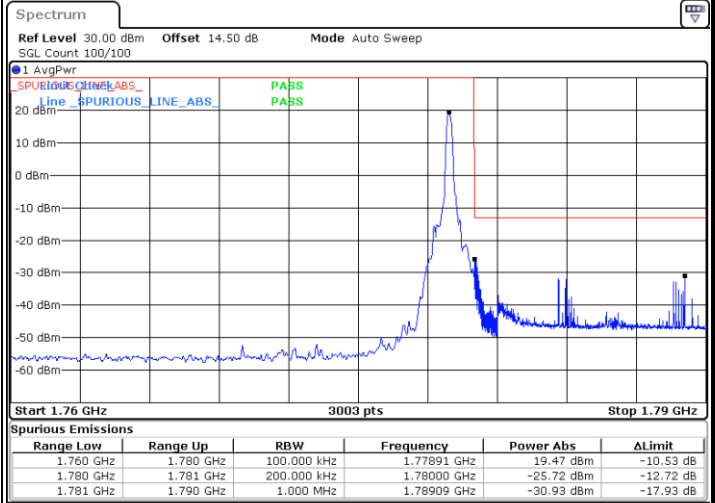
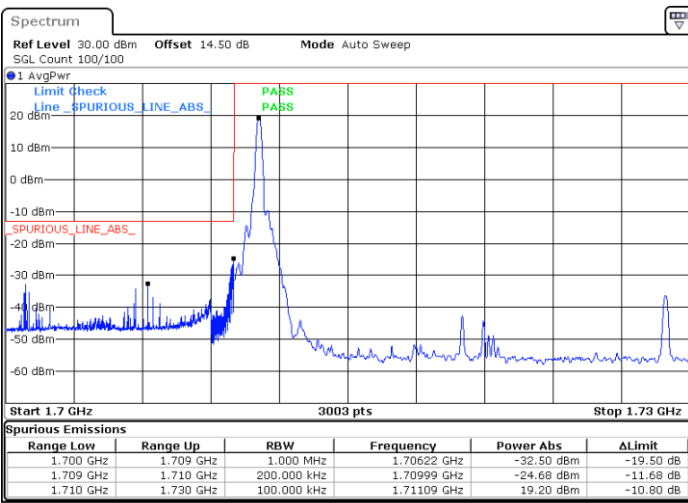




LTE Band 66 / 20MHz / 16QAM

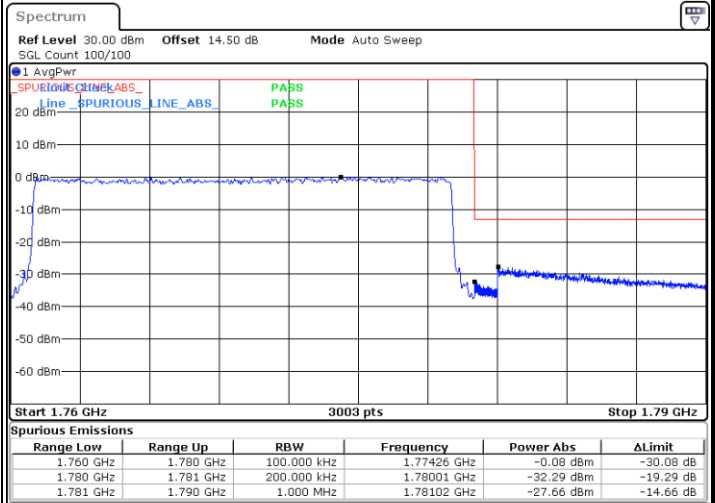
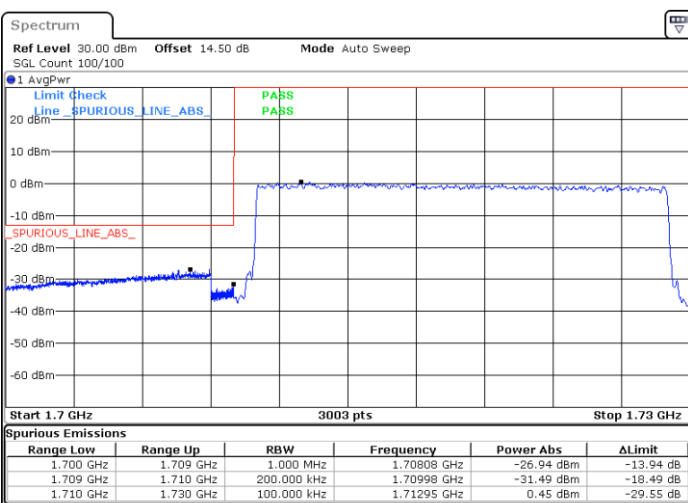
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

