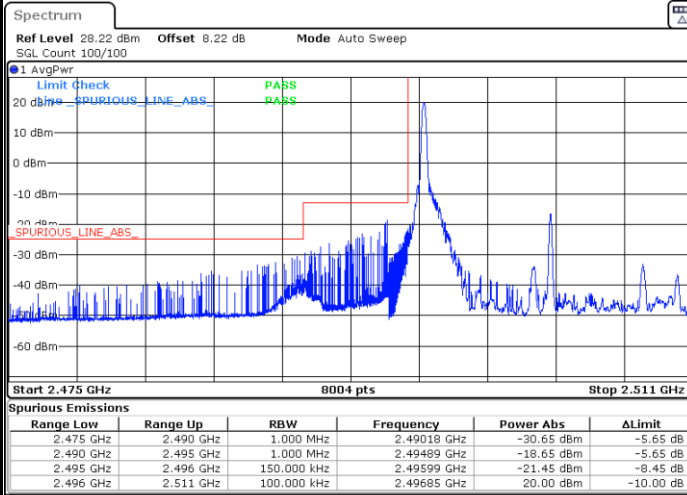




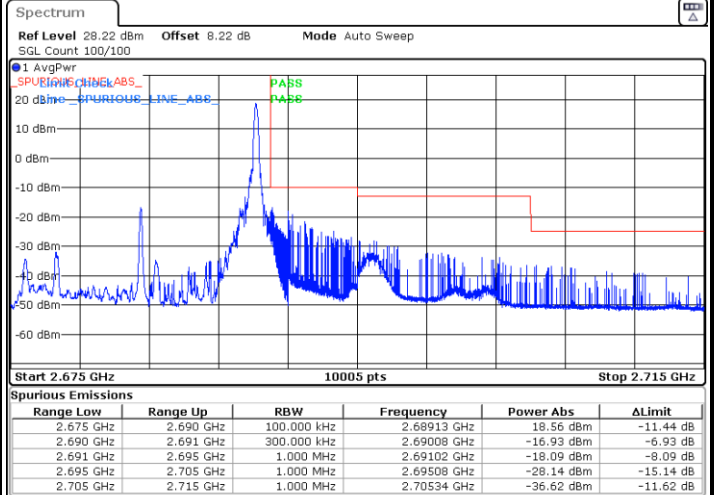
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



