

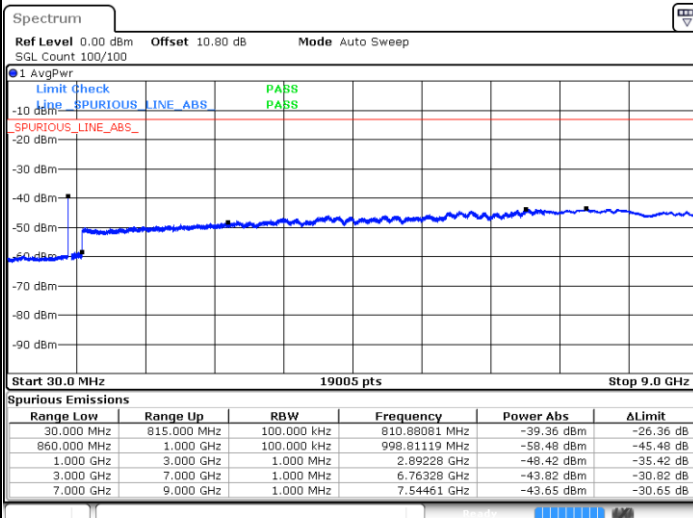


## LTE Band 5B / 10MHz+10MHz

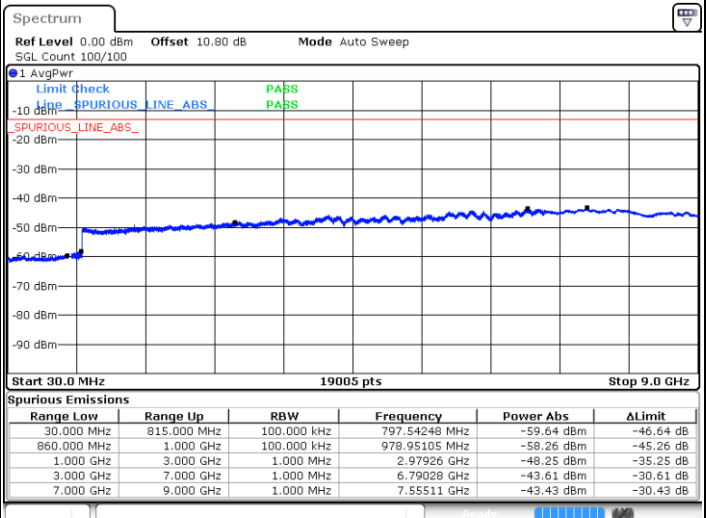
## 64QAM

## Highest Channel / 1RB0 and 1RB49

## Highest Channel / 1RB49 and 1RB0



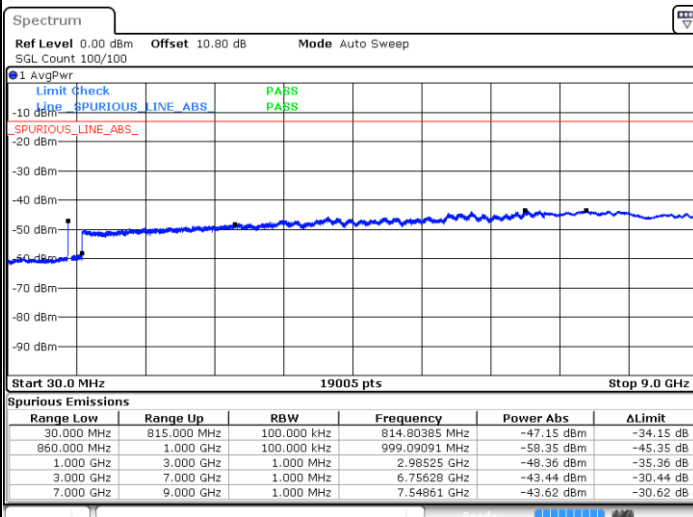
Date: 1.JAN.2020 22:03:56



Date: 1.JAN.2020 22:03:05

## Highest Channel / FullIRB

## N/A

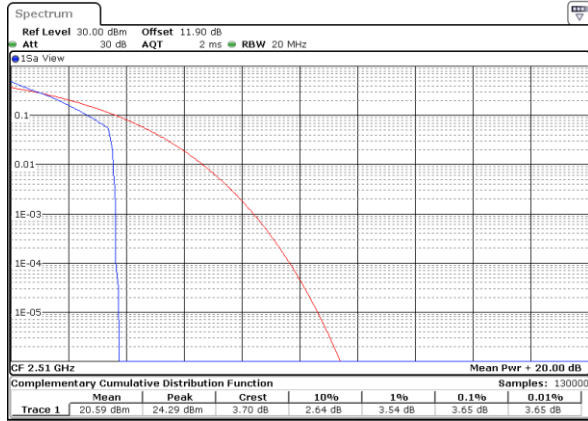


Date: 1.JAN.2020 22:08:15

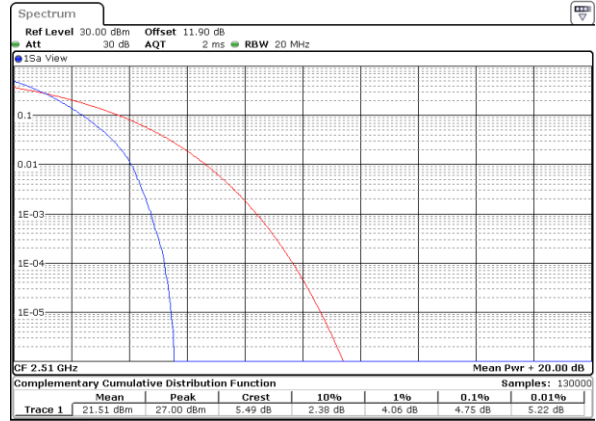
## LTE Band 7

### Peak-to-Average Ratio

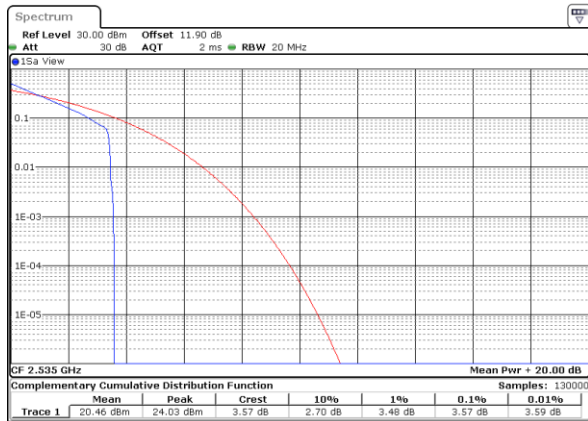
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.65               | 4.75    | 5.10  | 5.86    | PASS        |
| Middle CH  | 3.57               | 4.93    | 4.64  | 5.83    |             |
| Highest CH | 3.71               | 4.55    | 4.81  | 5.62    |             |
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
| Mod.       | 64QAM              |         |       |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB |       |         | Result      |
| Lowest CH  | 6.32               | 6.29    | -     | -       | PASS        |
| Middle CH  | 5.94               | 6.49    | -     | -       |             |
| Highest CH | 6.32               | 6.38    | -     | -       |             |

