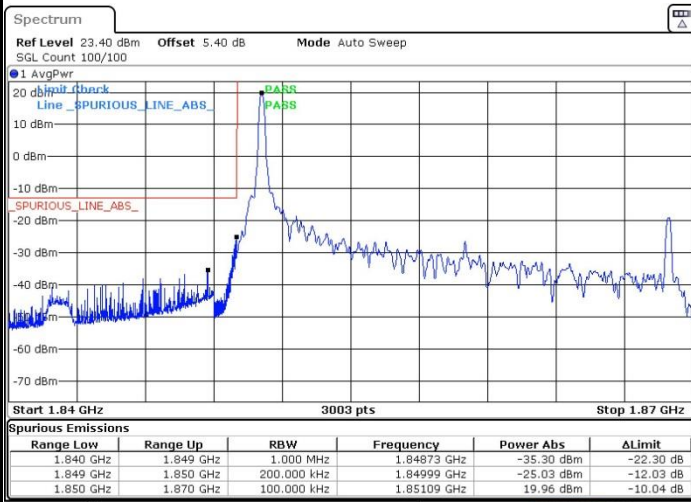




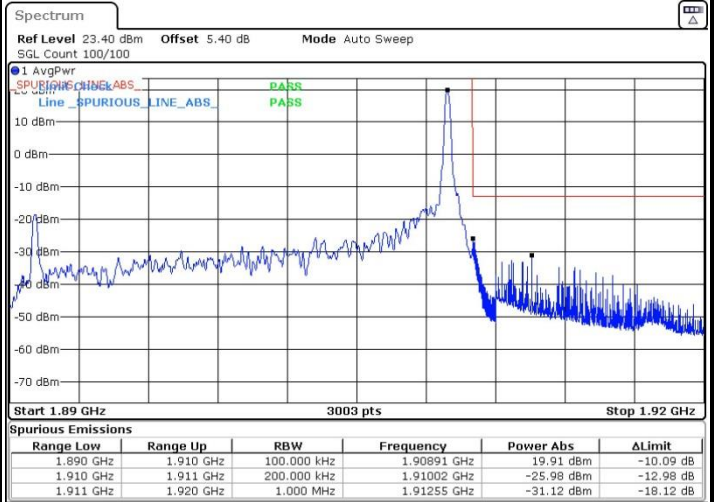
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



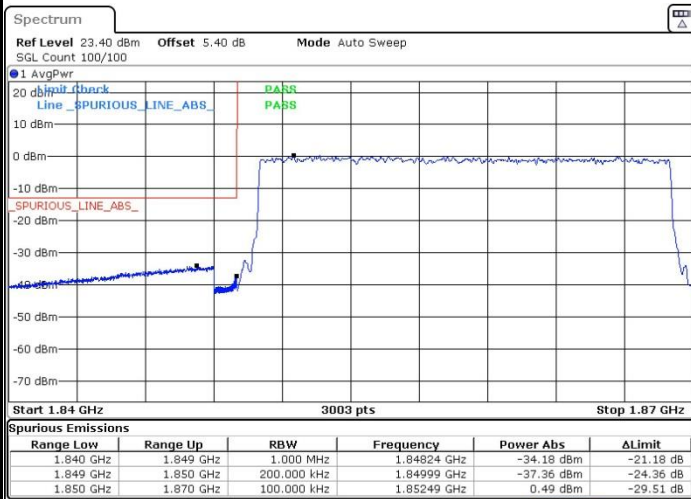
Date: 19 DEC 2021 23:26:29

Highest Band Edge / 1 RB



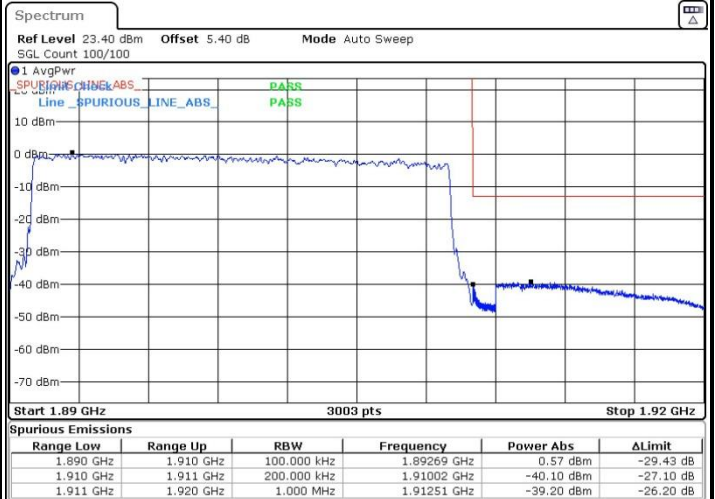
Date: 19 DEC 2021 23:30:25

Lowest Band Edge / Full RB



Date: 19 DEC 2021 23:28:27

Highest Band Edge / Full RB

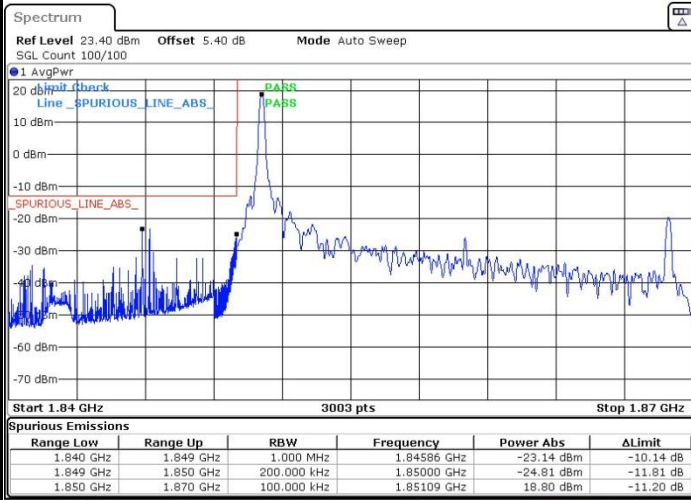


Date: 19 DEC 2021 23:32:23



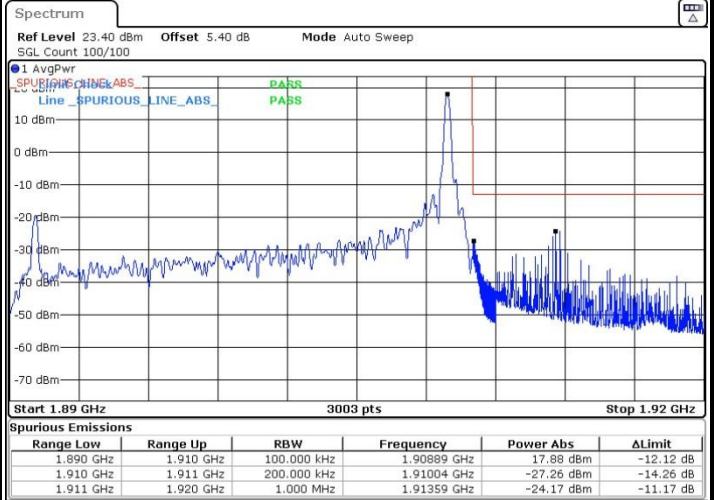
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



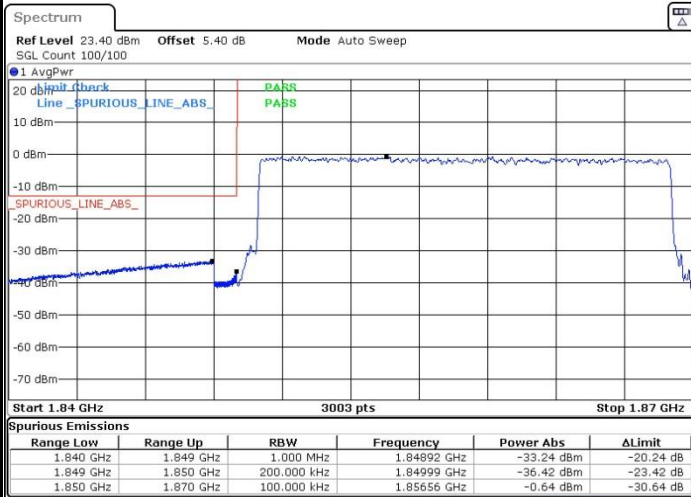
Date: 19 DEC 2021 23:27:28

Highest Band Edge / 1 RB



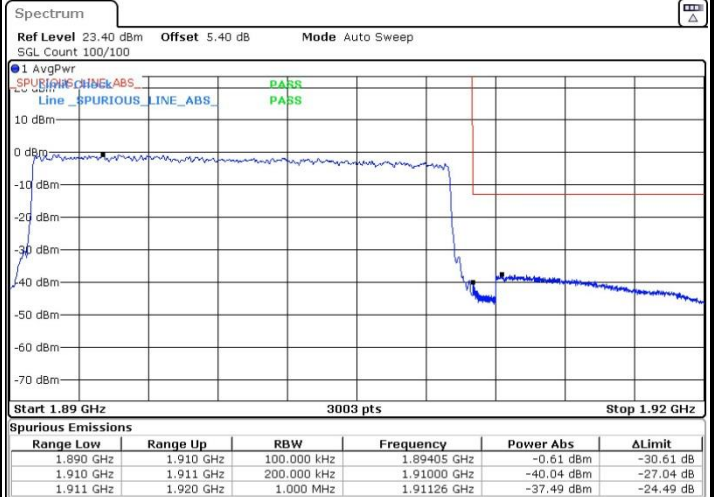
Date: 19 DEC 2021 23:31:24

Lowest Band Edge / Full RB



Date: 19 DEC 2021 23:29:26

Highest Band Edge / Full RB

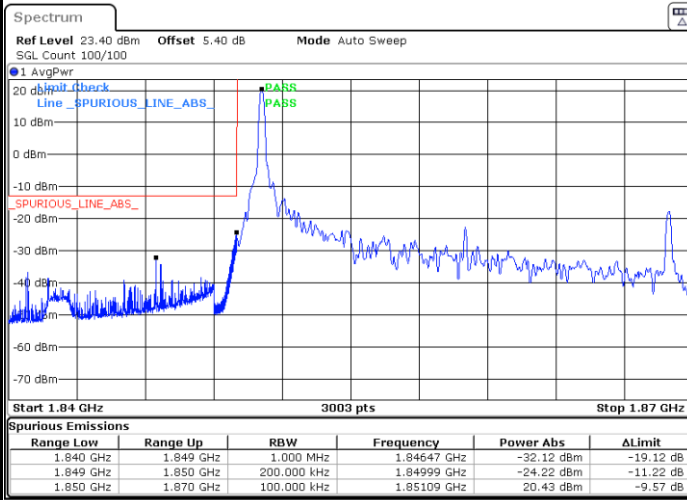


Date: 19 DEC 2021 23:33:22



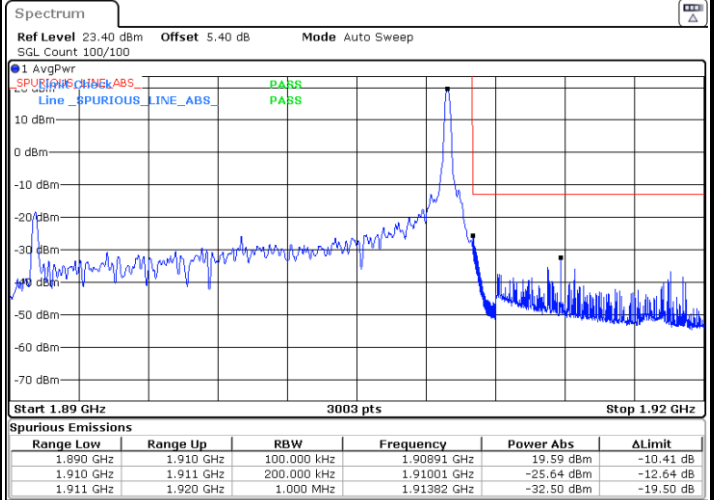
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



