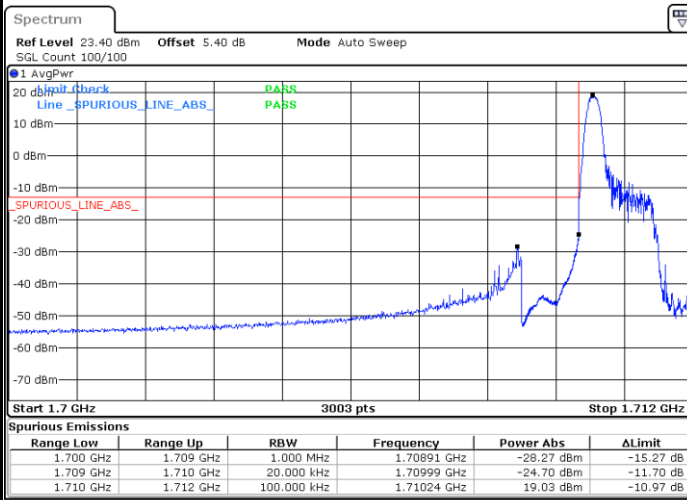




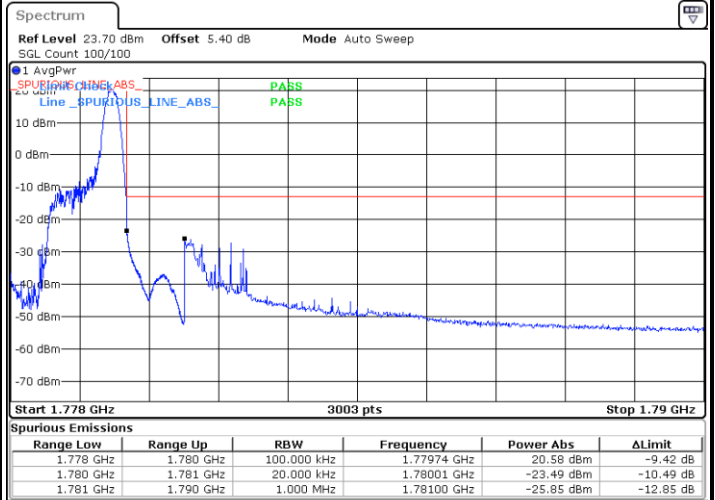
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



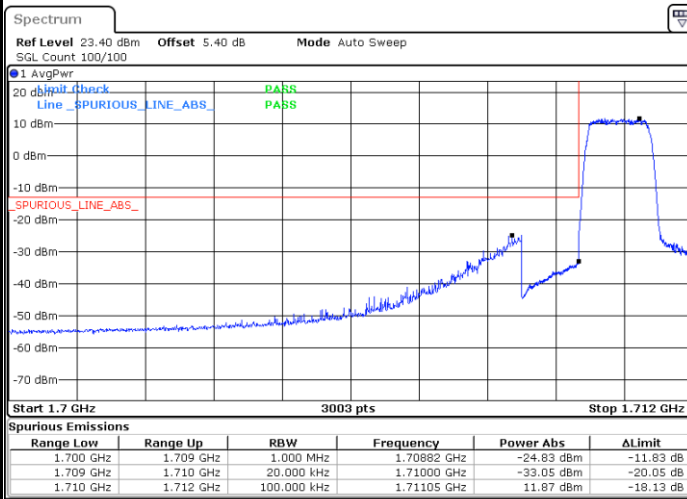
Date: 25 JUN 2021 03:34:17

Highest Band Edge / 1 RB



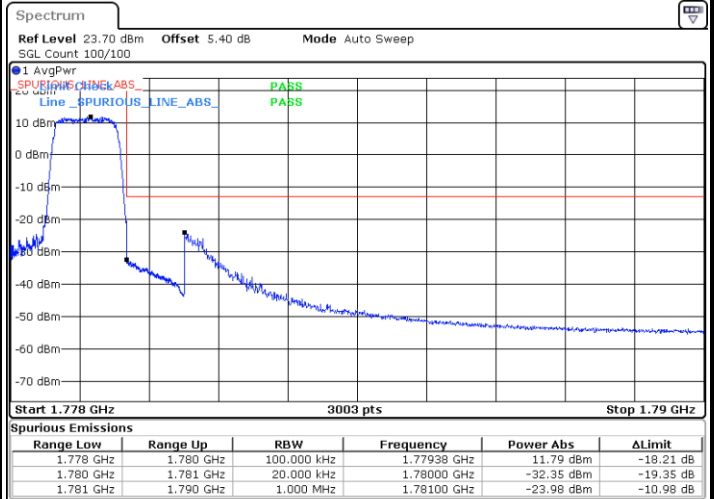
Date: 25 JUN 2021 03:45:11

Lowest Band Edge / Full RB



Date: 25 JUN 2021 03:38:22

Highest Band Edge / Full RB

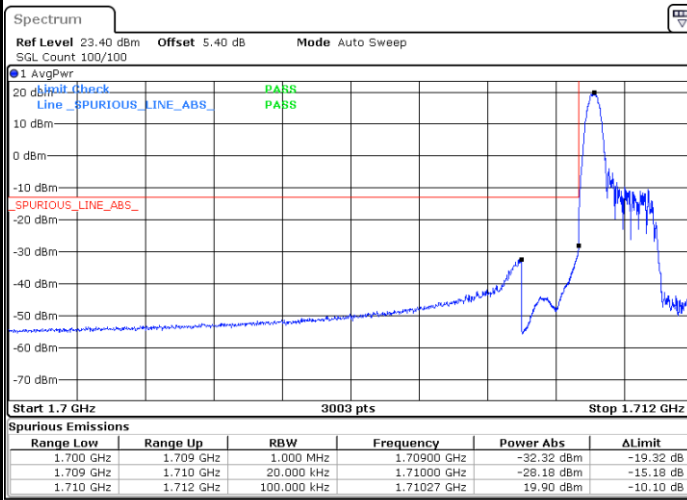


Date: 25 JUN 2021 03:41:53



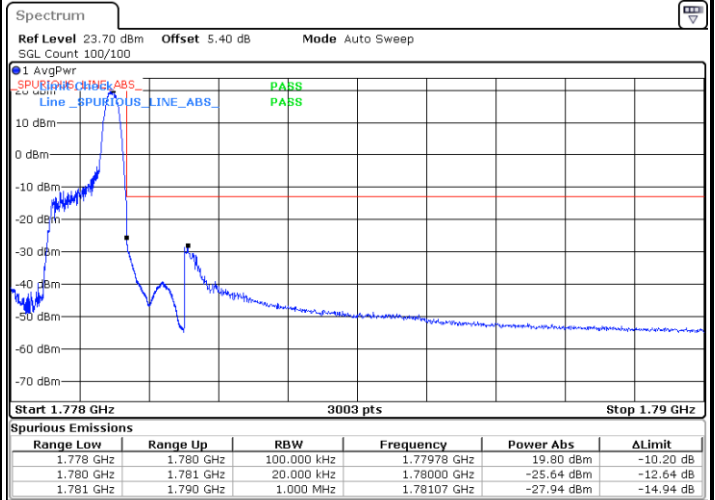
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



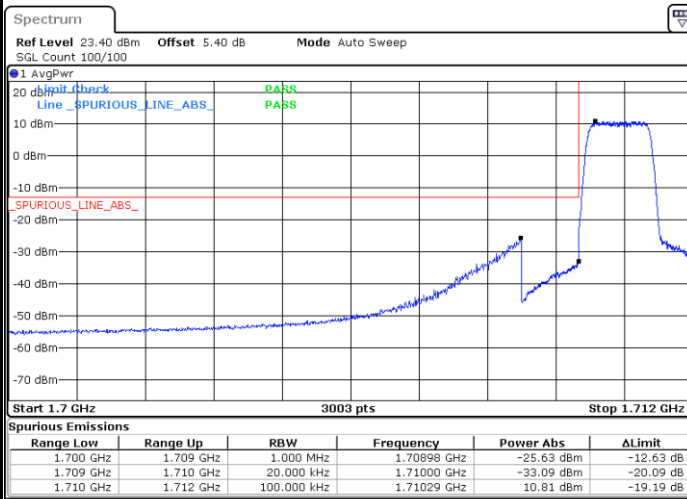
Date: 25 JUN 2021 03:35:58

Highest Band Edge / 1 RB



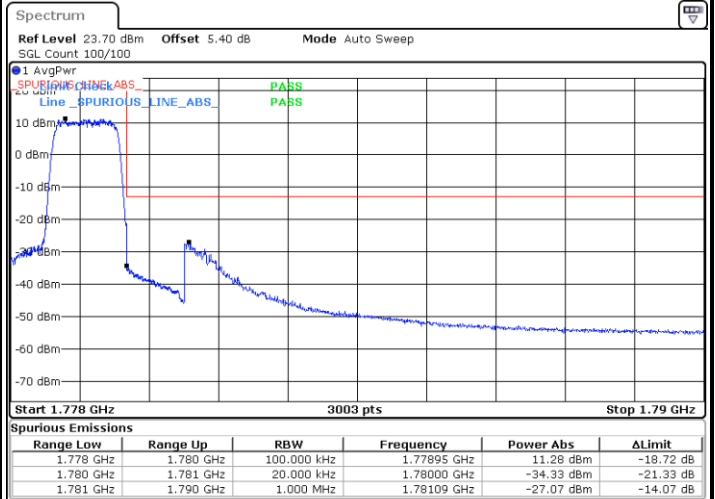
Date: 25 JUN 2021 03:44:07

Lowest Band Edge / Full RB



Date: 25 JUN 2021 03:37:13

Highest Band Edge / Full RB

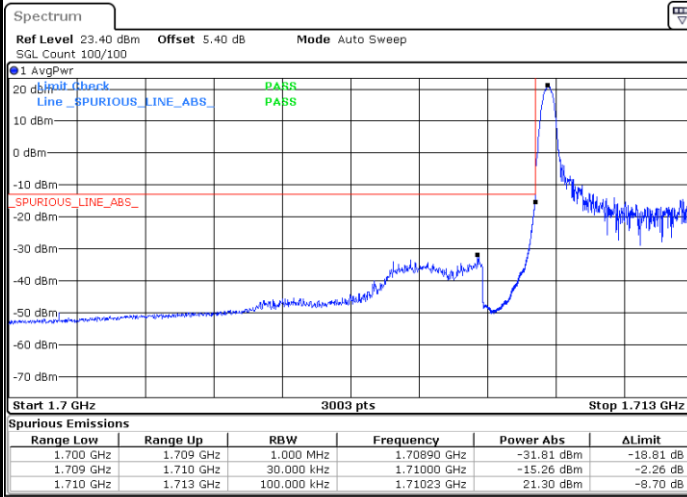


Date: 25 JUN 2021 03:43:00



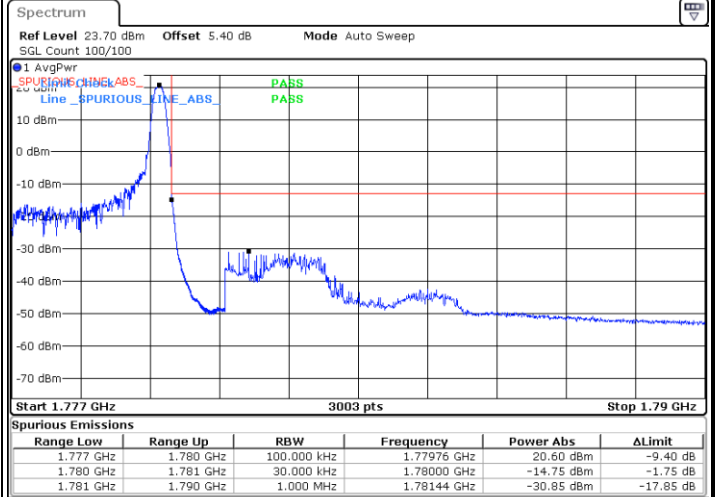
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



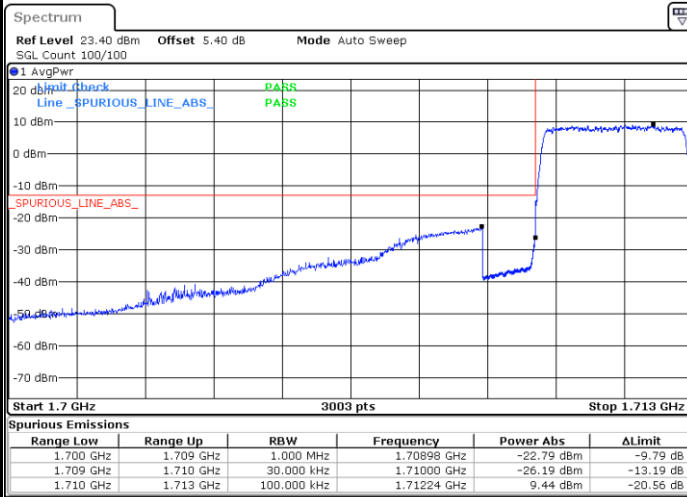
Date: 25 JUN 2021 03:50:41

Highest Band Edge / 1 RB



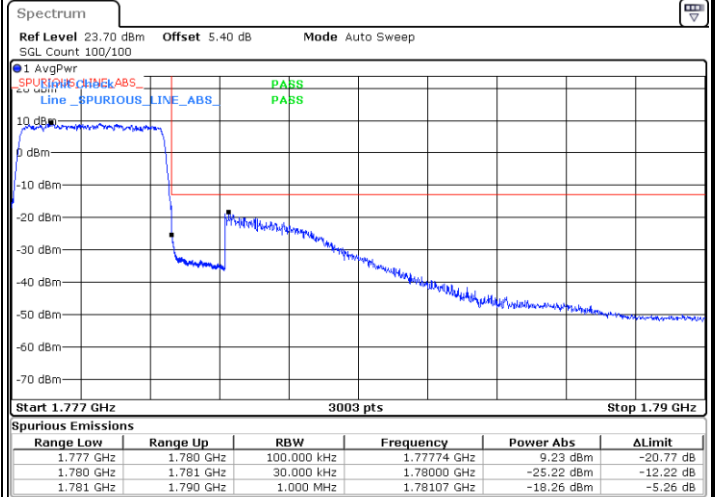
Date: 25 JUN 2021 03:58:48

Lowest Band Edge / Full RB



Date: 25 JUN 2021 03:54:32

Highest Band Edge / Full RB

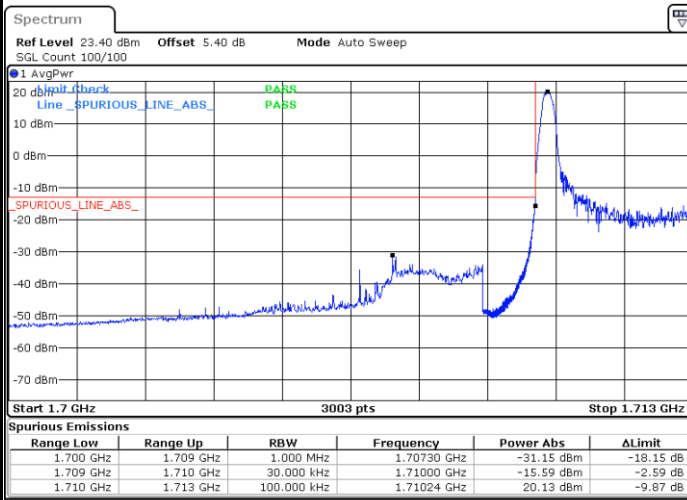


Date: 25 JUN 2021 03:55:32



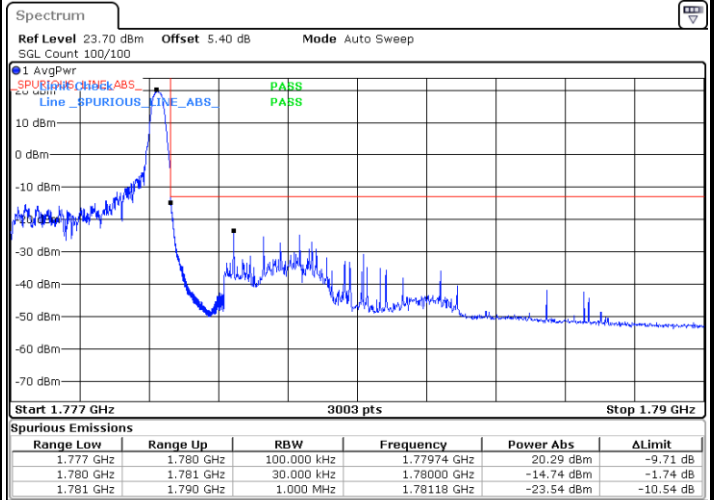
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



