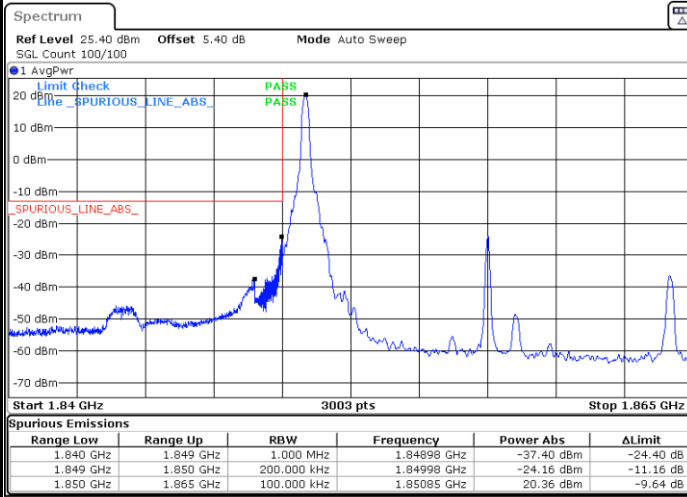




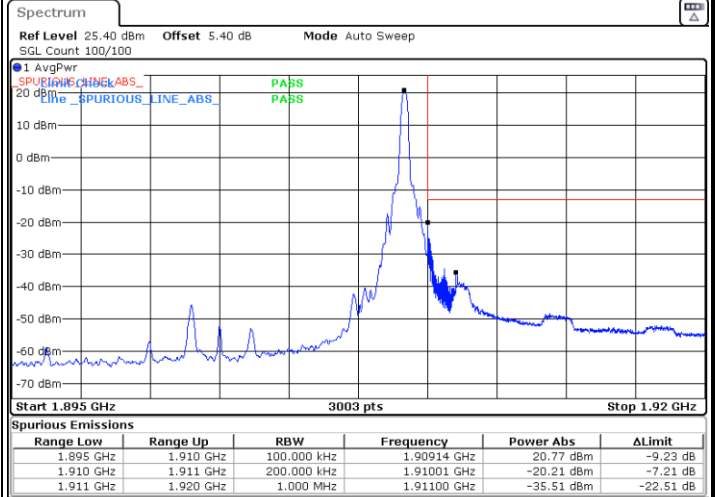
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



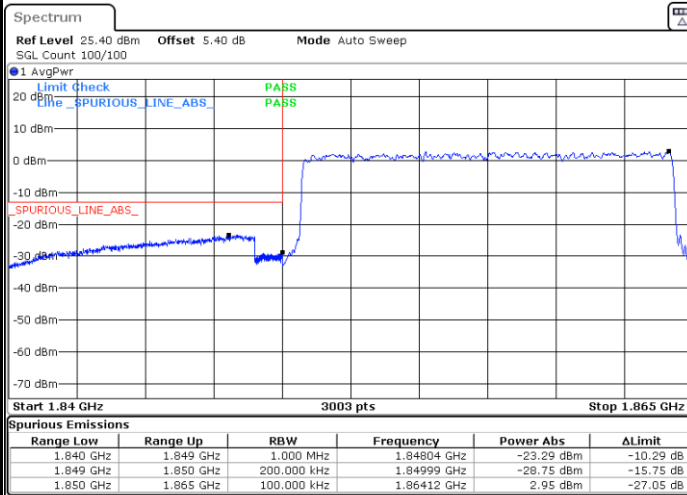
Date: 28.APR.2023 02:05:36

Highest Band Edge / 1 RB



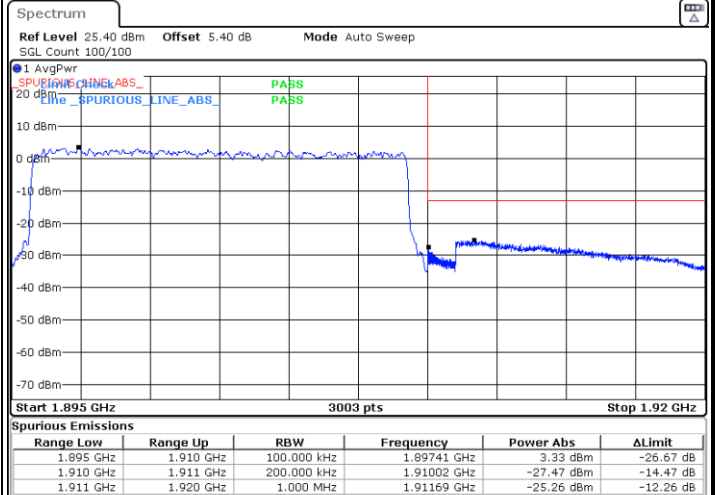
Date: 28.APR.2023 02:18:16

Lowest Band Edge / Full RB



Date: 28.APR.2023 02:08:37

Highest Band Edge / Full RB

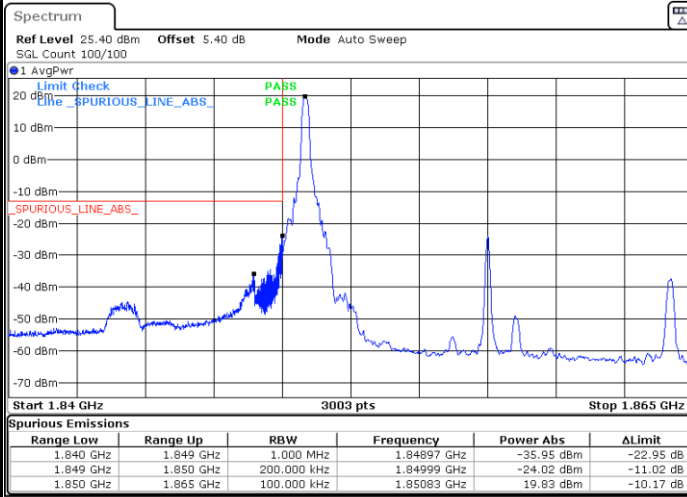


Date: 28.APR.2023 02:14:59



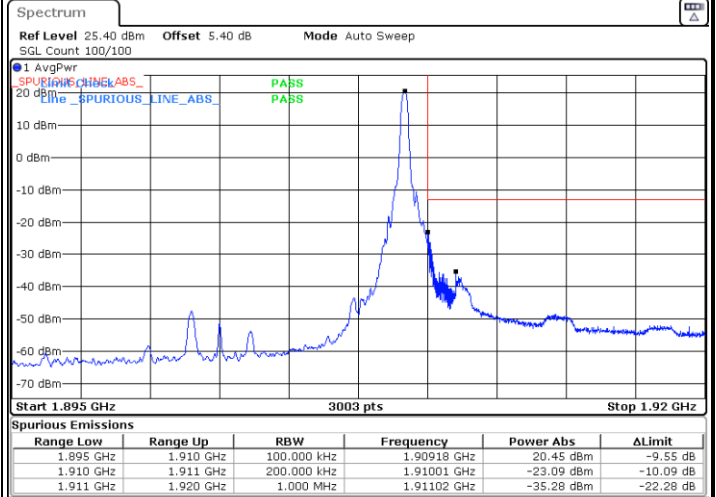
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



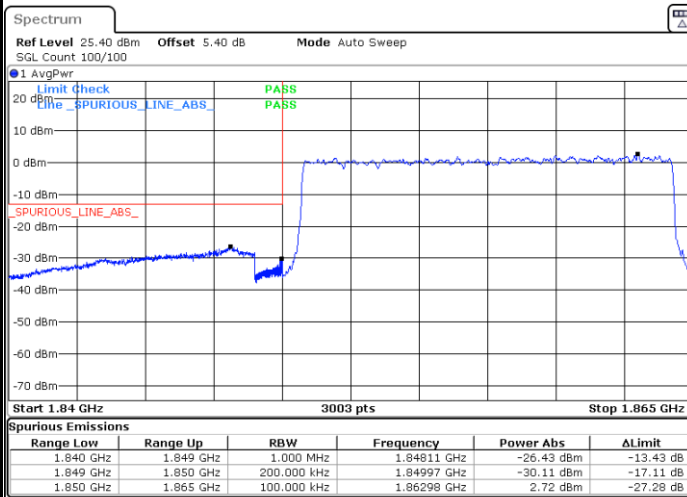
Date: 28.APR.2023 02:06:12

Highest Band Edge / 1 RB



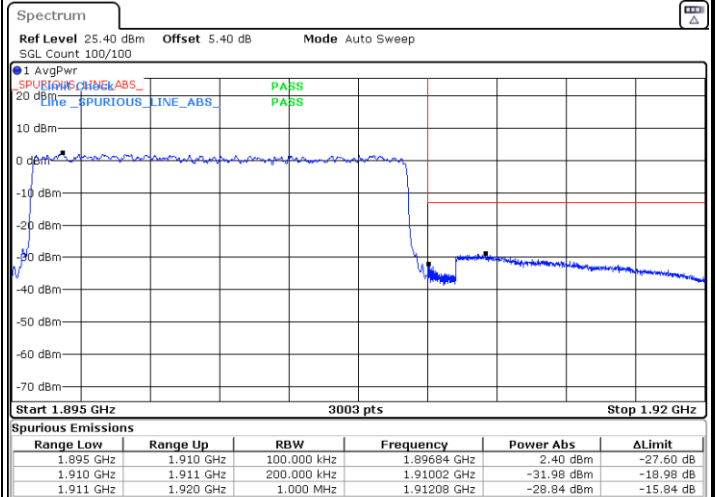
Date: 28.APR.2023 02:17:42

Lowest Band Edge / Full RB



Date: 28.APR.2023 02:08:13

Highest Band Edge / Full RB

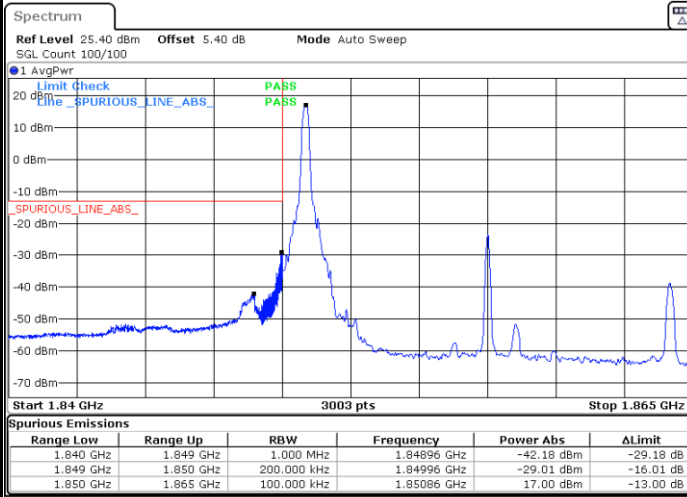


Date: 28.APR.2023 02:15:33



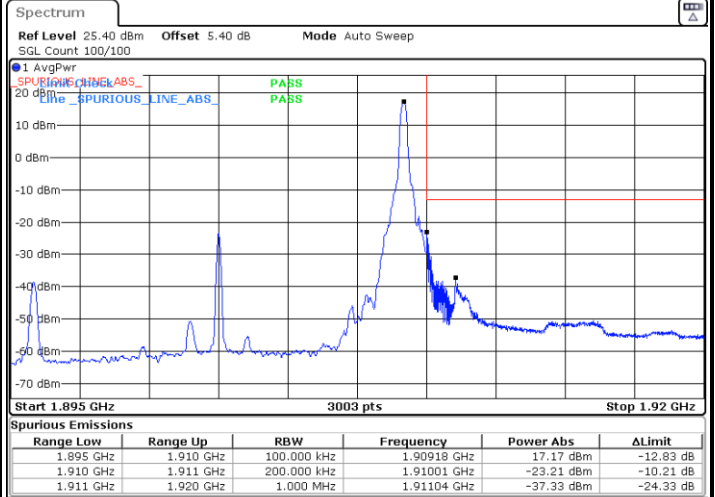
LTE Band 2 / 15MHz /256QAM

Lowest Band Edge / 1 RB



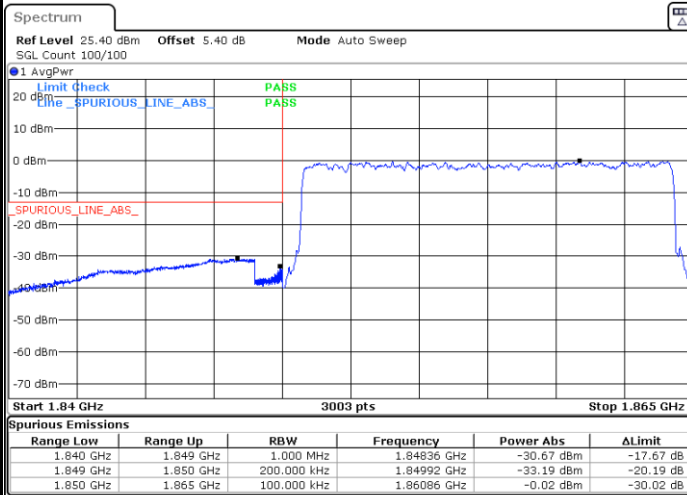
Date: 28.APR.2023 02:06:36

Highest Band Edge / 1 RB



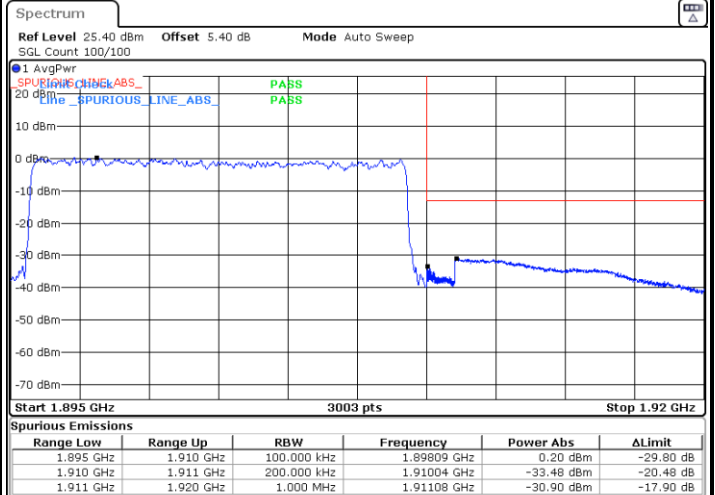
Date: 28.APR.2023 02:16:58

Lowest Band Edge / Full RB



Date: 28.APR.2023 02:07:20

Highest Band Edge / Full RB

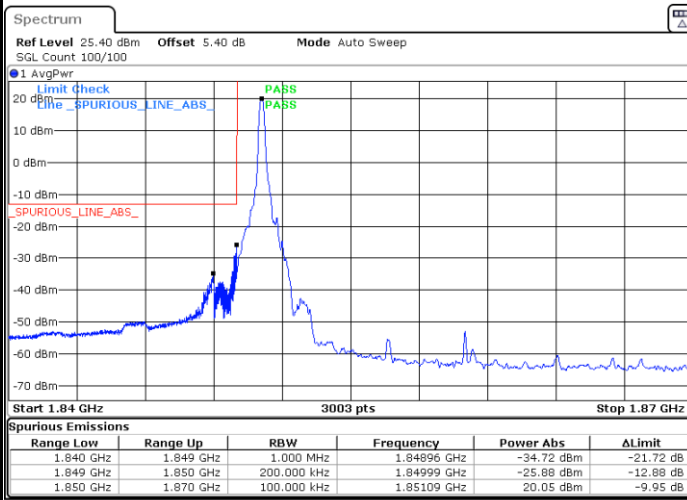


Date: 28.APR.2023 02:15:59



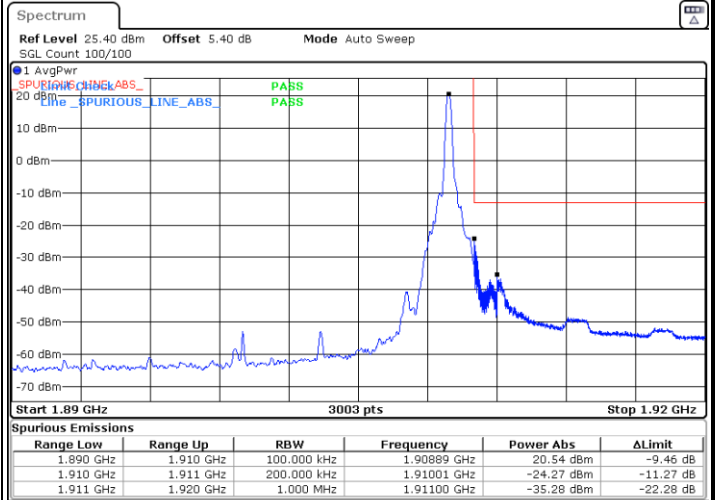
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



