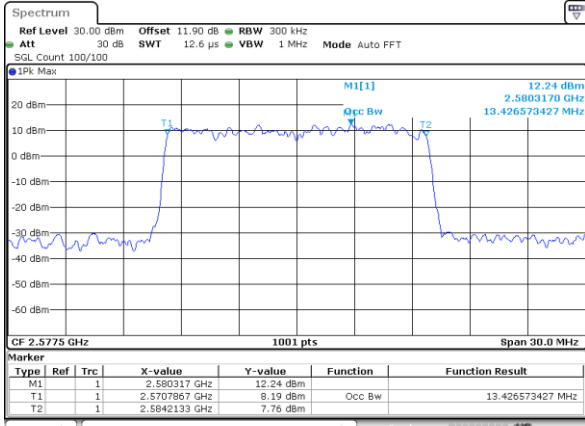




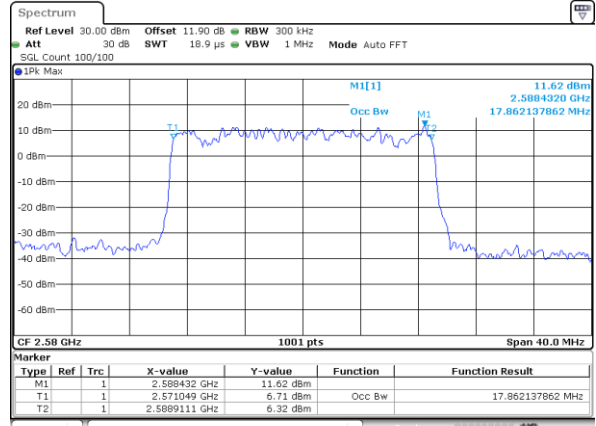
LTE Band 38

Lowest Channel / 15MHz / 64QAM



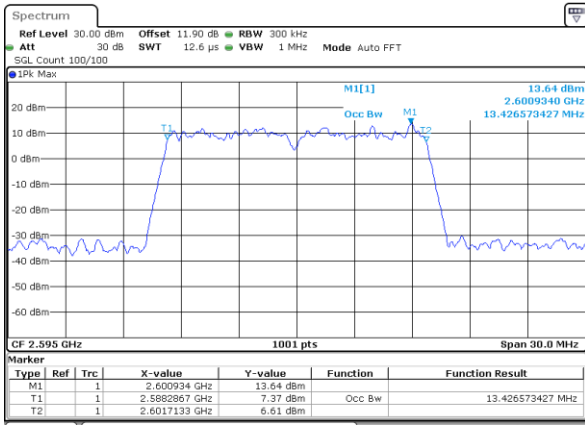
Date: 4.FEB.2020 11:46:58

Lowest Channel / 20MHz / 64QAM



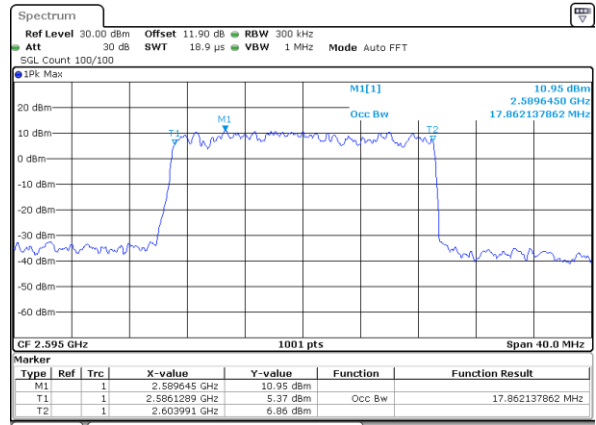
Date: 4.FEB.2020 11:48:21

Middle Channel / 15MHz / 64QAM



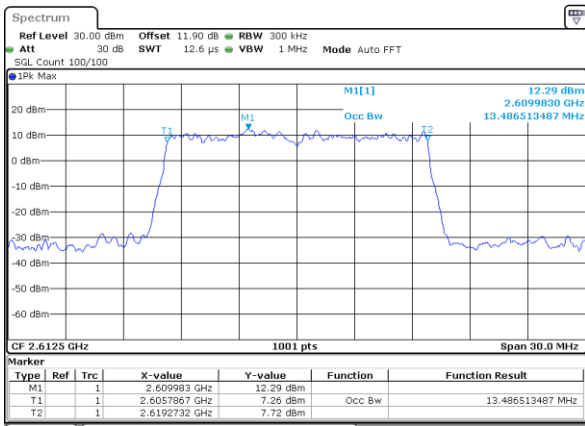
Date: 4.FEB.2020 11:47:26

Middle Channel / 20MHz / 64QAM



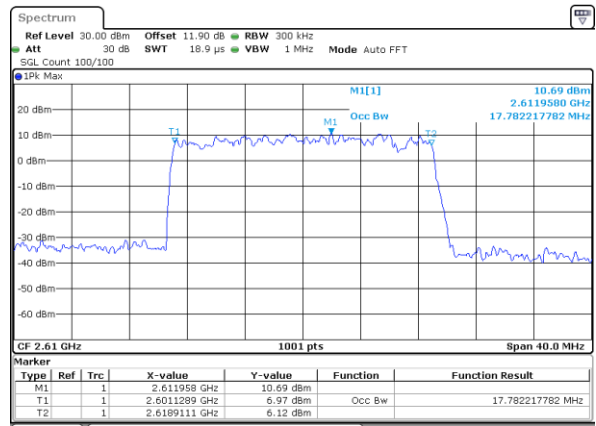
Date: 4.FEB.2020 11:48:48

Highest Channel / 15MHz / 64QAM



Date: 4.FEB.2020 11:47:52

Highest Channel / 20MHz / 64QAM



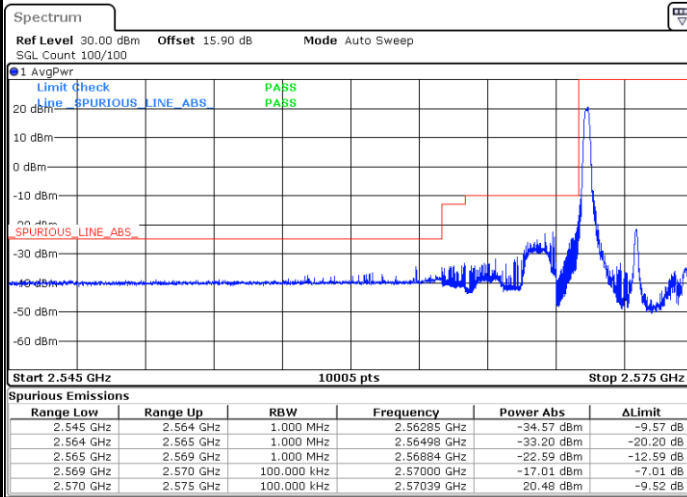
Date: 4.FEB.2020 11:49:14



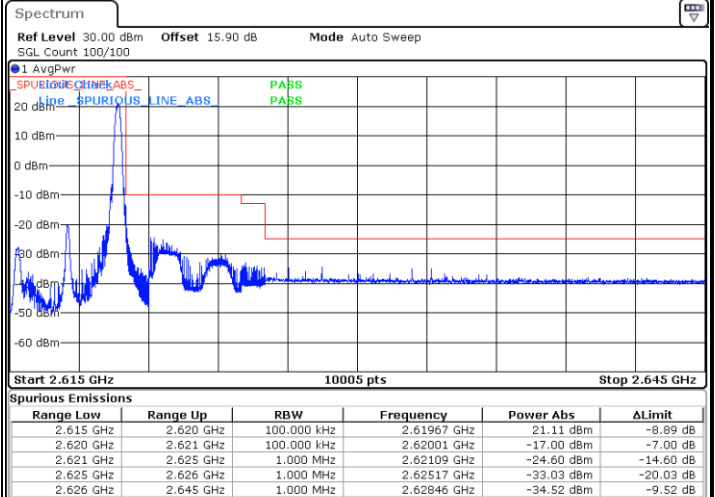
Conducted Band Edge

LTE Band 38 / 5MHz / QPSK

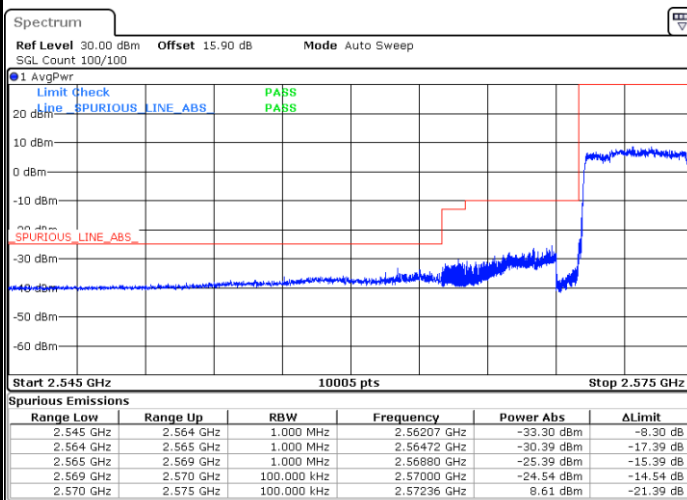
Lowest Band Edge / 1 RB



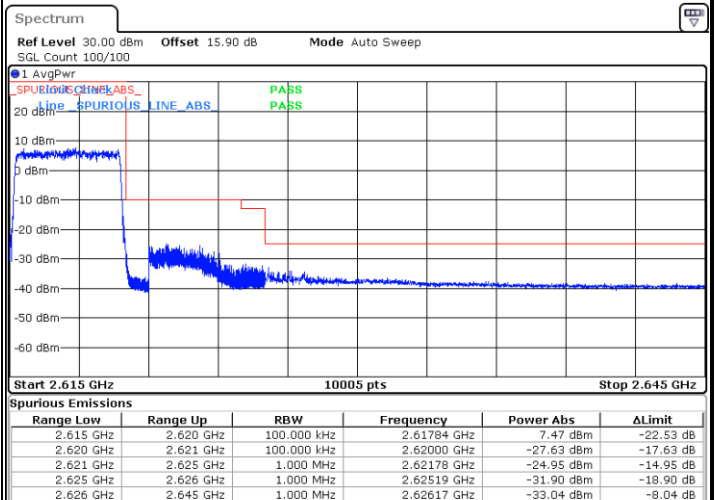
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



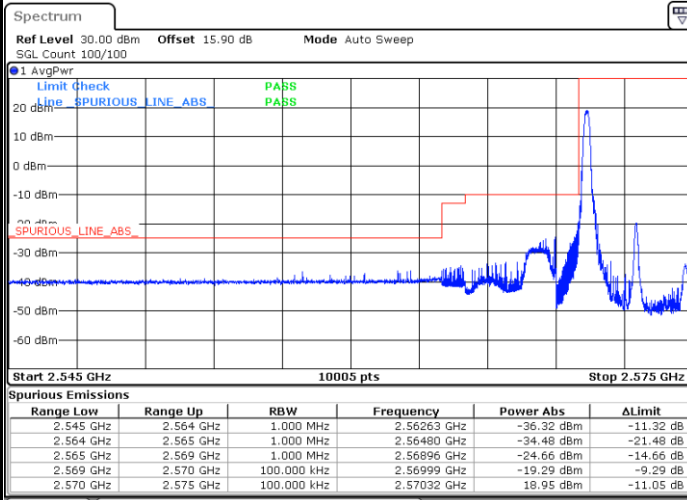
Highest Band Edge / Full RB





LTE Band 38 / 5MHz / 16QAM

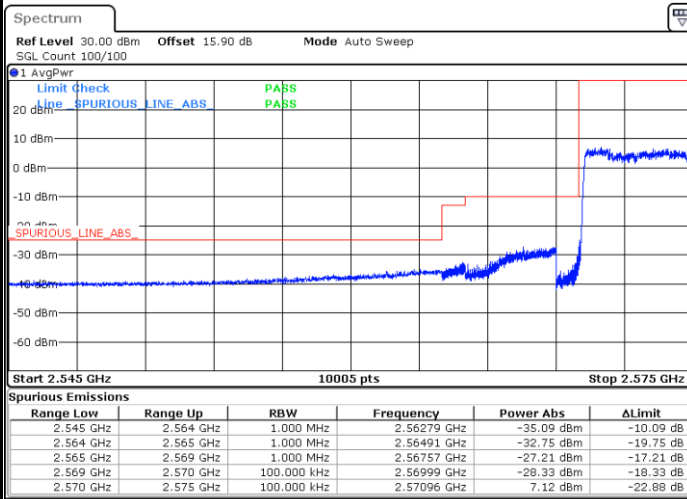
Lowest Band Edge / 1RB



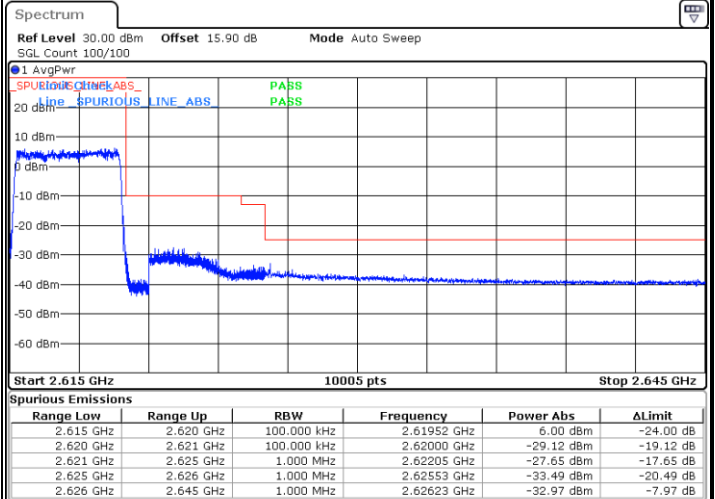
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



