

# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | /       | 633334  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 17.54   | /       | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.49   | 17.30   | 17.44   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.46   | 17.41   | 17.36   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.56   | 17.30   | 17.35   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.56   | 17.35   | 17.53   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.27   | 17.45   | 17.41   | 18.50   |

| N77 PC3 30kHz ECI 7 |                  |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
|                     |                  |         |           | /                    | 3500.01 | /       |         |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.03   | /       | 17.00   |
|                     |                  | 1       | 137       | /                    | 16.07   | /       | 17.00   |
|                     |                  | 1       | 271       | /                    | 16.00   | /       | 17.00   |
|                     |                  | 135     | 0         | /                    | 14.90   | /       | 16.00   |
|                     |                  | 135     | 69        | /                    | 15.95   | /       | 17.00   |
|                     |                  | 135     | 138       | /                    | 14.91   | /       | 16.00   |
|                     |                  | 270     | 0         | /                    | 14.96   | /       | 16.00   |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 14.94   | /       | 16.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | 14.49   | /       | 15.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 15.97   | /       | 17.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.13   | /       | 17.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.10   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.03   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 15.92   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.07   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.05   | 16.09   | 16.09   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.92   | 15.98   | 16.07   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.90   | 15.89   | 16.12   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.96   | 16.14   | 15.98   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.05   | 16.10   | 16.10   | 17.00   |

| N77 PC2 30kHz ECI 2/4 |                  |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |
|                       |                  |         |           | /                    | 3500.01 | /       |         |
| 100MHz                | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.40   | /       | 23.50   |
|                       |                  | 1       | 137       | /                    | 22.45   | /       | 23.50   |
|                       |                  | 1       | 271       | /                    | 22.51   | /       | 23.50   |
|                       |                  | 135     | 0         | /                    | 18.96   | /       | 20.00   |
|                       |                  | 135     | 69        | /                    | 22.49   | /       | 23.50   |
|                       |                  | 135     | 138       | /                    | 18.98   | /       | 20.00   |
|                       |                  | 270     | 0         | /                    | 21.43   | /       | 22.50   |
|                       | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 21.52   | /       | 22.50   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |
| 100MHz                | CP-OFDM QPSK     | 1       | 1         | /                    | 21.04   | /       | 22.00   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | /       | 633334  | /       |         |
| 90MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 22.25   | /       | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 22.41   | /       | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 22.37   | /       | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 22.32   | /       | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 22.27   | /       | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 22.33   | /       | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.48   | 22.30   | 22.40   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.39   | 22.37   | 22.36   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630500  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.34   | 22.29   | 22.26   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630167  | 633334  | 636501  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.37   | 22.52   | 22.53   | 23.50   |

| N77 PC2_30kHz ECI 3 |                 |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|-----------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation      | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                 |         |           | /                    | 633334  | /       |         |
|                     |                 |         |           | /                    | 3500.01 | /       |         |
| 100MHz              | DFT-s-OFDM QPSK | 1       | 1         | /                    | 17.85   | /       | 19.00   |
|                     |                 | 1       | 137       | /                    | 17.95   | /       | 19.00   |
|                     |                 | 1       | 271       | /                    | 18.04   | /       | 19.00   |
|                     |                 | 135     | 0         | /                    | 14.46   | /       | 15.50   |
|                     |                 | 135     | 69        | /                    | 18.05   | /       | 19.00   |
|                     |                 | 135     | 138       | /                    | 14.45   | /       | 15.50   |
|                     |                 | 270     | 0         | /                    | 16.89   | /       | 18.00   |



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|-----------|---------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM<br>16QAM | 1       | 1         | /       | 17.01   | /       | 18.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 100MHz    | CP-OFDM<br>QPSK     | 1       | 1         | /       | 633334  | /       | 17.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 90MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 633334  | /       | 19.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 80MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 633334  | /       | 19.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 70MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 633334  | /       | 19.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 60MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 633334  | /       | 19.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 50MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 633334  | /       | 19.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 40MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 633334  | /       | 19.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 30MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | 17.82   | 17.95   | 17.75   | 19.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 20MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | 17.80   | 17.74   | 17.92   | 19.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 15MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | 17.73   | 17.83   | 17.75   | 19.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | 17.98   | 17.79   | 17.98   | 19.00   |

| N77 PC2_30kHz ECI 7 |            |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |            |         |           | /                    | 633334  | /       |         |
|                     |            |         |           | /                    | 3500.01 | /       |         |



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|-----------|------------------|---------|-----------|---------|---------|---------|---------|
| 100MHz    | DFT-s-OFDM QPSK  | 1       | 1         | /       | 16.43   | /       | 17.50   |
|           |                  | 1       | 137       | /       | 16.54   | /       | 17.50   |
|           |                  | 1       | 271       | /       | 16.55   | /       | 17.50   |
|           |                  | 135     | 0         | /       | 13.01   | /       | 14.00   |
|           |                  | 135     | 69        | /       | 16.54   | /       | 17.50   |
|           |                  | 135     | 138       | /       | 13.02   | /       | 14.00   |
|           | DFT-s-OFDM 16QAM | 270     | 0         | /       | 15.39   | /       | 16.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 100MHz    | CP-OFDM QPSK     | 1       | 1         | /       | 633334  | /       | 16.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 633334  | /       |         |
| 90MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 16.56   | /       | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 633334  | /       |         |
| 80MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 16.39   | /       | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 633334  | /       |         |
| 70MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 16.44   | /       | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 633334  | /       |         |
| 60MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 16.55   | /       | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 633334  | /       |         |
| 50MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 16.55   | /       | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 633334  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 16.44   | /       | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 16.49   | 16.48   | 16.38   | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 16.49   | 16.55   | 16.49   | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 630500  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 16.36   | 16.49   | 16.57   | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 630167  | 633334  | 636501  |         |



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|       |                 |   |   |       |       |       |       |
|-------|-----------------|---|---|-------|-------|-------|-------|
| 10MHz | DFT-s-OFDM QPSK | 1 | 1 | 16.50 | 16.35 | 16.43 | 17.50 |
|-------|-----------------|---|---|-------|-------|-------|-------|

| N77 PC3 30kHz ECI 2/4 |                  |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------------------|------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | /       | 654800  | 657200  | /       | /       |
|                       |                  |         |           | /                    | /       | 3822.00 | 3858.00 | /       | /       |
| 100MHz                | DFT-s-OFDM QPSK  | 1       | 1         | /                    | /       | 21.95   | 21.99   | /       | /       |
|                       |                  | 1       | 137       | /                    | /       | 21.93   | 22.01   | /       | /       |
|                       |                  | 1       | 271       | /                    | /       | 21.88   | 21.95   | /       | /       |
|                       |                  | 135     | 0         | /                    | /       | 21.10   | 21.12   | /       | /       |
|                       |                  | 135     | 69        | /                    | /       | 22.16   | 22.01   | /       | /       |
|                       |                  | 135     | 138       | /                    | /       | 21.08   | 21.00   | /       | /       |
|                       |                  | 270     | 0         | /                    | /       | 21.01   | 20.93   | /       | /       |
|                       | DFT-s-OFDM 16QAM | 1       | 1         | /                    | /       | 21.10   | 21.05   | /       | /       |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | 654800  | 657200  | Channel | Channel |
|                       |                  |         |           | /                    | /       | 3822.00 | 3858.00 | /       | /       |
| 100MHz                | CP-OFDM QPSK     | 1       | 1         | /                    | /       | 20.56   | 20.60   | /       | /       |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                       |                  |         |           | /                    | /       | 654734  | 657268  | /       | /       |
| 90MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | /       | 21.85   | 22.09   | /       | /       |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                       |                  |         |           | 649334               | 652000  | 654668  | 657334  | 660000  | 662666  |
| 80MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | 21.92                | 21.94   | 21.91   | 21.92   | 22.06   | 21.94   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                       |                  |         |           | 649001               | 651800  | 654601  | 657401  | 660200  | 662999  |
| 70MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | 21.97                | 22.02   | 21.95   | 22.02   | 22.05   | 21.98   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                       |                  |         |           | 648668               | 651600  | 654534  | 657468  | 660400  | 663332  |
| 60MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | 21.91                | 21.88   | 22.02   | 22.01   | 21.96   | 21.91   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                       |                  |         |           | 648334               | 651400  | 654468  | 657534  | 660600  | 663666  |
| 50MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | 22.02                | 22.02   | 22.05   | 22.05   | 21.95   | 22.09   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                       |                  |         |           | 648000               | 651200  | 654400  | 657600  | 660800  | 664000  |
| 40MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | 21.87                | 21.91   | 22.01   | 22.03   | 22.09   | 22.07   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                       |                  |         |           | 647666               | 651000  | 654332  | 657666  | 661000  | 664334  |
| 30MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | 22.05                | 21.89   | 21.86   | 21.90   | 22.09   | 21.97   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                       |                  |         |           | 647499               | 650900  | 654298  | 657699  | 661100  | 664501  |
| 25MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | 22.00                | 22.04   | 21.86   | 21.95   | 22.04   | 21.95   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel<br>647332 | Channel<br>650800 | Channel<br>654264 | Channel<br>657732 | Channel<br>661200 | Channel<br>664668 | Tune<br>up |
|-----------|-----------------|---------|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------|
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.97             | 22.05             | 21.93             | 21.90             | 21.98             | 21.92             | 23.00      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>647165 | Channel<br>650700 | Channel<br>654230 | Channel<br>657765 | Channel<br>661300 | Channel<br>664835 | Tune<br>up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.00             | 22.04             | 21.99             | 21.90             | 22.09             | 21.90             | 23.00      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>646998 | Channel<br>650600 | Channel<br>654196 | Channel<br>657798 | Channel<br>661400 | Channel<br>665002 | Tune<br>up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.00             | 22.05             | 22.05             | 21.97             | 22.05             | 22.08             | 23.00      |

