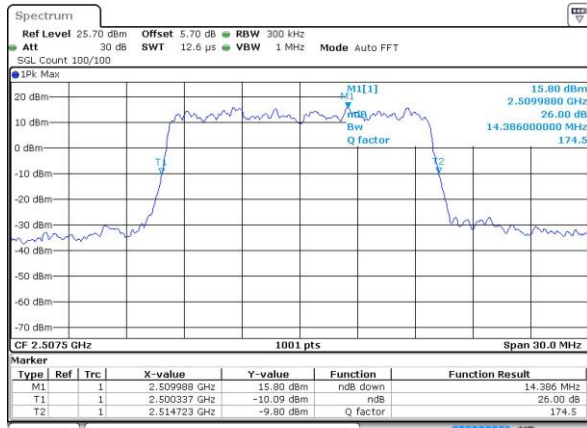


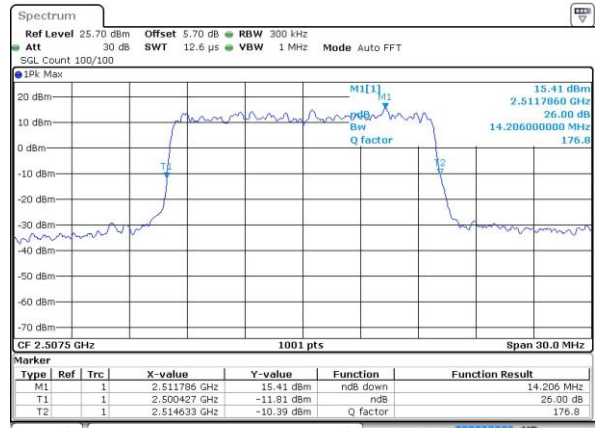


## LTE Band 7

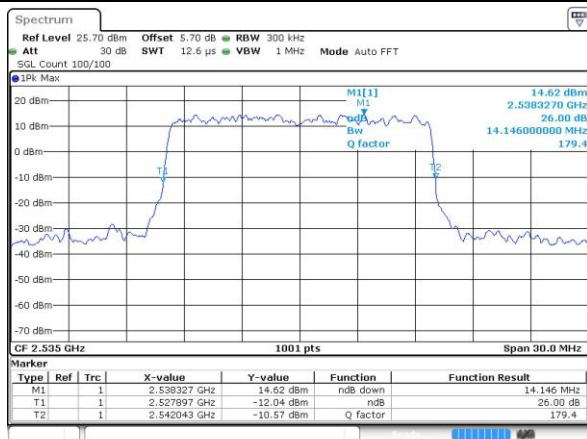
## Lowest Channel / 15MHz / QPSK



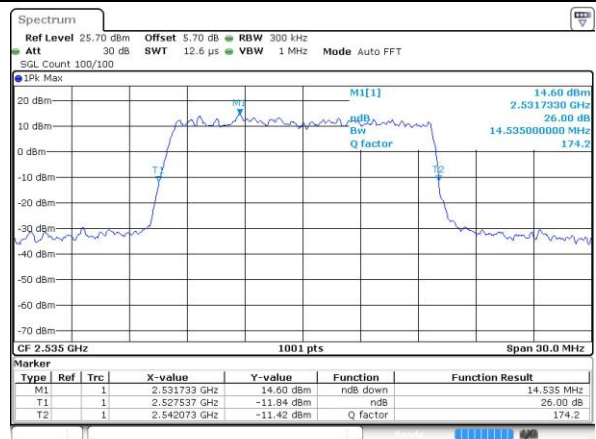
## Lowest Channel / 15MHz / 16QAM



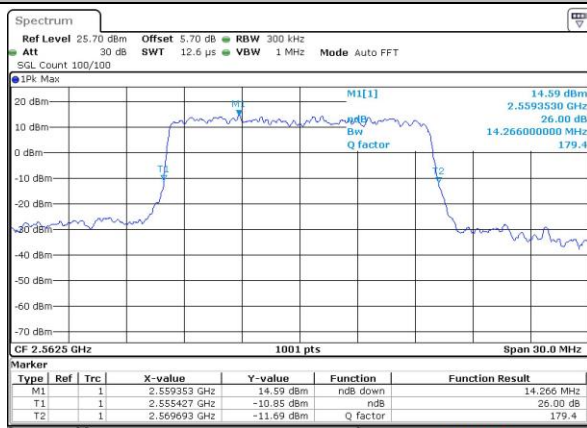
## Middle Channel / 15MHz / QPSK



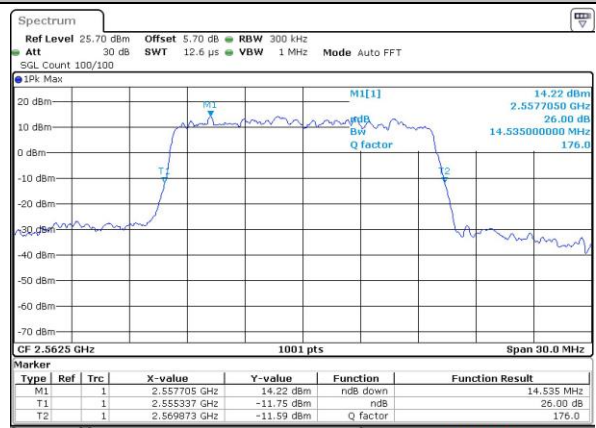
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



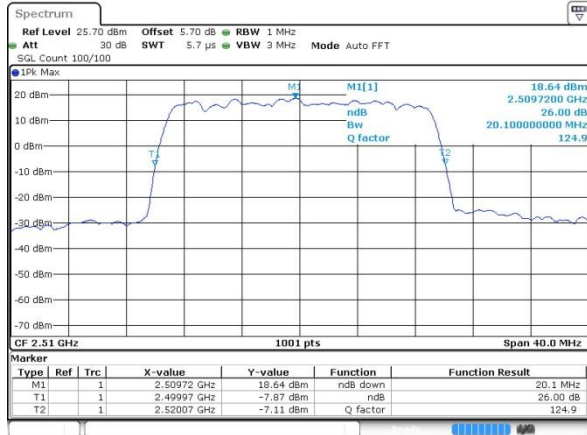
## Highest Channel / 15MHz / 16QAM



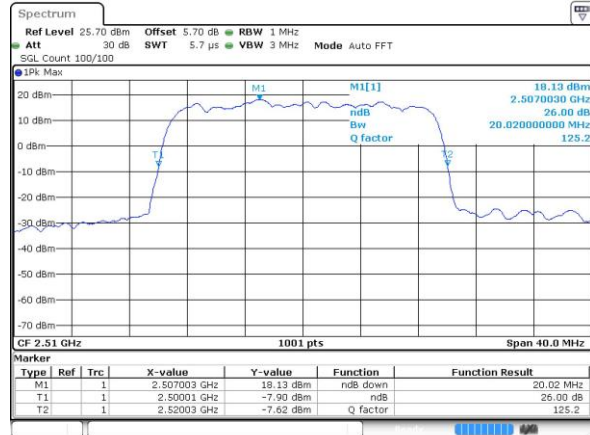


## LTE Band 7

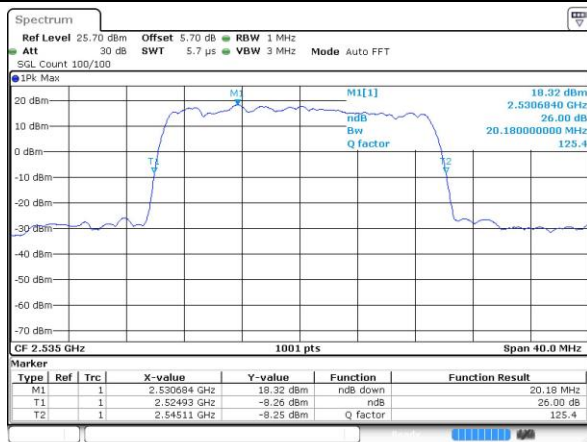
## Lowest Channel / 20MHz / QPSK



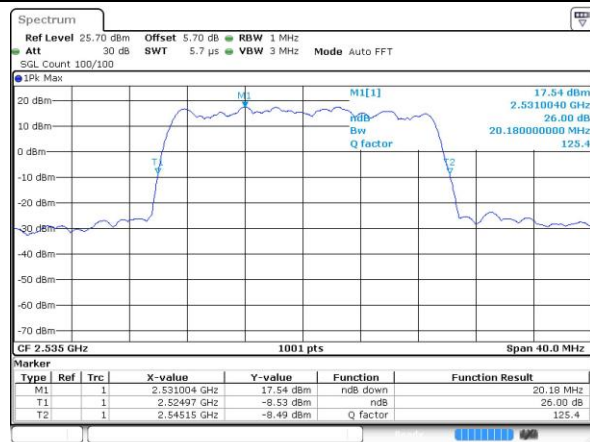
## Lowest Channel / 20MHz / 16QAM



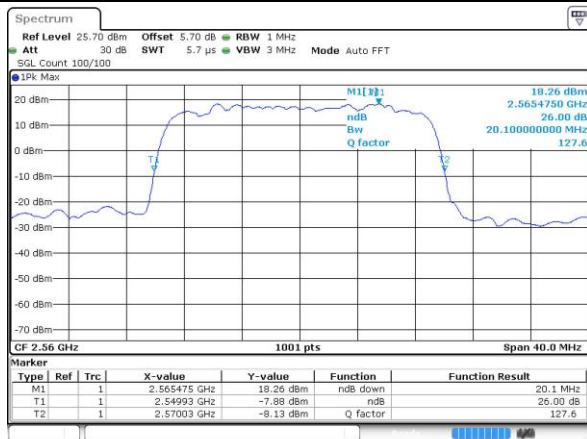
## Middle Channel / 20MHz / QPSK



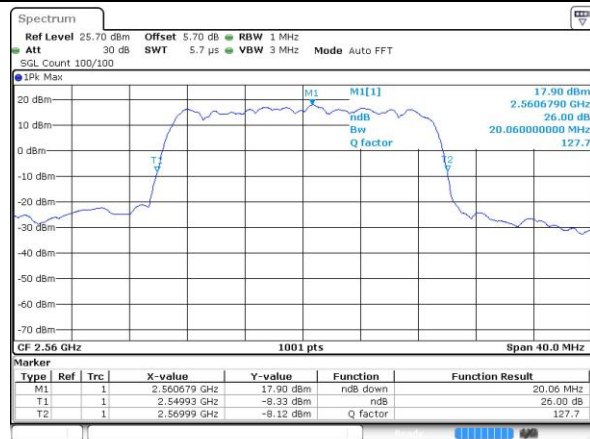
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



