



Appendix B. Test Results of Radiated Test

ERP/EIRP

| LTE Band 2 / 1.4MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 5 | 22.95 | 0.1972 | 25.95 | 0.3936 |
| Middle | | 1 | 5 | 23.03 | 0.2009 | 26.03 | 0.4009 |
| Highest | | 1 | 5 | 22.23 | 0.1671 | 25.23 | 0.3334 |
| Lowest | 16QAM | 3 | 1 | 21.94 | 0.1563 | 24.94 | 0.3119 |
| Middle | | 3 | 1 | 22.09 | 0.1618 | 25.09 | 0.3228 |
| Highest | | 3 | 1 | 21.28 | 0.1343 | 24.28 | 0.2679 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 3MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 14 | 23.11 | 0.2046 | 26.11 | 0.4083 |
| Middle | | 1 | 14 | 23.14 | 0.2061 | 26.14 | 0.4111 |
| Highest | | 1 | 14 | 22.38 | 0.1730 | 25.38 | 0.3451 |
| Lowest | 16QAM | 1 | 0 | 21.90 | 0.1549 | 24.90 | 0.3090 |
| Middle | | 1 | 0 | 22.17 | 0.1648 | 25.17 | 0.3289 |
| Highest | | 1 | 0 | 21.60 | 0.1445 | 24.60 | 0.2884 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 5MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 24 | 23.05 | 0.2018 | 26.05 | 0.4027 |
| Middle | | 1 | 24 | 22.97 | 0.1982 | 25.97 | 0.3954 |
| Highest | | 1 | 24 | 22.10 | 0.1622 | 25.10 | 0.3236 |
| Lowest | 16QAM | 1 | 0 | 21.85 | 0.1531 | 24.85 | 0.3055 |
| Middle | | 1 | 0 | 22.02 | 0.1592 | 25.02 | 0.3177 |
| Highest | | 1 | 0 | 21.41 | 0.1384 | 24.41 | 0.2761 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 2 / 10MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 25 | 23.10 | 0.2042 | 26.10 | 0.4074 |
| Middle | | 1 | 25 | 22.96 | 0.1977 | 25.96 | 0.3945 |
| Highest | | 1 | 25 | 22.40 | 0.1738 | 25.40 | 0.3467 |
| Lowest | 16QAM | 1 | 25 | 22.11 | 0.1626 | 25.11 | 0.3243 |
| Middle | | 1 | 25 | 22.03 | 0.1596 | 25.03 | 0.3184 |
| Highest | | 1 | 25 | 21.45 | 0.1396 | 24.45 | 0.2786 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 15MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 23.12 | 0.2051 | 26.12 | 0.4093 |
| Middle | | 1 | 37 | 23.00 | 0.1995 | 26.00 | 0.3981 |
| Highest | | 1 | 37 | 22.50 | 0.1778 | 25.50 | 0.3548 |
| Lowest | 16QAM | 1 | 37 | 22.12 | 0.1629 | 25.12 | 0.3251 |
| Middle | | 1 | 37 | 21.99 | 0.1581 | 24.99 | 0.3155 |
| Highest | | 1 | 37 | 21.49 | 0.1409 | 24.49 | 0.2812 |
| Limit | EIRP < 2W | | | Result | | PASS | |

| LTE Band 2 / 20MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 49 | 23.31 | 0.2143 | 26.31 | 0.4276 |
| Middle | | 1 | 49 | 23.05 | 0.2018 | 26.05 | 0.4027 |
| Highest | | 1 | 49 | 22.70 | 0.1862 | 25.70 | 0.3715 |
| Lowest | 16QAM | 1 | 49 | 22.29 | 0.1694 | 25.29 | 0.3381 |
| Middle | | 1 | 49 | 22.13 | 0.1633 | 25.13 | 0.3258 |
| Highest | | 1 | 49 | 21.73 | 0.1489 | 24.73 | 0.2972 |
| Limit | EIRP < 2W | | | Result | | PASS | |