| N77 PC3 30kHz ECI 3 |                  |         |           | Conducted Power(dBm) |         |         |         |         |         |            |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|------------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel | Tune<br>up |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | /       | 654800  | 657200  | /       | /       | 18.50      |
|                     |                  | 1       | 137       | /                    | /       | 3822.00 | 3858.00 | /       | /       | 18.50      |
|                     |                  | 1       | 271       | /                    | /       | 17.51   | 17.49   | /       | /       | 18.50      |
|                     |                  | 135     | 0         | /                    | /       | 17.37   | 17.53   | /       | /       | 18.50      |
|                     |                  | 135     | 69        | /                    | /       | 17.37   | 17.47   | /       | /       | 18.50      |
|                     |                  | 135     | 138       | /                    | /       | 16.55   | 16.66   | /       | /       | 17.50      |
|                     |                  | 270     | 0         | /                    | /       | 17.60   | 17.49   | /       | /       | 17.50      |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | /       | 16.58   | 16.55   | /       | /       | 17.50      |
|                     |                  |         |           | Channel              | Channel | 654800  | 657200  | Channel | Channel | Tune<br>up |
|                     |                  |         |           | /                    | /       | 3822.00 | 3858.00 | /       | /       |            |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | /       | 16.12   | 16.00   | /       | /       | 17.00      |
|                     |                  |         |           | Channel              | Channel | 654734  | 657268  | Channel | Channel | Tune<br>up |
|                     |                  |         |           | /                    | /       |         |         | /       | /       |            |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | /       | 17.43   | 17.46   | /       | /       | 18.50      |
|                     |                  |         |           | Channel              | Channel | 649334  | 652000  | Channel | Channel | Tune<br>up |
|                     |                  |         |           | 17.52                | 17.54   | 654668  | 657334  | 660000  | 662666  |            |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 17.52                | 17.54   | 17.57   | 17.51   | 17.52   | 17.56   | 18.50      |
|                     |                  |         |           | Channel              | Channel | 649001  | 651800  | Channel | Channel | Tune<br>up |
|                     |                  |         |           | 17.58                | 17.59   | 654601  | 657401  | 660200  | 662999  |            |
| 70MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 17.58                | 17.59   | 17.59   | 17.47   | 17.43   | 17.54   | 18.50      |
|                     |                  |         |           | Channel              | Channel | 648668  | 651600  | Channel | Channel | Tune<br>up |
|                     |                  |         |           | 17.42                | 17.50   | 654534  | 657468  | 660400  | 663332  |            |
| 60MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 17.42                | 17.50   | 17.45   | 17.54   | 17.49   | 17.42   | 18.50      |
|                     |                  |         |           | Channel              | Channel | 648334  | 651400  | Channel | Channel | Tune<br>up |
|                     |                  |         |           | 17.47                | 17.54   | 654468  | 657534  | 660600  | 663666  |            |
| 50MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 17.47                | 17.54   | 17.51   | 17.40   | 17.44   | 17.43   | 18.50      |
|                     |                  |         |           | Channel              | Channel | 648000  | 651200  | Channel | Channel | Tune<br>up |
|                     |                  |         |           | 17.47                | 17.54   | 654400  | 657600  | 660800  | 664000  |            |



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|           |                 |         |           |                |                |                |                |                |                |         |
|-----------|-----------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|---------|
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.50          | 17.48          | 17.44          | 17.40          | 17.49          | 17.42          | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647666 | Channel 651000 | Channel 654332 | Channel 657666 | Channel 661000 | Channel 664334 | Tune up |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.42          | 17.47          | 17.60          | 17.47          | 17.44          | 17.46          | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647499 | Channel 650900 | Channel 654298 | Channel 657699 | Channel 661100 | Channel 664501 | Tune up |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.52          | 17.53          | 17.50          | 17.55          | 17.55          | 17.58          | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647332 | Channel 650800 | Channel 654264 | Channel 657732 | Channel 661200 | Channel 664668 | Tune up |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.46          | 17.43          | 17.52          | 17.52          | 17.39          | 17.51          | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647165 | Channel 650700 | Channel 654230 | Channel 657765 | Channel 661300 | Channel 664835 | Tune up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.46          | 17.55          | 17.52          | 17.43          | 17.41          | 17.57          | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 646998 | Channel 650600 | Channel 654196 | Channel 657798 | Channel 661400 | Channel 665002 | Tune up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.53          | 17.54          | 17.60          | 17.51          | 17.41          | 17.40          | 18.50   |

| N77 PC3 30kHz ECI 7 |                  |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|---------------------|------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                     |                  |         |           | /       | /                    | 654800  | 657200  | /       | /       |         |
|                     |                  |         |           | /       | /                    | 3822.00 | 3858.00 | /       | /       |         |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /       | /                    | 15.97   | 15.98   | /       | /       | 17.00   |
|                     |                  | 1       | 137       | /       | /                    | 15.86   | 15.97   | /       | /       | 17.00   |
|                     |                  | 1       | 271       | /       | /                    | 15.87   | 15.89   | /       | /       | 17.00   |
|                     |                  | 135     | 0         | /       | /                    | 15.16   | 15.20   | /       | /       | 16.00   |
|                     |                  | 135     | 69        | /       | /                    | 16.19   | 16.00   | /       | /       | 17.00   |
|                     |                  | 135     | 138       | /       | /                    | 15.09   | 14.91   | /       | /       | 16.00   |
|                     | 270              | 0       | /         | /       | 15.02                | 14.94   | /       | /       | 16.00   |         |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /       | /                    | 15.17   | 14.97   | /       | /       | 16.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel | Channel              | 654800  | 657200  | Channel | Channel | Tune up |
|                     |                  |         |           | /       | /                    | 3822.00 | 3858.00 | /       | /       |         |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /       | /                    | 14.62   | 14.51   | /       | /       | 15.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                     |                  |         |           | /       | /                    | 654734  | 657268  | /       | /       |         |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /       | /                    | 16.05   | 15.97   | /       | /       | 17.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                     |                  |         |           | 649334  | 652000               | 654668  | 657334  | 660000  | 662666  |         |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 16.06   | 15.94                | 16.03   | 15.88   | 15.97   | 15.90   | 17.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                     |                  |         |           | 649001  | 651800               | 654601  | 657401  | 660200  | 662999  |         |
| 70MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 15.87   | 15.96                | 16.06   | 15.99   | 16.06   | 15.94   | 17.00   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel<br>648668 | Channel<br>651600 | Channel<br>654534 | Channel<br>657468 | Channel<br>660400 | Channel<br>663332 | Tune<br>up |
|-----------|-----------------|---------|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------|
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.07             | 16.01             | 15.95             | 15.95             | 16.08             | 15.94             | 17.00      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>648334 | Channel<br>651400 | Channel<br>654468 | Channel<br>657534 | Channel<br>660600 | Channel<br>663666 | Tune<br>up |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.96             | 15.96             | 16.00             | 15.93             | 15.99             | 15.98             | 17.00      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>648000 | Channel<br>651200 | Channel<br>654400 | Channel<br>657600 | Channel<br>660800 | Channel<br>664000 | Tune<br>up |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.98             | 16.02             | 16.03             | 16.07             | 16.03             | 16.06             | 17.00      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>647666 | Channel<br>651000 | Channel<br>654332 | Channel<br>657666 | Channel<br>661000 | Channel<br>664334 | Tune<br>up |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.02             | 16.04             | 15.98             | 16.05             | 16.02             | 15.99             | 17.00      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>647499 | Channel<br>650900 | Channel<br>654298 | Channel<br>657699 | Channel<br>661100 | Channel<br>664501 | Tune<br>up |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.89             | 15.97             | 15.96             | 16.04             | 15.96             | 15.92             | 17.00      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>647332 | Channel<br>650800 | Channel<br>654264 | Channel<br>657732 | Channel<br>661200 | Channel<br>664668 | Tune<br>up |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.02             | 16.03             | 16.02             | 15.95             | 15.96             | 15.88             | 17.00      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>647165 | Channel<br>650700 | Channel<br>654230 | Channel<br>657765 | Channel<br>661300 | Channel<br>664835 | Tune<br>up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.98             | 16.05             | 15.98             | 15.89             | 15.95             | 15.96             | 17.00      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>646998 | Channel<br>650600 | Channel<br>654196 | Channel<br>657798 | Channel<br>661400 | Channel<br>665002 | Tune<br>up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.91             | 15.89             | 16.03             | 16.00             | 15.89             | 15.97             | 17.00      |

