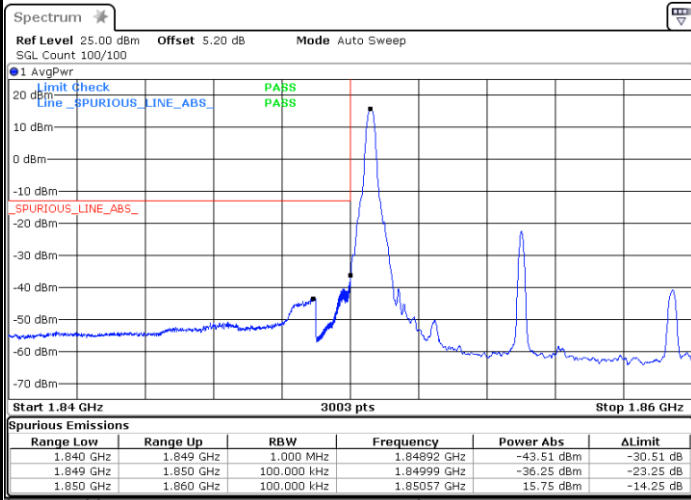




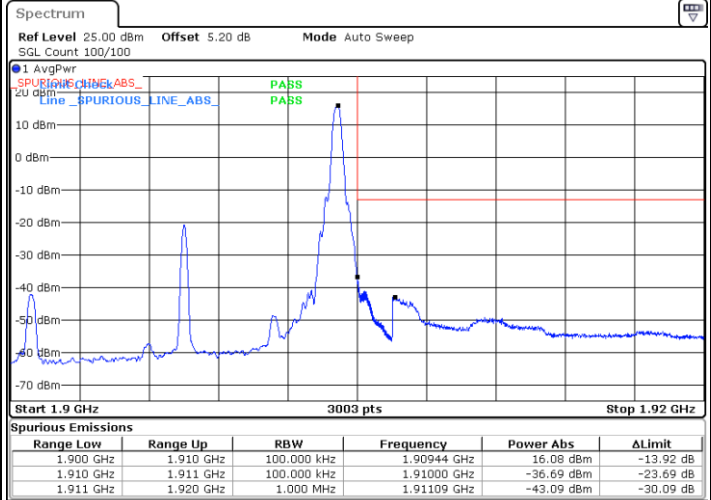
LTE Band 2 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



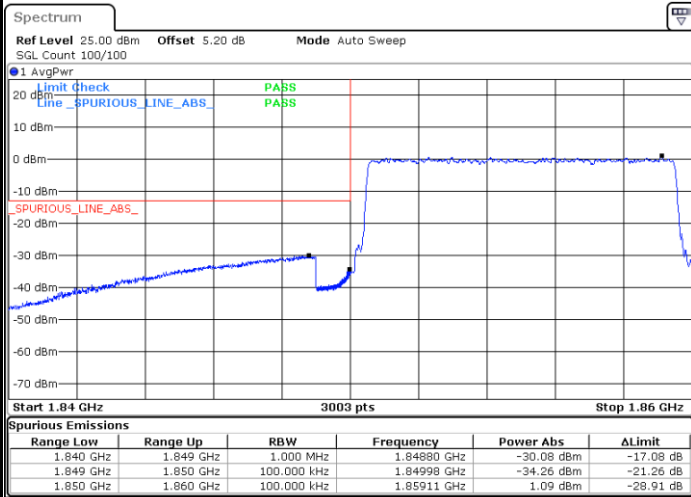
Date: 15.MAY.2023 16:37:31

Highest Band Edge / 1 RB



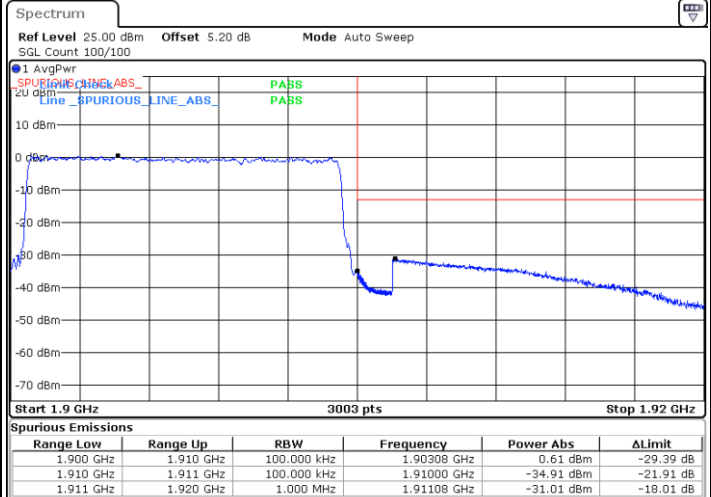
Date: 15.MAY.2023 16:47:19

Lowest Band Edge / Full RB



Date: 15.MAY.2023 16:41:04

Highest Band Edge / Full RB

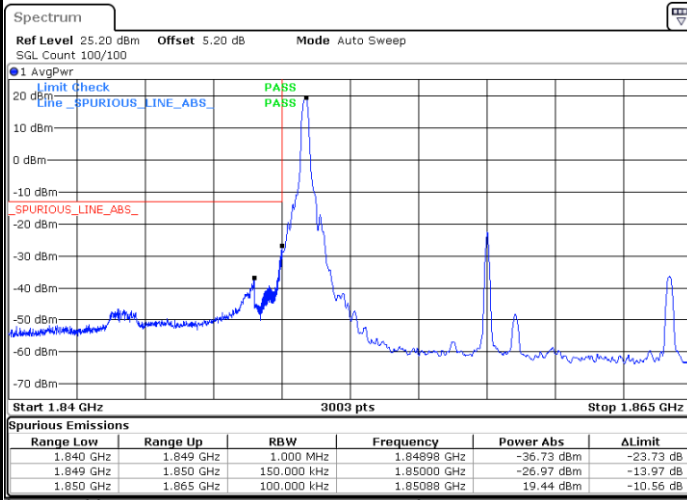


Date: 15.MAY.2023 16:51:24



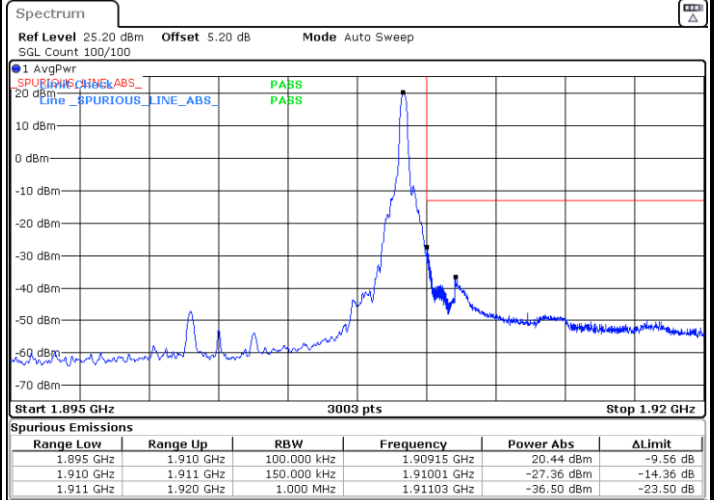
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



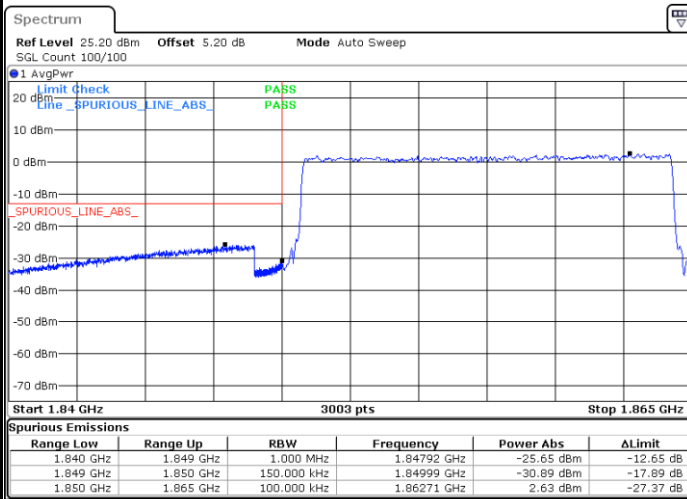
Date: 15.MAY.2023 16:56:28

Highest Band Edge / 1 RB



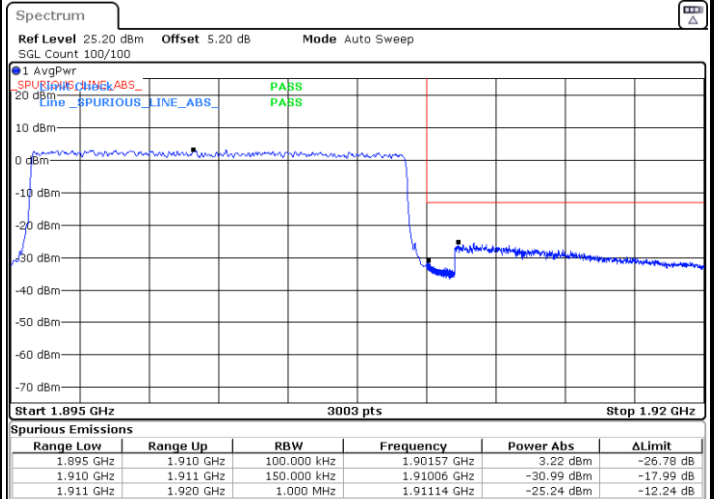
Date: 15.MAY.2023 18:27:41

Lowest Band Edge / Full RB



Date: 15.MAY.2023 16:59:52

Highest Band Edge / Full RB

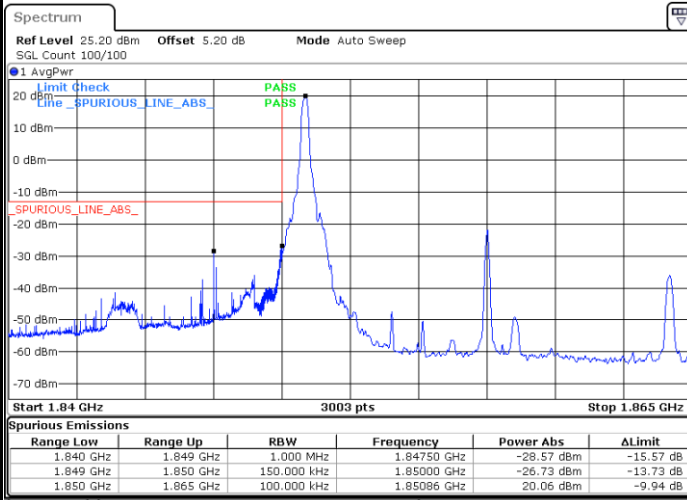


Date: 15.MAY.2023 18:31:04



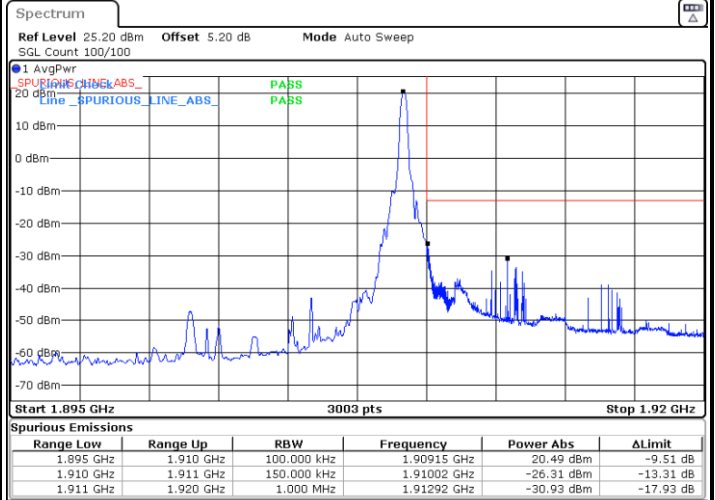
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



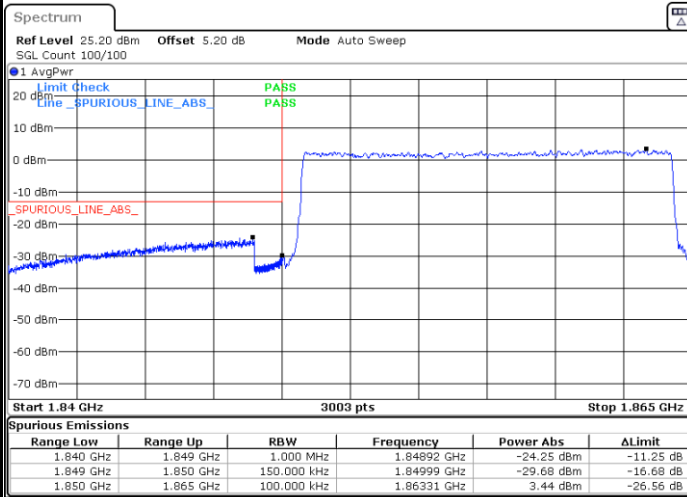
Date: 15.MAY.2023 16:57:19

Highest Band Edge / 1 RB



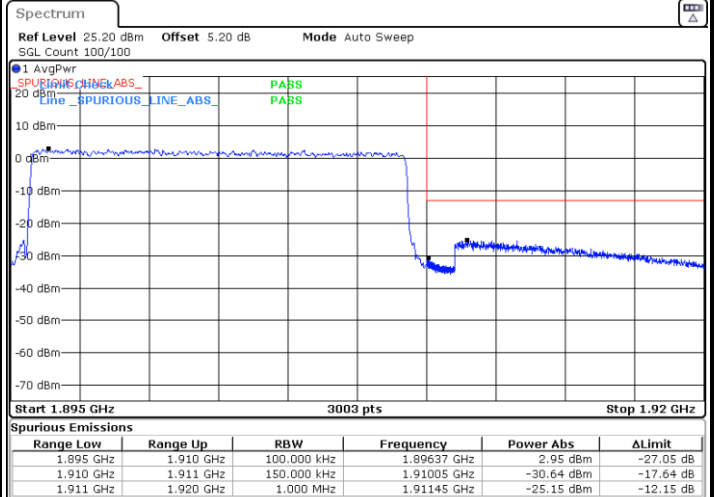
Date: 15.MAY.2023 18:28:31

Lowest Band Edge / Full RB



Date: 15.MAY.2023 18:22:20

Highest Band Edge / Full RB

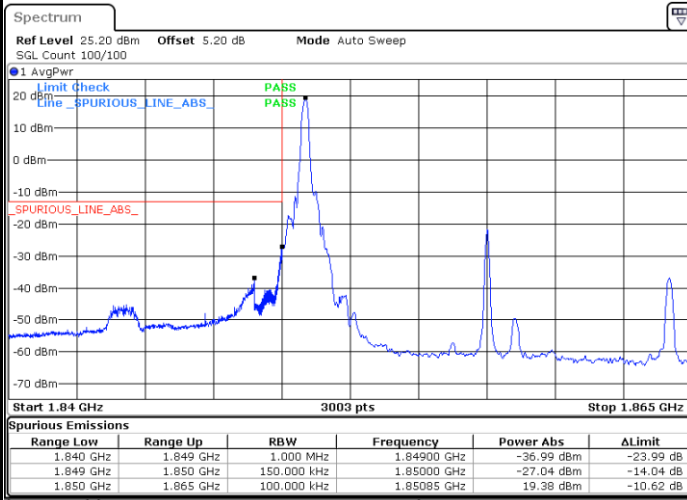


Date: 15.MAY.2023 18:31:54



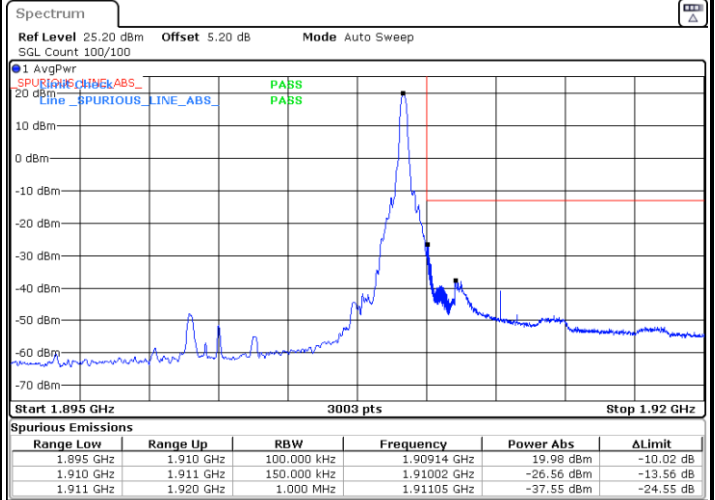
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



