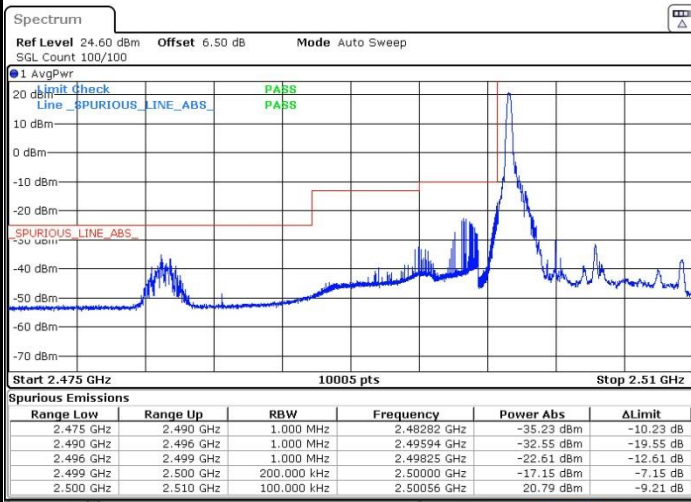




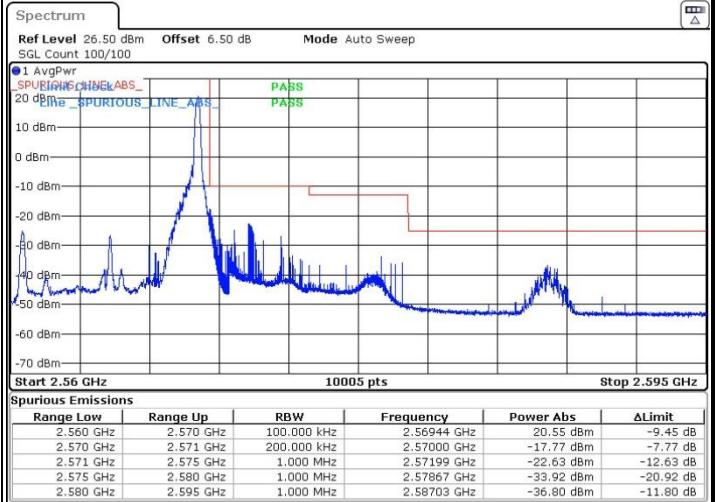
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



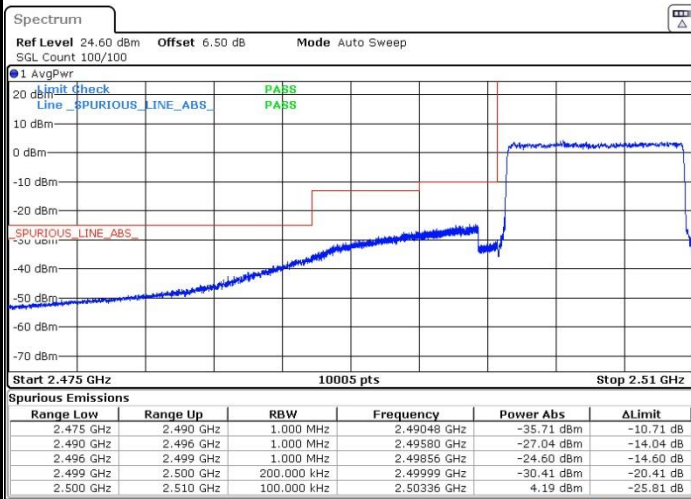
Date: 2 AUG.2021 20:23:19



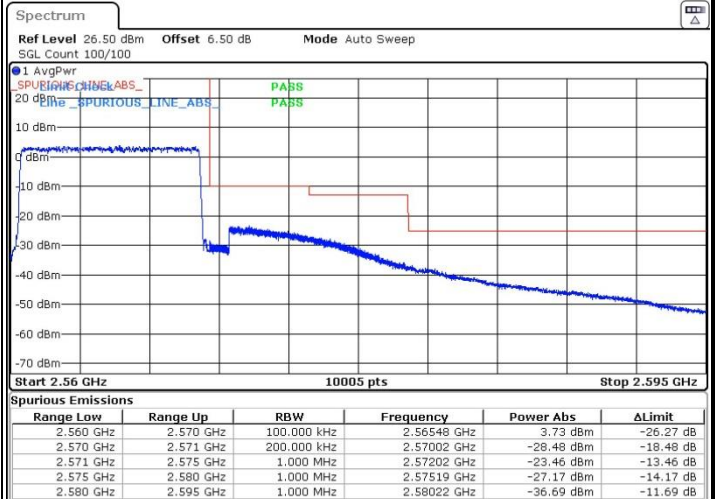
Date: 2 AUG.2021 20:30:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2 AUG.2021 20:22:01

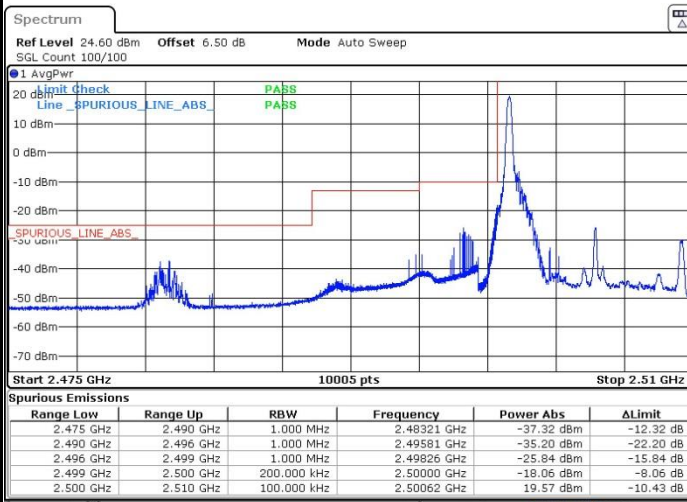


Date: 2 AUG.2021 20:28:51



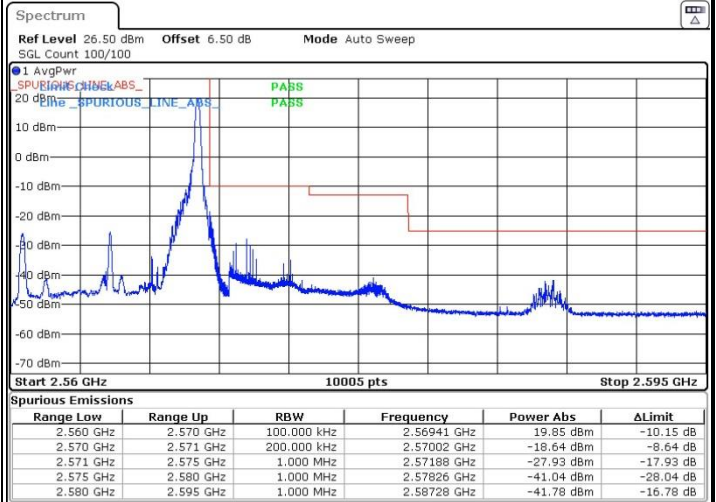
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