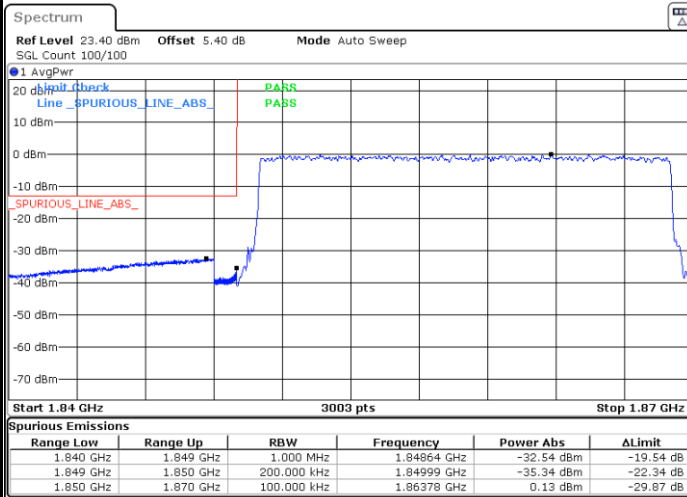
Date: 24.DEC.2021 17:25:32

Highest Band Edge / 1 RB



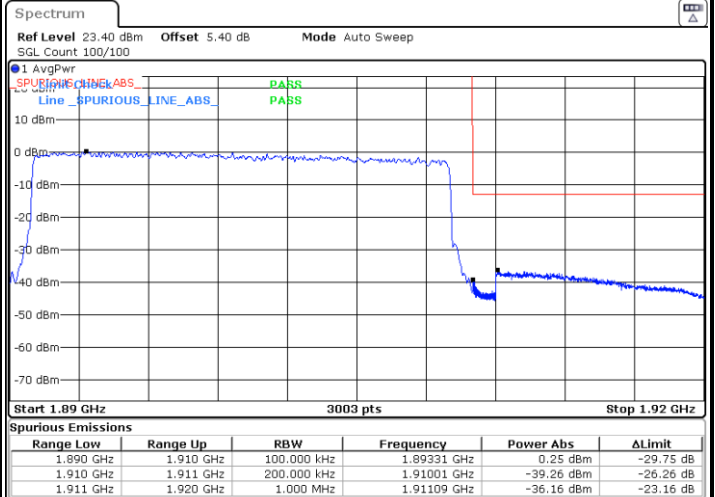
Date: 24.DEC.2021 17:27:59

Lowest Band Edge / Full RB



Date: 24.DEC.2021 17:26:46

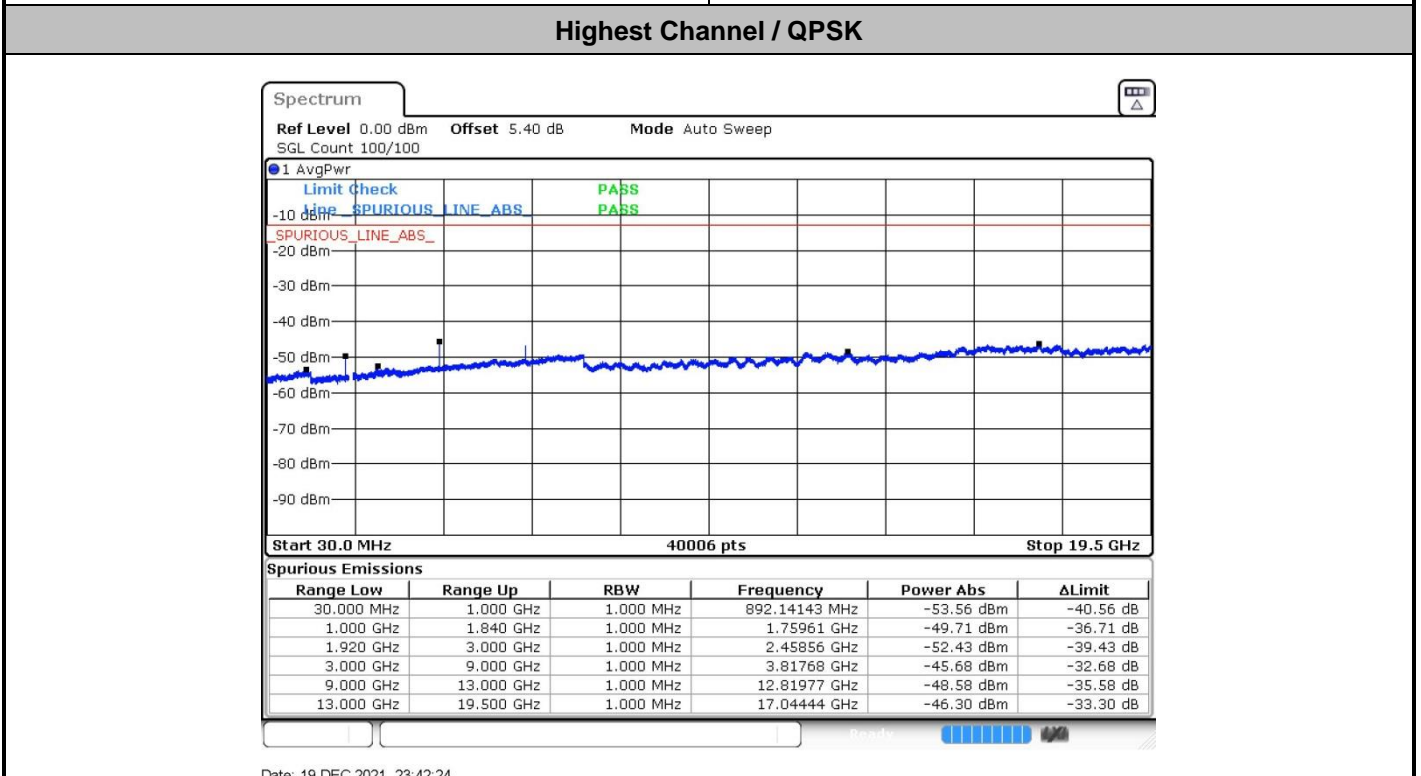
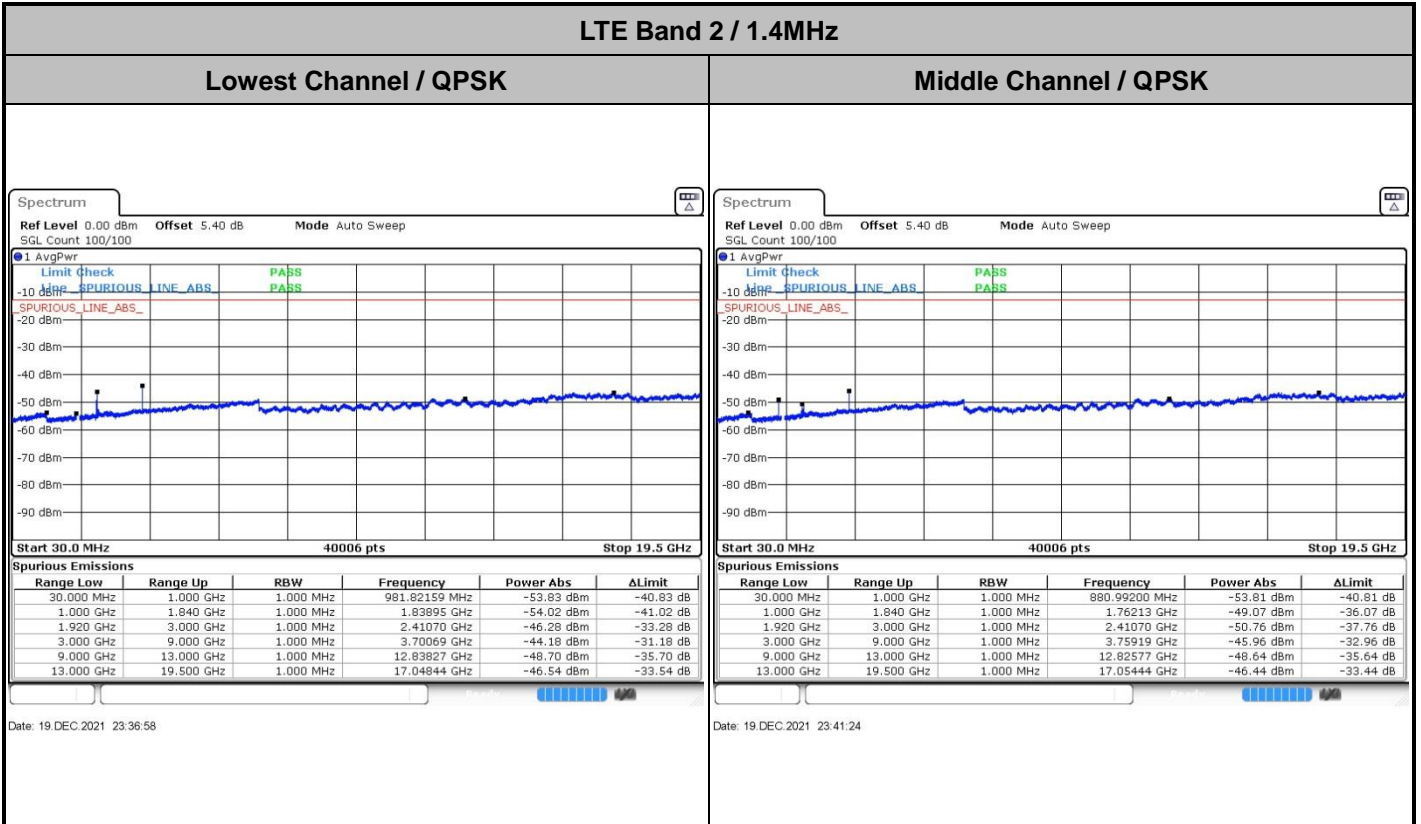
Highest Band Edge / Full RB



Date: 24.DEC.2021 17:29:12



Conducted Spurious Emission

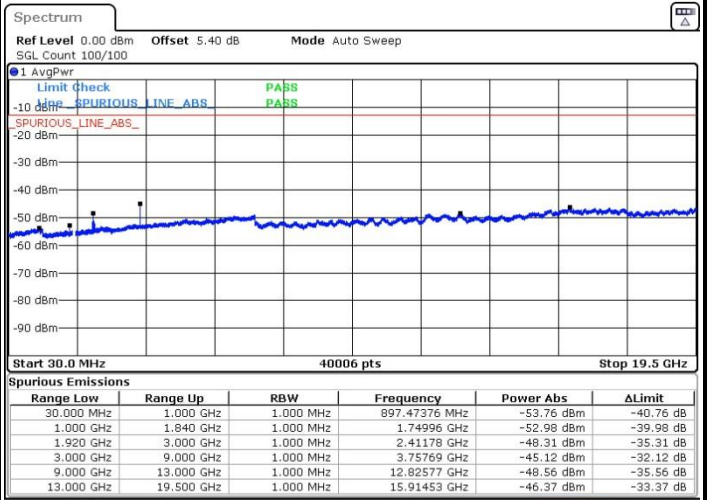
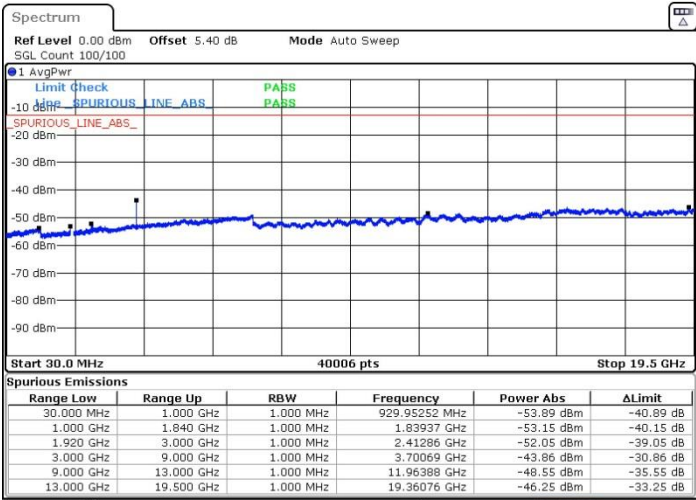