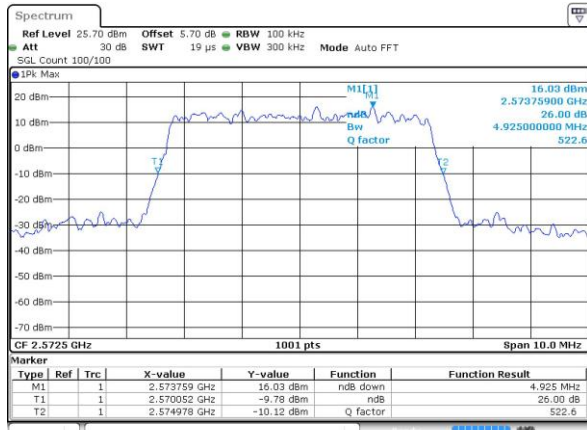
## Highest Channel / 20MHz / 16QAM





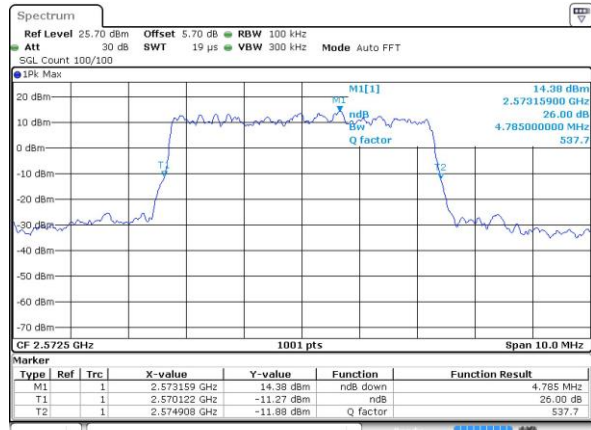
## LTE Band 38

## Lowest Channel / 5MHz / QPSK



Date: 16 MAR 2019 16:12:38

## Lowest Channel / 5MHz / 16QAM



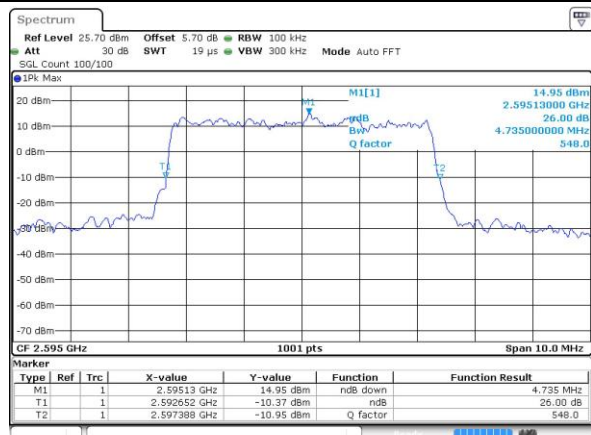
Date: 16 MAR 2019 16:13:07

## Middle Channel / 5MHz / QPSK



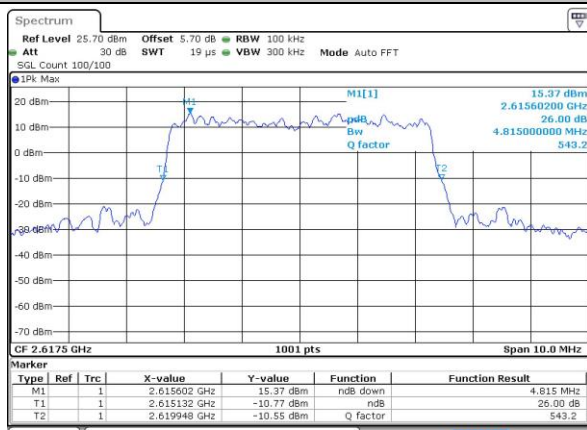
Date: 16 MAR 2019 16:14:10

## Middle Channel / 5MHz / 16QAM



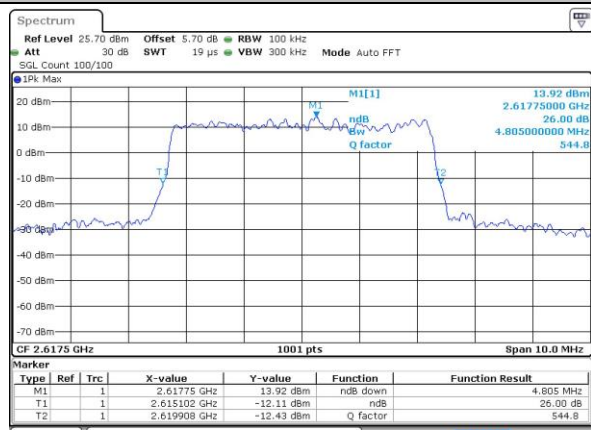
Date: 16 MAR 2019 16:14:36

## Highest Channel / 5MHz / QPSK



Date: 16 MAR 2019 16:15:42

## Highest Channel / 5MHz / 16QAM

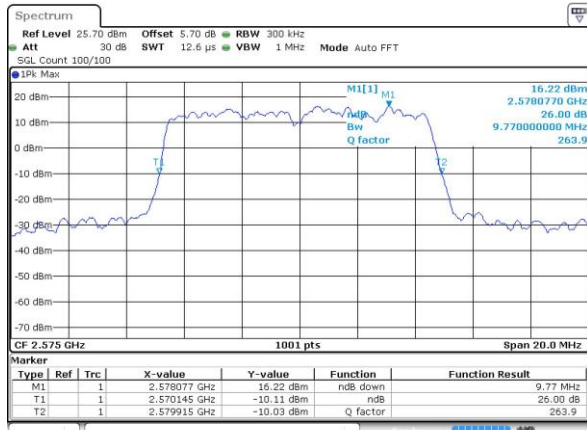


Date: 16 MAR 2019 16:16:12



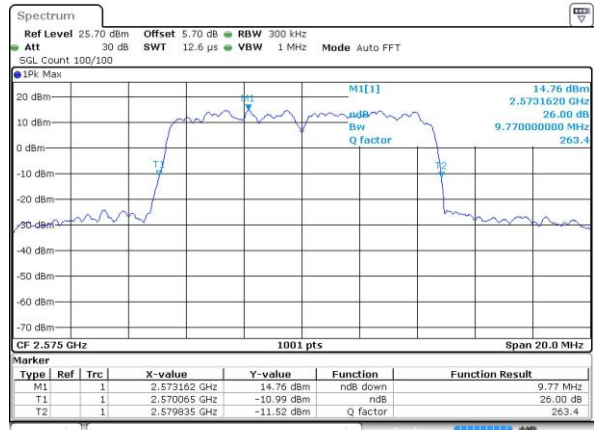
## LTE Band 38

## Lowest Channel / 10MHz / QPSK



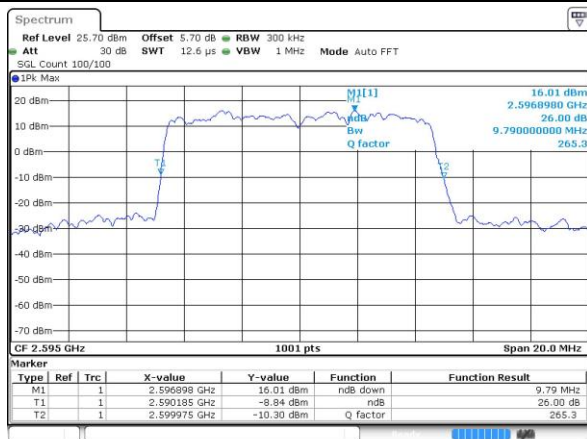
Date: 16 MAR 2019 16:40:43

## Lowest Channel / 10MHz / 16QAM



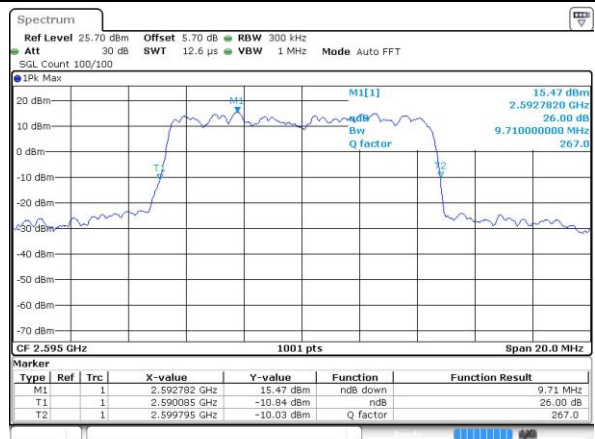
Date: 16 MAR 2019 16:41:33

## Middle Channel / 10MHz / QPSK



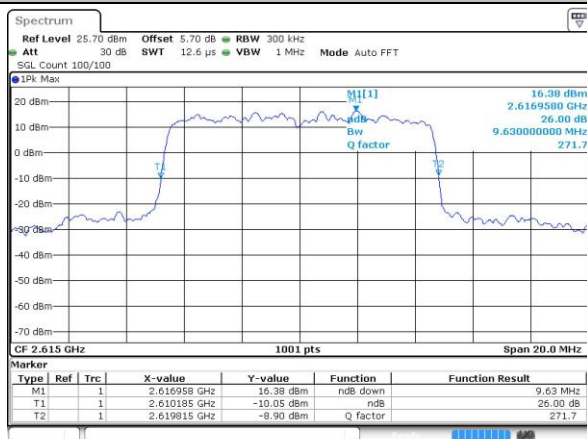
Date: 16 MAR 2019 16:42:48

## Middle Channel / 10MHz / 16QAM



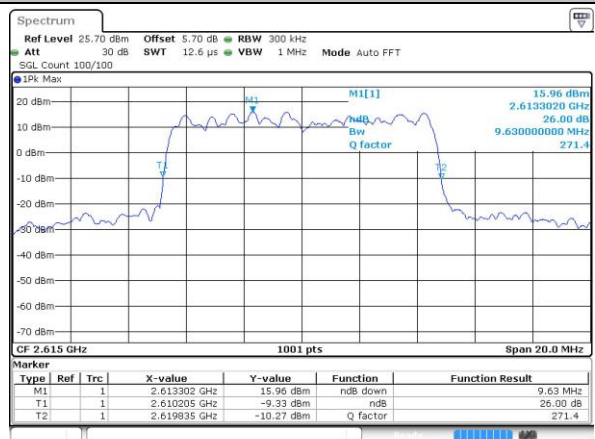
Date: 16 MAR 2019 16:43:14

## Highest Channel / 10MHz / QPSK



Date: 16 MAR 2019 16:44:14

## Highest Channel / 10MHz / 16QAM

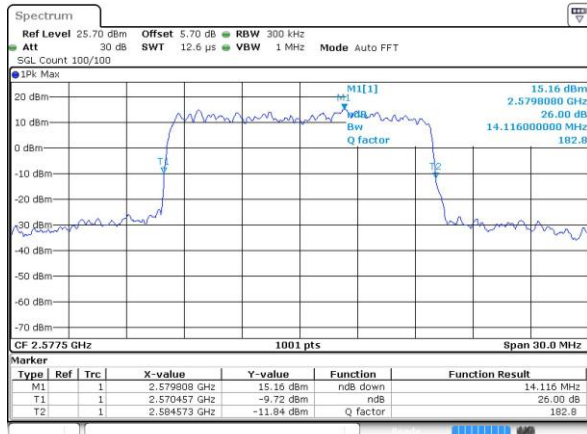


Date: 16 MAR 2019 16:44:47

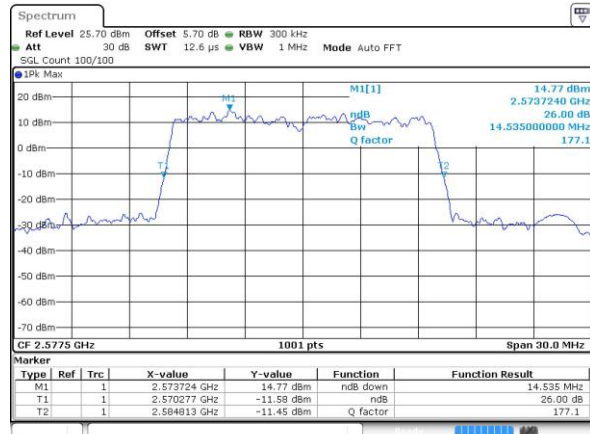


## LTE Band 38

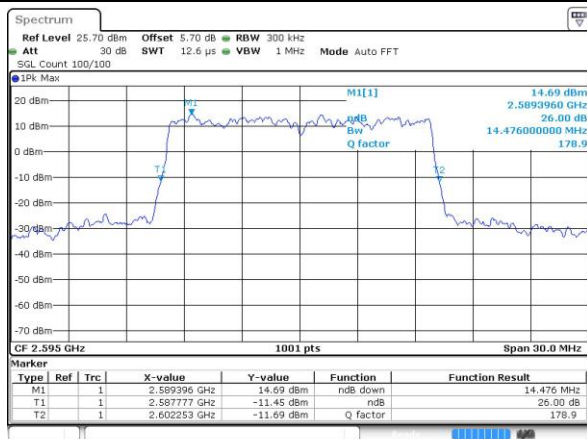
## Lowest Channel / 15MHz / QPSK



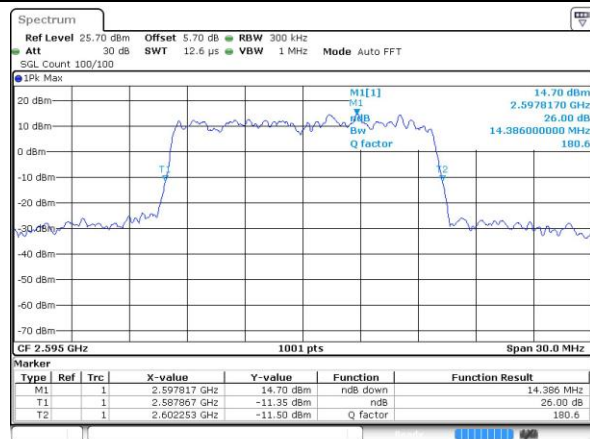
## Lowest Channel / 15MHz / 16QAM



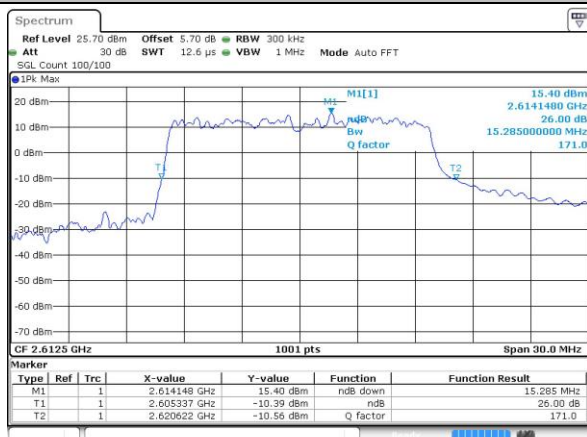
## Middle Channel / 15MHz / QPSK



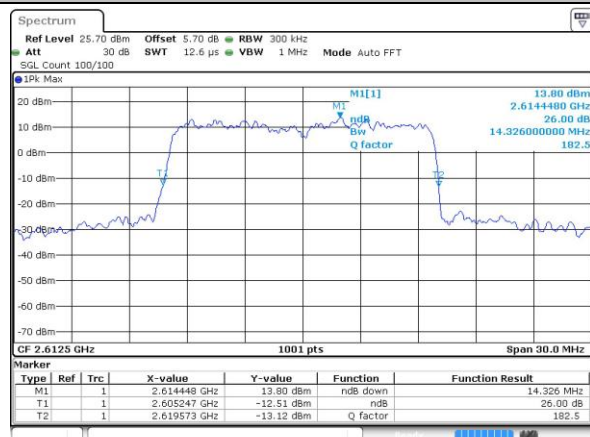
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



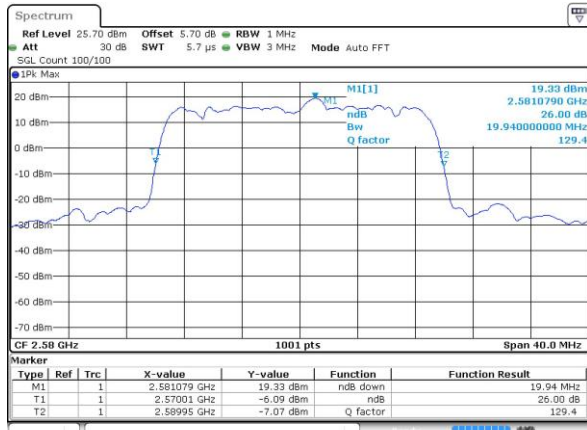
## Highest Channel / 15MHz / 16QAM



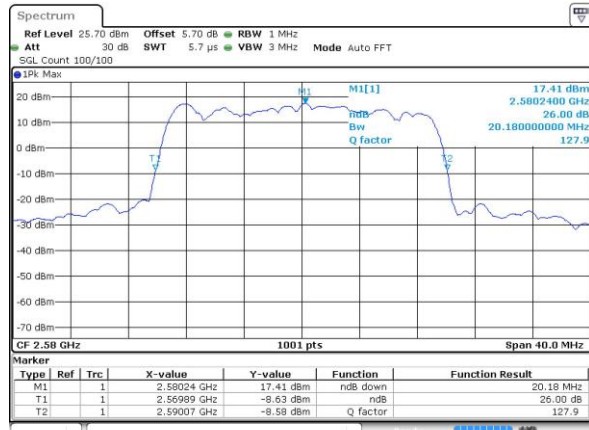


## LTE Band 38

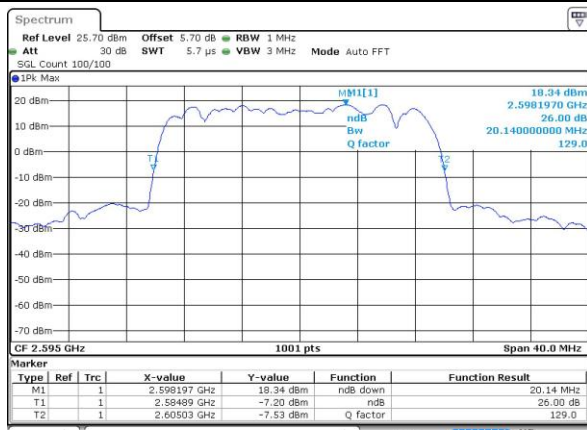
## Lowest Channel / 20MHz / QPSK



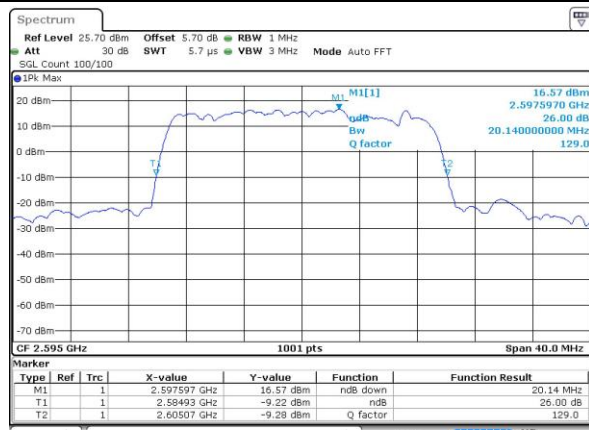
## Lowest Channel / 20MHz / 16QAM



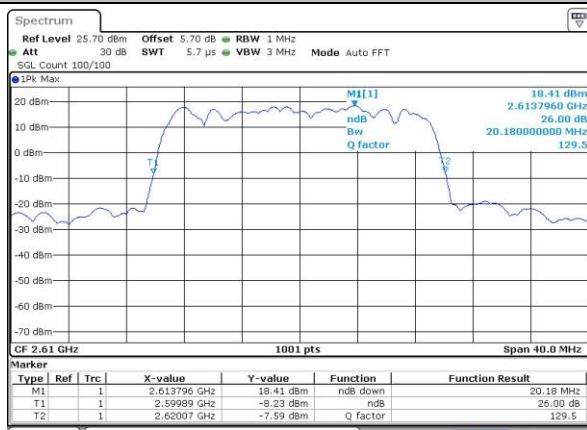
## Middle Channel / 20MHz / QPSK



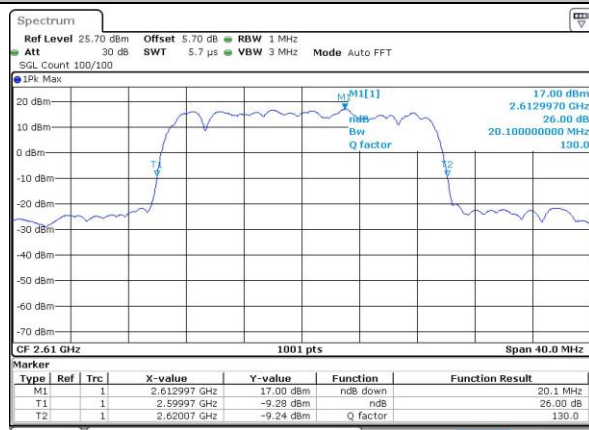
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



