

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Spurious Emissions

Note: The worst channel results are reflected in the report.

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

LTE band 2

Test result:

Channel 19100

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.46 | -48.54 | -13 | Vertical |
| 2780.13 | -47.61 | -13 | Vertical |
| 3725.26 | -41.21 | -13 | Vertical |
| 6677.62 | -40.03 | -13 | Vertical |
| 9961.49 | -37.75 | -13 | Vertical |
| 17819.21 | -34.19 | -13 | Vertical |

Channel 18900

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.90 | -49.07 | -13 | Vertical |
| 2780.22 | -47.44 | -13 | Vertical |
| 3726.28 | -40.59 | -13 | Vertical |
| 6675.43 | -39.22 | -13 | Vertical |
| 9962.73 | -37.51 | -13 | Vertical |
| 17819.94 | -33.71 | -13 | Vertical |

Channel 19100

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2457.93 | -48.61 | -13 | Vertical |
| 2779.46 | -47.33 | -13 | Vertical |
| 3725.23 | -40.87 | -13 | Vertical |
| 6676.78 | -39.96 | -13 | Vertical |
| 9960.21 | -37.05 | -13 | Vertical |
| 17818.86 | -33.72 | -13 | Vertical |

LTE band 4

Test result:
Channel 20050

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2459.25 | -48.75 | -13 | Vertical |
| 2778.32 | -47.02 | -13 | Vertical |
| 3726.63 | -40.96 | -13 | Vertical |
| 6677.77 | -40.04 | -13 | Vertical |
| 9961.67 | -36.88 | -13 | Vertical |
| 17819.65 | -34.38 | -13 | Vertical |

Channel 20175

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2459.89 | -48.92 | -13 | Vertical |
| 2779.60 | -47.09 | -13 | Vertical |
| 3724.66 | -41.29 | -13 | Vertical |
| 6678.37 | -40.08 | -13 | Vertical |
| 9960.64 | -37.63 | -13 | Vertical |
| 17820.91 | -33.57 | -13 | Vertical |

Channel 20300

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.94 | -48.62 | -13 | Vertical |
| 2780.52 | -47.64 | -13 | Vertical |
| 3727.33 | -41.22 | -13 | Vertical |
| 6678.19 | -39.58 | -13 | Vertical |
| 9962.08 | -37.03 | -13 | Vertical |
| 17821.31 | -34.03 | -13 | Vertical |

LTE band 5

Test result:
Channel 20450

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1647.17 | -52.60 | -13 | Vertical |
| 1667.89 | -51.32 | -13 | Vertical |
| 2532.44 | -44.73 | -13 | Vertical |
| 2577.04 | -44.44 | -13 | Vertical |
| 8963.24 | -39.60 | -13 | Vertical |
| 9969.94 | -36.22 | -13 | Vertical |

Channel 20525

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1650.16 | -53.45 | -13 | Vertical |
| 1667.17 | -51.32 | -13 | Vertical |
| 2532.75 | -44.36 | -13 | Vertical |
| 2575.63 | -43.84 | -13 | Vertical |
| 8962.30 | -39.08 | -13 | Vertical |
| 9971.02 | -36.82 | -13 | Vertical |

Channel 20600

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1649.70 | -53.00 | -13 | Vertical |
| 1665.33 | -51.18 | -13 | Vertical |
| 2533.84 | -44.69 | -13 | Vertical |
| 2575.30 | -44.14 | -13 | Vertical |
| 8961.21 | -39.69 | -13 | Vertical |
| 9973.23 | -36.07 | -13 | Vertical |

LTE band 7

Test result:

Channel 20850

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2458.18 | -48.89 | -25 | Vertical |
| 2781.88 | -47.34 | -25 | Vertical |
| 3726.28 | -40.68 | -25 | Vertical |
| 6677.18 | -40.09 | -25 | Vertical |
| 9963.19 | -37.72 | -25 | Vertical |
| 17820.64 | -33.70 | -25 | Vertical |

Channel 21100

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2458.90 | -48.69 | -25 | Vertical |
| 2780.15 | -47.22 | -25 | Vertical |
| 3728.23 | -41.19 | -25 | Vertical |
| 6676.65 | -39.46 | -25 | Vertical |
| 9960.56 | -37.30 | -25 | Vertical |
| 17821.74 | -33.73 | -25 | Vertical |

Channel 21350

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.85 | -49.26 | -25 | Vertical |
| 2778.88 | -47.29 | -25 | Vertical |
| 3727.26 | -40.35 | -25 | Vertical |
| 6677.29 | -39.55 | -25 | Vertical |
| 9960.74 | -37.14 | -25 | Vertical |
| 17820.51 | -33.75 | -25 | Vertical |

LTE band 12

Test result:

Channel 23060

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1647.31 | -52.52 | -13 | Vertical |
| 1667.27 | -51.70 | -13 | Vertical |
| 2534.64 | -44.65 | -13 | Vertical |
| 2575.46 | -44.16 | -13 | Vertical |
| 8963.37 | -39.57 | -13 | Vertical |
| 9969.68 | -36.14 | -13 | Vertical |