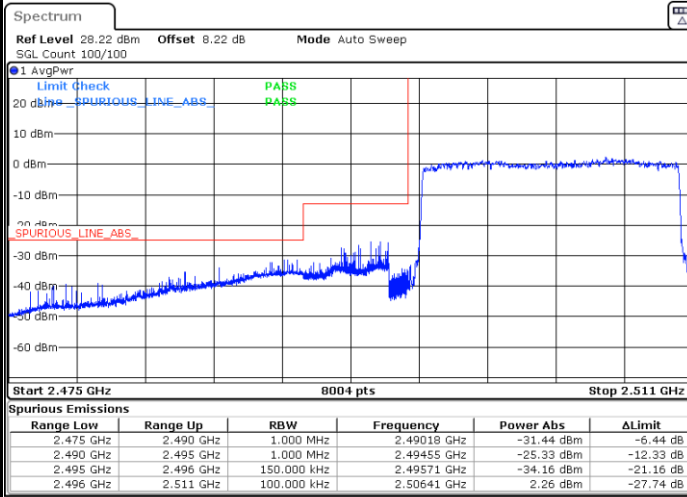
Date: 22.JAN.2024 21:30:09

Highest Band Edge / 1 RB



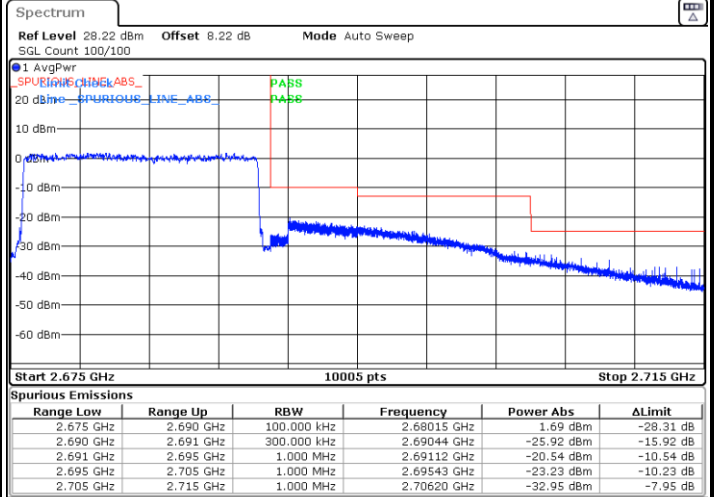
Date: 22.JAN.2024 21:34:51

Lowest Band Edge / Full RB



Date: 22.JAN.2024 21:32:33

Highest Band Edge / Full RB

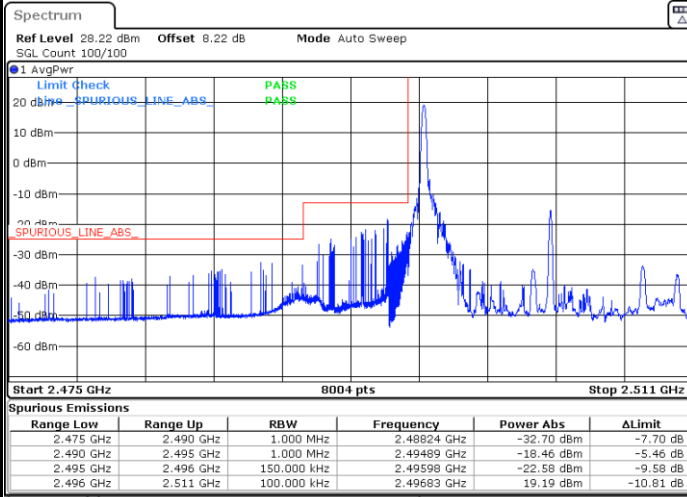


Date: 22.JAN.2024 21:37:07



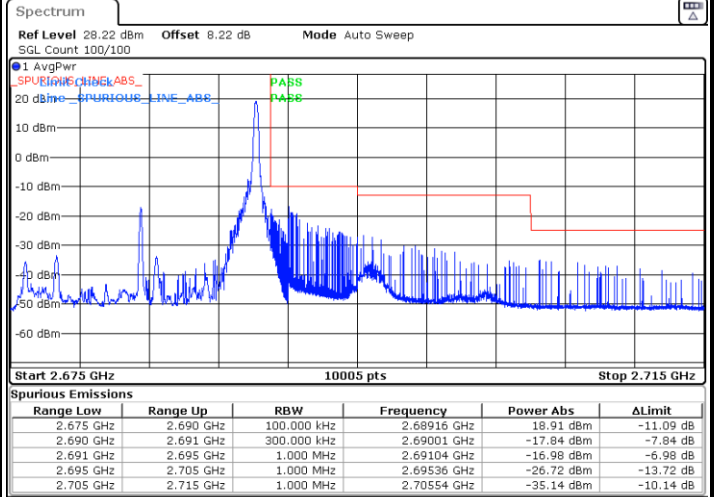
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



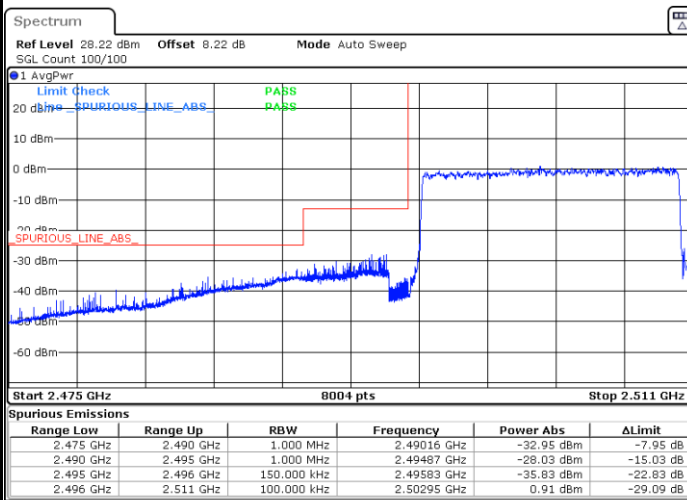
Date: 22.JAN.2024 21:30:57

Highest Band Edge / 1 RB



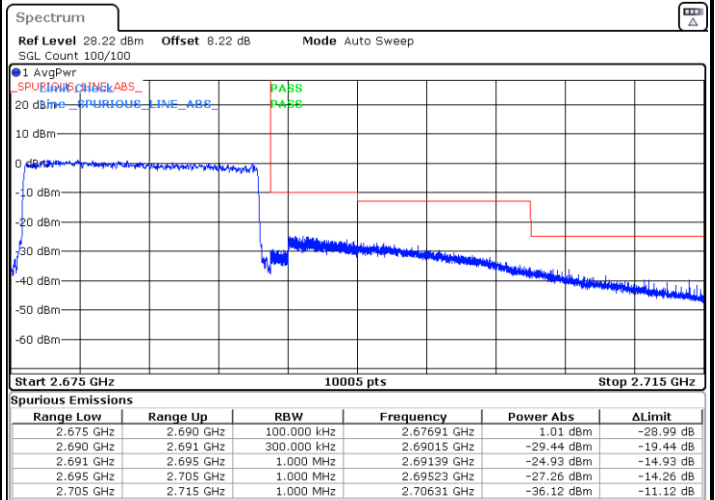
Date: 22.JAN.2024 21:35:37

Lowest Band Edge / Full RB



Date: 22.JAN.2024 21:33:20

Highest Band Edge / Full RB

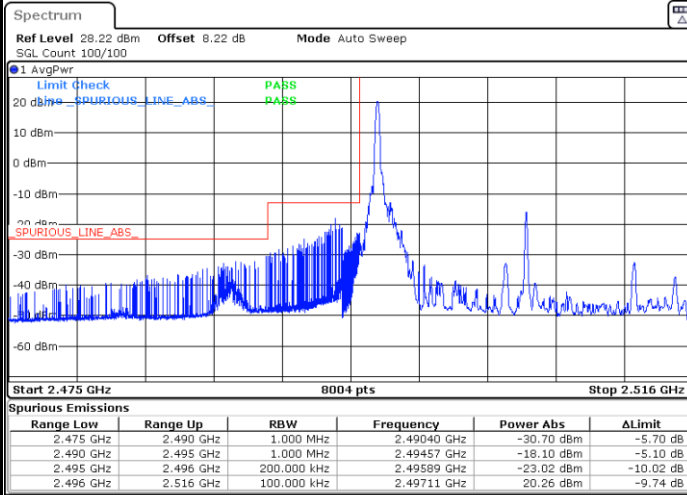


Date: 22.JAN.2024 21:37:53



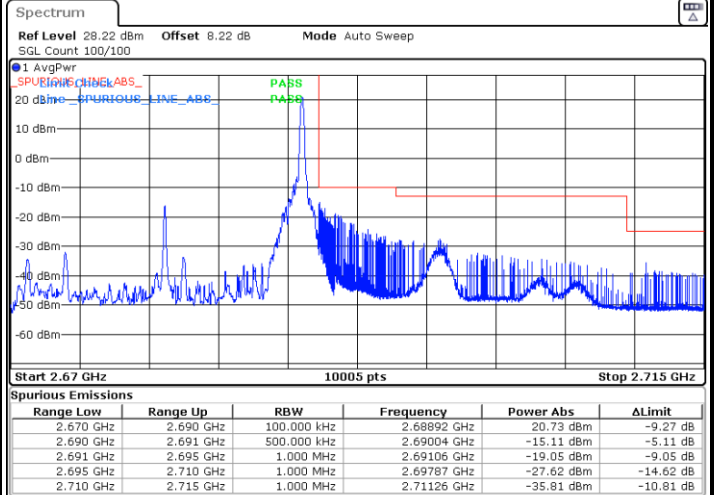
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