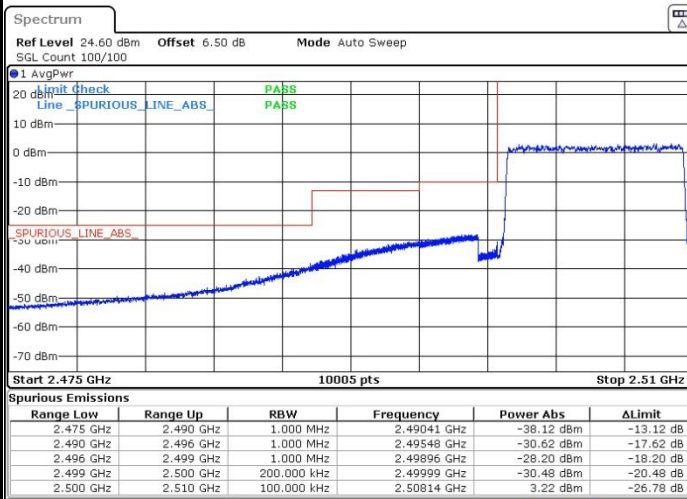
Date: 2 AUG 2021 20:23:02

Highest Band Edge / 1 RB



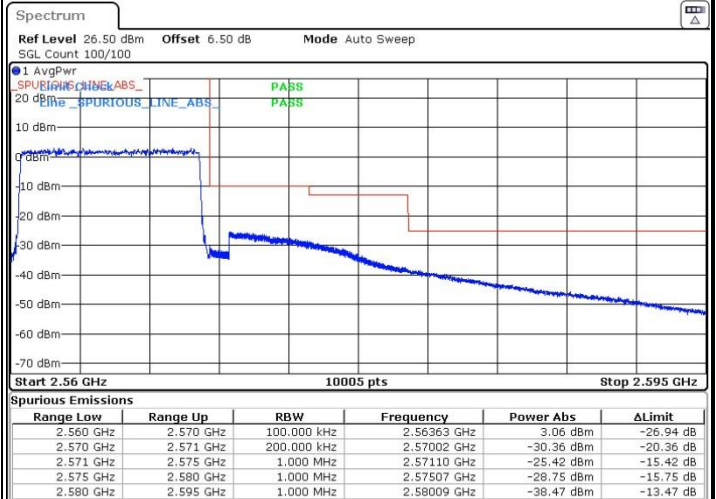
Date: 2 AUG 2021 20:29:47

Lowest Band Edge / Full RB



Date: 2 AUG 2021 20:22:42

Highest Band Edge / Full RB

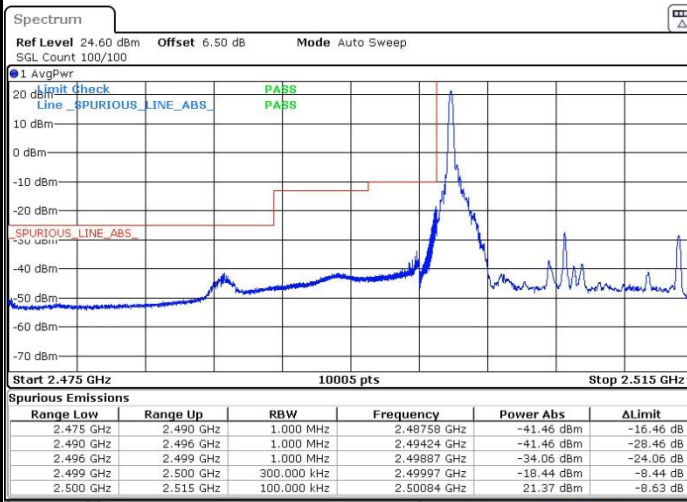


Date: 2 AUG 2021 20:29:12



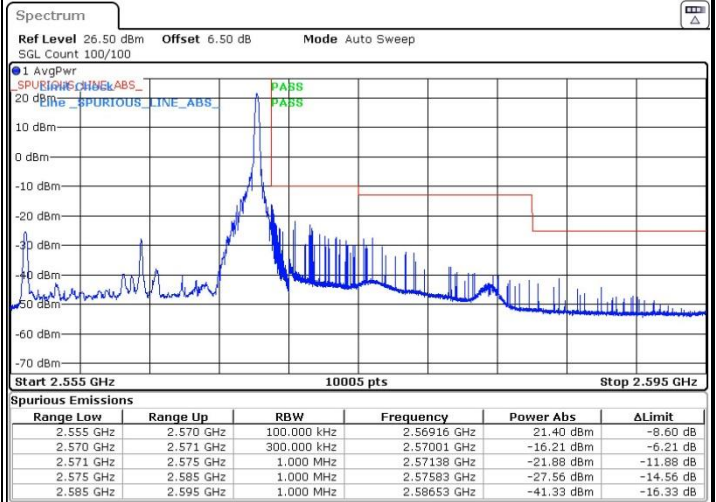
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



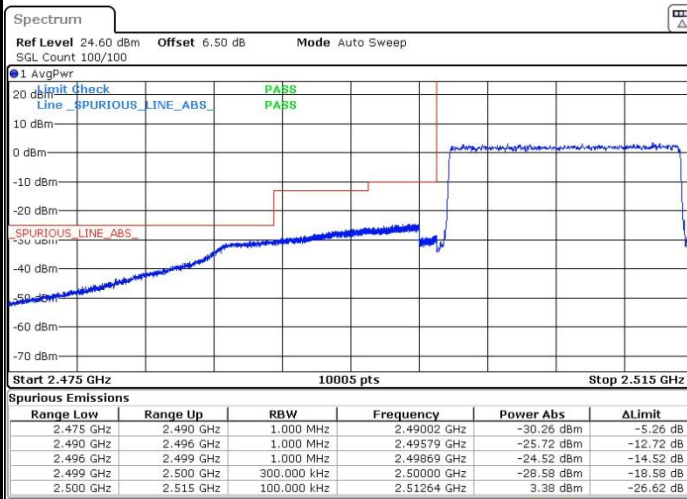
Date: 2 AUG 2021 20:33:28

Highest Band Edge / 1 RB



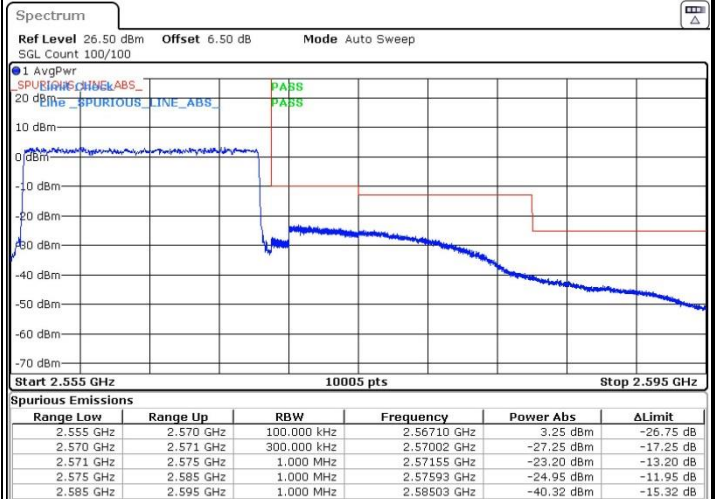
Date: 2 AUG 2021 20:38:27

Lowest Band Edge / Full RB



Date: 2 AUG 2021 20:31:23

Highest Band Edge / Full RB

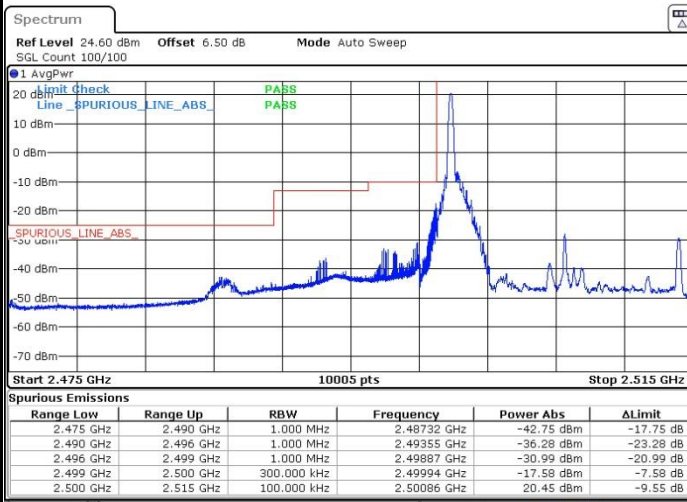


Date: 2 AUG 2021 20:37:57



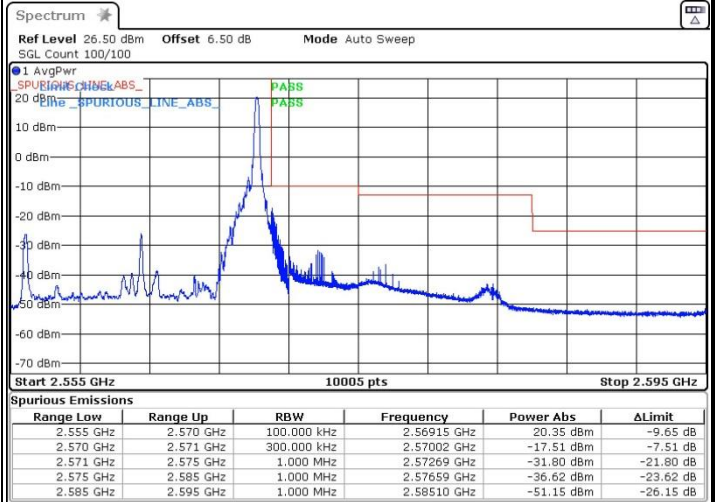
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



