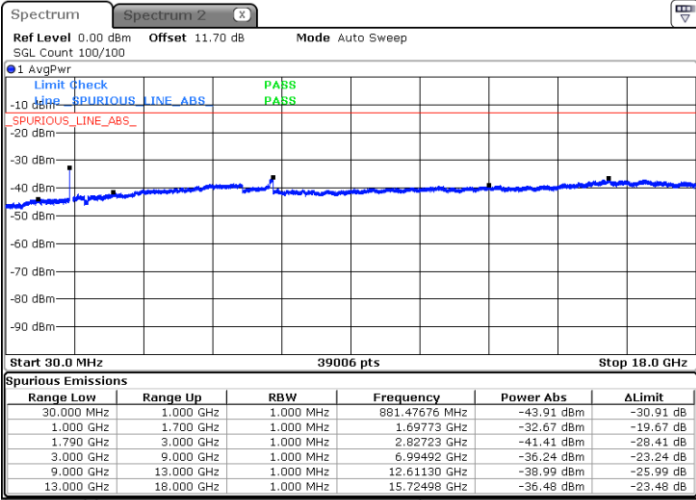




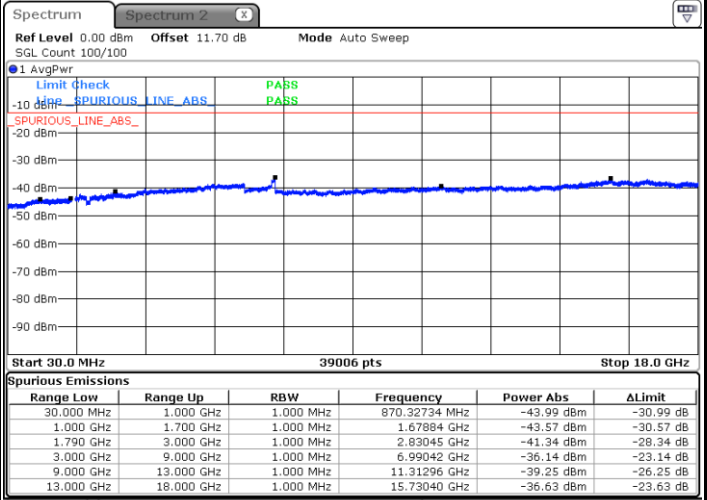
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

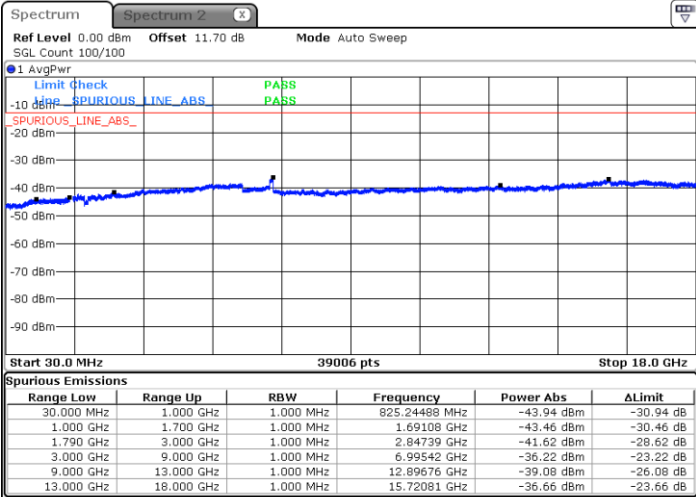


Date: 15. JAN. 2020 08:59:25



Date: 15. JAN. 2020 09:00:45

Highest Channel / 64QAM



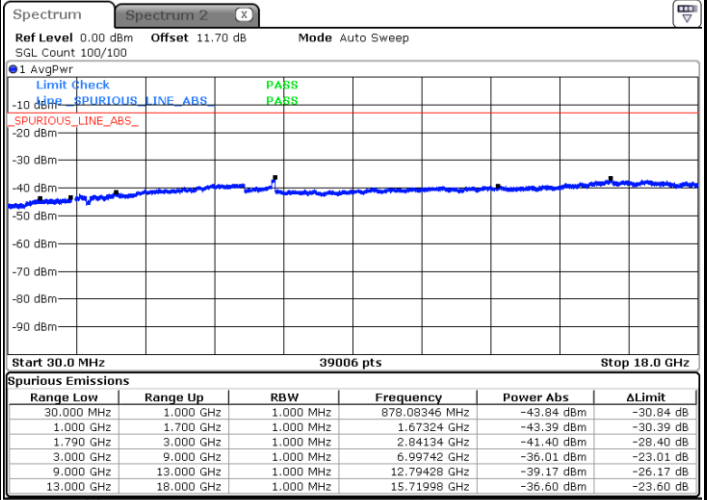
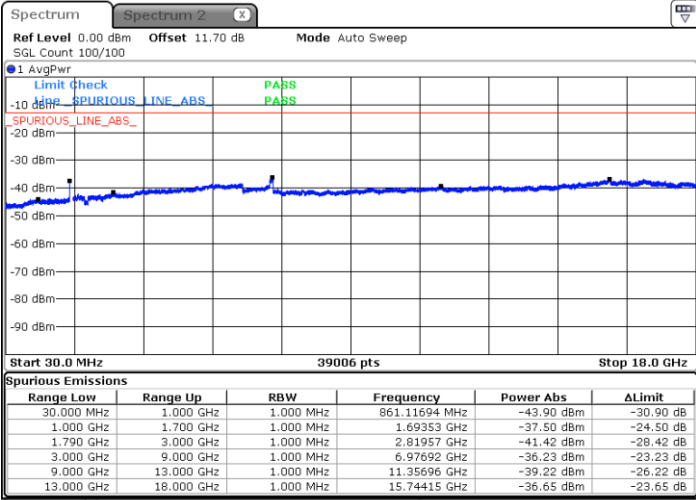
Date: 15. JAN. 2020 09:07:14



LTE Band 66 / 20MHz

Lowest Channel / 64QAM

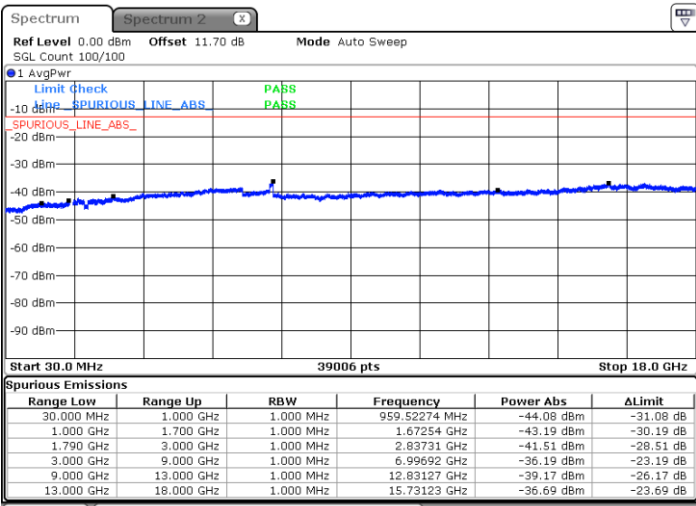
Middle Channel / 64QAM



Date: 15.JAN.2020 16:02:11

Date: 15.JAN.2020 16:03:31

Highest Channel / 64QAM



Date: 15.JAN.2020 16:06:53



Frequency Stability

| Test Conditions | | LTE Band 66 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0023 | PASS |
| 40 | Normal Voltage | 0.0012 | |
| 30 | Normal Voltage | 0.0015 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0022 | |
| 0 | Normal Voltage | 0.0004 | |
| -10 | Normal Voltage | 0.0026 | |
| -20 | Normal Voltage | 0.0008 | |
| -30 | Normal Voltage | 0.0022 | |
| 20 | Maximum Voltage | 0.0003 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0001 | |

