

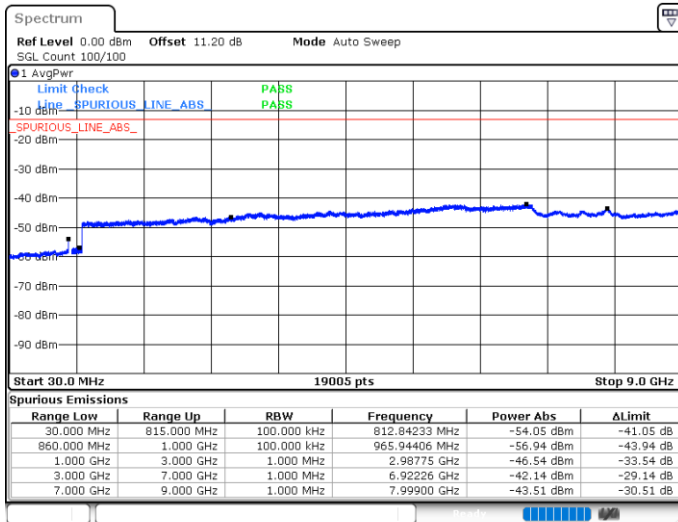


## LTE Band 5B / 10MHz+5MHz

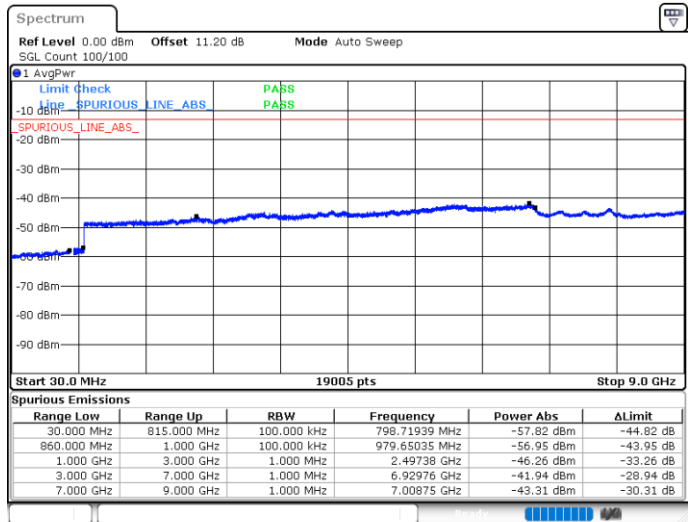
## 64QAM

## Highest Channel / 1RB0 and 1RB24

## Highest Channel / 1RB49 and 1RB0



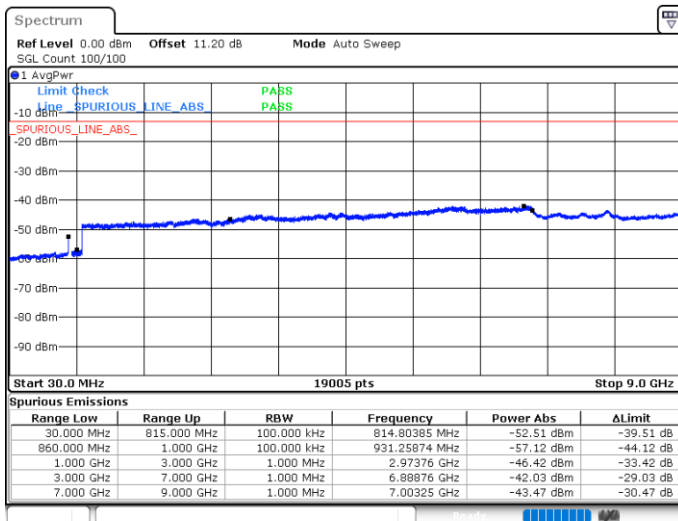
Date: 10.JUN.2020 23:57:14



Date: 10.JUN.2020 23:56:19

## Highest Channel / FullIRB

## N/A



Date: 11.JUN.2020 00:01:57

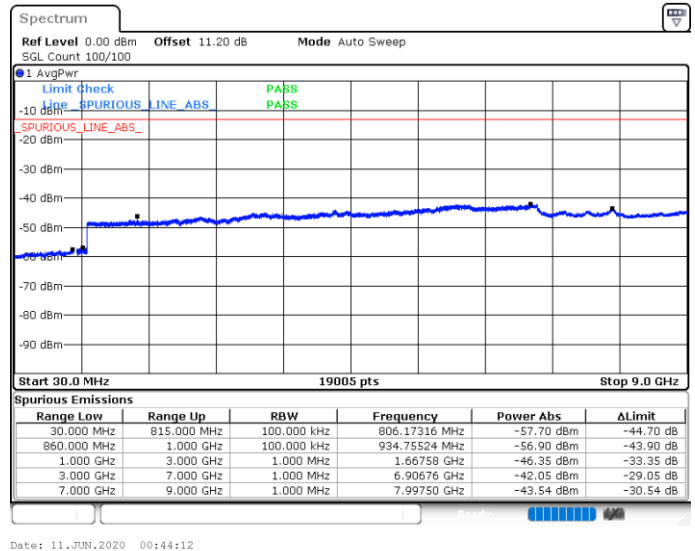
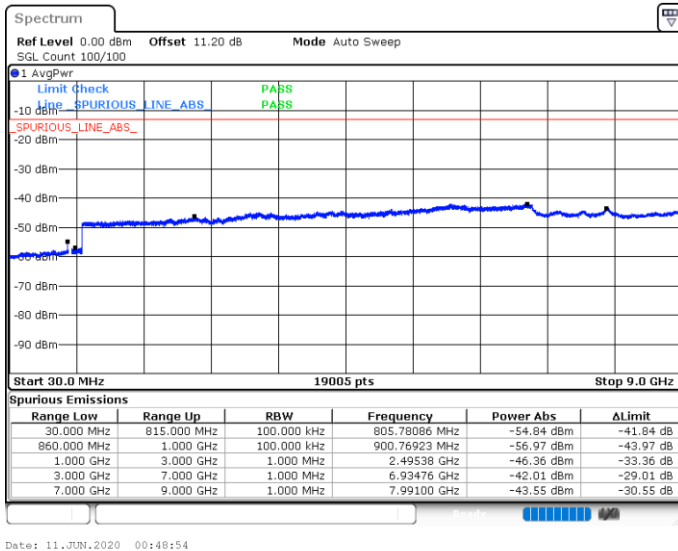


## LTE Band 5B / 10MHz+10MHz

## 64QAM

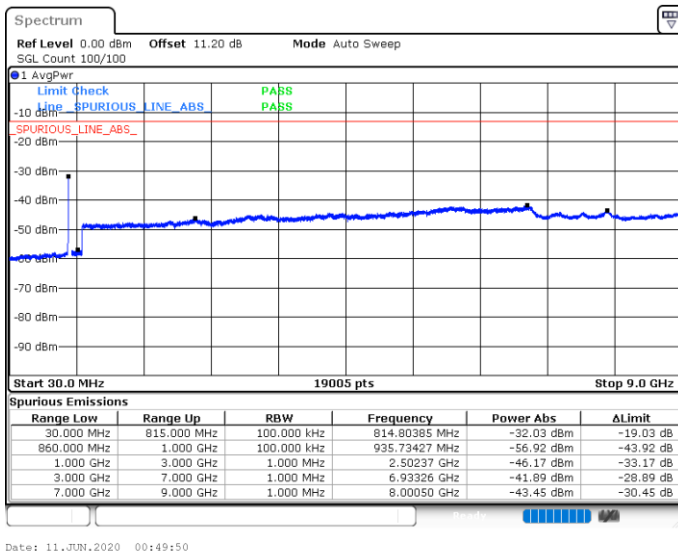
## Lowest Channel / 1RB0 and 1RB49

## Lowest Channel / 1RB49 and 1RB0



## Lowest Channel / FullIRB

## N/A



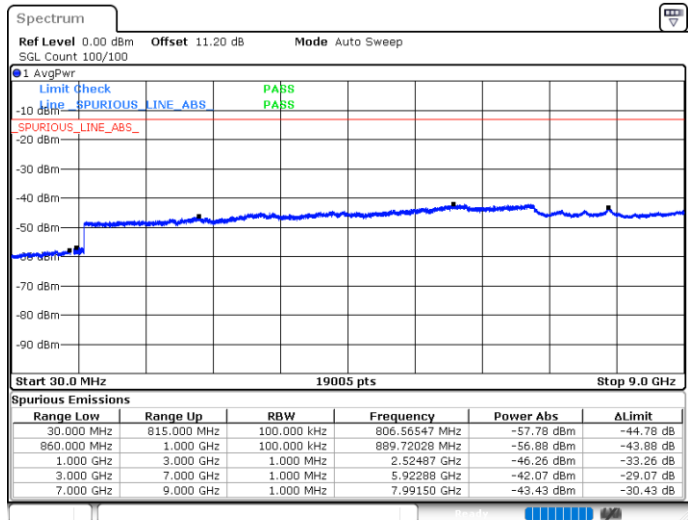
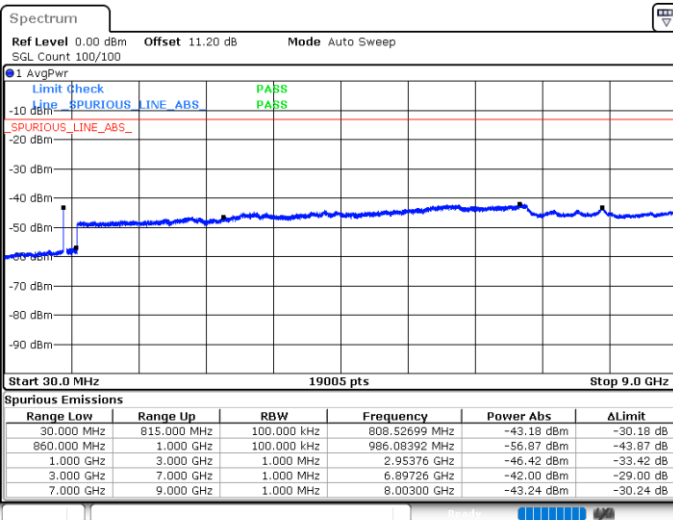


## LTE Band 5B / 10MHz+10MHz

## 64QAM

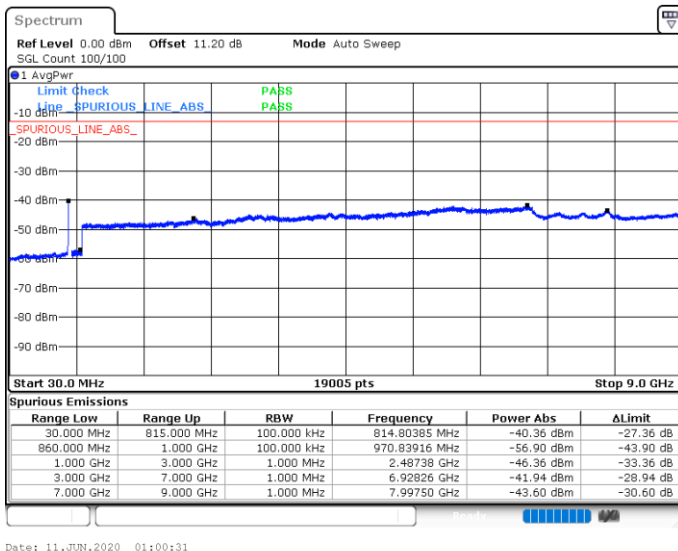
## Middle Channel / 1RB0 and 1RB49

## Middle Channel / 1RB49 and 1RB0



## Middle Channel / FullIRB

## N/A



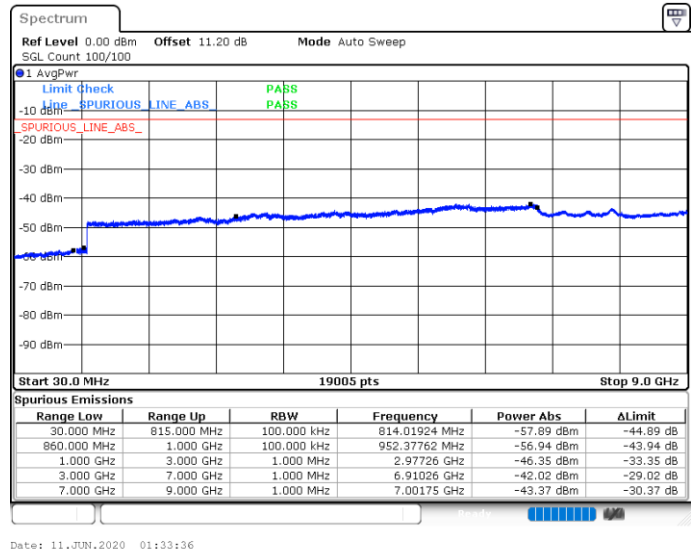
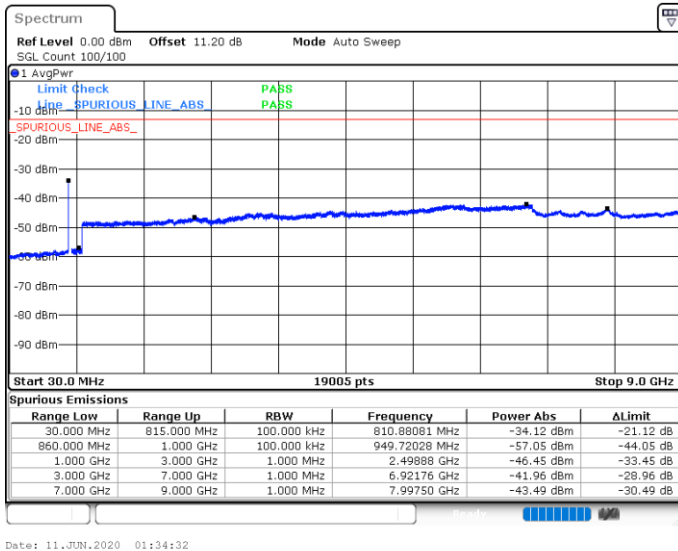


