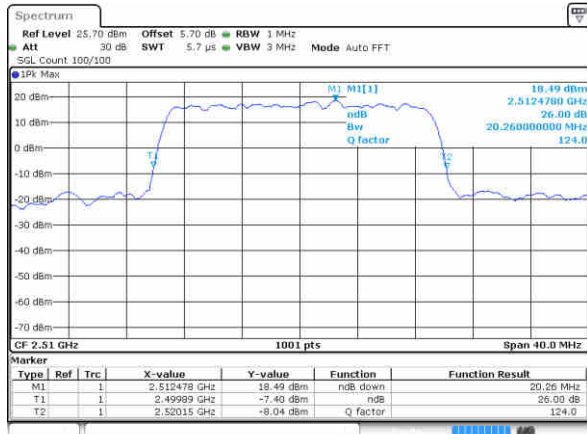


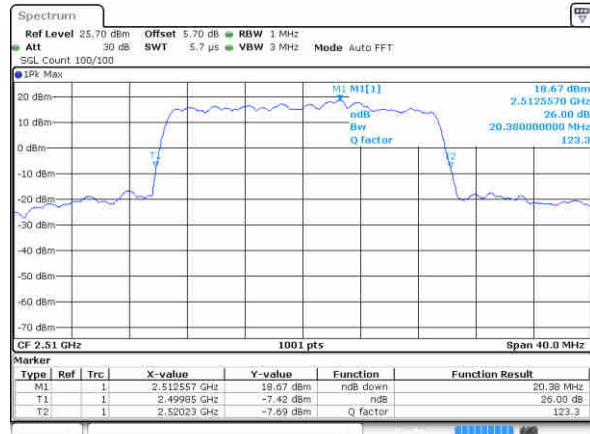


## LTE Band 7

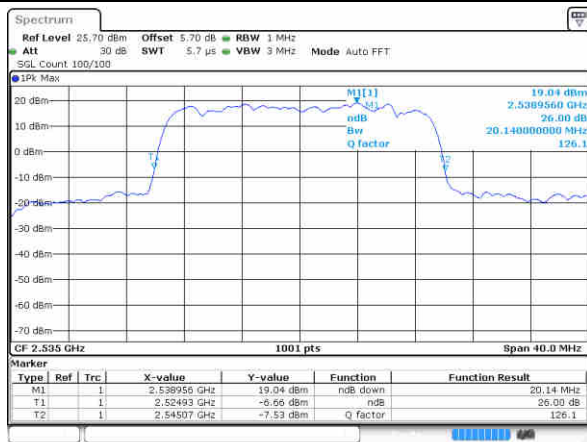
## Lowest Channel / 20MHz / QPSK



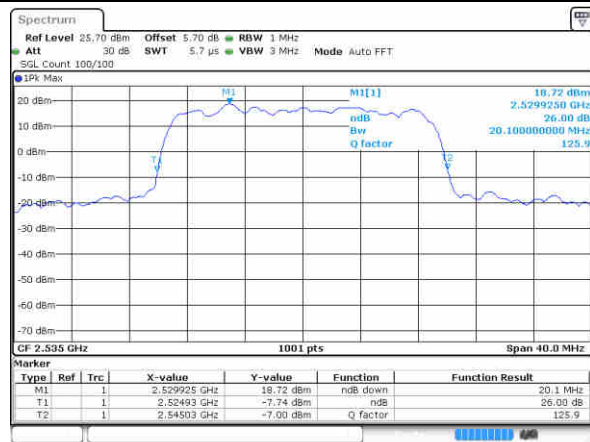
## Lowest Channel / 20MHz / 16QAM



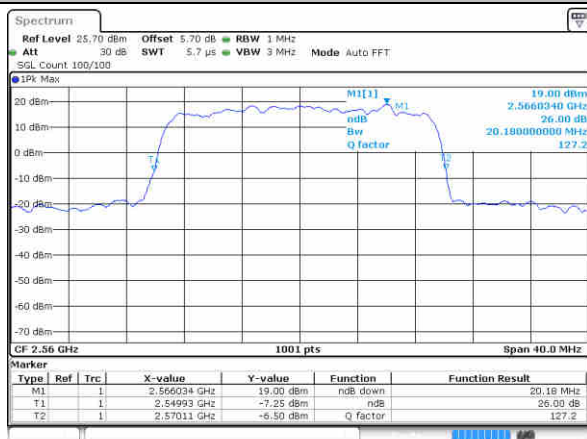
## Middle Channel / 20MHz / QPSK



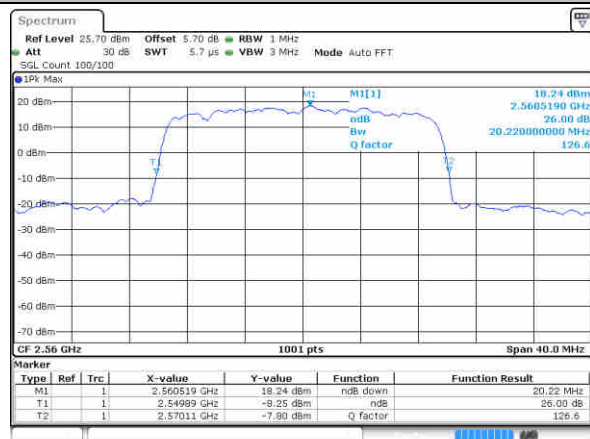
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



