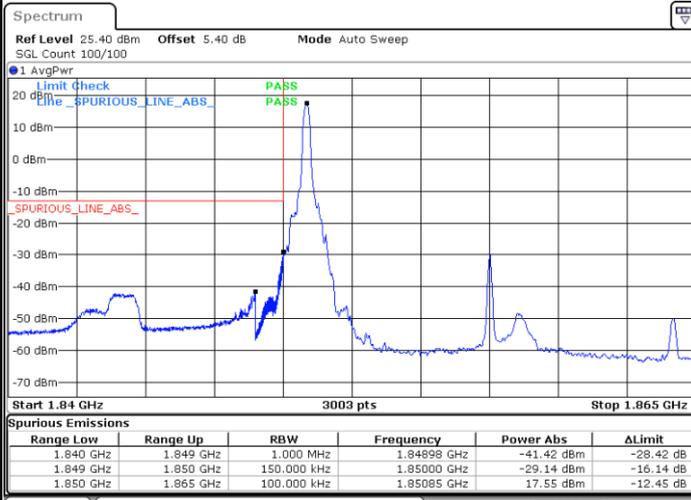




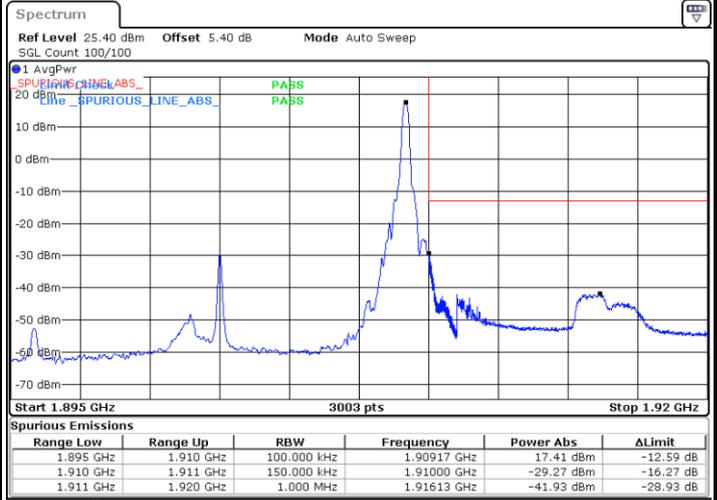
LTE Band 2 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



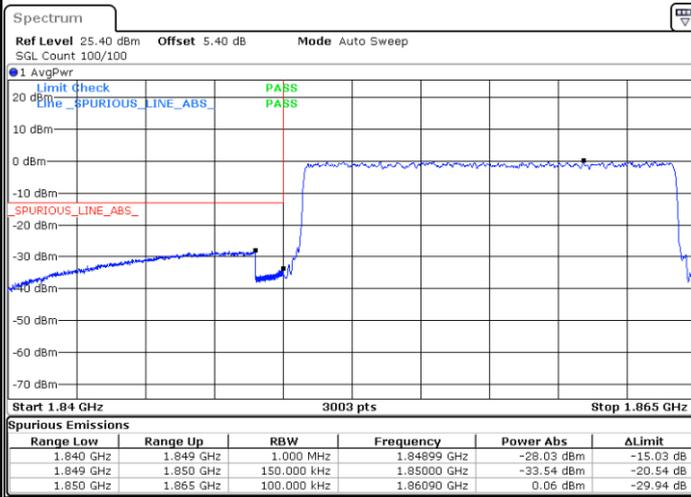
Date: 2.NOV.2022 22:44:07

Highest Band Edge / 1 RB



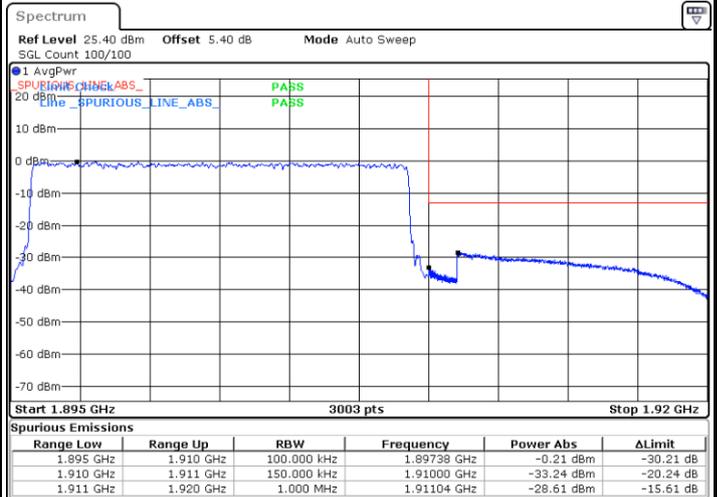
Date: 2.NOV.2022 22:57:23

Lowest Band Edge / Full RB



Date: 2.NOV.2022 22:48:48

Highest Band Edge / Full RB



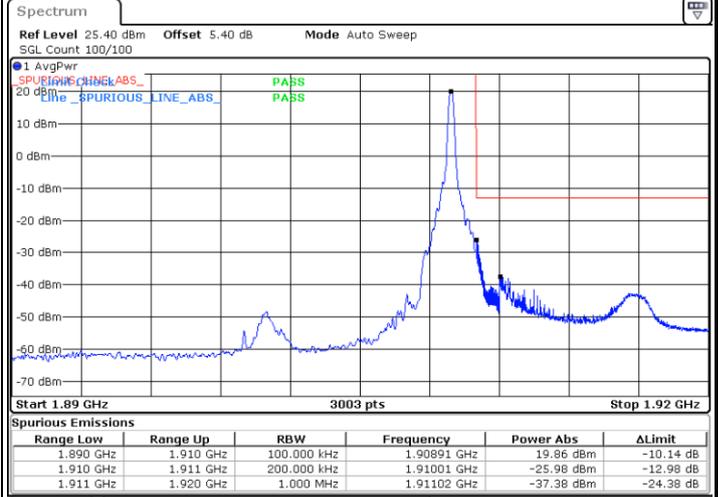
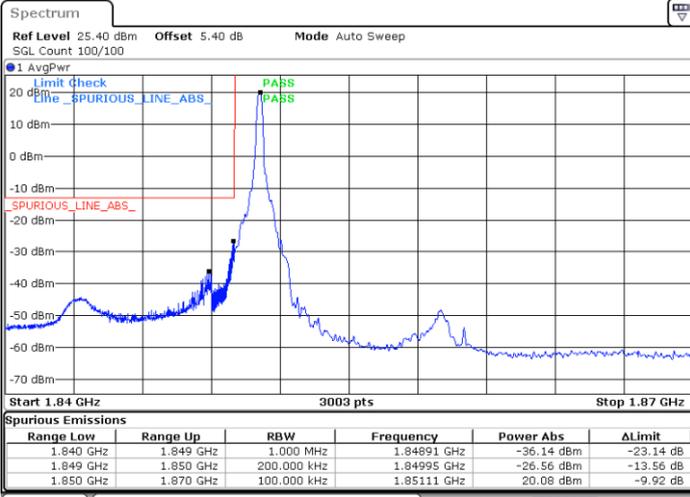
Date: 2.NOV.2022 23:02:04



LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

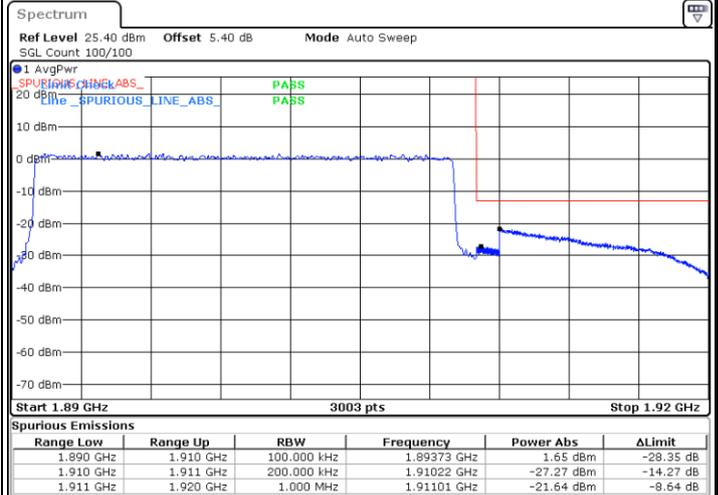
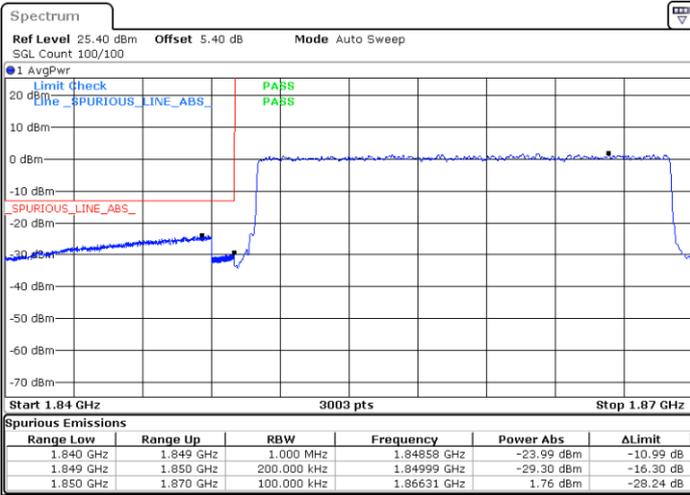


Date: 2.NOV.2022 23:05:02

Date: 2.NOV.2022 23:17:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



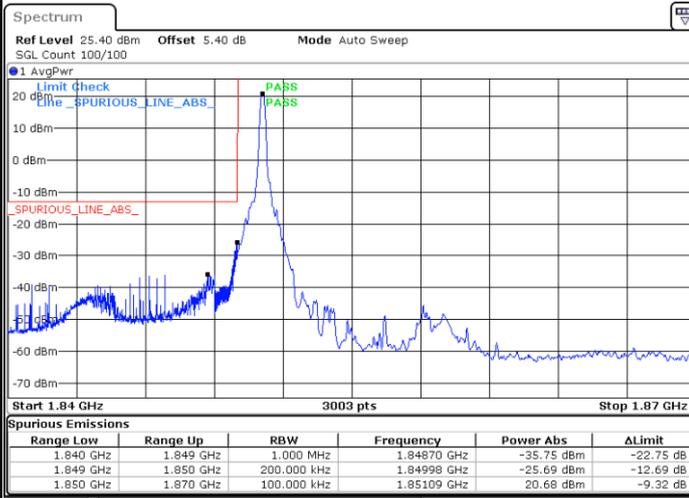
Date: 2.NOV.2022 23:09:45

Date: 2.NOV.2022 23:21:59



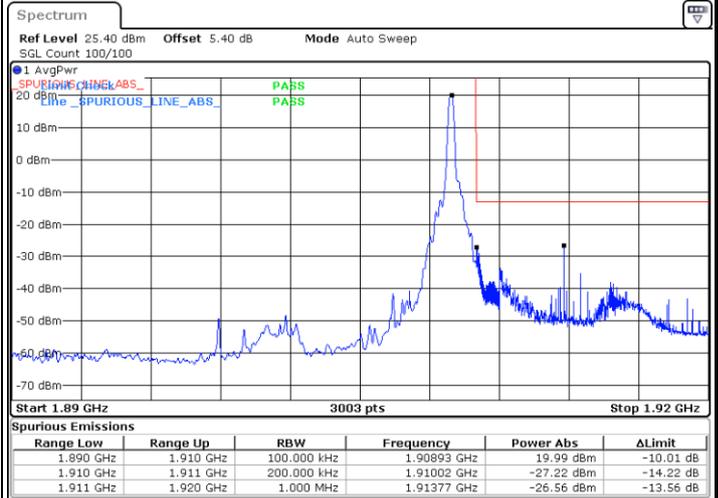
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