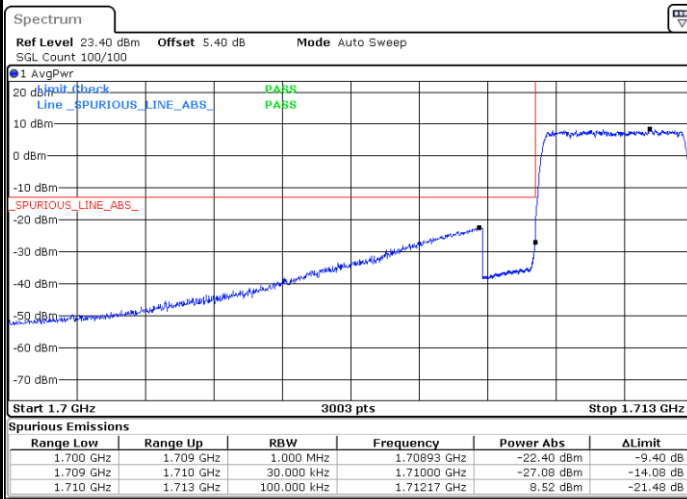
Date: 25 JUN 2021 03:51:26

Highest Band Edge / 1 RB



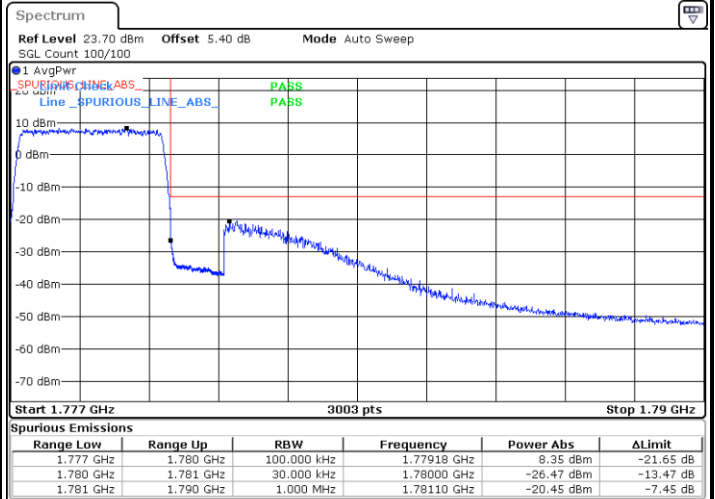
Date: 25 JUN 2021 03:58:11

Lowest Band Edge / Full RB



Date: 25 JUN 2021 03:53:54

Highest Band Edge / Full RB

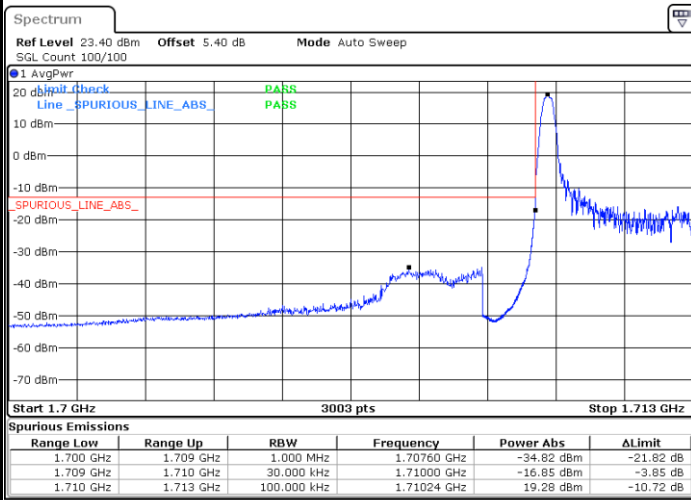


Date: 25 JUN 2021 03:56:09



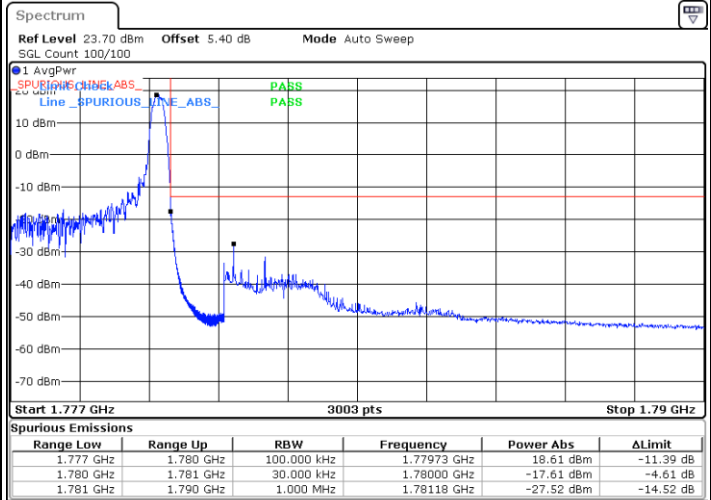
LTE Band 66 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



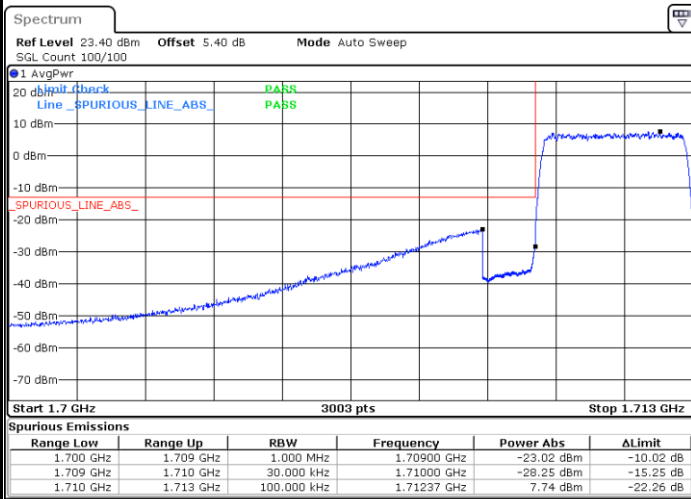
Date: 25 JUN 2021 03:52:07

Highest Band Edge / 1 RB



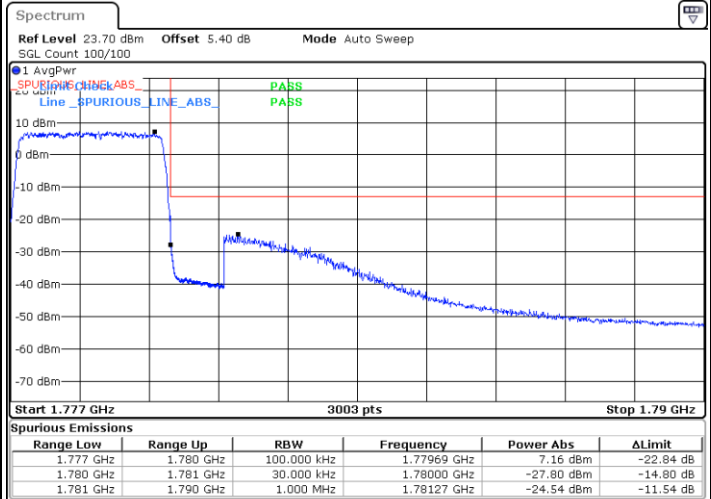
Date: 25 JUN 2021 03:57:35

Lowest Band Edge / Full RB



Date: 25 JUN 2021 03:53:00

Highest Band Edge / Full RB

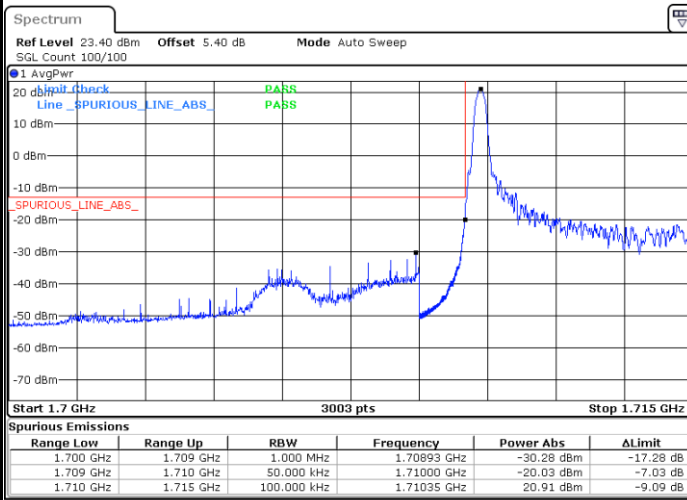


Date: 25 JUN 2021 03:56:56



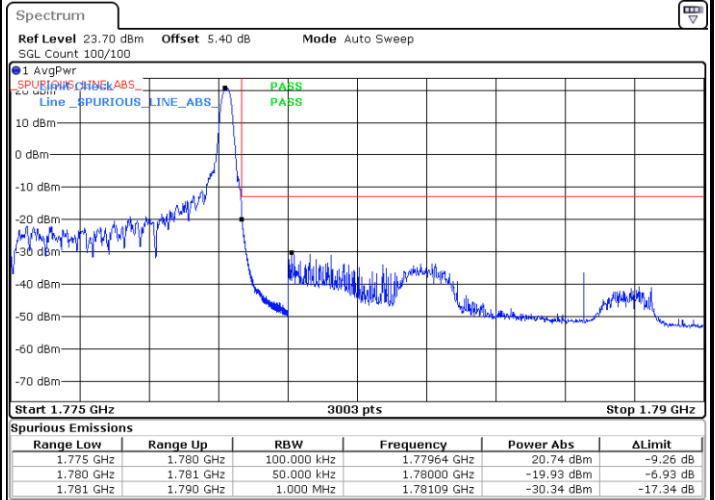
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



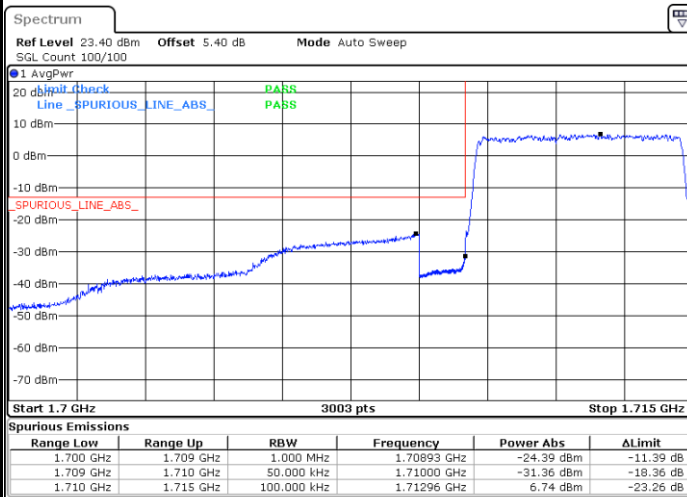
Date: 25 JUN 2021 04:02:29

Highest Band Edge / 1 RB



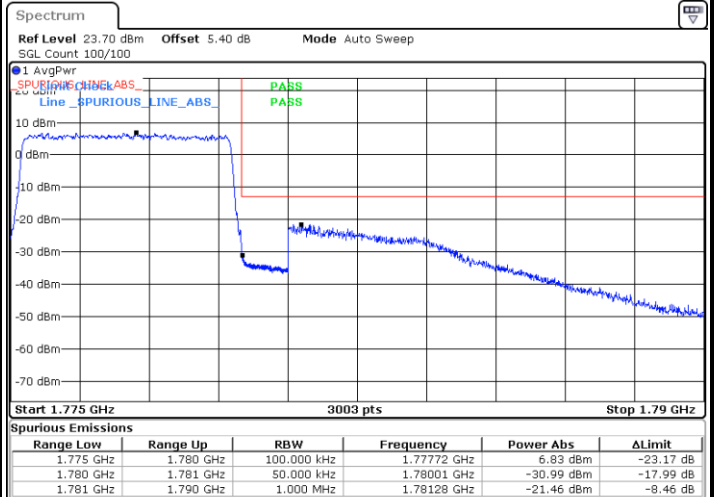
Date: 25 JUN 2021 04:07:33

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:05:08

Highest Band Edge / Full RB

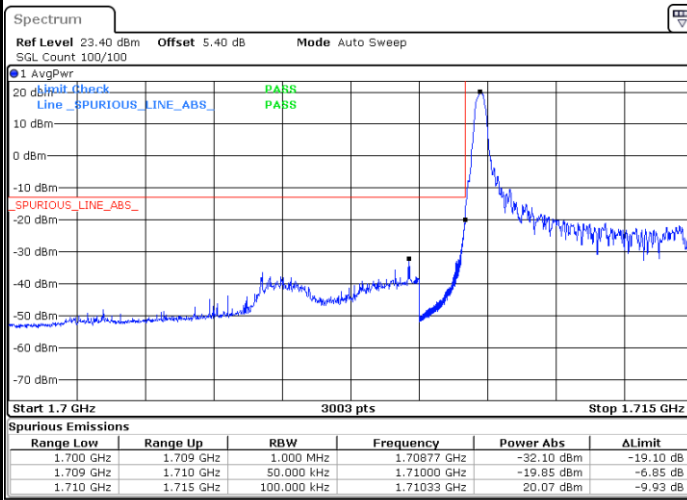


Date: 25 JUN 2021 04:05:32



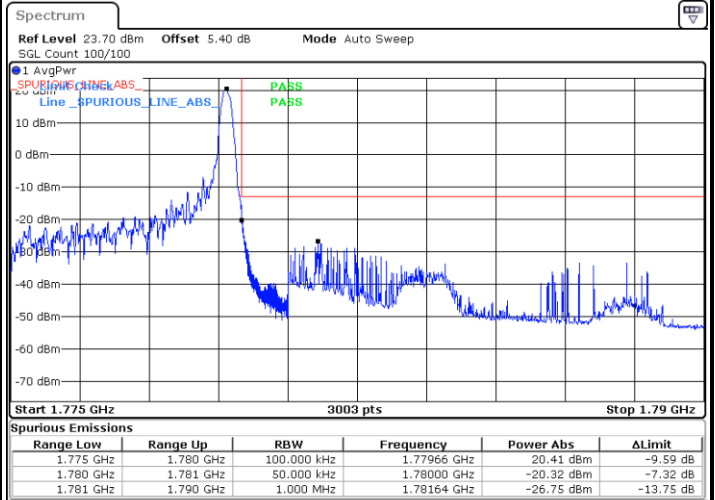
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



