



Radiated Spurious Emission



LTE Band 2

| LTE Band 2 / 1.4MHz / QPSK | | | | | | | | | |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3700 | -52.86 | -13 | -39.86 | -71.45 | -59.43 | 1.67 | 8.24 | H |
| | 5555 | -46.64 | -13 | -33.64 | -70.38 | -53.71 | 2.66 | 9.72 | H |
| | 7403 | -46.70 | -13 | -33.70 | -75.24 | -55.85 | 2.46 | 11.61 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3700 | -55.86 | -13 | -42.86 | -74.52 | -62.43 | 1.67 | 8.24 | V |
| | 5555 | -50.56 | -13 | -37.56 | -72.76 | -57.63 | 2.66 | 9.72 | V |
| | 7403 | -47.86 | -13 | -34.86 | -75.85 | -57.01 | 2.46 | 11.61 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 3763 | -49.05 | -13 | -36.05 | -68.24 | -55.68 | 1.69 | 8.32 | H |
| | 5639 | -41.38 | -13 | -28.38 | -65.15 | -48.43 | 2.71 | 9.76 | H |
| | 7522 | -46.62 | -13 | -33.62 | -75.26 | -56.01 | 2.42 | 11.81 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3763 | -51.19 | -13 | -38.19 | -69.78 | -57.82 | 1.69 | 8.32 | V |
| | 5639 | -45.29 | -13 | -32.29 | -67.66 | -52.34 | 2.71 | 9.76 | V |
| | 7522 | -48.07 | -13 | -35.07 | -76.38 | -57.46 | 2.42 | 11.81 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Highest | 3819 | -47.90 | -13 | -34.90 | -69.64 | -54.58 | 1.70 | 8.38 | H |
| | 5730 | -41.10 | -13 | -28.10 | -67.46 | -48.13 | 2.76 | 9.79 | H |
| | 7641 | -42.84 | -13 | -29.84 | -73.57 | -52.34 | 2.38 | 11.88 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3819 | -52.54 | -13 | -39.54 | -73.44 | -59.22 | 1.70 | 8.38 | V |
| | 5730 | -44.40 | -13 | -31.40 | -69.78 | -51.43 | 2.76 | 9.79 | V |
| | 7641 | -44.95 | -13 | -31.95 | -74.99 | -54.45 | 2.38 | 11.88 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 3MHz / QPSK | | | | | | | | | |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3700 | -49.86 | -13 | -36.86 | -68.51 | -56.43 | 1.67 | 8.24 | H |
| | 5548 | -44.45 | -13 | -31.45 | -68.15 | -51.52 | 2.65 | 9.72 | H |
| | 7403 | -43.89 | -13 | -30.89 | -72.73 | -53.04 | 2.46 | 11.61 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3700 | -49.43 | -13 | -36.43 | -67.96 | -56 | 1.67 | 8.24 | V |
| | 5548 | -47.86 | -13 | -34.86 | -69.98 | -54.93 | 2.65 | 9.72 | V |
| | 7403 | -45.54 | -13 | -32.54 | -73.59 | -54.69 | 2.46 | 11.61 | V |
| | | | | | | | | | V |
| | Middle | 3756 | -50.00 | -13 | -37.00 | -69.02 | -56.62 | 1.68 | 8.31 |
| 5639 | | -42.95 | -13 | -29.95 | -66.63 | -50 | 2.71 | 9.76 | H |
| 7515 | | -44.65 | -13 | -31.65 | -73.31 | -54.03 | 2.42 | 11.81 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| 3756 | | -49.70 | -13 | -36.70 | -68.41 | -56.32 | 1.68 | 8.31 | V |
| 5639 | | -44.66 | -13 | -31.66 | -67 | -51.71 | 2.71 | 9.76 | V |
| 7515 | | -46.39 | -13 | -33.39 | -74.81 | -55.77 | 2.42 | 11.81 | V |
| | | | | | | | | | V |
| Highest | | 3812 | -46.15 | -13 | -33.15 | -67.72 | -52.82 | 1.70 | 8.37 |
| | 5723 | -40.47 | -13 | -27.47 | -66.79 | -47.51 | 2.75 | 9.79 | H |
| | 7627 | -41.51 | -13 | -28.51 | -72.07 | -51 | 2.39 | 11.88 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3812 | -44.82 | -13 | -31.82 | -65.51 | -51.49 | 1.70 | 8.37 | V |