| N77 PC2 30kHz ECI 2/4 |                  |         |           | Conducted Power(dBm) |              |                   |                   |              |              |            |
|-----------------------|------------------|---------|-----------|----------------------|--------------|-------------------|-------------------|--------------|--------------|------------|
| Bandwidth             | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>/ | Channel<br>654800 | Channel<br>657200 | Channel<br>/ | Channel<br>/ | Tune<br>up |
|                       |                  |         |           | /                    | /            | 3822.00           | 3858.00           | /            | /            |            |
| 100MHz                | DFT-s-OFDM QPSK  | 1       | 1         | /                    | /            | 22.47             | 22.38             | /            | /            | 23.50      |
|                       |                  | 1       | 137       | /                    | /            | 22.41             | 22.30             | /            | /            | 23.50      |
|                       |                  | 1       | 271       | /                    | /            | 22.34             | 22.22             | /            | /            | 23.50      |
|                       |                  | 135     | 0         | /                    | /            | 18.87             | 18.77             | /            | /            | 20.00      |
|                       |                  | 135     | 69        | /                    | /            | 22.41             | 22.22             | /            | /            | 23.50      |
|                       |                  | 135     | 138       | /                    | /            | 18.82             | 18.68             | /            | /            | 20.00      |
|                       |                  | 270     | 0         | /                    | /            | 21.48             | 21.51             | /            | /            | 22.50      |
|                       | DFT-s-OFDM 16QAM | 1       | 1         | /                    | /            | 21.33             | 21.24             | /            | /            | 22.50      |
| Bandwidth             | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>/ | Channel<br>654800 | Channel<br>657200 | Channel<br>/ | Channel<br>/ | Tune<br>up |
| 100MHz                | CP-OFDM QPSK     | 1       | 1         | /                    | /            | 20.87             | 20.76             | /            | /            | 22.00      |
| Bandwidth             | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>/ | Channel<br>654734 | Channel<br>657268 | Channel<br>/ | Channel<br>/ | Tune<br>up |



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|           |                 |         |           |                |                |                |                |                |                |         |
|-----------|-----------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|---------|
| 90MHz     | DFT-s-OFDM QPSK | 1       | 1         | /              | /              | 22.57          | 22.36          | /              | /              | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 649334 | Channel 652000 | Channel 654668 | Channel 657334 | Channel 660000 | Channel 662666 | Tune up |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.43          | 22.44          | 22.57          | 22.39          | 22.36          | 22.47          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 649001 | Channel 651800 | Channel 654601 | Channel 657401 | Channel 660200 | Channel 662999 | Tune up |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.41          | 22.49          | 22.41          | 22.37          | 22.31          | 22.30          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 648668 | Channel 651600 | Channel 654534 | Channel 657468 | Channel 660400 | Channel 663332 | Tune up |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.50          | 22.49          | 22.54          | 22.37          | 22.39          | 22.31          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 648334 | Channel 651400 | Channel 654468 | Channel 657534 | Channel 660600 | Channel 663666 | Tune up |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.54          | 22.40          | 22.37          | 22.44          | 22.40          | 22.36          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 648000 | Channel 651200 | Channel 654400 | Channel 657600 | Channel 660800 | Channel 664000 | Tune up |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.41          | 22.44          | 22.55          | 22.30          | 22.45          | 22.45          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647666 | Channel 651000 | Channel 654332 | Channel 657666 | Channel 661000 | Channel 664334 | Tune up |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.57          | 22.40          | 22.54          | 22.43          | 22.30          | 22.45          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647499 | Channel 650900 | Channel 654298 | Channel 657699 | Channel 661100 | Channel 664501 | Tune up |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.54          | 22.42          | 22.37          | 22.39          | 22.38          | 22.39          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647332 | Channel 650800 | Channel 654264 | Channel 657732 | Channel 661200 | Channel 664668 | Tune up |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.49          | 22.41          | 22.42          | 22.41          | 22.37          | 22.29          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647165 | Channel 650700 | Channel 654230 | Channel 657765 | Channel 661300 | Channel 664835 | Tune up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.37          | 22.50          | 22.47          | 22.48          | 22.47          | 22.35          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 646998 | Channel 650600 | Channel 654196 | Channel 657798 | Channel 661400 | Channel 665002 | Tune up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.40          | 22.55          | 22.37          | 22.36          | 22.30          | 22.32          | 23.50   |

| N77 PC2 30kHz ECI 3 |                 |         |           | Conducted Power(dBm) |         |         |         |         |         |         |
|---------------------|-----------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|---------|
| Bandwidth           | Modulation      | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel | Tune up |
| 100MHz              | DFT-s-OFDM QPSK | 1       | 1         | /                    | /       | 654800  | 657200  | /       | /       | 19.00   |
|                     |                 | 1       | 137       | /                    | /       | 3822.00 | 3858.00 | /       | /       |         |
|                     |                 | 1       | 271       | /                    | /       | 17.99   | 17.88   | /       | /       |         |
|                     |                 | 1       | 271       | /                    | /       | 17.85   | 17.77   | /       | /       |         |
|                     |                 | 135     | 0         | /                    | /       | 17.88   | 17.69   | /       | /       |         |
|                     |                 |         |           |                      |         | 14.40   | 14.33   | /       | /       | 15.50   |



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|           |                  |         |           |         |         |         |         |         |         |         |
|-----------|------------------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|
|           |                  | 135     | 69        | /       | /       | 17.79   | 17.66   | /       | /       | 19.00   |
|           |                  | 135     | 138       | /       | /       | 14.38   | 14.19   | /       | /       | 15.50   |
|           |                  | 270     | 0         | /       | /       | 16.95   | 17.03   | /       | /       | 18.00   |
|           | DFT-s-OFDM 16QAM | 1       | 1         | /       | /       | 16.83   | 16.71   | /       | /       | 18.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | 654800  | 657200  | Channel | Channel | Tune up |
|           |                  |         |           | /       | /       | 3822.00 | 3858.00 | /       | /       |         |
| 100MHz    | CP-OFDM QPSK     | 1       | 1         | /       | /       | 16.34   | 16.26   | /       | /       | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | /       | 654734  | 657268  | /       | /       |         |
| 90MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | /       | 18.04   | 17.83   | /       | /       | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 649334  | 652000  | 654668  | 657334  | 660000  | 662666  |         |
| 80MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 17.95   | 17.95   | 18.02   | 17.93   | 17.85   | 17.95   | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 649001  | 651800  | 654601  | 657401  | 660200  | 662999  |         |
| 70MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 18.03   | 17.99   | 17.95   | 17.87   | 17.86   | 17.92   | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 648668  | 651600  | 654534  | 657468  | 660400  | 663332  |         |
| 60MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 17.96   | 18.02   | 18.09   | 17.95   | 17.81   | 17.95   | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 648334  | 651400  | 654468  | 657534  | 660600  | 663666  |         |
| 50MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 17.98   | 18.02   | 17.89   | 17.83   | 17.91   | 17.80   | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 648000  | 651200  | 654400  | 657600  | 660800  | 664000  |         |
| 40MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 17.95   | 18.09   | 18.07   | 17.90   | 17.80   | 17.86   | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 647666  | 651000  | 654332  | 657666  | 661000  | 664334  |         |
| 30MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 18.05   | 17.92   | 17.97   | 17.87   | 17.87   | 17.96   | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 647499  | 650900  | 654298  | 657699  | 661100  | 664501  |         |
| 25MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 17.93   | 18.04   | 17.95   | 17.84   | 17.96   | 17.79   | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 647332  | 650800  | 654264  | 657732  | 661200  | 664668  |         |
| 20MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 18.09   | 17.90   | 18.06   | 17.88   | 17.98   | 17.90   | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 647165  | 650700  | 654230  | 657765  | 661300  | 664835  |         |
| 15MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 17.94   | 17.90   | 17.99   | 17.82   | 17.79   | 17.91   | 19.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 646998  | 650600  | 654196  | 657798  | 661400  | 665002  |         |



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|       |                 |   |   |       |       |       |       |       |       |       |
|-------|-----------------|---|---|-------|-------|-------|-------|-------|-------|-------|
| 10MHz | DFT-s-OFDM QPSK | 1 | 1 | 17.96 | 17.99 | 18.00 | 17.87 | 17.83 | 17.89 | 19.00 |
|-------|-----------------|---|---|-------|-------|-------|-------|-------|-------|-------|