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

| LTE Band 2 / 1.4MHz (Average) (GT - LC = -0.9 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 1 | 22.90 | 0.1950 | 22.00 | 0.1585 |
| Middle | | 3 | 1 | 22.81 | 0.1910 | 21.91 | 0.1552 |
| Highest | | 3 | 1 | 22.86 | 0.1932 | 21.96 | 0.1570 |
| Lowest | 16QAM | 1 | 3 | 22.22 | 0.1667 | 21.32 | 0.1355 |
| Middle | | 1 | 3 | 22.19 | 0.1656 | 21.29 | 0.1346 |
| Highest | | 1 | 3 | 22.18 | 0.1652 | 21.28 | 0.1343 |
| Lowest | 64QAM | 1 | 3 | 21.18 | 0.1312 | 20.28 | 0.1067 |
| Middle | | 1 | 3 | 21.01 | 0.1262 | 20.11 | 0.1026 |
| Highest | | 1 | 3 | 20.26 | 0.1062 | 19.36 | 0.0863 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 3MHz (Average) (GT - LC = -0.9 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 22.91 | 0.1954 | 22.01 | 0.1589 |
| Middle | | 1 | 0 | 22.98 | 0.1986 | 22.08 | 0.1614 |
| Highest | | 1 | 0 | 23.07 | 0.2028 | 22.17 | 0.1648 |
| Lowest | 16QAM | 1 | 14 | 22.12 | 0.1629 | 21.22 | 0.1324 |
| Middle | | 1 | 14 | 22.44 | 0.1754 | 21.54 | 0.1426 |
| Highest | | 1 | 14 | 22.00 | 0.1585 | 21.10 | 0.1288 |
| Lowest | 64QAM | 1 | 14 | 20.62 | 0.1153 | 19.72 | 0.0938 |
| Middle | | 1 | 14 | 20.98 | 0.1253 | 20.08 | 0.1019 |
| Highest | | 1 | 14 | 20.01 | 0.1002 | 19.11 | 0.0815 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 5MHz (Average) (GT - LC = -0.9 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 22.97 | 0.1982 | 22.07 | 0.1611 |
| Middle | | 1 | 12 | 22.88 | 0.1941 | 21.98 | 0.1578 |
| Highest | | 1 | 12 | 22.90 | 0.1950 | 22.00 | 0.1585 |
| Lowest | 16QAM | 1 | 12 | 22.23 | 0.1671 | 21.33 | 0.1358 |
| Middle | | 1 | 12 | 22.16 | 0.1644 | 21.26 | 0.1337 |
| Highest | | 1 | 12 | 22.26 | 0.1683 | 21.36 | 0.1368 |
| Lowest | 64QAM | 1 | 12 | 21.15 | 0.1303 | 20.25 | 0.1059 |
| Middle | | 1 | 12 | 21.02 | 0.1265 | 20.12 | 0.1028 |
| Highest | | 1 | 12 | 20.36 | 0.1086 | 19.46 | 0.0883 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 2 / 10MHz (Average) (GT - LC = -0.9 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 49 | 22.79 | 0.1901 | 21.89 | 0.1545 |
| Middle | | 1 | 49 | 23.10 | 0.2042 | 22.20 | 0.1660 |
| Highest | | 1 | 49 | 22.72 | 0.1871 | 21.82 | 0.1521 |
| Lowest | 16QAM | 1 | 25 | 22.20 | 0.1660 | 21.30 | 0.1349 |
| Middle | | 1 | 25 | 22.42 | 0.1746 | 21.52 | 0.1419 |
| Highest | | 1 | 25 | 22.06 | 0.1607 | 21.16 | 0.1306 |
| Lowest | 64QAM | 1 | 49 | 20.68 | 0.1169 | 19.78 | 0.0951 |
| Middle | | 1 | 49 | 20.97 | 0.1250 | 20.07 | 0.1016 |
| Highest | | 1 | 49 | 20.09 | 0.1021 | 19.19 | 0.0830 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 15MHz (Average) (GT - LC = -0.9 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.18 | 0.2080 | 22.28 | 0.1690 |
| Middle | | 1 | 0 | 23.11 | 0.2046 | 22.21 | 0.1663 |
| Highest | | 1 | 0 | 22.97 | 0.1982 | 22.07 | 0.1611 |
| Lowest | 16QAM | 1 | 37 | 22.45 | 0.1758 | 21.55 | 0.1429 |
| Middle | | 1 | 37 | 22.41 | 0.1742 | 21.51 | 0.1416 |
| Highest | | 1 | 37 | 22.06 | 0.1607 | 21.16 | 0.1306 |
| Lowest | 64QAM | 1 | 74 | 20.92 | 0.1236 | 20.02 | 0.1005 |
| Middle | | 1 | 74 | 21.00 | 0.1259 | 20.10 | 0.1023 |
| Highest | | 1 | 74 | 20.10 | 0.1023 | 19.20 | 0.0832 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 20MHz (Average) (GT - LC = -0.9 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 22.99 | 0.1991 | 22.09 | 0.1618 |
| Middle | | 1 | 0 | 23.19 | 0.2084 | 22.29 | 0.1694 |
| Highest | | 1 | 0 | 23.10 | 0.2042 | 22.20 | 0.1660 |
| Lowest | 16QAM | 1 | 99 | 22.21 | 0.1663 | 21.31 | 0.1352 |
| Middle | | 1 | 99 | 22.48 | 0.1770 | 21.58 | 0.1439 |
| Highest | | 1 | 99 | 22.10 | 0.1622 | 21.20 | 0.1318 |
| Lowest | 64QAM | 1 | 99 | 20.69 | 0.1172 | 19.79 | 0.0953 |
| Middle | | 1 | 99 | 21.01 | 0.1262 | 20.11 | 0.1026 |
| Highest | | 1 | 99 | 20.10 | 0.1023 | 19.20 | 0.0832 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 4 / 1.4MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 3 | 22.80 | 0.1905 | 20.90 | 0.1230 |
| Middle | | 3 | 3 | 22.92 | 0.1959 | 21.02 | 0.1265 |
| Highest | | 3 | 3 | 22.76 | 0.1888 | 20.86 | 0.1219 |
| Lowest | 16QAM | 1 | 3 | 22.17 | 0.1648 | 20.27 | 0.1064 |
| Middle | | 1 | 3 | 22.25 | 0.1679 | 20.35 | 0.1084 |
| Highest | | 1 | 3 | 22.12 | 0.1629 | 20.22 | 0.1052 |
| Lowest | 64QAM | 1 | 3 | 21.14 | 0.1300 | 19.24 | 0.0839 |
| Middle | | 1 | 3 | 21.20 | 0.1318 | 19.30 | 0.0851 |
| Highest | | 1 | 3 | 21.08 | 0.1282 | 19.18 | 0.0828 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 3MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.08 | 0.2032 | 21.18 | 0.1312 |
| Middle | | 1 | 0 | 23.08 | 0.2032 | 21.18 | 0.1312 |
| Highest | | 1 | 0 | 23.11 | 0.2046 | 21.21 | 0.1321 |
| Lowest | 16QAM | 1 | 0 | 22.44 | 0.1754 | 20.54 | 0.1132 |
| Middle | | 1 | 0 | 22.44 | 0.1754 | 20.54 | 0.1132 |
| Highest | | 1 | 0 | 22.45 | 0.1758 | 20.55 | 0.1135 |
| Lowest | 64QAM | 1 | 0 | 21.22 | 0.1324 | 19.32 | 0.0855 |
| Middle | | 1 | 0 | 21.31 | 0.1352 | 19.41 | 0.0873 |
| Highest | | 1 | 0 | 21.45 | 0.1396 | 19.55 | 0.0902 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 5MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 22.89 | 0.1945 | 20.99 | 0.1256 |
| Middle | | 1 | 12 | 22.98 | 0.1986 | 21.08 | 0.1282 |
| Highest | | 1 | 12 | 22.85 | 0.1928 | 20.95 | 0.1245 |
| Lowest | 16QAM | 1 | 12 | 22.17 | 0.1648 | 20.27 | 0.1064 |
| Middle | | 1 | 12 | 22.26 | 0.1683 | 20.36 | 0.1086 |
| Highest | | 1 | 12 | 22.10 | 0.1622 | 20.20 | 0.1047 |
| Lowest | 64QAM | 1 | 24 | 21.14 | 0.1300 | 19.24 | 0.0839 |
| Middle | | 1 | 24 | 21.22 | 0.1324 | 19.32 | 0.0855 |
| Highest | | 1 | 24 | 21.09 | 0.1285 | 19.19 | 0.0830 |
| Limit | EIRP < 1W | | | Result | | PASS | |



