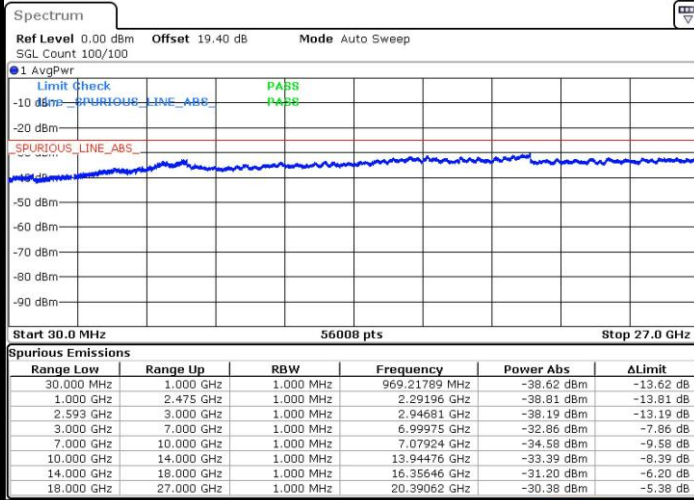




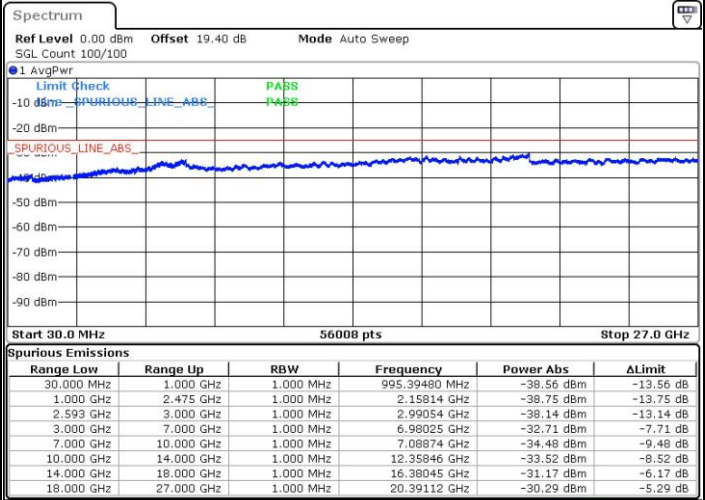
## LTE Band 41 / 10MHz

## Middle Channel / QPSK



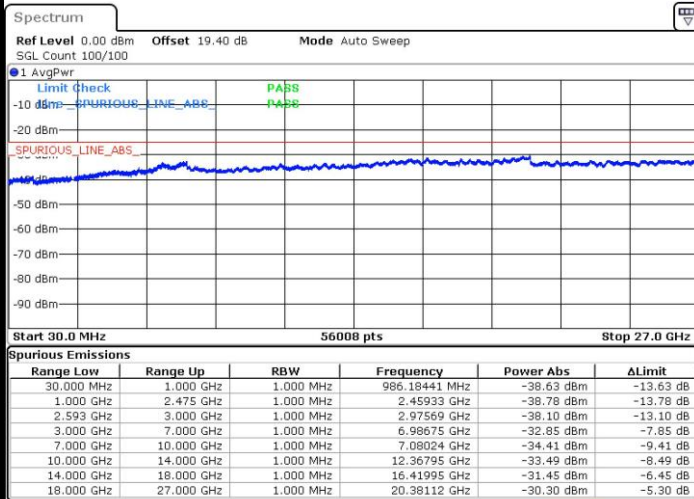
Date: 28.MAY.2018 21:00:27

## Middle Channel / 16QAM



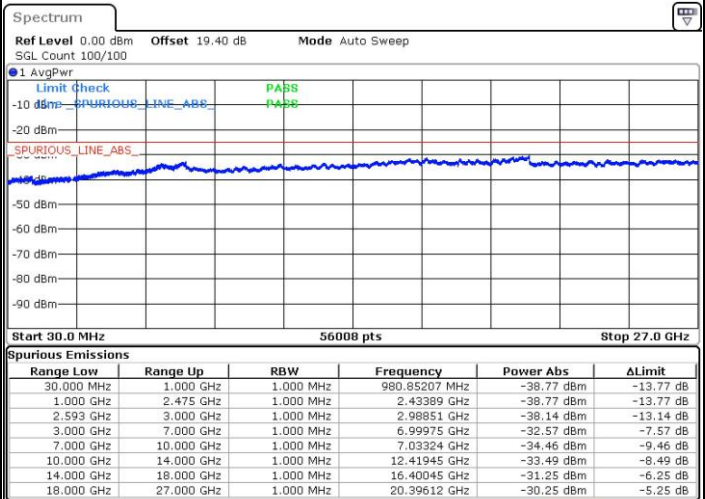
Date: 28.MAY.2018 21:01:13

## Highest Channel / QPSK



Date: 28.MAY.2018 21:09:06

## Highest Channel / 16QAM

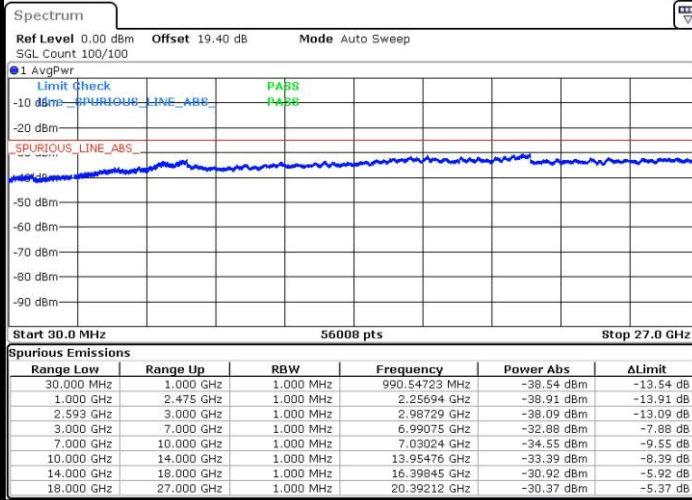


Date: 28.MAY.2018 21:09:53



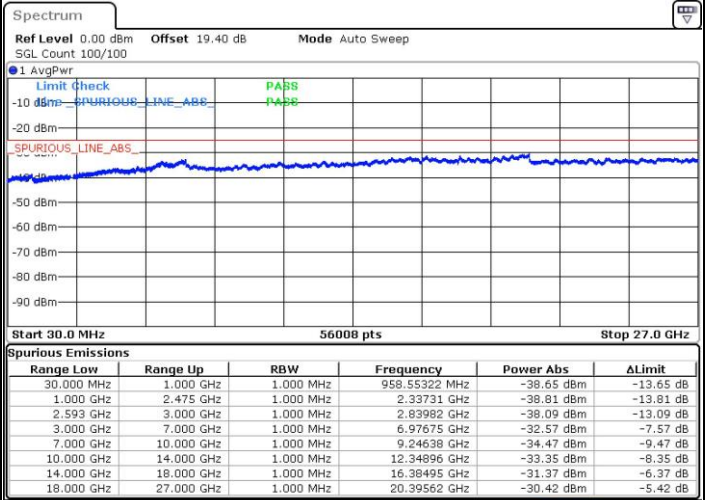
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