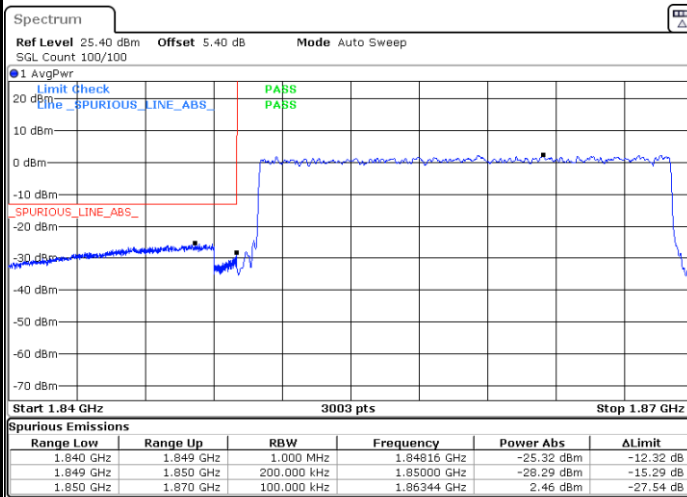
Date: 28.APR.2023 02:19:35

Highest Band Edge / 1 RB



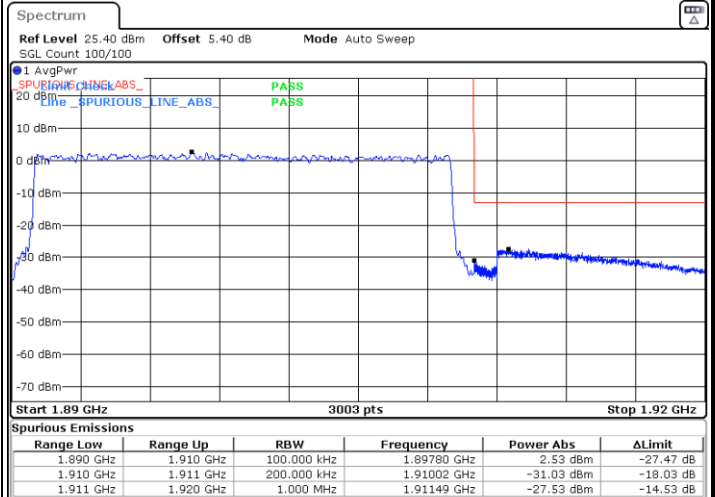
Date: 28.APR.2023 02:34:40

Lowest Band Edge / Full RB



Date: 28.APR.2023 02:24:07

Highest Band Edge / Full RB

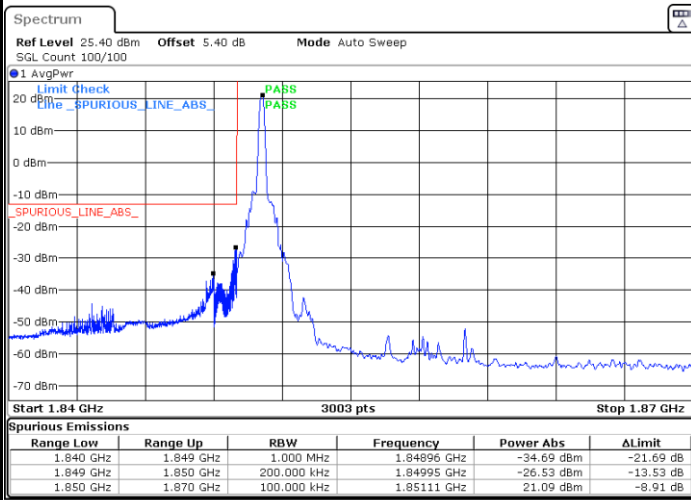


Date: 28.APR.2023 02:30:35

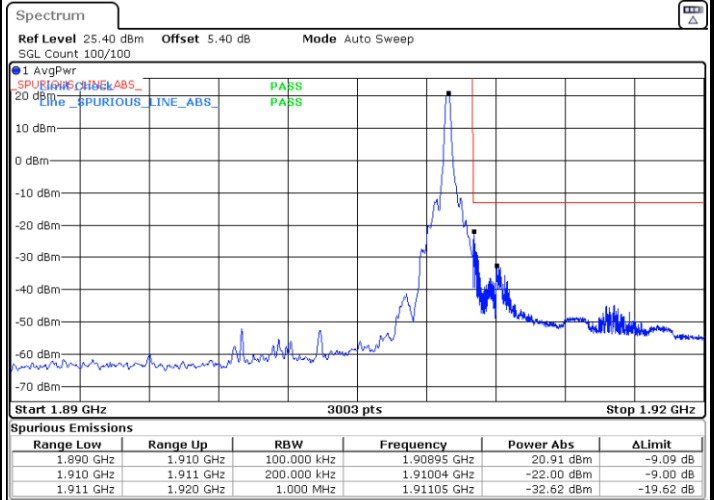


LTE Band 2 / 20MHz / 16QAM

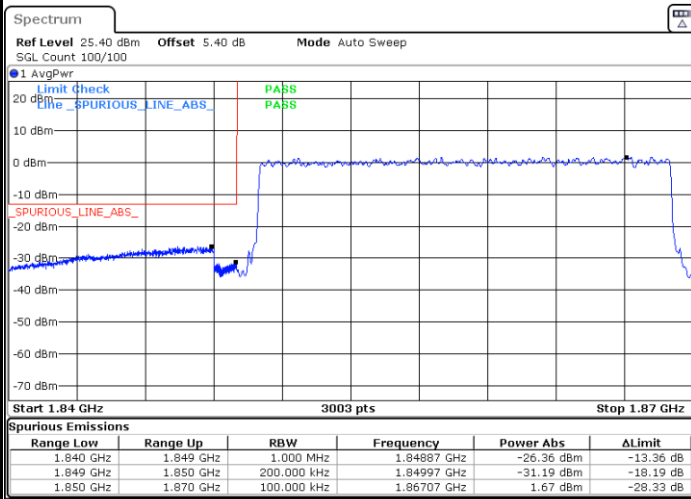
Lowest Band Edge / 1 RB



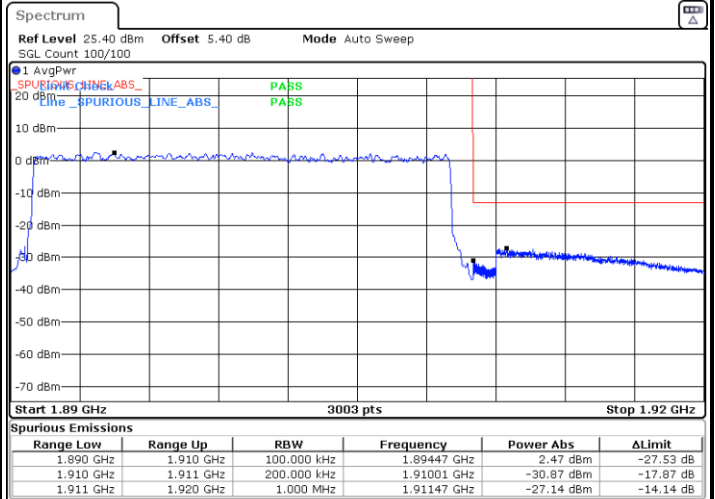
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



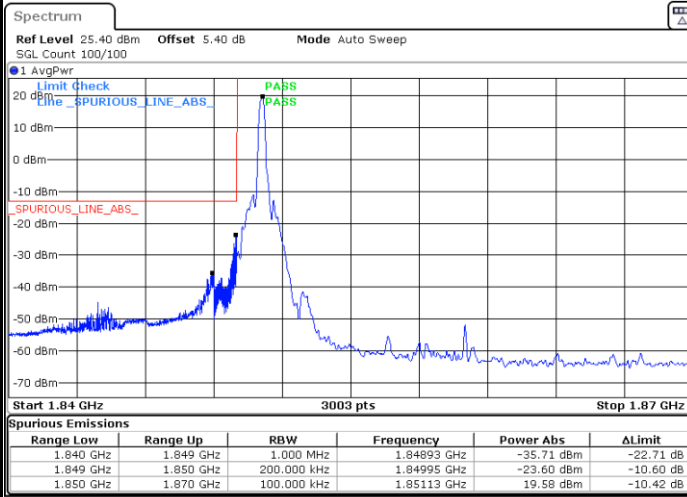
Highest Band Edge / Full RB





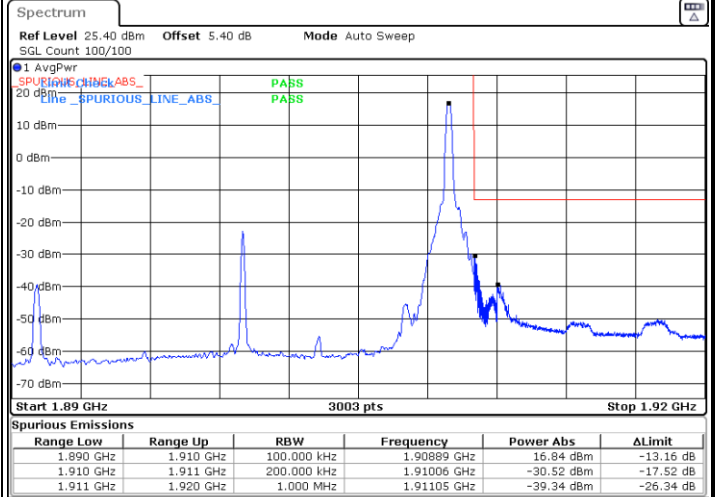
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



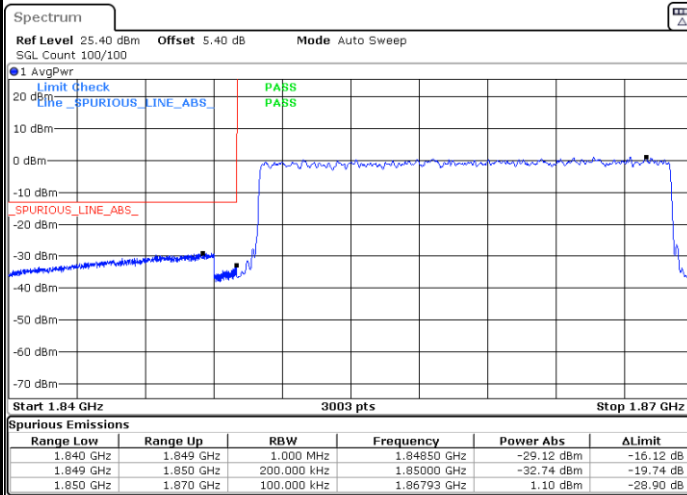
Date: 28.APR.2023 02:21:14

Highest Band Edge / 1 RB



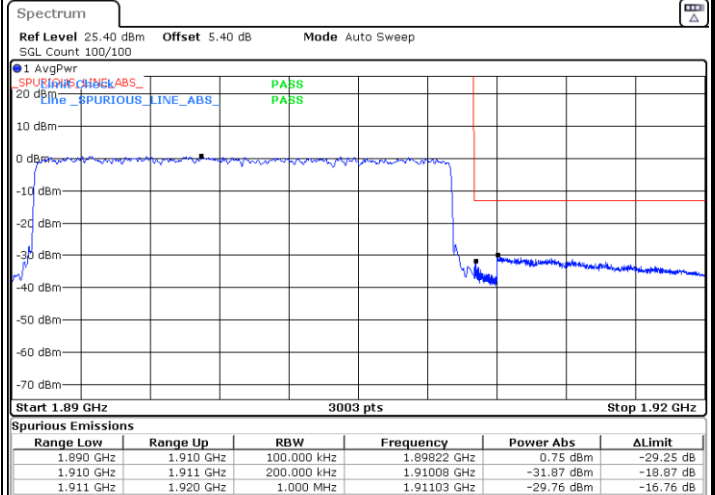
Date: 28.APR.2023 02:33:46

Lowest Band Edge / Full RB



Date: 28.APR.2023 02:23:10

Highest Band Edge / Full RB

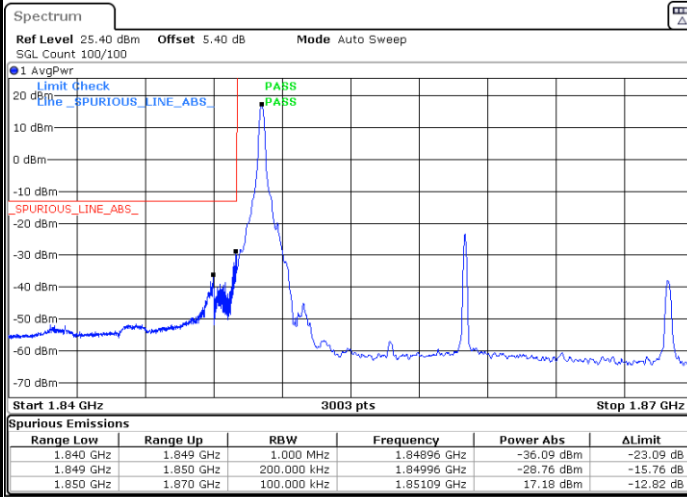


Date: 28.APR.2023 02:32:35



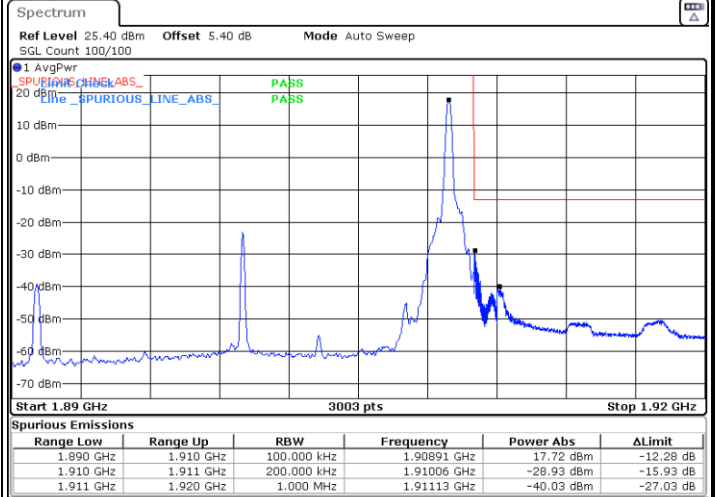
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