| LTE Band 4 / 10MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.01 | 0.2000 | 21.11 | 0.1291 |
| Middle | | 1 | 0 | 23.09 | 0.2037 | 21.19 | 0.1315 |
| Highest | | 1 | 0 | 23.05 | 0.2018 | 21.15 | 0.1303 |
| Lowest | 16QAM | 1 | 0 | 22.42 | 0.1746 | 20.52 | 0.1127 |
| Middle | | 1 | 0 | 22.38 | 0.1730 | 20.48 | 0.1117 |
| Highest | | 1 | 0 | 22.44 | 0.1754 | 20.54 | 0.1132 |
| Lowest | 64QAM | 1 | 0 | 21.22 | 0.1324 | 19.32 | 0.0855 |
| Middle | | 1 | 0 | 21.29 | 0.1346 | 19.39 | 0.0869 |
| Highest | | 1 | 0 | 21.42 | 0.1387 | 19.52 | 0.0895 |
| Limit | EIRP < 1W | | Result | | PASS | | |

| LTE Band 4 / 15MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.08 | 0.2032 | 21.18 | 0.1312 |
| Middle | | 1 | 0 | 23.20 | 0.2089 | 21.30 | 0.1349 |
| Highest | | 1 | 0 | 23.16 | 0.2070 | 21.26 | 0.1337 |
| Lowest | 16QAM | 1 | 0 | 22.42 | 0.1746 | 20.52 | 0.1127 |
| Middle | | 1 | 0 | 22.53 | 0.1791 | 20.63 | 0.1156 |
| Highest | | 1 | 0 | 22.42 | 0.1746 | 20.52 | 0.1127 |
| Lowest | 64QAM | 1 | 0 | 21.25 | 0.1334 | 19.35 | 0.0861 |
| Middle | | 1 | 0 | 21.41 | 0.1384 | 19.51 | 0.0893 |
| Highest | | 1 | 0 | 21.45 | 0.1396 | 19.55 | 0.0902 |
| Limit | EIRP < 1W | | Result | | PASS | | |

| LTE Band 4 / 20MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.08 | 0.2032 | 21.18 | 0.1312 |
| Middle | | 1 | 0 | 23.21 | 0.2094 | 21.31 | 0.1352 |
| Highest | | 1 | 0 | 23.14 | 0.2061 | 21.24 | 0.1330 |
| Lowest | 16QAM | 1 | 0 | 22.45 | 0.1758 | 20.55 | 0.1135 |
| Middle | | 1 | 0 | 22.45 | 0.1758 | 20.55 | 0.1135 |
| Highest | | 1 | 0 | 22.50 | 0.1778 | 20.60 | 0.1148 |
| Lowest | 64QAM | 1 | 0 | 21.31 | 0.1352 | 19.41 | 0.0873 |
| Middle | | 1 | 0 | 21.32 | 0.1355 | 19.42 | 0.0875 |
| Highest | | 1 | 0 | 21.45 | 0.1396 | 19.55 | 0.0902 |
| Limit | EIRP < 1W | | Result | | PASS | | |



| LTE Band 5 / 1.4MHz (Average) (GT - LC = -3.4 dB) | | | | | | | |
|---|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 3 | 22.86 | 0.1932 | 17.31 | 0.0538 |
| Middle | | 1 | 3 | 22.99 | 0.1991 | 17.44 | 0.0555 |
| Highest | | 1 | 3 | 22.91 | 0.1954 | 17.36 | 0.0545 |
| Lowest | 16QAM | 1 | 3 | 22.19 | 0.1656 | 16.64 | 0.0461 |
| Middle | | 1 | 3 | 22.33 | 0.1710 | 16.78 | 0.0476 |
| Highest | | 1 | 3 | 22.26 | 0.1683 | 16.71 | 0.0469 |
| Lowest | 64QAM | 1 | 5 | 21.06 | 0.1276 | 15.51 | 0.0356 |
| Middle | | 1 | 5 | 21.24 | 0.1330 | 15.69 | 0.0371 |
| Highest | | 1 | 5 | 21.08 | 0.1282 | 15.53 | 0.0357 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 5 / 3MHz (Average) (GT - LC = -3.4 dB) | | | | | | | |
|---|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 14 | 22.86 | 0.1932 | 17.31 | 0.0538 |
| Middle | | 1 | 14 | 23.01 | 0.2000 | 17.46 | 0.0557 |
| Highest | | 1 | 14 | 22.91 | 0.1954 | 17.36 | 0.0545 |
| Lowest | 16QAM | 1 | 8 | 22.12 | 0.1629 | 16.57 | 0.0454 |
| Middle | | 1 | 8 | 22.30 | 0.1698 | 16.75 | 0.0473 |
| Highest | | 1 | 8 | 22.24 | 0.1675 | 16.69 | 0.0467 |
| Lowest | 64QAM | 1 | 14 | 21.09 | 0.1285 | 15.54 | 0.0358 |
| Middle | | 1 | 14 | 21.22 | 0.1324 | 15.67 | 0.0369 |
| Highest | | 1 | 14 | 21.16 | 0.1306 | 15.61 | 0.0364 |
| Limit | ERP < 7W | | | Result | | PASS | |

| LTE Band 5 / 5MHz (Average) (GT - LC = -3.4 dB) | | | | | | | |
|---|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 12 | 22.89 | 0.1945 | 17.34 | 0.0542 |
| Middle | | 1 | 12 | 23.01 | 0.2000 | 17.46 | 0.0557 |
| Highest | | 1 | 12 | 23.01 | 0.2000 | 17.46 | 0.0557 |
| Lowest | 16QAM | 1 | 12 | 22.16 | 0.1644 | 16.61 | 0.0458 |
| Middle | | 1 | 12 | 22.35 | 0.1718 | 16.80 | 0.0479 |
| Highest | | 1 | 12 | 22.31 | 0.1702 | 16.76 | 0.0474 |
| Lowest | 64QAM | 1 | 24 | 21.17 | 0.1309 | 15.62 | 0.0365 |
| Middle | | 1 | 24 | 21.30 | 0.1349 | 15.75 | 0.0376 |
| Highest | | 1 | 24 | 21.19 | 0.1315 | 15.64 | 0.0366 |
| Limit | ERP < 7W | | | Result | | PASS | |