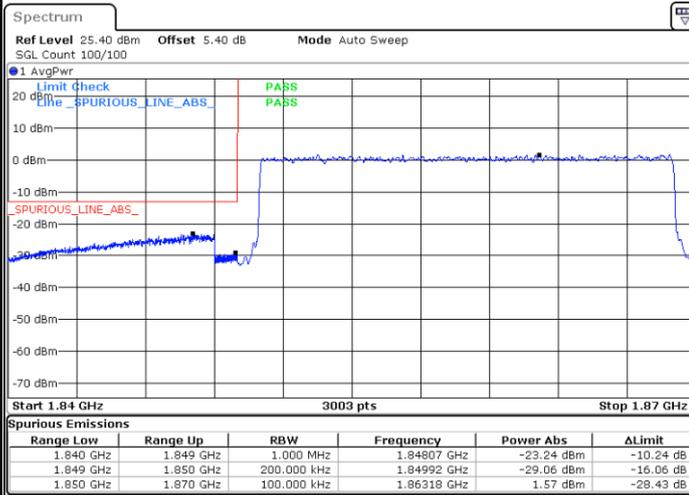
Date: 2.NOV.2022 23:06:12

Highest Band Edge / 1 RB



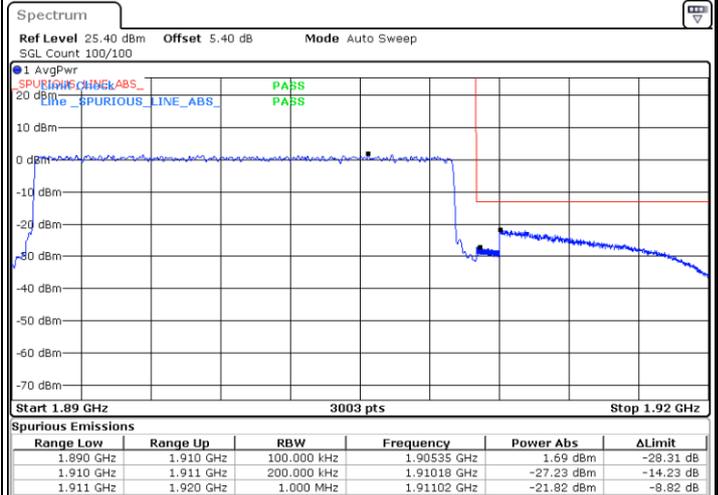
Date: 2.NOV.2022 23:18:25

Lowest Band Edge / Full RB



Date: 2.NOV.2022 23:10:56

Highest Band Edge / Full RB

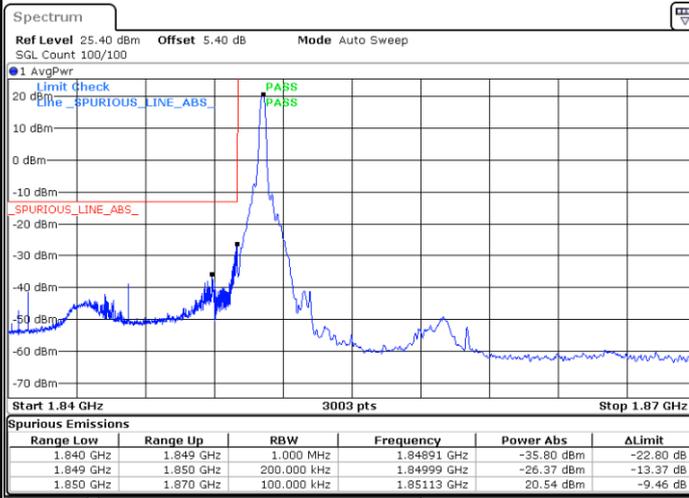


Date: 2.NOV.2022 23:23:09



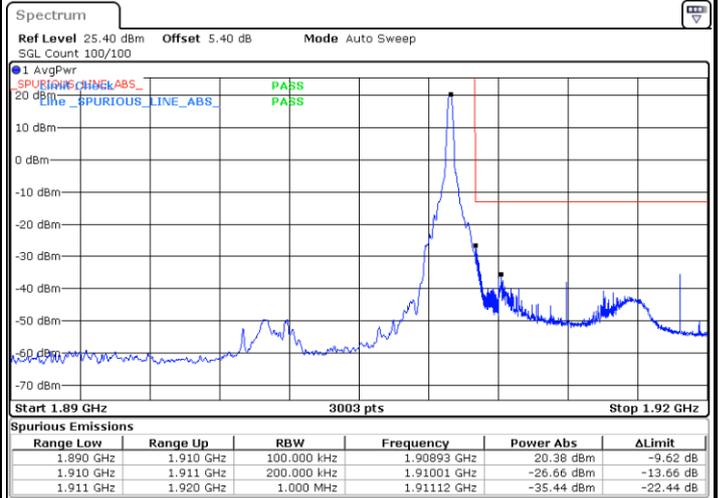
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



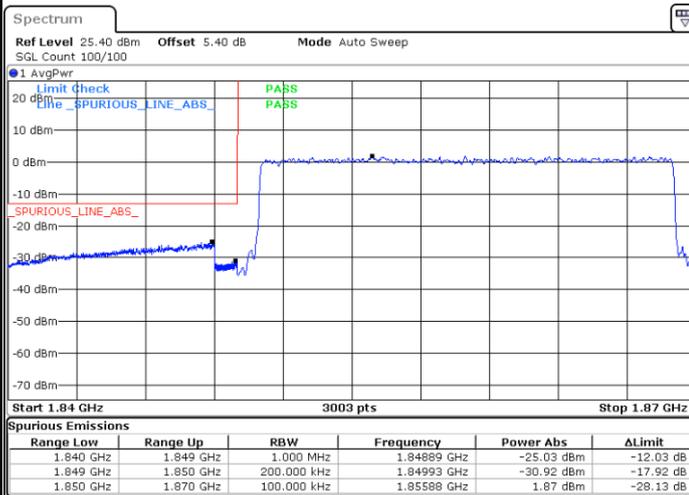
Date: 2.NOV.2022 23:07:22

Highest Band Edge / 1 RB



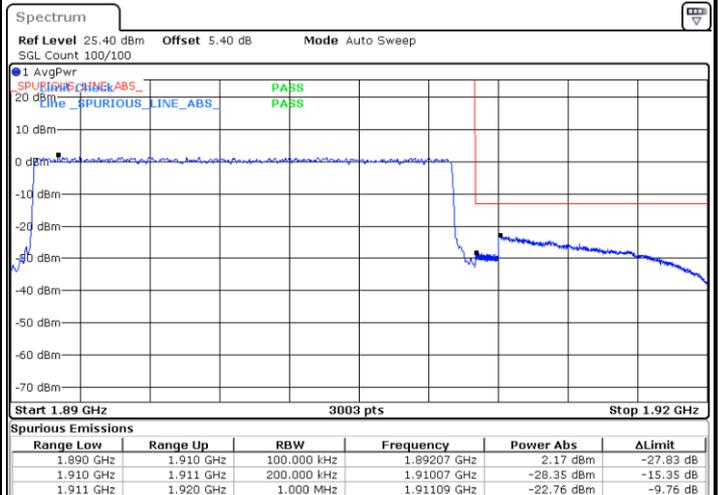
Date: 2.NOV.2022 23:19:36

Lowest Band Edge / Full RB



Date: 2.NOV.2022 23:12:06

Highest Band Edge / Full RB

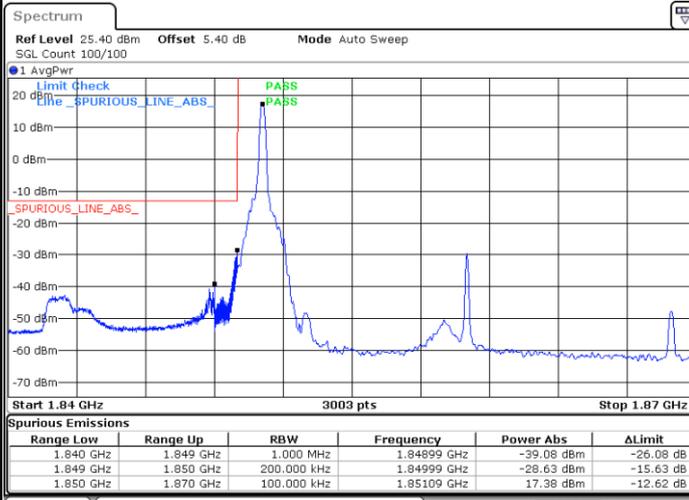


Date: 2.NOV.2022 23:24:19



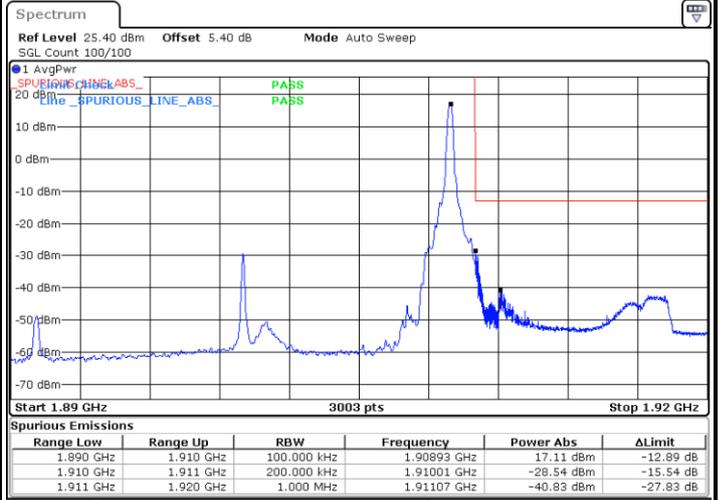
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



