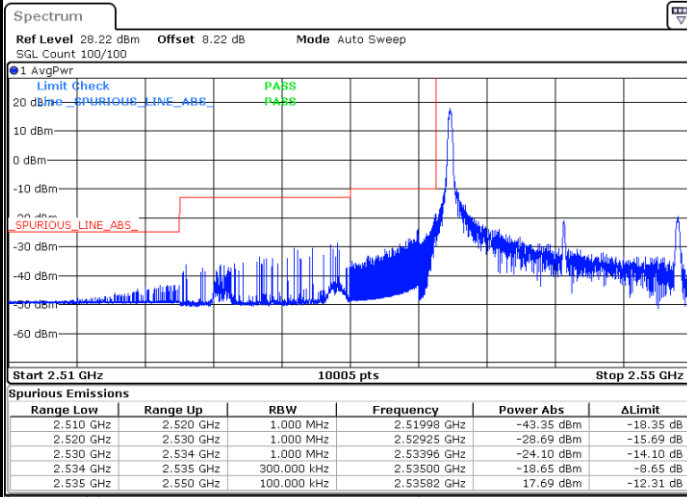




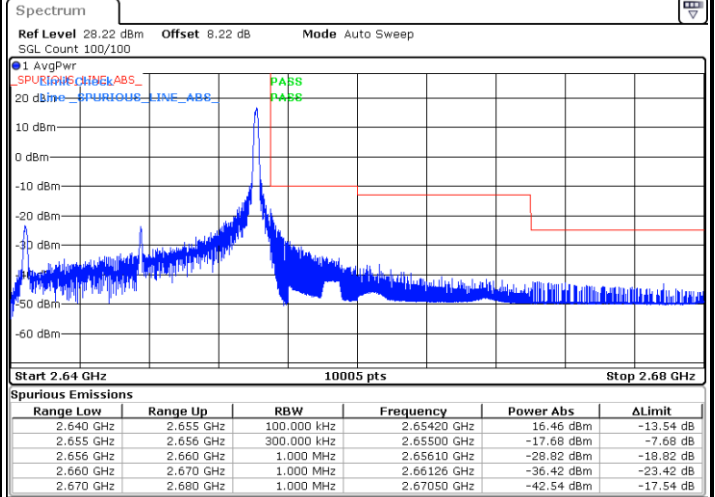
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



