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ANNEX A - MEASUREMENT RESULTS

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MAXIMUM OUTPUT POWER

Antenna gain (dRi) __1 2

| Antenna | gain (dBi) | -1.2 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------------|--------------------------|------------------------|-----------------|
| | | LTE | Band 2_Uplin | k frequ | ency ba | nd: 1850 to | 1910 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.20 | 21.00 | 33 | -12 |
| | 18607 | 1850.7 | QPSK | 1 | 5 | 22.02 | 20.82 | 33 | -12.18 |
| | 10007 | 1000.7 | UPSK | 3 | 2 | 21.33 | 20.13 | 33 | -12.87 |
| | | | | 6 | 0 | 21.01 | 19.81 | 33 | -13.19 |
| | | | | 1 | 0 | 22.09 | 20.89 | 33 | -12.11 |
| 1.4 | 18900 | 1880 | QPSK | 1 | 5 | 22.15 | 20.95 | 33 | -12.05 |
| 1.4 | 10700 | 1000 | QI 3K | 3 | 2 | 21.34 | 20.14 | 33 | -12.86 |
| | | | | 6 | 0 | 21.08 | 19.88 | 33 | -13.12 |
| | | | | 1 | 0 | 22.05 | 20.85 | 33 | -12.15 |
| | 19193 | 1909.3 | QPSK | 1 | 5 | 22.15 | 20.95 | 33 | -12.05 |
| | 17173 | 1707.3 | Qi Sik | 3 | 2 | 21.38 | 20.18 | 33 | -12.82 |
| | | | | 6 | 0 | 21.13 | 19.93 | 33 | -13.07 |
| | | | | 1 | 0 | 21.20 | 20.00 | 33 | -13 |
| | 18607 | 1850.7 | 16QAM | 1 | 5 | 21.04 | 19.84 | 33 | -13.16 |
| | | 100017 | | 3 | 2 | 20.35 | 19.15 | 33 | -13.85 |
| | | | | 6 | 0 | 20.14 | 18.94 | 33 | -14.06 |
| | 18900 | 1880 | 16QAM - | 1 | 0 | 21.18 | 19.98 | 33 | -13.02 |
| 1.4 | | | | 1 | 5 | 21.13 | 19.93 | 33 | -13.07 |
| | .0700 | | | 3 | 2 | 20.37 | 19.17 | 33 | -13.83 |
| | | | | 6 | 0 | 20.15 | 18.95 | 33 | -14.05 |
| | | | | 1 | 0 | 21.18 | 19.98 | 33 | -13.02 |
| | 19193 | 1909.3 | 16QAM | 1 | 5 | 21.02 | 19.82 | 33 | -13.18 |
| | | | | 3 | 2 | 20.33 | 19.13 | 33 | -13.87 |
| | | | | 6 | 0 | 20.05 | 18.85 | 33 | -14.15 |
| | | | | 1 | 0 | 20.08 | 18.88 | 33 | -14.12 |
| | 18607 | 1850.7 | 64QAM | 1 | 5 | 20.18 | 18.98 | 33 | -14.02 |
| | | | | 3 | 2 | 19.38 | 18.18 | 33 | -14.82 |
| | | | | 6 | 0 | 19.15 | 17.95 | 33 | -15.05 |
| | | | | 1 | 0 | 20.06 | 18.86 | 33 | -14.14 |
| 1.4 | 18900 | 1880 | 64QAM | 1 | 5 | 20.08 | 18.88 | 33 | -14.12 |
| | | | | 3 | 2 | 19.34 | 18.14 | 33 | -14.86 |
| | | | | 6 | 0 | 19.18 | 17.98 | 33 | -15.02 |
| | | | | 1 | 5 | 20.04 | 18.84 | 33 | -14.16 |
| | 19193 | 1909.3 | 64QAM | 3 | | 20.09 | 18.89 | 33 | -14.11 14.07 |
| | | | | | 2 | 19.33 | 18.13 | 33 | -14.87 15.06 |
| | | | | 6 | 0 | 19.14 | 17.94 | 33 | -15.06 |

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Antenna gain (dBi)

| | | | D 10 11 11 | | | 1 4670 | 1040 14: | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 2_Uplin | ik frequ | ency ba | nd : 1850 to 1 | | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.14 | 20.94 | 33 | -12.06 |
| | 18615 | 1851.5 | QPSK | 1 | 14 | 22.13 | 20.93 | 33 | -12.07 |
| | 10013 | 1001.0 | QF 3K | 8 | 4 | 21.15 | 19.95 | 33 | -13.05 |
| | | | | 15 | 0 | 21.14 | 19.94 | 33 | -13.06 |
| | | | | 1 | 0 | 22.17 | 20.97 | 33 | -12.03 |
| 3 | 18900 | 1880 | QPSK | 1 | 14 | 22.18 | 20.98 | 33 | -12.02 |
| 3 | 10700 | 1000 | QI JIX | 8 | 4 | 21.08 | 19.88 | 33 | -13.12 |
| | | | | 15 | 0 | 21.19 | 19.99 | 33 | -13.01 |
| | | | | 1 | 0 | 22.12 | 20.92 | 33 | -12.08 |
| | 19185 | 1908.5 | QPSK | 1 | 14 | 22.03 | 20.83 | 33 | -12.17 |
| | 17103 | 1700.5 | QF3K | 8 | 4 | 21.18 | 19.98 | 33 | -13.02 |
| | | | | 15 | 0 | 21.17 | 19.97 | 33 | -13.03 |
| | | | | 1 | 0 | 21.01 | 19.81 | 33 | -13.19 |
| | 18615 | 1851.5 | 16QAM | 1 | 14 | 21.06 | 19.86 | 33 | -13.14 |
| | 10010 | 1031.3 | | 8 | 4 | 20.18 | 18.98 | 33 | -14.02 |
| | | | | 15 | 0 | 20.08 | 18.88 | 33 | -14.12 |
| | 18900 | 1880 | 16QAM | 1 | 0 | 21.17 | 19.97 | 33 | -13.03 |
| 3 | | | | 1 | 14 | 21.17 | 19.97 | 33 | -13.03 |
| 3 | 10700 | | | 8 | 4 | 20.19 | 18.99 | 33 | -14.01 |
| | | | | 15 | 0 | 20.02 | 18.82 | 33 | -14.18 |
| | | | | 1 | 0 | 21.19 | 19.99 | 33 | -13.01 |
| | 19185 | 1908.5 | 16QAM | 1 | 14 | 21.04 | 19.84 | 33 | -13.16 |
| | 17103 | 1700.5 | 100/1111 | 8 | 4 | 20.03 | 18.83 | 33 | -14.17 |
| | | | | 15 | 0 | 20.05 | 18.85 | 33 | -14.15 |
| | | | | 1 | 0 | 20.12 | 18.92 | 33 | -14.08 |
| | 18615 | 1851.5 | 64QAM | 1 | 14 | 20.17 | 18.97 | 33 | -14.03 |
| | 10010 | 100110 | 012/11/1 | 8 | 4 | 19.10 | 17.90 | 33 | -15.1 |
| | | | | 15 | 0 | 19.05 | 17.85 | 33 | -15.15 |
| | | | | 1 | 0 | 20.09 | 18.89 | 33 | -14.11 |
| 3 | 18900 | 1880 | 64QAM | 1 | 14 | 20.12 | 18.92 | 33 | -14.08 |
| 9 | 10700 | 1.500 | 012/11/1 | 8 | 4 | 19.11 | 17.91 | 33 | -15.09 |
| | | | | 15 | 0 | 19.00 | 17.80 | 33 | -15.2 |
| | | | | 1 | 0 | 20.16 | 18.96 | 33 | -14.04 |
| | 19185 | 1908.5 | 64OAM | 1 | 14 | 20.06 | 18.86 | 33 | -14.14 |
| | 19185 | .,,,,,, | 64QAM | 8 | 4 | 19.03 | 17.83 | 33 | -15.17 |
| | | | | 15 | 0 | 19.03 | 17.83 | 33 | -15.17 |

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Antenna gain (dBi)

| 7 tritorina | J · (·) | -1.2 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 2_Uplin | k frequ | ency ba | ind : 1850 to 1 | 1910 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.11 | 20.91 | 33 | -12.09 |
| | 18625 | 1852.5 | QPSK | 1 | 24 | 22.04 | 20.84 | 33 | -12.16 |
| | 10023 | 1032.3 | QF 3K | 12 | 6 | 21.13 | 19.93 | 33 | -13.07 |
| | | | | 25 | 0 | 21.06 | 19.86 | 33 | -13.14 |
| | | | | 1 | 0 | 22.03 | 20.83 | 33 | -12.17 |
| 5 | 18900 | 1880 | QPSK | 1 | 24 | 22.18 | 20.98 | 33 | -12.02 |
| J | 10700 | 1000 | QF 3N | 12 | 6 | 21.14 | 19.94 | 33 | -13.06 |
| | | | | 25 | 0 | 21.05 | 19.85 | 33 | -13.15 |
| | | | | 1 | 0 | 22.15 | 20.95 | 33 | -12.05 |
| | 19175 | 1907.5 | QPSK | 1 | 24 | 22.00 | 20.80 | 33 | -12.2 |
| | 19173 | 1907.3 | UPSK | 12 | 6 | 21.06 | 19.86 | 33 | -13.14 |
| | | | | 25 | 0 | 21.07 | 19.87 | 33 | -13.13 |
| | | | | 1 | 0 | 21.04 | 19.84 | 33 | -13.16 |
| | 18625 | 1852.5 | 16QAM | 1 | 24 | 21.01 | 19.81 | 33 | -13.19 |
| | 10023 | 1032.3 | | 12 | 6 | 20.19 | 18.99 | 33 | -14.01 |
| | | | | 25 | 0 | 20.04 | 18.84 | 33 | -14.16 |
| | 18900 | 1880 | 16QAM | 1 | 0 | 21.12 | 19.92 | 33 | -13.08 |
| 5 | | | | 1 | 24 | 21.01 | 19.81 | 33 | -13.19 |
| J | 10700 | | | 12 | 6 | 20.02 | 18.82 | 33 | -14.18 |
| | | | | 25 | 0 | 20.06 | 18.86 | 33 | -14.14 |
| | | | | 1 | 0 | 21.10 | 19.90 | 33 | -13.1 |
| | 19175 | 1907.5 | 16QAM | 1 | 24 | 21.05 | 19.85 | 33 | -13.15 |
| | 17173 | 1707.3 | TOQAW | 12 | 6 | 20.16 | 18.96 | 33 | -14.04 |
| | | | | 25 | 0 | 20.16 | 18.96 | 33 | -14.04 |
| <u> </u> | | | | 1 | 0 | 20.05 | 18.85 | 33 | -14.15 |
| | 18625 | 1852.5 | 64QAM | 1 | 24 | 20.11 | 18.91 | 33 | -14.09 |
| | 10023 | 1032.3 | 04QAIVI | 12 | 6 | 19.03 | 17.83 | 33 | -15.17 |
| | | | | 25 | 0 | 19.14 | 17.94 | 33 | -15.06 |
| | | | | 1 | 0 | 20.05 | 18.85 | 33 | -14.15 |
| 5 | 18900 | 1880 | 64QAM | 1 | 24 | 20.14 | 18.94 | 33 | -14.06 |
| J | 10700 | 1000 | U4QAIVI | 12 | 6 | 19.03 | 17.83 | 33 | -15.17 |
| | | | | 25 | 0 | 19.12 | 17.92 | 33 | -15.08 |
| | | | | 1 | 0 | 20.17 | 18.97 | 33 | -14.03 |
| | 19175 | 1907.5 | 64QAM | 1 | 24 | 20.10 | 18.90 | 33 | -14.1 |
| | 17173 | 1707.3 | UTQAIVI | 12 | 6 | 19.15 | 17.95 | 33 | -15.05 |
| | | | | 25 | 0 | 19.15 | 17.95 | 33 | -15.05 |

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Antenna gain (dBi)

| | | | D 10.11.11 | | | 1 40501 | 1040 1411 | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|-----------------|
| | | LIE | Band 2_Uplin | k frequ | ency ba | ind: 1850 to 1 | 1910 MHZ | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.11 | 20.91 | 33 | -12.09 |
| | 10450 | 1055 | QPSK | 1 | 49 | 22.15 | 20.95 | 33 | -12.05 |
| | 18650 | 1855 | UP3K | 25 | 12 | 21.13 | 19.93 | 33 | -13.07 |
| | | | | 50 | 0 | 21.05 | 19.85 | 33 | -13.15 |
| | | | | 1 | 0 | 22.10 | 20.90 | 33 | -12.1 |
| 10 | 18900 | 1880 | QPSK | 1 | 49 | 22.20 | 21.00 | 33 | -12 |
| 10 | 10700 | 1000 | QF3K | 25 | 12 | 21.07 | 19.87 | 33 | -13.13 |
| | | | | 50 | 0 | 21.13 | 19.93 | 33 | -13.07 |
| | | | | 1 | 0 | 22.10 | 20.90 | 33 | -12.1 |
| | 19150 | 1905 | QPSK | 1 | 49 | 22.13 | 20.93 | 33 | -12.07 |
| | 17130 | 1703 | QI JIK | 25 | 12 | 21.14 | 19.94 | 33 | -13.06 |
| | | | | 50 | 0 | 21.13 | 19.93 | 33 | -13.07 |
| | | | 16QAM - | 1 | 0 | 21.07 | 19.87 | 33 | -13.13 |
| | 18650 | 1855 | | 1 | 49 | 21.13 | 19.93 | 33 | -13.07 |
| | 10000 | | | 25 | 12 | 20.06 | 18.86 | 33 | -14.14 |
| | | | | 50 | 0 | 20.09 | 18.89 | 33 | -14.11 |
| | 18900 | 1880 | 16QAM - | 1 | 0 | 21.14 | 19.94 | 33 | -13.06 |
| 10 | | | | 1 | 49 | 21.01 | 19.81 | 33 | -13.19 |
| | | | | 25 | 12 | 20.10 | 18.90 | 33 | -14.1 |
| | | | | 50 | 0 | 20.01 | 18.81 | 33 | -14.19 |
| | | | | 1 | 0 | 21.18 | 19.98 | 33 | -13.02 |
| | 19150 | 1905 | 16QAM | 1 | 49 | 21.12 | 19.92 | 33 | -13.08 |
| | | | | 25 | 12 | 20.18 | 18.98 | 33 | -14.02 |
| | | | | 50 | 0 | 20.15 | 18.95 | 33 | -14.05 |
| | | | | 1 | 0 | 20.12 | 18.92 | 33 | -14.08 |
| | 18650 | 1855 | 64QAM | 25 | 49 | 20.16 | 18.96 | 33 | -14.04 |
| | | | | 25 50 | 12 | 19.00 19.06 | 17.80 17.86 | 33 | -15.2 -15.14 |
| | | | | 1 | 0 | 20.20 | 19.00 | 33 | -13.14 |
| | | | | 1 | 49 | 20.20 | 18.98 | 33 | -14.02 |
| 10 | 18900 | 1880 | 64QAM | 25 | 12 | 19.02 | 17.82 | 33 | -14.02 |
| | | | | 50 | 0 | 19.10 | 17.02 | 33 | -15.10 |
| | | | | 1 | 0 | 20.15 | 18.95 | 33 | -14.05 |
| | | | | 1 | 49 | 20.07 | 18.87 | 33 | -14.13 |
| | 19150 | 1905 | 64QAM | 25 | 12 | 19.06 | 17.86 | 33 | -15.14 |
| | | | | 50 | 0 | 19.10 | 17.90 | 33 | -15.1 |

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Antenna gain (dBi)

| 7 tillorina | yalli (ubi) | -1.2 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 2_Uplin | k frequ | ency ba | ind: 1850 to | 1910 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.00 | 20.80 | 33 | -12.2 |
| | 10/75 | 1057.5 | ODCK | 1 | 74 | 22.20 | 21.00 | 33 | -12 |
| | 18675 | 1857.5 | QPSK | 36 | 18 | 21.12 | 19.92 | 33 | -13.08 |
| | | | | 75 | 0 | 21.03 | 19.83 | 33 | -13.17 |
| | | | | 1 | 0 | 22.02 | 20.82 | 33 | -12.18 |
| 15 | 10000 | 1000 | QPSK | 1 | 74 | 22.10 | 20.90 | 33 | -12.1 |
| 15 | 18900 | 1880 | UP3K | 36 | 18 | 21.19 | 19.99 | 33 | -13.01 |
| | | | | 75 | 0 | 21.16 | 19.96 | 33 | -13.04 |
| | | | | 1 | 0 | 22.15 | 20.95 | 33 | -12.05 |
| | 19125 | 1000 E | QPSK | 1 | 74 | 22.18 | 20.98 | 33 | -12.02 |
| | 19125 | 1902.5 | UP3K | 36 | 18 | 21.18 | 19.98 | 33 | -13.02 |
| | | | | 75 | 0 | 21.02 | 19.82 | 33 | -13.18 |
| | | | | 1 | 0 | 21.17 | 19.97 | 33 | -13.03 |
| | 18675 | 1857.5 | 16QAM | 1 | 74 | 21.17 | 19.97 | 33 | -13.03 |
| | 10070 | 1037.3 | TOQAW | 36 | 18 | 20.02 | 18.82 | 33 | -14.18 |
| | | | | 75 | 0 | 20.08 | 18.88 | 33 | -14.12 |
| | 18900 | 1880 | 16QAM | 1 | 0 | 21.11 | 19.91 | 33 | -13.09 |
| 15 | | | | 1 | 74 | 21.10 | 19.90 | 33 | -13.1 |
| 13 | 10900 | | | 36 | 18 | 20.13 | 18.93 | 33 | -14.07 |
| | | | | 75 | 0 | 20.06 | 18.86 | 33 | -14.14 |
| | | | | 1 | 0 | 21.05 | 19.85 | 33 | -13.15 |
| | 19125 | 1902.5 | 16QAM | 1 | 74 | 21.02 | 19.82 | 33 | -13.18 |
| | 19123 | 1902.5 | TOQAW | 36 | 18 | 20.11 | 18.91 | 33 | -14.09 |
| | | | | 75 | 0 | 20.08 | 18.88 | 33 | -14.12 |
| | | | | 1 | 0 | 20.04 | 18.84 | 33 | -14.16 |
| | 18675 | 1857.5 | 64QAM | 1 | 74 | 20.02 | 18.82 | 33 | -14.18 |
| | 10073 | 1007.0 | 04QAIVI | 36 | 18 | 19.01 | 17.81 | 33 | -15.19 |
| | | | | 75 | 0 | 19.07 | 17.87 | 33 | -15.13 |
| | | | | 1 | 0 | 20.18 | 18.98 | 33 | -14.02 |
| 15 | 18900 | 1880 | 64QAM | 1 | 74 | 20.00 | 18.80 | 33 | -14.2 |
| 10 | 10700 | 1000 | U4QAW | 36 | 18 | 19.18 | 17.98 | 33 | -15.02 |
| | | | | 75 | 0 | 19.17 | 17.97 | 33 | -15.03 |
| | | | | 1 | 0 | 20.19 | 18.99 | 33 | -14.01 |
| | 10125 | 1902.5 | 64QAM | 1 | 74 | 20.19 | 18.99 | 33 | -14.01 |
| | 19125 | | | 36 | 18 | 19.14 | 17.94 | 33 | -15.06 |
| | | | | 75 | 0 | 19.03 | 17.83 | 33 | -15.17 |

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Antenna gain (dBi)

| Antonna | J · (·) | -1.2 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 2_Uplin | k frequ | ency ba | nd : 1850 to 1 | 1910 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.13 | 20.93 | 33 | -12.07 |
| | 18700 | 1860 | QPSK | 1 | 99 | 22.19 | 20.99 | 33 | -12.01 |
| | 10700 | 1000 | UPSK | 50 | 25 | 21.01 | 19.81 | 33 | -13.19 |
| | | | | 100 | 0 | 21.06 | 19.86 | 33 | -13.14 |
| | | | | 1 | 0 | 22.15 | 20.95 | 33 | -12.05 |
| 20 | 18900 | 1880 | QPSK | 1 | 99 | 22.14 | 20.94 | 33 | -12.06 |
| 20 | 10900 | 1000 | UPSK | 50 | 25 | 21.04 | 19.84 | 33 | -13.16 |
| | | | | 100 | 0 | 21.00 | 19.80 | 33 | -13.2 |
| | | | | 1 | 0 | 22.35 | 21.15 | 33 | -11.85 |
| | 19100 | 1900 | QPSK | 1 | 99 | 22.26 | 21.06 | 33 | -11.94 |
| | 19100 | 1900 | UPSK | 50 | 25 | 20.74 | 19.54 | 33 | -13.46 |
| | | | | 100 | 0 | 20.67 | 19.47 | 33 | -13.53 |
| | | | | 1 | 0 | 21.09 | 19.89 | 33 | -13.11 |
| | 18700 | 1860 | 16QAM | 1 | 99 | 21.05 | 19.85 | 33 | -13.15 |
| | 10700 | 1000 | | 50 | 25 | 20.01 | 18.81 | 33 | -14.19 |
| | | | | 100 | 0 | 20.02 | 18.82 | 33 | -14.18 |
| | 18900 | 1880 | 16QAM | 1 | 0 | 21.14 | 19.94 | 33 | -13.06 |
| 20 | | | | 1 | 99 | 21.09 | 19.89 | 33 | -13.11 |
| 20 | 10700 | | | 50 | 25 | 20.07 | 18.87 | 33 | -14.13 |
| | | | | 100 | 0 | 20.14 | 18.94 | 33 | -14.06 |
| | | | | 1 | 0 | 21.10 | 19.90 | 33 | -13.1 |
| | 19100 | 1900 | 16QAM | 1 | 99 | 21.12 | 19.92 | 33 | -13.08 |
| | 17100 | 1700 | TOQAW | 50 | 25 | 19.76 | 18.56 | 33 | -14.44 |
| | | | | 100 | 0 | 19.66 | 18.46 | 33 | -14.54 |
| | | | | 1 | 0 | 20.11 | 18.91 | 33 | -14.09 |
| | 18700 | 1860 | 64QAM | 1 | 99 | 20.19 | 18.99 | 33 | -14.01 |
| | 10700 | 1000 | O IQI (IVI | 50 | 25 | 19.02 | 17.82 | 33 | -15.18 |
| | | | | 100 | 0 | 19.05 | 17.85 | 33 | -15.15 |
| | | | | 1 | 0 | 20.06 | 18.86 | 33 | -14.14 |
| 20 | 18900 | 1880 | 64QAM | 1 | 99 | 20.14 | 18.94 | 33 | -14.06 |
| 20 | 10,00 | 1000 | O IQI (IVI | 50 | 25 | 19.08 | 17.88 | 33 | -15.12 |
| | | | | 100 | 0 | 19.07 | 17.87 | 33 | -15.13 |
| | | | | 1 | 0 | 20.96 | 19.76 | 33 | -13.24 |
| | 19100 | 1900 | 64QAM | 1 | 99 | 20.91 | 19.71 | 33 | -13.29 |
| | 1,100 | 1,00 | 012/11/1 | 50 | 25 | 19.75 | 18.55 | 33 | -14.45 |
| | | | | 100 | 0 | 19.69 | 18.49 | 33 | -14.51 |

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Antenna gain (dBi) -3.1

| 7 tritorina | 9 () | -5.1 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 4_Uplin | k frequ | ency ba | ind : 1710 to 1 | 1755 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.30 | 19.20 | 30 | -10.8 |
| | 19957 | 1710.7 | QPSK | 1 | 5 | 22.41 | 19.31 | 30 | -10.69 |
| | 19907 | 1710.7 | UPSK | 3 | 2 | 22.25 | 19.15 | 30 | -10.85 |
| | | | | 6 | 0 | 21.29 | 18.19 | 30 | -11.81 |
| | | | | 1 | 0 | 22.40 | 19.30 | 30 | -10.7 |
| 1.4 | 20175 | 1732.5 | QPSK | 1 | 5 | 22.35 | 19.25 | 30 | -10.75 |
| 1.4 | 20173 | 1732.3 | QF3K | 3 | 2 | 22.30 | 19.20 | 30 | -10.8 |
| | | | | 6 | 0 | 21.28 | 18.18 | 30 | -11.82 |
| | | | | 1 | 0 | 22.41 | 19.31 | 30 | -10.69 |
| | 20393 | 1754.3 | QPSK | 1 | 5 | 22.45 | 19.35 | 30 | -10.65 |
| | 20373 | 1734.3 | QI JIK | 3 | 2 | 22.32 | 19.22 | 30 | -10.78 |
| | | | | 6 | 0 | 21.44 | 18.34 | 30 | -11.66 |
| | | | 16QAM | 1 | 0 | 21.37 | 18.27 | 30 | -11.73 |
| | 19957 | 1710.7 | | 1 | 5 | 21.41 | 18.31 | 30 | -11.69 |
| | 17707 | | | 3 | 2 | 21.44 | 18.34 | 30 | -11.66 |
| | | | | 6 | 0 | 20.39 | 17.29 | 30 | -12.71 |
| | 20175 | 1732.5 | 16QAM | 1 | 0 | 21.35 | 18.25 | 30 | -11.75 |
| 1.4 | | | | 1 | 5 | 21.34 | 18.24 | 30 | -11.76 |
| | 20170 | | | 3 | 2 | 21.28 | 18.18 | 30 | -11.82 |
| | | | | 6 | 0 | 20.26 | 17.16 | 30 | -12.84 |
| | | | | 1 | 0 | 21.44 | 18.34 | 30 | -11.66 |
| | 20393 | 1754.3 | 16QAM | 1 | 5 | 21.30 | 18.20 | 30 | -11.8 |
| | | .,,,,,, | | 3 | 2 | 21.44 | 18.34 | 30 | -11.66 |
| | | | | 6 | 0 | 20.43 | 17.33 | 30 | -12.67 |
| | | | | 1 | 0 | 20.30 | 17.20 | 30 | -12.8 |
| | 19957 | 1710.7 | 64QAM | 1 | 5 | 20.34 | 17.24 | 30 | -12.76 |
| | | | | 3 | 2 | 20.31 | 17.21 | 30 | -12.79 |
| | | | | 6 | 0 | 19.39 | 16.29 | 30 | -13.71 |
| | | | | 1 | 0 | 20.38 | 17.28 | 30 | -12.72 |
| 1.4 | 20175 | 1732.5 | 64QAM | 1 | 5 | 20.36 | 17.26 | 30 | -12.74 |
| | | | | 3 | 2 | 20.26 | 17.16 | 30 | -12.84 |
| | | | | 6 | 0 | 19.29 | 16.19 | 30 | -13.81 |
| | | | | 1 | 0 | 20.30 | 17.20 | 30 | -12.8 |
| | 20393 | 1754.3 | 64QAM | 1 | 5 | 20.26 | 17.16 | 30 | -12.84 |
| | | | | 3 | 2 | 20.29 | 17.19 | 30 | -12.81 |
| | | | | 6 | 0 | 19.28 | 16.18 | 30 | -13.82 |