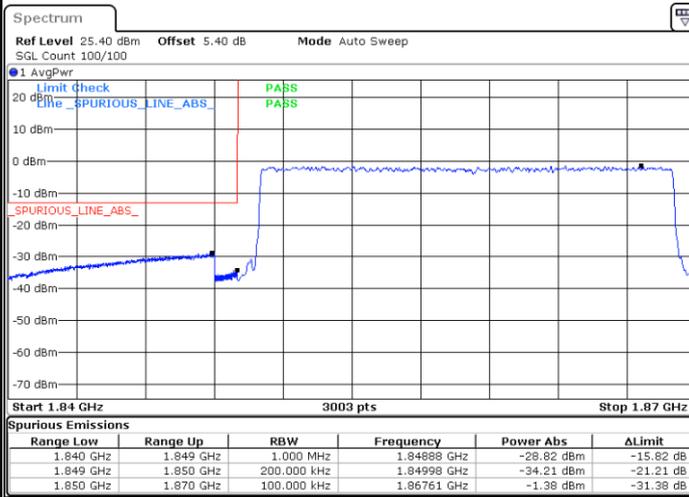
Date: 2.NOV.2022 23:08:32

Highest Band Edge / 1 RB



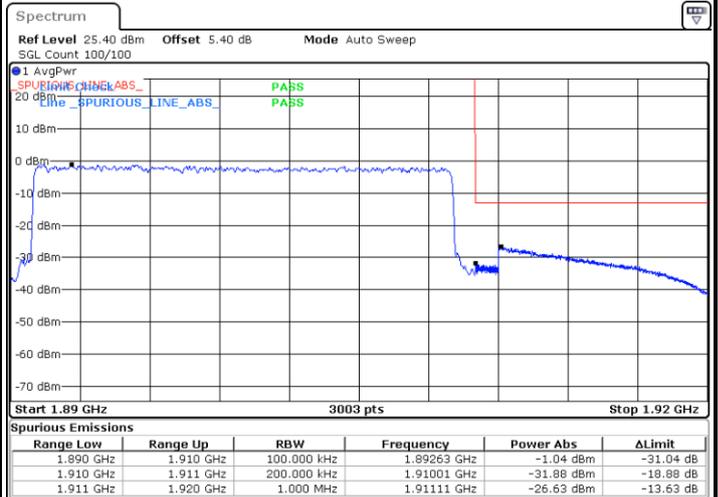
Date: 2.NOV.2022 23:20:46

Lowest Band Edge / Full RB



Date: 2.NOV.2022 23:13:16

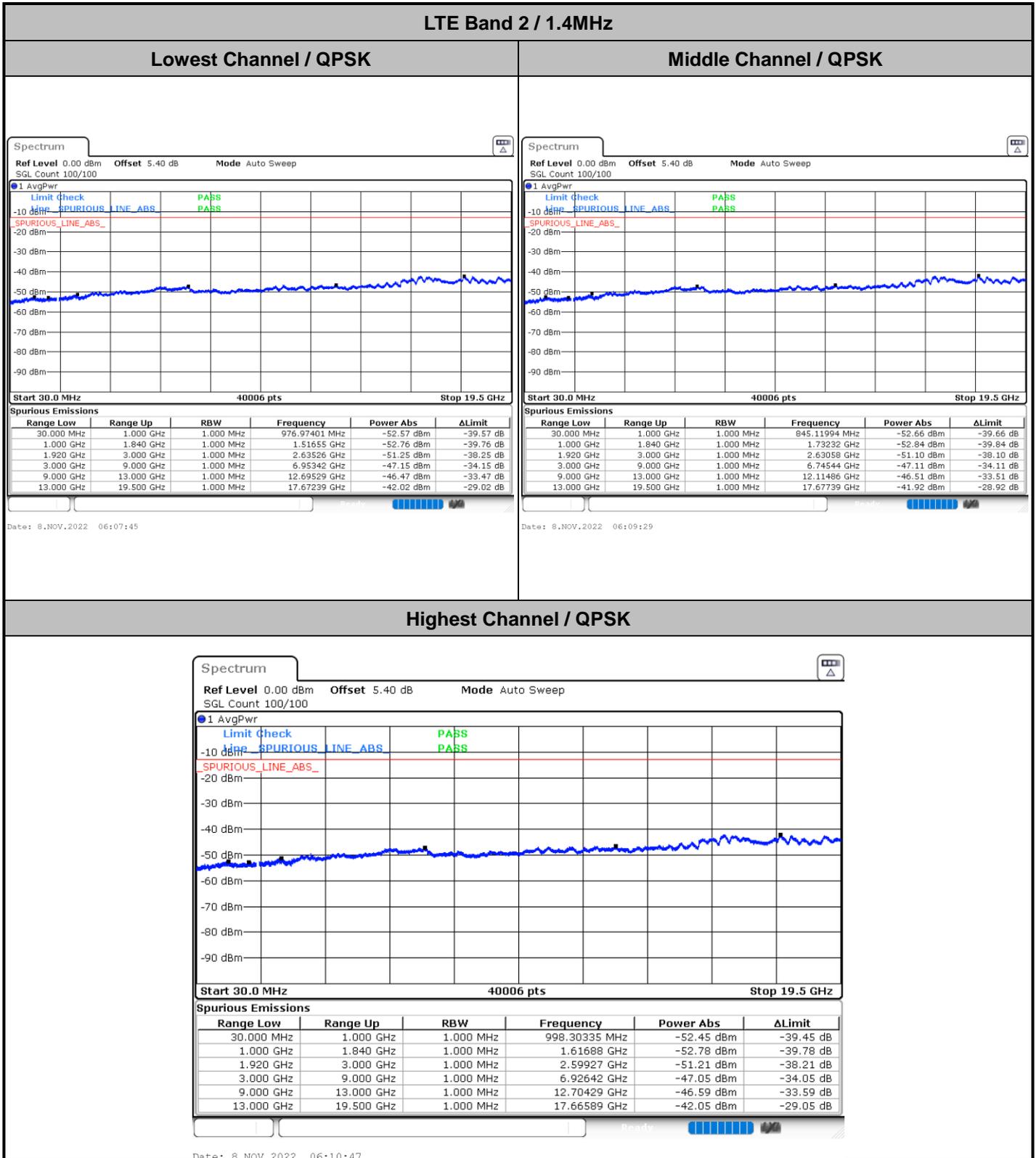
Highest Band Edge / Full RB



Date: 2.NOV.2022 23:25:29



Conducted Spurious Emission

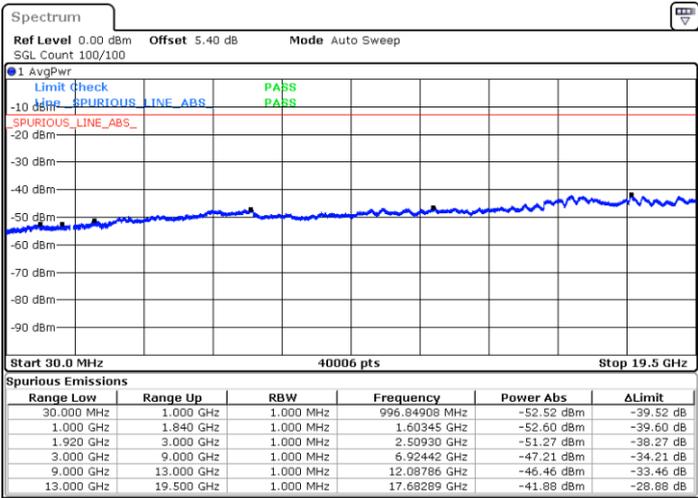




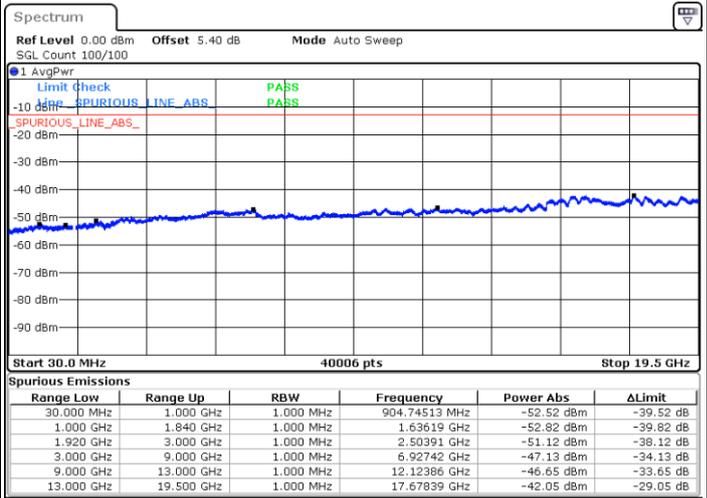
LTE Band 2 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

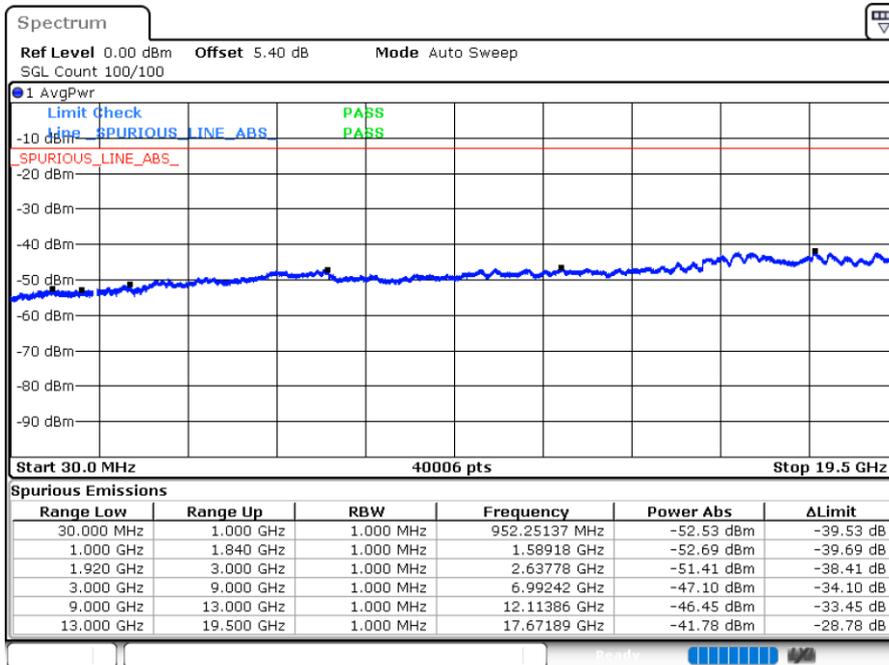


Date: 2.NOV.2022 20:56:04



Date: 2.NOV.2022 21:19:02

Highest Channel / QPSK



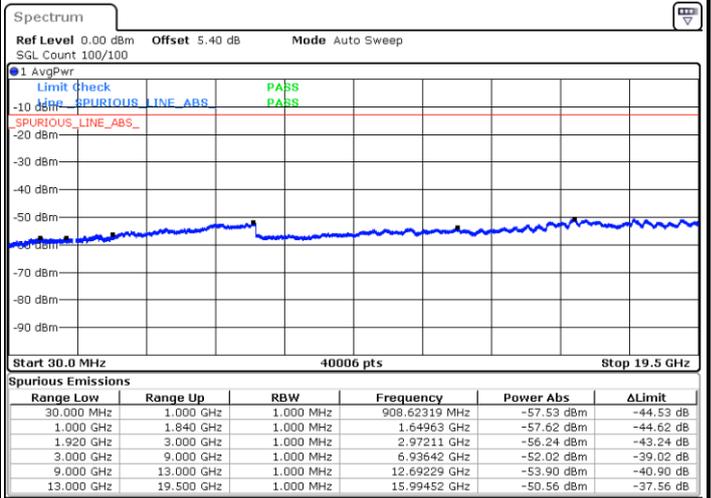
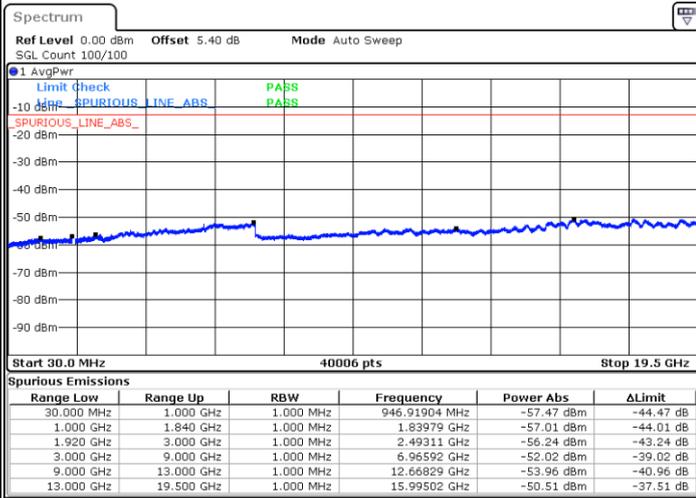
Date: 2.NOV.2022 21:20:22



LTE Band 2 / 5MHz

Lowest Channel / QPSK

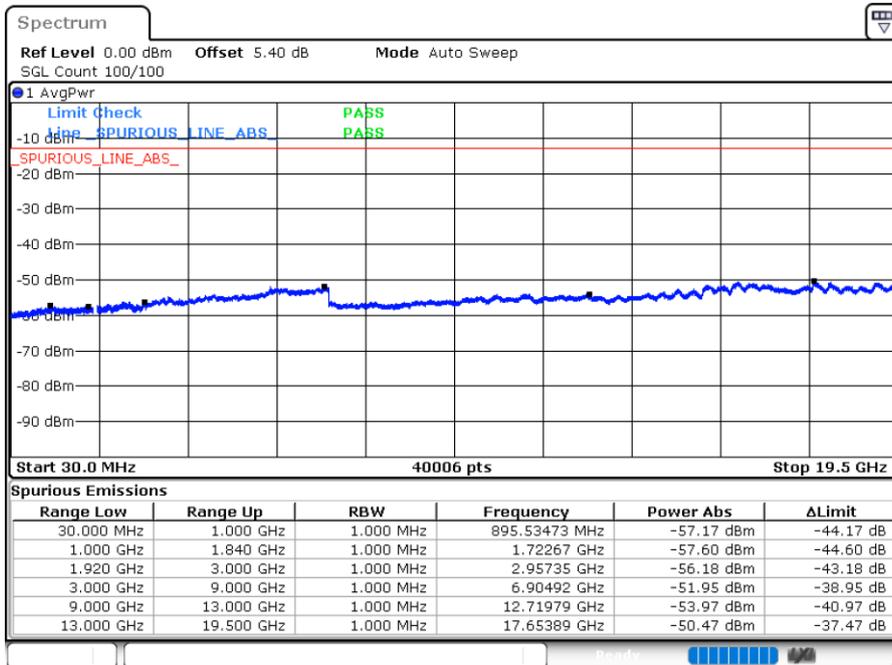
Middle Channel / QPSK



Date: 2.NOV.2022 21:32:02

Date: 2.NOV.2022 21:43:56

Highest Channel / QPSK



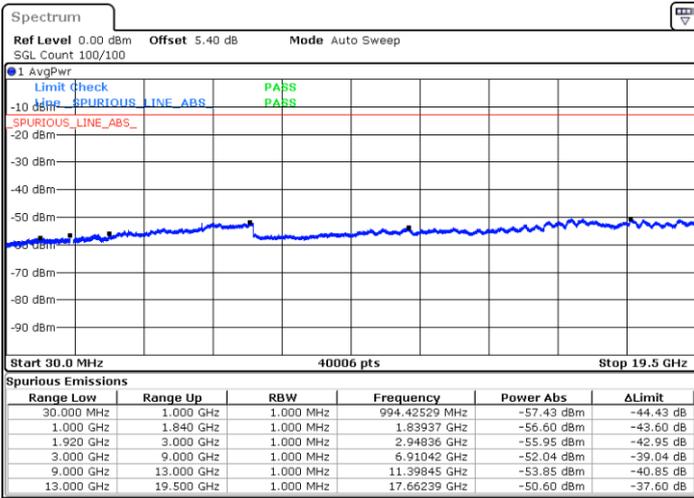
Date: 2.NOV.2022 21:45:16



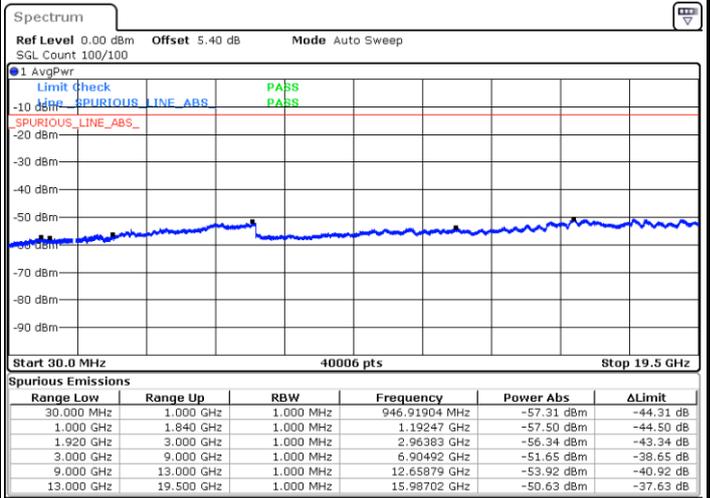
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