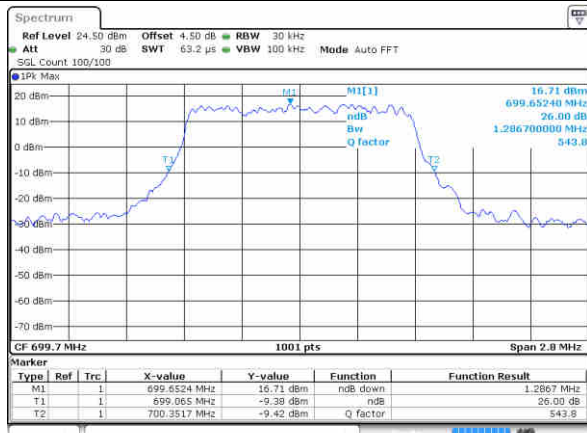
## Highest Channel / 20MHz / 16QAM





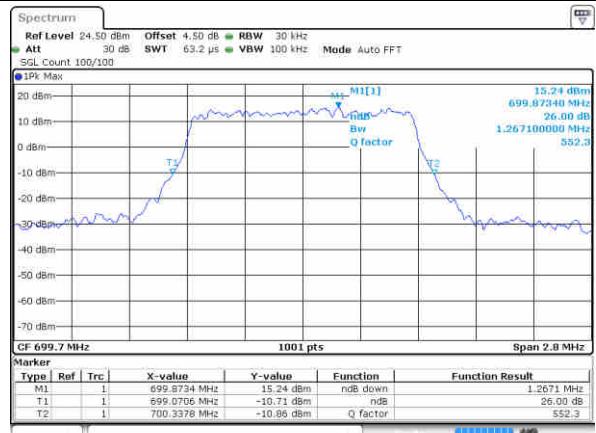
## LTE Band 12

## Lowest Channel / 1.4MHz / QPSK



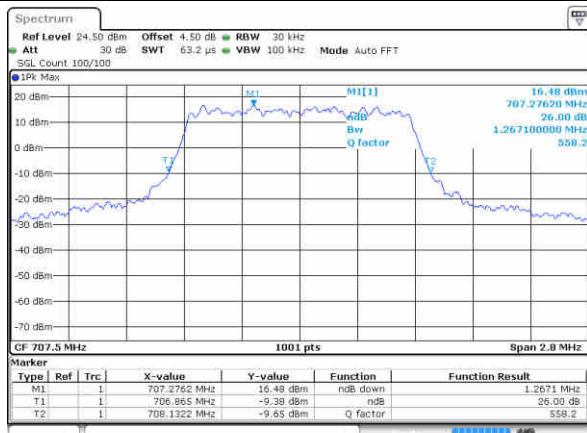
Date: 30 APR 2019 11:18:38

## Lowest Channel / 1.4MHz / 16QAM



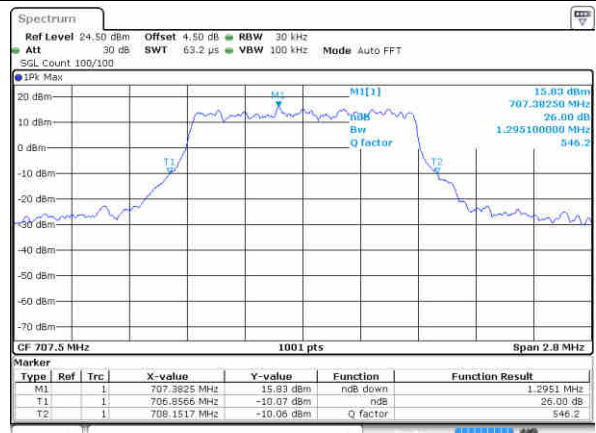
Date: 30 APR 2019 11:18:28

## Middle Channel / 1.4MHz / QPSK



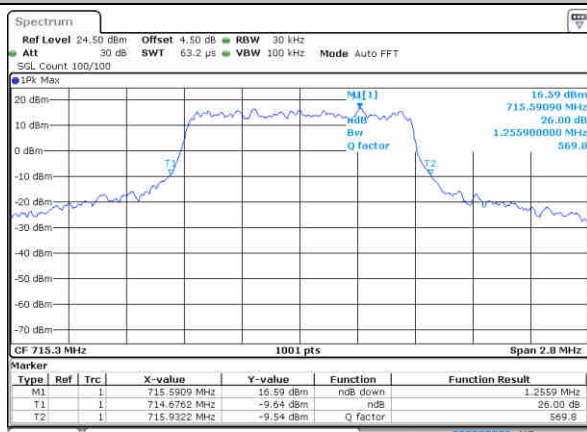
Date: 30 APR 2019 11:18:07

## Middle Channel / 1.4MHz / 16QAM



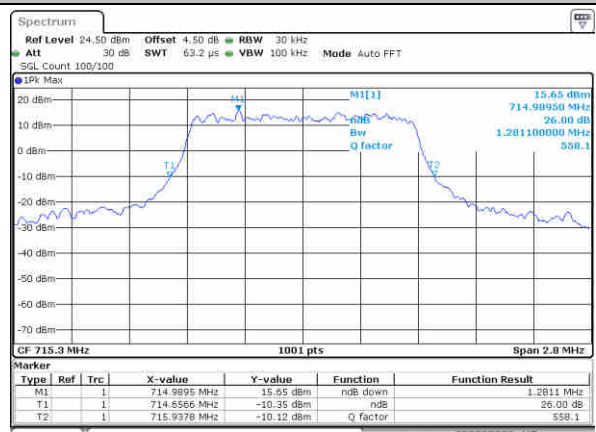
Date: 30 APR 2019 11:18:17

## Highest Channel / 1.4MHz / QPSK



Date: 30 APR 2019 11:17:57

## Highest Channel / 1.4MHz / 16QAM

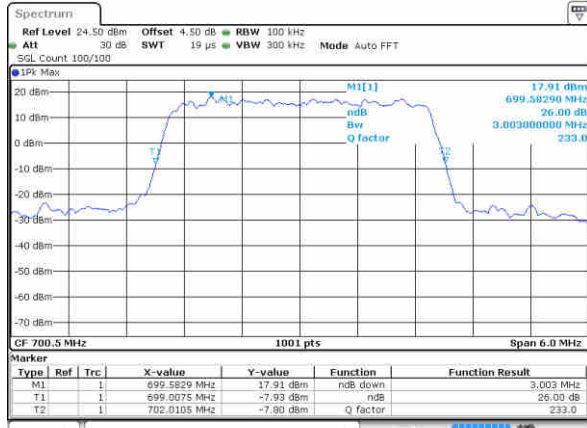


Date: 30 APR 2019 11:17:47



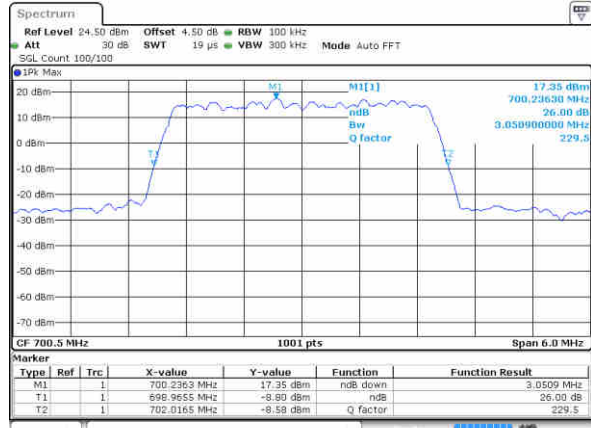
## LTE Band 12

## Lowest Channel / 3MHz / QPSK



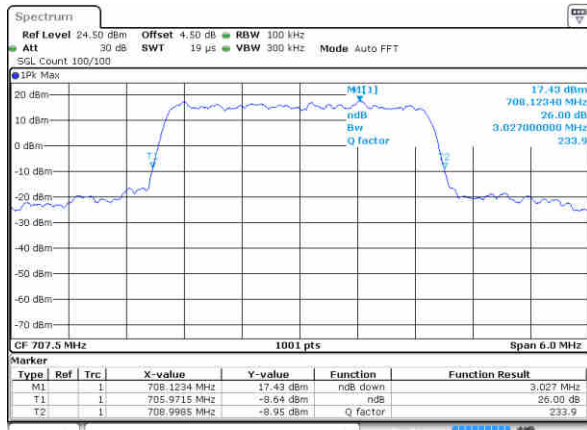
Date: 30 APR 2019 11:41:55

## Lowest Channel / 3MHz / 16QAM



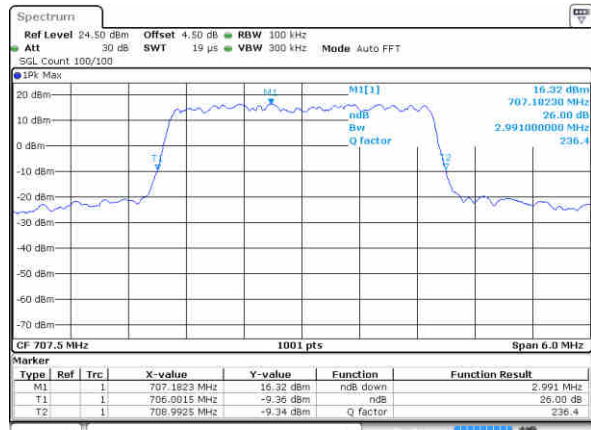
Date: 30 APR 2019 11:41:45

## Middle Channel / 3MHz / QPSK



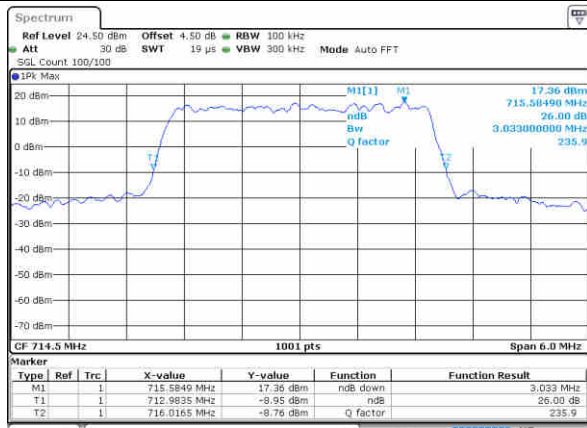
Date: 30 APR 2019 11:41:25

## Middle Channel / 3MHz / 16QAM



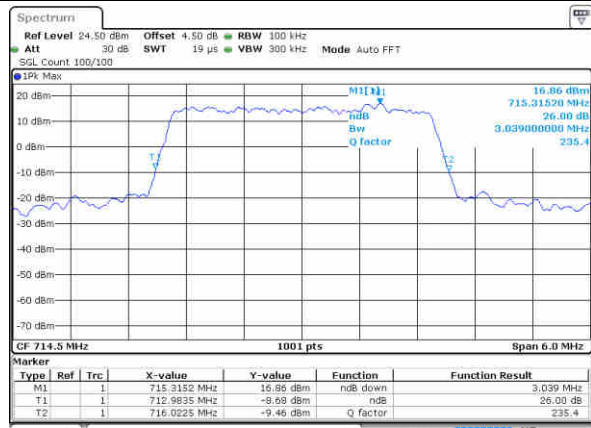
Date: 30 APR 2019 11:41:35

## Highest Channel / 3MHz / QPSK



Date: 30 APR 2019 11:41:15

## Highest Channel / 3MHz / 16QAM

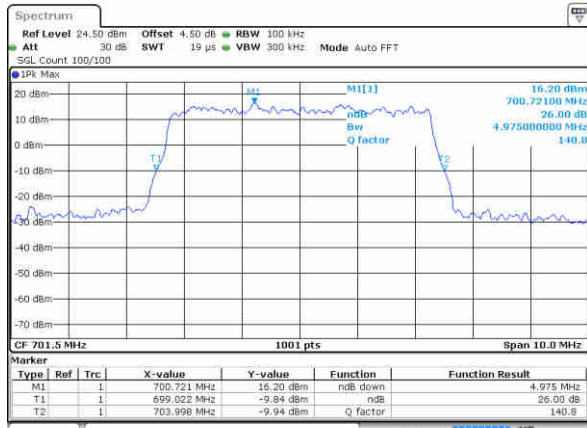


Date: 30 APR 2019 11:41:05

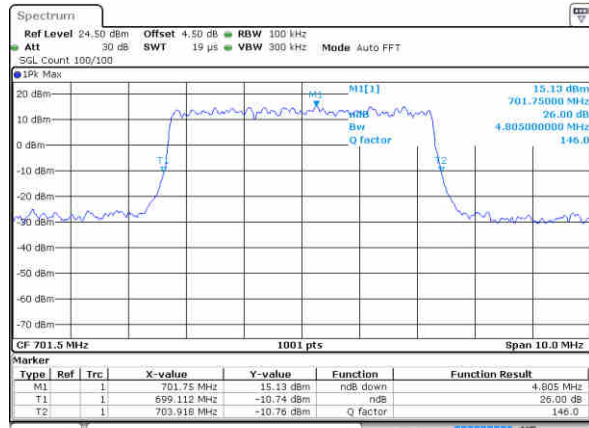


## LTE Band 12

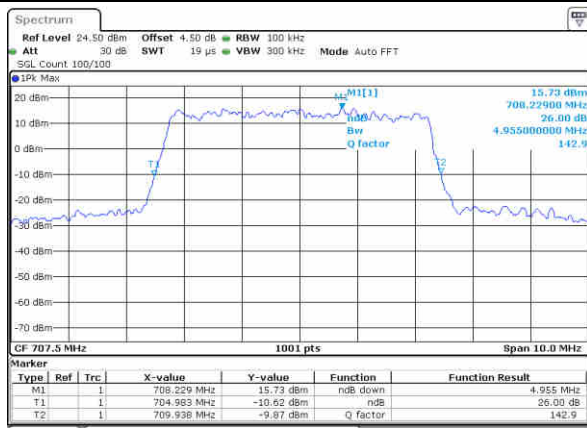
## Lowest Channel / 5MHz / QPSK



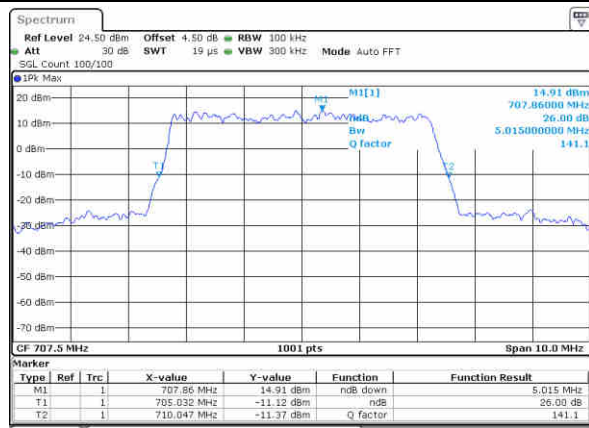
## Lowest Channel / 5MHz / 16QAM



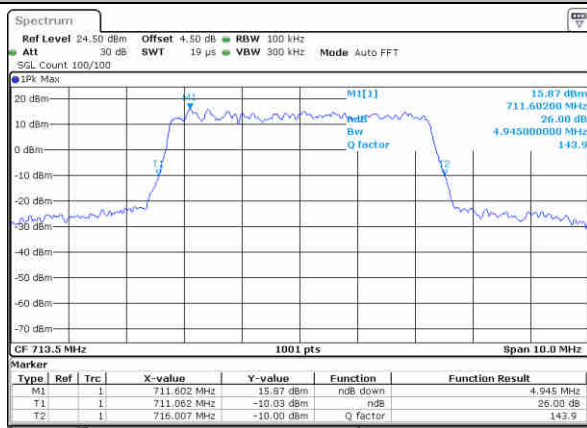
## Middle Channel / 5MHz / QPSK



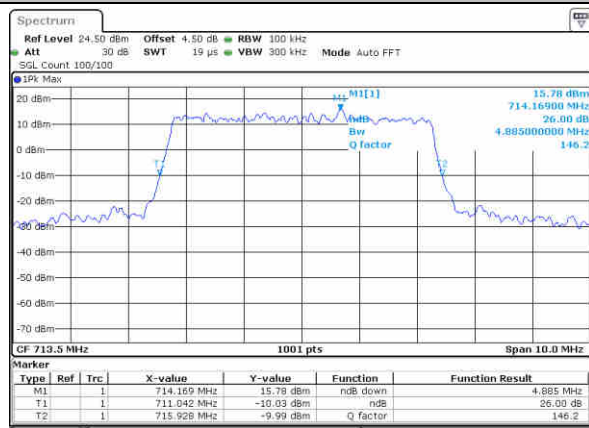
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



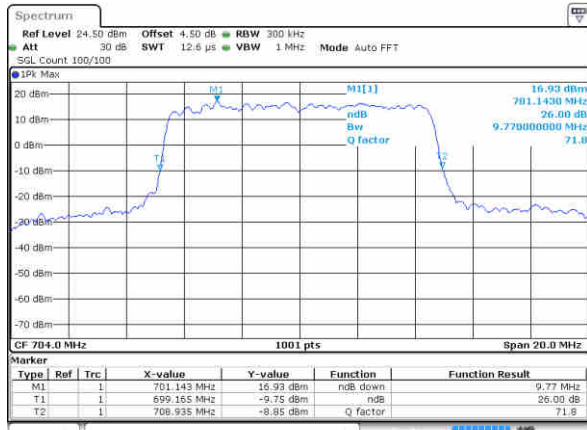
## Highest Channel / 5MHz / 16QAM





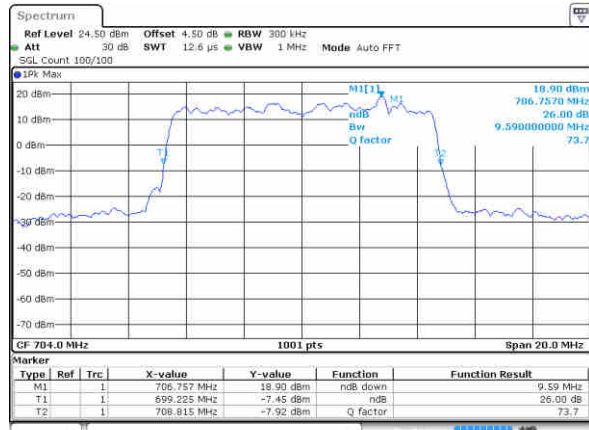
## LTE Band 12

## Lowest Channel / 10MHz / QPSK



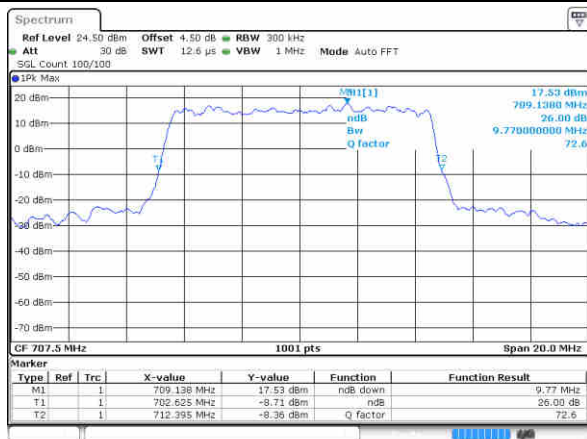
Date: 30 APR 2019 12:03:54

## Lowest Channel / 10MHz / 16QAM



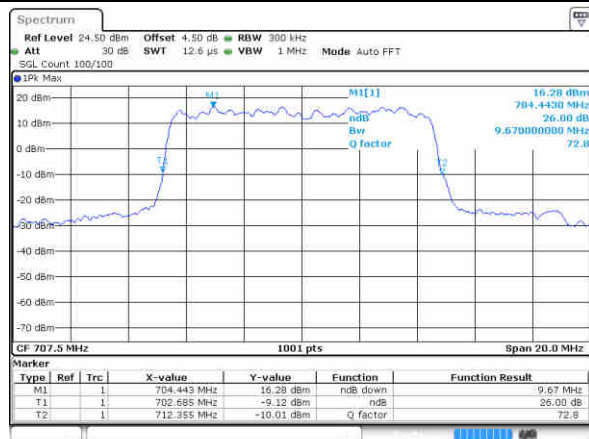
Date: 30 APR 2019 12:03:45

## Middle Channel / 10MHz / QPSK



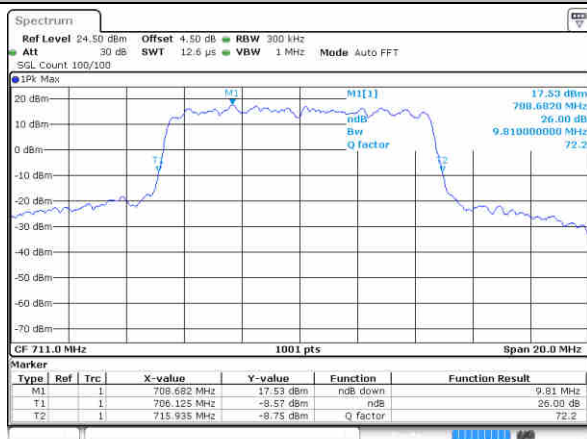
Date: 30 APR 2019 12:03:25

## Middle Channel / 10MHz / 16QAM



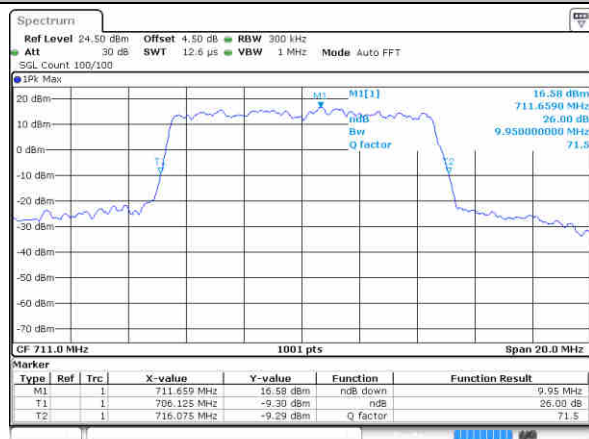
Date: 30 APR 2019 12:03:35

## Highest Channel / 10MHz / QPSK



Date: 30 APR 2019 12:03:15

## Highest Channel / 10MHz / 16QAM

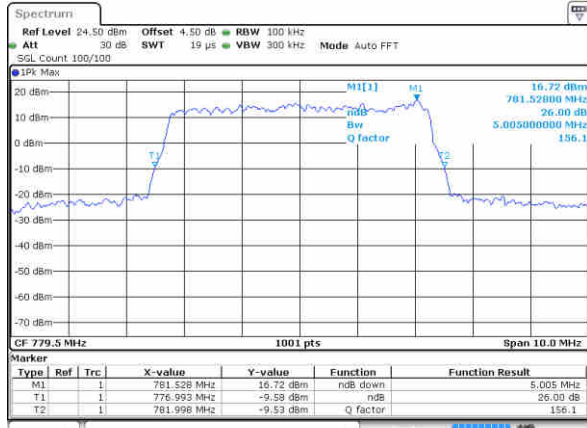


Date: 30 APR 2019 12:03:05

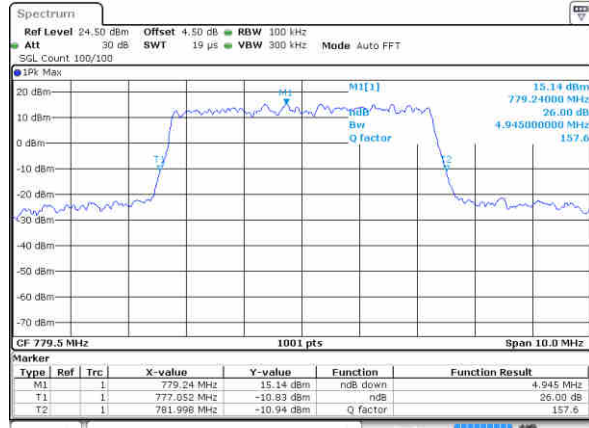


## LTE Band 13

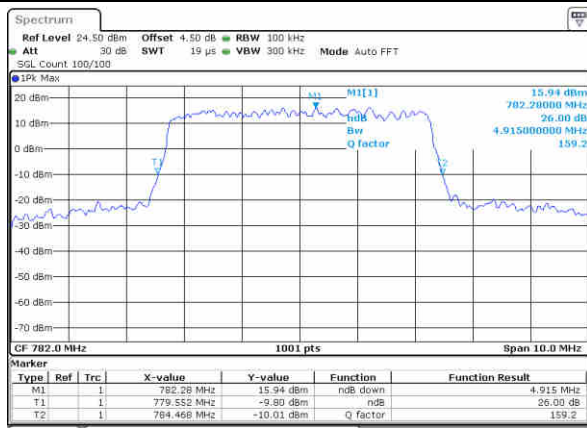
## Lowest Channel / 5MHz / QPSK



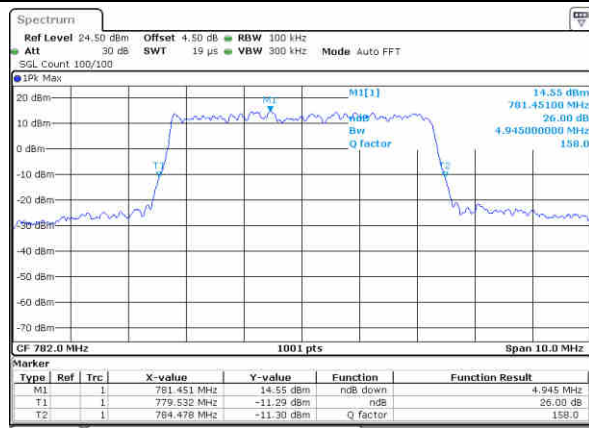
## Lowest Channel / 5MHz / 16QAM



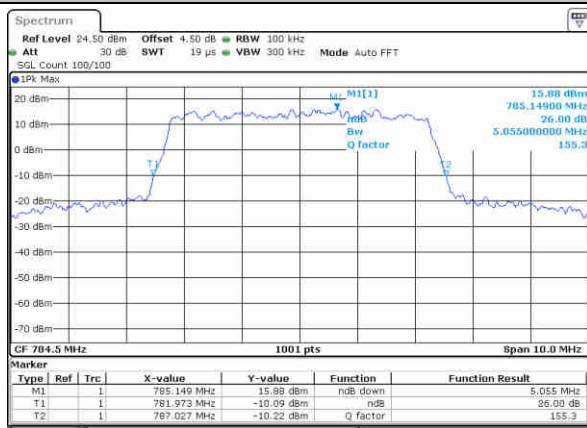
## Middle Channel / 5MHz / QPSK



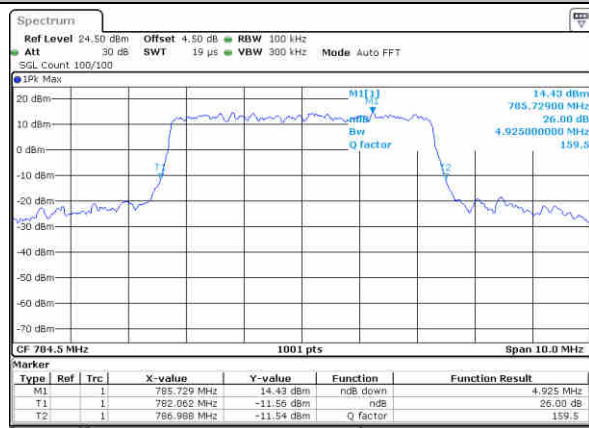
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



