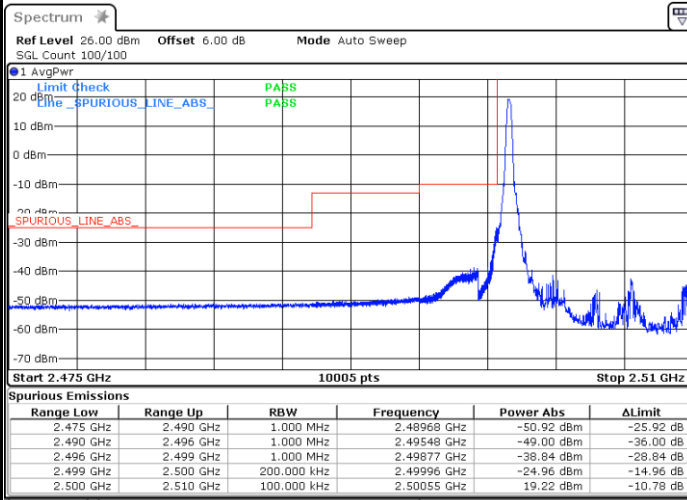




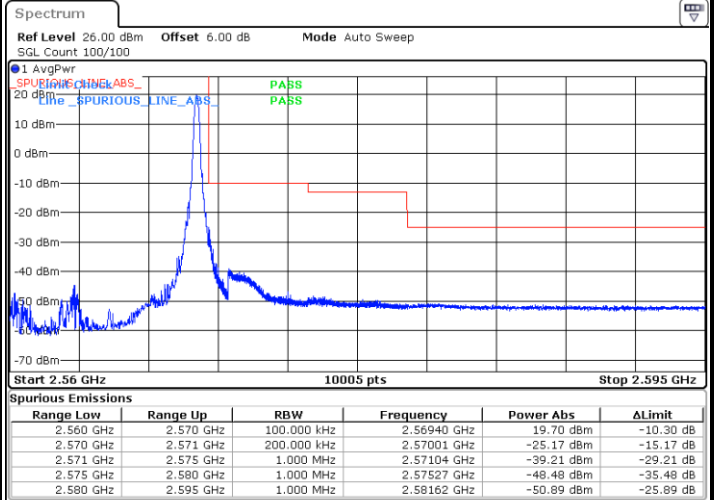
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



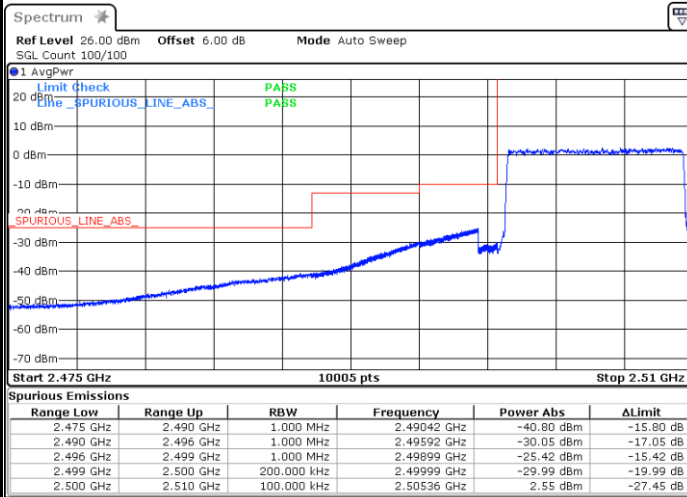
Date: 2.MAR.2022 10:28:08

Highest Band Edge / 1 RB



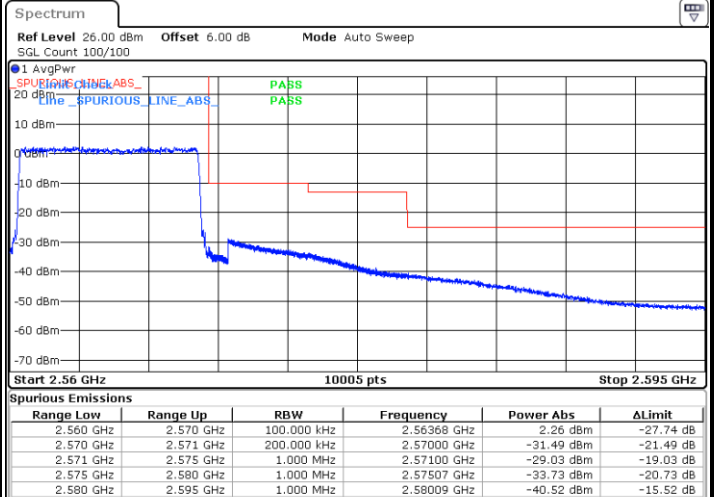
Date: 2.MAR.2022 09:58:12

Lowest Band Edge / Full RB



Date: 2.MAR.2022 10:29:35

Highest Band Edge / Full RB

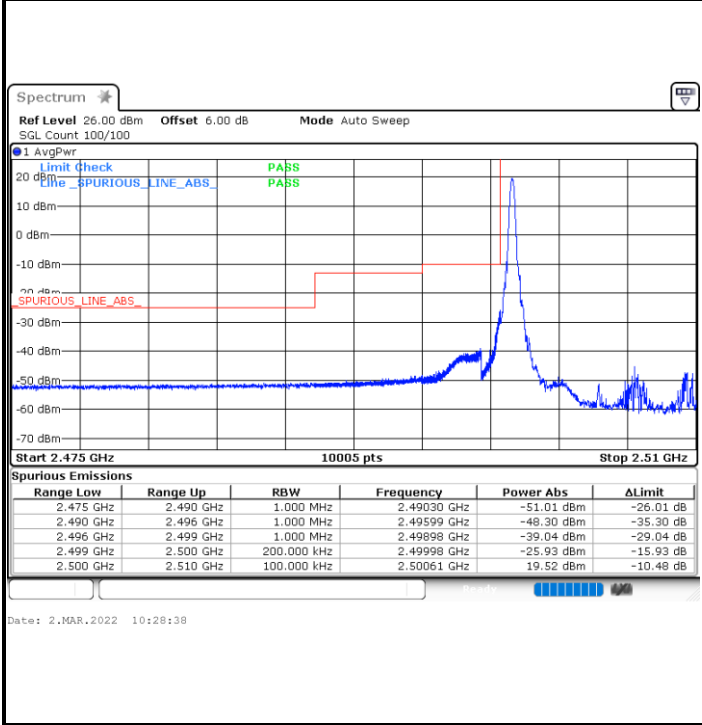


Date: 2.MAR.2022 09:56:38

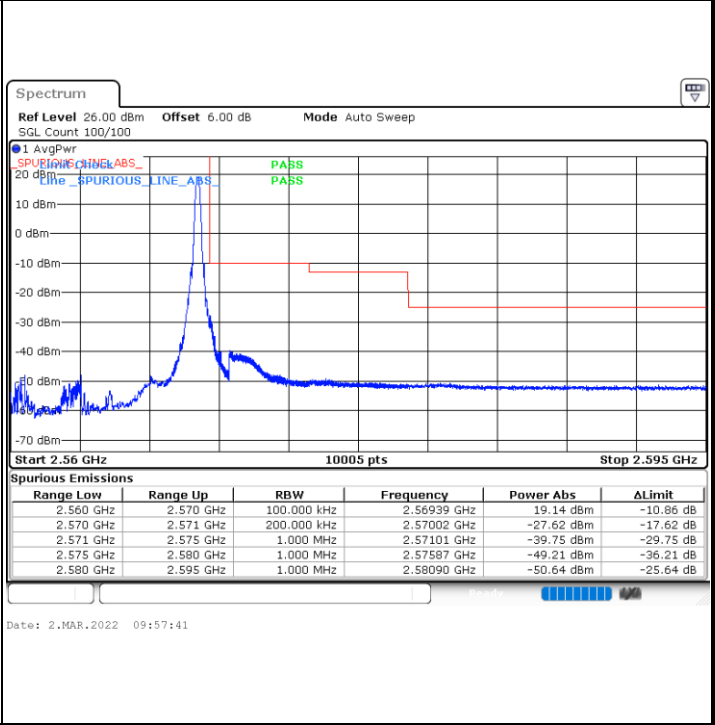


LTE Band 7 / 10MHz / 64QAM

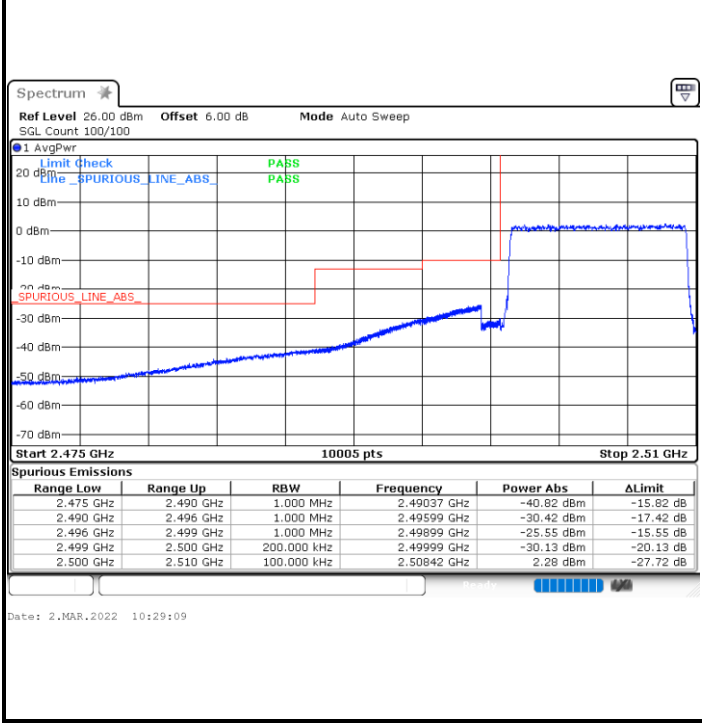
Lowest Band Edge / 1 RB



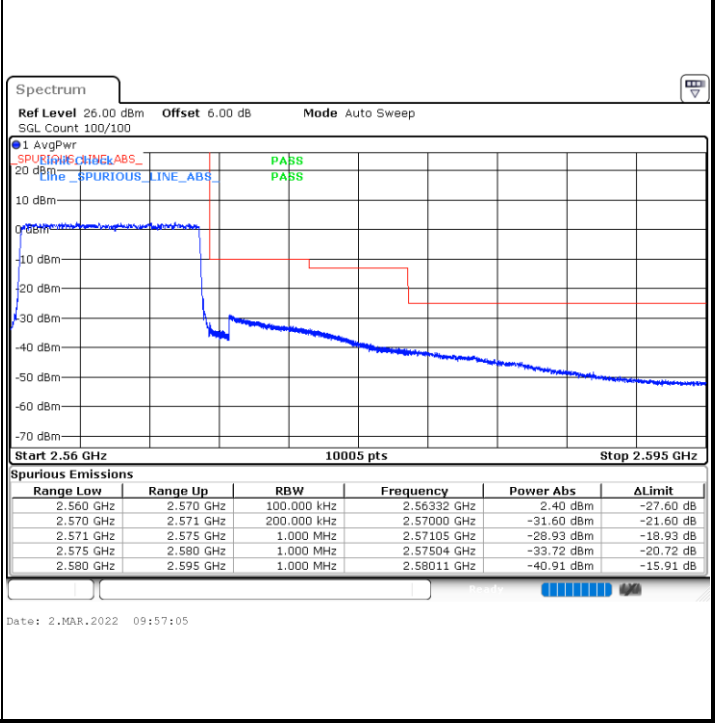
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



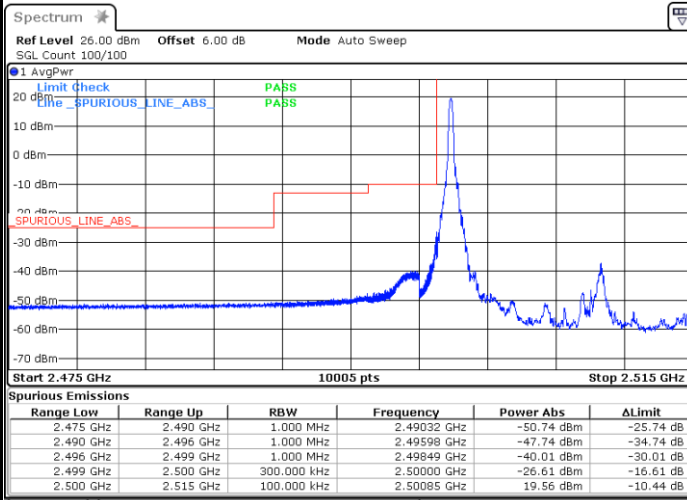
Highest Band Edge / Full RB





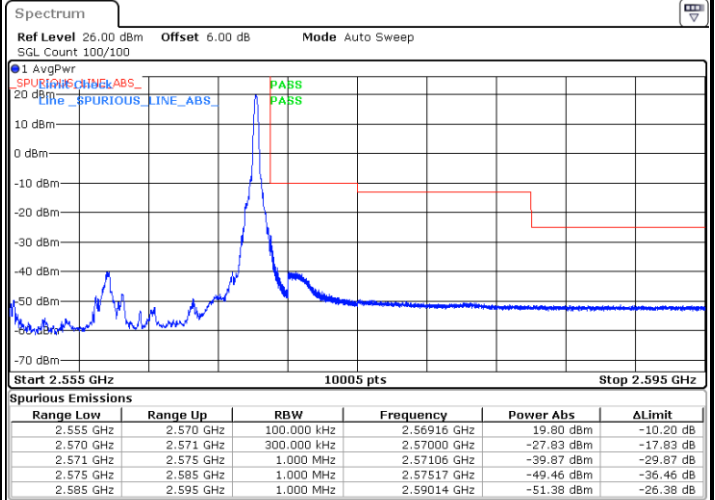
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



