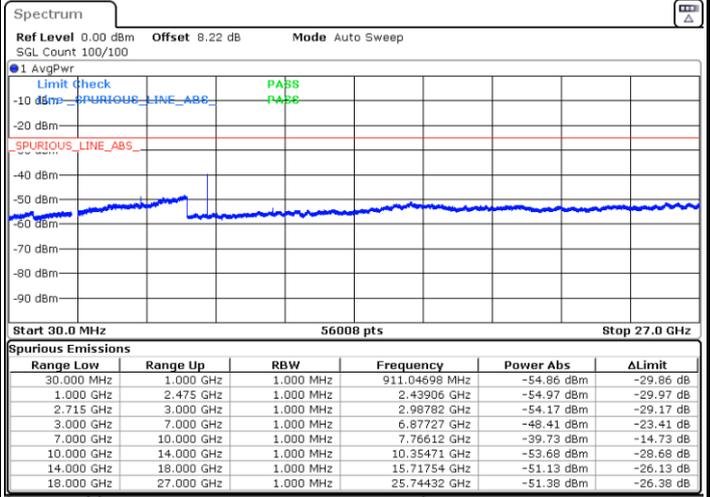
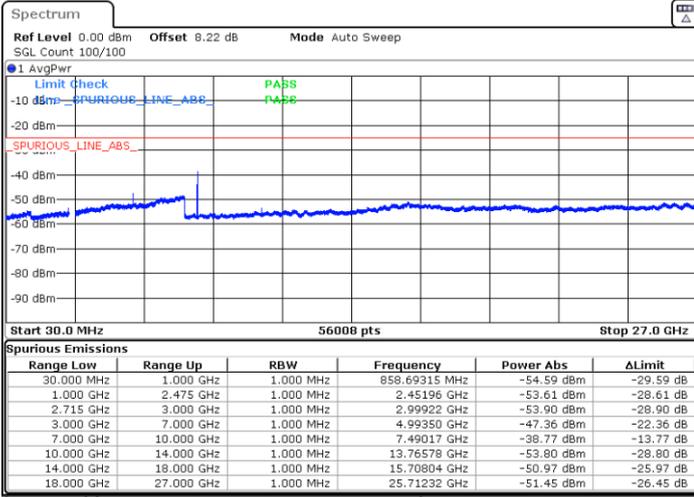