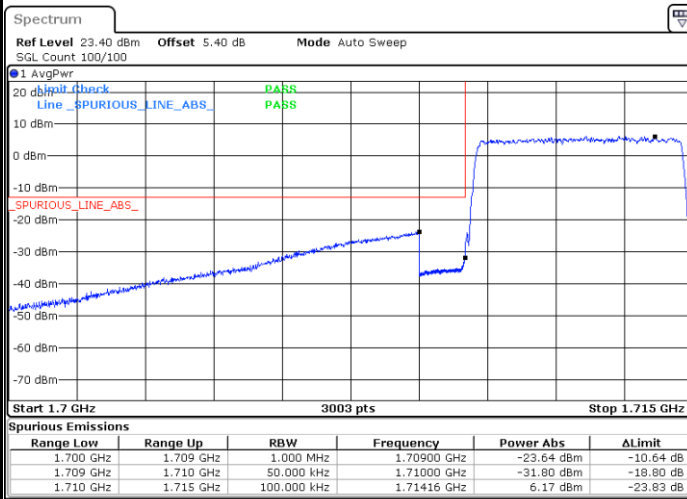
Date: 25 JUN 2021 04:03:01

Highest Band Edge / 1 RB



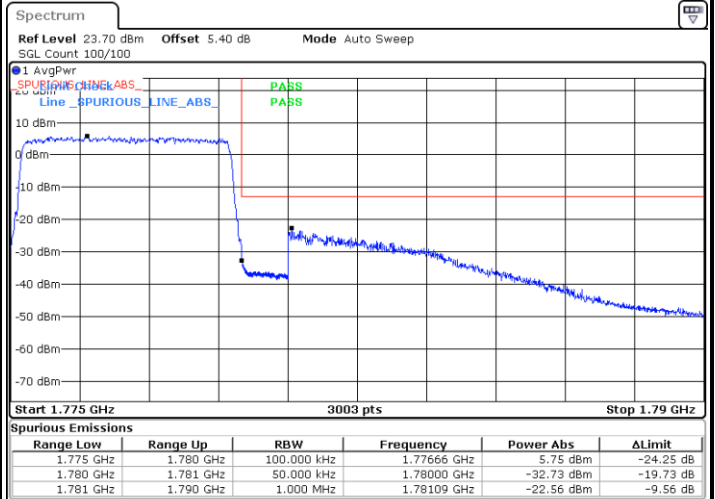
Date: 25 JUN 2021 04:07:12

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:04:35

Highest Band Edge / Full RB

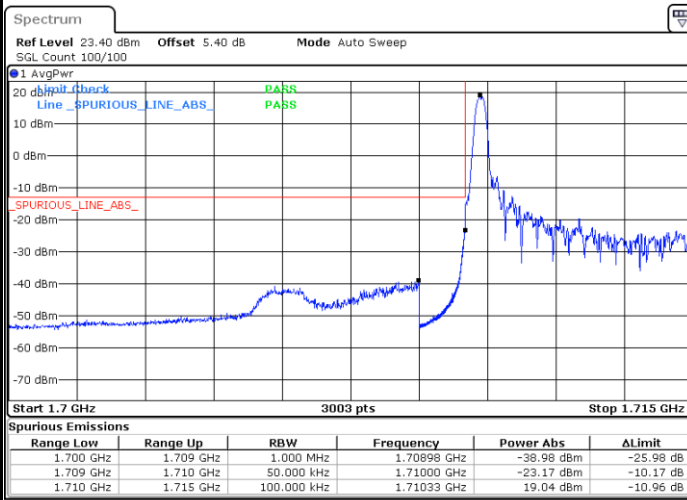


Date: 25 JUN 2021 04:05:52



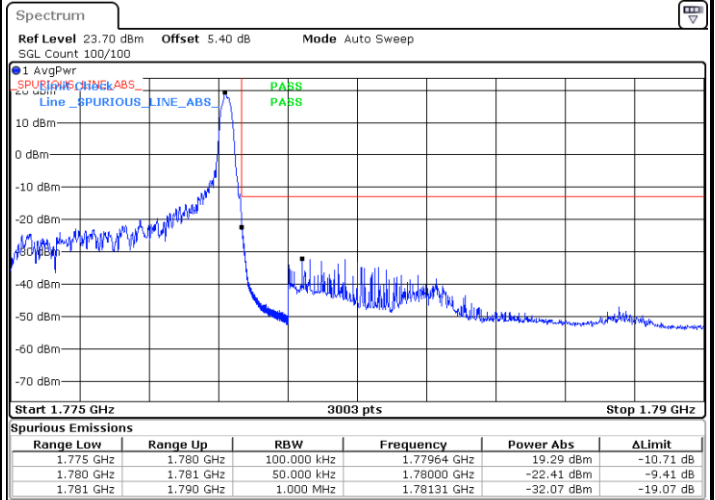
LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1RB



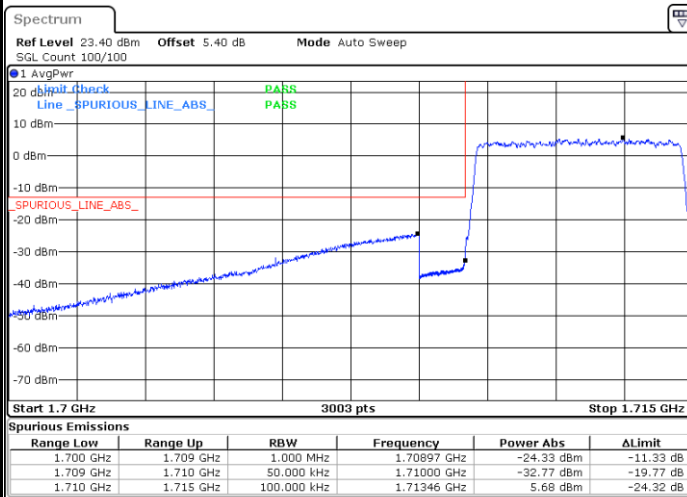
Date: 25 JUN 2021 04:03:51

Highest Band Edge / 1 RB



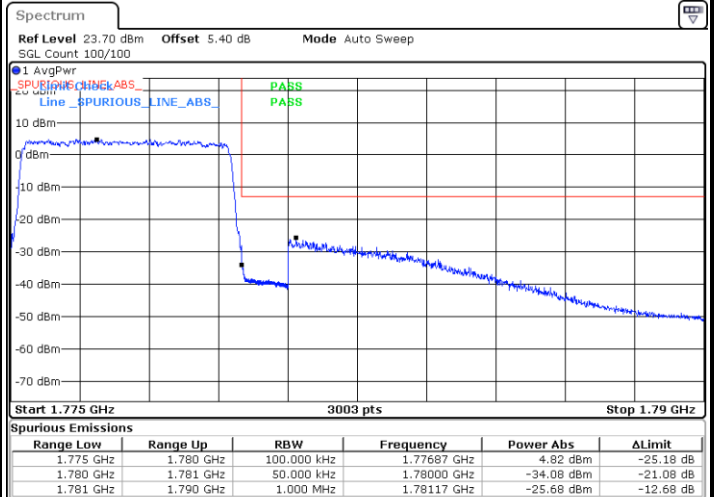
Date: 25 JUN 2021 04:06:52

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:04:14

Highest Band Edge / Full RB

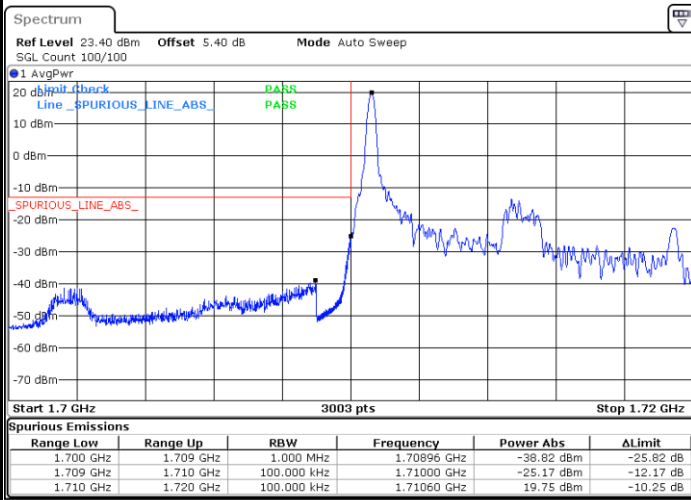


Date: 25 JUN 2021 04:06:13



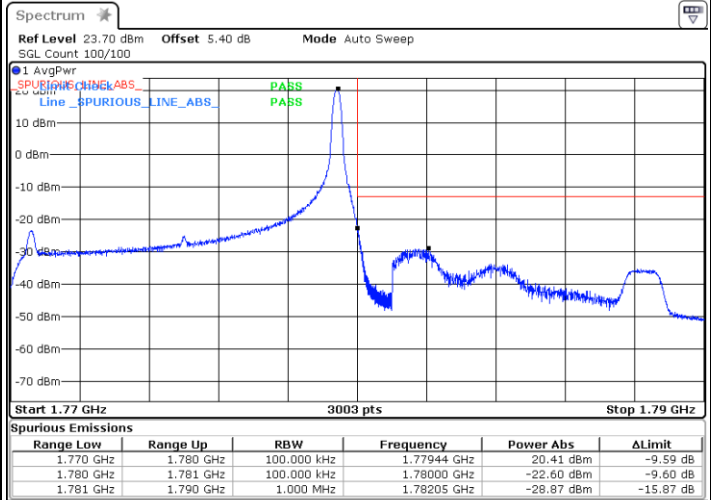
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



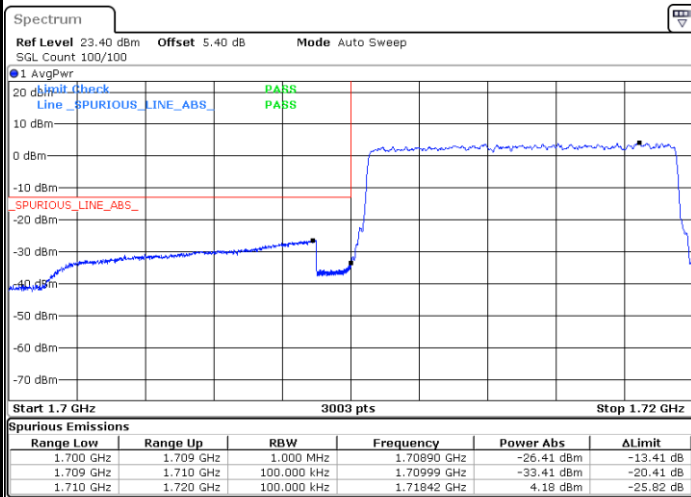
Date: 25 JUN 2021 04:20:54

Highest Band Edge / 1 RB



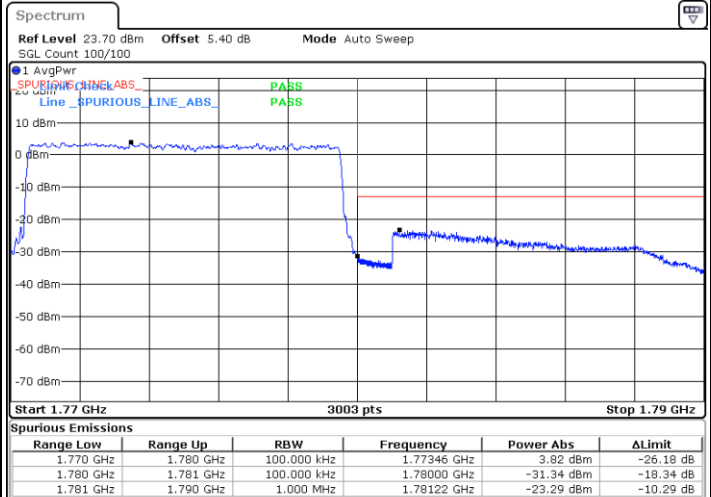
Date: 25 JUN 2021 04:24:49

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:22:12

Highest Band Edge / Full RB

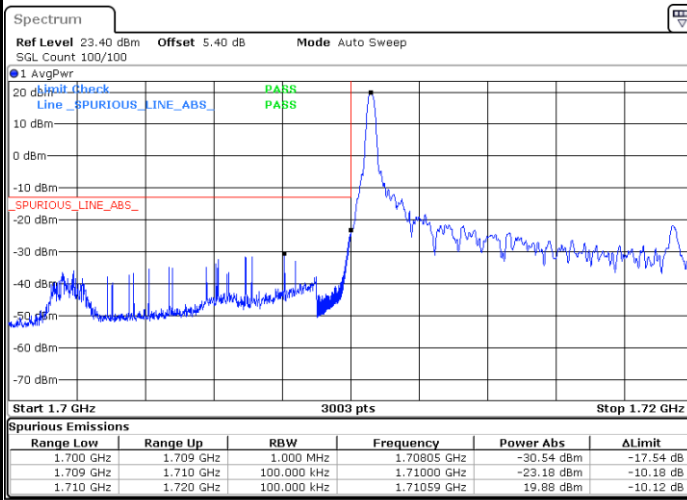


Date: 25 JUN 2021 04:22:27



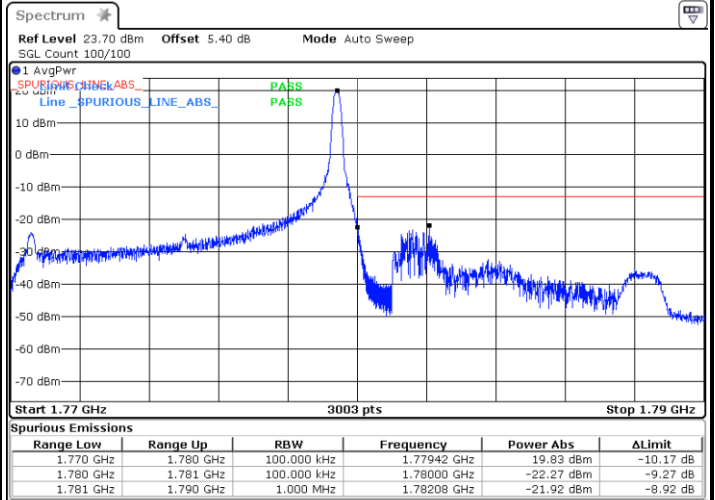
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



