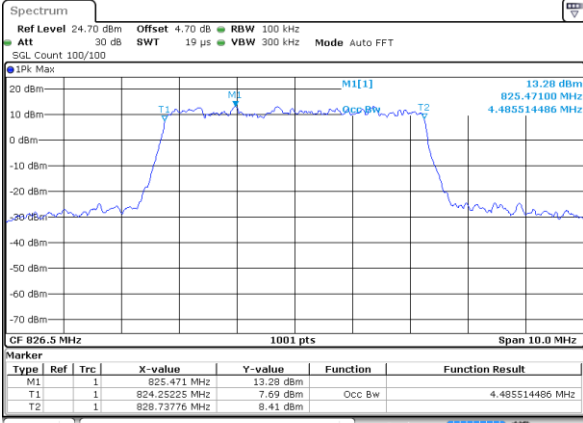




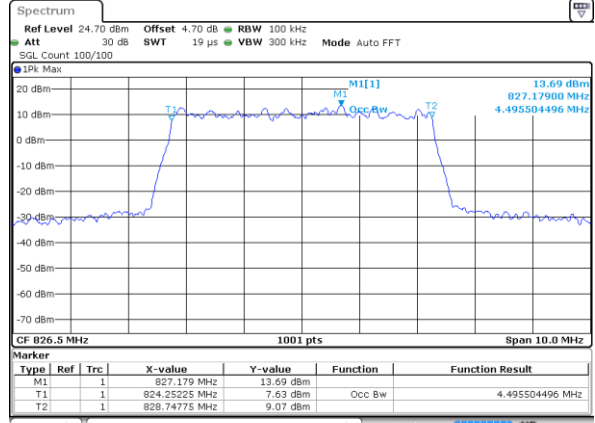
LTE Band 5

Lowest Channel / 5MHz / QPSK



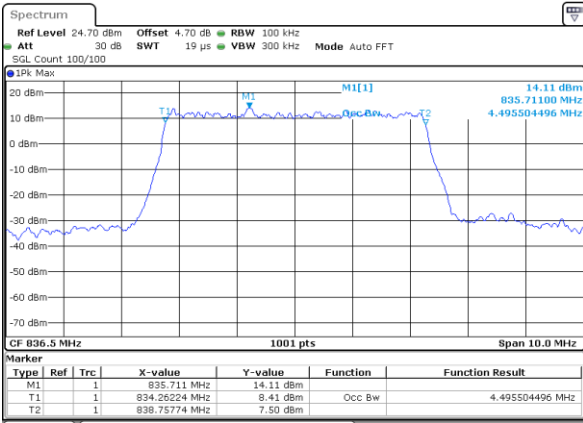
Date: 1 MAY 2020 11:31:46

Lowest Channel / 5MHz / 16QAM



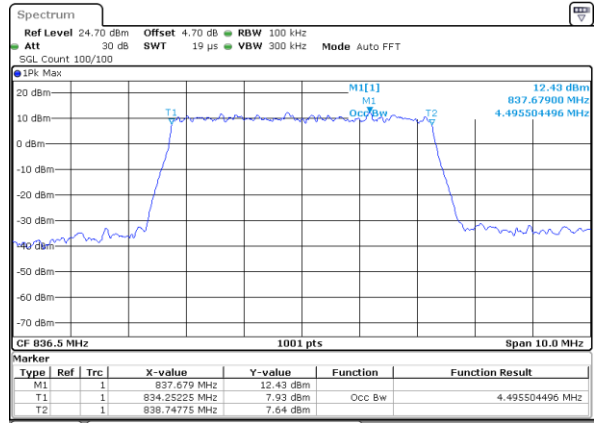
Date: 1 MAY 2020 11:31:56

Middle Channel / 5MHz / QPSK



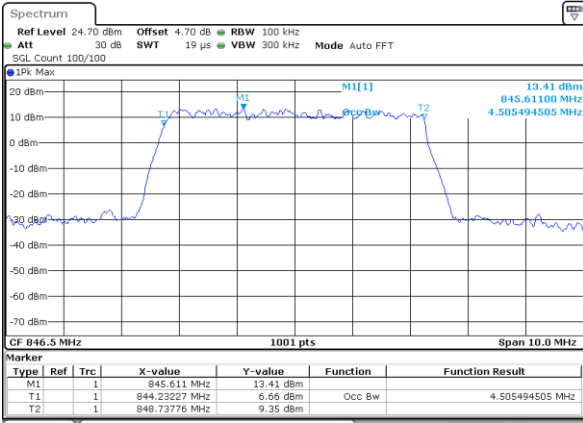
Date: 1 MAY 2020 11:40:45

Middle Channel / 5MHz / 16QAM



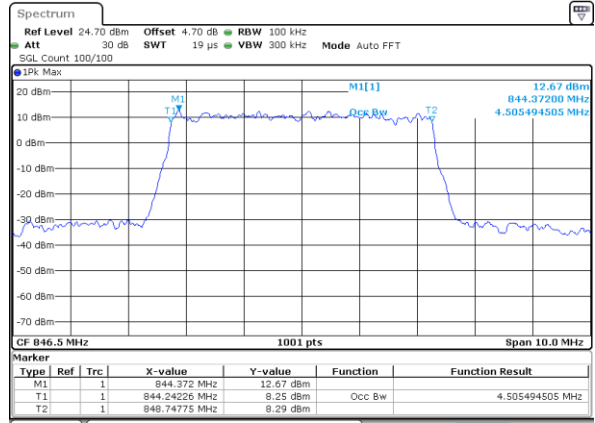
Date: 1 MAY 2020 11:40:55

Highest Channel / 5MHz / QPSK



Date: 1 MAY 2020 11:43:15

Highest Channel / 5MHz / 16QAM

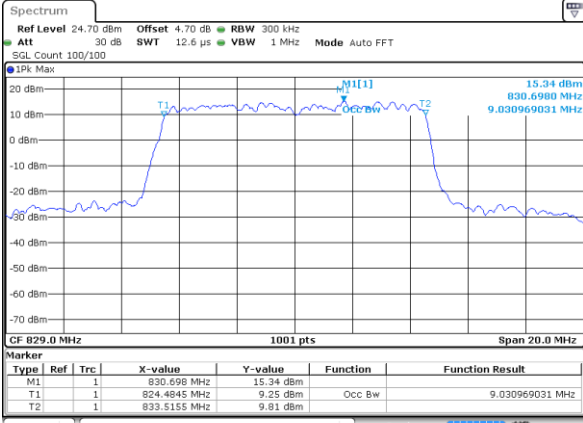


Date: 1 MAY 2020 11:43:25



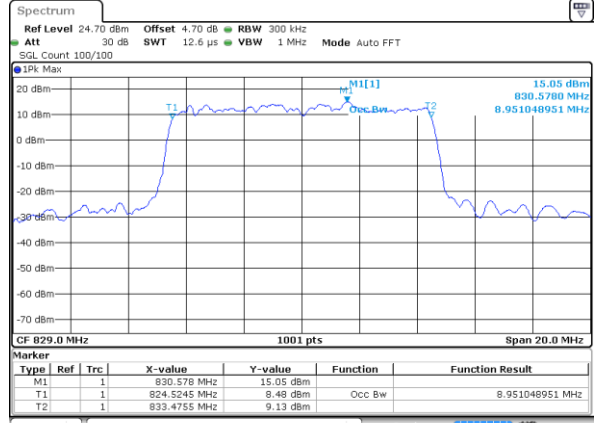
LTE Band 5

Lowest Channel / 10MHz / QPSK



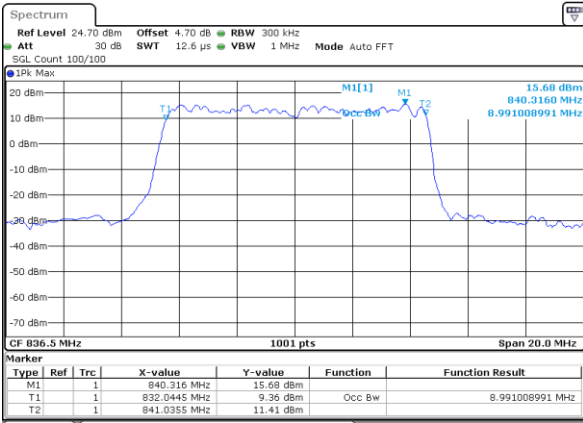
Date: 1 MAY 2020 11:55:22

Lowest Channel / 10MHz / 16QAM



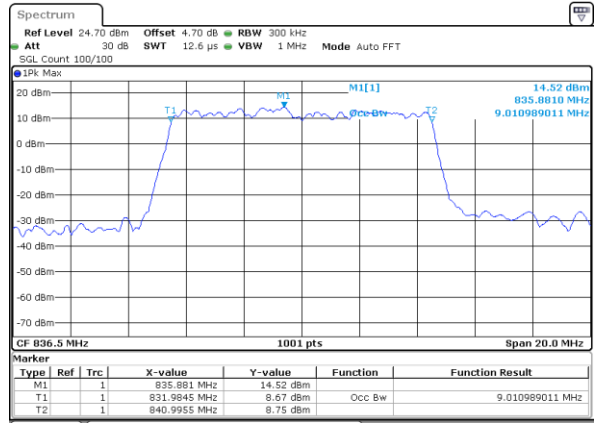
Date: 1 MAY 2020 11:55:32

Middle Channel / 10MHz / QPSK



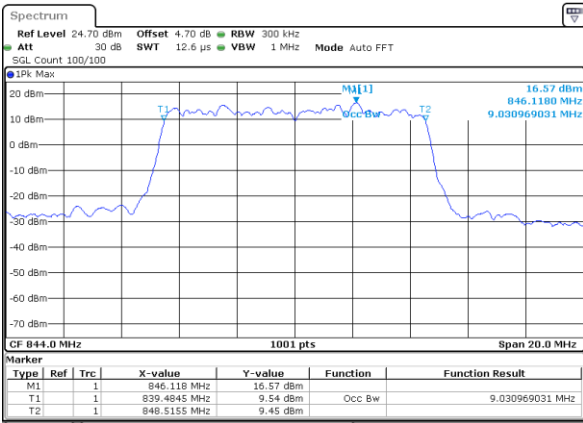
Date: 1 MAY 2020 12:05:30

Middle Channel / 10MHz / 16QAM



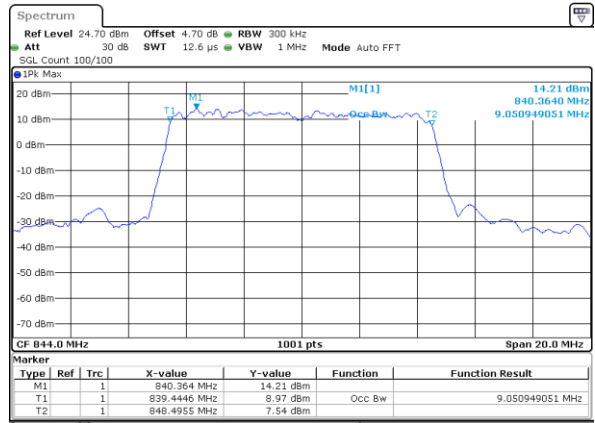
Date: 1 MAY 2020 12:05:40

Highest Channel / 10MHz / QPSK



Date: 1 MAY 2020 12:07:59

Highest Channel / 10MHz / 16QAM

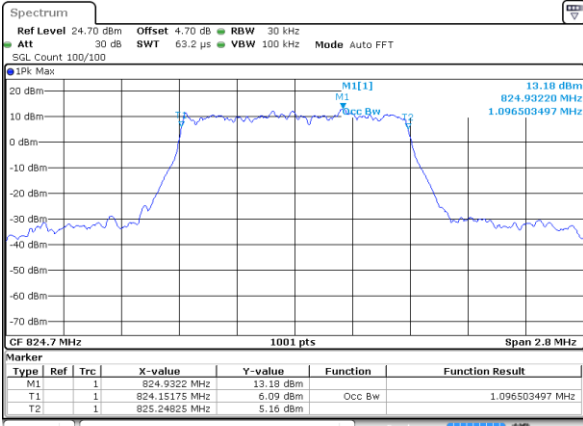


Date: 1 MAY 2020 12:08:09



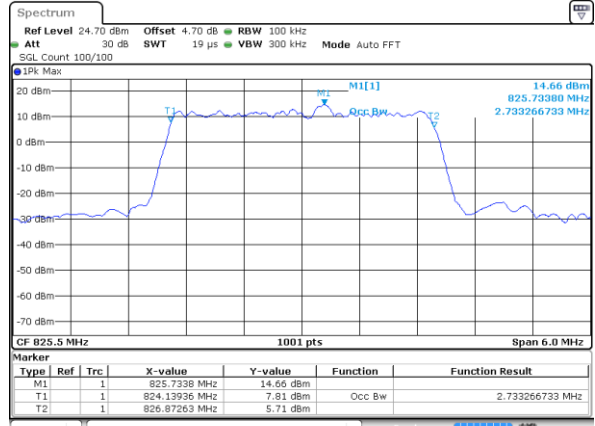
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