| N77 PC2 30kHz ECI 7 |                  |         |           | Conducted Power(dBm) |         |         |         |         |         |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                     |                  |         |           | /                    | /       | 654800  | 657200  | /       | /       |
|                     |                  |         |           | /                    | /       | 3822.00 | 3858.00 | /       | /       |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | /       | 16.55   | 16.42   | /       | /       |
|                     |                  | 1       | 137       | /                    | /       | 16.36   | 16.39   | /       | /       |
|                     |                  | 1       | 271       | /                    | /       | 16.36   | 16.24   | /       | /       |
|                     |                  | 135     | 0         | /                    | /       | 12.82   | 12.81   | /       | /       |
|                     |                  | 135     | 69        | /                    | /       | 16.33   | 16.20   | /       | /       |
|                     |                  | 135     | 138       | /                    | /       | 12.70   | 12.76   | /       | /       |
|                     |                  | 270     | 0         | /                    | /       | 15.52   | 15.49   | /       | /       |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | /       | 15.30   | 15.21   | /       | /       |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | 654800  | 657200  | Channel | Channel |
|                     |                  |         |           | /                    | /       | 3822.00 | 3858.00 | /       | /       |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | /       | 14.85   | 14.73   | /       | /       |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                     |                  |         |           | /                    | /       | 654734  | 657268  | /       | /       |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | /       | 16.65   | 16.29   | /       | /       |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                     |                  |         |           | 649334               | 652000  | 654668  | 657334  | 660000  | 662666  |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 16.52                | 16.54   | 16.47   | 16.37   | 16.29   | 16.29   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                     |                  |         |           | 649001               | 651800  | 654601  | 657401  | 660200  | 662999  |
| 70MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 16.53                | 16.63   | 16.58   | 16.38   | 16.34   | 16.35   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                     |                  |         |           | 648668               | 651600  | 654534  | 657468  | 660400  | 663332  |
| 60MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 16.53                | 16.57   | 16.55   | 16.33   | 16.32   | 16.30   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                     |                  |         |           | 648334               | 651400  | 654468  | 657534  | 660600  | 663666  |
| 50MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 16.49                | 16.61   | 16.62   | 16.39   | 16.33   | 16.33   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                     |                  |         |           | 648000               | 651200  | 654400  | 657600  | 660800  | 664000  |
| 40MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 16.45                | 16.64   | 16.45   | 16.38   | 16.39   | 16.34   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                     |                  |         |           | 647666               | 651000  | 654332  | 657666  | 661000  | 664334  |
| 30MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 16.64                | 16.62   | 16.49   | 16.38   | 16.37   | 16.29   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Channel |
|                     |                  |         |           | 647499               | 650900  | 654298  | 657699  | 661100  | 664501  |
| 25MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 16.64                | 16.60   | 16.48   | 16.46   | 16.29   | 16.30   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel<br>647332 | Channel<br>650800 | Channel<br>654264 | Channel<br>657732 | Channel<br>661200 | Channel<br>664668 | Tune<br>up |
|-----------|-----------------|---------|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------|
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.46             | 16.65             | 16.53             | 16.38             | 16.39             | 16.37             | 17.50      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>647165 | Channel<br>650700 | Channel<br>654230 | Channel<br>657765 | Channel<br>661300 | Channel<br>664835 | Tune<br>up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.52             | 16.57             | 16.49             | 16.47             | 16.41             | 16.47             | 17.50      |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>646998 | Channel<br>650600 | Channel<br>654196 | Channel<br>657798 | Channel<br>661400 | Channel<br>665002 | Tune<br>up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.53             | 16.56             | 16.65             | 16.46             | 16.43             | 16.46             | 17.50      |

| N78 PC3 30kHz ECI 2/4 |                  |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |
|                       |                  |         |           | /                    | 3500.01 | /       |         |
| 100MHz                | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.29   | /       | 23.00   |
|                       |                  | 1       | 137       | /                    | 22.24   | /       | 23.00   |
|                       |                  | 1       | 271       | /                    | 22.22   | /       | 23.00   |
|                       |                  | 135     | 0         | /                    | 21.27   | /       | 22.00   |
|                       |                  | 135     | 69        | /                    | 22.19   | /       | 23.00   |
|                       |                  | 135     | 138       | /                    | 21.08   | /       | 22.00   |
|                       |                  | 270     | 0         | /                    | 21.15   | /       | 22.00   |
|                       | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 21.12   | /       | 22.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |
| 100MHz                | CP-OFDM QPSK     | 1       | 1         | /                    | 20.67   | /       | 21.50   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |
| 90MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.19   | /       | 23.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |
| 80MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.20   | /       | 23.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |
| 70MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.31   | /       | 23.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |
| 60MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.42   | /       | 23.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |
| 50MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.24   | /       | 23.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 633334  | /       |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 22.15   | /       | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.43   | 22.34   | 22.15   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.30   | 22.27   | 22.42   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.19   | 22.20   | 22.34   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.16   | 22.16   | 22.37   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.41   | 22.22   | 22.22   | 23.00   |

| N78 PC3 30kHz ECI 3 |                  |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
|                     |                  |         |           | /                    | 3500.01 | /       |         |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.84   | /       | 18.50   |
|                     |                  | 1       | 137       | /                    | 17.70   | /       | 18.50   |
|                     |                  | 1       | 271       | /                    | 17.73   | /       | 18.50   |
|                     |                  | 135     | 0         | /                    | 16.73   | /       | 17.50   |
|                     |                  | 135     | 69        | /                    | 17.69   | /       | 18.50   |
|                     |                  | 135     | 138       | /                    | 16.52   | /       | 17.50   |
|                     |                  | 270     | 0         | /                    | 16.63   | /       | 17.50   |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 16.71   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | 16.26   | /       | 17.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.95   | /       | 18.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.98   | /       | 18.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 70MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.73   | /       | 18.50   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | /       | 633334  | /       |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 17.96   | /       | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 17.97   | /       | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 17.81   | /       | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.99   | 17.82   | 17.98   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.97   | 17.76   | 17.90   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.97   | 17.77   | 17.80   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.78   | 17.87   | 17.85   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.90   | 17.90   | 17.80   | 18.50   |

| N78 PC3 30kHz ECI 7 |                  |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
|                     |                  |         |           | /                    | 3500.01 | /       |         |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.28   | /       | 17.00   |
|                     |                  | 1       | 137       | /                    | 16.22   | /       | 17.00   |
|                     |                  | 1       | 271       | /                    | 16.24   | /       | 17.00   |
|                     |                  | 135     | 0         | /                    | 15.26   | /       | 16.00   |
|                     |                  | 135     | 69        | /                    | 16.14   | /       | 17.00   |
|                     |                  | 135     | 138       | /                    | 15.12   | /       | 16.00   |
|                     |                  | 270     | 0         | /                    | 15.15   | /       | 16.00   |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 15.18   | /       | 16.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | 14.64   | /       | 15.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 90MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.26   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.26   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.26   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.13   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.42   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 633334  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.14   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.13   | 16.34   | 16.42   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.30   | 16.37   | 16.22   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.39   | 16.18   | 16.19   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.37   | 16.13   | 16.18   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.38   | 16.23   | 16.39   | 17.00   |

| N78 PC2 30kHz ECI 2/4 |                 |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|-----------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation      | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                 |         |           | /                    | 633334  | /       |         |
|                       |                 |         |           | /                    | 3500.01 | /       |         |
| 100MHz                | DFT-s-OFDM QPSK | 1       | 1         | /                    | 22.69   | /       | 23.50   |
|                       |                 | 1       | 137       | /                    | 22.75   | /       | 23.50   |
|                       |                 | 1       | 271       | /                    | 22.64   | /       | 23.50   |
|                       |                 | 135     | 0         | /                    | 19.16   | /       | 20.00   |



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|           |                     |         |           |         |         |         |         |
|-----------|---------------------|---------|-----------|---------|---------|---------|---------|
|           |                     | 135     | 69        | /       | 22.61   | /       | 23.50   |
|           |                     | 135     | 138       | /       | 19.16   | /       | 20.00   |
|           |                     | 270     | 0         | /       | 21.67   | /       | 22.50   |
|           | DFT-s-OFDM<br>16QAM | 1       | 1         | /       | 21.65   | /       | 22.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM<br>QPSK     | 1       | 1         | /       | 21.17   | /       | 22.00   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | /       | 633334  | /       |         |
| 90MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 22.72   | /       | 23.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | /       | 633334  | /       |         |
| 80MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 22.56   | /       | 23.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | /       | 633334  | /       |         |
| 70MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 22.54   | /       | 23.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | /       | 633334  | /       |         |
| 60MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 22.65   | /       | 23.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | /       | 633334  | /       |         |
| 50MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 22.72   | /       | 23.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | /       | 633334  | /       |         |
| 40MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | /       | 22.75   | /       | 23.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | 22.64   | 22.76   | 22.56   | 23.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | 22.67   | 22.56   | 22.74   | 23.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | 630334  | 633334  | 636334  |         |
| 15MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | 22.76   | 22.58   | 22.68   | 23.50   |
| Bandwidth | Modulation          | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                     |         |           | 630001  | 633334  | 636668  |         |
| 10MHz     | DFT-s-OFDM<br>QPSK  | 1       | 1         | 22.83   | 22.69   | 22.63   | 23.50   |



