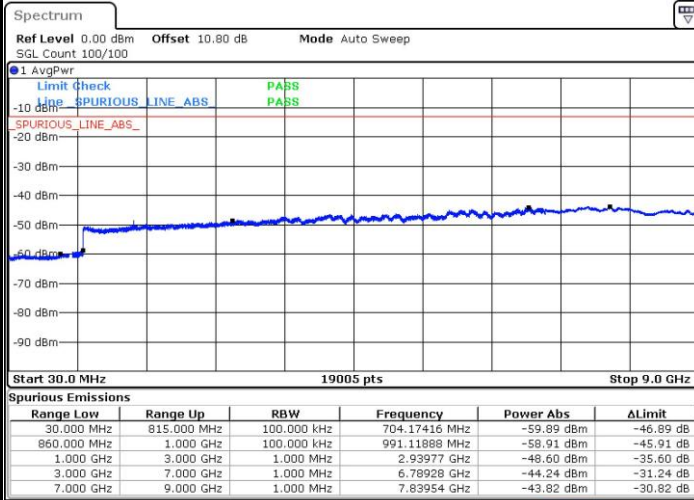




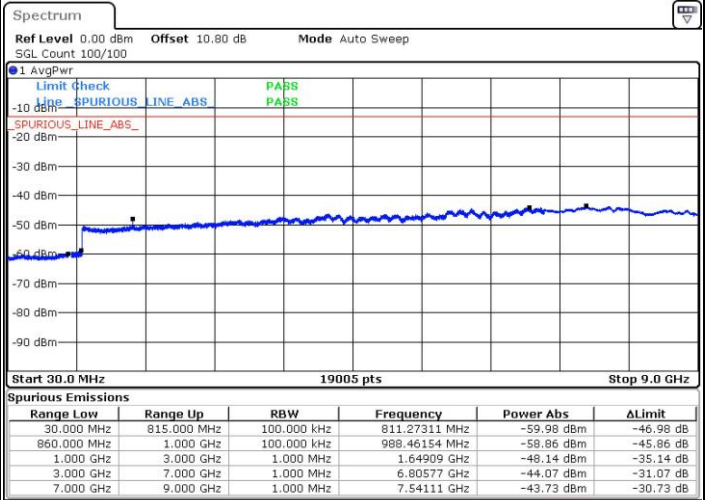
## LTE Band 26 / 5MHz

## Lowest Channel / QPSK



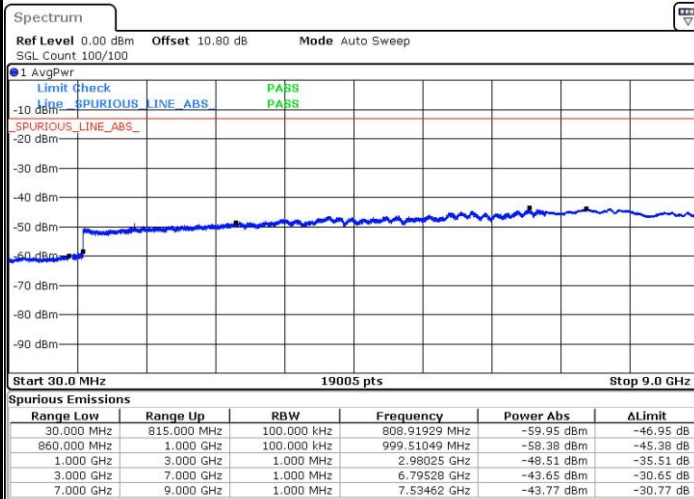
Date: 22 AUG 2018 11:24:46

## Lowest Channel / 16QAM



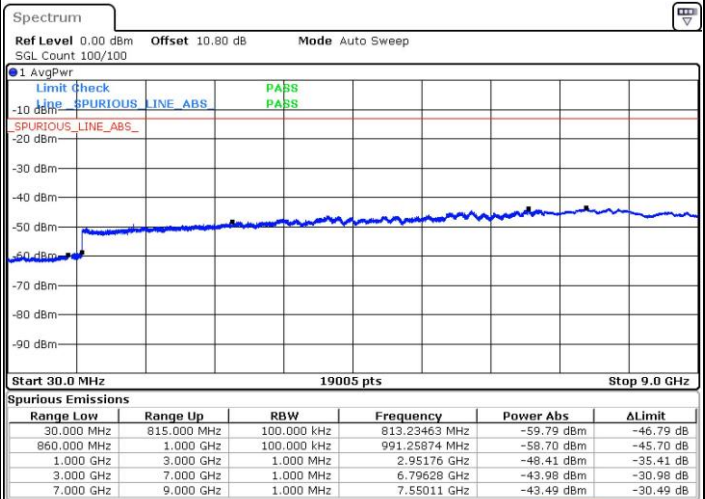
Date: 22 AUG 2018 11:25:46

## Middle Channel / QPSK



Date: 22 AUG 2018 11:27:32

## Middle Channel / 16QAM

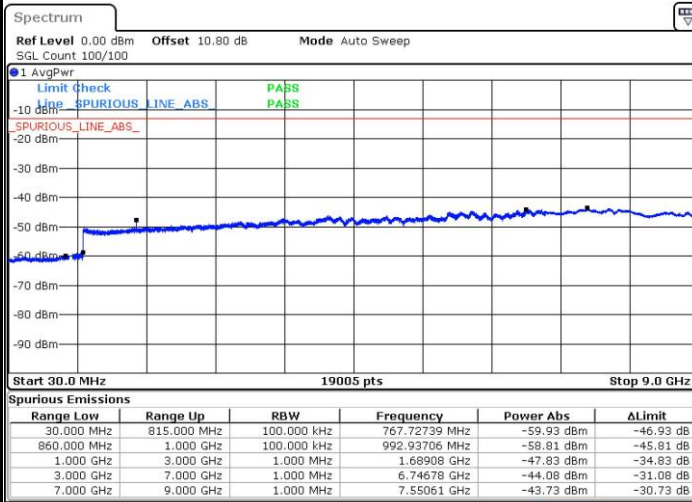


Date: 22 AUG 2018 11:28:32



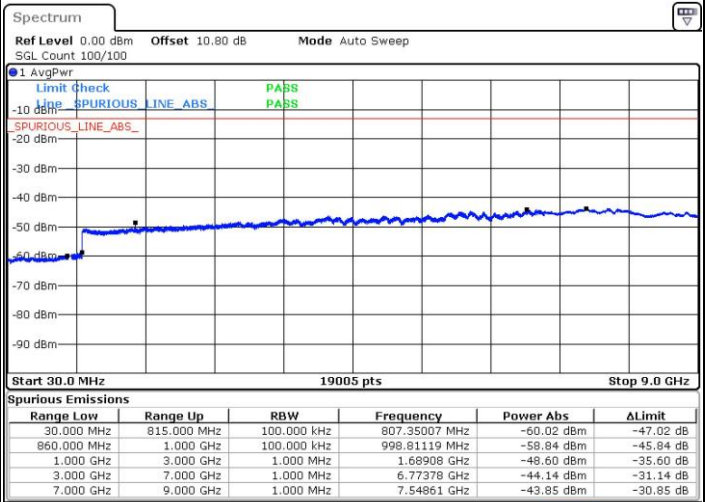
## LTE Band 26 / 5MHz

## Highest Channel / QPSK



Date: 22 AUG 2018 11:34:59

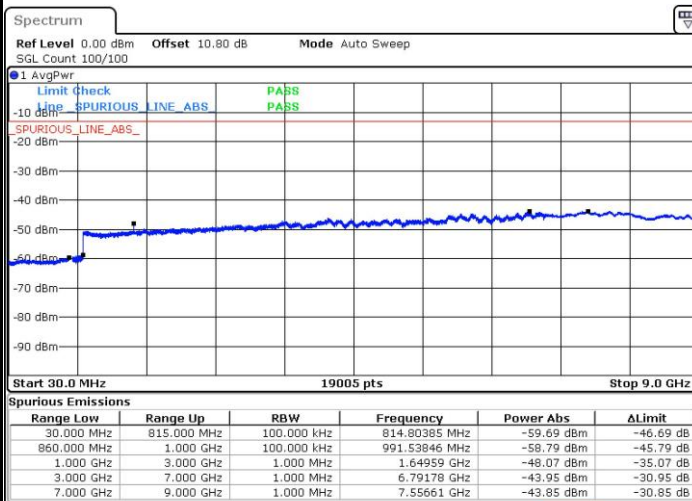
## Highest Channel / 16QAM



Date: 22 AUG 2018 11:35:59

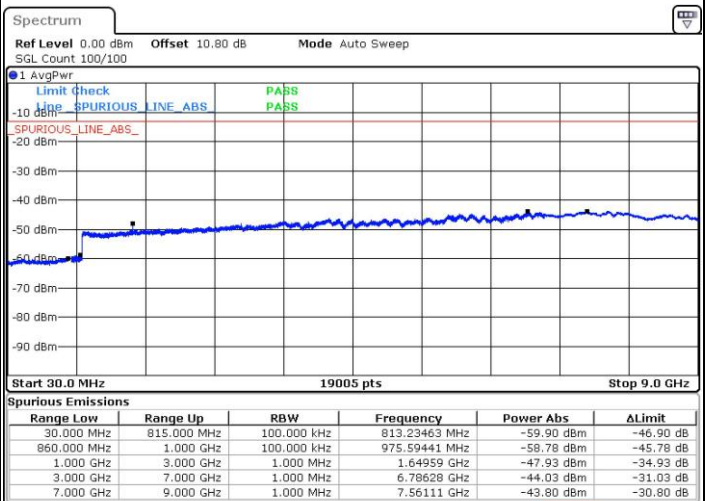
## LTE Band 26 / 10MHz

## Lowest Channel / QPSK



Date: 22 AUG 2018 11:42:25

## Lowest Channel / 16QAM

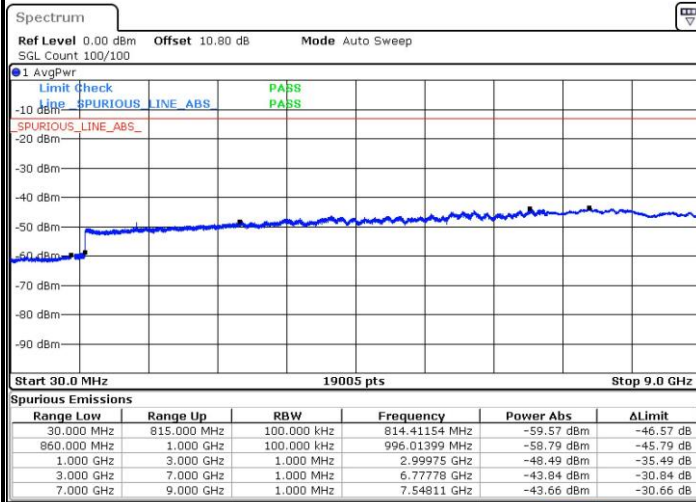


Date: 22 AUG 2018 11:43:25



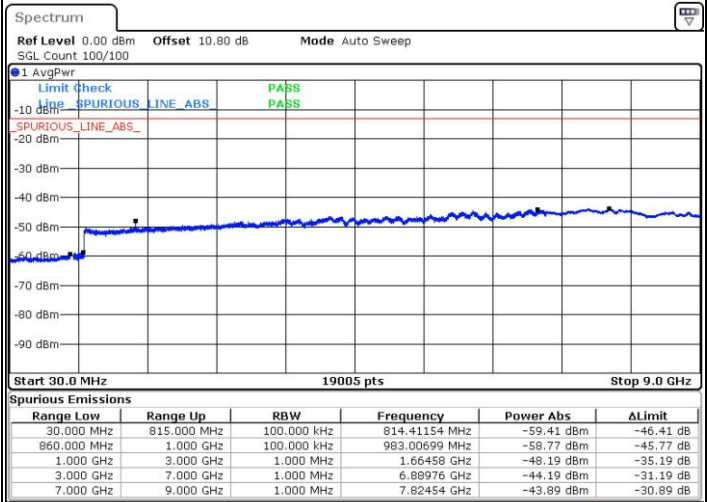
## LTE Band 26 / 10MHz

## Middle Channel / QPSK



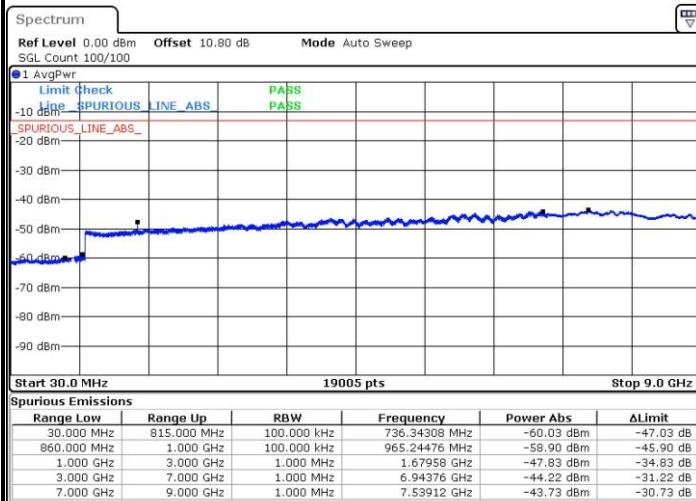
Date: 22 AUG.2018 11:45:11

## Middle Channel / 16QAM



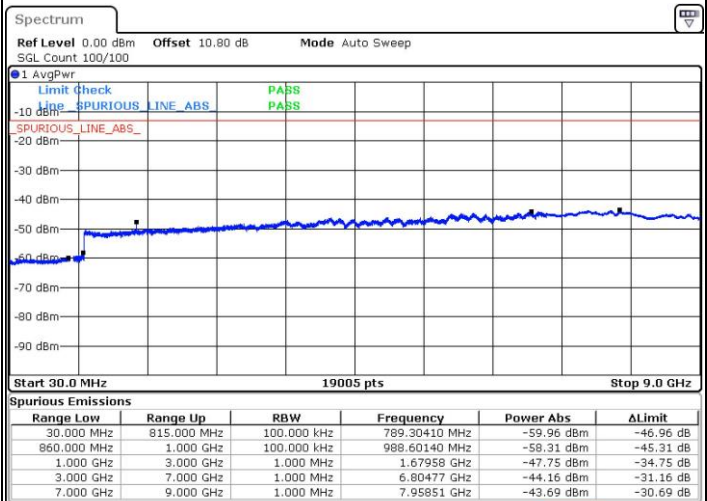
Date: 22 AUG.2018 11:46:11

## Highest Channel / QPSK



Date: 22 AUG.2018 11:52:37

## Highest Channel / 16QAM

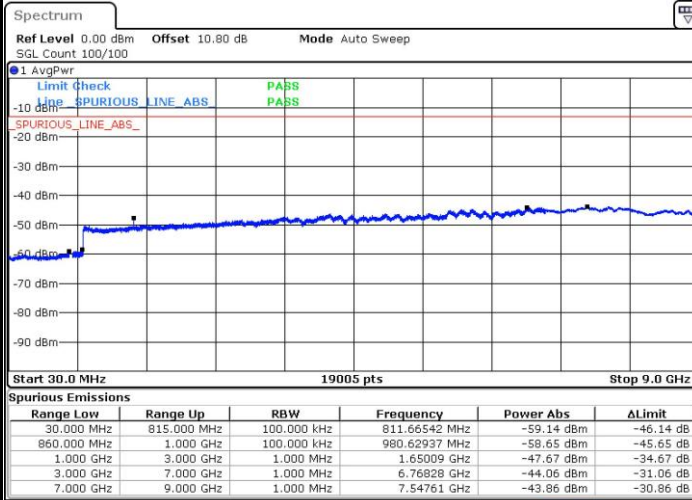


