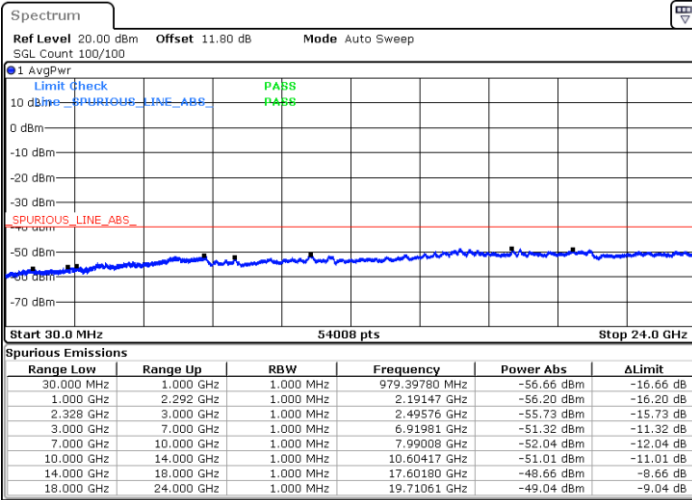




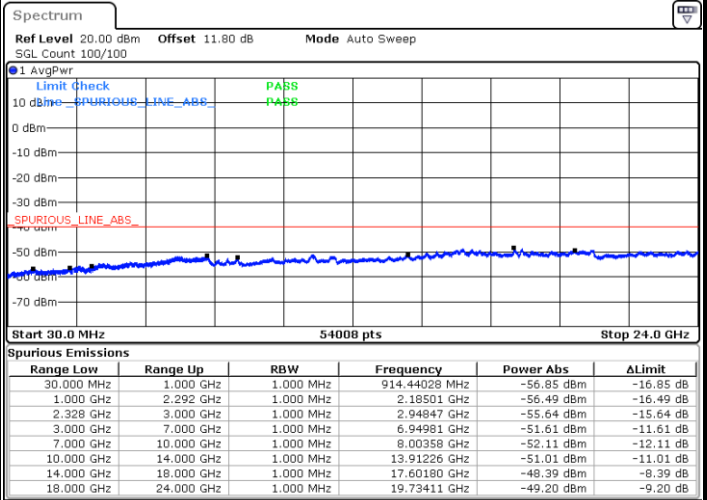
LTE Band 30 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