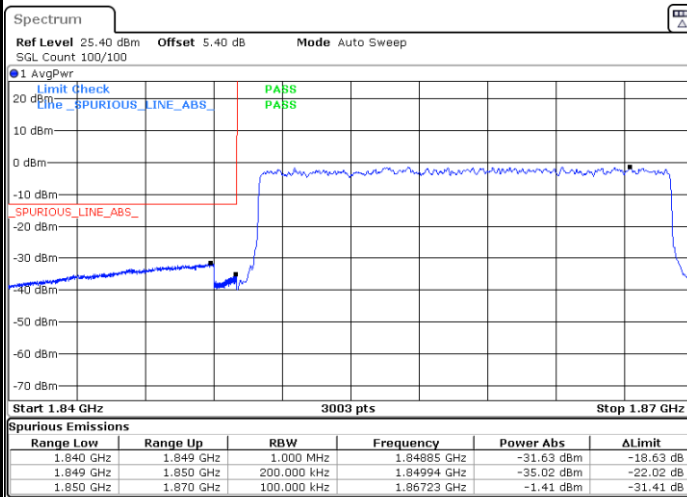
Date: 28.APR.2023 02:21:53

Highest Band Edge / 1 RB



Date: 28.APR.2023 02:33:25

Lowest Band Edge / Full RB



Date: 28.APR.2023 02:22:46

Highest Band Edge / Full RB



Date: 28.APR.2023 02:32:59

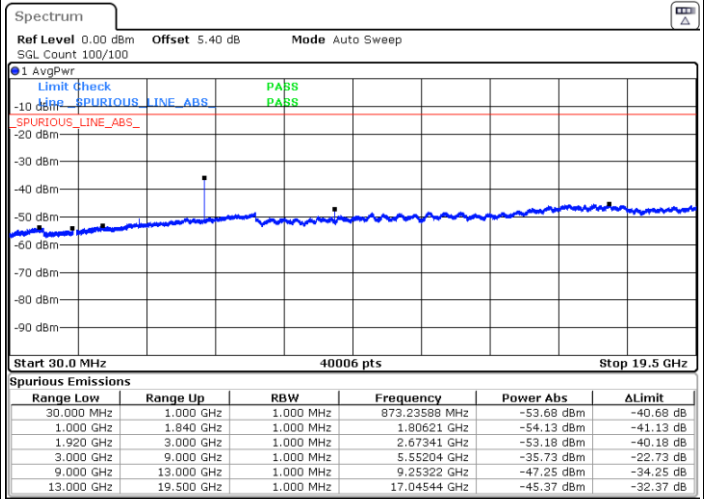
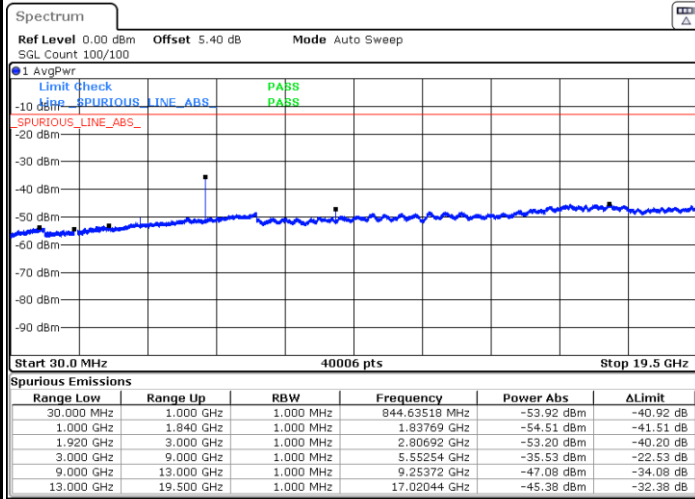


Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

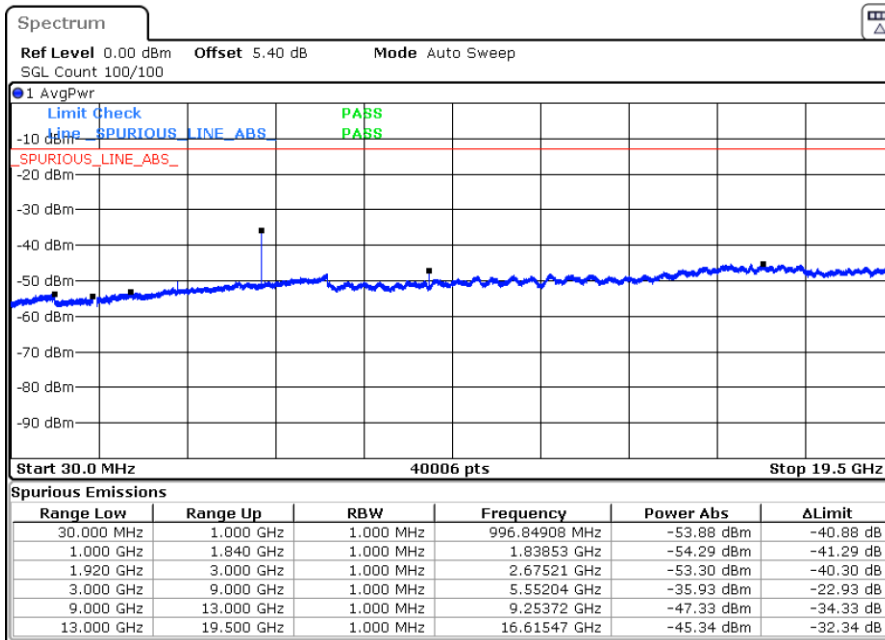
Middle Channel / QPSK



Date: 28.APR.2023 00:50:36

Date: 28.APR.2023 01:12:18

Highest Channel / QPSK



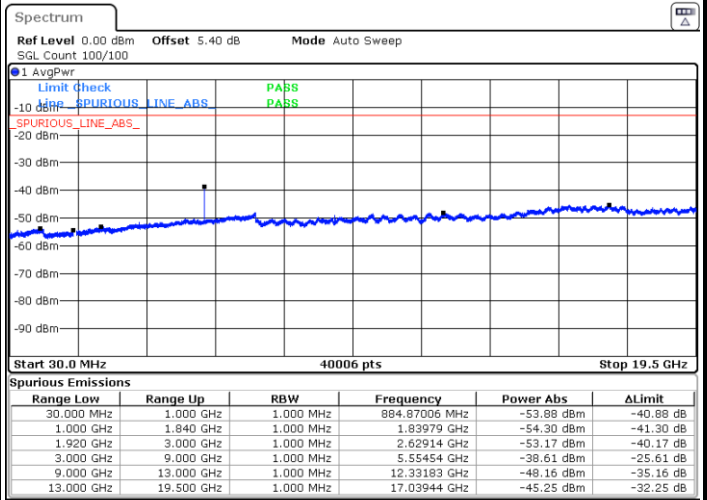
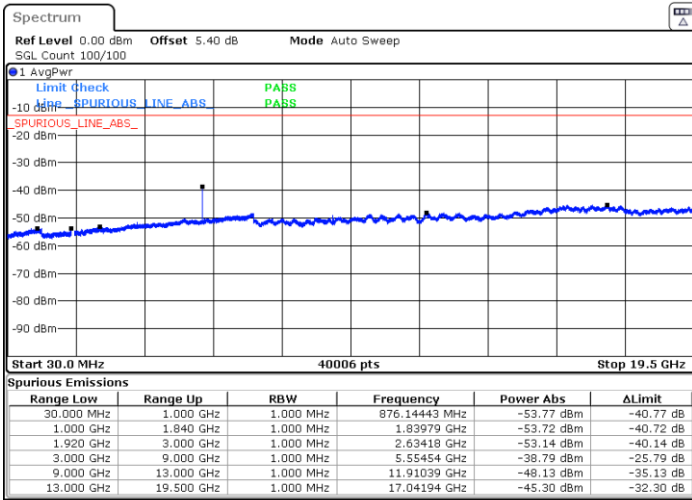
Date: 28.APR.2023 01:13:23



LTE Band 2 / 3MHz

Lowest Channel / QPSK

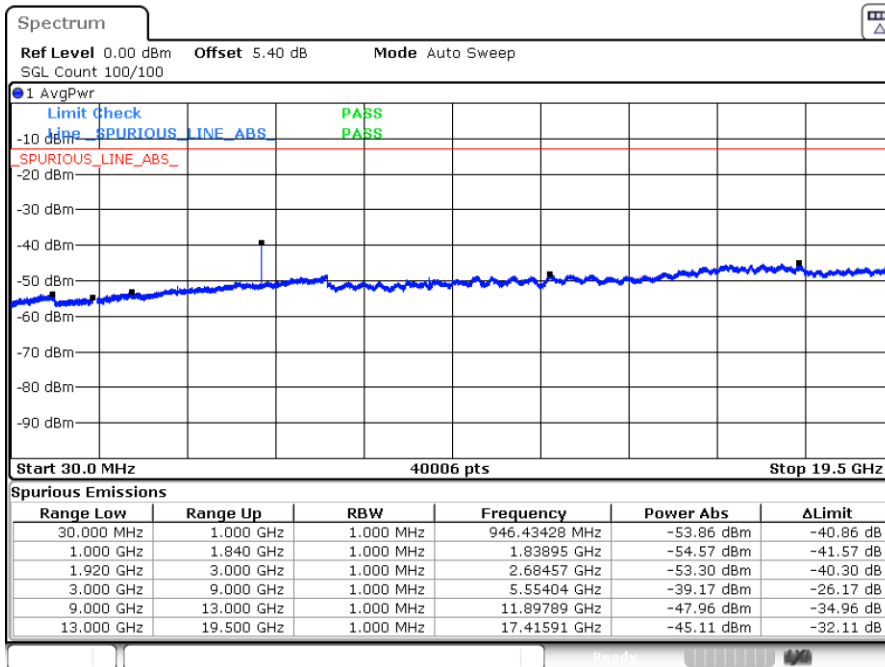
Middle Channel / QPSK



Date: 28.APR.2023 01:26:36

Date: 28.APR.2023 01:27:41

Highest Channel / QPSK



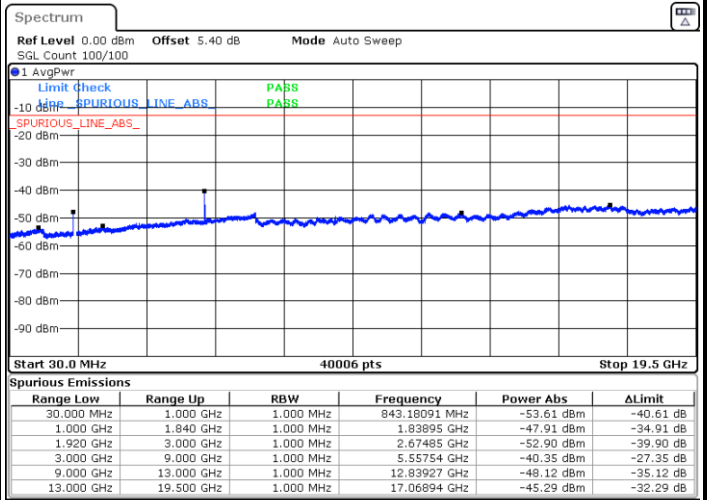
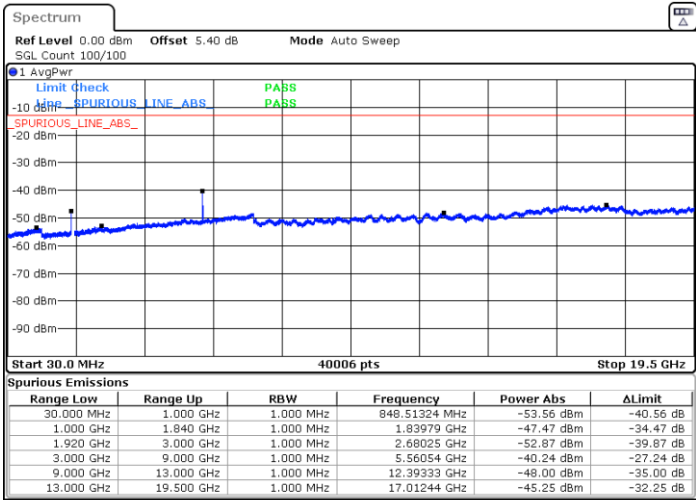
Date: 28.APR.2023 01:28:44



LTE Band 2 / 5MHz

Lowest Channel / QPSK

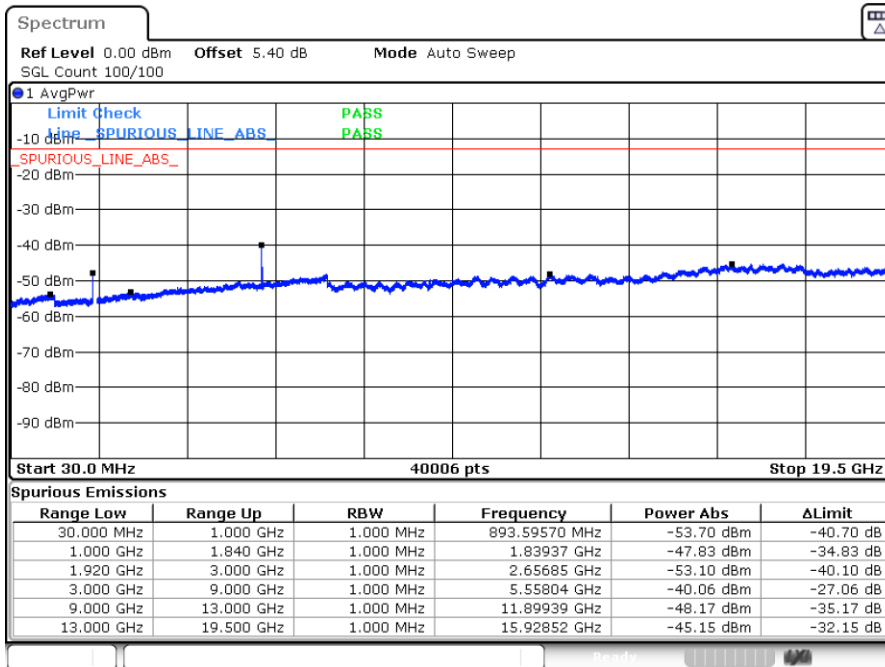
Middle Channel / QPSK



Date: 28.APR.2023 01:41:31

Date: 28.APR.2023 01:42:34

Highest Channel / QPSK



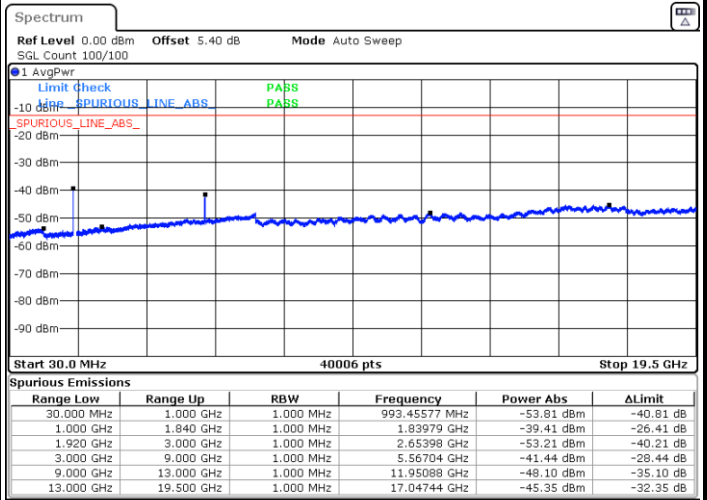
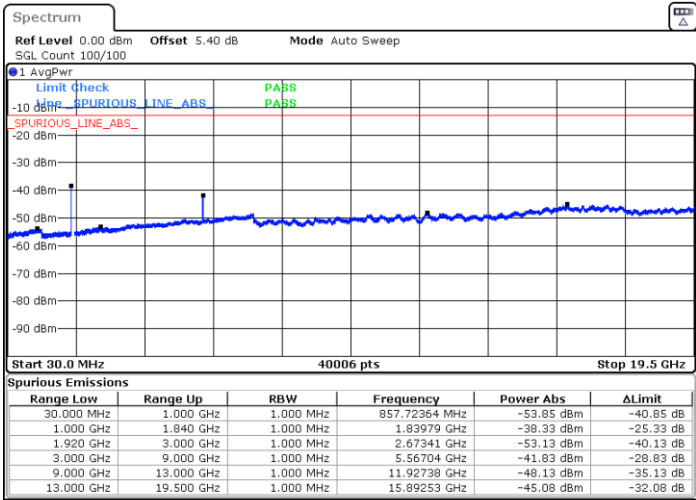
Date: 28.APR.2023 01:43:45