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Antenna gain (dBi) -3.1

| Antenna | 9 () | -5.1 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 4_Uplin | ık frequ | ency ba | ind: 1710 to | 1755 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.45 | 19.35 | 30 | -10.65 |
| | 19965 | 1711.5 | QPSK | 1 | 14 | 22.42 | 19.32 | 30 | -10.68 |
| | 17705 | 1711.5 | QF 3K | 8 | 4 | 21.28 | 18.18 | 30 | -11.82 |
| | | | | 15 | 0 | 21.39 | 18.29 | 30 | -11.71 |
| | | | | 1 | 0 | 22.33 | 19.23 | 30 | -10.77 |
| 3 | 20175 | 1732.5 | QPSK | 1 | 14 | 22.43 | 19.33 | 30 | -10.67 |
| 3 | 20173 | 1732.3 | QI JI | 8 | 4 | 21.31 | 18.21 | 30 | -11.79 |
| | | | | 15 | 0 | 21.28 | 18.18 | 30 | -11.82 |
| | | | | 1 | 0 | 22.34 | 19.24 | 30 | -10.76 |
| | 20385 | 1753.5 | QPSK | 1 | 14 | 22.41 | 19.31 | 30 | -10.69 |
| | 20303 | 1733.3 | QI JI | 8 | 4 | 21.34 | 18.24 | 30 | -11.76 |
| | | | | 15 | 0 | 21.37 | 18.27 | 30 | -11.73 |
| | | | 16QAM | 1 | 0 | 21.36 | 18.26 | 30 | -11.74 |
| | 19965 | 1711.5 | | 1 | 14 | 21.37 | 18.27 | 30 | -11.73 |
| | 17703 | 1711.0 | | 8 | 4 | 20.29 | 17.19 | 30 | -12.81 |
| | | | | 15 | 0 | 20.26 | 17.16 | 30 | -12.84 |
| | 20175 | 1732.5 | 16QAM | 1 | 0 | 21.44 | 18.34 | 30 | -11.66 |
| 3 | | | | 1 | 14 | 21.38 | 18.28 | 30 | -11.72 |
| 3 | 20173 | | | 8 | 4 | 20.38 | 17.28 | 30 | -12.72 |
| | | | | 15 | 0 | 20.40 | 17.30 | 30 | -12.7 |
| | | | | 1 | 0 | 21.44 | 18.34 | 30 | -11.66 |
| | 20385 | 1753.5 | 16QAM | 1 | 14 | 21.35 | 18.25 | 30 | -11.75 |
| | 20303 | 1700.0 | 10071111 | 8 | 4 | 20.33 | 17.23 | 30 | -12.77 |
| | | | | 15 | 0 | 20.27 | 17.17 | 30 | -12.83 |
| | | | | 1 | 0 | 20.32 | 17.22 | 30 | -12.78 |
| | 19965 | 1711.5 | 64QAM | 1 | 14 | 20.36 | 17.26 | 30 | -12.74 |
| | 1,,,00 | 1,711.0 | 012/11/1 | 8 | 4 | 19.27 | 16.17 | 30 | -13.83 |
| | | | | 15 | 0 | 19.29 | 16.19 | 30 | -13.81 |
| | | | | 1 | 0 | 20.29 | 17.19 | 30 | -12.81 |
| 3 | 20175 | 1732.5 | 64QAM | 1 | 14 | 20.44 | 17.34 | 30 | -12.66 |
| | | 52.10 | J. 27 1111 | 8 | 4 | 19.40 | 16.30 | 30 | -13.7 |
| | | | | 15 | 0 | 19.32 | 16.22 | 30 | -13.78 |
| | | | | 1 | 0 | 20.38 | 17.28 | 30 | -12.72 |
| | 20385 | 1753.5 | 64QAM | 1 | 14 | 20.36 | 17.26 | 30 | -12.74 |
| | | | | 8 | 4 | 19.27 | 16.17 | 30 | -13.83 |
| | | | | 15 | 0 | 19.42 | 16.32 | 30 | -13.68 |

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Antenna gain (dBi) -3.1

| Antenna | yalli (ubi) | -3.1 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 4_Uplin | k frequ | ency ba | and: 1710 to | 1755 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.26 | 19.16 | 30 | -10.84 |
| | 10075 | 1710 E | QPSK | 1 | 24 | 22.42 | 19.32 | 30 | -10.68 |
| | 19975 | 1712.5 | UP3K | 12 | 6 | 21.27 | 18.17 | 30 | -11.83 |
| | | | | 25 | 0 | 21.42 | 18.32 | 30 | -11.68 |
| | | | | 1 | 0 | 22.32 | 19.22 | 30 | -10.78 |
| 5 | 20175 | 1732.5 | QPSK | 1 | 24 | 22.29 | 19.19 | 30 | -10.81 |
| 3 | 20173 | 1732.3 | UPSK | 12 | 6 | 21.27 | 18.17 | 30 | -11.83 |
| | | | | 25 | 0 | 21.36 | 18.26 | 30 | -11.74 |
| | | | | 1 | 0 | 22.27 | 19.17 | 30 | -10.83 |
| | 20375 | 1752.5 | QPSK | 1 | 24 | 22.40 | 19.30 | 30 | -10.7 |
| | 20373 | 1732.3 | UPSK | 12 | 6 | 21.31 | 18.21 | 30 | -11.79 |
| | | | | 25 | 0 | 21.38 | 18.28 | 30 | -11.72 |
| | | | 1 | 0 | 21.33 | 18.23 | 30 | -11.77 | |
| | 19975 | 1712.5 | 16QAM | 1 | 24 | 21.29 | 18.19 | 30 | -11.81 |
| | 17773 | 1712.3 | TOQAW | 12 | 6 | 20.35 | 17.25 | 30 | -12.75 |
| | | | | 25 | 0 | 20.26 | 17.16 | 30 | -12.84 |
| | 20175 | 1732.5 | 16QAM | 1 | 0 | 21.32 | 18.22 | 30 | -11.78 |
| 5 | | | | 1 | 24 | 21.42 | 18.32 | 30 | -11.68 |
| J | 20173 | | | 12 | 6 | 20.36 | 17.26 | 30 | -12.74 |
| | | | | 25 | 0 | 20.40 | 17.30 | 30 | -12.7 |
| | | | | 1 | 0 | 21.43 | 18.33 | 30 | -11.67 |
| | 20375 | 1752.5 | 16QAM | 1 | 24 | 21.35 | 18.25 | 30 | -11.75 |
| | 20373 | 1732.3 | TOCAIVI | 12 | 6 | 20.39 | 17.29 | 30 | -12.71 |
| | | | | 25 | 0 | 20.32 | 17.22 | 30 | -12.78 |
| | | | | 1 | 0 | 20.34 | 17.24 | 30 | -12.76 |
| | 19975 | 1712.5 | 64QAM | 1 | 24 | 20.27 | 17.17 | 30 | -12.83 |
| | 17773 | 1712.3 | UTQAIVI | 12 | 6 | 19.41 | 16.31 | 30 | -13.69 |
| | | | | 25 | 0 | 19.30 | 16.20 | 30 | -13.8 |
| | | | | 1 | 0 | 20.42 | 17.32 | 30 | -12.68 |
| 5 | 20175 | 1732.5 | 64QAM | 1 | 24 | 20.36 | 17.26 | 30 | -12.74 |
| 5 | 20173 | 1732.3 | 010/11/1 | 12 | 6 | 19.28 | 16.18 | 30 | -13.82 |
| | | | | 25 | 0 | 19.41 | 16.31 | 30 | -13.69 |
| | | | | 1 | 0 | 20.39 | 17.29 | 30 | -12.71 |
| | 20375 | 1752.5 | 64QAM | 1 | 24 | 20.31 | 17.21 | 30 | -12.79 |
| | 20375 | 1,02.0 | 012/11/1 | 12 | 6 | 19.30 | 16.20 | 30 | -13.8 |
| | | | | 25 | 0 | 19.39 | 16.29 | 30 | -13.71 |

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Antenna gain (dBi) -3.1

| 7 tritorina | J · (·) | -5.1 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 4_Uplin | k frequ | ency ba | ind : 1710 to 1 | 1755 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.38 | 19.28 | 30 | -10.72 |
| | 20000 | 1715 | QPSK | 1 | 49 | 22.37 | 19.27 | 30 | -10.73 |
| | 20000 | 1713 | UPSK | 25 | 12 | 21.40 | 18.30 | 30 | -11.7 |
| | | | | 50 | 0 | 21.30 | 18.20 | 30 | -11.8 |
| | | | | 1 | 0 | 22.31 | 19.21 | 30 | -10.79 |
| 10 | 20175 | 1732.5 | QPSK | 1 | 49 | 22.34 | 19.24 | 30 | -10.76 |
| 10 | 20173 | 1732.3 | QF 3K | 25 | 12 | 21.35 | 18.25 | 30 | -11.75 |
| | | | | 50 | 0 | 21.28 | 18.18 | 30 | -11.82 |
| | | | | 1 | 0 | 22.26 | 19.16 | 30 | -10.84 |
| | 20350 | 1750 | QPSK | 1 | 49 | 22.37 | 19.27 | 30 | -10.73 |
| | 20330 | 1730 | QI JIX | 25 | 12 | 21.27 | 18.17 | 30 | -11.83 |
| | | | | 50 | 0 | 21.41 | 18.31 | 30 | -11.69 |
| | | | | 1 | 0 | 21.37 | 18.27 | 30 | -11.73 |
| | 20000 | 1715 | 16QAM | 1 | 49 | 21.31 | 18.21 | 30 | -11.79 |
| | 20000 | 1715 | | 25 | 12 | 20.41 | 17.31 | 30 | -12.69 |
| | | | | 50 | 0 | 20.28 | 17.18 | 30 | -12.82 |
| | 20175 | 1732.5 | 16QAM | 1 | 0 | 21.43 | 18.33 | 30 | -11.67 |
| 10 | | | | 1 | 49 | 21.43 | 18.33 | 30 | -11.67 |
| 10 | 20173 | | | 25 | 12 | 20.25 | 17.15 | 30 | -12.85 |
| | | | | 50 | 0 | 20.27 | 17.17 | 30 | -12.83 |
| | | | | 1 | 0 | 21.36 | 18.26 | 30 | -11.74 |
| | 20350 | 1750 | 16QAM | 1 | 49 | 21.27 | 18.17 | 30 | -11.83 |
| | 20300 | 1700 | 10071111 | 25 | 12 | 20.36 | 17.26 | 30 | -12.74 |
| | | | | 50 | 0 | 20.37 | 17.27 | 30 | -12.73 |
| | | | | 1 | 0 | 20.34 | 17.24 | 30 | -12.76 |
| | 20000 | 1715 | 64QAM | 1 | 49 | 20.26 | 17.16 | 30 | -12.84 |
| | | | | 25 | 12 | 19.29 | 16.19 | 30 | -13.81 |
| | | | | 50 | 0 | 19.38 | 16.28 | 30 | -13.72 |
| | | | | 1 | 0 | 20.35 | 17.25 | 30 | -12.75 |
| 10 | 20175 | 1732.5 | 64QAM | 1 | 49 | 20.41 | 17.31 | 30 | -12.69 |
| | ==:0 | | | 25 | 12 | 19.38 | 16.28 | 30 | -13.72 |
| | | | | 50 | 0 | 19.32 | 16.22 | 30 | -13.78 |
| | | | | 1 | 0 | 20.39 | 17.29 | 30 | -12.71 |
| | 20350 | 1750 | 64QAM | 1 | 49 | 20.32 | 17.22 | 30 | -12.78 |
| | | | | 25 | 12 | 19.38 | 16.28 | 30 | -13.72 |
| | | | | 50 | 0 | 19.32 | 16.22 | 30 | -13.78 |

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Antenna gain (dBi) -3.1

| Antenna | yalli (ubi) | -3.1 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 4_Uplin | k frequ | ency ba | and: 1710 to | 1755 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.42 | 19.32 | 30 | -10.68 |
| | 20025 | 1717 [| ODCK | 1 | 74 | 22.30 | 19.20 | 30 | -10.8 |
| | 20025 | 1717.5 | QPSK | 36 | 18 | 21.34 | 18.24 | 30 | -11.76 |
| | | | | 75 | 0 | 21.31 | 18.21 | 30 | -11.79 |
| | | | | 1 | 0 | 22.42 | 19.32 | 30 | -10.68 |
| 15 | 20175 | 1722 5 | QPSK | 1 | 74 | 22.44 | 19.34 | 30 | -10.66 |
| 15 | 20175 | 1732.5 | UP3K | 36 | 18 | 21.38 | 18.28 | 30 | -11.72 |
| | | | | 75 | 0 | 21.25 | 18.15 | 30 | -11.85 |
| | | | | 1 | 0 | 22.26 | 19.16 | 30 | -10.84 |
| | 20225 | 17/7 5 | QPSK | 1 | 74 | 22.29 | 19.19 | 30 | -10.81 |
| | 20325 | 1747.5 | UPSK | 36 | 18 | 21.31 | 18.21 | 30 | -11.79 |
| | | | | 75 | 0 | 21.35 | 18.25 | 30 | -11.75 |
| | | | | 1 | 0 | 21.40 | 18.30 | 30 | -11.7 |
| | 20025 | 1717.5 | 16QAM | 1 | 74 | 21.30 | 18.20 | 30 | -11.8 |
| | 20025 | 1717.5 | TOQAW | 36 | 18 | 20.39 | 17.29 | 30 | -12.71 |
| | | | | 75 | 0 | 20.27 | 17.17 | 30 | -12.83 |
| | 20175 | 1732.5 | 16QAM | 1 | 0 | 21.39 | 18.29 | 30 | -11.71 |
| 15 | | | | 1 | 74 | 21.34 | 18.24 | 30 | -11.76 |
| 13 | 20173 | | | 36 | 18 | 20.36 | 17.26 | 30 | -12.74 |
| | | | | 75 | 0 | 20.39 | 17.29 | 30 | -12.71 |
| | | | | 1 | 0 | 21.37 | 18.27 | 30 | -11.73 |
| | 20325 | 1747.5 | 16QAM | 1 | 74 | 21.30 | 18.20 | 30 | -11.8 |
| | 20323 | 1747.3 | TOQAW | 36 | 18 | 20.34 | 17.24 | 30 | -12.76 |
| | | | | 75 | 0 | 20.27 | 17.17 | 30 | -12.83 |
| | | | | 1 | 0 | 20.28 | 17.18 | 30 | -12.82 |
| | 20025 | 1717.5 | 64QAM | 1 | 74 | 20.30 | 17.20 | 30 | -12.8 |
| | 20023 | 1717.5 | 04QAIVI | 36 | 18 | 19.27 | 16.17 | 30 | -13.83 |
| | | | | 75 | 0 | 19.41 | 16.31 | 30 | -13.69 |
| | | | | 1 | 0 | 20.25 | 17.15 | 30 | -12.85 |
| 15 | 20175 | 1732.5 | 64QAM | 1 | 74 | 20.41 | 17.31 | 30 | -12.69 |
| 10 | 20173 | 1732.3 | U4QAIVI | 36 | 18 | 19.26 | 16.16 | 30 | -13.84 |
| | | | | 75 | 0 | 19.25 | 16.15 | 30 | -13.85 |
| | | | | 1 | 0 | 20.27 | 17.17 | 30 | -12.83 |
| | 20325 | 17/17 5 | 640AM | 1 | 74 | 20.38 | 17.28 | 30 | -12.72 |
| | 20325 | 1747.5 | 64QAM | 36 | 18 | 19.35 | 16.25 | 30 | -13.75 |
| | | | | 75 | 0 | 19.26 | 16.16 | 30 | -13.84 |

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Antenna gain (dBi) -3.1

| Antenna | gairi (a bi) | -3.1 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 4_Uplin | k frequ | ency ba | and: 1710 to | 1755 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.22 | 19.12 | 30 | -10.88 |
| | 20050 | 1700 | ODCK | 1 | 99 | 22.31 | 19.21 | 30 | -10.79 |
| | 20050 | 1720 | QPSK | 50 | 25 | 21.43 | 18.33 | 30 | -11.67 |
| | | | | 100 | 0 | 21.38 | 18.28 | 30 | -11.72 |
| | | | | 1 | 0 | 22.35 | 19.25 | 30 | -10.75 |
| 20 | 20175 | 1722 E | QPSK | 1 | 99 | 22.40 | 19.30 | 30 | -10.7 |
| 20 | 20175 | 1732.5 | UP3K | 50 | 25 | 21.43 | 18.33 | 30 | -11.67 |
| | | | | 100 | 0 | 21.32 | 18.22 | 30 | -11.78 |
| | | | | 1 | 0 | 22.46 | 19.36 | 30 | -10.64 |
| | 20200 | 1745 | QPSK | 1 | 99 | 22.42 | 19.32 | 30 | -10.68 |
| | 20300 | 1/43 | UPSK | 50 | 25 | 21.33 | 18.23 | 30 | -11.77 |
| | | | | 100 | 0 | 21.44 | 18.34 | 30 | -11.66 |
| | | | | 1 | 0 | 21.37 | 18.27 | 30 | -11.73 |
| | 20050 | 1720 | 140414 | 1 | 99 | 21.33 | 18.23 | 30 | -11.77 |
| | | 1720 | 16QAM - | 50 | 25 | 20.33 | 17.23 | 30 | -12.77 |
| | | | | 100 | 0 | 20.29 | 17.19 | 30 | -12.81 |
| | | 5 1732.5 | | 1 | 0 | 21.26 | 18.16 | 30 | -11.84 |
| 20 | 20175 | | 16QAM | 1 | 99 | 21.29 | 18.19 | 30 | -11.81 |
| 20 | 20173 | 1732.3 | TOQAW | 50 | 25 | 20.27 | 17.17 | 30 | -12.83 |
| | | | | 100 | 0 | 20.26 | 17.16 | 30 | -12.84 |
| | | | | 1 | 0 | 21.26 | 18.16 | 30 | -11.84 |
| | 20300 | 1745 | 16QAM | 1 | 99 | 21.25 | 18.15 | 30 | -11.85 |
| | 20300 | 1743 | TOQAW | 50 | 25 | 20.37 | 17.27 | 30 | -12.73 |
| | | | | 100 | 0 | 20.40 | 17.30 | 30 | -12.7 |
| | | | | 1 | 0 | 20.37 | 17.27 | 30 | -12.73 |
| | 20050 | 1720 | 64QAM | 1 | 99 | 20.29 | 17.19 | 30 | -12.81 |
| | 20030 | 1720 | 04QAIVI | 50 | 25 | 19.26 | 16.16 | 30 | -13.84 |
| | | | | 100 | 0 | 19.40 | 16.30 | 30 | -13.7 |
| | | | | 1 | 0 | 20.38 | 17.28 | 30 | -12.72 |
| 20 | 20175 | 1732.5 | 64QAM | 1 | 99 | 20.35 | 17.25 | 30 | -12.75 |
| 20 | 20173 | 1732.3 | U4QAIVI | 50 | 25 | 19.44 | 16.34 | 30 | -13.66 |
| | | | | 100 | 0 | 19.38 | 16.28 | 30 | -13.72 |
| | | | | 1 | 0 | 20.42 | 17.32 | 30 | -12.68 |
| | 20300 | 1745 | 64QAM | 1 | 99 | 20.27 | 17.17 | 30 | -12.83 |
| | 20300 | 1743 | UTUAIN | 50 | 25 | 19.38 | 16.28 | 30 | -13.72 |
| | | | | 100 | 0 | 19.40 | 16.30 | 30 | -13.7 |

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Antenna gain (dBi)

| Antenna | gain (dBi) | -3.9 | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|--------------|-------------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 5_Uplir | nk frequ | ency band : 8 | 824 to 849 MH | lz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 23.02 | 19.12 | 16.97 | 38.45 | -21.48 |
| | 20407 | 824.7 | QPSK | 1 | 5 | 23.08 | 19.18 | 17.03 | 38.45 | -21.42 |
| | 20407 | 024.7 | QPSK | 3 | 2 | 22.20 | 18.30 | 16.15 | 38.45 | -22.30 |
| | | | | 6 | 0 | 22.17 | 18.27 | 16.12 | 38.45 | -22.33 |
| | | | | 1 | 0 | 23.19 | 19.29 | 17.14 | 38.45 | -21.31 |
| 1.4 | 20525 | 836.5 | QPSK | 1 | 5 | 23.07 | 19.17 | 17.02 | 38.45 | -21.43 |
| 1.4 | 20020 | 030.3 | UFSK | 3 | 2 | 22.13 | 18.23 | 16.08 | 38.45 | -22.37 |
| | | | | 6 | 0 | 22.15 | 18.25 | 16.10 | 38.45 | -22.35 |
| | | | | 1 | 0 | 23.08 | 19.18 | 17.03 | 38.45 | -21.42 |
| | 20643 | 848.3 | QPSK | 1 | 5 | 23.18 | 19.28 | 17.13 | 38.45 | -21.32 |
| | 20043 | 040.3 | QF 3K | 3 | 2 | 22.08 | 18.18 | 16.03 | 38.45 | -22.42 |
| | | | | 6 | 0 | 22.15 | 18.25 | 16.10 | 38.45 | -22.35 |
| | | | | 1 | 0 | 22.11 | 18.21 | 16.06 | 38.45 | -22.39 |
| | 20407 8. | 824.7 | 16QAM | 1 | 5 | 22.12 | 18.22 | 16.07 | 38.45 | -22.38 |
| | 20407 | 024.7 | | 3 | 2 | 21.17 | 17.27 | 15.12 | 38.45 | -23.33 |
| | | | | 6 | 0 | 21.04 | 17.14 | 14.99 | 38.45 | -23.46 |
| | | | | 1 | 0 | 22.18 | 18.28 | 16.13 | 38.45 | -22.32 |
| 1.4 | 20525 | 836.5 | 16QAM | 1 | 5 | 22.19 | 18.29 | 16.14 | 38.45 | -22.31 |
| 1.7 | 20020 | 030.3 | TOQAW | 3 | 2 | 21.12 | 17.22 | 15.07 | 38.45 | -23.38 |
| | | | | 6 | 0 | 21.18 | 17.28 | 15.13 | 38.45 | -23.32 |
| | | | | 1 | 0 | 22.15 | 18.25 | 16.10 | 38.45 | -22.35 |
| | 20643 | 848.3 | 16QAM | 1 | 5 | 22.18 | 18.28 | 16.13 | 38.45 | -22.32 |
| | 20043 | 040.5 | 10071111 | 3 | 2 | 21.15 | 17.25 | 15.10 | 38.45 | -23.35 |
| | | | | 6 | 0 | 21.16 | 17.26 | 15.11 | 38.45 | -23.34 |
| | | | | 1 | 0 | 21.03 | 17.13 | 14.98 | 38.45 | -23.47 |
| | 20407 | 824.7 | 64QAM | 1 | 5 | 21.19 | 17.29 | 15.14 | 38.45 | -23.31 |
| | 20107 | 021.7 | 012/11/1 | 3 | 2 | 20.12 | 16.22 | 14.07 | 38.45 | -24.38 |
| | | | | 6 | 0 | 20.19 | 16.29 | 14.14 | 38.45 | -24.31 |
| | | | | 1 | 0 | 21.16 | 17.26 | 15.11 | 38.45 | -23.34 |
| 1.4 | 1.4 20525 | 836.5 | 64QAM | 1 | 5 | 21.17 | 17.27 | 15.12 | 38.45 | -23.33 |
| | | 330.0 | 3.27.1111 | 3 | 2 | 20.13 | 16.23 | 14.08 | 38.45 | -24.37 |
| | | | | 6 | 0 | 20.12 | 16.22 | 14.07 | 38.45 | -24.38 |
| | | | | 1 | 0 | 21.05 | 17.15 | 15.00 | 38.45 | -23.45 |
| | 20643 | 848.3 | 64QAM | 1 | 5 | 21.18 | 17.28 | 15.13 | 38.45 | -23.32 |
| | | 3.0.0 | 3.27.1111 | 3 | 2 | 20.10 | 16.20 | 14.05 | 38.45 | -24.40 |
| | | | | 6 | 0 | 20.13 | 16.23 | 14.08 | 38.45 | -24.37 |

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Antenna gain (dBi)

-39

| Antenna | gain (dBi) | -3.9 | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|--------------|-------------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 5_Uplir | nk frequ | ency band : 8 | 324 to 849 MF | lz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 23.04 | 19.14 | 16.99 | 38.45 | -21.46 |
| | 20.415 | 005.5 | ODCK | 1 | 14 | 23.12 | 19.22 | 17.07 | 38.45 | -21.38 |
| | 20415 | 825.5 | QPSK | 8 | 4 | 22.20 | 18.30 | 16.15 | 38.45 | -22.30 |
| | | | | 15 | 0 | 22.01 | 18.11 | 15.96 | 38.45 | -22.49 |
| | | | | 1 | 0 | 23.09 | 19.19 | 17.04 | 38.45 | -21.41 |
| 2 | 20525 | 02/ 5 | QPSK | 1 | 14 | 23.12 | 19.22 | 17.07 | 38.45 | -21.38 |
| 3 | 20525 | 836.5 | QP3K | 8 | 4 | 22.06 | 18.16 | 16.01 | 38.45 | -22.44 |
| | | | | 15 | 0 | 22.09 | 18.19 | 16.04 | 38.45 | -22.41 |
| | | | | 1 | 0 | 23.14 | 19.24 | 17.09 | 38.45 | -21.36 |
| | 20/25 | 047.5 | ODCK | 1 | 14 | 23.13 | 19.23 | 17.08 | 38.45 | -21.37 |
| | 20635 | 847.5 | QPSK | 8 | 4 | 22.13 | 18.23 | 16.08 | 38.45 | -22.37 |
| | | | | 15 | 0 | 22.11 | 18.21 | 16.06 | 38.45 | -22.39 |
| | | | | 1 | 0 | 22.02 | 18.12 | 15.97 | 38.45 | -22.48 |
| | 20415 | 025.5 | 16QAM | 1 | 14 | 22.18 | 18.28 | 16.13 | 38.45 | -22.32 |
| | 20413 | 825.5 | | 8 | 4 | 21.09 | 17.19 | 15.04 | 38.45 | -23.41 |
| | | | | 15 | 0 | 21.10 | 17.20 | 15.05 | 38.45 | -23.40 |
| | | | | 1 | 0 | 22.08 | 18.18 | 16.03 | 38.45 | -22.42 |
| 3 | 20525 | 836.5 | 16QAM | 1 | 14 | 22.16 | 18.26 | 16.11 | 38.45 | -22.34 |
| J | 20020 | 030.3 | TOQAW | 8 | 4 | 21.16 | 17.26 | 15.11 | 38.45 | -23.34 |
| | | | | 15 | 0 | 21.19 | 17.29 | 15.14 | 38.45 | -23.31 |
| | | | | 1 | 0 | 22.19 | 18.29 | 16.14 | 38.45 | -22.31 |
| | 20635 | 847.5 | 16QAM | 1 | 14 | 22.08 | 18.18 | 16.03 | 38.45 | -22.42 |
| | 20033 | 047.5 | TOQAW | 8 | 4 | 21.08 | 17.18 | 15.03 | 38.45 | -23.42 |
| | | | | 15 | 0 | 21.04 | 17.14 | 14.99 | 38.45 | -23.46 |
| | | | | 1 | 0 | 21.17 | 17.27 | 15.12 | 38.45 | -23.33 |
| | 20415 | 825.5 | 64QAM | 1 | 14 | 21.15 | 17.25 | 15.10 | 38.45 | -23.35 |
| | 20413 | 023.3 | UTQAIVI | 8 | 4 | 20.14 | 16.24 | 14.09 | 38.45 | -24.36 |
| | | | | 15 | 0 | 20.13 | 16.23 | 14.08 | 38.45 | -24.37 |
| | | | | 1 | 0 | 21.16 | 17.26 | 15.11 | 38.45 | -23.34 |
| 3 | 20525 | 836.5 | 64QAM | 1 | 14 | 21.04 | 17.14 | 14.99 | 38.45 | -23.46 |
| | 20020 | 030.3 | UTUAIN | 8 | 4 | 20.16 | 16.26 | 14.11 | 38.45 | -24.34 |
| | | | | 15 | 0 | 20.18 | 16.28 | 14.13 | 38.45 | -24.32 |
| | | | | 1 | 0 | 21.17 | 17.27 | 15.12 | 38.45 | -23.33 |
| | 20635 | 847.5 | 64QAM | 1 | 14 | 21.11 | 17.21 | 15.06 | 38.45 | -23.39 |
| | 20000 | UT1.U | UTUAIN | 8 | 4 | 20.06 | 16.16 | 14.01 | 38.45 | -24.44 |
| | | | | 15 | 0 | 20.08 | 16.18 | 14.03 | 38.45 | -24.42 |