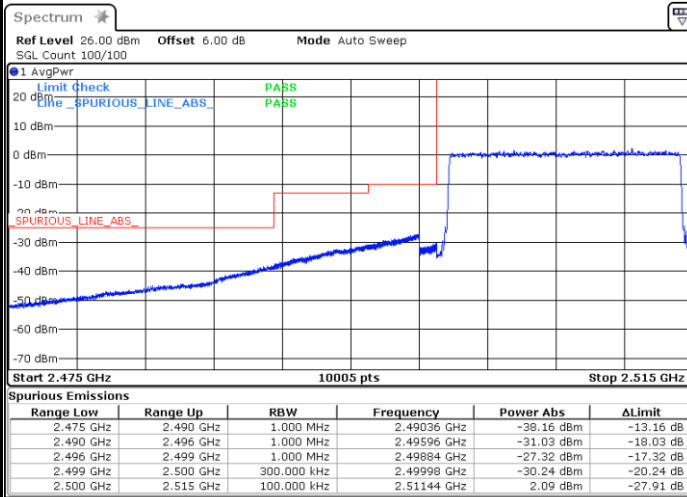
Date: 2.MAR.2022 10:26:43

Highest Band Edge / 1 RB



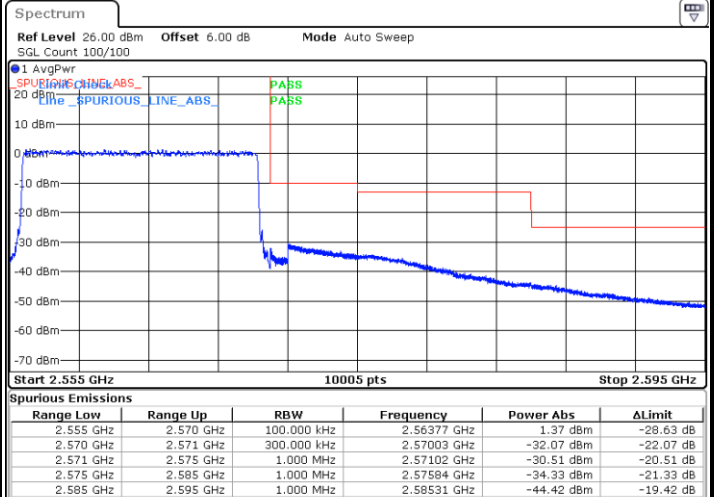
Date: 2.MAR.2022 10:15:39

Lowest Band Edge / Full RB



Date: 2.MAR.2022 10:24:13

Highest Band Edge / Full RB

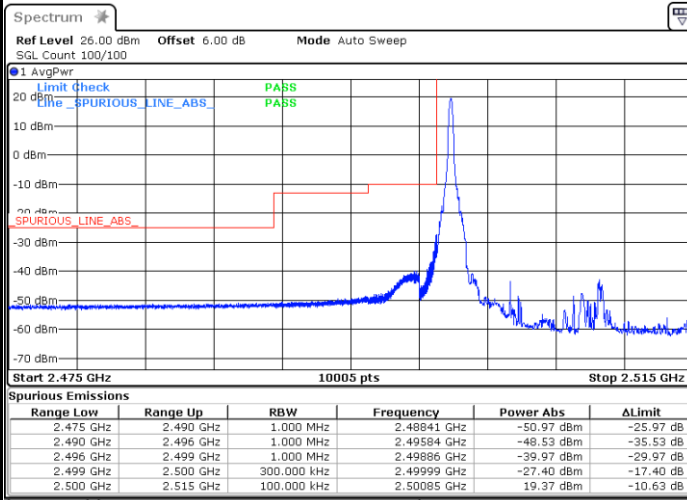


Date: 2.MAR.2022 10:13:09

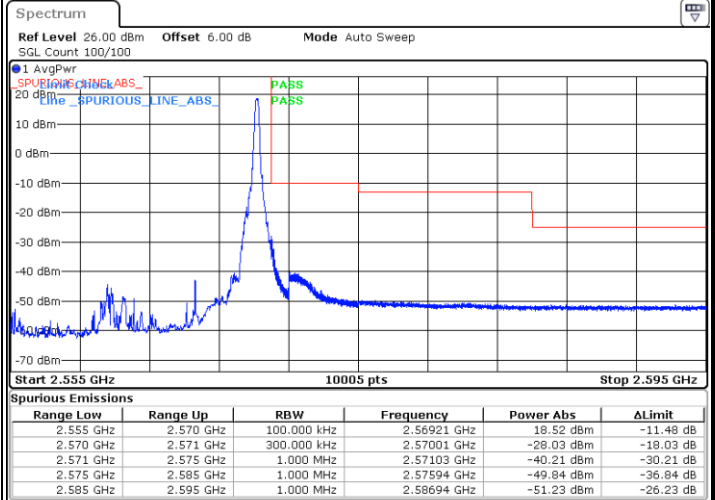


LTE Band 7 / 15MHz / 16QAM

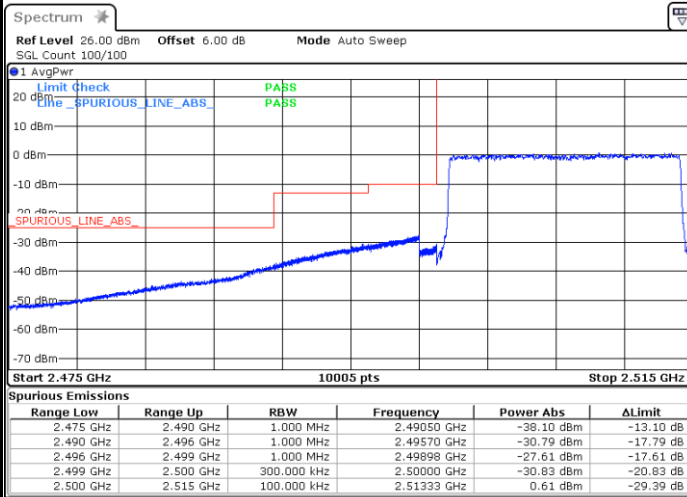
Lowest Band Edge / 1 RB



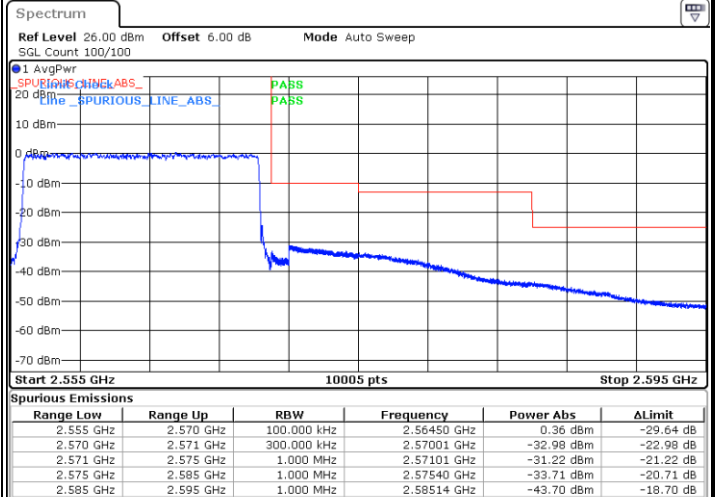
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



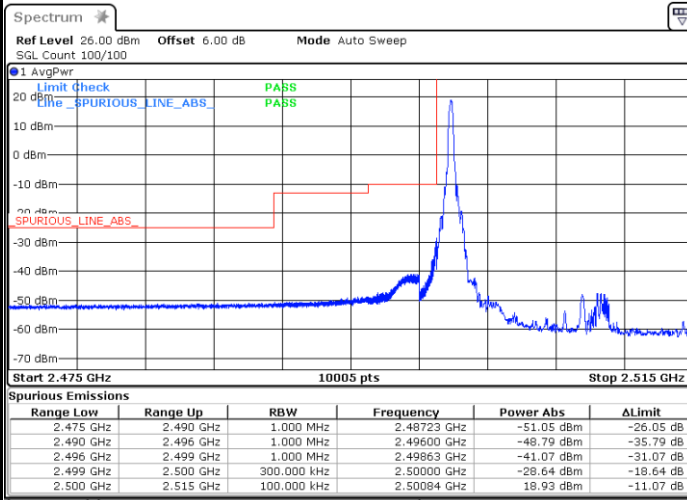
Highest Band Edge / Full RB





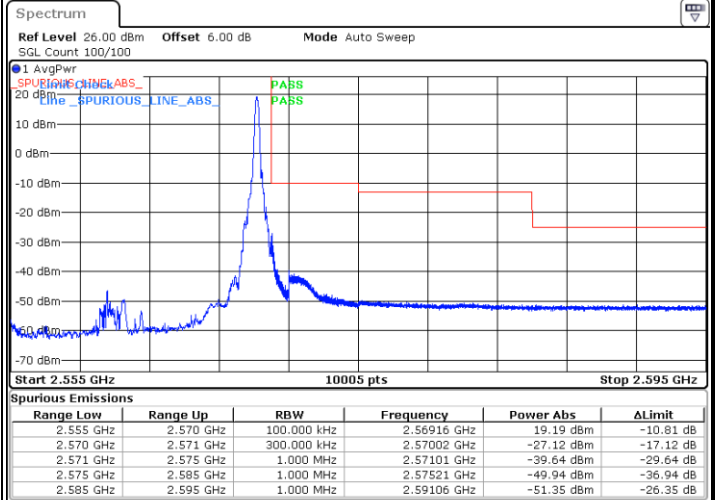
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



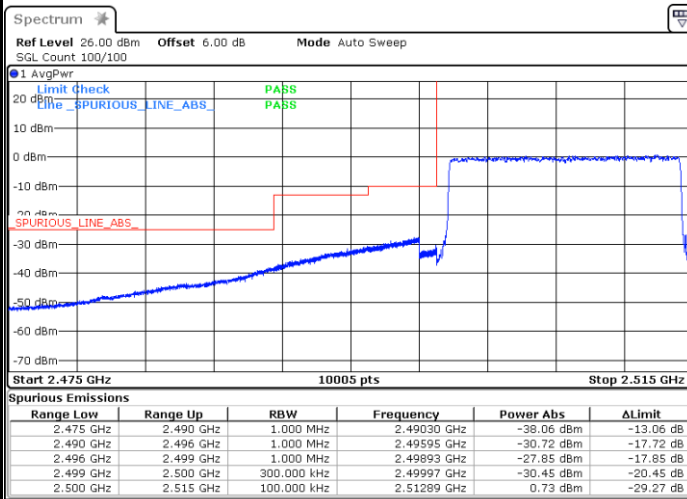
Date: 2.MAR.2022 10:25:49

Highest Band Edge / 1 RB



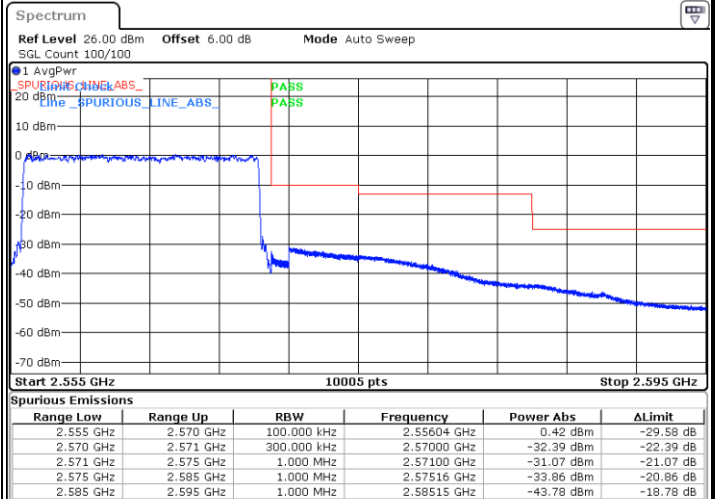
Date: 2.MAR.2022 10:14:29

Lowest Band Edge / Full RB



Date: 2.MAR.2022 10:25:18

Highest Band Edge / Full RB



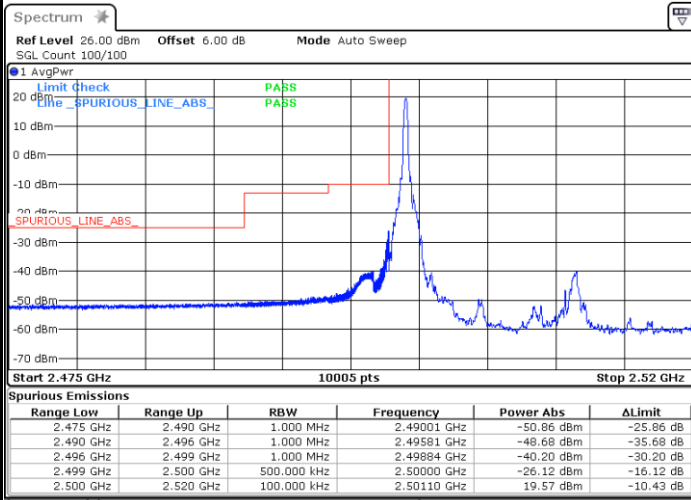
Date: 2.MAR.2022 10:13:55



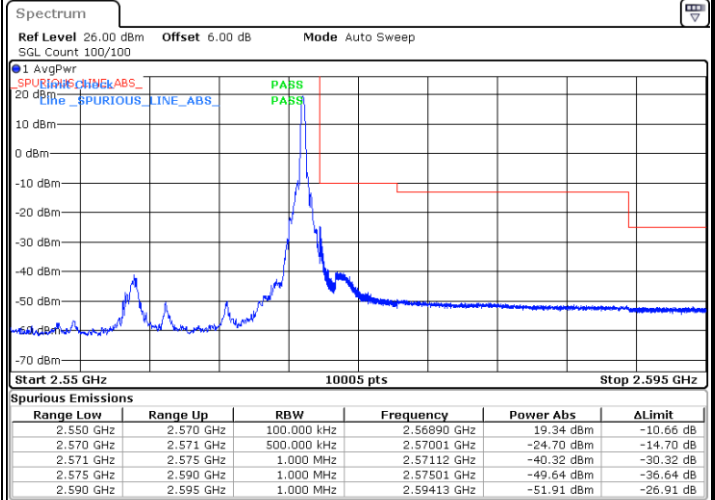
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



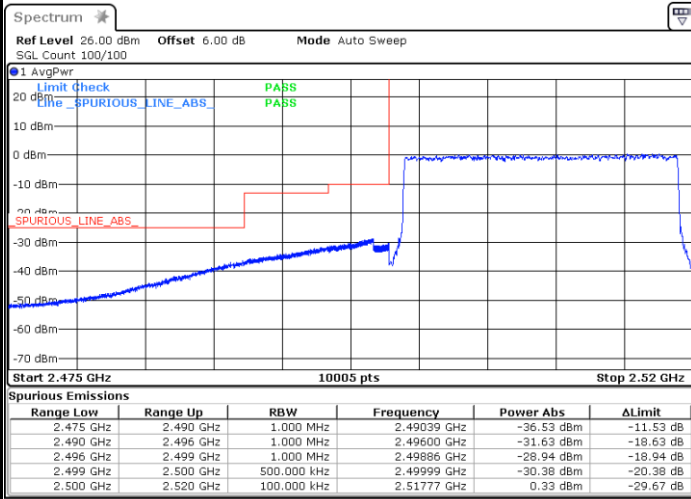
Date: 2.MAR.2022 10:38:33



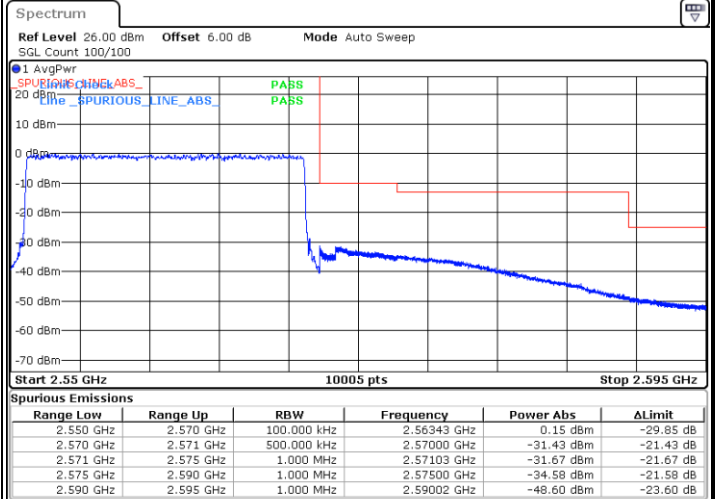
Date: 2.MAR.2022 10:44:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.MAR.2022 10:41:20

