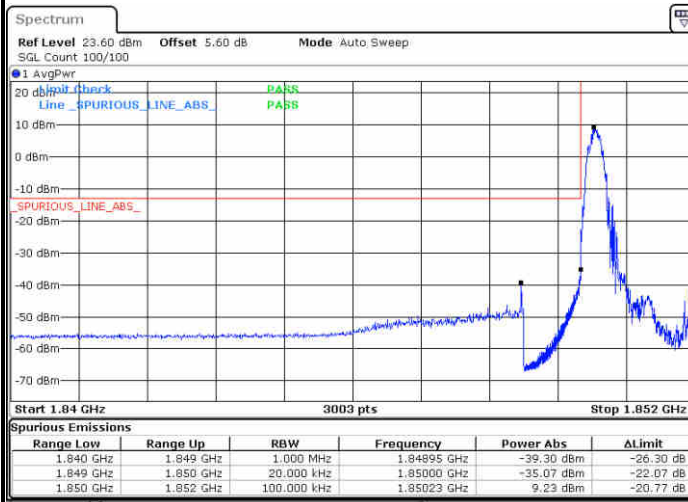




## LTE Band 2 / 1.4MHz / 64QAM

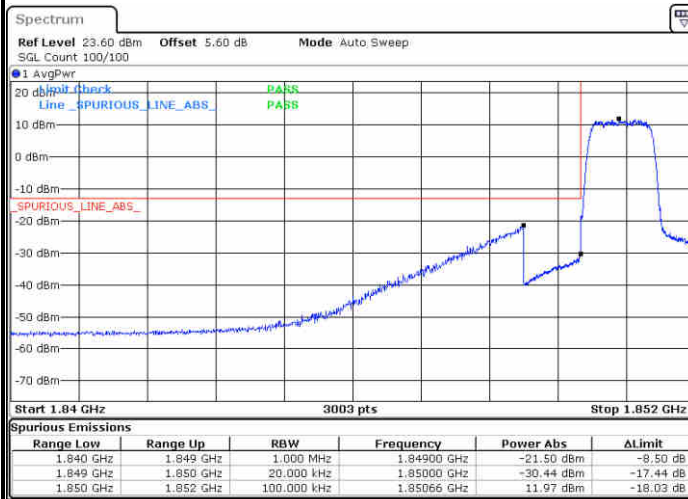
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



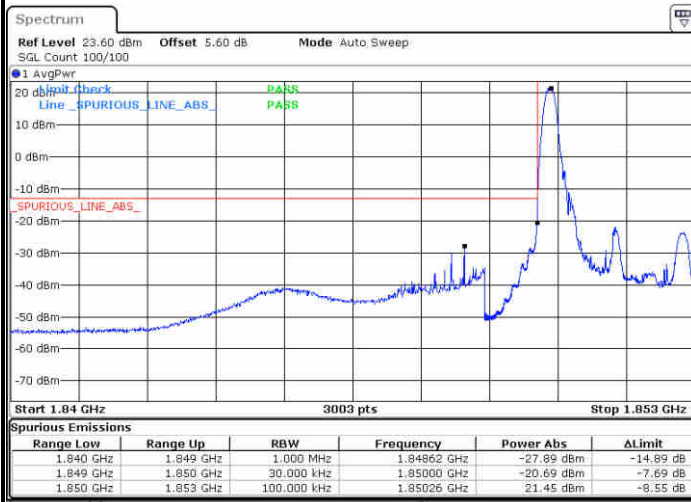
## Highest Band Edge / Full RB



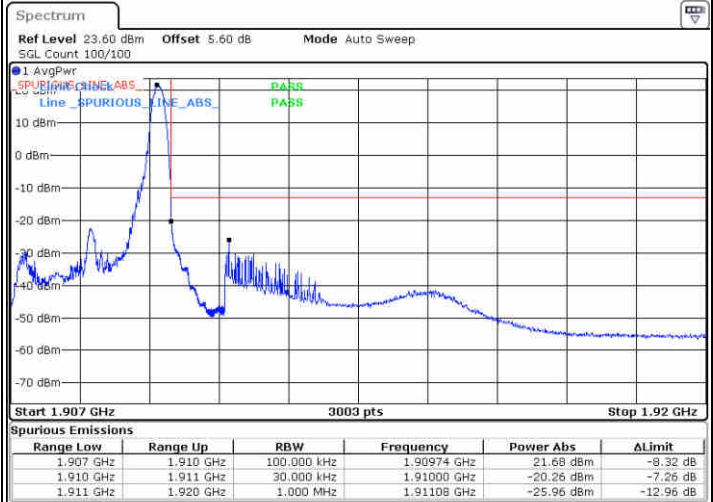


## LTE Band 2 / 3MHz / QPSK

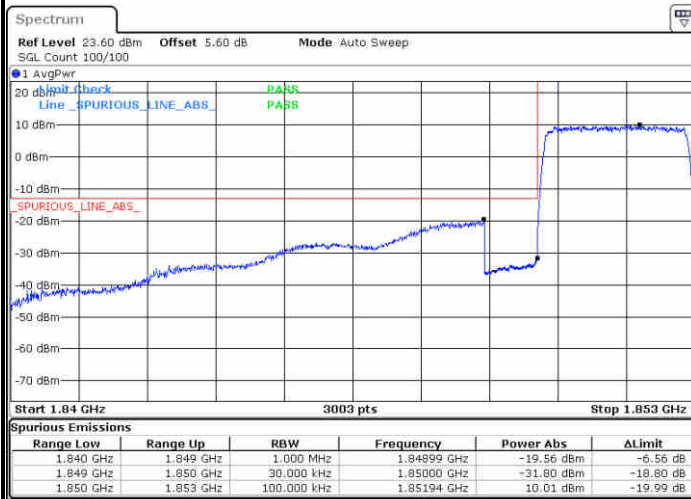
## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



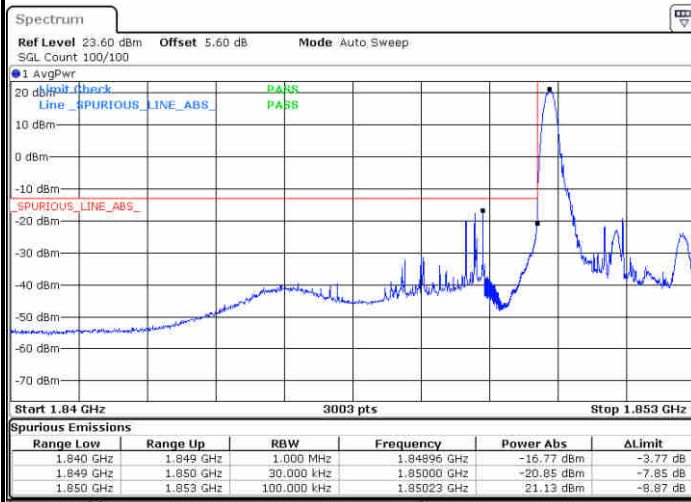
## Highest Band Edge / Full RB



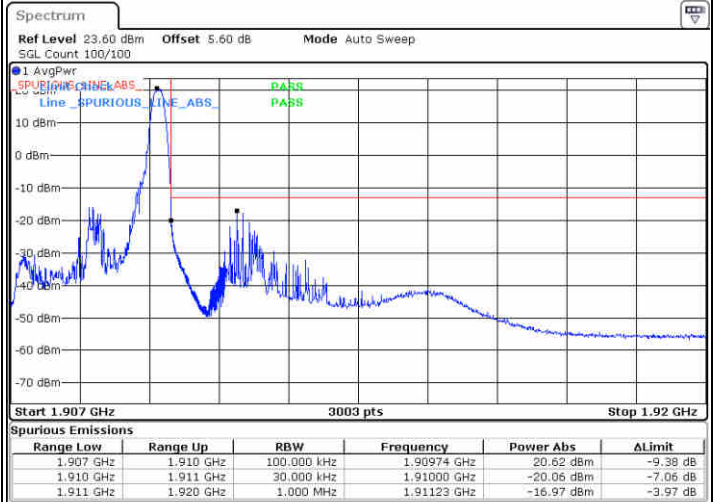


## LTE Band 2 / 3MHz / 16QAM

## Lowest Band Edge / 1 RB



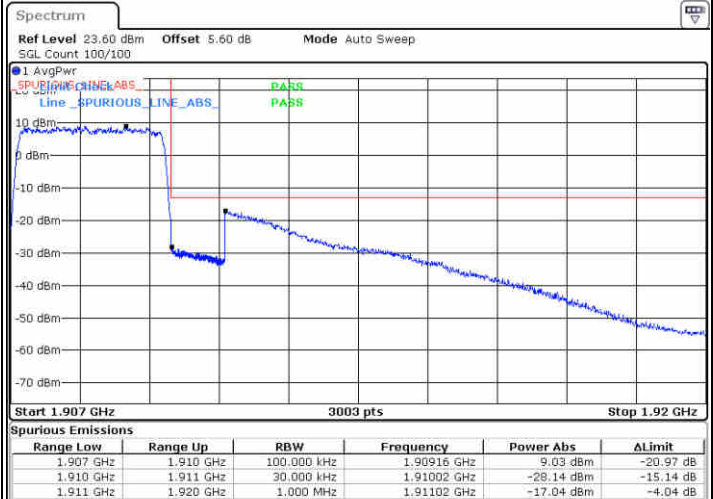
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



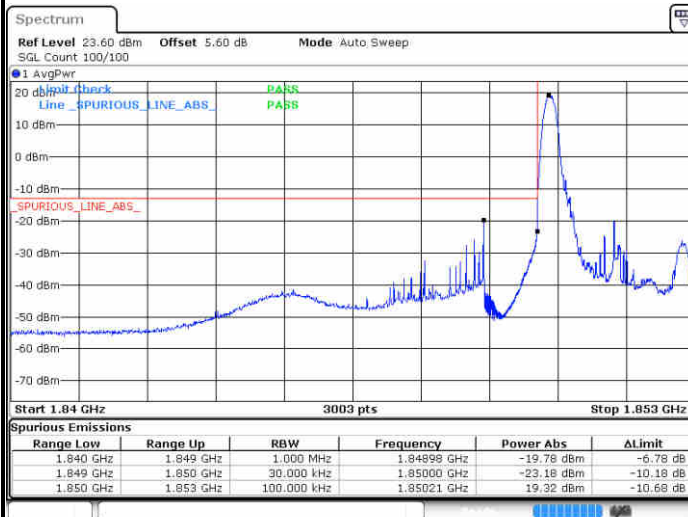
## Highest Band Edge / Full RB



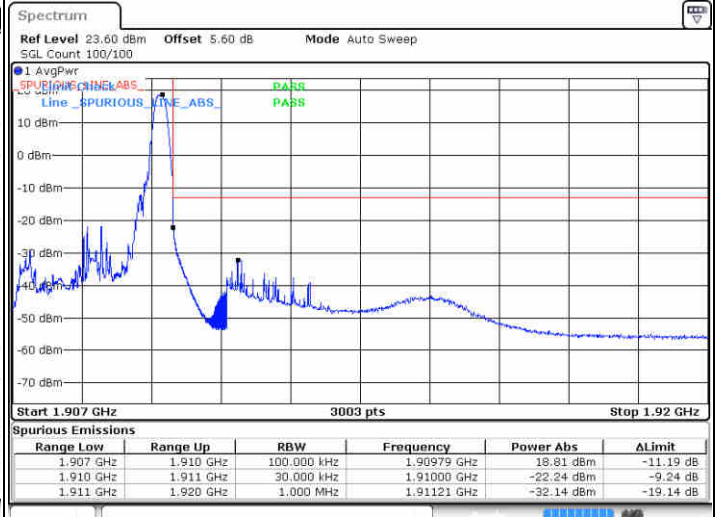


## LTE Band 2 / 3MHz / 64QAM

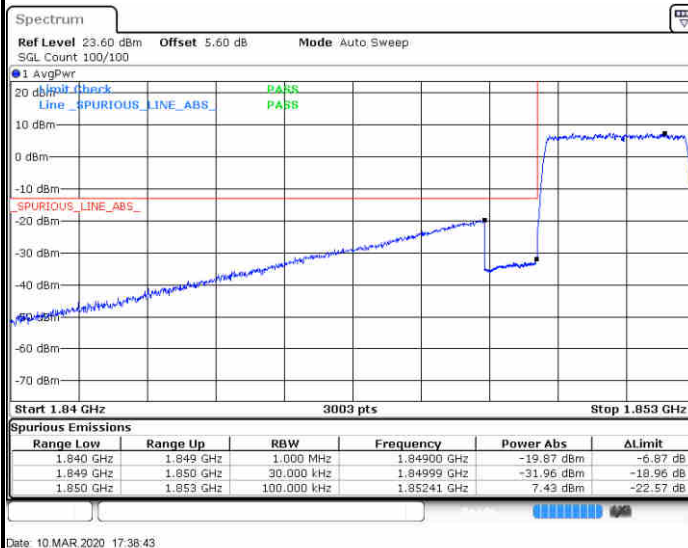
## Lowest Band Edge / 1 RB



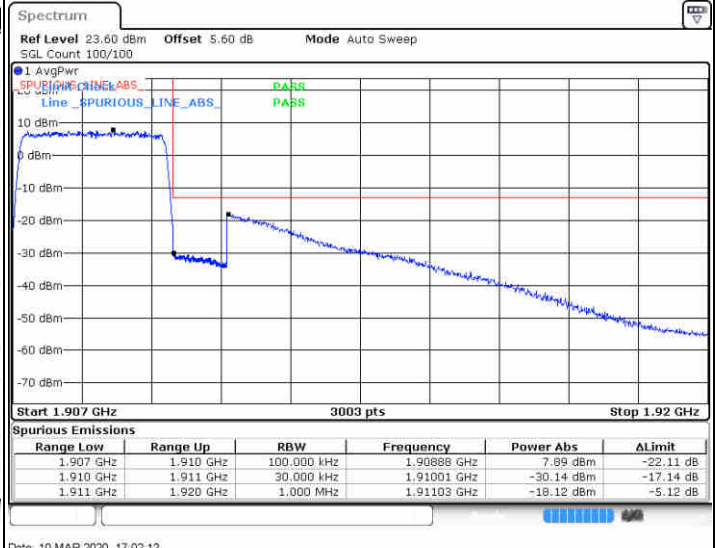
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

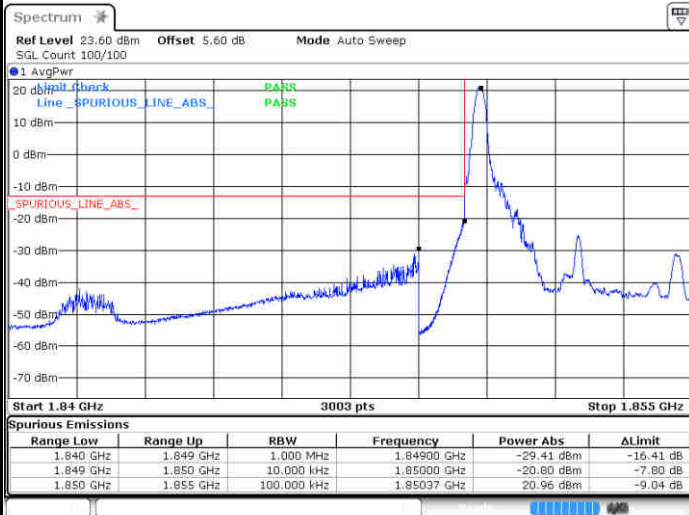




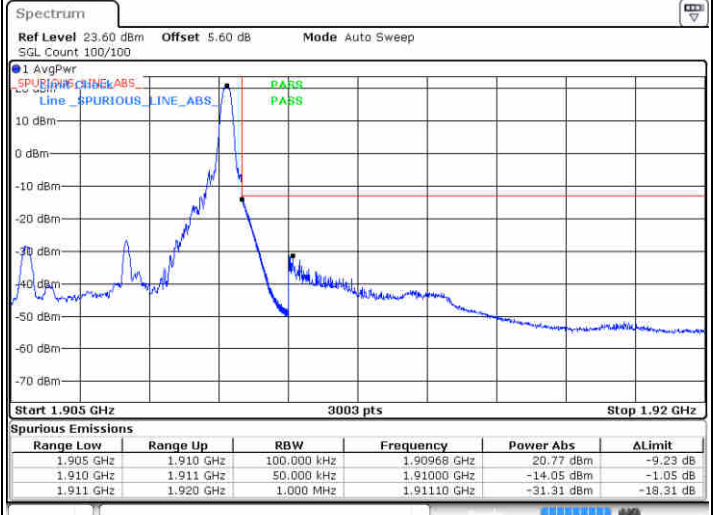


## LTE Band 2 / 5MHz / QPSK

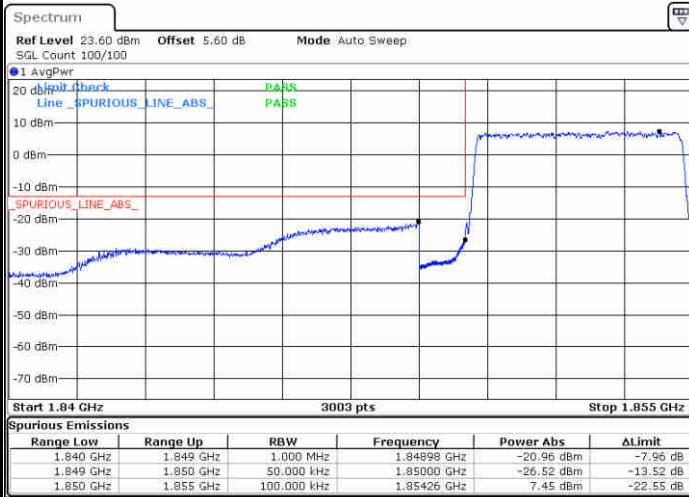
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