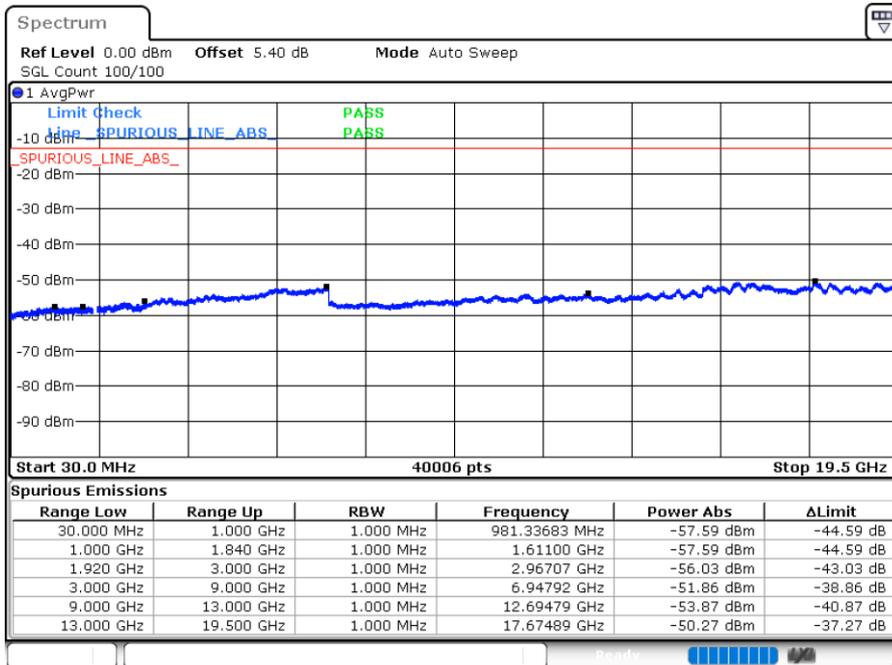


Date: 2.NOV.2022 22:10:01



Date: 2.NOV.2022 22:25:35

Highest Channel / QPSK



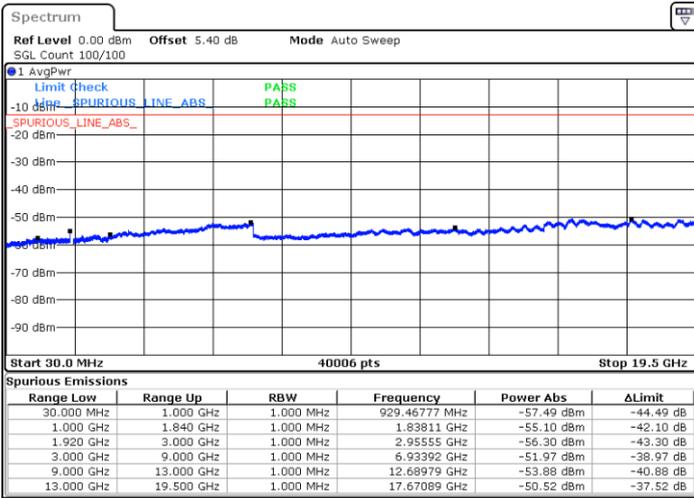
Date: 2.NOV.2022 22:26:55



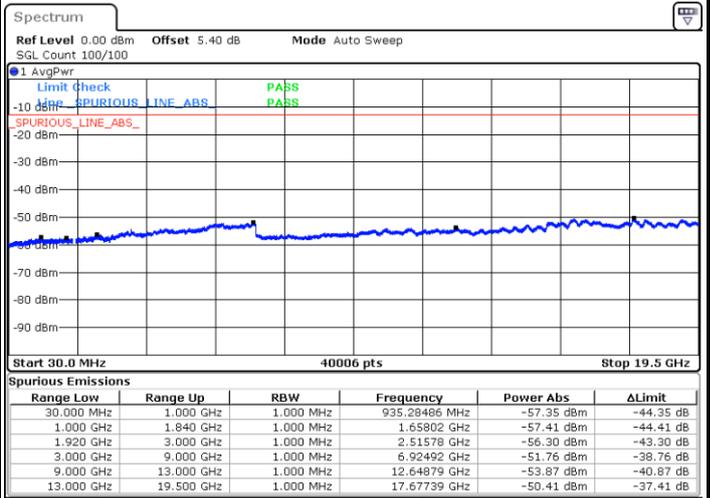
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

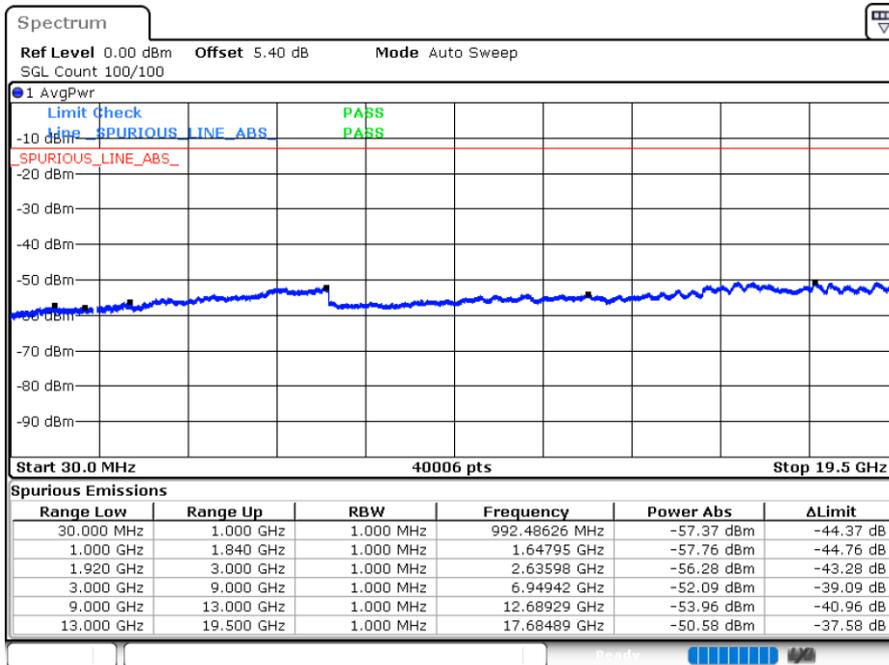


Date: 2.NOV.2022 22:39:27



Date: 2.NOV.2022 22:51:21

Highest Channel / QPSK



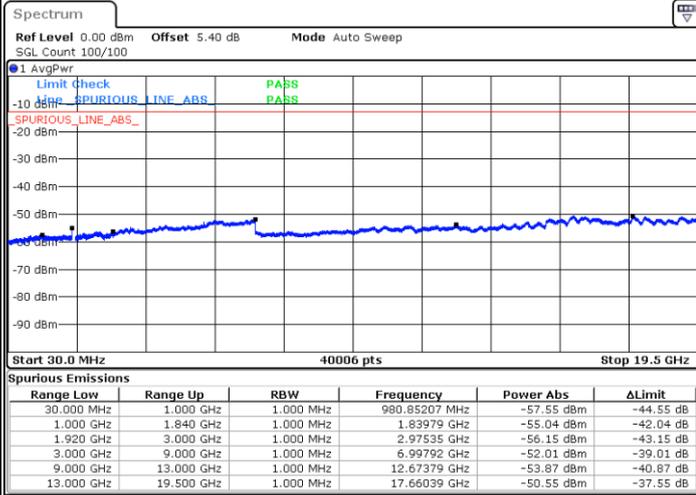
Date: 2.NOV.2022 22:52:41



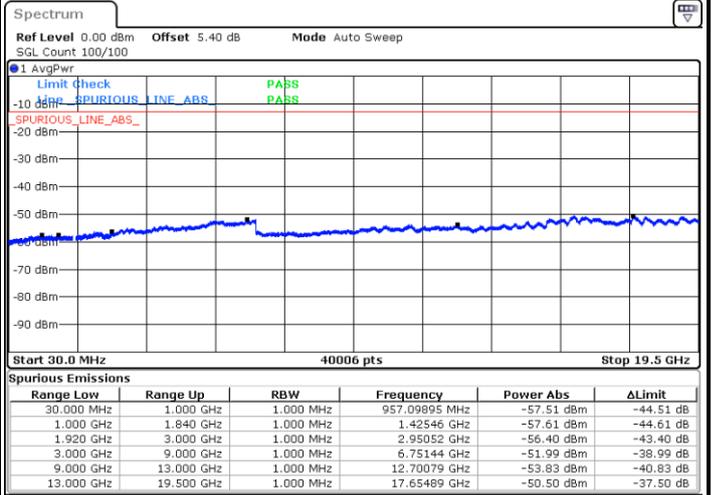
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

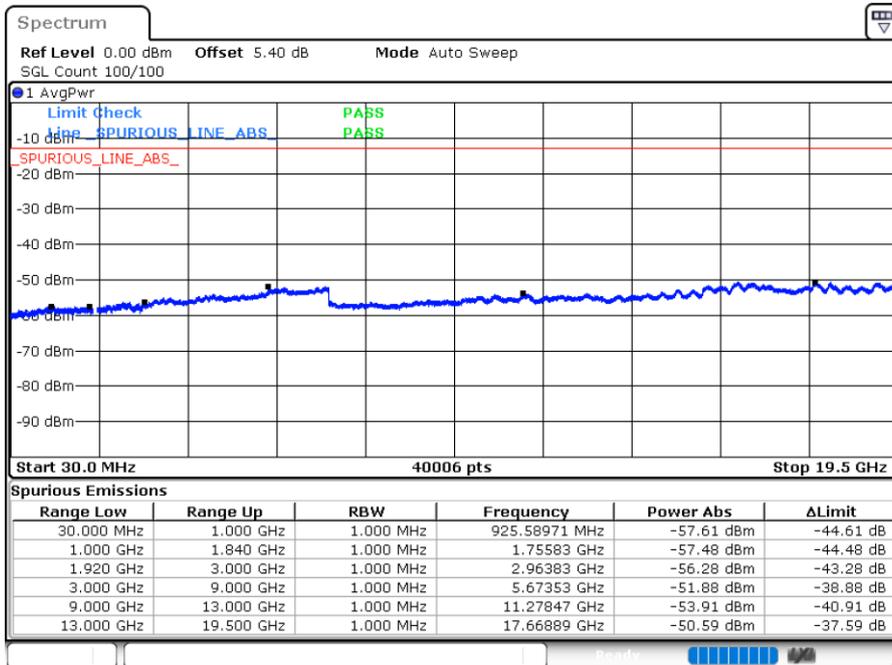


Date: 2.NOV.2022 23:03:52



Date: 2.NOV.2022 23:14:46

Highest Channel / QPSK



Date: 2.NOV.2022 23:16:05



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 | 0.0005 | PASS |
| 40 | Normal Voltage | 0.0007 | |
| 30 | Normal Voltage | 0.0015 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0002 | |
| 0 | Normal Voltage | 0.0007 | |
| -10 | Normal Voltage | 0.0016 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0018 | |
| 20 | Maximum Voltage | 0.0026 | |
| 20 | Normal Voltage | 0.0014 | |
| 20 | Battery End Point | 0.0007 | |