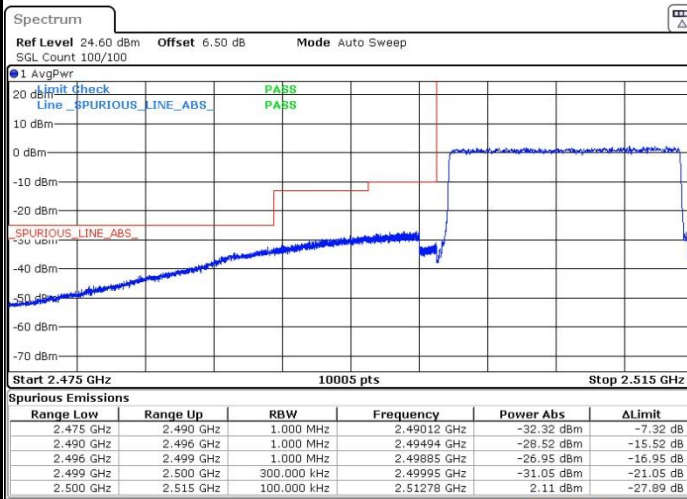
Date: 2 AUG 2021 20:33:02

Highest Band Edge / 1 RB



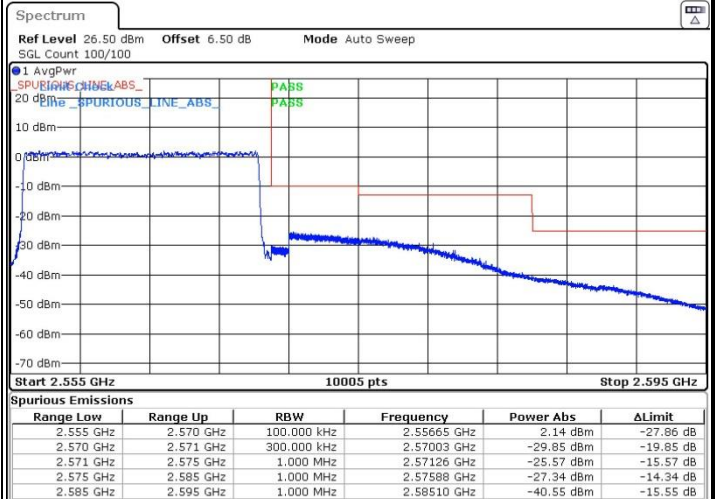
Date: 2 AUG 2021 20:40:23

Lowest Band Edge / Full RB



Date: 2 AUG 2021 20:31:53

Highest Band Edge / Full RB

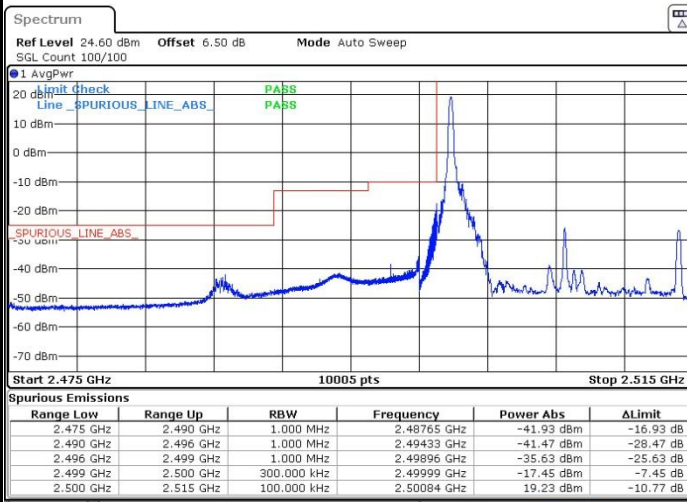


Date: 2 AUG 2021 20:37:37



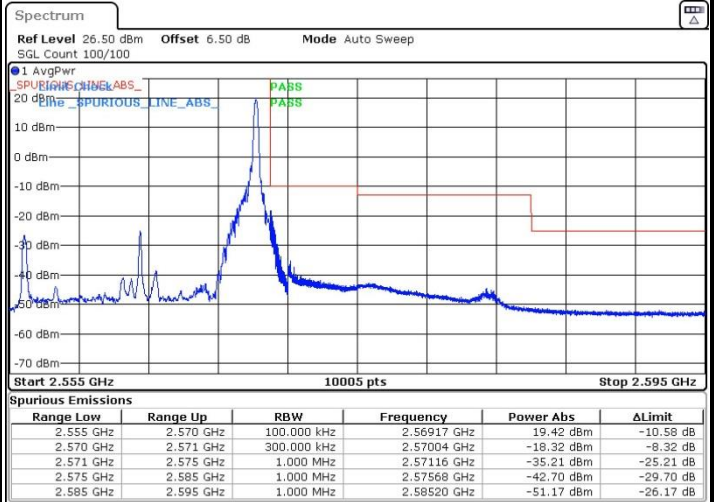
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



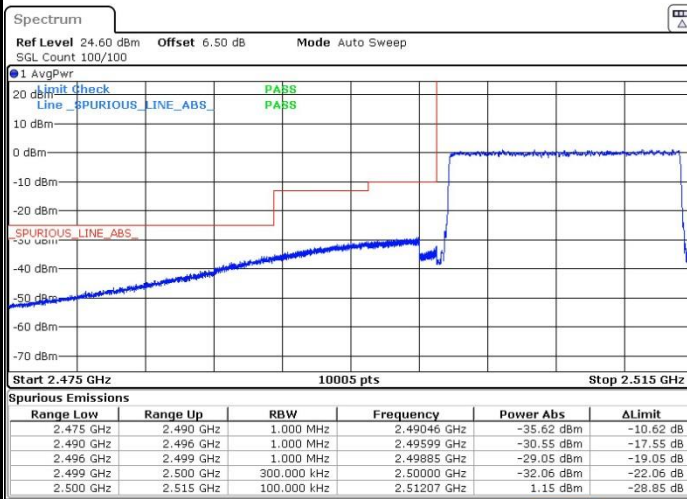
Date: 2 AUG.2021 20:32:31

Highest Band Edge / 1 RB



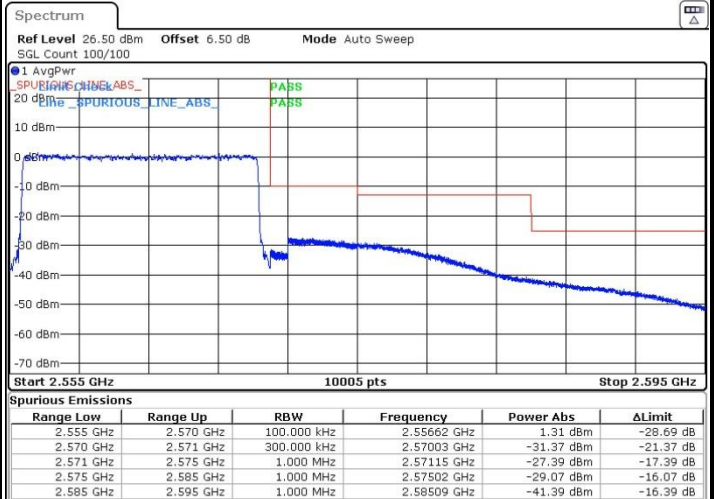
Date: 2 AUG.2021 20:40:47

Lowest Band Edge / Full RB



Date: 2 AUG.2021 20:32:13

Highest Band Edge / Full RB



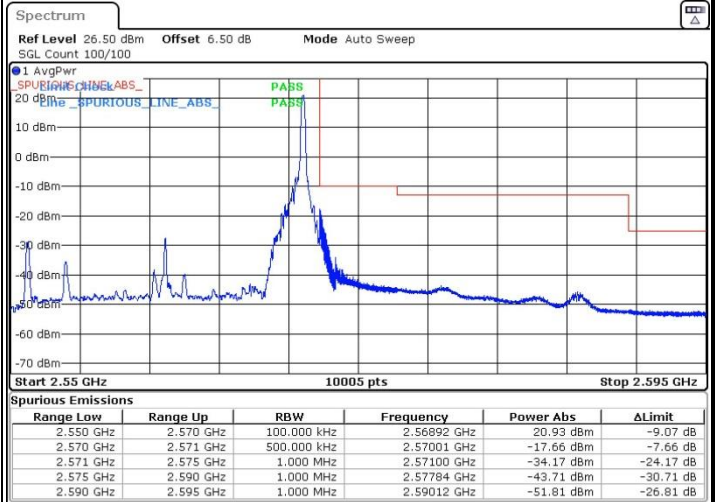
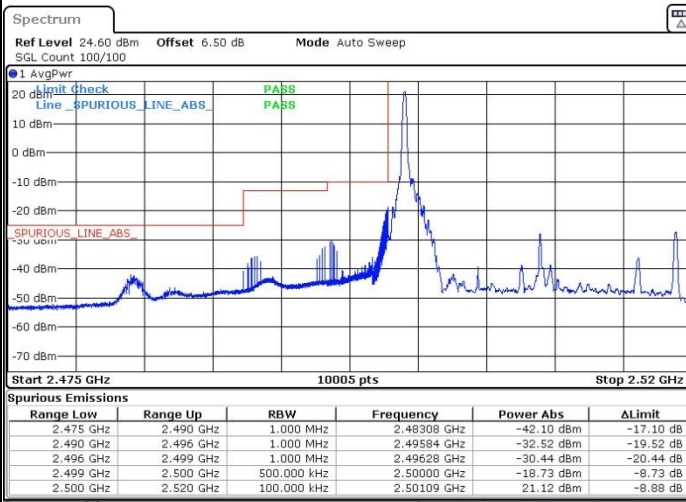
Date: 2 AUG.2021 20:37:21



LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

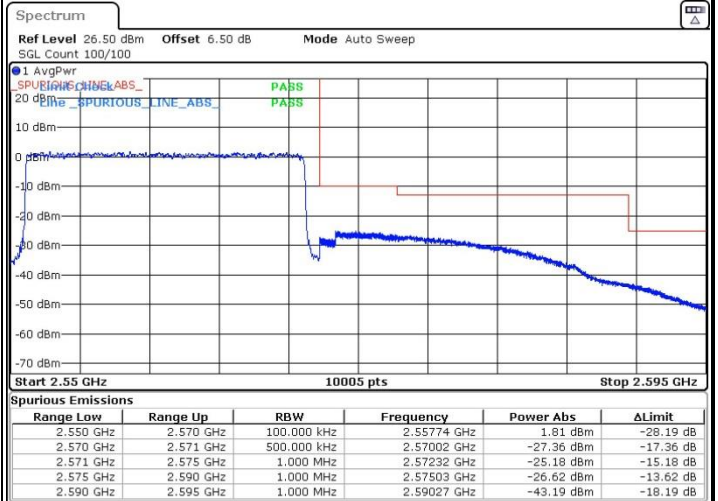
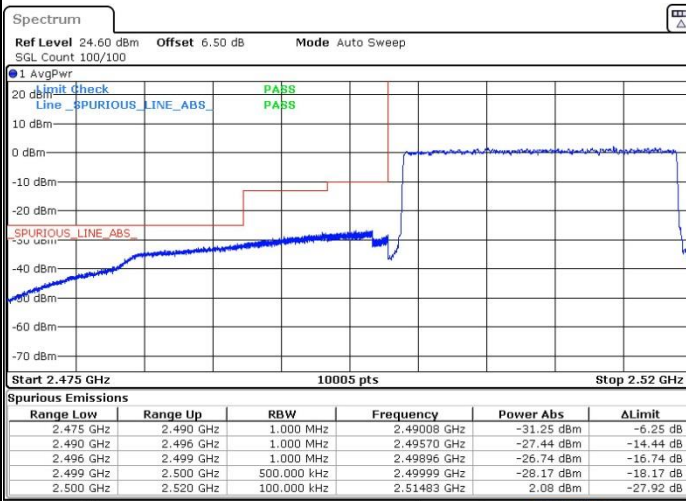