Date: 3.FEB.2020 23:57:11

## Highest Band Edge / Full RB

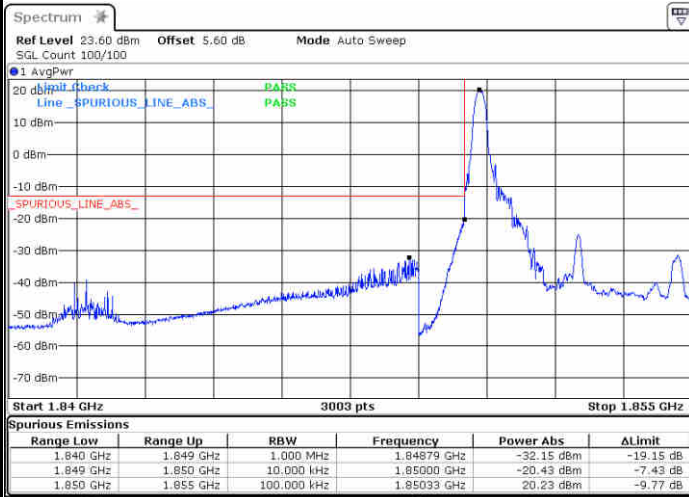


Date: 4.FEB.2020 00:06:42

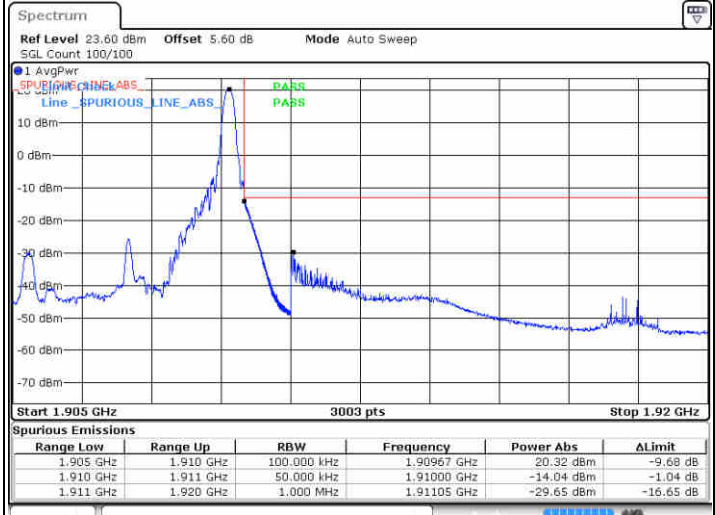


## LTE Band 2 / 5MHz / 16QAM

## Lowest Band Edge / 1RB

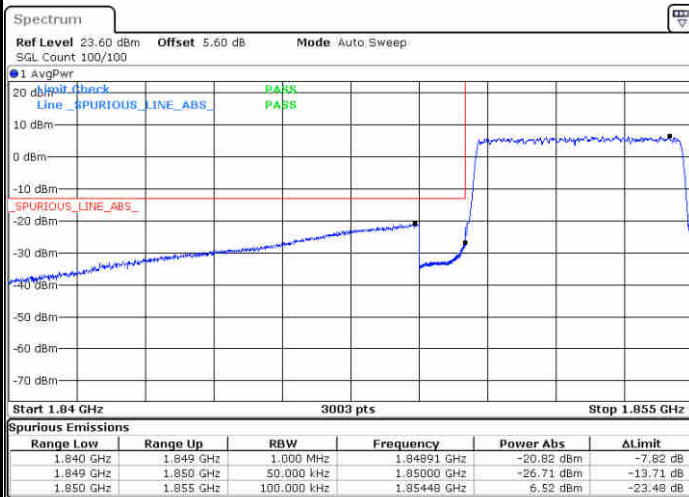


## Highest Band Edge / 1 RB



Date: 4 FEB 2020 00:05:34

## Lowest Band Edge / Full RB



Date: 3 FEB 2020 23:58:19

## Highest Band Edge / Full RB

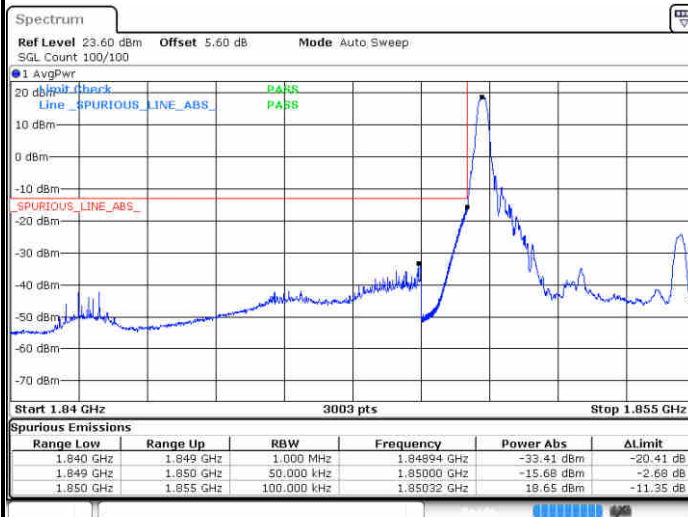


Date: 4 FEB 2020 00:07:49

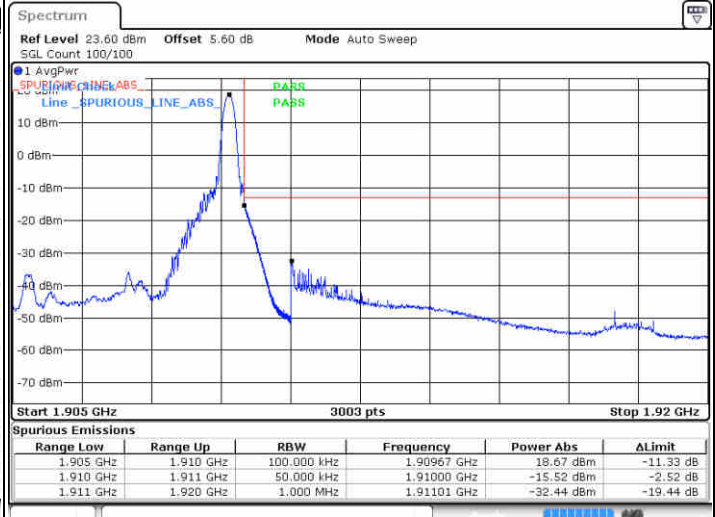


## LTE Band 2 / 5MHz / 64QAM

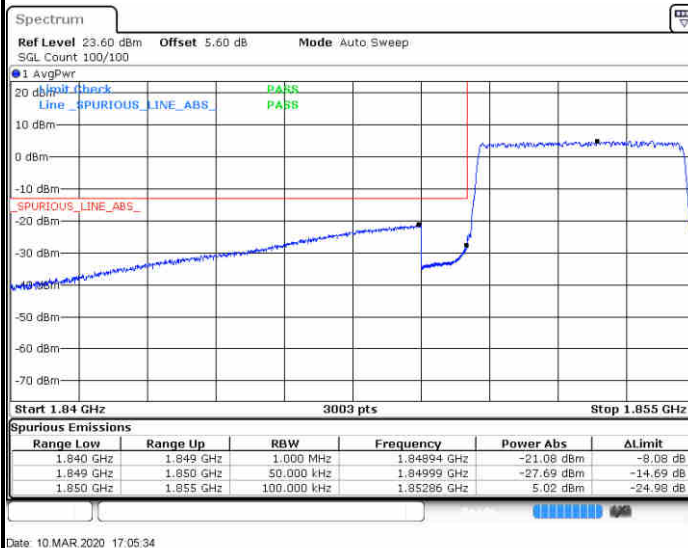
## Lowest Band Edge / 1RB



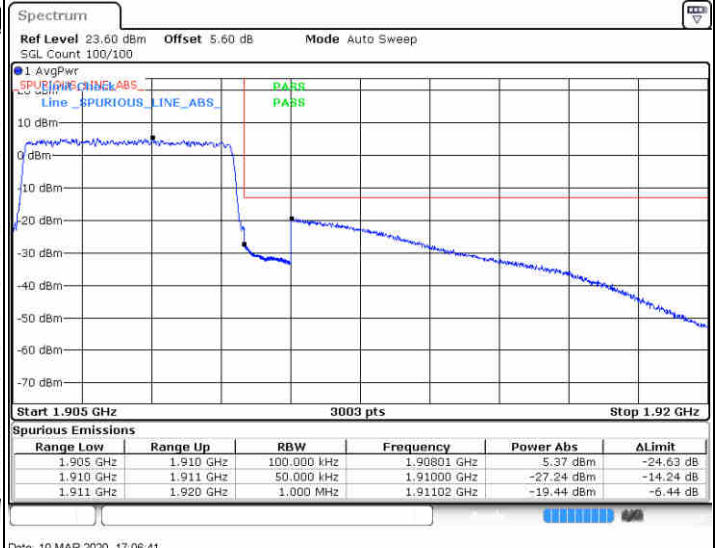
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



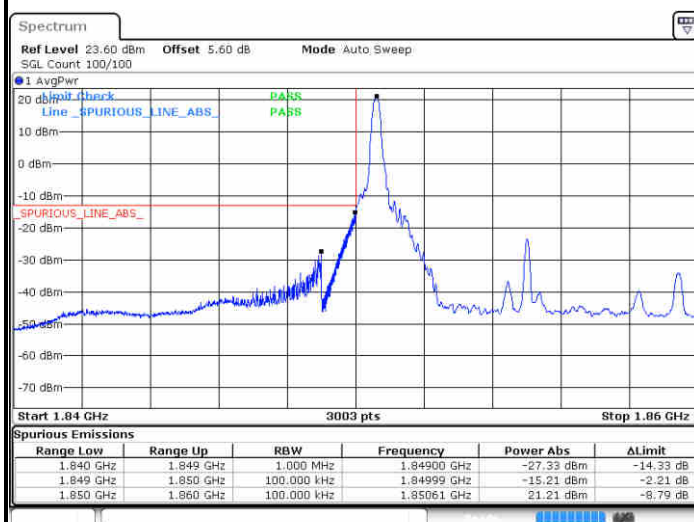
## Highest Band Edge / Full RB



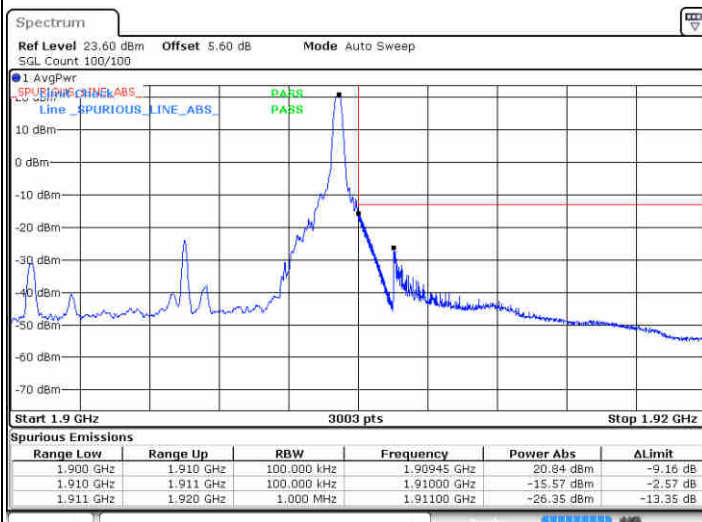


## LTE Band 2 / 10MHz / QPSK

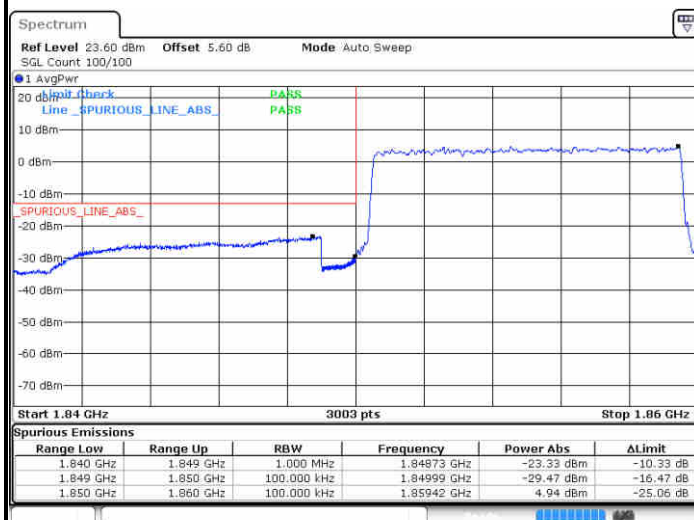
## Lowest Band Edge / 1 RB



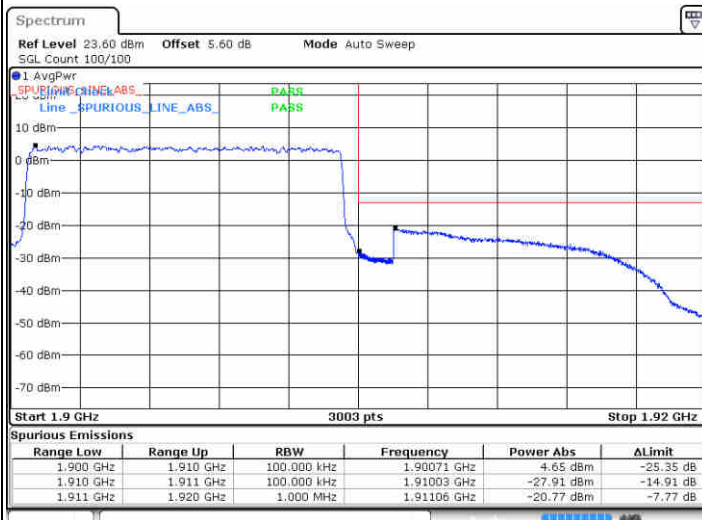
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

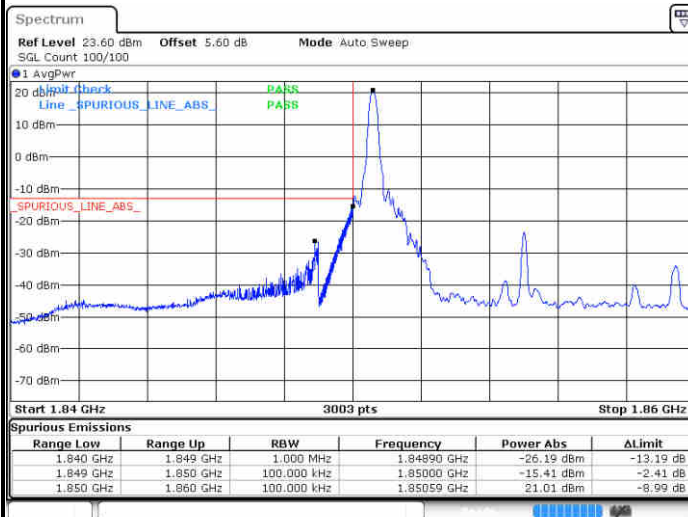




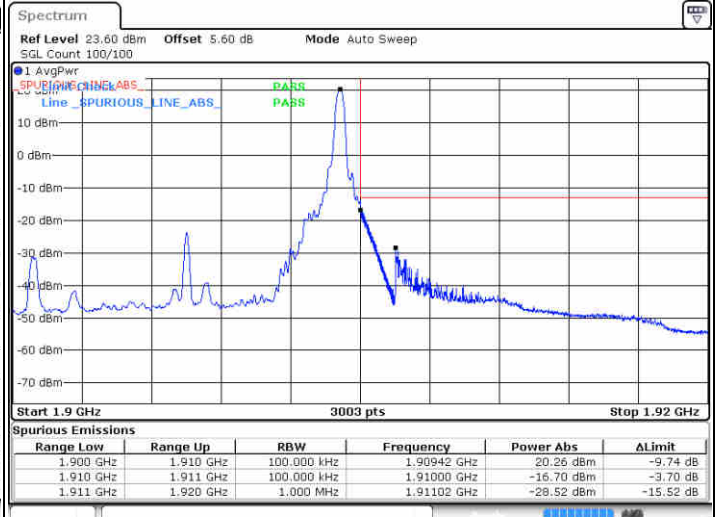


## LTE Band 2 / 10MHz / 16QAM

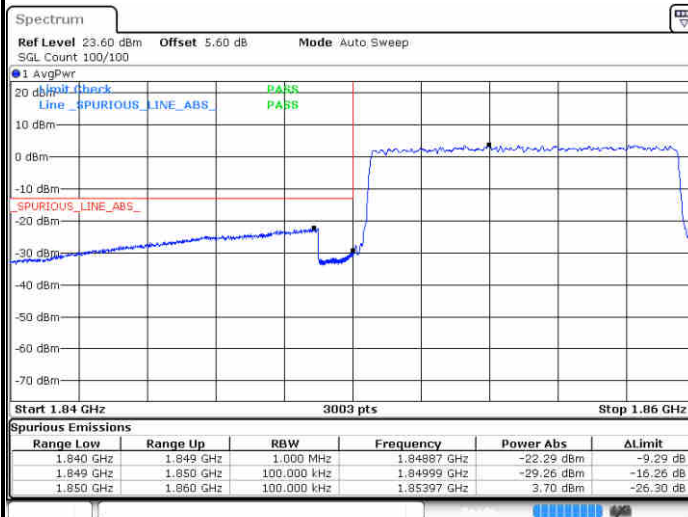
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