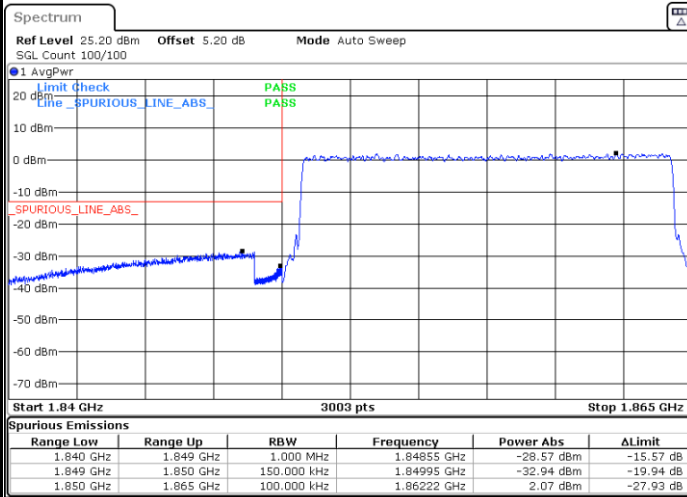
Date: 15.MAY.2023 16:58:09

Highest Band Edge / 1 RB



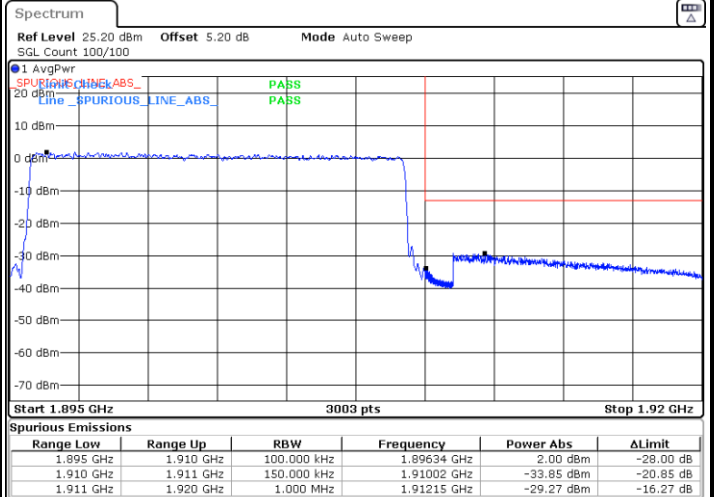
Date: 15.MAY.2023 18:29:20

Lowest Band Edge / Full RB



Date: 15.MAY.2023 18:23:10

Highest Band Edge / Full RB

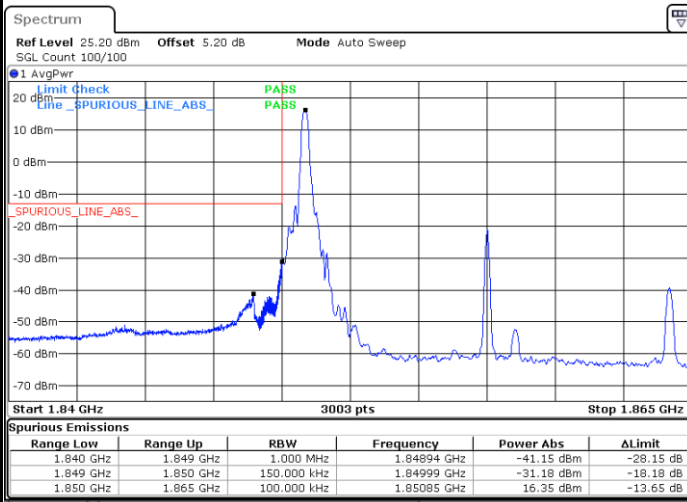


Date: 15.MAY.2023 18:32:44



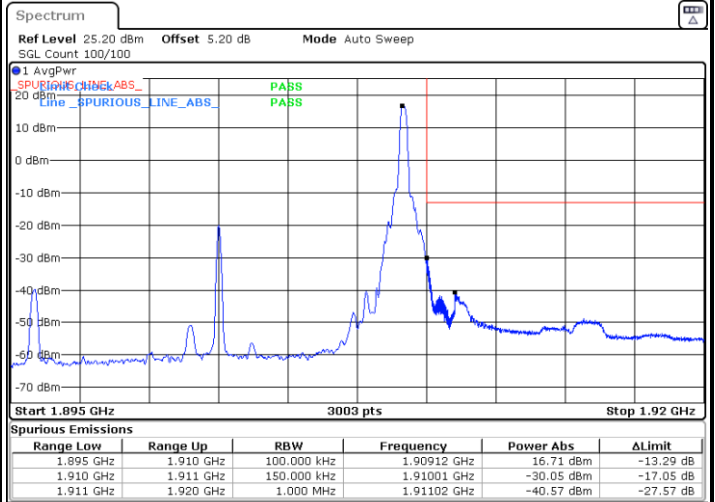
LTE Band 2 / 15MHz /256QAM

Lowest Band Edge / 1 RB



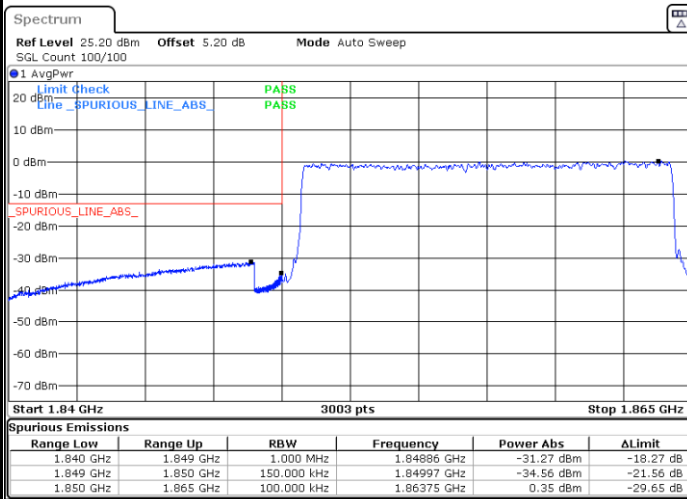
Date: 15.MAY.2023 16:58:59

Highest Band Edge / 1 RB



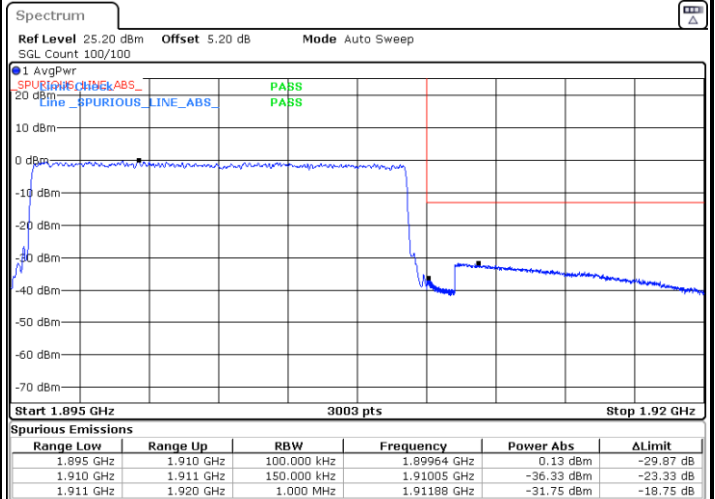
Date: 15.MAY.2023 18:30:11

Lowest Band Edge / Full RB



Date: 15.MAY.2023 18:24:00

Highest Band Edge / Full RB

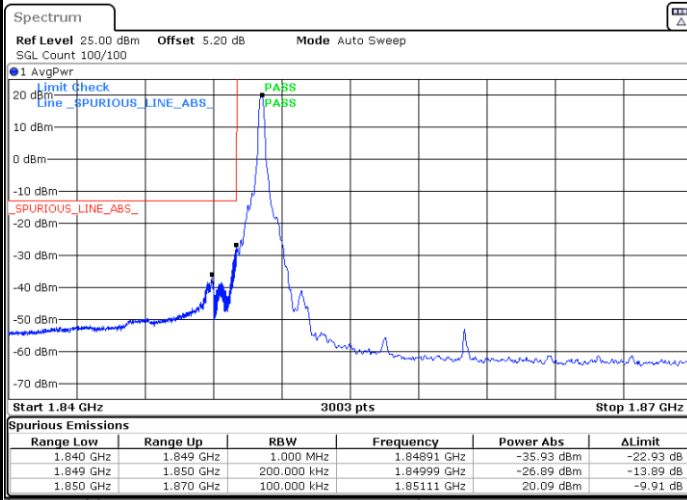


Date: 15.MAY.2023 18:33:34



LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



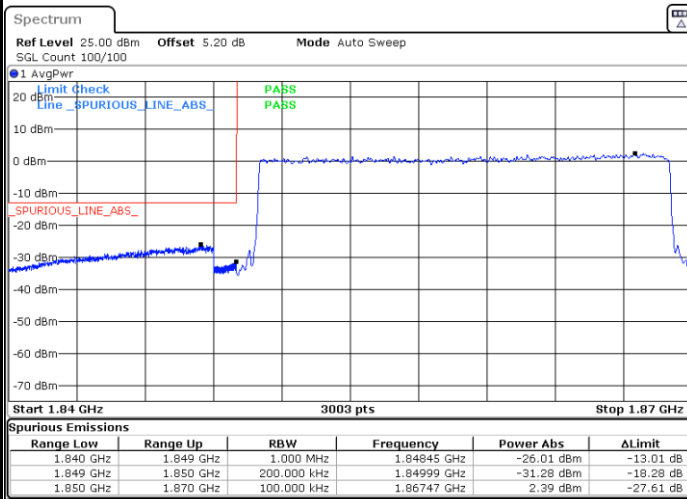
Date: 15.MAY.2023 18:39:23

Highest Band Edge / 1 RB



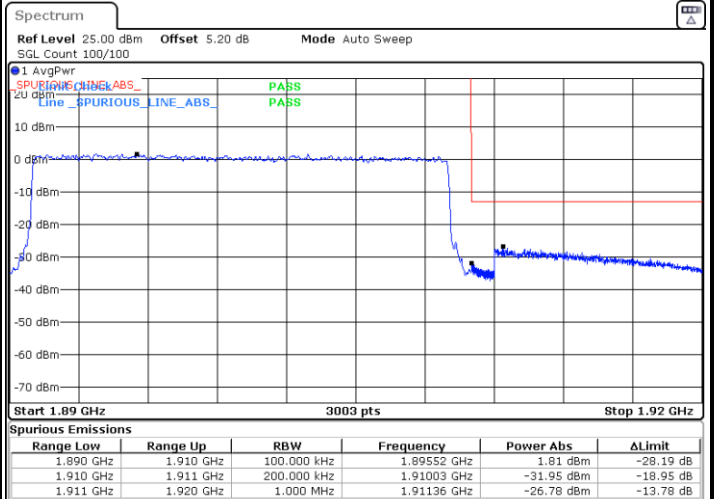
Date: 15.MAY.2023 18:50:15

Lowest Band Edge / Full RB



Date: 15.MAY.2023 18:42:46

Highest Band Edge / Full RB

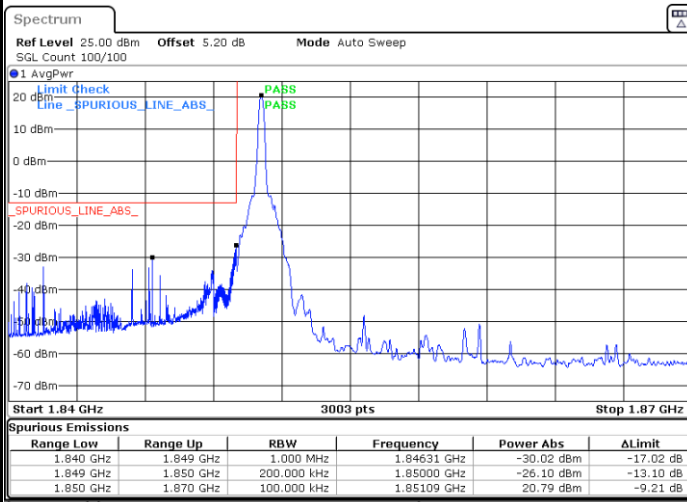


Date: 15.MAY.2023 18:54:22



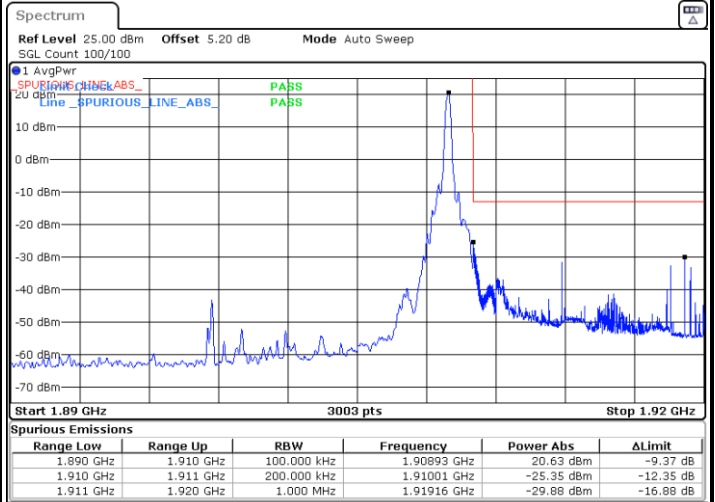
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



