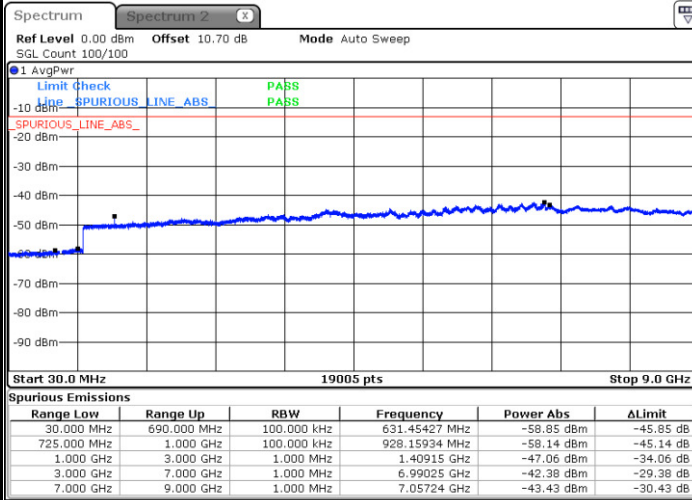




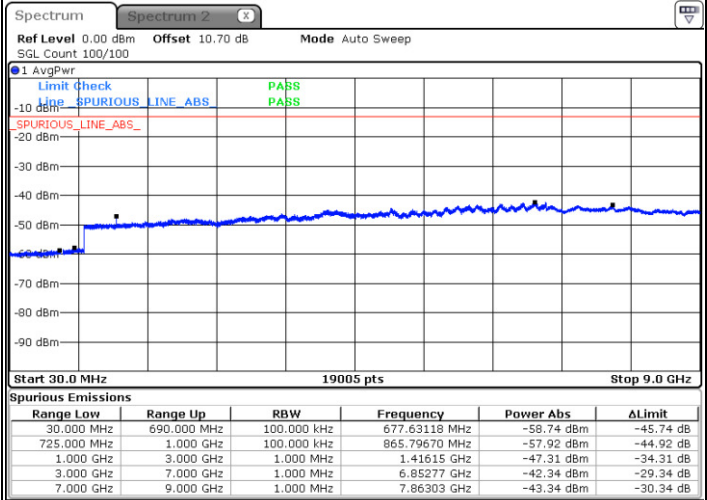
## LTE Band 17 / 5MHz

## Lowest Channel / 64QAM



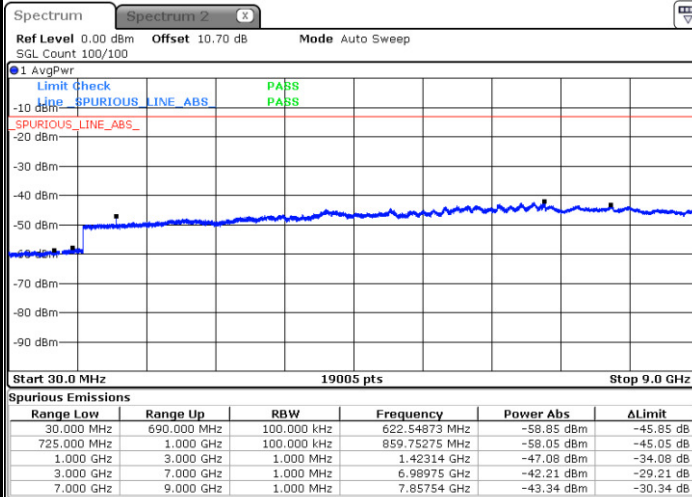
Date: 1.FEB.2018 01:24:36

## Middle Channel / 64QAM



Date: 1.FEB.2018 01:25:50

## Highest Channel / 64QAM

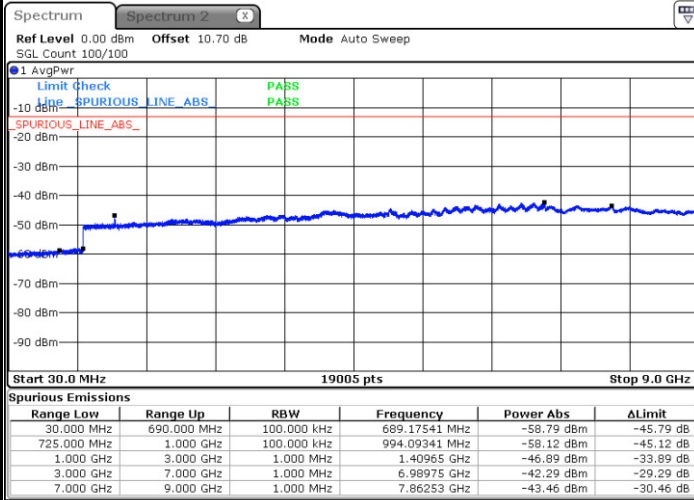


Date: 1.FEB.2018 01:29:21



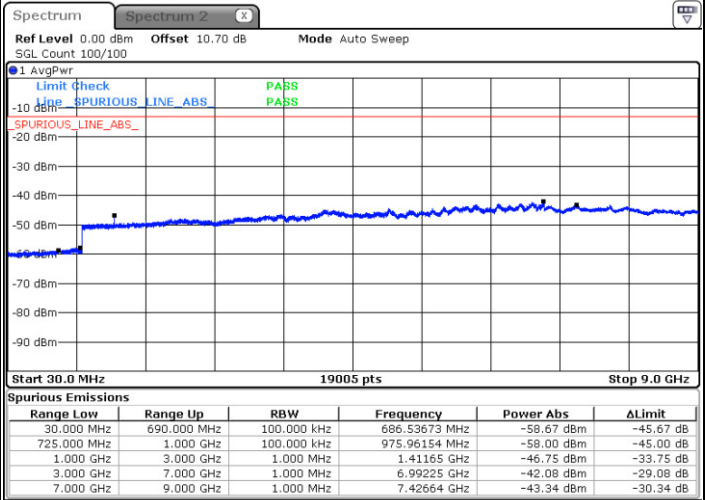
## LTE Band 17 / 10MHz

## Lowest Channel / 64QAM



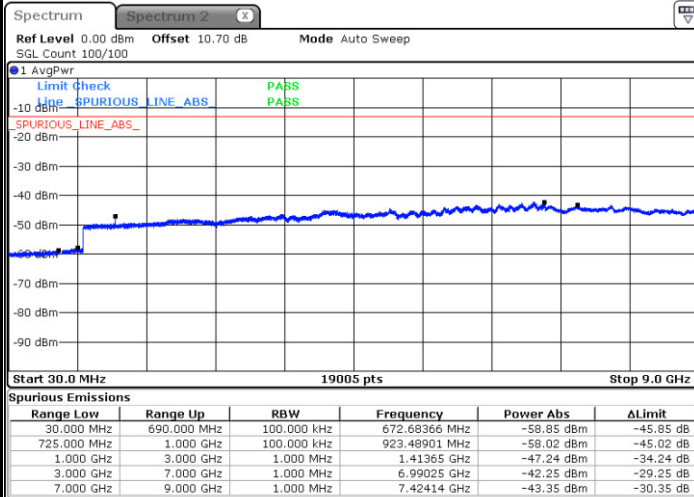
Date: 1.FEB.2018 01:32:52

## Middle Channel / 64QAM



Date: 1.FEB.2018 01:34:06

## Highest Channel / 64QAM



Date: 1.FEB.2018 01:37:37

## Frequency Stability

| Test Conditions  |                   | LTE Band 17 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0049                              | PASS    |
| 40               | Normal Voltage    | 0.0014                              |         |
| 30               | Normal Voltage    | 0.0046                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0001                              |         |
| 0                | Normal Voltage    | 0.0000                              |         |
| -10              | Normal Voltage    | 0.0010                              |         |
| -20              | Normal Voltage    | 0.0007                              |         |
| -30              | Normal Voltage    | 0.0003                              |         |
| 20               | Maximum Voltage   | 0.0014                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0045                              |         |

**Note:**

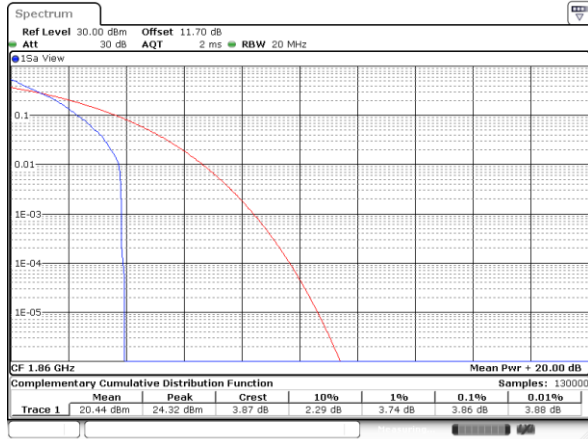
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



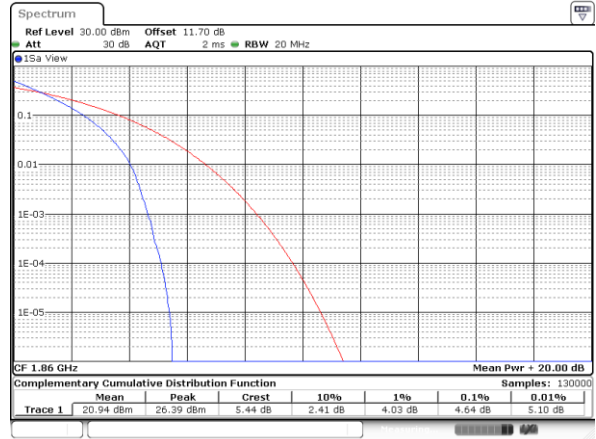
## LTE Band 25

### Peak-to-Average Ratio

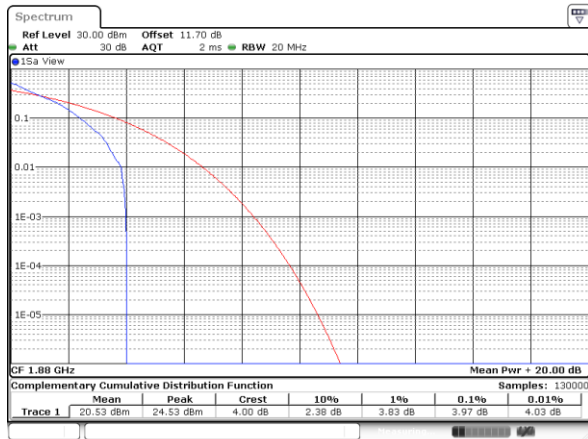
| Mode       | LTE Band 25 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 3.86                | 4.64    | 4.81  | 5.54    | PASS        |
| Middle CH  | 3.97                | 4.49    | 4.9   | 5.54    |             |
| Highest CH | 4.12                | 4.43    | 4.64  | 5.51    |             |
| Mode       | LTE Band 25 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 5.54                | 6.00    | -     | -       | PASS        |
| Middle CH  | 5.88                | 5.97    | -     | -       |             |
| Highest CH | 5.54                | 6.03    | -     | -       |             |