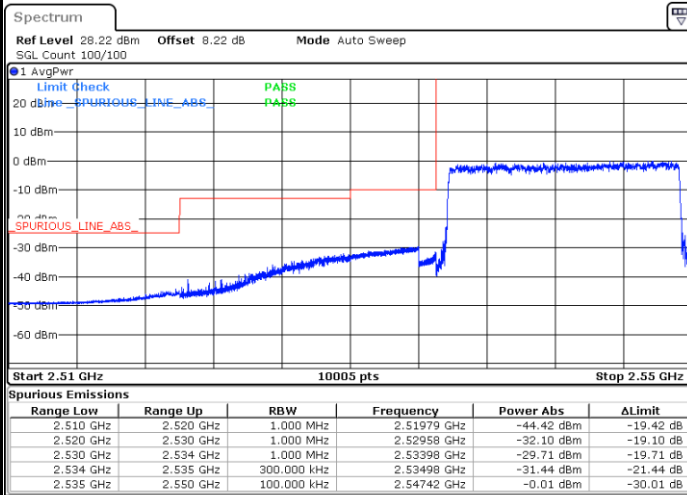
Date: 22.NOV.2022 02:17:28

Highest Band Edge / 1 RB



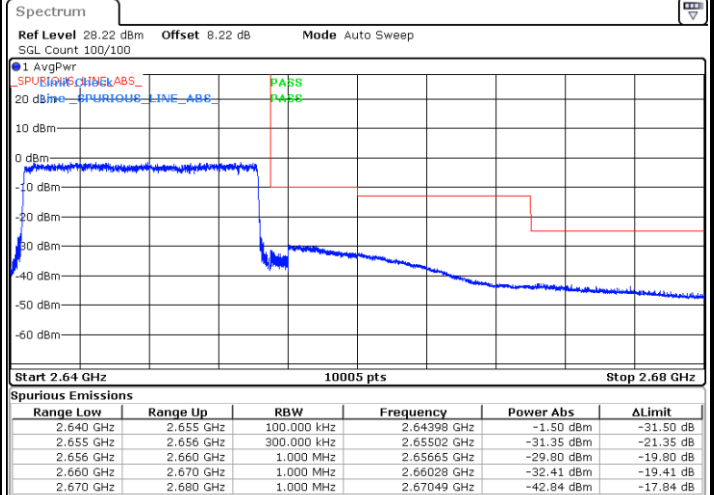
Date: 22.NOV.2022 02:27:59

Lowest Band Edge / Full RB



Date: 22.NOV.2022 02:20:21

Highest Band Edge / Full RB

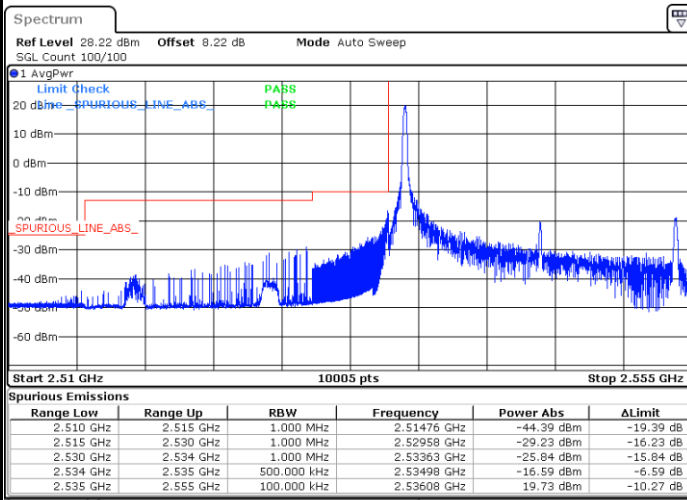


Date: 22.NOV.2022 02:24:05

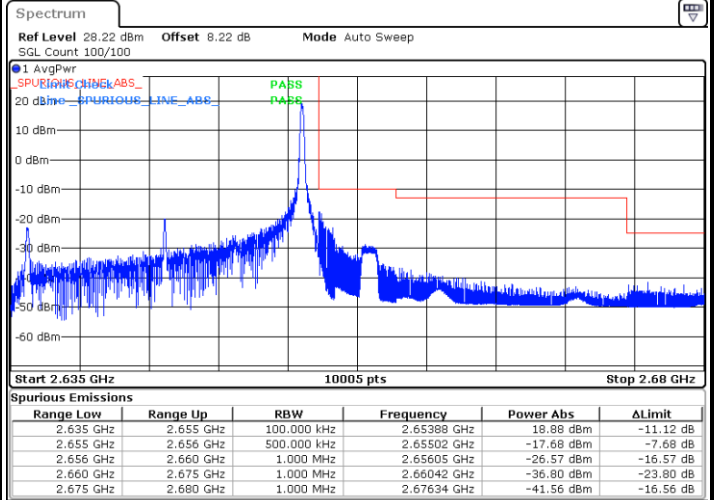