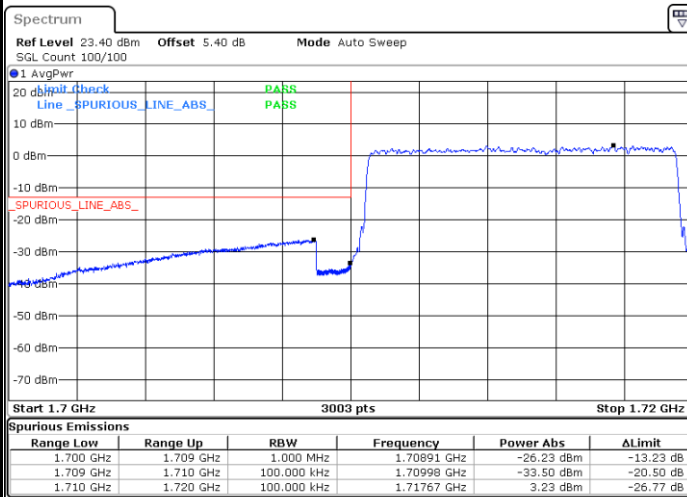
Date: 25 JUN 2021 04:21:11

Highest Band Edge / 1 RB



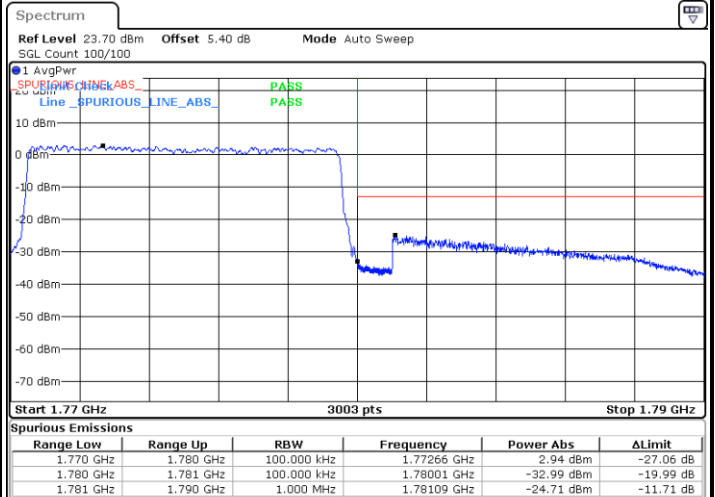
Date: 25 JUN 2021 04:25:25

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:21:58

Highest Band Edge / Full RB

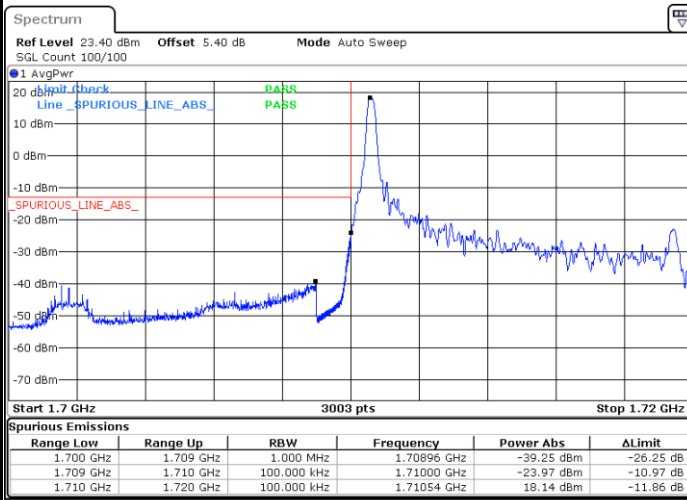


Date: 25 JUN 2021 04:22:41



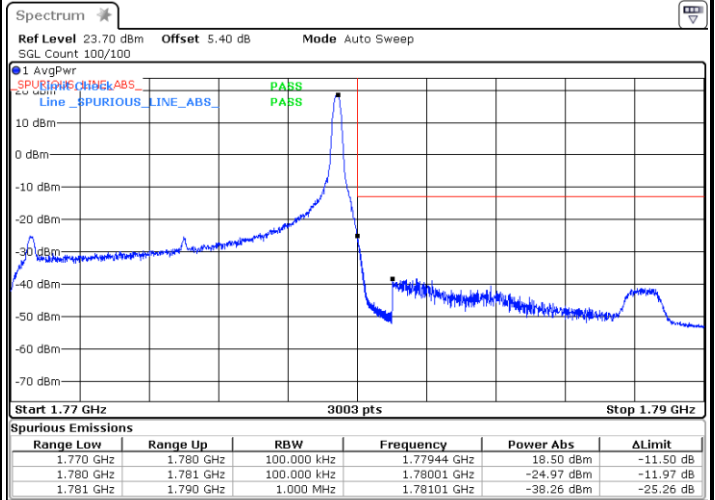
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



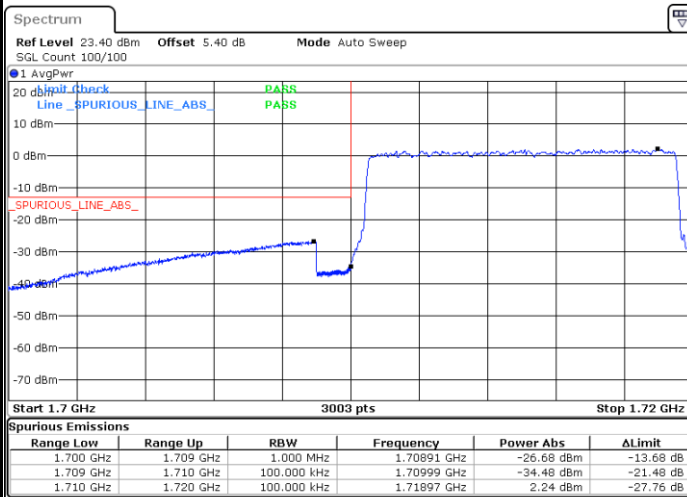
Date: 25 JUN 2021 04:21:28

Highest Band Edge / 1 RB



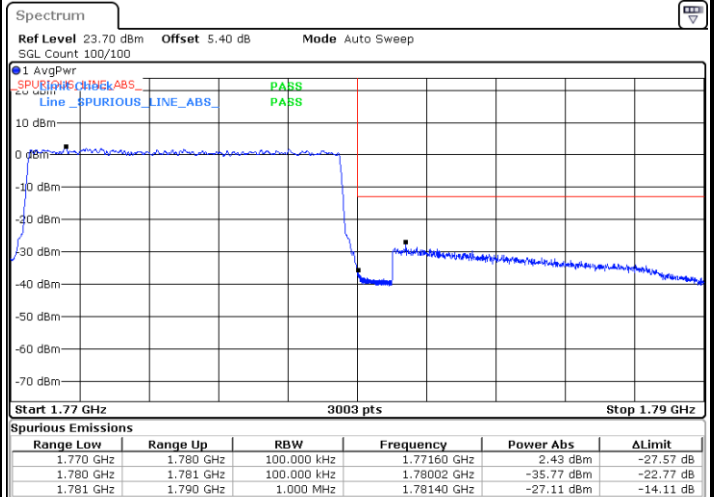
Date: 25 JUN 2021 04:26:05

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:21:44

Highest Band Edge / Full RB

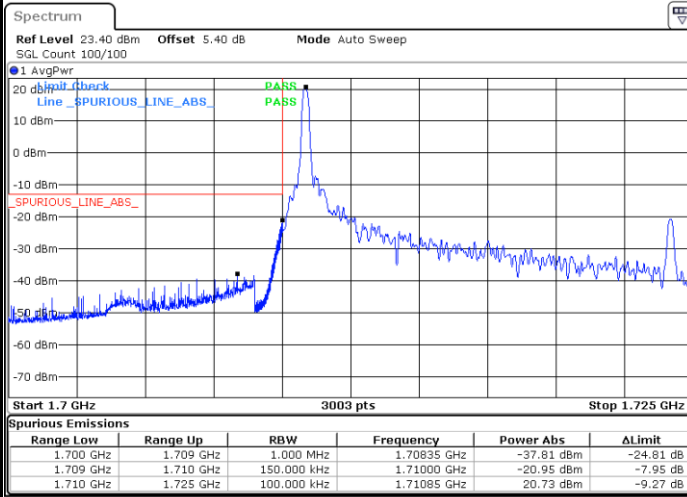


Date: 25 JUN 2021 04:22:55



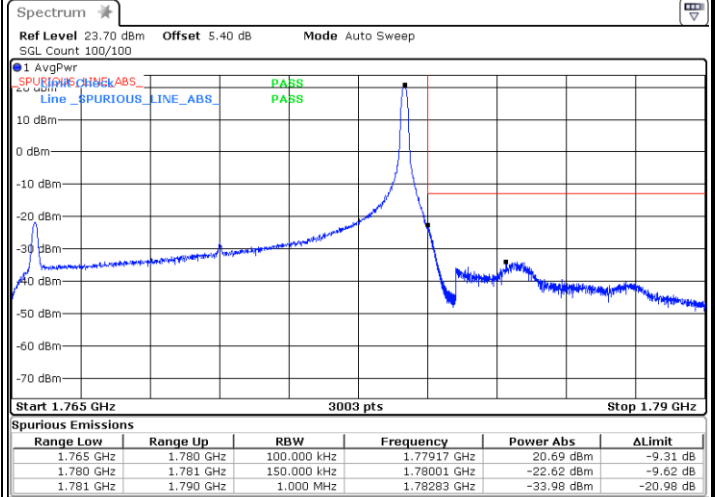
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



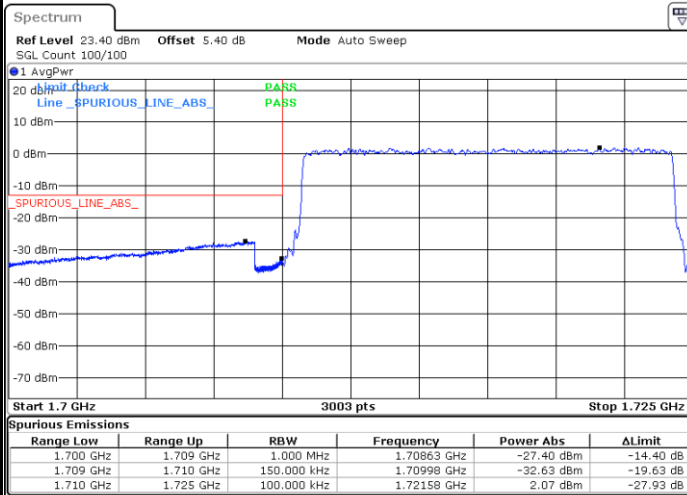
Date: 25 JUN 2021 04:30:28

Highest Band Edge / 1 RB



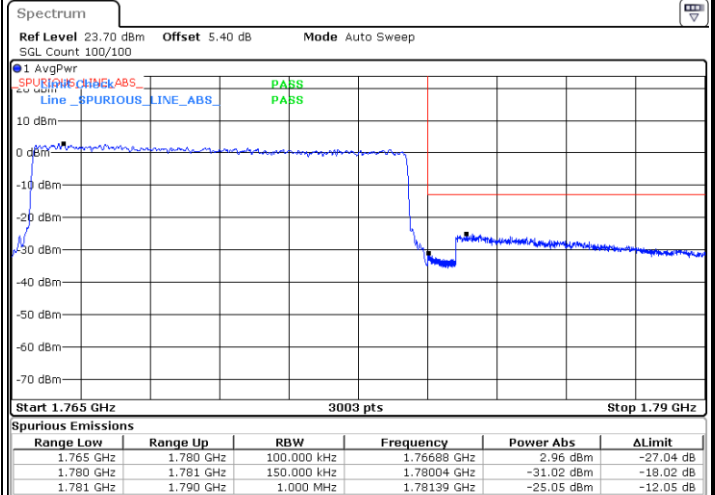
Date: 25 JUN 2021 04:34:54

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:32:04

Highest Band Edge / Full RB

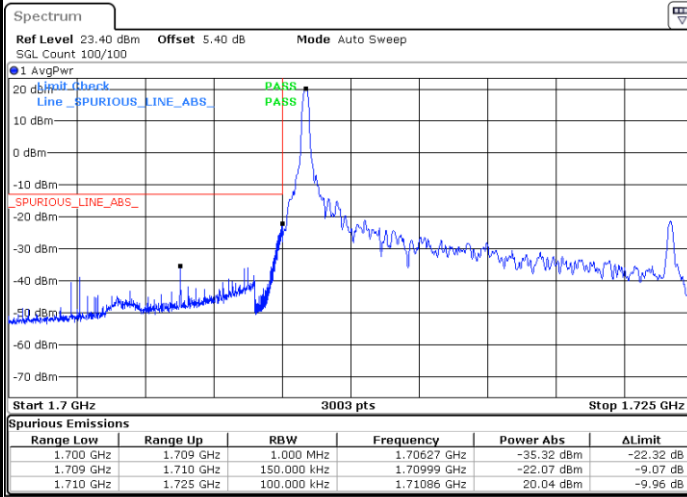


Date: 25 JUN 2021 04:32:22



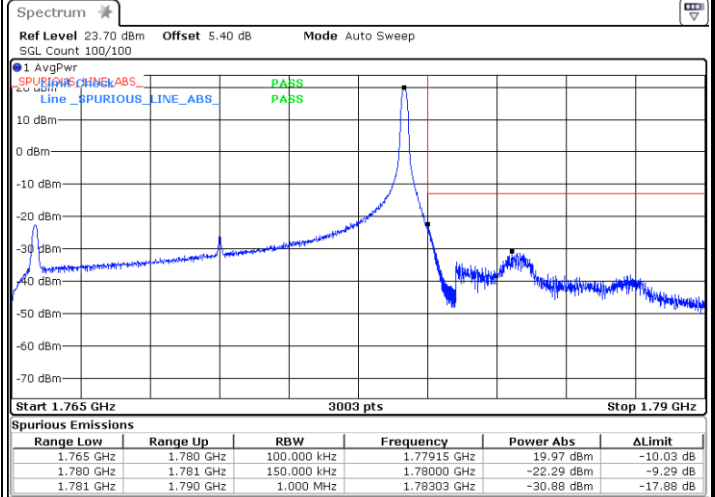
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