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Antenna gain (dBi)

| Antenna | gain (dBi) | -3.9 | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|--------------|-------------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 5_Uplir | nk frequ | ency band : 8 | 824 to 849 MH | lz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 23.19 | 19.29 | 17.14 | 38.45 | -21.31 |
| | 20425 | 826.5 | QPSK | 1 | 24 | 23.15 | 19.25 | 17.10 | 38.45 | -21.35 |
| | 20423 | 020.0 | UPSK | 12 | 6 | 22.19 | 18.29 | 16.14 | 38.45 | -22.31 |
| | | | | 25 | 0 | 22.04 | 18.14 | 15.99 | 38.45 | -22.46 |
| | | | | 1 | 0 | 23.14 | 19.24 | 17.09 | 38.45 | -21.36 |
| 5 | 20525 | 836.5 | QPSK | 1 | 24 | 23.12 | 19.22 | 17.07 | 38.45 | -21.38 |
| 3 | 20020 | 630.3 | UPSK | 12 | 6 | 22.03 | 18.13 | 15.98 | 38.45 | -22.47 |
| | | | | 25 | 0 | 22.13 | 18.23 | 16.08 | 38.45 | -22.37 |
| | | | | 1 | 0 | 23.16 | 19.26 | 17.11 | 38.45 | -21.34 |
| | 20425 | 846.5 | QPSK | 1 | 24 | 23.11 | 19.21 | 17.06 | 38.45 | -21.39 |
| | 20625 | 040.3 | UPSK | 12 | 6 | 22.06 | 18.16 | 16.01 | 38.45 | -22.44 |
| | | | | 25 | 0 | 22.18 | 18.28 | 16.13 | 38.45 | -22.32 |
| | | | | 1 | 0 | 22.11 | 18.21 | 16.06 | 38.45 | -22.39 |
| | 20425 826. | 024 E | 16QAM | 1 | 24 | 22.05 | 18.15 | 16.00 | 38.45 | -22.45 |
| | | 820.5 | | 12 | 6 | 21.13 | 17.23 | 15.08 | 38.45 | -23.37 |
| | | | | 25 | 0 | 21.11 | 17.21 | 15.06 | 38.45 | -23.39 |
| | | | .5 16QAM | 1 | 0 | 22.06 | 18.16 | 16.01 | 38.45 | -22.44 |
| 5 | 20525 | 836.5 | | 1 | 24 | 22.05 | 18.15 | 16.00 | 38.45 | -22.45 |
|) | 20020 | 030.3 | TOQAW | 12 | 6 | 21.17 | 17.27 | 15.12 | 38.45 | -23.33 |
| | | | | 25 | 0 | 21.04 | 17.14 | 14.99 | 38.45 | -23.46 |
| | | | | 1 | 0 | 22.04 | 18.14 | 15.99 | 38.45 | -22.46 |
| | 20625 | 846.5 | 16QAM | 1 | 24 | 22.07 | 18.17 | 16.02 | 38.45 | -22.43 |
| | 20023 | 040.5 | TOQAW | 12 | 6 | 21.18 | 17.28 | 15.13 | 38.45 | -23.32 |
| | | | | 25 | 0 | 21.06 | 17.16 | 15.01 | 38.45 | -23.44 |
| | | | | 1 | 0 | 21.20 | 17.30 | 15.15 | 38.45 | -23.30 |
| | 20425 | 826.5 | 64QAM | 1 | 24 | 21.10 | 17.20 | 15.05 | 38.45 | -23.40 |
| | 20423 | 020.5 | 04QAIVI | 12 | 6 | 20.03 | 16.13 | 13.98 | 38.45 | -24.47 |
| | | | | 25 | 0 | 20.12 | 16.22 | 14.07 | 38.45 | -24.38 |
| | | | | 1 | 0 | 21.18 | 17.28 | 15.13 | 38.45 | -23.32 |
| 5 | 20525 | 836.5 | 64QAM | 1 | 24 | 21.12 | 17.22 | 15.07 | 38.45 | -23.38 |
| | 20020 | 030.3 | UTUAIN | 12 | 6 | 20.18 | 16.28 | 14.13 | 38.45 | -24.32 |
| | | | | 25 | 0 | 20.08 | 16.18 | 14.03 | 38.45 | -24.42 |
| | | | | 1 | 0 | 21.12 | 17.22 | 15.07 | 38.45 | -23.38 |
| | 20625 | 846.5 | 64QAM | 1 | 24 | 21.01 | 17.11 | 14.96 | 38.45 | -23.49 |
| | 20020 | 0.040.0 | UTUAIN | 12 | 6 | 20.06 | 16.16 | 14.01 | 38.45 | -24.44 |
| | | | | 25 | 0 | 20.16 | 16.26 | 14.11 | 38.45 | -24.34 |

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| Antenna | gain (dBi) | -3.9 | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|--------------|-------------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 5_Uplii | nk frequ | ency band : 8 | 324 to 849 MF | lz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 23.22 | 19.32 | 17.17 | 38.45 | -21.28 |
| | 20450 | 020 | ODCK | 1 | 49 | 23.21 | 19.31 | 17.16 | 38.45 | -21.29 |
| | 20450 | 829 | QPSK | 25 | 12 | 22.08 | 18.18 | 16.03 | 38.45 | -22.42 |
| | | | | 50 | 0 | 22.10 | 18.20 | 16.05 | 38.45 | -22.40 |
| | | | | 1 | 0 | 23.02 | 19.12 | 16.97 | 38.45 | -21.48 |
| 10 | 20525 | 024 E | QPSK | 1 | 49 | 23.20 | 19.30 | 17.15 | 38.45 | -21.30 |
| 10 | 20525 | 836.5 | QPSK | 25 | 12 | 22.15 | 18.25 | 16.10 | 38.45 | -22.35 |
| | | | | 50 | 0 | 22.10 | 18.20 | 16.05 | 38.45 | -22.40 |
| | | | | 1 | 0 | 22.84 | 18.94 | 16.79 | 38.45 | -21.66 |
| | 20600 | 844 | QPSK | 1 | 49 | 23.20 | 19.30 | 17.15 | 38.45 | -21.30 |
| | 20000 | 044 | QPSK | 25 | 12 | 22.18 | 18.28 | 16.13 | 38.45 | -22.32 |
| | | | | 50 | 0 | 22.14 | 18.24 | 16.09 | 38.45 | -22.36 |
| | | | | 1 | 0 | 22.02 | 18.12 | 15.97 | 38.45 | -22.48 |
| | 20450 | 829 | 16001 | 1 | 49 | 22.02 | 18.12 | 15.97 | 38.45 | -22.48 |
| | 20400 | | 16QAM | 25 | 12 | 21.11 | 17.21 | 15.06 | 38.45 | -23.39 |
| | | | | 50 | 0 | 21.05 | 17.15 | 15.00 | 38.45 | -23.45 |
| | | | | 1 | 0 | 22.15 | 18.25 | 16.10 | 38.45 | -22.35 |
| 10 | 20525 | 836.5 | 16QAM | 1 | 49 | 22.15 | 18.25 | 16.10 | 38.45 | -22.35 |
| 10 | 20020 | 030.3 | TOQAW | 25 | 12 | 21.14 | 17.24 | 15.09 | 38.45 | -23.36 |
| | | | | 50 | 0 | 21.12 | 17.22 | 15.07 | 38.45 | -23.38 |
| | | | | 1 | 0 | 22.14 | 18.24 | 16.09 | 38.45 | -22.36 |
| | 20600 | 844 | 16QAM | 1 | 49 | 22.20 | 18.30 | 16.15 | 38.45 | -22.30 |
| | 20000 | 044 | TOQAW | 25 | 12 | 21.14 | 17.24 | 15.09 | 38.45 | -23.36 |
| | | | | 50 | 0 | 21.13 | 17.23 | 15.08 | 38.45 | -23.37 |
| | | | | 1 | 0 | 21.15 | 17.25 | 15.10 | 38.45 | -23.35 |
| | 20450 | 829 | 64QAM | 1 | 49 | 21.03 | 17.13 | 14.98 | 38.45 | -23.47 |
| | 20430 | 029 | 04QAIVI | 25 | 12 | 20.19 | 16.29 | 14.14 | 38.45 | -24.31 |
| | | | | 50 | 0 | 20.15 | 16.25 | 14.10 | 38.45 | -24.35 |
| | | | | 1 | 0 | 21.15 | 17.25 | 15.10 | 38.45 | -23.35 |
| 10 | 20525 | 836.5 | 64QAM | 1 | 49 | 21.19 | 17.29 | 15.14 | 38.45 | -23.31 |
| 10 | 20020 | 030.3 | U+QAIVI | 25 | 12 | 20.21 | 16.31 | 14.16 | 38.45 | -24.29 |
| | | | | 50 | 0 | 20.11 | 16.21 | 14.06 | 38.45 | -24.39 |
| | | | | 1 | 0 | 21.11 | 17.21 | 15.06 | 38.45 | -23.39 |
| | 20600 | 844 | 64QAM | 1 | 49 | 21.14 | 17.24 | 15.09 | 38.45 | -23.36 |
| | 20000 | 044 | U+QAIVI | 25 | 12 | 20.13 | 16.23 | 14.08 | 38.45 | -24.37 |
| | | | | 50 | 0 | 20.08 | 16.18 | 14.03 | 38.45 | -24.42 |

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Antenna gain (dBi) -3.8

| | gair (dbi) | -5.0 | | | | | | | |
|-------------|------------------------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 7_Uplin | k frequ | ency ba | ind: 2500 to 2 | 2570 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.15 | 18.35 | 33 | -14.65 |
| | 20775 | 2502.5 | QPSK | 1 | 24 | 22.11 | 18.31 | 33 | -14.69 |
| | 20773 | 2302.3 | UPSK | 12 | 6 | 21.10 | 17.30 | 33 | -15.7 |
| | | | | 25 | 0 | 21.10 | 17.30 | 33 | -15.7 |
| | | | | 1 | 0 | 22.02 | 18.22 | 33 | -14.78 |
| 5 | 21100 | 2535 | QPSK | 1 | 24 | 22.10 | 18.30 | 33 | -14.7 |
| 5 | 21100 | 2555 | QF 3N | 12 | 6 | 21.09 | 17.29 | 33 | -15.71 |
| | | | | 25 | 0 | 21.15 | 17.35 | 33 | -15.65 |
| | | | | 1 | 0 | 22.03 | 18.23 | 33 | -14.77 |
| | 21425 | 2567.5 | QPSK | 1 | 24 | 22.09 | 18.29 | 33 | -14.71 |
| | 21423 | 2501.5 | QF 3N | 12 | 6 | 21.06 | 17.26 | 33 | -15.74 |
| | | | | 25 | 0 | 21.13 | 17.33 | 33 | -15.67 |
| | | | | 1 | 0 | 21.17 | 17.37 | 33 | -15.63 |
| | 20775 | 2502.5 | 16QAM | 1 | 24 | 21.02 | 17.22 | 33 | -15.78 |
| | 20775 | | | 12 | 6 | 20.10 | 16.30 | 33 | -16.7 |
| | | | | 25 | 0 | 20.06 | 16.26 | 33 | -16.74 |
| | | | | 1 | 0 | 21.16 | 17.36 | 33 | -15.64 |
| 5 | 21100 | 2535 | 16QAM | 1 | 24 | 21.02 | 17.22 | 33 | -15.78 |
| J | 21100 | 2333 | TOQAIVI | 12 | 6 | 20.11 | 16.31 | 33 | -16.69 |
| | | | | 25 | 0 | 20.08 | 16.28 | 33 | -16.72 |
| | | | | 1 | 0 | 21.18 | 17.38 | 33 | -15.62 |
| | 21425 | 2567.5 | 16QAM | 1 | 24 | 21.05 | 17.25 | 33 | -15.75 |
| | 21423 | 2507.5 | TOQAW | 12 | 6 | 20.08 | 16.28 | 33 | -16.72 |
| | | | | 25 | 0 | 20.09 | 16.29 | 33 | -16.71 |
| | | | | 1 | 0 | 20.17 | 16.37 | 33 | -16.63 |
| | 20775 | 2502.5 | 64QAM | 1 | 24 | 20.09 | 16.29 | 33 | -16.71 |
| | 20113 | 2302.3 | U4QAIVI | 12 | 6 | 19.02 | 15.22 | 33 | -17.78 |
| | | | | 25 | 0 | 19.18 | 15.38 | 33 | -17.62 |
| | | | | 1 | 0 | 20.20 | 16.40 | 33 | -16.6 |
| 5 | 5 21100 2535 21425 2567.5 | 64QAM | 1 | 24 | 20.04 | 16.24 | 33 | -16.76 | |
| J | | 2000 | U4QAIVI | 12 | 6 | 19.10 | 15.30 | 33 | -17.7 |
| | | | 25 | 0 | 19.04 | 15.24 | 33 | -17.76 | |
| | | | 1 | 0 | 20.14 | 16.34 | 33 | -16.66 | |
| | | 64QAM | 1 | 24 | 20.20 | 16.40 | 33 | -16.6 | |
| | | UTQAIVI | 12 | 6 | 19.09 | 15.29 | 33 | -17.71 | |
| | | | | 25 | 0 | 19.01 | 15.21 | 33 | -17.79 |

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Antenna gain (dBi) -3.8

| | | | D 17 | | | I oraș | NETO 14: : | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 7_Uplin | ık frequ | ency ba | ind: 2500 to 2 | 2570 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.12 | 18.32 | 33 | -14.68 |
| | 20800 | 2505 | QPSK | 1 | 49 | 22.09 | 18.29 | 33 | -14.71 |
| | 20000 | 2505 | QF 3K | 25 | 12 | 21.15 | 17.35 | 33 | -15.65 |
| | | | | 50 | 0 | 21.12 | 17.32 | 33 | -15.68 |
| | | | | 1 | 0 | 22.19 | 18.39 | 33 | -14.61 |
| 10 | 21100 | 2535 | QPSK | 1 | 49 | 22.06 | 18.26 | 33 | -14.74 |
| 10 | 21100 | 2333 | QI JIX | 25 | 12 | 21.13 | 17.33 | 33 | -15.67 |
| | | | | 50 | 0 | 21.18 | 17.38 | 33 | -15.62 |
| | | | | 1 | 0 | 22.01 | 18.21 | 33 | -14.79 |
| | 21400 | 2565 | QPSK | 1 | 49 | 22.18 | 18.38 | 33 | -14.62 |
| | 21400 | 2303 | QI JIX | 25 | 12 | 21.11 | 17.31 | 33 | -15.69 |
| | | | | 50 | 0 | 21.04 | 17.24 | 33 | -15.76 |
| | | | | 1 | 0 | 21.19 | 17.39 | 33 | -15.61 |
| | 20800 2505 | 16QAM | 1 | 49 | 21.01 | 17.21 | 33 | -15.79 | |
| | | 2303 | TOQAW | 25 | 12 | 20.01 | 16.21 | 33 | -16.79 |
| | | | | 50 | 0 | 20.08 | 16.28 | 33 | -16.72 |
| | | | 16QAM | 1 | 0 | 21.08 | 17.28 | 33 | -15.72 |
| 10 | 21100 | 2535 | | 1 | 49 | 21.21 | 17.41 | 33 | -15.59 |
| 10 | 21100 | 2000 | 100/1111 | 25 | 12 | 20.10 | 16.30 | 33 | -16.7 |
| | | | | 50 | 0 | 20.20 | 16.40 | 33 | -16.6 |
| | | | | 1 | 0 | 21.19 | 17.39 | 33 | -15.61 |
| | 21400 | 2565 | 16QAM | 1 | 49 | 21.08 | 17.28 | 33 | -15.72 |
| | 21400 | 2505 | 100/1111 | 25 | 12 | 20.19 | 16.39 | 33 | -16.61 |
| | | | | 50 | 0 | 20.09 | 16.29 | 33 | -16.71 |
| | | | | 1 | 0 | 20.21 | 16.41 | 33 | -16.59 |
| | 20800 | 2505 | 64QAM | 1 | 49 | 20.17 | 16.37 | 33 | -16.63 |
| | 20000 | 2000 | 012/11/1 | 25 | 12 | 19.07 | 15.27 | 33 | -17.73 |
| | | | | 50 | 0 | 19.01 | 15.21 | 33 | -17.79 |
| | | | | 1 | 0 | 20.20 | 16.40 | 33 | -16.6 |
| 10 | 10 21100 | 2535 | 64QAM | 1 | 49 | 20.06 | 16.26 | 33 | -16.74 |
| .0 | | 2500 | 012/11/1 | 25 | 12 | 19.10 | 15.30 | 33 | -17.7 |
| | | | | 50 | 0 | 19.03 | 15.23 | 33 | -17.77 |
| | | | | 1 | 0 | 20.16 | 16.36 | 33 | -16.64 |
| | 21400 | 2565 | 64QAM | 1 | 49 | 20.12 | 16.32 | 33 | -16.68 |
| | 21400 2565 | | J. 27 1111 | 25 | 12 | 19.14 | 15.34 | 33 | -17.66 |
| | | | | 50 | 0 | 19.12 | 15.32 | 33 | -17.68 |

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Antenna gain (dBi) -3.8

| 7 tritorina | J · (·) | -5.0 | | | | | | | |
|-------------|-------------------------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 7_Uplin | k frequ | ency ba | nd : 2500 to 2 | 2570 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.10 | 18.30 | 33 | -14.7 |
| | 20825 | 2507.5 | QPSK | 1 | 74 | 22.18 | 18.38 | 33 | -14.62 |
| | 20023 | 2307.3 | UPSK | 36 | 18 | 21.19 | 17.39 | 33 | -15.61 |
| | | | | 75 | 0 | 21.13 | 17.33 | 33 | -15.67 |
| | | | | 1 | 0 | 22.18 | 18.38 | 33 | -14.62 |
| 15 | 21100 | 2535 | QPSK | 1 | 74 | 22.14 | 18.34 | 33 | -14.66 |
| 10 | 21100 | 2555 | QF3K | 36 | 18 | 21.13 | 17.33 | 33 | -15.67 |
| | | | | 75 | 0 | 21.10 | 17.30 | 33 | -15.7 |
| | | | | 1 | 0 | 22.06 | 18.26 | 33 | -14.74 |
| | 21375 | 2562.5 | QPSK | 1 | 74 | 22.18 | 18.38 | 33 | -14.62 |
| | 21373 | | QI JIK | 36 | 18 | 21.20 | 17.40 | 33 | -15.6 |
| | | | | 75 | 0 | 21.07 | 17.27 | 33 | -15.73 |
| | | | | 1 | 0 | 21.08 | 17.28 | 33 | -15.72 |
| | 20825 | 2507.5 | 16QAM | 1 | 74 | 21.13 | 17.33 | 33 | -15.67 |
| | 20825 | 2307.3 | TOWARI | 36 | 18 | 20.16 | 16.36 | 33 | -16.64 |
| | | | | 75 | 0 | 20.17 | 16.37 | 33 | -16.63 |
| | | | 16QAM | 1 | 0 | 21.17 | 17.37 | 33 | -15.63 |
| 15 | 21100 | 2535 | | 1 | 74 | 21.14 | 17.34 | 33 | -15.66 |
| 10 | 21100 | 2000 | 10071111 | 36 | 18 | 20.21 | 16.41 | 33 | -16.59 |
| | | | | 75 | 0 | 20.16 | 16.36 | 33 | -16.64 |
| | | | | 1 | 0 | 21.06 | 17.26 | 33 | -15.74 |
| | 21375 | 2562.5 | 16QAM | 1 | 74 | 21.19 | 17.39 | 33 | -15.61 |
| | 21070 | 2002.0 | 10071111 | 36 | 18 | 20.13 | 16.33 | 33 | -16.67 |
| | | | | 75 | 0 | 20.17 | 16.37 | 33 | -16.63 |
| | | | | 1 | 0 | 20.15 | 16.35 | 33 | -16.65 |
| | 20825 | 2507.5 | 64QAM | 1 | 74 | 20.20 | 16.40 | 33 | -16.6 |
| | ===== | 200710 | 3.27.1111 | 36 | 18 | 19.10 | 15.30 | 33 | -17.7 |
| | | | | 75 | 0 | 19.17 | 15.37 | 33 | -17.63 |
| | | | | 1 | 0 | 20.02 | 16.22 | 33 | -16.78 |
| 15 | 15 21100 2535 21375 2562.5 | 2535 | 64QAM | 1 | 74 | 20.20 | 16.40 | 33 | -16.6 |
| | | | 3.27.1111 | 36 | 18 | 19.06 | 15.26 | 33 | -17.74 |
| | | | | 75 | 0 | 19.11 | 15.31 | 33 | -17.69 |
| | | | | 1 | 0 | 20.07 | 16.27 | 33 | -16.73 |
| | | 64QAM | 1 | 74 | 20.11 | 16.31 | 33 | -16.69 | |
| | | | | 36 | 18 | 19.06 | 15.26 | 33 | -17.74 |
| | | | | 75 | 0 | 19.06 | 15.26 | 33 | -17.74 |

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Antenna gain (dBi)

| Antenna | yairi (ubi) | -3.8 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------------|--------------------------|------------------------|----------------|
| | | LTE | Band 7_Uplin | k frequ | ency ba | nd: 2500 to 2 | 2570 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.25 | 18.45 | 33 | -14.55 |
| | 20850 | 2510 | QPSK | 1 | 99 | 22.10 | 18.30 | 33 | -14.7 |
| | 20000 | 2310 | UPSK | 50 | 25 | 21.03 | 17.23 | 33 | -15.77 |
| | | | | 100 | 0 | 21.17 | 17.37 | 33 | -15.63 |
| | | | | 1 | 0 | 21.79 | 17.99 | 33 | -15.01 |
| 20 | 21100 | 2535 | QPSK | 1 | 99 | 22.21 | 18.41 | 33 | -14.59 |
| 20 | 21100 | 2333 | QI 3K | 50 | 25 | 21.10 | 17.30 | 33 | -15.7 |
| | | | | 100 | 0 | 21.13 | 17.33 | 33 | -15.67 |
| | | | | 1 | 0 | 21.83 | 18.03 | 33 | -14.97 |
| | 21350 | 2560 | QPSK | 1 | 99 | 22.03 | 18.23 | 33 | -14.77 |
| | 21330 | 2300 | QI JIK | 50 | 25 | 21.06 | 17.26 | 33 | -15.74 |
| | | | | 100 | 0 | 21.02 | 17.22 | 33 | -15.78 |
| | | | | 1 | 0 | 21.06 | 17.26 | 33 | -15.74 |
| | 20850 | 2510 | QPSK | 1 | 99 | 21.11 | 17.31 | 33 | -15.69 |
| | 20030 | 2310 | QI 3K | 50 | 25 | 20.19 | 16.39 | 33 | -16.61 |
| | | | | 100 | 0 | 20.08 | 16.28 | 33 | -16.72 |
| | | | | 1 | 0 | 21.12 | 17.32 | 33 | -15.68 |
| 20 | 21100 | 2535 | QPSK | 1 | 99 | 21.06 | 17.26 | 33 | -15.74 |
| 20 | 21100 | 2000 | QI OIX | 50 | 25 | 20.06 | 16.26 | 33 | -16.74 |
| | | | | 100 | 0 | 20.17 | 16.37 | 33 | -16.63 |
| | | | | 1 | 0 | 21.04 | 17.24 | 33 | -15.76 |
| | 21350 | 2560 | QPSK | 1 | 99 | 21.11 | 17.31 | 33 | -15.69 |
| | 21000 | 2000 | QI OIX | 50 | 25 | 20.08 | 16.28 | 33 | -16.72 |
| | | | | 100 | 0 | 20.02 | 16.22 | 33 | -16.78 |
| | | | | 1 | 0 | 20.08 | 16.28 | 33 | -16.72 |
| | 20850 | 2510 | QPSK | 1 | 99 | 20.02 | 16.22 | 33 | -16.78 |
| | | | | 50 | 25 | 19.17 | 15.37 | 33 | -17.63 |
| | | | | 100 | 0 | 19.05 | 15.25 | 33 | -17.75 |
| | | | | 1 | 0 | 20.02 | 16.22 | 33 | -16.78 |
| 20 | 21100 | 2535 | QPSK | 1 | 99 | 20.20 | 16.40 | 33 | -16.6 |
| - | | | | 50 | 25 | 19.19 | 15.39 | 33 | -17.61 |
| | | | | 100 | 0 | 19.16 | 15.36 | 33 | -17.64 |
| | | | | 1 | 0 | 20.11 | 16.31 | 33 | -16.69 |
| | 21350 | 2560 | 560 QPSK - | 1 | 99 | 20.14 | 16.34 | 33 | -16.66 |
| | | | | 50 | 25 | 19.07 | 15.27 | 33 | -17.73 |
| Ĺ | | | | 100 | 0 | 19.03 | 15.23 | 33 | -17.77 |

