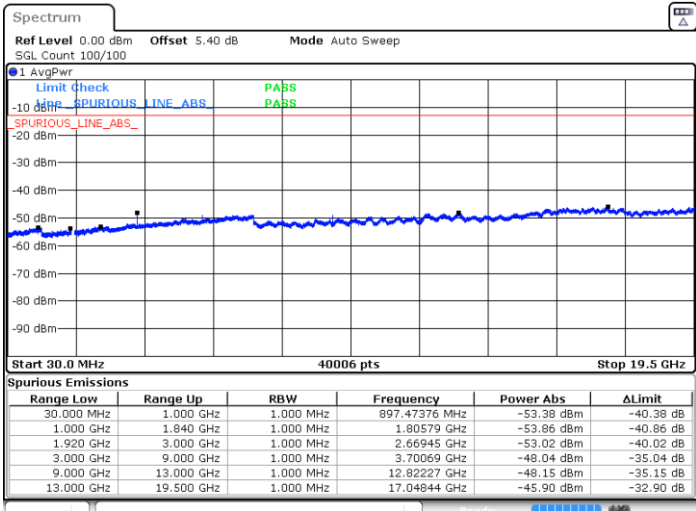




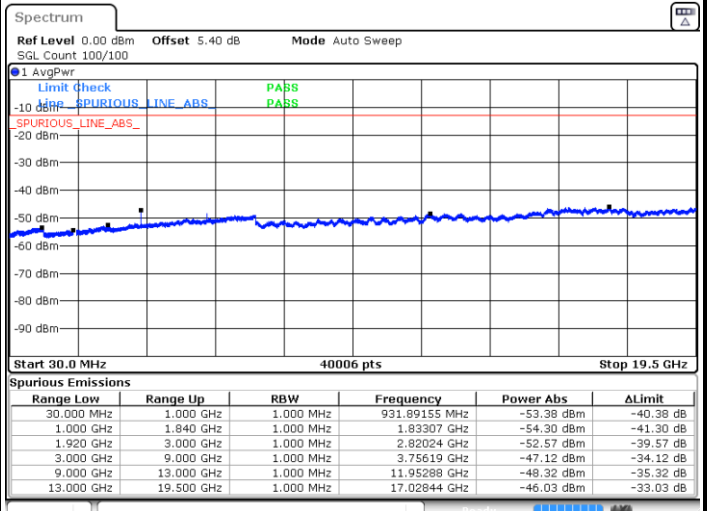
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

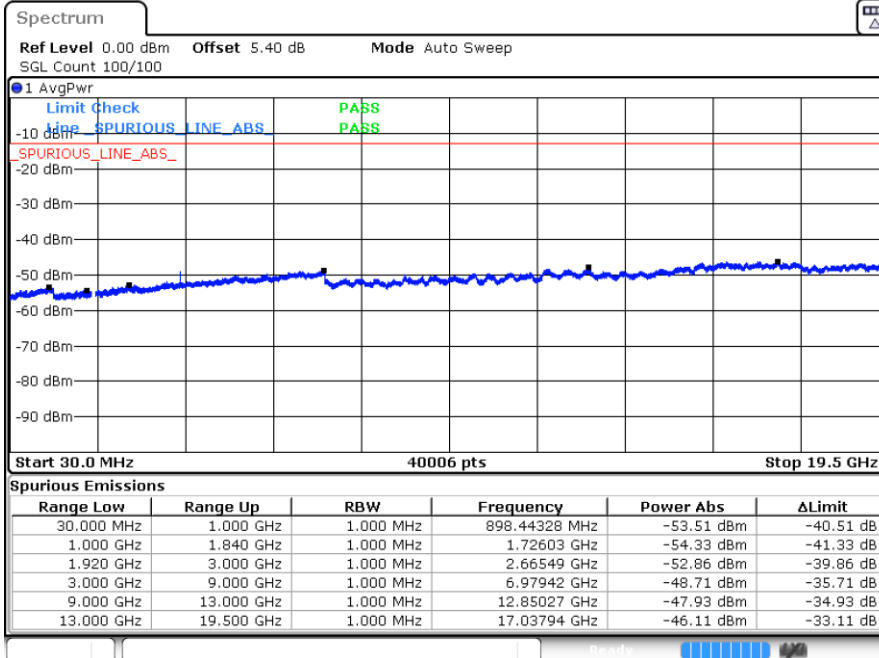


Date: 9 JUN 2022 17:13:10



Date: 9 JUN 2022 17:14:31

Highest Channel / QPSK



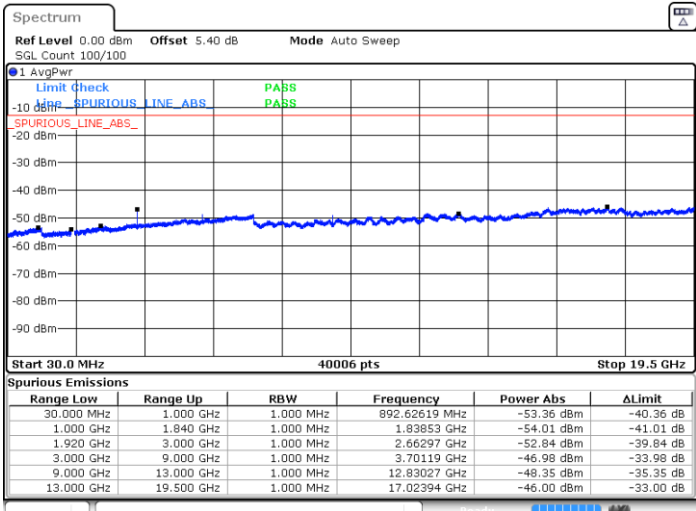
Date: 9 JUN 2022 17:15:51



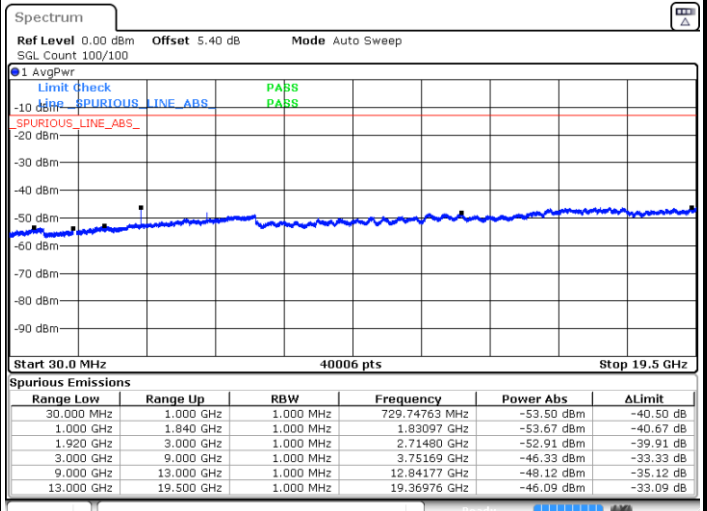
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

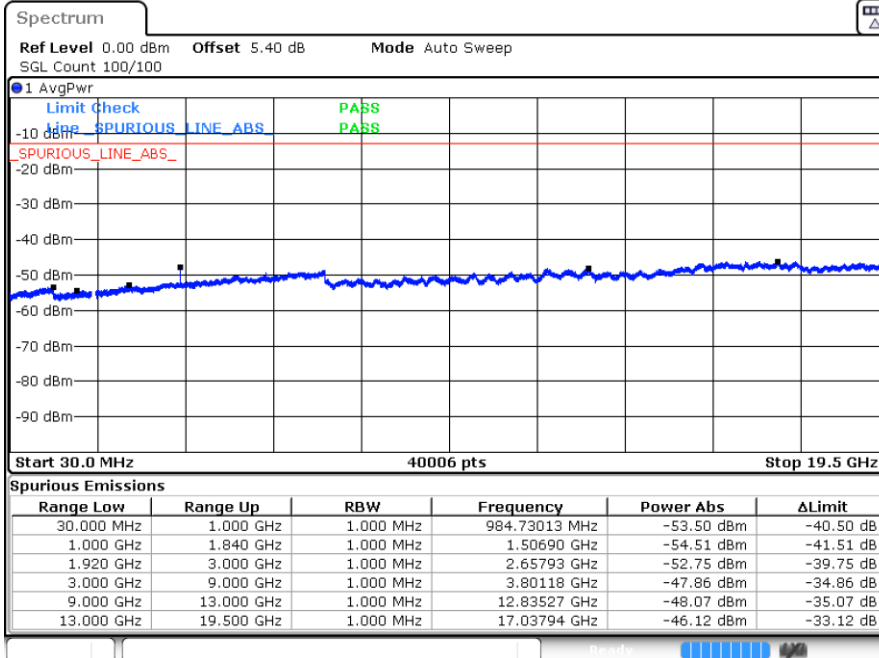


Date: 9 JUN 2022 17:17:12



Date: 9 JUN 2022 17:18:32

Highest Channel / QPSK



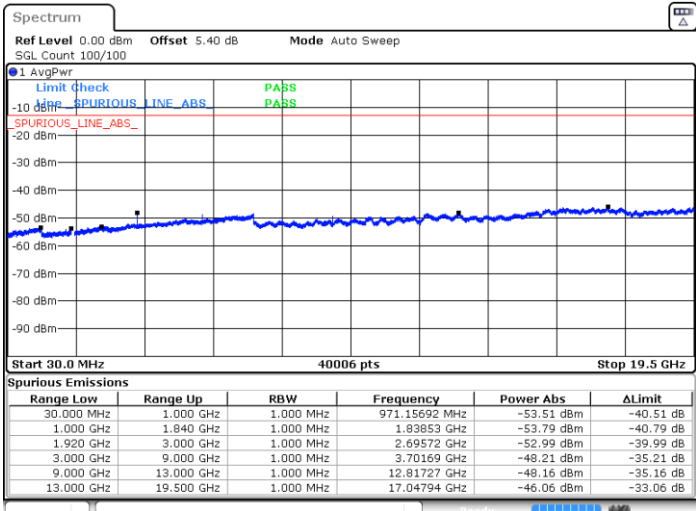
Date: 9 JUN 2022 17:19:52



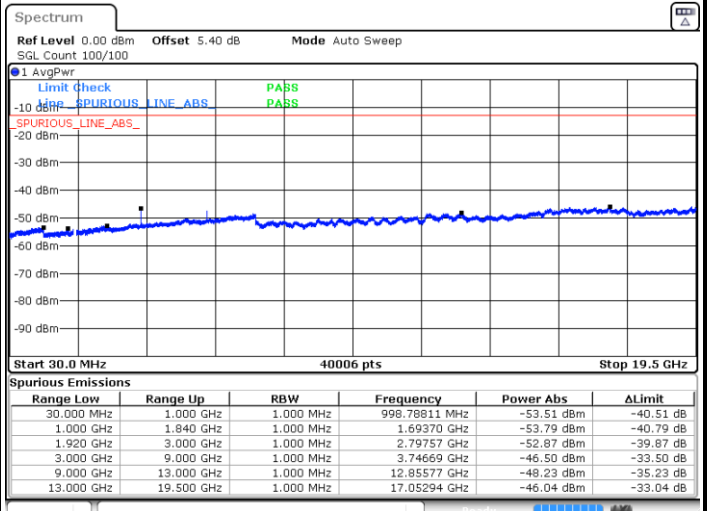
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

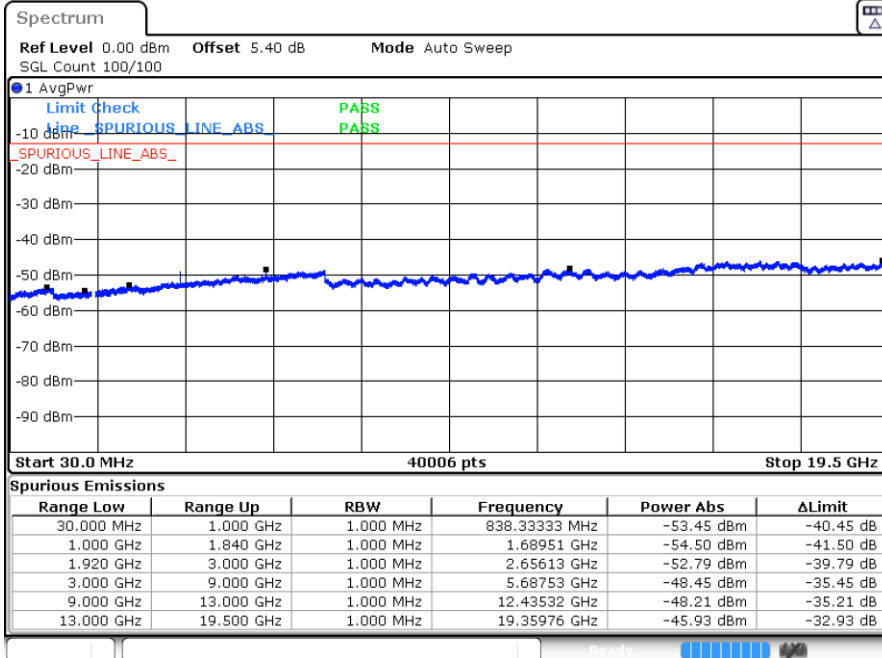


Date: 9 JUN 2022 17:21:14



Date: 9 JUN 2022 17:22:34

Highest Channel / QPSK



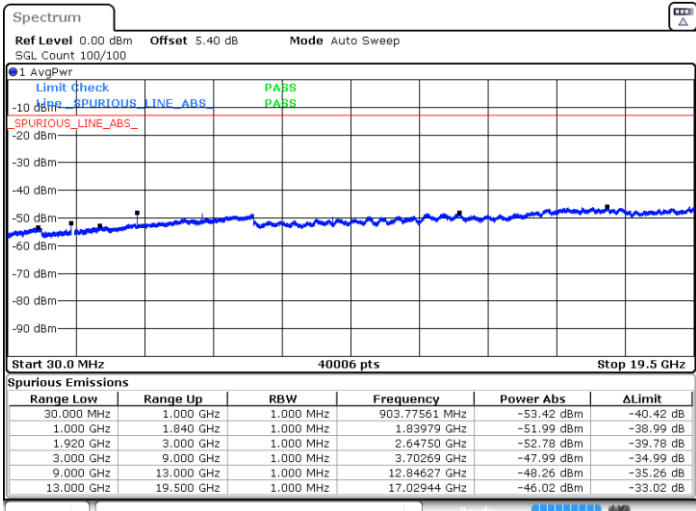
Date: 9 JUN 2022 17:23:54



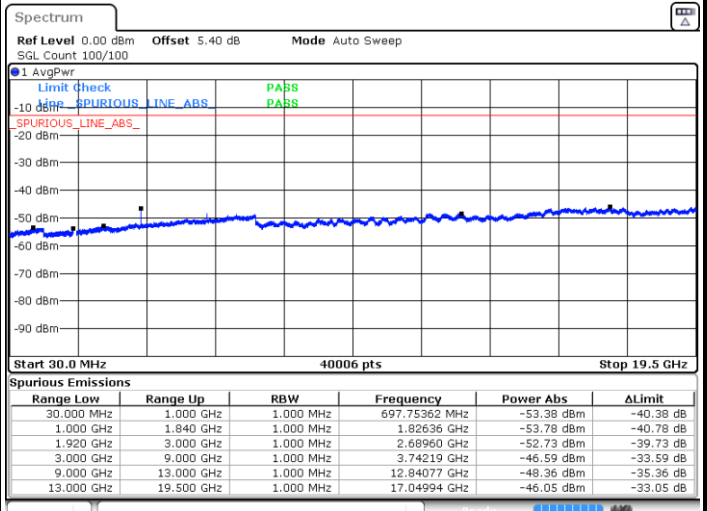
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