**LTE Band 7 / 20MHz / QPSK**
**Lowest Channel / 1RB**


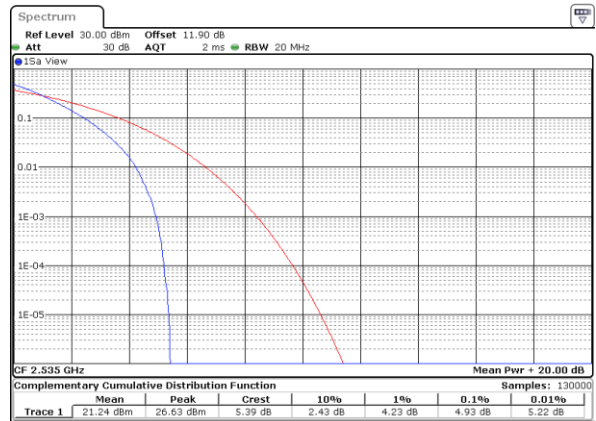
Date: 4 JAN 2020 19:06:25

**Lowest Channel / Full RB**


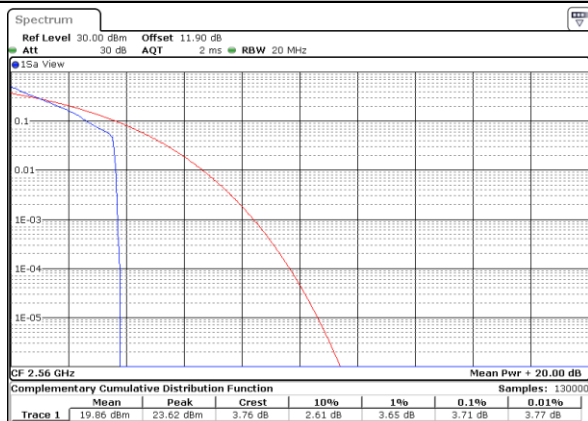
Date: 4 JAN 2020 19:06:36

**Middle Channel / 1RB**


Date: 4 JAN 2020 19:06:45

**Middle Channel / Full RB**


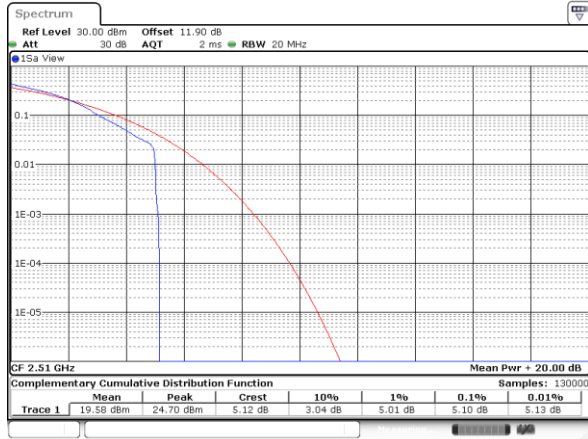
Date: 4 JAN 2020 19:06:55

**Highest Channel / 1RB**


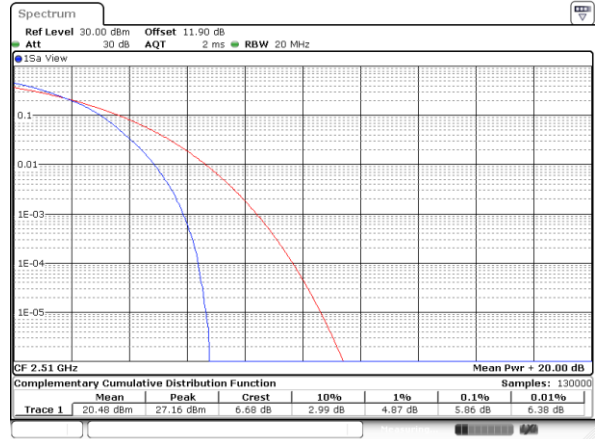
Date: 4 JAN 2020 19:07:05

**Highest Channel / Full RB**

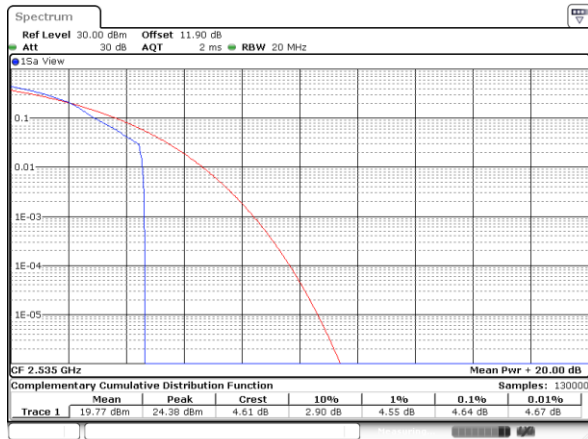

Date: 4 JAN 2020 19:07:15

**LTE Band 7 / 20MHz / 16QAM**
**Lowest Channel / 1RB**


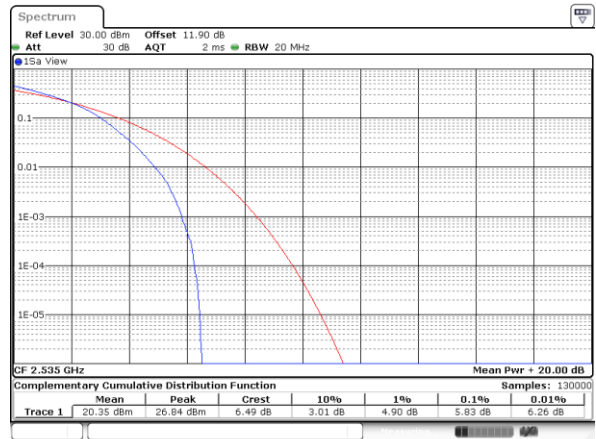
Date: 4 JAN 2020 19:05:25

**Lowest Channel / Full RB**


Date: 4 JAN 2020 19:05:35

**Middle Channel / 1RB**


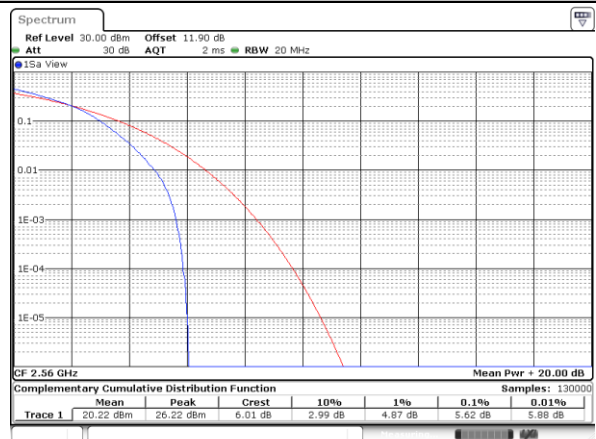
Date: 4 JAN 2020 19:05:45

**Middle Channel / Full RB**


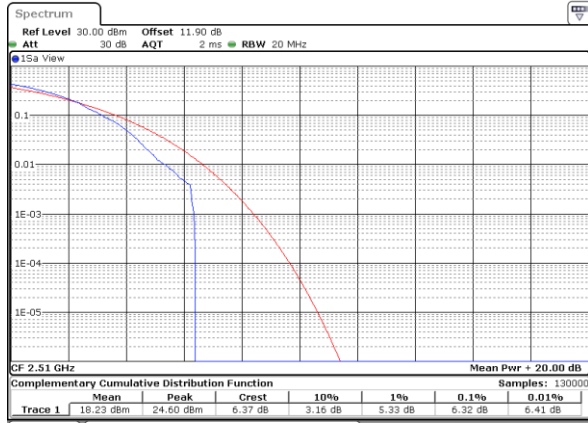
Date: 4 JAN 2020 19:05:55

**Highest Channel / 1RB**


Date: 4 JAN 2020 19:06:05

**Highest Channel / Full RB**


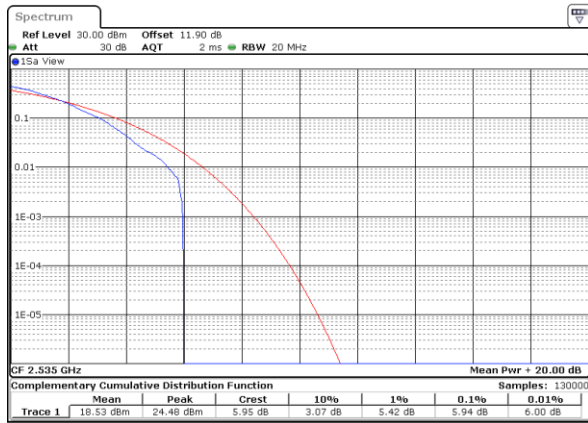
Date: 4 JAN 2020 19:06:15

**LTE Band 7 / 20MHz / 64QAM**
**Lowest Channel / 1RB**


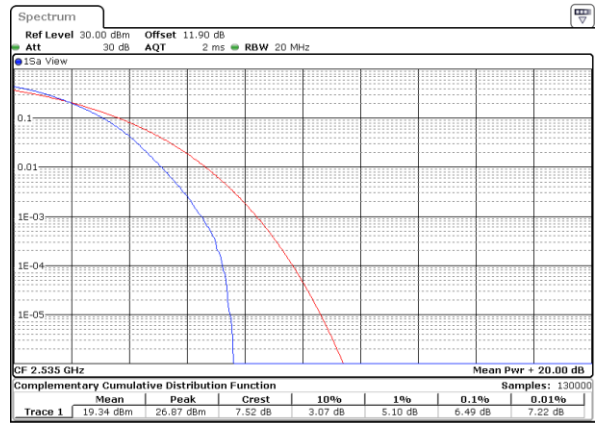
Date: 4 JAN 2020 19:07:26

**Lowest Channel / Full RB**


Date: 4 JAN 2020 19:07:36

**Middle Channel / 1RB**


Date: 4 JAN 2020 19:07:46

**Middle Channel / Full RB**


Date: 4 JAN 2020 19:07:56

**Highest Channel / 1RB**


Date: 4 JAN 2020 19:08:06

**Highest Channel / Full RB**


Date: 4 JAN 2020 19:08:16

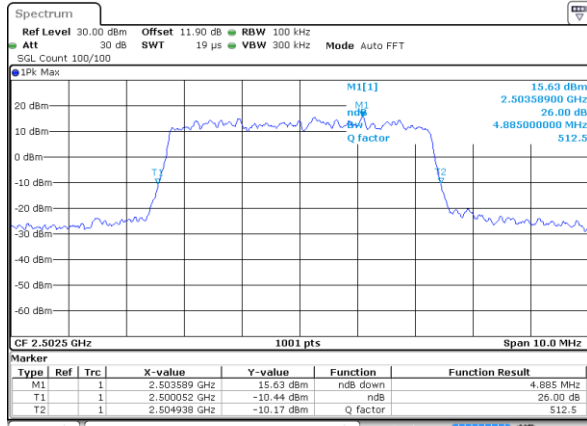
## 26dB Bandwidth

| 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  | -                         | -     | -     | -     | 4.89  | 4.87  | 9.69  | 9.61  | 14.15 | 14.54 | 18.90 | 18.78 |
| Middle CH  | -                         | -     | -     | -     | 4.88  | 4.86  | 9.63  | 9.85  | 14.36 | 14.36 | 18.90 | 19.34 |
| Highest CH | -                         | -     | -     | -     | 4.88  | 4.81  | 9.85  | 9.81  | 14.45 | 14.12 | 18.70 | 19.06 |
| Mode       | LTE Band 7 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                         | -     | -     | -     | 4.91  | -     | 9.87  | -     | 14.33 | -     | 18.98 | -     |
| Middle CH  | -                         | -     | -     | -     | 4.89  | -     | 9.65  | -     | 14.60 | -     | 19.22 | -     |
| Highest CH | -                         | -     | -     | -     | 4.84  | -     | 9.85  | -     | 14.39 | -     | 18.74 | -     |

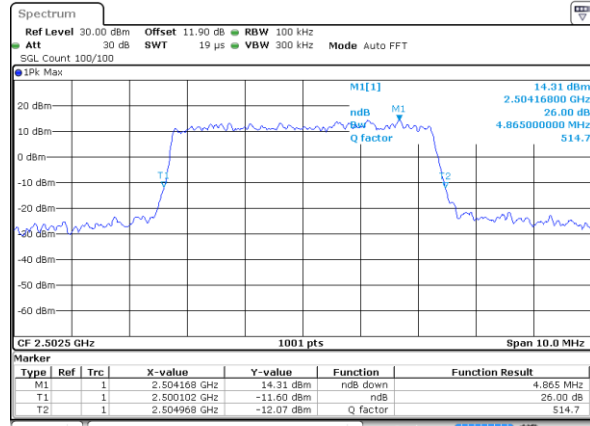


## LTE Band 7

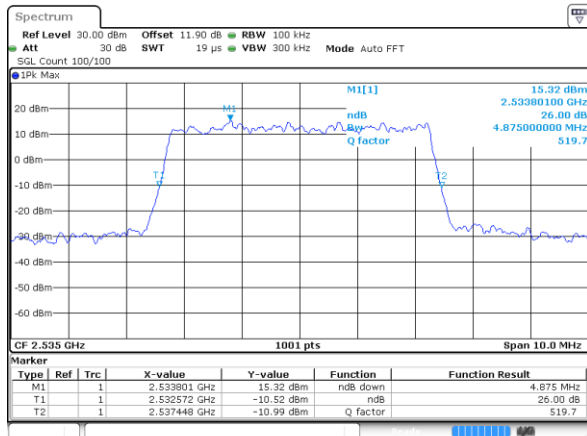
## Lowest Channel / 5MHz / QPSK



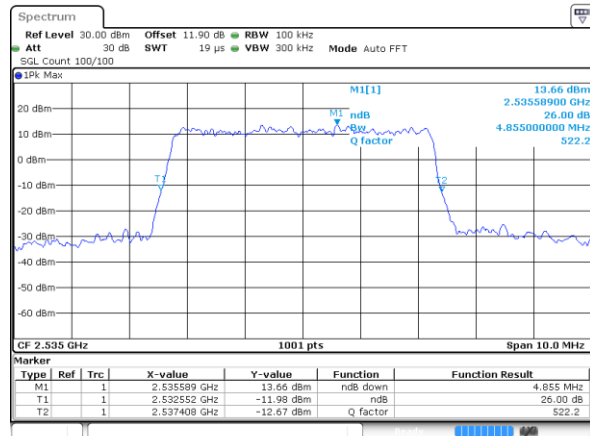
## Lowest Channel / 5MHz / 16QAM



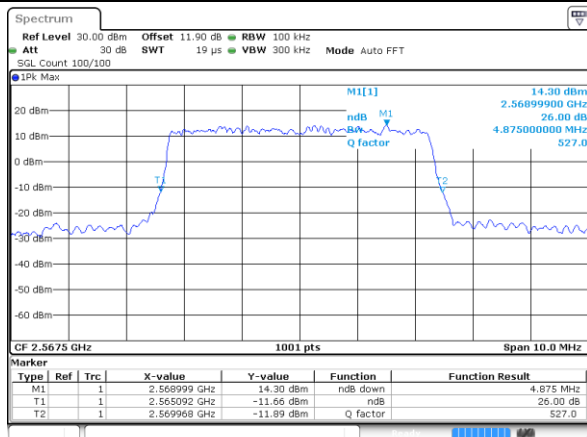
## Middle Channel / 5MHz / QPSK



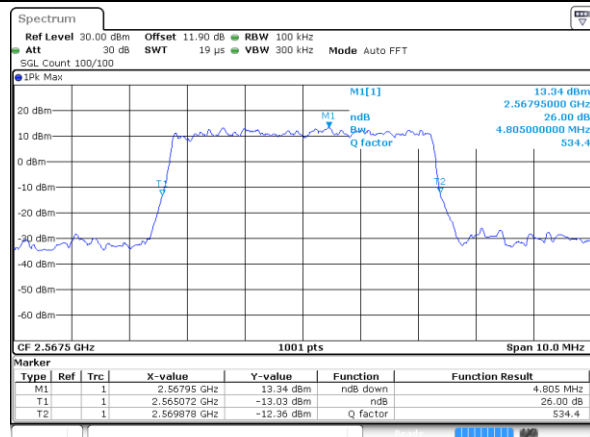
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



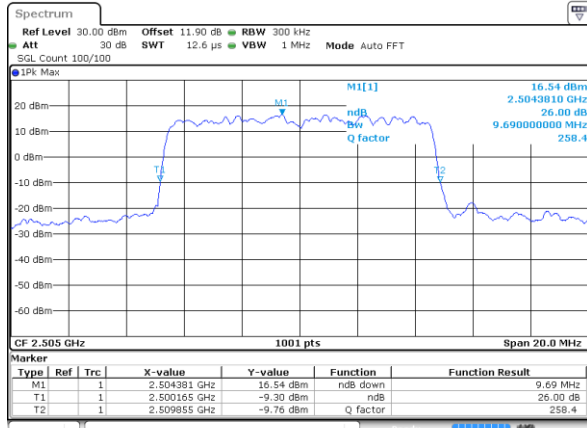
## Highest Channel / 5MHz / 16QAM





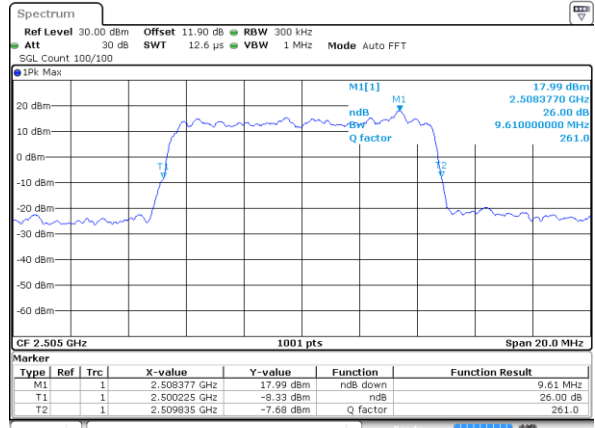
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