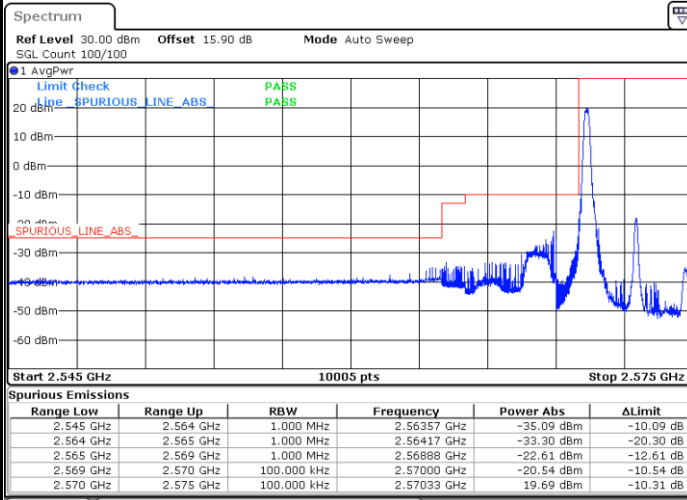
Highest Band Edge / Full RB





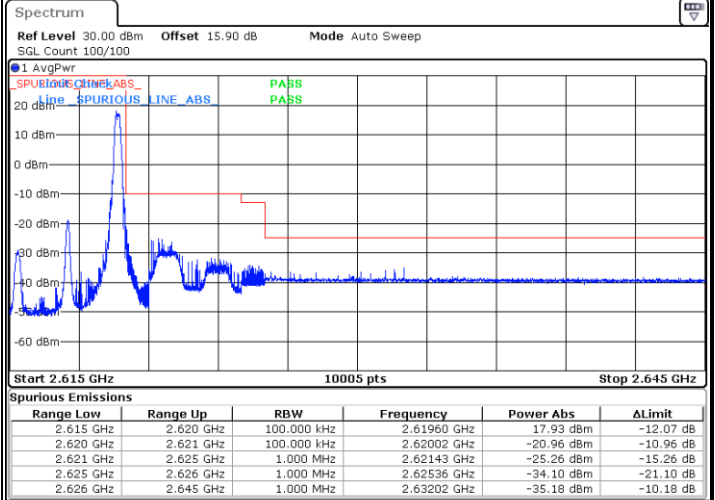
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



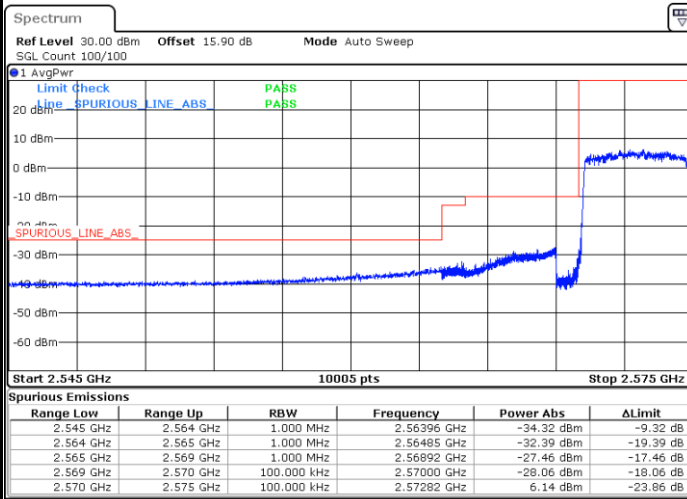
Date: 4.FEB.2020 09:34:12

Highest Band Edge / 1 RB



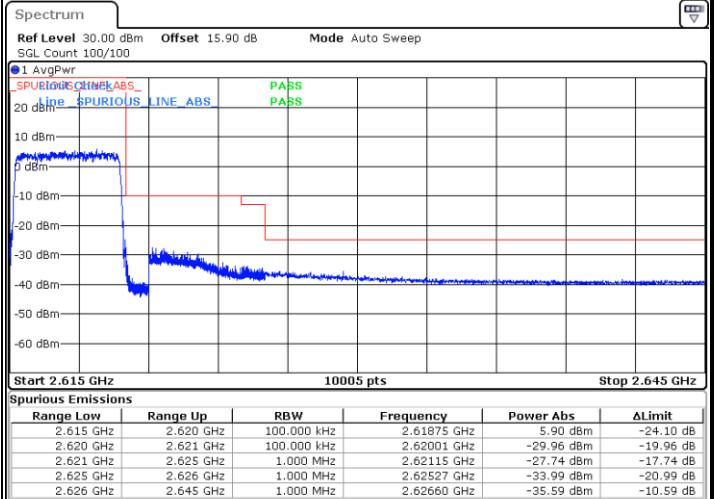
Date: 4.FEB.2020 09:37:46

Lowest Band Edge / Full RB



Date: 4.FEB.2020 09:35:23

Highest Band Edge / Full RB



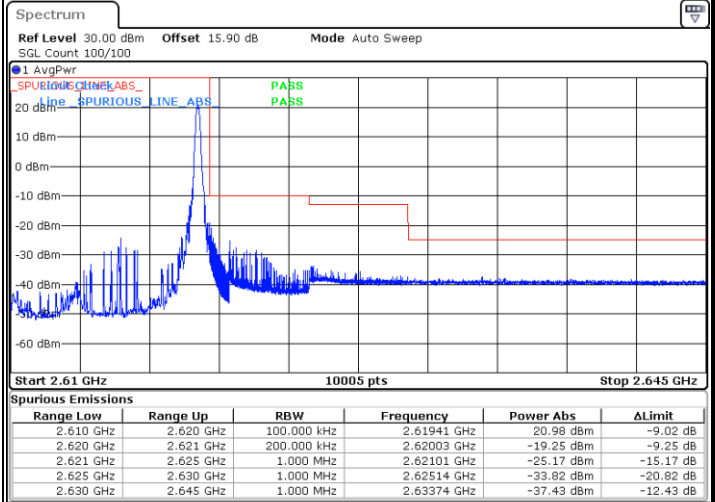
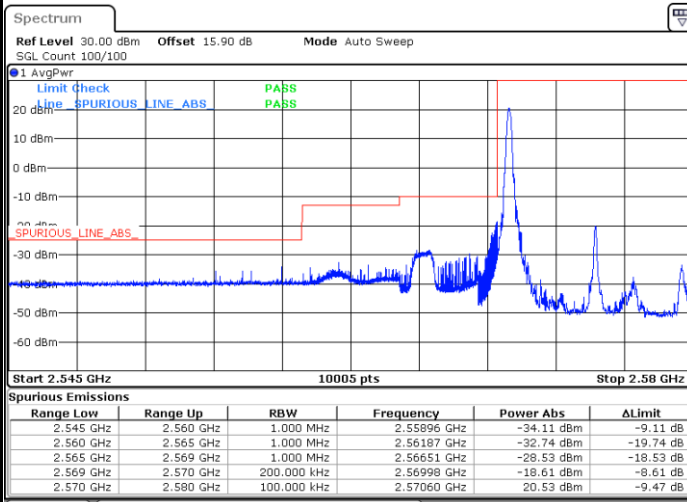
Date: 4.FEB.2020 09:36:34



LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

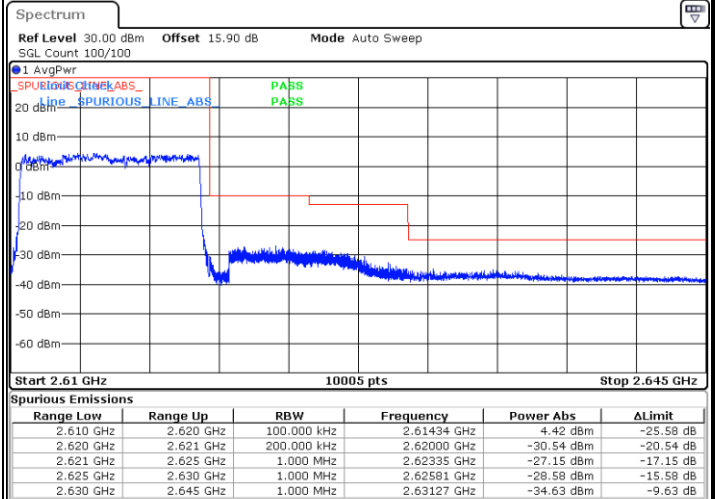
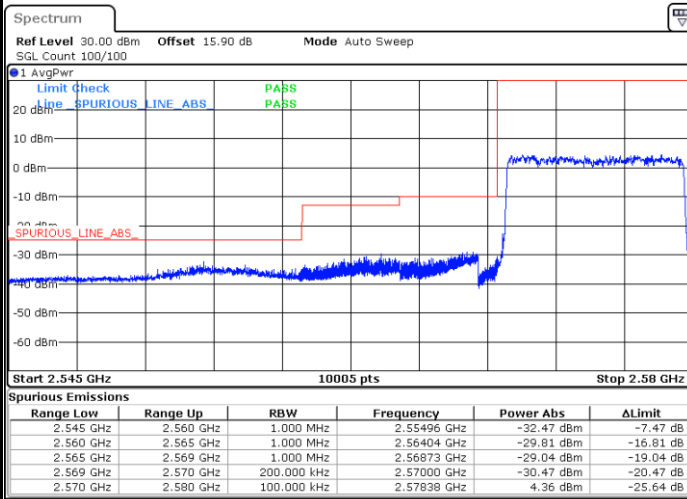


Date: 4.FEB.2020 09:43:43

Date: 4.FEB.2020 09:50:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



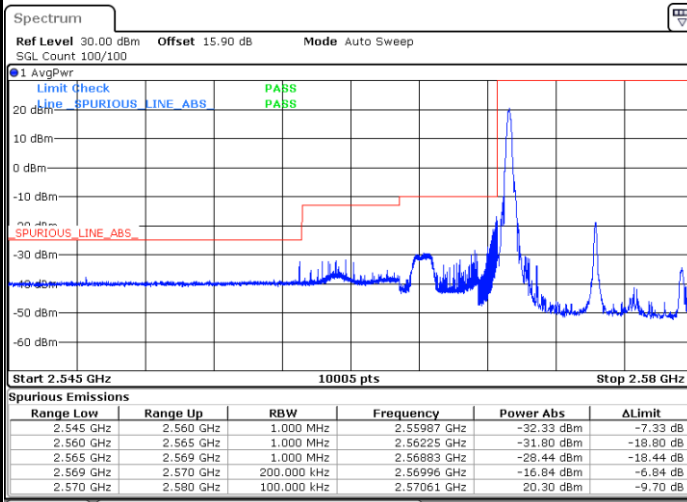
Date: 4.FEB.2020 09:46:06

Date: 4.FEB.2020 09:48:29



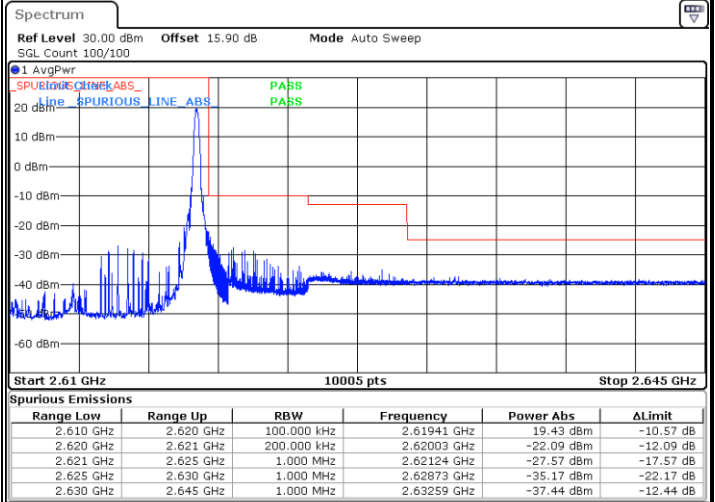
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