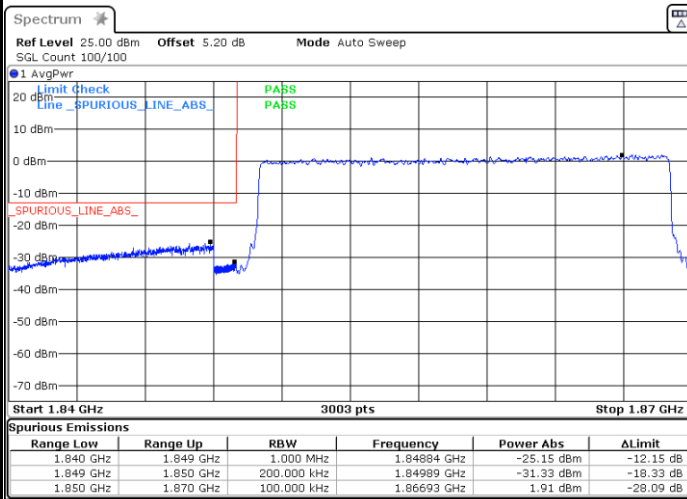
Date: 15.MAY.2023 18:40:13

Highest Band Edge / 1 RB



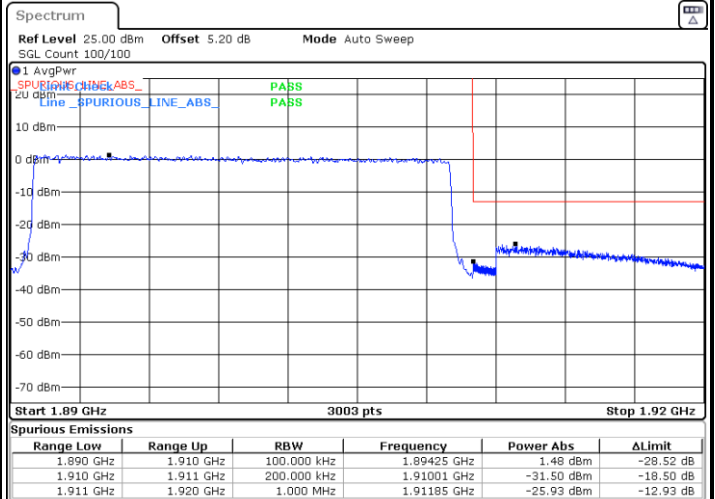
Date: 15.MAY.2023 18:51:49

Lowest Band Edge / Full RB



Date: 15.MAY.2023 18:43:36

Highest Band Edge / Full RB

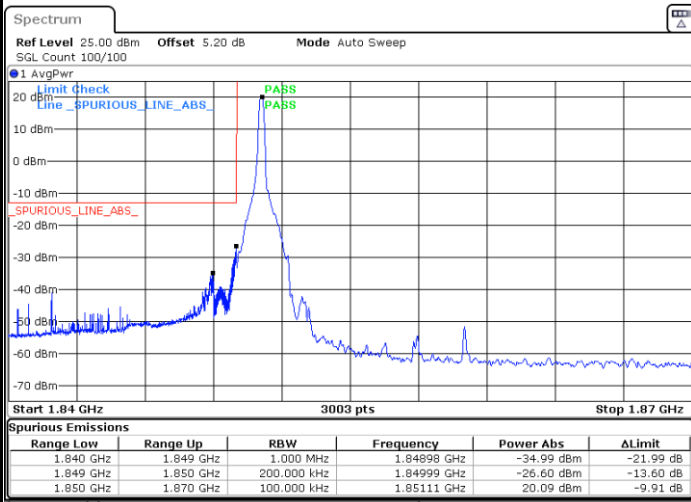


Date: 15.MAY.2023 18:55:12



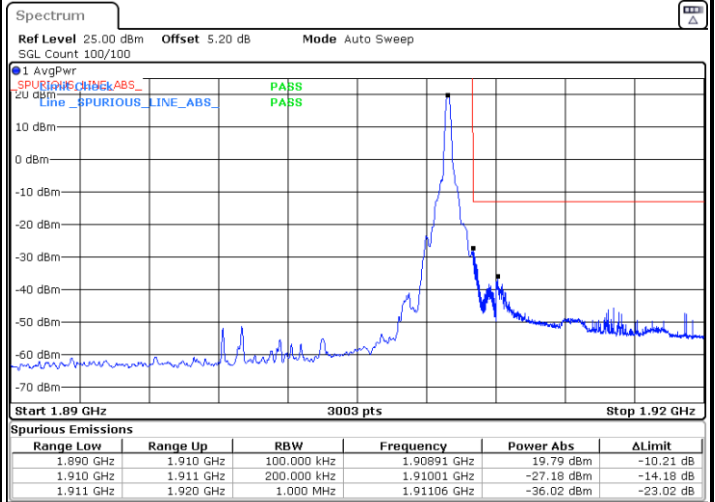
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



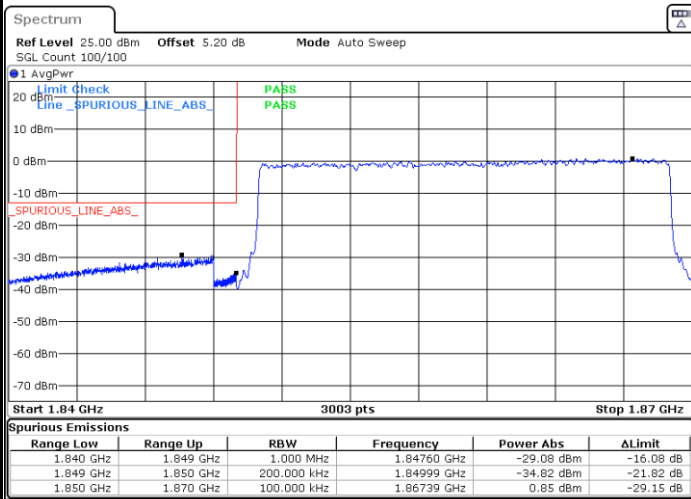
Date: 15.MAY.2023 18:41:03

Highest Band Edge / 1 RB



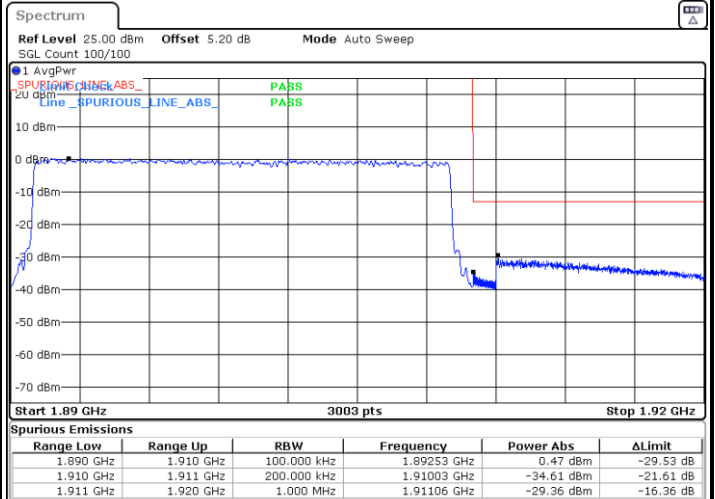
Date: 15.MAY.2023 18:52:39

Lowest Band Edge / Full RB



Date: 15.MAY.2023 18:44:25

Highest Band Edge / Full RB

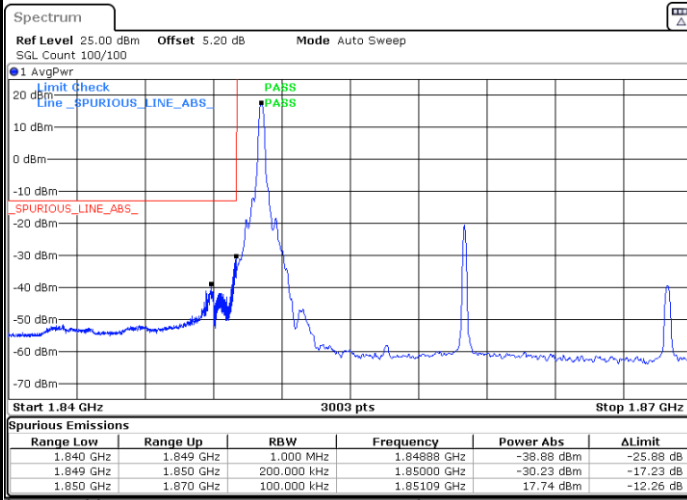


Date: 15.MAY.2023 18:56:02



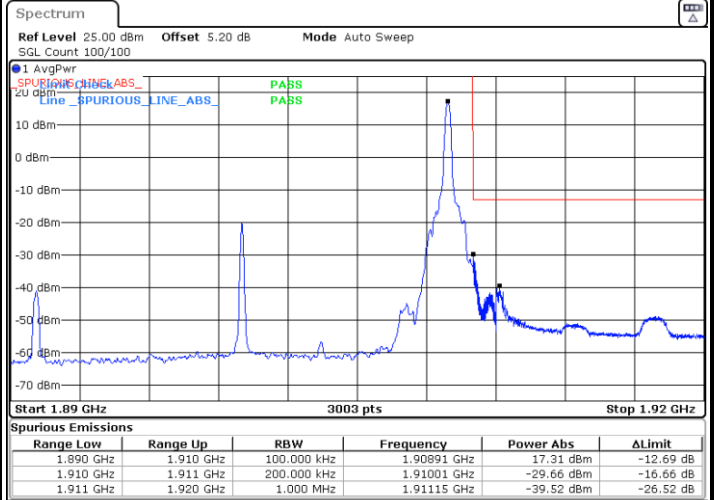
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



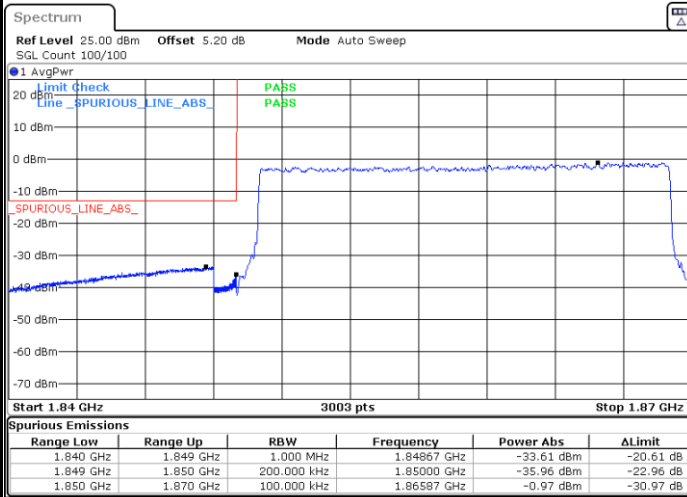
Date: 15.MAY.2023 18:41:53

Highest Band Edge / 1 RB



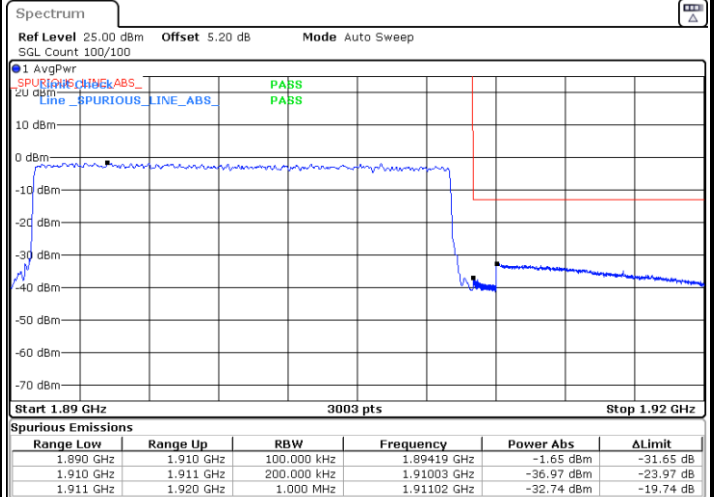
Date: 15.MAY.2023 18:53:29

Lowest Band Edge / Full RB



Date: 15.MAY.2023 18:45:16

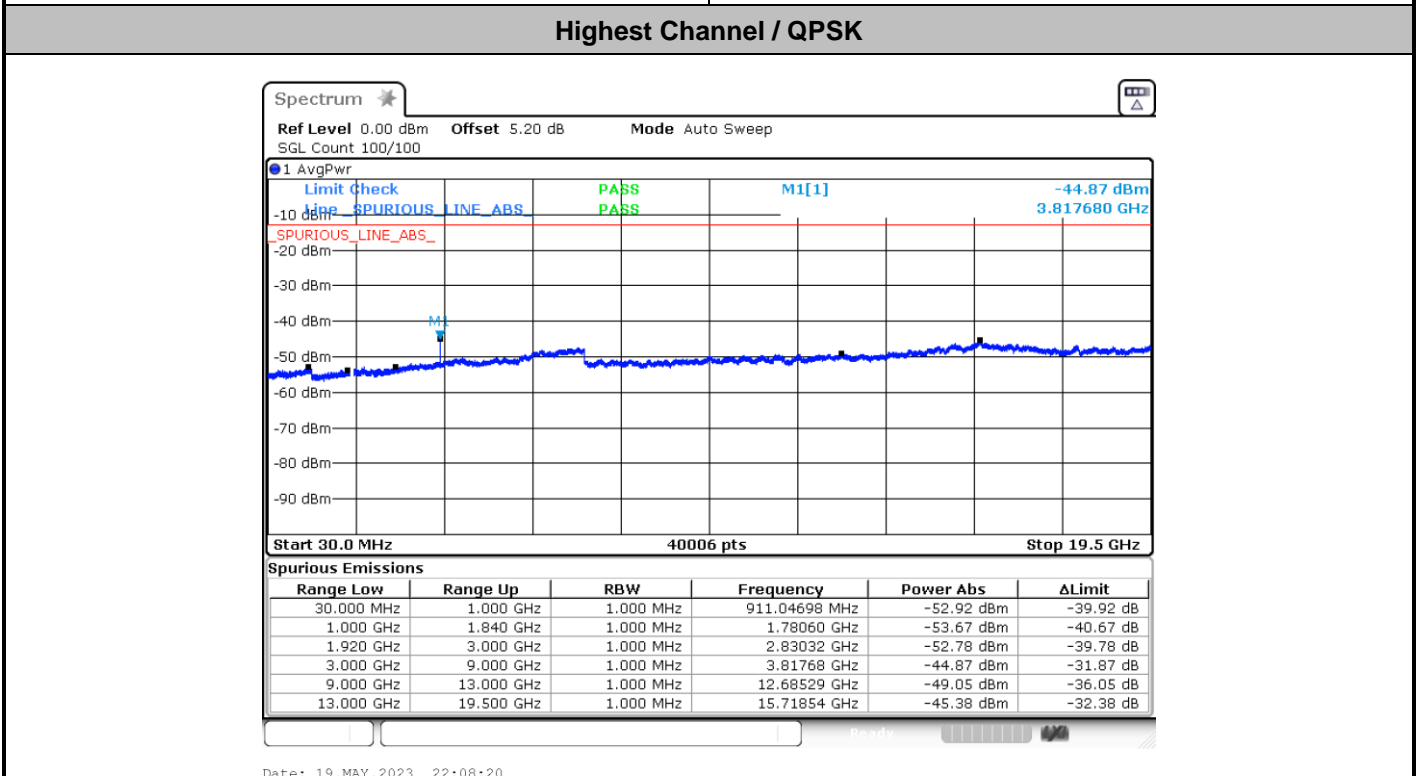
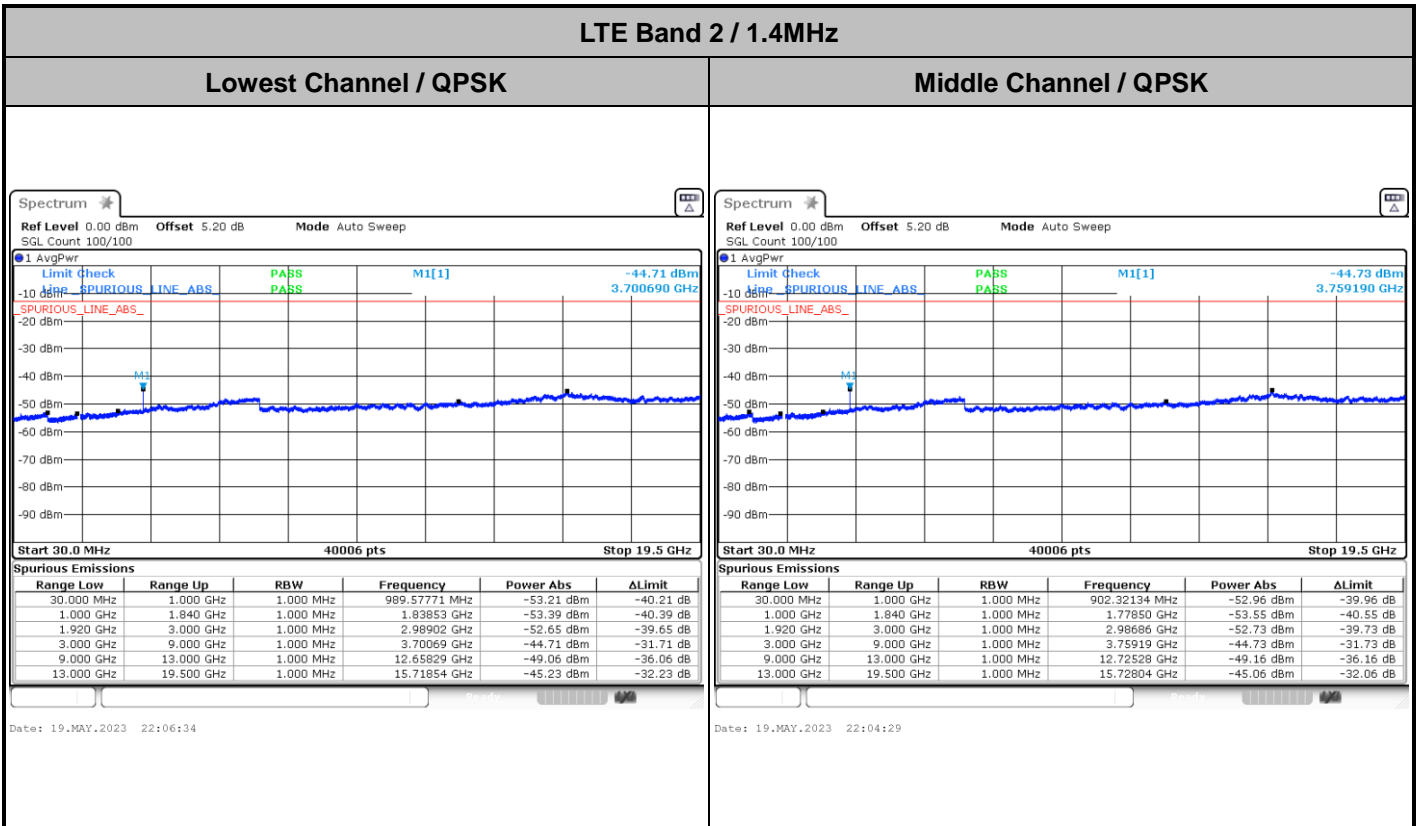
Highest Band Edge / Full RB