LTE Band 2 / 3MHz

Lowest Channel / QPSK

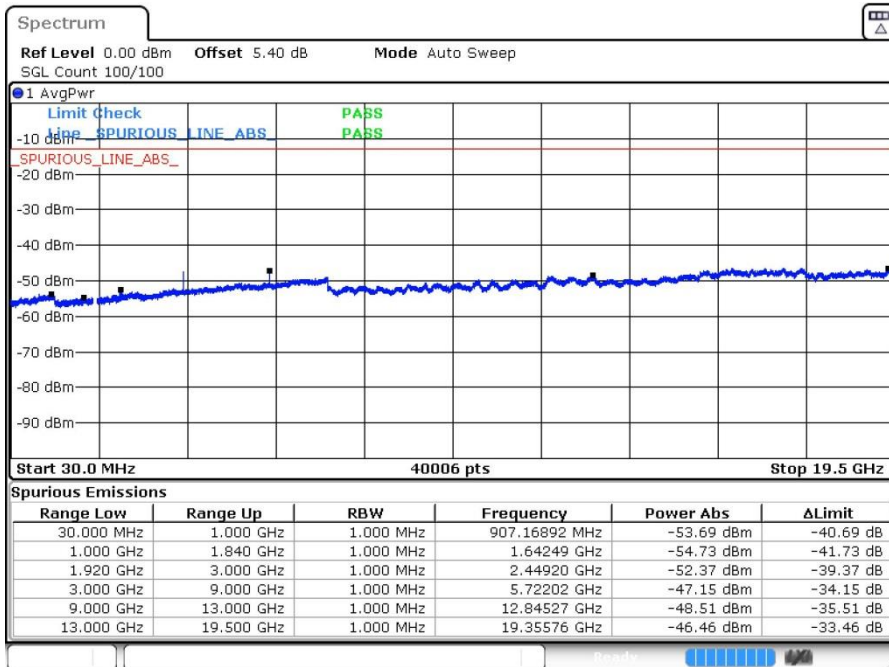
Middle Channel / QPSK



Date: 19 DEC 2021 23:43:26

Date: 19 DEC 2021 23:44:37

Highest Channel / QPSK



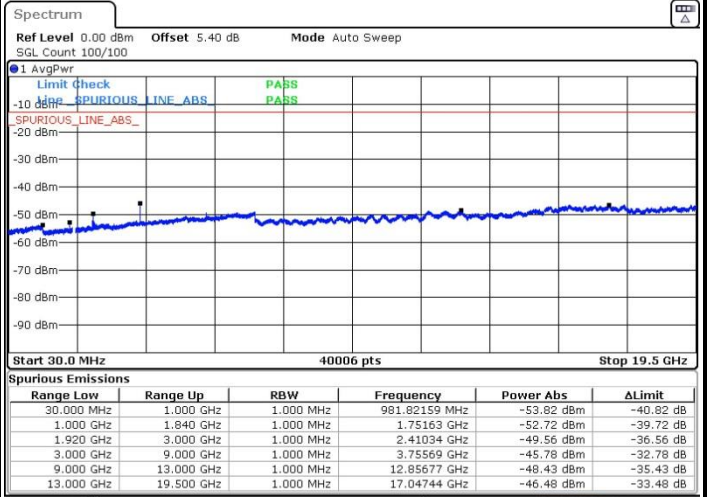
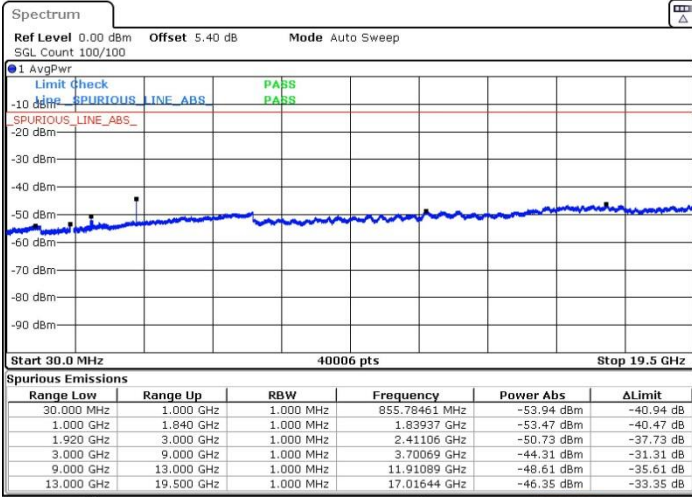
Date: 19 DEC 2021 23:45:24



LTE Band 2 / 5MHz

Lowest Channel / QPSK

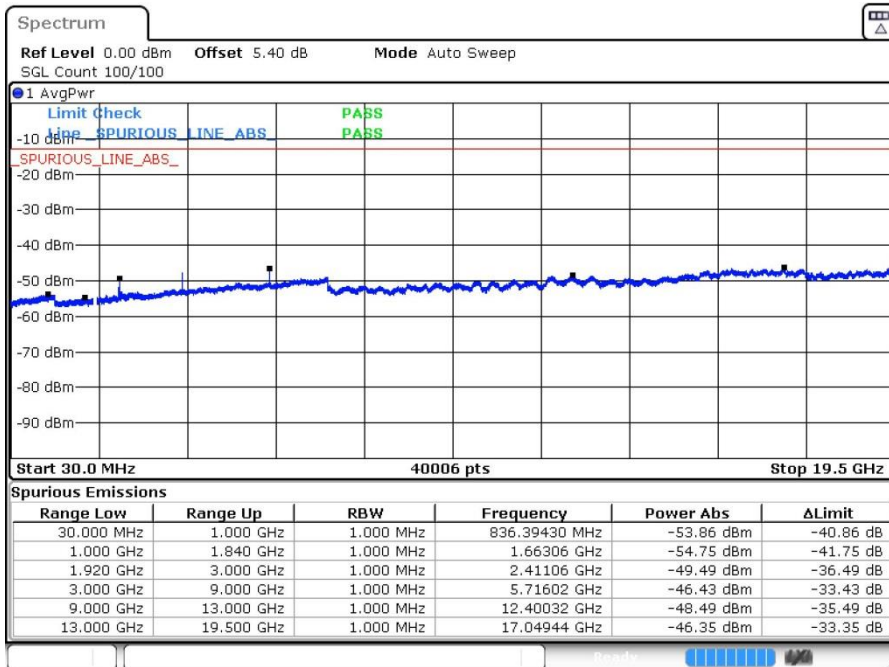
Middle Channel / QPSK



Date: 19 DEC 2021 23:46:25

Date: 19 DEC 2021 23:47:09

Highest Channel / QPSK



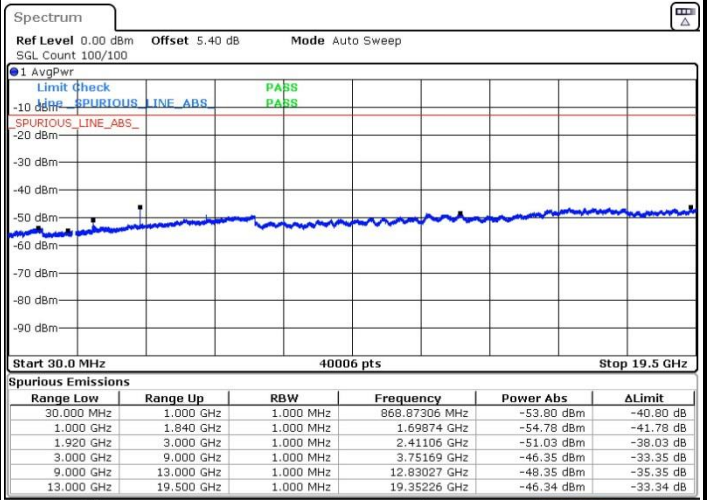
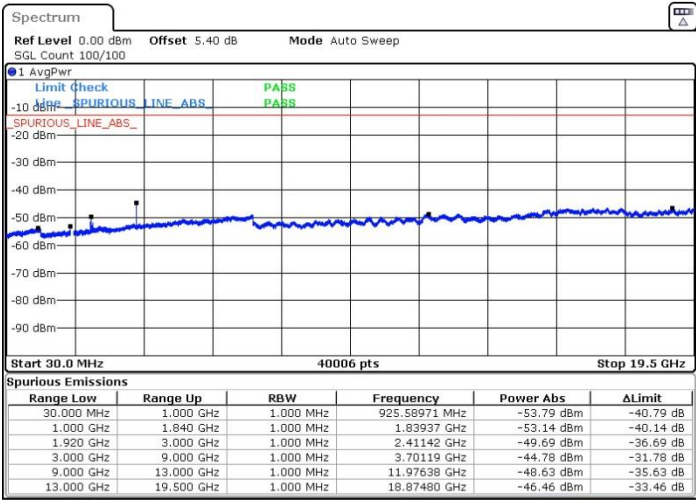
Date: 19 DEC 2021 23:47:52



LTE Band 2 / 10MHz

Lowest Channel / QPSK

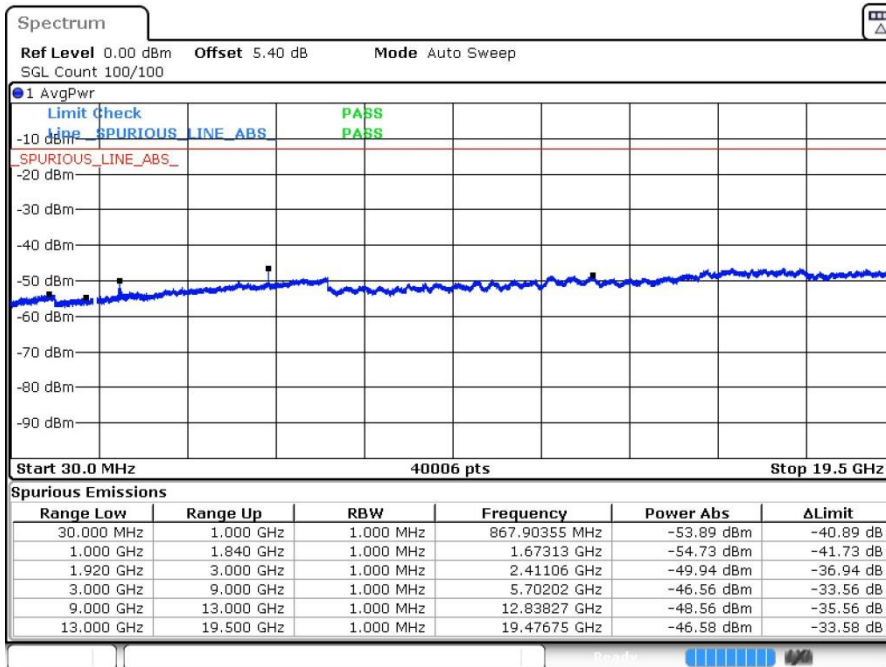
Middle Channel / QPSK



Date: 19 DEC 2021 23:48:42

Date: 19 DEC 2021 23:49:25

Highest Channel / QPSK



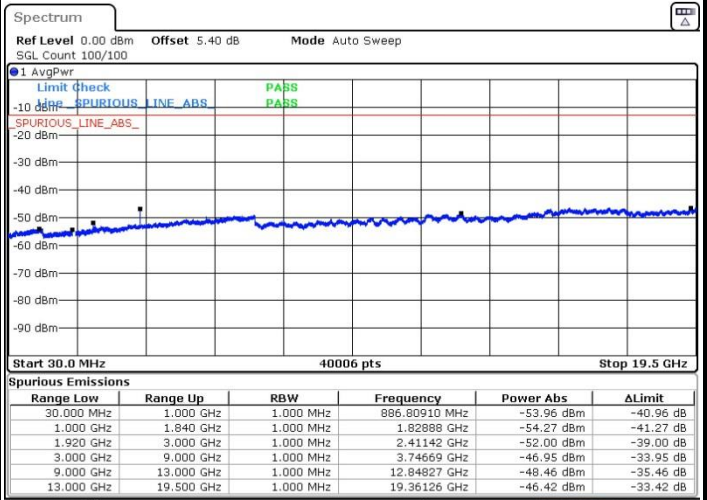
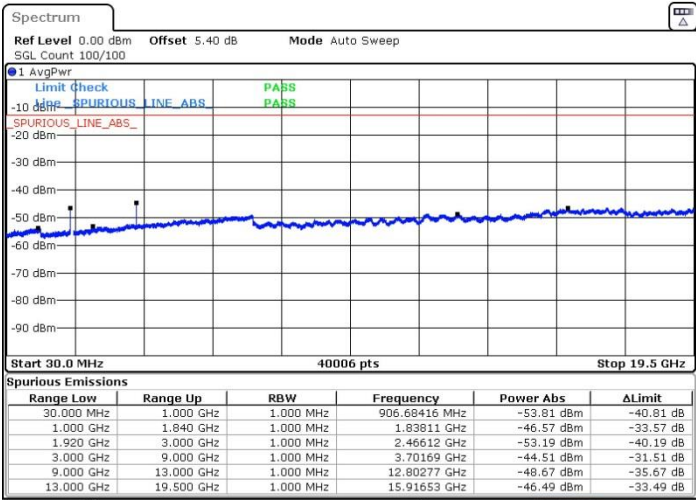
Date: 19 DEC 2021 23:50:09