Date: 22 AUG.2018 11:53:38



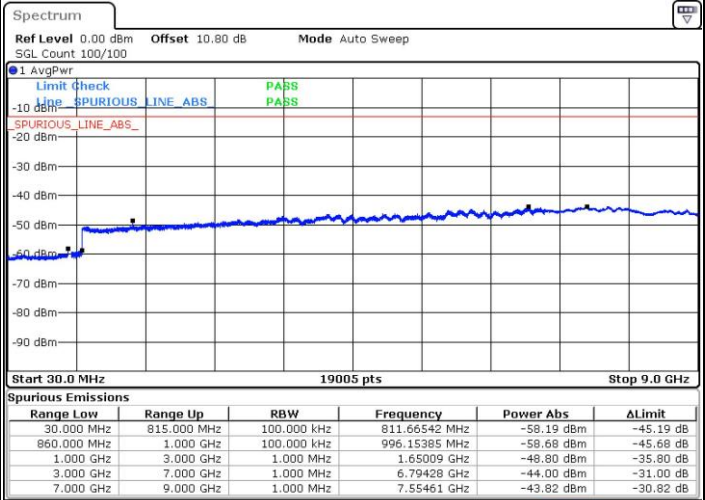
## LTE Band 26 / 15MHz

## Lowest Channel / QPSK



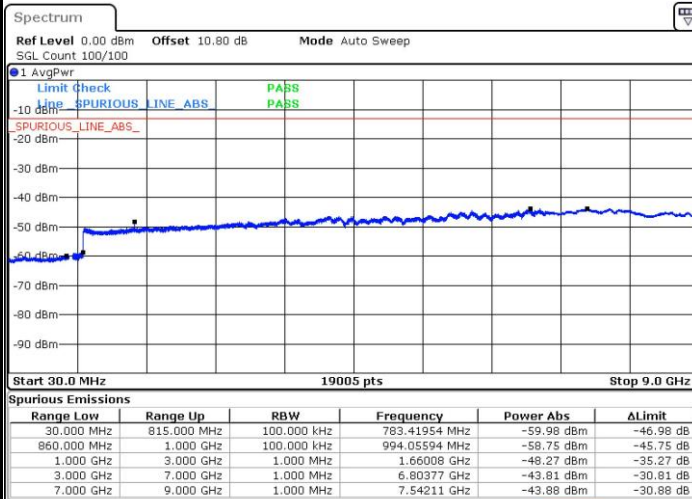
Date: 22 AUG.2018 15:03:36

## Lowest Channel / 16QAM



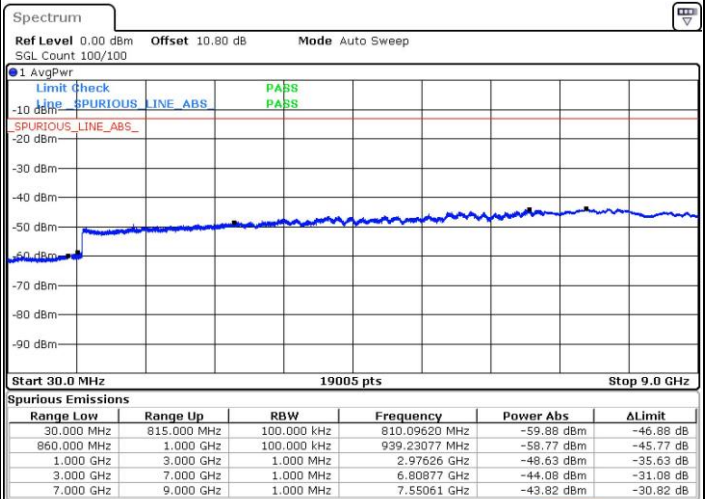
Date: 22 AUG.2018 15:04:36

## Middle Channel / QPSK



Date: 22 AUG.2018 15:06:22

## Middle Channel / 16QAM

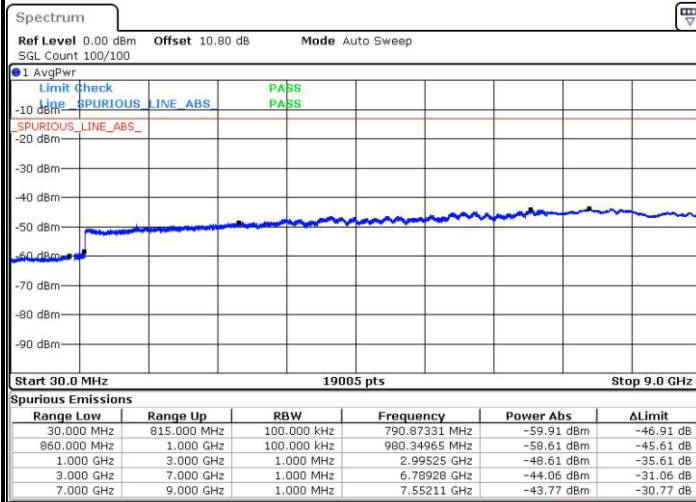


Date: 22 AUG.2018 15:07:22



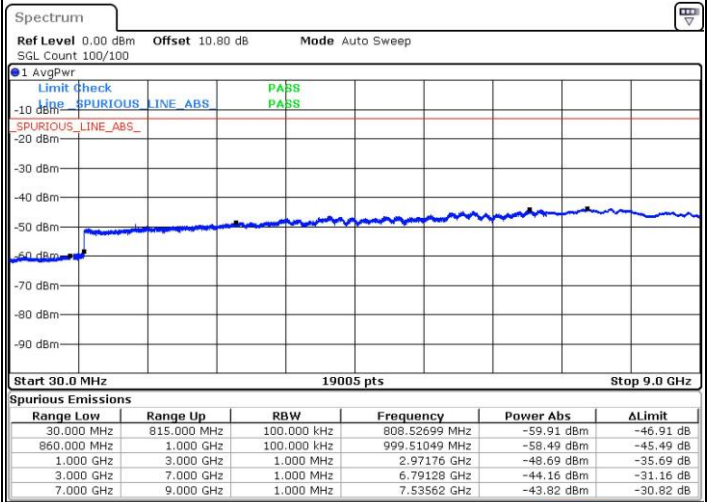
## LTE Band 26 / 15MHz

## Highest Channel / QPSK



Date: 22 AUG 2018 15:13:48

## Highest Channel / 16QAM

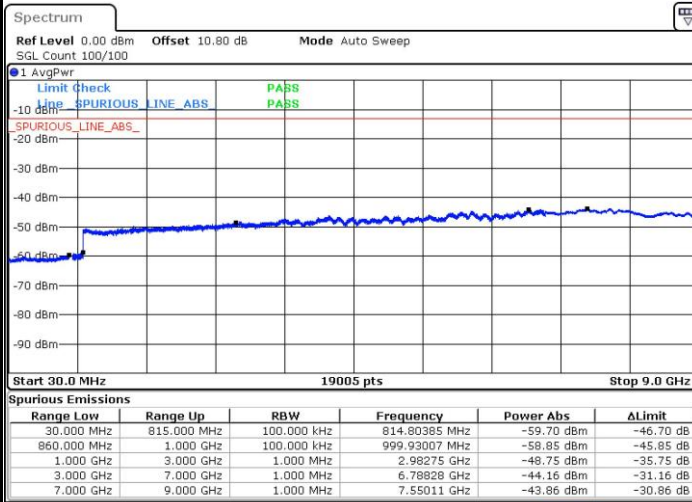


Date: 22 AUG 2018 15:14:48



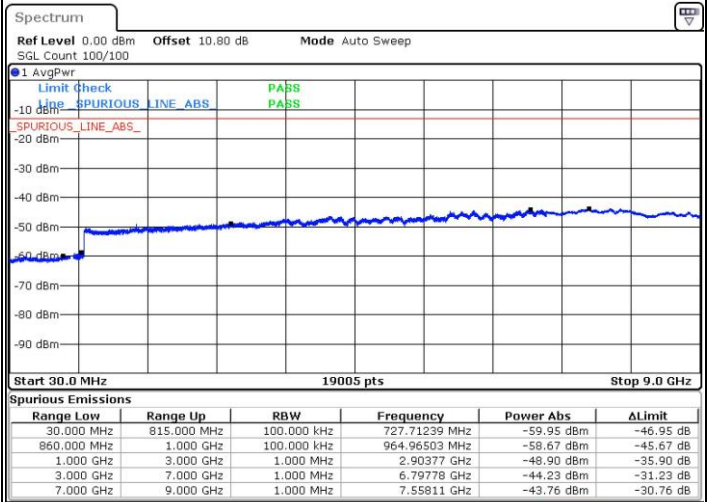
## LTE Band 26 / 1.4MHz

## Lowest Channel / 64QAM



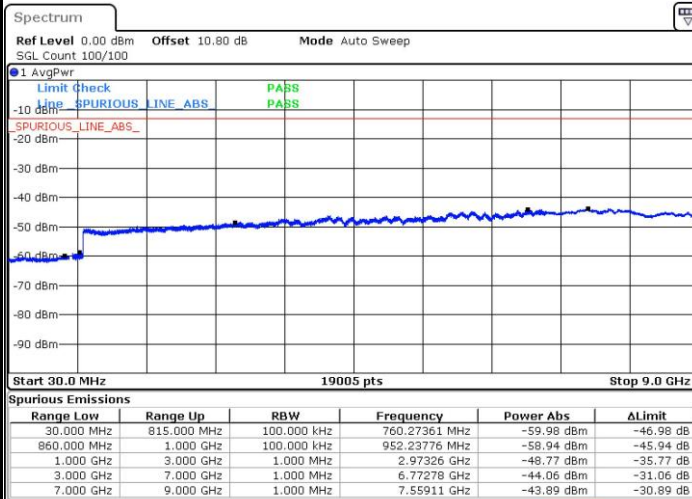
Date: 22 AUG.2018 10:02:24

## Middle Channel / 64QAM



Date: 22 AUG.2018 10:03:47

## Highest Channel / 64QAM

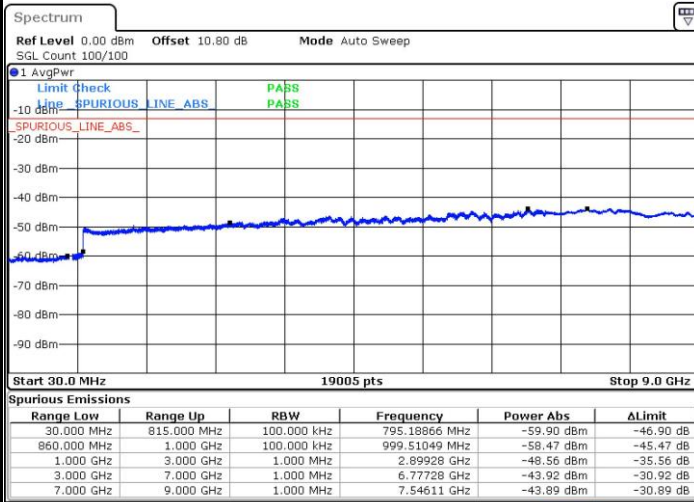


Date: 22 AUG.2018 10:07:59



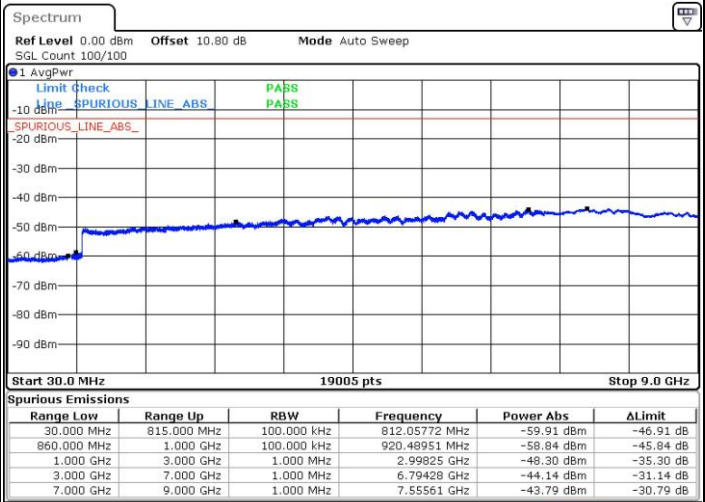
## LTE Band 26 / 3MHz

## Lowest Channel / 64QAM



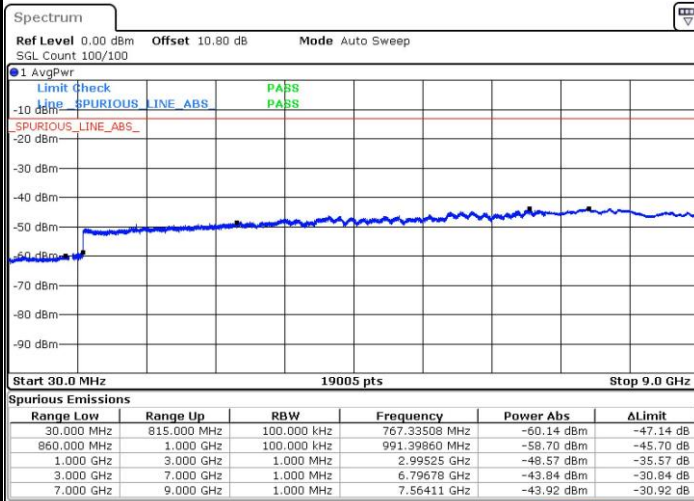
Date: 22 AUG.2018 10:11:42

## Middle Channel / 64QAM



Date: 22 AUG.2018 10:13:05

## Highest Channel / 64QAM

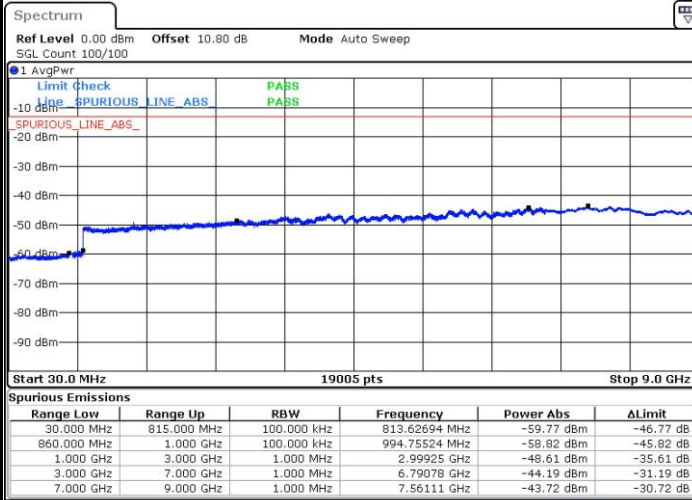


Date: 22 AUG.2018 10:34:13