LTE Band 2 / 10MHz

Lowest Channel / QPSK

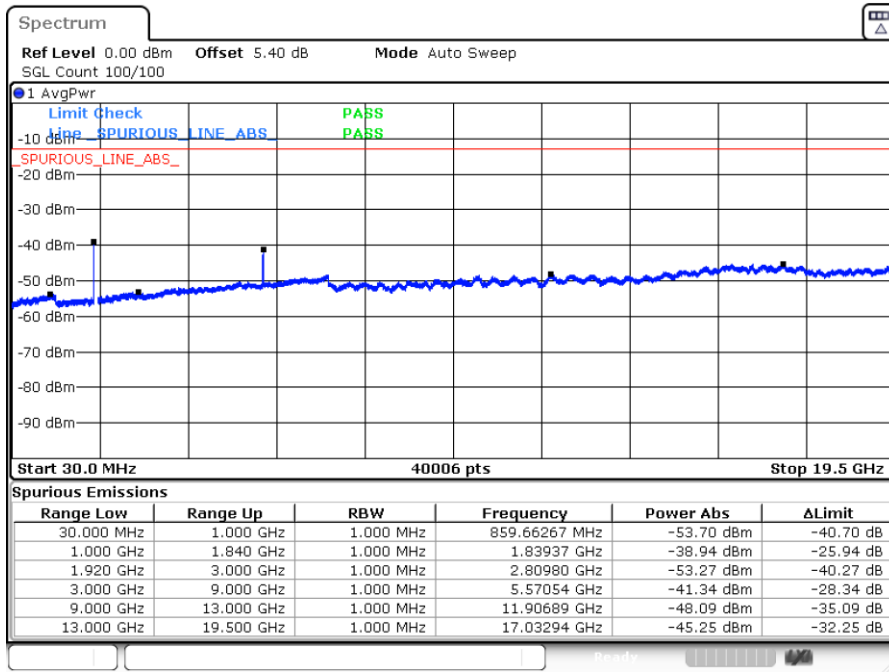
Middle Channel / QPSK



Date: 28.APR.2023 01:55:47

Date: 28.APR.2023 01:57:04

Highest Channel / QPSK



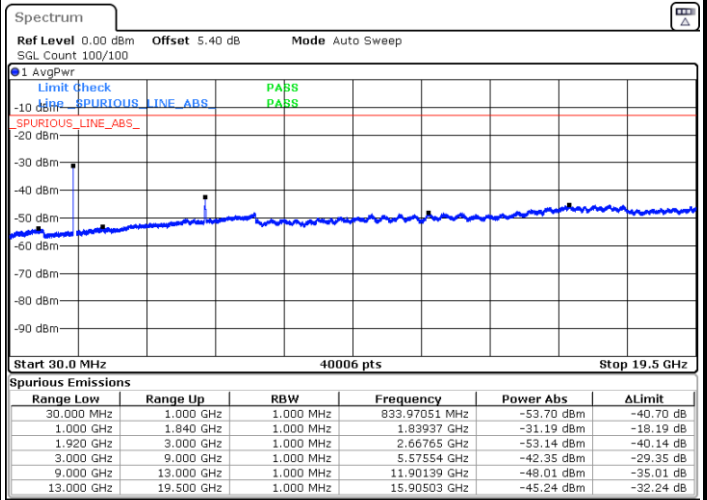
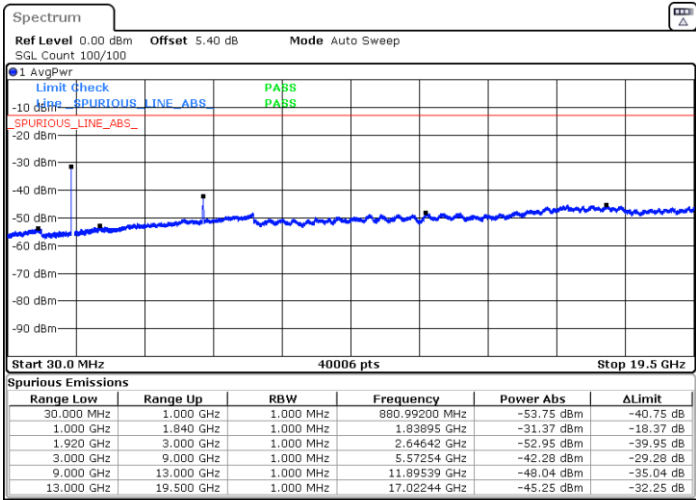
Date: 28.APR.2023 01:58:11



LTE Band 2 / 15MHz

Lowest Channel / QPSK

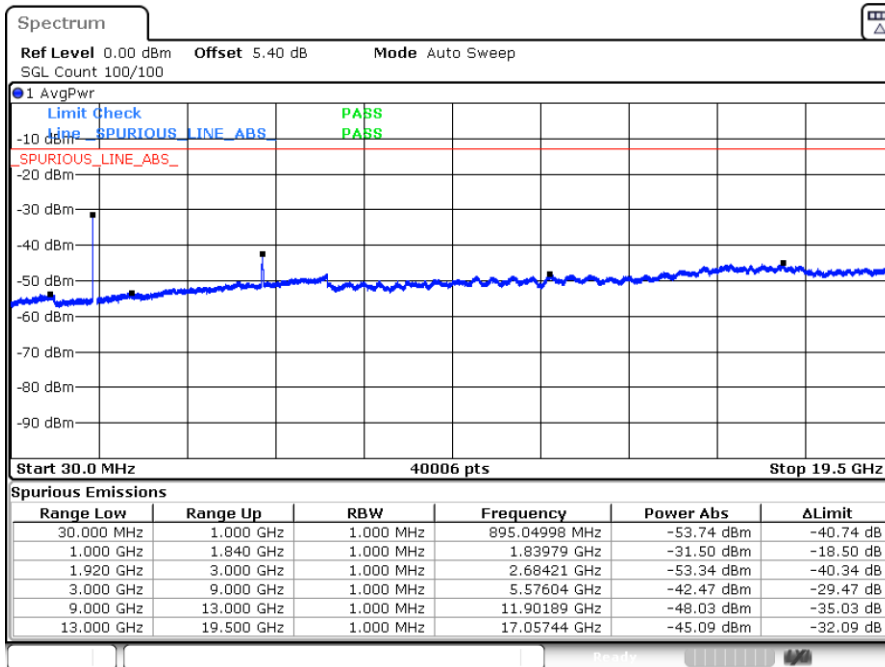
Middle Channel / QPSK



Date: 28.APR.2023 02:10:11

Date: 28.APR.2023 02:11:16

Highest Channel / QPSK



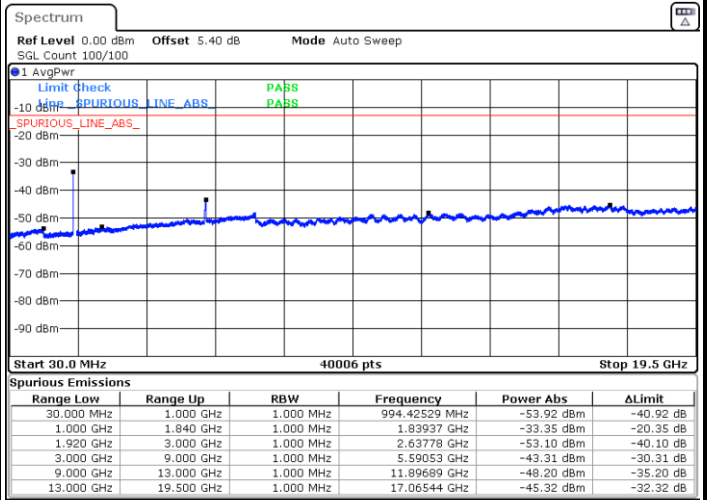
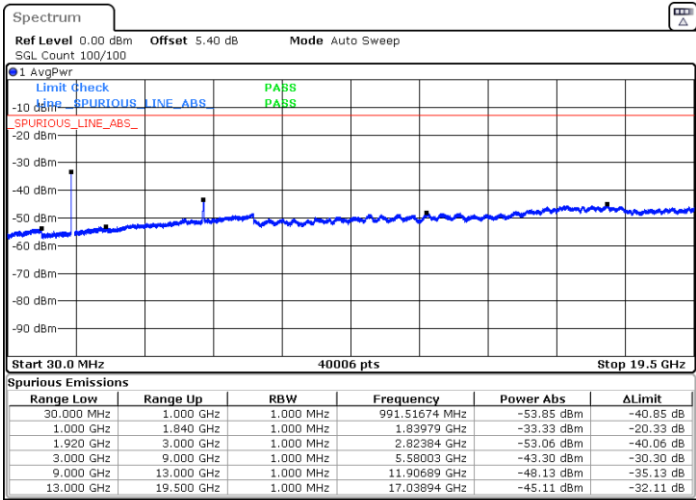
Date: 28.APR.2023 02:12:20



LTE Band 2 / 20MHz

Lowest Channel / QPSK

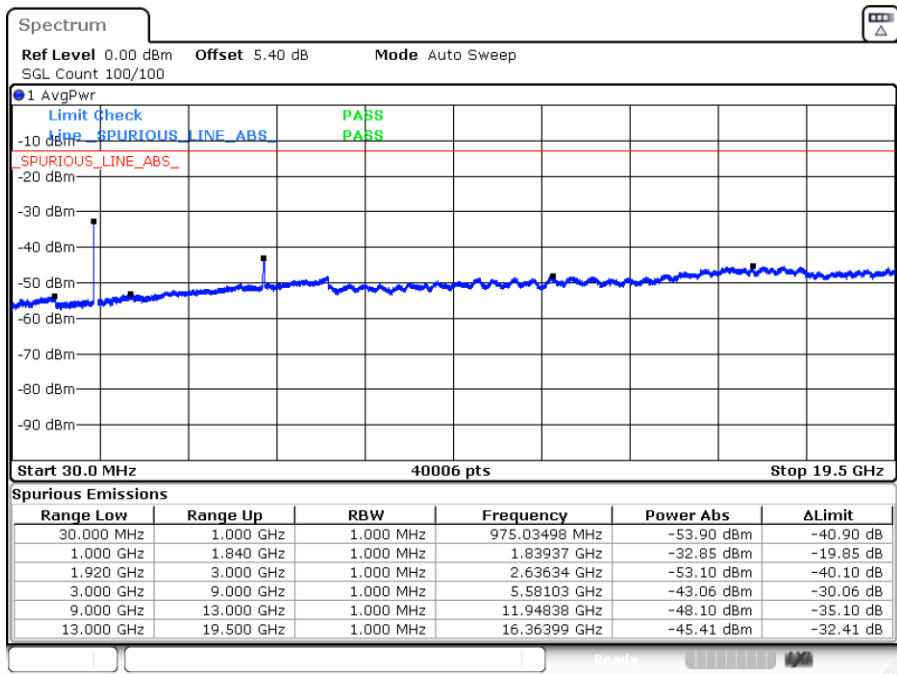
Middle Channel / QPSK



Date: 28.APR.2023 02:25:32

Date: 28.APR.2023 02:26:35

Highest Channel / QPSK



Date: 28.APR.2023 02:28:39



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 | 0.0030 | PASS |
| 40 | Normal Voltage | 0.0037 | |
| 30 | Normal Voltage | 0.0024 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0021 | |
| 0 | Normal Voltage | 0.0001 | |
| -10 | Normal Voltage | 0.0031 | |
| -20 | Normal Voltage | 0.0028 | |
| -30 | Normal Voltage | 0.0045 | |
| 20 | Maximum Voltage | 0.0049 | |
| 20 | Normal Voltage | 0.0030 | |
| 20 | Battery End Point | 0.0021 | |

Note:

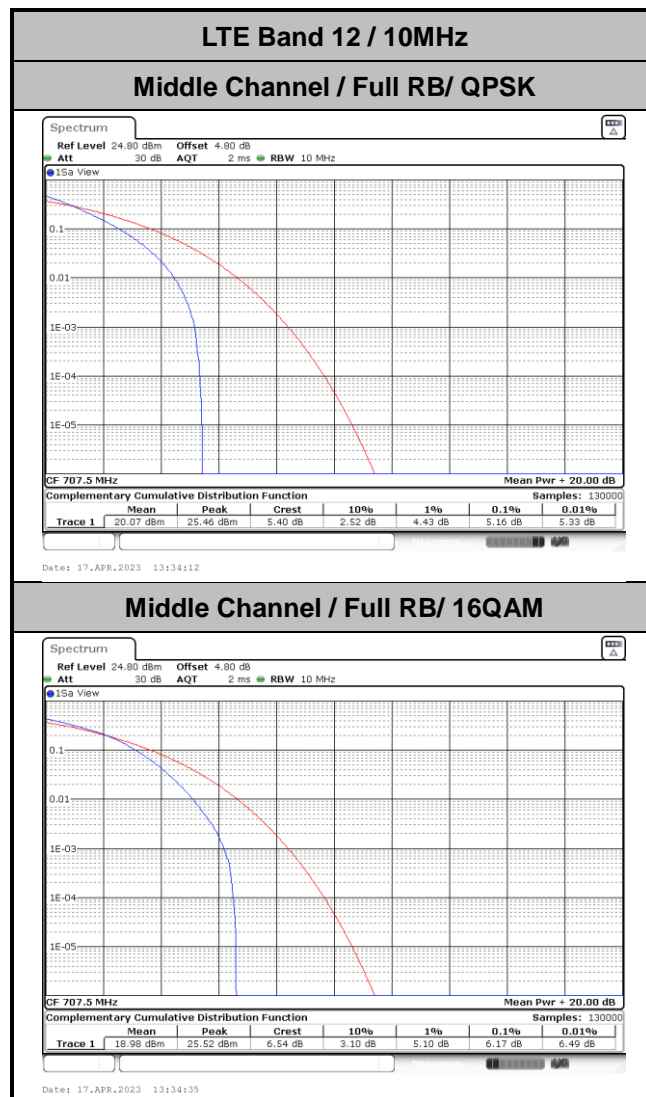
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

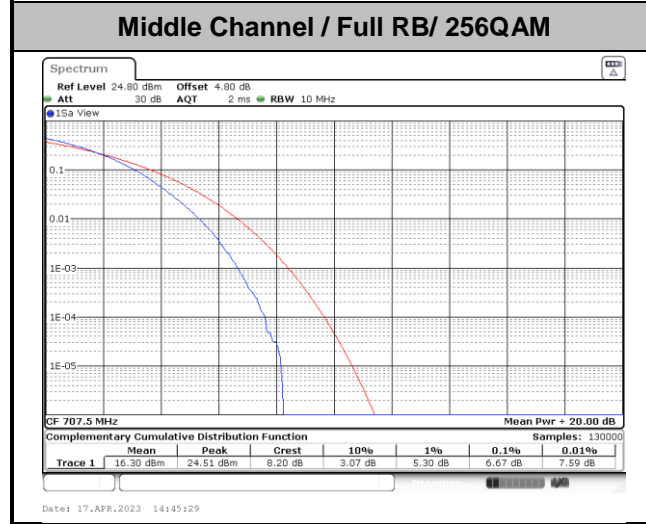
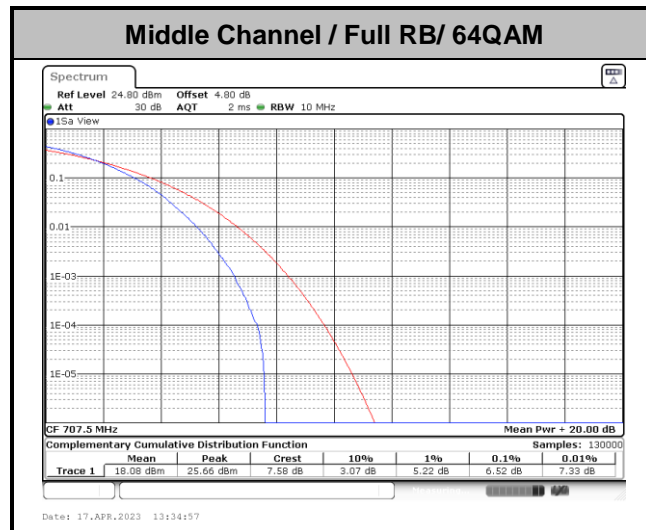


