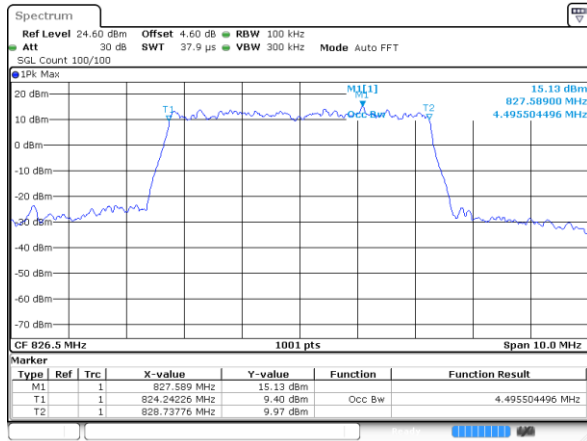




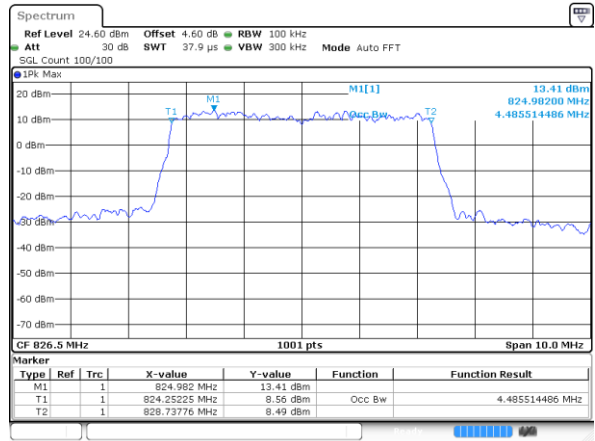
## LTE Band 5

## Lowest Channel / 5MHz / QPSK



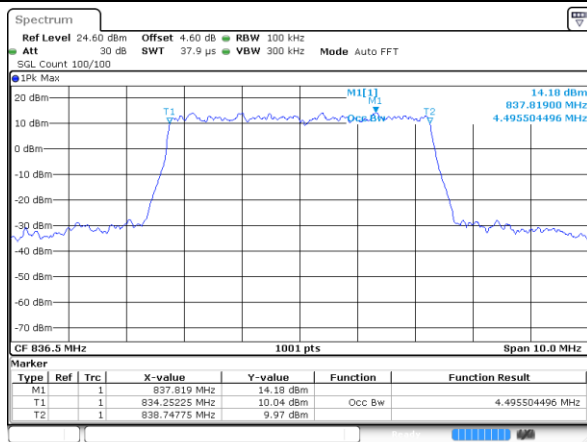
Date: 5 AUG 2020 20:58:08

## Lowest Channel / 5MHz / 16QAM



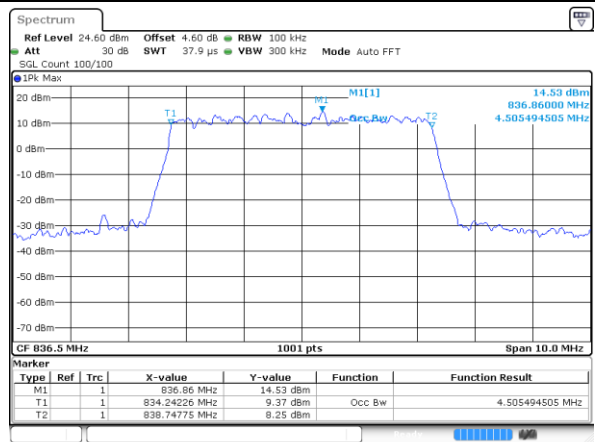
Date: 5 AUG 2020 20:58:18

## Middle Channel / 5MHz / QPSK



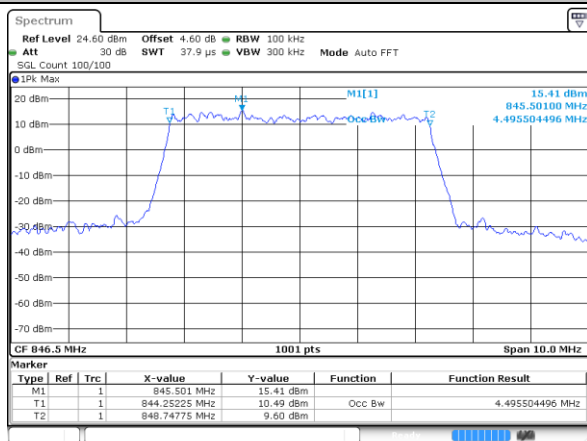
Date: 5 AUG 2020 21:07:09

## Middle Channel / 5MHz / 16QAM



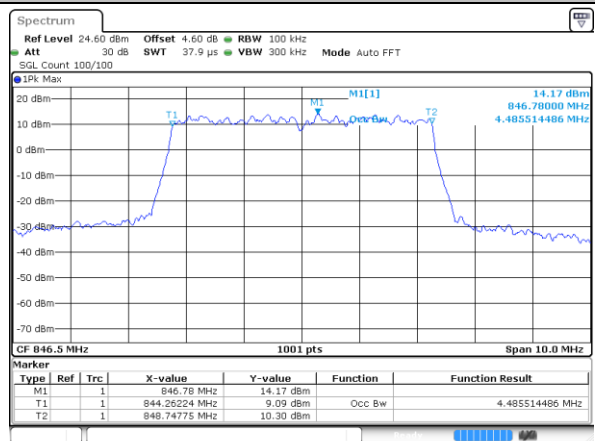
Date: 5 AUG 2020 21:07:19

## Highest Channel / 5MHz / QPSK



Date: 5 AUG 2020 21:09:36

## Highest Channel / 5MHz / 16QAM

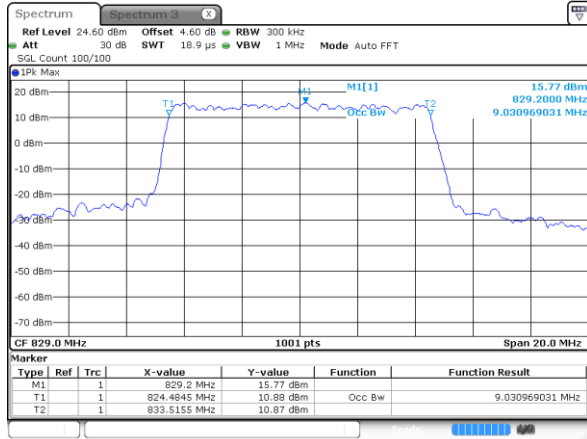


Date: 5 AUG 2020 21:09:46

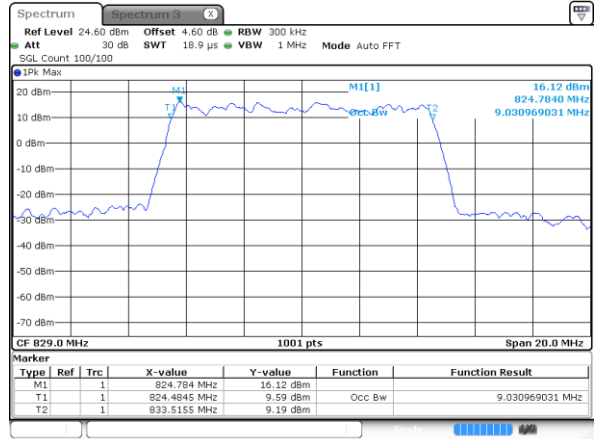


## LTE Band 5

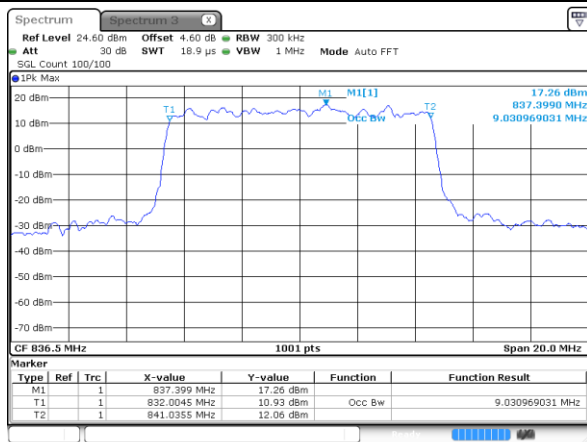
## Lowest Channel / 10MHz / QPSK



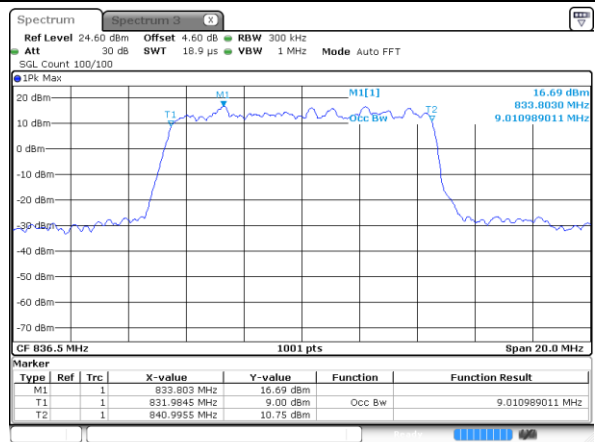
## Lowest Channel / 10MHz / 16QAM



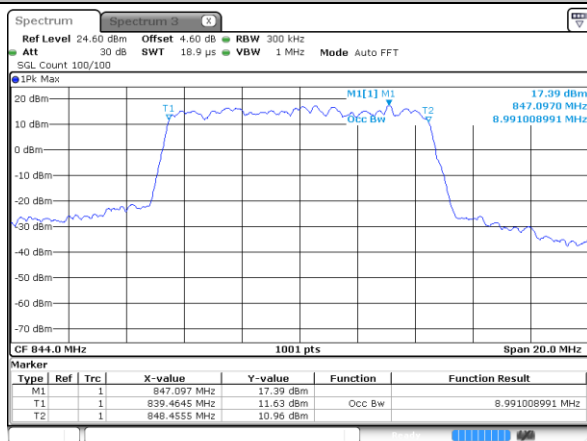
## Middle Channel / 10MHz / QPSK



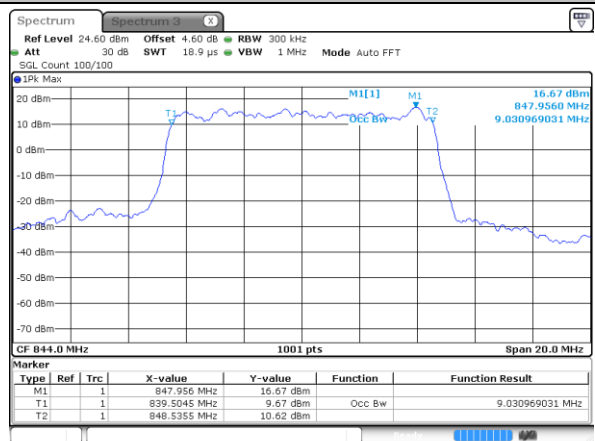
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