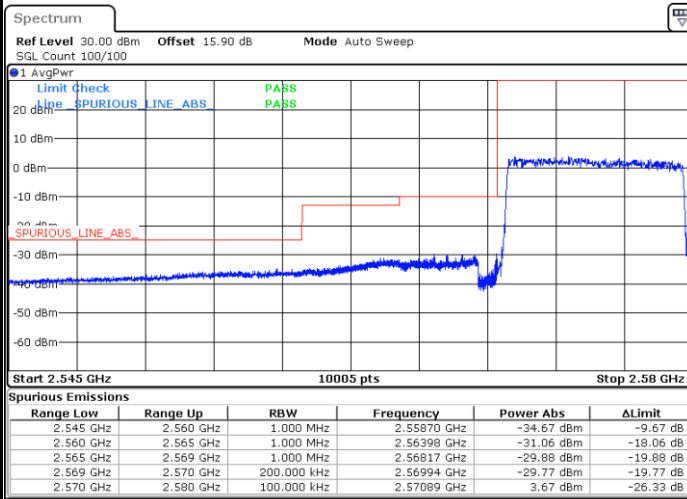
Date: 4.FEB.2020 09:44:55

Highest Band Edge / 1 RB



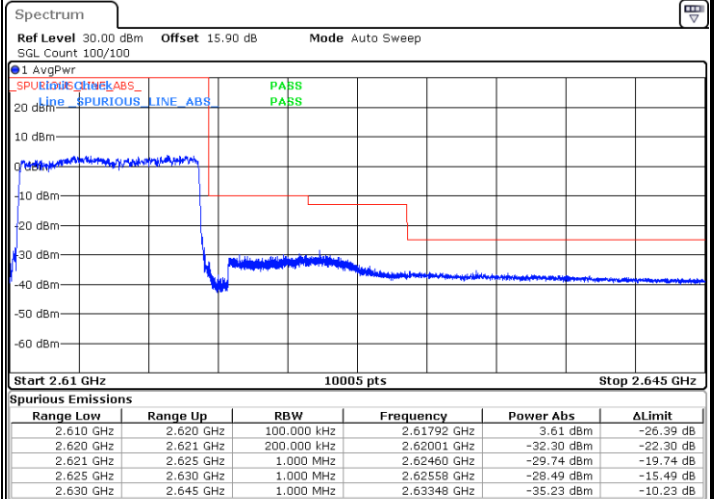
Date: 4.FEB.2020 09:52:03

Lowest Band Edge / Full RB



Date: 4.FEB.2020 09:47:18

Highest Band Edge / Full RB



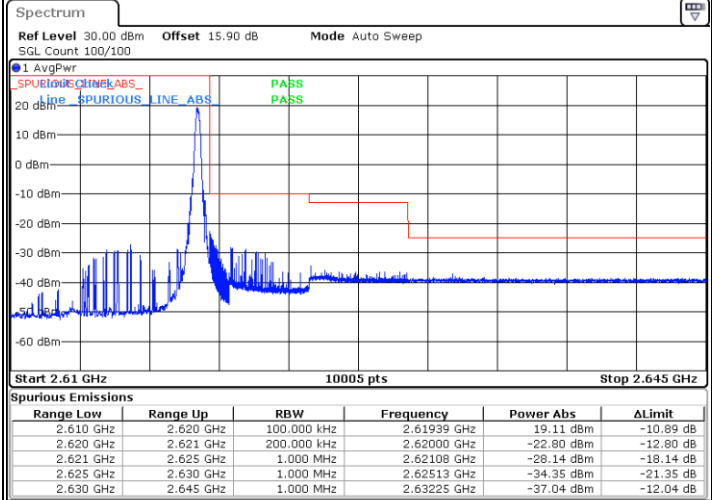
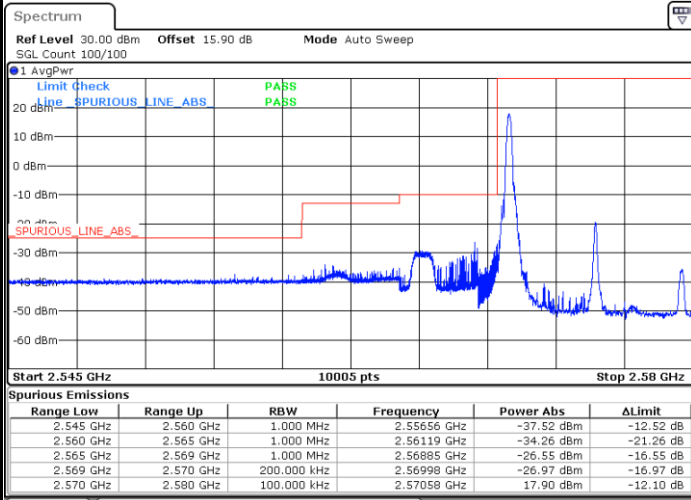
Date: 4.FEB.2020 09:49:40



LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

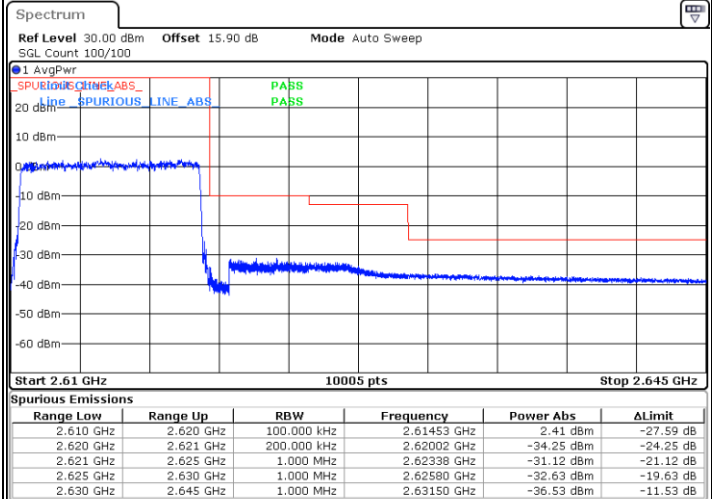
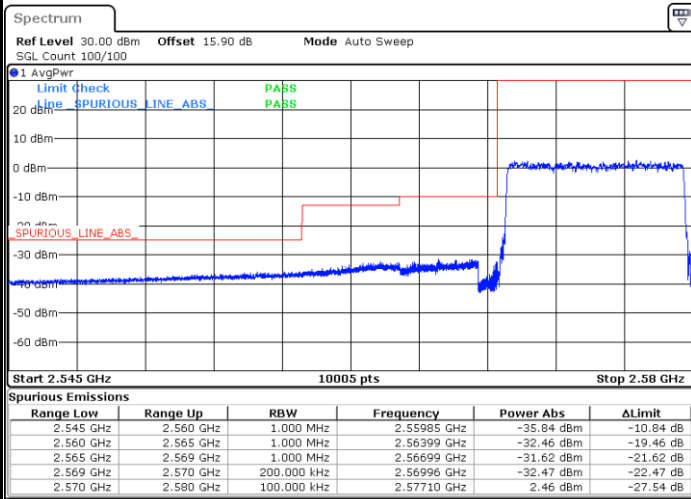


Date: 4.FEB.2020 09:38:58

Date: 4.FEB.2020 09:42:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



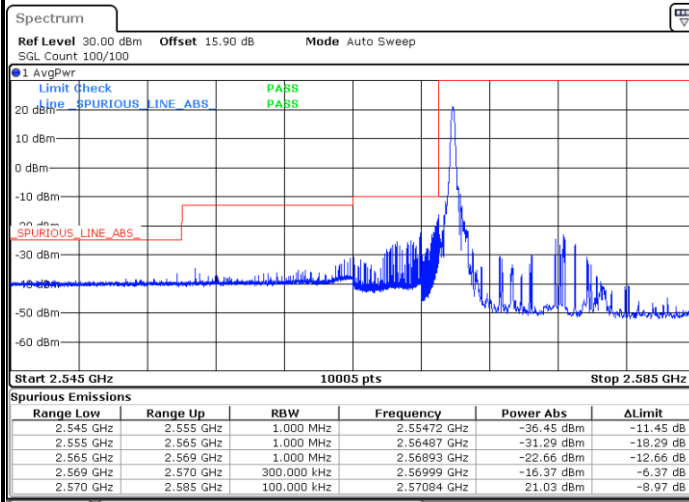
Date: 4.FEB.2020 09:40:09

Date: 4.FEB.2020 09:41:21

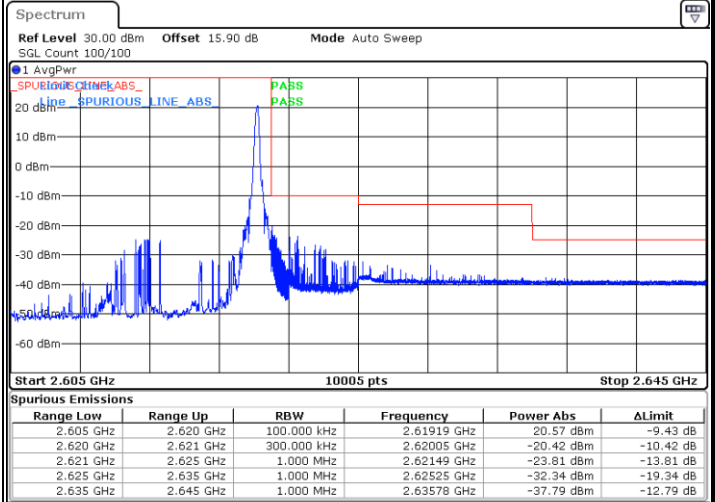


LTE Band 38 / 15MHz / QPSK

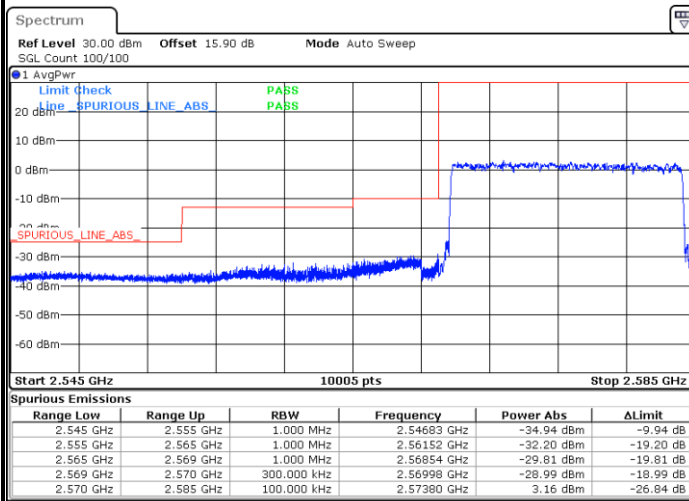
Lowest Band Edge / 1 RB



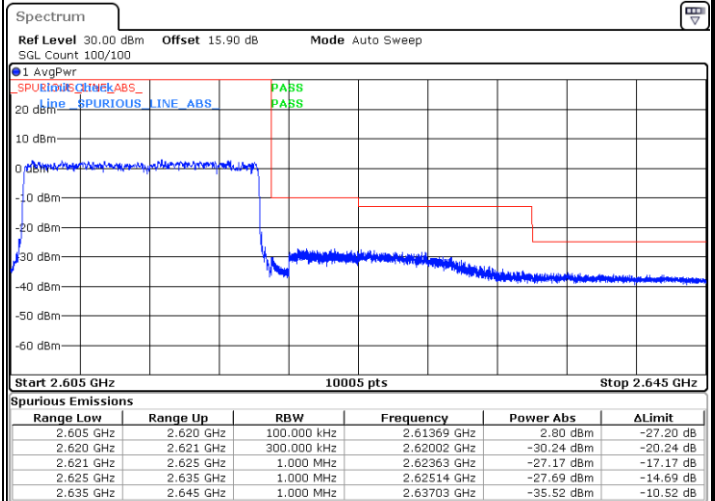
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



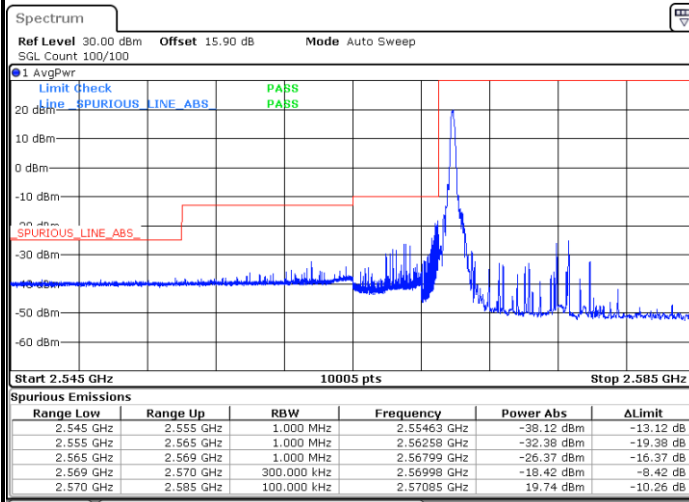
Highest Band Edge / Full RB





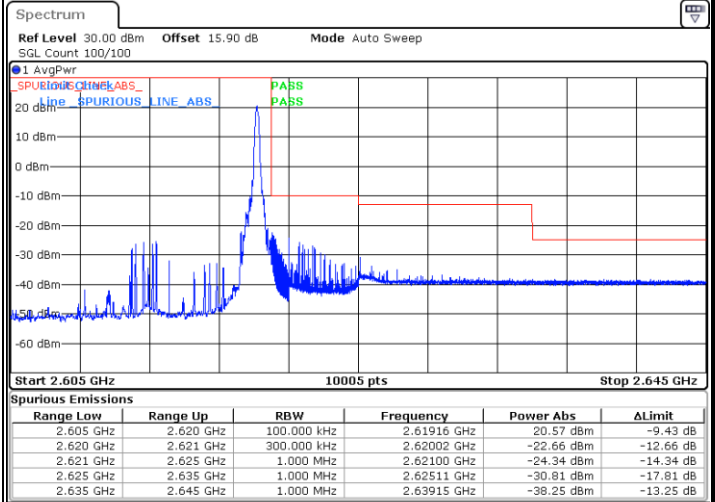
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



