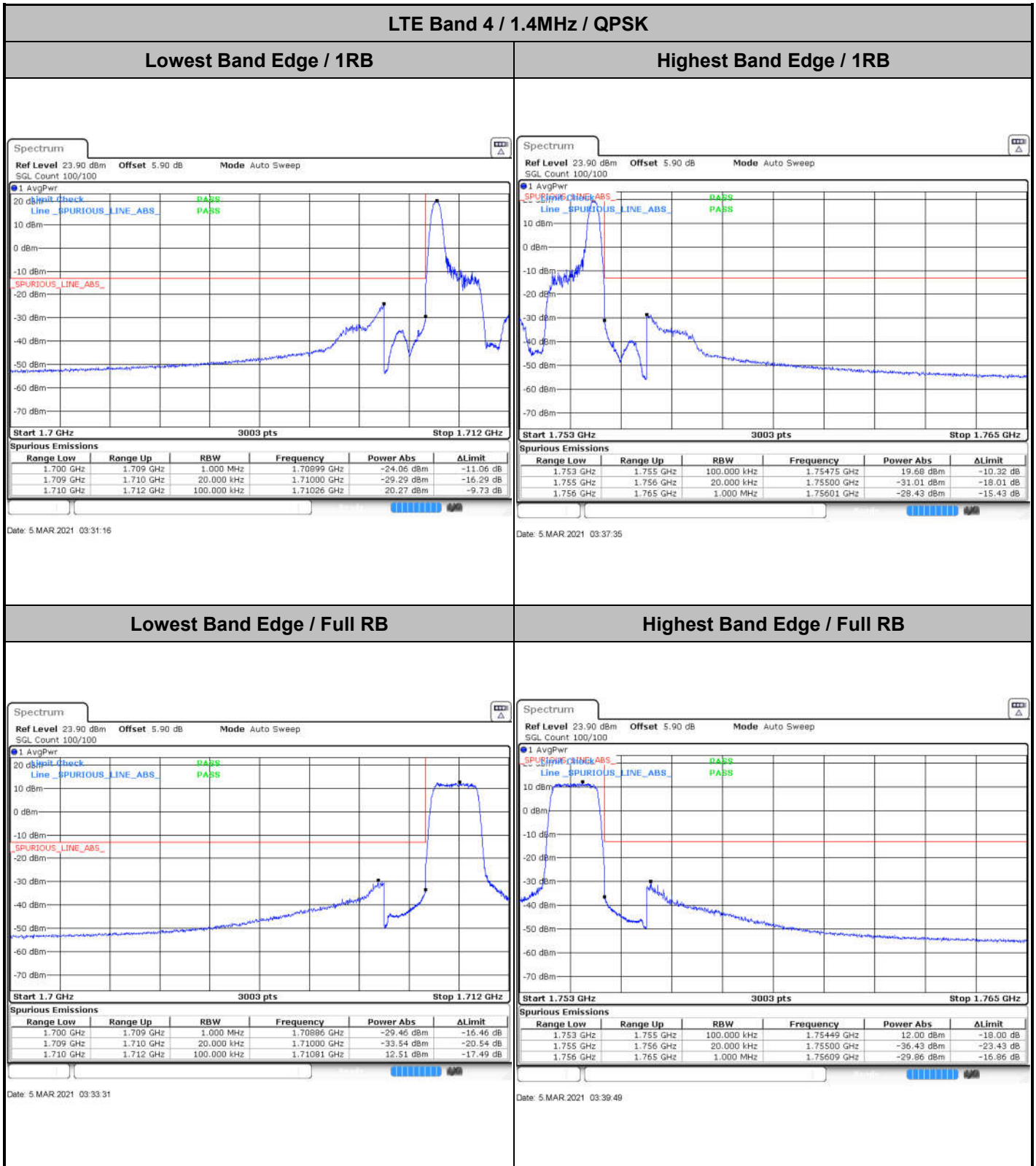




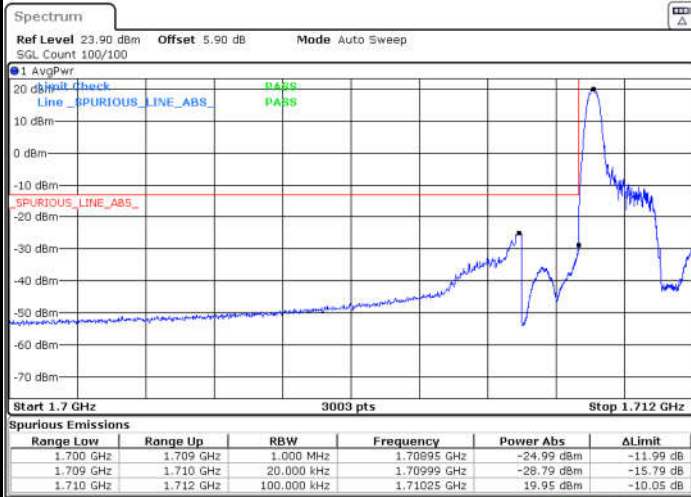
Conducted Band Edge





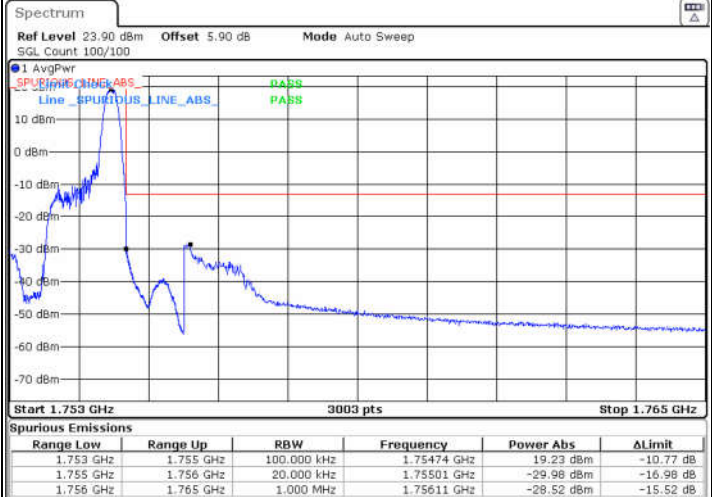
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



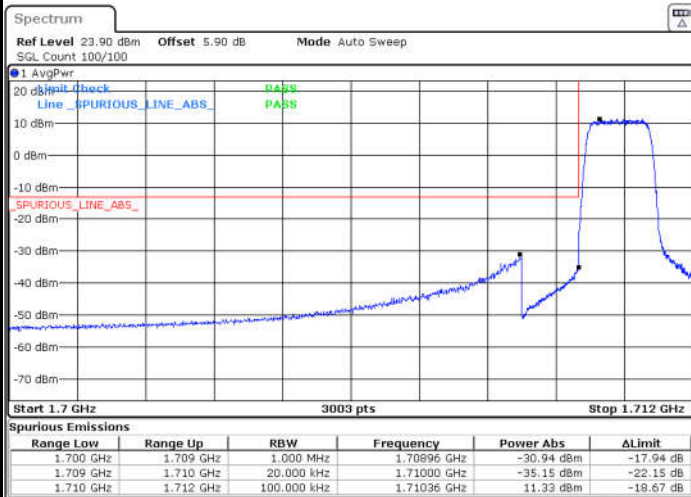
Date: 5 MAR 2021 03:32:23

Highest Band Edge / 1 RB



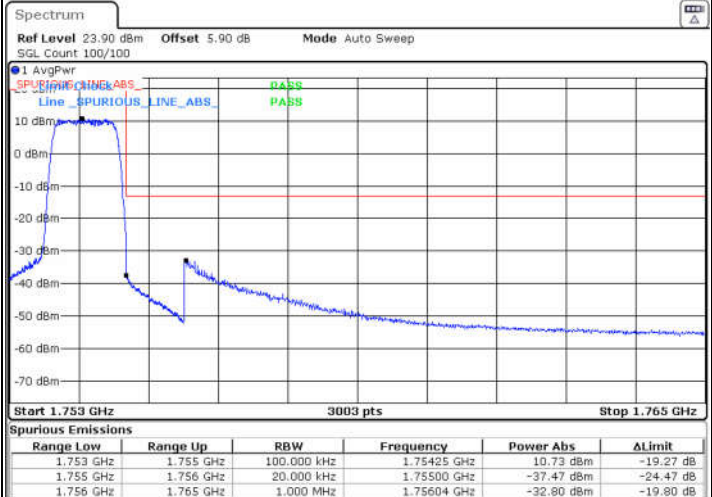
Date: 5 MAR 2021 03:38:42

Lowest Band Edge / Full RB



Date: 5 MAR 2021 03:34:38

Highest Band Edge / Full RB

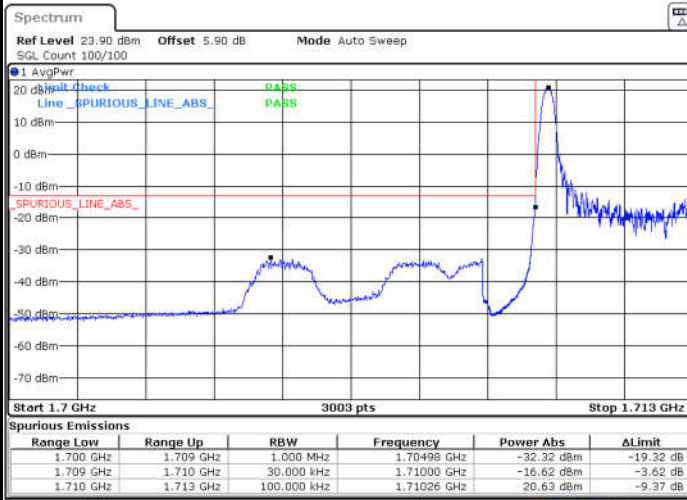


Date: 5 MAR 2021 03:40:57



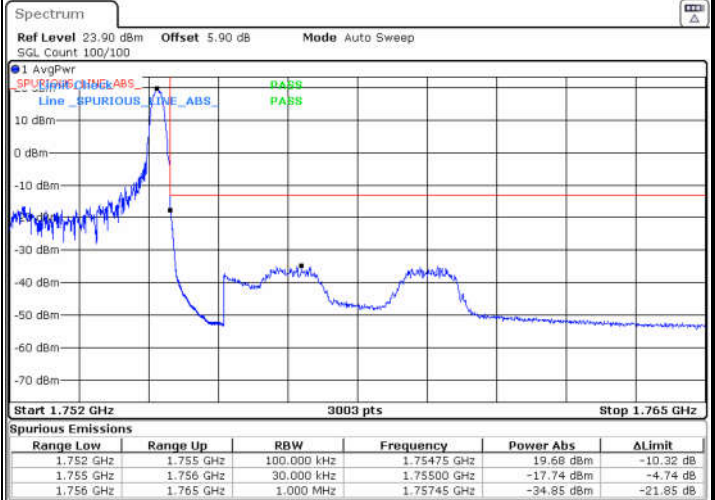
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



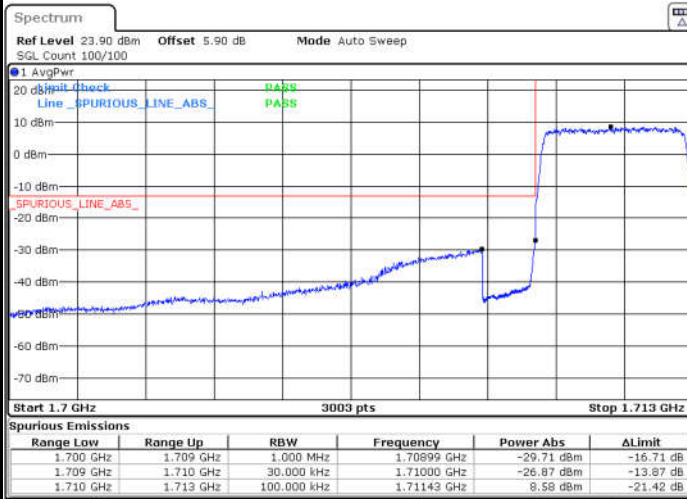
Date: 5 MAR 2021 03:42:59

Highest Band Edge / 1 RB



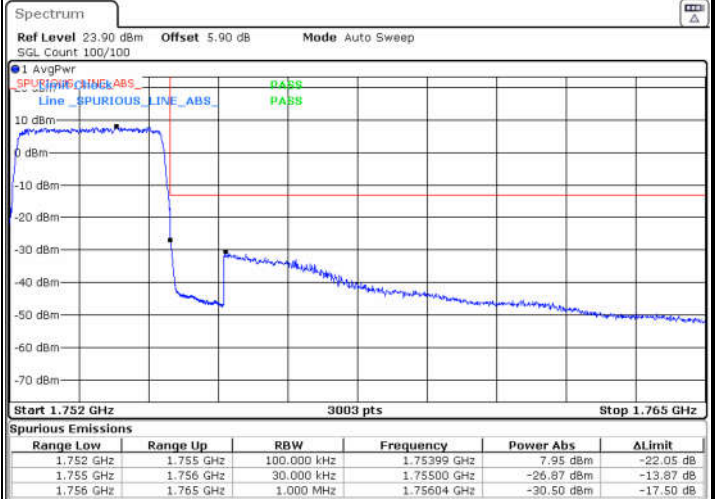
Date: 5 MAR 2021 03:49:17

Lowest Band Edge / Full RB



Date: 5 MAR 2021 03:45:14

Highest Band Edge / Full RB

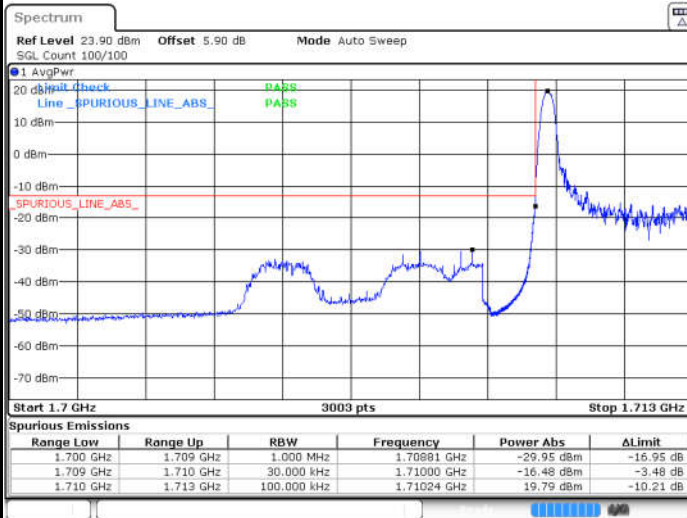


Date: 5 MAR 2021 03:51:32



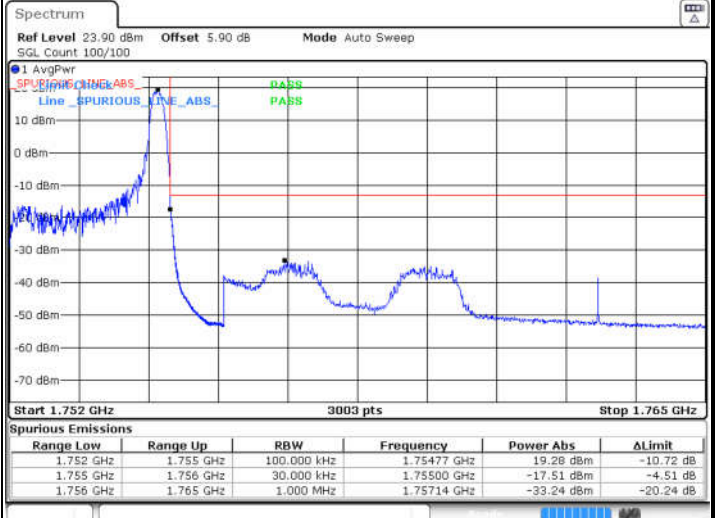
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