LTE Band 41 / 10MHz

Lowest Channel / QPSK

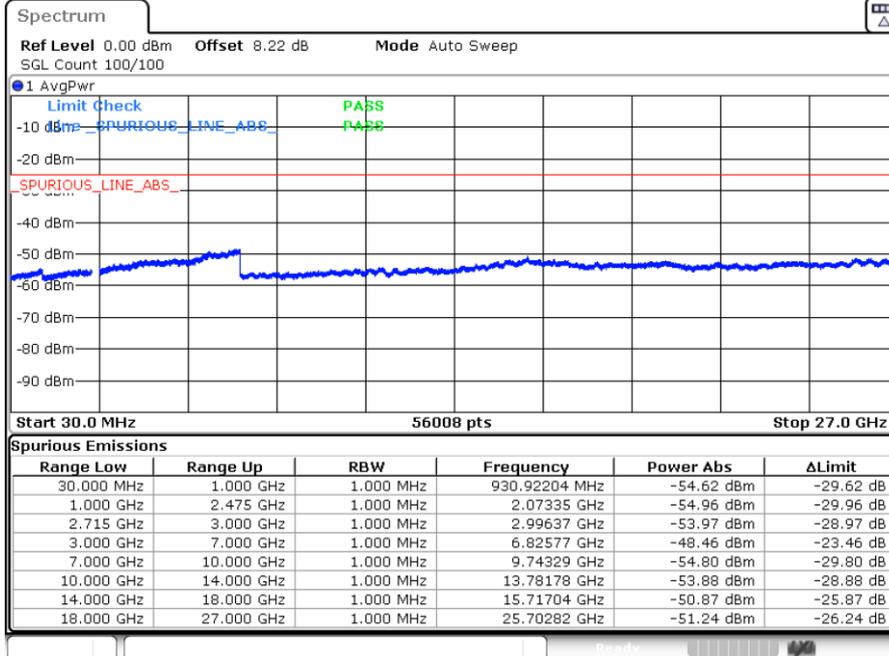
Middle Channel / QPSK



Date: 20.NOV.2024 21:17:45

Date: 20.NOV.2024 21:34:11

Highest Channel / QPSK



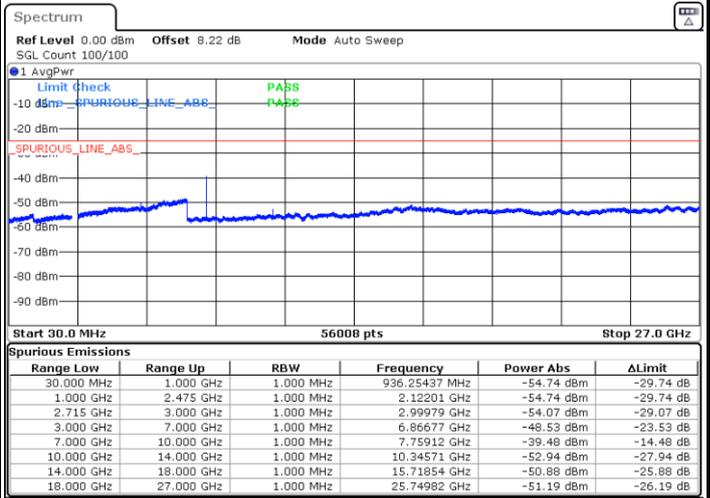
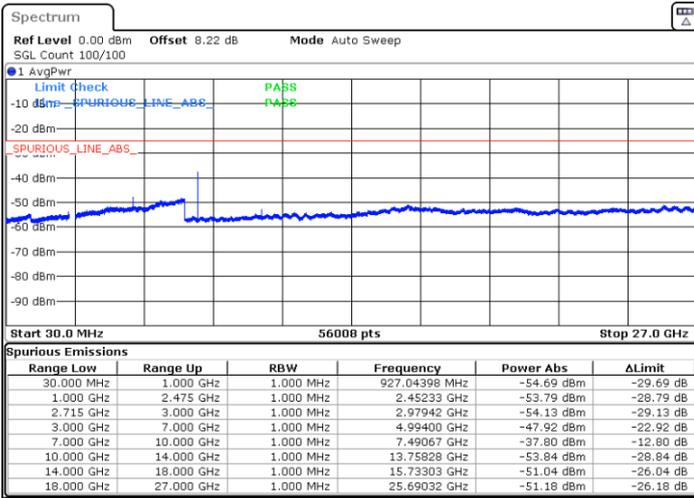
Date: 20.NOV.2024 21:35:33