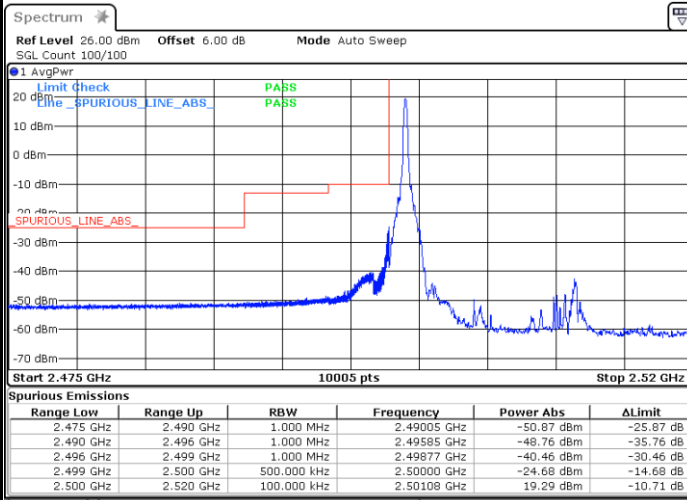


Date: 2.MAR.2022 10:41:51



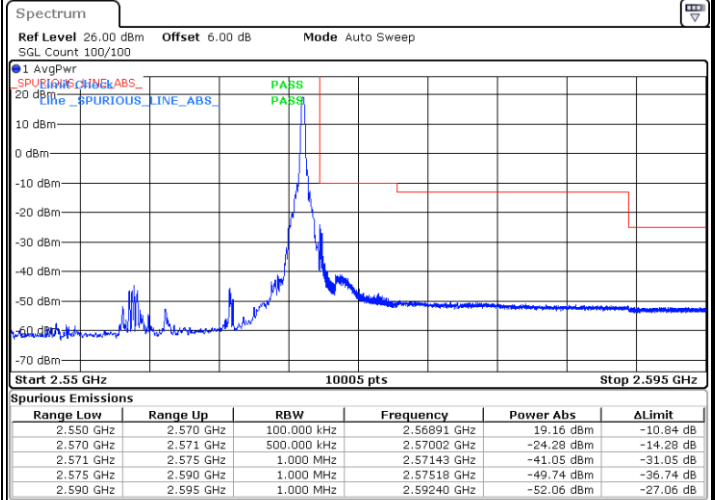
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



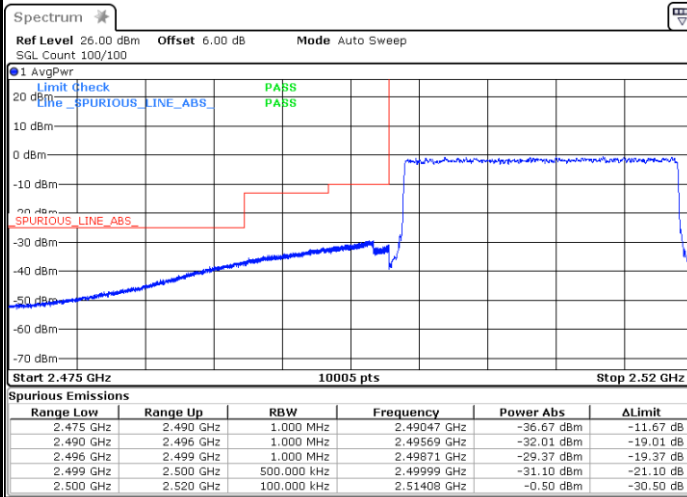
Date: 2.MAR.2022 10:39:01

Highest Band Edge / 1 RB



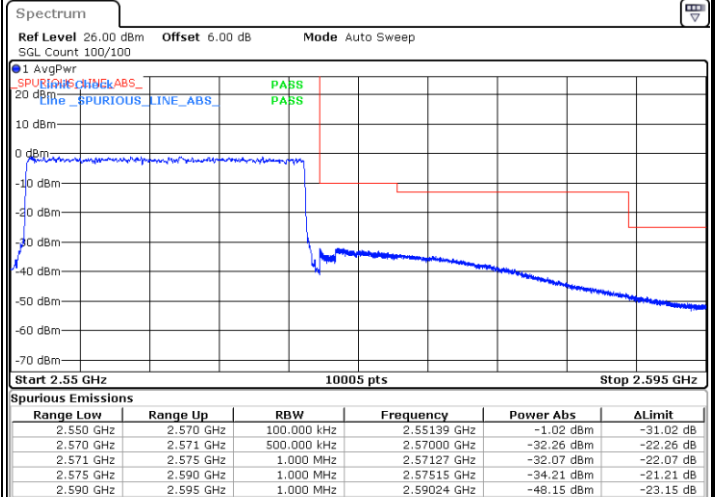
Date: 2.MAR.2022 10:43:45

Lowest Band Edge / Full RB



Date: 2.MAR.2022 10:40:49

Highest Band Edge / Full RB



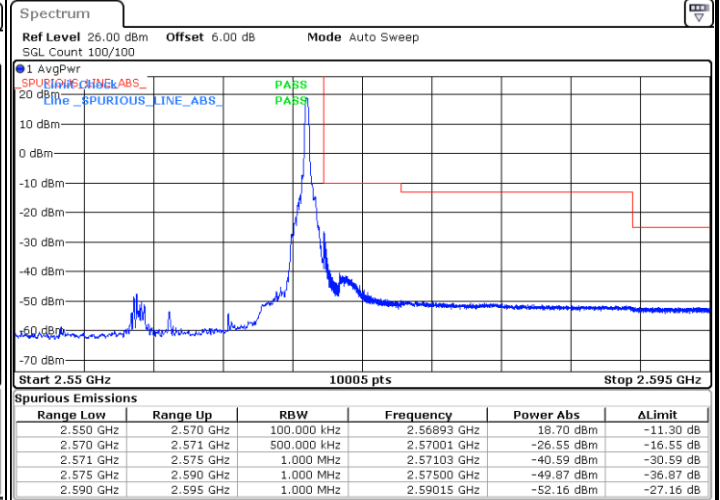
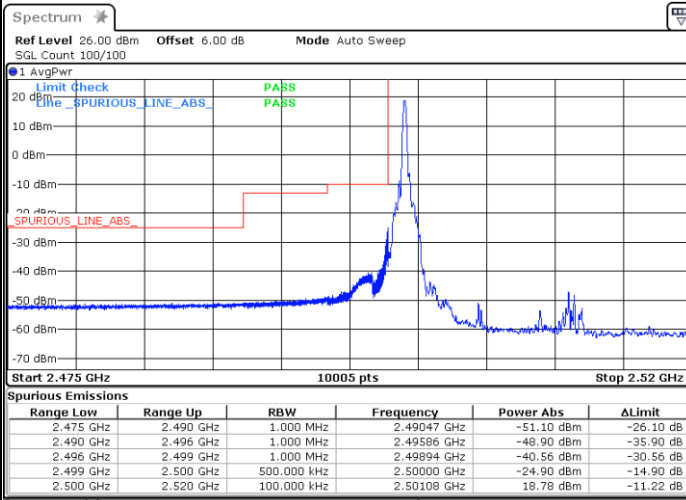
Date: 2.MAR.2022 10:42:22



LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

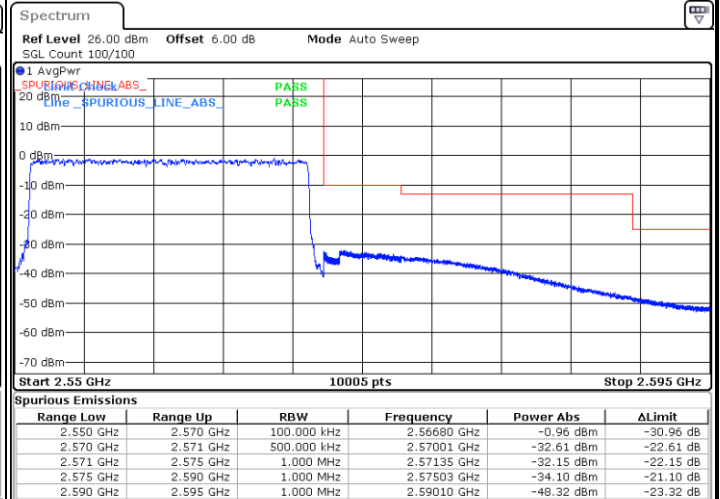
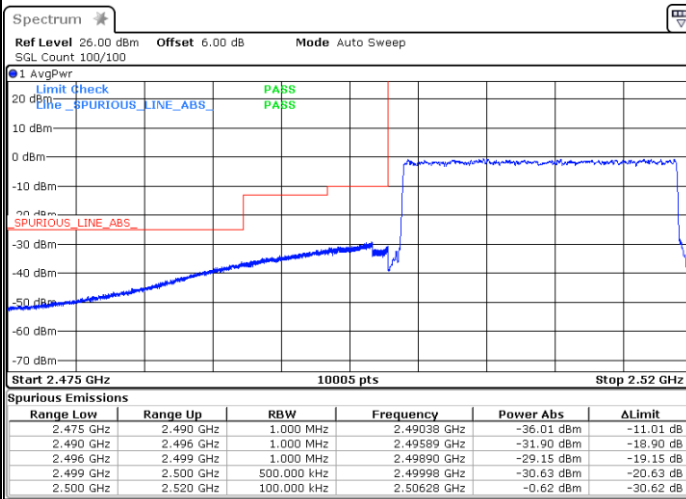


Date: 2.MAR.2022 10:39:36

Date: 2.MAR.2022 10:43:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

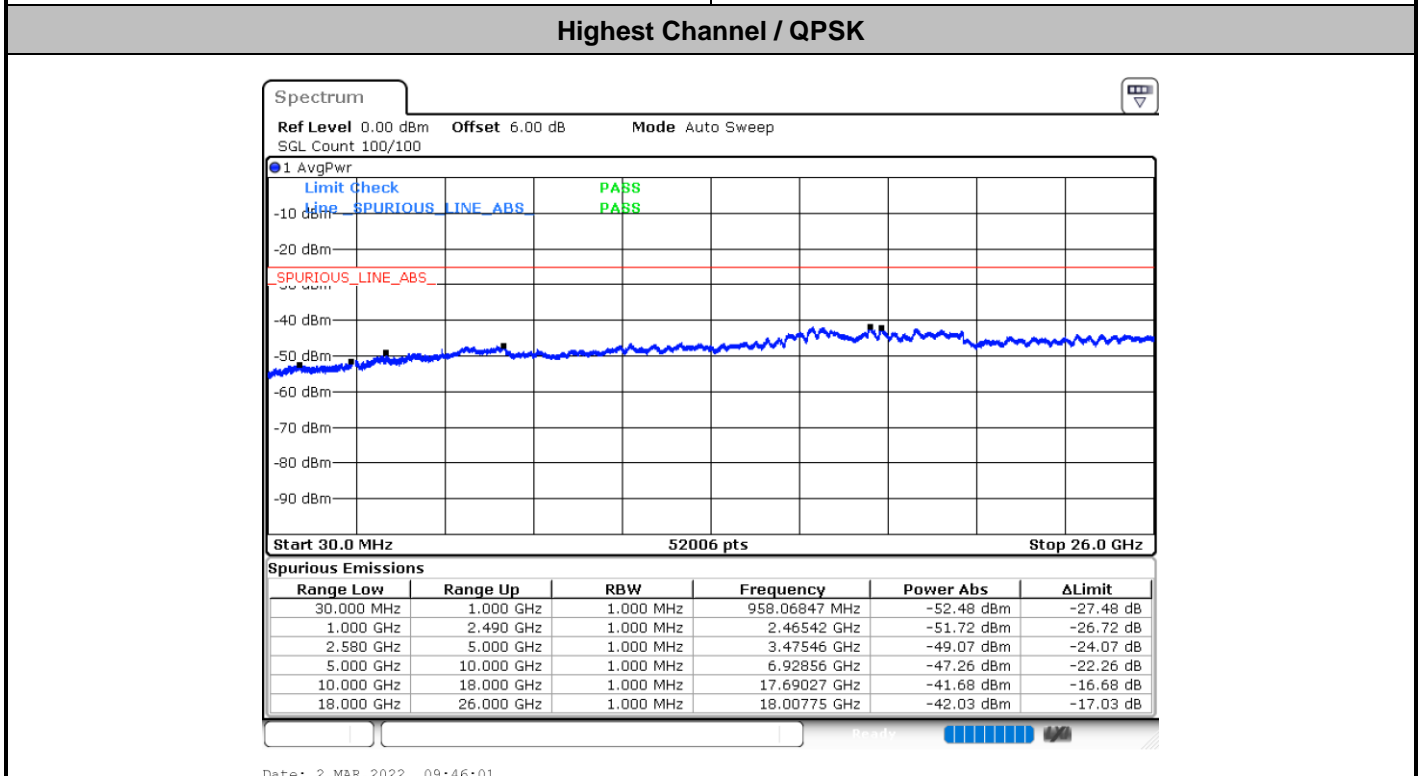
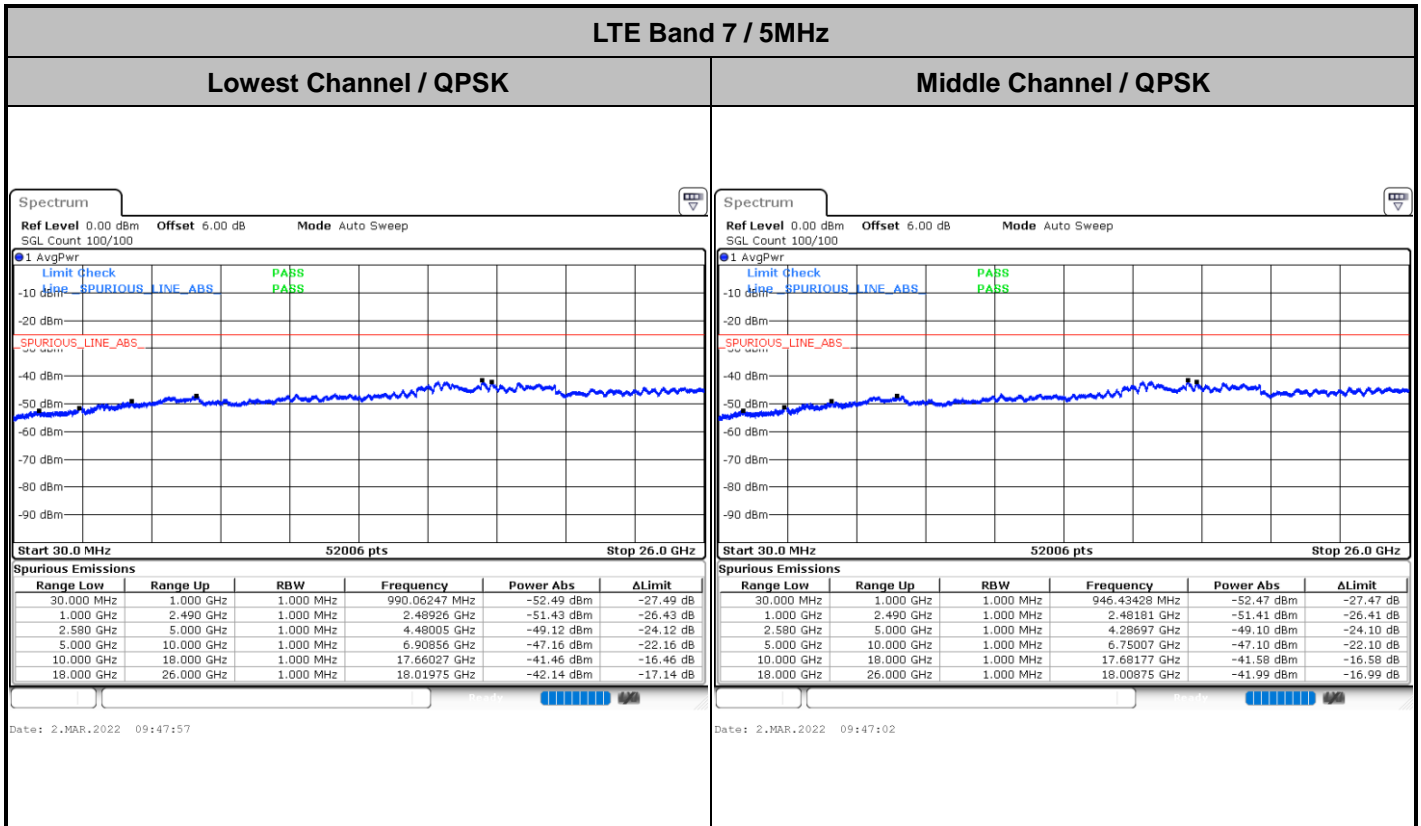


