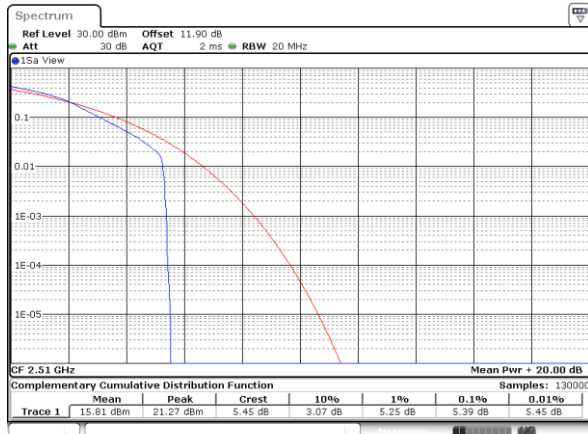


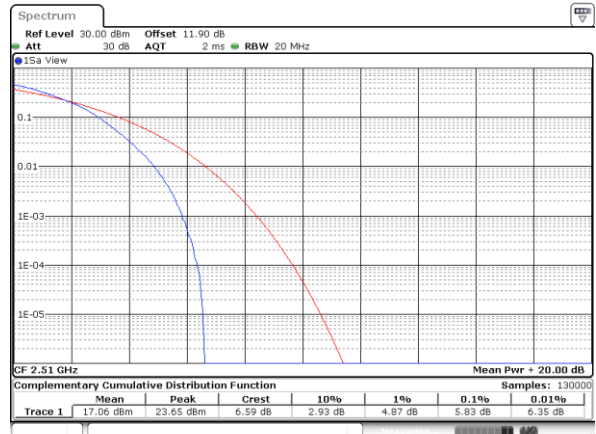
### LTE Band 7 / 20MHz / 16QAM

#### Lowest Channel / 1RB



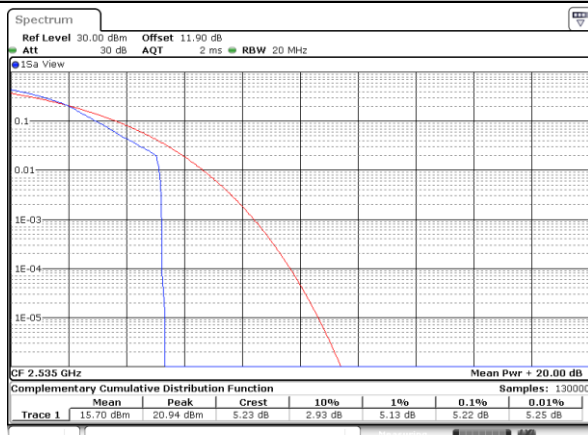
Date: 28 DEC 2019 13:05:30

#### Lowest Channel / Full RB



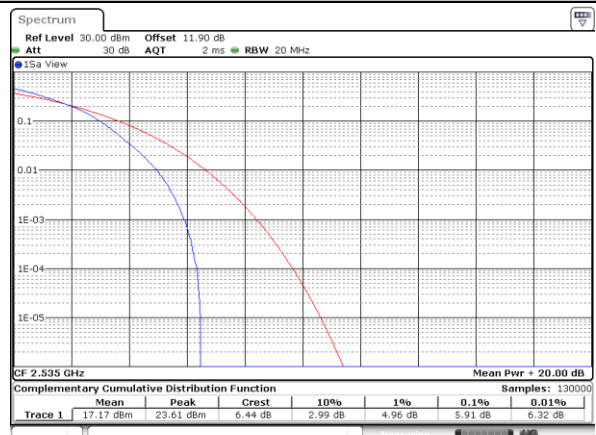
Date: 28 DEC 2019 13:05:43

#### Middle Channel / 1RB



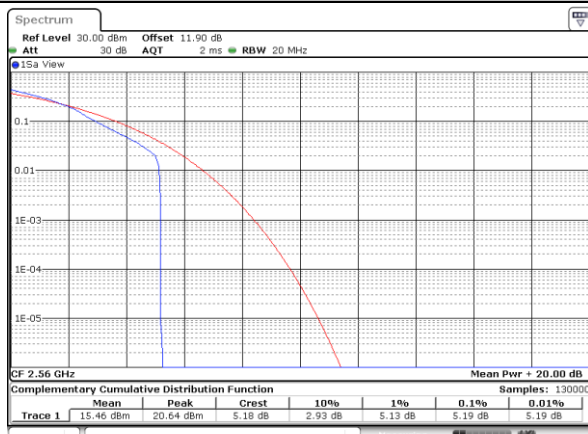
Date: 28 DEC 2019 13:05:54

#### Middle Channel / Full RB



Date: 28 DEC 2019 13:06:06

#### Highest Channel / 1RB



Date: 28 DEC 2019 13:06:17

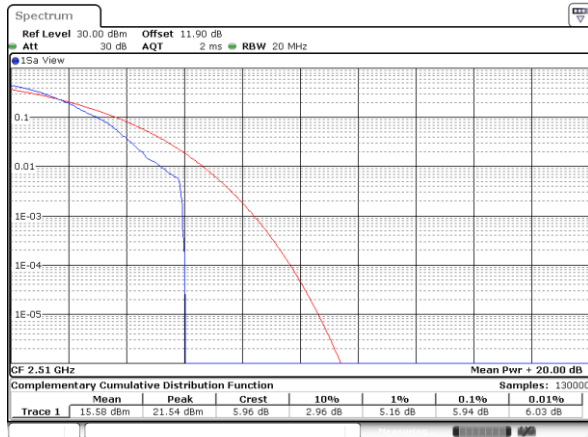
#### Highest Channel / Full RB



Date: 28 DEC 2019 13:06:29

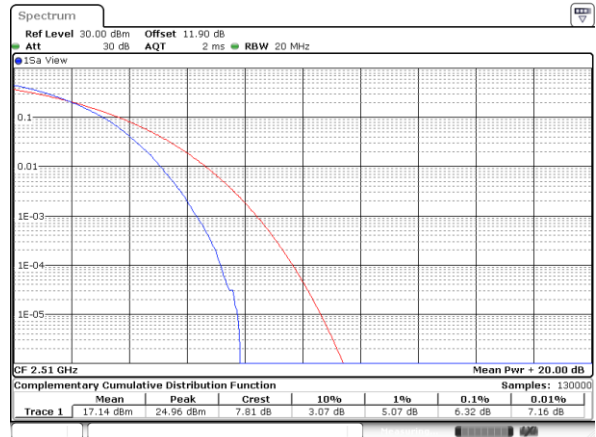
### LTE Band 7 / 20MHz / 64QAM

#### Lowest Channel / 1RB



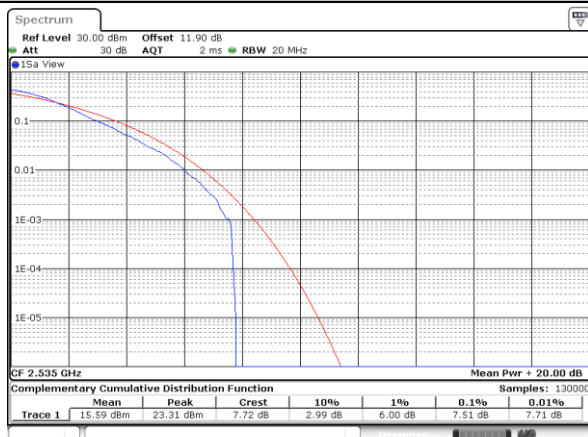
Date: 28 DEC 2019 13:07:51

#### Lowest Channel / Full RB



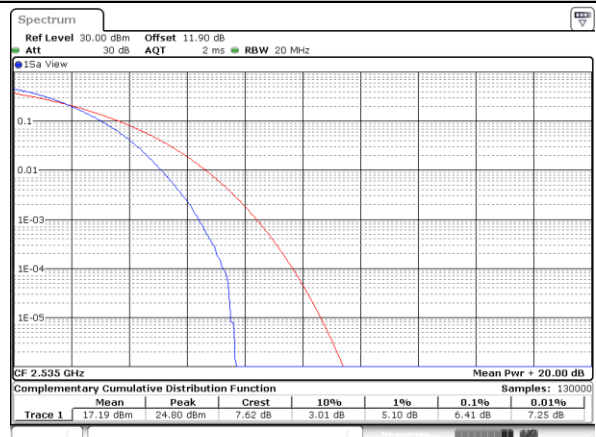
Date: 28 DEC 2019 13:08:02

#### Middle Channel / 1RB



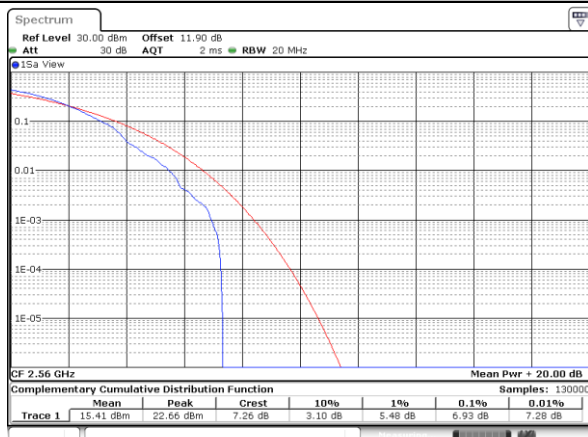
Date: 28 DEC 2019 13:08:14

#### Middle Channel / Full RB



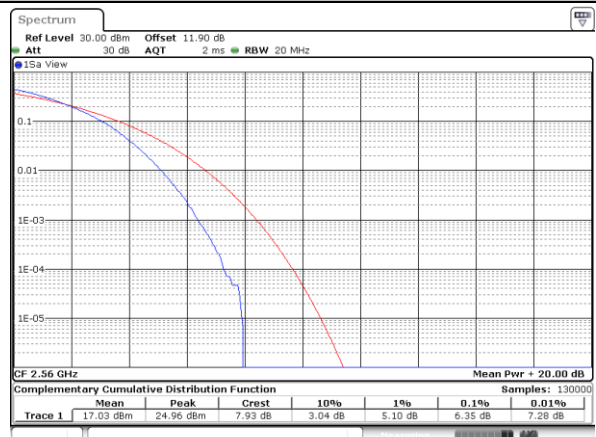
Date: 28 DEC 2019 13:08:24

#### Highest Channel / 1RB



Date: 28 DEC 2019 13:08:35

#### Highest Channel / Full RB



Date: 28 DEC 2019 13:08:47

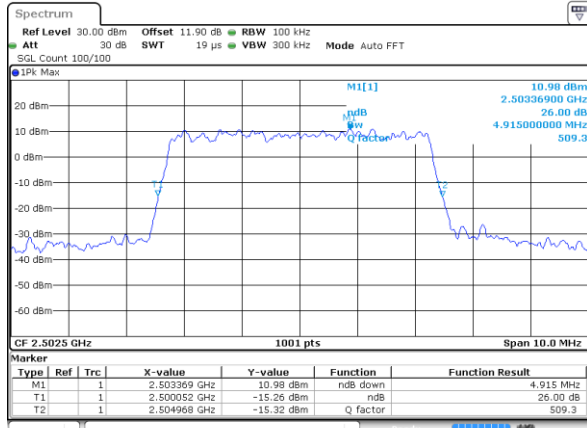
**26dB Bandwidth**

| Mode       | LTE Band 7 : 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  | -                         | -     | -     | -     | 4.92  | 4.88  | 9.71  | 9.71  | 14.51 | 14.15 | 19.02 | 18.94 |
| Middle CH  | -                         | -     | -     | -     | 4.90  | 4.91  | 9.87  | 9.81  | 14.39 | 14.36 | 18.98 | 18.86 |
| Highest CH | -                         | -     | -     | -     | 4.88  | 4.98  | 9.81  | 9.71  | 14.21 | 14.48 | 19.22 | 19.02 |
| Mode       | LTE Band 7 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                         | -     | -     | -     | 4.86  | -     | 9.73  | -     | 14.75 | -     | 19.14 | -     |
| Middle CH  | -                         | -     | -     | -     | 4.75  | -     | 9.77  | -     | 14.51 | -     | 18.94 | -     |
| Highest CH | -                         | -     | -     | -     | 4.93  | -     | 9.75  | -     | 14.30 | -     | 19.34 | -     |

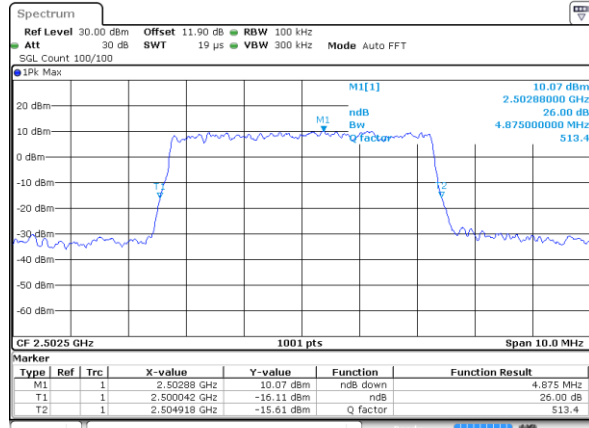


## LTE Band 7

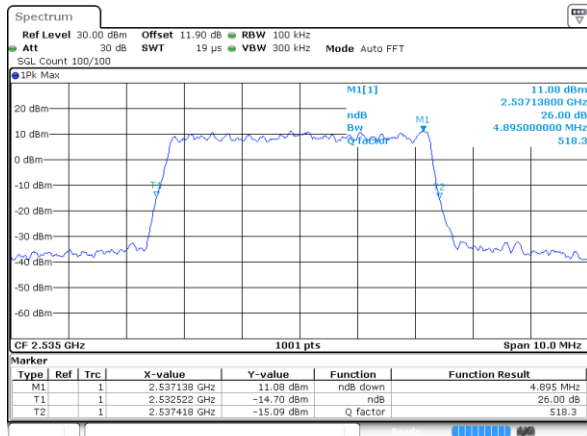
## Lowest Channel / 5MHz / QPSK



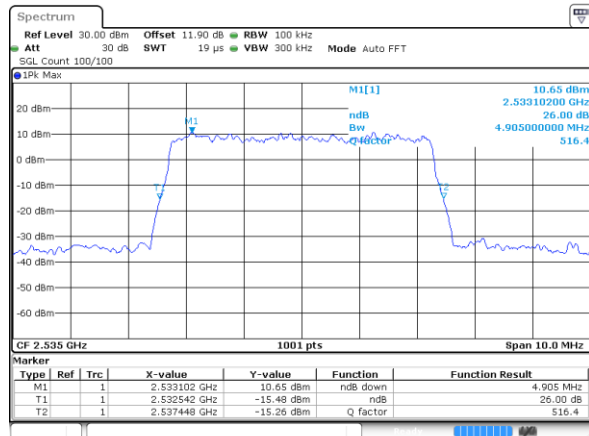
## Lowest Channel / 5MHz / 16QAM



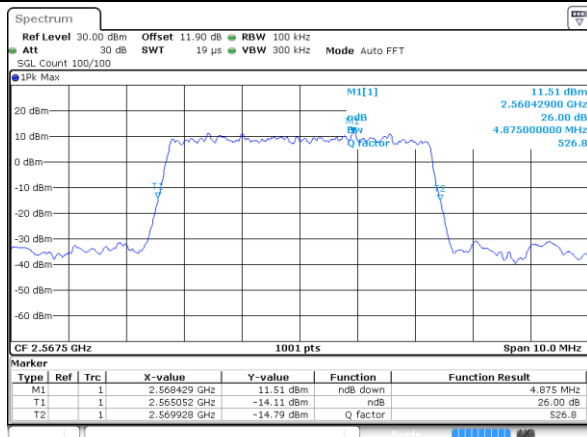
## Middle Channel / 5MHz / QPSK



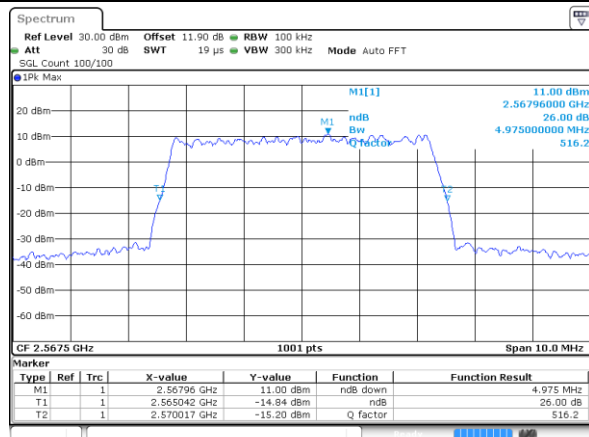
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