Date: 2 AUG.2021 20:43:00

Date: 2 AUG.2021 20:50:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



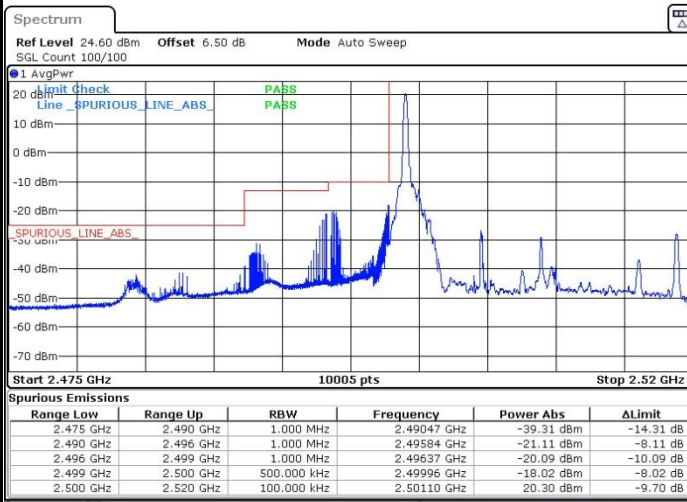
Date: 2 AUG.2021 20:41:37

Date: 2 AUG.2021 20:48:51



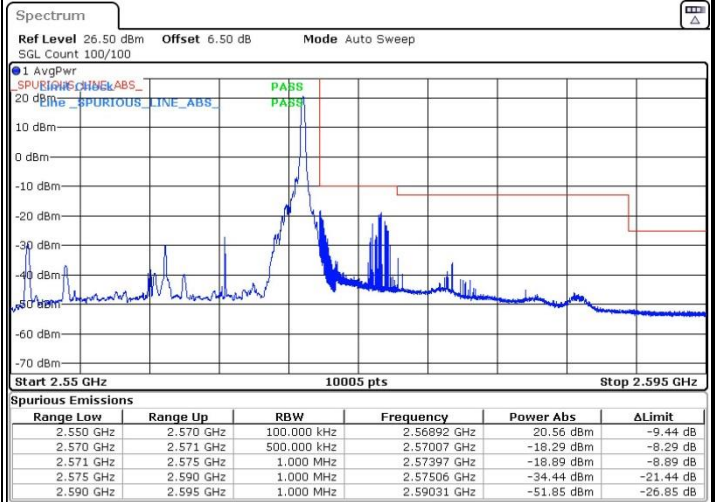
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



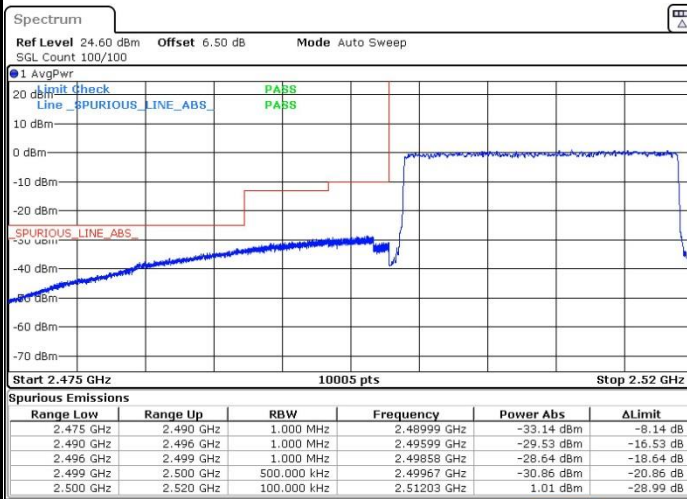
Date: 2 AUG.2021 20:42:44

Highest Band Edge / 1 RB



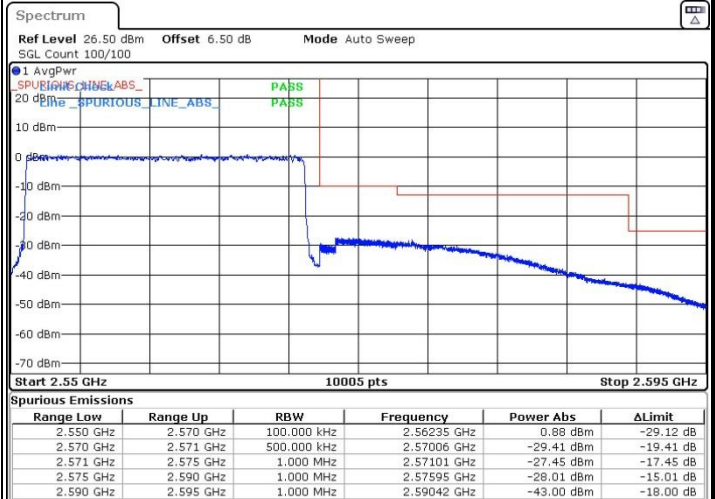
Date: 2 AUG.2021 20:50:07

Lowest Band Edge / Full RB



Date: 2 AUG.2021 20:41:54

Highest Band Edge / Full RB



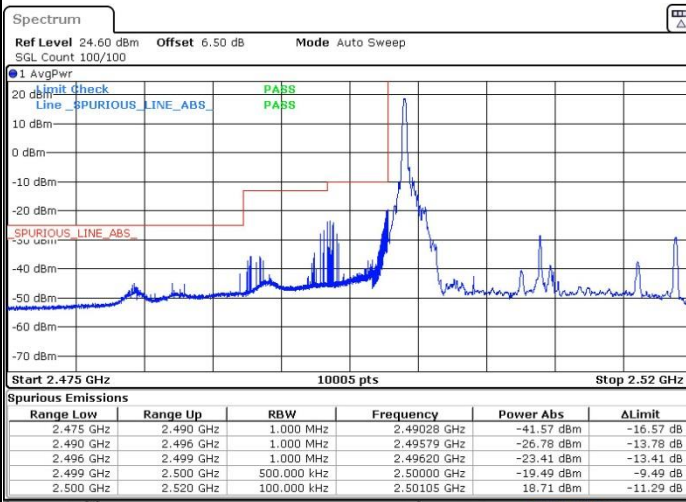
Date: 2 AUG.2021 20:49:07



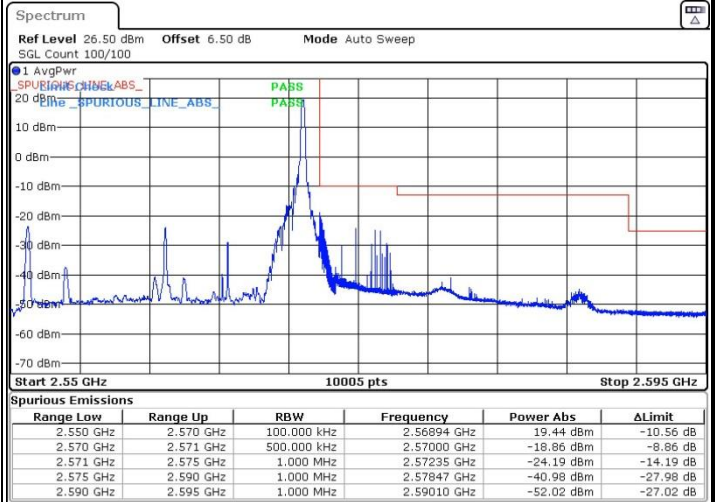
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



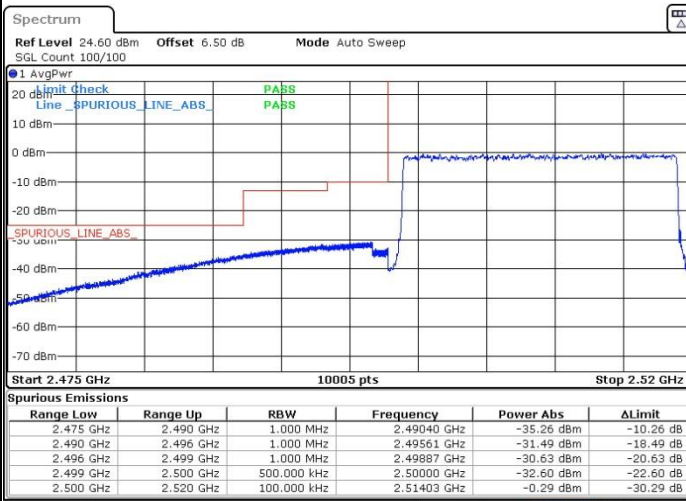
Date: 2 AUG.2021 20:42:28



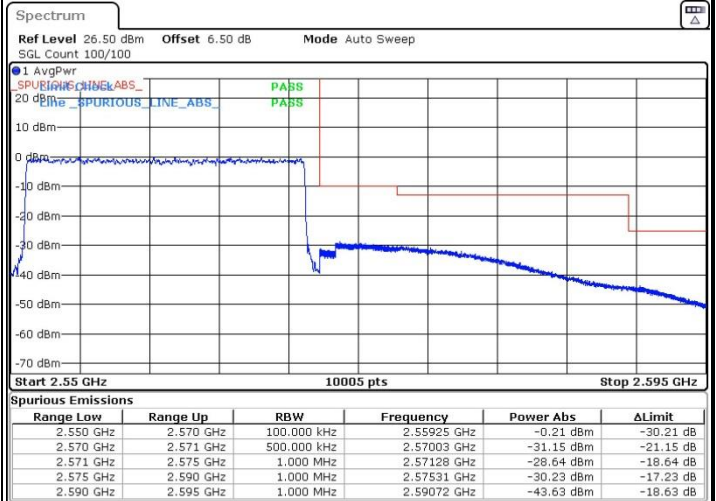
Date: 2 AUG.2021 20:49:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