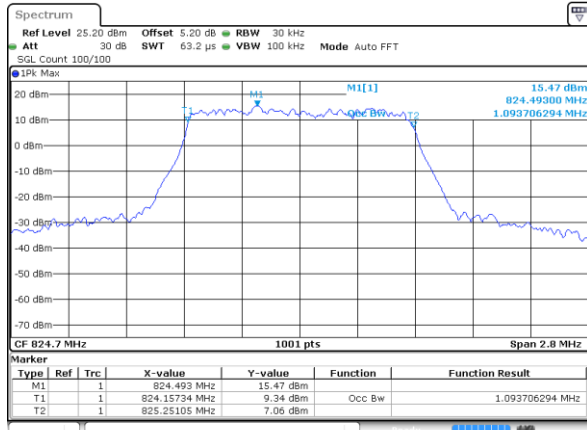
## Highest Channel / 10MHz / 16QAM





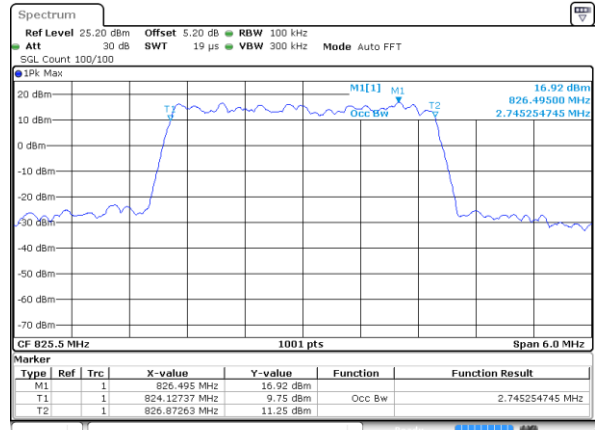
## LTE Band 5

## Lowest Channel / 1.4MHz / 64QAM



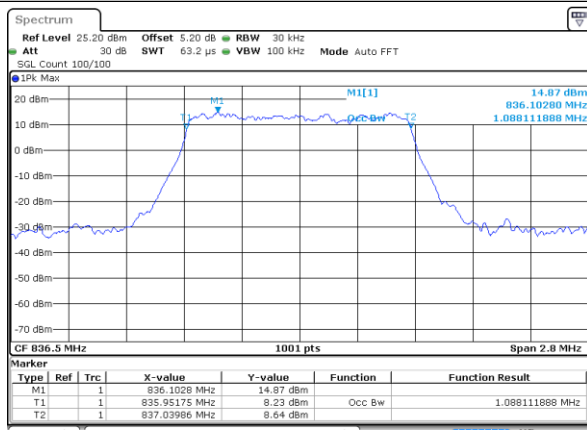
Date: 24 AUG 2020 19:26:14

## Lowest Channel / 3MHz / 64QAM



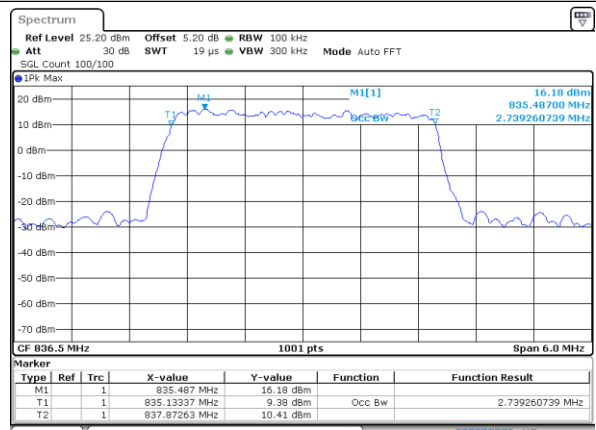
Date: 24 AUG 2020 19:36:30

## Middle Channel / 1.4MHz / 64QAM



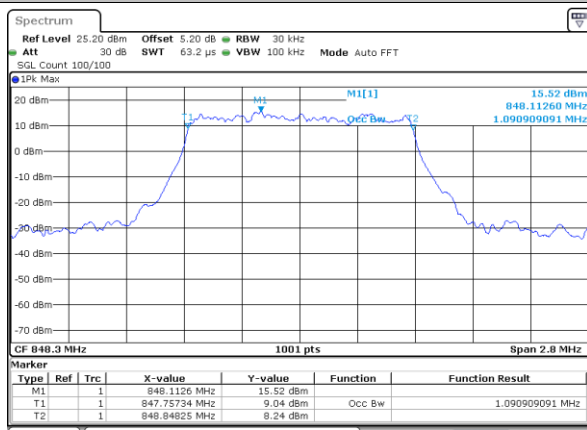
Date: 24 AUG 2020 19:31:39

## Middle Channel / 3MHz / 64QAM



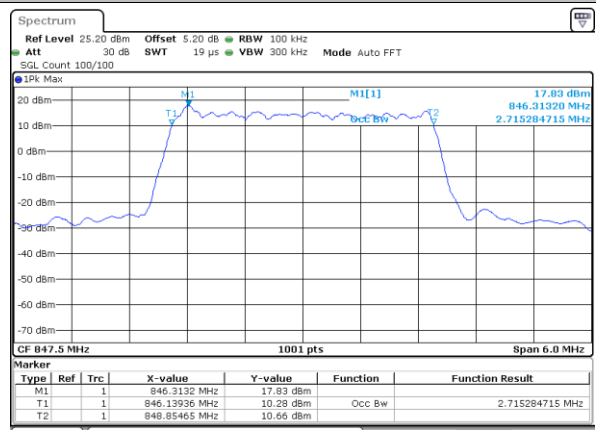
Date: 24 AUG 2020 19:41:55

## Highest Channel / 1.4MHz / 64QAM



Date: 24 AUG 2020 19:31:59

## Highest Channel / 3MHz / 64QAM

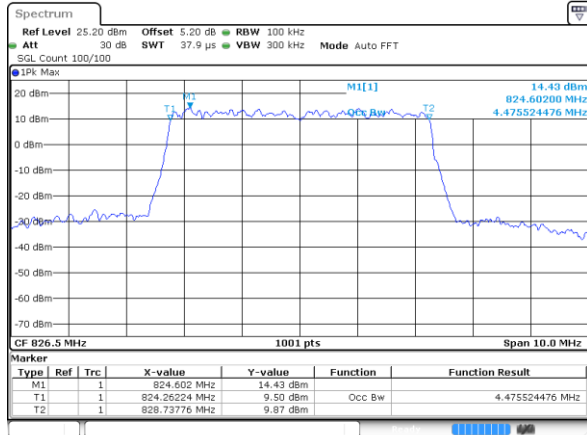


Date: 24 AUG 2020 19:42:15



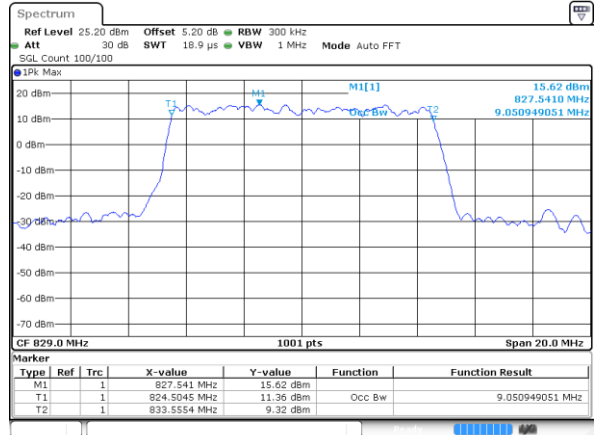
## LTE Band 5

## Lowest Channel / 5MHz / 64QAM



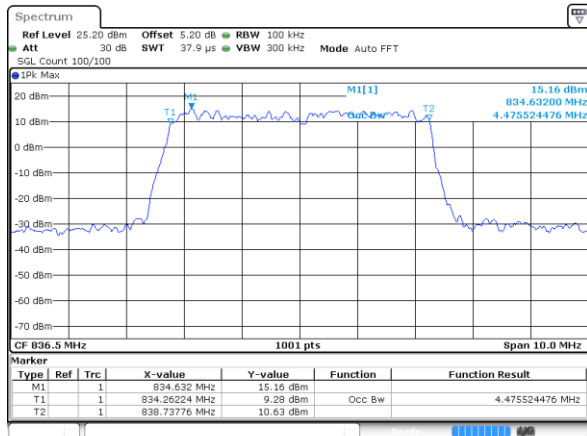
Date: 24 AUG 2020 19:46:46

## Lowest Channel / 10MHz / 64QAM



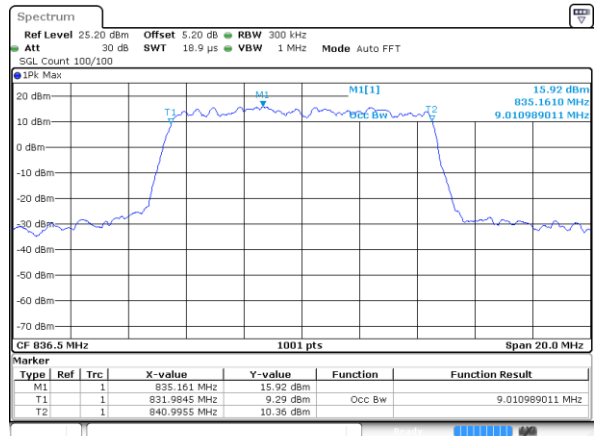
Date: 24 AUG 2020 19:57:02

## Middle Channel / 5MHz / 64QAM



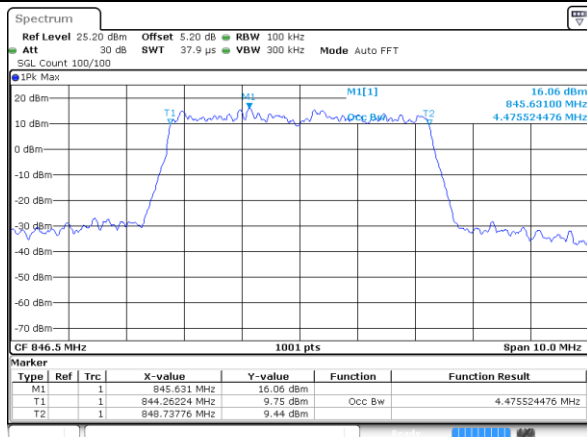
Date: 24 AUG 2020 19:52:11

## Middle Channel / 10MHz / 64QAM



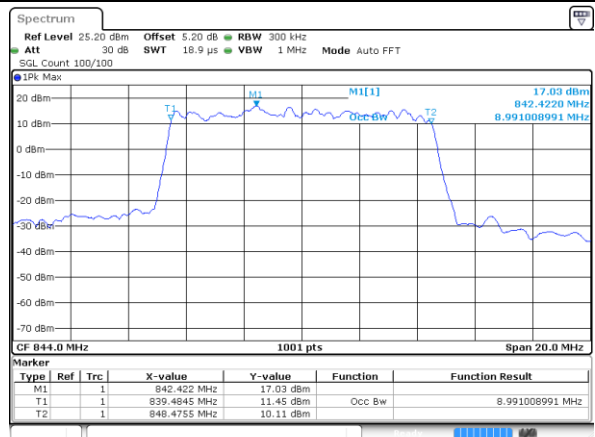
Date: 24 AUG 2020 20:02:27

## Highest Channel / 5MHz / 64QAM



Date: 24 AUG 2020 19:52:31

## Highest Channel / 10MHz / 64QAM



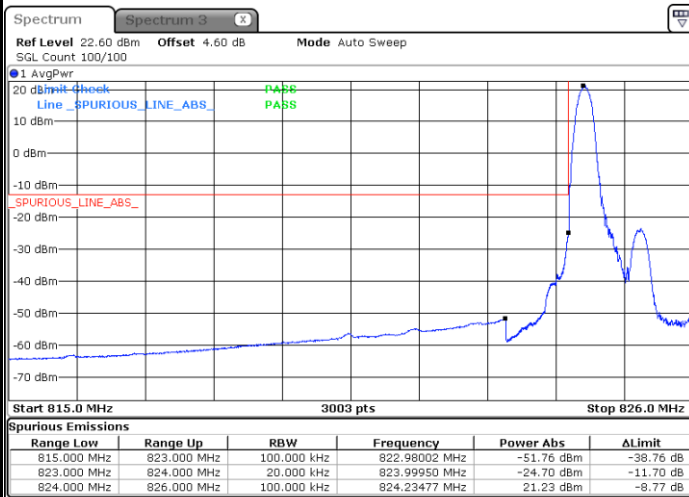
Date: 24 AUG 2020 20:02:47



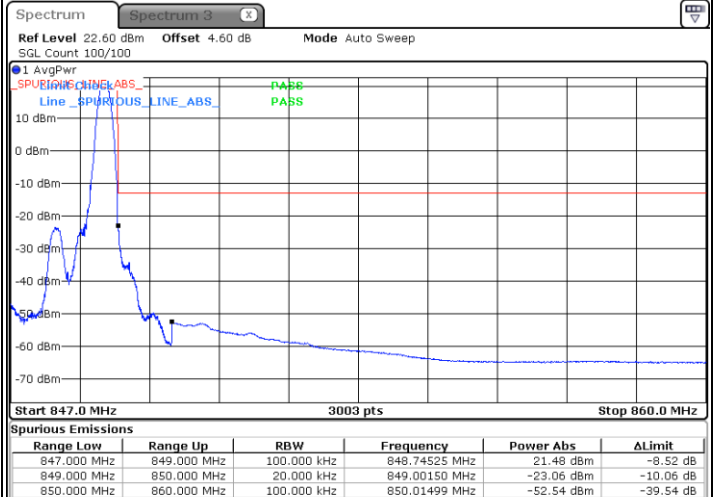
## Conducted Band Edge

### LTE Band 5 / 1.4MHz / QPSK

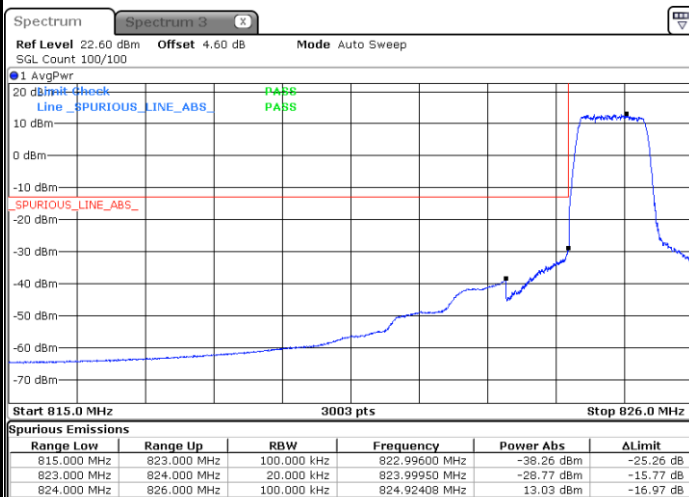
#### Lowest Band Edge / 1RB



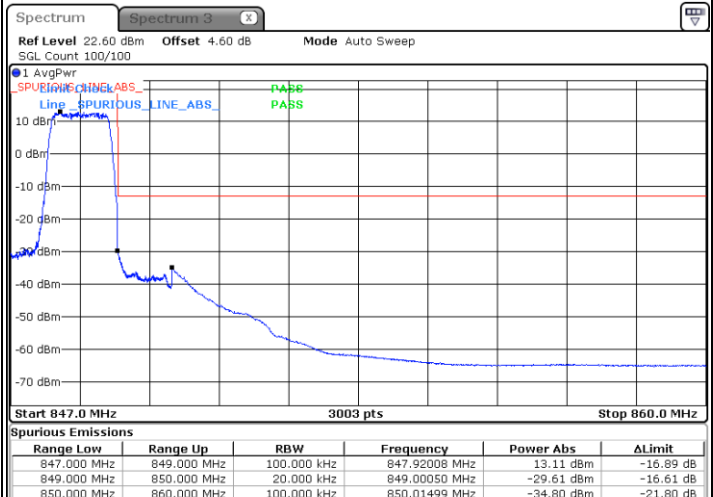
#### Highest Band Edge / 1RB



#### Lowest Band Edge / Full RB



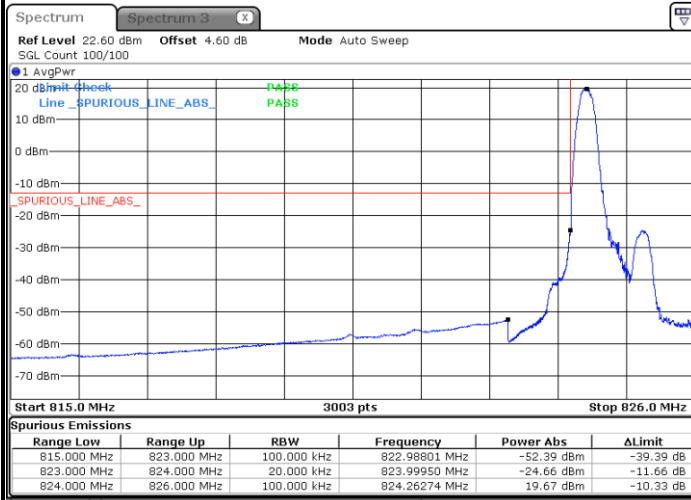
#### Highest Band Edge / Full RB



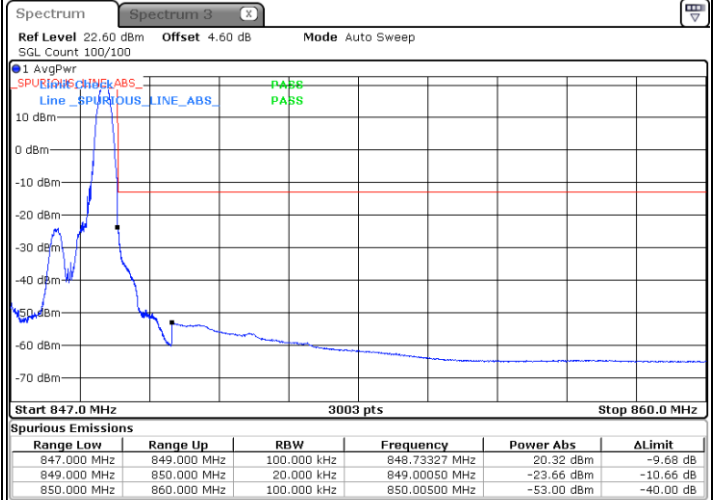


## LTE Band 5 / 1.4MHz / 16QAM

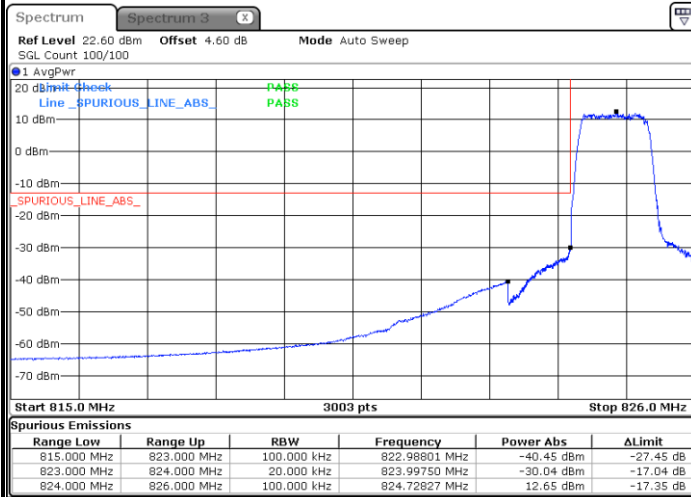
## Lowest Band Edge / 1 RB



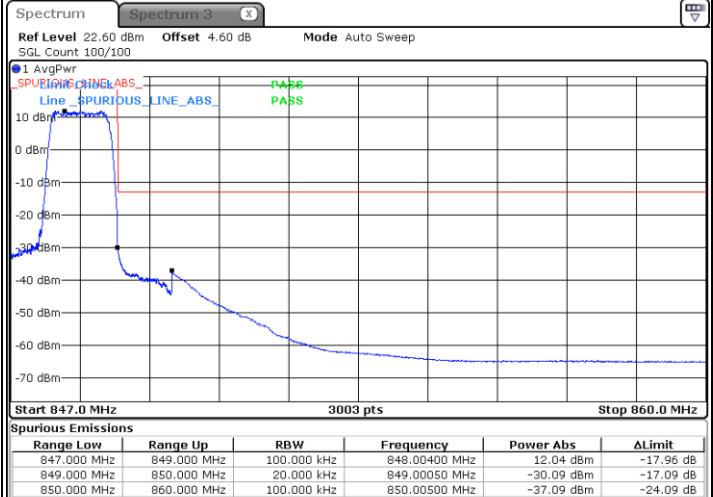
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