| LTE Band 5 / 10MHz (Average) (GT - LC = -3.4 dB) | | | | | | | |
|--|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 0 | 22.96 | 0.1977 | 17.41 | 0.0551 |
| Middle | | 1 | 0 | 23.03 | 0.2009 | 17.48 | 0.0560 |
| Highest | | 1 | 0 | 23.01 | 0.2000 | 17.46 | 0.0557 |
| Lowest | 16QAM | 1 | 0 | 22.28 | 0.1690 | 16.73 | 0.0471 |
| Middle | | 1 | 0 | 22.27 | 0.1687 | 16.72 | 0.0470 |
| Highest | | 1 | 0 | 22.32 | 0.1706 | 16.77 | 0.0475 |
| Lowest | 64QAM | 1 | 0 | 21.20 | 0.1318 | 15.65 | 0.0367 |
| Middle | | 1 | 0 | 21.27 | 0.1340 | 15.72 | 0.0373 |
| Highest | | 1 | 0 | 21.26 | 0.1337 | 15.71 | 0.0372 |
| Limit | ERP < 7W | | | Result | | PASS | |



| LTE Band 7 / 5MHz (Average) (GT - LC = -5.2 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 24 | 23.09 | 0.2037 | 17.89 | 0.0615 |
| Middle | | 1 | 24 | 23.12 | 0.2051 | 17.92 | 0.0619 |
| Highest | | 1 | 24 | 22.75 | 0.1884 | 17.55 | 0.0569 |
| Lowest | 16QAM | 1 | 24 | 22.41 | 0.1742 | 17.21 | 0.0526 |
| Middle | | 1 | 24 | 22.44 | 0.1754 | 17.24 | 0.0530 |
| Highest | | 1 | 24 | 22.08 | 0.1614 | 16.88 | 0.0488 |
| Lowest | 64QAM | 1 | 24 | 20.90 | 0.1230 | 15.70 | 0.0372 |
| Middle | | 1 | 24 | 21.38 | 0.1374 | 16.18 | 0.0415 |
| Highest | | 1 | 24 | 20.59 | 0.1146 | 15.39 | 0.0346 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 7 / 10MHz (Average) (GT - LC = -5.2 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 49 | 23.18 | 0.2080 | 17.98 | 0.0628 |
| Middle | | 1 | 49 | 23.29 | 0.2133 | 18.09 | 0.0644 |
| Highest | | 1 | 49 | 23.30 | 0.2138 | 18.10 | 0.0646 |
| Lowest | 16QAM | 1 | 49 | 22.52 | 0.1786 | 17.32 | 0.0540 |
| Middle | | 1 | 49 | 22.63 | 0.1832 | 17.43 | 0.0553 |
| Highest | | 1 | 49 | 22.72 | 0.1871 | 17.52 | 0.0565 |
| Lowest | 64QAM | 1 | 25 | 20.95 | 0.1245 | 15.75 | 0.0376 |
| Middle | | 1 | 25 | 21.29 | 0.1346 | 16.09 | 0.0406 |
| Highest | | 1 | 25 | 20.77 | 0.1194 | 15.57 | 0.0361 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 7 / 15MHz (Average) (GT - LC = -5.2 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 74 | 22.98 | 0.1986 | 17.78 | 0.0600 |
| Middle | | 1 | 74 | 23.44 | 0.2208 | 18.24 | 0.0667 |
| Highest | | 1 | 74 | 23.11 | 0.2046 | 17.91 | 0.0618 |
| Lowest | 16QAM | 1 | 37 | 22.51 | 0.1782 | 17.31 | 0.0538 |
| Middle | | 1 | 37 | 22.66 | 0.1845 | 17.46 | 0.0557 |
| Highest | | 1 | 37 | 22.74 | 0.1879 | 17.54 | 0.0568 |
| Lowest | 64QAM | 1 | 37 | 20.84 | 0.1213 | 15.64 | 0.0366 |
| Middle | | 1 | 37 | 21.35 | 0.1365 | 16.15 | 0.0412 |
| Highest | | 1 | 37 | 21.03 | 0.1268 | 15.83 | 0.0383 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 7 / 20MHz (Average) (GT - LC = -5.2 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.26 | 0.2118 | 18.06 | 0.0640 |
| Middle | | 1 | 0 | 23.45 | 0.2213 | 18.25 | 0.0668 |
| Highest | | 1 | 0 | 23.35 | 0.2163 | 18.15 | 0.0653 |
| Lowest | 16QAM | 1 | 99 | 22.58 | 0.1811 | 17.38 | 0.0547 |
| Middle | | 1 | 99 | 22.73 | 0.1875 | 17.53 | 0.0566 |
| Highest | | 1 | 99 | 22.75 | 0.1884 | 17.55 | 0.0569 |
| Lowest | 64QAM | 1 | 49 | 21.01 | 0.1262 | 15.81 | 0.0381 |
| Middle | | 1 | 49 | 21.37 | 0.1371 | 16.17 | 0.0414 |
| Highest | | 1 | 49 | 20.84 | 0.1213 | 15.64 | 0.0366 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 12 / 1.4MHz (Average) (GT - LC = -4 dB) | | | | | | | |
|--|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 3 | 1 | 22.91 | 0.1954 | 16.76 | 0.0474 |
| Middle | | 3 | 1 | 22.86 | 0.1932 | 16.71 | 0.0469 |
| Highest | | 3 | 1 | 22.92 | 0.1959 | 16.77 | 0.0475 |
| Lowest | 16QAM | 1 | 0 | 22.20 | 0.1660 | 16.05 | 0.0403 |
| Middle | | 1 | 0 | 22.10 | 0.1622 | 15.95 | 0.0394 |
| Highest | | 1 | 0 | 22.25 | 0.1679 | 16.10 | 0.0407 |
| Lowest | 64QAM | 1 | 3 | 21.15 | 0.1303 | 15.00 | 0.0316 |
| Middle | | 1 | 3 | 21.16 | 0.1306 | 15.01 | 0.0317 |
| Highest | | 1 | 3 | 21.13 | 0.1297 | 14.98 | 0.0315 |
| Limit | ERP < 3W | | Result | | PASS | | |

| LTE Band 12 / 3MHz (Average) (GT - LC = -4 dB) | | | | | | | |
|--|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 8 | 22.82 | 0.1914 | 16.67 | 0.0465 |
| Middle | | 1 | 8 | 22.92 | 0.1959 | 16.77 | 0.0475 |
| Highest | | 1 | 8 | 23.00 | 0.1995 | 16.85 | 0.0484 |
| Lowest | 16QAM | 1 | 8 | 22.17 | 0.1648 | 16.02 | 0.0400 |
| Middle | | 1 | 8 | 22.15 | 0.1641 | 16.00 | 0.0398 |
| Highest | | 1 | 8 | 22.29 | 0.1694 | 16.14 | 0.0411 |
| Lowest | 64QAM | 1 | 14 | 21.24 | 0.1330 | 15.09 | 0.0323 |
| Middle | | 1 | 14 | 21.19 | 0.1315 | 15.04 | 0.0319 |
| Highest | | 1 | 14 | 21.16 | 0.1306 | 15.01 | 0.0317 |
| Limit | ERP < 3W | | Result | | PASS | | |

| LTE Band 12 / 5MHz (Average) (GT - LC = -4 dB) | | | | | | | |
|--|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 12 | 22.92 | 0.1959 | 16.77 | 0.0475 |
| Middle | | 1 | 12 | 22.95 | 0.1972 | 16.80 | 0.0479 |
| Highest | | 1 | 12 | 23.00 | 0.1995 | 16.85 | 0.0484 |
| Lowest | 16QAM | 1 | 24 | 22.28 | 0.1690 | 16.13 | 0.0410 |
| Middle | | 1 | 24 | 22.31 | 0.1702 | 16.16 | 0.0413 |
| Highest | | 1 | 24 | 22.28 | 0.1690 | 16.13 | 0.0410 |
| Lowest | 64QAM | 1 | 24 | 21.24 | 0.1330 | 15.09 | 0.0323 |
| Middle | | 1 | 24 | 21.25 | 0.1334 | 15.10 | 0.0324 |
| Highest | | 1 | 24 | 21.25 | 0.1334 | 15.10 | 0.0324 |
| Limit | ERP < 3W | | Result | | PASS | | |