Note:

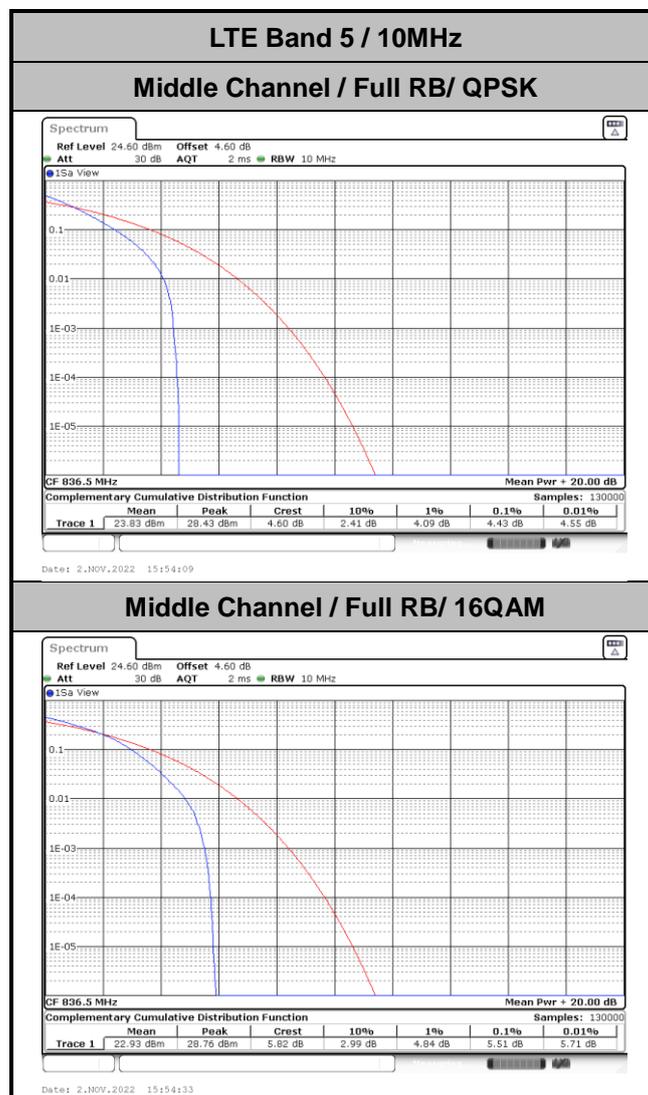
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

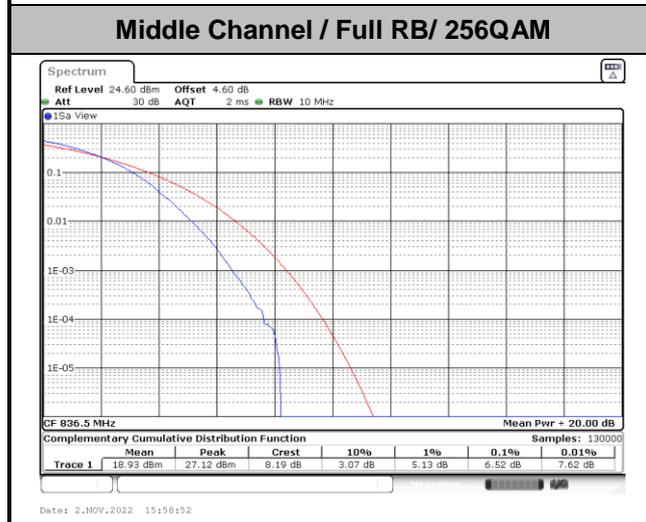
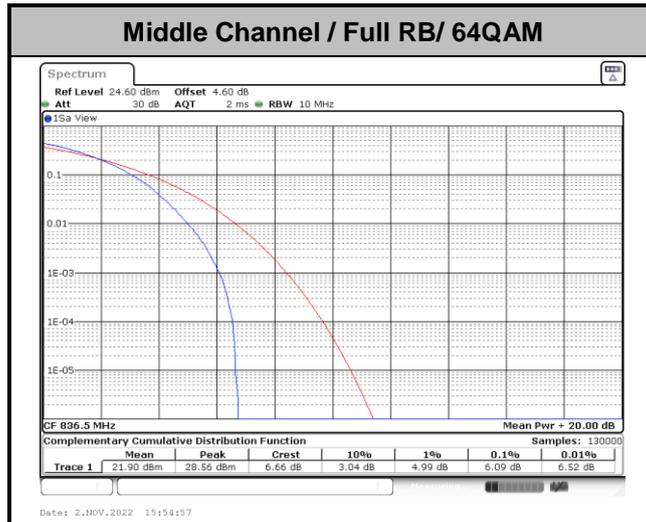


LTE Band 5

Peak-to-Average Ratio

| Mode | LTE Band 5 / 10MHz | | | | |
|-----------|--------------------|---------|---------|---------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Full RB | Result |
| Middle CH | 4.43 | 5.51 | 6.09 | 6.52 | PASS |

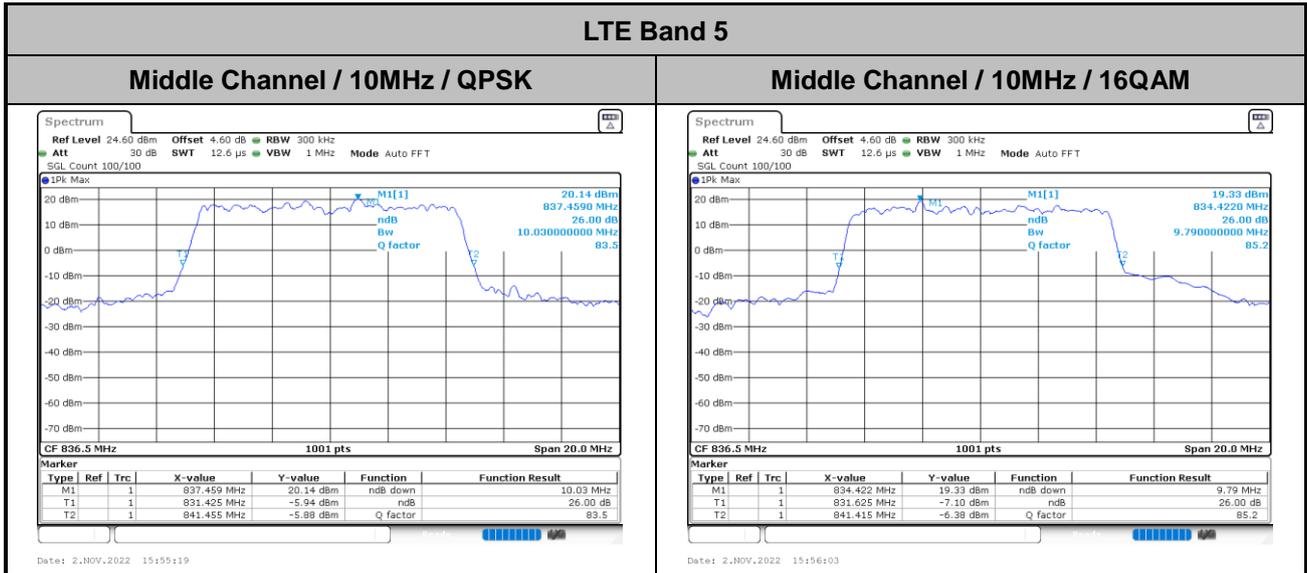






26dB Bandwidth

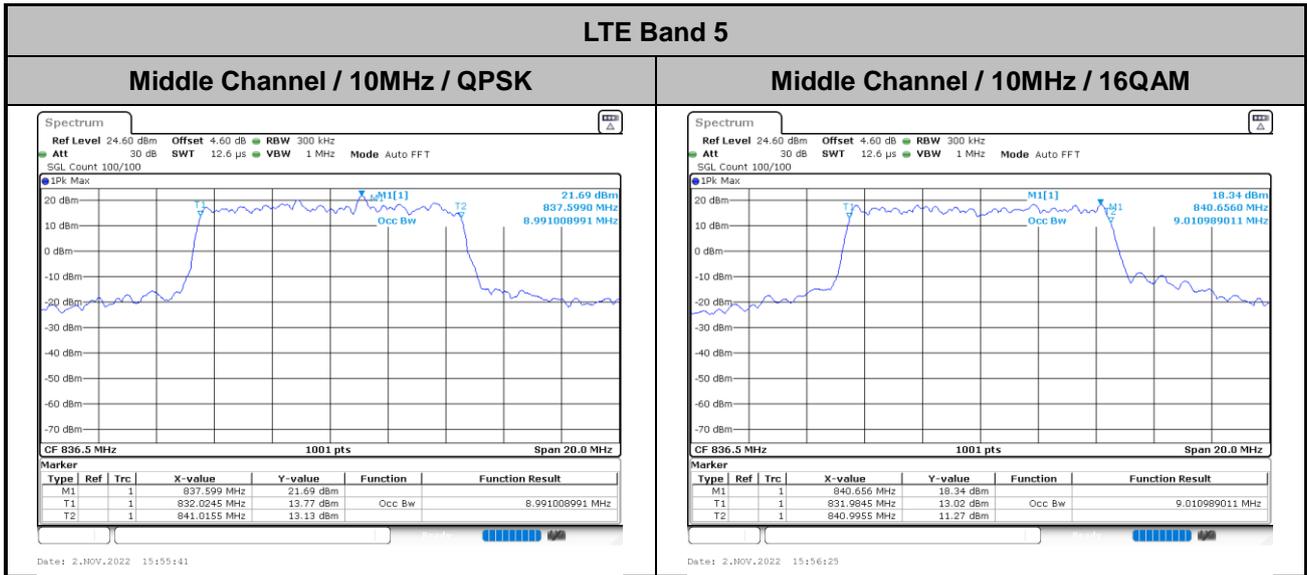
| | | |
|-----------|---------------------------|-------|
| Mode | LTE Band 5 : 26dB BW(MHz) | |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 10.03 | 9.79 |





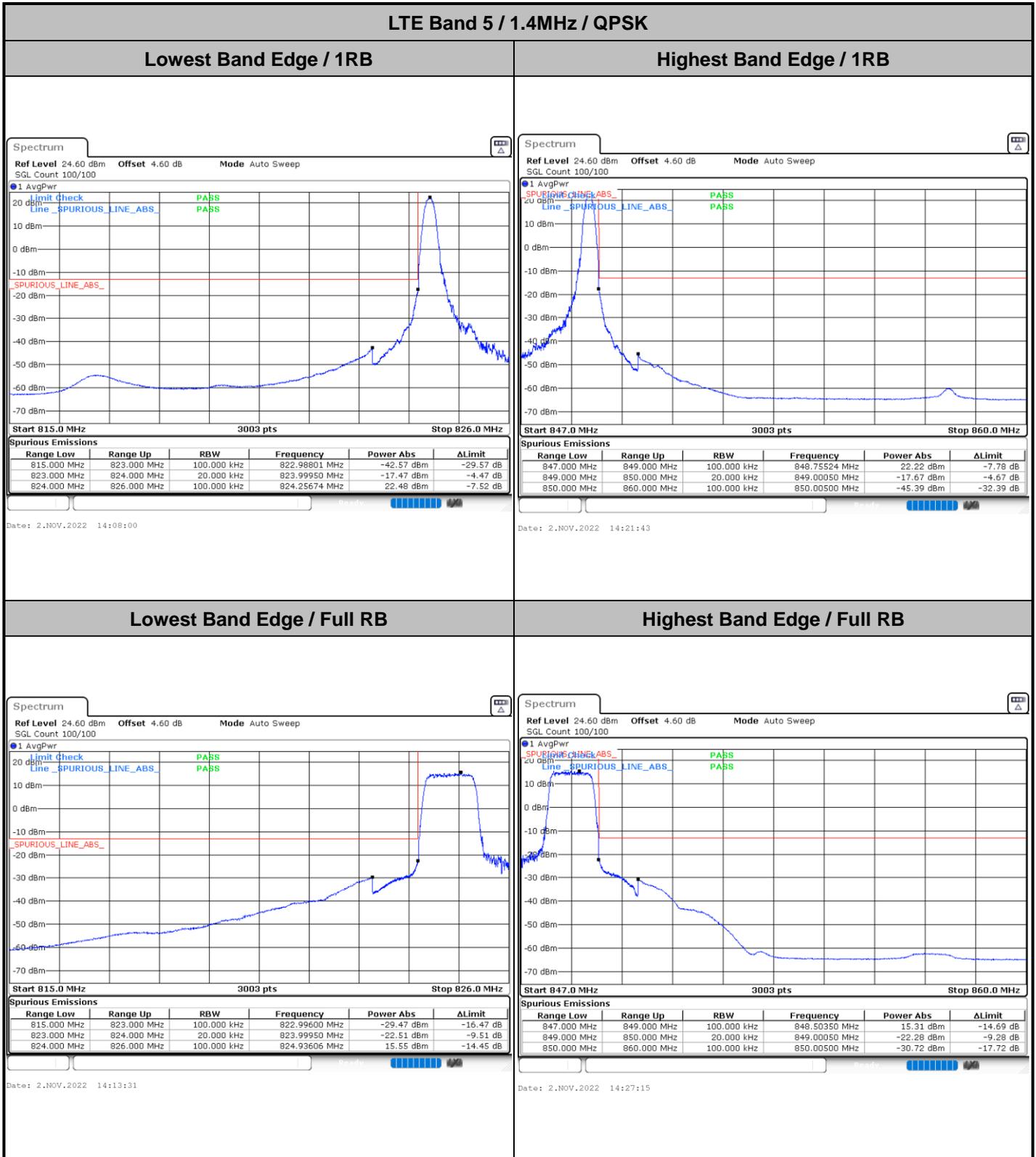
Occupied Bandwidth

| | | |
|------------------|---------------------------------|--------------|
| Mode | LTE Band 5 : 99%OBW(MHz) | |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 8.99 | 9.01 |