LTE Band 2 / 15MHz

Lowest Channel / QPSK

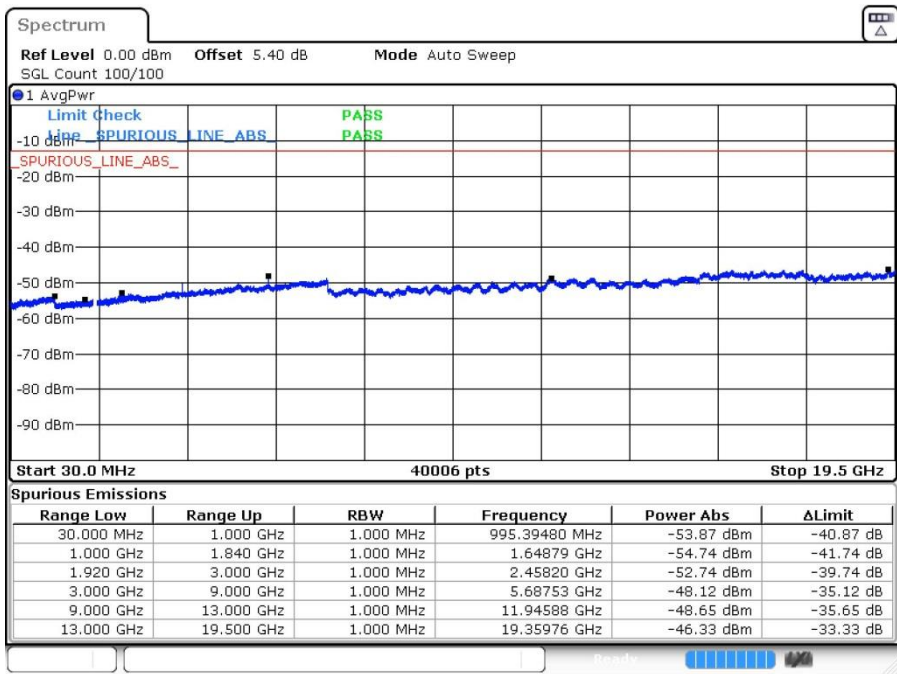
Middle Channel / QPSK



Date: 19 DEC 2021 23:50:55

Date: 19 DEC 2021 23:51:43

Highest Channel / QPSK



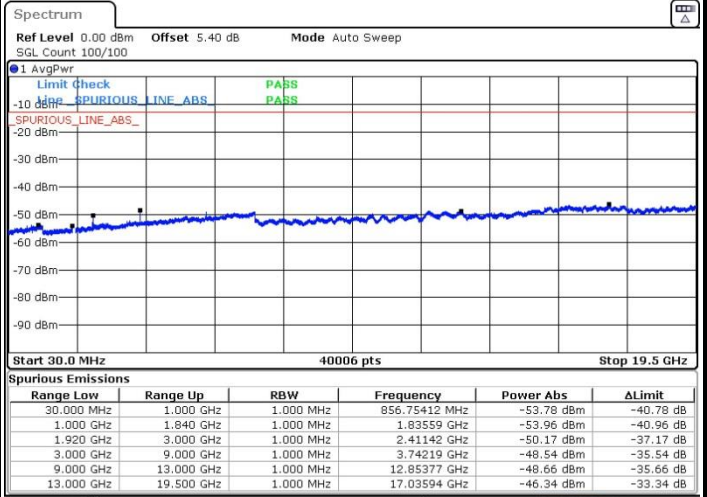
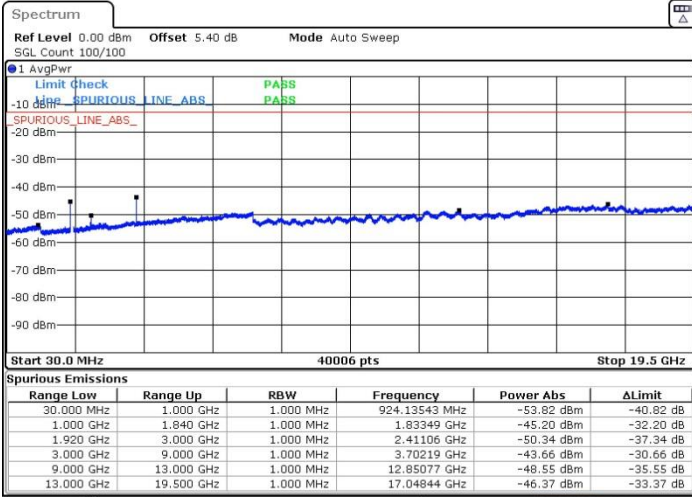
Date: 19 DEC 2021 23:52:34



LTE Band 2 / 20MHz

Lowest Channel / QPSK

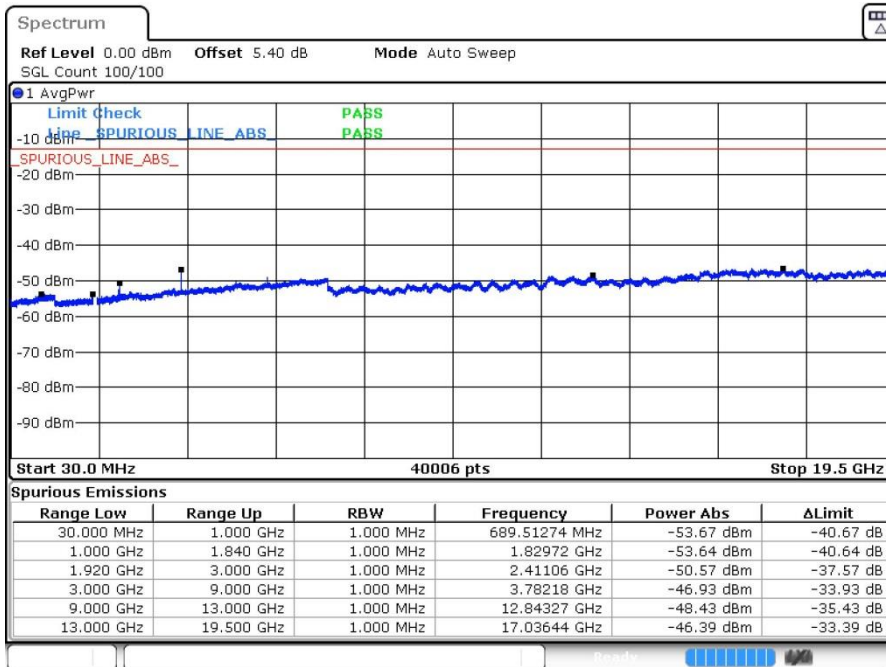
Middle Channel / QPSK



Date: 19 DEC 2021 23:53:25

Date: 19 DEC 2021 23:54:33

Highest Channel / QPSK



Date: 19 DEC 2021 23:55:25



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 | 0.0011 | PASS |
| 40 | Normal Voltage | 0.0006 | |
| 30 | Normal Voltage | 0.0004 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0008 | |
| 0 | Normal Voltage | 0.0013 | |
| -10 | Normal Voltage | 0.0017 | |
| -20 | Normal Voltage | 0.0015 | |
| -30 | Normal Voltage | 0.0019 | |
| 20 | Maximum Voltage | 0.0009 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0016 | |

Note:

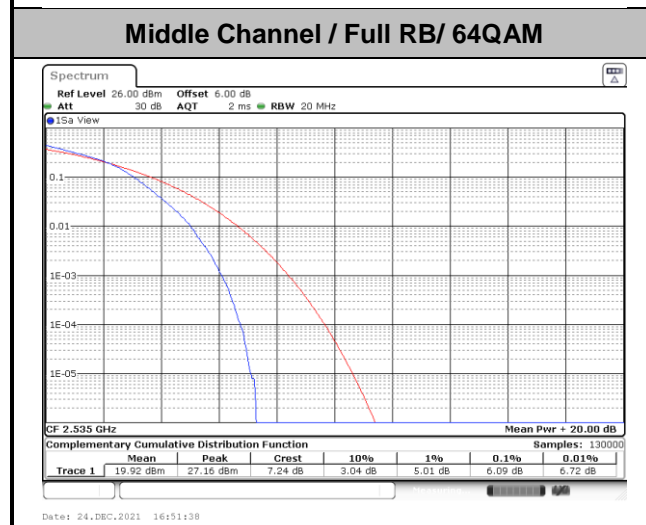
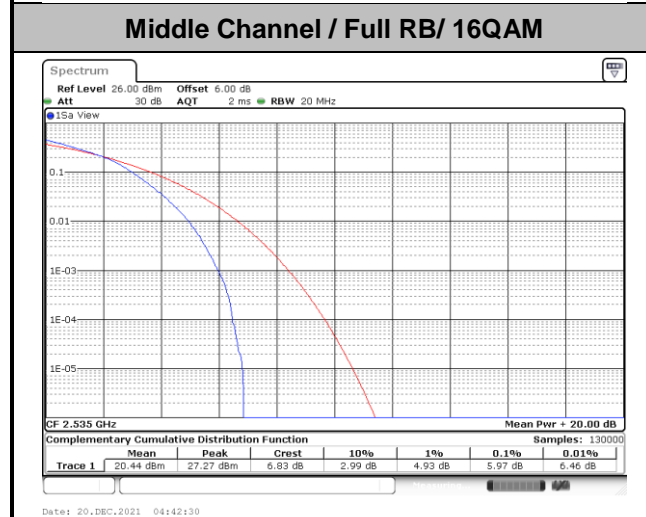
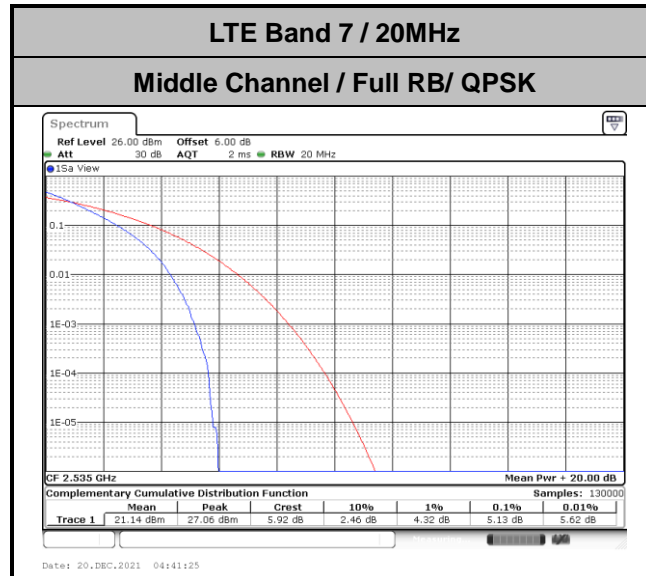
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

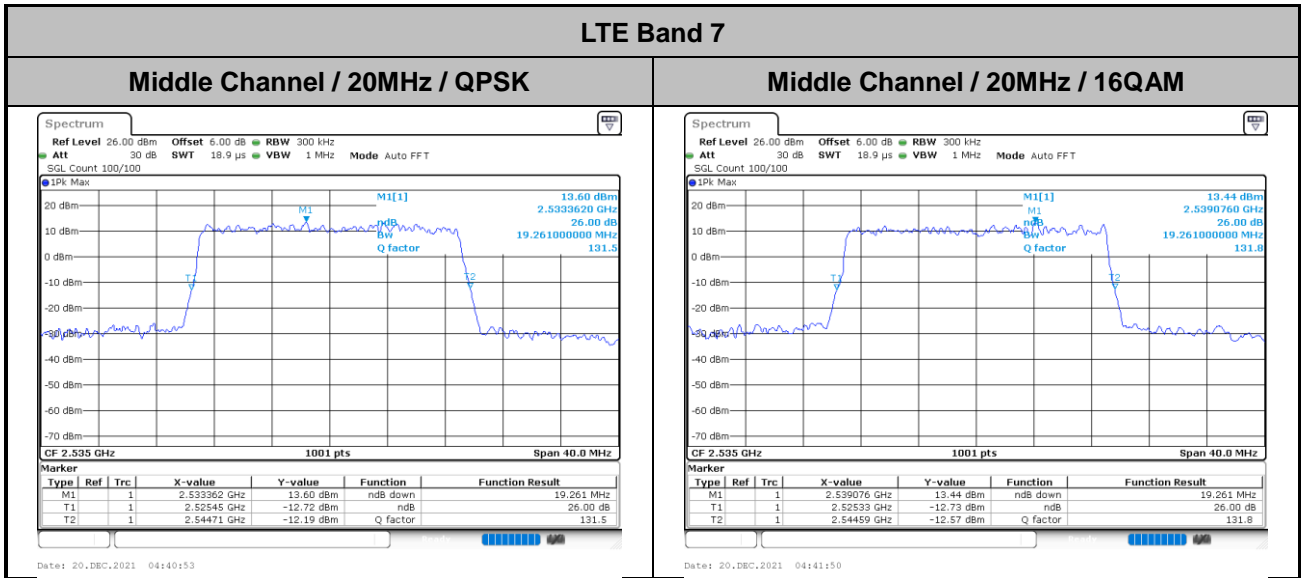
| Mode | LTE Band 7 / 20MHz | | | |
|-----------|--------------------|---------|---------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Result |
| Middle CH | 5.13 | 5.97 | 6.09 | PASS |





