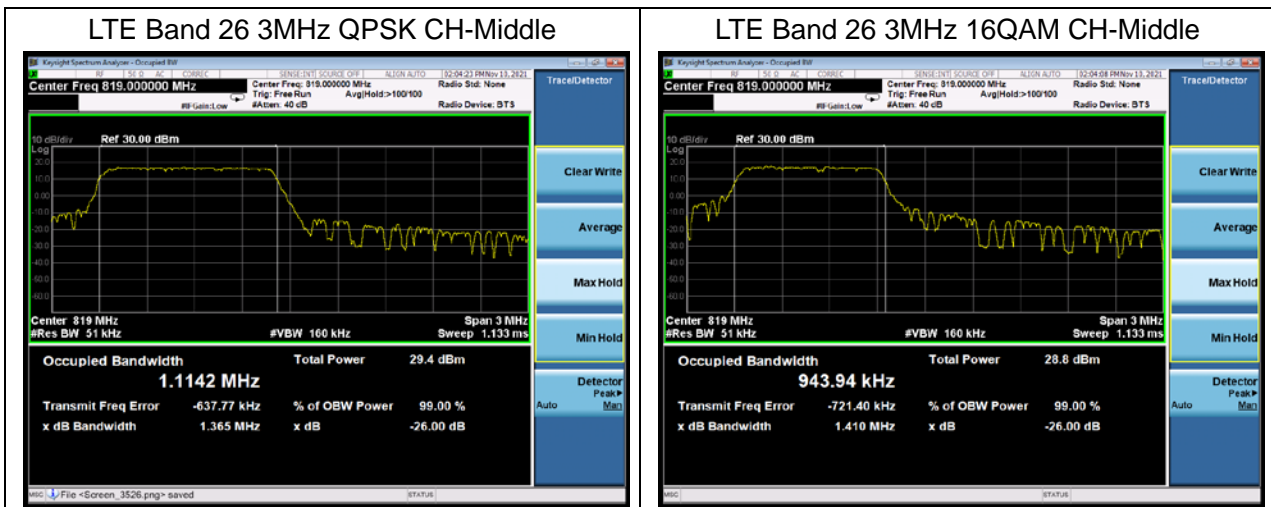


RF Power Output and Effective Radiated Power

| Band26 | Channel/ Frequency(MHz) | Index | RB# RBstart QPSK | RB# RBstart 16QAM | Conducted Power (dBm) | |
|--------|----------------------------|-------|------------------------|-------------------------|--------------------------|-------|
| | | | | | QPSK | 16QAM |
| 1.4MHz | 26697/814.7 | 0 | 1#0 | 1#0 | 22.92 | 22.07 |
| | | 0 | 6#0 | 5#0 | 20.77 | 20.96 |
| | 26740/819 | 0 | 1#0 | 1#0 | 22.98 | 22.14 |
| | | 0 | 6#0 | 5#0 | 20.91 | 21.01 |
| | 26783/823.3 | 0 | 1#5 | 1#5 | 23.05 | 21.84 |
| | | 0 | 6#0 | 5#0 | 20.82 | 20.93 |
| 3MHz | 26705/815.5 | 0 | 1#0 | 1#0 | 22.93 | 22.03 |
| | | 0 | 6#0 | 5#0 | 20.83 | 20.92 |
| | 26740/819 | 0 | 1#0 | 1#0 | 23.21 | 21.94 |
| | | 0 | 6#0 | 5#0 | 20.89 | 20.90 |
| | 26775/822.5 | 1 | 1#5 | 1#5 | 22.94 | 22.03 |
| | | 1 | 6#0 | 5#0 | 20.91 | 21.01 |
| 5MHz | 26715/816.5 | 3 | 1#0 | 1#0 | 22.94 | 22.33 |
| | | 0 | 6#0 | 5#0 | 21.88 | 21.04 |
| | 26740/819 | 0 | 1#0 | 1#0 | 22.95 | 22.82 |
| | | 0 | 6#0 | 5#0 | 21.72 | 20.84 |
| | 26765/821.5 | 0 | 1#5 | 1#5 | 22.78 | 22.44 |
| | | 3 | 6#0 | 5#0 | 21.86 | 21.17 |
| 10MHz | 26740/819 | 0 | 1#0 | 1#0 | 23.15 | 22.82 |
| | | 0 | 4#0 | 4#0 | 22.79 | 21.74 |