## LTE Band 5B / 10MHz+10MHz

## 64QAM

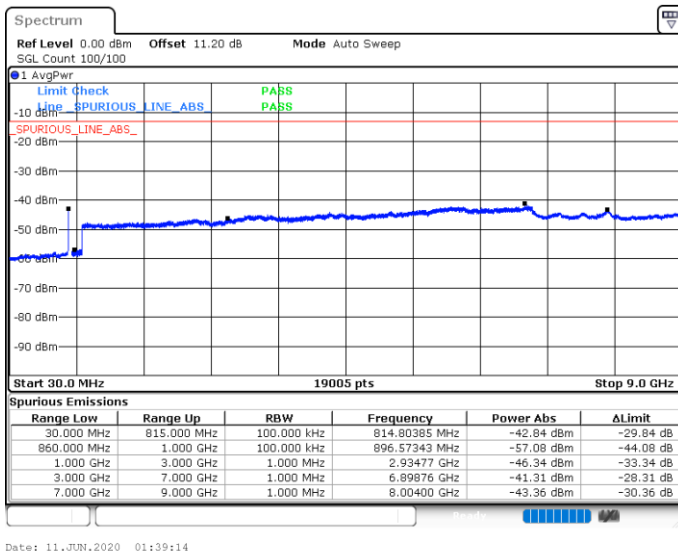
## Highest Channel / 1RB0 and 1RB49

## Highest Channel / 1RB49 and 1RB0



## Highest Channel / FullIRB

## N/A



## LTE Band 7

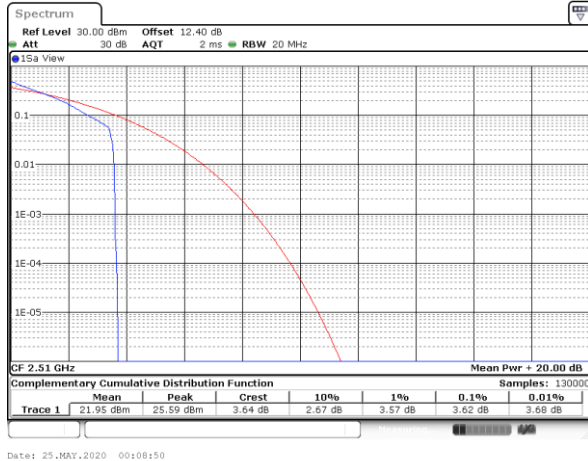
### Peak-to-Average Ratio

| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.62               | 4.96    | 5.59  | 5.86    | PASS        |
| Middle CH  | 3.57               | 5.07    | 5.57  | 6.00    |             |
| Highest CH | 3.59               | 5.04    | 5.36  | 6.03    |             |
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
| Mod.       | 64QAM              |         |       |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB |       |         | Result      |
| Lowest CH  | 5.33               | 5.88    | -     | -       | PASS        |
| Middle CH  | 5.30               | 5.94    | -     | -       |             |
| Highest CH | 5.59               | 5.97    | -     | -       |             |