26dB Bandwidth

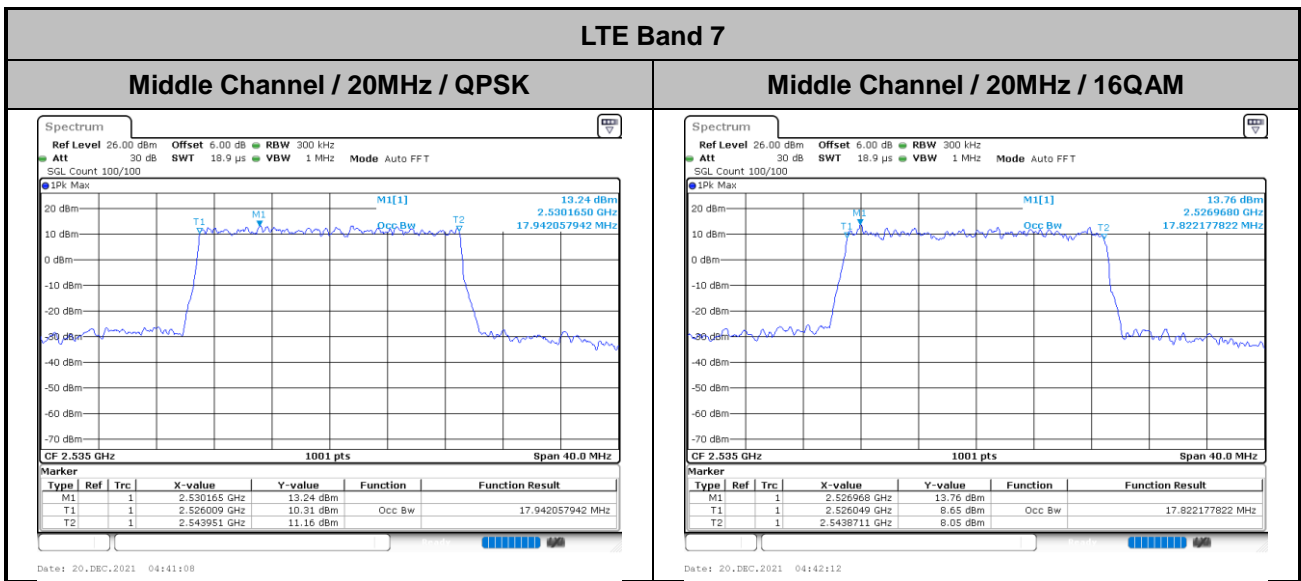
| | | |
|-----------|---------------------------|-------|
| Mode | LTE Band 7 : 26dB BW(MHz) | |
| BW | 20MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 19.26 | 19.26 |





Occupied Bandwidth

| | | |
|-----------|--------------------------|-------|
| Mode | LTE Band 7 : 99%OBW(MHz) | |
| BW | 20MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 17.94 | 17.82 |

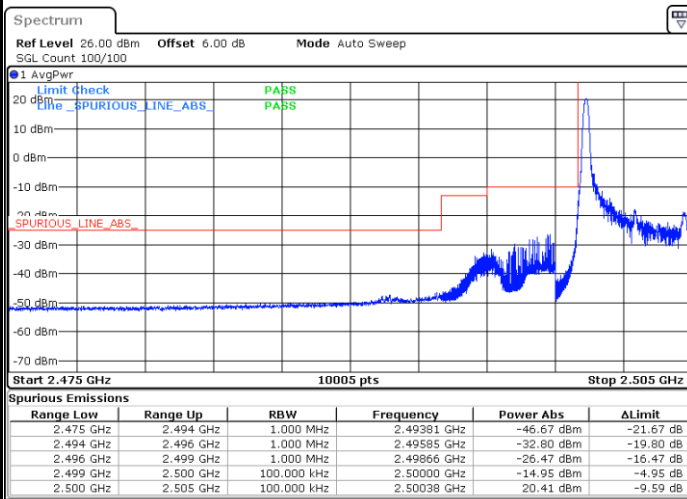




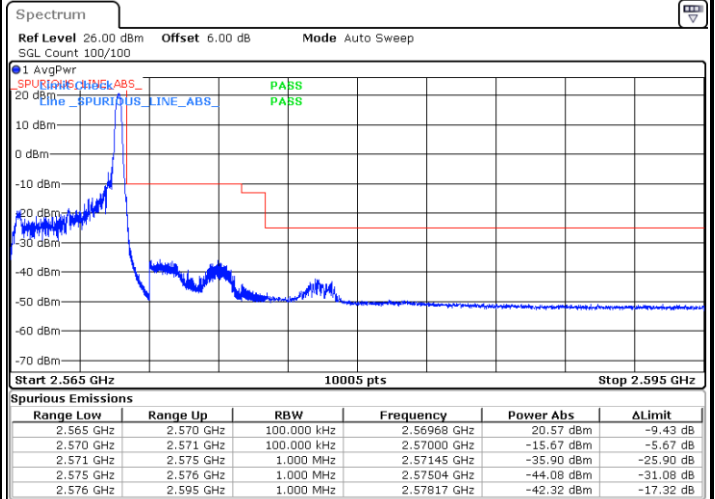
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

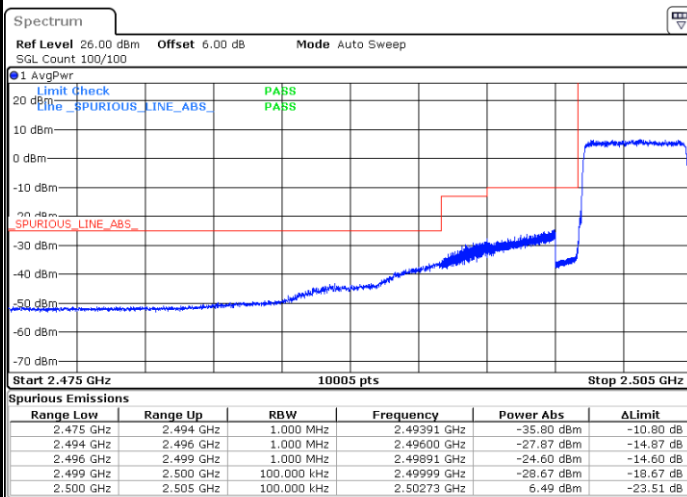
Lowest Band Edge / 1 RB



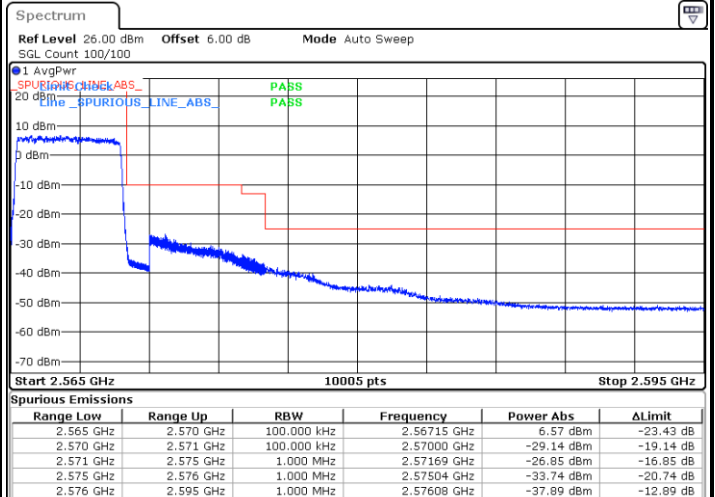
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



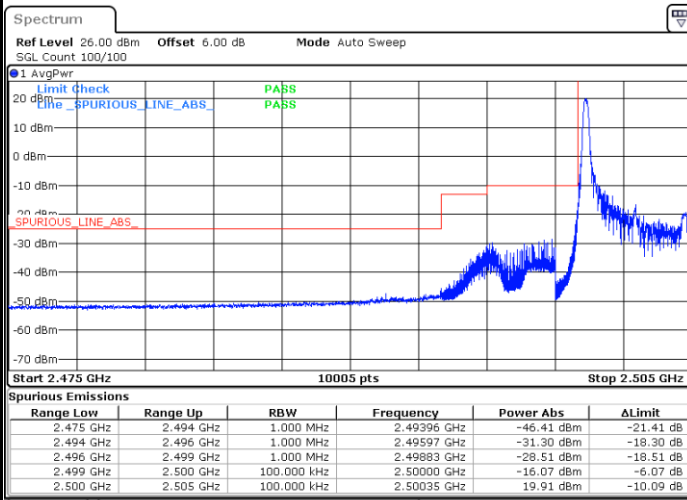
Highest Band Edge / Full RB





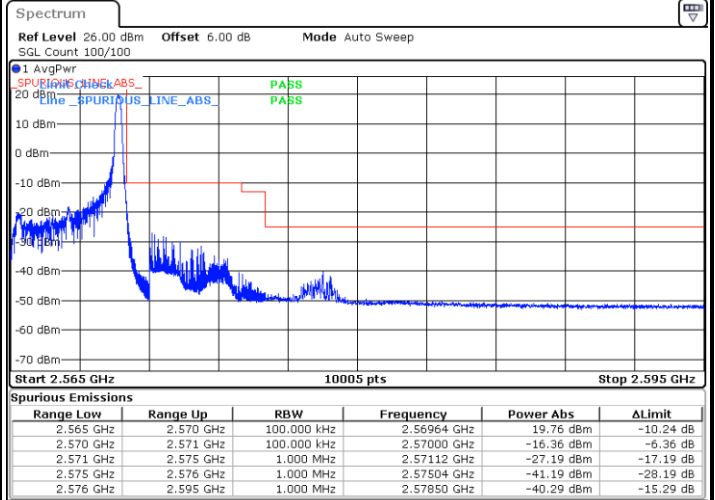
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



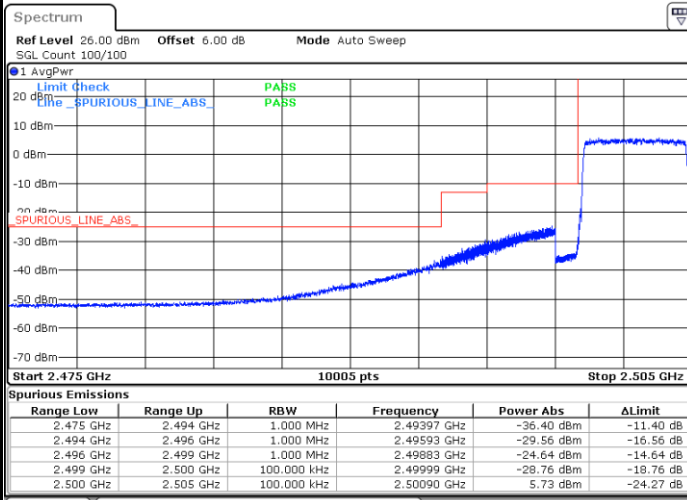
Date: 20.DEC.2021 04:00:38

Highest Band Edge / 1 RB



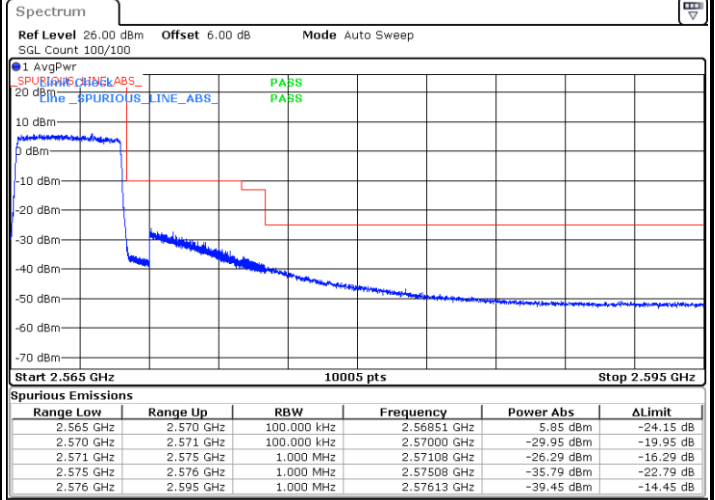
Date: 20.DEC.2021 04:07:39

Lowest Band Edge / Full RB



Date: 20.DEC.2021 03:58:05

Highest Band Edge / Full RB

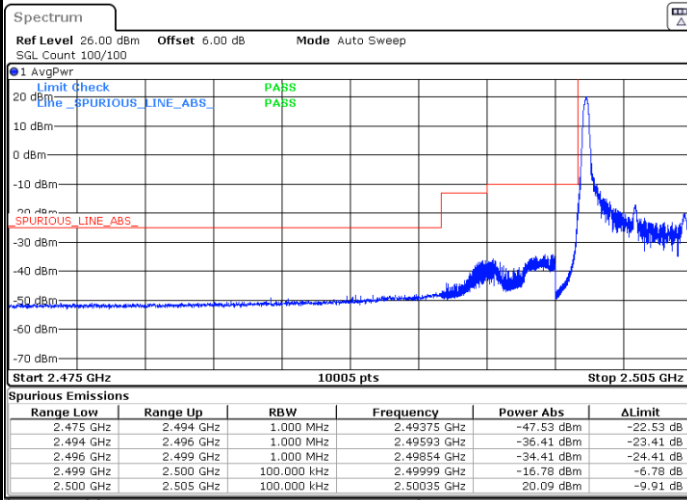


Date: 20.DEC.2021 04:08:29



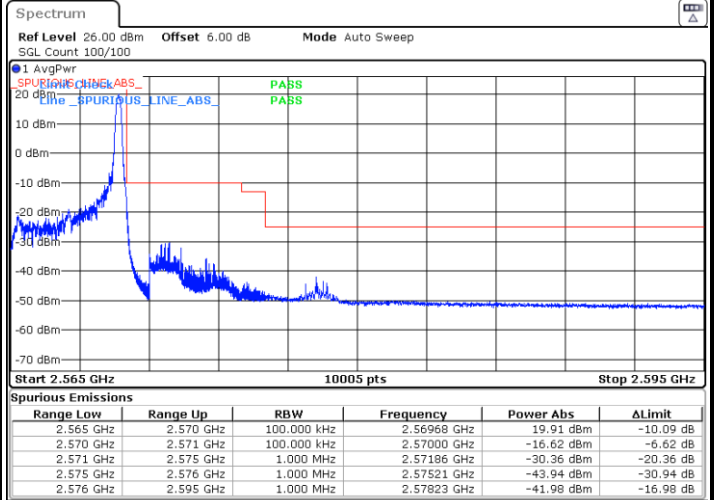
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