Date: 15.MAY.2023 18:56:52



Conducted Spurious Emission

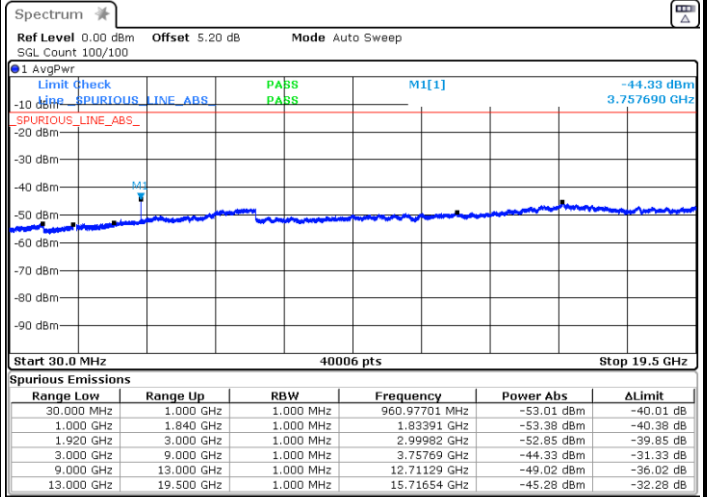
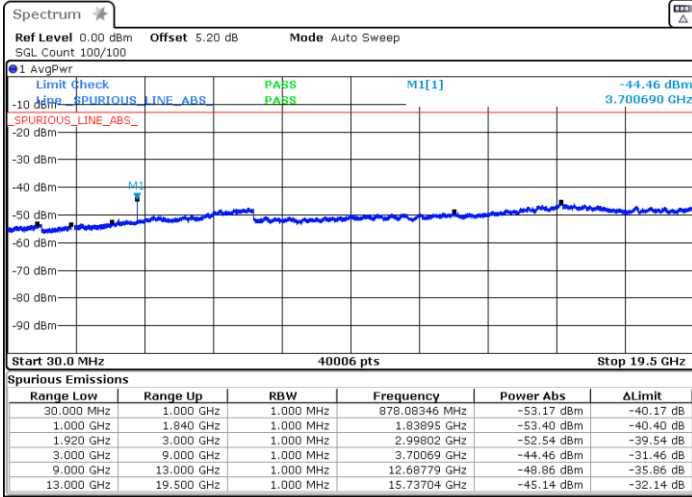




LTE Band 2 / 3MHz

Lowest Channel / QPSK

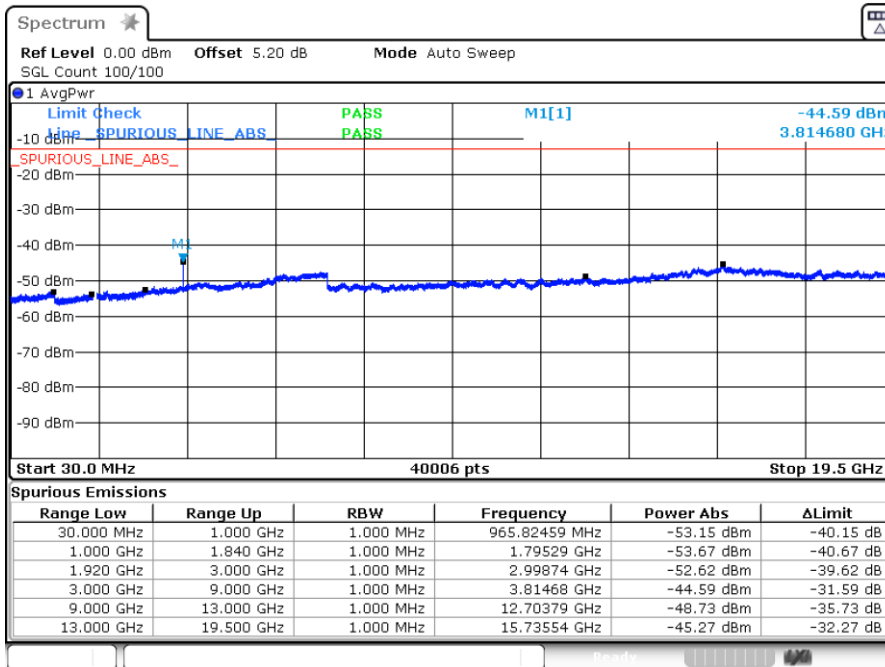
Middle Channel / QPSK



Date: 19.MAY.2023 22:00:36

Date: 19.MAY.2023 21:58:46

Highest Channel / QPSK



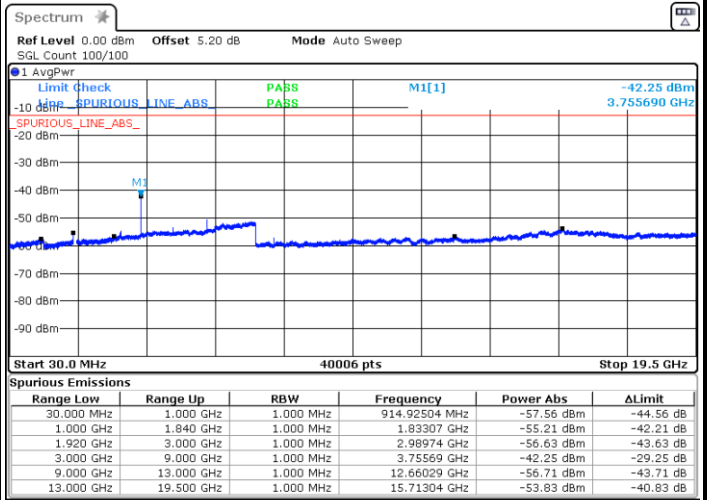
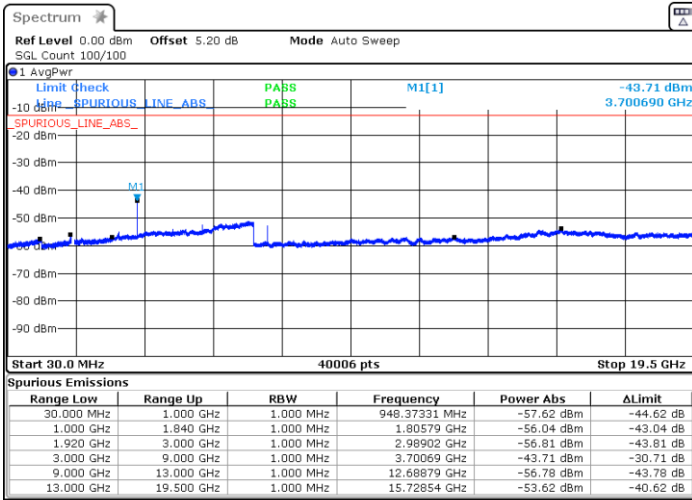
Date: 19.MAY.2023 22:02:46



LTE Band 2 / 5MHz

Lowest Channel / QPSK

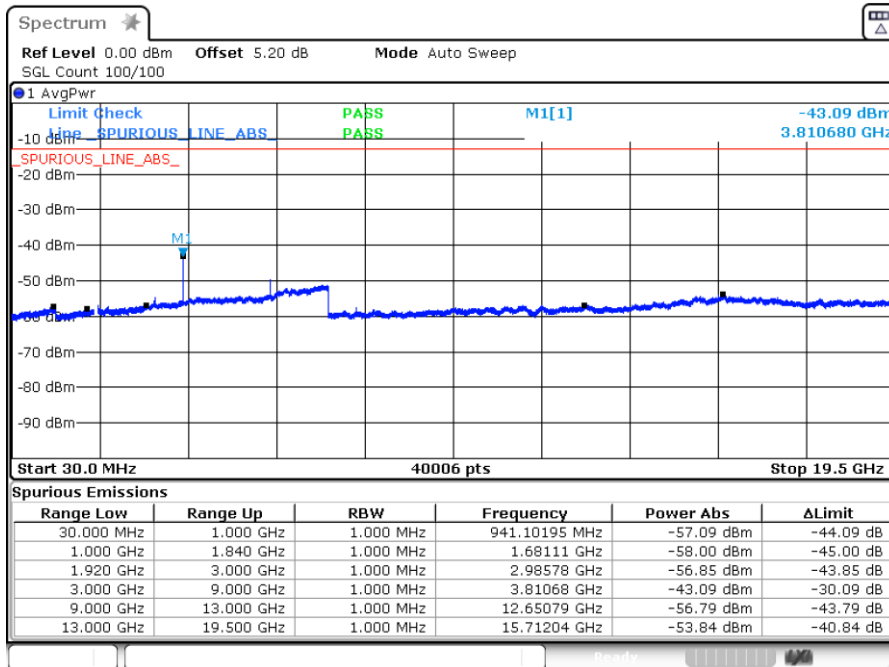
Middle Channel / QPSK



Date: 19.MAY.2023 21:54:37

Date: 19.MAY.2023 21:53:00

Highest Channel / QPSK



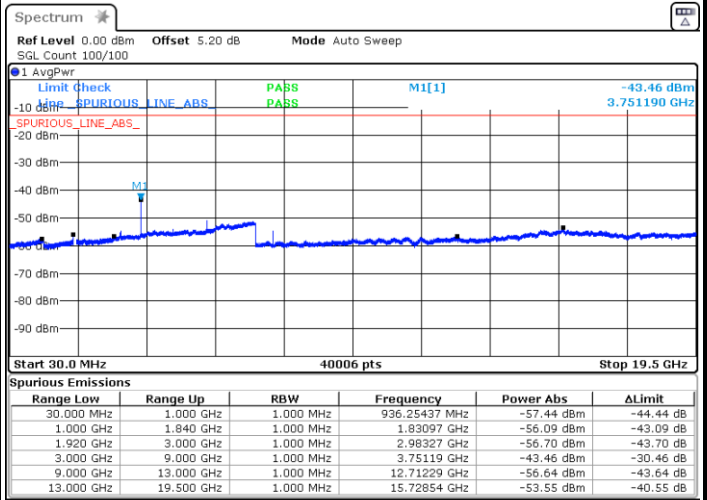
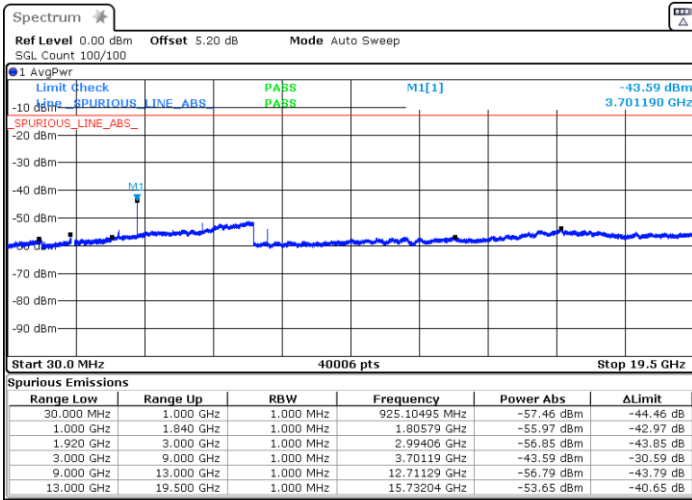
Date: 19.MAY.2023 21:56:44