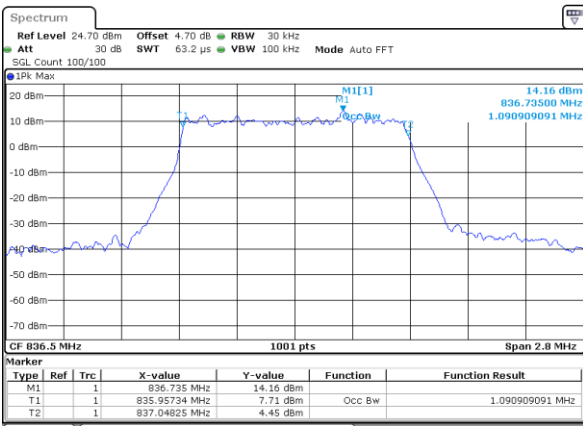
Date: 1.MAY.2020 13:51:03

Lowest Channel / 3MHz / 64QAM



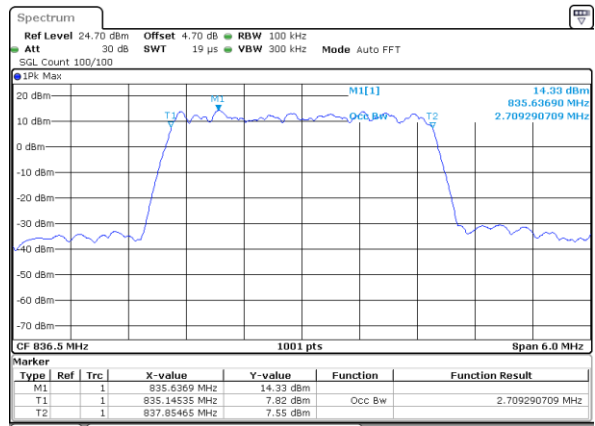
Date: 1.MAY.2020 12:30:39

Middle Channel / 1.4MHz / 64QAM



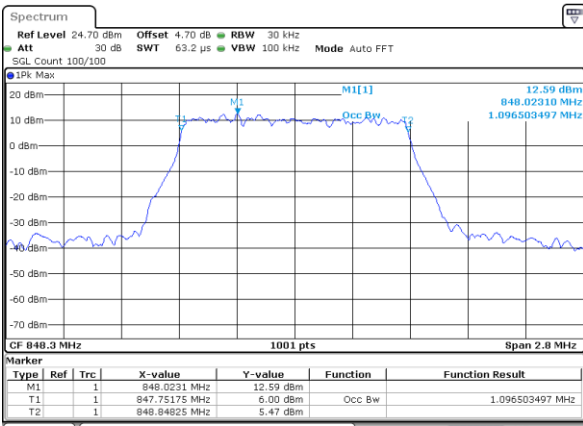
Date: 1.MAY.2020 12:23:32

Middle Channel / 3MHz / 64QAM



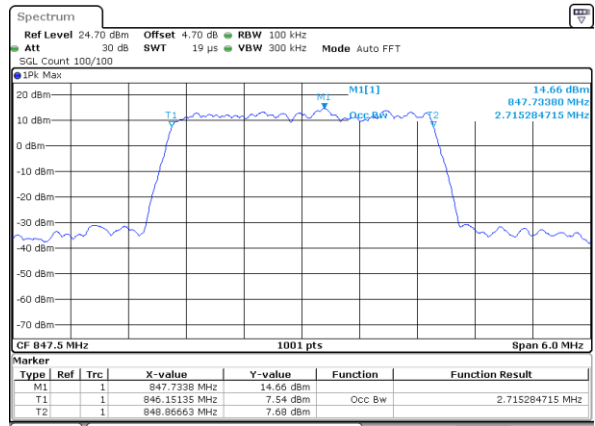
Date: 1.MAY.2020 12:47:55

Highest Channel / 1.4MHz / 64QAM



Date: 1.MAY.2020 12:25:55

Highest Channel / 3MHz / 64QAM

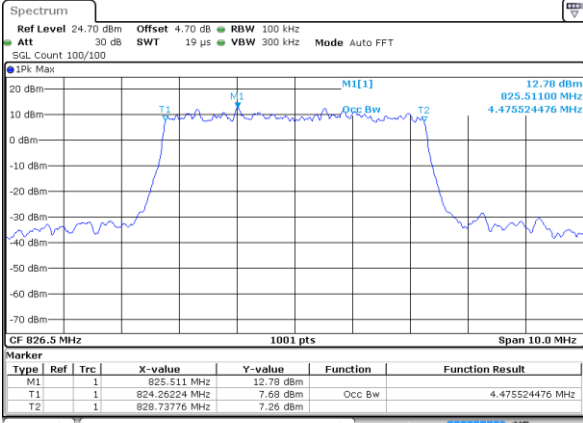


Date: 1.MAY.2020 12:48:15



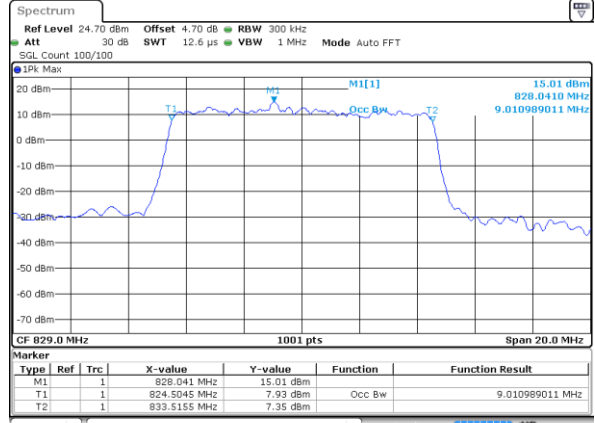
LTE Band 5

Lowest Channel / 5MHz / 64QAM



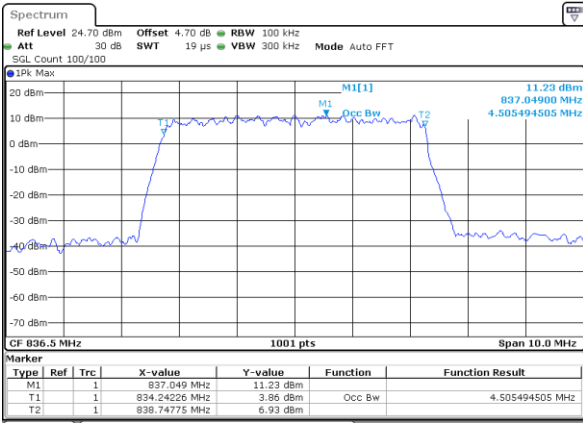
Date: 1 MAY 2020 13:55:04

Lowest Channel / 10MHz / 64QAM



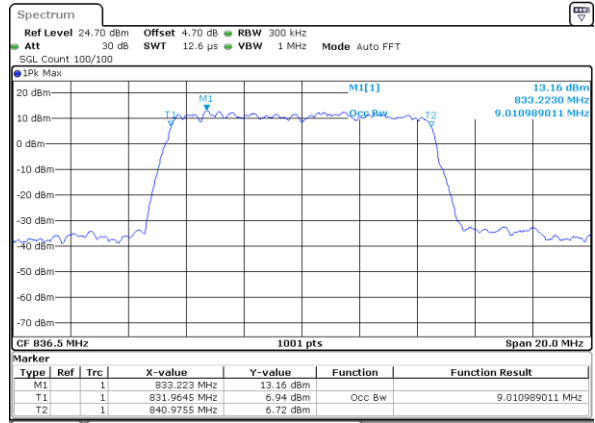
Date: 1 MAY 2020 13:07:18

Middle Channel / 5MHz / 64QAM



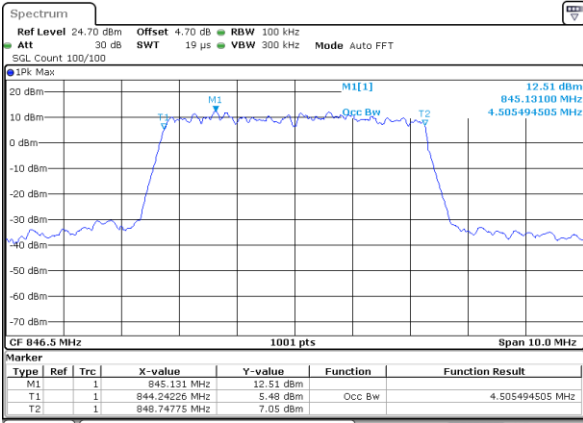
Date: 1 MAY 2020 13:01:02

Middle Channel / 10MHz / 64QAM



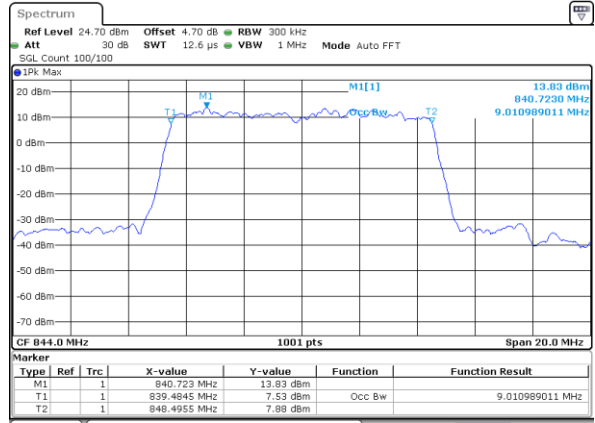
Date: 1 MAY 2020 13:12:43

Highest Channel / 5MHz / 64QAM



Date: 1 MAY 2020 13:02:49

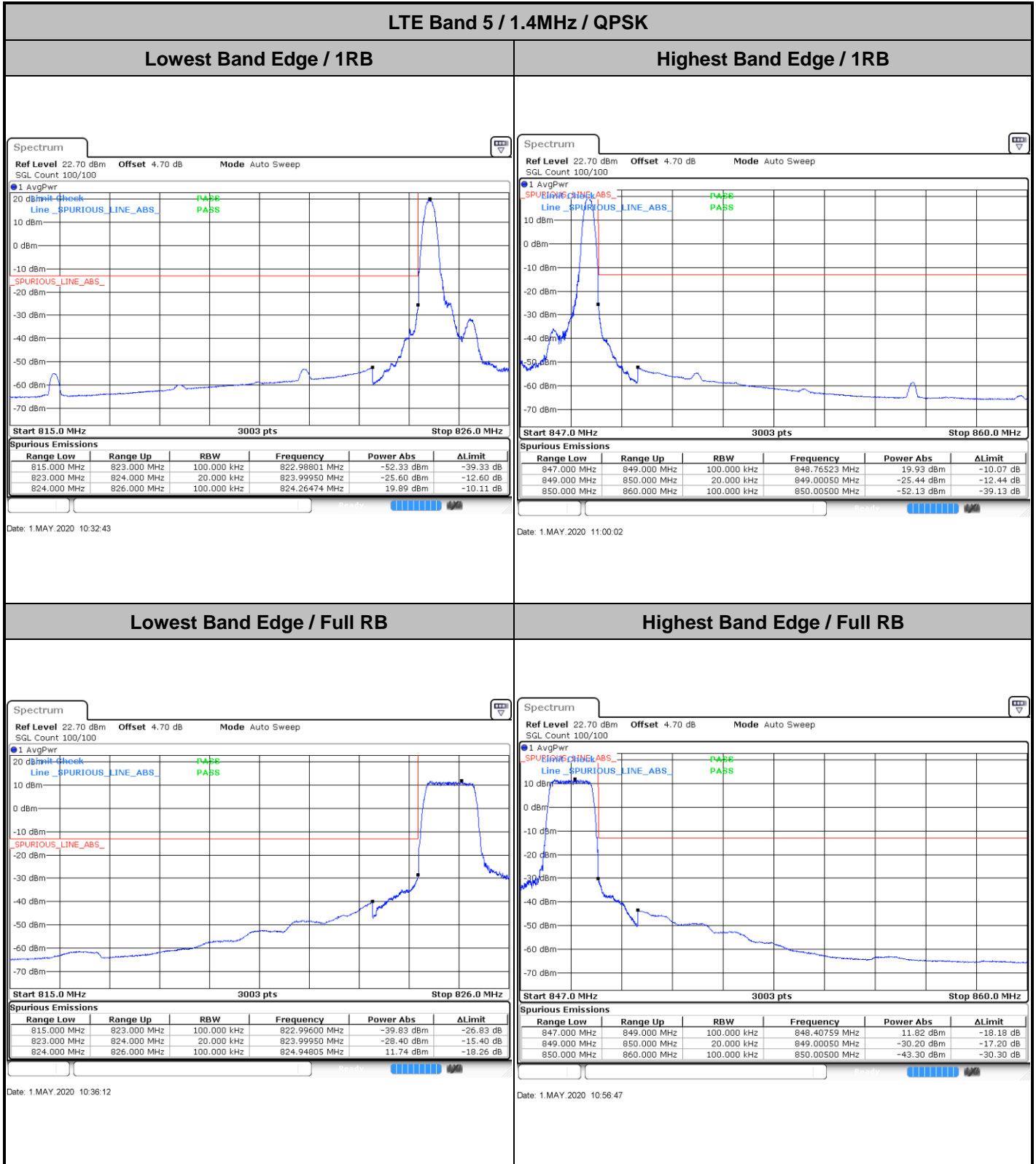
Highest Channel / 10MHz / 64QAM



Date: 1 MAY 2020 13:13:03



# Conducted Band Edge





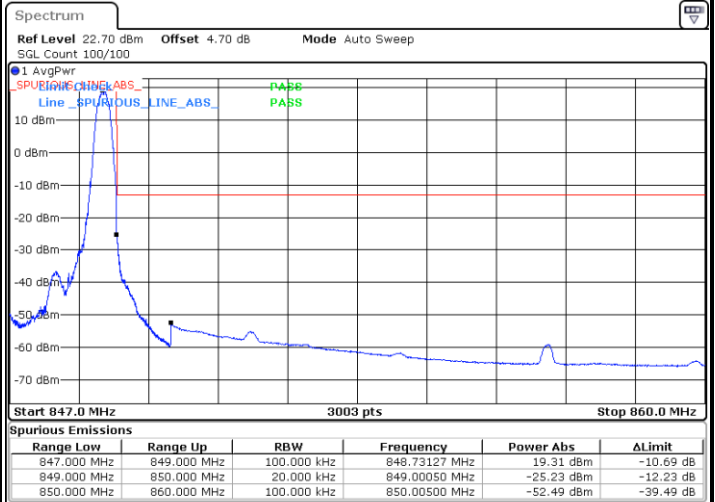
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



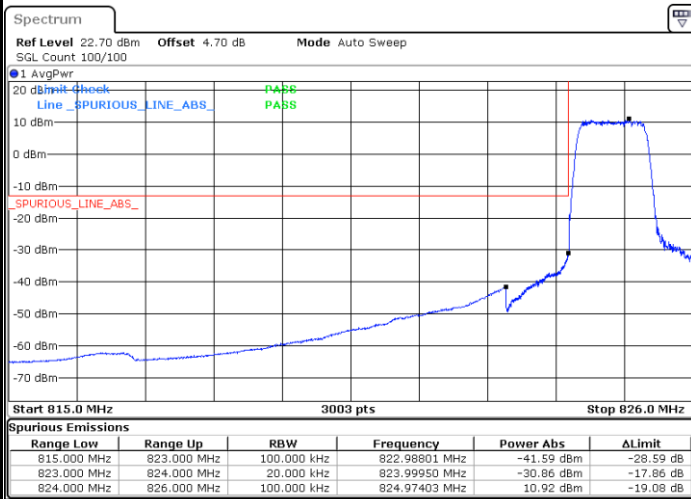
Date: 1 MAY 2020 10:34:34

Highest Band Edge / 1 RB



Date: 1 MAY 2020 11:01:39

Lowest Band Edge / Full RB



Date: 1 MAY 2020 10:37:49

Highest Band Edge / Full RB

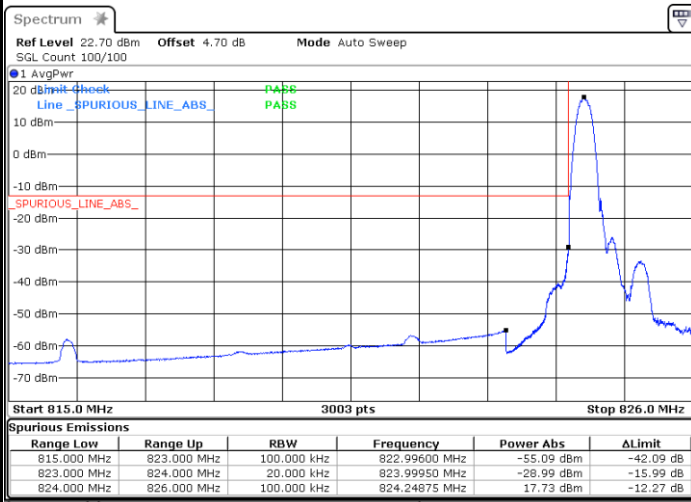


Date: 1 MAY 2020 10:58:24



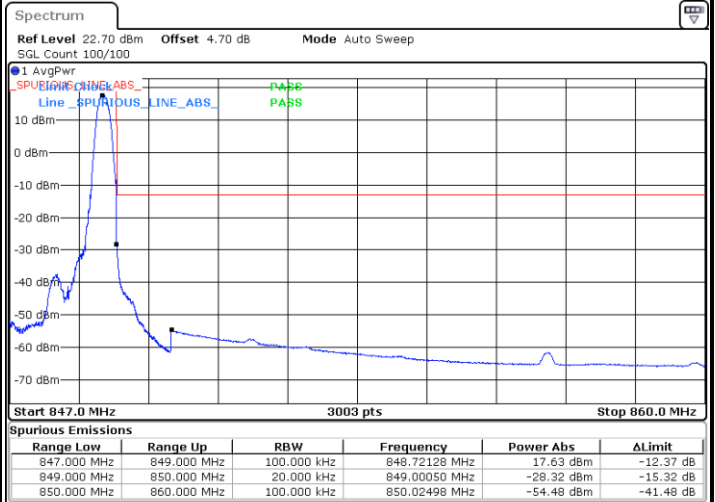
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