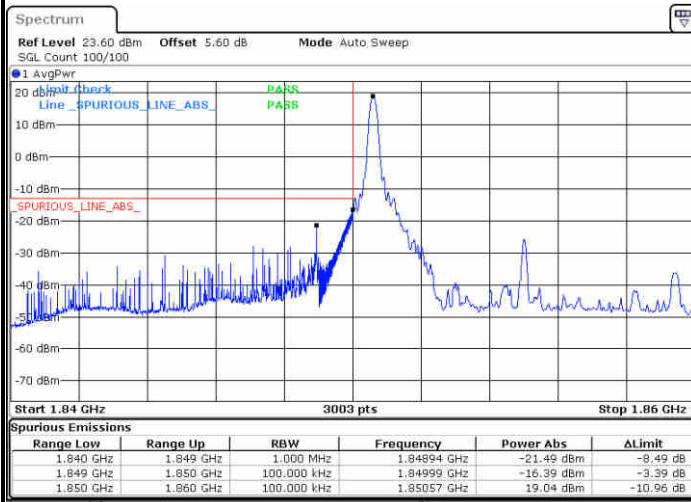
## Highest Band Edge / Full RB



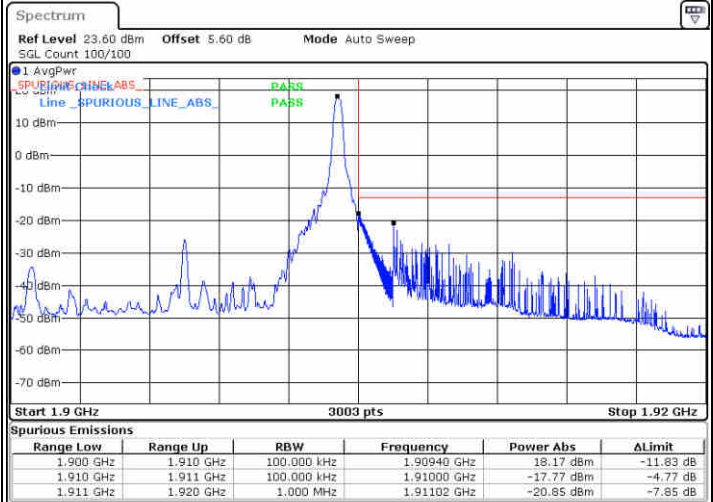


## LTE Band 2 / 10MHz / 64QAM

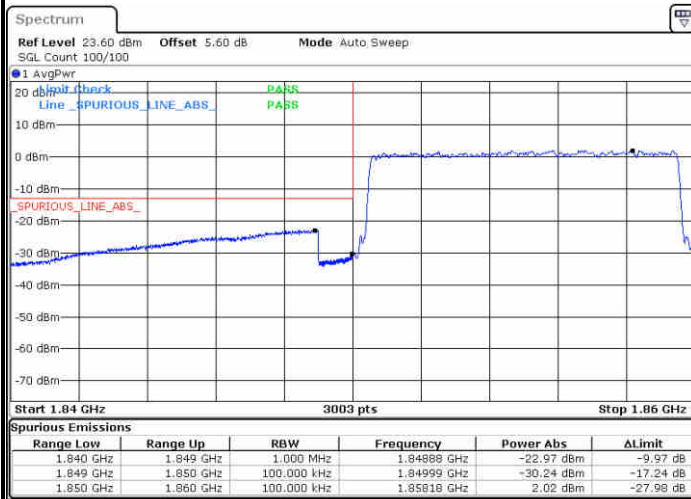
## Lowest Band Edge / 1 RB



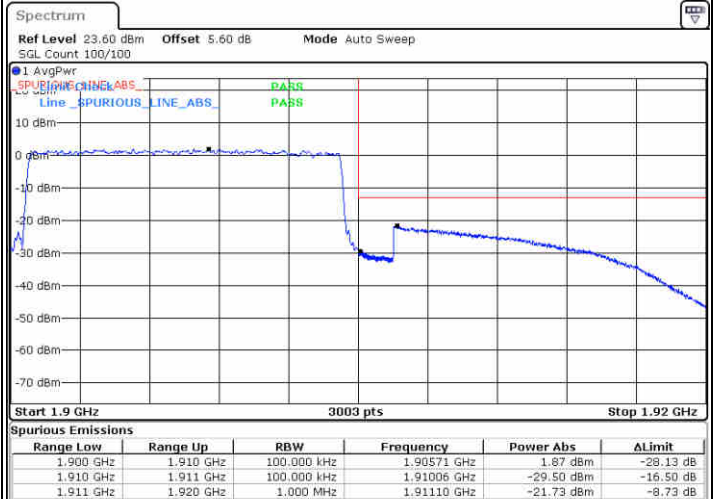
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



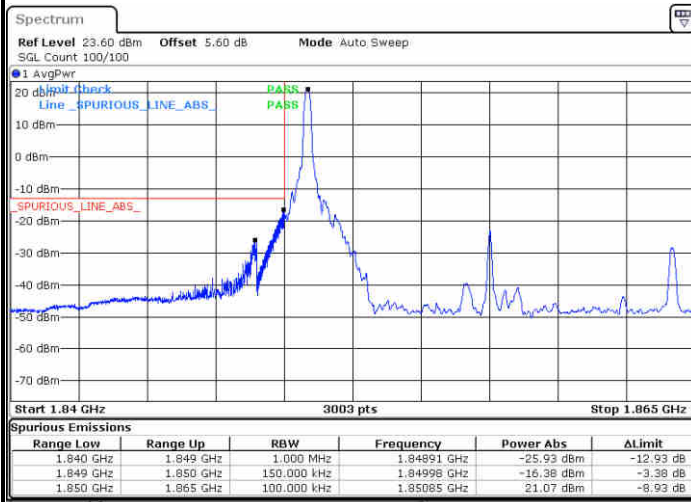
## Highest Band Edge / Full RB



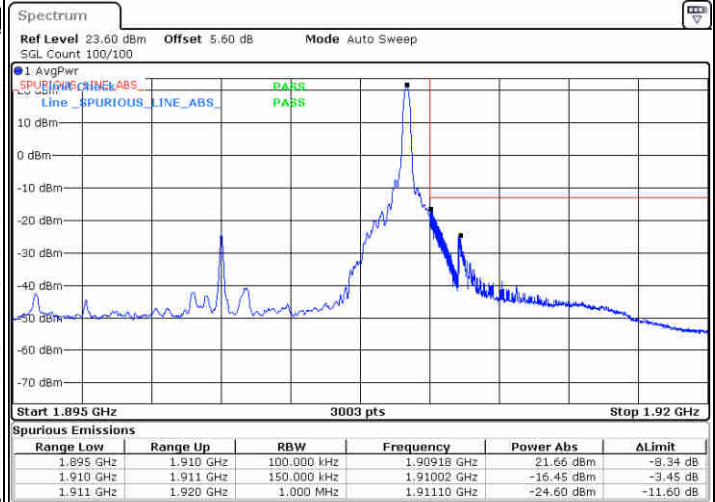


## LTE Band 2 / 15MHz / QPSK

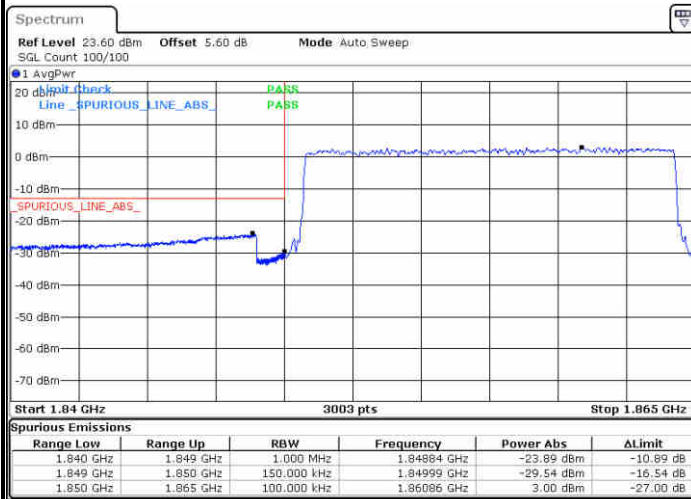
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



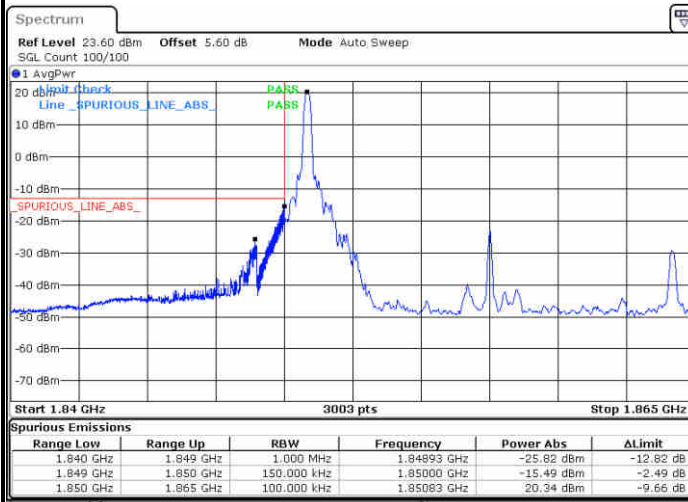
## Highest Band Edge / Full RB



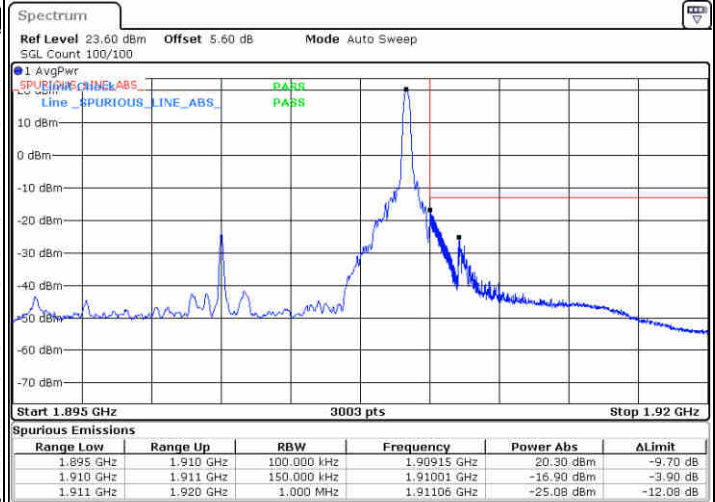


## LTE Band 2 / 15MHz / 16QAM

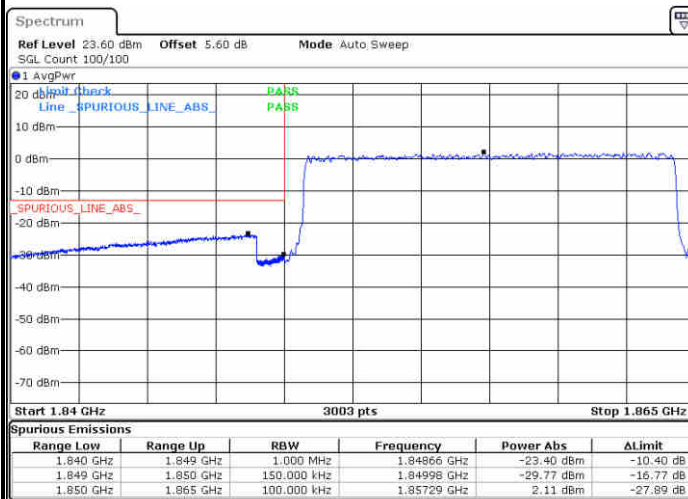
## Lowest Band Edge / 1 RB



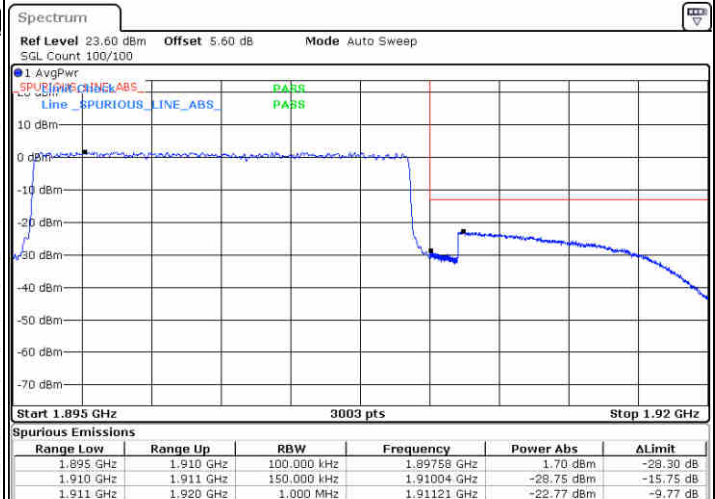
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

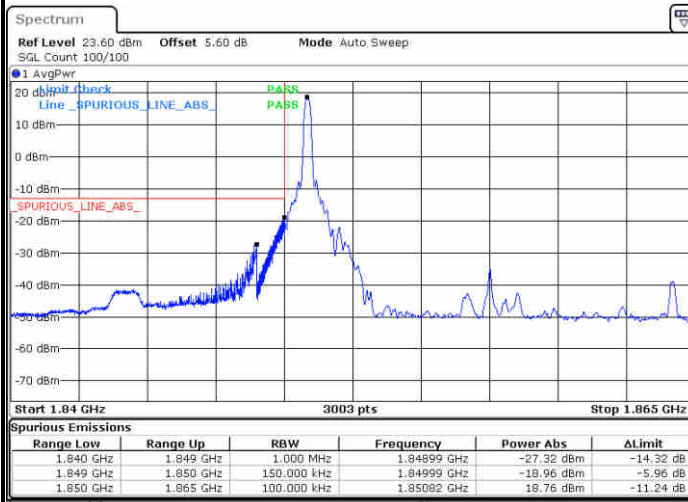




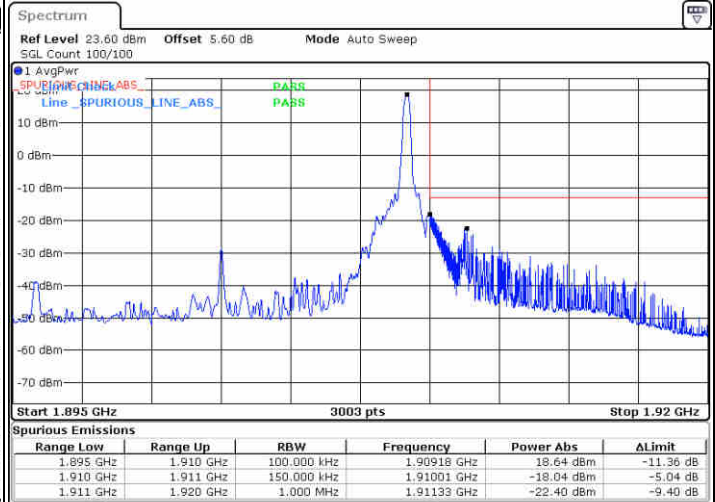


## LTE Band 2 / 15MHz / 64QAM

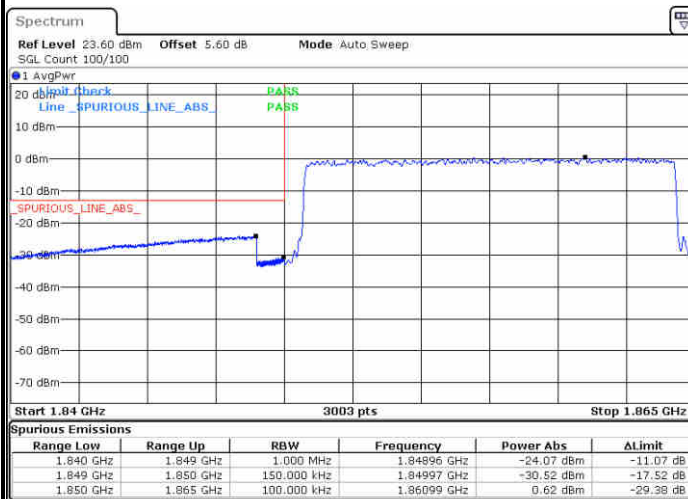
## Lowest Band Edge / 1 RB



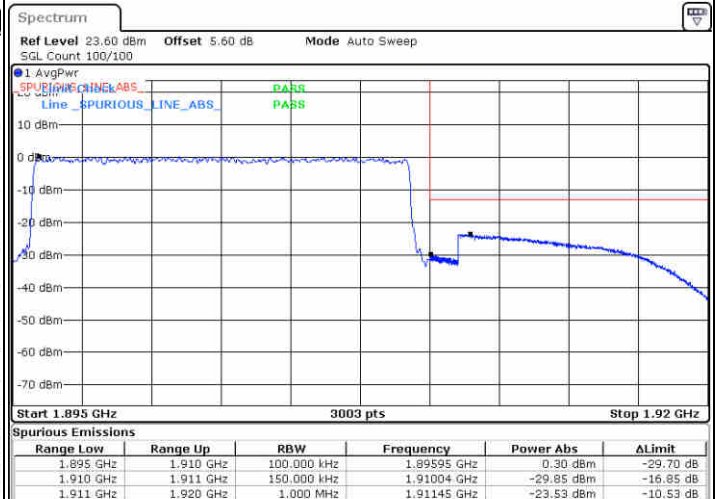
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