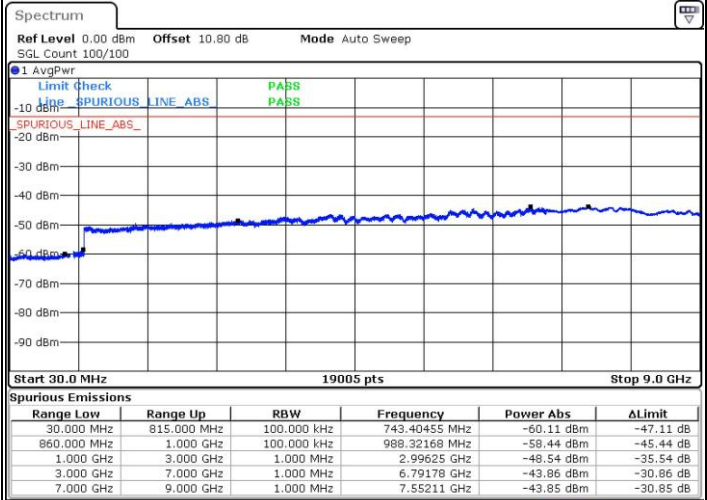
## LTE Band 26 / 5MHz

## Lowest Channel / 64QAM



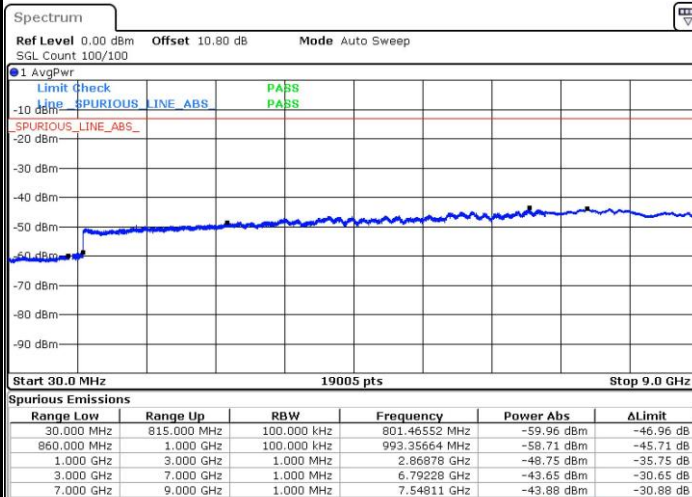
Date: 22 AUG.2018 10:37:56

## Middle Channel / 64QAM



Date: 22 AUG.2018 10:39:19

## Highest Channel / 64QAM

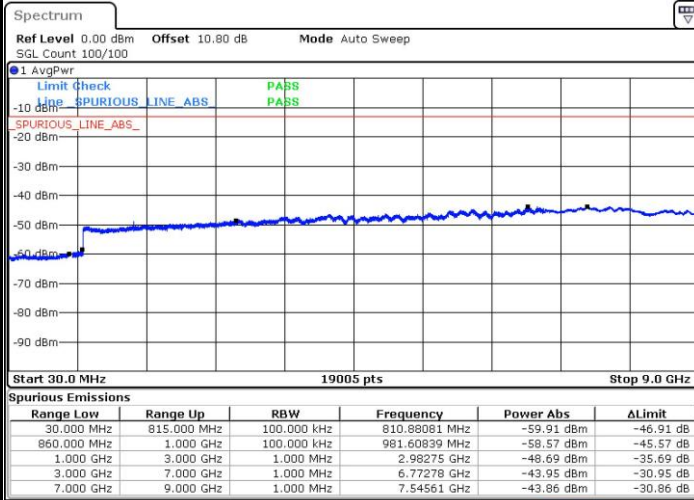


Date: 22 AUG.2018 10:43:02



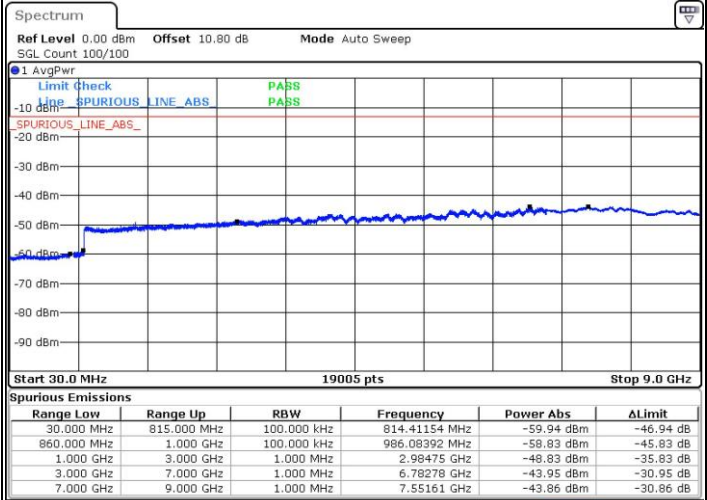
## LTE Band 26 / 10MHz

## Lowest Channel / 64QAM



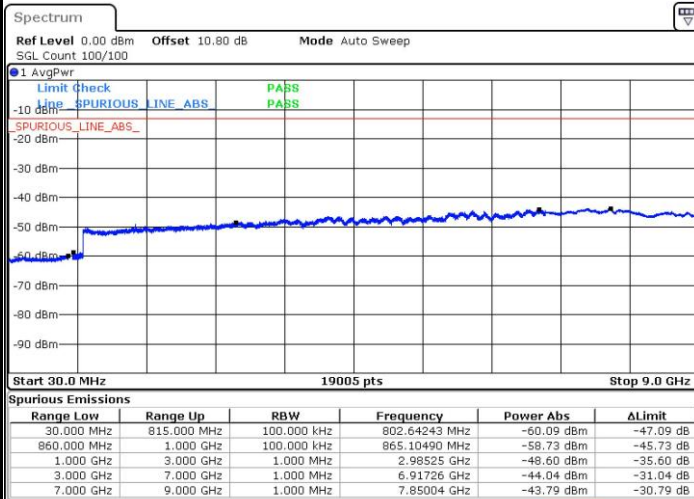
Date: 22 AUG.2018 10:46:46

## Middle Channel / 64QAM



Date: 22 AUG.2018 10:48:09

## Highest Channel / 64QAM

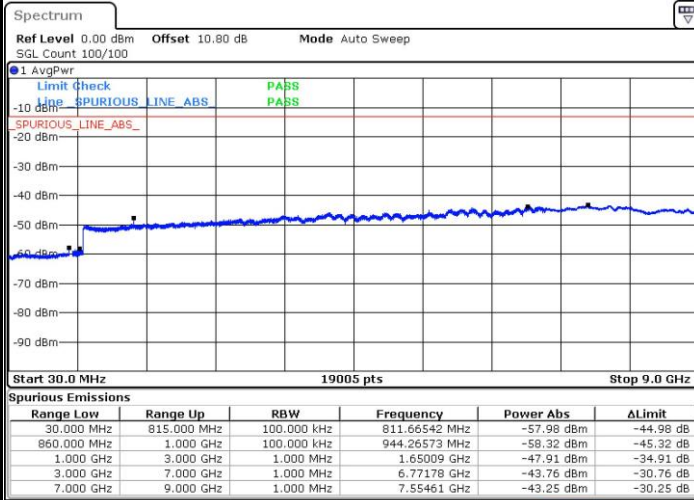


Date: 22 AUG.2018 10:51:52



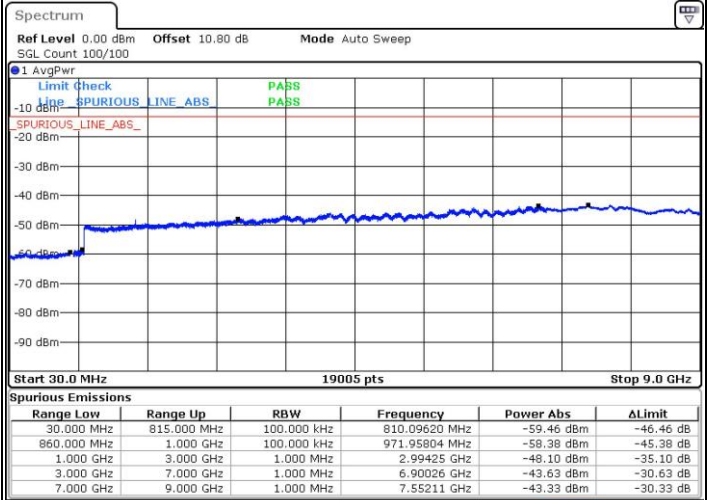
## LTE Band 26 / 15MHz

## Lowest Channel / 64QAM



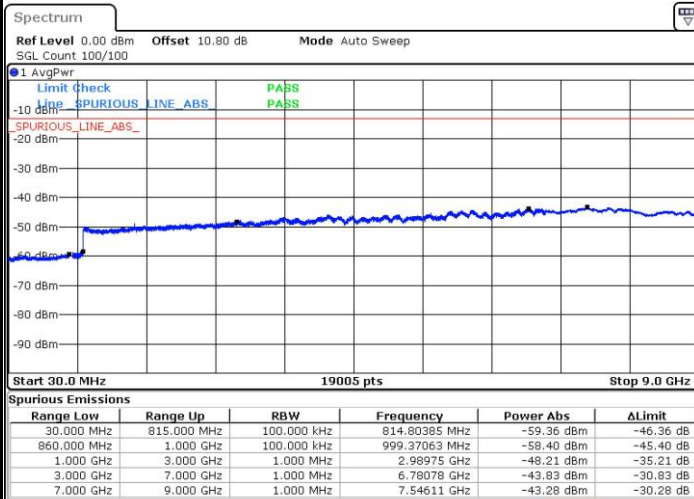
Date: 23 AUG.2018 11:59:06

## Middle Channel / 64QAM



Date: 23 AUG.2018 12:00:29

## Highest Channel / 64QAM



Date: 23 AUG.2018 12:04:12

## Frequency Stability

| Test Conditions     |                   | LTE Band 26 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0091                              | PASS    |
| 40                  | Normal Voltage    | 0.0023                              |         |
| 30                  | Normal Voltage    | 0.0012                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0099                              |         |