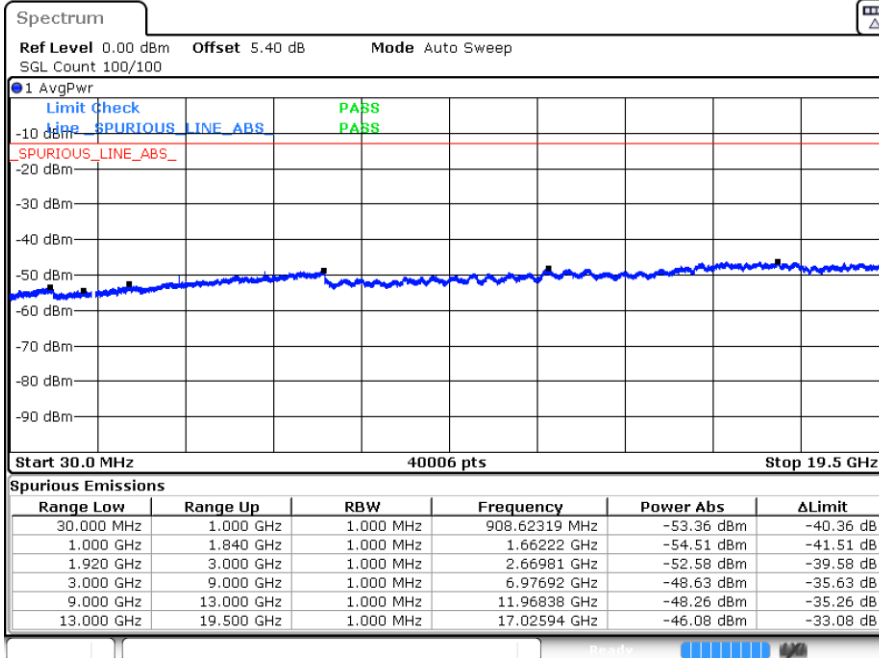


Date: 9 JUN 2022 17:25:16



Date: 9 JUN 2022 17:26:36

Highest Channel / QPSK



Date: 9 JUN 2022 17:27:56



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 | 0.0022 | PASS |
| 40 | Normal Voltage | 0.0016 | |
| 30 | Normal Voltage | 0.0005 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0011 | |
| 0 | Normal Voltage | 0.0006 | |
| -10 | Normal Voltage | 0.0013 | |
| -20 | Normal Voltage | 0.0008 | |
| -30 | Normal Voltage | 0.0017 | |
| 20 | Maximum Voltage | 0.0004 | |
| 20 | Normal Voltage | 0.0011 | |
| 20 | Battery End Point | 0.0015 | |

Note:

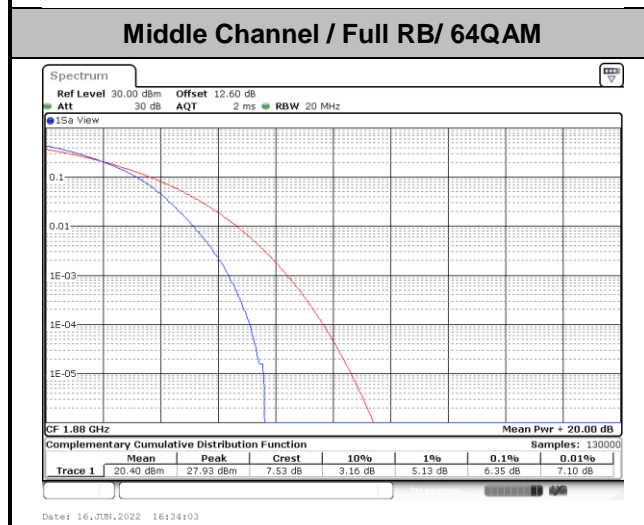
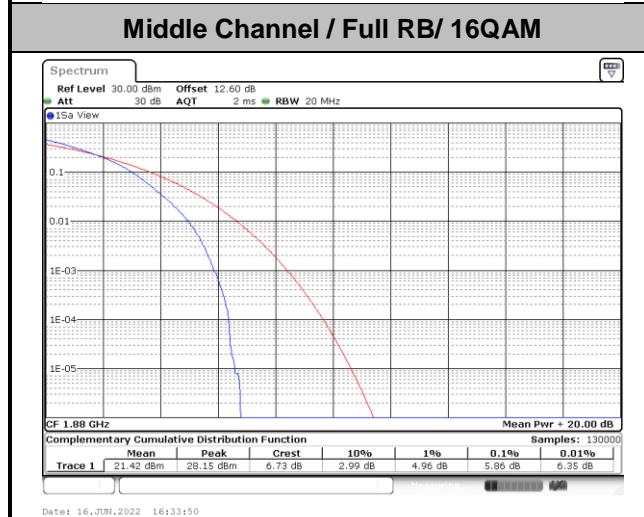
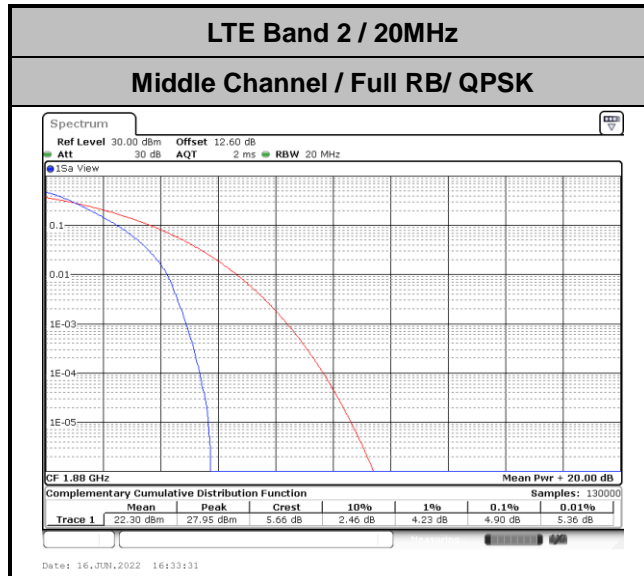
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 2 for Other PA

Peak-to-Average Ratio

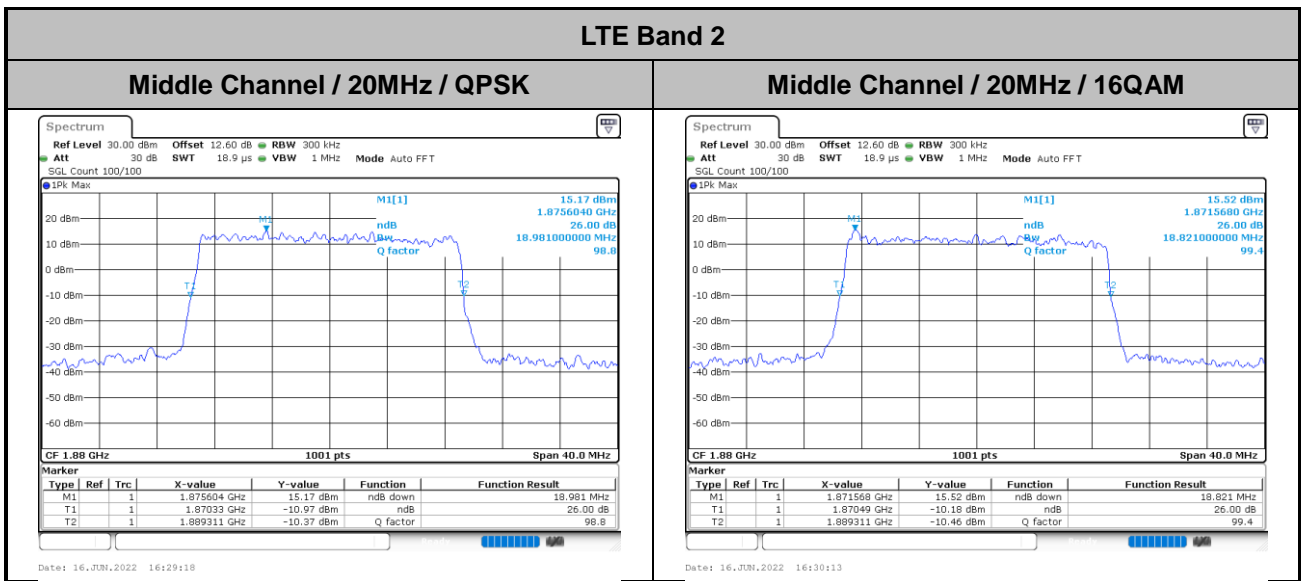
| Mode | LTE Band 2 / 20MHz | | | |
|-----------|--------------------|---------|---------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Result |
| Middle CH | 4.9 | 5.86 | 6.35 | PASS |





26dB Bandwidth

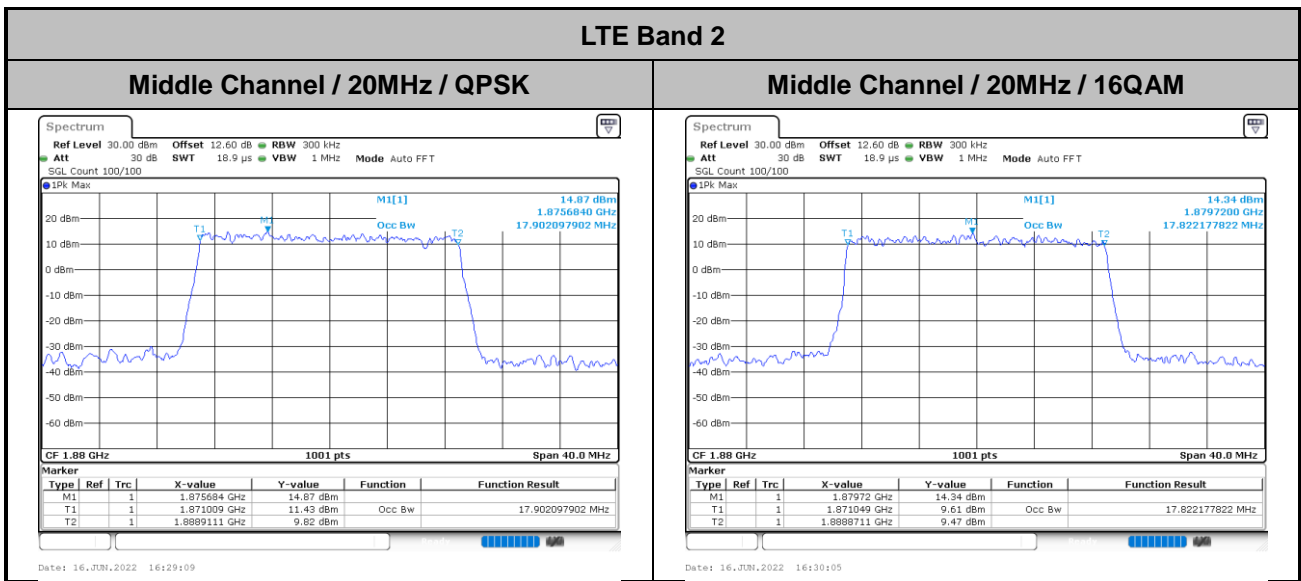
| | | |
|-----------|---------------------------|-------|
| Mode | LTE Band 2 : 26dB BW(MHz) | |
| BW | 20MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 18.98 | 18.82 |





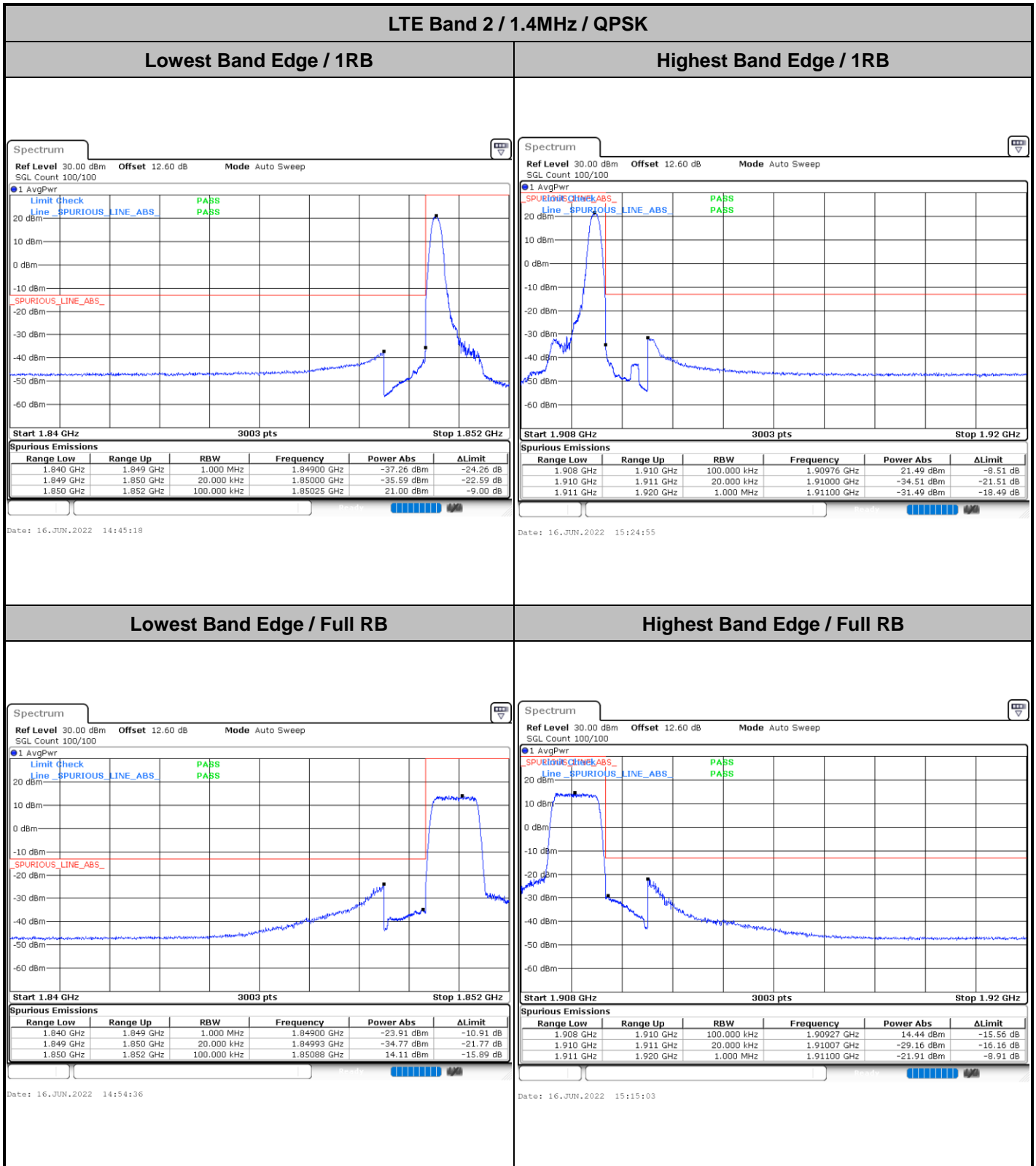
Occupied Bandwidth

| | | |
|-----------|--------------------------|-------|
| Mode | LTE Band 2 : 99%OBW(MHz) | |
| BW | 20MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 17.90 | 17.82 |