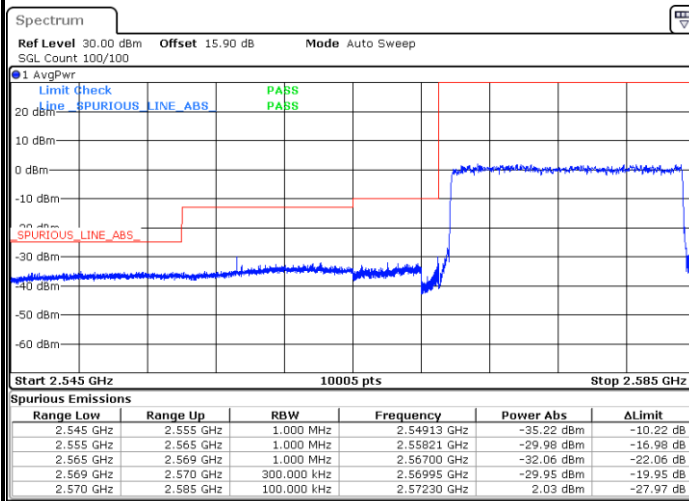
Date: 4.FEB.2020 09:54:27

Highest Band Edge / 1 RB



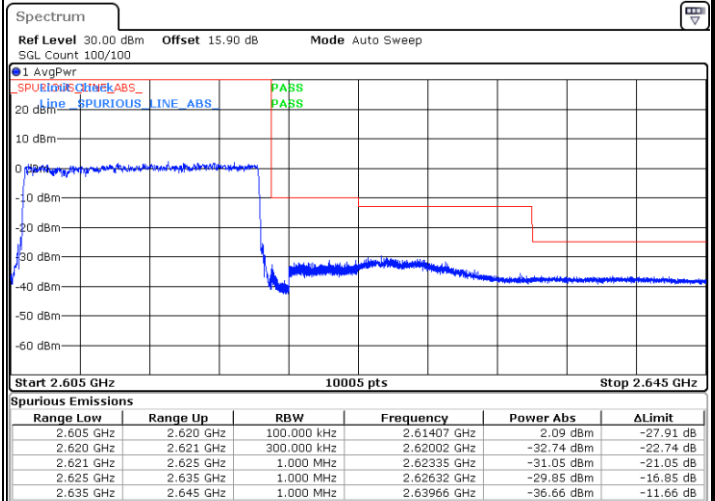
Date: 4.FEB.2020 10:01:35

Lowest Band Edge / Full RB



Date: 4.FEB.2020 09:56:49

Highest Band Edge / Full RB

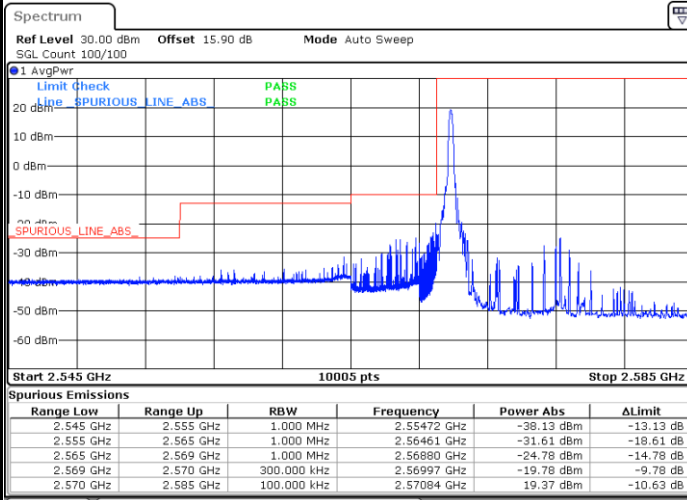


Date: 4.FEB.2020 09:59:12

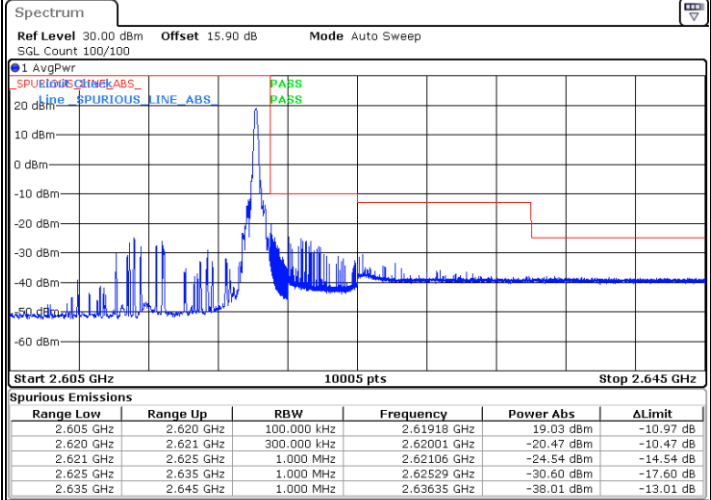


LTE Band 38 / 15MHz / 64QAM

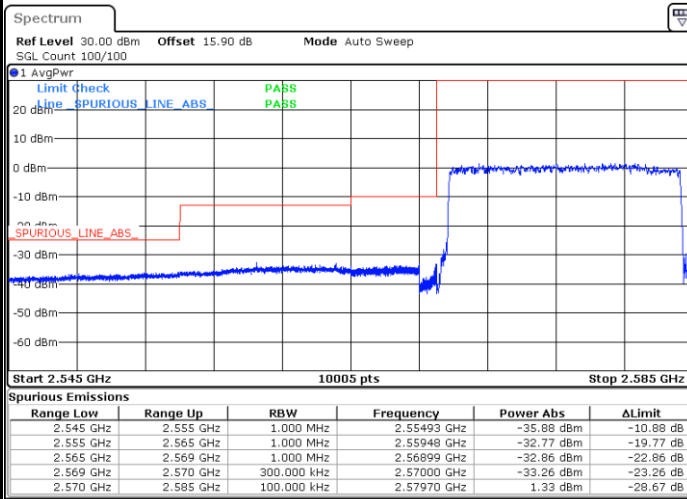
Lowest Band Edge / 1 RB



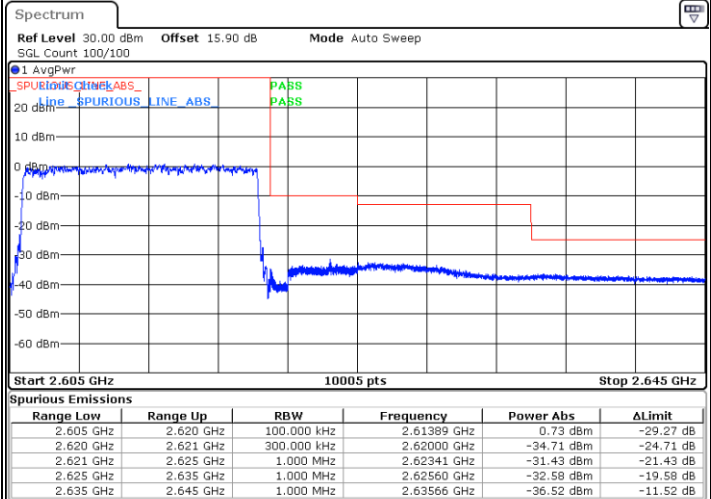
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



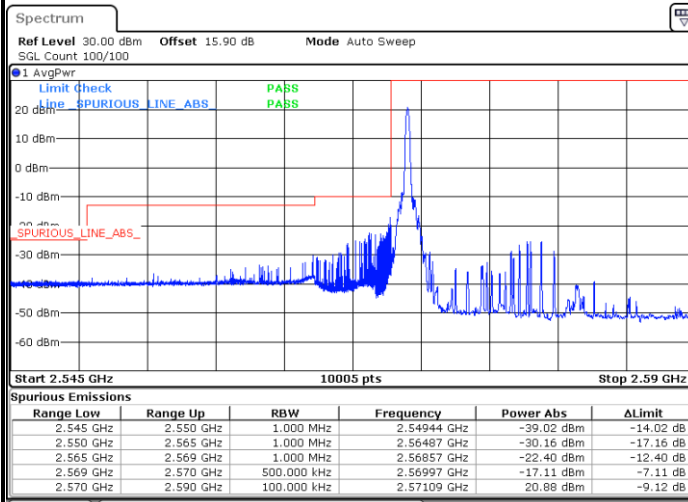
Highest Band Edge / Full RB





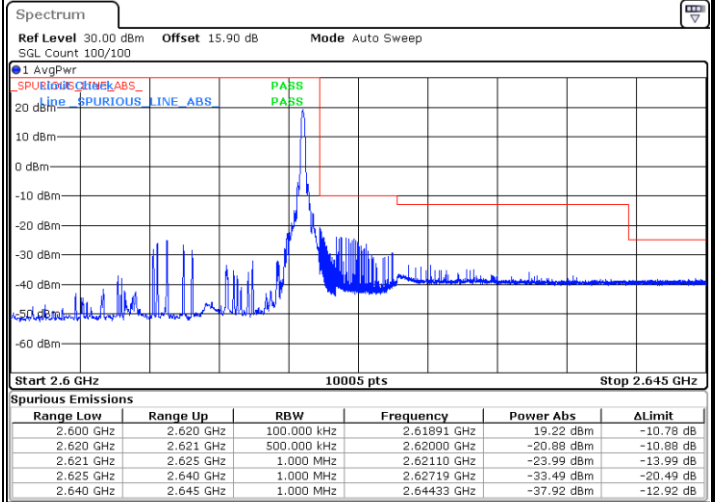
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB



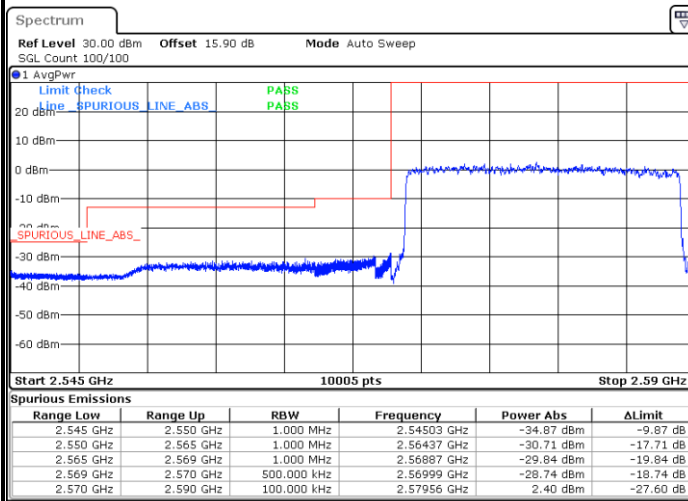
Date: 4.FEB.2020 10:07:33

Highest Band Edge / 1 RB



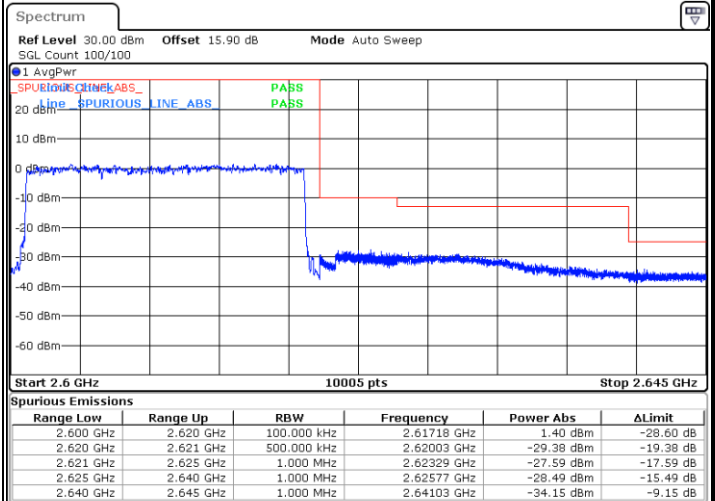
Date: 4.FEB.2020 10:14:41

Lowest Band Edge / Full RB



Date: 4.FEB.2020 10:09:55

Highest Band Edge / Full RB

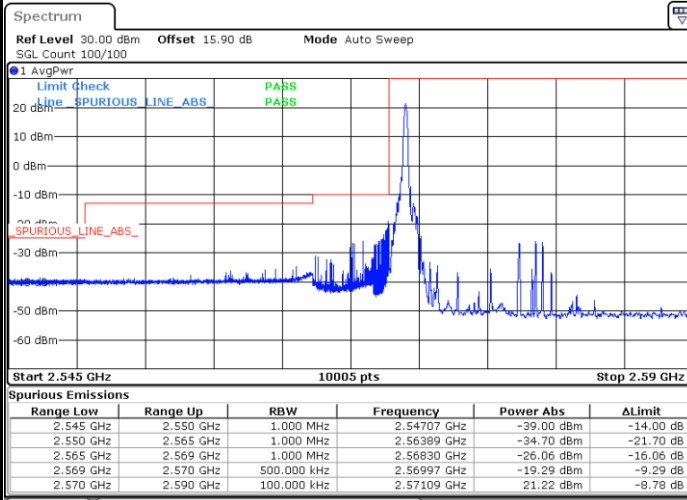


Date: 4.FEB.2020 10:12:18

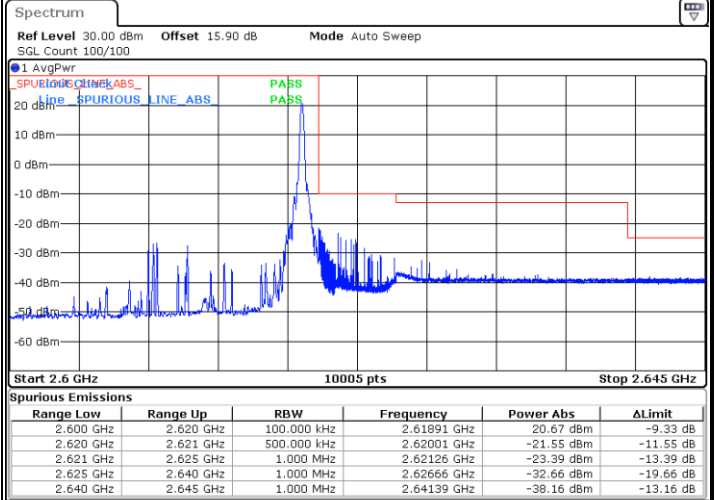


LTE Band 38 / 20MHz / 16QAM

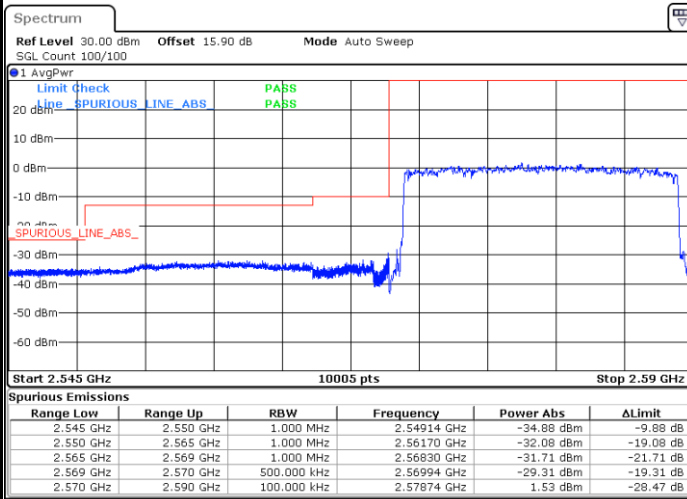
Lowest Band Edge / 1 RB



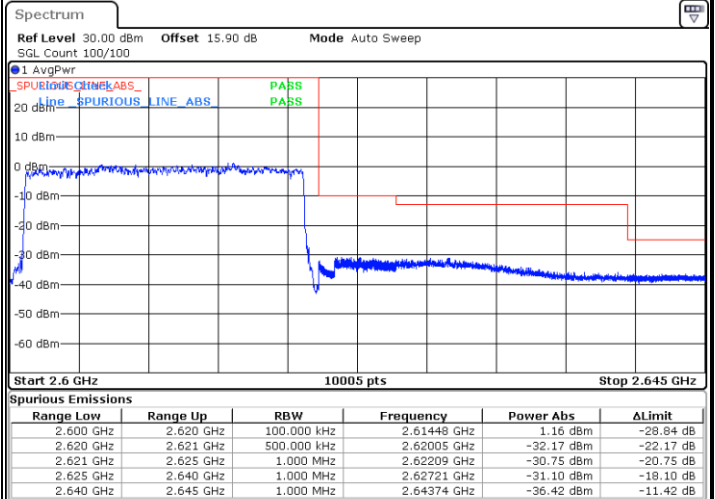
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

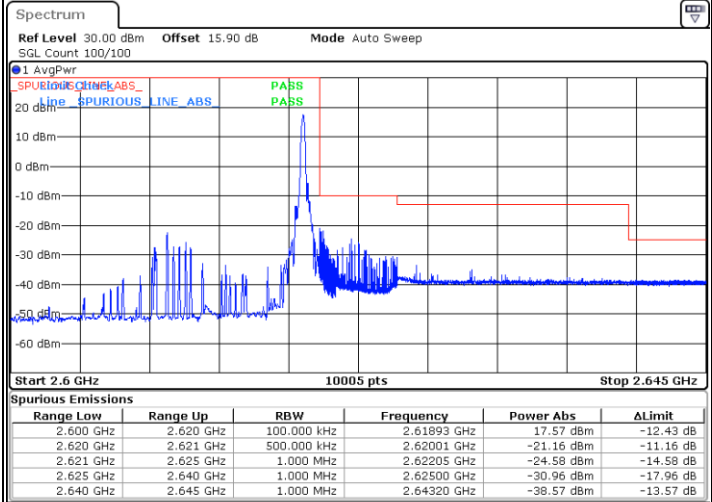
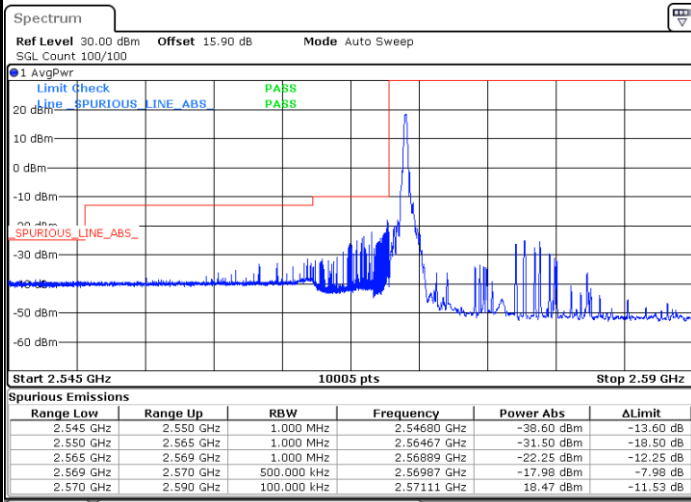




LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

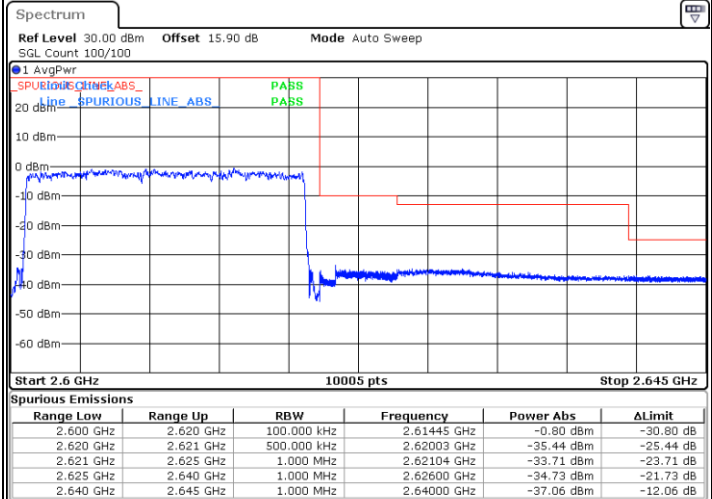
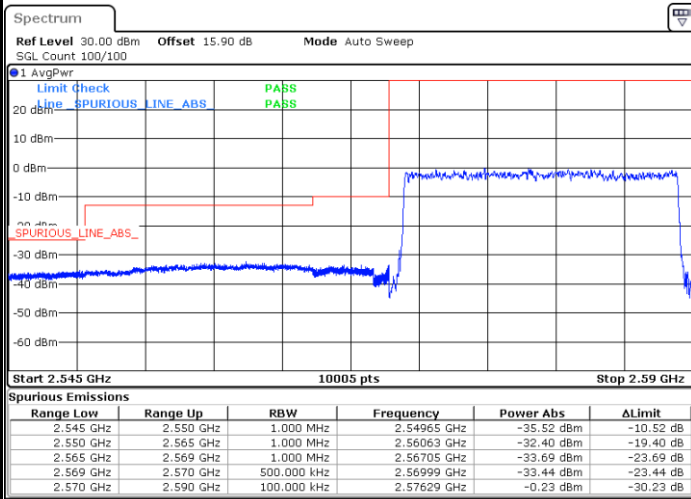