| 0                   | Normal Voltage    | 0.0096                              |         |
| -10                 | Normal Voltage    | 0.0012                              |         |
| -20                 | Normal Voltage    | 0.0017                              |         |
| -30                 | Normal Voltage    | 0.0016                              |         |
| 20                  | Maximum Voltage   | 0.0026                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0108                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 38

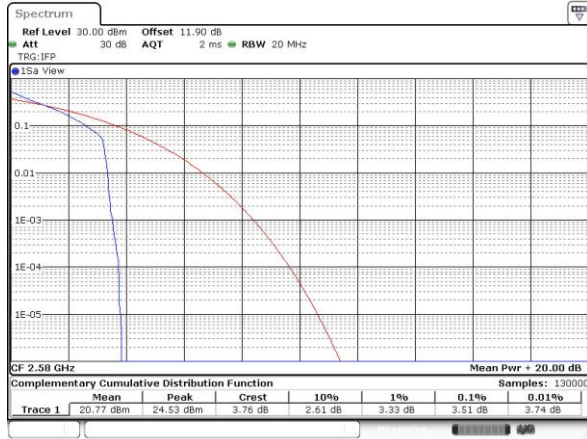
### Peak-to-Average Ratio

| Mode       | LTE Band 38 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.51                | 4.55    | 5.33  | 5.86    | PASS        |
| Middle CH  | 3.62                | 4.72    | 5.22  | 6.06    |             |
| Highest CH | 3.91                | 4.87    | 5.68  | 6.26    |             |
| Mode       | LTE Band 38 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 6.14                | 6.43    | -     | -       | PASS        |
| Middle CH  | 6.32                | 6.58    | -     | -       |             |
| Highest CH | 6.49                | 6.78    | -     | -       |             |