| | 5723 | -42.37 | -13 | -29.37 | -67.73 | -49.41 | 2.75 | 9.79 | V |
| | 7627 | -44.52 | -13 | -31.52 | -74.55 | -54.01 | 2.39 | 11.88 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 5MHz / QPSK | | | | | | | | | |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3700 | -49.48 | -13 | -36.48 | -68.12 | -56.05 | 1.67 | 8.24 | H |
| | 5548 | -45.04 | -13 | -32.04 | -68.76 | -52.11 | 2.65 | 9.72 | H |
| | 7403 | -43.48 | -13 | -30.48 | -72.2 | -52.63 | 2.46 | 11.61 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3700 | -48.43 | -13 | -35.43 | -66.96 | -55 | 1.67 | 8.24 | V |
| | 5548 | -48.00 | -13 | -35.00 | -70.15 | -55.07 | 2.65 | 9.72 | V |
| | 7403 | -45.47 | -13 | -32.47 | -73.42 | -54.62 | 2.46 | 11.61 | V |
| | | | | | | | | | V |
| | Middle | 3756 | -50.43 | -13 | -37.43 | -69.48 | -57.05 | 1.68 | 8.31 |
| 5632 | | -44.42 | -13 | -31.42 | -68.07 | -51.47 | 2.70 | 9.75 | H |
| 7515 | | -44.44 | -13 | -31.44 | -72.96 | -53.82 | 2.42 | 11.81 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| 3756 | | -54.51 | -13 | -41.51 | -73.22 | -61.13 | 1.68 | 8.31 | V |
| 5632 | | -48.04 | -13 | -35.04 | -70.1 | -55.09 | 2.70 | 9.75 | V |
| 7515 | | -46.49 | -13 | -33.49 | -74.76 | -55.87 | 2.42 | 11.81 | V |
| | | | | | | | | | V |
| Highest | | 3812 | -46.78 | -13 | -33.78 | -68.23 | -53.45 | 1.70 | 8.37 |
| | 5716 | -40.07 | -13 | -27.07 | -66.39 | -47.11 | 2.75 | 9.79 | H |
| | 7620 | -42.88 | -13 | -29.88 | -73.43 | -52.36 | 2.39 | 11.87 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3812 | -45.22 | -13 | -32.22 | -65.88 | -51.89 | 1.70 | 8.37 | V |
| | 5716 | -42.17 | -13 | -29.17 | -67.29 | -49.21 | 2.75 | 9.79 | V |
| | 7620 | -43.72 | -13 | -30.72 | -73.94 | -53.2 | 2.39 | 11.87 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 10MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3700 | -50.52 | -13 | -37.52 | -69.15 | -57.09 | 1.67 | 8.24 | H |
| | 5555 | -43.24 | -13 | -30.24 | -66.87 | -50.31 | 2.66 | 9.72 | H |
| | 7403 | -43.87 | -13 | -30.87 | -72.72 | -53.02 | 2.46 | 11.61 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3700 | -49.45 | -13 | -36.45 | -68.01 | -56.02 | 1.67 | 8.24 | V |
| | 5555 | -48.52 | -13 | -35.52 | -70.59 | -55.59 | 2.66 | 9.72 | V |
| | 7403 | -46.03 | -13 | -33.03 | -74.08 | -55.18 | 2.46 | 11.61 | V |
| | | | | | | | | | V |
| | Middle | 3749 | -50.53 | -13 | -37.53 | -69.54 | -57.15 | 1.68 | 8.30 |
| 5625 | | -41.37 | -13 | -28.37 | -64.98 | -48.42 | 2.70 | 9.75 | H |
| 7501 | | -44.75 | -13 | -31.75 | -73.58 | -54.12 | 2.43 | 11.80 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| 3749 | | -48.76 | -13 | -35.76 | -67.53 | -55.38 | 1.68 | 8.30 | V |
| 5625 | | -47.34 | -13 | -34.34 | -69.47 | -54.39 | 2.70 | 9.75 | V |
| 7501 | | -46.85 | -13 | -33.85 | -75.32 | -56.22 | 2.43 | 11.80 | V |
| | | | | | | | | | V |
| Highest | | 3805 | -45.75 | -13 | -32.75 | -67.33 | -52.42 | 1.70 | 8.37 |
| | 5702 | -40.99 | -13 | -27.99 | -67.2 | -48.03 | 2.74 | 9.78 | H |
| | 7606 | -43.64 | -13 | -30.64 | -74.17 | -53.11 | 2.40 | 11.86 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3805 | -44.87 | -13 | -31.87 | -65.55 | -51.54 | 1.70 | 8.37 | V |
