

Response to TRAI Consultation Paper dated 29th August 2023

Review of terms and conditions of PMRTS & CMRTS Licenses

Response submitted by: Arya Omnitalk Radio Trunking Services Pvt Ltd Pune





- Q1. Whether there is a need to review the terms and conditions of PMRTS License and PMRTS Authorization under Unified License? Kindly provide adetailed response with justifications.
- A1. There is need to review the terms and conditions of the PMRTS License and PMRTS under Unified License *because DoT has not taken action on any of the TRAI recommendations relating to PMRTS which TRAI made on 20th July 2018 after extensive consultation with all concerned stakeholders.*

Meanwhile the PMRTS industry has been starved for spectrum and unlike Captive/CMRTS applicants, has also been refused any provisional /interim allocation of spectrum, even when the PMRTS Industry was willing to accept furnishing the same undertaking being given by Captive /CMRTS.

Also most fixed-line Service Providers have switched to providing SIP Trunks by and large, instead of the traditional E1/PRI trunks because of which PSTN connectivity part may require review.

- Q2. In case it is decided to review the terms and conditions of PMRTS Licenseand PMRTS Authorization under Unified License, in what manner should the following conditions be amended?
 - (a) Scope of the license
 - (b) Roll out obligation
 - (c) Technical conditions
 - (d) Network interconnection
 - (e) Security conditions
 - (f) Any other (please specify).





A2. Since these recommendations are more than 5 years old and fixed-line Service Providers have migrated from E1/PRI to SIP trunks, we shall require a 30 channel SIP trunk for a Digital System for every 2,700 subscribers.

We are suggesting that the PSTN connectivity criteria be changed from 10,000 to 2,700 subscribers both for initial allocation of a 30 channel SIP /E1/PRI trunks or additional 30 Channel SIP/E1/PRI trunks for each additional 2,700 subscribers.

The reason we are recommending 2,700 subscribers is based on anticipated reduction in subscriber loading per channel from 180 per digital channel based on present loading norm (12.5 KHz) to 90 subscribers per digital channel (12.5 KHz) after PSTN connectivity is implemented. (Post PSTN connectivity conversations will be longer because of which loading per channel would come down drastically.

We do not recommend any change in the Service Area definition, Scope of PMRTS Service, Roll Out Obligations, Technical conditions or Security Conditions.

For PMRTS Service providers Site Interconnectivity is far more important than PSTN Connectivity.

- Q3. Whether PMRTS providers should be permitted Internet connectivity withstatic IP addresses? Kindly provide a detailed response with justification.
- A3. Interconnection of sites within the same Service Area should be permitted for the following reasons: -
 - In a Metro Service Area (e.g. NCR) all the base station sites should be allowed to be interconnected to offer seamless coverage, given that most customers have their offices in the main city(Delhi) and factories/warehouses in the suburbs (Noida/Gurugram), requiring seamless coverage between main city and suburbs.
 - Even in a Service Area which spans a Telecom Circle , the same extended





coverage requirement exists for a main city and its suburbs e.g., Chennai and its suburbs of Sriperumbudur, Chengalpattu, Mahabalipuram and Kanchipuram etc.

In view of the above PMRTS providers require Internet Connectivity with static IP for: -

- Site to site networking
- Trunking system backhaul connectivity to Central Server
- For inter-suburb and intra-service area roaming voice calls.
- Q4. Whether there is a need to review the extant provisions relating to service area for PMRTS Authorization under Unified License? If yes, whether it would be appropriate to grant PMRTS Authorization for three different categories with service area as (a) National Area; (b) Telecom circle/ Metro Area; and (c) Secondary Switching Area (SSA)? Kindly provide a detailed response with justification.
- A4. There is need to review the extant provisions relating to authorization of PMRTS Service area under unified license for the following reasons:
 - a) Since subscriber loading criteria per channel is clearly defined, PMRTS operators need operational flexibility to relocate their sites in a given city to optimize RF coverage based on both site availability/cost scenarios from time to time as well as migration of customers from main city to suburbs.

Presently PMRTS operators have to seek approval of WPC for re-locating an existing site (completely or partially relocating, say 2 of the 5 allocated channels) or setting up a new site in the suburbs based on demand from both existing and new subscribers coming up in the suburbs.

Since 2014 DOT has not allocated any spectrum even on an interim basis (like





being given to CMRTS/Captive systems based on undertaking furnished by them), all permissions even for relocating a site had been held up citing reasons furnished under point 2.27 of the TRAI consultation paper)

Some PMRTS operators may like to simultaneously offer PMRTS in more than one city in a Telecom Circle (in case it is a State) based on demand from an anchor customer or an existing customer with operations extending to 2 cities or more. Just like in the case of an ISP, PMRTS operators may either like to start with just one city or more in the Telecom Circle/Metro Service Area. For this purpose, we recommend that the License/Authorization for PMRTS be granted for three different Categories namely Category `A', Category `B' and Category `C'.

- The Service Area for Category 'A' authorization shall be the National Area.
- The Service Area for Category 'B' authorization shall be the Telecom Circle/Metro area.
- The Service Area for Category 'C' authorization shall be the Secondary switching Area (SSA) / City.

We also recommend that the Royalty for spectrum, if assigned administratively, for the above three categories be fixed as follows:

1. <u>Category C</u> – The Royalty charge for spectrum fee finalized for SSA/City for each SSA. For better understanding the present royalty fee of Rs 48,000/-for 5 channels shall become the royalty charge for each SSA, after final recommendations of TRAI for Royalty payable.

Under Unified License, for more than four SSAs in a Telecom Circle, the Licensee shall be required to obtain PMRTS Category 'B' authorization for that Service Area.





- 2. <u>Category B</u> The Royalty charge for spectrum fee for the Category B authorization shall be 4 times the Category C fee for one SSA. This suggestion is based on the cumulative experience of demand assessment for PMRTS for a Telecom Circle if we look across all the PMRTS providers today the number of SSAs in each Telecom Circle (except Metro Service Area) is between 1-2 in the majority of Telecom Circles (the only exception being Gujarat which has PMRTS being provided in 5 SSAs). In Metro Service Areas the number of SSAs ranges from 3-4.
- 3. <u>Category A</u> For prospective PMRTS operators wanting to start National Operations, Category A authorization shall be applicable. We suggest Royalty charge for spectrum fee for the Category A authorization to be 10 times the fee applicable for Category C authorization.
- Q5. Whether there is a need to review the extant provisions relating to the authorized area for use of a particular frequency spectrum to PMRTS providers? If yes, in what manner should these provisions be amended? Kindly provide a detailed response with justification.
- A5. There is definitely a need to review the extant provisions of relating to authorized use of spectrum to PMRTS providers, which presently is confined to assignment at a city specific level.

In order to prevent delay, PMRTS providers should be given the flexibility to reuse the spectrum issued for a Service Area in the same Service area based on intimating WPC and pay location-wise Royalty and Spectrum charges for the same.

This will result in the PMRTS Industry being able to respond in a timely manner to all new business opportunities emerging in the Service Area already licensed as well as





continue optimizing coverage through site relocation/optimization and serve both existing and new customers better.

- Q6. Whether there is a need to review the mechanism of shifting the fixed station from one location to another location within the authorized area for use of a particular frequency spectrum? If yes, what should be the terms and conditions for such permission? Kindly provide a detailed response with justification.
- A6. With the new proposed definition of Licensed Categories A & B, the fee for extended coverage (as argued by DOT) is already paid by the PMRTS licensee, thus eliminating the need to seek any further approval from DOT.

In case of shifting the fixed station from one location to another within the SSA (Category C), DOT should not raise any objection as long as the shifting does not result in extending coverage *beyond the point of reuse of the spectrum*. (Our view is that any frequency which is location specific can't be reused up to 120 Kms from the location where spectrum was being used earlier, given both the transmit power of 100 W and an average transmit height above MSL of 200m+, with the exception of coastal area, for a typical PMRTS site).

- Q7. Whether there is a need to permit PMRTS providers to shift a few frequency carriers out of a pool of frequency carriers, assigned to an existing Fixed Station, to a new Fixed Station located within the authorized area for use of the pool of frequency carriers? If yes, in what manner the challenges arising out of such partial shifting of frequency carriers may be mitigated? Kindly provide a detailed response with justification.
- A7. Already explained as above in our answer to under Q6 above.





- Q8. Whether there is a need to review the requirement of obtaining Wireless Operating License (WOL) by PMRTS providers? Kindly provide a detailed response with justification.
- A8. The requirement to obtain renewal of WOL every year as mentioned in the frequency assignment, frequency allocation, or frequency earmarking letters already issued to PMRTS Providers under unified License for PMRTS authorization stand deleted. As it has been done in case of Access Service authorization vide DOT Circular No. L-14004/01/2012-NTG dated 02/11/2016. All PMRTS Operators are paying their Royalty Fee and WPC License FEE regularly every year in the m/o July and January on the basis of their nos of subscribers and nos of allocated frequency channels as on 30th June and 31st December. WPC may give notice if operators fail to pay WPC-Royalty and License fee on the due date.
- Q9. Whether there is a need to review the provisions related to sale, lease andrent of the radio terminals of PMRTS? Kindly provide a detailed response with justification.
- A9. On the issue of definition of AGR for PMRTS, it is requested that DoT, while including the sale proceeds of instruments in the definition of the "Adjusted Gross Revenue", should provide for the cost of the instruments to be reduced from the AGR i.e. including only the gross margin made on revenue from sale proceeds of instruments.

Lease and rental issue of radio terminals of PMRTS is now being permitted by DOT for those DPL holders who are supplying radios to customers availing services from PMRTS operator under the SARAL SANCHAR ONLINE Web portal.

"Rental" as an option is not available on Saral Sanchar Portal, therefore all rental radio terminals on portal at the beginning of the year are shown as radios received





back from the customer, again to be issued the same radio terminals back to I the same customers. Therefore, a separate rental option at Saral Sanchar portal needs to be provided.

We are also suggesting key changes in the DPL renewal format for which please refer Annexure 4.

- Q10. In case your response to the Q9 is in the affirmative, what kind of changeswill be required in PMRTS licenses and Dealer Possession License (DPL) and guidelines? Kindly provide a detailed response with justification.
- A10. This is now resolved under SARAL SANCHAR Scheme as explained above.
- Q11. Whether there is a need to review the provisions related to import of the radio terminals of PMRTS? Kindly provide a detailed response with justification.
- A11. DOT has instituted a procedure to seek an import license every time the PMRTS operator wishes to procure radios from overseas OEMs. (radios are not available in India) From DOT's point of view the purpose is twofold:
 - To collect license fee for use of spectrum by the PMRTS operator @ Rs 100/- per radio.
 - To monitor and ensure compliance with the Channel Loading norms defined by DOT, which have been stipulated by DOT @ 99 and 198 radios per channel for Analog & Digital PMRTS respectively.
 - To regulate and prevent unauthorized import of radios by a DPL holder we propose the following to mitigate challenges being faced by the PMRTS operators, while addressing concerns of DOT.

 For ensuring that the fee for usage of spectrum is paid, DOT should replace Arya Omnitalk Radio Trunking Services Private Limited Regd. Off.: Unit No - 202, 2nd Floor, Summer Court, Magarpatta City, Pune - 411013. India Tel : 91-020-67470100 Fax : 91-020-67470199 CIN No. : U64120PN2003PTC018154 Branch Off.: Unit No. 226B, DLF Prime Towers, Phase - I, Okhla Industrial Area, New Delhi - 110020, India. Tel : 91-011-61258800 www.aryaomnitalk.com



the present system of charging Rs 100/- per radio by a Spectrum Usage Charge (SUC) equal to 1% of AGR as also earlier recommended by TRAI. (TRAI recommendations for PMRTS dated 20th July 2018)

- While DOT can enforce the channel loading criteria already stipulated for the purpose of assigning spectrum, DOT should dispense with specifying any upper ceiling for import of radios (linked to channel loading criteria) for the following reasons:
 - We have explained to DOT on no. of occasions that many customers who buy radios and avail PMRTS, later stop using the service, but neither return nor sell back the radios as they reflect in their books of accounts under current assets.
 - DoT's present linkage of allowing radio import linked to channel loading is a big disincentive to target higher spectrum efficiency where possible. Moreover, higher the no. of radios imported by the PMRTS operator, higher would be the AGR and the 1% SUC proposed shall result in additional revenue for the exchequer as well.
 - In many cases, customers lose radios or radios are rendered beyond economic repairs or get subjected to attrition through wear and tear or declared unserviceable because of OEM declaring them as EOL
- In order to prevent unauthorized import of radios, DOT may allow only Licensed PMRTS operators for import of radios under OGL
- Q12. Whether there is a need to review the provisions related to replacement of unserviceable network elements of PMRTS? Kindly provide a detailed response with justification.
- A12. Since none of the network elements of PMRTS are available in India DoT should





process requests for replacing unserviceable network elements of PMRTS on an expeditious, automatic approval basis.

- Q13. Whether there is need to review the recommendation No 4.5 (mentioned below) of the TRAI's Recommendations on 'Method of allocation of spectrum for Public Mobile Radio Trunking Service (PMRTS) including auction, as a transparent mechanism' dated 20.07.2018, which are underconsideration of DoT?
 - "4.5 The Authority recommends that-
 - (a) Carrier size for assignment to PMRTS licensee (both for analog or digital) shall be
 6.25 KHz and multiples thereof.
 - (b) Carriers (frequency pairs) of 25 KHz already assigned to the serviceproviders should be allowed to be retained by the service providers.
 - (c) Additional assignment of carriers for the existing analogue system shall continue @ carrier size of 25 KHz (counted as 4 carriers of 6.25 KHzeach).
 - (d) Assignment in new cities/ service areas shall be made for digitalsystems only.
 - (e) Initially for each city, twelve carriers (frequency pairs) of carrier size 6.25 KHz in metro licensed service area and eight carriers (frequency pairs) in nonmetro license service area shall be assigned for PMRTS (Digital system) depending on the availability."

Kindly provide a detailed response with justification.

A13. PMRTS industry categorically endorses the above recommendations and urges TRAI and DOT to ensure their urgent and immediate implementation to help the industry to migrate from Analog to the long-awaited Digital Infrastructure.

Since analog infrastructure equipment has long been unavailable, we recommend that all new or additional assignment of carriers for the existing analogue system with a Carrier width of 25 KHz shall no longer be required. A 25 KHz Carrier being used by present analogue system can be counted as 4 carriers of 6.25 KHz each for the purpose of collecting royalty for spectrum usage from PMRTS operators.





- Q14. Whether there is a need to mandate PMRTS providers to migrate to spectrally efficient digital technologies in a time-bound manner? If yes, what should be the time frame for mandatory migration to spectrally efficient digital technologies? Kindly provide a detailed response with justification.
- A14. The 5-year delay in DOT accepting & announcing the final recommendations for the PMRTS industry has adversely affected the PMRTS industry in many ways:
 - The PMRTS industry has been deprived of spectrum since Aug'2014 affecting both subscriber growth in existing service areas and preventing the industry to venture into new service areas.
 - Lack on new spectrum has resulted in the PMRTS industry not being able to migrate to Digital and has been forced to continue making investments in analog infrastructure and radios. As a result, the industry has built an analog radio population which is more than 70% of the total. Based on our assessment the average residual life of the radios is between 4-5 years before the end of which customer shall not accept making a new investment in the digital radio.
 - The PMRTS operators also have an additional challenge of making new investments in Digital Infrastructure to migrate approx. 350-400 25KHz channels from Analog to Digital requiring a capex of Rs 70-80 Crs. Given the present state of the industry it will take at least 4-5 years to be able to afford making this investment.
 - Besides, the long life span of radios will also result in a huge resistance from the end customers for being forced to replace their analog radios with Digital despite 3-5 years life still remaining for Analog radios.





- Q15. In case your response to Q14 is negative, what measures should be takento nudge and encourage PMRTS providers to migrate to spectrally efficient digital technologies? Kindly provide a detailed response with justification.
- A15. Immediate measure required by DOT is to put in place a frequency allocation plan for Digital PMRTS for 6.25 KHz, 12.5 KHz and 25 KHz channel spacing with required threshold adjacent channel spacing (depending on Digital technology deployed) and urgent assignment of above spectrum to PMRTS operators even if it has to be on an interim/provisional basis, without waiting either for new TRAI recommendations (based on conclusion of this Consultation Paper) or the New Telecom Bill. As it is, DOT is assigning spectrum on a provisional/ Interim basis to CMRTS (Captive Mobile Radio Trunking Service) and Captive users based on an undertaking that the recipient company shall pay the final price of spectrum as determined by DOT.

We strongly urge TRAI to restore a level playing field for the PMRTS industry which for the last 9 years has been distorted unjustifiably in favor of PMRTS alternatives and substitutes i.e., CMRTS and Captive Radio users

- Q16. Whether it is possible to deliver the PMRTS/ CMRTS, which are mission- critical in nature, using 4G/ 5G Network Slicing or any other technology? If yes, in what manner should the delivery of PMRTS/ CMRTS using 4G/ 5G network slicing be enabled in the license? What should be safeguards ensure that the quality-of-service for cellular networks is not adversely impacted? Kindly provide a detailed response with justification.
- A16. Ever since the launch of 5G providing various services through network slicing had been hotly debated topic. While delivery of PMRTS/ CMRTS using 5G is technically feasible it is not viable to consider going for the same for the following reasons:





- There are no PMRTS terminals either available today or in the roadmap of existing radio vendors which will be compatible with the 5G network. In our business standard 5G terminals will not work since the user requires ruggedized, terminals with enhanced audio to be heard even in high noise operating environment.
- Also the large legacy installation of PMRTS Infrastructure equipment and radio population will not be compatible with the new 5G terminals, whenever they are launched.
- If we consider the price of 5G spectrum paid by TSPs, and the millions of subscribers they count on for absorbing the amount paid in the spectrum auction, the PMRTS operator shall be both dependent on the TSP's rollout plan (which may be completely different from what is required by the PMRTS operator) as well as the likely minimum tariff imposed by TSP, given the price paid in spectrum auction, the opportunity cost of the network slice a TSP may have to reserve for a customer with just tens of thousands of subscribers and the low paying capacity of the PMRTS Operator given its revenue potential.
- The issue of interoperability with legacy infrastructure and terminals will be another challenge as also the customer having to migrate from legacy to 5G dedicated terminals for a considerable new investment.
- What may evolve for the PMRTS Industry in the next decade is a 4G/5G based Walky Talky which may through an IoT SIM use the 5G network for non-mission critical applications of some user segments (4G /5G PoC or also known as Broad band PTT over Cellular). However the legacy system is likely to run for at least another 10 years, if not more.
- Q17. Whether there is a need to review the terms and conditions of PMRTS Authorization under Unified License (VNO)? Kindly provide a detailed response with justification.





- A17. Since the DOT guidelines issued for VNOs in 2016 not a single VNO has come forward to offer PMRTS, to the extent we are recommending review of the terms and conditions of PMRTS authorization under UL, the same may be made applicable for VNO under UL regime.
- Q18. In case it is decided to review the terms and conditions of PMRTS authorization under Unified License (VNO), in what manner should the following existing provisions be amended?
 - 2.26.1 Service area
 - 2.26.2 Scope of the license
 - 2.26.3 Network interconnection
 - **<u>2.26.4</u>** Any other (Please Specify).

Kindly provide a detailed response with justification.

A18. As explained in our answers to Q1-Q17 above

- Q19. Whether there is any other issue relevant for review of terms and conditions of the PMRTS License, PMRTS Authorization under Unified License, and PMRTS authorization under Unified License (VNO)? Kindlyprovide a detailed response with justifications.
- A19. As explained in our answers to Qs 1-18 above.
- Q20. Whether there is a need to review the terms and conditions of CMRTSlicense? Kindly provide a detailed response with justifications.
- A20. There is a need to review the terms and conditions of a CMRTS license because of the following:





- a) The authority should consider an application for CMRTS license only if the requirement is strictly captive to the applicant e.g., for the sole and dedicated use of the applicant only. We have seen many cases of CMRTS license being issued to an applicant who is providing a Radio Trunking Service on a chargeable basis to different agencies not falling in the ownership of the applicant.
 - i. Some examples are Airports Authority of India taking up a CMRTS license and then charging all Airlines for usage of the same; a private operator (HCL Ltd.,) taking a Delhi wide CMRTS license and charging various user departments of the Delhi administration for usage of the same.
 - ii. There is no difference in either the use case or the end use of Radio Trunking Service between CMRTS and PMRTS in the examples provided above. Hence for the use cases described above only PMRTS license should be made available
- b) It is well established that spectrum efficiency achieved by PMRTS operators is far higher than captive usage - typically channel loading achieved by PMRTS is 3 to 4 times that of a captive system. The spectrum efficiency for PMRTS is much higher because of increased no. of channels per site (leading to disproportionate increase in traffic handling capacity) as well as diverse usage-based customers (intensive usage at various points of time during the 24-hour day) and balanced distribution of simultaneous conversations (talk groups) for a given no. of radios per customer

In order to encourage efficient use of spectrum and given the limited spectrum available the authorities must discourage applicants for CMRTS in case their coverage requirements can be met by an existing PMRTS operator *Please refer chart in Annexure 1 for improvement in loading per channel based on no of channels deployed per site.*





- i. Quite the opposite has in-fact happened since July-2014. While the PMRTS industry has been completely deprived of any new spectrum allocation, both Captive and CMRTS applicants have been assigned spectrum on a provisional basis after obtaining an undertaking from the applicant, thus distorting the level playing field between PMRTS and CMRTS / Captive
- ii. Our view is that the License and Spectrum Fee for both CMRTS and Captive should be disproportionately higher than PMRTS for the above reasons. Also since the end use and purpose of both PMRTS and CMRTS is the same, assignment of spectrum, even on a provisional basis, should continue either for both PMRTS & Captive/CMRTS or no one.
- c) CMRTS/ Captive also need to necessarily have to deploy only Digital Technology, like with PMRTS as well as be governed by the same loading criteria as stipulated for PMRTS, in the interest of keeping a level playing field. However since Captive/CMRTS systems will never be able to achieve the same Spectrum efficiency, the Spectrum Fees & Royalty for Captive /CMRTS should be disproportionately higher, especially since PMRTS is also paying a License Fee which is 8% of AGR.
- Q21. What should be the eligibility conditions for obtaining CMRTS license?Further, what should be the application processing fee for CMRTS license? Kindly provide a detailed response with justification.
- A21. Unless the applicant requires a specific technology or customized RF coverage (tunnels, under ground stations etc., no Captive / CMRTS license should be issued if there is a PMRTS operator serving the geographical area in which the applicant is requesting for Captive/ CMRTS license. Also as discussed in the earlier section Captive/ CMRTS license should not be given unless the usage is strictly captive (Please ref. point 1 under answer to question no.20)





We have no comments on the application processing fee.

- Q22. In case it is decided to review the terms and conditions of CMRTS license, in what manner should the following terms and conditions be amended?
- A22. a) Service area:

<u>Ans:</u> Should be co-terminus with the desired coverage area for Captive/ CMRTS usage. Given that the requirement is for Captive use, no Telecom Circle Wide License should be given to Captive/CMRTS.

b) Period of validity:

<u>Ans:</u> As desired by applicant but not exceeding 20 years, beyond which applicant needs to apply for an extension

c) Scope of the license:

<u>Ans:</u> Strictly captive usage in an area where no PMRTS operator is providing service or there are special coverage requirements as mentioned in answer to question 20 above of TRAI Consultation paper.

d) Technical conditions;

<u>Ans</u>: Same as PMRTS and should not cause any interference to any other networks in the same coverage area

e) Channel assignment and loading:

<u>Ans:</u> Channel loading criteria shall be same as PMRTS. However, channel assignment should be made after satisfying PMRTS industry requirements for spectrum.

f) Operating conditions:

Ans: Like PMRTS, Captive/CMRTS applicant should require a License for import of radio terminals. Also only Digital Terminals should be allowed for import. The present conditions of Fixed terminals not exceeding 10% of total should continue.





g) Conditions relating to suspension, revocation or termination of license:

<u>Ans:</u> Same as PMRTS but may be appropriately modified in the context of Captive/ CMRTS usage. Additionally, any violation evidenced w.r.t either Captive Usage or commercial exploitation by way of charging any users should lead to suspension and revocation of license

h) Any other (please specify):

<u>Ans:</u> Roll out obligation should be the same as PMRTS and after imposing a penalty as applicable for delayed roll out, the license should be revoked if roll out is still not implemented

In the recent past DoT vide gazette notification dated 18th October 2018 opened up a License Free band from 446.0 MHz to 446.2 MHz for Personal Mobile Radios.

These mobile radios were to conform to a maximum transmit power (effective radiated power) not exceeding 500 milliwatts. An additional condition imposed was that these personal mobile radios were not to be used with any base station or repeater. However there is a rampant misuse of this provision, hurting both the Captive usage as well as PMRTS.

Annexure 3 provides information of how these Personal Mobile Radios are being sold with an effective radiated power of even 5 Watts and how some Companies are even selling base stations and repeaters in the 446.0 to 446.2 MHz band.

In view of the failure of the Authorities to control rampant violations, on behalf of the PMRTS Industry, we urge TRAI to recommend withdrawing this gazette notification to the Authorities, especially since it is distorting the level playing field for PMRTS.





- Q23. Whether there is a need to mandate CMRTS licensees to migrate to spectrally efficient digital technologies in a time-bound manner? If yes, what should be the time frame for mandatory migration to spectrally efficient digital technologies? Kindly provide a detailed response with justification.
- A23. In the interest of preserving the level playing field between PMRTS and CMRTS, especially with the end use (user application) and the end customer being same, the mandate to migrate to the spectrally efficient digital technologies should be enforced with the same time frame.

We recommend that the mandate for migrating all Analog systems to Digital should be 5 years after assignment of spectrum to PMRTS & 2 years from the date guidelines are finalized by DOT for Captive/CMRTS (since spectrum assignment as required by CMRTS/Captive applicants has continued from 2014 till date to Captive/CMRTS while being denied to PMRTS).

Q24. In case your response to Q23 is in the negative, what provisions should be made to nudge and encourage CMRTS licensees to spectrally efficient digital technologies? Kindly provide a detailed response with justification.

A24. We have provided our recommendations in an affirmative response to Q23

- Q25. Whether there is any other issue relevant for review of terms and conditions of the CMRTS License? Kindly provide a detailed response with justifications.
- A25. Not applicable





- Q26. Is there a need to review the license fee prescribed for PMRTS/CMRTS? Please justify your answer. If yes, please suggest detailed methodology for arriving at the license fees for PMRTS/CMRTS with justification.
- A26. Given the size of the industry and the earlier consultation by TRAI on PMRTS we don't see any need to review the license fee prescribed for PMRTS. However, we would like to suggest reviewing the license fee prescribed for CMRTS for ensuring a level playing field.

Minimum license fee shall be as prescribed today for a specific service area not exceeding 30 Kms where coverage is desired. The only exceptions shall be Police, Fire, Defense and Government security.

- Q27. Whether there is a need to review the allocation of spectrum for PMRTS? If yes, what changes should be made in the allocation of spectrum for PMRTS in the National Frequency Allocation Plan? Kindly provide a detailed response with justifications.
- A27. There is no need to review the allocation of spectrum for PMRTS given the latest NFAP-2022 plan where PMRTS is allocated 811-814 MHz & 814-819 MHz on a dedicated basis as these are the very bands where PMRTS is has been presently assigned spectrum for Digital & Analog systems respectively. In view of the spectrum allocation applications pending with DOT and considering THE spectrum presently assigned by W.P.C together with estimated demand forecasted for the next 10 years, the PMRTS industry shall need a minimum of 8 MHz of spectrum allocation in the 800 MHZ band (with all new assignments being in Digital and migration from Analog to Digital in next 5 years). This was recognized by TRAI even in their recommendations made in 2018.





The PMRTS industry shall migrate from Analog to Digital systems through a new channeling plan within the 811-814 MHz and 814-819 MHz bands (and their corresponding bands 45 MHZ apart) only as detailed in Annexure -1. The PMRTS industry is confident of completing this migration within 5 years of the new channeling plan and spectrum assignment from the same being made available by WPC.

- Q28. What should be the method of assignment of spectrum for PMRTS?
 - (a) Auction; or
 - (b) Administrative

In the case of auction, what should be the methodology for auction of spectrum? Kindly provide a detailed justification.

- Q29. In case it is decided to auction the frequency spectrum allocated toPMRTS, -
 - (a) What should be the eligibility conditions for participating in auction?
 - (b) Whether the entire available spectrum in the frequency bands identified for PMRTS in National Frequency Allocation Plan (NFAP) should be put to auction?
 - (c) What should be the block size of spectrum, and minimum bid quantity in terms of number of blocks?
 - (d) What should be the spectrum cap for each authorized area for useof spectrum?
 - (e) What should be the roll-out obligations associated with the assignment of spectrum? What should be the penalties upon non-conforming the roll-out obligations?
 - (f) What should be the period of assignment of spectrum?
 - (g) What should be the minimum period beyond which the spectrum acquired through auction may be permitted to be surrendered?
 - (h) What should be the process and associated terms and conditionsfor permitting surrender of spectrum through auction?

Kindly provide a detailed response with justification in respect of eachof the above.





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A29. Unlike cellular access services, PMRTS is a relatively small industry and hence methodology of spectrum allocation can be different.

Assignment of spectrum through auction can only be considered if demand for spectrum is exceeding supply and there is a possibility of having to move to new frequency band to meet spectrum requirements in future.

In the present (continuing since 1997) and NFAP-2022 mandated Analog PMRTS band of 814-819 MHz/859-864 MHz, there are 200 channels available with 25 KHz channel spacing. In this band of 5 MHz, if migration to spectrally efficient digital technologies is mandated through construction of an appropriate channeling plan as detailed in Annexure-2, it would result in 800 channels/800 Voice paths with a channel spacing of 6.25 KHz/12.5 KHz respectively , depending upon the Digital technology chosen. *This shows that there is no impending scarcity of spectrum for PMRTS.*

Even considering 25 KHz Channel spacing as it exists today in the 814-819 MHz band , there are more than 130 channels (65% of all available channels) available for assignment in the highest populated PMRTS market like Delhi/NCR , evidencing abundant availability without any doubt.

In the cellular industry, millions of subscribers with high usage of voice, video and data results in constant demand for additional spectrum. On the contrary, PMRTS is a niche service used essentially for voice only by limited institutional clients in certain geographical pocket. With a total PMRTS subscriber base of less than 65,000 radio users nationally with a revenue of less than Rs 50 Crs., the Royalty and Spectrum Fee charges paid by the PMRTS providers is less than Rs.1.2 Crs today.





Therefore, there is no comparison possible between the PMRTS industry and a Wireless Access Service under the licensing framework of CMTS, UASL and UL in terms of either business potential, subscriber base, or spectrum requirement or revenues possible.

In view of the foregoing, it appears that there are adequate channels of spectrum available for assignment to PMRTS licensees. The supply is far exceeding the demand of spectrum and due to niche type of service the likely growth trajectory cannot be expected to go beyond 3-5 times the present size of the industry in the foreseeable future.

The PMRTS industry is of the view that auction of spectrum for such a small industry with a revenue potential of less than 0.1% of the cellular industry revenue for 2022-23, along with abundant availability of spectrum, does not appear to be a worthwhile consideration at all.

Also if we look at the financials of a PMRTS industry operator, based on the present license fee, spectrum fee and royalty the profit will not exceed 15% of the revenues. The PMRTS industry , vide its response to the TRAI Consultation *paper is already recommending increase of spectrum royalty by 4 times the present tariff.* Since ARPU cannot be significantly increased beyond present levels, the above increase in spectrum royalty recommended is likely to drive the profitability down only.

Thus given the total PMRTS Industry revenue of less than Rs 50 Crs, the total room available to the entire PMRTS Industry today is far less than Rs 2.5 Crs (assuming that the PMRTS operator will be allowed to make at least a PBT equal to 10% of revenues).





Moreover a study of the spectrum assignment methodologies adopted by countries other than India also reveals that in most countries the assignment is done on an administrative basis and at tariffs (License Fee and Spectrum Royalty & Fee combined) far lower than those being made applicable in India.

Thus, from whichever angle we examine there is no merit in assignment of spectrum to PMRTS industry by auction.

Even if auction is chosen as the method of allocation of spectrum for PMRTS with a reserve price determined in accordance with the nature of service, the spectrum auction is very unlikely to be successful as in all likelihood the total bidding pool available with the PMRTS industry shall be less than Rs 2.5 Crs for the entire spectrum in the band 811-819 MHz pan India.

Therefore, auction of spectrum does not appear to be the appropriate method for assignment to the PMRTS Industry.

In conclusion, the PMRTS industry recommends that taking into consideration factors viz. PMRTS total earning potential; low spectrum demand and high spectrum availability and spectrum assignment practices prevalent in majority of countries outside India, the assignment of spectrum for PMRTS should be made administratively on the basis of demand in the foreseeable future

- Q30. In case auction methodology is to be followed for assignment of spectrum:
 - a) Whether the value of frequencies assigned to the PMRTS providers be derived by relating it to the value or auction determined prices of other IMT/5G bands





by using technical efficiency factor? If yes, with which spectrum band, should these frequencies be related and what efficiency factor or formula should be used? Please justify your suggestions.

- b) Given the city wise allocation and the potential difference in financial/market parameters of PMRTS with respect to access services, should the valuation of frequency spectrum for these services derivedon the basis of IMT/5G prices be adjusted in order to account for the said distinctions? Please explain the adjustment methodology in detail.
- c) Apart from the above approaches, which other valuation approaches can be adopted for valuation of spectrum assigned to PMRTS providers? Kindly support your suggestions with detailed methodologies, assumptions, and other relevant factors.
- d) Is it appropriate to take the reserve price as 70% of the valuation of spectrum? If not, what should be the ratio adopted between the reserve price for the auction and valuation of spectrum and why?
- e) What should be the payment terms and conditions relating to upfront payment, moratorium period, number of installments to recover deferred payments, rate of discount etc.?

Please support your answer with detailed justification.

- A30. Our response is provided in our answer to Q29 of the TRAI Consultation paper
- Q31. Whether there are any other issues/ suggestions relevant to subject ? If yes, the same may kindly be furnished with proper justification.





A31. In conclusion, we would like to state the following:

- The PMRTS Industry has been starved of spectrum since July 2014 ! No spectrum has been issued , even on a provisional or interim basis , to the Industry as in the case of Captive /CMRTS, despite the Industry's willingness to furnish the same undertaking as given by the Captive/CMRTS applicant.
- It has been established beyond any doubt that the both the use case (user application) as well as the end customer are the same for PMRTS and Captive /CMRTS. An oil refinery like BPCL has an option to set up its own network (Captive/CMRTS or subscribe to PMRTS). Both business models can be seen in operation on the ground and both approaches are equally commercial in nature-BPCL wants to improve communication efficiency and effectiveness to make their operations more productive and profitable. It is also evident that PMRTS is far more spectrum efficient as compared to Captive/CMRTS and deserves to be allowed to flourish, given the spirit of making the best use of Spectrum, the country's national resource.
- The total size of the PMRTS industry is less than Rs 50 Crs in revenue, dwarfed by long delays and indecision over how to assign spectrum to the Industry. The industry has its own unique niche of mission critical, short bursts of one-to-many voice communications, which is unique and time and again , the PMRTS Service has come to the rescue of both Government and private agencies for disaster relief in the wake of man-made and natural disasters like cyclones, floods, maintenance shut downs of a refinery, handling emergency communications or simply mission critical communication when alternate means of communication are failing or not available. It is because of this unique landscape or canvas that countries outside of India have let this industry flourish and blossom into its rightful size.
- The total spectrum required to be reserved for the industry is a mere 8 MHz in the





800 band, owing to operation in dense urban areas. Whatever methodology, whether administrative or is eventually chosen by the Authorities , it cannot and should not threaten the viability of the Industry.