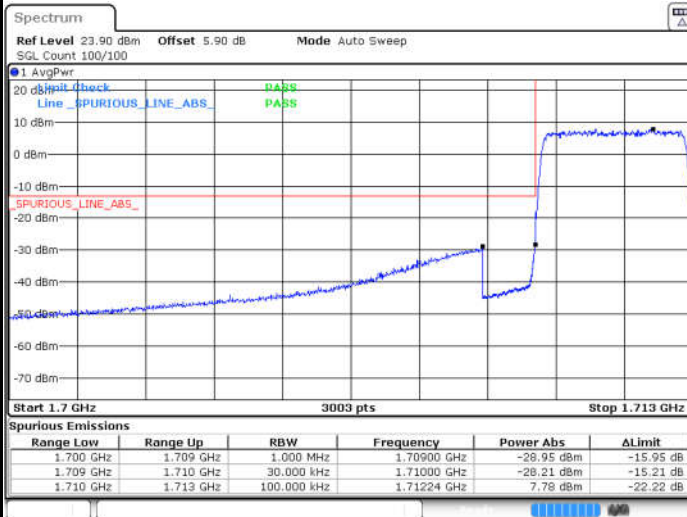
Date: 5 MAR 2021 03:44:06

Highest Band Edge / 1 RB



Date: 5 MAR 2021 03:50:25

Lowest Band Edge / Full RB



Date: 5 MAR 2021 03:46:21

Highest Band Edge / Full RB

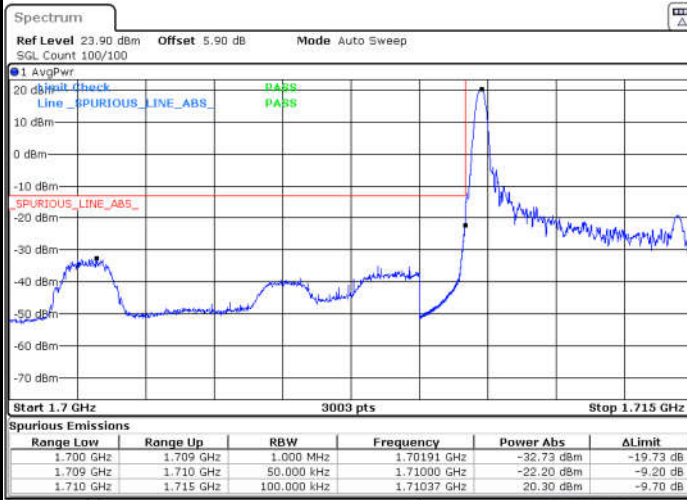


Date: 5 MAR 2021 03:52:40



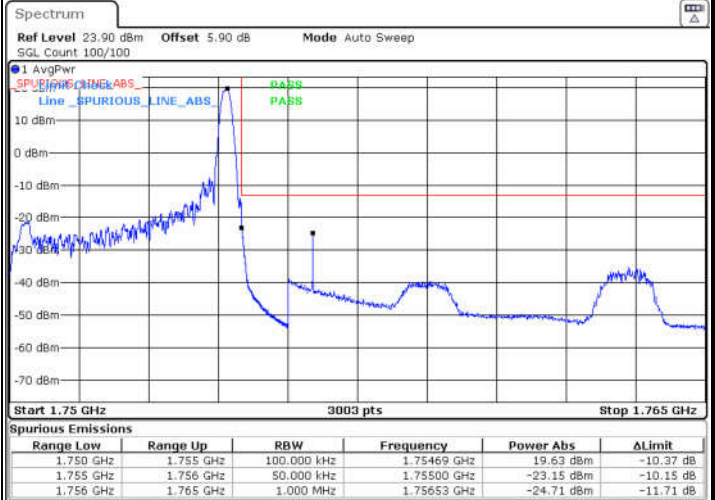
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 5 MAR 2021 03:54:41

Highest Band Edge / 1 RB



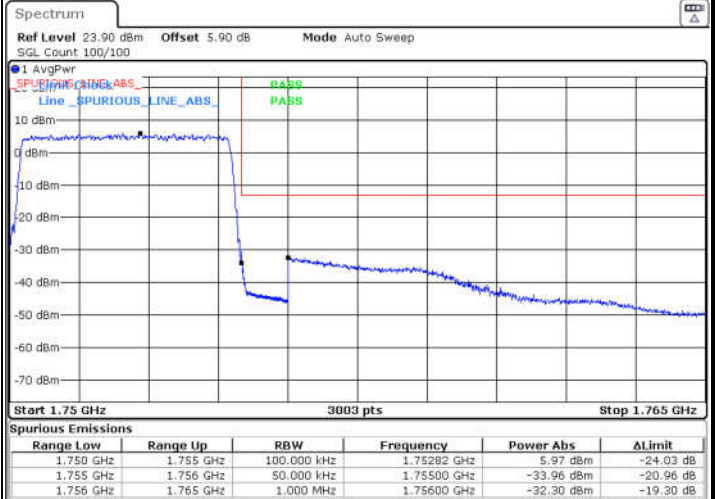
Date: 5 MAR 2021 04:01:00

Lowest Band Edge / Full RB



Date: 5 MAR 2021 03:56:56

Highest Band Edge / Full RB

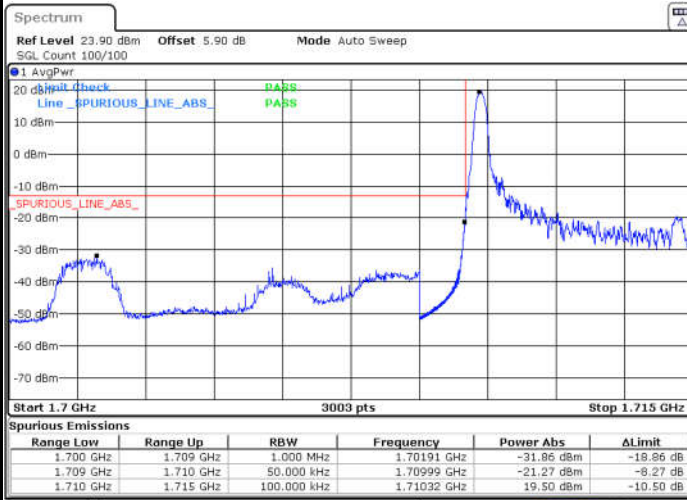


Date: 5 MAR 2021 04:03:15



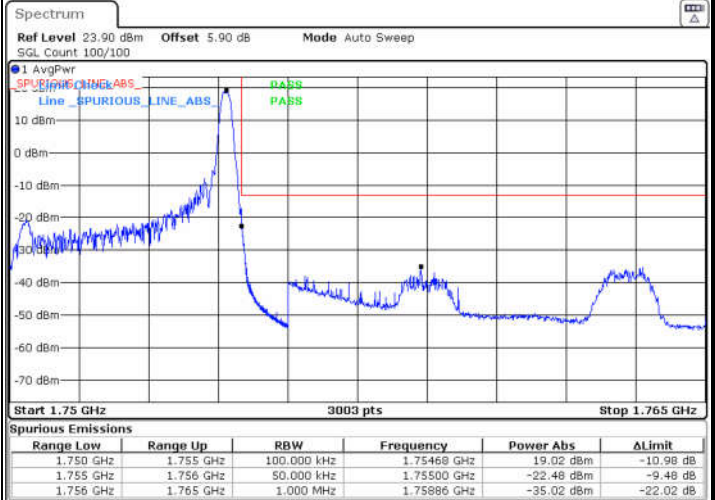
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 5 MAR 2021 03:55:49

Highest Band Edge / 1 RB



Date: 5 MAR 2021 04:02:07

Lowest Band Edge / Full RB



Date: 5 MAR 2021 03:58:04

Highest Band Edge / Full RB

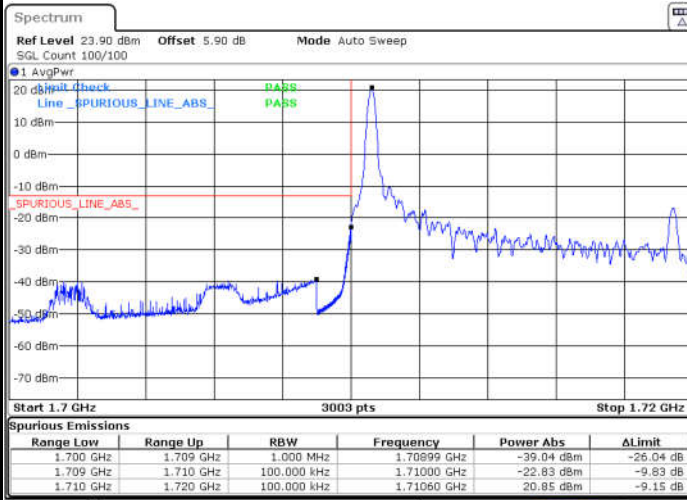


Date: 5 MAR 2021 04:04:22



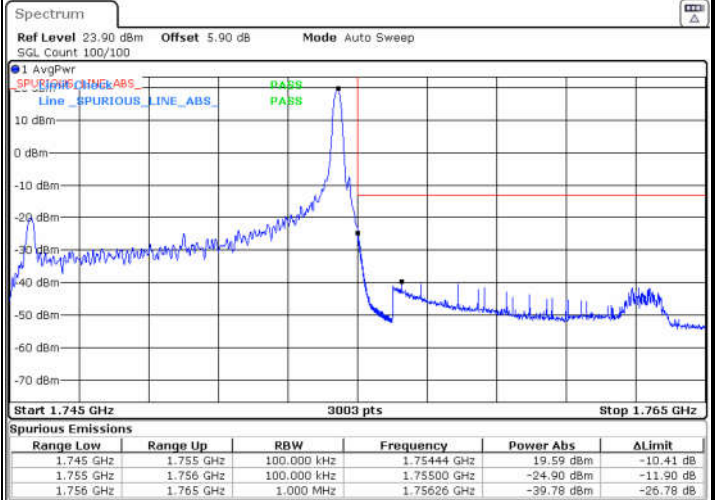
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



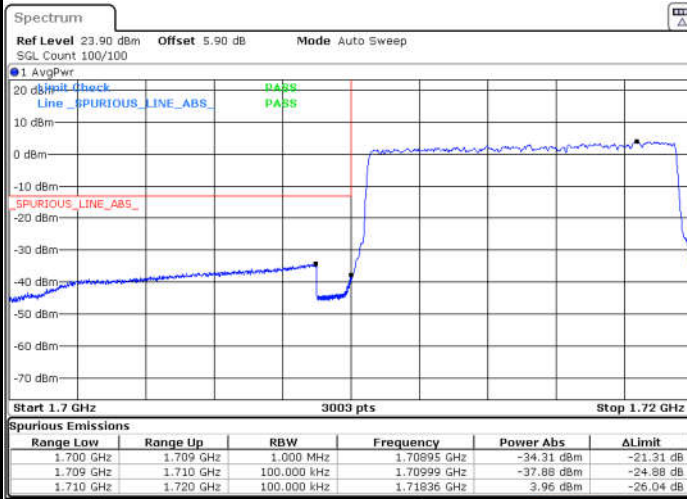
Date: 5 MAR 2021 04:06:24

Highest Band Edge / 1 RB



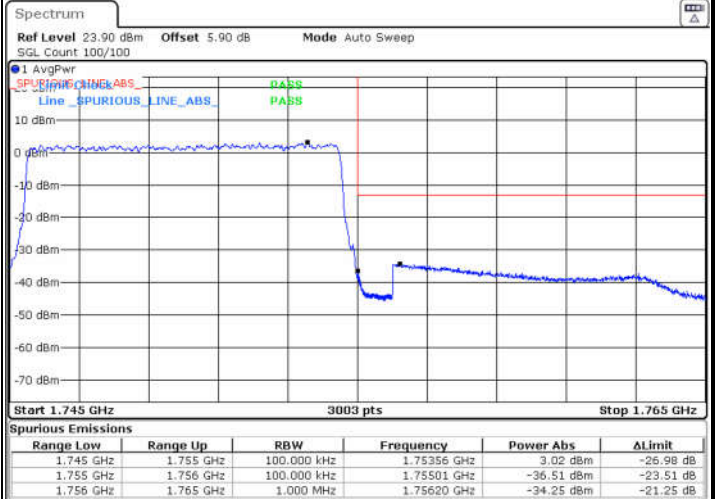
Date: 5 MAR 2021 04:12:43

Lowest Band Edge / Full RB



Date: 5 MAR 2021 04:08:39

Highest Band Edge / Full RB

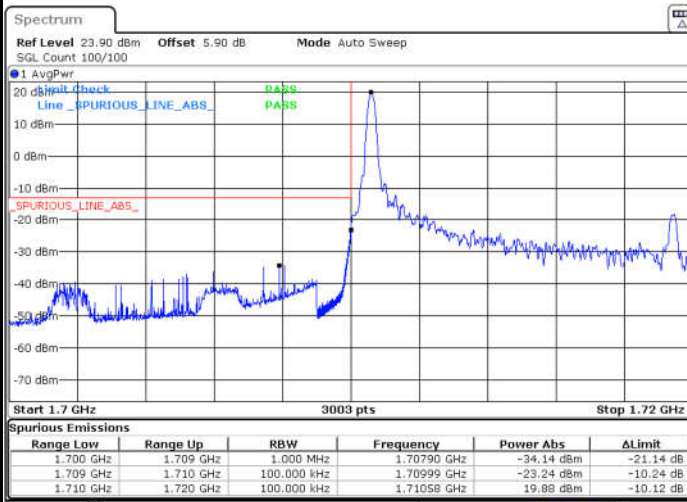


Date: 5 MAR 2021 04:14:57



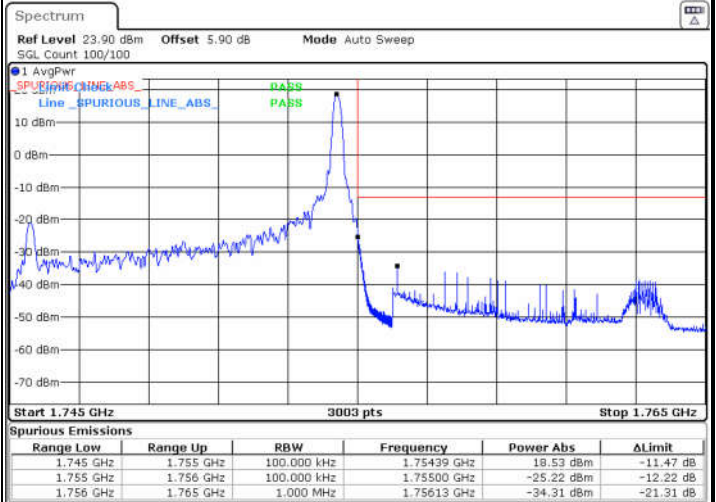
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