**LTE Band 25 / 20MHz / QPSK**
**Lowest Channel / 1RB**


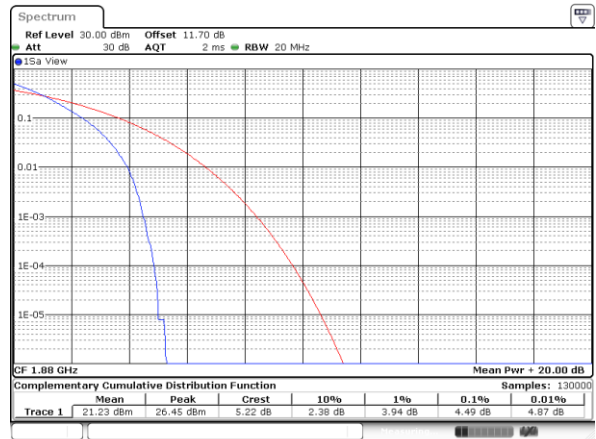
Date: 5 JAN 2018 23:14:25

**Lowest Channel / Full RB**


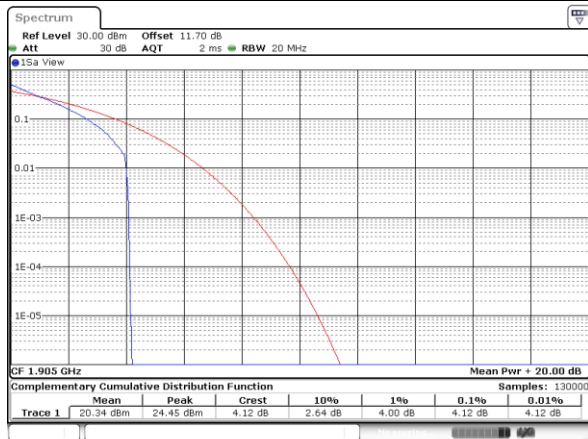
Date: 5 JAN 2018 23:17:10

**Middle Channel / 1RB**


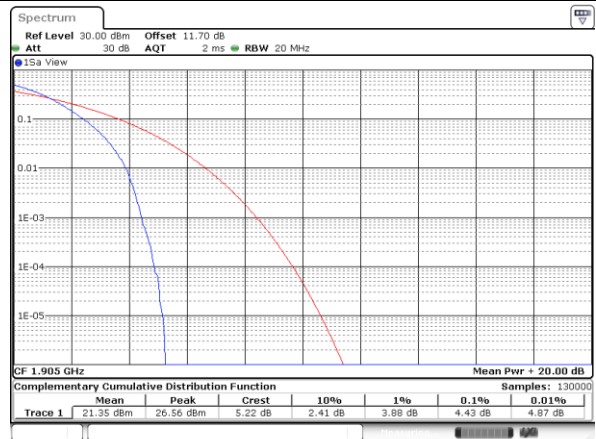
Date: 5 JAN 2018 23:20:28

**Middle Channel / Full RB**


Date: 5 JAN 2018 23:27:58

**Highest Channel / 1RB**


Date: 5 JAN 2018 23:28:31

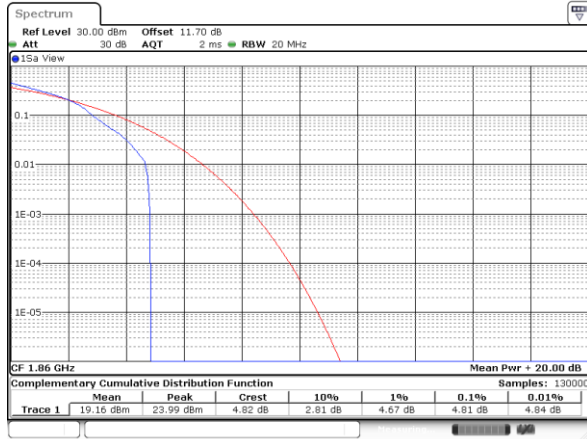
**Highest Channel / Full RB**


Date: 5 JAN 2018 23:28:40

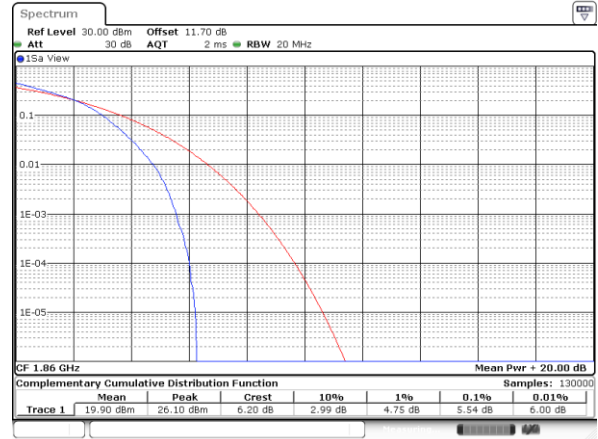


## LTE Band 25 / 20MHz / 16QAM

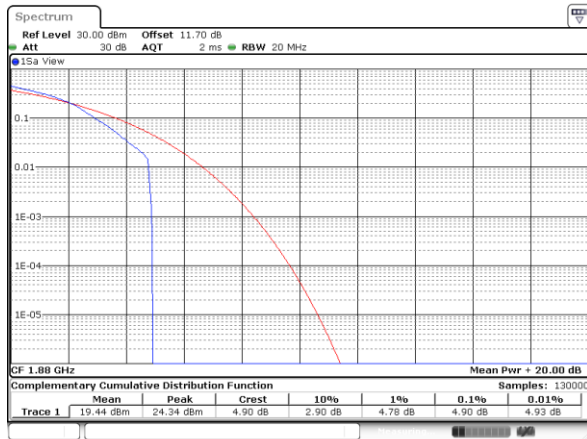
## Lowest Channel / 1RB



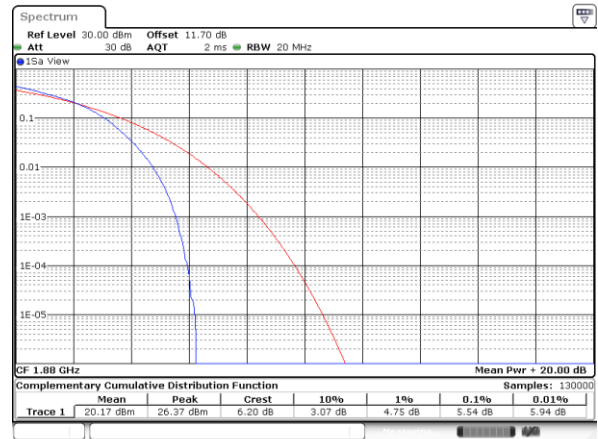
## Lowest Channel / Full RB



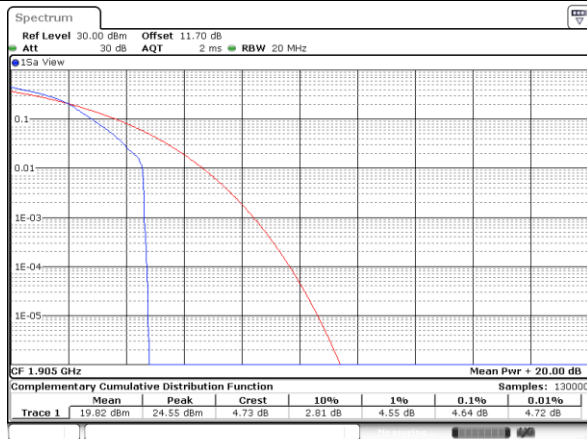
## Middle Channel / 1RB



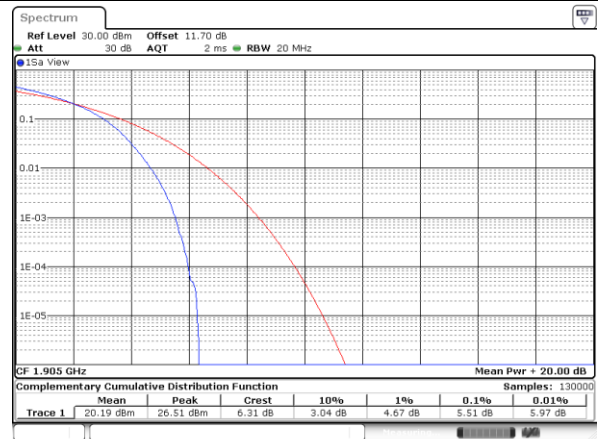
## Middle Channel / Full RB



## Highest Channel / 1RB



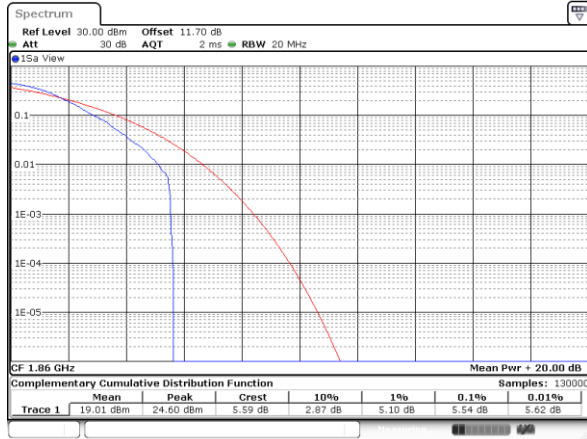
## Highest Channel / Full RB



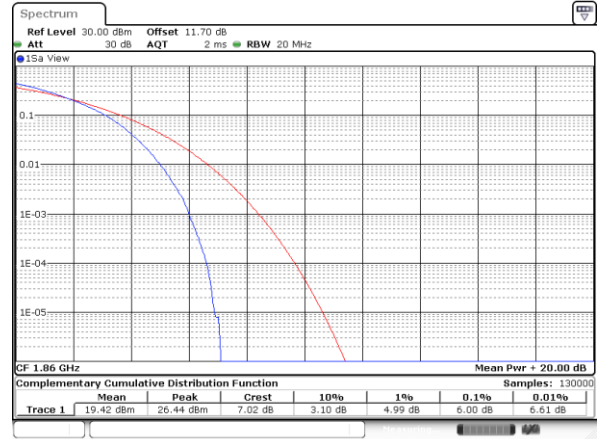


## LTE Band 25 / 20MHz / 64QAM

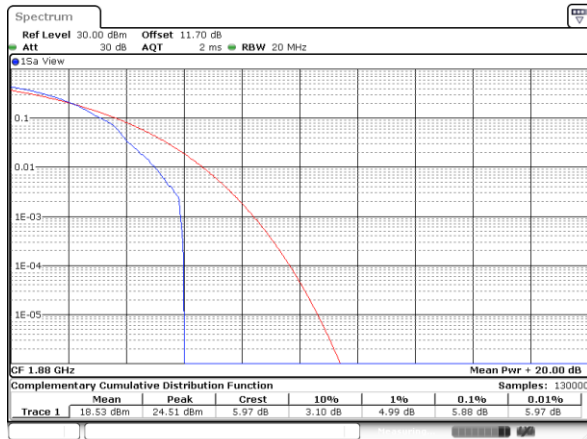
## Lowest Channel / 1RB



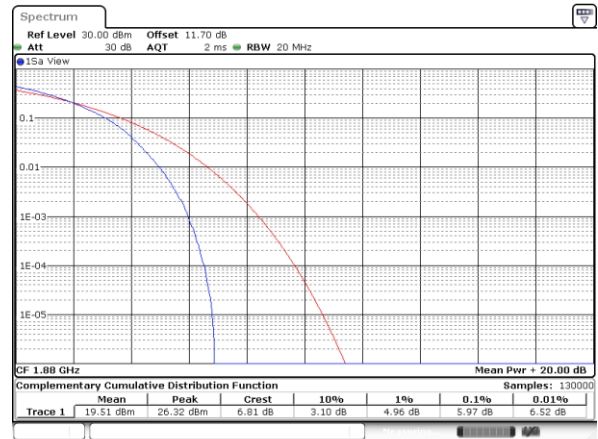
## Lowest Channel / Full RB



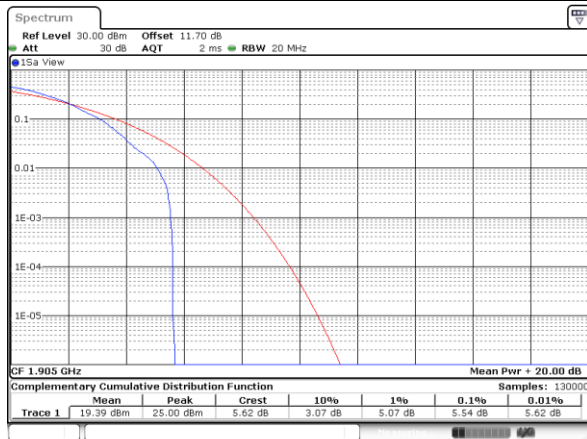
## Middle Channel / 1RB



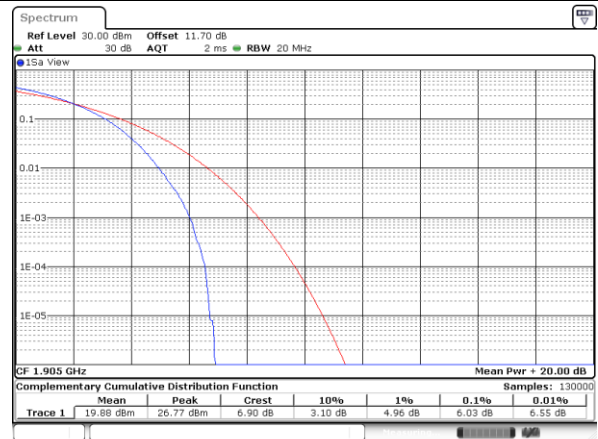
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



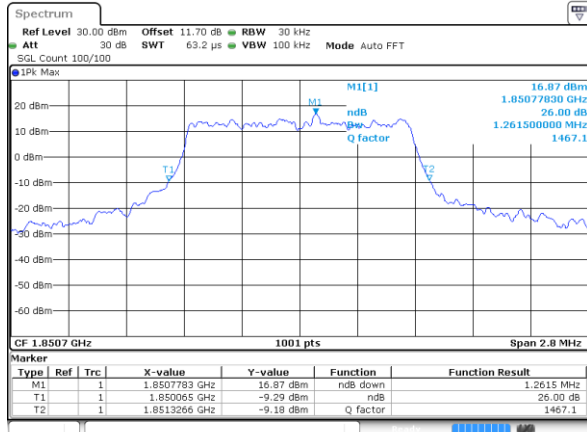
**26dB Bandwidth**

| Mode       | LTE Band 25 : 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  | 1.26                       | 1.26  | 3.02  | 2.99  | 4.91  | 4.97  | 9.71  | 9.87  | 14.48 | 14.33 | 20.14 | 20.14 |
| Middle CH  | 1.26                       | 1.29  | 2.99  | 3.02  | 4.98  | 4.92  | 9.81  | 9.85  | 14.21 | 14.54 | 20.18 | 20.26 |
| Highest CH | 1.30                       | 1.33  | 3.02  | 2.98  | 4.88  | 4.90  | 9.77  | 9.63  | 14.42 | 14.39 | 20.18 | 20.06 |
| Mode       | LTE Band 25 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.31                       | -     | 2.97  | -     | 4.97  | -     | 9.65  | -     | 14.57 | -     | 20.14 | -     |
| Middle CH  | 1.28                       | -     | 2.99  | -     | 4.93  | -     | 9.65  | -     | 14.51 | -     | 20.18 | -     |
| Highest CH | 1.29                       | -     | 3.00  | -     | 4.92  | -     | 9.73  | -     | 14.18 | -     | 19.98 | -     |