LTE Band 12

Peak-to-Average Ratio

| Mode | LTE Band 12 / 10MHz | | | | |
|-----------|---------------------|---------|---------|---------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Full RB | Result |
| Middle CH | 5.16 | 6.17 | 6.52 | 6.67 | PASS |

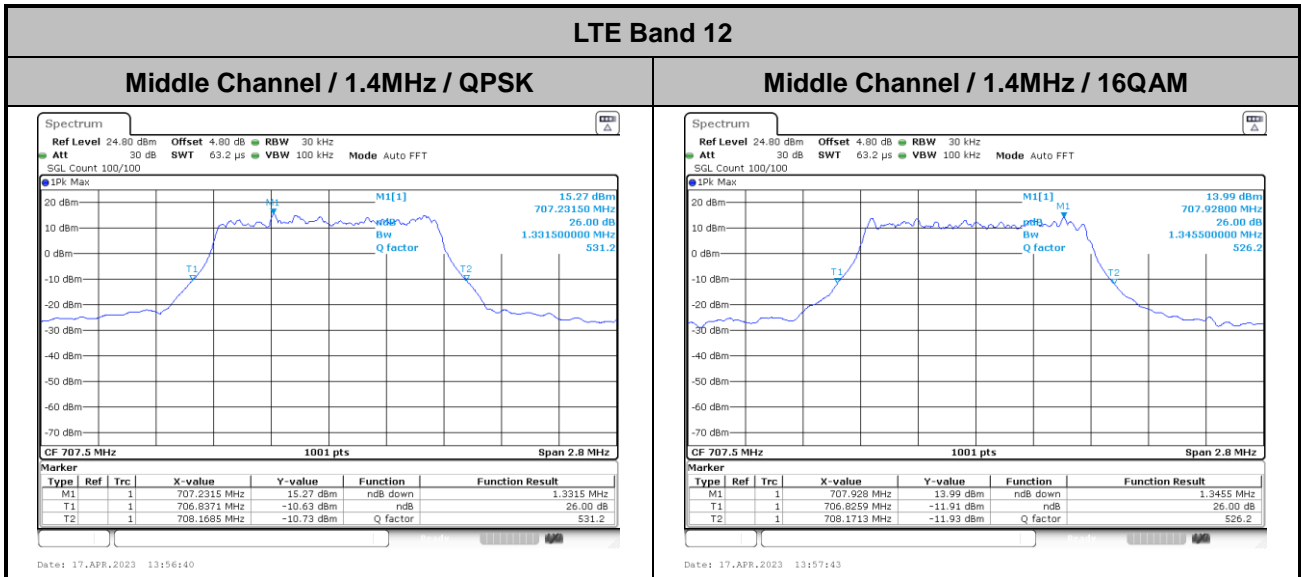






26dB Bandwidth

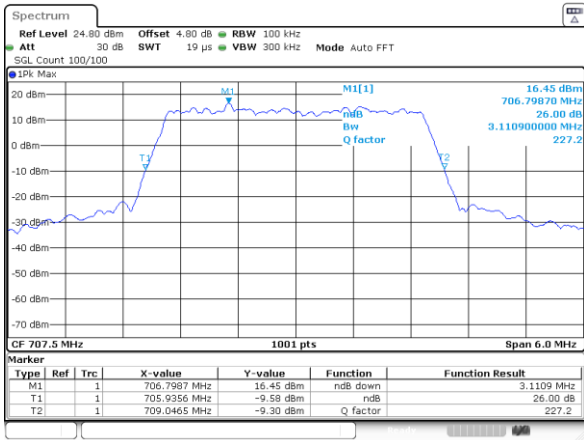
| Mode | LTE Band 12 : 26dB BW(MHz) | |
|-----------|----------------------------|-------|
| BW | 1.4MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 1.33 | 1.35 |
| BW | 3MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 3.11 | 3.10 |
| BW | 5MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 5.09 | 4.93 |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 9.85 | 9.85 |





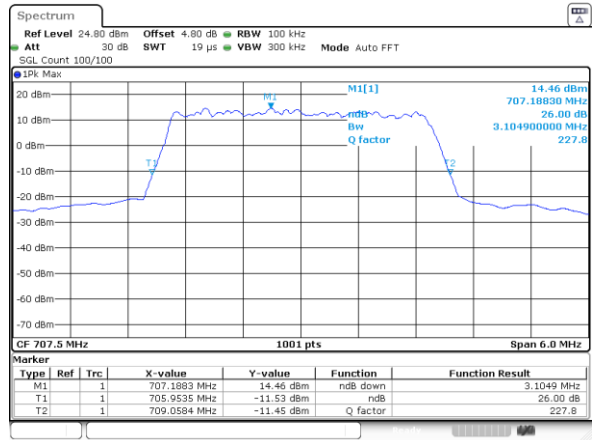
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 17_APR_2023 13:58:04

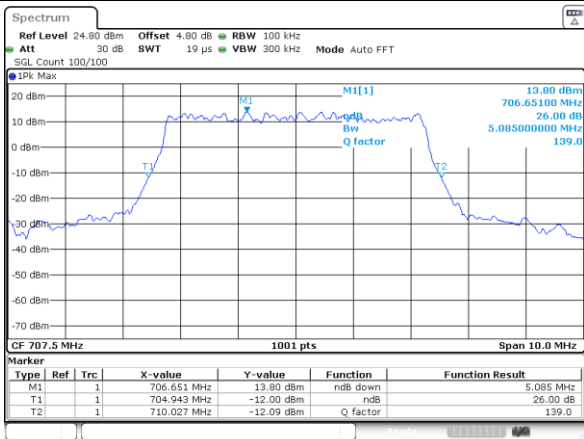
Middle Channel / 3MHz / 16QAM



Date: 17_APR_2023 13:59:07

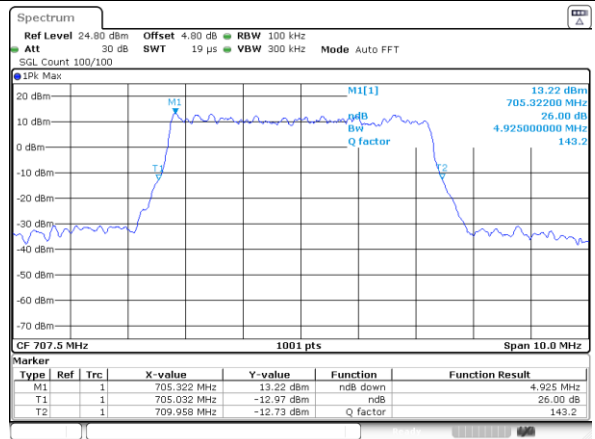
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 17_APR_2023 13:59:29

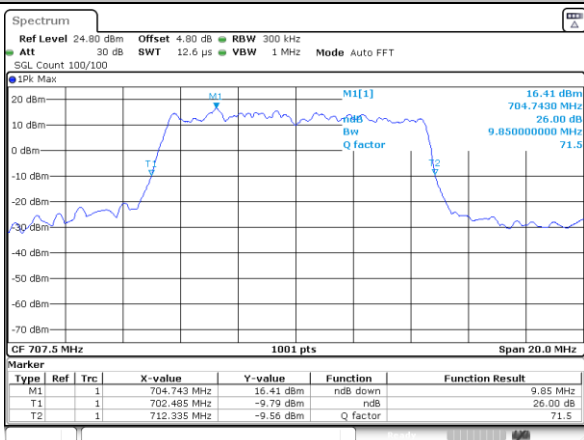
Middle Channel / 5MHz / 16QAM



Date: 17_APR_2023 14:00:32

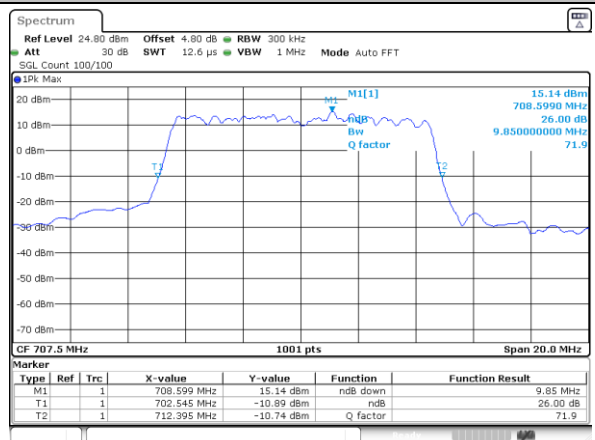
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 17_APR_2023 13:36:00

Middle Channel / 10MHz / 16QAM

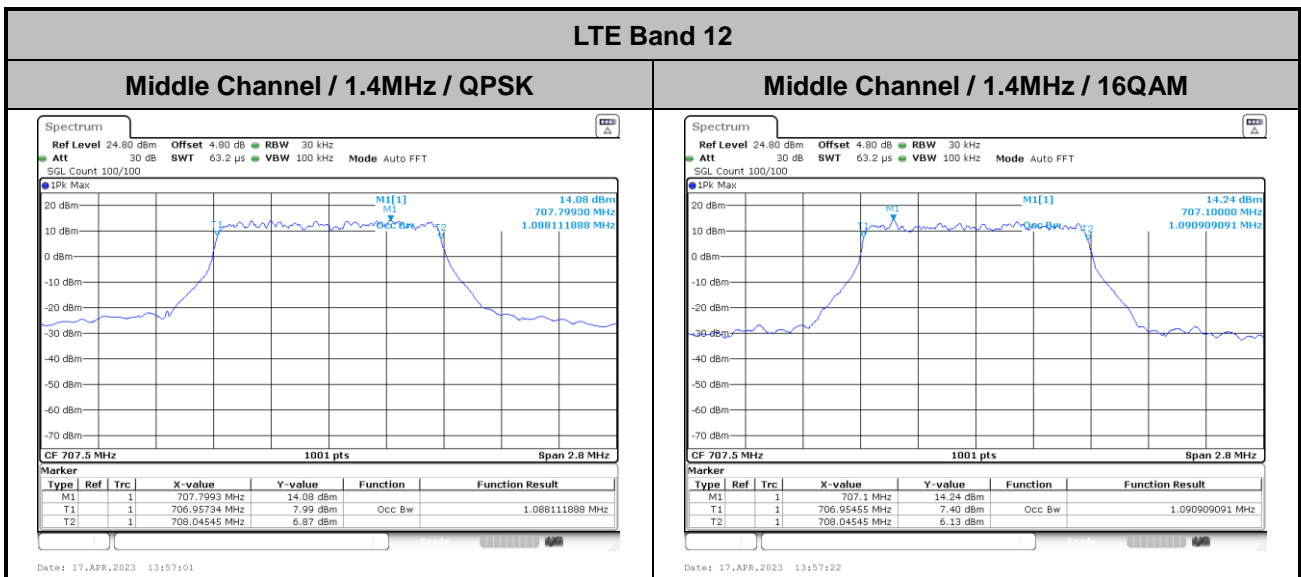


Date: 17_APR_2023 13:36:21



Occupied Bandwidth

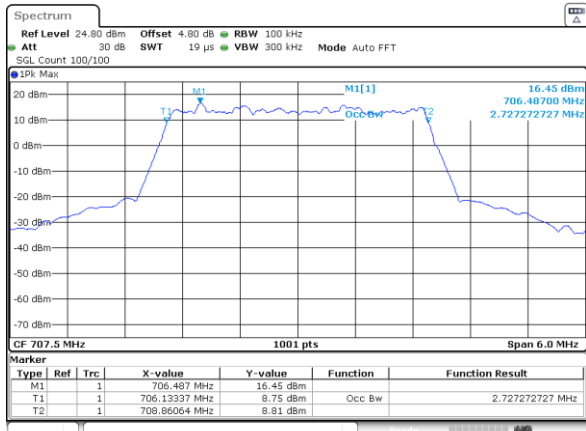
| Mode | LTE Band 12 : 99%OBW(MHz) | |
|-----------|---------------------------|-------|
| BW | 1.4MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 1.09 | 1.09 |
| BW | 3MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 2.73 | 2.78 |
| BW | 5MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 4.50 | 4.51 |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 9.01 | 9.07 |





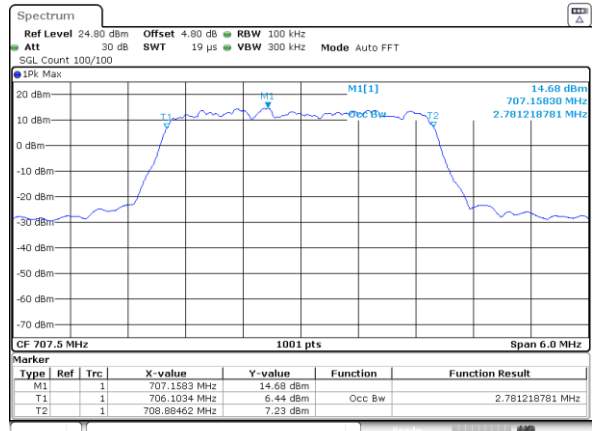
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 17.APR.2023 13:58:26

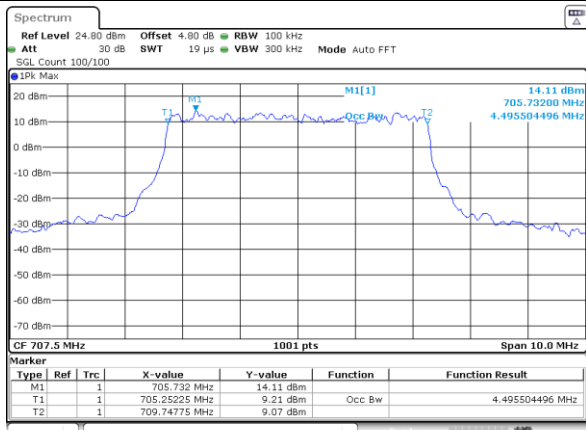
Middle Channel / 3MHz / 16QAM



Date: 17.APR.2023 13:58:46

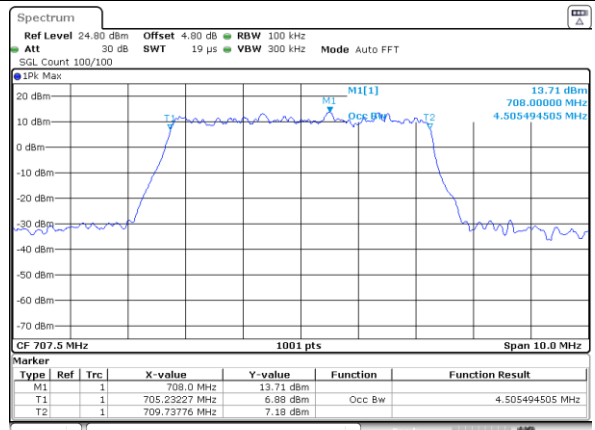
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 17.APR.2023 13:59:50