## Highest Channel / 20MHz / 16QAM



**Occupied Bandwidth**

| Mode       | LTE Band 2 : 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  | 1.09                     | 1.09  | 2.71 | 2.70  | 4.49 | 4.51  | 9.01  | 9.01  | 13.37 | 13.37 | 18.46 | 18.22 |
| Middle CH  | 1.10                     | 1.10  | 2.71 | 2.70  | 4.48 | 4.50  | 8.89  | 8.97  | 13.37 | 13.43 | 18.18 | 18.38 |
| Highest CH | 1.09                     | 1.09  | 2.73 | 2.72  | 4.47 | 4.50  | 8.99  | 9.01  | 13.46 | 13.43 | 18.26 | 18.30 |

| Mode       | LTE Band 4 : 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  | 1.09                     | 1.09  | 2.72 | 2.73  | 4.49 | 4.49  | 9.03  | 8.95  | 13.43 | 13.40 | 18.38 | 18.30 |
| Middle CH  | 1.09                     | 1.09  | 2.72 | 2.73  | 4.49 | 4.49  | 8.97  | 9.07  | 13.40 | 13.37 | 18.22 | 18.42 |
| Highest CH | 1.10                     | 1.09  | 2.71 | 2.72  | 4.51 | 4.50  | 9.01  | 8.97  | 13.34 | 13.46 | 18.06 | 18.26 |

| Mode       | LTE Band 5 : 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  | 1.10                     | 1.09  | 2.72 | 2.71  | 4.48 | 4.49  | 9.03  | 8.97  |       |       |       |       |
| Middle CH  | 1.09                     | 1.10  | 2.73 | 2.72  | 4.50 | 4.50  | 9.05  | 8.99  |       |       |       |       |
| Highest CH | 1.09                     | 1.10  | 2.73 | 2.71  | 4.51 | 4.49  | 8.99  | 8.97  |       |       |       |       |

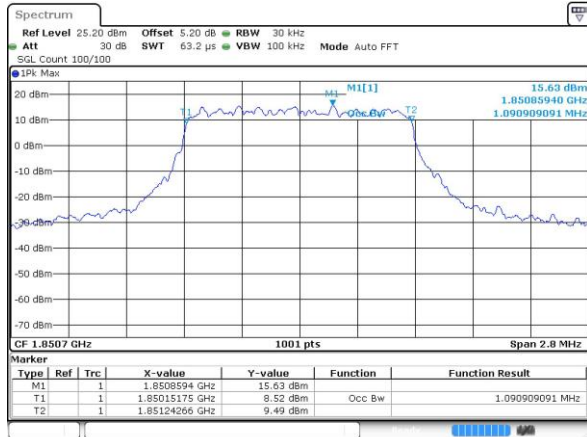
| Mode       | LTE Band 7 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  |                          |       |      |       | 4.48 | 4.49  | 9.05  | 9.03  | 13.40 | 13.49 | 18.34 | 18.30 |
| Middle CH  |                          |       |      |       | 4.48 | 4.47  | 9.01  | 8.99  | 13.40 | 13.43 | 18.22 | 18.22 |
| Highest CH |                          |       |      |       | 4.49 | 4.48  | 8.95  | 8.97  | 13.34 | 13.43 | 18.34 | 18.22 |

| Mode       | LTE Band 38 : 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  |                           |       |      |       | 4.51 | 4.48  | 9.03  | 8.95  | 13.43 | 13.40 | 18.22 | 18.34 |
| Middle CH  |                           |       |      |       | 4.48 | 4.48  | 9.01  | 8.99  | 13.40 | 13.37 | 18.30 | 18.26 |
| Highest CH |                           |       |      |       | 4.50 | 4.50  | 9.05  | 9.01  | 13.49 | 13.37 | 18.34 | 18.06 |