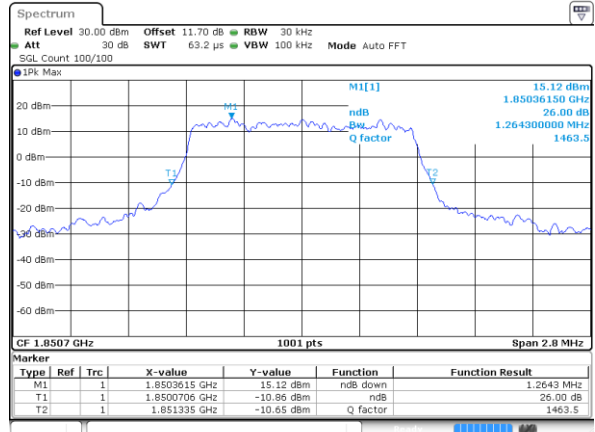
## LTE Band 25

## Lowest Channel / 1.4MHz / QPSK



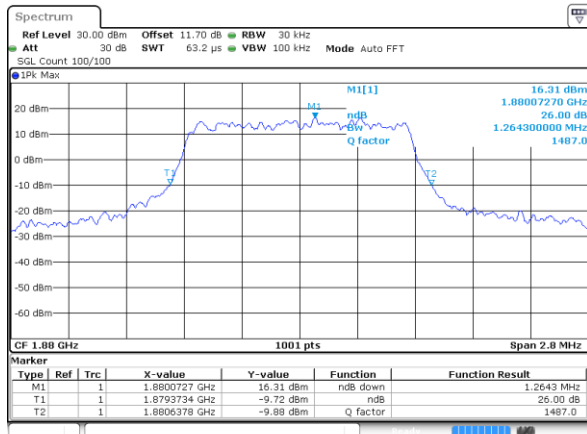
Date: 5 JAN 2018 22:37:01

## Lowest Channel / 1.4MHz / 16QAM



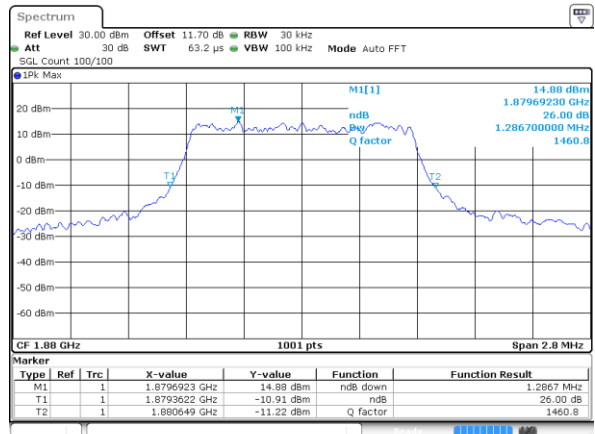
Date: 5 JAN 2018 22:37:11

## Middle Channel / 1.4MHz / QPSK



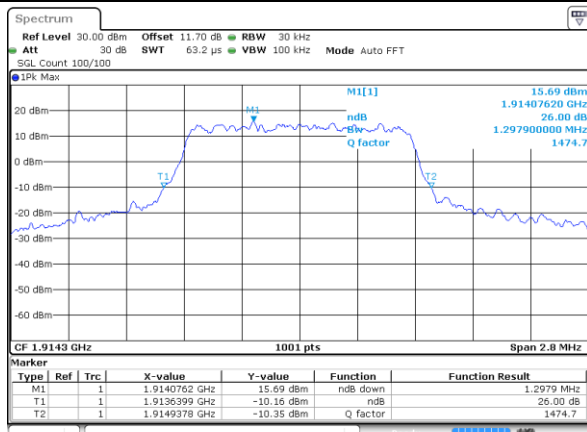
Date: 5 JAN 2018 23:02:19

## Middle Channel / 1.4MHz / 16QAM



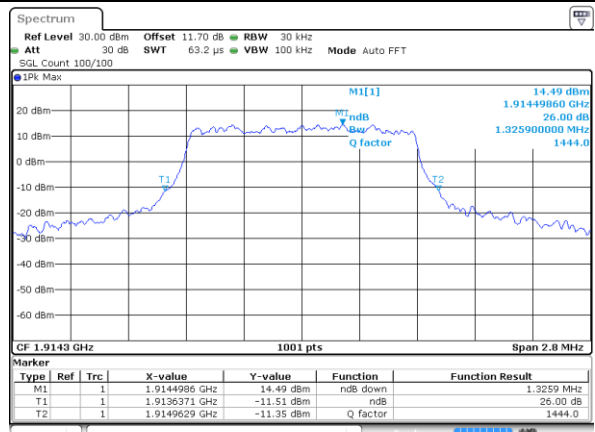
Date: 5 JAN 2018 23:02:29

## Highest Channel / 1.4MHz / QPSK



Date: 5 JAN 2018 23:04:58

## Highest Channel / 1.4MHz / 16QAM

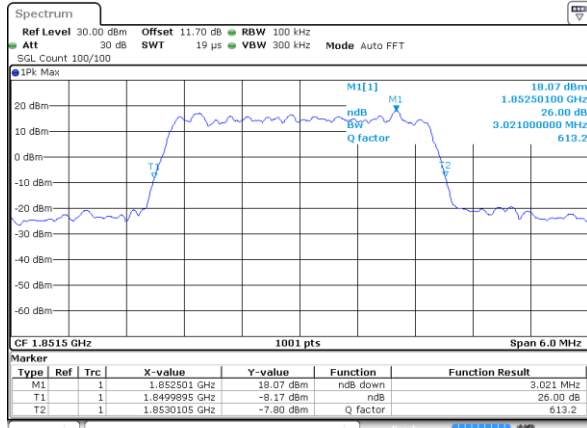


Date: 5 JAN 2018 23:04:48



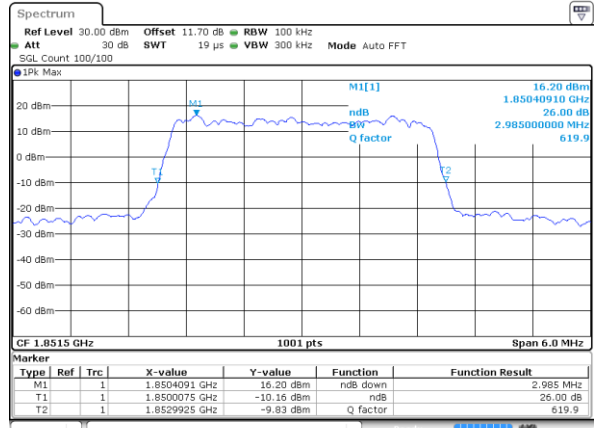
## LTE Band 25

## Lowest Channel / 3MHz / QPSK



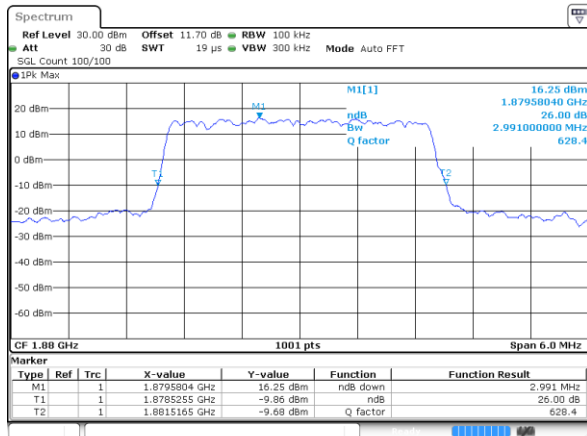
Date: 5 JAN 2018 21:08:30

## Lowest Channel / 3MHz / 16QAM



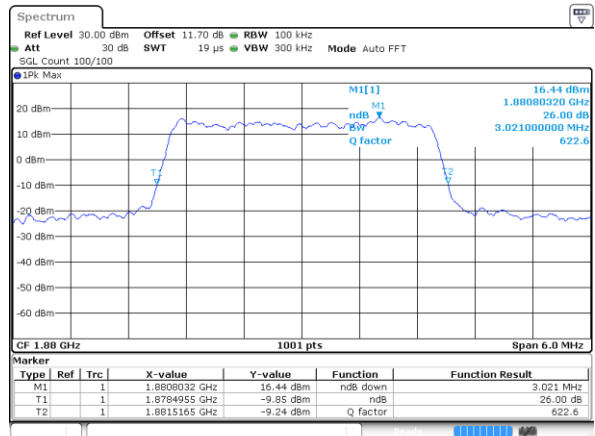
Date: 5 JAN 2018 21:08:40

## Middle Channel / 3MHz / QPSK



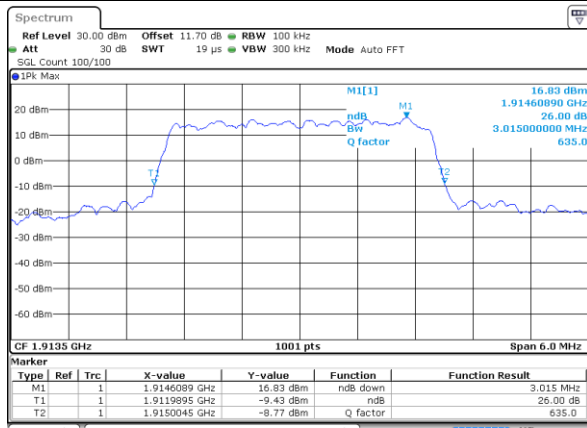
Date: 5 JAN 2018 21:15:33

## Middle Channel / 3MHz / 16QAM



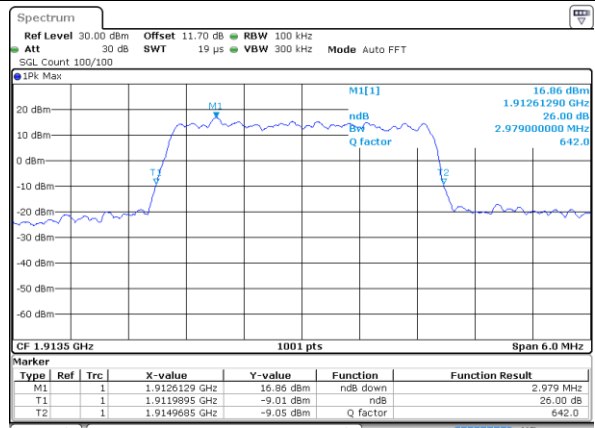
Date: 5 JAN 2018 21:15:43

## Highest Channel / 3MHz / QPSK



Date: 5 JAN 2018 21:18:11

## Highest Channel / 3MHz / 16QAM

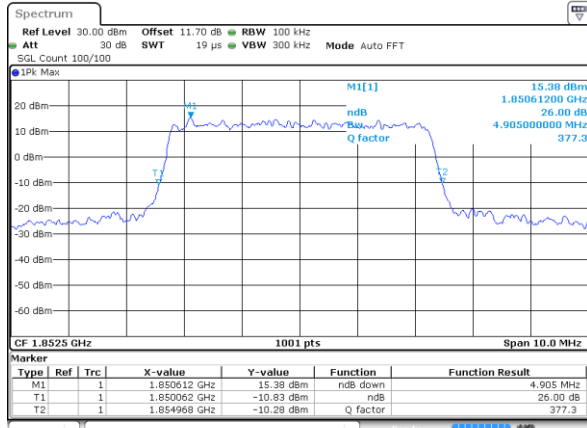


Date: 5 JAN 2018 21:18:01



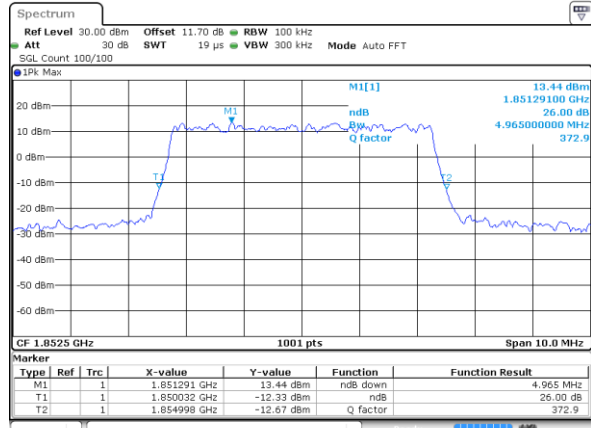
## LTE Band 25

## Lowest Channel / 5MHz / QPSK



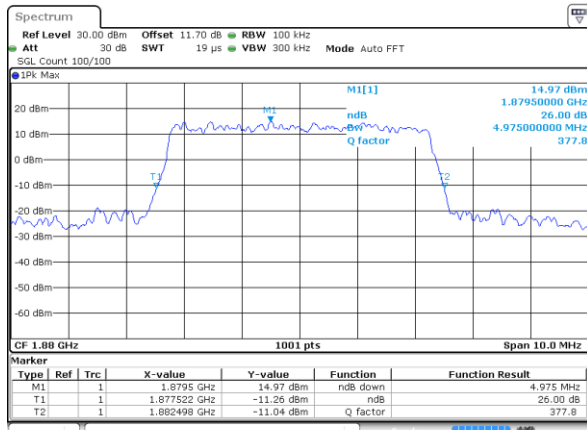
Date: 5 JAN 2018 21:25:04

## Lowest Channel / 5MHz / 16QAM



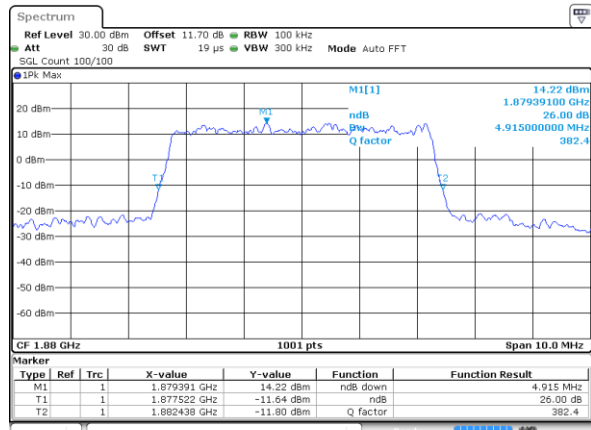
Date: 5 JAN 2018 21:25:14

## Middle Channel / 5MHz / QPSK



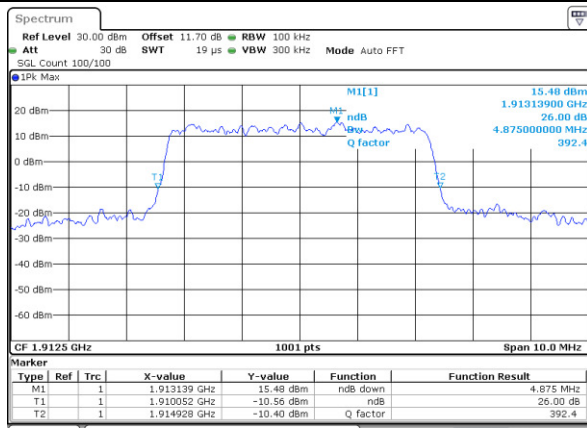
Date: 5 JAN 2018 21:32:08

## Middle Channel / 5MHz / 16QAM



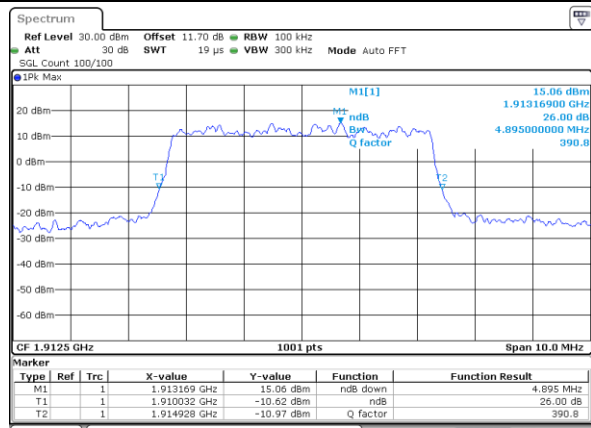
Date: 5 JAN 2018 21:32:18

## Highest Channel / 5MHz / QPSK



Date: 5 JAN 2018 21:34:46