LTE Band 41 / 20MHz / QPSK

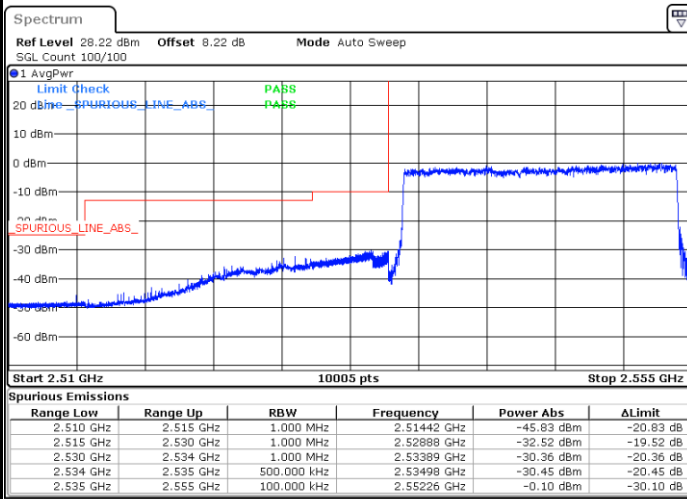
Lowest Band Edge / 1 RB



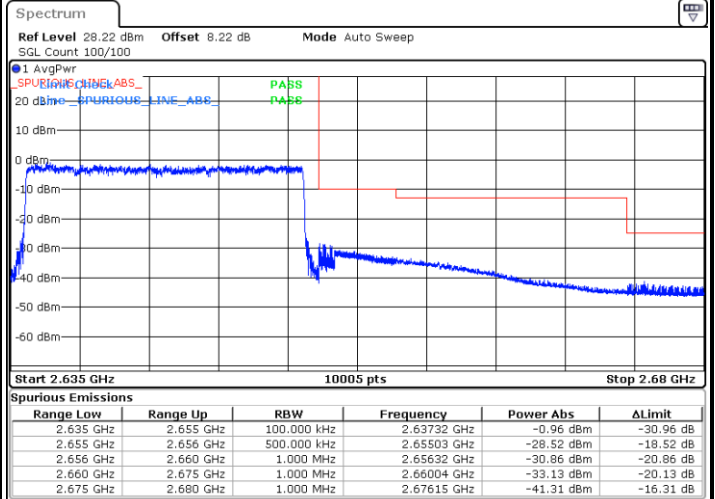
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



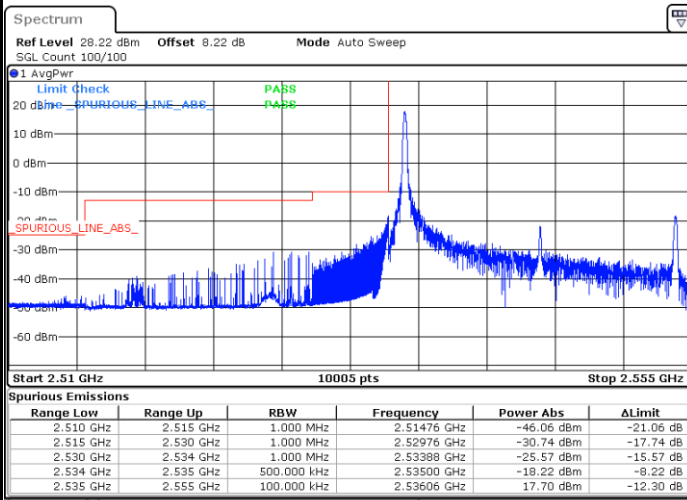
Highest Band Edge / Full RB





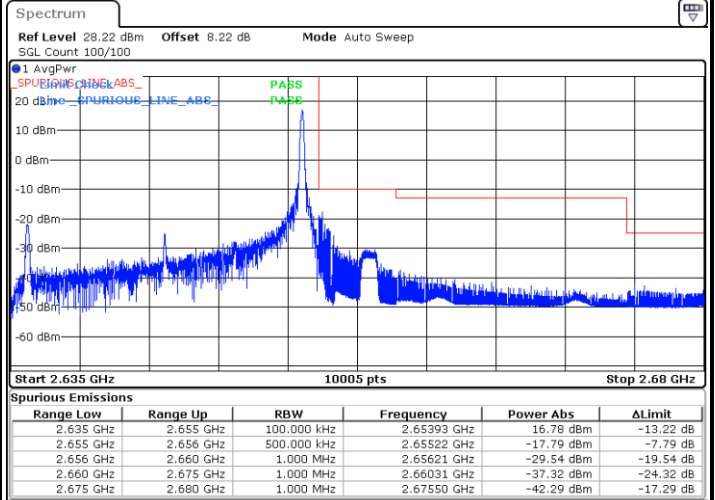
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