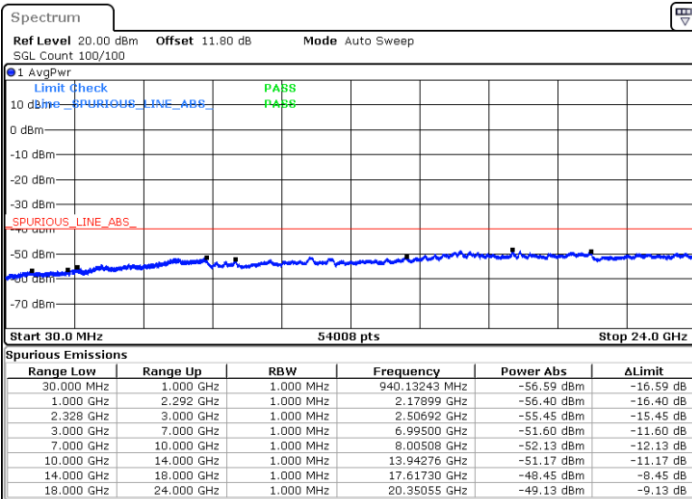


Date: 28.AUG.2020 14:16:24



Date: 28.AUG.2020 14:17:12

Highest Channel / 64QAM



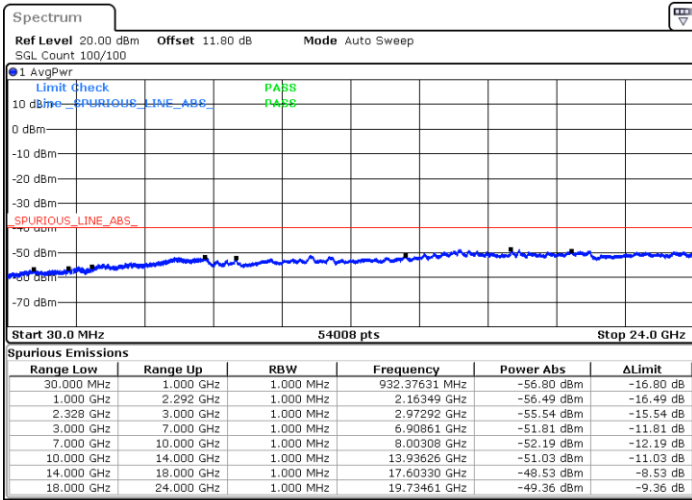
Date: 28.AUG.2020 14:18:00



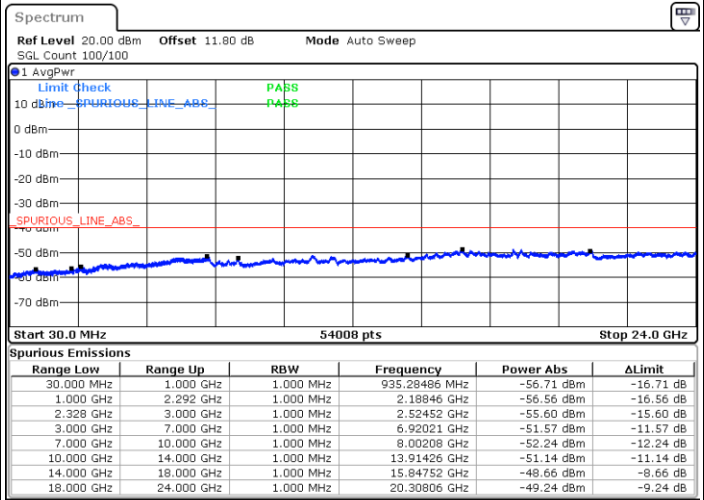
LTE Band 30 / 5MHz

Lowest Channel / 256QAM

Middle Channel / 256QAM

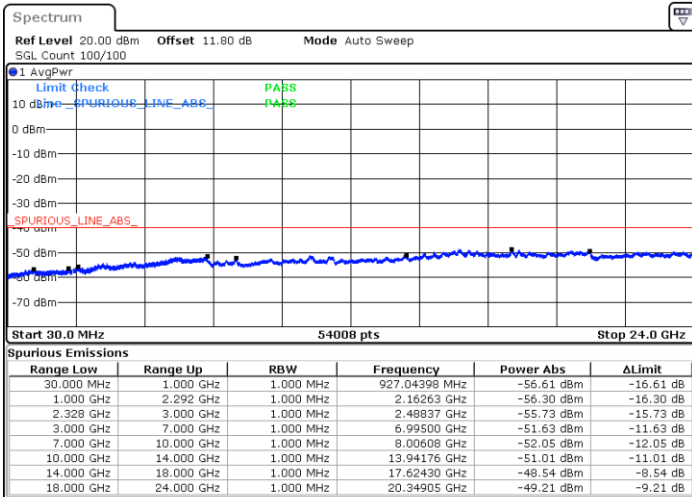


Date: 28.AUG.2020 14:31:27

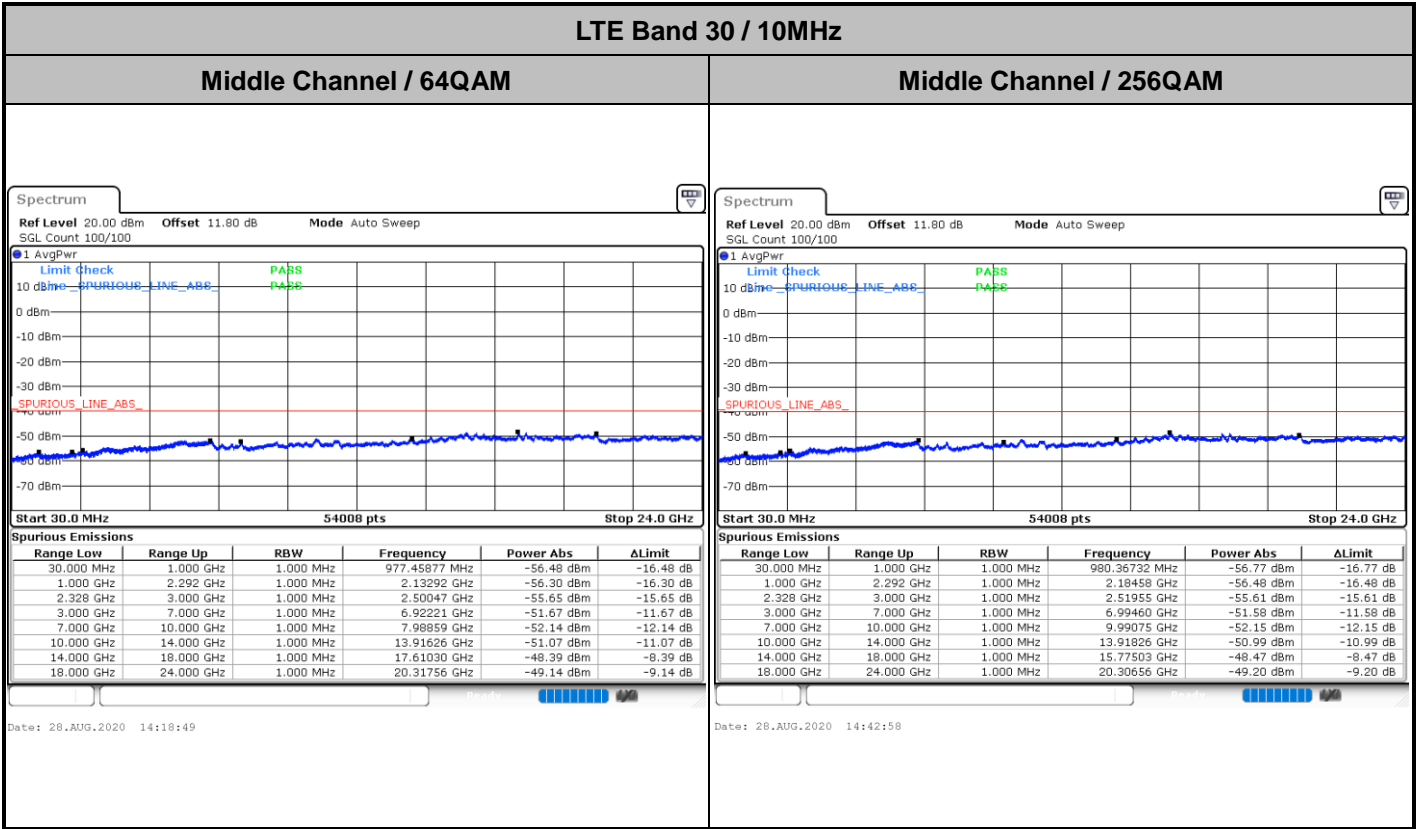


Date: 28.AUG.2020 14:35:34

Highest Channel / 256QAM



Date: 28.AUG.2020 14:38:22





Frequency Stability

| Test Conditions | | LTE Band 30 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0071 | PASS |
| 40 | Normal Voltage | 0.0079 | |
| 30 | Normal Voltage | 0.0089 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0084 | |
| 0 | Normal Voltage | 0.0072 | |
| -10 | Normal Voltage | 0.0081 | |
| -20 | Normal Voltage | 0.0080 | |
| -30 | Normal Voltage | 0.0055 | |
| 20 | Maximum Voltage | 0.0094 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0088 | |