| LTE Band 12 / 10MHz (Average) (GT - LC = -4 dB) | | | | | | | |
|---|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 0 | 22.90 | 0.1950 | 16.75 | 0.0473 |
| Middle | | 1 | 0 | 23.01 | 0.2000 | 16.86 | 0.0485 |
| Highest | | 1 | 0 | 22.98 | 0.1986 | 16.83 | 0.0482 |
| Lowest | 16QAM | 1 | 49 | 22.25 | 0.1679 | 16.10 | 0.0407 |
| Middle | | 1 | 49 | 22.29 | 0.1694 | 16.14 | 0.0411 |
| Highest | | 1 | 49 | 22.20 | 0.1660 | 16.05 | 0.0403 |
| Lowest | 64QAM | 1 | 49 | 21.20 | 0.1318 | 15.05 | 0.0320 |
| Middle | | 1 | 49 | 21.19 | 0.1315 | 15.04 | 0.0319 |
| Highest | | 1 | 49 | 21.19 | 0.1315 | 15.04 | 0.0319 |
| Limit | ERP < 3W | | | Result | | PASS | |



| LTE Band 13 / 5MHz (Average) (GT - LC = -3.5 dB) | | | | | | | |
|--|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 0 | 22.85 | 0.1928 | 17.20 | 0.0525 |
| Middle | | 1 | 0 | 22.81 | 0.1910 | 17.16 | 0.0520 |
| Highest | | 1 | 0 | 22.90 | 0.1950 | 17.25 | 0.0531 |
| Lowest | 16QAM | 1 | 0 | 22.13 | 0.1633 | 16.48 | 0.0445 |
| Middle | | 1 | 0 | 22.12 | 0.1629 | 16.47 | 0.0444 |
| Highest | | 1 | 0 | 22.19 | 0.1656 | 16.54 | 0.0451 |
| Lowest | 64QAM | 1 | 24 | 21.13 | 0.1297 | 15.48 | 0.0353 |
| Middle | | 1 | 24 | 21.03 | 0.1268 | 15.38 | 0.0345 |
| Highest | | 1 | 24 | 20.99 | 0.1256 | 15.34 | 0.0342 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 13 / 10MHz (Average) (GT - LC = -3.5 dB) | | | | | | | |
|---|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | - | - | - | - | - | - |
| Middle | | 1 | 0 | 22.94 | 0.1968 | 17.29 | 0.0536 |
| Highest | | - | - | - | - | - | - |
| Lowest | 16QAM | - | - | - | - | - | - |
| Middle | | 1 | 0 | 22.28 | 0.1690 | 16.63 | 0.0460 |
| Highest | | - | - | - | - | - | - |
| Lowest | 64QAM | - | - | - | - | - | - |
| Middle | | 1 | 49 | 21.03 | 0.1268 | 15.38 | 0.0345 |
| Highest | | - | - | - | - | - | - |
| Limit | ERP < 3W | | | Result | | PASS | |



| LTE Band 17 / 5MHz (Average) (GT - LC = -4 dB) | | | | | | | |
|--|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 24 | 22.95 | 0.1972 | 16.80 | 0.0479 |
| Middle | | 1 | 24 | 22.97 | 0.1982 | 16.82 | 0.0481 |
| Highest | | 1 | 24 | 23.02 | 0.2004 | 16.87 | 0.0486 |
| Lowest | 16QAM | 1 | 24 | 22.32 | 0.1706 | 16.17 | 0.0414 |
| Middle | | 1 | 24 | 22.33 | 0.1710 | 16.18 | 0.0415 |
| Highest | | 1 | 24 | 22.36 | 0.1722 | 16.21 | 0.0418 |
| Lowest | 64QAM | 1 | 24 | 21.24 | 0.1330 | 15.09 | 0.0323 |
| Middle | | 1 | 24 | 21.24 | 0.1330 | 15.09 | 0.0323 |
| Highest | | 1 | 24 | 21.27 | 0.1340 | 15.12 | 0.0325 |
| Limit | ERP < 3W | | | Result | | PASS | |

| LTE Band 17 / 10MHz (Average) (GT - LC = -4 dB) | | | | | | | |
|---|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 0 | 22.87 | 0.1936 | 16.72 | 0.0470 |
| Middle | | 1 | 0 | 23.03 | 0.2009 | 16.88 | 0.0488 |
| Highest | | 1 | 0 | 22.98 | 0.1986 | 16.83 | 0.0482 |
| Lowest | 16QAM | 1 | 49 | 22.27 | 0.1687 | 16.12 | 0.0409 |
| Middle | | 1 | 49 | 22.24 | 0.1675 | 16.09 | 0.0406 |
| Highest | | 1 | 49 | 22.33 | 0.1710 | 16.18 | 0.0415 |
| Lowest | 64QAM | 1 | 49 | 21.23 | 0.1327 | 15.08 | 0.0322 |
| Middle | | 1 | 49 | 21.18 | 0.1312 | 15.03 | 0.0318 |
| Highest | | 1 | 49 | 21.20 | 0.1318 | 15.05 | 0.0320 |
| Limit | ERP < 3W | | | Result | | PASS | |



| LTE Band 66 / 1.4MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 1 | 22.78 | 0.1897 | 20.88 | 0.1225 |
| Middle | | 3 | 1 | 22.86 | 0.1932 | 20.96 | 0.1247 |
| Highest | | 3 | 1 | 22.72 | 0.1871 | 20.82 | 0.1208 |
| Lowest | 16QAM | 1 | 3 | 22.12 | 0.1629 | 20.22 | 0.1052 |
| Middle | | 1 | 3 | 22.16 | 0.1644 | 20.26 | 0.1062 |
| Highest | | 1 | 3 | 22.07 | 0.1611 | 20.17 | 0.1040 |
| Lowest | 64QAM | 1 | 3 | 21.10 | 0.1288 | 19.20 | 0.0832 |
| Middle | | 1 | 3 | 21.14 | 0.1300 | 19.24 | 0.0839 |
| Highest | | 1 | 3 | 20.98 | 0.1253 | 19.08 | 0.0809 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 66 / 3MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.00 | 0.1995 | 21.10 | 0.1288 |
| Middle | | 1 | 0 | 23.06 | 0.2023 | 21.16 | 0.1306 |
| Highest | | 1 | 0 | 23.02 | 0.2004 | 21.12 | 0.1294 |
| Lowest | 16QAM | 1 | 0 | 22.36 | 0.1722 | 20.46 | 0.1112 |
| Middle | | 1 | 0 | 22.40 | 0.1738 | 20.50 | 0.1122 |
| Highest | | 1 | 0 | 22.38 | 0.1730 | 20.48 | 0.1117 |
| Lowest | 64QAM | 1 | 0 | 21.27 | 0.1340 | 19.37 | 0.0865 |
| Middle | | 1 | 0 | 21.29 | 0.1346 | 19.39 | 0.0869 |
| Highest | | 1 | 0 | 21.21 | 0.1321 | 19.31 | 0.0853 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 66 / 5MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 22.80 | 0.1905 | 20.90 | 0.1230 |
| Middle | | 1 | 12 | 22.86 | 0.1932 | 20.96 | 0.1247 |
| Highest | | 1 | 12 | 22.76 | 0.1888 | 20.86 | 0.1219 |
| Lowest | 16QAM | 1 | 12 | 22.09 | 0.1618 | 20.19 | 0.1045 |
| Middle | | 1 | 12 | 22.14 | 0.1637 | 20.24 | 0.1057 |
| Highest | | 1 | 12 | 22.06 | 0.1607 | 20.16 | 0.1038 |
| Lowest | 64QAM | 1 | 12 | 21.04 | 0.1271 | 19.14 | 0.0820 |
| Middle | | 1 | 12 | 21.09 | 0.1285 | 19.19 | 0.0830 |
| Highest | | 1 | 12 | 20.95 | 0.1245 | 19.05 | 0.0804 |
| Limit | EIRP < 1W | | | Result | | PASS | |