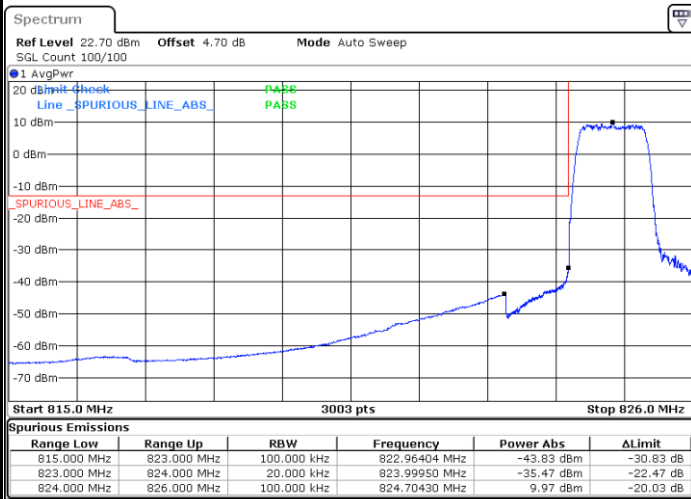
Date: 1 MAY 2020 12:21:33

Highest Band Edge / 1 RB



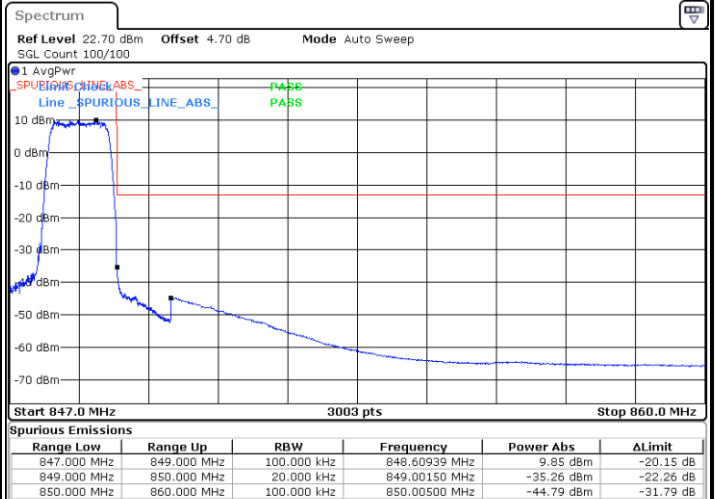
Date: 1 MAY 2020 12:29:20

Lowest Band Edge / Full RB



Date: 1 MAY 2020 13:53:22

Highest Band Edge / Full RB

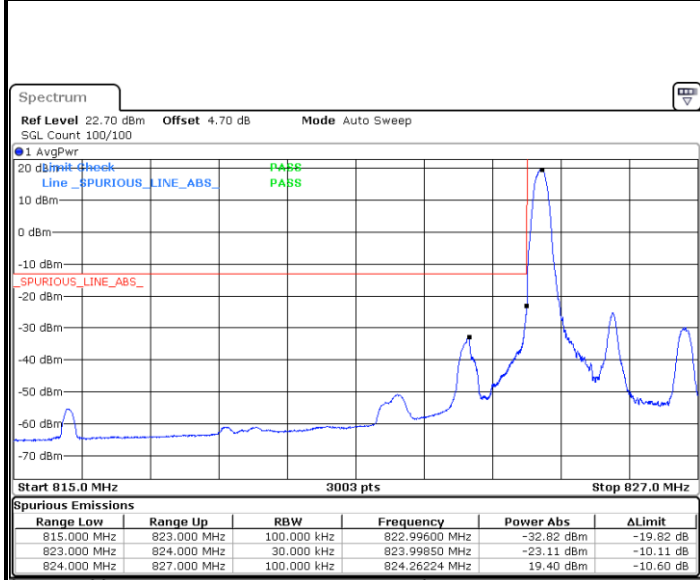


Date: 1 MAY 2020 12:27:43



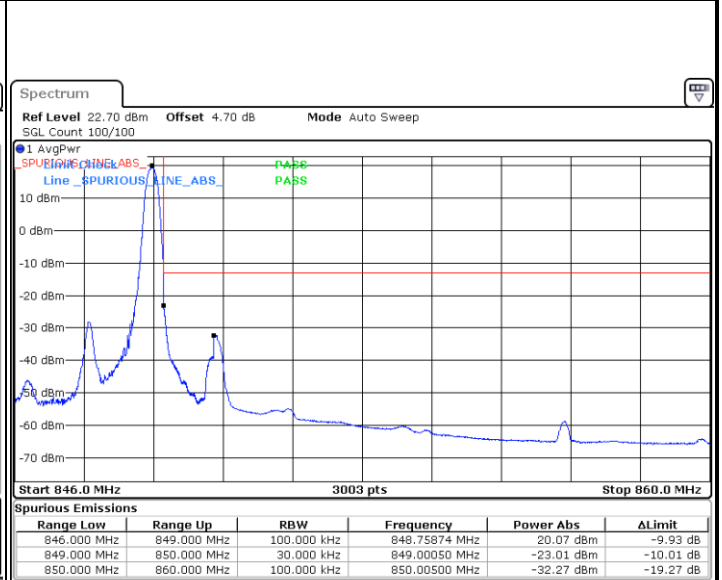
**LTE Band 5 / 3MHz / QPSK**

**Lowest Band Edge / 1RB**



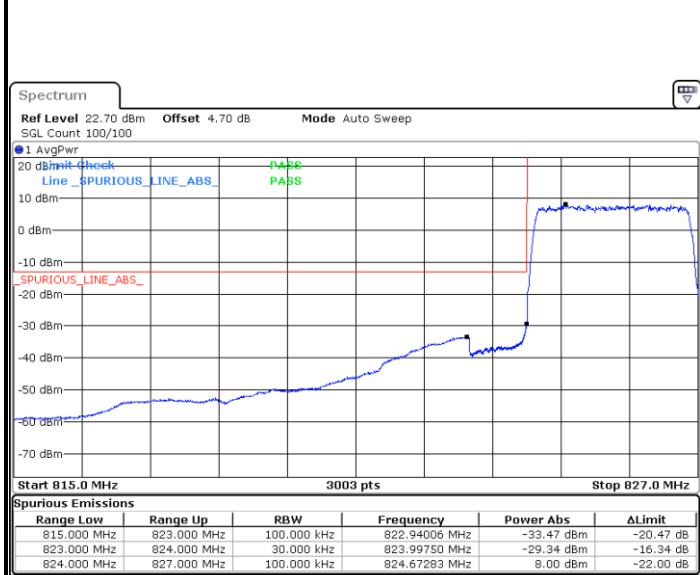
Date: 1.MAY.2020 11:08:07

**Highest Band Edge / 1 RB**



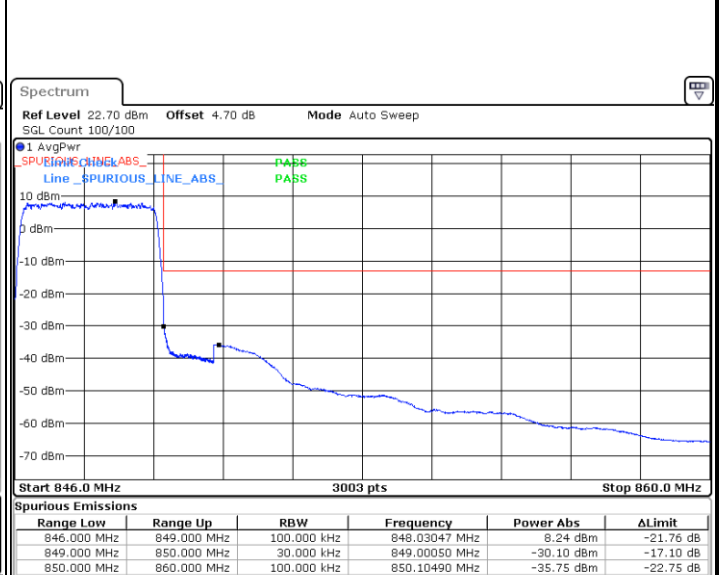
Date: 1.MAY.2020 11:22:30

**Lowest Band Edge / Full RB**



Date: 1.MAY.2020 11:14:05

**Highest Band Edge / Full RB**



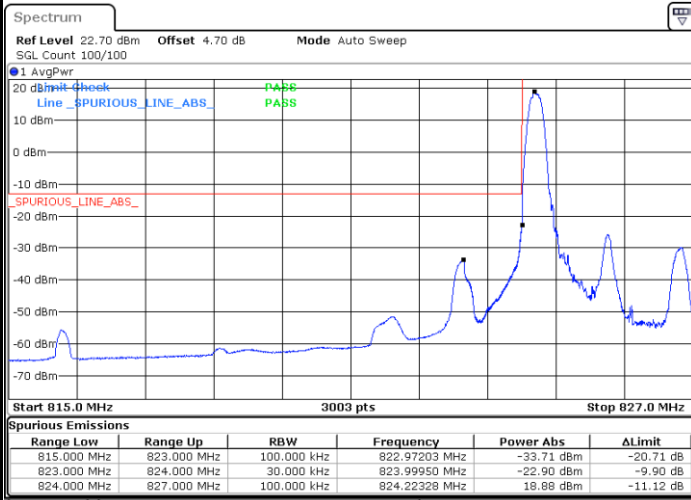
Date: 1.MAY.2020 11:25:45





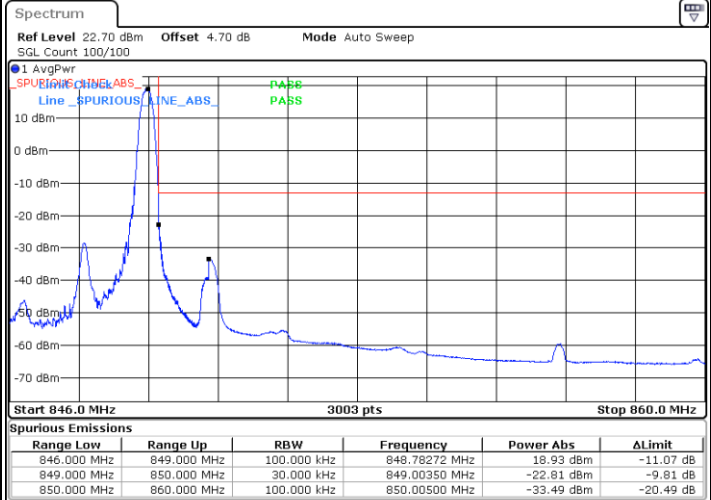
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



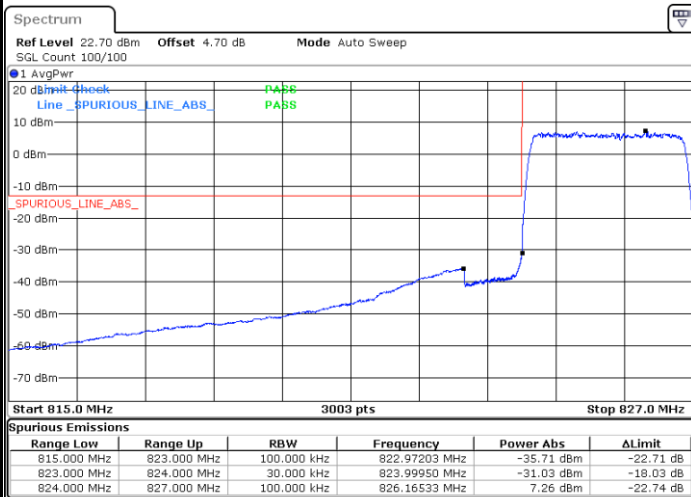
Date: 1.MAY.2020 11:09:45

Highest Band Edge / 1 RB



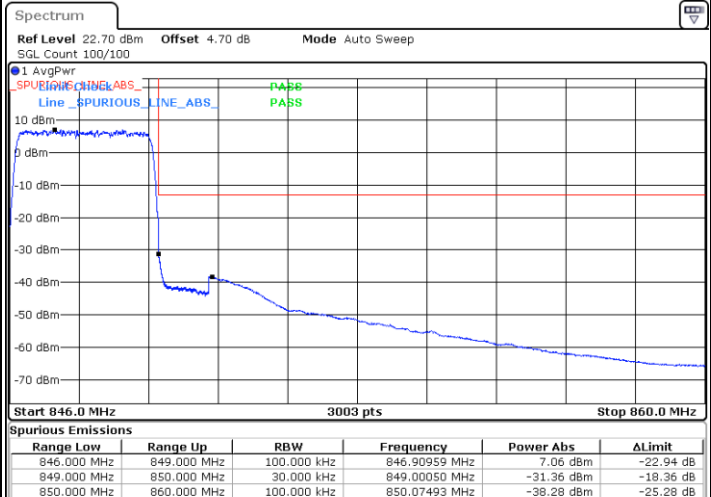
Date: 1.MAY.2020 11:24:08

Lowest Band Edge / Full RB



Date: 1.MAY.2020 11:15:43

Highest Band Edge / Full RB

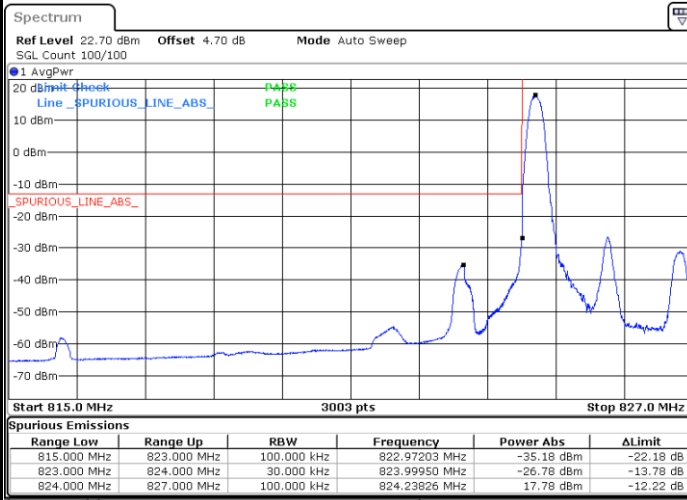


Date: 1.MAY.2020 11:27:23



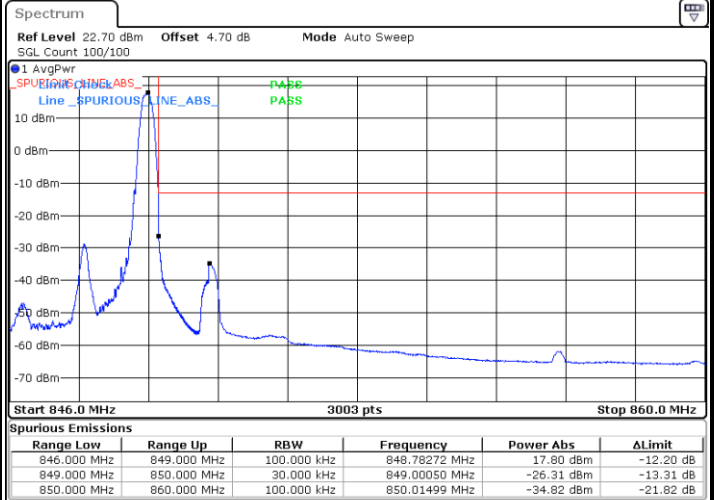
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