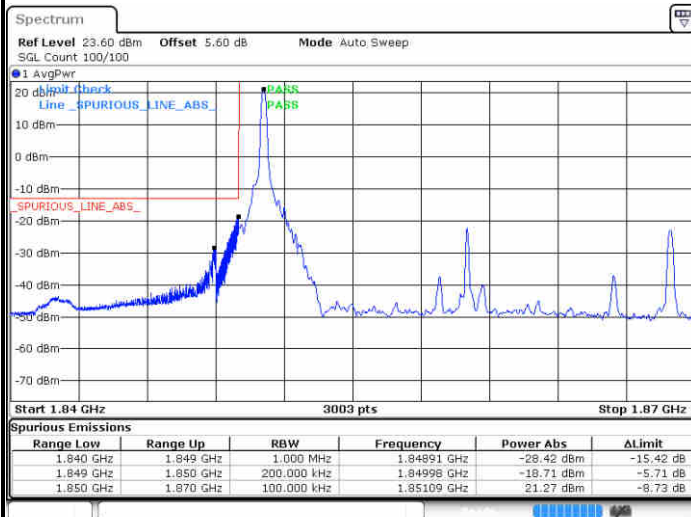
## Highest Band Edge / Full RB



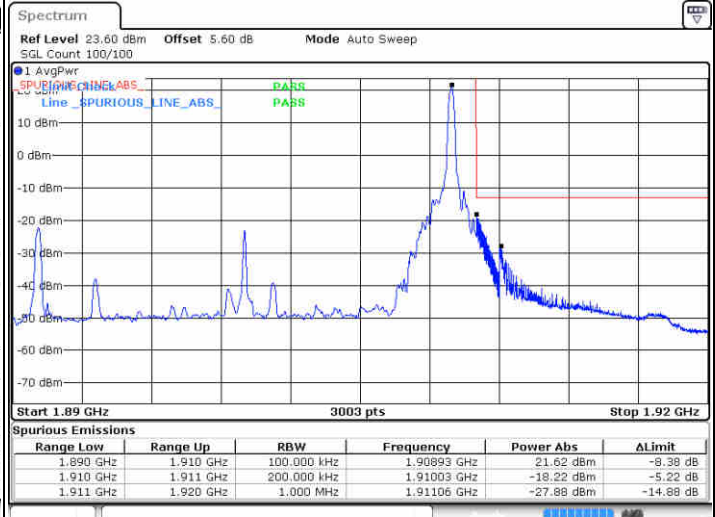


## LTE Band 2 / 20MHz / QPSK

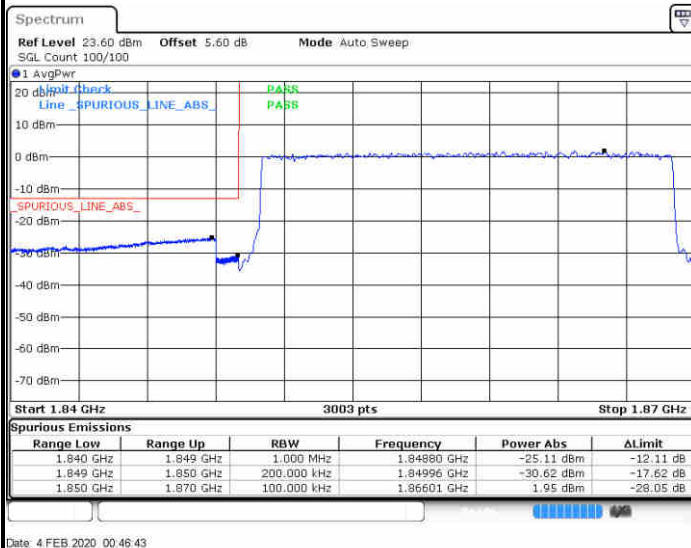
## Lowest Band Edge / 1 RB



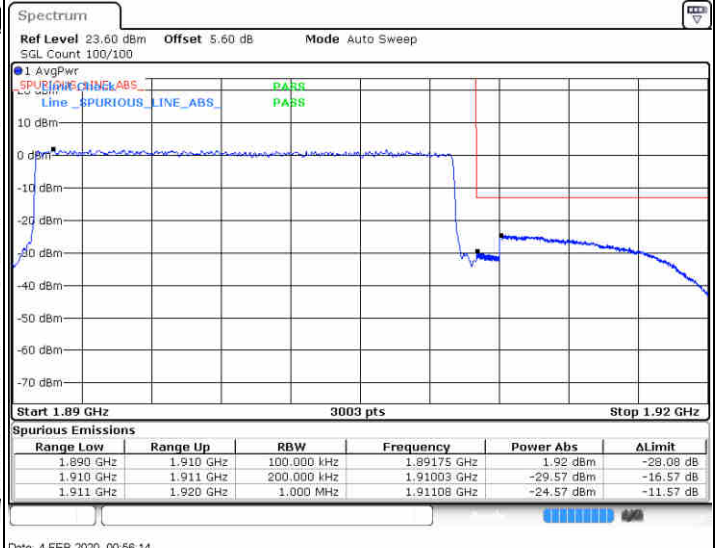
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



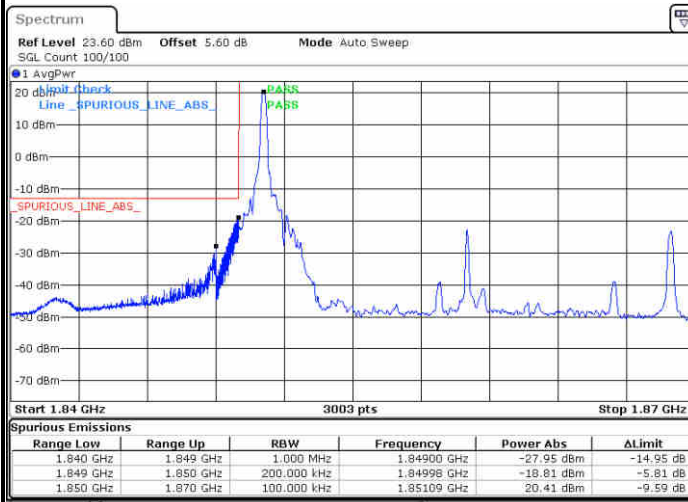
## Highest Band Edge / Full RB



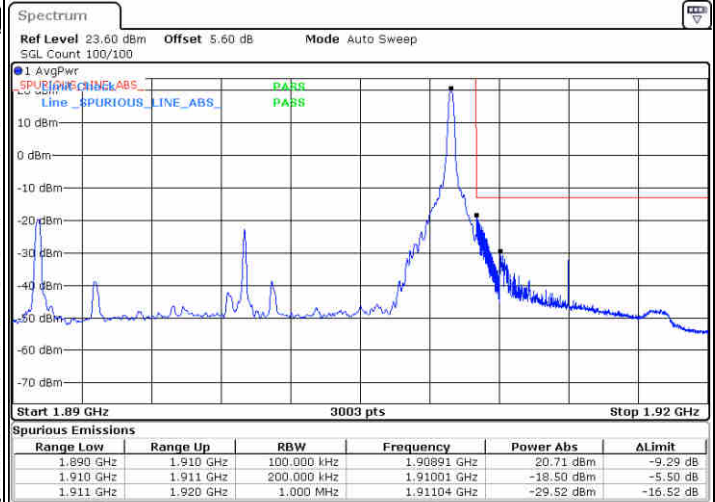


## LTE Band 2 / 20MHz / 16QAM

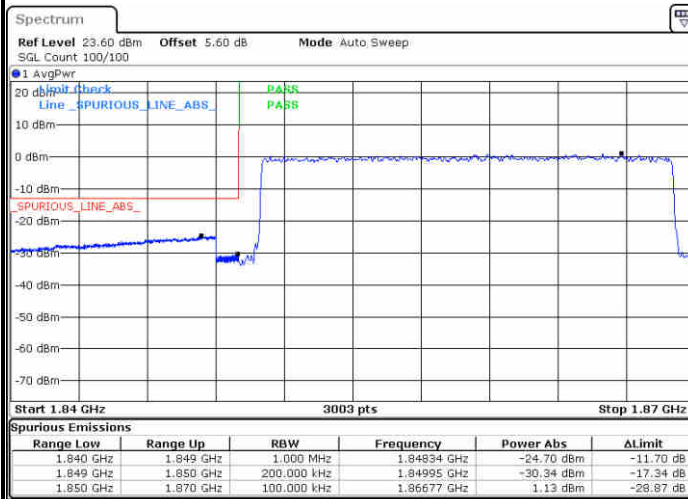
## Lowest Band Edge / 1 RB



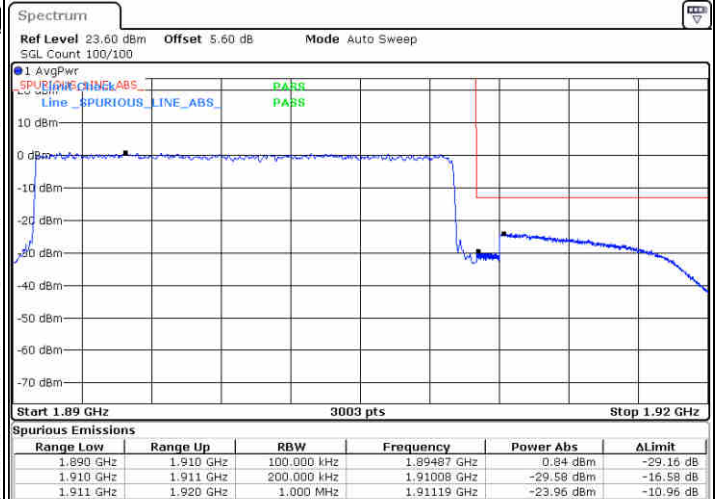
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



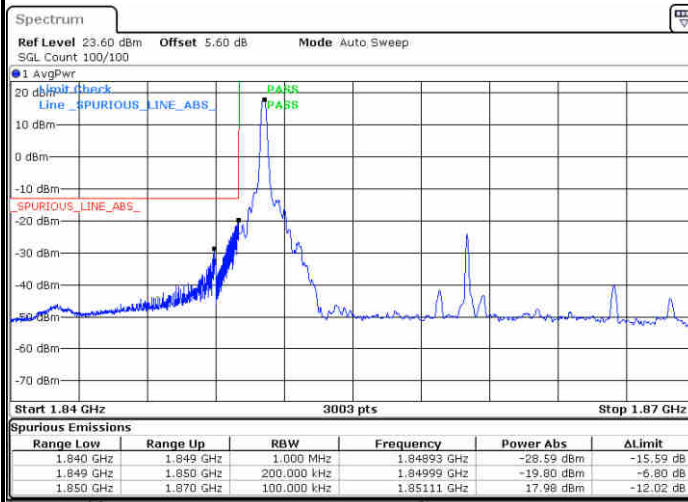
## Highest Band Edge / Full RB



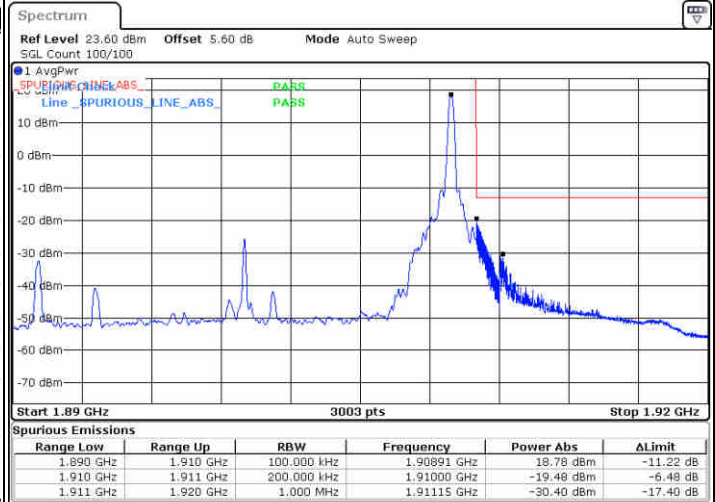


## LTE Band 2 / 20MHz / 64QAM

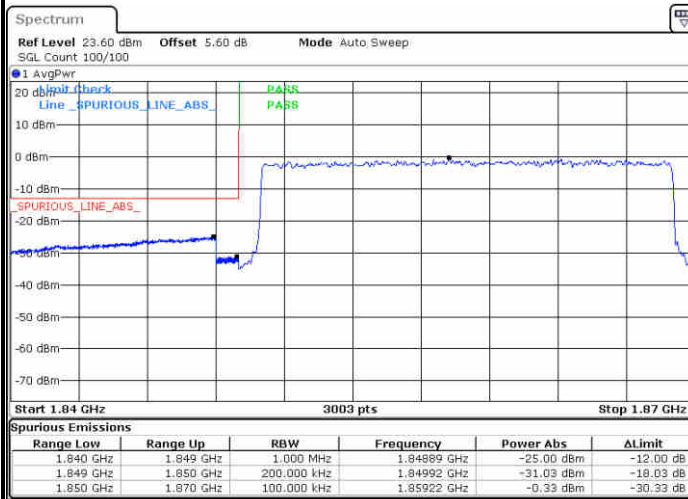
## Lowest Band Edge / 1 RB



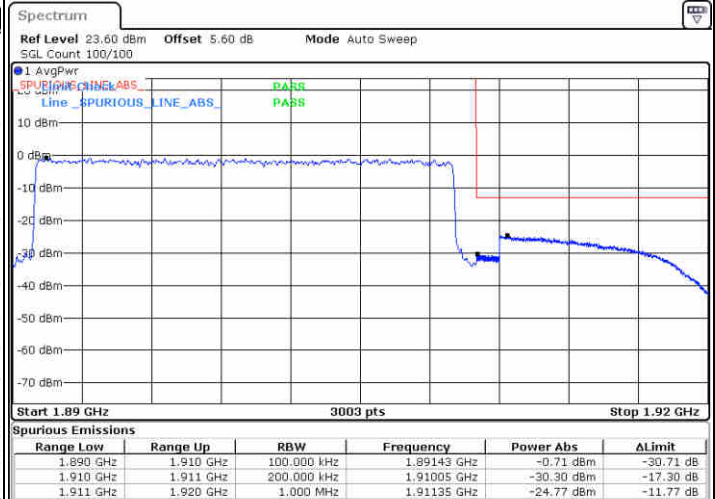
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