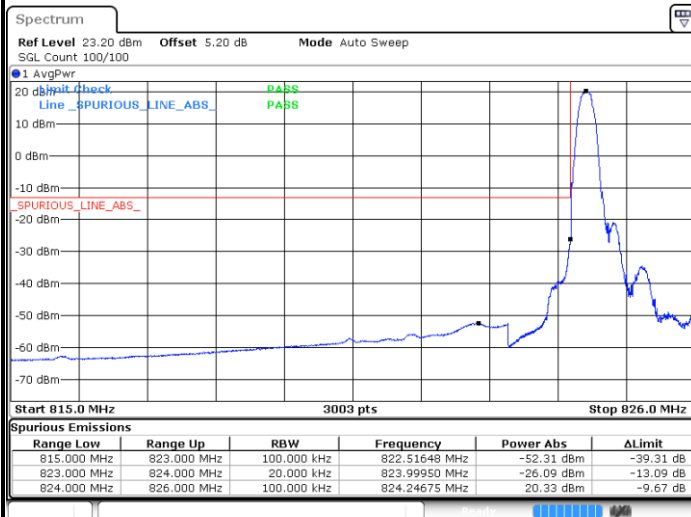
## Highest Band Edge / Full RB



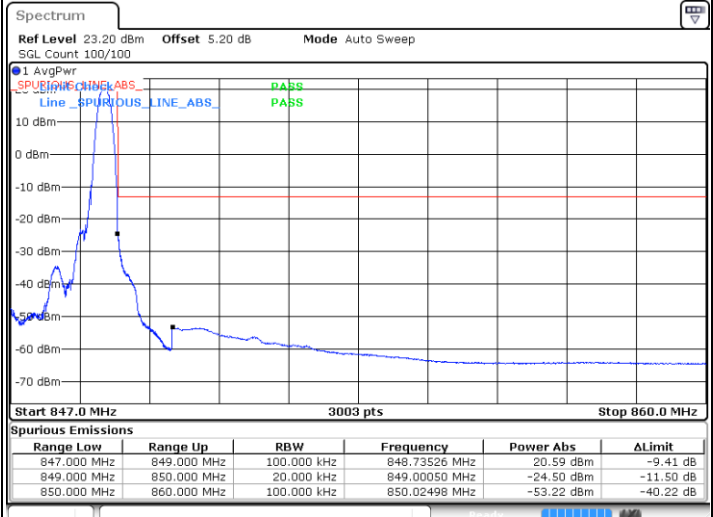


## LTE Band 5 / 1.4MHz / 64QAM

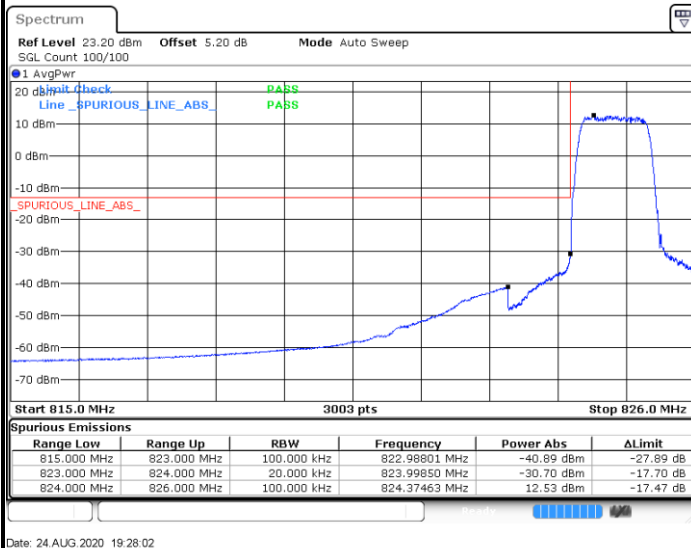
## Lowest Band Edge / 1 RB



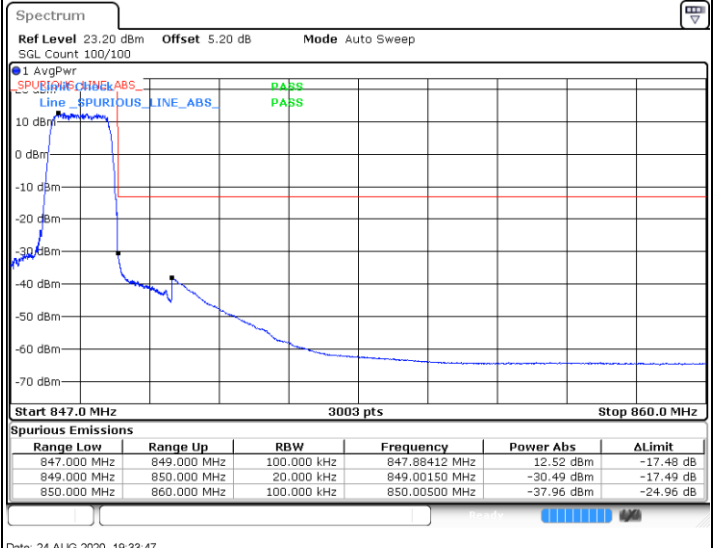
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



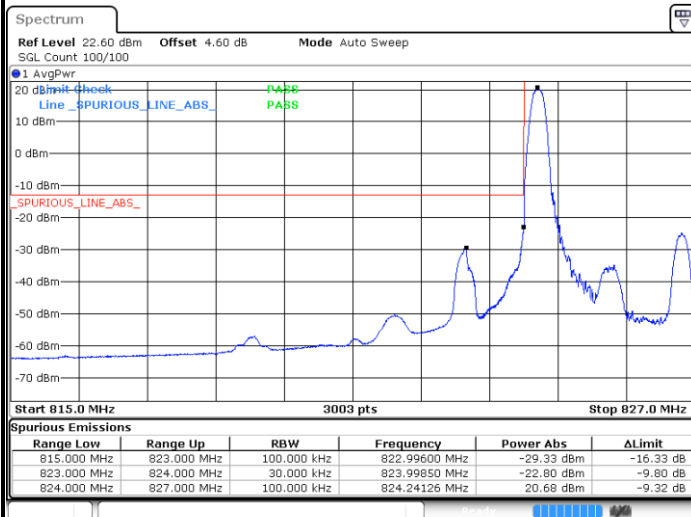
## Highest Band Edge / Full RB



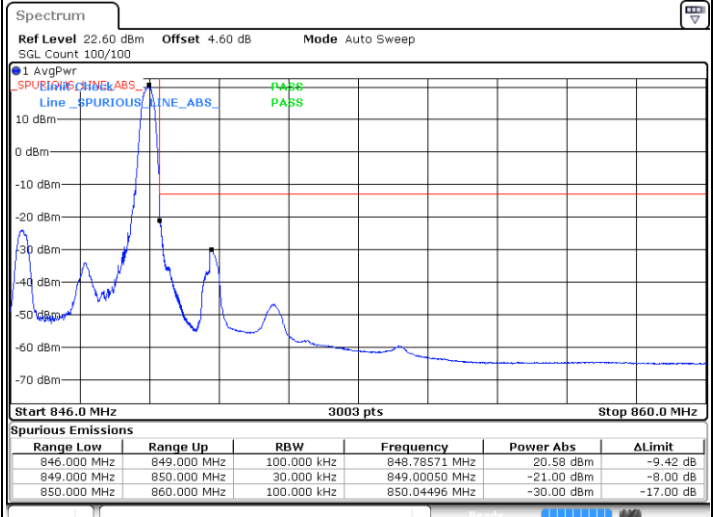


## LTE Band 5 / 3MHz / QPSK

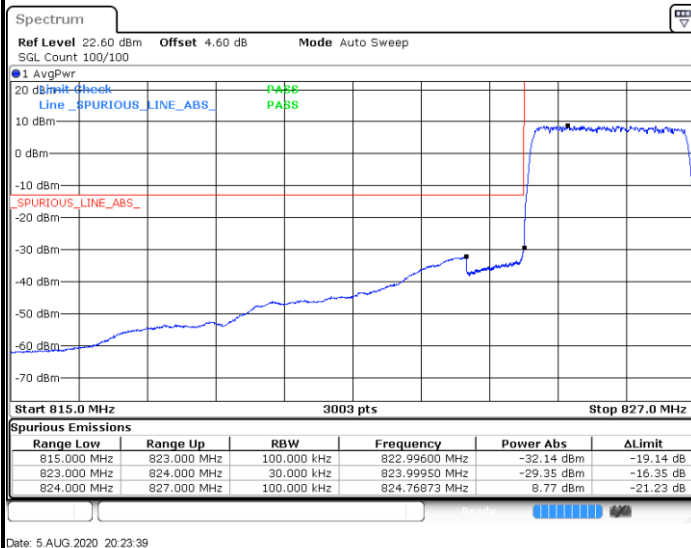
## Lowest Band Edge / 1RB



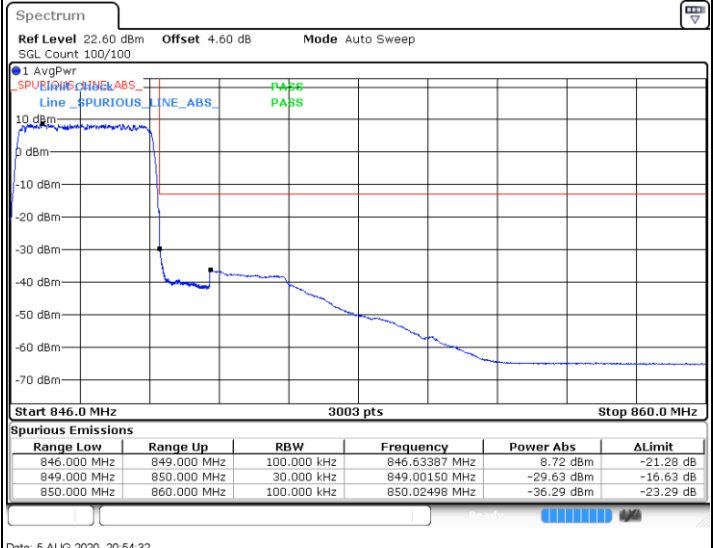
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

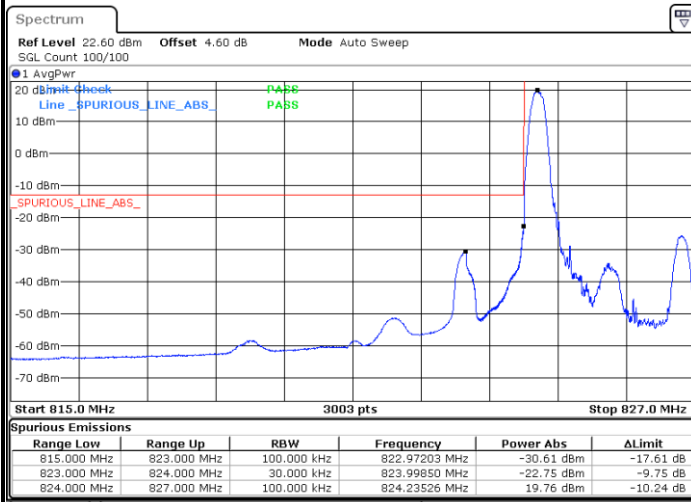




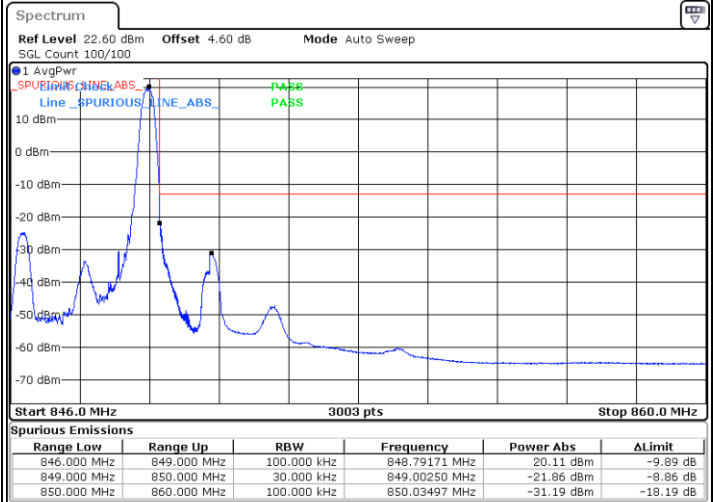


## LTE Band 5 / 3MHz / 16QAM

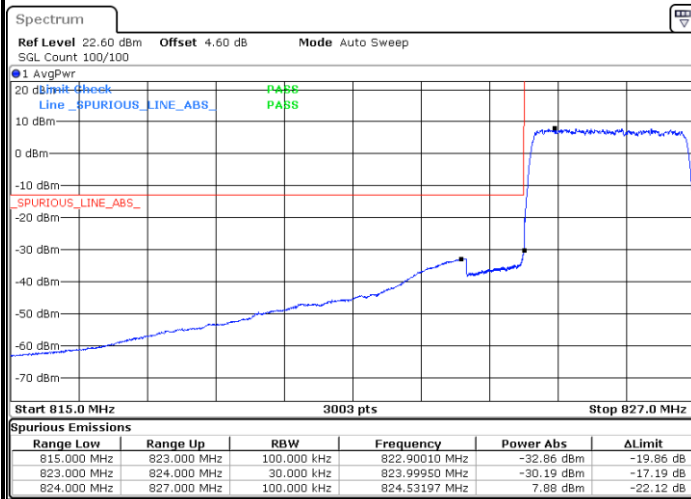
## Lowest Band Edge / 1 RB



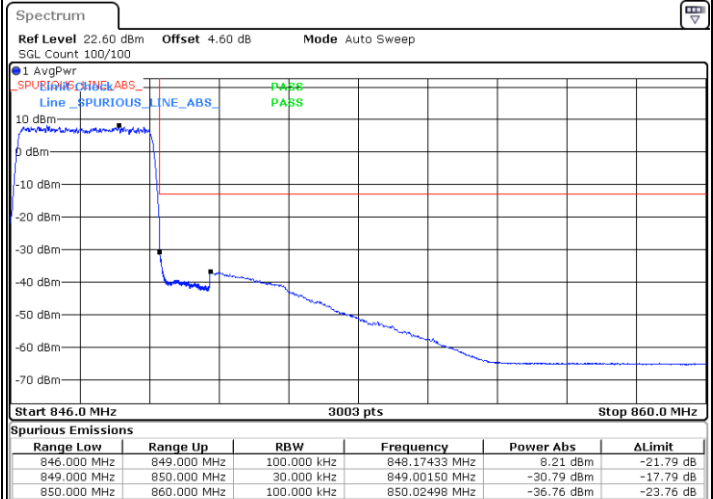
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