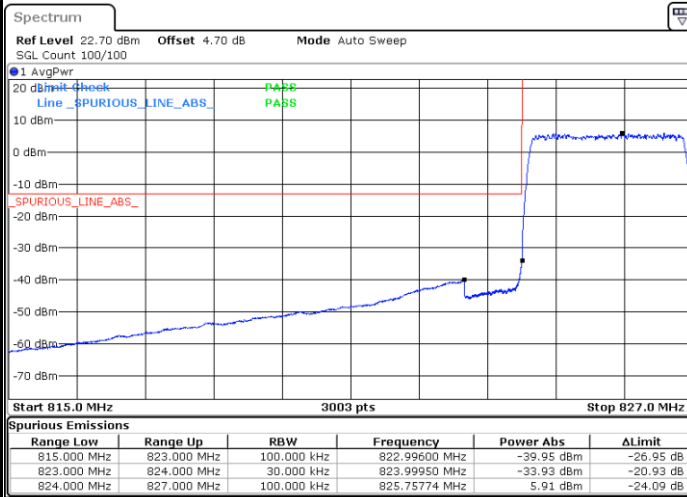
Date: 1 MAY 2020 12:35:34

Highest Band Edge / 1 RB



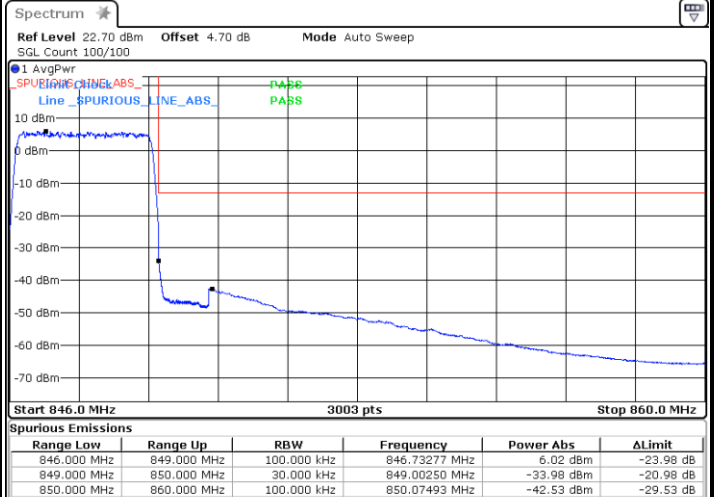
Date: 1 MAY 2020 12:52:00

Lowest Band Edge / Full RB



Date: 1 MAY 2020 12:33:56

Highest Band Edge / Full RB

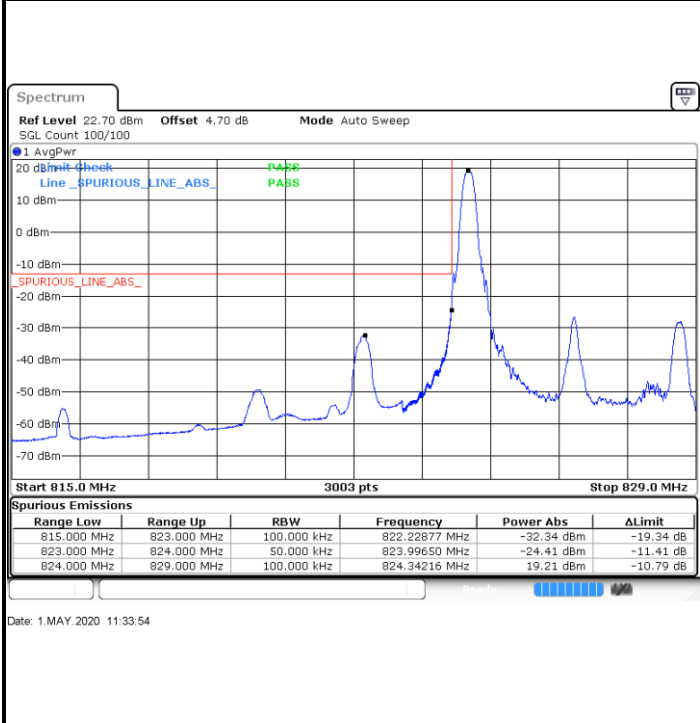


Date: 1 MAY 2020 12:50:23

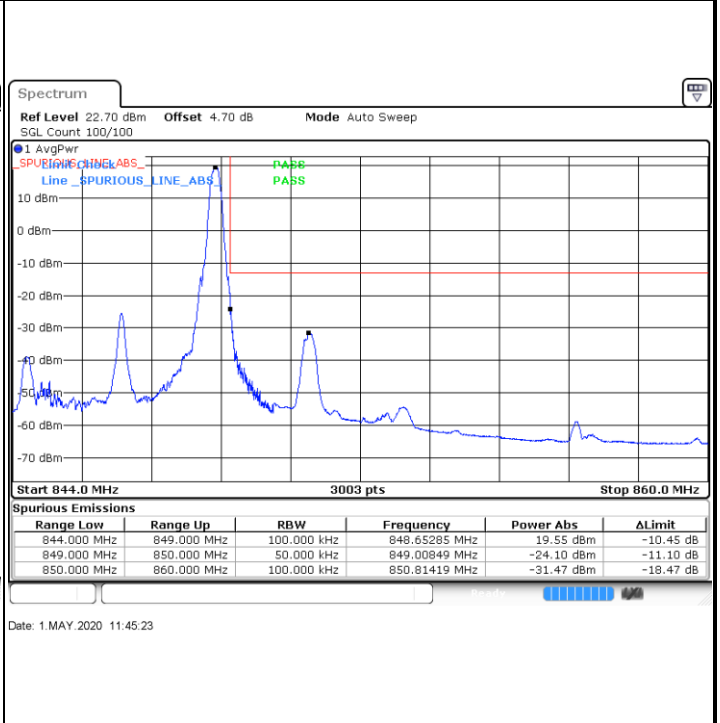


**LTE Band 5 / 5MHz / QPSK**

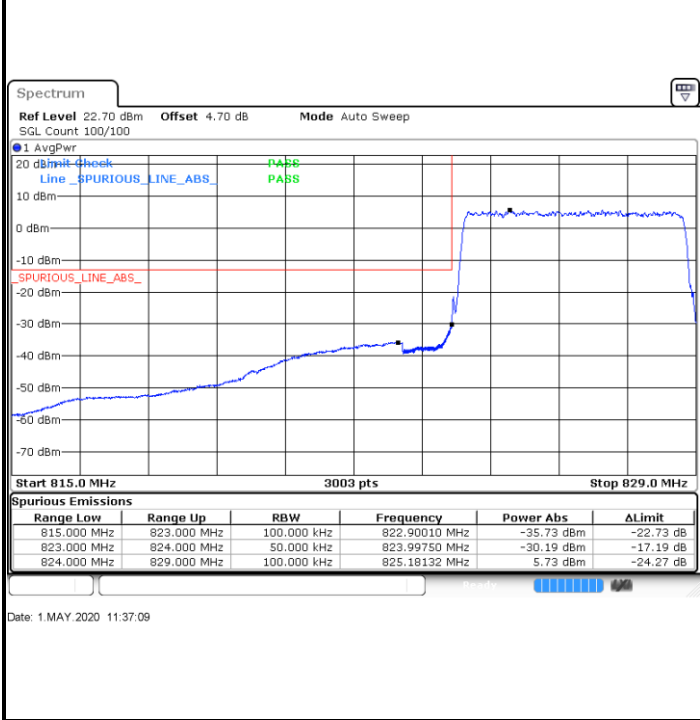
**Lowest Band Edge / 1 RB**



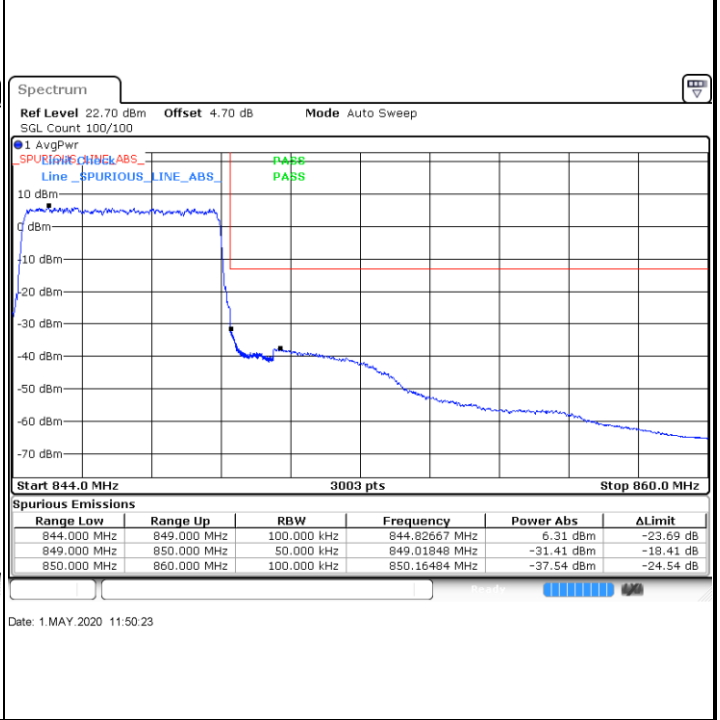
**Highest Band Edge / 1 RB**



**Lowest Band Edge / Full RB**



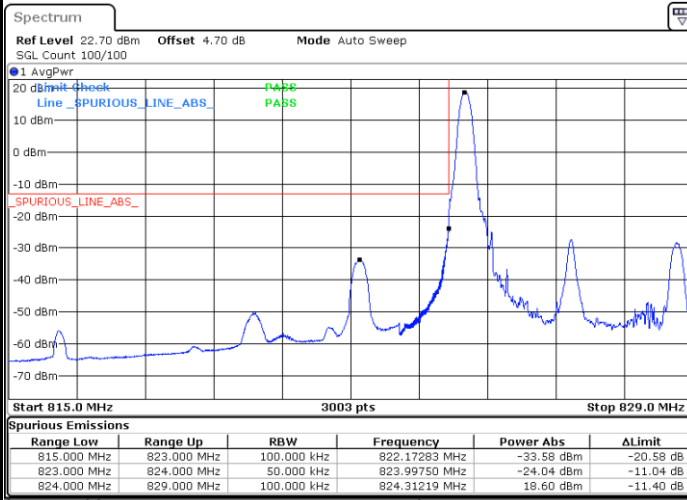
**Highest Band Edge / Full RB**





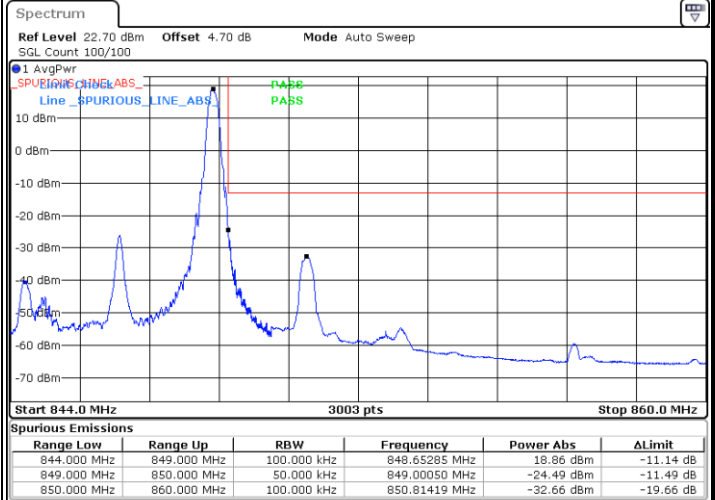
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



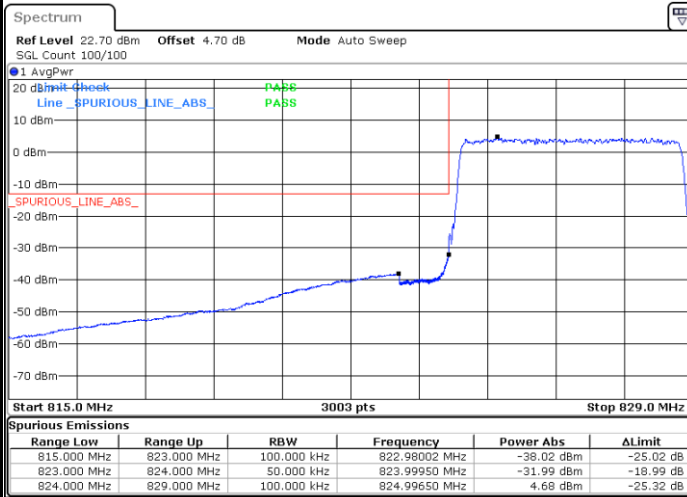
Date: 1.MAY.2020 11:35:32

Highest Band Edge / 1 RB



Date: 1.MAY.2020 11:47:00

Lowest Band Edge / Full RB



Date: 1.MAY.2020 11:38:47

Highest Band Edge / Full RB

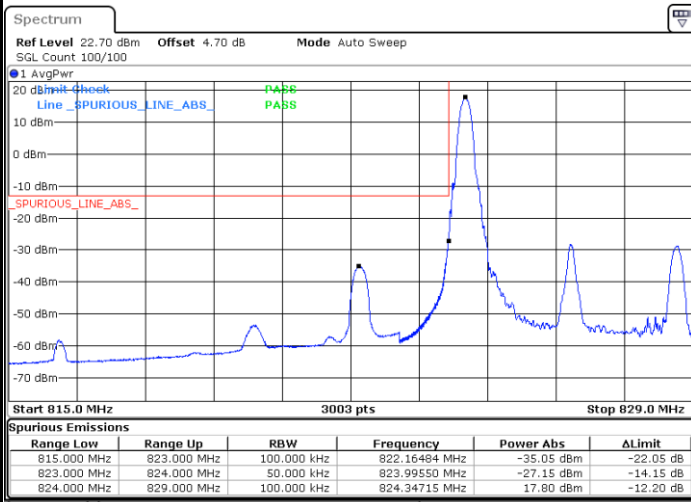


Date: 1.MAY.2020 11:52:01



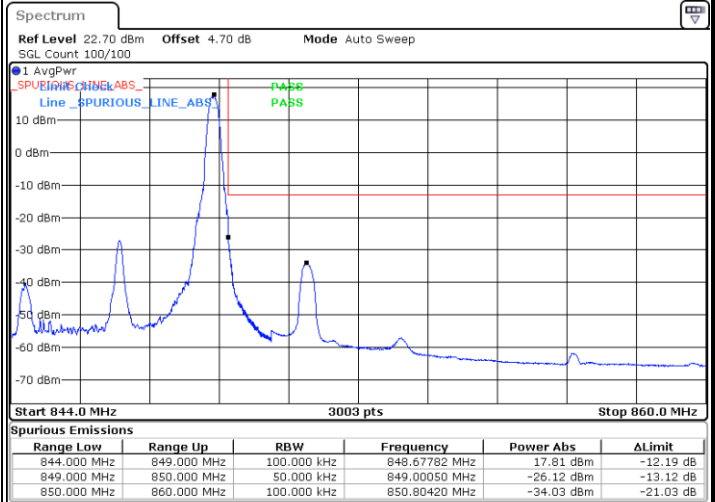
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