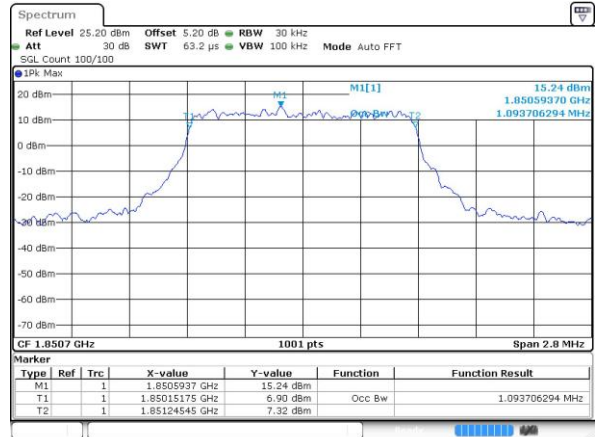


## LTE Band 2

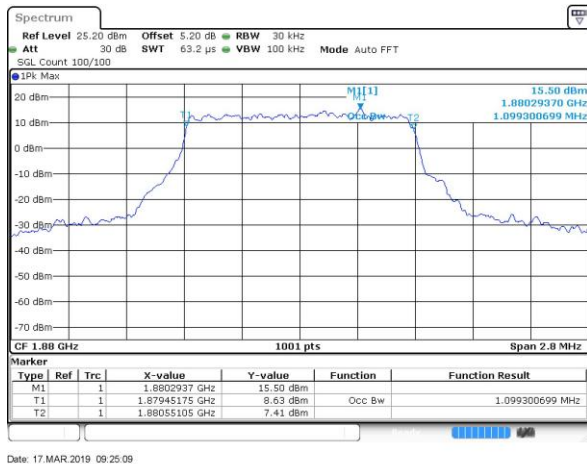
## Lowest Channel / 1.4MHz / QPSK



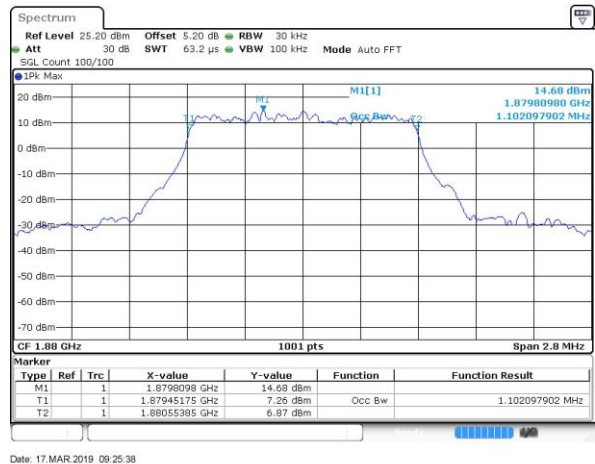
## Lowest Channel / 1.4MHz / 16QAM



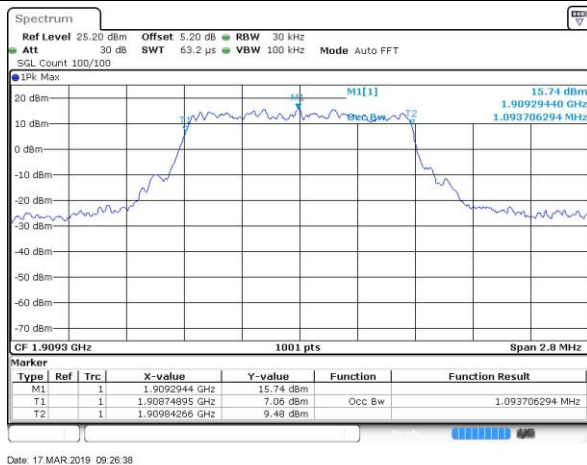
## Middle Channel / 1.4MHz / QPSK



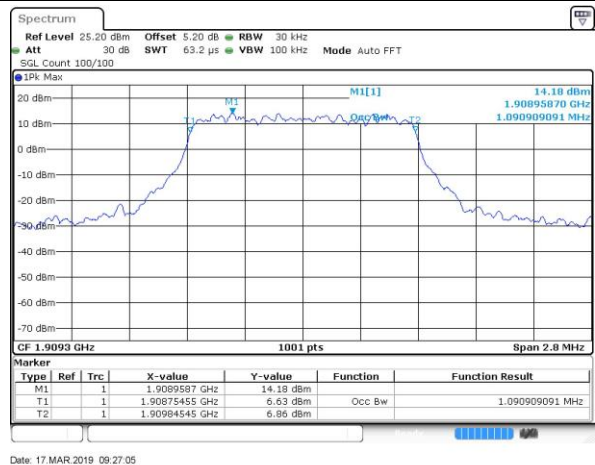
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



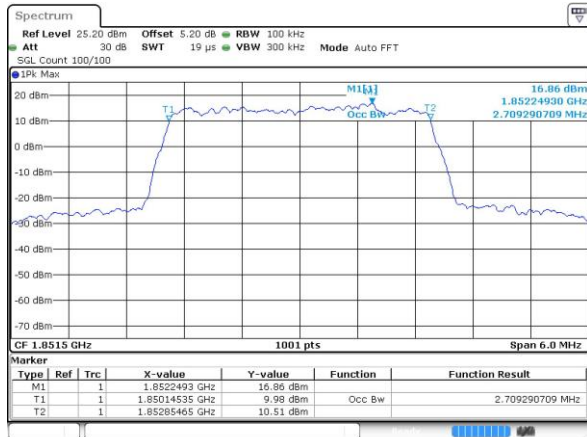
## Highest Channel / 1.4MHz / 16QAM



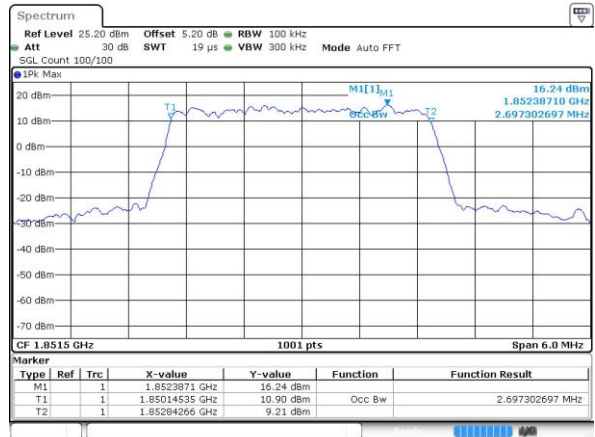


## LTE Band 2

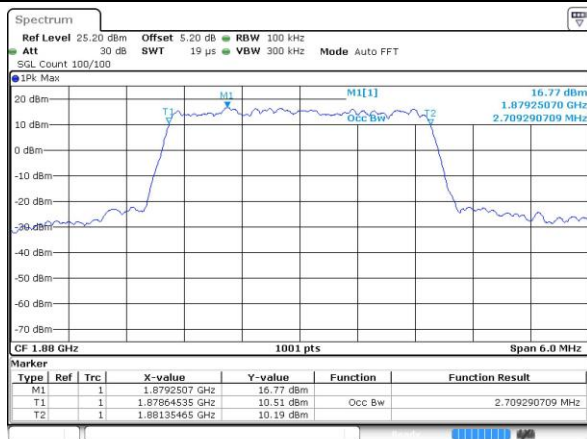
## Lowest Channel / 3MHz / QPSK



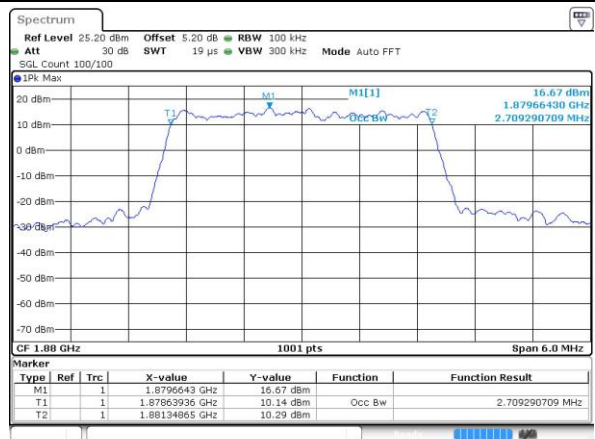
## Lowest Channel / 3MHz / 16QAM



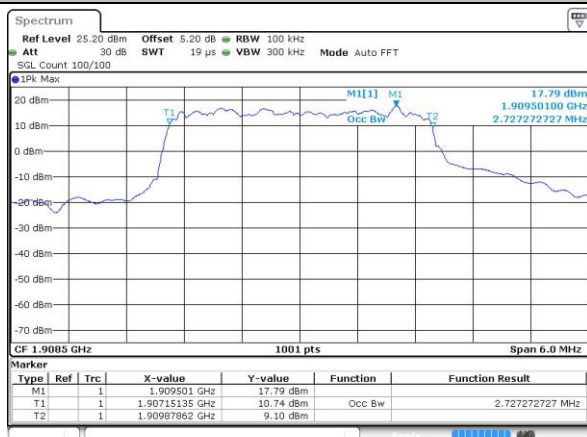
## Middle Channel / 3MHz / QPSK



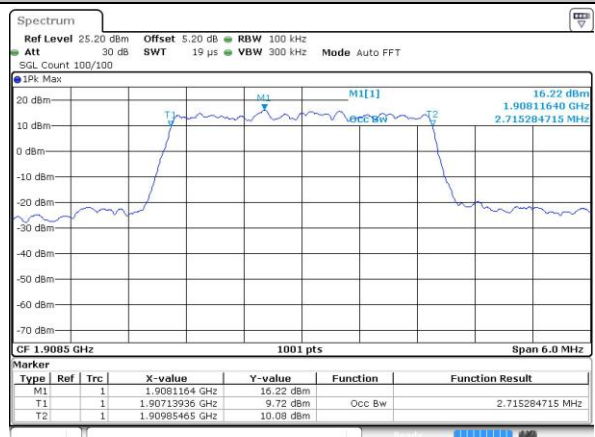
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