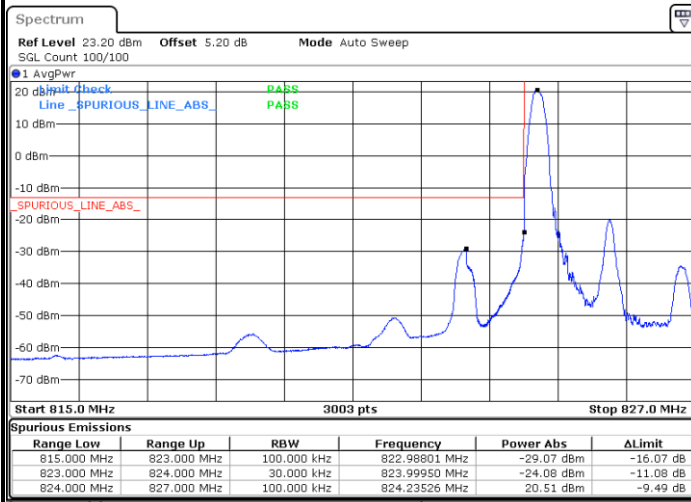
## Highest Band Edge / Full RB



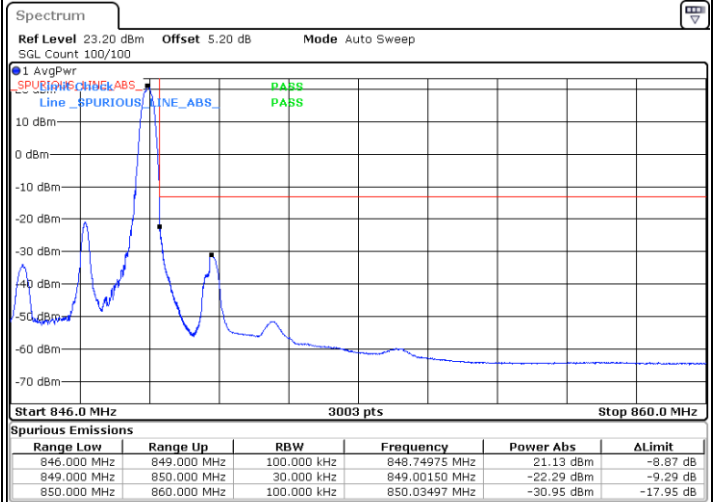


## LTE Band 5 / 3MHz / 64QAM

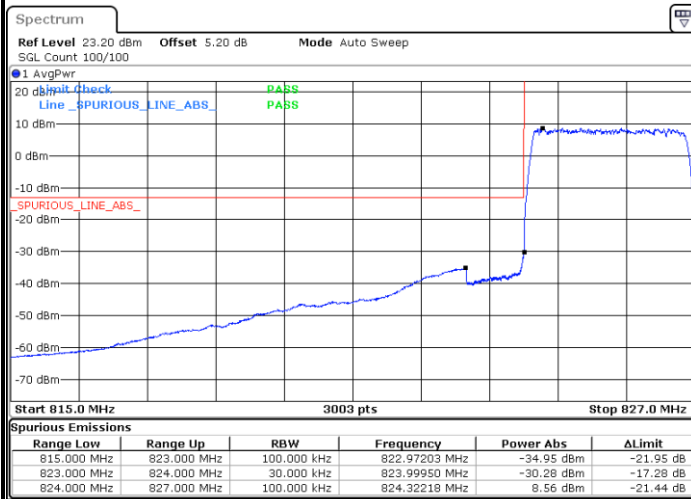
## Lowest Band Edge / 1 RB



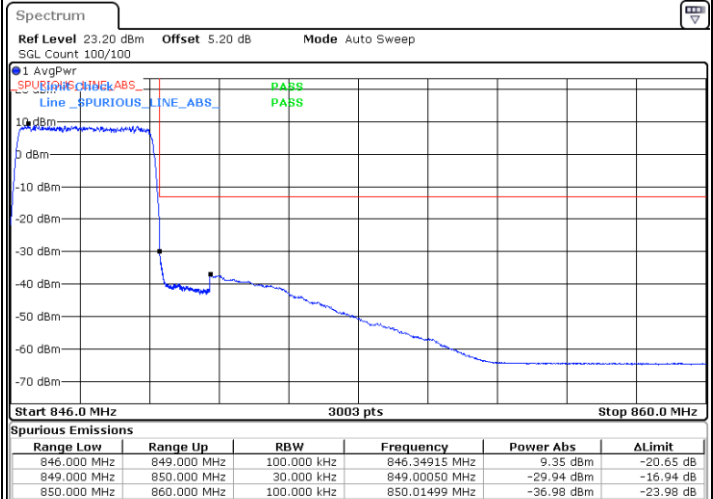
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



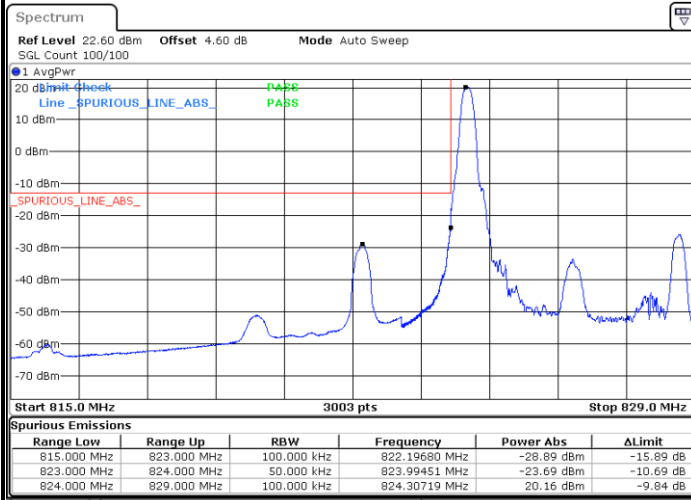
## Highest Band Edge / Full RB



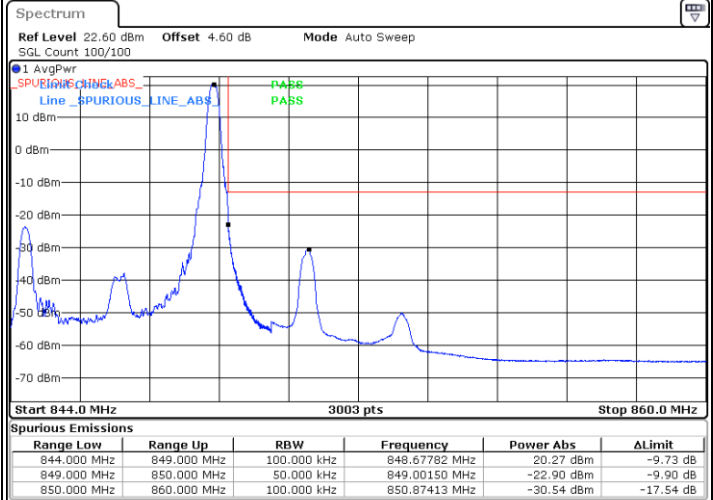


## LTE Band 5 / 5MHz / QPSK

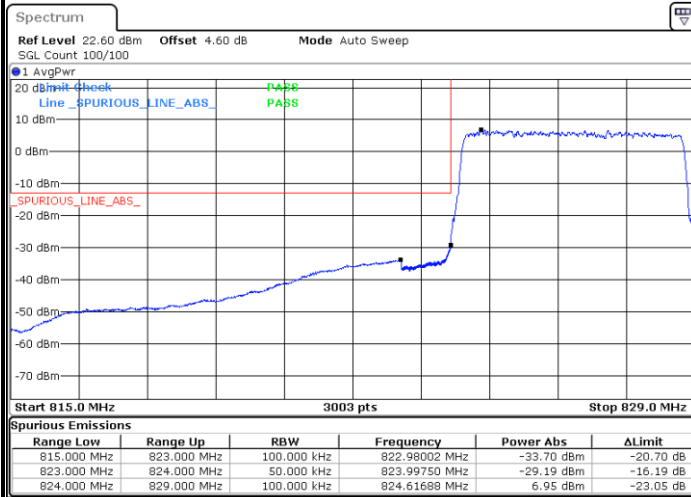
## Lowest Band Edge / 1 RB



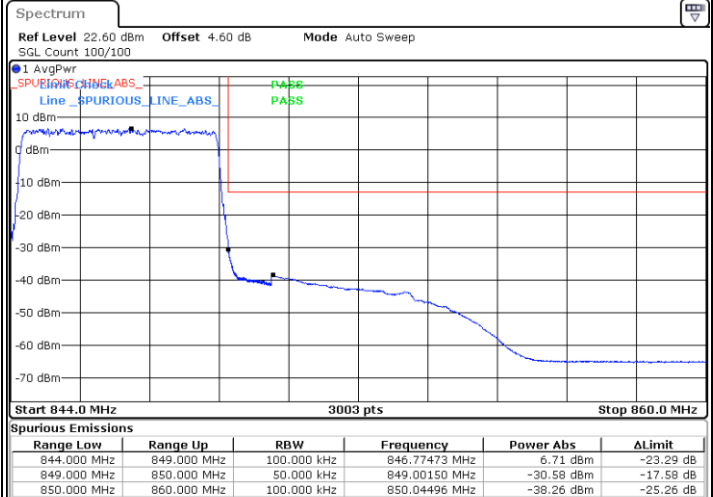
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



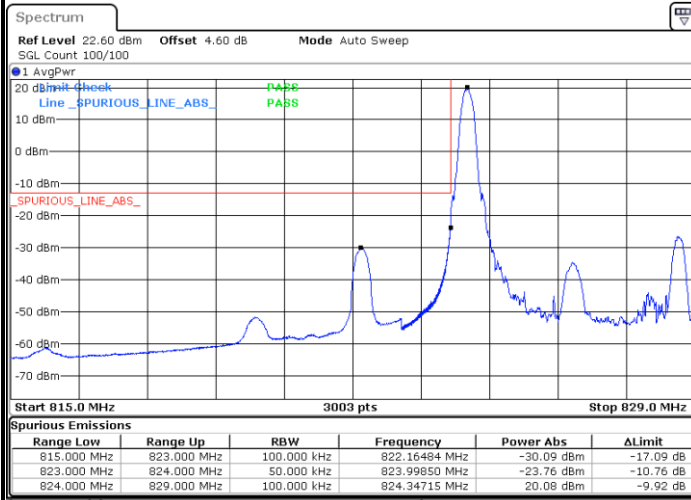
## Highest Band Edge / Full RB



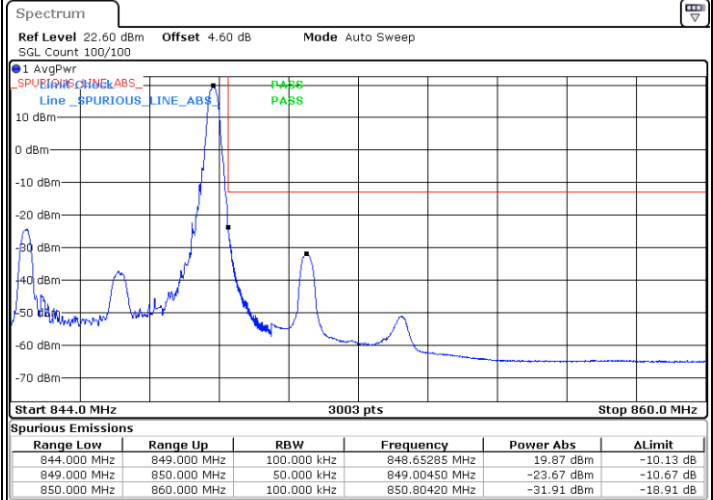


## LTE Band 5 / 5MHz / 16QAM

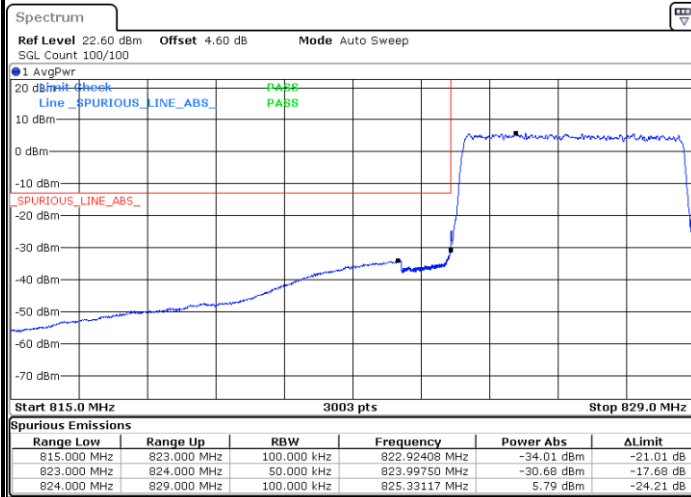
## Lowest Band Edge / 1RB



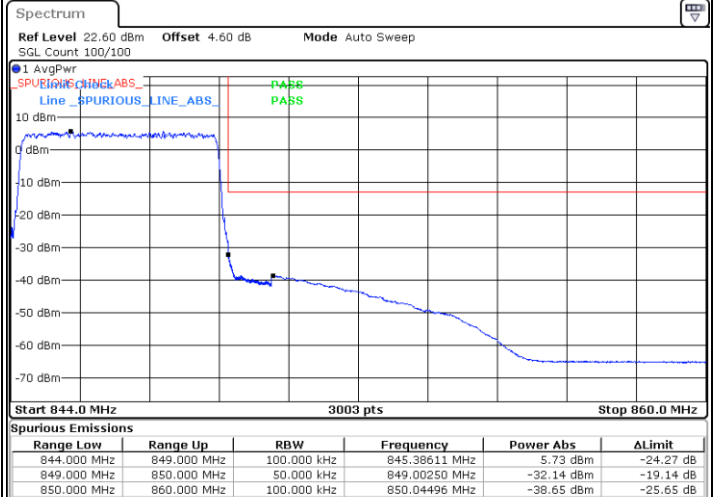
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