Conducted Band Edge

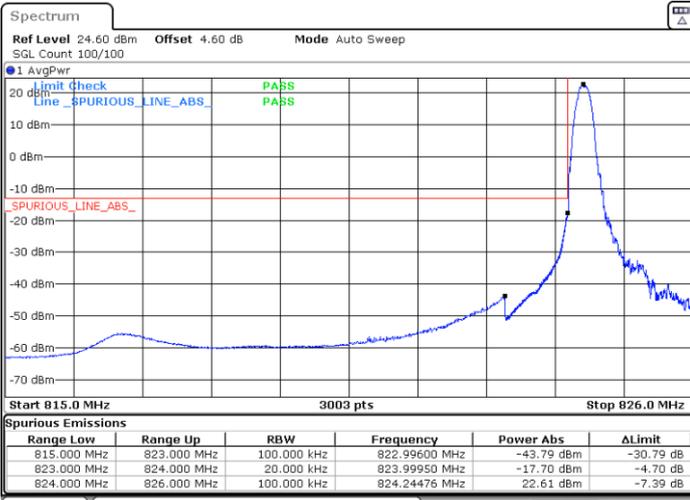




LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 2.NOV.2022 14:09:50



Date: 2.NOV.2022 14:23:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.NOV.2022 14:15:22