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| N78 PC2 30kHz ECI 3 |                  |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 3500.01 | /       | 19.00   |
|                     |                  | 1       | 137       | /                    | 18.24   | /       | 19.00   |
|                     |                  | 1       | 271       | /                    | 18.28   | /       | 19.00   |
|                     |                  | 135     | 0         | /                    | 18.16   | /       | 19.00   |
|                     |                  | 135     | 69        | /                    | 14.70   | /       | 15.50   |
|                     |                  | 135     | 138       | /                    | 18.06   | /       | 19.00   |
|                     |                  | 270     | 0         | /                    | 14.72   | /       | 15.50   |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 17.14   | /       | 18.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | 633334  | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 633334  | /       | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 633334  | /       | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 70MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 633334  | /       | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 60MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 633334  | /       | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 50MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 633334  | /       | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 40MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 633334  | /       | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 30MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 631001               | 633334  | 635667  | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 20MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 630668               | 633334  | 636000  | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.26   | 18.37   | 18.10   | 19.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630001  | 633334  | 636668  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.20   | 18.34   | 18.14   | 19.00   |

| N78 PC2_30kHz ECI 7 |                  |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
|                     |                  |         |           | /                    | 3500.01 | /       |         |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.63   | /       | 17.50   |
|                     |                  | 1       | 137       | /                    | 16.68   | /       | 17.50   |
|                     |                  | 1       | 271       | /                    | 16.60   | /       | 17.50   |
|                     |                  | 135     | 0         | /                    | 13.19   | /       | 14.00   |
|                     |                  | 135     | 69        | /                    | 16.63   | /       | 17.50   |
|                     |                  | 135     | 138       | /                    | 13.24   | /       | 14.00   |
|                     |                  | 270     | 0         | /                    | 15.72   | /       | 16.50   |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 15.59   | /       | 16.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | 15.13   | /       | 16.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.76   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.73   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 70MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.71   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 60MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.59   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 50MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.76   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 633334  | /       |         |
| 40MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.56   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | 631001               | 633334  | 635667  |         |



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|           |                 |         |           |                |                |                |         |
|-----------|-----------------|---------|-----------|----------------|----------------|----------------|---------|
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.61          | 16.64          | 16.54          | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 630668 | Channel 633334 | Channel 636000 | Tune up |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.55          | 16.68          | 16.54          | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 630334 | Channel 633334 | Channel 636334 | Tune up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.65          | 16.59          | 16.53          | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 630001 | Channel 633334 | Channel 636668 | Tune up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.63          | 16.69          | 16.58          | 17.50   |

| N78 PC3 30kHz ECI 2/4 |                  |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 650000  | /       |         |
|                       |                  |         |           | /                    | 3750.00 | /       |         |
| 100MHz                | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 21.99   | /       | 23.00   |
|                       |                  | 1       | 137       | /                    | 22.04   | /       | 23.00   |
|                       |                  | 1       | 271       | /                    | 22.02   | /       | 23.00   |
|                       |                  | 135     | 0         | /                    | 21.11   | /       | 22.00   |
|                       |                  | 135     | 69        | /                    | 22.05   | /       | 23.00   |
|                       |                  | 135     | 138       | /                    | 21.16   | /       | 22.00   |
|                       |                  | 270     | 0         | /                    | 21.07   | /       | 22.00   |
|                       | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 21.03   | /       | 22.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 650000  | /       |         |
| 100MHz                | CP-OFDM QPSK     | 1       | 1         | /                    | 20.51   | /       | 21.50   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 650000  | /       |         |
| 90MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.03   | /       | 23.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 650000  | /       |         |
| 80MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.13   | /       | 23.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 650000  | /       |         |
| 70MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 22.02   | /       | 23.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 650000  | /       |         |
| 60MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 21.92   | /       | 23.00   |
| Bandwidth             | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |                  |         |           | /                    | 650000  | /       |         |
| 50MHz                 | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 21.97   | /       | 23.00   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | /       | 650000  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 22.12   | /       | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.97   | 21.90   | 21.91   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.09   | 21.86   | 22.08   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.13   | 21.84   | 22.02   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.14   | 21.95   | 22.12   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.06   | 22.00   | 22.06   | 23.00   |

| N78 PC3 30kHz ECI 3 |                  |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
|                     |                  |         |           | /                    | 3750.00 | /       |         |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.51   | /       | 18.50   |
|                     |                  | 1       | 137       | /                    | 17.51   | /       | 18.50   |
|                     |                  | 1       | 271       | /                    | 17.48   | /       | 18.50   |
|                     |                  | 135     | 0         | /                    | 16.64   | /       | 17.50   |
|                     |                  | 135     | 69        | /                    | 17.58   | /       | 18.50   |
|                     |                  | 135     | 138       | /                    | 16.66   | /       | 17.50   |
|                     |                  | 270     | 0         | /                    | 16.63   | /       | 17.50   |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 16.59   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | 16.14   | /       | 17.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.58   | /       | 18.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.54   | /       | 18.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |



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|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 17.56   | /       | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 650000  | /       |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 17.36   | /       | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 650000  | /       |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 17.60   | /       | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 650000  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 17.43   | /       | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.53   | 17.49   | 17.51   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.64   | 17.65   | 17.64   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.41   | 17.39   | 17.65   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.58   | 17.50   | 17.36   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.46   | 17.55   | 17.50   | 18.50   |

| N78 PC3 30kHz ECI 7 |                  |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
|                     |                  |         |           | /                    | 3750.00 | /       |         |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.02   | /       | 17.00   |
|                     |                  | 1       | 137       | /                    | 16.02   | /       | 17.00   |
|                     |                  | 1       | 271       | /                    | 16.08   | /       | 17.00   |
|                     |                  | 135     | 0         | /                    | 15.22   | /       | 16.00   |
|                     |                  | 135     | 69        | /                    | 16.05   | /       | 17.00   |
|                     |                  | 135     | 138       | /                    | 15.13   | /       | 16.00   |
|                     |                  | 270     | 0         | /                    | 15.06   | /       | 16.00   |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 15.00   | /       | 16.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | 14.50   | /       | 15.50   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | /       | 650000  | /       |         |
| 90MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.17   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 650000  | /       |         |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 15.95   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 650000  | /       |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 15.95   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 650000  | /       |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.07   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 650000  | /       |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.14   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | /       | 650000  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.07   | /       | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.95   | 15.94   | 16.03   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.07   | 15.93   | 15.89   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.90   | 16.15   | 15.87   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.99   | 16.02   | 15.99   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.92   | 15.98   | 15.98   | 17.00   |

| N78 PC2 30kHz ECI 2/4 |            |         |           | Conducted Power(dBm) |         |         | Tune up |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel |         |
|                       |            |         |           | /                    | 650000  | /       |         |
| 100MHz                |            | 1       | 1         | /                    | 3750.00 | /       |         |
|                       |            |         |           | /                    | 22.48   | /       | 23.50   |
|                       |            |         |           | /                    | 22.59   | /       | 23.50   |



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|           |                  |         |           |         |         |         |         |
|-----------|------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM QPSK  | 1       | 271       | /       | 22.51   | /       | 23.50   |
|           |                  | 135     | 0         | /       | 19.09   | /       | 20.00   |
|           |                  | 135     | 69        | /       | 22.55   | /       | 23.50   |
|           |                  | 135     | 138       | /       | 19.03   | /       | 20.00   |
|           |                  | 270     | 0         | /       | 21.48   | /       | 22.50   |
|           | DFT-s-OFDM 16QAM | 1       | 1         | /       | 21.58   | /       | 22.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 650000  | /       |         |
| 100MHz    | CP-OFDM QPSK     | 1       | 1         | /       | 21.05   | /       | 22.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 650000  | /       |         |
| 90MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 22.48   | /       | 23.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 650000  | /       |         |
| 80MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 22.37   | /       | 23.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 650000  | /       |         |
| 70MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 22.40   | /       | 23.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 650000  | /       |         |
| 60MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 22.46   | /       | 23.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 650000  | /       |         |
| 50MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 22.59   | /       | 23.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 650000  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK  | 1       | 1         | /       | 22.39   | /       | 23.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 22.39   | 22.39   | 22.35   | 23.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 22.53   | 22.63   | 22.39   | 23.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 22.45   | 22.34   | 22.59   | 23.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 22.63   | 22.36   | 22.41   | 23.50   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel<br>647000 | Channel<br>650000 | Channel<br>653002 | Tune up |
|-----------|-----------------|---------|-----------|-------------------|-------------------|-------------------|---------|
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.56             | 22.40             | 22.61             | 23.50   |

| N78 PC2 30kHz ECI 3 |                  |         |           | Conducted Power(dBm) |                   |                   |         |
|---------------------|------------------|---------|-----------|----------------------|-------------------|-------------------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>650000 | Channel<br>/      | Tune up |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.94             | /                 | 19.00   |
|                     |                  | 1       | 137       | /                    | 18.03             | /                 | 19.00   |
|                     |                  | 1       | 271       | /                    | 18.07             | /                 | 19.00   |
|                     |                  | 135     | 0         | /                    | 14.54             | /                 | 15.50   |
|                     |                  | 135     | 69        | /                    | 18.08             | /                 | 19.00   |
|                     |                  | 135     | 138       | /                    | 14.50             | /                 | 15.50   |
|                     |                  | 270     | 0         | /                    | 16.95             | /                 | 18.00   |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 17.13             | /                 | 18.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>650000 | Channel<br>/      | Tune up |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | 16.64             | /                 | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>650000 | Channel<br>/      | Tune up |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 18.01             | /                 | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>650000 | Channel<br>/      | Tune up |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.86             | /                 | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>650000 | Channel<br>/      | Tune up |
| 70MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 18.07             | /                 | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>650000 | Channel<br>/      | Tune up |
| 60MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 18.00             | /                 | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>650000 | Channel<br>/      | Tune up |
| 50MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.89             | /                 | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>/         | Channel<br>650000 | Channel<br>/      | Tune up |
| 40MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 17.85             | /                 | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>647668    | Channel<br>650000 | Channel<br>652334 | Tune up |
| 30MHz               | DFT-s-OFDM QPSK  | 1       | 1         | 17.91                | 18.06             | 17.96             | 19.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel<br>647501    | Channel<br>650000 | Channel<br>652501 | Tune up |