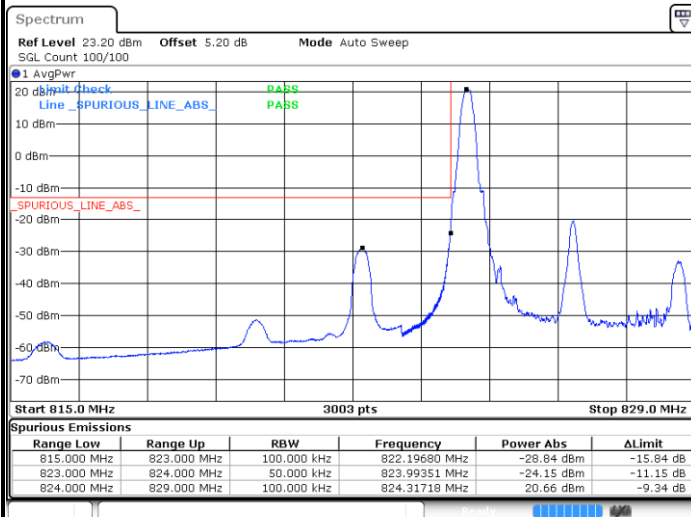
## Highest Band Edge / Full RB



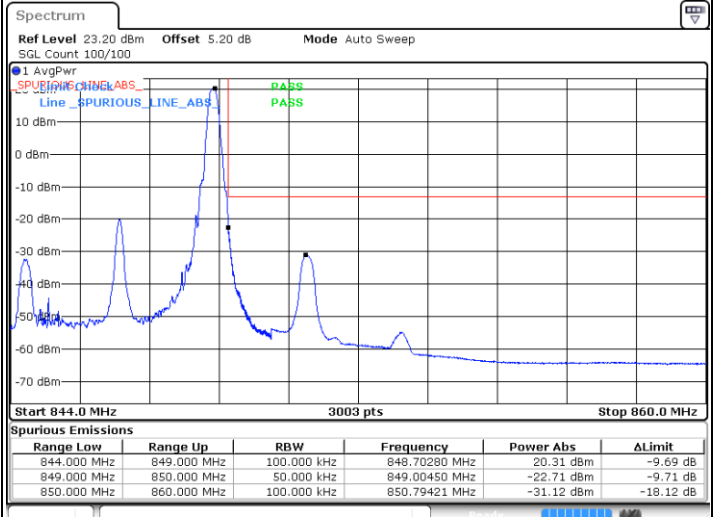


## LTE Band 5 / 5MHz / 64QAM

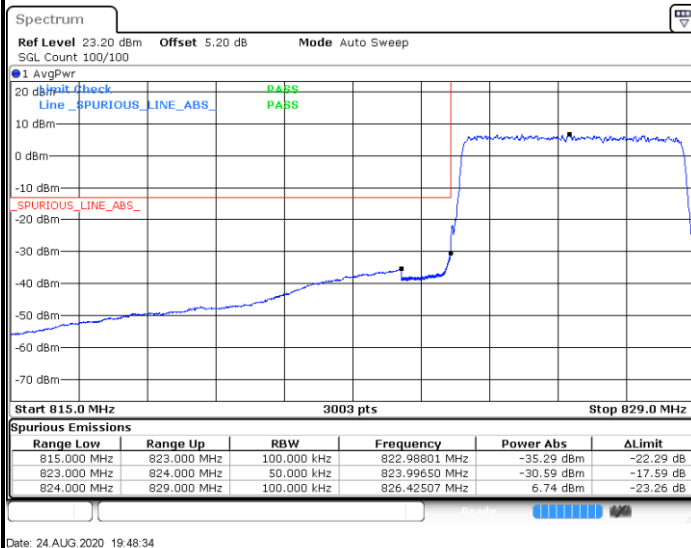
## Lowest Band Edge / 1RB



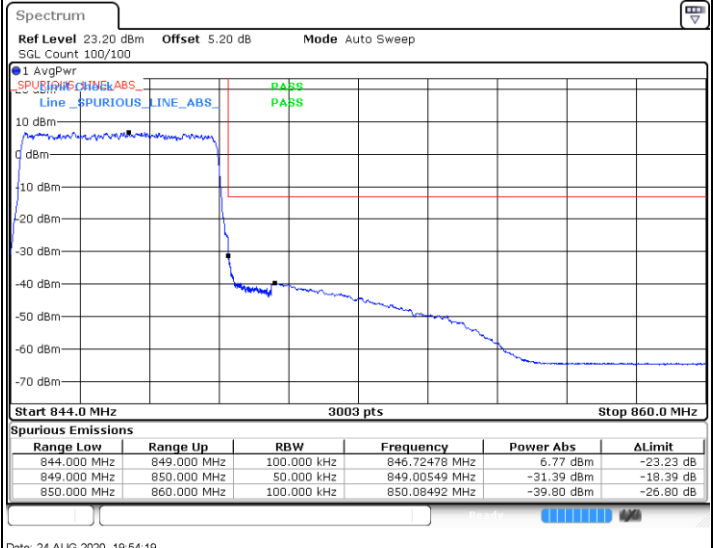
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



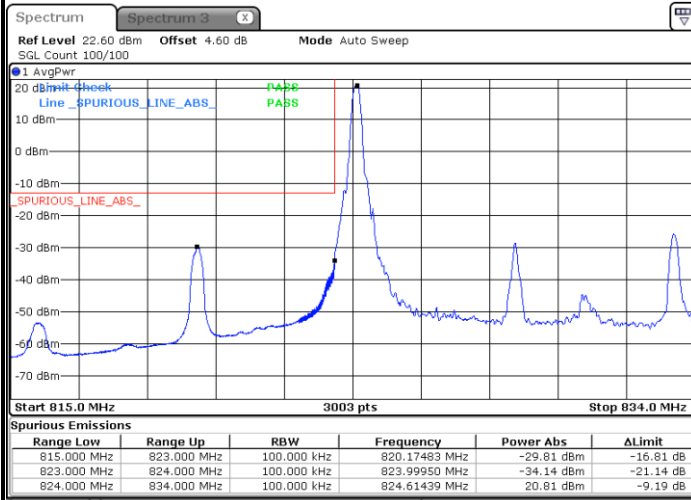
## Highest Band Edge / Full RB



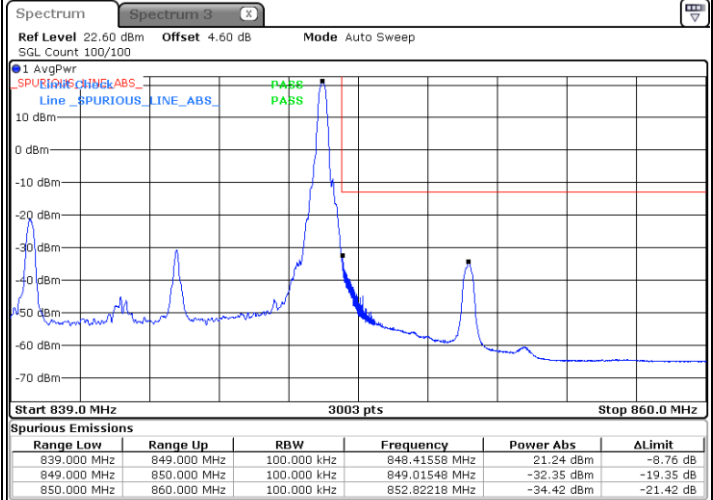


## LTE Band 5 / 10MHz / QPSK

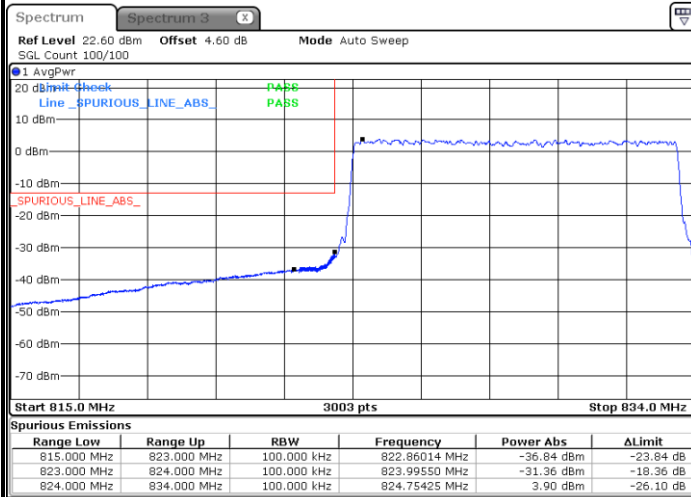
## Lowest Band Edge / 1 RB



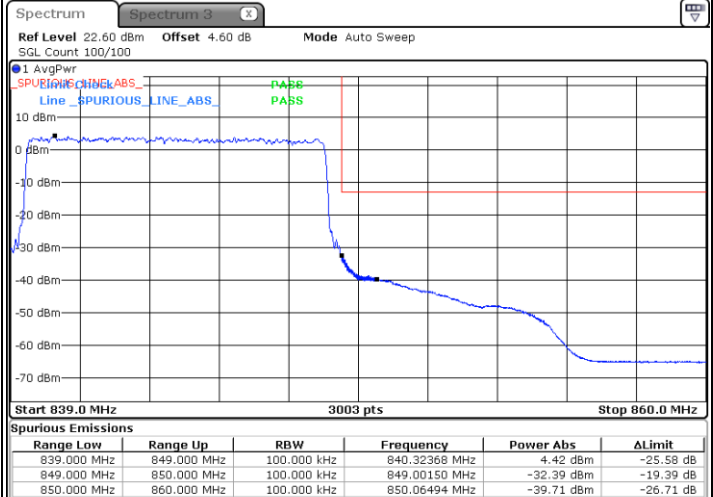
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



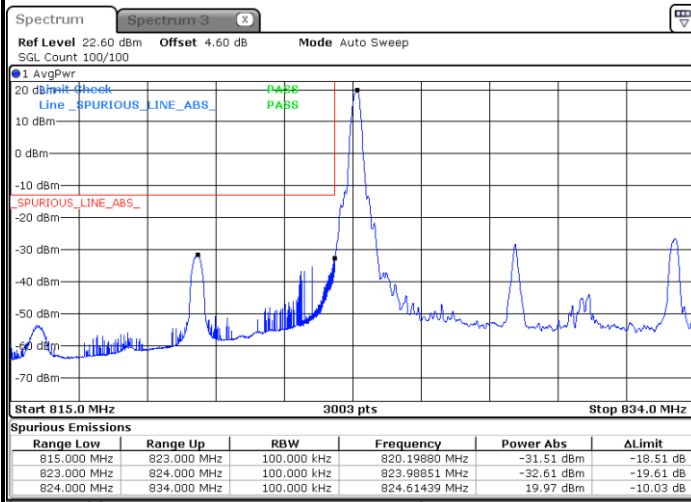
## Highest Band Edge / Full RB



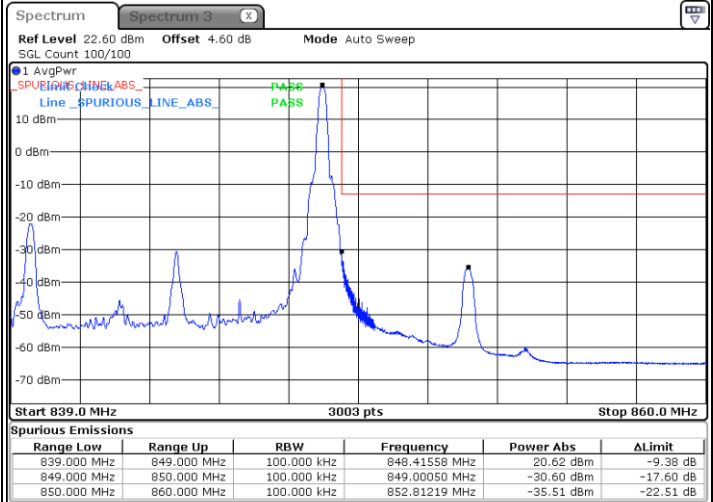


## LTE Band 5 / 10MHz / 16QAM

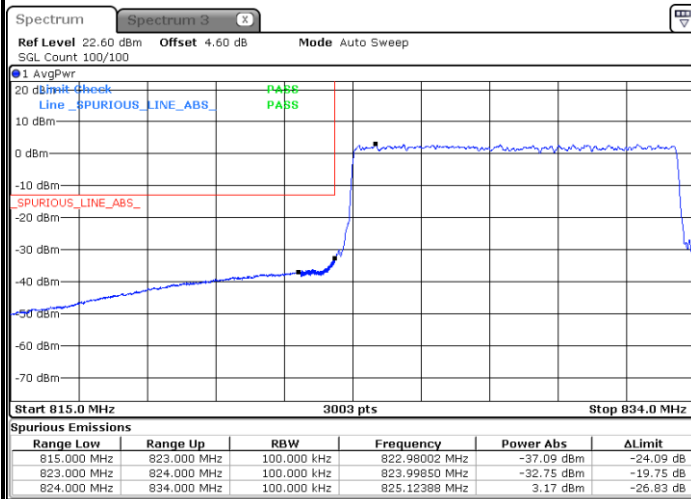
## Lowest Band Edge / 1 RB



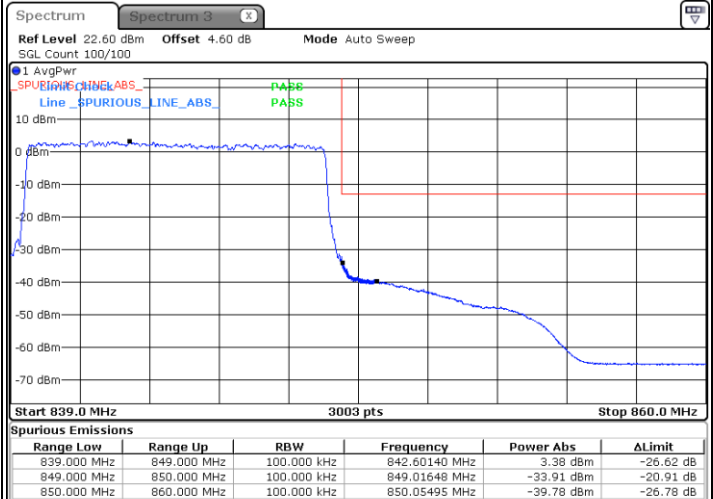
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



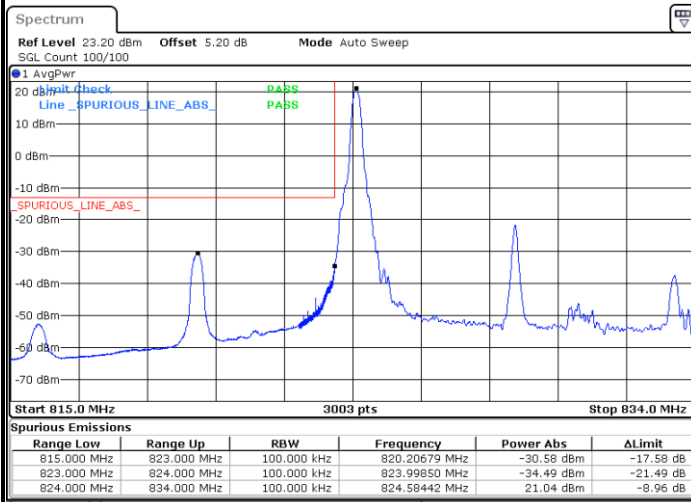
## Highest Band Edge / Full RB



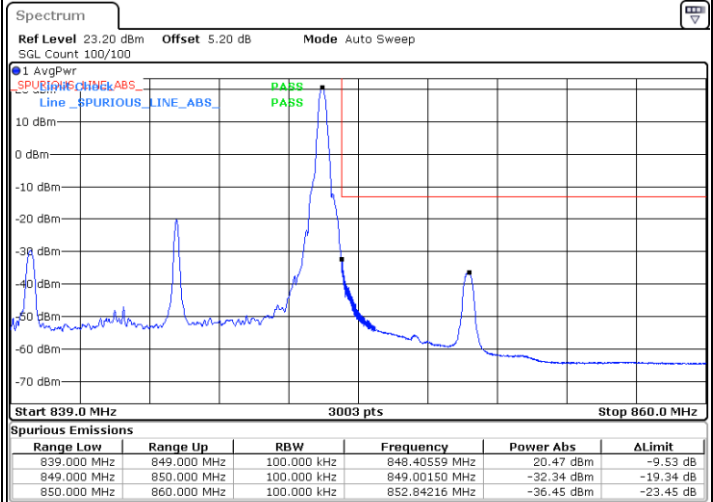


## LTE Band 5 / 10MHz / 64QAM

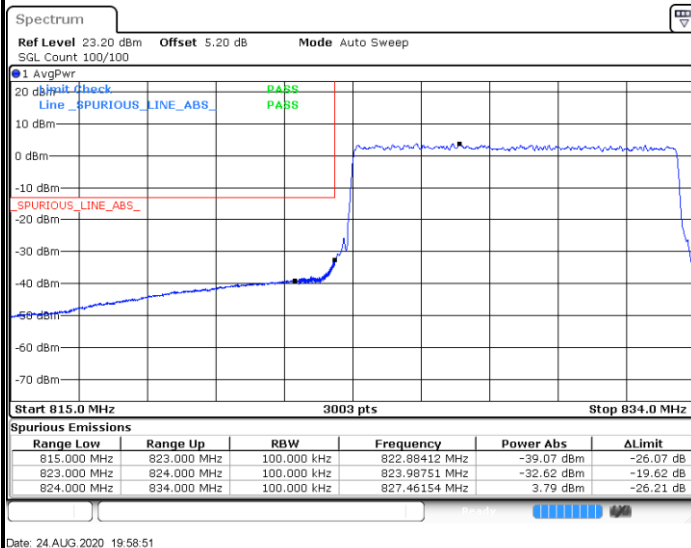
## Lowest Band Edge / 1 RB



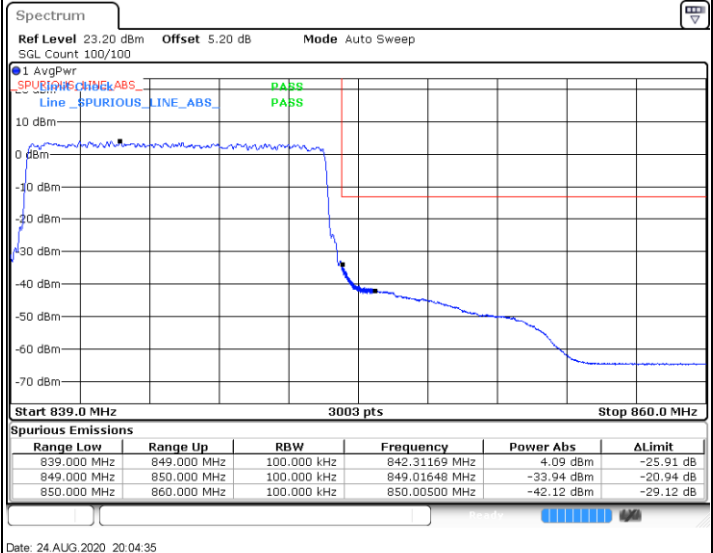
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