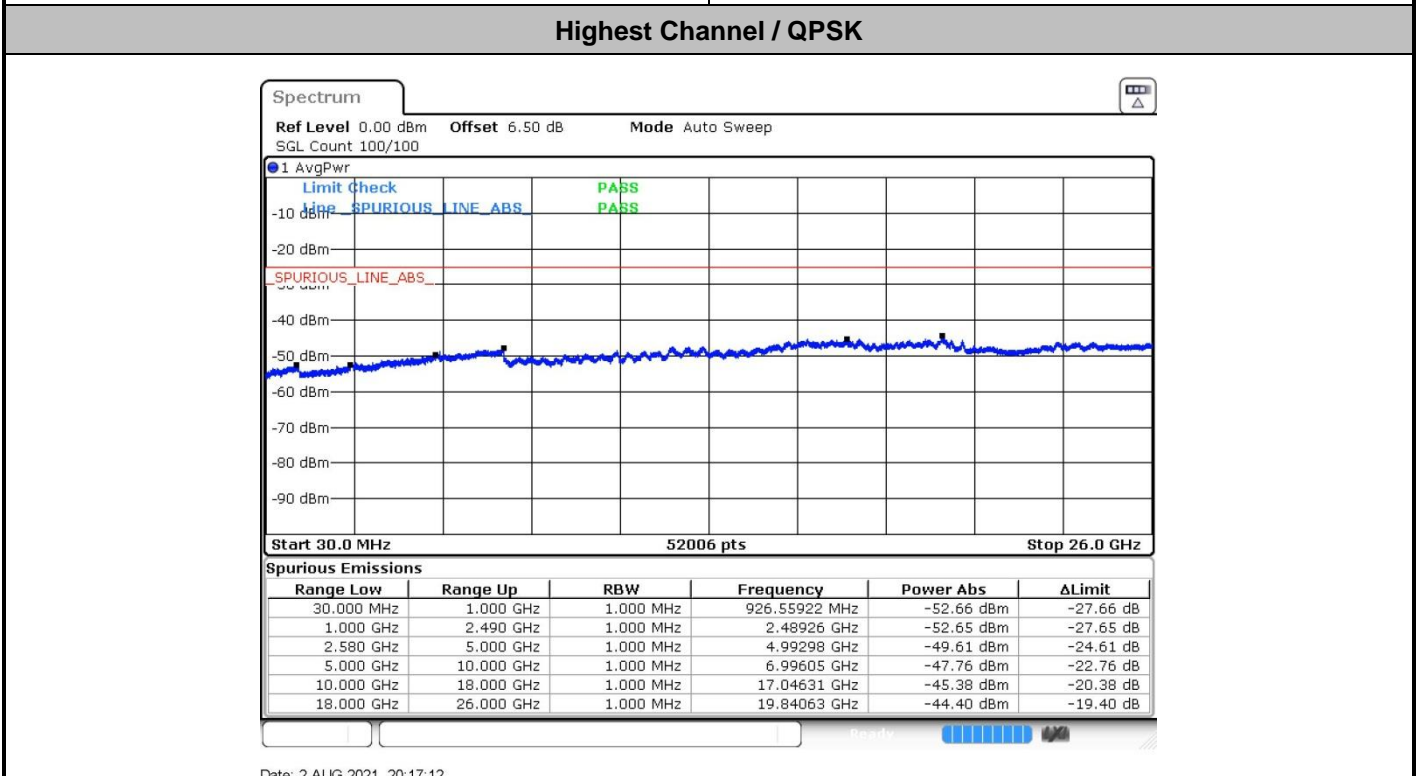
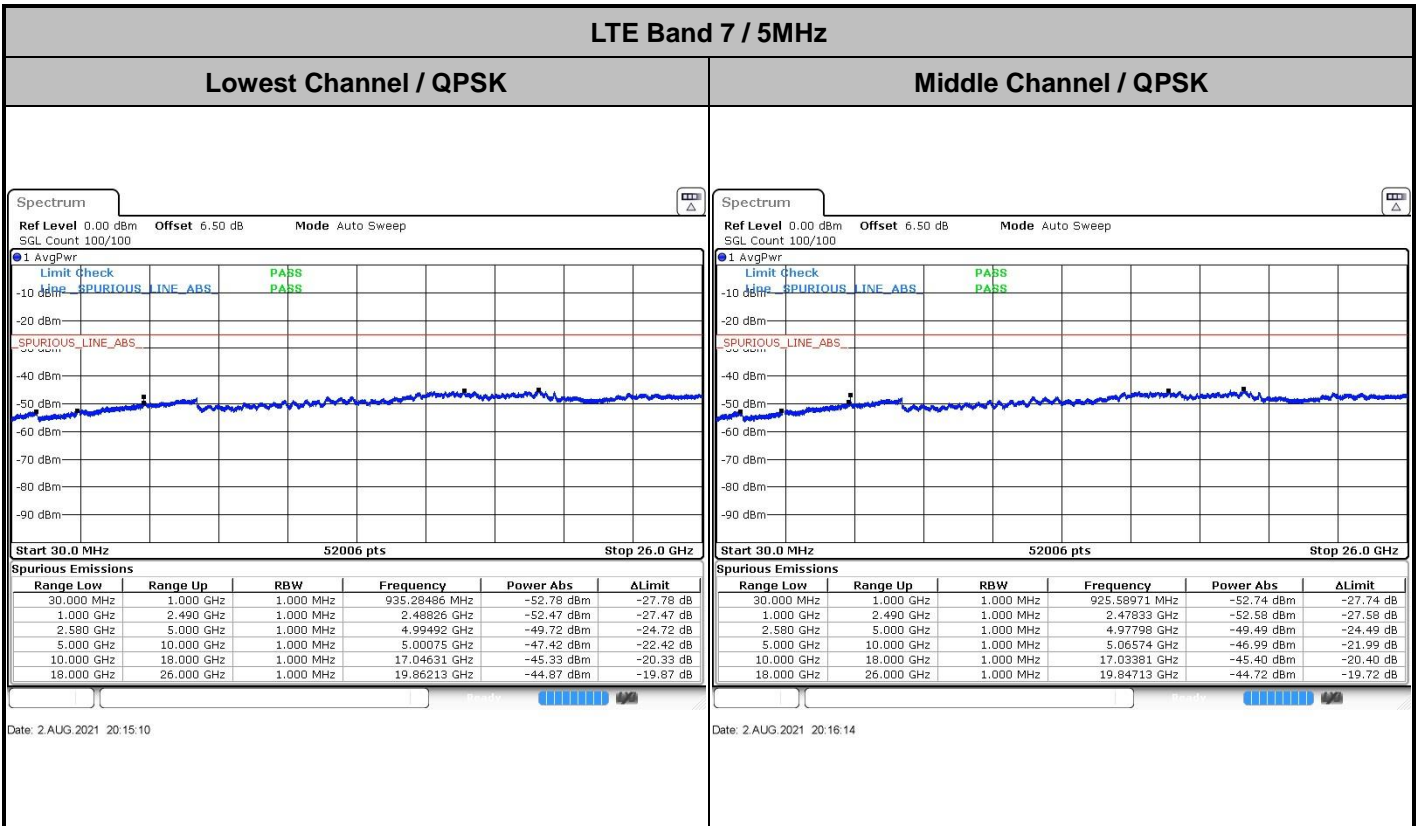
Date: 2 AUG.2021 20:42:10