| | 5702 | -43.51 | -13 | -30.51 | -68.58 | -50.55 | 2.74 | 9.78 | V |
| | 7606 | -46.38 | -13 | -33.38 | -76.29 | -55.85 | 2.40 | 11.86 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 15MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3700 | -49.45 | -13 | -36.45 | -68.1 | -56.02 | 1.67 | 8.24 | H |
| | 5555 | -42.75 | -13 | -29.75 | -66.47 | -49.82 | 2.66 | 9.72 | H |
| | 7403 | -44.40 | -13 | -31.40 | -73.17 | -53.55 | 2.46 | 11.61 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3700 | -52.84 | -13 | -39.84 | -71.34 | -59.41 | 1.67 | 8.24 | V |
| | 5555 | -48.14 | -13 | -35.14 | -70.27 | -55.21 | 2.66 | 9.72 | V |
| | 7403 | -47.14 | -13 | -34.14 | -75.13 | -56.29 | 2.46 | 11.61 | V |
| | | | | | | | | | V |
| | Middle | 3749 | -49.40 | -13 | -36.40 | -68.42 | -56.02 | 1.68 | 8.30 |
| 5618 | | -45.04 | -13 | -32.04 | -68.67 | -52.09 | 2.69 | 9.75 | H |
| 7494 | | -44.89 | -13 | -31.89 | -73.74 | -54.25 | 2.43 | 11.79 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| 3749 | | -53.00 | -13 | -40.00 | -71.73 | -59.62 | 1.68 | 8.30 | V |
| 5618 | | -48.56 | -13 | -35.56 | -70.68 | -55.61 | 2.69 | 9.75 | V |
| 7494 | | -47.28 | -13 | -34.28 | -75.58 | -56.64 | 2.43 | 11.79 | V |
| | | | | | | | | | V |
| Highest | | 3791 | -45.35 | -13 | -32.35 | -66.77 | -52 | 1.70 | 8.35 |
| | 5688 | -41.62 | -13 | -28.62 | -67.91 | -48.66 | 2.73 | 9.78 | H |
| | 7585 | -43.60 | -13 | -30.60 | -74.2 | -53.05 | 2.40 | 11.85 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3791 | -49.20 | -13 | -36.20 | -69.97 | -55.85 | 1.70 | 8.35 | V |
| | 5688 | -43.54 | -13 | -30.54 | -68.68 | -50.58 | 2.73 | 9.78 | V |
| | 7585 | -44.94 | -13 | -31.94 | -75.23 | -54.39 | 2.40 | 11.85 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 2 / 20MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3700 | -50.86 | -13 | -37.86 | -69.4 | -57.43 | 1.67 | 8.24 | H |
| | 5555 | -42.59 | -13 | -29.59 | -66.3 | -49.66 | 2.66 | 9.72 | H |
| | 7403 | -44.31 | -13 | -31.31 | -73.1 | -53.46 | 2.46 | 11.61 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3700 | -54.25 | -13 | -41.25 | -72.82 | -60.82 | 1.67 | 8.24 | V |
| | 5555 | -47.77 | -13 | -34.77 | -69.97 | -54.84 | 2.66 | 9.72 | V |
| | 7403 | -46.95 | -13 | -33.95 | -75.04 | -56.1 | 2.46 | 11.61 | V |
| | | | | | | | | | V |
| | Middle | 3742 | -46.70 | -13 | -33.70 | -65.79 | -53.31 | 1.68 | 8.29 |
| 5611 | | -46.02 | -13 | -33.02 | -69.53 | -53.08 | 2.69 | 9.74 | H |
| 7487 | | -45.64 | -13 | -32.64 | -74.36 | -54.98 | 2.43 | 11.77 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| 3742 | | -51.79 | -13 | -38.79 | -70.39 | -58.4 | 1.68 | 8.29 | V |
| 5611 | | -50.16 | -13 | -37.16 | -72.04 | -57.22 | 2.69 | 9.74 | V |
| 7487 | | -46.68 | -13 | -33.68 | -75.09 | -56.02 | 2.43 | 11.77 | V |
| | | | | | | | | | V |
| Highest | | 3784 | -46.59 | -13 | -33.59 | -68.05 | -53.24 | 1.69 | 8.34 |
| | 5674 | -42.96 | -13 | -29.96 | -66.19 | -50 | 2.73 | 9.77 | H |