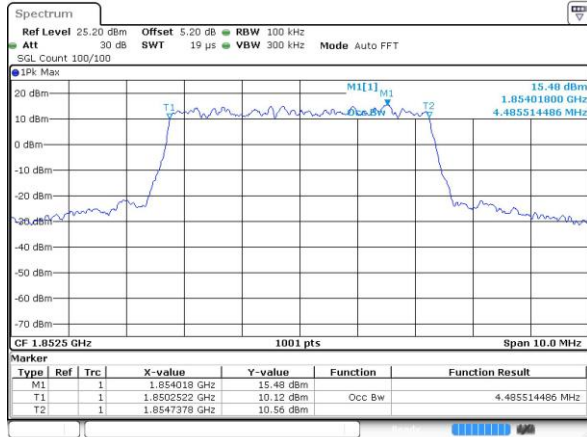
## Highest Channel / 3MHz / 16QAM



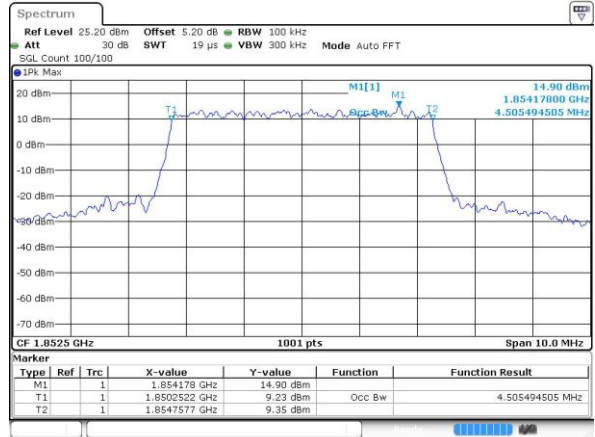


## LTE Band 2

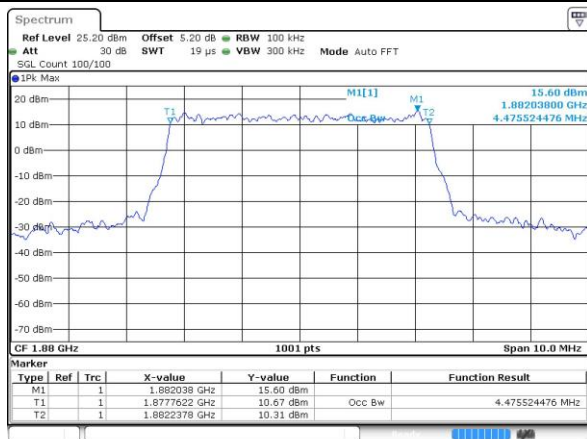
## Lowest Channel / 5MHz / QPSK



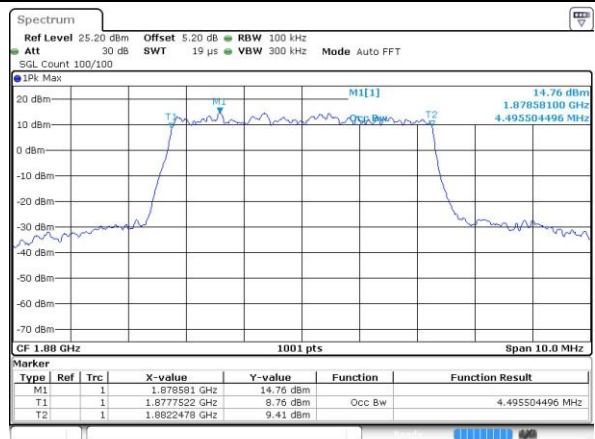
## Lowest Channel / 5MHz / 16QAM



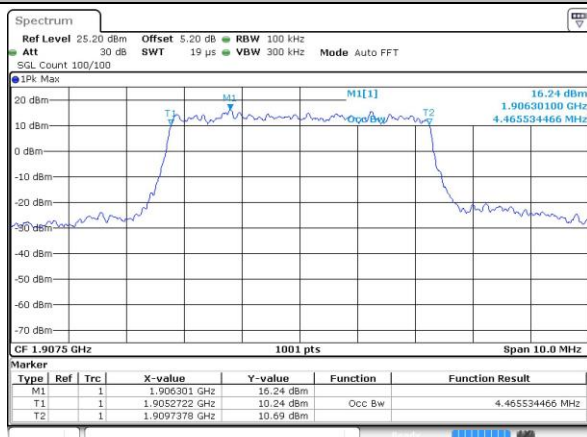
## Middle Channel / 5MHz / QPSK



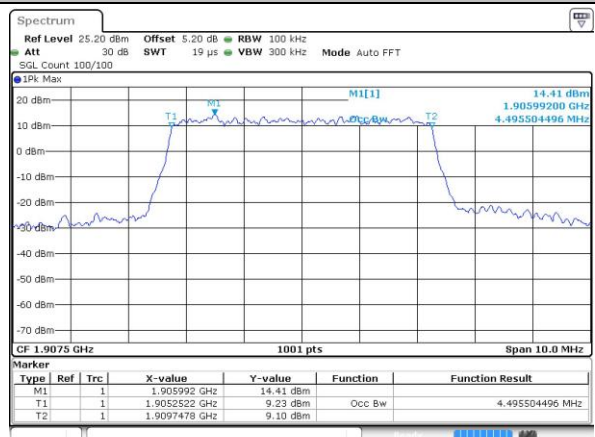
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