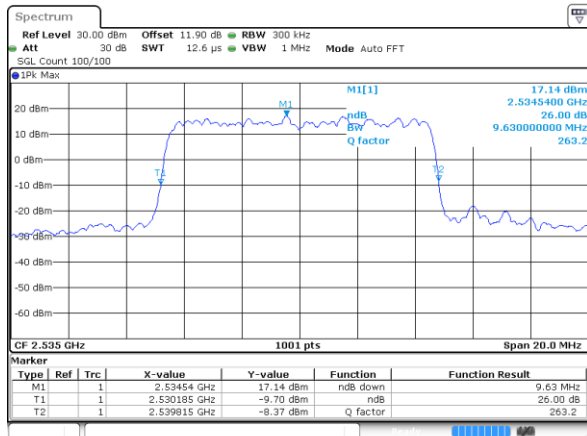
Date: 4 JAN 2020 18:10:24

## Lowest Channel / 10MHz / 16QAM



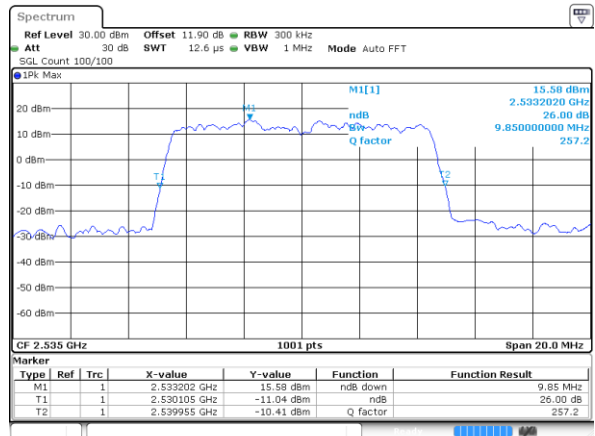
Date: 4 JAN 2020 18:10:37

## Middle Channel / 10MHz / QPSK



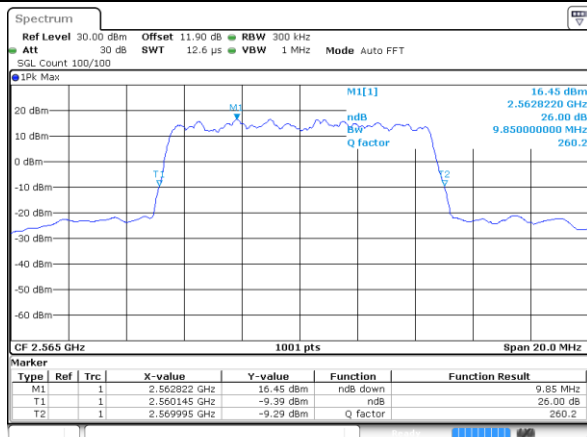
Date: 4 JAN 2020 18:15:25

## Middle Channel / 10MHz / 16QAM



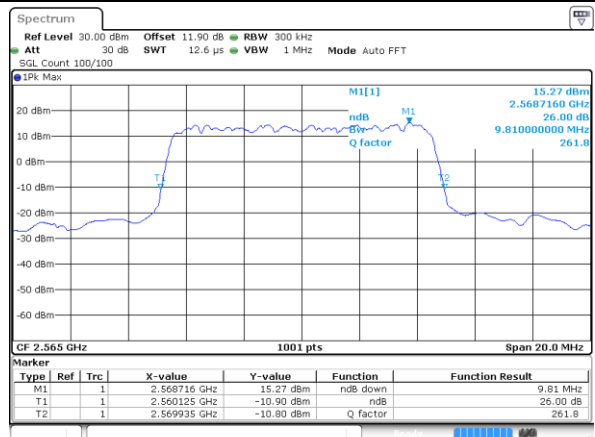
Date: 4 JAN 2020 18:15:37

## Highest Channel / 10MHz / QPSK



Date: 4 JAN 2020 18:17:40

## Highest Channel / 10MHz / 16QAM

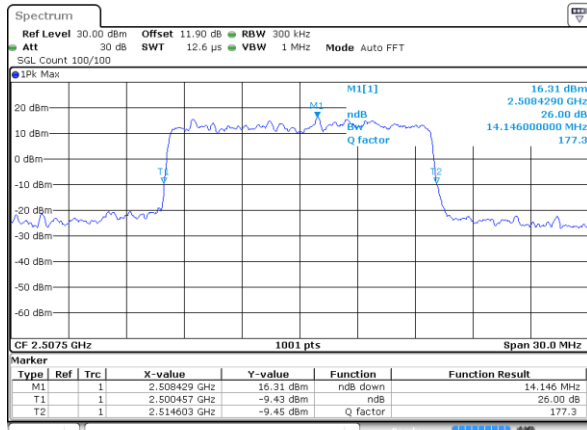


Date: 4 JAN 2020 18:17:52



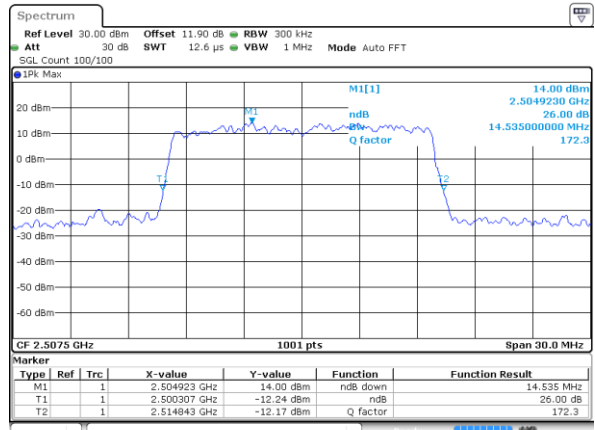
## LTE Band 7

## Lowest Channel / 15MHz / QPSK



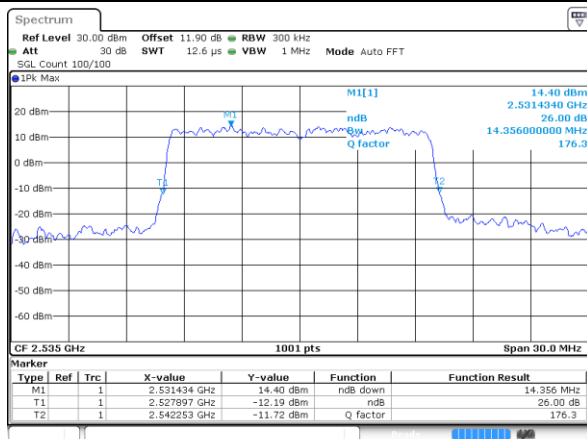
Date: 4 JAN 2020 18:28:50

## Lowest Channel / 15MHz / 16QAM



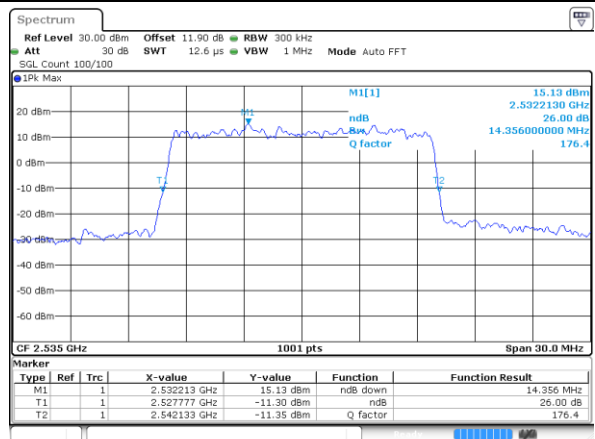
Date: 4 JAN 2020 18:29:02

## Middle Channel / 15MHz / QPSK



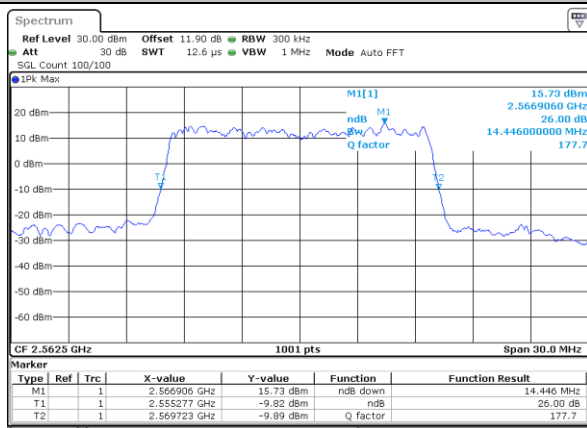
Date: 4 JAN 2020 18:33:51

## Middle Channel / 15MHz / 16QAM



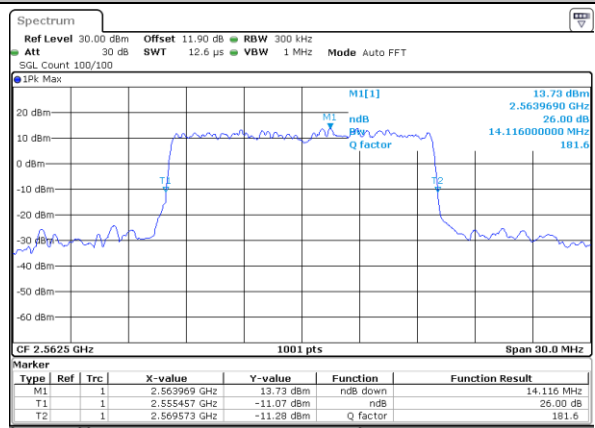
Date: 4 JAN 2020 18:34:03

## Highest Channel / 15MHz / QPSK



Date: 4 JAN 2020 18:36:05

## Highest Channel / 15MHz / 16QAM

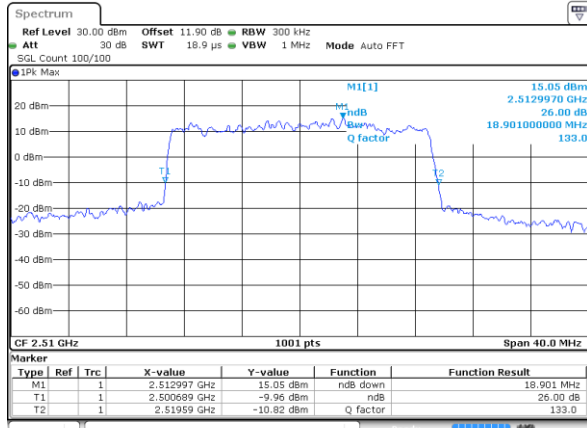


Date: 4 JAN 2020 18:36:17

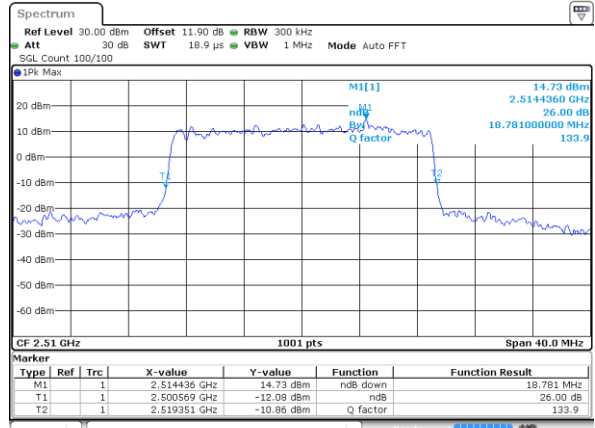


## LTE Band 7

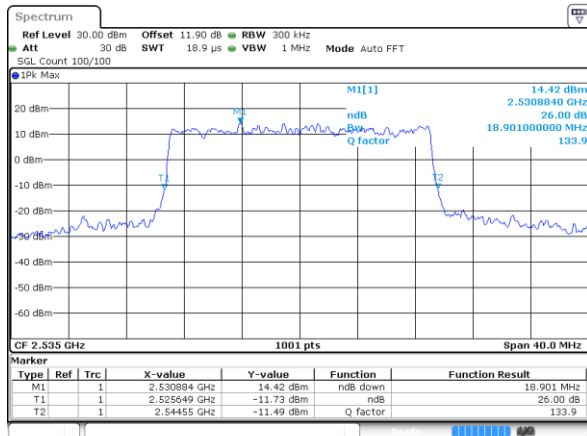
## Lowest Channel / 20MHz / QPSK



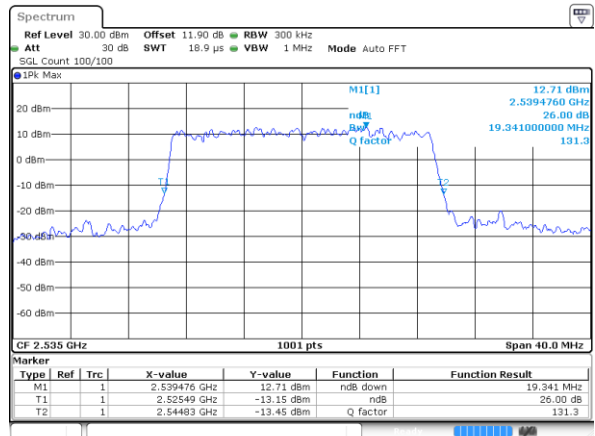
## Lowest Channel / 20MHz / 16QAM



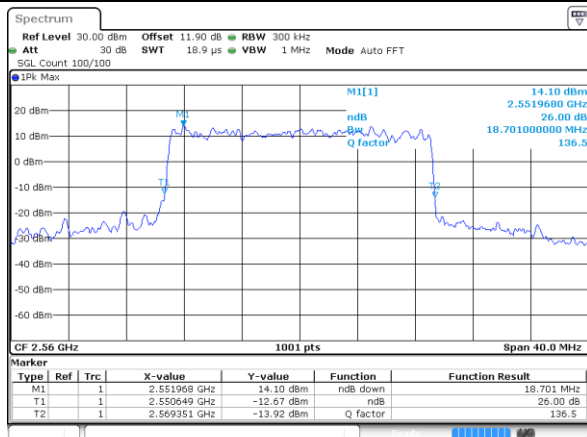
## Middle Channel / 20MHz / QPSK



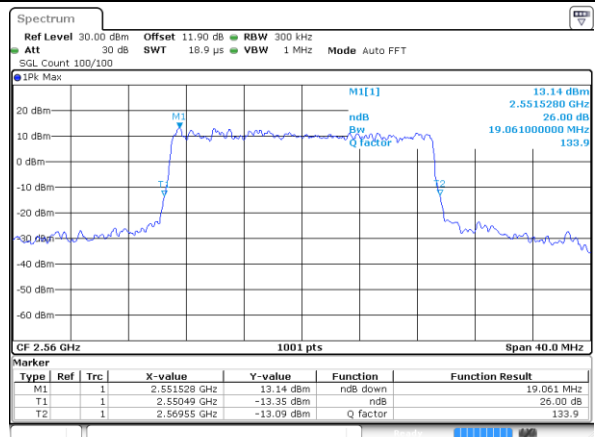
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