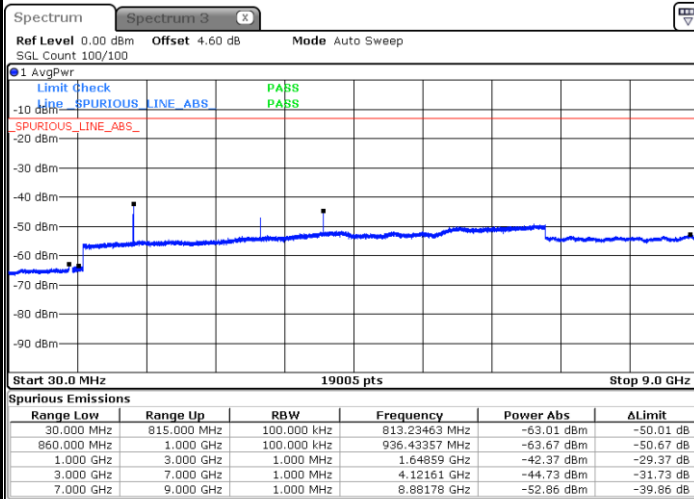




# Conducted Spurious Emission

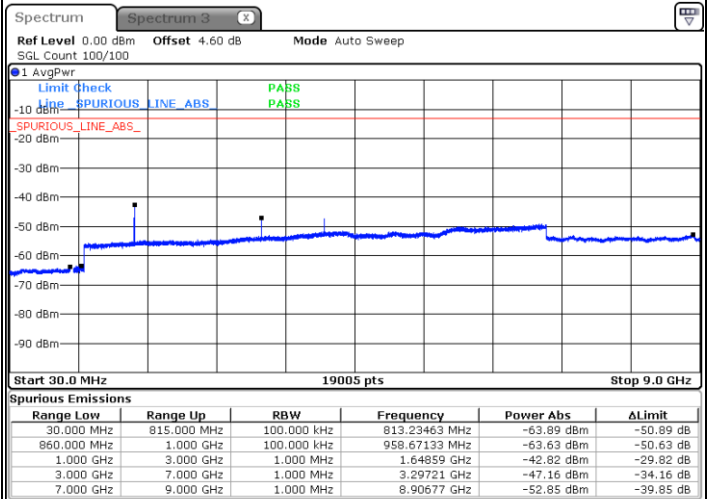
## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK



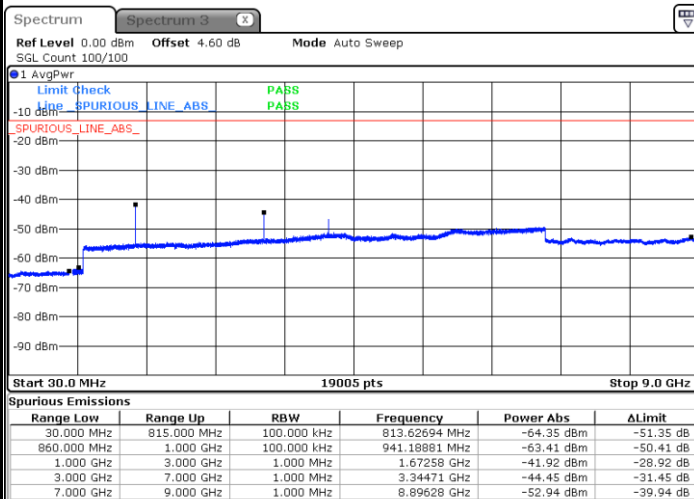
Date: 5 AUG 2020 17:24:57

### Lowest Channel / 16QAM



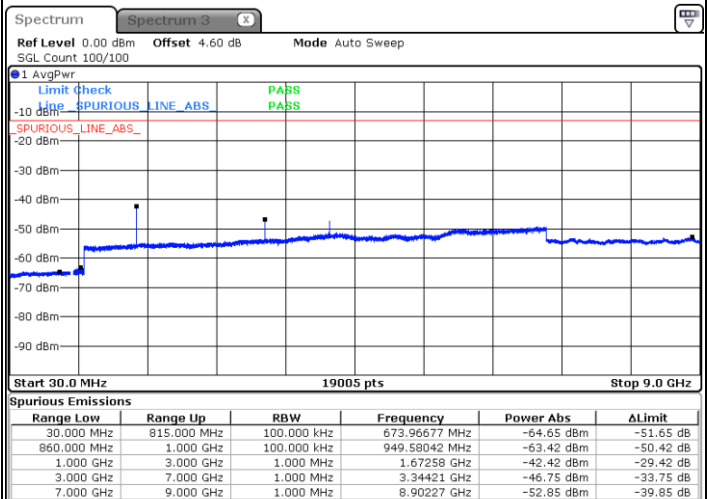
Date: 5 AUG 2020 17:25:50

### Middle Channel / QPSK



Date: 5 AUG 2020 17:27:23

### Middle Channel / 16QAM

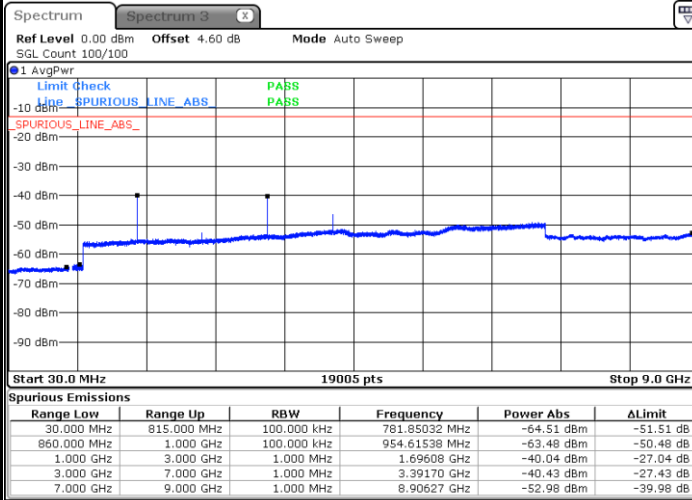


Date: 5 AUG 2020 17:28:17



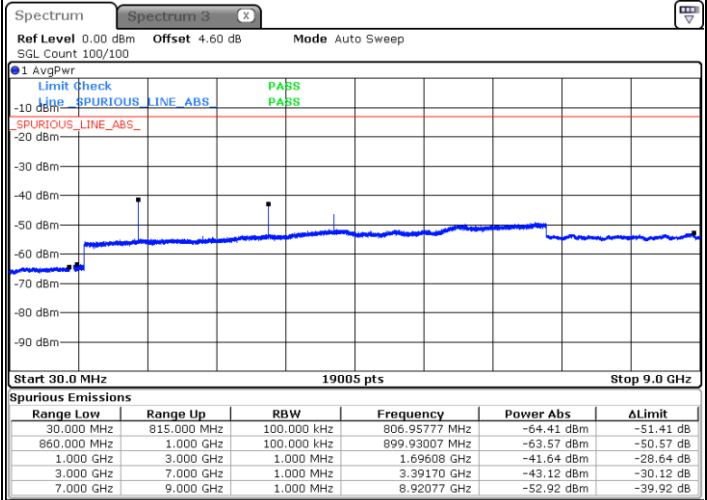
## LTE Band 5 / 1.4MHz

## Highest Channel / QPSK



Date: 5 AUG 2020 17:36:25

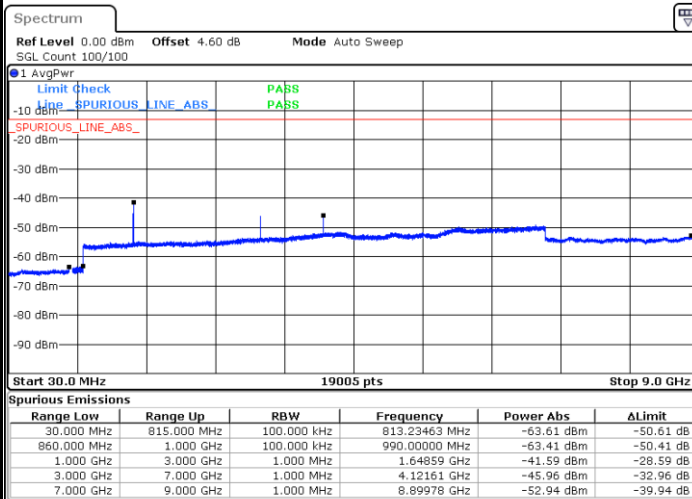
## Highest Channel / 16QAM



Date: 5 AUG 2020 17:37:18

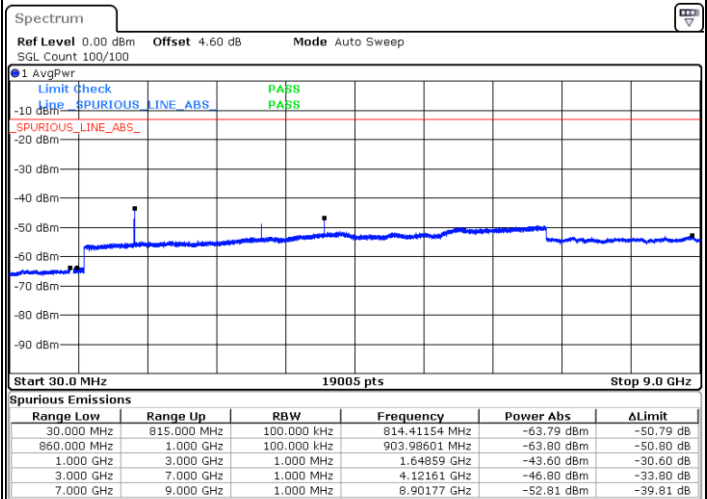
## LTE Band 5 / 3MHz

## Lowest Channel / QPSK



Date: 5 AUG 2020 20:26:12

## Lowest Channel / 16QAM

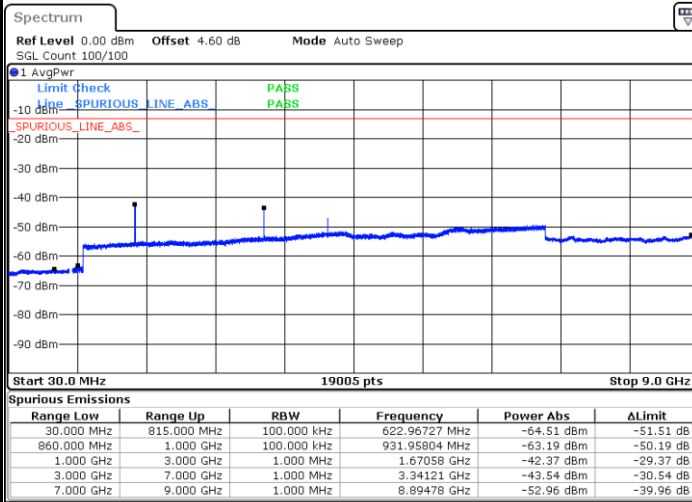


Date: 5 AUG 2020 20:27:05



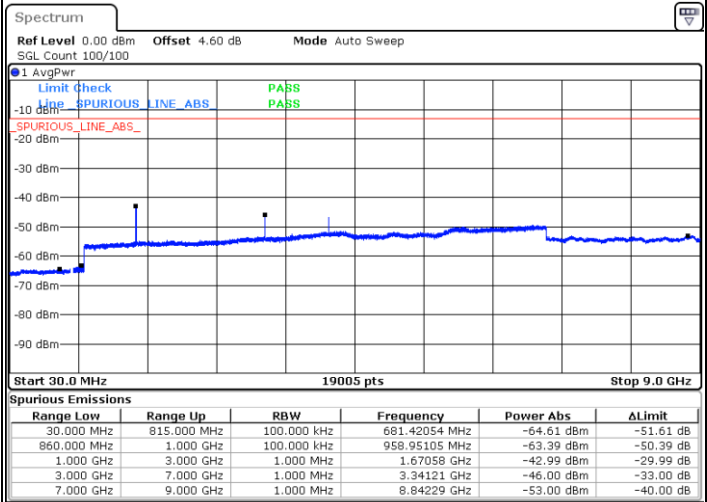
## LTE Band 5 / 3MHz

## Middle Channel / QPSK



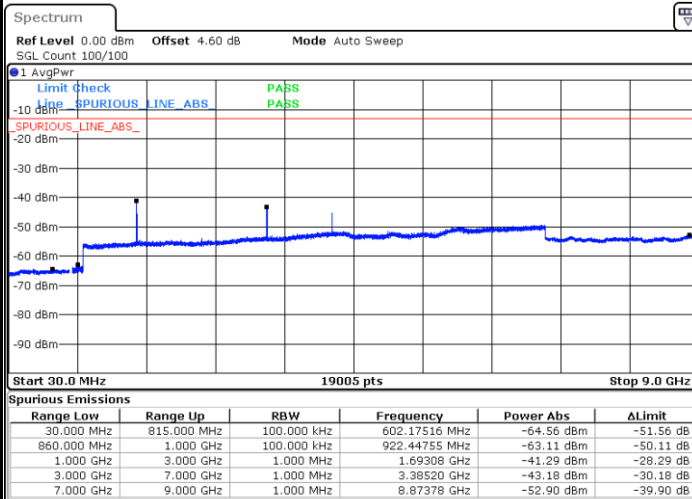
Date: 5 AUG 2020 20:30:53

## Middle Channel / 16QAM



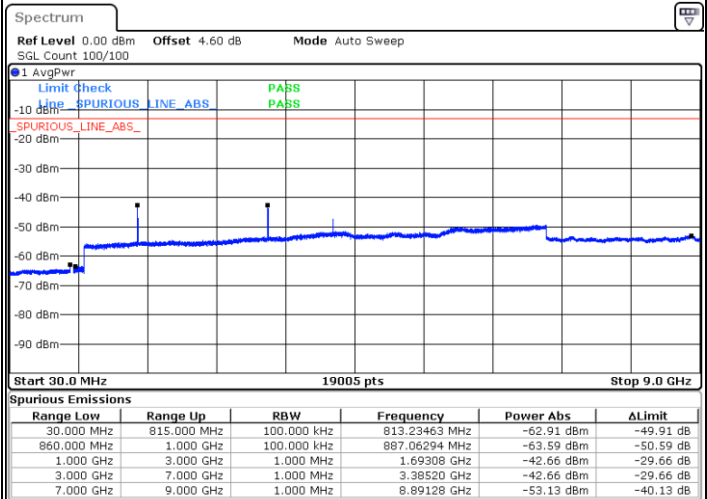
Date: 5 AUG 2020 20:48:57

## Highest Channel / QPSK



Date: 5 AUG 2020 20:57:05

## Highest Channel / 16QAM

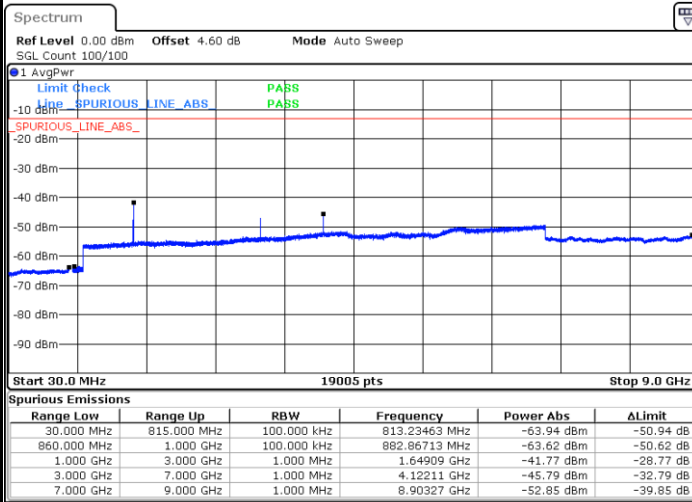


Date: 5 AUG 2020 20:57:58



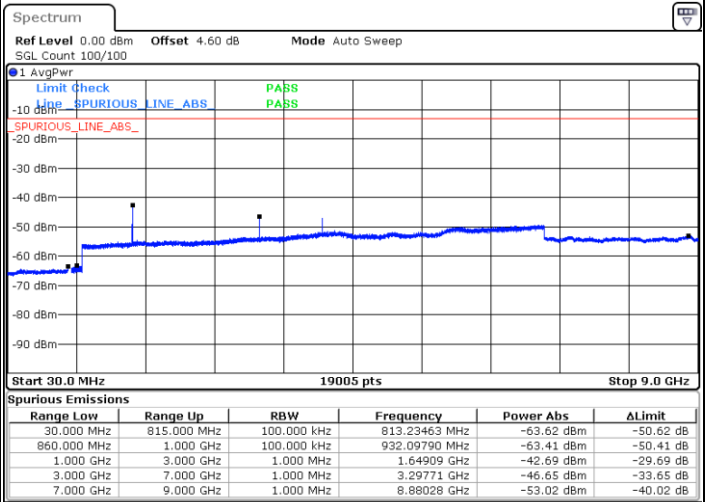
## LTE Band 5 / 5MHz

## Lowest Channel / QPSK



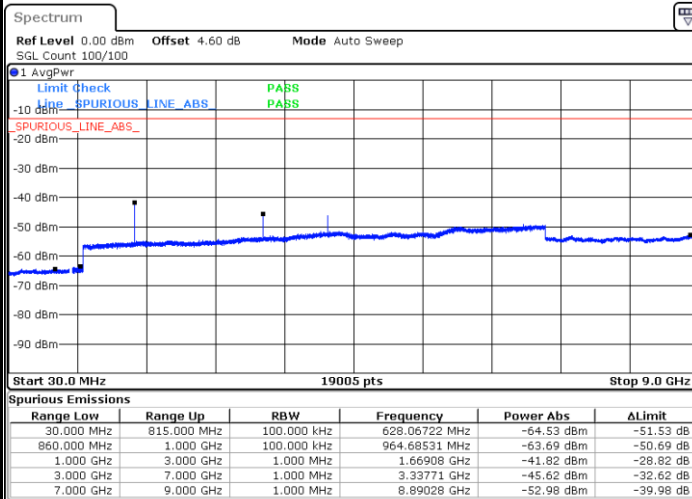
Date: 5 AUG.2020 21:06:06

## Lowest Channel / 16QAM



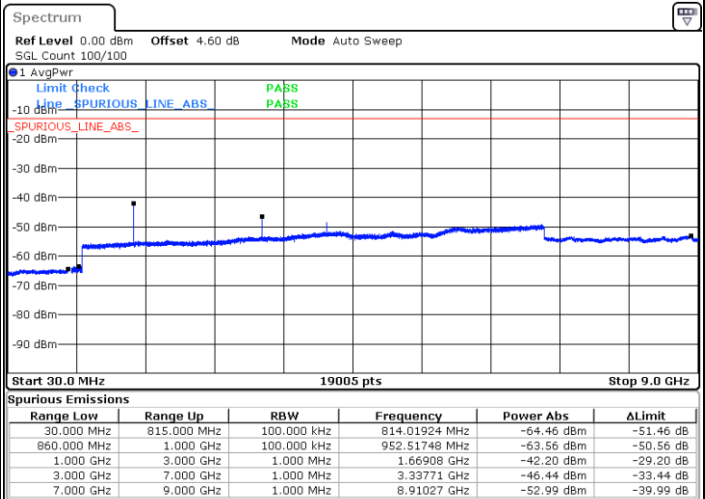
Date: 5 AUG.2020 21:06:59

## Middle Channel / QPSK



Date: 5 AUG.2020 21:08:33

## Middle Channel / 16QAM

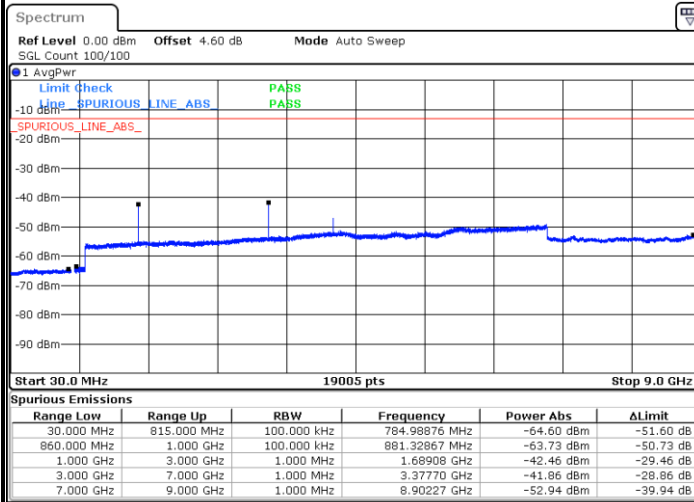


Date: 5 AUG.2020 21:09:26



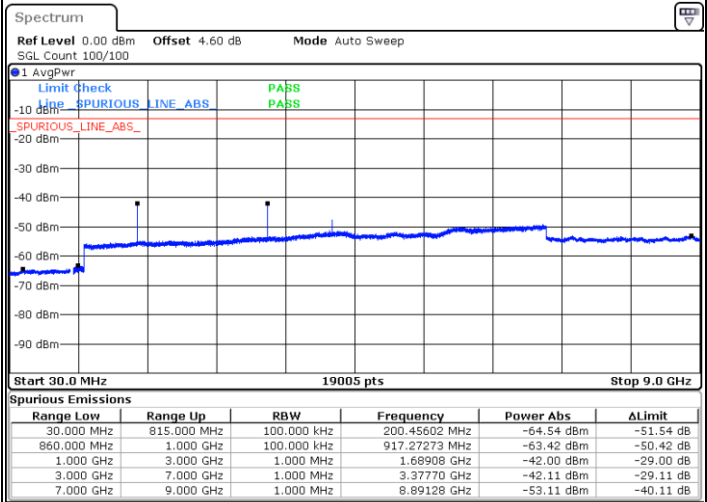
## LTE Band 5 / 5MHz

## Highest Channel / QPSK



Date: 5 AUG 2020 21:17:34

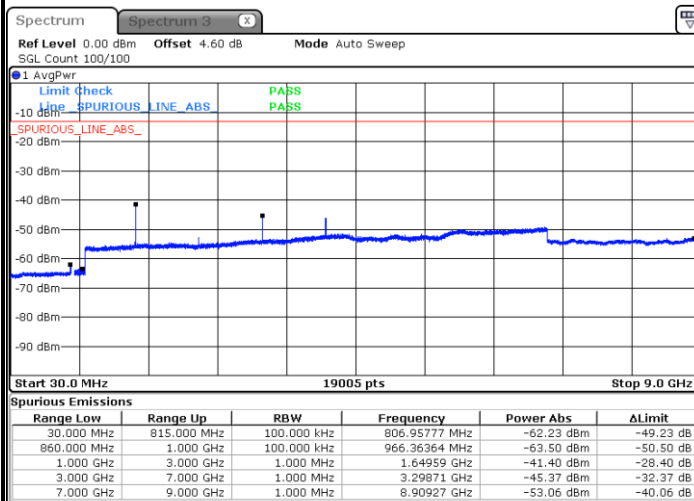
## Highest Channel / 16QAM



Date: 5 AUG 2020 21:26:13

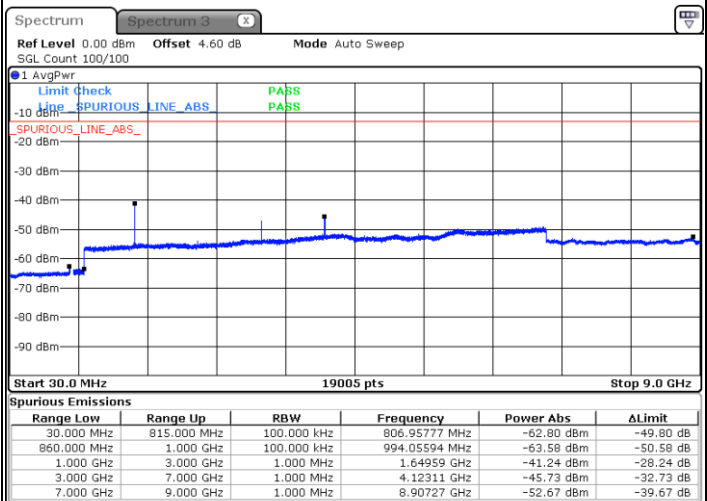
## LTE Band 5 / 10MHz

## Lowest Channel / QPSK



Date: 5 AUG 2020 17:58:27

## Lowest Channel / 16QAM

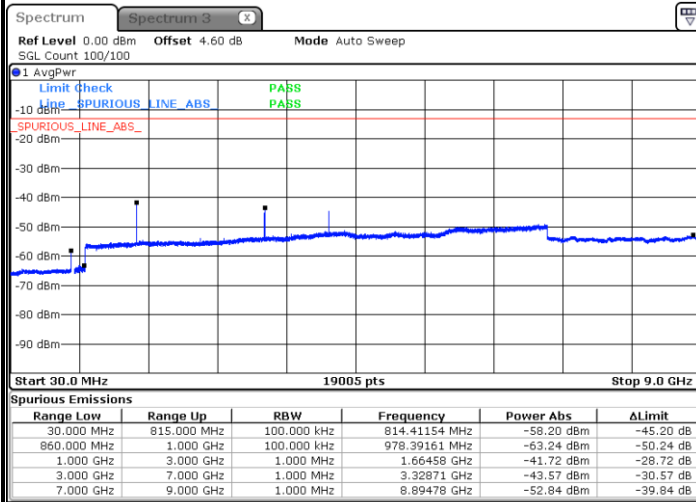


Date: 5 AUG 2020 17:58:20



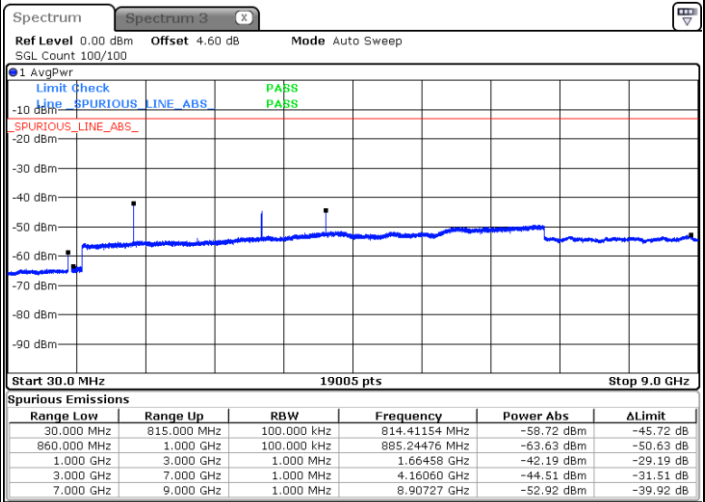
## LTE Band 5 / 10MHz

## Middle Channel / QPSK



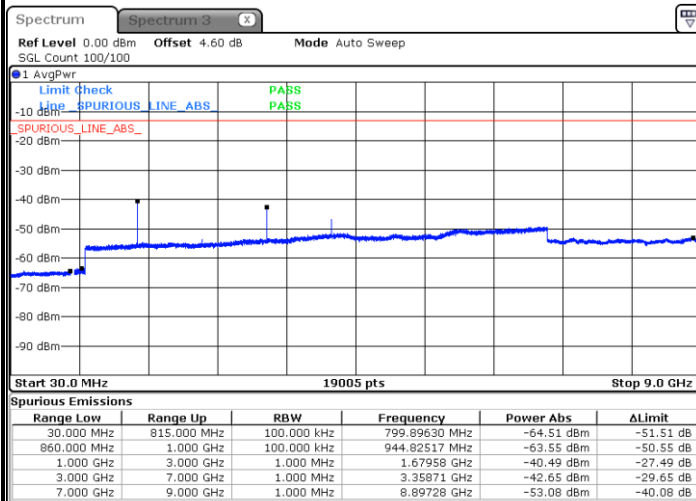
Date: 5 AUG 2020 18:00:54

## Middle Channel / 16QAM



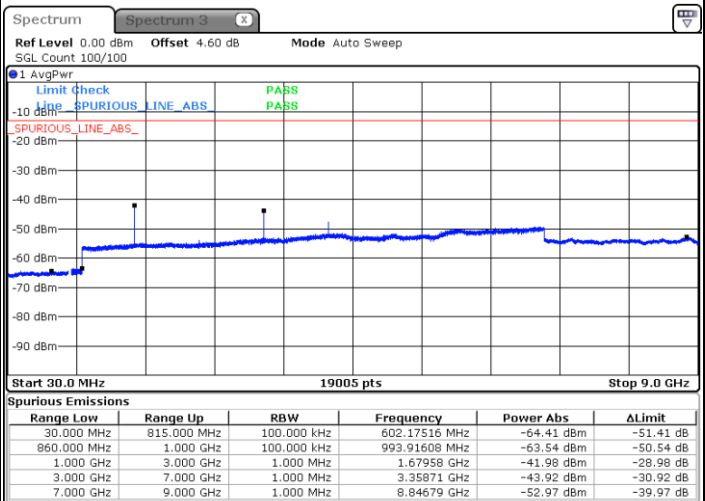
Date: 5 AUG 2020 18:01:47

## Highest Channel / QPSK



Date: 5 AUG 2020 18:09:55

## Highest Channel / 16QAM

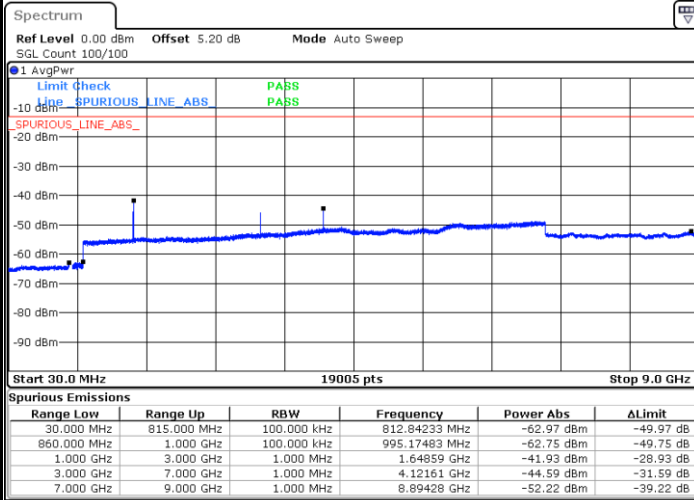


Date: 5 AUG 2020 18:10:48



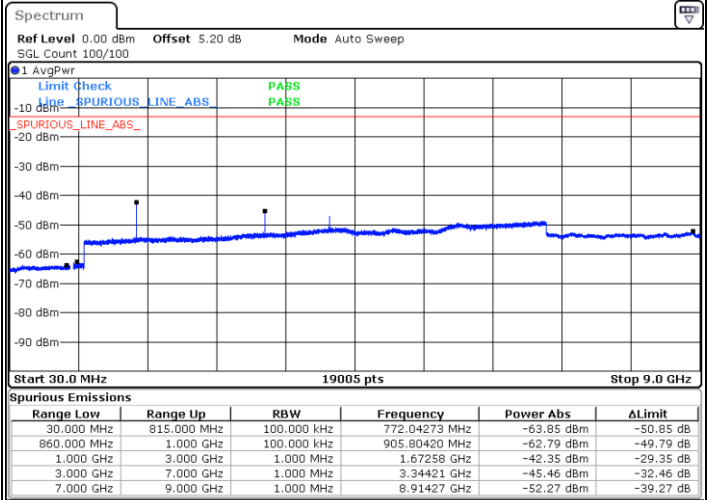
## LTE Band 5 / 1.4MHz

## Lowest Channel / 64QAM



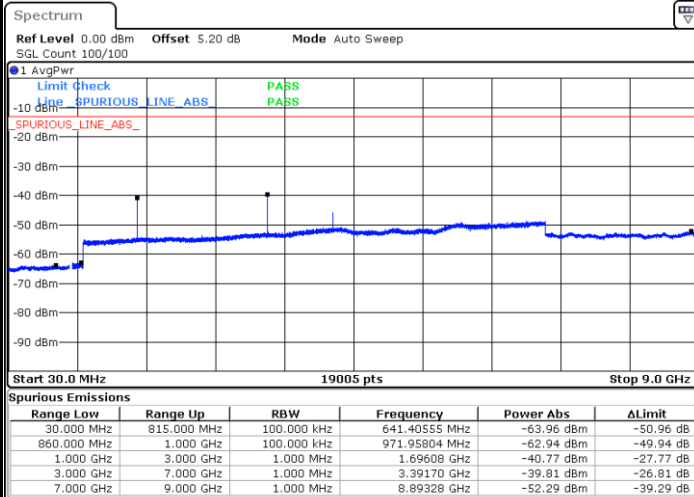
Date: 24 AUG 2020 19:30:35

## Middle Channel / 64QAM



Date: 24 AUG 2020 19:31:29

## Highest Channel / 64QAM

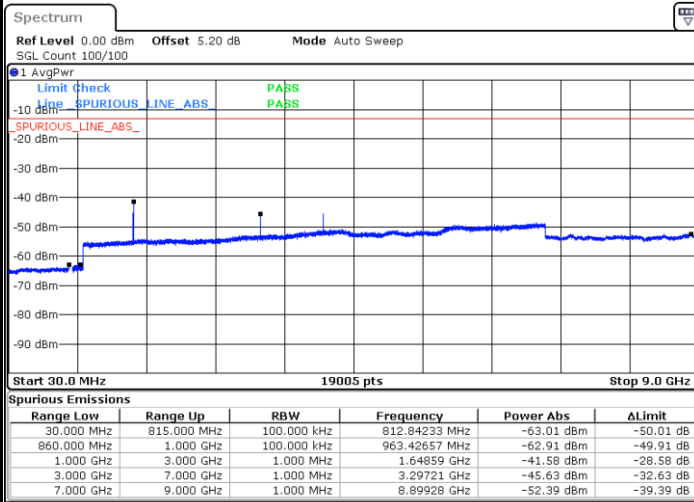


Date: 24 AUG 2020 19:36:20



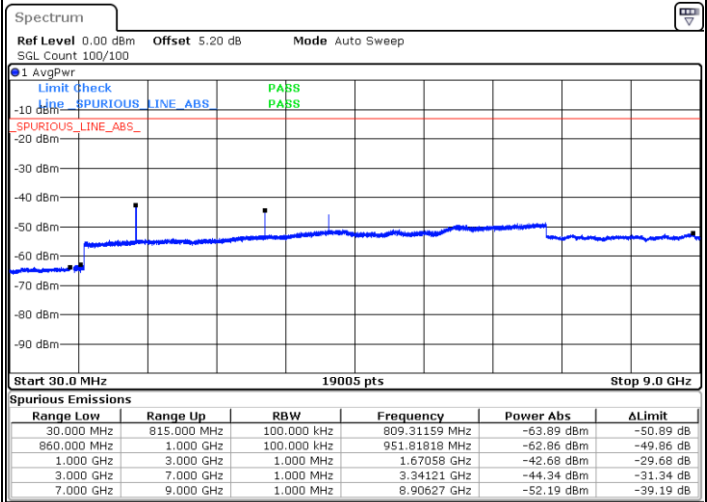