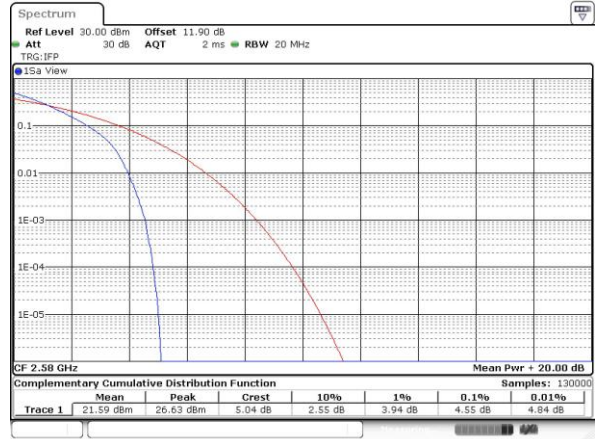


## LTE Band 38 / 20MHz / QPSK

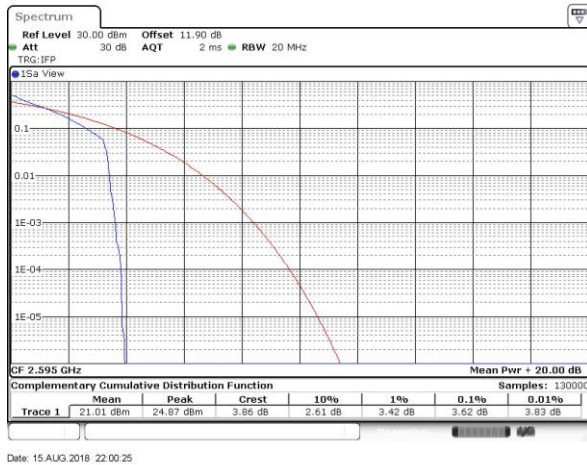
## Lowest Channel / 1RB



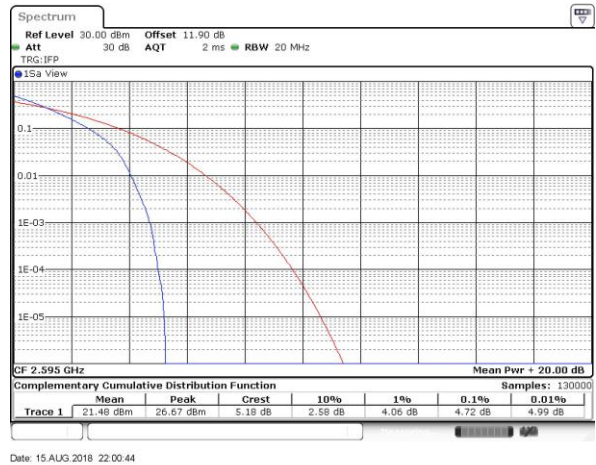
## Lowest Channel / Full RB



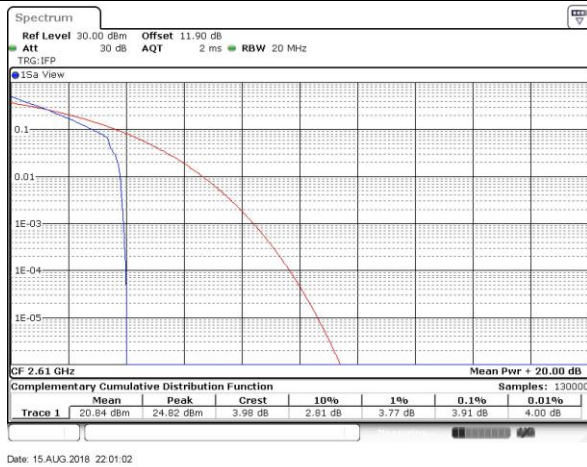
## Middle Channel / 1RB



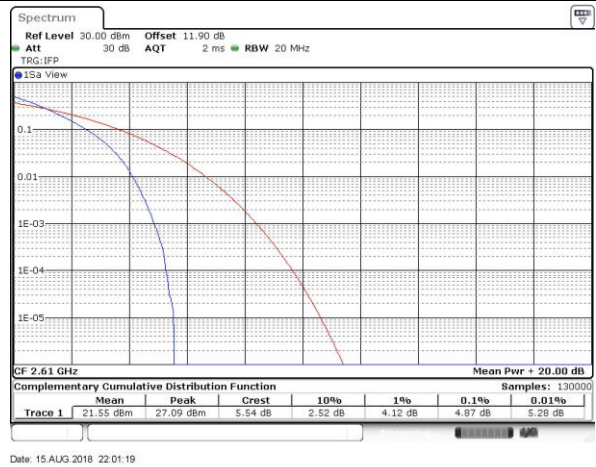
## Middle Channel / Full RB



## Highest Channel / 1RB



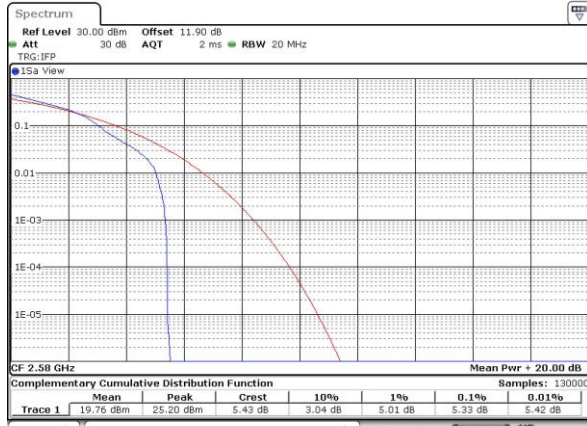
## Highest Channel / Full RB





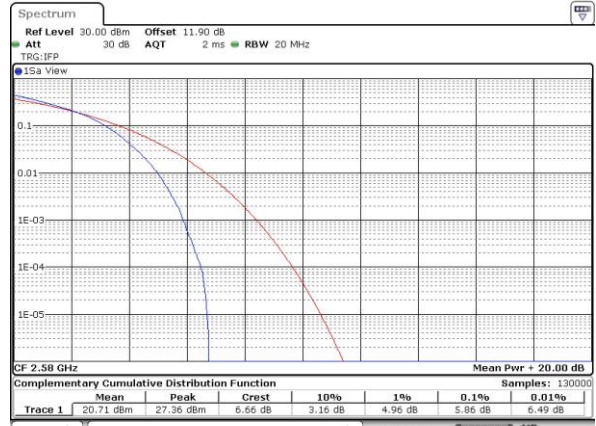
## LTE Band 38 / 20MHz / 16QAM

## Lowest Channel / 1RB



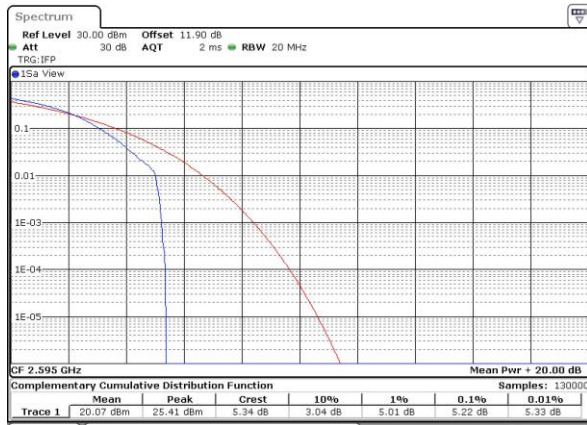
Date: 15 AUG 2018 21:56:55

## Lowest Channel / Full RB



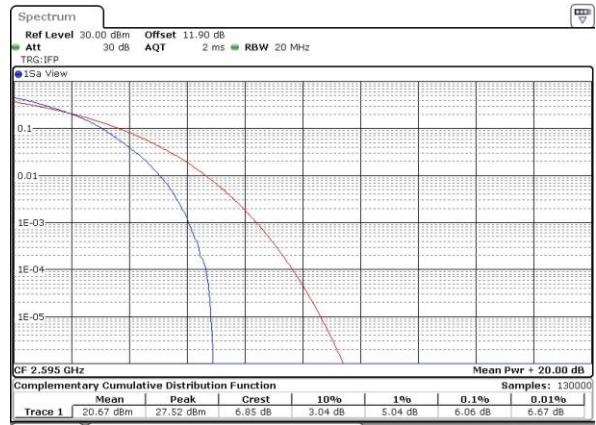
Date: 15 AUG 2018 21:57:11

## Middle Channel / 1RB



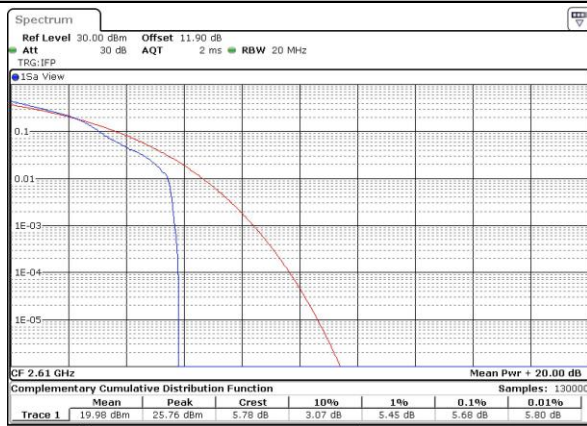
Date: 15 AUG 2018 21:57:27

## Middle Channel / Full RB



Date: 15 AUG 2018 21:59:03

## Highest Channel / 1RB



Date: 15 AUG 2018 21:59:19

## Highest Channel / Full RB

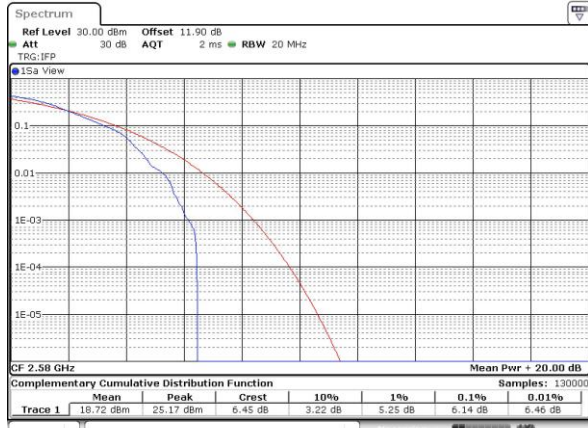


Date: 15 AUG 2018 21:59:34



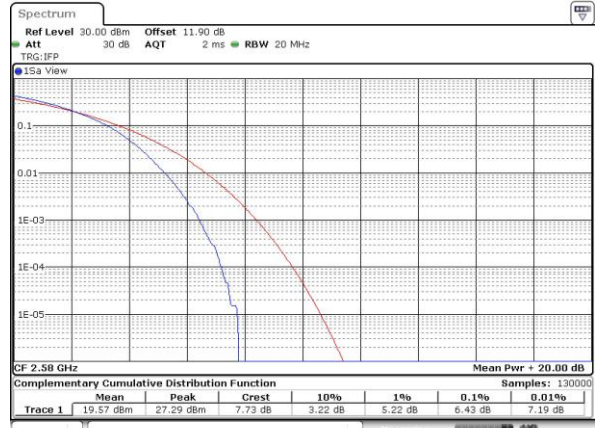
## LTE Band 38 / 20MHz / 64QAM

## Lowest Channel / 1RB



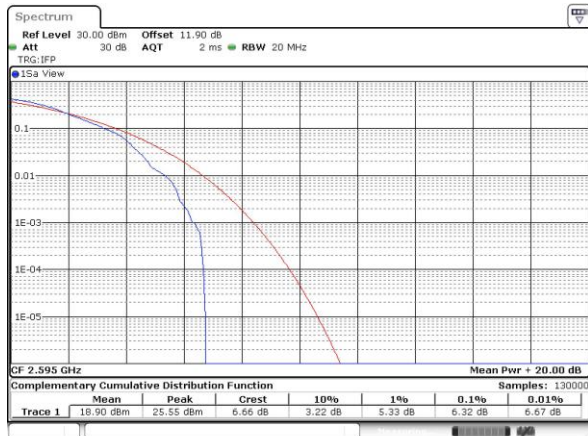
Date: 15 AUG 2018 21:55:13

## Lowest Channel / Full RB



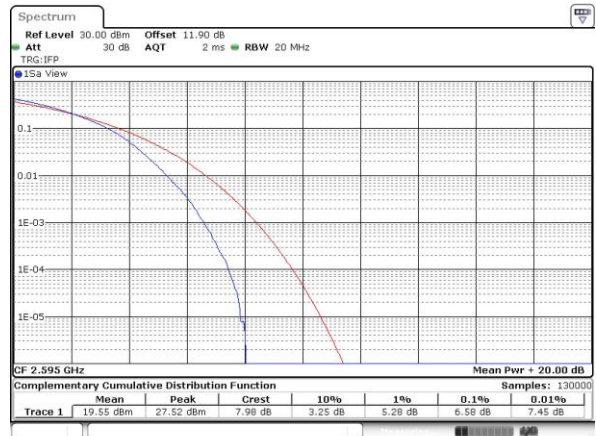
