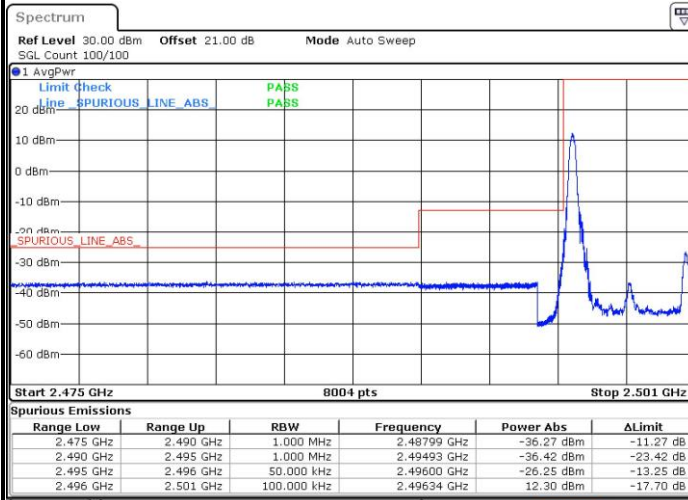




## LTE Band 41 / 5MHz / 16QAM

## Lowest Band Edge / 1RB



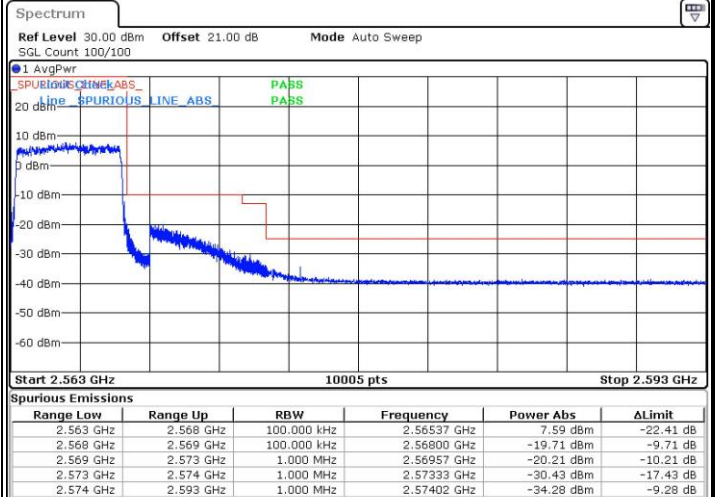
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



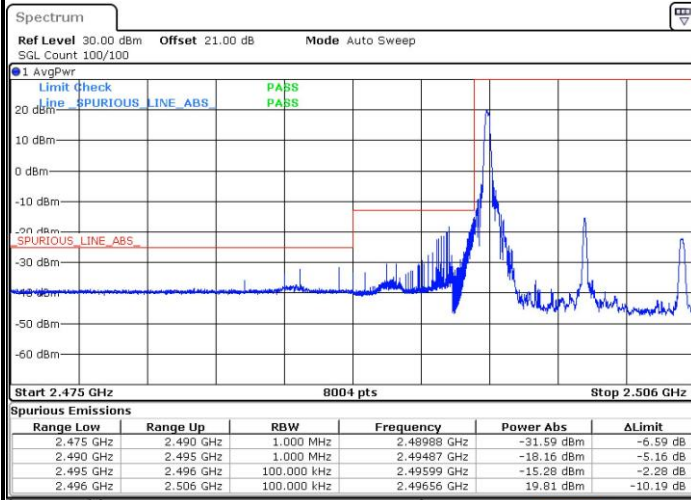
## Highest Band Edge / Full RB





## LTE Band 41 / 10MHz / QPSK

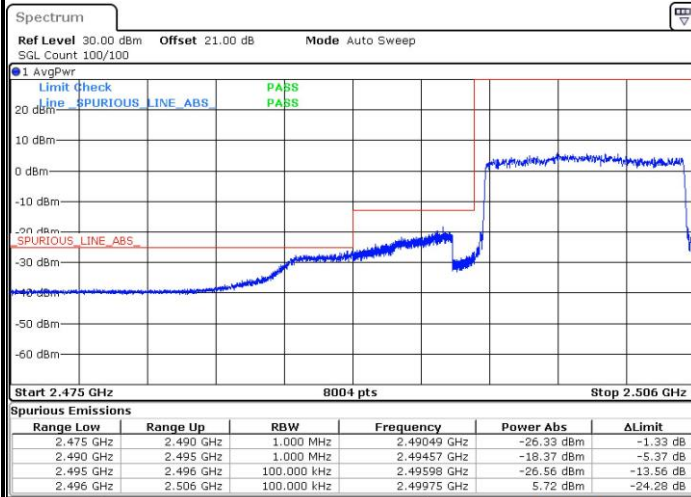
## Lowest Band Edge / 1 RB



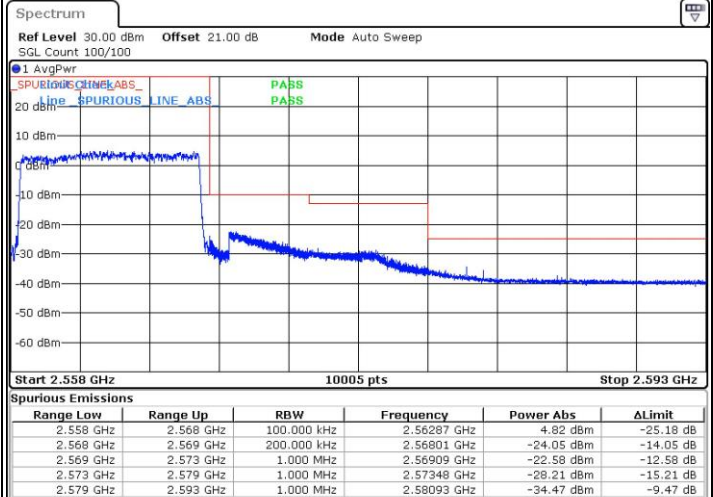
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