Date: 2.MAR.2022 10:40:10

Date: 2.MAR.2022 10:42:47



Conducted Spurious Emission

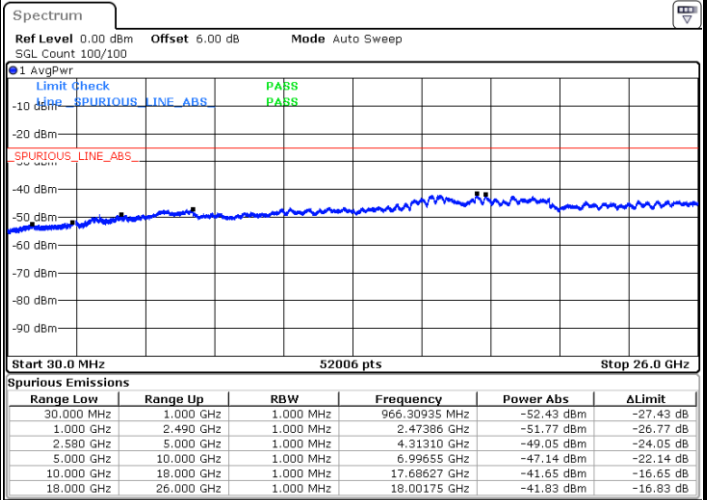
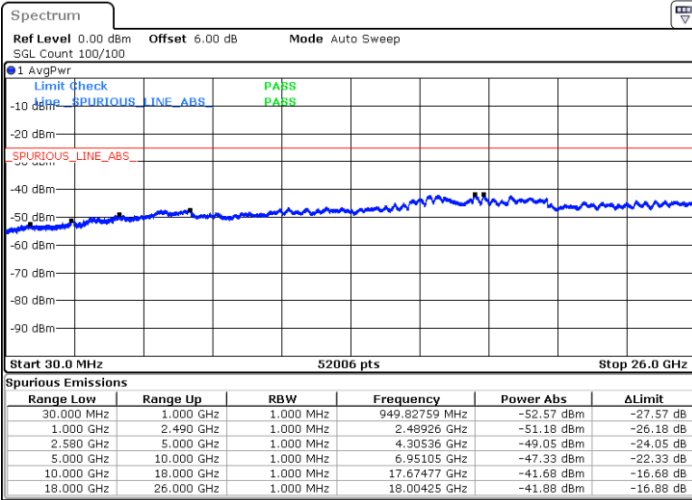




LTE Band 7 / 10MHz

Lowest Channel / QPSK

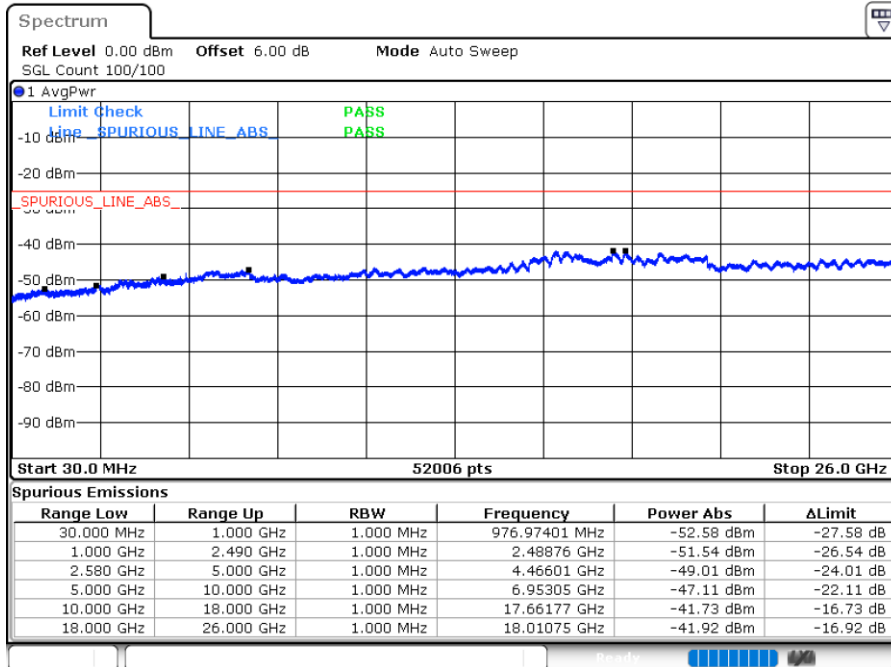
Middle Channel / QPSK



Date: 2.MAR.2022 09:54:31

Date: 2.MAR.2022 09:49:21

Highest Channel / QPSK

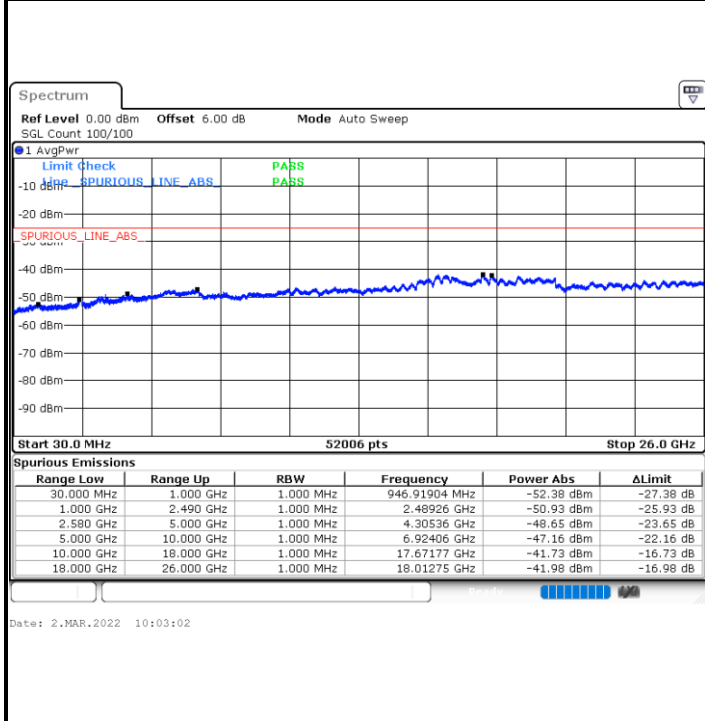


Date: 2.MAR.2022 09:55:40

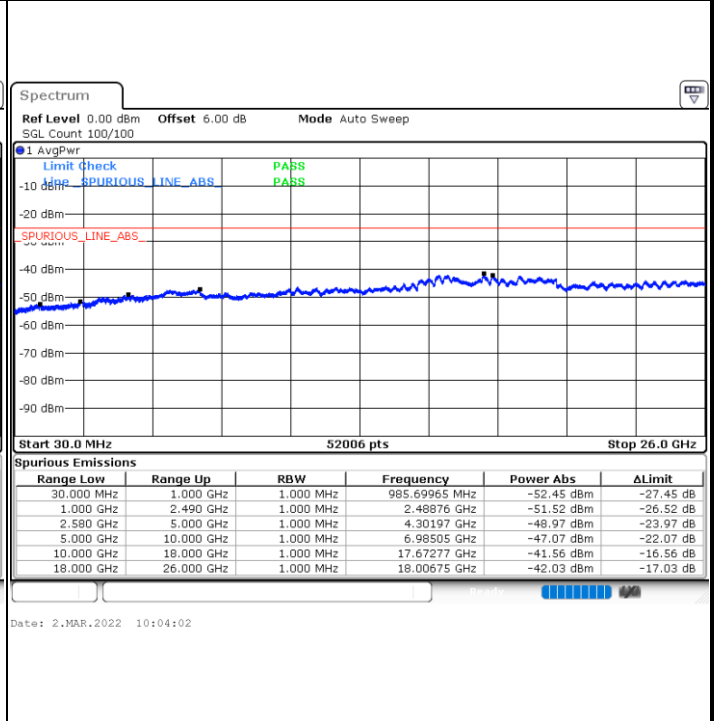


LTE Band 7 / 15MHz

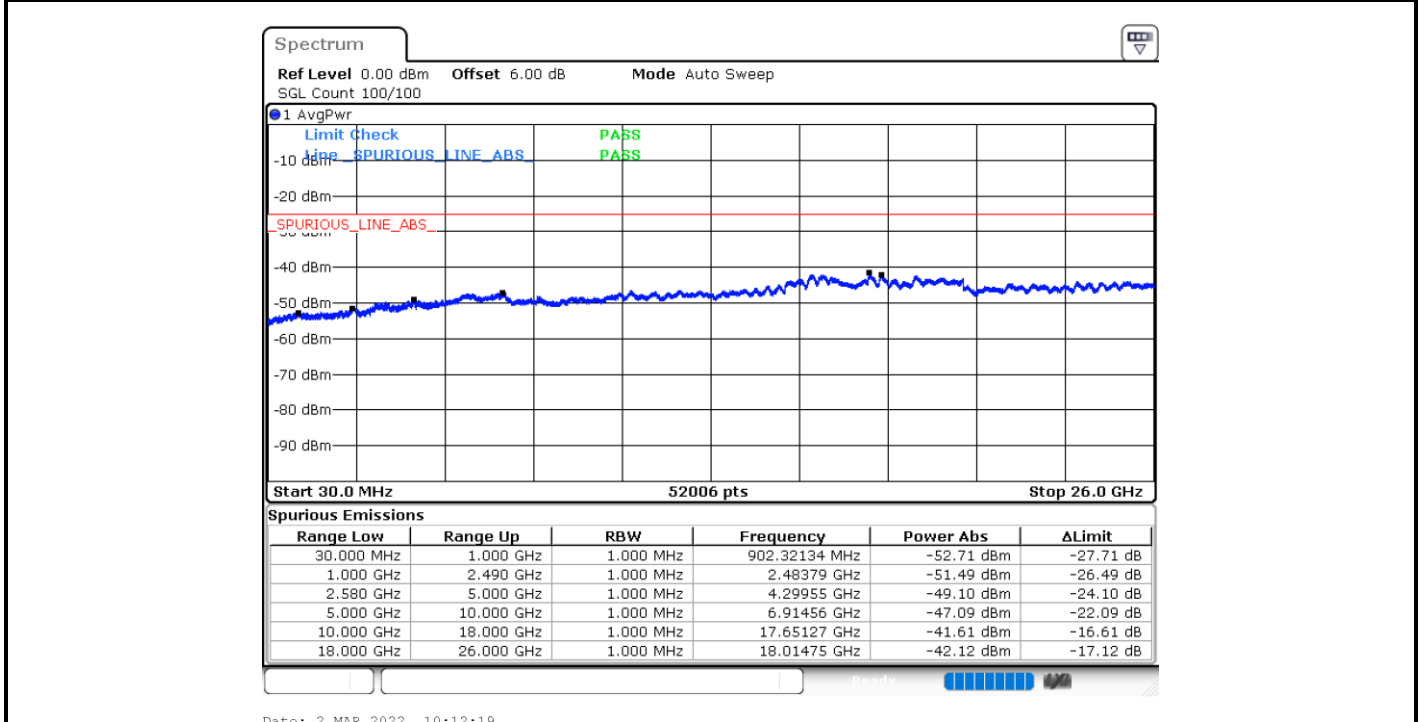
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

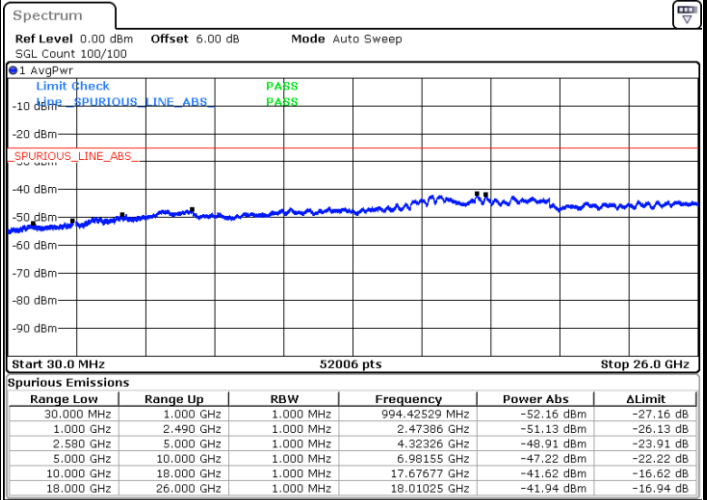
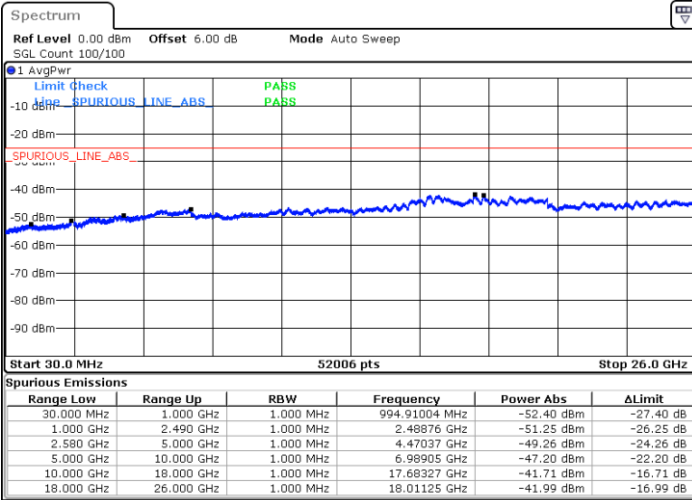




LTE Band 7 / 20MHz

Lowest Channel / QPSK

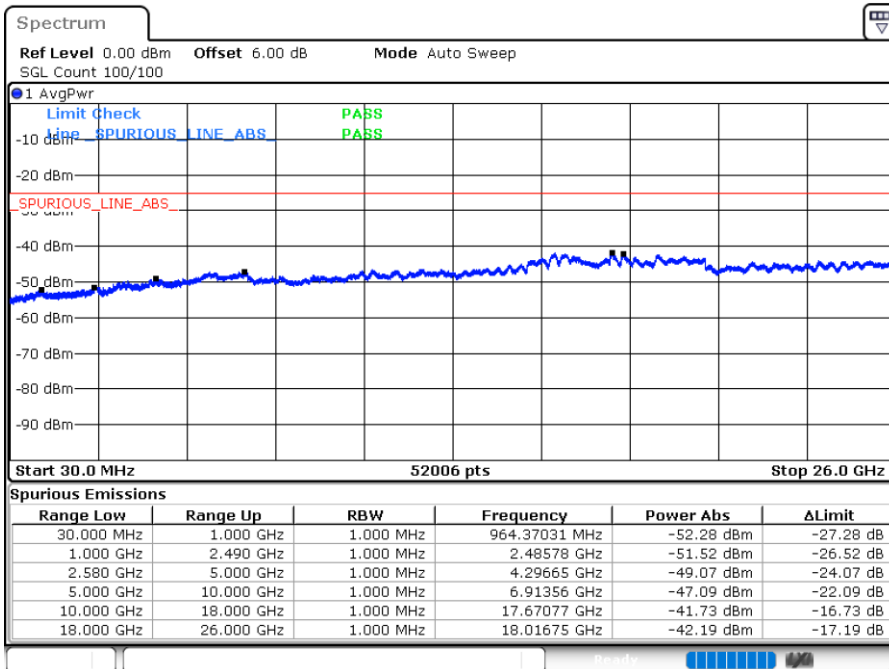
Middle Channel / QPSK



Date: 2.MAR.2022 10:36:06

Date: 2.MAR.2022 10:37:03

Highest Channel / QPSK



Date: 2.MAR.2022 10:37:58



Frequency Stability

| Test Conditions | | LTE Band 7 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0025 | PASS |
| 40 | Normal Voltage | 0.0021 | |
| 30 | Normal Voltage | 0.0019 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0011 | |
| 0 | Normal Voltage | 0.0018 | |
| -10 | Normal Voltage | 0.0036 | |
| -20 | Normal Voltage | 0.0011 | |
| -30 | Normal Voltage | 0.0006 | |
| 20 | Maximum Voltage | 0.0012 | |
| 20 | Normal Voltage | 0.0026 | |
| 20 | Battery End Point | 0.0007 | |