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Antenna gain (dBi)

| 7 ti ite i i i a | gain (ubi) | -4.2 | | | | | | | | |
|------------------|---------------|--------------------|------------|------------|--------------|-------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 12_Upli | nk frequ | uency band : | | | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.66 | 18.46 | 16.31 | 34.77 | -18.46 |
| | 22017 | /00.7 | ODCK | 1 | 5 | 22.71 | 18.51 | 16.36 | 34.77 | -18.41 |
| | 23017 | 699.7 | QPSK | 3 | 2 | 22.70 | 18.50 | 16.35 | 34.77 | -18.42 |
| | | | | 6 | 0 | 21.56 | 17.36 | 15.21 | 34.77 | -19.56 |
| | | | | 1 | 0 | 22.64 | 18.44 | 16.29 | 34.77 | -18.48 |
| 1 / | 2200E | 707.5 | QPSK | 1 | 5 | 22.61 | 18.41 | 16.26 | 34.77 | -18.51 |
| 1.4 | 23095 | 707.5 | QP3K | 3 | 2 | 22.55 | 18.35 | 16.20 | 34.77 | -18.57 |
| | | | | 6 | 0 | 21.61 | 17.41 | 15.26 | 34.77 | -19.51 |
| | | | | 1 | 0 | 22.57 | 18.37 | 16.22 | 34.77 | -18.55 |
| | 23173 | 715.3 | QPSK | 1 | 5 | 22.66 | 18.46 | 16.31 | 34.77 | -18.46 |
| | 231/3 | / 10.3 | QP3K | 3 | 2 | 22.66 | 18.46 | 16.31 | 34.77 | -18.46 |
| | | | | 6 | 0 | 21.55 | 17.35 | 15.20 | 34.77 | -19.57 |
| | | | | 1 | 0 | 21.62 | 17.42 | 15.27 | 34.77 | -19.50 |
| | 23017 | 699.7 | 140011 | 1 | 5 | 21.56 | 17.36 | 15.21 | 34.77 | -19.56 |
| | | 099.7 | 16QAM | 3 | 2 | 21.69 | 17.49 | 15.34 | 34.77 | -19.43 |
| | | | | 6 | 0 | 20.57 | 16.37 | 14.22 | 34.77 | -20.55 |
| | | 5 707.5 | 16QAM | 1 | 0 | 21.61 | 17.41 | 15.26 | 34.77 | -19.51 |
| 1.4 | 23095 | | | 1 | 5 | 21.65 | 17.45 | 15.30 | 34.77 | -19.47 |
| 1.4 | 23093 | 707.5 | TOQAW | 3 | 2 | 21.64 | 17.44 | 15.29 | 34.77 | -19.48 |
| | | | | 6 | 0 | 20.65 | 16.45 | 14.30 | 34.77 | -20.47 |
| | | | | 1 | 0 | 21.68 | 17.48 | 15.33 | 34.77 | -19.44 |
| | 23173 | 715.3 | 16QAM | 1 | 5 | 21.61 | 17.41 | 15.26 | 34.77 | -19.51 |
| | 23173 | 713.3 | TOQAIVI | 3 | 2 | 21.67 | 17.47 | 15.32 | 34.77 | -19.45 |
| | | | | 6 | 0 | 20.57 | 16.37 | 14.22 | 34.77 | -20.55 |
| | | | | 1 | 0 | 20.59 | 16.39 | 14.24 | 34.77 | -20.53 |
| | 23017 | 699.7 | 64QAM | 1 | 5 | 20.56 | 16.36 | 14.21 | 34.77 | -20.56 |
| | 23017 | 077.1 | UTUAIN | 3 | 2 | 20.69 | 16.49 | 14.34 | 34.77 | -20.43 |
| | | | | 6 | 0 | 19.70 | 15.50 | 13.35 | 34.77 | -21.42 |
| | | | | 1 | 0 | 20.56 | 16.36 | 14.21 | 34.77 | -20.56 |
| 1.4 | 23095 | 707.5 | 64QAM | 1 | 5 | 20.72 | 16.52 | 14.37 | 34.77 | -20.40 |
| 1.7 | 20070 | 707.5 | UTQAIVI | 3 | 2 | 20.69 | 16.49 | 14.34 | 34.77 | -20.43 |
| | | | | 6 | 0 | 19.59 | 15.39 | 13.24 | 34.77 | -21.53 |
| | | | | 1 | 0 | 20.60 | 16.40 | 14.25 | 34.77 | -20.52 |
| | 23173 | 715.3 | 64QAM | 1 | 5 | 20.74 | 16.54 | 14.39 | 34.77 | -20.38 |
| | 20170 | 7 10.0 | UTQAIVI | 3 | 2 | 20.71 | 16.51 | 14.36 | 34.77 | -20.41 |
| | | | | 6 | 0 | 19.59 | 15.39 | 13.24 | 34.77 | -21.53 |

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| Antenna | gain (dBi) | -4.2 | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|--------------|-------------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 12_Upli | nk frequ | uency band : | 699 to 716 MI | -lz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.69 | 18.49 | 16.34 | 34.77 | -18.43 |
| | 23025 | 700 E | QPSK | 1 | 14 | 22.75 | 18.55 | 16.40 | 34.77 | -18.37 |
| | 23023 | 700.5 | QPSK | 8 | 4 | 21.73 | 17.53 | 15.38 | 34.77 | -19.39 |
| | | | | 15 | 0 | 21.57 | 17.37 | 15.22 | 34.77 | -19.55 |
| | | | | 1 | 0 | 22.73 | 18.53 | 16.38 | 34.77 | -18.39 |
| 3 | 23095 | 707.5 | QPSK | 1 | 14 | 22.75 | 18.55 | 16.40 | 34.77 | -18.37 |
| J | 23093 | 707.5 | QF3K | 8 | 4 | 21.72 | 17.52 | 15.37 | 34.77 | -19.40 |
| | | | 15 | 0 | 21.63 | 17.43 | 15.28 | 34.77 | -19.49 | |
| | | | | 1 | 0 | 22.72 | 18.52 | 16.37 | 34.77 | -18.40 |
| | 23165 | 714.5 | QPSK | 1 | 14 | 22.71 | 18.51 | 16.36 | 34.77 | -18.41 |
| | 23103 | 7 14.5 | QF3K | 8 | 4 | 21.70 | 17.50 | 15.35 | 34.77 | -19.42 |
| | | | | 15 | 0 | 21.71 | 17.51 | 15.36 | 34.77 | -19.41 |
| | | | | 1 | 0 | 21.56 | 17.36 | 15.21 | 34.77 | -19.56 |
| | 23025 | 700.5 | 16QAM | 1 | 14 | 21.60 | 17.40 | 15.25 | 34.77 | -19.52 |
| | 23023 | | | 8 | 4 | 20.58 | 16.38 | 14.23 | 34.77 | -20.54 |
| | | | | 15 | 0 | 20.67 | 16.47 | 14.32 | 34.77 | -20.45 |
| | | | | 1 | 0 | 21.72 | 17.52 | 15.37 | 34.77 | -19.40 |
| 3 | 23095 | 707.5 | 16QAM | 1 | 14 | 21.69 | 17.49 | 15.34 | 34.77 | -19.43 |
| 3 | 23073 | 707.3 | TOCANI | 8 | 4 | 20.69 | 16.49 | 14.34 | 34.77 | -20.43 |
| | | | | 15 | 0 | 20.74 | 16.54 | 14.39 | 34.77 | -20.38 |
| | | | | 1 | 0 | 21.59 | 17.39 | 15.24 | 34.77 | -19.53 |
| | 23165 | 714.5 | 16QAM | 1 | 14 | 21.70 | 17.50 | 15.35 | 34.77 | -19.42 |
| | 23103 | 714.5 | TOCANI | 8 | 4 | 20.64 | 16.44 | 14.29 | 34.77 | -20.48 |
| | | | | 15 | 0 | 20.74 | 16.54 | 14.39 | 34.77 | -20.38 |
| | | | | 1 | 0 | 20.57 | 16.37 | 14.22 | 34.77 | -20.55 |
| | 23025 | 700.5 | 64QAM | 1 | 14 | 20.61 | 16.41 | 14.26 | 34.77 | -20.51 |
| | 23023 | 700.5 | 04QAIVI | 8 | 4 | 19.74 | 15.54 | 13.39 | 34.77 | -21.38 |
| | | | | 15 | 0 | 19.72 | 15.52 | 13.37 | 34.77 | -21.40 |
| | | | | 1 | 0 | 20.59 | 16.39 | 14.24 | 34.77 | -20.53 |
| 3 | 23095 | 707.5 | 64QAM | 1 | 14 | 20.61 | 16.41 | 14.26 | 34.77 | -20.51 |
| | 23073 | 707.3 | UTQAW | 8 | 4 | 19.57 | 15.37 | 13.22 | 34.77 | -21.55 |
| | | | | 15 | 0 | 19.58 | 15.38 | 13.23 | 34.77 | -21.54 |
| | | | | 1 | 0 | 20.58 | 16.38 | 14.23 | 34.77 | -20.54 |
| | 23165 | 714.5 | 64QAM | 1 | 14 | 20.69 | 16.49 | 14.34 | 34.77 | -20.43 |
| | 23103 | 714.0 | UTUAIN | 8 | 4 | 19.62 | 15.42 | 13.27 | 34.77 | -21.50 |
| | | | | 15 | 0 | 19.59 | 15.39 | 13.24 | 34.77 | -21.53 |

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Antenna gain (dBi)

| Antenna | gain (ubi) | -4.2 | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|--------------|-------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 12_Upli | nk frequ | uency band : | 699 to 716 MI | | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.56 | 18.36 | 16.21 | 34.77 | -18.56 |
| | 22025 | 701 F | ODCK | 1 | 24 | 22.74 | 18.54 | 16.39 | 34.77 | -18.38 |
| | 23035 | 701.5 | QPSK | 12 | 6 | 21.71 | 17.51 | 15.36 | 34.77 | -19.41 |
| | | | | 25 | 0 | 21.59 | 17.39 | 15.24 | 34.77 | -19.53 |
| | | | | 1 | 0 | 22.64 | 18.44 | 16.29 | 34.77 | -18.48 |
| 5 | 23095 | 707.5 | QPSK | 1 | 24 | 22.65 | 18.45 | 16.30 | 34.77 | -18.47 |
| 3 | 23093 | 707.5 | UPSK | 12 | 6 | 21.68 | 17.48 | 15.33 | 34.77 | -19.44 |
| | | | | 25 | 0 | 21.75 | 17.55 | 15.40 | 34.77 | -19.37 |
| | | | | 1 | 0 | 22.67 | 18.47 | 16.32 | 34.77 | -18.45 |
| | 23155 | 713.5 | QPSK | 1 | 24 | 22.58 | 18.38 | 16.23 | 34.77 | -18.54 |
| | 23100 | 713.3 | UPSK | 12 | 6 | 21.73 | 17.53 | 15.38 | 34.77 | -19.39 |
| | | | | 25 | 0 | 21.68 | 17.48 | 15.33 | 34.77 | -19.44 |
| | | | | 1 | 0 | 21.56 | 17.36 | 15.21 | 34.77 | -19.56 |
| | 23035 70 | 701 5 | 16QAM | 1 | 24 | 21.58 | 17.38 | 15.23 | 34.77 | -19.54 |
| | | 701.5 | | 12 | 6 | 20.69 | 16.49 | 14.34 | 34.77 | -20.43 |
| | | | | 25 | 0 | 20.68 | 16.48 | 14.33 | 34.77 | -20.44 |
| | | | | 1 | 0 | 21.56 | 17.36 | 15.21 | 34.77 | -19.56 |
| 5 | 23095 | 707.5 | 16QAM | 1 | 24 | 21.74 | 17.54 | 15.39 | 34.77 | -19.38 |
| | 23073 | 707.5 | TOQAIVI | 12 | 6 | 20.57 | 16.37 | 14.22 | 34.77 | -20.55 |
| | | | | 25 | 0 | 20.56 | 16.36 | 14.21 | 34.77 | -20.56 |
| | | | | 1 | 0 | 21.63 | 17.43 | 15.28 | 34.77 | -19.49 |
| | 23155 | 713.5 | 16QAM | 1 | 24 | 21.63 | 17.43 | 15.28 | 34.77 | -19.49 |
| | 23133 | 713.3 | TOCANI | 12 | 6 | 20.68 | 16.48 | 14.33 | 34.77 | -20.44 |
| | | | | 25 | 0 | 20.62 | 16.42 | 14.27 | 34.77 | -20.50 |
| | | | | 1 | 0 | 20.60 | 16.40 | 14.25 | 34.77 | -20.52 |
| | 23035 | 701.5 | 64QAM | 1 | 24 | 20.69 | 16.49 | 14.34 | 34.77 | -20.43 |
| | 23033 | 701.5 | U4QAIVI | 12 | 6 | 19.61 | 15.41 | 13.26 | 34.77 | -21.51 |
| | | | | 25 | 0 | 19.63 | 15.43 | 13.28 | 34.77 | -21.49 |
| | | | | 1 | 0 | 20.73 | 16.53 | 14.38 | 34.77 | -20.39 |
| 5 | 23095 | 707.5 | 64QAM | 1 | 24 | 20.57 | 16.37 | 14.22 | 34.77 | -20.55 |
| | 23073 | 101.3 | UTUAIN | 12 | 6 | 19.70 | 15.50 | 13.35 | 34.77 | -21.42 |
| | | | | 25 | 0 | 19.60 | 15.40 | 13.25 | 34.77 | -21.52 |
| | | | | 1 | 0 | 20.62 | 16.42 | 14.27 | 34.77 | -20.50 |
| | 23155 | 713.5 | 64QAM | 1 | 24 | 20.75 | 16.55 | 14.40 | 34.77 | -20.37 |
| | 20100 | 7 13.3 | UTQAIVI | 12 | 6 | 19.61 | 15.41 | 13.26 | 34.77 | -21.51 |
| | | | 25 | 0 | 19.66 | 15.46 | 13.31 | 34.77 | -21.46 | |

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| Antenna | gain (dBi) | -4.2 | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|--------------|-------------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 12_Upli | nk frequ | uency band : | 699 to 716 MI | -lz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.70 | 18.50 | 16.35 | 34.77 | -18.42 |
| | 220/0 | 704 | ODCK | 1 | 49 | 22.72 | 18.52 | 16.37 | 34.77 | -18.40 |
| | 23060 | 704 | QPSK | 25 | 12 | 21.70 | 17.50 | 15.35 | 34.77 | -19.42 |
| | | | | 50 | 0 | 21.59 | 17.39 | 15.24 | 34.77 | -19.53 |
| | | | | 1 | 0 | 22.76 | 18.56 | 16.41 | 34.77 | -18.36 |
| 10 | 23095 | 707.5 | QPSK | 1 | 49 | 22.57 | 18.37 | 16.22 | 34.77 | -18.55 |
| 10 | 23093 | 707.5 | QF3K | 25 | 12 | 21.60 | 17.40 | 15.25 | 34.77 | -19.52 |
| | | | | 50 | 0 | 21.61 | 17.41 | 15.26 | 34.77 | -19.51 |
| | | | | 1 | 0 | 22.74 | 18.54 | 16.39 | 34.77 | -18.38 |
| | 23130 | 711 | QPSK | 1 | 49 | 22.67 | 18.47 | 16.32 | 34.77 | -18.45 |
| | 23130 | /11 | QF3K | 25 | 12 | 21.68 | 17.48 | 15.33 | 34.77 | -19.44 |
| | | | | 50 | 0 | 21.65 | 17.45 | 15.30 | 34.77 | -19.47 |
| | | | | 1 | 0 | 21.56 | 17.36 | 15.21 | 34.77 | -19.56 |
| | 23060 | 704 | 16QAM | 1 | 49 | 21.72 | 17.52 | 15.37 | 34.77 | -19.40 |
| | 23000 | 704 | TOQAW | 25 | 12 | 20.67 | 16.47 | 14.32 | 34.77 | -20.45 |
| | | | | 50 | 0 | 20.64 | 16.44 | 14.29 | 34.77 | -20.48 |
| | | | | 1 | 0 | 21.68 | 17.48 | 15.33 | 34.77 | -19.44 |
| 10 | 23095 | 707.5 | 16QAM | 1 | 49 | 21.74 | 17.54 | 15.39 | 34.77 | -19.38 |
| 10 | 23073 | 707.5 | TOQAW | 25 | 12 | 20.73 | 16.53 | 14.38 | 34.77 | -20.39 |
| | | | | 50 | 0 | 20.74 | 16.54 | 14.39 | 34.77 | -20.38 |
| | | | | 1 | 0 | 21.68 | 17.48 | 15.33 | 34.77 | -19.44 |
| | 23130 | 711 | 16QAM | 1 | 49 | 21.56 | 17.36 | 15.21 | 34.77 | -19.56 |
| | 23130 | / / / / | TOQAW | 25 | 12 | 20.65 | 16.45 | 14.30 | 34.77 | -20.47 |
| | | | | 50 | 0 | 20.71 | 16.51 | 14.36 | 34.77 | -20.41 |
| | | | | 1 | 0 | 20.64 | 16.44 | 14.29 | 34.77 | -20.48 |
| | 23060 | 704 | 64QAM | 1 | 49 | 20.67 | 16.47 | 14.32 | 34.77 | -20.45 |
| | 23000 | 704 | 010/11/1 | 25 | 12 | 19.67 | 15.47 | 13.32 | 34.77 | -21.45 |
| | | | | 50 | 0 | 19.62 | 15.42 | 13.27 | 34.77 | -21.50 |
| | | | | 1 | 0 | 20.71 | 16.51 | 14.36 | 34.77 | -20.41 |
| 10 | 23095 | 707.5 | 64QAM | 1 | 49 | 20.60 | 16.40 | 14.25 | 34.77 | -20.52 |
| | 20070 | , 57.0 | 012/11/1 | 25 | 12 | 19.56 | 15.36 | 13.21 | 34.77 | -21.56 |
| | | | | 50 | 0 | 19.69 | 15.49 | 13.34 | 34.77 | -21.43 |
| | | | | 1 | 0 | 20.56 | 16.36 | 14.21 | 34.77 | -20.56 |
| | 23130 | 711 | 64QAM | 1 | 49 | 20.63 | 16.43 | 14.28 | 34.77 | -20.49 |
| | 20100 | | 012/11/1 | 25 | 12 | 19.56 | 15.36 | 13.21 | 34.77 | -21.56 |
| | | | | 50 | 0 | 19.66 | 15.46 | 13.31 | 34.77 | -21.46 |

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Antenna gain (dBi) -2.5

| Antenna | gain (ubi) | -2.5 | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|--------------|-------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 13_Upli | nk frequ | | 777 to 787 MI | | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.76 | 20.26 | 18.11 | 34.77 | -16.66 |
| | 22205 | 779.5 | ODCK | 1 | 24 | 22.90 | 20.40 | 18.25 | 34.77 | -16.52 |
| | 23205 | 119.5 | QPSK | 12 | 6 | 21.74 | 19.24 | 17.09 | 34.77 | -17.68 |
| | | | | 25 | 0 | 21.84 | 19.34 | 17.19 | 34.77 | -17.58 |
| | | | | 1 | 0 | 22.83 | 20.33 | 18.18 | 34.77 | -16.59 |
| 5 | 23230 | 782 | QPSK | 1 | 24 | 22.74 | 20.24 | 18.09 | 34.77 | -16.68 |
|) | 23230 | 102 | UPSK | 12 | 6 | 21.84 | 19.34 | 17.19 | 34.77 | -17.58 |
| | | | | 25 | 0 | 21.87 | 19.37 | 17.22 | 34.77 | -17.55 |
| | | | | 1 | 0 | 22.74 | 20.24 | 18.09 | 34.77 | -16.68 |
| | 23255 | 784.5 | QPSK | 1 | 24 | 22.78 | 20.28 | 18.13 | 34.77 | -16.64 |
| | 23233 | 704.3 | UPSK | 12 | 6 | 21.82 | 19.32 | 17.17 | 34.77 | -17.60 |
| | | | | 25 | 0 | 21.84 | 19.34 | 17.19 | 34.77 | -17.58 |
| | | | | 1 | 0 | 21.73 | 19.23 | 17.08 | 34.77 | -17.69 |
| | 23205 | 779.5 | 16QAM | 1 | 24 | 21.79 | 19.29 | 17.14 | 34.77 | -17.63 |
| | 23203 | 119.5 | TOQAW | 12 | 6 | 20.74 | 18.24 | 16.09 | 34.77 | -18.68 |
| | | | | 25 | 0 | 20.75 | 18.25 | 16.10 | 34.77 | -18.67 |
| | | | | 1 | 0 | 21.90 | 19.40 | 17.25 | 34.77 | -17.52 |
| 5 | 23230 | 782 | 16QAM | 1 | 24 | 21.88 | 19.38 | 17.23 | 34.77 | -17.54 |
| | 23230 | 702 | TOCANI | 12 | 6 | 20.86 | 18.36 | 16.21 | 34.77 | -18.56 |
| | | | | 25 | 0 | 20.88 | 18.38 | 16.23 | 34.77 | -18.54 |
| | | | | 1 | 0 | 21.72 | 19.22 | 17.07 | 34.77 | -17.70 |
| | 23255 | 784.5 | 16QAM | 1 | 24 | 21.86 | 19.36 | 17.21 | 34.77 | -17.56 |
| | 23233 | 704.5 | TOCANI | 12 | 6 | 20.82 | 18.32 | 16.17 | 34.77 | -18.60 |
| | | | | 25 | 0 | 20.80 | 18.30 | 16.15 | 34.77 | -18.62 |
| | | | | 1 | 0 | 20.71 | 18.21 | 16.06 | 34.77 | -18.71 |
| | 23205 | 779.5 | 64QAM | 1 | 24 | 20.79 | 18.29 | 16.14 | 34.77 | -18.63 |
| | 23203 | 117.5 | U4QAIVI | 12 | 6 | 19.75 | 17.25 | 15.10 | 34.77 | -19.67 |
| | | | | 25 | 0 | 19.84 | 17.34 | 15.19 | 34.77 | -19.58 |
| | | | | 1 | 0 | 20.87 | 18.37 | 16.22 | 34.77 | -18.55 |
| 5 | 23230 | 782 | 64QAM | 1 | 24 | 20.83 | 18.33 | 16.18 | 34.77 | -18.59 |
| | 23230 | 102 | UTUAIN | 12 | 6 | 19.77 | 17.27 | 15.12 | 34.77 | -19.65 |
| | | | | 25 | 0 | 19.87 | 17.37 | 15.22 | 34.77 | -19.55 |
| | | | | 1 | 0 | 20.71 | 18.21 | 16.06 | 34.77 | -18.71 |
| | 23255 | 784.5 | 64QAM | 1 | 24 | 20.90 | 18.40 | 16.25 | 34.77 | -18.52 |
| | 20200 | 707.0 | UTQAIVI | 12 | 6 | 19.75 | 17.25 | 15.10 | 34.77 | -19.67 |
| | | | | 25 | 0 | 19.72 | 17.22 | 15.07 | 34.77 | -19.70 |

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Antenna gain (dBi) -2.5

| Antenna | gain (ubi) | | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|-------|----------------|
| | | | LTE Band | 13_Upli | ize Offset (dBm) Average (dBm) Average (dBm) Average (dBm) Limit (dBm) 1 0 23.01 20.51 18.36 34.77 1 49 22.98 20.48 18.33 34.77 25 12 22.00 19.50 17.35 34.77 50 0 21.96 19.46 17.31 34.77 1 0 21.84 19.34 17.19 34.77 1 49 21.98 19.48 17.33 34.77 25 12 20.89 18.39 16.24 34.77 50 0 20.88 18.38 16.23 34.77 1 0 20.89 18.39 16.24 34.77 1 49 20.95 18.45 16.30 34.77 | | | | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | | Average | Average | Average | Limit | Margin (dB) |
| | | | | 1 | 0 | 23.01 | 20.51 | 18.36 | 34.77 | -16.41 |
| 10 | 23230 | 782 | QPSK | 1 | 49 | 22.98 | 20.48 | 18.33 | 34.77 | -16.44 |
| | | | | 25 | 12 | 22.00 | 19.50 | 17.35 | 34.77 | -17.42 |
| | | | | 50 | 0 | 21.96 | 19.46 | 17.31 | 34.77 | -17.46 |
| | | | | 1 | 0 | 21.84 | 19.34 | 17.19 | 34.77 | -17.58 |
| 10 | 23230 | 782 | 16QAM | 1 | 49 | 21.98 | 19.48 | 17.33 | 34.77 | -17.44 |
| | | | | 25 | 12 | 20.89 | 18.39 | 16.24 | 34.77 | -18.53 |
| | | | | 50 | 0 | 20.88 | 18.38 | 16.23 | 34.77 | -18.54 |
| | | | | 1 | 0 | 20.89 | 18.39 | 16.24 | 34.77 | -18.53 |
| 10 | 23230 | 782 | 64QAM | 1 | 49 | 20.95 | 18.45 | 16.30 | 34.77 | -18.47 |
| | | | | 25 | 12 | 19.88 | 17.38 | 15.23 | 34.77 | -19.54 |
| | | | | 50 | 0 | 19.92 | 17.42 | 15.27 | 34.77 | -19.50 |