In view of TRAI recommendations for PPDR made in 2018, and the role that private parties can play in setting networks we feel that *both PPDR and PMRTS offer MCPTT as their unique value proposition.* In the last 5 years we have not witnessed any interest in either any private operator interested in setting up a PPDR network, nor any Government agency coming forward to do so. Yet an inordinately large number of applications are pending with WPC for Spectrum assignment for PMRTS.

It may thus a good idea to presently keep 811-819 MHz for PMRTS and 806-811 MHz as well as 819 to 822 MHz for PPDR/ CMRTS. Based on the technology options available from PPDR vendors in the 800MHz band, there is no requirement of contiguous spectrum for PPDR. In future, for 5G or higher technologies, NFAP 2022 has already reserved 50 MHz in the 4940-4990 MHz band.

We would also suggest that a PMRTS Operator be encouraged to run a PPDR Service in the assigned PPDR band, especially if a large part of the state geography is being targeted. In such a case, a PMRTS Operator should be allowed to run both PPDR as well as PMRTS from the same Equipment Infrastructure.

Apart from the other arguments furnished in our response to the TRAI Consultation paper above, we would like to comment on the "auction being the best methodology for allocation of all natural resources, including Spectrum" viewpoint.

If for example an entirely new township was being built from scratch in an otherwise uninhabited area, would it be possible to auction all the land at the highest possible commercial real estate prices? Our humble submission is that





many large tracts of land may have to allocated administratively for free or at tariffs way lower for end use such as parks, schools, hospitals, police stations, or other unique amenities with a considerably lower earning potential than prime real estate. PMRTS Industry is not prime real estate in the same context when compared with Access Services such as Cellular, where auction is the best methodology given its earning potential, billion plus subscribers over which the auctioned cost for Spectrum can be apportioned so as to form a small fraction/ miniscule percentage of their ARPU.

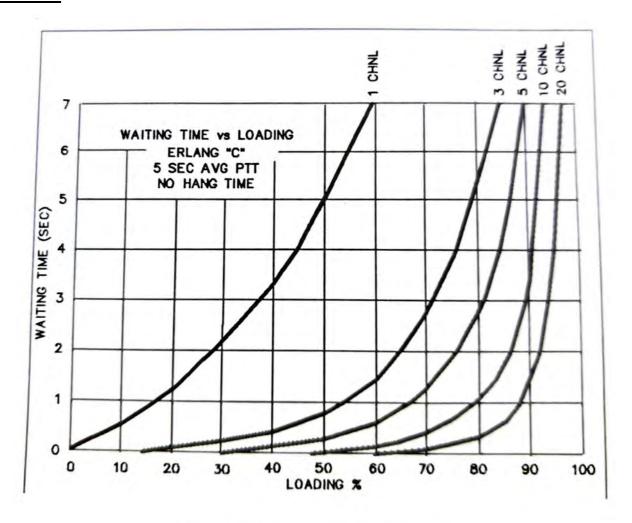
We urge the Authorities to take emergent steps to expeditiously decide and implement the spectrum allocation methodology in order to breathe some life into the long neglected PMRTS Industry and help it attain its rightful position in the canvas of Value Added Telecom Service !





Annexure 1

Improvement in Trunking Efficiency with increase in no. of Channels



ACCESS DELAY TIMES FIGURE 2-3

It is clear that CMRTS, typically a 10 channel system will have a far lower spectrum efficiency (no of radios per channel) as compared to a PMRTS system with a 20 channel system



Annexure 2

Proposed Channeling Plan for PMRTS migration to Digital

(For Public Mobile Radio Trunking Service (PMRTS) providers operating in

814 MHz- 819 MHz / 859 MHz- 864 MHz band)

Contents

1	INT	ENIT
1.		ENT

2. GENERAL

- 3. CHANNELING PLAN
- 4. REQUIREMENTS FOR USING SPECTRUM
- 5. PRINCIPLES OF ASSIGNMENT
- 6. PROPOSED IMPLEMENTATION PLAN
- 7. NEW ALLOCATION METHOD PROPOSED
- 8. APPENDIX-A-TABLE OF CURRENT 25 KHz CHANNELING PLAN NO.6 AS PER NFAP
- 9. APPENDIX –B CHANNELING PLAN 12.5 KHZ AND 6.25 KHZ

AT A GLANCE

- 10. APPENDIX C CHANNEL BANDWIDTH ARRANGEMENTS (25 KHZ, 12.5 KHZ & 6.25 KHZ)
- 11. APPENDIX- D CHANNELING ALLOTMENT PLAN(12.5 KHZ & 6.25 KHZ)

1. INTENT

As per National Telecom Policy usage of spectrally efficient technologies should be encouraged so as to create a win-win situation for all stake holders viz. Regulator/Licensor, Operators and the end users. The current PMRTS Operators are offering the PMRT service largely using analog technology (barring few Operators who are migrating to Digital) and for them the assignment of spectrum is being done as per Channeling plan 6 (25 KHz bandwidth) of the NFAP which is reproduced in Appendix –A. As the PMRTS operators migrate from analog to digital technology there is a need to create a channeling plan for narrow bandwidth (12.5 KHz) and very narrow bandwidth (6.25 KHz) technologies, since there are different types of Digital technologies available requiring different channel bandwidth and hence different allocation of spectrum. As the regulation is technology neutral in India as in most of countries around the world, so the choice of technology is left to the Operator or market forces to determine.

Digital Trunked Radio Systems (DTRS) are two-way mobile radio systems consisting of mobile terminals, multiple-channel base stations and control stations. Trunking is the



pooling of radio channels of a DTRS, whereby users have automatic access to free channels of the system. DTR Systems may also have roaming capabilities and permit Direct Mode Operation (DMO) between mobile terminals.

DTRS applications include transmission of voice, data, image, paging, short messaging, facsimile and PSTN interconnection (if regulator permits) for host of user groups such as construction, fire & safety Departments of public utilities, transport companies, service and maintenance companies, airline services and government agencies. The intended users of the said band (806-824 MHz & 851-869 MHz) may be Public Operators of DTRS networks as well as private organizations/ corporation or government agencies. The operation of DTRS systems may be area based or of nation-wide roaming capabilities.

2. GENERAL

The PMRTS/CMRTS licenses in India are technology neutral as in most countries of the world. There are many technologies available in the market for Digital PMRTS/CMRTS and prominent amongst them are:-

- 12.5 KHz, 2-slot TDMA technology like DMR/ MotoTrbo, APCO phase –II
- 6.25 KHz FDMA technology like dPMR/NXDN
- 25 KHZ 4-slot TDMA technology like TETRA

All these technologies are spectrally efficient and can either provide 6.25 KHz or 6.25 KHz equivalence considering number of voice paths possible in 12.5 KHz 2-slot TDMA being two or 25 KHz 4-slot TDMA having four voice paths.

The following is an overview of some DTRS technologies in the industry:

2.1 **TETRA**

TETRA (Terrestrial Trunked Radio) is a standard developed by the European Telecommunications Standards Institute (ETSI). The purpose of the TETRA standard is to meet the needs of various Professional Mobile Radio (PMR) user organizations. The first version of TETRA standard was published in 1995.

TETRA is based on a 4-slot TDMA (Time Division Multiple Access) with 25 KHz physical radio channel bandwidth. TETRA standard supports Trunking mode and IP-based TETRA solutions are available.

TETRA 2 is the enhancement of the TETRA standard which provides improvement on data speed and voice codec. TETRA 2 has introduced TETRA Enhanced Data Service (TEDS) which offers higher data rates utilizing multiple bandwidths and modulation schemes. The TEDS offers 4 different RF channel bandwidths of 25 KHz, 50 KHz, 100 KHz and 150 KHz.

2.2 APCO-P25

APCO-P25 (Association of Public-Safety Communications Officials – Project 25) is a common standard for Digital Trunked Radio Systems used by public safety agencies in North America to enable them to communicate with other agencies and mutual aid



response teams in emergencies.

APCO-P25 is based on FDMA (Frequency Division Multiple Access) capable of operating in 12.5 kHz and/or 25 kHz physical radio channel bandwidths. This standard allows backward compatibility with analogue systems and supports both trunked and conventional operation models. IP based APCO-P25 solutions are also available.

2.3 APCO-P25 Phase 2

The APCO-P25 standard (also known as APCO-P25 Phase 1) is further improved on spectrum efficiency with the development of APCO-P25 Phase 2 using 2-slot TDMA scheme.

2.4 **NXDN**

NXDN is a digital air interface protocol for mobile communication. It was developed jointly by ICOM Incorporated and Kenwood Corporation, Japan. This standard is based on FDMA (Frequency Division Multiple Access) and defines both trunked and conventional modes of operation. There are currently over 30 companies who are part of the NXDN forum; please visit www.nxdn-forum.com.

NXDN is a digital radio communications protocol using 4-Level FSK (4LFSK) modulation capable of fitting into both 12.5 kHz and 6.25 kHz physical radio channel bandwidths (9600 bps and 4800 bps respectively).

NXDN has been designed keeping the current Analog users in mind so that current investments in the analog infrastructure and terminals can be protected. NXDN has backward compatibility with the Analog Trunked Radio Systems (LTR), allows graceful migration from Analog to Digital and protects investments in RF sub-systems and power amplifiers and offers Dual/Mixed mode capability that allows both Digital and analog radio terminals to be operated together on the same infrastructure.

DPMR is a 6.25 KHz FDMA standard like NXDN developed by ETSI.

2.5 DMR

DMR (Digital Mobile Radio) is a standard developed by the European Telecommunications Standards Institute (ETSI) under its Electromagnetic compatibility and Radio spectrum Matters (ERM). The standard (ETSI TS 102 361) is based on a two-slot TDMA protocol. DMR applies TDMA method of spectral efficiency where 12.5 kHz channel will be divided into two equivalent time slots. The DMR design is capable to support trunked radio networks range from 12.5 kHz physical radio channel to wide area systems incorporating multiple physical radio channels extended over many radio sites. It provides a migration path from analogue to digital with its ability to operate in both analogue and digital modes. MotoTrbo is a 12.5 KHz 2 slot TDMA technology from Motorola that is a variant of DMR.

3. CHANNELING PLAN

The Mobile Trunked Radio Operators Association (MTROA) recommends that in order to



ensure most efficient use of the scarce spectrum resource, use of spectrally efficient technologies must be encouraged. WPC needs to build a separate channeling plan for 6.25 KHz FDMA technology besides keeping flexibility to also allocate spectrum with a 12.5 KHz channel spacing (for 2 slot TDMA)and a 25 KHz channel spacing (for four slot TDMA). The allocation can be made based on the Trunked Radio Technology chosen by the PMRTS Operator.

This document considers the band currently being used by analog PMRTS operators i.e. 814 MHz -819 MHz/ 869 MHz -864 MHz This band has 200 Channels of 25 KHz which are being allocated as per channeling plan 6 of NFAP placed at Appendix –A. The same band is proposed to be split into 400 channels of 12.5 KHz bandwidth and 800 channels of 6.25 KHz bandwidth as per Appendix- B.

Although the standard channel spacing is 12.5 KHz, it provides flexibility to operate two or more contiguous channels of 12.5 KHz. Operators may also utilize smaller channel bandwidth of 6.25

KHz channel spacing. WPC should assign a single channel based on channel spacing of 6.25 KHz or 12.5 KHz or combination of multiple channels of 12.5 KHz channel spacing depending on the technology to be deployed by the operator or user. The channeling plan for 6.25 KHz and 12.5 KHz is shown in Appendix B and the general channeling arrangement for 25 KHz, 12.5 KHz and 6.25 KHz is shown in Appendix C.

Channels may be allotted according to the channel allotment plan in Appendix D.

The channel allotment plan is designed to minimize inter-modulation and frequency interference problems by assigning co-sited channels that are 250 KHz apart. The frequency blocks A/A'& B/B' each containing 200 channels of 12.5 kHz, are divided into ten (10) sub-blocks (i.e. A01-A10 and B01-B10,) respectively.

Co-location assignments will be by sub-blocks (or part thereof) of up to a maximum of twenty (20) channels within the same sub-block per DTRS base/repeater station. The number of channels/sub-blocks assigned should be based on the service requirement of the Operator and to be determined by the WPC.

4. REQUIREMENTS FOR USING SPECTRUM

National Telecom Policy – 2012 recognizes that the evolution from analog to digital technology has facilitated the conversion of voice, data and video to the digital form. Increasingly, these are now being rendered through single networks bringing about a convergence in networks, services and also devices. Hence, it is now imperative to move towards convergence between various services, networks, platforms, technologies and overcome the existing segregation of licensing, registration and regulatory mechanisms in these areas to enhance affordability, increase access, delivery of multiple services and reduce cost. Under the Indian Telephone & Telegraphs Act 1885 & its amendments thereof, PMRTS providers were previously classified under the PMRTS license category. DOT now requires companies to migrate to the Unified License category for new PMRTS Licenses.



The minimum key characteristics of the equipment to be deployed shall be governed by the minimum specifications viz.

Max RF power output

- Base station up to 100 Watts
- Vehicle Mobile up to 30Watts
- Hand-held up to 03 Watts

On a case to case basis, higher power may be permitted if acceptable technical justification is provided;

Adjacent channel spacing 800 MHz band: 25 KHz (11KOF3E) Duplex Spacing 800 MHz band: (TX-RX Spacing) 45 MHz

Capacity enhancing techniques are continually being developed. This allows for the adoption of such techniques for more efficient use of spectrum, without reducing quality of service. Good cell-planning practice and frequency reuse should be adopted to maximize spectrum usage.

Channel loading of DTRS should be such that the maximum use is made of the available spectrum while providing reasonable Grade of Service (GoS). This requires the loading of Public and Private Systems to be such as to provide a GoS of not exceeding 5%.

The Erlang C model should be used as a guide to assess the channel needs of the applicant. This model is adopted as the reference as it assumes that the system will queue a certain number of blocked calls. The GoS will be defined by a specified delay, in message lengths, such that delayed calls will not exceed the specified delay with a probability P (t) of 0.05 (5%). That is, 95% of the calls placed will not be delayed by greater than the specified delay. An Erlang C table is provided in Appendix E for reference.

The GoS is critical for emergency services as well for local government agencies. The corresponding GoS for public safety systems (e.g., police, ambulance and fire department) is 2.5%. However, the level of GoS may be changed if deemed necessary by WPC based on specific service requirements.

5. PRINCIPLES OF ASSIGNMENT

The assignment shall be done based on a 'first come first served' basis to the new applicants. The existing PMRTS operators holding the spectrum as per APPENDIX-F shall be allocated channels based on the following criteria:-

- a) the number of channels held currently in analog Trunked Radio System (TRS) in Appendix F;
- b) requirements of the Technology chosen; and
- c) Spectrum allocation efficiency.



The new allocation should be equal to the number of channels held for either 12.5 KHz channel bandwidth or 6.25 KHz channel bandwidth depending on the Technology chosen by the Operator. The current holding is of 25 KHz channel bandwidth and the new allocation shall be based on 25 KHz or 12.5 KHz or 6.25 KHz depending on the Technology chosen by the PMRTS operator. The same approach can be applied to existing CMRTS users as per Appendix-F.

The current loading criterion operative is of 90 subscribers per channel for a 25 KHz channel bandwidth. Initial spectrum of 5 channels is allocated and on achieving a loading of 450 subscribers, additional channels are considered for allocation. Based on the same criteria and assuming that the loading efficiency would degrade by 30% due to one channel of each site getting occupied in a multi-site digital system for group calls the proposed loading efficiency for Digital systems should be 10.08 radios per KHz for 2 slot TDMA technologies giving 6.25 KHz equivalence or a 6.25 KHz channel bandwidth FDMA technologies.

The existing operators should be given a defined time frame to migrate to Digital technology with a spectrally efficient 6.25 KHz technology or a 6.25 KHz equivalent channel bandwidth and they should be given spectrum equivalent to the current spectrum held by them as per Annexure-G. Additional spectrum allocation to the existing PMRTS Operators should be assigned based on the loading criteria of 10.08 radios/KHz of spectrum.

The new entrants should be assigned spectrum on a 'first come first served' basis. In the event of unavailability of spectrum, applicants should be placed in the queue that should be reviewed periodically.

Based on the same principle the existing CMRTS users should be asked to migrate to spectrally efficient technologies in a time bound manner with equal number of channels allocation done in Digital as being currently held by them as in Appendix-G.

6. PROPOSED IMPLEMENTATION PLAN

The reservation of the spectrum blocks for the migration of the listed PMRTS Operators in Appendix-F of the 800MHz band shall be made for the new frequency allocations as per new channeling plan, as required by the Operator in 12.5KHz or 6.25KHz band.

The new PMRTS entrants should be assigned spectrum on a '*first come first served*' basis.

7. NEW ALLOCATION METHOD PROPOSED

Following examples illustrate the proposed allocation plan for existing operator.

EXAMPLE 1: Migration from Analog 25 KHz (Existing) to Digital 12.5 KHz (Proposed New)



PMRTS Operator	: Quick calls Pvt. Ltd.
Service Area	: Chennai
Current Spectrum Allocated	: 7D

Centre frequencies of block 7D allocated as per plan 6 of NFAP are

		Channel No.	RX Freq.	TX Freq.
	I	37	818.0875	863.0875
Existing 25 KHz	II	77	817.0875	862.0875
Plan 6 of NFAP	III	117	816.0875	861.0875
	IV	157	815.0875	860.0875
	V	197	814.0875	859.0875

Current Subscriber Loading :450

Now after loading of 450 subscribers on 5 Channels, the PMRTS operator requesting migration to Digital (12.5KHz Technology) for all new subscribers and asking for 5 years to migrate current Analog Subscribers to Digital.

Solution for above migration from Analog to Digital for 12.5 KHz band will be

Look for the free spectrum block for Chennai region from within NFAP Plan 6 such that there is a minimum separation of 250 KHz between adjacent channels (refer proposed 12.5 KHz channel allocation plan). All Spectrum blocks except 1, 3,5,7,9 and 10 are allocated.

Supposing WPC chooses block 1A for allocation of spectrum for 12.5 KHz technology. Hence the new allocation of 12.5 KHz center frequencies to be issued (5 Channel Pairs) shall be

		Channel No.	RX Freq.	TX Freq.
Refer 12.5 KHz	I	1	818.99375	863.99375
Plan Block 1 A	II	41	818.49375	863.49375
to be allocated	III	81	817.99375	862.99375
to be anotated	IV	121	817.49375	862.49375
	V	161	816.99375	861.99375

After completion of migration as per period granted for migration the analog frequencies are surrendered by the operator and these frequencies can be reused or re-allotted as per new digital plans as the case may be.

EXAMPLE 2: Migration from Analog 25 KHz (Existing) to Digital 6.25 KHz (Proposed New) PMRTS Operator: Bhilwara Telenet Services Private Limited Service Area: Mumbai Metro Current Spectrum Allocated: 9A

Centre frequencies of block 9A allocated as per plan 6 of NFAP are



		Channel No.	RX Freq.	TX Freq.
	I	9	818.7875	863.7875
Existing 25 KHz	II	49	817.7875	862.7875
Plan	III	89	816.7875	861. 7875
	IV	129	815.7875	860.7875
	V	169	814.7875	859.7875

1A from existing 25 KHz Plan

Current Subscriber Loading : 450

Now after loading of 450 subscribers on 5 Channels, the PMRTS operator requesting migration to Digital (6.25 KHz Technology) for all new subscribers and asking for 5 years to migrate current Analog Subscribers to Digital.

Solution for above migration from Analog to Digital for 6.25 KHz band will be

Look for the free spectrum block for Mumbai Metro region from within NFAP Plan 6 such that there is a minimum separation of 250 KHz between adjacent channels (refer proposed 6.25 KHz channel allocation plan). All Spectrum blocks except 2, 6 and 7 are allocated.

Supposing WPC chooses block 2A for allocation of spectrum for 6.25 KHz technology. Hence the new allocation of 6.25 KHz center frequencies to be issued (5 Channel Pairs) shall be

		Channel No.	RX Freq.	TX Freq.
Refer 6.25 KHz	Ι	2a	818. 978125	863.978125
Plan Block 2 A to	II	42a	818. 478125	863. 478125
be allocated	III	82a	817. 978125	862. 978125
	IV	122a	817. 478125	862. 478125
	V	162a	816. 978125	861. 978125

After completion of migration as per period granted for migration, the analog frequencies shall be surrendered by the operator and these frequencies shall be reused or re-allotted afresh as per new digital plans of 12.5 KHz or 6.25 KHz as the case may be.



8. <u>APPENDIX-A-TABLE OF CURRENT 25 KHz CHANNELING PLAN NO.6 AS PER</u> <u>NFAP</u>

Channeling Plans (Plan No-6)

R.F. CHANNEL ARRANGEMENT FOR MOBILE RADIO TRUNKING SERVICE FOR THE FREQUENCY OF 814-819 MHz AND 859-864 MHz

<u>S.No.</u>		<u>Chann</u>	el Arrang	<u>gement</u>		Block No.	
1	1	41	81	121	161		1A
	21	61	101	141	181		1B
	11	51	91	131	171		1C
	31	71	111	151	191		1D
2	2	42	82	122	162		2A
	22	62	102	142	182		2B
	12	52	92	132	172		2C
	32	72	112	152	192		2D
3	3	43	83	123	163		3A
	23	63	103	143	183		3B
	13	53	93	133	173		3C
	33	73	113	153	193		3D
4	4	44	84	124	164		4A
	24	64	104	144	184		4B
	14	54	94	134	174		4C
	34	74	114	154	194		4D
5	5	45	85	125	165		5A
	25	65	105	145	185		5B
	15	55	95	135	175		5C
	35	75	115	155	195		5D
6	6	46	86	126	166		6A
-	26	66	106	146	186		6B
	16	56	96	136	176		6C
	36	76	116	156	196		6D
7	7	47	87	127	167		7A
-	27	67	107	147	187		7B
	17	57	97	137	177		7C
	37	77	117	157	197		7D



R.F. CHANNEL ARRANGEMENT FOR MOBILE RADIO TRUNKING SERVICE FOR THE FREQUENCY OF 814-819 MHz AND 859-864 MHz

8	8	48	88	128	168	 8A
	28	68	108	148	188	 8B
	18	58	98	138	178	 8C
	38	78	118	158	198	 8D
9	9	49	89	129	169	 9A
	29	69	109	149	189	 9B
	19	59	99	139	179	 9C
	39	79	119	159	199	 9D
10	10	50	90	130	170	 10A
	30	70	110	150	190	 10B
	20	60	100	140	180	 10C
	40	80	120	160	200	 10D

Note: - Each set of 5 frequency pairs shall be assigned in the order of A then B then C and then D



FOR THE FREQUENCY OF 814-819 MHz AND 859-864 MHz		
25 k	(Hz PLAN WITH 45 MHz DUPLE	X SEPERATION
CHL.PAIR NO.	BASE TRANSMIT (KHz)	BASE RECEIVE (KHz)
200	814012.5	859012.5
199	814037.5	859037.5
198	814062.5	859062.5
197	814087.5	859087.5
196	814112.5	859112.5
195	814137.5	859137.5
194	814162.5	859162.5
193	814187.5	859187.5
192	814212.5	859212.5
191	814237.5	859237.5
190	814262.5	859262.5
189	814287.5	859287.5
188	814312.5	859312.5
187	814337.5	859337.5
186	814362.5	859362.5
185	814387.5	859387.5
184	814412.5	859412.5
183	814437.5	859437.5
182	814462.5	859462.5
181	814487.5	859487.5
180	814512.5	859512.5
179	814537.5	859537.5
178	814562.5	862537.5
177	814587.5	859587.5
176	814612.5	859612.5
175	814637.5	859637.5
174	814662.5	859662.5
173	814687.5	859687.5
172	814712.5	859712.5
171	814737.5	859737.5
170	814762.5	859762.5



169	814787.5	859787.5
168	814812.5	859812.5
167	814837.5	859837.5
166	814862.5	859862.5
165	814887.5	859887.5
164	814912.5	859912.5
163	814937.5	859937.5
165	814962.5	859962.5
161	814987.5	859987.5
CHL.PAIR NO.	BASE TRANSMIT (KHz)	BASE RECEIVE (KHz)
160	815012.5	860012.5
159	815037.5	860037.5
158	815062.5	860062.5
157	815087.5	860087.5
156	815112.5	860112.5
155	815137.5	860137.5
154	815162.5	860162.5
153	815187.5	860187.5
152	815212.5	860212.5
151	815237.5	860237.5
150	815262.5	860212.5
149	815287.5	860287.5
148	815312.5	860312.5
147	815337.5	860337.5
146	815362.5	860362.5
145	815387.5	860387.5
144	815412.5	860412.5
143	815437.5	860437.5
142	815462.5	860462.5
141	815487.5	860487.5
140	815512.5	860512.5
139	815537.5	860537.5
138	815562.5	860562.5
137	815587.5	860687.5
136	815612.5	860612.5
135	815637.5	860637.5
134	815662.5	860662.5
133	815687.5	860687.5
132	815712.5	860712.5
131	815737.5	860737.5
130	815762.5	860762.5
129	815787.5	860787.5



100	015012 5	000012 5
128	815812.5	860812.5
127	815837.5	860837.5
126	815862.5	860862.5
125	815887.5	860887.5
124	815912.5	860912.5
123	815937.5	860937.5
122	815962.5	860962.5
121	815987.5	860987.5
120	816012.5	861012.5
119	816037.5	861037.5
118	816062.5	861062.5
CHL.PAIR NO.	BASE TRANSMIT (KHz)	BASE RECEIVE (KHz)
117	816087.5	861087.5
116	816112.5	861112.5
115	816137.5	861137.5
114	816162.5	861162.5
113	816187.5	861187.5
112	816212.5	861212.5
111	816237.5	861237.5
110	816262.5	861262.5
109	816287.5	861287.5
108	816312.5	861312.5
107	816337.5	861337.5
106	816362.5	861362.5
105	816387.5	861387.5
104	816412.5	861412.5
103	816437.5	861437.5
102	816462.5	861462.5
101	816487.5	861487.5
100	816512.5	861512.5
99	816537.5	861537.5
98	816562.5	861562.5
97	816587.5	861587.5
96	816612.5	861612.5
95	816637.5	861637.5
94	816662.5	861662.5
93	816687.5	861687.5
92	816712.5	861712.5
91	816737.5	861737.5
90	816762.5	861762.5
89	816787.5	861787.5
88	816812.5	861812.5
	•	



87	816837.5	861837.5
86	816862.5	861862.5
85	816887.5	861887.5
84	816912.5	861912.5
83	816937.5	861937.5
82	816962.5	861962.5
81	816987.5	861987.5
80	817012.5	862012.5
79	817037.5	862037.5
78	817062.5	862062.5
77	817087.5	862087.5
76	817112.5	862112.5
75	817137.5	862137.5
CHL.PAIR NO.		
CILIPAIR NO.	BASE TRANSMIT (KHz)	BASE RECEIVE (KHz)
74	817162.5	862162.5
73	817187.5	862187.5
72	817212.5	862212.5
71	817237.5	862237.5
70	817262.5	862262.5
69	817287.5	862287.5
68	817312.5	862312.5
67	817337.5	862337.5
66	817362.5	862362.5
65	817387.5	862387.5
64	817412.5	862412.5
63	817437.5	862437.5
62	817462.5	862462.5
61	817487.5	862487.5
60	817512.5	862512.5
59	817537.5	862537.5
58	817562.5	862562.5
57	817587.5	862587.5
56	817612.5	862612.5
55	817637.5	862637.5
54	817662.5	862662.5
53	817687.5	862687.5
52	817712.5	862712.5
51	817737.5	862737.5
50		
	817762.5	862762.5
49	817762.5 817787.5	862787.5
49 48		



46	817862.5	862862.5
45	817887.5	862887.5
44	817912.5	862912.5
43	817937.5	862937.5
42	817962.5	862962.5
41	817987.5	862987.5
40	818012.5	863012.5
39	818037.5	863037.5
38	818062.5	863062.5
37	818087.5	863087.5
36	818112.5	863112.5
35	818137.5	863137.5
34	818162.5	863162.5
33	818187.5	863187.5
32	818212.5	863212.5
CHL.PAIR NO.	BASE TRANSMIT (KHz)	BASE RECEIVE (KHz)
31	818237.5	863237.5
30	818262.5	863262.5
29	818287.5	863287.5
28	818312.5	863312.5
27	818337.5	863337.5
26	818362.5	863362.5
25	818387.5	863387.5
24	818412.5	863412.5
23	818437.5	863437.5
22	818462.5	863462.5
21	818487.5	863487.5
20	818512.5	863512.5
19	818537.5	863537.5
18	818562.5	863562.5
17	818587.5	863587.5
16	818612.5	863612.5
15	818637.5	863637.5
14	818662.5	863662.5
13	818687.5	863687.5
12	818712.5	863712.5
11	818737.5	863737.5
10	818762.5	863762.5
9	818787.5	863787.5
8	818812.5	863812.5
7	818837.5	863837.5
6	818862.5	862862.5
	•	



5	818887.5	863887.5
4	818912.5	863912.5
3	818937.5	863937.5
2	818962.5	863962.5
1	818987.5	863987.5

9. APPENDIX-B CHANNELING PLAN 12.5 KHZ AND 6.25 KHZ

New Frequency Allocation plan (derived from existing NFAP Scheme No.6)

1	Existing Centre Frequency 25 KHz spacing	863.9875	(Channel I de	fined in NFAP	Plan No. 6)
	Proposed 12.5KHz	(Subtractin from above (ng -6.25 KHz Channel I)	· ·	5 KHz from above nnel I)
2	Channel Spacing spots (new center frequencies will be)	863.98125 defined in belo	new table		5 (Channel 2 ew table below)
	Creation of 4 No 6.25 KHz	(Subtracting - 3.125KHz from Channel 1)	(Adding +3.125KHz from channel 1)	(Subtracting -3.125KHz from channel 2)	(Adding +3.125KHz from channel 2)
3	Channel spacing spots (new center frequencies will be)	863.978125 (Channel 1a defined in new table below)	863.984375 (Channel 1b defined in new table below)	863.990625 (Channel 2a defined in new table below)	863.996875 (Channel 2b defined in new table below)



10. AT A GLANCE

814-819 MHz / 859-864 MHz Band

Existing Channels 1	2	3	4	5	6	7	8	up to	198	199	200
No of Existing Blocks and											
Channels		10 Bloc	ks with 20) channe	s each						

Overview of spectrum issued & available for 12.5 KHz/6.25 KHz Digital Technologies

	No of Blocks				No of	No of		
	issued as per				Blocks	Channels	No of Blocks	No of Channels
	existing	No of	No of Blocks	No of	Reserved for	reserved for	Reserved for	reserved for
	scheme (NFAP	Channels	available for	Channels	12.5 KHz	12.5 KHz	6.25 KHz	6.25 KHz
Region	Plan 6)	Issued	proposed plan	Available	allocation	allocation	allocation	allocation
	,		10 - 3.50 =			6.50 x 20 =		
Delhi NCR	3.50	3.50 x 20 = 70	6.50	6.50 x 20 = 130	6.50	130*	6.50 x 2= 13.0	13 x 20 = 260**
			10 - 3.75 =			6.25 x 20 =		
Mumbai	3.75	3.75 x 20 = 75	6.25	6.25 x 20 = 125	6.25	125*	6.25 x 2 = 12.5	12.5 x 20 = 250**
			10 - 1.25 =			8.75 x 20 =		
Pune	1.25	1.25 x 20 = 25	8.75	8.75 x 20 = 175	8.75	175*	8.75 x 2 = 17.5	17.5 x 20 = 350**
			10 - 2.25 =			7.75 x 20 =		
Bangalore	2.25	2.25 x 20 = 45	7.75	7.75 x 20 = 155	7.75	155*	7.75 x 2 = 15.5	15.5 x 20 = 310**
			10 - 2.25 =			7.75 x 20 =		
Chennai	2.25	2.25 x 20 = 45	7.75	7.75 x 20 = 155	7.75	155*	7.75 x 2 = 15.5	15.5 x 20 = 310**
			10 - 1.00 =			9.00 x 20 =		
Hyderabad	1.00	$1.00 \times 20 = 20$	9.00	9.00 x 20 = 180	9.00	180*	9.00 x 2 = 18.0	18 x 20 = 360**
			10 - 0.50 =			9.50 x 20 =		
Jaipur	0.50	0.50 x 20 = 10	9.50	9.50 x 20 = 190	9.50	190*	9.50 x 2 = 19.0	19 x 20 = 380**
			10 - 0.50 =			9.50 x 20 =		
Ahmedabad	0.50	0.50 x 20 = 10	9.50	9.50 x 20 = 190	9.50	190*	9.50 x 2 = 19.0	19 x 20 = 380**
			10 - 0.75 =			9.25 x 20 =		
Baroda	0.75	0.75 x 20 = 15	9.25	9.25 x 20 = 185	9.25	185*	9.25 x 2 = 18.5	18.5 x 20 = 370**



			10 - 0.75 =			9.25 x 20 =		
Surat	0.75	0.75 x 20 = 15	9.25	9.25 x 20 = 185	9.25	185*	9.25 x 2 = 18.5	18.5 x 20 = 370**
			10 - 0.25 =			9.75 x 20 =		
Bharuch	0.25	0.25 x 20 = 05	9.75	9.75 x 20 = 195	9.75	195*	9.75 x 2 = 19.5	19.5 x 20 = 390**
			10 - 0.25 =			9.75 x 20 =		
Dahej	0.25	0.25 x 20 = 05	9.75	9.75 x 20 = 195	9.75	195*	9.75 x 2 = 19.5	19.5 x 20 = 390**
			10 - 0.50 =			9.50 x 20 =		
Indore	0.50	0.50x 20 = 10	9.50	9.50 x 20 = 190	9.50	190*	9.50 x 2 = 19.0	19 x 20 = 380**
			10 - 1.00 =			9.00 x 20 =		
Kolkata Metro	1.00	$1.00 \times 20 = 20$	9.00	9.00 x 20 = 180	9.00	180*	9.00 x 2 = 18.0	18 x 20 = 360**
			10 - 1.50 =			8.50 x 20 =		
Visakhapatnam	1.50	1.50 x 20 = 30	8.50	8.50 x 20 = 170	8.50	170*	8.50 x 2 = 17.0	17 x 20 = 340**
			10 - 0.25 =			9.75 x 20 =		
Khandala	0.25	0.25 x 20 = 05	9.75	9.75 x 20 = 195	9.75	195*	9.75 x 2 = 19.5	19.5 x 20 = 390**