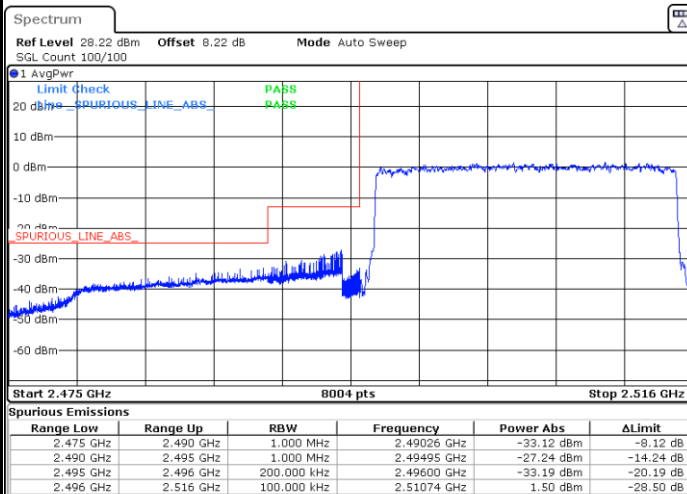
Date: 22, JAN. 2024 21:38:41

Highest Band Edge / 1 RB



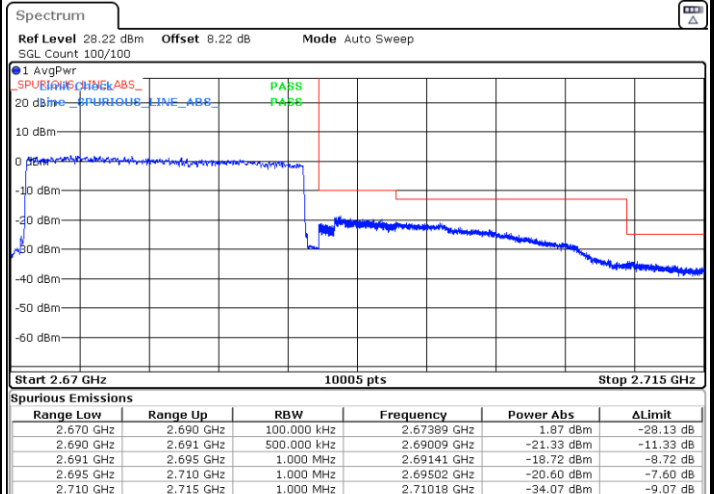
Date: 22, JAN. 2024 21:43:25

Lowest Band Edge / Full RB



Date: 22, JAN. 2024 21:41:04

Highest Band Edge / Full RB

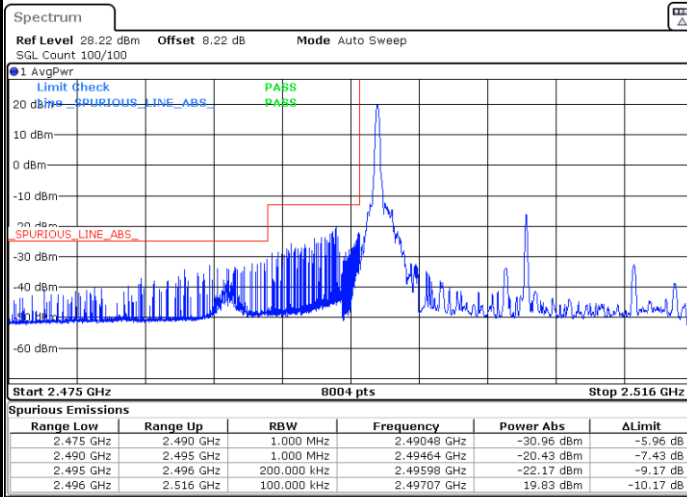


Date: 22, JAN. 2024 21:45:41



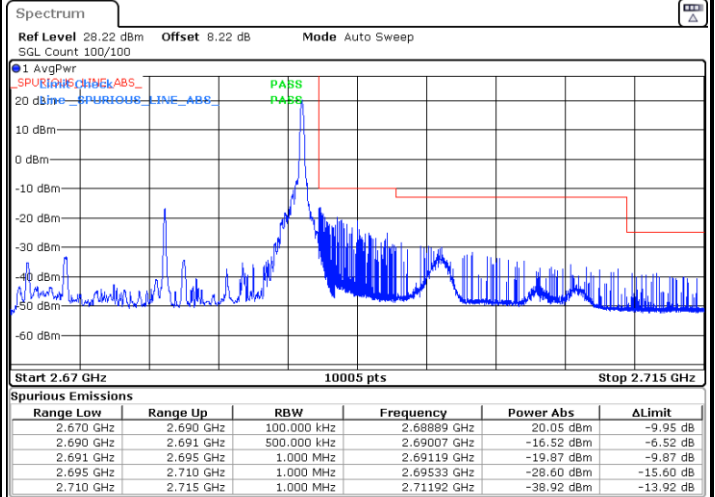
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