Date: 2 AUG.2021 20:49:24



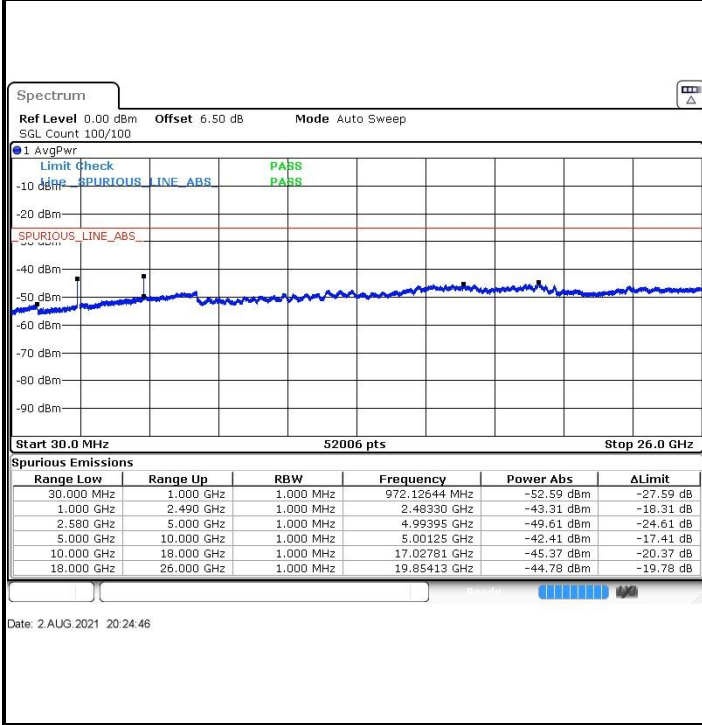
Conducted Spurious Emission





LTE Band 7 / 10MHz

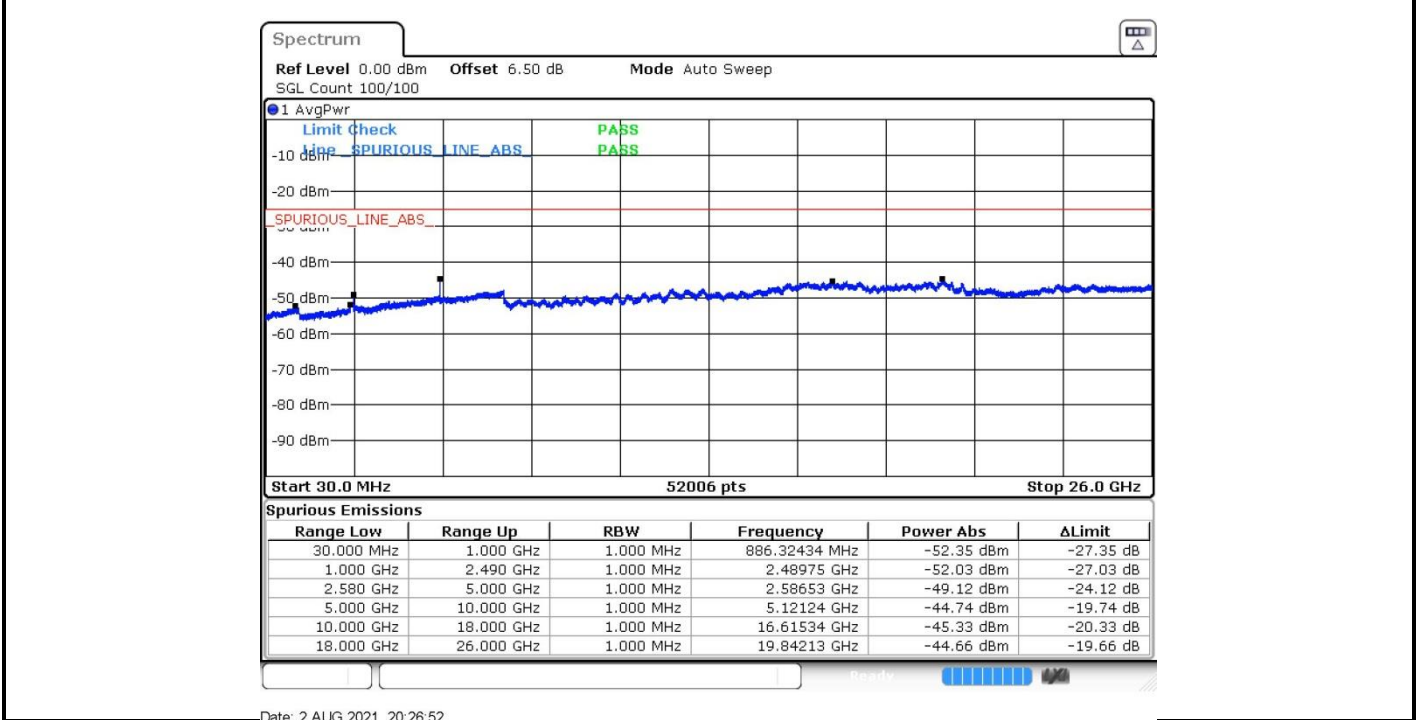
Lowest Channel / QPSK



Middle Channel / QPSK



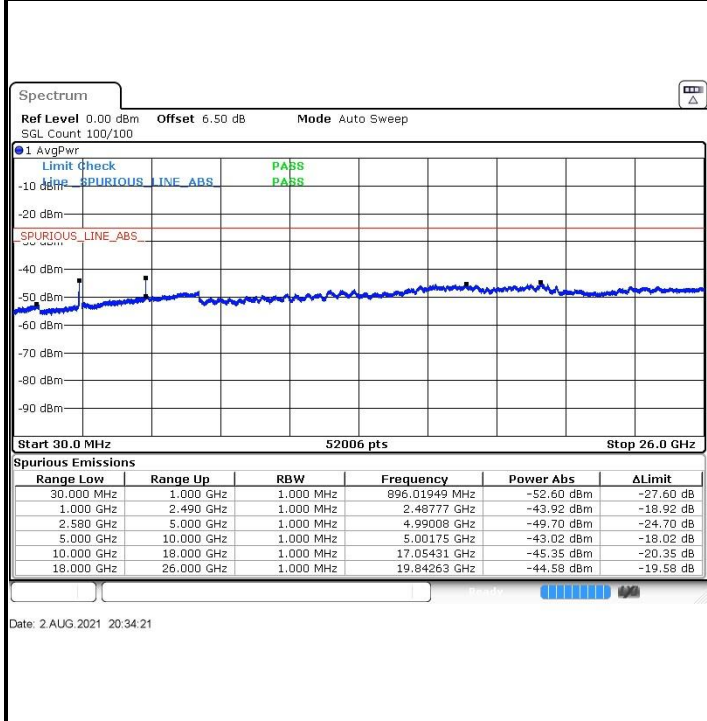
Highest Channel / QPSK



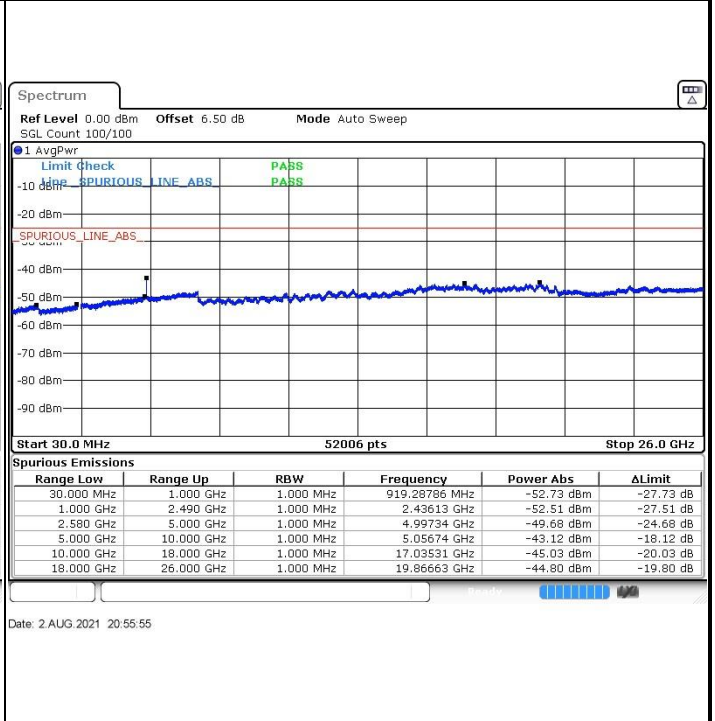


LTE Band 7 / 15MHz

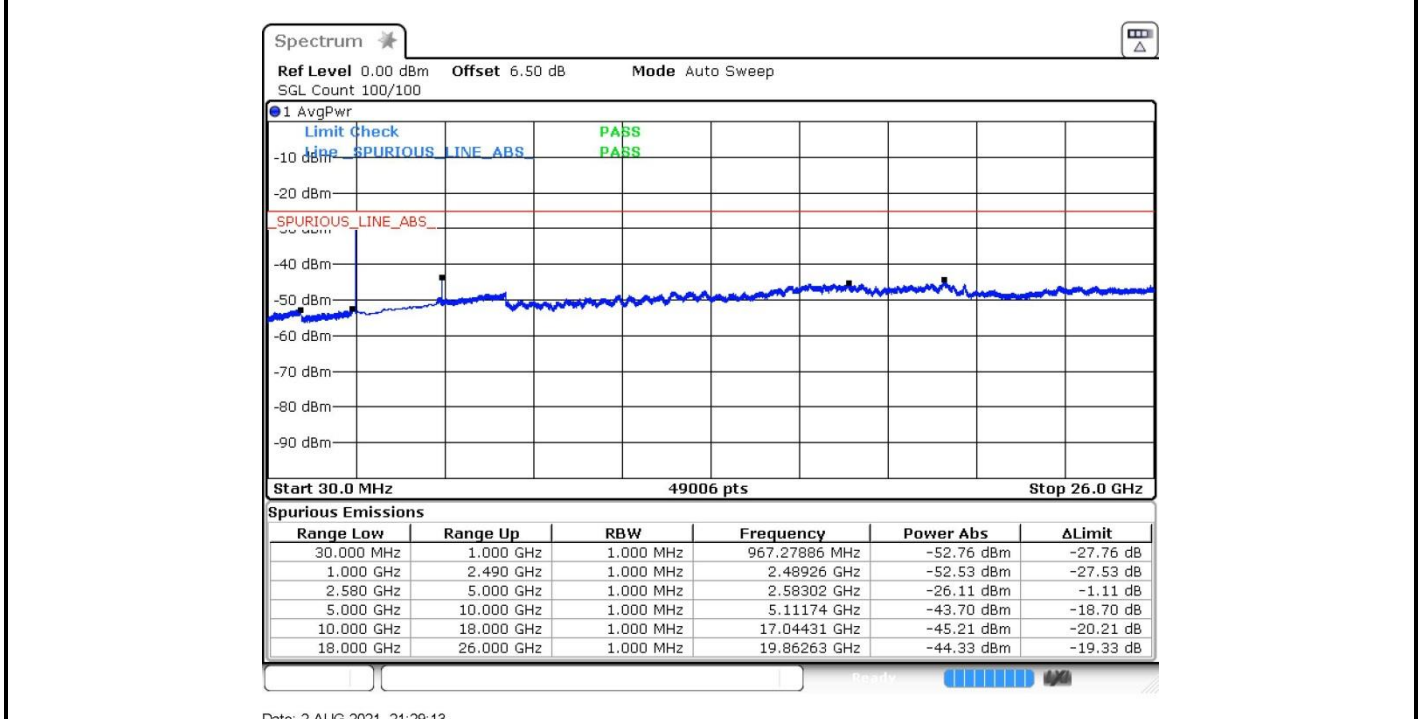
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