| LTE Band 66 / 10MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.05 | 0.2018 | 21.15 | 0.1303 |
| Middle | | 1 | 0 | 23.15 | 0.2065 | 21.25 | 0.1334 |
| Highest | | 1 | 0 | 23.00 | 0.1995 | 21.10 | 0.1288 |
| Lowest | 16QAM | 1 | 0 | 22.36 | 0.1722 | 20.46 | 0.1112 |
| Middle | | 1 | 0 | 22.44 | 0.1754 | 20.54 | 0.1132 |
| Highest | | 1 | 0 | 22.39 | 0.1734 | 20.49 | 0.1119 |
| Lowest | 64QAM | 1 | 0 | 21.29 | 0.1346 | 19.39 | 0.0869 |
| Middle | | 1 | 0 | 21.25 | 0.1334 | 19.35 | 0.0861 |
| Highest | | 1 | 0 | 21.22 | 0.1324 | 19.32 | 0.0855 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 66 / 15MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.03 | 0.2009 | 21.13 | 0.1297 |
| Middle | | 1 | 0 | 23.08 | 0.2032 | 21.18 | 0.1312 |
| Highest | | 1 | 0 | 23.07 | 0.2028 | 21.17 | 0.1309 |
| Lowest | 16QAM | 1 | 0 | 22.32 | 0.1706 | 20.42 | 0.1102 |
| Middle | | 1 | 0 | 22.40 | 0.1738 | 20.50 | 0.1122 |
| Highest | | 1 | 0 | 22.42 | 0.1746 | 20.52 | 0.1127 |
| Lowest | 64QAM | 1 | 37 | 21.30 | 0.1349 | 19.40 | 0.0871 |
| Middle | | 1 | 37 | 21.28 | 0.1343 | 19.38 | 0.0867 |
| Highest | | 1 | 37 | 21.20 | 0.1318 | 19.30 | 0.0851 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 66 / 20MHz (Average) (GT - LC = -1.9 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 23.07 | 0.2028 | 21.17 | 0.1309 |
| Middle | | 1 | 0 | 23.16 | 0.2070 | 21.26 | 0.1337 |
| Highest | | 1 | 0 | 23.10 | 0.2042 | 21.20 | 0.1318 |
| Lowest | 16QAM | 1 | 0 | 22.44 | 0.1754 | 20.54 | 0.1132 |
| Middle | | 1 | 0 | 22.48 | 0.1770 | 20.58 | 0.1143 |
| Highest | | 1 | 0 | 22.43 | 0.1750 | 20.53 | 0.1130 |
| Lowest | 64QAM | 1 | 0 | 21.29 | 0.1346 | 19.39 | 0.0869 |
| Middle | | 1 | 0 | 21.31 | 0.1352 | 19.41 | 0.0873 |
| Highest | | 1 | 0 | 21.30 | 0.1349 | 19.40 | 0.0871 |
| Limit | EIRP < 1W | | | Result | | PASS | |



Radiated Spurious Emission

LTE Band 2

| 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 | -50.31 | -13 | -37.31 | -68.52 | -61.52 | 1.41 | 12.62 | H |
| | 5555 | -46.49 | -13 | -33.49 | -69.54 | -58.05 | 1.74 | 13.30 | H |
| | 7403 | -42.33 | -13 | -29.33 | -69.4 | -51.65 | 1.94 | 11.26 | H |
| | 3700 | -51.08 | -13 | -38.08 | -69.43 | -62.29 | 1.41 | 12.62 | V |
| | 5555 | -47.19 | -13 | -34.19 | -69.77 | -58.75 | 1.74 | 13.30 | V |
| | 7403 | -42.86 | -13 | -29.86 | -69.77 | -52.18 | 1.94 | 11.26 | V |
| Middle | 3742 | -51.30 | -13 | -38.30 | -69.66 | -62.52 | 1.42 | 12.65 | H |
| | 5611 | -41.83 | -13 | -28.83 | -64.8 | -53.39 | 1.74 | 13.30 | H |
| | 7487 | -43.49 | -13 | -30.49 | -70.16 | -52.63 | 1.98 | 11.12 | H |
| | 3742 | -50.74 | -13 | -37.74 | -69.3 | -61.96 | 1.42 | 12.65 | V |
| | 5611 | -46.60 | -13 | -33.60 | -69.24 | -58.16 | 1.74 | 13.30 | V |
| | 7487 | -43.20 | -13 | -30.20 | -69.82 | -52.34 | 1.98 | 11.12 | V |
| Highest | 3784 | -50.99 | -13 | -37.99 | -69.5 | -61.20 | 2.02 | 12.23 | H |
| | 5674 | -46.04 | -13 | -33.04 | -69.31 | -56.37 | 2.11 | 12.44 | H |
| | 7564 | -43.88 | -13 | -30.88 | -70.14 | -52.00 | 2.11 | 10.23 | H |
| | 3784 | -50.67 | -13 | -37.67 | -69.43 | -60.88 | 2.02 | 12.23 | V |
| | 5674 | -46.38 | -13 | -33.38 | -69.15 | -56.71 | 2.11 | 12.44 | V |
| | 7564 | -44.20 | -13 | -31.20 | -70.41 | -52.32 | 2.11 | 10.23 | V |

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



LTE Band 4

| LTE Band 4 / 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 | 3420 | -53.59 | -13 | -40.59 | -69.9 | -64.55 | 1.35 | 12.31 | H |
| | 5135 | -48.48 | -13 | -35.48 | -70.2 | -59.62 | 1.65 | 12.79 | H |
| | 6843 | -42.86 | -13 | -29.86 | -68.36 | -53.24 | 1.74 | 12.12 | H |
| | 3420 | -53.35 | -13 | -40.35 | -70.08 | -64.31 | 1.35 | 12.31 | V |
| | 5135 | -48.69 | -13 | -35.69 | -70.16 | -59.83 | 1.65 | 12.79 | V |
| | 6843 | -43.35 | -13 | -30.35 | -68.45 | -53.73 | 1.74 | 12.12 | V |
| Middle | 3448 | -53.27 | -13 | -40.27 | -69.85 | -64.29 | 1.35 | 12.38 | H |
| | 5170 | -48.03 | -13 | -35.03 | -69.79 | -59.21 | 1.65 | 12.84 | H |
| | 6892 | -42.64 | -13 | -29.64 | -68.38 | -52.96 | 1.74 | 12.05 | H |
| | 3448 | -52.25 | -13 | -39.25 | -69.22 | -63.27 | 1.35 | 12.38 | V |
| | 5170 | -48.14 | -13 | -35.14 | -69.69 | -59.32 | 1.65 | 12.84 | V |
| | 6892 | -43.14 | -13 | -30.14 | -68.45 | -53.46 | 1.74 | 12.05 | V |
| Highest | 3469 | -53.08 | -13 | -40.08 | -69.87 | -64.15 | 1.35 | 12.43 | H |
| | 5208 | -48.30 | -13 | -35.30 | -70.1 | -59.52 | 1.66 | 12.89 | H |
| | 6941 | -42.64 | -13 | -29.64 | -68.62 | -52.89 | 1.73 | 11.98 | H |
| | 3469 | -52.79 | -13 | -39.79 | -69.96 | -63.86 | 1.35 | 12.43 | V |
| | 5208 | -48.27 | -13 | -35.27 | -69.9 | -59.50 | 1.66 | 12.89 | V |
| | 6941 | -42.89 | -13 | -29.89 | -68.41 | -53.14 | 1.73 | 11.98 | V |