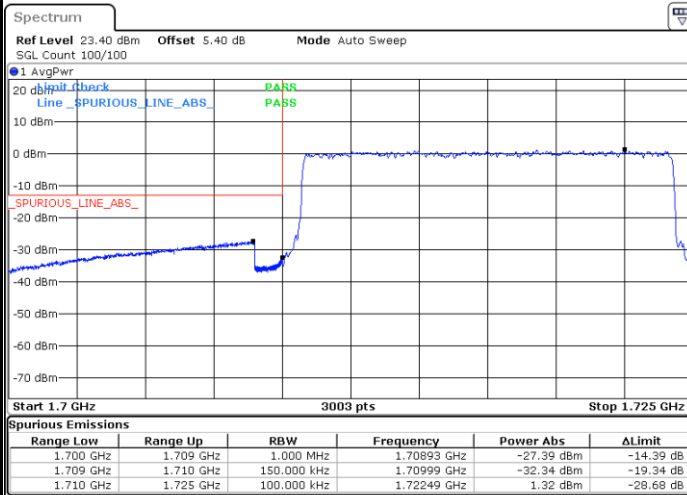
Date: 25 JUN 2021 04:30:53

Highest Band Edge / 1 RB



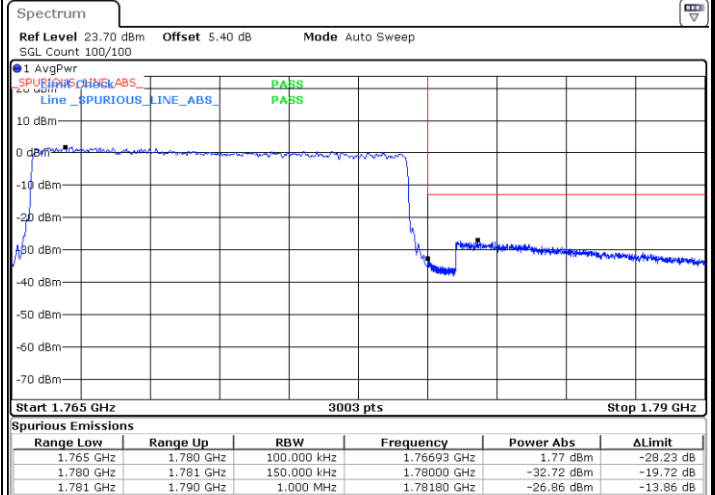
Date: 25 JUN 2021 04:35:35

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:31:47

Highest Band Edge / Full RB

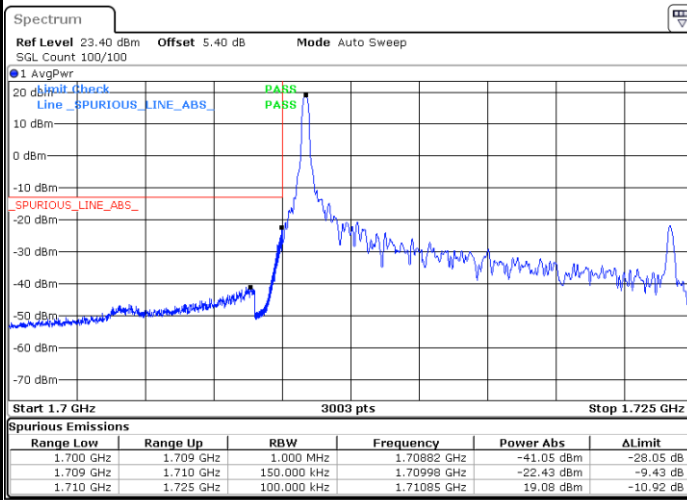


Date: 25 JUN 2021 04:32:35



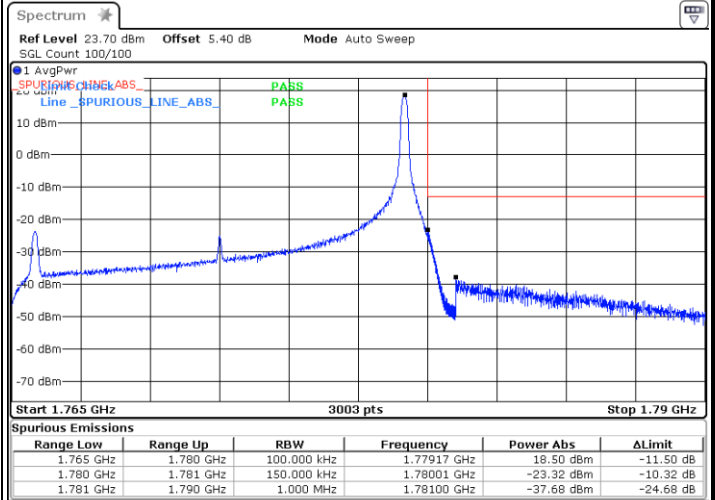
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



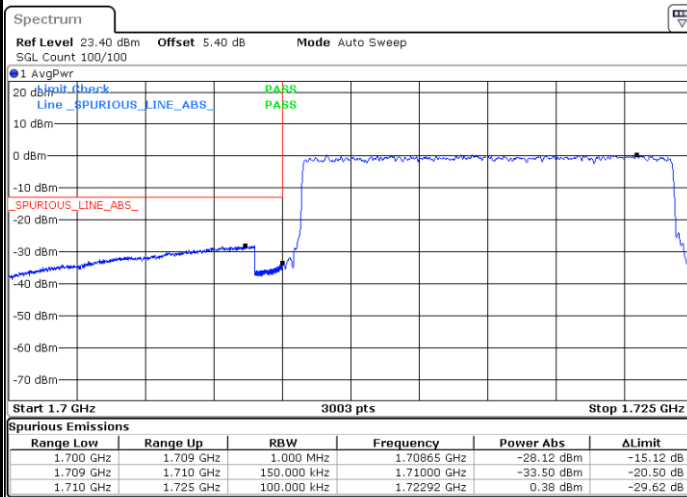
Date: 25 JUN 2021 04:31:07

Highest Band Edge / 1 RB



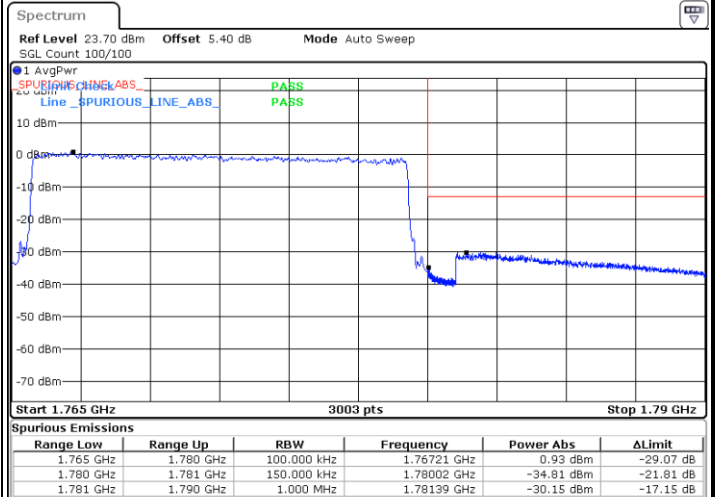
Date: 25 JUN 2021 04:36:28

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:31:34

Highest Band Edge / Full RB

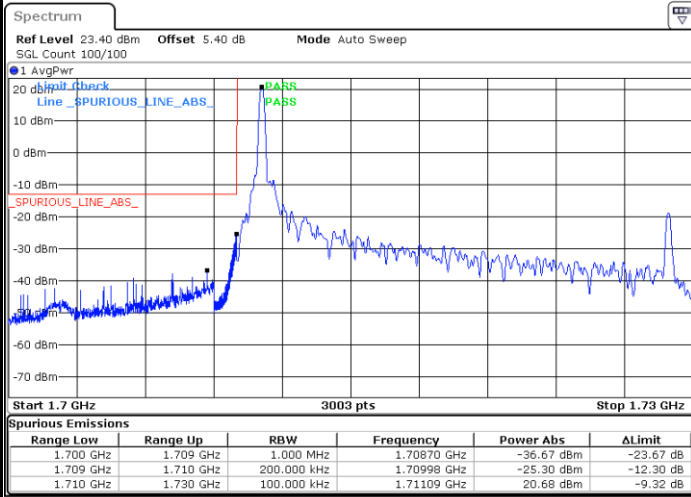


Date: 25 JUN 2021 04:32:49



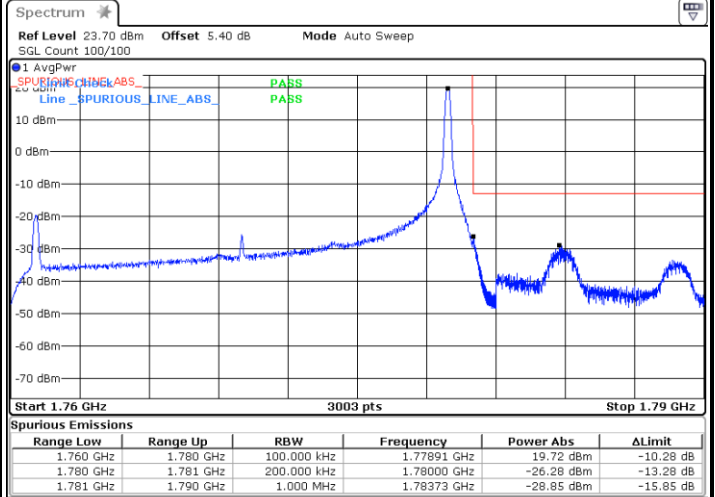
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



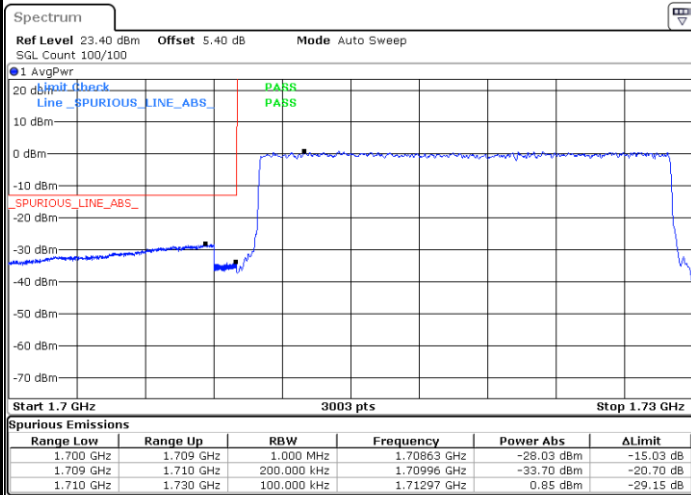
Date: 25 JUN 2021 04:41:39

Highest Band Edge / 1 RB



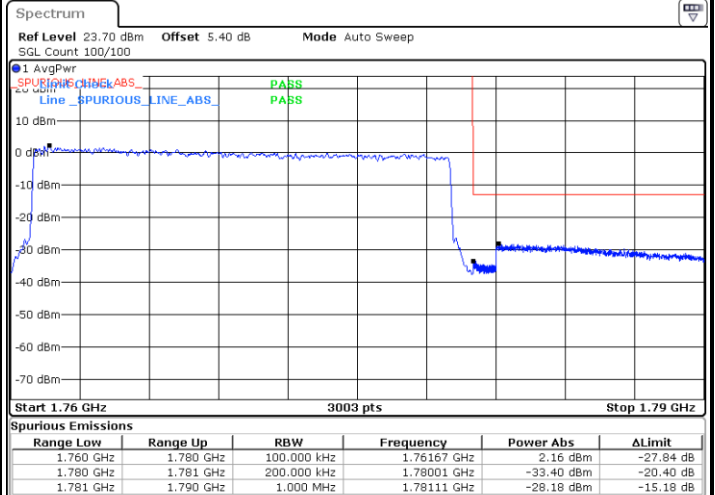
Date: 25 JUN 2021 04:47:35

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:43:54

Highest Band Edge / Full RB

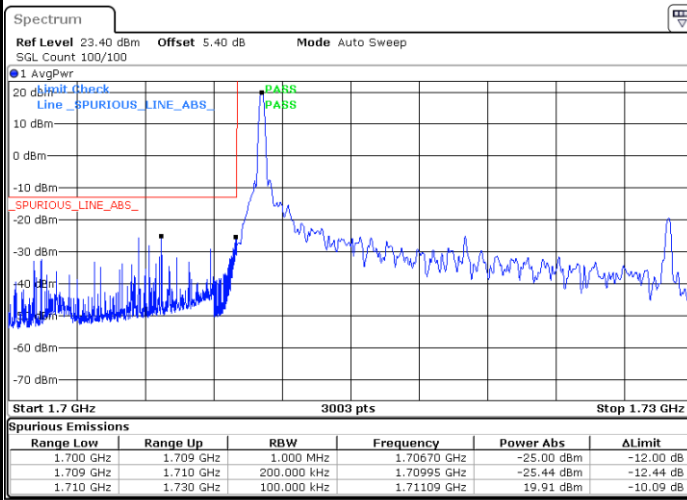


Date: 25 JUN 2021 04:44:51



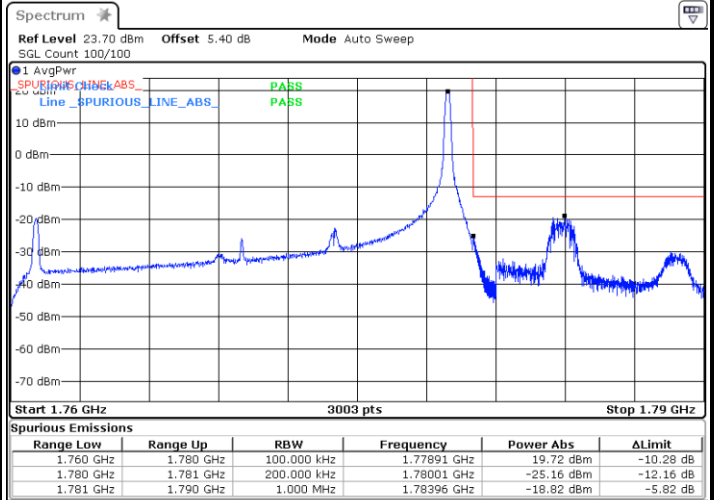
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