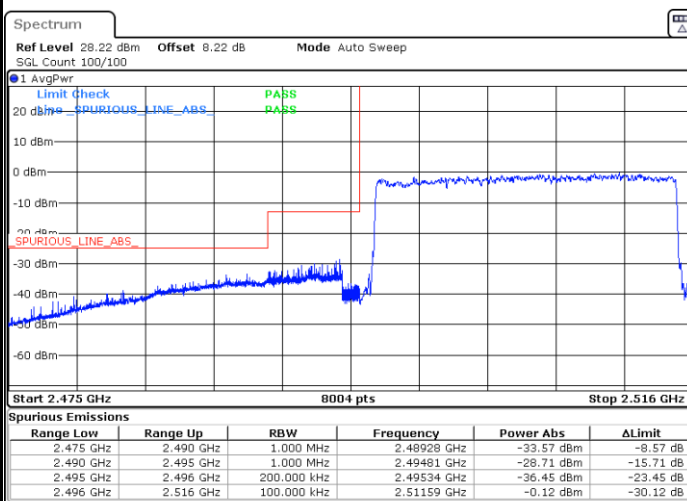
Date: 22.JAN.2024 21:39:29

Highest Band Edge / 1 RB



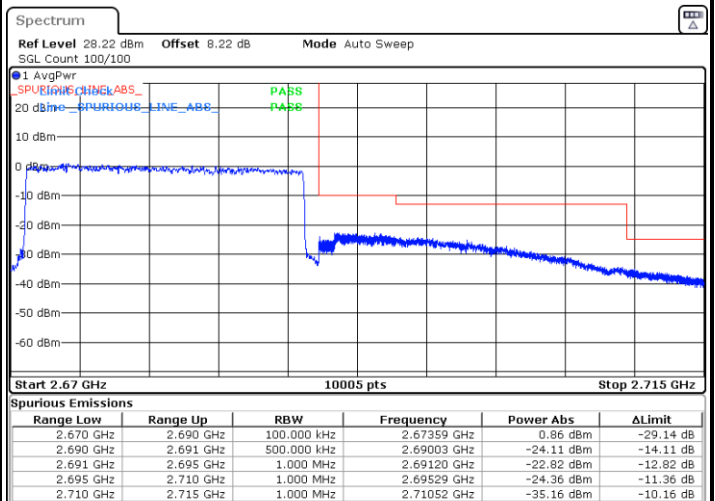
Date: 22.JAN.2024 21:44:10

Lowest Band Edge / Full RB



Date: 22.JAN.2024 21:42:40

Highest Band Edge / Full RB

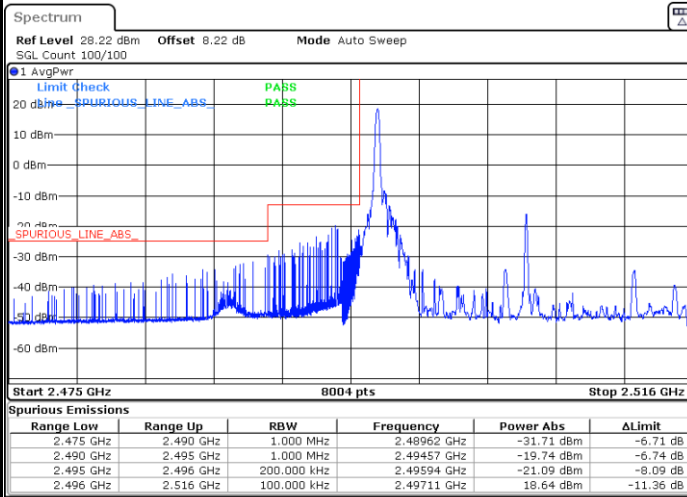


Date: 22.JAN.2024 21:46:26



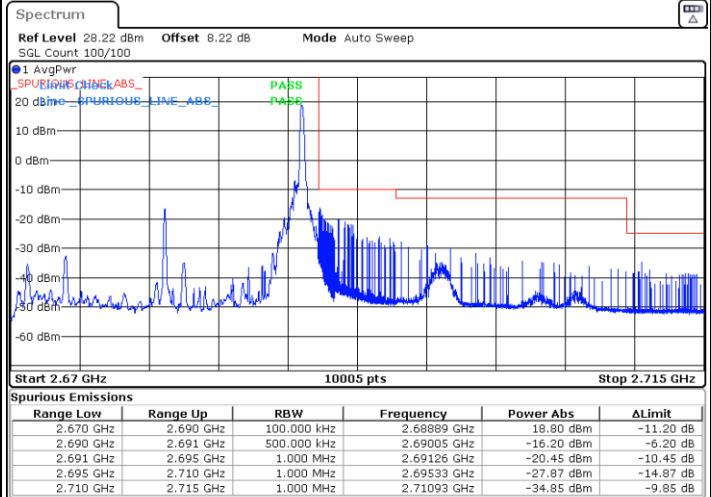
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