Note:

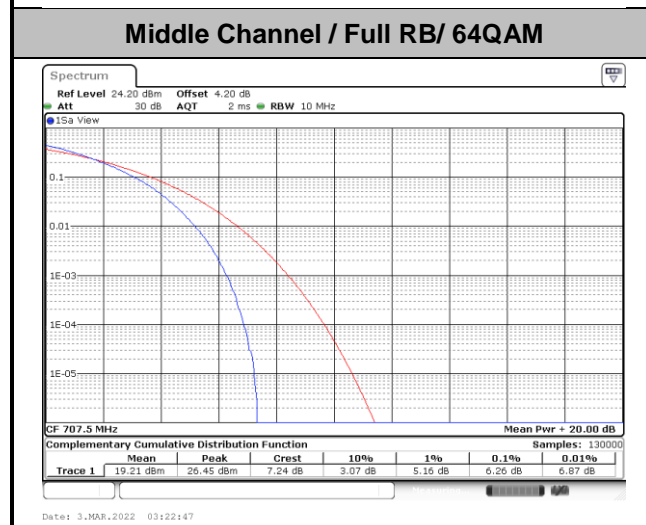
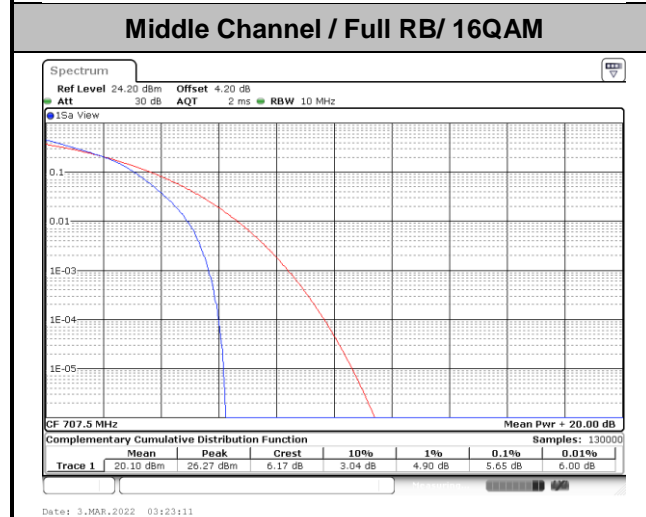
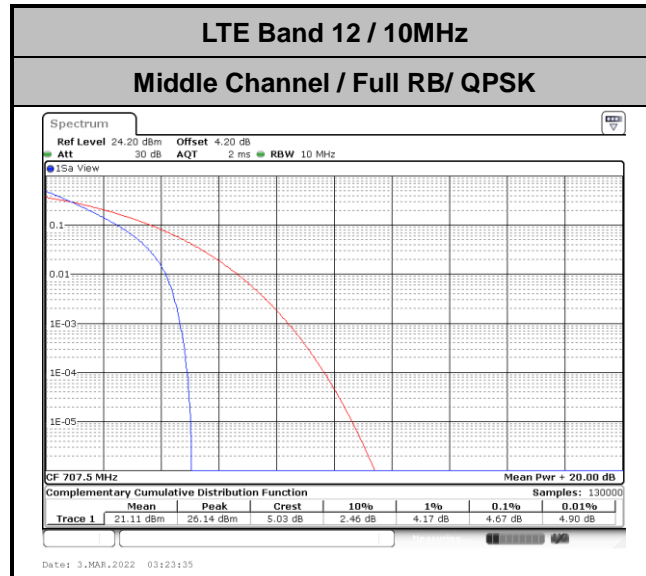
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

Peak-to-Average Ratio

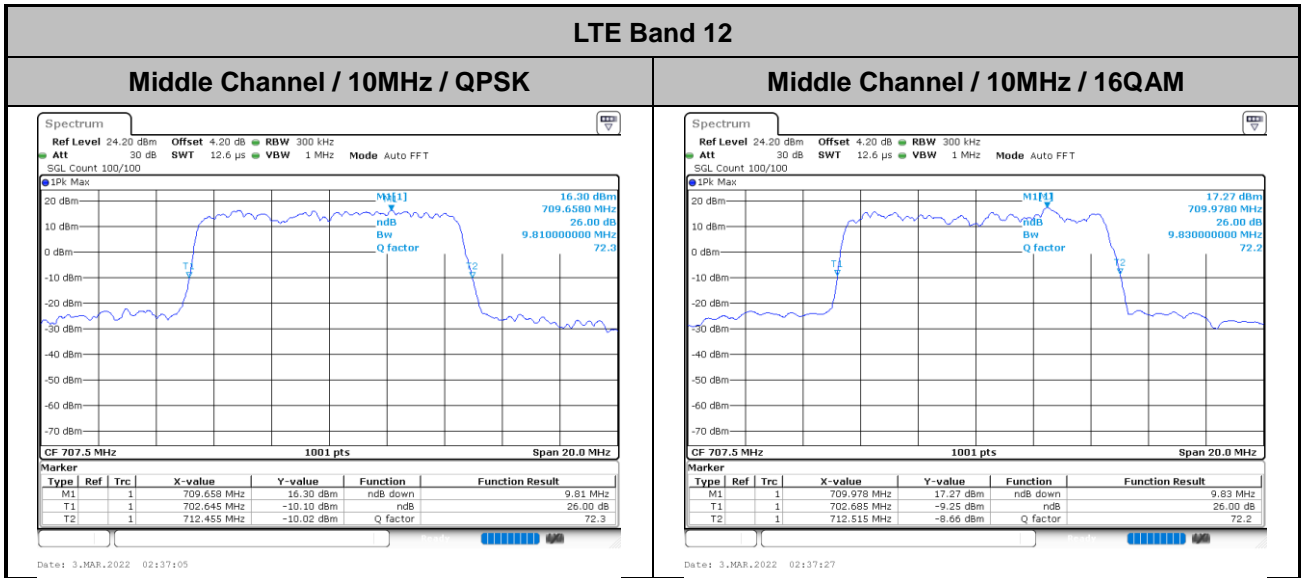
| Mode | LTE Band 12 / 10MHz | | | |
|-----------|---------------------|---------|---------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Result |
| Middle CH | 4.67 | 5.65 | 6.26 | PASS |





26dB Bandwidth

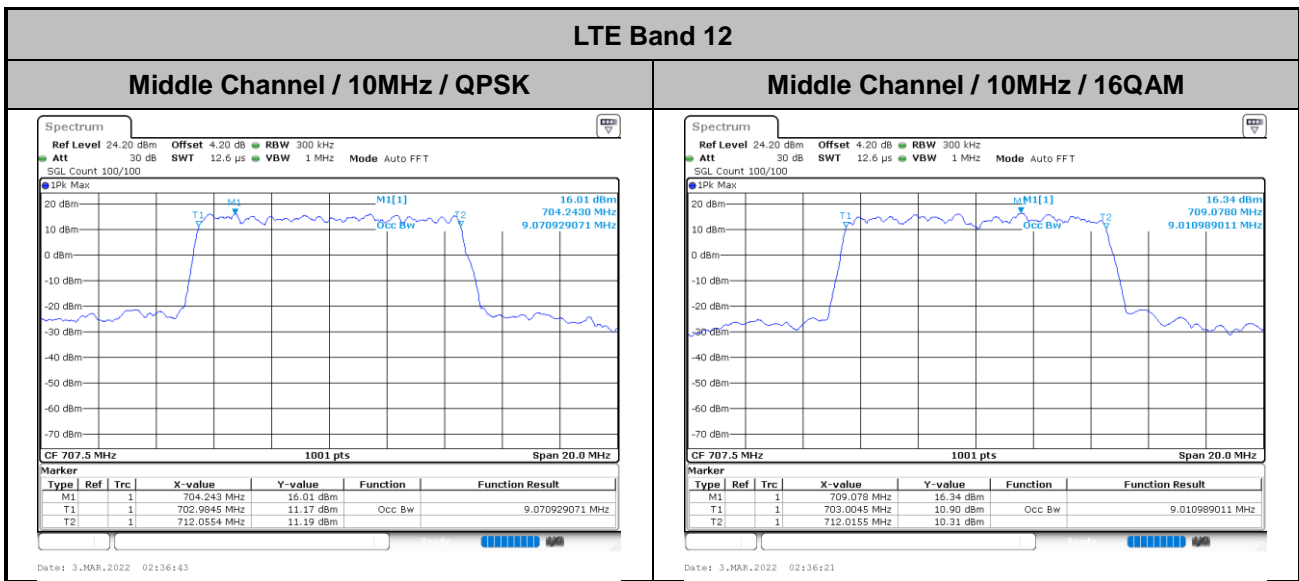
| | | |
|-----------|----------------------------|-------|
| Mode | LTE Band 12 : 26dB BW(MHz) | |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 9.81 | 9.83 |





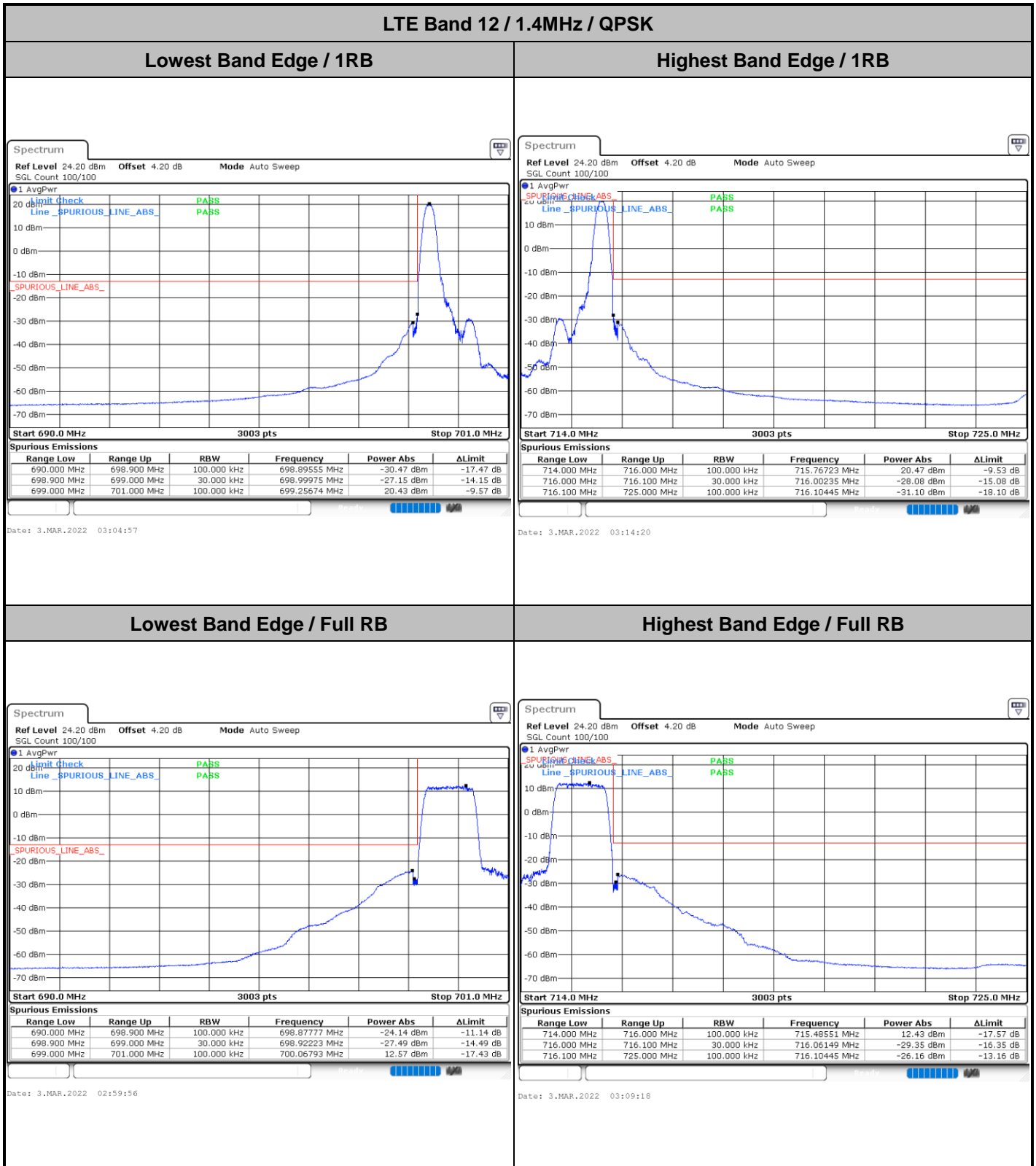
Occupied Bandwidth

| | | |
|-----------|---------------------------|-------|
| Mode | LTE Band 12 : 99%OBW(MHz) | |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 9.07 | 9.01 |





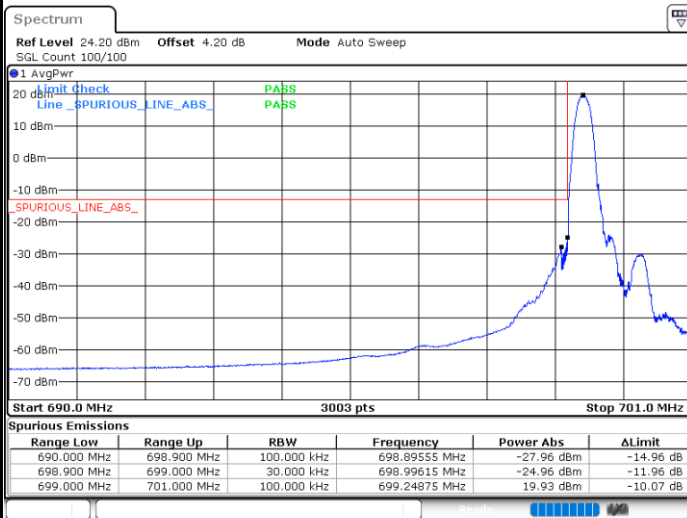
Conducted Band Edge



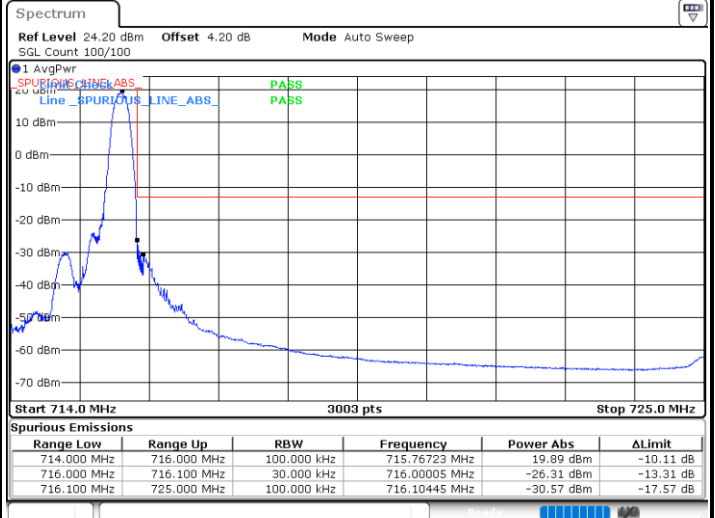


LTE Band 12 / 1.4MHz / 16QAM

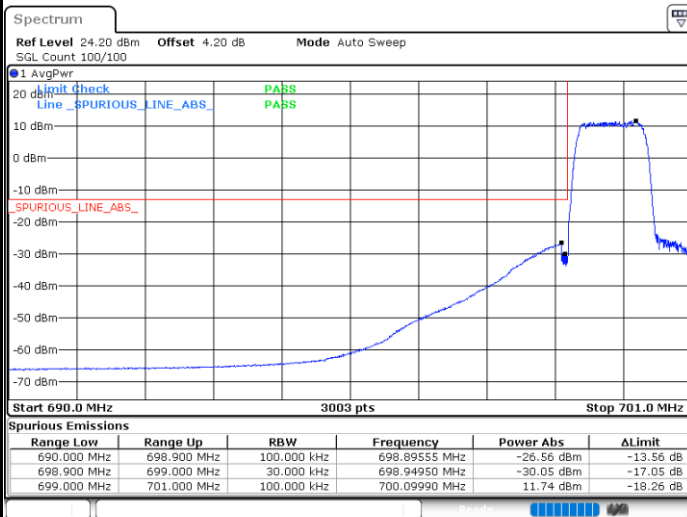
Lowest Band Edge / 1 RB



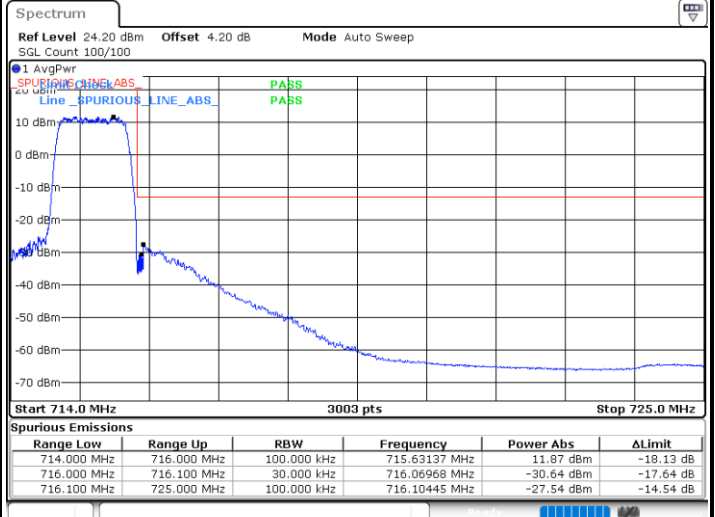
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