Date: 15 AUG 2018 21:55:29

## Middle Channel / 1RB



Date: 15 AUG 2018 21:55:47

## Middle Channel / Full RB



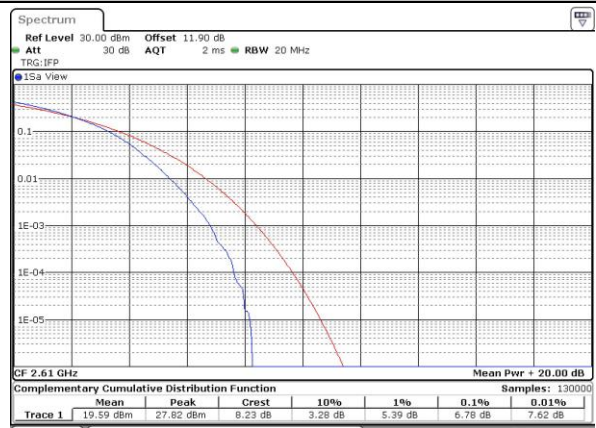
Date: 15 AUG 2018 21:56:02

## Highest Channel / 1RB



Date: 15 AUG 2018 21:56:21

## Highest Channel / Full RB



Date: 15 AUG 2018 21:56:36

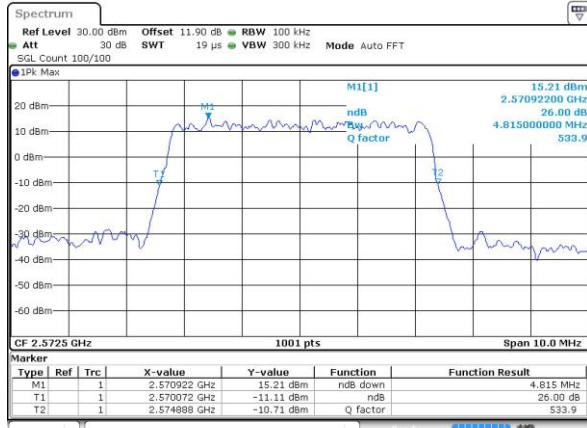
**26dB Bandwidth**

| Mode       | LTE Band 38 : 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  | -                          | -     | -     | -     | 4.82  | 4.87  | 9.63  | 9.75  | 14.21 | 14.57 | 20.06 | 20.10 |
| Middle CH  | -                          | -     | -     | -     | 4.80  | 4.82  | 9.71  | 9.69  | 14.27 | 14.21 | 20.14 | 20.14 |
| Highest CH | -                          | -     | -     | -     | 4.93  | 4.97  | 9.67  | 9.63  | 14.33 | 14.48 | 20.14 | 20.06 |
| Mode       | LTE Band 38 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 4.91  | -     | 9.81  | -     | 14.66 | -     | 20.10 | -     |
| Middle CH  | -                          | -     | -     | -     | 4.77  | -     | 9.67  | -     | 14.18 | -     | 20.18 | -     |
| Highest CH | -                          | -     | -     | -     | 4.85  | -     | 9.85  | -     | 14.42 | -     | 20.02 | -     |