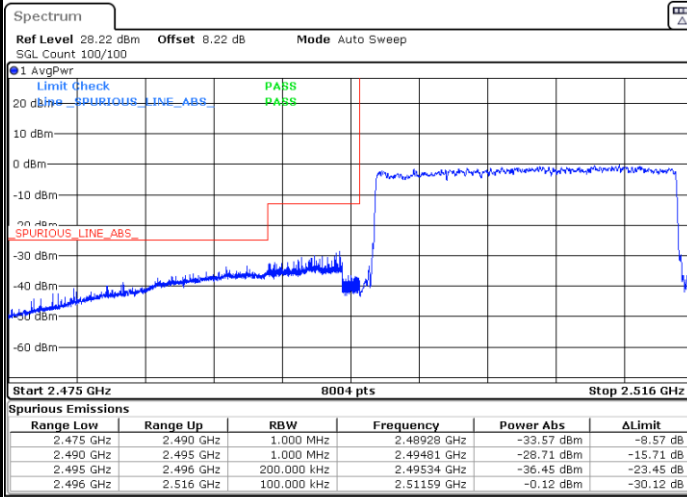
Date: 22.JAN.2024 21:40:16

Highest Band Edge / 1 RB



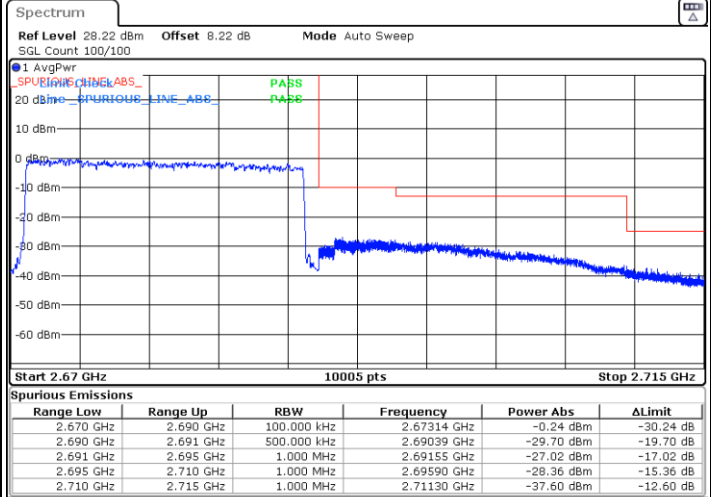
Date: 22.JAN.2024 21:44:56

Lowest Band Edge / Full RB



Date: 22.JAN.2024 21:42:40

Highest Band Edge / Full RB



Date: 22.JAN.2024 21:47:12

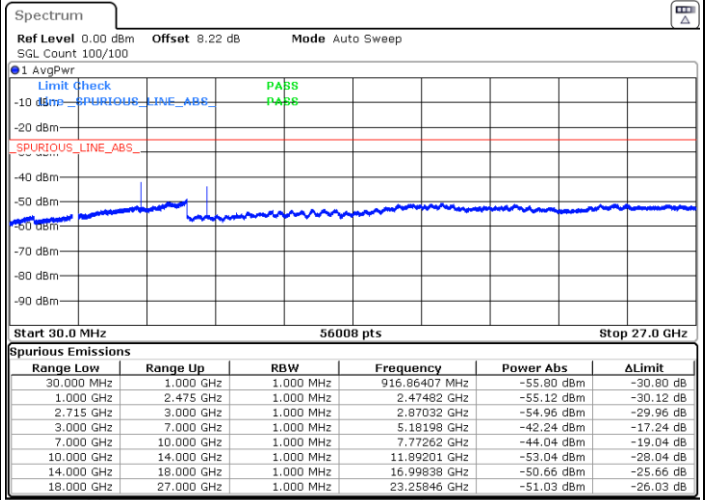
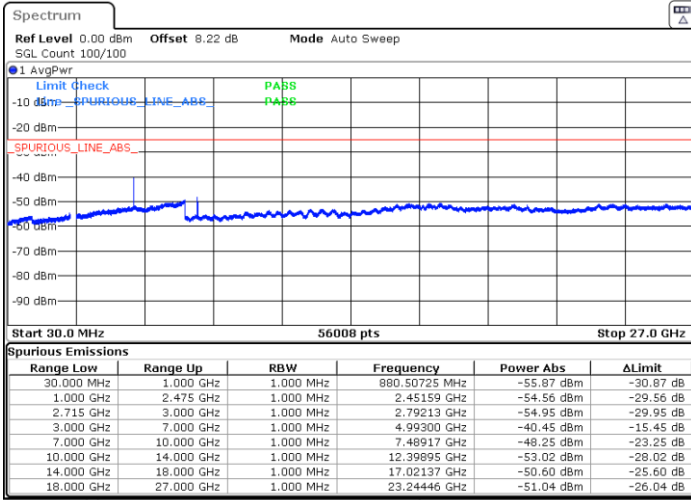