LTE Band 41 / 15MHz

Lowest Channel / QPSK

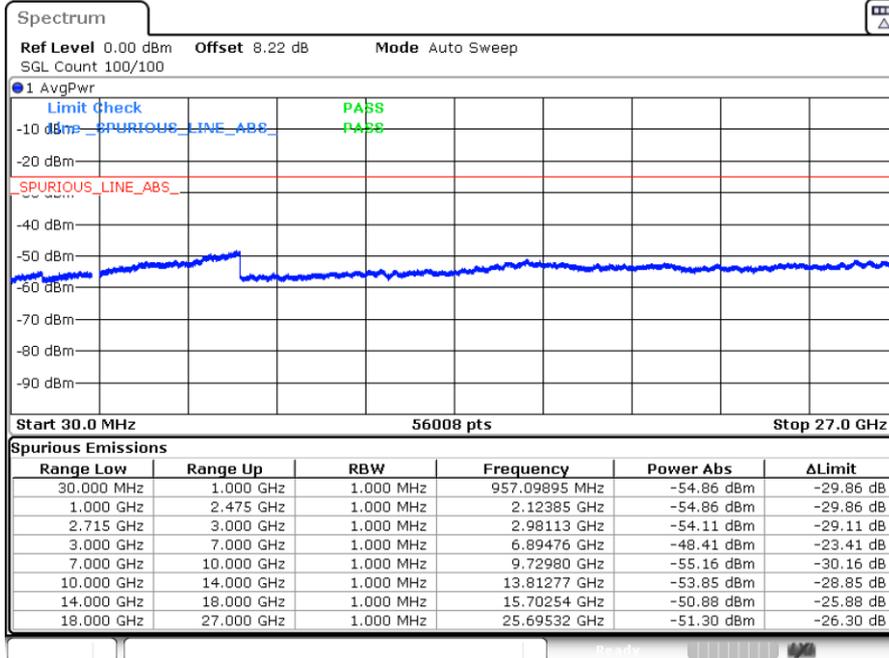
Middle Channel / QPSK



Date: 20.NOV.2024 21:51:46

Date: 20.NOV.2024 22:08:11

Highest Channel / QPSK



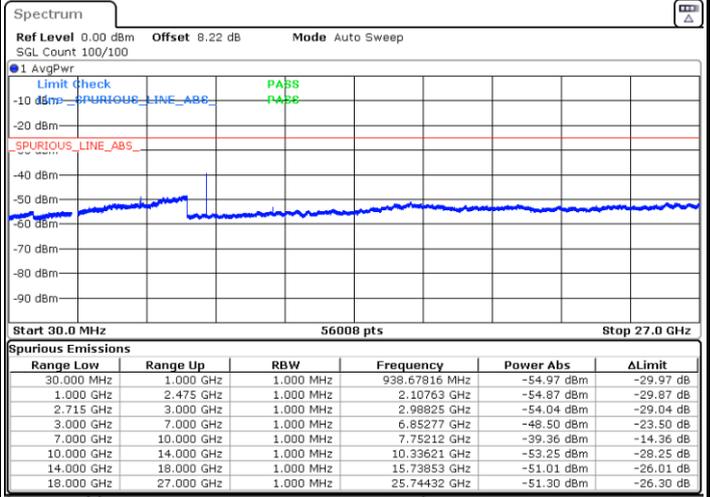
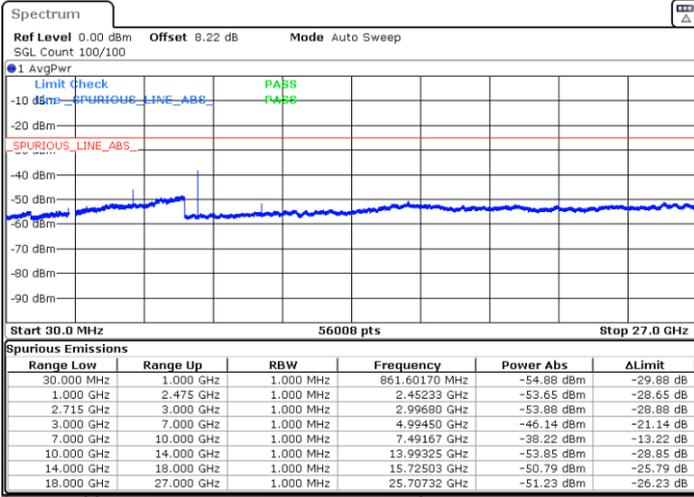
Date: 20.NOV.2024 22:09:33