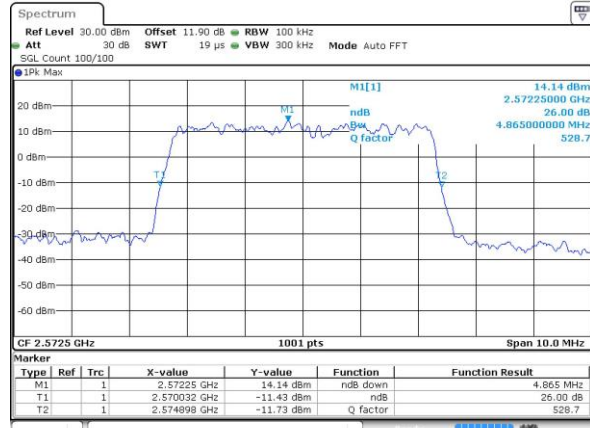
## LTE Band 38

## Lowest Channel / 5MHz / QPSK



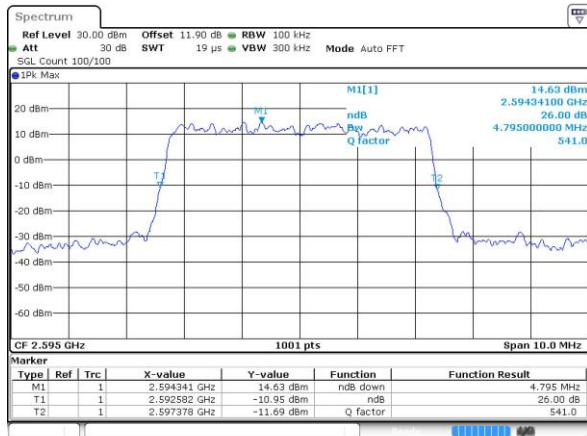
Date: 15 AUG 2018 21:41:45

## Lowest Channel / 5MHz / 16QAM



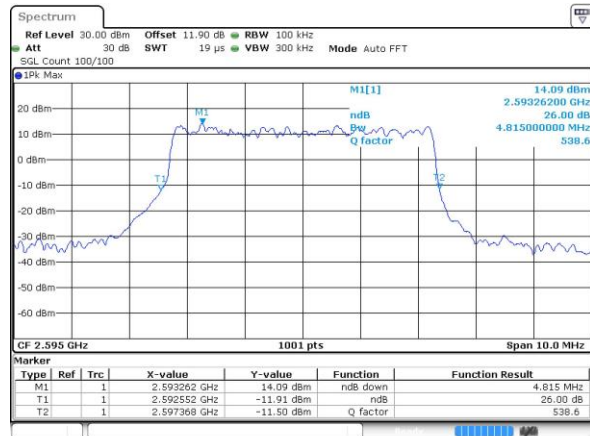
Date: 15 AUG 2018 21:41:56

## Middle Channel / 5MHz / QPSK



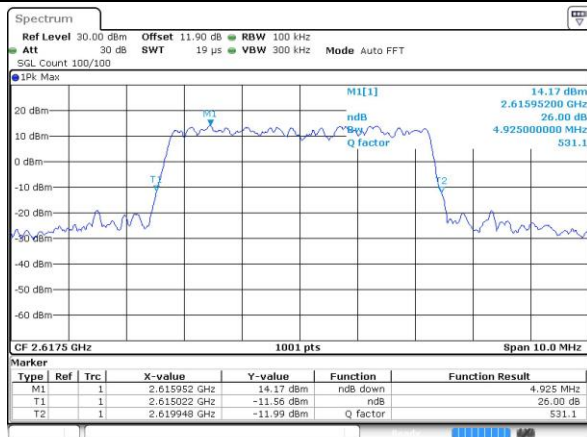
Date: 15 AUG 2018 21:42:30

## Middle Channel / 5MHz / 16QAM



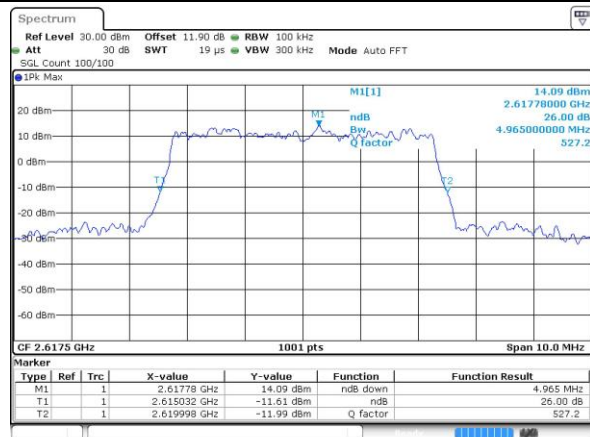
Date: 15 AUG 2018 21:42:42

## Highest Channel / 5MHz / QPSK



Date: 15 AUG 2018 21:43:16

## Highest Channel / 5MHz / 16QAM

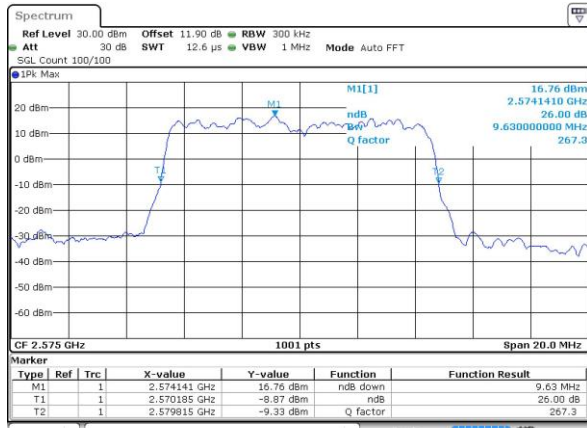


Date: 15 AUG 2018 21:43:27

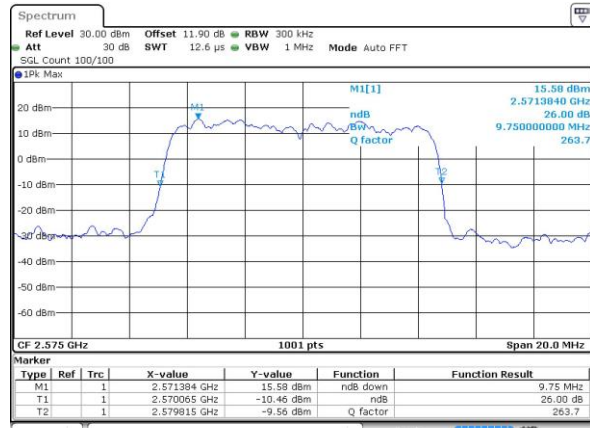


## LTE Band 38

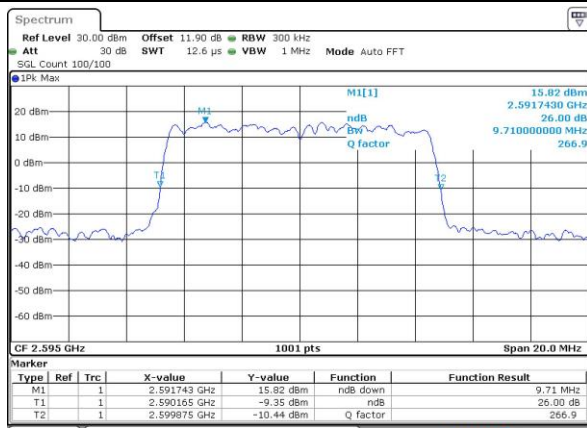
## Lowest Channel / 10MHz / QPSK



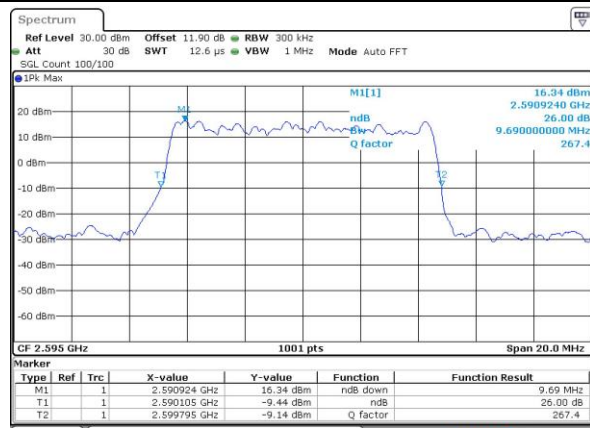
## Lowest Channel / 10MHz / 16QAM



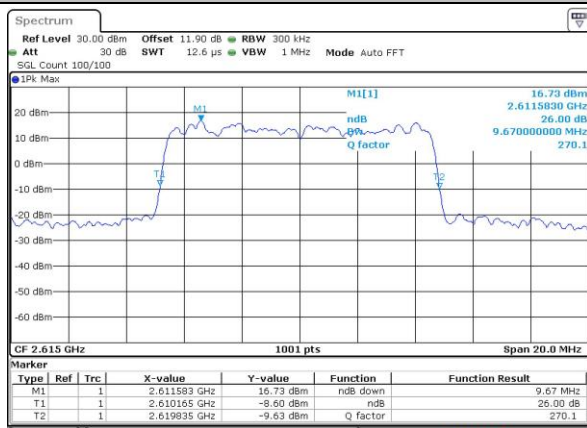
## Middle Channel / 10MHz / QPSK



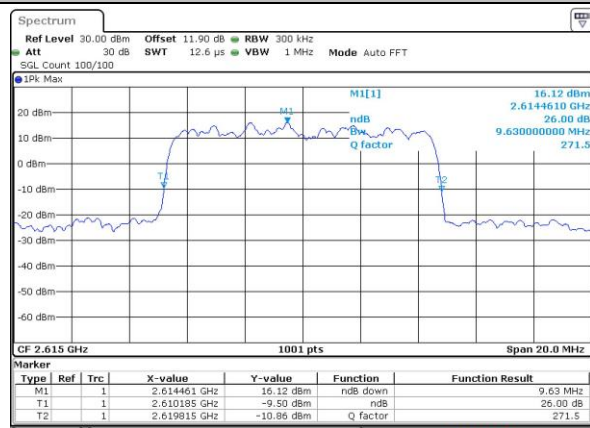
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