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

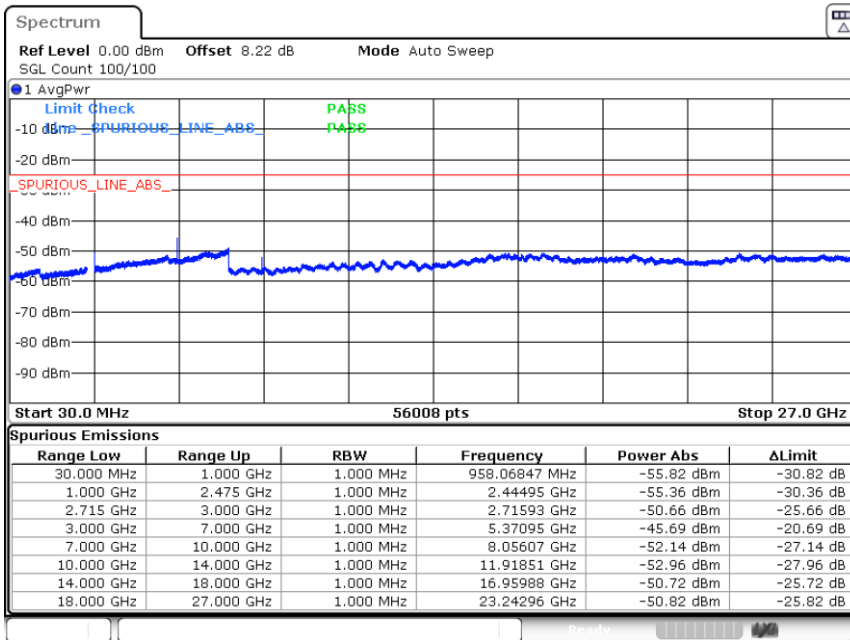
Middle Channel / QPSK



Date: 22.JAN.2024 21:52:39

Date: 22.JAN.2024 21:54:41

Highest Channel / QPSK



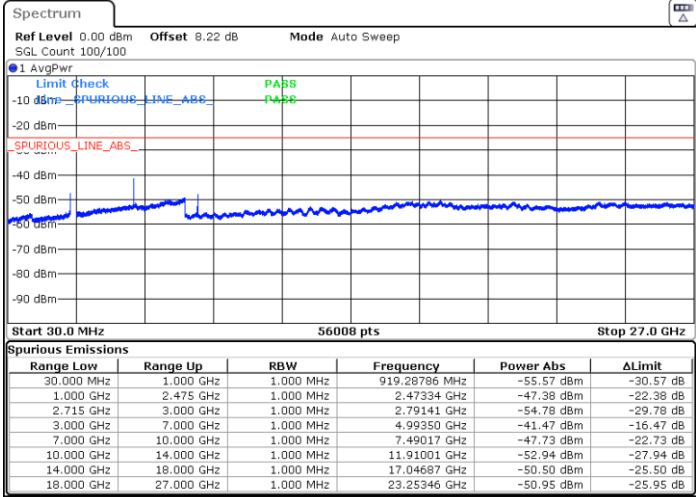
Date: 22.JAN.2024 21:56:44



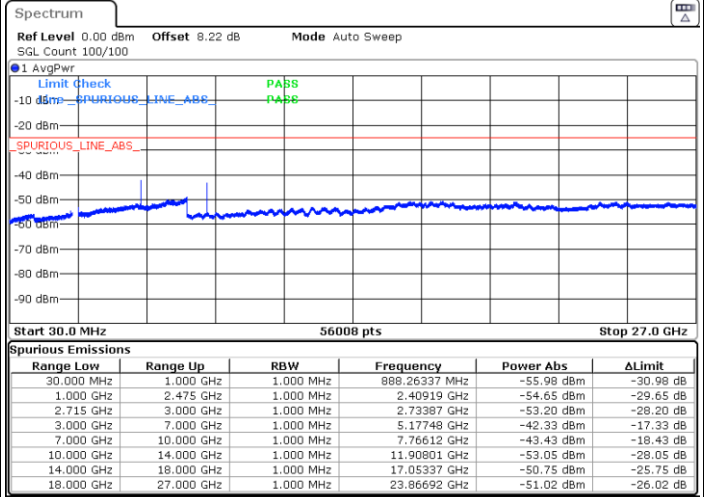
LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

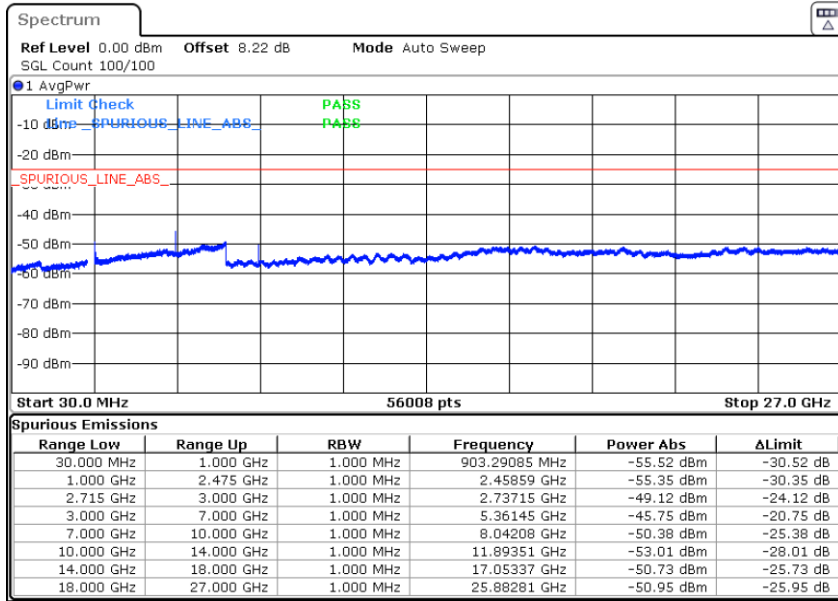


Date: 22.JAN.2024 21:58:47



Date: 22.JAN.2024 22:00:49

Highest Channel / QPSK



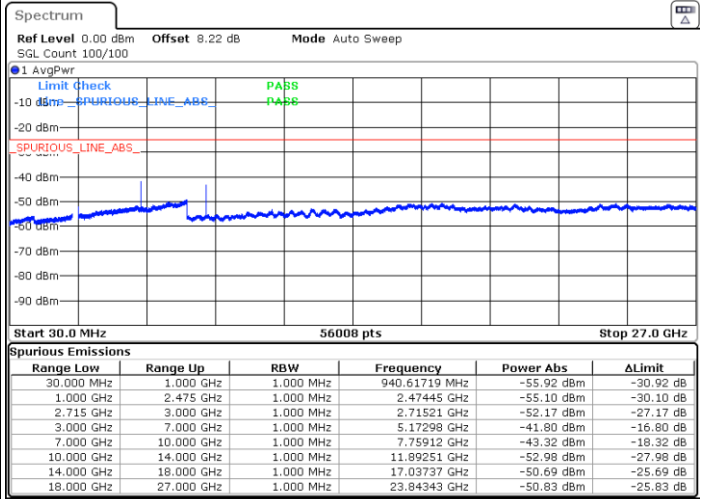
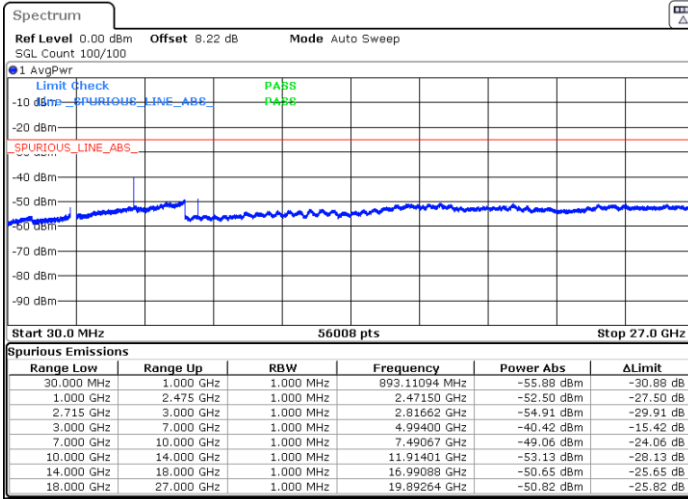
Date: 22.JAN.2024 22:02:51