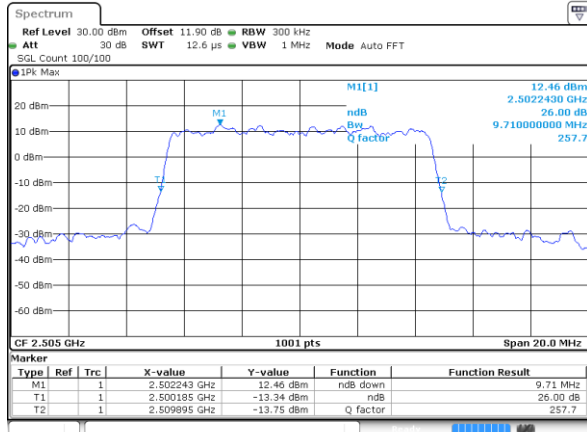
## Highest Channel / 5MHz / 16QAM





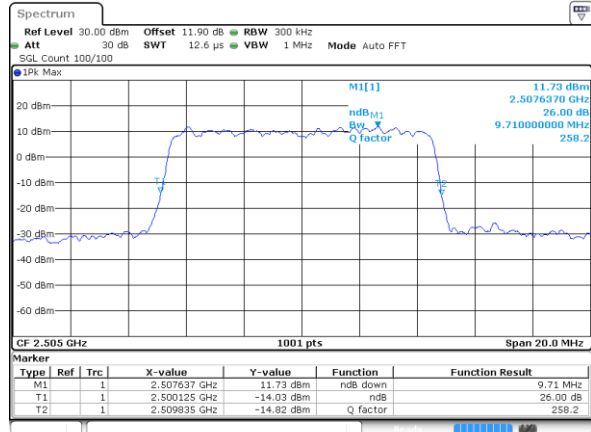
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