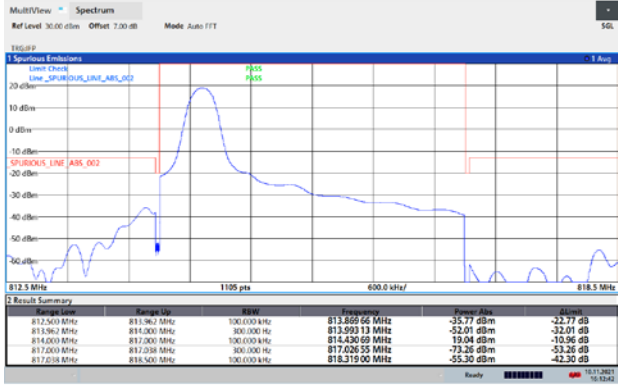
Occupied Bandwidth

| Mode | Bandwidth | Modulation | Channel/ Frequency(MHz) | RB | Index | Bandwidth(MHz) | |
|---------|-----------|------------|----------------------------|-----|-------|----------------|--------|
| | | | | | | 99% Power | -26dBc |
| Band 26 | 3MHz | QPSK | 26740/819 | 6#0 | 0 | 1.114 | 1.365 |
| | | 16QAM | 26740/819 | 6#0 | 0 | 0.944 | 1.410 |