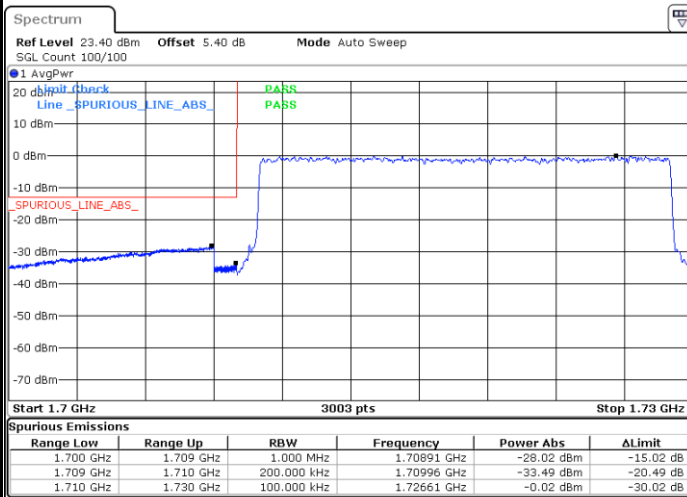
Date: 25 JUN 2021 04:41:52

Highest Band Edge / 1 RB



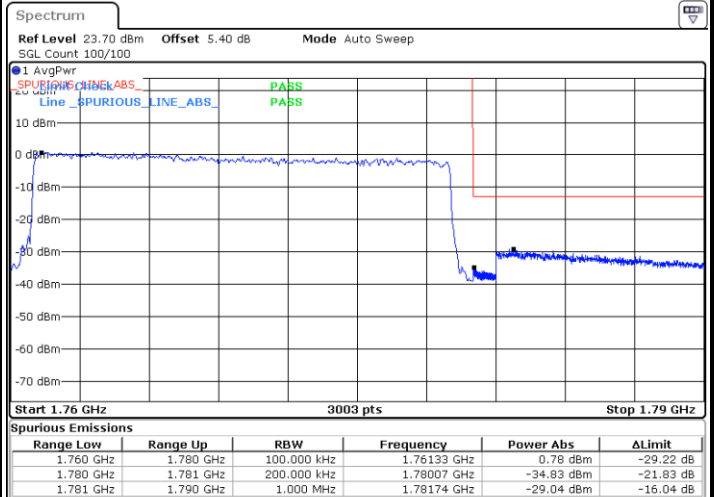
Date: 25 JUN 2021 04:46:55

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:43:40

Highest Band Edge / Full RB

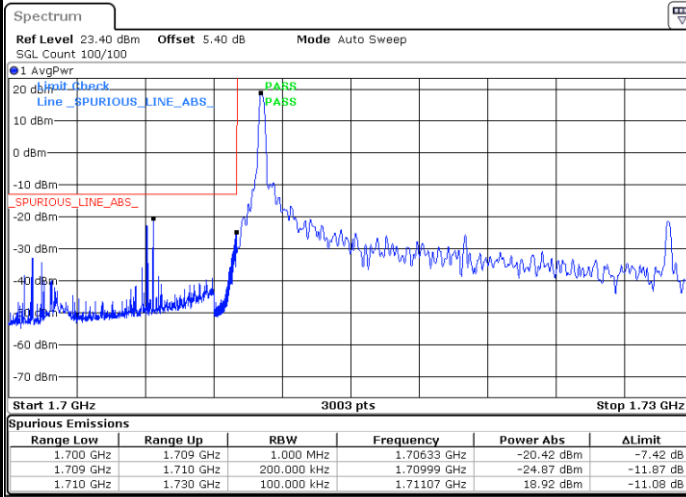


Date: 25 JUN 2021 04:45:07



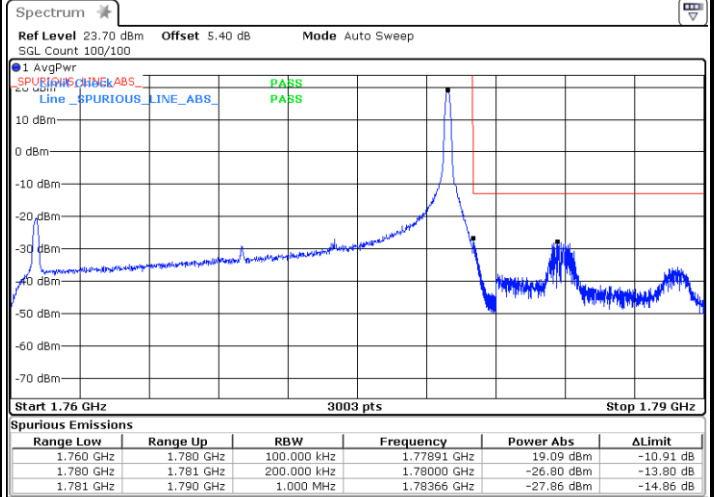
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



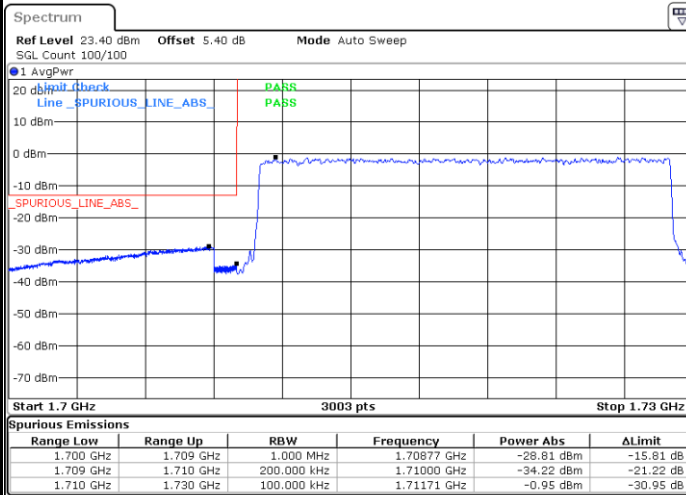
Date: 25 JUN 2021 04:42:10

Highest Band Edge / 1 RB



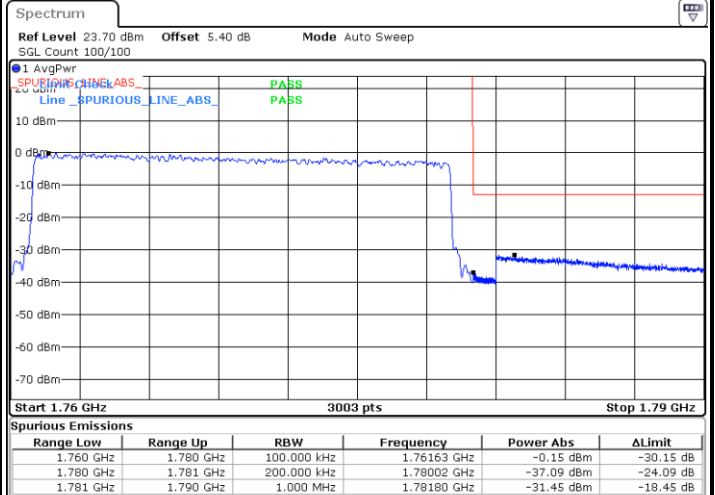
Date: 25 JUN 2021 04:46:15

Lowest Band Edge / Full RB



Date: 25 JUN 2021 04:43:28

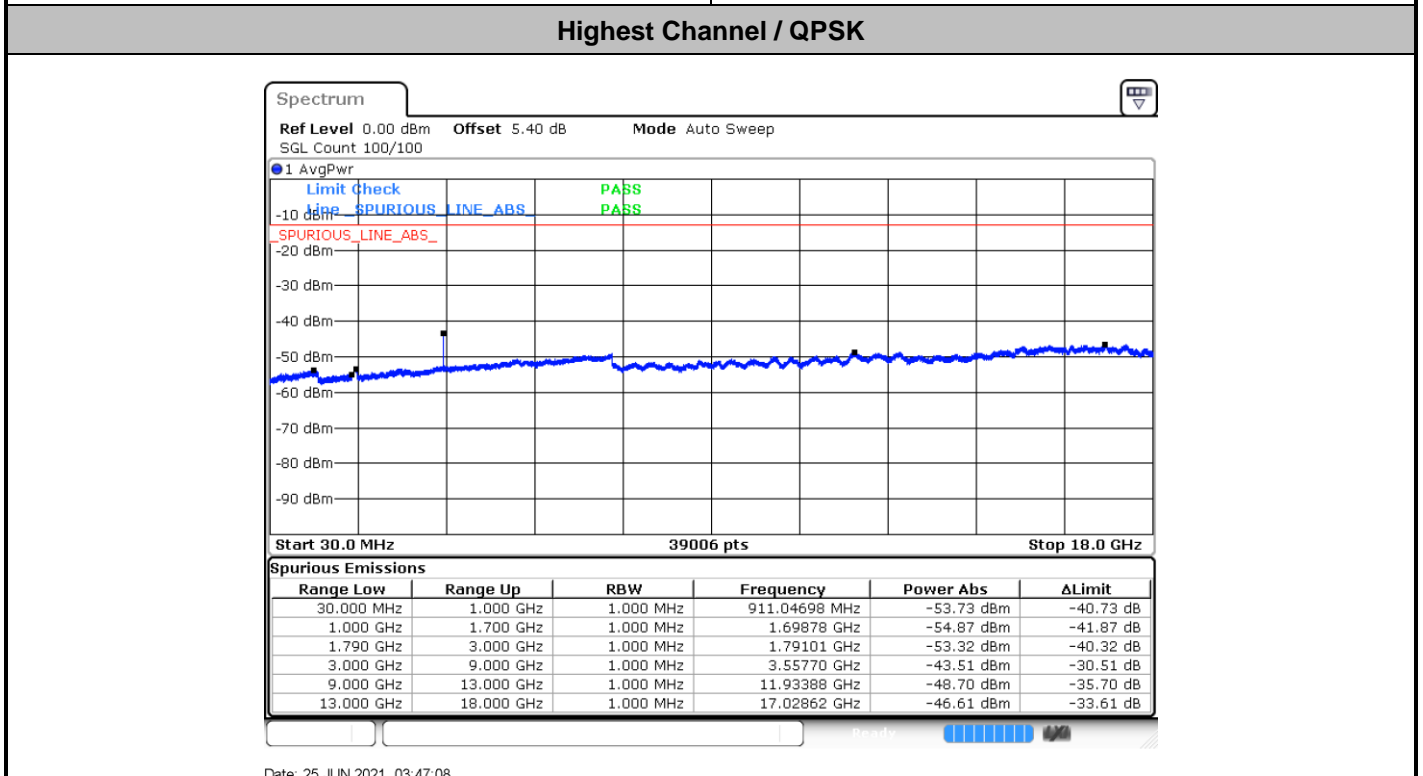
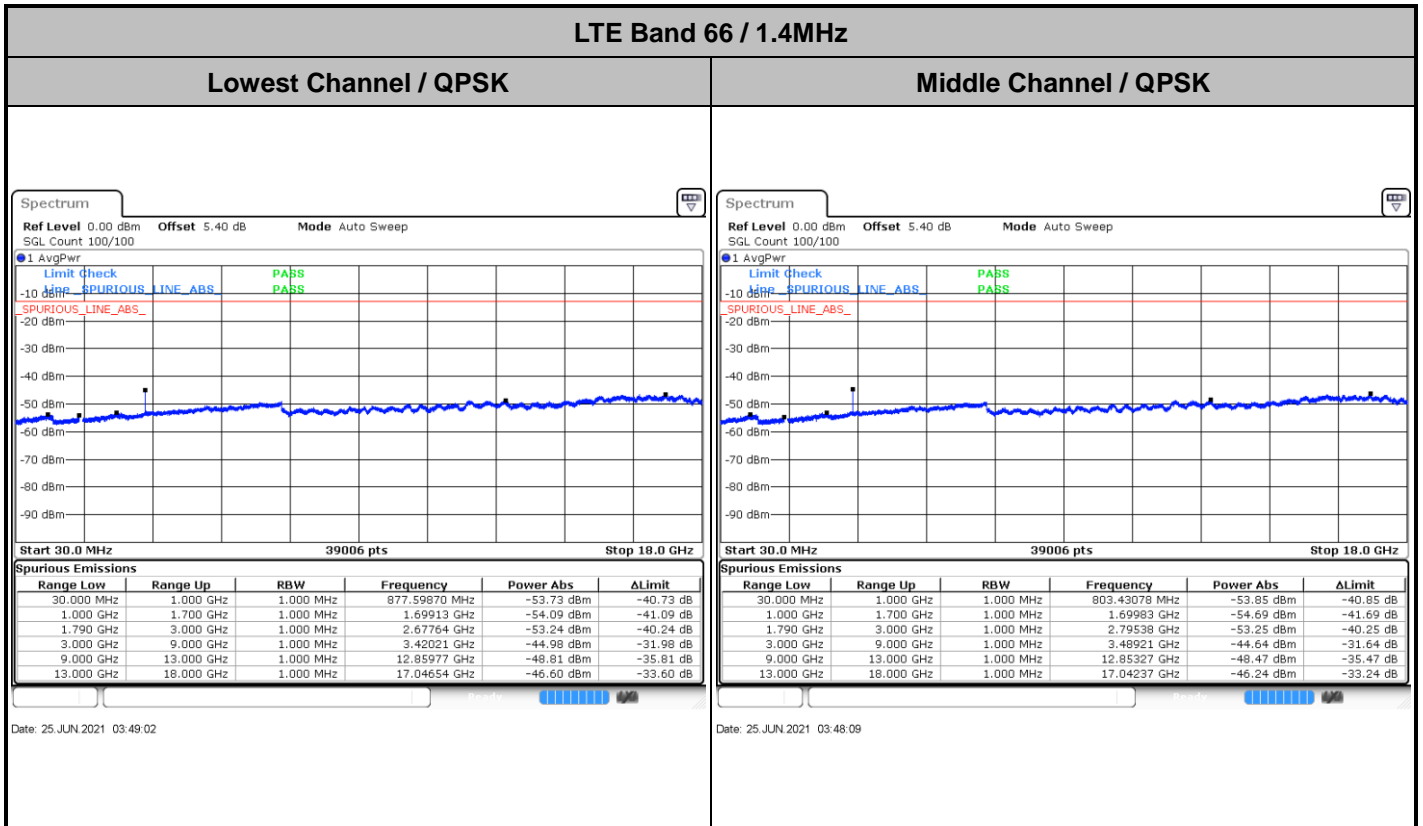
Highest Band Edge / Full RB