* Number of channels can be allocated as per 12.5 KHz (2 Voice paths per channel)

** Number of channels can be allocated as per 6.25 KHz

CHANNELING PLAN 12.5 KHZ AND 6.25 KHZ



Ch. No.	1		1	1	2	1	3	1	4	1
Base Rx	818.9		818.8		818.7		818.6		818.4	
Base Tx	863.9		863.8			4375	863.6		863.4	
Ch. No.	1a	1b	11a	11b	21a	21b	31a	31b	41a	41b
Base Rx	818.990625	818.996875	818.865625	818.871875	818.740625		818.615625		818.490625	818.496875
Base Tx	863.990625		863.865625		863.740625		863.615625		863.490625	863.496875
Ch. No.	2001000000000			2		2	3		4	
Base Rx	818.9	_	818.8	_	818.7	-	818.6	_	818.4	_
Base Tx	863.9		863.8			/3125	863.6		863.4	
Ch. No.	2a	2b	12a	12b	22a	22b	32a	32b	42a	42b
Base Rx	818.978125	-		818.859375	818.728125	-	818.603125		818.478125	818.484375
Base Tx	863.978125		863.853125	863.859375	863.728125		863.603125		863.478125	863.484375
Ch. No.	303.378123		1			3	3		4	
	818.9			-		-				-
Base Rx Base Tx	818.9		818.8 863.8		818.7 863.7		818.5 863.5		818.4 863.4	
Ch. No.	3a	3b	13a	13b	23a	23b	33a	33b	43a	43b
Base Rx		818.971875	818.840625		818.715625		818.590625		818.465625	818.471875
Base Tx		863.971875	863.840625	863.846875	863.715625		863.590625		863.465625	863.471875
Ch. No.	4	-	1			4	34		4	
Base Rx	818.9		818.8		818.7		818.5		818.4	
Base Tx	863.9		863.8			/0625	863.5		863.4	
Ch. No.	4a	4b	14a	14b	24a	24b	34a	34b	44a	44b
Base Rx	818.953125		818.828125	818.834375	818.703125		818.578125		818.453125	818.459375
Base Tx	863.953125	863.959375	863.828125	863.834375	863.703125	863.709375	863.578125	863.584375	863.453125	863.459375
Ch. No.	5		1		2		3.		4	
Base Rx	818.9	4375	818.8	1875	818.6	59375	818.5	6875	818.4	4375
Base Tx	863.9	4375	863.8			9375	863.5	6875	863.4	
Ch. No.	5a	5b	15a	15b	25a	25b	35a	35b	45a	45b
Base Rx	818.940625	818.946875	818.815625	818.821875	818.690625	818.696875	818.565625	818.571875	818.440625	818.446875
Base Tx	863.940625	863.946875	863.815625	863.821875	863.690625	863.696875	863.565625	863.571875	863.440625	863.446875
Ch. No.	6	5	1	6	2	6	3	6	4	6
Dees Dee										0
Base Rx	818.9	3125	818.8	0625	818.6	58125	818.5	5625	818.4	-
Base RX Base Tx	818.9 863.9		818.8 863.8			58125 58125	818.5 863.5		818.4 863.4	3125
										3125
Base Tx	863.9	3125 6b	863.8 16a	0625	863.6 26a	8125	863.5 36a	5625 36b	863.4	3125 3125 46b
Base Tx Ch. No.	863.9 6a	3125 6b	863.8 16a	0625 16b	863.6 26a	58125 26b 818.684375	863.5 36a	5625 36b 818.559375	863.4 46a	3125 3125 46b
Base Tx Ch. No. Base Rx	863.9 6a 818.928125	6b 818.934375 863.934375	863.8 16a 818.803125	0625 16b 818.809375 863.809375	863.6 26a 818.678125	8125 26b 818.684375 863.684375	863.5 36a 818.553125	5625 36b 818.559375 863.559375	863.4 46a 818.428125	3125 3125 46b 818.434375 863.434375
Base Tx Ch. No. Base Rx Base Tx	863.9 6a 818.928125 863.928125	3125 6b 818.934375 863.934375 7	863.8 16a 818.803125 863.803125	0625 16b 818.809375 863.809375 7	863.6 26a 818.678125 863.678125	8125 26b 818.684375 863.684375 7	863.5 36a 818.553125 863.553125	5625 36b 818.559375 863.559375 7	863.4 46a 818.428125 863.428125	3125 3125 46b 818.434375 863.434375 7
Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.9 6a 818.928125 863.928125 7	3125 6b 818.934375 863.934375 7 1875	863.8 16a 818.803125 863.803125 1	0625 16b 818.809375 863.809375 7 9375	863.6 26a 818.678125 863.678125 2	8125 26b 818.684375 863.684375 7 66875	863.5 36a 818.553125 863.553125 3	5625 36b 818.559375 863.559375 7 4375	863.4 46a 818.428125 863.428125 4	3125 3125 46b 818.434375 863.434375 7 1875
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	863.9 6a 818.928125 863.928125 7 863.928125 7 818.9	3125 6b 818.934375 863.934375 7 1875	863.8 16a 818.803125 863.803125 1 818.7	0625 16b 818.809375 863.809375 7 9375	863.6 26a 818.678125 863.678125 2 818.6	8125 26b 818.684375 863.684375 7 66875	863.5 36a 818.553125 863.553125 3 818.5	5625 36b 818.559375 863.559375 7 4375	863.4 46a 818.428125 863.428125 4 818.4	3125 3125 46b 818.434375 863.434375 7 1875
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	863.9 6a 818.928125 863.928125 7 818.9 863.9 863.9 7a	3125 6b 818.934375 863.934375 7 1875 1875	863.8 16a 818.803125 863.803125 1 818.7 863.7	0625 16b 818.809375 863.809375 7 9375 9375 17b	863.6 26a 818.678125 863.678125 2 818.6 863.6	8125 26b 818.684375 863.684375 7 66875 66875 27b	863.5 36a 818.553125 863.553125 3 818.5 863.5	5625 36b 818.559375 863.559375 7 4375 4375 37b	863.4 46a 818.428125 863.428125 4 818.4 863.4 863.4 47a	3125 3125 46b 818.434375 863.434375 7 1875 1875
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625	3125 6b 818.934375 863.934375 7 1875 1875 7b	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a	0625 16b 818.809375 863.809375 7 9375 9375 17b	863.6 26a 818.678125 863.678125 2 818.6 863.6 27a	8125 26b 818.684375 863.684375 7 56875 56875 27b 818.671875	863.5 36a 818.553125 863.553125 3 818.5 863.5 37a 818.540625	5625 36b 818.559375 863.559375 7 4375 4375 37b	863.4 46a 818.428125 863.428125 4 818.4 863.4 863.4 47a	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625	3125 6b 818.934375 863.934375 7 11875 7b 818.921875 863.921875	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875	863.6 26a 818.678125 863.678125 2 818.6 863.6 27a 818.665625	8125 26b 818.684375 863.684375 7 56875 56875 27b 818.671875 863.671875	863.5 36a 818.553125 863.553125 3 818.5 863.5 37a 818.540625	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 863.546875	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625	3125 6b 818.934375 863.934375 7 11875 7b 818.921875 863.921875 3	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875 8	863.6 26a 818.678125 863.678125 2 818.6 863.6 27a 818.665625 863.665625	8125 26b 818.684375 863.684375 7 56875 27b 818.671875 863.671875 8	863.5 36a 818.553125 863.553125 37 818.5 863.5 37a 818.540625 863.540625	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 863.546875 8	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625 863.415625	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 8
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625 8	3125 6b 818.934375 863.934375 7 1875 7 1875 7b 818.921875 863.921875 3 00625	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875 8 8	863.6 26a 818.678125 863.678125 2 818.6 863.6 27a 818.665625 863.665625 2 2	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 8 55625	863.5 36a 818.553125 863.553125 37 818.5 863.5 37a 818.540625 863.540625 37	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 863.546875 8 3125	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625 863.415625 4	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 8 00625
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No. Base Rx	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625 863.915625 863.915625 8	3125 6b 818.934375 863.934375 7 1875 7 1875 7b 818.921875 863.921875 3 00625	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875 8 8	863.6 26a 818.678125 863.678125 2 818.6 863.6 27a 818.665625 863.665625 2 818.6	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 8 55625	863.5 36a 818.553125 863.553125 37 818.5 863.5 37a 818.540625 863.540625 37 818.540625 863.540625	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 863.546875 8 3125	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625 863.415625 4 818.4	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 8 00625
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625 863.915625 863.915625 863.915625 863.915625	3125 6b 818.934375 863.934375 7 1875 7 818.921875 863.921875 8 0625 0625 8b	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7 863.7	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875 8 8125 8125	863.6 26a 818.678125 863.678125 2 818.6 863.6 27a 818.665625 863.665625 2 818.6 863.6 863.6 863.6	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 8 55625 55625 28b	863.5 36a 818.553125 863.553125 37 818.5 863.5 37a 818.540625 863.540625 37 818.5 863.540625 863.5	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 863.546875 8 3125 3125	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625 863.415625 4 818.4 818.4 818.4	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 8 00625 00625
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625 863.915625 863.935625 863.935625 863.9 863.9 863.9 863.9 863.9	3125 6b 818.934375 863.934375 7 1875 7 818.921875 863.921875 8 0625 0625 8b	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7 863.7 18a	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875 8 8125 8125 18b	863.6 26a 818.678125 863.678125 2 818.6 863.6 27a 818.665625 863.665625 2 818.6 863.6 863.6 863.6	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 8 55625 55625 28b 818.659375	863.5 36a 818.553125 863.553125 37 818.5 863.5 863.5 863.540625 863.540625 37 818.5 863.5 863.5 863.5 863.5 863.5	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 863.546875 8 3125 3125 38b	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625 863.415625 4 818.4 863.4 863.4 863.4	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 8 00625 00625 48b
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625 863.915625 863.915625 863.9 863.9 863.9 863.9 863.9 863.9	3125 6b 818.934375 863.934375 7 1875 7 818.921875 863.921875 3 0625 0625 8 0625 8 8 8 8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7 863.7 18a 818.778125	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875 8 8125 8125 18b 818.784375 863.784375	863.6 26a 818.678125 863.678125 2 818.665625 863.665625 2 818.665625 2 818.665625 2 818.665625 2 818.653125 863.653125	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 8 55625 55625 28b 818.659375	863.5 36a 818.553125 863.553125 863.553125 863.553125 863.540625 863.540625 863.540625 863.540625 863.540625 384 818.528125	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 863.546875 8 3125 3125 38b 818.534375 863.534375	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625 863.415625 4 818.4 818.4 863.4 863.4 818.403125	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 8 0625 0625 48b 818.409375 863.409375
Base Tx Ch. No. Base Rx Base Tx	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625 863.915625 863.915625 863.925 863.9 863.9 863.9 863.9	3125 6b 818.934375 863.934375 7 1875 7 818.921875 863.921875 3 0625 863.921875 8 0625 8 8 818.909375 863.909375	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7 863.7 18a 818.778125 863.778125	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875 8 8125 18b 818.784375 863.784375 9	863.6 26a 818.678125 863.678125 2 818.665625 863.665625 2 818.665625 2 818.665625 2 818.665625 2 818.653125 863.653125	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 8 55625 28b 818.659375 863.659375 9	863.5 36a 818.553125 863.553125 863.553125 863.553125 863.540625 863.540625 863.540625 863.540625 863.540625 863.540625 863.540625 863.528125	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 863.546875 8 3125 3125 38b 818.534375 863.534375 863.534375	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625 863.415625 4 818.4 863.4 863.4 863.4 818.403125 863.403125	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 8 00625 48b 00625 48b 818.409375 863.409375 9
Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625 863.915625 863.9 8 863.9 8 863.9 8 863.9 8 863.9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3125 6b 818.934375 863.934375 7 1875 7 818.921875 863.921875 863.921875 8 0625 8 8 818.909375 863.909375 9 99375	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7 863.7 18a 818.778125 863.778125 863.778125 1	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875 8125 18b 8125 18b 818.784375 863.784375 9 66875	863.6 26a 818.678125 863.678125 2 818.665625 863.665625 2 818.665625 2 818.665625 2 818.653125 863.653125 863.653125 2 2	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 8 55625 28b 818.659375 863.659375 9 54375	863.5 36a 818.553125 863.553125 863.553125 863.553125 863.540625 863.540625 863.540625 863.540625 863.540625 863.528125 863.528125 863.528125	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 8 3125 38b 818.534375 863.534375 863.534375 9 1875	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625 863.415625 4 818.4 863.4 863.4 818.4 863.4 818.403125 863.403125 863.403125	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 8 0625 663.421875 8 0625 48b 818.409375 863.409375 9 99375
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	863.9 6a 818.928125 863.928125 77 818.91 863.92 7a 818.915625 863.915625 863.915625 863.93 863.93 863.915625 863.93 863.93 863.93 863.93 863.93 863.903125 863.903125 863.903125 818.80	3125 6b 818.934375 863.934375 7 1875 7 818.921875 863.921875 863.921875 8 0625 8 8 818.909375 863.909375 9 99375	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7 863.7 18a 818.778125 863.778125 1 818.7	0625 16b 818.809375 863.809375 7 9375 17b 818.796875 863.796875 8125 18b 8125 18b 818.784375 863.784375 9 66875	863.6 26a 818.678125 863.678125 2 818.665625 863.665625 2 818.665625 2 818.665625 2 818.653125 863.653125 863.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 818.653125 2 8 8 8 8 8 8 8 8 8 8 8 8 8	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 8 55625 28b 818.659375 863.659375 9 54375	863.5 36a 818.553125 863.553125 863.553125 863.553125 863.540625 863.540625 863.540625 863.540625 38a 818.528125 863.528125 863.528125 38a 818.528125	5625 36b 818.559375 863.559375 7 4375 4375 37b 818.546875 8 3125 38b 818.534375 863.534375 863.534375 9 1875	863.4 46a 818.428125 863.428125 4 818.4 863.4 47a 818.415625 863.415625 4 818.4 863.4 863.4 818.403125 863.403125 4 818.3	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 8 0625 663.421875 8 0625 48b 818.409375 863.409375 9 99375
Base Tx Ch. No. Base Rx Base Tx	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625 863.915625 863.915625 888.8 818.903125 863.903125 863.903125 2 818.88 863.8 9a	3125 6b 818.934375 863.934375 7 1875 7 818.921875 863.921875 863.921875 863.921875 863.921875 863.909375 863.909375 9 9375	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7 863.7 18a 818.778125 863.778125 1 818.7 863.7	0625 16b 818.809375 7 9375 9375 17b 818.796875 863.796875 8125 8125 18b 8125 18b 8125 843.784375 9 6875 19b	863.6 26a 818.678125 863.678125 2 818.6 863.6 27a 818.665625 863.665625 2 818.6 863.6 28a 818.653125 863.653125 2 818.6 818.6 818.6	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 863.671875 863.659375 863.659375 9 64375 29b	863.5 36a 818.553125 863.553125 863.553125 863.553125 863.540625 863.540625 863.540625 863.540625 38a 818.528125 863.528125 38a 818.528125 38a 818.528125 863.528125	5625 36b 818.559375 7 4375 4375 4375 818.546875 863.546875 8 3125 3125 3125 38b 818.534375 863.534375 9 1875 1875 39b	863.4 46a 818.428125 863.428125 4 818.428125 4 818.4 863.4 818.415625 863.415625 4 818.403125 863.403125 863.403125 4 818.3 863.3	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 8 00625 00625 00625 48b 818.409375 863.409375 9 9375 49b
Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.9 6a 818.928125 863.928125 7 818.9 863.9 7a 818.915625 863.915625 863.915625 863.915625 888.8 818.903125 863.903125 863.903125 2 818.88 863.8 9a	3125 6b 818.934375 7 1875 1875 7 818.921875 863.921875 863.921875 0625 0625 863.921875 863.921875 863.921875 9 9375 9 99375 9b	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7 863.7 18a 818.778125 863.778125 1 818.7 863.7 19a	0625 16b 818.809375 7 9375 9375 17b 818.796875 863.796875 8125 8125 18b 8125 18b 8125 843.784375 9 6875 19b	863.6 26a 818.678125 863.678125 2 818.665625 863.665625 2 818.665625 2 818.653125 863.653125 2 863.653125 2 818.653125 2 818.653125	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 863.671875 863.671875 863.659375 9 64375 29b 818.646875	863.5 36a 818.553125 863.553125 863.553125 863.540625 863.540625 863.540625 863.540625 863.540625 863.540625 863.528125 863.528125 863.528125 863.528125 863.528125 863.528125	5625 36b 818.559375 7 4375 4375 4375 818.546875 863.546875 8 3125 3125 3125 38b 818.534375 863.534375 9 1875 1875 39b	863.4 46a 818.428125 863.428125 4 863.428125 863.428125 863.415625 863.415625 4 818.4 863.4 863.4 818.403125 863.403125 4 818.83 863.3 863.3	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 863.421875 8 00625 00625 48b 818.409375 863.409375 9 9375 9 9375 49b 818.396875
Base Tx Ch. No. Base Rx Base Tx	863.9 6a 818.928125 863.928125 7 863.928125 7 863.9 863.9 863.9 863.915625 863.915625 863.915625 888 818.903125 863.903125 663.903125 663.903125 863.903125 863.903125 863.803.8 818.890625	3125 6b 818.934375 7 1875 1875 818.921875 863.921875 863.921875 863.921875 863.909375 9375 9375 99375 99375 90 818.896875 863.896875	863.8 16a 818.803125 863.803125 1 818.7 863.7 17a 818.790625 863.790625 1 818.7 863.7 18a 818.778125 863.778125 1 818.77 863.7 19a 818.765625	0625 16b 818.809375 7 9375 9375 17b 818.796875 863.796875 8 8125 18b 8125 18b 818.784375 863.784375 9 6875 19b 818.771875 863.771875	863.6 26a 818.678125 863.678125 2 818.665625 863.665625 2 818.665625 2 818.655125 863.653125 2 818.653125 8 8 8 8 8 8 8 8 8 8 8 8 8	8125 26b 818.684375 863.684375 7 66875 27b 818.671875 863.671875 863.671875 863.659375 5625 28b 818.659375 863.646875 863.646875	863.5 36a 818.553125 863.553125 863.553125 863.540625 863.540625 863.540625 863.540625 863.540625 388 818.528125 863.528125 863.528125 863.528125 863.528125 3818.528125 863.528125	5625 36b 818.559375 7 4375 4375 4375 818.546875 863.546875 8 3125 3125 3125 38b 818.534375 863.534375 9 1875 1875 1875 863.521875 863.521875	863.4 46a 818.428125 863.428125 4 863.428125 863.428125 863.415625 863.415625 4 818.403125 863.403125 863.403125 4 818.403125 863.403125 4 818.403125 863.403125	3125 3125 46b 818.434375 863.434375 7 1875 1875 47b 818.421875 863.421875 863.421875 80025 0625 48b 818.409375 863.409375 9 9375 9 9375 9 9375 49b 818.396875 863.396875
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Base Tx 863.303125 863.178125 863.178125 863.078125 863.059375 862.928125 862.934375 862.803125 862.80375 Ch. No. 57 67 77 87 97 Base Rx 818.29375 818.16875 818.04375 817.91875 817.79375 Base Rx 818.29062 818.296875 818.16875 863.04375 862.91875 862.79375 Base Rx 818.290625 818.296875 818.156525 818.171875 818.040625 818.046875 817.915625 817.921875 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.78125			0625	818.1	.8125	818.0	05625	817.9	3125	817.8	80625
Base Tx 863.303125 863.178125 863.178125 863.078125 863.059375 862.928125 862.934375 862.803125 862.80375 Ch. No. 57 67 77 87 97 Base Rx 818.29375 818.16875 818.04375 817.91875 817.79375 Base Rx 818.29062 818.296875 818.16875 863.04375 862.91875 862.79375 Base Rx 818.290625 818.296875 818.156525 818.171875 818.040625 818.046875 817.915625 817.921875 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.790625 817.78125	Base Tx	863.3	0625	818.1 863.1	.8125 .8125	818.0 863.0)5625)5625	817.9 862.9	3125 3125	817.8 862.8	30625 30625
Base Rx 818.29375 818.16875 818.04375 817.91875 817.79375 Base Tx 863.29375 863.16875 863.04375 862.91875 862.79375 Ch. No. 57a 57b 67a 67b 77a 77b 87a 87b 97a 97b Base Rx 818.290625 818.296875 818.165625 818.171875 818.040625 818.046875 817.915625 817.921875 817.790625 817.7906875 Base Rx 818.290625 863.165625 863.171875 863.040625 863.046875 862.915625 862.790625 862.790625 862.790875 Base Rx 818.28125 818.15525 818.03125 817.90255 817.78125 817.78125 Base Rx 818.278125 818.153125 818.028125 818.028125 863.04375 817.903125 817.790375 817.778125 817.784375 Base Rx 818.278125 818.153125 818.159375 818.028175 82.909375 862.778125 862.784375 Base Tx 863.278125	Base Tx Ch. No.	863.3 56a	0625 0625 56b	818.1 863.1 66a	.8125 .8125 66b	818.0 863.0 76a	05625 05625 76b	817.9 862.9 86a	3125 3125 86b	817.8 862.8 96a	30625 30625 96b
Base Tx 863.29375 863.16875 863.4375 862.91875 862.79375 Ch. No. 57a 57b 67a 67b 77a 77b 87a 87b 97a 97b Base Rx 818.290625 818.296875 818.15625 818.171875 818.040625 818.046875 817.915625 817.921875 817.790625 817.790625 862.796875 Base Tx 863.290625 863.296875 863.165625 863.171875 863.040625 862.915625 862.912875 862.790625 862.790825 863.787 Base Rx 818.2787125 818.153125	Base Tx Ch. No. Base Rx	863.3 56a 818.303125	0625 0625 56b 818.309375	818.1 863.1 66a 818.178125	8125 8125 66b 818.184375	818.0 863.0 76a 818.053125	05625 05625 76b 818.059375	817.9 862.9 86a 817.928125	3125 3125 86b 817.934375	817.8 862.8 96a 817.803125	30625 30625 96b 817.809375
Base Tx 863.29375 863.1675 863.4375 862.91875 862.79375 Ch. No. 57a 57b 67a 67b 77a 77b 87a 87b 97a 97b Base Rx 818.20625 818.206875 818.165625 818.171875 818.040625 818.046875 817.915625 817.921875 817.790625 817.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.790625 862.78075 Base Rx 818.2125 818.155125 818.028125 818.034375 817.90625 817.778125 817.784375 Base Rx 818.278125 818.24375 818.153125 818.159375 818.028125 818.034375 817.903125 817.778125 817.784375 Base Rx 818.278125 818.24375 863.028125 863.034375 862.903125 862.790375 862.784375 <th>Base Tx Ch. No. Base Rx Base Tx</th> <th>863.3 56a 818.303125 863.303125</th> <th>0625 0625 56b 818.309375 863.309375</th> <th>818.1 863.1 66a 818.178125 863.178125</th> <th>8125 8125 66b 818.184375 863.184375</th> <th>818.0 863.0 76a 818.053125 863.053125</th> <th>05625 05625 76b 818.059375 863.059375</th> <th>817.9 862.9 86a 817.928125 862.928125</th> <th>3125 3125 86b 817.934375 862.934375</th> <th>817.8 862.8 96a 817.803125 862.803125</th> <th>80625 80625 96b 817.809375 862.809375</th>	Base Tx Ch. No. Base Rx Base Tx	863.3 56a 818.303125 863.303125	0625 0625 56b 818.309375 863.309375	818.1 863.1 66a 818.178125 863.178125	8125 8125 66b 818.184375 863.184375	818.0 863.0 76a 818.053125 863.053125	05625 05625 76b 818.059375 863.059375	817.9 862.9 86a 817.928125 862.928125	3125 3125 86b 817.934375 862.934375	817.8 862.8 96a 817.803125 862.803125	80625 80625 96b 817.809375 862.809375
Base Rx 818.290625 818.296875 818.165625 818.171875 818.040625 817.915625 817.921875 817.790625 817.790625 817.790625 82.790625 862.790875 862.78125 863.78125 818.78737 818.78737 818.78737 818.78737 818.78737 818.787375 817.993125 817.993125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.78125 817.7	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 5	0625 0625 56b 818.309375 863.309375 7	818.1 863.1 66a 818.178125 863.178125 6	8125 8125 66b 818.184375 863.184375 7	818.0 863.0 76a 818.053125 863.053125 7	05625 05625 76b 818.059375 863.059375 7	817.9 862.9 86a 817.928125 862.928125 862.928125	3125 3125 86b 817.934375 862.934375 7	817.8 862.8 96a 817.803125 862.803125 9	30625 96b 817.809375 862.809375 7
Base Tx 863.290625 863.296875 863.165625 863.171875 863.040625 863.046875 862.915625 862.91875 862.790625 862.778125 817.78125 817.78125 817.78125 817.784375 863.278125 863.284375 818.153125 818.028125 818.028125 818.028125 863.034375 817.903125 817.778125 817.784375 Base Tx 863.278125 863.284375 863.153125 863.153125 863.028125 863.04625 862.903125 862.709375 861.778125 861.7784375 Base Tx 863.27815 863.153125 818.028125	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	863.3 56a 818.303125 863.303125 5 818.2	0625 0625 56b 818.309375 863.309375 7 9375	818.1 863.1 66a 818.178125 863.178125 6 818.1	8125 8125 66b 818.184375 863.184375 7 6875	818.0 863.0 76a 818.053125 863.053125 7 818.0	05625 05625 76b 818.059375 863.059375 7 7 04375	817.9 862.9 86a 817.928125 862.928125 862.928125 8 817.9 8	3125 3125 86b 817.934375 862.934375 7 1875	817.8 862.8 96a 817.803125 862.803125 9 817.7	06625 0625 96b 817.809375 862.809375 7 '9375
Base Tx 863.290625 863.296875 863.165625 863.171875 863.040625 863.046875 862.915625 862.91875 862.790625 862.778125 817.78125 817.78125 817.78125 817.784375 863.278125 863.284375 818.153125 818.028125 818.028125 818.028125 863.034375 817.903125 817.778125 817.784375 Base Tx 863.278125 863.284375 863.153125 863.153125 863.028125 863.04625 862.903125 862.709375 861.778125 861.7784375 Base Tx 863.27815 863.153125 818.028125	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	863.3 56a 818.303125 863.303125 5 818.2 863.2	0625 0625 56b 818.309375 863.309375 7 9375 9375	818.1 863.1 66a 818.178125 863.178125 6 818.1 863.1 863.1	8125 8125 66b 818.184375 863.184375 7 6875 6875	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 863.0	25625 25625 76b 818.059375 863.059375 7 24375 24375	817.9 862.9 86a 817.928125 862.928125 8 82.928125 8 82.928125 8 82.928125 8 862.928125 8 862.928125 8 8 817.9 862.9 8 8 8 17.9 8 8 8 17.928125 8 8 8 8 17.928125 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3125 3125 86b 817.934375 862.934375 7 1875 1875	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7	06625 0625 96b 817.809375 862.809375 7 9375 9375
Ch. No. 58 68 78 88 98 Base Rx 818.28125 818.15625 818.03125 817.90625 817.78125 Base Tx 863.28125 863.15625 863.03125 862.90625 862.78125 Base Tx 863.28125 863.15625 863.03125 862.90625 862.78125 Ch. No. 58a 58b 68a 68b 78a 78b 88a 88b 98a 98b Base Rx 818.278125 818.153125 818.159375 818.028125 818.034375 817.90375 817.778125 817.784375 Base Rx 818.278125 863.284375 863.153125 863.159375 863.028125 863.034375 862.9033125 862.778125 862.784375 Ch. No. 59 69 79 89 99 99 Base Rx 818.26875 818.14375 818.01875 817.89375 817.76875 Base Tx 863.26875 863.14375 863.01875 862.89375 862.76875 Ch. No. 59a 59b 69a 69b 79a 79b 89	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a	0625 0625 56b 818.309375 863.309375 7 9375 9375 57b	818.1 863.1 66a 818.178125 863.178125 6 818.1 863.1 863.1 863.1	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 863.0 77a	25625 25625 76b 818.059375 863.059375 7 94375 94375 77b	817.9 862.9 86a 817.928125 862.928125 8 817.9 862.9 817.9 862.9 87a	3125 3125 86b 817.934375 862.934375 7 1875 1875 87b	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a	06625 96b 817.809375 862.809375 7 9375 9375 97b
Base Rx 818.28125 818.15625 818.03125 817.90625 817.78125 Base Tx 863.28125 863.15625 863.03125 862.9025 862.78125 Ch. No. 58a 58b 68a 68b 78a 78b 88a 88b 98a 98b Base Rx 818.278125 818.284375 818.153125 818.159375 818.028125 818.034375 817.903125 817.909375 817.778125 817.784375 Base Tx 863.278125 863.284375 863.153125 863.159375 863.028125 863.034375 862.903125 862.778125 <t< th=""><th>Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx</th><th>863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625</th><th>0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875</th><th>818.1 863.1 66a 818.178125 6 818.178125 6 818.1 863.1 67a 818.165625</th><th>8125 8125 66b 818.184375 863.184375 7 .6875 .6875 .67b 818.171875</th><th>818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 863.0 77a 818.040625</th><th>25625 25625 76b 818.059375 863.059375 7 24375 24375 24375 77b 818.046875</th><th>817.92 86a 817.928125 862.928125 862.928125 88 817.9 862.9 87a 817.915625</th><th>3125 3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875</th><th>817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625</th><th>06625 96b 817.809375 862.809375 7 9375 9375 97b 817.796875</th></t<>	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875	818.1 863.1 66a 818.178125 6 818.178125 6 818.1 863.1 67a 818.165625	8125 8125 66b 818.184375 863.184375 7 .6875 .6875 .67b 818.171875	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 863.0 77a 818.040625	25625 25625 76b 818.059375 863.059375 7 24375 24375 24375 77b 818.046875	817.92 86a 817.928125 862.928125 862.928125 88 817.9 862.9 87a 817.915625	3125 3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625	06625 96b 817.809375 862.809375 7 9375 9375 97b 817.796875
Base Tx 863.2125 863.3125 862.9025 862.7125 Ch. No. $58a$ $58b$ $68a$ $68b$ $78a$ $78b$ $88a$ $88b$ $98a$ $98b$ Base Rx 818.278125 818.284375 818.153125 818.159375 818.028125 818.034375 817.903125 817.90375 817.778125 817.784375 Base Tx 863.278125 863.153125 863.159375 863.028125 863.034375 862.903125 862.90375 862.778125 862.784375 Base Tx 863.278125 863.153125 863.159375 863.028125 863.034375 862.903125 862.90375 862.778125 862.784375 Base Tx 863.278125 863.153125 863.159375 863.028125 817.75757 8817.78757 817.78757 817.787575 817.787575 817.787575 817.787575 817.787575 817.787575 817.787575 817.787575 817.787575 817.787575 817.7787575 817.7787575 817.7787575	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875	818.1 863.1 66a 818.178125 6 818.178125 6 818.1 863.1 67a 818.165625 863.165625	8125 8125 66b 818.184375 863.184375 7 .6875 .6875 67b 818.171875 863.171875	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625	25625 25625 76b 818.059375 863.059375 7 24375 24375 24375 77b 818.046875 863.046875	817.92 86a 817.928125 862.928125 862.928125 8817.9 862.9 87a 817.915625 862.915625	3125 3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625	06625 96b 817.809375 862.809375 7 9375 9375 97b 817.796875 862.796875
Ch. No. 58a 58b 68a 68b 78a 78b 88a 88b 98a 98b Base Rx 818.278125 818.284375 818.153125 818.159375 818.028125 818.034375 817.903125 817.778125 817.778125 817.778125 817.778125 817.778125 817.778125 817.778125 817.778125 817.778125 862.784375 Base Tx 863.278125 863.284375 863.153125 863.159375 863.028125 863.034375 862.903125 862.909375 862.778125 862.784375 Base Tx 863.28875 818.14375 818.01875 817.89375 817.76875 Base Tx 863.26875 863.14375 863.01875 862.89375 862.76875 Base Tx 863.26875 863.14375 818.015625 817.890625 817.896875 817.76875 Base Tx 863.265625 818.271875 818.146875 818.015625 818.021875 817.890625 817.896875 817.765625 817.771875 Base Tx 863.265625 818.271875 863.146875 863.015625 818.021875 862.890625 817.896875 </th <th>Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No.</th> <th>863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5</th> <th>0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8</th> <th>818.1 863.1 66a 818.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6</th> <th>8125 8125 66b 818.184375 863.184375 7 6875 675 818.171875 863.171875 8</th> <th>818.0 863.0 76a 818.053125 7 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7</th> <th>55625 55625 76b 818.059375 863.059375 7 04375 04375 77b 818.046875 863.046875 8</th> <th>817.92 86a 817.928125 862.928125 862.928125 8817.9 862.9 87a 817.915625 862.915625 862.915625 8</th> <th>3125 3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 8</th> <th>817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 99</th> <th>06625 96b 817.809375 862.809375 7 9375 9375 97b 817.796875 862.796875 8</th>	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No.	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8	818.1 863.1 66a 818.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6	8125 8125 66b 818.184375 863.184375 7 6875 675 818.171875 863.171875 8	818.0 863.0 76a 818.053125 7 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7	55625 55625 76b 818.059375 863.059375 7 04375 04375 77b 818.046875 863.046875 8	817.92 86a 817.928125 862.928125 862.928125 8817.9 862.9 87a 817.915625 862.915625 862.915625 8	3125 3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 8	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 99	06625 96b 817.809375 862.809375 7 9375 9375 97b 817.796875 862.796875 8
Base Rx 818.278125 818.284375 818.153125 818.159375 818.028125 817.903125 817.909375 817.778125 817.784375 Base Tx 863.278125 863.284375 863.153125 863.159375 863.028125 863.034375 862.903125 862.909375 862.778125 817.784375 Base Tx 863.278125 863.284375 863.153125 863.159375 863.028125 863.034375 862.903125 862.909375 862.778125 862.784375 Base Rx 818.26875 818.14375 818.01875 818.75 817.7575 863.757 863.755 863.757 863.755 863.757 863.757 863.757 863.757 863.757 863.757 863.757 863.757 863.757 863.757 863.757 863.757 863.757 863.757 863.7777 863.757 863.777777 863.777777777777777777777777777777777777	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5 863.290625 5 863.290625	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 83.296875 8	818.1 863.1 66a 818.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6 818.1	8125 8125 66b 818.184375 863.184375 7 6875 675 818.171875 863.171875 8 5625	818.0 863.0 76a 818.053125 7 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 863.040625	25625 25625 76b 818.059375 863.059375 7 04375 04375 77b 818.046875 863.046875 863.046875 8 3125	817.92 86a 817.928125 862.928125 862.928125 887a 817.915625 862.915625 862.915625 887.915625	3125 3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 8 80625	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 9 817.7	06625 96b 817.809375 862.809375 7 9375 9375 97b 817.796875 862.796875 8 82.796875 8
Base Tx 863.278125 863.284375 863.153125 863.159375 863.028125 862.9093125 862.909375 862.778125 862.784375 Ch. No. 5y 6y 7y 817.5 817.75 817.75 817.75 817.771875 817.771875 818.255 818.140625 818.146875 818.015625 818.021875 817.890625 817.896875 817.771875 863.271875 863.140625 863.146875 863.015625 863.021875 862.890625 862.896875 862.776525 862.771875 Base Tx 863.25625 863.140625 863.146875 863.015625 863.021875 862.890625 862.896875	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5 818.2 863.2 863.2 863.2	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 8125 8125	818.1 863.1 66a 818.178125 6 818.178125 6 818.1 863.1 67a 818.165625 863.165625 6 818.1 863.1 863.1	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 5625	818.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 7 818.0 863.040625 863.040625	55625 76b 818.059375 863.059375 7 04375 04375 77 04375 818.046875 863.046875 8 863.046875 8 3125 33125	817.92 862.9 86a 817.928125 862.928125 862.928125 862.9 87a 817.915625 862.915625 862.915625 88 817.9 862.9 862.9 862.9	3125 3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 8 0625 0625	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 9 817.7 862.7	06625 96b 817.809375 862.809375 7 '9375 975 975 817.796875 862.796875 8 862.796875 8 '8125
Ch. No. 59 69 79 89 99 Base Rx 818.26875 818.14375 818.01875 817.89375 817.76875 Base Tx 863.26875 863.14375 863.01875 862.89375 862.76875 Base Tx 863.26875 863.14375 863.01875 862.89375 862.76875 Ch. No. 59a 59b 69a 69b 79a 79b 89a 89b 99a 99b Base Rx 818.265625 818.271875 818.140625 818.146875 818.015625 818.021875 817.890625 817.896875 817.775625 817.771875 Base Tx 863.265625 863.271875 863.140625 863.015625 863.021875 862.890625 862.896875 862.765625 862.771875 Base Tx 863.25625 863.140625 863.015625 863.021875 862.890625 862.896875 862.775525 Base Rx 818.25625 818.13125 818.00625 817.88125 817.75625 Base Tx 863.25625 863.13125 863.00625 862.88125 862.75625 Base Tx	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5 863.290625 5 818.2 863.2 863.2 863.2 863.2 863.2	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 8125 8125 8125 58b	818.1 863.1 66a 818.178125 66 818.1 863.1 67a 818.165625 863.165625 66 818.1 863.1 863.1 863.1	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 5625 68b	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 863.040625 7 818.0 863.0 863.0 78a	25625 25625 76b 818.059375 863.059375 7 24375 24375 24375 77b 818.046875 863.046875 863.046875 8 3125 3125 78b	817.92 86a 817.928125 862.928125 862.928125 862.928125 862.928125 862.915625 862.915625 862.915625 862.915625 882 817.9 862.9 883	3125 3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 8 0625 0625 88b	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 862.790625 9 817.7 862.7 98a	06625 96b 817.809375 862.809375 7 '9375 97b 817.796875 862.796875 8 82.796875 8 '8125 '8125 '8125 '98b
Base Rx 818.26875 818.14375 818.01875 817.89375 817.76875 Base Tx 863.26875 863.14375 863.01875 862.89375 862.76875 Ch. No. 59a 59b 69a 69b 79a 79b 89a 89b 99a 99b Base Rx 818.265625 818.271875 818.140625 818.146875 818.015625 818.021875 817.890625 817.896875 817.765625 817.771875 Base Tx 863.265625 863.271875 863.140625 863.146875 863.015625 818.021875 817.890625 817.896875 817.765625 817.771875 Base Tx 863.265625 863.140625 863.146875 863.015625 863.021875 862.890625 862.896875 862.765625 862.771875 Base Tx 863.25625 818.13125 818.00625 817.88125 817.75625 817.75625 Base Tx 863.25625 863.13125 863.00625 862.88125 862.75625 862.75625 Base Tx 818.253125 8	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5 818.2 863.2 55a 818.2 863.2 875	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 8125 8125 8125 8125 58b 818.284375	818.1 863.1 66a 818.178125 66 818.1 863.1 67a 818.165625 863.165625 66 818.1 863.1 863.1 863.1 863.1 863.1 863.1	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 5625 68b 818.159375	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 863.040625 7 818.026125	55625 55625 76b 818.059375 863.059375 7 04375 04375 77 04375 77 818.046875 863.046875 8 3125 3125 3125 78b 818.034375	817.92 862.9 863 817.928125 862.928125 8873 817.915625 862.915625 862.915625 883 817.9 862.9 862.9 817.9 862.9 883 817.93125	3125 3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 8 0625 0625 88b 817.909375	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 862.790625 9 817.7 862.7 98a 817.778125	06625 96b 817.809375 862.809375 7 '9375 97b 817.796875 862.796875 8 82.796875 8 '8125 '8125 '8125 '98b 817.784375
Base Tx 863.26875 863.14375 863.01875 862.89375 862.76875 Ch. No. 59a 59b 69a 69b 79a 79b 89a 89b 99a 99b Base Rx 818.265625 818.271875 818.140625 818.146875 818.015625 818.021875 817.890625 817.896875 817.765625 817.771875 Base Tx 863.265625 863.271875 863.140625 863.015625 863.021875 862.890625 862.896875 862.765625 862.771875 Base Tx 863.265625 863.140625 863.146875 863.015625 863.021875 862.890625 862.896875 862.765625 862.771875 Base Tx 863.25525 818.13125 818.00525 817.82125 817.75525 817.75525 Base Tx 863.25625 863.13125 863.00255 817.82125 817.75625 817.75625 Base Tx 863.25625 863.13125 863.00255 817.82125 816.2552 862.75625 Base Tx 818.253125 818	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5 818.2 863.2 863.2 863.2 58a 818.278125 863.278125	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 8125 8125 8125 58b 818.284375 863.284375	818.1 863.1 863.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6 818.1 863.1 863.1 863.1 863.1 863.1 818.53125 863.153125	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 8 5625 5625 68b 818.159375 863.159375	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 863.040625 7 818.0 863.0 863.0 863.0 863.0 818.028125 863.028125	55625 76b 818.059375 863.059375 7 04375 04375 77 04375 77 818.046875 863.046875 8 83125 3125 3125 78b 818.034375 863.034375	817.92 862.9 863 817.928125 862.928125 862.928125 862.928125 862.9 87a 817.915625 862.915625 882 817.9 862.9 883 817.93125 862.903125	3125 3125 86b 817.934375 862.934375 7 1875 87b 817.921875 862.921875 8 0625 0625 88b 817.909375 862.909375	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125	06625 96b 817.809375 862.809375 7 9375 97b 817.796875 862.796875 8 8125 88125 98b 817.784375 862.784375
Ch. No. 59a 59b 69a 69b 79a 79b 89a 89b 99a 99b Base Rx 818.265625 818.271875 818.140625 818.146875 818.015625 818.021875 817.890625 817.765625 817.771875 Base Tx 863.265625 863.271875 863.140625 863.015625 863.021875 862.890625 862.896875 862.775625 862.771875 Base Tx 863.265625 863.271875 863.140625 863.015625 863.021875 862.890625 862.896875 862.775625 862.771875 Base Rx 818.25625 818.13125 818.00625 817.88125 817.75625 Base Tx 863.25625 863.13125 863.00625 862.88125 862.75625 Base Tx 863.25625 863.13125 863.00625 862.88125 862.75625 Base Tx 863.25625 863.13125 803.00625 862.88125 862.75625 Base Tx 818.253125 818.128125 818.03125 810.00375 817.878125 8	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5 818.2 863.2 863.2 58a 818.278125 863.278125 5 5	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 8125 88125 58b 8125 58b 818.284375 9	818.1 863.1 66a 818.178125 66 818.1 863.1 67a 818.165625 863.165625 66 818.1 863.1 68a 818.153125 863.153125 66	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 8 5625 5625 68b 818.159375 8 9	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 863.040625 7 818.0 863.0 863.0 863.0 78a 818.028125 863.028125 7	55625 76b 818.059375 863.059375 7 04375 04375 77b 818.046875 863.046875 863.046875 8 03125 03125 78b 818.034375 863.034375 9	817.92 862.9 863 817.928125 862.928125 862.928125 862.93 873 817.915625 862.915625 883 817.9 862.9 862.9 883 817.93125 862.903125 862.903125 862.903125	3125 3125 86b 817.934375 862.934375 7 1875 87b 817.921875 862.921875 8 0625 0625 88b 817.909375 862.909375 9	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 9	06625 96b 817.809375 862.809375 7 9375 97b 817.796875 862.796875 8 8 8125 98b 8125 98b 817.784375 862.784375 98b
Base Rx 818.265625 818.271875 818.140625 818.146875 818.015625 817.890625 817.890625 817.896875 817.765625 817.771875 Base Tx 863.265625 863.271875 863.140625 863.015625 863.015625 863.021875 862.890625 862.896875 862.765625 862.771875 Base Rx 818.25625 818.13125 818.00625 817.88125 817.75625 817.75625 Base Tx 863.25625 818.13125 818.00625 817.88125 817.75625 817.75625 Base Tx 863.25625 863.13125 803.00625 817.88125 817.75625 862.75625 862.75625 Base Tx 863.25625 863.13125 803.00625 817.88125 817.75625 817.75625 Base Rx 818.253125 818.128125 818.134375 818.003125 810.00325 817.878125 817.753125 817.7593125 817.7593125 817.7593125 817.7593125 817.7593125 817.7593125 817.7593125 817.7593125 817.7593125 817.7593125	Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5 818.2 863.2 863.2 58a 818.278125 863.278125 5 863.278125 5 863.278125 863.278125	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 8 8125 8125 8125 58b 818.284375 863.284375 9 9	818.1 863.1 863.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6 818.1 863.1 863.1 863.1 863.1 68a 818.153125 863.153125 6 818.1	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 8 5625 5625 68b 818.159375 863.159375 9 4375	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 863.040625 7 818.0 863.0 863.0 78a 818.028125 863.028125 7 818.028125 863.028125	55625 76b 818.059375 863.059375 7 04375 04375 77 04375 77 04375 77 818.046875 863.046875 8 3125 3125 3125 3125 3125 818.034375 863.034375 9 9 1875	817.92 862.9 863 817.928125 862.928125 862.928125 862.928125 862.9 87a 817.915625 862.915625 883 817.9 862.9 883 817.93125 862.903125 862.903125 862.903125	3125 86b 817.934375 862.934375 7 1875 87b 87b 817.921875 862.921875 8 0625 0625 88b 817.909375 9 9375	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 9 817.7	06625 96b 817.809375 862.809375 7 9375 97b 817.796875 862.796875 8 8125 98b 817.784375 862.784375 9 9
Base Tx 863.265625 863.271875 863.140625 863.146875 863.015625 863.021875 862.890625 862.896875 862.765625 862.771875 Ch. No. Go O O O Signature Sig	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5 818.2 863.2 58a 818.278125 863.278125 5 863.278125 5 863.278125 863.278125 5 863.278125 863.2785	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 8125 8125 58b 8125 58b 818.284375 9 66875 66875	818.1 863.1 866a 818.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6 818.1 863.1 863.1 68a 818.153125 863.153125 6 818.1 863	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 68b 818.159375 863.159375 9 4375 4375	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 863.040625 7 818.0 863.0 863.0 78a 818.028125 863.028125 7 818.0 818.0 863.0 818.0 863.0 818.0 863.0 818.0 863.0	55625 76b 818.059375 863.059375 7 04375 04375 77 04375 77 04375 77 818.046875 863.046875 8 3125 3125 3125 3125 3125 818.034375 863.034375 9 01875	817.92 862.9 863 817.928125 862.928125 862.928125 862.928125 862.9 87a 817.915625 862.915625 883 817.9 862.9 883 817.9 862.9 883 817.903125 862.903125 862.903125 862.8	3125 3125 86b 817.934375 862.934375 7 1875 87b 817.921875 862.921875 8 0625 0625 88b 817.909375 9 9375 9375	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 9 817.7 862.7	06625 96b 817.809375 862.809375 7 9375 97b 817.796875 862.796875 8 8125 98b 817.784375 862.784375 99 66875
Ch. No. 60 70 80 90 100 Base Rx 818.25625 818.13125 818.00625 817.88125 817.75625 Base Tx 863.25625 863.13125 863.00625 862.88125 862.75625 Ch. No. 60a 60b 70a 70b 80a 80b 90a 90b 100a 100b Base Rx 818.253125 818.128125 818.134375 818.003125 817.878125 817.753125 817.759375	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 5 818.2 863.2 57a 818.290625 863.290625 5 818.2 863.2 863.2 58a 818.278125 863.278125 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 5 863.278125 863.2785	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 8125 8125 8125 8125 8125 818.284375 863.284375 9 66875 59b	818.1 863.1 866a 818.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6 818.1 863.1 863.1 68a 818.153125 863.153125 6 818.1 863.1 69a	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 68b 818.159375 863.159375 9 4375 4375 69b	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 863.040625 7 818.028125 863.028125 863.028125 7 818.028125 863.028125 7 818.0 863.0 79a	55625 76b 818.059375 863.059375 7 04375 04375 04375 77b 818.046875 863.046875 863.046875 8 03125 03125 78b 818.034375 863.034375 9 01875 19 1875 79b	817.92 862.9 863 817.928125 862.928125 862.928125 862.928125 862.915625 862.915625 862.915625 862.915625 883 817.903125 862.903125 862.903125 862.903125 862.903125 862.883 817.8	3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 8 0625 0625 88b 817.909375 862.909375 9 9375 9375 89b	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 9 817.7 862.7 99a	06625 96b 817.809375 862.809375 7 9375 97b 817.796875 862.796875 8 8125 98b 817.784375 862.784375 9 9 6875 6875 99b
Base Rx 818.25625 818.13125 818.0625 817.88125 817.75625 Base Tx 863.25625 863.13125 863.0625 862.88125 862.75625 Ch. No. 60a 60b 70a 70b 80a 80b 90a 90b 100a 100b Base Rx 818.253125 818.259375 818.128125 818.134375 818.003125 818.809375 817.878125 817.753125 817.759375	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 5 818.303125 863.303125 57a 818.290625 863.290625 5 818.29863.2 58a 818.278125 863.278125 5 818.278125 5 818.278125 59a 818.265625	0625 56b 818.309375 863.309375 7 9375 9375 9375 818.296875 863.296875 8 8125 88125 58b 81825 58b 81824375 9 6875 6875 59b 818.271875	818.1 863.1 863.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6 818.1 863.1 863.1 68a 818.153125 863.153125 6 818.1 863.1 86	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 68b 818.159375 863.159375 9 4375 4375 69b 818.146875	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 7 818.0 863.0 78a 818.028125 863.028125 7 818.0 863.0 79a 818.015625	55625 76b 818.059375 863.059375 7 04375 04375 04375 77b 818.046875 863.046875 863.046875 8 03125 03125 78b 818.034375 9 01875 9 01875 79b 818.021875	817.92 862.9 863 817.928125 862.928125 862.928125 862.928125 862.915625 862.915625 862.915625 883 817.9 862.9 883 817.903125 862.903125 862.903125 862.903125 862.903125 862.903125 883 817.890625	3125 3125 86b 817.934375 862.934375 7 1875 87b 87b 817.921875 862.921875 8 0625 0625 88b 817.909375 862.909375 9 9375 99 9375 89b 817.896875	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 9 817.7 862.7 99a 817.765625	06625 96b 817.809375 862.809375 7 9375 97b 817.796875 862.796875 8 8 8125 98b 817.784375 9 98b 817.784375 9 66875 6875 99b 817.771875
Base Tx 863.25625 863.125 863.0625 862.8125 862.75625 Ch. No. 60a 60b 70a 70b 80a 80b 90a 90b 100a 100b Base Rx 818.253125 818.259375 818.128125 818.134375 818.003125 818.009375 817.878125 817.753125 817.759375	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 863.303125 863.203125 863.2 818.290625 863.290625 863.290625 818.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.265625 863.265625 863.265625 863.265625	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 8125 88125 58b 818.284375 9 6875 58b 818.284375 9 6875 59b 818.271875 863.271875	818.1 863.1 866a 818.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6 818.1 863.1	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 68b 818.159375 863.159375 9 4375 69b 818.146875 863.146875	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 863.040625 7 818.028125 863.028125 863.028125 7 818.0 863.0 79a 818.015625 863.015625	25625 76b 818.059375 863.059375 7 04375 04375 77 04375 77 04375 77 04375 77 818.046875 863.046875 863.046875 78 03125 78 03125 78 03125 78 03125 9 01875 9 01875 9 01875 79 01875 863.021875 863.021875	817.92 862.9 863 817.928125 862.928125 862.928125 862.915625 862.915625 862.915625 883 817.903125 862.903125 862.903125 862.903125 862.903125 862.803125 862.903125 862.803125 8	3125 86b 817.934375 862.934375 7 1875 87b 87b 817.921875 862.921875 8 0625 0625 88b 817.909375 862.909375 9 9375 9 9375 89b 817.896875 862.896875	817.8 862.8 96a 817.803125 862.803125 9 862.790625 862.790625 862.790625 9 817.79625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 862.778125 862.765625 862.765625	0625 96b 817.809375 862.809375 7 9375 9375 97b 817.796875 862.796875 8 8 8 8 8 8 8 8 125 98b 817.784375 9 862.784375 9 66875 9 66875 99b 817.771875 862.771875
Ch. No. 60a 60b 70a 70b 80a 80b 90a 90b 100a 100b Base Rx 818.253125 818.259375 818.128125 818.134375 818.003125 818.009375 817.878125 817.884375 817.759375	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 863.303125 863.203125 863.2 57a 818.290625 863.290625 57a 818.290625 58a 818.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.265625 863.265625 863.265625 863.265625 863.265625	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 818.296875 8 8125 58b 818.284375 9 6875 58b 818.284375 9 6875 59b 818.271875 863.271875 0	818.1 66a 818.178125 863.178125 66 818.1 863.1 67a 818.165625 863.165625 66 818.1 863.1 863.1 863.1 68a 818.153125 863.153125 66 818.1 863.1 863.1 863.1 863.1 863.1 7	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 68b 818.159375 9 4375 4375 69b 818.146875 863.146875 0	818.0 863.0 76a 818.053125 863.053125 7 863.053125 7 818.040625 863.040625 7 818.040625 863.040625 7 818.028125 863.028125 863.028125 7 818.028125 863.0285 863.0285 863.0285 863.0285 863.0285 863.02	25625 76b 818.059375 863.059375 7 04375 04375 77 04375 77 04375 77 04375 77 04375 77 04375 77 863.046875 863.046875 863.046875 78 03125 79 03125 79 863.021875 79 863.021875 79 863.021875 79 863.021875 79 863.021875 79 863.021875 79 863.021875 79 863.021875 79 863.021875 79 863.021875 863.021875 863.021875 79 863.021875 875 875 875 875 875 875 875 875 875	817.92 862.9 863 817.928125 862.928125 862.928125 862.915625 862.915625 862.915625 883 817.903125 862.903125 862.903125 862.903125 862.803125 883 817.8 862.8 817.8 862.8 893 817.890625 862.890625 9	3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 8 0625 0625 88b 817.909375 9 9375 99 9375 89b 817.896875 862.896875 00	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 862.778125 862.778125 862.765625 862.765625 862.765625	0625 96b 817.809375 862.809375 7 9375 97b 817.796875 862.796875 8 8 8 8 8 8 8 8 125 98b 817.784375 9 862.784375 9 66875 9 66875 9 9 66875 9 9 6875 5 99b 817.771875 862.771875
Base Rx 818.253125 818.259375 818.128125 818.134375 818.003125 818.009375 817.878125 817.884375 817.753125 817.759375	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 863.303125 863.203125 863.2 818.290625 863.290625 863.290625 863.290625 863.290625 863.290625 863.290625 863.290625 863.290625 863.290625 863.290625 863.290625 863.290625 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 818.296875 8 8125 58b 818.284375 9 6875 58b 818.284375 9 6875 59b 818.271875 863.271875 863.271875 0 5525	818.1 863.1 863.178125 863.178125 863.178125 6 818.1 863.1 67a 818.165625 863.165625 6 818.1 863.1 863.1 863.1 863.1 863.1 863.1 863.1 863.1 863.1 863.1 863.1 7 818.140625 863.1406 863.1406 863.1406 863.1406 863.1406 863.1406 863.1406 86	8125 8125 863.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 68b 818.159375 9 4375 69b 818.146875 863.146875 0 3125	818.0 863.0 76a 818.053125 863.053125 7 818.0 863.0 77a 818.040625 863.040625 7 818.040625 7 818.028125 863.028125 863.028125 7 818.0 863.0 79a 818.015625 863.015625 863.015625 88 818.025	25625 76b 818.059375 863.059375 7 04375 04375 04375 77b 818.046875 863.046875 863.046875 863.046875 78b 818.046875 78b 818.046875 9 03125 78b 818.034375 9 01875 9 01875 79b 818.021875 863.021875 863.021875 863.021875	817.92 862.9 863 817.928125 862.928125 862.928125 862.928125 862.915625 862.915625 862.915625 883 817.9 862.9 883 817.903125 862.903125 862.903125 862.903125 862.903125 862.903125 862.903125 862.890625 893 817.890625 862.890625 99 817.8	3125 86b 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 8 0625 0625 88b 817.909375 862.909375 9 9375 9 9375 89b 817.896875 862.896875 0 8125	817.8 862.8 96a 817.803125 862.803125 9 862.790625 862.790625 862.790625 9 817.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 862.778125 862.778125 862.765625 862.765625 862.765625	0625 96b 817.809375 862.809375 7 9375 97b 817.796875 862.796875 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 863.303125 863.203125 863.2 57a 818.290625 863.290625 57a 818.290625 573 818.290625 58a 818.278125 863.278125 863.278125 59a 818.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.275625	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 8125 88125 88125 58b 818.284375 9 6875 58b 818.284375 9 6875 59b 818.271875 863.271875 863.271875 0 55625	818.1 66a 818.178125 863.178125 66 818.1 863.1 67a 818.165625 863.165625 66 818.1 863.1 863.1 863.1 863.1 818.153125 863.153125 863.153125 863.14065 863.14065 863.14	8125 8125 66b 818.184375 863.184375 7 6875 67b 818.171875 863.171875 863.171875 863.171875 863.171875 863.159375 9 4375 69b 818.146875 863.146875 0 3125 3125	818.0 863.0 76a 818.053125 863.053125 7 818.040625 863.040625 863.040625 7 818.040625 863.040625 7 818.028125 863.028125 7 818.028125 863.028125 7 818.0 863.0 79a 818.015625 863.015625 88 818.0 863.0	25625 25625 76b 818.059375 863.059375 7 24375 7 24375 77b 818.046875 863.046875 863.046875 863.046875 78 03125 78b 818.034375 9 01875 9 01875 79b 818.021875 863.021875 863.021875 30 00625 00625	817.928125 86a 817.928125 862.928125 862.928125 862.928125 862.928125 862.915625 862.915625 862.915625 862.915625 862.903125 862.903125 862.903125 862.903125 862.890625 889a 817.890625 862.890625 99 817.8 862.8	3125 865 817.934375 862.934375 7 1875 1875 87b 817.921875 862.921875 862.921875 862.921875 80625 0625 88b 817.909375 9 9375 9 9375 9 9375 89b 817.896875 862.896875 0 8125 8125	817.8 862.8 96a 817.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 862.7 99a 817.765625 862.765625 862.765625 10 817.7 862.7	00625 00625 00625 96b 817.809375 862.809375 7 9375 97b 817.796875 862.796875 8 78125 98b 817.784375 862.784375 9 76875 9 76875 99b 817.771875 862.771875 862.771875 905 817.771875 862.771875
Base Tx 863.253125 863.259375 863.128125 863.134375 863.003125 863.009375 862.878125 862.884375 862.753125 862.759375	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 863.303125 863.203125 863.2 57a 818.290625 863.290625 573 818.290625 863.290625 58a 818.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.265625 863.26602	0625 56b 818.309375 863.309375 7 9375 9375 57b 818.296875 863.296875 8 818.296875 8 8125 58b 818.284375 9 6875 58b 818.284375 9 6875 59b 818.271875 863.271875 863.271875 0 55625 59b	818.1 66a 818.178125 863.178125 66 818.1 863.1 67a 818.165625 863.165625 66 818.1 863.1 863.1 863.1 863.1 863.1 863.1 863.1 863.1 92a 818.140625 863.14065 863.14065 863.14065 863.14065	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 863.171875 863.171875 68b 818.159375 9 4375 69b 818.146875 863.146875 0 3125 3125 70b	818.0 863.0 76a 818.053125 863.053125 7 818.040625 863.040625 863.040625 7 818.040625 863.040625 7 818.028125 863.028125 7 818.028125 7 818.028125 863.0281	55625 5625 76b 818.059375 863.059375 7 04375 04375 77 04375 77 04375 77 818.046875 863.046875 863.046875 8 03125 78b 818.034375 9 01875 9 01875 9 01875 9 01875 863.021875 865.021875 865.021875	817.92 862.9 863 817.928125 862.928125 862.928125 862.915625 862.915625 862.915625 862.915625 883 817.903125 862.903125 862.903125 862.8903 817.8 862.8 893 817.890625 862.890625 99 817.8 862.8	3125 86b 817.934375 862.934375 7 1875 87b 87b 817.921875 862.921875 862.921875 8 0625 0625 88b 817.909375 9 9375 9 9375 89b 817.896875 862.896875 0 8125 8125 90b	817.80 96a 817.803125 862.803125 862.803125 9 817.7 862.7 97a 817.790625 862.790625 862.790625 9 817.7 862.7 98a 817.778125 862.778125 862.778125 862.7 99a 817.765625 862.765625 862.765625 100a	00625 00625 96b 817.809375 862.809375 7 9375 9375 97b 817.796875 862.796875 8 78125 98b 817.784375 862.784375 9 76875 9 76875 99b 817.771875 862.771875 862.771875 925625 100b
	Base Tx Ch. No. Base Rx Base Tx Ch. No.	863.3 56a 818.303125 863.303125 863.303125 863.203125 863.2 57a 818.290625 863.290625 573 818.290625 863.290625 58a 818.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.278125 863.265625 863.265625 863.265625 863.265625 863.265625 863.26602 818.26602 818.253125	0625 56b 818.309375 863.309375 7 9375 57b 818.296875 863.296875 8 818.296875 8 818.296875 8 818.296875 8 818.296875 8 818.284375 9 6875 59b 818.271875 863.271875 863.271875 863.271875 0 5625 59b 818.271875	818.1 66a 818.178125 863.178125 66 818.1 863.1 67a 818.165625 863.165625 66 818.1 863.1 68a 818.153125 863.153125 863.153125 863.14066 863.14066 863.14066 863.14066 863.14066 863.14066 86	8125 8125 66b 818.184375 863.184375 7 6875 6875 67b 818.171875 863.171875 8 5625 68b 818.159375 863.159375 9 4375 69b 818.146875 863.146875 0 3125 3125 70b 818.134375	818.0 863.0 76a 818.053125 863.053125 7 818.040625 863.040625 863.040625 7 818.040625 863.040625 7 818.028125 863.028125 7 818.028125 863.028125 7 818.028125 863.015655 863.0156	25625 25625 76b 818.059375 863.059375 7 24375 7 24375 77b 818.046875 863.046875 863.046875 863.046875 863.034375 9 0125 78b 818.034375 9 01875 9 01875 79b 818.021875 863.021875 865.021875 865.021875 865.021875 865.021	817.928125 86a 817.928125 862.928125 862.928125 862.928125 862.928125 862.915625 862.915625 862.915625 862.903125 862.903125 862.903125 862.903125 862.890625 89a 817.890625 862.890625 99 817.8 862.8 90a 817.878125	3125 3125 86b 817.934375 862.934375 7 1875 87b 87b 817.921875 862.921875 862.921875 8 0625 0625 88b 817.909375 9375 9375 9375 9375 862.909375 9375 862.896875 817.896875 8125 8125 90b 817.884375	817.80 96a 817.803125 862.803125 862.803125 9 817.796625 862.790625 862.790625 862.790625 9 817.78125 862.778125 862.778125 862.765625 862.765625 862.765625 100 817.7 862.7 100a 817.753125	00625 00625 96b 817.809375 862.809375 7 9375 9375 97b 817.796875 862.796875 8 78125 98b 817.784375 862.784375 9 76875 9 76875 99b 817.771875 862.771875 862.771875 862.771875 925625 100b 817.759375