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|           |                 |         |           |                |                |                |         |
|-----------|-----------------|---------|-----------|----------------|----------------|----------------|---------|
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.88          | 18.00          | 18.09          | 19.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647334 | Channel 650000 | Channel 652668 | Tune up |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.98          | 18.04          | 17.80          | 19.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647167 | Channel 650000 | Channel 652835 | Tune up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.08          | 17.80          | 18.02          | 19.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 647000 | Channel 650000 | Channel 653002 | Tune up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.82          | 17.95          | 17.86          | 19.00   |

| N78 PC2 30kHz ECI 7 |                  |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
|                     |                  |         |           | /                    | 3750.00 | /       |         |
| 100MHz              | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.45   | /       | 17.50   |
|                     |                  | 1       | 137       | /                    | 16.61   | /       | 17.50   |
|                     |                  | 1       | 271       | /                    | 16.52   | /       | 17.50   |
|                     |                  | 135     | 0         | /                    | 13.13   | /       | 14.00   |
|                     |                  | 135     | 69        | /                    | 16.55   | /       | 17.50   |
|                     |                  | 135     | 138       | /                    | 12.94   | /       | 14.00   |
|                     |                  | 270     | 0         | /                    | 15.54   | /       | 16.50   |
|                     | DFT-s-OFDM 16QAM | 1       | 1         | /                    | 15.60   | /       | 16.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 100MHz              | CP-OFDM QPSK     | 1       | 1         | /                    | 15.09   | /       | 16.00   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 90MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.42   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 80MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.58   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 70MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.32   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 60MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.33   | /       | 17.50   |
| Bandwidth           | Modulation       | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |                  |         |           | /                    | 650000  | /       |         |
| 50MHz               | DFT-s-OFDM QPSK  | 1       | 1         | /                    | 16.44   | /       | 17.50   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | /       | 650000  | /       |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | /       | 16.30   | /       | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.35   | 16.42   | 16.51   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.35   | 16.36   | 16.35   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.39   | 16.44   | 16.45   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.32   | 16.60   | 16.34   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.51   | 16.38   | 16.56   | 17.50   |



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## 5 Conducted Power of WIFI and Bluetooth

### 5.1 Conducted Power of 2.4G WIFI

| WIFI 2.4G Ant 6 Sensor off |         |                |                 |                     |         |
|----------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                       | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                    | 1       | 2412           | 1               | 17.42               | 19.00   |
|                            | 6       | 2437           |                 | 17.04               | 19.00   |
|                            | 11      | 2462           |                 | 17.22               | 19.00   |
| 802.11g                    | 1       | 2412           | 6               | 17.32               | 19.00   |
|                            | 6       | 2437           |                 | 17.45               | 19.00   |
|                            | 11      | 2462           |                 | 17.51               | 19.00   |
| 802.11n HT20               | 1       | 2412           | 6.5             | 16.80               | 18.50   |
|                            | 6       | 2437           |                 | 16.90               | 18.50   |
|                            | 11      | 2462           |                 | 17.00               | 18.50   |
| 802.11n HT40               | 3       | 2422           | 13.5            | 15.93               | 17.50   |
|                            | 6       | 2437           |                 | 16.07               | 17.50   |
|                            | 9       | 2452           |                 | 15.97               | 17.50   |

| WIFI 2.4G Ant 6 Hotspot |         |                |                 |                     |         |
|-------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                    | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                 | 1       | 2412           | 1               | 14.41               | 16.00   |
|                         | 6       | 2437           |                 | 14.05               | 16.00   |
|                         | 11      | 2462           |                 | 14.32               | 16.00   |
| 802.11g                 | 1       | 2412           | 6               | 14.40               | 16.00   |
|                         | 6       | 2437           |                 | 14.56               | 16.00   |
|                         | 11      | 2462           |                 | 14.55               | 16.00   |
| 802.11n HT20            | 1       | 2412           | 6.5             | 14.36               | 16.00   |
|                         | 6       | 2437           |                 | 14.46               | 16.00   |
|                         | 11      | 2462           |                 | 14.48               | 16.00   |
| 802.11n HT40            | 3       | 2422           | 13.5            | 13.85               | 15.50   |
|                         | 6       | 2437           |                 | 14.13               | 15.50   |
|                         | 9       | 2452           |                 | 13.93               | 15.50   |

| WIFI 2.4G Ant 6 Head &Body Worn Simultaneous transmission |         |                |                 |                     |         |
|-----------------------------------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                                                      | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                                                   | 1       | 2412           | 1               | 12.47               | 14.00   |
|                                                           | 6       | 2437           |                 | 12.07               | 14.00   |
|                                                           | 11      | 2462           |                 | 12.18               | 14.00   |
| 802.11g                                                   | 1       | 2412           | 6               | 12.34               | 14.00   |
|                                                           | 6       | 2437           |                 | 12.40               | 14.00   |
|                                                           | 11      | 2462           |                 | 12.50               | 14.00   |
| 802.11n HT20                                              | 1       | 2412           | 6.5             | 12.11               | 14.00   |
|                                                           | 6       | 2437           |                 | 12.09               | 14.00   |
|                                                           | 11      | 2462           |                 | 12.00               | 14.00   |
| 802.11n HT40                                              | 3       | 2422           | 13.5            | 11.98               | 13.50   |
|                                                           | 6       | 2437           |                 | 12.15               | 13.50   |
|                                                           | 9       | 2452           |                 | 11.92               | 13.50   |



## 5.2 Conducted Power of 5G WIFI

| WIFI 5G Ant 6 Sensor off |                |         |                |                     |         |
|--------------------------|----------------|---------|----------------|---------------------|---------|
| 5GHz                     |                | Channel | Frequency(MHz) | Average Power (dBm) | Tune up |
| 5GHz U-NII-1             | 802.11a        | 36      | 5180           | 17.46               | 19.00   |
|                          |                | 40      | 5200           | 17.59               | 19.00   |
|                          |                | 44      | 5220           | 17.39               | 19.00   |
|                          |                | 48      | 5240           | 17.60               | 19.00   |
|                          | 802.11n HT20   | 36      | 5180           | 16.95               | 18.50   |
|                          |                | 40      | 5200           | 18.07               | 19.00   |
|                          |                | 44      | 5220           | 17.83               | 19.00   |
|                          |                | 48      | 5240           | 17.55               | 19.00   |
|                          | 802.11n HT40   | 38      | 5190           | 15.13               | 16.50   |
|                          |                | 46      | 5230           | 16.41               | 18.00   |
|                          | 802.11ac VHT20 | 36      | 5180           | 17.01               | 19.00   |
|                          |                | 40      | 5200           | 18.08               | 19.50   |
|                          |                | 44      | 5220           | 17.85               | 19.50   |
|                          |                | 48      | 5240           | 17.60               | 19.50   |
|                          | 802.11ac VHT40 | 38      | 5190           | 15.23               | 17.00   |
|                          |                | 46      | 5230           | 16.62               | 18.50   |
|                          | 802.11ac VHT80 | 42      | 5210           | 13.87               | 15.50   |
| 5GHz U-NII-2A            | 802.11a        | 52      | 5260           | 17.69               | 19.50   |
|                          |                | 56      | 5280           | 17.54               | 19.50   |
|                          |                | 60      | 5300           | 17.70               | 19.50   |
|                          |                | 64      | 5320           | 16.71               | 18.50   |
|                          | 802.11n HT20   | 52      | 5260           | 17.56               | 19.50   |
|                          |                | 56      | 5280           | 17.52               | 19.50   |
|                          |                | 60      | 5300           | 18.18               | 19.50   |
|                          |                | 64      | 5320           | 16.69               | 18.50   |
|                          | 802.11n HT40   | 54      | 5270           | 16.37               | 18.00   |
|                          |                | 62      | 5310           | 15.23               | 16.50   |
|                          | 802.11ac VHT20 | 52      | 5260           | 18.12               | 19.50   |
|                          |                | 56      | 5280           | 17.79               | 19.50   |
|                          |                | 60      | 5300           | 18.17               | 19.50   |
|                          |                | 64      | 5320           | 16.71               | 18.50   |
|                          | 802.11ac VHT40 | 54      | 5270           | 16.68               | 18.50   |
|                          |                | 62      | 5310           | 15.31               | 17.00   |
|                          | 802.11ac VHT80 | 58      | 5290           | 14.17               | 16.00   |
| 5GHz UNII-2C             | 802.11a        | 100     | 5500           | 15.68               | 17.00   |
|                          |                | 104     | 5520           | 17.42               | 19.00   |
|                          |                | 108     | 5540           | 17.33               | 19.00   |
|                          |                | 112     | 5560           | 17.41               | 19.00   |
|                          |                | 116     | 5580           | 17.50               | 19.00   |
|                          |                | 120     | 5600           | 17.42               | 19.00   |
|                          |                | 124     | 5620           | 17.33               | 19.00   |
|                          |                | 128     | 5640           | 17.29               | 19.00   |
|                          |                | 132     | 5660           | 17.38               | 19.00   |
|                          |                | 136     | 5680           | 17.31               | 19.00   |
|                          |                | 140     | 5700           | 15.89               | 17.00   |
|                          |                | 144     | 5720           | 17.80               | 19.00   |
|                          | 802.11n HT20   | 100     | 5500           | 15.57               | 17.00   |
|                          |                | 104     | 5520           | 17.38               | 19.00   |
|                          |                | 108     | 5540           | 17.31               | 19.00   |
|                          |                | 112     | 5560           | 17.42               | 19.00   |
|                          |                | 116     | 5580           | 17.44               | 19.00   |