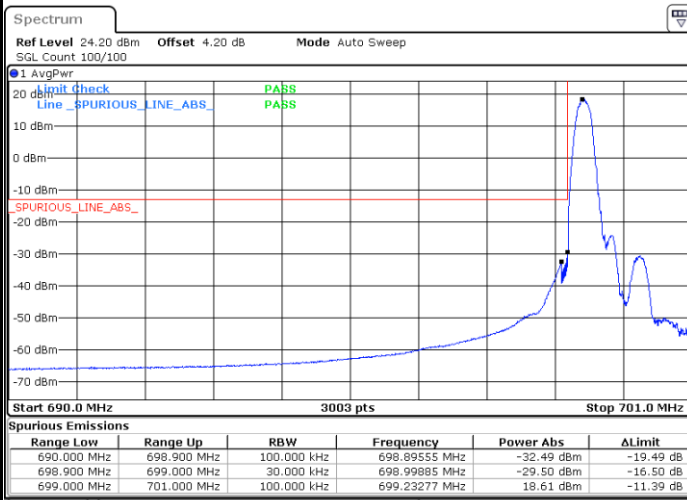
Highest Band Edge / Full RB





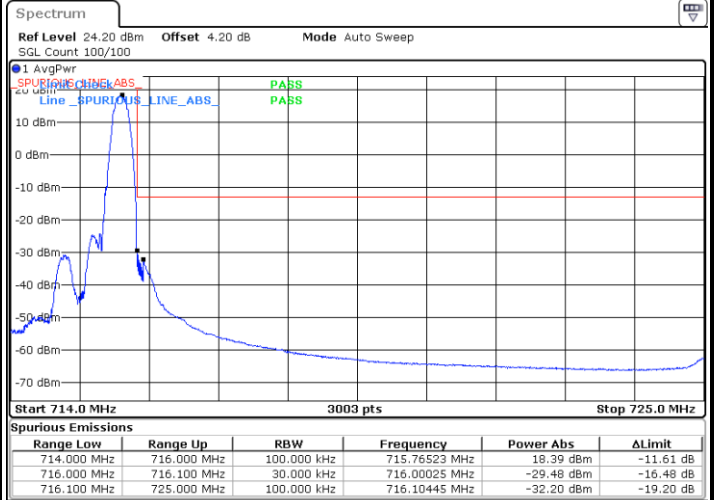
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



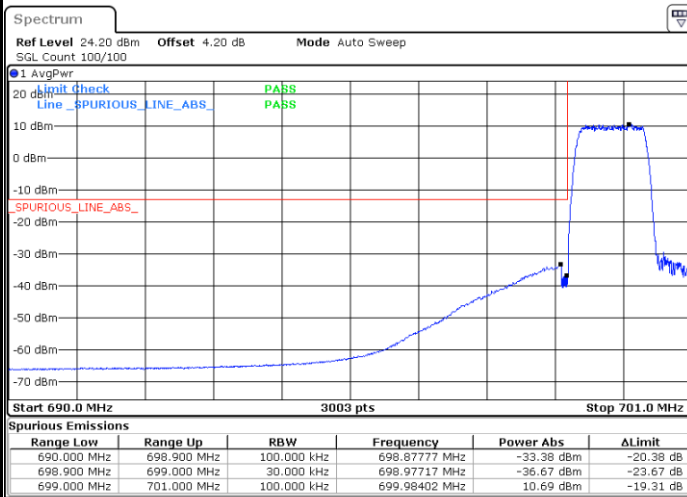
Date: 3.MAR.2022 03:19:01

Highest Band Edge / 1 RB



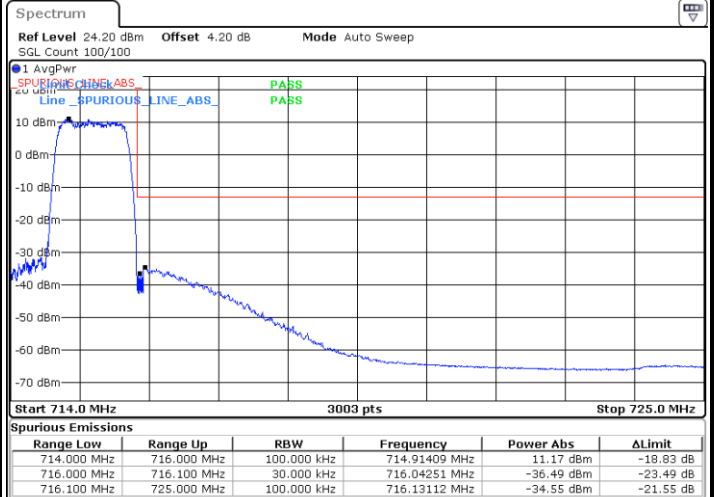
Date: 3.MAR.2022 03:22:22

Lowest Band Edge / Full RB



Date: 3.MAR.2022 03:17:21

Highest Band Edge / Full RB

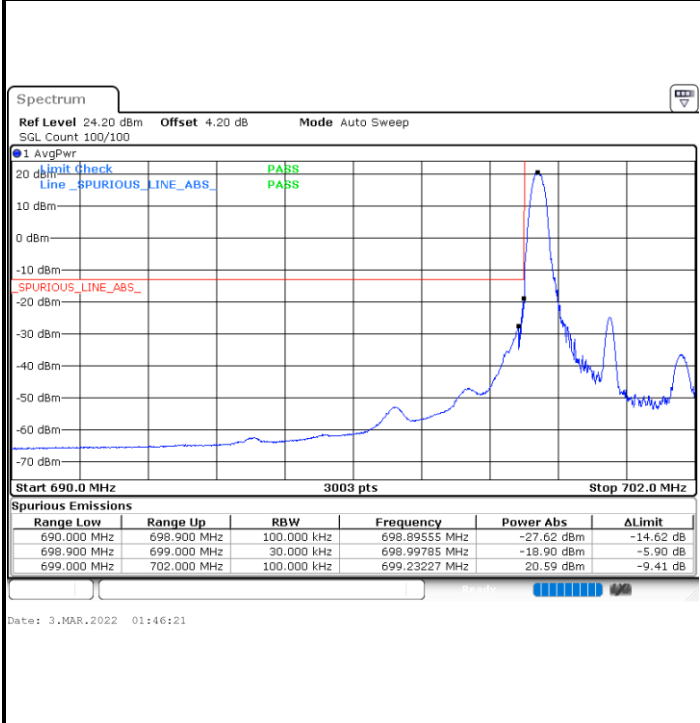


Date: 3.MAR.2022 03:20:42

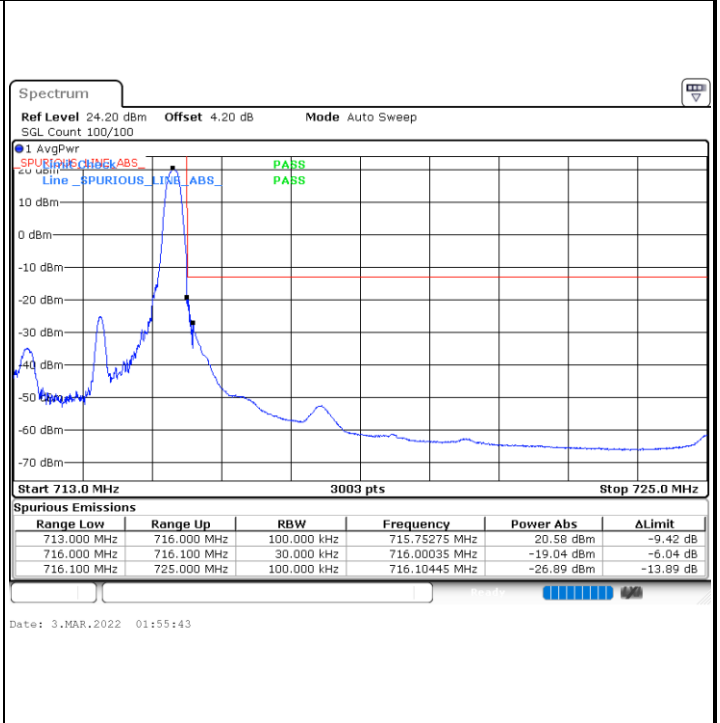


LTE Band 12 / 3MHz / QPSK

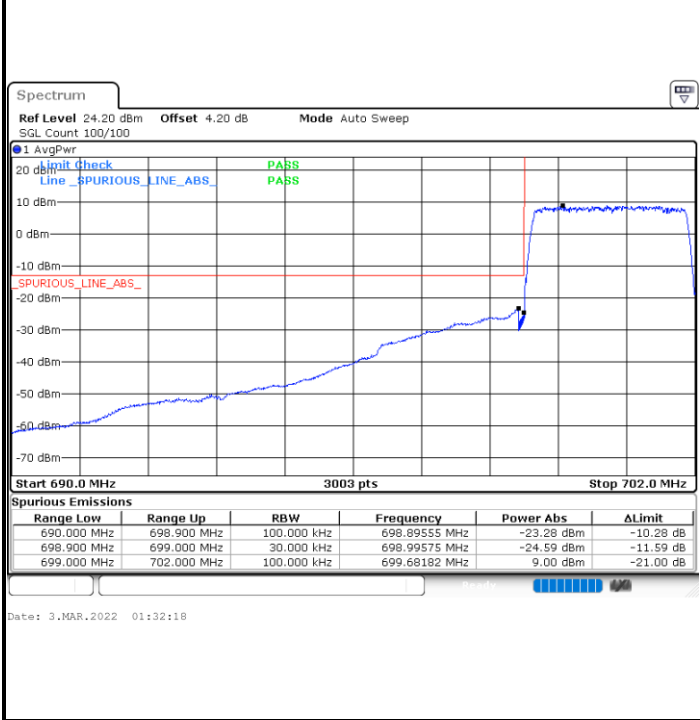
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



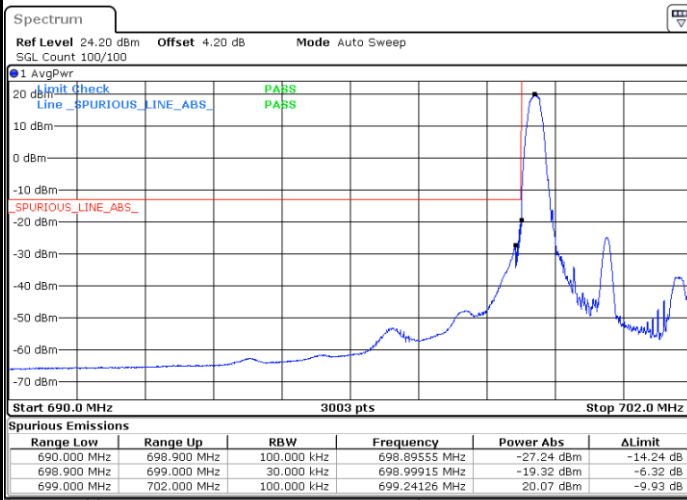
Highest Band Edge / Full RB





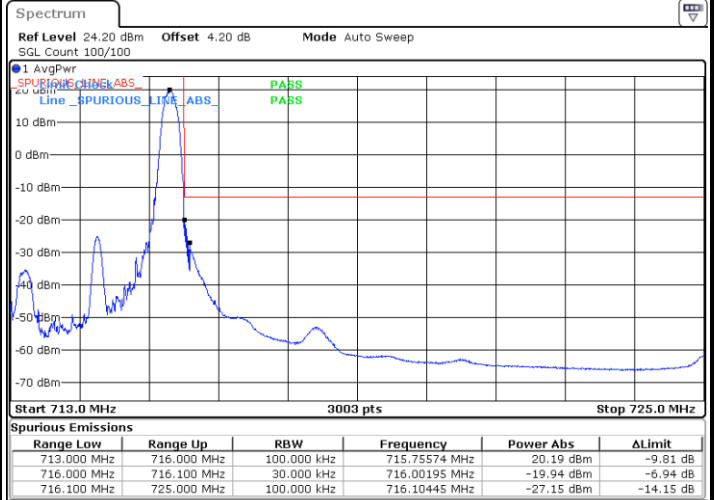
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