Date: 4.FEB.2020 10:17:04

Date: 4.FEB.2020 10:20:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

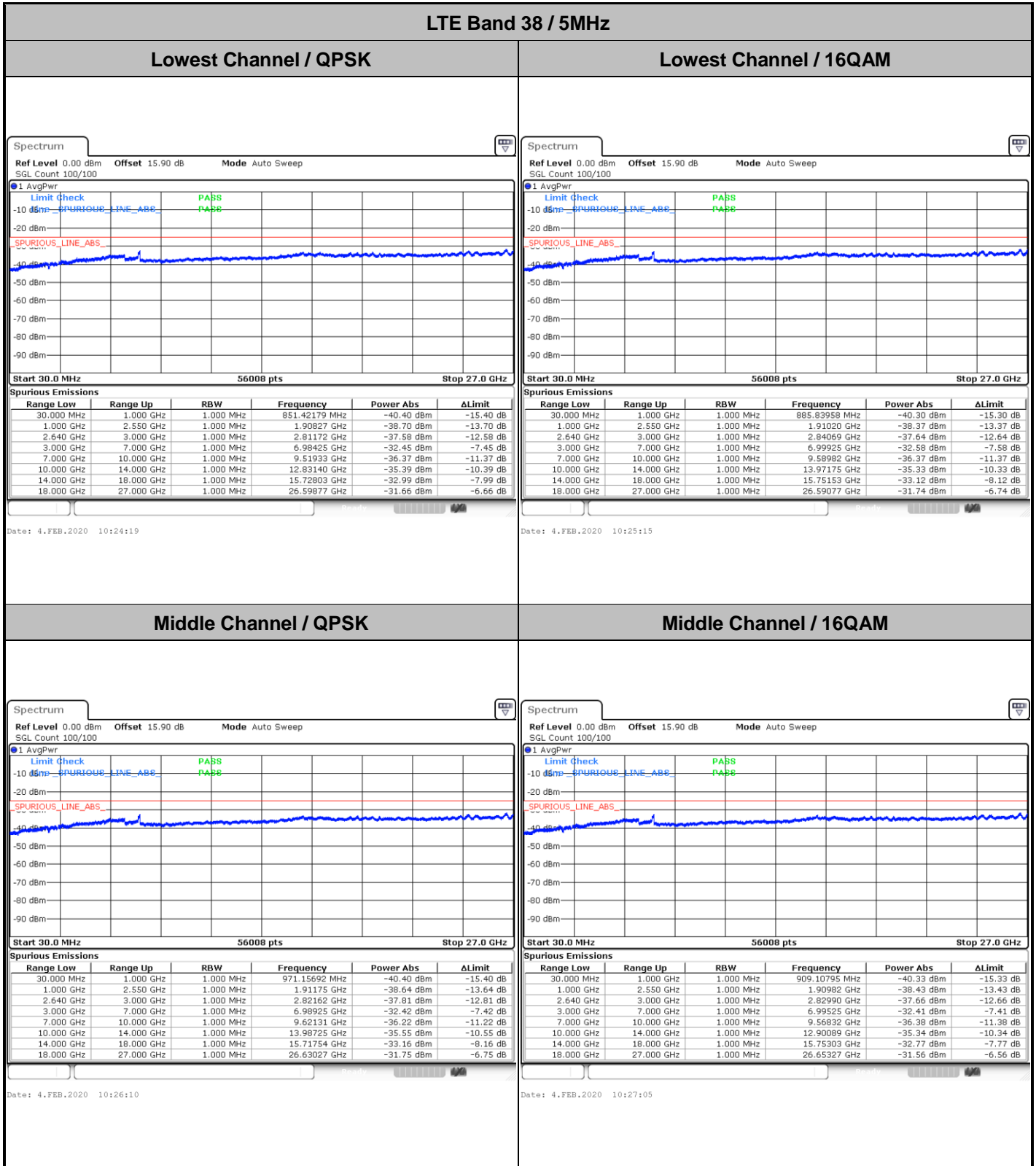


Date: 4.FEB.2020 10:18:15

Date: 4.FEB.2020 10:19:26



Conducted Spurious Emission

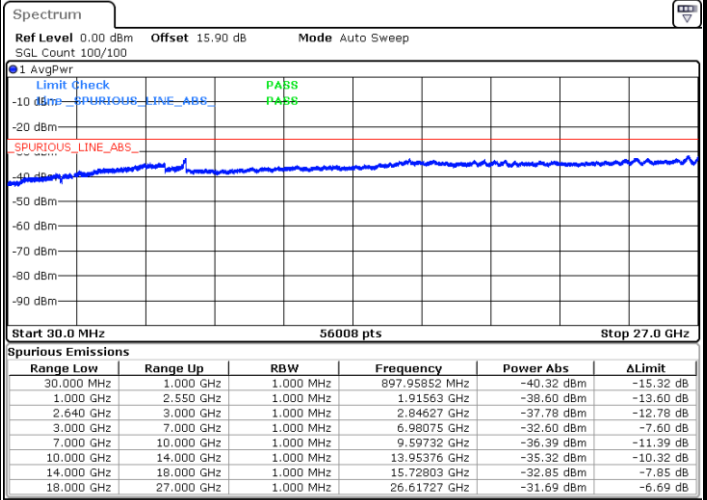
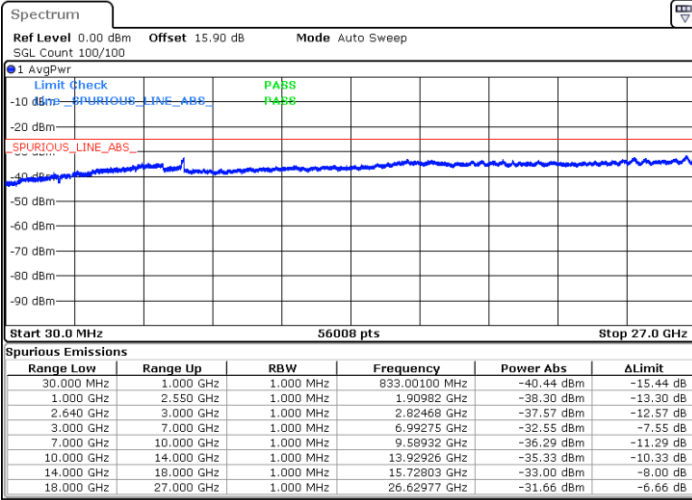




LTE Band 38 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



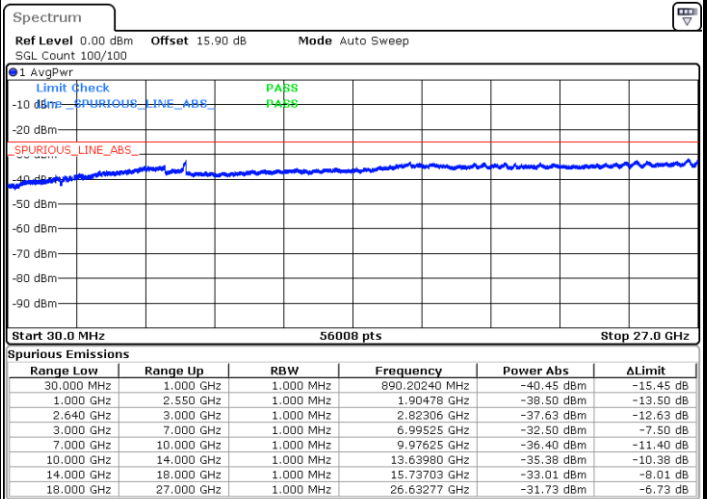
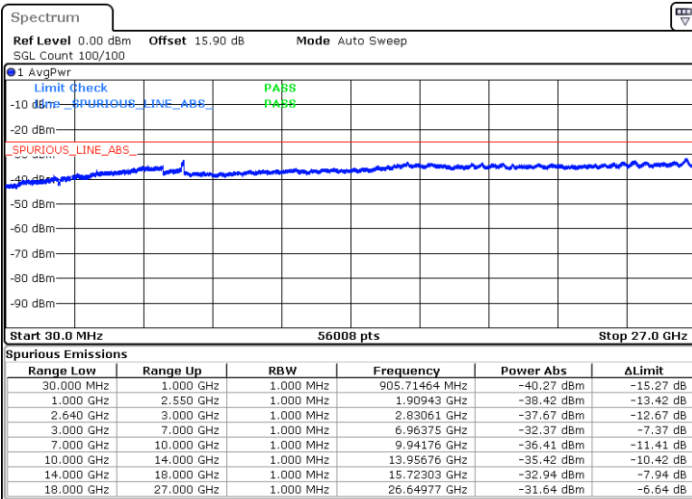
Date: 4.FEB.2020 10:28:01

Date: 4.FEB.2020 10:28:56

LTE Band 38 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 4.FEB.2020 10:32:39

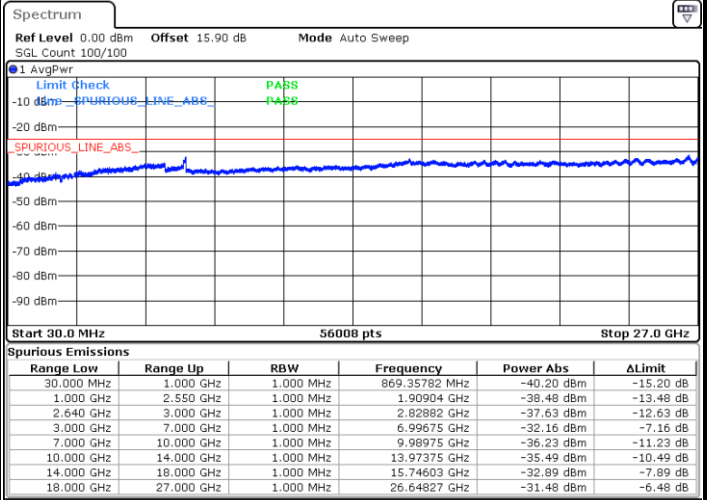
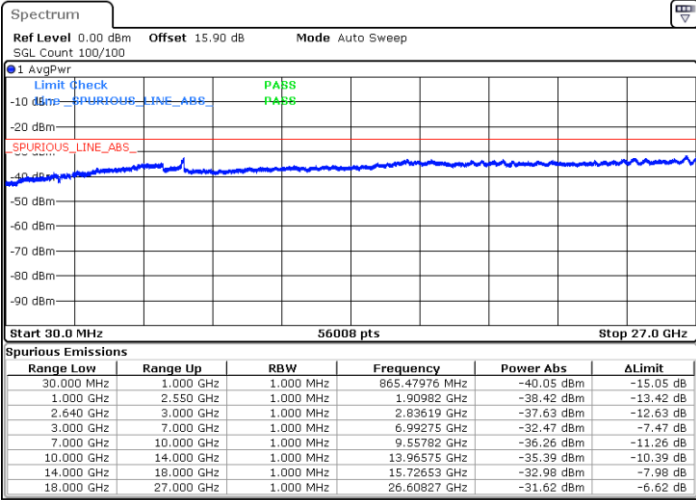
Date: 4.FEB.2020 10:33:34



LTE Band 38 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

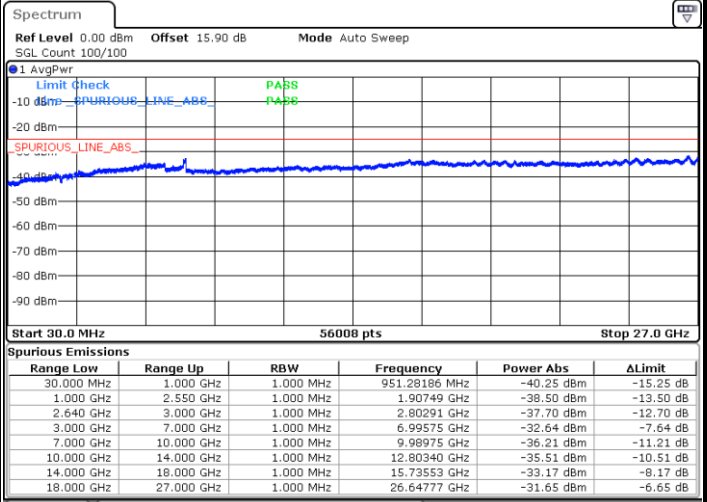
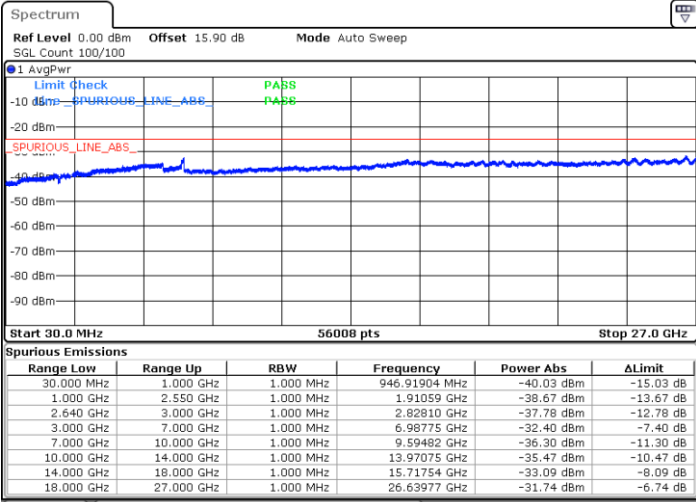


Date: 4.FEB.2020 10:34:30

Date: 4.FEB.2020 10:35:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.FEB.2020 10:36:20

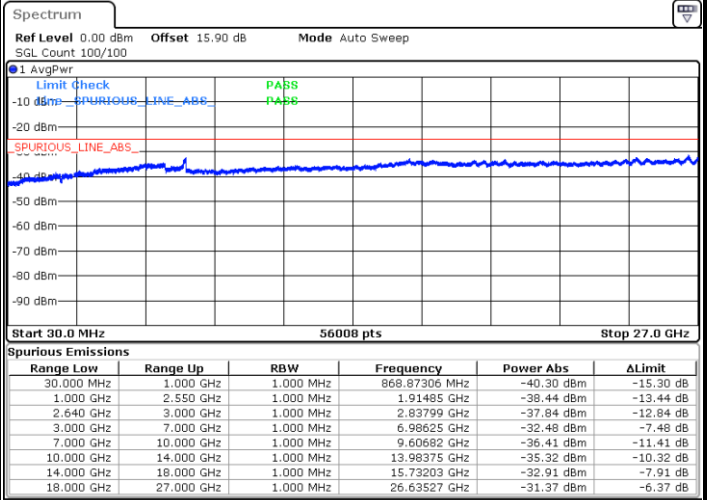
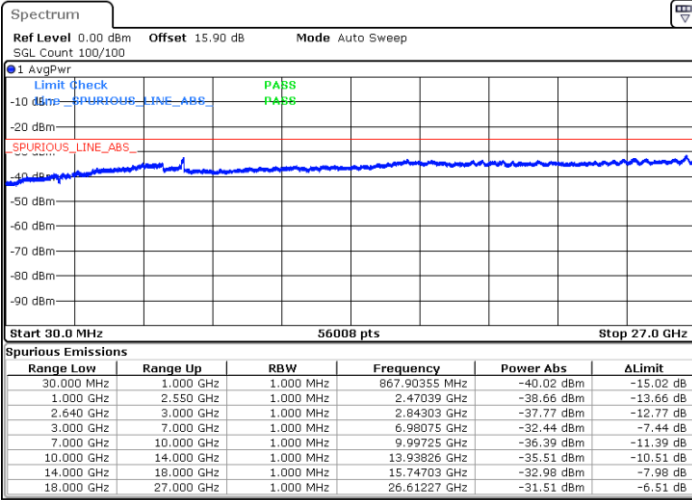
Date: 4.FEB.2020 10:37:15



LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

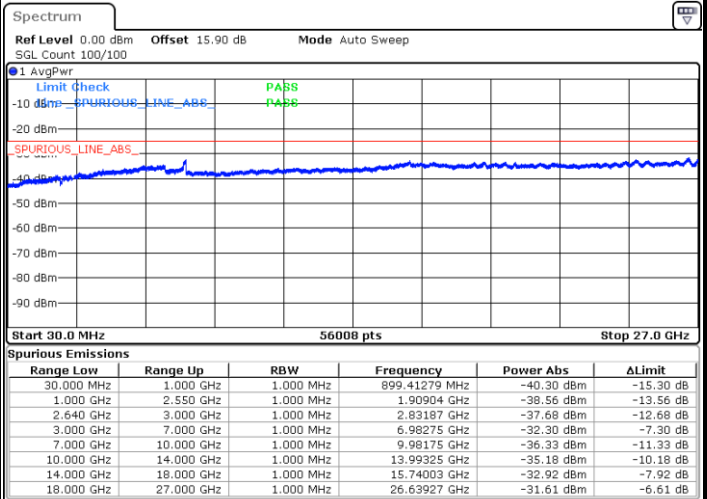
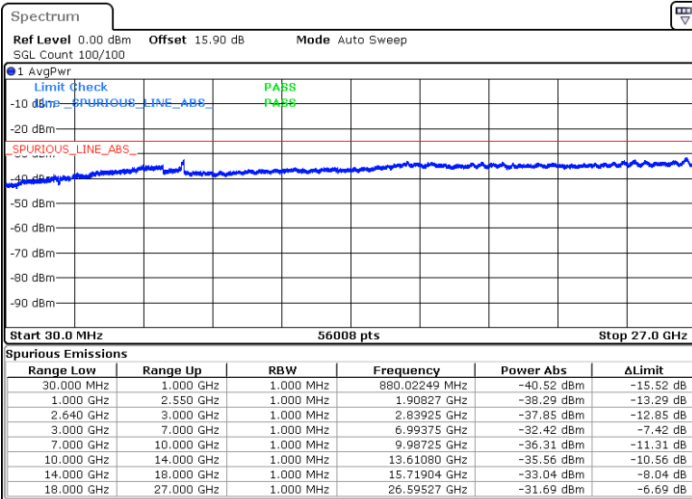