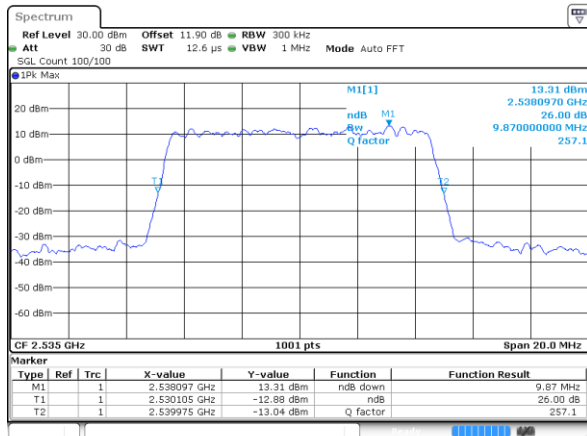
Date: 28 DEC 2019 10:48:07

## Lowest Channel / 10MHz / 16QAM



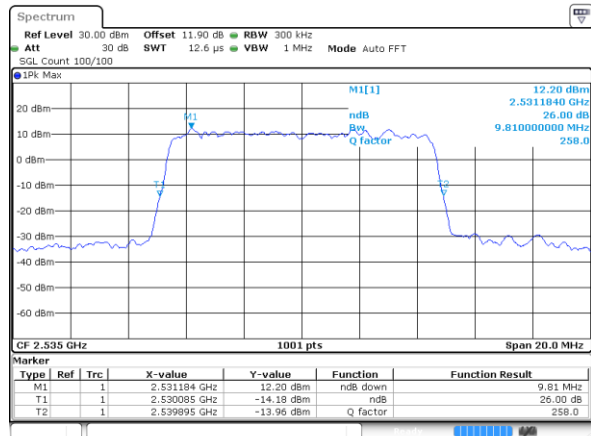
Date: 28 DEC 2019 10:48:19

## Middle Channel / 10MHz / QPSK



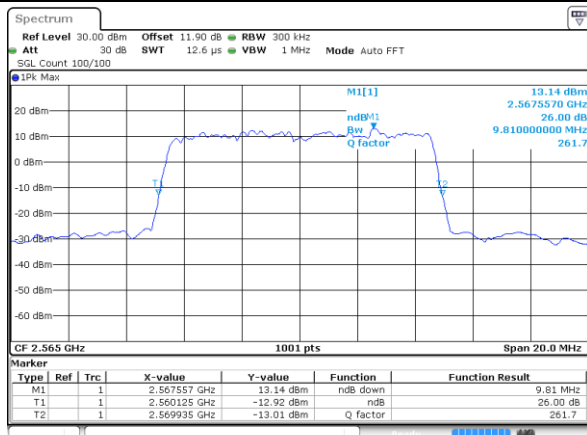
Date: 28 DEC 2019 10:58:19

## Middle Channel / 10MHz / 16QAM



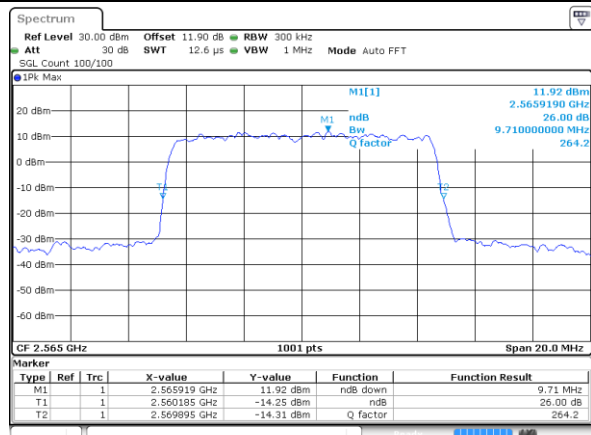
Date: 28 DEC 2019 10:58:31

## Highest Channel / 10MHz / QPSK



Date: 28 DEC 2019 10:59:06

## Highest Channel / 10MHz / 16QAM

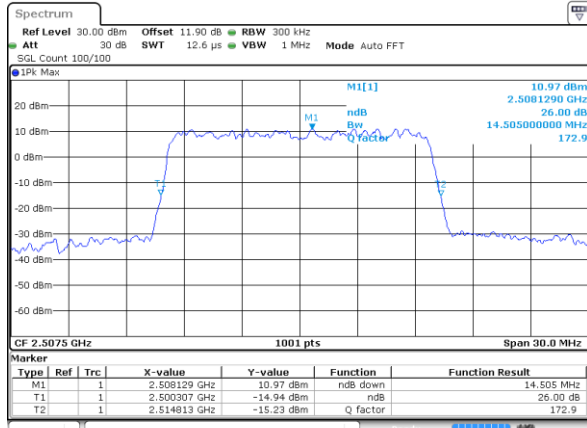


Date: 28 DEC 2019 10:59:18



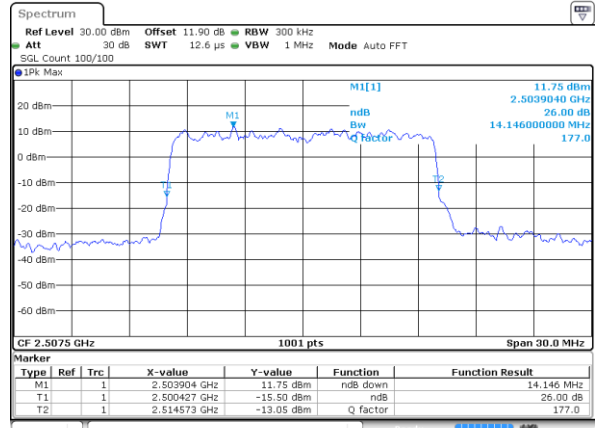
## LTE Band 7

## Lowest Channel / 15MHz / QPSK



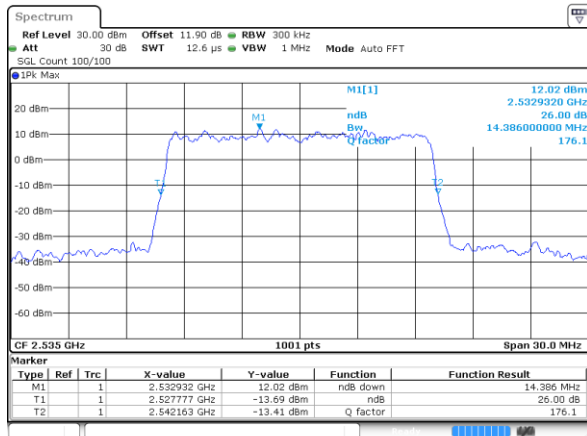
Date: 28 DEC 2019 11:23:03

## Lowest Channel / 15MHz / 16QAM



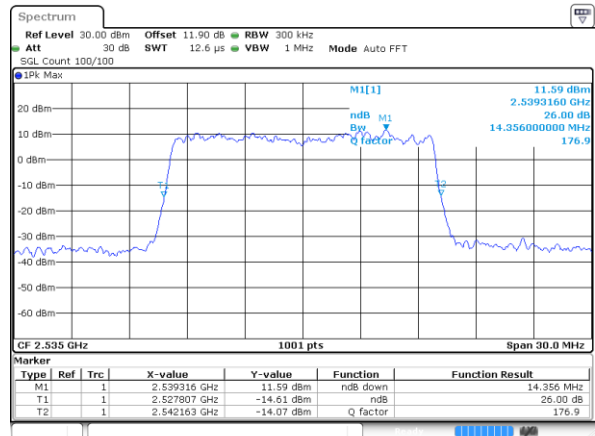
Date: 28 DEC 2019 11:23:15

## Middle Channel / 15MHz / QPSK



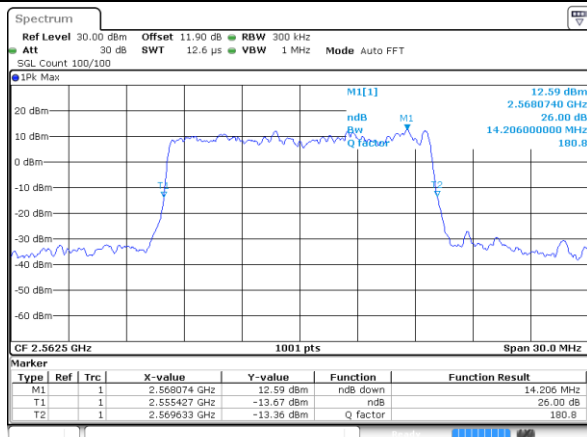
Date: 28 DEC 2019 11:31:17

## Middle Channel / 15MHz / 16QAM



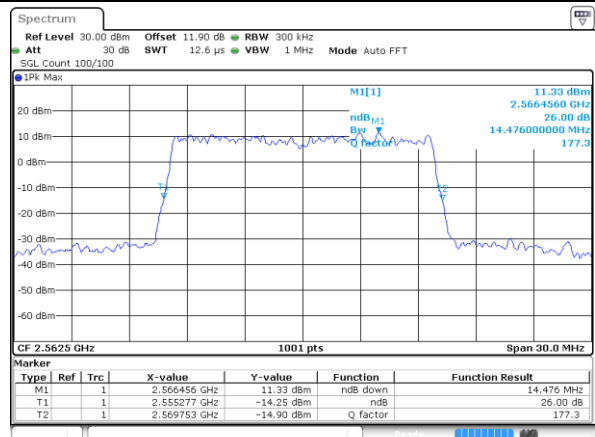
Date: 28 DEC 2019 11:31:28

## Highest Channel / 15MHz / QPSK



Date: 28 DEC 2019 11:34:03

## Highest Channel / 15MHz / 16QAM

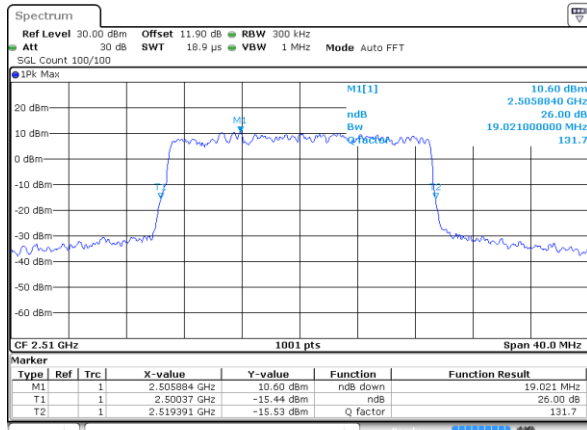


Date: 28 DEC 2019 11:34:15



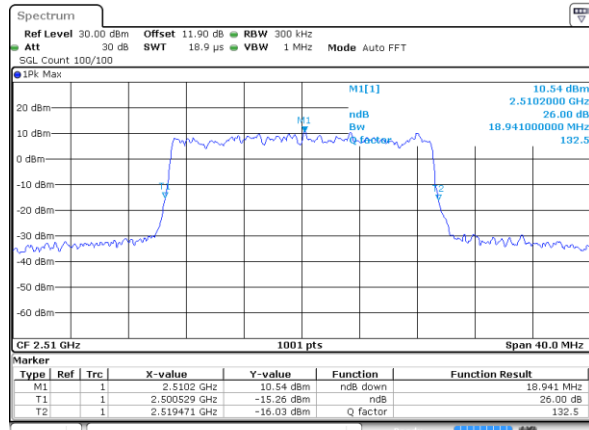
## LTE Band 7

## Lowest Channel / 20MHz / QPSK



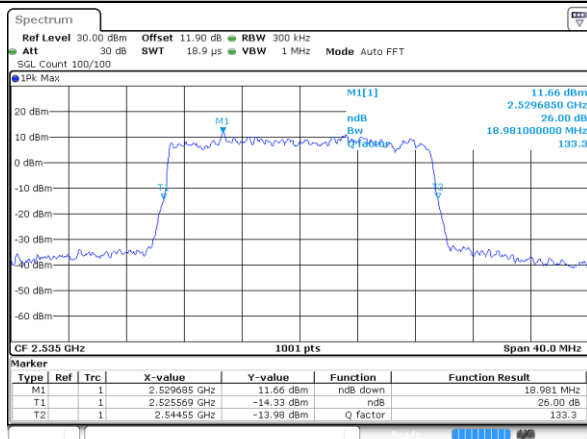
Date: 28 DEC 2019 11:51:55

## Lowest Channel / 20MHz / 16QAM



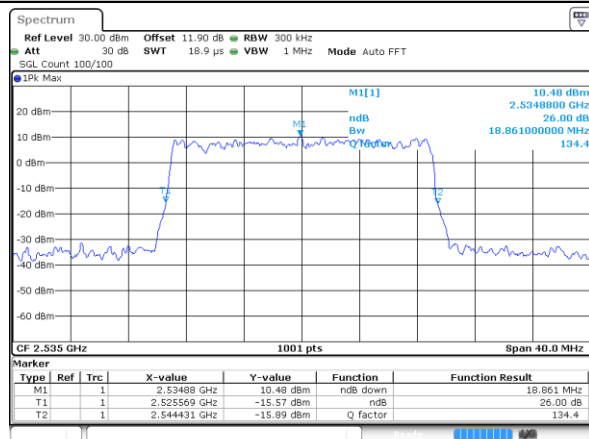
Date: 28 DEC 2019 11:52:07

## Middle Channel / 20MHz / QPSK



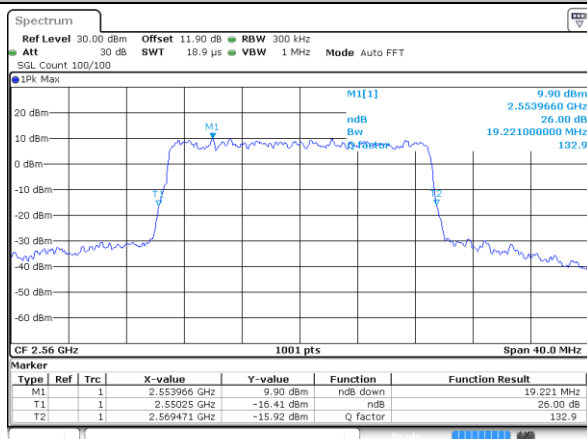
Date: 28 DEC 2019 12:00:08

## Middle Channel / 20MHz / 16QAM



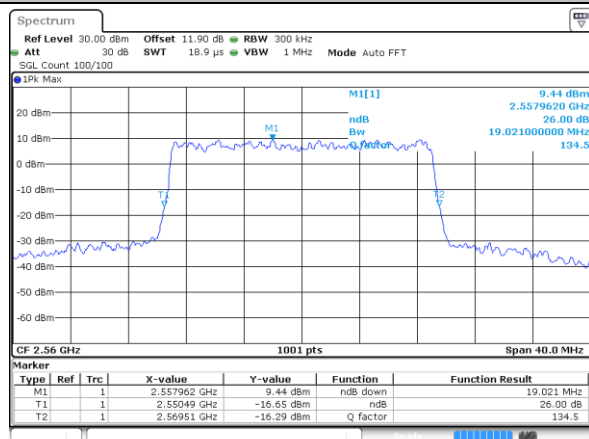
Date: 28 DEC 2019 12:00:20

## Highest Channel / 20MHz / QPSK



Date: 28 DEC 2019 12:02:55

## Highest Channel / 20MHz / 16QAM

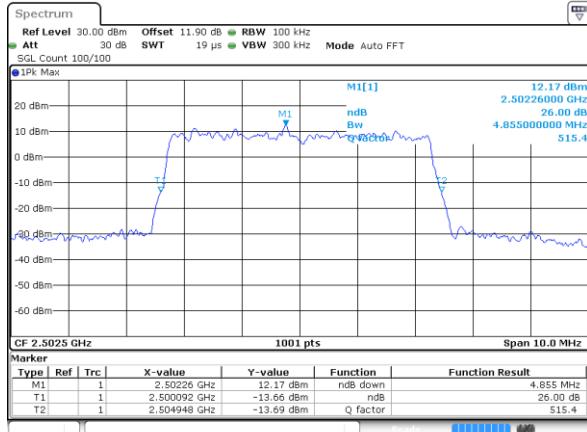


Date: 28 DEC 2019 12:03:07



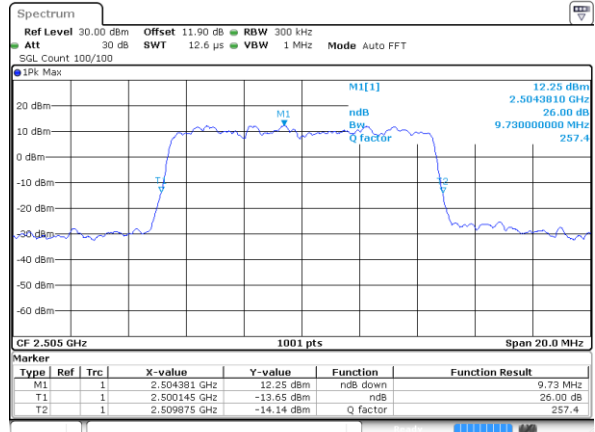
## LTE Band 7

## Lowest Channel / 5MHz / 64QAM



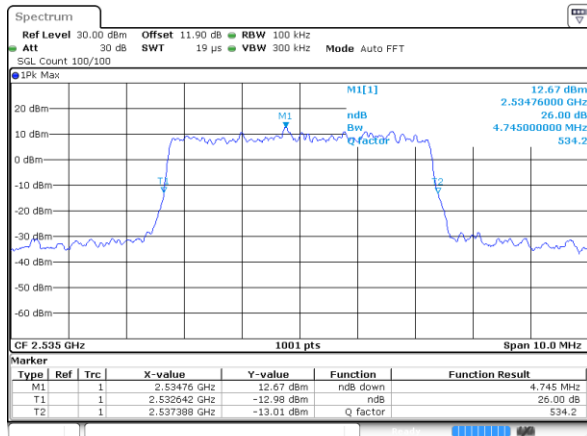
Date: 28 DEC 2019 10:38:17

## Lowest Channel / 10MHz / 64QAM



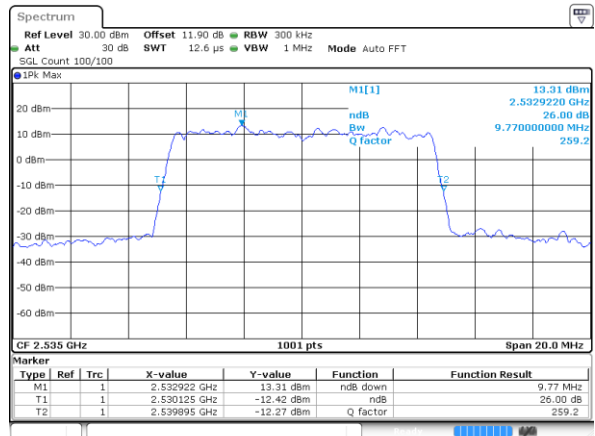
Date: 28 DEC 2019 11:07:08

## Middle Channel / 5MHz / 64QAM



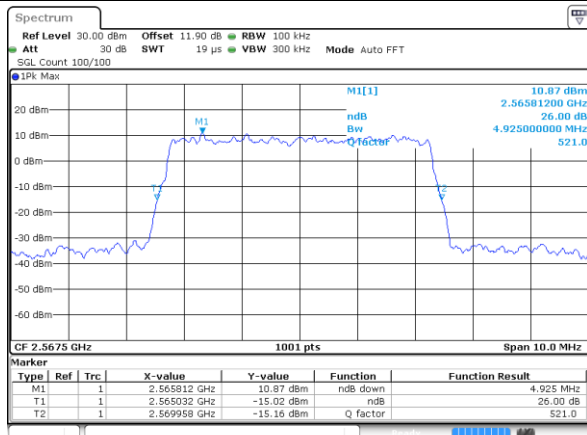
Date: 28 DEC 2019 10:42:24

## Middle Channel / 10MHz / 64QAM



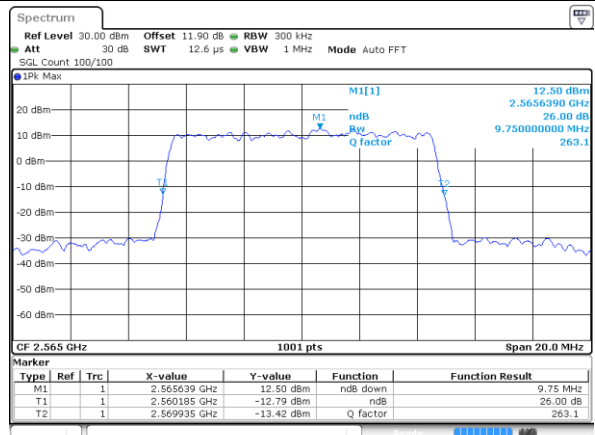
Date: 28 DEC 2019 11:11:14

## Highest Channel / 5MHz / 64QAM



Date: 28 DEC 2019 10:43:47

## Highest Channel / 10MHz / 64QAM

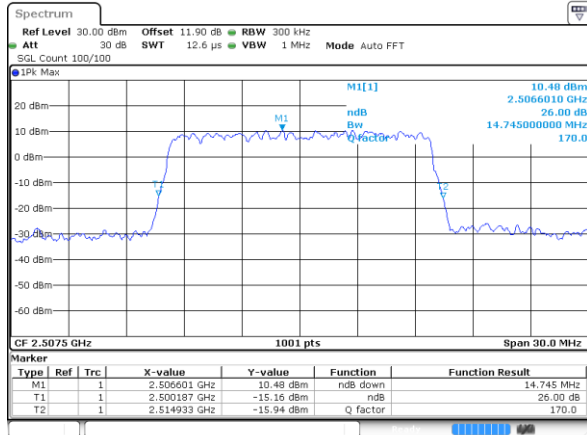


Date: 28 DEC 2019 11:18:43



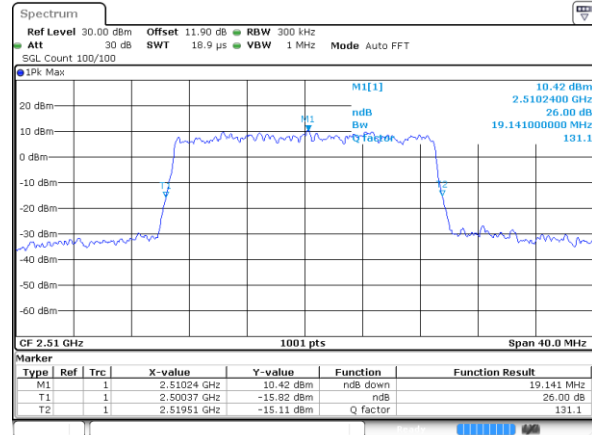
## LTE Band 7

## Lowest Channel / 15MHz / 64QAM



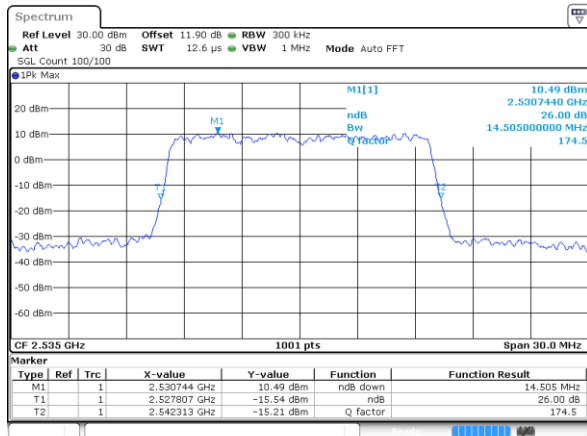
Date: 28 DEC 2019 11:42:05

## Lowest Channel / 20MHz / 64QAM



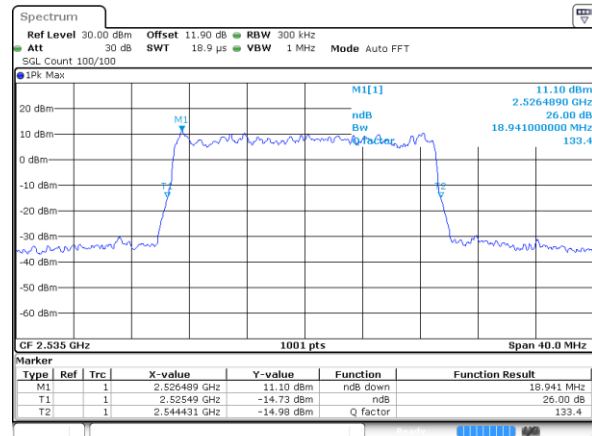
Date: 28 DEC 2019 12:10:57

## Middle Channel / 15MHz / 64QAM



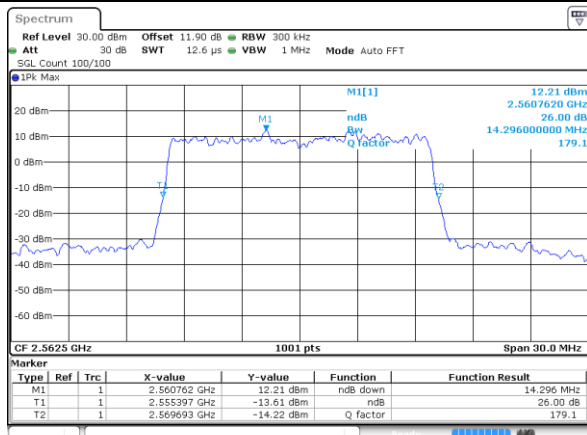
Date: 28 DEC 2019 11:46:12

## Middle Channel / 20MHz / 64QAM



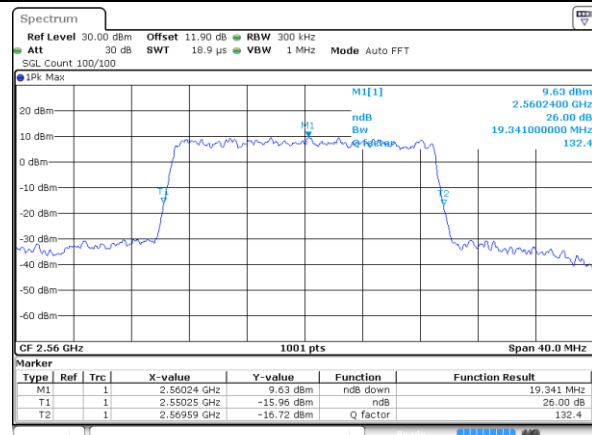
Date: 28 DEC 2019 12:15:03

## Highest Channel / 15MHz / 64QAM



Date: 28 DEC 2019 11:47:35

## Highest Channel / 20MHz / 64QAM



Date: 28 DEC 2019 12:16:27

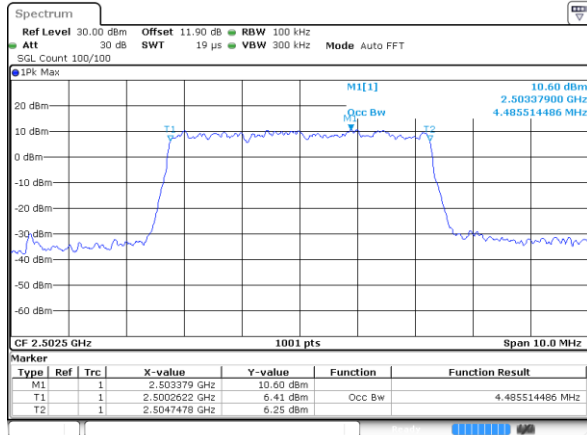
**Occupied Bandwidth**

| Mode       | LTE Band 7 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                        | -     | -     | -     | 4.49  | 4.49  | 9.05  | 9.01  | 13.46 | 13.46 | 17.78 | 17.78 |
| Middle CH  | -                        | -     | -     | -     | 4.48  | 4.49  | 9.03  | 8.97  | 13.40 | 13.49 | 17.90 | 17.86 |
| Highest CH | -                        | -     | -     | -     | 4.51  | 4.51  | 9.03  | 9.01  | 13.40 | 13.46 | 18.02 | 17.98 |
| Mode       | LTE Band 7 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                   |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                    |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                        | -     | -     | -     | 4.49  | -     | 9.01  | -     | 13.37 | -     | 17.82 | -     |
| Middle CH  | -                        | -     | -     | -     | 4.50  | -     | 8.99  | -     | 13.40 | -     | 17.90 | -     |
| Highest CH | -                        | -     | -     | -     | 4.50  | -     | 9.07  | -     | 13.40 | -     | 17.86 | -     |