Date: 25 JUN 2021 04:45:19



Conducted Spurious Emission

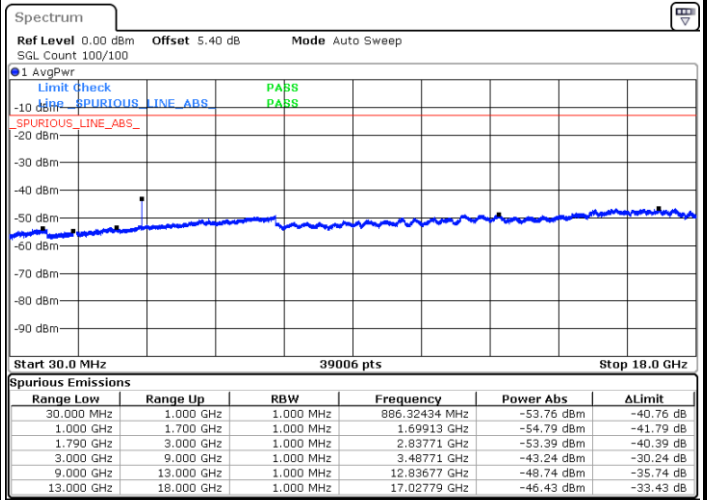
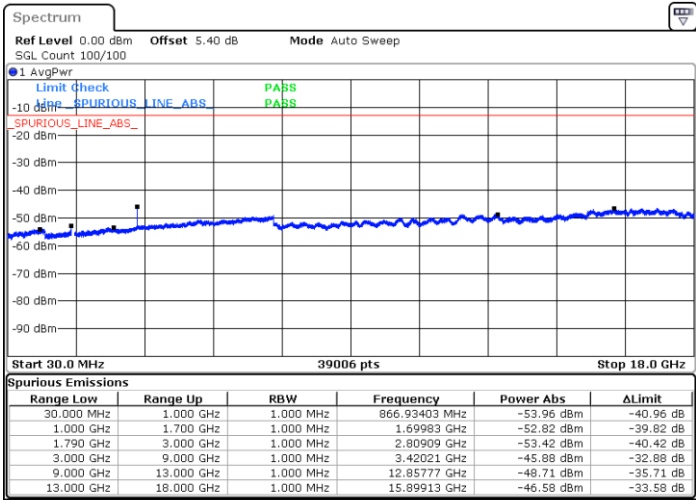




LTE Band 66 / 3MHz

Lowest Channel / QPSK

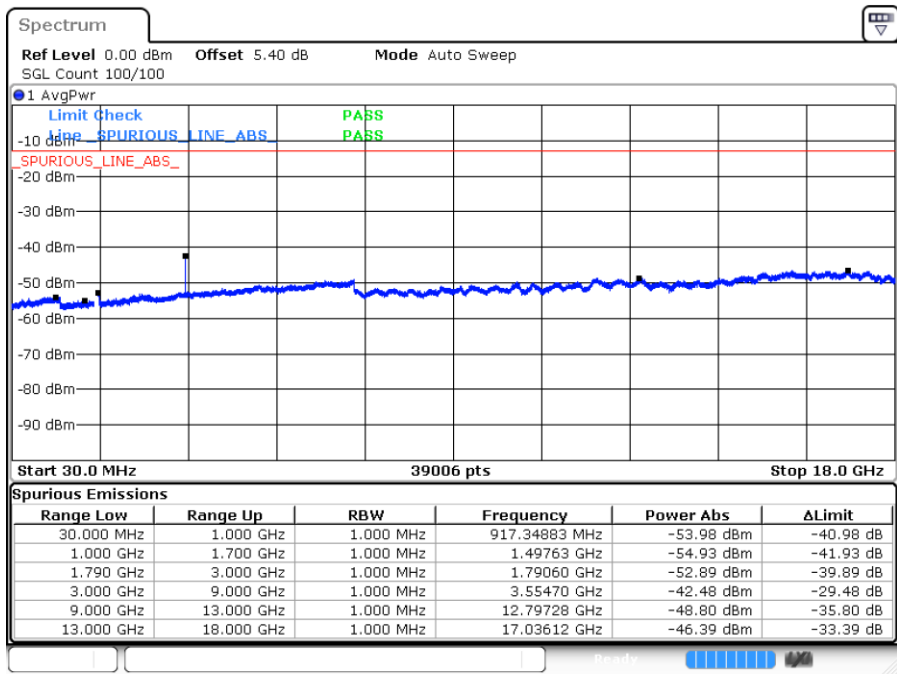
Middle Channel / QPSK



Date: 25 JUN 2021 04:01:42

Date: 25 JUN 2021 04:00:43

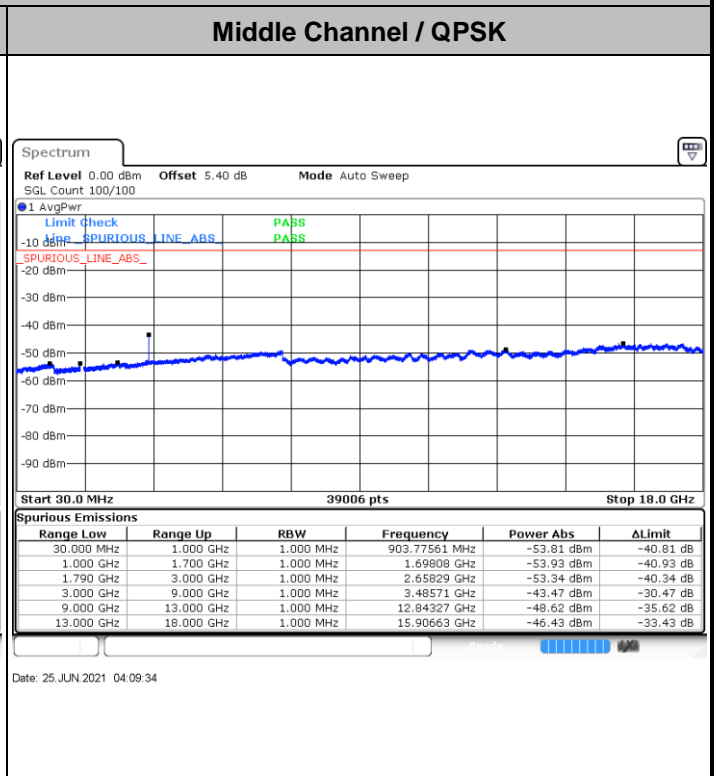
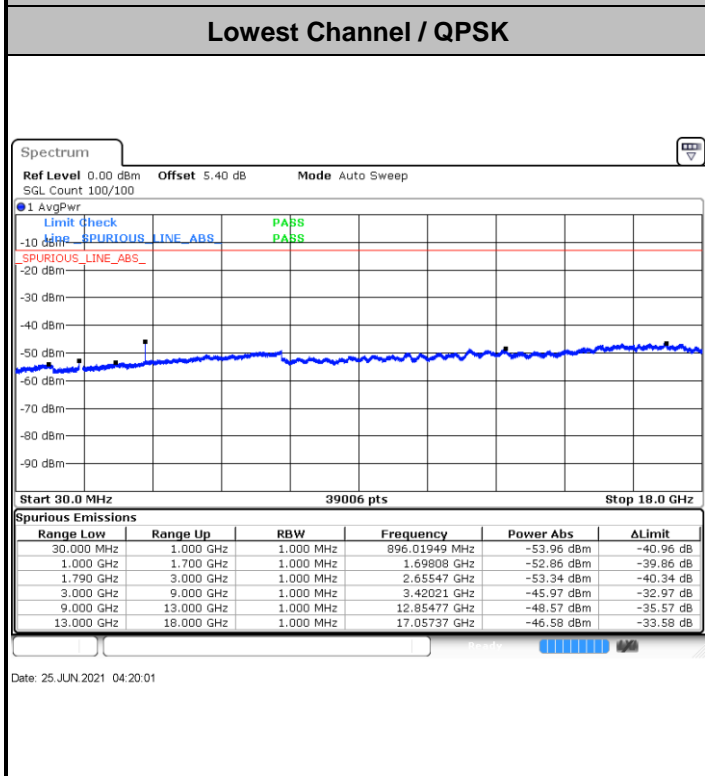
Highest Channel / QPSK



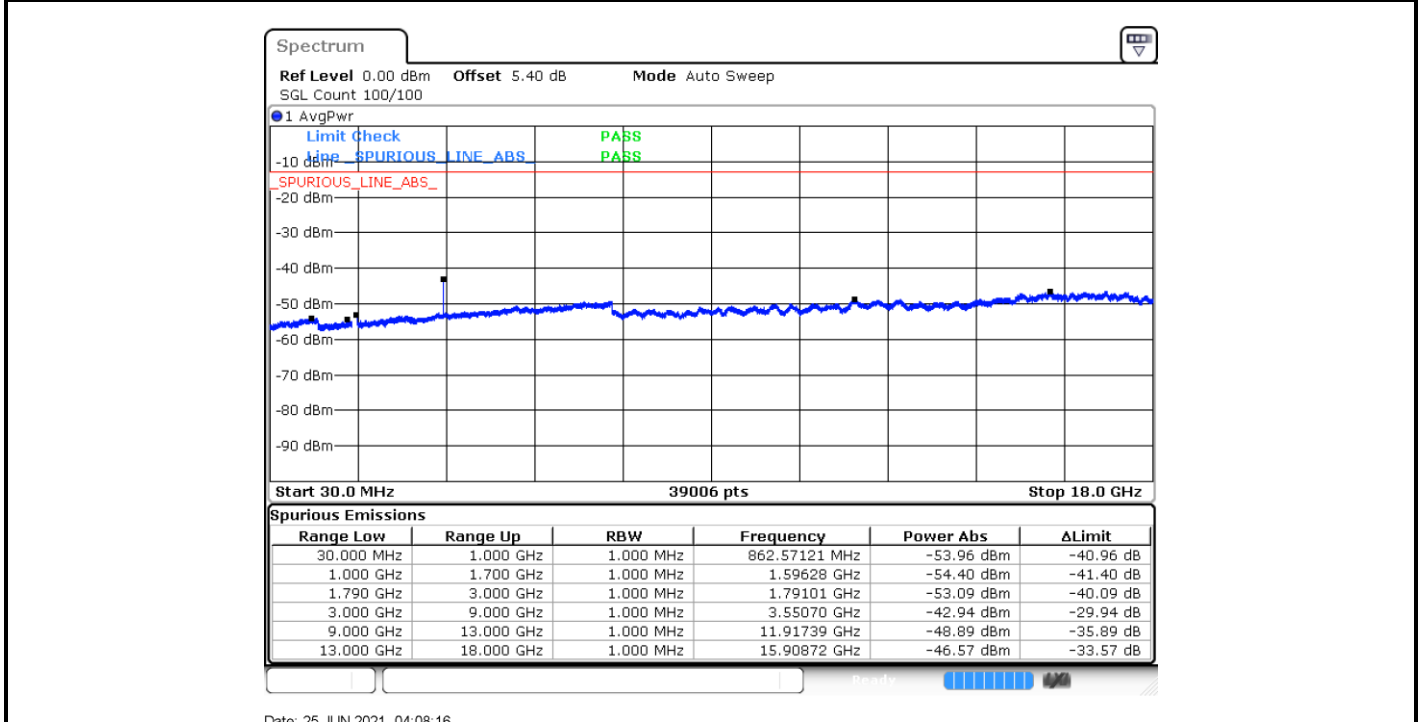
Date: 25 JUN 2021 03:59:33



LTE Band 66 / 5MHz



Highest Channel / QPSK

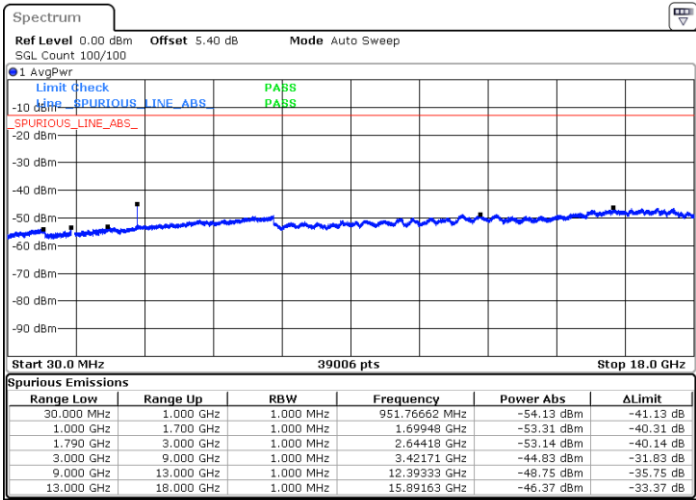




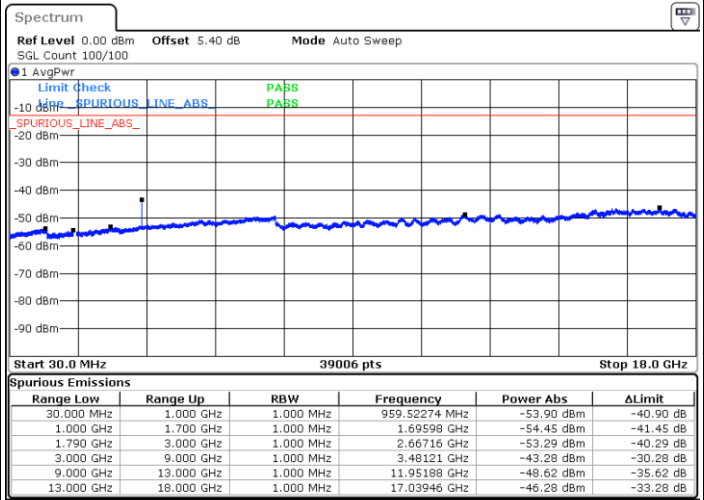
LTE Band 66 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