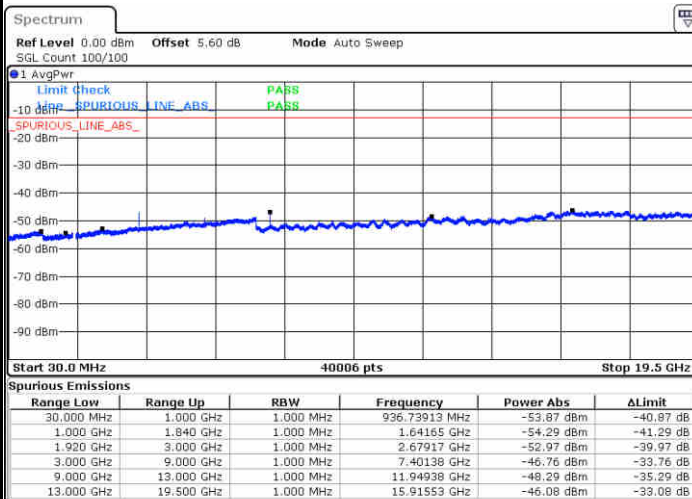




# Conducted Spurious Emission

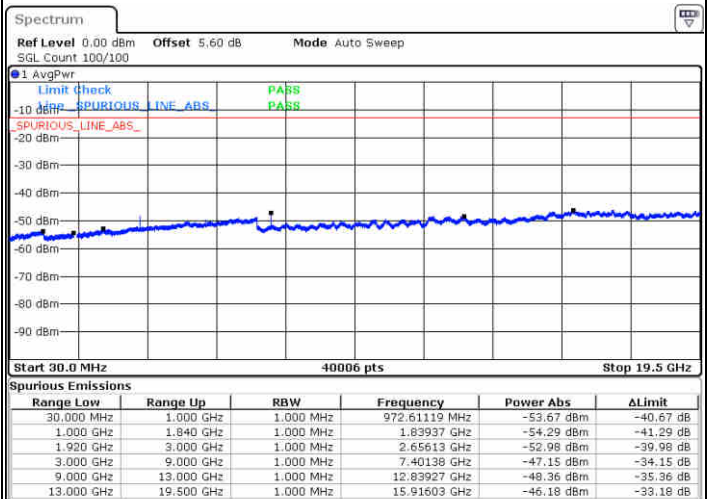
## LTE Band 2 / 1.4MHz

### Lowest Channel / QPSK



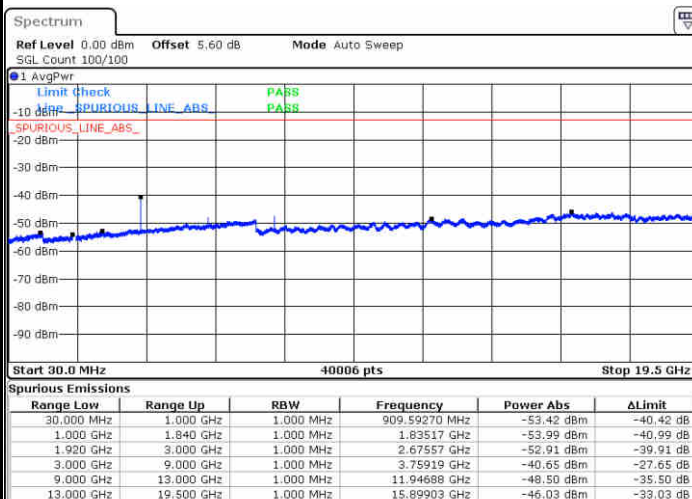
Date: 4 FEB 2020 08:31:22

### Lowest Channel / 16QAM



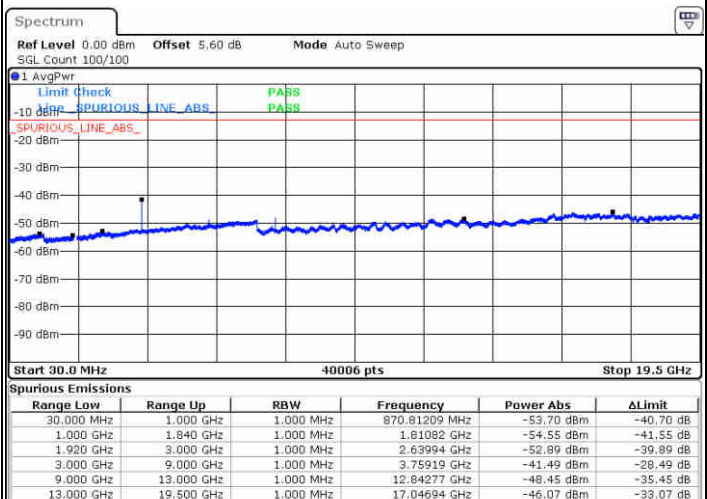
Date: 4 FEB 2020 08:32:16

### Middle Channel / QPSK



Date: 4 FEB 2020 08:33:52

### Middle Channel / 16QAM

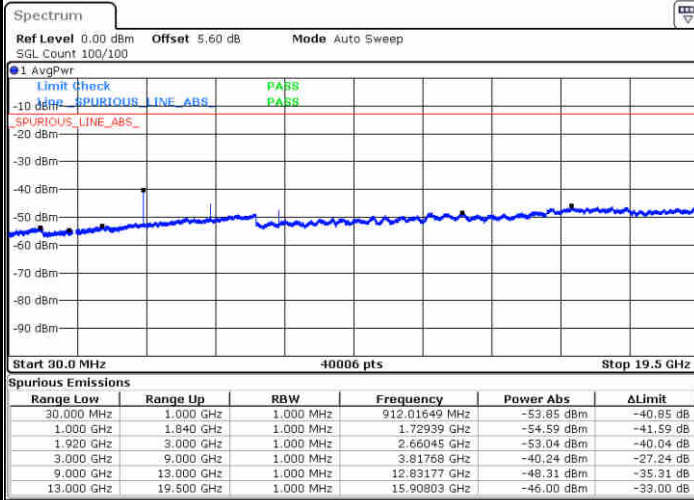


Date: 4 FEB 2020 08:34:47



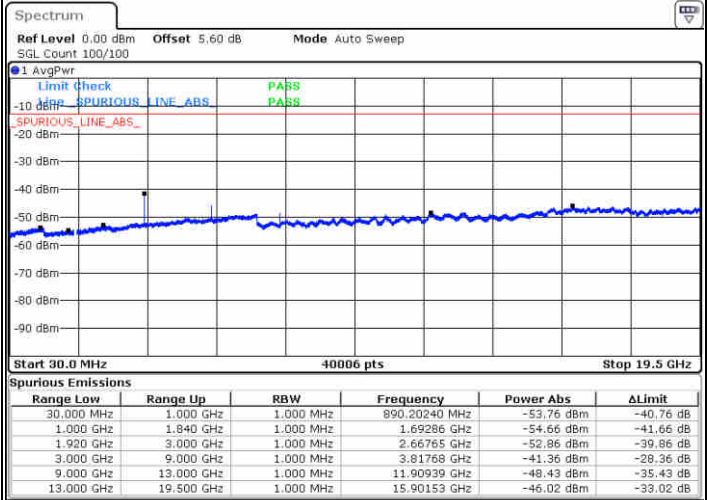
## LTE Band 2 / 1.4MHz

## Highest Channel / QPSK



Date: 4 FEB 2020 08:40:53

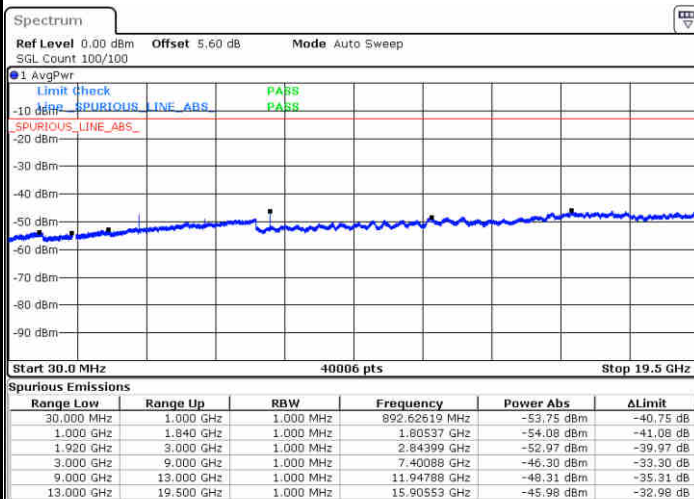
## Highest Channel / 16QAM



Date: 4 FEB 2020 08:41:47

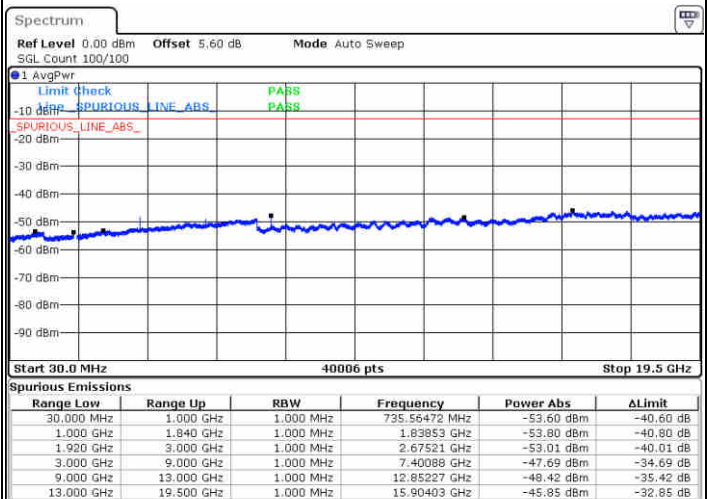
## LTE Band 2 / 3MHz

## Lowest Channel / QPSK



Date: 4 FEB 2020 08:47:53

## Lowest Channel / 16QAM

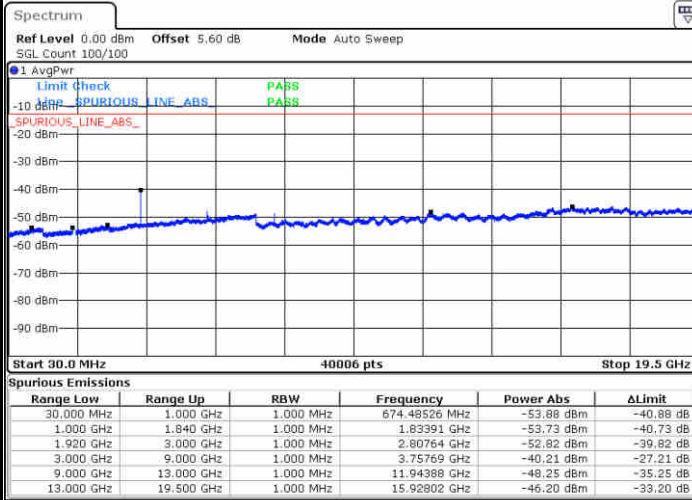


Date: 4 FEB 2020 08:48:48



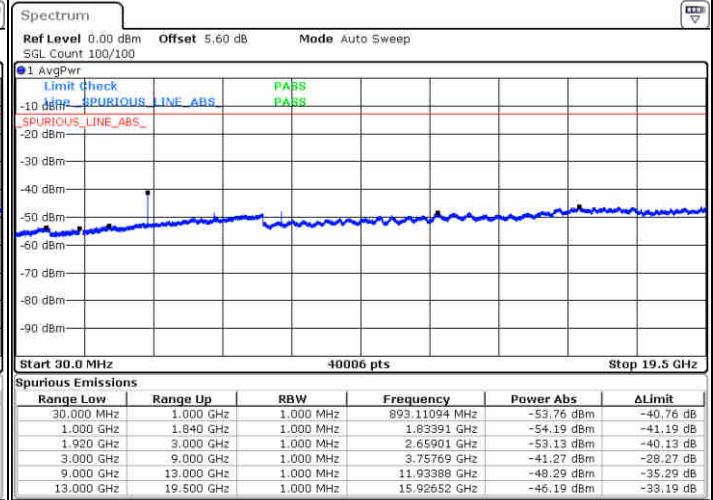
## LTE Band 2 / 3MHz

## Middle Channel / QPSK



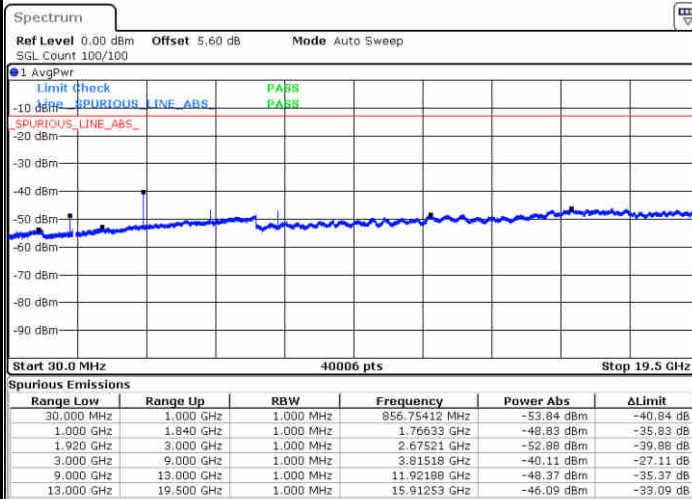
Date: 4 FEB 2020 08:50:24

## Middle Channel / 16QAM



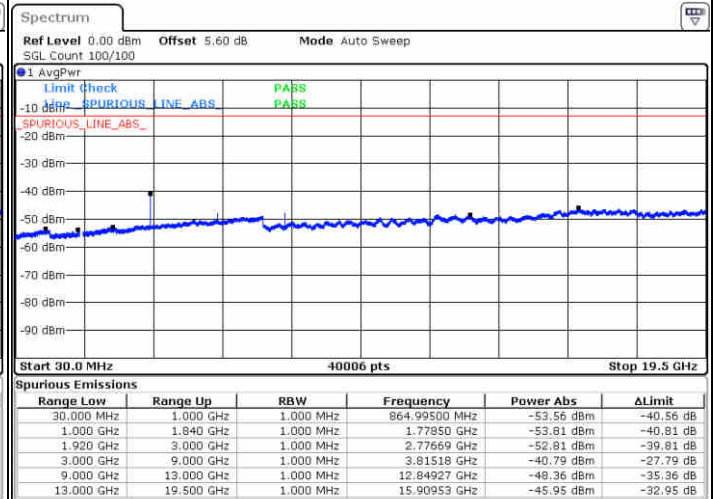
Date: 4 FEB 2020 08:51:19

## Highest Channel / QPSK



Date: 4 FEB 2020 08:57:25

## Highest Channel / 16QAM

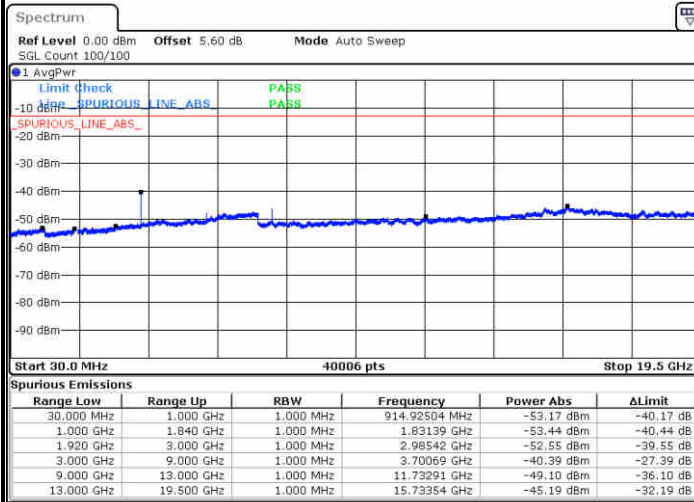


Date: 4 FEB 2020 08:58:20



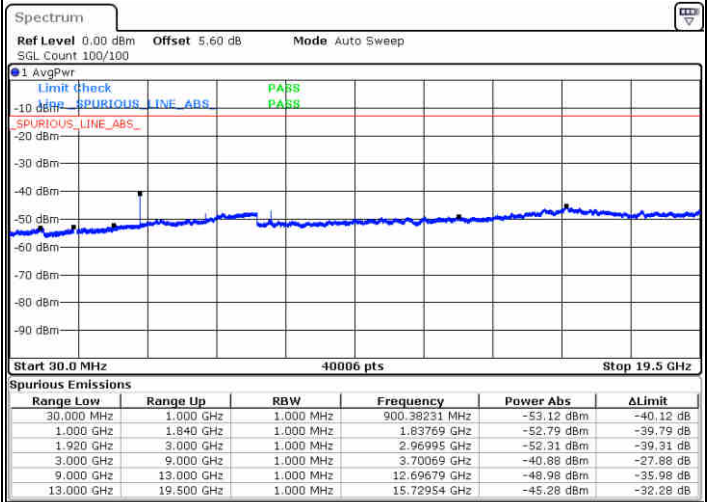
## LTE Band 2 / 5MHz

## Lowest Channel / QPSK



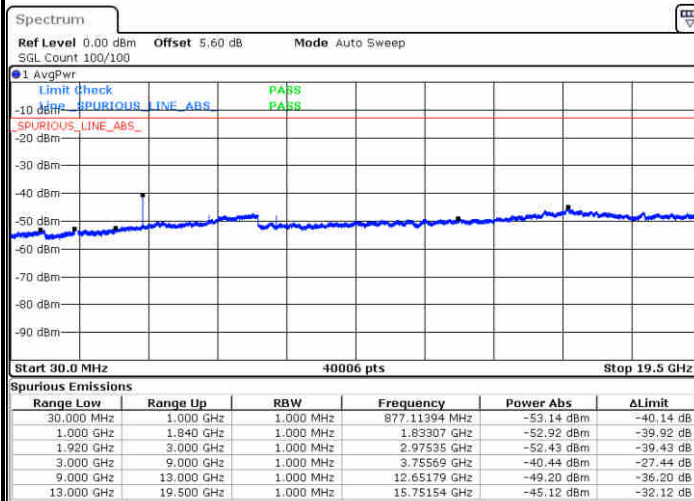
Date: 3.FEB.2020 23:58:13

## Lowest Channel / 16QAM



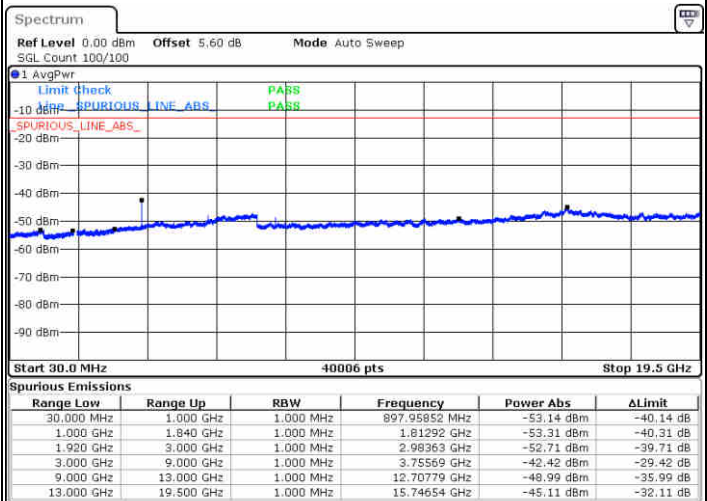
Date: 4.FEB.2020 00:00:08

## Middle Channel / QPSK



Date: 4.FEB.2020 00:01:43

## Middle Channel / 16QAM



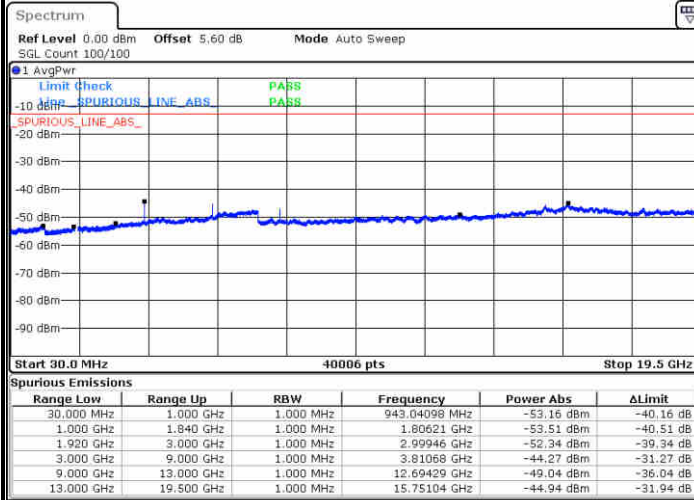
Date: 4.FEB.2020 00:02:38





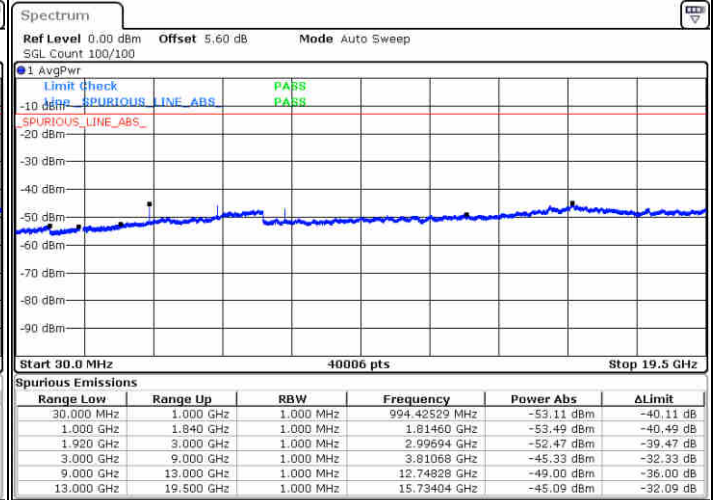
## LTE Band 2 / 5MHz

## Highest Channel / QPSK



Date: 4 FEB 2020 00:08:43

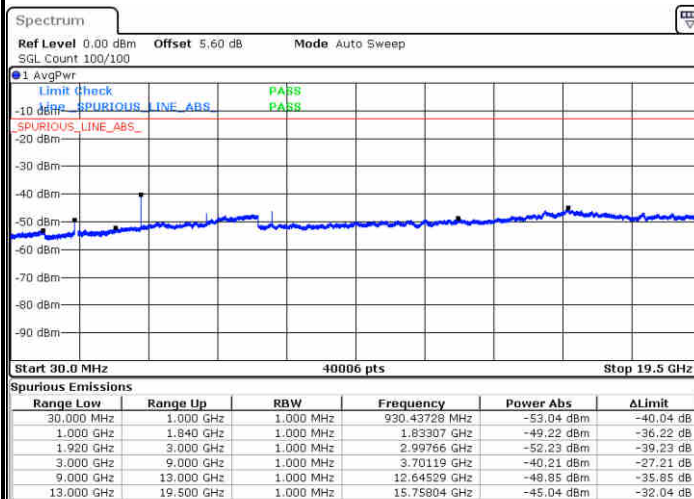
## Highest Channel / 16QAM



Date: 4 FEB 2020 00:09:38

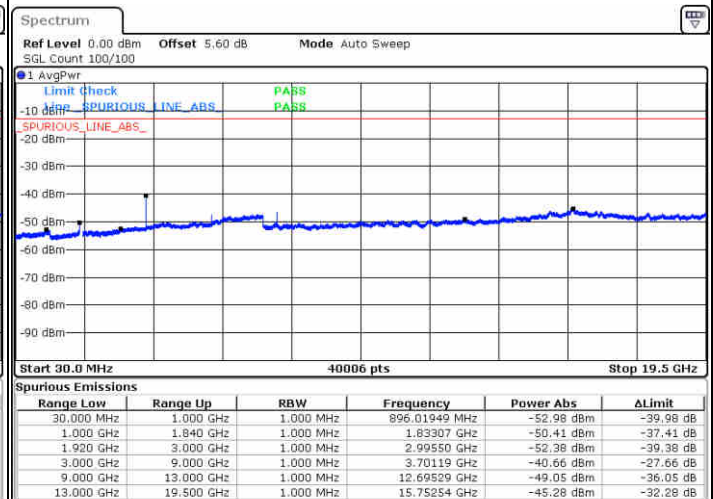