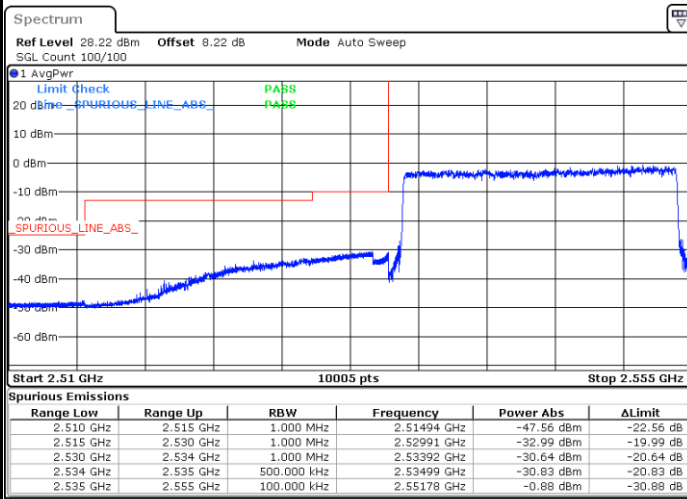
Date: 22.NOV.2022 02:36:01

Highest Band Edge / 1 RB



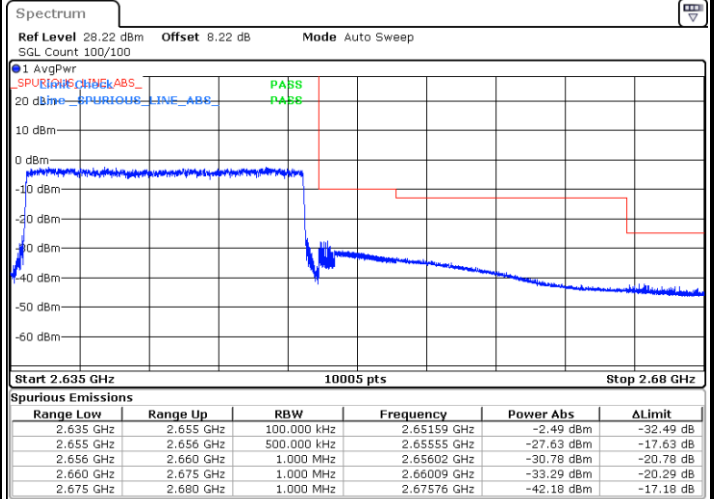
Date: 22.NOV.2022 02:43:20

Lowest Band Edge / Full RB



Date: 22.NOV.2022 02:38:18

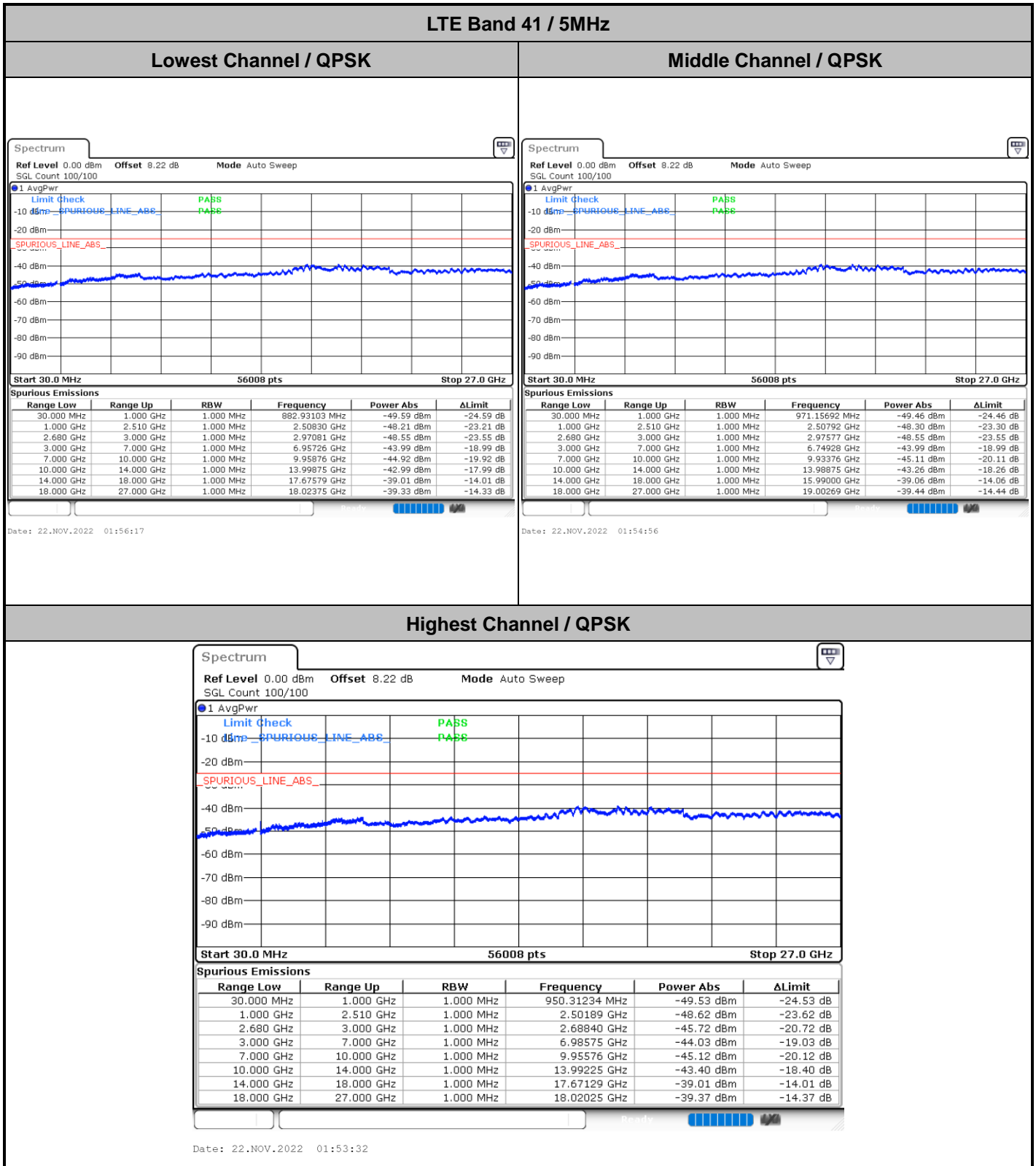