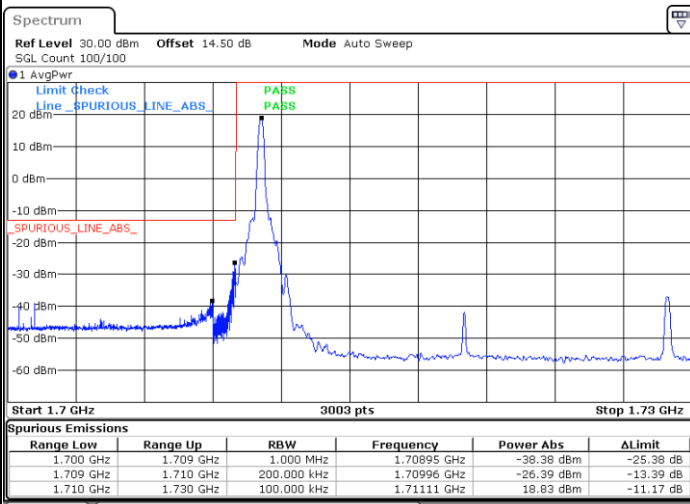
Highest Band Edge / Full RB



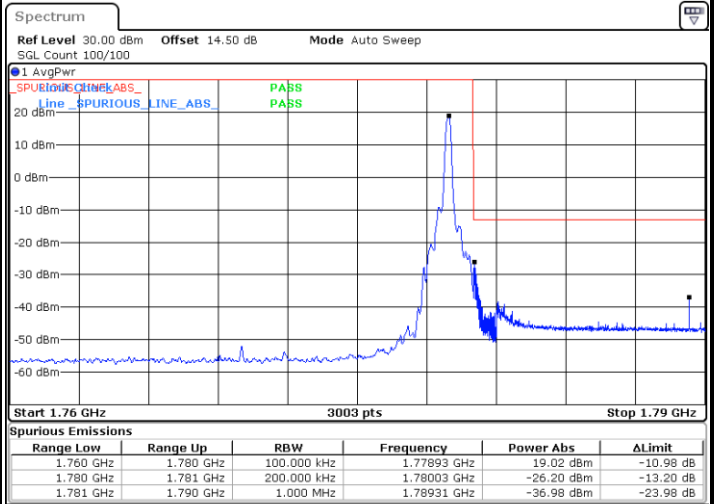


LTE Band 66 / 20MHz / 64QAM

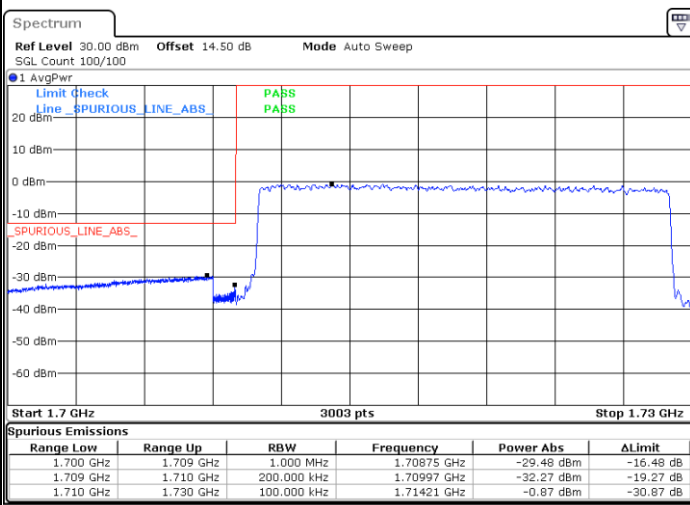
Lowest Band Edge / 1 RB



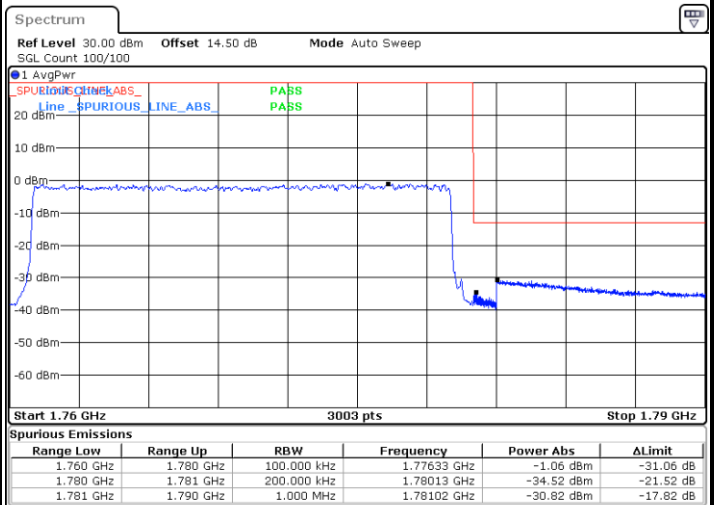
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