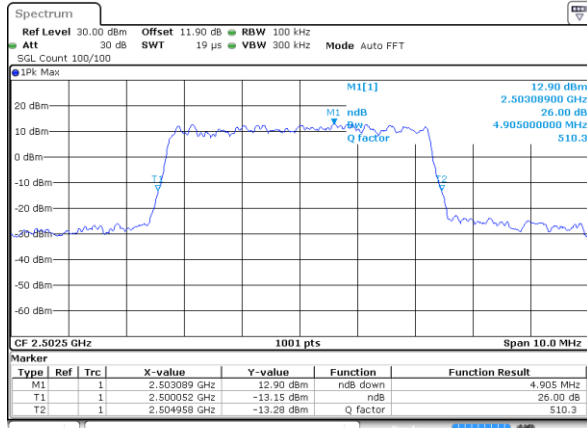
## Highest Channel / 20MHz / 16QAM



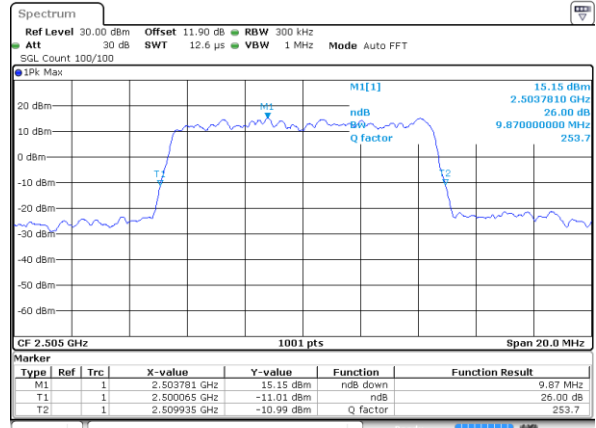


## LTE Band 7

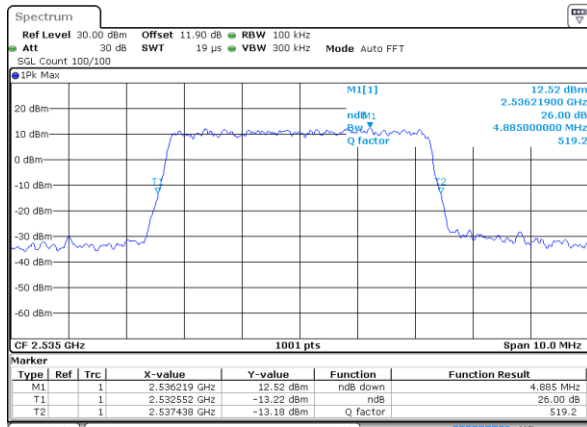
## Lowest Channel / 5MHz / 64QAM



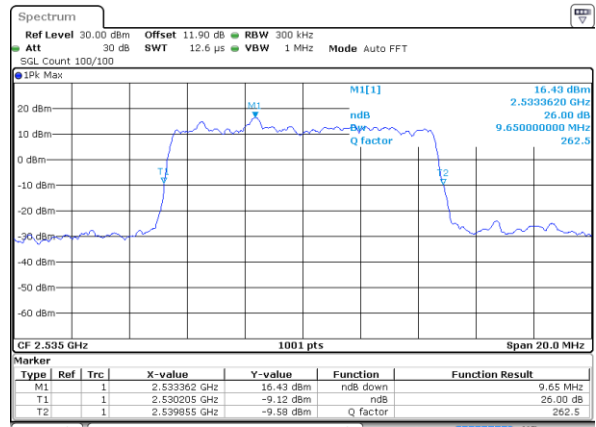
## Lowest Channel / 10MHz / 64QAM



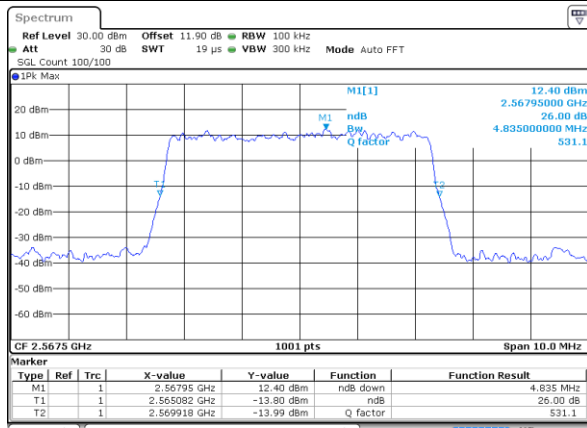
## Middle Channel / 5MHz / 64QAM



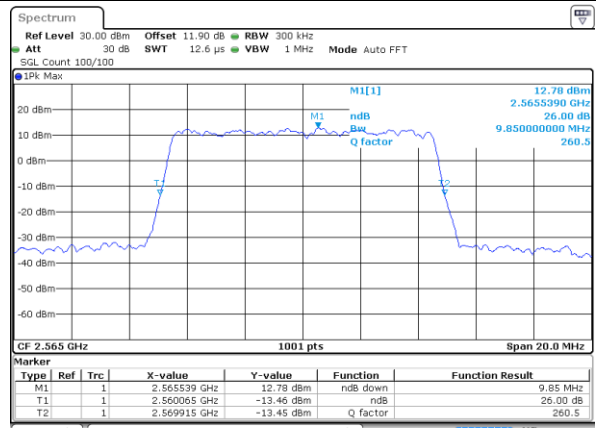
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



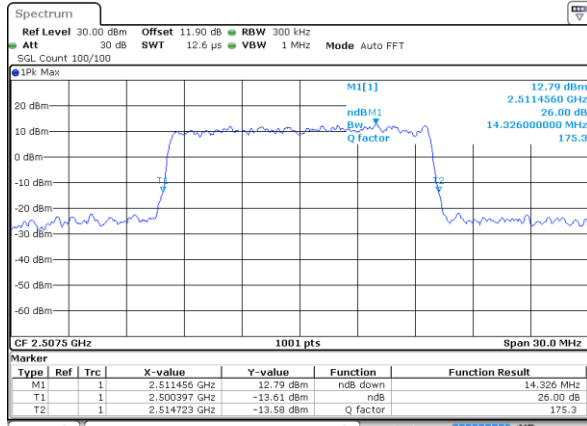
## Highest Channel / 10MHz / 64QAM



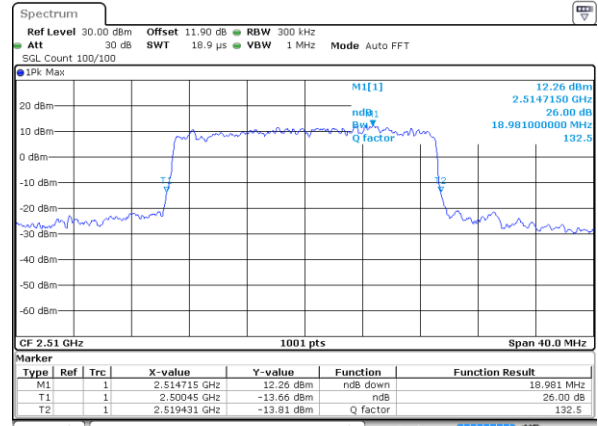


## LTE Band 7

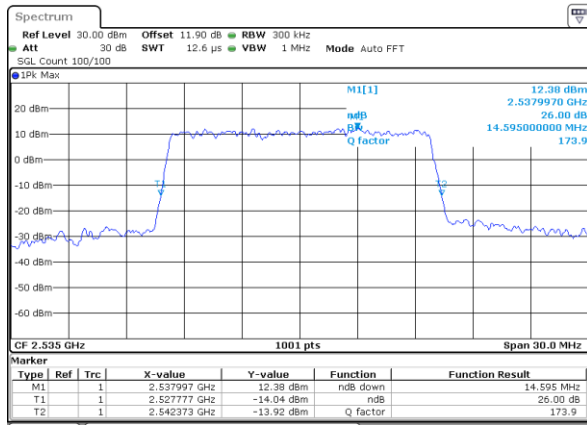
## Lowest Channel / 15MHz / 64QAM



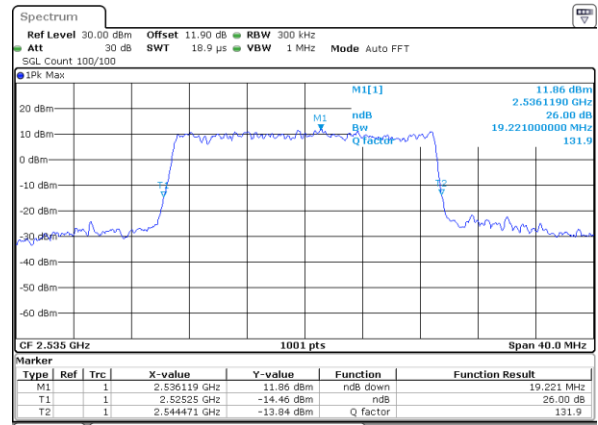
## Lowest Channel / 20MHz / 64QAM



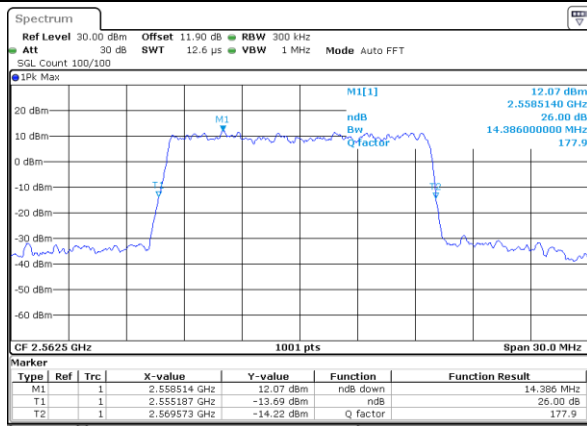
## Middle Channel / 15MHz / 64QAM



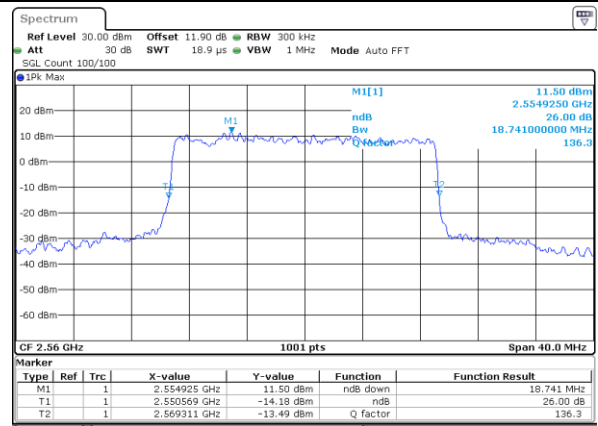
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM



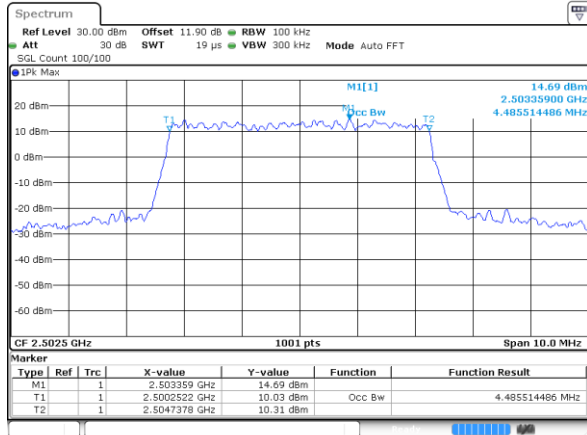
**Occupied Bandwidth**

| 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  | 9.07  | 13.52 | 13.46 | 17.82 | 17.82 |
| Middle CH  | -                        | -     | -     | -     | 4.50  | 4.48  | 8.99  | 8.97  | 13.49 | 13.43 | 17.90 | 18.02 |
| Highest CH | -                        | -     | -     | -     | 4.48  | 4.50  | 9.07  | 9.03  | 13.49 | 13.49 | 17.82 | 17.90 |
| Mode       | LTE Band 7 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                   |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                    |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                        | -     | -     | -     | 4.55  | -     | 8.99  | -     | 13.43 | -     | 17.86 | -     |
| Middle CH  | -                        | -     | -     | -     | 4.48  | -     | 8.99  | -     | 13.40 | -     | 17.90 | -     |
| Highest CH | -                        | -     | -     | -     | 4.49  | -     | 9.01  | -     | 13.43 | -     | 17.90 | -     |