Highest Band Edge / Full RB



Date: 22.NOV.2022 02:41:07



Conducted Spurious Emission

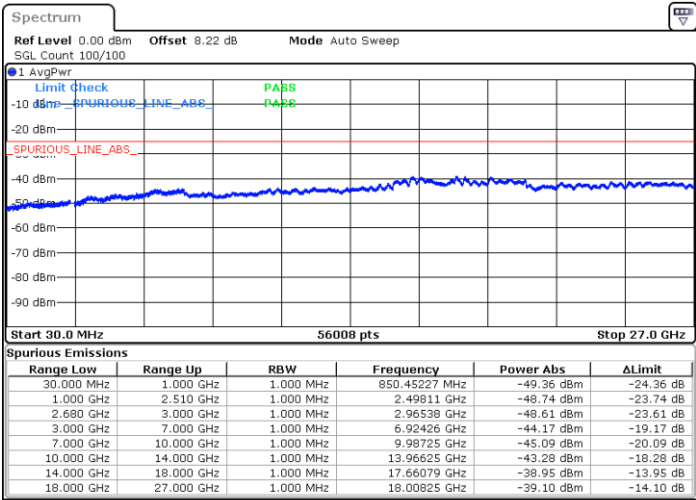




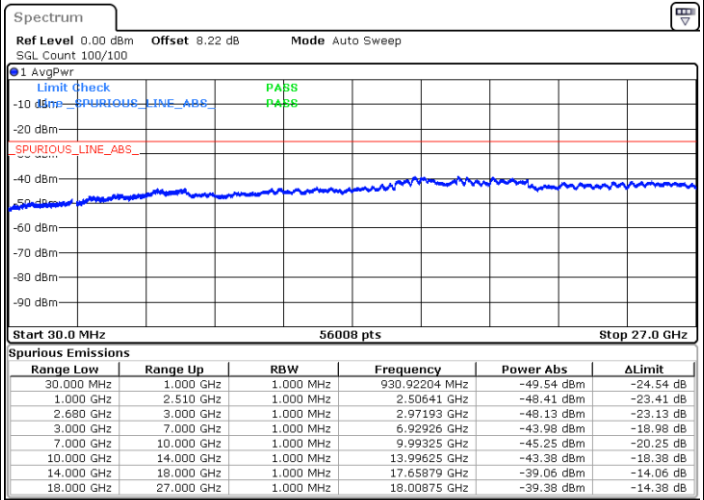
LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