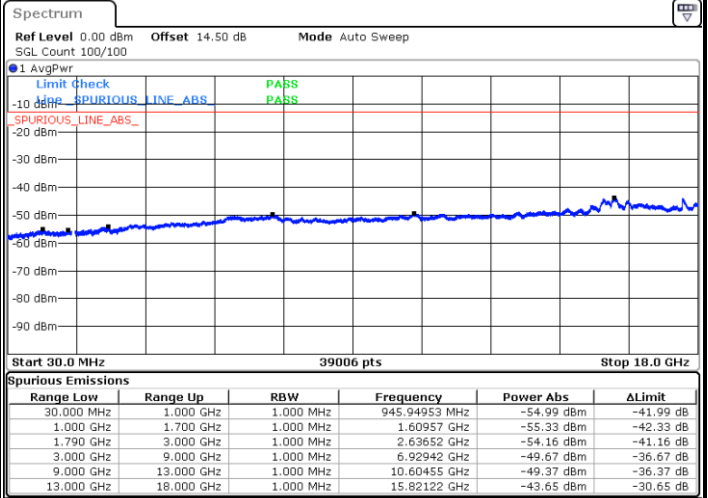
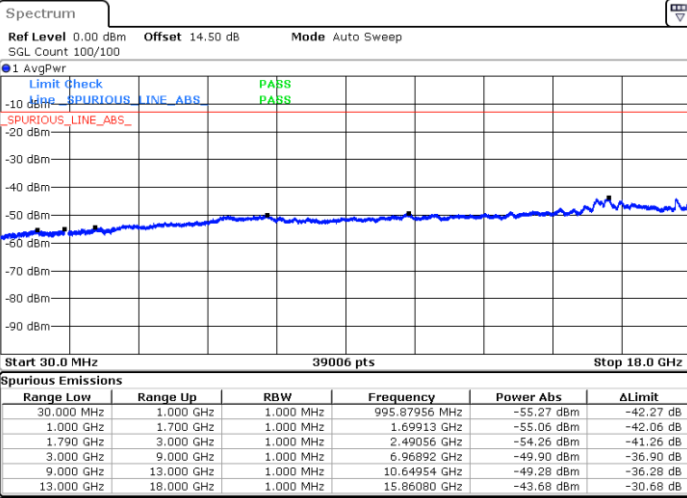


Conducted Spurious Emission

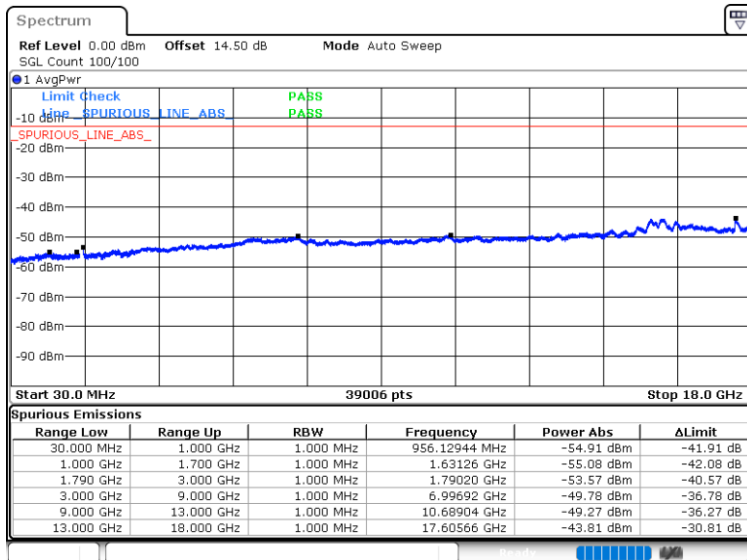
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