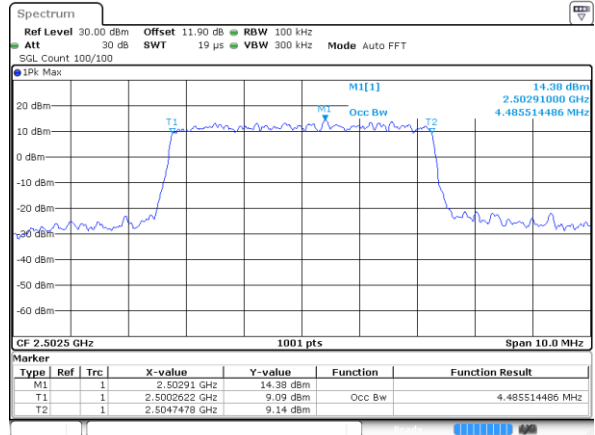
## LTE Band 7

## Lowest Channel / 5MHz / QPSK



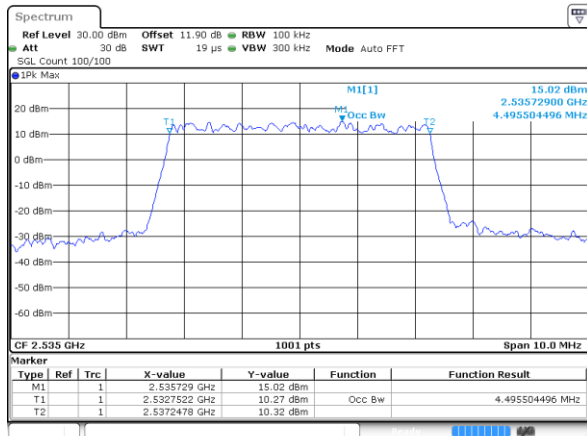
Date: 4 JAN 2020 17:51:33

## Lowest Channel / 5MHz / 16QAM



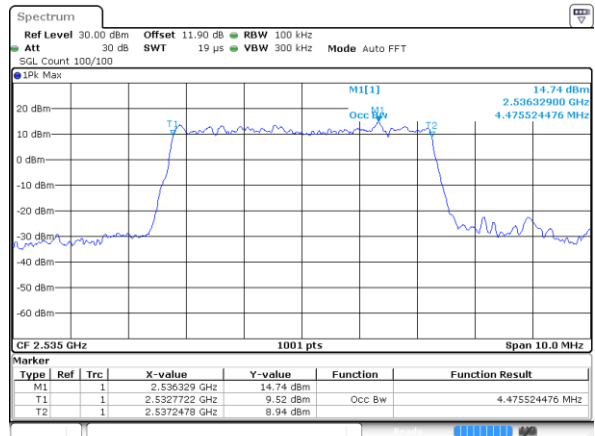
Date: 4 JAN 2020 17:51:45

## Middle Channel / 5MHz / QPSK



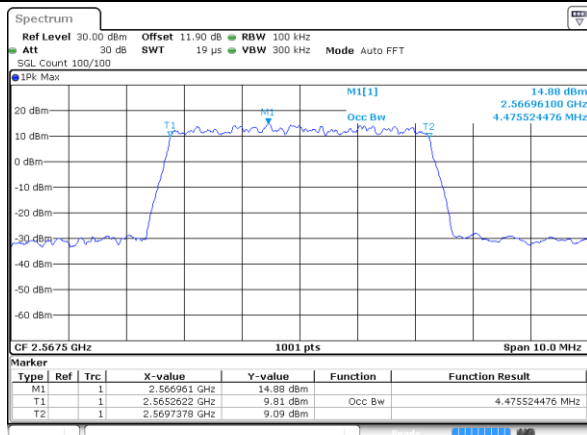
Date: 4 JAN 2020 17:56:36

## Middle Channel / 5MHz / 16QAM



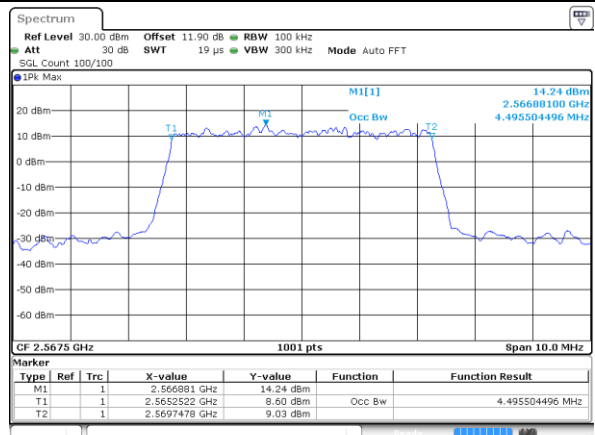
Date: 4 JAN 2020 17:56:48

## Highest Channel / 5MHz / QPSK



Date: 4 JAN 2020 17:58:49

## Highest Channel / 5MHz / 16QAM

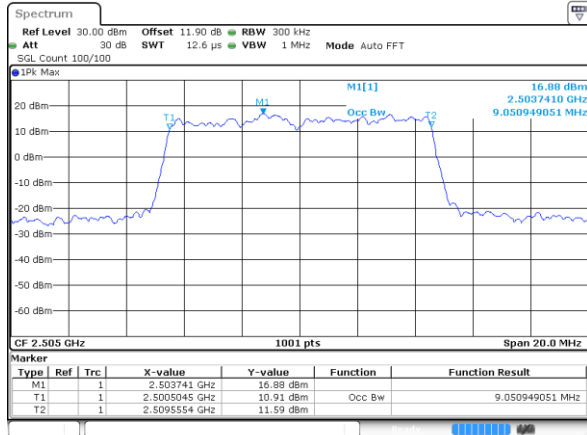


Date: 4 JAN 2020 17:59:01



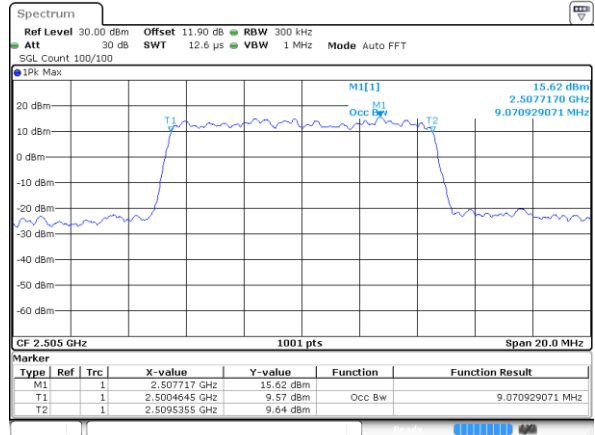
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