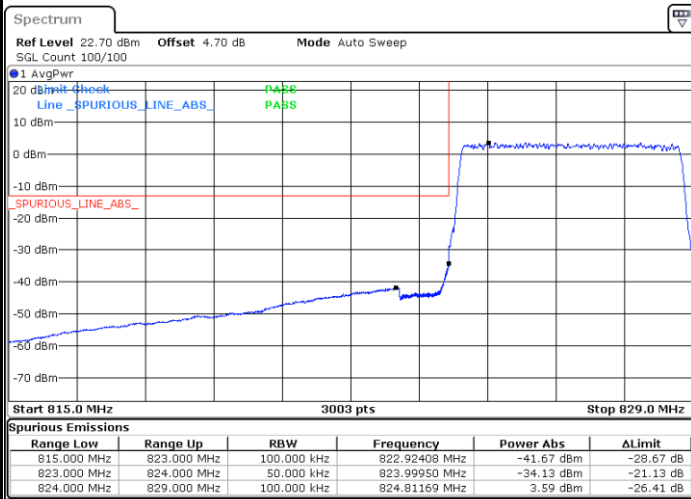
Date: 1.MAY.2020 12:59:03

Highest Band Edge / 1 RB



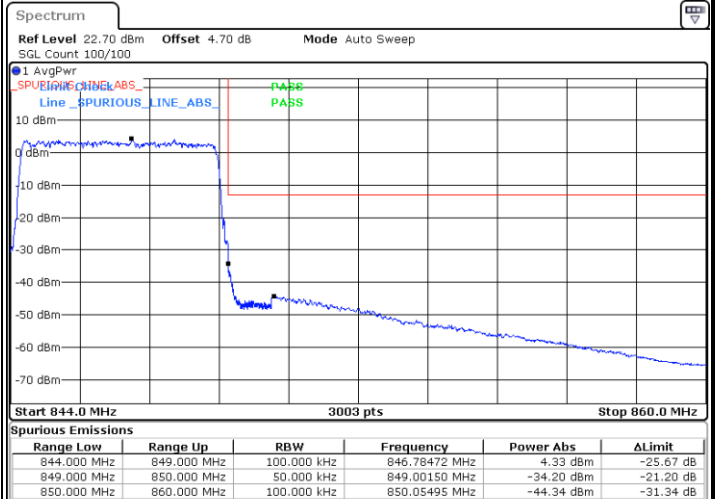
Date: 1.MAY.2020 13:06:14

Lowest Band Edge / Full RB



Date: 1.MAY.2020 12:57:25

Highest Band Edge / Full RB

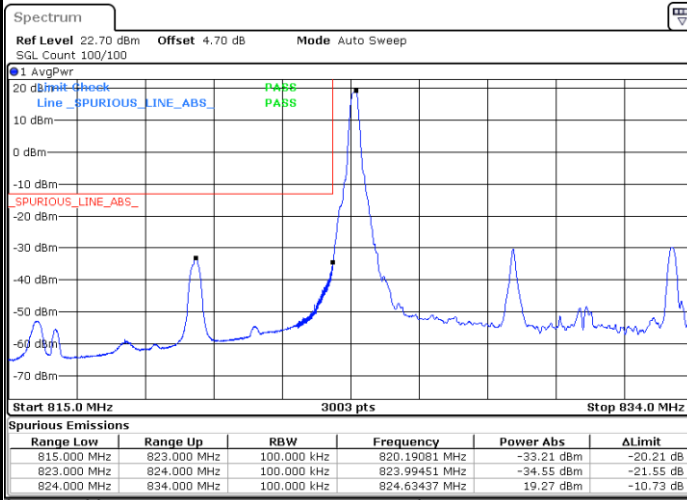


Date: 1.MAY.2020 13:04:37



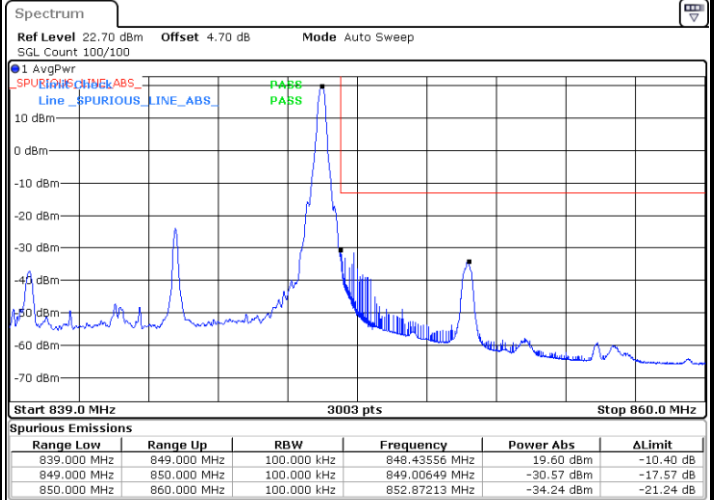
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



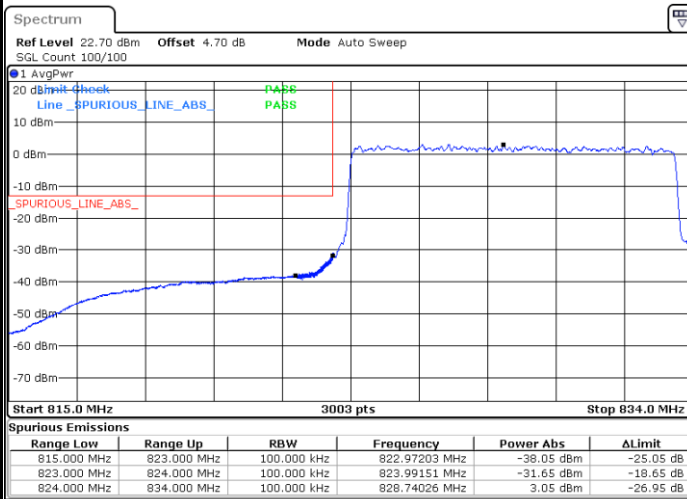
Date: 1 MAY 2020 11:58:39

Highest Band Edge / 1 RB



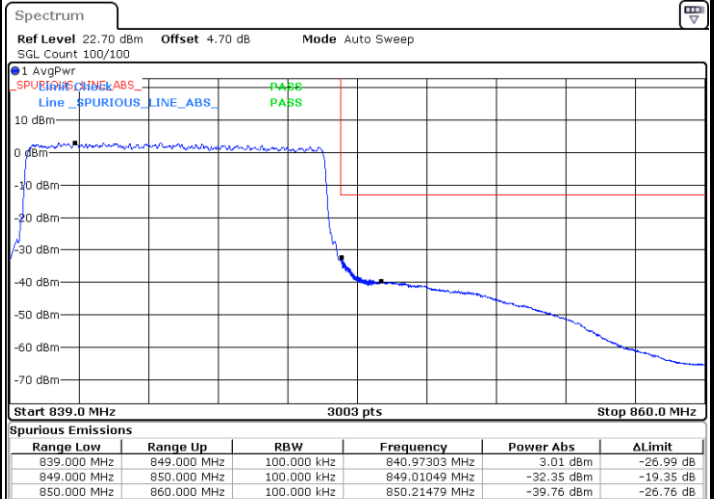
Date: 1 MAY 2020 12:10:08

Lowest Band Edge / Full RB



Date: 1 MAY 2020 12:01:54

Highest Band Edge / Full RB

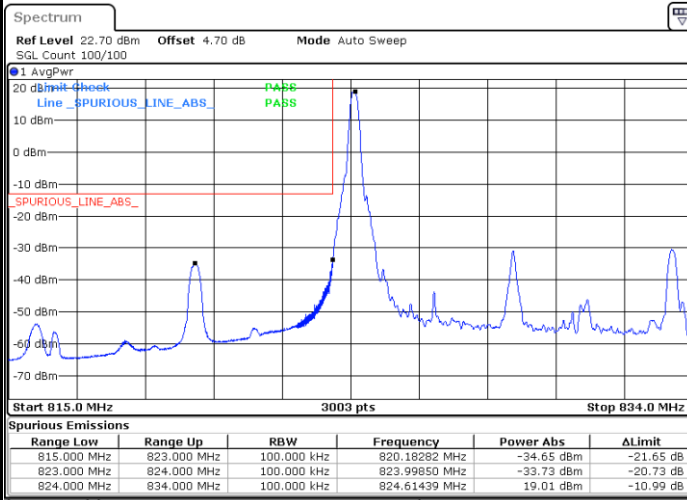


Date: 1 MAY 2020 12:13:23



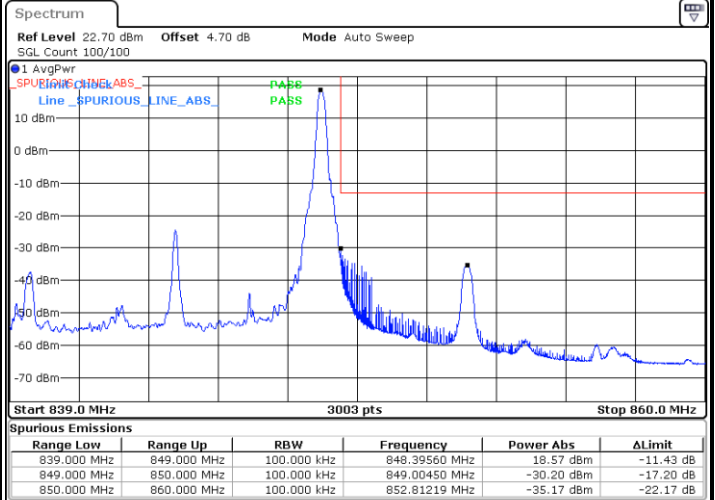
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



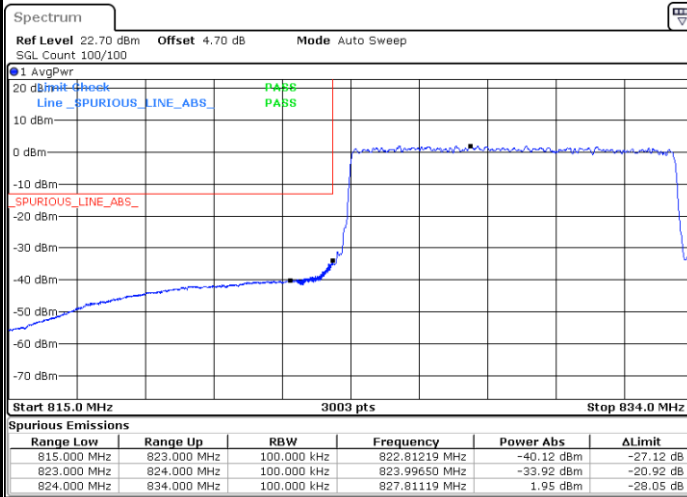
Date: 1.MAY.2020 12:00:16

Highest Band Edge / 1 RB



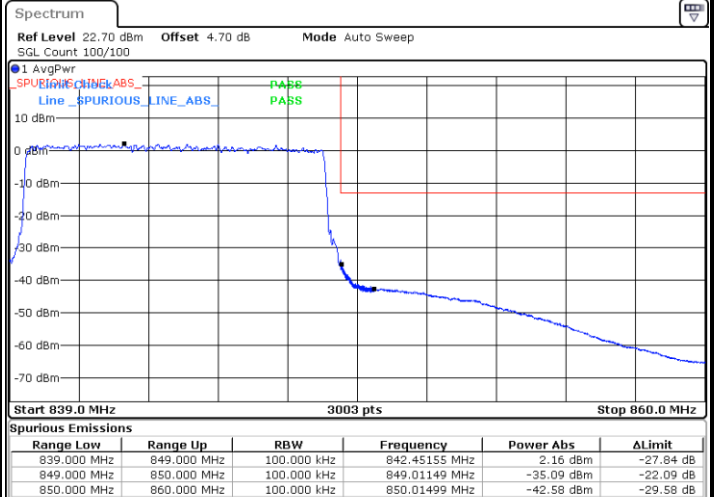
Date: 1.MAY.2020 12:11:45

Lowest Band Edge / Full RB



Date: 1.MAY.2020 12:03:31

Highest Band Edge / Full RB

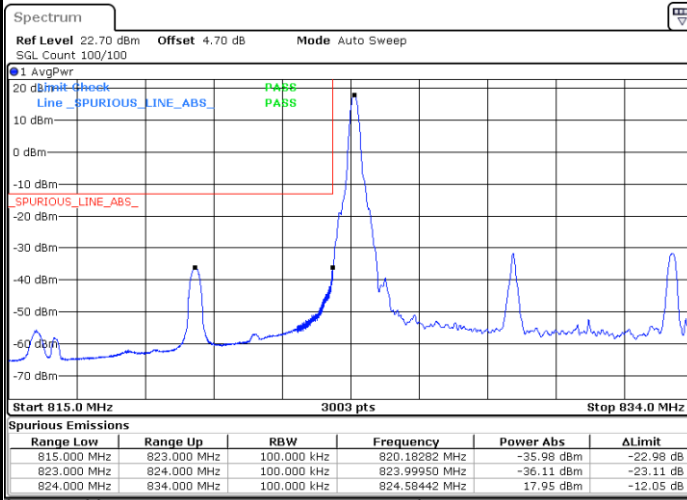


Date: 1.MAY.2020 12:15:00



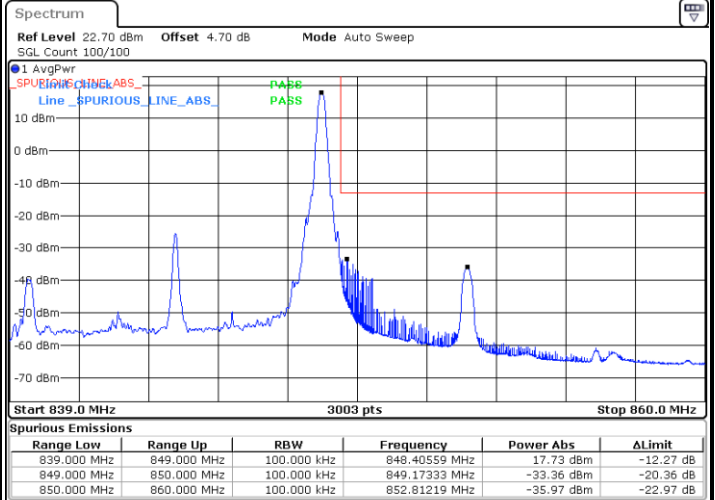
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