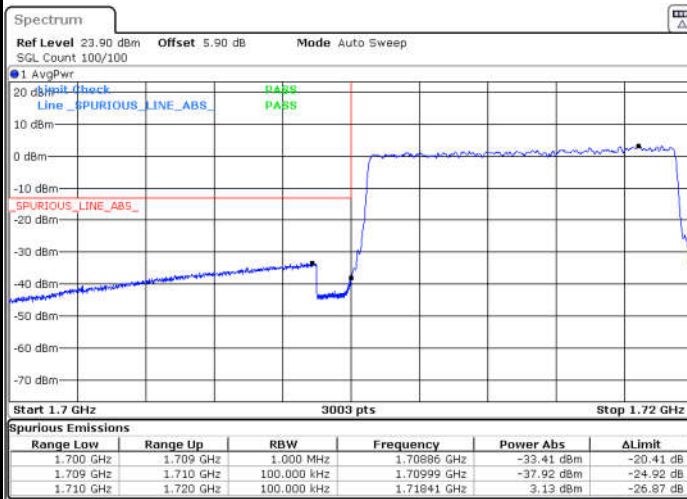
Date: 5 MAR 2021 04:07:31

Highest Band Edge / 1 RB



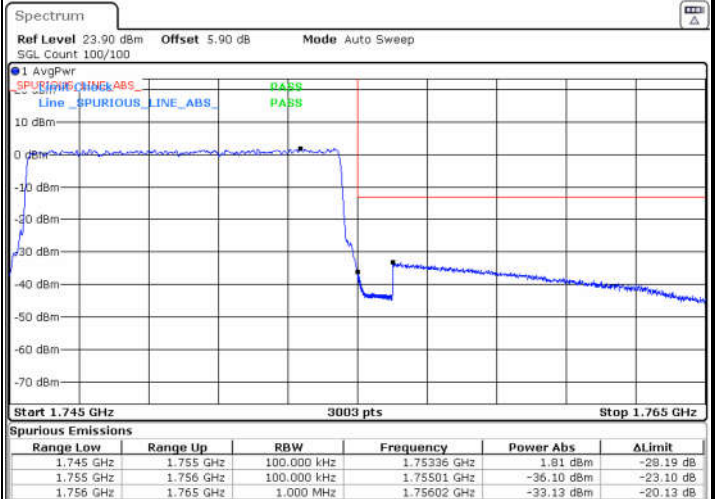
Date: 5 MAR 2021 04:13:50

Lowest Band Edge / Full RB



Date: 5 MAR 2021 04:09:48

Highest Band Edge / Full RB

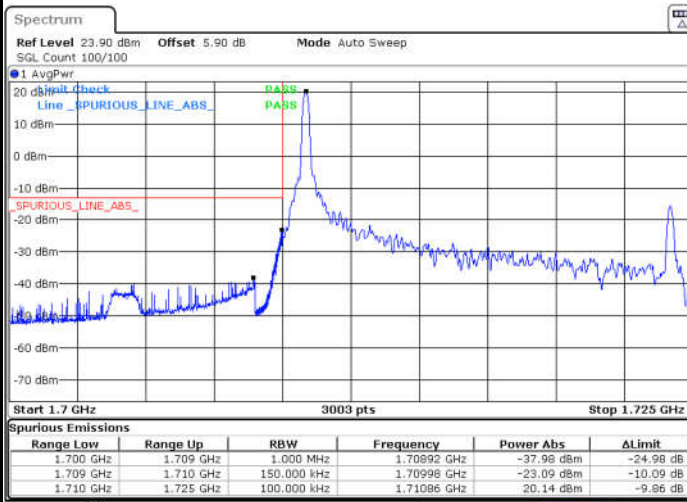


Date: 5 MAR 2021 04:16:05



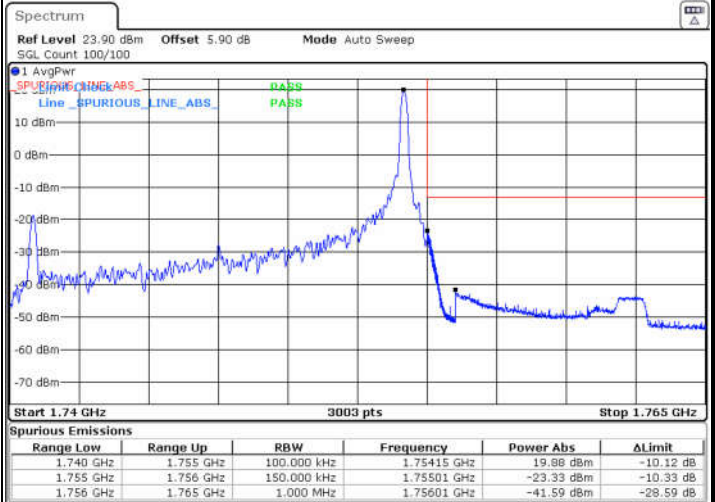
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



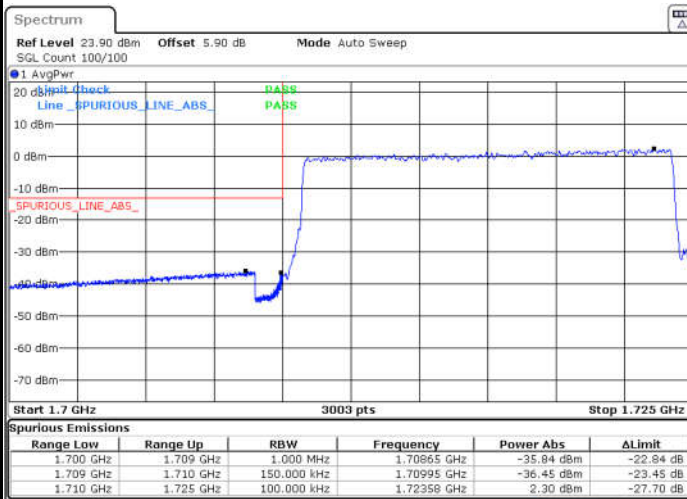
Date: 5 MAR 2021 04:18:06

Highest Band Edge / 1 RB



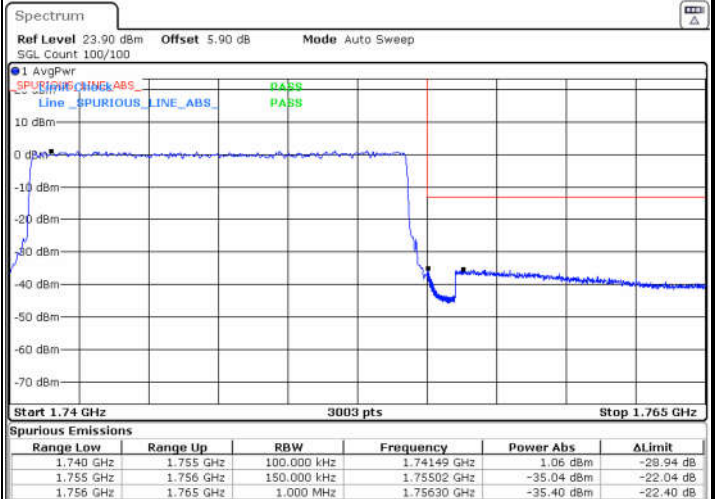
Date: 5 MAR 2021 04:24:25

Lowest Band Edge / Full RB



Date: 5 MAR 2021 04:20:21

Highest Band Edge / Full RB

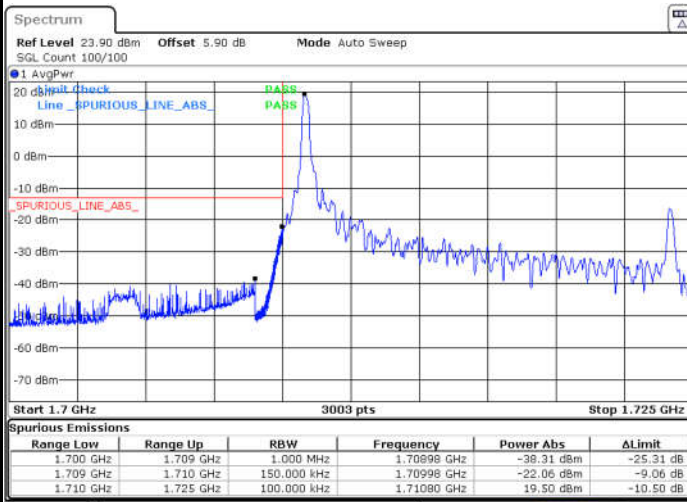


Date: 5 MAR 2021 04:26:40



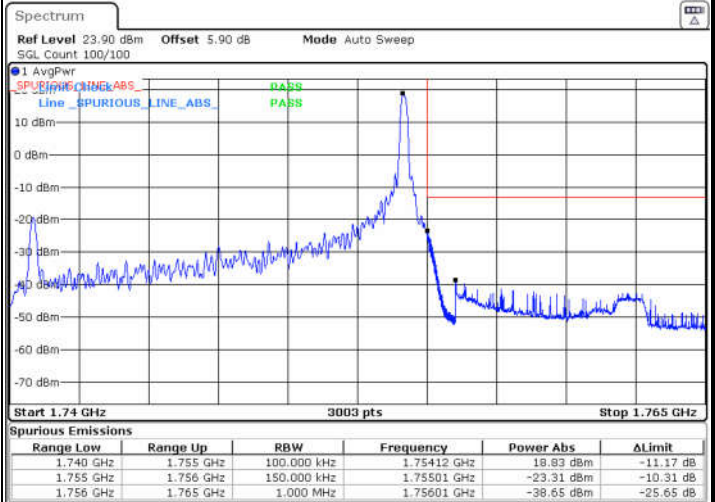
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