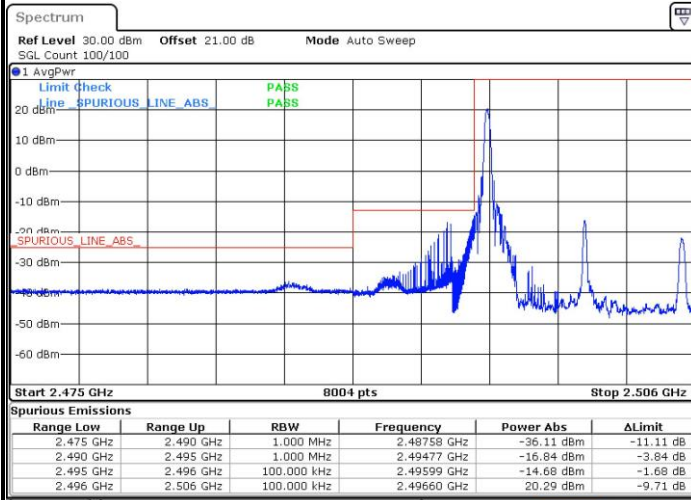
## Highest Band Edge / Full RB





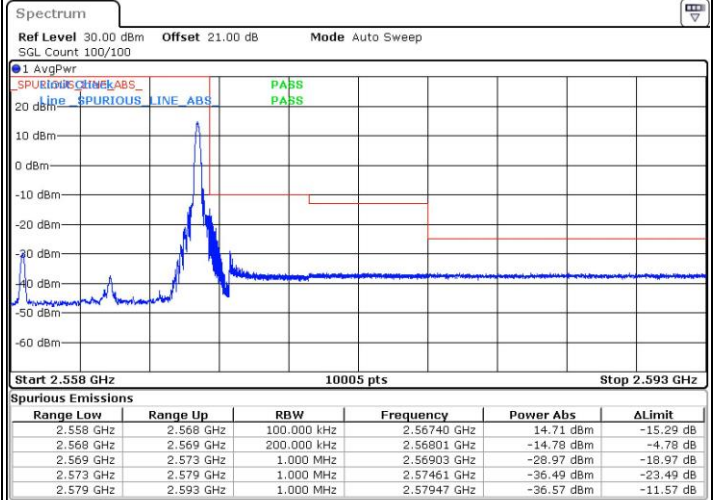
## LTE Band 41 / 10MHz / 16QAM

## Lowest Band Edge / 1 RB



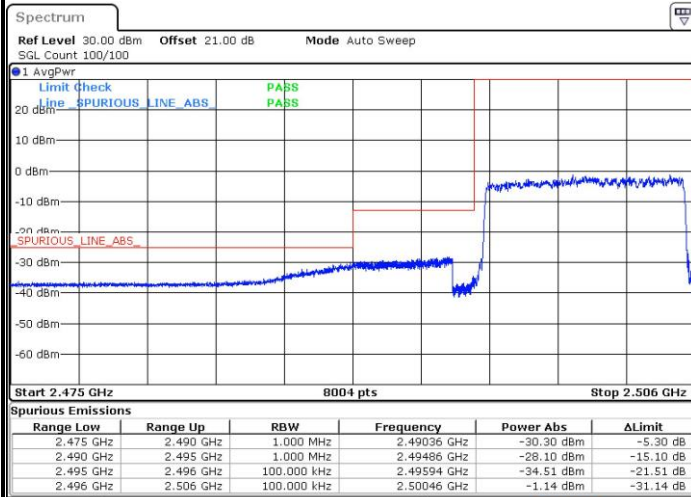
Date: 14 DEC 2018 16:54:03

## Highest Band Edge / 1 RB



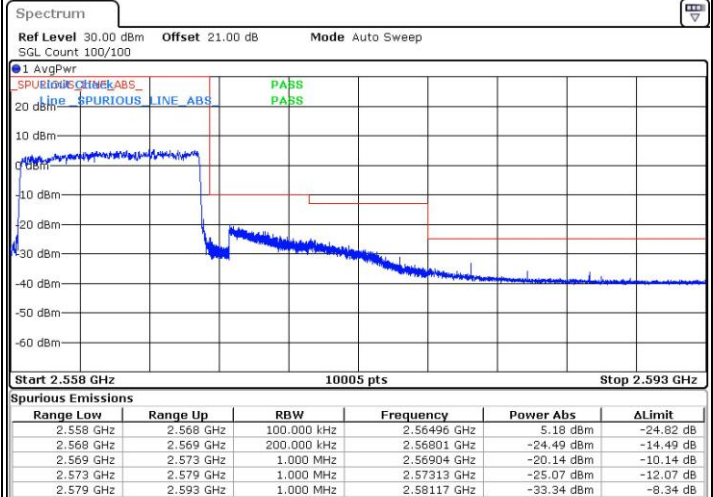
Date: 25 DEC 2018 00:15:32

## Lowest Band Edge / Full RB



Date: 25 DEC 2018 00:15:09

## Highest Band Edge / Full RB

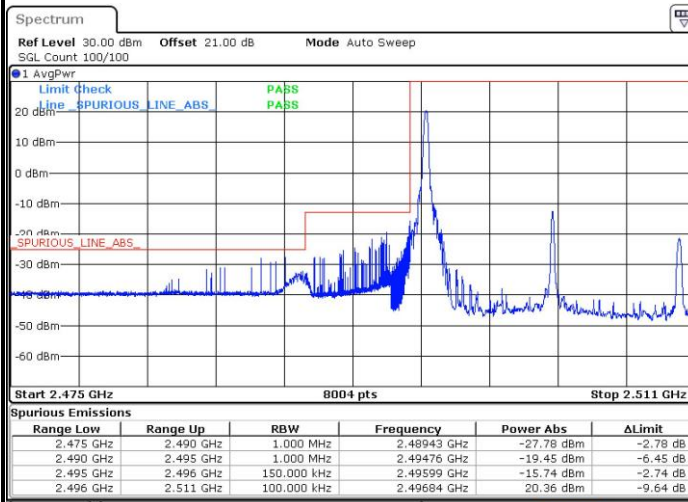


Date: 14 DEC 2018 16:59:40



## LTE Band 41 / 15MHz / QPSK

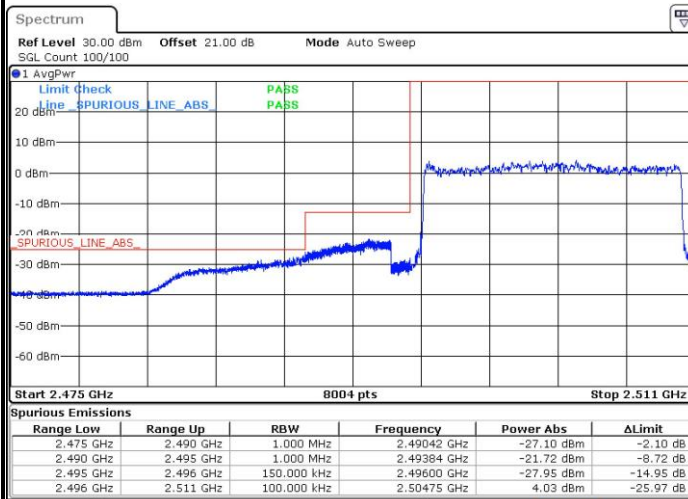
## Lowest Band Edge / 1 RB



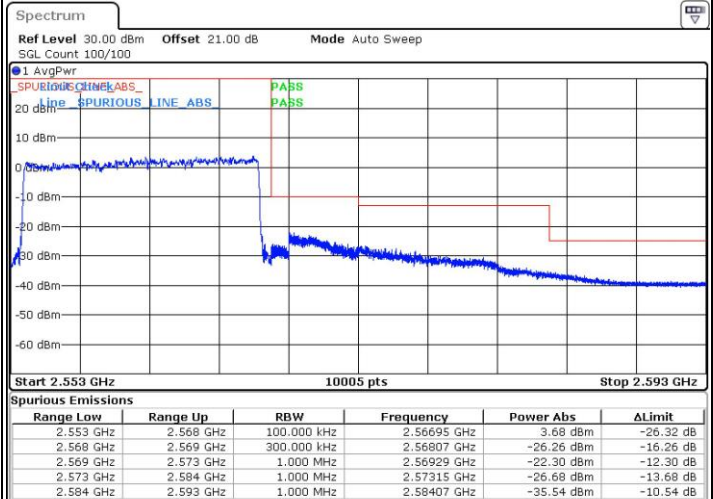
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



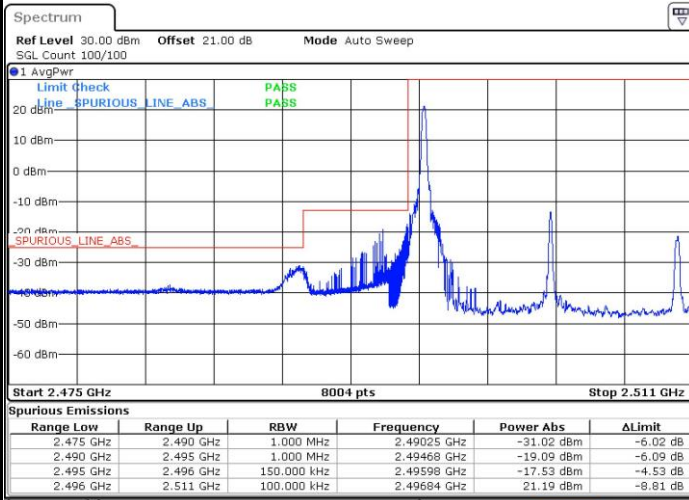
## Highest Band Edge / Full RB





## LTE Band 41 / 15MHz / 16QAM

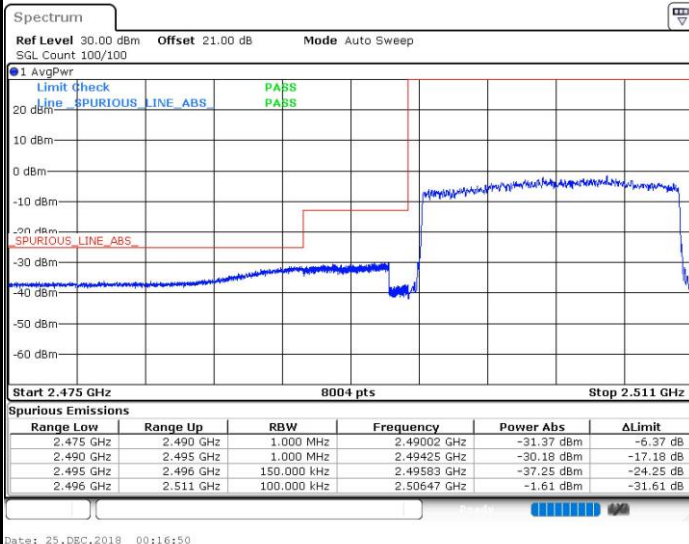
## Lowest Band Edge / 1 RB



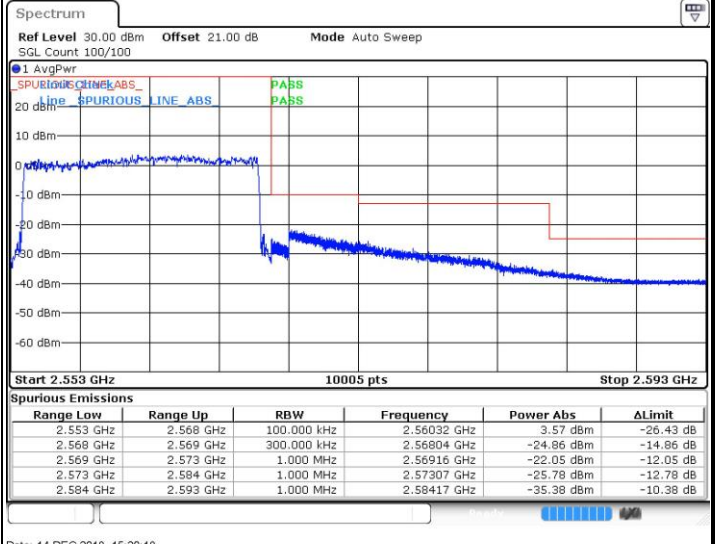
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