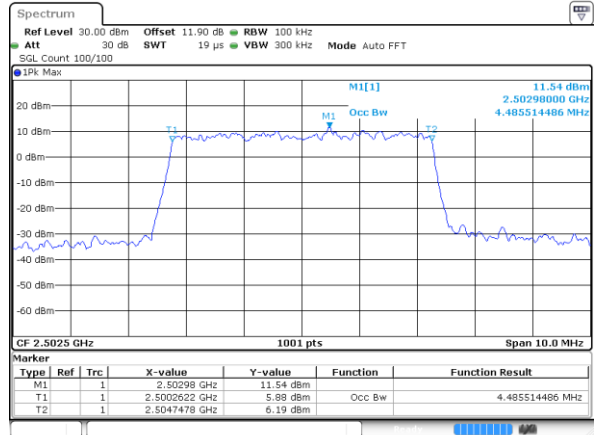
## LTE Band 7

## Lowest Channel / 5MHz / QPSK



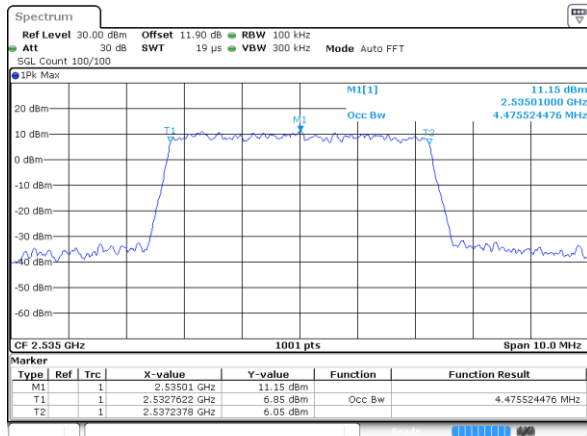
Date: 28 DEC 2019 10:18:51

## Lowest Channel / 5MHz / 16QAM



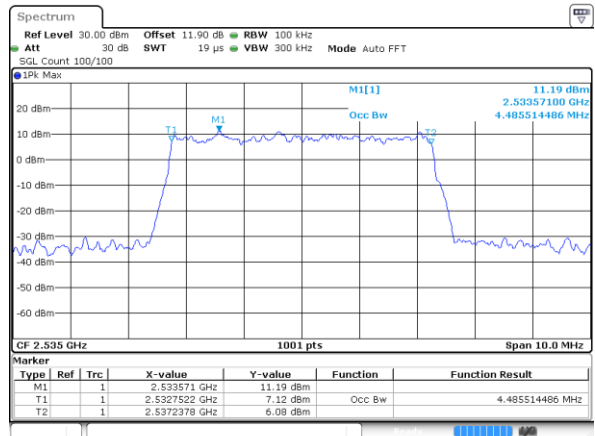
Date: 28 DEC 2019 10:19:03

## Middle Channel / 5MHz / QPSK



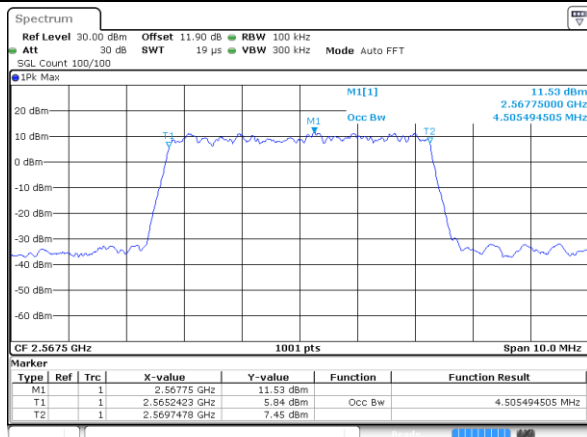
Date: 28 DEC 2019 10:27:06

## Middle Channel / 5MHz / 16QAM



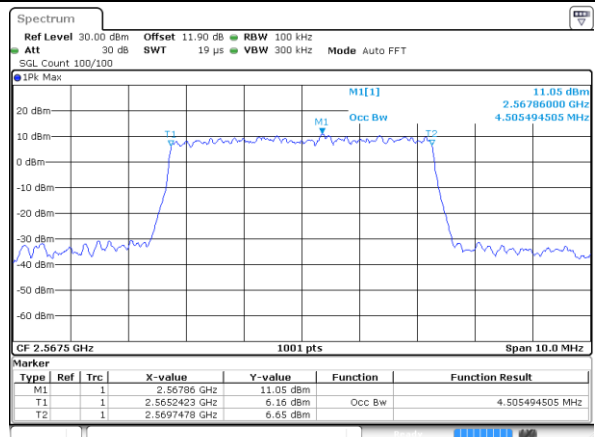
Date: 28 DEC 2019 10:27:17

## Highest Channel / 5MHz / QPSK



Date: 28 DEC 2019 10:29:51

## Highest Channel / 5MHz / 16QAM

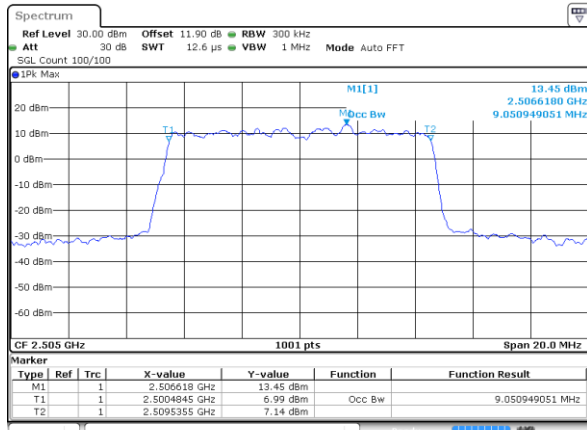


Date: 28 DEC 2019 10:30:03



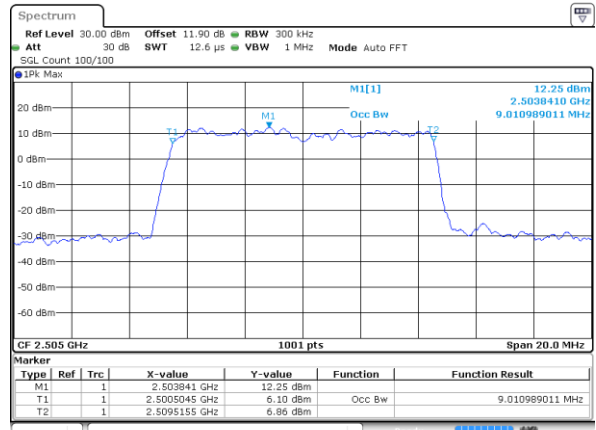
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