LTE Band 2 / 10MHz

Lowest Channel / QPSK

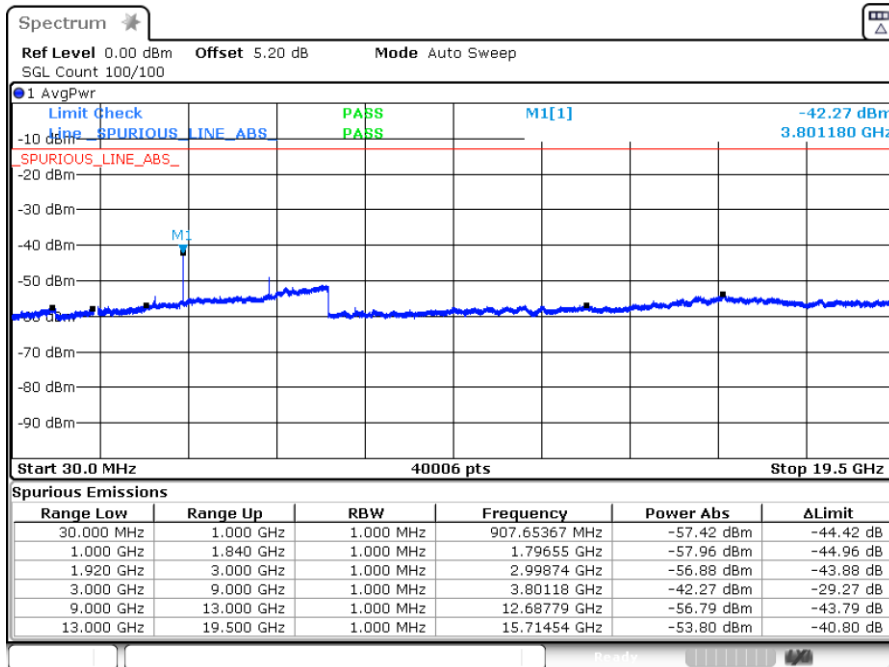
Middle Channel / QPSK



Date: 19.MAY.2023 21:36:17

Date: 19.MAY.2023 21:34:18

Highest Channel / QPSK



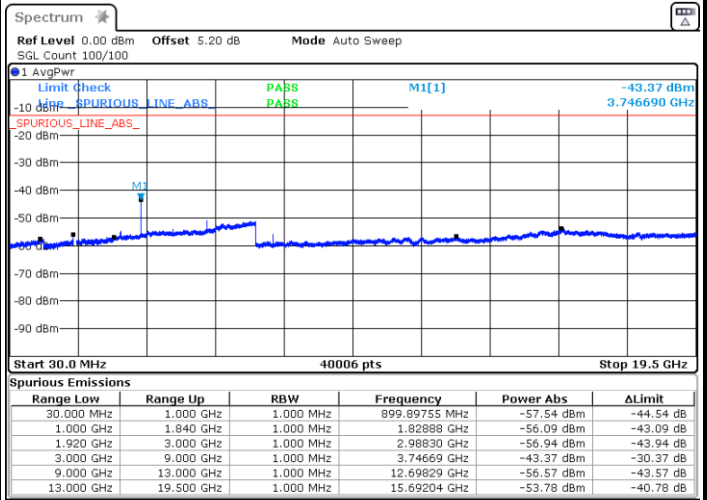
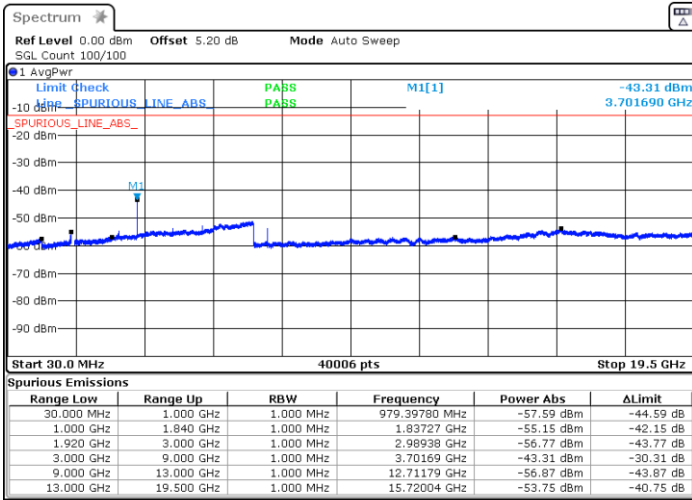
Date: 19.MAY.2023 21:38:12



LTE Band 2 / 15MHz

Lowest Channel / QPSK

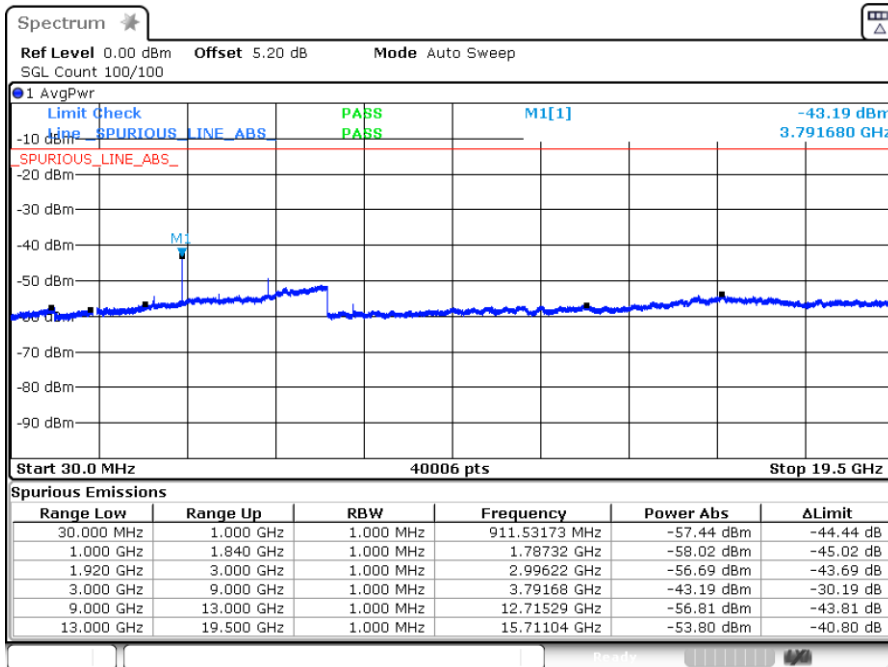
Middle Channel / QPSK



Date: 19.MAY.2023 21:43:51

Date: 19.MAY.2023 21:40:28

Highest Channel / QPSK



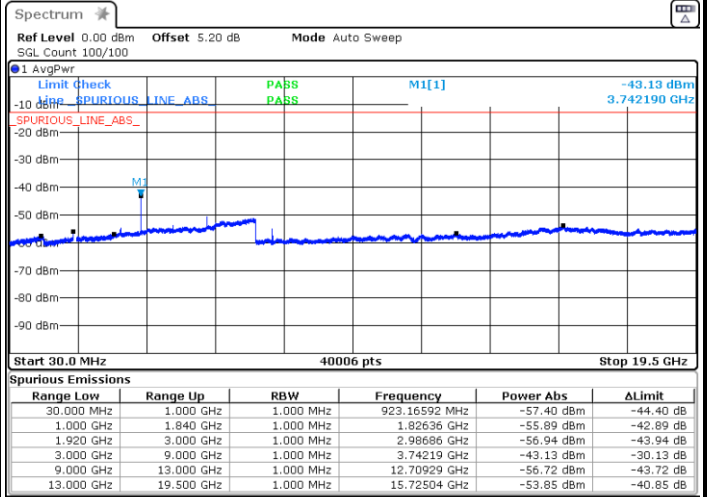
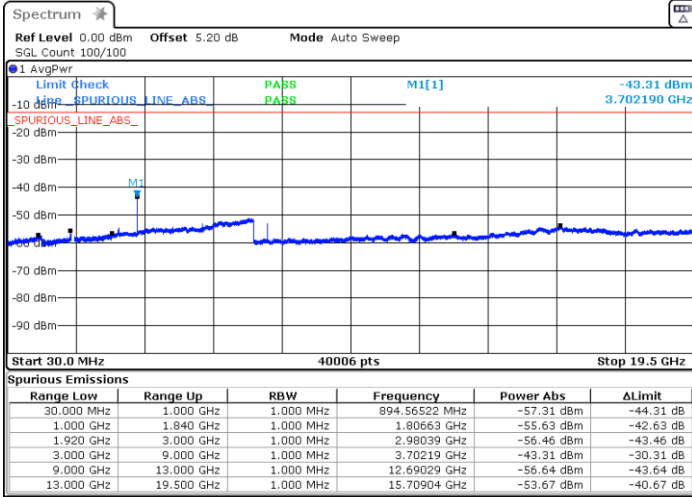
Date: 19.MAY.2023 21:45:58



LTE Band 2 / 20MHz

Lowest Channel / QPSK

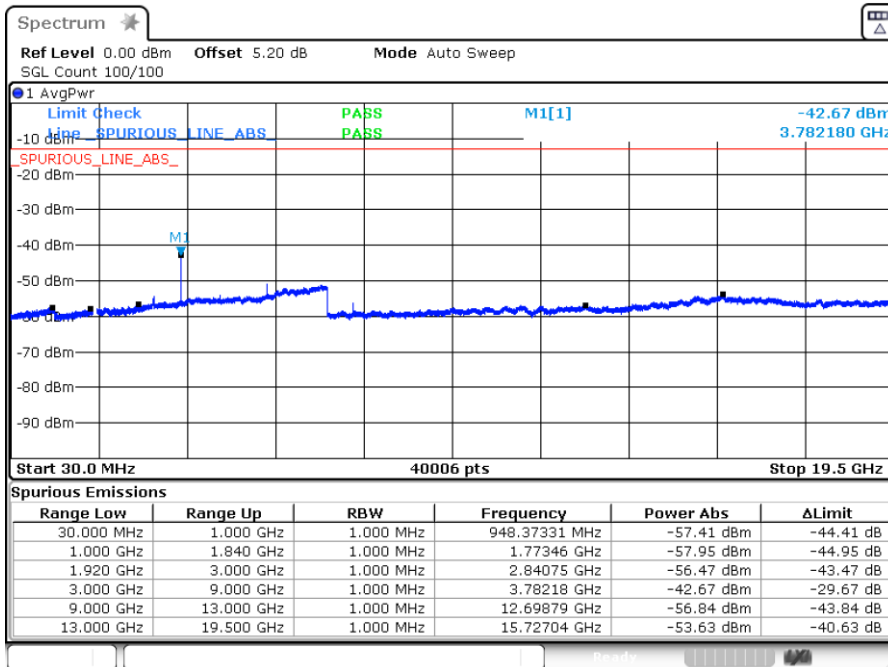
Middle Channel / QPSK



Date: 19.MAY.2023 21:49:23

Date: 19.MAY.2023 21:47:48

Highest Channel / QPSK



Date: 19.MAY.2023 21:51:12



Frequency Stability

| Test Conditions | | LTE Band 2 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0087 | PASS |
| 40 | Normal Voltage | 0.0013 | |
| 30 | Normal Voltage | 0.0029 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0036 | |
| 0 | Normal Voltage | 0.0018 | |
| -10 | Normal Voltage | 0.0027 | |
| -20 | Normal Voltage | 0.0016 | |
| -30 | Normal Voltage | 0.0033 | |
| 20 | Maximum Voltage | 0.0021 | |
| 20 | Normal Voltage | 0.0042 | |
| 20 | Battery End Point | 0.0027 | |

Note:

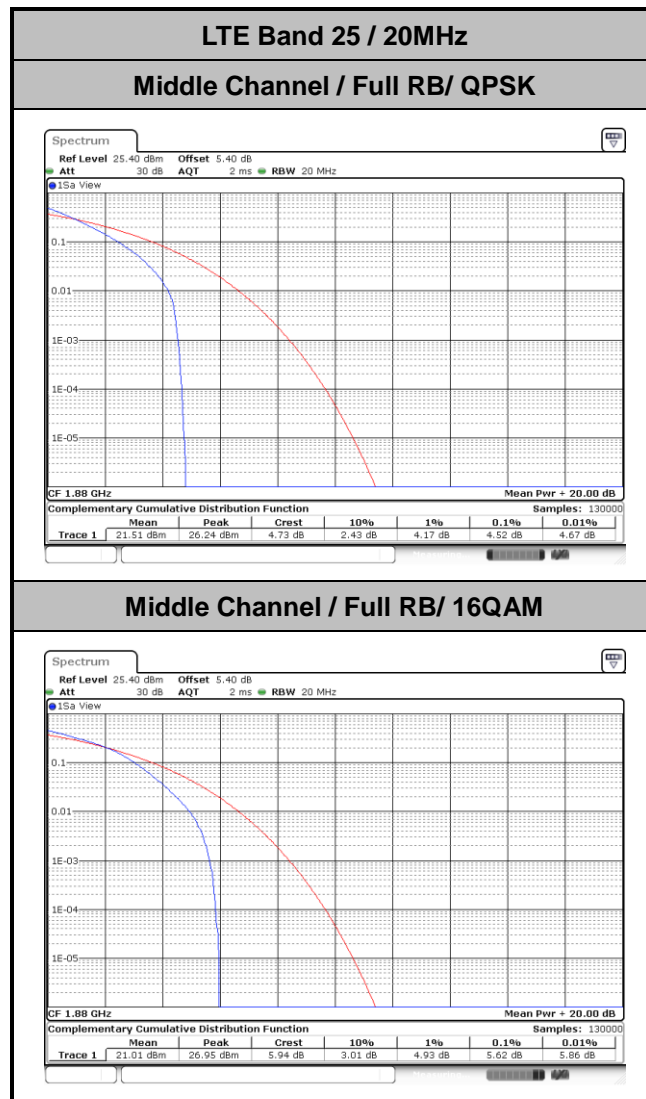
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

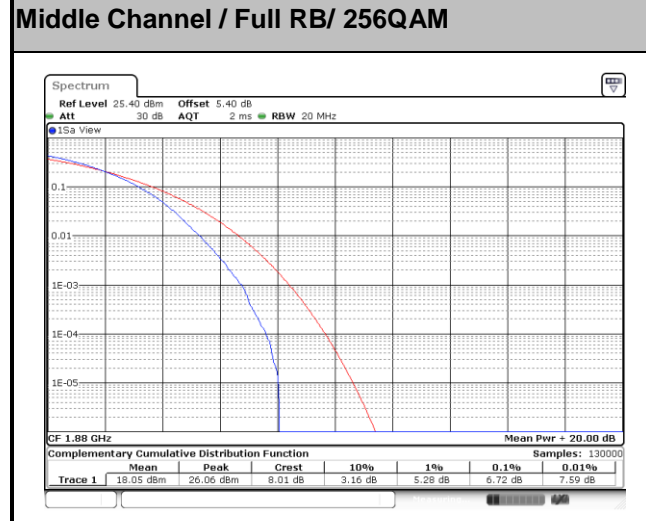
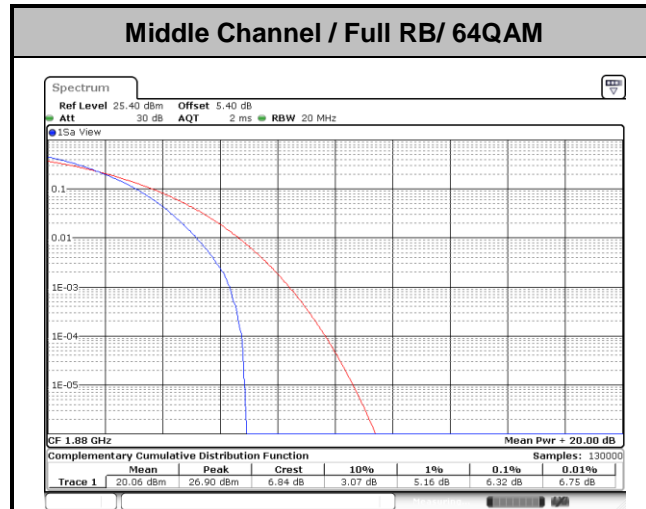


LTE Band 25

Peak-to-Average Ratio

| Mode | LTE Band 25 / 20MHz | | | | |
|-----------|---------------------|---------|---------|-------------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Full RB | Result |
| Middle CH | 4.52 | 5.62 | 6.32 | 6.72 | PASS |







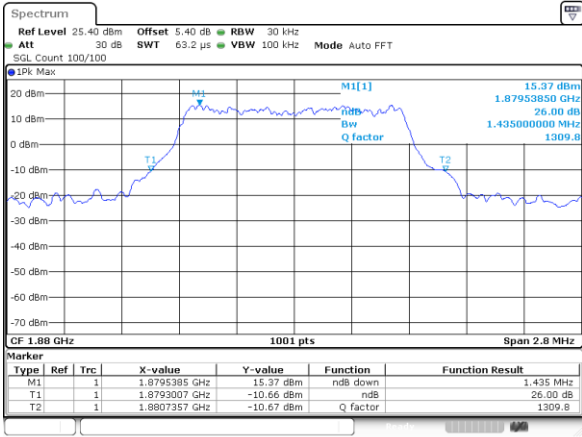
26dB Bandwidth

| Mode | LTE Band 25 : 26dB BW(MHz) | |
|------------------|----------------------------|--------------|
| BW | 1.4MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 1.44 | 1.32 |
| BW | 3MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 3.13 | 3.02 |
| BW | 5MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 4.94 | 5.01 |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 9.93 | 9.87 |
| BW | 15MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 14.18 | 14.81 |
| BW | 20MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 19.42 | 18.86 |