Conducted Band Edge

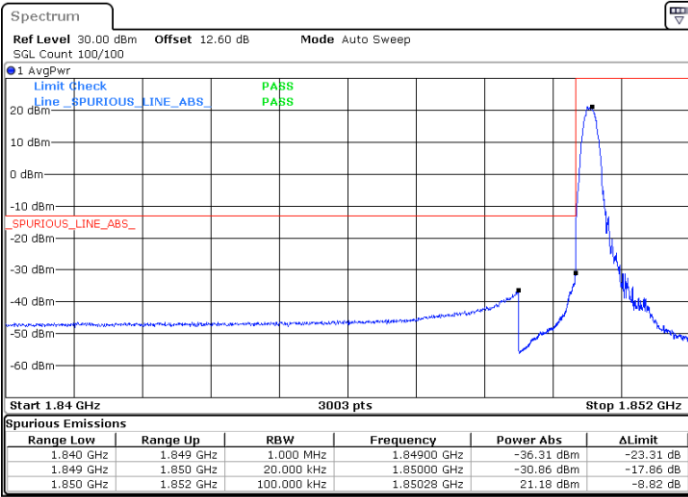




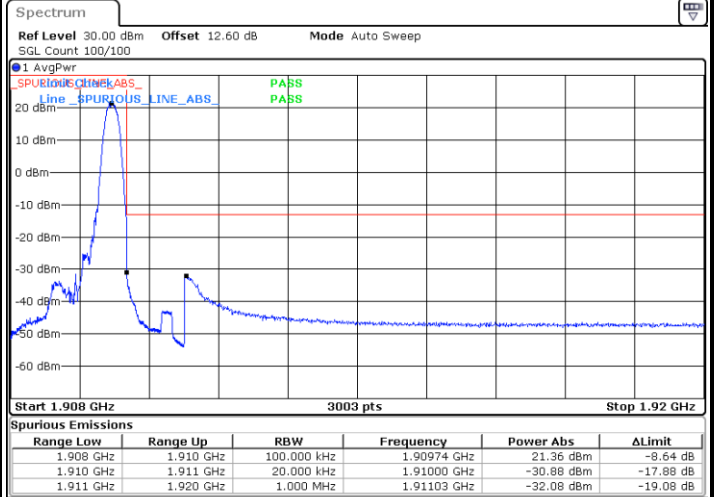
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



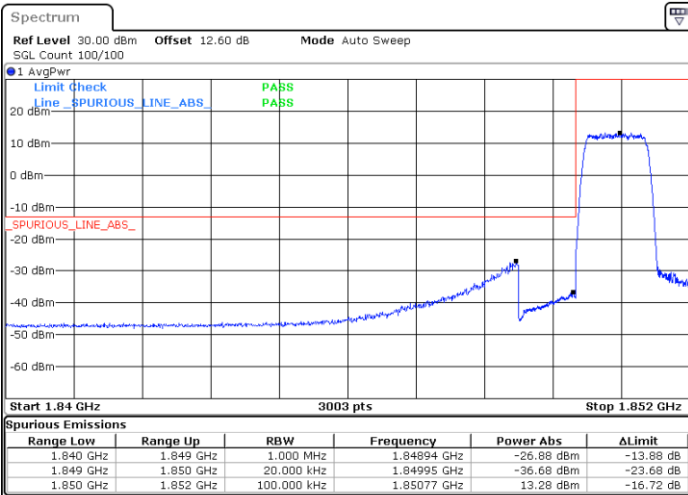
Date: 16. JUN. 2022 14:46:41



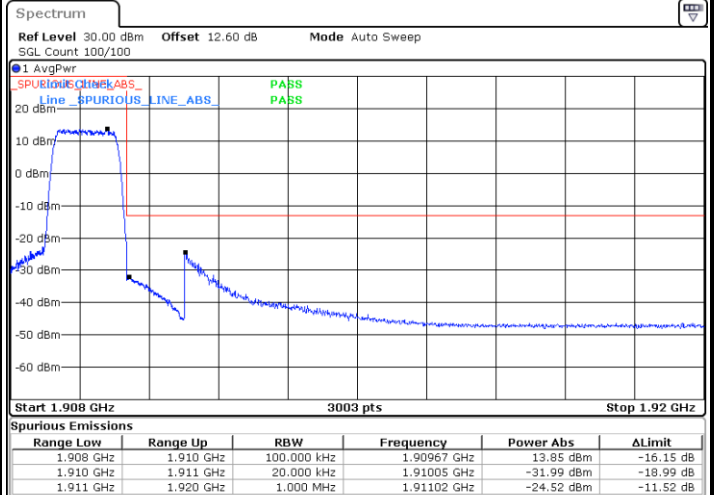
Date: 16. JUN. 2022 15:23:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16. JUN. 2022 14:53:11

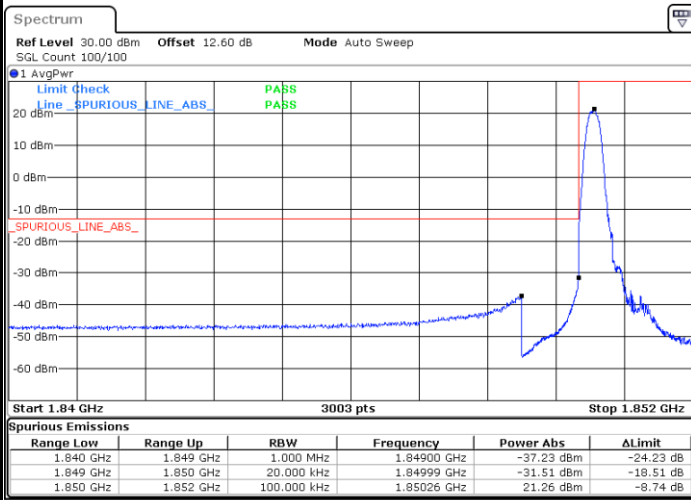


Date: 16. JUN. 2022 15:16:07



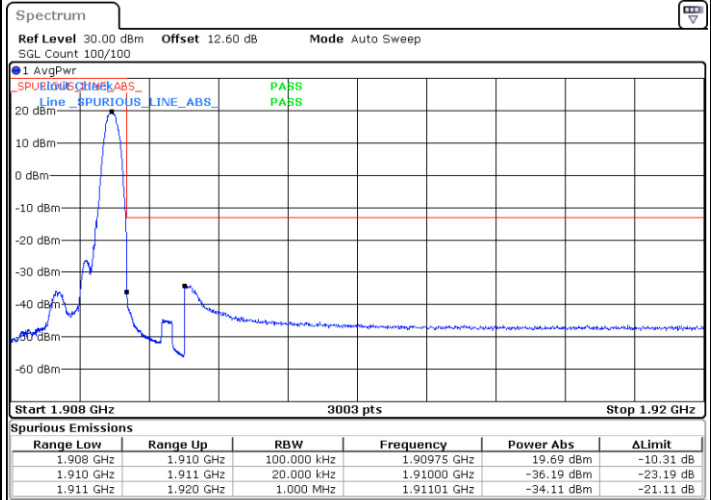
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



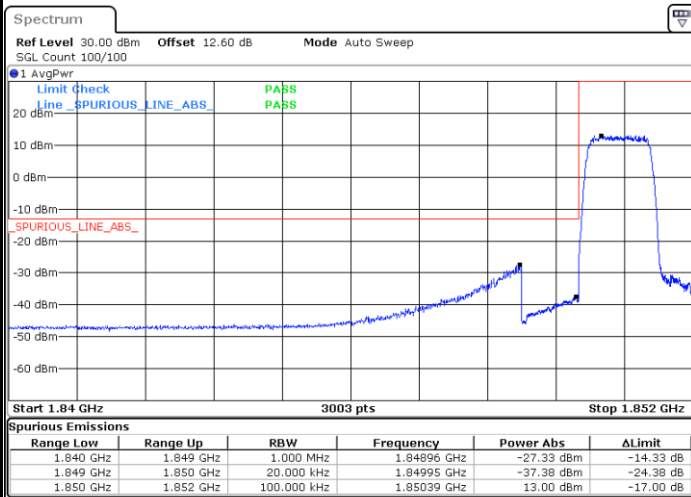
Date: 16. JUN. 2022 14:49:37

Highest Band Edge / 1 RB



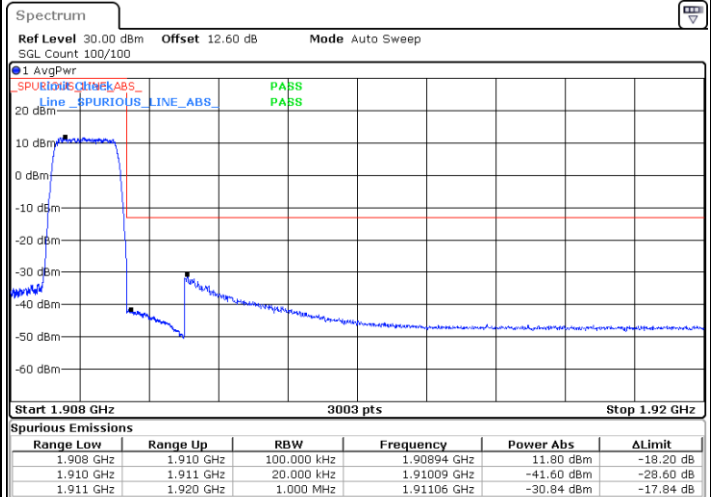
Date: 16. JUN. 2022 15:19:56

Lowest Band Edge / Full RB



Date: 16. JUN. 2022 14:51:17

Highest Band Edge / Full RB



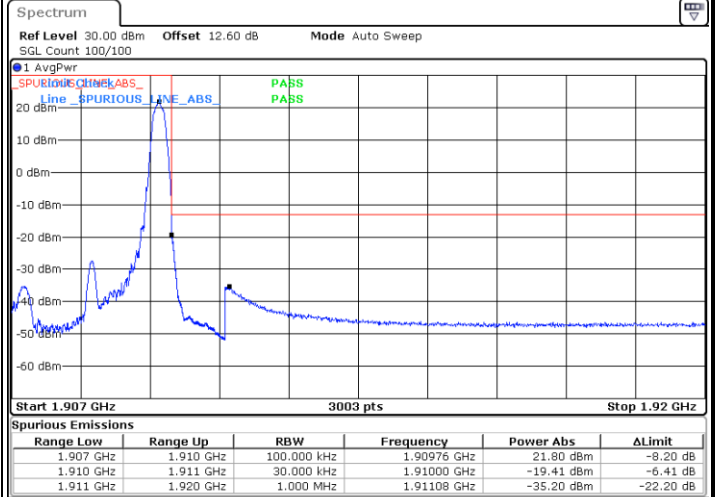
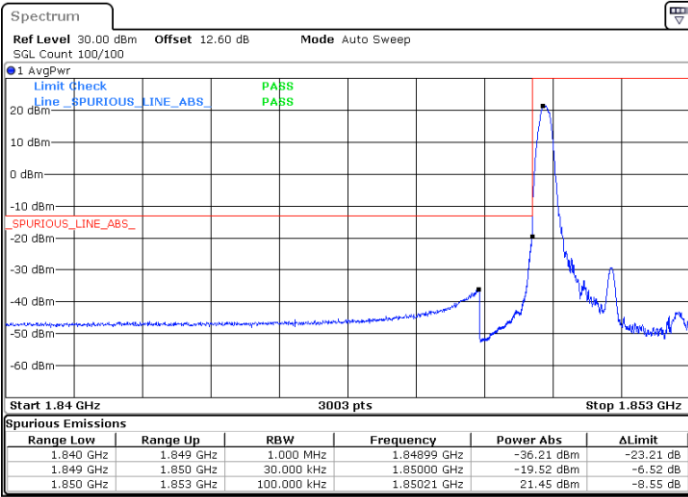
Date: 16. JUN. 2022 15:17:17



LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

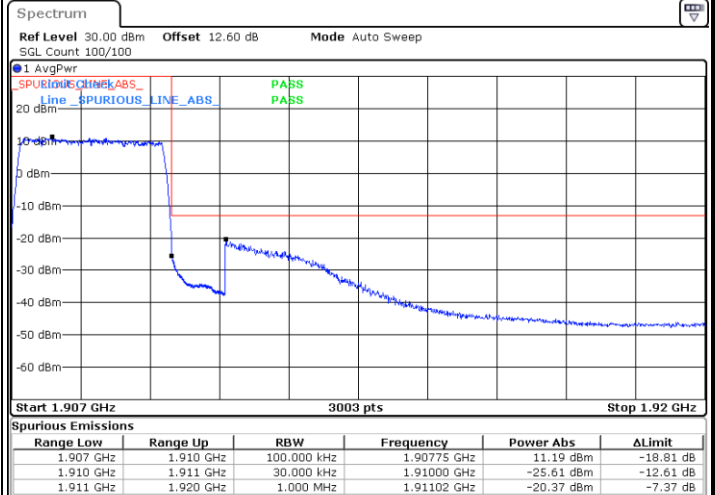
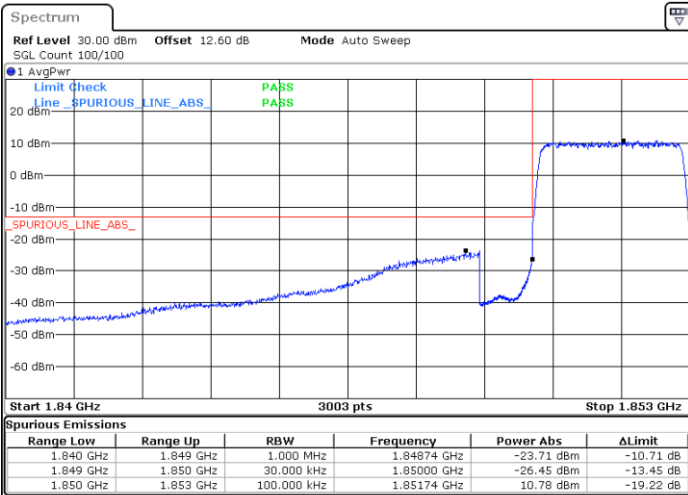


Date: 16. JUN. 2022 15:27:11

Date: 16. JUN. 2022 15:42:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



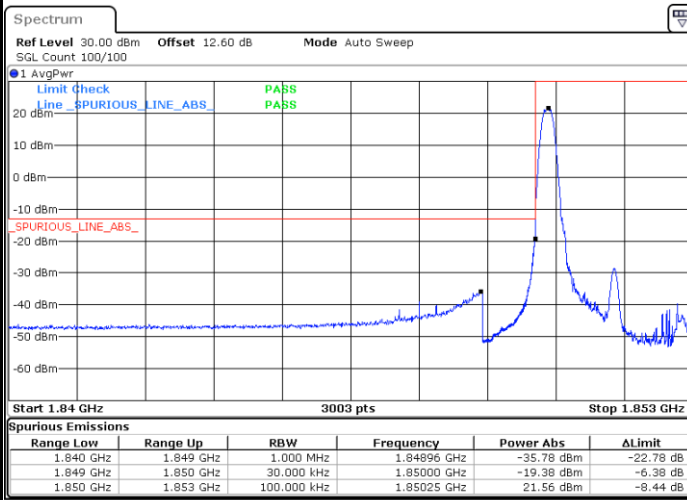
Date: 16. JUN. 2022 15:32:09

Date: 16. JUN. 2022 15:35:39



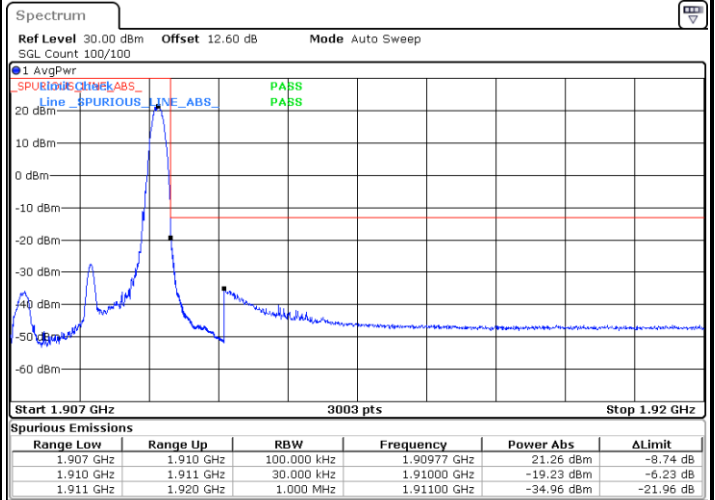
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