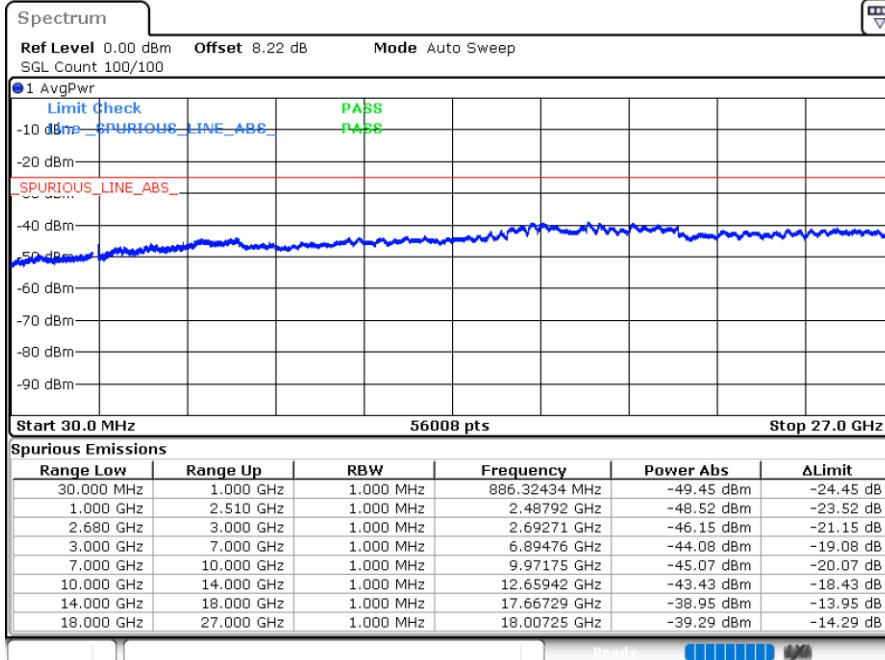


Date: 22.NOV.2022 02:12:36



Date: 22.NOV.2022 02:14:00

Highest Channel / QPSK



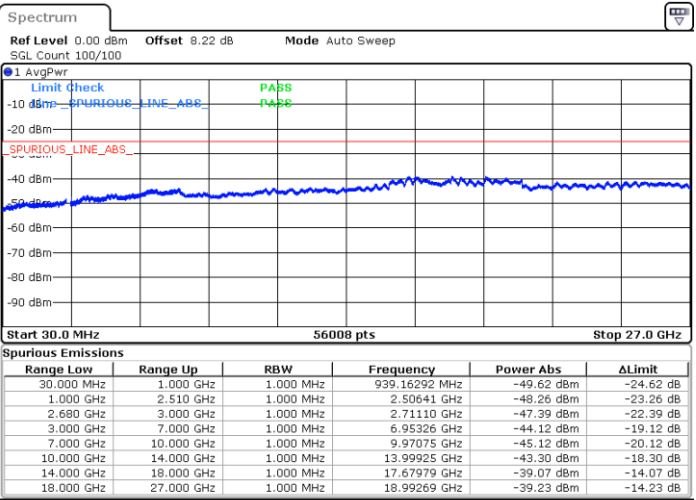
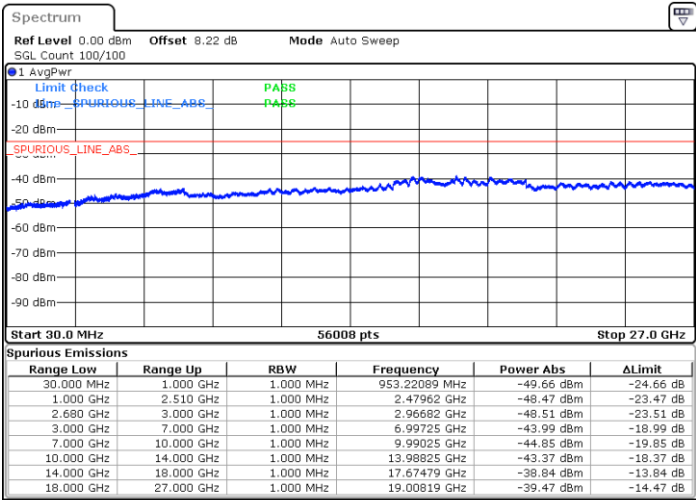
Date: 22.NOV.2022 02:15:14