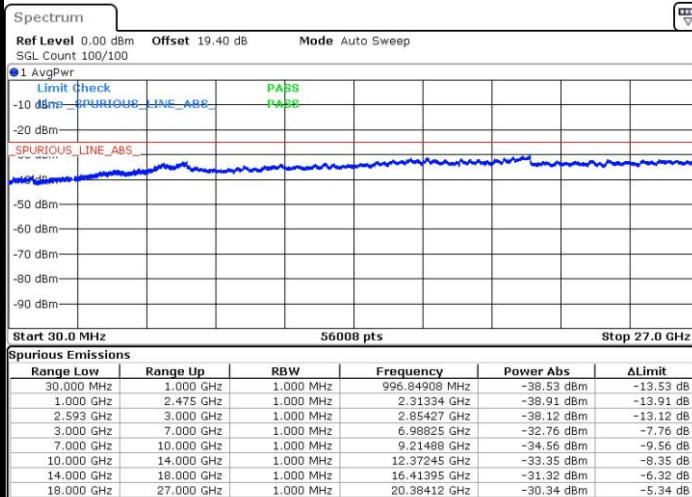
Date: 28.MAY.2018 21:29:03

## Lowest Channel / 16QAM



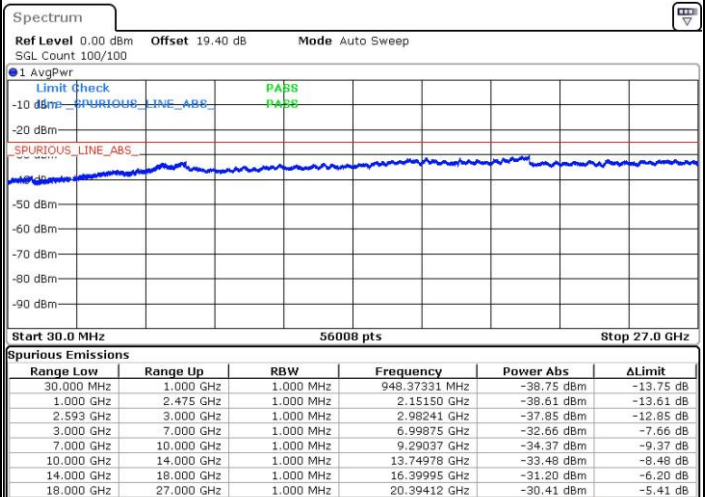
Date: 28.MAY.2018 21:28:03

## Middle Channel / QPSK



Date: 28.MAY.2018 21:29:52

## Middle Channel / 16QAM

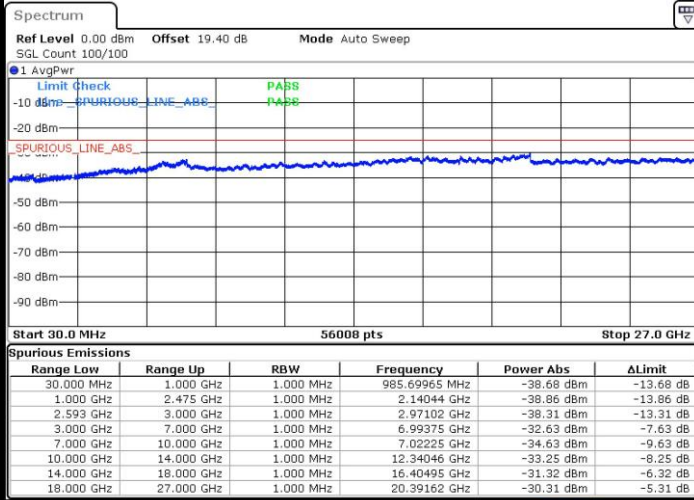


Date: 28.MAY.2018 21:30:36



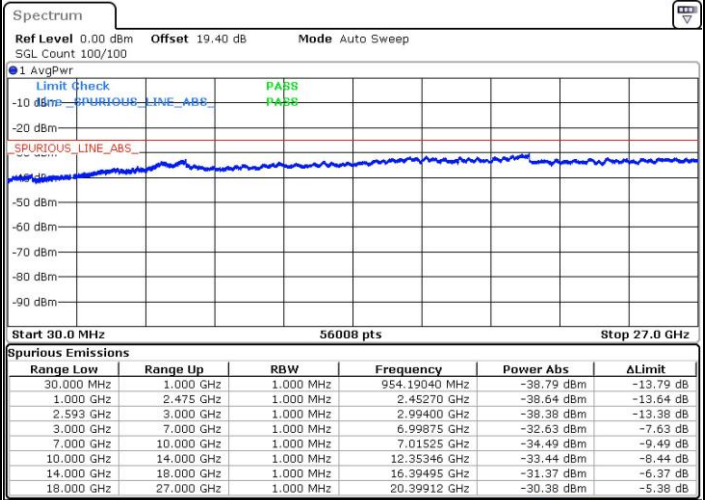
## LTE Band 41 / 15MHz

## Highest Channel / QPSK



Date: 28.MAY.2018 21:34:49

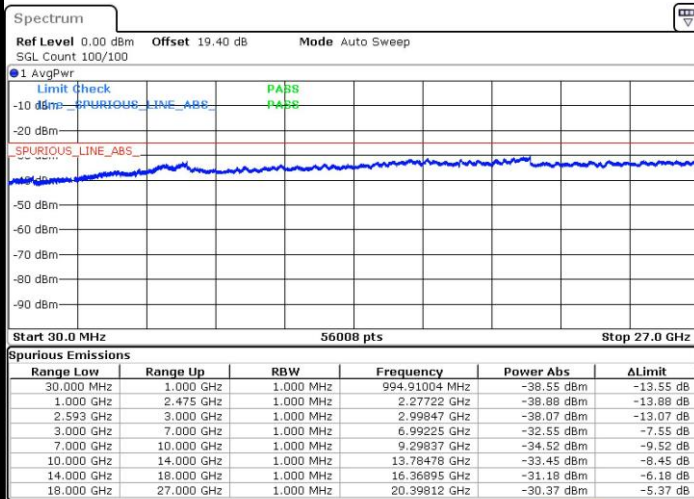
## Highest Channel / 16QAM



Date: 28.MAY.2018 21:33:57

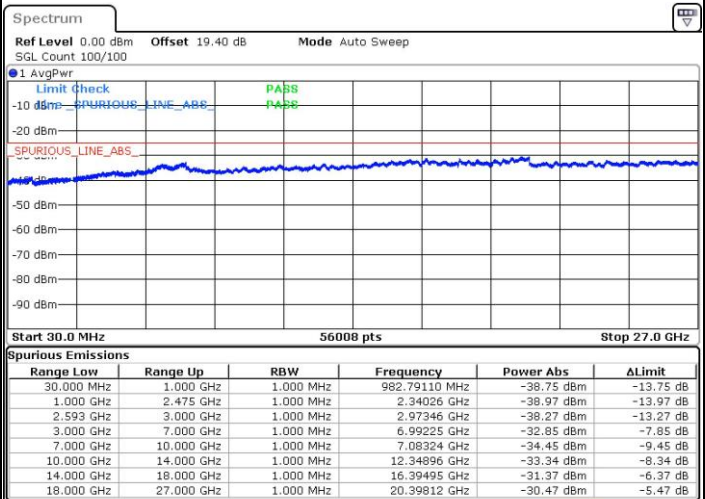
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