## LTE Band 5 / 3MHz

## Lowest Channel / 64QAM



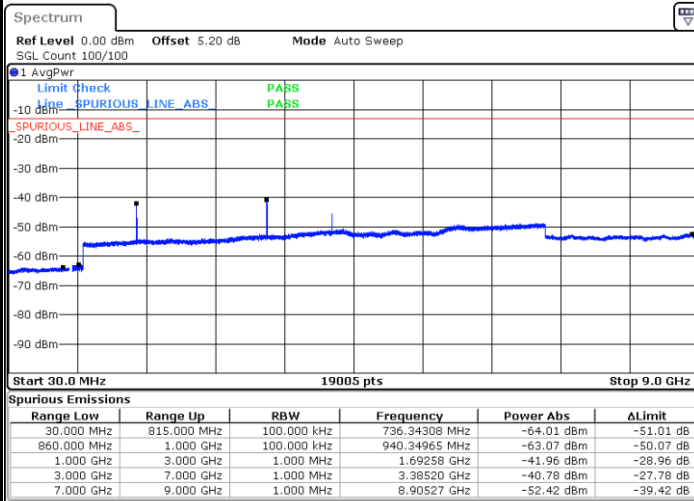
Date: 24 AUG 2020 19:40:51

## Middle Channel / 64QAM



Date: 24 AUG 2020 19:41:45

## Highest Channel / 64QAM



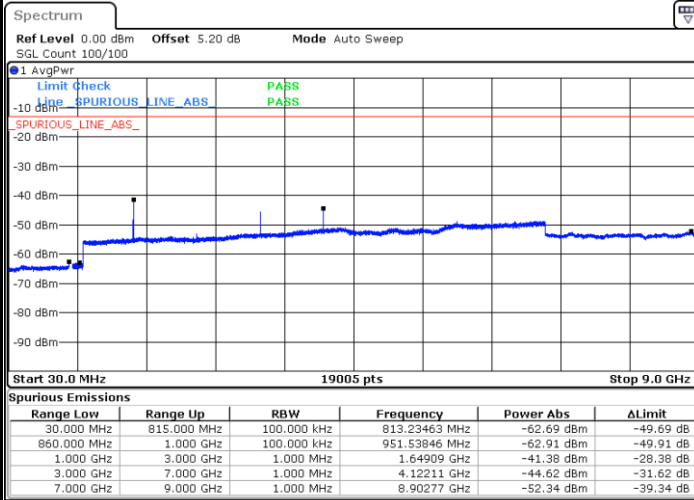
Date: 24 AUG 2020 19:46:36





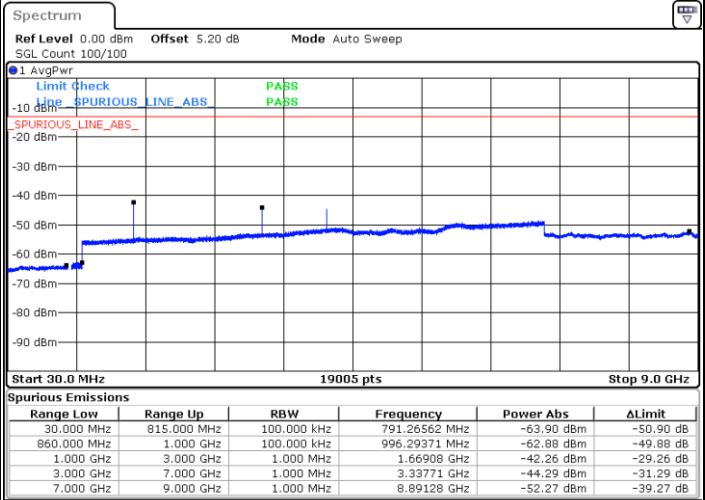
## LTE Band 5 / 5MHz

## Lowest Channel / 64QAM



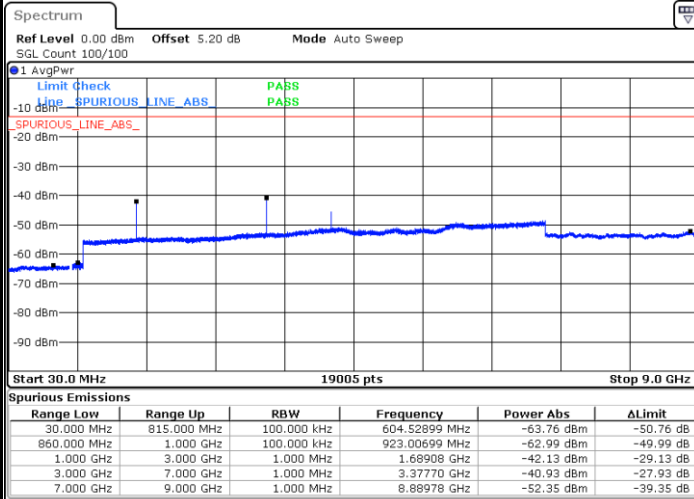
Date: 24 AUG 2020 19:51:07

## Middle Channel / 64QAM



Date: 24 AUG 2020 19:52:01

## Highest Channel / 64QAM

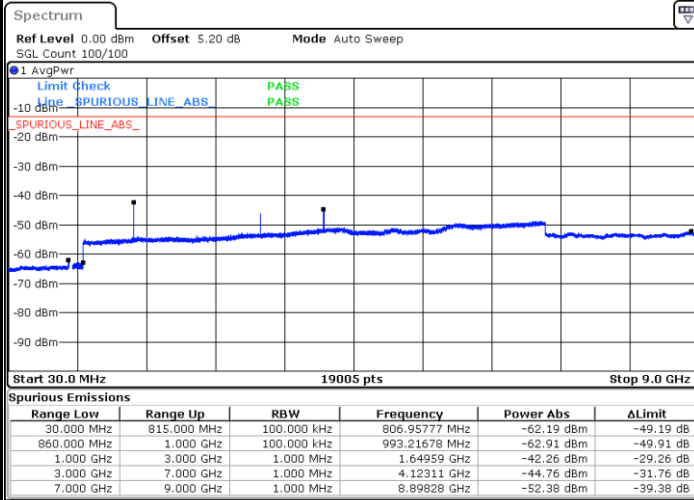


Date: 24 AUG 2020 19:56:52



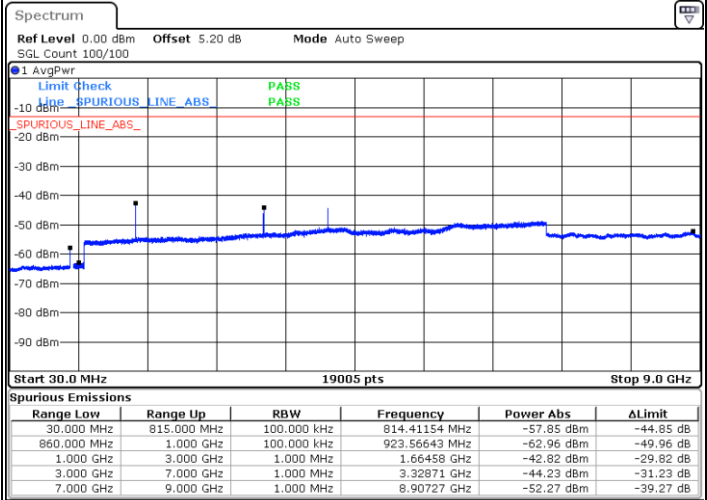
## LTE Band 5 / 10MHz

## Lowest Channel / 64QAM



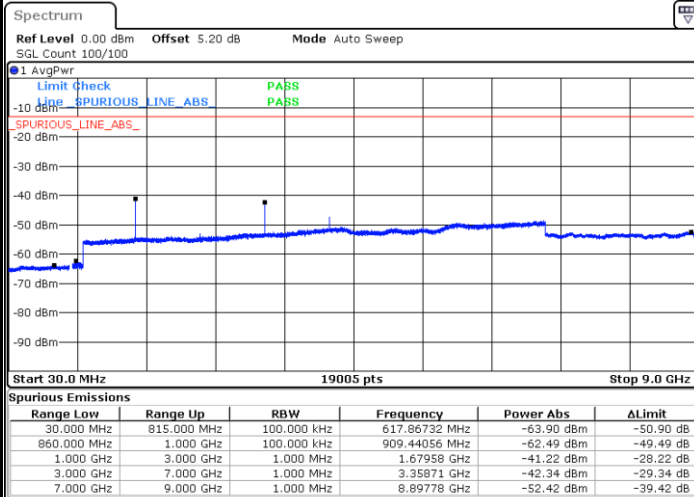
Date: 24 AUG 2020 20:01:24

## Middle Channel / 64QAM



Date: 24 AUG 2020 20:02:17

## Highest Channel / 64QAM



Date: 24 AUG 2020 20:07:09

**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    | 0.0032                             | PASS   |
| 40               | Normal Voltage    | 0.0030                             |        |
| 30               | Normal Voltage    | 0.0006                             |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |        |
| 10               | Normal Voltage    | 0.0032                             |        |
| 0                | Normal Voltage    | 0.0025                             |        |
| -10              | Normal Voltage    | 0.0001                             |        |
| -20              | Normal Voltage    | 0.0025                             |        |
| -30              | Normal Voltage    | 0.0023                             |        |
| 20               | Maximum Voltage   | 0.0008                             |        |
| 20               | Normal Voltage    | 0.0000                             |        |
| 20               | Battery End Point | 0.0006                             |        |

**Note:** Normal Voltage =4 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.4V.



## LTE Band 12

## Peak-to-Average Ratio

| Mode       | LTE Band 12 / 10MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.14                | 5.04    | 4.64  | 5.97    | PASS        |
| Middle CH  | 4.35                | 4.99    | 5.28  | 5.91    |             |
| Highest CH | 4.52                | 4.87    | 5.16  | 5.77    |             |
| Mode       | LTE Band 12 / 10MHz |         |       |         |             |
| Mod.       | 64QAM               |         | -     |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | -     | -       | Result      |
| Lowest CH  | 4.99                | 6.06    | -     | -       | PASS        |
| Middle CH  | 5.42                | 5.94    | -     | -       |             |
| Highest CH | 5.42                | 5.77    | -     | -       |             |