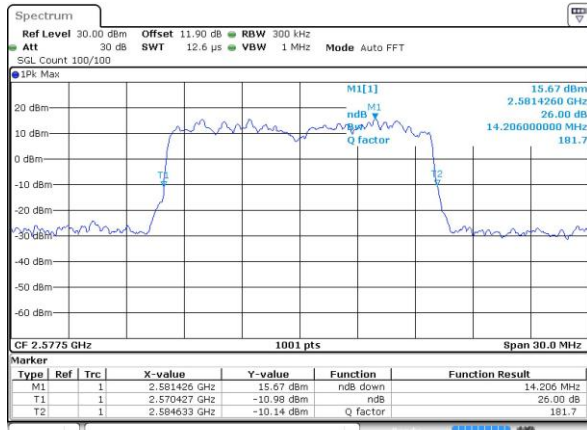
## Highest Channel / 10MHz / 16QAM





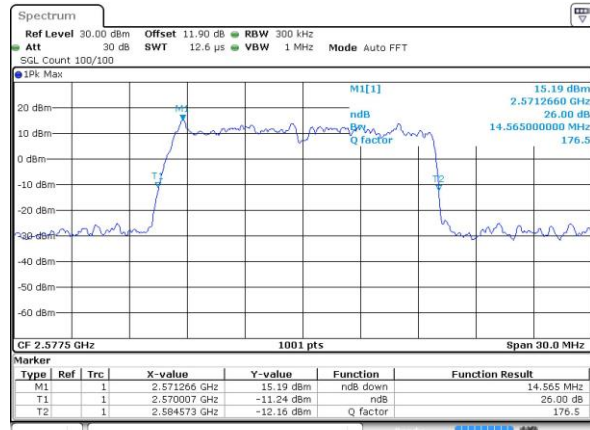
## LTE Band 38

## Lowest Channel / 15MHz / QPSK



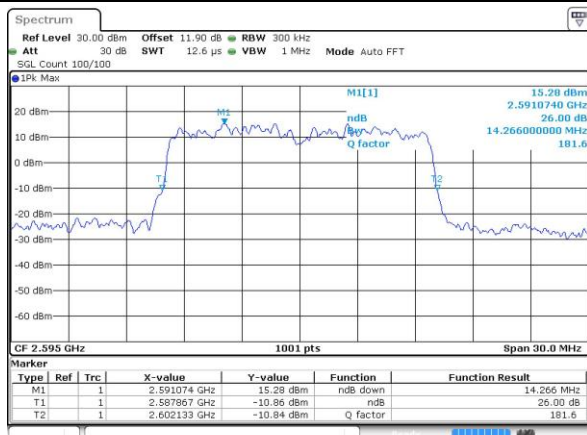
Date: 15 AUG 2018 21:46:17

## Lowest Channel / 15MHz / 16QAM



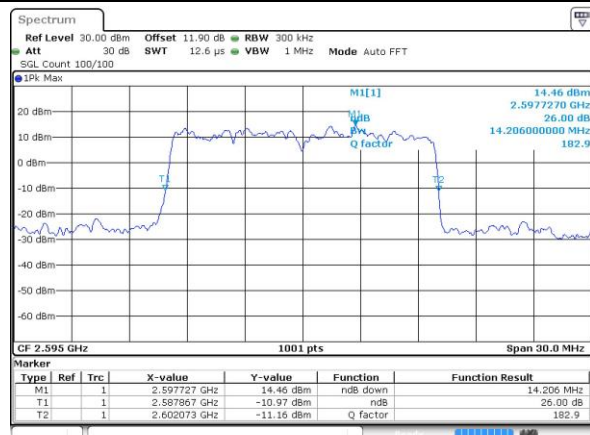
Date: 15 AUG 2018 21:46:29

## Middle Channel / 15MHz / QPSK



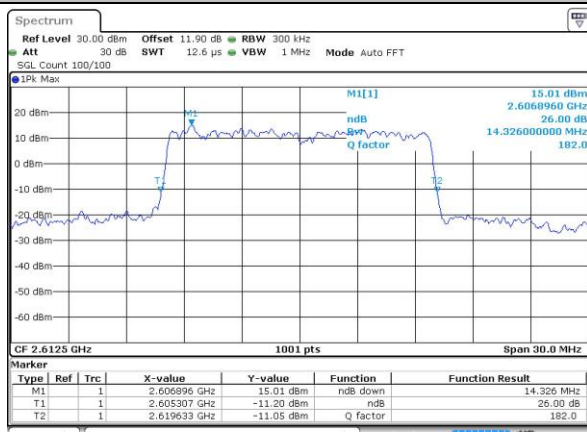
Date: 15 AUG 2018 21:47:03

## Middle Channel / 15MHz / 16QAM



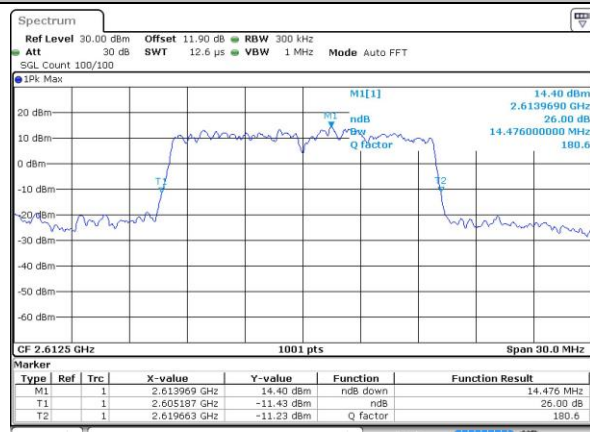
Date: 15 AUG 2018 21:47:14

## Highest Channel / 15MHz / QPSK



Date: 15 AUG 2018 21:47:48

## Highest Channel / 15MHz / 16QAM

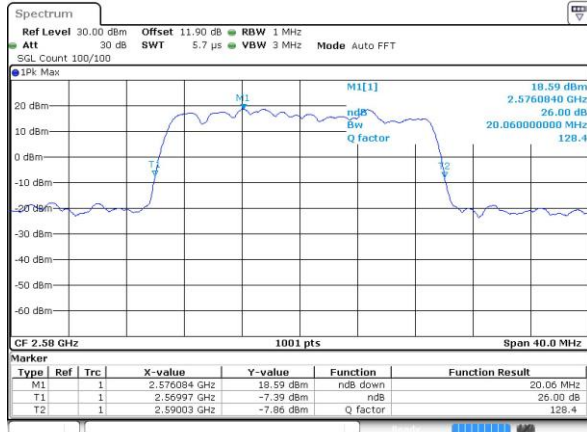


Date: 15 AUG 2018 21:47:59

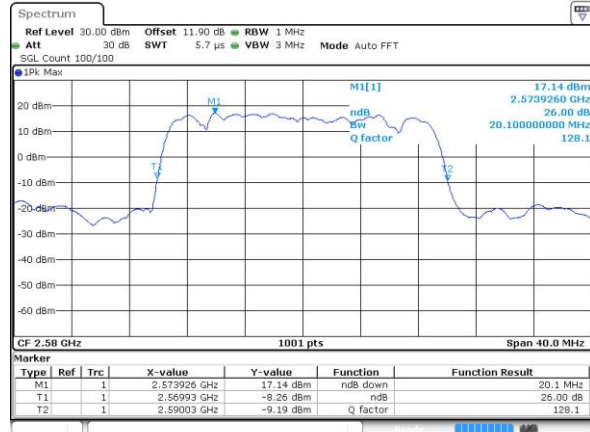


## LTE Band 38

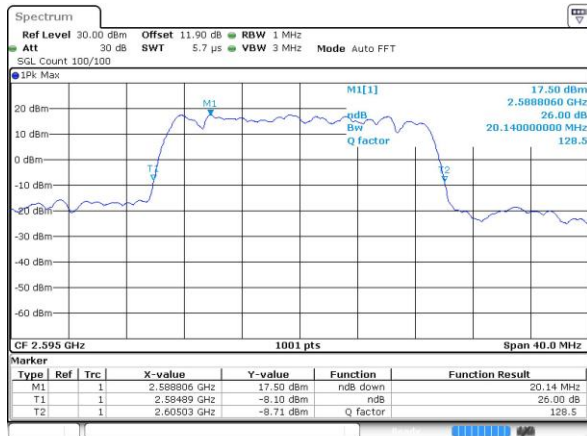
## Lowest Channel / 20MHz / QPSK



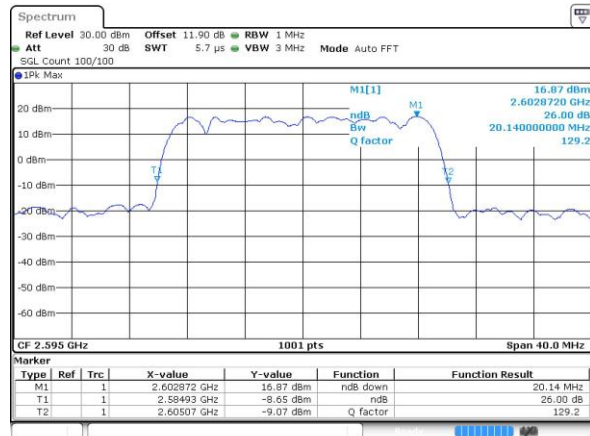
## Lowest Channel / 20MHz / 16QAM



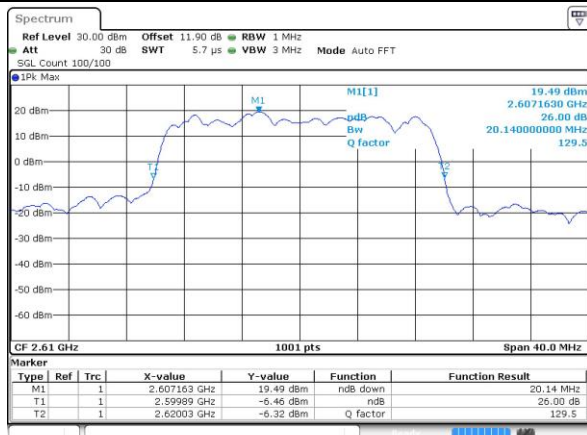
## Middle Channel / 20MHz / QPSK



## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



## Highest Channel / 20MHz / 16QAM