LTE Band 41 / 15MHz

Lowest Channel / QPSK

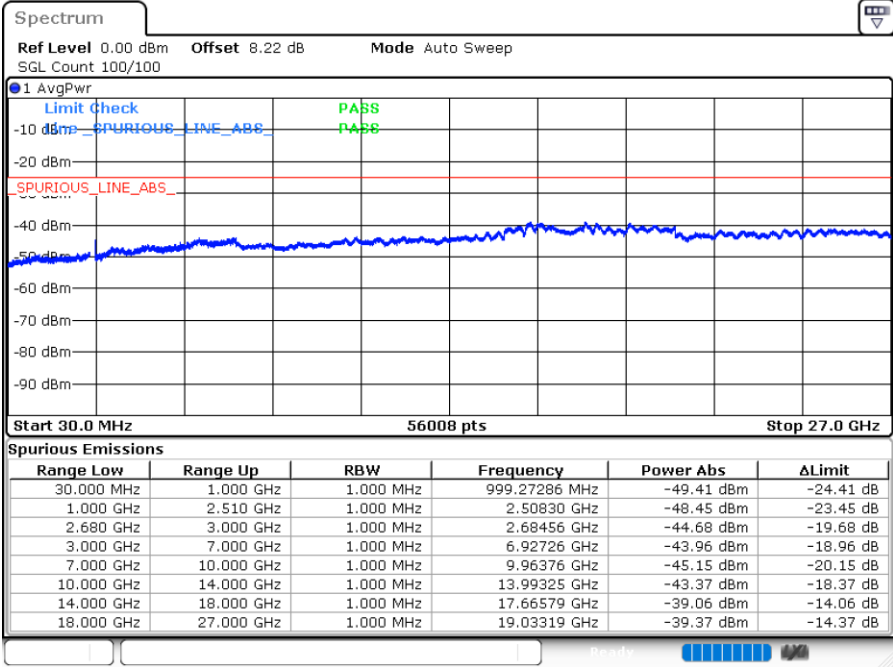
Middle Channel / QPSK



Date: 22.NOV.2022 02:30:15

Date: 22.NOV.2022 02:31:38

Highest Channel / QPSK



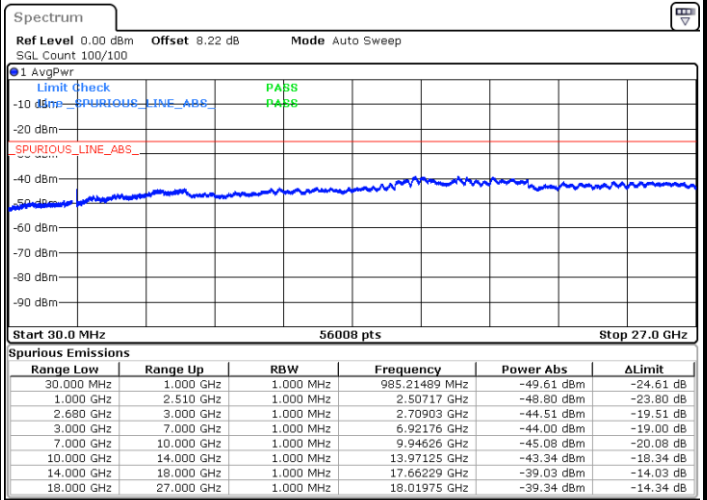
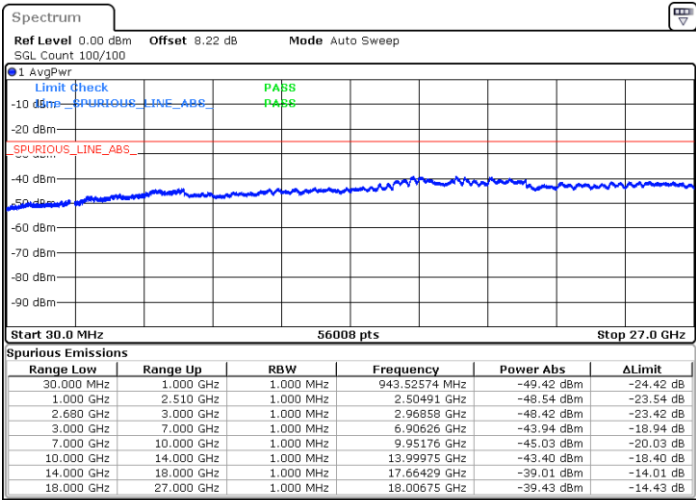
Date: 22.NOV.2022 02:32:53