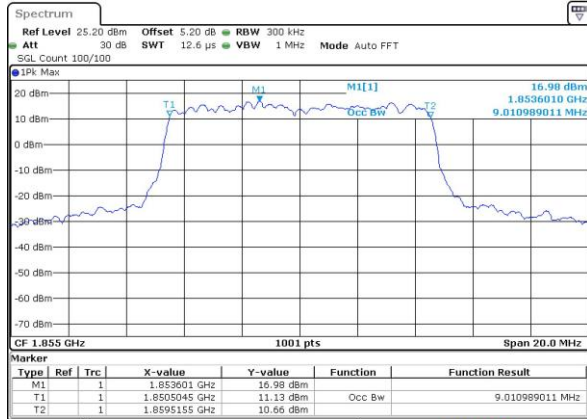
## Highest Channel / 5MHz / 16QAM





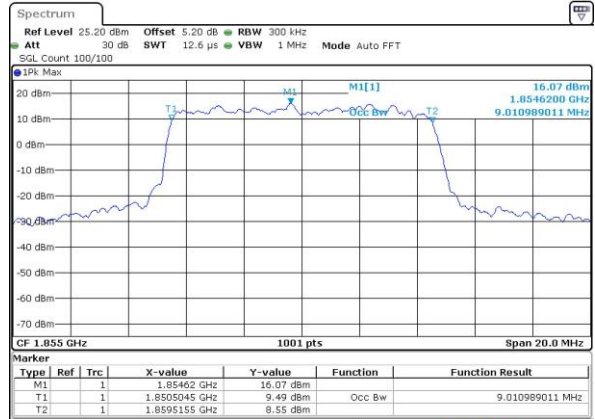
## LTE Band 2

## Lowest Channel / 10MHz / QPSK



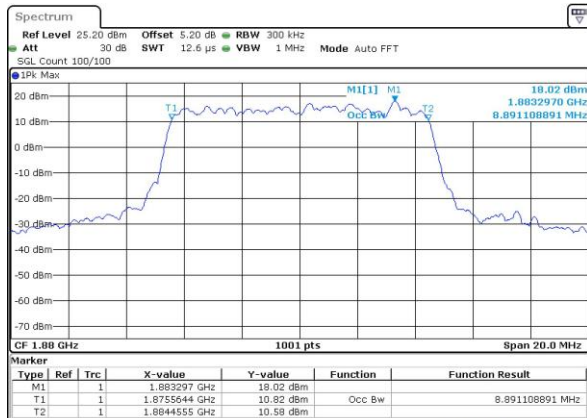
Date: 19 MAR 2019 10:25:13

## Lowest Channel / 10MHz / 16QAM



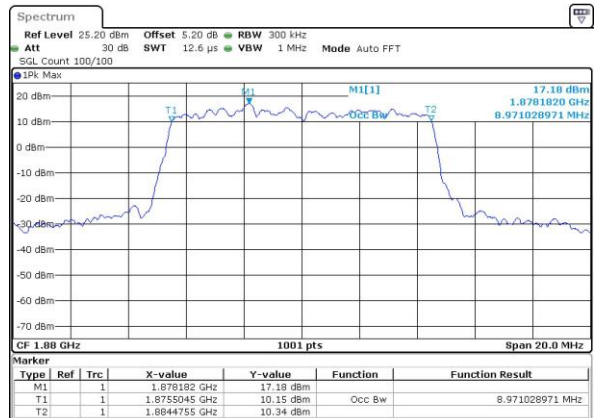
Date: 19 MAR 2019 10:26:00

## Middle Channel / 10MHz / QPSK



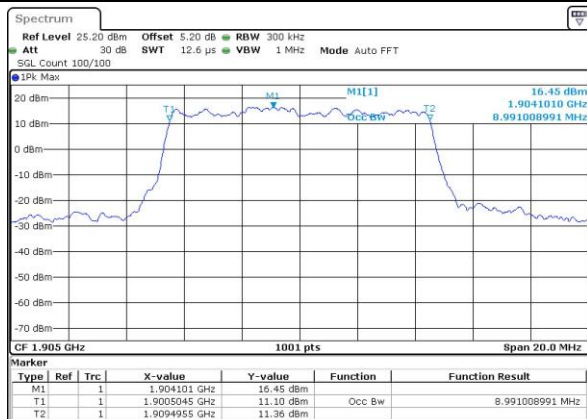
Date: 19 MAR 2019 10:28:04

## Middle Channel / 10MHz / 16QAM



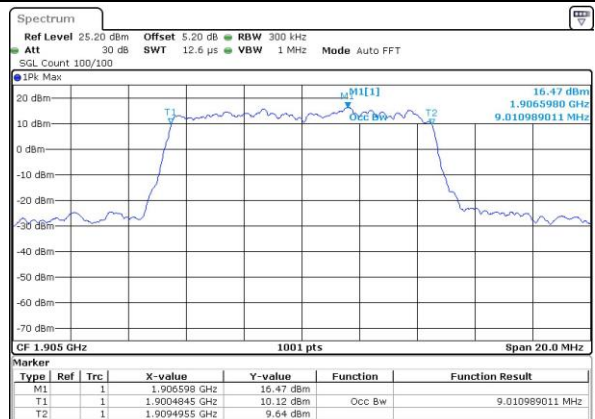
Date: 19 MAR 2019 10:28:31

## Highest Channel / 10MHz / QPSK



Date: 19 MAR 2019 10:29:44

## Highest Channel / 10MHz / 16QAM

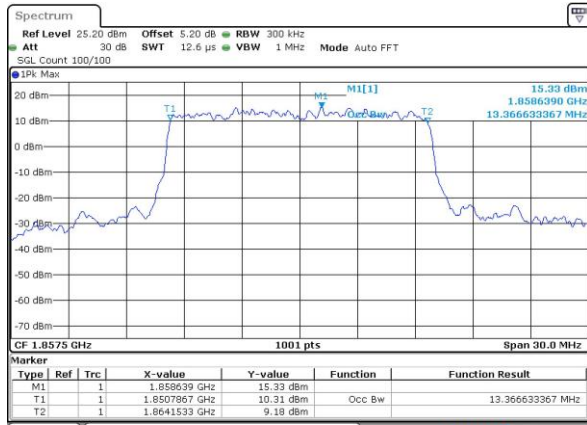


Date: 19 MAR 2019 10:30:12

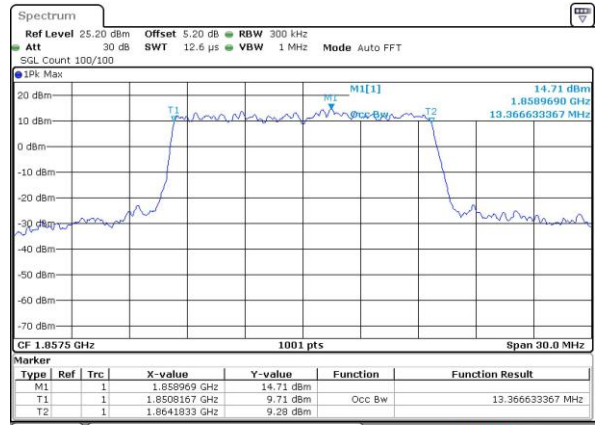


## LTE Band 2

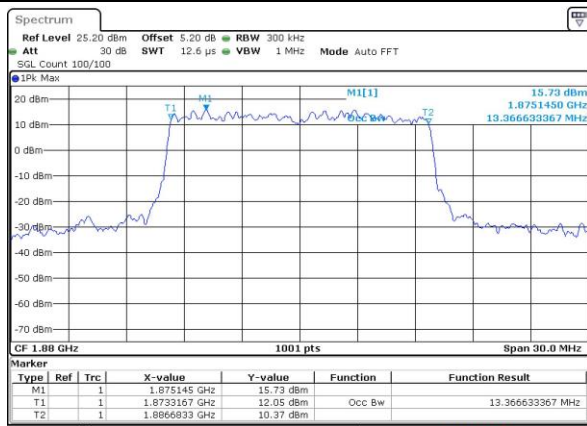
## Lowest Channel / 15MHz / QPSK



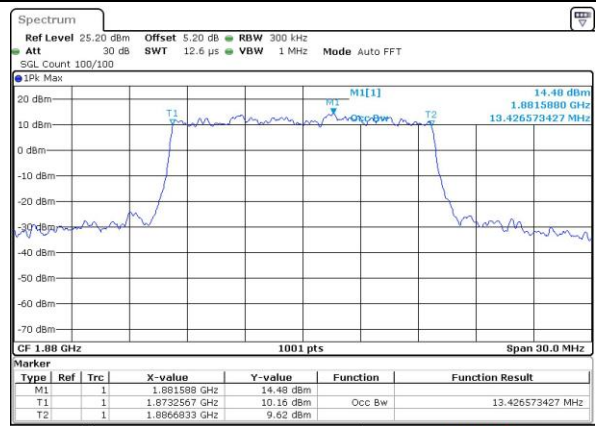
## Lowest Channel / 15MHz / 16QAM



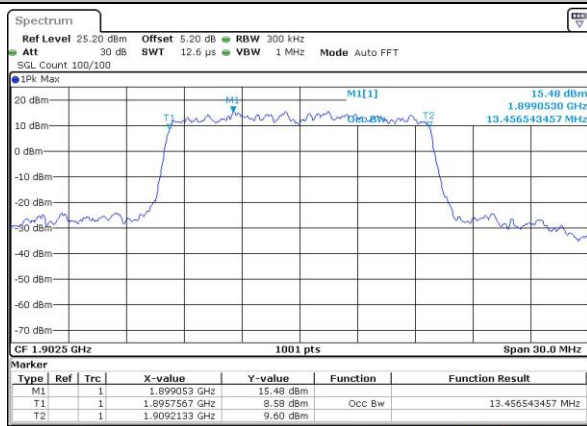
## Middle Channel / 15MHz / QPSK



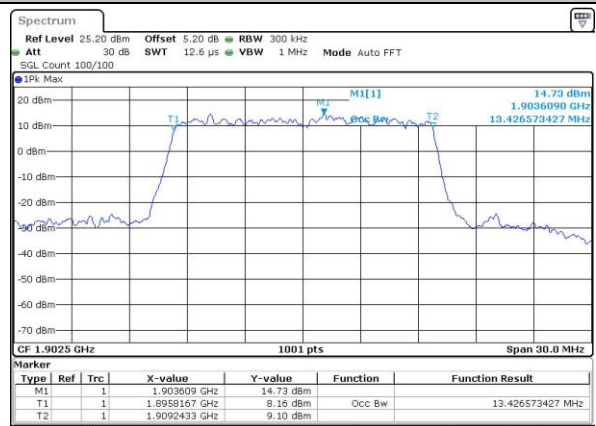
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