LTE Band 41 / 15MHz

Lowest Channel / QPSK

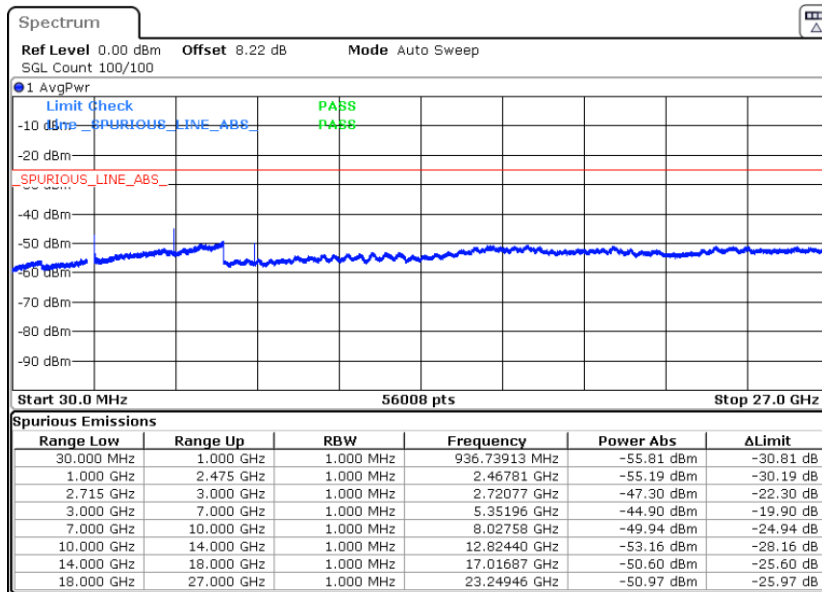
Middle Channel / QPSK



Date: 22.JAN.2024 22:04:54

Date: 22.JAN.2024 22:06:56

Highest Channel / QPSK



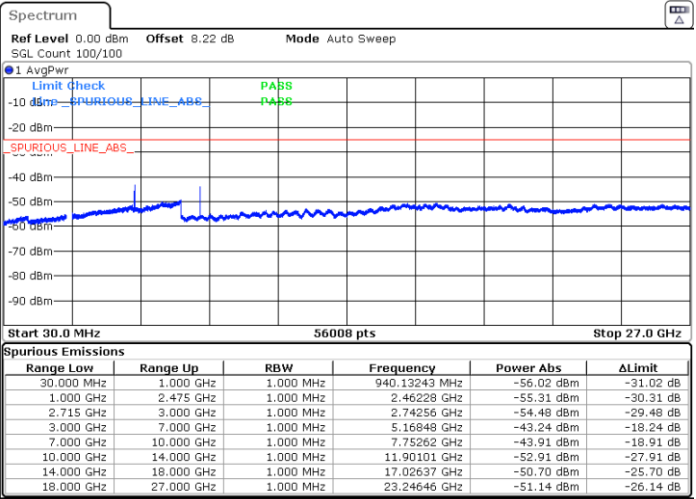
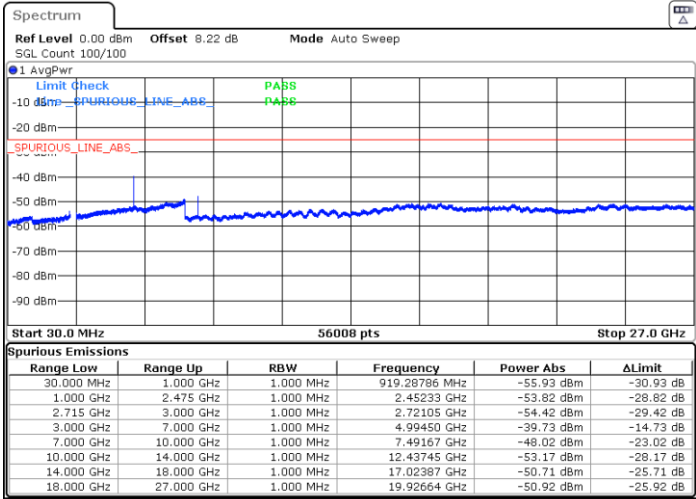
Date: 22.JAN.2024 22:08:59