Date: 28.MAY.2018 22:01:31

## Lowest Channel / 16QAM

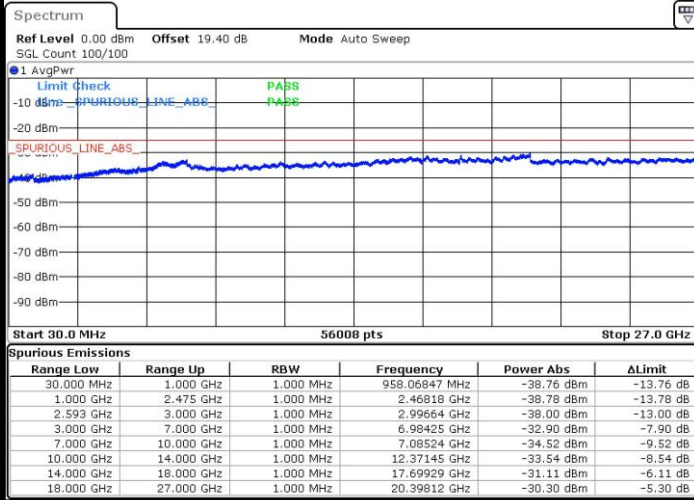


Date: 28.MAY.2018 22:02:19



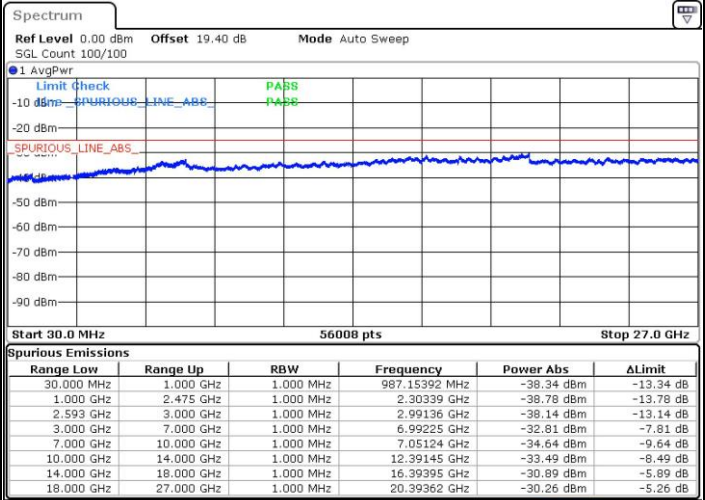
## LTE Band 41 / 20MHz

## Middle Channel / QPSK



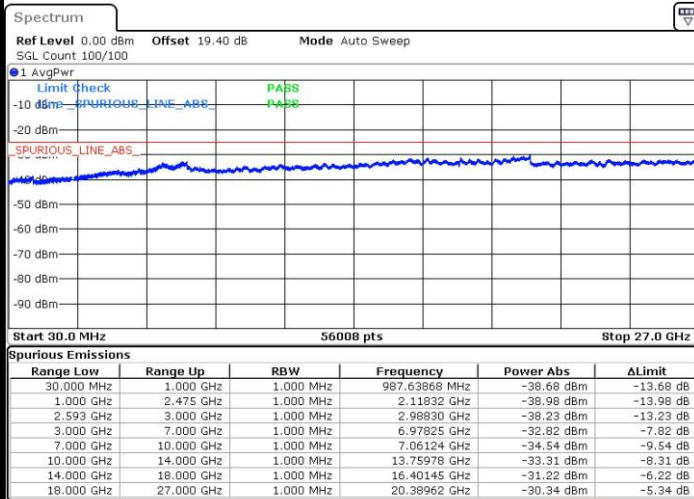
Date: 28.MAY.2018 22:05:56

## Middle Channel / 16QAM



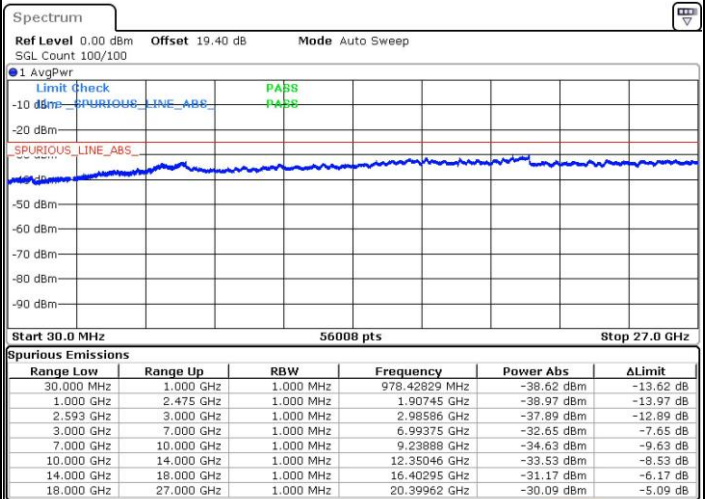
Date: 28.MAY.2018 22:05:05

## Highest Channel / QPSK



Date: 28.MAY.2018 22:06:59

## Highest Channel / 16QAM

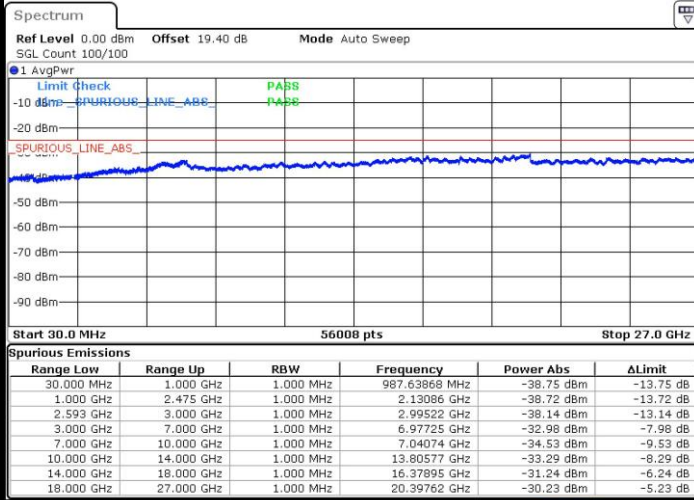


Date: 28.MAY.2018 22:07:49



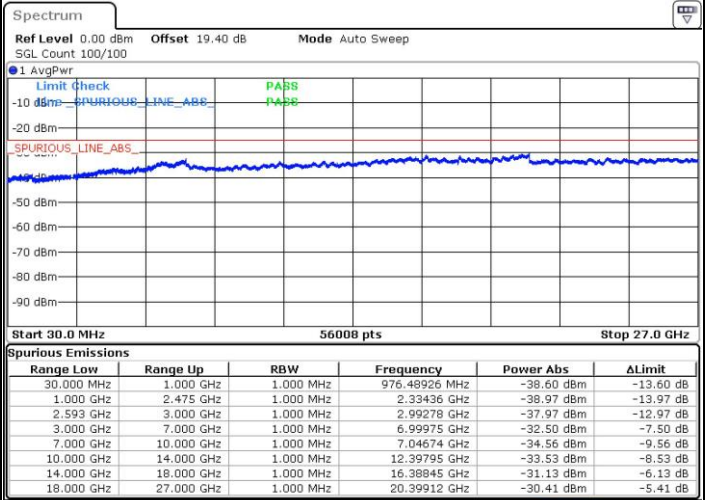
## LTE Band 41 / 5MHz

## Lowest Channel / 64QAM



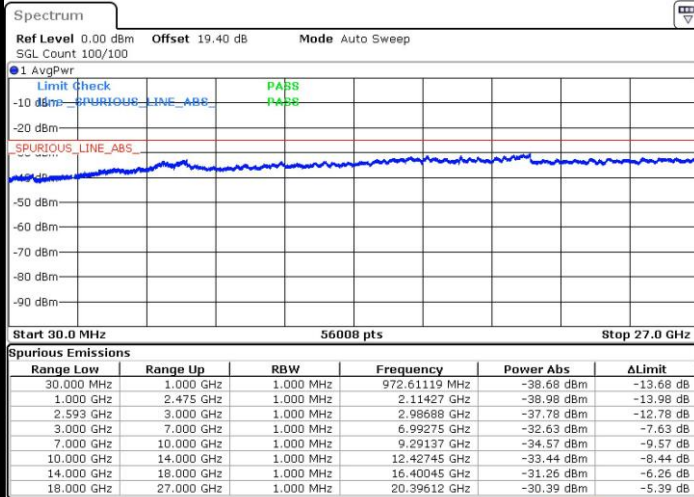
Date: 28.MAY.2018 20:03:33

## Middle Channel / 64QAM



Date: 28.MAY.2018 20:08:25

## Highest Channel / 64QAM

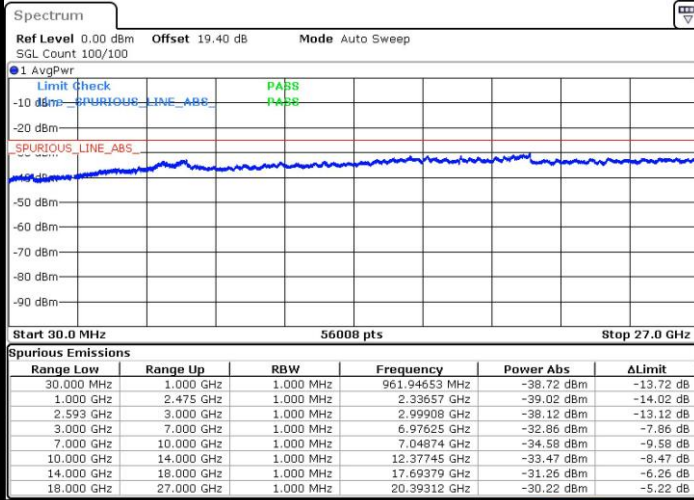


Date: 28.MAY.2018 20:20:52



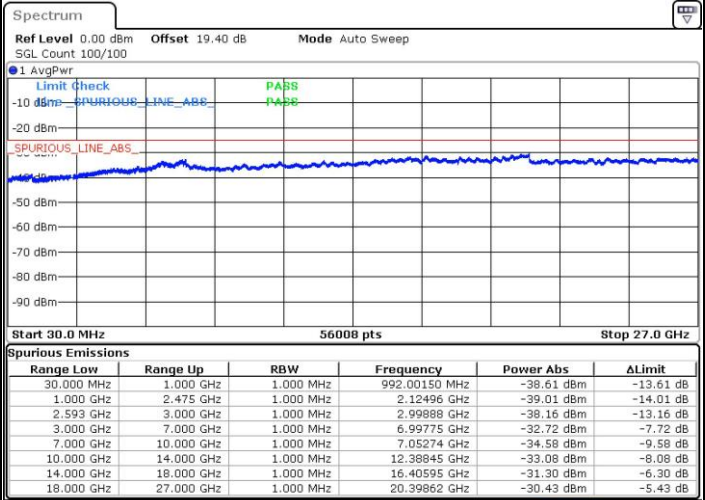
## LTE Band 41 / 10MHz

## Lowest Channel / 64QAM



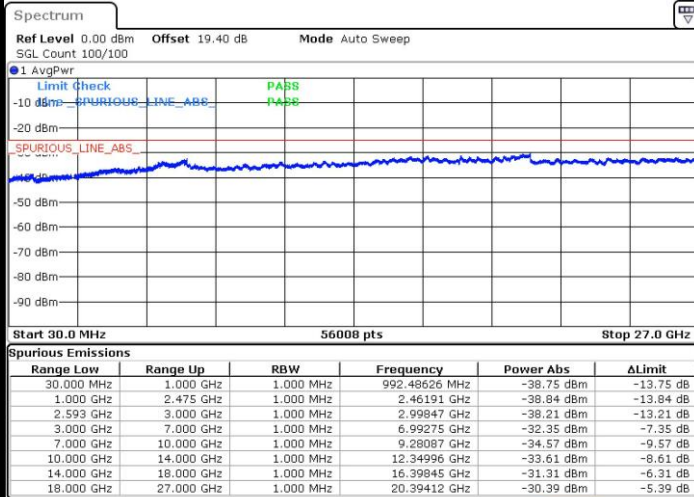
Date: 28.MAY.2018 20:48:58

## Middle Channel / 64QAM



Date: 28.MAY.2018 21:01:59

## Highest Channel / 64QAM



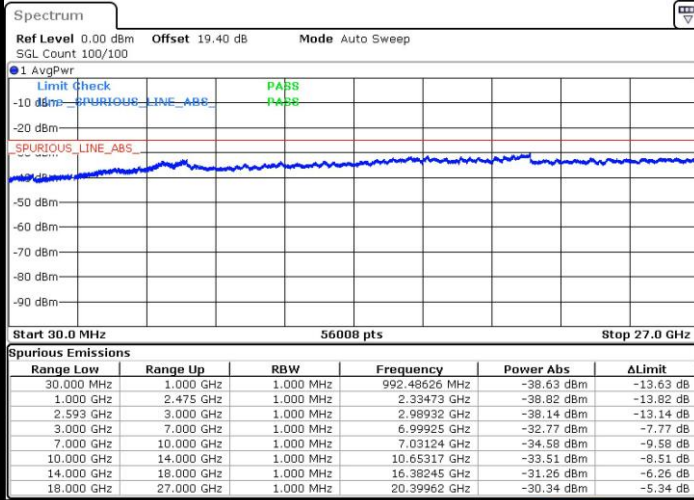
Date: 28.MAY.2018 21:10:44





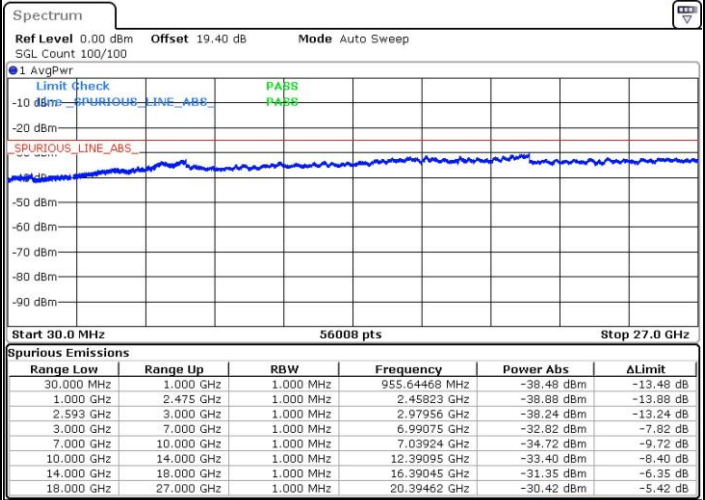
## LTE Band 41 / 15MHz

## Lowest Channel / 64QAM



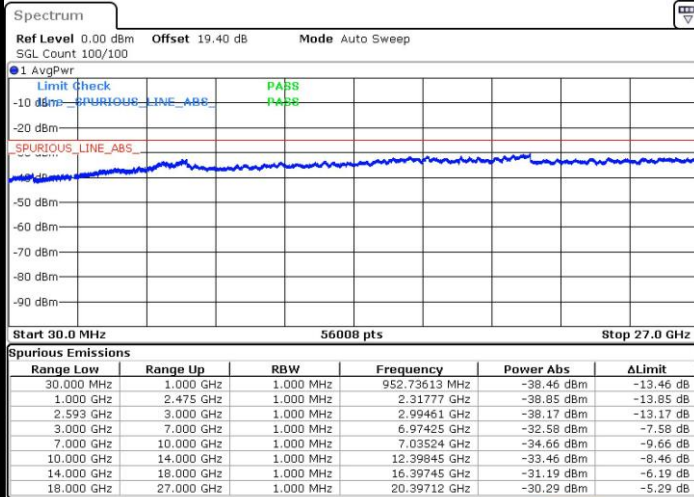
Date: 28.MAY.2018 21:26:18

## Middle Channel / 64QAM



Date: 28.MAY.2018 21:31:23

## Highest Channel / 64QAM

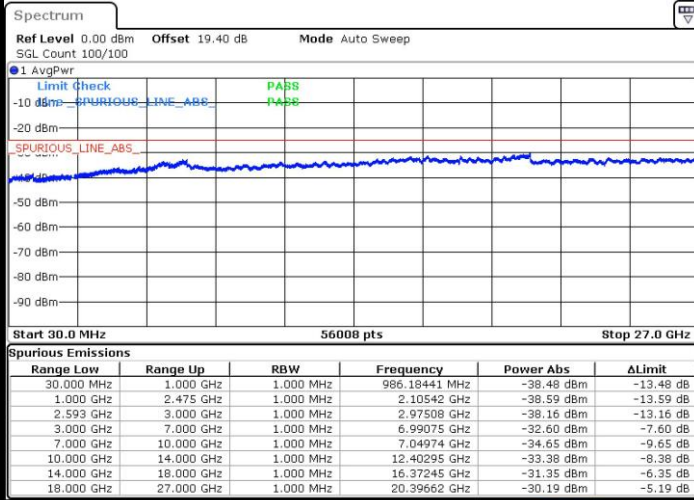


Date: 28.MAY.2018 21:32:11



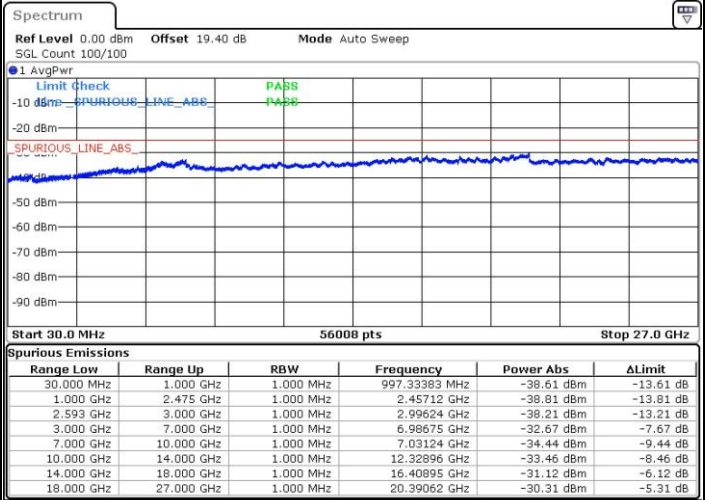
## LTE Band 41 / 20MHz

## Lowest Channel / 64QAM



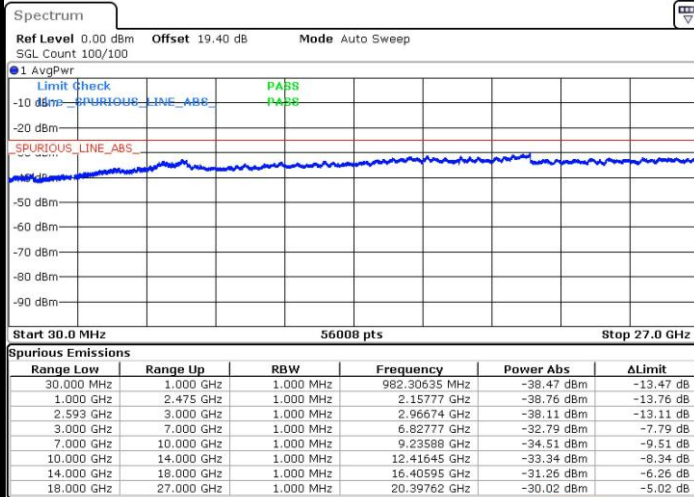
Date: 28.MAY.2018 22:03:08

## Middle Channel / 64QAM



Date: 28.MAY.2018 22:03:56