Ch. No.	10)1	1	1	12	21	13	1	14	1
Base Rx	817.7		817.6		817.4		817.3		817.2	
Base Tx	862.7		862.6	1875	862.4		862.3	6875	862.2	4375
Ch. No.	101a	101b	111a	111b	121a	121b	131a	131b	141a	141b
Base Rx	817.740625	817.746875	817.615625	817.621875	817.490625	817.496875	817.365625	817.371875	817.240625	817.246875
Base Tx	862.740625	862.746875	862.615625	862.621875	862.490625	862.496875	862.365625	862.371875	862.240625	862.246875
Ch. No.	10)2	11	2	12	22	13	2	14	2
Base Rx	817.7	3125	817.6	0625	817.4	8125	817.3	5625	817.2	3125
Base Tx	862.7		862.6		862.4		862.3		862.2	
Ch. No.	102a	102b	112a	112b	122a	122b	132a	132b	142a	142b
Base Rx	817.728125	817.734375	817.603125	817.609375	817.478125	817.484375	817.353125	817.359375	817.228125	817.234375
Base Tx	862.728125	862.734375	862.603125		862.478125	862.484375	862.353125	862.359375	862.228125	862.234375
Ch. No.	10)3	11	13	12	23	13	3	14	
Base Rx	817.7	1875	817.5	9375	817.4	6875	817.3	4375	817.2	1875
Base Tx	862.7	1875	862.5	9375	862.4	6875	862.3		862.2	1875
Ch. No.	103a	103b	113a	113b	123a	123b	133a	133b	143a	143b
Base Rx	817.715625	817.721875	817.590625	817.596875	817.465625	817.471875	817.340625	817.346875	817.215625	817.221875
Base Tx	862.715625	862.721875	862.590625	862.596875	862.465625	862.471875	862.340625	862.346875	862.215625	862.221875
Ch. No.	10		1:		12		13		14	
Base Rx	817.7	0625	817.5	8125	817.4	5625	817.3	3125	817.2	0625
Base Tx	862.7		862.5		862.4		862.3	3125	862.2	
Ch. No.	104a	104b	114a	114b	124a	124b	134a	134b	144a	144b
Base Rx	817.703125	817.709375	817.578125	817.584375	817.453125	817.459375	817.328125	817.334375	817.203125	817.209375
Base Tx	862.703125	862.709375	862.578125	862.584375	862.453125	862.459375	862.328125	862.334375	862.203125	862.209375
Ch. No.	10)5	11	15	12	25	13	5	14	15
Base Rx	817.6	9375	817.5	6875	817.4	4375	817.3	1875	817.1	9375
Base Tx	862.6	9375	862.5	6875	862.4	4375	862.3	1875	862.1	9375
Ch. No.	105a	105b	115a	115b	125a	125b	135a	135b	145a	145b
Base Rx	817.690625	817.696875	817.565625	817.571875	817.440625	817.446875	817.315625	817.321875	817.190625	817.196875
Base Tx	862.690625	862.696875	862.565625	862.571875	862.440625	862.446875	862.315625	862.321875	862.190625	862.196875
Ch. No.	10)6	1:	L6	12	26	13	6	14	l6
Base Rx	817.6	8125	817.5	5625	817.4	3125	817.3	0625	817.1	8125
Base Tx	862.6	8125	862.5	5625	862.4	3125	862.3	0625	862.1	8125
Ch. No.	106a	106b	116a	116b	126a	126b	136a	136b	146a	146b
Base Rx	817.678125	817.684375	817.553125	817.559375	817.428125	817.434375	817.303125	817.309375	817.178125	817.184375
Base Tx	862.678125	862.684375	862.553125	862.559375	862.428125	862.434375	862.303125	862.309375	862.178125	862.184375
Ch. No.	10)7	11	17	12	27	13	7	14	17
Base Rx	817.6	6875	817.5	4375	817.4	1875	817.2	9375	817.1	6875
Base Tx	862.6	6875	862.5	4375	862.4	1875	862.2	9375	862.1	6875
Ch. No.	107a	107b	117a	117b	127a	127b	137a	137b	147a	147b
Base Rx	817.665625	817.671875	817.540625	817.546875	817.415625	817.421875	817.290625	817.296875	817.165625	817.171875
Base Tx	862.665625	862.671875	862.540625	862.546875	862.415625	862.421875	862.290625	862.296875	862.165625	862.171875
Ch. No.			1.	18	12	28	13	8	14	
)8								FCOF
Base Rx	817.6	5625	817.5	3125	817.4		817.2		817.1	
Base Tx	817.6 862.6	5625 5625	817.5 862.5	3125	862.4	0625	862.2	8125	862.1	5625
Base Tx Ch. No.	817.6 862.6 108a	5625 5625 108b	817.5 862.5 118a	3125 118b	862.4 128a	0625 128b	862.2 138a	8125 138b	862.1 148a	5625 148b
Base Tx Ch. No. Base Rx	817.6 862.6 108a 817.653125	5625 5625 108b 817.659375	817.5 862.5 118a 817.528125	3125 118b 817.534375	862.4 128a 817.403125	0625 128b 817.409375	862.2 138a 817.278125	8125 138b 817.284375	862.1 148a 817.153125	5625 148b 817.159375
Base Tx Ch. No. Base Rx Base Tx	817.6 862.6 108a 817.653125 862.653125	5625 5625 108b 817.659375 862.659375	817.5 862.5 118a 817.528125 862.528125	3125 118b 817.534375 862.534375	862.4 128a 817.403125 862.403125	0625 128b 817.409375 862.409375	862.2 138a 817.278125 862.278125	8125 138b 817.284375 862.284375	862.1 148a 817.153125 862.153125	5625 148b 817.159375 862.159375
Base Tx Ch. No. Base Rx Base Tx Ch. No.	817.6 862.6 108a 817.653125 862.653125 10	5625 5625 108b 817.659375 862.659375 99	817.5 862.5 118a 817.528125 862.528125 11	3125 118b 817.534375 862.534375	862.4 128a 817.403125 862.403125 12	0625 128b 817.409375 862.409375 29	862.2 138a 817.278125 862.278125 13	8125 138b 817.284375 862.284375 9	862.1 148a 817.153125 862.153125 14	5625 148b 817.159375 862.159375
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	817.6 862.6 108a 817.653125 862.653125 10 817.6	5625 5625 108b 817.659375 862.659375 99 4375	817.5 862.5 118a 817.528125 862.528125 12 817.5	3125 118b 817.534375 862.534375 19 1875	862.4 128a 817.403125 862.403125 12 817.3	0625 128b 817.409375 862.409375 29 9375	862.2 138a 817.278125 862.278125 13 817.2	8125 138b 817.284375 862.284375 9 6875	862.1 148a 817.153125 862.153125 14 817.1	5625 148b 817.159375 862.159375 19 4375
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	817.6 862.6 108a 817.653125 862.653125 10 817.6 817.6 862.6	5625 5625 108b 817.659375 862.659375 09 4375 4375	817.5 862.5 118a 817.528125 862.528125 12 817.5 862.5	3125 118b 817.534375 862.534375 19 1875 1875	862.4 128a 817.403125 862.403125 12 817.3 862.3	0625 128b 817.409375 862.409375 29 9375 9375	862.2 138a 817.278125 862.278125 13 817.2 862.2	8125 138b 817.284375 862.284375 9 6875 6875	862.1 148a 817.153125 862.153125 14 817.1 862.1	5625 148b 817.159375 862.159375 19 4375 4375
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Base Tx Ch. No.	817.6 862.6 108a 817.653125 862.653125 10 817.6 862.6 109a	5625 5625 108b 817.659375 862.659375 99 4375 4375 109b	817.5 862.5 118a 817.528125 862.528125 11 817.5 862.5 862.5 862.5 862.5	3125 118b 817.534375 862.534375 19 1875 1875 119b	862.4 128a 817.403125 862.403125 12 817.3 862.3 129a	0625 128b 817.409375 862.409375 29 9375 129b	862.2 138a 817.278125 862.278125 13 817.2 862.2 139a	8125 138b 817.284375 862.284375 9 6875 6875 139b	862.1 148a 817.153125 862.153125 14 817.1 862.1 149a	5625 148b 817.159375 862.159375 19 4375 4375 149b
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	817.6 862.6 108a 817.653125 862.653125 10 817.6 862.6 109a 817.640625	5625 5625 108b 817.659375 862.659375 99 4375 4375 109b 817.646875	817.5 862.5 118a 817.528125 862.528125 11 817.5 862.5 119a 817.515625	3125 118b 817.534375 862.534375 19 1875 1875 119b 817.521875	862.4 128a 817.403125 862.403125 12 817.3 862.3 129a 817.390625	0625 128b 817.409375 862.409375 29 9375 9375 129b 817.396875	862.2 138a 817.278125 862.278125 13 817.2 862.2 139a 817.265625	8125 138b 817.284375 862.284375 9 6875 6875 139b 817.271875	862.1 148a 817.153125 862.153125 14 817.1 862.1 149a 817.140625	5625 148b 817.159375 862.159375 19 4375 4375 149b 817.146875
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	817.6 862.6 108a 817.653125 862.653125 10 817.6 862.6 109a 817.640625 862.640625	5625 108b 817.659375 862.659375 99 4375 4375 109b 817.646875 862.646875	817.5 862.5 118a 817.528125 862.528125 11 817.5 862.5 119a 817.515625 862.515625	3125 118b 817.534375 862.534375 19 1875 11875 119b 817.521875 862.521875	862.4 128a 817.403125 862.403125 12 817.3 862.3 129a 817.390625 862.390625	0625 128b 817.409375 862.409375 29 9375 9375 129b 817.396875 862.396875	862.2 138a 817.278125 862.278125 13 817.2 862.2 139a 817.265625 862.265625	8125 138b 817.284375 862.284375 9 6875 6875 139b 817.271875 862.271875	862.1 148a 817.153125 862.153125 14 817.1 862.1 149a 817.140625 862.140625	5625 148b 817.159375 862.159375 19 4375 4375 149b 817.146875 862.146875
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	817.6 862.6 108a 817.653125 862.653125 10 817.6 862.6 109a 817.640625 862.640625 11	5625 108b 817.659375 862.659375 99 4375 4375 109b 817.646875 862.646875	817.5 862.5 118a 817.528125 862.528125 11 817.5 862.5 119a 817.515625 862.515625 11	3125 118b 817.534375 862.534375 19 1875 11875 119b 817.521875 862.521875 20	862.4 128a 817.403125 862.403125 12 817.3 862.3 129a 817.390625 862.390625 13	0625 128b 817.409375 862.409375 29 9375 9375 129b 817.396875 862.396875 30	862.2 138a 817.278125 862.278125 13 817.2 862.2 139a 817.265625 862.265625 862.265625	8125 138b 817.284375 862.284375 9 6875 6875 139b 817.271875 862.271875 0	862.1 148a 817.153125 862.153125 14 817.1 862.1 149a 817.140625 862.140625	5625 148b 817.159375 862.159375 19 4375 1495 817.146875 862.146875 50
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	817.6 862.6 108a 817.653125 862.653125 10 817.6 862.6 109a 817.640625 862.640625 11 817.6	5625 108b 817.659375 862.659375 99 4375 4375 109b 817.646875 862.646875 10 3125	817.5 862.5 118a 817.528125 862.528125 11 817.5 862.5 119a 817.515625 862.515625 12 817.5	3125 118b 817.534375 862.534375 19 1875 11875 119b 817.521875 862.521875 20 0625	862.4 128a 817.403125 862.403125 12 817.3 862.3 129a 817.390625 862.390625 13 862.390625 13 817.3	0625 128b 817.409375 862.409375 29 9375 129b 817.396875 862.396875 30 8125	862.2 138a 817.278125 862.278125 13 817.2 862.2 139a 817.265625 862.265625 862.265625 14 817.2	8125 138b 817.284375 862.284375 9 6875 6875 139b 817.271875 862.271875 0 5625	862.1 148a 817.153125 862.153125 14 817.1 862.1 149a 817.140625 862.140625 15 862.140625 817.1	5625 148b 817.159375 862.159375 19 4375 1495 817.146875 862.146875 50 3125
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	817.6 862.6 108a 817.653125 862.653125 10 817.6 862.6 109a 817.640625 862.640625 11 817.6 862.6 862.6 862.6	5625 108b 817.659375 862.659375 99 4375 4375 109b 817.646875 862.646875 10 3125 3125	817.5 862.5 118a 817.528125 862.528125 119a 817.515625 862.515625 11 817.5 862.515625 12 817.5 862.5	3125 118b 817.534375 862.534375 19 1875 11875 119b 817.521875 862.521875 20 0625 0625	862.4 128a 817.403125 862.403125 12 817.3 862.3 129a 817.390625 862.390625 13 817.3 817.3 817.3 817.3 817.3	0625 128b 817.409375 862.409375 29 9375 129b 817.396875 862.396875 30 8125 8125	862.2 138a 817.278125 862.278125 13 817.2 862.2 139a 817.265625 862.265625 14 817.2 862.2	8125 138b 817.284375 862.284375 9 6875 139b 817.271875 862.271875 0 5625 5625	862.1 148a 817.153125 862.153125 14 817.1 862.1 149a 817.140625 862.140625 15 817.1 862.1 817.1 862.1	5625 148b 817.159375 862.159375 19 4375 149b 817.146875 862.146875 30 3125 3125
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	817.6 862.6 108a 817.653125 862.653125 10 817.6 862.6 109a 817.640625 862.640625 11 817.6 862.6 862.6 110a	5625 108b 817.659375 862.659375 99 4375 109b 817.646875 862.646875 10 3125 3125 110b	817.5 862.5 118a 817.528125 862.528125 11 817.5 862.5 119a 817.515625 862.515625 12 817.5 862.5 862.5 120a	3125 118b 817.534375 862.534375 19 1875 11875 119b 817.521875 862.521875 20 0625 0625 120b	862.4 128a 817.403125 862.403125 12 817.3 862.3 129a 817.390625 862.390625 13 817.3 862.3 862.3 130a	0625 128b 817.409375 862.409375 29 9375 129b 817.396875 862.396875 30 8125 8125 130b	862.2 138a 817.278125 862.278125 13 817.2 862.2 139a 817.265625 862.265625 14 817.2 862.2 140a	8125 138b 817.284375 862.284375 9 6875 6875 139b 817.271875 862.271875 0 5625 5625 140b	862.1 148a 817.153125 862.153125 14 817.1 862.1 149a 817.140625 862.140625 15 817.1 862.1 150a	5625 148b 817.159375 862.159375 19 4375 149b 817.146875 862.146875 30 3125 3125 150b
Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	817.6 862.6 108a 817.653125 862.653125 10 817.6 862.6 109a 817.640625 862.640625 11 817.6 862.6 862.6 862.6	5625 108b 817.659375 862.659375 99 4375 4375 109b 817.646875 862.646875 10 3125 3125	817.5 862.5 118a 817.528125 862.528125 119a 817.515625 862.515625 11 817.5 862.515625 12 817.5 862.5	3125 118b 817.534375 862.534375 19 1875 11875 119b 817.521875 862.521875 20 0625 0625	862.4 128a 817.403125 862.403125 12 817.3 862.3 129a 817.390625 862.390625 13 817.3 817.3 817.3 817.3 817.3	0625 128b 817.409375 862.409375 29 9375 129b 817.396875 862.396875 30 8125 8125	862.2 138a 817.278125 862.278125 13 817.2 862.2 139a 817.265625 862.265625 14 817.2 862.2	8125 138b 817.284375 862.284375 9 6875 139b 817.271875 862.271875 0 5625 5625	862.1 148a 817.153125 862.153125 14 817.1 862.1 149a 817.140625 862.140625 15 817.1 862.1 817.1 862.1	5625 148b 817.159375 862.159375 19 4375 149b 817.146875 862.146875 30 3125 3125