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|-------------|-------------------|-----|------|-------|-------|
|             |                   | 120 | 5600 | 17.38 | 19.00 |
|             |                   | 124 | 5620 | 17.31 | 19.00 |
|             |                   | 128 | 5640 | 17.39 | 19.00 |
|             |                   | 132 | 5660 | 17.27 | 19.00 |
|             |                   | 136 | 5680 | 17.35 | 19.00 |
|             |                   | 140 | 5700 | 15.57 | 17.00 |
|             |                   | 144 | 5720 | 17.79 | 19.00 |
|             | 802.11n<br>HT40   | 102 | 5510 | 14.91 | 16.00 |
|             |                   | 110 | 5550 | 16.43 | 18.00 |
|             |                   | 118 | 5590 | 16.42 | 18.00 |
|             |                   | 126 | 5630 | 16.47 | 18.00 |
|             |                   | 134 | 5670 | 16.49 | 18.00 |
|             |                   | 142 | 5710 | 16.48 | 18.00 |
|             | 802.11ac<br>VHT20 | 100 | 5500 | 15.62 | 17.00 |
|             |                   | 104 | 5520 | 17.38 | 19.00 |
|             |                   | 108 | 5540 | 17.51 | 19.00 |
|             |                   | 112 | 5560 | 17.62 | 19.00 |
|             |                   | 116 | 5580 | 17.87 | 19.00 |
|             |                   | 120 | 5600 | 17.62 | 19.00 |
|             |                   | 124 | 5620 | 17.55 | 19.00 |
|             |                   | 128 | 5640 | 17.45 | 19.00 |
|             |                   | 132 | 5660 | 17.58 | 19.00 |
|             |                   | 136 | 5680 | 17.42 | 19.00 |
|             |                   | 140 | 5700 | 15.68 | 17.00 |
|             |                   | 144 | 5720 | 17.49 | 19.00 |
|             | 802.11ac<br>VHT40 | 102 | 5510 | 14.98 | 16.50 |
|             |                   | 110 | 5550 | 16.78 | 18.50 |
|             |                   | 118 | 5590 | 16.77 | 18.50 |
|             |                   | 126 | 5630 | 16.82 | 18.50 |
|             |                   | 134 | 5670 | 16.78 | 18.50 |
|             |                   | 142 | 5710 | 16.67 | 18.50 |
|             | 802.11ac<br>VHT80 | 106 | 5530 | 13.89 | 15.00 |
|             |                   | 122 | 5610 | 15.90 | 17.50 |
|             |                   | 138 | 5690 | 16.10 | 17.50 |
| 5GHz UNII-3 | 802.11a           | 149 | 5745 | 18.03 | 19.50 |
|             |                   | 153 | 5765 | 17.91 | 19.50 |
|             |                   | 157 | 5785 | 18.05 | 19.50 |
|             |                   | 161 | 5805 | 17.89 | 19.50 |
|             |                   | 165 | 5825 | 18.02 | 19.50 |
|             | 802.11n<br>HT20   | 149 | 5745 | 17.88 | 19.50 |
|             |                   | 153 | 5765 | 17.82 | 19.50 |
|             |                   | 157 | 5785 | 18.35 | 19.50 |
|             |                   | 161 | 5805 | 18.03 | 19.50 |
|             | 802.11n<br>HT40   | 149 | 5745 | 17.88 | 19.50 |
|             |                   | 153 | 5765 | 17.82 | 19.50 |
|             |                   | 157 | 5785 | 18.35 | 19.50 |
|             |                   | 161 | 5805 | 18.03 | 19.50 |
|             | 802.11ac<br>VHT20 | 151 | 5755 | 17.02 | 18.50 |
|             |                   | 159 | 5795 | 16.89 | 18.50 |
|             |                   | 149 | 5745 | 17.90 | 19.50 |
|             |                   | 153 | 5765 | 17.78 | 19.50 |
|             | 802.11ac<br>VHT40 | 157 | 5785 | 17.88 | 19.50 |
|             |                   | 161 | 5805 | 17.92 | 19.50 |
|             |                   | 165 | 5825 | 18.28 | 19.50 |
|             |                   | 151 | 5755 | 17.22 | 19.00 |
|             | 802.11ac<br>VHT80 | 159 | 5795 | 17.02 | 19.00 |
|             |                   | 155 | 5775 | 16.02 | 18.00 |

| WIFI 5G Ant 6 Head |         |         |                |                     |         |
|--------------------|---------|---------|----------------|---------------------|---------|
| 5GHz               |         | Channel | Frequency(MHz) | Average Power (dBm) | Tune up |
| 5GHz U-NII-1       | 802.11a | 36      | 5180           | 14.00               | 15.50   |
|                    |         | 40      | 5200           | 14.12               | 15.50   |



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|---------------|-------------------|-----|------|-------|-------|
|               | 802.11n<br>HT20   | 44  | 5220 | 13.90 | 15.50 |
|               |                   | 48  | 5240 | 14.04 | 15.50 |
|               |                   | 36  | 5180 | 14.02 | 15.50 |
|               |                   | 40  | 5200 | 14.51 | 15.50 |
|               |                   | 44  | 5220 | 14.26 | 15.50 |
|               |                   | 48  | 5240 | 14.06 | 15.50 |
|               | 802.11n<br>HT40   | 38  | 5190 | 13.57 | 15.00 |
|               |                   | 46  | 5230 | 13.45 | 15.00 |
|               | 802.11ac<br>VHT20 | 36  | 5180 | 14.03 | 16.00 |
|               |                   | 40  | 5200 | 14.60 | 16.00 |
|               |                   | 44  | 5220 | 14.36 | 16.00 |
|               | 802.11ac<br>VHT40 | 48  | 5240 | 14.13 | 16.00 |
|               |                   | 38  | 5190 | 13.77 | 15.50 |
| 5GHz U-NII-2A | 802.11a           | 46  | 5230 | 13.56 | 15.50 |
|               |                   | 42  | 5210 | 13.87 | 15.50 |
|               |                   | 52  | 5260 | 14.23 | 16.00 |
|               |                   | 56  | 5280 | 14.01 | 16.00 |
|               | 802.11n<br>HT20   | 60  | 5300 | 14.24 | 16.00 |
|               |                   | 64  | 5320 | 14.19 | 16.00 |
|               |                   | 52  | 5260 | 14.02 | 16.00 |
|               |                   | 56  | 5280 | 14.06 | 16.00 |
|               | 802.11n<br>HT40   | 60  | 5300 | 14.74 | 16.00 |
|               |                   | 64  | 5320 | 14.27 | 16.00 |
|               | 802.11ac<br>VHT20 | 54  | 5270 | 13.41 | 15.00 |
|               |                   | 62  | 5310 | 13.70 | 15.00 |
| 5GHz UNII-2C  | 802.11a           | 52  | 5260 | 14.60 | 16.00 |
|               |                   | 56  | 5280 | 14.32 | 16.00 |
|               |                   | 60  | 5300 | 14.64 | 16.00 |
|               |                   | 64  | 5320 | 14.28 | 16.00 |
|               | 802.11ac<br>VHT40 | 54  | 5270 | 13.74 | 15.50 |
|               |                   | 62  | 5310 | 13.75 | 15.50 |
|               | 802.11ac<br>VHT80 | 58  | 5290 | 14.24 | 16.00 |
|               |                   | 100 | 5500 | 15.68 | 17.00 |
|               | 802.11n<br>HT20   | 104 | 5520 | 17.42 | 19.00 |
|               |                   | 108 | 5540 | 17.33 | 19.00 |
|               |                   | 112 | 5560 | 17.41 | 19.00 |
|               |                   | 116 | 5580 | 17.50 | 19.00 |
|               |                   | 120 | 5600 | 17.42 | 19.00 |
|               |                   | 124 | 5620 | 17.33 | 19.00 |
|               |                   | 128 | 5640 | 17.29 | 19.00 |
|               |                   | 132 | 5660 | 17.38 | 19.00 |
|               |                   | 136 | 5680 | 17.31 | 19.00 |
|               |                   | 140 | 5700 | 15.89 | 17.00 |
|               |                   | 144 | 5720 | 17.80 | 19.00 |
|               | 802.11n<br>HT40   | 100 | 5500 | 15.57 | 17.00 |
|               |                   | 104 | 5520 | 17.38 | 19.00 |
|               |                   | 108 | 5540 | 17.31 | 19.00 |
|               |                   | 112 | 5560 | 17.42 | 19.00 |
|               |                   | 116 | 5580 | 17.44 | 19.00 |
|               |                   | 120 | 5600 | 17.38 | 19.00 |
|               |                   | 124 | 5620 | 17.31 | 19.00 |
|               |                   | 128 | 5640 | 17.39 | 19.00 |
|               |                   | 132 | 5660 | 17.27 | 19.00 |
|               |                   | 136 | 5680 | 17.35 | 19.00 |
|               |                   | 140 | 5700 | 15.57 | 17.00 |
|               |                   | 144 | 5720 | 17.79 | 19.00 |
|               |                   | 102 | 5510 | 14.91 | 16.00 |
|               |                   | 110 | 5550 | 16.43 | 18.00 |
|               |                   | 118 | 5590 | 16.42 | 18.00 |