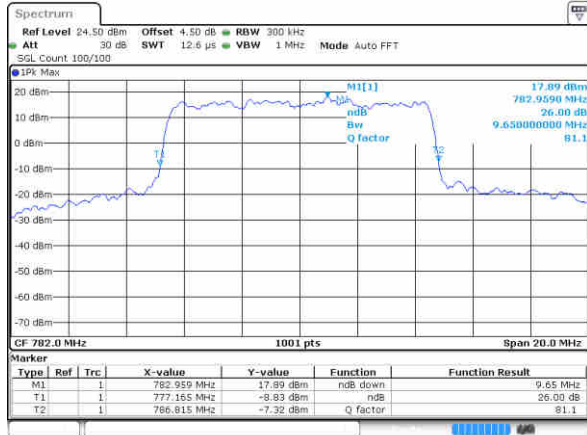
## Highest Channel / 5MHz / 16QAM





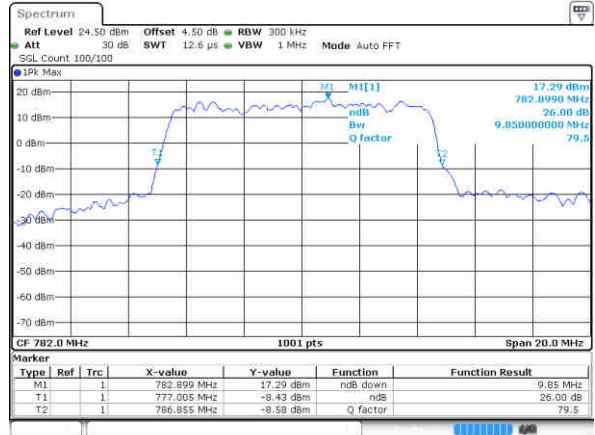
## LTE Band 13

## Middle Channel / 10MHz / QPSK



Date: 30 APR 2019 14:55:15

## Middle Channel / 10MHz / 16QAM

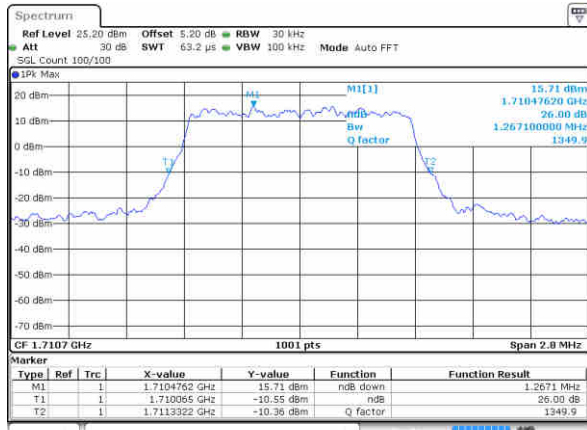


Date: 30 APR 2019 14:55:05

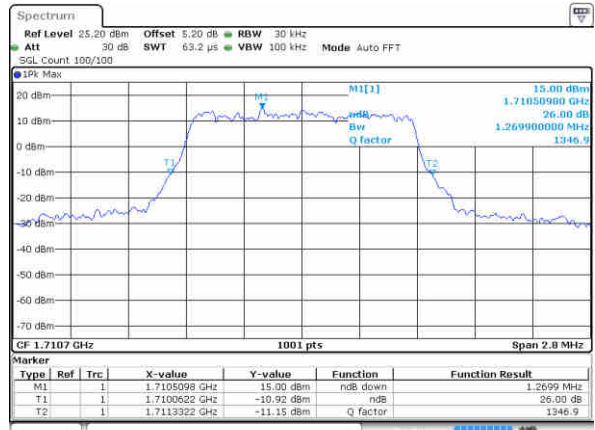


## LTE Band 66

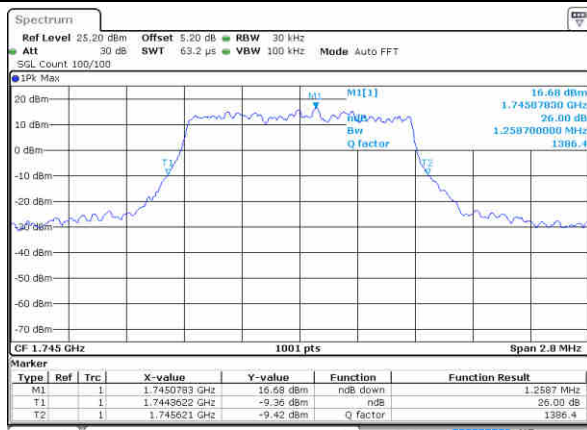
## Lowest Channel / 1.4MHz / QPSK



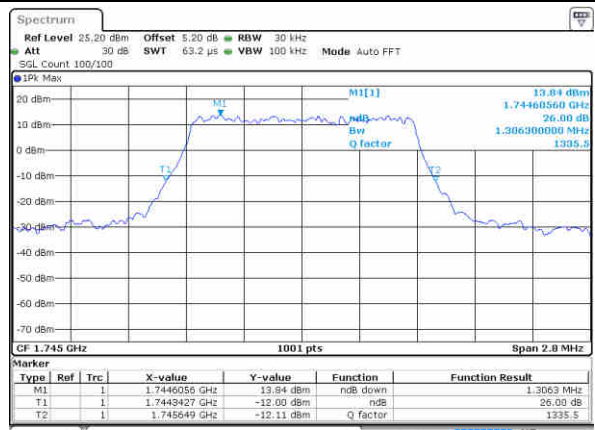
## Lowest Channel / 1.4MHz / 16QAM



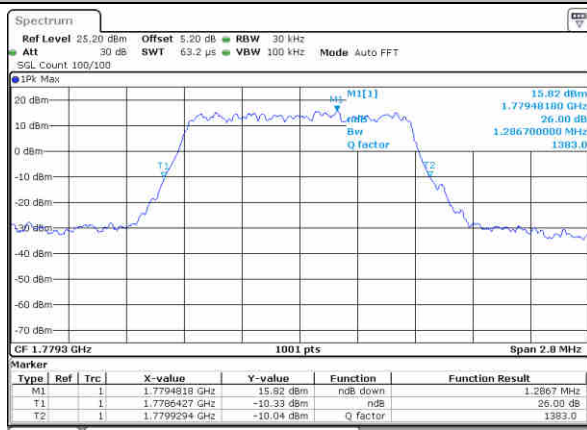
## Middle Channel / 1.4MHz / QPSK



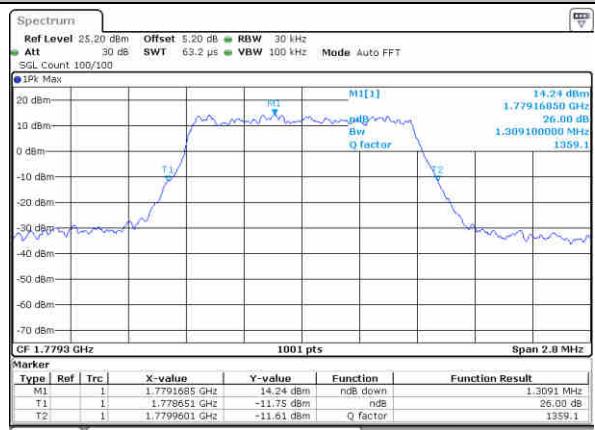
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