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| Antenna | Antenna gain (dBi) -4.2 | | | | | | | | | |
|-------------|-------------------------|--------|------------|----|----|---------|---------|---------|-------|--------|
| | | Temple | | | | | | | | |
| BW (MHz) | UL Channel | | Modulation | | | Average | Average | Average | Limit | |
| | | | | 1 | 0 | 22.95 | 18.75 | 16.60 | 34.77 | -18.17 |
| | 22755 | 704 E | ODCK | 1 | 24 | 22.81 | 18.61 | 16.46 | 34.77 | -18.31 |
| | 23755 | 700.5 | QPSK | 12 | 6 | 21.91 | 17.71 | 15.56 | 34.77 | -19.21 |
| | | | | 25 | 0 | 21.95 | 17.75 | 15.60 | 34.77 | -19.17 |
| | | | | 1 | 0 | 22.86 | 18.66 | 16.51 | 34.77 | -18.26 |
| 5 | 23790 | 710 | UDCK | 1 | 24 | 22.89 | 18.69 | 16.54 | 34.77 | -18.23 |
| 5 | 23/90 | 710 | QF3K | 12 | 6 | 21.78 | 17.58 | 15.43 | 34.77 | -19.34 |
| | | | | 25 | 0 | 21.88 | 17.68 | 15.53 | 34.77 | -19.24 |
| | | | | 1 | 0 | 22.88 | 18.68 | 16.53 | 34.77 | -18.24 |
| | 23825 | 712 5 | ODCK | 1 | 24 | 22.79 | 18.59 | 16.44 | 34.77 | -18.33 |
| | 23023 | 713.3 | QF3K | 12 | 6 | 21.88 | 17.68 | 15.53 | 34.77 | -19.24 |
| | | | | 25 | 0 | 21.77 | 17.57 | 15.42 | 34.77 | -19.35 |
| | | | | 1 | 0 | 21.78 | 17.58 | 15.43 | 34.77 | -19.34 |
| | 23755 | 706.5 | 16OAM | 1 | 24 | 21.88 | 17.68 | 15.53 | 34.77 | -19.24 |
| | 23733 | 700.5 | TOQAW | 12 | 6 | 20.80 | 16.60 | 14.45 | 34.77 | -20.32 |
| | | | | 25 | 0 | 20.90 | 16.70 | 14.55 | 34.77 | -20.22 |
| | | | | 1 | 0 | 21.78 | 17.58 | 15.43 | 34.77 | -19.34 |
| 5 | 23790 | 710 | 16OAM | 1 | 24 | 21.84 | 17.64 | 15.49 | 34.77 | -19.28 |
|] | 23770 | 710 | TOCANI | 12 | 6 | 20.85 | 16.65 | 14.50 | 34.77 | -20.27 |
| | | | | 25 | 0 | 20.81 | 16.61 | 14.46 | 34.77 | -20.31 |
| | | | | 1 | 0 | 21.91 | 17.71 | 15.56 | 34.77 | -19.21 |
| | 23825 | 712 5 | 16OAM | 1 | 24 | 21.80 | 17.60 | 15.45 | 34.77 | -19.32 |
| | 23023 | 713.3 | TOCANI | 12 | 6 | 20.92 | 16.72 | 14.57 | 34.77 | -20.20 |
| | | | | 25 | 0 | 20.92 | 16.72 | 14.57 | 34.77 | -20.20 |
| | | | | 1 | 0 | 20.78 | 16.58 | 14.43 | 34.77 | -20.34 |
| | 23755 | 706.5 | 640AM | | 24 | 20.83 | 16.63 | 14.48 | 34.77 | -20.29 |
| | 23733 | 700.5 | UTQAIVI | | 6 | 19.77 | 15.57 | 13.42 | 34.77 | -21.35 |
| | | | | 25 | 0 | 19.92 | 15.72 | 13.57 | 34.77 | -21.20 |
| | | | | 1 | 0 | 20.77 | 16.57 | 14.42 | 34.77 | -20.35 |
| 5 | 23790 | 710 | 640AM | | 24 | | | 14.55 | 34.77 | |
| | 23770 | , 10 | UTQAW | | 6 | | | | 34.77 | |
| | | | | 25 | 0 | 19.88 | 15.68 | 13.53 | 34.77 | -21.24 |
| | | | | 1 | 0 | 20.83 | 16.63 | 14.48 | 34.77 | -20.29 |
| | 23825 | 713.5 | 64QAM | 1 | 24 | 20.83 | 16.63 | 14.48 | 34.77 | -20.29 |
| | 23023 | 713.3 | UTQAW | 12 | 6 | 19.86 | 15.66 | 13.51 | 34.77 | -21.26 |
| | | | | 25 | 0 | 19.85 | 15.65 | 13.50 | 34.77 | -21.27 |

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| Antenna | gain (dBi) | -4.2 | | | | | | | | |
|-------------|---------------|--------------------|------------|------------|--------------|-------------------------------|--------------------------|-------------------------|-----------------------|----------------|
| | | | LTE Band | 17_Upli | nk frequ | uency band : | 704 to 716 MI | -lz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | ERP Average (dBm) | ERP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.72 | 18.52 | 16.37 | 34.77 | -18.40 |
| | 22700 | 700 | ODCK | 1 | 49 | 22.90 | 18.70 | 16.55 | 34.77 | -18.22 |
| | 23780 | 709 | QPSK | 25 | 12 | 21.81 | 17.61 | 15.46 | 34.77 | -19.31 |
| | | | | 50 | 0 | 21.81 | 17.61 | 15.46 | 34.77 | -19.31 |
| | | | | 1 | 0 | 22.96 | 18.76 | 16.61 | 34.77 | -18.16 |
| 10 | 23790 | 710 | QPSK | 1 | 49 | 22.61 | 18.41 | 16.26 | 34.77 | -18.51 |
| 10 | 23/90 | 710 | UPSK | 25 | 12 | 21.79 | 17.59 | 15.44 | 34.77 | -19.33 |
| | | | | 50 | 0 | 21.71 | 17.51 | 15.36 | 34.77 | -19.41 |
| | | | | 1 | 0 | 22.79 | 18.59 | 16.44 | 34.77 | -18.33 |
| | 23800 | 711 | QPSK | 1 | 49 | 22.75 | 18.55 | 16.40 | 34.77 | -18.37 |
| | 23000 | /11 | UPSK | 25 | 12 | 21.78 | 17.58 | 15.43 | 34.77 | -19.34 |
| | | | | 50 | 0 | 21.88 | 17.68 | 15.53 | 34.77 | -19.24 |
| | | | | 1 | 0 | 21.86 | 17.66 | 15.51 | 34.77 | -19.26 |
| | 23780 | 709 | 16QAM | 1 | 49 | 21.95 | 17.75 | 15.60 | 34.77 | -19.17 |
| | 23/00 | 709 | TOQAW | 25 | 12 | 20.90 | 16.70 | 14.55 | 34.77 | -20.22 |
| | | | | 50 | 0 | 20.84 | 16.64 | 14.49 | 34.77 | -20.28 |
| | | | | 1 | 0 | 22.19 | 17.99 | 15.84 | 34.77 | -18.93 |
| 10 | 23790 | 710 | 16QAM | 1 | 49 | 21.93 | 17.73 | 15.58 | 34.77 | -19.19 |
| 10 | 23770 | 710 | TOQAW | 25 | 12 | 20.74 | 16.54 | 14.39 | 34.77 | -20.38 |
| | | | | 50 | 0 | 20.60 | 16.40 | 14.25 | 34.77 | -20.52 |
| | | | | 1 | 0 | 21.83 | 17.63 | 15.48 | 34.77 | -19.29 |
| | 23800 | 711 | 16QAM | 1 | 49 | 21.82 | 17.62 | 15.47 | 34.77 | -19.30 |
| | 23000 | / 11 | TOCANI | 25 | 12 | 20.76 | 16.56 | 14.41 | 34.77 | -20.36 |
| | | | | 50 | 0 | 20.89 | 16.69 | 14.54 | 34.77 | -20.23 |
| | | | | 1 | 0 | 20.79 | 16.59 | 14.44 | 34.77 | -20.33 |
| | 23780 | 709 | 64QAM | 1 | 49 | 20.79 | 16.59 | 14.44 | 34.77 | -20.33 |
| | 23700 | 107 | UTQAIVI | 25 | 12 | 19.78 | 15.58 | 13.43 | 34.77 | -21.34 |
| | | | | 50 | 0 | 19.80 | 15.60 | 13.45 | 34.77 | -21.32 |
| | | | | 1 | 0 | 21.20 | 17.00 | 14.85 | 34.77 | -19.92 |
| 10 | 23790 | 710 | 64QAM | 1 | 49 | 21.17 | 16.97 | 14.82 | 34.77 | -19.95 |
| 10 | 23770 | , 10 | UTQAW | 25 | 12 | 19.79 | 15.59 | 13.44 | 34.77 | -21.33 |
| | | | | 50 | 0 | 19.74 | 15.54 | 13.39 | 34.77 | -21.38 |
| | | | | 1 | 0 | 20.76 | 16.56 | 14.41 | 34.77 | -20.36 |
| | 23800 | 711 | 64QAM | 1 | 49 | 20.91 | 16.71 | 14.56 | 34.77 | -20.21 |
| | 23000 | , , , , | UTUAIN | 25 | 12 | 19.82 | 15.62 | 13.47 | 34.77 | -21.30 |
| | | | | 50 | 0 | 19.88 | 15.68 | 13.53 | 34.77 | -21.24 |

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Antenna gain (dBi) -5.2

| 7 tritorina ș | 9 () | -5.2 | | | | | | | |
|---------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE I | Band 38_Upli | nk frequ | uency b | and: 2570 to | | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.63 | 17.43 | 33 | -15.57 |
| | 37775 | 2572.5 | QPSK | 1 | 24 | 22.72 | 17.52 | 33 | -15.48 |
| | 31113 | 2372.3 | UPSK | 12 | 6 | 21.64 | 16.44 | 33 | -16.56 |
| | | | | 25 | 0 | 21.64 | 16.44 | 33 | -16.56 |
| | | | | 1 | 0 | 22.59 | 17.39 | 33 | -15.61 |
| 5 | 38000 | 2595 | QPSK | 1 | 24 | 22.64 | 17.44 | 33 | -15.56 |
| 5 | 30000 | 2090 | UPSK | 12 | 6 | 21.72 | 16.52 | 33 | -16.48 |
| | | | | 25 | 0 | 21.61 | 16.41 | 33 | -16.59 |
| | | | | 1 | 0 | 22.64 | 17.44 | 33 | -15.56 |
| | 38225 | 2617.5 | QPSK | 1 | 24 | 22.74 | 17.54 | 33 | -15.46 |
| | 30223 | 2017.3 | UPSK | 12 | 6 | 21.63 | 16.43 | 33 | -16.57 |
| | | | | 25 | 0 | 21.65 | 16.45 | 33 | -16.55 |
| | | | | 1 | 0 | 21.73 | 16.53 | 33 | -16.47 |
| | 37775 | 2572.5 | 16QAM | 1 | 24 | 21.63 | 16.43 | 33 | -16.57 |
| | 31113 | 2372.3 | TOQAW | 12 | 6 | 20.71 | 15.51 | 33 | -17.49 |
| | | | | 25 | 0 | 20.59 | 15.39 | 33 | -17.61 |
| | | | | 1 | 0 | 21.57 | 16.37 | 33 | -16.63 |
| 5 | 38000 | 2595 | 16QAM | 1 | 24 | 21.66 | 16.46 | 33 | -16.54 |
| J | 30000 | 2373 | TOQAW | 12 | 6 | 20.63 | 15.43 | 33 | -17.57 |
| | | | | 25 | 0 | 20.59 | 15.39 | 33 | -17.61 |
| | | | | 1 | 0 | 21.74 | 16.54 | 33 | -16.46 |
| | 38225 | 2617.5 | 16QAM | 1 | 24 | 21.71 | 16.51 | 33 | -16.49 |
| | 30223 | 2017.5 | TOQAW | 12 | 6 | 20.75 | 15.55 | 33 | -17.45 |
| | | | | 25 | 0 | 20.59 | 15.39 | 33 | -17.61 |
| | | | | 1 | 0 | 20.61 | 15.41 | 33 | -17.59 |
| | 37775 | 2572.5 | 64QAM | 1 | 24 | 20.58 | 15.38 | 33 | -17.62 |
| | 31113 | 2372.3 | U4QAIVI | 12 | 6 | 19.58 | 14.38 | 33 | -18.62 |
| | | | | 25 | 0 | 19.70 | 14.50 | 33 | -18.5 |
| | | | | 1 | 0 | 20.65 | 15.45 | 33 | -17.55 |
| 5 | 38000 | 2595 | 64QAM | 1 | 24 | 20.57 | 15.37 | 33 | -17.63 |
| J | 30000 | ZJ7J | U4QAW | 12 | 6 | 19.73 | 14.53 | 33 | -18.47 |
| | | | | 25 | 0 | 19.69 | 14.49 | 33 | -18.51 |
| | | | | 1 | 0 | 20.65 | 15.45 | 33 | -17.55 |
| | 38225 | 2617.5 | 64QAM | 1 | 24 | 20.59 | 15.39 | 33 | -17.61 |
| | 30223 | 2017.0 | UTQAIVI | 12 | 6 | 19.58 | 14.38 | 33 | -18.62 |
| | | | | 25 | 0 | 19.64 | 14.44 | 33 | -18.56 |

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Antenna gain (dBi)

| Antenna | gairi (abi) | -5.2 | | | | | | | |
|-------------|---------------|--------------------|---------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE I | Band 38_Uplii | nk frequ | uency b | and: 2570 to | 2620 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.64 | 17.44 | 33 | -15.56 |
| | 27000 | 2575 | QPSK | 1 | 49 | 22.65 | 17.45 | 33 | -15.55 |
| | 37800 | 2070 | UP3K | 25 | 12 | 21.65 | 16.45 | 33 | -16.55 |
| | | | | 50 | 0 | 21.71 | 16.51 | 33 | -16.49 |
| | | | | 1 | 0 | 22.71 | 17.51 | 33 | -15.49 |
| 10 | 38000 | 2595 | QPSK | 1 | 49 | 22.69 | 17.49 | 33 | -15.51 |
| 10 | 30000 | 2090 | UPSK | 25 | 12 | 21.59 | 16.39 | 33 | -16.61 |
| | | | | 50 | 0 | 21.75 | 16.55 | 33 | -16.45 |
| | | | | 1 | 0 | 22.77 | 17.57 | 33 | -15.43 |
| | 20200 | 2/15 | QPSK | 1 | 49 | 22.67 | 17.47 | 33 | -15.53 |
| | 38200 | 2615 | UP3K | 25 | 12 | 21.60 | 16.40 | 33 | -16.6 |
| | | | | 50 | 0 | 21.59 | 16.39 | 33 | -16.61 |
| | | | | 1 | 0 | 21.64 | 16.44 | 33 | -16.56 |
| | 37800 | 2575 | 16QAM | 1 | 49 | 21.59 | 16.39 | 33 | -16.61 |
| | 37000 | 2070 | TOQAW | 25 | 12 | 20.76 | 15.56 | 33 | -17.44 |
| | | | | 50 | 0 | 20.59 | 15.39 | 33 | -17.61 |
| | | | | 1 | 0 | 21.60 | 16.40 | 33 | -16.6 |
| 10 | 38000 | 2595 | 16QAM | 1 | 49 | 21.73 | 16.53 | 33 | -16.47 |
| 10 | 30000 | 2090 | TOQAW | 25 | 12 | 20.62 | 15.42 | 33 | -17.58 |
| | | | | 50 | 0 | 20.77 | 15.57 | 33 | -17.43 |
| | | | | 1 | 0 | 21.68 | 16.48 | 33 | -16.52 |
| | 38200 | 2615 | 16QAM | 1 | 49 | 21.68 | 16.48 | 33 | -16.52 |
| | 30200 | 2013 | TOQAW | 25 | 12 | 20.68 | 15.48 | 33 | -17.52 |
| | | | | 50 | 0 | 20.72 | 15.52 | 33 | -17.48 |
| | | | | 1 | 0 | 20.67 | 15.47 | 33 | -17.53 |
| | 37800 | 2575 | 64QAM | 1 | 49 | 20.77 | 15.57 | 33 | -17.43 |
| | 37000 | 2575 | 04QAIVI | 25 | 12 | 19.70 | 14.50 | 33 | -18.5 |
| | | | | 50 | 0 | 19.76 | 14.56 | 33 | -18.44 |
| | | | | 1 | 0 | 20.64 | 15.44 | 33 | -17.56 |
| 10 | 38000 | 2595 | 64QAM | 1 | 49 | 20.71 | 15.51 | 33 | -17.49 |
| 10 | 30000 | 2070 | U4QAW | 25 | 12 | 19.64 | 14.44 | 33 | -18.56 |
| | | | | 50 | 0 | 19.58 | 14.38 | 33 | -18.62 |
| | | | | 1 | 0 | 20.75 | 15.55 | 33 | -17.45 |
| | 38200 | 2615 | 64QAM | 1 | 49 | 20.64 | 15.44 | 33 | -17.56 |
| | 30200 | 2010 | U4QAW | 25 | 12 | 19.64 | 14.44 | 33 | -18.56 |
| | | | | 50 | 0 | 19.62 | 14.42 | 33 | -18.58 |

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Antenna gain (dBi) -5.2

| Antenna | gain (abi) | -5.2 | | | | | | | |
|-------------|---------------|--------------------|---------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE I | Band 38_Uplii | nk frequ | uency b | and: 2570 to | 2620 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.70 | 17.50 | 33 | -15.5 |
| | 27025 | 2577.5 | ODCK | 1 | 74 | 22.73 | 17.53 | 33 | -15.47 |
| | 37825 | 2577.5 | QPSK | 36 | 19 | 21.64 | 16.44 | 33 | -16.56 |
| | | | | 75 | 0 | 21.66 | 16.46 | 33 | -16.54 |
| | | | | 1 | 0 | 22.69 | 17.49 | 33 | -15.51 |
| 15 | 20000 | SEGE | QPSK | 1 | 74 | 22.63 | 17.43 | 33 | -15.57 |
| 15 | 38000 | 2595 | UP3K | 36 | 19 | 21.66 | 16.46 | 33 | -16.54 |
| | | | | 75 | 0 | 21.61 | 16.41 | 33 | -16.59 |
| | | | | 1 | 0 | 22.58 | 17.38 | 33 | -15.62 |
| | 20175 | 2612.5 | QPSK | 1 | 74 | 22.65 | 17.45 | 33 | -15.55 |
| | 38175 | 2012.3 | UP3K | 36 | 19 | 21.67 | 16.47 | 33 | -16.53 |
| | | | | 75 | 0 | 21.58 | 16.38 | 33 | -16.62 |
| | | | | 1 | 0 | 21.77 | 16.57 | 33 | -16.43 |
| | 37825 | 2577.5 | 16QAM | 1 | 74 | 21.58 | 16.38 | 33 | -16.62 |
| | 3/823 | 2377.3 | TOUAIVI | 36 | 19 | 20.63 | 15.43 | 33 | -17.57 |
| | | | | 75 | 0 | 20.66 | 15.46 | 33 | -17.54 |
| | | | | 1 | 0 | 21.73 | 16.53 | 33 | -16.47 |
| 15 | 38000 | 2595 | 16QAM | 1 | 74 | 21.59 | 16.39 | 33 | -16.61 |
| 13 | 30000 | 2090 | TOUAIVI | 36 | 19 | 20.60 | 15.40 | 33 | -17.6 |
| | | | | 75 | 0 | 20.65 | 15.45 | 33 | -17.55 |
| | | | | 1 | 0 | 21.58 | 16.38 | 33 | -16.62 |
| | 38175 | 2612.5 | 16QAM | 1 | 74 | 21.68 | 16.48 | 33 | -16.52 |
| | 30173 | 2012.3 | TOUAIVI | 36 | 19 | 20.70 | 15.50 | 33 | -17.5 |
| | | | | 75 | 0 | 20.64 | 15.44 | 33 | -17.56 |
| | | | | 1 | 0 | 20.68 | 15.48 | 33 | -17.52 |
| | 37825 | 2577.5 | 64QAM | 1 | 74 | 20.71 | 15.51 | 33 | -17.49 |
| | 37023 | 2377.3 | 04QAIVI | 36 | 19 | 19.71 | 14.51 | 33 | -18.49 |
| | | | | 75 | 0 | 19.66 | 14.46 | 33 | -18.54 |
| | | | | 1 | 0 | 20.59 | 15.39 | 33 | -17.61 |
| 15 | 38000 | 2595 | 64QAM | 1 | 74 | 20.59 | 15.39 | 33 | -17.61 |
| 10 | 30000 | 2070 | 04QAW | 36 | 19 | 19.66 | 14.46 | 33 | -18.54 |
| | | | | 75 | 0 | 19.76 | 14.56 | 33 | -18.44 |
| | | | | 1 | 0 | 20.68 | 15.48 | 33 | -17.52 |
| | 38175 | 2612.5 | 64QAM | 1 | 74 | 20.65 | 15.45 | 33 | -17.55 |
| | 301/3 | 2012.3 | 04QAW | 36 | 19 | 19.62 | 14.42 | 33 | -18.58 |
| | | | | 75 | 0 | 19.64 | 14.44 | 33 | -18.56 |

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Antenna gain (dBi) -5.2

| Antenna | yallı (ubi) | -5.2 | | | | | | | |
|-------------|---------------|--------------------|---------------|------------|--------------|-------------------------------|--------------------------|------------------------|----------------|
| | | LTE I | Band 38_Uplii | nk frequ | uency b | and: 2570 to | 2620 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.78 | 17.58 | 33 | -15.417 |
| | 37850 | 2580 | QPSK | 1 | 99 | 22.58 | 17.38 | 33 | -15.62 |
| | 37800 | 2580 | UP3K | 50 | 25 | 21.83 | 16.63 | 33 | -16.37 |
| | | | | 100 | 0 | 21.80 | 16.60 | 33 | -16.4 |
| | | | | 1 | 0 | 22.66 | 17.46 | 33 | -15.54 |
| 20 | 38000 | 2595 | QPSK | 1 | 99 | 22.62 | 17.42 | 33 | -15.58 |
| 20 | 30000 | 2575 | QF 3K | 50 | 25 | 21.72 | 16.52 | 33 | -16.48 |
| | | | | 100 | 0 | 21.65 | 16.45 | 33 | -16.55 |
| | | | | 1 | 0 | 22.65 | 17.45 | 33 | -15.55 |
| | 38150 | 2610 | QPSK | 1 | 99 | 22.69 | 17.49 | 33 | -15.51 |
| | 30130 | 2010 | QF 3K | 50 | 25 | 21.63 | 16.43 | 33 | -16.57 |
| | | | | 100 | 0 | 21.76 | 16.56 | 33 | -16.44 |
| | | | | 1 | 0 | 21.68 | 16.48 | 33 | -16.52 |
| | 37850 | 2580 | 16QAM | 1 | 99 | 21.64 | 16.44 | 33 | -16.56 |
| | 37030 | 2300 | IOQAIVI | 50 | 25 | 20.83 | 15.63 | 33 | -17.37 |
| | | | | 100 | 0 | 20.82 | 15.62 | 33 | -17.38 |
| | | | | 1 | 0 | 21.69 | 16.49 | 33 | -16.51 |
| 20 | 38000 | 2595 | 16QAM | 1 | 99 | 21.71 | 16.51 | 33 | -16.49 |
| 20 | 30000 | 2373 | TOQAIVI | 50 | 25 | 20.66 | 15.46 | 33 | -17.54 |
| | | | | 100 | 0 | 20.60 | 15.40 | 33 | -17.6 |
| | | | | 1 | 0 | 21.62 | 16.42 | 33 | -16.58 |
| | 38150 | 2610 | 16QAM | 1 | 99 | 21.65 | 16.45 | 33 | -16.55 |
| | 30130 | 2010 | 10071111 | 50 | 25 | 20.57 | 15.37 | 33 | -17.63 |
| | | | | 100 | 0 | 20.65 | 15.45 | 33 | -17.55 |
| | | | | 1 | 0 | 20.86 | 15.66 | 33 | -17.34 |
| | 37850 | 2580 | 64QAM | 1 | 99 | 20.59 | 15.39 | 33 | -17.61 |
| | 0,000 | 2000 | 012/11/1 | 50 | 25 | 19.93 | 14.73 | 33 | -18.27 |
| | | | | 100 | 0 | 19.83 | 14.63 | 33 | -18.37 |
| | | | | 1 | 0 | 20.72 | 15.52 | 33 | -17.48 |
| 20 | 38000 | 2595 | 64QAM | 1 | 99 | 20.68 | 15.48 | 33 | -17.52 |
| _0 | | 2070 | 012/11/1 | 50 | 25 | 19.66 | 14.46 | 33 | -18.54 |
| | | | | 100 | 0 | 19.65 | 14.45 | 33 | -18.55 |
| | | | | 1 | 0 | 20.66 | 15.46 | 33 | -17.54 |
| | 38150 | 2610 | 64QAM | 1 | 99 | 20.69 | 15.49 | 33 | -17.51 |
| | 55100 | 2310 | 3.27.11 | 50 | 25 | 19.60 | 14.40 | 33 | -18.6 |
| | | | | 100 | 0 | 19.65 | 14.45 | 33 | -18.55 |

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Antenna gain (dBi)

-5.2

| 7 ti ito i i i d | gairi (ubi) | -3.2 | | | | | | | |
|------------------|---------------|--------------------|---------------|------------|--------------|-------------------------------|--------------------------|------------------------|----------------|
| | | LTE I | Band 41_Uplir | nk frequ | uency b | and: 2496 to | 2690 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.90 | 17.70 | 33 | -15.3 |
| | 39675 | 2400 E | ODCK | 1 | 24 | 23.02 | 17.82 | 33 | -15.18 |
| | 390/3 | 2498.5 | QPSK | 12 | 6 | 21.88 | 16.68 | 33 | -16.32 |
| | | | | 25 | 0 | 21.94 | 16.74 | 33 | -16.26 |
| | | | | 1 | 0 | 22.86 | 17.66 | 33 | -15.34 |
| 5 | 40620 | 2593 | QPSK | 1 | 24 | 22.89 | 17.69 | 33 | -15.31 |
| 3 | 40020 | 2093 | UPSK | 12 | 6 | 21.84 | 16.64 | 33 | -16.36 |
| | | | | 25 | 0 | 21.91 | 16.71 | 33 | -16.29 |
| | | | | 1 | 0 | 22.97 | 17.77 | 33 | -15.23 |
| | 41565 | 2687.5 | QPSK | 1 | 24 | 22.99 | 17.79 | 33 | -15.21 |
| | 41303 | 2007.3 | UPSK | 12 | 6 | 21.98 | 16.78 | 33 | -16.22 |
| | | | | 25 | 0 | 21.86 | 16.66 | 33 | -16.34 |
| | | | | 1 | 0 | 21.99 | 16.79 | 33 | -16.21 |
| | 39675 | 2498.5 | 16QAM | 1 | 24 | 22.04 | 16.84 | 33 | -16.16 |
| | 39073 | 2490.0 | TOQAW | 12 | 6 | 20.85 | 15.65 | 33 | -17.35 |
| | | | | 25 | 0 | 21.03 | 15.83 | 33 | -17.17 |
| | | | | 1 | 0 | 21.93 | 16.73 | 33 | -16.27 |
| 5 | 40620 | 2593 | 16QAM | 1 | 24 | 21.85 | 16.65 | 33 | -16.35 |
| 3 | 40020 | 2093 | TOQAW | 12 | 6 | 20.95 | 15.75 | 33 | -17.25 |
| | | | | 25 | 0 | 20.97 | 15.77 | 33 | -17.23 |
| | | | | 1 | 0 | 21.99 | 16.79 | 33 | -16.21 |
| | 41565 | 2687.5 | 16QAM | 1 | 24 | 21.91 | 16.71 | 33 | -16.29 |
| | 41303 | 2007.3 | TOQAW | 12 | 6 | 20.98 | 15.78 | 33 | -17.22 |
| | | | | 25 | 0 | 20.86 | 15.66 | 33 | -17.34 |
| | | | | 1 | 0 | 20.87 | 15.67 | 33 | -17.33 |
| | 39675 | 2498.5 | 64QAM | 1 | 24 | 20.90 | 15.70 | 33 | -17.3 |
| | 39073 | 2490.3 | 04QAIVI | 12 | 6 | 19.96 | 14.76 | 33 | -18.24 |
| | | | | 25 | 0 | 20.03 | 14.83 | 33 | -18.17 |
| | | | | 1 | 0 | 21.04 | 15.84 | 33 | -17.16 |
| 5 | 40620 | 2503 | 64QAM | 1 | 24 | 20.98 | 15.78 | 33 | -17.22 |
| J | 5 40620 2593 | U4QAIVI | 12 | 6 | 19.88 | 14.68 | 33 | -18.32 | |
| | | | 25 | 0 | 19.95 | 14.75 | 33 | -18.25 | |
| | | | 1 | 0 | 20.95 | 15.75 | 33 | -17.25 | |
| | 41565 | 2687.5 | 64QAM | 1 | 24 | 20.98 | 15.78 | 33 | -17.22 |
| | 71303 | 2007.3 | UTUAIN | 12 | 6 | 19.84 | 14.64 | 33 | -18.36 |
| | | | | 25 | 0 | 19.85 | 14.65 | 33 | -18.35 |