## Highest Channel / 64QAM



Date: 28.MAY.2018 22:08:40



## 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    | 0.0029                              | PASS    |
| 40               | Normal Voltage    | 0.0010                              |         |
| 30               | Normal Voltage    | 0.0014                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0005                              |         |
| 0                | Normal Voltage    | 0.0047                              |         |
| -10              | Normal Voltage    | 0.0043                              |         |
| -20              | Normal Voltage    | 0.0041                              |         |
| -30              | Normal Voltage    | 0.0009                              |         |
| 20               | Maximum Voltage   | 0.0012                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0002                              |         |

**Note:**

1. Normal Voltage =120 V. ; Battery End Point (BEP) =100 V. ; Maximum Voltage =240 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

## LTE Band 41

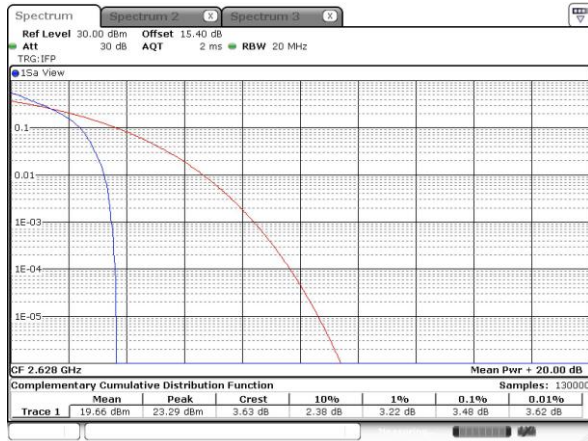
<For 1x1 Tx High Band>

### 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                | 4.7     | 3.77  | 5.22    | PASS        |
| Middle CH  | 5.19                | 4.67    | 5.42  | 5.3     |             |
| Highest CH | 4.96                | 4.96    | 5.45  | 5.77    |             |
| Mode       | LTE Band 41 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 3.94                | 5.22    | -     | -       | PASS        |
| Middle CH  | 5.19                | 5.25    | -     | -       |             |
| Highest CH | 5.28                | 5.74    | -     | -       |             |