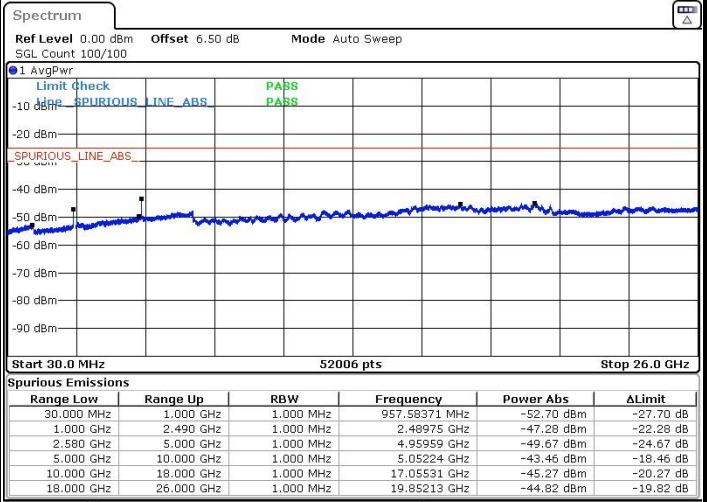
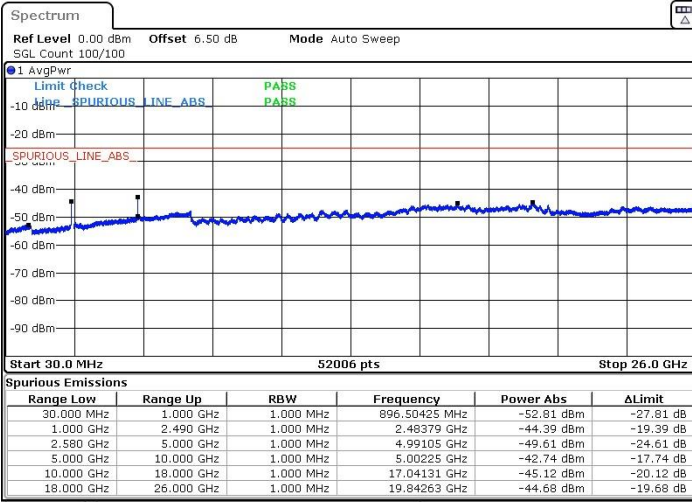




LTE Band 7 / 20MHz

Lowest Channel / QPSK

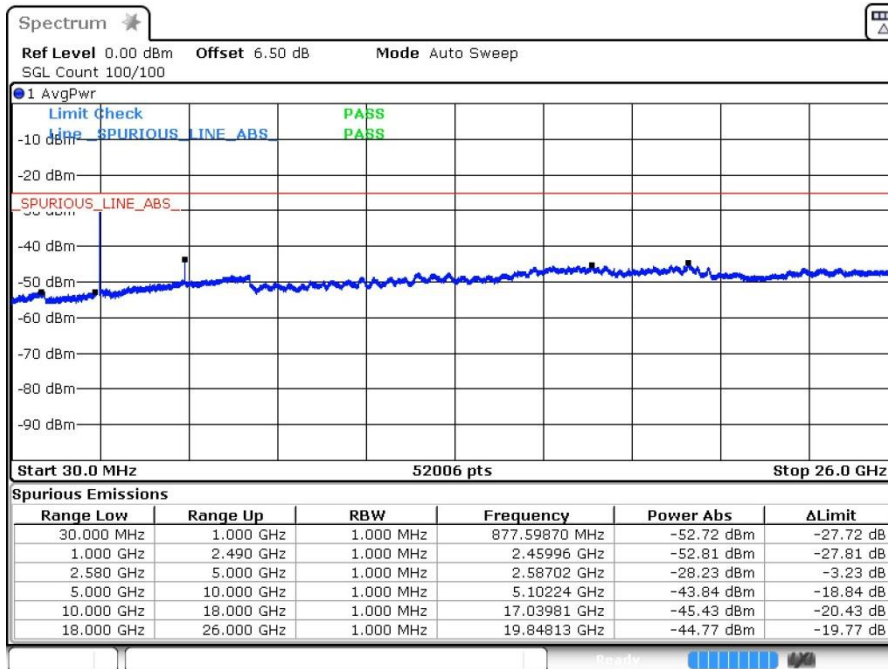
Middle Channel / QPSK



Date: 2 AUG 2021 20:43:51

Date: 2 AUG 2021 20:47:05

Highest Channel / QPSK



Date: 2 AUG 2021 20:51:54



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 | 0.00121 | PASS |
| 40 | Normal Voltage | 0.0008 | |
| 30 | Normal Voltage | 0.0012 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0006 | |
| 0 | Normal Voltage | 0.0005 | |
| -10 | Normal Voltage | 0.0015 | |
| -20 | Normal Voltage | 0.0006 | |
| -30 | Normal Voltage | 0.0015 | |
| 20 | Maximum Voltage | 0.0005 | |
| 20 | Normal Voltage | 0.0016 | |
| 20 | Battery End Point | 0.0007 | |

Note:

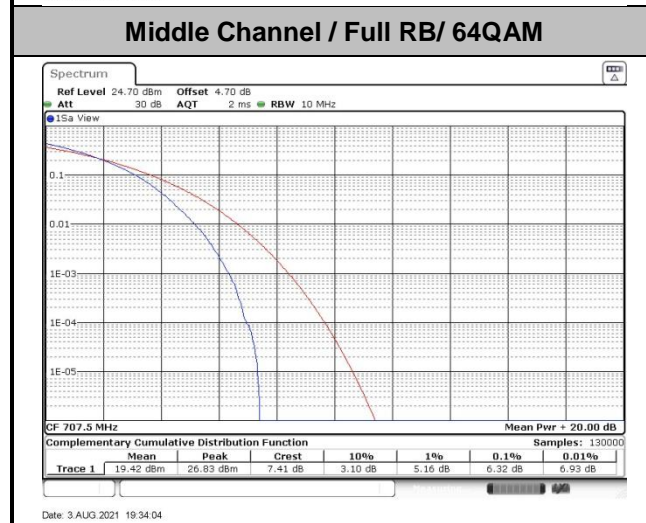
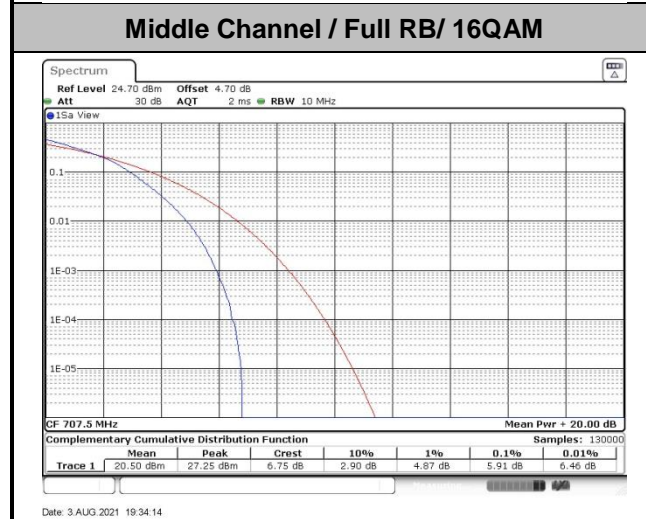
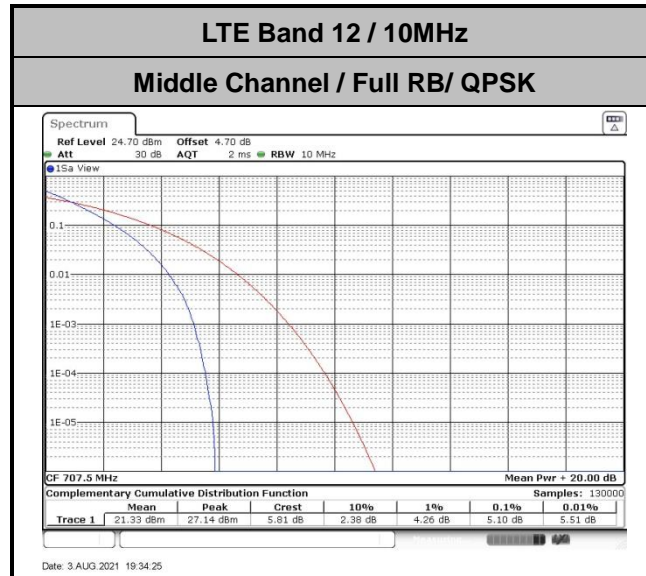
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