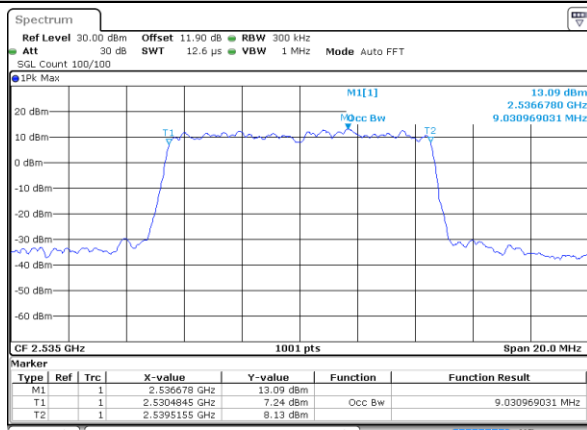
Date: 28 DEC 2019 10:47:43

## Lowest Channel / 10MHz / 16QAM



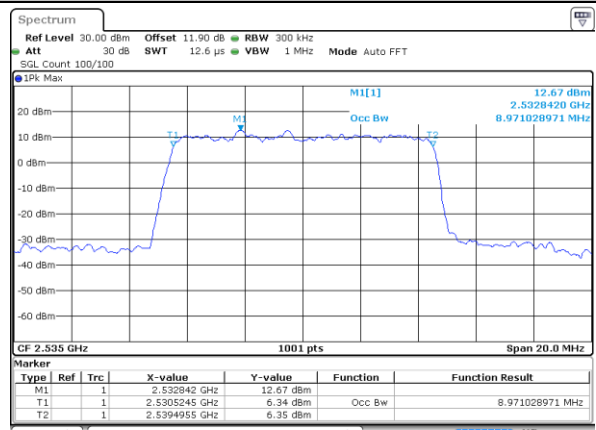
Date: 28 DEC 2019 10:47:55

## Middle Channel / 10MHz / QPSK



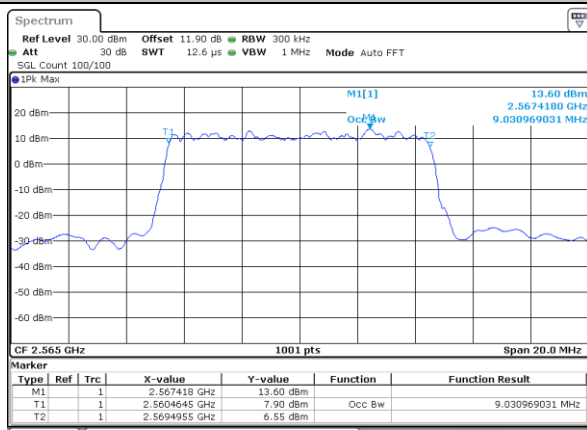
Date: 28 DEC 2019 10:55:56

## Middle Channel / 10MHz / 16QAM



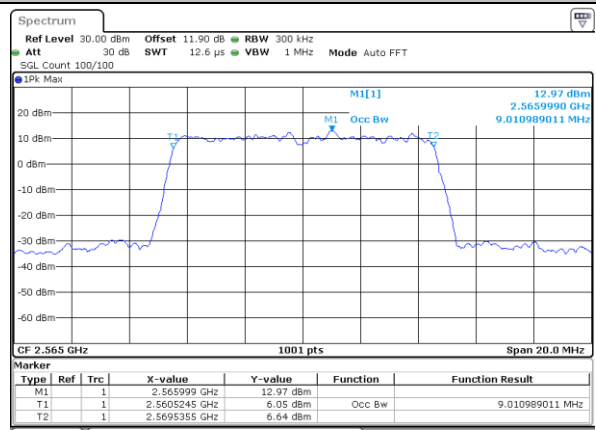
Date: 28 DEC 2019 10:56:08

## Highest Channel / 10MHz / QPSK



Date: 28 DEC 2019 10:58:42

## Highest Channel / 10MHz / 16QAM

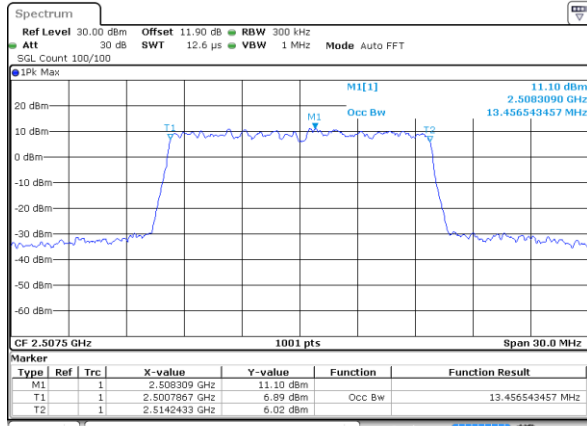


Date: 28 DEC 2019 10:58:54

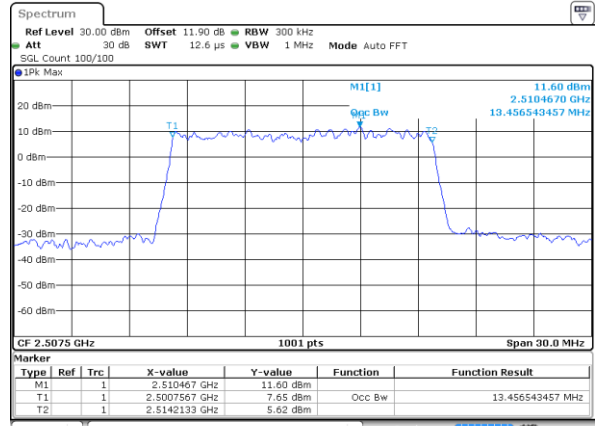


## LTE Band 7

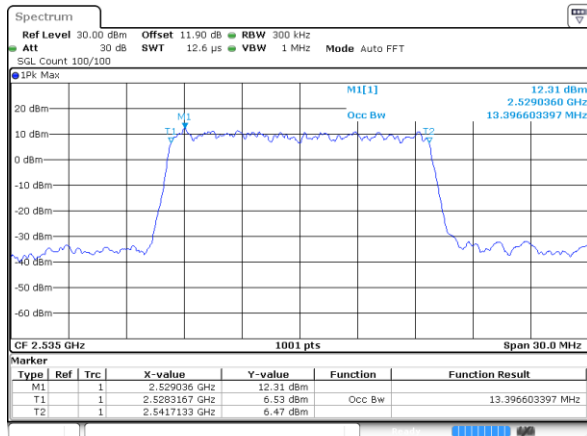
## Lowest Channel / 15MHz / QPSK



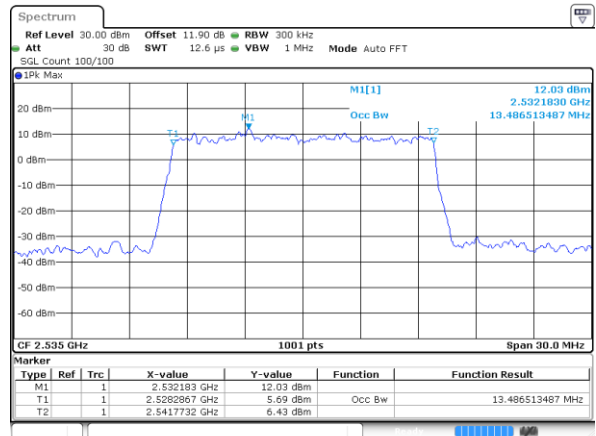
## Lowest Channel / 15MHz / 16QAM



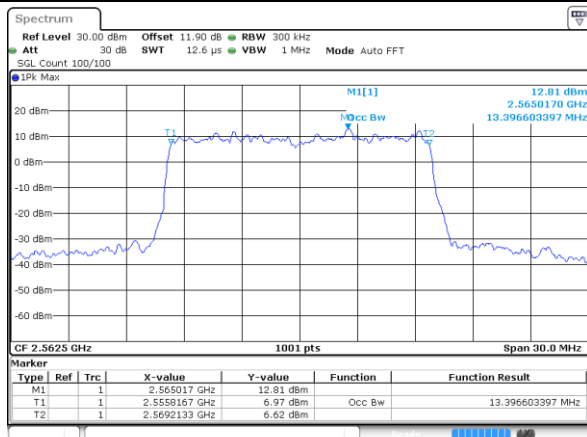
## Middle Channel / 15MHz / QPSK



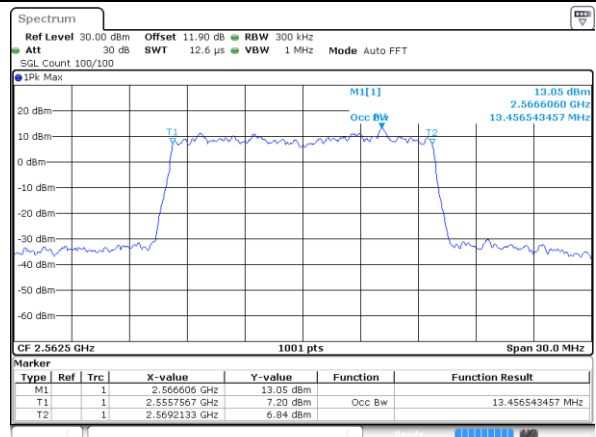
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



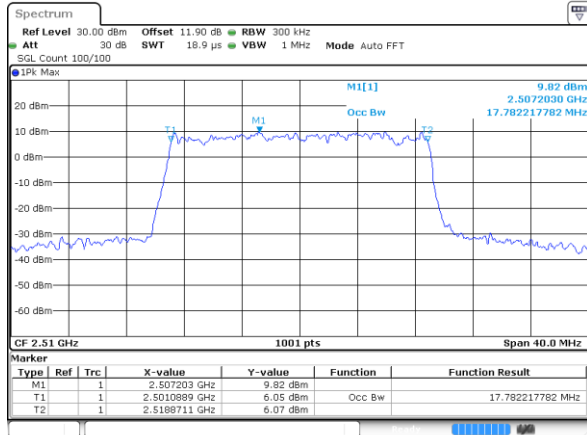
## Highest Channel / 15MHz / 16QAM



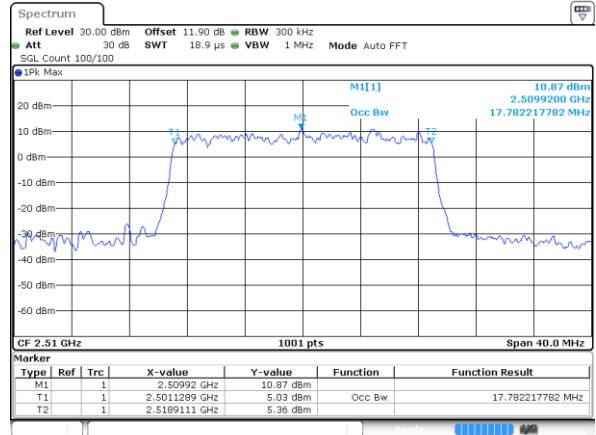


## LTE Band 7

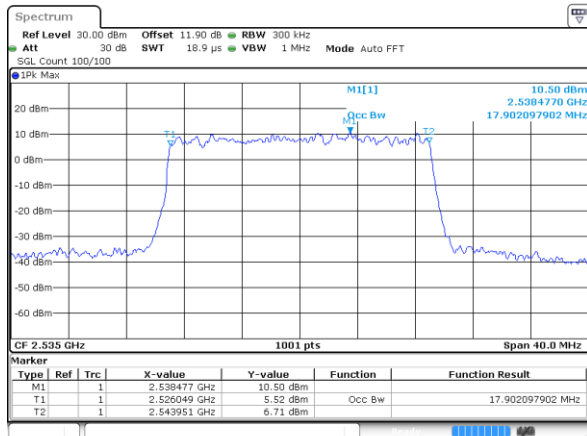
## Lowest Channel / 20MHz / QPSK



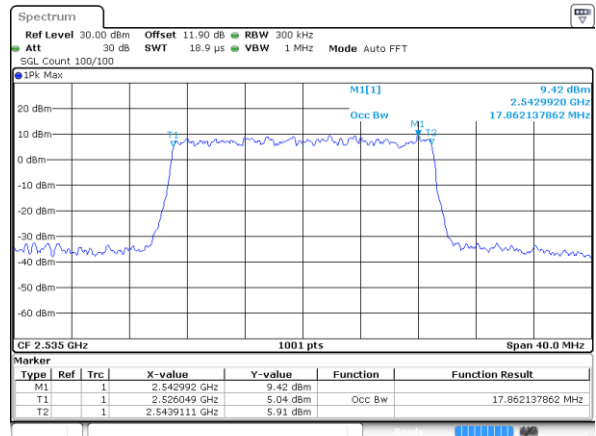
## Lowest Channel / 20MHz / 16QAM



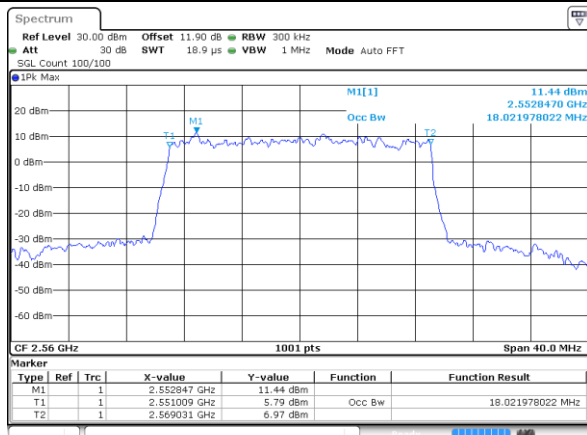
## Middle Channel / 20MHz / QPSK



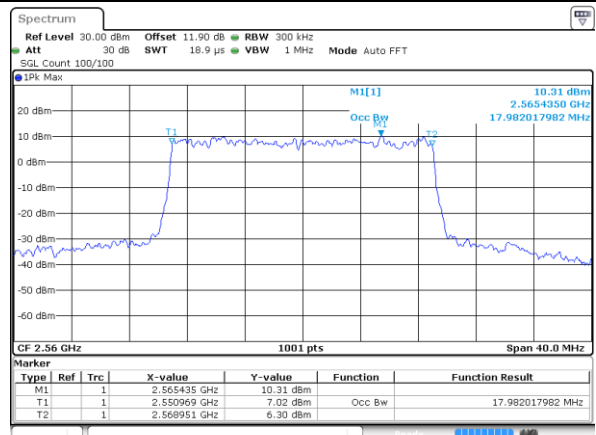
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



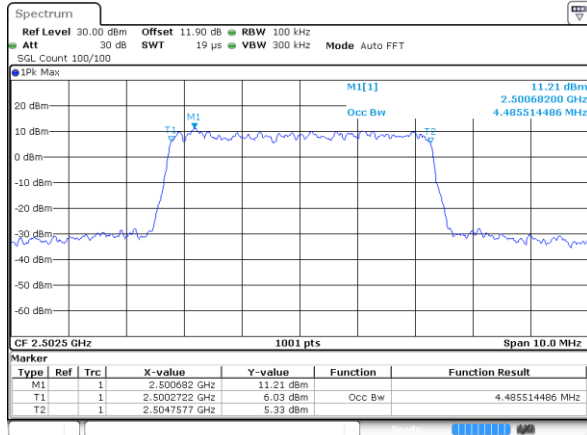
## Highest Channel / 20MHz / 16QAM



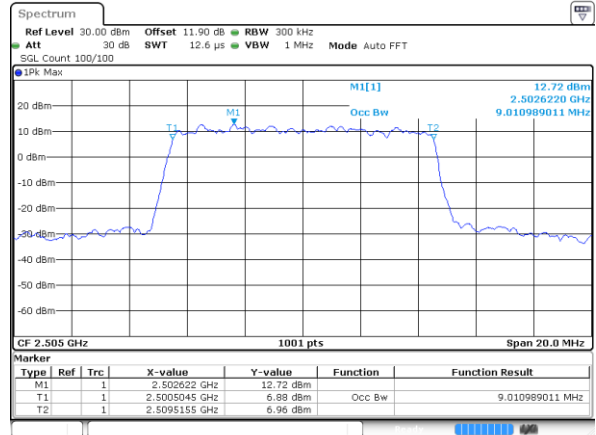


## LTE Band 7

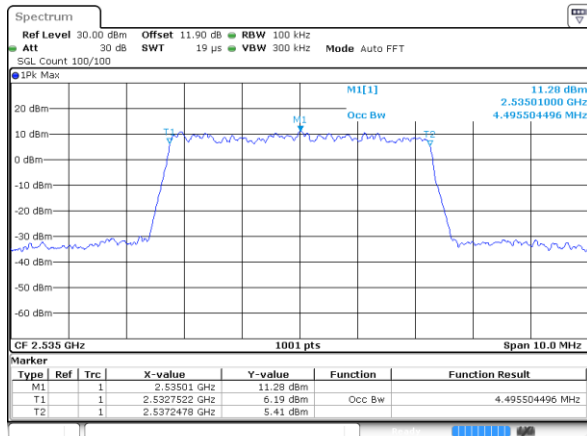
## Lowest Channel / 5MHz / 64QAM



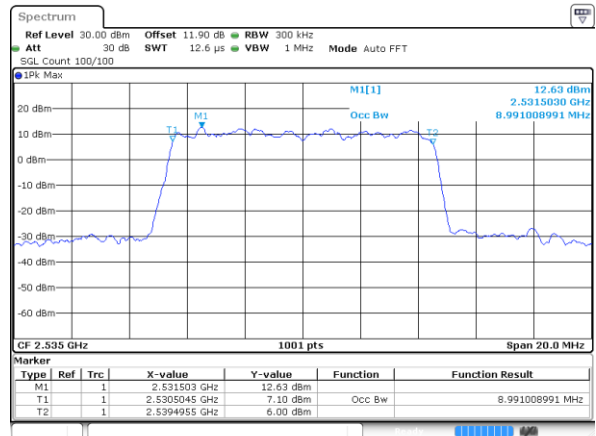
## Lowest Channel / 10MHz / 64QAM



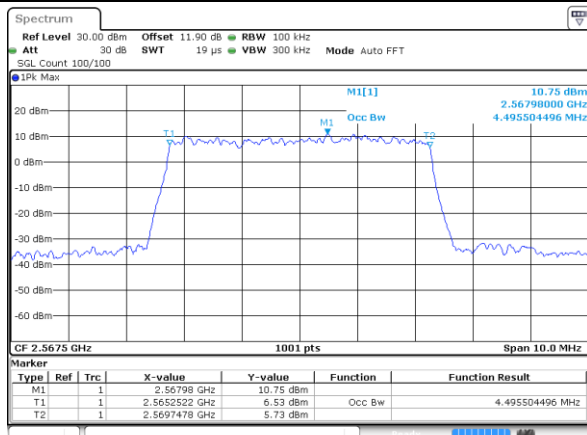
## Middle Channel / 5MHz / 64QAM



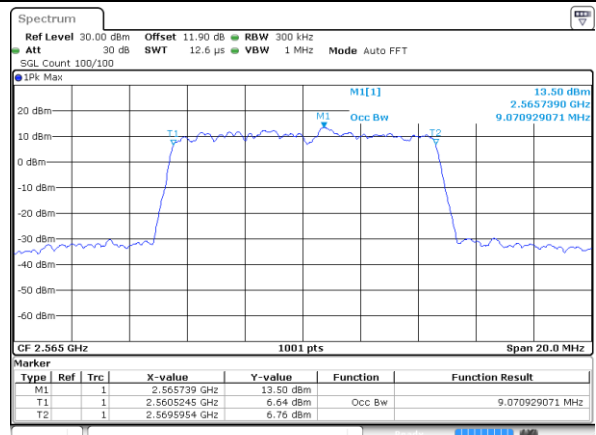
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