Date: 4.FEB.2020 10:38:12

Date: 4.FEB.2020 10:39:07

Middle Channel / QPSK

Middle Channel / 16QAM



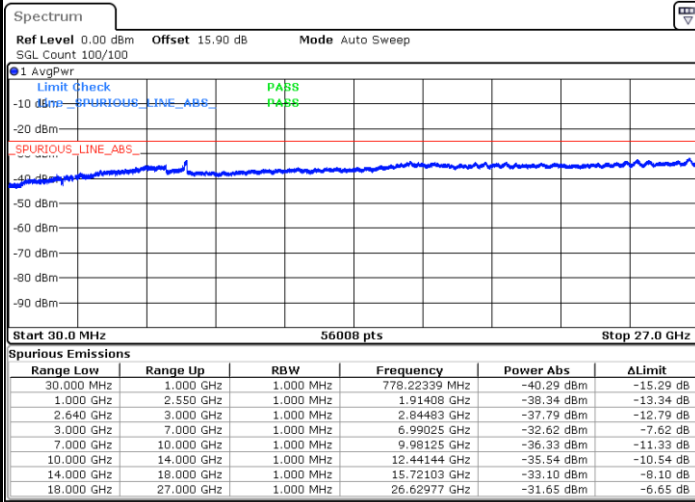
Date: 4.FEB.2020 10:40:02

Date: 4.FEB.2020 10:40:57



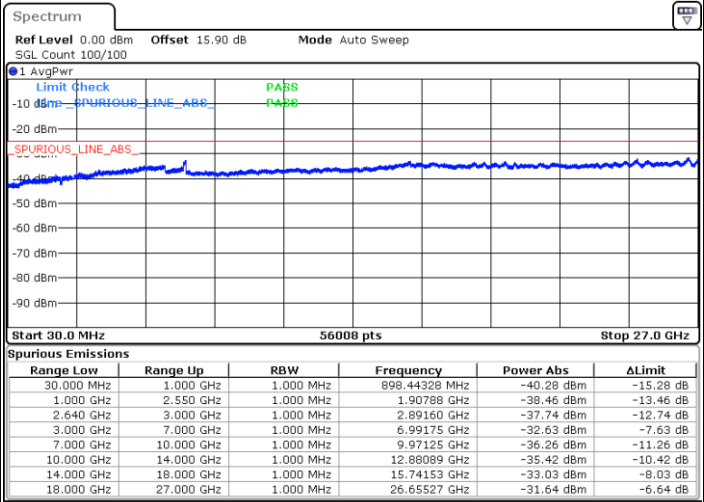
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 4.FEB.2020 10:41:52

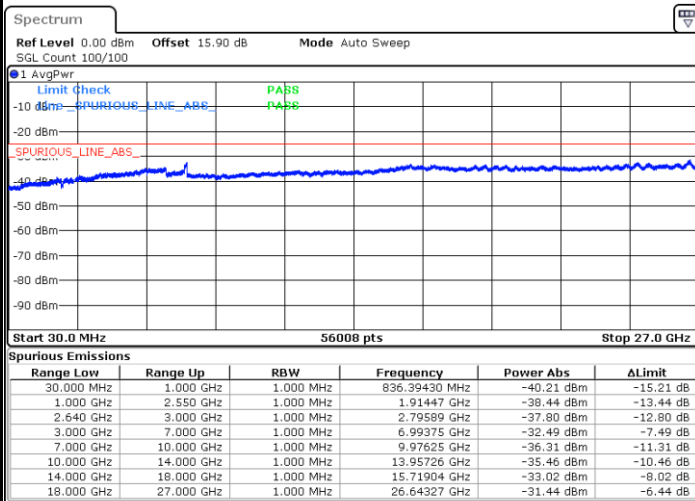
Highest Channel / 16QAM



Date: 4.FEB.2020 10:42:47

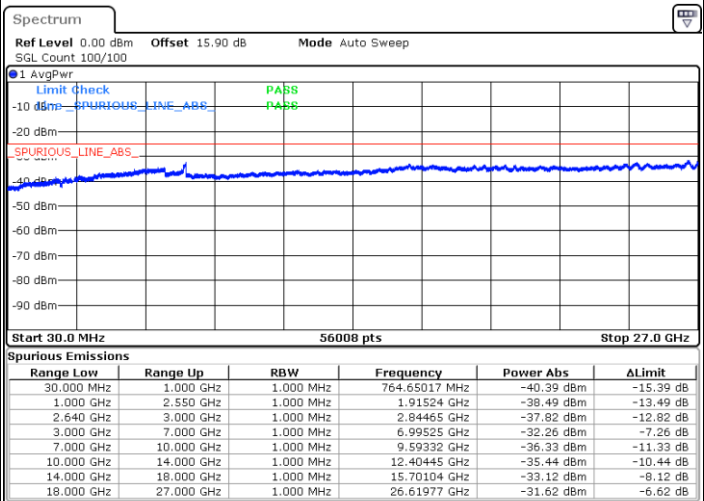
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 4.FEB.2020 10:46:29

Lowest Channel / 16QAM



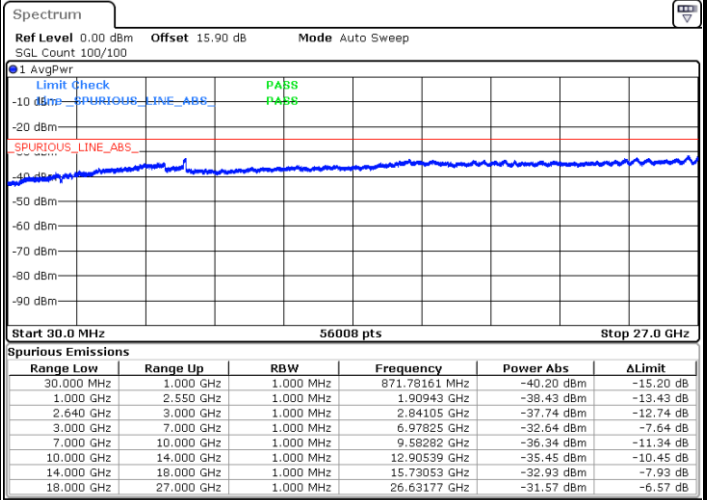
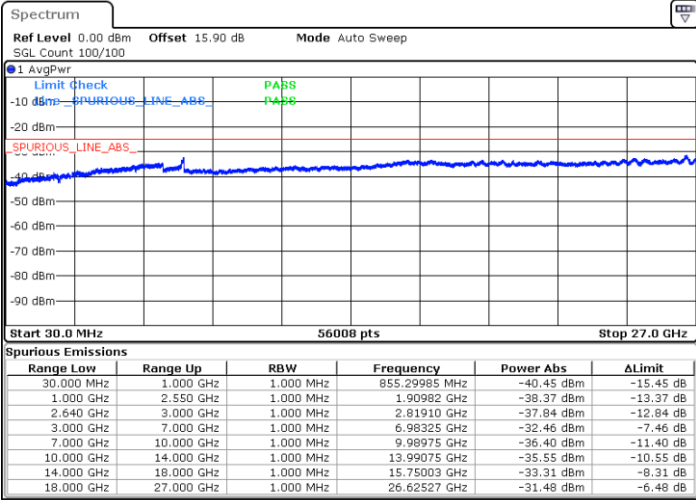
Date: 4.FEB.2020 10:47:25



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

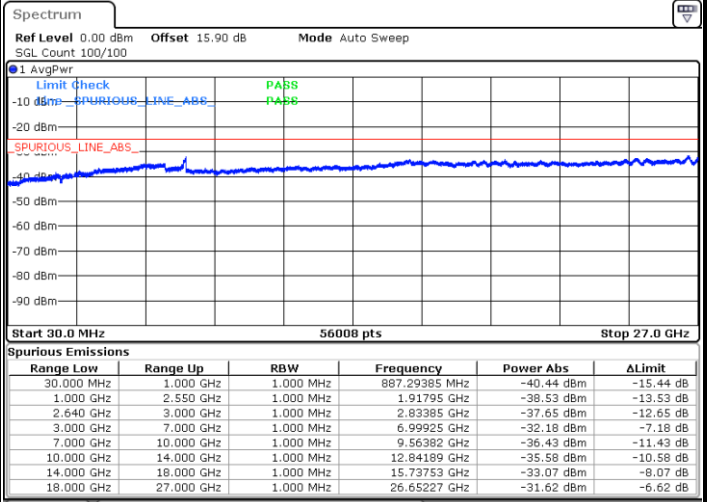
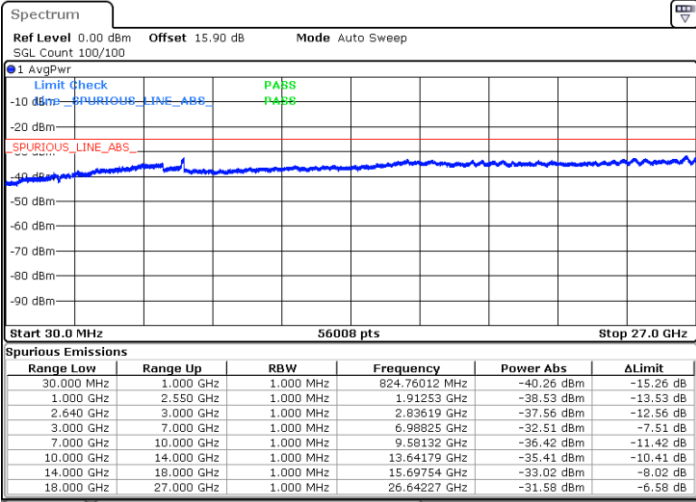


Date: 4.FEB.2020 10:48:20

Date: 4.FEB.2020 10:49:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.FEB.2020 10:50:10

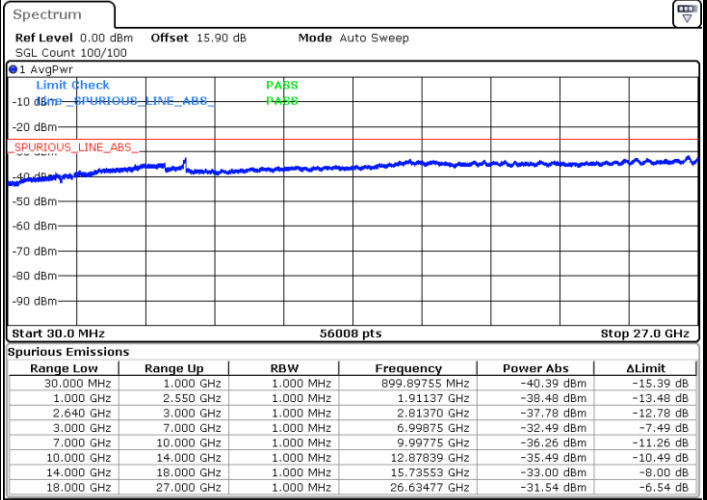
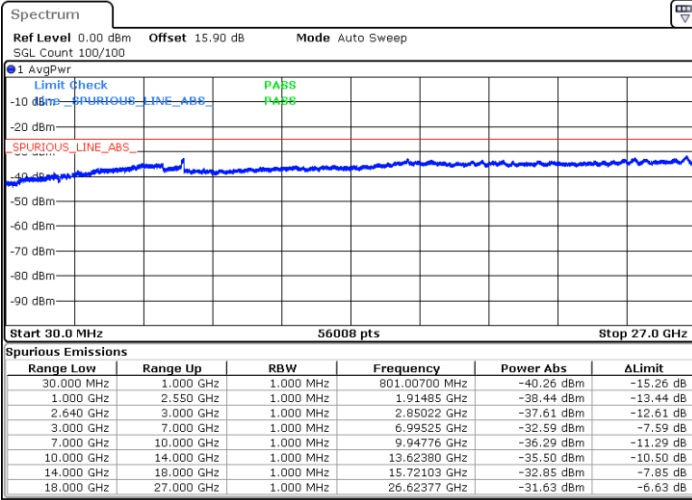
Date: 4.FEB.2020 10:51:06