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Antenna gain (dBi)

-5.2

| | gain (abi) | -3.2 | | | | | | | | | | |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|----|-------|---------|---------|--------|--------|--|--|--|
| | 10 40620 2593 PSK QPSK 1 49 22.92 17.72 33 -15.28 1 0 22.94 17.74 33 -16.24 1 0 22.94 17.74 33 -15.26 1 25 12 21.93 16.73 33 -15.26 1 25 12 21.93 16.73 33 -15.26 1 25 12 21.93 16.73 33 -15.26 1 25 12 21.93 16.73 33 -15.26 1 25 12 21.93 16.73 33 -15.26 1 25 12 21.93 16.73 33 -15.26 1 25 12 21.93 16.75 33 -16.27 1 25 12 21.91 16.71 33 -15.33 1 25 12 25 12 21.91 16.71 33 -16.29 1 25 12 21.91 16.71 33 -16.29 1 25 12 21.91 16.71 33 -16.29 1 25 12 21.91 16.71 33 -16.29 1 25 12 21.91 16.71 33 -16.29 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -17.29 1 25 12 20.91 15.71 33 -17.29 1 25 12 20.91 15.71 33 -17.29 1 25 12 20.91 15.71 33 -17.29 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -17.29 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -17.29 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -16.23 1 25 12 20.91 15.71 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.77 33 -17.23 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.69 33 -17.31 1 25 12 20.97 15.77 15.77 125 12 20.97 15.77 125 | | | | | | | | | | | |
| BW (MHz) | | , | Modulation | | | Average | Average | Limit | _ | | | |
| | | | | 1 | 0 | 22.88 | 17.68 | 33 | -15.32 | | | |
| | 20700 | 2501 | ODCK | 1 | 49 | 22.92 | 17.72 | 33 | -15.28 | | | |
| | 39700 | 2301 | UPSK | 25 | 12 | 21.99 | 16.79 | 33 | -16.21 | | | |
| | | | | 50 | 0 | 21.96 | 16.76 | 33 | -16.24 | | | |
| | | | | 1 | 0 | 22.94 | 17.74 | 33 | -15.26 | | | |
| 10 | 40620 | 2502 | ODCK | 1 | 49 | 23.00 | 17.80 | 33 | -15.2 | | | |
| 10 | 40020 | 2093 | UPSK | 25 | 12 | 21.93 | 16.73 | 33 | -16.27 | | | |
| | | | | 50 | 0 | 21.95 | 16.75 | 33 | -16.25 | | | |
| | | | | 1 | 0 | 22.87 | 17.67 | 33 | -15.33 | | | |
| | 41540 | 2405 | ODCK | 1 | 49 | 23.03 | 17.83 | 33 | -15.17 | | | |
| | 41540 | 2000 | UP3K | 25 | 12 | 21.91 | 16.71 | 33 | -16.29 | | | |
| | | | | 50 | 0 | 21.91 | 16.71 | 33 | -16.29 | | | |
| | | | | 1 | 0 | 22.00 | 16.80 | 33 | -16.2 | | | |
| | 20700 | 2501 | 1/0414 | 1 | 49 | 21.97 | 16.77 | 33 | -16.23 | | | |
| | 39700 | 2501 | 16QAM | 25 | 12 | 20.91 | 15.71 | 33 | -17.29 | | | |
| | | | | 50 | 0 | 20.89 | 15.69 | 33 | -17.31 | | | |
| | | | | 1 | 0 | 21.97 | 16.77 | 33 | -16.23 | | | |
| 10 | 40700 | 2502 | 1/0414 | 1 | 49 | 21.92 | 16.72 | 33 | -16.28 | | | |
| 10 | 40620 | 2593 | 16QAW | 25 | 12 | 20.97 | 15.77 | 33 | -17.23 | | | |
| | | | | 50 | 0 | 20.89 | 15.69 | 33 | -17.31 | | | |
| | | | | 1 | 0 | 21.90 | 16.70 | 33 | -16.3 | | | |
| | 44540 | 0/05 | 4/0414 | 1 | 49 | 21.92 | 16.72 | 33 | -16.28 | | | |
| | 41540 | 2685 | 16QAM | 25 | 12 | 20.92 | 15.72 | 33 | -17.28 | | | |
| | | | | 50 | 0 | 20.85 | 15.65 | 33 | -17.35 | | | |
| | | | | 1 | 0 | 20.96 | 15.76 | 33 | -17.24 | | | |
| | 20700 | 2504 | (4000 | 1 | 49 | 20.87 | 15.67 | 33 | -17.33 | | | |
| | 39700 | 2501 | 64QAM | 25 | 12 | 19.91 | 14.71 | 33 | -18.29 | | | |
| | | | | 50 | 0 | 19.90 | 14.70 | 33 | -18.3 | | | |
| | | | | 1 | 0 | 20.96 | 15.76 | 33 | -17.24 | | | |
| 10 | 40/00 | 0500 | (40.444 | 1 | 49 | 20.92 | 15.72 | 33 | -17.28 | | | |
| 10 | 10 40620 2593 | 64QAM | 25 | 12 | 19.96 | 14.76 | 33 | -18.24 | | | | |
| | | | | 50 | 0 | 19.90 | 14.70 | 33 | -18.3 | | | |
| | | | 1 | 0 | 20.97 | 15.77 | 33 | -17.23 | | | | |
| | | (40.444 | 1 | 49 | 20.99 | 15.79 | 33 | -17.21 | | | | |
| | 41540 | 2685 | 64QAM | 25 | 12 | 19.86 | 14.66 | 33 | -18.34 | | | |
| | | | | 50 | 0 | 19.86 | 14.66 | 33 | -18.34 | | | |

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Antenna gain (dBi)

-5.2

| Antenna | 9 () | -3.2 | | | | | | | |
|-------------|---------------|--------------------|---------------|------------|--------------|-------------------------------|--------------------------|------------------------|----------------|
| | | LTE E | Band 41_Uplir | nk frequ | iency ba | and: 2496 to | 2690 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.88 | 17.68 | 33 | -15.32 |
| | 39725 | 2503.5 | QPSK | 1 | 74 | 22.90 | 17.70 | 33 | -15.3 |
| | 39723 | 2303.3 | UPSK | 36 | 18 | 21.85 | 16.65 | 33 | -16.35 |
| | | | | 75 | 0 | 21.87 | 16.67 | 33 | -16.33 |
| | | | | 1 | 0 | 22.92 | 17.72 | 33 | -15.28 |
| 15 | 40620 | 2593 | QPSK | 1 | 74 | 23.01 | 17.81 | 33 | -15.19 |
| 13 | 40020 | 2373 | QI 3K | 36 | 18 | 21.94 | 16.74 | 33 | -16.26 |
| | | | | 75 | 0 | 21.93 | 16.73 | 33 | -16.27 |
| | | | | 1 | 0 | 23.04 | 17.84 | 33 | -15.16 |
| | 41515 | 2682.5 | QPSK | 1 | 74 | 22.99 | 17.79 | 33 | -15.21 |
| | 41313 | 2002.3 | QI 3K | 36 | 18 | 22.03 | 16.83 | 33 | -16.17 |
| | | | | 75 | 0 | 21.90 | 16.70 | 33 | -16.3 |
| | | | | 1 | 0 | 21.94 | 16.74 | 33 | -16.26 |
| | 39725 | 2503.5 | 16QAM | 1 | 74 | 21.88 | 16.68 | 33 | -16.32 |
| | 37723 | 2303.3 | TOCAIVI | 36 | 18 | 20.90 | 15.70 | 33 | -17.3 |
| | | | | 75 | 0 | 20.97 | 15.77 | 33 | -17.23 |
| | | | | 1 | 0 | 21.90 | 16.70 | 33 | -16.3 |
| 15 | 40620 | 2593 | 16QAM | 1 | 74 | 21.99 | 16.79 | 33 | -16.21 |
| 13 | 40020 | 2373 | TOQAIVI | 36 | 18 | 21.04 | 15.84 | 33 | -17.16 |
| | | | | 75 | 0 | 21.01 | 15.81 | 33 | -17.19 |
| | | | | 1 | 0 | 22.02 | 16.82 | 33 | -16.18 |
| | 41515 | 2682.5 | 16QAM | 1 | 74 | 21.85 | 16.65 | 33 | -16.35 |
| | 41313 | 2002.3 | TOQAIVI | 36 | 18 | 20.92 | 15.72 | 33 | -17.28 |
| | | | | 75 | 0 | 21.03 | 15.83 | 33 | -17.17 |
| | | | | 1 | 0 | 20.90 | 15.70 | 33 | -17.3 |
| | 39725 | 2503.5 | 64QAM | 1 | 74 | 21.02 | 15.82 | 33 | -17.18 |
| | 37723 | 2505.5 | 010/11/1 | 36 | 18 | 19.91 | 14.71 | 33 | -18.29 |
| | | | | 75 | 0 | 19.97 | 14.77 | 33 | -18.23 |
| | | | | 1 | 0 | 20.97 | 15.77 | 33 | -17.23 |
| 15 | 40620 | 2593 | 64QAM | 1 | 74 | 21.02 | 15.82 | 33 | -17.18 |
| 10 | 15 40620 2593 | 012/11/1 | 36 | 18 | 19.90 | 14.70 | 33 | -18.3 | |
| | | | 75 | 0 | 20.02 | 14.82 | 33 | -18.18 | |
| | | | 1 | 0 | 21.01 | 15.81 | 33 | -17.19 | |
| | 41515 | 2682.5 | 64QAM | 1 | 74 | 20.93 | 15.73 | 33 | -17.27 |
| | 11313 | 2002.0 | O I QI (IVI | 36 | 18 | 19.93 | 14.73 | 33 | -18.27 |
| | | | | 75 | 0 | 19.99 | 14.79 | 33 | -18.21 |

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Antenna gain (dBi)

-5.2

| Antonia | 9 () | -3.2 | | | | | | | |
|-------------|---------------|--------------------|---------------|------------|--------------|-------------------------------|--------------------------|------------------------|----------------|
| | | LTE E | Band 41_Uplir | nk frequ | iency ba | and: 2496 to | 2690 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.66 | 17.46 | 33 | -15.54 |
| | 39750 | 2506 | QPSK | 1 | 99 | 22.85 | 17.65 | 33 | -15.35 |
| | 39730 | 2000 | QPSK | 50 | 25 | 21.90 | 16.70 | 33 | -16.3 |
| | | | | 100 | 0 | 21.92 | 16.72 | 33 | -16.28 |
| | | | | 1 | 0 | 22.86 | 17.66 | 33 | -15.34 |
| 20 | 40620 | 2593 | QPSK | 1 | 99 | 22.85 | 17.65 | 33 | -15.35 |
| 20 | 40020 | 2093 | UPSK | 50 | 25 | 21.87 | 16.67 | 33 | -16.33 |
| | | | | 100 | 0 | 22.00 | 16.80 | 33 | -16.2 |
| | | | | 1 | 0 | 23.05 | 17.85 | 33 | -15.15 |
| | 41490 | 2680 | QPSK | 1 | 99 | 23.01 | 17.81 | 33 | -15.19 |
| | 41490 | 2000 | UPSK | 50 | 25 | 21.90 | 16.70 | 33 | -16.3 |
| | | | | 100 | 0 | 22.02 | 16.82 | 33 | -16.18 |
| | 39750 2506 | | | 1 | 0 | 21.87 | 16.67 | 33 | -16.33 |
| | | 2504 | 16QAM | 1 | 99 | 21.85 | 16.65 | 33 | -16.35 |
| 39750 | 2500 | TOQAIVI | 50 | 25 | 21.02 | 15.82 | 33 | -17.18 | |
| | | | | 100 | 0 | 20.92 | 15.72 | 33 | -17.28 |
| | | | 16QAM | 1 | 0 | 21.97 | 16.77 | 33 | -16.23 |
| 20 | 40620 | 2593 | | 1 | 99 | 21.93 | 16.73 | 33 | -16.27 |
| 20 | 40020 | 2373 | | 50 | 25 | 20.85 | 15.65 | 33 | -17.35 |
| | | | | 100 | 0 | 20.84 | 15.64 | 33 | -17.36 |
| | | | | 1 | 0 | 21.95 | 16.75 | 33 | -16.25 |
| | 41490 | 2680 | 16QAM | 1 | 99 | 21.95 | 16.75 | 33 | -16.25 |
| | 41470 | 2000 | TOQAW | 50 | 25 | 20.96 | 15.76 | 33 | -17.24 |
| | | | | 100 | 0 | 20.91 | 15.71 | 33 | -17.29 |
| | | | | 1 | 0 | 21.01 | 15.81 | 33 | -17.19 |
| | 39750 | 2506 | 64QAM | 1 | 99 | 20.87 | 15.67 | 33 | -17.33 |
| | 37730 | 2300 | UTQAIVI | 50 | 25 | 19.91 | 14.71 | 33 | -18.29 |
| | | | | 100 | 0 | 19.99 | 14.79 | 33 | -18.21 |
| | | | | 1 | 0 | 20.87 | 15.67 | 33 | -17.33 |
| 20 | 40620 | 2593 | 64QAM | 1 | 99 | 20.95 | 15.75 | 33 | -17.25 |
| 20 | 70020 | 2373 | UTUAIVI | 50 | 25 | 20.00 | 14.80 | 33 | -18.2 |
| | | | | 100 | 0 | 20.03 | 14.83 | 33 | -18.17 |
| | | | | 1 | 0 | 20.90 | 15.70 | 33 | -17.3 |
| | <u>/</u> 1/00 | 2680 | 640AM | 1 | 99 | 21.02 | 15.82 | 33 | -17.18 |
| | 41490 | 2680 | 64QAM — | 50 | 25 | 19.86 | 14.66 | 33 | -18.34 |
| | | | | 100 | 0 | 19.90 | 14.70 | 33 | -18.3 |

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Antenna gain (dBi) -0.9

| 7 | · , | | | | | | | | |
|-------------|---------------|--------------------|---------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE I | Band 66_Uplii | nk frequ | uency b | and : 1710 to | 1780 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.40 | 21.50 | 30 | -8.5 |
| | 131979 | 1710.7 | QPSK | 1 | 5 | 22.41 | 21.51 | 30 | -8.49 |
| | 1317/7 | 1710.7 | QF 3N | 3 | 2 | 22.30 | 21.40 | 30 | -8.6 |
| | | | | 6 | 0 | 21.32 | 20.42 | 30 | -9.58 |
| | | | | 1 | 0 | 22.41 | 21.51 | 30 | -8.49 |
| 1.4 | 132322 | 1745 | QPSK | 1 | 5 | 22.30 | 21.40 | 30 | -8.6 |
| 1.4 | 132322 | 1743 | QI 3K | 3 | 2 | 22.34 | 21.44 | 30 | -8.56 |
| | | | | 6 | 0 | 21.29 | 20.39 | 30 | -9.61 |
| | | | | 1 | 0 | 22.32 | 21.42 | 30 | -8.58 |
| | 132665 | 1779.3 | QPSK | 1 | 5 | 22.35 | 21.45 | 30 | -8.55 |
| | 132003 | 1777.5 | QI 3K | 3 | 2 | 22.24 | 21.34 | 30 | -8.66 |
| | | | | 6 | 0 | 21.39 | 20.49 | 30 | -9.51 |
| | | | | 1 | 0 | 21.29 | 20.39 | 30 | -9.61 |
| | 131979 | 1710.7 | 16QAM | 1 | 5 | 21.43 | 20.53 | 30 | -9.47 |
| | 131777 | 1710.7 | 10071111 | 3 | 2 | 21.28 | 20.38 | 30 | -9.62 |
| | | | | 6 | 0 | 20.32 | 19.42 | 30 | -10.58 |
| | | 1745 | 16QAM | 1 | 0 | 21.37 | 20.47 | 30 | -9.53 |
| 1.4 | 132322 | | | 1 | 5 | 21.43 | 20.53 | 30 | -9.47 |
| 1. 1 | 102022 | 1710 | 10071111 | 3 | 2 | 21.28 | 20.38 | 30 | -9.62 |
| | | | | 6 | 0 | 20.28 | 19.38 | 30 | -10.62 |
| | | | | 1 | 0 | 21.40 | 20.50 | 30 | -9.5 |
| | 132665 | 1779.3 | 16QAM | 1 | 5 | 21.35 | 20.45 | 30 | -9.55 |
| | 102000 | 1777.0 | 10071111 | 3 | 2 | 21.43 | 20.53 | 30 | -9.47 |
| | | | | 6 | 0 | 20.36 | 19.46 | 30 | -10.54 |
| | | | | 1 | 0 | 20.29 | 19.39 | 30 | -10.61 |
| | 131979 | 1710.7 | 64QAM | 1 | 5 | 20.27 | 19.37 | 30 | -10.63 |
| | 101777 | 1710.7 | 01071111 | 3 | 2 | 20.27 | 19.37 | 30 | -10.63 |
| | | | | 6 | 0 | 19.31 | 18.41 | 30 | -11.59 |
| | | | | 1 | 0 | 20.35 | 19.45 | 30 | -10.55 |
| 1 4 | 132322 | 1745 | 64QAM | 1 | 5 | 20.37 | 19.47 | 30 | -10.53 |
| 1.4 1 | 102022 | 1775 | U I Q/ (IVI | 3 | 2 | 20.34 | 19.44 | 30 | -10.56 |
| | | | | 6 | 0 | 19.28 | 18.38 | 30 | -11.62 |
| | | | | 1 | 0 | 20.30 | 19.40 | 30 | -10.6 |
| 1326 | 132665 | 132665 1779.3 | 64QAM | 1 | 5 | 20.43 | 19.53 | 30 | -10.47 |
| | 132003 | | | 3 | 2 | 20.27 | 19.37 | 30 | -10.63 |
| | | | | 6 | 0 | 19.37 | 18.47 | 30 | -11.53 |

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Antenna gain (dBi)

| 7 tritorina | 9 () | -0.7 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE I | Band 66_Upli | nk frequ | uency b | and: 1710 to | 1780 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.35 | 21.45 | 30 | -8.55 |
| | 131987 | 1711.5 | QPSK | 1 | 14 | 22.37 | 21.47 | 30 | -8.53 |
| | 131701 | 1711.5 | UPSK | 8 | 4 | 21.37 | 20.47 | 30 | -9.53 |
| | | | | 15 | 0 | 21.41 | 20.51 | 30 | -9.49 |
| | | | | 1 | 0 | 22.39 | 21.49 | 30 | -8.51 |
| 3 | 132322 | 1745 | QPSK | 1 | 14 | 22.26 | 21.36 | 30 | -8.64 |
| J | 132322 | 1743 | QF 3N | 8 | 4 | 21.26 | 20.36 | 30 | -9.64 |
| | | | | 15 | 0 | 21.28 | 20.38 | 30 | -9.62 |
| | | | | 1 | 0 | 22.31 | 21.41 | 30 | -8.59 |
| | 132657 | 1778.5 | QPSK | 1 | 14 | 22.37 | 21.47 | 30 | -8.53 |
| | 132037 | 1770.5 | UPSK | 8 | 4 | 21.28 | 20.38 | 30 | -9.62 |
| | | | | 15 | 0 | 21.24 | 20.34 | 30 | -9.66 |
| | | | | 1 | 0 | 21.44 | 20.54 | 30 | -9.46 |
| | 131987 | 1711.5 | 16QAM | 1 | 14 | 21.30 | 20.40 | 30 | -9.6 |
| | 131707 | 907 1711.5 | 1.5 TOQAW | 8 | 4 | 20.27 | 19.37 | 30 | -10.63 |
| | | | | 15 | 0 | 20.37 | 19.47 | 30 | -10.53 |
| | | 1745 | | 1 | 0 | 21.38 | 20.48 | 30 | -9.52 |
| 3 | 132322 | | 1745 | 16QAM | 1 | 14 | 21.32 | 20.42 | 30 |
| J | 132322 | 1743 | 16QAM | 8 | 4 | 20.40 | 19.50 | 30 | -10.5 |
| | | | | 15 | 0 | 20.41 | 19.51 | 30 | -10.49 |
| | | | | 1 | 0 | 21.39 | 20.49 | 30 | -9.51 |
| | 132657 | 1778.5 | 16QAM | 1 | 14 | 21.32 | 20.42 | 30 | -9.58 |
| | 132037 | 1770.5 | TOQAW | 8 | 4 | 20.39 | 19.49 | 30 | -10.51 |
| | | | | 15 | 0 | 20.39 | 19.49 | 30 | -10.51 |
| <u> </u> | | | | 1 | 0 | 20.29 | 19.39 | 30 | -10.61 |
| | 131987 | 1711.5 | 64QAM | 1 | 14 | 20.32 | 19.42 | 30 | -10.58 |
| | 131707 | 1711.3 | 04QAIVI | 8 | 4 | 19.26 | 18.36 | 30 | -11.64 |
| | | | | 15 | 0 | 19.27 | 18.37 | 30 | -11.63 |
| | | | | 1 | 0 | 20.30 | 19.40 | 30 | -10.6 |
| 3 | 132322 | 1745 | 64QAM | 1 | 14 | 20.31 | 19.41 | 30 | -10.59 |
| J | IJZJZZ | 1740 | U4QAW | 8 | 4 | 19.37 | 18.47 | 30 | -11.53 |
| | | | | 15 | 0 | 19.31 | 18.41 | 30 | -11.59 |
| | | | | 1 | 0 | 20.36 | 19.46 | 30 | -10.54 |
| | 132657 | 1778 5 | 64QAM | 1 | 14 | 20.32 | 19.42 | 30 | -10.58 |
| | | 57 1778.5 | UTQAIVI | 8 | 4 | 19.33 | 18.43 | 30 | -11.57 |
| | | | | 15 | 0 | 19.30 | 18.40 | 30 | -11.6 |

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| | | LTE I | Band 66_Uplii | nk frequ | uency b | and : 1710 to | 1780 MHz | | |
|-------------|---------------|--------------------|---------------|------------|--------------|-------------------------------|--------------------------|------------------------|----------------|
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.24 | 21.34 | 30 | -8.66 |
| | 121007 | 1710 5 | ODCK | 1 | 24 | 22.27 | 21.37 | 30 | -8.63 |
| | 131997 | 1712.5 | QPSK | 12 | 6 | 21.24 | 20.34 | 30 | -9.66 |
| | | | | 25 | 0 | 21.36 | 20.46 | 30 | -9.54 |
| | | | | 1 | 0 | 22.38 | 21.48 | 30 | -8.52 |
| 5 | 132322 | 1745 | QPSK | 1 | 24 | 22.33 | 21.43 | 30 | -8.57 |
| 5 | 132322 | 1740 | QP3K | 12 | 6 | 21.35 | 20.45 | 30 | -9.55 |
| | | | | 25 | 0 | 21.31 | 20.41 | 30 | -9.59 |
| | | | | 1 | 0 | 22.36 | 21.46 | 30 | -8.54 |
| | 132647 | 1777.5 | QPSK | 1 | 24 | 22.30 | 21.40 | 30 | -8.6 |
| | 132047 | 1777.5 | UPSK | 12 | 6 | 21.39 | 20.49 | 30 | -9.51 |
| | | | | 25 | 0 | 21.44 | 20.54 | 30 | -9.46 |
| | | | | 1 | 0 | 21.32 | 20.42 | 30 | -9.58 |
| 131997 | 1712.5 | 16QAM | 1 | 24 | 21.40 | 20.50 | 30 | -9.5 | |
| | 131997 | 1712.5 | ΙουΑίνι | 12 | 6 | 20.27 | 19.37 | 30 | -10.63 |
| | | | | 25 | 0 | 20.28 | 19.38 | 30 | -10.62 |
| | | 1745 | 16QAM | 1 | 0 | 21.24 | 20.34 | 30 | -9.66 |
| Е | 132322 | | | 1 | 24 | 21.37 | 20.47 | 30 | -9.53 |
| 5 | 132322 | | | 12 | 6 | 20.39 | 19.49 | 30 | -10.51 |
| | | | | 25 | 0 | 20.37 | 19.47 | 30 | -10.53 |
| | | | | 1 | 0 | 21.35 | 20.45 | 30 | -9.55 |
| | 1224 47 | 1777.5 | 140011 | 1 | 24 | 21.33 | 20.43 | 30 | -9.57 |
| | 132647 | 1///.5 | 16QAM | 12 | 6 | 20.35 | 19.45 | 30 | -10.55 |
| | | | | 25 | 0 | 20.29 | 19.39 | 30 | -10.61 |
| | | | | 1 | 0 | 20.39 | 19.49 | 30 | -10.51 |
| | 121007 | 1710 5 | 440011 | 1 | 24 | 20.27 | 19.37 | 30 | -10.63 |
| | 131997 | 1712.5 | 64QAM | 12 | 6 | 19.31 | 18.41 | 30 | -11.59 |
| | | | | 25 | 0 | 19.32 | 18.42 | 30 | -11.58 |
| | | | | 1 | 0 | 20.32 | 19.42 | 30 | -10.58 |
| Ē | 132322 | 1745 | 640011 | 1 | 24 | 20.42 | 19.52 | 30 | -10.48 |
| 5 | 132322 | 1740 | 64QAM | 12 | 6 | 19.29 | 18.39 | 30 | -11.61 |
| | | | | 25 | 0 | 19.26 | 18.36 | 30 | -11.64 |
| | | | | 1 | 0 | 20.29 | 19.39 | 30 | -10.61 |
| | 122417 | 1777.5 | 640011 | 1 | 24 | 20.25 | 19.35 | 30 | -10.65 |
| 132647 | 132047 | 1777.5 | 64QAM — | 12 | 6 | 19.24 | 18.34 | 30 | -11.66 |
| | | | | 25 | 0 | 19.42 | 18.52 | 30 | -11.48 |