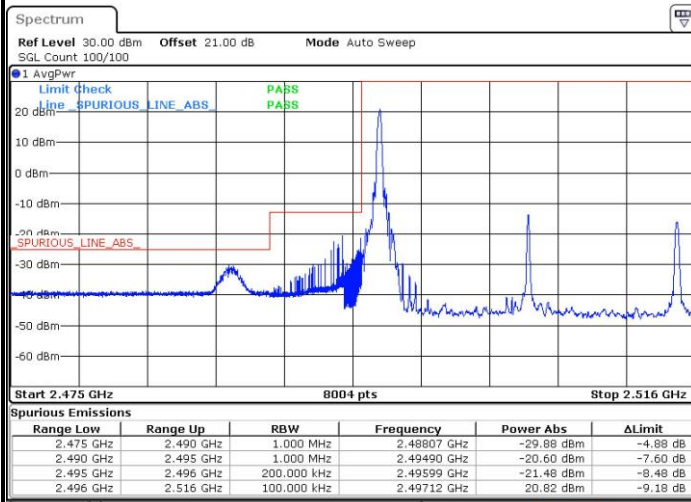
## Highest Band Edge / Full RB



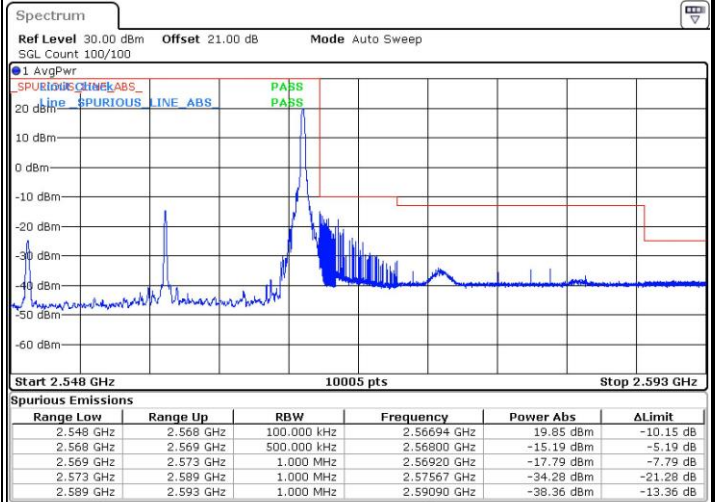


## LTE Band 41 / 20MHz / QPSK

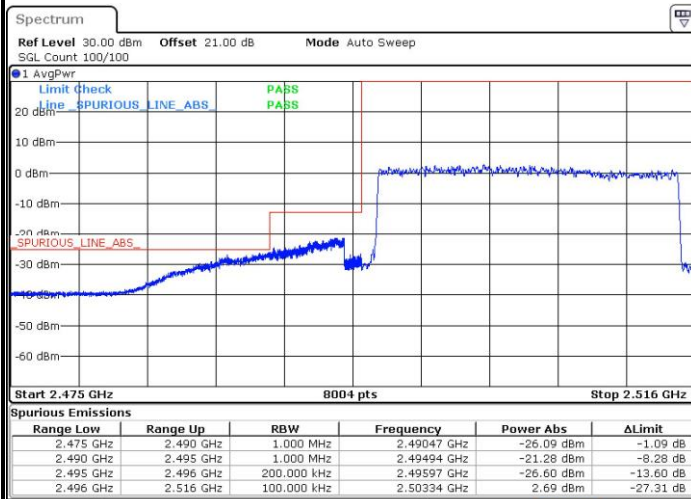
## Lowest Band Edge / 1 RB



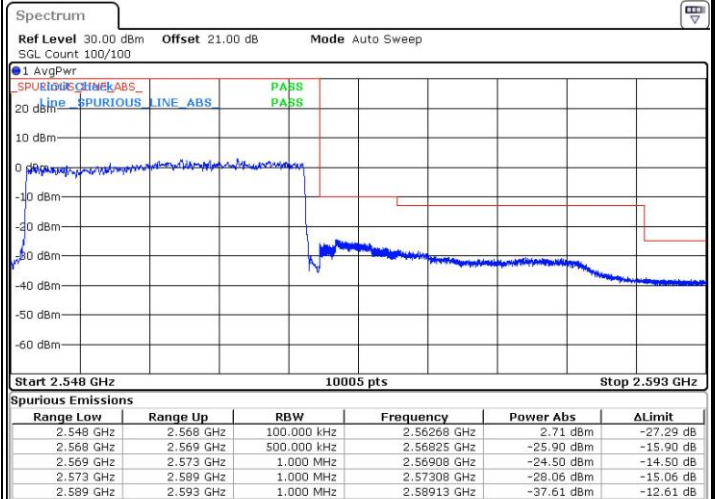
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



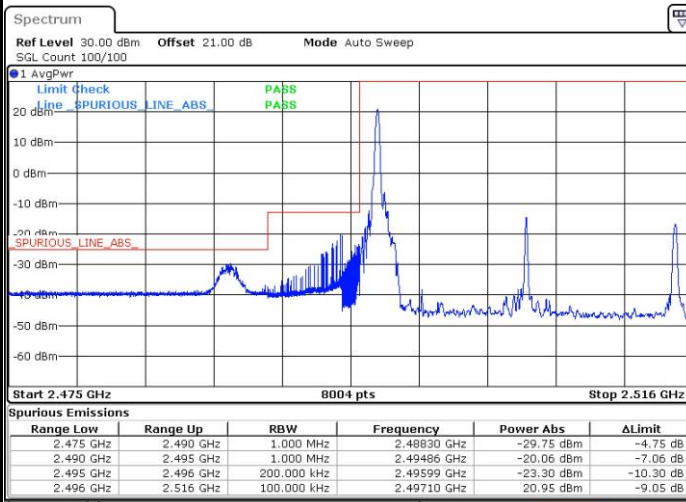
## Highest Band Edge / Full RB



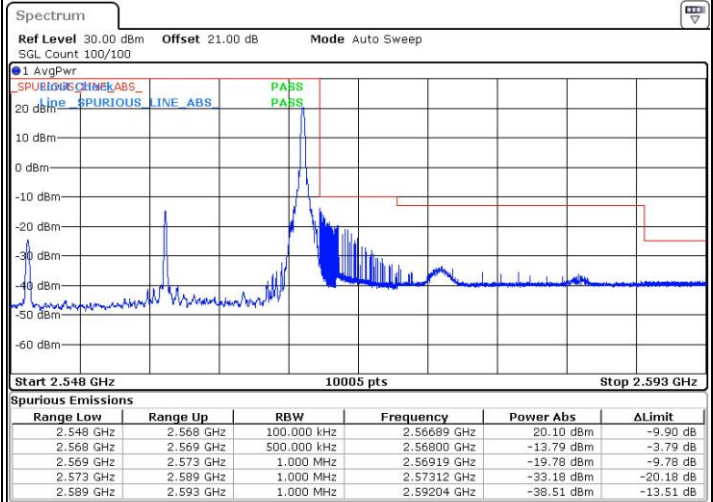


## LTE Band 41 / 20MHz / 16QAM

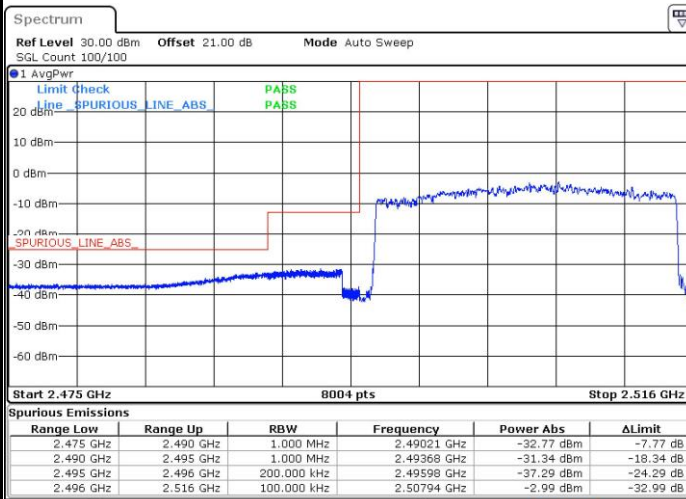
## Lowest Band Edge / 1 RB



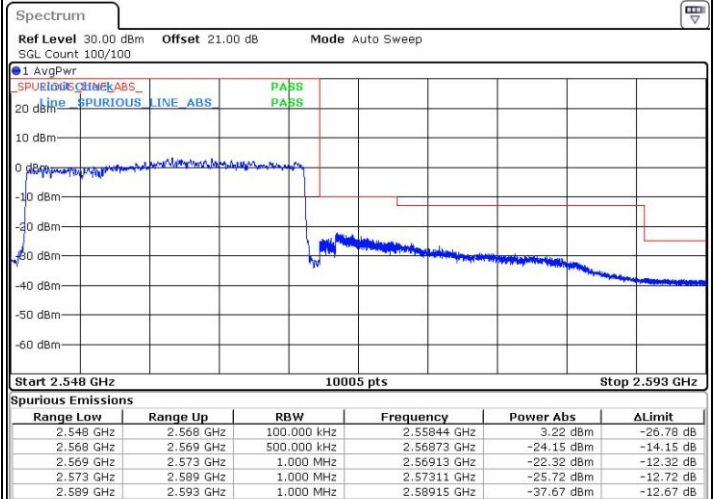
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