Ch. No.	15	51	16	51	1	71	18	31	19)1
Base Rx	817.1	.1875	816.9	9375	816.8	86875	816.7	4375	816.6	1875
Base Tx	862.1	.1875	861.9	9375	861.8	86875	861.7	4375	861.6	1875
Ch. No.	151a	151b	161a	161b	171a	171b	181a	181b	191a	191b
Base Rx	817.115625	817.121875	816.990625	816.996875	816.865625	816.871875	816.740625	816.746875	816.615625	816.621875
Base Tx	862.115625	862.121875	861.990625	861.996875	861.865625	861.871875	861.740625	861.746875	861.615625	861.621875
Ch. No.	15	52	16	52		72	18	32	19	92
Base Rx	817.1	.0625	816.9	8125	816.8	35625	816.7	3125	816.6	0625
Base Tx	862.1	.0625	861.9	8125	861.8	35625	861.7	3125	861.6	0625
Ch. No.	152a	152b	162a	162b	172a	172b	182a	182b	192a	192b
Base Rx	817.103125	817.109375	816.978125	816.984375	816.853125	816.859375	816.728125	816.734375		816.609375
Base Tx	862.103125	862.109375	861.978125	861.984375	861.853125	861.859375	861.728125	861.734375	861.603125	861.609375
Ch. No.	15		16			73	18		19	-
Base Rx	817.0		816.9			34375	816.7		816.5	
Base Tx	862.0		861.9		861.8		861.7		861.5	
Ch. No.	153a	153b	163a	163b	173a	173b	183a	183b	193a	193b
Base Rx	817.090625	817.096875	816.965625	816.971875	816.840625	816.846875	816.715625	816.721875	816.590625	816.596875
Base Tx	862.090625		861.965625		861.840625		861.715625		861.590625	861.596875
Ch. No.	917.0		216.0		816.8	74	18 916 7		19 816 E	
Base Rx Base Tx	817.0 862.0		816.9 861.9		816.8		816.7 861.7		816.5 861.5	
	154a	154b	164a	164b	174a	174b	184a	184b	194a	194b
Ch. No. Base Rx	154a 817.078125	1540 817.084375	164a 816.953125	1640 816.959375	-	1740 816.834375	184a 816.703125	1840 816.709375	194a 816.578125	1940 816.584375
Base Tx	817.078125		816.953125		816.828125	816.834375	816.703125	816.709375	816.578125	810.584375
Ch. No.	802.078125 15		16		1		18		19	
Base Rx	817.0		816.9		816.8		816.6	-	816.5	
Base Tx	862.0		861.9			31875 31875	810.0		810.5	
Ch. No.	155a	155b	165a	165b	175a	175b	185a	185b	195a	195b
Base Rx	817.065625	817.071875	816.940625	816.946875		816.821875	816.690625	816.696875	816.565625	816.571875
Base Tx	862.065625	862.071875	861.940625	861.946875	861.815625	861.821875	861.690625	861.696875	861.565625	861.571875
Ch. No.	15			56		76	18		19	
Base Rx	817.0		816.9			80625	816.6	8125	816.5	5625
Base Tx	862.0		861.9		861.8		861.6		861.5	
Ch. No.	156a	156b	166a	166b	176a	176b	186a	186b	196a	196b
Base Rx	817.053125	817.059375	816.928125	816.934375	816.803125	816.809375	816.678125	816.684375	816.553125	816.559375
Base Tx	862.053125	862.059375	861.928125	861.934375	861.803125	861.809375	861.678125	861.684375	861.553125	861.559375
Ch. No.	15	57	16	67	1	77	18	37	19)7
Base Rx	817.0)4375	816.9	91875	816.7	9375	816.6	6875	816.5	4375
Base Tx	862.0	4375	861.9	1875	861.7	9375	861.6	6875	861.5	4375
Ch. No.	157a	157b	167a	167b	177a	177b	187a	187b	197a	197b
Base Rx	817.040625	817.046875	816.915625	816.921875	816.790625	816.796875	816.665625	816.671875	816.540625	816.546875
Base Tx	862.040625	862.046875	861.915625	861.921875	861.790625	861.796875	861.665625	861.671875	861.540625	861.546875
Ch. No.		58	10	58	1	78	18	38	19	98
Base Rx	817.0			0625		/8125	816.6		816.5	
Base Tx)3125		0625		/8125	861.6		861.5	
Ch. No.	158a	158b	168a	168b	178a	178b	188a	188b	198a	198b
Base Rx		817.034375		816.909375		816.784375		816.659375		816.534375
Base Tx		862.034375		861.909375		861.784375		861.659375		861.534375
Ch. No.	15			59 00075		79	18			99
Base Rx	817.0			89375 20275		/6875	816.6		816.5	
Base Tx	862.0			160h		76875	861.6		861.5	
Ch. No.	159a 817.015625	159b 817.021875	169a	169b 816.896875	179a	179b 816 771875	189a	189b 816.646875	199a 816 515625	199b 816.521875
Base Rx		817.021875		816.896875						816.521875
Base Tx Ch. No.		862.021875 50		861.896875 70	861.765625	861.771875 30	861.640625	861.646875		861.521875)0
		0625		70 38125		30 75625	816.6		816.5	
Baco Dv		100ZJ	010.0							0625
Base Rx Base Tx		0625	861 S	88125	261	5625	Xh i h			
Base Tx	862.0		861.8 170a		861.7 180a		861.6 190a			
Base Tx Ch. No.	862.0 160a	160b	170a	170b	180a	180b	190a	190b	200a	200b
Base Tx	862.0	160b 817.009375	170a 816.878125	170b	180a 816.753125	180b 816.759375	190a 816.628125	190b 816.634375		200b 816.509375



Ch. No.	20	01	21	11	22	21	23	31	24	11
Base Rx	816.4	9375	816.3	6875	816.2	4375	816.1	1875	815.9	9375
Base Tx	861.4	9375	861.3	6875	861.2	4375	861.1	1875	860.9	9375
Ch. No.	201a	201b	211a	211b	221a	221b	231a	231b	241a	241b
Base Rx	816.490625	816.496875	816.365625	816.371875	816.240625	816.246875	816.115625	816.121875	815.990625	815.996875
Base Tx	861.490625	861.496875	861.365625	861.371875	861.240625	861.246875	861.115625	861.121875	860.990625	860.996875
Ch. No.	20)2	21	12	22	22	23	32	24	12
Base Rx	816.4	8125	816.3	5625	816.2	3125	816.1	.0625	815.9	8125
Base Tx	861.4	8125	861.3	5625	861.2	3125	861.1	.0625	860.9	8125
Ch. No.	202a	202b	212a	212b	222a	222b	232a	232b	242a	242b
Base Rx	816.478125	816.484375	816.353125	816.359375	816.228125	816.234375	816.103125	816.109375	815.978125	815.984375
Base Tx	861.478125	861.484375	861.353125	861.359375	861.228125	861.234375	861.103125	861.109375	860.978125	860.984375
Ch. No.	20)3	21	13	22	23	23	33	24	13
Base Rx	816.4	6875	816.3	4375	816.2	1875	816.0	9375	815.9	6875
Base Tx	861.4	6875	861.3	4375	861.2	1875	861.0	9375	860.9	6875
Ch. No.	203a	203b	213a	213b	223a	223b	233a	233b	243a	243b
Base Rx	816.465625	816.471875	816.340625	816.346875	816.215625	816.221875	816.090625	816.096875	815.965625	815.971875
Base Tx	861.465625	861.471875	861.340625	861.346875	861.215625	861.221875	861.090625	861.096875	860.965625	860.971875
Ch. No.	20)4	21	14	22	24	23	34	24	14
Base Rx	816.45625		816.3		816.2	20625	816.0		815.9	
Base Tx	861.4	5625	861.3	3125	861.2	20625	861.0	8125	860.9	5625
Ch. No.	204a	204b	214a	214b	224a	224b	234a	234b	244a	244b
Base Rx	816.453125	816.459375	816.328125	816.334375	816.203125	816.209375	816.078125	816.084375	815.953125	815.959375
Base Tx	861.453125	861.459375	861.328125	861.334375	861.203125	861.209375	861.078125	861.084375	860.953125	860.959375
Ch. No.	20	05	21	15	22	25	23	35	24	15
Base Rx	816.4	4375	816.3	1875	816.1	9375	816.0	6875	815.9	4375
Base Tx	861.4	4375	861.3	1875	861.1	9375	861.0	6875	860.9	4375
Ch. No.	205a	205b	215a	215b	225a	225b	235a	235b	245a	245b
Base Rx	816.440625	816.446875	816.315625	816.321875	816.190625	816.196875	816.065625	816.071875	815.940625	815.946875
Base Tx	861.440625	861.446875	861.315625	861.321875	861.190625	861.196875	861.065625	861.071875	860.940625	860.946875
Ch. No.	20	06	21	16	22	26	23	86	24	16
Base Rx	816.4	3125	816.3	0625	816.1	8125	816.05625		815.93125	
Base Tx	861.4	3125	861.3	0625	861.1	8125	861.0	5625	860.9	3125
Ch. No.	206a	206b	216a	216b	226a	226b	236a	236b	246a	246b
Base Rx	816.428125	816.434375	816.303125	816.309375	816.178125	816.184375	816.053125	816.059375	815.928125	815.934375
Base Tx	861.428125	861.434375	861.303125	861.309375	861.178125	861.184375	861.053125	861.059375	860.928125	860.934375
Ch. No.	20	-	21			27	23		24	17
Base Rx	816.4	1875	816.2	9375	816.1	6875	816.0	4375	815.9	1875
Base Tx	861.4	1875	861.2	9375	861.1	6875	861.0	4375	860.9	1875
Ch. No.	207a	207b	217a	217b	227a	227b	237a	237b	247a	247b
Base Rx	816.415625		816.290625		816.165625		816.040625	816.046875		815.921875
Base Tx							861.040625			860.921875
Ch. No.)8		18		28	23		24	
Base Rx	816.4			8125		.5625	816.0		815.9	
Base Tx	861.4			8125		.5625	861.0		860.9	
Ch. No.	208a	208b	218a	218b	228a	228b	238a	238b	248a	248b
Base Rx	816.403125			816.284375	816.153125		816.028125		815.903125	815.909375
Base Tx	861.403125			861.284375	861.153125			861.034375	860.903125	
Ch. No.)9	21			29	23		24	
Base Rx	816.3		816.2			4375	816.0		815.8	
Base Tx	861.3		861.2			4375	861.0		860.8	
Ch. No.	209a	209b	219a	219b	229a	229b	239a	239b	249a	249b
Base Rx	816.390625			816.271875				816.021875		815.896875
Base Tx		861.396875		861.271875	861.140625			861.021875	860.890625	
	I 21	10	22	20		30		10	25	
Ch. No.					016 1	3125	816.0	0625	815.8	8125
Base Rx	816.3		816.2							
Base Rx Base Tx	816.3 861.3	8125	861.2	5625	861.1	3125	861.0	0625	860.8	
Base Rx Base Tx Ch. No.	816.3 861.3 210a	8125 210b	861.2 220a	25625 220b	861.1 230a	.3125 230b	861.0 240a	0625 240b	860.8 250a	250b
Base Rx Base Tx	816.3 861.3 210a 816.378125	8125 210b	861.2 220a 816.253125	5625	861.1 230a 816.128125	3125	861.0 240a 816.003125	0625	860.8 250a 815.878125	250b