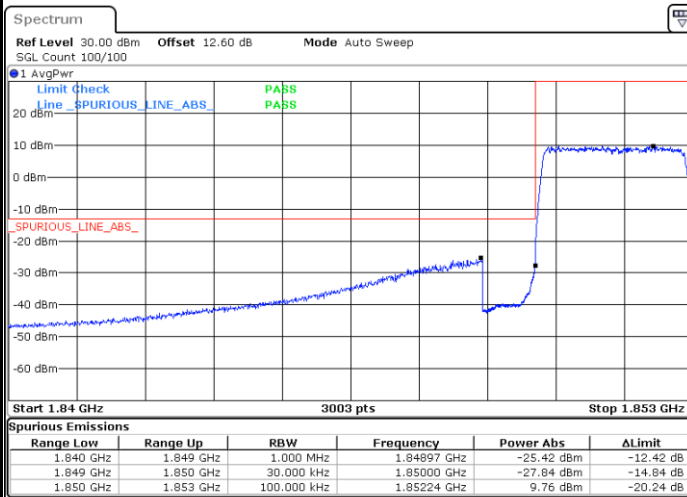
Date: 16. JUN. 2022 15:28:42

Highest Band Edge / 1 RB



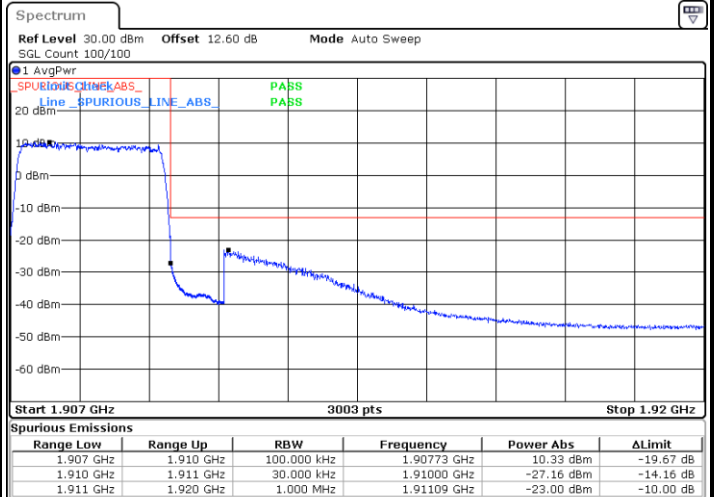
Date: 16. JUN. 2022 15:41:17

Lowest Band Edge / Full RB



Date: 16. JUN. 2022 15:31:03

Highest Band Edge / Full RB

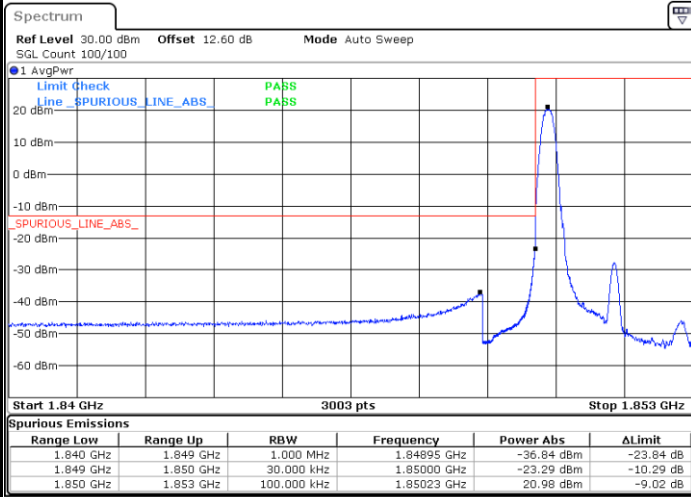


Date: 16. JUN. 2022 15:37:06



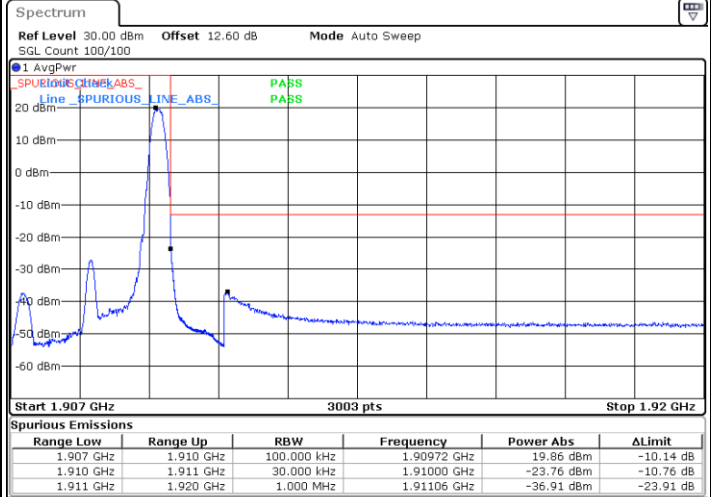
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



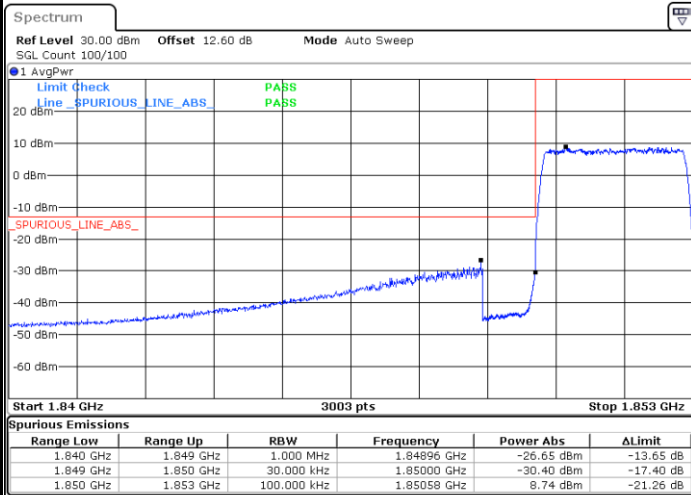
Date: 16. JUN. 2022 15:29:25

Highest Band Edge / 1 RB



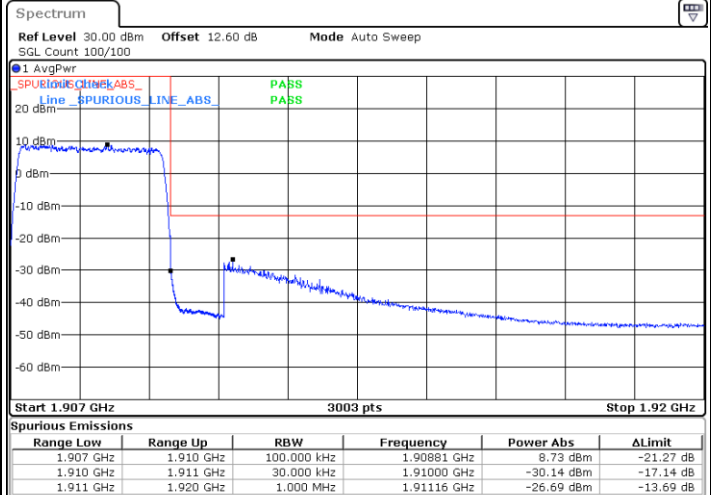
Date: 16. JUN. 2022 15:40:38

Lowest Band Edge / Full RB



Date: 16. JUN. 2022 15:30:20

Highest Band Edge / Full RB



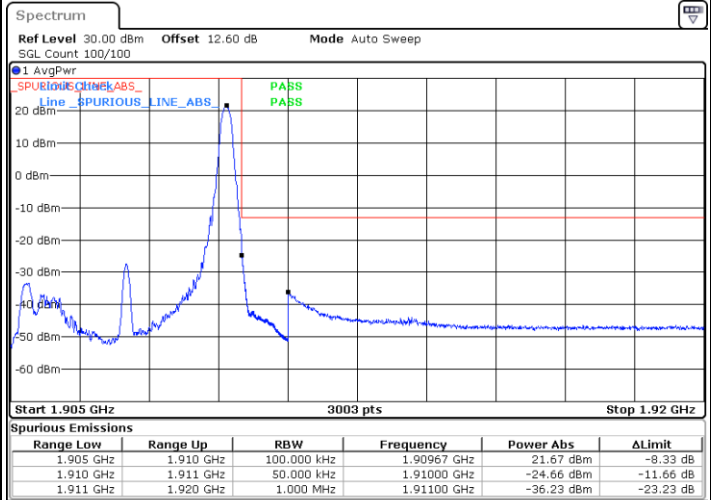
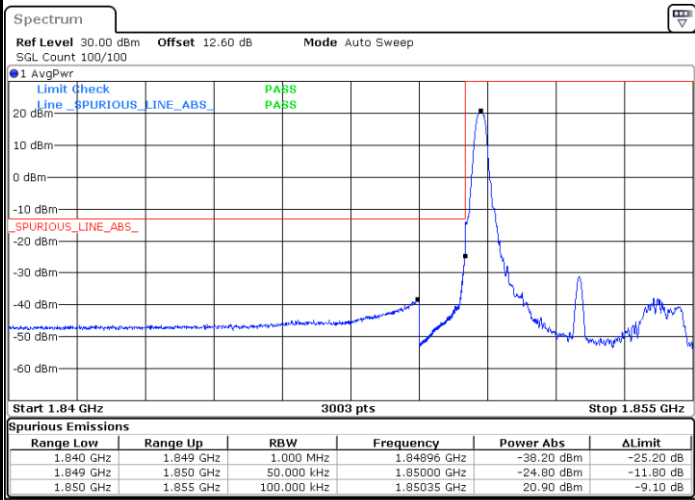
Date: 16. JUN. 2022 15:39:04



LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

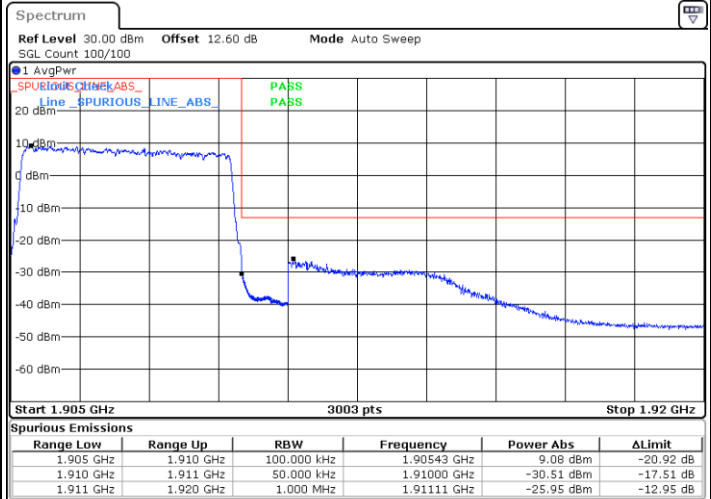
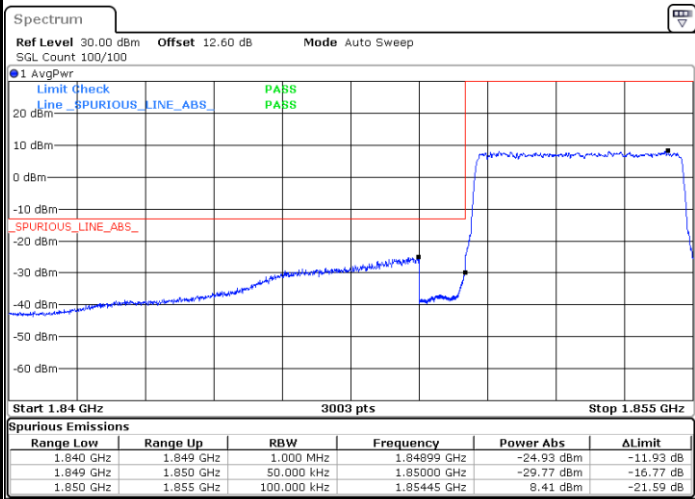


Date: 16. JUN. 2022 15:51:08

Date: 16. JUN. 2022 15:58:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



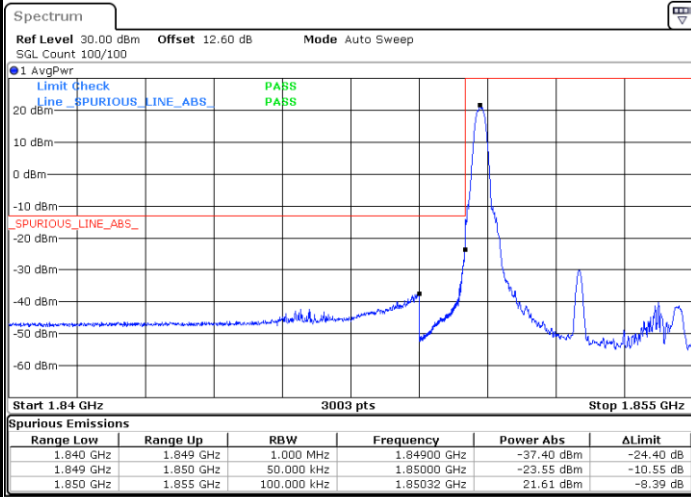
Date: 16. JUN. 2022 15:53:28

Date: 16. JUN. 2022 15:56:13



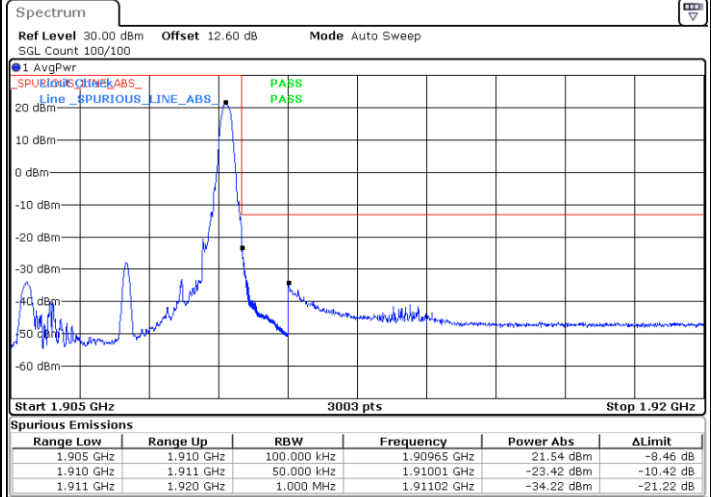
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