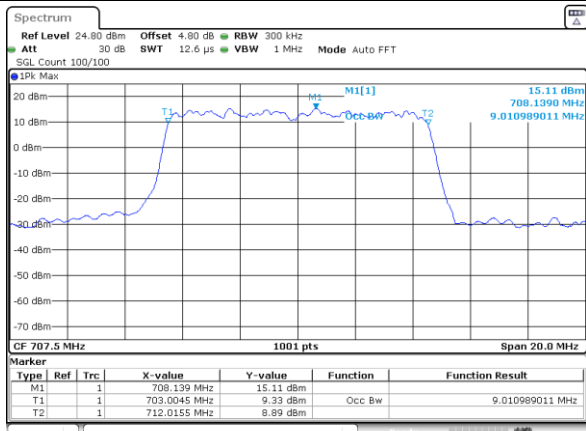
Middle Channel / 5MHz / 16QAM



Date: 17.APR.2023 14:00:11

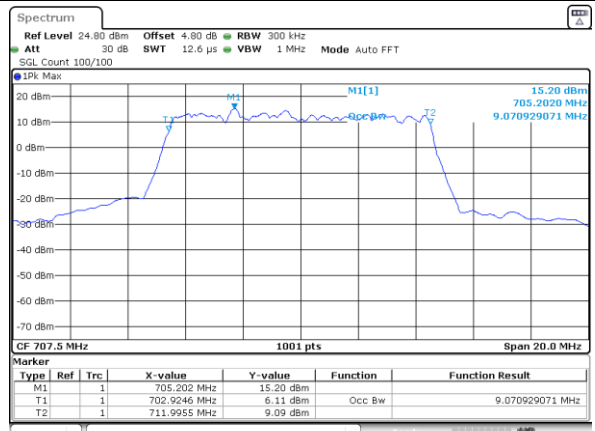
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 17.APR.2023 13:35:18

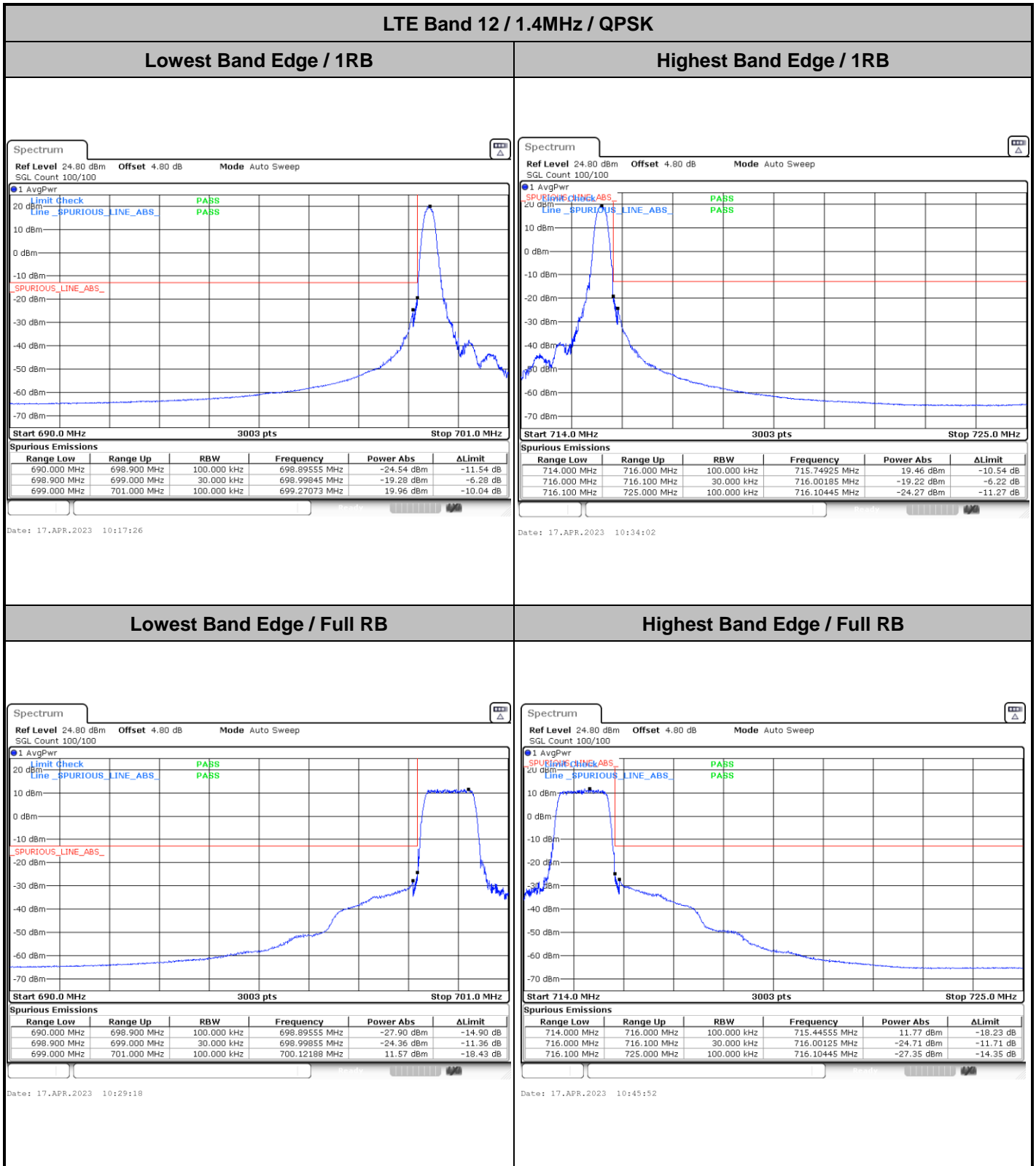
Middle Channel / 10MHz / 16QAM



Date: 17.APR.2023 13:35:19



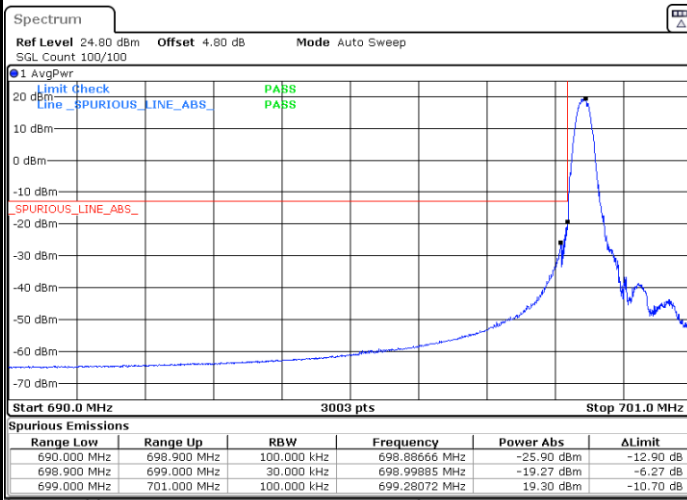
Conducted Band Edge





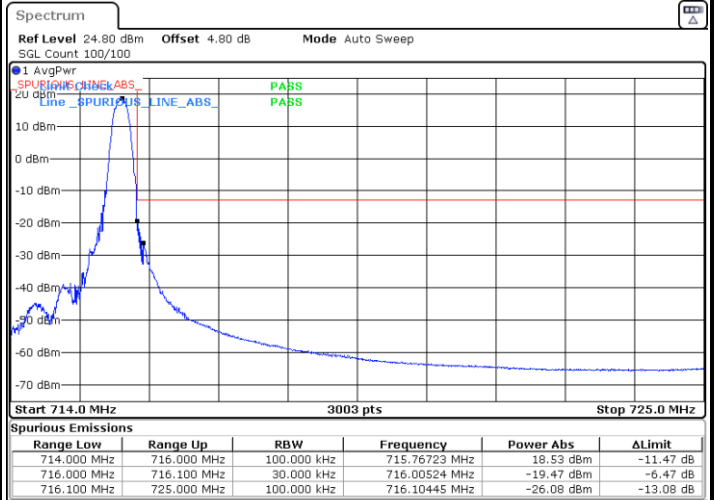
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



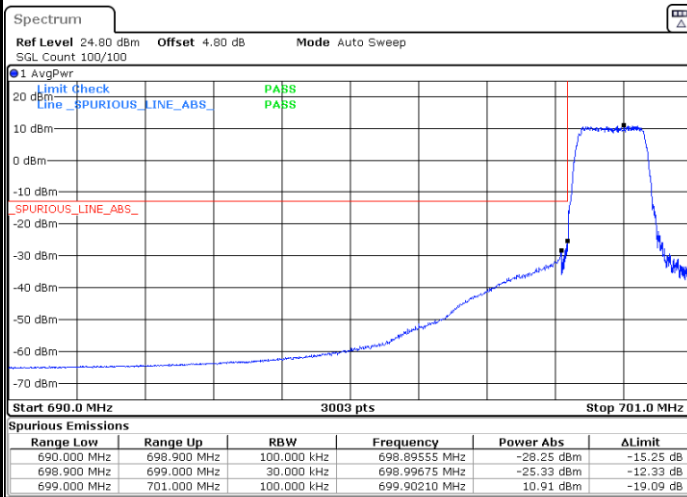
Date: 17.APR.2023 10:19:07

Highest Band Edge / 1 RB



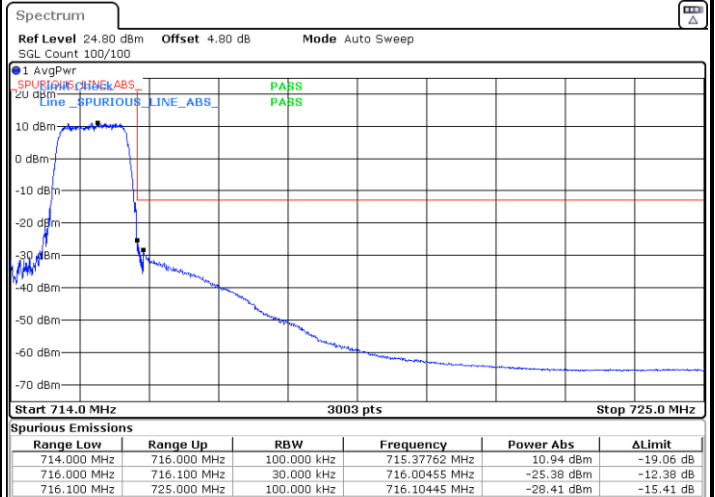
Date: 17.APR.2023 10:35:43

Lowest Band Edge / Full RB



Date: 17.APR.2023 10:27:38

Highest Band Edge / Full RB



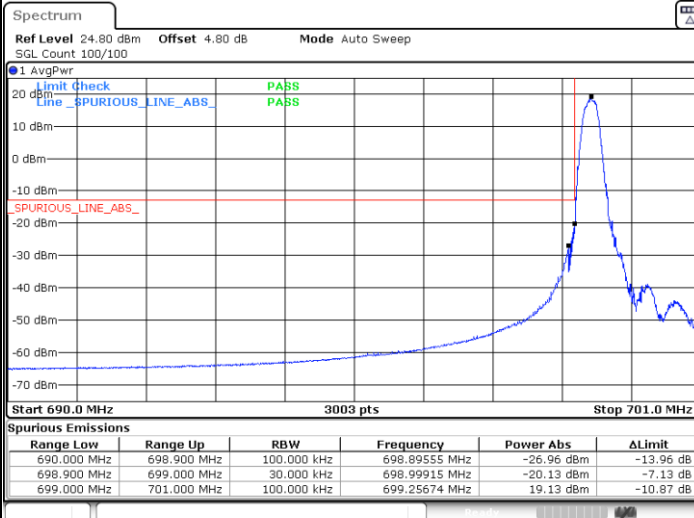
Date: 17.APR.2023 10:44:11



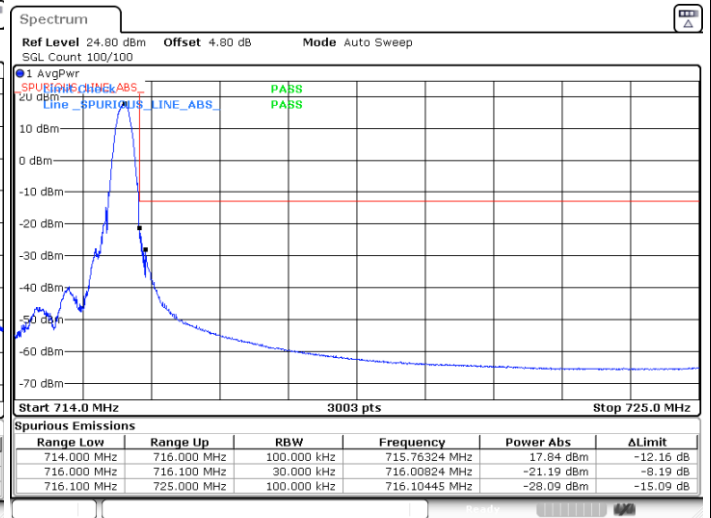
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



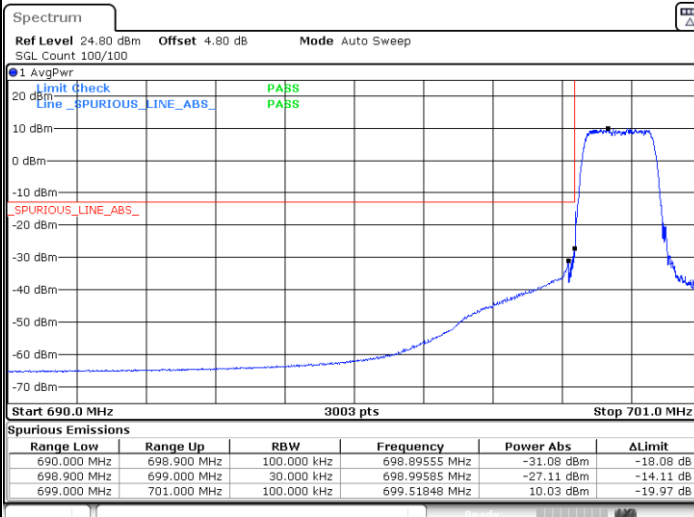
Date: 17.APR.2023 10:20:49



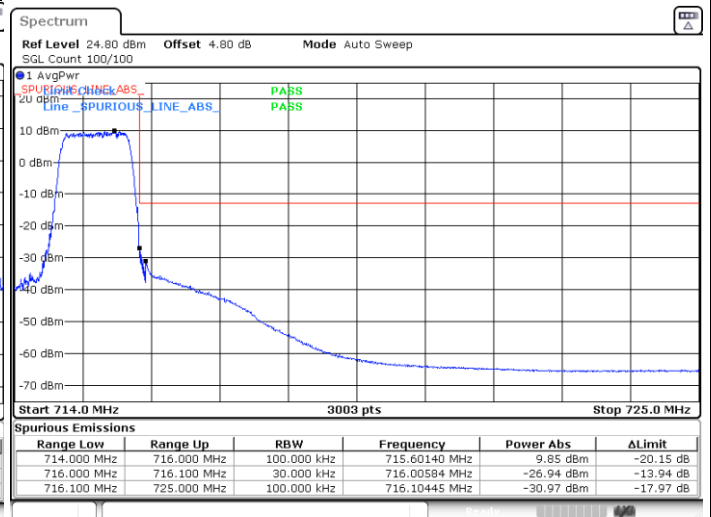
Date: 17.APR.2023 10:37:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.APR.2023 10:25:57