Ch. No.	25	51	26	51	27	71	28	31	29	91
Base Rx	815.8	6875	815.7	4375	815.6	51875	815.4	9375	815.3	6875
Base Tx	860.8	6875	860.7	4375	860.6	51875	860.4	9375	860.3	6875
Ch. No.	251a	251b	261a	261b	271a	271b	281a	281b	291a	291b
Base Rx	815.865625	815.871875	815.740625	815.746875	815.615625	815.621875	815.490625	815.496875	815.365625	815.371875
Base Tx	860.865625	860.871875	860.740625	860.746875	860.615625	860.621875	860.490625	860.496875	860.365625	860.371875
Ch. No.	25	52	26	62	27	72	28	32	29	92
Base Rx	815.8	5625	815.7	/3125	815.6	60625	815.4	8125	815.3	5625
Base Tx	860.8	5625	860.7	/3125	860.6	60625	860.4	8125	860.3	5625
Ch. No.	252a	252b	262a	262b	272a	272b	282a	282b	292a	292b
Base Rx	815.853125	815.859375	815.728125	815.734375	815.603125	815.609375	815.478125	815.484375	815.353125	815.359375
Base Tx	860.853125	860.859375	860.728125	860.734375	860.603125	860.609375	860.478125	860.484375	860.353125	860.359375
Ch. No.	25	53	26	63	27	73	28	33	29	93
Base Rx	815.8	4375	815.7	/1875	815.5	59375	815.4	6875	815.3	4375
Base Tx	860.8	4375	860.7	1875	860.5	59375	860.4	6875	860.3	4375
Ch. No.	253a	253b	263a	263b	273a	273b	283a	283b	293a	293b
Base Rx	815.840625	815.846875	815.715625	815.721875	815.590625	815.596875	815.465625	815.471875	815.340625	815.346875
Base Tx	860.840625	860.846875	860.715625	860.721875	860.590625		860.465625	860.471875	860.340625	860.346875
Ch. No.	25	54	26	64	2	74	28	34	29	94
Base Rx	815.8	3125	815.7	/0625	815.5	58125	815.4	5625	815.3	3125
Base Tx	860.8		860.7			58125	860.4		860.3	
Ch. No.	254a	254b	264a	264b	274a	274b	284a	284b	294a	294b
Base Rx	815.828125	815.834375	815.703125	815.709375	815.578125	815.584375	815.453125	815.459375	815.328125	815.334375
Base Tx	860.828125		860.703125		860.578125		860.453125	860.459375	860.328125	860.334375
Ch. No.	25	55	26	65	27	75	28	35	29	95
Base Rx	815.8	1875	815.6	9375	815.5	56875	815.4	4375	815.3	1875
Base Tx	860.8	1875	860.6		860.5	56875	860.4	4375	860.3	1875
Ch. No.	255a	255b	265a	265b	275a	275b	285a	285b	295a	295b
Base Rx	815.815625	815.821875	815.690625	815.696875	815.565625	815.571875	815.440625	815.446875	815.315625	815.321875
Base Tx	860.815625	860.821875	860.690625	860.696875	860.565625		860.440625	860.446875	860.315625	860.321875
										000.321073
Ch. No.	25	56	26							
Ch. No. Base Rx	25 815.8		26 815.6	66	27	76	28	36	29	96
Base Rx	815.8	0625	815.6	56 58125	21 815.5	76 55625	28 815.4	36 3125	29 815.3	96 90625
Base Rx Base Tx		0625 0625	815.6 860.6	56 58125	21 815.5 860.5	76	28 815.4 860.4	36 3125 3125	29 815.3 860.3	96 90625 90625
Base Rx Base Tx Ch. No.	815.8 860.8 256a	80625 80625 256b	815.6 860.6 266a	56 58125 58125 266b	21 815.5 860.5 276a	76 55625 55625 276b	28 815.4 860.4 286a	36 3125 3125 286b	29 815.3 860.3 296a	96 90625 90625 296b
Base Rx Base Tx Ch. No. Base Rx	815.8 860.8	0625 0625 256b 815.809375	815.6 860.6 266a 815.678125	56 58125 58125	21 815.5 860.5 276a 815.553125	76 55625 55625 276b 815.559375	28 815.4 860.4	36 3125 3125	29 815.3 860.3	96 90625 90625 296b 815.309375
Base Rx Base Tx Ch. No. Base Rx Base Tx	815.8 860.8 256a 815.803125 860.803125	0625 0625 256b 815.809375 860.809375	815.6 860.6 266a 815.678125 860.678125	56 8125 8125 266b 815.684375 860.684375	21 815.5 860.5 276a 815.553125 860.553125	76 55625 57625 276b 815.559375 860.559375	28 815.4 860.4 286a 815.428125 860.428125	36 3125 3125 286b 815.434375 860.434375	29 815.3 860.3 296a 815.303125	06 0625 0625 296b 815.309375 860.309375
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 25	0625 0625 256b 815.809375 860.809375 57	815.6 860.6 266a 815.678125 860.678125 26	56 8125 8125 266b 815.684375 860.684375 57	2: 815.5 276a 815.553125 860.553125 2:	76 55625 55625 276b 815.559375 860.559375 77	28 815.4 286a 815.428125 860.428125 28	36 3125 3125 286b 815.434375 860.434375 37	29 815.3 860.3 296a 815.303125 860.303125 20	96 90625 90625 296b 815.309375 860.309375 97
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	815.8 860.8 256a 815.803125 860.803125 25 815.7	0625 0625 256b 815.809375 860.809375 57 9375	815.6 860.6 266a 815.678125 860.678125	56 8125 8125 266b 815.684375 860.684375 57 56875	2: 815.5 276a 815.553125 860.553125 2: 815.5 815.5	76 55625 57625 276b 815.559375 860.559375	28 815.4 286a 815.428125 860.428125 28 815.4 815.4	3125 3125 286b 815.434375 860.434375 37 1875	29 815.3 860.3 296a 815.303125 860.303125	96 90625 296b 815.309375 860.309375 97 9375
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	815.8 860.8 815.803125 860.803125 25 815.7 860.7	0625 256b 815.809375 860.809375 57 9375 9375	815.6 860.6 266a 815.678125 860.678125 26 815.6 860.6	56 8125 8125 266b 815.684375 860.684375 57 56875 56875	2: 815.5 276a 815.553125 860.553125 2: 815.5 860.5 860.5	76 55625 57625 276b 815.559375 860.559375 77 54375 54375	28 815.4 286a 815.428125 860.428125 28 815.4 815.4 860.4 815.4 860.4	3125 3125 286b 815.434375 860.434375 37 1875	2963 815.30 2963 815.303125 860.303125 29 815.2 815.2 860.2	96 90625 296b 815.309375 860.309375 97 9375 9375
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No.	815.8 860.8 815.803125 860.803125 25 815.7 860.7 257a	0625 0625 256b 815.809375 860.809375 57 9375	815.6 266a 815.678125 860.678125 26 815.6 860.6 815.6 860.6 267a	56 8125 266b 815.684375 860.684375 57 56875 56875 267b	2: 815.5 276a 815.553125 860.553125 2: 815.5 860.5 860.5 277a	76 55625 276b 815.559375 860.559375 77 54375 54375 277b	28 815.4 286a 815.428125 860.428125 28 815.4 860.4 815.4 860.4 287a	3125 3125 286b 815.434375 860.434375 37 1875 1875 1875 287b	2963 815.3 2963 815.303125 860.303125 29 815.2 860.2 297a	96 90625 296b 815.309375 860.309375 97 9375 9375 297b
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	815.8 860.8 815.803125 860.803125 25 815.7 860.7 257a 815.790625	0625 256b 815.809375 860.809375 7 9375 9375 257b 815.796875	815.6 266a 815.678125 860.678125 26 815.6 860.6 860.6 860.6 860.6 860.6 860.6 860.6	56 8125 266b 815.684375 860.684375 57 56875 56875 267b 815.671875	2: 815.5 276a 815.553125 860.553125 2: 815.5 860.5 277a 815.540625	76 55625 276b 815.559375 860.559375 77 54375 54375 277b 815.546875	28 815.4 286a 815.428125 860.428125 28 815.4 860.4 815.4 860.4 860.4 815.4 287a 815.415625	3125 3125 286b 815.434375 860.434375 37 1875 1875 1875 287b 815.421875	2963 815.3 2963 815.303125 860.303125 2973 815.2 2973 815.290625	96 90625 296b 815.309375 860.309375 9375 9375 9375 297b 815.296875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	815.8 860.8 815.803125 860.803125 25 815.7 860.7 257a 815.790625 860.790625	0625 256b 815.809375 860.809375 7 9375 9375 257b 815.796875	815.6 860.6 266a 815.678125 860.678125 26 815.6 860.6 267a 815.665625 860.665625	56 8125 266b 815.684375 860.684375 57 56875 56875 267b 815.671875	2: 815.5 276a 815.553125 860.553125 2: 815.5 860.5 277a 815.540625 860.540625	76 55625 276b 815.559375 860.559375 77 54375 54375 277b 815.546875	28 815.4 286a 815.428125 860.428125 28 815.4 860.4 815.4 860.4 287a	3125 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875	2963 815.3 2963 815.303125 860.303125 2973 815.2 2973 815.290625	96 00625 296b 815.309375 860.309375 97 9375 9375 2975 297b 815.296875 860.296875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No.	815.8 860.8 815.803125 860.803125 25 815.7 860.7 257a 815.790625 860.790625	0625 256b 815.809375 860.809375 79375 9375 257b 815.796875 860.796875 58	815.6 860.6 266a 815.678125 860.678125 26 815.6 860.6 267a 815.665625 860.665625 26	56 58125 266b 815.684375 860.684375 57 56875 267b 815.671875 860.671875	2: 815.5 276a 815.553125 860.553125 2: 815.5 860.5 277a 815.540625 860.540625 2:	76 55625 276b 815.559375 860.559375 77 54375 54375 277b 815.546875 860.546875	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625	3125 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 38	296a 815.3 296a 815.303125 860.303125 297 815.2 297a 815.290625 860.290625	96 00625 296b 815.309375 860.309375 9375 9375 29375 297b 815.296875 860.296875 88
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	815.8 860.8 815.803125 860.803125 25 815.7 860.7 257a 815.790625 860.790625 25	0625 256b 815.809375 860.809375 79375 257b 815.796875 860.796875 58 8125	815.6 860.6 266a 815.678125 860.678125 26 815.6 860.6 267a 815.665625 860.665625 26	56 58125 266b 815.684375 860.684375 56875 2675 267b 815.671875 860.671875 58 55625	2: 815.5 276a 815.553125 860.553125 27 815.5 860.5 277a 815.540625 860.540625 27 815.540625 27 860.540625	76 55625 276b 815.559375 860.559375 77 54375 54375 277b 815.546875 860.546875 78	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28	3125 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 38 0625	296a 815.3 296a 815.303125 860.303125 297 815.2 297a 815.290625 860.290625 297	96 10625 296b 815.309375 860.309375 9375 19375 297b 815.296875 860.296875 860.296875 98 8125
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No. Base Rx	815.8 860.8 256a 815.803125 860.803125 25 815.7 860.7 257a 815.790625 860.790625 25 860.790625 860.790625	0625 256b 815.809375 860.809375 79375 257b 815.796875 860.796875 58 8125	815.6 860.6 266a 815.678125 860.678125 26 815.6 860.6 267a 815.665625 860.665625 26 815.6	56 58125 266b 815.684375 860.684375 56875 2675 267b 815.671875 860.671875 58 55625	2: 815.5 276a 815.553125 860.553125 27 815.5 860.5 277a 815.540625 860.540625 27 815.540625 27 860.540625	76 55625 276b 815.559375 860.559375 77 54375 44375 277b 815.546875 860.546875 78 53125	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 860.415625 28 815.4	3125 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 38 0625	296a 815.3 296a 815.303125 860.303125 297 815.2 297a 815.290625 860.290625 860.290625 20 815.2	96 00625 296b 815.309375 860.309375 9375 9375 29375 297b 815.296875 860.296875 8860.296875 98
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	815.8 860.8 815.803125 860.803125 257 815.7 860.7 257a 815.790625 860.790625 25 860.790625 860.7 815.7 860.7	0625 256b 815.809375 860.809375 7 9375 257b 815.796875 860.796875 88 8125 8125 8125 258b	815.6 860.6 266a 815.678125 860.678125 26 815.6 860.6 267a 815.665625 860.665625 26 815.6 860.6 860.6 860.6	56 58125 266b 815.684375 860.684375 56875 267b 815.671875 860.671875 58 5625 5625	2: 815.5 276a 815.553125 860.553125 27 815.5 860.5 277a 815.540625 860.540625 27 815.5 860.540625 27 815.5 860.540625	76 55625 276b 815.559375 860.559375 77 54375 277b 815.546875 860.546875 860.546875 78 53125 53125 278b	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 860.415625 28 815.4 860.4 815.4 860.4	3125 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 38 0625 0625	2963 815.3 296a 815.303125 860.303125 2973 815.290625 860.290625 860.290625 2973 815.290625 860.290625 2973	96 00625 296b 815.309375 860.309375 9375 9375 2975 297b 815.296875 860.296875 880.296875 98 8125 88125 8125 298b
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 257a 815.7 860.7 257a 815.790625 860.790625 860.790625 860.7 815.7 860.7 858a 815.778125	0625 256b 815.809375 860.809375 79375 257b 815.796875 860.796875 58 8125 8125 258b	815.6 860.6 266a 815.678125 860.678125 26 815.6 860.6 267a 815.665625 26 860.665625 26 860.6 860.6 860.6 860.6 860.6 860.6 860.6 860.6	56 58125 58125 266b 815.684375 56875 56875 267b 815.671875 860.671875 58 5625 5625 268b	2: 815.5 860.5 815.553125 860.553125 2: 815.5 860.5 277a 815.540625 860.540625 2: 815.5 860.5 860.5 278a 815.528125	76 55625 276b 815.559375 860.559375 77 54375 24375 277b 815.546875 860.546875 860.546875 78 53125 53125 278b	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 860.415625 28 815.4 860.4 815.4 860.4 815.4 860.4 815.4 860.4 815.4 860.4 815.4 860.4 815.4 860.4 815.4 860.4 815.4 8	3125 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 88 0625 0625 288b 815.409375	296a 815.3 296a 815.303125 860.303125 297a 815.290625 860.290625 860.290625 297a 815.290625 860.290625 298a 815.278125	96 00625 296b 815.309375 860.309375 9375 9375 9375 297b 815.296875 860.296875 860.296875 98 8125 88125 8125 298b
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 257a 815.7 860.7 257a 815.790625 860.790625 860.790625 860.7 815.7 860.7 860.7 860.7 860.7	00625 256b 815.809375 860.809375 79375 257b 815.796875 860.796875 88125 8125 8125 258b 815.784375 860.784375	815.6 860.6 266a 815.678125 860.678125 26 815.6 860.6 267a 815.665625 26 860.665625 26 860.6 860.6 860.6 860.6 860.6 860.6 860.6 860.6	56 58125 58125 266b 815.684375 56875 56875 267b 815.671875 56855 267b 815.671875 56855 5625 268b 815.659375 860.659375	2: 815.5 276a 815.553125 860.553125 277a 815.540625 860.540625 277a 815.540625 277a 815.540625 860.540625 278a 815.528125 860.528125	76 55625 276b 815.559375 860.559375 77 54375 277b 815.546875 860.546875 78 53125 278b 815.534375	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 860.415625 28 815.4 860.4 815.4 860.4 288a 815.403125	3125 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 38 0625 0625 288b 815.409375 860.409375	296a 815.3 296a 815.303125 860.303125 297a 815.290625 860.290625 860.290625 297a 815.290625 860.290625 298a 815.278125	96 90625 296b 815.309375 860.309375 9375 9375 2975 815.296875 860.296875 880.296875 88125 8125 8125 8125 8125 815.284375 860.284375
Base Rx Base Tx Ch. No. Base Rx Base Tx	815.8 860.8 815.803125 860.803125 257 815.7 860.7 257a 815.790625 860.790625 860.7 860.7 860.7 258a 815.778125 860.778125	00625 256b 815.809375 860.809375 9375 257b 815.796875 860.796875 88125 258b 8125 258b 815.784375 860.784375	815.6 860.678125 860.678125 26 815.678125 26 815.6 860.6 267a 815.665625 860.665625 26 815.6 860.6 268a 815.653125 860.653125	56 58125 58125 560 560 57 56875 56875 267b 815.671875 860.671875 58 55625 268b 815.659375 860.659375 59	2: 815.5 860.5 815.553125 860.553125 2: 815.5 860.5 277a 815.540625 860.540625 2: 815.5 860.5 860.5 278a 815.528125 860.528125 860.528125 2:	76 55625 276b 815.559375 860.559375 77 54375 54375 277b 815.546875 860.546875 78 53125 278b 815.534375 860.534375 860.534375	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 815.4 860.4 815.4 860.4 288a 815.403125 860.403125	3125 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 88 0625 0625 288b 815.409375 860.409375	2963 815.3 2963 815.303125 860.303125 2973 815.290625 860.290625 860.290625 2983 815.2 860.2 2983 815.278125 860.278125	96 90625 296b 815.309375 860.309375 9375 29375 29375 297b 815.296875 860.296875 880.296875 88125 88125 88125 298b 815.284375 860.284375 860.284375
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 815.803125 860.803125 25 815.7 860.7 257a 815.790625 860.790625 25 815.7 860.7 258a 815.778125 860.778125 860.778125	00625 256b 815.809375 860.809375 79375 257b 815.796875 860.796875 88125 258b 815.784375 860.784375 860.784375 59	815.6 860.6 266a 815.678125 860.678125 266 815.6 860.6 267a 815.665625 860.665625 266 815.6 860.6 268a 815.653125 860.653125 268 815.653125	56 58125 58125 560 560 57 56875 56875 267b 815.671875 860.671875 58 55625 268b 815.659375 860.659375 59	2: 815.5 860.5 860.553125 860.553125 2: 815.5 860.5 277a 815.540625 860.540625 2: 815.5 860.5 278a 815.528125 860.528125 2: 860.528125 2: 815.5	76 55625 276b 815.559375 860.559375 77 54375 54375 277b 815.546875 860.546875 78 53125 53125 278b 815.534375 860.534375 860.534375 79	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 815.4 860.4 288a 815.4 860.4 288a 815.403125 860.403125 28	3125 3125 286b 815.434375 860.434375 37 1875 287b 815.421875 860.421875 88 0625 0625 288b 815.409375 860.409375 19 9375	2963 815.3 2963 815.303125 860.303125 2973 815.290625 860.290625 860.290625 2973 815.29625 860.290625 860.290625 8815.2 8815.2 8815.2 2983 815.278125 860.278125 2923	96 90625 296b 815.309375 860.309375 9375 29375 29375 297b 815.296875 860.296875 88125 88125 8125 298b 815.284375 860.284375 399 96875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 815.803125 860.803125 257 815.7 860.7 257a 815.790625 860.790625 860.790625 860.7 258a 815.778125 860.778125 860.778125 2583	00625 256b 815.809375 860.809375 79375 257b 815.796875 860.796875 88125 258b 815.784375 860.784375 860.784375 59	815.6 860.6 266a 815.678125 860.678125 266 815.6 860.6 267a 815.665625 860.665625 266 815.6 860.6 268a 815.653125 860.653125 268 815.653125	56 58125 58125 566b 815.684375 56875 56875 267b 815.671875 56855 267b 815.671875 5685 5625 268b 815.659375 860.659375 59 54375	2: 815.5 860.5 860.553125 860.553125 2: 815.5 860.5 277a 815.540625 860.540625 2: 815.5 860.5 278a 815.528125 860.528125 2: 860.528125 2: 815.5	76 55625 276b 815.559375 860.559375 77 54375 54375 277b 815.546875 860.546875 78 53125 53125 278b 815.534375 860.534375 79 51875	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 815.4 860.4 288a 815.4 860.4 288a 815.403125 860.403125 28 860.403125	3125 3125 286b 815.434375 860.434375 37 1875 287b 815.421875 860.421875 88 0625 0625 288b 815.409375 860.409375 19 9375	2963 815.3 2963 815.303125 860.303125 2973 815.290625 860.290625 860.290625 860.290625 2973 815.2 860.290625 860.290625 8815.2 860.2 2983 815.2 860.2 815.2 860.2 815.2 860.2 815.2 860.2 815.2 860.2 815.2 860.2 815.2	96 90625 296b 815.309375 860.309375 9375 29375 29375 297b 815.296875 860.296875 88125 88125 8125 298b 815.284375 860.284375 399 96875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 257 815.7 860.7 257a 815.790625 860.790625 258 815.7 860.7 258a 815.778125 860.778125 258a 815.7 860.7 259a	00625 256b 815.809375 860.809375 79375 257b 815.796875 860.796875 88125 88125 258b 815.784375 860.784375 39 6875 6875 259b	815.6 860.6 266a 815.678125 860.678125 266 815.6 860.6 267a 815.665625 266 860.6 268a 815.653125 860.653125 268a 815.6 860.6 268a 815.6 860.6 268a 815.6 860.6 268a	56 58125 58125 58125 566875 56875 56875 267b 815.671875 860.671875 5625 5625 268b 815.659375 860.659375 59 54375 54375	2: 815.5 860.5 815.553125 860.553125 27 815.5 860.5 277a 815.540625 860.540625 278a 815.5 860.5 278a 815.528125 860.528125 278a 815.528125 278a 815.528125 278a	76 55625 276b 815.559375 860.559375 77 54375 54375 277b 815.546875 860.546875 78 53125 278b 815.534375 860.534375 79 51875 279b	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 815.4 860.4 288a 815.4 860.4 288a 815.403125 860.403125 28 815.3 860.3 289a	36 3125 3125 286b 815.434375 860.434375 37 1875 287b 815.421875 860.421875 860.421875 860.421875 860.421875 860.421875 860.421875 860.421875 9375 9375 9375 289b	2963 815.3 2963 815.303125 860.303125 2973 815.290625 860.290625 860.290625 2973 815.290625 860.290625 860.290625 885.2 885.2 885.2 2983 815.278125 860.278125 2983 815.2 860.2 2993	96 90625 296b 815.309375 860.309375 9375 29375 29375 297b 815.296875 860.296875 880.296875 88125 88125 88125 88125 8815.284375 860.284375 99 66875 299b
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 257 815.7 860.7 257a 815.790625 860.790625 25 815.7 860.7 258a 815.778125 860.778125 258a 815.778125 258a 815.778125 860.778125	00625 256b 815.809375 860.809375 9375 257b 815.796875 860.796875 880.796875 88125 258b 815.784375 860.784375 39 6875 6875 259b 815.771875	815.6 860.6 266a 815.678125 860.678125 26 815.6 860.6 267a 815.665625 860.665625 26 815.6 860.6 268a 815.653125 860.653125 26 815.6 860.6 815.6 860.6 815.6 860.6	56 58125 58125 5665 56675 56875 56875 267b 815.671875 860.671875 5685 267b 815.671875 5685 267b 815.659375 860.659375 59 59 59 59 59 59 59 59 59 5	2: 815.5 860.5 815.553125 860.553125 2: 815.53125 2: 860.5 2: 860.5 2: 860.5 860.5 2: 860.5 2: 860.5 2: 860.5 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 2: 8: 8: 5. 5. 2: 7: 8: 8: 5. 5: 8: 5: 8: 5: 8: 5: 8: 8: 5: 8: 8: 5: 8: 8: 5: 8: 8: 5: 8: 8: 5: 8: 8: 5: 8: 8: 8: 5: 8: 8: 8: 5: 8: 8: 5: 8: 8: 5: 8: 8: 8: 8: 5: 8: 8: 8: 8: 8: 5: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8:	76 55625 276b 815.559375 860.559375 77 54375 277b 815.546875 860.546875 860.546875 78 53125 278b 815.534375 860.534375 79 51875 279b 815.521875	28 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 815.4 860.4 288a 815.4 860.4 288a 815.403125 860.403125 28 860.403125 28 860.3	36 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 860.421875 88 0625 288b 815.409375 860.409375 9375 9375 289b 815.396875	2963 815.3 2963 815.303125 860.303125 2973 815.290625 860.290625 860.290625 860.290625 2973 815.278125 860.278125 860.278125 860.278125 2983 815.278125 2983 815.265625	96 90625 296b 815.309375 860.309375 9375 29375 29375 297b 815.296875 860.296875 880.296875 88125 298b 815.284375 860.284375 99 66875 299b
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 25 815.7 860.7 257a 815.790625 860.790625 25 860.790625 860.7 815.7 860.7 258a 815.778125 860.778125 25 860.778125 25 815.7 860.7	00625 256b 815.809375 860.809375 9375 257b 815.796875 860.796875 880.796875 88125 258b 815.784375 860.784375 39 6875 259b 815.771875 860.771875	815.6 860.6 266a 815.678125 860.678125 266 815.6 860.6 267a 815.665625 266 860.665625 268a 815.653125 860.653125 268a 815.653125 268a 815.653125 860.653125 860.653125 860.640625 860.640625	56 58125 58125 58125 566875 56875 56875 267b 815.671875 860.671875 860.671875 568 5625 268b 815.659375 569 569 569 569 569 569 569 56	2: 815.5 860.5 815.553125 860.553125 27 815.5 860.53125 277a 815.540625 860.540625 277a 815.5 860.5 278a 815.528125 860.528125 278a 815.528125 279a 815.55625 860.515625	76 55625 276b 815.559375 860.559375 77 54375 277b 815.546875 860.546875 860.546875 78 53125 278b 815.534375 860.534375 79 51875 279b 815.521875	286 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 815.4 860.4 288a 815.4 860.4 288a 815.4 3860.4 288a 815.4 288a 815.3 860.3 289a 815.390625	36 3125 286b 815.434375 860.434375 37 1875 287b 815.421875 860.421875 860.421875 88 0625 288b 815.409375 860.409375 9375 9375 289b 815.396875 860.396875	296a 815.3 296a 815.303125 860.303125 297a 815.290625 860.290625 860.290625 860.290625 297a 815.290625 860.290625 298a 815.278125 860.278125 860.278125 298a 815.278125 860.278125 299a 815.265625 860.265625	96 90625 296b 815.309375 860.309375 9375 29375 29375 29375 29375 860.296875 860.296875 88125 88125 88125 8815.284375 860.284375 99 96875 66875 299b 815.271875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 25 815.7 860.7 257a 815.790625 860.790625 25 815.7 860.7 258a 815.778125 860.778125 258a 815.778125 259a 815.7 860.7 259a 815.765625 860.765625	00625 256b 815.809375 860.809375 9375 257b 815.796875 860.796875 880.796875 88125 258b 815.784375 860.784375 39 6875 259b 815.771875 860.771875 860.771875 860.771875	815.6 860.6 266a 815.678125 860.678125 266 815.6 860.6 267a 815.665625 860.665625 266 815.6 860.6 268a 815.653125 860.653125 266 815.6 860.6 860.6 815.6 860.6 860.6 860.6 815.6 860.6 86	56 58125 58125 58125 5605 560684375 56875 56875 267b 815.671875 860.671875 860.671875 568 55625 268b 815.659375 860.659375 59 59 59 59 59 59 59 59 59 5	2: 815.5 860.5 860.553125 860.553125 860.553125 277a 815.540625 860.540625 277a 815.540625 278a 815.528125 860.528125 278a 815.528125 278a 815.528125 279a 815.515625 860.515625 260.515625	76 55625 276b 815.559375 860.559375 77 54375 277b 815.546875 860.546875 860.546875 78 3125 278b 815.534375 860.534375 79 51875 279b 815.521875 860.521875 80	286 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 815.4 860.4 288a 815.4 860.4 288a 815.4 860.4 288a 815.3 860.3 289a 815.3 90625 860.390625 26	36 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 860.421875 88 0625 288b 815.409375 860.409375 9375 289b 815.396875 860.396875 90	296a 815.3 296a 815.303125 860.303125 297a 815.290625 860.290625 860.290625 297a 815.290625 860.290625 298a 815.2 860.2 298a 815.278125 860.278125 202 815.2 860.2 299a 815.265625 860.265625 860.265625	96 96 96 96 96 9296b 815.309375 860.309375 9375 9375 2975 89375 297b 815.296875 860.296875 88125 298b 815.284375 860.284375 99 66875 299b 815.271875 860.271875 860.271875 90
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 2573 815.7 860.7 2573 815.790625 860.790625 2583 815.7 860.7 258a 815.778125 860.778125 860.778125 860.778125 860.7 2593 815.7 860.7 2593 815.765625 860.765625 26 815.7	00625 256b 815.809375 860.809375 9375 257b 815.796875 860.796875 880.796875 880.796875 88125 258b 815.784375 860.784375 39 6875 259b 815.771875 860.771875 860.771875 360.751875 360.751875 360.751875 360.771875 360.751875 360.751875 360.771875 360.751875 360.751875 360.751875 360.771875 360.751875 360.751875 360.751875 360.751875 360.751875 360.751875 360.751875 360.751875 360.751875 360.771875 360.751875 360.771875 360.751875 360.751875 360.751875 360.751875 360.771875 360.771875 360.751875 360.751875 360.751875 360.771875 360.751875 360.751875 375 360.771875 360.751875 360.751875 360.771875 360.751875 360.751875 360.751875 360.751875 360.751875 360.771875 360.751875 360.751875 360.751875 360.751875 375 375 375 375 375 375 375 3	815.6 266a 815.678125 860.678125 266 815.6 860.6 267a 815.665625 266 860.665625 268a 815.653125 860.653125 268a 815.653125 268a 815.653125 860.653125 269a 815.640625 860.640625 269a	56 58125 58125 58125 5605 560684375 56875 56875 267b 815.671875 860.671875 860.671875 568 55625 268b 815.659375 860.659375 59 59 59 59 59 59 59 59 59 5	2: 815.5 860.553125 860.553125 860.553125 277a 815.540625 860.540625 277a 815.540625 278a 815.528125 860.528125 278a 815.528125 278a 815.528125 860.528125 279a 815.515625 860.515625 279a	76 55625 276b 815.559375 860.559375 77 54375 277b 815.546875 860.546875 860.546875 78 3125 278b 815.534375 860.534375 79 51875 279b 815.521875 860.521875	286 815.4 860.4 286a 815.428125 860.428125 28 815.4 860.4 287a 815.415625 860.415625 28 815.4 860.4 288a 815.4 860.4 288a 815.4 860.4 288a 815.3 860.3 289a 815.3 90625 860.390625	36 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 860.421875 88 0625 288b 815.409375 860.409375 9375 289b 815.396875 860.396875 90 815.396875 860.396875 90 8125	296a 815.3 296a 815.303125 860.303125 297a 815.290625 860.290625 860.290625 860.290625 297a 815.290625 860.290625 298a 815.278125 860.278125 860.278125 298a 815.278125 860.278125 299a 815.265625 860.265625	96 90625 90625 296b 815.309375 9375 9375 9375 9375 9375 860.296875 860.296875 860.296875 860.296875 860.284375 860.284375 99 66875 66875 299b 815.271875 860.271875 90 515.271875 860.271875 90 515.255
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 257 815.7 860.7 257a 815.790625 860.790625 860.790625 258 815.7 860.7 258a 815.778125 860.778125 860.778125 860.7 259a 815.7 65625 860.765625 860.765625 26 815.7 860.7	00625 256b 815.809375 860.809375 9375 257b 815.796875 860.796875 880.796875 88125 258b 815.784375 860.784375 39 6875 259b 815.771875 860.771875 860.771875 360 5625 5625	815.6 266a 815.678125 860.678125 267 815.6 860.6 267a 815.665625 860.65625 268 815.653125 860.653125 268a 815.653125 269a 815.640625 860.640625 860.640625 269a 815.6 860.	56 58125 58125 58125 5605 560684375 567 56875 267b 815.671875 860.671875 860.671875 568 5625 268b 815.659375 569 54375 269b 815.646875 860.646875 860.646875 70 53125 53125 5425 50 50 50 50 50 50 50 50 50 5	2: 815.5 860.553125 860.553125 860.553125 277a 815.540625 860.540625 277a 815.540625 278a 815.528125 860.528125 278a 815.528125 279a 815.515625 860.515625 279a 815.515625 260.515625 260.515625 2793	76 55625 276b 815.559375 860.559375 77 54375 277b 815.546875 860.546875 860.546875 78 3125 278b 815.534375 860.534375 79 51875 279b 815.521875 860.521875 80 50625 50625	286 815.4 286a 815.428125 860.428125 286 815.428125 286 815.4 860.428125 287 815.415625 860.415625 288 815.415625 860.415625 288 815.403125 860.403125 860.403125 860.403125 860.390625 8815.3 860.390625 292 815.3 860.3	36 3125 286b 815.434375 860.434375 37 1875 1875 287b 815.421875 860.421875 860.421875 88 0625 288b 815.409375 860.409375 9375 289b 815.396875 860.396875 90 8125	296a 815.33 296a 815.303125 860.303125 297a 815.290625 860.290625 860.290625 298a 815.278125 860.278125 860.278125 860.278125 860.278125 860.278125 860.265625 860.265625 860.265625 300 815.2 860.265625	96 90625 90625 296b 815.309375 9375 9375 9375 9375 9375 860.296875 860.296875 860.294875 860.284375 860.284375 99 66875 299b 815.271875 860.271875 90 55625
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 2573 815.7 860.7 2573 815.790625 860.790625 2583 815.7 860.7 258a 815.778125 860.778125 860.778125 860.778125 860.7 2593 815.765625 860.765625 860.765625 26 815.7 860.7 260a	00625 256b 815.809375 860.809375 9375 257b 815.796875 860.796875 880.796875 880.796875 88125 258b 815.784375 860.784375 39 6875 259b 815.771875 860.771875 860.771875 375.771875 375.775 375	815.6 266a 815.678125 860.678125 267 860.678125 267 860.65625 860.65625 268 815.65625 268 815.653125 860.653125 269a 815.640625 860.640625 860.640625 269a 815.640625 860.640625 860.640625	56 58125 58125 58125 560 560 57 56875 56875 267b 815.671875 860.671875 860.671875 568 55625 268b 815.659375 569 569 569 569 569 569 569 56	2: 815.5 860.553125 860.553125 860.553125 277a 815.540625 860.540625 277a 815.540625 278a 815.528125 860.528125 860.528125 278a 815.528125 860.528125 279a 815.515625 860.515625 260.515625 260.515625 260.515625 279a	76 55625 276b 815.559375 860.559375 77 54375 277b 815.546875 860.546875 860.546875 78 3125 278b 815.534375 860.534375 79 51875 279b 815.521875 860.521875 80 50625 280b	2863 815.428125 860.428125 860.428125 268 815.428125 268 815.4 860.428125 268 815.415625 860.415625 268 815.415625 860.415625 268 815.403125 860.403125 860.403125 860.403125 860.390625 268 815.390625 269 815.3 860.390625	36 3125 3125 286b 815.434375 860.434375 87 1875 1875 287b 815.421875 860.421875 860.421875 860.421875 860.421875 860.421875 860.409375 9375 9375 289b 815.396875 800 815.396875 80 8125 8125 290b	296a 815.33 296a 815.303125 860.303125 860.303125 297a 815.290625 860.290625 860.290625 860.290625 298a 815.278125 860.278125 860.278125 860.278125 860.278125 860.265625 860.265625 860.265625 300a	96 90625 296b 815.309375 860.309375 9375 9375 9375 9375 860.296875 860.296875 860.296875 860.284375 860.284375 99 66875 299b 815.271875 860.271875 860.271875 860.271875 860.271875 860.25 300b
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	815.8 860.8 256a 815.803125 860.803125 257 815.7 860.7 257a 815.790625 860.790625 860.790625 258 815.7 860.7 258a 815.778125 860.778125 860.778125 860.7 259a 815.7 65625 860.765625 860.765625 860.765625	00625 256b 815.809375 860.809375 9375 257b 815.796875 860.796875 860.796875 860.796875 88125 258b 815.784375 860.784375 39 6875 259b 815.771875 860.771875 860.771875 360 259b 815.771875 860.771875 875 860.771875 860.771875 860.771875 875 875 875 875 875 875 875	815.6 266a 815.678125 860.678125 267 860.678125 267 860.65625 860.65625 268 815.65625 268 815.653125 860.653125 269a 815.640625 860.640625 860.640625 269a 815.640625 860.640625 860.640625	56 58125 58125 58125 5605 5605 567 56875 267b 815.671875 860.671875 860.671875 568 55625 268b 815.659375 569 569 569 569 569 569 569 56	2: 815.5 860.553125 860.553125 860.553125 277a 815.540625 860.540625 277a 815.540625 278a 815.528125 860.528125 278a 815.528125 279a 815.515625 860.515625 279a 815.515625 260.515625 260.515625 2793	76 55625 276b 815.559375 860.559375 77 54375 277b 815.546875 860.546875 860.546875 78 3125 278b 815.534375 278b 815.534375 860.534375 79 51875 279b 815.521875 860.521875 80 50625 280b 815.509375	2863 815.428125 860.428125 860.428125 860.428125 2863 815.428125 2863 815.415625 860.415625 2863 815.43125 860.403125 860.403125 860.403125 860.403125 860.403125 860.390625 2893 815.390625 860.390625 2903 815.3	36 3125 3125 286b 815.434375 860.434375 87 1875 1875 287b 815.421875 860.421875 860.421875 860.421875 860.421875 860.421875 860.409375 9375 9375 289b 815.396875 860.396875 90 8125 8125 290b 815.384375	296a 815.33 296a 815.303125 860.303125 297a 815.290625 860.290625 860.290625 298a 815.278125 860.278125 860.278125 860.278125 860.278125 860.278125 860.265625 860.265625 860.265625 300 815.2 860.265625	96 90625 296b 815.309375 860.309375 9375 9375 9375 9375 860.296875 860.296875 860.296875 860.284375 860.284375 860.284375 99 66875 299b 815.271875 860.271875 90 5525



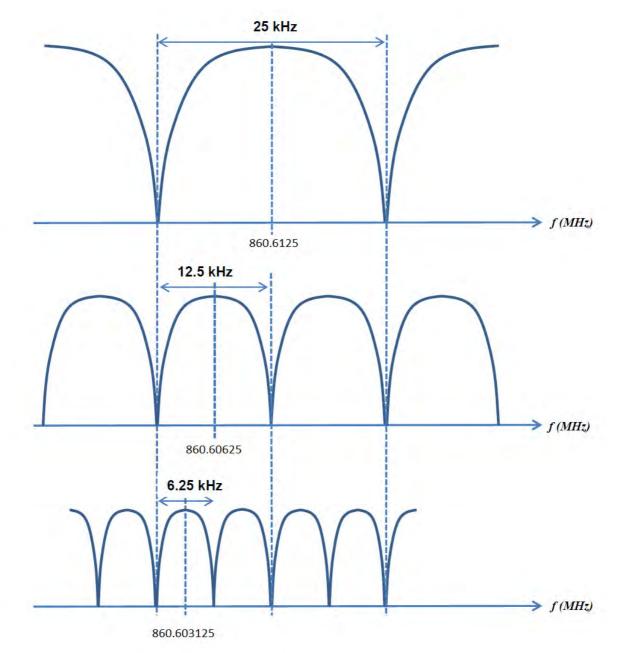
Ch. No.	30)1	31	11	32	21	33	31	34	1
Base Rx	815.2	4375	815.1	.1875	814.9	9375	814.8	6875	814.7	4375
Base Tx	860.2	4375	860.1	.1875	859.9	9375	859.8	6875	859.7	4375
Ch. No.	301a	301b	311a	311b	321a	321b	331a	331b	341a	341b
Base Rx	815.240625	815.246875	815.115625	815.121875	814.990625	814.996875	814.865625	814.871875	814.740625	814.746875
Base Tx	860.240625	860.246875	860.115625	860.121875	859.990625	859.996875	859.865625	859.871875	859.740625	859.746875
Ch. No.	30	-	31	12	32	22	33	32	34	12
Base Rx	815.2	3125	815.1	.0625	814.9	8125	814.8	5625	814.7	3125
Base Tx	860.2	3125	860.1	.0625	859.9	8125	859.8	5625	859.7	3125
Ch. No.	302a	302b	312a	312b	322a	322b	332a	332b	342a	342b
Base Rx	815.228125	815.234375	815.103125	815.109375	814.978125	814.984375	814.853125	814.859375	814.728125	814.734375
Base Tx	860.228125	860.234375	860.103125	860.109375	859.978125	859.984375	859.853125	859.859375	859.728125	859.734375
Ch. No.	30)3	31	13	32	23	33	33	34	13
Base Rx	815.2	1875	815.0	9375	814.9	6875	814.8	4375	814.7	1875
Base Tx	860.2	1875	860.0	9375	859.9	6875	859.8	4375	859.7	1875
Ch. No.	303a	303b	313a	313b	323a	323b	333a	333b	343a	343b
Base Rx	815.215625	815.221875	815.090625	815.096875	814.965625	814.971875	814.840625	814.846875	814.715625	814.721875
Base Tx	860.215625	860.221875	860.090625	860.096875	859.965625	859.971875	859.840625	859.846875	859.715625	859.721875
Ch. No.	30)4	31	L4	32	24	33	34	34	4
Base Rx	815.2	0625	815.0	8125	814.9	95625	814.8	3125	814.7	0625
Base Tx	860.2		860.0	8125	859.9		859.8	3125	859.7	0625
Ch. No.	304a	304b	314a	314b	324a	324b	334a	334b	344a	344b
Base Rx	815.203125	815.209375	815.078125	815.084375	814.953125	814.959375	814.828125	814.834375	814.703125	814.709375
Base Tx	860.203125	860.209375	860.078125	860.084375	859.953125	859.959375	859.828125	859.834375	859.703125	859.709375
Ch. No.	30)5	31	15	32	25	33	35	34	15
Base Rx	815.1	.9375	815.0	6875	814.9	4375	814.8	1875	814.6	9375
Base Tx	860.1	.9375	860.0	6875	859.9	4375	859.8	1875	859.6	9375
Ch. No.	305a	305b	315a	315b	325a	325b	335a	335b	345a	345b
Base Rx	815.190625	815.196875	815.065625	815.071875	814.940625	814.946875	814.815625	814.821875	814.690625	814.696875
Base Tx	860.190625	860.196875	860.065625	860.071875	859.940625	859.946875	859.815625	859.821875	859.690625	859.696875
Ch. No.	30	06	31	16	32	26	33	36	34	16
Base Rx	815.1	.8125	815.0	5625	814.9	3125	814.8	0625	814.6	8125
Base Tx	860.1	.8125	860.0	5625	859.9	3125	859.8	0625	859.6	8125
Ch. No.	306a	306b	316a	316b	326a	326b	336a	336b	346a	346b
Base Rx	815.178125	815.184375	815.053125	815.059375	814.928125	814.934375	814.803125	814.809375	814.678125	814.684375
Base Tx	860.178125	860.184375	860.053125	860.059375	859.928125	859.934375	859.803125	859.809375	859.678125	859.684375
Ch. No.	30)7	31	17	32	27	33	37	34	17
Base Rx	815.1	.6875	815.0	4375	814.9	91875	814.7	9375	814.6	6875
Base Tx	860.1	.6875	860.0	4375	859.9	1875	859.7	9375	859.6	6875
Ch. No.	307a	307b	317a	317b	327a	327b	337a	337b	347a	347b
Base Rx	815.165625	815.171875	815.040625	815.046875	814.915625	814.921875	814.790625	814.796875	814.665625	814.671875
Base Tx	860.165625	860.171875	860.040625	860.046875	859.915625	859.921875	859.790625	859.796875	859.665625	859.671875
Ch. No.	30)8	31	18	32	28	33	38	34	18
Base Rx		.5625		3125		0625	814.7		814.6	
Base Tx		.5625		3125		0625	859.7		859.6	
Ch. No.	308a	308b	318a	318b	328a	328b	338a	338b	348a	348b
Base Rx		815.159375		815.034375		814.909375		814.784375		814.659375
Base Tx		860.159375		860.034375		859.909375		859.784375		859.659375
Ch. No.)9		19		29	33		34	
Base Rx	815.1			1875		9375	814.7		814.6	
Base Tx		.4375		1875		9375	859.7		859.6	
Ch. No.	309a	309b	319a	319b	329a	329b	339a	339b	349a	349b
Base Rx	815.140625			815.021875			814.765625			814.646875
Base Tx		860.146875		860.021875		859.896875		859.771875		859.646875
Ch. No.		10		20		30	34		35	
Base Rx	815.1	.3125	815.0			8125	814.7		814.6	
				10025	950 9	88125	859.7	5625	859.6	3125
Base Tx	860.1		860.0							
Base Tx Ch. No.	860.1 310a	310b	320a	320b	330a	330b	340a	340b	350a	350b
Base Tx	860.1	310b 815.134375		320b 815.009375		330b 814.884375		814.759375	350a 814.628125 859.628125	350b 814.634375 859.634375