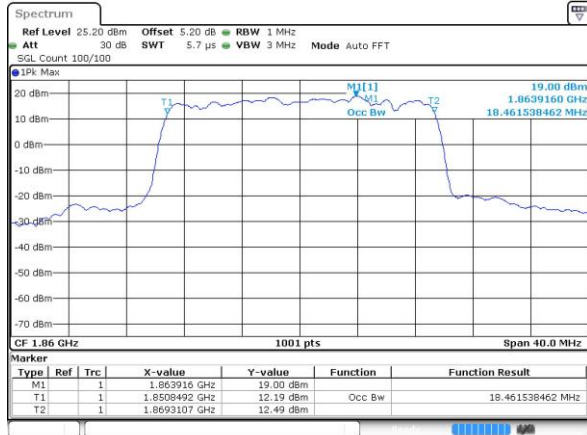
## Highest Channel / 15MHz / 16QAM





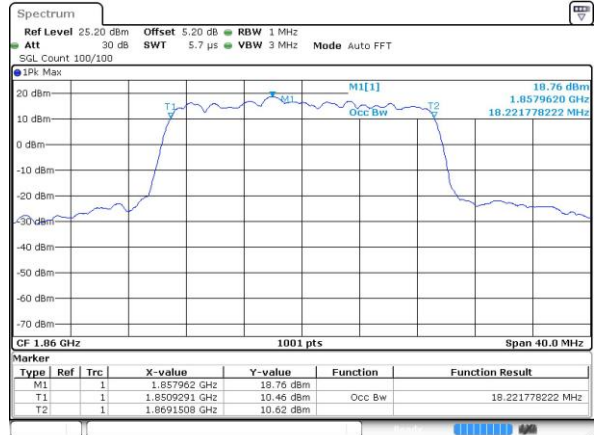
## LTE Band 2

## Lowest Channel / 20MHz / QPSK



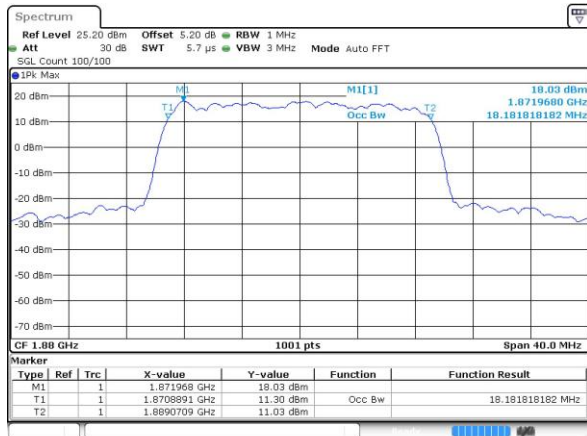
Date: 19 MAR 2019 10:57:28

## Lowest Channel / 20MHz / 16QAM



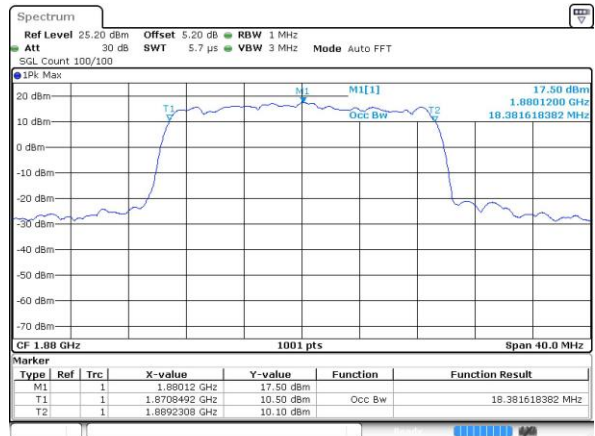
Date: 19 MAR 2019 10:57:57

## Middle Channel / 20MHz / QPSK



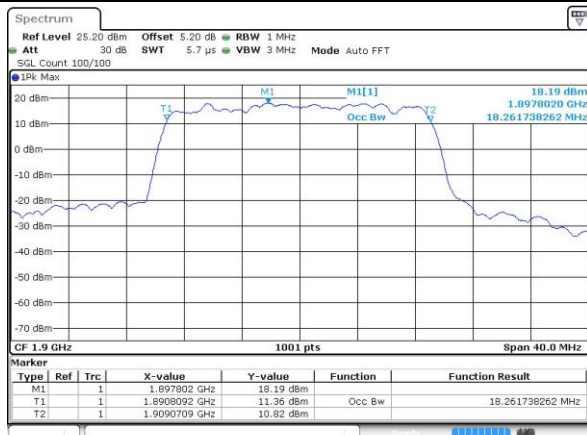
Date: 19 MAR 2019 10:59:53

## Middle Channel / 20MHz / 16QAM



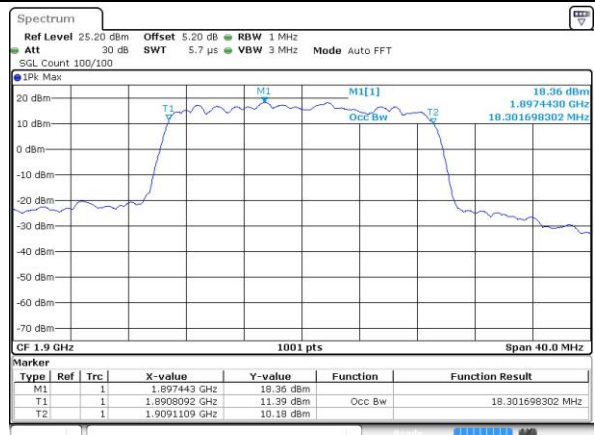
Date: 19 MAR 2019 10:59:25

## Highest Channel / 20MHz / QPSK



Date: 19 MAR 2019 11:00:24

## Highest Channel / 20MHz / 16QAM

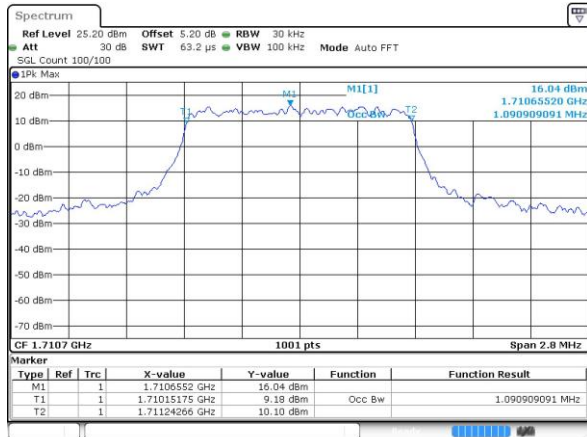


Date: 19 MAR 2019 11:00:53

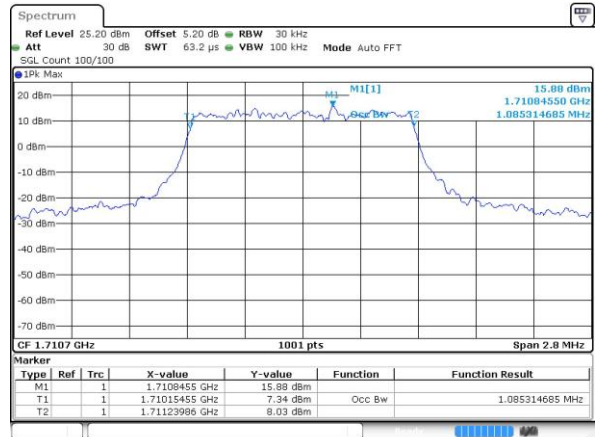


## LTE Band 4

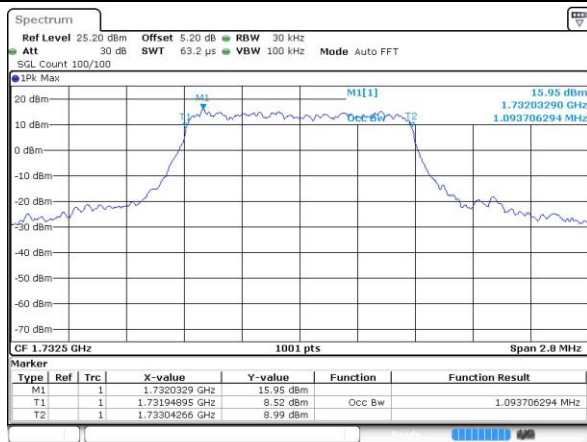
## Lowest Channel / 1.4MHz / QPSK



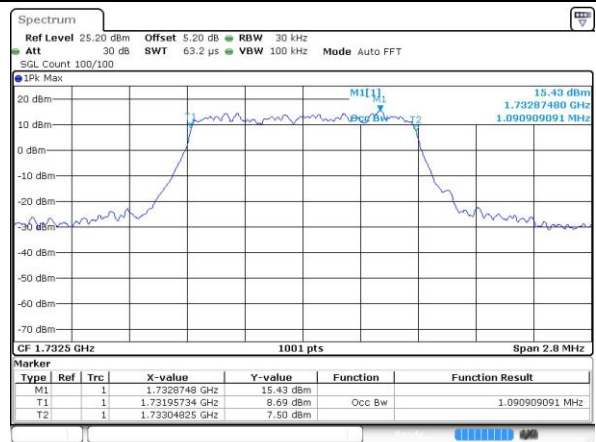
## Lowest Channel / 1.4MHz / 16QAM



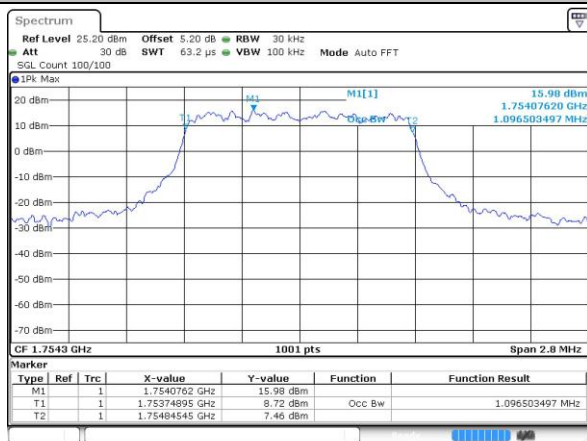
## Middle Channel / 1.4MHz / QPSK



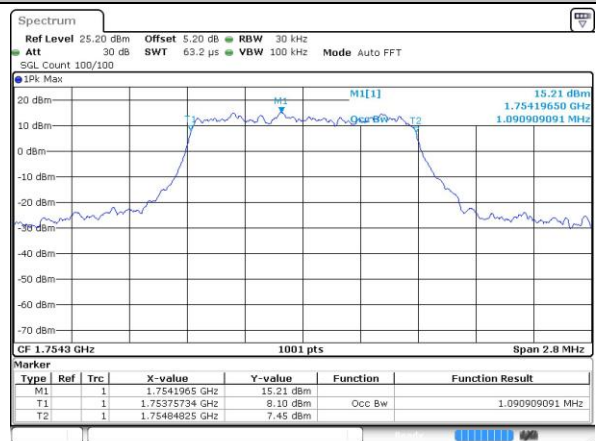
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



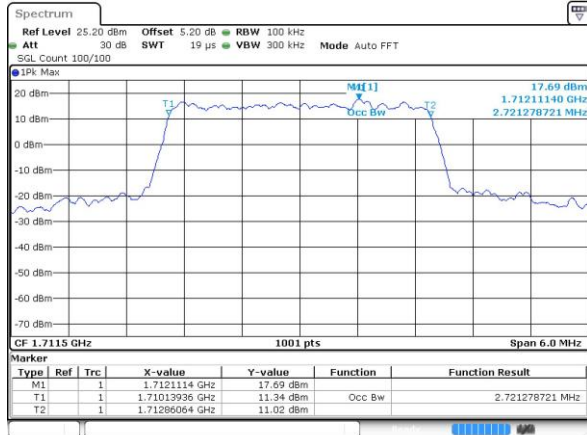
## Highest Channel / 1.4MHz / 16QAM



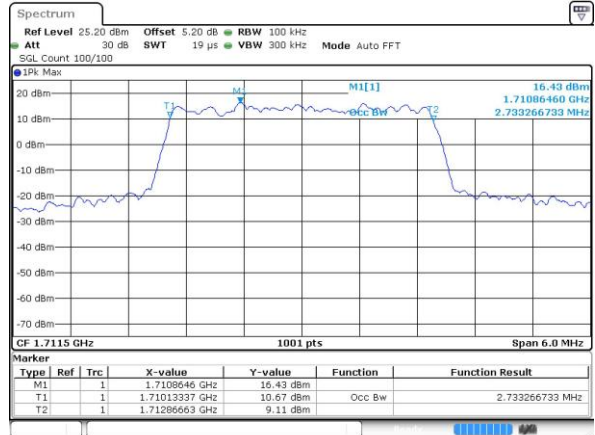


## LTE Band 4

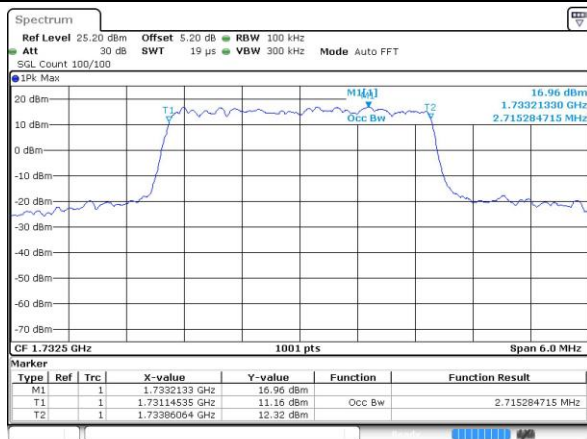
## Lowest Channel / 3MHz / QPSK



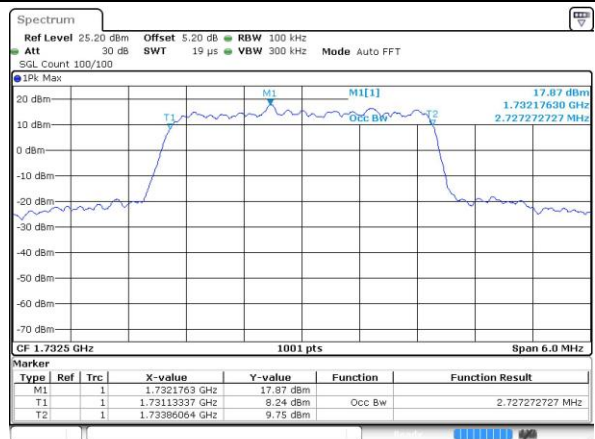
## Lowest Channel / 3MHz / 16QAM



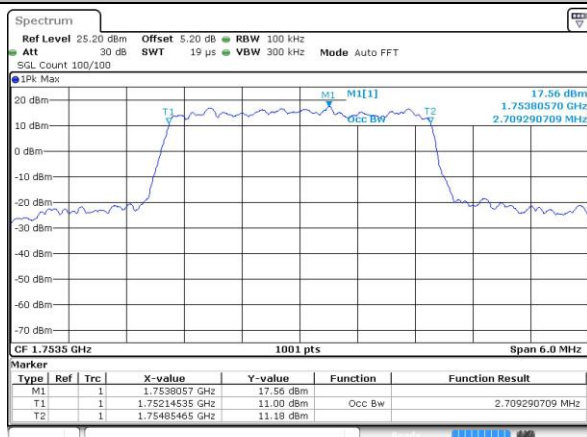
## Middle Channel / 3MHz / QPSK



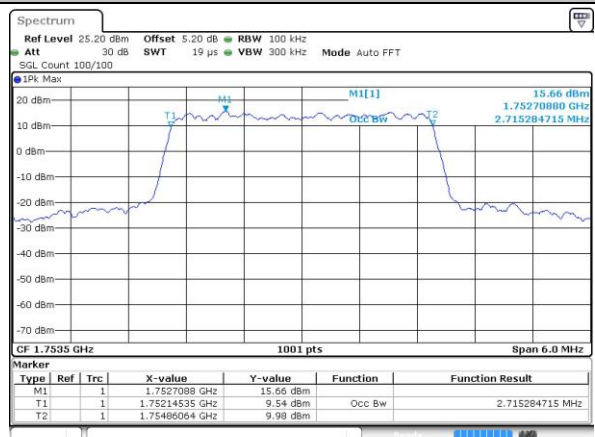
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



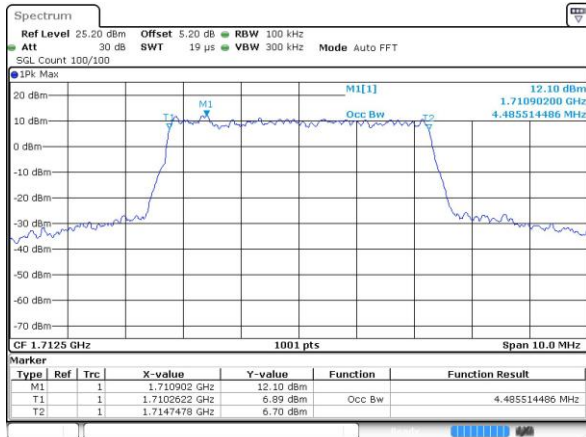
## Highest Channel / 3MHz / 16QAM



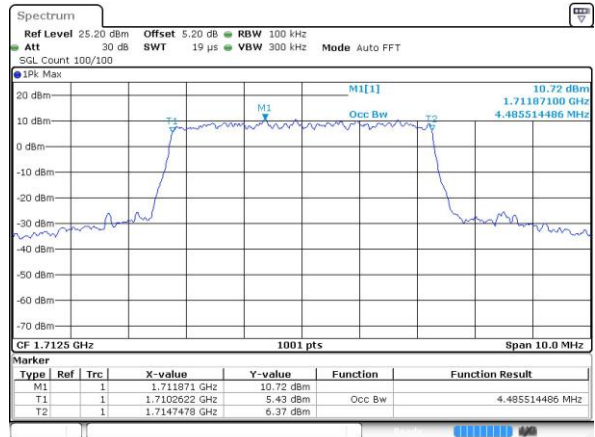


## LTE Band 4

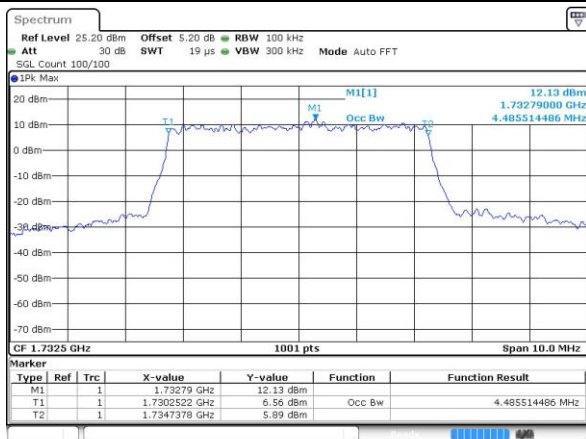
## Lowest Channel / 5MHz / QPSK



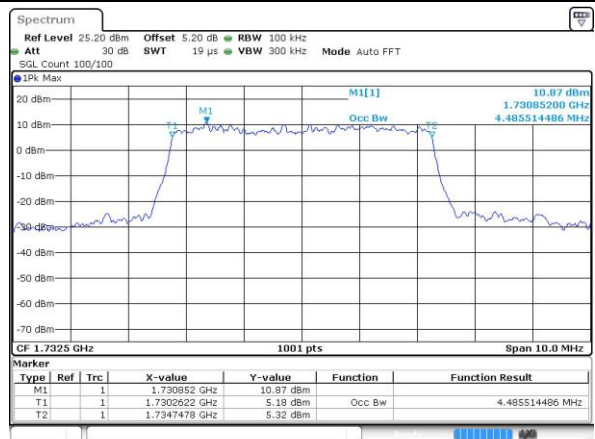
## Lowest Channel / 5MHz / 16QAM



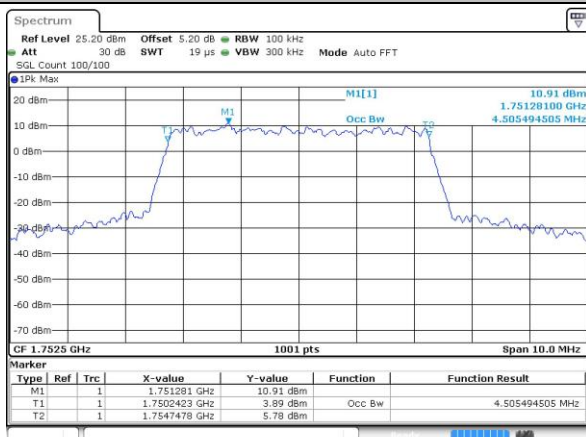
## Middle Channel / 5MHz / QPSK



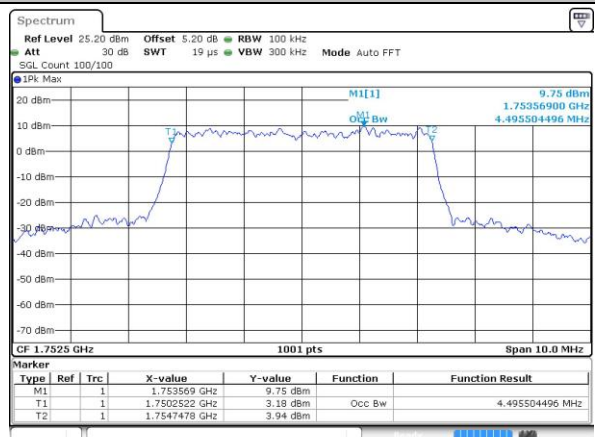
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