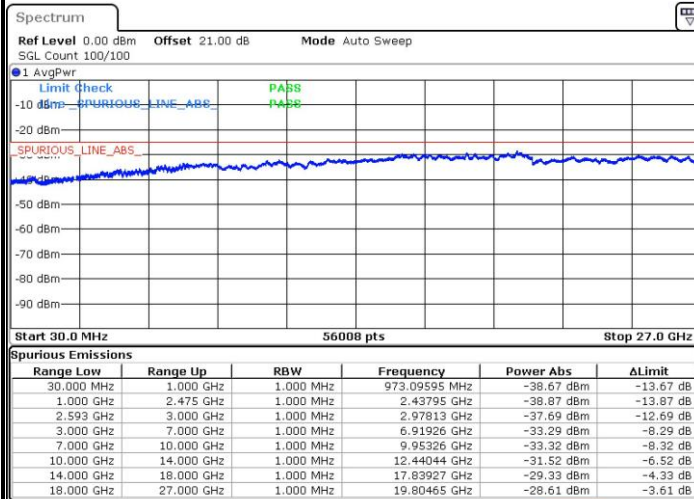


## **Conducted Spurious Emission**



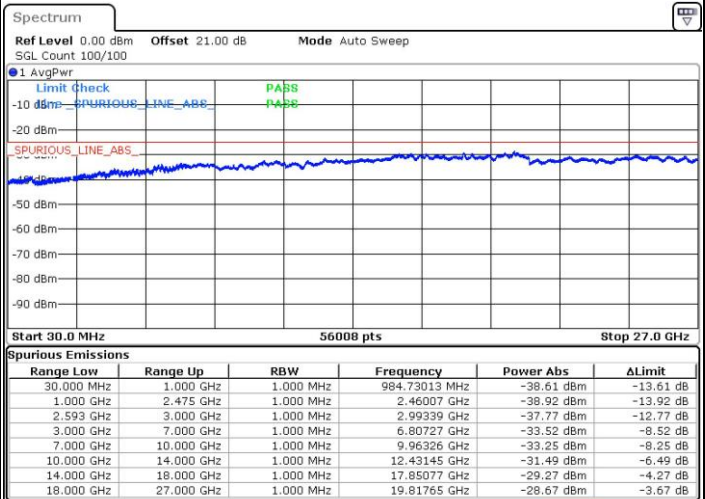
## LTE Band 41 / 5MHz

## Lowest Channel / QPSK



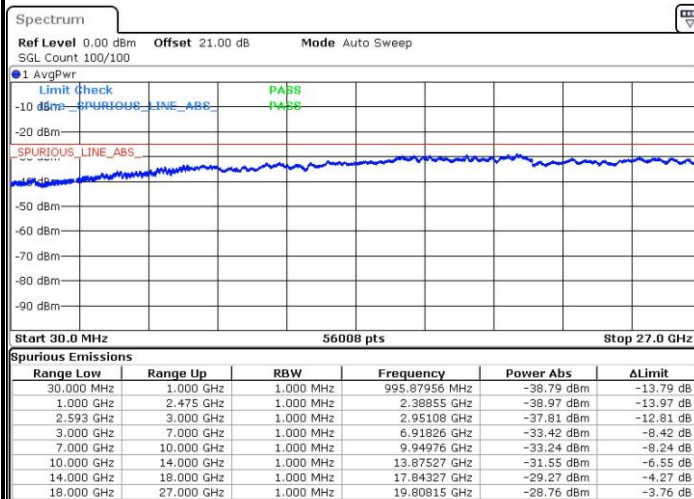
Date: 14 DEC 2018 17:41:29

## Lowest Channel / 16QAM



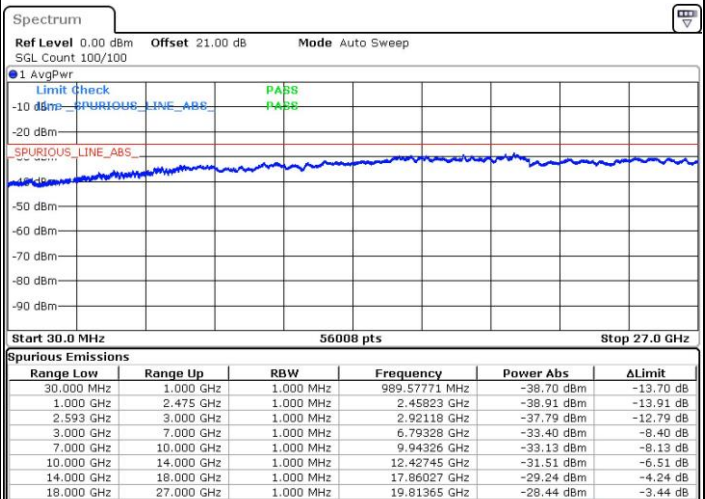
Date: 14 DEC 2018 17:42:29

## Middle Channel / QPSK



Date: 14 DEC 2018 17:43:28

## Middle Channel / 16QAM

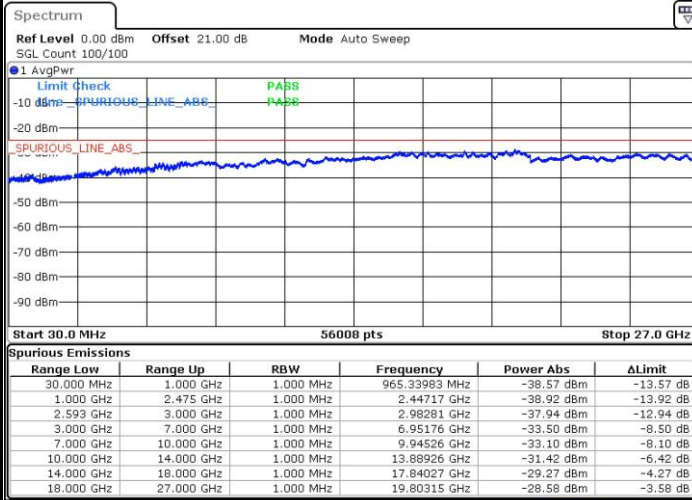


Date: 14 DEC 2018 17:44:27



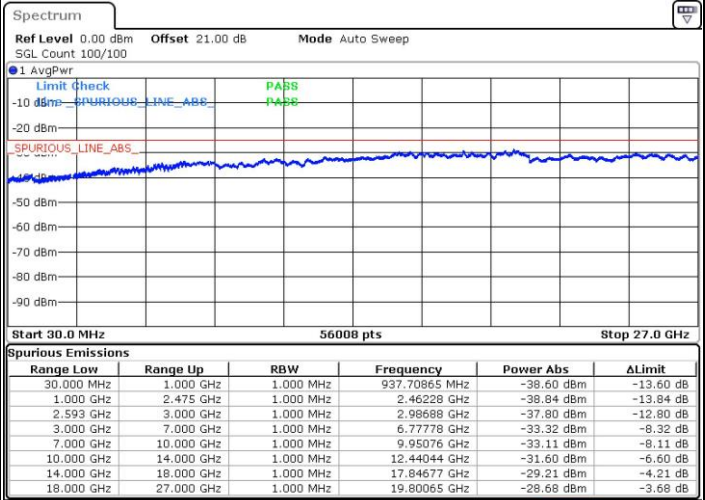
## LTE Band 41 / 5MHz

## Highest Channel / QPSK



Date: 14 DEC 2018 17:45:27

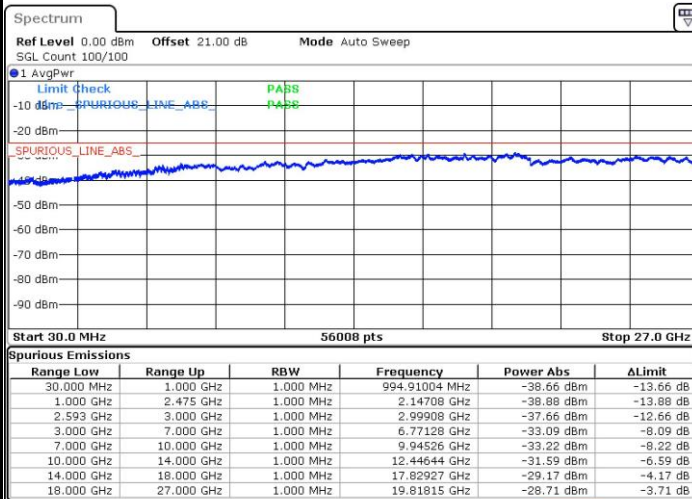
## Highest Channel / 16QAM



Date: 14 DEC 2018 17:46:29