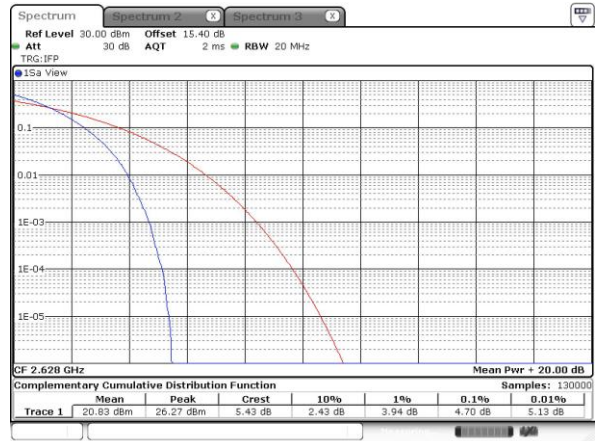
## LTE Band 41 / 20MHz / QPSK

### Lowest Channel / 1RB



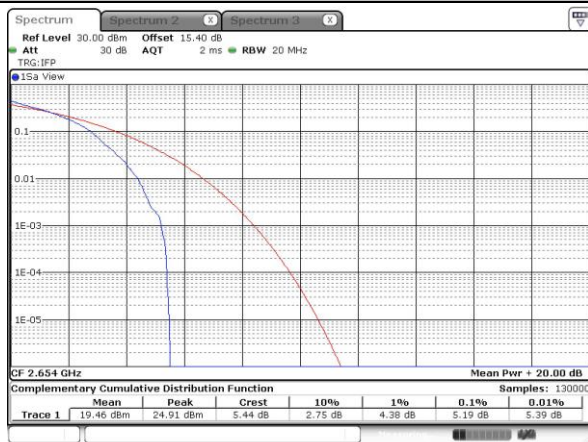
Date: 30 MAY 2018 00:24:12

### Lowest Channel / Full RB



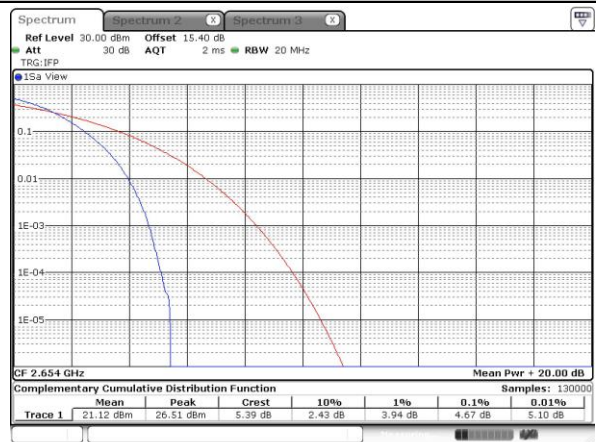
Date: 30 MAY 2018 00:21:05

### Middle Channel / 1RB



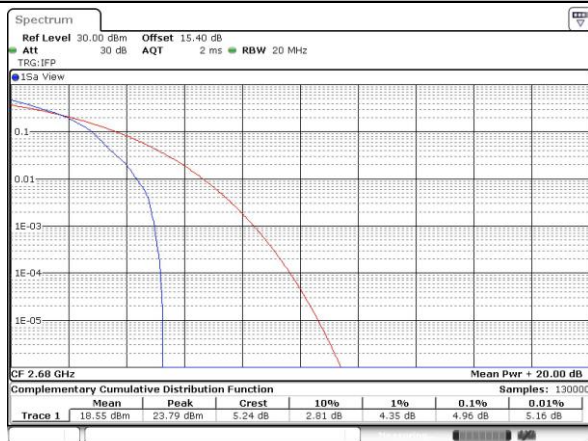
Date: 30 MAY 2018 00:28:54

### Middle Channel / Full RB



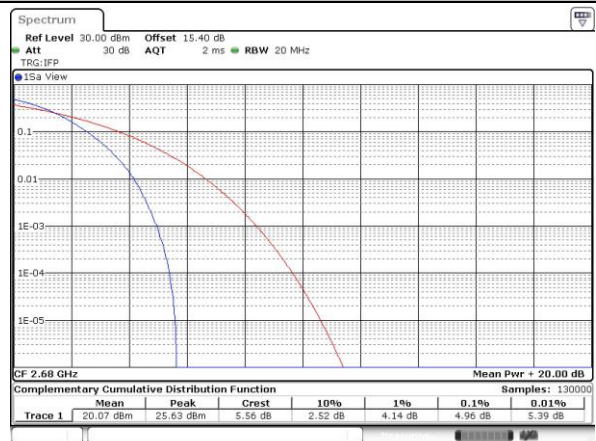
Date: 30 MAY 2018 00:27:06

### Highest Channel / 1RB



Date: 29 MAY 2018 17:06:14

### Highest Channel / Full RB

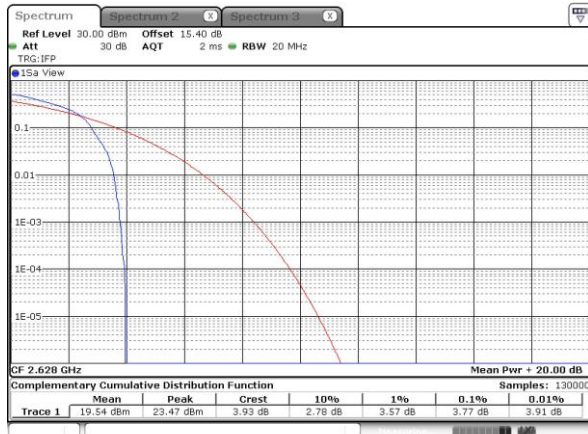


Date: 29 MAY 2018 17:04:24

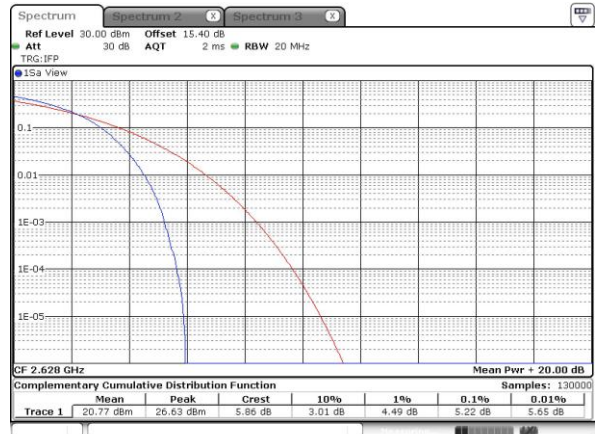


## LTE Band 41 / 20MHz / 16QAM

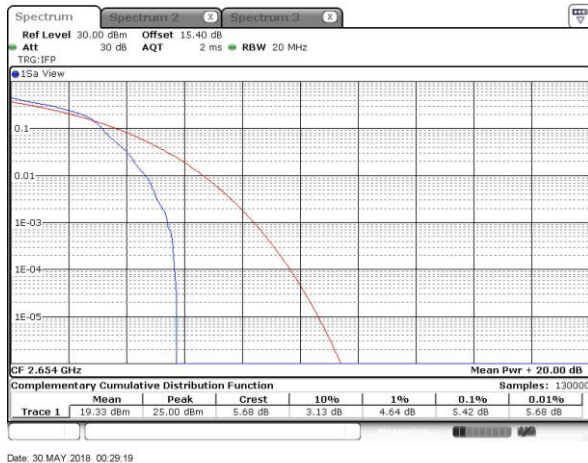
## Lowest Channel / 1RB



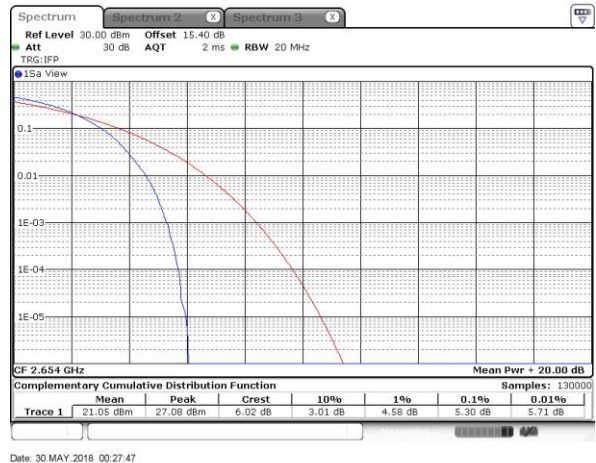
## Lowest Channel / Full RB



## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB

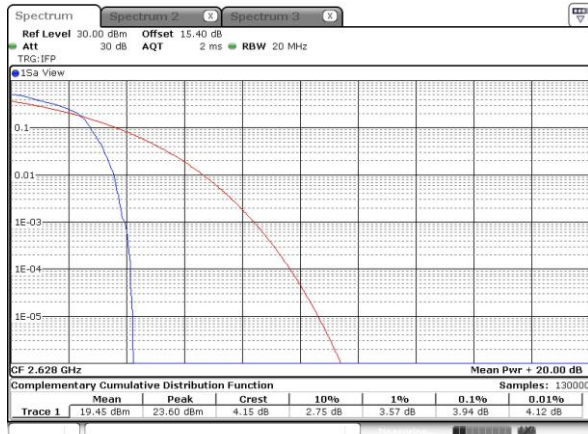




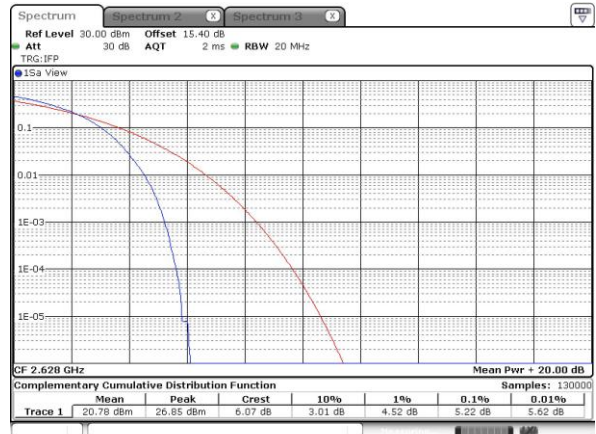


## LTE Band 41 / 20MHz / 64QAM

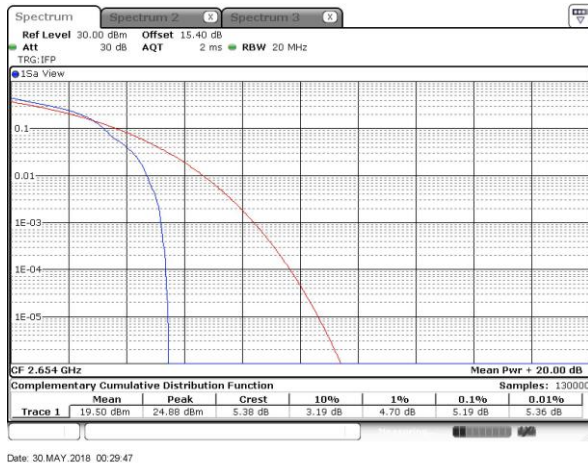