| LTE Band 4 / 1.4MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 3 | 3 | 22.70 | 0.1862 | 25.70 | 0.3715 |
| Middle | | 3 | 3 | 23.11 | 0.2046 | 26.11 | 0.4083 |
| Highest | | 3 | 3 | 22.51 | 0.1782 | 25.51 | 0.3556 |
| Lowest | 16QAM | 3 | 3 | 21.75 | 0.1496 | 24.75 | 0.2985 |
| Middle | | 3 | 3 | 22.18 | 0.1652 | 25.18 | 0.3296 |
| Highest | | 3 | 3 | 21.61 | 0.1449 | 24.61 | 0.2891 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 3MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 14 | 23.13 | 0.2056 | 26.13 | 0.4102 |
| Middle | | 1 | 14 | 23.25 | 0.2113 | 26.25 | 0.4217 |
| Highest | | 1 | 14 | 22.65 | 0.1841 | 25.65 | 0.3673 |
| Lowest | 16QAM | 1 | 8 | 22.50 | 0.1778 | 25.50 | 0.3548 |
| Middle | | 1 | 8 | 22.18 | 0.1652 | 25.18 | 0.3296 |
| Highest | | 1 | 8 | 22.36 | 0.1722 | 25.36 | 0.3436 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 5MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|--|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 12 | 22.72 | 0.1871 | 25.72 | 0.3733 |
| Middle | | 1 | 12 | 22.92 | 0.1959 | 25.92 | 0.3908 |
| Highest | | 1 | 12 | 22.59 | 0.1816 | 25.59 | 0.3622 |
| Lowest | 16QAM | 1 | 12 | 22.01 | 0.1589 | 25.01 | 0.3170 |
| Middle | | 1 | 12 | 22.01 | 0.1589 | 25.01 | 0.3170 |
| Highest | | 1 | 12 | 21.97 | 0.1574 | 24.97 | 0.3141 |
| Limit | EIRP < 1W | | | Result | | PASS | |



| LTE Band 4 / 10MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 25 | 22.92 | 0.1959 | 25.92 | 0.3908 |
| Middle | | 1 | 25 | 23.00 | 0.1995 | 26.00 | 0.3981 |
| Highest | | 1 | 25 | 22.62 | 0.1828 | 25.62 | 0.3648 |
| Lowest | 16QAM | 1 | 49 | 22.33 | 0.1710 | 25.33 | 0.3412 |
| Middle | | 1 | 49 | 21.97 | 0.1574 | 24.97 | 0.3141 |
| Highest | | 1 | 49 | 21.55 | 0.1429 | 24.55 | 0.2851 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 15MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 37 | 22.91 | 0.1954 | 25.91 | 0.3899 |
| Middle | | 1 | 37 | 22.90 | 0.1950 | 25.90 | 0.3890 |
| Highest | | 1 | 37 | 22.62 | 0.1828 | 25.62 | 0.3648 |
| Lowest | 16QAM | 1 | 37 | 22.32 | 0.1706 | 25.32 | 0.3404 |
| Middle | | 1 | 37 | 22.08 | 0.1614 | 25.08 | 0.3221 |
| Highest | | 1 | 37 | 21.97 | 0.1574 | 24.97 | 0.3141 |
| Limit | EIRP < 1W | | | Result | | PASS | |

| LTE Band 4 / 20MHz (Average) (GT - LC = 3 dB) | | | | | | | |
|---|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 0 | 22.80 | 0.1905 | 25.80 | 0.3802 |
| Middle | | 1 | 0 | 22.84 | 0.1923 | 25.84 | 0.3837 |
| Highest | | 1 | 0 | 23.10 | 0.2042 | 26.10 | 0.4074 |
| Lowest | 16QAM | 1 | 0 | 21.99 | 0.1581 | 24.99 | 0.3155 |
| Middle | | 1 | 0 | 21.83 | 0.1524 | 24.83 | 0.3041 |
| Highest | | 1 | 0 | 22.39 | 0.1734 | 25.39 | 0.3459 |
| Limit | EIRP < 1W | | | Result | | PASS | |