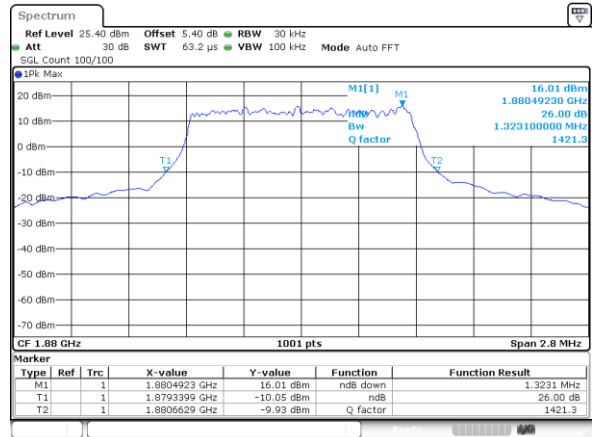


LTE Band 25

Middle Channel / 1.4MHz / QPSK

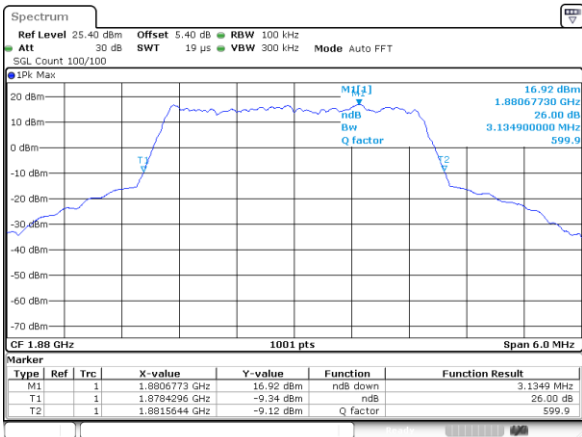


Middle Channel / 1.4MHz / 16QAM

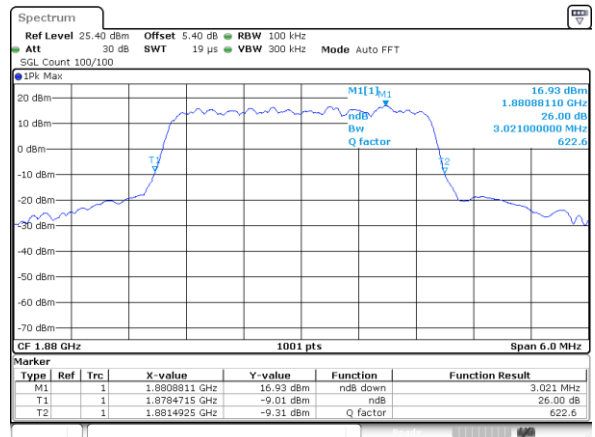


LTE Band 25

Middle Channel / 3MHz / QPSK

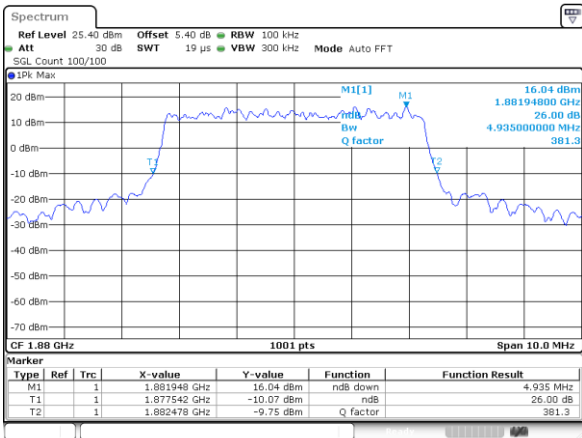


Middle Channel / 3MHz / 16QAM

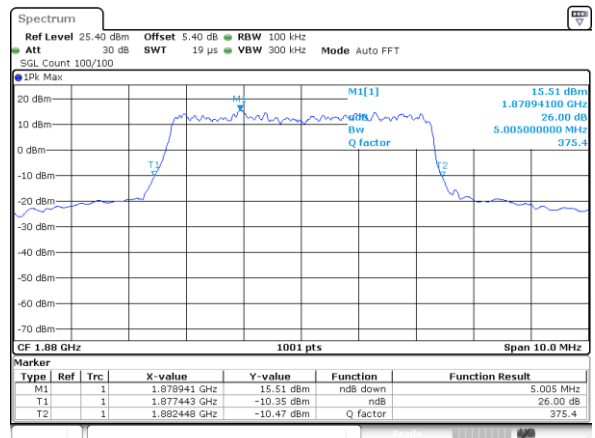


LTE Band 25

Middle Channel / 5MHz / QPSK



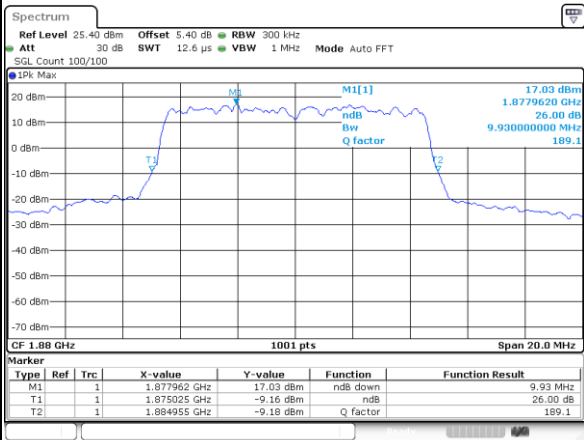
Middle Channel / 5MHz / 16QAM



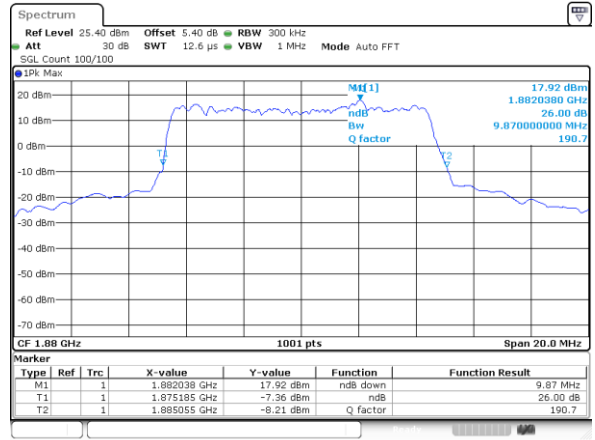


LTE Band 25

Middle Channel / 10MHz / QPSK

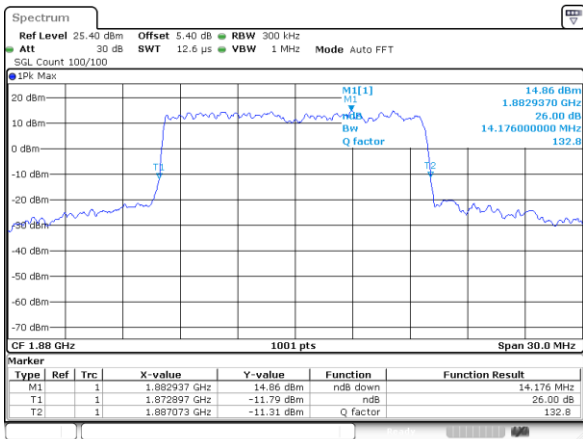


Middle Channel / 10MHz / 16QAM

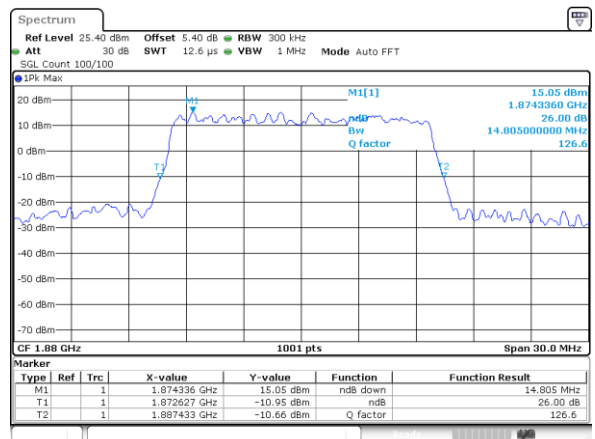


LTE Band 25

Middle Channel / 15MHz / QPSK

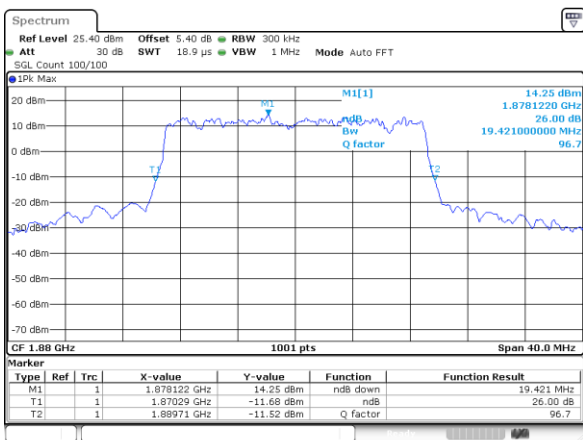


Middle Channel / 15MHz / 16QAM

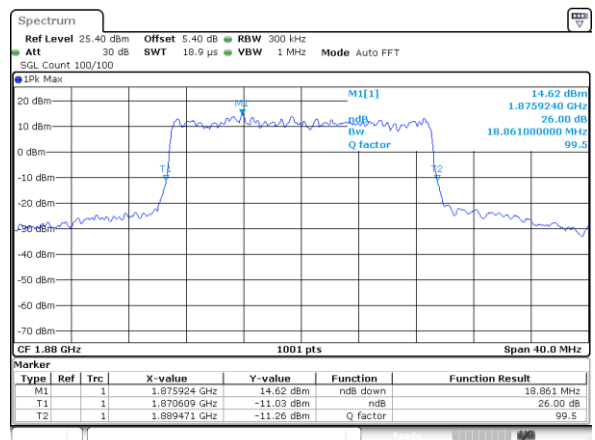


LTE Band 25

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





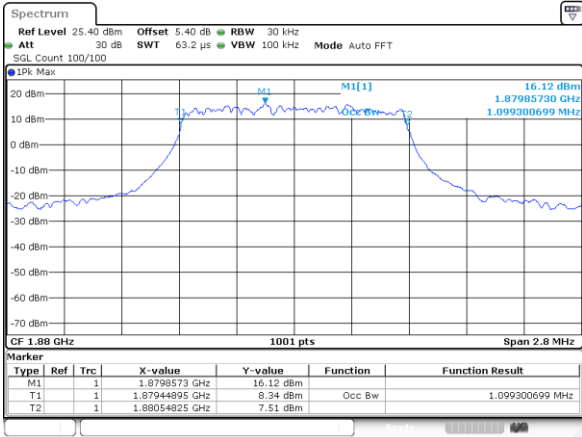
Occupied Bandwidth

| Mode | LTE Band 25 : 99%OBW(MHz) | |
|------------------|---------------------------|--------------|
| BW | 1.4MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 1.10 | 1.11 |
| BW | 3MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 2.71 | 2.72 |
| BW | 5MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 4.52 | 4.51 |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 9.11 | 9.03 |
| BW | 15MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 13.40 | 13.40 |
| BW | 20MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 17.94 | 17.90 |