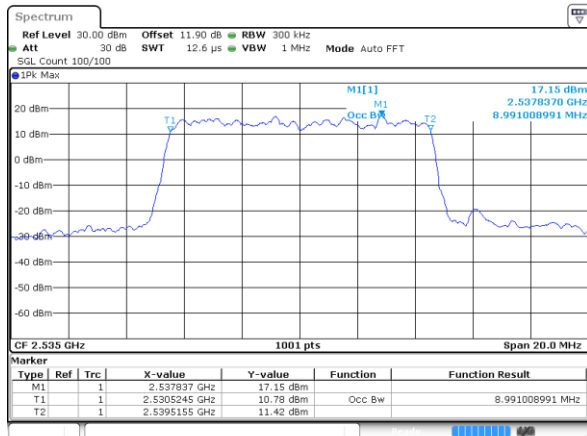
Date: 4 JAN 2020 18:10:00

## Lowest Channel / 10MHz / 16QAM



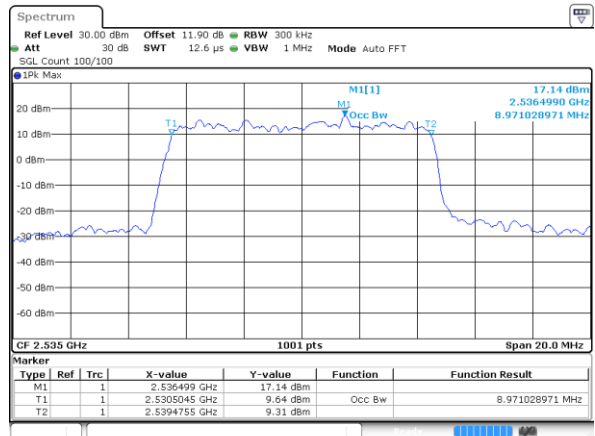
Date: 4 JAN 2020 18:10:12

## Middle Channel / 10MHz / QPSK



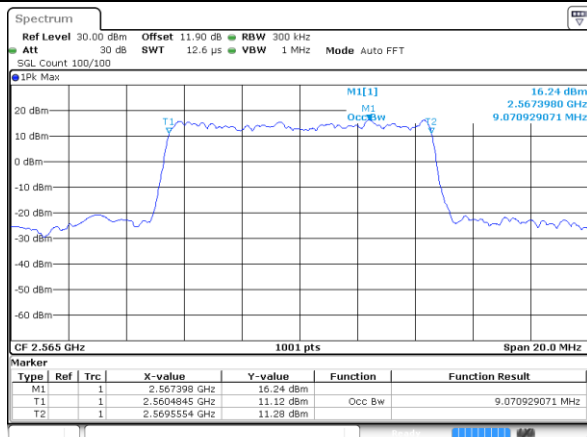
Date: 4 JAN 2020 18:15:02

## Middle Channel / 10MHz / 16QAM



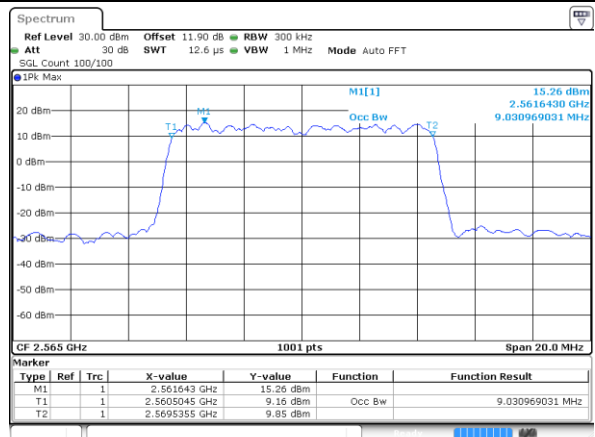
Date: 4 JAN 2020 18:15:13

## Highest Channel / 10MHz / QPSK



Date: 4 JAN 2020 18:17:15

## Highest Channel / 10MHz / 16QAM

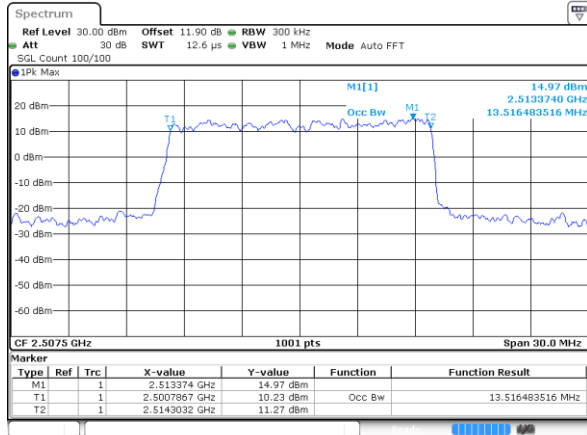


Date: 4 JAN 2020 18:17:27



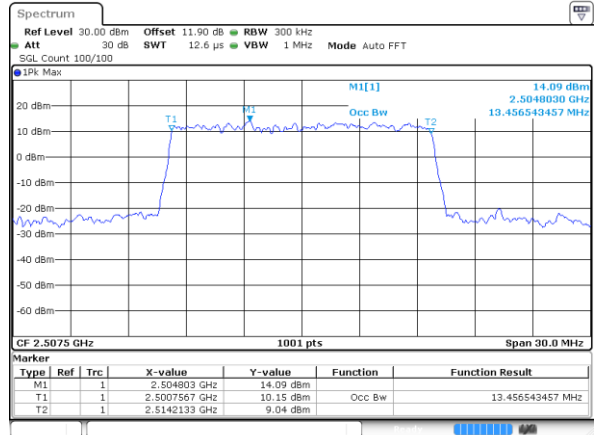
## LTE Band 7

## Lowest Channel / 15MHz / QPSK



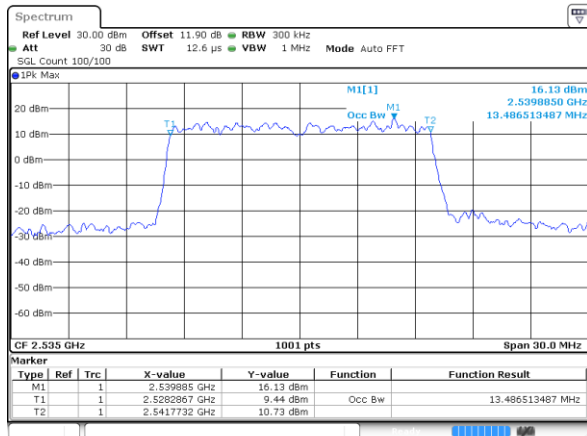
Date: 4 JAN 2020 18:28:25

## Lowest Channel / 15MHz / 16QAM



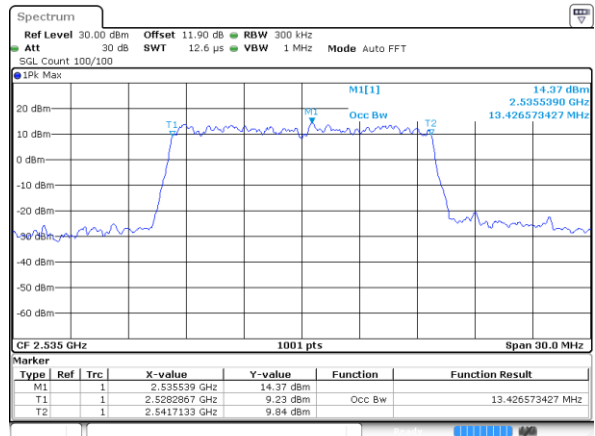
Date: 4 JAN 2020 18:28:38

## Middle Channel / 15MHz / QPSK



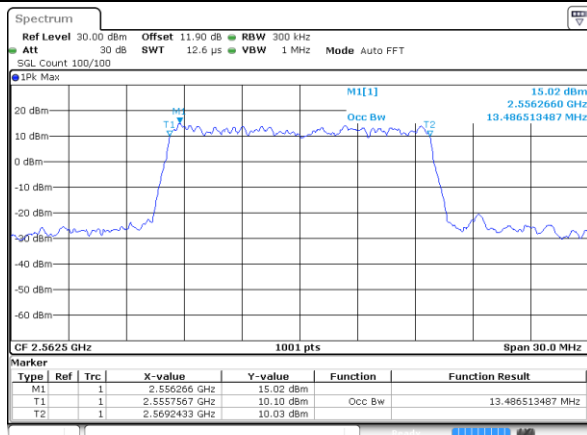
Date: 4 JAN 2020 18:33:28

## Middle Channel / 15MHz / 16QAM



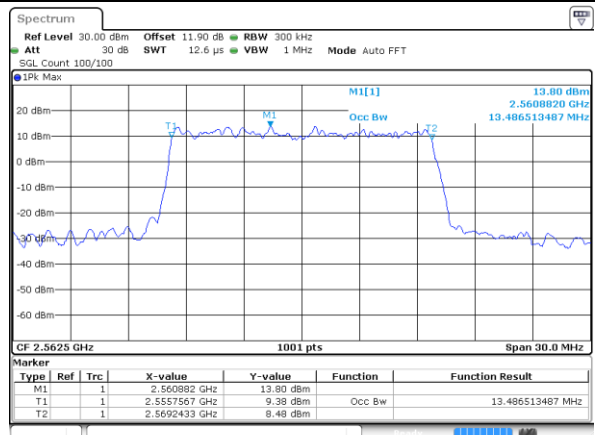
Date: 4 JAN 2020 18:33:40

## Highest Channel / 15MHz / QPSK

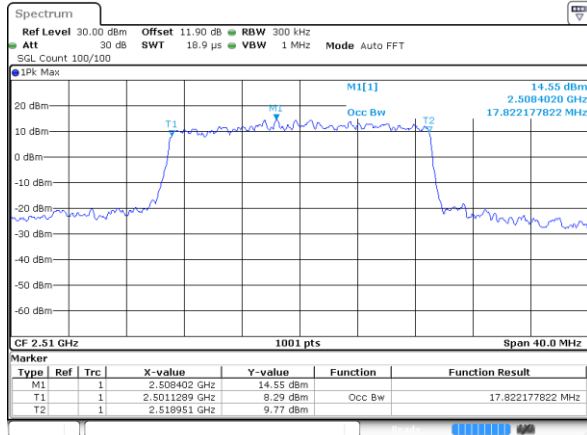


Date: 4 JAN 2020 18:35:40

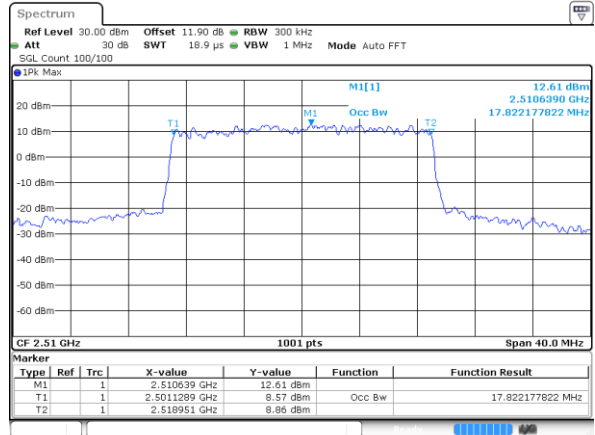
## Highest Channel / 15MHz / 16QAM



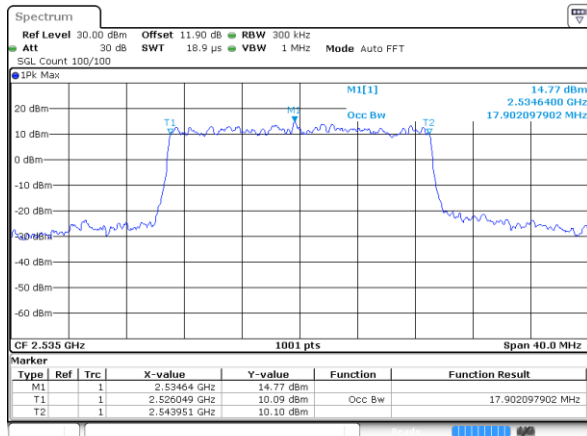
Date: 4 JAN 2020 18:35:53

**LTE Band 7**
**Lowest Channel / 20MHz / QPSK**


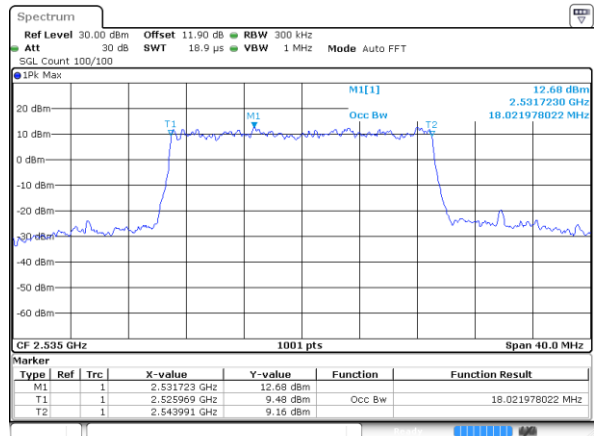
Date: 4 JAN 2020 18:46:50

**Lowest Channel / 20MHz / 16QAM**


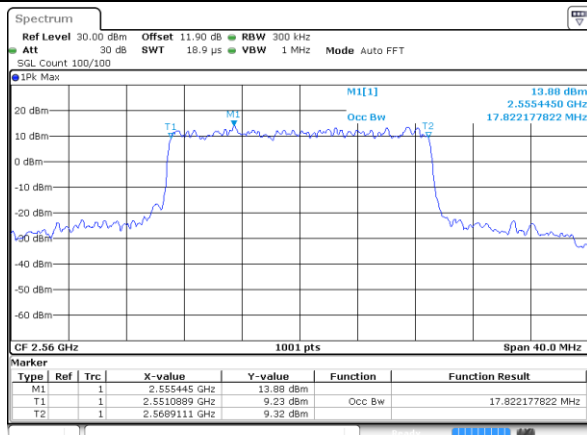
Date: 4 JAN 2020 18:47:02

**Middle Channel / 20MHz / QPSK**


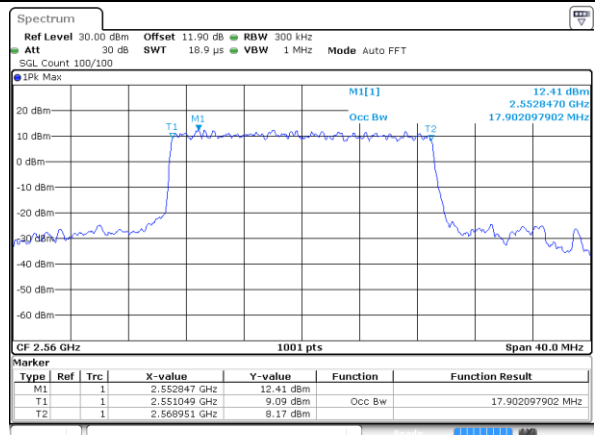
Date: 4 JAN 2020 18:51:53

**Middle Channel / 20MHz / 16QAM**


Date: 4 JAN 2020 18:52:05

**Highest Channel / 20MHz / QPSK**


Date: 4 JAN 2020 18:54:05

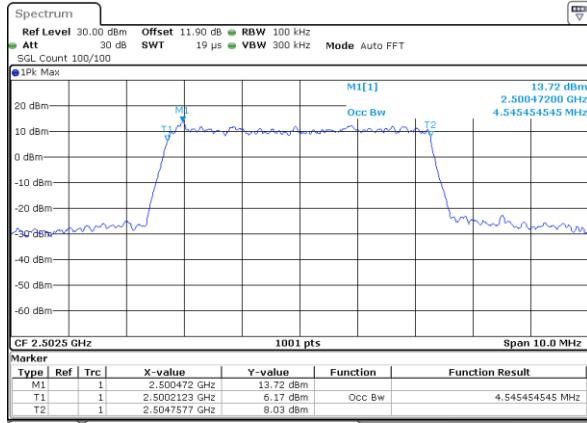
**Highest Channel / 20MHz / 16QAM**


Date: 4 JAN 2020 18:54:18



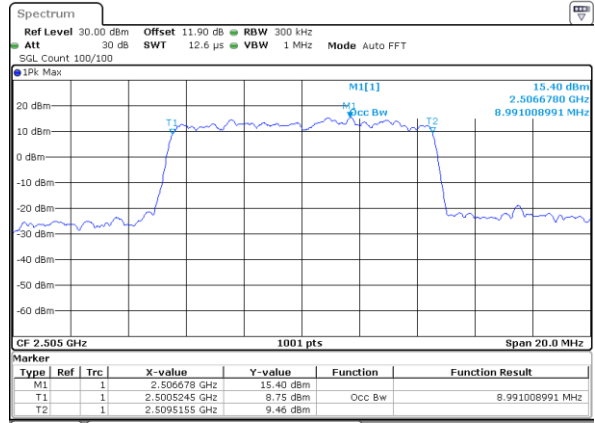
## LTE Band 7

## Lowest Channel / 5MHz / 64QAM



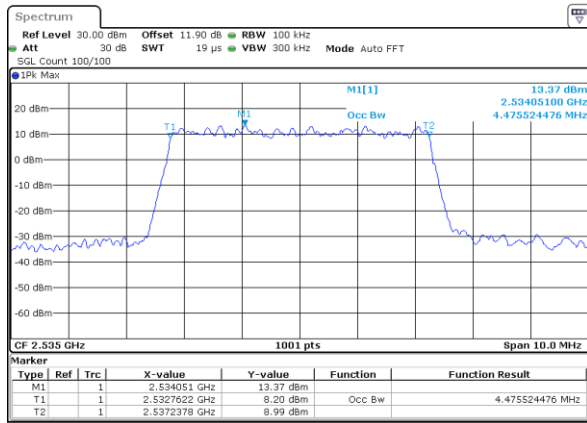