LTE Band 41 / 20MHz

Lowest Channel / QPSK

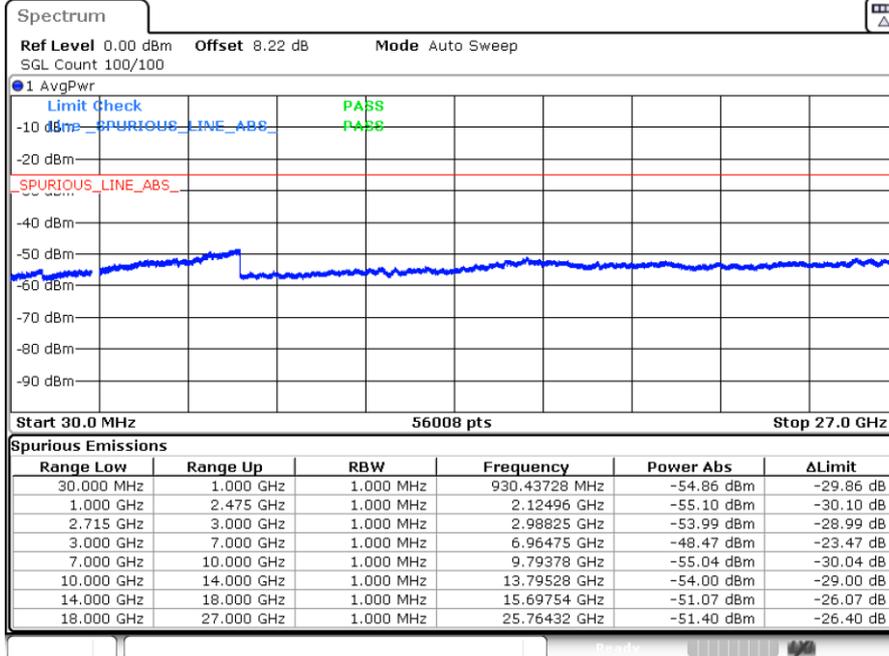
Middle Channel / QPSK



Date: 20.NOV.2024 22:25:45

Date: 20.NOV.2024 22:42:11

Highest Channel / QPSK



Date: 20.NOV.2024 22:43:33



Frequency Stability

| Test Conditions | | LTE Band 41 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0024 | PASS |
| 40 | Normal Voltage | 0.0012 | |
| 30 | Normal Voltage | 0.0009 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0015 | |
| 0 | Normal Voltage | 0.0078 | |
| -10 | Normal Voltage | 0.0043 | |
| -20 | Normal Voltage | 0.0022 | |
| -30 | Normal Voltage | 0.0015 | |
| 20 | Maximum Voltage | 0.0042 | |
| 20 | Normal Voltage | 0.0029 | |
| 20 | Battery End Point | 0.0011 | |

Note:

1. Normal Voltage =3.69 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.1V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

| | | | |
|-----------------|-------|---------------------|---------|
| Test Engineer : | Bruce | Temperature : | 23~25°C |
| | | Relative Humidity : | 41~42% |

RSE pretest all the supported Antennas, only the worst results are shown in the report.

| LTE Band 7 / 20MHz / QPSK / ANT 5 | | | | | | | | |
|-----------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5652 | -64.14 | -25 | -39.14 | -74.35 | 3.03 | 13.24 | H |
| | 7584 | -59.90 | -25 | -34.90 | -69.35 | 3.56 | 13.01 | H |
| | 10104 | -60.18 | -25 | -35.18 | -69.70 | 3.92 | 13.44 | H |
| | 5652 | -64.31 | -25 | -39.31 | -74.52 | 3.03 | 13.24 | V |
| | 7584 | -54.72 | -25 | -29.72 | -64.17 | 3.56 | 13.01 | V |
| | 10104 | -59.26 | -25 | -34.26 | -68.78 | 3.92 | 13.44 | V |

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

| LTE Band 7 / 20MHz / QPSK / ANT 7---Other PA | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5050 | -63.26 | -25 | -38.26 | -73.47 | 3.03 | 13.24 | H |
| | 7584 | -61.77 | -25 | -36.77 | -71.22 | 3.56 | 13.01 | H |
| | 10104 | -59.16 | -25 | -34.16 | -68.68 | 3.92 | 13.44 | H |
| | 5050 | -62.97 | -25 | -37.97 | -73.18 | 3.03 | 13.24 | V |
| | 7584 | -57.26 | -25 | -32.26 | -66.71 | 3.56 | 13.01 | V |
| | 10104 | -56.52 | -25 | -31.52 | -66.04 | 3.92 | 13.44 | V |

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

| DC_7A_n5A / 20MHz / QPSK / ANT 7---Other PA | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5050 | -57.29 | -25 | -32.29 | -67.50 | 3.03 | 13.24 | H |
| | 7584 | -58.54 | -25 | -33.54 | -67.99 | 3.56 | 13.01 | H |
| | 10104 | -60.11 | -25 | -35.11 | -69.63 | 3.92 | 13.44 | H |
| | 5050 | -61.53 | -25 | -36.53 | -71.74 | 3.03 | 13.24 | V |
| | 7584 | -53.89 | -25 | -28.89 | -63.34 | 3.56 | 13.01 | V |
| | 10104 | -55.84 | -25 | -30.84 | -65.36 | 3.92 | 13.44 | V |

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



| DC_7A_n78A / 20MHz / QPSK / ANT 7---Other PA | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5050 | -63.03 | -25 | -38.03 | -73.24 | 3.03 | 13.24 | H |
| | 7584 | -59.20 | -25 | -34.20 | -68.65 | 3.56 | 13.01 | H |
| | 10104 | -60.69 | -25 | -35.69 | -70.21 | 3.92 | 13.44 | H |
| | 5050 | -62.58 | -25 | -37.58 | -72.79 | 3.03 | 13.24 | V |
| | 7584 | -53.84 | -25 | -28.84 | -63.29 | 3.56 | 13.01 | V |
| | 10104 | -60.94 | -25 | -35.94 | -70.46 | 3.92 | 13.44 | V |