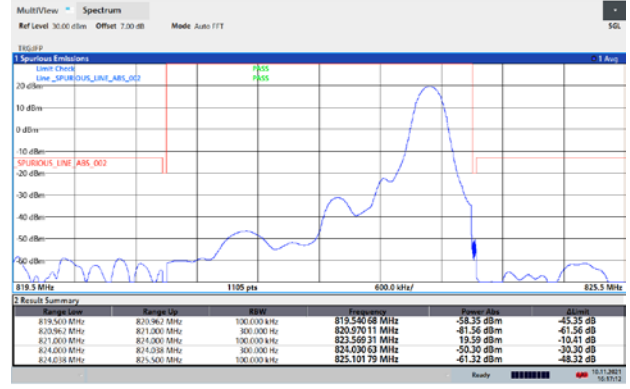
Band Edge Compliance

LTE Band 26 5MHz QPSK 1RB CH-Low



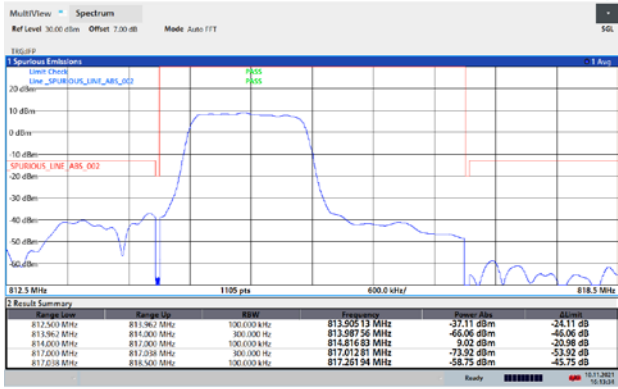
16:12:42 10.11.2021

LTE Band 26 5MHz QPSK 1RB CH-High



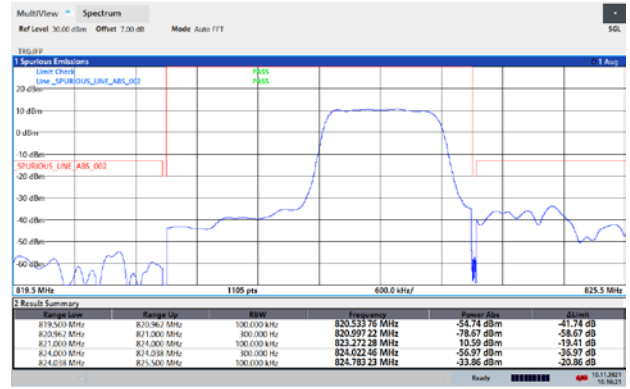
16:17:12 10.11.2021

LTE Band 26 5MHz QPSK 100%RB CH-Low



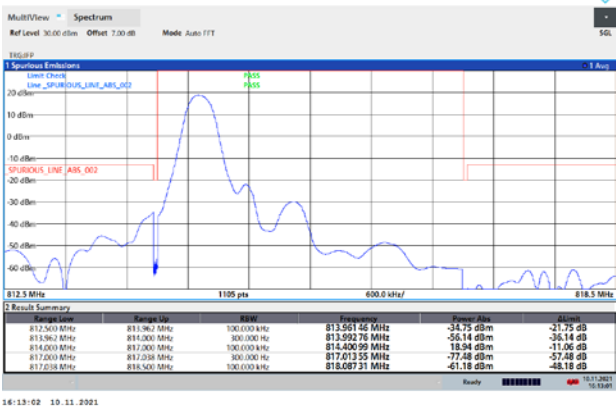
16:13:35 10.11.2021

LTE Band 26 5MHz QPSK 100%RB CH-High



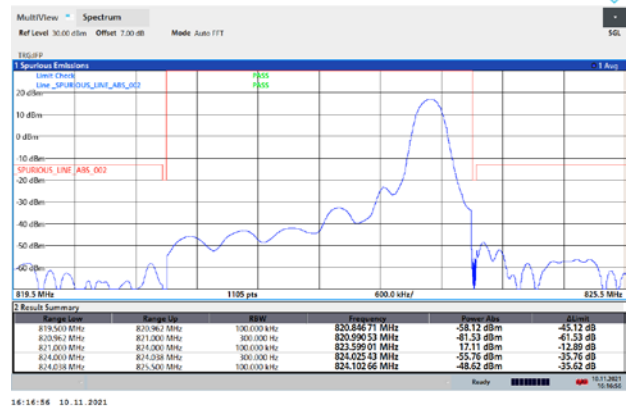
16:16:21 10.11.2021

LTE Band 26 5MHz 16QAM 1RB CH-Low



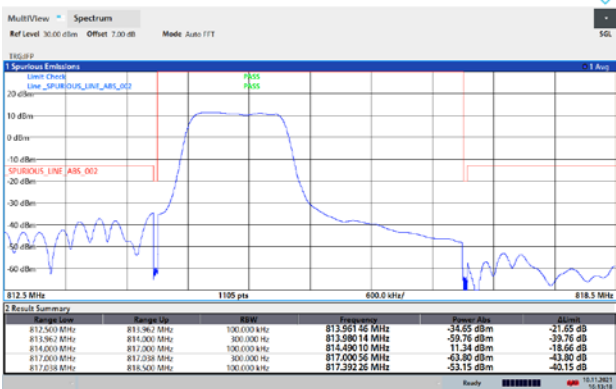
16:13:02 10.11.2021

LTE Band 26 5MHz 16QAM 1RB CH-High



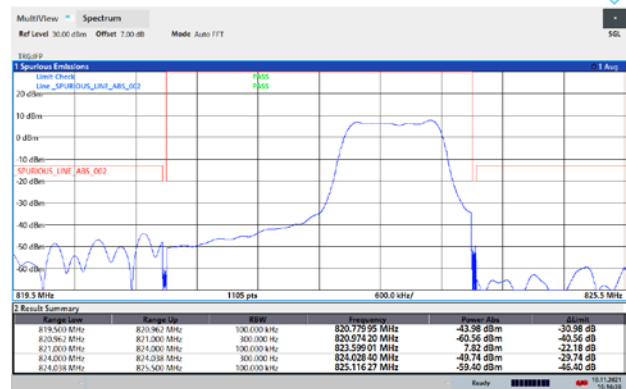
16:16:56 10.11.2021

LTE Band 26 5MHz 16QAM 100%RB CH-Low



16:13:18 10.11.2021

LTE Band 26 5MHz 16QAM 100%RB CH-High



16:16:39 10.11.2021

Peak-to-Average Power Ratio (PAPR)