| | 7564 | -43.56 | -13 | -30.56 | -74.23 | -52.99 | 2.41 | 11.84 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 3784 | -50.82 | -13 | -37.82 | -71.54 | -57.47 | 1.69 | 8.34 | V |
| | 5674 | -43.35 | -13 | -30.35 | -68.17 | -50.39 | 2.73 | 9.77 | V |
| | 7564 | -45.20 | -13 | -32.20 | -75.41 | -54.63 | 2.41 | 11.84 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 5

| LTE Band 5 / 1.4MHz / QPSK | | | | | | | | | | |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|---|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) | |
| Lowest | 1648 | -66.01 | -13 | -53.01 | -74.63 | -67.77 | 0.98 | 4.89 | H | |
| | 2473 | -64.07 | -13 | -51.07 | -76.13 | -65.96 | 1.28 | 5.32 | H | |
| | 3298 | -61.08 | -13 | -48.08 | -76.63 | -64.5 | 1.54 | 7.11 | H | |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | 1648 | -68.10 | -13 | -55.10 | -74.73 | -69.86 | 0.98 | 4.89 | V | |
| | 2473 | -61.82 | -13 | -48.82 | -76.06 | -63.71 | 1.28 | 5.32 | V | |
| | 3298 | -62.07 | -13 | -49.07 | -76.53 | -65.49 | 1.54 | 7.11 | V | |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| Middle | 1672 | -66.28 | -13 | -53.28 | -74.63 | -67.96 | 0.99 | 4.82 | H | |
| | 2506 | -63.65 | -13 | -50.65 | -75.95 | -65.61 | 1.29 | 5.40 | H | |
| | 3343 | -61.22 | -13 | -48.22 | -76.46 | -64.82 | 1.56 | 7.31 | H | |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | 1672 | -68.41 | -13 | -55.41 | -74.61 | -70.09 | 0.99 | 4.82 | V | |
| | 2506 | -61.67 | -13 | -48.67 | -76.04 | -63.63 | 1.29 | 5.40 | V | |
| | 3343 | -62.22 | -13 | -49.22 | -76.46 | -65.82 | 1.56 | 7.31 | V | |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| Highest | 1699 | -65.04 | -13 | -52.04 | -73.52 | -66.63 | 1.00 | 4.74 | H | |
| | 2548 | -61.10 | -13 | -48.10 | -73.83 | -63.08 | 1.31 | 5.44 | H | |
| | 3394 | -61.06 | -13 | -48.06 | -76.48 | -64.87 | 1.57 | 7.53 | H | |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | 1699 | -65.51 | -13 | -52.51 | -72.27 | -67.1 | 1.00 | 4.74 | V | |
| | 2548 | -59.75 | -13 | -46.75 | -74.14 | -61.73 | 1.31 | 5.44 | V | |
| | 3394 | -61.42 | -13 | -48.42 | -76.28 | -65.23 | 1.57 | 7.53 | V | |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 5 / 3MHz / QPSK | | | | | | | | | |
|--------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1648 | -66.00 | -13 | -53.00 | -74.62 | -67.76 | 0.98 | 4.89 | H |
| | 2473 | -64.12 | -13 | -51.12 | -76.18 | -66.01 | 1.28 | 5.32 | H |
| | 3295 | -60.98 | -13 | -47.98 | -76.53 | -64.39 | 1.54 | 7.10 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1648 | -68.08 | -13 | -55.08 | -74.71 | -69.84 | 0.98 | 4.89 | V |
| | 2476 | -57.29 | -13 | -44.29 | -71.53 | -59.18 | 1.28 | 5.33 | V |
| | 3295 | -62.05 | -13 | -49.05 | -76.51 | -65.46 | 1.54 | 7.10 | V |
| | | | | | | | | | V |
| | Middle | 1669 | -66.43 | -13 | -53.43 | -74.92 | -68.12 | 0.99 | 4.83 |
| 2506 | | -63.71 | -13 | -50.71 | -75.91 | -65.67 | 1.29 | 5.40 | H |
| 3340 | | -61.58 | -13 | -48.58 | -76.42 | -65.17 | 1.55 | 7.30 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| 1669 | | -68.42 | -13 | -55.42 | -74.93 | -70.11 | 0.99 | 4.83 | V |