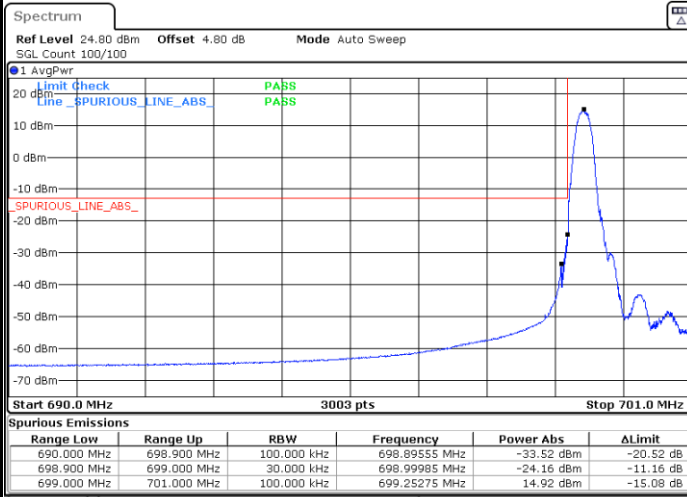


Date: 17.APR.2023 10:42:30



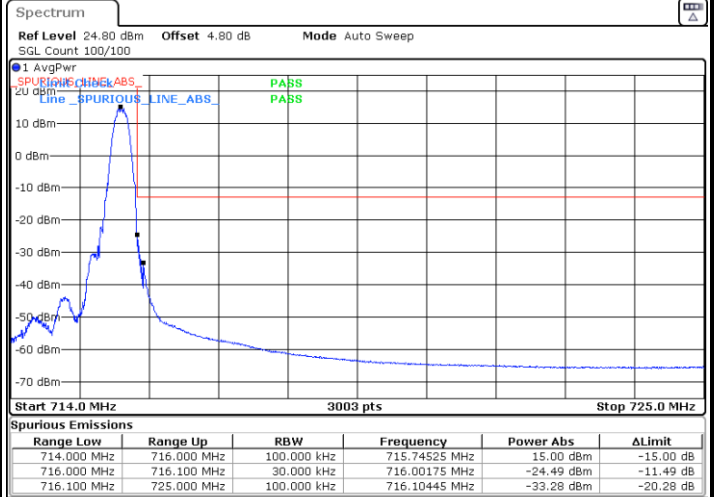
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



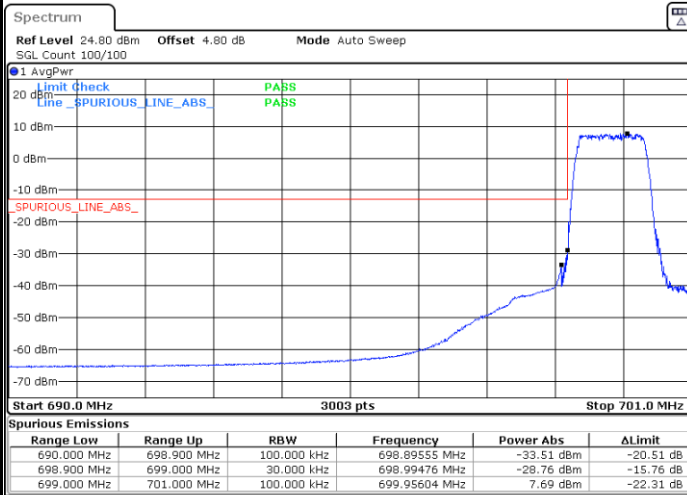
Date: 17.APR.2023 10:22:29

Highest Band Edge / 1 RB



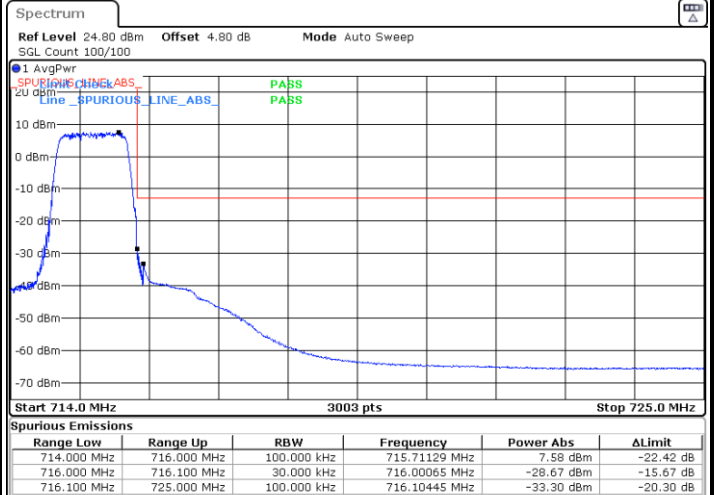
Date: 17.APR.2023 10:39:04

Lowest Band Edge / Full RB



Date: 17.APR.2023 10:24:13

Highest Band Edge / Full RB



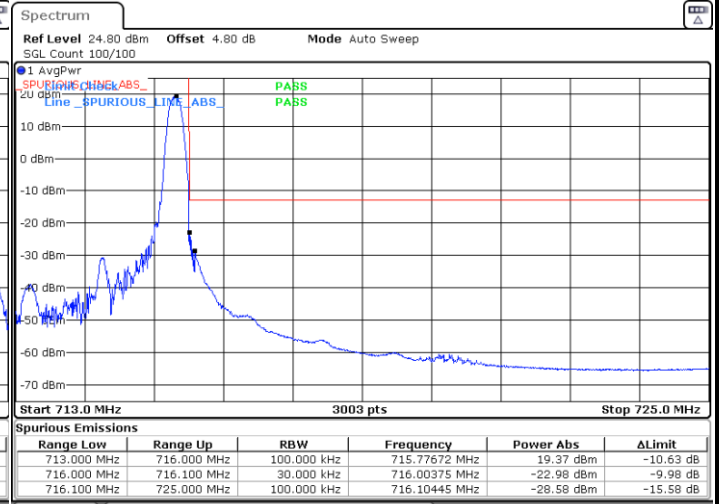
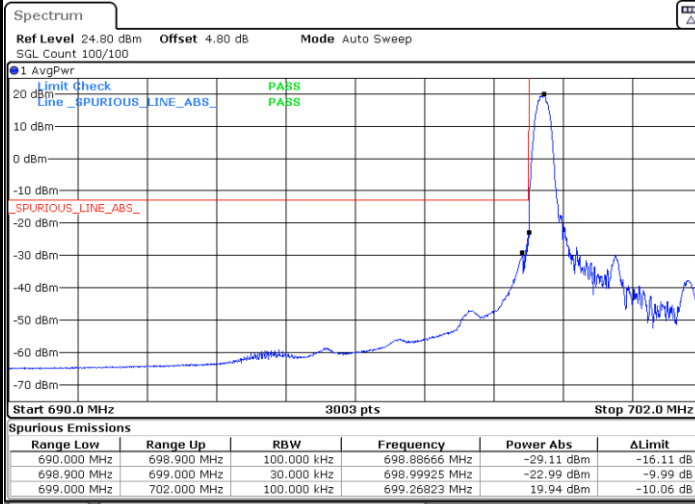
Date: 17.APR.2023 10:40:47



LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

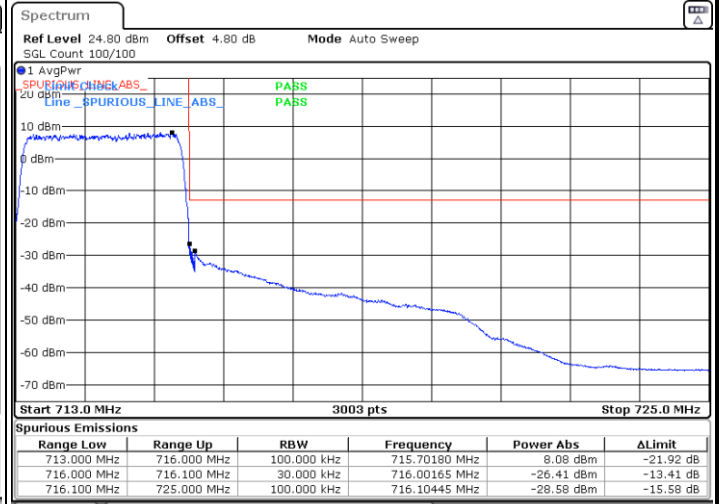
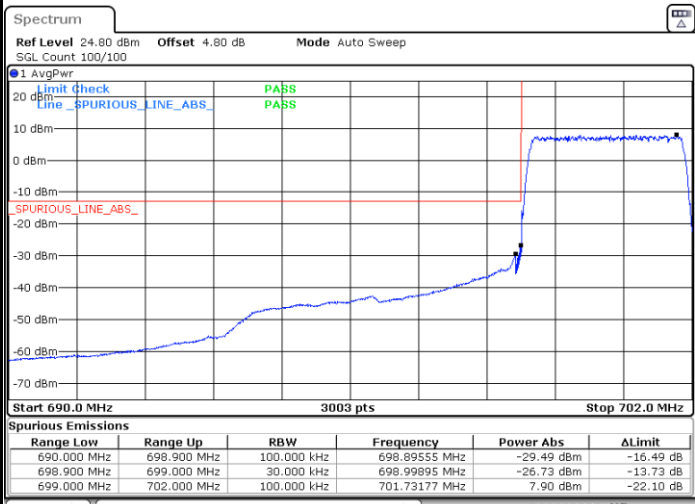


Date: 17.APR.2023 10:49:05

Date: 17.APR.2023 11:06:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



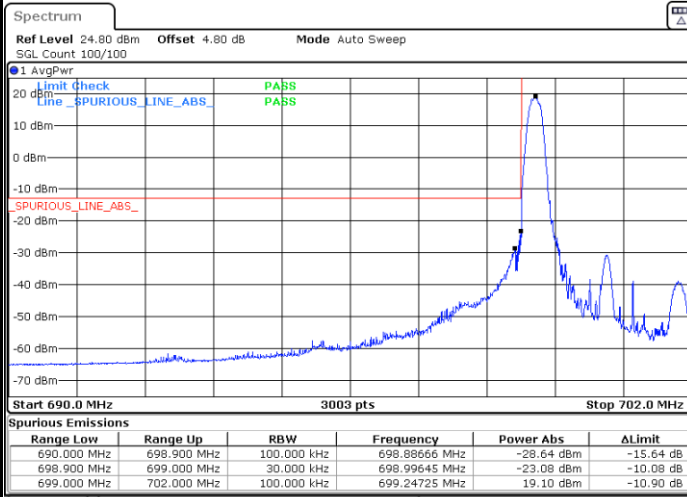
Date: 17.APR.2023 11:01:54

Date: 17.APR.2023 11:18:25



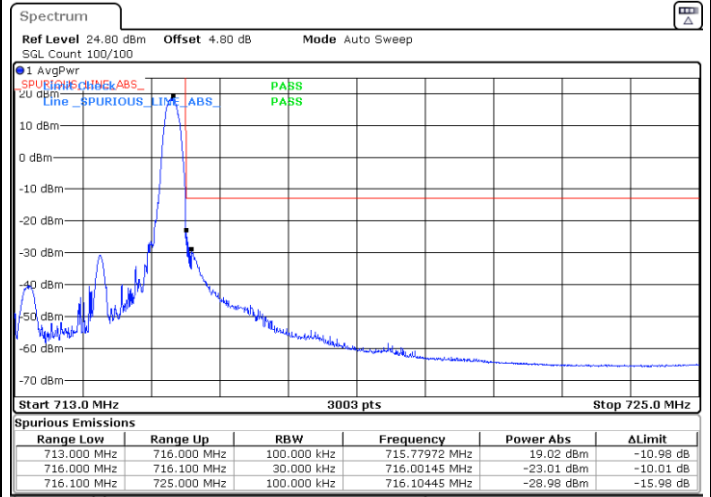
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



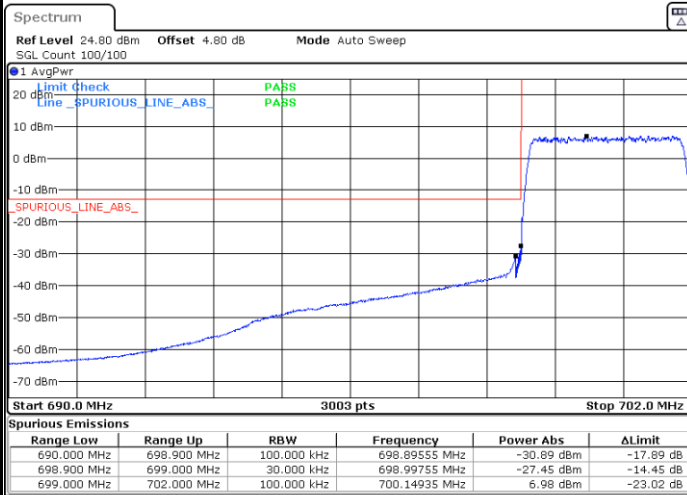
Date: 17.APR.2023 10:50:45

Highest Band Edge / 1 RB



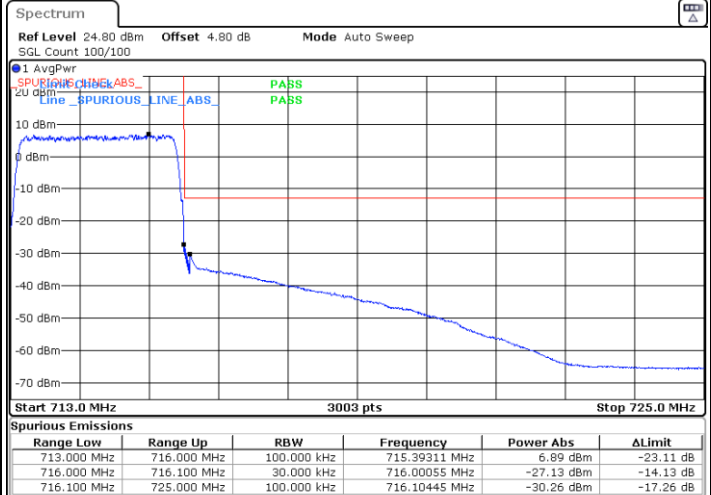
Date: 17.APR.2023 11:08:17

Lowest Band Edge / Full RB



Date: 17.APR.2023 11:00:13

Highest Band Edge / Full RB

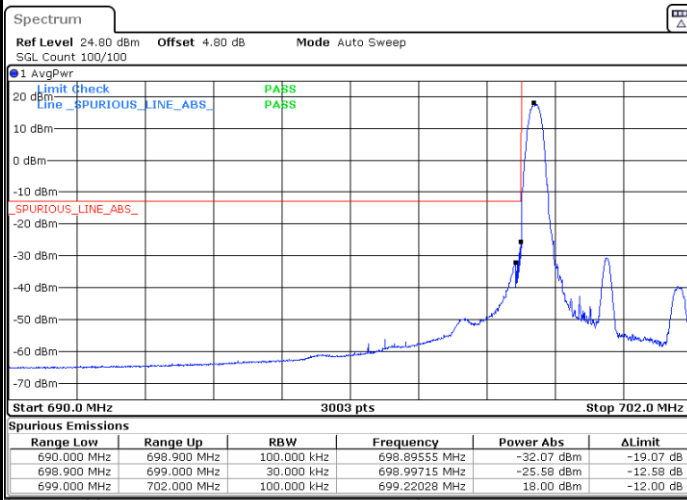


Date: 17.APR.2023 11:16:44



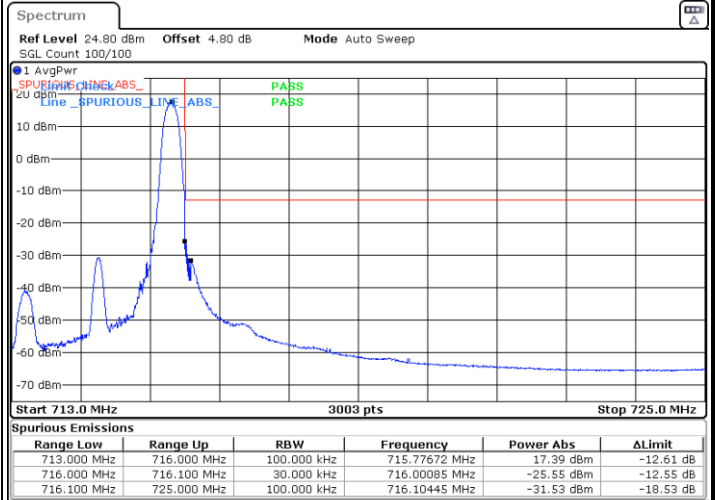
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