| Mode | Bandwidth | Modulation | Channel/ Frequency(MHz) | Peak-to-Average Power Ratio (PAPR) | | |
|--------|-----------|------------|----------------------------|------------------------------------|----------|----------|
| | | | | Peak(dBm) | Avg(dBm) | PAPR(dB) |
| Band26 | 1.4MHz | QPSK | 26740/819 | 25.38 | 15.50 | 9.88 |
| | | 16QAM | 26740/819 | 26.15 | 15.25 | 10.90 |
| | 3MHz | QPSK | 26740/819 | 25.32 | 14.83 | 10.49 |
| | | 16QAM | 26740/819 | 26.10 | 14.15 | 11.95 |
| | 5MHz | QPSK | 26740/819 | 26.29 | 16.41 | 9.88 |
| | | 16QAM | 26740/819 | 26.17 | 15.60 | 10.57 |
| | 10MHz | QPSK | 26740/819 | 26.26 | 16.54 | 9.72 |
| | | 16QAM | 26740/819 | 27.19 | 16.82 | 10.37 |

Frequency Stability

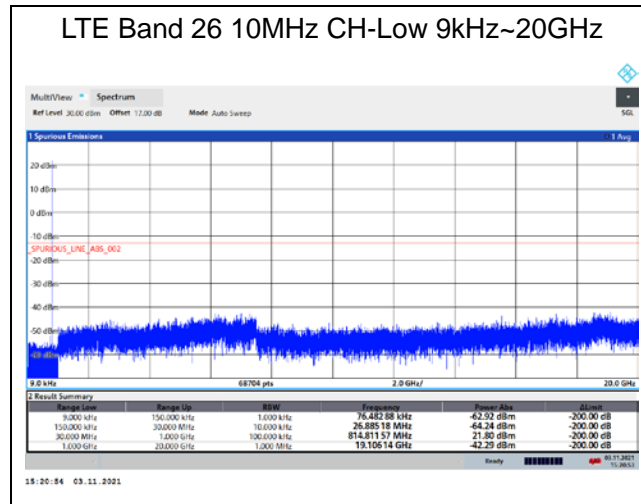
| LTE Band 26 | | | | | | |
|-----------------|---------|-----------------|-----------------|---------------------------|---------------------------|---------|
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| BANDWIDTH | 1.4MHz | | | | | |
| Temperature | Voltage | 16QAM | QPSK | 16QAM | QPSK | |
| Normal (25°C) | Normal | 13.71 | 13.87 | 0.01674 | 0.01694 | PASS |
| Extreme (85°C) | | 13.51 | 16.45 | 0.01650 | 0.02008 | PASS |
| Extreme (80°C) | | 10.90 | 7.87 | 0.01331 | 0.00960 | PASS |
| Extreme (70°C) | | 14.11 | 11.66 | 0.01723 | 0.01424 | PASS |
| Extreme (60°C) | | 6.26 | 5.64 | 0.00764 | 0.00689 | PASS |
| Extreme (55°C) | | 2.89 | 6.92 | 0.00353 | 0.00845 | PASS |
| Extreme (50°C) | | 1.97 | 8.08 | 0.00240 | 0.00987 | PASS |
| Extreme (40°C) | | 4.20 | 3.12 | 0.00512 | 0.00381 | PASS |
| Extreme (30°C) | | 2.22 | 4.50 | 0.00271 | 0.00549 | PASS |
| Extreme (20°C) | | 2.77 | 11.24 | 0.00338 | 0.01372 | PASS |
| Extreme (10°C) | | 15.91 | 12.96 | 0.01943 | 0.01583 | PASS |
| Extreme (0°C) | | 16.77 | 13.03 | 0.02048 | 0.01591 | PASS |
| Extreme (-10°C) | | 8.14 | 2.96 | 0.00994 | 0.00361 | PASS |
| Extreme (-20°C) | | 6.41 | 17.71 | 0.00783 | 0.02162 | PASS |
| Extreme (-30°C) | | 7.62 | 12.50 | 0.00931 | 0.01526 | PASS |
| Extreme (-40°C) | | 6.25 | 5.25 | 0.00763 | 0.00641 | PASS |
| 25°C | LV | 4.45 | 2.40 | 0.00543 | 0.00292 | PASS |
| | HV | 12.30 | 10.13 | 0.01502 | 0.01236 | PASS |
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| BANDWIDTH | 3MHz | | | | | |
| Temperature | Voltage | 16QAM | QPSK | 16QAM | QPSK | |
| Normal (25°C) | Normal | 12.92 | 1.48 | 0.01578 | 0.00181 | PASS |
| Extreme (85°C) | | 15.16 | 17.46 | 0.01851 | 0.02132 | PASS |
| Extreme (80°C) | | 6.59 | 11.99 | 0.00805 | 0.01464 | PASS |
| Extreme (70°C) | | 17.94 | 1.99 | 0.02191 | 0.00243 | PASS |
| Extreme (60°C) | | 16.00 | 10.00 | 0.01954 | 0.01221 | PASS |
| Extreme (55°C) | | 17.00 | 13.00 | 0.02076 | 0.01587 | PASS |
| Extreme (50°C) | | 12.00 | 11.00 | 0.01465 | 0.01343 | PASS |
| Extreme (40°C) | | 5.00 | 12.00 | 0.00611 | 0.01465 | PASS |
| Extreme (30°C) | | 10.00 | 7.00 | 0.01221 | 0.00855 | PASS |
| Extreme (20°C) | | 16.69 | 12.72 | 0.02038 | 0.01553 | PASS |
| Extreme (10°C) | | 2.16 | 13.45 | 0.00264 | 0.01642 | PASS |
| Extreme (0°C) | | 14.43 | 16.90 | 0.01762 | 0.02063 | PASS |
| Extreme (-10°C) | | 10.70 | 12.37 | 0.01306 | 0.01511 | PASS |