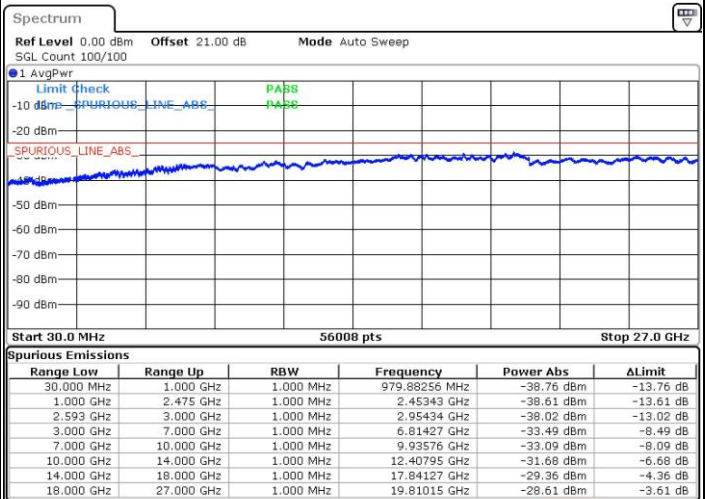
## LTE Band 41 / 10MHz

## Lowest Channel / QPSK



Date: 14 DEC 2018 17:47:29

## Lowest Channel / 16QAM

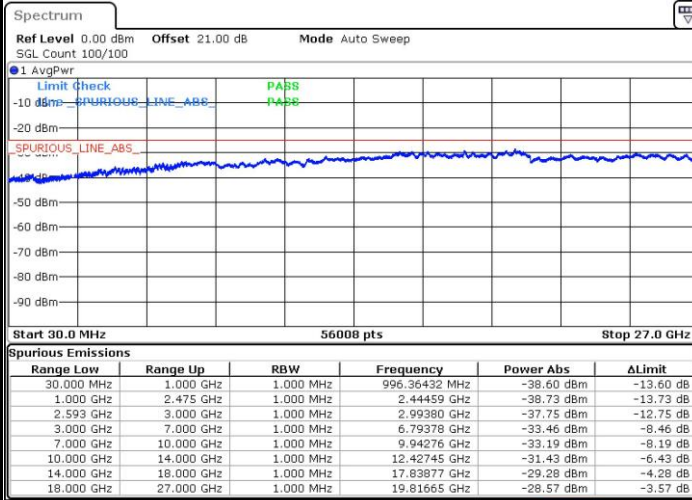


Date: 14 DEC 2018 17:48:43



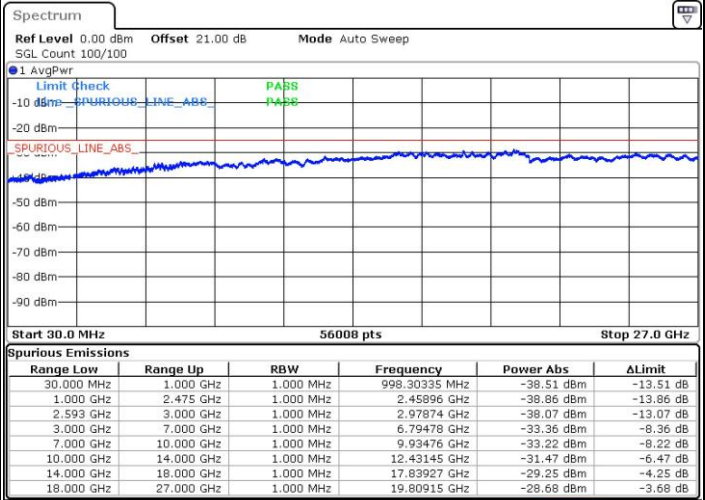
## LTE Band 41 / 10MHz

## Middle Channel / QPSK



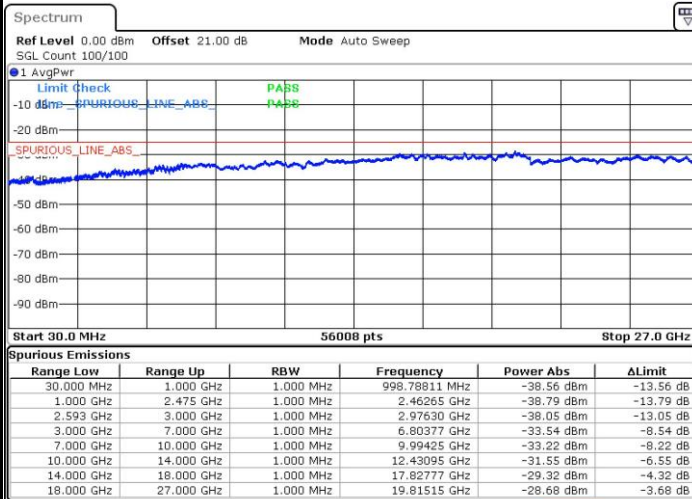
Date: 14 DEC 2018 17:49:44

## Middle Channel / 16QAM



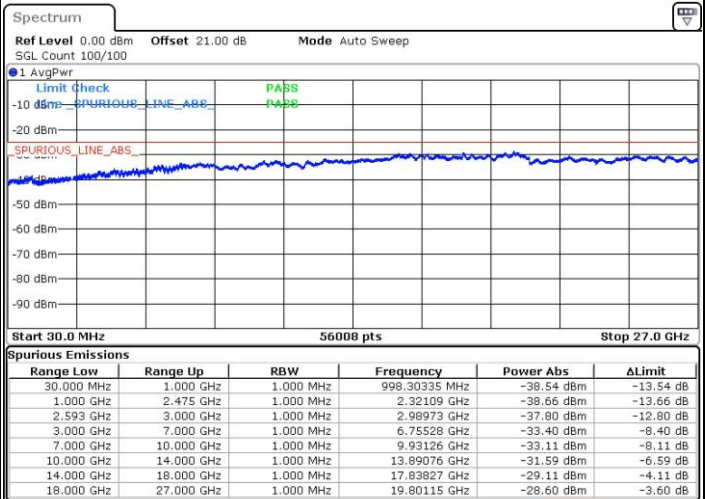
Date: 14 DEC 2018 17:50:45

## Highest Channel / QPSK



Date: 14 DEC 2018 17:51:45

## Highest Channel / 16QAM

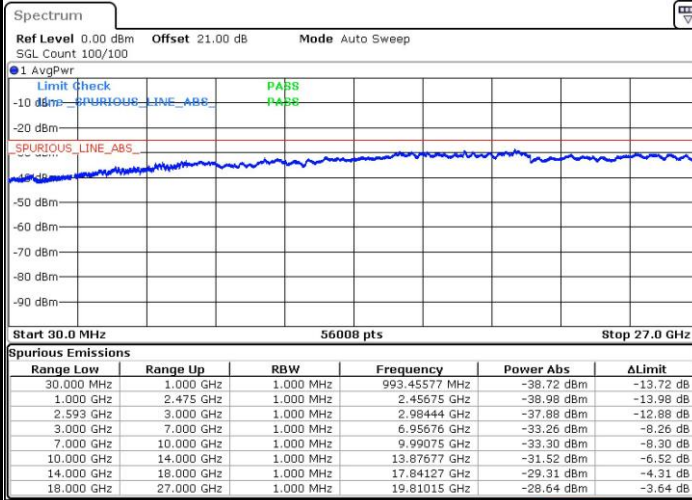


Date: 14 DEC 2018 17:52:45



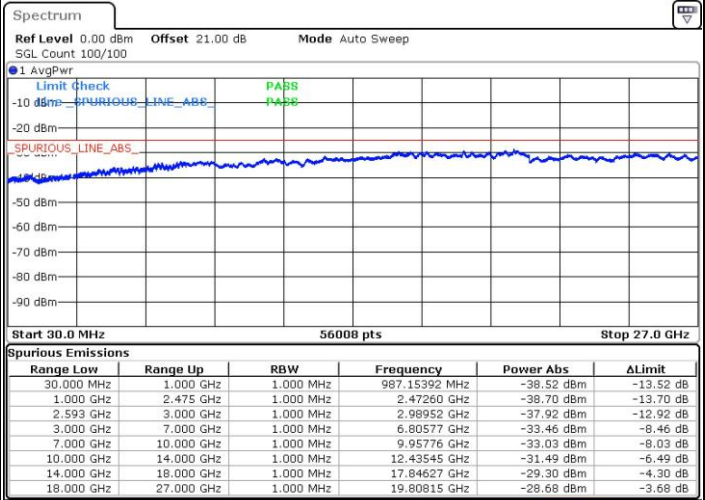
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