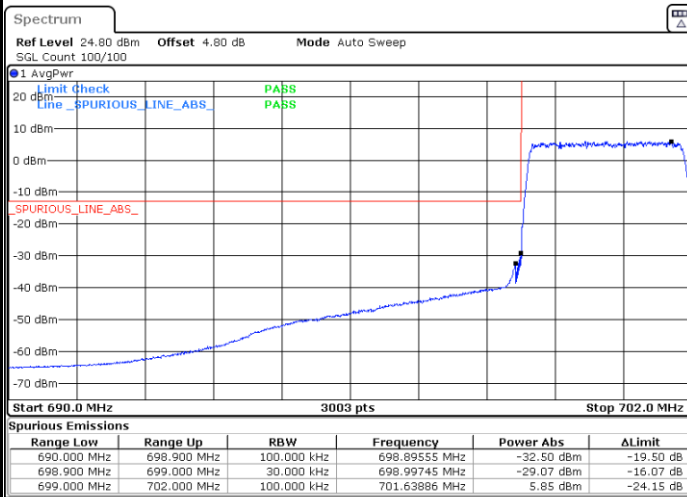
Date: 17.APR.2023 10:52:26

Highest Band Edge / 1 RB



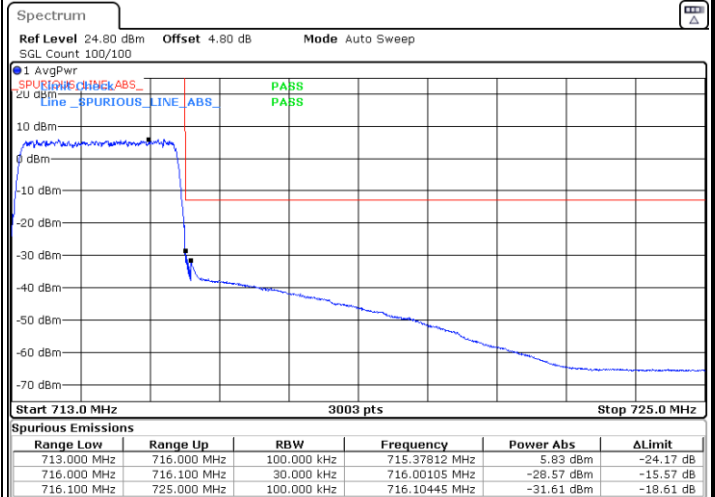
Date: 17.APR.2023 11:09:57

Lowest Band Edge / Full RB



Date: 17.APR.2023 10:58:33

Highest Band Edge / Full RB

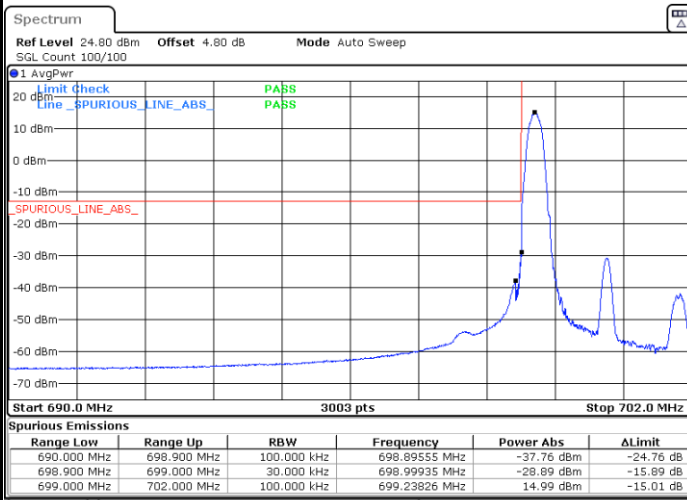


Date: 17.APR.2023 11:15:04



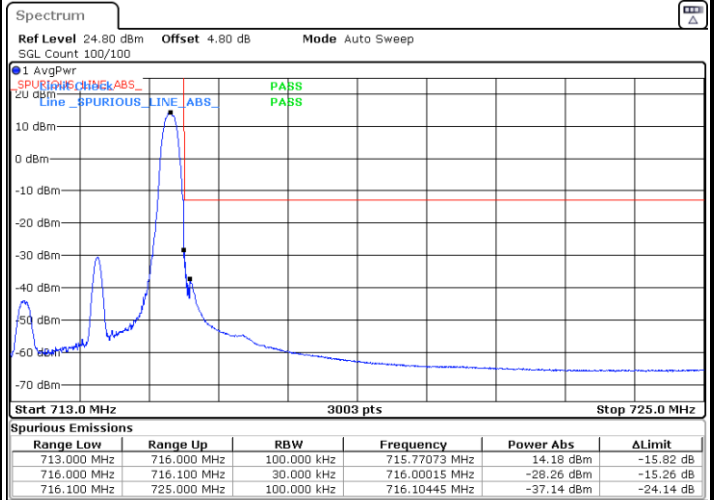
LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



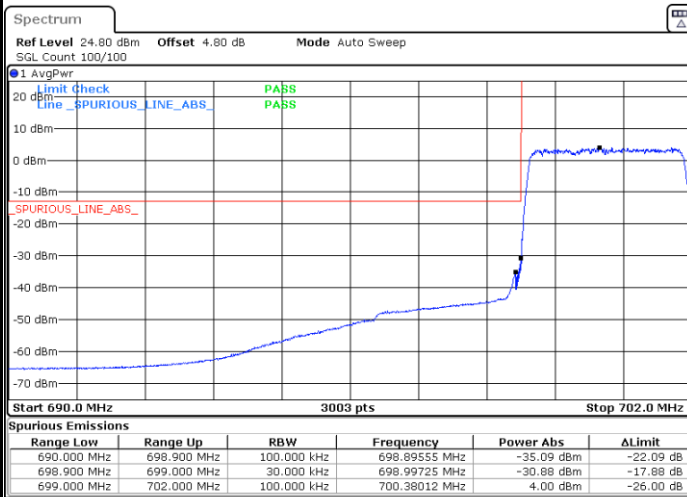
Date: 17.APR.2023 10:54:06

Highest Band Edge / 1 RB



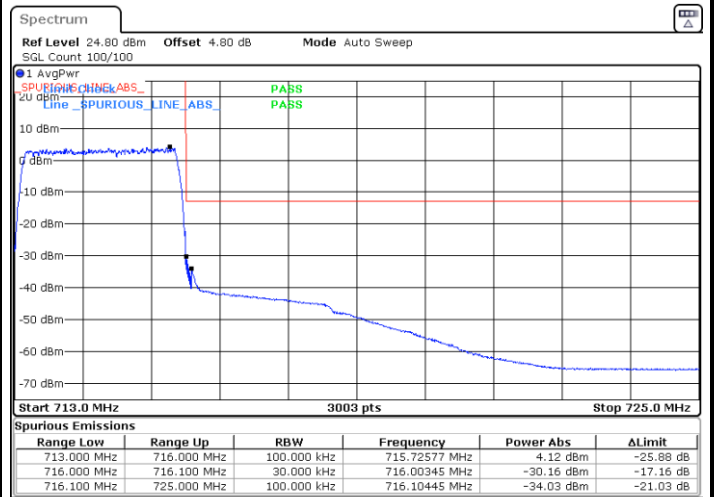
Date: 17.APR.2023 11:11:37

Lowest Band Edge / Full RB



Date: 17.APR.2023 10:56:50

Highest Band Edge / Full RB

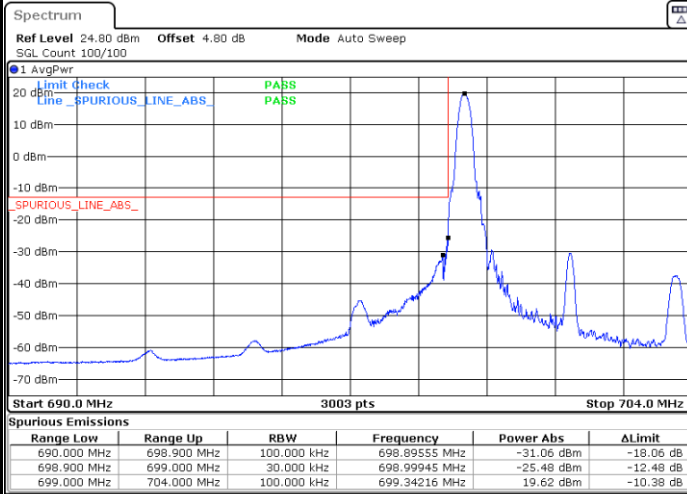


Date: 17.APR.2023 11:13:20



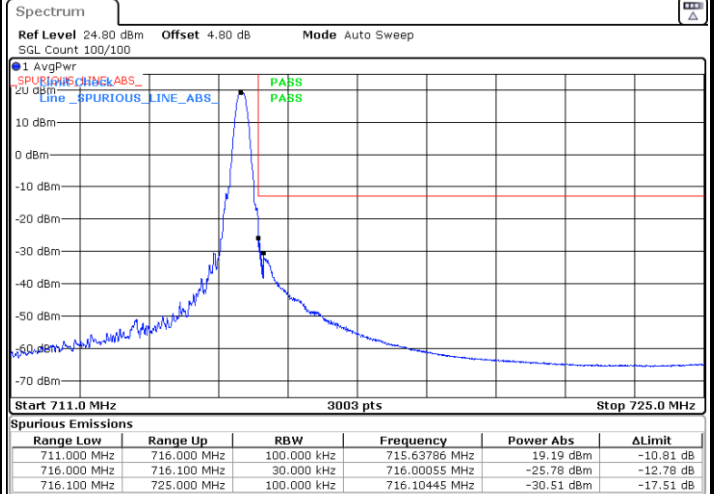
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



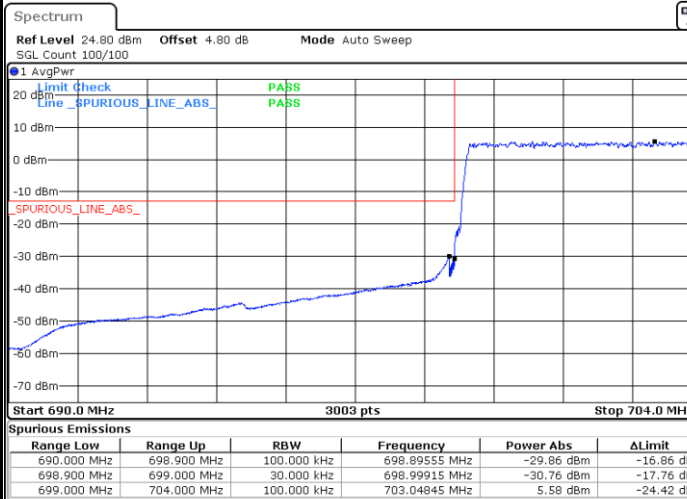
Date: 17.APR.2023 11:21:37

Highest Band Edge / 1 RB



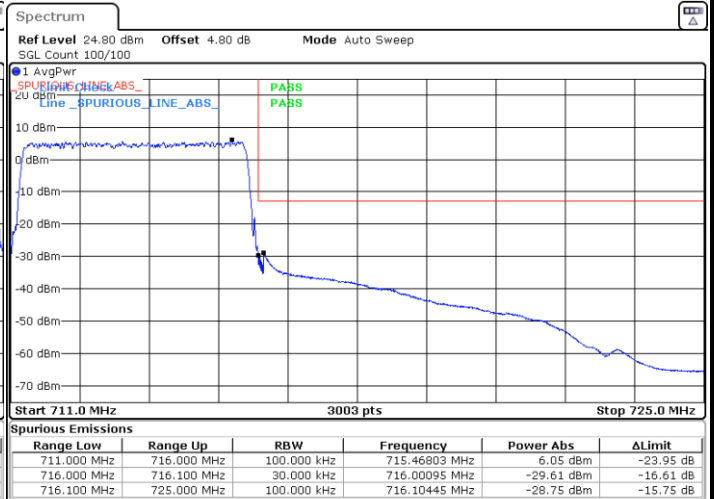
Date: 17.APR.2023 11:45:20

Lowest Band Edge / Full RB



Date: 17.APR.2023 11:40:37

Highest Band Edge / Full RB

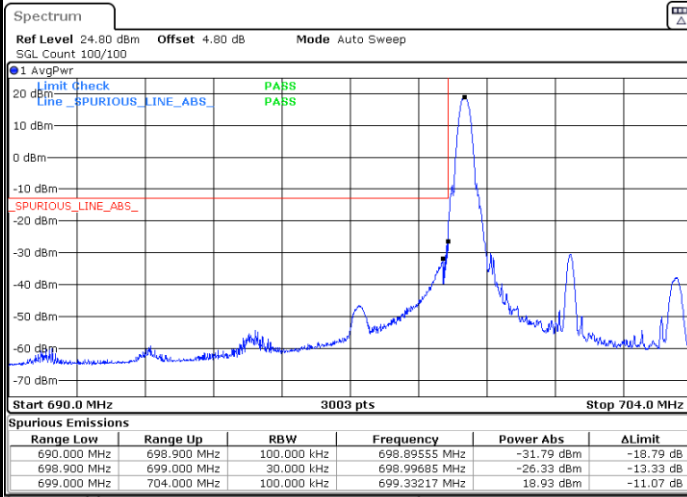


Date: 17.APR.2023 11:57:08

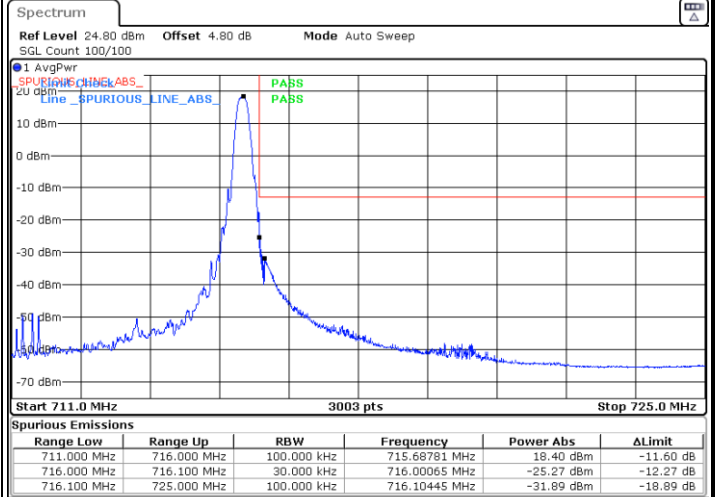


LTE Band 12 / 5MHz / 16QAM

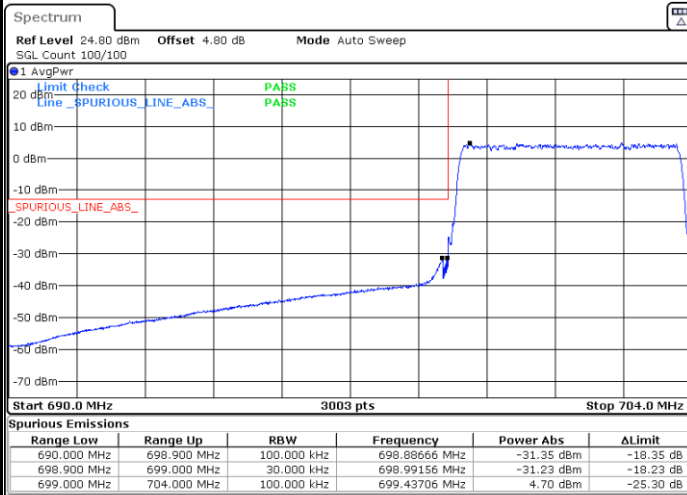
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