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Antenna gain (dBi)

| 7 triterina | J · (·) | -0.7 | | | | | | | |
|-------------|---------------|--------------------|--------------|------------|--------------|-------------------------|--------------------------|------------------------|----------------|
| | | LTE I | Band 66_Upli | nk frequ | uency b | and: 1710 to | 1780 MHz | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) |
| | | | | 1 | 0 | 22.32 | 21.42 | 30 | -8.58 |
| | 132022 | 1715 | QPSK | 1 | 49 | 22.41 | 21.51 | 30 | -8.49 |
| | 132022 | 1713 | UPSK | 25 | 12 | 21.26 | 20.36 | 30 | -9.64 |
| | | | | 50 | 0 | 21.43 | 20.53 | 30 | -9.47 |
| | | | | 1 | 0 | 22.37 | 21.47 | 30 | -8.53 |
| 10 | 132322 | 1745 | QPSK | 1 | 49 | 22.26 | 21.36 | 30 | -8.64 |
| 10 | 132322 | 1743 | UPSK | 25 | 12 | 21.32 | 20.42 | 30 | -9.58 |
| | | | | 50 | 0 | 21.24 | 20.34 | 30 | -9.66 |
| | | | | 1 | 0 | 22.25 | 21.35 | 30 | -8.65 |
| | 132622 | 1775 | QPSK | 1 | 49 | 22.38 | 21.48 | 30 | -8.52 |
| | 132022 | 1773 | UPSK | 25 | 12 | 21.25 | 20.35 | 30 | -9.65 |
| | | | | 50 | 0 | 21.26 | 20.36 | 30 | -9.64 |
| | | | | 1 | 0 | 21.28 | 20.38 | 30 | -9.62 |
| | 132022 | 1715 | 16QAM | 1 | 49 | 21.32 | 20.42 | 30 | -9.58 |
| | 132022 | 1713 | | 25 | 12 | 20.27 | 19.37 | 30 | -10.63 |
| | | | | 50 | 0 | 20.31 | 19.41 | 30 | -10.59 |
| | | 1745 | 16QAM | 1 | 0 | 21.31 | 20.41 | 30 | -9.59 |
| 10 | 132322 | | | 1 | 49 | 21.28 | 20.38 | 30 | -9.62 |
| 10 | 132322 | 1743 | TOQAW | 25 | 12 | 20.26 | 19.36 | 30 | -10.64 |
| | | | | 50 | 0 | 20.33 | 19.43 | 30 | -10.57 |
| | | | | 1 | 0 | 21.25 | 20.35 | 30 | -9.65 |
| | 132622 | 1775 | 16QAM | 1 | 49 | 21.35 | 20.45 | 30 | -9.55 |
| | 132022 | 1773 | TOQAW | 25 | 12 | 20.32 | 19.42 | 30 | -10.58 |
| | | | | 50 | 0 | 20.24 | 19.34 | 30 | -10.66 |
| | | | | 1 | 0 | 20.31 | 19.41 | 30 | -10.59 |
| | 132022 | 1715 | 64QAM | 1 | 49 | 20.29 | 19.39 | 30 | -10.61 |
| | 132022 | 1713 | U4QAW | 25 | 12 | 19.35 | 18.45 | 30 | -11.55 |
| | | | | 50 | 0 | 19.35 | 18.45 | 30 | -11.55 |
| | | | | 1 | 0 | 20.31 | 19.41 | 30 | -10.59 |
| 10 | 132322 | 1745 | 64QAM | 1 | 49 | 20.38 | 19.48 | 30 | -10.52 |
| 10 | 132322 | 1740 | U4QAW | 25 | 12 | 19.37 | 18.47 | 30 | -11.53 |
| | | | | 50 | 0 | 19.32 | 18.42 | 30 | -11.58 |
| | | | | 1 | 0 | 20.28 | 19.38 | 30 | -10.62 |
| | 132622 | 1775 | 1775 64QAM - | 1 | 49 | 20.41 | 19.51 | 30 | -10.49 |
| 13 | 132022 | 1775 | U4QAIVI | 25 | 12 | 19.41 | 18.51 | 30 | -11.49 |
| | | | | 50 | 0 | 19.43 | 18.53 | 30 | -11.47 |

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Antenna gain (dBi)

| Afficilia gaili (ubi) -0.9 | | | | | | | | | | |
|----------------------------|---------------|--------------------|---------------|------------|--------------|-------------------------------|--------------------------|------------------------|----------------|--|
| | | LTE I | Band 66_Uplii | nk frequ | uency b | and: 1710 to | 1780 MHz | | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) | |
| | | | | 1 | 0 | 22.44 | 21.54 | 30 | -8.46 | |
| | 122047 | 1717.5 | QPSK | 1 | 74 | 22.35 | 21.45 | 30 | -8.55 | |
| | 132047 | 1/1/.5 | UP3K | 36 | 18 | 21.42 | 20.52 | 30 | -9.48 | |
| | | | | 75 | 0 | 21.33 | 20.43 | 30 | -9.57 | |
| | | | | 1 | 0 | 22.39 | 21.49 | 30 | -8.51 | |
| 15 | 132322 | 1745 | QPSK | 1 | 74 | 22.30 | 21.40 | 30 | -8.6 | |
| 13 | 132322 | 1743 | UPSK | 36 | 18 | 21.35 | 20.45 | 30 | -9.55 | |
| | | | | 75 | 0 | 21.40 | 20.50 | 30 | -9.5 | |
| | | | | 1 | 0 | 22.42 | 21.52 | 30 | -8.48 | |
| | 132597 | 1772.5 | QPSK | 1 | 74 | 22.25 | 21.35 | 30 | -8.65 | |
| | 132397 | 1772.3 | UPSK | 36 | 18 | 21.42 | 20.52 | 30 | -9.48 | |
| | | | | 75 | 0 | 21.36 | 20.46 | 30 | -9.54 | |
| | | | | 1 | 0 | 21.35 | 20.45 | 30 | -9.55 | |
| | 132047 1717.5 | 1717 5 | 16QAM | 1 | 74 | 21.33 | 20.43 | 30 | -9.57 | |
| | | 1717.5 | TOUAIVI | 36 | 18 | 20.40 | 19.50 | 30 | -10.5 | |
| | | | | 75 | 0 | 20.32 | 19.42 | 30 | -10.58 | |
| | | | | 1 | 0 | 21.37 | 20.47 | 30 | -9.53 | |
| 15 | 132322 | 1745 | 16QAM | 1 | 74 | 21.31 | 20.41 | 30 | -9.59 | |
| 13 | 132322 | | | 36 | 18 | 20.25 | 19.35 | 30 | -10.65 | |
| | | | | 75 | 0 | 20.40 | 19.50 | 30 | -10.5 | |
| | | | | 1 | 0 | 21.43 | 20.53 | 30 | -9.47 | |
| | 132597 | 1772.5 | 16QAM | 1 | 74 | 21.42 | 20.52 | 30 | -9.48 | |
| | 132397 | 1772.3 | TOQAW | 36 | 18 | 20.36 | 19.46 | 30 | -10.54 | |
| | | | | 75 | 0 | 20.28 | 19.38 | 30 | -10.62 | |
| | | | | 1 | 0 | 20.25 | 19.35 | 30 | -10.65 | |
| | 132047 | 1717.5 | 64QAM | 1 | 74 | 20.35 | 19.45 | 30 | -10.55 | |
| | 132047 | 1717.5 | 04QAIVI | 36 | 18 | 19.28 | 18.38 | 30 | -11.62 | |
| | | | | 75 | 0 | 19.31 | 18.41 | 30 | -11.59 | |
| | | | | 1 | 0 | 20.26 | 19.36 | 30 | -10.64 | |
| 15 | 132322 | 1745 | 64QAM | 1 | 74 | 20.26 | 19.36 | 30 | -10.64 | |
| 10 | 132322 | 1740 | U+QAIVI | 36 | 18 | 19.28 | 18.38 | 30 | -11.62 | |
| | | | | 75 | 0 | 19.29 | 18.39 | 30 | -11.61 | |
| | | | | 1 | 0 | 20.28 | 19.38 | 30 | -10.62 | |
| | 132597 | 1772.5 | 640AM | 1 | 74 | 20.30 | 19.40 | 30 | -10.6 | |
| | 132371 | 1772.5 | | 36 | 18 | 19.43 | 18.53 | 30 | -11.47 | |
| | | | | 75 | 0 | 19.36 | 18.46 | 30 | -11.54 | |

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Antenna gain (dBi) -0.9

| | | 1.75 | Daniel (| - I - C | | | 4700 NELL | | | |
|-------------|---------------|--------------------|---------------|------------|--------------|-------------------------------|--------------------------|------------------------|----------------|--------|
| | | LIE | Band 66_Uplin | nk trequ | uency b | | | | | |
| BW (MHz) | UL Channel | Frequency (MHz) | Modulation | RB Size | RB Offset | Conducted Average (dBm) | EIRP Average (dBm) | EIRP Limit (dBm) | Margin (dB) | |
| | | | | 1 | 0 | 22.45 | 21.55 | 30 | -8.45 | |
| | 132072 | 1720 | QPSK | 1 | 99 | 22.34 | 21.44 | 30 | -8.56 | |
| | 132072 | 1720 | QF 3K | 50 | 25 | 21.40 | 20.50 | 30 | -9.5 | |
| | | | | 100 | 0 | 21.27 | 20.37 | 30 | -9.63 | |
| | | | | 1 | 0 | 22.29 | 21.39 | 30 | -8.61 | |
| 20 | 132322 | 1745 | QPSK | 1 | 99 | 22.27 | 21.37 | 30 | -8.63 | |
| 20 | 132322 | 1745 | QF 3K | 50 | 25 | 21.36 | 20.46 | 30 | -9.54 | |
| | | | | 100 | 0 | 21.42 | 20.52 | 30 | -9.48 | |
| | | | | 1 | 0 | 22.23 | 21.33 | 30 | -8.67 | |
| | 132572 | 1770 | QPSK | 1 | 99 | 22.30 | 21.40 | 30 | -8.6 | |
| | 132372 | 1770 | UPSK | 50 | 25 | 21.35 | 20.45 | 30 | -9.55 | |
| | | | | 100 | 0 | 21.39 | 20.49 | 30 | -9.51 | |
| | | | | 1 | 0 | 21.40 | 20.50 | 30 | -9.5 | |
| | 132072 | 1720 | 16QAM | 1 | 99 | 21.32 | 20.42 | 30 | -9.58 | |
| | 132072 | 132072 1720 | 1720 | TOQAW | 50 | 25 | 20.32 | 19.42 | 30 | -10.58 |
| | | | | 100 | 0 | 20.34 | 19.44 | 30 | -10.56 | |
| | | 2 1745 | | 1 | 0 | 21.40 | 20.50 | 30 | -9.5 | |
| 20 | 132322 | | 16QAM | 1 | 99 | 21.34 | 20.44 | 30 | -9.56 | |
| 20 | 132322 | 1743 | TOQAW | 50 | 25 | 20.28 | 19.38 | 30 | -10.62 | |
| | | | | 100 | 0 | 20.42 | 19.52 | 30 | -10.48 | |
| | | | | 1 | 0 | 21.32 | 20.42 | 30 | -9.58 | |
| | 132572 | 1770 | 16QAM | 1 | 99 | 21.31 | 20.41 | 30 | -9.59 | |
| | 132372 | 1770 | TOQAW | 50 | 25 | 20.43 | 19.53 | 30 | -10.47 | |
| | | | | 100 | 0 | 20.27 | 19.37 | 30 | -10.63 | |
| _ | | | | 1 | 0 | 20.33 | 19.43 | 30 | -10.57 | |
| | 122072 | 1720 | 640011 | 1 | 99 | 20.32 | 19.42 | 30 | -10.58 | |
| | 132072 | 1720 | 64QAM | 50 | 25 | 19.25 | 18.35 | 30 | -11.65 | |
| | | | | 100 | 0 | 19.36 | 18.46 | 30 | -11.54 | |
| | | | | 1 | 0 | 20.32 | 19.42 | 30 | -10.58 | |
| 20 | 132322 | 1745 | 64QAM | 1 | 99 | 20.26 | 19.36 | 30 | -10.64 | |
| 20 | 132322 | 1740 | U4QAIVI | 50 | 25 | 19.43 | 18.53 | 30 | -11.47 | |
| | | | | 100 | 0 | 19.25 | 18.35 | 30 | -11.65 | |
| | | | | 1 | 0 | 20.28 | 19.38 | 30 | -10.62 | |
| | 132572 | 1770 | 64QAM | 1 | 99 | 20.24 | 19.34 | 30 | -10.66 | |
| | 132372 | 1770 | U4QAIVI | 50 | 25 | 19.28 | 18.38 | 30 | -11.62 | |
| | | | | 100 | 0 | 19.32 | 18.42 | 30 | -11.58 | |

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OCCUPIED BANDWIDTH MEASUREMENT

| LTE BAND 2 Channel bandwidth: 1.4MHz | | | | | | | | | | |
|--------------------------------------|-------|--------|------------------------------------------------------|-------|------|-------|-------|--|--|--|
| Fred 99% RW (MHz) 26 dR RW (MHz) | | | | | | | | | | |
| (MHz) | CH | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | |
| 1850.7 | 18607 | 1.0925 | 1.0925 1.0932 1.0950 1.355 1.384 1.33 | | | | | | | |
| 1880.0 | 18900 | 1.0889 | 1.0889 1.0950 1.0924 1.346 1.479 1.377 | | | | | | | |
| 1909.3 | 19193 | 1.0911 | 1.0911 1.0979 1.0949 1.370 1.431 1.322 | | | | | | | |

| | LTE DAND 2 Channel bondwidth: FMI In | | | | | | | | | | |
|--------|--------------------------------------|-------------------------------------------------------------------|------------------------------------------------------|-------|------|-------|-------|--|--|--|--|
| | LTE BAND 2 Channel bandwidth: 5MHz | | | | | | | | | | |
| Freq. | CH 99% BW (MHz) 26 dB BW (MHz) | | | | | | | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 1852.5 | 18625 | 4.4883 | 4.4883 4.4939 4.5022 5.045 5.039 5 | | | | | | | | |
| 1880.0 | 18900 | 4.4981 | 4.4981 4.4998 4.4851 5.087 5.053 5.066 | | | | | | | | |
| 1907.5 | 19175 | 19175 4.5006 4.4932 4.5061 4.989 5.087 5.043 | | | | | | | | | |

| | LTE BAND 2 Channel bandwidth: 15MHz | | | | | | | | | |
|--------|------------------------------------------------------------|--------------|------------|-------------|------------|----------------|--------|--|--|--|
| Freq. | СН | 99% BW (MHz) | | | 26 | 26 dB BW (MHz) | | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | |
| 1857.5 | 18675 | 13.4850 | 13.4700 | 13.4650 | 14.720 | 14.850 | 14.790 | | | |
| 1880.0 | 18900 | 13.4900 | 13.4800 | 13.4640 | 14.860 | 14.720 | 14.760 | | | |
| 1902.5 | 19125 | 19125 | | | | | | | | |
| | | LTE BAN | D 4 Channe | el bandwidt | th: 1.4MHz | | | | | |
| Freq. | СН | 99 | % BW (MH | lz) | 26 | dB BW (M | Hz) | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | |
| 1710.7 | 19957 | 1.0887 | 1.0987 | 1.0886 | 1.357 | 1.422 | 1.343 | | | |
| 1732.5 | 20175 | 1.0870 | 1.0953 | 1.0940 | 1.320 | 1.396 | 1.355 | | | |
| 1754.3 | 20393 1.0911 1.0990 1.0920 1.329 1.502 1.337 | | | | | | | | | |

| | LTE BAND 4 Channel bandwidth: 5MHz | | | | | | | | | | |
|--------|------------------------------------|-----------------------------------------------------|-----------------------------|-------|-------|--|--|--|--|--|--|
| Freq. | СН | 99% BW (MHz) 26 dB BW (MHz) | | | | | | | | | |
| (MHz) | СП | QPSK | QPSK 16QAM 64QAM QPSK 16QAM | | | | | | | | |
| 1712.5 | 19975 | 4.4880 | 4.5013 | 5.067 | 5.082 | | | | | | |
| 1732.5 | 20175 | 4.5010 4.4882 4.4867 5.109 5.052 5.08 | | | | | | | | | |
| 1752.5 | 20375 | 4.4925 4.4898 4.5009 5.074 5.041 5.061 | | | | | | | | | |

| | | LTE BAN | ID 4 Chann | el bandwid | th: 15MHz | | | |
|--------|-------|--------------|------------|------------|------------|----------------|--------|--|
| Freq. | СН | 99% BW (MHz) | | | 26 | 26 dB BW (MHz) | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | |
| 1717.5 | 20025 | 13.4890 | 13.4580 | 13.4970 | 14.830 | 14.700 | 14.860 | |
| 1732.5 | 20175 | 13.4600 | 13.4500 | 13.4790 | 14.830 | 14.630 | 14.750 | |
| 1747.5 | 20325 | 13.4580 | 13.5000 | 13.4560 | 14.660 | 14.890 | 14.690 | |
| | | LTE BAN | D 5 Channe | el bandwid | th: 1.4MHz | | | |
| Freq. | CH | 99 | % BW (MH | z) | 26 | dB BW (MI | Hz) | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | |
| 824.7 | 20407 | 1.0891 | 1.0949 | 1.0917 | 1.321 | 1.336 | 1.326 | |
| 836.5 | 20525 | 1.0897 | 1.0971 | 1.0938 | 1.317 | 1.358 | 1.364 | |
| 848.3 | 20643 | 1.0872 | 1.0932 | 1.0901 | 1.311 | 1.335 | 1.328 | |

| LTE BAND 5 Channel bandwidth: 5MHz | | | | | | | | | | |
|------------------------------------|-------|--------|----------|--------|----------------|-------|-------|--|--|--|
| Freq. | СН | 99 | % BW (MF | lz) | 26 dB BW (MHz) | | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | |
| 826.5 | 20425 | 4.4868 | 4.4840 | 4.4881 | 4.999 | 5.022 | 5.056 | | | |
| 836.5 | 20525 | 4.4881 | 4.4904 | 4.4947 | 5.045 | 5.065 | 5.062 | | | |
| 846.5 | 20625 | 4.4933 | 4.4884 | 4.5094 | 5.096 | 5.011 | 5.019 | | | |

| LTE BAND 2 Channel bandwidth: 3MHz | | | | | | | | | | |
|------------------------------------|------------------------------------------------------------|--------|----------|--------|----------------|-------|-------|--|--|--|
| Freq. | СН | 99 | % BW (MF | łz) | 26 dB BW (MHz) | | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | |
| 1851.5 | 18615 | 2.6964 | 2.6929 | 2.7009 | 3.011 | 3.020 | 3.017 | | | |
| 1880.0 | 18900 | 2.7015 | 2.6961 | 2.7025 | 3.034 | 3.071 | 3.048 | | | |
| 1908.5 | 1908.5 19185 2.6946 2.7011 2.6919 3.010 3.010 3.015 | | | | | | | | | |

| LTE BAND 2 Channel bandwidth: 10MHz | | | | | | | | | | |
|-------------------------------------|---------------------------------------------------------------------|--------|----------|--------|----------------|-------|-------|--|--|--|
| Freq. | СН | 99 | % BW (MH | lz) | 26 dB BW (MHz) | | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | |
| 1855.0 | 18650 | 8.9869 | 8.9864 | 8.9753 | 9.888 | 9.965 | 9.997 | | | |
| 1880.0 | 18900 | 8.9800 | 8.9915 | 10.040 | 9.895 | | | | | |
| 1905.0 | 1905.0 19150 8.9638 8.9710 9.0021 10.080 9.895 10.010 | | | | | | | | | |

| | LTE BAND 2 Channel bandwidth: 20MHz | | | | | | | | | | |
|--------|-------------------------------------|---------|-----------|------------|-----------|-----------|--------|--|--|--|--|
| Freq. | CH | 90 | 9% BW (MI | Hz) | 26 | dB BW (M | Hz) | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 1860.0 | 18700 | 17.9490 | 17.9310 | 17.9490 | 19.670 | 19.530 | 19.630 | | | | |
| 1880.0 | 18900 | 17.9420 | 17.9810 | 17.9330 | 19.730 | 19.680 | 19.600 | | | | |
| 1900.0 | 19100 | 17.8980 | 17.8930 | 17.9100 | 19.570 | 19.520 | 19.300 | | | | |
| | | LTE BA | ND 4 Chan | nel bandwi | dth: 3MHz | | | | | | |
| Freq. | CH | 99 | % BW (MH | lz) | 26 | dB BW (Mł | łz) | | | | |
| (MHz) | CII | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 1711.5 | 19965 | 2.6942 | 2.6949 | 2.6982 | 3.058 | 3.048 | 3.018 | | | | |
| 1732.5 | 20175 | 2.6958 | 2.7016 | 2.6976 | 3.004 | 3.067 | 3.048 | | | | |
| 1753.5 | 20385 | 2.7021 | 2.6963 | 2.6932 | 3.060 | 3.004 | 2.993 | | | | |

| | LTE BAND 4 Channel bandwidth: 10MHz | | | | | | | | | | |
|--------|-------------------------------------|--------|-----------------------------|--------|--------|--------|--------|--|--|--|--|
| Freq. | СН | 99 | 99% BW (MHz) 26 dB BW (MHz) | | | | | | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 1715.0 | 20000 | 8.9846 | 8.9907 | 8.9765 | 9.944 | 10.040 | 10.040 | | | | |
| 1732.5 | 20175 | 8.9810 | 8.9914 | 8.9919 | 9.989 | 10.040 | 9.809 | | | | |
| 1750.0 | 20350 | 8.9605 | 8.9883 | 8.9806 | 10.030 | 9.894 | 9.852 | | | | |

| | LTE BAND 4 Channel bandwidth: 20MHz | | | | | | | | | | |
|--------|-------------------------------------|---------|-----------|------------|----------------|-----------|--------|--|--|--|--|
| Freq. | CH | 99 | % BW (MF | lz) | 26 | dB BW (MI | łz) | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 1720.0 | 20050 | 17.9780 | 17.9440 | 17.9420 | 19.650 | 19.440 | 19.500 | | | | |
| 1732.5 | 20175 | 17.8840 | 17.9020 | 17.8980 | 19.710 | 19.530 | 19.530 | | | | |
| 1745.0 | 20300 | 17.9390 | 17.9310 | 17.9430 | 19.680 | 19.410 | 19.590 | | | | |
| | | LTE BA | ND 5 Chan | nel bandwi | dth: 3MHz | | | | | | |
| Freq. | CH | 9 | 9% BW (MI | Hz) | 26 dB BW (MHz) | | | | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 825.5 | 20415 | 2.6885 | 2.6949 | 2.6954 | 3.038 | 3.019 | 2.994 | | | | |
| 836.5 | 20525 | 2.6924 | 2.6972 | 2.7021 | 3.053 | 3.036 | 3.036 | | | | |
| 847.5 | 20635 | 2.7014 | 2.6922 | 2.6953 | 3.002 | 3.015 | 3.006 | | | | |

| LTE BAND 5 Channel bandwidth: 10MHz | | | | | | | | | | | |
|-------------------------------------|-------|--------------|--------|--------|----------------|-------|-------|--|--|--|--|
| Freq. | СН | 99% BW (MHz) | | | 26 dB BW (MHz) | | | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 829.0 | 20450 | 8.9596 | 8.9994 | 8.9776 | 9.961 | 9.742 | 9.999 | | | | |
| 836.5 | 20525 | 8.9988 | 8.9928 | 9.0007 | 9.917 | 9.909 | 9.958 | | | | |
| 844.0 | 20600 | 8.9685 | 8.9497 | 8.9616 | 9.926 | 9.912 | 9.838 | | | | |

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| | LTE BAND 7 Channel bandwidth: 5MHz | | | | | | | | | | |
|----|------------------------------------|-------|--------|-----------|--------|----------------|-------|-------|--|--|--|
| F | req. | СН | 99 | 9% BW (MH | lz) | 26 dB BW (MHz) | | | | | |
| (N | ЛHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | |
| 25 | 02.5 | 20775 | 4.4840 | 4.4832 | 4.4807 | 5.141 | 5.036 | 5.077 | | | |
| 25 | 35.0 | 21100 | 4.4911 | 4.4829 | 4.4874 | 5.135 | 5.094 | 5.093 | | | |
| 25 | 67.5 | 21425 | 4.4890 | 4.4748 | 5.083 | 5.070 | | | | | |

| | LTE BAND 7 Channel bandwidth: 15MHz | | | | | | | | | | |
|--------|-------------------------------------|---------|------------|------------|----------------|-----------|--------|--|--|--|--|
| Freq. | СН | 99 | 9% BW (MF | łz) | 26 dB BW (MHz) | | | | | | |
| (MHz) | | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 2507.5 | 20825 | 13.4700 | 13.4570 | 13.4330 | 14.750 | 14.710 | 14.760 | | | | |
| 2535.0 | 21100 | 13.4590 | 13.4060 | 13.4570 | 14.700 | 14.910 | 14.720 | | | | |
| 2562.5 | 21375 | 13.4560 | 13.4600 | 13.3960 | 14.810 | 14.840 | 14.800 | | | | |
| | | LTE BAN | D 12 Chanr | el bandwic | Ith: 1.4MHz | <u>'</u> | | | | | |
| Freq. | CH | 99 | % BW (MF | lz) | 26 | dB BW (MI | Hz) | | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 699.7 | 23017 | 1.0896 | 1.0932 | 1.0920 | 1.300 | 1.381 | 1.348 | | | | |
| 707.5 | 23095 | 1.0894 | 1.0956 | 1.0934 | 1.332 | 1.329 | 1.298 | | | | |
| 715.3 | 23173 | 1.0887 | 1.0929 | 1.0936 | 1.302 | 1.339 | 1.317 | | | | |

| | LTE BAND 12 Channel bandwidth: 5MHz | | | | | | | | | | |
|--------------------------------------|-------------------------------------|---------|------------|------------|-----------|----------------|-------|--|--|--|--|
| Freq. | CH | 99 | % BW (MF | lz) | 26 | 26 dB BW (MHz) | | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 701.5 | 23035 | 4.4902 | 4.4768 | 4.4872 | 5.105 | 5.047 | 5.050 | | | | |
| 707.5 | 23095 | 4.4863 | 4.4917 | 4.5016 | 5.126 | 5.042 | 5.036 | | | | |
| 713.5 | 23155 | 4.4950 | 4.4924 | 4.4880 | 5.085 | 5.082 | 5.093 | | | | |
| LTE BAND 13 Channel bandwidth: 5MHz | | | | | | | | | | | |
| Freq. CH 99% BW (MHz) 26 dB BW (MHz) | | | | | | | | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 779.5 | 23205 | 4.4993 | 4.4922 | 4.4803 | 5.070 | 5.012 | 4.992 | | | | |
| 782.0 | 23230 | 4.4968 | 4.4843 | 4.4735 | 5.008 | 5.057 | 5.049 | | | | |
| 784.5 | 23255 | 4.5030 | 4.5019 | 4.5067 | 5.107 | 5.175 | 5.087 | | | | |
| | | LTE BAN | ND 17 Chan | nel bandwi | dth: 5MHz | | | | | | |
| Freq. | CH | 99 | % BW (MF | lz) | 26 | dB BW (M | Hz) | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 706.5 | 23755 | 4.4963 | 4.5005 | 4.4900 | 5.021 | 5.049 | 5.055 | | | | |
| 710.0 | 23790 | 4.4927 | 4.4977 | 4.4929 | 5.006 | 5.043 | 5.052 | | | | |
| 713.5 | 23825 | 4.5029 | 4.4916 | 4.4949 | 5.098 | 5.089 | 5.103 | | | | |
| | | LTE BAN | ID 38 Chan | nel bandwi | dth: 5MHz | | | | | | |
| Freq. | CH | 99 | 9% BW (MF | łz) | 26 | dB BW (M | Hz) | | | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 2572.5 | 37775 | 4.4864 | 4.4863 | 4.4843 | 5.104 | 5.090 | 5.359 | | | | |
| 2595.0 | 38000 | 4.4886 | 4.4887 | 4.4840 | 5.136 | 5.057 | 5.112 | | | | |
| 2617.5 | 38225 | 4.4916 | 4.4822 | 4.4825 | 5.165 | 5.116 | 5.049 | | | | |