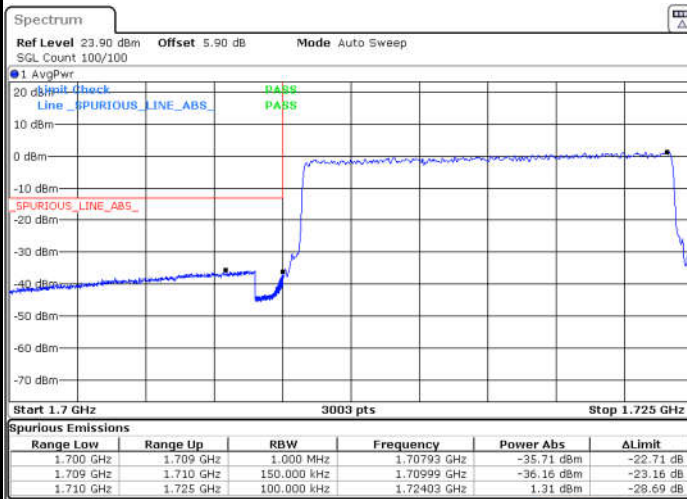
Date: 5 MAR 2021 04:19:14

Highest Band Edge / 1 RB



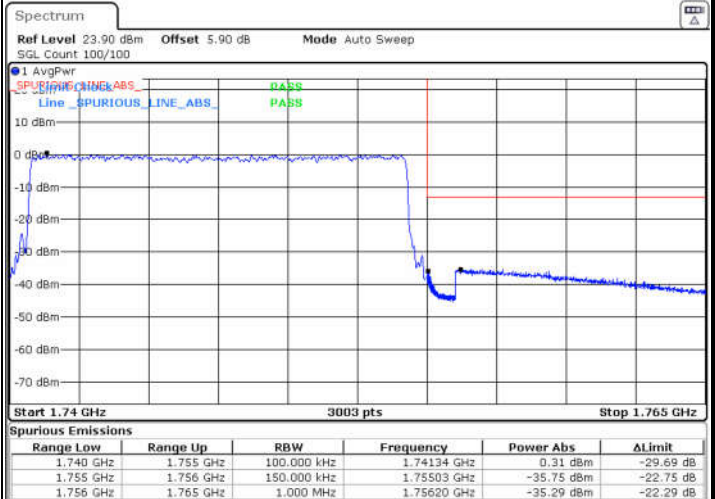
Date: 5 MAR 2021 04:25:32

Lowest Band Edge / Full RB



Date: 5 MAR 2021 04:21:29

Highest Band Edge / Full RB

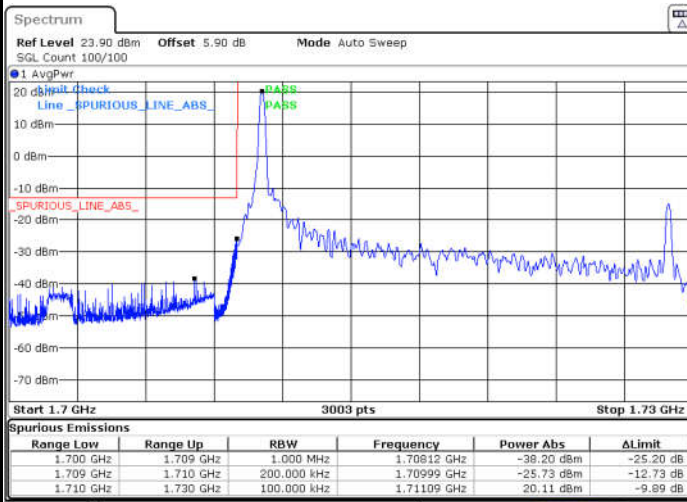


Date: 5 MAR 2021 04:27:47



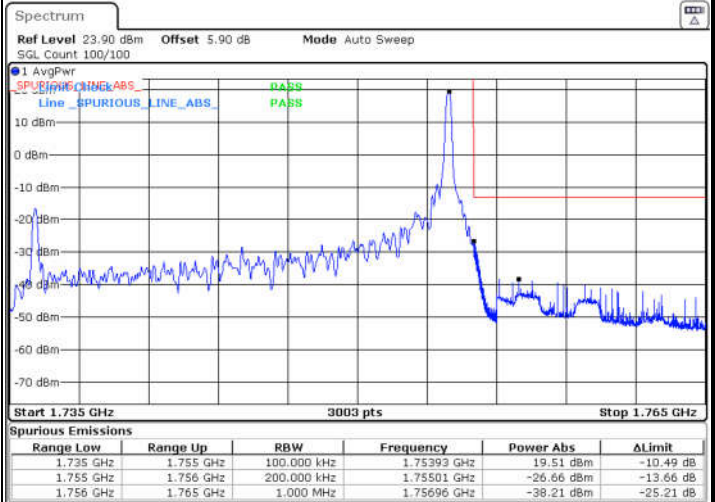
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



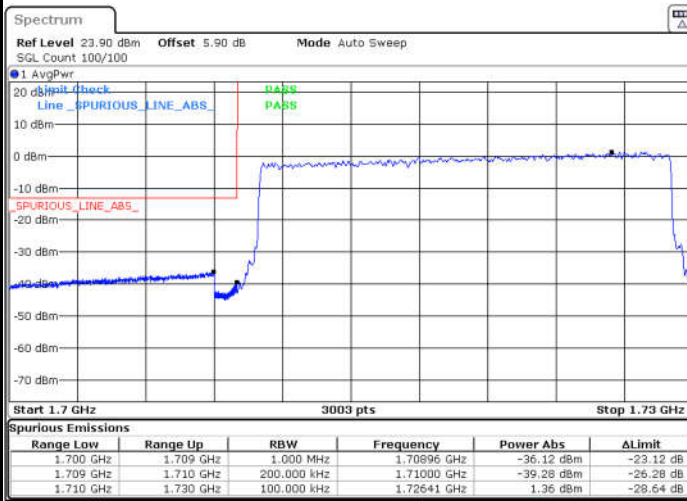
Date: 5 MAR 2021 04:29:49

Highest Band Edge / 1 RB



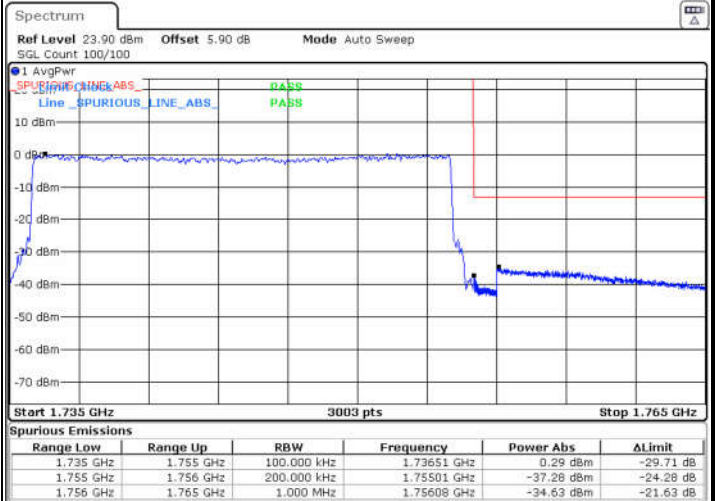
Date: 5 MAR 2021 04:36:08

Lowest Band Edge / Full RB



Date: 5 MAR 2021 04:32:04

Highest Band Edge / Full RB

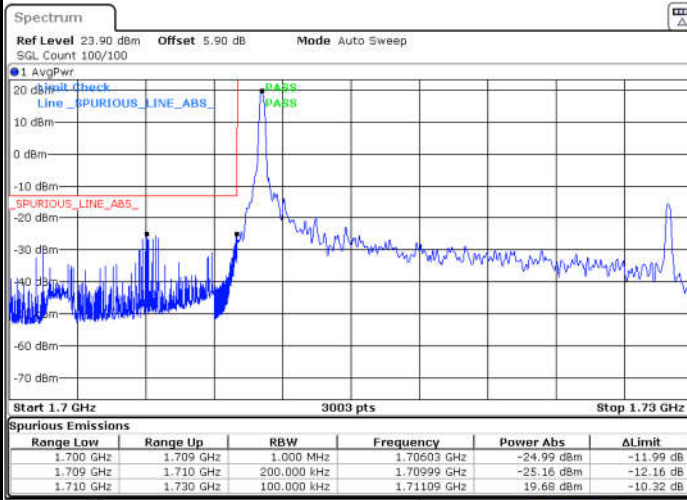


Date: 5 MAR 2021 04:38:22



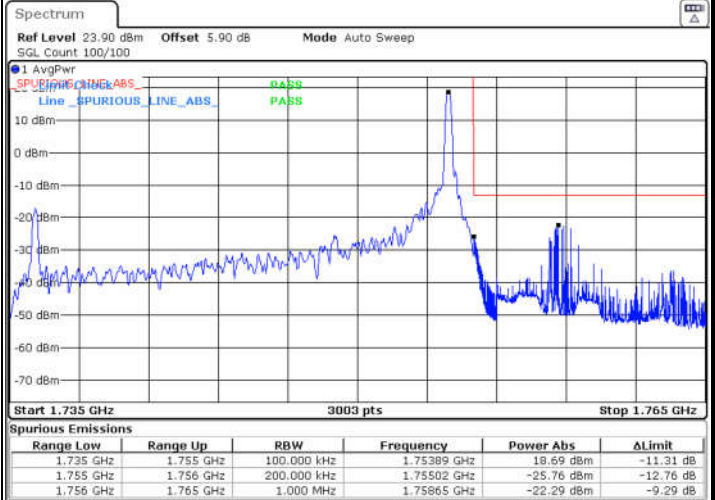
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



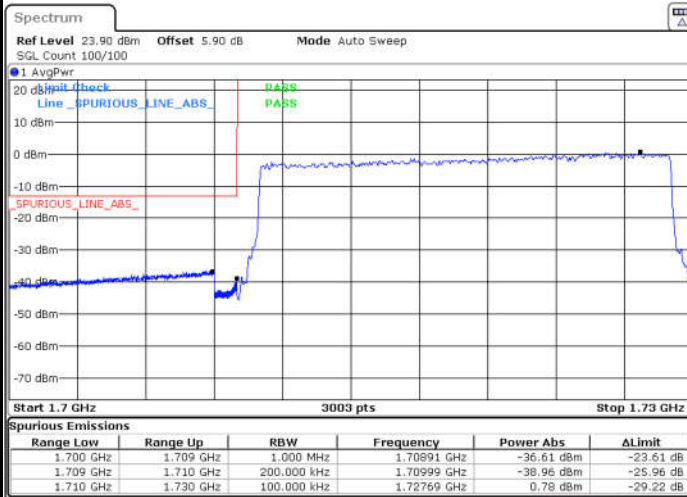
Date: 5 MAR 2021 04:30:56

Highest Band Edge / 1 RB



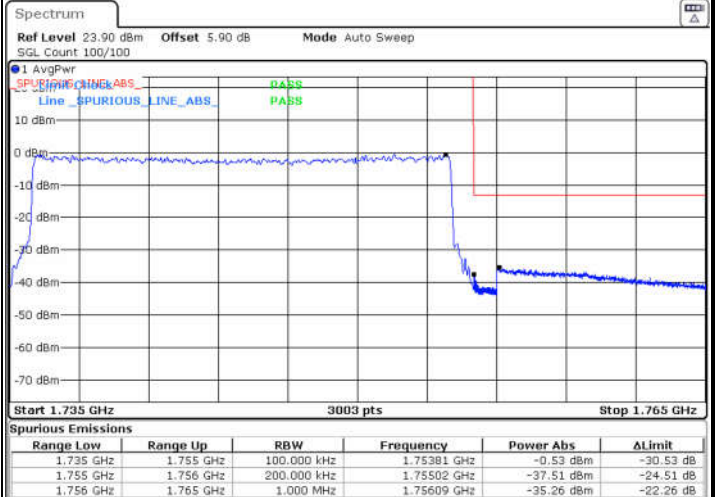
Date: 5 MAR 2021 04:37:15

Lowest Band Edge / Full RB



Date: 5 MAR 2021 04:33:11

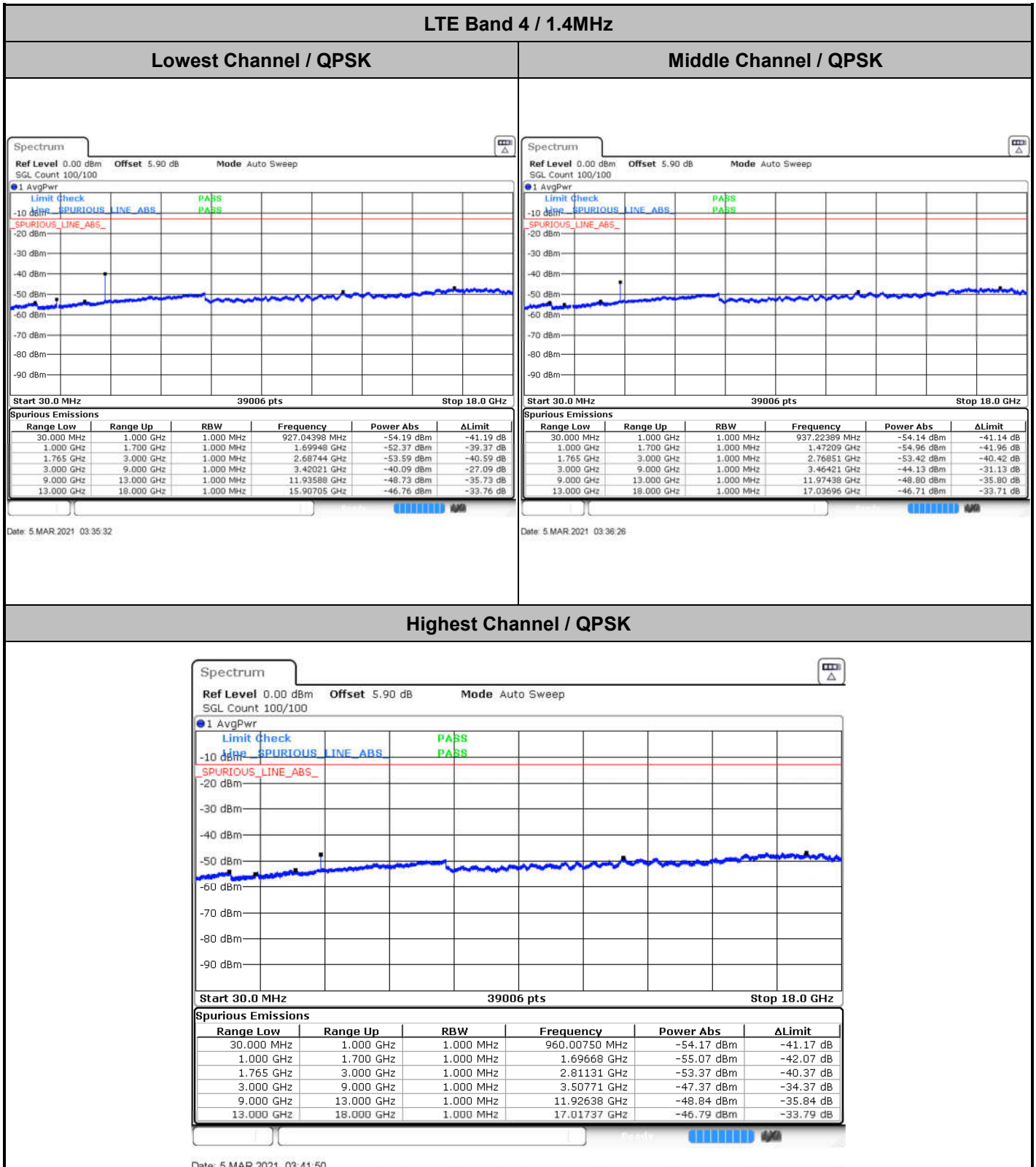
Highest Band Edge / Full RB



Date: 5 MAR 2021 04:39:30



Conducted Spurious Emission

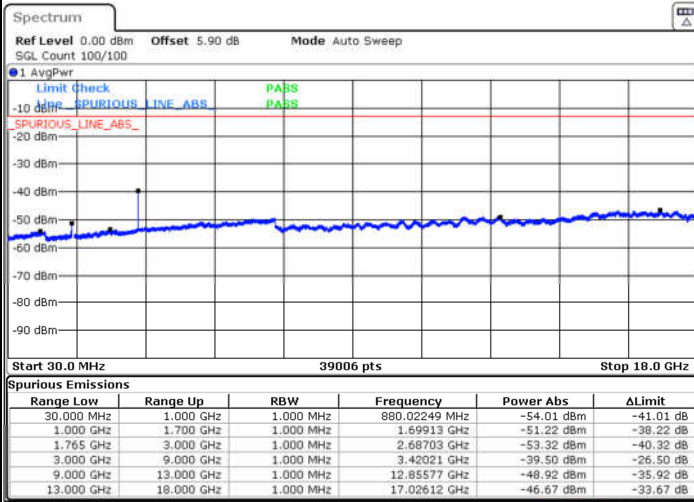




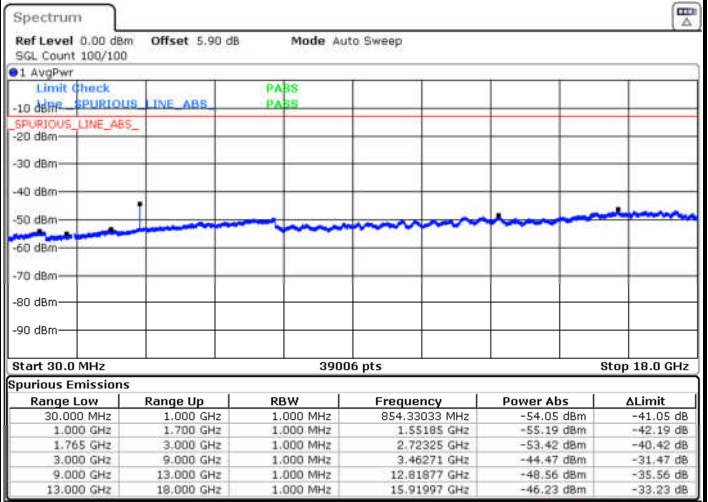
LTE Band 4 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