## Highest Channel / 5MHz / 16QAM

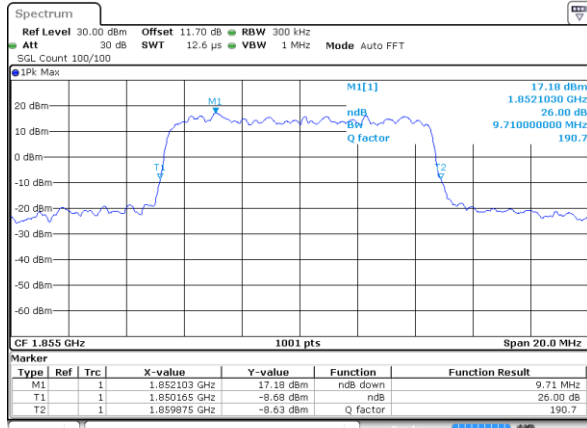


Date: 5 JAN 2018 21:34:36



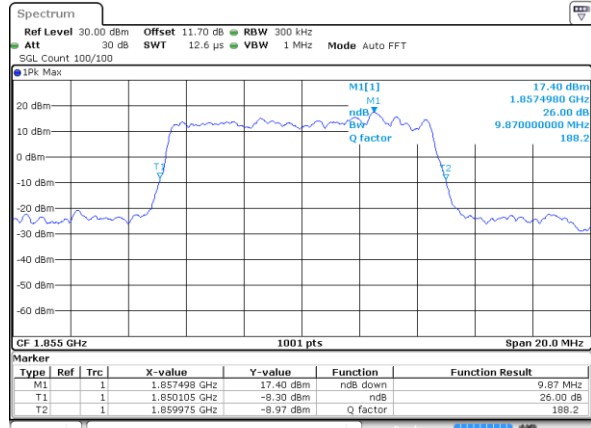
## LTE Band 25

## Lowest Channel / 10MHz / QPSK



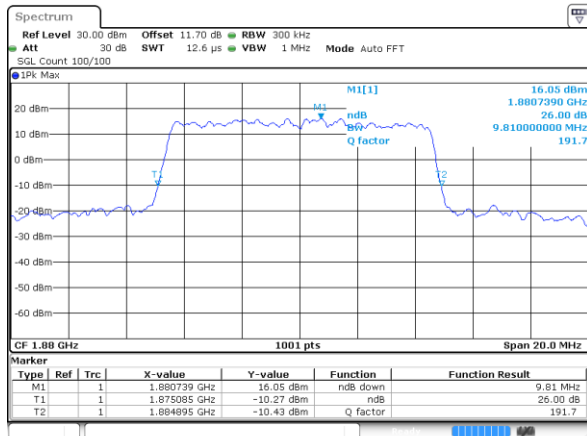
Date: 5 JAN 2018 21:41:39

## Lowest Channel / 10MHz / 16QAM



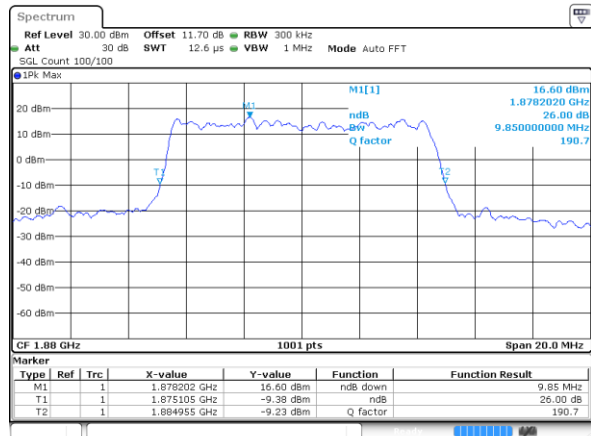
Date: 5 JAN 2018 21:41:49

## Middle Channel / 10MHz / QPSK



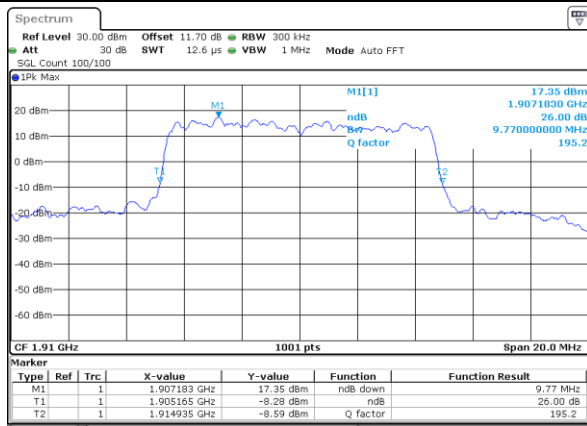
Date: 5 JAN 2018 21:48:42

## Middle Channel / 10MHz / 16QAM



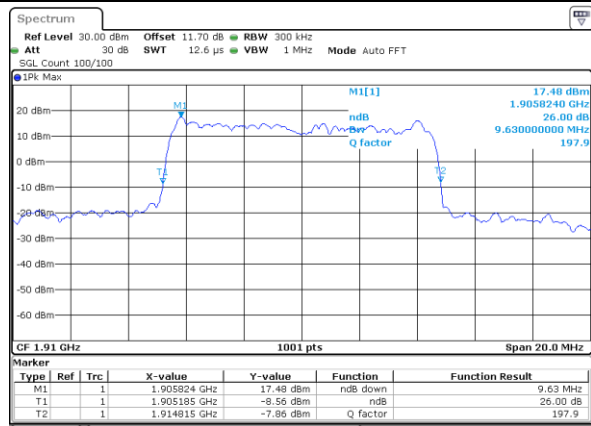
Date: 5 JAN 2018 21:48:52

## Highest Channel / 10MHz / QPSK



Date: 5 JAN 2018 21:51:20

## Highest Channel / 10MHz / 16QAM

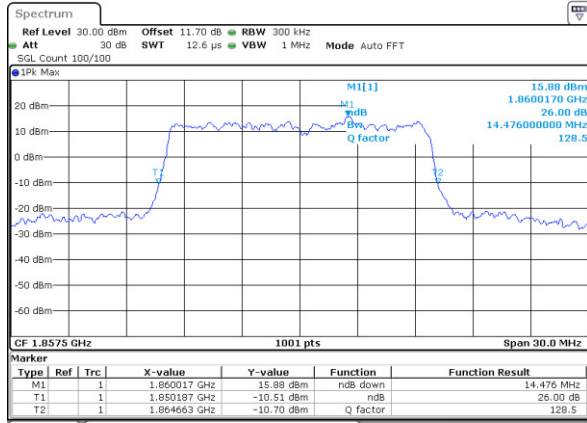


Date: 5 JAN 2018 21:51:10



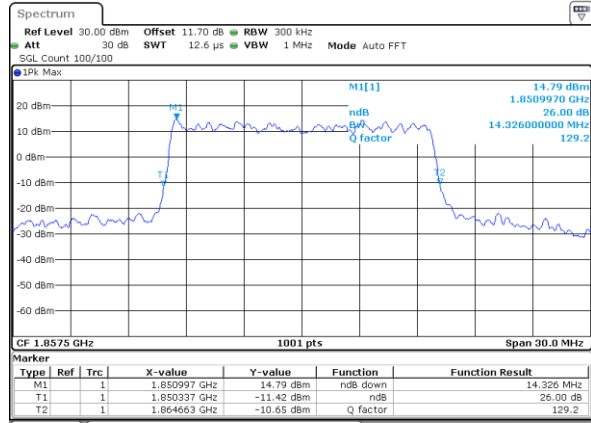
## LTE Band 25

## Lowest Channel / 15MHz / QPSK



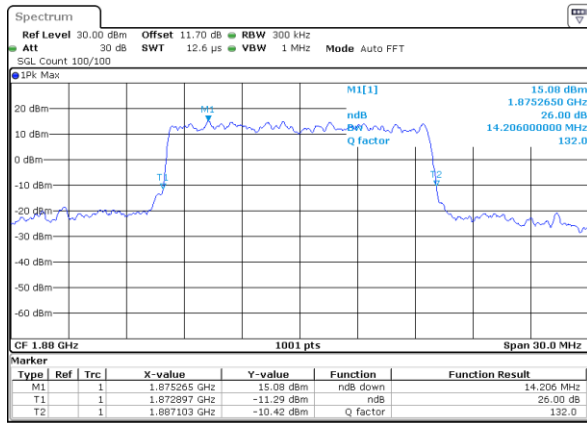
Date: 5 JAN 2018 21:58:14

## Lowest Channel / 15MHz / 16QAM



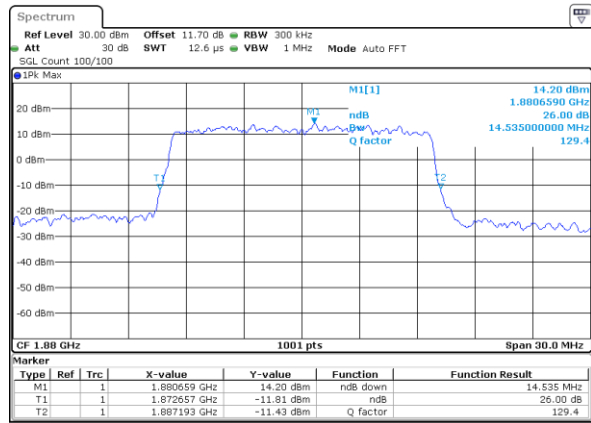
Date: 5 JAN 2018 21:58:24

## Middle Channel / 15MHz / QPSK



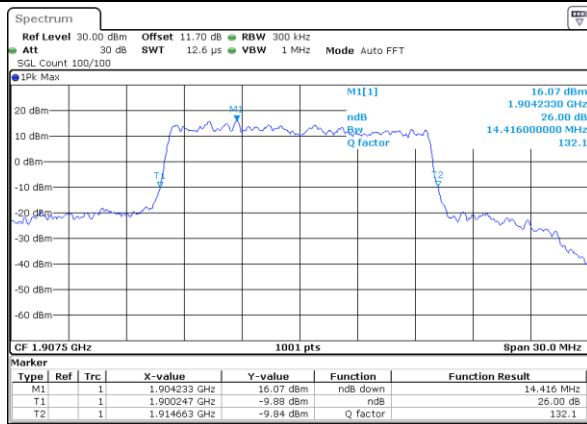
Date: 5 JAN 2018 22:05:17

## Middle Channel / 15MHz / 16QAM



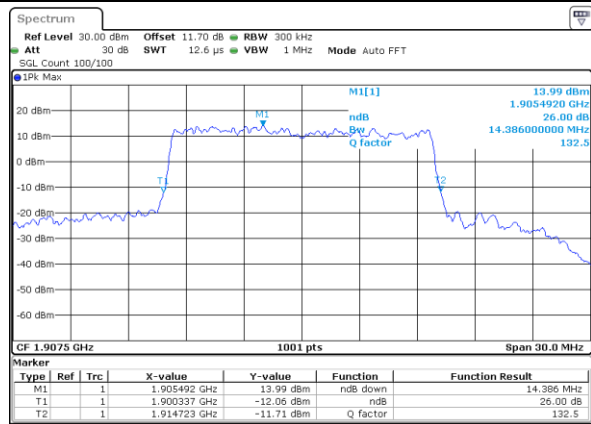
Date: 5 JAN 2018 22:05:27

## Highest Channel / 15MHz / QPSK



Date: 5 JAN 2018 22:07:55

## Highest Channel / 15MHz / 16QAM

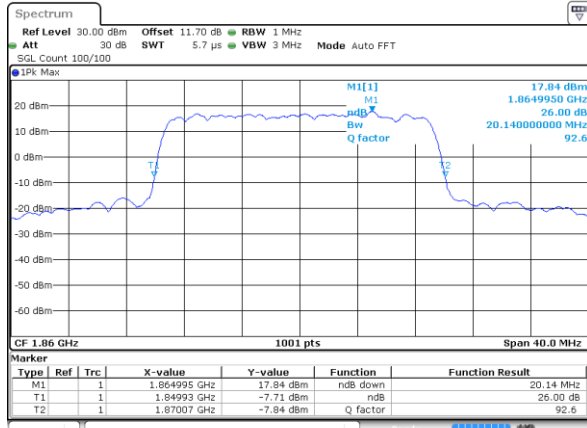


Date: 5 JAN 2018 22:07:45



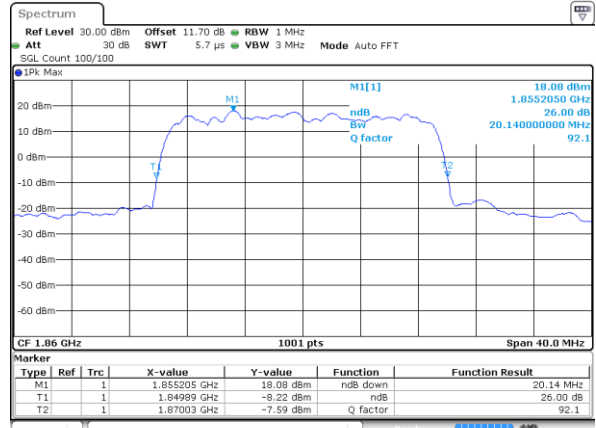
## LTE Band 25

## Lowest Channel / 20MHz / QPSK



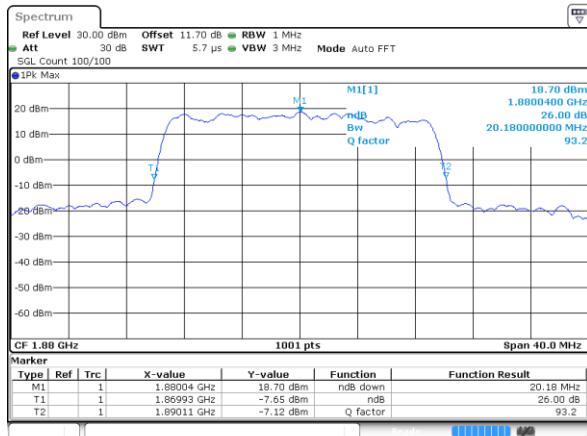
Date: 5 JAN 2018 22:14:48

## Lowest Channel / 20MHz / 16QAM



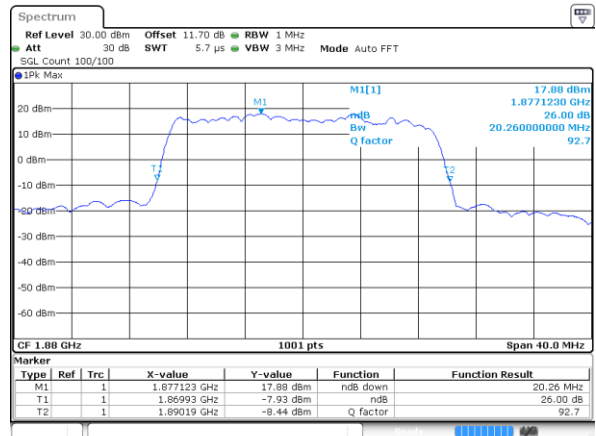
Date: 5 JAN 2018 22:14:58

## Middle Channel / 20MHz / QPSK



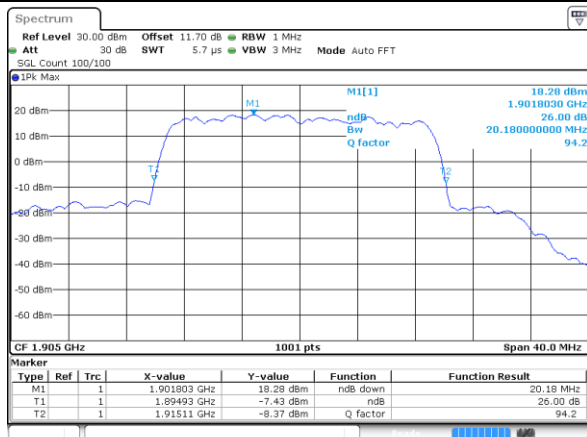
Date: 5 JAN 2018 22:21:51

## Middle Channel / 20MHz / 16QAM



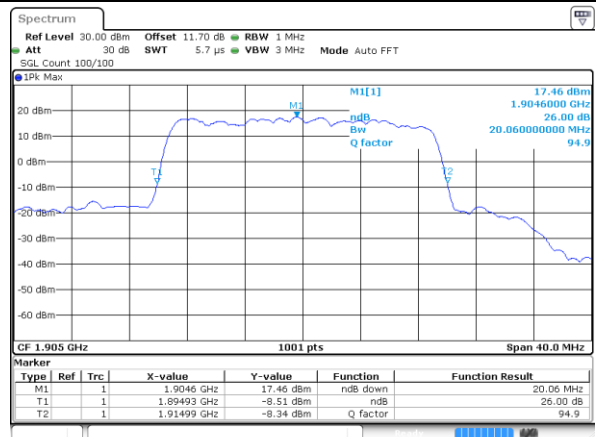
Date: 5 JAN 2018 22:22:01