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



LTE Band 5

| LTE Band 5 / 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 | 1648 | -60.09 | -13 | -47.09 | -70.18 | -65.68 | 0.92 | 8.66 | H |
| | 2472 | -56.67 | -13 | -43.67 | -70.98 | -64.04 | 1.14 | 10.66 | H |
| | 3296 | -55.84 | -13 | -42.84 | -71.52 | -64.38 | 1.32 | 12.01 | H |
| | 1648 | -61.16 | -13 | -48.16 | -70.72 | -66.75 | 0.92 | 8.66 | V |
| | 2472 | -56.66 | -13 | -43.66 | -71.12 | -64.03 | 1.14 | 10.66 | V |
| | 3296 | -54.71 | -13 | -41.71 | -70.86 | -63.25 | 1.32 | 12.01 | V |
| Middle | 1664 | -60.66 | -13 | -47.66 | -70.79 | -66.31 | 0.93 | 8.72 | H |
| | 2496 | -56.76 | -13 | -43.76 | -71.06 | -64.16 | 1.15 | 10.69 | H |
| | 3328 | -55.36 | -13 | -42.36 | -70.95 | -63.97 | 1.33 | 12.09 | H |
| | 1664 | -61.27 | -13 | -48.27 | -70.81 | -66.92 | 0.93 | 8.72 | V |
| | 2496 | -56.15 | -13 | -43.15 | -70.66 | -63.55 | 1.15 | 10.69 | V |
| | 3328 | -54.60 | -13 | -41.60 | -70.65 | -63.21 | 1.33 | 12.09 | V |
| Highest | 1680 | -60.83 | -13 | -47.83 | -71.02 | -66.53 | 0.93 | 8.78 | H |
| | 2518 | -56.79 | -13 | -43.79 | -71.08 | -64.21 | 1.15 | 10.72 | H |
| | 3360 | -55.46 | -13 | -42.46 | -70.97 | -64.14 | 1.33 | 12.16 | H |
| | 1680 | -61.06 | -13 | -48.06 | -70.6 | -66.76 | 0.93 | 8.78 | V |
| | 2518 | -56.55 | -13 | -43.55 | -71.01 | -63.97 | 1.15 | 10.72 | V |
| | 3360 | -55.48 | -13 | -42.48 | -71.43 | -64.16 | 1.33 | 12.16 | V |

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



LTE Band 7

| LTE Band 7 / 20MHz / 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 | 5002 | -49.98 | -25 | -24.98 | -71.63 | -60.97 | 1.61 | 12.60 | H |
| | 7503 | -46.63 | -25 | -21.63 | -73.22 | -55.74 | 1.99 | 11.10 | H |
| | 10004 | -43.73 | -25 | -18.73 | -72.67 | -52.63 | 2.40 | 11.30 | H |
| | 5002 | -50.37 | -25 | -25.37 | -71.57 | -61.36 | 1.61 | 12.60 | V |
| | 7503 | -46.70 | -25 | -21.70 | -73.26 | -55.81 | 1.99 | 11.10 | V |
| | 10004 | -42.61 | -25 | -17.61 | -72.34 | -51.51 | 2.40 | 11.30 | V |
| Middle | 5052 | -49.98 | -25 | -24.98 | -71.67 | -61.03 | 1.62 | 12.67 | H |
| | 7578 | -46.22 | -25 | -21.22 | -72.39 | -55.33 | 2.00 | 11.12 | H |
| | 10104 | -42.39 | -25 | -17.39 | -71.71 | -51.21 | 2.40 | 11.22 | H |
| | 5052 | -49.82 | -25 | -24.82 | -71.14 | -60.87 | 1.62 | 12.67 | V |
| | 7578 | -46.27 | -25 | -21.27 | -72.4 | -55.38 | 2.00 | 11.12 | V |
| | 10104 | -42.04 | -25 | -17.04 | -71.94 | -50.86 | 2.40 | 11.22 | V |
| Highest | 5102 | -49.71 | -25 | -24.71 | -71.42 | -60.82 | 1.64 | 12.74 | H |
| | 7653 | -46.75 | -25 | -21.75 | -72.81 | -55.87 | 2.01 | 11.13 | H |
| | 10204 | -42.35 | -25 | -17.35 | -72.06 | -51.09 | 2.40 | 11.14 | H |
| | 5102 | -49.89 | -25 | -24.89 | -71.3 | -61.00 | 1.64 | 12.74 | V |
| | 7653 | -46.95 | -25 | -21.95 | -72.89 | -56.07 | 2.01 | 11.13 | V |
| | 10204 | -41.76 | -25 | -16.76 | -71.82 | -50.50 | 2.40 | 11.14 | V |

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



LTE Band 12

| LTE Band 12 / 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 | 1399 | -58.94 | -13 | -45.94 | -70.25 | -63.58 | 0.84 | 7.64 | H |
| | 2098 | -56.89 | -13 | -43.89 | -71.05 | -63.82 | 1.06 | 10.14 | H |
| | 2798 | -56.00 | -13 | -43.00 | -70.86 | -63.69 | 1.22 | 11.06 | H |
| | 1399 | -60.38 | -13 | -47.38 | -70.47 | -65.02 | 0.84 | 7.64 | V |
| | 2098 | -57.87 | -13 | -44.87 | -70.92 | -64.80 | 1.06 | 10.14 | V |
| | 2798 | -55.87 | -13 | -42.87 | -70.67 | -63.56 | 1.22 | 11.06 | V |
| Middle | 1406 | -58.86 | -13 | -45.86 | -70.13 | -63.53 | 0.85 | 7.67 | H |
| | 2109 | -56.29 | -13 | -43.29 | -70.63 | -63.23 | 1.06 | 10.15 | H |
| | 2812 | -55.66 | -13 | -42.66 | -70.57 | -63.36 | 1.22 | 11.07 | H |
| | 1406 | -60.34 | -13 | -47.34 | -70.39 | -65.01 | 0.85 | 7.67 | V |
| | 2109 | -56.63 | -13 | -43.63 | -69.86 | -63.57 | 1.06 | 10.15 | V |
| | 2812 | -55.95 | -13 | -42.95 | -70.81 | -63.65 | 1.22 | 11.07 | V |
| Highest | 1413 | -58.81 | -13 | -45.81 | -70.05 | -63.51 | 0.85 | 7.70 | H |
| | 2119 | -56.06 | -13 | -43.06 | -70.57 | -63.01 | 1.07 | 10.17 | H |
| | 2826 | -55.97 | -13 | -42.97 | -70.93 | -63.68 | 1.23 | 11.09 | H |
| | 1413 | -60.13 | -13 | -47.13 | -70.15 | -64.83 | 0.85 | 7.70 | V |
| | 2119 | -57.17 | -13 | -44.17 | -70.55 | -64.12 | 1.07 | 10.17 | V |
| | 2826 | -56.08 | -13 | -43.08 | -71.01 | -63.79 | 1.23 | 11.09 | V |