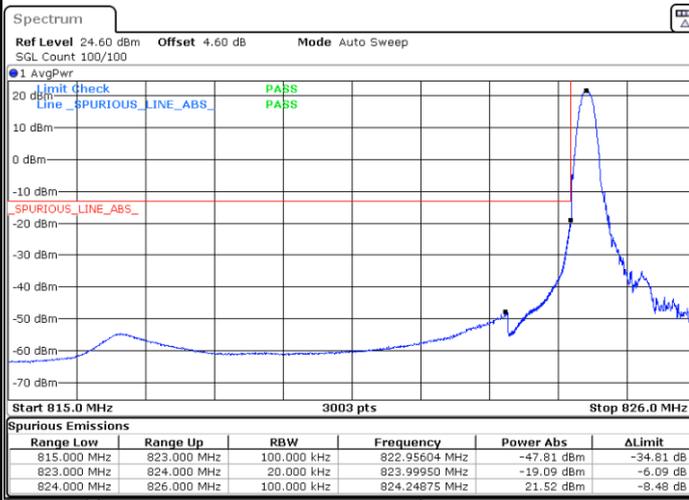


Date: 2.NOV.2022 14:29:05



LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



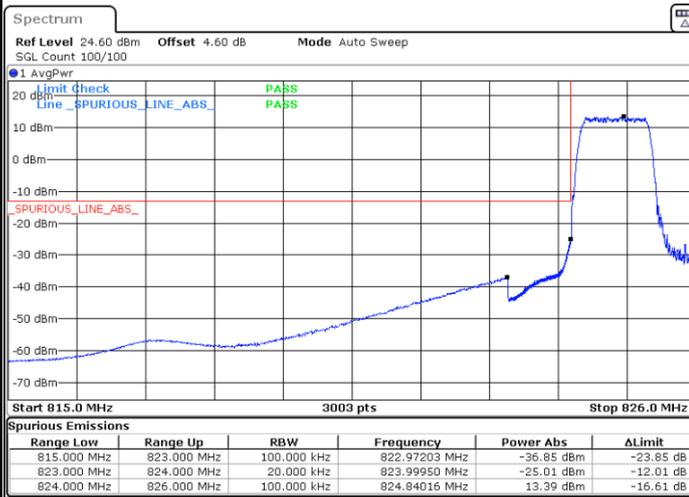
Date: 2.NOV.2022 14:11:41

Highest Band Edge / 1 RB



Date: 2.NOV.2022 14:25:24

Lowest Band Edge / Full RB



Date: 2.NOV.2022 14:17:12

Highest Band Edge / Full RB



Date: 2.NOV.2022 14:30:56



LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 2.NOV.2022 16:34:55

Date: 2.NOV.2022 16:46:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



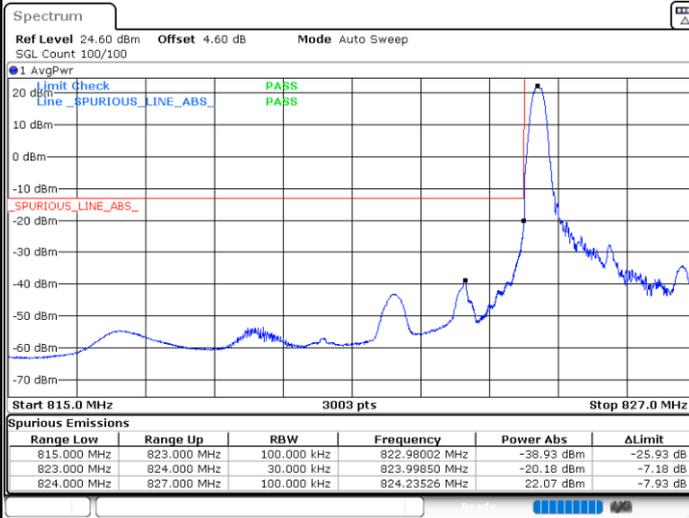
Date: 2.NOV.2022 16:37:20

Date: 2.NOV.2022 16:40:57



LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



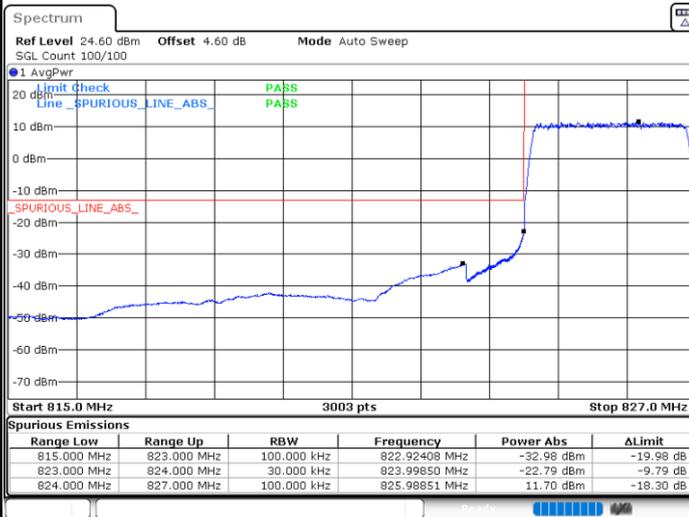
Date: 2.NOV.2022 14:34:07

Highest Band Edge / 1 RB



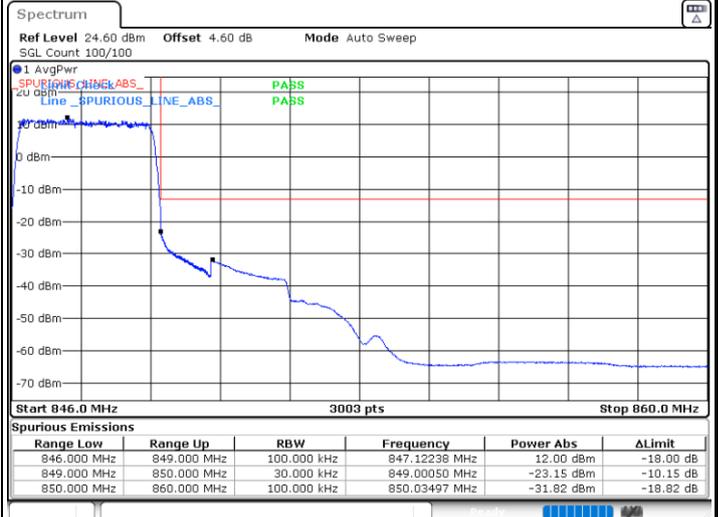
Date: 2.NOV.2022 14:50:39

Lowest Band Edge / Full RB



Date: 2.NOV.2022 14:42:27

Highest Band Edge / Full RB

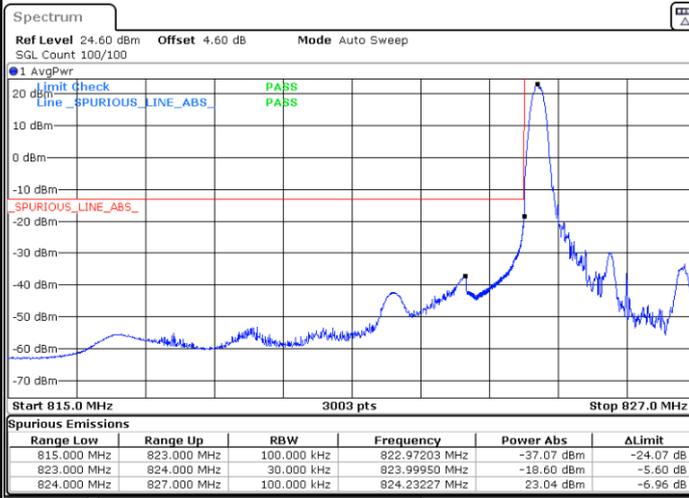


Date: 2.NOV.2022 14:56:10



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



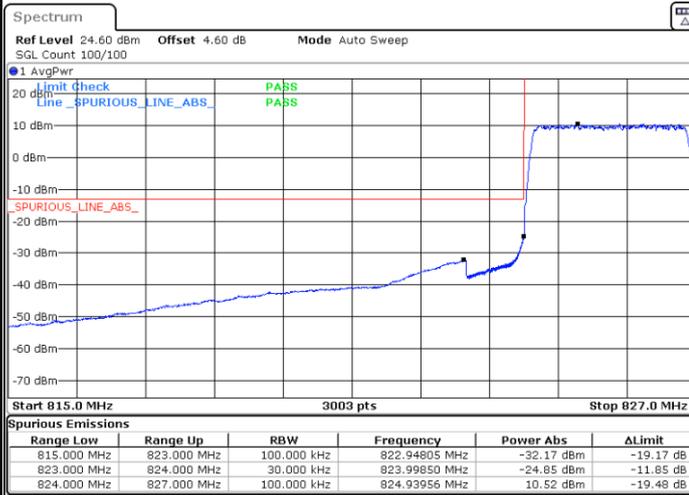
Date: 2.NOV.2022 14:35:58

Highest Band Edge / 1 RB



Date: 2.NOV.2022 14:52:29

Lowest Band Edge / Full RB



Date: 2.NOV.2022 14:44:18

Highest Band Edge / Full RB



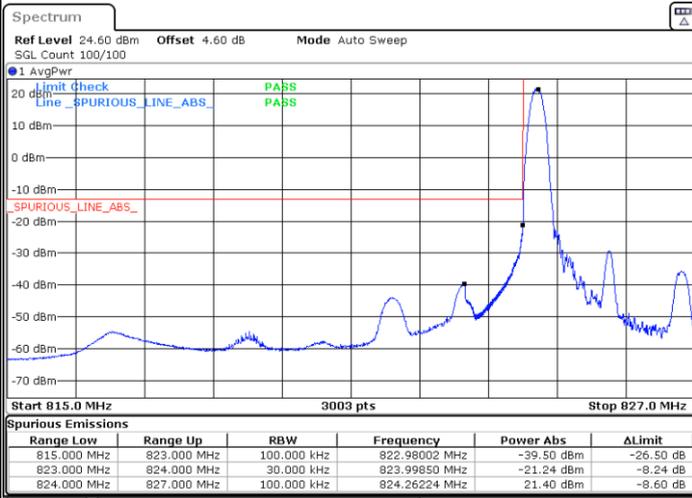
Date: 2.NOV.2022 14:58:01



LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 2.NOV.2022 14:37:49

Date: 2.NOV.2022 14:54:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



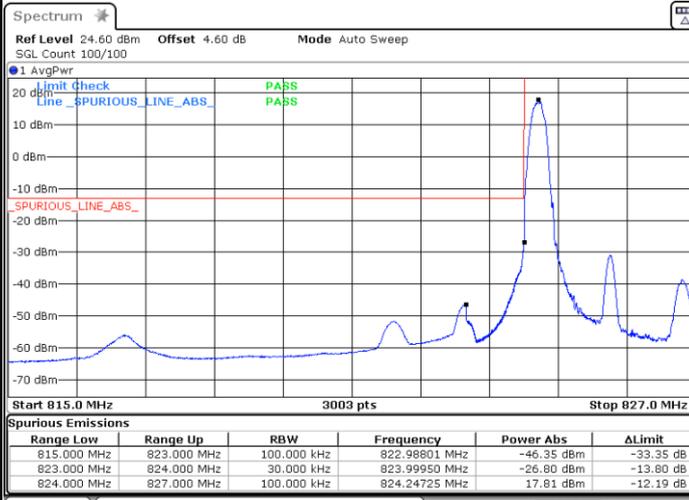
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Date: 2.NOV.2022 14:59:52



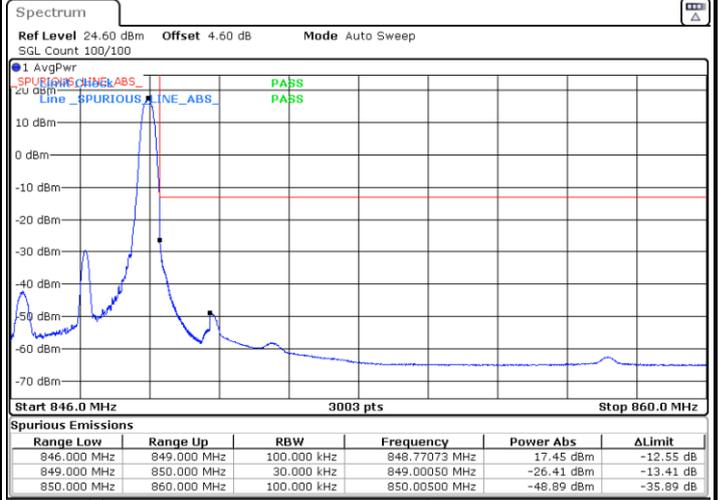
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



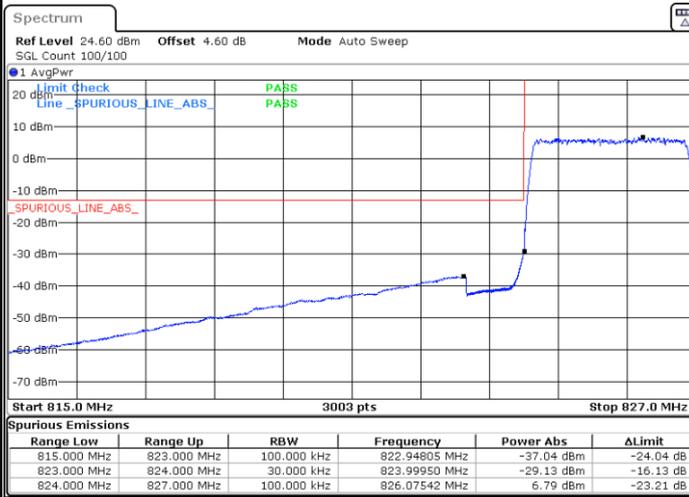
Date: 2.NOV.2022 16:19:31

Highest Band Edge / 1 RB



Date: 2.NOV.2022 16:24:51

Lowest Band Edge / Full RB



Date: 2.NOV.2022 16:21:18

Highest Band Edge / Full RB



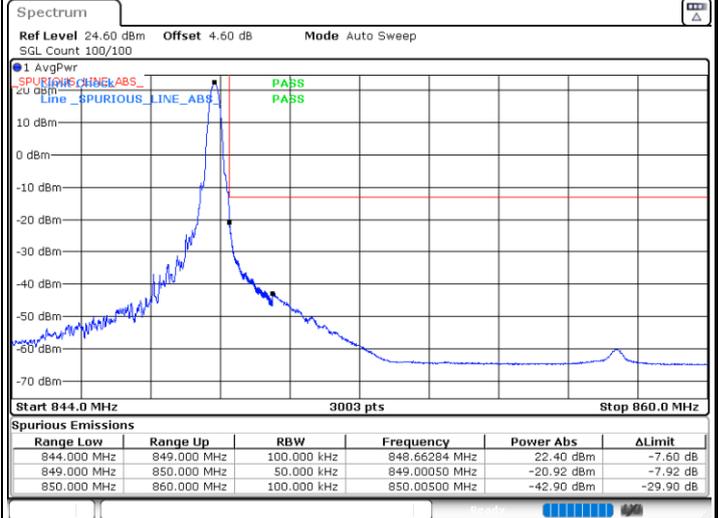
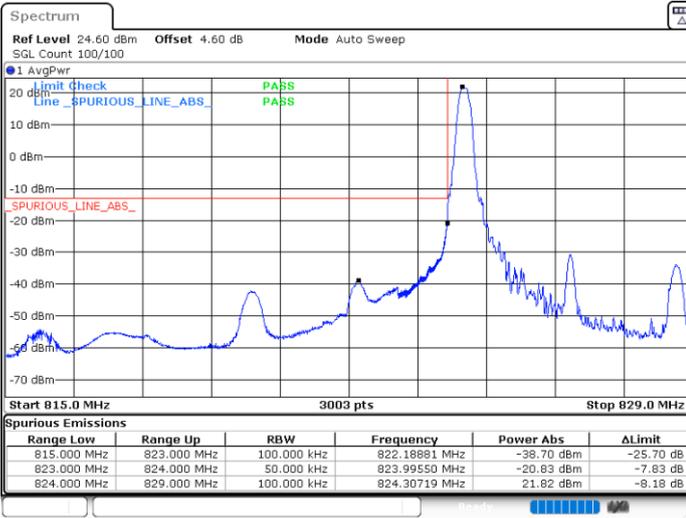
Date: 2.NOV.2022 16:23:04



LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

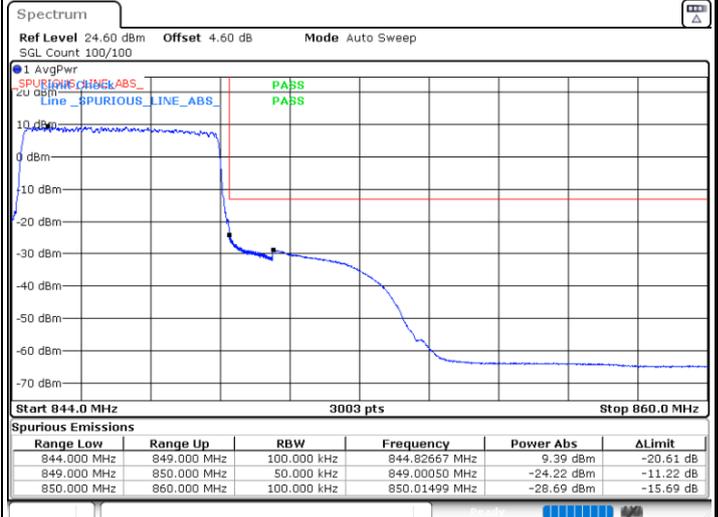
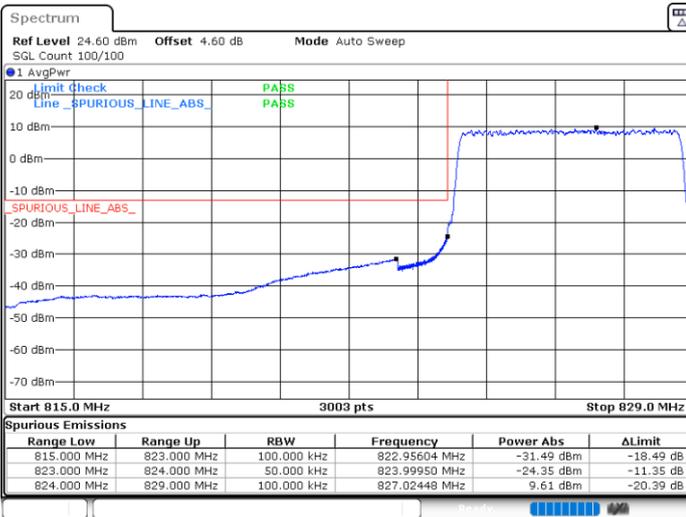


Date: 2.NOV.2022 15:03:56

Date: 2.NOV.2022 15:17:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



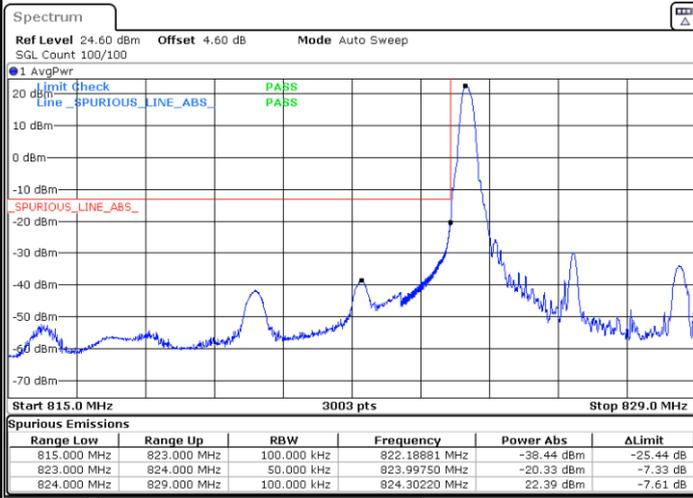
Date: 2.NOV.2022 15:09:28

Date: 2.NOV.2022 15:23:12



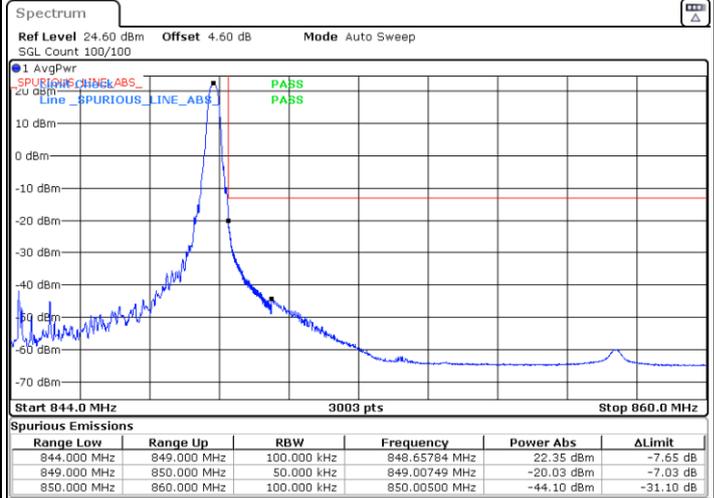
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