| | | | | | | |
|----------------|---------|--------------------|--------------------|---------------------------------|---------------------------------|---------|
| Extreme (-20℃) | | 4.64 | 17.08 | 0.00567 | 0.02086 | PASS |
| Extreme (-30℃) | | 14.38 | 3.11 | 0.01756 | 0.00380 | PASS |
| Extreme (-40℃) | | 8.28 | 9.47 | 0.01010 | 0.01157 | PASS |
| 25℃ | LV | 11.28 | 9.86 | 0.01378 | 0.01204 | PASS |
| | HV | 14.70 | 6.83 | 0.01795 | 0.00834 | PASS |
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| BANDWIDTH | 5MHz | | | | | |
| Temperature | Voltage | | | | | |
| Normal (25℃) | Normal | 17.09 | 13.17 | 0.02087 | 0.01608 | PASS |
| Extreme (85℃) | | 15.94 | 17.85 | 0.01946 | 0.02180 | PASS |
| Extreme (80℃) | | 1.84 | 17.56 | 0.00225 | 0.02144 | PASS |
| Extreme (70℃) | | 14.30 | 11.51 | 0.01746 | 0.01406 | PASS |
| Extreme (60℃) | | 1.00 | 17.00 | 0.00122 | 0.02076 | PASS |
| Extreme (55℃) | | 1.00 | 8.00 | 0.00122 | 0.00977 | PASS |
| Extreme (50℃) | | 17.00 | 2.00 | 0.02076 | 0.00244 | PASS |
| Extreme (40℃) | | 15.00 | 7.00 | 0.01832 | 0.00855 | PASS |
| Extreme (30℃) | | 11.00 | 4.00 | 0.01343 | 0.00488 | PASS |
| Extreme (20℃) | | 2.49 | 13.58 | 0.00304 | 0.01658 | PASS |
| Extreme (10℃) | | 1.24 | 14.06 | 0.00151 | 0.01717 | PASS |
| Extreme (0℃) | | 9.38 | 9.84 | 0.01145 | 0.01202 | PASS |
| Extreme (-10℃) | | 14.57 | 14.94 | 0.01779 | 0.01824 | PASS |
| Extreme (-20℃) | | 15.09 | 8.11 | 0.01842 | 0.00991 | PASS |
| Extreme (-30℃) | | 9.36 | 4.72 | 0.01143 | 0.00576 | PASS |
| Extreme (-40℃) | | 7.50 | 7.69 | 0.00916 | 0.00939 | PASS |
| 25℃ | LV | 6.29 | 6.94 | 0.00768 | 0.00848 | PASS |
| | HV | 15.98 | 10.62 | 0.01951 | 0.01297 | PASS |
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| BANDWIDTH | 10MHz | | | | | |
| Temperature | Voltage | | | | | |
| Normal (25℃) | Normal | 5.96 | 9.06 | 0.00728 | 0.01107 | PASS |
| Extreme (85℃) | | 7.34 | 3.37 | 0.00897 | 0.00412 | PASS |
| Extreme (80℃) | | 15.74 | 14.10 | 0.01921 | 0.01722 | PASS |
| Extreme (70℃) | | 7.46 | 13.44 | 0.00910 | 0.01641 | PASS |
| Extreme (60℃) | | 4.00 | 16.00 | 0.00488 | 0.01954 | PASS |
| Extreme (55℃) | | 5.00 | 14.00 | 0.00611 | 0.01709 | PASS |
| Extreme (50℃) | | 6.00 | 10.00 | 0.00733 | 0.01221 | PASS |
| Extreme (40℃) | | 12.00 | 8.00 | 0.01465 | 0.00977 | PASS |
| Extreme (30℃) | | 6.00 | 12.00 | 0.00733 | 0.01465 | PASS |
| Extreme (20℃) | | 3.68 | 10.13 | 0.00449 | 0.01237 | PASS |
| Extreme (10℃) | | 8.67 | 16.54 | 0.01058 | 0.02020 | PASS |