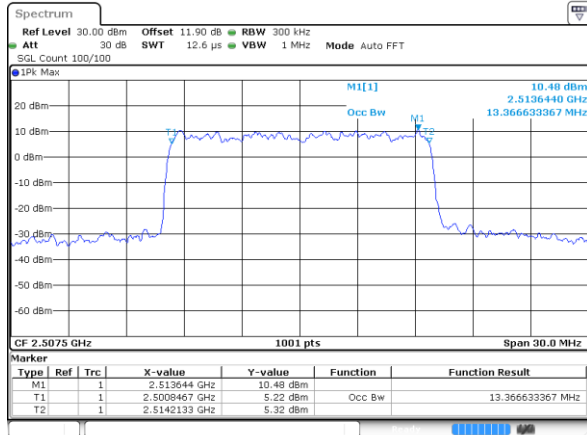
## Highest Channel / 10MHz / 64QAM



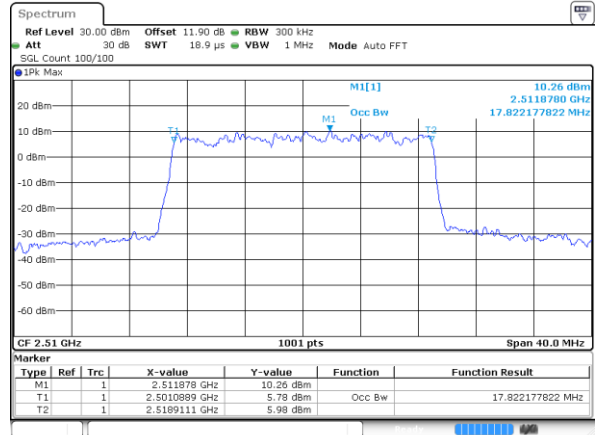


## LTE Band 7

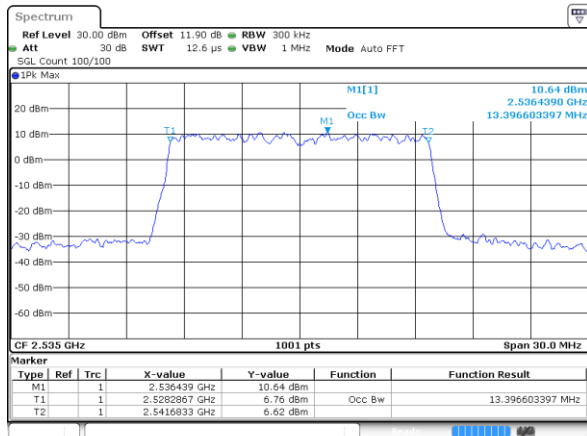
## Lowest Channel / 15MHz / 64QAM



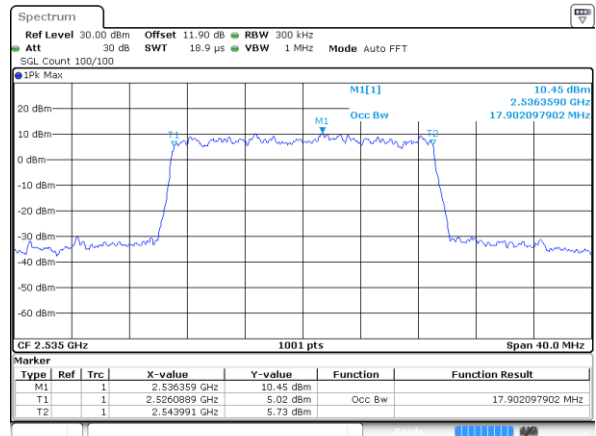
## Lowest Channel / 20MHz / 64QAM



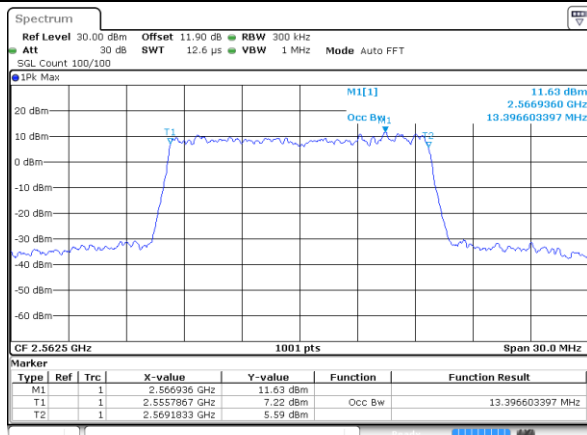
## Middle Channel / 15MHz / 64QAM



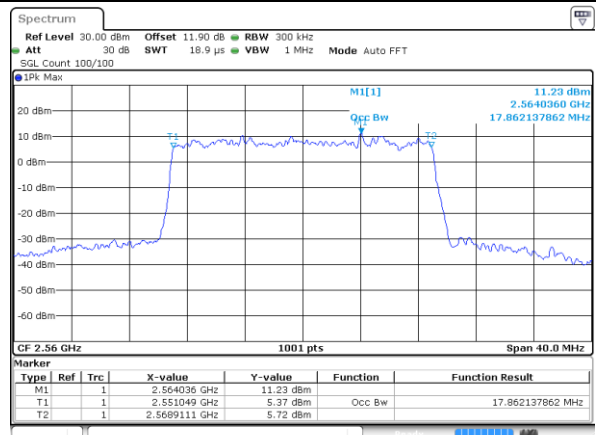
## Middle Channel / 20MHz / 64QAM

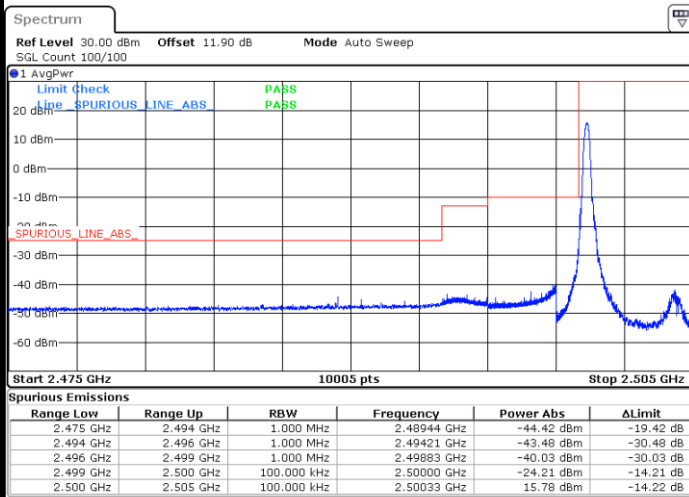
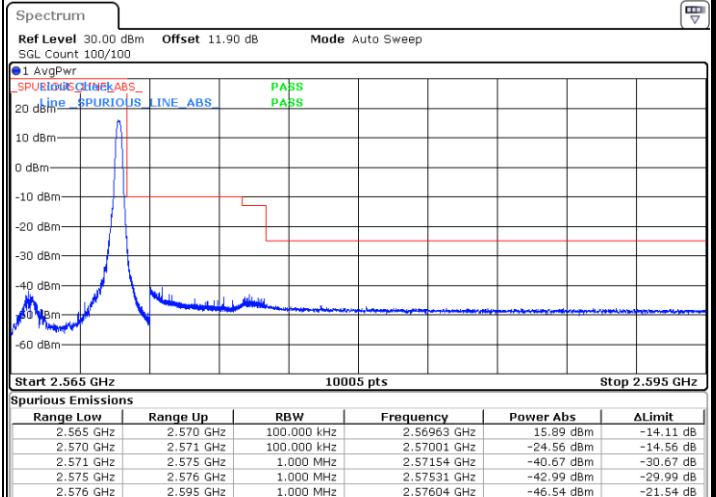
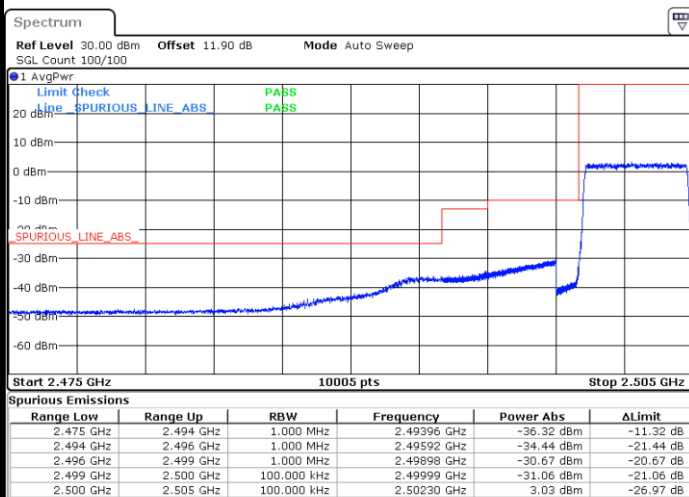
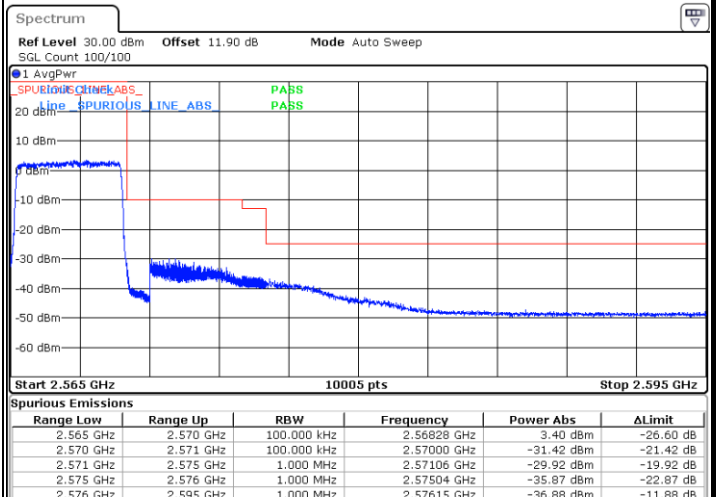


## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM

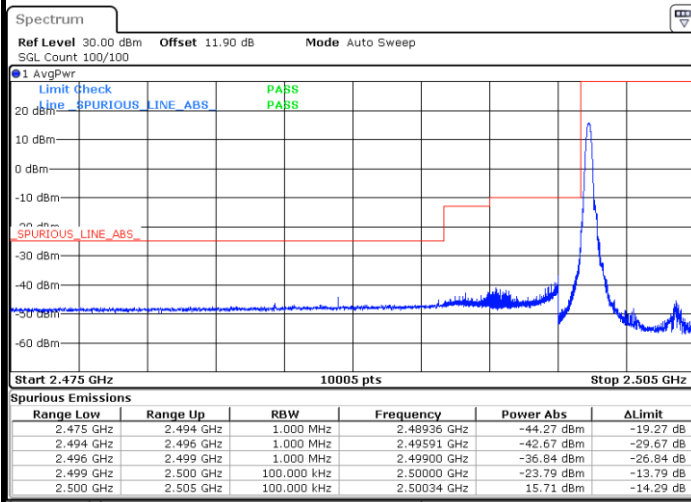


**Conducted Band Edge****LTE Band 7 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

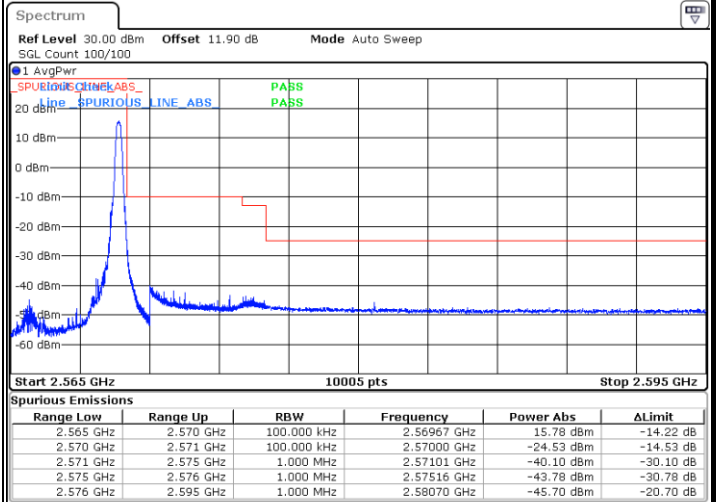


## LTE Band 7 / 5MHz / 16QAM

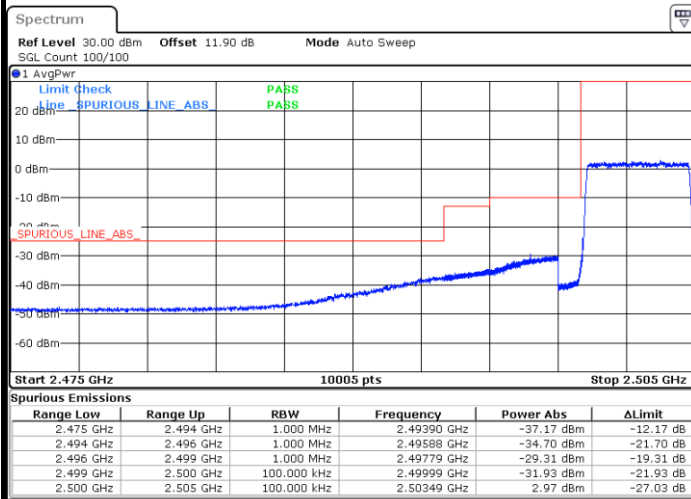
## Lowest Band Edge / 1 RB



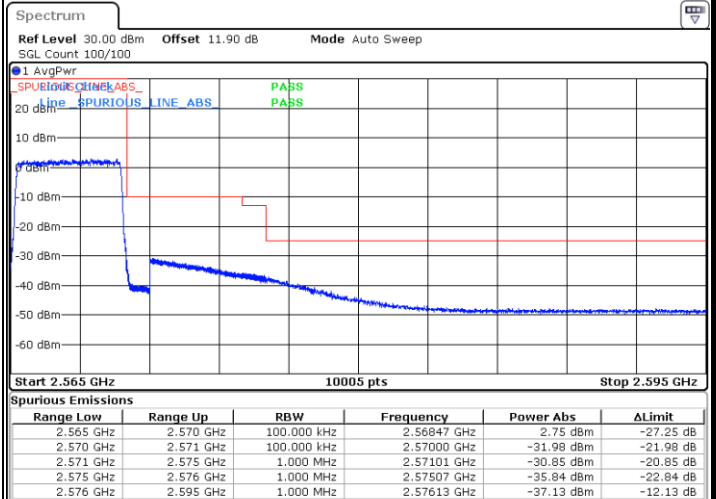
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