| 2506 | | -61.26 | -13 | -48.26 | -75.73 | -63.22 | 1.29 | 5.40 | V |
| 3340 | | -62.17 | -13 | -49.17 | -76.41 | -65.76 | 1.55 | 7.30 | V |
| | | | | | | | | | V |
| Highest | | 1696 | -53.08 | -13 | -40.08 | -61.56 | -54.68 | 1.00 | 4.75 |
| | 2542 | -45.46 | -13 | -32.46 | -58.19 | -47.44 | 1.30 | 5.43 | H |
| | 3385 | -59.96 | -13 | -46.96 | -76.32 | -63.74 | 1.57 | 7.49 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1696 | -65.17 | -13 | -52.17 | -71.93 | -66.77 | 1.00 | 4.75 | V |
| | 2542 | -58.77 | -13 | -45.77 | -73.16 | -60.75 | 1.30 | 5.43 | V |
| | 3385 | -61.46 | -13 | -48.46 | -76.11 | -65.24 | 1.57 | 7.49 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 5 / 5MHz / QPSK | | | | | | | | | |
|--------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1648 | -67.14 | -13 | -54.14 | -74.76 | -68.9 | 0.98 | 4.89 | H |
| | 2473 | -64.07 | -13 | -51.07 | -76.13 | -65.96 | 1.28 | 5.32 | H |
| | 3295 | -61.00 | -13 | -48.00 | -76.55 | -64.41 | 1.54 | 7.10 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1648 | -68.23 | -13 | -55.23 | -74.86 | -69.99 | 0.98 | 4.89 | V |
| | 2473 | -60.81 | -13 | -47.81 | -76.05 | -62.7 | 1.28 | 5.32 | V |
| | 3295 | -61.85 | -13 | -48.85 | -76.31 | -65.26 | 1.54 | 7.10 | V |
| | | | | | | | | | V |
| | Middle | 1669 | -66.52 | -13 | -53.52 | -75.01 | -68.21 | 0.99 | 4.83 |
| 2506 | | -61.64 | -13 | -48.64 | -73.94 | -63.6 | 1.29 | 5.40 | H |
| 3337 | | -61.14 | -13 | -48.14 | -76.48 | -64.72 | 1.55 | 7.28 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| 1669 | | -68.51 | -13 | -55.51 | -74.92 | -70.2 | 0.99 | 4.83 | V |
| 2506 | | -58.72 | -13 | -45.72 | -73.09 | -60.68 | 1.29 | 5.40 | V |
| 3337 | | -62.12 | -13 | -49.12 | -76.43 | -65.7 | 1.55 | 7.28 | V |
| | | | | | | | | | V |
| Highest | | 1687 | -66.28 | -13 | -53.28 | -74.63 | -67.91 | 1.00 | 4.78 |
| | 2536 | -63.51 | -13 | -50.51 | -76.03 | -65.49 | 1.30 | 5.43 | H |
| | 3376 | -61.15 | -13 | -48.15 | -76.51 | -64.89 | 1.57 | 7.45 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1687 | -68.01 | -13 | -55.01 | -74.21 | -69.64 | 1.00 | 4.78 | V |
| | 2536 | -61.83 | -13 | -48.83 | -76.21 | -63.81 | 1.30 | 5.43 | V |
| | 3376 | -61.88 | -13 | -48.88 | -76.53 | -65.62 | 1.57 | 7.45 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 5 / 10MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1648 | -66.08 | -13 | -53.08 | -74.7 | -67.84 | 0.98 | 4.89 | H |
| | 2472 | -64.17 | -13 | -51.17 | -76.23 | -66.05 | 1.28 | 5.32 | H |
| | 3296 | -60.94 | -13 | -47.94 | -76.49 | -64.35 | 1.54 | 7.10 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1648 | -68.15 | -13 | -55.15 | -74.78 | -69.91 | 0.98 | 4.89 | V |
| | 2472 | -61.95 | -13 | -48.95 | -76.19 | -63.83 | 1.28 | 5.32 | V |
| | 3296 | -62.10 | -13 | -49.10 | -76.56 | -65.51 | 1.54 | 7.10 | V |
| | | | | | | | | | V |
| | Middle | 1663 | -65.95 | -13 | -52.95 | -74.74 | -67.66 | 0.98 | 4.84 |
| 2496 | | -61.06 | -13 | -48.06 | -73.74 | -63.01 | 1.29 | 5.39 | H |
| 3328 | | -61.23 | -13 | -48.23 | -76.57 | -64.77 | 1.55 | 7.24 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| 1663 | | -68.31 | -13 | -55.31 | -74.72 | -70.02 | 0.98 | 4.84 | V |