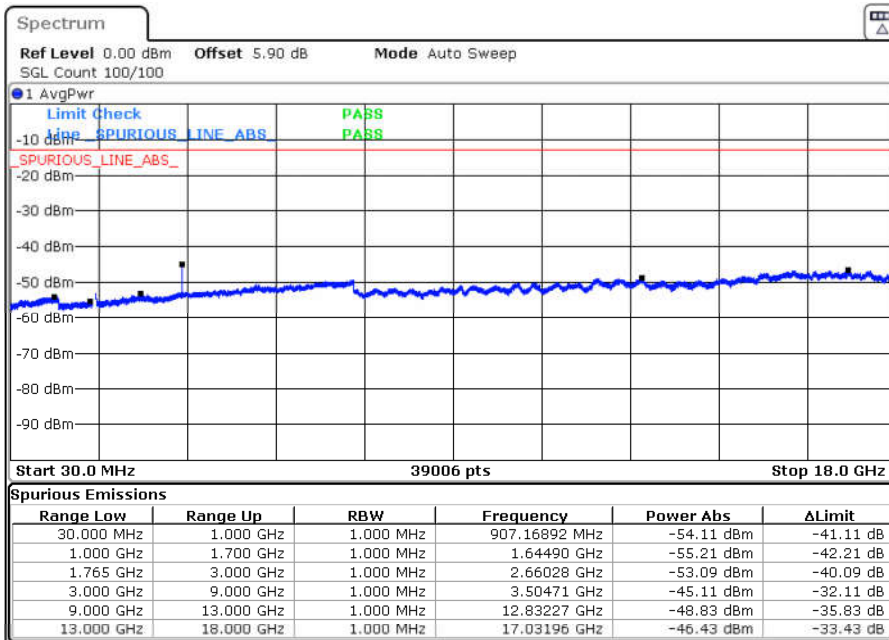


Date: 5 MAR 2021 03:47:14



Date: 5 MAR 2021 03:48:09

Highest Channel / QPSK

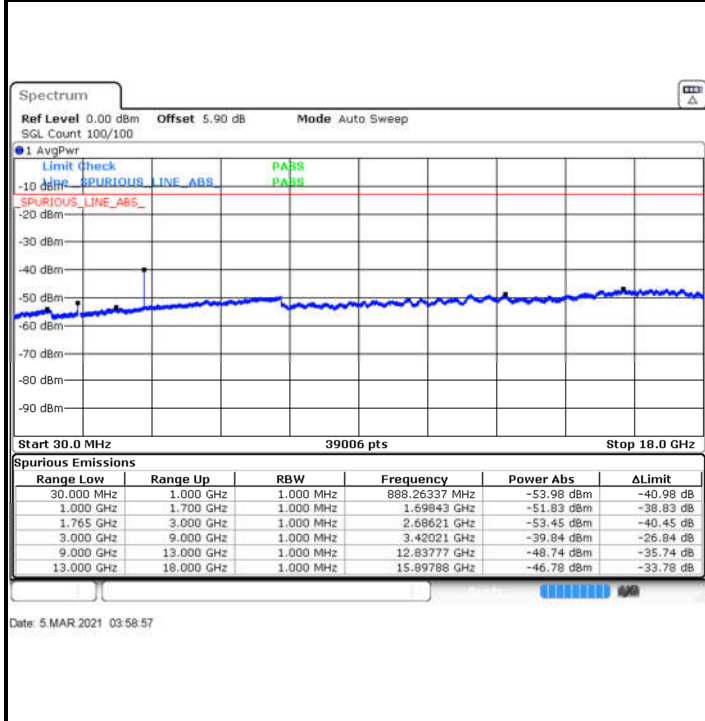


Date: 5 MAR 2021 03:53:33

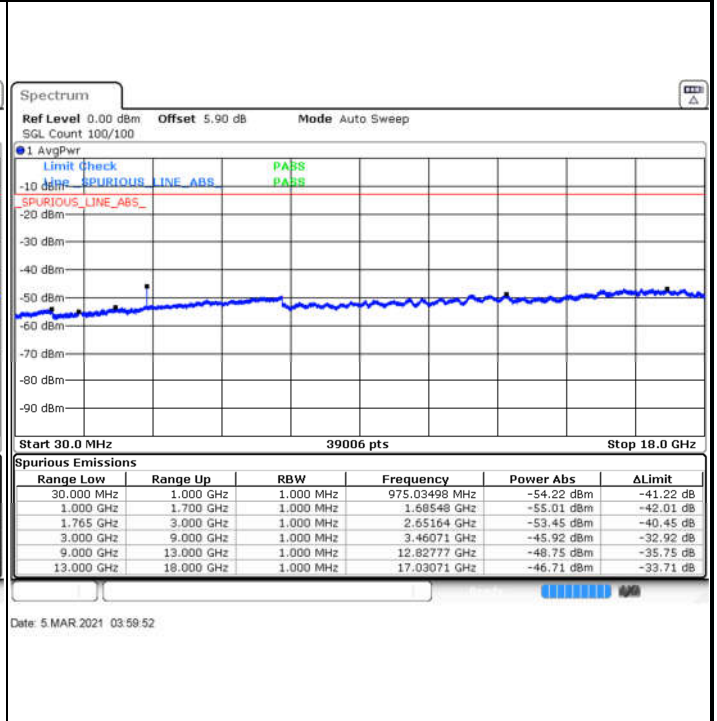


LTE Band 4 / 5MHz

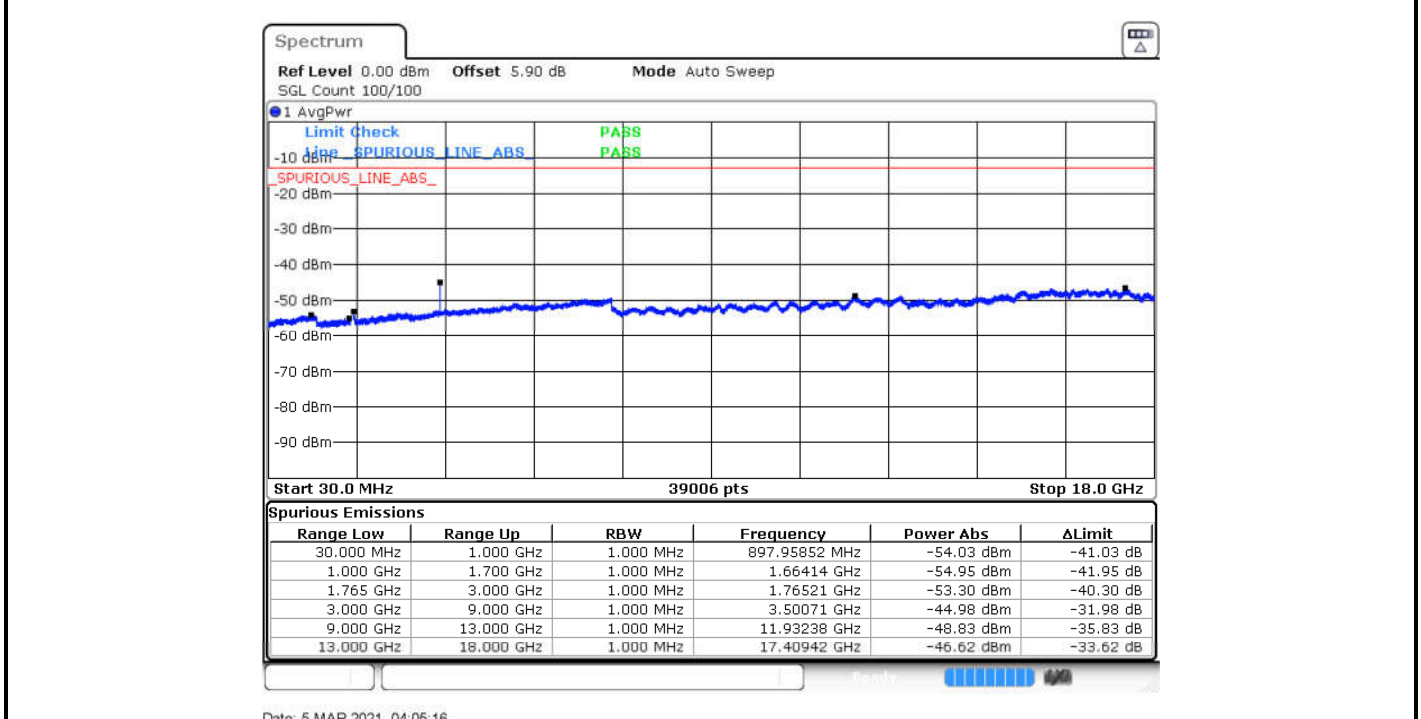
Lowest Channel / QPSK



Middle Channel / QPSK

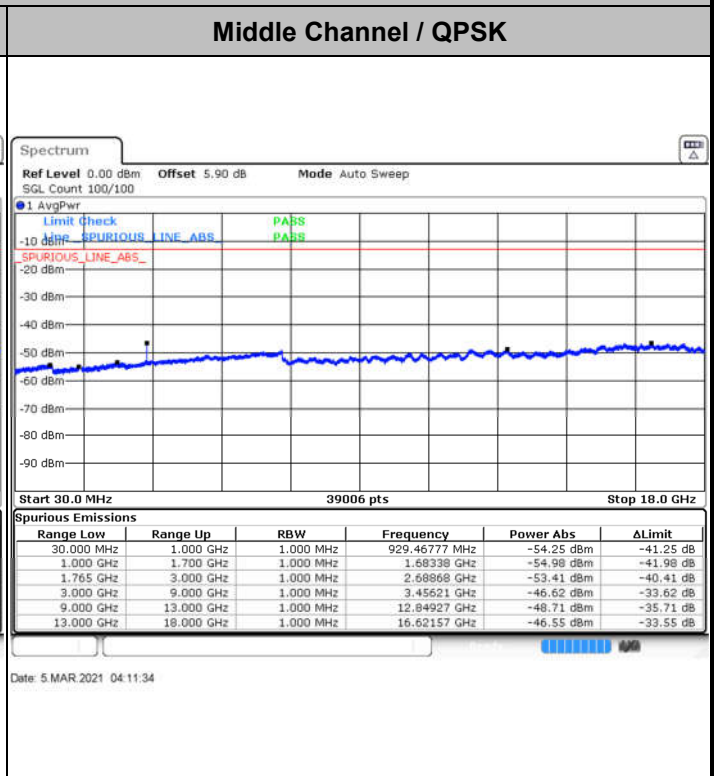
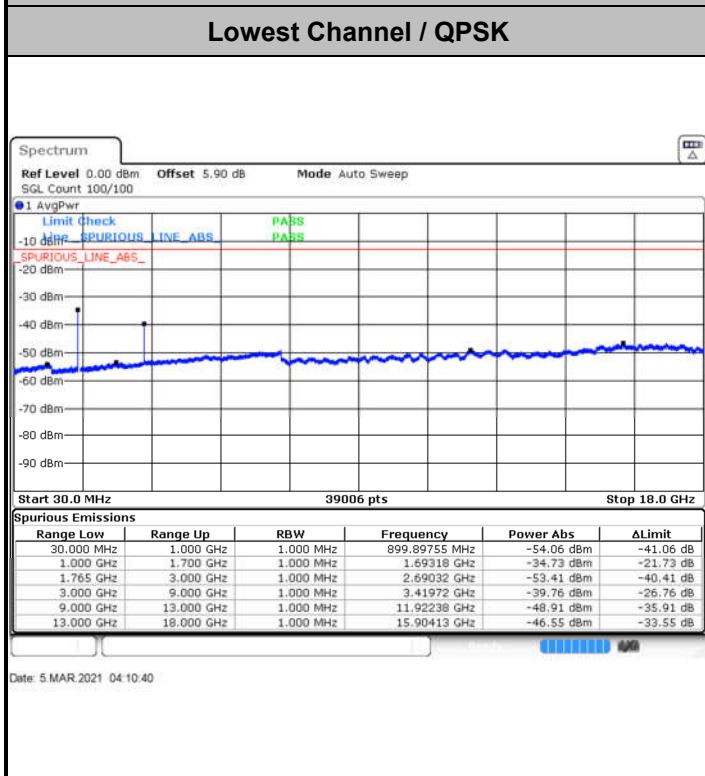