Channel 23095

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1646.63 | -52.57 | -13 | Vertical |
| 1667.41 | -51.53 | -13 | Vertical |
| 2533.01 | -44.46 | -13 | Vertical |
| 2577.26 | -44.01 | -13 | Vertical |
| 8964.65 | -39.34 | -13 | Vertical |
| 9970.29 | -36.41 | -13 | Vertical |

Channel 23130

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1648.37 | -53.46 | -13 | Vertical |
| 1668.02 | -51.44 | -13 | Vertical |
| 2532.61 | -44.79 | -13 | Vertical |
| 2577.03 | -44.56 | -13 | Vertical |
| 8961.47 | -39.41 | -13 | Vertical |
| 9970.67 | -36.50 | -13 | Vertical |

LTE band 13

Test result:

Channel 23205

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1646.63 | -52.63 | -13 | Vertical |
| 1666.59 | -51.23 | -13 | Vertical |
| 2535.32 | -44.79 | -13 | Vertical |
| 2578.51 | -44.10 | -13 | Vertical |
| 8961.48 | -39.97 | -13 | Vertical |
| 9970.05 | -36.42 | -13 | Vertical |

Channel 23230

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1649.73 | -53.03 | -13 | Vertical |
| 1666.29 | -50.86 | -13 | Vertical |
| 2533.92 | -44.06 | -13 | Vertical |
| 2575.96 | -43.72 | -13 | Vertical |
| 8963.16 | -39.14 | -13 | Vertical |
| 9973.57 | -36.61 | -13 | Vertical |

Channel 23255

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1649.72 | -53.06 | -13 | Vertical |
| 1665.37 | -51.73 | -13 | Vertical |
| 2533.19 | -44.27 | -13 | Vertical |
| 2577.33 | -44.61 | -13 | Vertical |
| 8960.97 | -39.55 | -13 | Vertical |
| 9973.37 | -36.27 | -13 | Vertical |

LTE band 17

Test result:

Channel 23780

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1648.31 | -52.63 | -13 | Vertical |
| 1668.55 | -51.13 | -13 | Vertical |
| 2532.72 | -44.67 | -13 | Vertical |
| 2576.26 | -43.79 | -13 | Vertical |
| 8964.24 | -39.68 | -13 | Vertical |
| 9970.86 | -36.82 | -13 | Vertical |

Channel 23790

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1646.53 | -53.24 | -13 | Vertical |
| 1666.82 | -50.96 | -13 | Vertical |
| 2536.25 | -44.22 | -13 | Vertical |
| 2575.28 | -43.66 | -13 | Vertical |
| 8961.27 | -39.12 | -13 | Vertical |
| 9973.32 | -36.07 | -13 | Vertical |

Channel 23800

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 1647.20 | -53.25 | -13 | Vertical |
| 1664.92 | -50.99 | -13 | Vertical |
| 2533.98 | -44.18 | -13 | Vertical |
| 2576.06 | -43.77 | -13 | Vertical |
| 8963.40 | -39.65 | -13 | Vertical |
| 9973.14 | -36.85 | -13 | Vertical |

LTE band 38

Test result:

Channel 37850

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2461.07 | -49.01 | -13 | Vertical |
| 2781.66 | -46.88 | -13 | Vertical |
| 3724.86 | -40.65 | -13 | Vertical |
| 6678.69 | -39.47 | -13 | Vertical |
| 9959.97 | -37.41 | -13 | Vertical |
| 17819.35 | -33.49 | -13 | Vertical |

Channel 38000

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.83 | -48.52 | -13 | Vertical |
| 2781.87 | -47.62 | -13 | Vertical |
| 3725.11 | -40.67 | -13 | Vertical |
| 6676.52 | -39.46 | -13 | Vertical |
| 9962.77 | -37.38 | -13 | Vertical |
| 17821.12 | -34.04 | -13 | Vertical |

Channel 38150

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2459.33 | -49.28 | -13 | Vertical |
| 2780.62 | -46.97 | -13 | Horizontal |
| 3724.55 | -41.17 | -13 | Vertical |
| 6675.34 | -39.84 | -13 | Vertical |
| 9959.49 | -37.73 | -13 | Vertical |
| 17821.89 | -33.75 | -13 | Vertical |

LTE band 66

Test result:

Channel 132072

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2461.25 | -48.59 | -13 | Vertical |
| 2779.08 | -47.40 | -13 | Vertical |
| 3726.55 | -41.05 | -13 | Vertical |
| 6677.92 | -39.86 | -13 | Vertical |
| 9963.03 | -37.46 | -13 | Vertical |
| 17819.28 | -34.16 | -13 | Vertical |

Channel 132322

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2459.09 | -49.16 | -13 | Vertical |
| 2780.14 | -46.92 | -13 | Vertical |
| 3726.79 | -40.62 | -13 | Vertical |
| 6675.07 | -39.68 | -13 | Vertical |
| 9961.73 | -37.07 | -13 | Vertical |
| 17821.69 | -34.31 | -13 | Vertical |

Channel 132572

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|-----------------|-------------|---------------|--------------|
| 2460.28 | -49.16 | -13 | Vertical |
| 2780.33 | -47.15 | -13 | Vertical |
| 3724.98 | -40.36 | -13 | Vertical |
| 6677.23 | -39.70 | -13 | Vertical |
| 9961.24 | -37.15 | -13 | Vertical |
| 17821.49 | -33.85 | -13 | Vertical |

---The end of the test report---