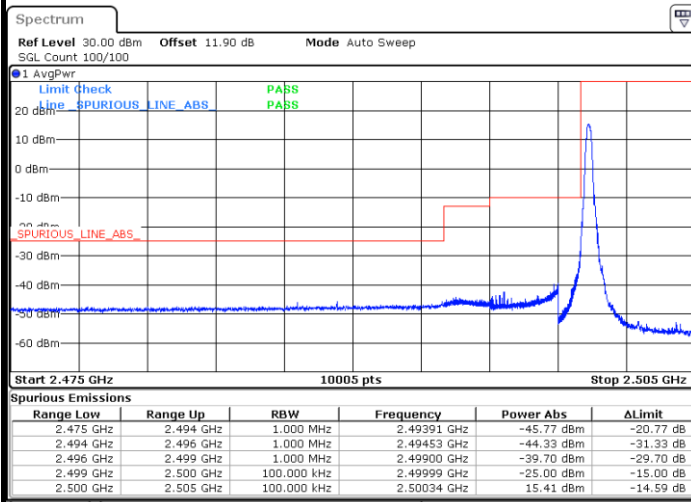
## Highest Band Edge / Full RB



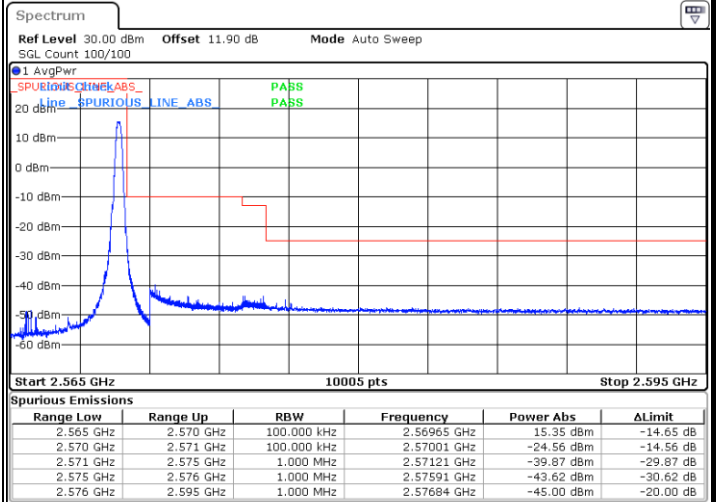


## LTE Band 7 / 5MHz / 64QAM

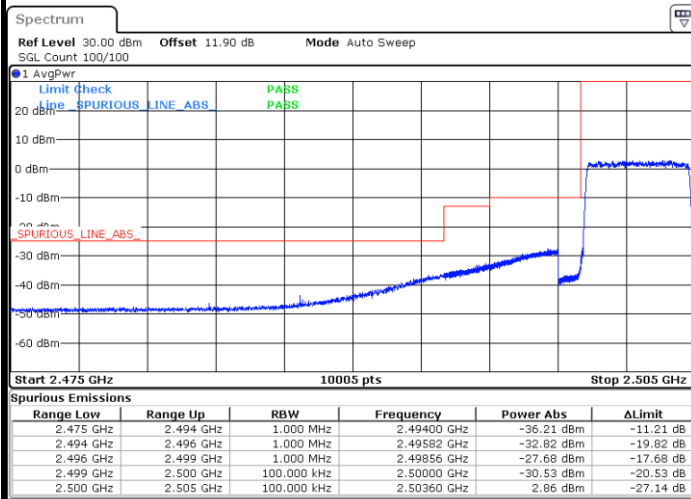
## Lowest Band Edge / 1RB



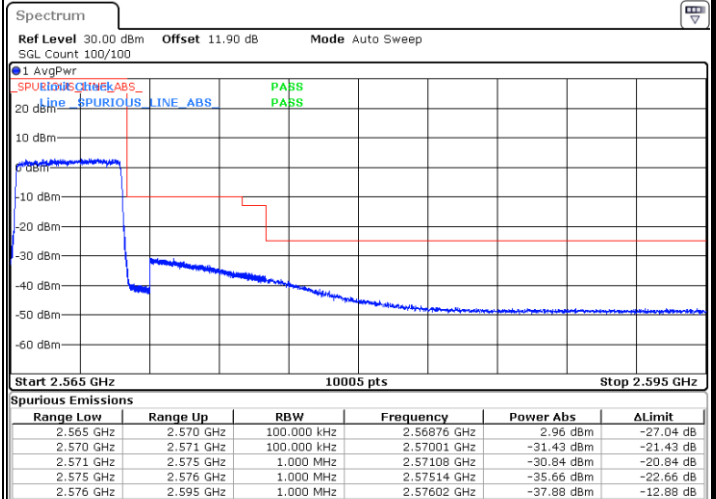
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



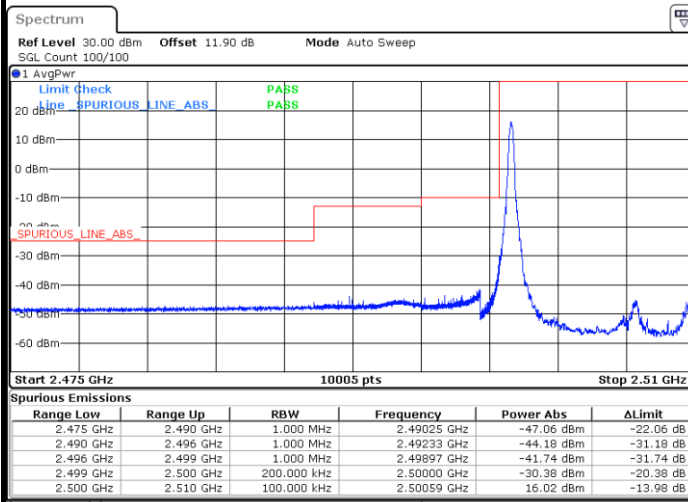
## Highest Band Edge / Full RB



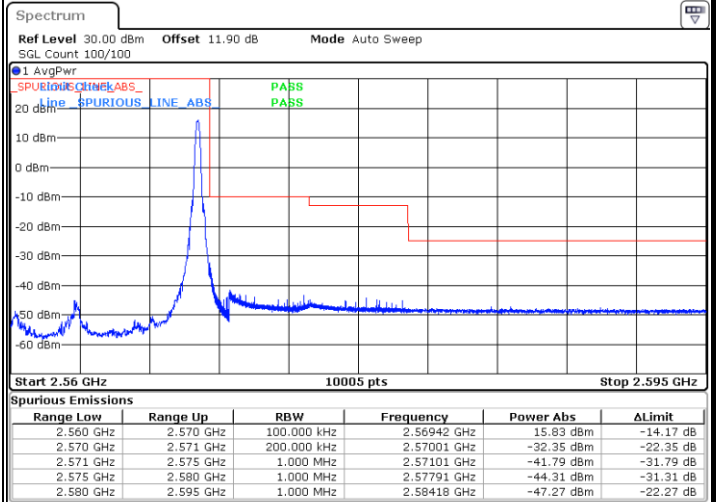


## LTE Band 7 / 10MHz / QPSK

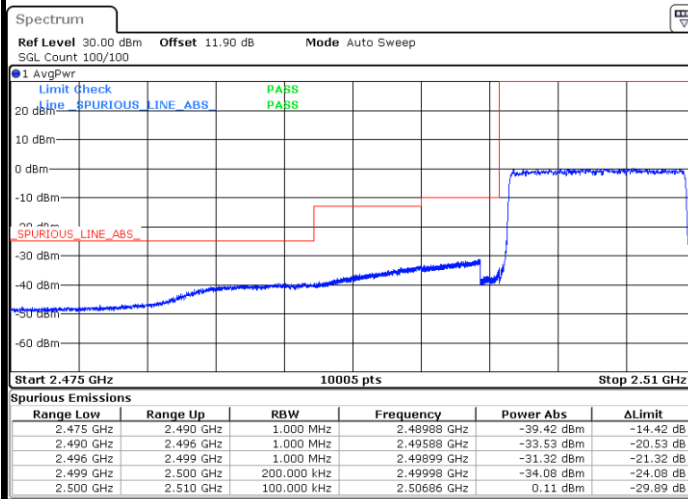
## Lowest Band Edge / 1 RB



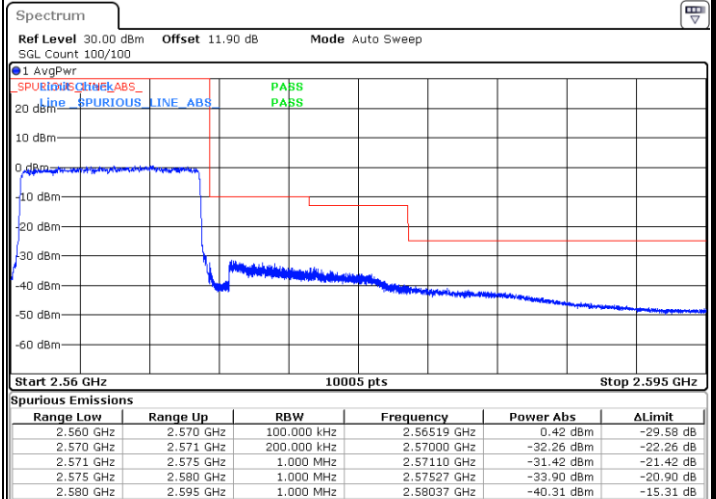
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



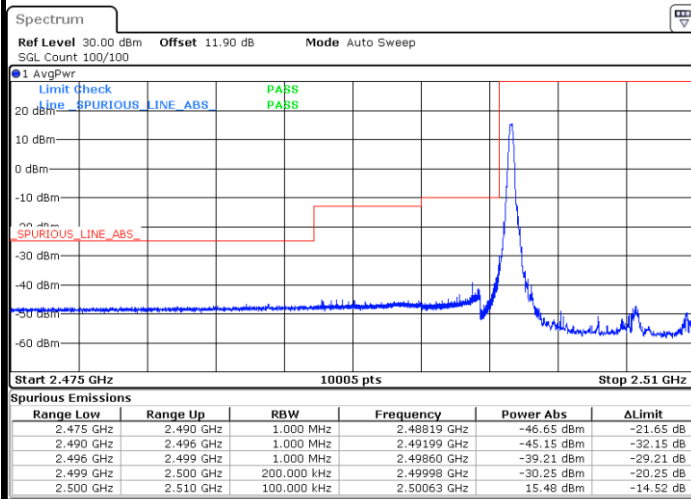
## Highest Band Edge / Full RB



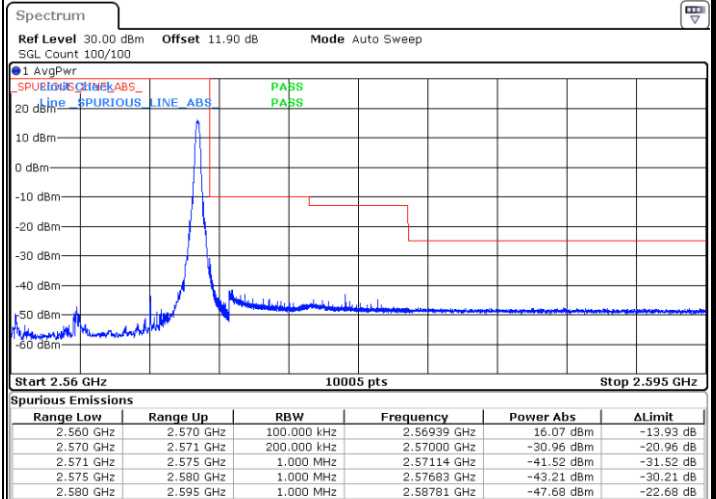


## LTE Band 7 / 10MHz / 16QAM

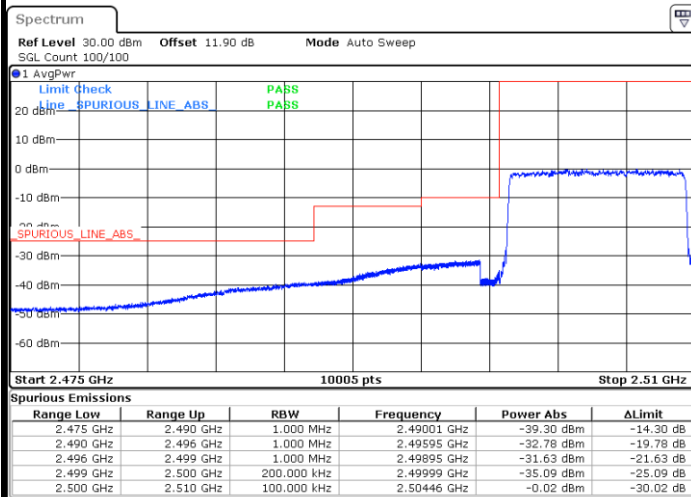
## Lowest Band Edge / 1 RB



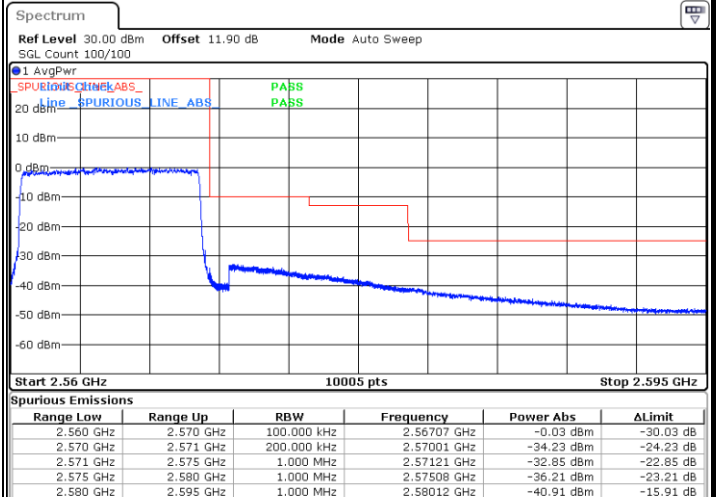
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



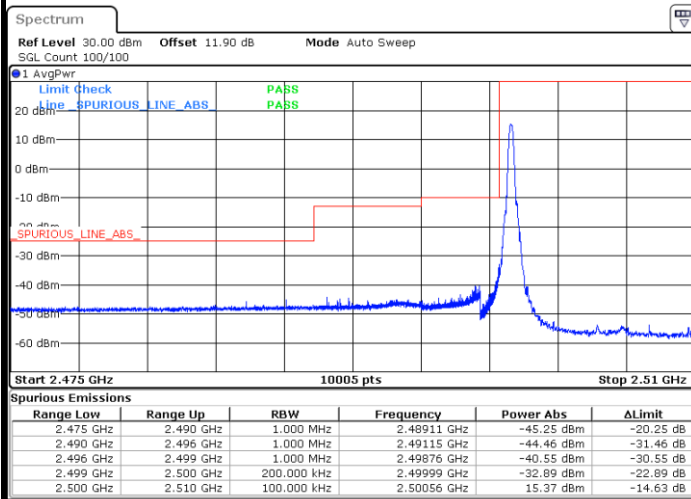
## Highest Band Edge / Full RB



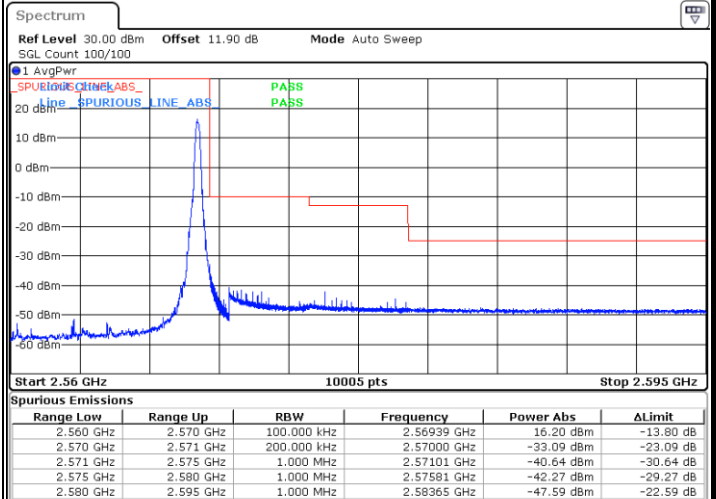


## LTE Band 7 / 10MHz / 64QAM

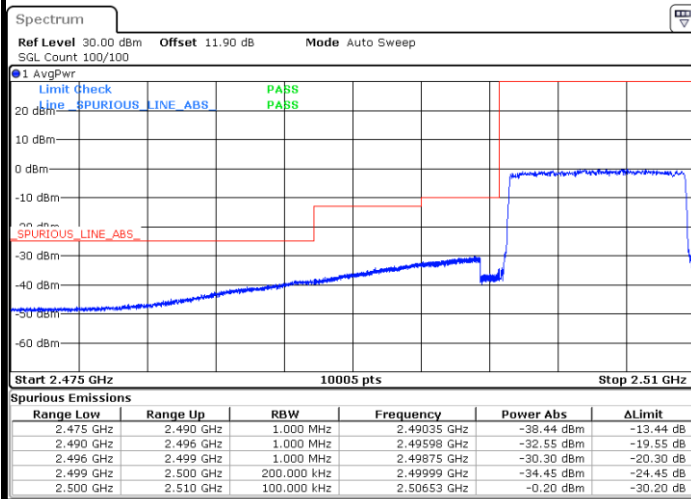
## Lowest Band Edge / 1 RB



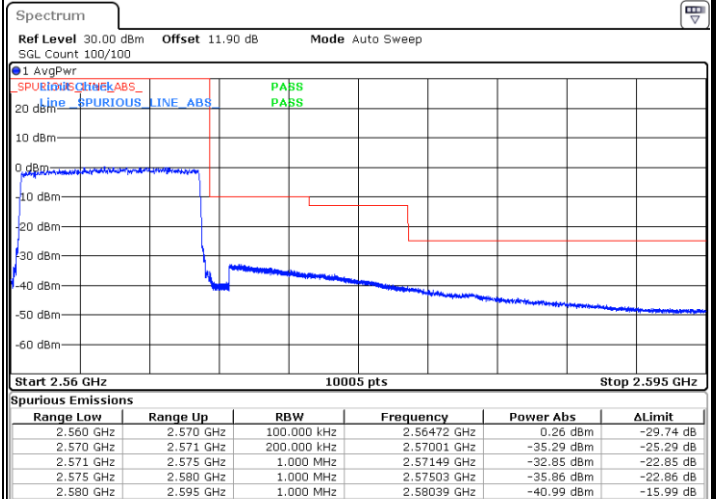
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