| 2496 | | -58.46 | -13 | -45.46 | -73.42 | -60.41 | 1.29 | 5.39 | V |
| 3328 | | -62.22 | -13 | -49.22 | -76.53 | -65.76 | 1.55 | 7.24 | V |
| | | | | | | | | | V |
| Highest | | 1680 | -66.25 | -13 | -53.25 | -74.6 | -67.9 | 0.99 | 4.80 |
| | 2520 | -63.51 | -13 | -50.51 | -75.81 | -65.48 | 1.30 | 5.42 | H |
| | 3352 | -61.07 | -13 | -48.07 | -76.31 | -64.71 | 1.56 | 7.35 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1680 | -67.39 | -13 | -54.39 | -73.59 | -69.04 | 0.99 | 4.80 | V |
| | 2520 | -61.31 | -13 | -48.31 | -75.68 | -63.28 | 1.30 | 5.42 | V |
| | 3352 | -61.96 | -13 | -48.96 | -76.2 | -65.6 | 1.56 | 7.35 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 7

| LTE Band 7 / 5MHz / QPSK | | | | | | | | | | |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|---|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) | |
| Lowest | 5004 | -48.29 | -25 | -23.29 | -71.15 | -55.65 | 2.34 | 9.70 | H | |
| | 7500 | -40.00 | -25 | -15.00 | -68.82 | -49.37 | 2.43 | 11.80 | H | |
| | 10008 | -39.95 | -25 | -14.95 | -71.57 | -49.46 | 2.70 | 12.20 | H | |
| | 12504 | -33.35 | -25 | -8.35 | -69.48 | -42.95 | 2.81 | 12.40 | H | |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | 5004 | -53.25 | -25 | -28.25 | -74.71 | -60.61 | 2.34 | 9.70 | V | |
| | 7500 | -44.51 | -25 | -19.51 | -72.95 | -53.88 | 2.43 | 11.80 | V | |
| | 10008 | -38.50 | -25 | -13.50 | -68.46 | -48.01 | 2.70 | 12.20 | V | |
| | 12504 | -28.52 | -25 | -3.52 | -64.23 | -38.12 | 2.81 | 12.40 | V | |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | V | |
| Middle | 5064 | -46.53 | -25 | -21.53 | -69.29 | -53.86 | 2.37 | 9.70 | H | |
| | 7596 | -41.08 | -25 | -16.08 | -69.53 | -50.54 | 2.40 | 11.86 | H | |
| | 10128 | -36.62 | -25 | -11.62 | -68.3 | -46.18 | 2.70 | 12.25 | H | |
| | 12660 | -30.26 | -25 | -5.26 | -67.15 | -40.01 | 2.84 | 12.59 | H | |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | 5064 | -49.03 | -25 | -24.03 | -70.76 | -56.36 | 2.37 | 9.70 | V | |
| | 7596 | -43.39 | -25 | -18.39 | -71.3 | -52.85 | 2.40 | 11.86 | V | |
| | 10128 | -34.48 | -25 | -9.48 | -64.71 | -44.04 | 2.70 | 12.25 | V | |
| | 12660 | -28.11 | -25 | -3.11 | -63.2 | -37.86 | 2.84 | 12.59 | V | |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | V | |
| Highest | 5136 | -47.71 | -25 | -22.71 | -70.47 | -54.99 | 2.42 | 9.70 | H | |
| | 7692 | -43.88 | -25 | -18.88 | -72.31 | -53.43 | 2.37 | 11.92 | H | |
| | 10260 | -41.01 | -25 | -16.01 | -72.72 | -50.62 | 2.69 | 12.30 | H | |
| | 12828 | -29.00 | -25 | -4.00 | -66.82 | -38.91 | 2.89 | 12.79 | H | |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | | | | | | | | | | H |
| | 5136 | -50.87 | -25 | -25.87 | -72.88 | -58.15 | 2.42 | 9.70 | V | |
| | 7692 | -45.08 | -25 | -20.08 | -72.92 | -54.63 | 2.37 | 11.92 | V | |
| | 10260 | -37.14 | -25 | -12.14 | -67.72 | -46.75 | 2.69 | 12.30 | V | |
| | 12828 | -31.31 | -25 | -6.31 | -67.11 | -41.22 | 2.89 | 12.79 | V | |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | | V |