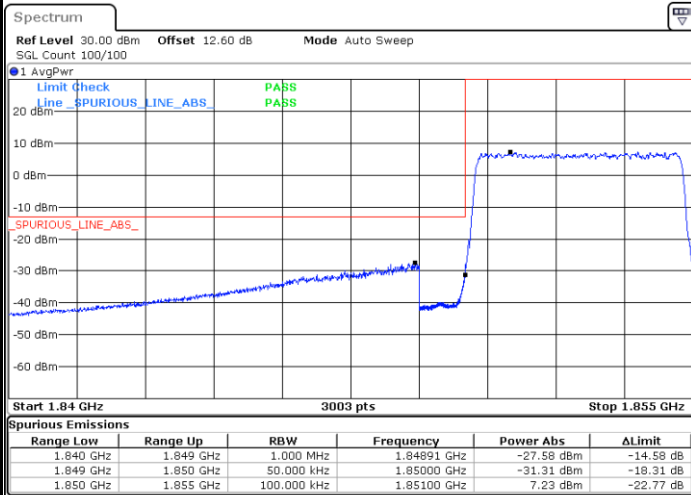
Date: 16. JUN. 2022 15:51:27

Highest Band Edge / 1 RB



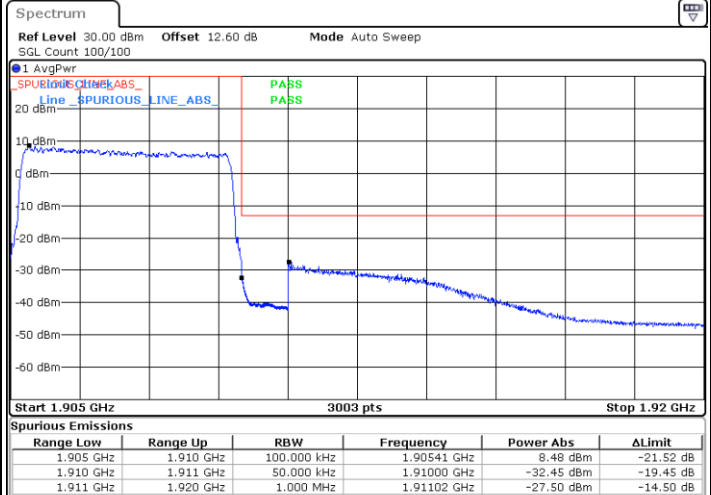
Date: 16. JUN. 2022 15:57:54

Lowest Band Edge / Full RB



Date: 16. JUN. 2022 15:53:09

Highest Band Edge / Full RB

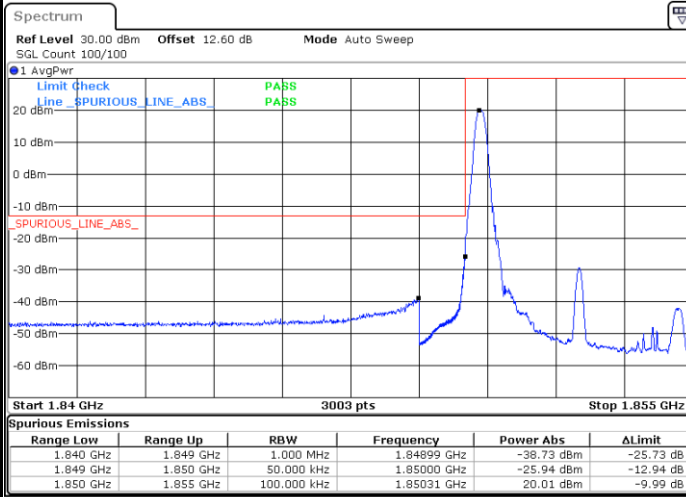


Date: 16. JUN. 2022 15:56:32



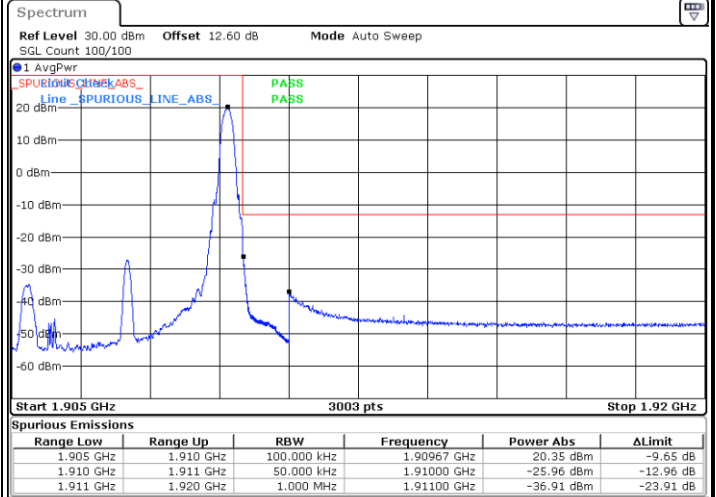
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



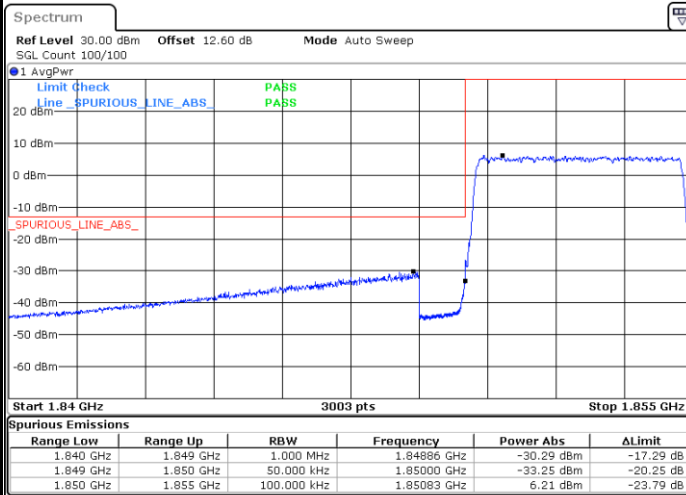
Date: 16. JUN. 2022 15:51:46

Highest Band Edge / 1 RB



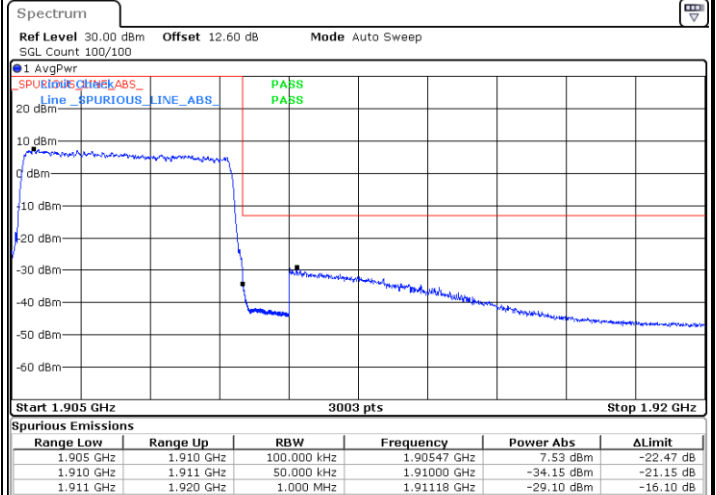
Date: 16. JUN. 2022 15:57:33

Lowest Band Edge / Full RB



Date: 16. JUN. 2022 15:52:15

Highest Band Edge / Full RB



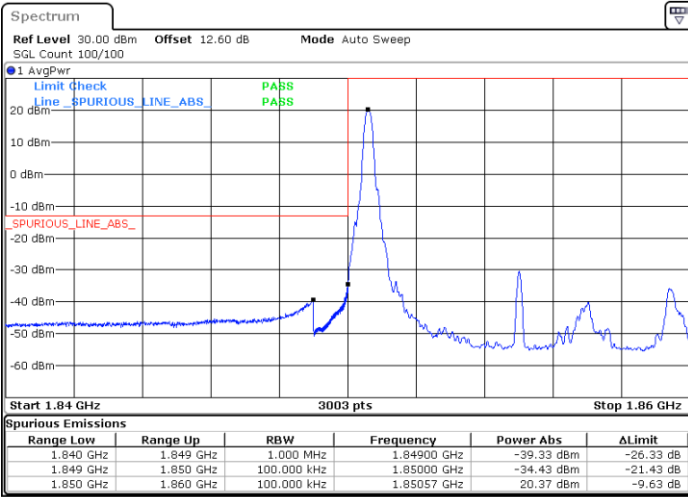
Date: 16. JUN. 2022 15:57:02



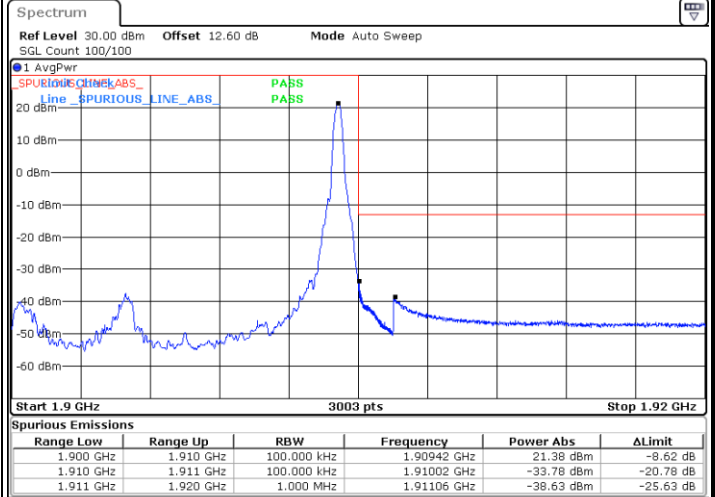
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



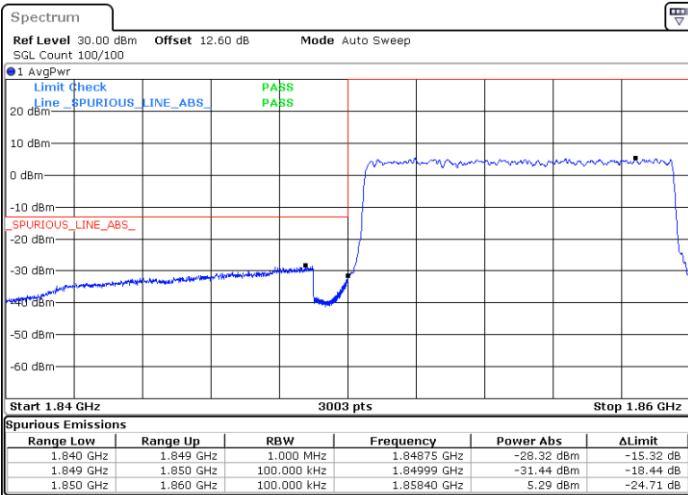
Date: 16. JUN. 2022 16:05:42



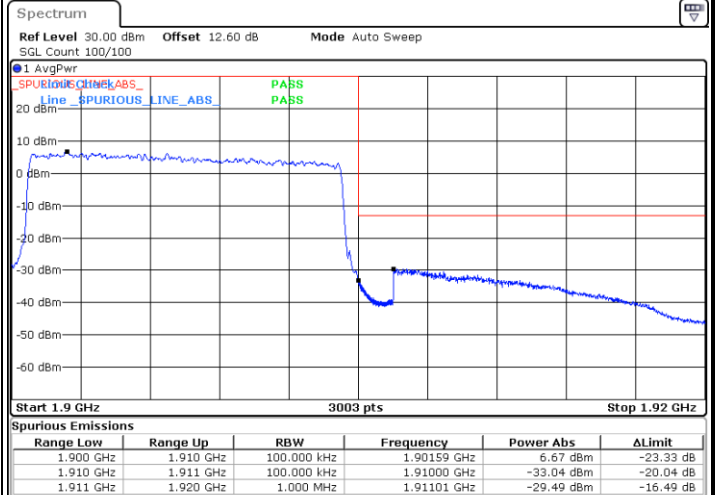
Date: 16. JUN. 2022 16:11:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16. JUN. 2022 16:07:35

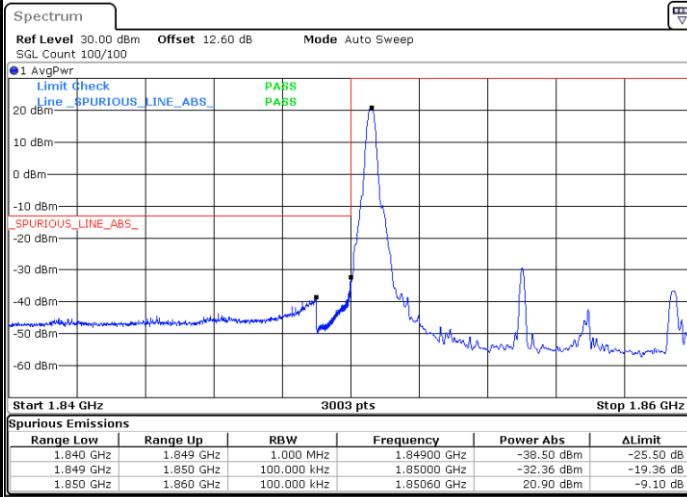


Date: 16. JUN. 2022 16:09:39



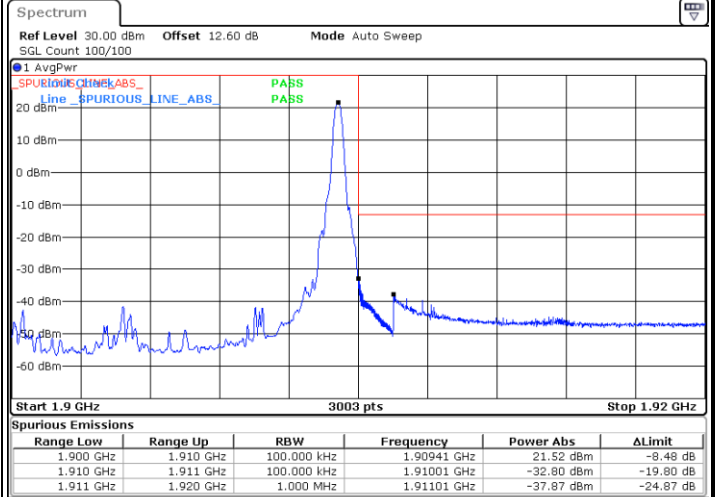
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



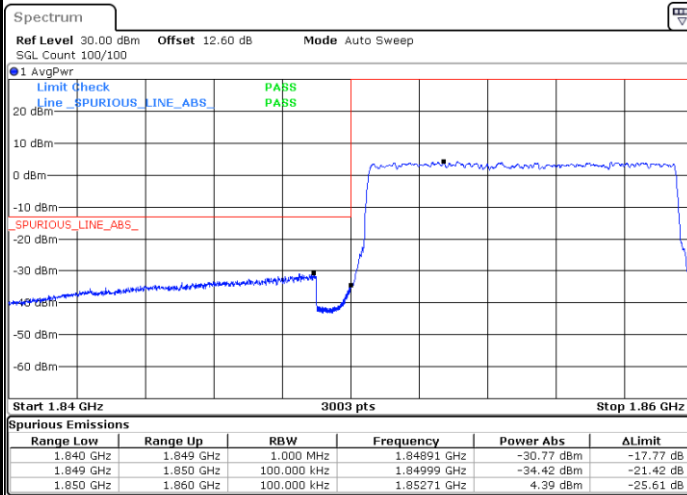
Date: 16.JUN.2022 16:06:00

Highest Band Edge / 1 RB



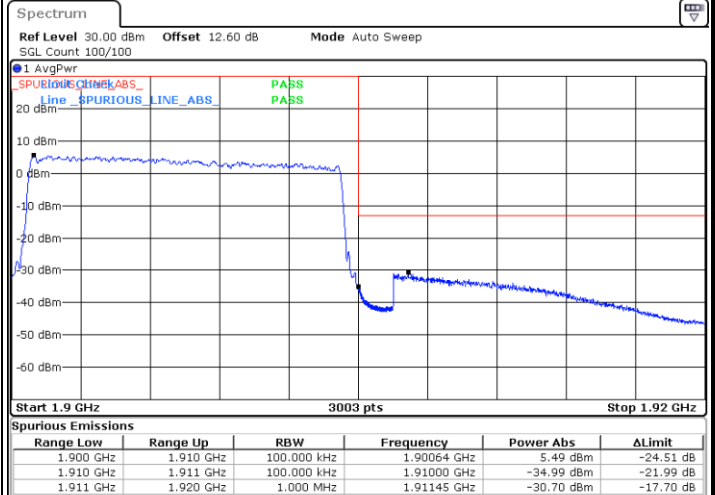
Date: 16.JUN.2022 16:10:47

Lowest Band Edge / Full RB



Date: 16.JUN.2022 16:07:21

Highest Band Edge / Full RB

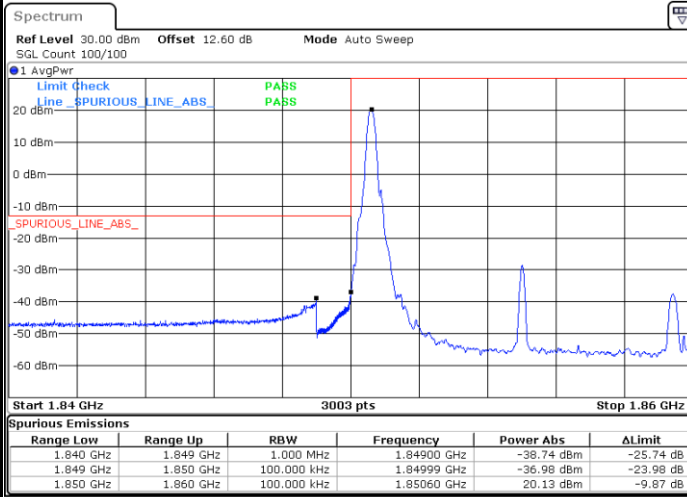


Date: 16.JUN.2022 16:09:56



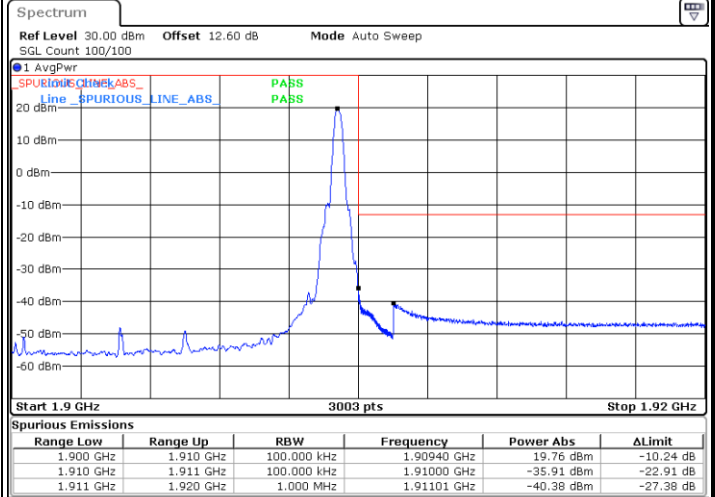
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