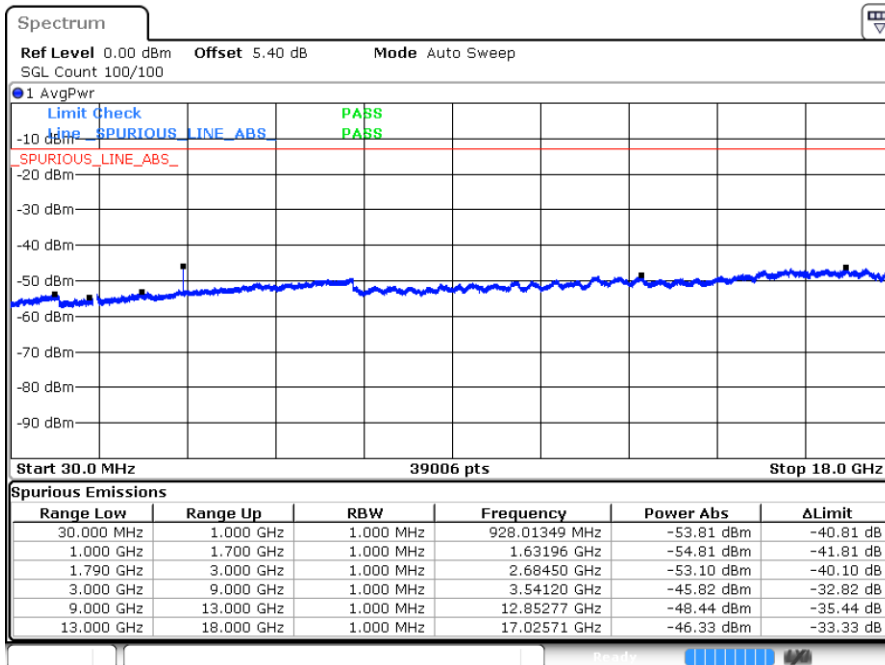


Date: 25 JUN 2021 04:29:18



Date: 25 JUN 2021 04:28:34

Highest Channel / QPSK



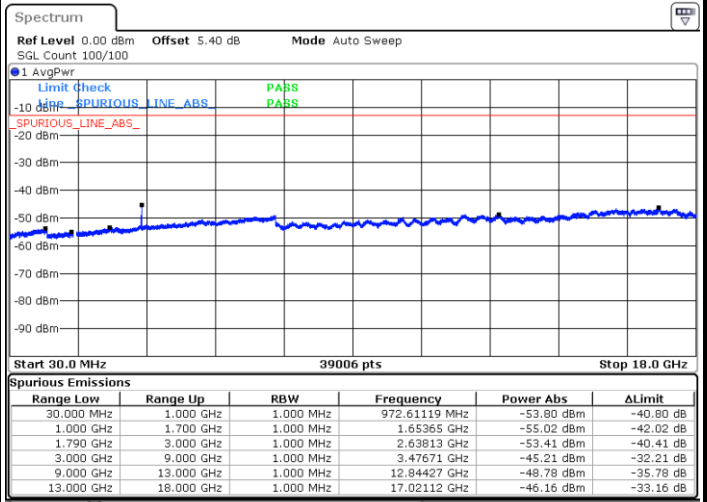
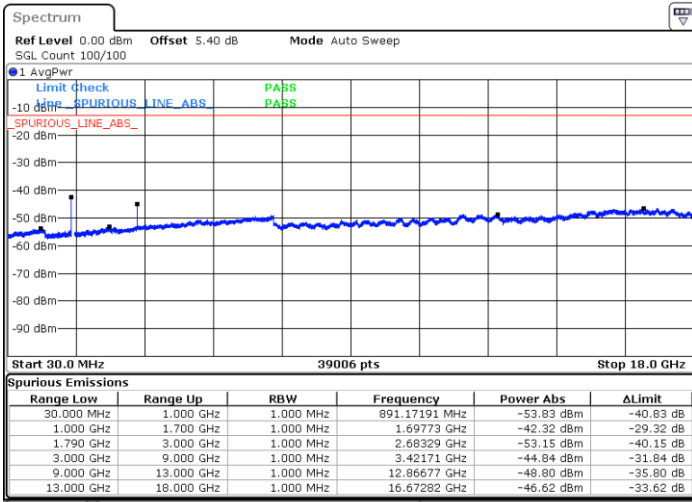
Date: 25 JUN 2021 04:26:54



LTE Band 66 / 15MHz

Lowest Channel / QPSK

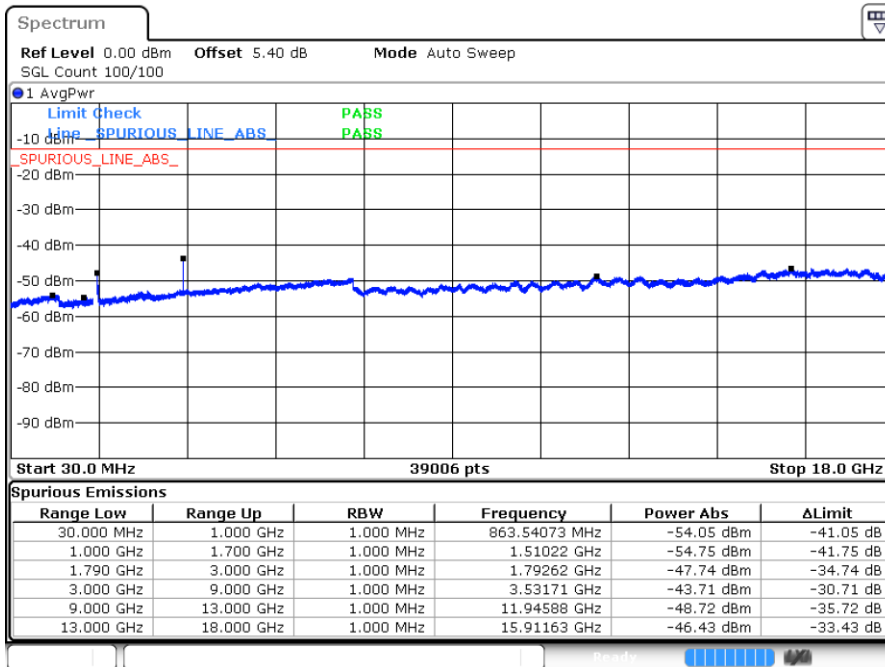
Middle Channel / QPSK



Date: 25 JUN 2021 04:40:49

Date: 25 JUN 2021 04:40:08

Highest Channel / QPSK

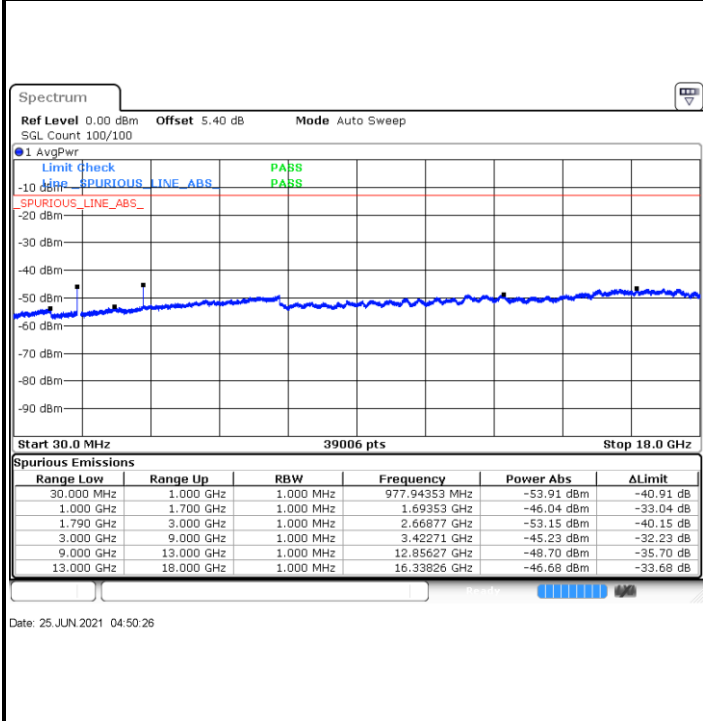


Date: 25 JUN 2021 04:39:05

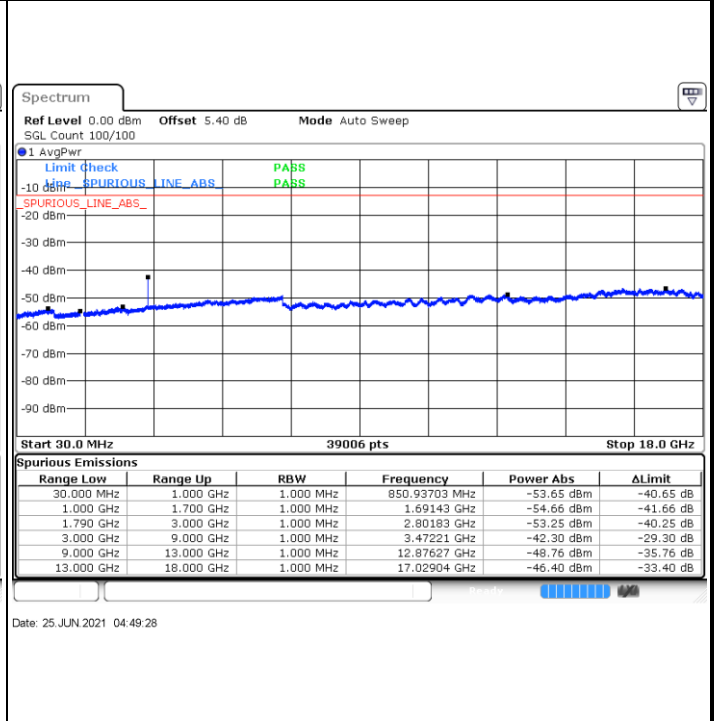


LTE Band 66 / 20MHz

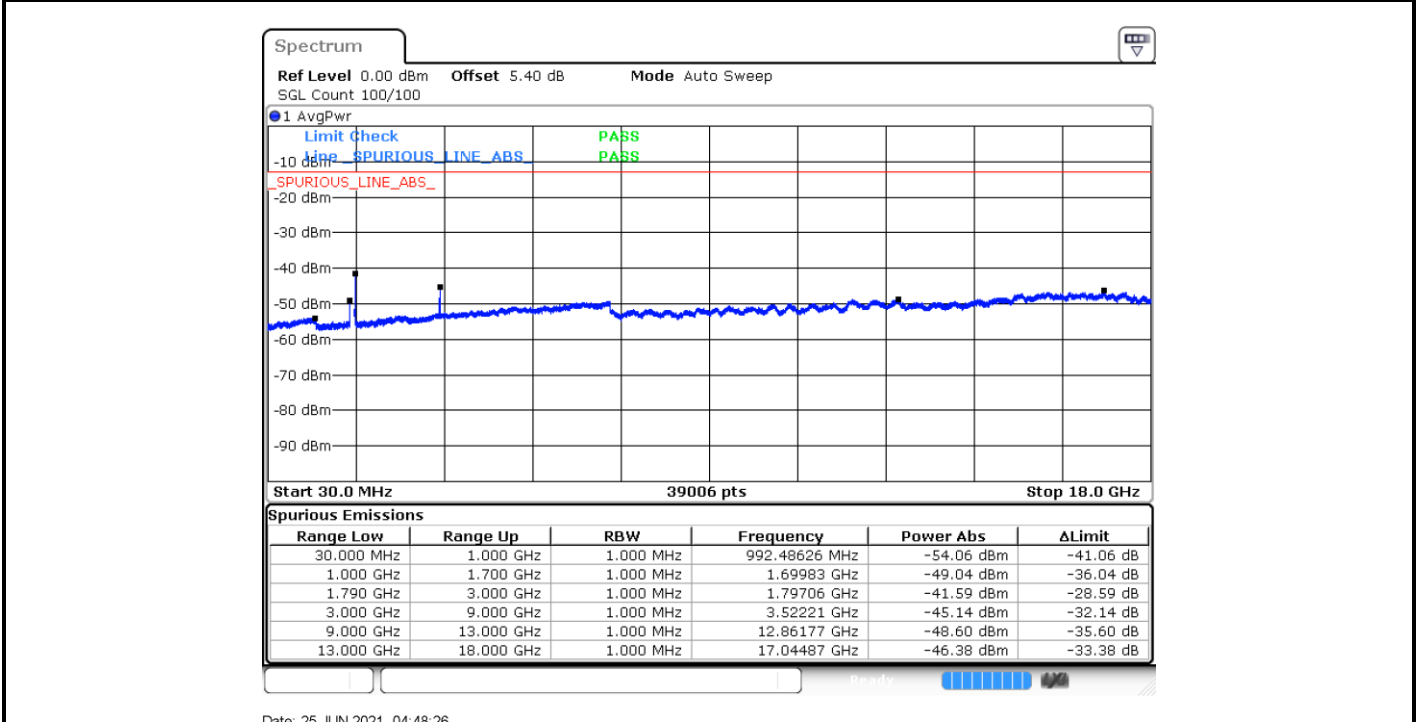
Lowest Channel / QPSK



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 | 0.0022 | PASS |
| 40 | Normal Voltage | 0.0024 | |
| 30 | Normal Voltage | 0.0004 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0010 | |
| 0 | Normal Voltage | 0.0018 | |
| -10 | Normal Voltage | 0.0006 | |
| -20 | Normal Voltage | 0.0020 | |
| -30 | Normal Voltage | 0.0021 | |
| 20 | Maximum Voltage | 0.0021 | |
| 20 | Normal Voltage | 0.0026 | |
| 20 | Battery End Point | 0.0008 | |

Note:

1. Normal Voltage =3.8 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

| LTE Band 2 / 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 | 3741 | -54.93 | -13 | -41.93 | -67.19 | 2.64 | 14.90 | H |
| | 5613 | -54.02 | -13 | -41.02 | -65.88 | 2.94 | 14.80 | H |
| | 7488 | -52.45 | -13 | -39.45 | -62.22 | 3.39 | 13.16 | H |
| | 3741 | -55.17 | -13 | -42.17 | -67.43 | 2.64 | 14.90 | V |
| | 5613 | -55.91 | -13 | -42.91 | -67.77 | 2.94 | 14.80 | V |
| | 7488 | -52.45 | -13 | -39.45 | -62.22 | 3.39 | 13.16 | V |

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

| LTE Band 5 / 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) |
| Middle | 1664 | -58.45 | -13 | -45.45 | -65.42 | 1.58 | 10.70 | H |
| | 2496 | -60.85 | -13 | -47.85 | -69.10 | 2.10 | 12.50 | H |
| | 3330 | -56.08 | -13 | -43.08 | -64.97 | 2.86 | 13.90 | H |
| | 1664 | -60.51 | -13 | -47.51 | -67.48 | 1.58 | 10.70 | V |
| | 2496 | -59.35 | -13 | -46.35 | -67.60 | 2.10 | 12.50 | V |
| | 3330 | -56.63 | -13 | -43.63 | -65.52 | 2.86 | 13.90 | V |

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

| LTE Band 7 / 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 | 5052 | -55.20 | -25 | -30.20 | -65.41 | 3.03 | 13.24 | H |
| | 7580 | -61.08 | -25 | -36.08 | -70.53 | 3.56 | 13.01 | H |
| | 10100 | -60.60 | -25 | -35.60 | -70.12 | 3.92 | 13.44 | H |
| | 5052 | -58.21 | -25 | -33.21 | -68.42 | 3.03 | 13.24 | V |
| | 7580 | -61.75 | -25 | -36.75 | -71.20 | 3.56 | 13.01 | V |
| | 10100 | -60.87 | -25 | -35.87 | -70.39 | 3.92 | 13.44 | V |

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



| LTE Band 66 / 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 | 3471 | -56.55 | -13 | -43.55 | -67.29 | 2.604 | 13.34 | H |
| | 5208 | -53.62 | -13 | -40.62 | -64.13 | 3.011 | 13.52 | H |
| | 6948 | -54.11 | -13 | -41.11 | -64.31 | 3.271 | 13.47 | H |
| | 3471 | -57.08 | -13 | -44.08 | -67.82 | 2.604 | 13.34 | V |
| | 5208 | -54.14 | -13 | -41.14 | -64.65 | 3.011 | 13.52 | V |
| | 6948 | -54.47 | -13 | -41.47 | -64.67 | 3.271 | 13.47 | V |

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