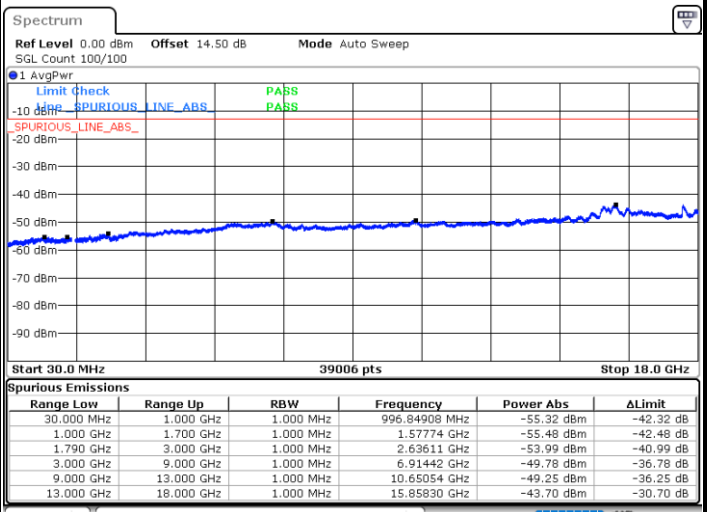
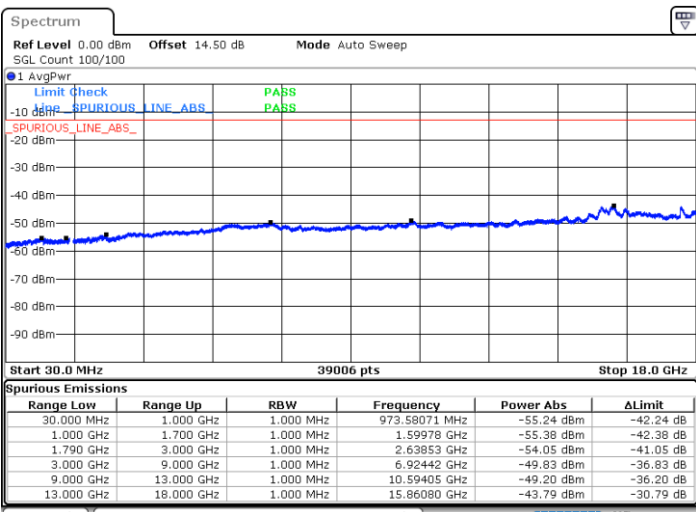




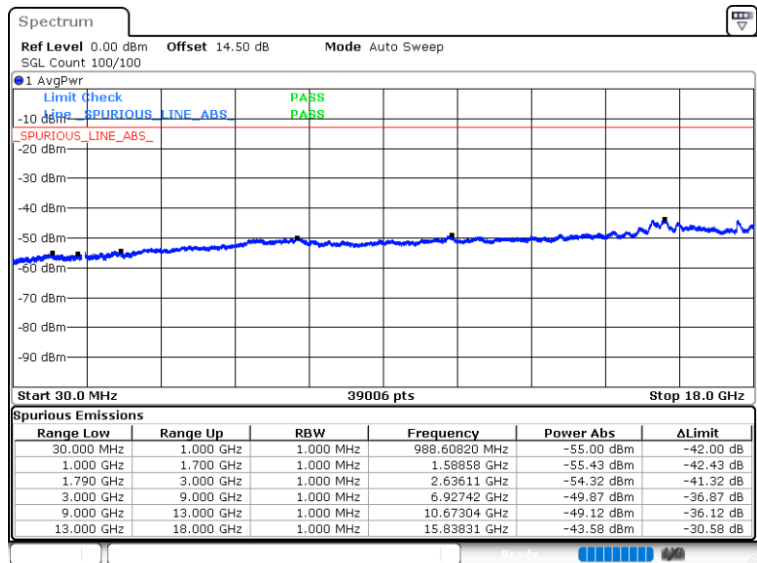
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

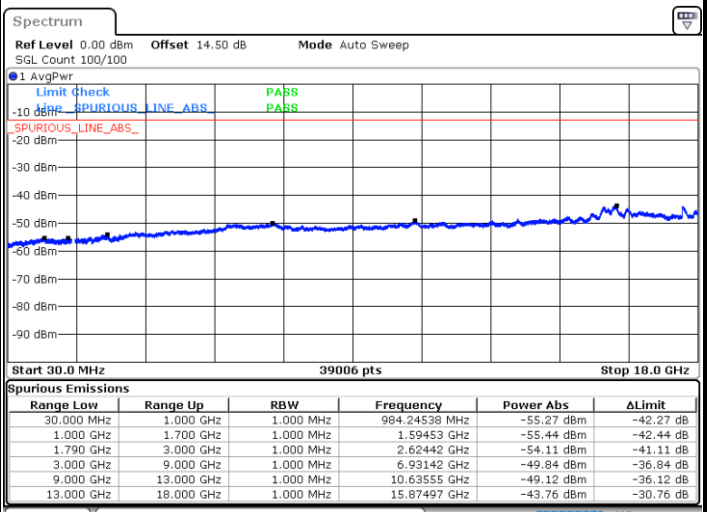
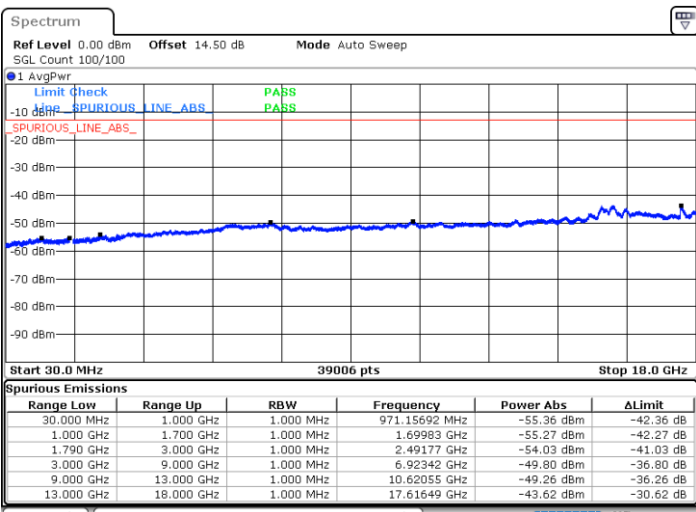