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

| LTE Band 41 / 20MHz / QPSK/ ANT 5 | | | | | | | | |
|-----------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5162 | -63.30 | -25 | -38.30 | -73.51 | 3.03 | 13.24 | H |
| | 7752 | -53.66 | -25 | -28.66 | -63.11 | 3.56 | 13.01 | H |
| | 10342 | -61.24 | -25 | -36.24 | -70.76 | 3.92 | 13.44 | H |
| | 5162 | -63.34 | -25 | -38.34 | -73.55 | 3.03 | 13.24 | V |
| | 7752 | -45.95 | -25 | -20.95 | -55.40 | 3.56 | 13.01 | V |
| | 10342 | -56.76 | -25 | -31.76 | -66.28 | 3.92 | 13.44 | V |

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

| LTE Band 41 / 20MHz / QPSK/ ANT 7---Other PA | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5162 | -63.42 | -25 | -38.42 | -73.63 | 3.03 | 13.24 | H |
| | 7752 | -60.93 | -25 | -35.93 | -70.38 | 3.56 | 13.01 | H |
| | 10342 | -61.00 | -25 | -36.00 | -70.52 | 3.92 | 13.44 | H |
| | 5162 | -63.54 | -25 | -38.54 | -73.75 | 3.03 | 13.24 | V |
| | 7752 | -59.60 | -25 | -34.60 | -69.05 | 3.56 | 13.01 | V |
| | 10342 | -58.56 | -25 | -33.56 | -68.08 | 3.92 | 13.44 | V |

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

| DC_41A_n77A / 20MHz / QPSK / ANT 7---Other PA | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5162 | -63.53 | -25 | -38.53 | -73.74 | 3.03 | 13.24 | H |
| | 7752 | -55.08 | -25 | -30.08 | -64.53 | 3.56 | 13.01 | H |
| | 10342 | -61.54 | -25 | -36.54 | -71.06 | 3.92 | 13.44 | H |
| | 5162 | -63.57 | -25 | -38.57 | -73.78 | 3.03 | 13.24 | V |
| | 7752 | -47.21 | -25 | -22.21 | -56.66 | 3.56 | 13.01 | V |
| | 10342 | -58.00 | -25 | -33.00 | -67.52 | 3.92 | 13.44 | V |

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



| LTE CA_7C / 20MHz+20MHz / QPSK/ ANT 5 | | | | | | | | |
|---------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| PCC 1RB0: | | | | | | | | |
| Middle | 5036 | -62.97 | -25 | -37.97 | -73.18 | 3.03 | 13.24 | H |
| | 7542 | -61.30 | -25 | -36.30 | -70.75 | 3.56 | 13.01 | H |
| | 10062 | -61.34 | -25 | -36.34 | -70.86 | 3.92 | 13.44 | H |
| | 5036 | -63.20 | -25 | -38.20 | -73.41 | 3.03 | 13.24 | V |
| | 7542 | -61.61 | -25 | -36.61 | -71.06 | 3.56 | 13.01 | V |
| | 10062 | -62.01 | -25 | -37.01 | -71.53 | 3.92 | 13.44 | V |
| SCC 1RBMAX: | | | | | | | | |
| Middle | 5064 | -62.98 | -25 | -37.98 | -73.19 | 3.03 | 13.24 | H |
| | 7612 | -61.38 | -25 | -36.38 | -70.83 | 3.56 | 13.01 | H |
| | 10146 | -60.84 | -25 | -35.84 | -70.36 | 3.92 | 13.44 | H |
| | 5064 | -63.37 | -25 | -38.37 | -73.58 | 3.03 | 13.24 | V |
| | 7612 | -61.54 | -25 | -36.54 | -70.99 | 3.56 | 13.01 | V |
| | 10146 | -60.75 | -25 | -35.75 | -70.27 | 3.92 | 13.44 | V |