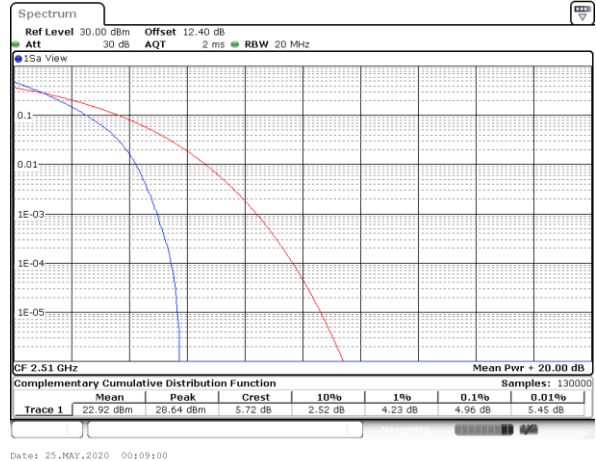


## LTE Band 7 / 20MHz / QPSK

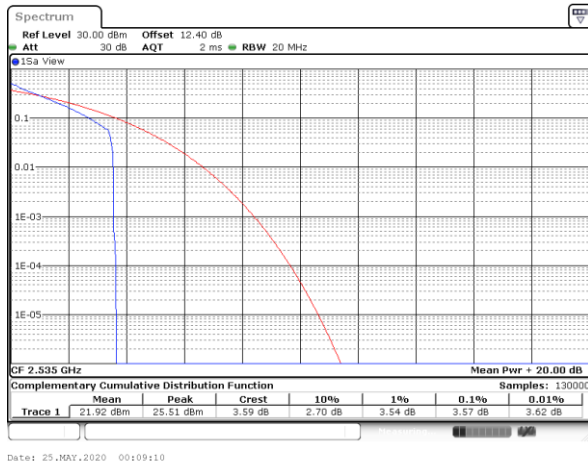
## Lowest Channel / 1RB



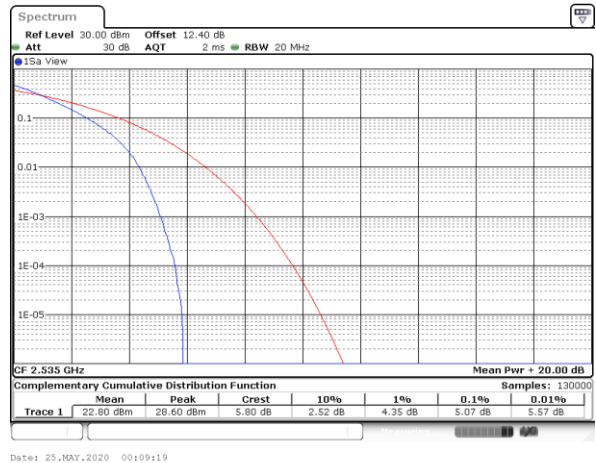
## Lowest Channel / Full RB



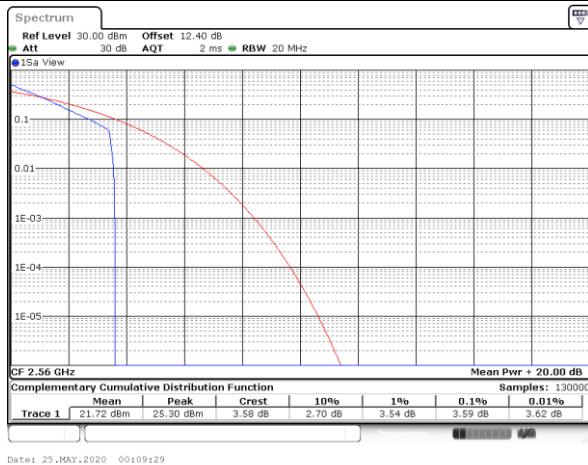
## Middle Channel / 1RB



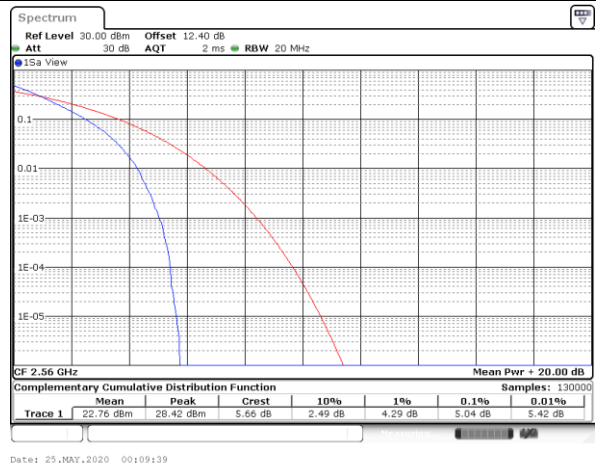
## Middle Channel / Full RB



## Highest Channel / 1RB



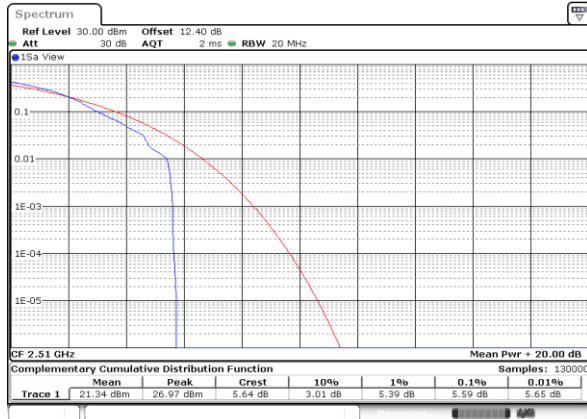
## Highest Channel / Full RB



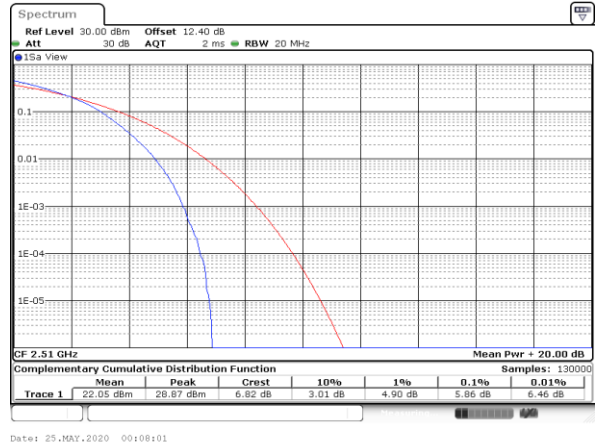


## LTE Band 7 / 20MHz / 16QAM

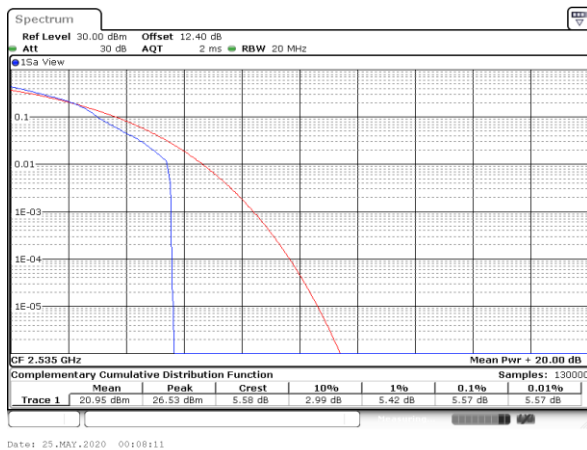
## Lowest Channel / 1RB



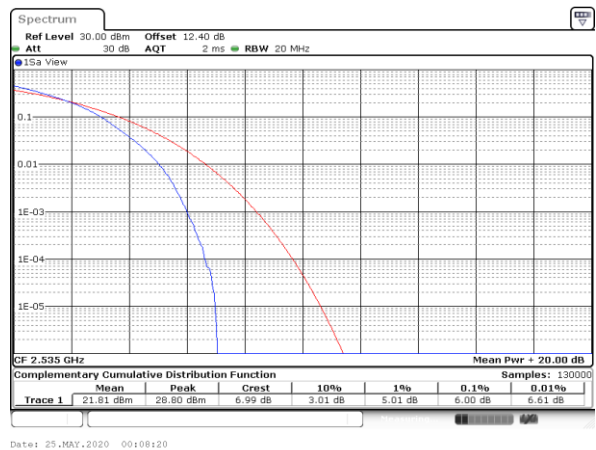
## Lowest Channel / Full RB



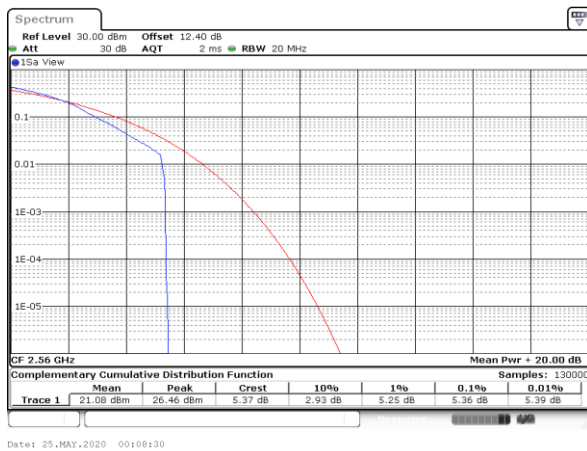
## Middle Channel / 1RB



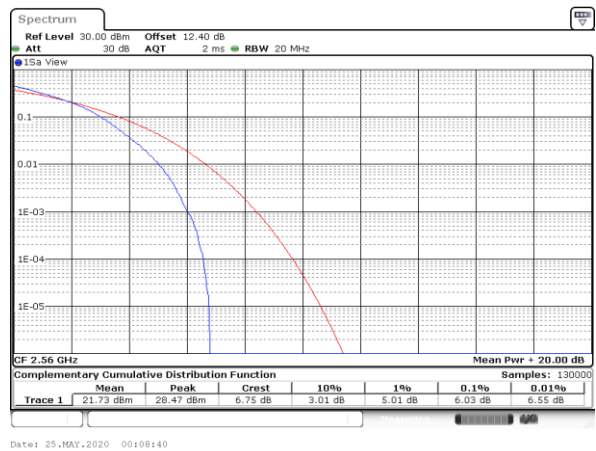
## Middle Channel / Full RB



## Highest Channel / 1RB



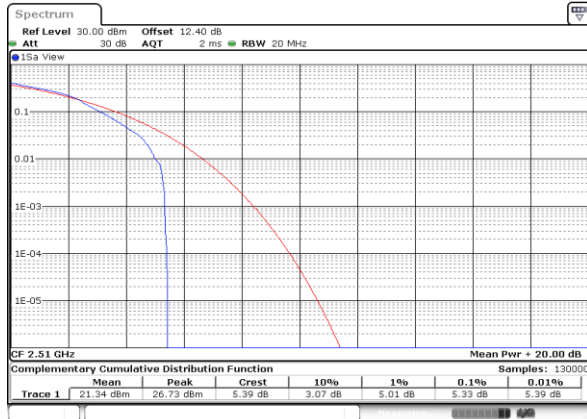
## Highest Channel / Full RB



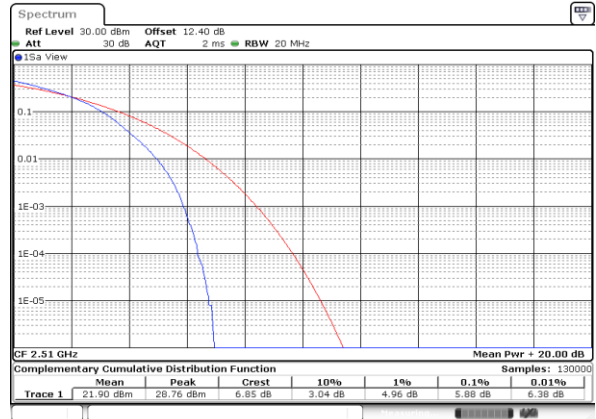


## LTE Band 7 / 20MHz / 64QAM

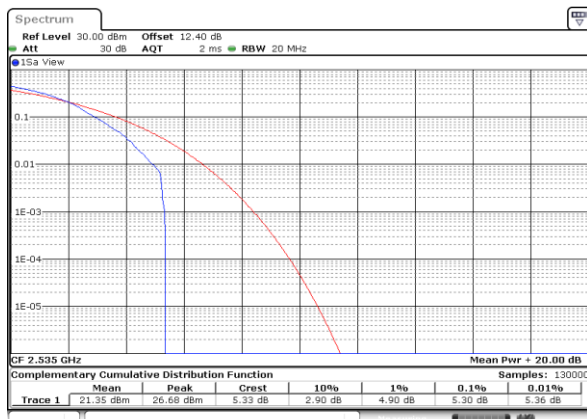
## Lowest Channel / 1RB



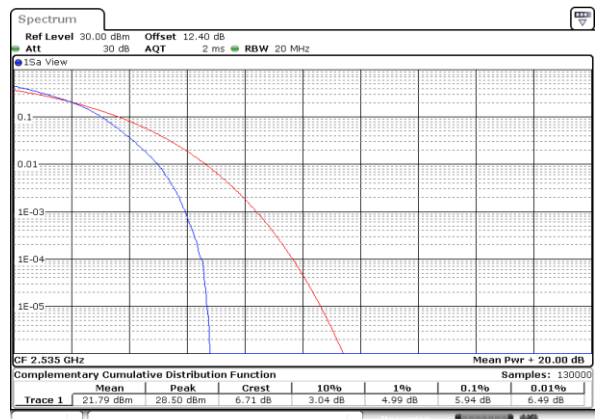
## Lowest Channel / Full RB



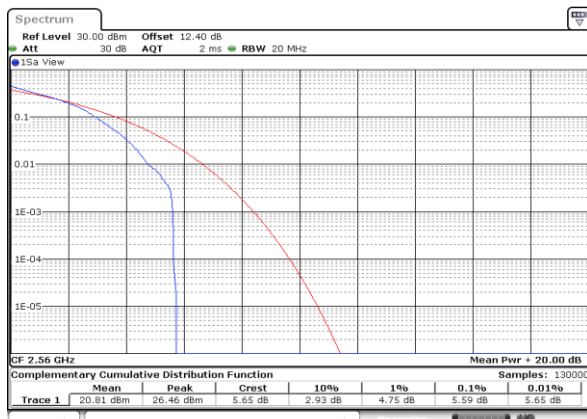
## Middle Channel / 1RB



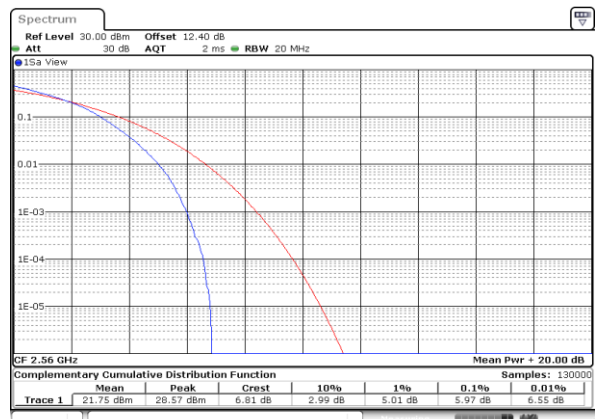
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



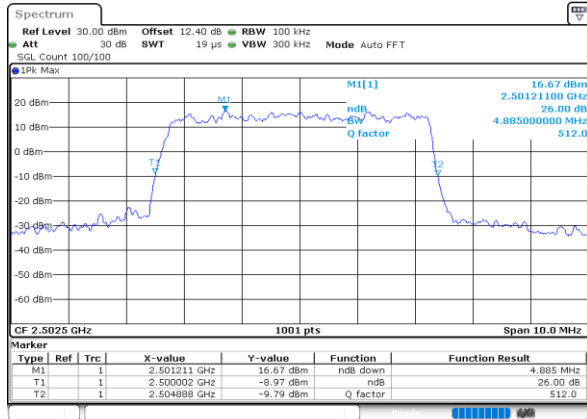
**26dB Bandwidth**

| Mode       | LTE Band 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  | 4.90  | 9.81  | 9.69  | 14.45 | 14.48 | 18.98 | 18.94 |
| Middle CH  | -                         | -     | -     | -     | 4.89  | 4.88  | 9.77  | 9.87  | 14.30 | 14.51 | 18.86 | 18.66 |
| Highest CH | -                         | -     | -     | -     | 4.98  | 4.87  | 9.79  | 9.77  | 14.42 | 14.54 | 19.06 | 18.74 |
| 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  | -     | 9.73  | -     | 14.18 | -     | 19.06 | -     |
| Middle CH  | -                         | -     | -     | -     | 4.88  | -     | 9.83  | -     | 14.60 | -     | 19.02 | -     |
| Highest CH | -                         | -     | -     | -     | 4.81  | -     | 9.85  | -     | 14.33 | -     | 19.14 | -     |

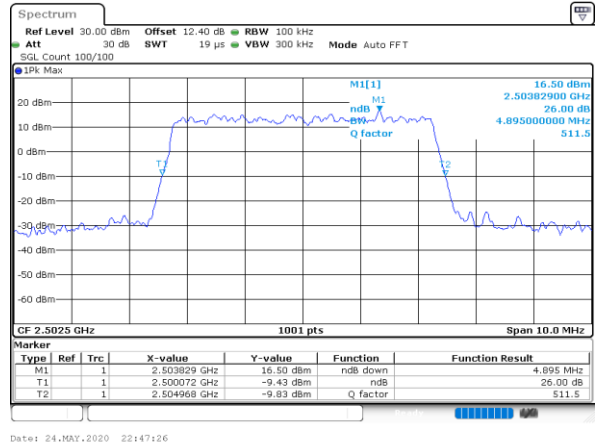


## LTE Band 7

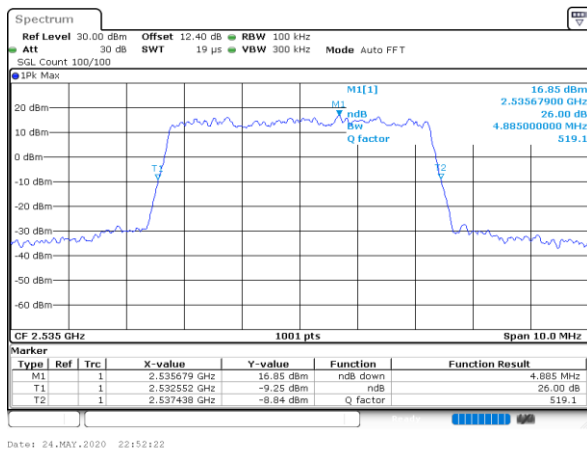
## Lowest Channel / 5MHz / QPSK



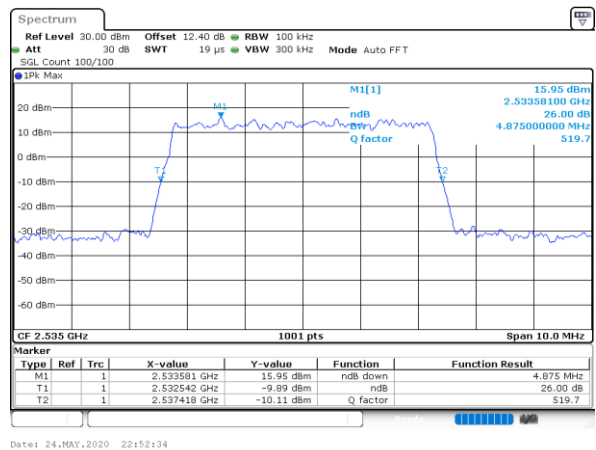
## Lowest Channel / 5MHz / 16QAM



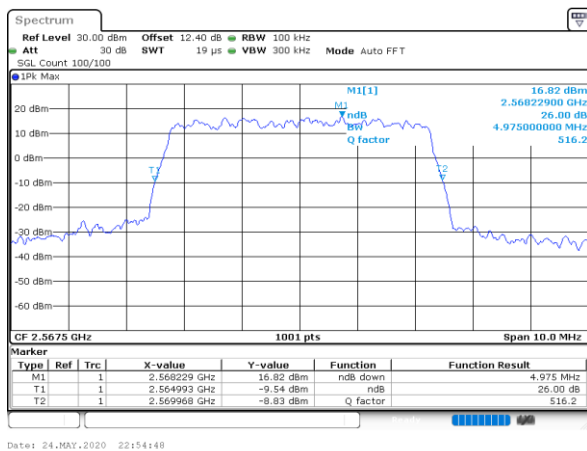
## Middle Channel / 5MHz / QPSK



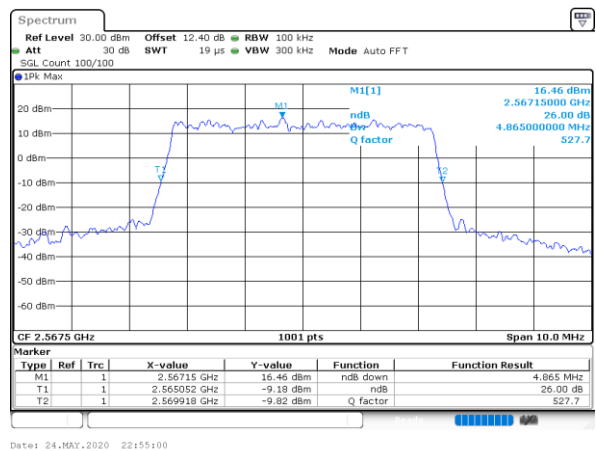
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



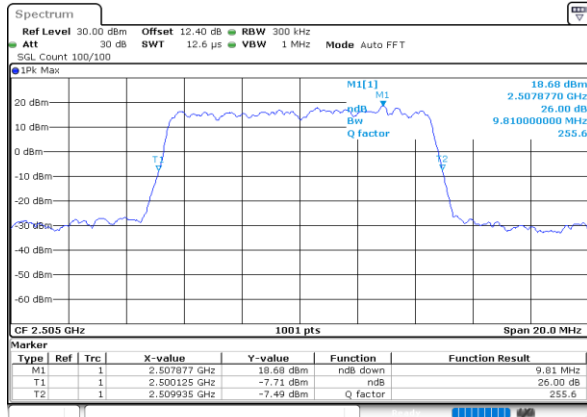
## Highest Channel / 5MHz / 16QAM



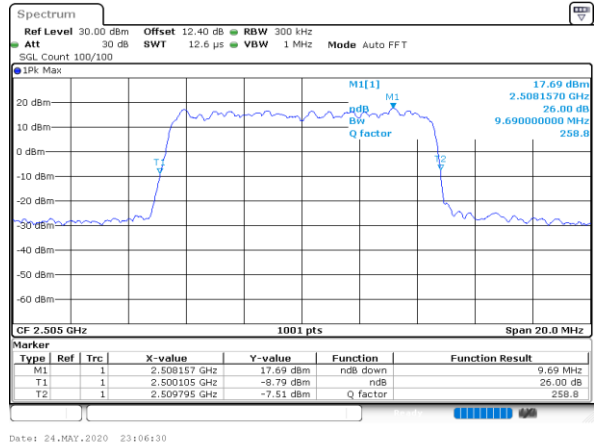


## LTE Band 7

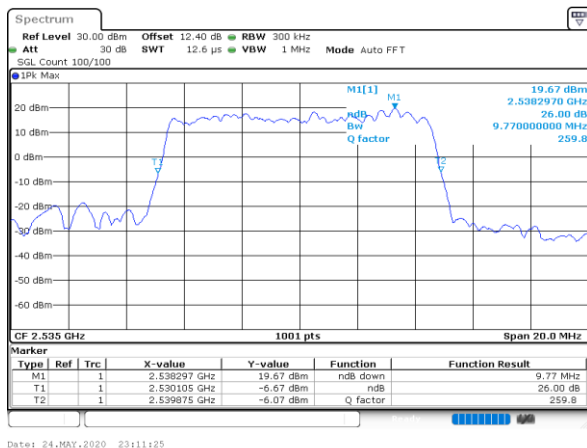
## Lowest Channel / 10MHz / QPSK



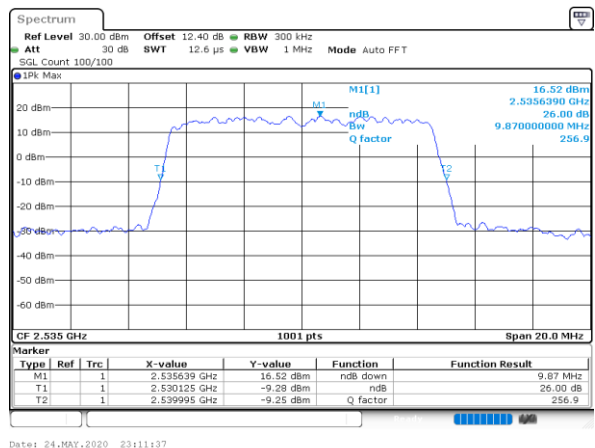
## Lowest Channel / 10MHz / 16QAM



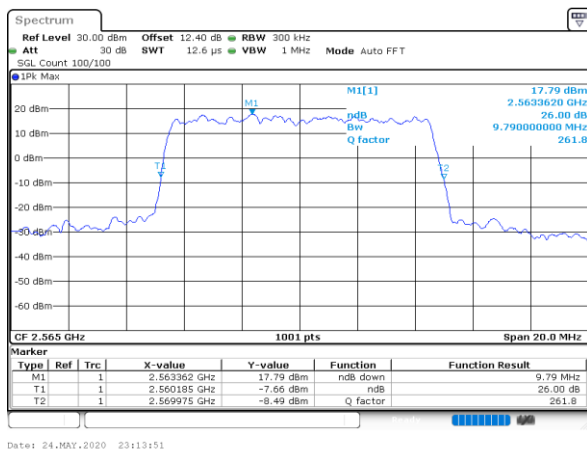
## Middle Channel / 10MHz / QPSK



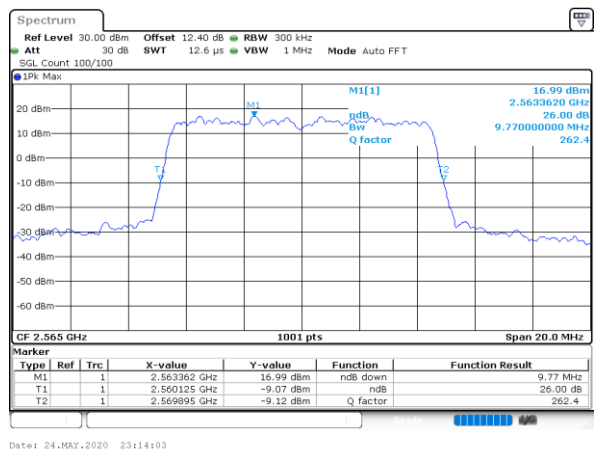
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



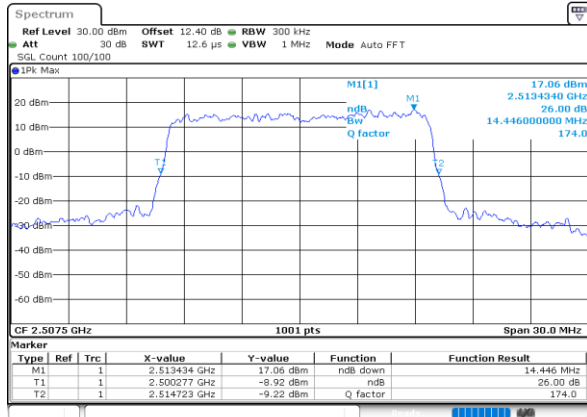
## Highest Channel / 10MHz / 16QAM



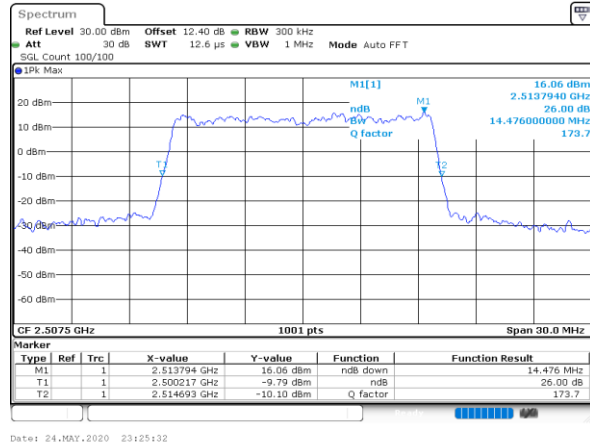


## LTE Band 7

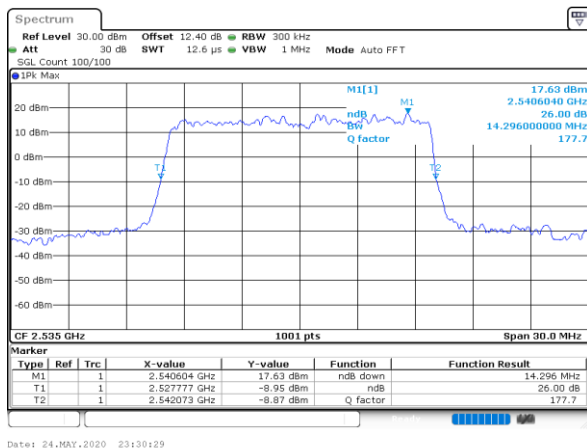
## Lowest Channel / 15MHz / QPSK



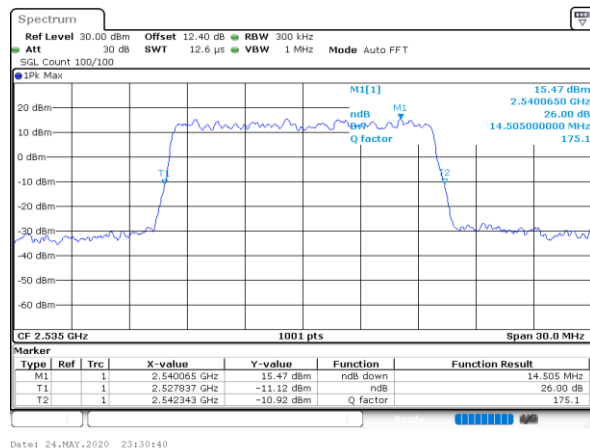
## Lowest Channel / 15MHz / 16QAM



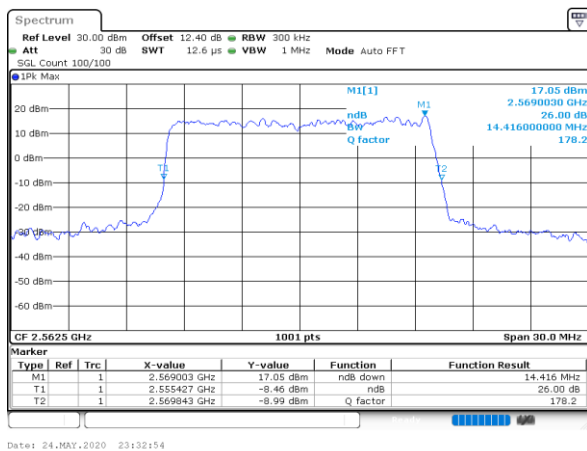
## Middle Channel / 15MHz / QPSK



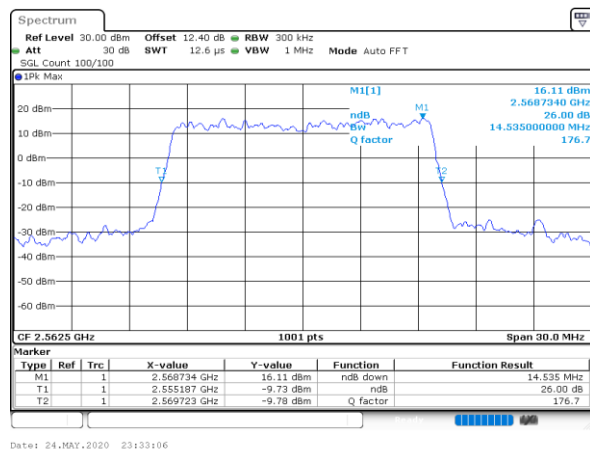
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



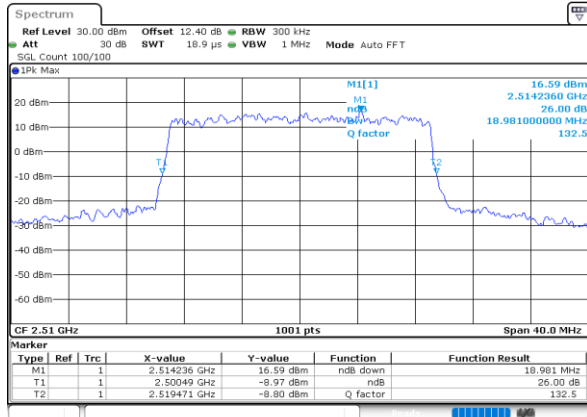
## Highest Channel / 15MHz / 16QAM



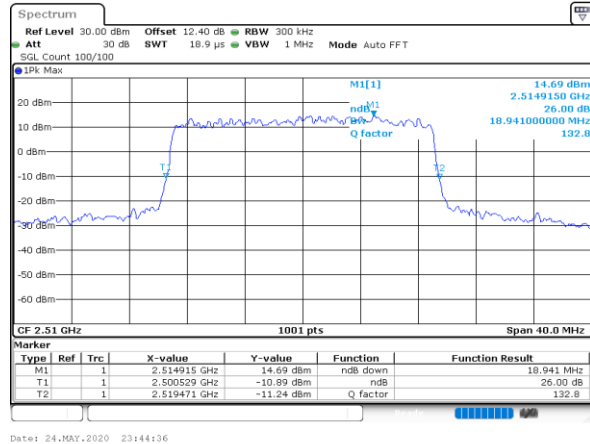


## LTE Band 7

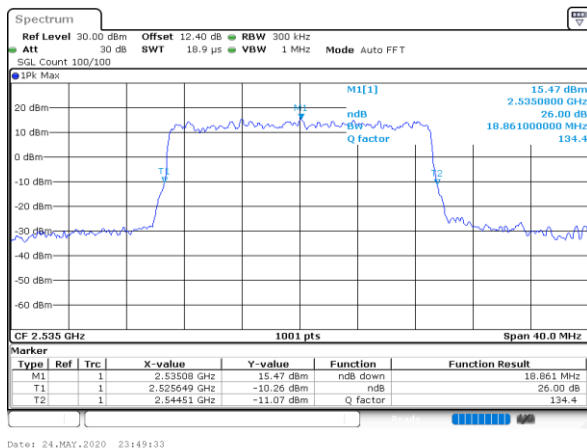
## Lowest Channel / 20MHz / QPSK



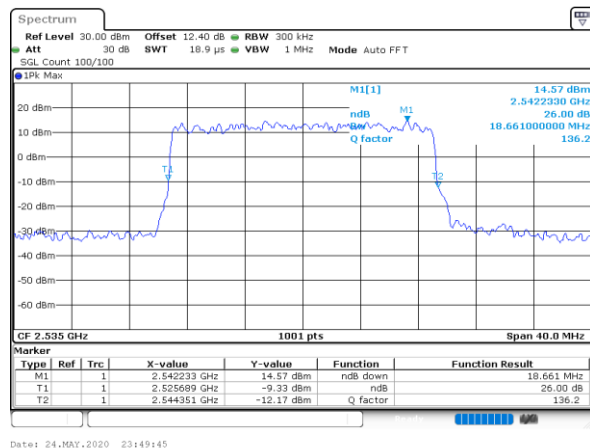
## Lowest Channel / 20MHz / 16QAM



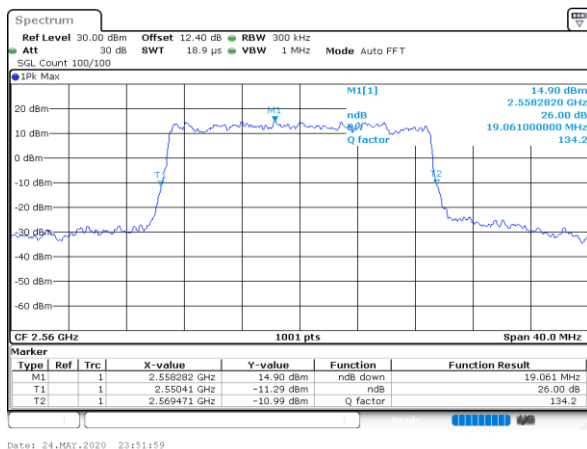
## Middle Channel / 20MHz / QPSK



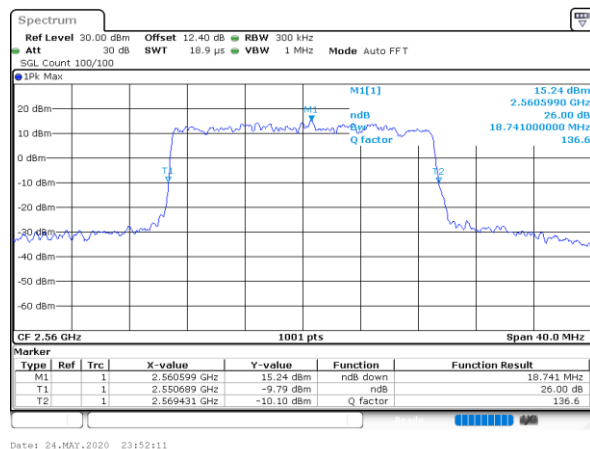
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



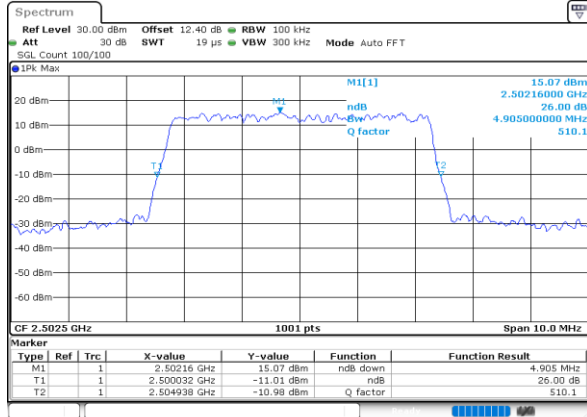
## Highest Channel / 20MHz / 16QAM



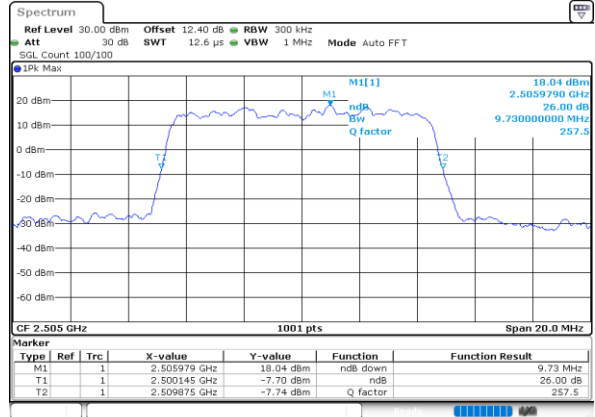


## LTE Band 7

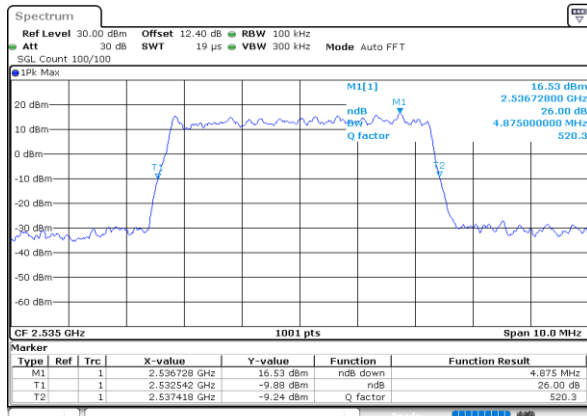
## Lowest Channel / 5MHz / 64QAM



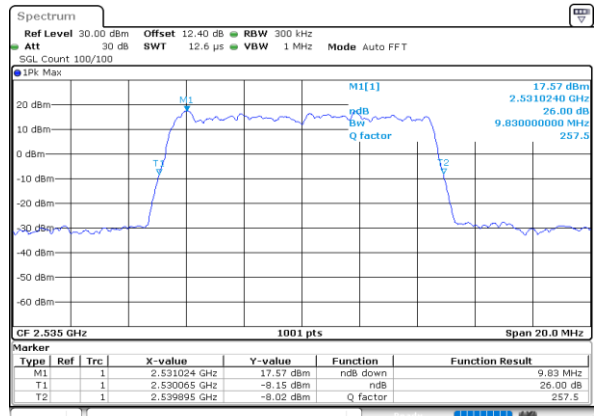
## Lowest Channel / 10MHz / 64QAM



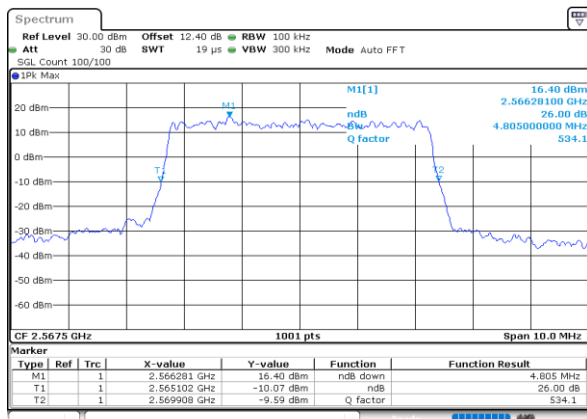
## Middle Channel / 5MHz / 64QAM



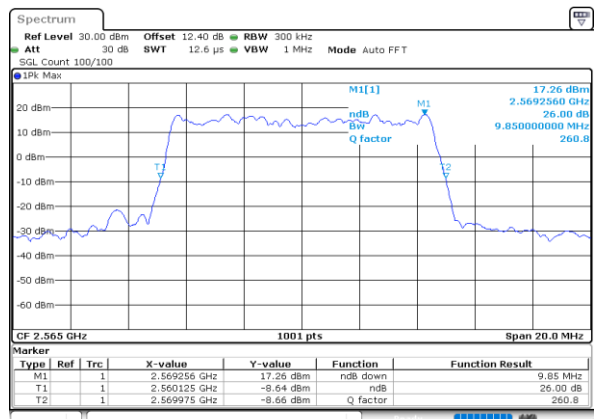
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



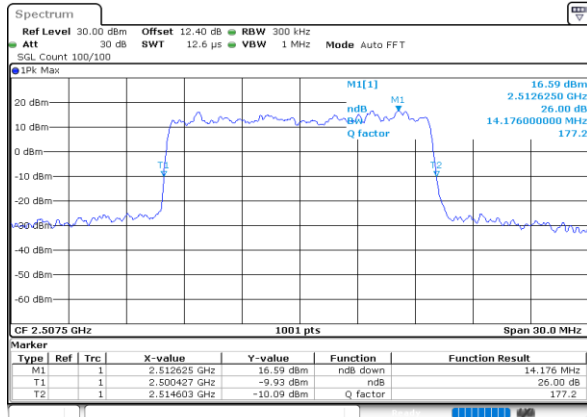
## Highest Channel / 10MHz / 64QAM



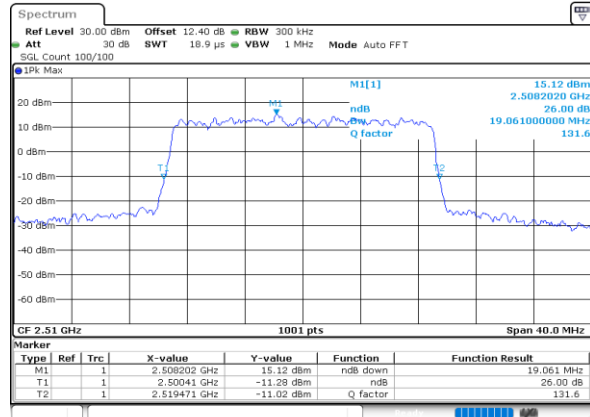


## LTE Band 7

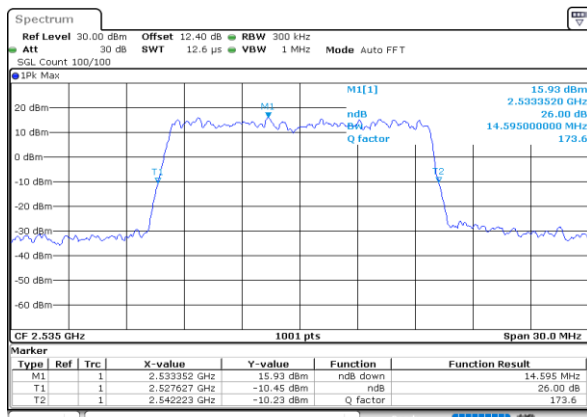
## Lowest Channel / 15MHz / 64QAM



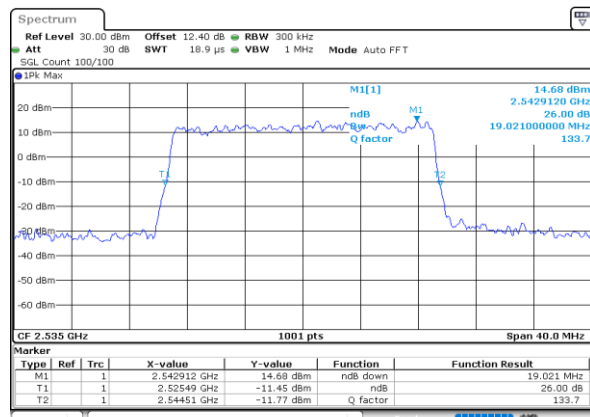
## Lowest Channel / 20MHz / 64QAM



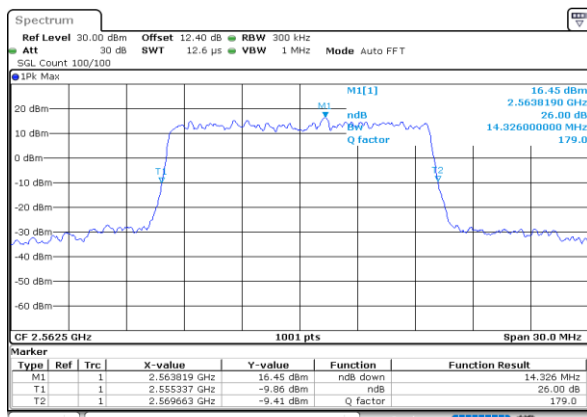
## Middle Channel / 15MHz / 64QAM



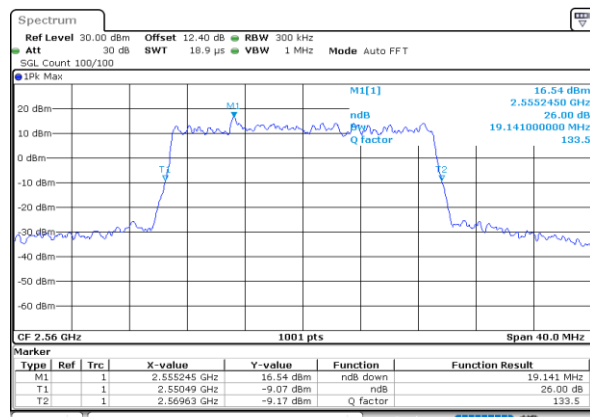
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM



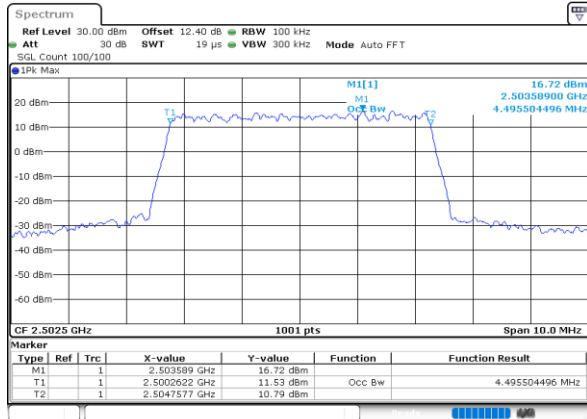
**Occupied Bandwidth**

| 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  | -                        | -     | -     | -     | 4.50  | 4.50  | 8.99  | 8.97  | 13.40 | 13.46 | 17.82 | 17.82 |
| Middle CH  | -                        | -     | -     | -     | 4.49  | 4.48  | 9.07  | 8.99  | 13.40 | 13.43 | 17.82 | 17.90 |
| Highest CH | -                        | -     | -     | -     | 4.48  | 4.50  | 9.07  | 8.99  | 13.37 | 13.49 | 17.94 | 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  | -                        | -     | -     | -     | 4.48  | -     | 9.01  | -     | 13.46 | -     | 17.86 | -     |
| Middle CH  | -                        | -     | -     | -     | 4.49  | -     | 9.01  | -     | 13.43 | -     | 17.94 | -     |
| Highest CH | -                        | -     | -     | -     | 4.48  | -     | 9.05  | -     | 13.46 | -     | 17.86 | -     |

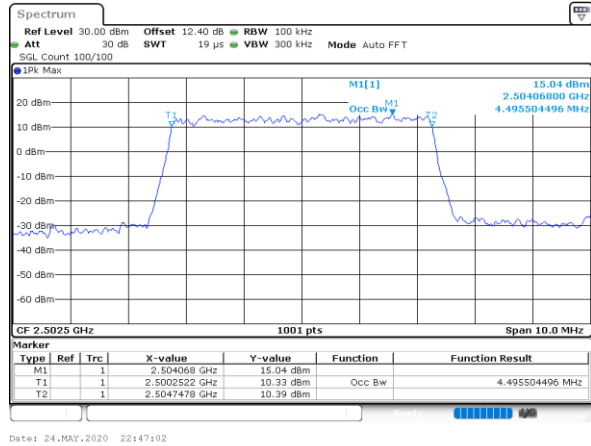


## LTE Band 7

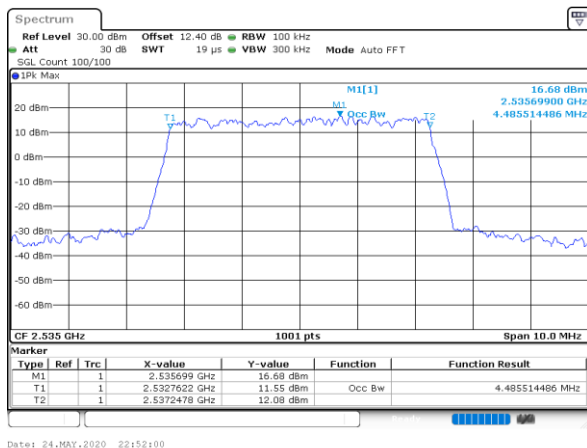
## Lowest Channel / 5MHz / QPSK



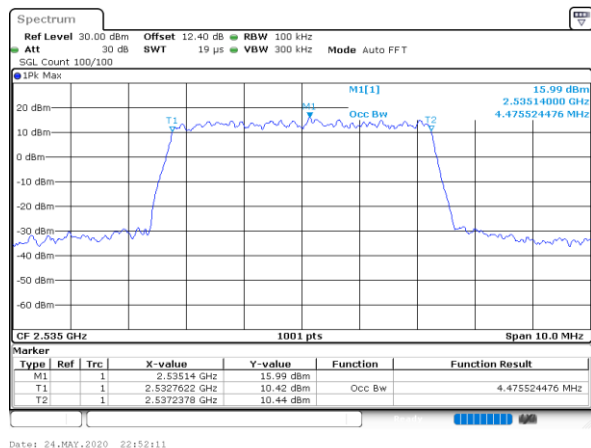
## Lowest Channel / 5MHz / 16QAM



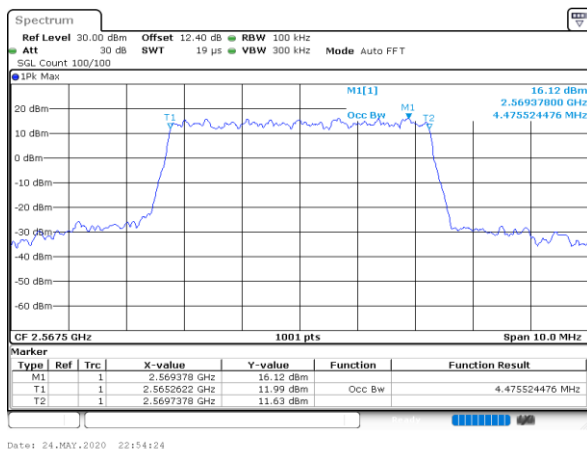
## Middle Channel / 5MHz / QPSK



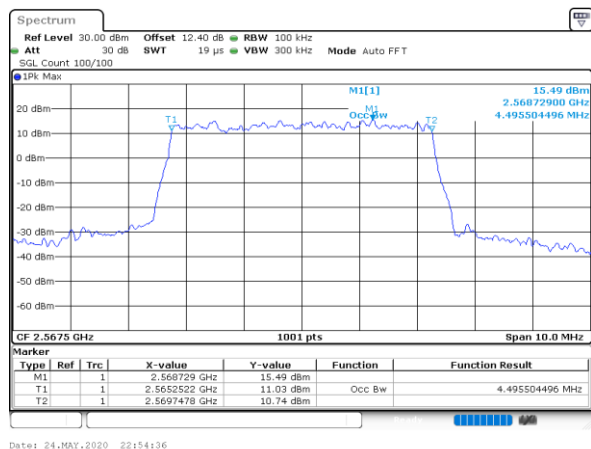
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



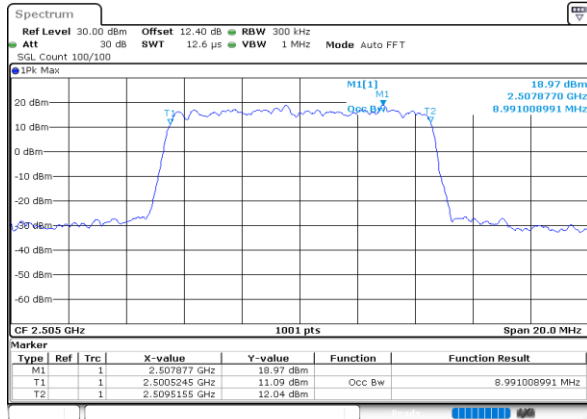
## Highest Channel / 5MHz / 16QAM



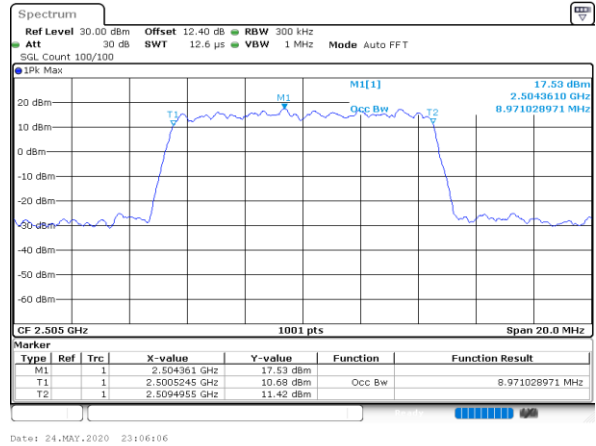


## LTE Band 7

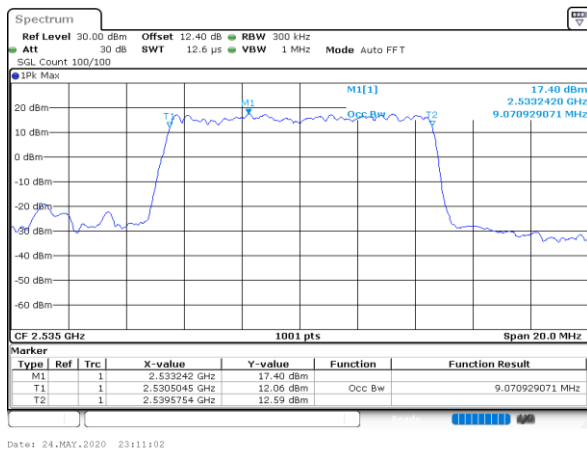
## Lowest Channel / 10MHz / QPSK



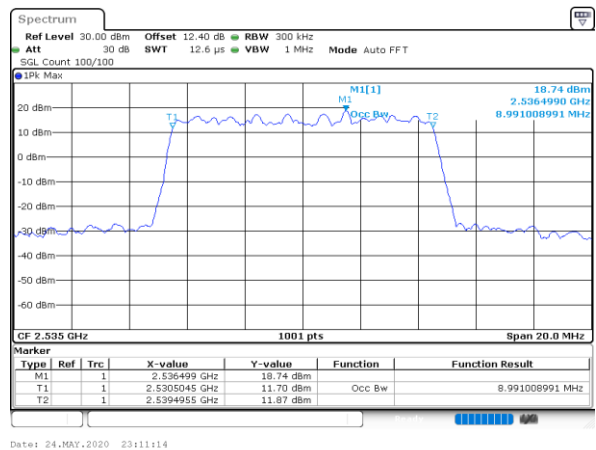
## Lowest Channel / 10MHz / 16QAM



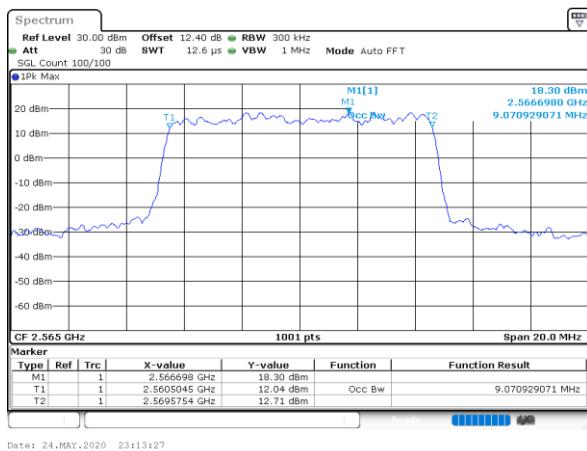
## Middle Channel / 10MHz / QPSK



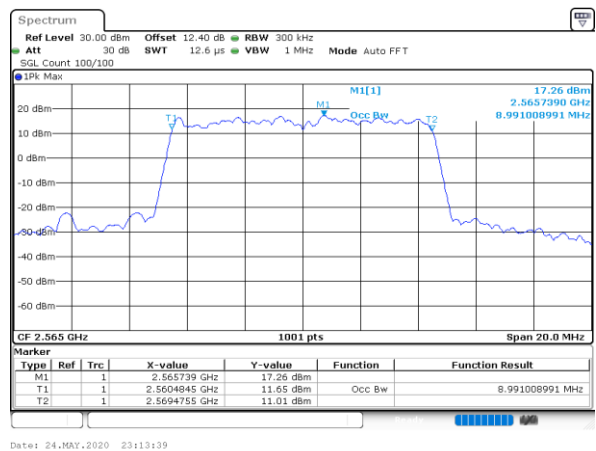
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



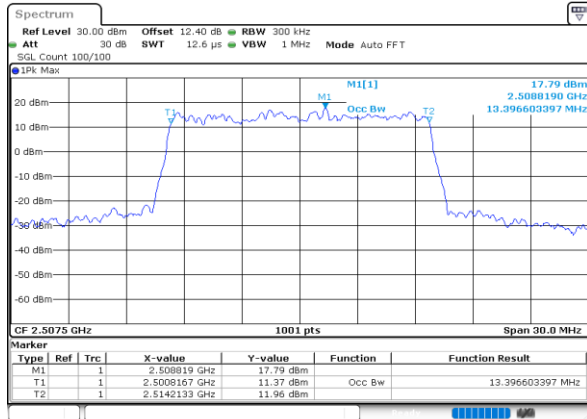
## Highest Channel / 10MHz / 16QAM



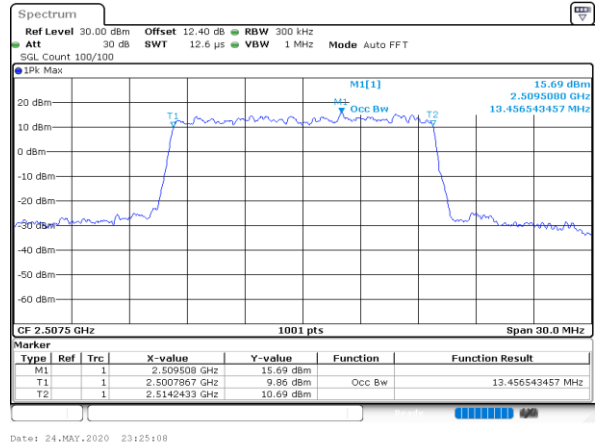


## LTE Band 7

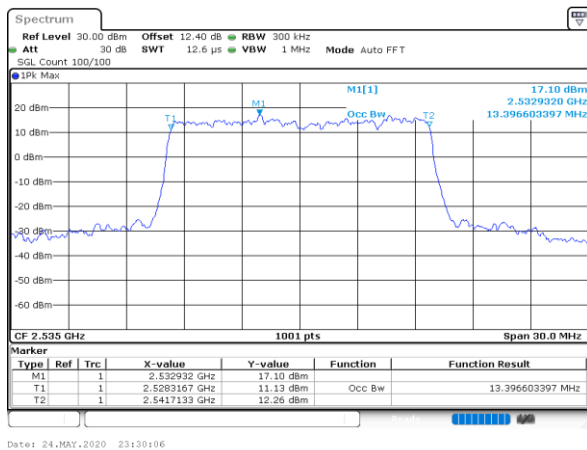
## Lowest Channel / 15MHz / QPSK



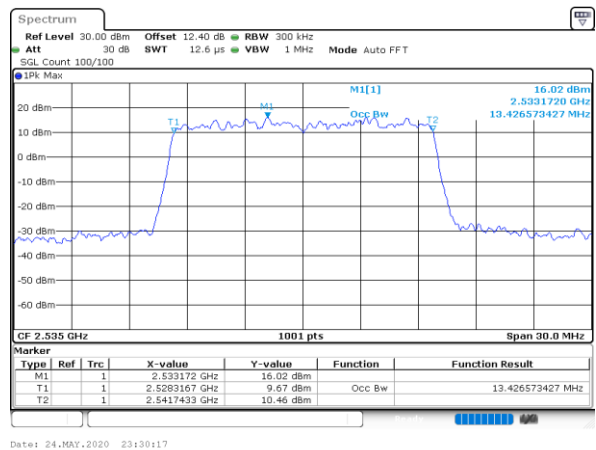
## Lowest Channel / 15MHz / 16QAM



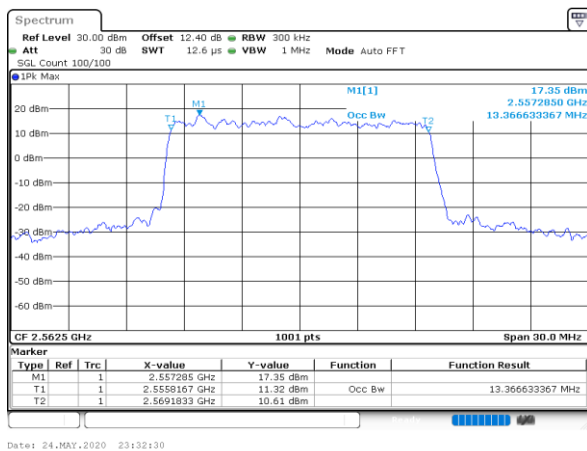
## Middle Channel / 15MHz / QPSK



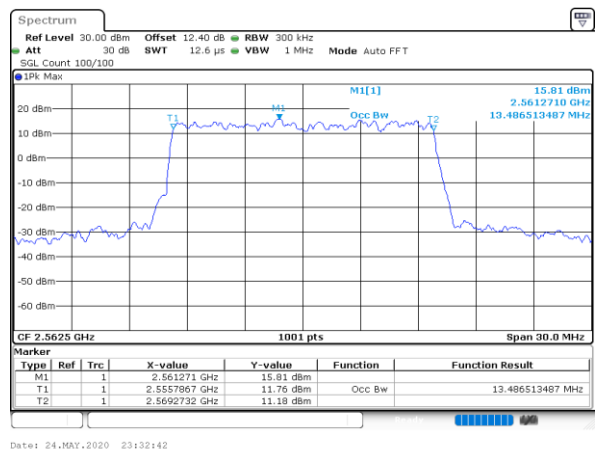
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



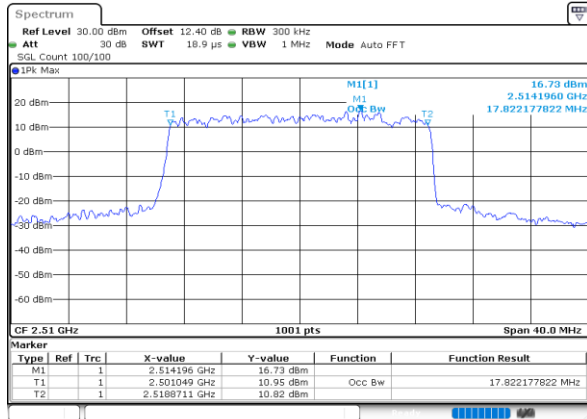
## Highest Channel / 15MHz / 16QAM



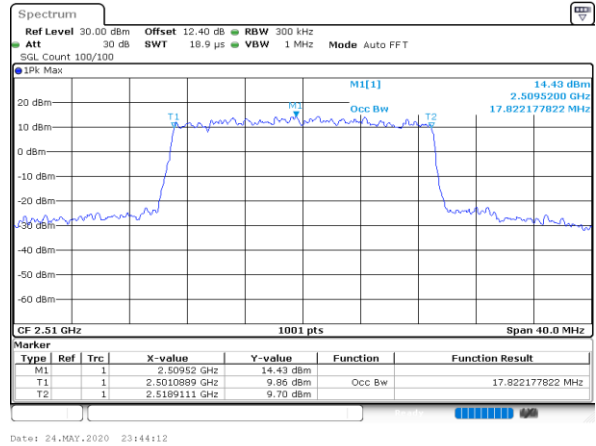


## LTE Band 7

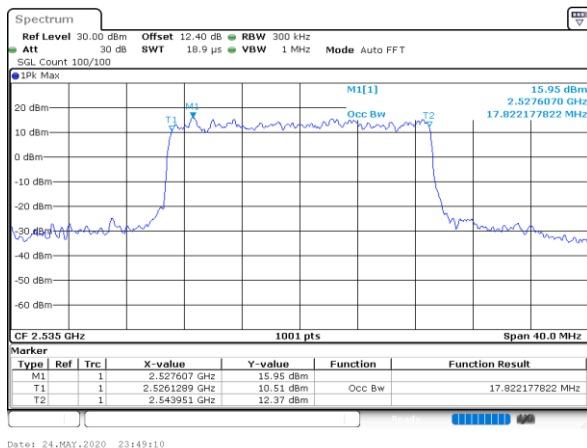
## Lowest Channel / 20MHz / QPSK



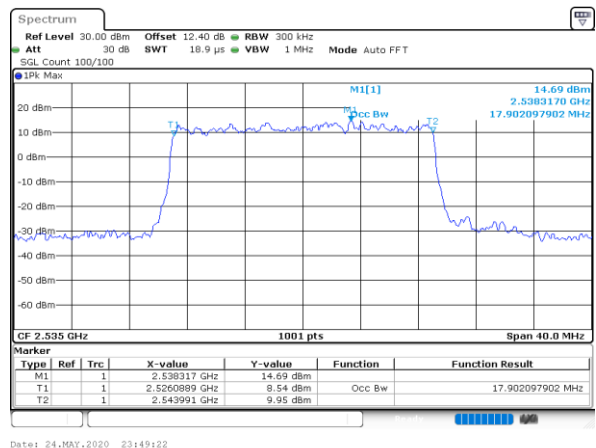
## Lowest Channel / 20MHz / 16QAM



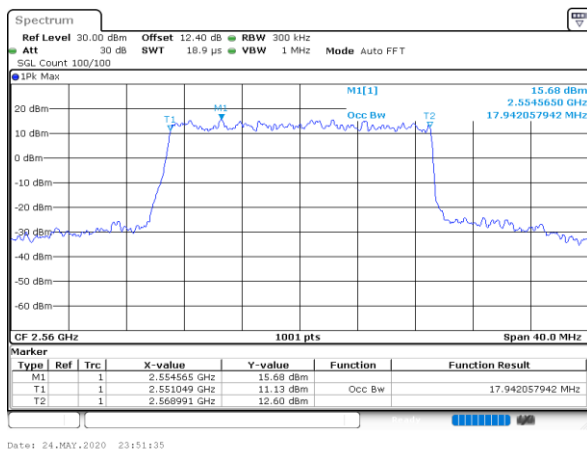
## Middle Channel / 20MHz / QPSK



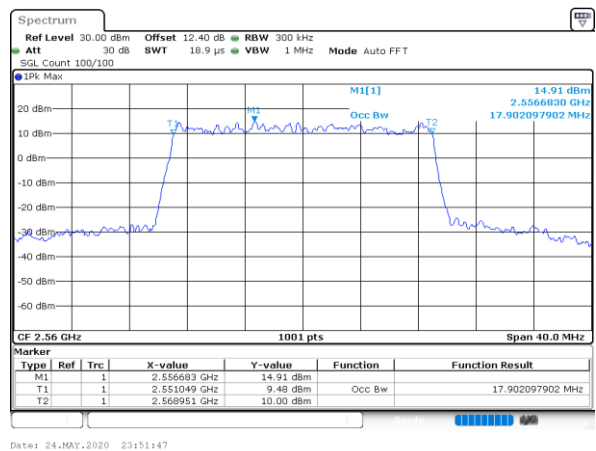
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



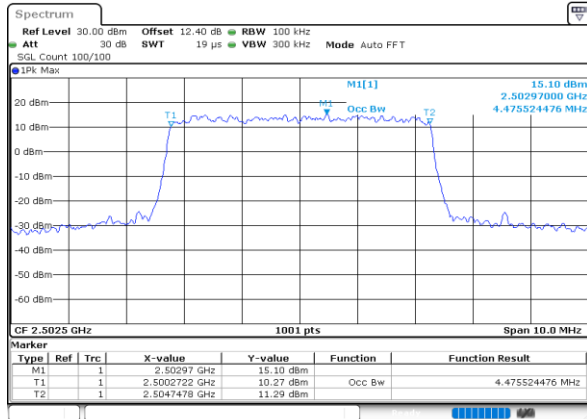
## Highest Channel / 20MHz / 16QAM



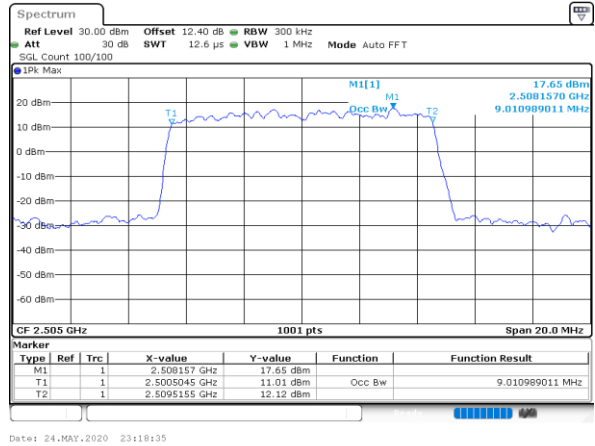


## LTE Band 7

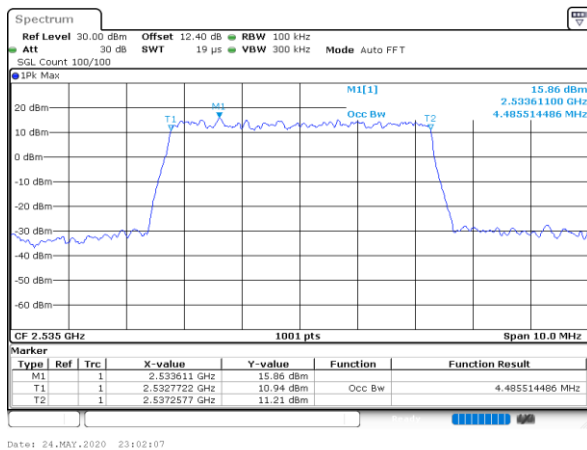
## Lowest Channel / 5MHz / 64QAM



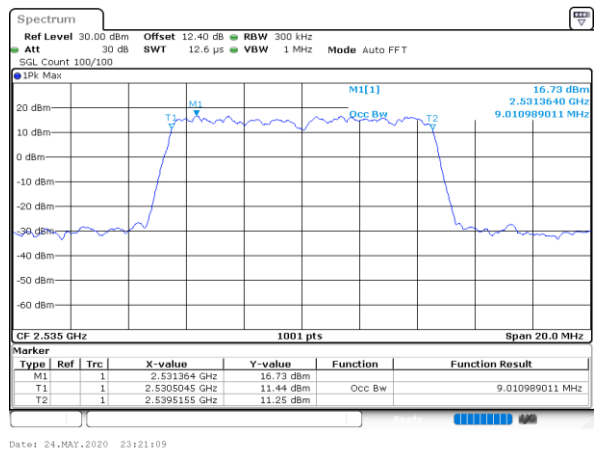
## Lowest Channel / 10MHz / 64QAM



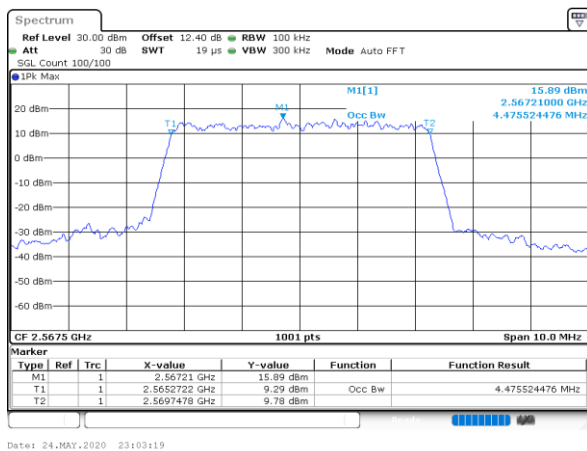
## Middle Channel / 5MHz / 64QAM



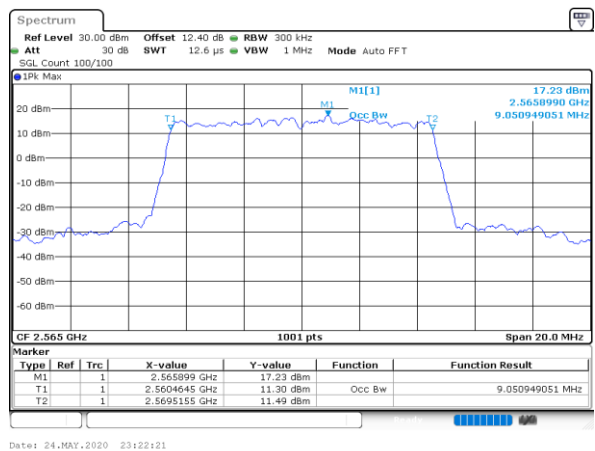
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



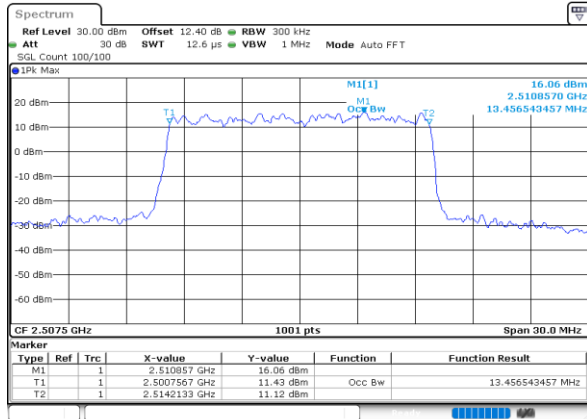
## Highest Channel / 10MHz / 64QAM



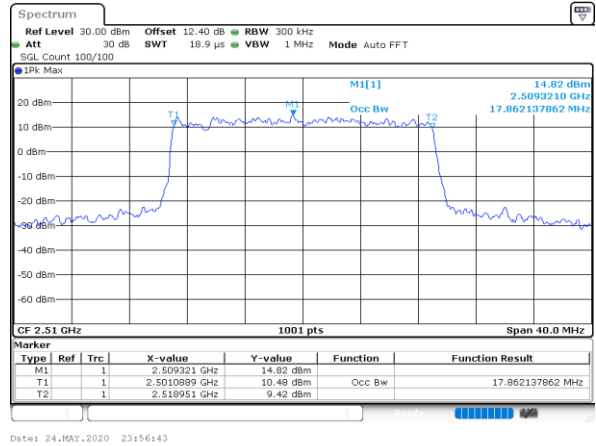


## LTE Band 7

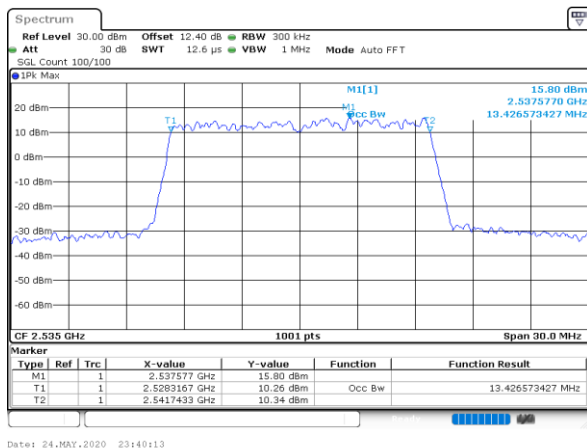
## Lowest Channel / 15MHz / 64QAM



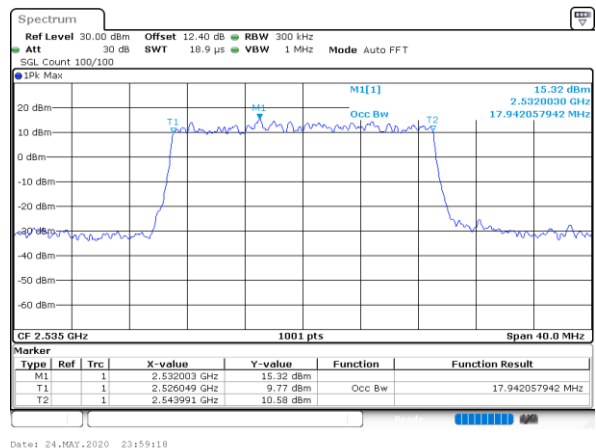
## Lowest Channel / 20MHz / 64QAM



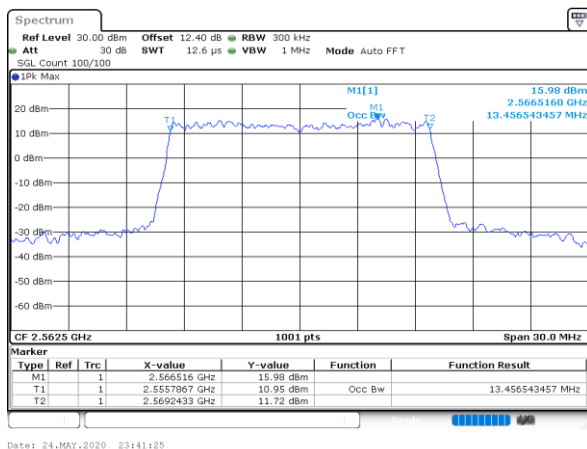
## Middle Channel / 15MHz / 64QAM



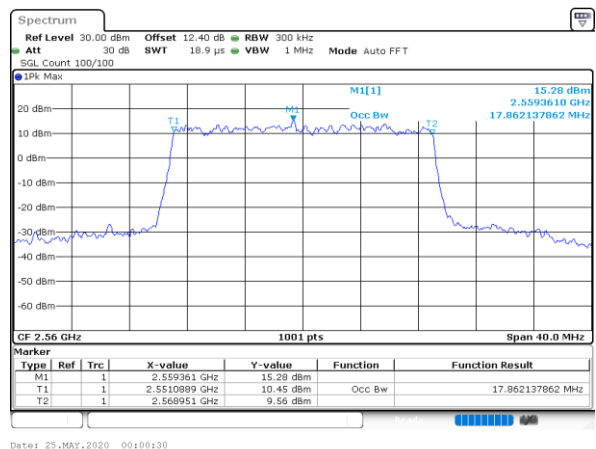
## Middle Channel / 20MHz / 64QAM

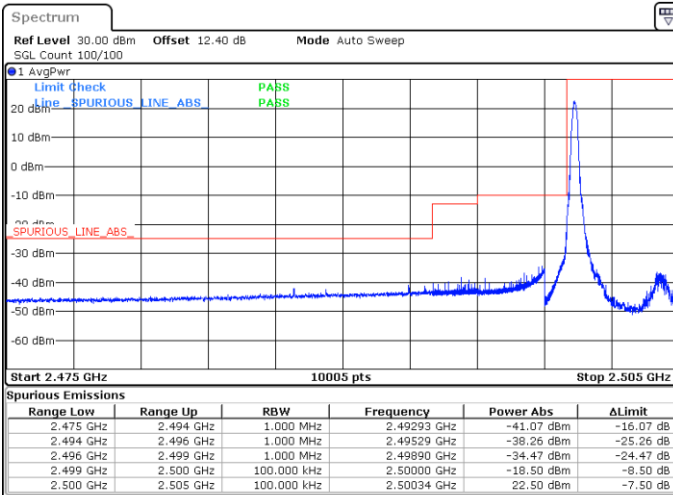


## Highest Channel / 15MHz / 64QAM

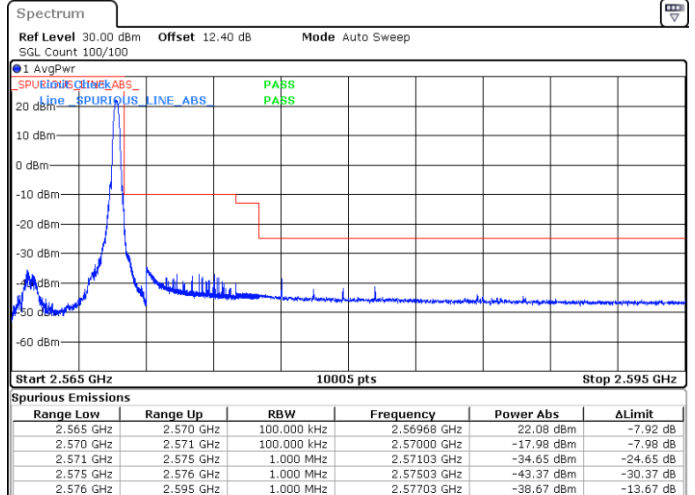


## Highest Channel / 20MHz / 64QAM

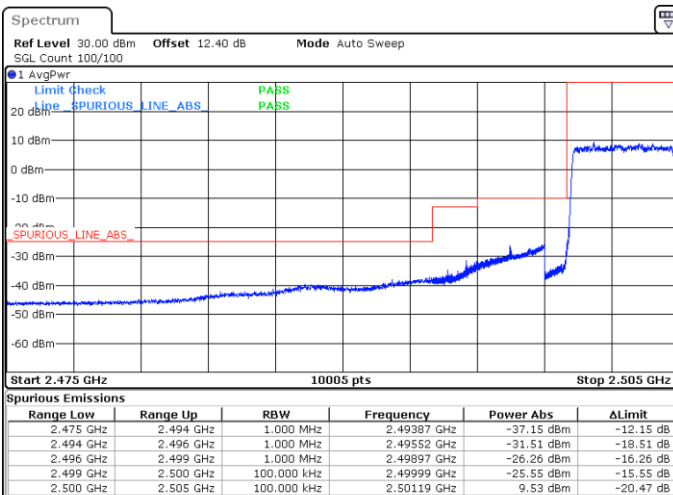


**Conducted Band Edge****LTE Band 7 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB**

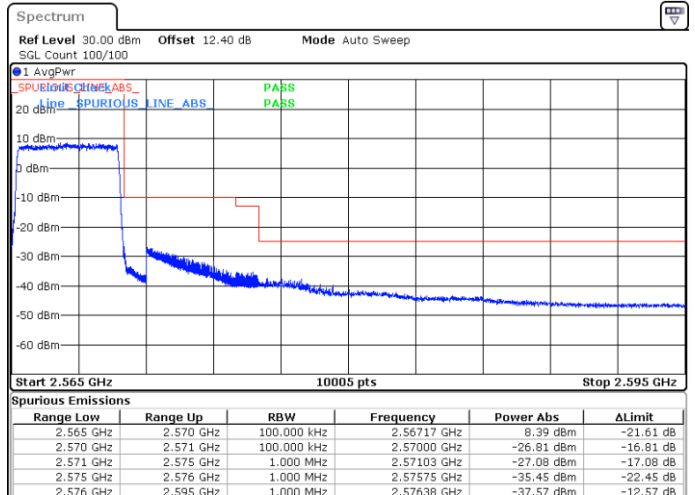
Date: 24.MAY.2020 22:48:06



Date: 24.MAY.2020 22:55:40

**Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

Date: 24.MAY.2020 22:49:28



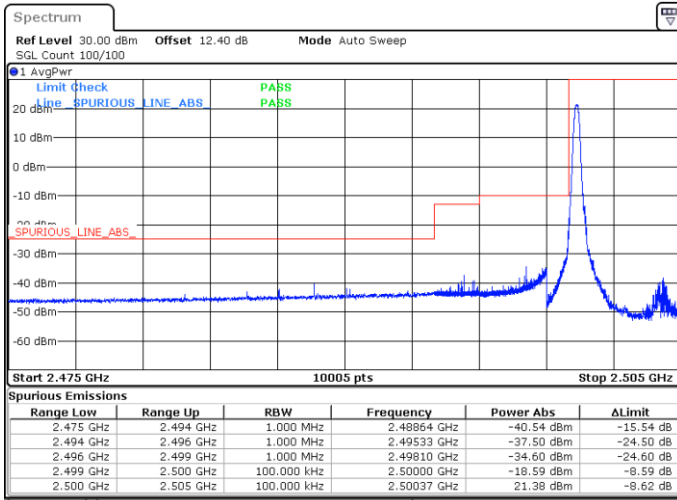
Date: 24.MAY.2020 22:57:01



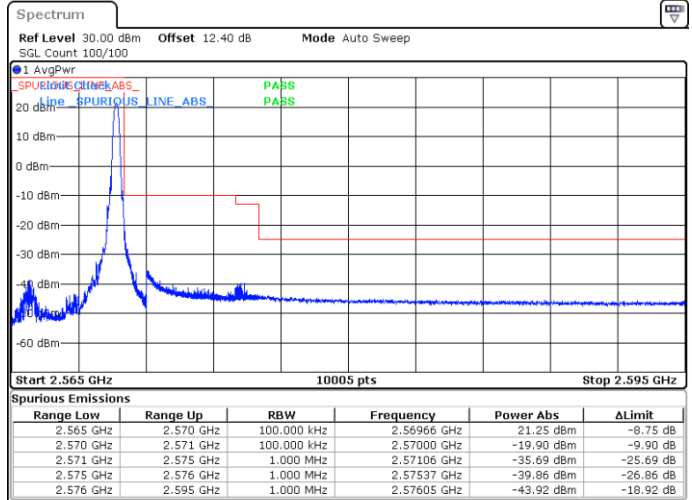
## LTE Band 7 / 5MHz / 16QAM

## Lowest Band Edge / 1 RB

## Highest Band Edge / 1 RB



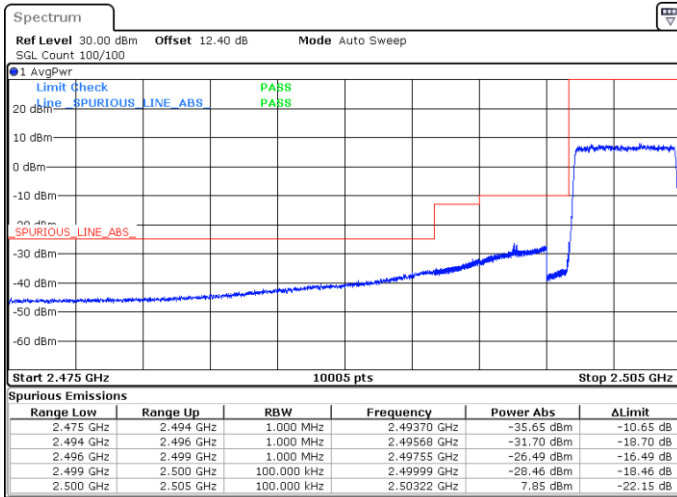
Date: 24.MAY.2020 22:48:47



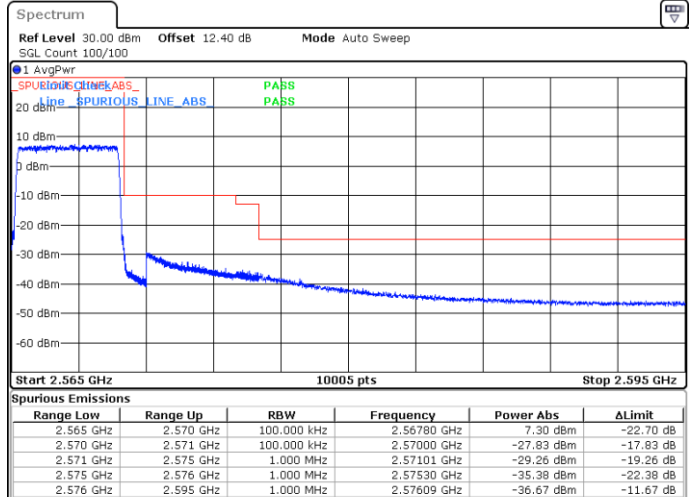
Date: 24.MAY.2020 22:56:20

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 24.MAY.2020 22:50:08



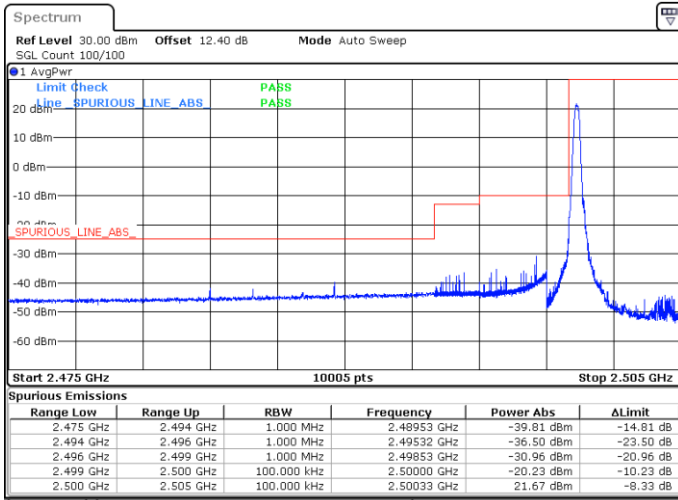
Date: 24.MAY.2020 22:57:41



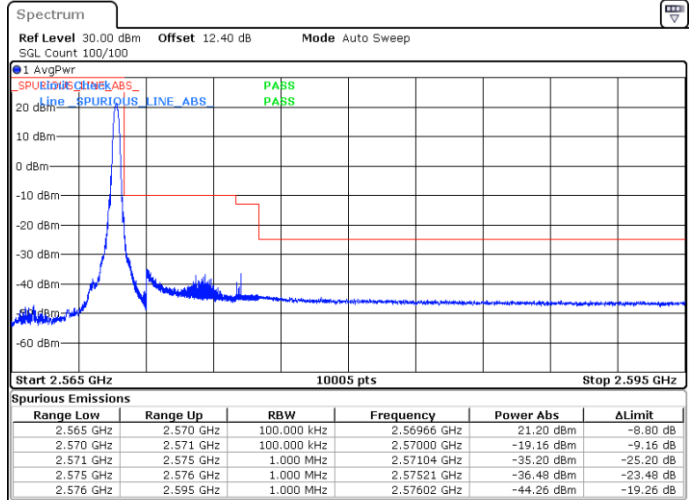
## LTE Band 7 / 5MHz / 64QAM

## Lowest Band Edge / 1RB

## Highest Band Edge / 1 RB



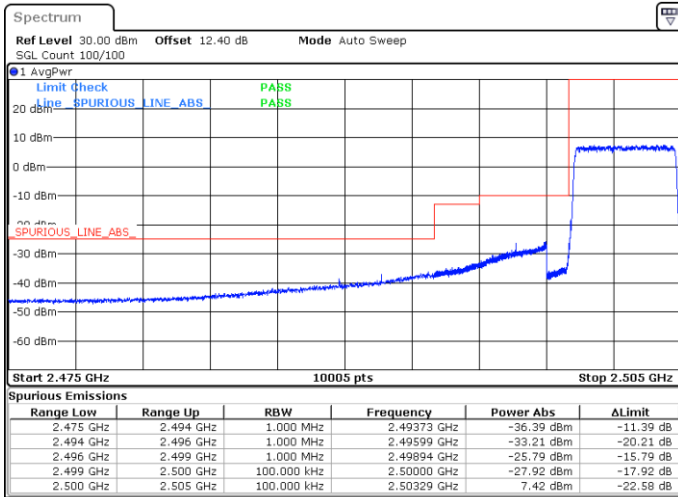
Date: 24.MAY.2020 23:00:25



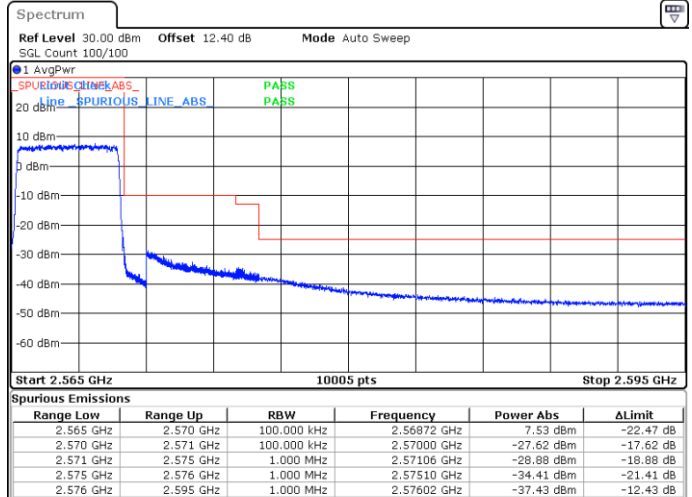
Date: 24.MAY.2020 23:04:12

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



Date: 24.MAY.2020 23:01:06



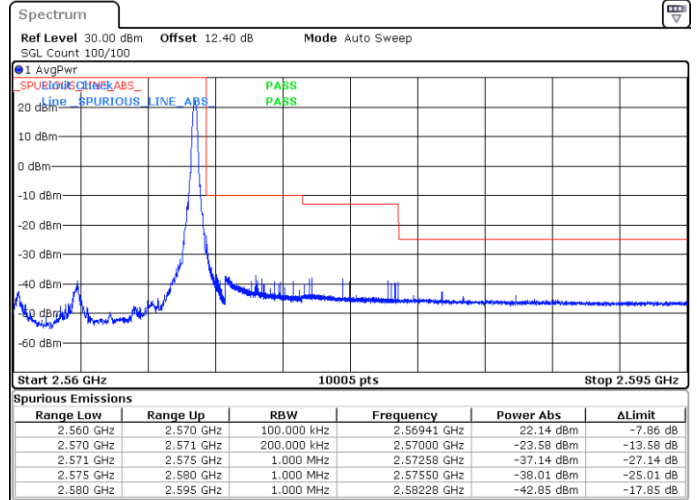
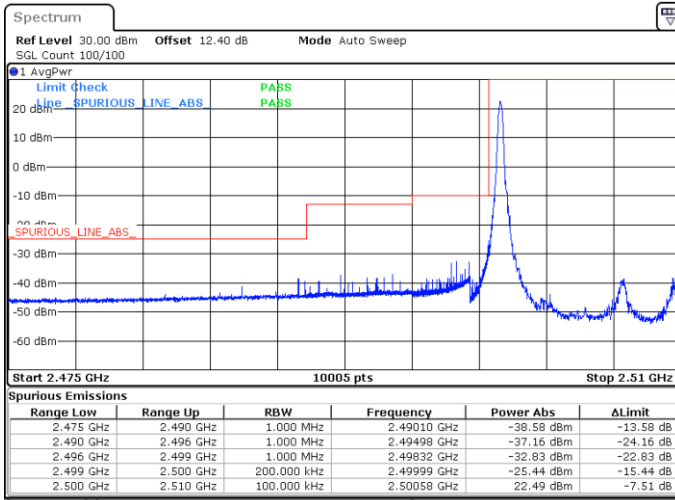
Date: 24.MAY.2020 23:04:52



## 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