| | | | | | | | | | V | |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 10MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5004 | -47.30 | -25 | -22.30 | -70.14 | -54.66 | 2.34 | 9.70 | H |
| | 7500 | -37.58 | -25 | -12.58 | -66.31 | -46.95 | 2.43 | 11.80 | H |
| | 10008 | -34.64 | -25 | -9.64 | -66.23 | -44.15 | 2.70 | 12.20 | H |
| | 12504 | -32.00 | -25 | -7.00 | -68.12 | -41.6 | 2.81 | 12.40 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5004 | -49.28 | -25 | -24.28 | -70.59 | -56.64 | 2.34 | 9.70 | V |
| | 7500 | -40.85 | -25 | -15.85 | -69.3 | -50.22 | 2.43 | 11.80 | V |
| | 10008 | -33.54 | -25 | -8.54 | -63.31 | -43.05 | 2.70 | 12.20 | V |
| | 12504 | -29.75 | -25 | -4.75 | -65.17 | -39.35 | 2.81 | 12.40 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5064 | -46.06 | -25 | -21.06 | -68.97 | -53.39 | 2.37 | 9.70 | H |
| | 7596 | -40.66 | -25 | -15.66 | -69.02 | -50.12 | 2.40 | 11.86 | H |
| | 10128 | -39.31 | -25 | -14.31 | -70.86 | -48.87 | 2.70 | 12.25 | H |
| | 12648 | -33.30 | -25 | -8.30 | -70.13 | -43.04 | 2.84 | 12.58 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5064 | -49.34 | -25 | -24.34 | -71.11 | -56.67 | 2.37 | 9.70 | V |
| | 7596 | -43.36 | -25 | -18.36 | -71.32 | -52.82 | 2.40 | 11.86 | V |
| | 10128 | -35.23 | -25 | -10.23 | -65.5 | -44.79 | 2.70 | 12.25 | V |
| | 12648 | -29.22 | -25 | -4.22 | -64.82 | -38.96 | 2.84 | 12.58 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Highest | 5124 | -46.42 | -25 | -21.42 | -69.25 | -53.71 | 2.41 | 9.70 | H |
| | 7680 | -39.04 | -25 | -14.04 | -67.49 | -48.58 | 2.37 | 11.91 | H |
| | 10248 | -38.86 | -25 | -13.86 | -70.56 | -48.46 | 2.69 | 12.30 | H |
| | 12804 | -31.13 | -25 | -6.13 | -68.65 | -41.01 | 2.88 | 12.76 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5124 | -49.23 | -25 | -24.23 | -71.12 | -56.52 | 2.41 | 9.70 | V |
| | 7680 | -41.94 | -25 | -16.94 | -69.88 | -51.48 | 2.37 | 11.91 | V |
| | 10248 | -35.84 | -25 | -10.84 | -66.36 | -45.44 | 2.69 | 12.30 | V |
| | 12804 | -28.78 | -25 | -3.78 | -64.65 | -38.66 | 2.88 | 12.76 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 15MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5004 | -48.96 | -25 | -23.96 | -71.83 | -56.32 | 2.34 | 9.70 | H |
| | 7500 | -40.84 | -25 | -15.84 | -69.62 | -50.21 | 2.43 | 11.80 | H |
| | 10008 | -38.44 | -25 | -13.44 | -70.04 | -47.95 | 2.70 | 12.20 | H |
| | 12504 | -32.69 | -25 | -7.69 | -68.8 | -42.29 | 2.81 | 12.40 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5004 | -53.65 | -25 | -28.65 | -75 | -61.01 | 2.34 | 9.70 | V |
| | 7500 | -44.61 | -25 | -19.61 | -73.11 | -53.98 | 2.43 | 11.80 | V |
| | 10008 | -35.88 | -25 | -10.88 | -65.81 | -45.39 | 2.70 | 12.20 | V |
| | 12504 | -31.97 | -25 | -6.97 | -67.34 | -41.57 | 2.81 | 12.40 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5052 | -46.98 | -25 | -21.98 | -69.75 | -54.31 | 2.37 | 9.70 | H |
| | 7584 | -41.96 | -25 | -16.96 | -70.4 | -51.41 | 2.40 | 11.85 | H |
| | 10116 | -40.82 | -25 | -15.82 | -72.47 | -50.37 | 2.70 | 12.25 | H |