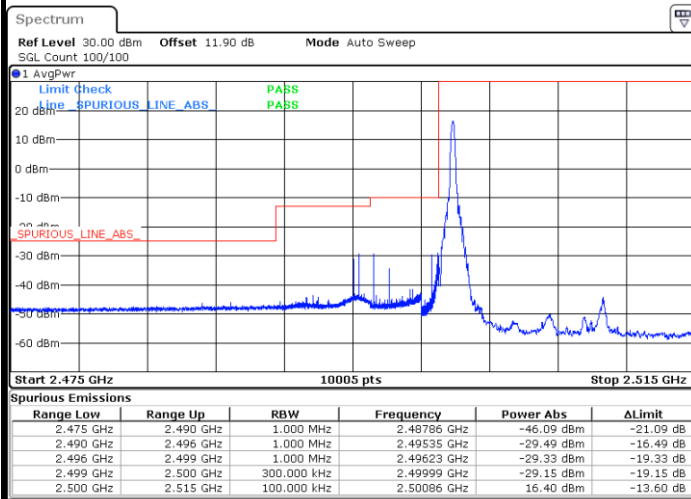
## Highest Band Edge / Full RB



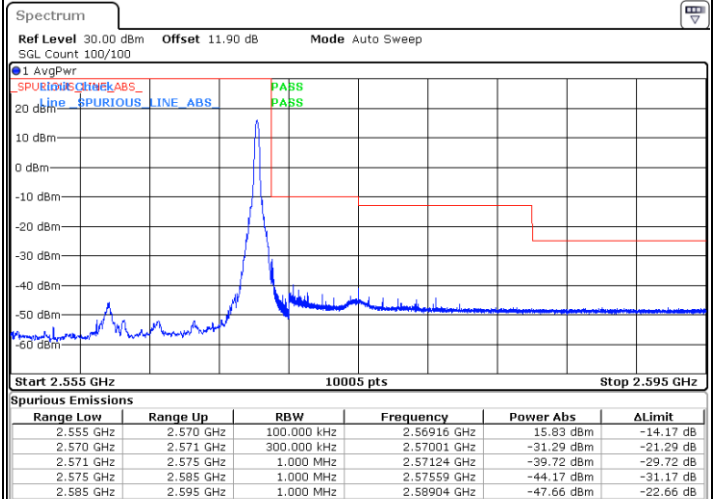


## LTE Band 7 / 15MHz / QPSK

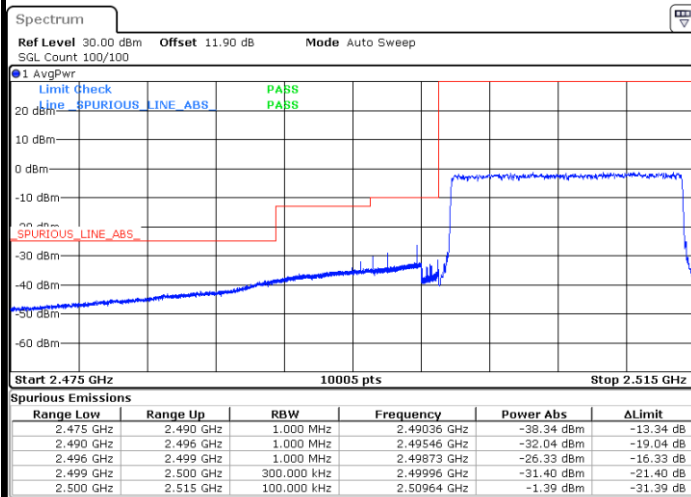
## Lowest Band Edge / 1 RB



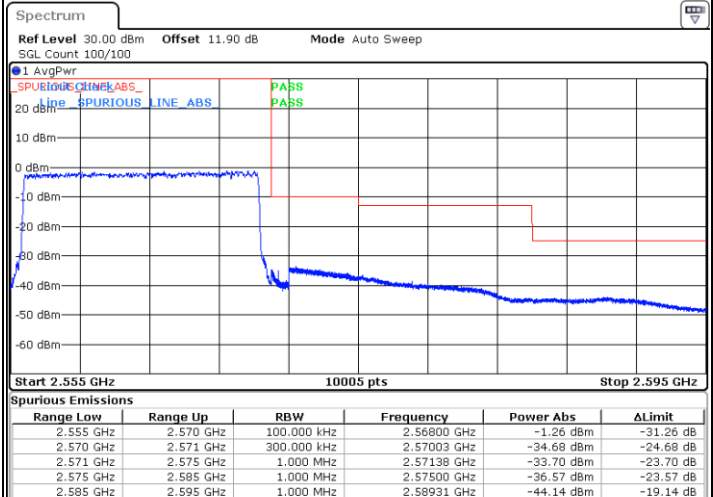
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



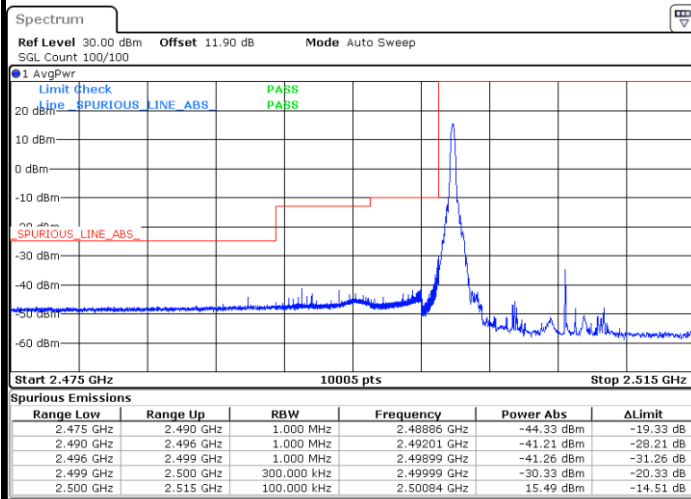
## Highest Band Edge / Full RB



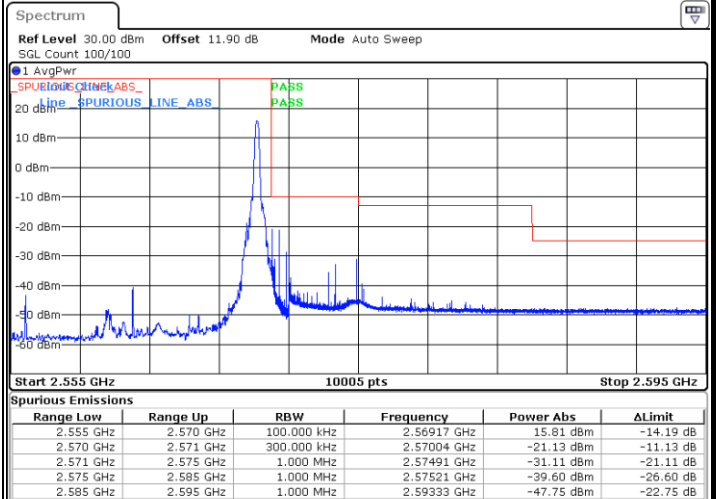


## LTE Band 7 / 15MHz / 16QAM

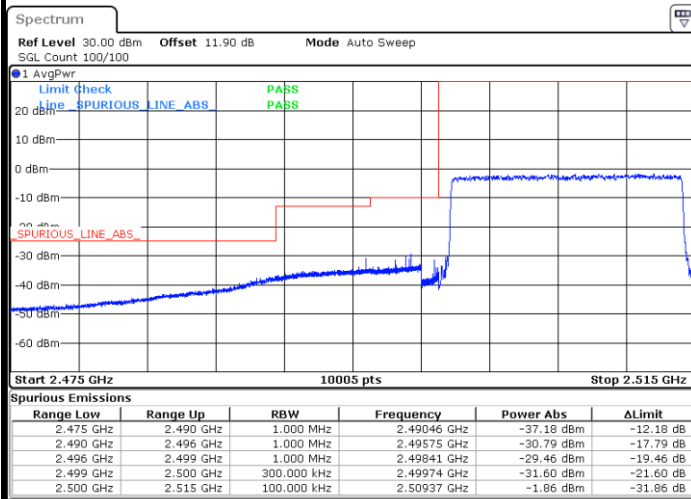
## Lowest Band Edge / 1 RB



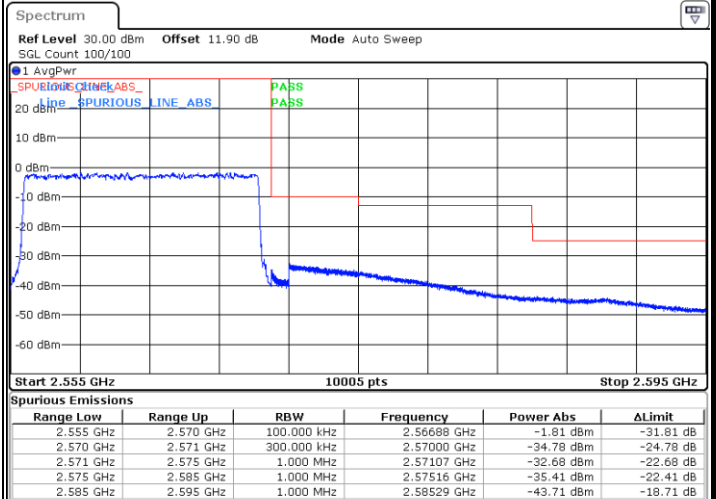
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



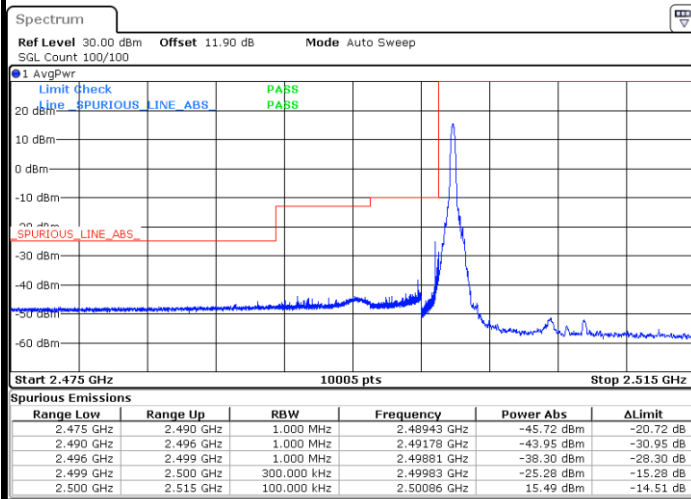
## Highest Band Edge / Full RB



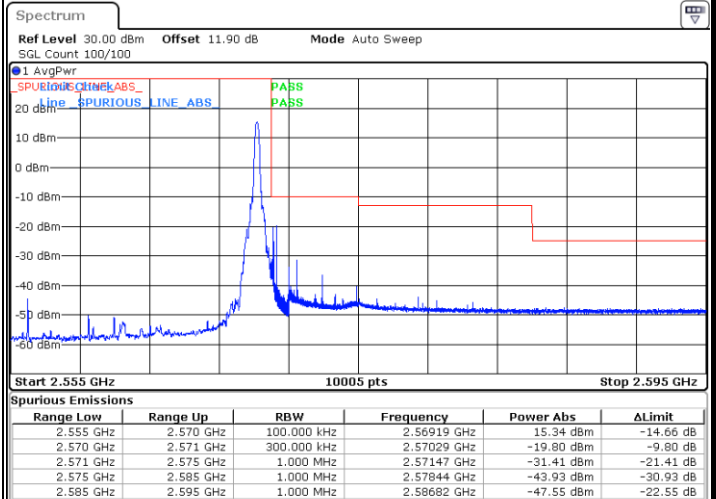


## LTE Band 7 / 15MHz / 64QAM

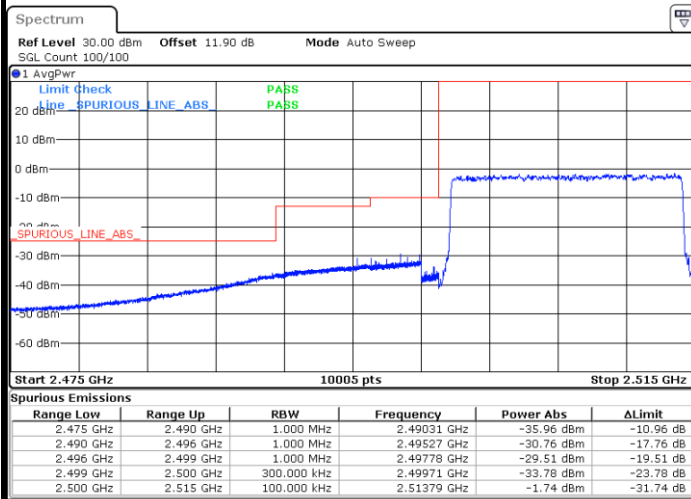
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