Date: 4 JAN 2020 18:03:51

## Lowest Channel / 10MHz / 64QAM



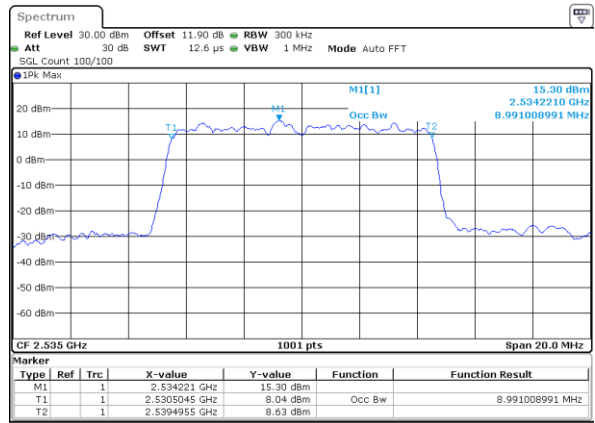
Date: 4 JAN 2020 18:22:17

## Middle Channel / 5MHz / 64QAM



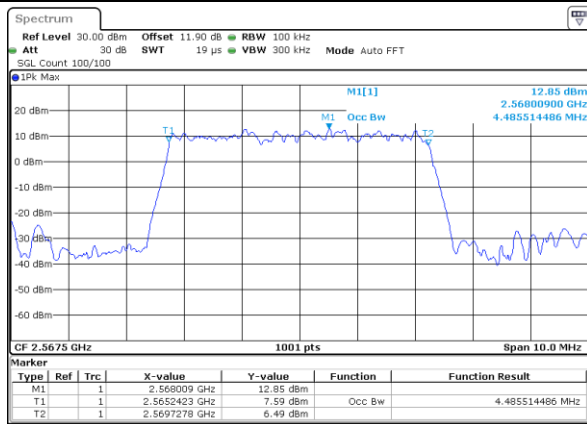
Date: 4 JAN 2020 18:06:22

## Middle Channel / 10MHz / 64QAM



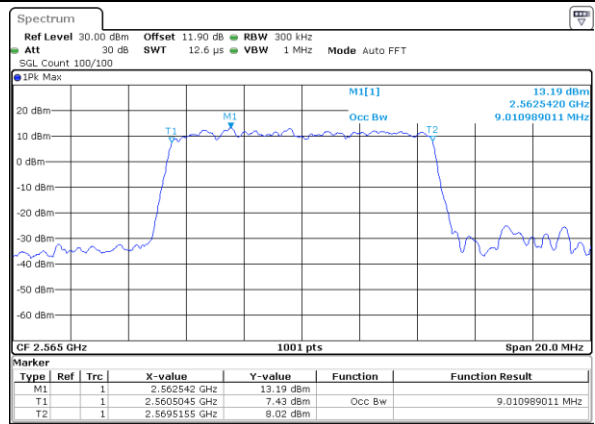
Date: 4 JAN 2020 18:24:47

## Highest Channel / 5MHz / 64QAM



Date: 4 JAN 2020 18:07:28

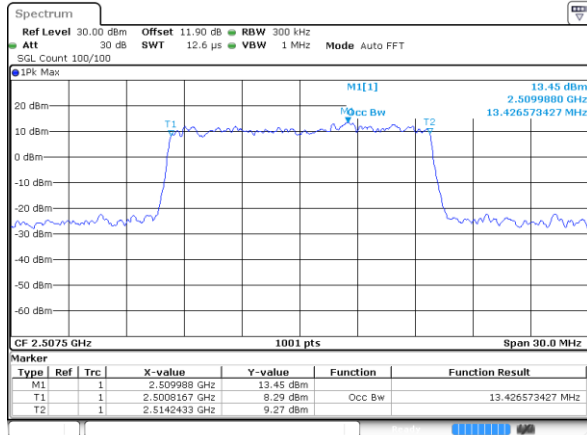
## Highest Channel / 10MHz / 64QAM



Date: 4 JAN 2020 18:25:54

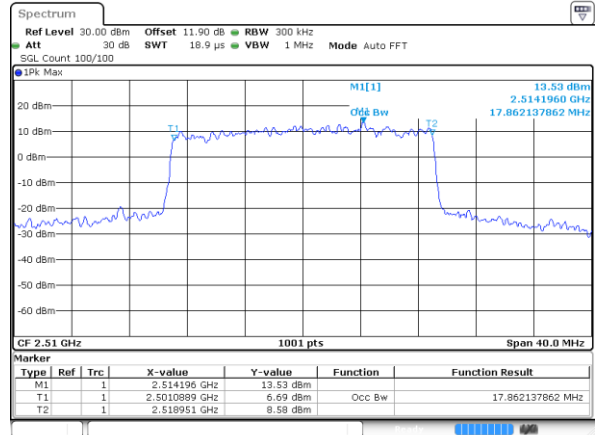
## LTE Band 7

### Lowest Channel / 15MHz / 64QAM



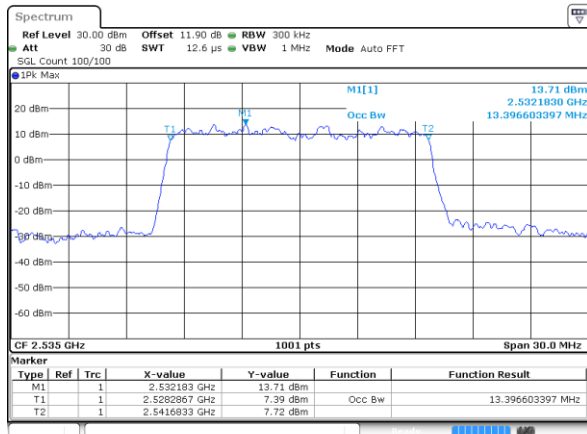
Date: 4 JAN 2020 18:40:41

### Lowest Channel / 20MHz / 64QAM



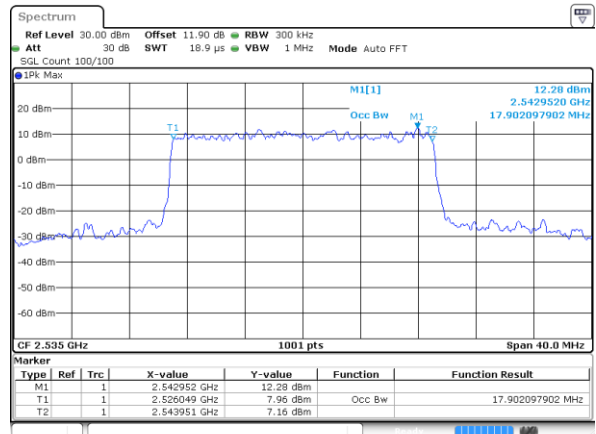
Date: 4 JAN 2020 18:59:07

### Middle Channel / 15MHz / 64QAM



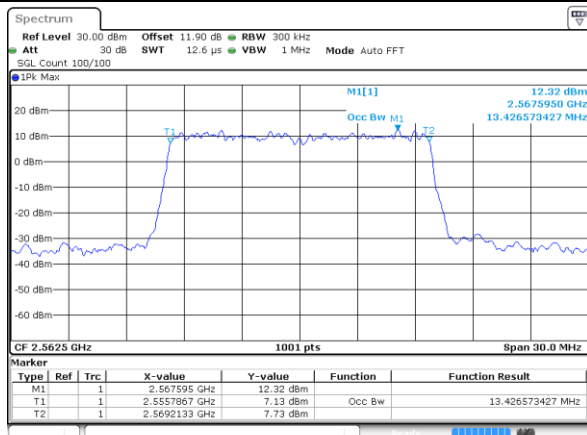
Date: 4 JAN 2020 18:43:12

### Middle Channel / 20MHz / 64QAM



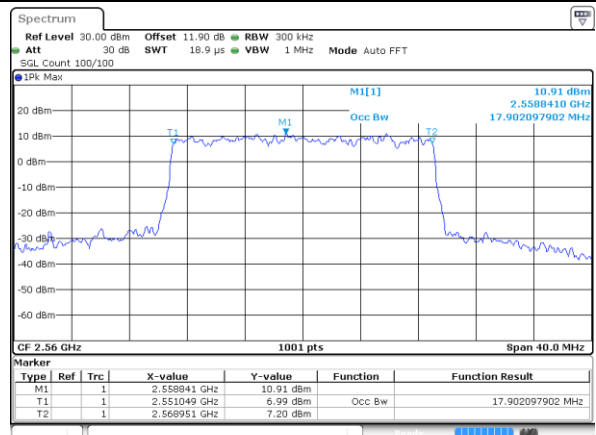
Date: 4 JAN 2020 19:01:38

### Highest Channel / 15MHz / 64QAM

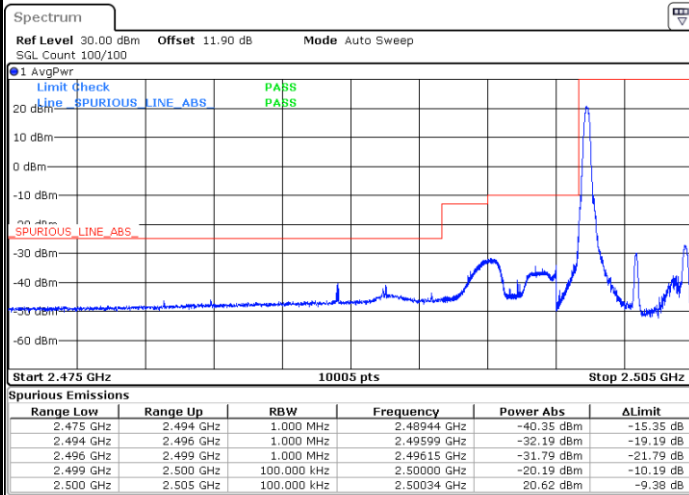
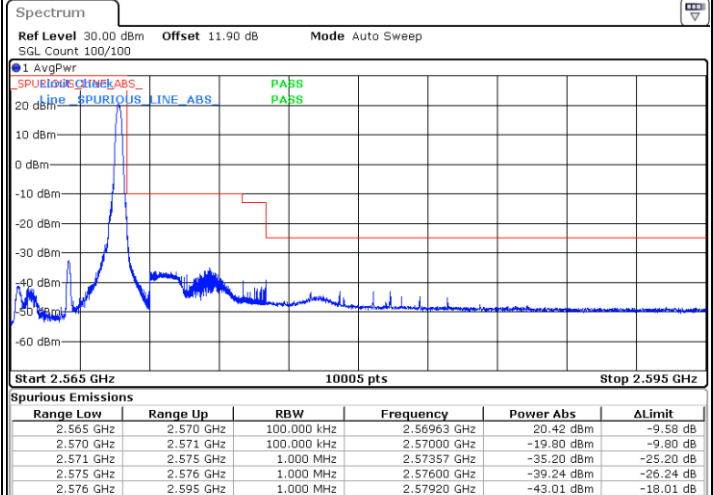
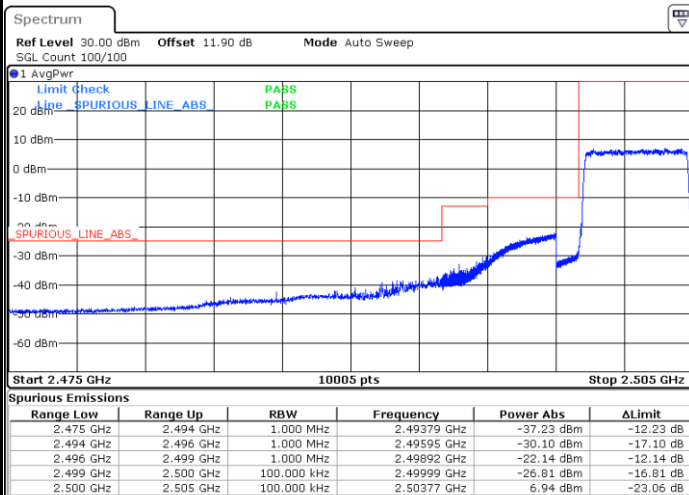
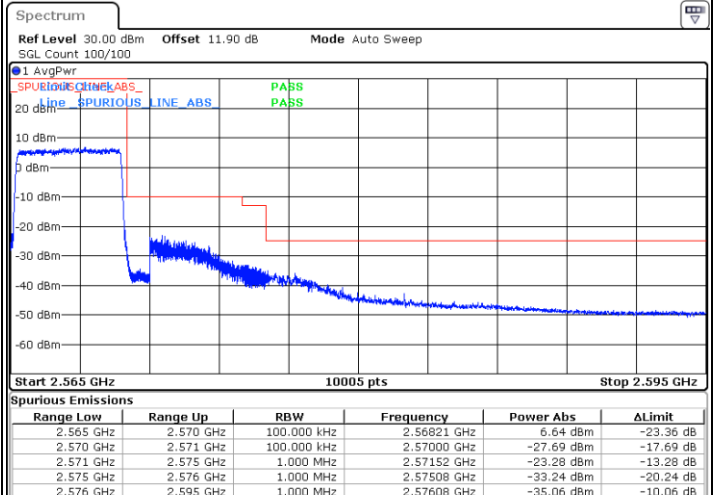


Date: 4 JAN 2020 18:44:18

### Highest Channel / 20MHz / 64QAM



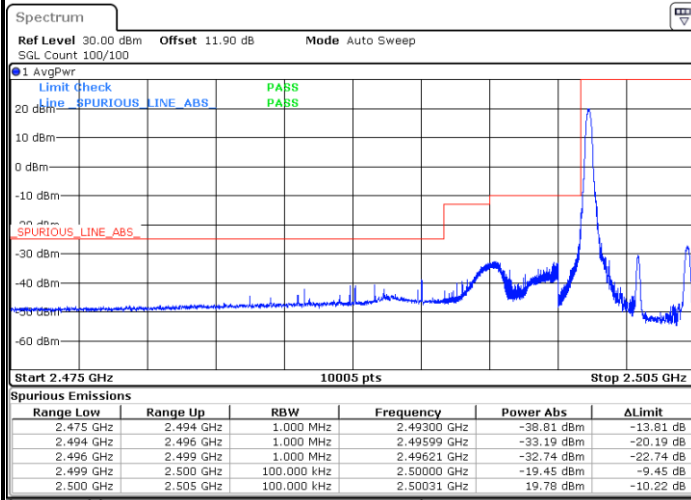
Date: 4 JAN 2020 19:02:45

**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**

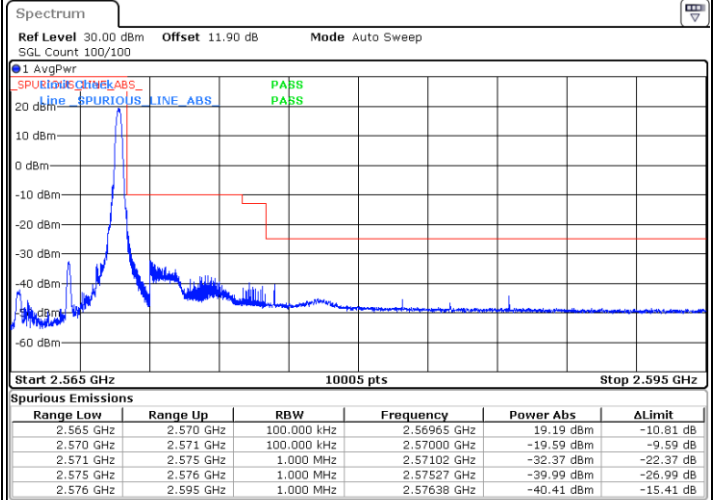


## LTE Band 7 / 5MHz / 16QAM

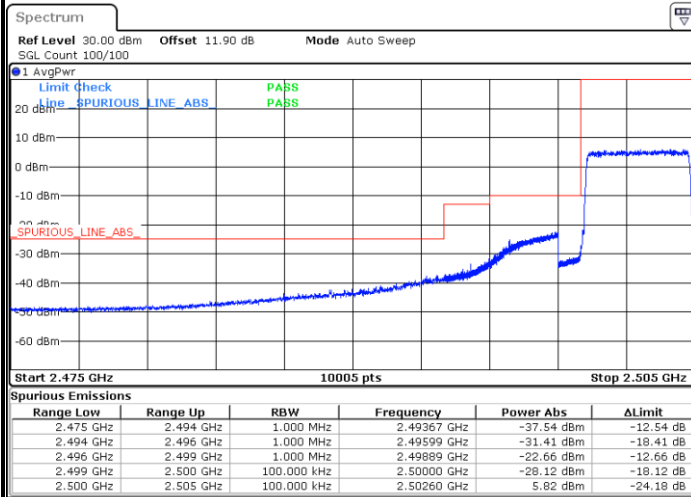
## Lowest Band Edge / 1 RB



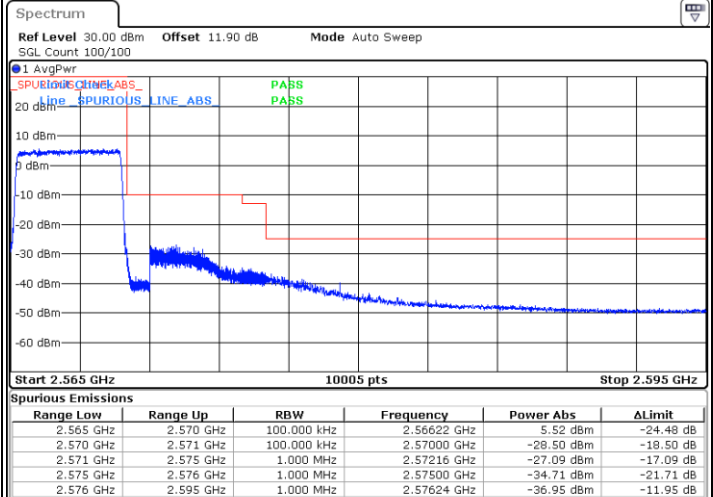
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



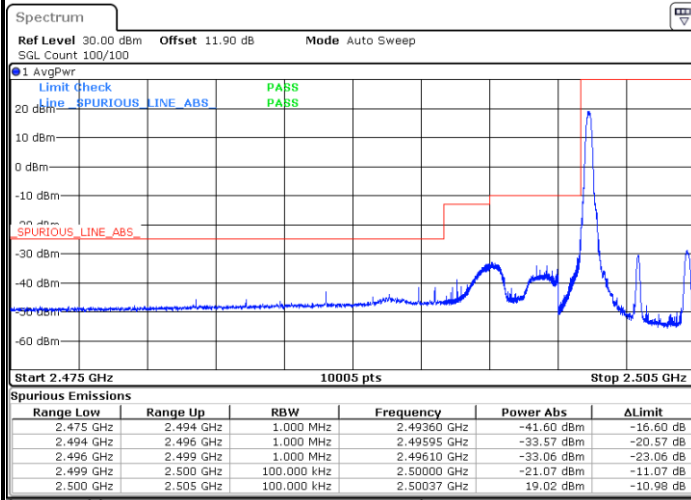
## Highest Band Edge / Full RB



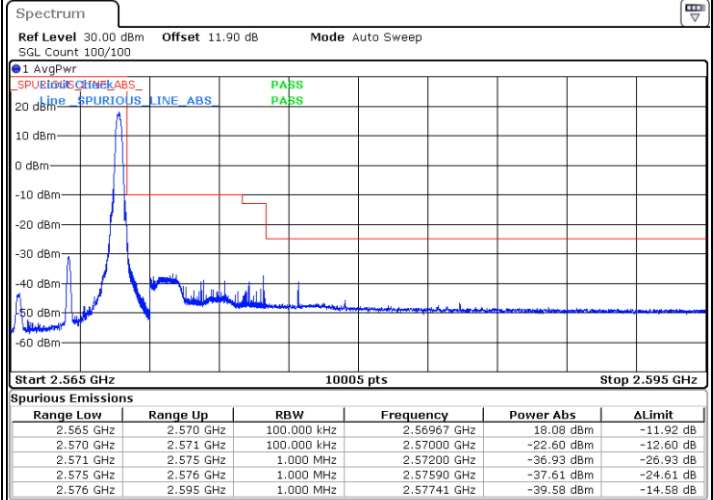


## LTE Band 7 / 5MHz / 64QAM

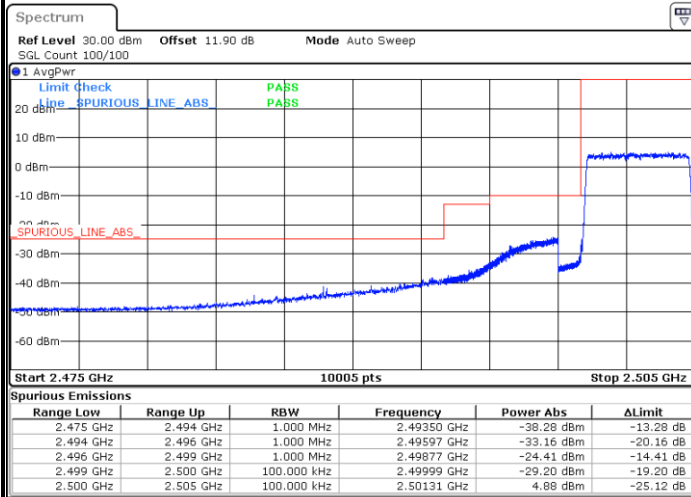
## Lowest Band Edge / 1RB



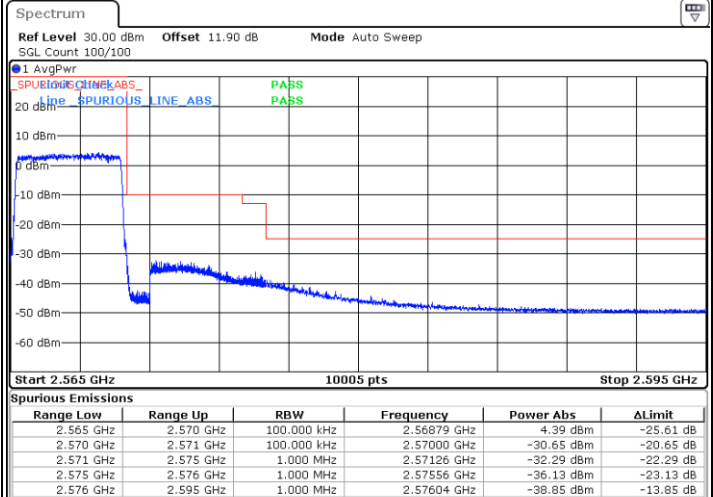
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



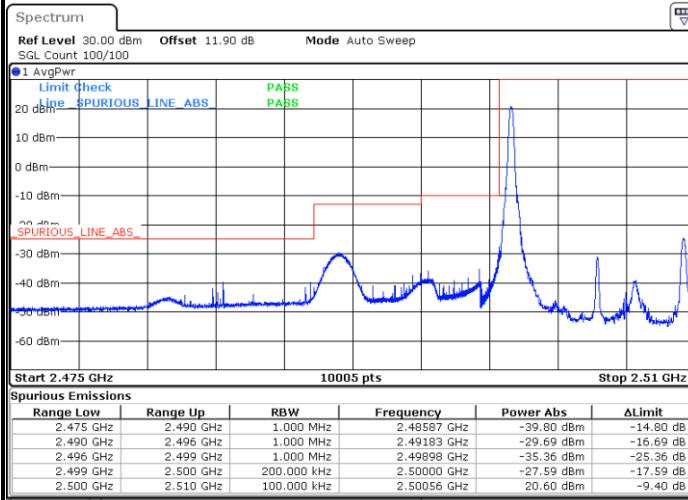
## Highest Band Edge / Full RB



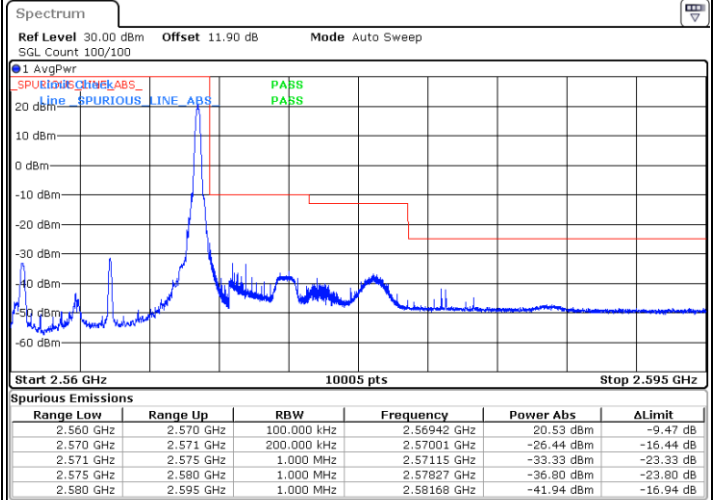


## LTE Band 7 / 10MHz / QPSK

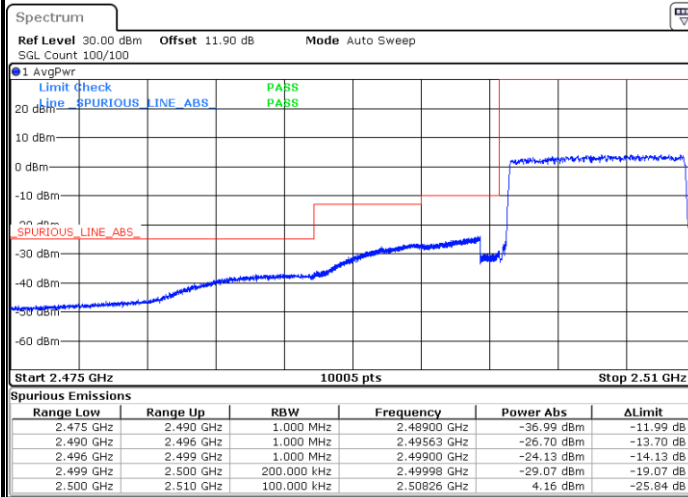
## Lowest Band Edge / 1 RB



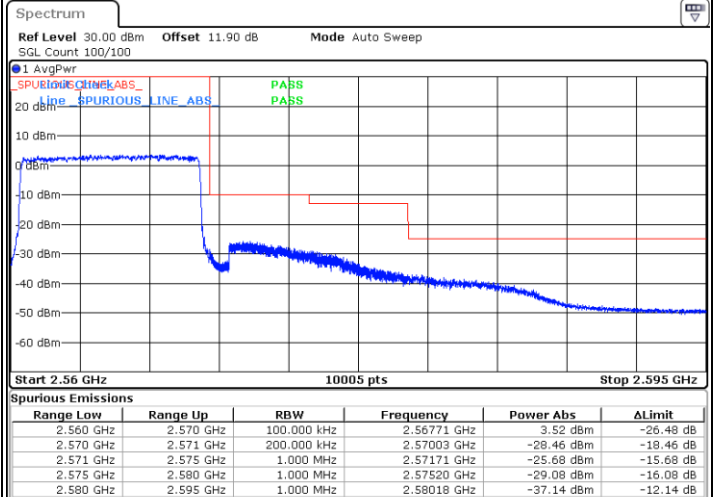
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



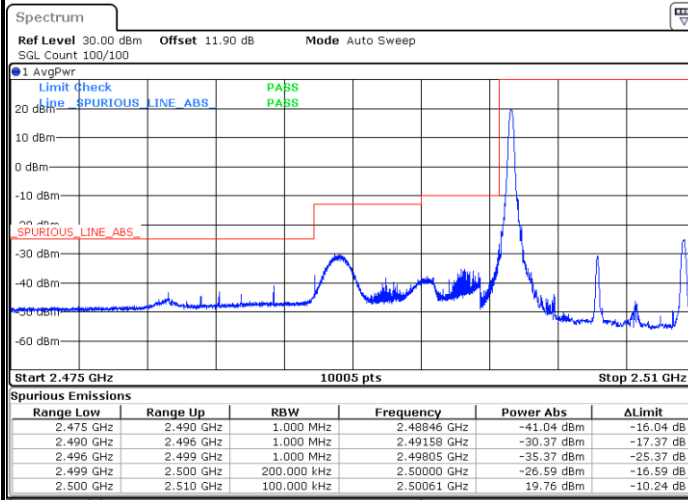
## Highest Band Edge / Full RB



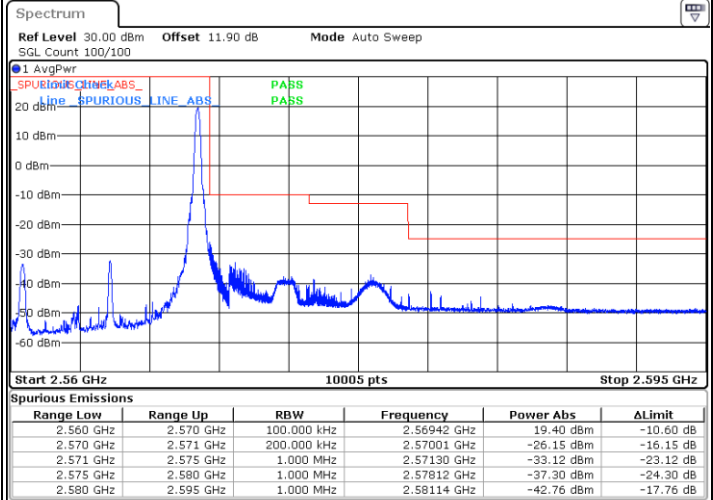


## LTE Band 7 / 10MHz / 16QAM

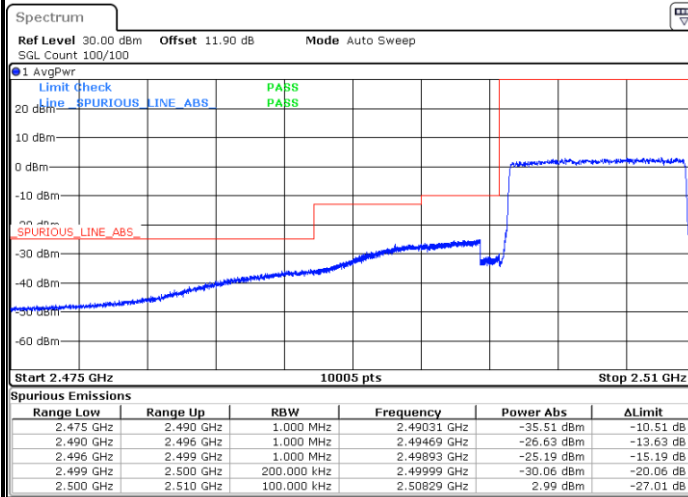
## Lowest Band Edge / 1 RB



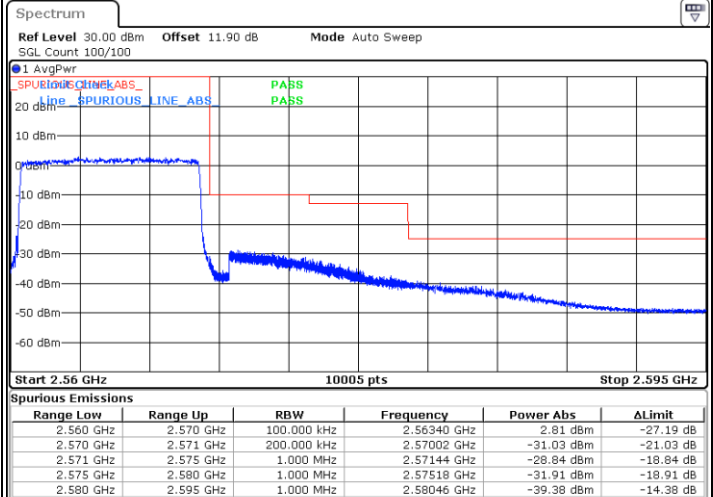
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



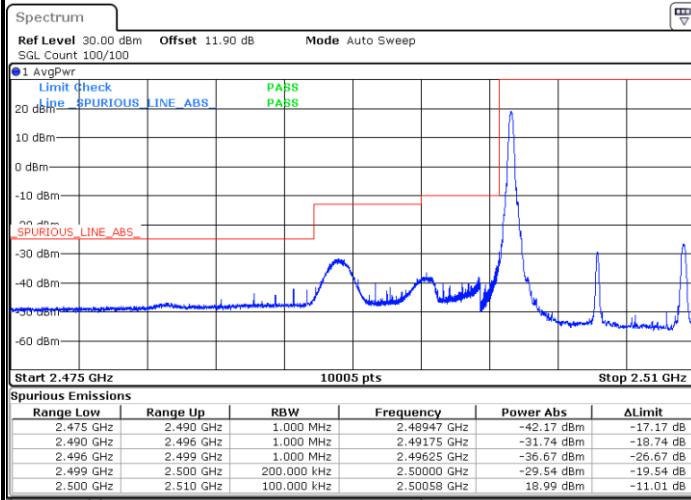
## Highest Band Edge / Full RB



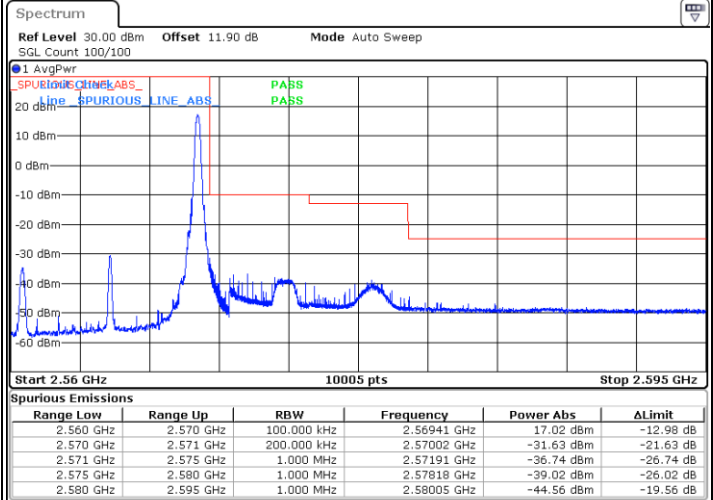


## LTE Band 7 / 10MHz / 64QAM

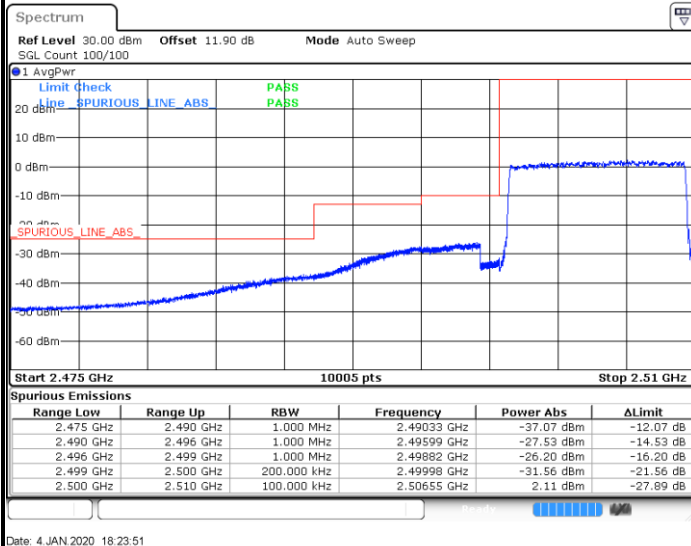
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