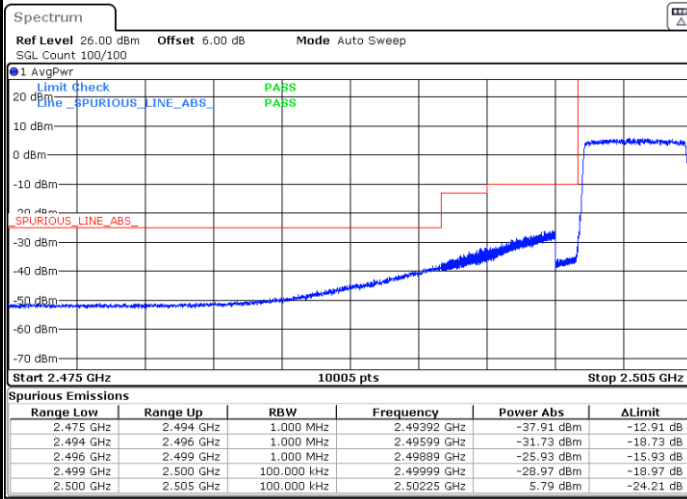
Date: 24.DEC.2021 16:32:23

Highest Band Edge / 1 RB



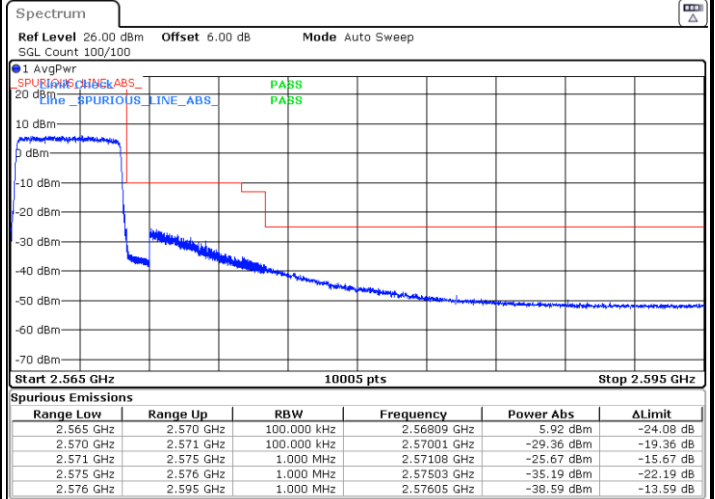
Date: 24.DEC.2021 16:35:11

Lowest Band Edge / Full RB



Date: 24.DEC.2021 16:33:47

Highest Band Edge / Full RB

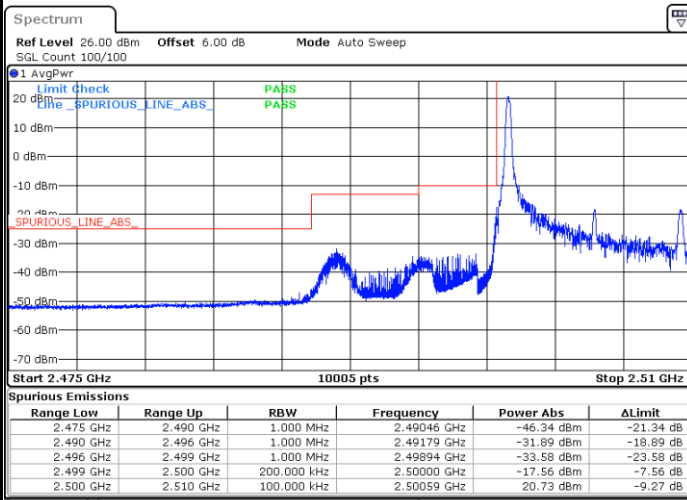


Date: 24.DEC.2021 16:36:34



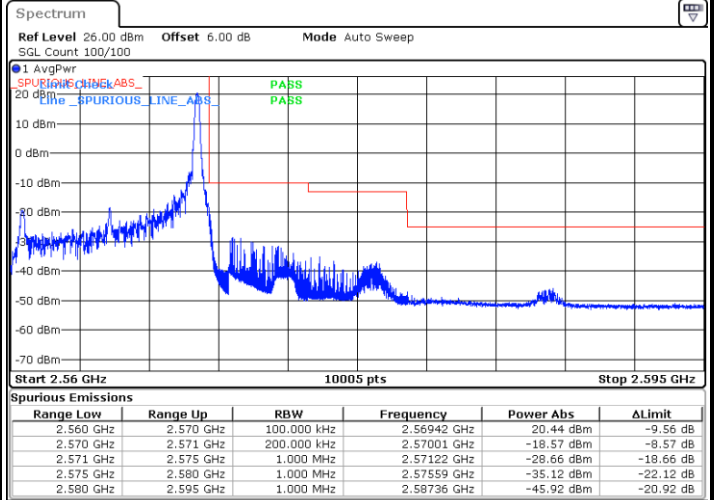
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



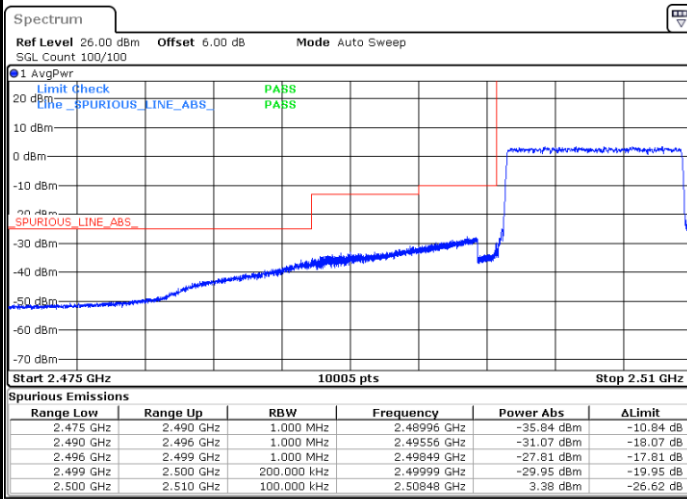
Date: 20.DEC.2021 04:12:48

Highest Band Edge / 1 RB



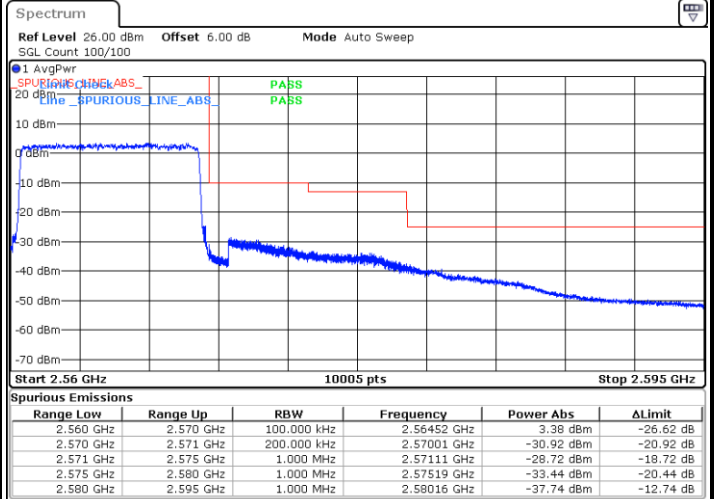
Date: 20.DEC.2021 04:21:46

Lowest Band Edge / Full RB



Date: 20.DEC.2021 04:10:53

Highest Band Edge / Full RB

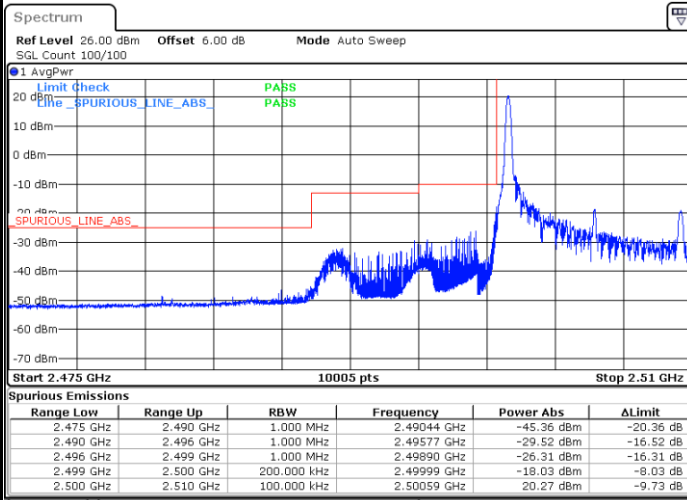


Date: 20.DEC.2021 04:19:45



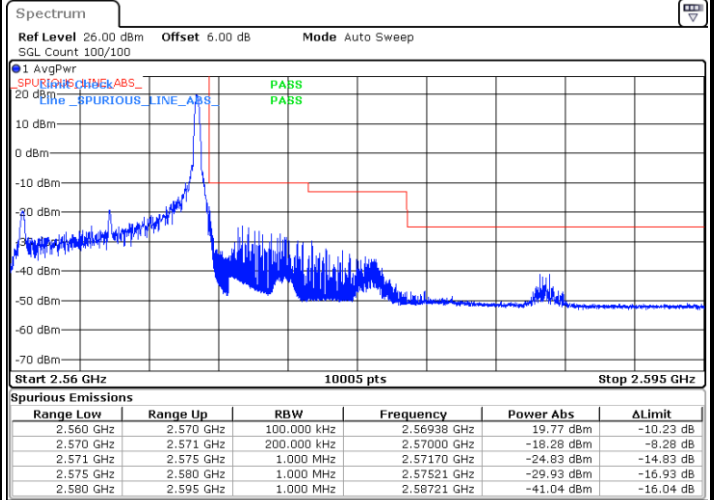
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