| | | LTE DAN | LTE BAND 38 Channel bandwidth: 15MHz | | | | | | | | | |
|-------------------------------------|-------|---------|--------------------------------------|-------------|------------|----------|--------|--|--|--|--|--|
| | | | | | ith: 15MHz | | | | | | | |
| Freq. | СН | 99 | 9% BW (MF | łz) | 26 | dB BW (M | Hz) | | | | | |
| (MHz) | OH | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | | |
| 2577.5 | 37825 | 13.4340 | 13.4730 | 13.4820 | 14.740 | 14.660 | 14.740 | | | | | |
| 2595.0 | 38000 | 13.4320 | 13.4750 | 13.4640 | 14.800 | 14.930 | 15.530 | | | | | |
| 2612.5 | 38175 | 13.4330 | 13.4380 | 13.4560 | 14.670 | 14.840 | 15.300 | | | | | |
| LTE BAND 41 Channel bandwidth: 5MHz | | | | | | | | | | | | |
| Freq. | CH | 99 | % BW (MH | b) | 26 | dB BW (M | Hz) | | | | | |
| (MHz) | Cn | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | | |
| 2498.5 | 39675 | 4.4784 | 4.4848 | 4.4873 | 5.290 | 5.039 | 5.210 | | | | | |
| 2593.0 | 40620 | 4.4879 | 4.4872 | 4.4876 | 5.112 | 5.106 | 5.299 | | | | | |
| 2687.5 | 41565 | 4.4812 | 4.4782 | 4.4866 | 4.954 | 5.207 | 5.274 | | | | | |
| | | LTE BAN | D 41 Chanr | nel bandwid | dth: 15MHz | | | | | | | |
| Freq. | CH | 99 | % BW (MH | b) | 26 | dB BW (M | Hz) | | | | | |
| (MHz) | CH | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | | |
| 2503.5 | 39725 | 13.4330 | 13.4330 | 13.4470 | 14.680 | 14.770 | 14.760 | | | | | |
| 2593.0 | 40620 | 13.4680 | 13.4620 | 13.4480 | 14.810 | 14.960 | 14.690 | | | | | |
| 2682.5 | 41515 | 13.4730 | 13.4500 | 13.4330 | 14.620 | 14.460 | 14.690 | | | | | |
| | | | | | | | | | | | | |

| | LTE BAND 7 Channel bandwidth: 10MHz | | | | | | | | | | |
|--------|-------------------------------------|--------|-----------|--------|----------------|-------|-------|--|--|--|--|
| Freq. | СН | 99 | 9% BW (MF | łz) | 26 dB BW (MHz) | | | | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | | | |
| 2505.0 | 20800 | 8.9638 | 8.9520 | 8.9692 | 10.010 | 9.821 | 9.936 | | | | |
| 2535.0 | 21100 | 8.9460 | 8.9754 | 8.9744 | 9.939 | 9.847 | 9.829 | | | | |
| 2565.0 | 21400 | 8.9713 | 8.9541 | 8.9683 | 9.901 | 9.819 | 9.937 | | | | |

| LTE BAND 7 Channel bandwidth: 20MHz | | | | | | | | | |
|-------------------------------------|-------|---------|------------|------------|----------------|----------------|--------|--|--|
| Freq. | CH | 99 | % BW (MH | z) | 26 | 26 dB BW (MHz) | | | |
| (MHz) | G | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | |
| 2510.0 | 20850 | 17.8980 | 17.9580 | 17.9160 | 19.350 | 19.630 | 19.500 | | |
| 2535.0 | 21100 | 17.9340 | 17.9330 | 17.9390 | 19.580 | 19.500 | 19.430 | | |
| 2560.0 | 21350 | 17.9010 | 17.9210 | 17.9110 | 19.430 | 19.340 | 19.430 | | |
| | | LTE BAI | ND 12 Char | nnel bandw | idth: 3MHz | | | | |
| Freq. | CH | 91 | 9% BW (MI | Hz) | 26 dB BW (MHz) | | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | |
| 700.5 | 23025 | 2.6955 | 2.6930 | 2.6975 | 3.013 | 3.020 | 3.041 | | |
| 707.5 | 23095 | 2.6971 | 2.6954 | 2.6945 | 2.983 | 2.987 | 3.024 | | |
| 714.5 | 23165 | 2.7009 | 2.7011 | 2.6964 | 2.984 | 3.040 | 3.005 | | |

| LTE BAND 12 Channel bandwidth: 10MHz | | | | | | | | |
|--------------------------------------|-------|---------|------------|------------|------------|----------------|--------|--|
| Freq. | СН | 90 | 9% BW (MI | Hz) | 26 | 26 dB BW (MHz) | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | |
| 704.0 | 23060 | 8.9583 | 8.9562 | 8.9588 | 9.912 | 9.858 | 9.888 | |
| 707.5 | 23095 | 8.9636 | 8.9776 | 8.9775 | 9.886 | 9.867 | 9.839 | |
| 711.0 | 23130 | 9.0146 | 9.0070 | 8.9968 | 9.971 | 9.936 | 10.060 | |
| | | LTE BAN | D 13 Chani | nel bandwi | dth: 10MHz | | | |
| Freq. | CH | 99 | % BW (MH | z) | 26 | dB BW (MI | Hz) | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | |
| 782.0 | 23230 | 8.9541 | 8.9546 | 8.9734 | 10.030 | 9.854 | 9.801 | |

| LTE BAND 17 Channel bandwidth: 10MHz | | | | | | | | | |
|--------------------------------------|-------|---------|------------|------------|----------------|----------|--------|--|--|
| Freq. | CH | 9 | 9% BW (MI | Hz) | 26 | dB BW (M | Hz) | | |
| (MHz) | СП | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | |
| 709.0 | 23780 | 8.9935 | 8.9686 | 9.0222 | 9.892 | 9.935 | 9.925 | | |
| 710.0 | 23790 | 8.9736 | 9.0036 | 8.9753 | 9.872 | 9.987 | 9.825 | | |
| 711.0 | 23800 | 8.9801 | 8.9974 | 9.0048 | 10.010 | 10.050 | 9.979 | | |
| | | LTE BAN | ID 38 Chan | nel bandwi | dth: 10MHz | | | | |
| Freq. | СН | 99 | % BW (MF | lz) | 26 dB BW (MHz) | | | | |
| (MHz) | CII | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | |
| 2575.0 | 37800 | 8.9661 | 8.9576 | 8.9629 | 10.090 | 10.090 | 9.920 | | |
| 2595.0 | 38000 | 8.9803 | 8.9724 | 8.9957 | 9.967 | 10.030 | 10.450 | | |
| 2615.0 | 38200 | 8.9969 | 8.9569 | 8.9641 | 9.820 | 10.100 | 10.010 | | |

| | | LTE BAN | ID 38 Chan | nel bandwi | dth: 20MHz | | | |
|--------------------------------------|-------|---------|--------------|------------|----------------|----------|--------|--|
| Freq. | CH | 99 | % BW (MH | lz) | 26 dB BW (MHz) | | | |
| (MHz) | CII | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | |
| 2580.0 | 37850 | 17.9260 | 17.9240 | 17.9410 | 20.060 | 19.480 | 19.160 | |
| 2595.0 | 38000 | 17.9000 | 17.9090 | 17.9730 | 20.090 | 20.120 | 19.440 | |
| 2610.0 | 38150 | 17.8810 | 17.9450 | 17.9260 | 19.820 | 19.280 | 20.060 | |
| LTE BAND 41 Channel bandwidth: 10MHz | | | | | | | | |
| Freq. | CH | 99 | 99% BW (MHz) | | 26 dB BW (MHz) | | | |
| (MHz) | Un Un | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | |
| 2501.0 | 39700 | 8.9578 | 8.9551 | 8.9863 | 10.240 | 10.490 | 9.882 | |
| 2593.0 | 40620 | 8.9543 | 8.9817 | 8.9676 | 10.030 | 10.710 | 9.810 | |
| 2685.0 | 41540 | 8.9852 | 8.9591 | 8.9680 | 9.968 | 9.883 | 9.858 | |
| | | LTE BAN | ID 41 Chan | nel bandwi | dth: 20MHz | | | |
| Freq. | - AL | 99 | 9% BW (MI | ·뉟) | 26 | dB BW (M | Hz) | |
| (MHz) | CH | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | |
| 2506.0 | 39750 | 17.9490 | 17.9080 | 17.8720 | 20.820 | 19.540 | 20.390 | |
| 2593.0 | 40620 | 17.9010 | 17.9220 | 17.9410 | 19.610 | 19.500 | 19.440 | |
| 2680.0 | 41490 | 17.9210 | 17.9110 | 17.8980 | 19.340 | 20.660 | 20.100 | |

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| LTE BAND 66 Channel bandwidth: 1.4MHz | | | | | | | | |
|---------------------------------------|--------|--------|--------------|--------|----------------|-------|-------|--|
| Freq. | СН | 99 | 99% BW (MHz) | | 26 dB BW (MHz) | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | |
| 1710.7 | 131979 | 1.0885 | 1.0921 | 1.0902 | 1.316 | 1.365 | 1.368 | |
| 1745.0 | 132322 | 1.0885 | 1.0955 | 1.0873 | 1.299 | 1.438 | 1.324 | |
| 1779.3 | 132665 | 1.0925 | 1.0958 | 1.0934 | 1.360 | 1.333 | 1.327 | |

| LTE BAND 66 Channel bandwidth: 5MHz | | | | | | | | |
|-------------------------------------|--------|--------------|--------|--------|----------------|-------|-------|--|
| Freq. | СН | 99% BW (MHz) | | | 26 dB BW (MHz) | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | |
| 1712.5 | 131997 | 4.4890 | 4.4819 | 4.4853 | 5.094 | 5.086 | 5.013 | |
| 1745.0 | 132322 | 4.4948 | 4.4810 | 4.4845 | 5.061 | 5.076 | 5.023 | |
| 1777.5 | 132647 | 4.4975 | 4.4855 | 4.4855 | 5.102 | 5.102 | 5.038 | |

| | LTE BAND 66 Channel bandwidth: 15MHz | | | | | | | | |
|-----------------------|--------------------------------------|---------|---------|---------|----------|--------|--------|--|--|
| Freq. CH 99% BW (MHz) | | | | 26 | dB BW (M | Hz) | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | |
| 1717.5 | 132047 | 13.4620 | 13.4810 | 13.4680 | 14.760 | 14.660 | 14.690 | | |
| 1745.0 | 132322 | 13.4710 | 13.4520 | 13.4680 | 14.840 | 14.780 | 14.920 | | |
| 1772.5 | 132597 | 13.4650 | 13.4560 | 13.4790 | 14.850 | 14.800 | 14.720 | | |

| LTE BAND 66 Channel bandwidth: 3MHz | | | | | | | | | |
|-------------------------------------|--------|--------|-----------------------------|--------|-------|-------|-------|--|--|
| Freq. | СН | 99 | 99% BW (MHz) 26 dB BW (MHz) | | | | Hz) | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | |
| 1711.5 | 131987 | 2.6939 | 2.6950 | 2.6971 | 3.012 | 3.021 | 3.029 | | |
| 1745.0 | 132322 | 2.6906 | 2.6972 | 2.6993 | 3.019 | 3.037 | 3.021 | | |
| 1778.5 | 132657 | 2.6930 | 2.7001 | 2.6929 | 3.021 | 3.064 | 3.050 | | |

| LTE BAND 66 Channel bandwidth: 10MHz | | | | | | | | | |
|--------------------------------------|--------|--------|------------------------------------|--------|--------|---------------|-------|--|--|
| Freq. | СН | 99 | 99% BW (MHz) | | | 6 dB BW (MHz) | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | |
| 1715.0 | 132022 | 8.9750 | 9.0101 | 8.9536 | 10.130 | 9.954 | 9.926 | | |
| 1745.0 | 132322 | 8.9909 | 8.9909 8.9862 9.0024 | | | 9.904 | 9.942 | | |
| 1775.0 | 132622 | 8.9752 | 8.9907 | 8.9730 | 9.850 | 9.933 | 9.859 | | |

| LTE BAND 66 Channel bandwidth: 20MHz | | | | | | | | | |
|--------------------------------------|--------|---------|-----------|------------|--------|----------------|--------|--|--|
| Freq. | СН | 99 | 9% BW (MF | % BW (MHz) | | 26 dB BW (MHz) | | | |
| (MHz) | CIT | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | | |
| 1720.0 | 132072 | 17.9620 | 17.9600 | 17.9650 | 19.830 | 19.630 | 19.670 | | |
| 1745.0 | 132322 | 17.9280 | 17.9380 | 17.9120 | 19.550 | 19.520 | 19.560 | | |
| 1770.0 | 132572 | 17.9090 | 17.8940 | 17.8780 | 19.710 | 19.540 | 19.620 | | |

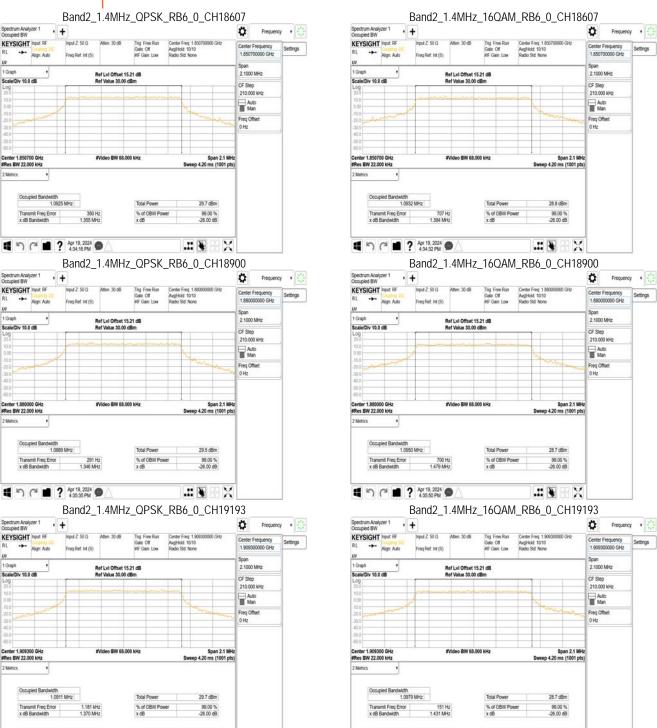
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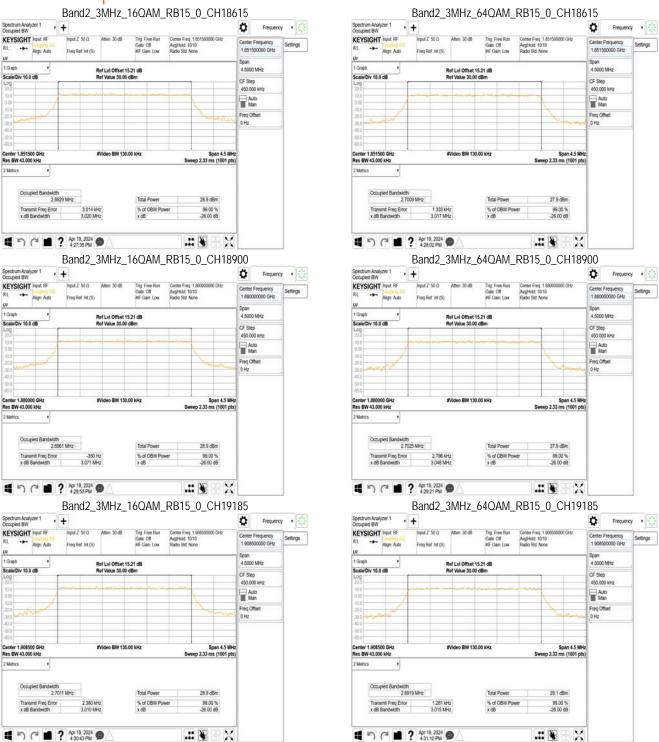
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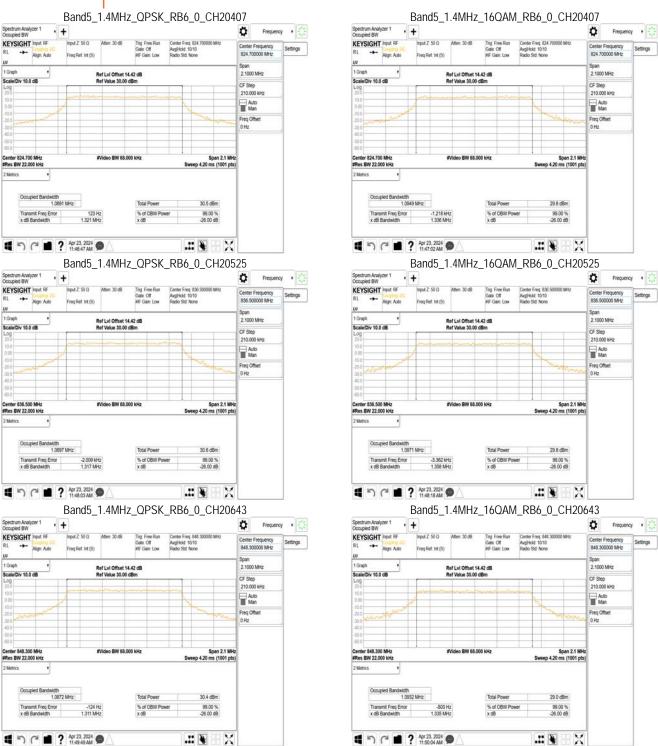
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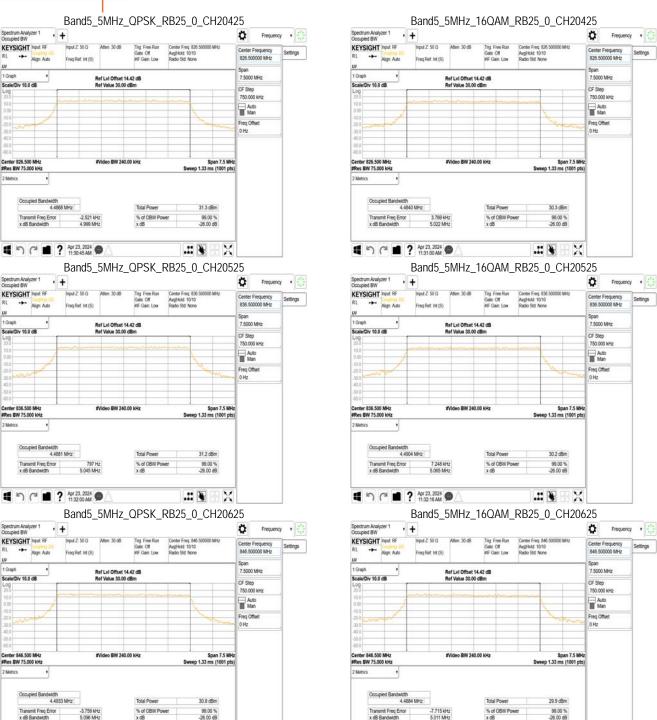
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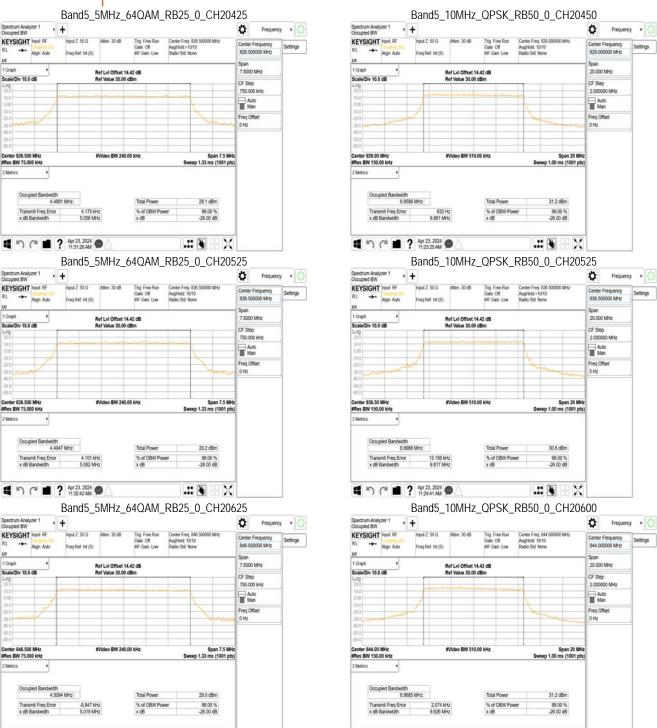
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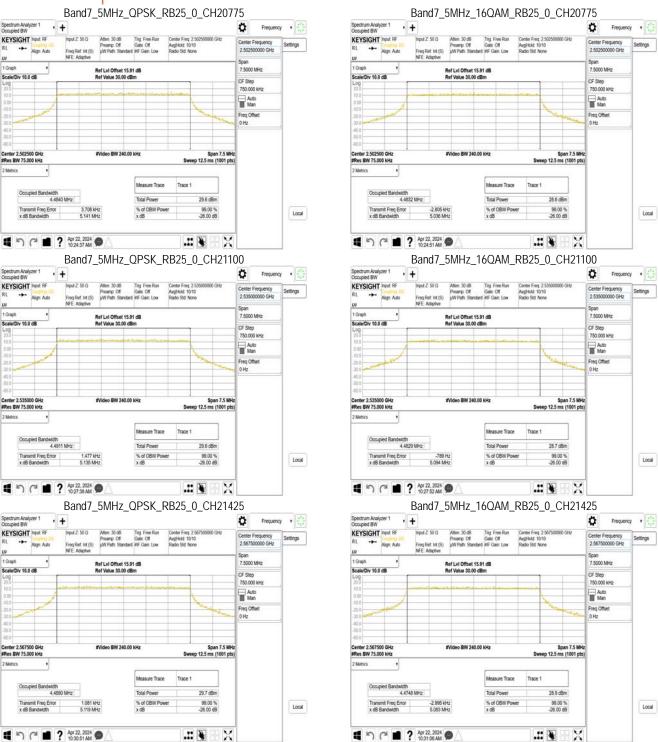
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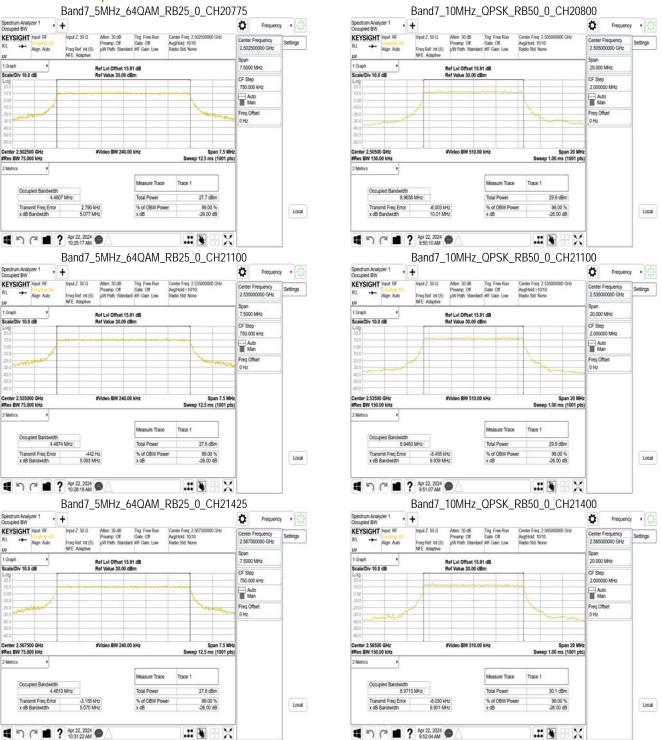
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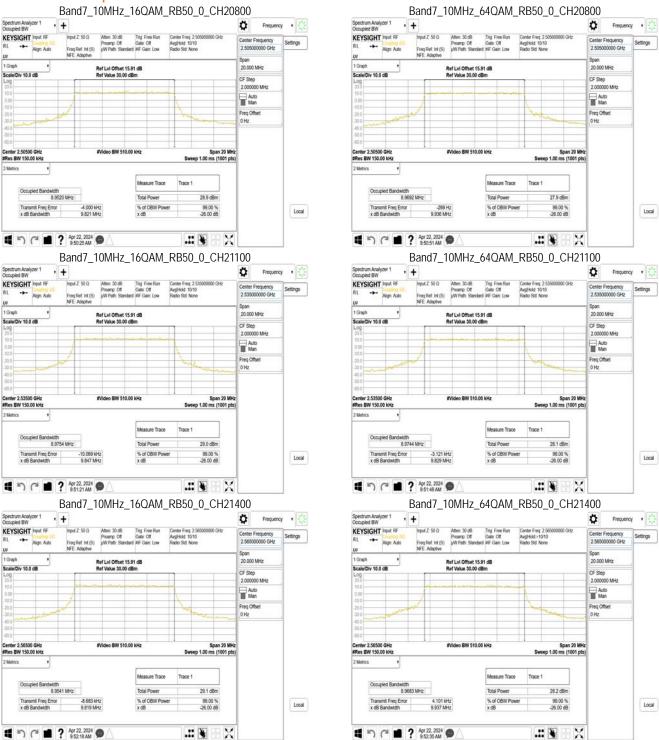
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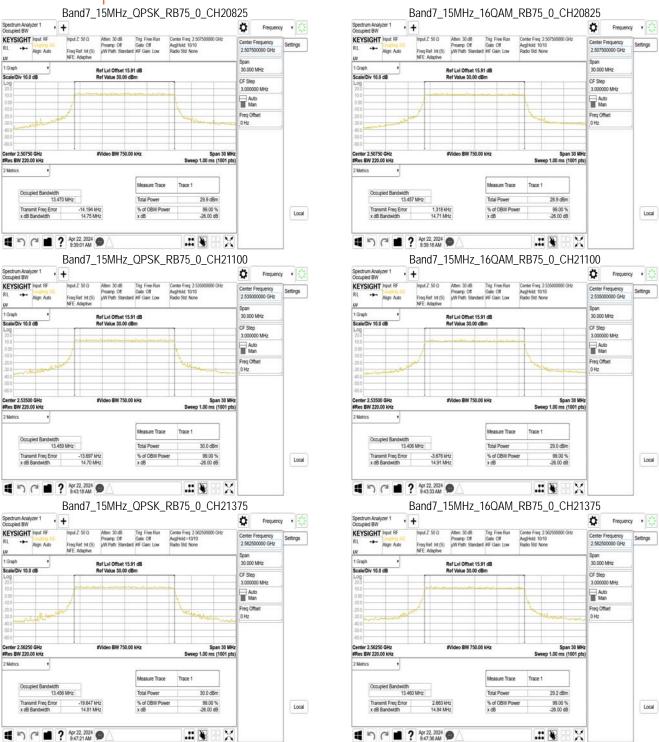
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