## LTE Band 2 / 10MHz

## Lowest Channel / QPSK



Date: 4 FEB 2020 00:15:43

## Lowest Channel / 16QAM

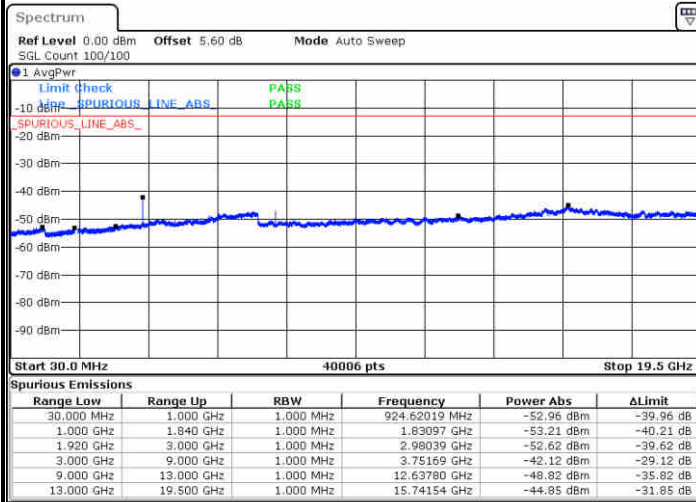


Date: 4 FEB 2020 00:16:38



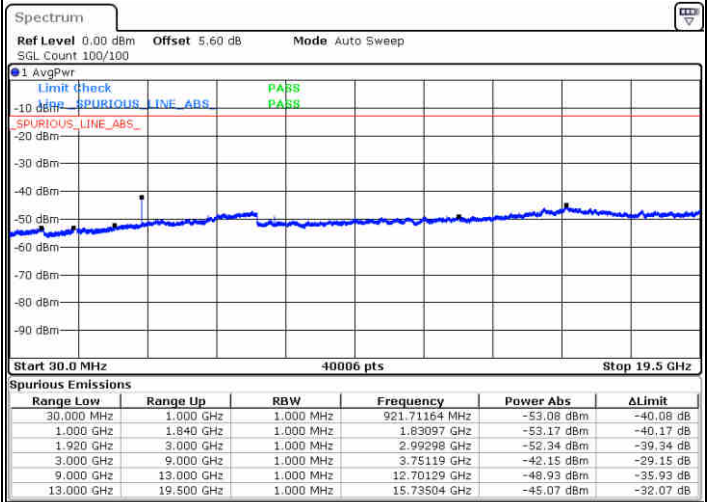
## LTE Band 2 / 10MHz

## Middle Channel / QPSK



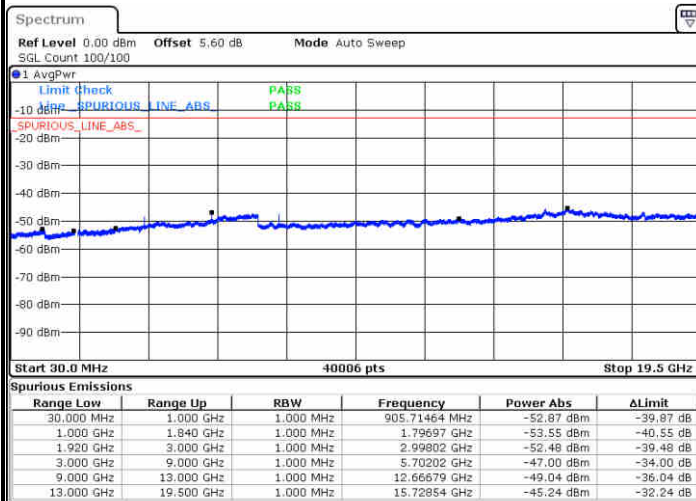
Date: 4 FEB 2020 00:18:13

## Middle Channel / 16QAM



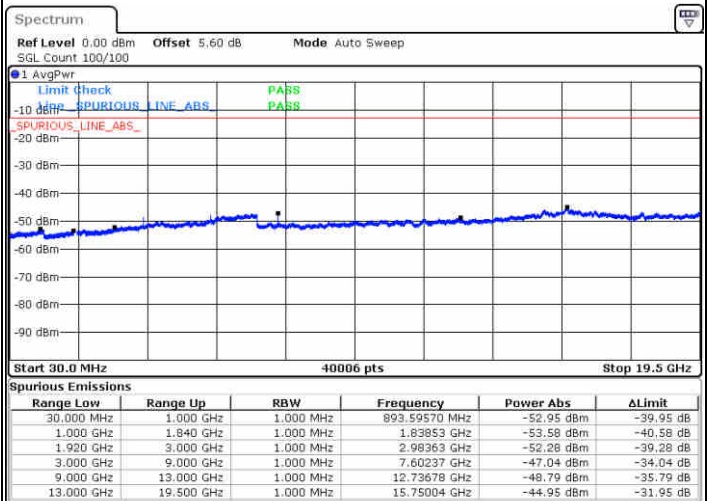
Date: 4 FEB 2020 00:18:08

## Highest Channel / QPSK



Date: 4 FEB 2020 00:25:14

## Highest Channel / 16QAM

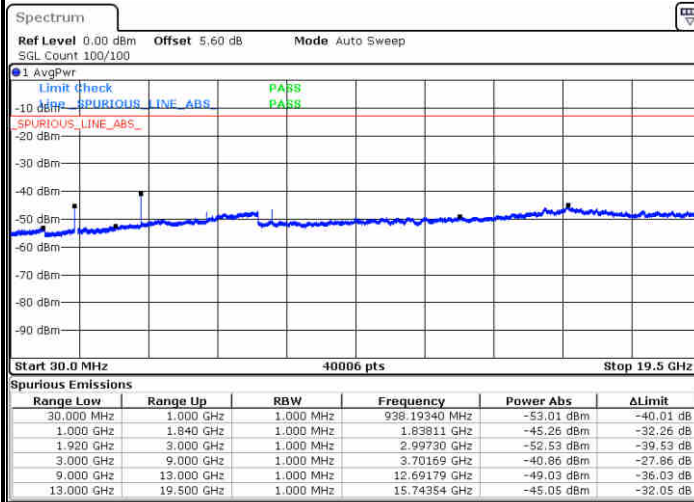


Date: 4 FEB 2020 00:26:09



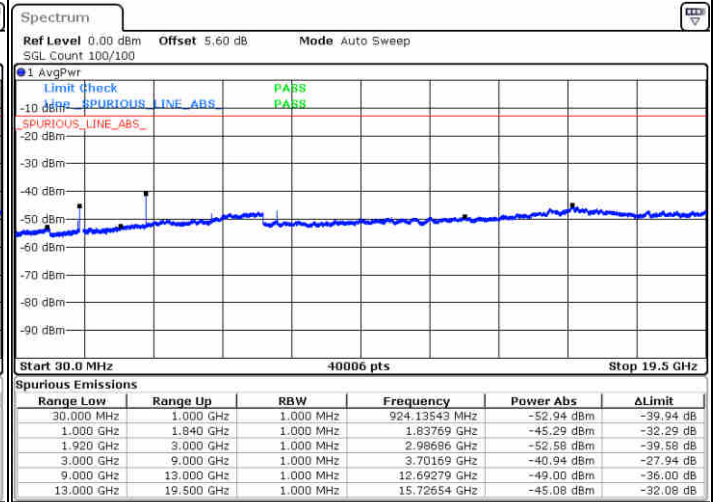
## LTE Band 2 / 15MHz

## Lowest Channel / QPSK



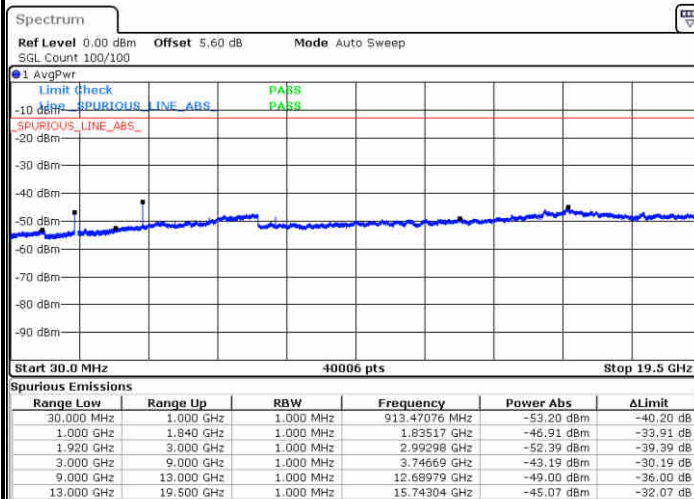
Date: 4 FEB 2020 00:32:14

## Lowest Channel / 16QAM



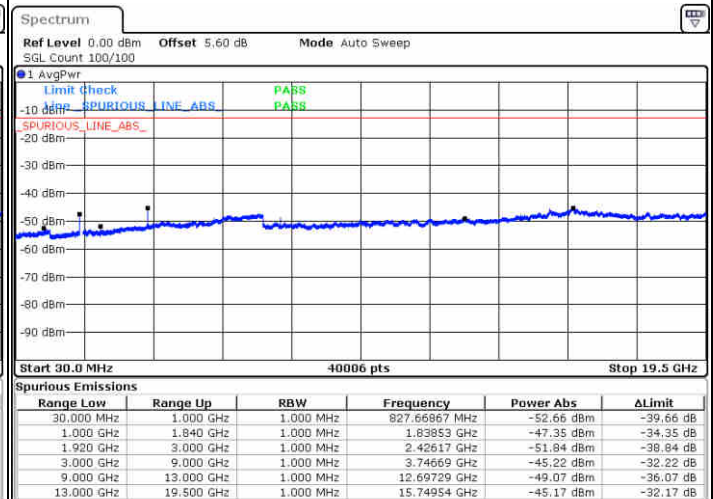
Date: 4 FEB 2020 00:33:09

## Middle Channel / QPSK



Date: 4 FEB 2020 00:34:44

## Middle Channel / 16QAM

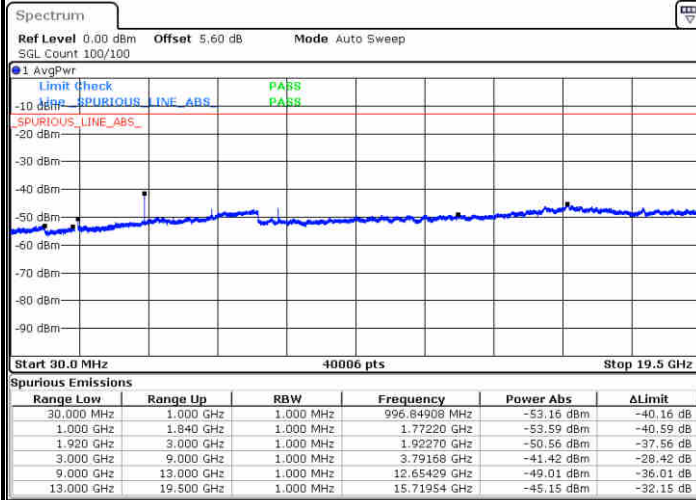


Date: 4 FEB 2020 00:35:39



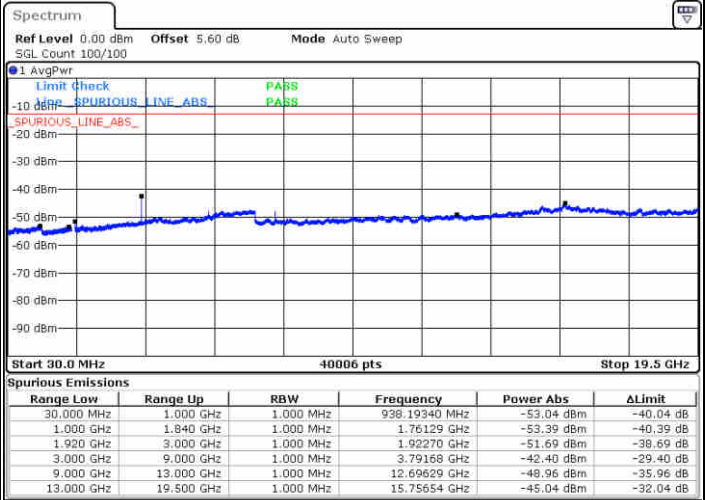
## LTE Band 2 / 15MHz

## Highest Channel / QPSK



Date: 4 FEB 2020 00:41:44

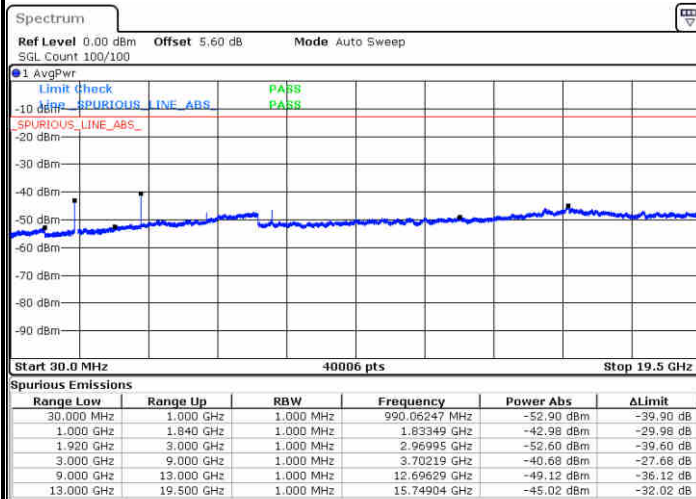
## Highest Channel / 16QAM



Date: 4 FEB 2020 00:42:39

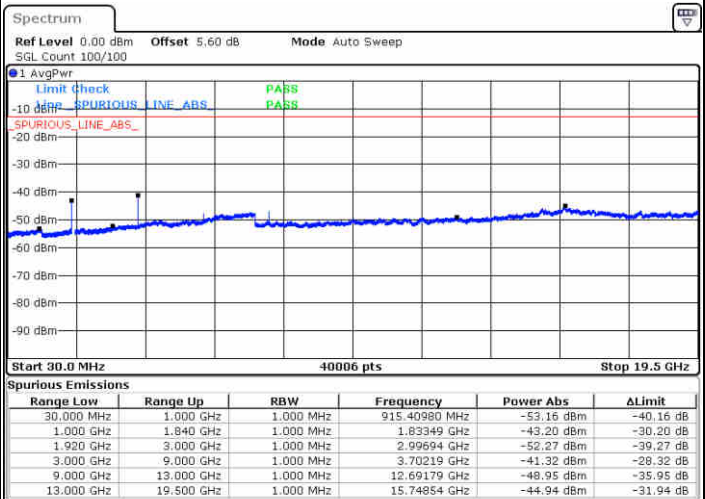
## LTE Band 2 / 20MHz

## Lowest Channel / QPSK



Date: 4 FEB 2020 00:48:45

## Lowest Channel / 16QAM



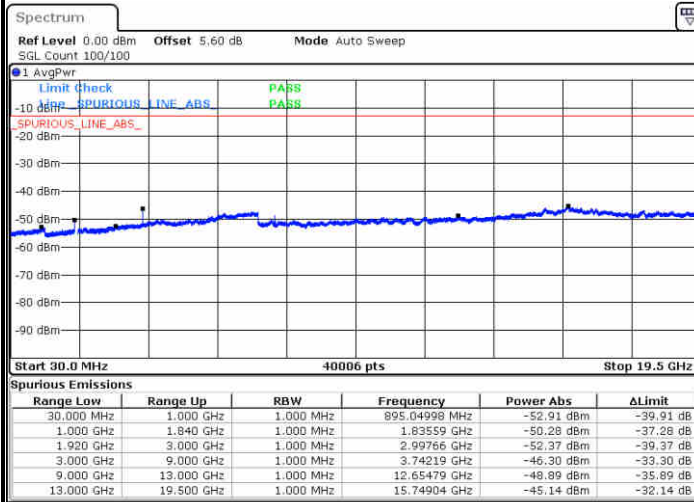
Date: 4 FEB 2020 00:49:40





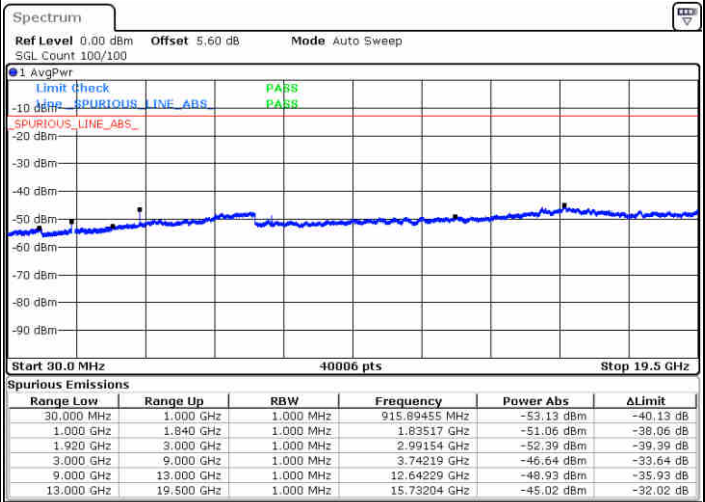
## LTE Band 2 / 20MHz

## Middle Channel / QPSK



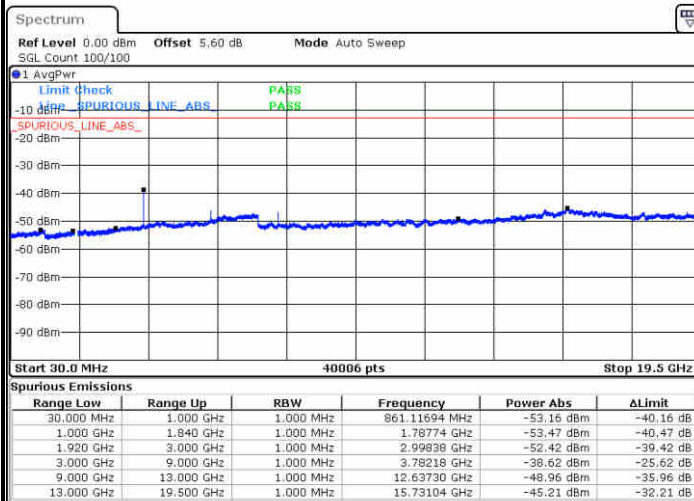
Date: 4 FEB 2020 00:51:15

## Middle Channel / 16QAM



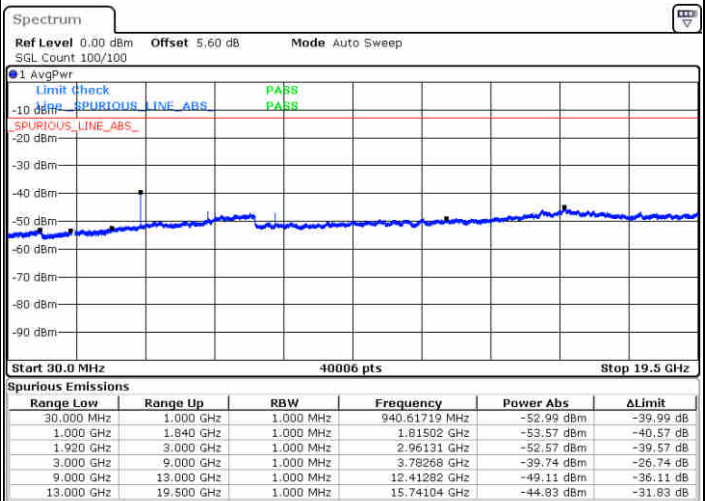
Date: 4 FEB 2020 00:52:10

## Highest Channel / QPSK



Date: 4 FEB 2020 00:58:15

## Highest Channel / 16QAM

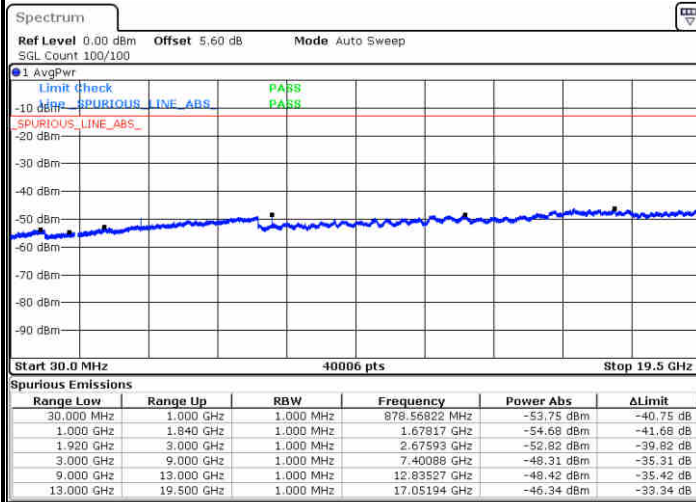


Date: 4 FEB 2020 00:58:10



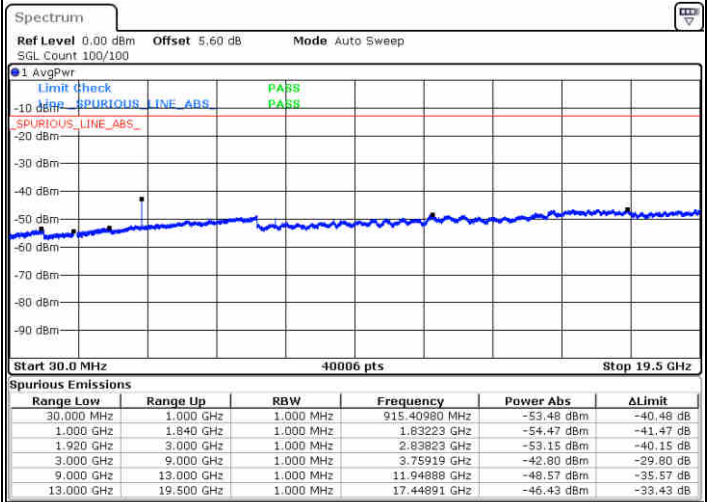
## LTE Band 2 / 1.4MHz

## Lowest Channel / 64QAM



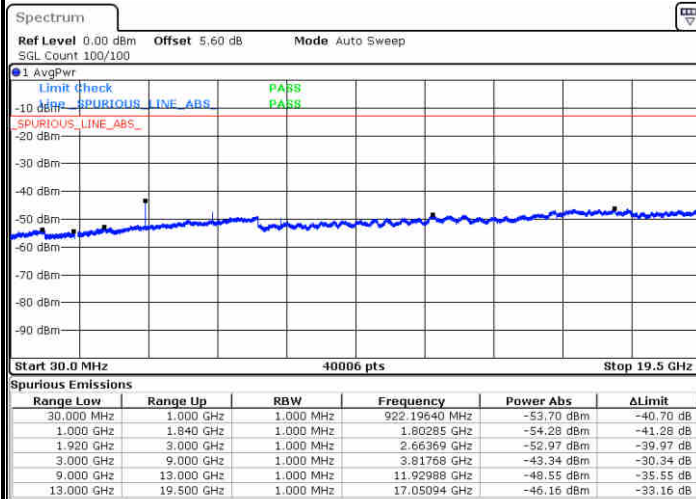
Date: 10 MAR 2020 17:22:11