## Highest Channel / 20MHz / QPSK



Date: 5 JAN 2018 22:30:08

## Highest Channel / 20MHz / 16QAM

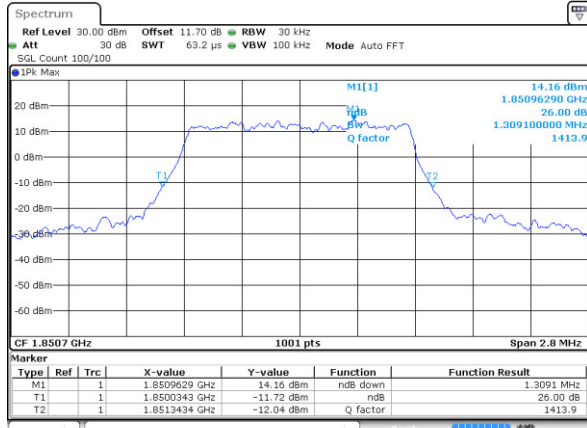


Date: 5 JAN 2018 22:29:58



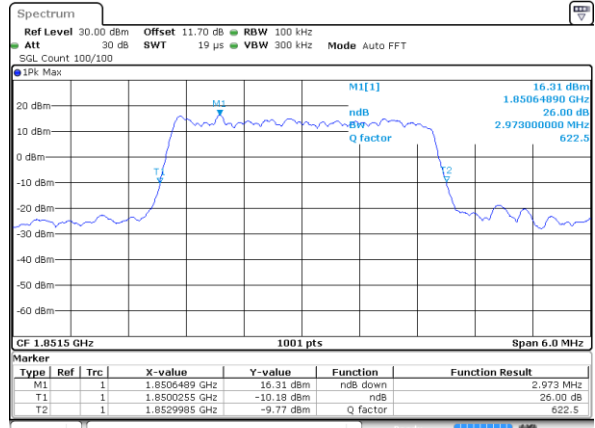
## LTE Band 25

## Lowest Channel / 1.4MHz / 64QAM



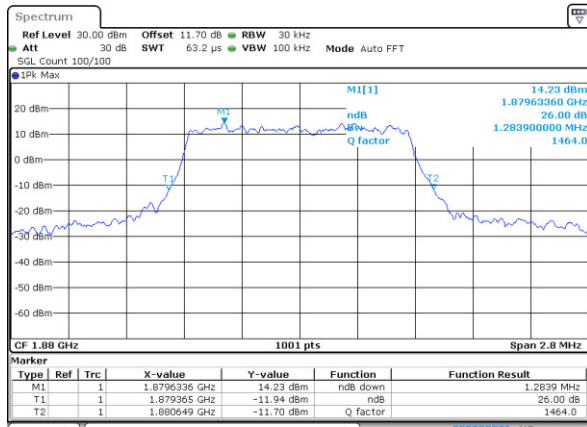
Date: 31 JAN 2018 22:50:04

## Lowest Channel / 3MHz / 64QAM



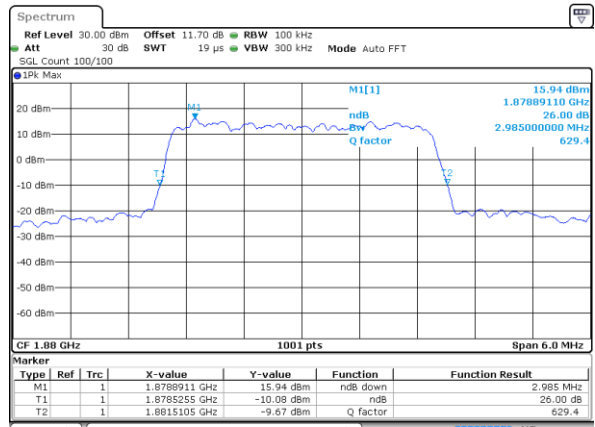
Date: 31 JAN 2018 23:28:38

## Middle Channel / 1.4MHz / 64QAM



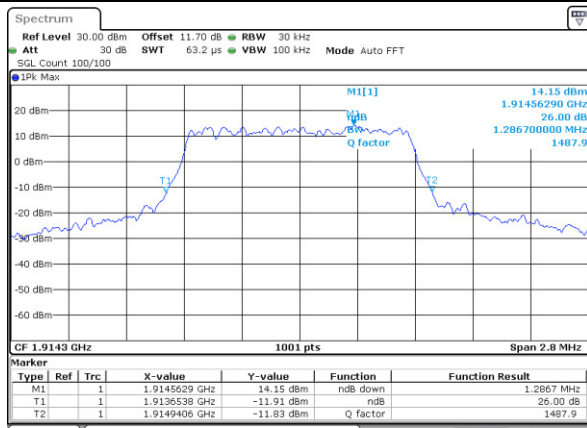
Date: 31 JAN 2018 22:53:35

## Middle Channel / 3MHz / 64QAM



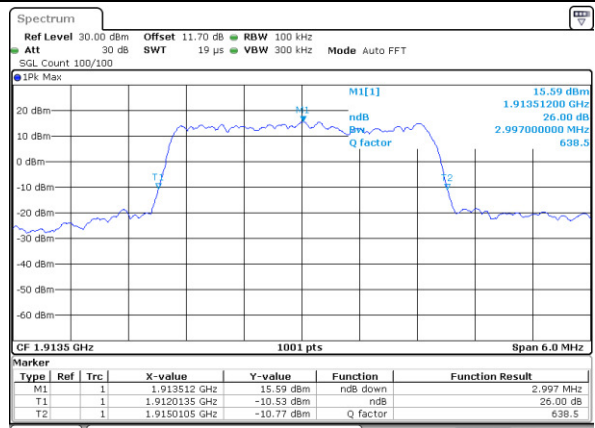
Date: 31 JAN 2018 23:32:10

## Highest Channel / 1.4MHz / 64QAM



Date: 31 JAN 2018 22:54:49

## Highest Channel / 3MHz / 64QAM

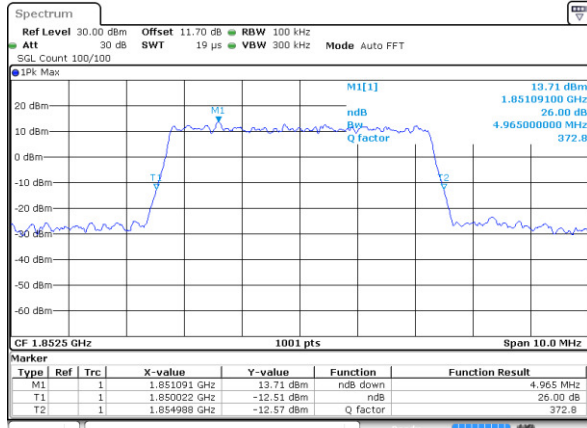


Date: 31 JAN 2018 23:33:24



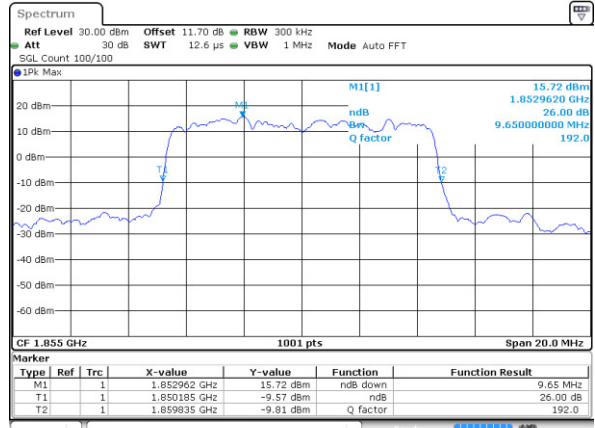
## LTE Band 25

## Lowest Channel / 5MHz / 64QAM



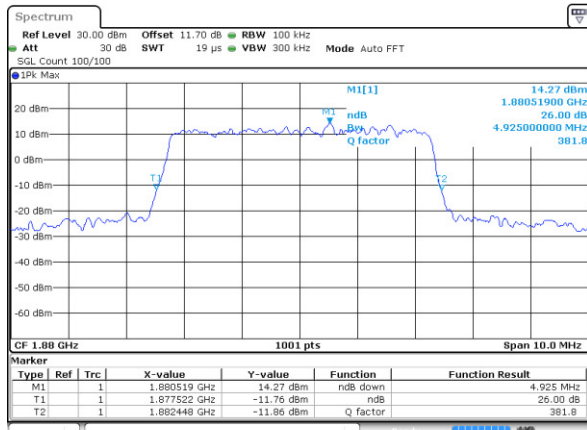
Date: 31 JAN 2018 23:36:56

## Lowest Channel / 10MHz / 64QAM



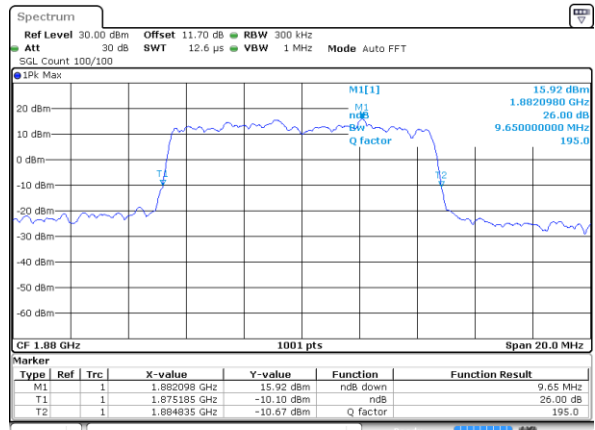
Date: 31 JAN 2018 23:45:13

## Middle Channel / 5MHz / 64QAM



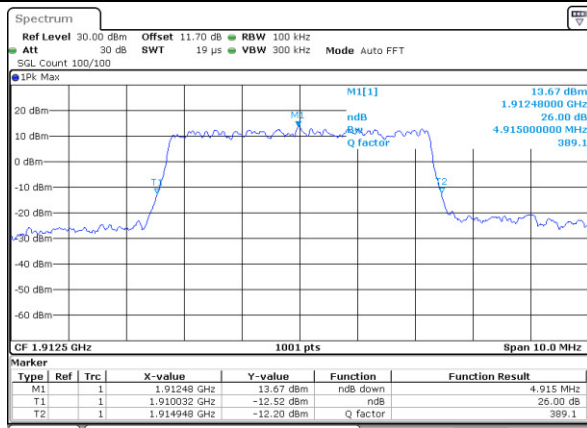
Date: 31 JAN 2018 23:40:27

## Middle Channel / 10MHz / 64QAM



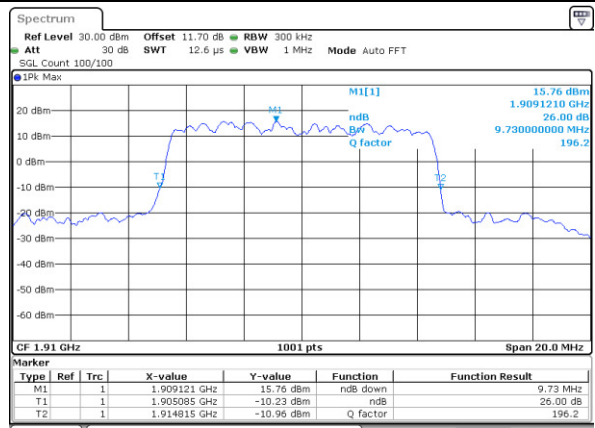
Date: 31 JAN 2018 22:28:43

## Highest Channel / 5MHz / 64QAM



Date: 31 JAN 2018 23:41:41

## Highest Channel / 10MHz / 64QAM

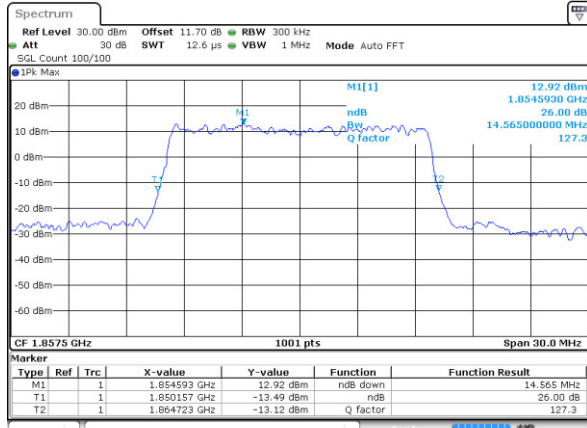


Date: 31 JAN 2018 22:29:57

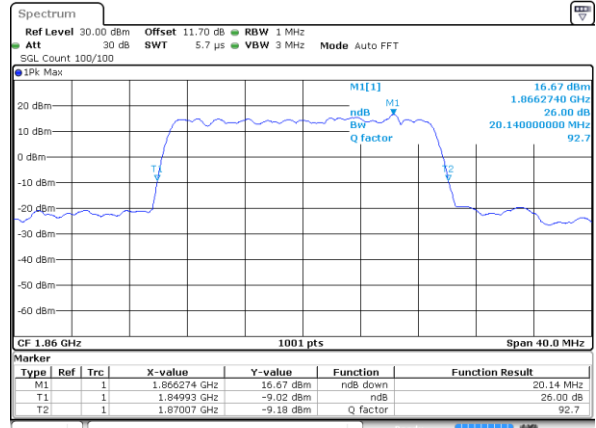


## LTE Band 25

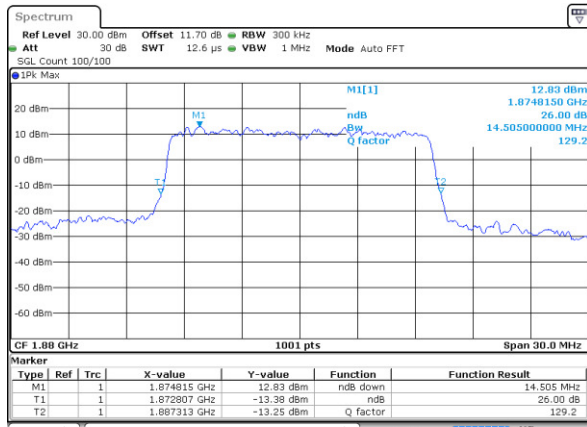
## Lowest Channel / 15MHz / 64QAM



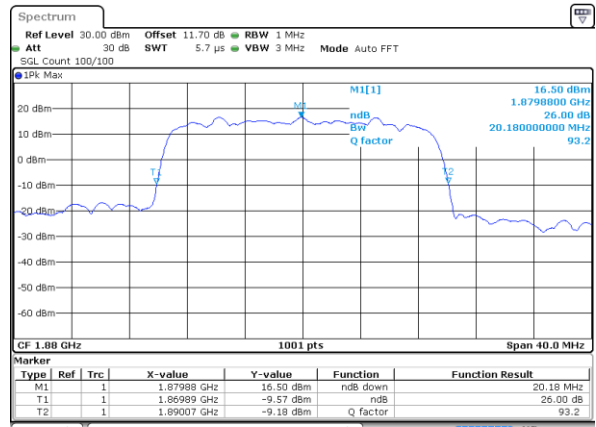
## Lowest Channel / 20MHz / 64QAM



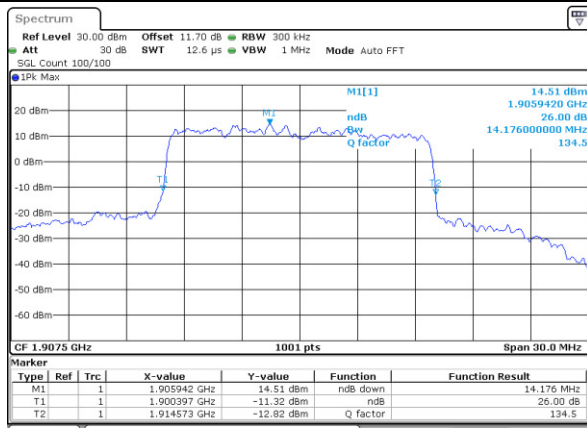
## Middle Channel / 15MHz / 64QAM



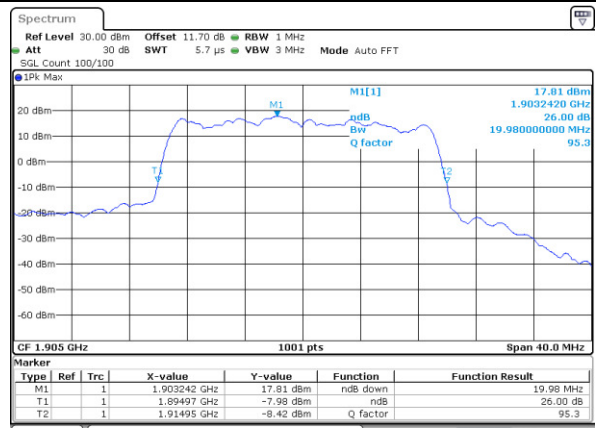
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM



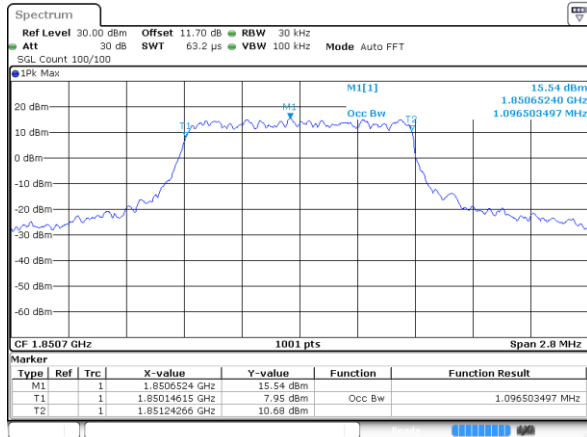
**Occupied Bandwidth**

| Mode       | LTE Band 25 : 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  | 1.1                       | 1.1   | 2.72  | 2.72  | 4.48  | 4.48  | 9.03  | 9.01  | 13.43 | 13.46 | 18.58 | 18.74 |
| Middle CH  | 1.09                      | 1.1   | 2.71  | 2.72  | 4.49  | 4.5   | 8.99  | 9.01  | 13.43 | 13.43 | 18.26 | 18.42 |
| Highest CH | 1.09                      | 1.09  | 2.72  | 2.74  | 4.51  | 4.48  | 9.03  | 9.01  | 13.46 | 13.43 | 18.3  | 18.26 |
| Mode       | LTE Band 25 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.10                      | -     | 2.73  | -     | 4.49  | -     | 9.03  | -     | 13.52 | -     | 18.46 | -     |
| Middle CH  | 1.10                      | -     | 2.73  | -     | 4.50  | -     | 9.05  | -     | 13.43 | -     | 18.38 | -     |
| Highest CH | 1.09                      | -     | 2.73  | -     | 4.49  | -     | 9.03  | -     | 13.40 | -     | 18.14 | -     |

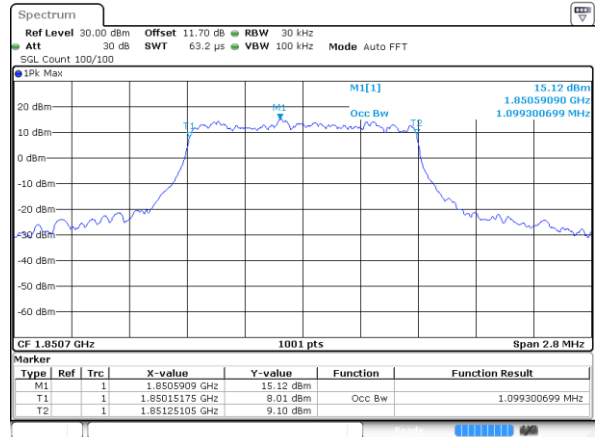


## LTE Band 25

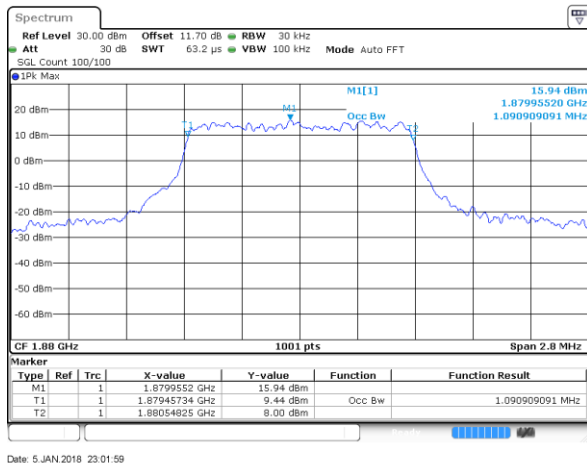
## Lowest Channel / 1.4MHz / QPSK



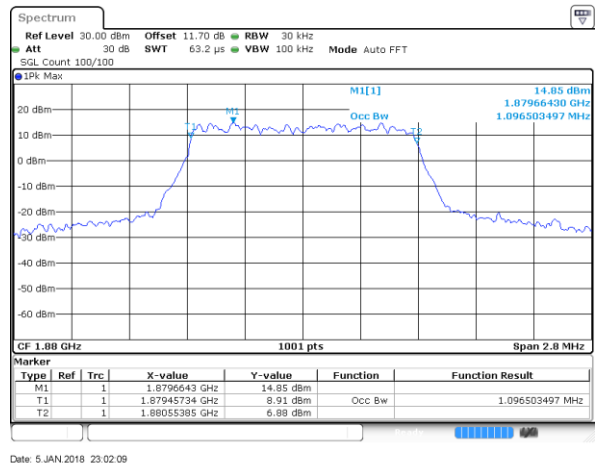
## Lowest Channel / 1.4MHz / 16QAM



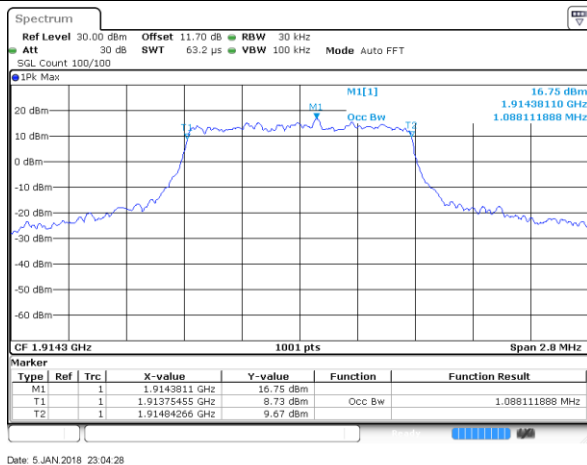
## Middle Channel / 1.4MHz / QPSK



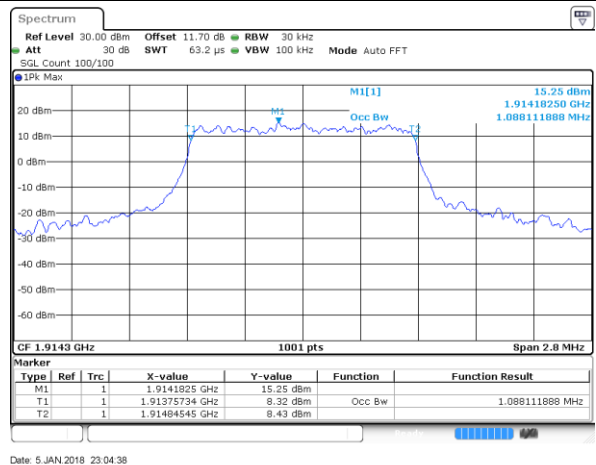
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