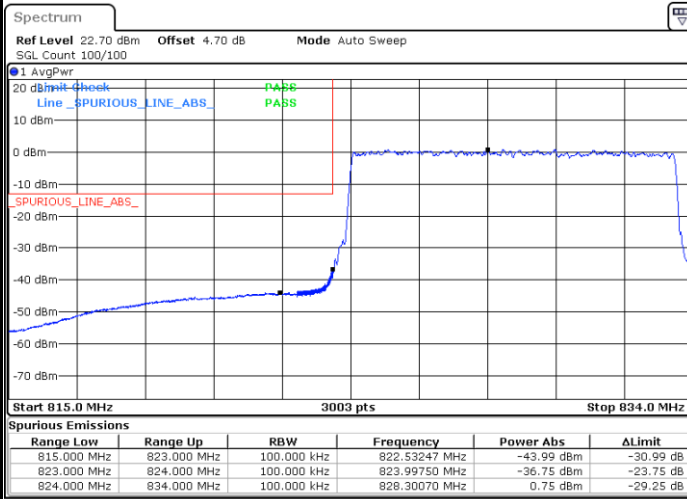
Date: 1.MAY.2020 13:10:44

Highest Band Edge / 1 RB



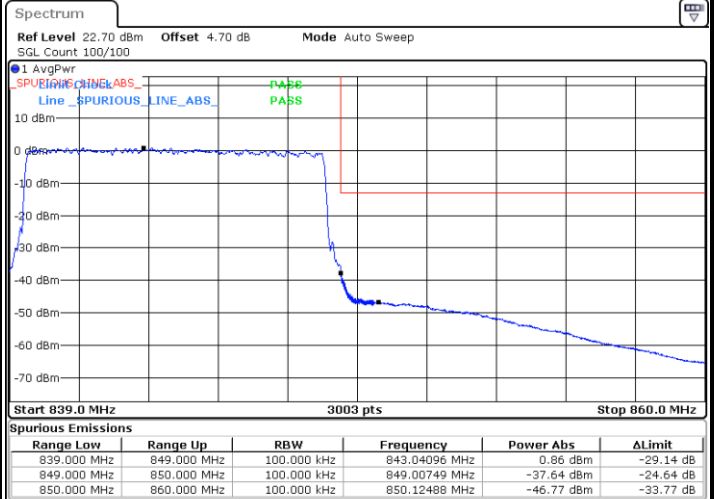
Date: 1.MAY.2020 13:16:28

Lowest Band Edge / Full RB



Date: 1.MAY.2020 13:09:06

Highest Band Edge / Full RB

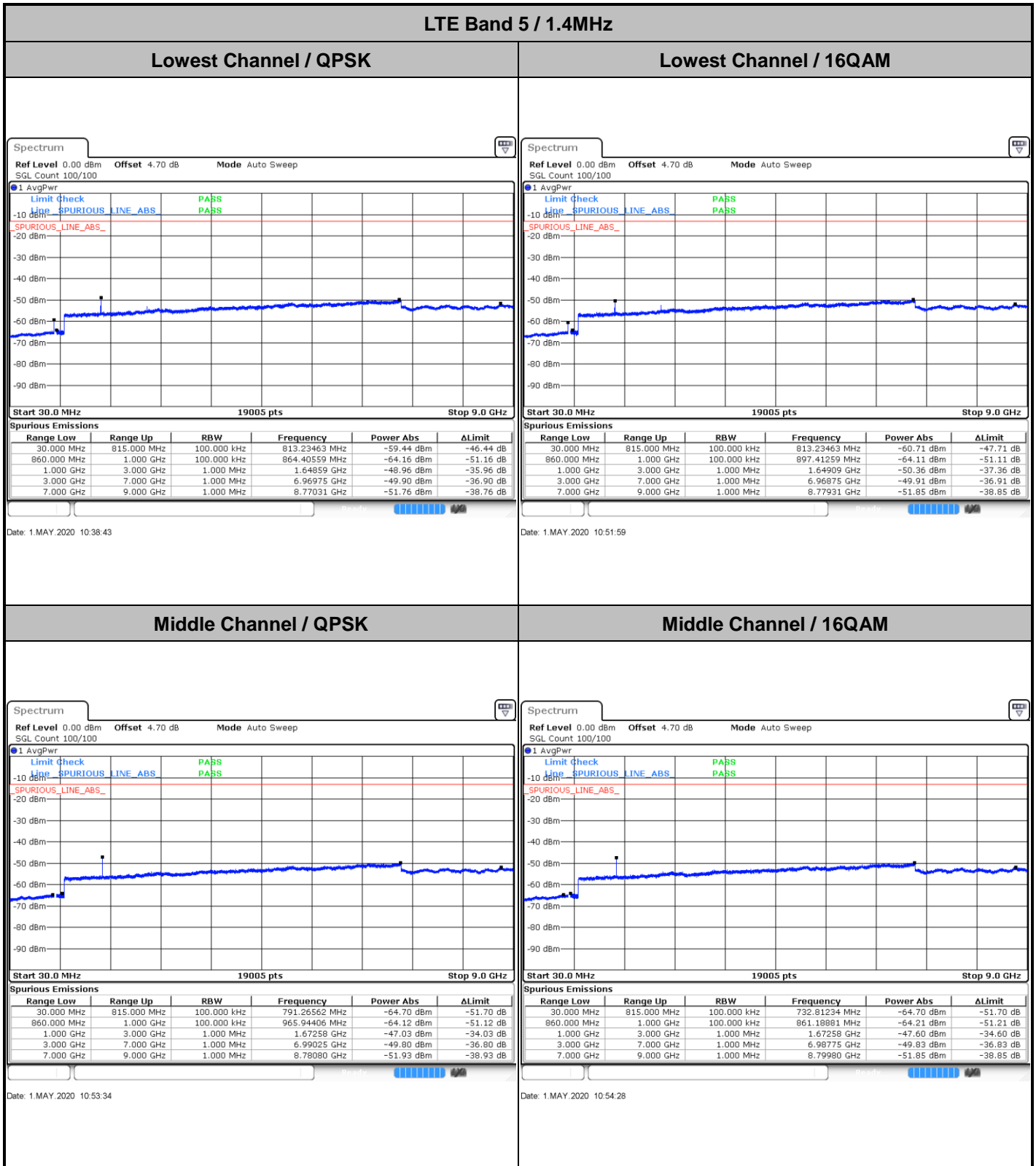


Date: 1.MAY.2020 13:14:51





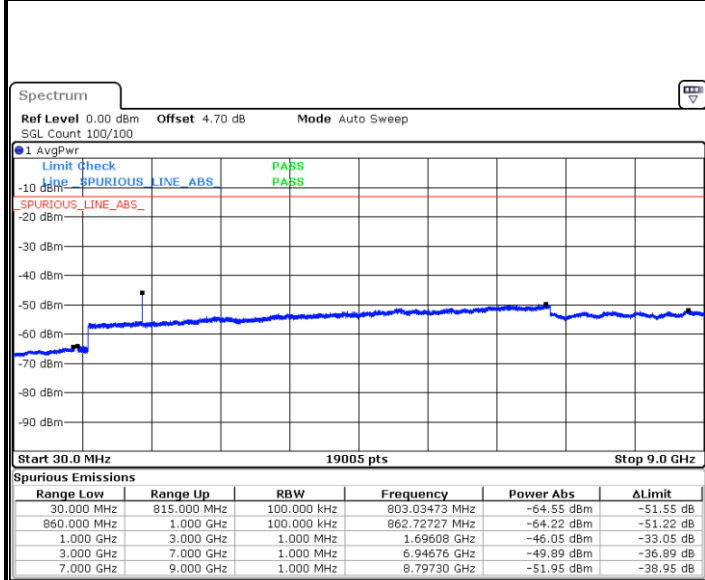
# Conducted Spurious Emission





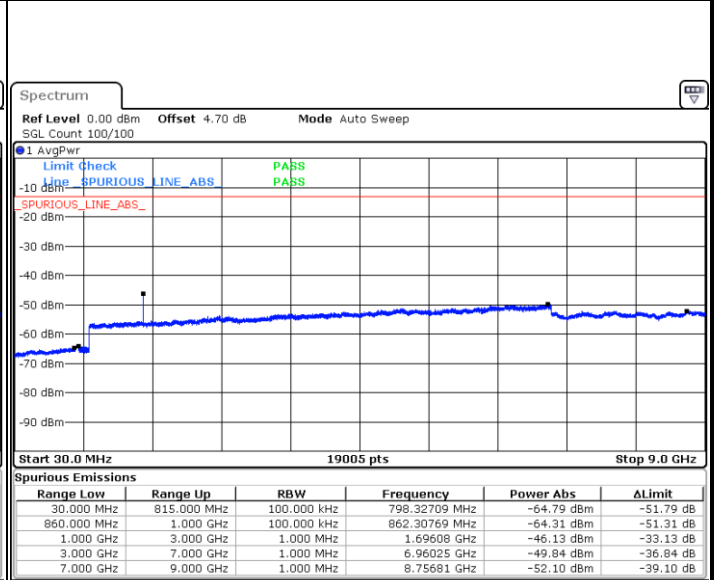
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 1.MAY.2020 11:02:33

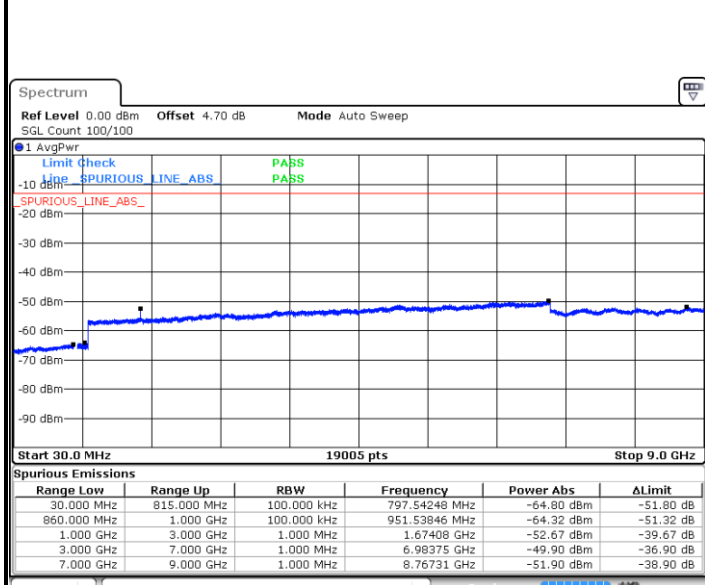
Highest Channel / 16QAM



Date: 1.MAY.2020 11:03:28

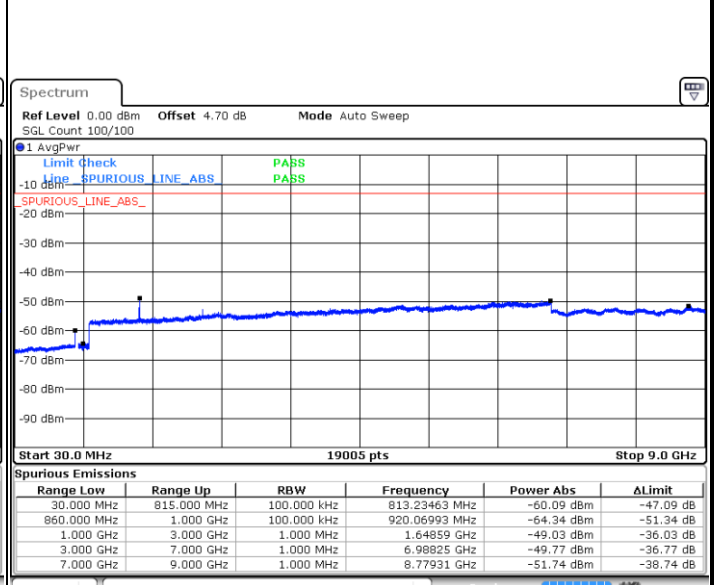
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 1.MAY.2020 11:16:48

Lowest Channel / 16QAM



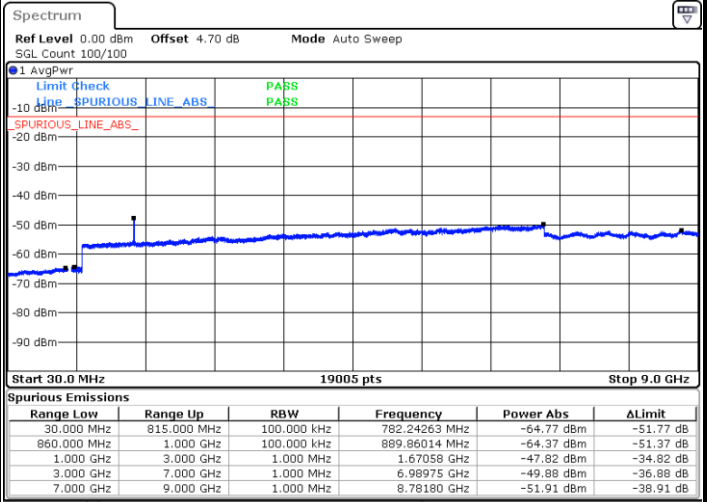
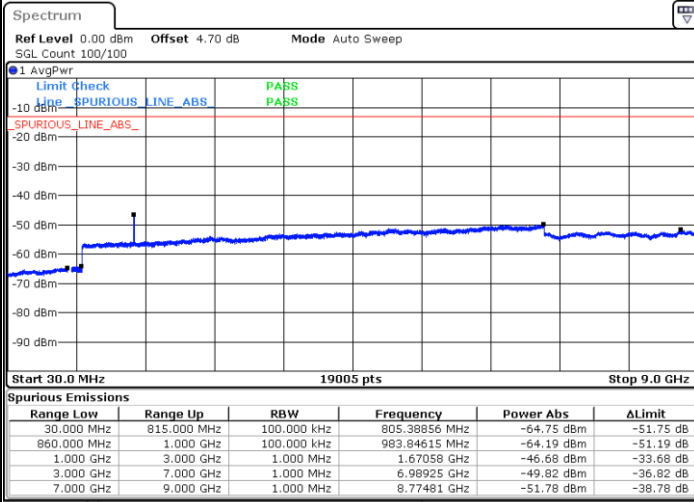
Date: 1.MAY.2020 11:17:42



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

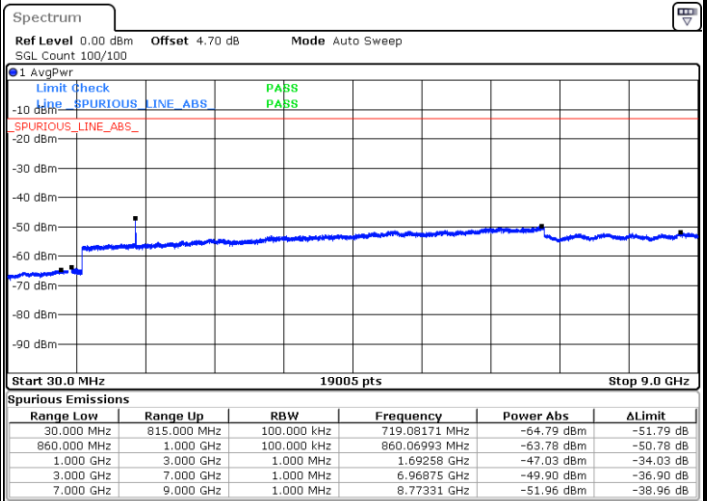
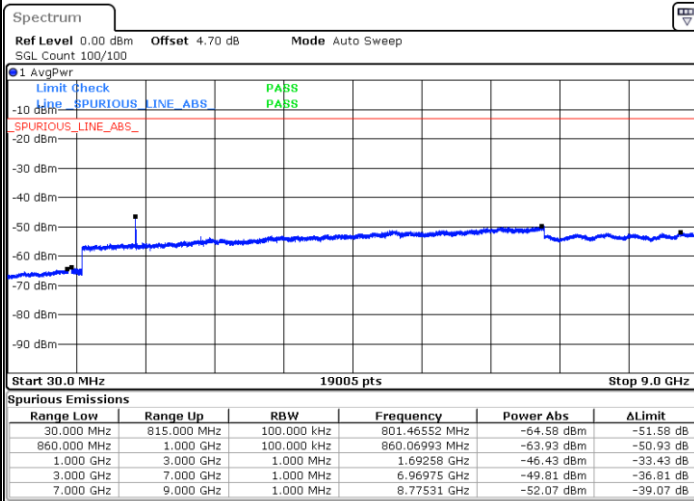


Date: 1.MAY.2020 11:19:17

Date: 1.MAY.2020 11:20:12

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.MAY.2020 11:28:16

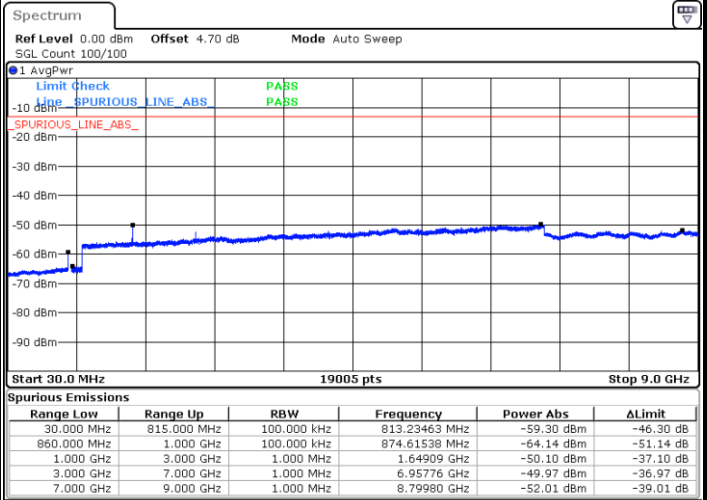
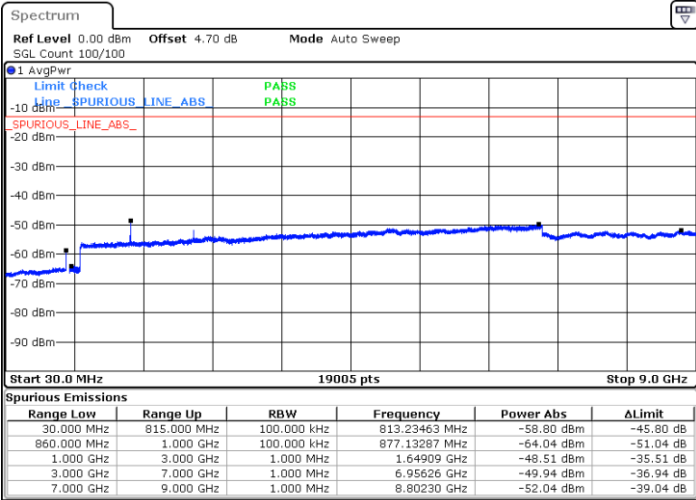
Date: 1.MAY.2020 11:31:36