Highest Channel / QPSK

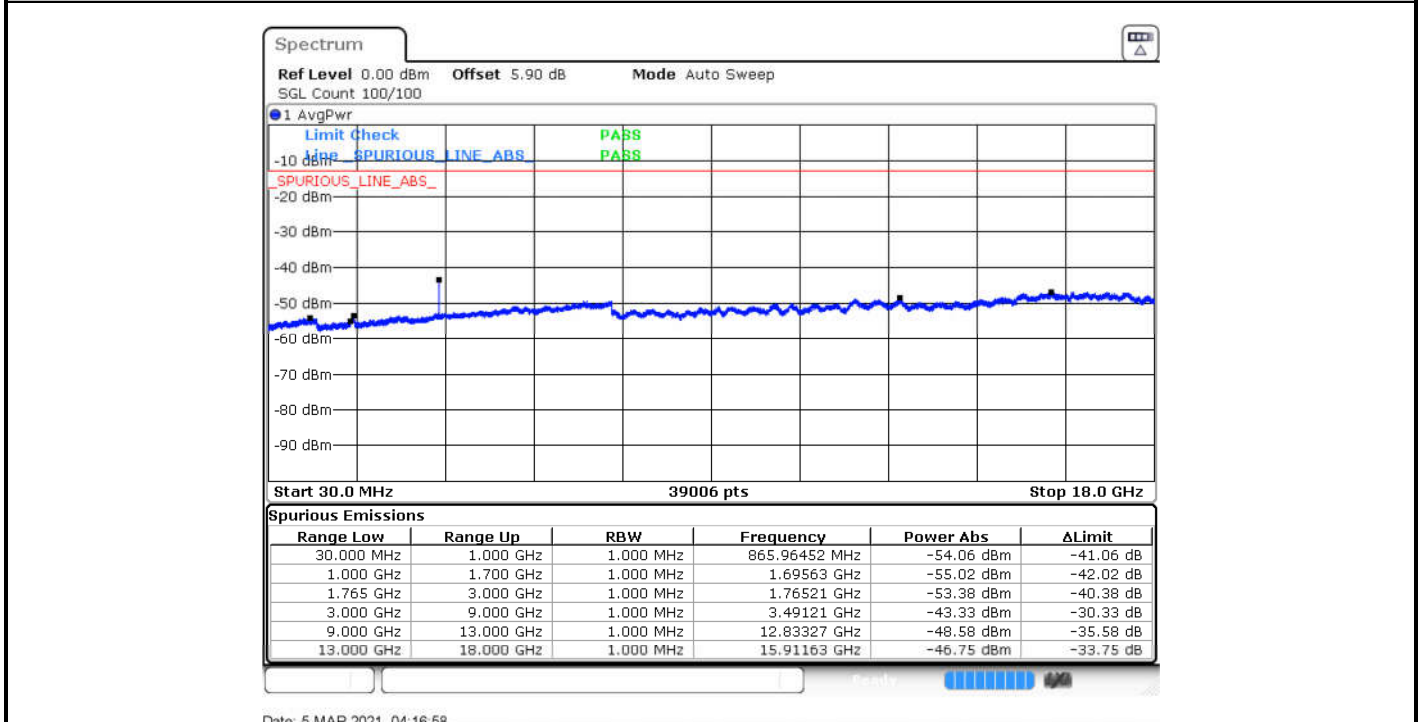




LTE Band 4 / 10MHz



Highest Channel / QPSK

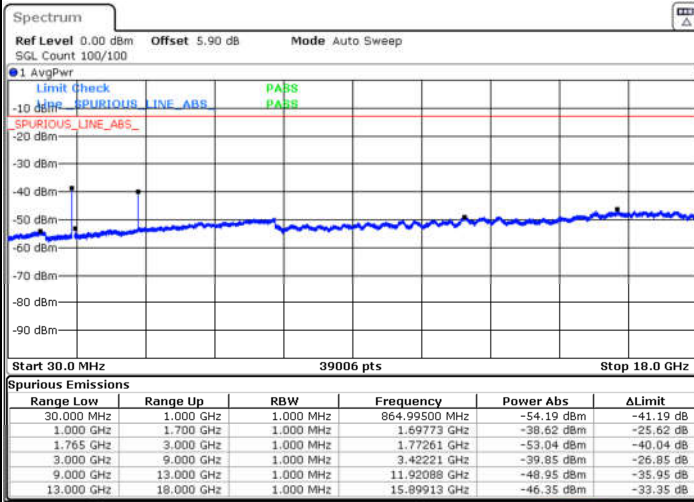




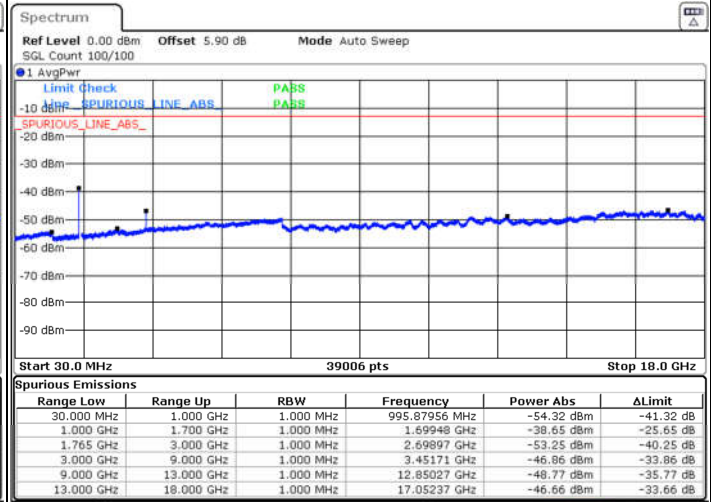
LTE Band 4 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

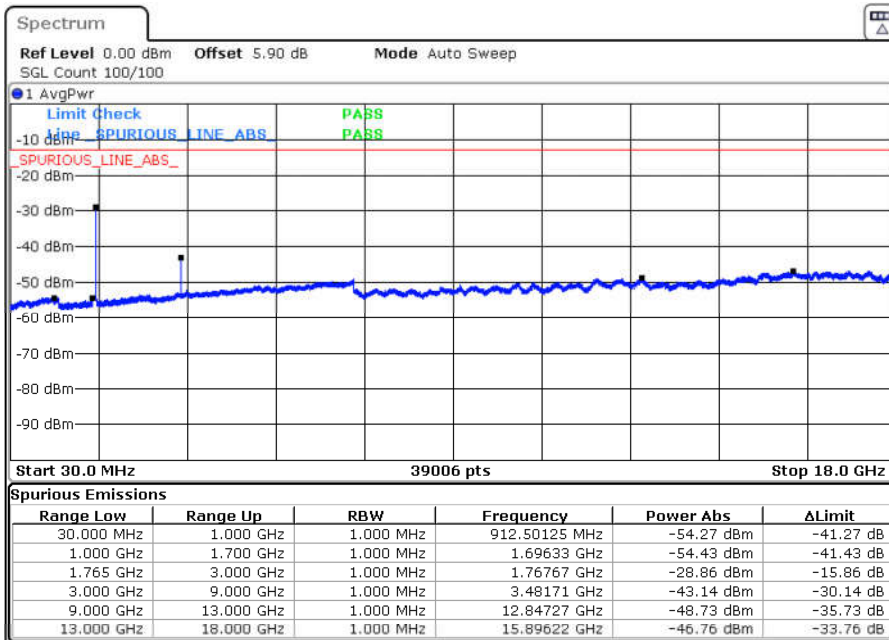


Date: 5 MAR 2021 04:22:22



Date: 5 MAR 2021 04:23:17

Highest Channel / QPSK

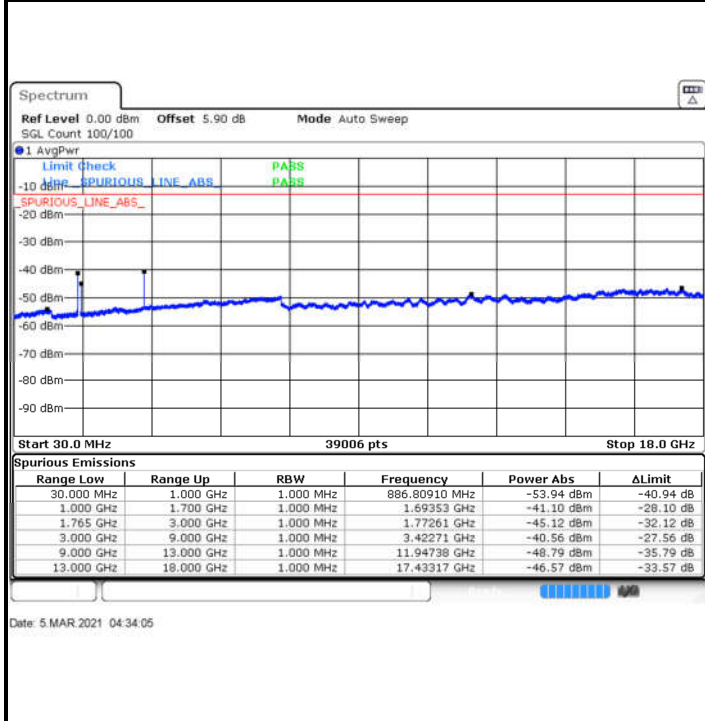


Date: 5 MAR 2021 04:28:41

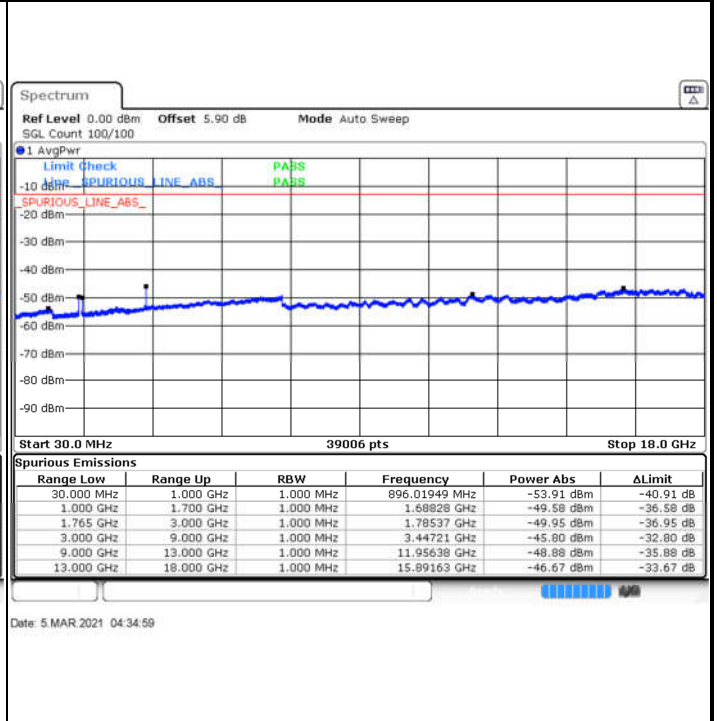


LTE Band 4 / 20MHz

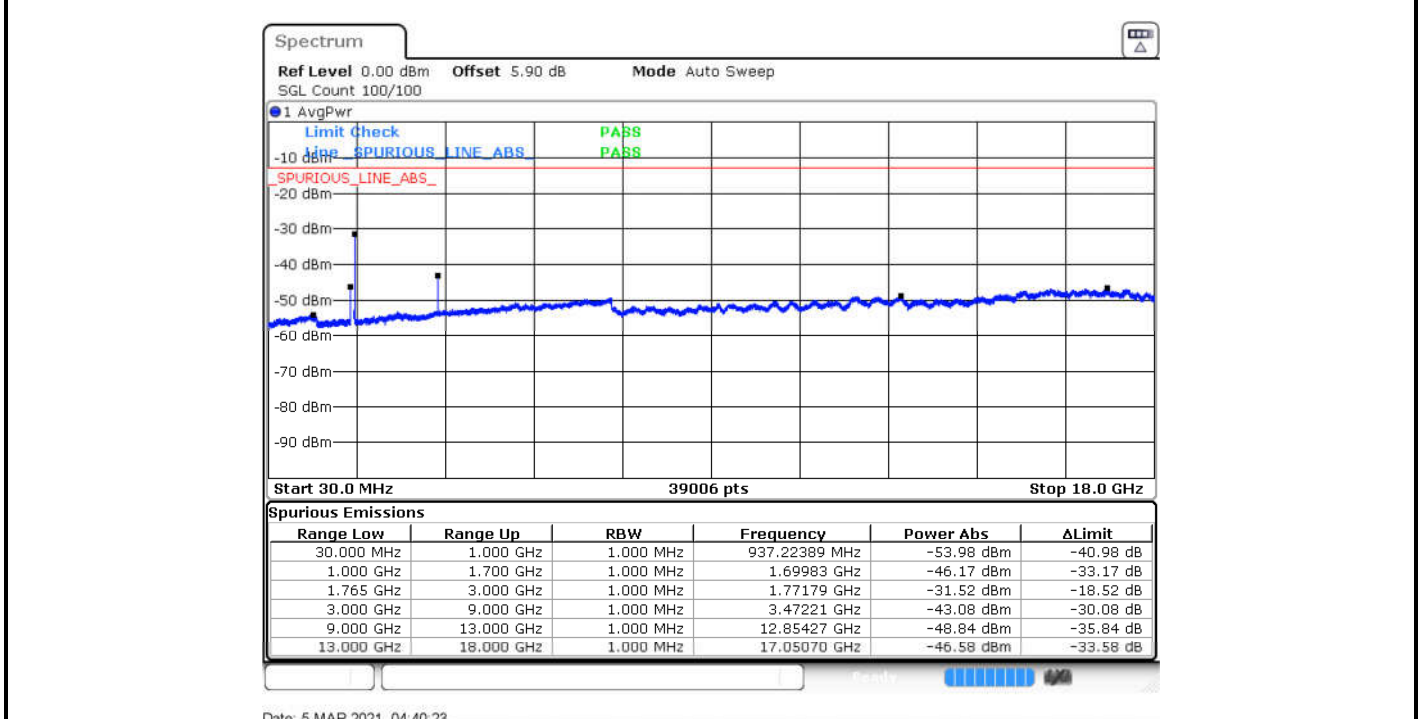
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

| Test Conditions | | LTE Band 4 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 20MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0022 | PASS |
| 40 | Normal Voltage | 0.0021 | |
| 30 | Normal Voltage | 0.0006 | |
| 20(Ref.) | Normal Voltage | 0.0002 | |
| 10 | Normal Voltage | 0.0008 | |
| 0 | Normal Voltage | 0.0018 | |
| -10 | Normal Voltage | 0.0004 | |
| -20 | Normal Voltage | 0.0016 | |
| -30 | Normal Voltage | 0.0012 | |
| 20 | Maximum Voltage | 0.0008 | |
| 20 | Normal Voltage | 0.0020 | |
| 20 | Battery End Point | 0.0001 | |