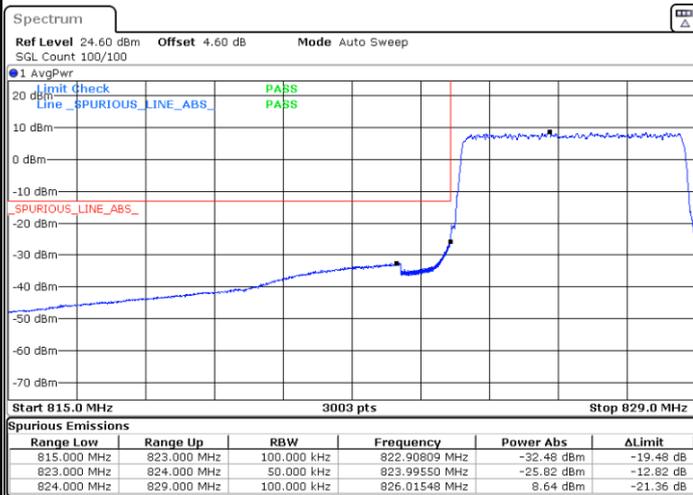
Date: 2.NOV.2022 15:05:47

Highest Band Edge / 1 RB



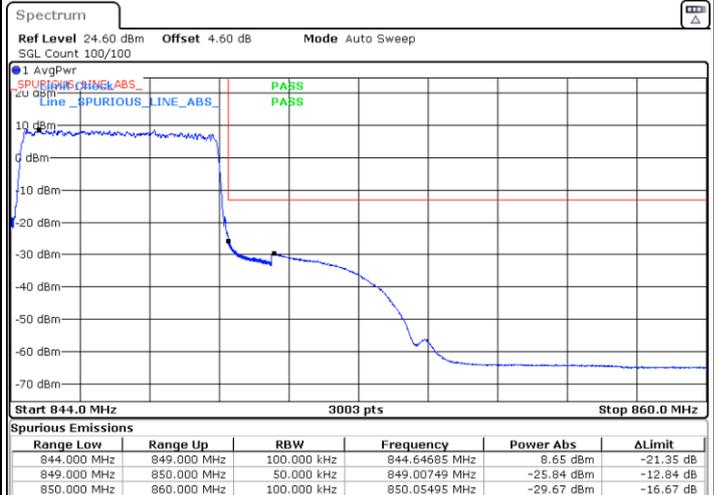
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Lowest Band Edge / Full RB



Date: 2.NOV.2022 15:11:18

Highest Band Edge / Full RB

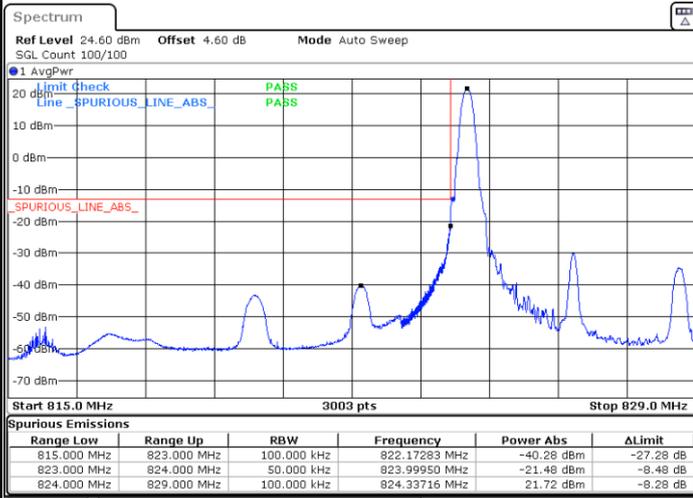


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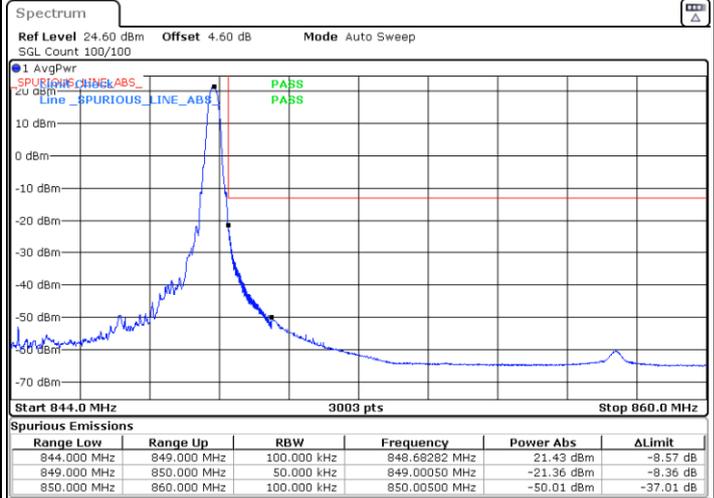
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



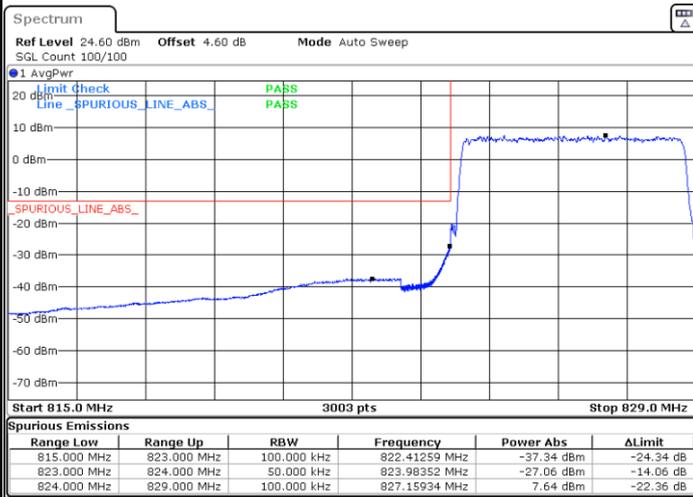
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Highest Band Edge / 1 RB



Date: 2.NOV.2022 15:21:21

Lowest Band Edge / Full RB



Date: 2.NOV.2022 15:13:09

Highest Band Edge / Full RB

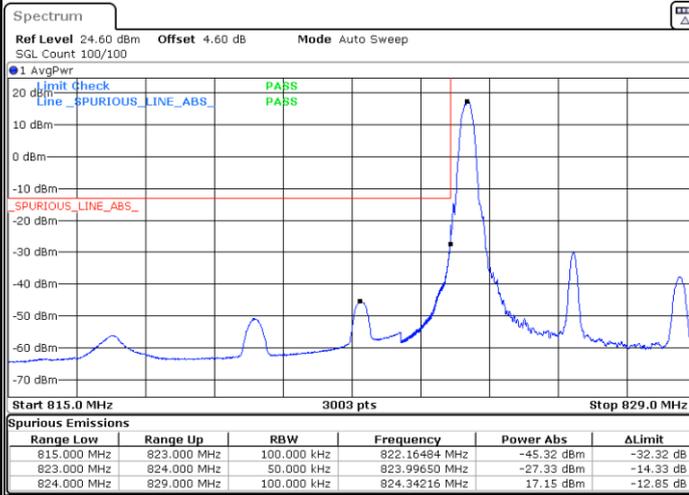


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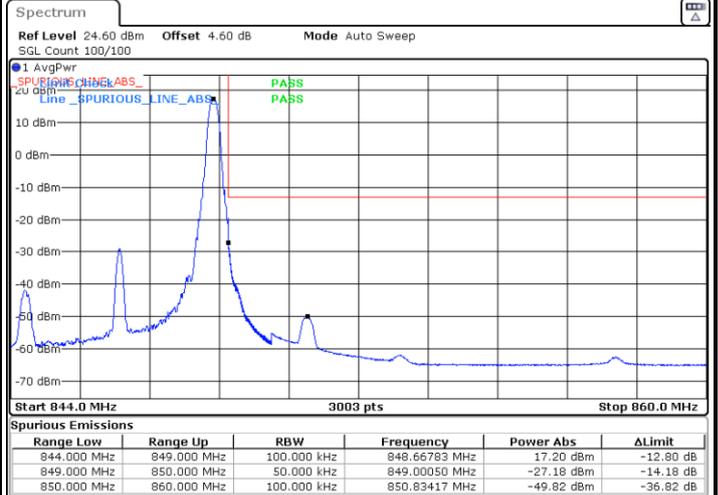
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



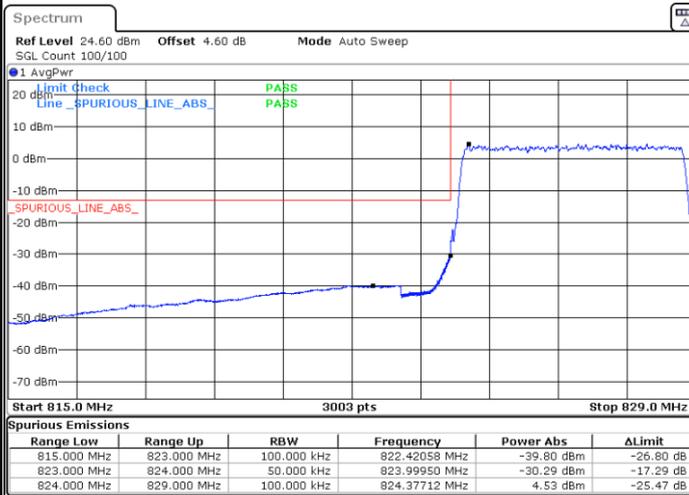
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Highest Band Edge / 1 RB



Date: 2.NOV.2022 16:15:27

Lowest Band Edge / Full RB



Date: 2.NOV.2022 16:13:07

Highest Band Edge / Full RB

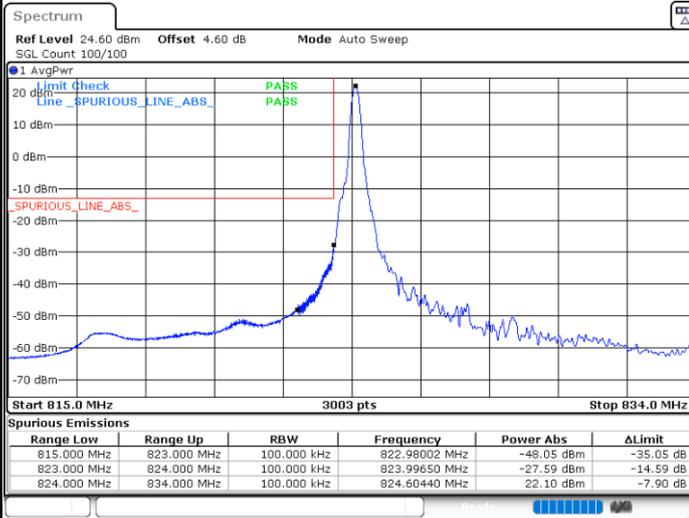


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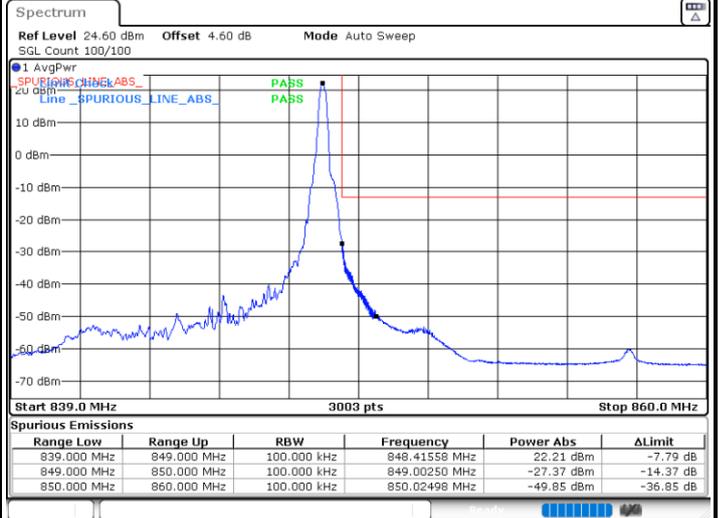


LTE Band 5 / 10MHz / QPSK

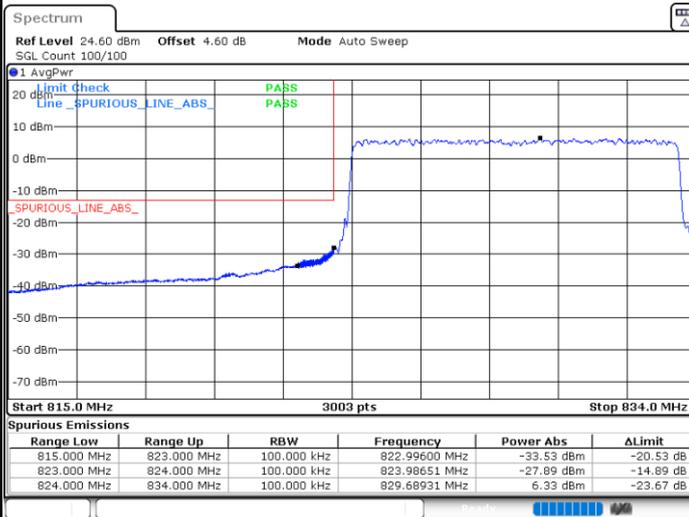
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