## Middle Channel / 64QAM



Date: 10 MAR 2020 17:23:05

## Highest Channel / 64QAM

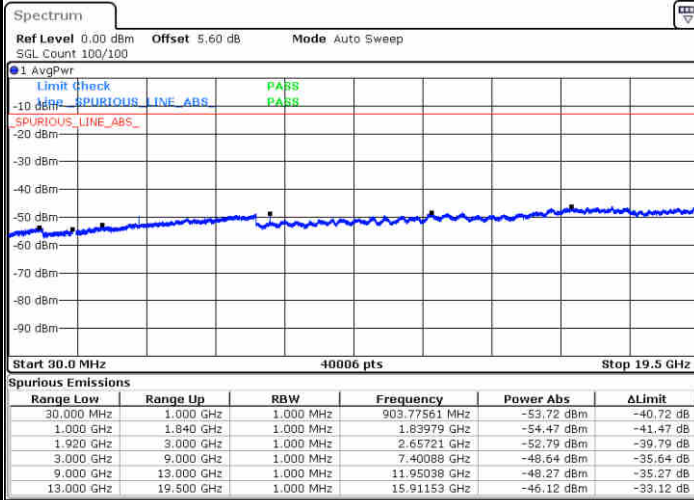


Date: 10 MAR 2020 17:24:00



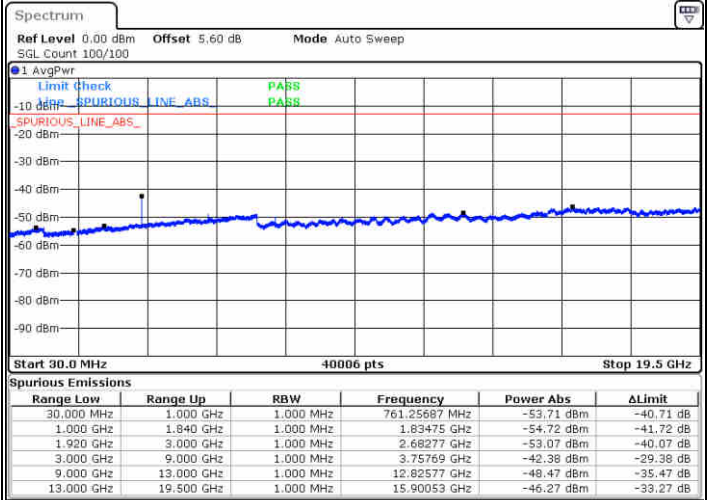
## LTE Band 2 / 3MHz

## Lowest Channel / 64QAM



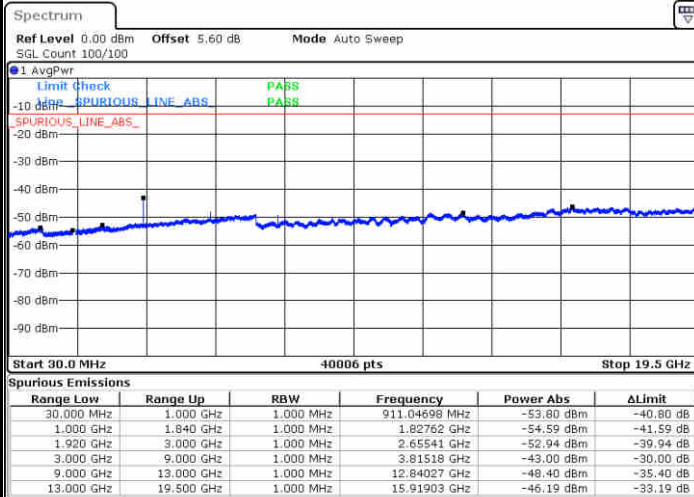
Date: 10 MAR 2020 17:24:54

## Middle Channel / 64QAM



Date: 10 MAR 2020 17:25:49

## Highest Channel / 64QAM

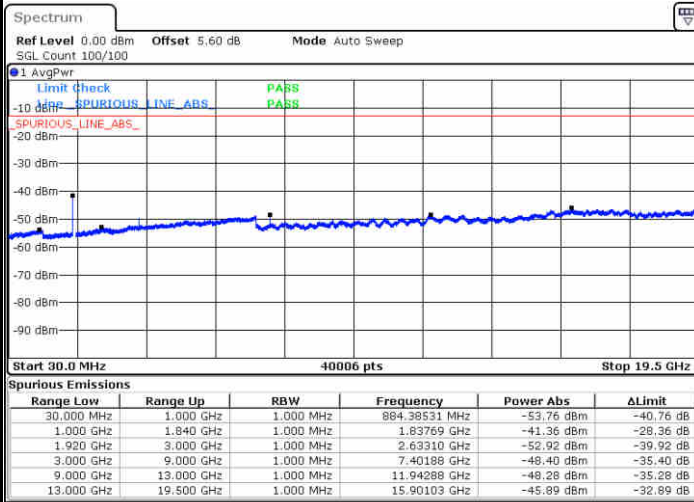


Date: 10 MAR 2020 17:26:44



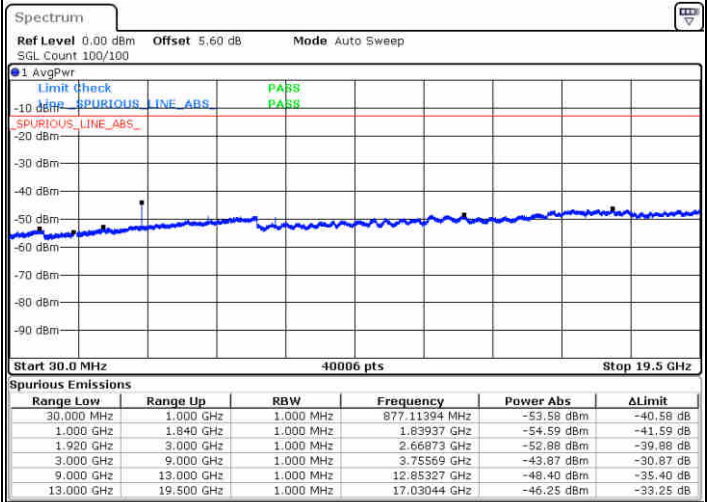
## LTE Band 2 / 5MHz

## Lowest Channel / 64QAM



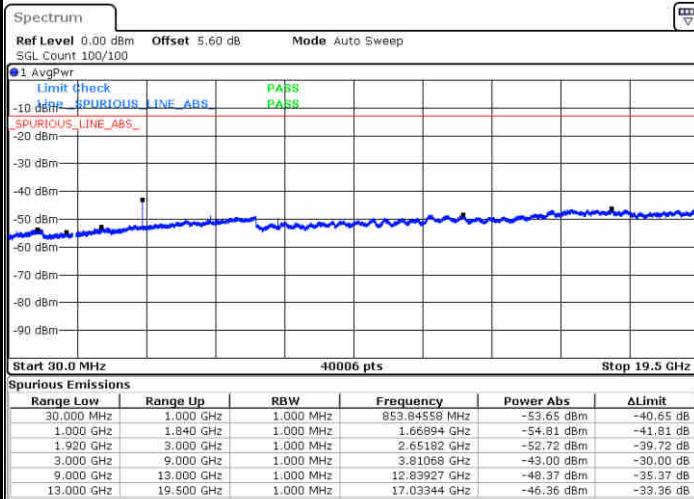
Date: 10 MAR 2020 17:27:38

## Middle Channel / 64QAM



Date: 10 MAR 2020 17:28:33

## Highest Channel / 64QAM

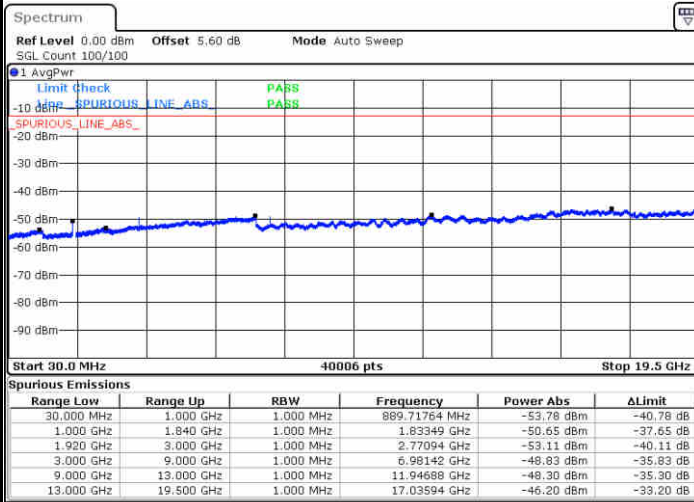


Date: 10 MAR 2020 17:29:27



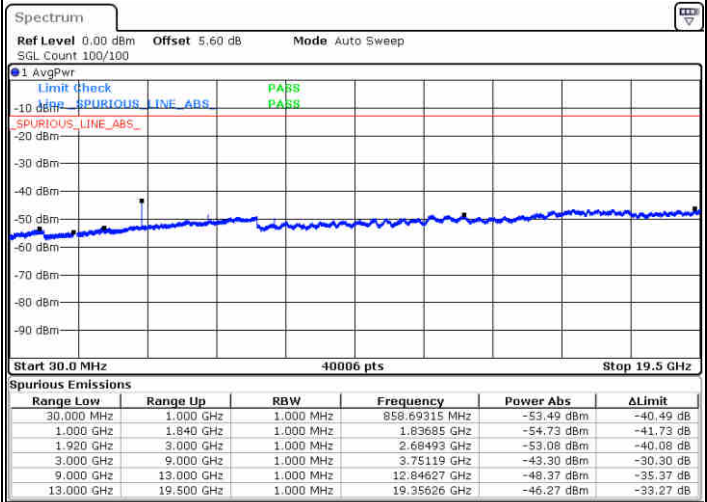
## LTE Band 2 / 10MHz

## Lowest Channel / 64QAM



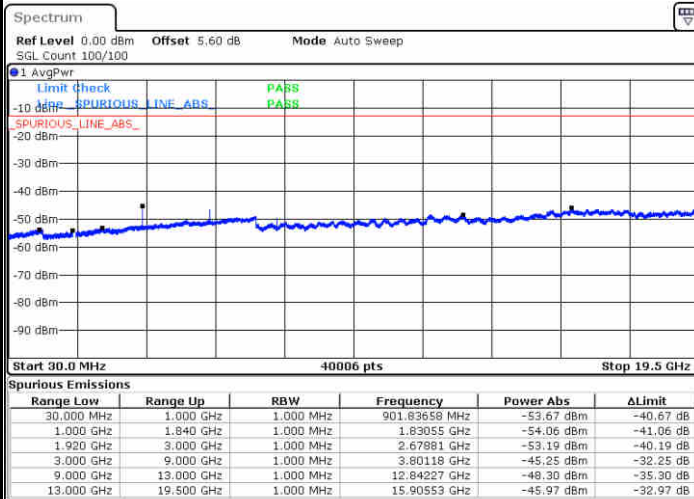
Date: 10 MAR 2020 17:30:22

## Middle Channel / 64QAM



Date: 10 MAR 2020 17:31:17

## Highest Channel / 64QAM



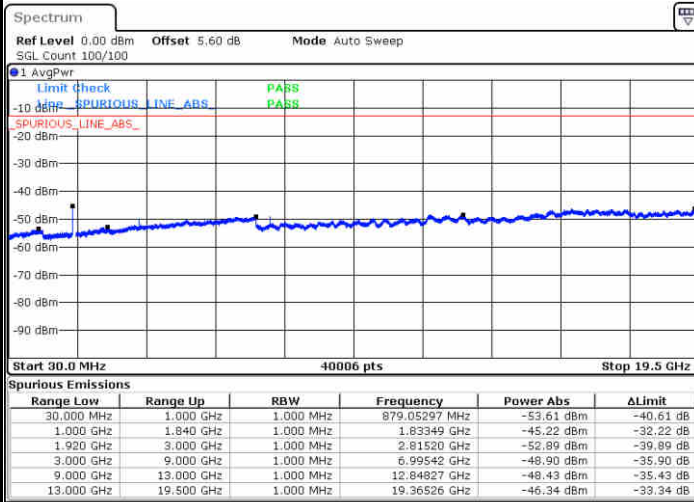
Date: 10 MAR 2020 17:32:11





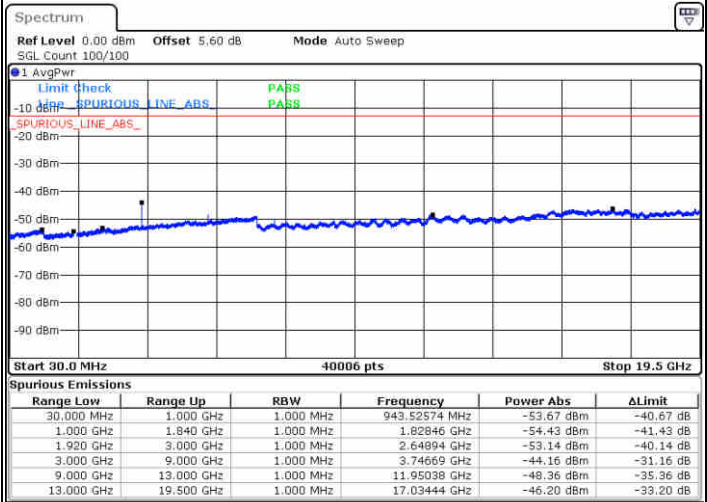
## LTE Band 2 / 15MHz

## Lowest Channel / 64QAM



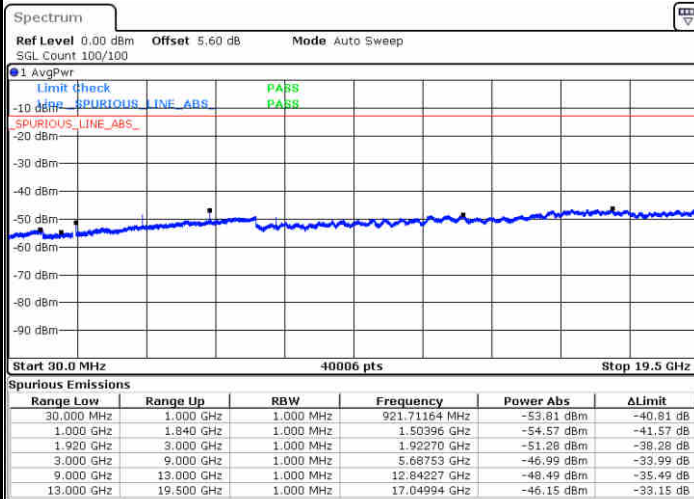
Date: 10 MAR 2020 17:33:06

## Middle Channel / 64QAM



Date: 10 MAR 2020 17:34:00

## Highest Channel / 64QAM

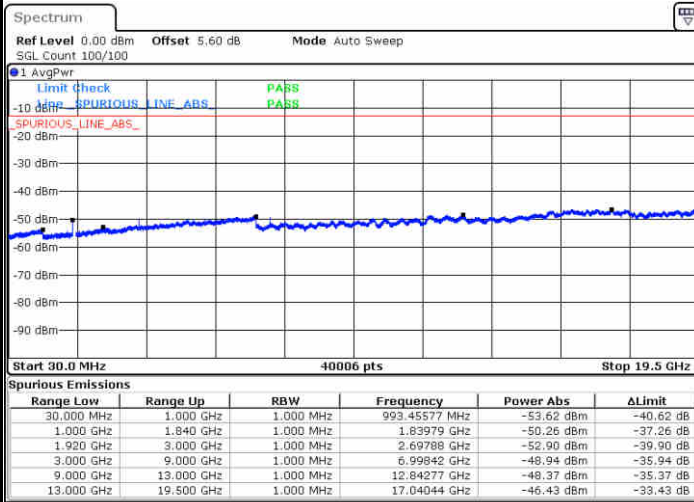


Date: 10 MAR 2020 17:34:55



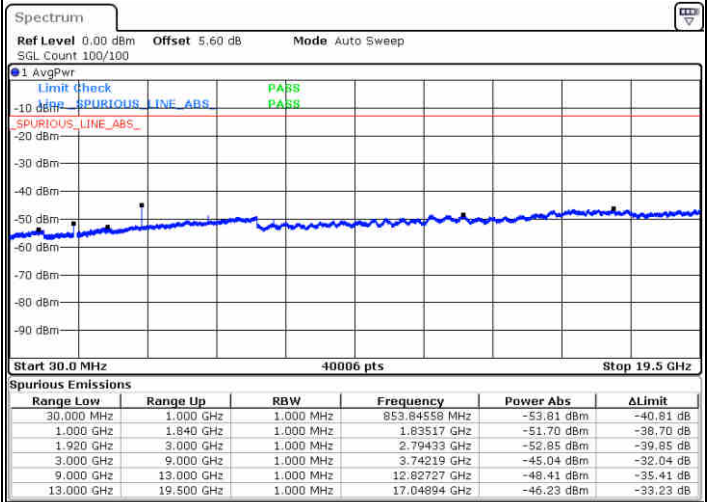
## LTE Band 2 / 20MHz

## Lowest Channel / 64QAM



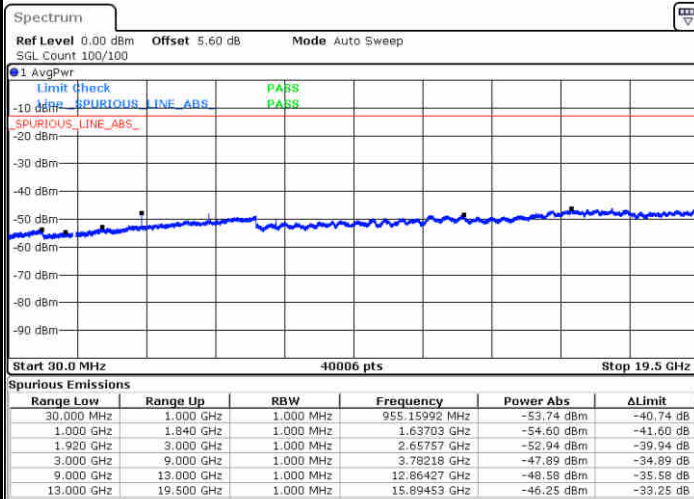
Date: 10 MAR 2020 17:35:49

## Middle Channel / 64QAM



Date: 10 MAR 2020 17:36:44

## Highest Channel / 64QAM



Date: 10 MAR 2020 17:37:39

## 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    | 0.0003                             | PASS    |
| 40               | Normal Voltage    | 0.0002                             |         |
| 30               | Normal Voltage    | 0.0015                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0005                             |         |