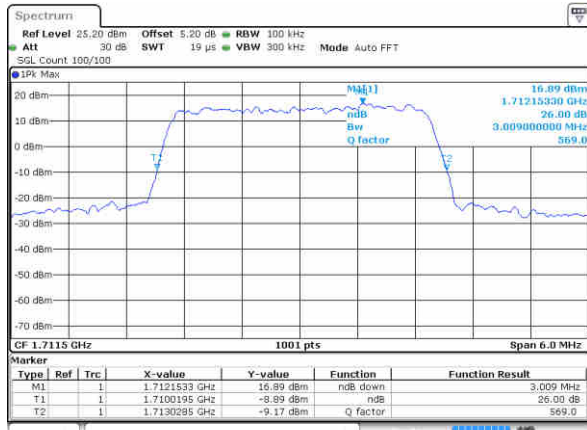
## Highest Channel / 1.4MHz / 16QAM





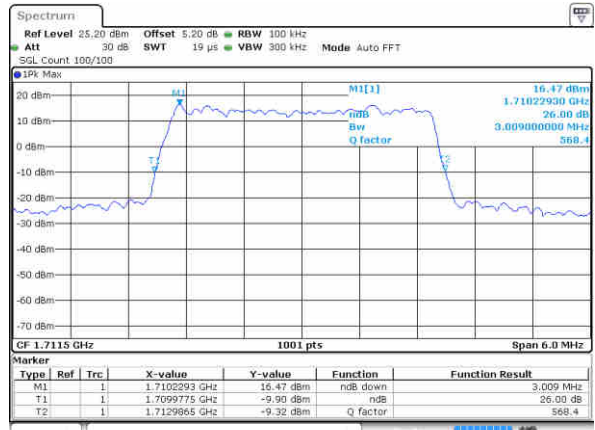
## LTE Band 66

## Lowest Channel / 3MHz / QPSK



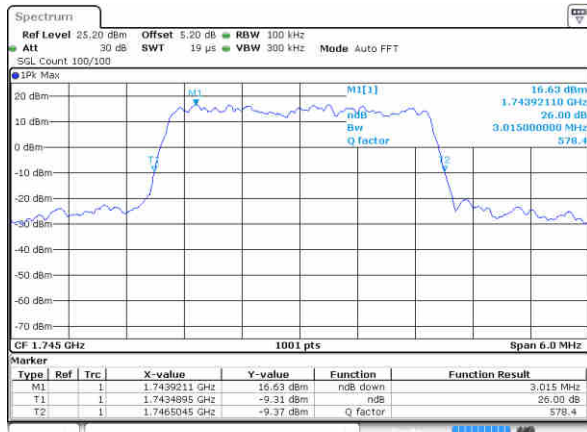
Date: 30 APR 2019 16:34:53

## Lowest Channel / 3MHz / 16QAM



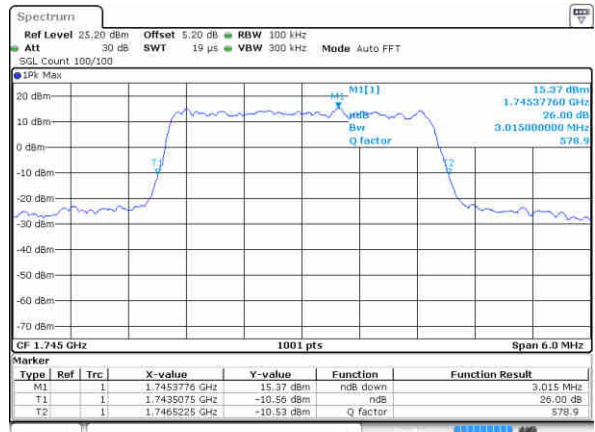
Date: 30 APR 2019 16:35:15

## Middle Channel / 3MHz / QPSK



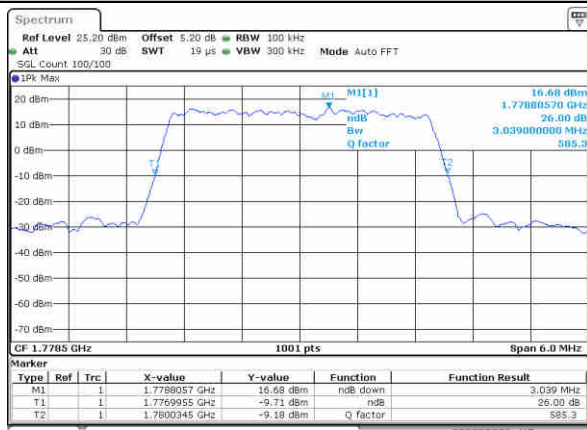
Date: 30 APR 2019 16:36:34

## Middle Channel / 3MHz / 16QAM



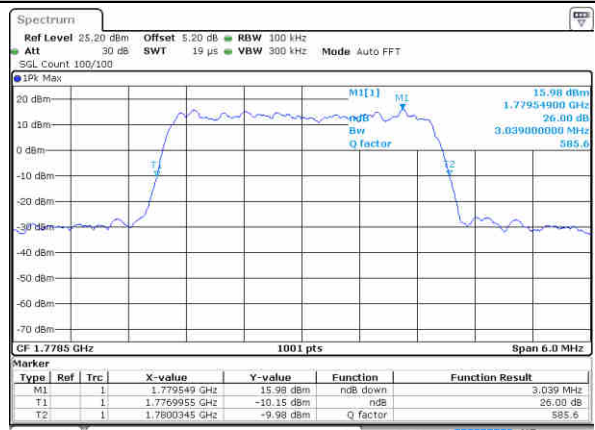
Date: 30 APR 2019 16:36:56

## Highest Channel / 3MHz / QPSK



Date: 30 APR 2019 16:40:08

## Highest Channel / 3MHz / 16QAM

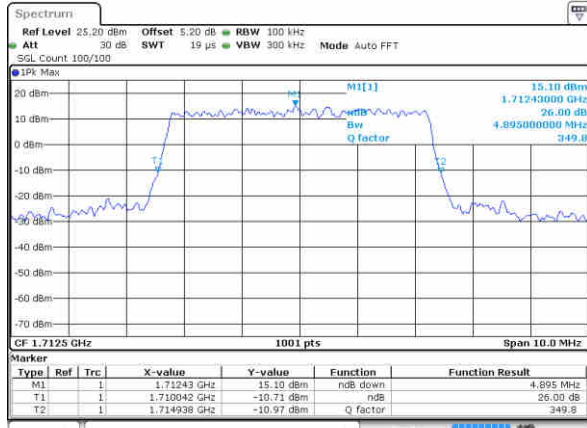


Date: 30 APR 2019 16:40:34



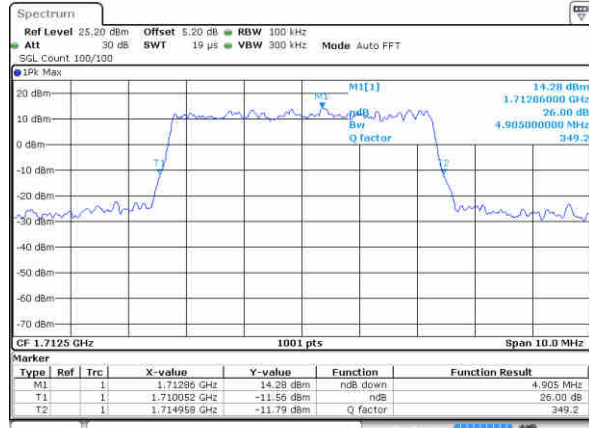
## LTE Band 66

## Lowest Channel / 5MHz / QPSK



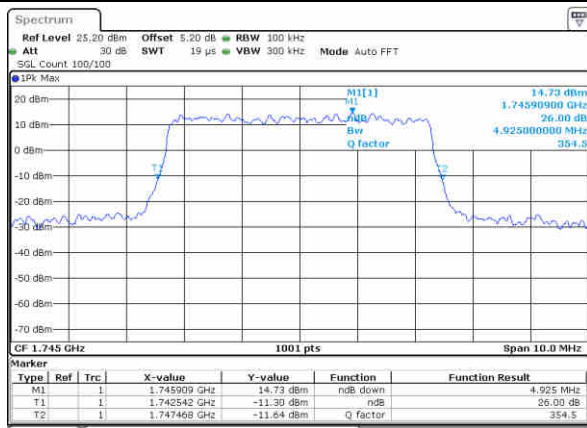
Date: 30 APR 2019 19:52:24

## Lowest Channel / 5MHz / 16QAM



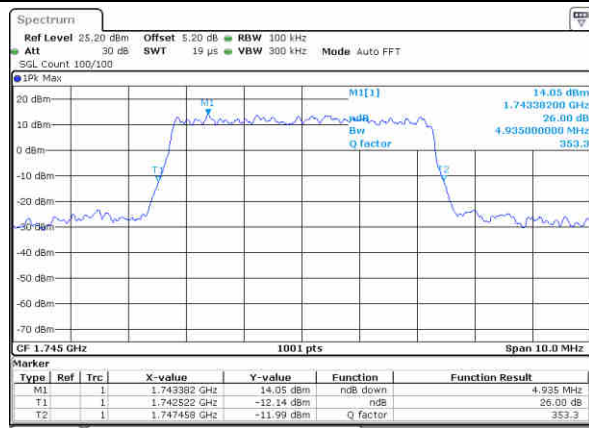
Date: 30 APR 2019 19:52:45

## Middle Channel / 5MHz / QPSK



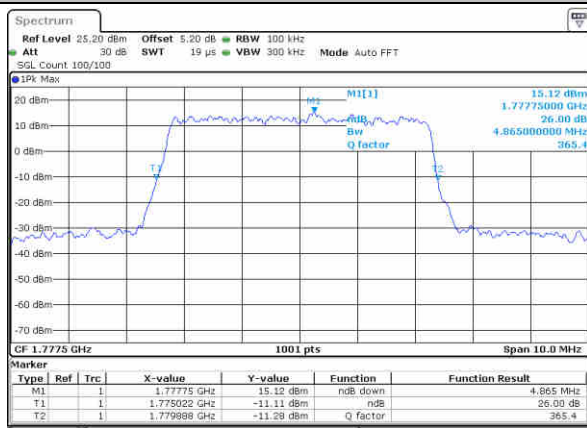
Date: 30 APR 2019 19:54:26

## Middle Channel / 5MHz / 16QAM



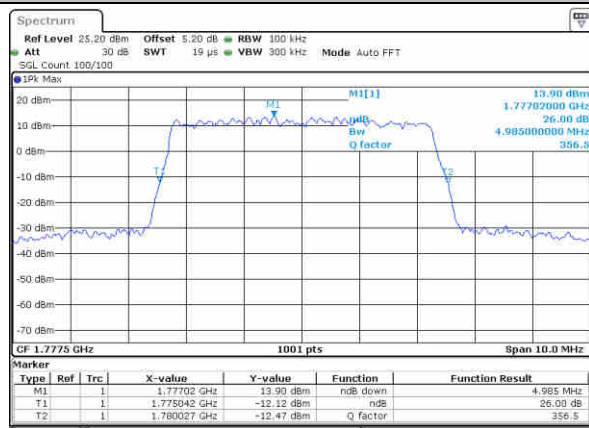
Date: 30 APR 2019 19:55:14

## Highest Channel / 5MHz / QPSK



Date: 30 APR 2019 19:56:42

## Highest Channel / 5MHz / 16QAM

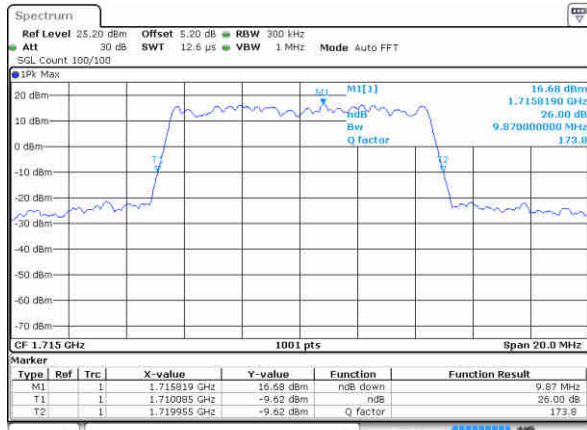


Date: 30 APR 2019 19:57:06



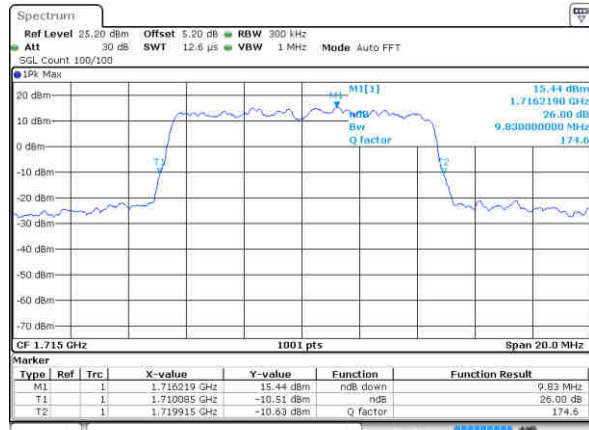
## LTE Band 66

## Lowest Channel / 10MHz / QPSK



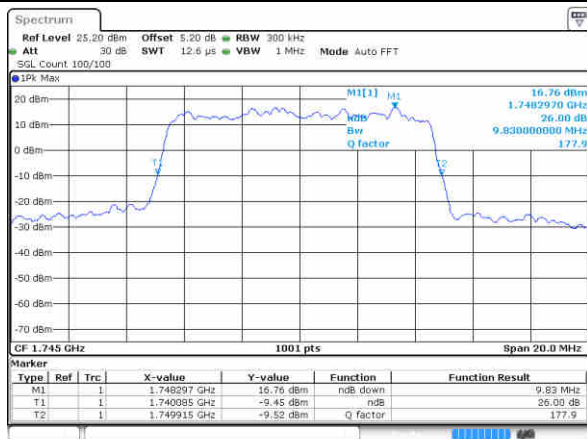
Date: 3 MAY 2019 08:43:54

## Lowest Channel / 10MHz / 16QAM



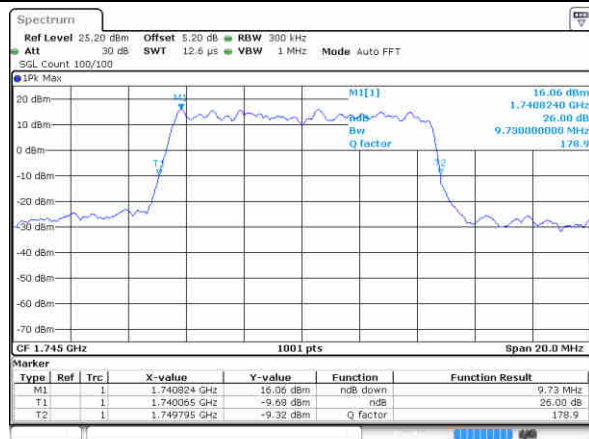
Date: 3 MAY 2019 08:44:21

## Middle Channel / 10MHz / QPSK



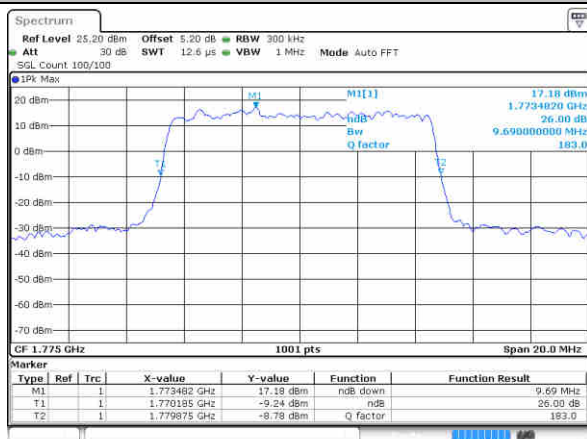
Date: 3 MAY 2019 08:46:02

## Middle Channel / 10MHz / 16QAM



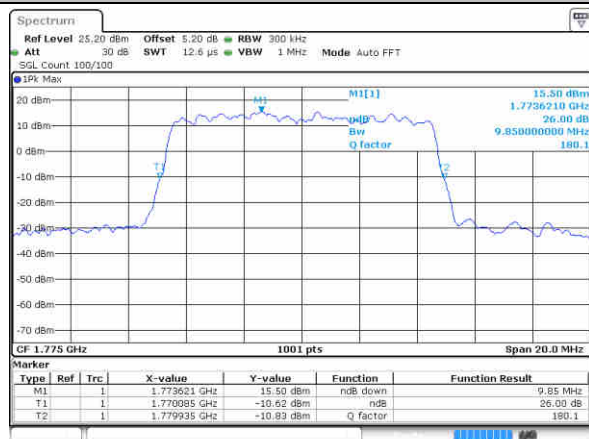
Date: 3 MAY 2019 08:46:27

## Highest Channel / 10MHz / QPSK



Date: 3 MAY 2019 08:47:46

## Highest Channel / 10MHz / 16QAM

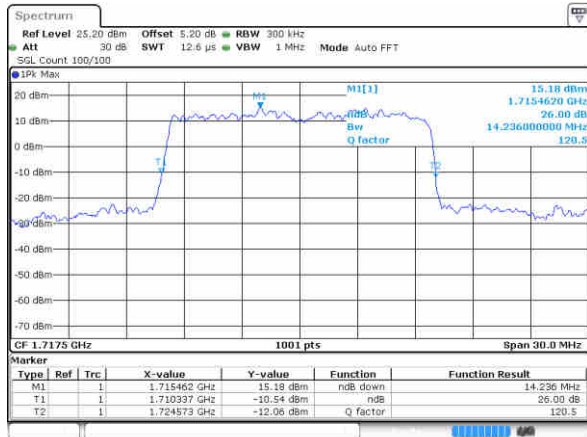


Date: 3 MAY 2019 08:48:11



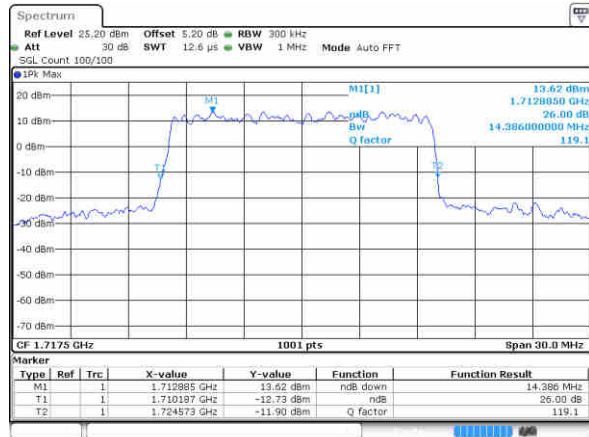
## LTE Band 66

## Lowest Channel / 15MHz / QPSK



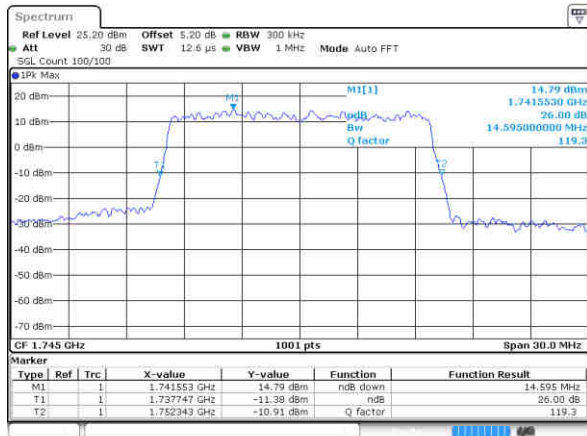
Date: 3 MAY 2019 09:14:08

## Lowest Channel / 15MHz / 16QAM



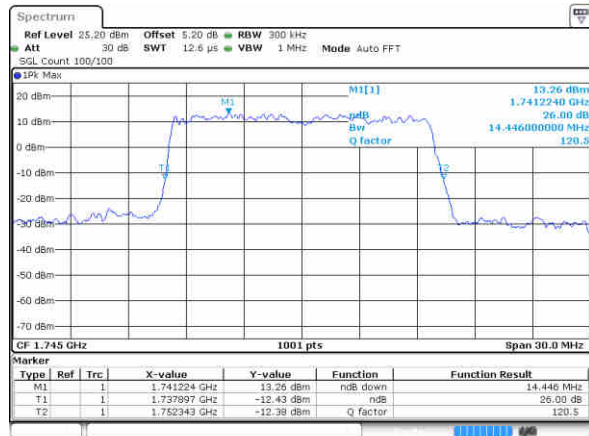
Date: 3 MAY 2019 09:14:36

## Middle Channel / 15MHz / QPSK



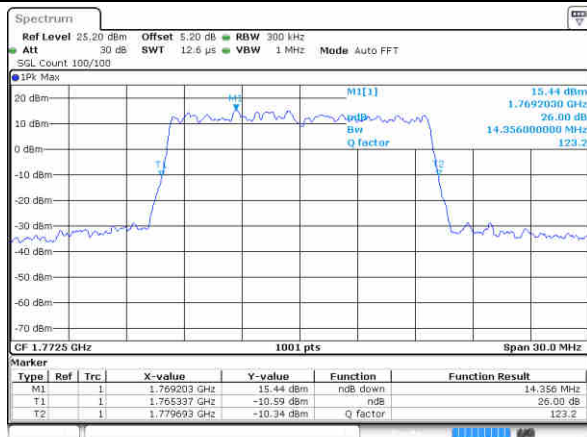
Date: 3 MAY 2019 09:15:40

## Middle Channel / 15MHz / 16QAM



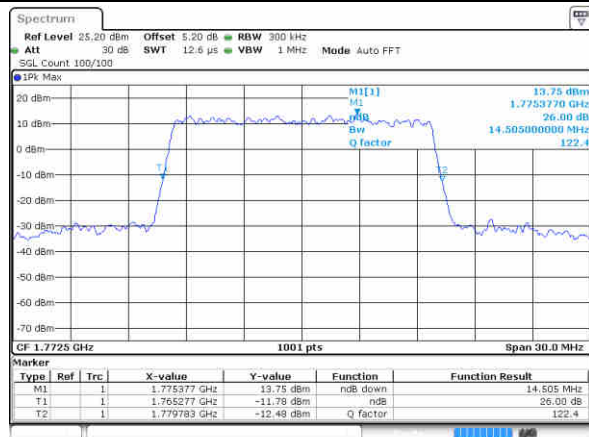
Date: 3 MAY 2019 09:16:04

## Highest Channel / 15MHz / QPSK



Date: 3 MAY 2019 09:17:14

## Highest Channel / 15MHz / 16QAM

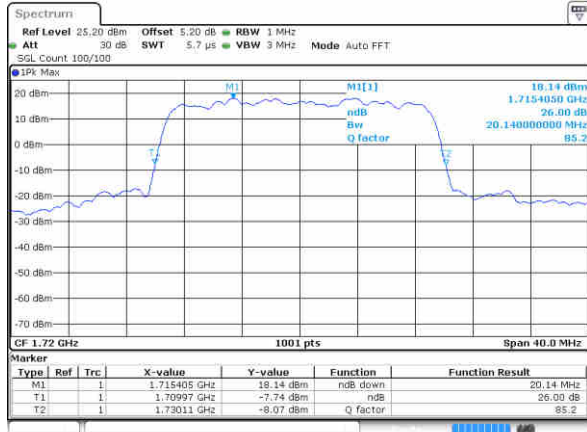


Date: 3 MAY 2019 09:17:38

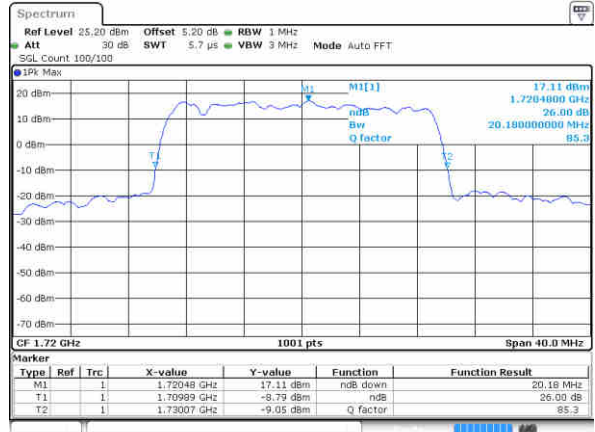


## LTE Band 66

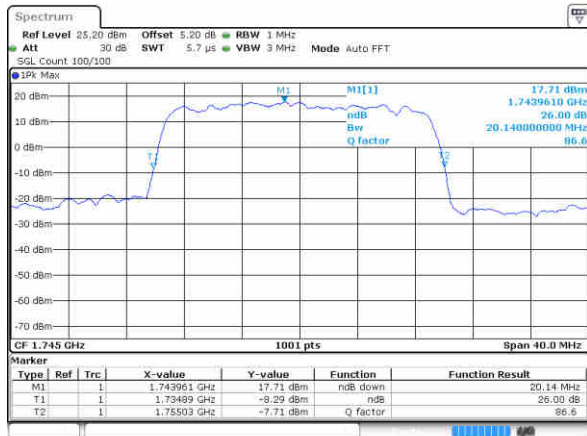
## Lowest Channel / 20MHz / QPSK



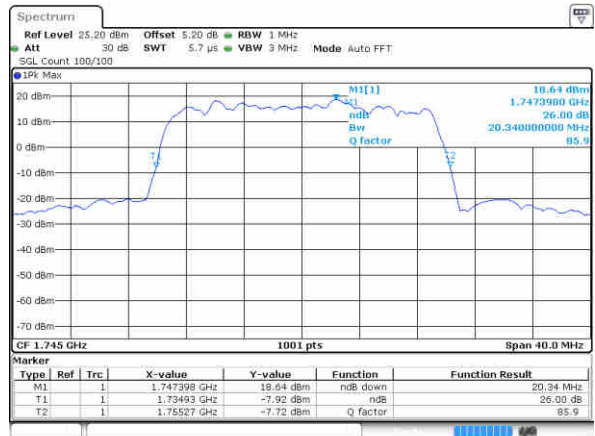
## Lowest Channel / 20MHz / 16QAM



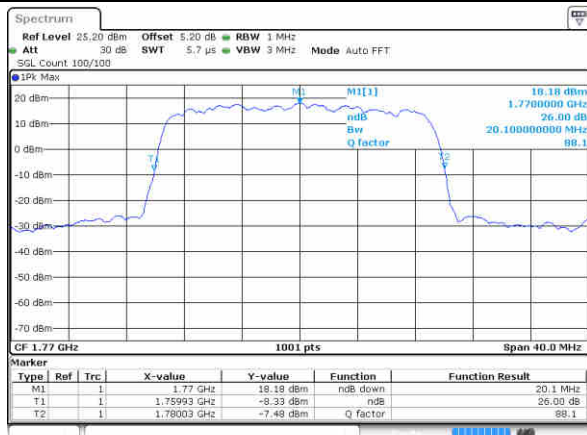
## Middle Channel / 20MHz / QPSK



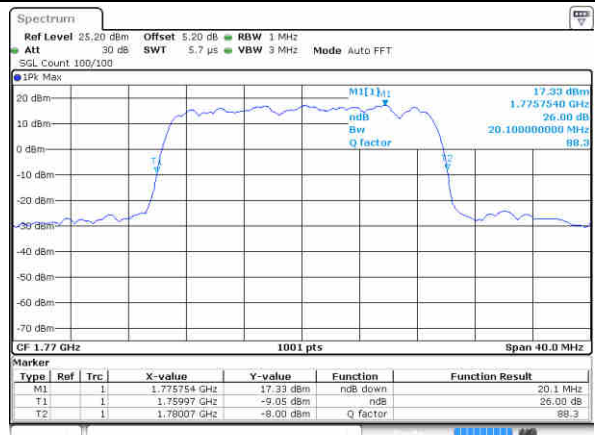
## Middle Channel / 20MHz / 16QAM



## 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 | 2.71  | 4.96 | 4.49  | 9.01  | 8.97  | 13.34 | 13.40 | 18.42 | 18.22 |
| Middle CH  | 1.09                     | 1.10  | 2.74 | 2.73  | 4.50 | 4.50  | 8.99  | 9.01  | 13.37 | 13.46 | 18.38 | 18.38 |
| Highest CH | 1.09                     | 1.09  | 2.73 | 2.71  | 4.52 | 4.49  | 9.05  | 9.03  | 13.43 | 13.34 | 18.18 | 18.30 |