Note:

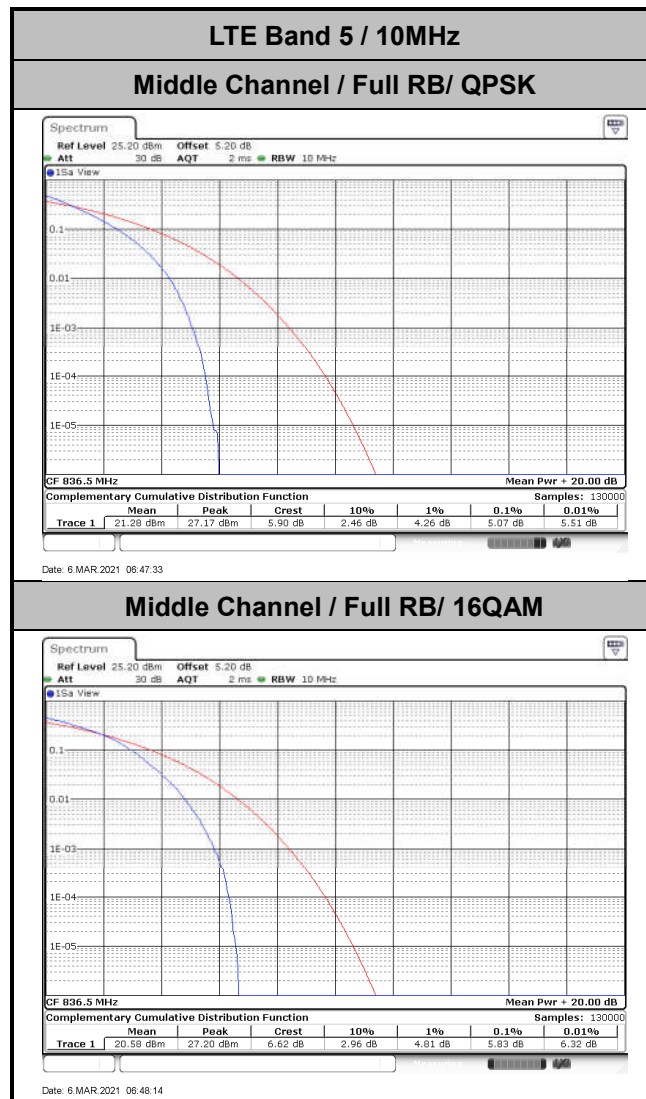
1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

Peak-to-Average Ratio

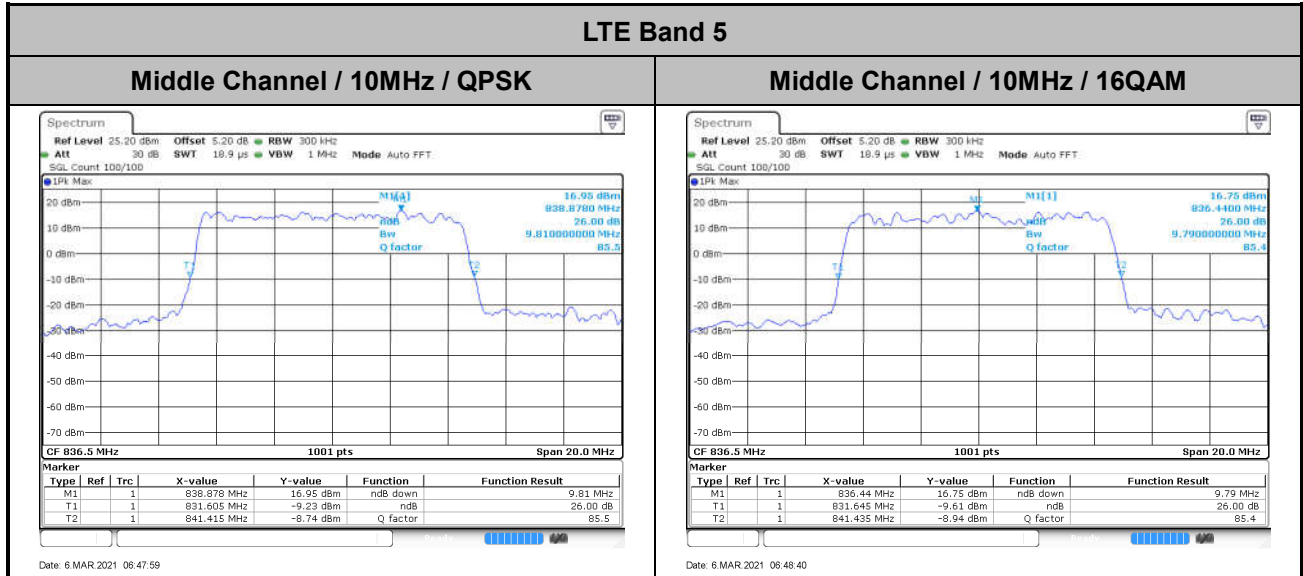
| Mode | LTE Band 5 / 10MHz | | | |
|-----------|--------------------|---------|--|-------------|
| Mod. | QPSK | 16QAM | | Limit: 13dB |
| RB Size | Full RB | Full RB | | Result |
| Middle CH | 5.07 | 5.83 | | PASS |





26dB Bandwidth

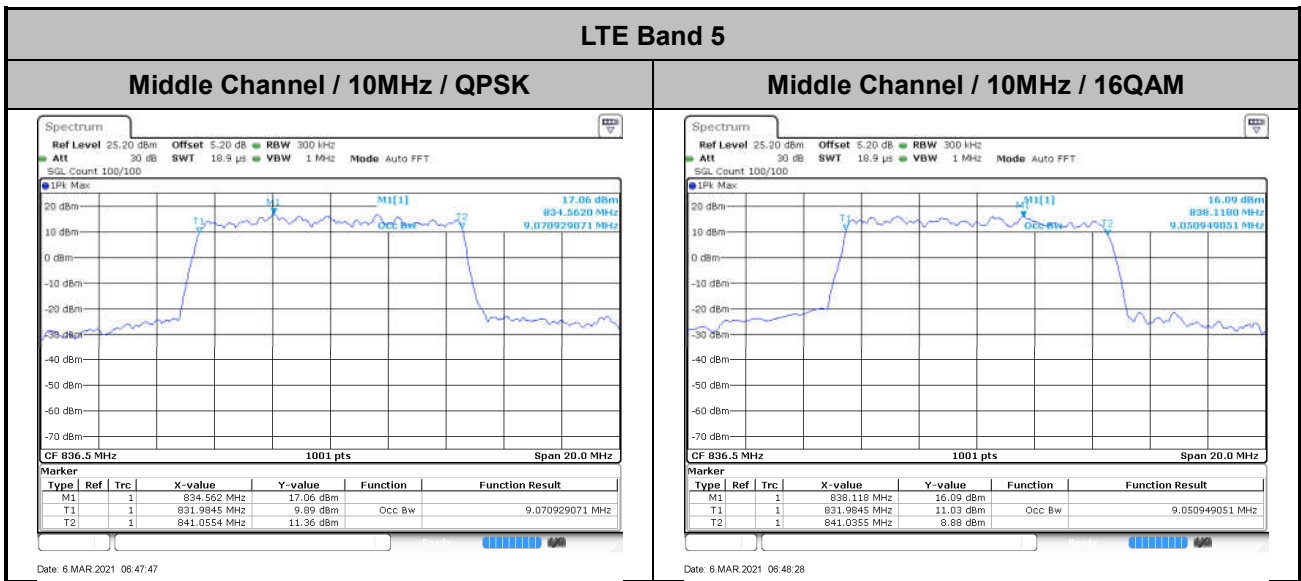
| | | |
|-----------|---------------------------|-------|
| Mode | LTE Band 5 : 26dB BW(MHz) | |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 9.81 | 9.79 |





Occupied Bandwidth

| | | |
|------------------|---------------------------------|--------------|
| Mode | LTE Band 5 : 99%OBW(MHz) | |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 9.07 | 9.05 |