| | 12648 | -33.48 | -25 | -8.48 | -70.32 | -43.22 | 2.84 | 12.58 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5052 | -50.55 | -25 | -25.55 | -72.15 | -57.88 | 2.37 | 9.70 | V |
| | 7584 | -45.59 | -25 | -20.59 | -73.6 | -55.04 | 2.40 | 11.85 | V |
| | 10116 | -39.10 | -25 | -14.10 | -69.23 | -48.65 | 2.70 | 12.25 | V |
| | 12648 | -31.77 | -25 | -6.77 | -67.33 | -41.51 | 2.84 | 12.58 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Highest | 5112 | -49.59 | -25 | -24.59 | -72.24 | -56.89 | 2.40 | 9.70 | H |
| | 7668 | -44.23 | -25 | -19.23 | -72.67 | -53.76 | 2.38 | 11.90 | H |
| | 10224 | -43.75 | -25 | -18.75 | -75.33 | -53.34 | 2.69 | 12.29 | H |
| | 12780 | -33.33 | -25 | -8.33 | -70.86 | -43.19 | 2.87 | 12.74 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5112 | -53.01 | -25 | -28.01 | -74.91 | -60.31 | 2.40 | 9.70 | V |
| | 7668 | -45.80 | -25 | -20.80 | -73.67 | -55.33 | 2.38 | 11.90 | V |
| | 10224 | -40.20 | -25 | -15.20 | -70.6 | -49.79 | 2.69 | 12.29 | V |
| | 12780 | -35.18 | -25 | -10.18 | -71.01 | -45.04 | 2.87 | 12.74 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 20MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5004 | -48.07 | -25 | -23.07 | -70.9 | -55.43 | 2.34 | 9.70 | H |
| | 7500 | -40.41 | -25 | -15.41 | -69.2 | -49.78 | 2.43 | 11.80 | H |
| | 10008 | -40.48 | -25 | -15.48 | -72.11 | -49.99 | 2.70 | 12.20 | H |
| | 12504 | -34.05 | -25 | -9.05 | -70.16 | -43.65 | 2.81 | 12.40 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5004 | -50.68 | -25 | -25.68 | -72.06 | -58.04 | 2.34 | 9.70 | V |
| | 7500 | -42.95 | -25 | -17.95 | -71.4 | -52.32 | 2.43 | 11.80 | V |
| | 10008 | -37.17 | -25 | -12.17 | -67.07 | -46.68 | 2.70 | 12.20 | V |
| | 12504 | -30.72 | -25 | -5.72 | -66.16 | -40.32 | 2.81 | 12.40 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5052 | -46.79 | -25 | -21.79 | -69.63 | -54.12 | 2.37 | 9.70 | H |
| | 7584 | -41.66 | -25 | -16.66 | -70.1 | -51.11 | 2.40 | 11.85 | H |
| | 10104 | -42.39 | -25 | -17.39 | -73.99 | -51.94 | 2.70 | 12.24 | H |
| | 12636 | -33.90 | -25 | -8.90 | -70.63 | -43.62 | 2.84 | 12.56 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5052 | -50.34 | -25 | -25.34 | -71.87 | -57.67 | 2.37 | 9.70 | V |
| | 7584 | -44.86 | -25 | -19.86 | -72.88 | -54.31 | 2.40 | 11.85 | V |
| | 10104 | -40.23 | -25 | -15.23 | -70.36 | -49.78 | 2.70 | 12.24 | V |
| | 12636 | -33.91 | -25 | -8.91 | -69.49 | -43.63 | 2.84 | 12.56 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Highest | 5100 | -56.56 | -25 | -31.56 | -79.55 | -63.87 | 2.39 | 9.70 | H |
| | 7656 | -47.60 | -25 | -22.60 | -76.12 | -57.11 | 2.38 | 11.89 | H |
| | 10200 | -45.63 | -25 | -20.63 | -77.08 | -55.21 | 2.70 | 12.28 | H |
| | 12756 | -38.85 | -25 | -13.85 | -76.35 | -48.69 | 2.87 | 12.71 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5100 | -53.13 | -25 | -28.13 | -74.84 | -60.44 | 2.39 | 9.70 | V |
| | 7656 | -47.73 | -25 | -22.73 | -75.56 | -57.24 | 2.38 | 11.89 | V |
| | 10200 | -36.55 | -25 | -11.55 | -66.78 | -46.13 | 2.70 | 12.28 | V |
| | 12756 | -32.62 | -25 | -7.62 | -68.46 | -42.46 | 2.87 | 12.71 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.