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.30 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of EIRP and Radiated Test

EIRP

<Reporting Only>

| LTE Band 30 / 5MHz (Average) (GT - LC = 2.7 dB) | | | | | | | |
|---|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | 1 | 24 | 20.72 | 0.1180 | 23.42 | 0.2198 |
| Middle | | 1 | 24 | 20.62 | 0.1153 | 23.32 | 0.2148 |
| Highest | | 1 | 24 | 20.56 | 0.1138 | 23.26 | 0.2118 |
| Lowest | 16QAM | 1 | 12 | 19.97 | 0.0993 | 22.67 | 0.1849 |
| Middle | | 1 | 12 | 20.00 | 0.1000 | 22.70 | 0.1862 |
| Highest | | 1 | 12 | 20.08 | 0.1019 | 22.78 | 0.1897 |
| Lowest | 64QAM | 1 | 12 | 18.82 | 0.0762 | 21.52 | 0.1419 |
| Middle | | 1 | 12 | 18.88 | 0.0773 | 21.58 | 0.1439 |
| Highest | | 1 | 12 | 18.91 | 0.0778 | 21.61 | 0.1449 |
| Lowest | 256QAM | 1 | 24 | 15.95 | 0.0394 | 18.65 | 0.0733 |
| Middle | | 1 | 24 | 15.92 | 0.0391 | 18.62 | 0.0728 |
| Highest | | 1 | 24 | 15.91 | 0.0390 | 18.61 | 0.0726 |