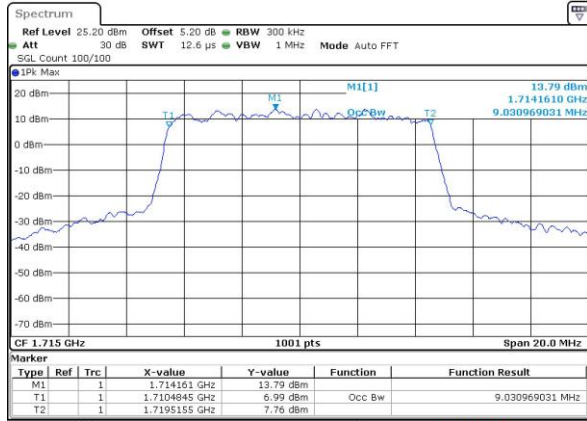
## Highest Channel / 5MHz / 16QAM





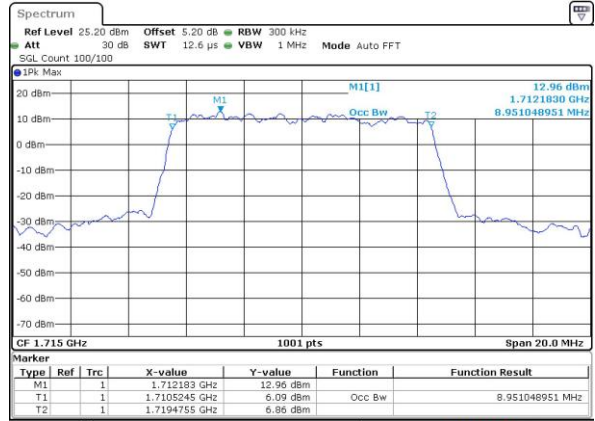
## LTE Band 4

## Lowest Channel / 10MHz / QPSK



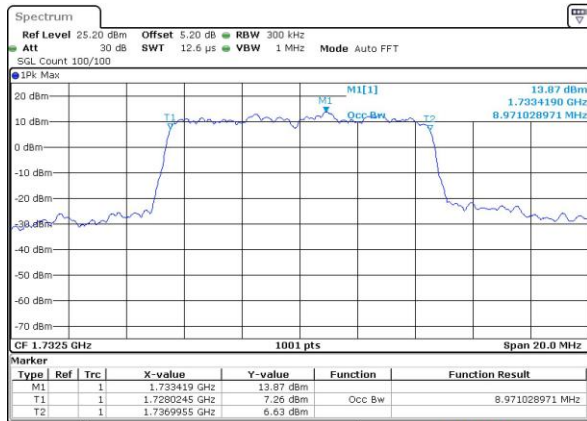
Date: 4 APR 2019 03:15:55

## Lowest Channel / 10MHz / 16QAM



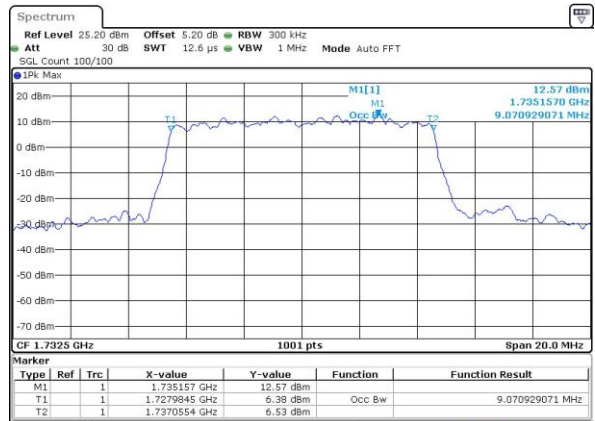
Date: 4 APR 2019 03:16:18

## Middle Channel / 10MHz / QPSK



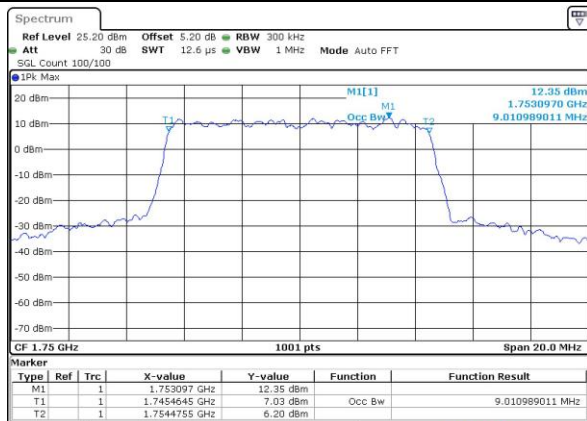
Date: 4 APR 2019 03:17:11

## Middle Channel / 10MHz / 16QAM



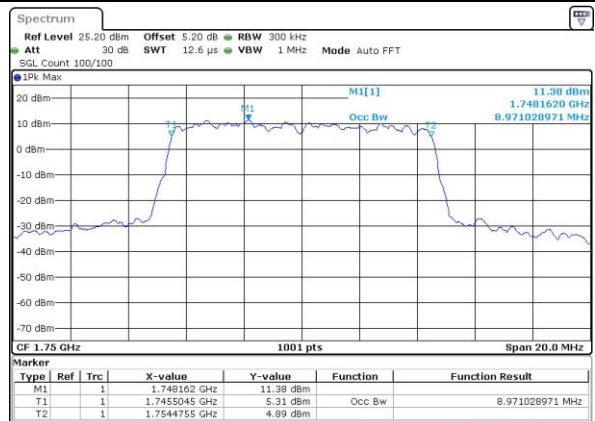
Date: 4 APR 2019 03:17:33

## Highest Channel / 10MHz / QPSK



Date: 4 APR 2019 03:18:23

## Highest Channel / 10MHz / 16QAM

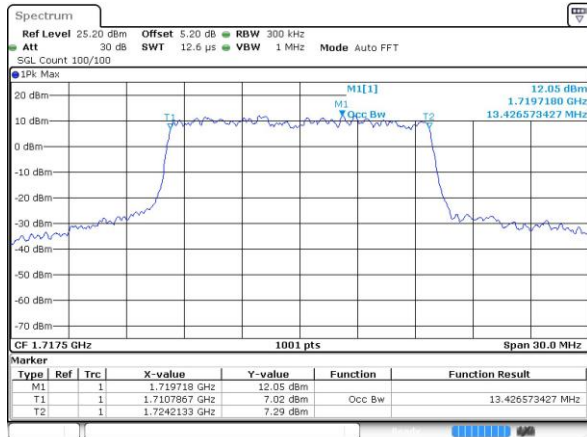


Date: 4 APR 2019 03:18:53

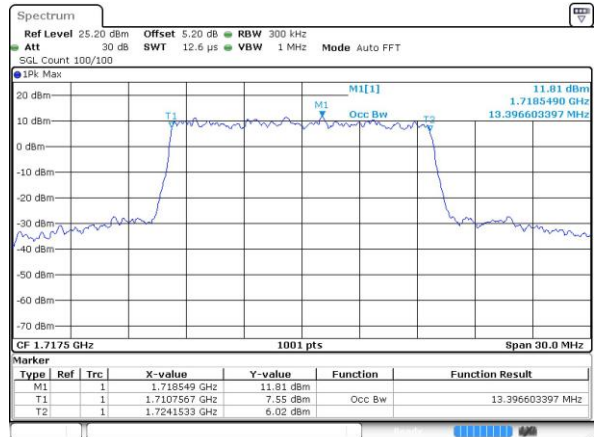


## LTE Band 4

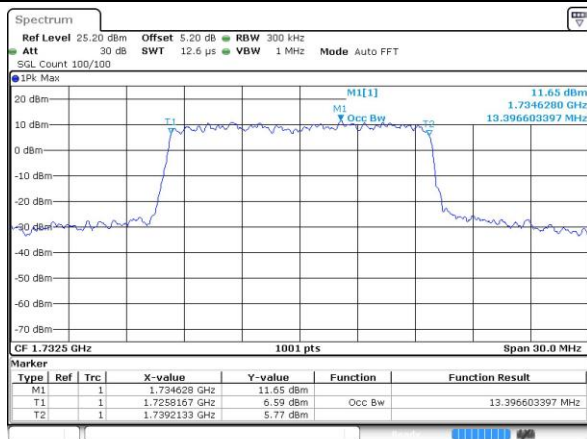
## Lowest Channel / 15MHz / QPSK



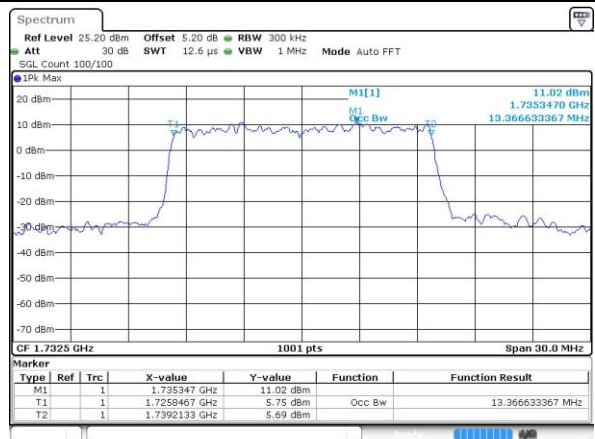
## Lowest Channel / 15MHz / 16QAM



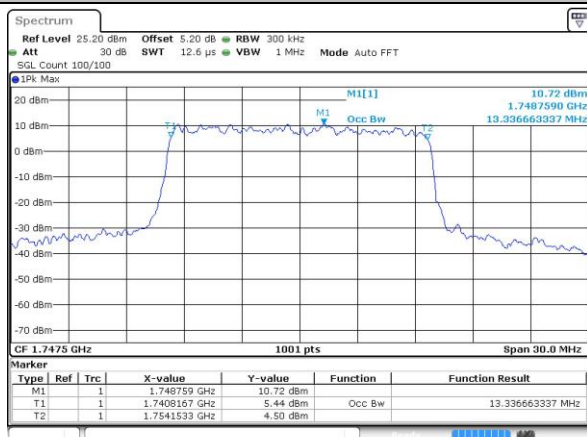
## Middle Channel / 15MHz / QPSK



## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



## Highest Channel / 15MHz / 16QAM