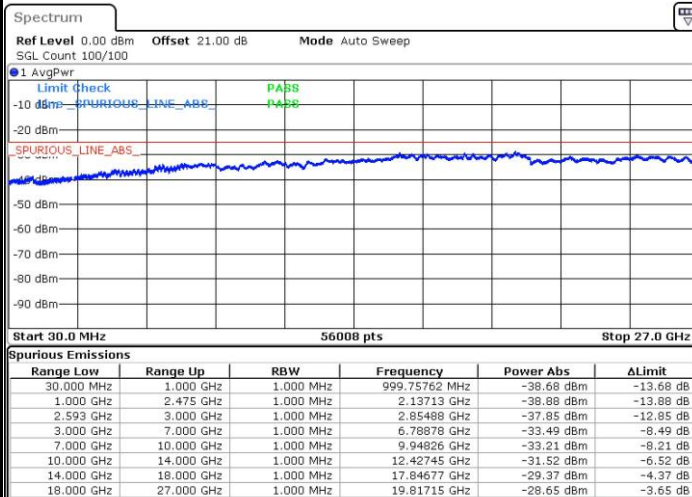
Date: 14 DEC 2018 17:53:45

## Lowest Channel / 16QAM



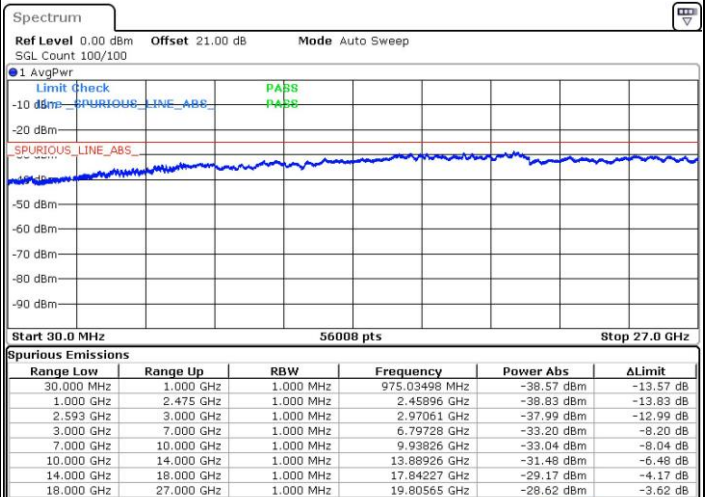
Date: 14 DEC 2018 17:54:45

## Middle Channel / QPSK



Date: 14 DEC 2018 17:55:46

## Middle Channel / 16QAM

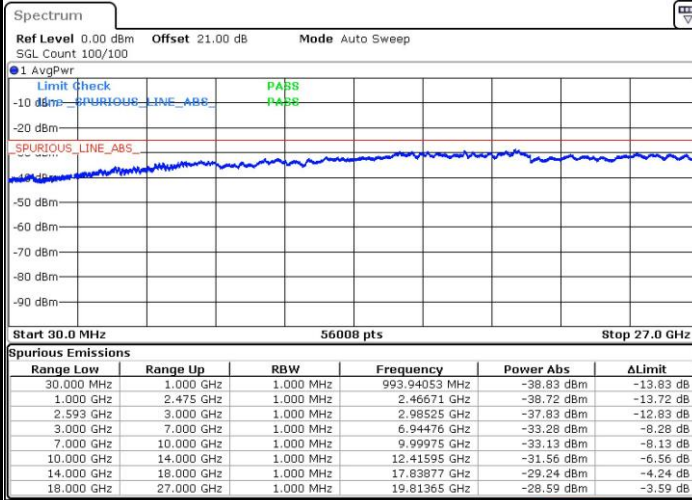


Date: 14 DEC 2018 17:56:46



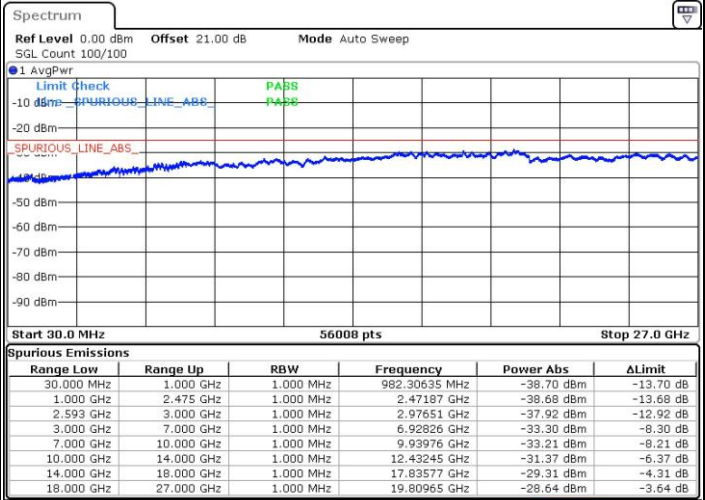
## LTE Band 41 / 15MHz

## Highest Channel / QPSK



Date: 14 DEC 2018 17:57:46

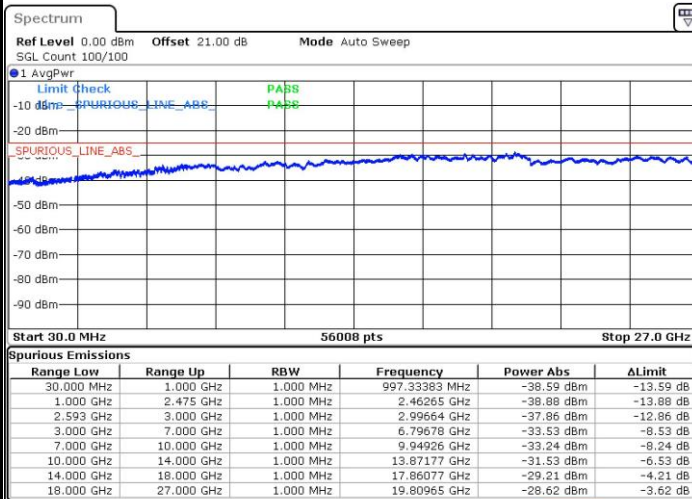
## Highest Channel / 16QAM



Date: 14 DEC 2018 17:58:46

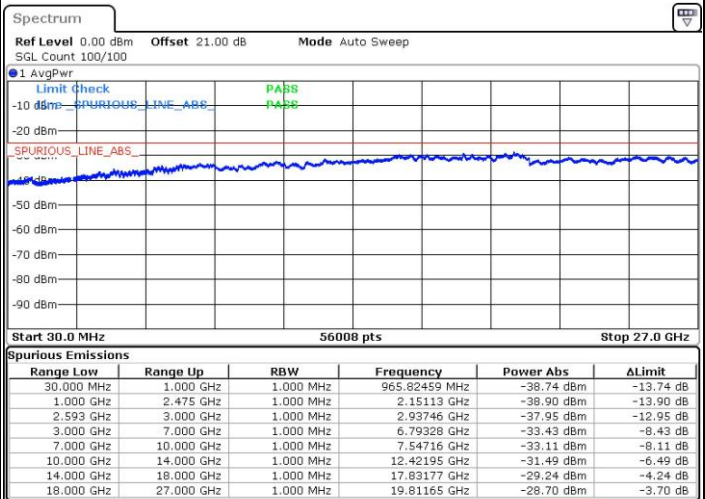
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