| 0                | Normal Voltage    | 0.0019                             |         |
| -10              | Normal Voltage    | 0.0012                             |         |
| -20              | Normal Voltage    | 0.0001                             |         |
| -30              | Normal Voltage    | 0.0016                             |         |
| 20               | Maximum Voltage   | 0.0003                             |         |
| 20               | Normal Voltage    | 0.0002                             |         |
| 20               | Battery End Point | 0.0016                             |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 5

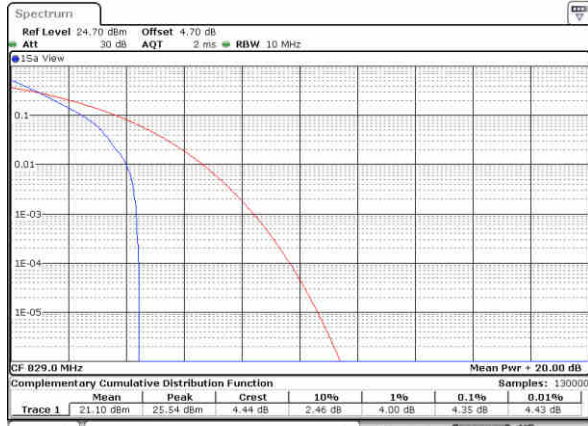
## Peak-to-Average Ratio

| Mode       | LTE Band 5 / 10MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.35               | 4.96    | 5.57  | 5.71    | PASS        |
| Middle CH  | 4.61               | 5.10    | 5.39  | 5.88    |             |
| Highest CH | 4.55               | 5.10    | 5.80  | 5.86    |             |
| Mode       | LTE Band 5 / 10MHz |         |       |         |             |
| Mod.       | 64QAM              |         |       |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB |       |         | Result      |
| Lowest CH  | 5.71               | 6.00    | -     | -       | PASS        |
| Middle CH  | 5.39               | 6.00    | -     | -       |             |
| Highest CH | 5.80               | 6.06    | -     | -       |             |



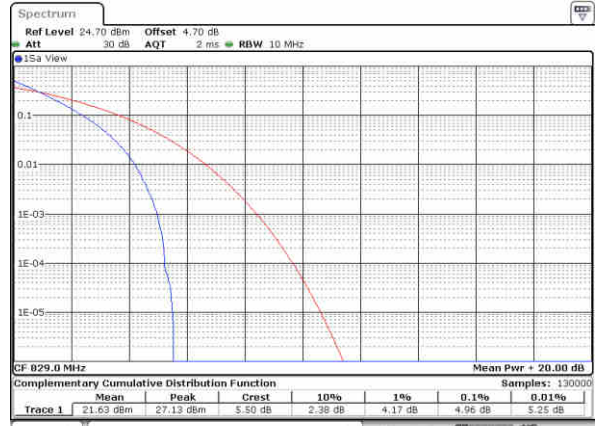
## LTE Band 5 / 10MHz / QPSK

## Lowest Channel / 1RB



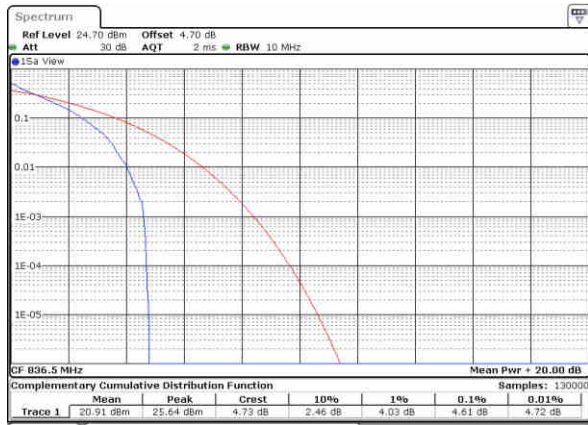
Date: 4 FEB 2020 08:45:27

## Lowest Channel / Full RB



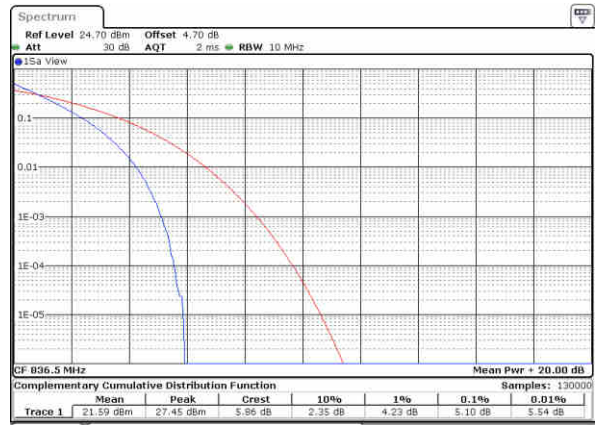
Date: 4 FEB 2020 08:45:36

## Middle Channel / 1RB



Date: 4 FEB 2020 08:45:17

## Middle Channel / Full RB



Date: 4 FEB 2020 08:45:06

## Highest Channel / 1RB



Date: 4 FEB 2020 08:44:49

## Highest Channel / Full RB



Date: 4 FEB 2020 08:44:59