| | | | | | | |
|----------------|----|------|-------|---------|---------|------|
| Extreme (0℃) | | 5.83 | 4.01 | 0.00712 | 0.00490 | PASS |
| Extreme (-10℃) | | 9.19 | 15.74 | 0.01122 | 0.01922 | PASS |
| Extreme (-20℃) | | 4.07 | 17.06 | 0.00497 | 0.02083 | PASS |
| Extreme (-30℃) | | 3.44 | 2.79 | 0.00420 | 0.00341 | PASS |
| Extreme (-40℃) | | 4.95 | 6.79 | 0.00604 | 0.00828 | PASS |
| 25℃ | LV | 8.73 | 17.95 | 0.01066 | 0.02192 | PASS |
| | HV | 7.38 | 6.83 | 0.00901 | 0.00834 | PASS |

Spurious Emissions at Antenna Terminals



Radiates Spurious Emission

LTE Band 26 1.4MHz CH Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1637.0 | -45.10 | 2.00 | 10.75 | Horizontal | -38.50 | -13.00 | 25.50 | 135 |
| 3 | 2455.5 | -45.24 | 2.51 | 11.05 | Horizontal | -38.85 | -13.00 | 25.85 | 180 |
| 4 | 3276.0 | -58.58 | 4.20 | 11.15 | Horizontal | -53.78 | -13.00 | 40.78 | 135 |
| 5 | 4095.0 | -58.58 | 5.20 | 11.15 | Horizontal | -54.78 | -13.00 | 41.78 | 0 |
| 6 | 4914.0 | -55.87 | 5.50 | 11.95 | Horizontal | -51.57 | -13.00 | 38.57 | 90 |
| 7 | 5733.0 | -55.35 | 5.70 | 13.55 | Horizontal | -49.65 | -13.00 | 36.65 | 315 |
| 8 | 6552.0 | -57.20 | 6.30 | 13.75 | Horizontal | -51.90 | -13.00 | 38.90 | 315 |
| 9 | 7371.0 | -53.66 | 6.80 | 13.85 | Horizontal | -48.76 | -13.00 | 35.76 | 135 |
| 10 | 8190.0 | -52.75 | 6.90 | 14.25 | Horizontal | -47.55 | -13.00 | 34.55 | 225 |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.
2.The worst emission was found in the antenna is Horizontal position.