Ch. No.	35	51	36	51	3	71	38	31	39	91
Base Rx	814.6	51875	814.4	9375	814.3	36875	814.2	4375	814.1	1875
Base Tx	859.6	51875	859.4	9375	859.3	36875	859.2	4375	859.1	1875
Ch. No.	351a	351b	361a	361b	371a	371b	381a	381b	391a	391b
Base Rx	814.615625	814.621875	814.490625	814.496875	814.365625	814.371875	814.240625	814.246875	814.115625	814.121875
Base Tx	859.615625	859.621875	859.490625	859.496875	859.365625		859.240625	859.246875	859.115625	859.121875
Ch. No.	35		36			72	38		39	
			814.4						814.1	
Base Rx	814.6					35625	814.2			
Base Tx	859.6		859.4		859.3		859.2		859.1	
Ch. No.	352a	352b	362a	362b	372a	372b	382a	382b	392a	392b
Base Rx	814.603125	814.609375	814.478125	814.484375	814.353125	814.359375	814.228125	814.234375	814.103125	814.109375
Base Tx	859.603125	859.609375	859.478125	859.484375	859.353125	859.359375	859.228125	859.234375	859.103125	859.109375
Ch. No.	35	53	36	53	3	73	38	33	39	93
Base Rx	814.5	9375	814.4	6875	814.3	34375	814.2	1875	814.0	9375
Base Tx	859.5		859.4			34375	859.2		859.0	
Ch. No.	353a	353b	363a	363b	373a	373b	383a	383b	393a	393b
Base Rx	814.590625	814.596875	814.465625	814.471875	814.340625	814.346875	814.215625	814.221875	814.090625	814.096875
Base Tx	859.590625	859.596875	859.465625	859.471875	859.340625			859.221875	859.090625	859.096875
Ch. No.	35		36			74	38		39	
Base Rx	814.5	8125	814.4	5625	814.3	33125	814.2	0625	814.0	08125
Base Tx	859.5	8125	859.4	5625	859.3	33125	859.2	0625	859.0	08125
Ch. No.	354a	354b	364a	364b	374a	374b	384a	384b	394a	394b
Base Rx	814.578125	814.584375	814.453125	814.459375	814.328125	814.334375	814.203125	814.209375	814.078125	814.084375
Base Tx	859.578125		859.453125		859.328125			859.209375	859.078125	859.084375
Ch. No.	35	55	36		3.	75	38		39	95
Base Rx	814.5		814.4		814.3		814.1		814.0	
Base Tx	859.5		859.4			31875	859.1		859.0	
Ch. No.	355a	355b	365a	365b	375a	375b	385a	385b	395a	395b
Base Rx	814.565625	814.571875	814.440625	814.446875	814.315625		814.190625	814.196875	814.065625	814.071875
Base Tx	859.565625	859.571875	859.440625	859.446875	859.315625	859.321875	859.190625	859.196875	859.065625	859.071875
										033.071073
Ch. No.	35	56	36	56	3	76	38		39	
Ch. No. Base Rx	35 814.5		36 814.4		3 814.3	76	38 814.1	36		96
		5625		3125	814.3	76		86 8125	39	96)5625
Base Rx	814.5	5625	814.4	3125	814.3	76 30625	814.1	86 8125	39 814.0	96)5625
Base Rx Base Tx	814.5 859.5	5625 5625	814.4 859.4	3125 3125	814.3 859.3	76 30625 30625	814.1 859.1	86 8125 8125	39 814.0 859.0	96 95625 95625
Base Rx Base Tx Ch. No. Base Rx	814.5 859.5 356a 814.553125	5625 5625 356b 814.559375	814.4 859.4 366a 814.428125	3125 3125 366b 814.434375	814.3 859.3 376a 814.303125	76 30625 30625 376b 814.309375	814.1 859.1 386a 814.178125	36 8125 8125 386b 814.184375	39 814.0 859.0 396a 814.053125	96 05625 05625 396b 814.059375
Base Rx Base Tx Ch. No. Base Rx Base Tx	814.5 859.5 356a 814.553125 859.553125	5625 5625 356b 814.559375 859.559375	814.4 859.4 366a 814.428125 859.428125	3125 3125 366b 814.434375 859.434375	814.3 859.3 376a 814.303125 859.303125	76 30625 30625 376b 814.309375 859.309375	814.1 859.1 386a 814.178125 859.178125	36 8125 8125 386b 814.184375 859.184375	39 814.0 859.0 396a 814.053125 859.053125	96 95625 95625 396b 814.059375 859.059375
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 35	5625 55625 356b 814.559375 859.559375 57	814.4 859.4 366a 814.428125 859.428125 36	3125 3125 366b 814.434375 859.434375 57	814.3 859.3 376a 814.303125 859.303125 3	76 30625 30625 376b 814.309375 859.309375 77	814.1 859.1 386a 814.178125 859.178125 38	36 8125 8125 386b 814.184375 859.184375 37	39 814.0 859.0 396a 814.053125 859.053125 39	96 95625 95625 396b 814.059375 859.059375 97
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	814.5 859.5 356a 814.553125 859.553125 35 859.553125 859.553125	5625 55625 356b 814.559375 859.559375 57 54375	814.4 859.4 366a 814.428125 859.428125 36 814.4	3125 3125 366b 814.434375 859.434375 57 1875	814.3 859.3 376a 814.303125 859.303125 3 859.303125 3 814.2	76 30625 30625 376b 814.309375 859.309375 77 29375	814.1 859.1 386a 814.178125 859.178125 38 814.1	6 8125 8125 386b 814.184375 859.184375 87 6875	39 814.0 396a 814.053125 859.053125 39 814.0 814.0	96 15625 396b 814.059375 859.059375 97 14375
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	814.5 859.5 356a 814.553125 859.553125 35 814.5 859.5 814.5	5625 5625 356b 814.559375 859.559375 57 4375 4375	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4	3125 3125 366b 814.434375 859.434375 57 1875 1875	814.3 859.3 376a 814.303125 859.303125 3 814.2 859.2	76 30625 376b 814.309375 859.309375 77 29375 29375	814.1 859.1 386a 814.178125 859.178125 38 814.1 859.1	6 8125 8125 386b 814.184375 859.184375 87 6875 6875	39 814.0 859.0 396a 814.053125 859.053125 39 814.0 859.0 814.0 859.0	96 15625 396b 814.059375 859.059375 97 14375 14375
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No.	814.5 859.5 356a 814.553125 35 859.553125 35 814.5 859.5 357a	5625 356b 814.559375 859.559375 57 4375 4375 357b	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4 367a	3125 366b 814.434375 859.434375 7 1875 1875 367b	814.3 859.3 376a 814.303125 859.303125 3 814.2 859.2 377a	76 30625 376b 814.309375 859.309375 77 29375 29375 377b	814.1 859.1 386a 814.178125 38 859.178125 38 814.1 859.1 387a	6 8125 8125 386b 814.184375 859.184375 87 6875 6875 387b	39 814.0 859.0 396a 814.053125 859.053125 39 814.0 859.0 397a	96 15625 396b 814.059375 859.059375 97 04375 397b
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx	814.5 859.5 356a 814.553125 859.553125 357 814.5 859.5 357a 814.540625	5625 5625 356b 814.559375 859.559375 57 4375 4375 357b 814.546875	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875	814.3 859.3 376a 814.303125 859.303125 33 814.2 859.2 377a 814.290625	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875	814.1 859.1 386a 814.178125 859.178125 38 814.1 859.1 387a 814.165625	6 8125 8125 386b 814.184375 859.184375 87 6875 6875 6875 387b 814.171875	39 814.0 396a 814.053125 859.053125 39 814.0 859.0 397a 814.040625	96 15625 396b 814.059375 859.059375 97 14375 14375 397b 814.046875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	814.5 859.5 356a 814.553125 859.553125 814.5 859.5 357a 814.540625 859.540625	5625 356b 814.559375 859.559375 34375 43375 357b 814.546875 859.546875	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4 367a 814.415625 859.415625	3125 366b 814.434375 859.434375 77 11875 11875 367b 814.421875 859.421875	814.3 859.3 376a 814.303125 859.303125 33 814.2 859.2 377a 814.290625 859.290625	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875	814.1 859.1 386a 814.178125 38 859.178125 38 814.1 859.1 387a 814.165625 859.165625	6 8125 8125 386b 814.184375 859.184375 87 6875 6875 6875 387b 814.171875 859.171875	30 814.0 859.0 396a 814.053125 859.053125 39 814.0 859.0 397a 814.040625 859.040625	96 15625 396b 814.059375 859.059375 97 04375 04375 397b 814.046875 859.046875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 357 814.5 859.5 357a 814.540625 859.540625 35	5625 356b 814.559375 859.559375 4375 4375 357b 814.546875 859.546875 58	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4 367a 814.415625 859.415625 36	3125 366b 814.434375 859.434375 7 1875 367b 814.421875 859.421875 58	814.3 859.3 376a 814.303125 859.303125 37 814.2 859.2 377a 814.290625 859.290625 33	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 78	814.1 859.1 386a 814.178125 38 859.178125 38 814.1 859.1 387a 814.165625 859.165625 38	6 8125 8125 386b 814.184375 859.184375 87 6875 6875 6875 387b 814.171875 859.171875	39 814.0 396a 814.053125 859.053125 39 814.0 859.0 397a 814.040625 859.040625 39	96 15625 396b 814.059375 859.059375 97 04375 04375 397b 814.046875 859.046875 98
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No. Base Rx	814.5 859.5 356a 814.553125 859.553125 814.5 859.5 357a 814.540625 859.540625 359.540625 859.540625 359.540625	5625 356b 814.559375 859.559375 34375 44375 357b 814.546875 859.546875 58 33125	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4 367a 814.415625 859.415625 36 814.4	3125 366b 814.434375 859.434375 7 1875 367b 814.421875 859.421875 58 00625	814.3 859.3 376a 814.303125 859.303125 373 814.2 859.2 377a 814.290625 859.290625 33 814.2	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 78 28125	814.1 859.1 386a 814.178125 38 859.178125 3874 814.1 859.1 387a 814.165625 859.165625 38 814.1	6 8125 8125 386b 814.184375 859.184375 87 6875 6875 6875 387b 814.171875 859.171875 859.171875	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 859.040625 305 859.040625 859.040625	96 15625 396b 814.059375 859.059375 97 04375 04375 397b 814.046875 859.046875 859.046875 98 93125
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 357a 814.540625 859.540625 357a 814.540625 859.540625 357 814.540625	5625 356b 814.559375 859.559375 4375 4375 357b 814.546875 859.546875 859.546875 58 3125 3125	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4 367a 814.415625 859.415625 36	3125 366b 814.434375 859.434375 7 1875 367b 814.421875 859.421875 58 00625	814.3 859.3 376a 814.303125 859.303125 377a 814.290625 859.290625 37 814.2 859.290625 37 814.2 859.290625	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 78	814.1 859.1 386a 814.178125 38 859.178125 38 814.1 859.1 387a 814.165625 859.165625 38	6 8125 8125 386b 814.184375 859.184375 87 6875 6875 6875 387b 814.171875 859.171875 859.171875	39 814.0 396a 814.053125 859.053125 39 814.0 859.0 397a 814.040625 859.040625 39	96 15625 396b 814.059375 859.059375 97 04375 04375 397b 814.046875 859.046875 859.046875 98 93125
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Tx Ch. No. Base Rx	814.5 859.5 356a 814.553125 859.553125 814.5 859.5 357a 814.540625 859.540625 359.540625 859.540625 359.540625	5625 356b 814.559375 859.559375 34375 44375 357b 814.546875 859.546875 58 33125	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4 367a 814.415625 859.415625 36 814.4	3125 366b 814.434375 859.434375 7 1875 367b 814.421875 859.421875 58 00625	814.3 859.3 376a 814.303125 859.303125 373 814.2 859.2 377a 814.290625 859.290625 33 814.2	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 78 28125	814.1 859.1 386a 814.178125 38 859.178125 387a 814.165625 859.165625 38 814.1 859.1 388a	6 8125 8125 386b 814.184375 859.184375 859.184375 6875 6875 6875 387b 814.171875 859.171875 859.171875 85 5625 5625 5625 388b	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 859.040625 305 859.040625 859.040625	96 15625 396b 814.059375 859.059375 97 04375 04375 397b 814.046875 859.046875 859.046875 98 93125
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx	814.5 859.5 356a 814.553125 859.553125 357a 814.540625 859.540625 357 814.540625 358a 814.5	5625 356b 814.559375 859.559375 4375 4375 357b 814.546875 859.546875 859.546875 58 3125 3125	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4 367a 814.415625 859.415625 36 814.4 859.4 859.4 368a	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 58 0625 0625	814.3 859.3 376a 814.303125 859.303125 377a 814.290625 859.290625 37 814.2 859.2 859.290625 37 814.2 859.2 8	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 78 28125 28125	814.1 859.1 386a 814.178125 38 859.178125 387a 814.165625 859.165625 38 814.1 859.1 388a	6 8125 8125 386b 814.184375 859.184375 87 6875 6875 6875 387b 814.171875 859.171875 88 5625 5625	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.040625 3973 814.040625 3973 814.040625 3973 814.040625	96 15625 396b 814.059375 859.059375 97 44375 44375 397b 814.046875 859.046875 859.046875 98 93125 93125
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 356a 814.553125 859.553125 357a 814.540625 859.540625 357a 814.540625 359.540625 358a 814.5 859.5 358a 814.528125	5625 356b 814.559375 859.559375 4375 4375 357b 814.546875 859.546875 58 3125 3125 358b	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4 367a 814.415625 859.415625 36 814.4 859.4 368a 814.403125	3125 366b 814.434375 859.434375 57 1875 367b 814.421875 859.421875 58 0625 0625 368b	814.3 859.3 376a 814.303125 859.303125 377a 814.290625 859.290625 37 814.2 859.2 859.290625 37 814.2 859.2 8	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 78 81425 8125 8125 81425 814.284375	814.1 859.1 386a 814.178125 38 859.178125 387a 814.165625 859.165625 38 814.165625 38 814.1 859.1 388a 814.153125	6 8125 8125 386b 814.184375 859.184375 859.184375 6875 6875 387b 814.171875 859.171875 859.171875 85 5625 5625 5625 388b	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.040625 3983 814.028125	96 15625 396b 814.059375 859.059375 97 44375 44375 397b 814.046875 859.046875 859.046875 98 93125 398b
Base Rx Base Tx Ch. No. Base Rx	814.5 356a 814.553125 859.553125 357a 814.540625 859.540625 357a 814.540625 359.540625 358a 814.5 859.5 358a 814.528125	5625 356b 814.559375 859.559375 64375 44375 357b 814.546875 859.546875 58 3125 3125 358b 814.534375 859.534375	814.4 859.4 366a 814.428125 859.428125 36 814.4 859.4 367a 814.415625 859.415625 36 814.4 859.4 368a 814.403125	3125 366b 814.434375 859.434375 57 1875 367 1875 367b 814.421875 859.421875 58 0625 0625 368b 814.409375 859.409375	814.3 376a 814.303125 859.303125 33 814.2 859.2 377a 814.290625 859.290625 33 814.2 859.2 378a 814.278125 859.278125	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 78 28125 28125 28125 378b 814.284375	814.1 859.1 386a 814.178125 38 859.178125 387a 814.165625 859.165625 38 814.165625 38 814.1 859.1 388a 814.153125	6 8125 386b 814.184375 859.184375 37 6875 6875 6875 387b 814.171875 859.171875 38 5625 5625 388b 814.159375 859.159375	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.040625 3973 814.025 859.028125	96 15625 396b 814.059375 859.059375 97 4375 4375 397b 814.046875 859.046875 859.046875 98 93125 398b 814.034375
Base Rx Base Tx Ch. No. Base Rx Base Tx	814.5 356a 814.553125 859.553125 357a 814.540625 859.540625 357a 814.540625 359.540625 358a 814.5 859.528125 859.528125	5625 356b 814.559375 859.559375 64375 44375 357b 814.546875 859.546875 58 3125 33125 358b 814.534375 859.534375	814.4 859.4 366a 814.428125 859.428125 367 814.4 367a 814.415625 859.415625 36 814.4 859.4 368a 814.403125 859.403125	3125 366b 814.434375 859.434375 57 1875 367 1875 367b 814.421875 859.421875 58 0625 0625 368b 814.409375 859.409375 59	814.3 376a 814.303125 859.303125 31 814.2 859.2 377a 814.290625 33 814.2 859.290625 33 814.2 859.2 378a 814.2 859.2 378a 814.278125 859.278125 33	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 78 28125 28125 378b 814.284375 859.284375	814.1 859.1 386a 814.178125 3859.178125 387a 814.165625 859.165625 3884 814.1 859.1 388a 814.153125 859.153125	6 8125 386b 814.184375 859.184375 37 6875 6875 6875 387b 814.171875 859.171875 38 5625 5625 388b 814.159375 859.159375	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.040625 3973 814.025 859.028125	96 15625 396b 814.059375 859.059375 97 04375 04375 04375 814.046875 859.046875 98 93125 93125 93125 398b 814.034375 859.034375 99
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 356a 814.553125 859.553125 357a 814.540625 859.540625 357a 814.540625 358a 814.5 859.5 358a 814.528125 859.528125 358a 814.528125 358a 814.528125	5625 356b 814.559375 859.559375 64375 44375 357b 814.546875 859.546875 58 3125 3125 358b 814.534375 859.534375 59 1875	814.4 859.4 366a 814.428125 859.428125 367 814.4 367a 814.415625 859.415625 36 814.4 859.4 368a 814.403125 859.403125 36 814.3	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 58 0625 368b 814.409375 859.409375 59 99375	814.3 376a 814.303125 859.303125 33 814.2 859.2 377a 814.290625 33 814.2 859.290625 33 814.2 859.2 378a 814.278125 859.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 33 814.278125 859.278125 33 814.278125 859.2785 859.27825 859.2785 859.2785 859	76 30625 376b 814.309375 859.309375 77 29375 29375 29375 377b 814.296875 859.296875 78 28125 28125 378b 814.284375 859.284375 859.284375 79 26875	814.1 859.1 386a 814.178125 3859.178125 387a 814.165625 859.165625 3884 814.1 859.1 388a 814.153125 859.153125 388 814.1	6 8125 8125 386b 814.184375 859.184375 859.184375 857 6875 6875 387b 814.171875 859.171875 859.171875 859.159375 859.159375 19 4375	3963 814.0 3963 814.053125 859.053125 314.053125 314.053125 314.040625 3973 814.040625 3973 814.040625 3973 814.040625 3973 814.025 859.028125 859.028125 305	96 15625 396b 814.059375 859.059375 97 04375 04375 397b 814.046875 859.046875 98 93125 93125 398b 814.034375 859.034375 99 91875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 357a 814.540625 859.540625 357a 814.540625 358a 814.528125 859.528125 358a 814.528125 814.528585 81585 81585 81585 81585 81585 815855 81585 81585 8	5625 356b 814.559375 859.559375 64375 44375 44375 814.546875 859.546875 63 125 33125 358b 814.534375 859.534375 59 11875	814.4 859.4 366a 814.428125 859.428125 367 814.4 367a 814.415625 859.415625 368 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 58 0625 368b 814.409375 859.409375 59 19375	814.3 376a 814.303125 859.303125 31 814.2 859.2 377a 814.290625 33 814.290625 33 814.2 859.290625 33 814.2 859.2 378a 814.278125 859.278125 33 814.2 859.278125 33	76 30625 376b 814.309375 859.309375 77 29375 29375 29375 377b 814.296875 859.296875 78 28125 28125 378b 814.284375 859.284375 79 26875 26875	814.1 859.1 386a 814.178125 359.178125 387a 814.165625 387a 814.165625 3884 814.1 859.1 388a 814.153125 859.153125 38 814.1 859.1 3884	6 8125 8125 386b 814.184375 859.184375 7 6875 6875 6875 387b 814.171875 859.171875 859.171875 859.159375 859.159375 19 4375 4375	3963 814.0 3963 814.053125 859.053125 33973 814.040625 859.040625 33973 814.040625 33973 814.040625 33973 814.028125 859.028125 33983 814.028125 33983 814.028125 33983	96 15625 396b 814.059375 859.059375 97 04375 04375 397b 814.046875 859.046875 98 93125 93125 398b 814.034375 859.034375 99 91875 91875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 357a 814.540625 859.540625 357a 814.540625 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 358a	5625 356b 814.559375 859.559375 64375 44375 44375 814.546875 859.546875 859.546875 63125 33125 33125 358b 814.534375 859.534375 59 11875 13875 13875	814.4 859.4 366a 814.428125 859.428125 367 814.4 367a 814.415625 859.415625 368 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3 369a	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 58 0625 368b 814.409375 859.409375 99375 99375 369b	814.3 376a 814.303125 859.303125 33 814.2 859.2 377a 814.290625 859.290625 33 814.2 859.2 378a 814.278125 859.278125 378a 814.278125 378a 814.278125 378a 814.278125 378a	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 78 28125 378b 814.284375 859.284375 79 26875 26875 26875 26875 379b	814.1 859.1 386a 814.178125 3859.178125 387a 814.165625 859.165625 3884 814.1 859.1 388a 814.153125 859.153125 388 814.1 859.1 388a 814.1 388a	6 8125 8125 386b 814.184375 859.184375 7 6875 6875 6875 387b 814.171875 859.171875 88 5625 5625 388b 814.159375 859.159375 89 4375 4375 389b	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.025 859.040625 3983 814.028125 859.028125 3983 814.028125 3993	96 15625 396b 814.059375 859.059375 97 04375 04375 397b 814.046875 859.046875 98 93125 93125 93125 398b 814.034375 859.034375 99 11875 399b
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 357a 814.540625 859.540625 357a 814.540625 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 359a 814.515625	5625 356b 814.559375 859.559375 67 64375 64375 64375 814.546875 859.546875 859.546875 68 63125 63125 63125 63125 859.534375 69 11875 13875 13875 13875 13875 1359b 814.521875	814.4 859.4 366a 814.428125 859.428125 367 814.4 859.4 367a 814.415625 367 814.415625 368a 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3 369a 814.390625	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 58 0625 368b 814.409375 859.409375 99375 99375 369b 814.396875	814.3 376a 814.303125 859.303125 377 814.2 859.2 377a 814.290625 377a 814.290625 378a 814.2 859.2 378a 814.278125 859.278125 378a 814.2 859.2 378a 814.2 859.2 814.2 859.2 379a 814.265625	76 30625 376b 814.309375 859.309375 77 29375 29375 29375 377b 814.296875 859.296875 859.296875 78 814.284375 859.284375 79 26875 56875 379b 814.271875	814.1 859.1 386a 814.178125 859.178125 387 814.1 859.1 387a 814.165625 388 814.165625 388a 814.155125 859.153125 859.153125 389 814.1 859.1 389a 814.140625	36 8125 386b 814.184375 859.184375 387b 6875 387b 814.171875 859.171875 859.171875 859.171875 859.171875 859.171875 859.171875 859.171875 859.159375 859.159375 387b 4375 389b 814.146875	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.028125 859.028125 3983 814.028125 3993 814.0 859.0 3993 814.015625	96 15625 396b 814.059375 859.059375 97 04375 04375 397b 814.046875 859.046875 98 93125 93125 93125 93125 93125 93125 93925 814.034375 99 11875 399b 814.021875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 356a 814.553125 859.553125 357a 814.540625 357a 814.540625 357a 814.540625 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 359a 814.55625	5625 356b 814.559375 859.559375 7 44375 44375 357b 814.546875 859.546875 8 814.546875 8 3125 3125 358b 814.534375 859.534375 59 59 51875 359b 814.521875 859.521875	814.4 859.4 366a 814.428125 859.428125 367 814.4 859.4 367a 814.415625 859.415625 368 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3 369a 814.390625 859.390625	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 58 0625 368b 814.409375 368b 814.409375 369 9375 39 9375 369b 814.396875 859.396875	814.3 376a 814.303125 859.303125 33 814.2 859.2 377a 814.290625 33 814.290625 33 814.2 859.290625 33 814.2 859.2 378a 814.278125 33 814.25825 379a 814.265625 859.265625	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 88125 88125 81425 81425 814.284375 859.284375 79 26875 26875 379b 814.271875 859.271875	814.1 859.1 386a 814.178125 859.178125 387 814.165625 387a 814.165625 388 814.165625 388a 814.153125 859.153125 388a 814.153125 388a 814.153125 389a 814.140625 859.140625	36 8125 386b 814.184375 859.184375 357 6875 6875 387b 814.171875 859.171875 88 5625 388b 814.159375 859.159375 39 4375 389b 814.146875 389b	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.028125 859.028125 3983 814.028125 3983 814.028125 3993 814.015625 859.015625	96 15625 396b 814.059375 859.059375 97 44375 94375 397b 814.046875 859.046875 98 93125 93125 93125 93125 93125 93925 859.034375 99 11875 399b 814.021875 859.021875
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 356a 814.553125 859.553125 357a 814.540625 357a 814.540625 859.540625 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 359a 814.515625 859.515625 359a	5625 356b 814.559375 859.559375 67 44375 44375 357b 814.546875 859.546875 88 3125 3125 358b 814.534375 859.534375 59 51875 359b 814.521875 859.521875 50	814.4 859.4 366a 814.428125 859.428125 367 814.4 859.4 367a 814.415625 859.415625 368 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3 369a 814.390625 859.390625 37	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.409375 368b 814.409375 369b 814.396875 859.396875 70	814.3 376a 814.303125 859.303125 373 814.2 859.2 377a 814.290625 377a 814.290625 378 814.2 859.2 378a 814.2 859.2 378a 814.278125 33 814.2 859.2 379a 814.265625 859.265625 33	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 859.296875 28125 378b 814.284375 859.284375 79 26875 26875 379b 814.271875 859.271875	814.1 859.1 386a 814.178125 859.178125 387 814.165625 387a 814.165625 388 814.165625 388a 814.153125 859.153125 388a 814.153125 388a 814.153125 388a 814.165625 389a 814.140625 859.140625 859.140625 39	36 8125 386b 814.184375 859.184375 357 6875 6875 387b 814.171875 859.171875 88 5625 388b 814.159375 859.159375 39 4375 389b 814.146875 859.146875 389b	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.028125 3983 814.028125 3983 814.028125 3983 814.028125 3993 814.015625 859.015625 40	96 15625 396b 814.059375 859.059375 97 44375 94375 397b 814.046875 859.046875 98 93125 93125 93125 93125 93925 814.034375 859.034375 99 11875 399b 814.021875 859.021875 00
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 357a 814.540625 357a 814.540625 357a 814.540625 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 359a 814.515625 859.515625 36 814.5	5625 356b 814.559375 859.559375 7 44375 44375 357b 814.546875 859.546875 8 859.546875 8 3125 3125 358b 814.534375 859.534375 59 59 51875 359b 814.521875 859.521875 50 60625	814.4 859.4 366a 814.428125 859.428125 367 814.4 859.4 367a 814.415625 859.415625 368 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3 369a 814.390625 859.390625 37 814.3	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.409375 368b 814.409375 369b 814.396875 859.396875 70 8125	814.3 376a 814.303125 859.303125 373 814.2 859.2 377a 814.290625 377a 814.290625 377a 814.290625 378a 814.2 859.2 378a 814.278125 378a 814.278125 378a 814.25625 859.265625 379a 814.265625 859.265625 3814.2	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 814.284375 814.284375 859.284375 79 26875 26875 379b 814.271875 859.271875 859.271875 80 25625	814.1 859.1 386a 814.178125 859.178125 387 814.165625 387a 814.165625 388 814.165625 388a 814.153125 859.153125 388a 814.153125 388a 814.125125 388a 814.140625 859.140625 859.140625 359 814.1	36 8125 386b 814.184375 859.184375 357 6875 6875 387b 814.171875 859.171875 88 5625 388b 814.159375 859.159375 39 4375 389b 814.146875 859.146875 389b 814.146875 859.146875 3125	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.028125 859.028125 3983 814.028125 3983 814.028125 3993 814.015625 859.015625 400 814.01	96 15625 396b 814.059375 859.059375 97 44375 94375 397b 814.046875 859.046875 98 93125 93125 93125 93125 93125 93925 1875 1875 399b 814.021875 859.021875 00 00625
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 356a 814.553125 859.553125 357a 814.540625 357a 814.540625 859.540625 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 359a 814.515625 859.515625 359a	5625 356b 814.559375 859.559375 7 44375 44375 357b 814.546875 859.546875 8 3125 3125 358b 814.534375 859.534375 359 814.521875 359b 814.521875 859.521875 50 00625	814.4 859.4 366a 814.428125 859.428125 367 814.4 859.4 367a 814.415625 859.415625 368 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3 369a 814.390625 859.390625 37	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.409375 368b 814.409375 859.409375 369b 814.396875 859.396875 70 8125 8125	814.3 376a 814.303125 859.303125 373 814.2 859.2 377a 814.290625 377a 814.290625 377a 814.290625 378a 814.2 859.2 378a 814.278125 378a 814.278125 378a 814.25625 859.265625 379a 814.265625 859.265625 3814.2	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 859.296875 28125 378b 814.284375 859.284375 79 26875 26875 379b 814.271875 859.271875 859.271875 80 25625	814.1 859.1 386a 814.178125 859.178125 387a 814.165625 859.165625 388a 814.165625 388a 814.153125 859.153125 388a 814.153125 389a 814.140625 859.140625 359.	36 8125 8125 386b 814.184375 859.184375 37 6875 6875 387b 814.171875 859.171875 88 5625 388b 814.159375 859.159375 39 4375 389b 814.146875 859.146875 300 3125 3125	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.028125 3983 814.028125 3983 814.028125 3983 814.028125 3983 814.028125 3993 814.015625 859.015625 400 814.0 859.0	96 15625 396b 814.059375 859.059375 97 44375 94375 397b 814.046875 859.046875 98 93125 93125 93125 93125 93125 93925 1875 1875 399b 814.021875 859.021875 00 00625
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 357a 814.540625 357a 814.540625 357a 814.540625 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 359a 814.515625 859.515625 36 814.5	5625 356b 814.559375 859.559375 7 44375 44375 357b 814.546875 859.546875 8 859.546875 8 3125 3125 358b 814.534375 859.534375 59 59 51875 359b 814.521875 859.521875 50 60625	814.4 859.4 366a 814.428125 859.428125 367 814.4 859.4 367a 814.415625 859.415625 368 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3 369a 814.390625 859.390625 37 814.3	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.409375 368b 814.409375 369b 814.396875 859.396875 70 8125	814.3 376a 814.303125 859.303125 373 814.2 859.2 377a 814.290625 377a 814.290625 377a 814.290625 378a 814.2 859.2 378a 814.278125 378a 814.278125 378a 814.25625 859.265625 379a 814.265625 859.265625 3814.2	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 814.284375 814.284375 859.284375 79 26875 26875 379b 814.271875 859.271875 859.271875 80 25625	814.1 859.1 386a 814.178125 859.178125 387 814.165625 387a 814.165625 388 814.165625 388a 814.153125 859.153125 388a 814.153125 388a 814.125125 388a 814.140625 859.140625 859.140625 359 814.1	36 8125 386b 814.184375 859.184375 357 6875 6875 387b 814.171875 859.171875 88 5625 388b 814.159375 859.159375 39 4375 389b 814.146875 859.146875 389b 814.146875 859.146875 3125	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3973 814.028125 859.028125 3983 814.028125 3983 814.028125 3993 814.015625 859.015625 400 814.01	96 15625 396b 814.059375 859.059375 97 44375 94375 397b 814.046875 859.046875 98 93125 93125 93125 93125 93125 93925 1875 1875 399b 814.021875 859.021875 00 00625
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 357 814.5 859.5 357a 814.540625 859.540625 357a 814.540625 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 359a 814.515625 859.515625 36 814.5 859.5 36 814.5 859.5	5625 356b 814.559375 859.559375 7 44375 44375 357b 814.546875 859.546875 8 3125 3125 358b 814.534375 859.534375 359 814.521875 359b 814.521875 859.521875 50 00625	814.4 859.4 366a 814.428125 859.428125 367 814.4 859.4 367a 814.415625 859.415625 368 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3 369a 814.390625 859.390625 37 814.3 859.3 370a	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.409375 368b 814.409375 859.409375 9375 369b 814.396875 859.396875 70 8125 8125	814.3 376a 814.303125 859.303125 373 814.2 859.2 377a 814.290625 377a 814.290625 377a 814.290625 377a 814.290625 378a 814.2 859.2 378a 814.278125 378a 814.25825 379a 814.265625 859.265625 33 814.2 859.2 379a	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 859.296875 28125 378b 814.284375 859.284375 79 26875 26875 379b 814.271875 859.271875 859.271875 80 25625	814.1 859.1 386a 814.178125 859.178125 387a 814.165625 859.165625 388a 814.155625 388a 814.153125 388a 814.153125 389a 814.1 859.1 389a 814.140625 859.140625 359.1406	36 8125 8125 386b 814.184375 859.184375 37 6875 6875 387b 814.171875 859.171875 88 5625 388b 814.159375 859.159375 39 4375 389b 814.146875 859.146875 300 3125 3125	3963 814.0 3963 814.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3983 814.028125 859.028125 3983 814.028125 3983 814.028125 3983 814.028125 3993 814.015625 859.015625 400 859.00	96 15625 396b 814.059375 859.059375 97 44375 397b 814.046875 859.046875 98 93125 93125 93125 938b 814.034375 859.034375 99 91875 99 91875 1875 399b 814.021875 859.021875 90 90625 90 90625 90 90625
Base Rx Base Tx Ch. No. Base Rx Base Tx Ch. No.	814.5 859.5 356a 814.553125 859.553125 859.553125 357a 814.540625 859.540625 859.540625 358a 814.528125 358a 814.528125 358a 814.528125 358a 814.528125 359a 814.515625 859.515625 360a	5625 356b 814.559375 859.559375 7 44375 44375 357b 814.546875 859.546875 859.546875 859.546875 3125 3125 3125 3125 358b 814.534375 859.534375 359 814.521875 859.521875 859.521875 50 0625 50 0625 360b 814.509375	814.4 859.4 366a 814.428125 859.428125 367 814.4 859.4 367a 814.415625 859.415625 368 814.4 859.4 368a 814.403125 859.403125 368a 814.3 859.3 369a 814.390625 859.390625 370a 814.378125	3125 366b 814.434375 859.434375 57 1875 1875 367b 814.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.421875 859.409375 368b 814.409375 369b 814.396875 859.396875 70 8125 8125 8125 370b	814.3 376a 814.303125 859.303125 373 814.2 859.2 377a 814.290625 377a 814.290625 377a 814.290625 377a 814.290625 378a 814.2 859.2 378a 814.278125 378a 814.25825 379a 814.265625 859.265625 380a 814.253125	76 30625 376b 814.309375 859.309375 77 29375 29375 377b 814.296875 859.296875 859.296875 28125 378b 814.284375 859.284375 79 26875 379b 814.271875 859.271875 30 25625 380b	814.1 859.1 386a 814.178125 859.178125 387a 814.165625 859.165625 388a 814.165625 388a 814.153125 859.153125 388a 814.153125 389a 814.140625 859.140625 359.	36 8125 386b 814.184375 859.184375 859.184375 6875 6875 387b 814.171875 859.171875 88 5625 388b 814.159375 859.159375 39 4375 389b 814.146875 859.146875 300b	3963 814.053125 859.053125 859.053125 3973 814.040625 859.040625 3973 814.040625 3973 814.040625 3983 814.028125 859.028125 3983 814.028125 3983 814.028125 3993 814.015625 859.015625 400 859.00 814.003125	96 15625 396b 814.059375 859.059375 97 14375 397b 814.046875 859.046875 859.046875 98 93125 93125 93125 939b 814.034375 859.034375 99 91875 99 91875 399b 814.021875 859.021875 99 90 814.021875 99 90 1875



APPENDIX –C CHANNEL BANDWIDTH ARRANGEMENTS (25 KHZ, 12.5 KHZ & 6.25 KHZ)



Block										Sub	Block									
	1	L		2		3		4		5		6		7		3		9	1	.0
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1a 1b	2a 2b	3a 3b	4a 4b	5a 5b	6a 6b	7a 7b	8a 8b	9a 9b	10a 10b	11a 11b	12a 12b	13a 13b	14a 14b	15a 15b	16a 16b	17a 17b	18a 18b	19a 19b	20a 20b
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	21a 21b	22a 22b	23a 23b	24a 24b	25a 25b	26a 26b	27a 27b	28a 28b	29a 29b	30a 30b	31a 31b	32a 32b	33a 33b	34a 34b	35a 35b	36a 36b	37a 37b	38a 38b	39a 39b	40a 40b
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	41a 41b	42a 42b	43a 43b	44a 44b	45a 45b	46a 46b	47a 47b	48a 48b	49a 49b	50a 50b	51a 51b	52a 52b	53a 53b	54a 54b	55a 55b	56a 56b	57a 57b	58a 58b	59a 59b	60a 60b
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
	61a 61b	62a 62b	63a 63b	64a 64b	65a 65b	66a 66b	67a 67b	68a 68b	69a 69b	70a 70b	71a 71b	72a 72b	73a 73b	74a 74b	75a 75b	76a 76b	77a 77b	78a 78b	79a 79b	80a 80b
	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Α	81a 81b	82a 82b	83a 83b	84a 84b	85a 85b	86a 86b	87a 87b	88a 88b	89a 89b	90a 90b	91a 91b	92a 92b	93a 93b	94a 94b	95a 95b	96a 96b	97a 97b	98a 98b	99a 99b	100a 100b
A	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
	101a 101b	102a 102b	103a 103b	104a 104b	105a 105b	106a 106b	107a 107b	108a 108b	109a 109b	110a 110b	111a 111b	112a 112b	113a 113b	114a 114b	115a 115b	116a 116b	117a 117b	118a 118b	119a 119b	120a 120b
	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
	121a 121b	122a 122b	123a 123b	124a 124b	125a 125b	126a 126b	127a 127b	128a 128b	129a 129b	130a 130b	131a 131b	132a 132b	133a 133b	134a 134b	135a 135b	136a 136b	137a 137b	138a 138b	139a 139b	140a 140b
	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
	141a 141b	142a 142b	143a 143b	144a 144b	145a 145b		147a 147b	148a 148b	149a 149b	150a 150b	151a 151b	152a 152b	153a 153b	154a 154b	155a 155b	156a 156b	157a 157b	158a 158b	159a 159b	160a 160b
	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
	161a 161b	162a 162b	163a 163b	164a 164b	165a 165b	166a 166b	167a 167b	168a 168b	169a 169b	170a 170b	171a 171b	172a 172b	173a 173b	174a 174b	175a 175b	176a 176b	177a 177b	178a 178b	179a 179b	180a 180b
	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
	181a 181b	182a 182b		184a 184b		186a 186b				190a 190b			193a 193b		195a 195b	196a 196b	197a 197b	198a 198b		200a 200b
	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
		202a 202b						208a 208b						214a 214b					219a 219b	
	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
				224a 224b				228a 228b									237a 237b		239a 239b	
	241	242	243	244 244a 244b	245	246	247	248 248a 248b	249	250	251	252	253	254	255 255a 255b	256	257 257a 257b	258	259 259a 259b	260
	241a 241b 261	242a 242b	243a 243b 263	244a 244b 264	245a 245b 265	246a 246D 266	247a 247b 267	248a 248D 268	249a 249b 269	250a 250b 270	251a 251b 271	252a 252b 272	253a 253D 273	254a 254b 274	255a 255D 275	256a 256b 276	257a 257b 277	258a 258b 278	259a 259b 279	260a 260b
		202						268a 268b												
	2012 2010	2028 2020	203a 2030	2048 2040	2058 2050	2008 2000	2078 2070	2004 2000	2098 2090	270a 270b	2718 2710	2728 2720	2738 2730	2748 2740	2758 2750	270a 2700	2778 2770	2768 2760	2798 2790	300
		282a 282b						288a 288b			-	-		-					299a 299b	
В	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320
	301a 301b		303a 303b			306a 306b					311a 311b		313a 313b	-			317a 317b			
	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340
	321a 321b	322a 322b	323a 323b	324a 324b	325a 325b	326a 326b	327a 327b	328a 328b	329a 329b	330a 330b	331a 331b	332a 332b	333a 333b	334a 334b	335a 335b	336a 336b	337a 337b	338a 338b	339a 339b	340a 340b
	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360
	341a 341b	342a 342b	343a 343b	344a 344b	345a 345b	346a 346b	347a 347b	348a 348b	349a 349b	350a 350b	351a 351b	352a 352b	353a 353b	354a 354b	355a 355b	356a 356b	357a 357b	358a 358b	359a 359b	360a 360b
	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380
	361a 361b	362a 362b	363a 363b	364a 364b	365a 365b	366a 366b	367a 367b	368a 368b	369a 369b	370a 370b	371a 371b	372a 372b	373a 373b	374a 374b	375a 375b	376a 376b	377a 377b	378a 378b	379a 379b	380a 380b
	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
	381a 381b	382a 382b	383a 383b	384a 384b	385a 385b	386a 386b	387a 387b	388a 388b	389a 389b	390a 390b	391a 391b	392a 392b	393a 393b	394a 394b	395a 395b	396a 396b	397a 397b	398a 398b	399a 399b	400a 400b