## Lowest Channel / 1RB



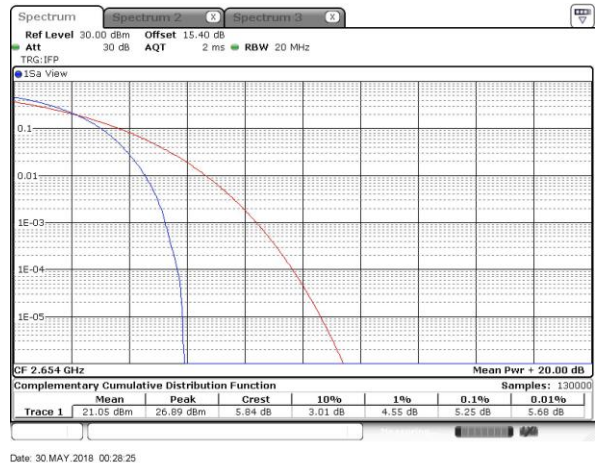
## Lowest Channel / Full RB



## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



**26dB Bandwidth**

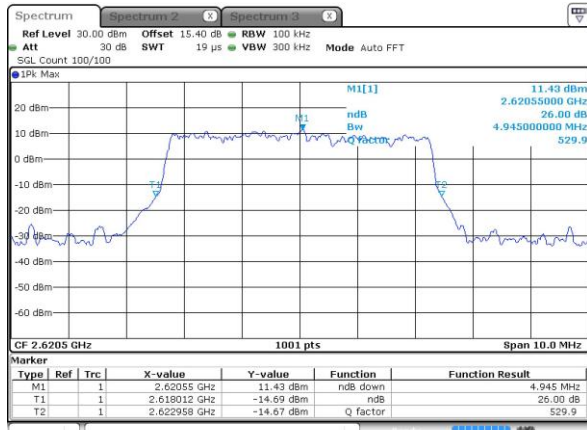
| Mode       | LTE Band 41 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                          | -     | -     | -     | 4.95  | 4.93  | 9.79  | 10.33 | 14.33 | 14.54 | 20.18 | 20.26 |
| Middle CH  | -                          | -     | -     | -     | 5.08  | 4.93  | 9.67  | 9.63  | 14.18 | 14.30 | 20.18 | 20.10 |
| Highest CH | -                          | -     | -     | -     | 5.11  | 5.19  | 9.93  | 9.95  | 14.42 | 14.48 | 20.06 | 20.14 |
| Mode       | LTE Band 41 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 5.09  | -     | 9.97  | -     | 14.48 | -     | 20.22 | -     |
| Middle CH  | -                          | -     | -     | -     | 5.01  | -     | 9.77  | -     | 14.51 | -     | 20.06 | -     |
| Highest CH | -                          | -     | -     | -     | 5.23  | -     | 9.81  | -     | 14.27 | -     | 20.06 | -     |