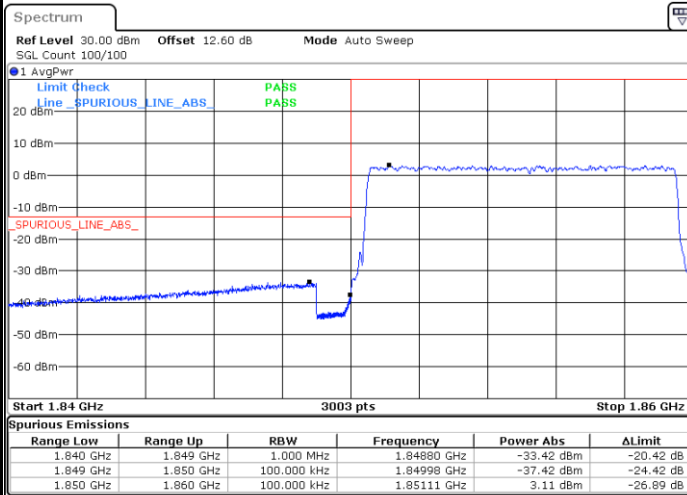
Date: 16. JUN. 2022 16:06:15

Highest Band Edge / 1 RB



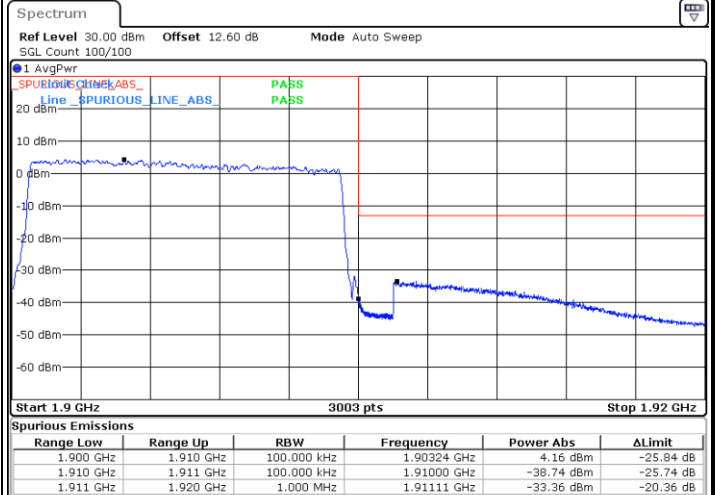
Date: 16. JUN. 2022 16:10:34

Lowest Band Edge / Full RB



Date: 16. JUN. 2022 16:07:05

Highest Band Edge / Full RB

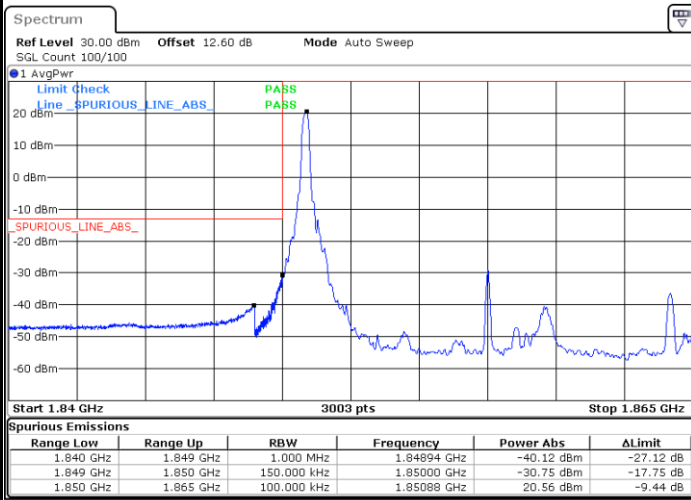


Date: 16. JUN. 2022 16:10:10



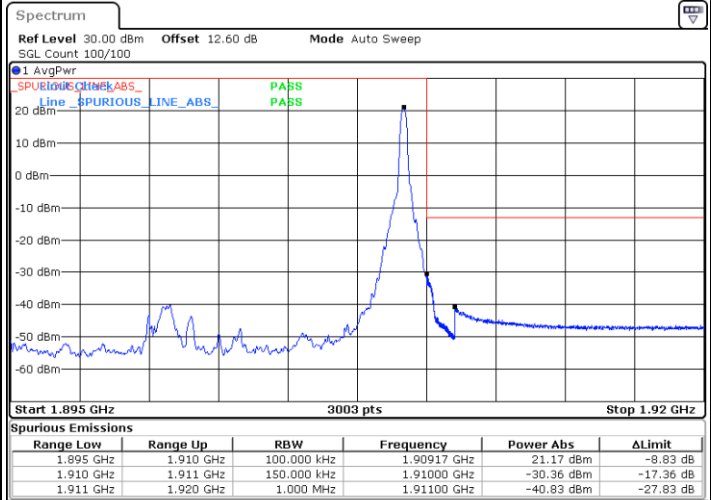
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



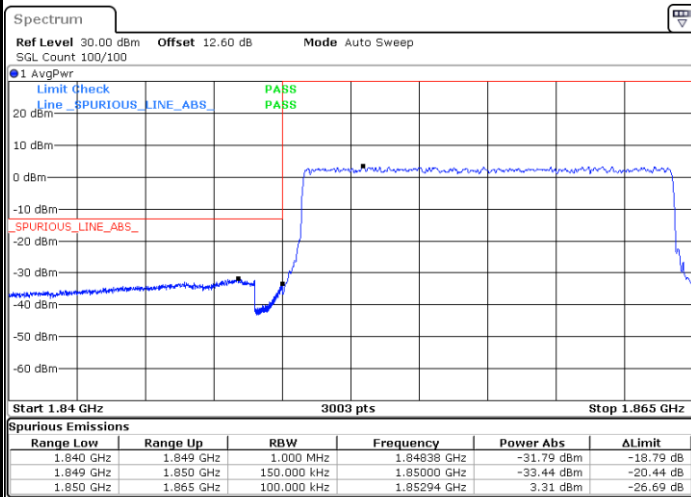
Date: 16. JUN. 2022 16:15:51

Highest Band Edge / 1 RB



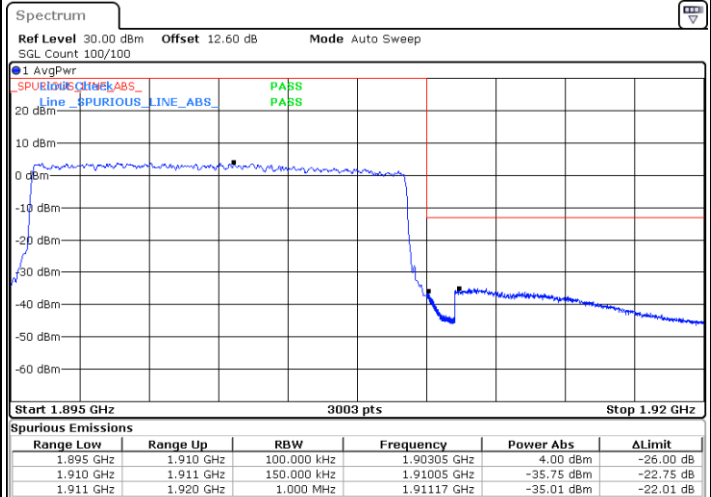
Date: 16. JUN. 2022 16:20:53

Lowest Band Edge / Full RB



Date: 16. JUN. 2022 16:17:16

Highest Band Edge / Full RB

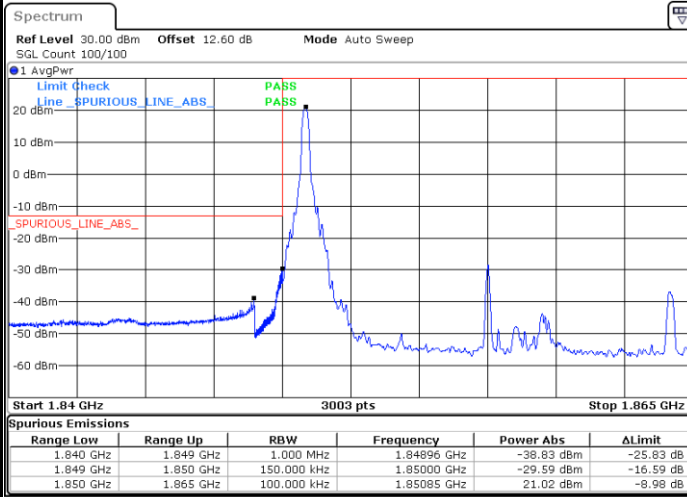


Date: 16. JUN. 2022 16:19:15



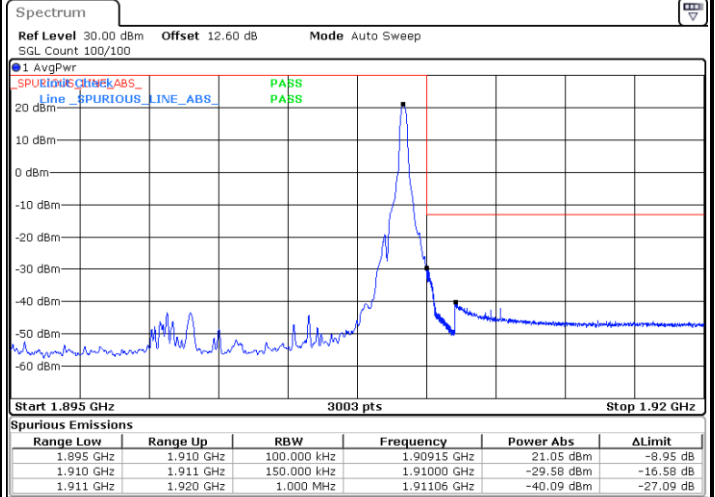
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



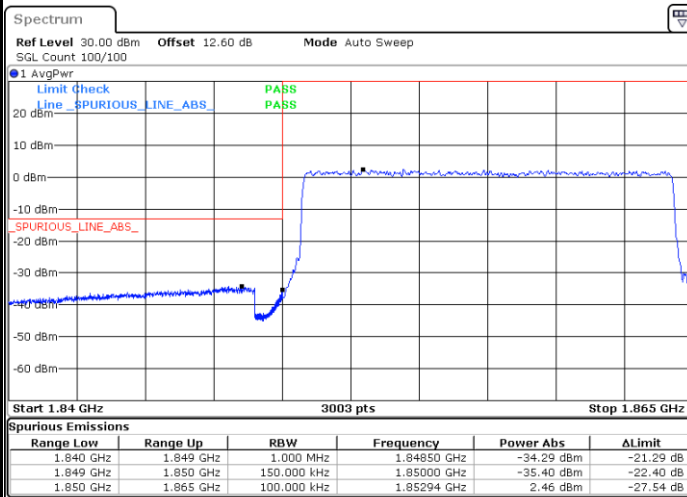
Date: 16. JUN. 2022 16:16:10

Highest Band Edge / 1 RB



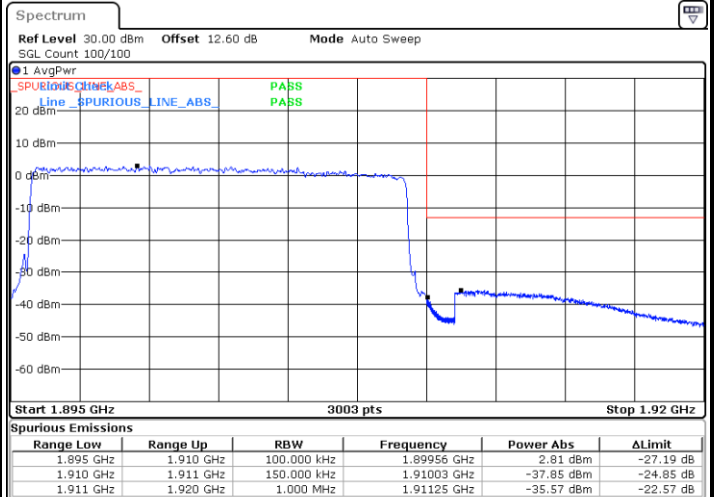
Date: 16. JUN. 2022 16:20:32

Lowest Band Edge / Full RB



Date: 16. JUN. 2022 16:17:03

Highest Band Edge / Full RB

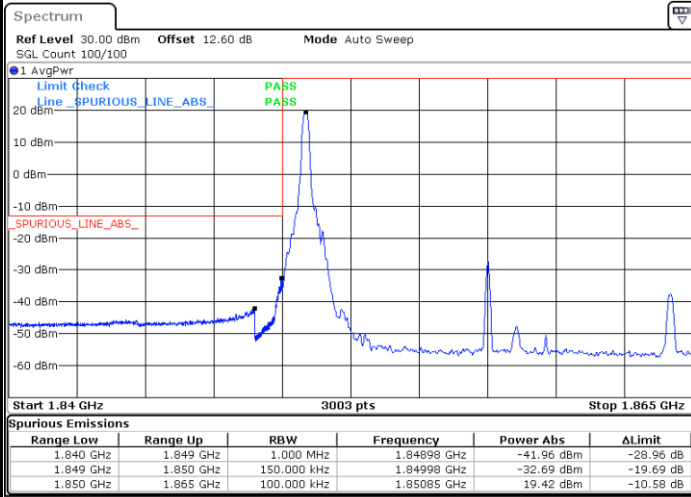


Date: 16. JUN. 2022 16:19:27



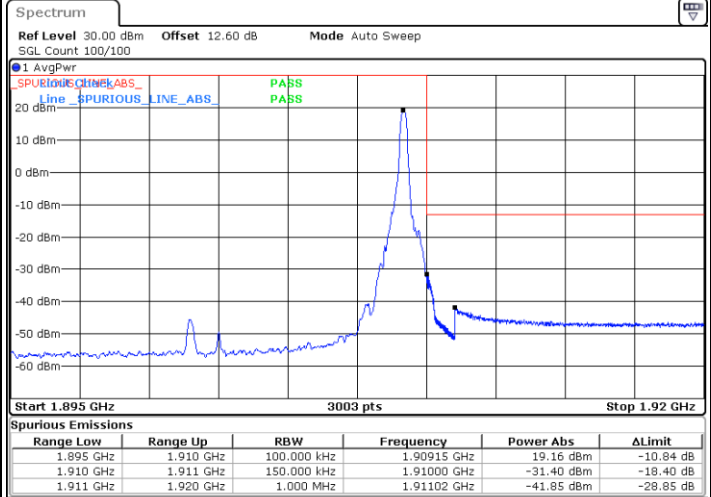
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