Peak-to-Average Ratio

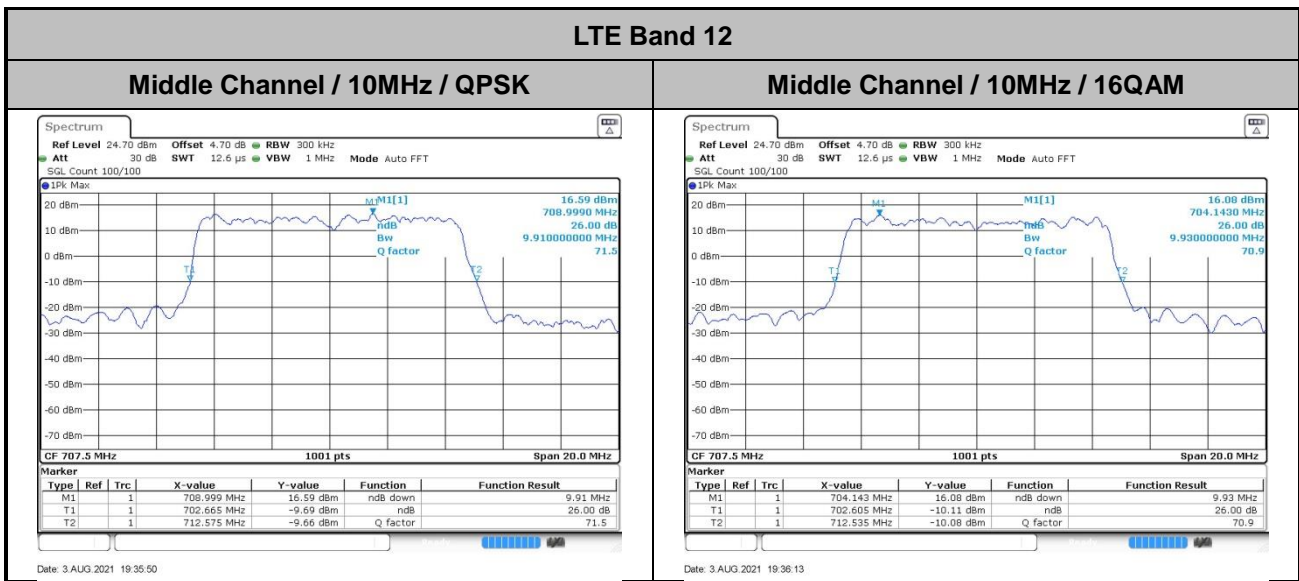
| Mode | LTE Band 12 / 10MHz | | | |
|-----------|---------------------|---------|---------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Result |
| Middle CH | 5.10 | 5.91 | 6.32 | PASS |





26dB Bandwidth

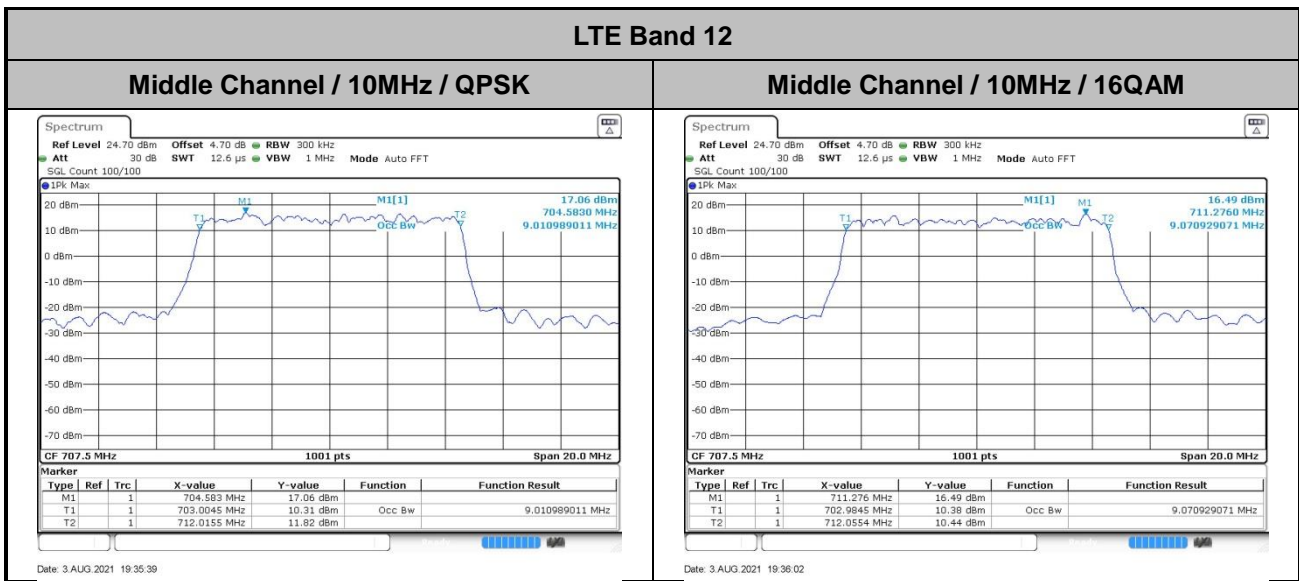
| | | |
|-----------|----------------------------|-------|
| Mode | LTE Band 12 : 26dB BW(MHz) | |
| BW | 10MHz | |
| Mod. | QPSK | 16QAM |
| Middle CH | 9.91 | 9.93 |





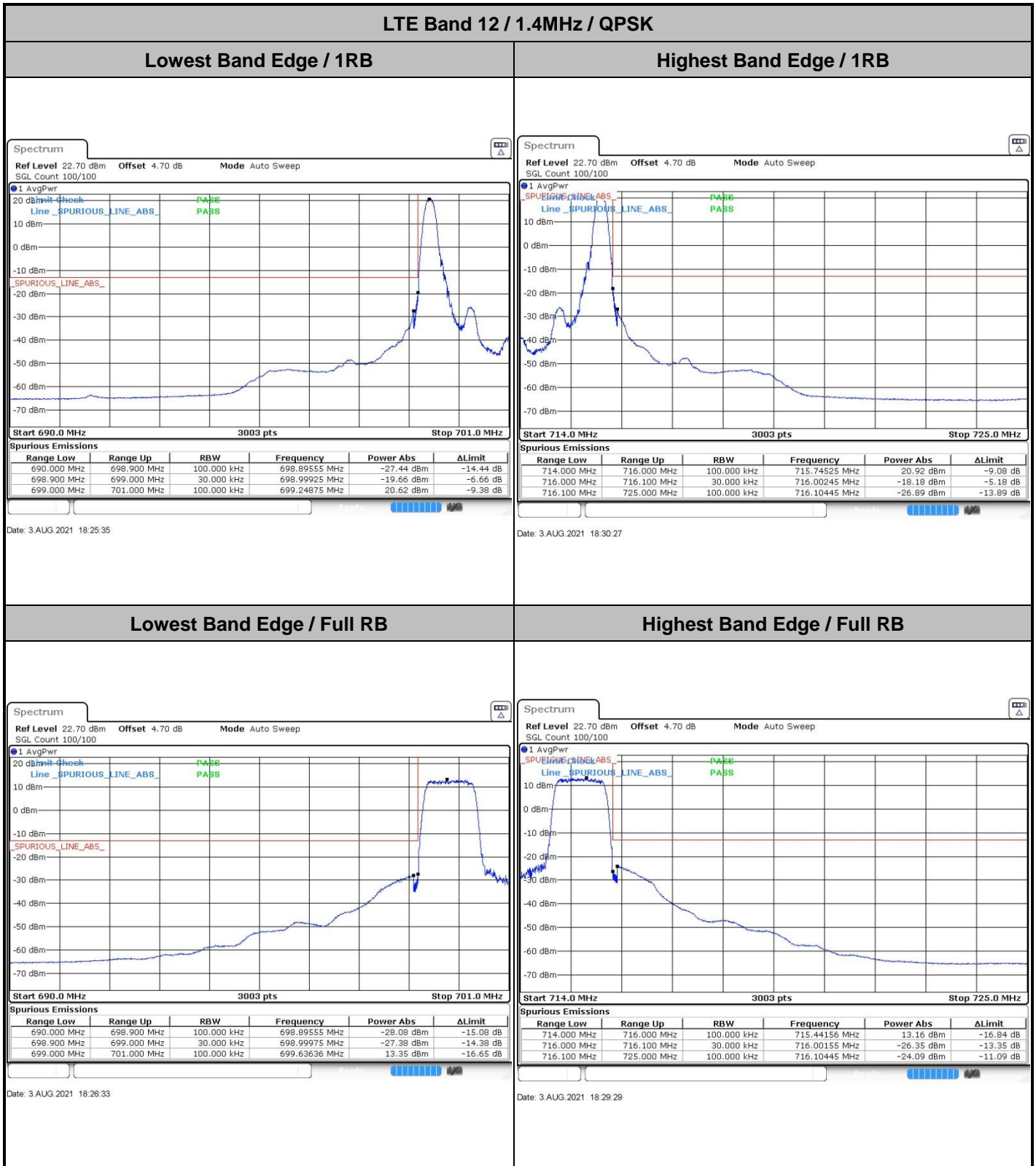
Occupied Bandwidth

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





Conducted Band Edge





LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 3 AUG.2021 18:24:37

Date: 3 AUG.2021 18:31:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3 AUG.2021 18:27:32

Date: 3 AUG.2021 18:28:30



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 3 AUG.2021 19:18:51

Highest Band Edge / 1 RB



Date: 3 AUG.2021 19:16:54

Lowest Band Edge / Full RB



Date: 3 AUG.2021 19:19:49

Highest Band Edge / Full RB



Date: 3 AUG.2021 19:17:52