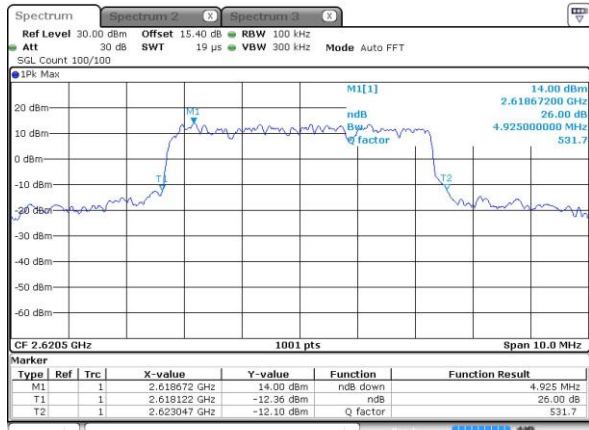
## LTE Band 41

## Lowest Channel / 5MHz / QPSK



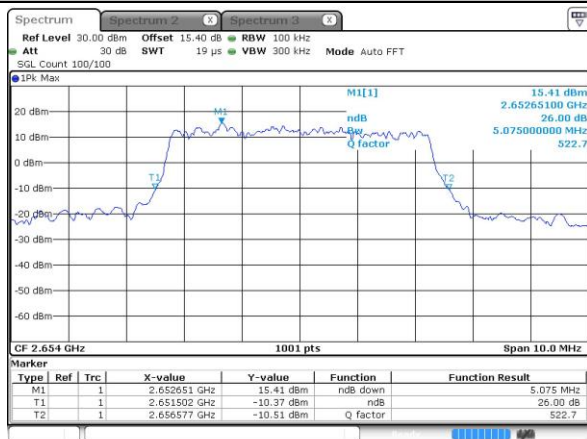
Date: 29 MAY 2018 23:36:32

## Lowest Channel / 5MHz / 16QAM



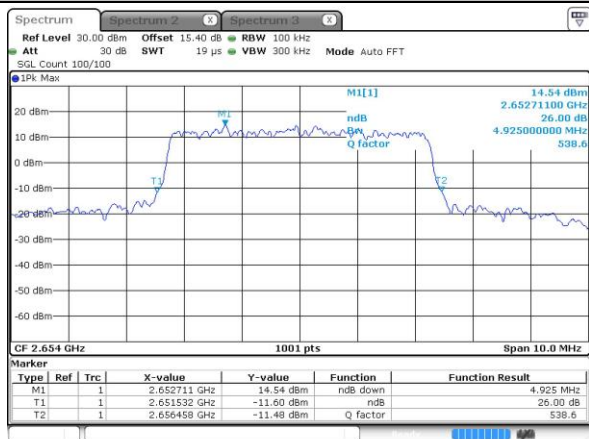
Date: 29 MAY 2018 23:37:27

## Middle Channel / 5MHz / QPSK



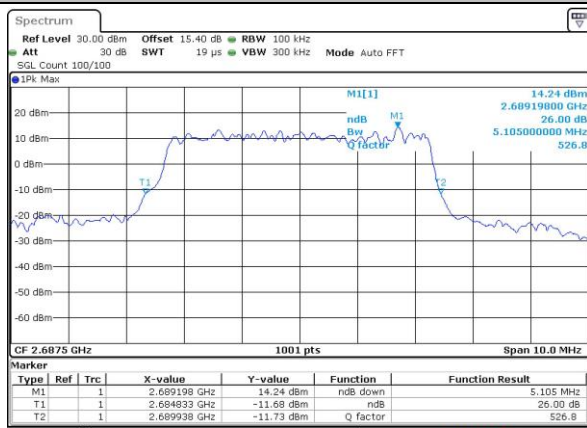
Date: 29 MAY 2018 23:41:21

## Middle Channel / 5MHz / 16QAM



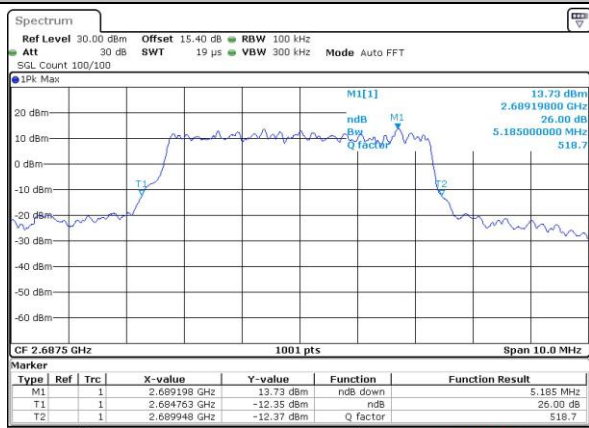
Date: 29 MAY 2018 23:41:44

## Highest Channel / 5MHz / QPSK



Date: 29 MAY 2018 01:11:21

## Highest Channel / 5MHz / 16QAM

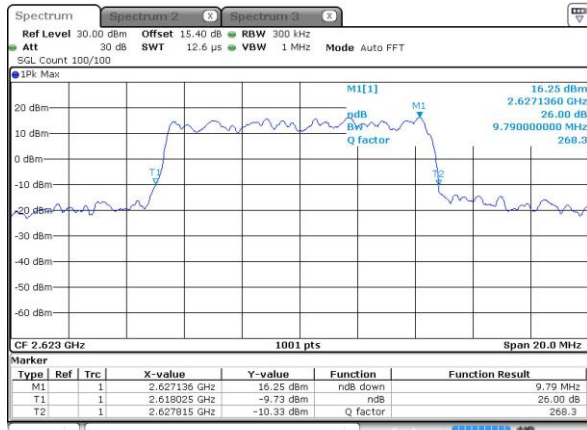


Date: 29 MAY 2018 01:12:05



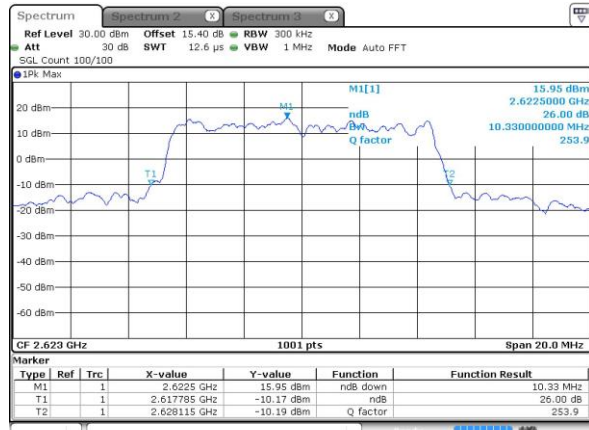
## LTE Band 41

## Lowest Channel / 10MHz / QPSK



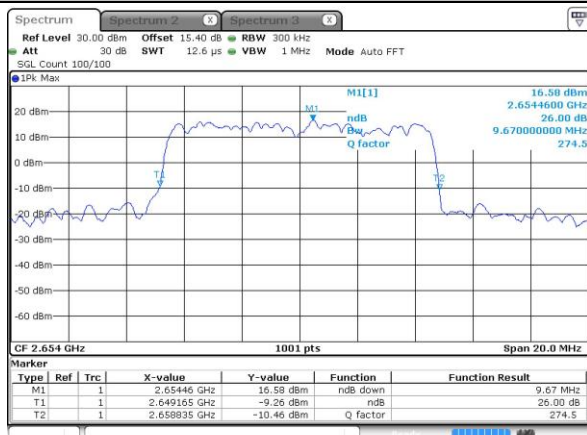
Date: 30 MAY 2018 00:02:54

## Lowest Channel / 10MHz / 16QAM



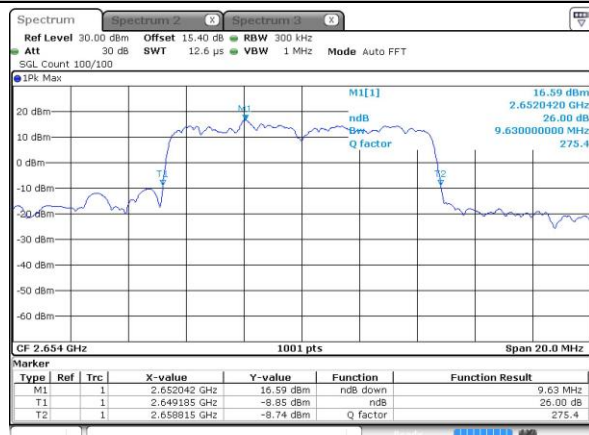
Date: 30 MAY 2018 00:03:13

## Middle Channel / 10MHz / QPSK



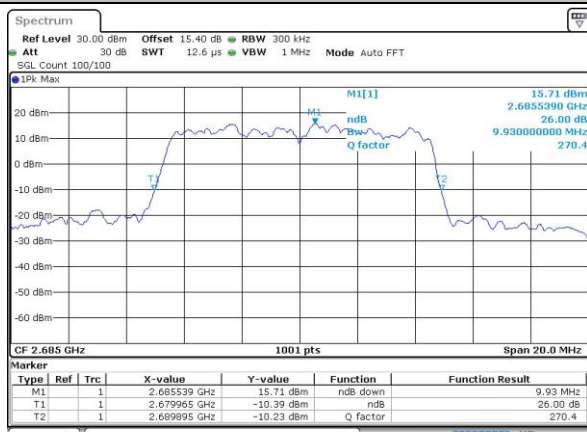
Date: 30 MAY 2018 00:05:10

## Middle Channel / 10MHz / 16QAM



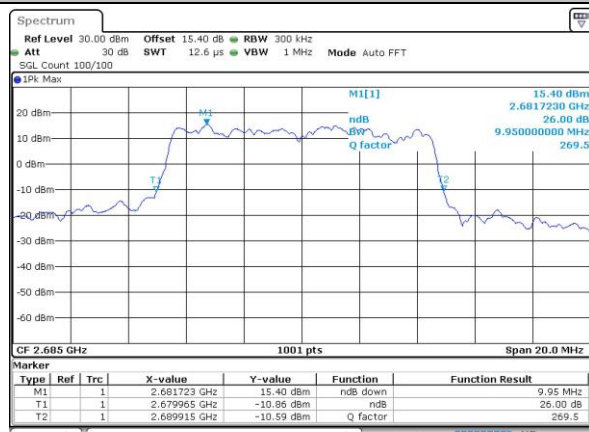
Date: 30 MAY 2018 00:05:41

## Highest Channel / 10MHz / QPSK



Date: 29 MAY 2018 02:06:28

## Highest Channel / 10MHz / 16QAM

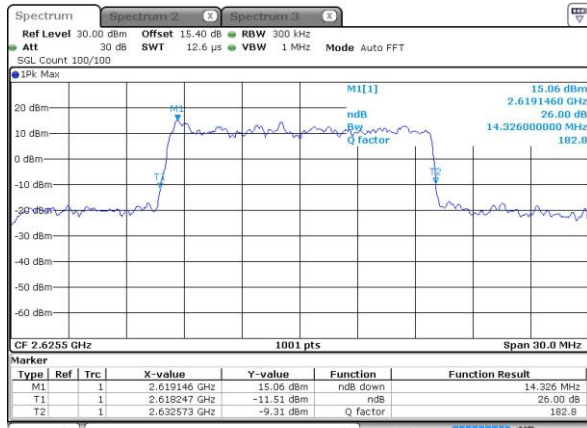