| LTE Band 30 / 10MHz (Average) (GT - LC = 2.7 dB) | | | | | | | |
|--|--------|------|--------|-------------|---------------|-----------|---------|
| Channel | Mode | RB | | Conducted | | EIRP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest | QPSK | - | - | - | - | - | - |
| Middle | | 1 | 0 | 20.77 | 0.1194 | 23.47 | 0.2223 |
| Highest | | - | - | - | - | - | - |
| Lowest | 16QAM | - | - | - | - | - | - |
| Middle | | 1 | 25 | 19.99 | 0.0998 | 22.69 | 0.1858 |
| Highest | | - | - | - | - | - | - |
| Lowest | 64QAM | - | - | - | - | - | - |
| Middle | | 1 | 25 | 19.12 | 0.0817 | 21.82 | 0.1521 |
| Highest | | - | - | - | - | - | - |
| Lowest | 256QAM | - | - | - | - | - | - |
| Middle | | 1 | 49 | 15.95 | 0.0394 | 18.65 | 0.0733 |
| Highest | | - | - | - | - | - | - |



Radiated Spurious Emission

LTE Band 30

| LTE Band 30 / 5MHz / 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 | 4614 | -51.35 | -40 | -11.35 | -44.88 | -62.57 | 1.46 | 12.68 | H |
| | 6922 | -55.15 | -40 | -15.15 | -55.41 | -65.43 | 1.73 | 12.01 | H |
| | 9234 | -56.03 | -40 | -16.03 | -58.83 | -65.64 | 2.16 | 11.77 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 4614 | -48.88 | -40 | -8.88 | -41.64 | -60.10 | 1.46 | 12.68 | V |
| | 6922 | -55.14 | -40 | -15.14 | -54.95 | -65.42 | 1.73 | 12.01 | V |
| | 9234 | -52.97 | -40 | -12.97 | -56.78 | -62.58 | 2.16 | 11.77 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 4620 | -53.60 | -40 | -13.60 | -47.15 | -64.82 | 1.46 | 12.68 | H |
| | 6930 | -55.50 | -40 | -15.50 | -55.81 | -65.77 | 1.73 | 12.00 | H |
| | 9240 | -56.03 | -40 | -16.03 | -58.81 | -65.63 | 2.16 | 11.76 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 4620 | -51.44 | -40 | -11.44 | -44.22 | -62.66 | 1.46 | 12.68 | V |
| | 6930 | -55.74 | -40 | -15.74 | -55.6 | -66.01 | 1.73 | 12.00 | V |
| | 9240 | -52.15 | -40 | -12.15 | -55.96 | -61.75 | 2.16 | 11.76 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| LTE Band 30 / 5MHz / 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) |
| Highest | 4626 | -49.49 | -40 | -9.49 | -43.06 | -60.70 | 1.46 | 12.67 | H |
| | 6937 | -55.54 | -40 | -15.54 | -55.89 | -65.80 | 1.73 | 11.99 | H |
| | 9252 | -56.37 | -40 | -16.37 | -59.14 | -65.95 | 2.17 | 11.75 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 4626 | -46.09 | -40 | -6.09 | -38.89 | -57.30 | 1.46 | 12.67 | V |
| | 6937 | -55.41 | -40 | -15.41 | -55.3 | -65.67 | 1.73 | 11.99 | V |
| | 9252 | -52.46 | -40 | -12.46 | -56.27 | -62.04 | 2.17 | 11.75 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 30 / 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) |
| Middle | 4608 | -46.00 | -40 | -6.00 | -39.52 | -57.23 | 1.45 | 12.68 | H |
| | 6916 | -56.17 | -40 | -16.17 | -56.39 | -66.46 | 1.73 | 12.02 | H |
| | 9225 | -57.45 | -40 | -17.45 | -60.27 | -67.07 | 2.16 | 11.78 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 4608 | -43.19 | -40 | -3.19 | -35.92 | -54.42 | 1.45 | 12.68 | V |
| | 6916 | -54.72 | -40 | -14.72 | -54.5 | -65.01 | 1.73 | 12.02 | V |
| | 9225 | -54.73 | -40 | -14.73 | -58.55 | -64.35 | 2.16 | 11.78 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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