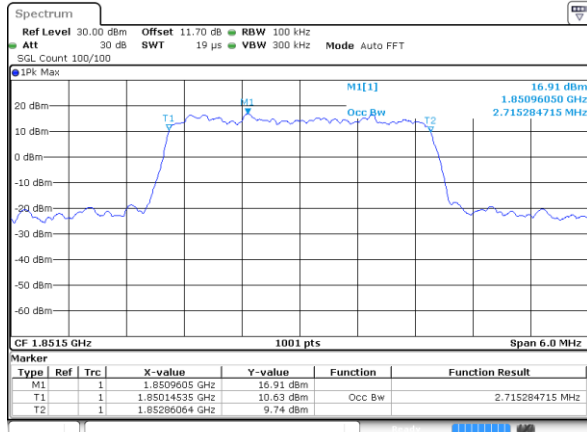
## Highest Channel / 1.4MHz / 16QAM





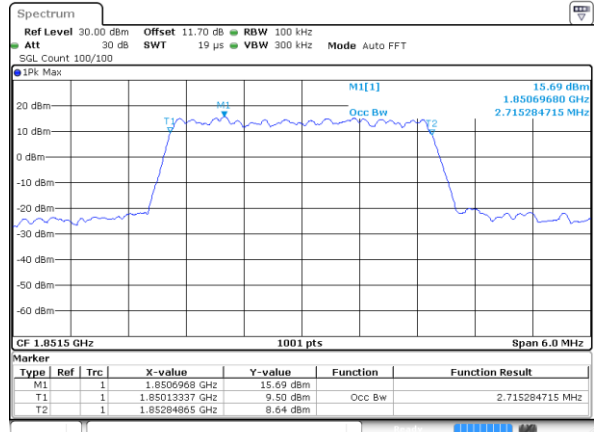
## LTE Band 25

## Lowest Channel / 3MHz / QPSK



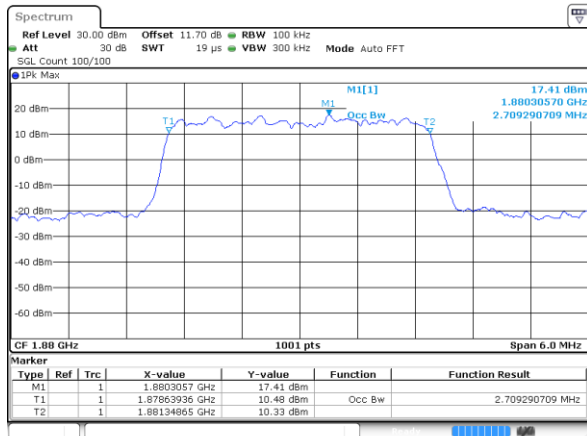
Date: 5 JAN 2018 21:08:10

## Lowest Channel / 3MHz / 16QAM



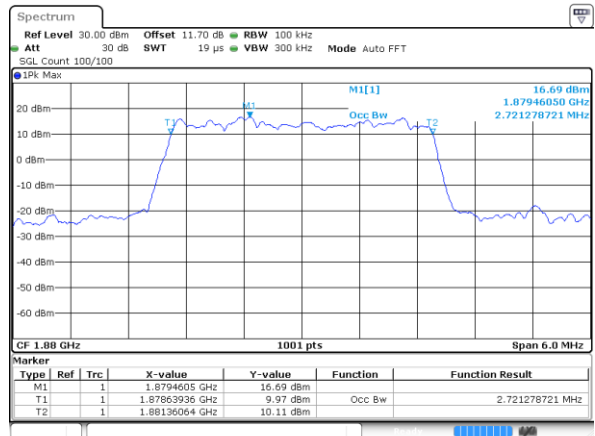
Date: 5 JAN 2018 21:08:20

## Middle Channel / 3MHz / QPSK



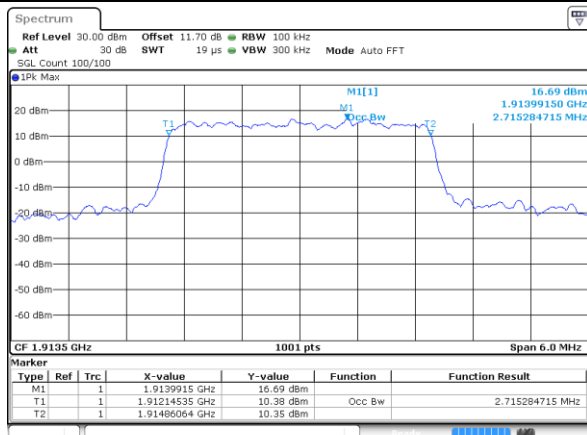
Date: 5 JAN 2018 21:15:13

## Middle Channel / 3MHz / 16QAM



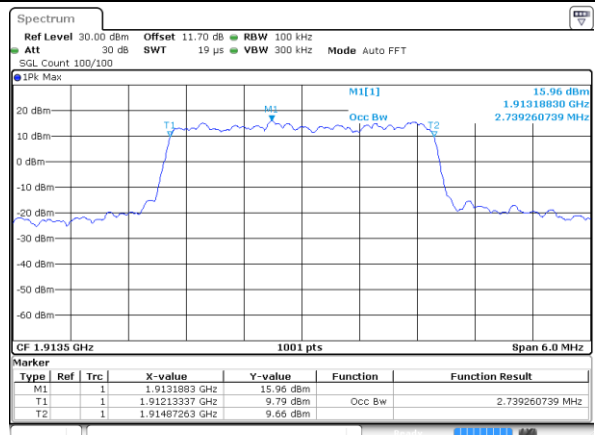
Date: 5 JAN 2018 21:15:23

## Highest Channel / 3MHz / QPSK



Date: 5 JAN 2018 21:17:41

## Highest Channel / 3MHz / 16QAM

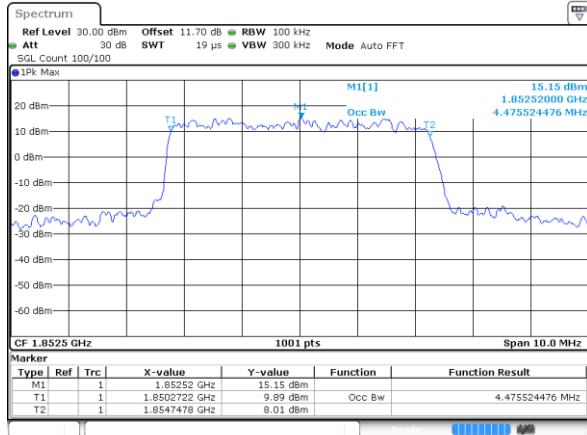


Date: 5 JAN 2018 21:17:51



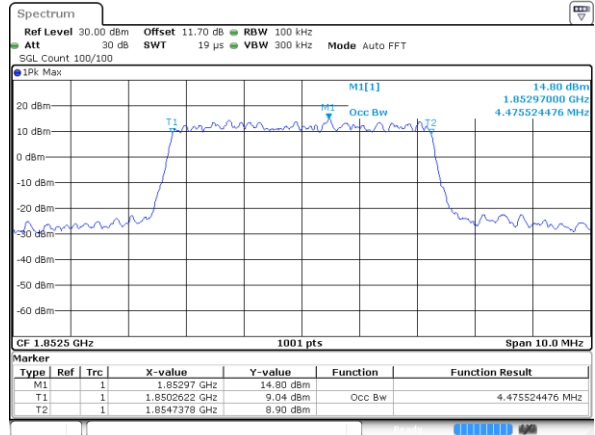
## LTE Band 25

## Lowest Channel / 5MHz / QPSK



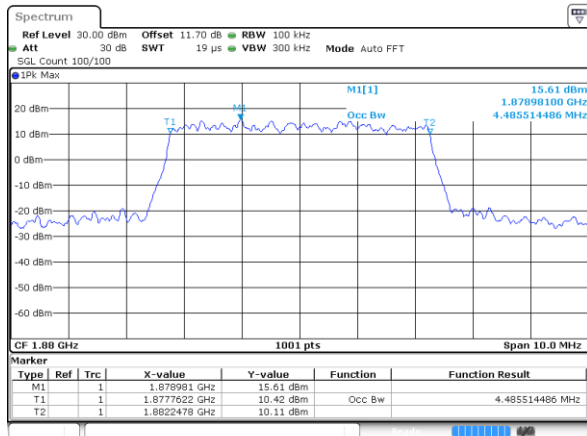
Date: 5 JAN 2018 21:24:44

## Lowest Channel / 5MHz / 16QAM



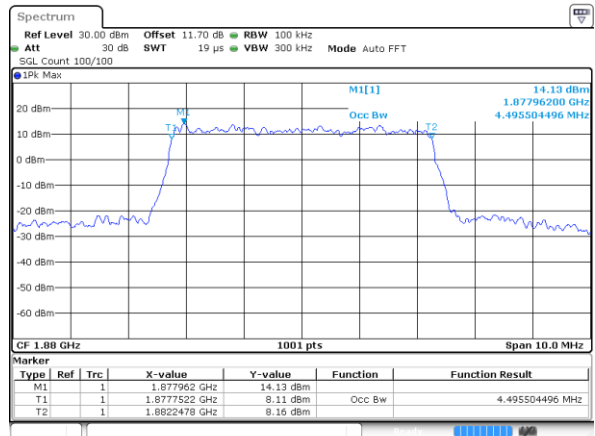
Date: 5 JAN 2018 21:24:54

## Middle Channel / 5MHz / QPSK



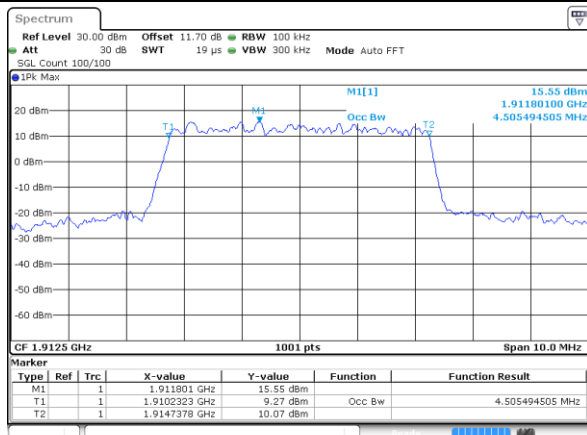
Date: 5 JAN 2018 21:31:47

## Middle Channel / 5MHz / 16QAM



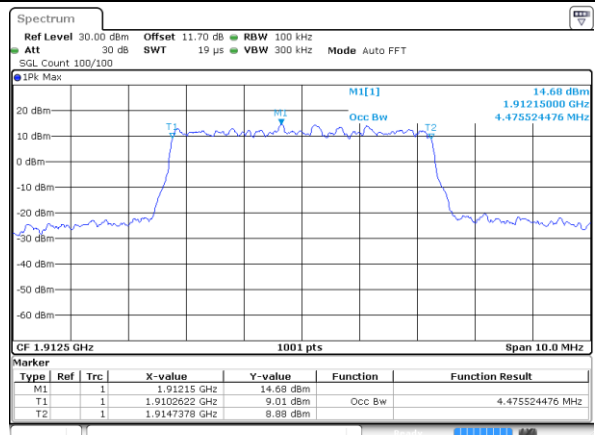
Date: 5 JAN 2018 21:31:57

## Highest Channel / 5MHz / QPSK



Date: 5 JAN 2018 21:34:16

## Highest Channel / 5MHz / 16QAM

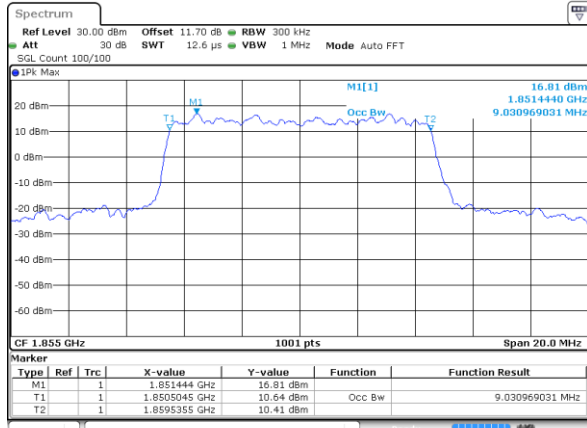


Date: 5 JAN 2018 21:34:26



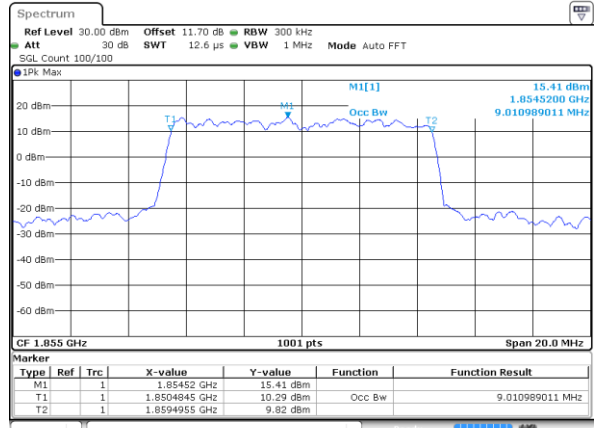
## LTE Band 25

## Lowest Channel / 10MHz / QPSK



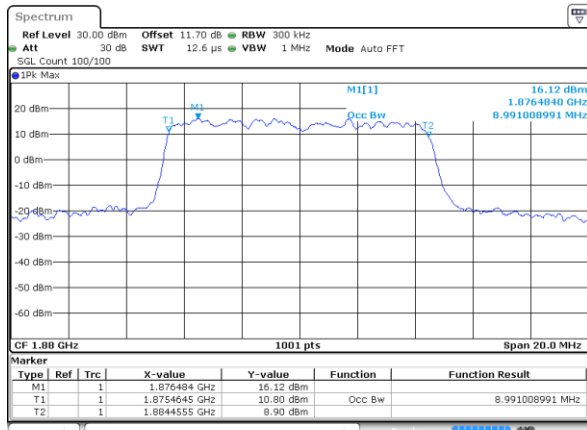
Date: 5 JAN 2018 21:41:19

## Lowest Channel / 10MHz / 16QAM



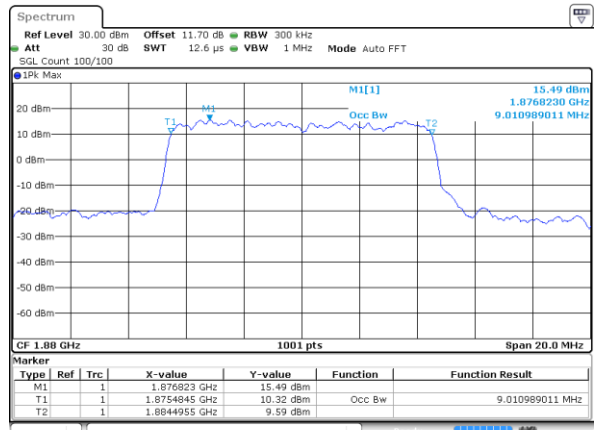
Date: 5 JAN 2018 21:41:29

## Middle Channel / 10MHz / QPSK



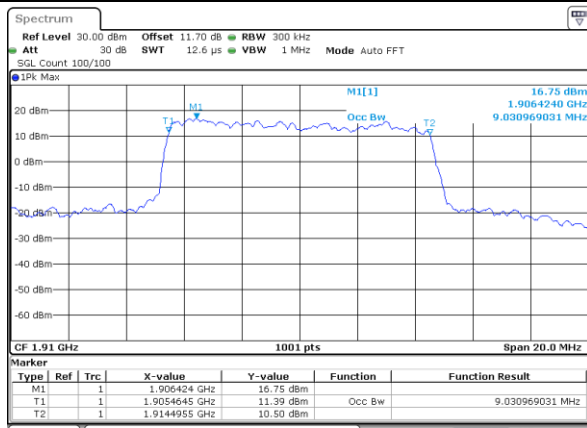
Date: 5 JAN 2018 21:48:22

## Middle Channel / 10MHz / 16QAM



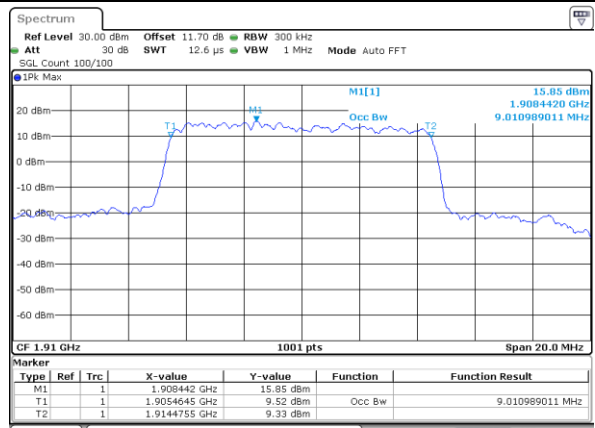
Date: 5 JAN 2018 21:48:32

## Highest Channel / 10MHz / QPSK



Date: 5 JAN 2018 21:50:50

## Highest Channel / 10MHz / 16QAM

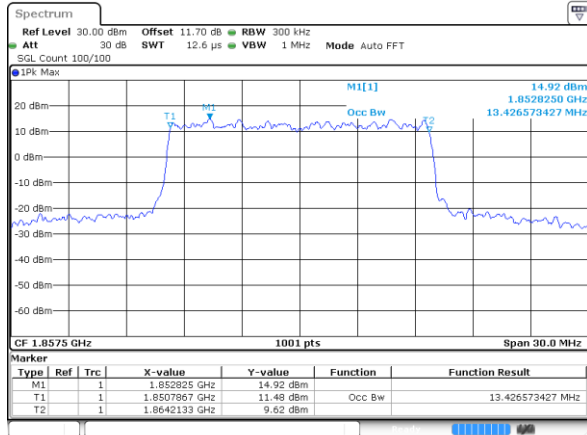


Date: 5 JAN 2018 21:51:00



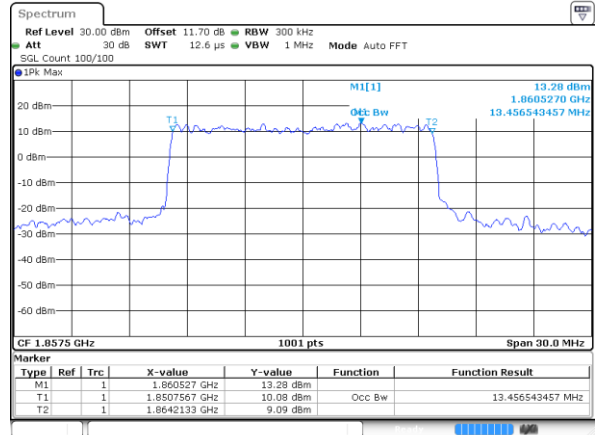
## LTE Band 25

## Lowest Channel / 15MHz / QPSK



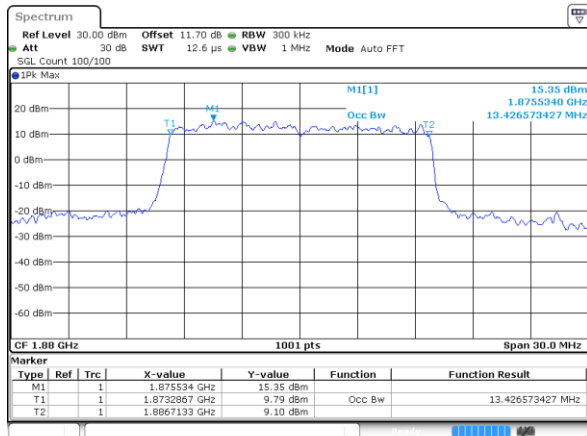
Date: 5 JAN 2018 21:57:53