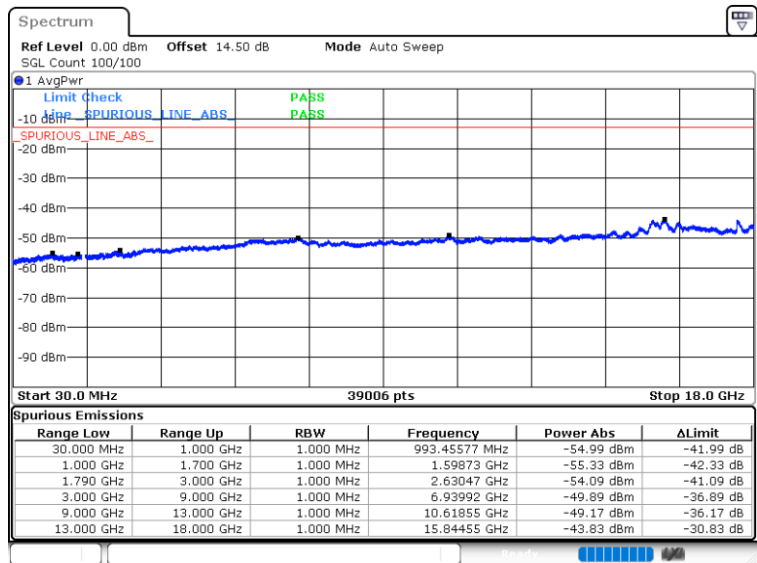
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

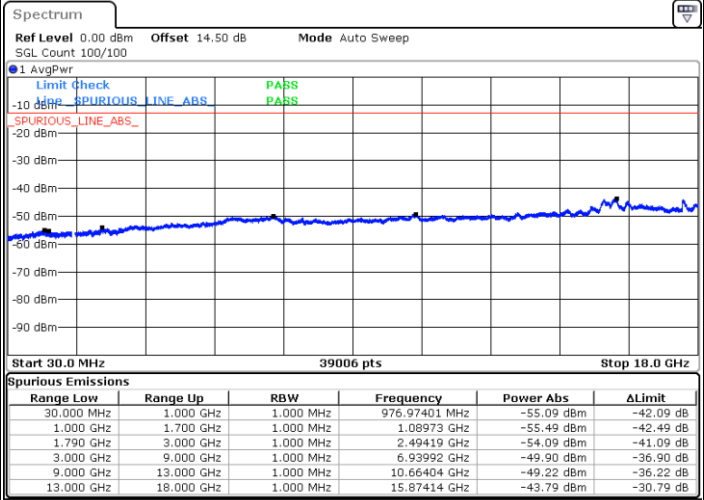
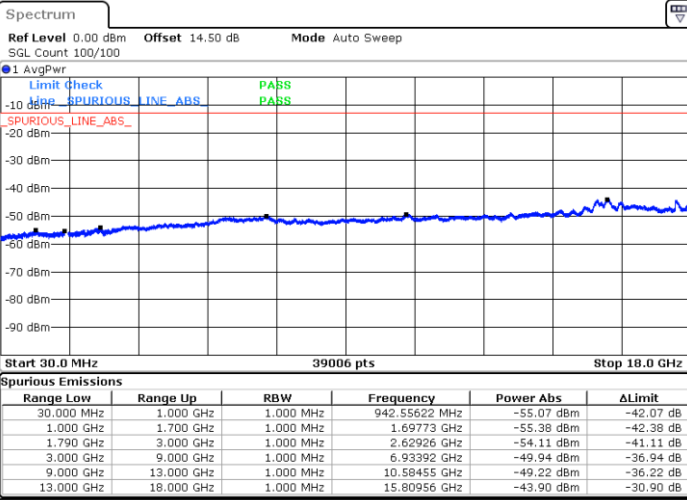