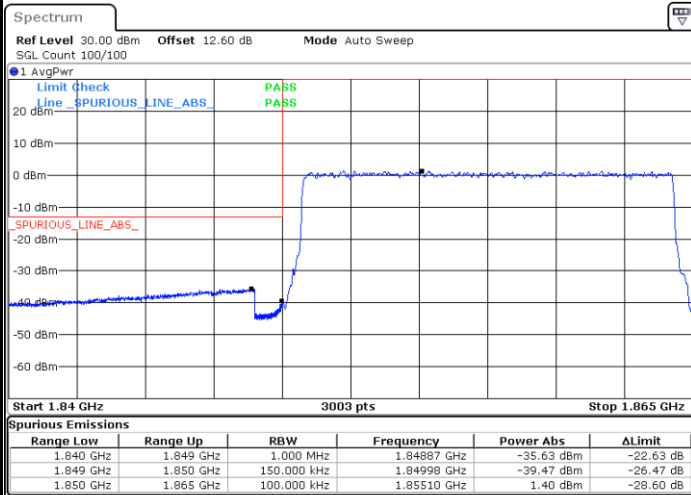
Date: 16.JUN.2022 16:16:29

Highest Band Edge / 1 RB



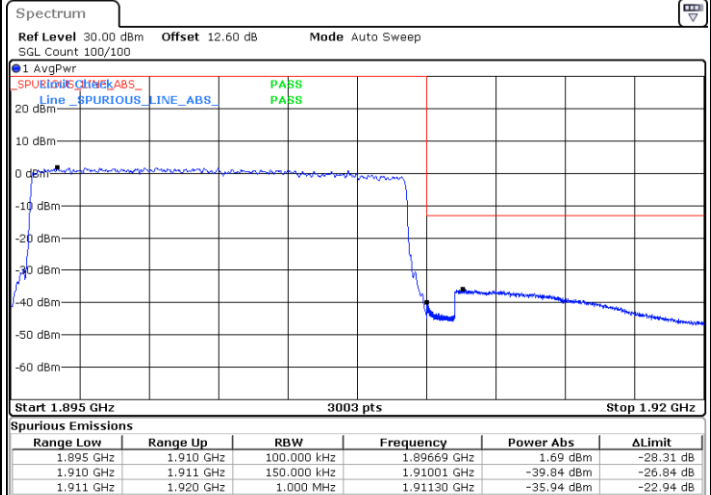
Date: 16.JUN.2022 16:20:12

Lowest Band Edge / Full RB



Date: 16.JUN.2022 16:16:53

Highest Band Edge / Full RB



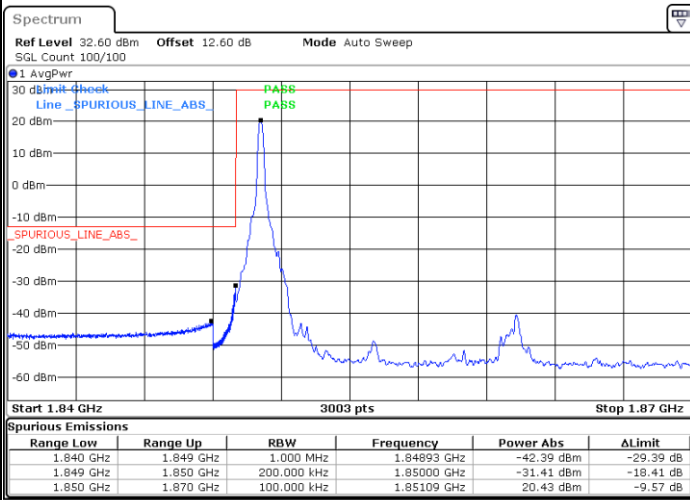
Date: 16.JUN.2022 16:19:46



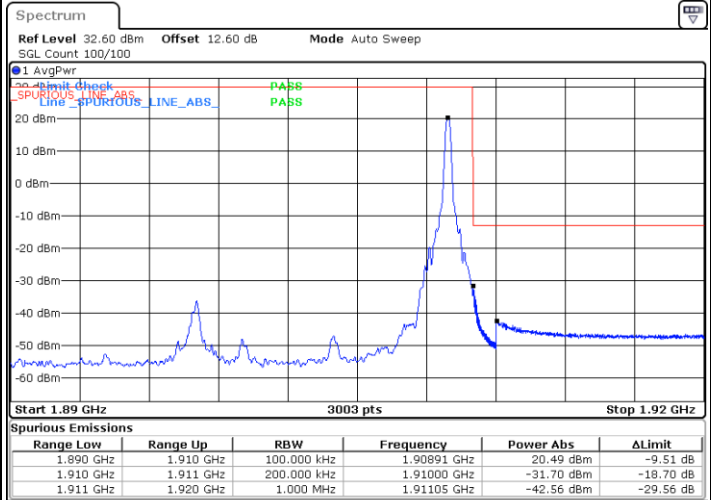
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



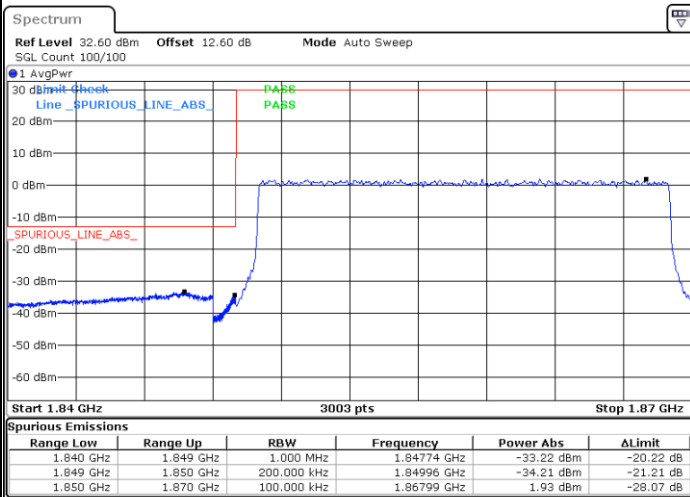
Date: 16. JUN. 2022 16:26:57



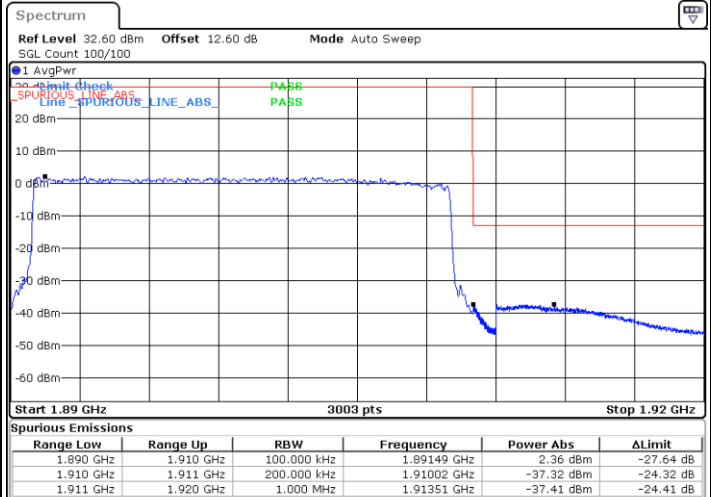
Date: 16. JUN. 2022 16:32:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16. JUN. 2022 16:28:44



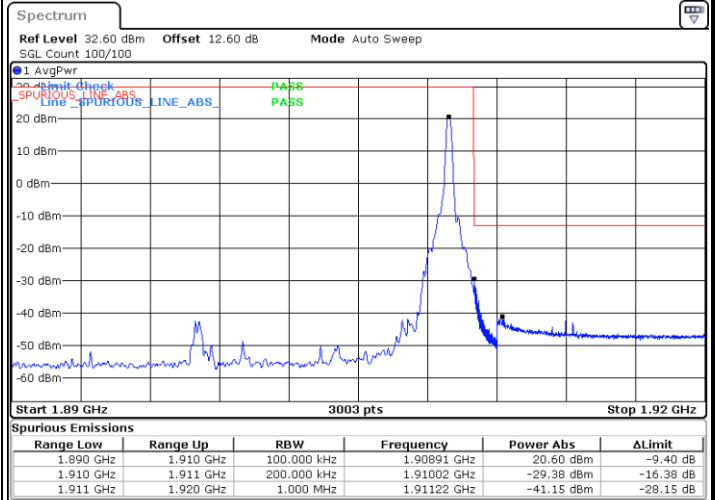
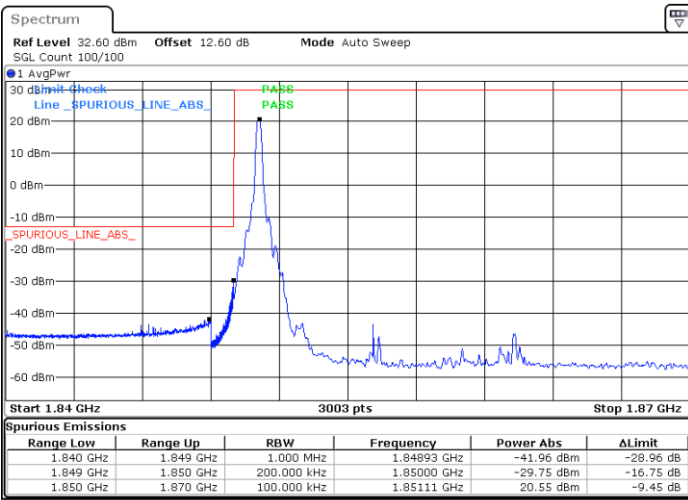
Date: 16. JUN. 2022 16:31:30



LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

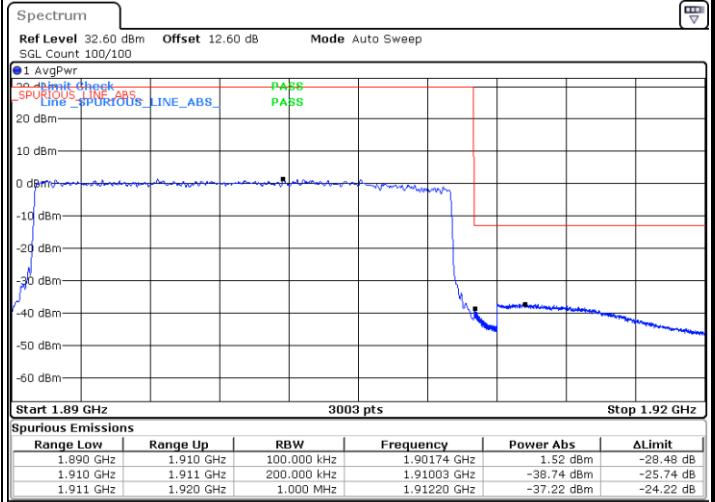
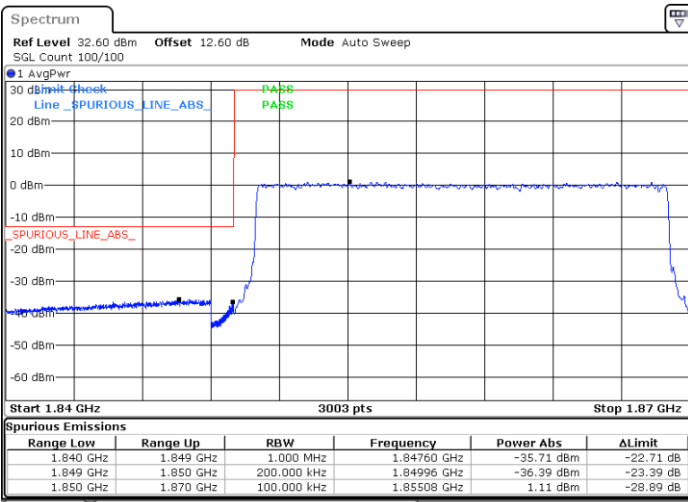


Date: 16. JUN. 2022 16:27:23

Date: 16. JUN. 2022 16:32:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



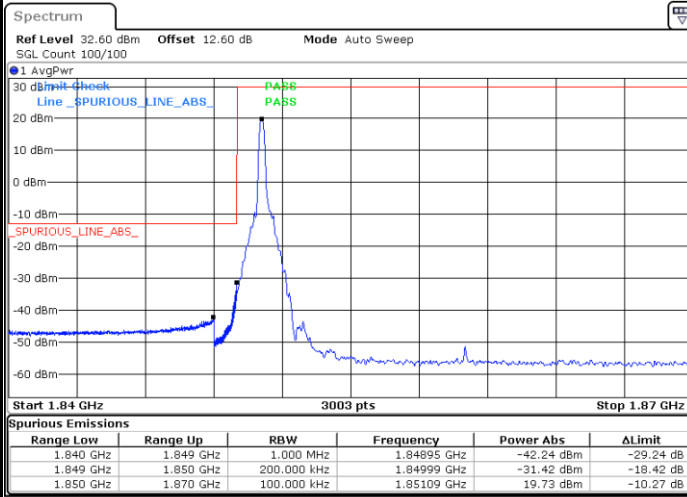
Date: 16. JUN. 2022 16:28:30

Date: 16. JUN. 2022 16:31:42



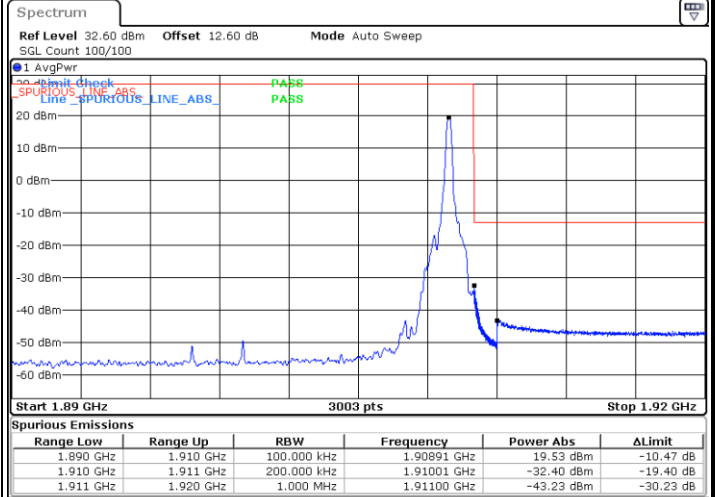
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