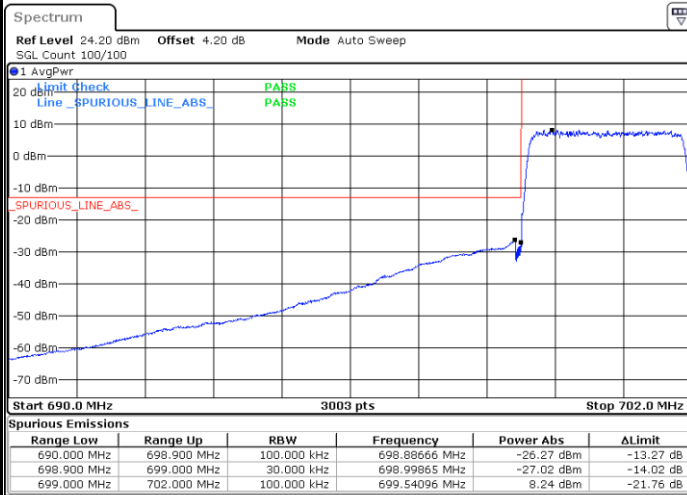
Date: 3.MAR.2022 01:35:39

Highest Band Edge / 1 RB



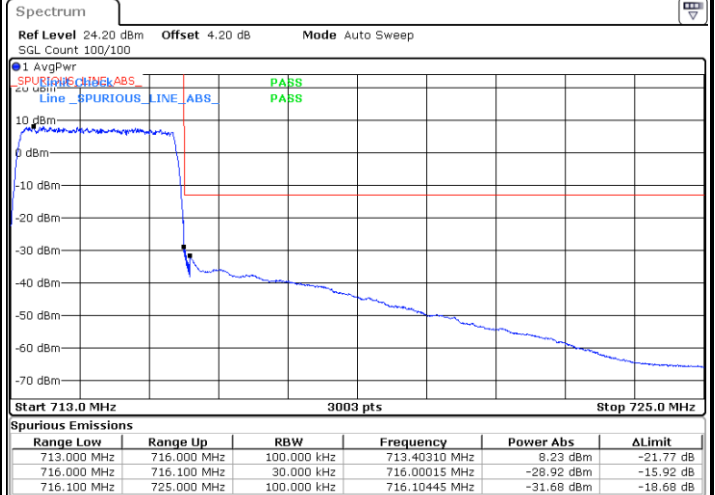
Date: 3.MAR.2022 01:54:03

Lowest Band Edge / Full RB



Date: 3.MAR.2022 01:33:59

Highest Band Edge / Full RB

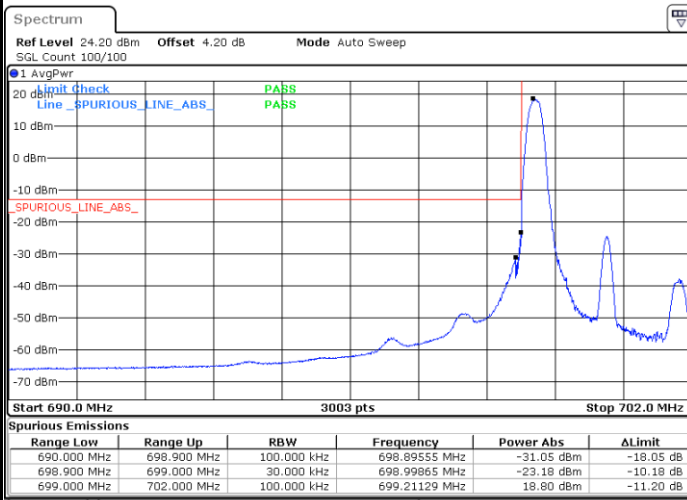


Date: 3.MAR.2022 01:52:22



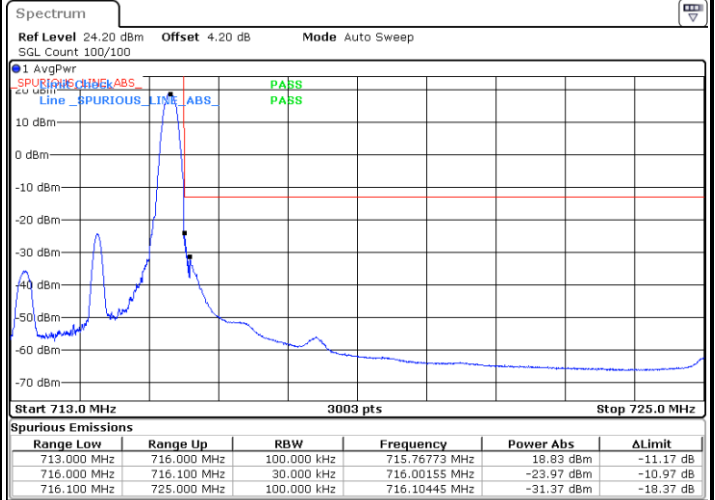
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



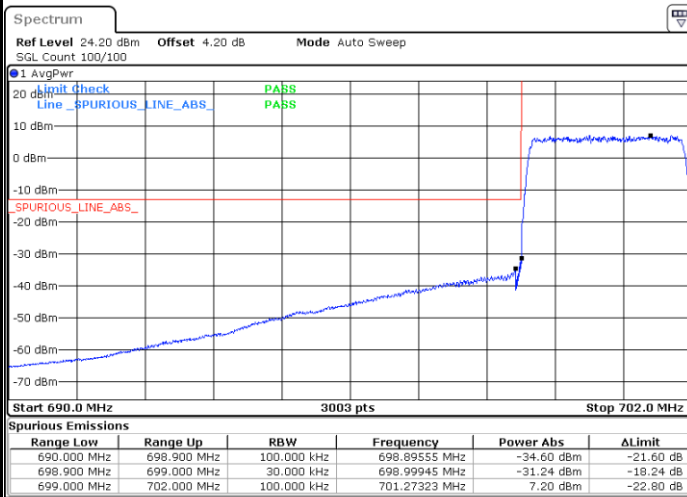
Date: 3.MAR.2022 02:00:24

Highest Band Edge / 1 RB



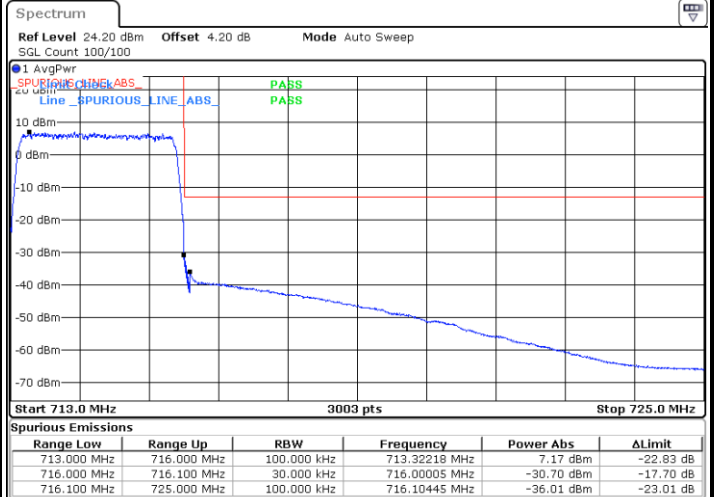
Date: 3.MAR.2022 02:03:45

Lowest Band Edge / Full RB



Date: 3.MAR.2022 01:58:44

Highest Band Edge / Full RB

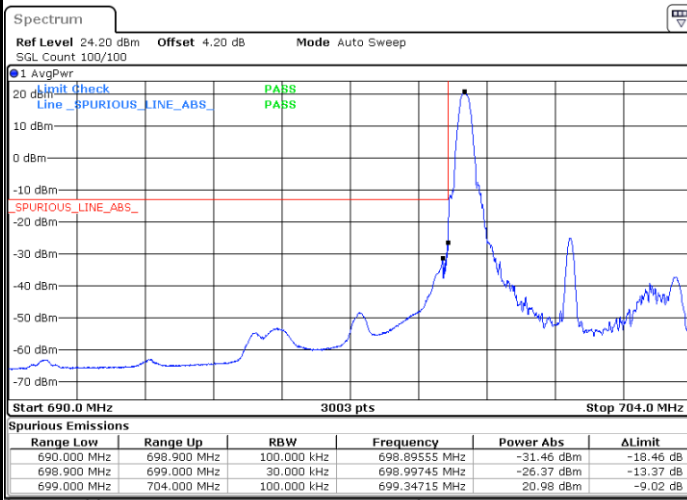


Date: 3.MAR.2022 02:02:05



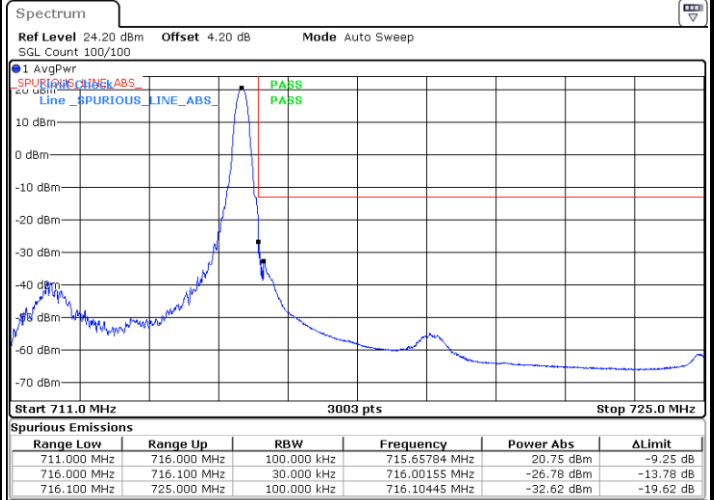
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



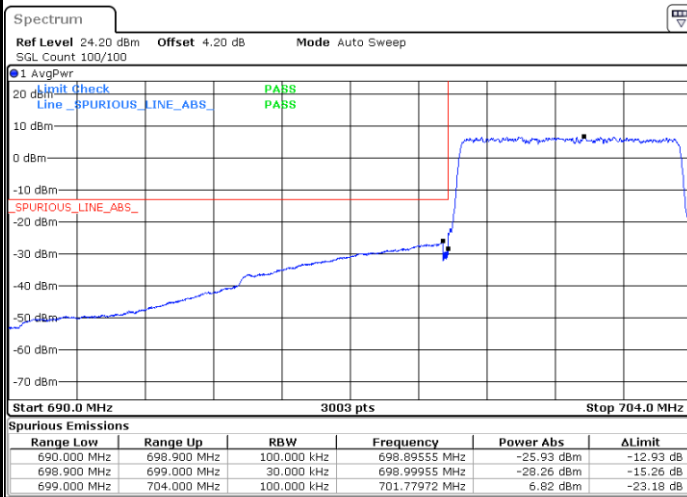
Date: 3.MAR.2022 02:17:12

Highest Band Edge / 1 RB



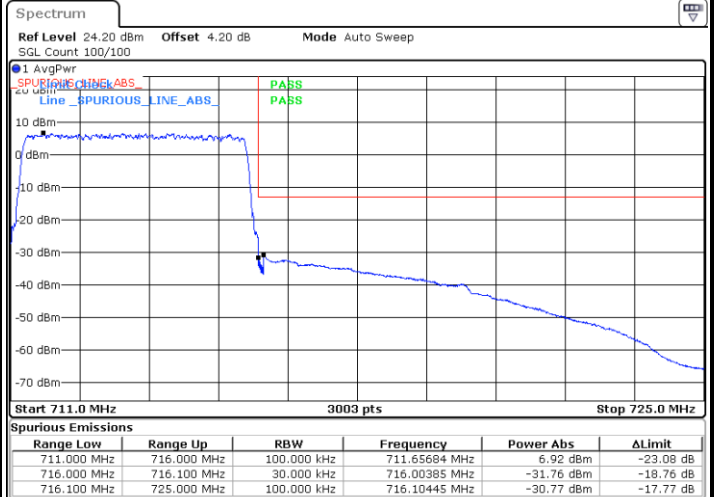
Date: 3.MAR.2022 02:24:54

Lowest Band Edge / Full RB



Date: 3.MAR.2022 02:12:09

Highest Band Edge / Full RB

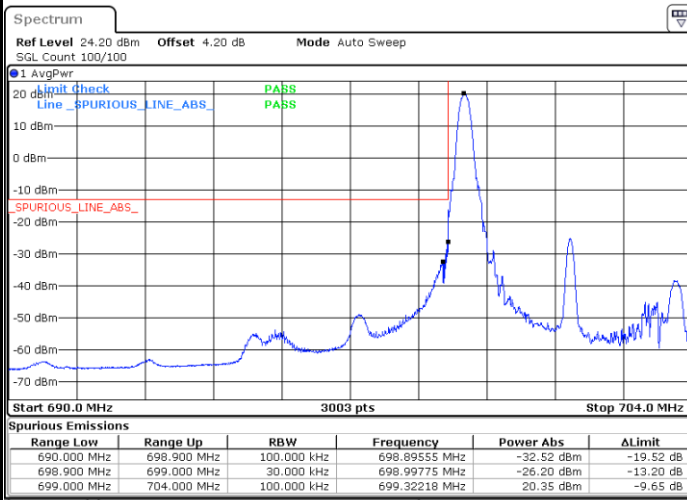


Date: 3.MAR.2022 02:21:33



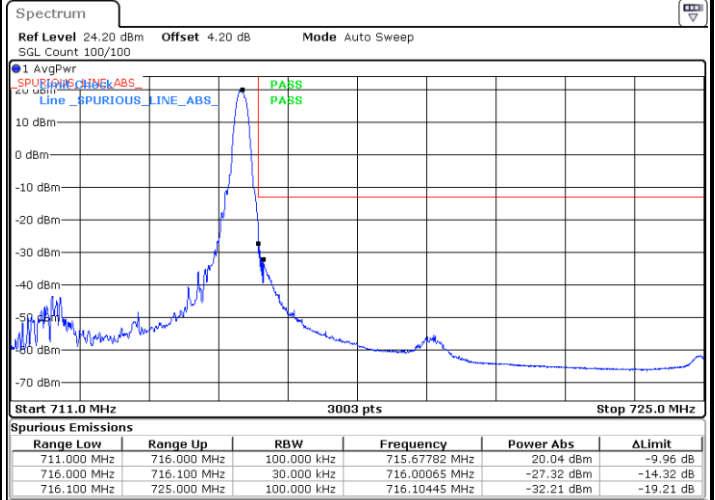
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



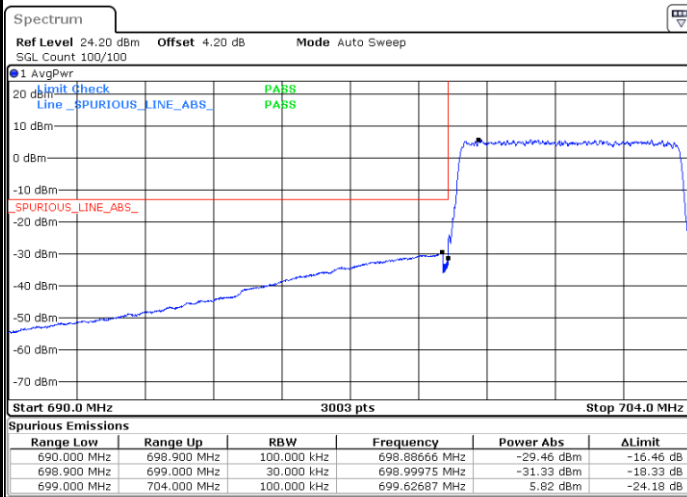
Date: 3.MAR.2022 02:15:31

Highest Band Edge / 1 RB



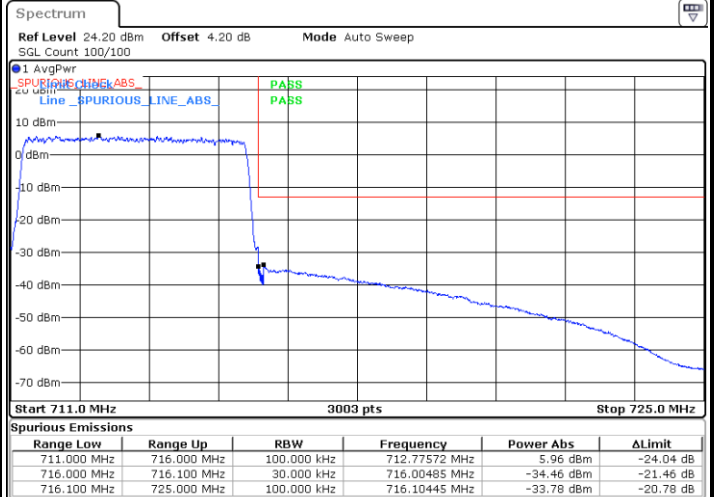
Date: 3.MAR.2022 02:26:34

Lowest Band Edge / Full RB



Date: 3.MAR.2022 02:13:51

Highest Band Edge / Full RB

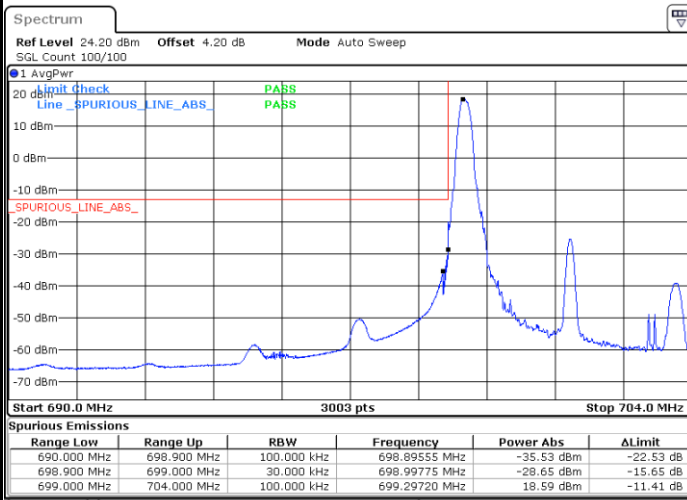


Date: 3.MAR.2022 02:23:13



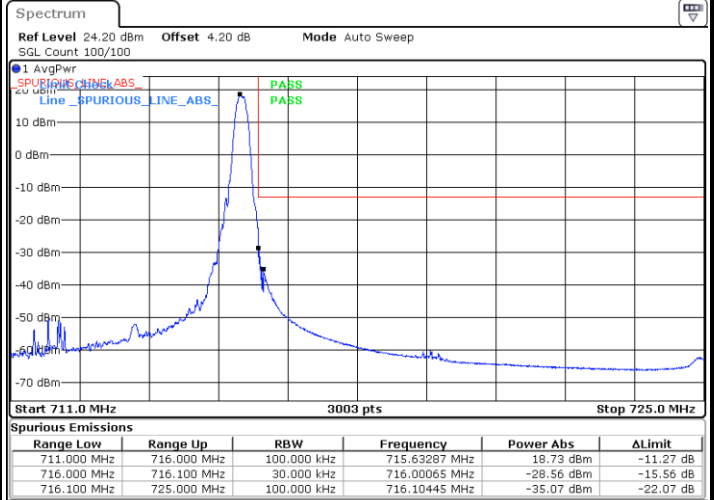
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