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|-------------|----------------|-----|------|-------|-------|
|             | 802.11ac VHT20 | 126 | 5630 | 16.47 | 18.00 |
|             |                | 134 | 5670 | 16.49 | 18.00 |
|             |                | 142 | 5710 | 16.48 | 18.00 |
|             |                | 100 | 5500 | 15.62 | 17.00 |
|             |                | 104 | 5520 | 17.38 | 19.00 |
|             |                | 108 | 5540 | 17.51 | 19.00 |
|             |                | 112 | 5560 | 17.62 | 19.00 |
|             |                | 116 | 5580 | 17.87 | 19.00 |
|             |                | 120 | 5600 | 17.62 | 19.00 |
|             |                | 124 | 5620 | 17.55 | 19.00 |
|             |                | 128 | 5640 | 17.45 | 19.00 |
|             |                | 132 | 5660 | 17.58 | 19.00 |
|             |                | 136 | 5680 | 17.42 | 19.00 |
|             |                | 140 | 5700 | 15.68 | 17.00 |
|             |                | 144 | 5720 | 17.49 | 19.00 |
|             | 802.11ac VHT40 | 102 | 5510 | 14.98 | 16.50 |
|             |                | 110 | 5550 | 16.78 | 18.50 |
|             |                | 118 | 5590 | 16.77 | 18.50 |
|             |                | 126 | 5630 | 16.82 | 18.50 |
|             |                | 134 | 5670 | 16.78 | 18.50 |
|             |                | 142 | 5710 | 16.67 | 18.50 |
|             | 802.11ac VHT80 | 106 | 5530 | 13.89 | 15.00 |
|             |                | 122 | 5610 | 15.90 | 17.50 |
|             |                | 138 | 5690 | 16.10 | 17.50 |
| 5GHz UNII-3 | 802.11a        | 149 | 5745 | 18.03 | 19.50 |
|             |                | 153 | 5765 | 17.91 | 19.50 |
|             |                | 157 | 5785 | 18.05 | 19.50 |
|             |                | 161 | 5805 | 17.89 | 19.50 |
|             |                | 165 | 5825 | 18.02 | 19.50 |
|             | 802.11n HT20   | 149 | 5745 | 17.88 | 19.50 |
|             |                | 153 | 5765 | 17.82 | 19.50 |
|             |                | 157 | 5785 | 18.35 | 19.50 |
|             |                | 161 | 5805 | 18.03 | 19.50 |
|             |                | 165 | 5825 | 17.88 | 19.50 |
|             | 802.11n HT40   | 151 | 5755 | 17.02 | 18.50 |
|             |                | 159 | 5795 | 16.89 | 18.50 |
|             | 802.11ac VHT20 | 149 | 5745 | 17.90 | 19.50 |
|             |                | 153 | 5765 | 17.78 | 19.50 |
|             |                | 157 | 5785 | 17.88 | 19.50 |
|             |                | 161 | 5805 | 17.92 | 19.50 |
|             |                | 165 | 5825 | 18.28 | 19.50 |
|             | 802.11ac VHT40 | 151 | 5755 | 17.22 | 19.00 |
|             |                | 159 | 5795 | 17.02 | 19.00 |
|             | 802.11ac VHT80 | 155 | 5775 | 16.02 | 18.00 |

| WIFI 5G Ant 6 Head Simultaneous transmission |                |         |                |                     |         |
|----------------------------------------------|----------------|---------|----------------|---------------------|---------|
| 5GHz                                         |                | Channel | Frequency(MHz) | Average Power (dBm) | Tune up |
| 5GHz U-NII-1                                 | 802.11a        | 36      | 5180           | 9.00                | 10.50   |
|                                              |                | 40      | 5200           | 9.16                | 10.50   |
|                                              |                | 44      | 5220           | 8.86                | 10.50   |
|                                              |                | 48      | 5240           | 9.08                | 10.50   |
|                                              | 802.11n HT20   | 36      | 5180           | 9.00                | 10.50   |
|                                              |                | 40      | 5200           | 9.56                | 10.50   |
|                                              |                | 44      | 5220           | 9.31                | 10.50   |
|                                              |                | 48      | 5240           | 9.07                | 10.50   |
|                                              | 802.11n HT40   | 38      | 5190           | 9.52                | 11.00   |
|                                              |                | 46      | 5230           | 8.00                | 9.50    |
|                                              | 802.11ac VHT20 | 36      | 5180           | 9.52                | 11.50   |
|                                              |                | 40      | 5200           | 9.61                | 11.00   |



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|---------------|-------------------|-----|------|-------|-------|
|               | 802.11ac<br>VHT40 | 44  | 5220 | 9.32  | 11.00 |
|               |                   | 48  | 5240 | 9.08  | 11.00 |
|               |                   | 38  | 5190 | 9.82  | 11.50 |
|               |                   | 46  | 5230 | 8.08  | 10.00 |
|               |                   | 42  | 5210 | 8.89  | 10.50 |
| 5GHz U-NII-2A | 802.11a           | 52  | 5260 | 9.21  | 11.00 |
|               |                   | 56  | 5280 | 9.03  | 11.00 |
|               |                   | 60  | 5300 | 9.22  | 11.00 |
|               |                   | 64  | 5320 | 9.15  | 11.00 |
|               | 802.11n<br>HT20   | 52  | 5260 | 9.07  | 11.00 |
|               |                   | 56  | 5280 | 9.06  | 11.00 |
|               |                   | 60  | 5300 | 9.70  | 11.00 |
|               |                   | 64  | 5320 | 9.22  | 11.00 |
|               | 802.11n<br>HT40   | 54  | 5270 | 8.43  | 10.00 |
|               |                   | 62  | 5310 | 8.68  | 10.00 |
|               | 802.11ac<br>VHT20 | 52  | 5260 | 9.64  | 11.00 |
|               |                   | 56  | 5280 | 9.32  | 11.00 |
|               |                   | 60  | 5300 | 9.65  | 11.00 |
|               |                   | 64  | 5320 | 9.23  | 11.00 |
|               | 802.11ac<br>VHT40 | 54  | 5270 | 8.73  | 10.50 |
|               |                   | 62  | 5310 | 8.77  | 10.50 |
|               | 802.11ac<br>VHT80 | 58  | 5290 | 8.73  | 10.50 |
| 5GHz UNII-2C  | 802.11a           | 100 | 5500 | 12.73 | 14.00 |
|               |                   | 104 | 5520 | 12.41 | 14.00 |
|               |                   | 108 | 5540 | 12.33 | 14.00 |
|               |                   | 112 | 5560 | 12.38 | 14.00 |
|               |                   | 116 | 5580 | 12.45 | 14.00 |
|               |                   | 120 | 5600 | 12.40 | 14.00 |
|               |                   | 124 | 5620 | 12.36 | 14.00 |
|               |                   | 128 | 5640 | 12.30 | 14.00 |
|               |                   | 132 | 5660 | 12.36 | 14.00 |
|               |                   | 136 | 5680 | 12.31 | 14.00 |
|               |                   | 140 | 5700 | 12.86 | 14.00 |
|               |                   | 144 | 5720 | 12.79 | 14.00 |
|               | 802.11n<br>HT20   | 100 | 5500 | 12.54 | 14.00 |
|               |                   | 104 | 5520 | 12.43 | 14.00 |
|               |                   | 108 | 5540 | 12.34 | 14.00 |
|               |                   | 112 | 5560 | 12.46 | 14.00 |
|               |                   | 116 | 5580 | 12.44 | 14.00 |
|               |                   | 120 | 5600 | 12.36 | 14.00 |
|               |                   | 124 | 5620 | 12.35 | 14.00 |
|               |                   | 128 | 5640 | 12.37 | 14.00 |
|               |                   | 132 | 5660 | 12.30 | 14.00 |
|               |                   | 136 | 5680 | 12.33 | 14.00 |
|               |                   | 140 | 5700 | 12.59 | 14.00 |
|               |                   | 144 | 5720 | 12.74 | 14.00 |
|               | 802.11n<br>HT40   | 102 | 5510 | 12.41 | 13.50 |
|               |                   | 110 | 5550 | 11.91 | 13.50 |
|               |                   | 118 | 5590 | 11.94 | 13.50 |
|               |                   | 126 | 5630 | 11.96 | 13.50 |
|               |                   | 134 | 5670 | 11.98 | 13.50 |
|               |                   | 142 | 5710 | 12.03 | 13.50 |
|               | 802.11ac<br>VHT20 | 100 | 5500 | 12.62 | 14.00 |
|               |                   | 104 | 5520 | 12.33 | 14.00 |
|               |                   | 108 | 5540 | 12.52 | 14.00 |
|               |                   | 112 | 5560 | 12.59 | 14.00 |
|               |                   | 116 | 5580 | 12.84 | 14.00 |
|               |                   | 120 | 5600 | 12.65 | 14.00 |
|               |                   | 124 | 5620 | 12.57 | 14.00 |



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