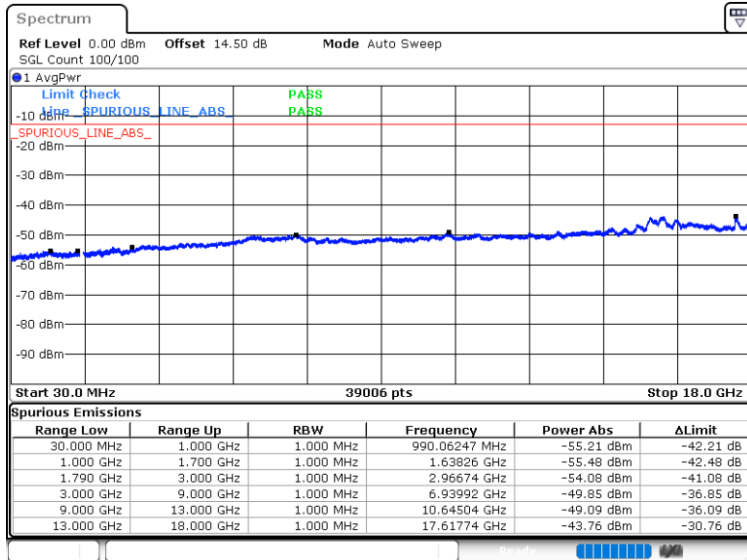
LTE Band 66 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

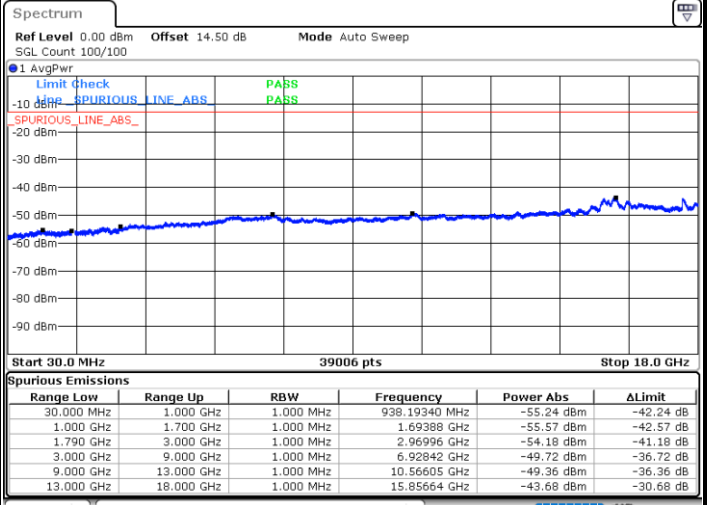
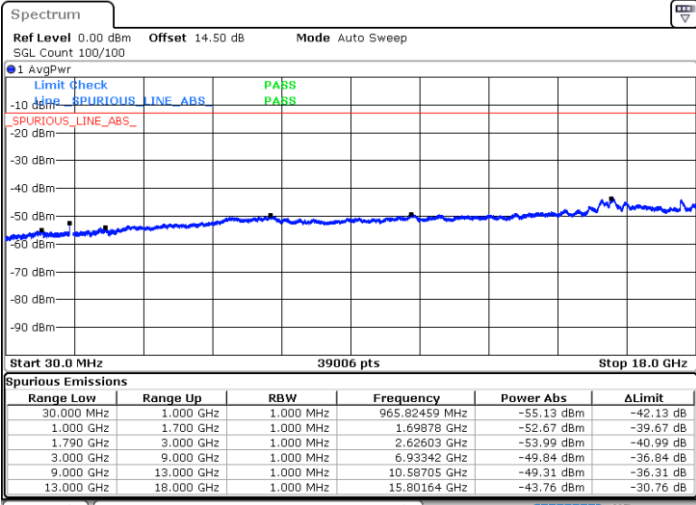




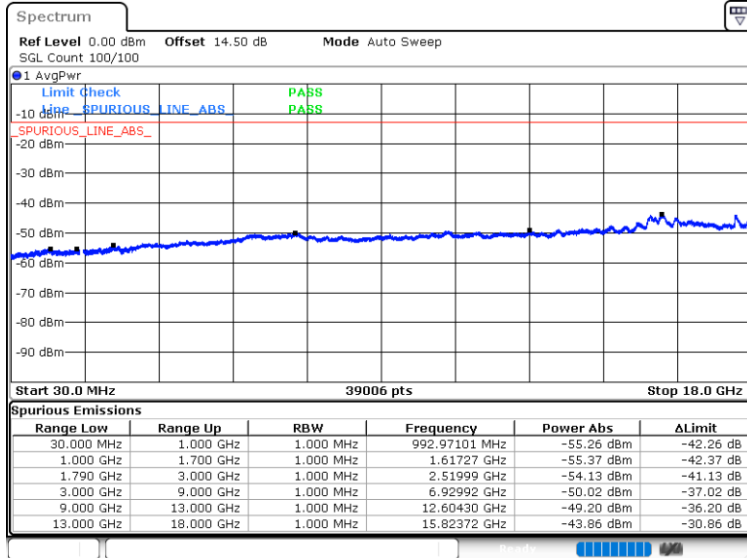
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