Date: 14 DEC 2018 17:59:46

## Lowest Channel / 16QAM

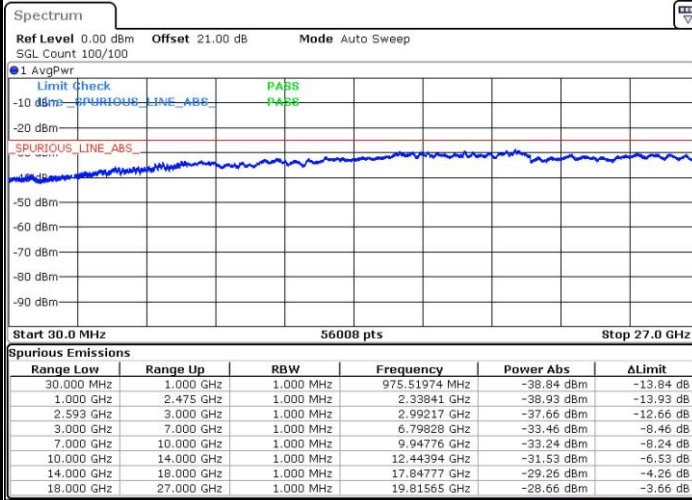


Date: 14 DEC 2018 18:00:46



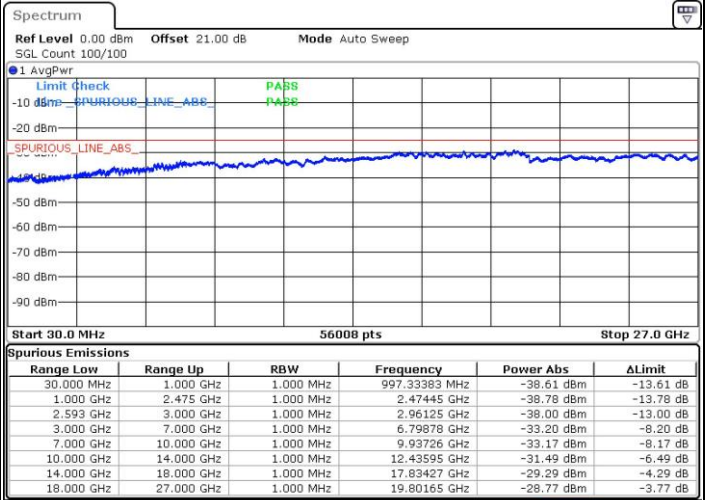
## LTE Band 41 / 20MHz

## Middle Channel / QPSK



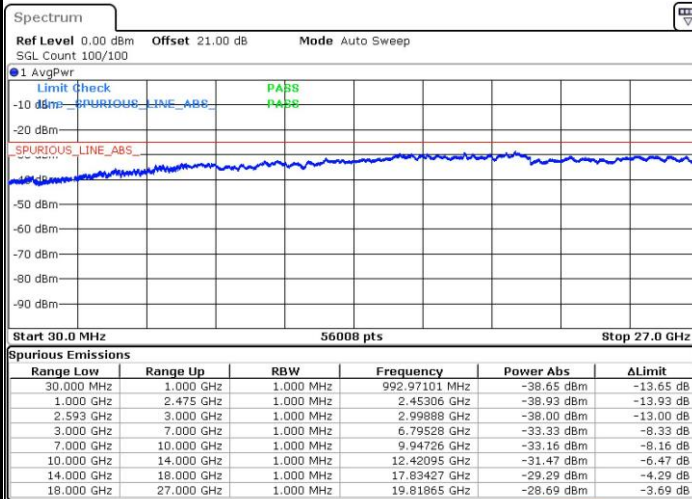
Date: 14 DEC 2018 18:01:47

## Middle Channel / 16QAM



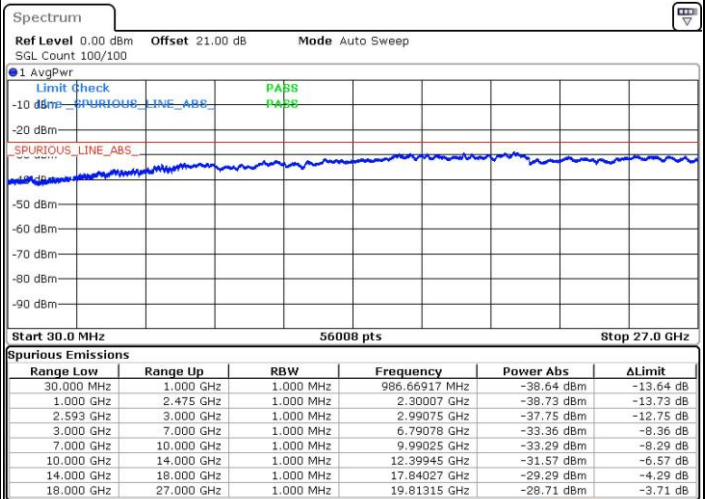
Date: 14 DEC 2018 18:02:47

## Highest Channel / QPSK



Date: 14 DEC 2018 18:03:47

## Highest Channel / 16QAM



Date: 14 DEC 2018 18:04:47

## Frequency Stability

| Test Conditions  |                 | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-----------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)  | BW 10MHz                            | Note 2. |
|                  |                 | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage  | 0.0006                              | PASS    |
| 40               | Normal Voltage  | 0.0015                              |         |
| 30               | Normal Voltage  | 0.0013                              |         |
| 20(Ref.)         | Normal Voltage  | 0.0000                              |         |
| 10               | Normal Voltage  | 0.0047                              |         |
| 0                | Normal Voltage  | 0.0054                              |         |
| -10              | Normal Voltage  | 0.0058                              |         |
| -20              | Normal Voltage  | 0.0106                              |         |
| -30              | Normal Voltage  | 0.0054                              |         |
| 20               | Maximum Voltage | 0.0030                              |         |
| 20               | Normal Voltage  | 0.0000                              |         |
| 20               | Minimum Voltage | 0.0061                              |         |

**Note:**

7. Normal Voltage =120 V. ; Minimum Voltage =100 V. ; Maximum Voltage =240 V.
8. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41

<For 4x4 Tx High Band Chain 1>

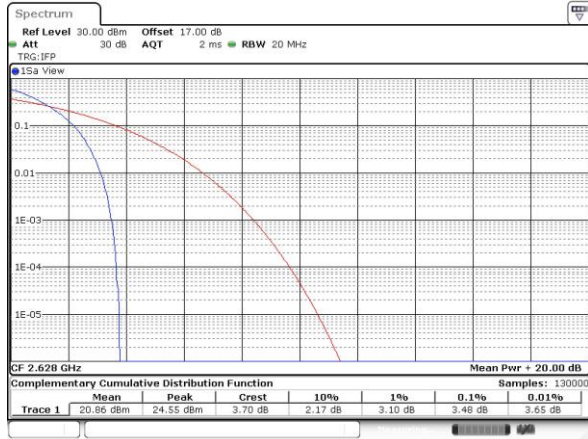
### Peak-to-Average Ratio

| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.48                | 4.32    | 3.77  | 5.07    | PASS        |
| Middle CH  | 4.64                | 4.52    | 4.55  | 5.07    |             |
| Highest CH | 4.55                | 4.17    | 4.61  | 5.13    |             |