| 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  | 1.11                     | 1.09  | 2.70 | 2.72  | 4.50 | 4.48  | 9.01  | 9.05  |       |       |       |       |
| Middle CH  | 1.09                     | 1.09  | 2.70 | 2.72  | 4.48 | 4.51  | 8.99  | 8.93  |       |       |       |       |
| Highest CH | 1.10                     | 1.10  | 2.71 | 2.73  | 4.51 | 4.50  | 8.99  | 8.99  |       |       |       |       |

| Mode       | LTE Band 7 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  |                          |       |      |       | 4.49 | 4.50  | 9.07  | 9.05  | 13.52 | 13.46 | 18.30 | 18.58 |
| Middle CH  |                          |       |      |       | 4.50 | 4.50  | 9.09  | 8.97  | 13.40 | 13.46 | 18.18 | 18.38 |
| Highest CH |                          |       |      |       | 4.52 | 4.51  | 9.01  | 8.97  | 13.40 | 13.49 | 18.18 | 18.38 |

| Mode       | LTE Band 12 : 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 | 2.72  | 4.50 | 4.49  | 8.99  | 9.01  |       |       |       |       |
| Middle CH  | 1.10                      | 1.09  | 2.70 | 2.72  | 4.50 | 4.51  | 9.01  | 9.01  |       |       |       |       |
| Highest CH | 1.09                      | 1.10  | 2.70 | 2.72  | 4.49 | 4.51  | 9.07  | 9.01  |       |       |       |       |



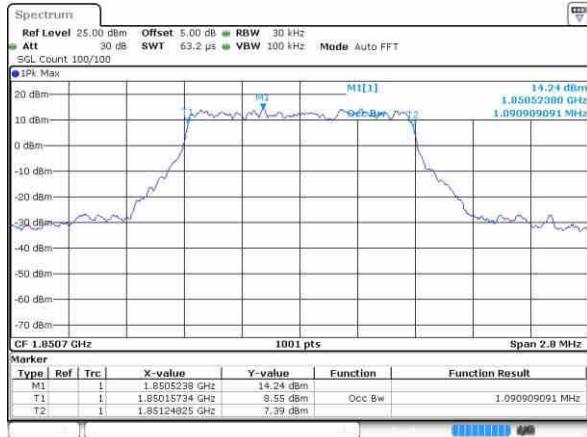
| Mode       | LTE Band 13 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  |                           |       |      |       | 4.50 | 4.50  |       |       |       |       |       |       |
| Middle CH  |                           |       |      |       | 4.49 | 4.49  | 8.97  | 8.99  |       |       |       |       |
| Highest CH |                           |       |      |       | 4.51 | 4.51  |       |       |       |       |       |       |

| Mode       | LTE Band 66 : 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  | 2.73 | 2.70  | 4.51 | 4.48  | 9.01  | 9.05  | 13.40 | 13.40 | 18.30 | 18.34 |
| Middle CH  | 1.11                      | 1.10  | 2.71 | 2.70  | 4.50 | 4.49  | 8.99  | 9.01  | 13.40 | 13.46 | 18.14 | 18.22 |
| Highest CH | 1.10                      | 1.10  | 2.73 | 2.71  | 4.50 | 4.50  | 9.01  | 9.05  | 13.37 | 13.43 | 18.22 | 18.30 |

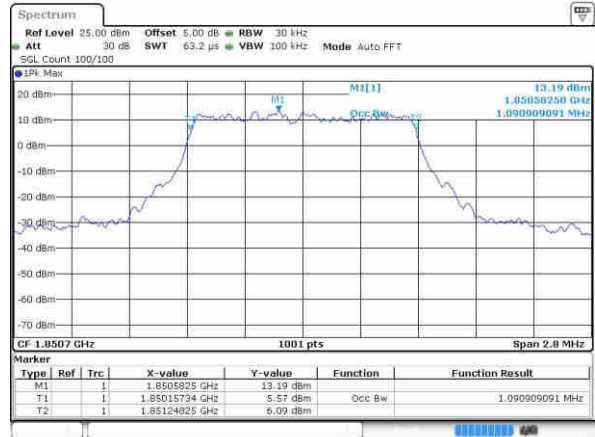


## LTE Band 2

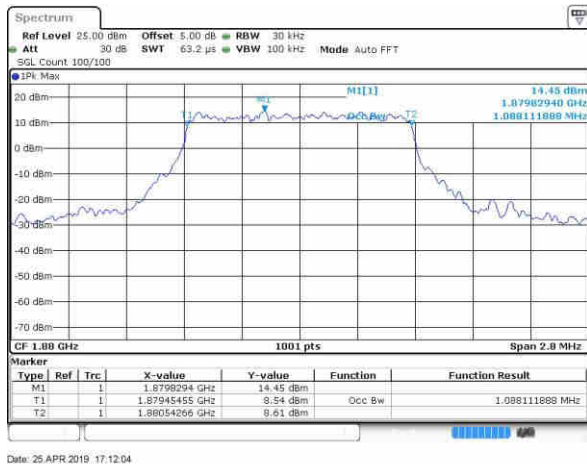
## Lowest Channel / 1.4MHz / QPSK



## Lowest Channel / 1.4MHz / 16QAM



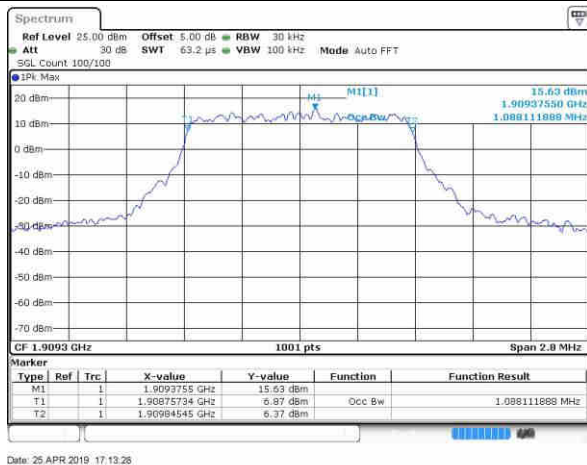
## Middle Channel / 1.4MHz / QPSK



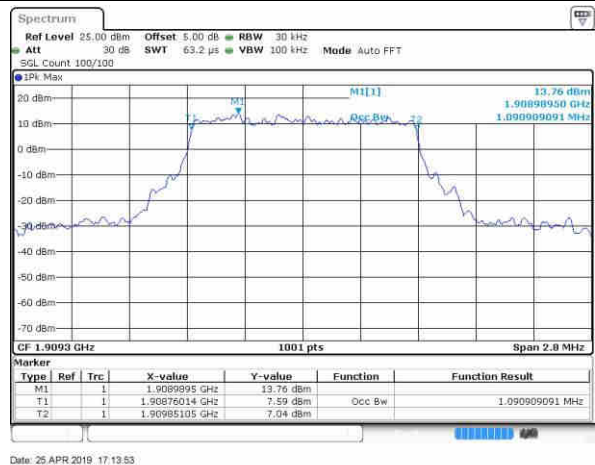
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



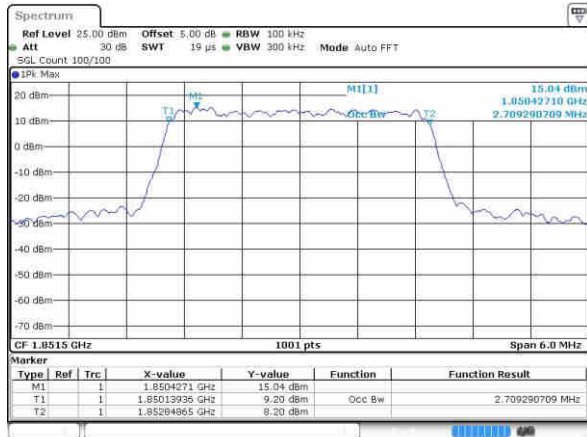
## Highest Channel / 1.4MHz / 16QAM



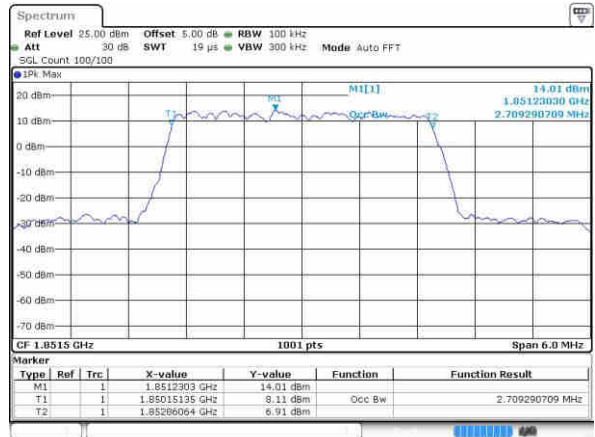


## LTE Band 2

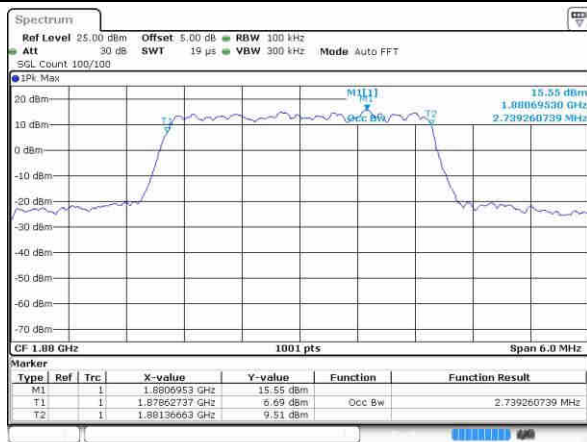
## Lowest Channel / 3MHz / QPSK



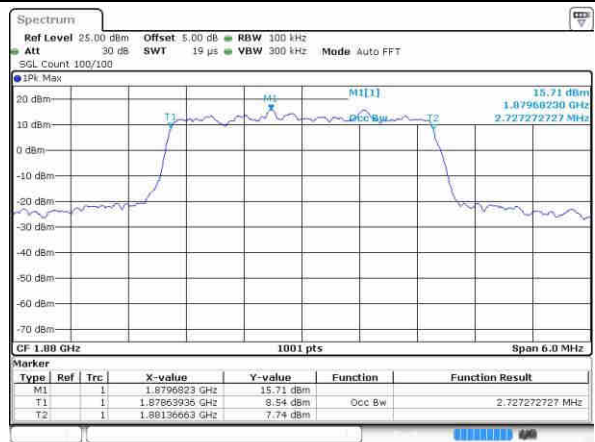
## Lowest Channel / 3MHz / 16QAM



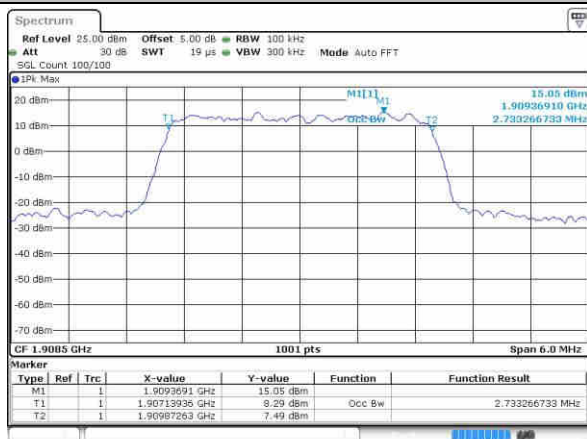
## Middle Channel / 3MHz / QPSK



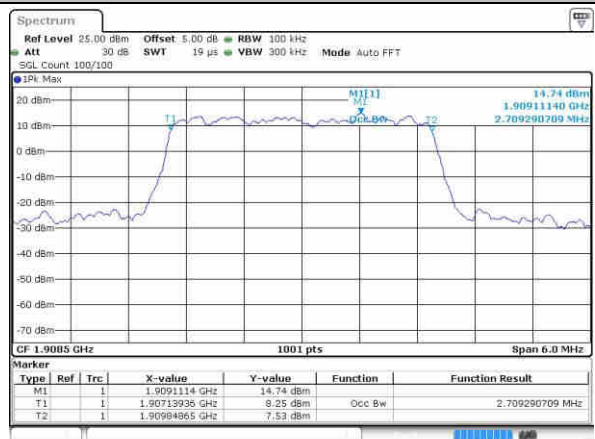
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