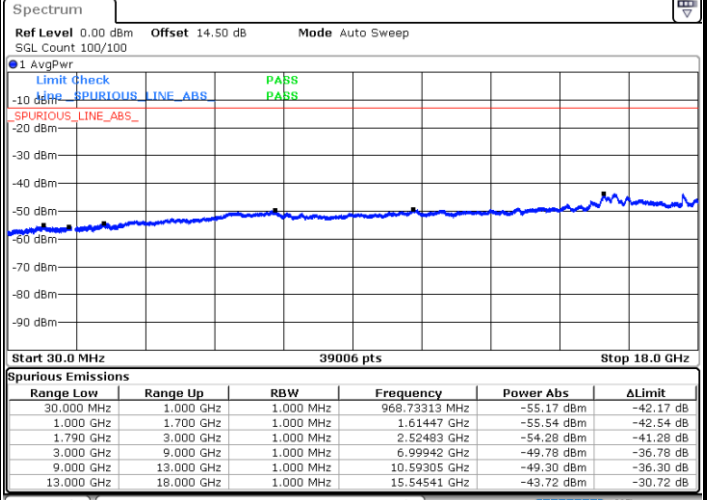
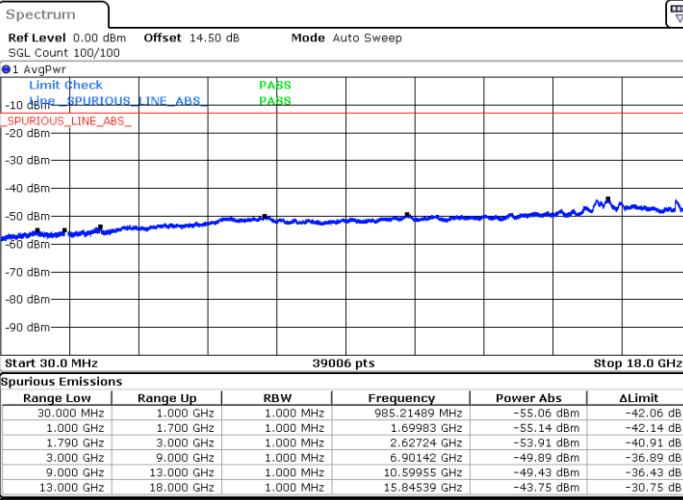




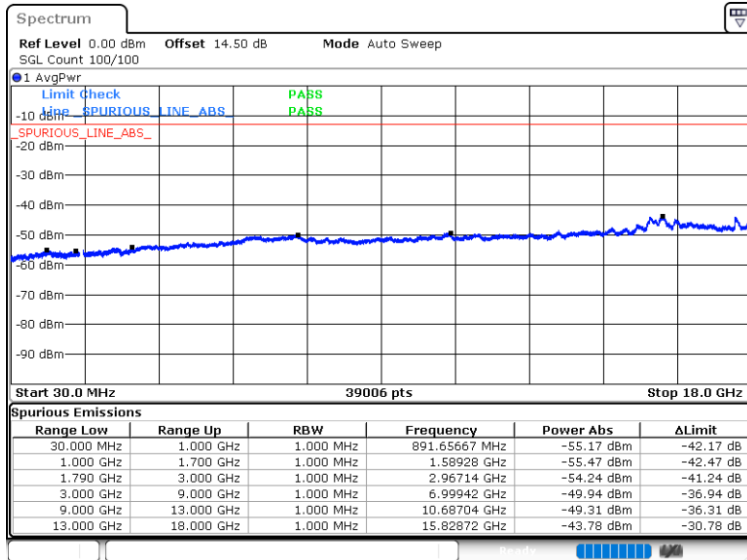
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





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 | 0.0034 | PASS |
| 40 | Normal Voltage | 0.0007 | |
| 30 | Normal Voltage | 0.0001 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0029 | |
| 0 | Normal Voltage | 0.0013 | |
| -10 | Normal Voltage | 0.0005 | |
| -20 | Normal Voltage | 0.0002 | |
| -30 | Normal Voltage | 0.0014 | |
| 20 | Maximum Voltage | 0.0028 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0015 | |

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

| | | | |
|-----------------|---------------|---------------------|---------|
| Test Engineer : | HuaCong Liang | Temperature : | 22~25°C |
| | | Relative Humidity : | 48~52% |

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

| LTE Band 12 / 10MHz / QPSK / ANT 0 | | | | | | | | | |
|------------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 1406 | -64.90 | -13 | -51.90 | -76.16 | -68.15 | 4.00 | 9.40 | H |
| | 2109 | -60.65 | -13 | -47.65 | -78.80 | -64.22 | 4.88 | 10.60 | H |
| | 2812 | -59.79 | -13 | -46.79 | -79.23 | -64.72 | 5.52 | 12.60 | H |
| | 1406 | -64.34 | -13 | -51.34 | -76.66 | -67.59 | 4.00 | 9.40 | V |
| | 2109 | -59.55 | -13 | -46.55 | -77.49 | -63.12 | 4.88 | 10.60 | V |
| | 2812 | -58.71 | -13 | -45.71 | -78.96 | -63.64 | 5.52 | 12.60 | V |