APPENDIX- D CHANNELING ALLOTMENT PLAN (12.5 KHZ & 6.25 KHZ)





REQUENCY OF 814-819 MHz AND 859-864 MHz (12.5 KHz CHANNEL BANDWIDTH PLAI													
<u>No.</u>	Channel A	rrangemen	<u>t</u>	1		Block No.							
1	1	41	81	121	161		1A						
	21	61	101	141	181		1B						
	201	241	281	321	361		1C						
	221	261	301	341	381								
2	2	42	82	122	162		2A						
	22	62	102	142	182		2B						
	202	242	282	322	362		2C						
	222	262	302	342	382		2D						
3	3	43	83	123	163		3V						
3	23	63	103	123	103		-						
	203	243	283	323	363								
	203	243	303	343	383								
	225	205	303	545	505		50						
4	4	44	84	124	164		4A						
	24	64	104	144	184		4B						
	204	244	284	324	364		4C						
	224	264	304	344	384		4D						
5	5	45	85	125	165		5A						
	25	65	105	145	185		5B						
	205	245	285	325	365		5C						
	225	265	305	345	385		5D						
6	6	46	86	126	166		64						
0	26	66	106	146	186								
	206	246	286	326	366		6C						
	226	266	306	346	386								
				0.10									
7	7	47	87	127	167		7A						
	27	67	107	147	187		7B						
	207	247	287	327	367		7C						
	227	267	307	347	387		7D						
8	8	48	88	128	168		8A						
0	28	68	108	128	188		8B						
	208	248	288	328	368		8C						
	228	268	308	348	388		8D						
9	9	49	89	129	169		9A						
	29	69	109	149	189		9B						
	209	249	289	329	369		9C						
	229	269	309	349	389		9D						
10	10	50	90	130	170		10A						
10	30	70	110	150	190		10A						
	210	250	290	330	370		100						
	230	230	310	350	390		10C						

R.F. CHANNEL ARRANGEMENT FOR MOBILE RADIO TRUNKING SERVICE FOR THE



QUENC	Y OF 814-8	19 MHz AN	D 859-864 N	VHz (12.5 K	Hz CHANN	NEL BANDWI	DTH P
						_	
<u>S.No.</u>	Channel A	-				Block No.	
11	11	51	91	131	171		
	31	71	111	151	191		
	211	251	291	331	371		
	231	271	311	351	391		11D
12	12	52	92	132	172		12A
	32	72	112	152	192		12B
	212	252	292	332	372		12C
	232	272	312	352	392		12D
10	10	F2	02	122	170		124
13	13	53	93	133	173		13A
	33	73	113	153	193		
	213	253	293	333	373		
	233	273	313	353	393		13D
14	14	54	94	134	174		14A
	34	74	114	154	194		14B
	214	254	294	334	374		14C
	234	274	314	354	394		14D
15	15	55	95	135	175		150
15	35	75	115	155	195		
	215	255	295	335	375		
	235	275	315	355	375		
	255	275	515	555	595		עכד
16	16	56	96	136	176		16A
	36	76	116	156	196		16B
	216	256	296	336	376		16C
	236	276	316	356	396		16D
17	17	57	97	137	177		17A
	37	77	117	157	197		17B
	217	257	297	337	377		17C
	237	277	317	357	397		
10	10	50	00	120	170		10.4
18	18	58	98	138	178		18A
	38	78	118	158	198		18B
	218	258	298	338	378		18C
	238	278	318	358	398		18D
19	19	59	99	139	179		19A
	39	79	119	159	199		19B
	219	259	299	339	379		19C
	239	279	319	359	399		19D
20	20	60	100	140	180		20A
20	40	80	120	160	200		20R
	220	260	300	340	380		20D
	240	280	320	340	400		

R.F. CH/	ANNEL ARR	ANGEMEN	IT FOR MOB	BILE RADIO	TRUNKING	SERVICE FC	OR THE
EQUENC	Y OF 814-81	9 MHz AN	ID 859-864 N	/IHz (12.5 K	Hz CHANNE	L BANDWI	DTH PLAN



FREC	QUENCY OI	F 814-	819 MHz	AND 8	859-864 M	Hz (6.	.25 KHz C	HANN	IEL BAND	WID	TH PLAN)	
<u>S.No.</u>	Channel A	rrang	ement								Block No.	
1	1	а	41	а	81	а	121	а	161	а		1/
	21	а	61	а	101	а	141	а	181	а		1
	201	а	241	а	281	а	321	а	361	а		- 10
	221	а	261	а	301	а	341	а	381	a		1
2	2	а	42	а	82	а	122	а	162	а		- 2/
	22	а	62	а	102	а	142	а	182	а		2
	202	а	242	а	282	а	322	а	362	а		- 20
	222	а	262	а	302	а	342	а	382	a		2
3	3	а	43	а	83	а	123	а	163	а		- 3/
	23	а	63	а	103	а	143	а	183	а		31
	203	а	243	а	283	а	323	а	363	а		- 30
	223	а	263	а	303	а	343	а	383	а		3
4	4	а	44	а	84	а	124	а	164	а		4
	24	а	64	а	104	а	144	а	184	а		4
	204	а	244	а	284	а	324	а	364	а		- 4
	224	а	264	а	304	а	344	а	384	а		4
5	5	а	45	а	85	а	125	а	165	а	 	. 5,
	25	a	65	a	105	a	145	a	185	a		-
	205	a	245	a	285	a	325	a	365	a		-
	205	a	265	a	305	a	345	a	385	a		-
	223	ŭ	205	ŭ	505	ŭ	515	ŭ	303			
6	6	а	46	а	86	а	126	а	166	а		- 6/
	26	а	66	а	106	а	146	а	186	a		6
	206	а	246	а	286	а	326	а	366	а		- 60
	226	а	266	а	306	а	346	а	386	а		6
7	7	а	47	а	87	а	127	а	167	а		- 7/
	27	а	67	а	107	а	147	а	187	а		- 7
	207	а	247	а	287	а	327	а	367	a		- 70
	227	а	267	а	307	а	347	а	387	а		- 7
8		а	48	а	88	а	128	а	168			-
	28	а	68	а	108	а	148	а	188	а		-
	208	а	248	а	288	а	328	а	368	а		- 8
	228	а	268	а	308	а	348	а	388	а		- 8
9	9	а	49	а	89	а	129	а	169	а		9
5	29	a	69	a	109	a	149	a	189	a		-
	209	a	249	a	289	a	329	a	369	a		-
	209	a	269	a	309	a	349	a	389	a		-
					202		0.10					
10	10	а	50	а	90	а	130	а	170	а		1
	30	а	70	а	110	а	150	а	190	а		- 1(
	210	а	250	а	290	а	330	а	370	а		- 1(
	230	а	270	а	310	а	350	а	390	а		- 1(



FREC	QUENCY OF	814-	819 MHz	AND	359-864 M	Hz (6.	25 KHz C	HANN	IEL BAND	WID	TH PLAN)	
<u>S.No.</u>	<u>Channel A</u>	rrang								_	Block No.	
11		а	51	а	91	а	131	а	171	а		11
	31	а	71	а	111	а	151	а	191	а		11
	211	а	251	а	291	а	331	а	371	а		11
	231	а	271	а	311	а	351	а	391	а		11
12	12	а	52	а	92	а	132	а	172	а		12
	32	а	72	а	112	а	152	а	192	а		12
	212	а	252	а	292	а	332	а	372	a		12
	232	a	272	a	312	a	352	a	392	a		-
13		а	53	а	93	а	133	а	173	а		-
	33	а	73	а	113	а	153	а	193	а		13
	213	а	253	а	293	а	333	а	373	а		13
	233	а	273	а	313	а	353	а	393	а		13
14	14	а	54	а	94	а	134	а	174	а		14
	34	a	74	a	114	а	154	а	194	a		14
	214	а	254	а	294	а	334	а	374	а		14
	234	а	274	а	314	а	354	а	394	а		14
45					~-		405		475			45
15		а	55	а	95	а	135	а	175	а		-
	35	а	75	а	115	а	155	а	195	а		-
	215	а	255	а	295	а	335	а	375	а		-
	235	а	275	а	315	а	355	а	395	а		15
16	16	а	56	а	96	а	136	а	176	а		16
	36	а	76	а	116	а	156	а	196	а		16
	216	а	256	а	296	а	336	а	376	а		16
	236	а	276	а	316	а	356	а	396	а		16
17	17	а	57	а	97	а	137	а	177	а		17
17	37	a	77	a	117		157	a	197	a		17
	217	a	257		297	a	337	a	377			-
	217	a	257	a a	317	a a	357	a	397	a		-
18		а	58	а	98	а	138	а	178	а		-
	38	а	78	а	118	a	158	а	198	а		18
	218	а	258	а	298	а	338	а	378	а		18
	238	а	278	а	318	а	358	а	398	а		18
19	19	а	59	а	99	а	139	а	179	а		19
	39	a	79	a	119	a	159	a	199	a		-
	219	a	259	a	299	a	339	a	379	a		
	239	a	279	a	319	a	359	a	399	a		19
			<u> </u>		400		4.50		465	_		
20		а	60	а	100	а	140	а	180	а		-
	40	a	80 260	a	120 300	a	160 340	a	200 380	a		
	220	а	200	а	300	а	540	а	200	а		20



	R.F. CHANN QUENCY OF											
<u>S.No.</u>	Channel A		ement							_	<u>Block No</u>	1
21		b	41	b	81	b	121	b	161	b		- 21
	21	b	61	b	101	b	141	b	181	b		- 21
	201	b	241	b	281	b	321	b	361	b		- 21
	221	b	261	b	301	b	341	b	381	b		- 21
22	2	b	42	b	82	b	122	b	162	b		- 22
	22	b	62	b	102	b	142	b	182	b		- 22
	202	b	242	b	282	b	322	b	362	b		- 22
	222	b	262	b	302	b	342	b	382	b		- 22
23	3	b	43	b	83	b	123	b	163	b		- 23
25	23	b	63	b	103	b	143	b	183	b		-
	203	b	243	b	283	b	323	b	363	b		÷
	203	b	243	b	303	b	343	b	383	b		
24		b	44	b	84	b	124	b	164	b		- 24
	24	b	64	b	104	b	144	b	184	b		- 24
	204	b	244	b	284	b	324	b	364	b		- 24
	224	b	264	b	304	b	344	b	384	b		- 24
25	5	b	45	b	85	b	125	b	165	b		- 25
	25	b	65	b	105	b	145	b	185	b		- 25
	205	b	245	b	285	b	325	b	365	b		- 25
	225	b	265	b	305	b	345	b	385	b		- 25
26	6	b	46	b	86	b	126	b	166	b		- 26
	26	b	66	b	106	b	146	b	186	b		
	206	b	246	b	286	b	326	b	366	b		- 26
	226	b	266	b	306	b	346	b	386	b		- 26
27		b	47	b	87	b	127	b	167	b		
	27	b	67	b	107	b	147	b	187	b		- 27
	207 227	b b	247 267	b b	287 307	b b	327 347	b b	367 387	b		
28		b	48	b	88	b	128	b	168			-
	28	b	68	b	108	b	148	b	188	b		-
	208	b	248	b	288	b	328	b	368	b		-
	228	b	268	b	308	b	348	b	388	b		- 28
29		b	49	b	89	b	129	b	169	b		- 29
	29	b	69	b	109	b	149	b	189	b		- 29
	209	b	249	b	289	b	329	b	369	b		- 29
	229	b	269	b	309	b	349	b	389	b		- 29
30	10	b	50	b	90	b	130	b	170	b		- 30
	30	b	70	b	110	b	150	b	190	b		-
	210	b	250	b	290	b	330	b	370	b		1
	230	b	270	b	310	b	350	b	390	b		



	R.F. CHANN	814-	819 MHz	AND	859-864 M	Hz (6.	25 KHz C	HANN	IEL BAND	WID	TH PLAN)	
~ • ••-	Channel A									_	Dia di Nia	
<u>S.No.</u>	Channel A				04		404			·	<u>Block No</u>	
31		b	51	b	91	b	131	b	171	b		-
	31	b	71	b	111	b	151	b	191	b		-
	211	b	251	b	291	b	331	b	371	b		- 31
	231	b	271	b	311	b	351	b	391	b		- 31
32	12	b	52	b	92	b	132	b	172	b		- 32
	32	b	72	b	112	b	152	b	192	b		- 32
	212	b	252	b	292	b	332	b	372	b		- 32
	232	b	272	b	312	b	352	b	392	b		- 32
22	12	h	50	b	02	h	100		170	h		27
33		b	53	b	93	b	133	b	173	b		
	33	b	73	b	113	b	153	b	193	b		-
	213	b	253	b	293	b	333	b	373	b		-
	233	b	273	b	313	b	353	b	393	b		- 3:
34	14	b	54	b	94	b	134	b	174	b		- 34
	34	b	74	b	114	b	154	b	194	b		- 34
	214	b	254	b	294	b	334	b	374	b		- 34
	234	b	274	b	314	b	354	b	394	b		- 34
35	15	b	55	b	95	b	135	b	175	b		_ 21
	35	b	75	b	115	b	155	b	195	b		-
	215	b	255	b	295	b	335	b	375	b		_
	235	b	275	b	315	b	355	b	395	b		-
36	16	b	56	b	96	b	136	b	176	b		- 36
	36	b	76	b	116	b	156	b	196	b		- 36
	216	b	256	b	296	b	336	b	376	b		- 36
	236	b	276	b	316	b	356	b	396	b		- 36
37	17	b	57	b	97	b	137	b	177	b		- 37
57	37	b	77	b	117	b	157	b	197	b		-
	217	b	257	b	297	b	337	b	377	b		
	237	b	277	b	317	b	357	b	397	b		
38		b	58	b	98	b	138	b	178	b		- 38
	38	b	78	b	118	b	158	b	198	b		- 38
	218	b	258	b	298	b	338	b	378	b		- 38
	238	b	278	b	318	b	358	b	398	b		- 38
39	19	b	59	b	99	b	139	b	179	b		- 39
	39	b	79	b	119	b	159	b	199	b		- 39
	219	b	259	b	299	b	339	b	379	b		- 39
	239	b	279	b	319	b	359	b	399	b		- 39
			60		400		4.40		400			
40		b	60	b	100	b	140	b	180	b		
	40	b	80	b	120	b	160	b	200	b		
	220	b	260	b	300	b	340	b	380	b		- 40



APPENDIX- E: ERLANG C TABLE

Maximum Offered Load versus B and N B is in %

	B is in %													
N/B	0.01	0.05	0.1	0.5	1	2	5	10	15	20	30	40		
1	0.0001	0.0005	0.0010	0.0050	0.0100	0.0200	0.0500	0.1000	0.1500	0.2000	0.3000	0.4000		
2	0.0142	0.0319	0.0452	0.1025	0.1465	0.2103	0.3422	0.5000	0.6278	0.7403	0.9390	1.1170		
3	0.0860	0.1490	0.1894	0.3339	0.4291	0.5545	0.7876	1.0400	1.2310	1.3930	1.6670	1.9030		
4	0.2310	0.3533	0.4257	0.6641	0.8100	0.9939	1.3190	1.6530	1.8990	2.1020	2.4400	2.7250		
5	0.4428	0.6289	0.7342	1.0650	1.2590	1.4970	1.9050	2.3130	2.6070	2.8470	3.2410	3.5690		
6	0.7110	0.9616	1.0990	1.5190	1.7580	2.0470	2.5320	3.0070	3.3440	3.6170	4.0620	4.4280		
7	1.0260	1.3410	1.5100	2.0140	2.2970	2.6330	3.1880	3.7250	4.1030	4.4060	4.8970	5.2980		
8	1.3820	1.7580	1.9580	2.5430	2.8660	3.2460	3.8690	4.4630	4.8780	5.2100	5.7440	6.1780		
9	1.7710	2.2080	2.4360	3.1000	3.4600	3.8830	4.5690	5.2180	5.6680	6.0270	6.6000	7.0650		
10	2.1890	2.6850	2.9420	3.6790	4.0770	4.5400	5.2850	5.9860	6.4690	6.8530	7.4650	7.9590		
11	2.6340	3.1860	3.4700	4.2790	4.7120	5.2130	6.0150	6.7650	7.2800	7.6880	8.3360	8.8570		
12	3.1000	3.7080	4.0180	4.8960	5.3630	5.9010	6.7580	7.5540	8.0990	8.5300	9.2120	9.7610		
13	3.5870	4.2480	4.5840	5.5290	6.0280	6.6020	7.5110	8.3520	8.9260	9.3790	10.09	10.67		
14	4.0920	4.8050	5.1660	6.1750	6.7050	7.3130	8.2730	9.1580	9.7600	10.230	10.980	11.580		
15	4.6140	5.3770	5.7620	6.8330	7.3940	8.0350	9.0440	9.9700	10.600	11.090	11.870	12.490		
16	5.1500	5.9620	6.3710	7.5020	8.0930	8.7660	9.8220	10.790	11.440	11.960	12.770	13.410		
17	5.6990	6.5600	6.9910	8.1820	8.8010	9.5050	10.610	11.610	12.290	12.830	13.660	14.330		
18	6.2610	7.1690	7.6220	8.8710	9.5180	10.250	11.400	12.440	13.150	13.700	14.560	15.250		
19	6.8350	7.7880	8.2630	9.5680	10.240	11.010	12.200	13.280	14.010	14.580	15.470	16.180		
20	7.4190	8.4170	8.9140	10.270	10.970	11.770	13.000	14.120	14.870	15.450	16.370	17.100		
21	8.0130	9.0550	9.5720	10.990	11.710	12.530	13.810	14.960	15.730	16.340	17.280	18.030		
22	8.6160	9.7020	10.240	11.700	12.460	13.300	14.620	15.810	16.600	17.220	18.190	18.960		
23	9.2280	10.360	10.910	12.430	13.210	14.080	15.430	16.650	17.470	18.110	19,100	19.890		
24	9.8480	11.020	11.590	13.160	13.960	14.860	16.250	17.510	18.350	19.000	20.020	20.820		
25	10.480	11.690	12.280	13.900	14.720	15.650	17.080	18.360	19.220	19.890	20.930	21.760		
26	11.110	12.360	12.970	14.640	15.490	16.440	17.910	19.220	20.100	20.790	21.850	22.690		
27	11.750	13.040	13.670	15.380	16.260	17.230	18.740	20.080	20.980	21.680	22.770	23.630		
28	12.400	13.730	14.380	16.140	17.030	18.030	19.570	20.950	21.870	22.580	23.690	24.570		
29	13.050	14.420	15.090	16.890	17.810	18.830	20.410	21.820	22.750	23.480	24.610	25.500		
30	13.710	15.120	15.800	17.650	18.590	19.640	21.250	22.680	23.640	24.380	25.540	26.440		
31	14.380	15.820	16.520	18.420	19.370	20.450	22.090	23.560	24.530	25.290	26.460	27.380		
32	15.050	16.530	17.250	19.180	20.160	21.260	22.930	24.430	25.420	26.190	27.390	28.330		
33	15.720	17.240	17.970	19.950	20.950	22.070	23.780	25.300	26.320	27.100	28.310	29.270		
34	16.400	17.950	18.710	20.730	21.750	22.890	24.630	26.180	27.210	28.010	29.240	30.210		
35	17.090	18.670	19.440	21.510	22.550	23.710	25.480	27.060	28.110	28.920	30.170	31.160		
36	17.780	19.390	20.180	22.290	23.350	24.530	26.340	27.940	29.000	29.830	31.100	32.100		
37	18.470	20.120	20.920	23.070	24.150	25.360	27.190	28.820	29.900	30.740	32.030	33.050		
38	19.170	20.850	21.670	23.860	24.960	26.180	28.050	29.710	30.800	31.650	32.970	34.000		
39	19.870	21.590	22.420	24.650	25.770	27.010	28.910	30.590	31.710	32.570	33.900	34.940		
40	20.580	22.330	23.170	25.440	26.580	27.840	29.770	31.480	32.610	33.480	34.830	35.890		
41	21.280	23.070	23.930	26.230	27.390	28.680	30.630	32.370	33.510	34.400	35.770	36.840		
42	22.000	23.810	24.690	27.030	28.210	29.510	31.500	33.260	34.420	35.320	36.700	37.790		
43	22.710	24.560	25.450	27.830	29.020	30.350	32.360	34.150	35.330	36.230	37.640	38.740		



ERLANG C TABLE

N/B	0.01	0.05	0.1	0.5	1	2	5	10	15	20	30	40
44	23.430	25.310	26.220	28.630	29.840	31,190	33.230	35.040	36.230	37.150	38.580	39.690
45	24.150	26.060	26.980	29.440	30.670	32.030	34.100	35.930	37.140	38.070	39.510	40.640
46	24.880	26.820	27.750	30.240	31.490	32.870	34.970	36.830	38.050	39.000	40.450	41.590
47	25.600	27.570	28.520	31.050	32.320	33.720	35.840	37,720	38.960	39.920	41,390	42.540
48	26.340	28.330	29.300	31.860	33.140	34.560	36.720	38.620	39.870	40.840	42.330	43.500
49	27.070	29.100	30.080	32.680	33.970	35.410	37.590	39.520	40.790	41.760	43.270	44.450
50	27.800	29.860	30.860	33.490	34.800	36.260	38.470	40.420	41.700	47,69	44.210	45.400
51	28.540	30.630	31.640	34.310	35.640	37.110	39.350	41.320	42.610	43.610	45.150	46.360
52	29.280	31.400	32.420	35.120	36.470	37.970	40.230	42.220	43.530	44.540	46.100	47.310
53	30.030	32.170	33.210	35.940	37.310	38.820	41.100	43.120	44.440	45.470	47.040	48.270
54	30.770	32.950	33.990	36.760	38.150	39.670	41.990	44.020	45.360	46.390	47.980	49.220
55	31.520	33.720	34.780	37.590	38.990	40.530	42.870	44.930	46.280	47.320	48.930	50.180
56	32.270	34.500	35.570	38.410	39.830	41.390	43.750	45.830	47.200	48.250	49.870	51.130
57	33.030	35.280	36.370	39.240	40.670	42.250	44.640	46.740	48.120	49.180	50.820	52.090
58	33.780	36.060	37.160	40.070	41.510	43.110	45.520	47.640	49.040	50.110	51.760	53.050
59	34.540	36.850	37.960	40.900	42.360	43.970	46.410	48.550	49.960	51.040	52.710	54.010
60	35.300	37.630	38.760	41.730	43.200	44.830	47.290	49.460	50.880	51.970	53.650	54.960
61	36.060	38.420	39.560	42.560	44.050	45.700	48.180	50.370	51.800	52.900	54.600	55.920
62	36.820	39.210	40.360	43.390	44.900	46.560	49.070	51.270	52.720	53.830	55.550	56.880
63	37.590	40.000	41.160	44.230	45.750	47.430	49.960	52.180	53.640	54.770	56.490	57.840
64	38.350	40.800	41.970	45.060	46.600	48.300	50.850	53.100	54.570	55.700	57.440	58.800
65	39.120	41.590	42.780	45.900	47.450	49.160	51.740	54.010	55.490	56.630	58.390	59.760
66	39.890	42.390	43.580	46.740	48.300	50.030	52.640	54.920	56.420	57.570	59.340	60.720
67	40.660	43.180	44.390	47.580	49.160	50.900	53.530	55.830	57.340	58.500	60.290	61.680
68	41.440	43.980	45.200	48.420	50.010	51.770	54.420	56.750	58.270	59.440	61.240	62.640
69	42.210	44.780	46.020	49.260	50.870	52.650	55.320	57.660	59.200	60.370	62.190	63.600
70	42.990	45.580	46.830	50.100	51.730	53.520	56.210	58.570	60.120	61.310	63.140	64.560
71	43.770	46.390	47.640	50.950	52.590	54.390	57.110	59.490	61.050	62.250	64.090	65.520
72	44.550	47.190	48.460	51.790	53.450	55.270	58.010	60.410	61.980	63.180	65.040	66.480
73	45.330	48.000	49.280	52.640	54.310	56.140	58.900	61.320	62.910	64.120	65.990	67.440
74	46.110	48.810	50.100	53.490	55.170	57.020	59.800	62.240	63.840	65.060	66.940	68.400
75	46.900	49.610	50.920	54.340	56.030	57.900	60.700	63.160	64.760	66.000	67.890	69.370
76	47.680	50.420	51.740	55.190	56.890	58.780	61.600	64.070	65.690	66.940	68.850	70.330
77	48.470	51.230	52.560	56.040	57.760	59.650	62,500	64.990	66.630	67.880	69.800	71.290
78	49.260	52.050	53.380	56.890	58.620	60.530	63.400	65.910	67.560	68.820	70.750	72.250
79	50.050	52.860	54.210	57.740	59.490	61.410	64.300	66.830	68.490	69.760	71.700	73.220
80	50.840	53.680	55.030	58.600	60.360	62.300	65.210	67.750	69.420	70.700	72.660	74.180
81	51.630	54.490	55.860	59.450	61.220	63.180	66.110	68.670	70.350	71.640	73.610	75.140
82	52.430	55.310	56.690	60.300	62.090	64.060	67.010	69.590	71.280	72.580	74.570	76.110
83	53.220	56.130	57.520	61.160	62.960	64.940	67.920	70.520	72.220	73.520	75.520	77.070
84	54.020	56.950	58.350	62.020	63.830	65.830	68.820	71.440	73.150	74.460	76.470	78.040
85	54.810	57.770	59.180	62.880	64.700	66.710	69.730	72.360	74.080	75.400	77.430	79.000
86	55.610	58.590	60.010	63.730	65.570	67.600	70.630	73.280	75.020	76.350	78.380	79.970
87	56.410	59.410	60.840	64.590	66.450	68.480	71.540	74.210	75.950	77.290	79.340	80.930
88	57.210	60.230	61.670	65.450	67.320	69.370	72.450	75.130	76.890	78.230	80.300	81.900
89	58.020	61.060	62.510	66.320	68.190	70.260	73.350	76.060	77.820	79.180	81.250	82.860
90	58.820	61.880	63.340	67.180	69.070	71.150	74.260	76,980	78.760	80.120	82.210	83.830



ERLANG C TABLE

the second	0.01	0.05	0.1	0.5	1	2	5	10	15	20	30	40
91	59.620	62.710	64.180	68.040	69.940	72.040	75.170	77.910	79.690	81.060	83.160	84.790
92	60.430	63.540	65.020	68.900	70.820	72.920	76.080	78.830	80.630	82.010	84.120	85.760
93	61.230	64.360	65.860	69.770	71.700	73.810	76.990	79.760	81.570	82.950	85.080	86.730
94	62.040	65.190	66.700	70.630	72.570	74.710	77.900	80.690	82.500	83.900	86.030	87.690
95	62.850	66.020	67.540	71.500	73.450	75.600	78.810	81.610	83.440	84.840	86.990	88.660
96	63.660	66.850	68.380	72.360	74.330	76.490	79.720	82.540	84.380	85.790	87.950	89.620
97	64.470	67.690	69.220	73.230	75.210	77.380	80.630	83.470	85.320	86.740	88.910	90.590
98	65.280	68.520	70.060	74.100	76.090	78.270	81.540	84.390	86.260	87.680	89.870	91.560
99	66.090	69.350	70.900	74.970	76.970	79.170	82.460	85.320	87.200	88.630	90.820	92.530
100	66.910	70.190	71.750	75.840	77.850	80.060	83.370	86.250	88.130	89.580	91.780	93.490



Annexure 3

Violations in License Free band (446MHz) Walky Talkies

- A) The following vendors from India are supplying 446MHz License Free band walkies:
 - 1) Aspera
 - 2) Talkpro
 - 3) Thinux
 - 4) Sanchar
 - 5) T82, Motorola
 - 6) Bofeng
 - 7) Access

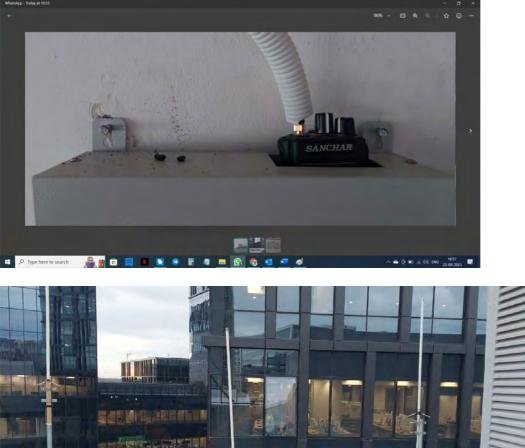
The License Free band Walky Talky **Model Aspera V7** is provisioned with an RF power switching (high and low power modes) through a side button. While importing the button is kept in low power mode to comply whereas for high power mode selection, the Walky Talky is evidenced to transmit at 5W output RF power on antenna port, in blatant violation of the gazette notification. Click on the video link

https://drive.google.com/drive/folders/18PczqS606jNOfO_RVOqhZCDZmzN6ByzT?usp=sharing

B) Repeaters/ Boosters/ Signal Extenders – being openly sold by Sanchar Communications, Okhla, and New Delhi for License Free band 446 MHz Walky Talky signal enhancement in clear violation of the License Free notification.





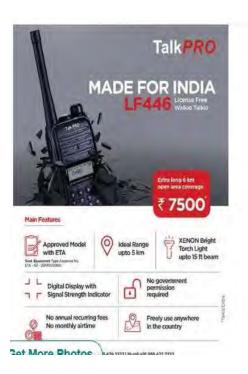




C) Following are the web at browsed images, wherein the License Free band suppliers/ vendors are quoting long coverage range Walky Talkies going from a few kms to 6kms and even 10kms







Talk Pro LF446

₹ 7,500/ Piece <u>Get Latest Price</u> Minimum Order Quantity: 2 Piece



Product feature-TalkPro LF446 Model







Interacted in this product?

LF446 License Free Model Walkie Talkie

₹ 7,500/ Piece <u>Get Latest Price</u> Minimum Order Quantity: 1 Piece

Model Name/Number	LF446
Product Type	License Free Walkie Talkie
Brand	Talk Pro
Warranty	1 Year
Range	6 Kms
License Requirment	License Free
Walkie Talkie Size	98 x 60 x 34 mm
Battery Capacity	2500 mAH
Battery Backup Time	13 hours
	1 /ATT Flatmenter





Active view display with a led light | Scan (Battery Saving, | Scrambler (Busy Channel teck | VOX | 101 | CTC35/DC3 | Wide/narrow handwitth setting | Vince prompt | Low Battery prompt | Squetch function | Side key programmable | Comparator





Annexure 4

Key Changes suggested in DPL Renewal License (Ref. Page no. 71, 72 in below)

- **1.** Point no. 3 "The Equipment covered under the possession license should not be shifted from the premises (Location)" should be deleted.
- 2. Point no. 5 "Particulars of equipment received/sold/transferred/delivered are to be entered in the appropriate register" should be changed to "Particulars of equipment received/sold/rented/transferred/delivered are to be entered in the appropriate register"
- 3. Point no. 10 "You shall not operate/sell/deliver these wireless equipments to any party who does not hold appropriate permission/license from the Wireless Planning & Co-ordination wing of Ministry of Communications" should be changed to "You shall not operate/sell/rent/lease/deliver these wireless equipments to any party who does not hold appropriate permission/license from the Wireless Planning & Co-ordination wing of Ministry of Communications except for a customer who is availing PMRTS services/subscription from a licensed PMRTS Operator."





Government of India Ministry of Communications Deptt. of Telecommunications Wireless Monitoring Organisation

ISSUED UNDER THE INDIAN WIRELESS TELEGRAPH ACT 1933 POSSESSION LICENCE FOR THE WIRELESS RECEIVING AND/OR TRANSMITTING APPARATUS

RENEWAL OF DEALER POSSESSION LICENSE (DPL)

Reg. No.: BBY/DPL/198

1.Name and address of Licensee	ARYA OMNITALK WIRELESS SOLUTIONS PRIVATE LIMITED, Unit 202 Summer Court Magarpatta city, Pune, MAHARASHTRA, 411013
2. Location of apparatus	Survey No-37/1-4/3/2, PISOLI ROAD,TALUKA HAVELI,,Pune,MAHARASHTRA,411028
3. Office of Registration	WRHQ-MUMBAI
4.Type & Quantity of apparatus	As per annexure
5.Valid Up to	31-12-2023

CONDITIONS:

1. This does not empower you to operate the wireless equipments covered under the license and exclusively issued to cover the possession of the equipments only.

2. For the purpose of import / demonstration / conducting experiments, you have to obtain separate import / demonstration / experimental license from WPC Wing of Ministry of Communications.

3. The equipments covered under the possession license should not be shifted from the premises (Location).



Date:

(Signature of issuing authority)

Issuing Office:WRHQ-MUMBAI



4. You are required to maintain the Register in:

i) Form - III in respect of complete wireless sets coming into your possession.

ii) Form - IV in respect of complete wireless sets receiver for repair.

iii) Form - V in respect of complete wireless sets given for demonstration at the premises of respective customers, in accordance with the provision of demonstration license issued under the Indian Wireless Telegraphy Act, 1933.

5. Particulars of equipments received / sold / transferred / delivered are to be entered in the appropriate register.

6. The register in Form - III and the documents in columns 7 & 12 shall be preserved for a period of five years after the date of sale.

7. The register in Form IV & V all is possessed for a period of one year after date of last entry in the relevant register.

8. The demonstration license and Experimental licensee whichever obtained by you may be extending validity by regular renewal under information to this office.

9. The license and the register may be inspected by the licensing authority or any officer on his behalf under the Indian Wireless Telegraphy Act. 1933.

10. You shall not operate / sell / deliver these wireless equipments to any party who does not hold appropriate permission / license from the Wireless Planning & Co-ordination Wing Ministry of Communications .

11. Request can be consider for renewal of license for another one year before expiry of license. Submit a copy of license, Form III, IV, V and draft of Rs. 60/-for this purpose.

12. Late fee Rs. 250/- will be charged after expiry of license.



Date: