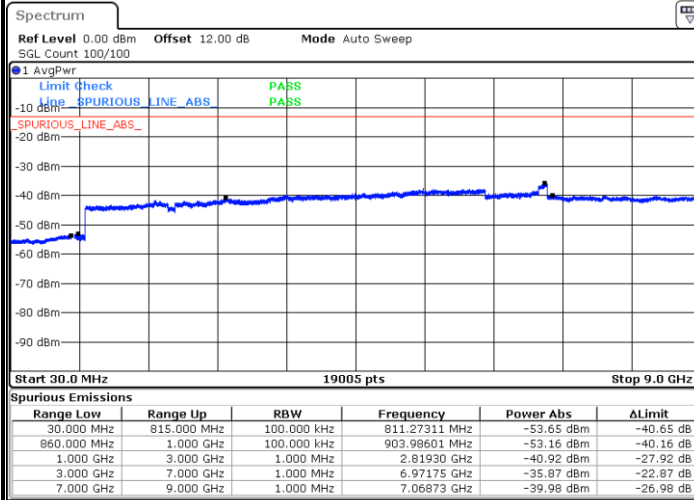




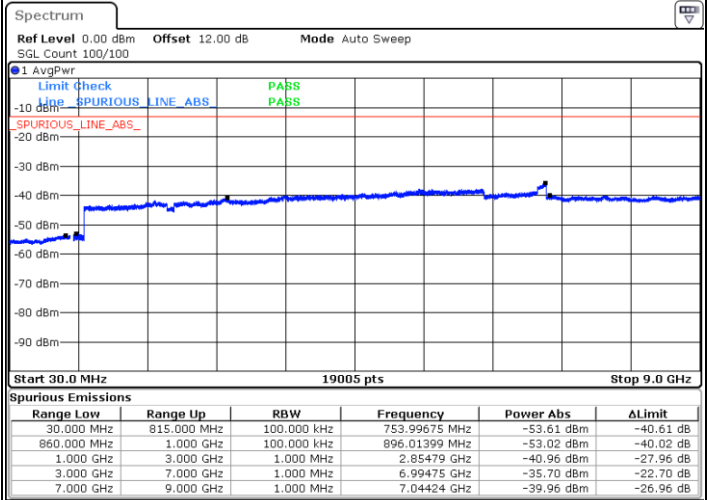
## LTE Band 5 / 5MHz

## Highest Channel / QPSK



Date: 26.MAY.2020 07:14:39

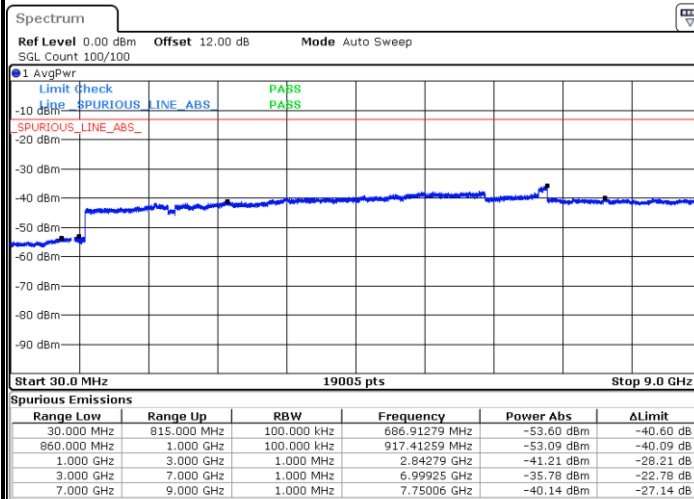
## Highest Channel / 16QAM



Date: 26.MAY.2020 07:15:34

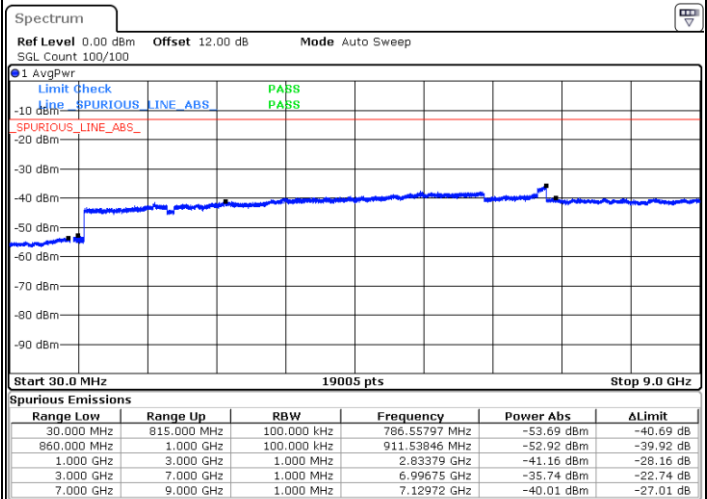
## LTE Band 5 / 10MHz

## Lowest Channel / QPSK



Date: 26.MAY.2020 07:34:05

## Lowest Channel / 16QAM

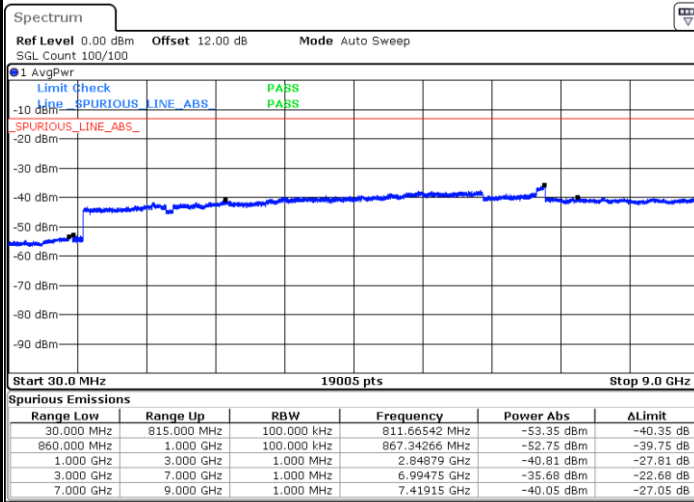


Date: 26.MAY.2020 07:35:00



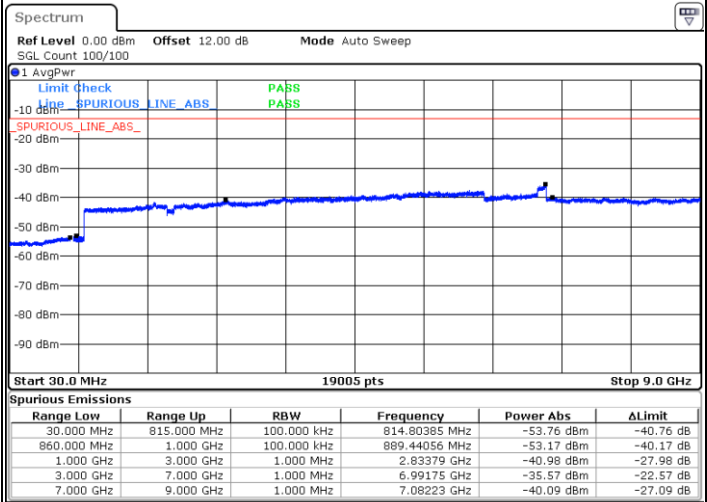
## LTE Band 5 / 10MHz

## Middle Channel / QPSK



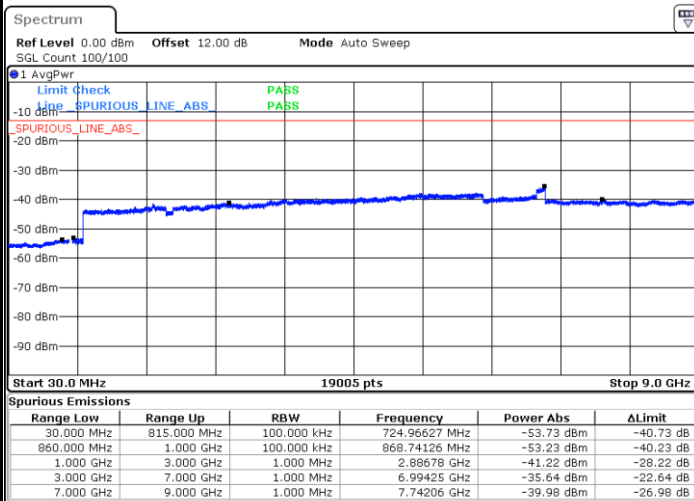
Date: 26.MAY.2020 07:36:47

## Middle Channel / 16QAM



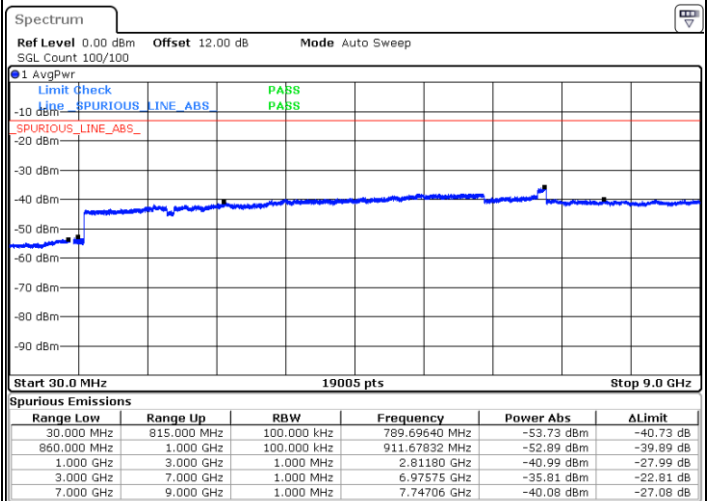
Date: 26.MAY.2020 07:37:41

## Highest Channel / QPSK



Date: 26.MAY.2020 07:46:15

## Highest Channel / 16QAM

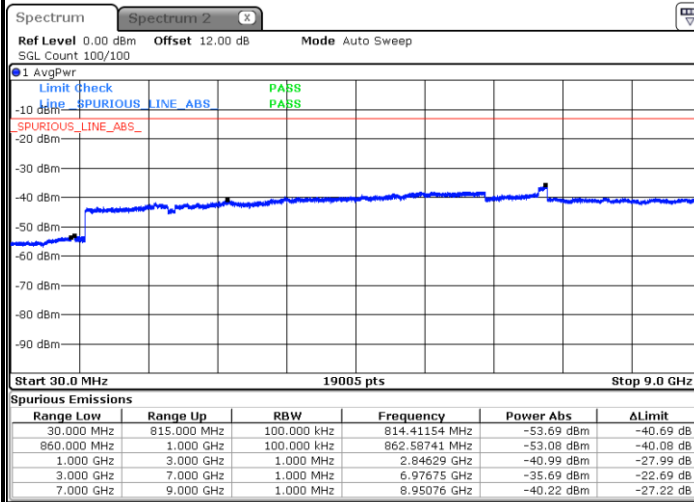


Date: 26.MAY.2020 07:47:10



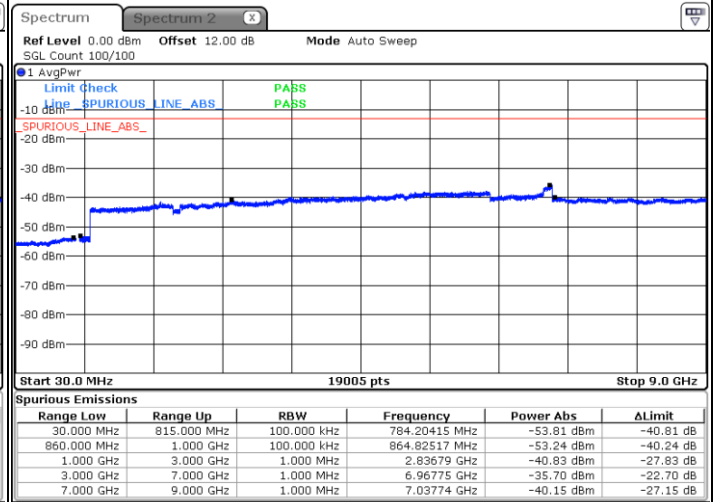
## LTE Band 5 / 1.4MHz

## Lowest Channel / 64QAM



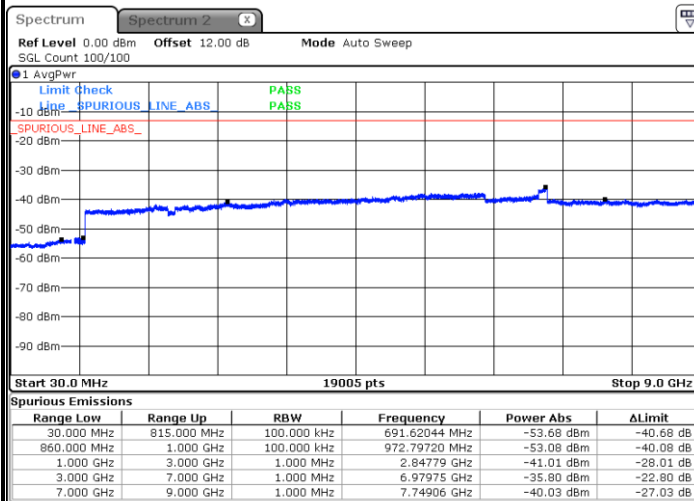
Date: 26.MAY.2020 06:10:30

## Middle Channel / 64QAM



Date: 26.MAY.2020 06:11:51

## Highest Channel / 64QAM

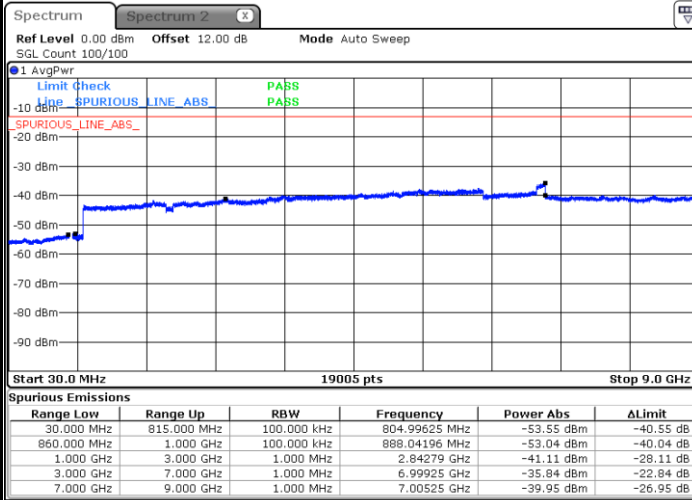


Date: 26.MAY.2020 06:16:35



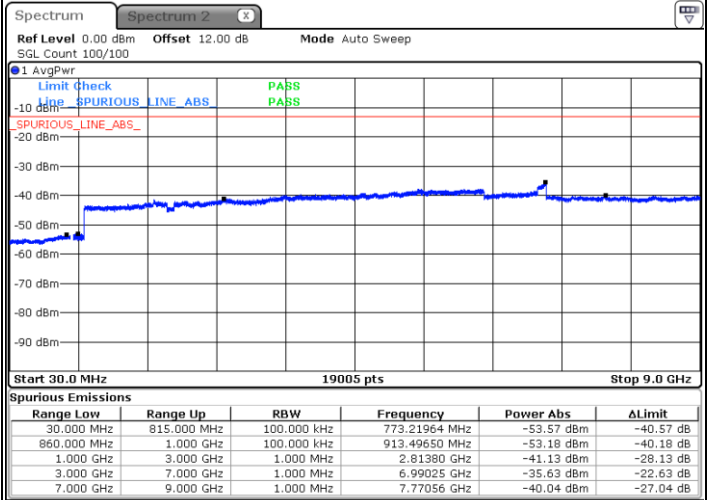
## LTE Band 5 / 3MHz

## Lowest Channel / 64QAM



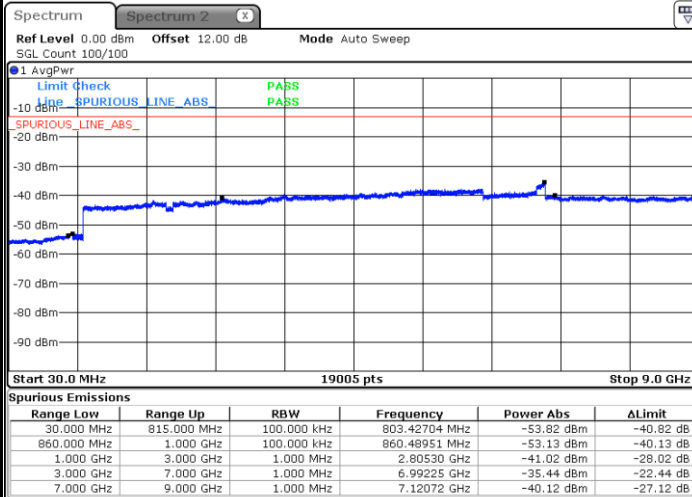
Date: 26.MAY.2020 06:43:03

## Middle Channel / 64QAM



Date: 26.MAY.2020 06:44:24

## Highest Channel / 64QAM

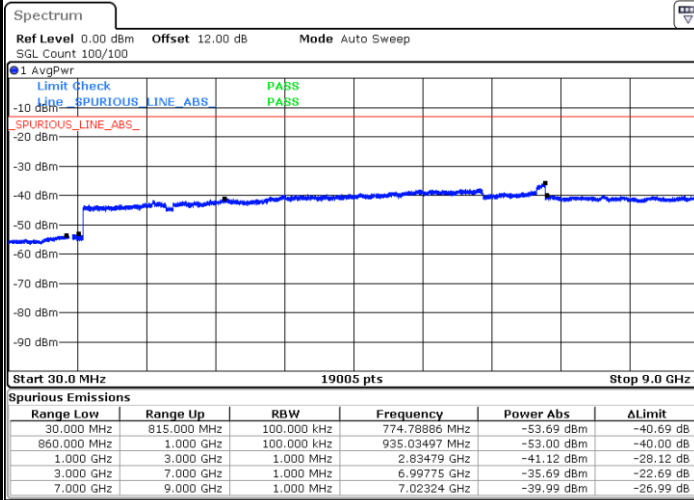


Date: 26.MAY.2020 06:49:09



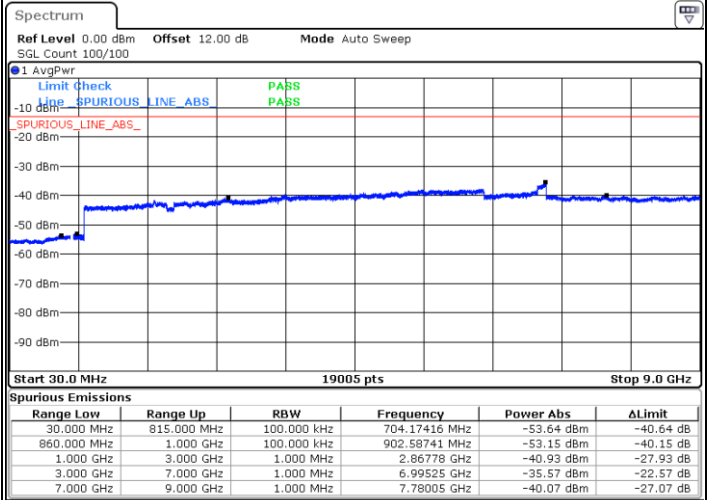
## LTE Band 5 / 5MHz

## Lowest Channel / 64QAM



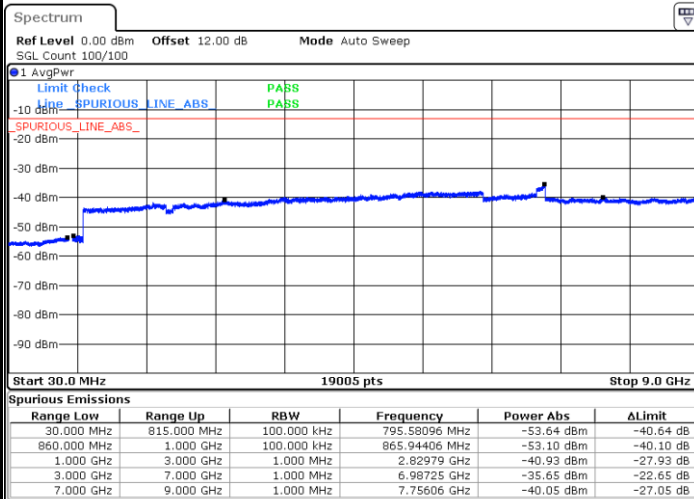
Date: 26.MAY.2020 07:20:19

## Middle Channel / 64QAM



Date: 26.MAY.2020 07:21:40

## Highest Channel / 64QAM

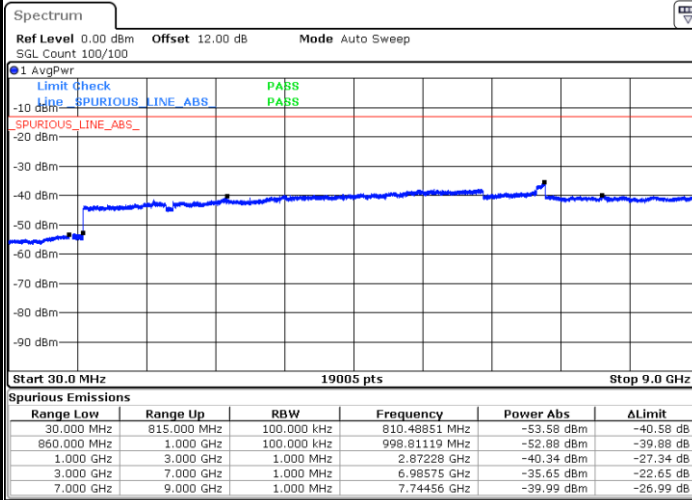


Date: 26.MAY.2020 07:48:06



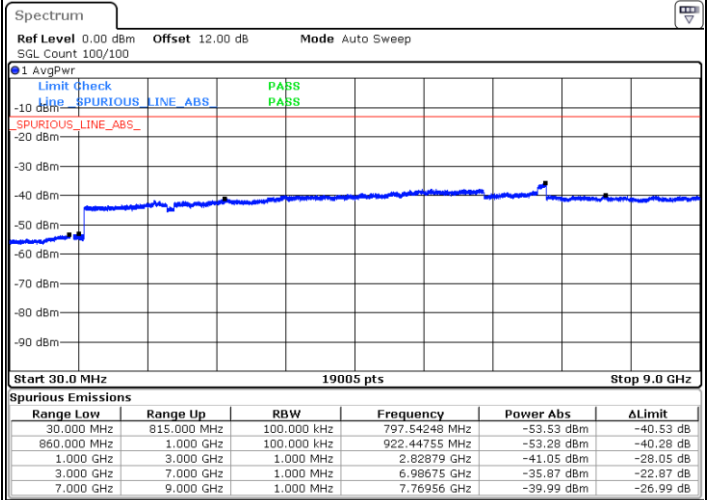
## LTE Band 5 / 10MHz

## Lowest Channel / 64QAM



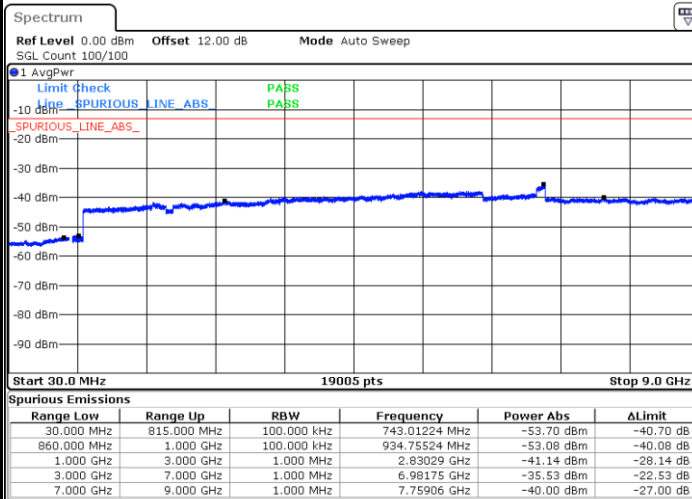
Date: 26.MAY.2020 07:52:51

## Middle Channel / 64QAM



Date: 26.MAY.2020 07:54:12

## Highest Channel / 64QAM



Date: 26.MAY.2020 08:12:55

## Frequency Stability

| Test Conditions     |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | 2.5ppm |
|                     |                   | Deviation (ppm)                    | Result |
| 50                  | Normal Voltage    | 0.0100                             | PASS   |
| 40                  | Normal Voltage    | 0.0063                             |        |
| 30                  | Normal Voltage    | 0.0085                             |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |        |
| 10                  | Normal Voltage    | 0.0100                             |        |
| 0                   | Normal Voltage    | 0.0036                             |        |
| -10                 | Normal Voltage    | 0.0081                             |        |
| -20                 | Normal Voltage    | 0.0049                             |        |
| -30                 | Normal Voltage    | 0.0057                             |        |
| 20                  | Maximum Voltage   | 0.0072                             |        |
| 20                  | Normal Voltage    | 0.0100                             |        |
| 20                  | Battery End Point | 0.0013                             |        |

**Note:**

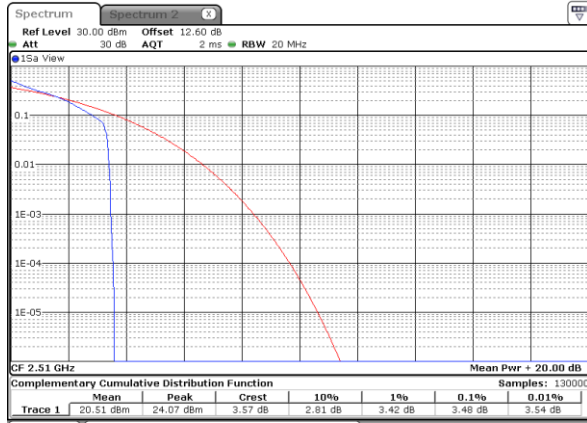
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.8 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

## LTE Band 7

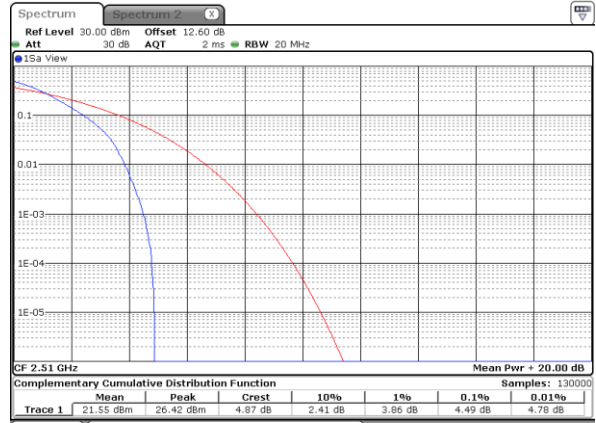
### Peak-to-Average Ratio

| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
|------------|--------------------|---------|-------|---------|-------------|
| Mod.       | QPSK               |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.48               | 4.49    | 4.78  | 5.77    | PASS        |
| Middle CH  | 3.57               | 4.52    | 5.22  | 5.80    |             |
| Highest CH | 3.51               | 4.64    | 5.13  | 5.91    |             |
| Mode       | LTE Band 7 / 20MHz |         |       |         |             |
| Mod.       | 64QAM              |         |       |         | Limit: 13dB |
| RB Size    | 1RB                | Full RB |       |         | Result      |
| Lowest CH  | 6.09               | 6.46    | -     | -       | PASS        |
| Middle CH  | 6.09               | 6.43    | -     | -       |             |
| Highest CH | 6.06               | 6.55    | -     | -       |             |

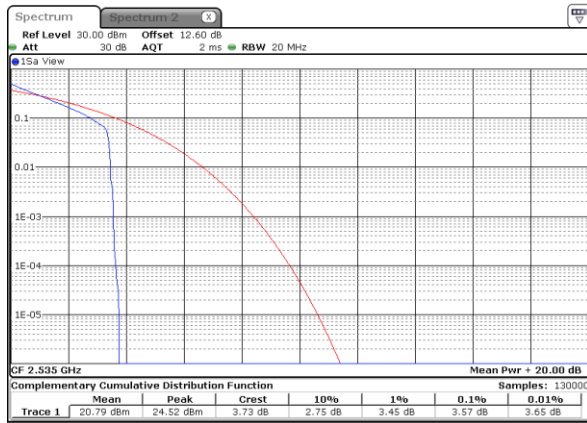


**LTE Band 7 / 20MHz / QPSK**
**Lowest Channel / 1RB**


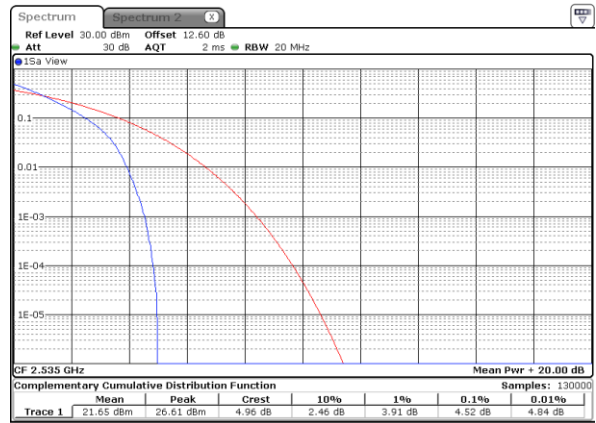
Date: 20 AUG 2020 01:15:59

**Lowest Channel / Full RB**


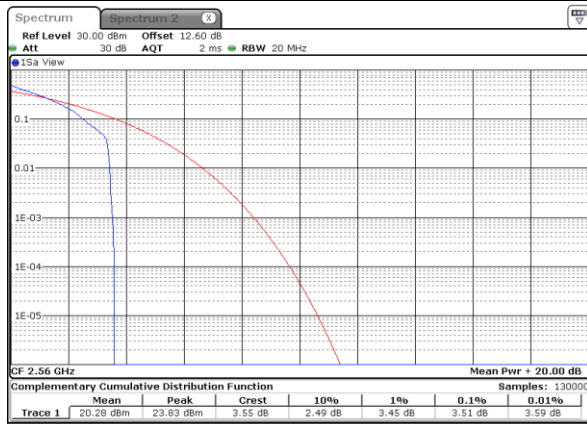
Date: 20 AUG 2020 01:16:16

**Middle Channel / 1RB**


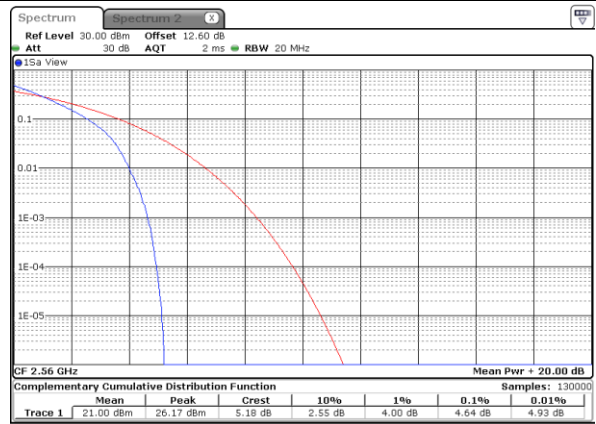
Date: 20 AUG 2020 01:16:31

**Middle Channel / Full RB**


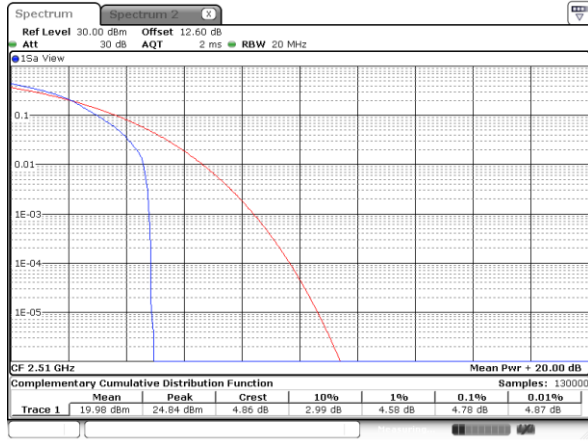
Date: 20 AUG 2020 01:16:42

**Highest Channel / 1RB**


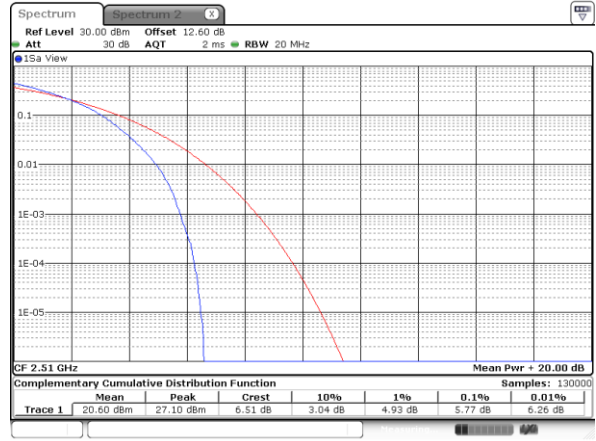
Date: 20 AUG 2020 01:16:52

**Highest Channel / Full RB**


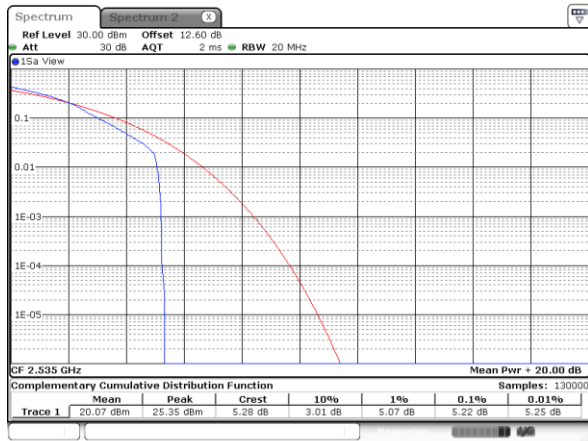
Date: 20 AUG 2020 01:17:03

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


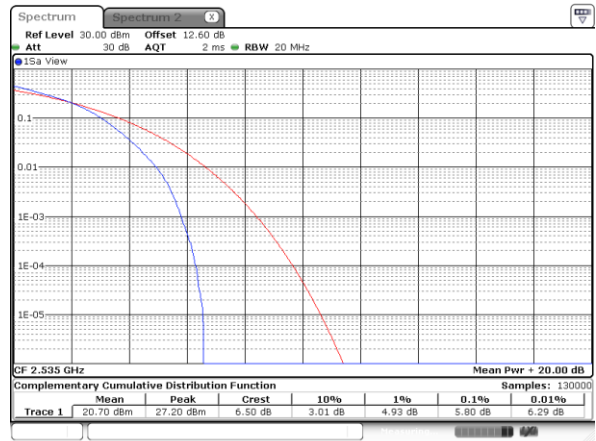
Date: 20 AUG 2020 01:14:43

**Lowest Channel / Full RB**


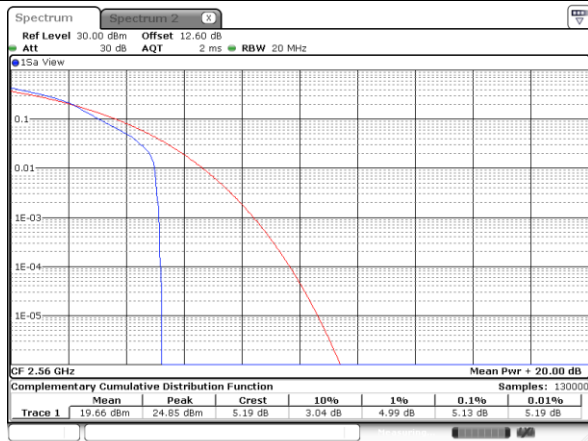
Date: 20 AUG 2020 01:14:54

**Middle Channel / 1RB**


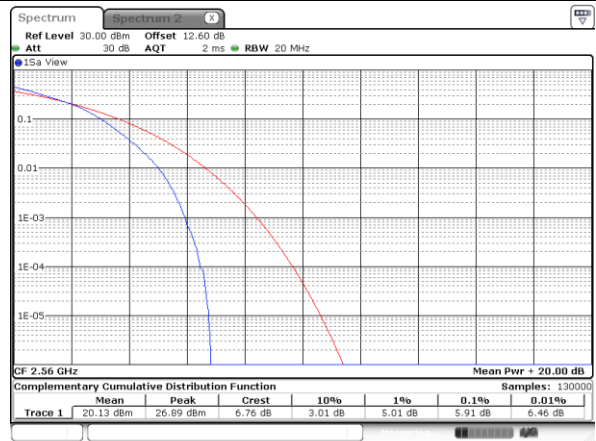
Date: 20 AUG 2020 01:15:10

**Middle Channel / Full RB**


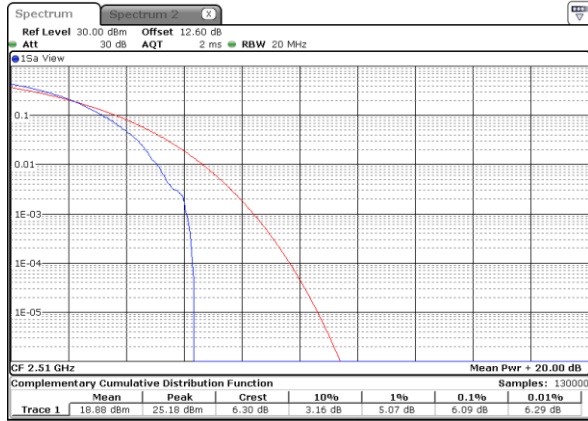
Date: 20 AUG 2020 01:15:24

**Highest Channel / 1RB**


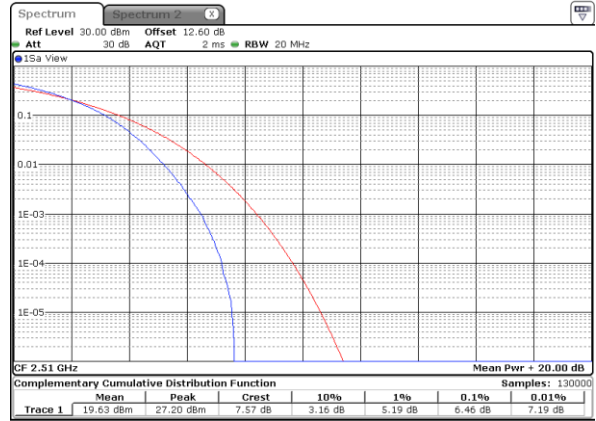
Date: 20 AUG 2020 01:15:34

**Highest Channel / Full RB**


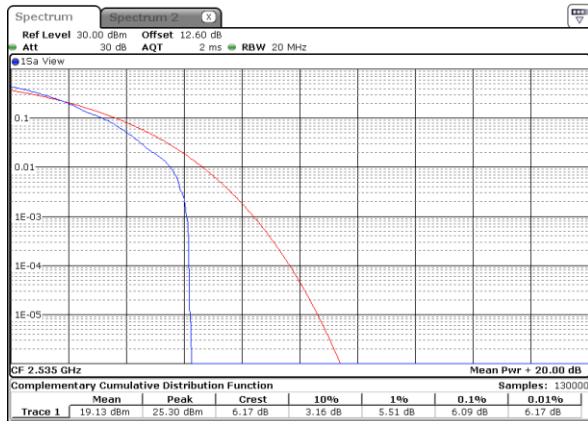
Date: 20 AUG 2020 01:15:48

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


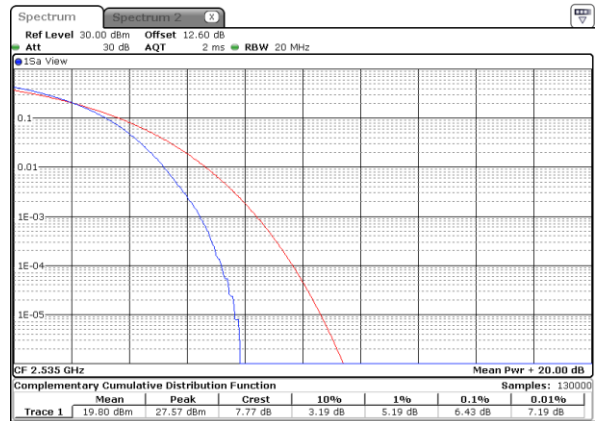
Date: 20 AUG 2020 01:18:00

**Lowest Channel / Full RB**


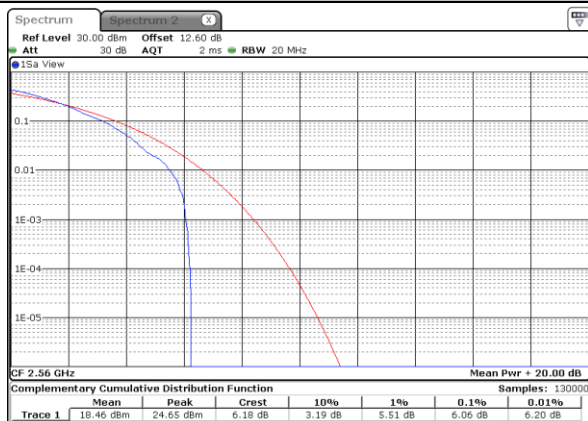
Date: 20 AUG 2020 01:18:11

**Middle Channel / 1RB**


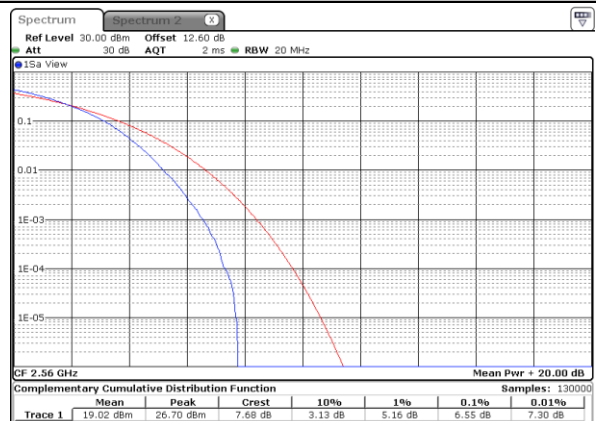
Date: 20 AUG 2020 01:18:23

**Middle Channel / Full RB**


Date: 20 AUG 2020 01:18:59

**Highest Channel / 1RB**


Date: 20 AUG 2020 01:19:19

**Highest Channel / Full RB**


Date: 20 AUG 2020 01:19:31

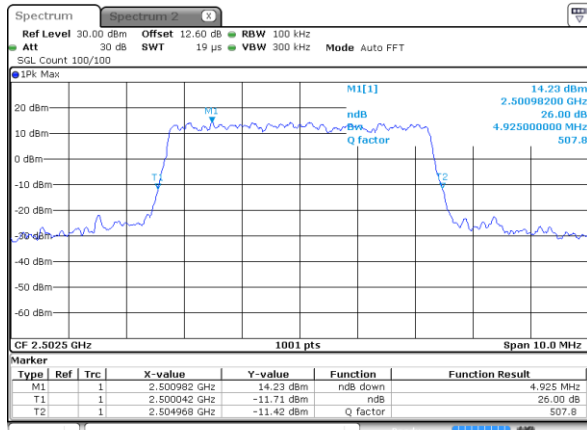
**26dB Bandwidth**

| 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  | -                         | -     | -     | -     | 4.93  | 4.84  | 9.87  | 9.89  | 14.30 | 14.27 | 18.98 | 18.94 |
| Middle CH  | -                         | -     | -     | -     | 4.91  | 4.92  | 9.65  | 9.67  | 14.39 | 14.48 | 19.10 | 18.90 |
| Highest CH | -                         | -     | -     | -     | 4.94  | 4.92  | 9.79  | 9.75  | 14.18 | 14.24 | 18.94 | 18.66 |
| 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  | -     | 9.71  | -     | 14.33 | -     | 18.86 | -     |
| Middle CH  | -                         | -     | -     | -     | 4.93  | -     | 9.87  | -     | 14.45 | -     | 18.78 | -     |
| Highest CH | -                         | -     | -     | -     | 4.86  | -     | 9.79  | -     | 14.42 | -     | 18.90 | -     |



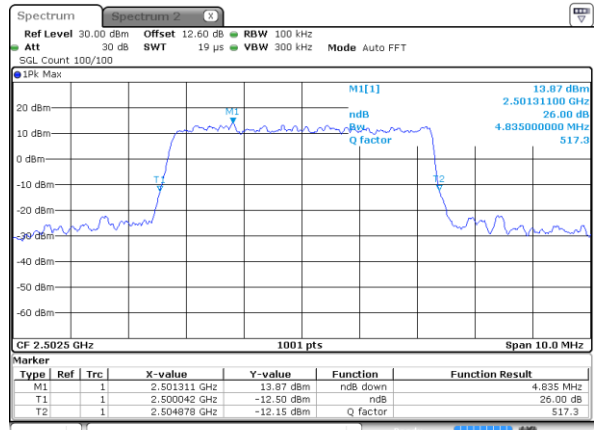
## LTE Band 7

## Lowest Channel / 5MHz / QPSK



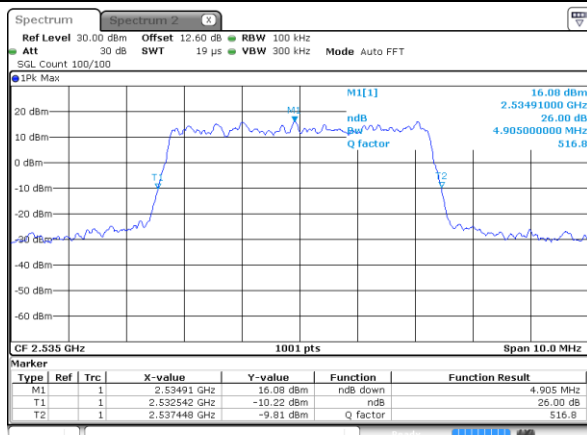
Date: 19 AUG 2020 23:35:26

## Lowest Channel / 5MHz / 16QAM



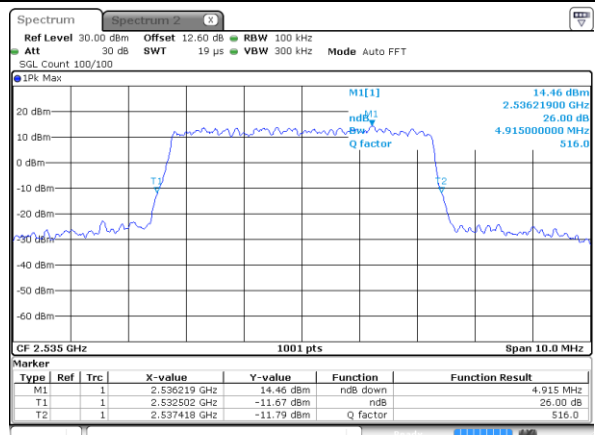
Date: 19 AUG 2020 23:35:38

## Middle Channel / 5MHz / QPSK



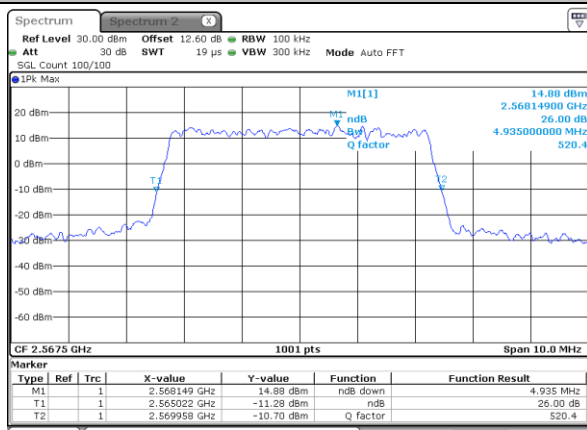
Date: 19 AUG 2020 23:41:20

## Middle Channel / 5MHz / 16QAM



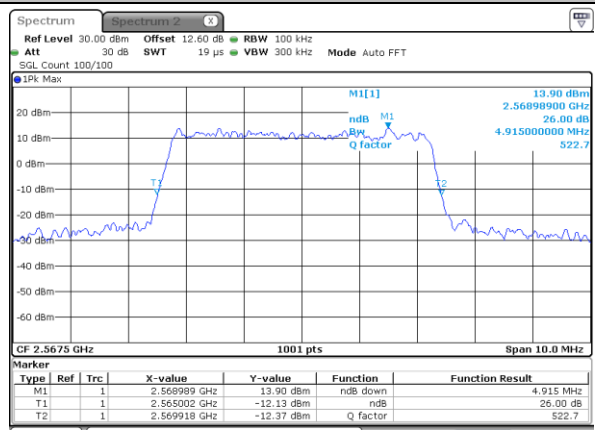
Date: 19 AUG 2020 23:41:32

## Highest Channel / 5MHz / QPSK



Date: 19 AUG 2020 23:44:07

## Highest Channel / 5MHz / 16QAM

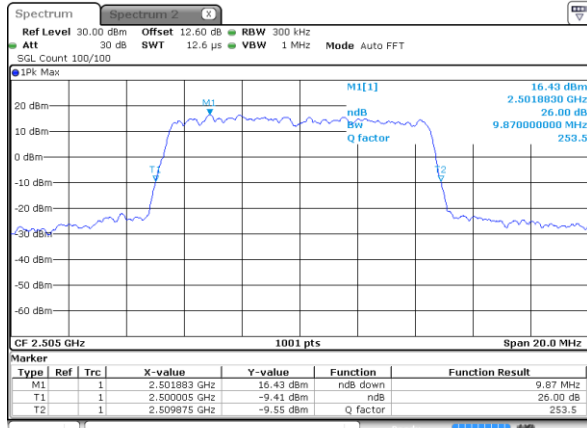


Date: 19 AUG 2020 23:44:19



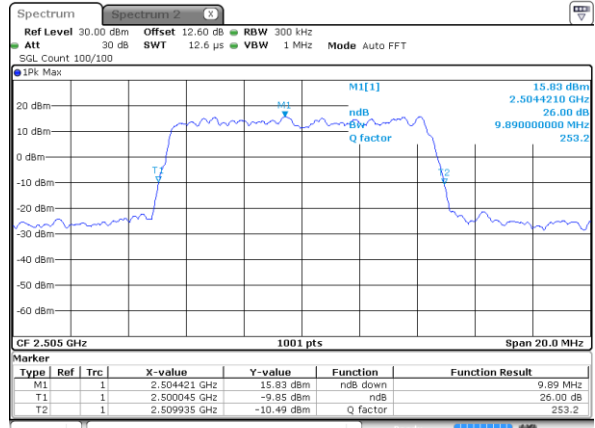
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



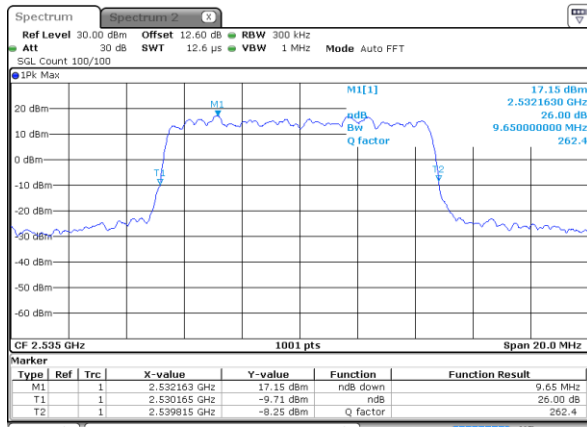
Date: 20 AUG 2020 00:08:13

## Lowest Channel / 10MHz / 16QAM



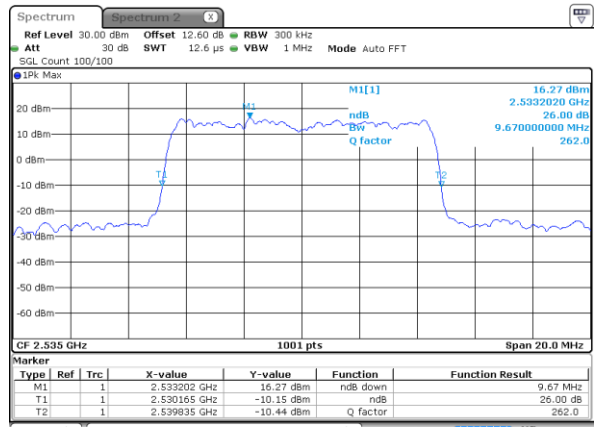
Date: 20 AUG 2020 00:08:24

## Middle Channel / 10MHz / QPSK



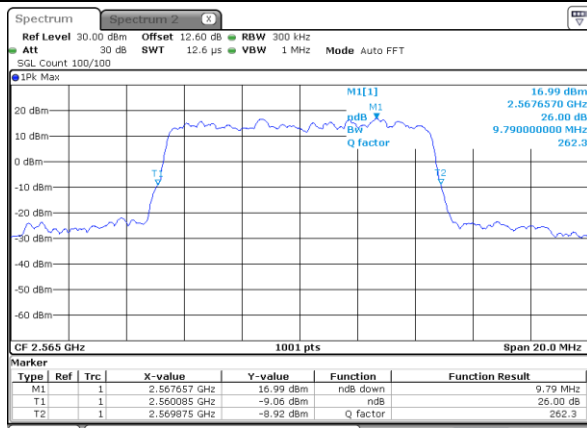
Date: 20 AUG 2020 00:14:06

## Middle Channel / 10MHz / 16QAM



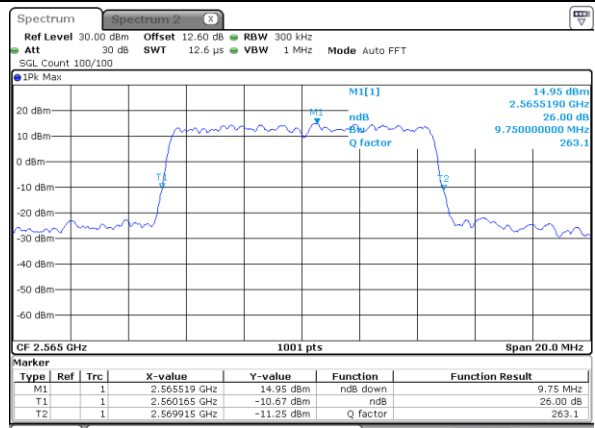
Date: 20 AUG 2020 00:14:17

## Highest Channel / 10MHz / QPSK



Date: 20 AUG 2020 00:16:53

## Highest Channel / 10MHz / 16QAM

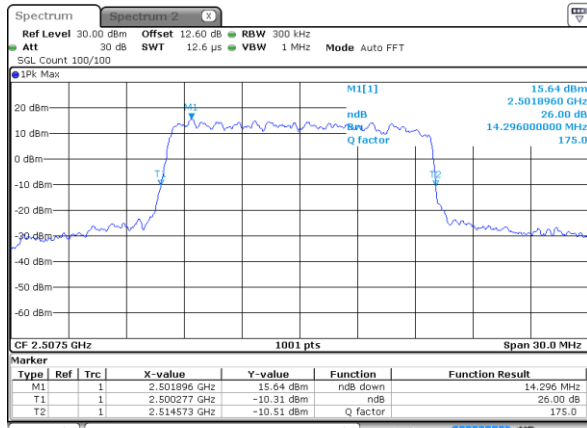


Date: 20 AUG 2020 00:17:05

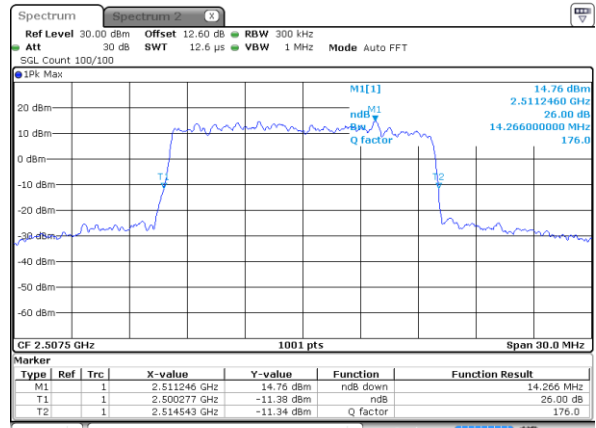


## LTE Band 7

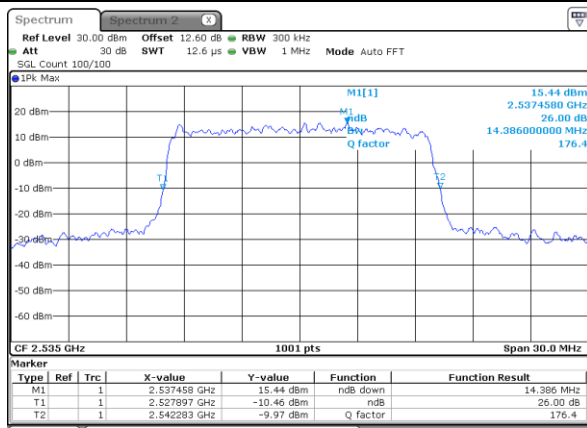
## Lowest Channel / 15MHz / QPSK



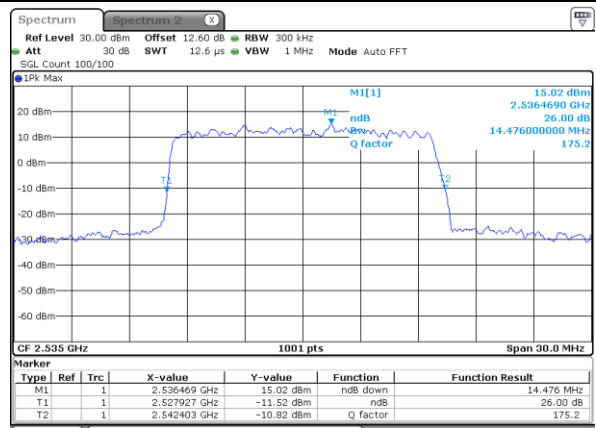
## Lowest Channel / 15MHz / 16QAM



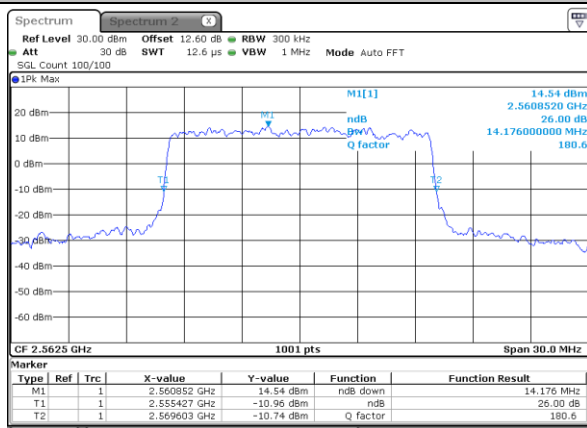
## Middle Channel / 15MHz / QPSK



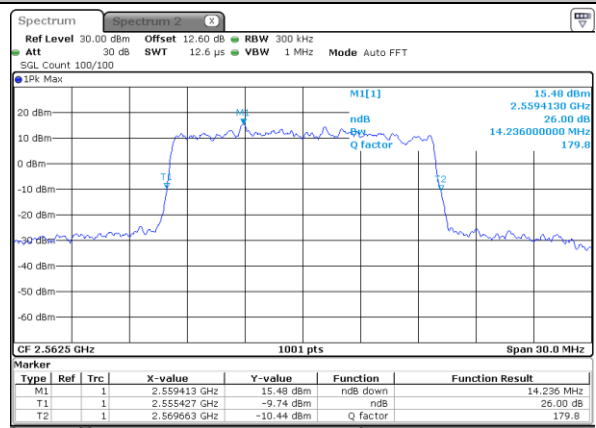
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



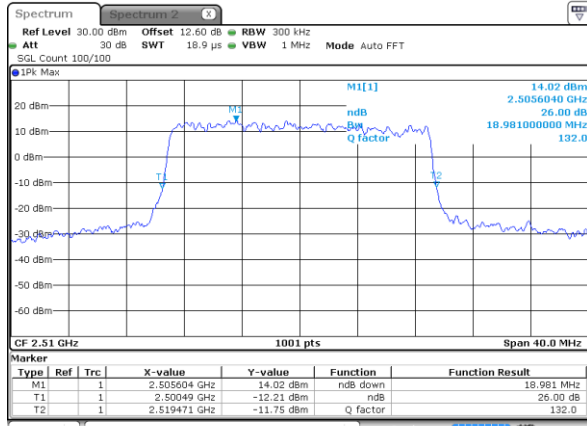
## Highest Channel / 15MHz / 16QAM





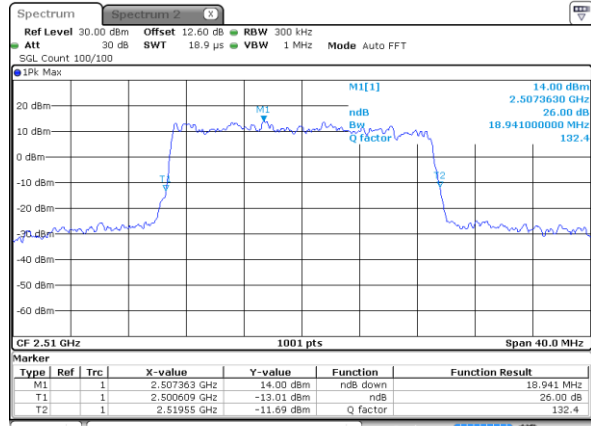
## LTE Band 7

## Lowest Channel / 20MHz / QPSK



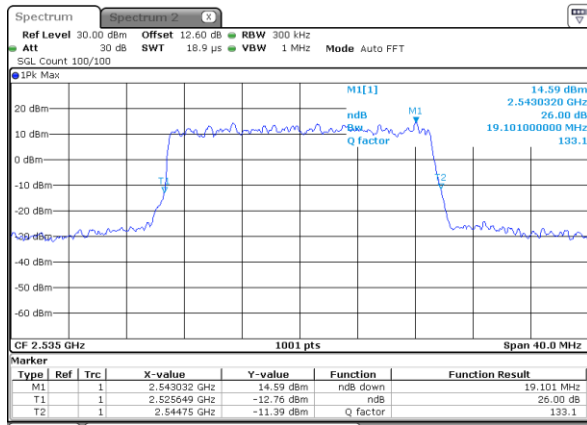
Date: 20 AUG 2020 00:51:55

## Lowest Channel / 20MHz / 16QAM



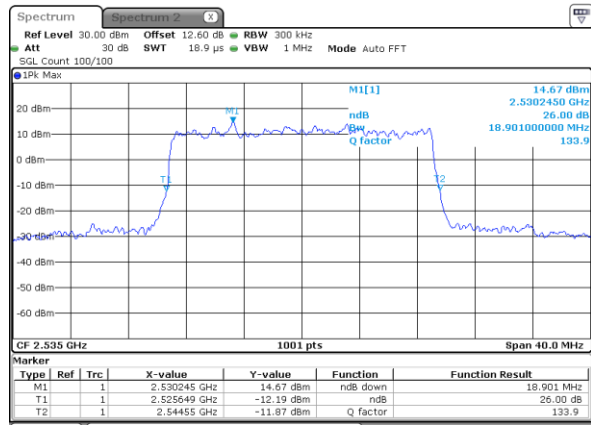
Date: 20 AUG 2020 00:52:07

## Middle Channel / 20MHz / QPSK



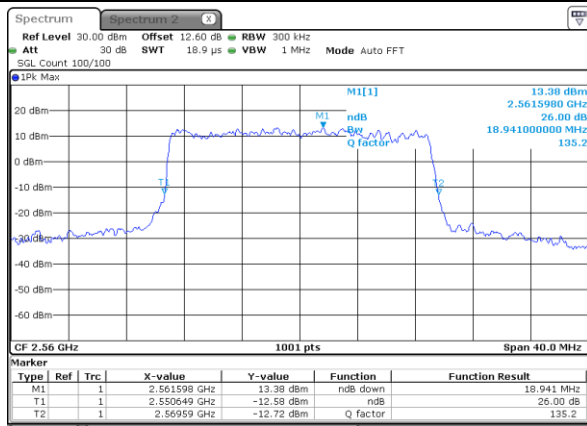
Date: 20 AUG 2020 00:57:50

## Middle Channel / 20MHz / 16QAM



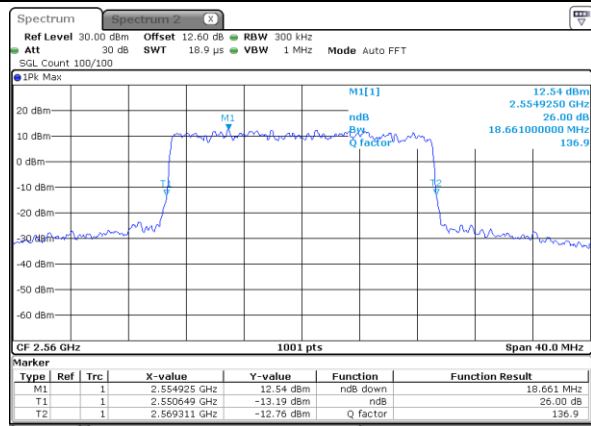
Date: 20 AUG 2020 00:58:01

## Highest Channel / 20MHz / QPSK



Date: 20 AUG 2020 01:00:36

## Highest Channel / 20MHz / 16QAM



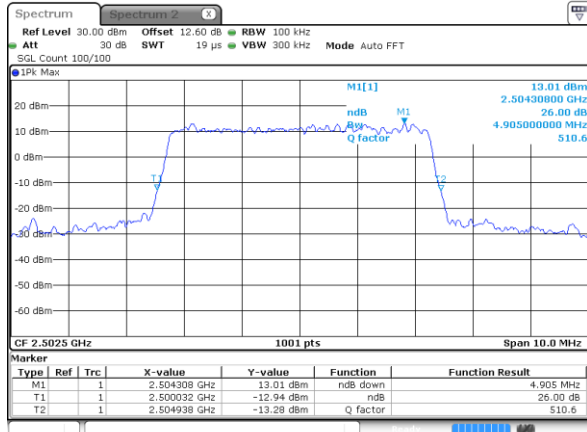
Date: 20 AUG 2020 01:00:48



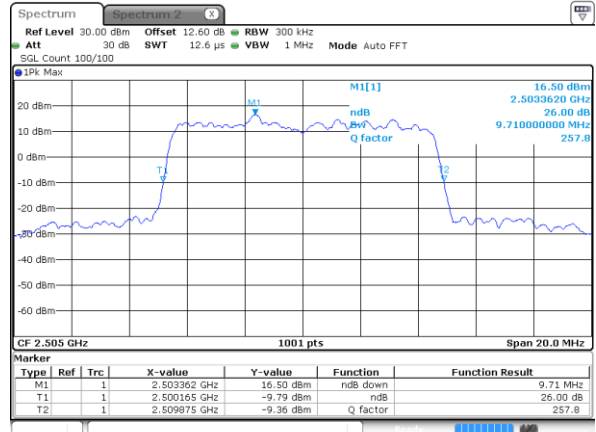


## LTE Band 7

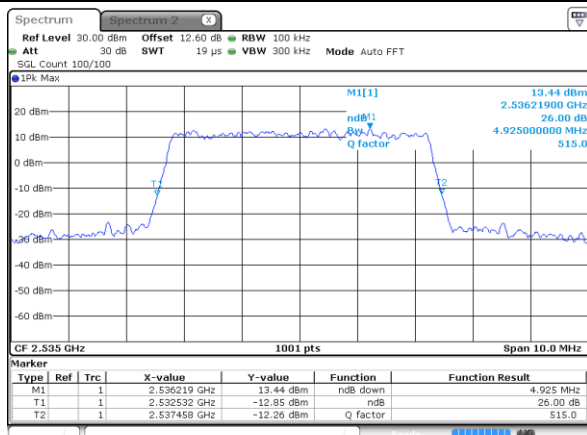
## Lowest Channel / 5MHz / 64QAM



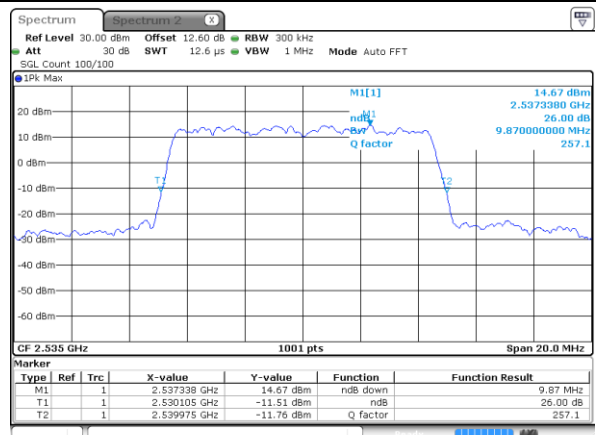
## Lowest Channel / 10MHz / 64QAM



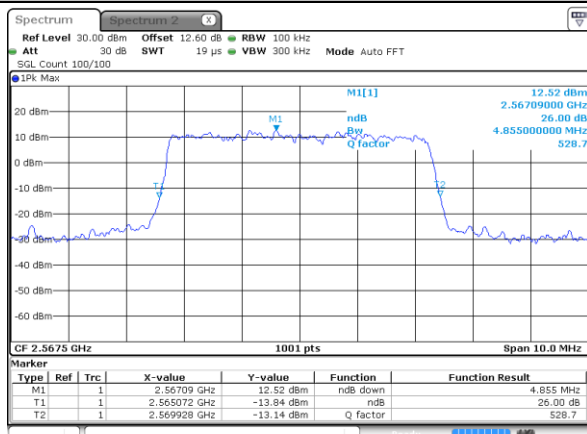
## Middle Channel / 5MHz / 64QAM



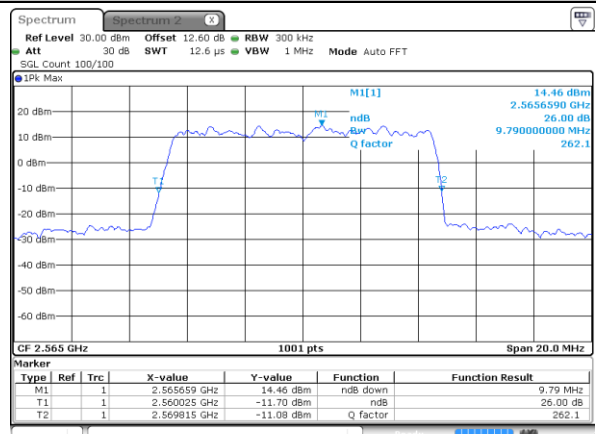
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



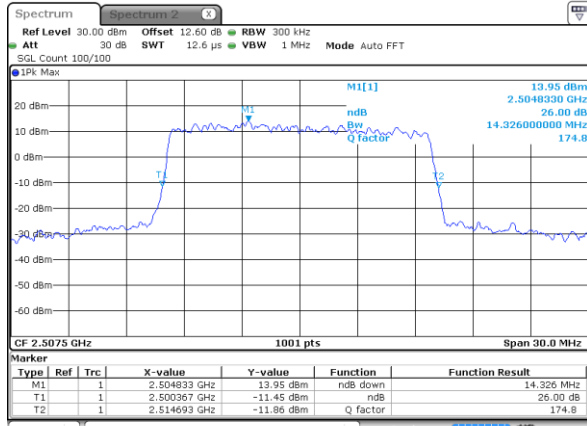
## Highest Channel / 10MHz / 64QAM





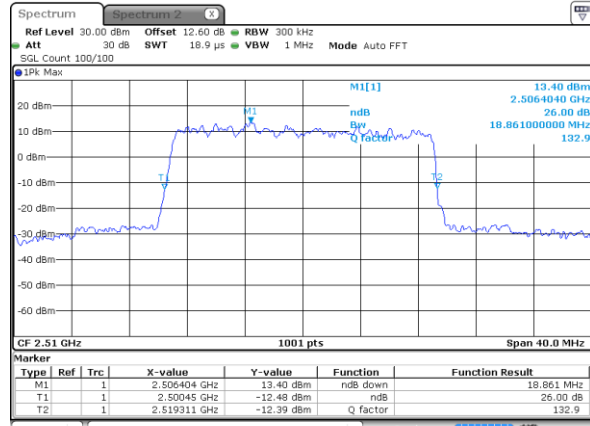
## LTE Band 7

## Lowest Channel / 15MHz / 64QAM



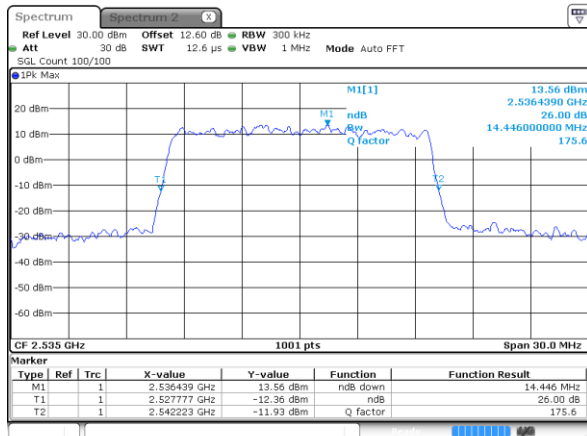
Date: 20 AUG 2020 00:44:28

## Lowest Channel / 20MHz / 64QAM



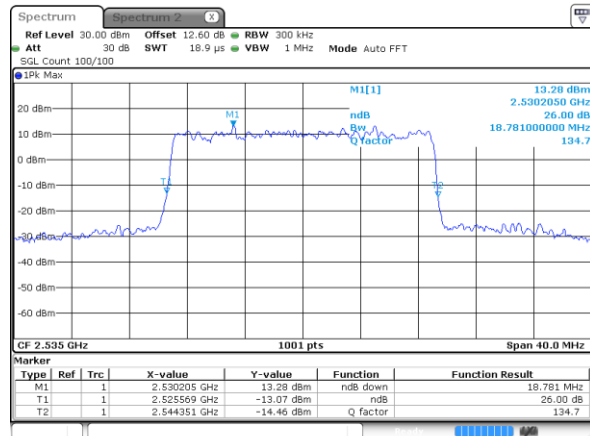
Date: 20 AUG 2020 01:06:18

## Middle Channel / 15MHz / 64QAM



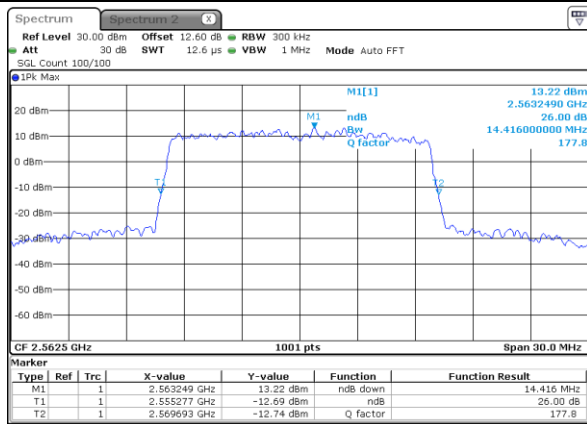
Date: 20 AUG 2020 00:47:23

## Middle Channel / 20MHz / 64QAM



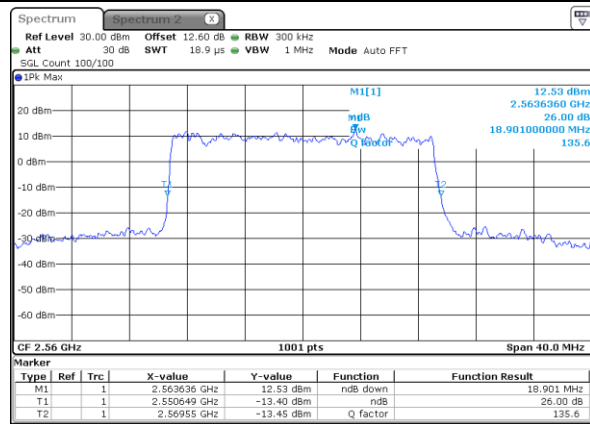
Date: 20 AUG 2020 01:09:14

## Highest Channel / 15MHz / 64QAM



Date: 20 AUG 2020 00:48:46

## Highest Channel / 20MHz / 64QAM



Date: 20 AUG 2020 01:10:38

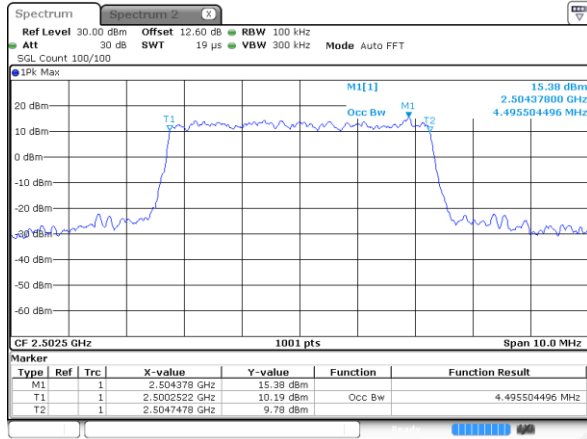
**Occupied Bandwidth**

| 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  | 4.49  | 9.05  | 9.01  | 13.49 | 13.37 | 17.86 | 17.82 |
| Middle CH  | -                        | -     | -     | -     | 4.48  | 4.51  | 9.01  | 9.01  | 13.40 | 13.43 | 17.90 | 17.82 |
| Highest CH | -                        | -     | -     | -     | 4.48  | 4.49  | 9.03  | 9.03  | 13.34 | 13.40 | 17.90 | 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  | -                        | -     | -     | -     | 4.50  | -     | 9.07  | -     | 13.37 | -     | 17.90 | -     |
| Middle CH  | -                        | -     | -     | -     | 4.52  | -     | 9.07  | -     | 13.37 | -     | 18.02 | -     |
| Highest CH | -                        | -     | -     | -     | 4.49  | -     | 9.05  | -     | 13.31 | -     | 17.90 | -     |



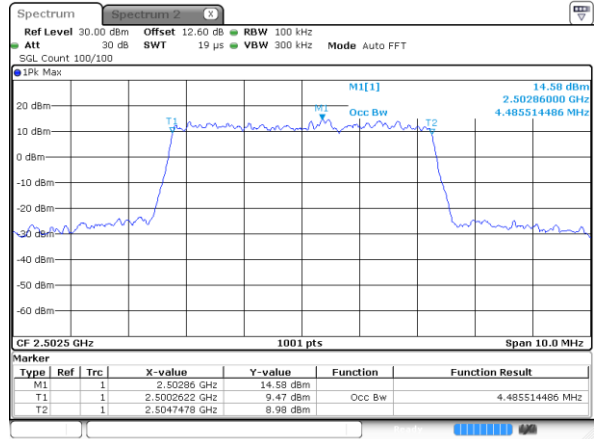
## LTE Band 7

## Lowest Channel / 5MHz / QPSK



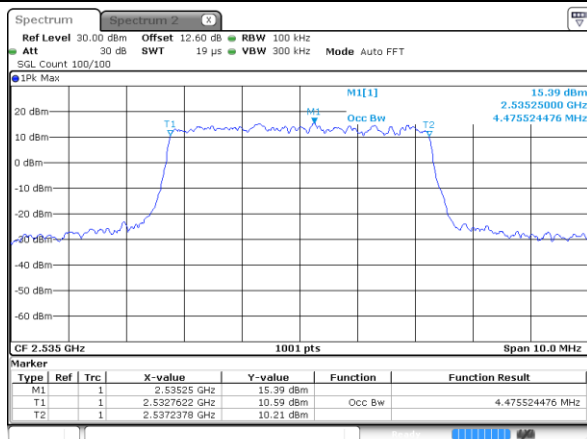
Date: 19 AUG 2020 23:35:02

## Lowest Channel / 5MHz / 16QAM



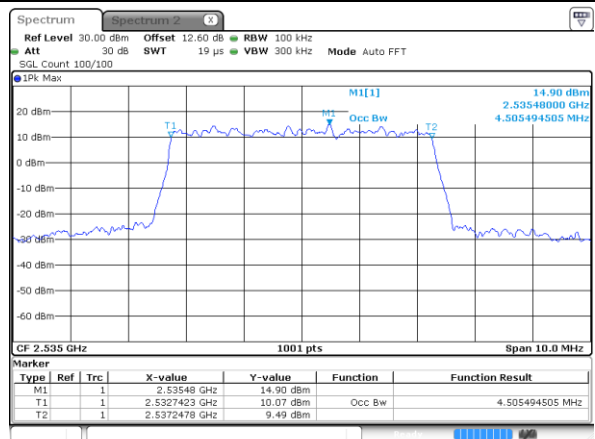
Date: 19 AUG 2020 23:35:14

## Middle Channel / 5MHz / QPSK



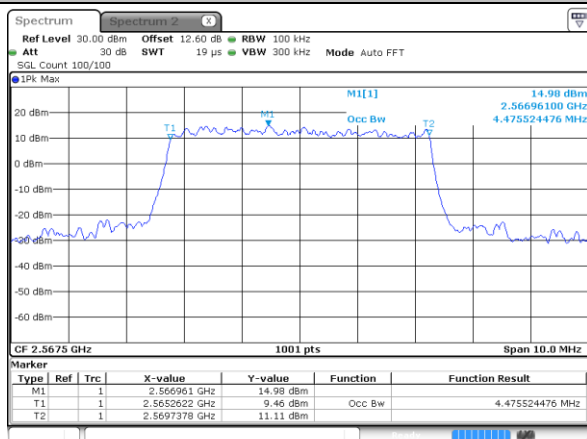
Date: 19 AUG 2020 23:40:57

## Middle Channel / 5MHz / 16QAM



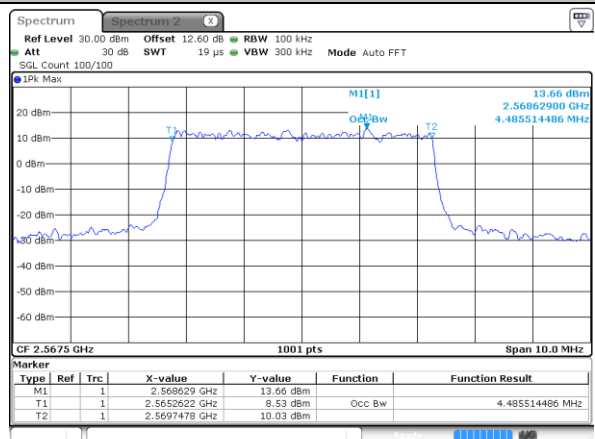
Date: 19 AUG 2020 23:41:09

## Highest Channel / 5MHz / QPSK



Date: 19 AUG 2020 23:43:43

## Highest Channel / 5MHz / 16QAM

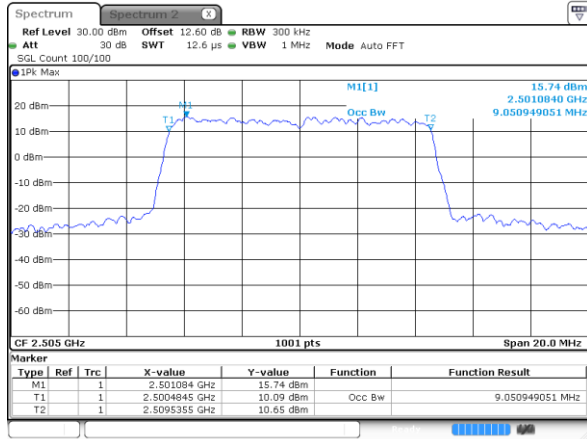


Date: 19 AUG 2020 23:43:55



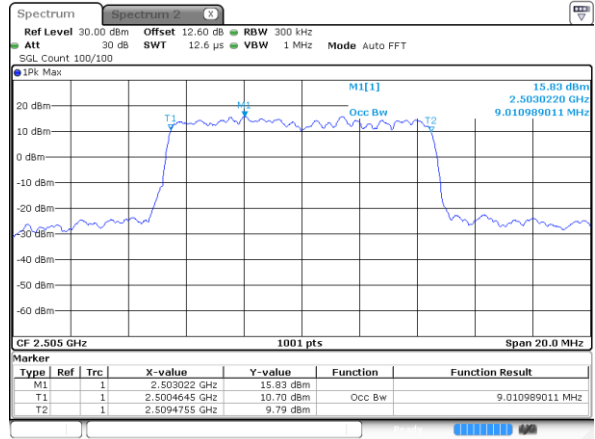
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



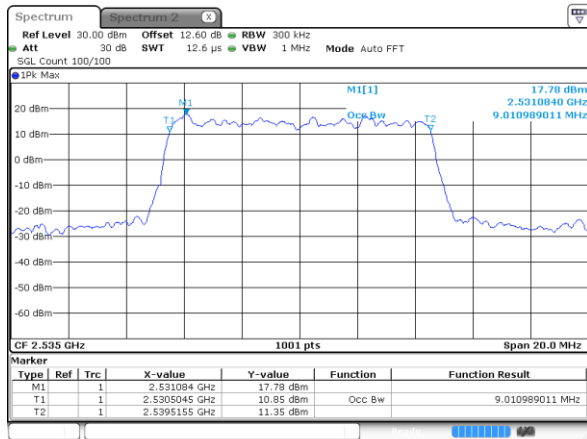
Date: 20 AUG 2020 00:07:48

## Lowest Channel / 10MHz / 16QAM



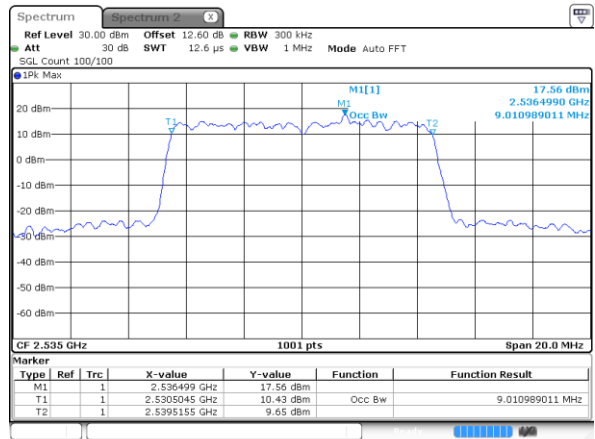
Date: 20 AUG 2020 00:08:01

## Middle Channel / 10MHz / QPSK



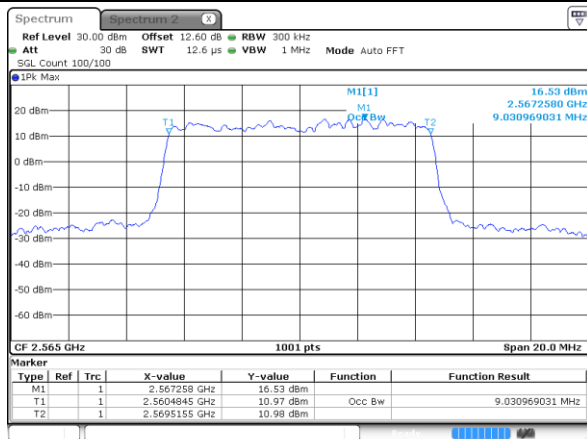
Date: 20 AUG 2020 00:13:43

## Middle Channel / 10MHz / 16QAM



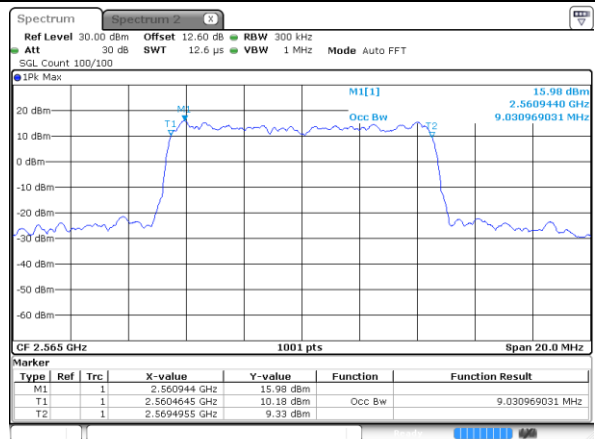
Date: 20 AUG 2020 00:13:54

## Highest Channel / 10MHz / QPSK



Date: 20 AUG 2020 00:16:28

## Highest Channel / 10MHz / 16QAM

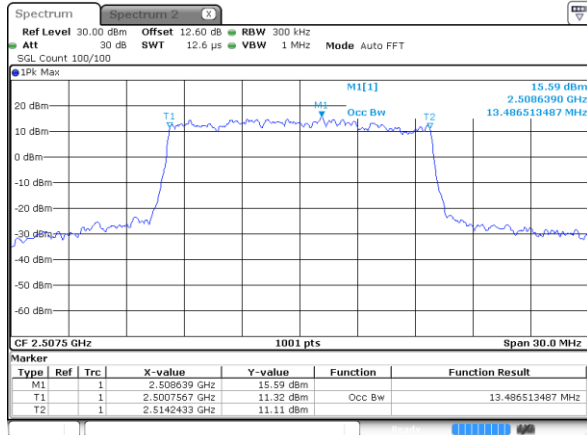


Date: 20 AUG 2020 00:16:41

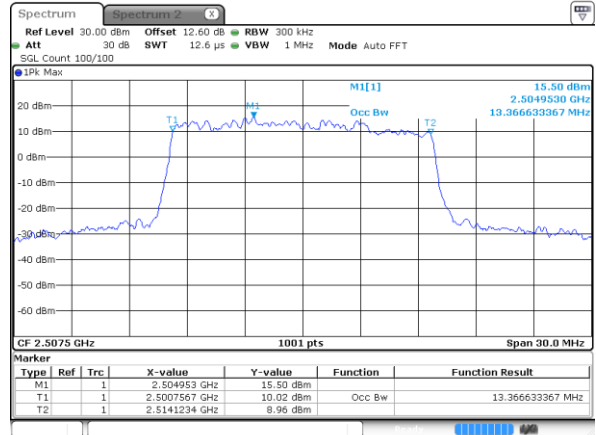


## LTE Band 7

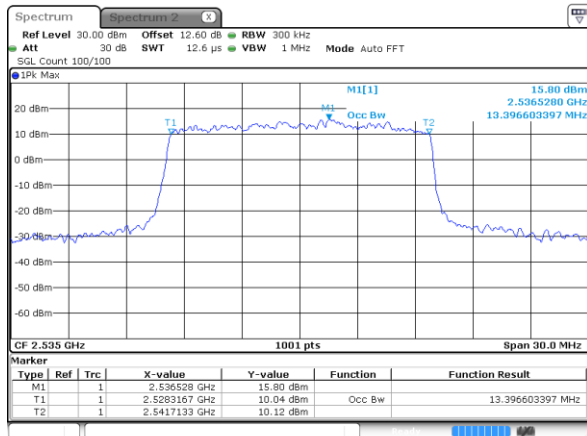
## Lowest Channel / 15MHz / QPSK



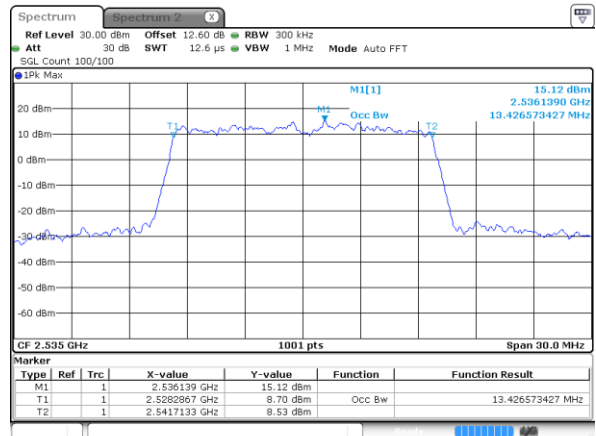
## Lowest Channel / 15MHz / 16QAM



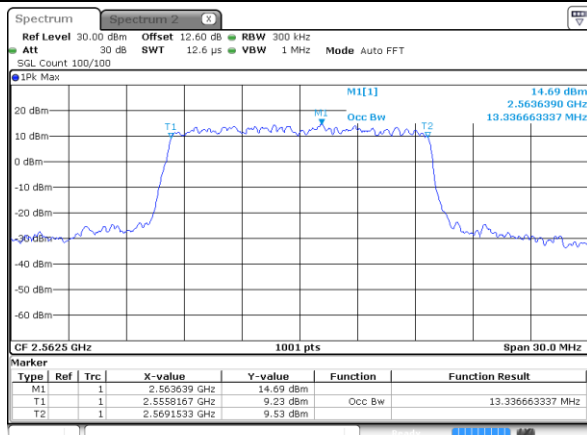
## Middle Channel / 15MHz / QPSK



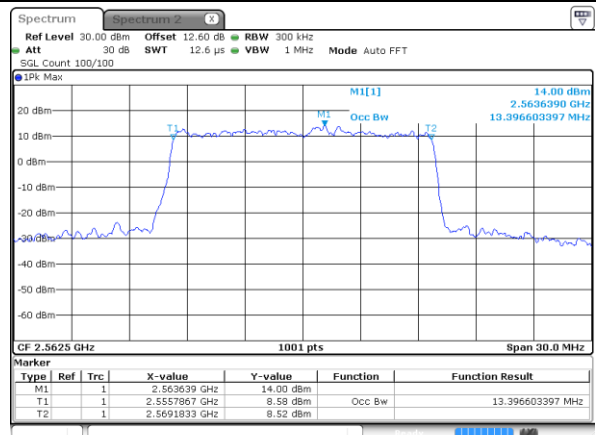
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



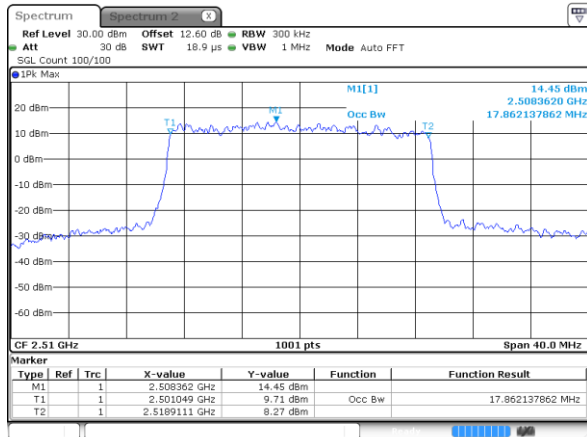
## Highest Channel / 15MHz / 16QAM



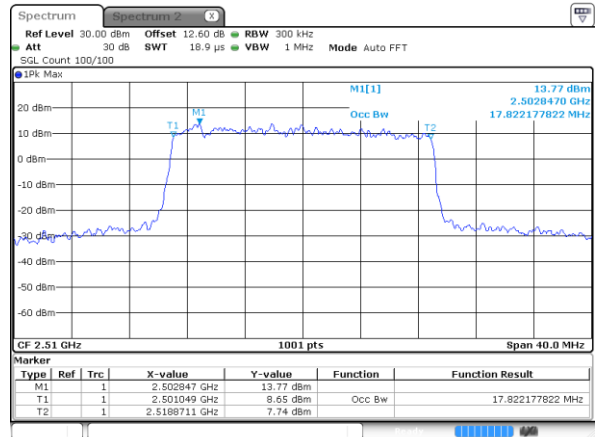


## LTE Band 7

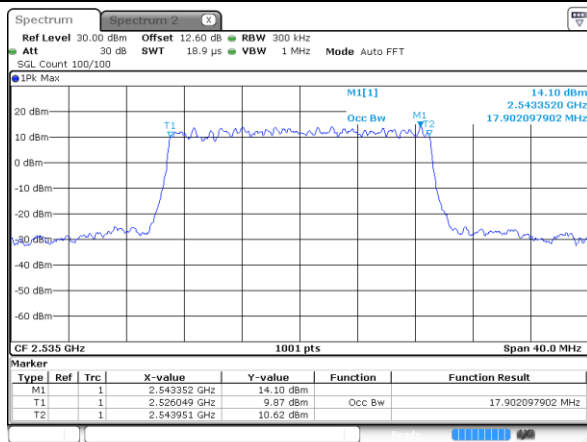
## Lowest Channel / 20MHz / QPSK



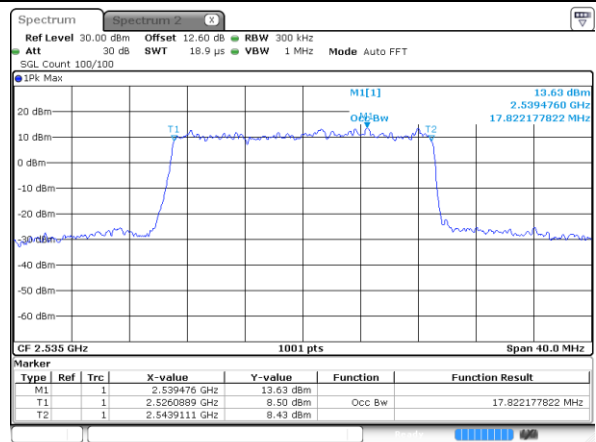
## Lowest Channel / 20MHz / 16QAM



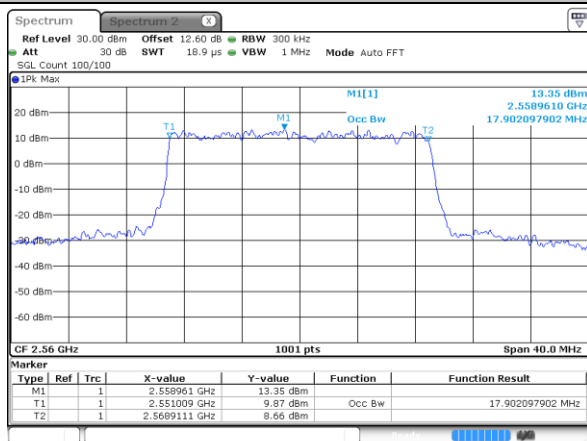
## Middle Channel / 20MHz / QPSK



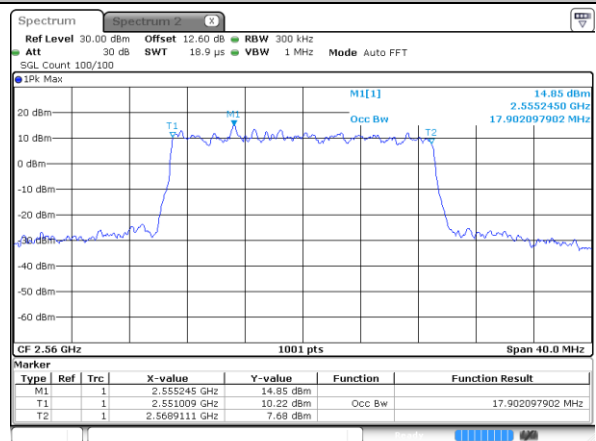
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



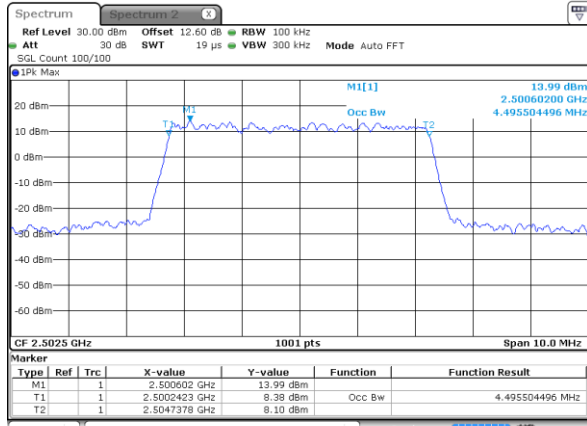
## Highest Channel / 20MHz / 16QAM





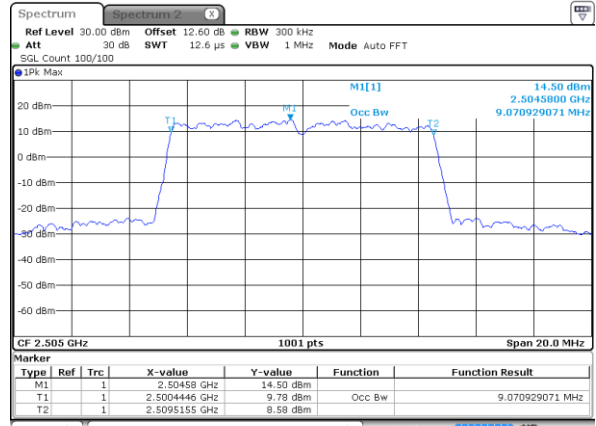
## LTE Band 7

## Lowest Channel / 5MHz / 64QAM



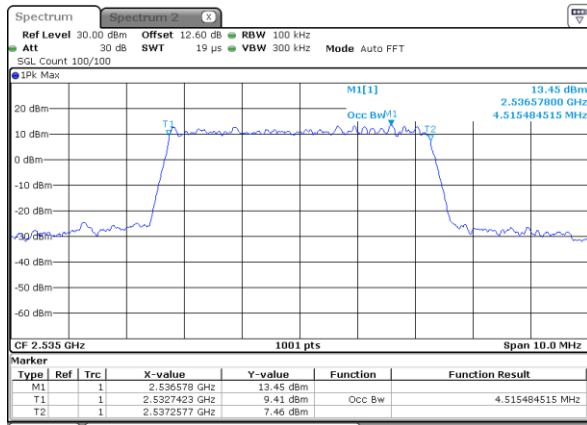
Date: 19 AUG 2020 23:49:37

## Lowest Channel / 10MHz / 64QAM



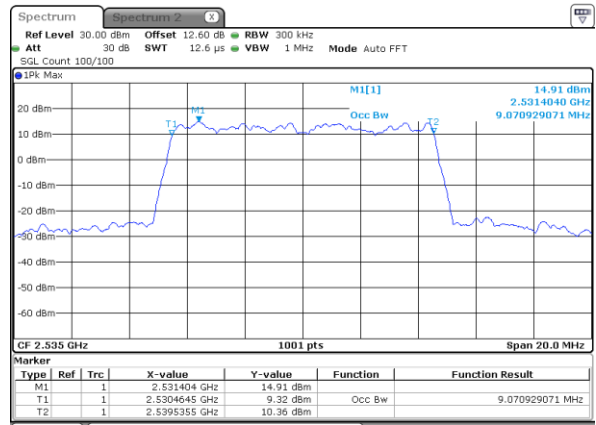
Date: 20 AUG 2020 00:22:23

## Middle Channel / 5MHz / 64QAM



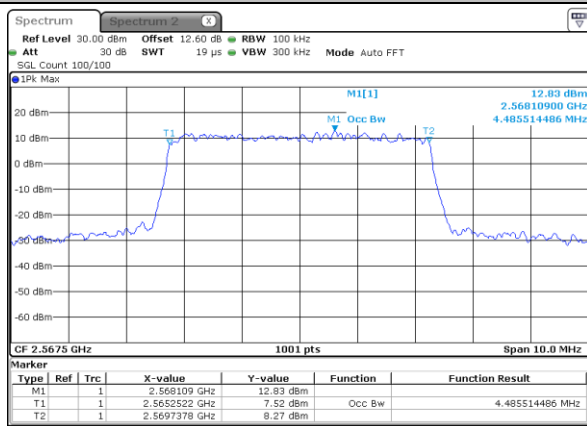
Date: 20 AUG 2020 00:03:28

## Middle Channel / 10MHz / 64QAM



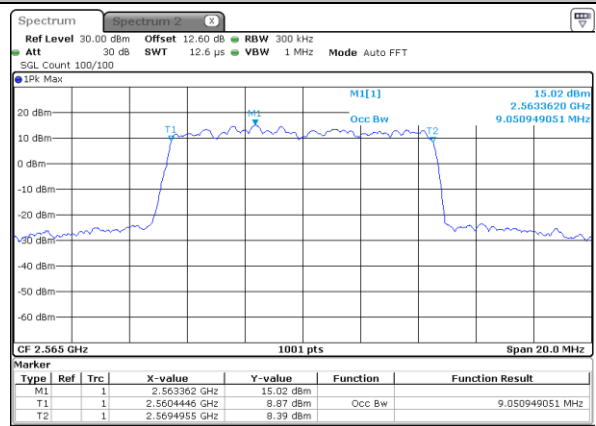
Date: 20 AUG 2020 00:25:19

## Highest Channel / 5MHz / 64QAM



Date: 20 AUG 2020 00:04:51

## Highest Channel / 10MHz / 64QAM



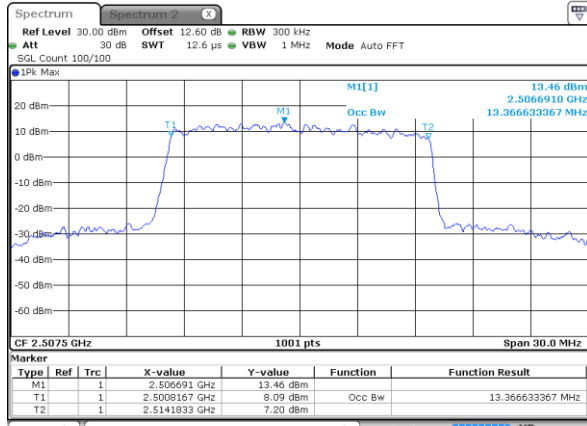
Date: 20 AUG 2020 00:26:42





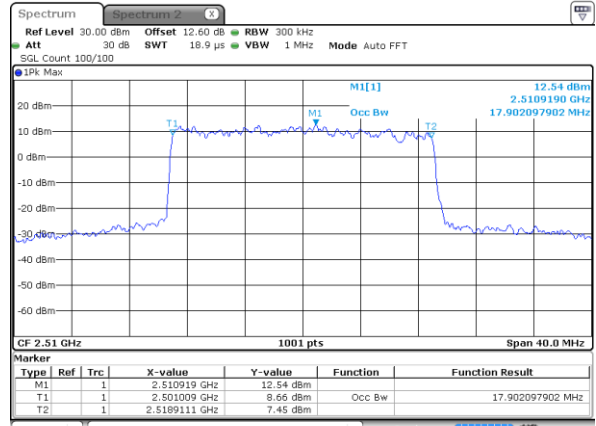
## LTE Band 7

## Lowest Channel / 15MHz / 64QAM



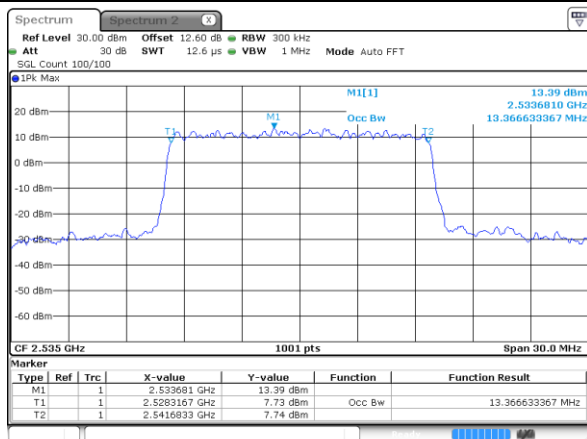
Date: 20 AUG 2020 00:44:14

## Lowest Channel / 20MHz / 64QAM



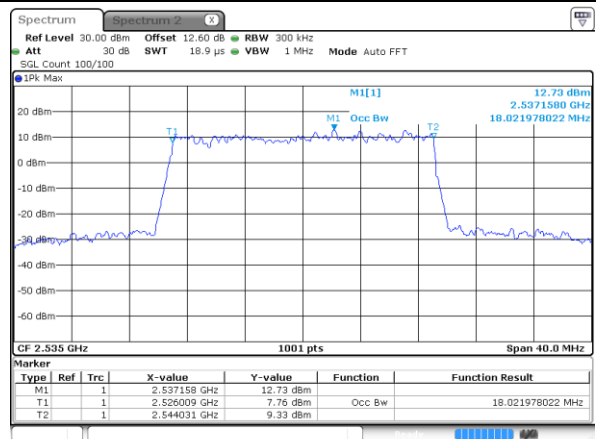
Date: 20 AUG 2020 01:06:06

## Middle Channel / 15MHz / 64QAM



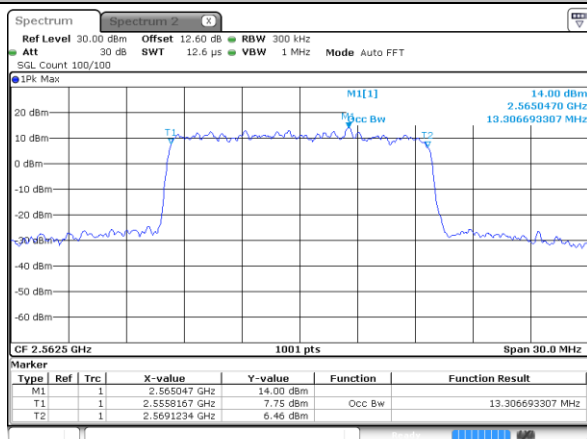
Date: 20 AUG 2020 00:47:11

## Middle Channel / 20MHz / 64QAM



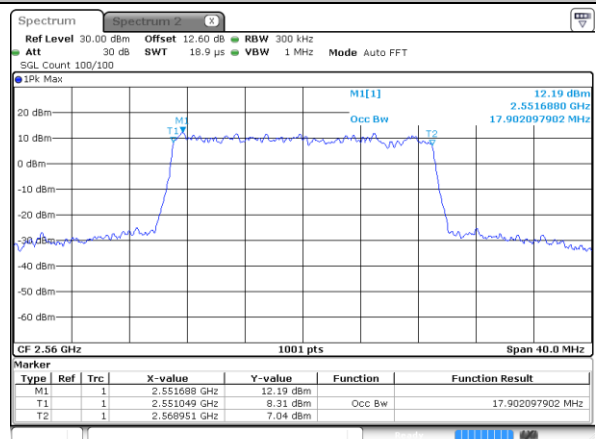
Date: 20 AUG 2020 01:09:03

## Highest Channel / 15MHz / 64QAM

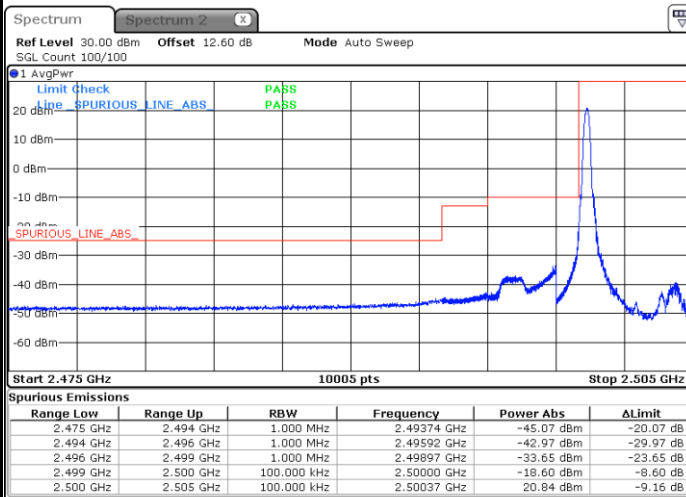
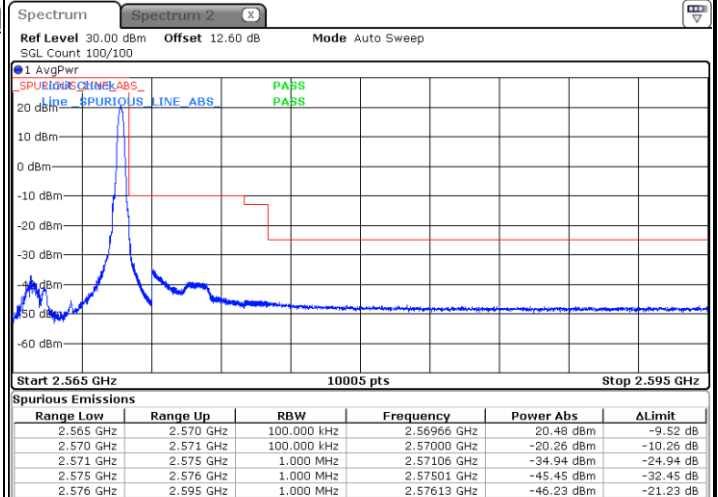
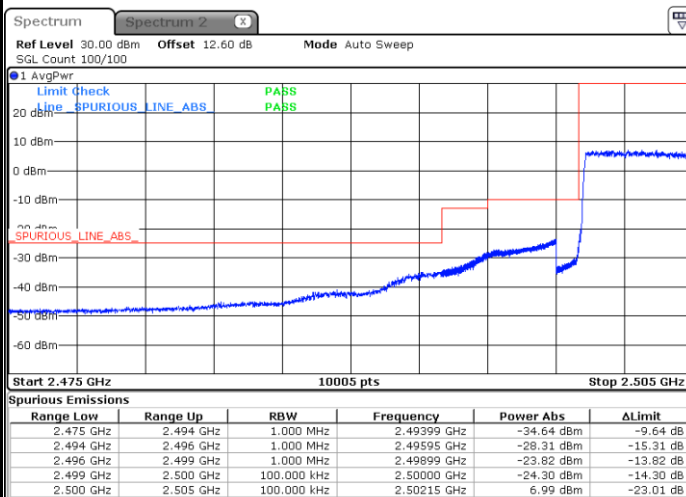


Date: 20 AUG 2020 00:48:34

## Highest Channel / 20MHz / 64QAM



Date: 20 AUG 2020 01:10:26

**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**