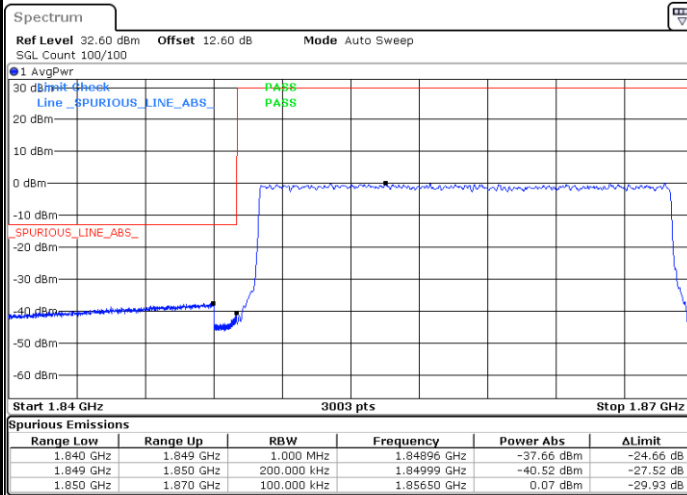
Date: 16. JUN. 2022 16:27:41

Highest Band Edge / 1 RB



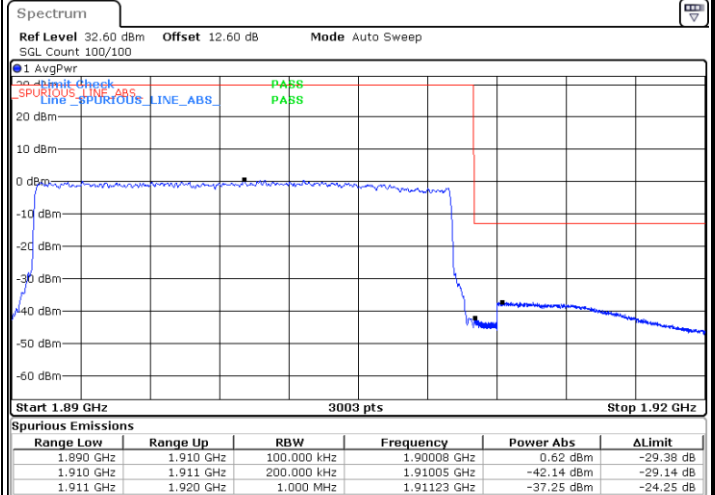
Date: 16. JUN. 2022 16:32:16

Lowest Band Edge / Full RB



Date: 16. JUN. 2022 16:28:18

Highest Band Edge / Full RB



Date: 16. JUN. 2022 16:31:56

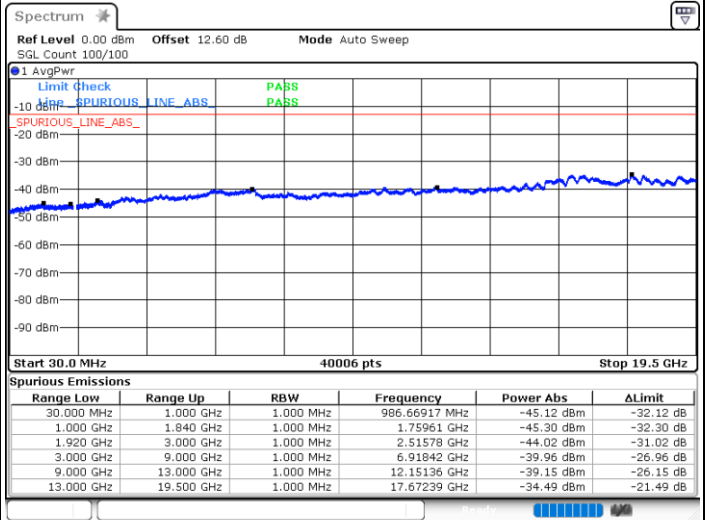
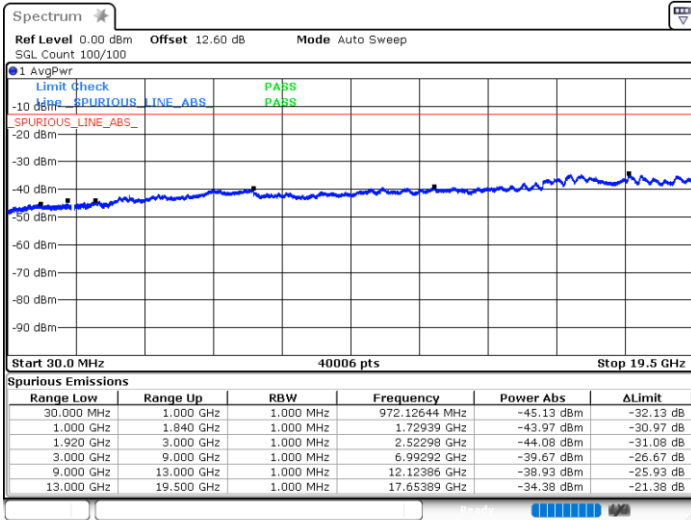


Conducted Spurious Emission

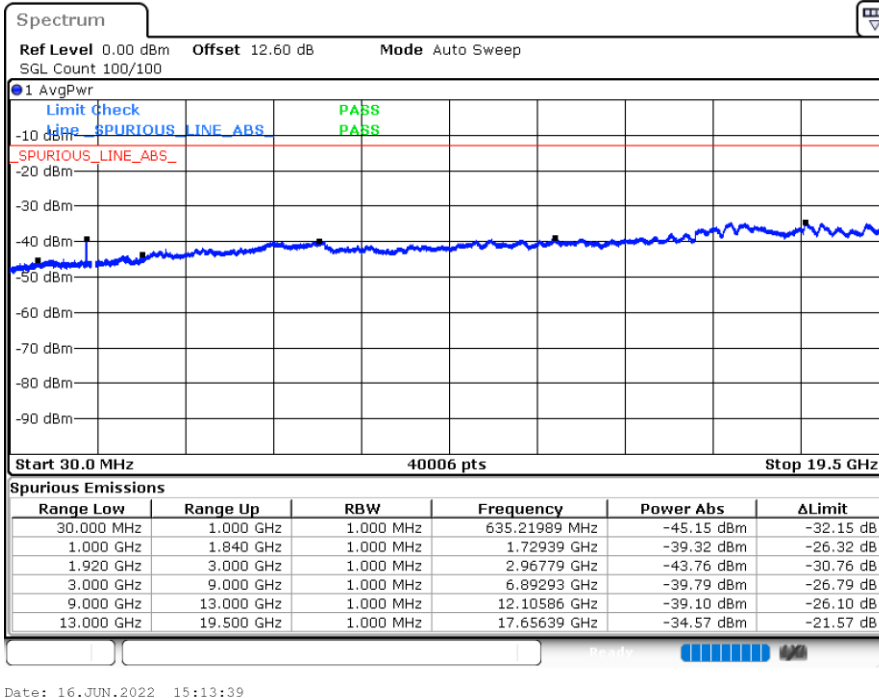
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Middle Channel / QPSK



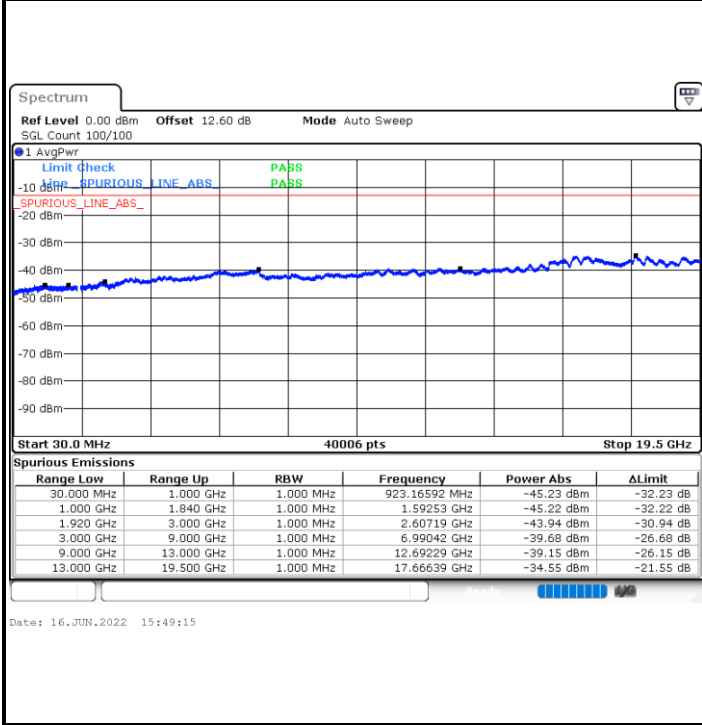
Highest Channel / QPSK



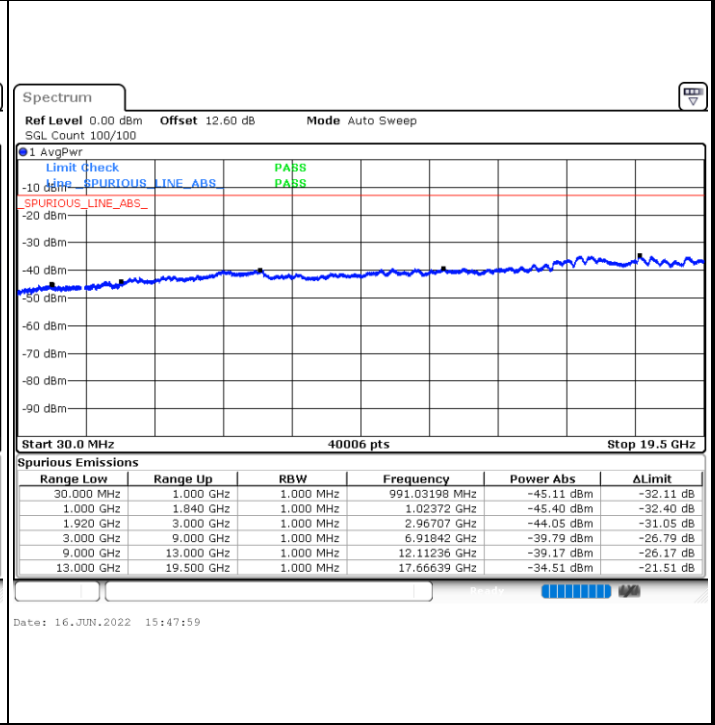


LTE Band 2 / 3MHz

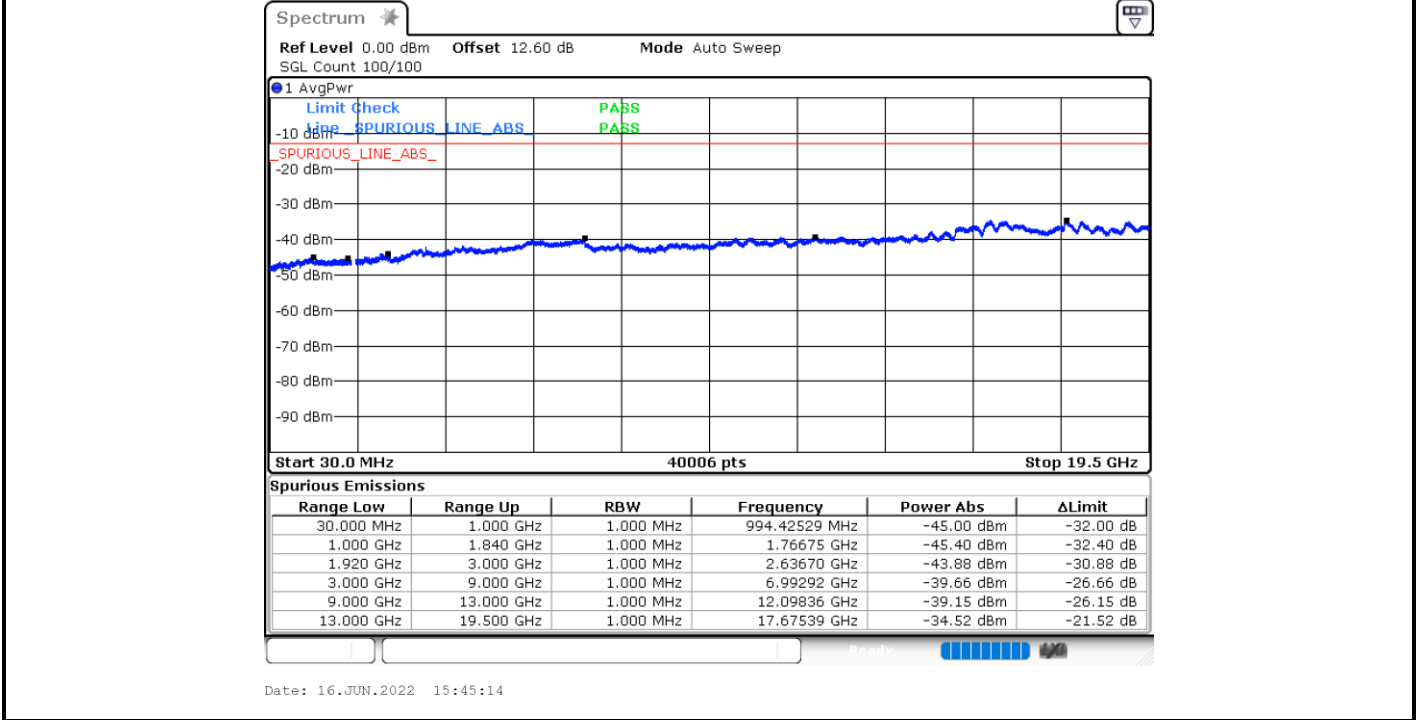
Lowest Channel / QPSK



Middle Channel / QPSK



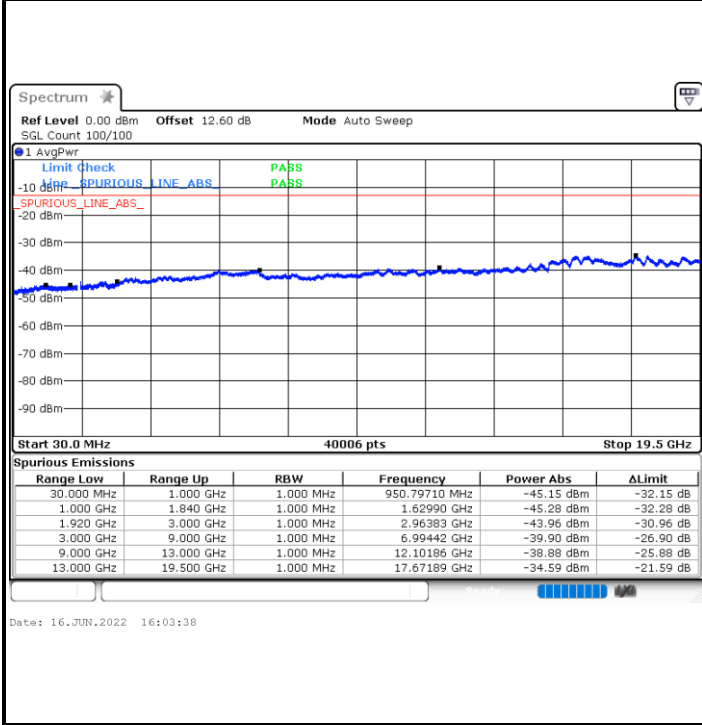
Highest Channel / QPSK



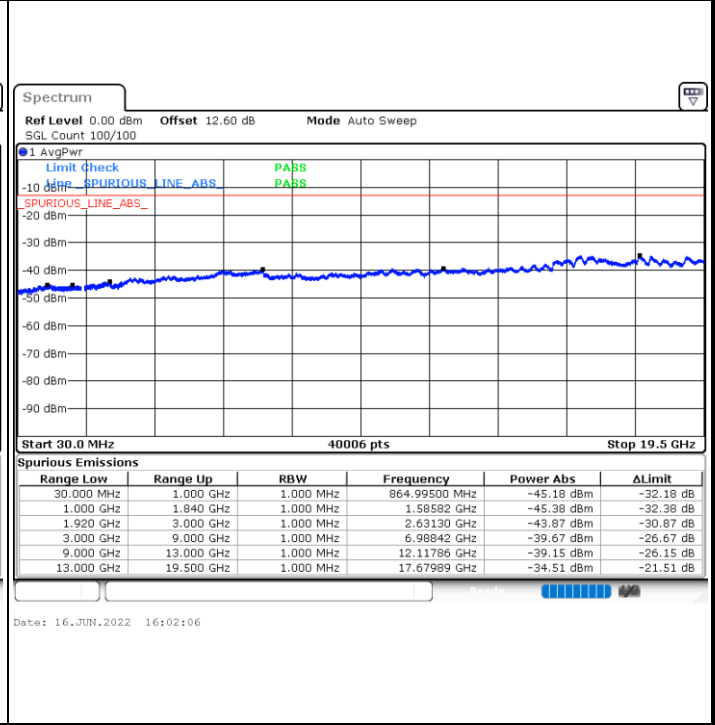


LTE Band 2 / 5MHz

Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