LTE Band 38 / 5MHz

Lowest Channel / 64QAM

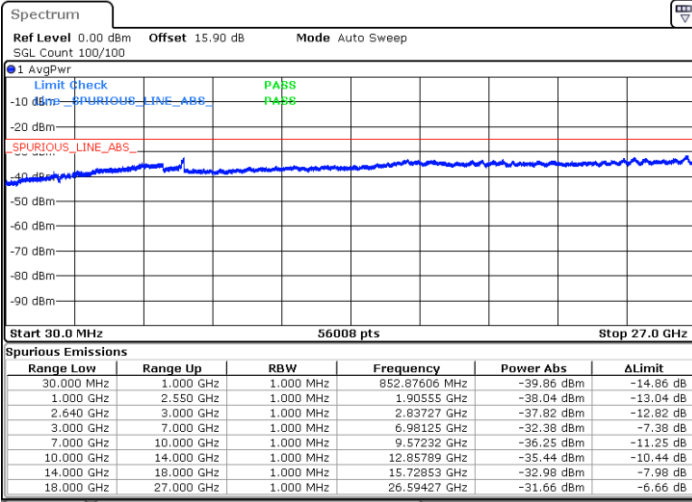
Middle Channel / 64QAM



Date: 4.FEB.2020 10:21:33

Date: 4.FEB.2020 10:22:28

Highest Channel / 64QAM



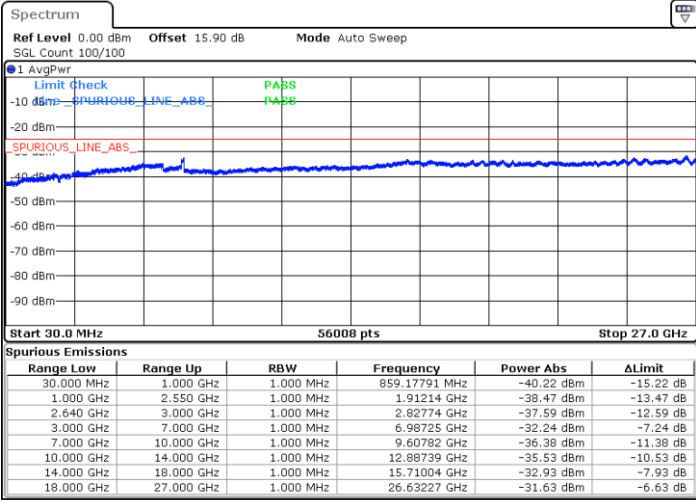
Date: 4.FEB.2020 10:23:24



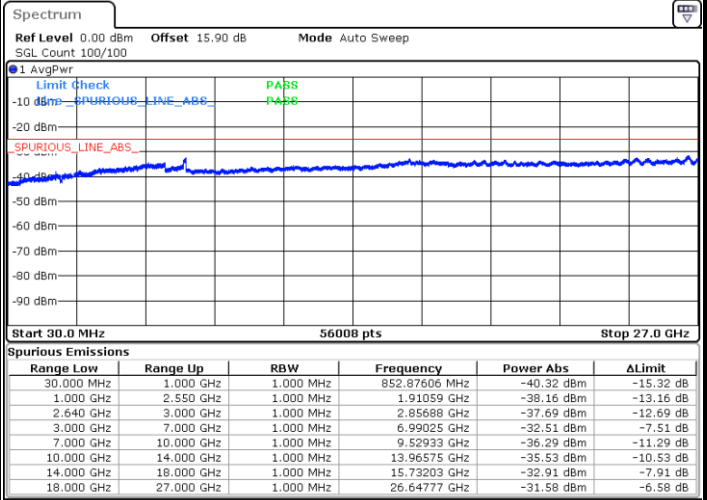
LTE Band 38 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

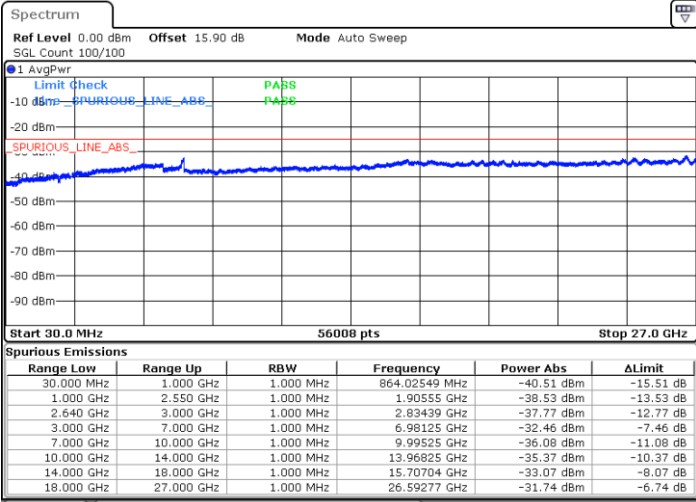


Date: 4.FEB.2020 10:29:53



Date: 4.FEB.2020 10:30:48

Highest Channel / 64QAM



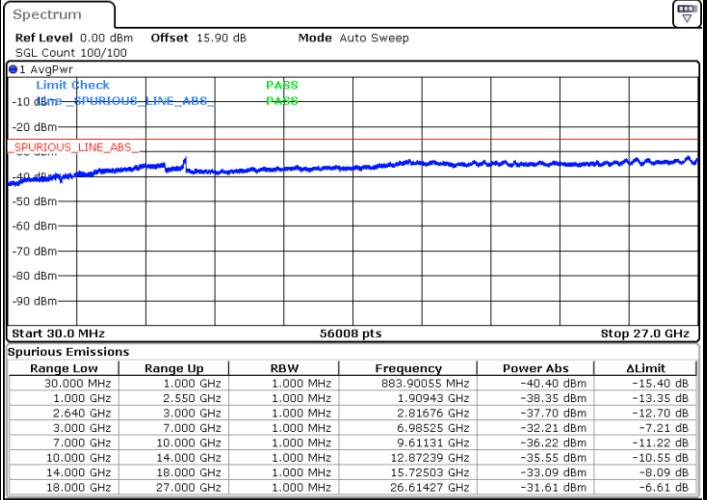
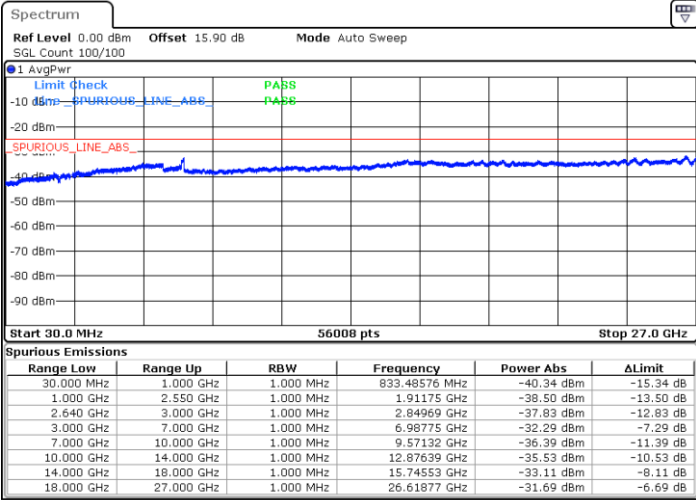
Date: 4.FEB.2020 10:31:43



LTE Band 38 / 15MHz

Lowest Channel / 64QAM

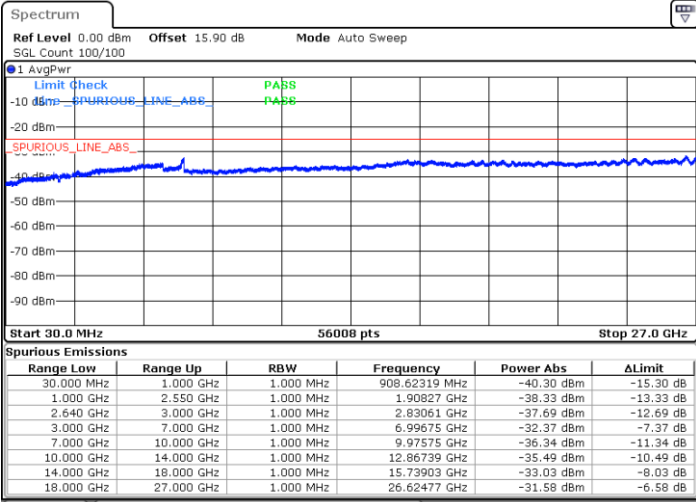
Middle Channel / 64QAM



Date: 4.FEB.2020 10:43:43

Date: 4.FEB.2020 10:44:38

Highest Channel / 64QAM



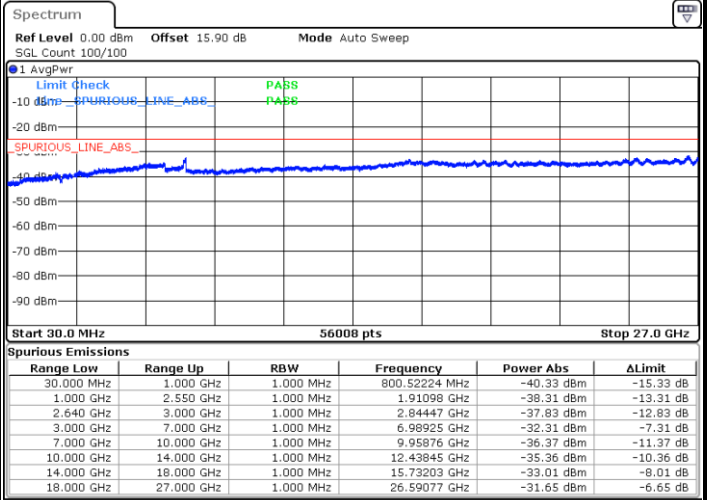
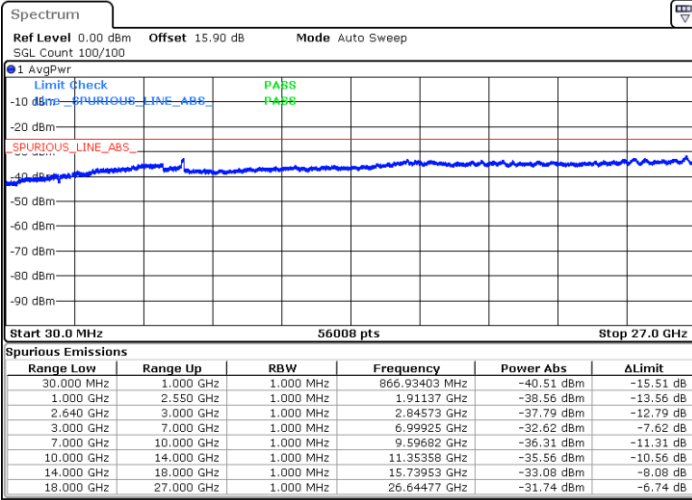
Date: 4.FEB.2020 10:45:33



LTE Band 38 / 20MHz

Lowest Channel / 64QAM

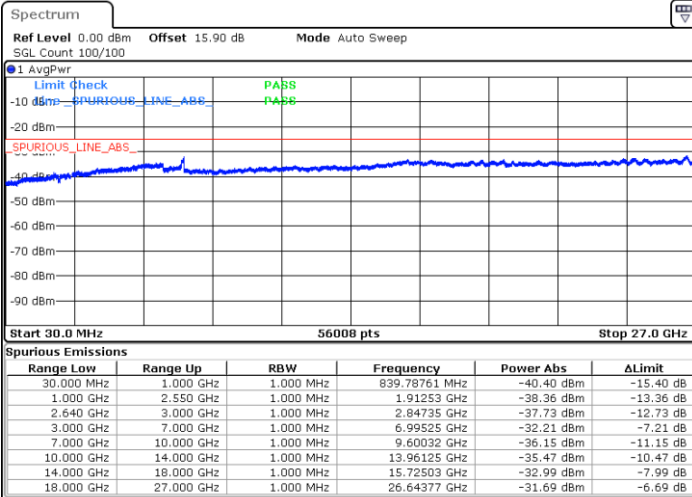
Middle Channel / 64QAM



Date: 4.FEB.2020 10:52:01

Date: 4.FEB.2020 10:52:56

Highest Channel / 64QAM



Date: 4.FEB.2020 10:53:51



Frequency Stability

| Test Conditions | | LTE Band 38 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0004 | PASS |
| 40 | Normal Voltage | 0.0020 | |
| 30 | Normal Voltage | 0.0010 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0053 | |
| 0 | Normal Voltage | 0.0007 | |
| -10 | Normal Voltage | 0.0058 | |
| -20 | Normal Voltage | 0.0015 | |
| -30 | Normal Voltage | 0.0049 | |
| 20 | Maximum Voltage | 0.0031 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0014 | |

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

| Mode | LTE Band 41 / 20MHz | | | | |
|------------|---------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.80 | 4.75 | 5.10 | 5.74 | PASS |
| Middle CH | 3.83 | 5.07 | 5.62 | 6.00 | |
| Highest CH | 4.00 | 5.16 | 5.65 | 6.03 | |
| Mode | LTE Band 41 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.46 | 6.32 | - | - | PASS |
| Middle CH | 6.52 | 6.55 | - | - | |
| Highest CH | 6.81 | 6.52 | - | - | |