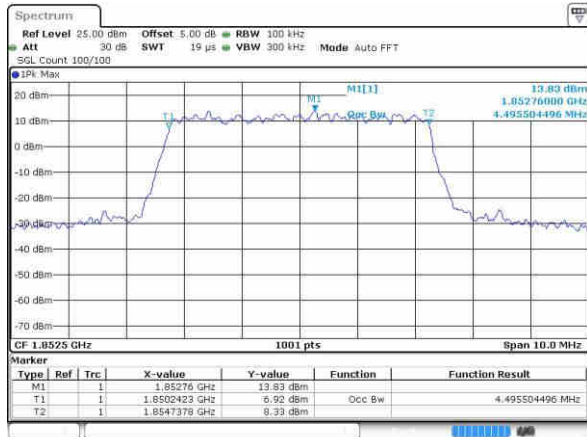
## Highest Channel / 3MHz / 16QAM



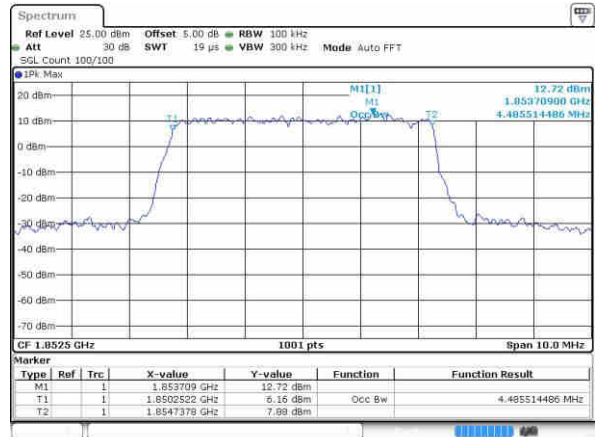


## LTE Band 2

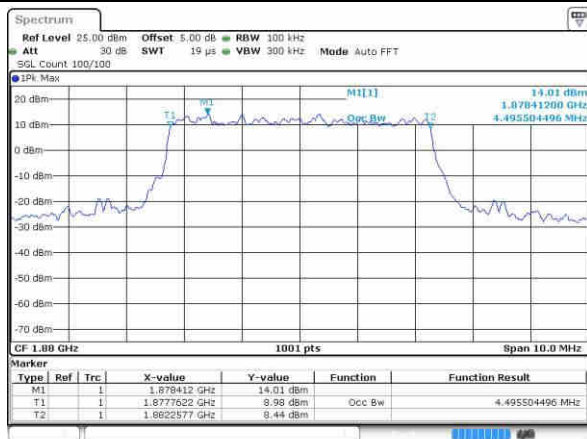
## Lowest Channel / 5MHz / QPSK



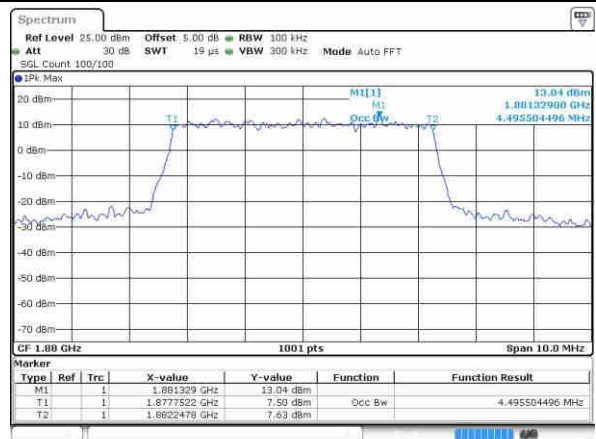
## Lowest Channel / 5MHz / 16QAM



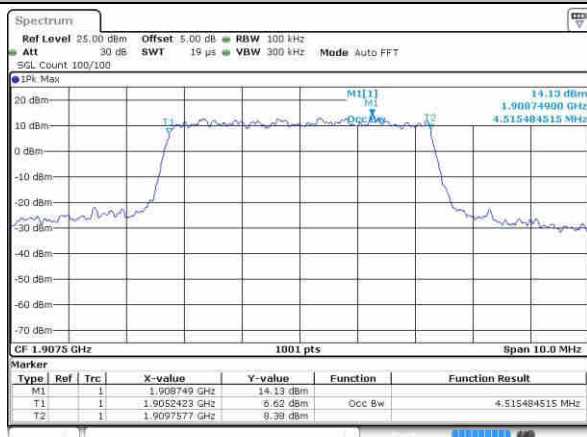
## Middle Channel / 5MHz / QPSK



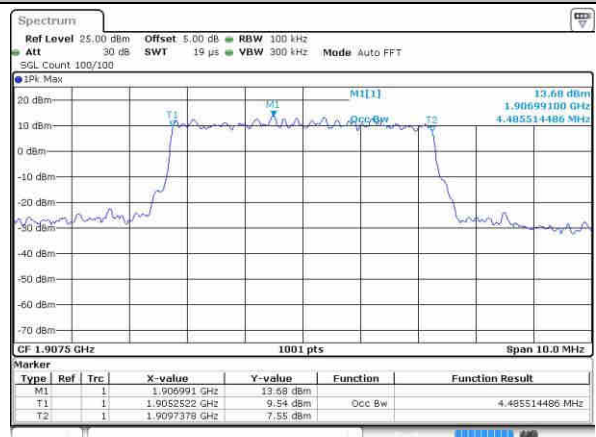
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



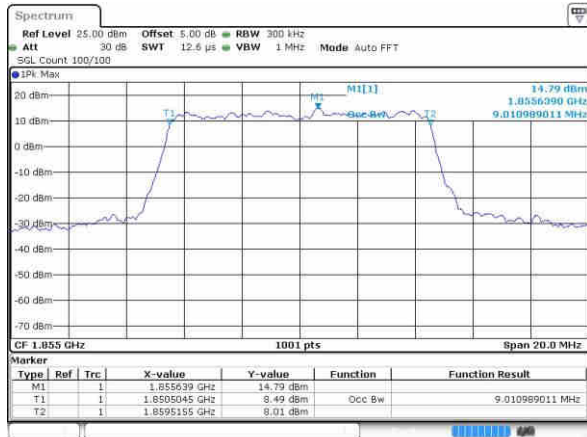
## Highest Channel / 5MHz / 16QAM





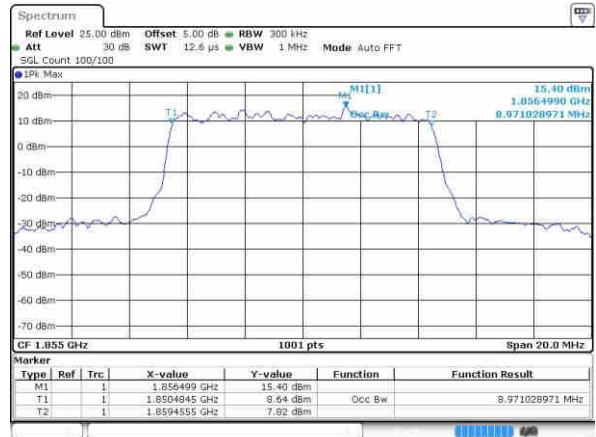
## LTE Band 2

## Lowest Channel / 10MHz / QPSK



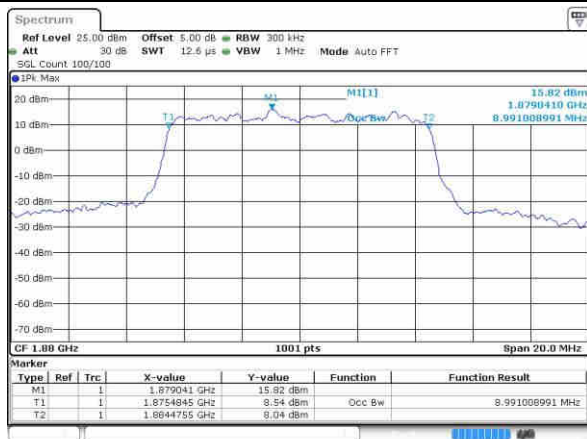
Date: 25 APR 2019 17:44:24

## Lowest Channel / 10MHz / 16QAM



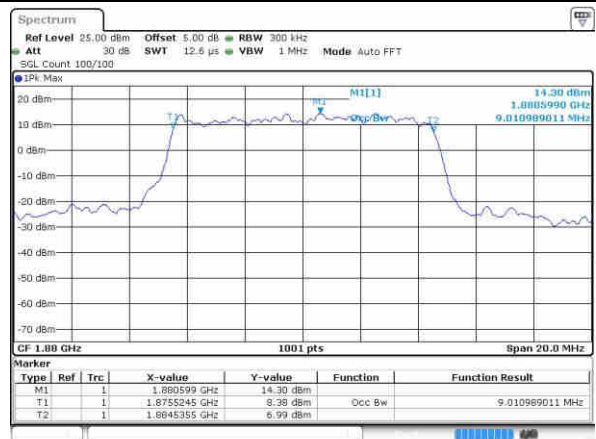
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## Middle Channel / 10MHz / QPSK



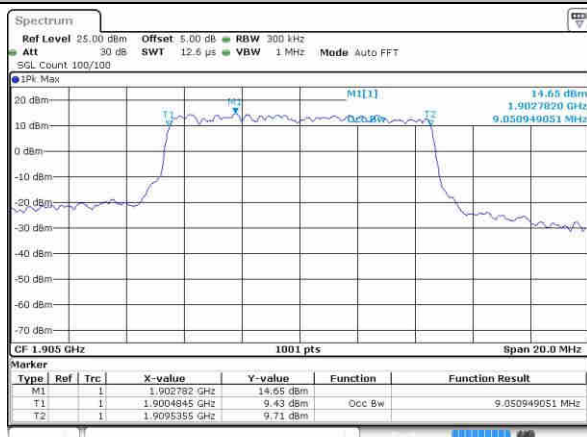
Date: 25 APR 2019 17:49:03

## Middle Channel / 10MHz / 16QAM



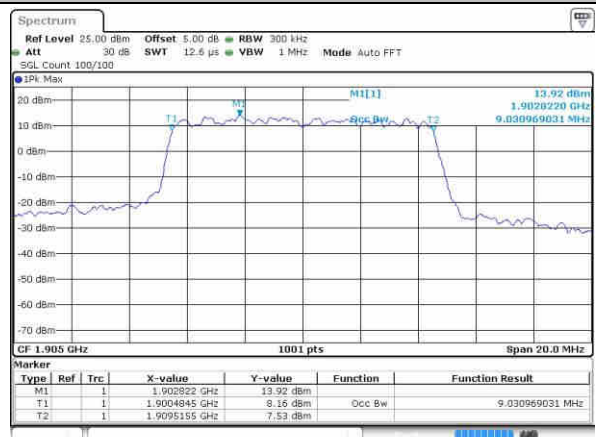
Date: 25 APR 2019 17:49:15

## Highest Channel / 10MHz / QPSK



Date: 25 APR 2019 17:49:48

## Highest Channel / 10MHz / 16QAM

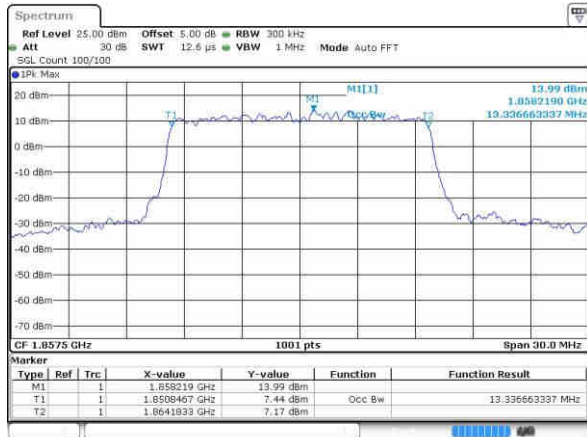


Date: 25 APR 2019 17:50:00

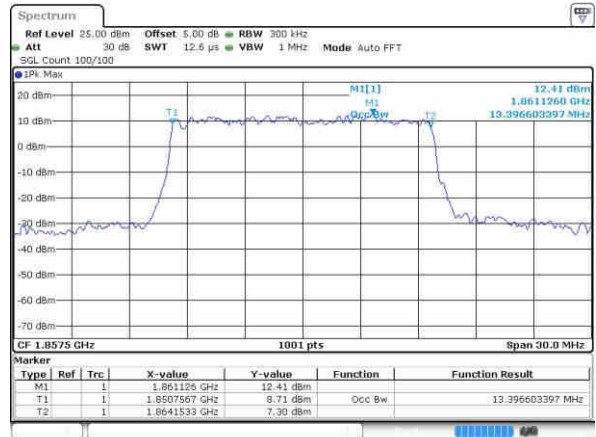


## LTE Band 2

## Lowest Channel / 15MHz / QPSK



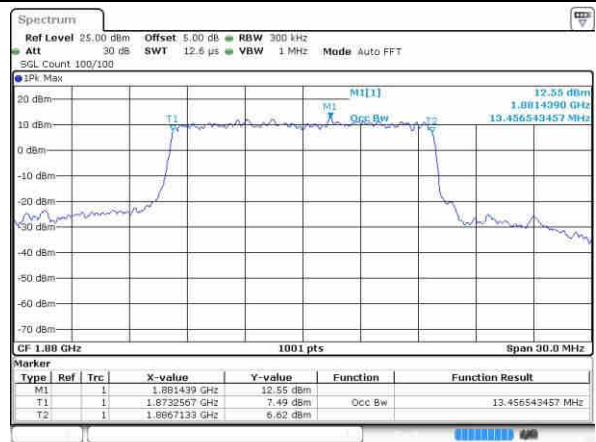
## Lowest Channel / 15MHz / 16QAM



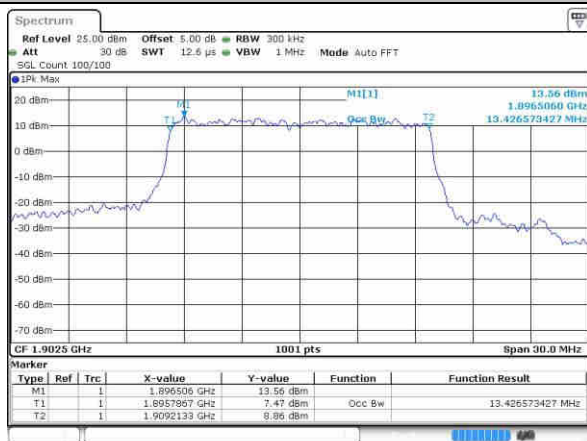
## Middle Channel / 15MHz / QPSK



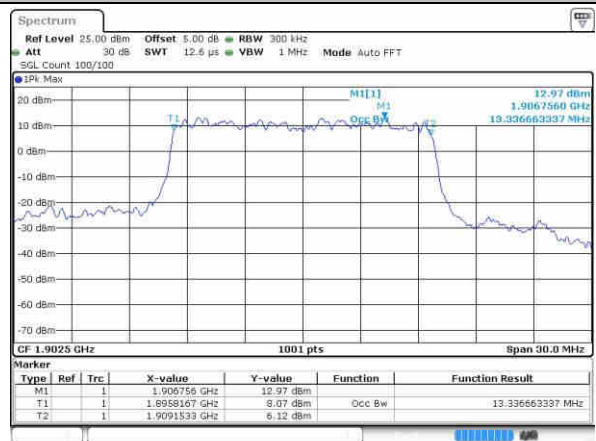
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



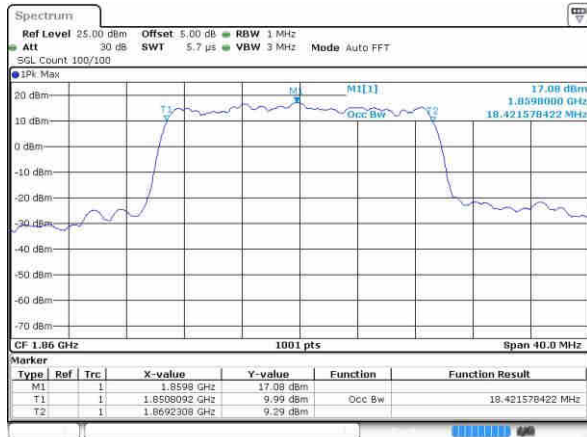
## Highest Channel / 15MHz / 16QAM



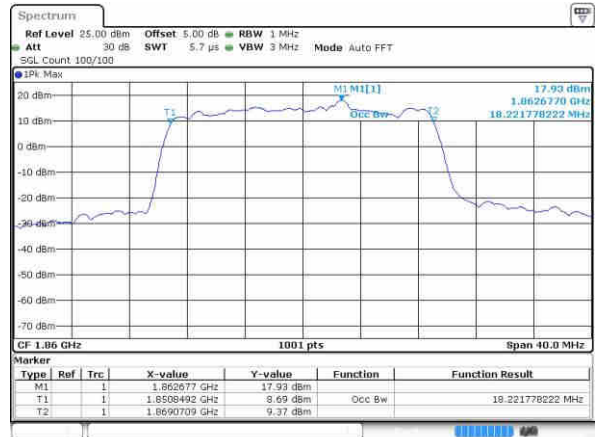


## LTE Band 2

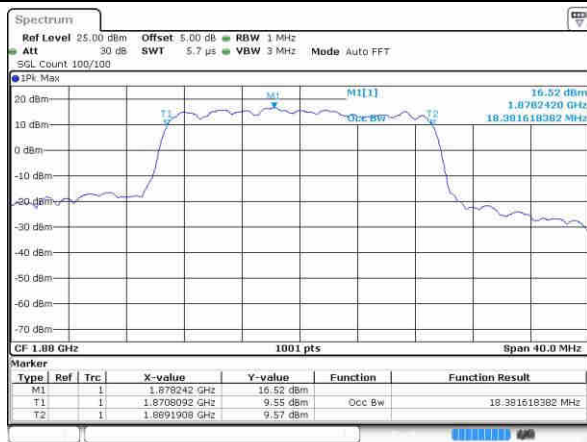
## Lowest Channel / 20MHz / QPSK



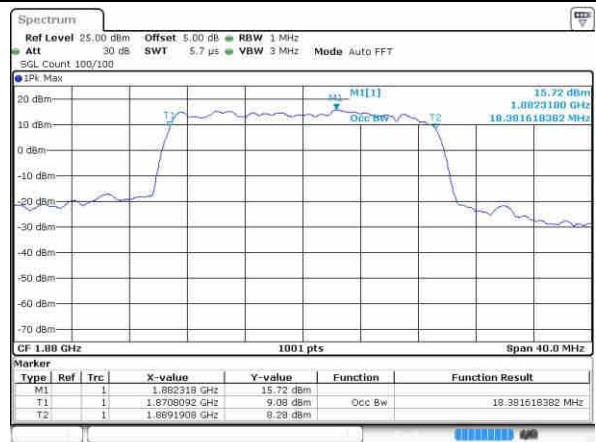
## Lowest Channel / 20MHz / 16QAM



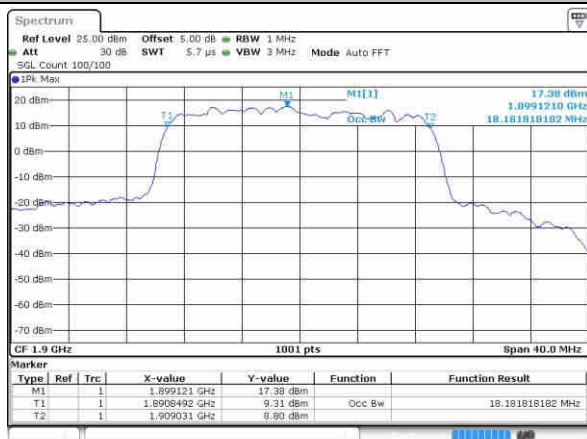
## Middle Channel / 20MHz / QPSK



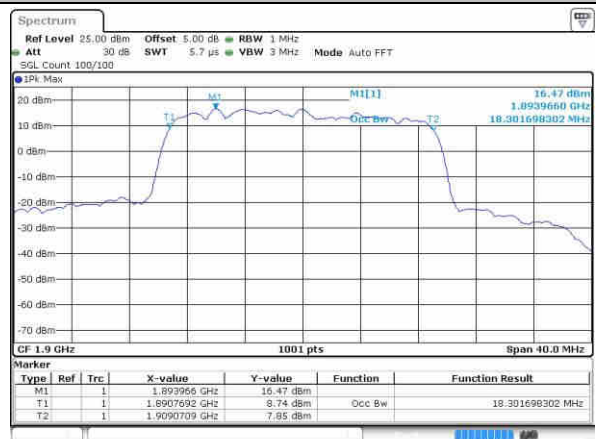
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