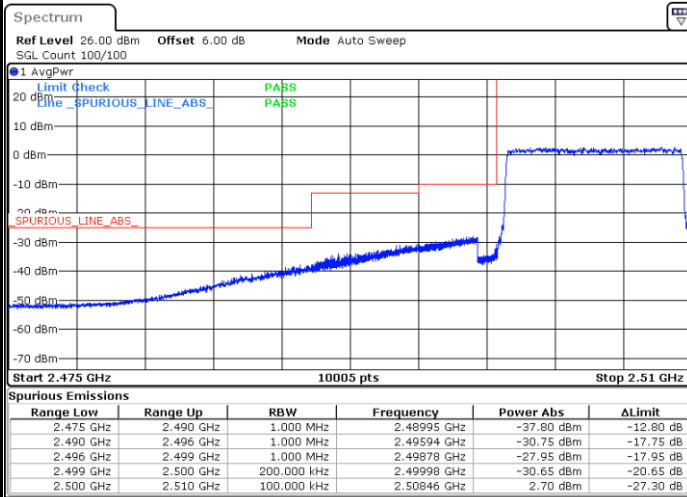
Date: 20.DEC.2021 04:12:11

Highest Band Edge / 1 RB



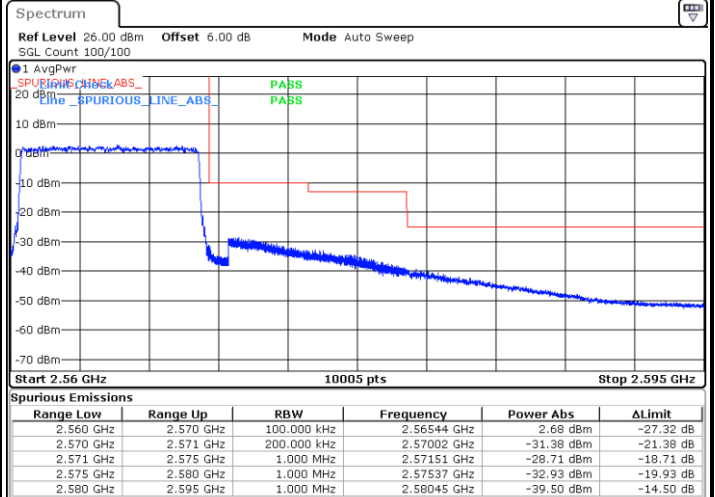
Date: 20.DEC.2021 04:22:32

Lowest Band Edge / Full RB



Date: 20.DEC.2021 04:11:25

Highest Band Edge / Full RB

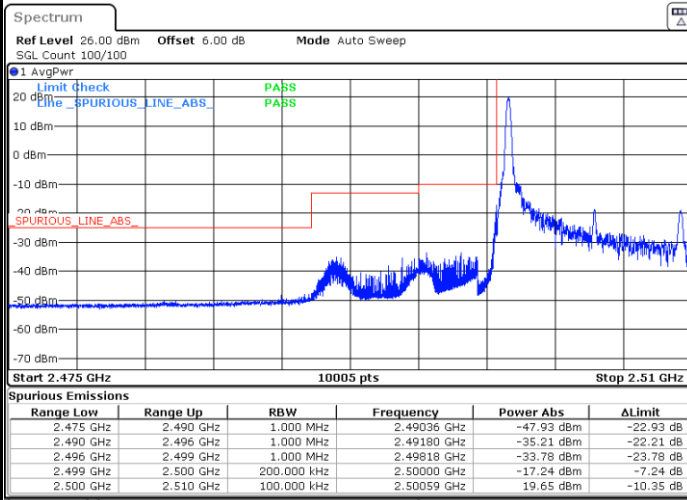


Date: 20.DEC.2021 04:19:09



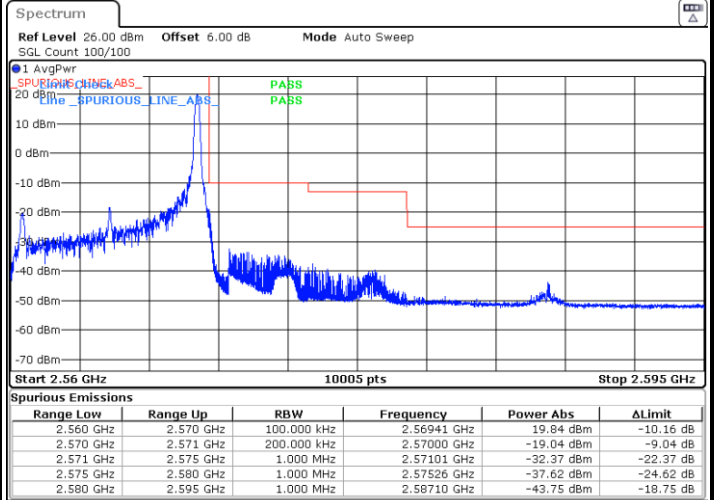
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



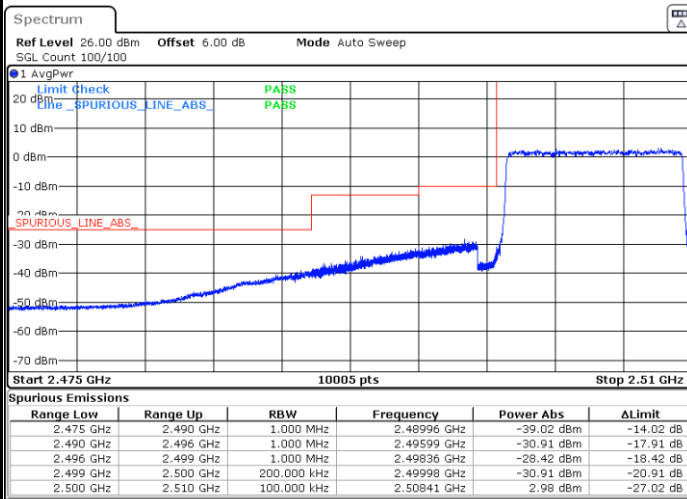
Date: 24.DEC.2021 16:39:31

Highest Band Edge / 1 RB



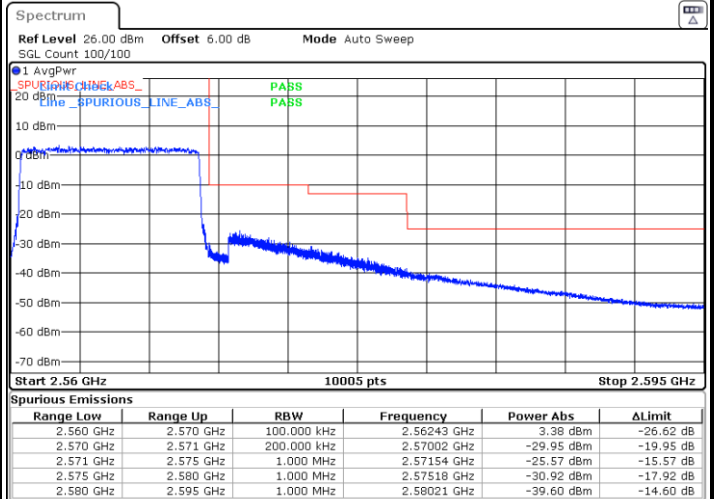
Date: 24.DEC.2021 16:41:38

Lowest Band Edge / Full RB



Date: 24.DEC.2021 16:40:35

Highest Band Edge / Full RB

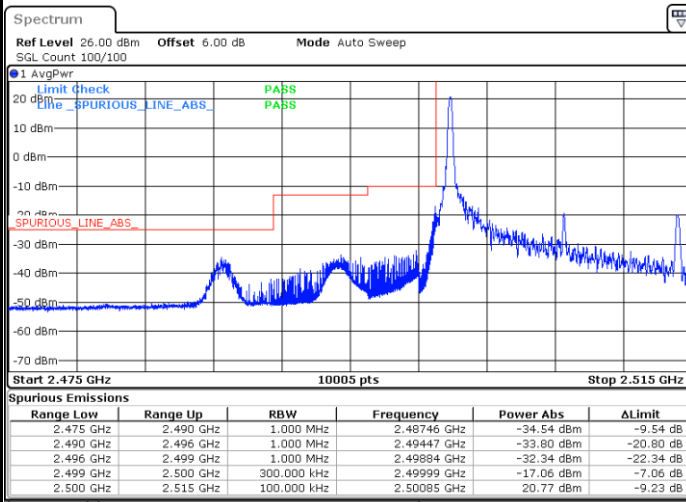


Date: 24.DEC.2021 16:42:42



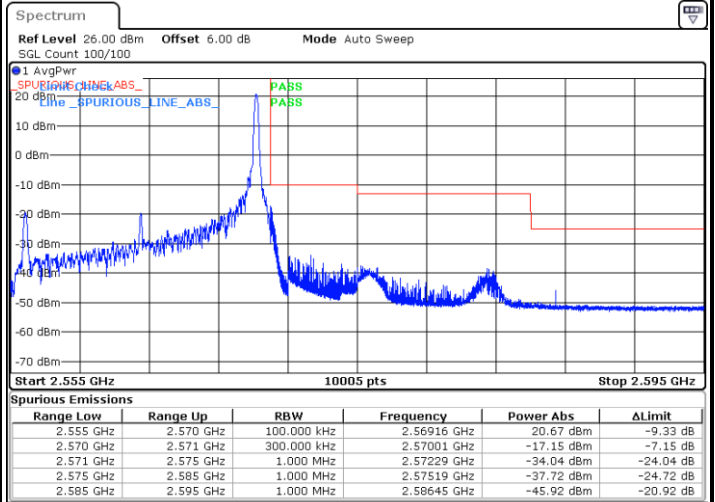
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