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

| LTE Band 13 / 5MHz / QPSK/ ANT 0 | | | | | | | | | |
|----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 1559.5 | -65.08 | -42.15 | -22.93 | -76.86 | -68.33 | 4.00 | 9.40 | H |
| | 2339.25 | -56.22 | -13 | -43.22 | -74.83 | -59.79 | 4.88 | 10.60 | H |
| | 3119 | -58.99 | -13 | -45.99 | -79.31 | -63.92 | 5.52 | 12.60 | H |
| | 1559.5 | -64.54 | -42.15 | -22.39 | -76.94 | -67.79 | 4.00 | 9.40 | V |
| | 2339.25 | -52.21 | -13 | -39.21 | -71.19 | -55.78 | 4.88 | 10.60 | V |
| | 3119 | -57.03 | -13 | -44.03 | -79.15 | -61.96 | 5.52 | 12.60 | V |

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

| LTE Band 13 / 10MHz / QPSK/ ANT 0 | | | | | | | | | |
|-----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 1559.5 | -64.45 | -42.15 | -22.30 | -76.23 | -67.70 | 4.00 | 9.40 | H |
| | 2339.25 | -59.99 | -13 | -46.99 | -78.60 | -63.56 | 4.88 | 10.60 | H |
| | 3119 | -59.07 | -13 | -46.07 | -79.39 | -64.00 | 5.52 | 12.60 | H |
| | 1559.5 | -64.51 | -42.15 | -22.36 | -76.91 | -67.76 | 4.00 | 9.40 | V |
| | 2339.25 | -58.87 | -13 | -45.87 | -77.85 | -62.44 | 4.88 | 10.60 | V |
| | 3119 | -57.11 | -13 | -44.11 | -79.23 | -62.04 | 5.52 | 12.60 | V |

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



| LTE Band 25 / 20MHz / QPSK/ ANT 2 | | | | | | | | | |
|-----------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 3747 | -58.29 | -13 | -45.29 | -80.78 | -65.04 | 5.85 | 12.60 | H |
| | 5620.5 | -56.53 | -13 | -43.53 | -81.03 | -62.33 | 7.30 | 13.10 | H |
| | 7494 | -54.59 | -13 | -41.59 | -81.59 | -57.74 | 8.35 | 11.50 | H |
| | 3747 | -55.21 | -13 | -42.21 | -80.86 | -61.96 | 5.85 | 12.60 | V |
| | 5620.5 | -55.96 | -13 | -42.96 | -80.96 | -61.76 | 7.30 | 13.10 | V |
| | 7494 | -54.44 | -13 | -41.44 | -81.43 | -57.59 | 8.35 | 11.50 | V |

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

| LTE Band 26 / 15MHz / QPSK/ ANT 0 | | | | | | | | | |
|-----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 1659.5 | -64.89 | -13 | -51.89 | -77.09 | -68.14 | 4.00 | 9.40 | H |
| | 2489.25 | -59.18 | -13 | -46.18 | -78.56 | -62.75 | 4.88 | 10.60 | H |
| | 3319 | -58.66 | -13 | -45.66 | -79.81 | -63.59 | 5.52 | 12.60 | H |
| | 1659.5 | -63.84 | -13 | -50.84 | -76.71 | -67.09 | 4.00 | 9.40 | V |
| | 2489.25 | -55.25 | -13 | -42.25 | -74.89 | -58.82 | 4.88 | 10.60 | V |
| | 3319 | -58.27 | -13 | -45.27 | -80.12 | -63.20 | 5.52 | 12.60 | V |

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

| LTE Band 66 / 20MHz / QPSK/ ANT 2 | | | | | | | | | |
|-----------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 3472 | -58.43 | -13 | -45.43 | -80.68 | -65.28 | 5.65 | 12.50 | H |
| | 5208 | -56.88 | -13 | -43.88 | -81.79 | -62.55 | 7.13 | 12.80 | H |
| | 6944 | -55.39 | -13 | -42.39 | -81.72 | -58.79 | 8.40 | 11.80 | H |
| | 3472 | -57.69 | -13 | -44.69 | -79.74 | -64.54 | 5.65 | 12.50 | V |
| | 5208 | -56.61 | -13 | -43.61 | -81.69 | -62.28 | 7.13 | 12.80 | V |
| | 6944 | -54.50 | -13 | -41.50 | -81.56 | -57.90 | 8.40 | 11.80 | V |

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