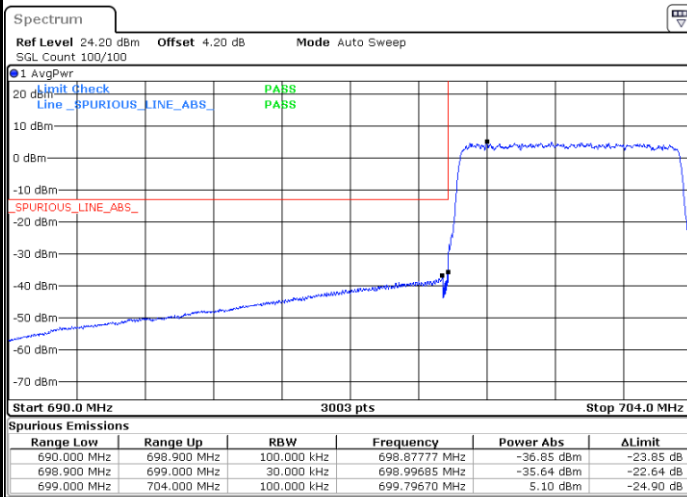
Date: 3.MAR.2022 02:07:07

Highest Band Edge / 1 RB



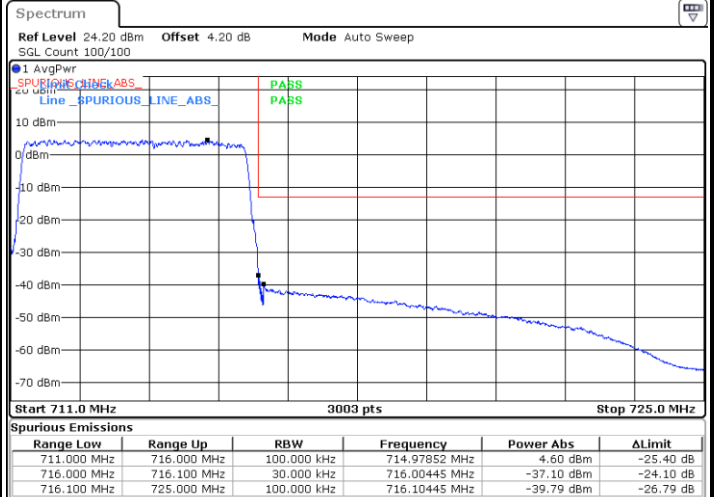
Date: 3.MAR.2022 02:10:29

Lowest Band Edge / Full RB



Date: 3.MAR.2022 02:05:27

Highest Band Edge / Full RB

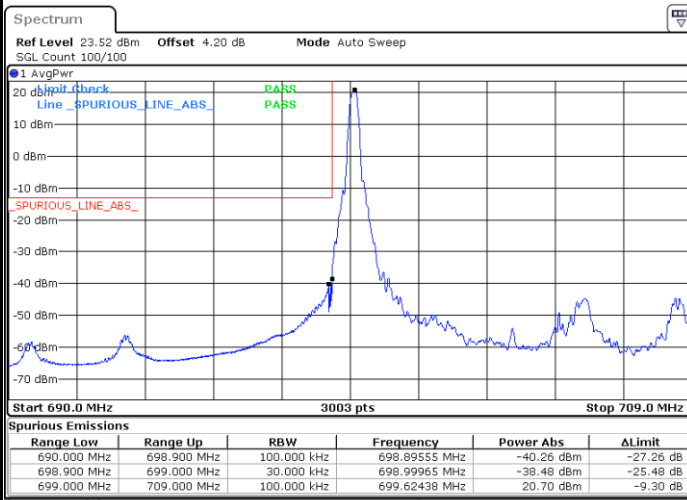


Date: 3.MAR.2022 02:08:48



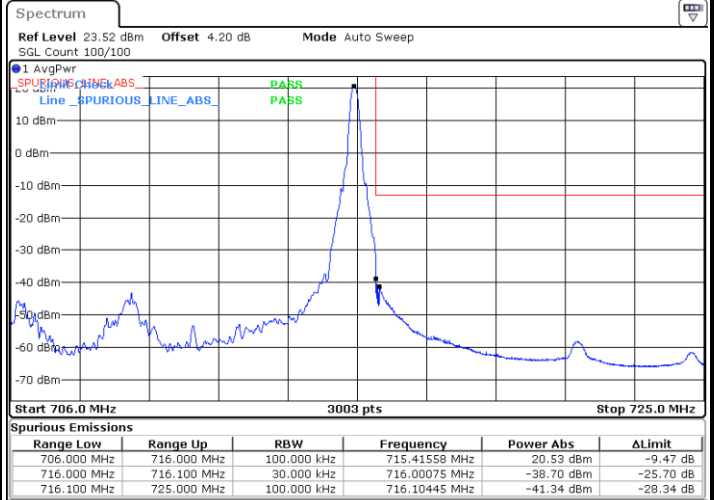
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



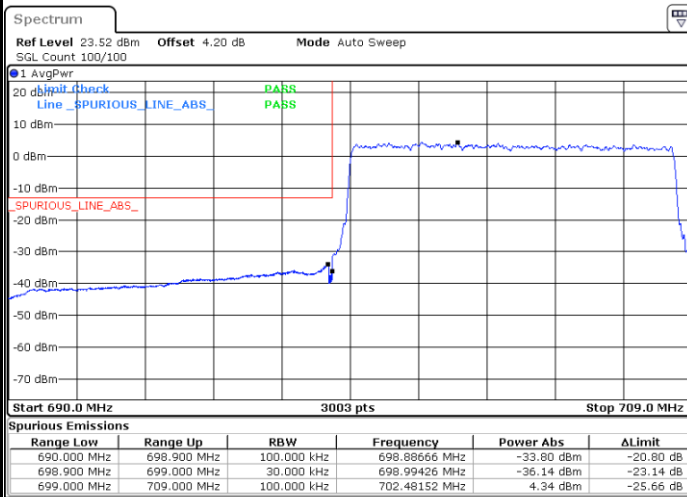
Date: 3.MAR.2022 02:34:39

Highest Band Edge / 1 RB



Date: 3.MAR.2022 02:50:12

Lowest Band Edge / Full RB



Date: 3.MAR.2022 02:29:37

Highest Band Edge / Full RB

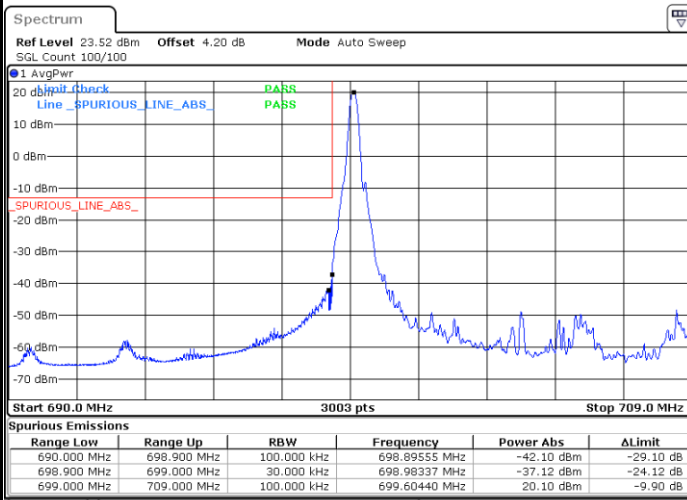


Date: 3.MAR.2022 02:45:10



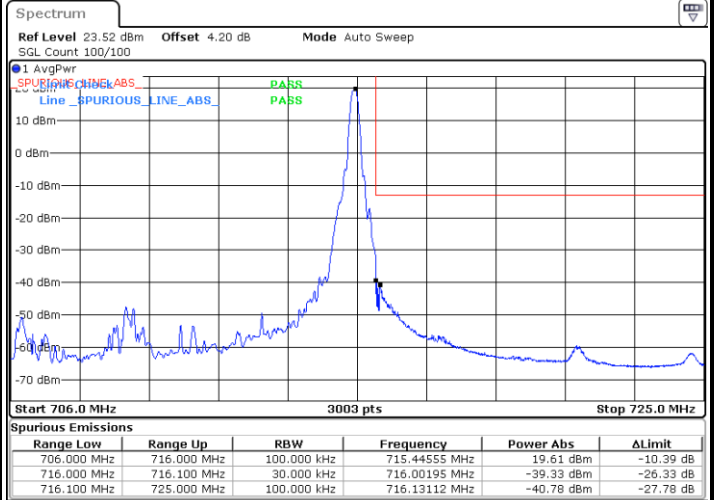
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



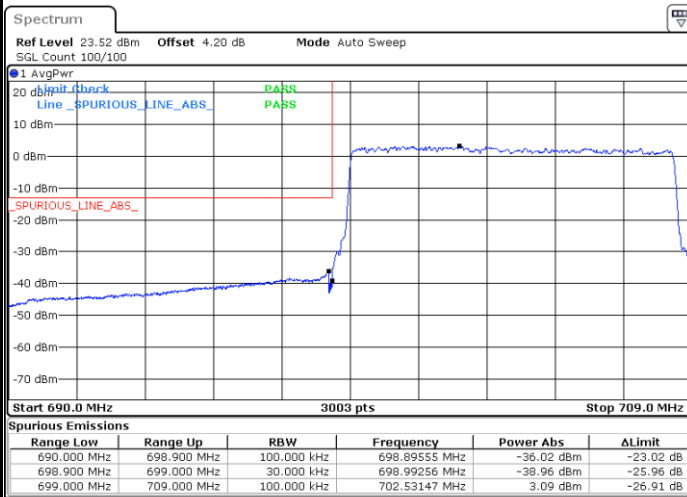
Date: 3.MAR.2022 02:32:58

Highest Band Edge / 1 RB



Date: 3.MAR.2022 02:48:31

Lowest Band Edge / Full RB



Date: 3.MAR.2022 02:31:18

Highest Band Edge / Full RB

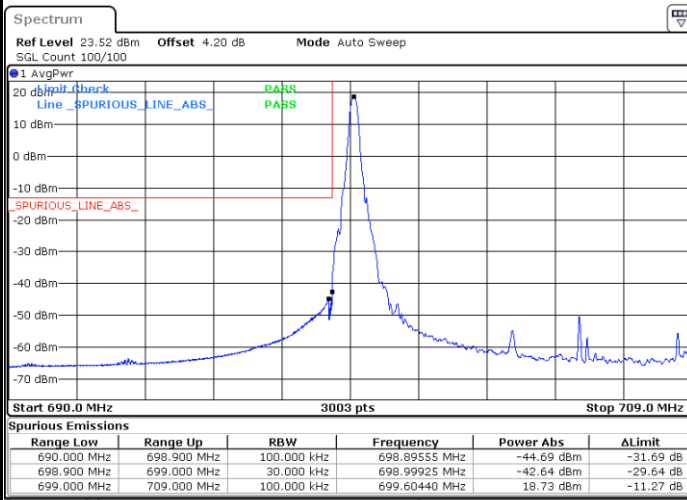


Date: 3.MAR.2022 02:46:51



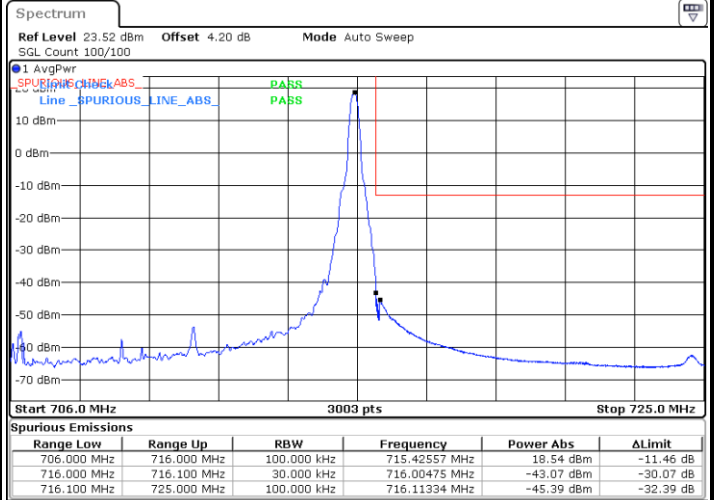
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



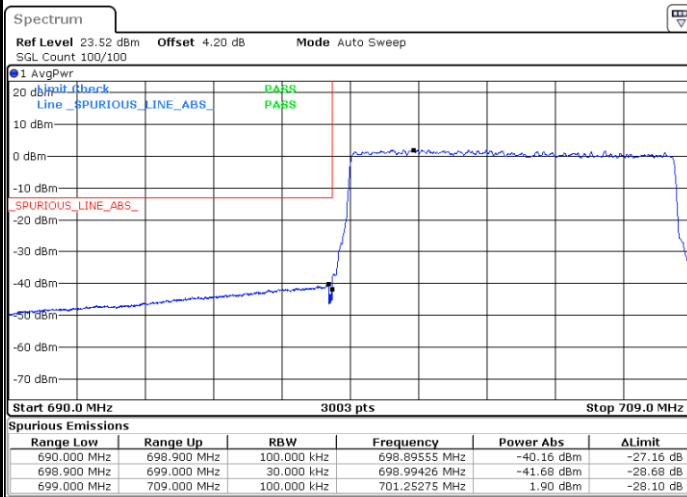
Date: 3.MAR.2022 02:54:53

Highest Band Edge / 1 RB



Date: 3.MAR.2022 02:56:14

Lowest Band Edge / Full RB



Date: 3.MAR.2022 02:53:13

Highest Band Edge / Full RB



Date: 3.MAR.2022 02:56:34