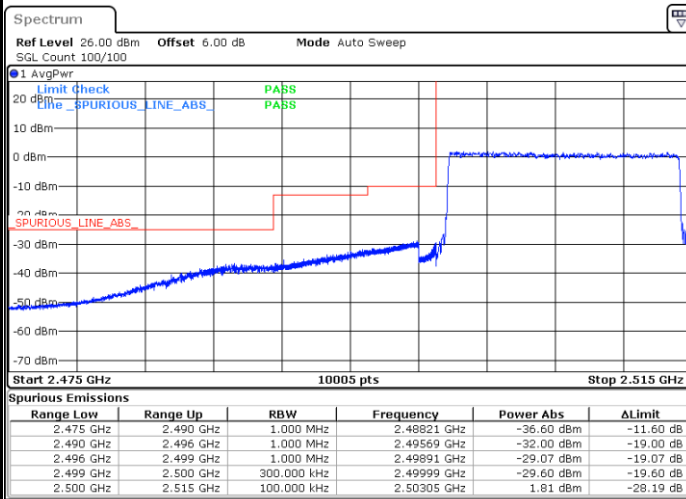
Date: 20.DEC.2021 04:33:24

Highest Band Edge / 1 RB



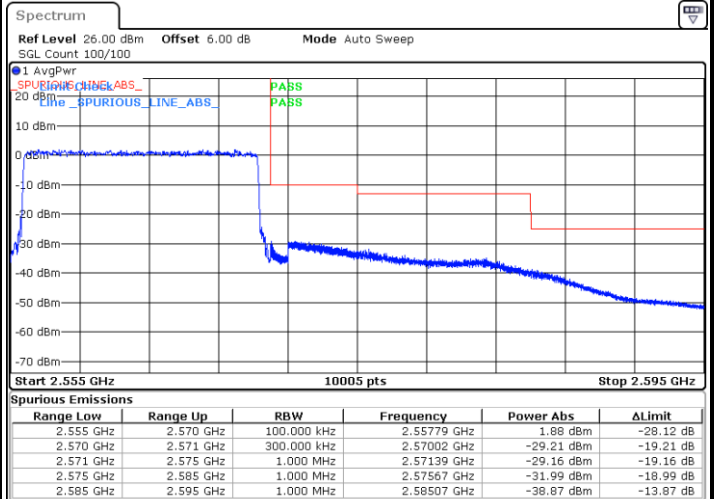
Date: 20.DEC.2021 04:27:25

Lowest Band Edge / Full RB



Date: 20.DEC.2021 04:31:23

Highest Band Edge / Full RB

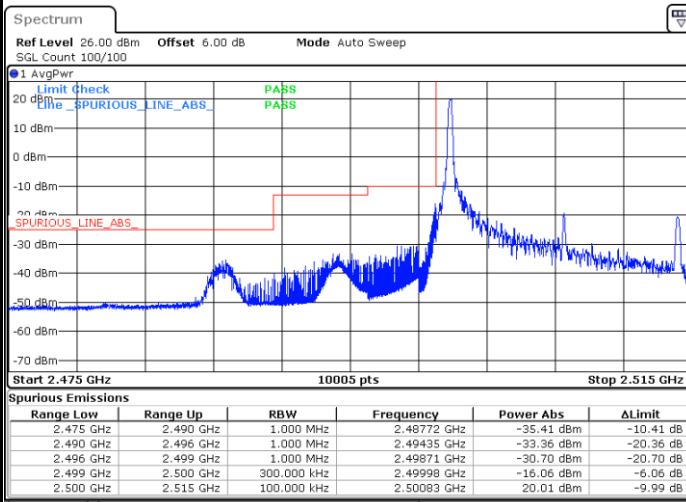


Date: 20.DEC.2021 04:29:29

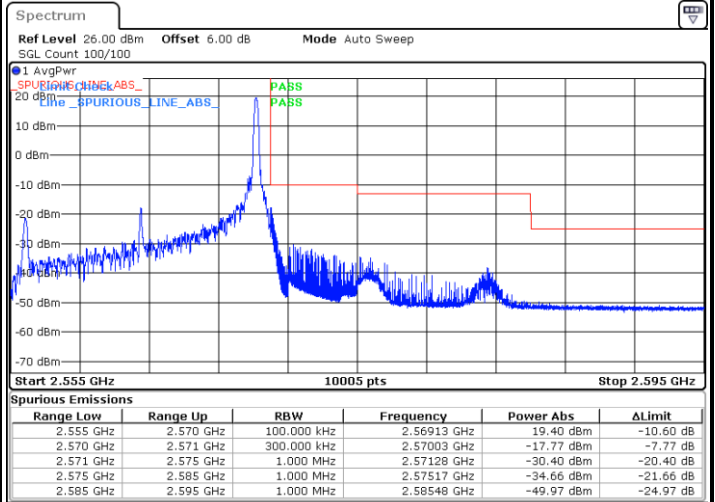


LTE Band 7 / 15MHz / 16QAM

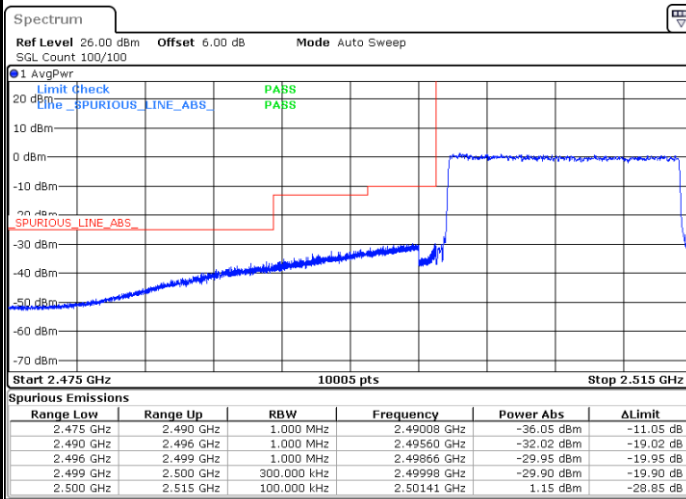
Lowest Band Edge / 1 RB



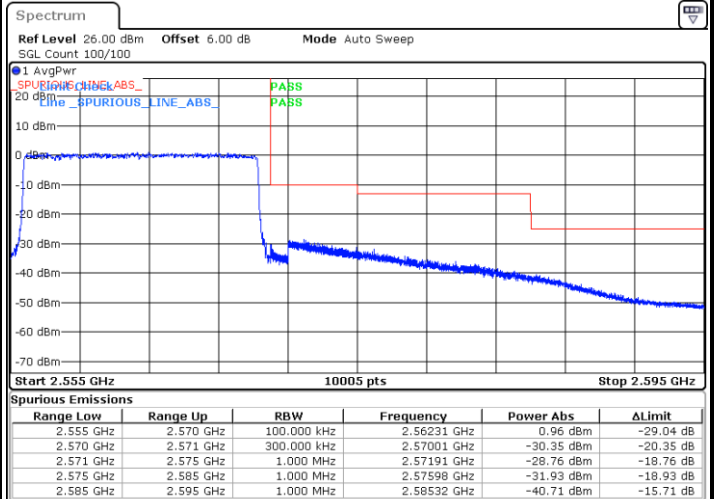
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



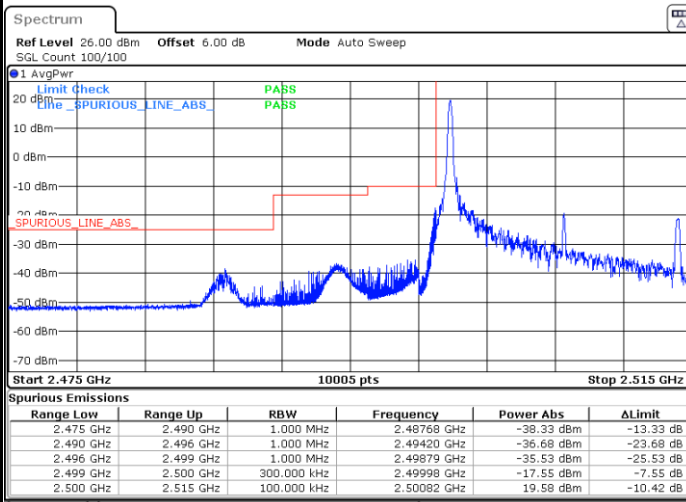
Highest Band Edge / Full RB





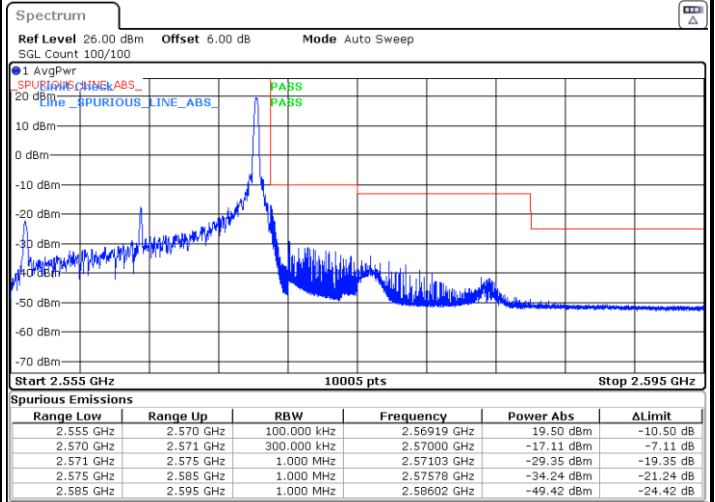
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



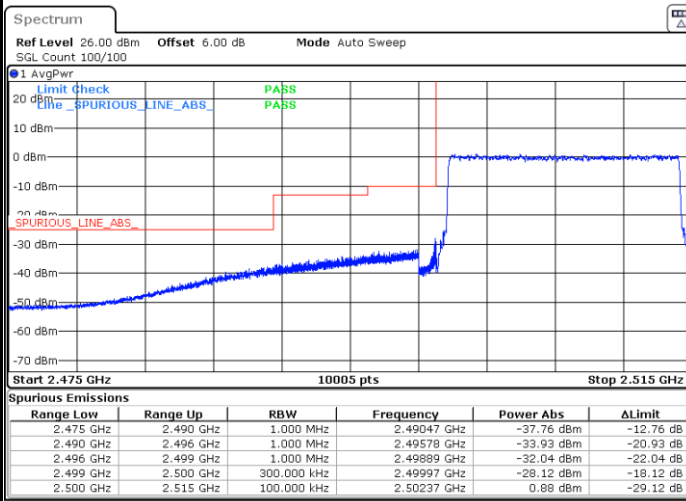
Date: 24.DEC.2021 16:43:46

Highest Band Edge / 1 RB



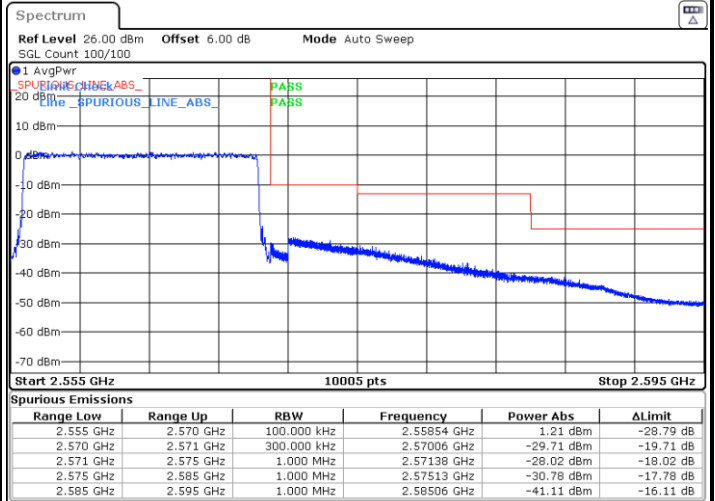
Date: 24.DEC.2021 16:45:54

Lowest Band Edge / Full RB



Date: 24.DEC.2021 16:44:50

Highest Band Edge / Full RB

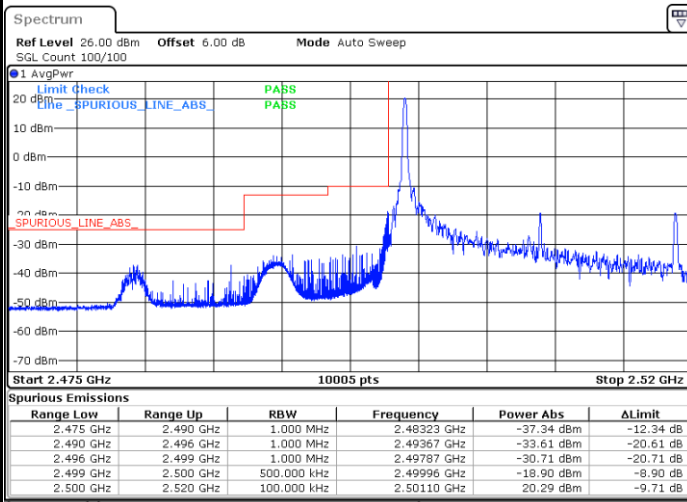


Date: 24.DEC.2021 16:46:57



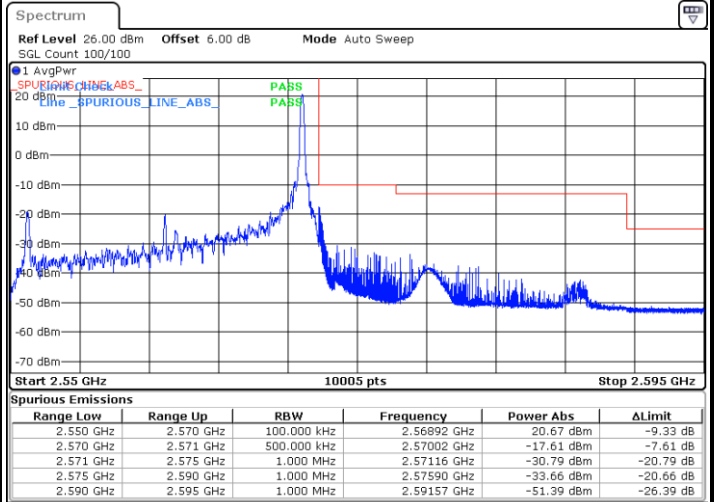
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



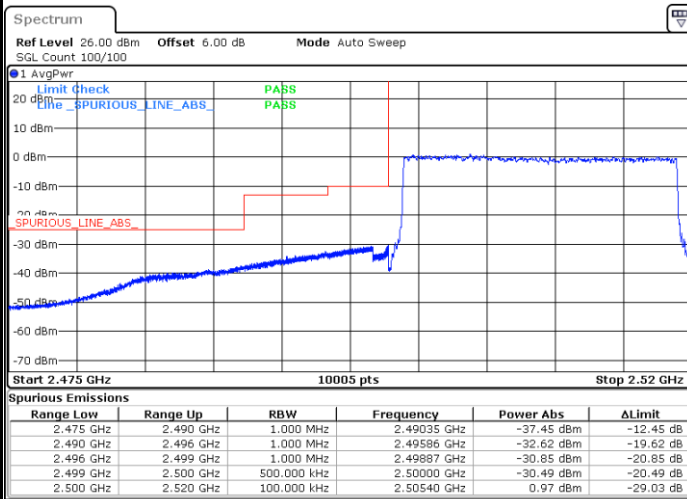
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Highest Band Edge / 1 RB



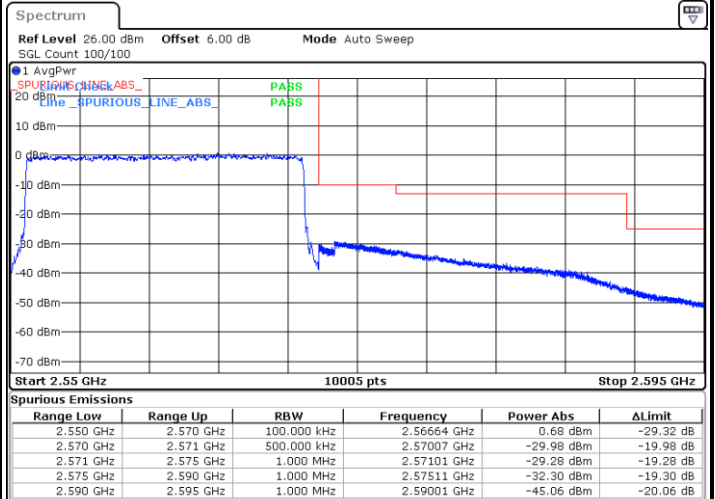
Date: 20.DEC.2021 04:47:46

Lowest Band Edge / Full RB



Date: 20.DEC.2021 04:36:35

Highest Band Edge / Full RB



Date: 20.DEC.2021 04:45:32