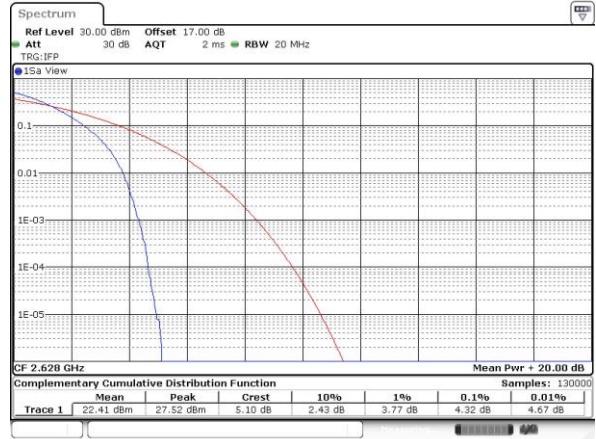


## LTE Band 41 / 20MHz / QPSK

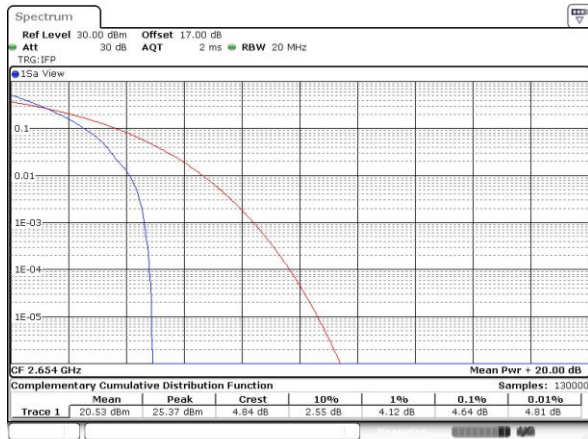
## Lowest Channel / 1RB



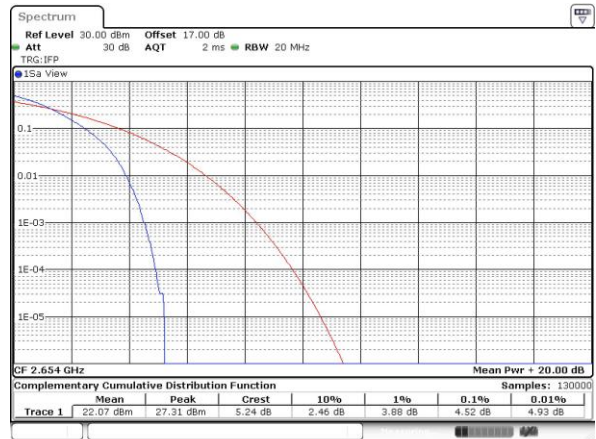
## Lowest Channel / Full RB



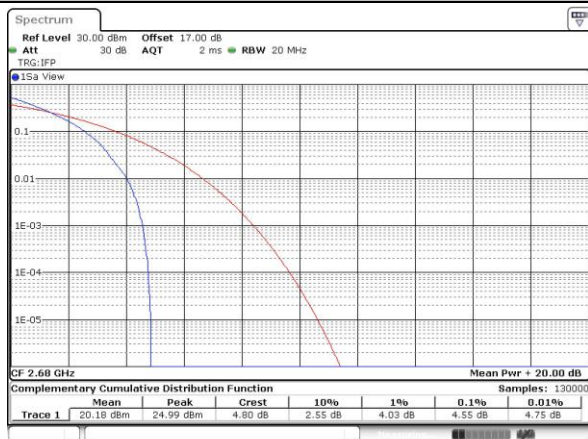
## Middle Channel / 1RB



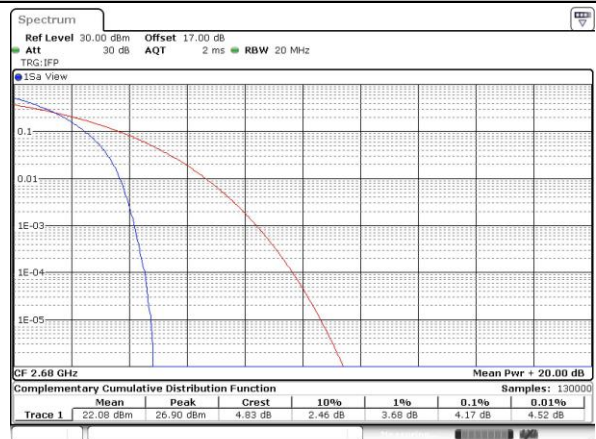
## Middle Channel / Full RB



## Highest Channel / 1RB



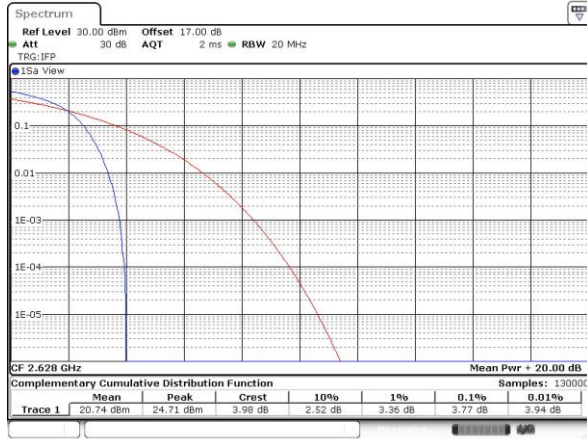
## Highest Channel / Full RB



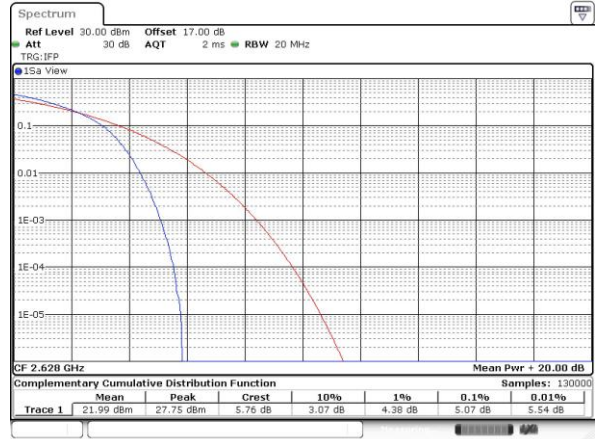


## LTE Band 41 / 20MHz / 16QAM

## Lowest Channel / 1RB



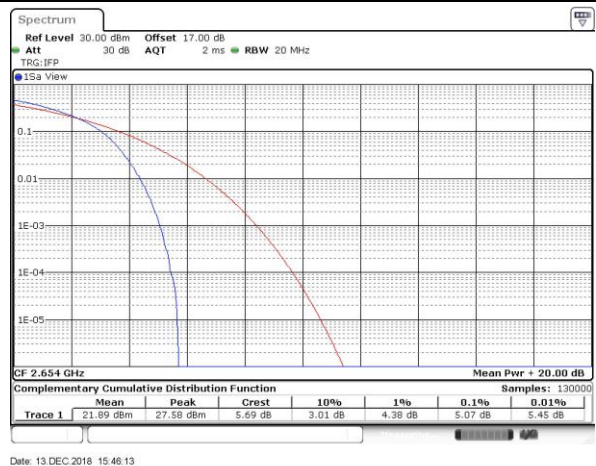
## Lowest Channel / Full RB



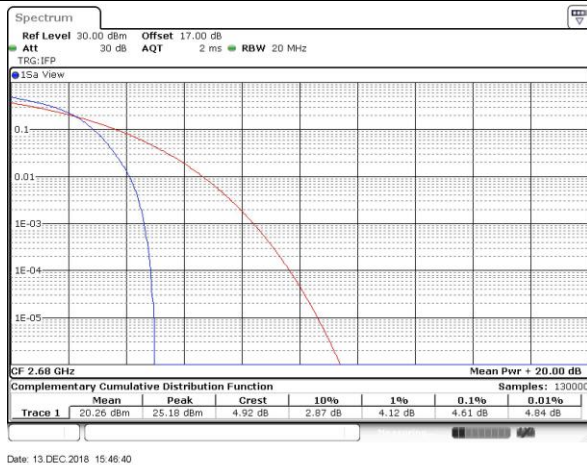
## Middle Channel / 1RB



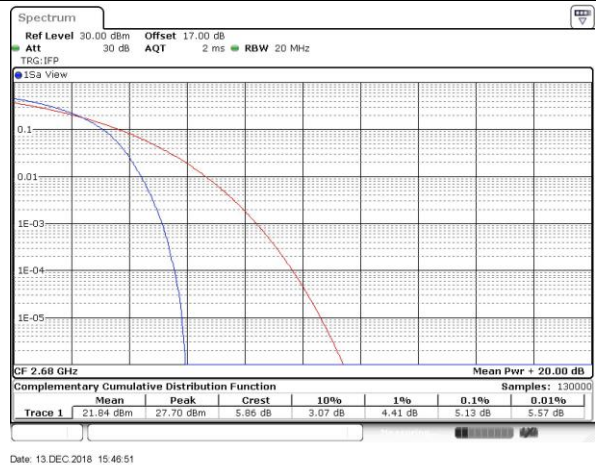
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB





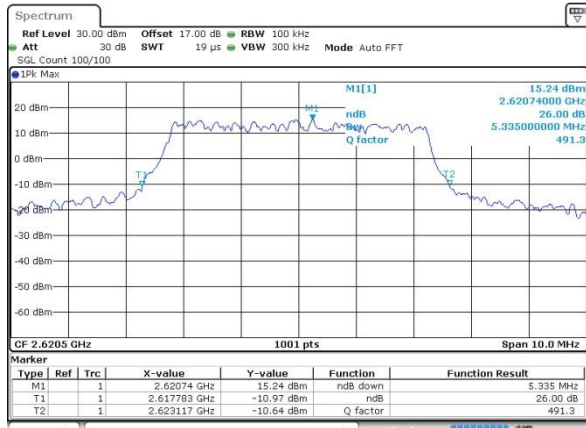
**26dB Bandwidth**

| Mode       | LTE Band 41 : 26dB BW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|----------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                          | -     | -    | -     | 5.34 | 4.74  | 9.81  | 9.99  | 14.57 | 14.12 | 20.14 | 20.42 |
| Middle CH  | -                          | -     | -    | -     | 5.12 | 5.28  | 10.47 | 9.67  | 14.54 | 14.33 | 20.14 | 21.38 |
| Highest CH | -                          | -     | -    | -     | 5.01 | 5.17  | 9.65  | 9.69  | 14.36 | 14.48 | 20.10 | 19.98 |



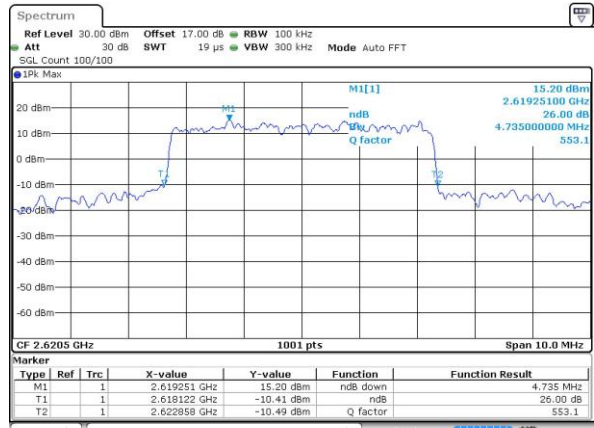
## LTE Band 41

## Lowest Channel / 5MHz / QPSK



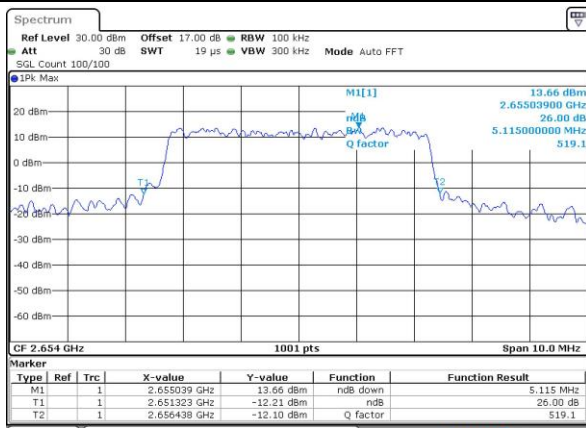
Date: 13 DEC 2018 15:39:31

## Lowest Channel / 5MHz / 16QAM



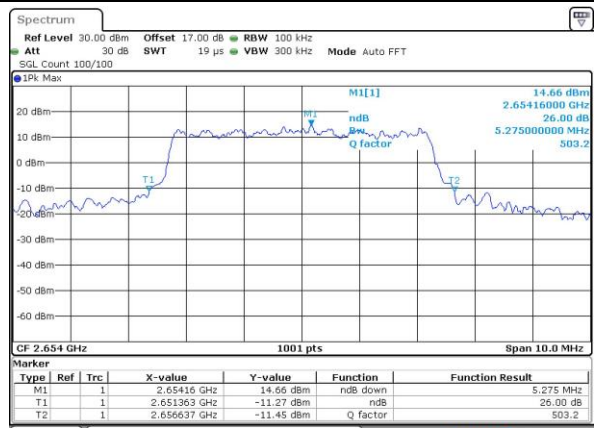
Date: 13 DEC 2018 14:10:17

## Middle Channel / 5MHz / QPSK



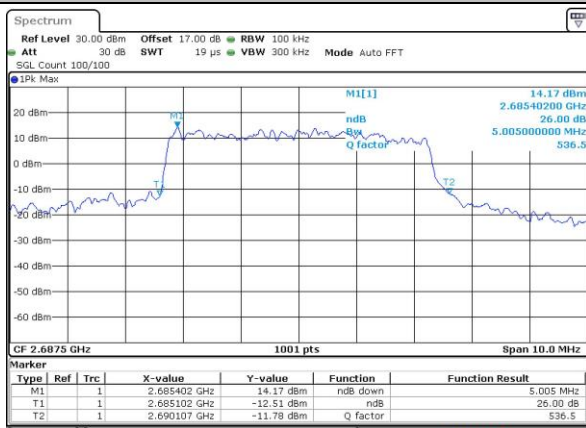
Date: 13 DEC 2018 14:10:55

## Middle Channel / 5MHz / 16QAM



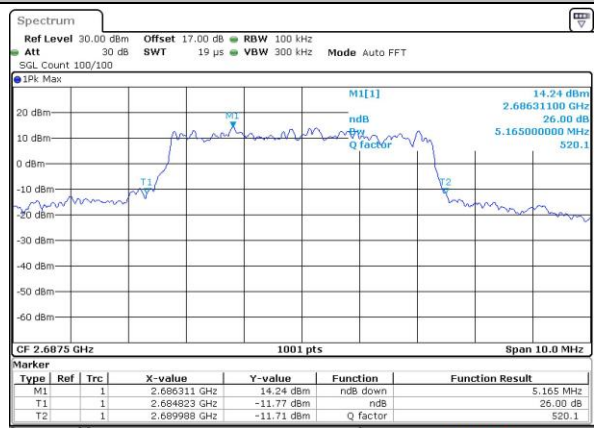
Date: 13 DEC 2018 14:11:07

## Highest Channel / 5MHz / QPSK



Date: 13 DEC 2018 14:11:45

## Highest Channel / 5MHz / 16QAM



Date: 13 DEC 2018 14:11:57