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

| LTE CA_7C / 20MHz+20MHz / QPSK/ ANT 7---Other PA | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| PCC 1RB0: | | | | | | | | |
| Middle | 5036 | -63.18 | -25 | -38.18 | -73.39 | 3.03 | 13.24 | H |
| | 7542 | -61.45 | -25 | -36.45 | -70.90 | 3.56 | 13.01 | H |
| | 10062 | -61.59 | -25 | -36.59 | -71.11 | 3.92 | 13.44 | H |
| | 5036 | -63.25 | -25 | -38.25 | -73.46 | 3.03 | 13.24 | V |
| | 7542 | -61.44 | -25 | -36.44 | -70.89 | 3.56 | 13.01 | V |
| | 10062 | -62.01 | -25 | -37.01 | -71.53 | 3.92 | 13.44 | V |
| SCC 1RBMAX: | | | | | | | | |
| Middle | 5064 | -63.22 | -25 | -38.22 | -73.43 | 3.03 | 13.24 | H |
| | 7612 | -61.64 | -25 | -36.64 | -71.09 | 3.56 | 13.01 | H |
| | 10146 | -60.98 | -25 | -35.98 | -70.50 | 3.92 | 13.44 | H |
| | 5064 | -63.52 | -25 | -38.52 | -73.73 | 3.03 | 13.24 | V |
| | 7612 | -61.39 | -25 | -36.39 | -70.84 | 3.56 | 13.01 | V |
| | 10146 | -61.18 | -25 | -36.18 | -70.70 | 3.92 | 13.44 | V |

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



| LTE CA_38C / 20MHz+20MHz / QPSK/ ANT 5 | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| PCC 1RB0: | | | | | | | | |
| Middle | 5148 | -63.44 | -25 | -38.44 | -73.65 | 3.03 | 13.24 | H |
| | 7724 | -60.97 | -25 | -35.97 | -70.42 | 3.56 | 13.01 | H |
| | 10300 | -60.92 | -25 | -35.92 | -70.44 | 3.92 | 13.44 | H |
| | 5148 | -63.49 | -25 | -38.49 | -73.70 | 3.03 | 13.24 | V |
| | 7724 | -59.13 | -25 | -34.13 | -68.58 | 3.56 | 13.01 | V |
| | 10300 | -61.82 | -25 | -36.82 | -71.34 | 3.92 | 13.44 | V |
| SCC 1RBMAX: | | | | | | | | |
| Middle | 5190 | -63.41 | -25 | -38.41 | -73.62 | 3.03 | 13.24 | H |
| | 7780 | -61.33 | -25 | -36.33 | -70.78 | 3.56 | 13.01 | H |
| | 10384 | -61.07 | -25 | -36.07 | -70.59 | 3.92 | 13.44 | H |
| | 5190 | -63.56 | -25 | -38.56 | -73.77 | 3.03 | 13.24 | V |
| | 7780 | -61.34 | -25 | -36.34 | -70.79 | 3.56 | 13.01 | V |
| | 10384 | -61.85 | -25 | -36.85 | -71.37 | 3.92 | 13.44 | V |

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

| LTE CA_38C / 15MHz+15MHz / QPSK/ ANT 5---Other PA | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| PCC 1RB0: | | | | | | | | |
| Middle | 5162 | -63.18 | -25 | -38.18 | -73.39 | 3.03 | 13.24 | H |
| | 7738 | -60.93 | -25 | -35.93 | -70.38 | 3.56 | 13.01 | H |
| | 10328 | -61.41 | -25 | -36.41 | -70.93 | 3.92 | 13.44 | H |
| | 5162 | -63.28 | -25 | -38.28 | -73.49 | 3.03 | 13.24 | V |
| | 7738 | -60.95 | -25 | -35.95 | -70.40 | 3.56 | 13.01 | V |
| | 10328 | -61.81 | -25 | -36.81 | -71.33 | 3.92 | 13.44 | V |
| SCC 1RBMAX: | | | | | | | | |
| Middle | 5190 | -63.40 | -25 | -38.40 | -73.61 | 3.03 | 13.24 | H |
| | 7780 | -61.48 | -25 | -36.48 | -70.93 | 3.56 | 13.01 | H |
| | 10384 | -61.38 | -25 | -36.38 | -70.90 | 3.92 | 13.44 | H |
| | 5190 | -63.55 | -25 | -38.55 | -73.76 | 3.03 | 13.24 | V |
| | 7780 | -61.54 | -25 | -36.54 | -70.99 | 3.56 | 13.01 | V |
| | 10384 | -61.63 | -25 | -36.63 | -71.15 | 3.92 | 13.44 | V |

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