## Lowest Channel / 15MHz / 16QAM



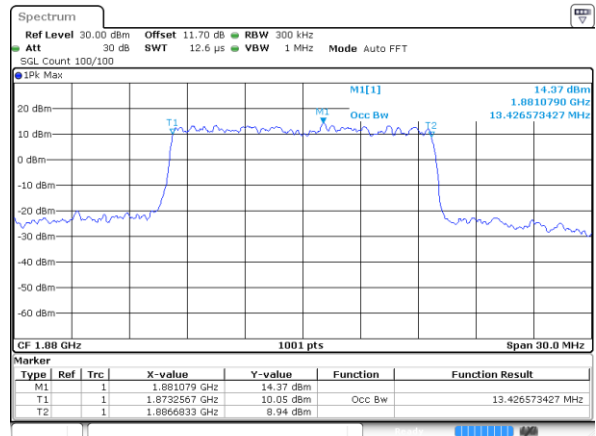
Date: 5 JAN 2018 21:58:04

## Middle Channel / 15MHz / QPSK



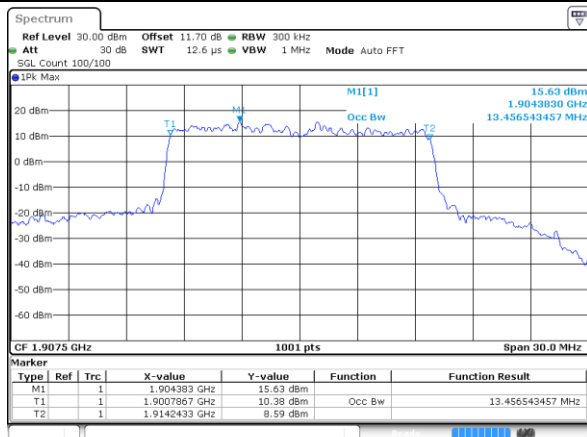
Date: 5 JAN 2018 22:04:57

## Middle Channel / 15MHz / 16QAM



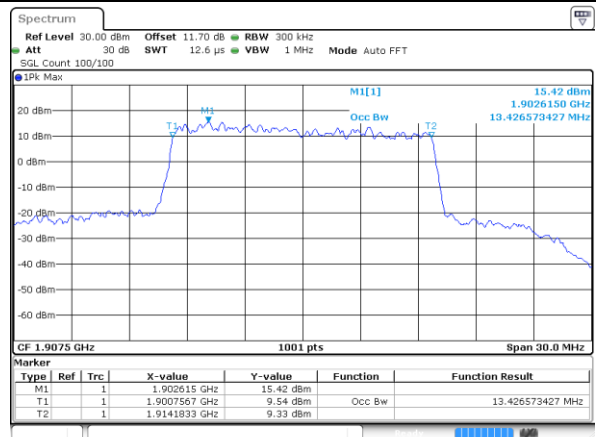
Date: 5 JAN 2018 22:05:07

## Highest Channel / 15MHz / QPSK



Date: 5 JAN 2018 22:07:25

## Highest Channel / 15MHz / 16QAM

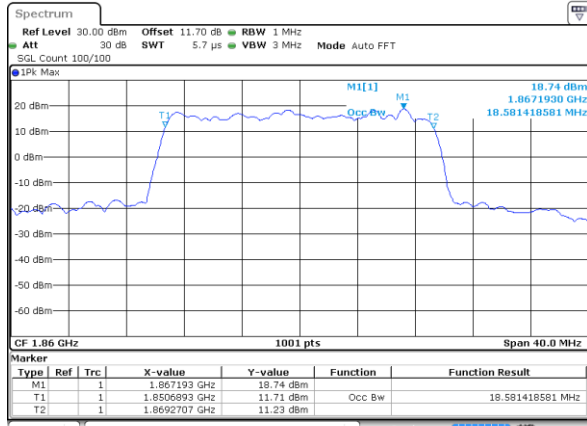


Date: 5 JAN 2018 22:07:35



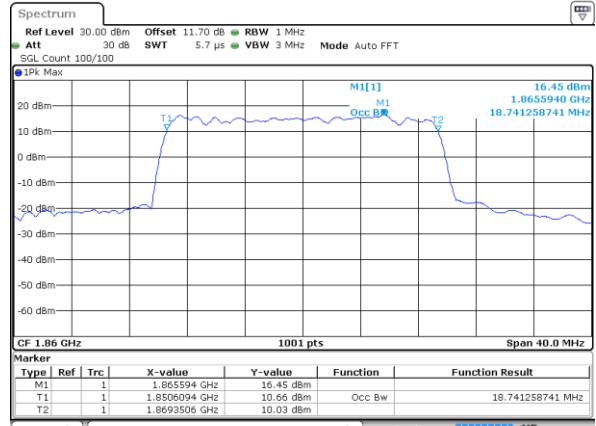
## LTE Band 25

## Lowest Channel / 20MHz / QPSK



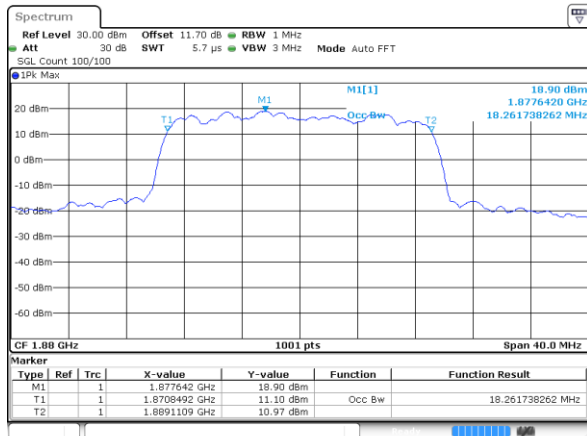
Date: 5 JAN 2018 22:14:28

## Lowest Channel / 20MHz / 16QAM



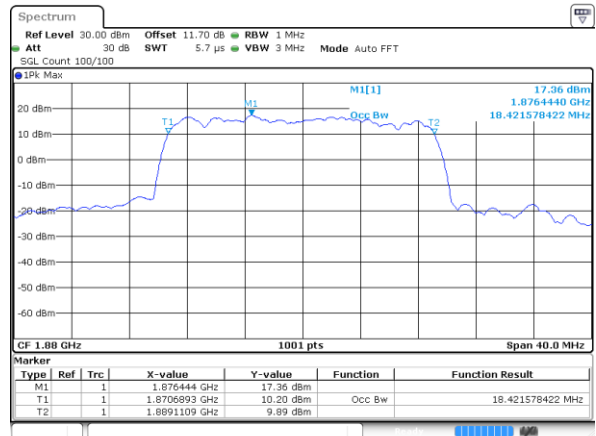
Date: 5 JAN 2018 22:14:38

## Middle Channel / 20MHz / QPSK



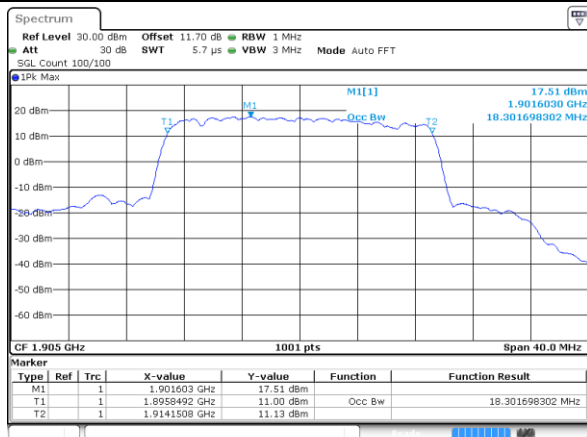
Date: 5 JAN 2018 22:21:31

## Middle Channel / 20MHz / 16QAM



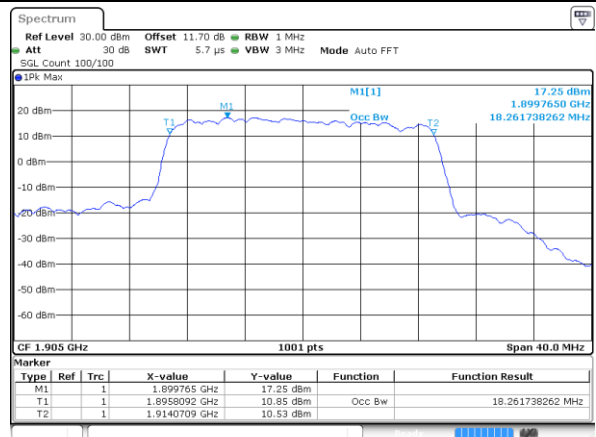
Date: 5 JAN 2018 22:21:41

## Highest Channel / 20MHz / QPSK



Date: 5 JAN 2018 22:29:37

## Highest Channel / 20MHz / 16QAM

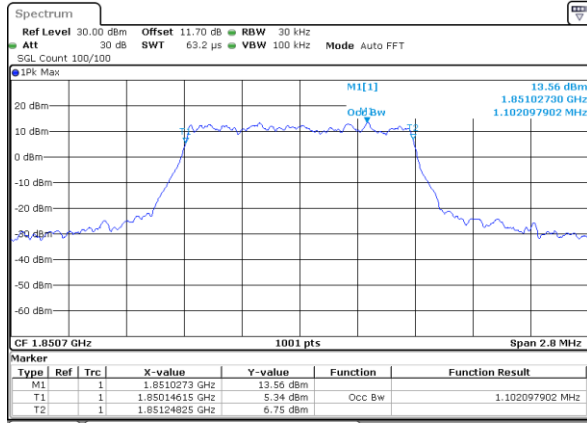


Date: 5 JAN 2018 22:29:48

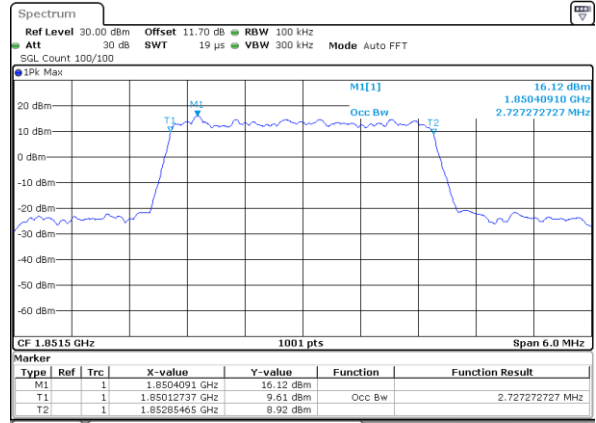


## LTE Band 25

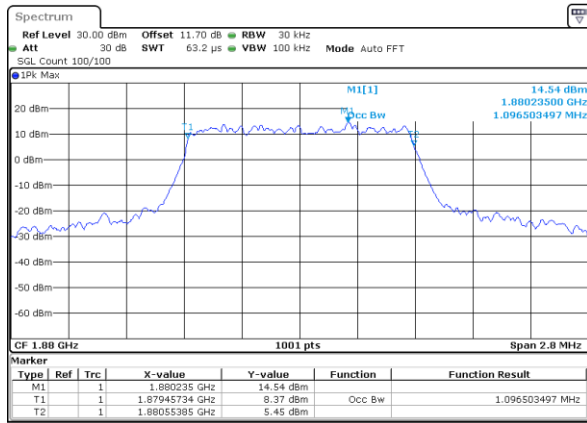
## Lowest Channel / 1.4MHz / 64QAM



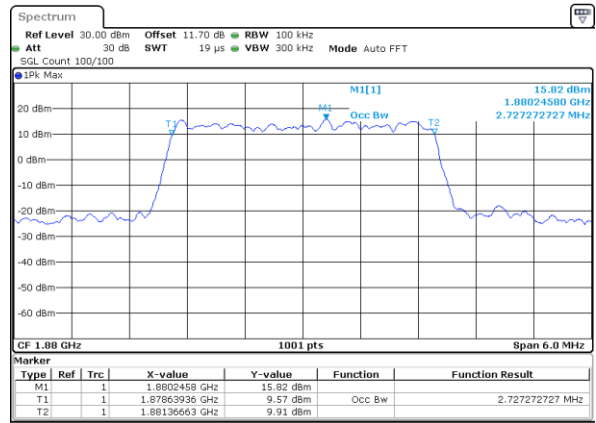
## Lowest Channel / 3MHz / 64QAM



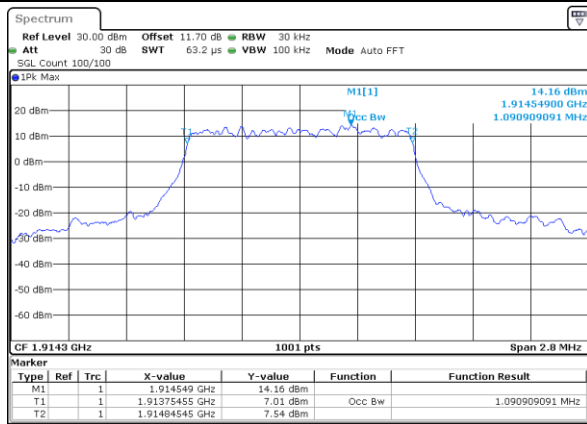
## Middle Channel / 1.4MHz / 64QAM



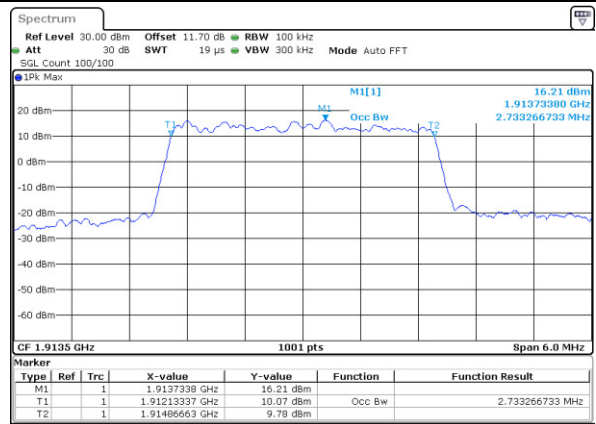
## Middle Channel / 3MHz / 64QAM



## Highest Channel / 1.4MHz / 64QAM



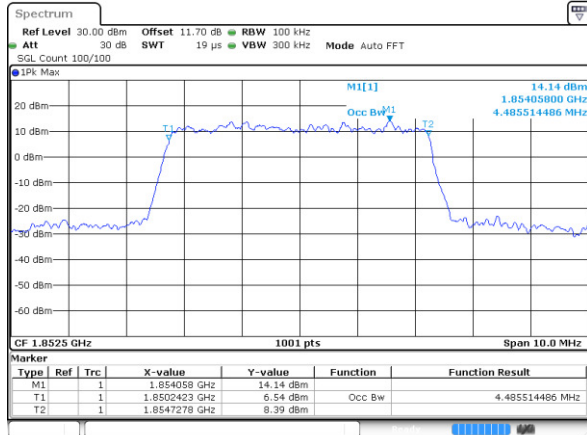
## Highest Channel / 3MHz / 64QAM





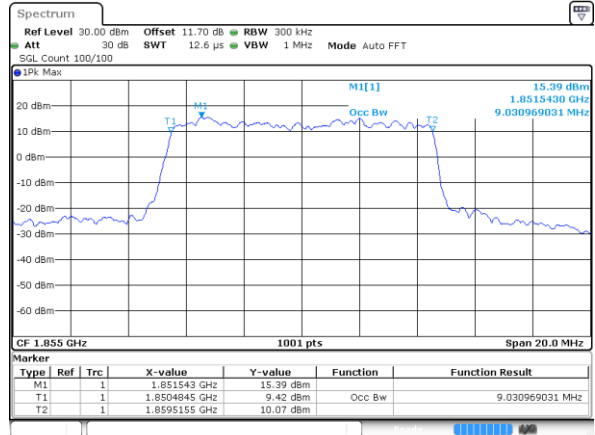
## LTE Band 25

## Lowest Channel / 5MHz / 64QAM



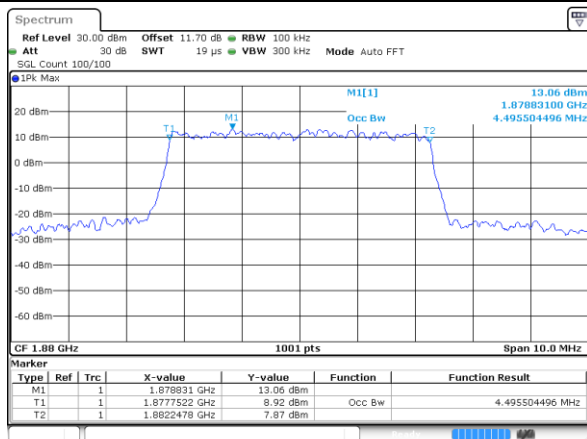
Date: 31 JAN 2018 23:36:46

## Lowest Channel / 10MHz / 64QAM



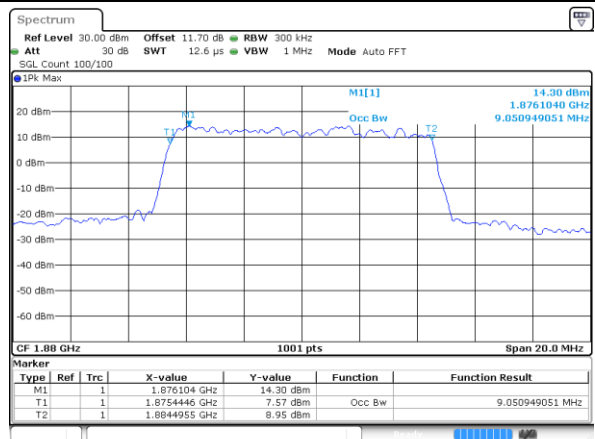
Date: 31 JAN 2018 23:45:03

## Middle Channel / 5MHz / 64QAM



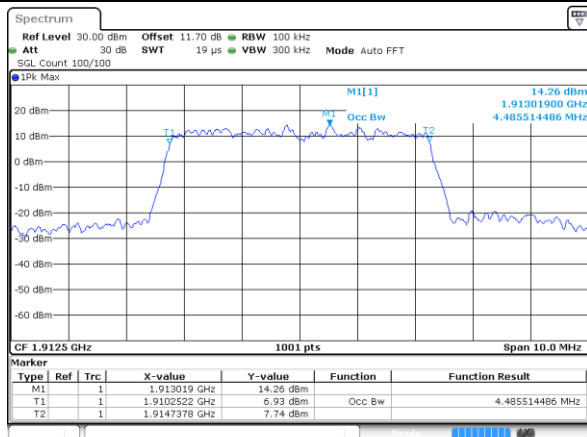
Date: 31 JAN 2018 23:40:17

## Middle Channel / 10MHz / 64QAM



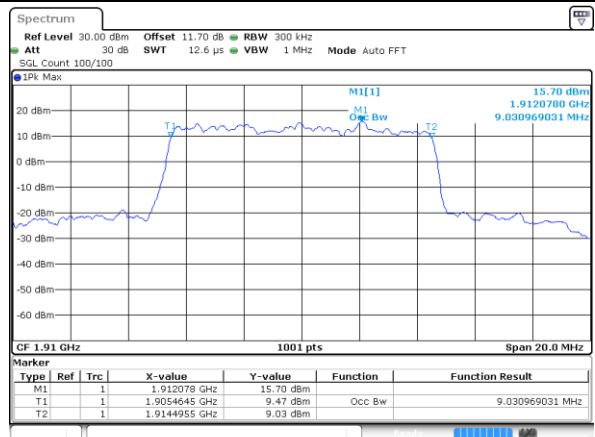
Date: 31 JAN 2018 22:28:33

## Highest Channel / 5MHz / 64QAM



Date: 31 JAN 2018 23:41:31

## Highest Channel / 10MHz / 64QAM



Date: 31 JAN 2018 22:29:47