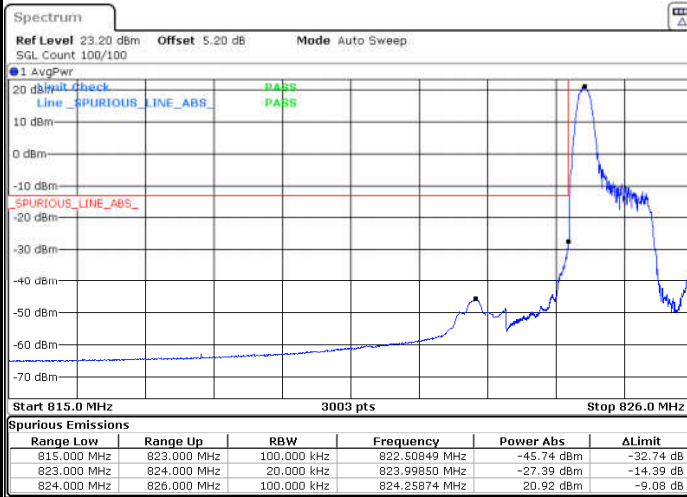




Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



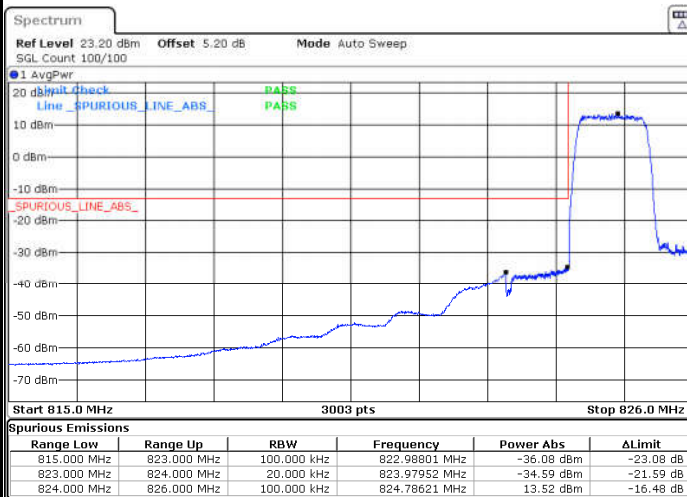
Date: 5.MAR.2021 05:19:55

Highest Band Edge / 1RB



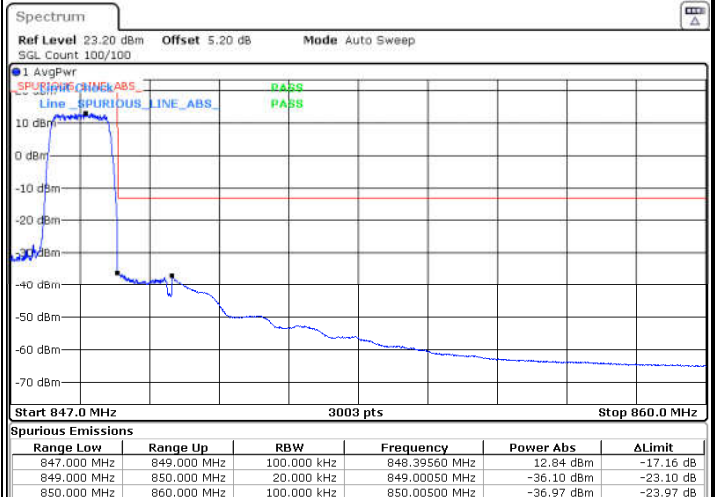
Date: 5.MAR.2021 05:31:28

Lowest Band Edge / Full RB



Date: 5.MAR.2021 05:23:10

Highest Band Edge / Full RB

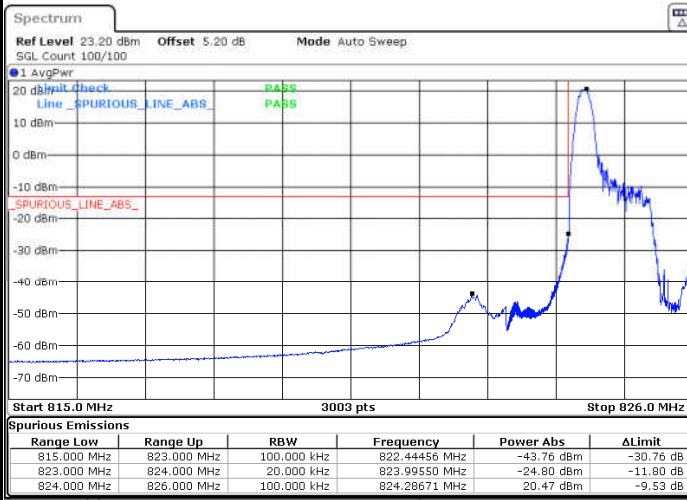


Date: 5.MAR.2021 05:28:13



LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



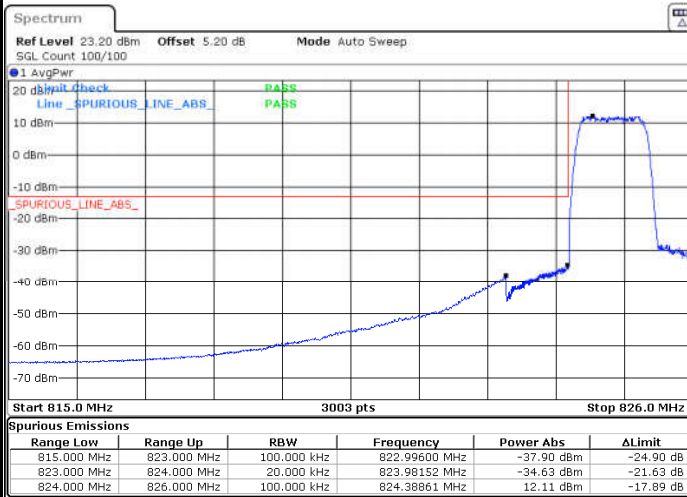
Date: 5.MAR.2021 05:21:32

Highest Band Edge / 1 RB



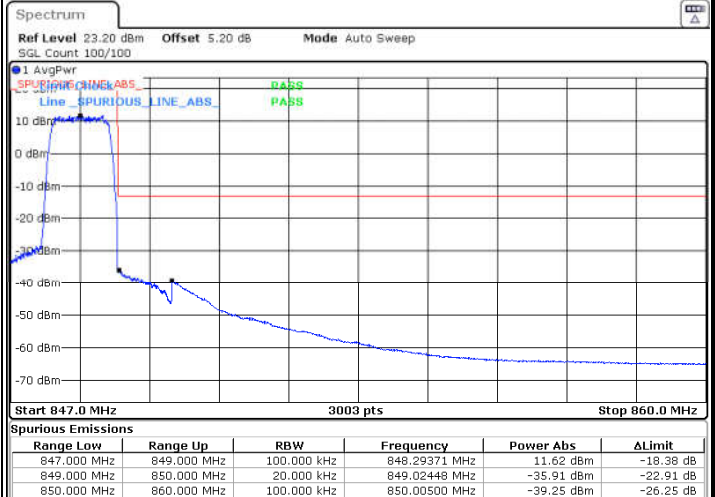
Date: 5.MAR.2021 05:33:05

Lowest Band Edge / Full RB



Date: 5.MAR.2021 05:24:47

Highest Band Edge / Full RB

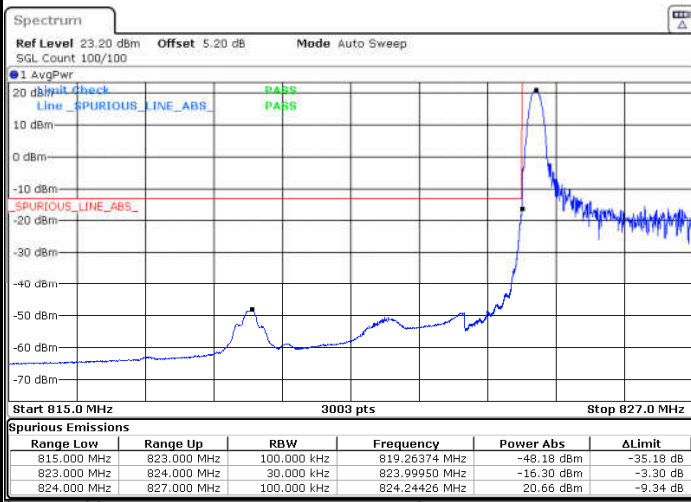


Date: 5.MAR.2021 05:29:51



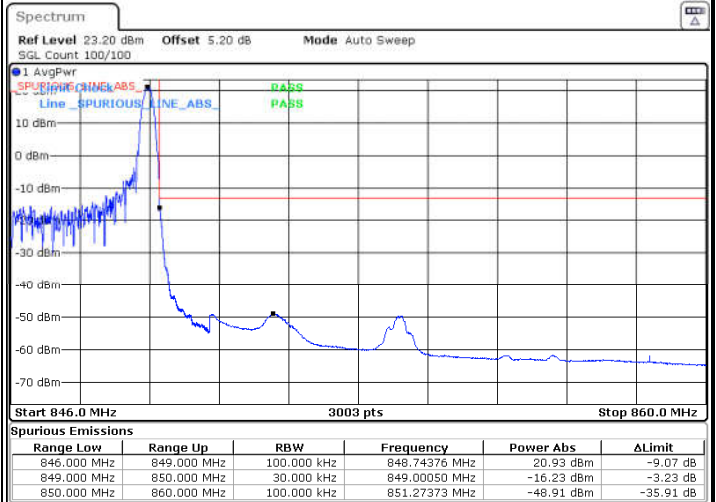
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



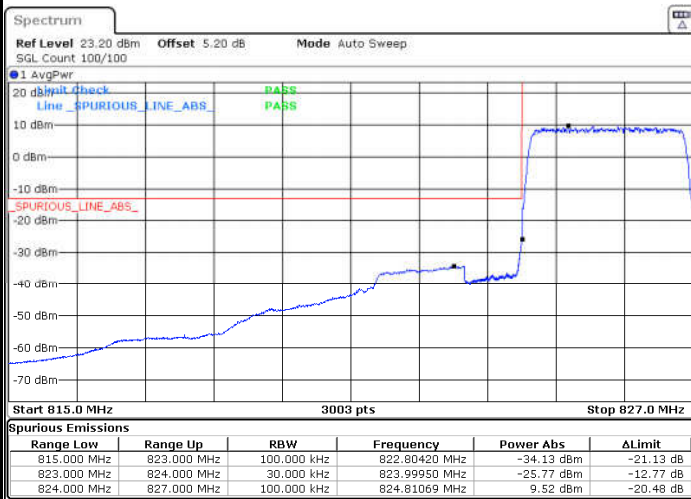
Date: 5.MAR.2021 05:35:37

Highest Band Edge / 1 RB



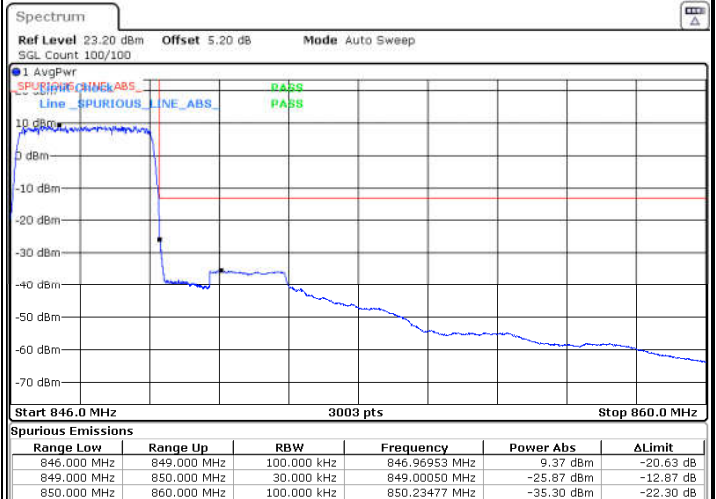
Date: 5.MAR.2021 05:43:56

Lowest Band Edge / Full RB



Date: 5.MAR.2021 05:38:52

Highest Band Edge / Full RB

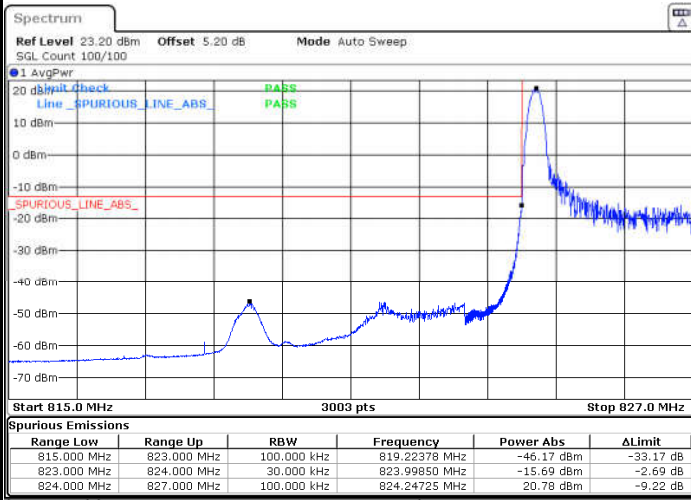


Date: 5.MAR.2021 05:47:11



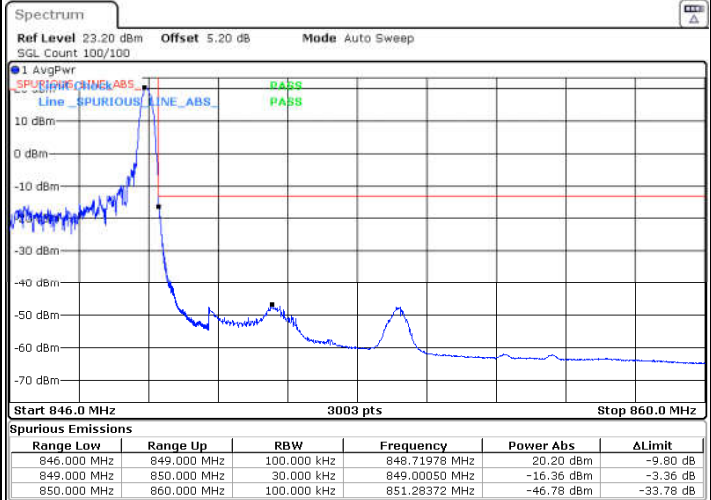
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



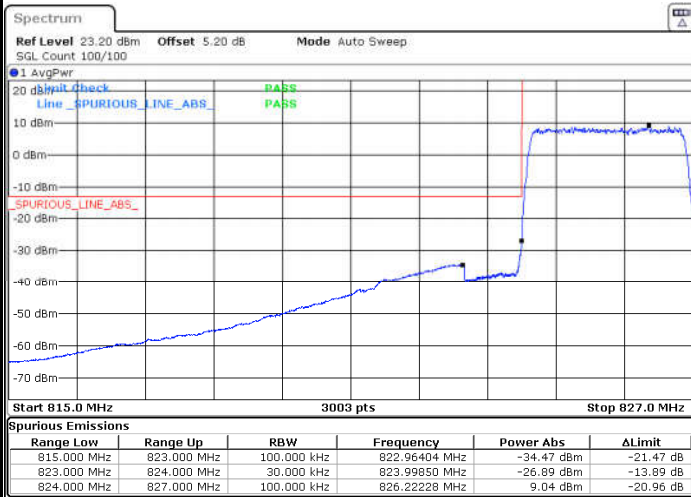
Date: 5.MAR.2021 05:37:15

Highest Band Edge / 1 RB



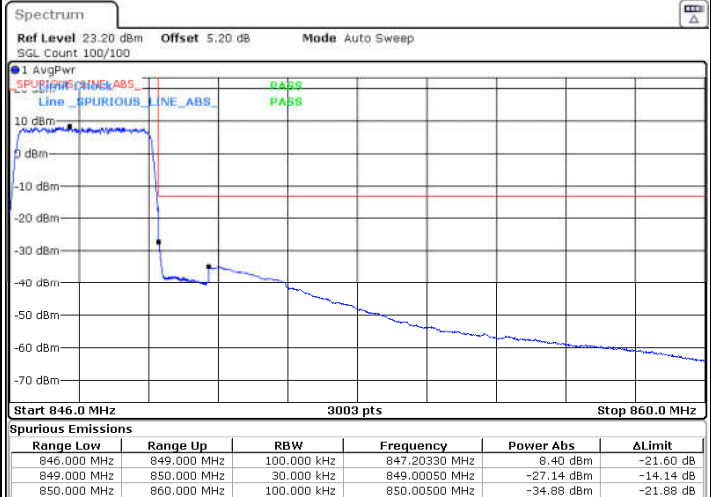
Date: 5.MAR.2021 05:45:33

Lowest Band Edge / Full RB



Date: 5.MAR.2021 05:40:30

Highest Band Edge / Full RB

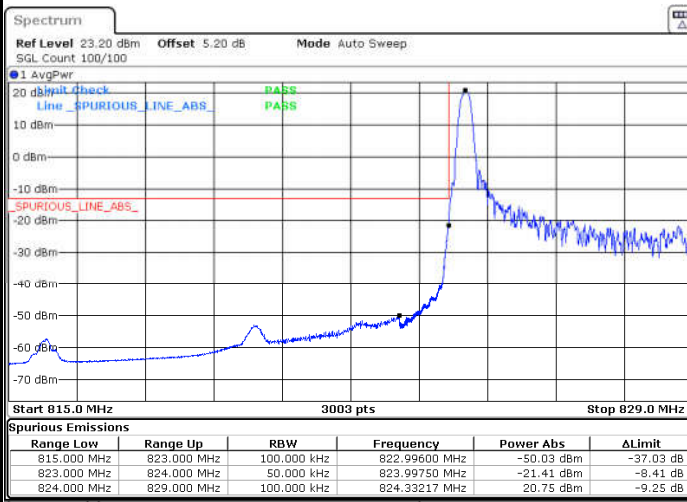


Date: 5.MAR.2021 05:48:48



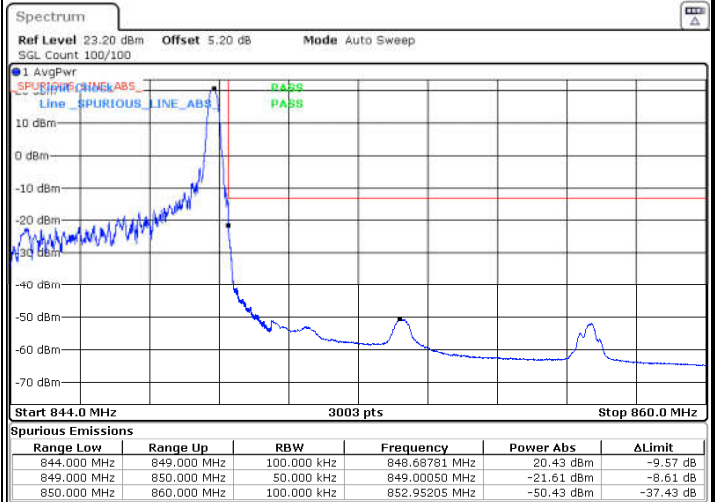
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



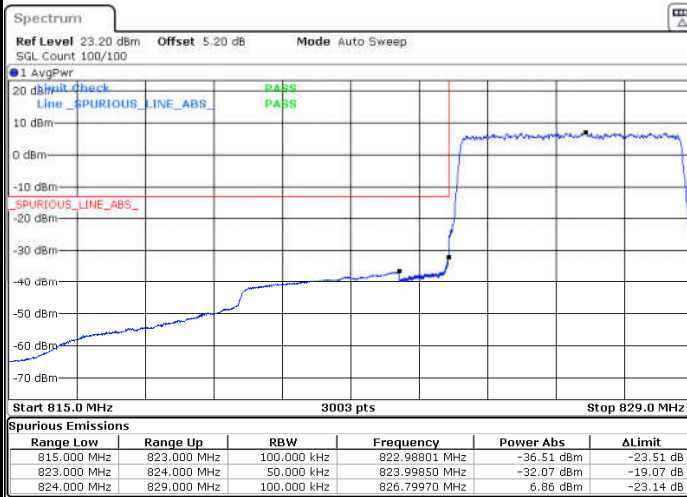
Date: 5.MAR.2021 05:51:20

Highest Band Edge / 1 RB



Date: 5.MAR.2021 05:59:38

Lowest Band Edge / Full RB



Date: 5.MAR.2021 05:54:34

Highest Band Edge / Full RB



Date: 5.MAR.2021 06:02:53