LTE Band 41 / 20MHz

Lowest Channel / QPSK

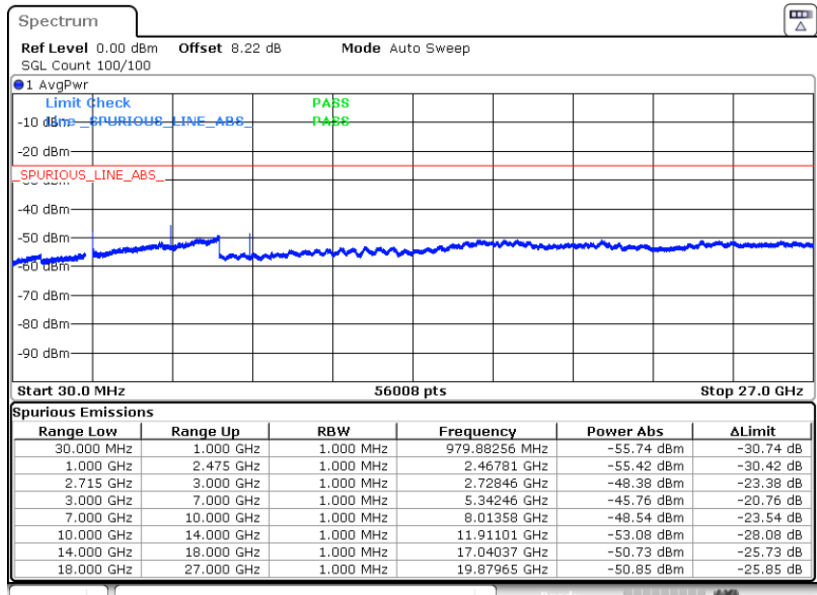
Middle Channel / QPSK



Date: 22.JAN.2024 22:11:02

Date: 22.JAN.2024 22:13:04

Highest Channel / QPSK



Date: 22.JAN.2024 22:15:06



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 | 0.0019 | PASS |
| 40 | Normal Voltage | 0.0016 | |
| 30 | Normal Voltage | 0.0024 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0038 | |
| 0 | Normal Voltage | 0.0057 | |
| -10 | Normal Voltage | 0.0003 | |
| -20 | Normal Voltage | 0.0006 | |
| -30 | Normal Voltage | 0.0042 | |
| 20 | Maximum Voltage | 0.0008 | |
| 20 | Normal Voltage | 0.0044 | |
| 20 | Battery End Point | 0.0021 | |

Note:

- 3. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.48V.
- 4. 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% |

| LTE Band 5 / 5MHz / QPSK | | | | | | | | |
|--------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1672 | -64.01 | -13 | -51.01 | -70.98 | 1.58 | 10.70 | H |
| | 2504 | -60.39 | -13 | -47.39 | -68.64 | 2.102 | 12.50 | H |
| | 3336 | -60.82 | -13 | -47.82 | -69.71 | 2.856 | 13.90 | H |
| | 1672 | -63.55 | -13 | -50.55 | -70.52 | 1.58 | 10.70 | V |
| | 2504 | -56.24 | -13 | -43.24 | -64.49 | 2.10 | 12.50 | V |
| | 3336 | -61.26 | -13 | -48.26 | -70.15 | 2.86 | 13.90 | V |

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

| LTE Band 5 / 10MHz / QPSK | | | | | | | | |
|---------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1664 | -65.27 | -13 | -52.27 | -72.24 | 1.58 | 10.70 | H |
| | 2496 | -61.80 | -13 | -48.80 | -70.05 | 2.102 | 12.50 | H |
| | 3328 | -61.32 | -13 | -48.32 | -70.21 | 2.856 | 13.90 | H |
| | 1664 | -64.01 | -13 | -51.01 | -70.98 | 1.58 | 10.70 | V |
| | 2496 | -59.99 | -13 | -46.99 | -68.24 | 2.10 | 12.50 | V |
| | 3328 | -61.27 | -13 | -48.27 | -70.16 | 2.86 | 13.90 | V |

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



| LTE Band 12 / 10MHz / QPSK | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 1400 | -68.37 | -13 | -55.37 | -75.34 | 1.58 | 10.70 | H |
| | 2096 | -63.97 | -13 | -50.97 | -72.22 | 2.102 | 12.50 | H |
| | 2800 | -59.72 | -13 | -46.72 | -68.61 | 2.856 | 13.90 | H |
| | 1400 | -67.90 | -13 | -54.90 | -74.87 | 1.58 | 10.70 | V |
| | 2096 | -63.29 | -13 | -50.29 | -71.54 | 2.10 | 12.50 | V |
| | 2800 | -59.45 | -13 | -46.45 | -68.34 | 2.86 | 13.90 | V |
| Middle | 1408 | -68.36 | -13 | -55.36 | -75.33 | 1.58 | 10.70 | H |
| | 2112 | -63.11 | -13 | -50.11 | -71.36 | 2.102 | 12.50 | H |
| | 2816 | -60.45 | -13 | -47.45 | -69.34 | 2.856 | 13.90 | H |
| | 1408 | -68.02 | -13 | -55.02 | -74.99 | 1.58 | 10.70 | V |
| | 2112 | -62.08 | -13 | -49.08 | -70.33 | 2.10 | 12.50 | V |
| | 2816 | -60.14 | -13 | -47.14 | -69.03 | 2.86 | 13.90 | V |
| Highest | 1416 | -67.60 | -13 | -54.60 | -74.57 | 1.58 | 10.70 | H |
| | 2120 | -62.54 | -13 | -49.54 | -70.79 | 2.102 | 12.50 | H |
| | 2824 | -60.39 | -13 | -47.39 | -69.28 | 2.856 | 13.90 | H |
| | 1416 | -67.41 | -13 | -54.41 | -74.38 | 1.58 | 10.70 | V |
| | 2120 | -61.33 | -13 | -48.33 | -69.58 | 2.10 | 12.50 | V |
| | 2824 | -59.61 | -13 | -46.61 | -68.50 | 2.86 | 13.90 | 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) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5162 | -58.78 | -25 | -33.78 | -68.99 | 3.03 | 13.24 | H |
| | 7752 | -45.56 | -25 | -20.56 | -55.01 | 3.56 | 13.01 | H |
| | 10342 | -60.52 | -25 | -35.52 | -70.04 | 3.92 | 13.44 | H |
| | 5162 | -57.28 | -25 | -32.28 | -67.49 | 3.03 | 13.24 | V |
| | 7752 | -41.50 | -25 | -16.50 | -50.95 | 3.56 | 13.01 | V |
| | 10342 | -59.12 | -25 | -34.12 | -68.64 | 3.92 | 13.44 | V |

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