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



LTE Band 13

| LTE Band 13 / 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 | 1554 | -60.54 | -13 | -47.54 | -70.84 | -65.81 | 0.89 | 8.31 | H |
| | 2332 | -56.10 | -13 | -43.10 | -70.94 | -63.30 | 1.11 | 10.46 | H |
| | 3109 | -55.06 | -13 | -42.06 | -70.82 | -63.18 | 1.29 | 11.56 | H |
| | 1554 | -61.29 | -13 | -48.29 | -70.90 | -66.56 | 0.89 | 8.31 | V |
| | 2332 | -57.01 | -13 | -44.01 | -71.40 | -64.21 | 1.11 | 10.46 | V |
| | 3109 | -55.21 | -13 | -42.21 | -71.31 | -63.33 | 1.29 | 11.56 | V |
| Middle | 1559 | -60.49 | -42.15 | -18.34 | -70.75 | -65.77 | 0.89 | 8.32 | H |
| | 2339 | -56.39 | -13 | -43.39 | -71.18 | -63.60 | 1.11 | 10.47 | H |
| | 3119 | -55.19 | -13 | -42.19 | -70.97 | -63.33 | 1.29 | 11.59 | H |
| | 1559 | -61.44 | -42.15 | -19.29 | -71.05 | -66.72 | 0.89 | 8.32 | V |
| | 2339 | -56.85 | -13 | -43.85 | -71.23 | -64.06 | 1.11 | 10.47 | V |
| | 3119 | -55.05 | -13 | -42.05 | -71.19 | -63.19 | 1.29 | 11.59 | V |
| Highest | 1564 | -60.72 | -42.15 | -18.57 | -70.94 | -66.02 | 0.89 | 8.34 | H |
| | 2347 | -56.23 | -13 | -43.23 | -70.96 | -63.45 | 1.12 | 10.49 | H |
| | 3129 | -55.44 | -13 | -42.44 | -71.25 | -63.61 | 1.29 | 11.61 | H |
| | 1564 | -60.97 | -42.15 | -18.82 | -70.57 | -66.27 | 0.89 | 8.34 | V |
| | 2347 | -56.95 | -13 | -43.95 | -71.32 | -64.17 | 1.12 | 10.49 | V |
| | 3129 | -55.21 | -13 | -42.21 | -71.39 | -63.38 | 1.29 | 11.61 | V |

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



| LTE Band 13 / 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) |
| Middle | 1555 | -60.53 | -13 | -47.53 | -70.82 | -65.80 | 0.89 | 8.31 | H |
| | 2332 | -56.51 | -13 | -43.51 | -71.35 | -63.71 | 1.11 | 10.46 | H |
| | 3110 | -55.32 | -13 | -42.32 | -71.08 | -63.45 | 1.29 | 11.56 | H |
| | 1555 | -61.35 | -13 | -48.35 | -70.96 | -66.62 | 0.89 | 8.31 | V |
| | 2332 | -57.01 | -13 | -44.01 | -71.4 | -64.21 | 1.11 | 10.46 | V |
| | 3110 | -54.84 | -13 | -41.84 | -70.95 | -62.96 | 1.29 | 11.56 | V |

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



LTE Band 17

| LTE Band 17 / 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 | 1411 | -58.87 | -13 | -45.87 | -70.12 | -63.56 | 0.85 | 7.69 | H |
| | 2116 | -56.04 | -13 | -43.04 | -70.50 | -62.99 | 1.07 | 10.16 | H |
| | 2822 | -56.13 | -13 | -43.13 | -71.07 | -63.84 | 1.23 | 11.09 | H |
| | 1411 | -60.06 | -13 | -47.06 | -70.09 | -64.75 | 0.85 | 7.69 | V |
| | 2116 | -57.23 | -13 | -44.23 | -70.56 | -64.18 | 1.07 | 10.16 | V |
| | 2822 | -56.45 | -13 | -43.45 | -71.35 | -64.16 | 1.23 | 11.09 | V |
| Middle | 1412 | -59.24 | -13 | -46.24 | -70.48 | -63.94 | 0.85 | 7.70 | H |
| | 2117 | -55.66 | -13 | -42.66 | -70.13 | -62.61 | 1.07 | 10.16 | H |
| | 2824 | -56.07 | -13 | -43.07 | -71.02 | -63.78 | 1.23 | 11.09 | H |
| | 1412 | -60.27 | -13 | -47.27 | -70.30 | -64.97 | 0.85 | 7.70 | V |
| | 2117 | -57.30 | -13 | -44.30 | -70.64 | -64.25 | 1.07 | 10.16 | V |
| | 2824 | -56.00 | -13 | -43.00 | -70.92 | -63.71 | 1.23 | 11.09 | V |
| Highest | 1413 | -58.84 | -13 | -45.84 | -70.08 | -63.54 | 0.85 | 7.70 | H |
| | 2119 | -56.23 | -13 | -43.23 | -70.74 | -63.18 | 1.07 | 10.17 | H |
| | 2826 | -56.22 | -13 | -43.22 | -71.18 | -63.93 | 1.23 | 11.09 | H |
| | 1413 | -60.53 | -13 | -47.53 | -70.55 | -65.23 | 0.85 | 7.70 | V |
| | 2119 | -57.36 | -13 | -44.36 | -70.74 | -64.31 | 1.07 | 10.17 | V |
| | 2826 | -56.15 | -13 | -43.15 | -71.08 | -63.86 | 1.23 | 11.09 | V |

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



LTE Band 66

| LTE Band 66 / 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 | 3422 | -53.56 | -13 | -40.56 | -69.89 | -64.53 | 1.35 | 12.31 | H |
| | 5133 | -48.12 | -13 | -35.12 | -69.84 | -59.26 | 1.64 | 12.79 | H |
| | 6844 | -42.81 | -13 | -29.81 | -68.31 | -53.19 | 1.74 | 12.12 | H |
| | 3422 | -52.92 | -13 | -39.92 | -69.67 | -63.89 | 1.35 | 12.31 | V |
| | 5133 | -48.30 | -13 | -35.30 | -69.77 | -59.44 | 1.64 | 12.79 | V |
| | 6844 | -42.86 | -13 | -29.86 | -67.97 | -53.24 | 1.74 | 12.12 | V |
| Middle | 3472 | -52.91 | -13 | -39.91 | -69.72 | -63.99 | 1.35 | 12.43 | H |
| | 5208 | -48.13 | -13 | -35.13 | -69.93 | -59.36 | 1.66 | 12.89 | H |
| | 6944 | -41.89 | -13 | -28.89 | -67.89 | -52.14 | 1.73 | 11.98 | H |
| | 3472 | -52.69 | -13 | -39.69 | -69.88 | -63.77 | 1.35 | 12.43 | V |
| | 5208 | -48.03 | -13 | -35.03 | -69.66 | -59.26 | 1.66 | 12.89 | V |
| | 6944 | -42.94 | -13 | -29.94 | -68.48 | -53.19 | 1.73 | 11.98 | V |
| Highest | 3522 | -52.29 | -13 | -39.29 | -69.54 | -63.44 | 1.37 | 12.51 | H |
| | 5283 | -47.17 | -13 | -34.17 | -69.25 | -58.48 | 1.68 | 13.00 | H |
| | 7044 | -43.83 | -13 | -30.83 | -70.26 | -53.92 | 1.74 | 11.83 | H |
| | 3522 | -52.24 | -13 | -39.24 | -69.77 | -63.39 | 1.37 | 12.51 | V |
| | 5283 | -47.68 | -13 | -34.68 | -69.49 | -58.99 | 1.68 | 13.00 | V |
| | 7044 | -44.01 | -13 | -31.01 | -69.99 | -54.10 | 1.74 | 11.83 | V |

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

————THE END————