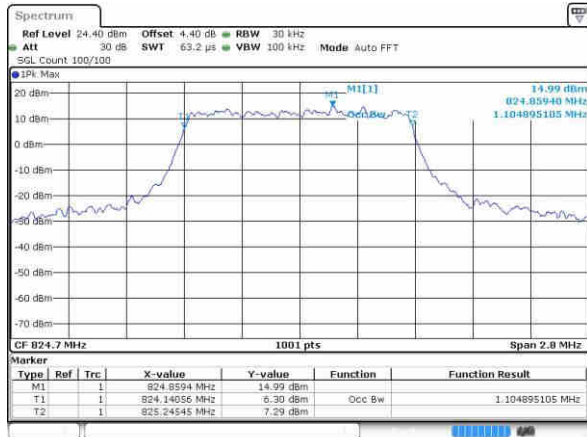
## Highest Channel / 20MHz / 16QAM



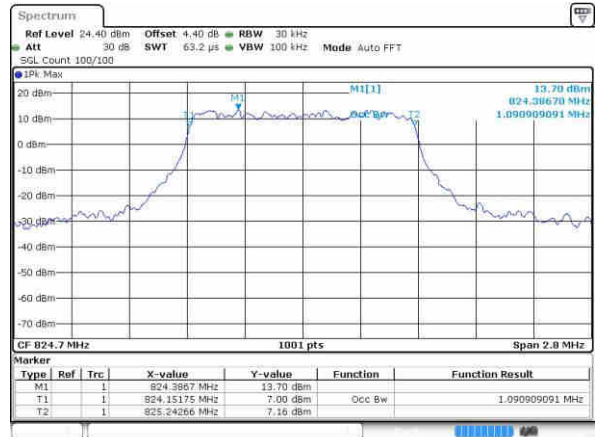


## LTE Band 5

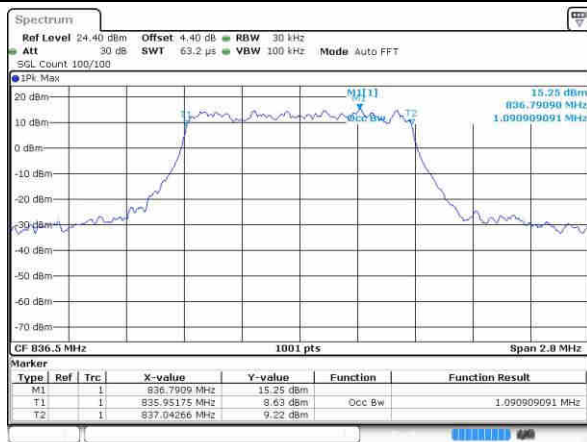
## Lowest Channel / 1.4MHz / QPSK



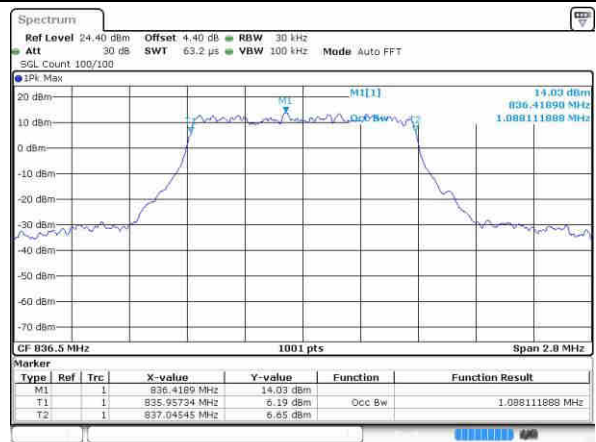
## Lowest Channel / 1.4MHz / 16QAM



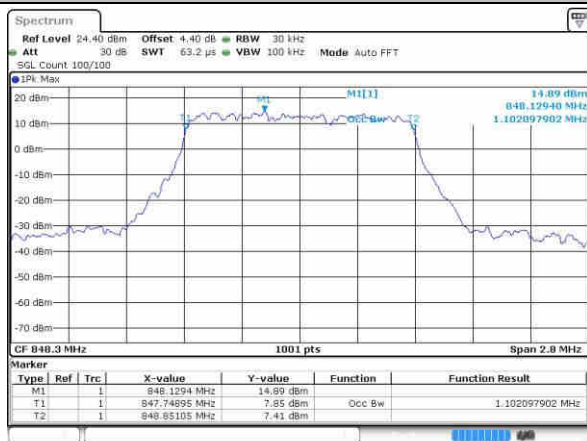
## Middle Channel / 1.4MHz / QPSK



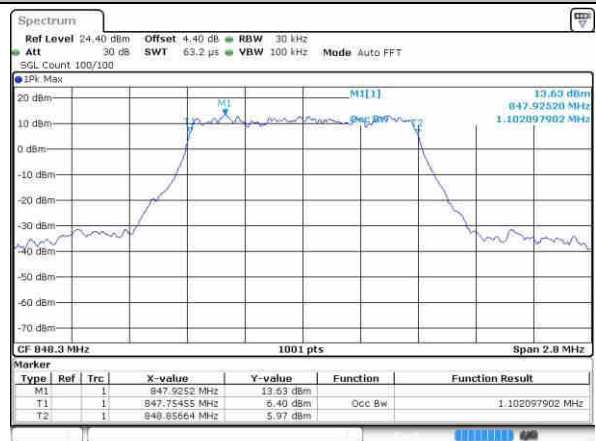
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



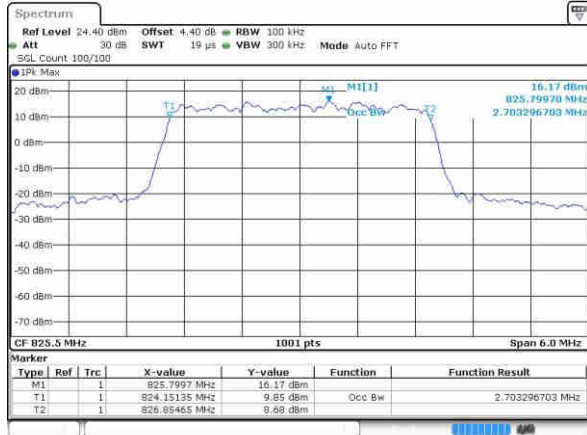
## Highest Channel / 1.4MHz / 16QAM



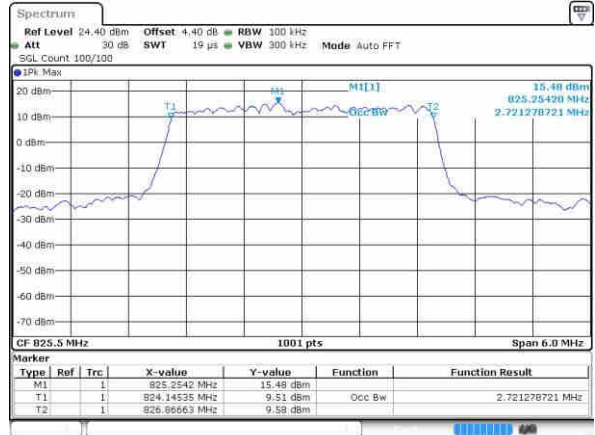


## LTE Band 5

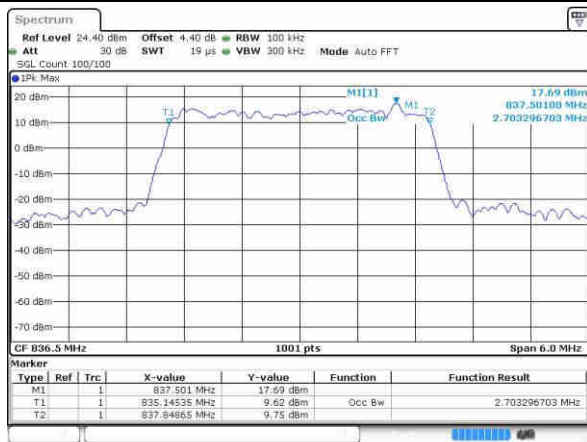
## Lowest Channel / 3MHz / QPSK



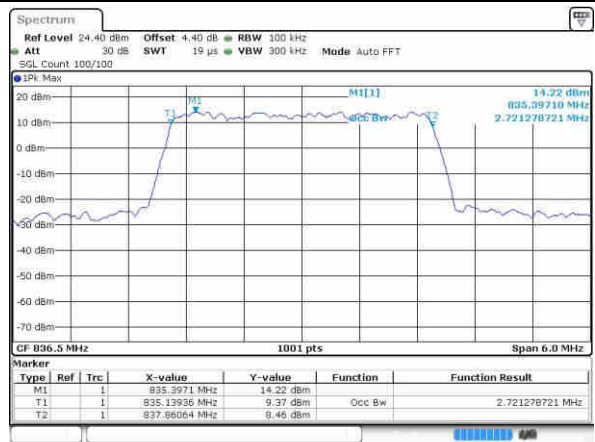
## Lowest Channel / 3MHz / 16QAM



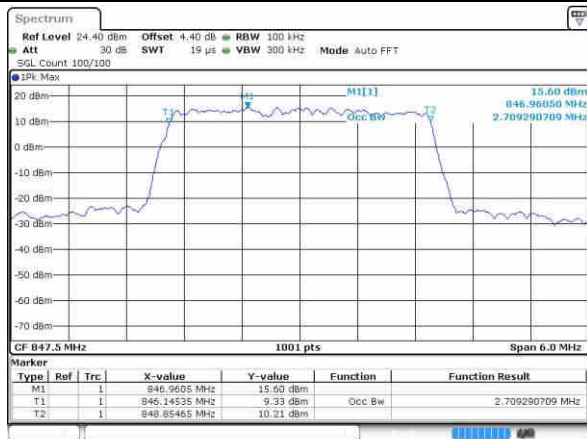
## Middle Channel / 3MHz / QPSK



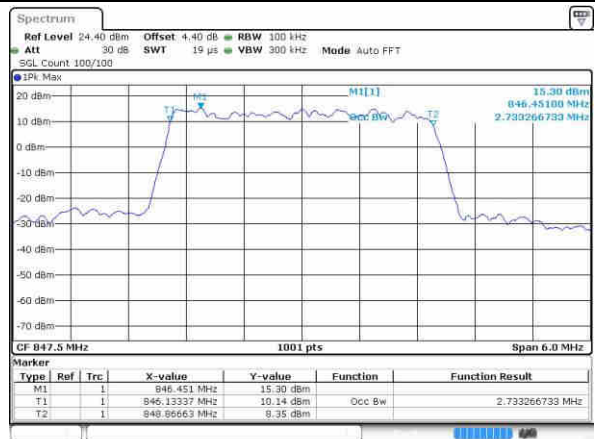
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



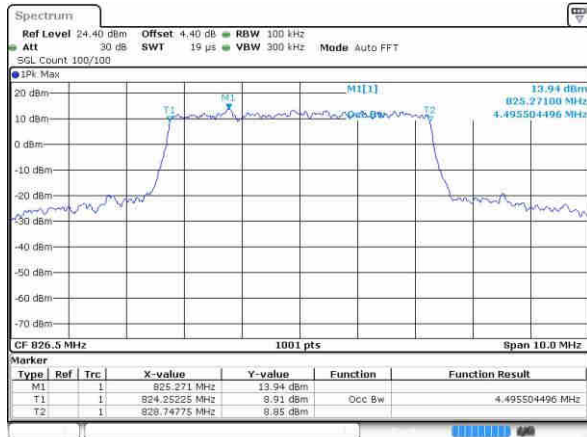
## Highest Channel / 3MHz / 16QAM



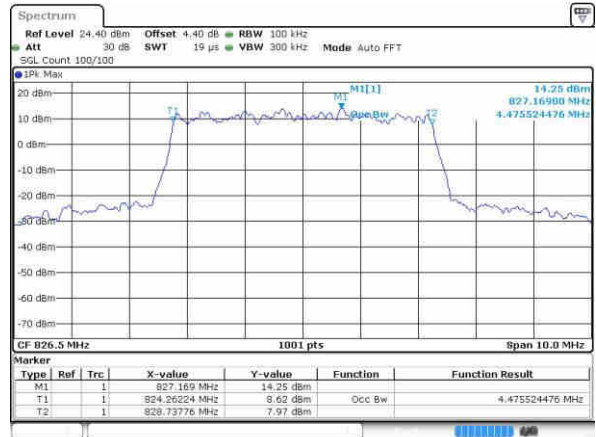


## LTE Band 5

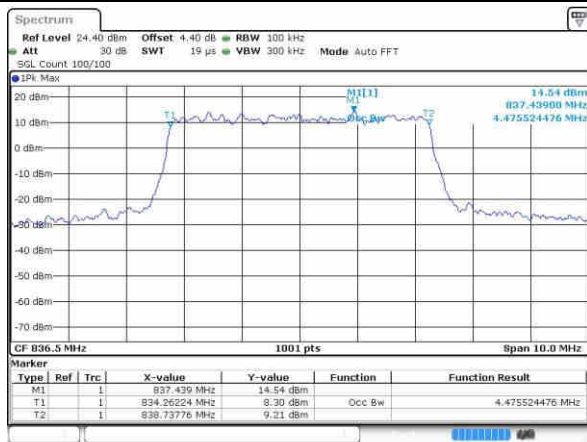
## Lowest Channel / 5MHz / QPSK



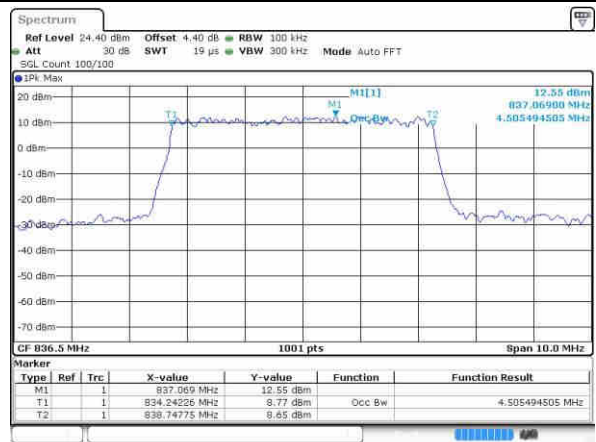
## Lowest Channel / 5MHz / 16QAM



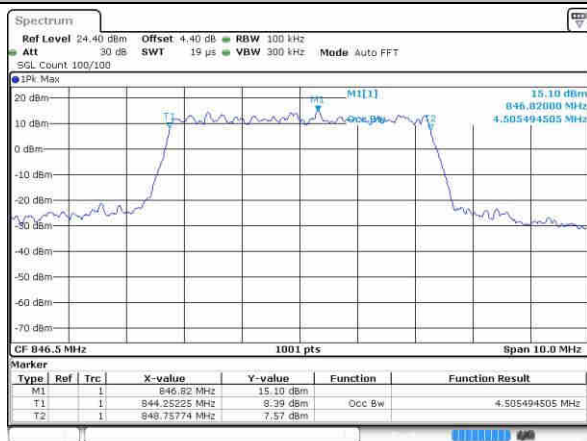
## Middle Channel / 5MHz / QPSK



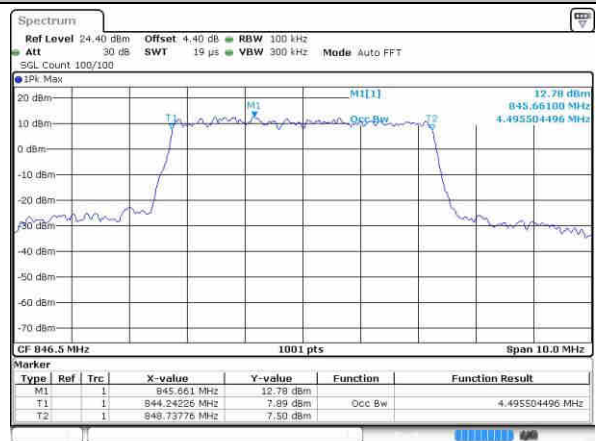
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