Date: 29 MAY 2018 02:06:49



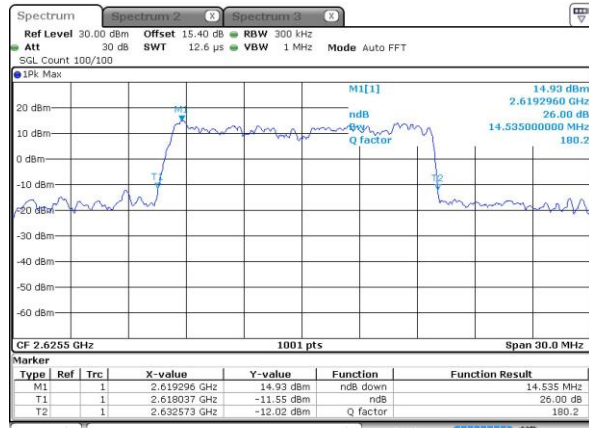
## LTE Band 41

## Lowest Channel / 15MHz / QPSK



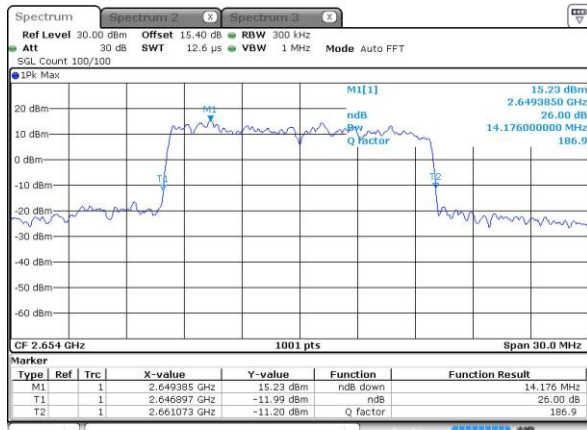
Date: 30 MAY 2018 00:11:45

## Lowest Channel / 15MHz / 16QAM



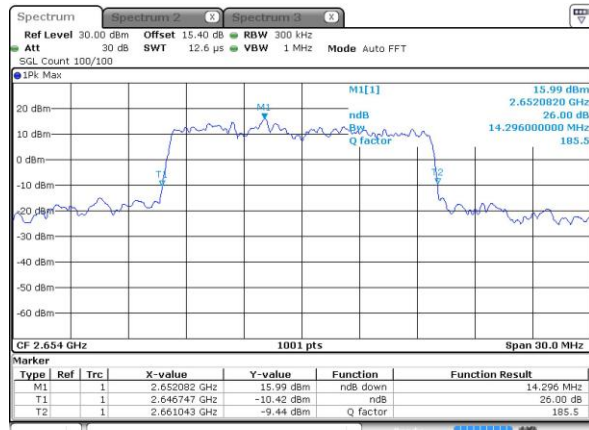
Date: 30 MAY 2018 00:12:09

## Middle Channel / 15MHz / QPSK



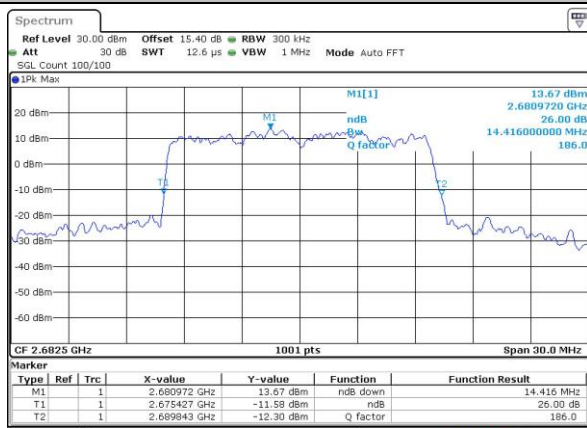
Date: 30 MAY 2018 00:13:22

## Middle Channel / 15MHz / 16QAM



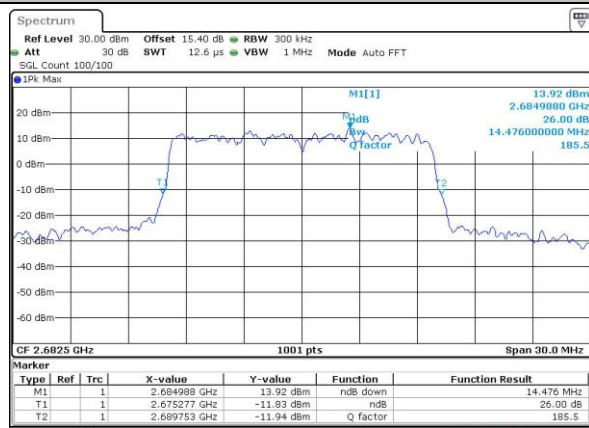
Date: 30 MAY 2018 00:13:42

## Highest Channel / 15MHz / QPSK



Date: 29 MAY 2018 15:15:06

## Highest Channel / 15MHz / 16QAM

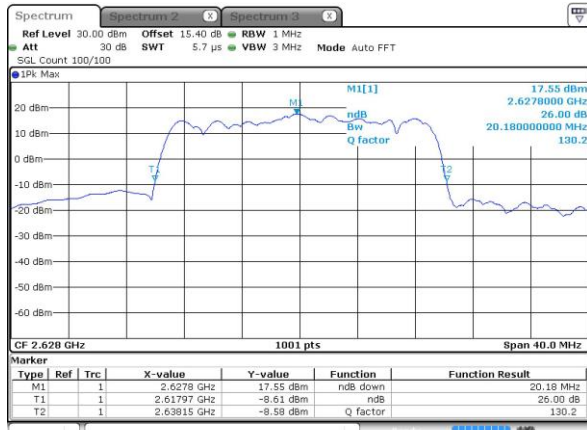


Date: 29 MAY 2018 15:15:32



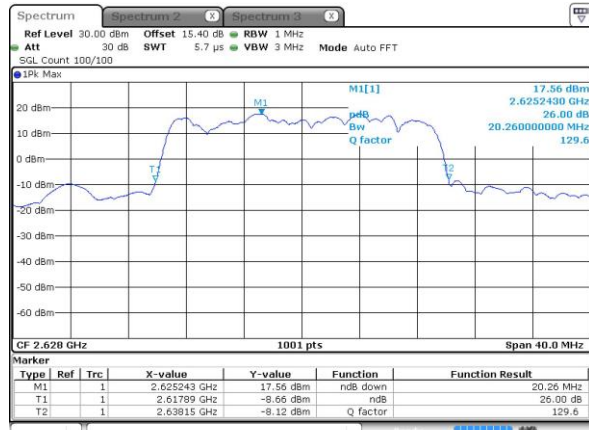
## LTE Band 41

## Lowest Channel / 20MHz / QPSK



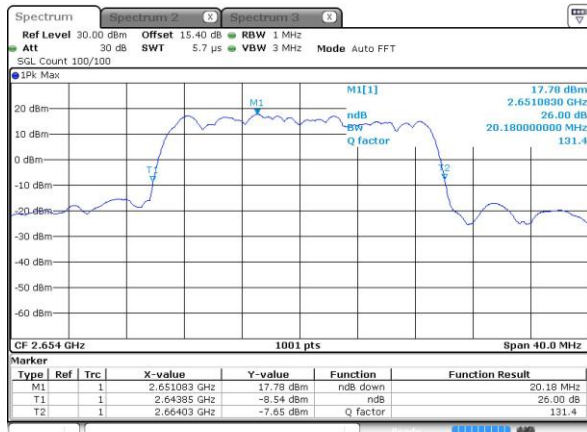
Date: 30 MAY 2018 00:20:44

## Lowest Channel / 20MHz / 16QAM



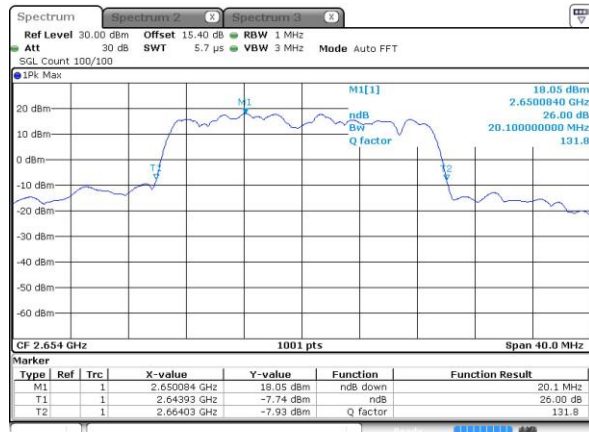
Date: 30 MAY 2018 00:21:52

## Middle Channel / 20MHz / QPSK



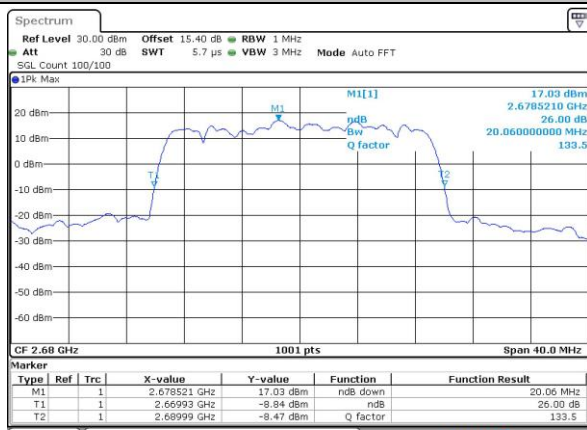
Date: 30 MAY 2018 00:26:51

## Middle Channel / 20MHz / 16QAM



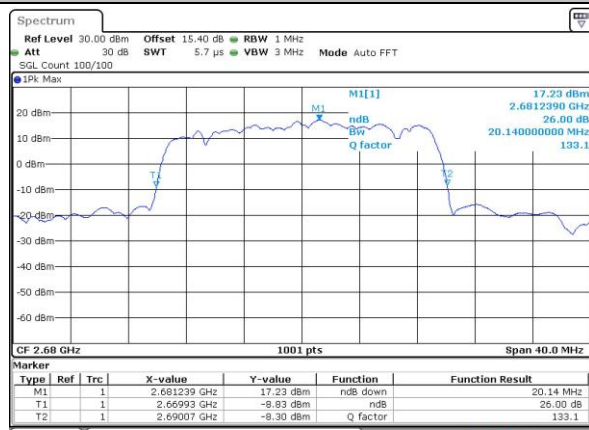
Date: 30 MAY 2018 00:27:31

## Highest Channel / 20MHz / QPSK



Date: 29 MAY 2018 15:56:15

## Highest Channel / 20MHz / 16QAM



Date: 29 MAY 2018 15:46:19