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

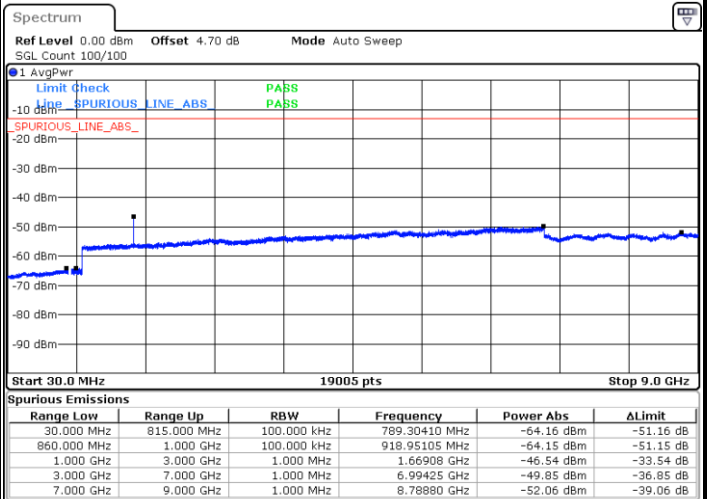
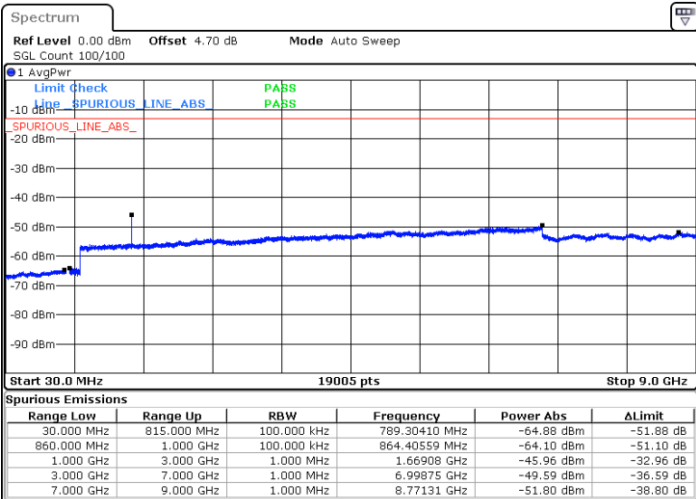


Date: 1.MAY.2020 11:39:40

Date: 1.MAY.2020 11:40:35

Middle Channel / QPSK

Middle Channel / 16QAM



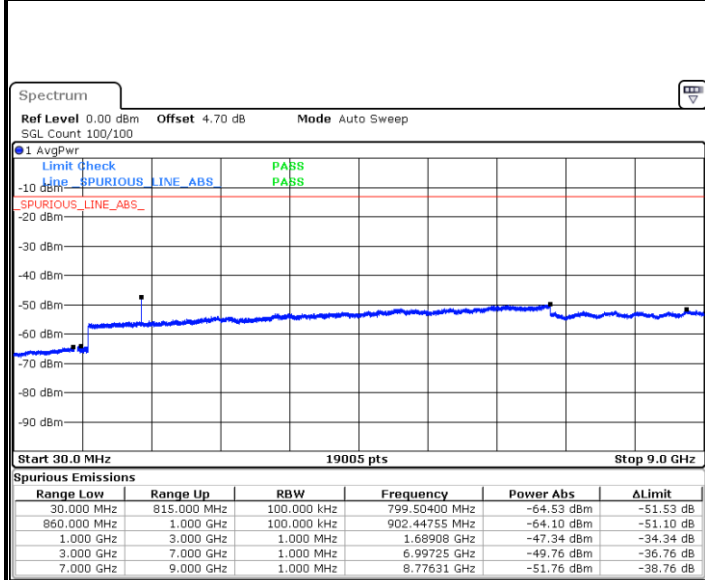
Date: 1.MAY.2020 11:42:10

Date: 1.MAY.2020 11:43:04



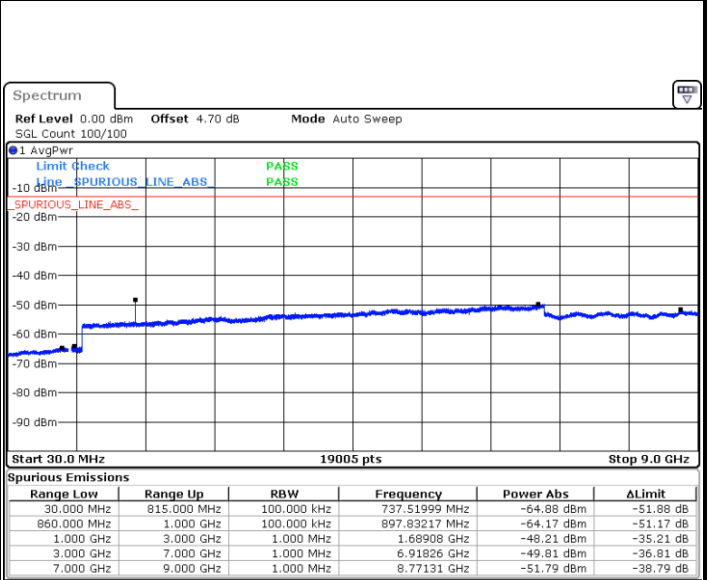
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 1.MAY.2020 11:52:55

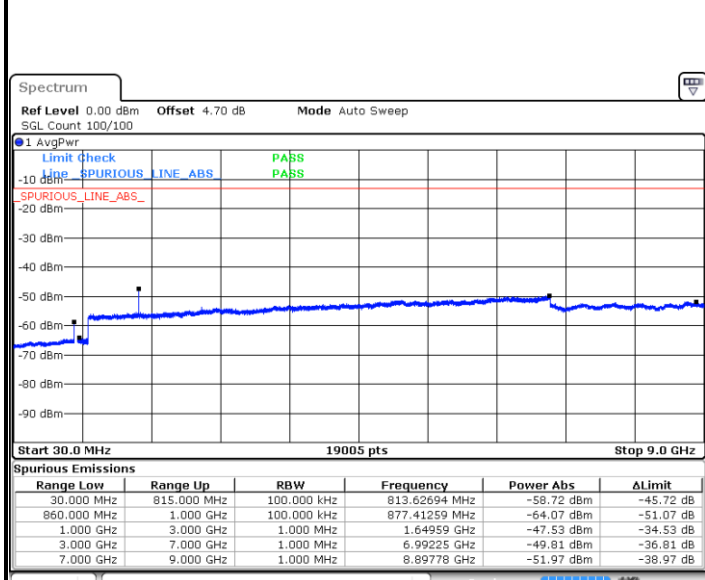
Highest Channel / 16QAM



Date: 1.MAY.2020 11:55:11

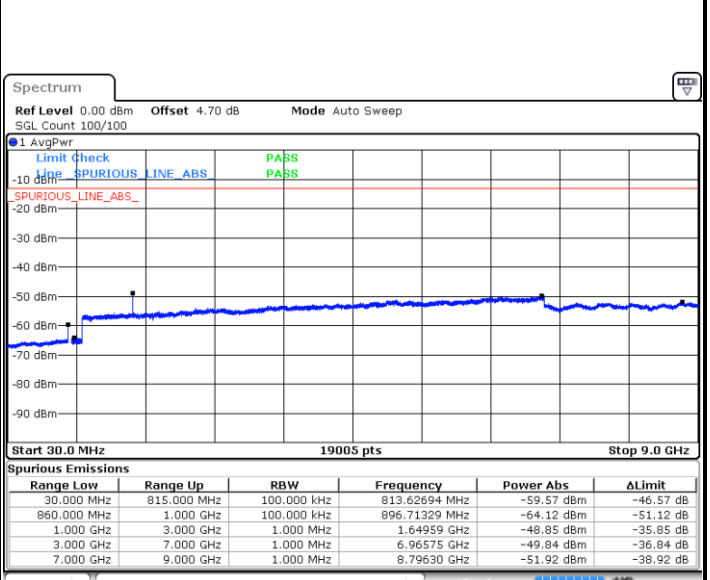
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 1.MAY.2020 12:04:25

Lowest Channel / 16QAM

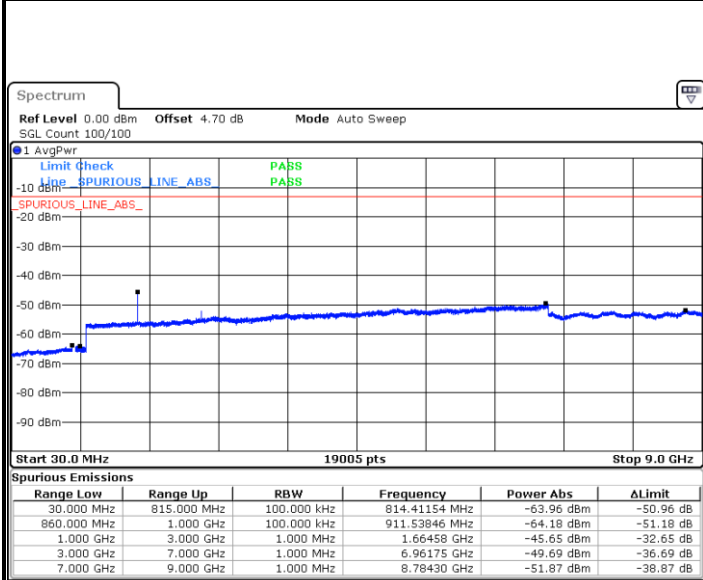


Date: 1.MAY.2020 12:05:19



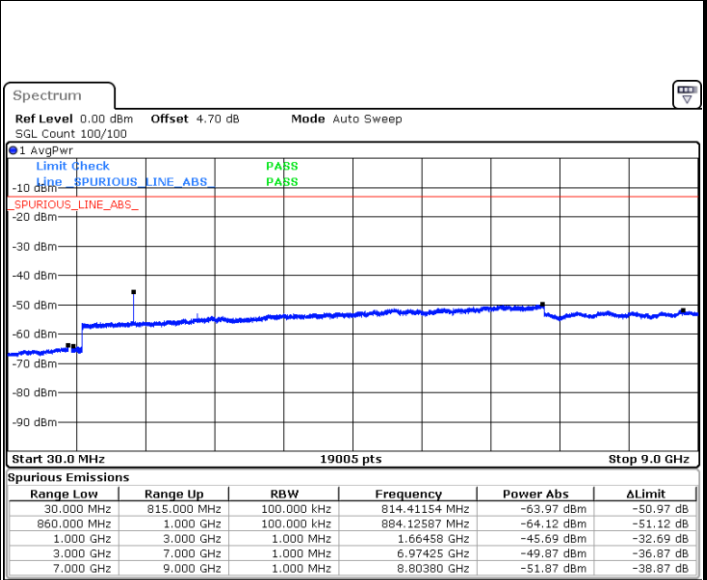
LTE Band 5 / 10MHz

Middle Channel / QPSK



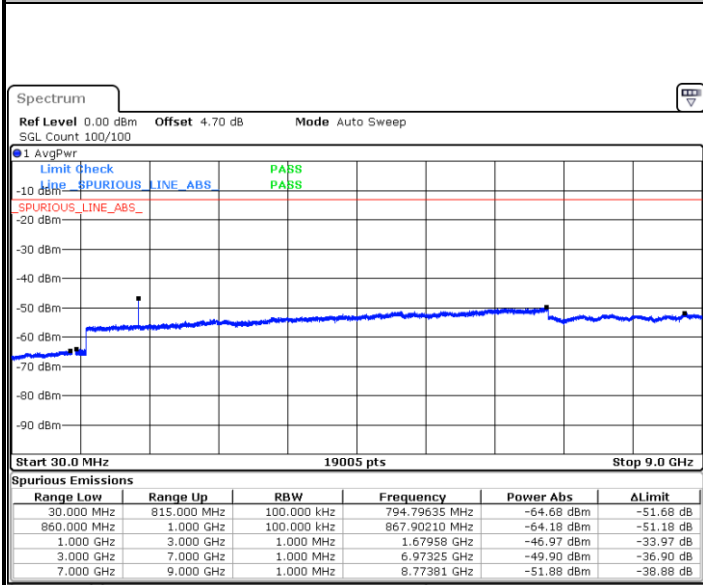
Date: 1.MAY.2020 12:06:54

Middle Channel / 16QAM



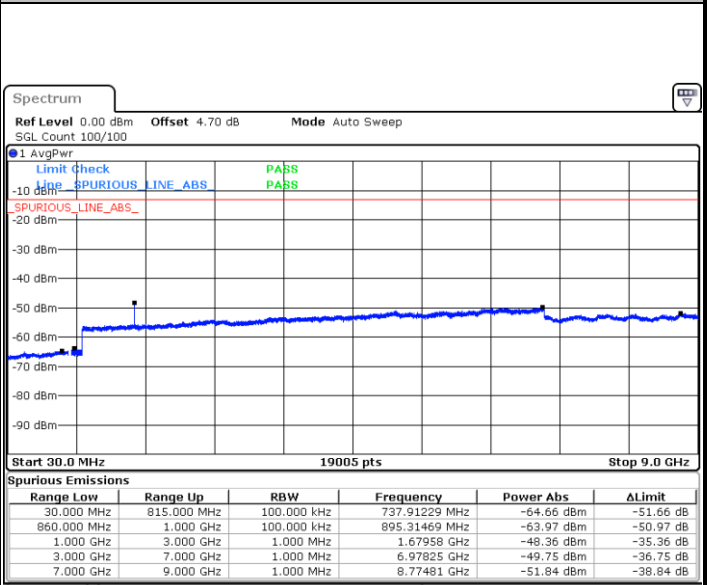
Date: 1.MAY.2020 12:07:49

Highest Channel / QPSK



Date: 1.MAY.2020 12:15:54

Highest Channel / 16QAM



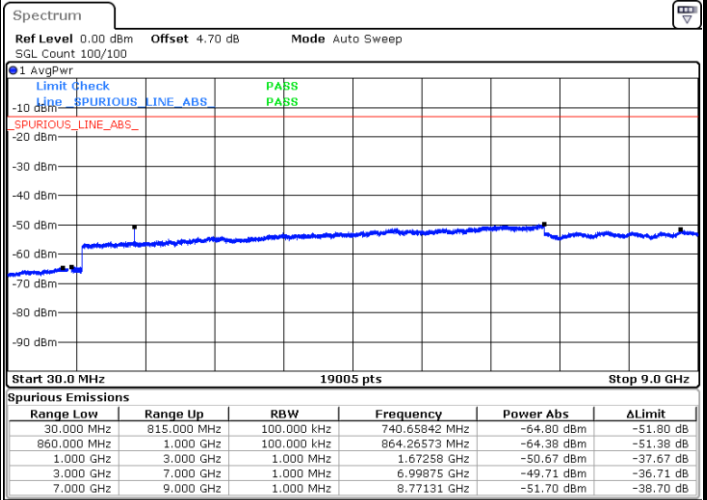
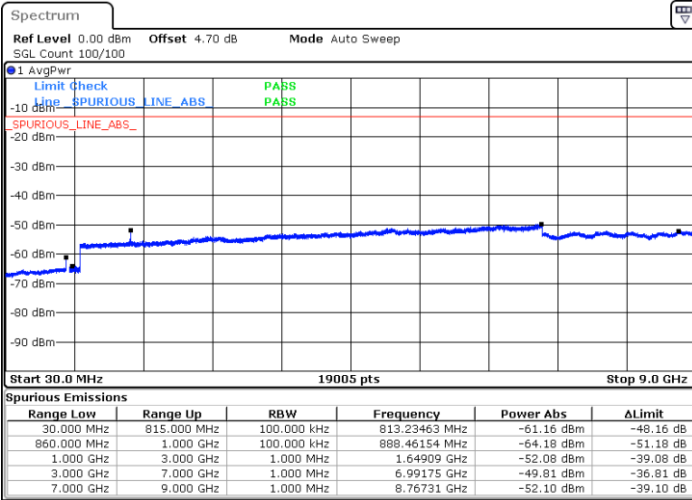
Date: 1.MAY.2020 12:16:48