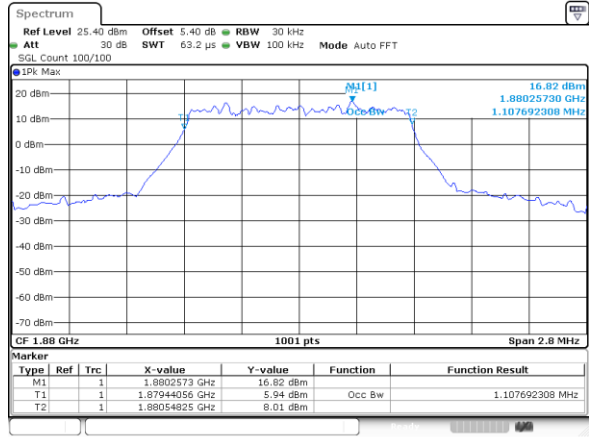


LTE Band 25

Middle Channel / 1.4MHz / QPSK

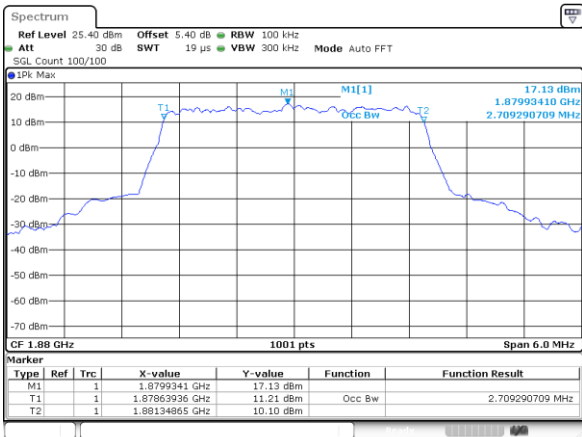


Middle Channel / 1.4MHz / 16QAM

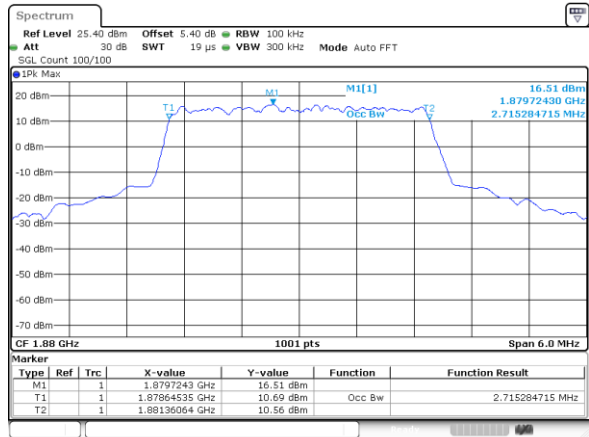


LTE Band 25

Middle Channel / 3MHz / QPSK

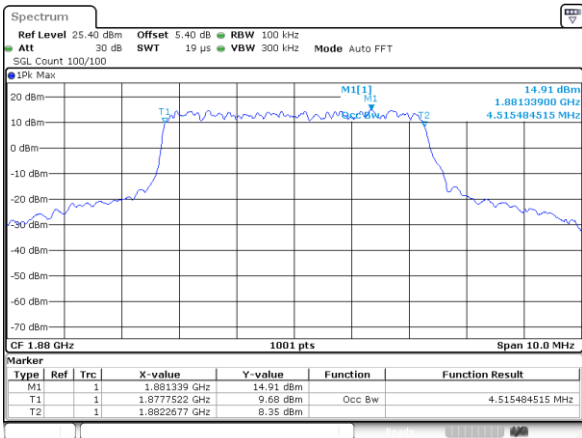


Middle Channel / 3MHz / 16QAM

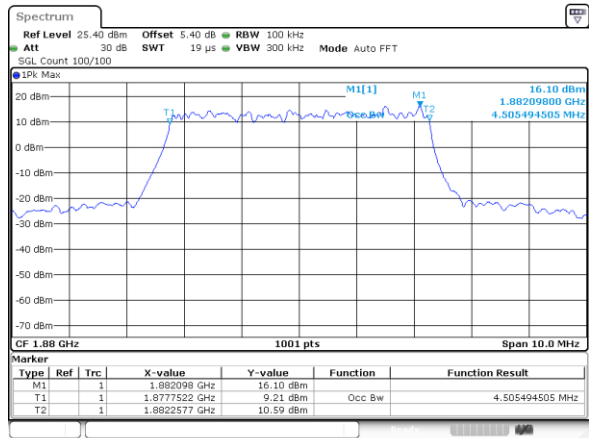


LTE Band 25

Middle Channel / 5MHz / QPSK



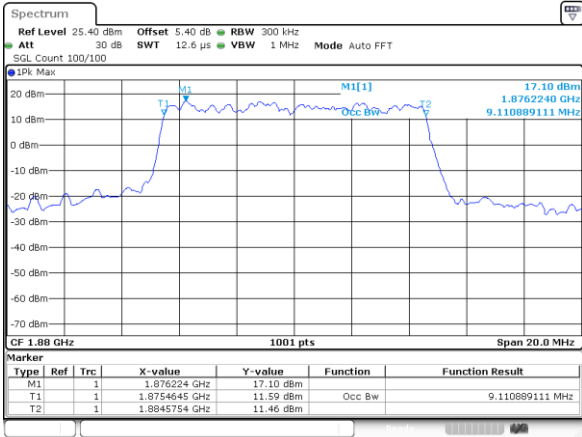
Middle Channel / 5MHz / 16QAM



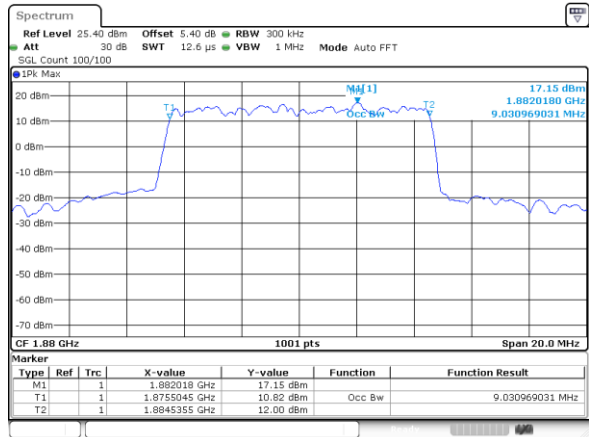


LTE Band 25

Middle Channel / 10MHz / QPSK

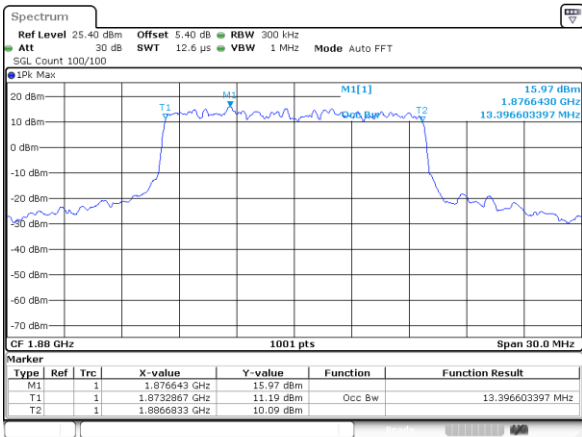


Middle Channel / 10MHz / 16QAM

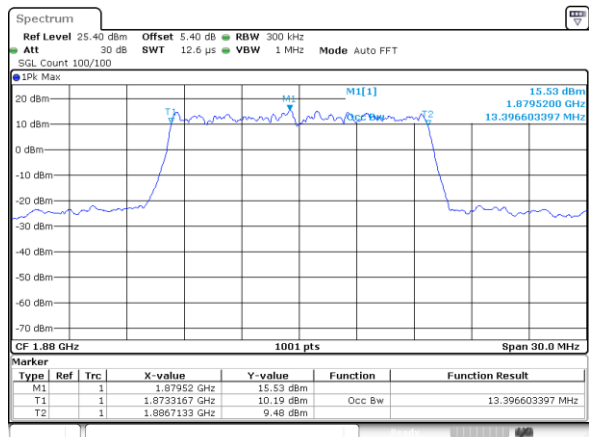


LTE Band 25

Middle Channel / 15MHz / QPSK

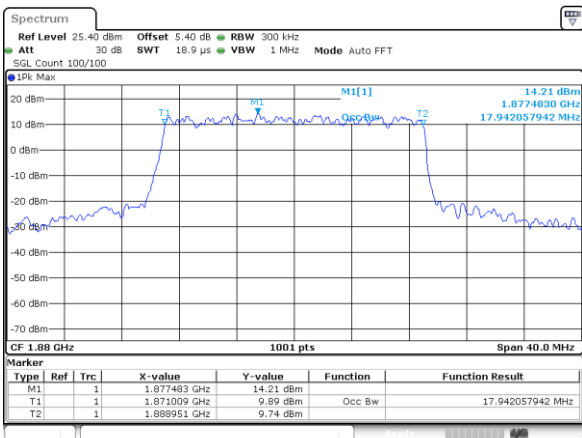


Middle Channel / 15MHz / 16QAM

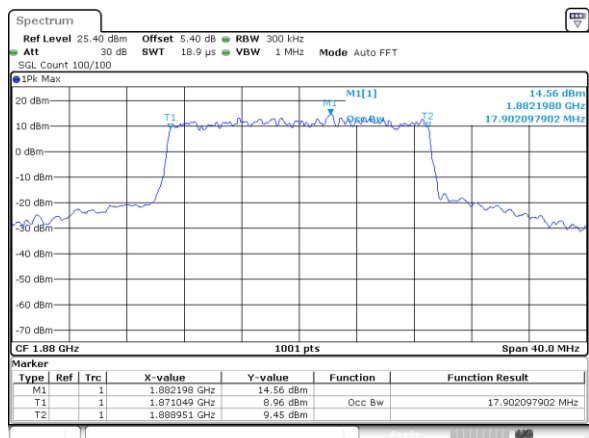


LTE Band 25

Middle Channel / 20MHz / QPSK

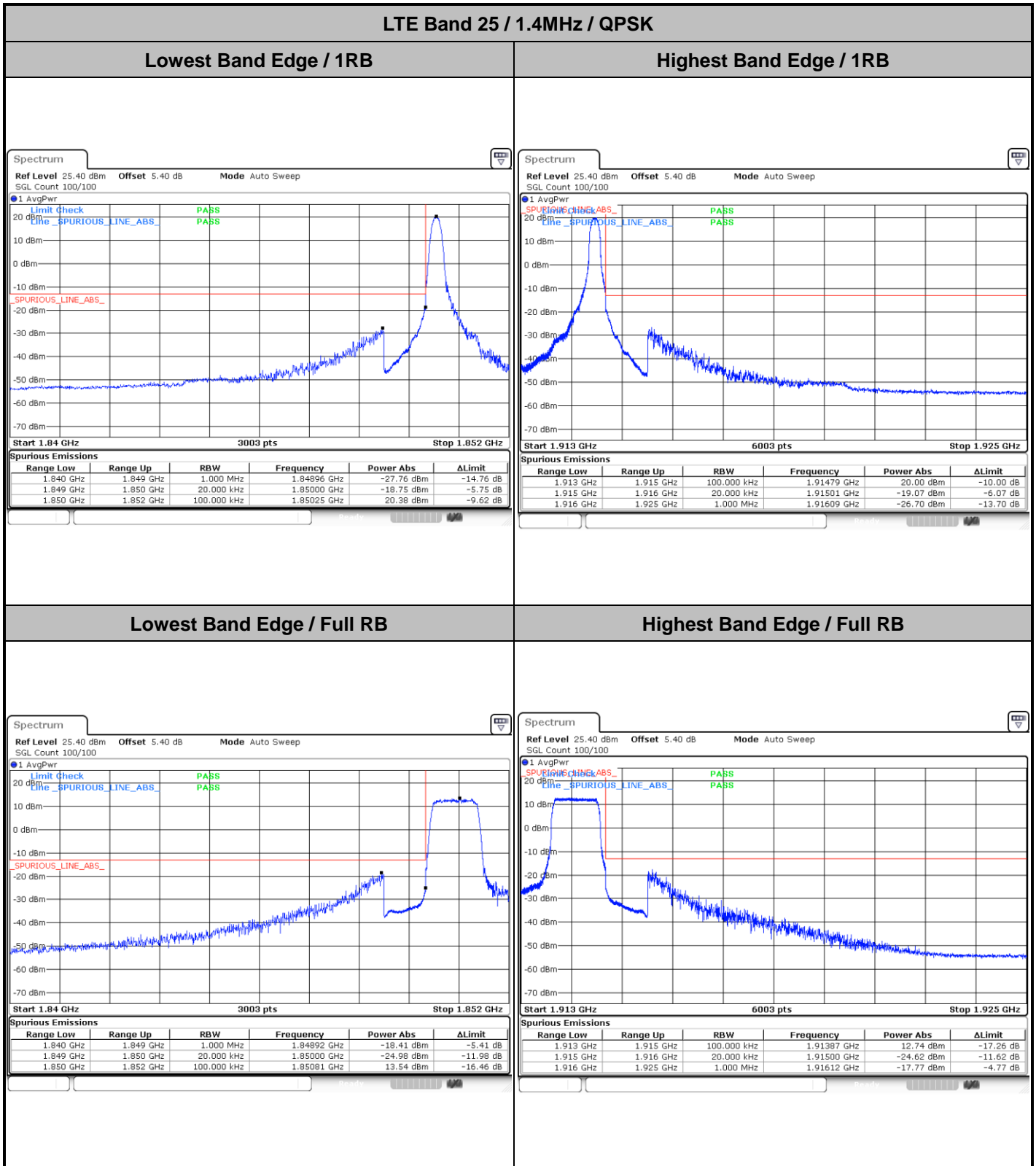


Middle Channel / 20MHz / 16QAM





Conducted Band Edge

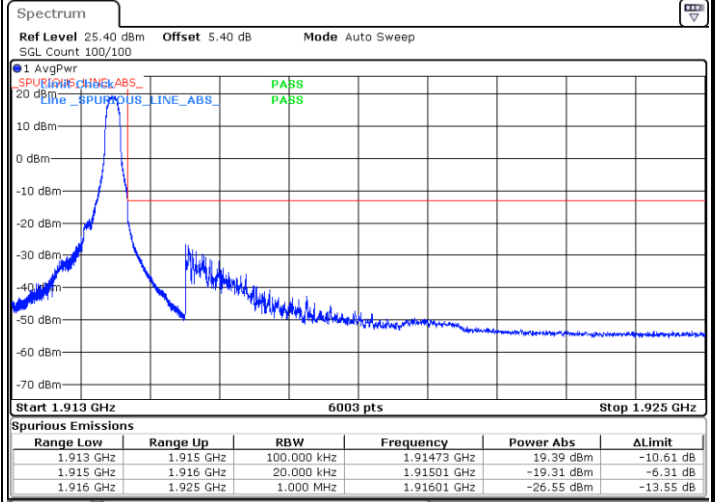
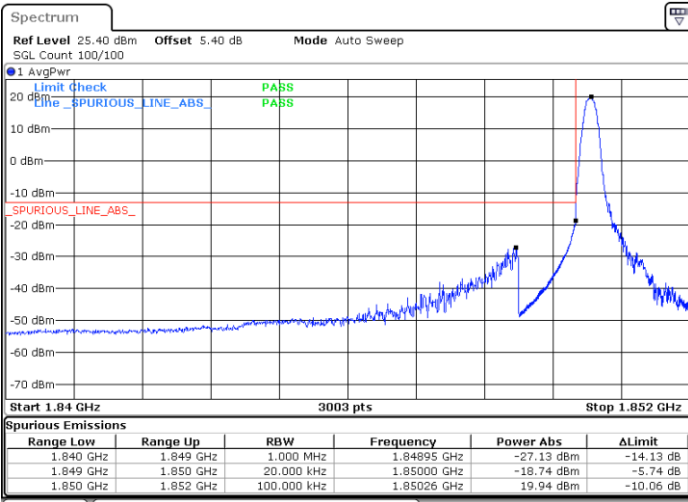




LTE Band 25 / 1.4MHz / 16QAM

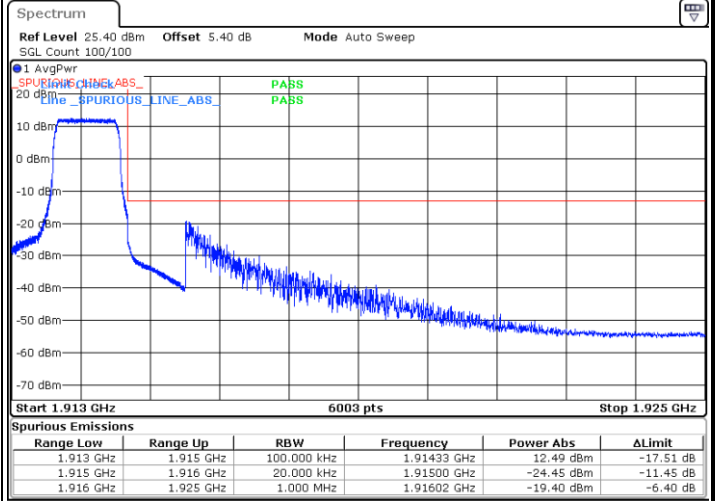
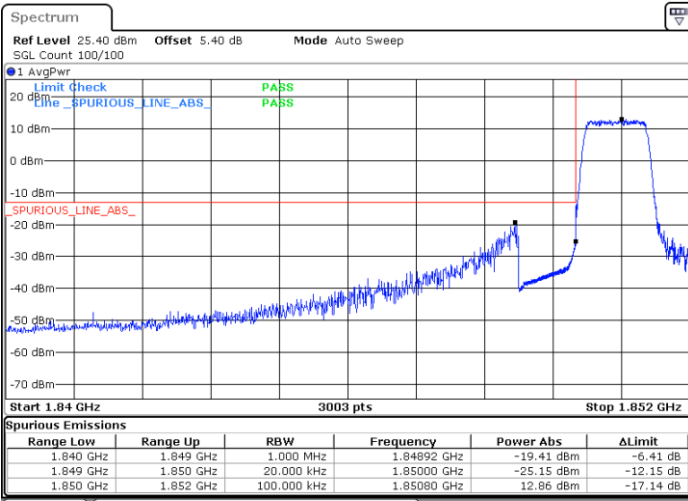
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