LTE Band 26 5MHz CH Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1638.0 | -47.30 | 2.00 | 10.75 | Horizontal | -40.70 | -13.00 | 27.70 | 45 |
| 3 | 2457.0 | -48.68 | 2.51 | 11.05 | Horizontal | -42.29 | -13.00 | 29.29 | 135 |
| 4 | 3269.6 | -60.52 | 4.20 | 11.15 | Horizontal | -55.72 | -13.00 | 42.72 | 45 |
| 5 | 4086.0 | -59.93 | 5.20 | 11.15 | Horizontal | -56.13 | -13.00 | 43.13 | 225 |
| 6 | 4903.0 | -57.14 | 5.50 | 11.95 | Horizontal | -52.84 | -13.00 | 39.84 | 135 |
| 7 | 5720.0 | -57.15 | 5.70 | 13.55 | Horizontal | -51.45 | -13.00 | 38.45 | 90 |
| 8 | 6538.0 | -56.64 | 6.30 | 13.75 | Horizontal | -51.34 | -13.00 | 38.34 | 45 |
| 9 | 7355.0 | -54.26 | 6.80 | 13.85 | Horizontal | -49.36 | -13.00 | 36.36 | 0 |
| 10 | 8172.5 | -53.33 | 6.90 | 14.25 | Horizontal | -48.13 | -13.00 | 35.13 | 225 |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.
2.The worst emission was found in the antenna is Horizontal position.

LTE Band 26 10MHz CH Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1629.3 | -42.46 | 2.00 | 10.75 | Horizontal | -35.86 | -13.00 | 22.86 | 90 |
| 3 | 2444.1 | -44.97 | 2.51 | 11.05 | Horizontal | -38.58 | -13.00 | 25.58 | 270 |
| 4 | 3259.0 | -58.23 | 4.20 | 11.15 | Horizontal | -53.43 | -13.00 | 40.43 | 180 |
| 5 | 4070.0 | -59.01 | 5.20 | 11.15 | Horizontal | -55.21 | -13.00 | 42.21 | 45 |
| 6 | 4884.0 | -57.20 | 5.50 | 11.95 | Horizontal | -52.90 | -13.00 | 39.90 | 90 |
| 7 | 5698.0 | -56.52 | 5.70 | 13.55 | Horizontal | -50.82 | -13.00 | 37.82 | 45 |
| 8 | 6512.0 | -56.53 | 6.30 | 13.75 | Horizontal | -51.23 | -13.00 | 38.23 | 90 |
| 9 | 7326.0 | -54.06 | 6.80 | 13.85 | Horizontal | -49.16 | -13.00 | 36.16 | 270 |
| 10 | 8140.0 | -51.75 | 6.90 | 14.25 | Horizontal | -46.55 | -13.00 | 33.55 | 0 |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2.The worst emission was found in the antenna is Horizontal position.

Main Test Instruments

Date of Testing (variant): August 24, 2021 ~ November 25, 2021

| Name | Manufacturer | Type | Serial Number | Calibration Date | Expiration Date |
|--------------------------|--------------|------------|----------------|------------------|-----------------|
| Base Station Simulator | R&S | CMW500 | 113824 | 2021-05-15 | 2022-05-14 |
| Climate Chamber | Weiss | VT4002 | 58226119450010 | 2021-05-15 | 2022-05-14 |
| Spectrum Analyzer | Key sight | N9020 | MY52330084 | 2021-05-15 | 2022-05-14 |
| Signal Analyzer | R&S | FSV3030 | 101411 | 2020-12-13 | 2021-12-12 |
| Signal Analyzer | R&S | FSV30 | 100815 | 2020-12-13 | 2021-12-12 |
| TRILOG Broadband Antenna | Schwarzbeck | VULB 9163 | 01111 | 2019--9-12 | 2022-09-11 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 1594 | 2020-12-17 | 2021-12-16 |
| Software | R&S | EMC32 | 10.35.10 | / | / |