LTE Band 41 / 20MHz

Lowest Channel / QPSK

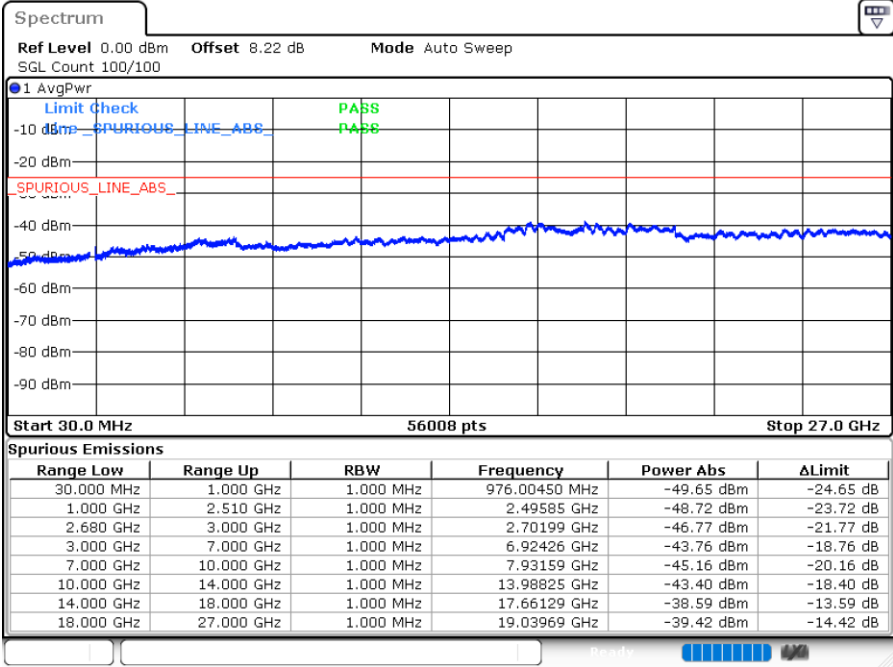
Middle Channel / QPSK



Date: 22.NOV.2022 02:45:50

Date: 22.NOV.2022 02:47:04

Highest Channel / QPSK



Date: 22.NOV.2022 02:48:19



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 | 0.0011 | PASS |
| 40 | Normal Voltage | 0.0006 | |
| 30 | Normal Voltage | 0.0032 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0010 | |
| 0 | Normal Voltage | 0.0006 | |
| -10 | Normal Voltage | 0.0017 | |
| -20 | Normal Voltage | 0.0003 | |
| -30 | Normal Voltage | 0.0006 | |
| 20 | Maximum Voltage | 0.0013 | |
| 20 | Normal Voltage | 0.0008 | |
| 20 | Battery End Point | 0.0017 | |

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

| LTE Band 5 / 10MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 1664.08 | -63.68 | -13 | -50.68 | -69.79 | -66.85 | 4.10 | 9.42 | H |
| | 2496.27 | -63.83 | -13 | -50.83 | -74.02 | -67.41 | 4.90 | 10.63 | H |
| | 3328.36 | -64.13 | -13 | -51.13 | -76.10 | -69.05 | 5.55 | 12.62 | H |
| | 1664.08 | -64.93 | -13 | -51.93 | -70.81 | -68.10 | 4.10 | 9.42 | V |
| | 2496.27 | -63.93 | -13 | -50.93 | -74.46 | -67.51 | 4.90 | 10.63 | V |
| | 3328.36 | -63.95 | -13 | -50.95 | -76.33 | -68.87 | 5.55 | 12.62 | V |

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

| LTE Band 41 / 20MHz / 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 | 5168.00 | -61.48 | -25 | -36.48 | -78.75 | -67.04 | 7.14 | 12.70 | H |
| | 7752.00 | -55.65 | -25 | -30.65 | -78.22 | -58.95 | 8.30 | 11.60 | H |
| | 10336.00 | -52.64 | -25 | -27.64 | -79.45 | -54.16 | 10.48 | 12.00 | H |
| | 5168.00 | -61.48 | -25 | -36.48 | -78.7 | -67.04 | 7.14 | 12.70 | V |
| | 7752.00 | -55.62 | -25 | -30.62 | -78.16 | -58.92 | 8.30 | 11.60 | V |
| | 10336.00 | -53.22 | -25 | -28.22 | -79.8 | -54.74 | 10.48 | 12.00 | V |

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