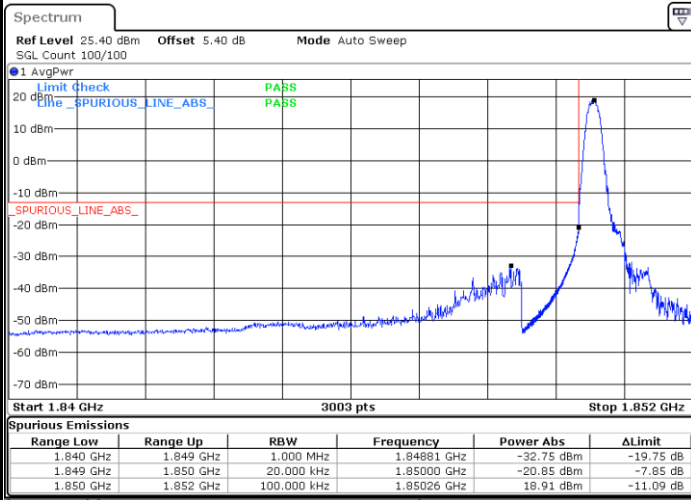
Highest Band Edge / Full RB



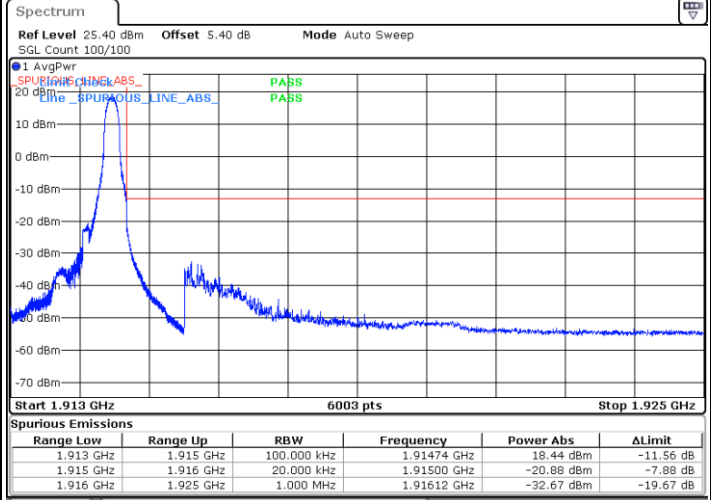


LTE Band 25 / 1.4MHz / 64QAM

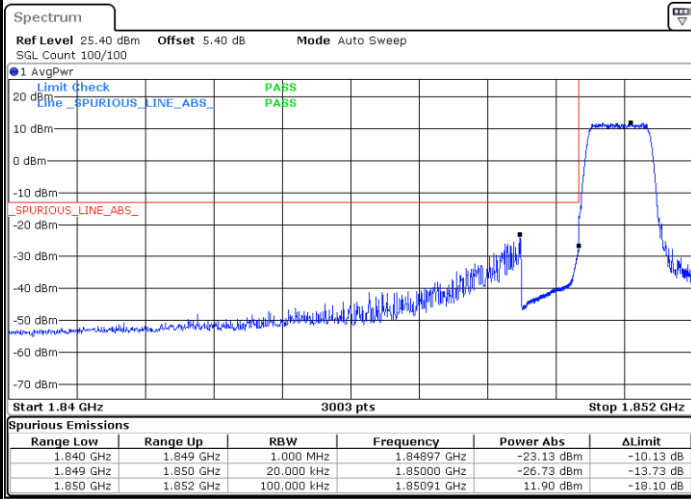
Lowest Band Edge / 1 RB



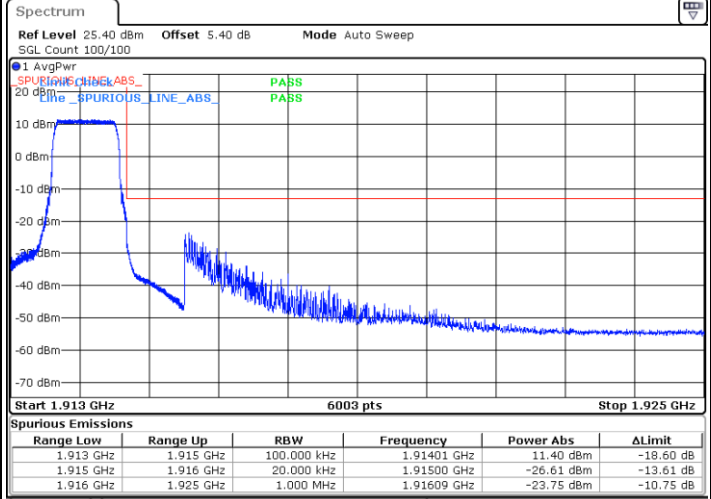
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

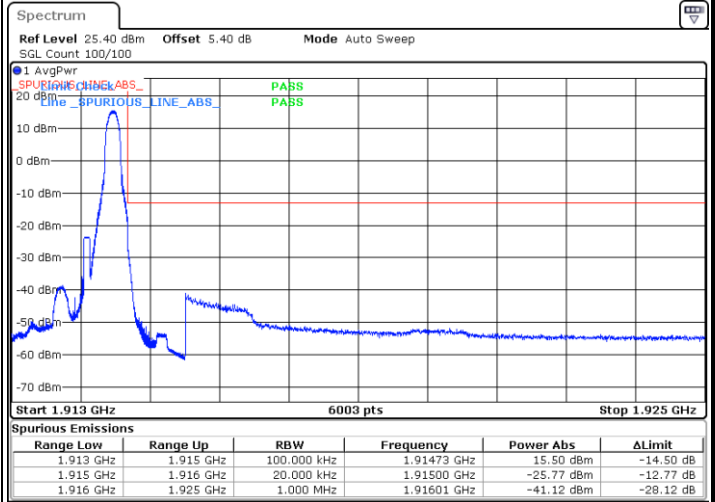
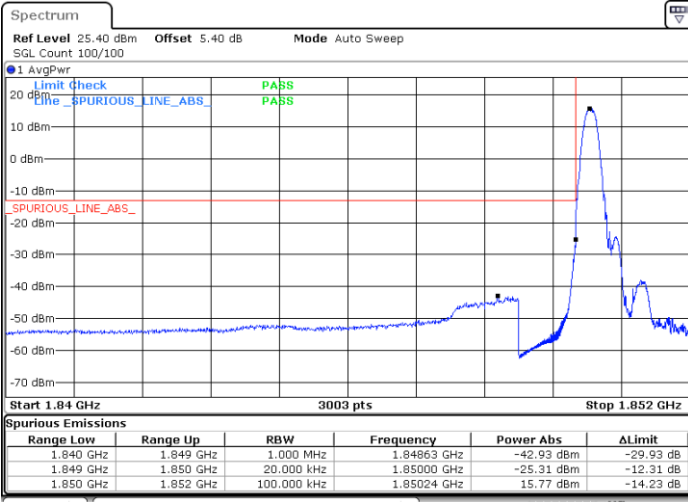




LTE Band 25 / 1.4MHz / 256QAM

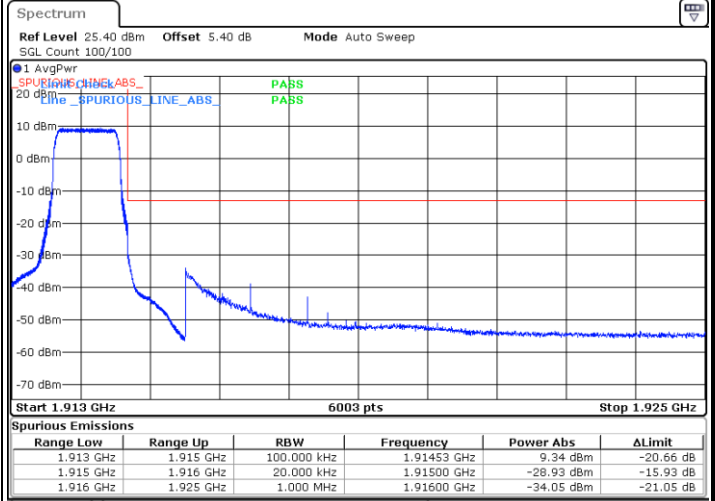
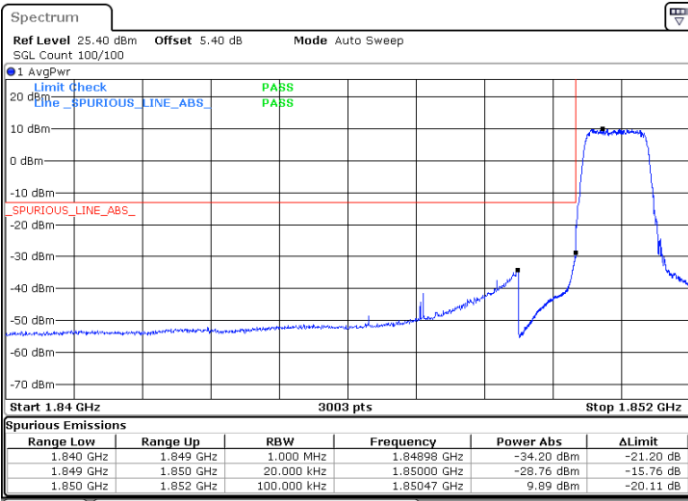
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

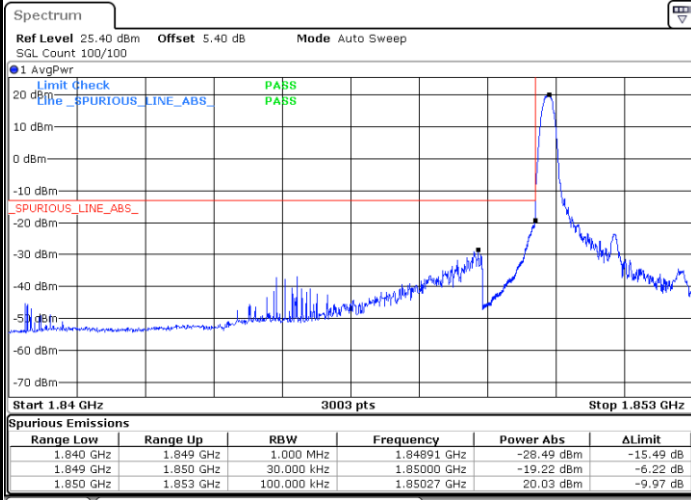
Highest Band Edge / Full RB



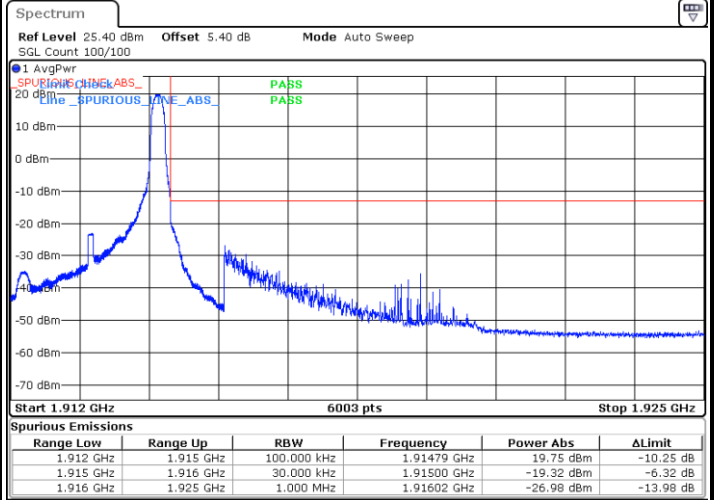


LTE Band 25 / 3MHz / QPSK

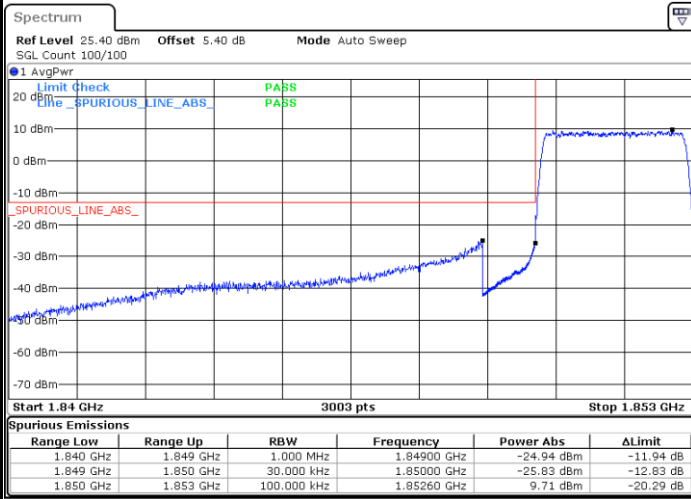
Lowest Band Edge / 1RB



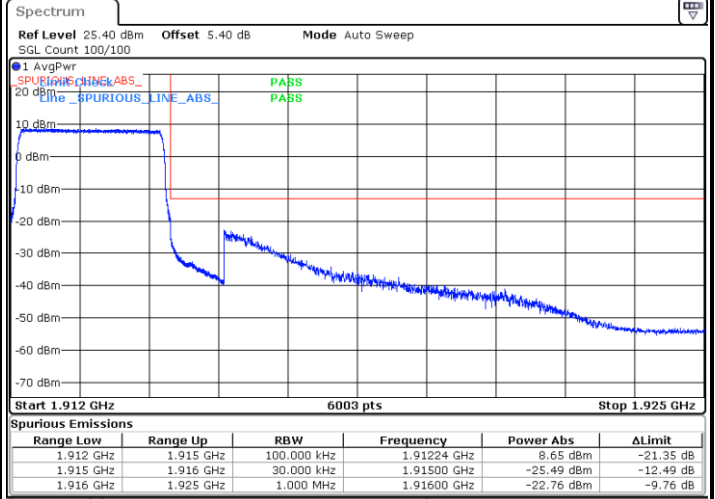
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



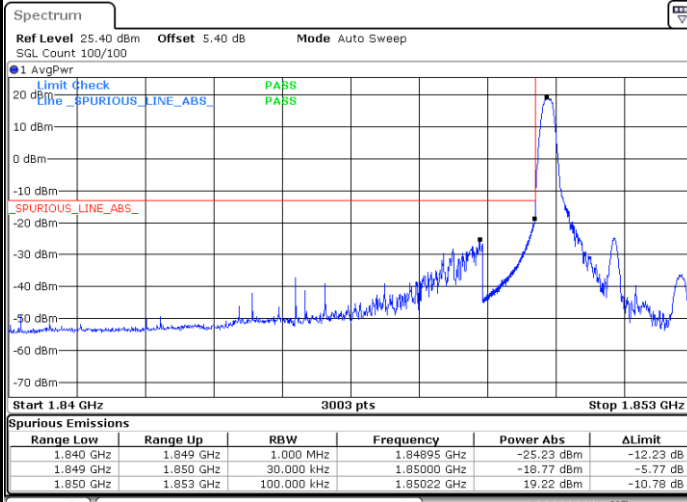
Highest Band Edge / Full RB



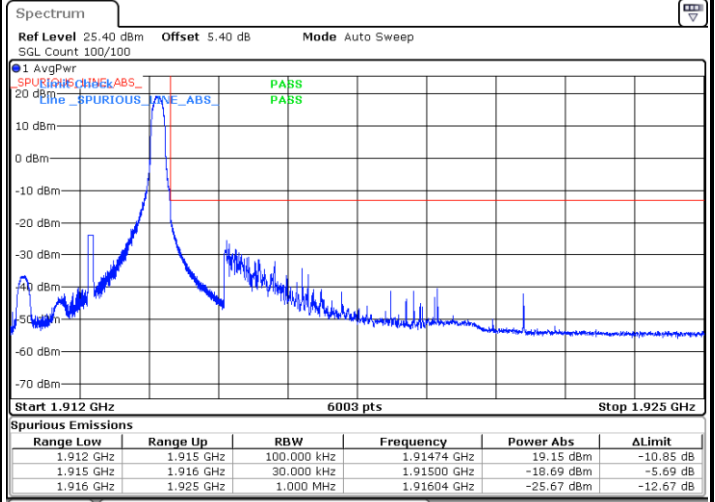


LTE Band 25 / 3MHz / 16QAM

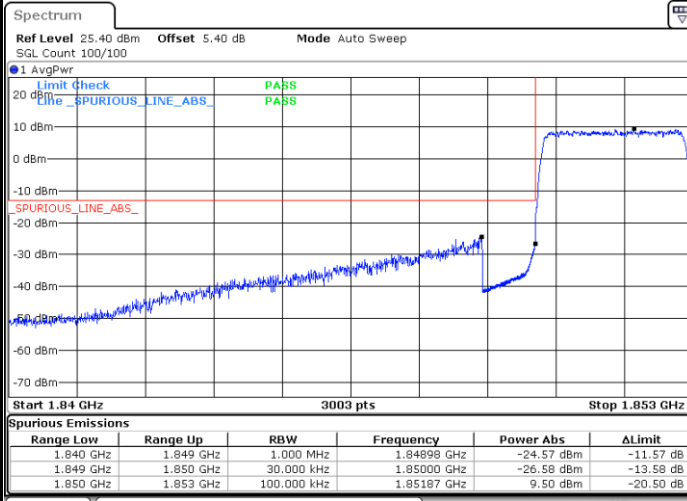
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