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

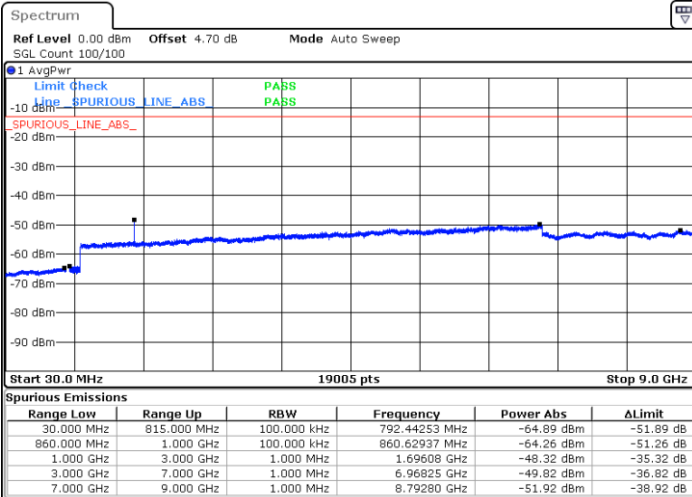
Middle Channel / 64QAM



Date: 1.MAY.2020 12:22:27

Date: 1.MAY.2020 12:23:21

Highest Channel / 64QAM

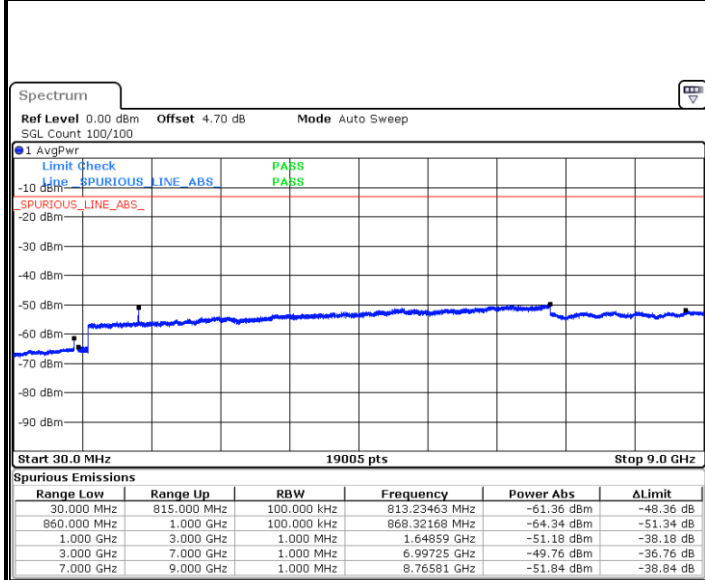


Date: 1.MAY.2020 12:30:14



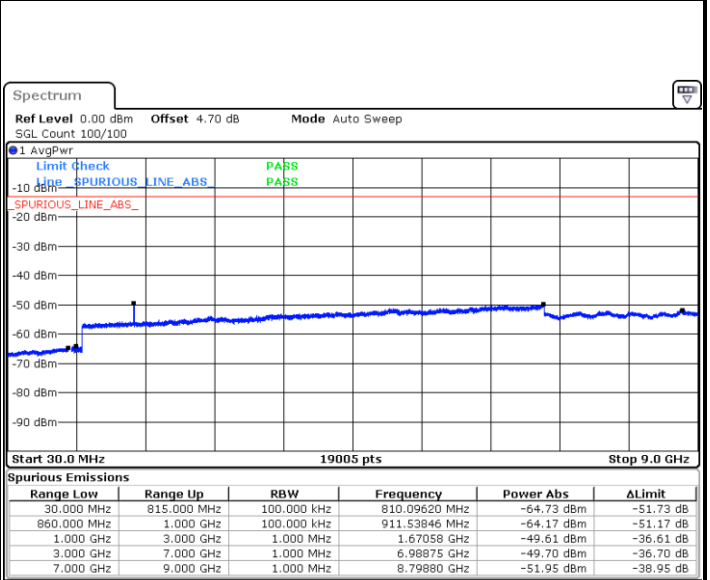
**LTE Band 5 / 3MHz**

**Lowest Channel / 64QAM**



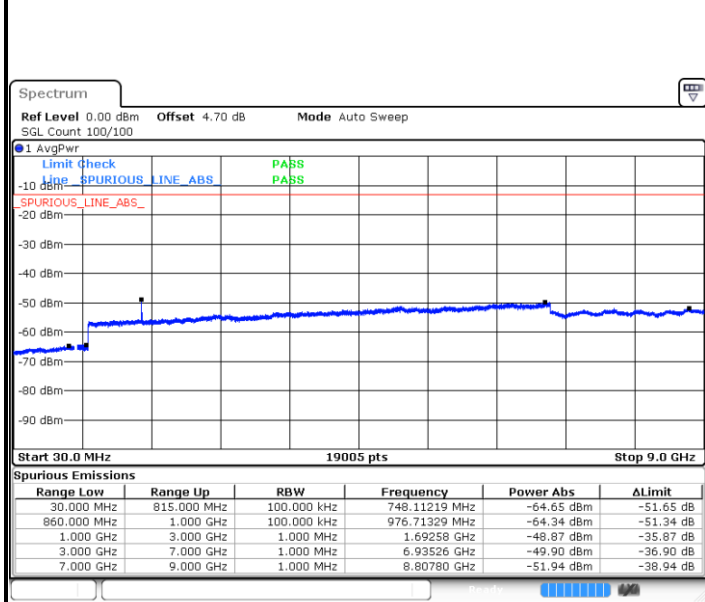
Date: 1.MAY.2020 12:36:27

**Middle Channel / 64QAM**



Date: 1.MAY.2020 12:47:44

**Highest Channel / 64QAM**

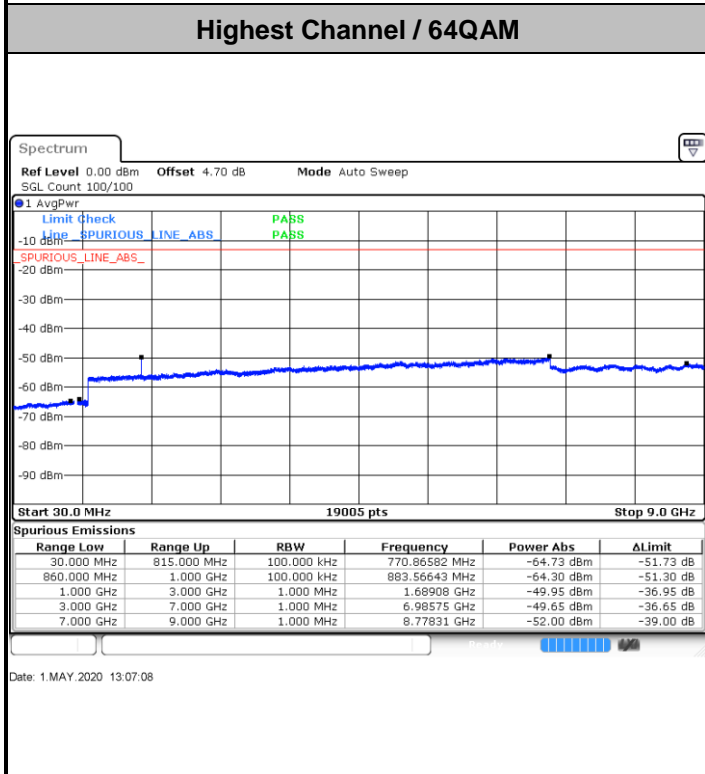
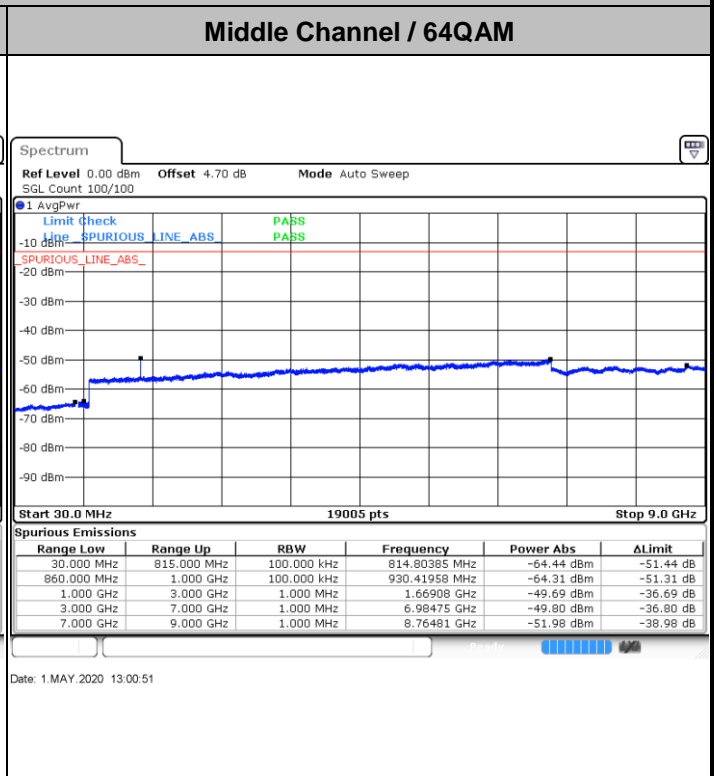
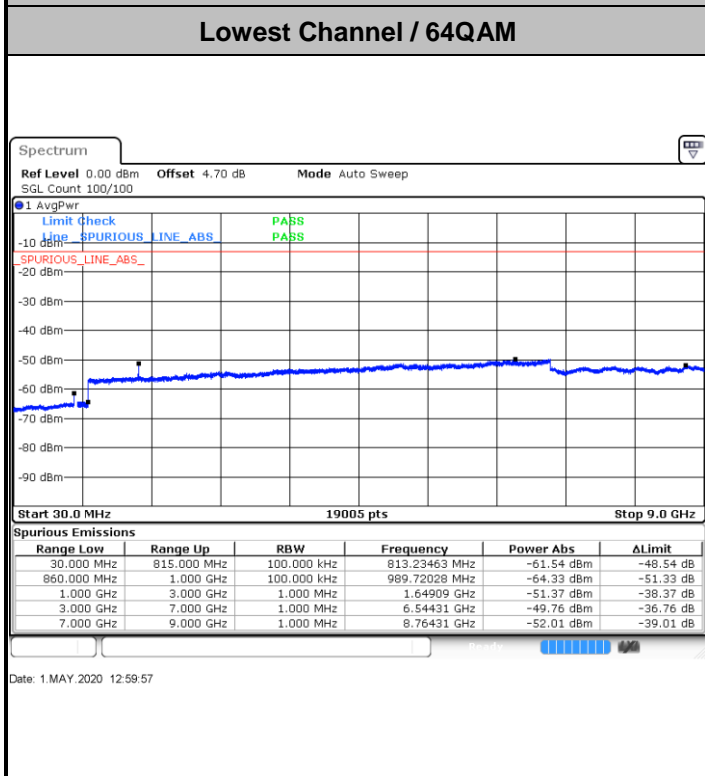


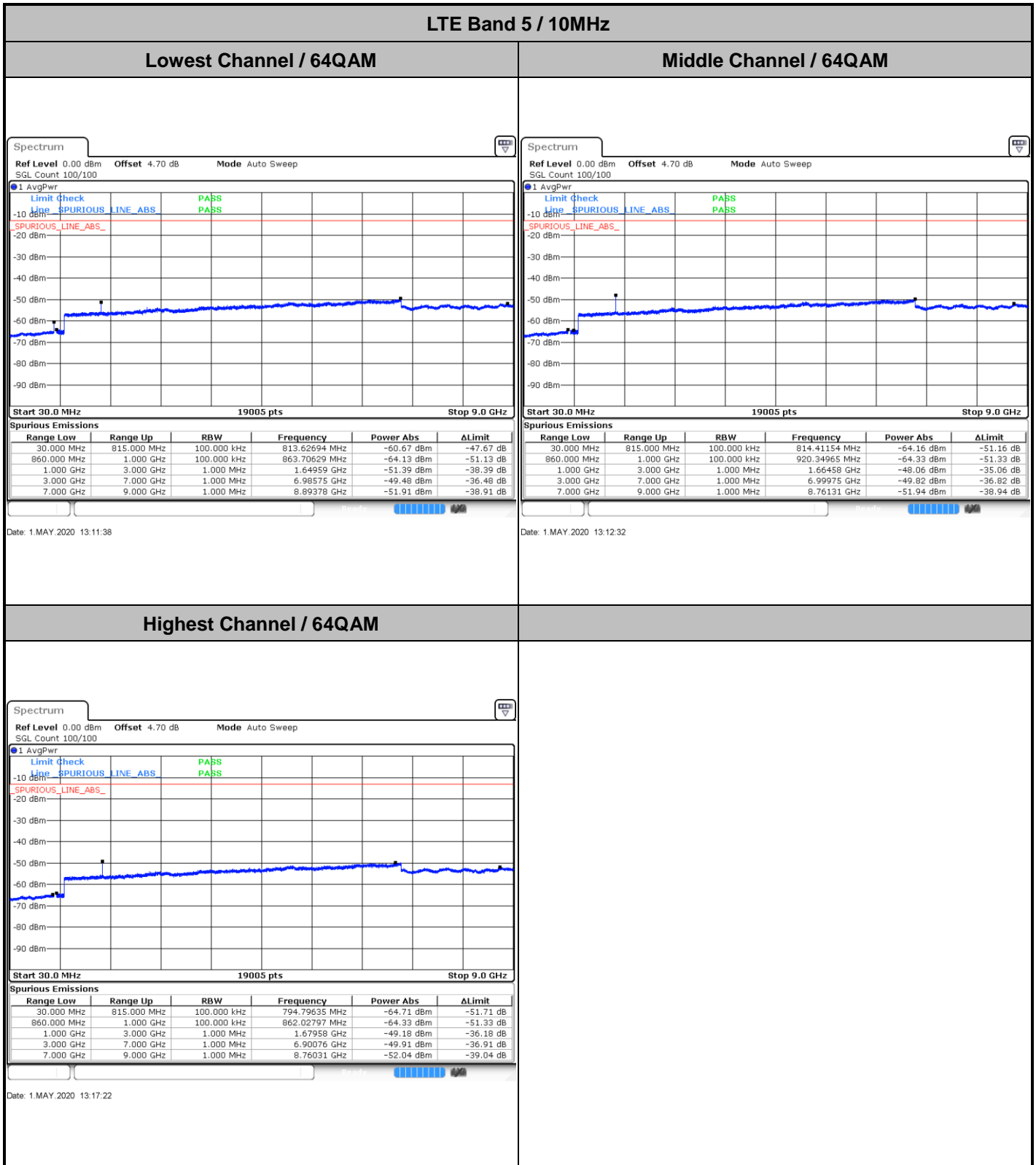
Date: 1.MAY.2020 12:52:54





**LTE Band 5 / 5MHz**







Frequency Stability

| Test Conditions  |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|------------------|-------------------|------------------------------------|--------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | 2.5ppm |
|                  |                   | Deviation (ppm)                    | Result |
| 50               | Normal Voltage    | 0.0001                             | PASS   |
| 40               | Normal Voltage    | 0.0018                             |        |
| 30               | Normal Voltage    | 0.0050                             |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |        |
| 10               | Normal Voltage    | 0.0056                             |        |
| 0                | Normal Voltage    | 0.0059                             |        |
| -10              | Normal Voltage    | 0.0051                             |        |
| -20              | Normal Voltage    | 0.0023                             |        |
| -30              | Normal Voltage    | 0.0010                             |        |
| 20               | Maximum Voltage   | 0.0051                             |        |
| 20               | Normal Voltage    | 0.0060                             |        |
| 20               | Battery End Point | 0.0012                             |        |

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.



# LTE Band 7

## Peak-to-Average Ratio

| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.62               | 4.70    | 5.13  | 5.71    | PASS        |
| Middle CH  | 4.06               | 4.70    | 4.84  | 5.68    |             |
| Highest CH | 3.07               | 4.70    | 4.72  | 5.62    |             |
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
| Mod.       | 64QAM              |         |       |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB |       |         | Result      |
| Lowest CH  | 5.07               | 5.68    | -     | -       | PASS        |
| Middle CH  | 5.22               | 5.65    | -     | -       |             |
| Highest CH | 4.78               | 5.62    | -     | -       |             |