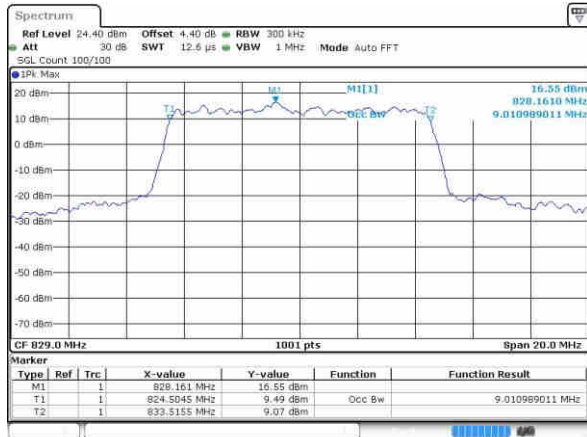
## Highest Channel / 5MHz / 16QAM



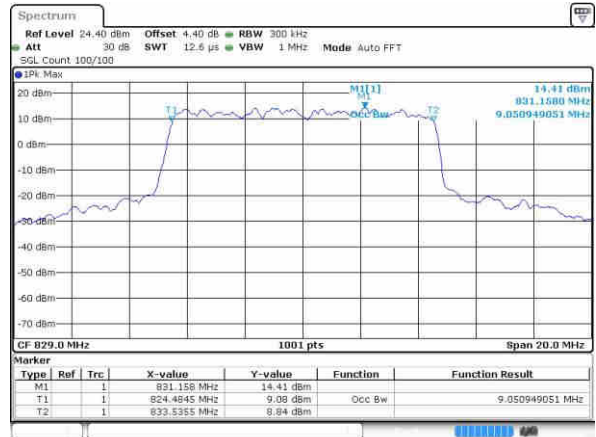


## LTE Band 5

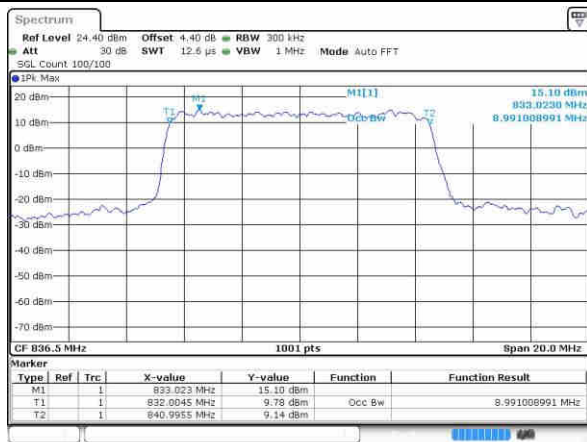
## Lowest Channel / 10MHz / QPSK



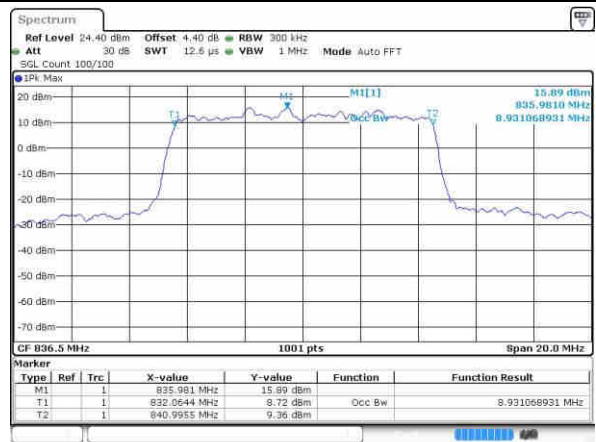
## Lowest Channel / 10MHz / 16QAM



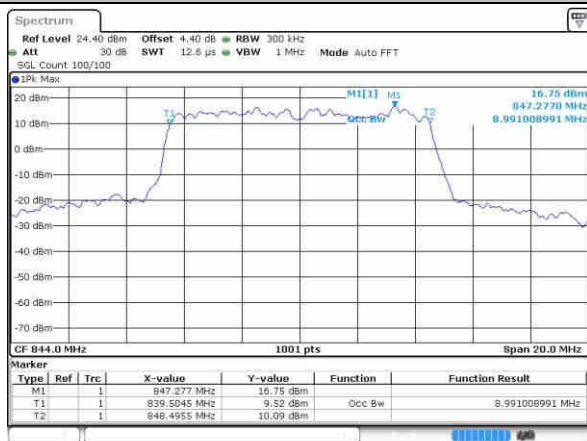
## Middle Channel / 10MHz / QPSK



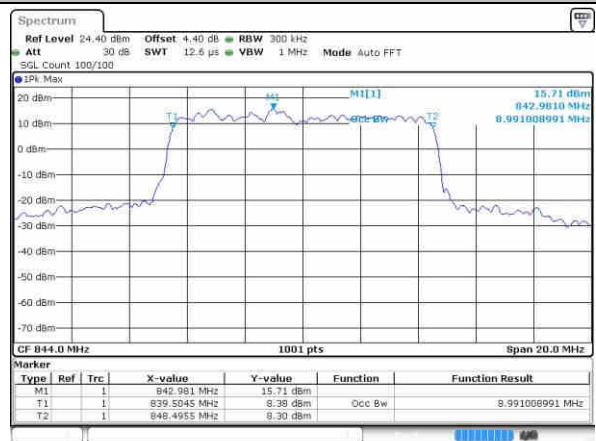
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



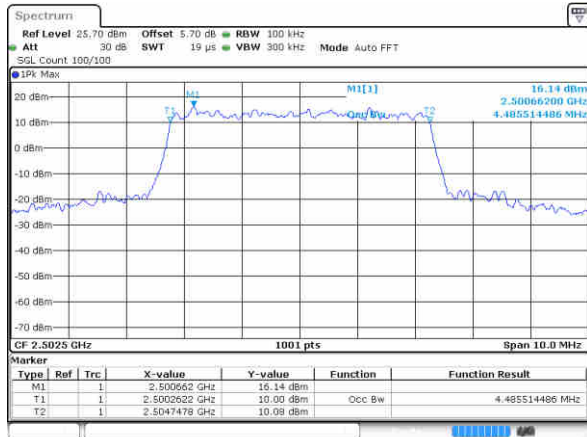
## Highest Channel / 10MHz / 16QAM



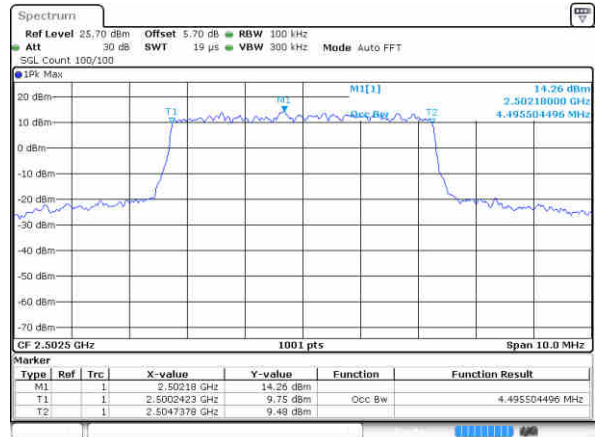


## LTE Band 7

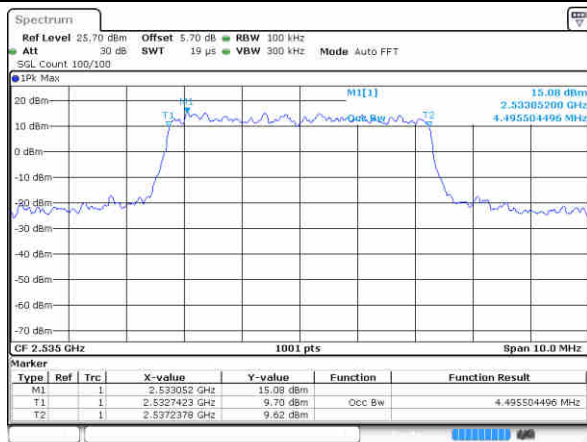
## Lowest Channel / 5MHz / QPSK



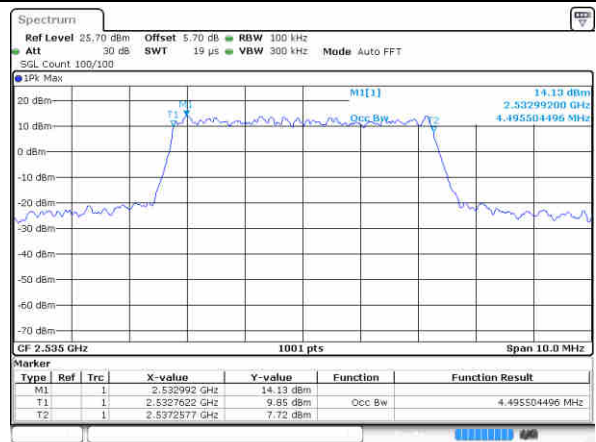
## Lowest Channel / 5MHz / 16QAM



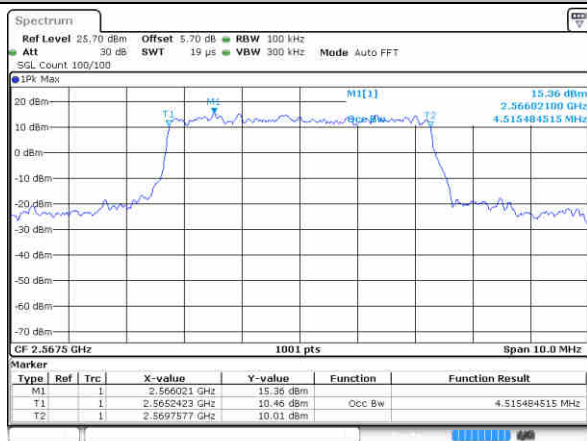
## Middle Channel / 5MHz / QPSK



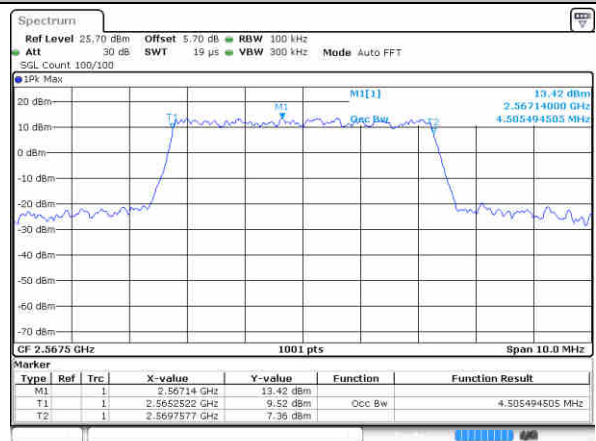
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



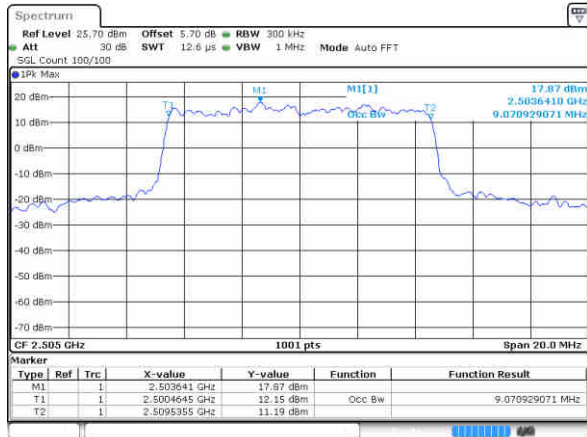
## Highest Channel / 5MHz / 16QAM





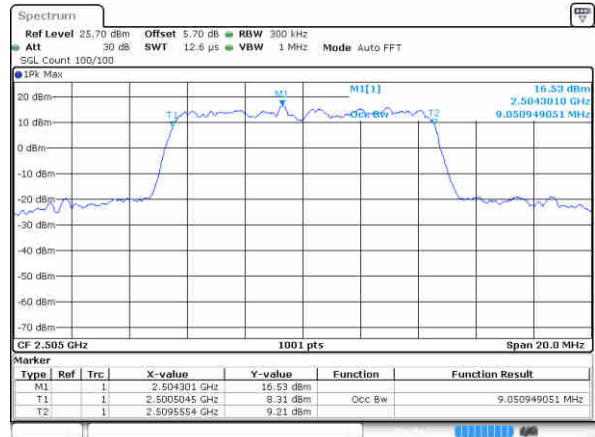
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



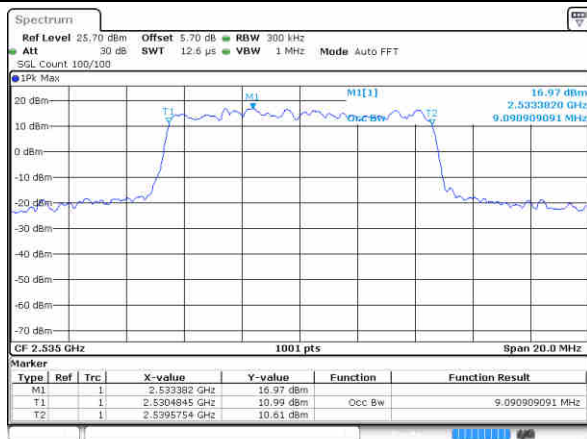
Date: 30 APR 2019 09:37:45

## Lowest Channel / 10MHz / 16QAM



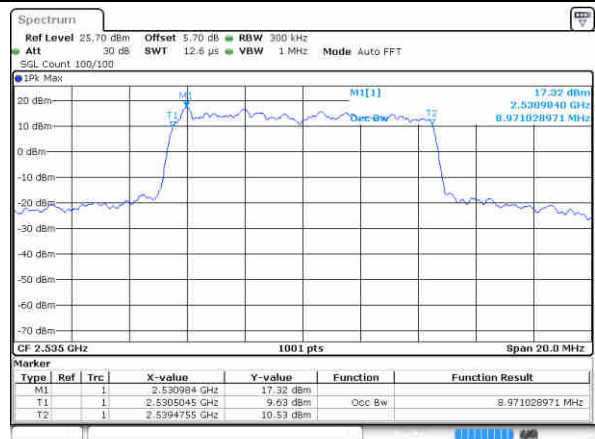
Date: 30 APR 2019 09:38:05

## Middle Channel / 10MHz / QPSK



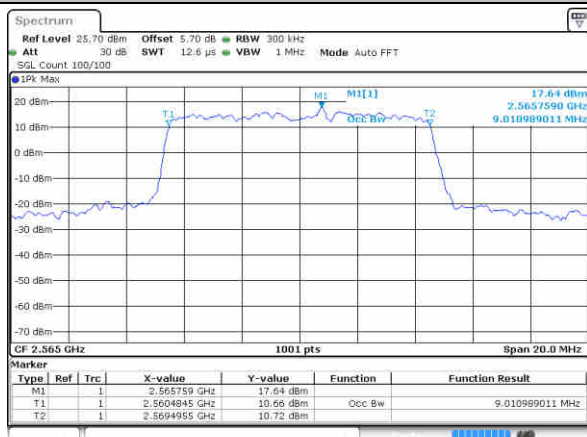
Date: 30 APR 2019 09:38:45

## Middle Channel / 10MHz / 16QAM



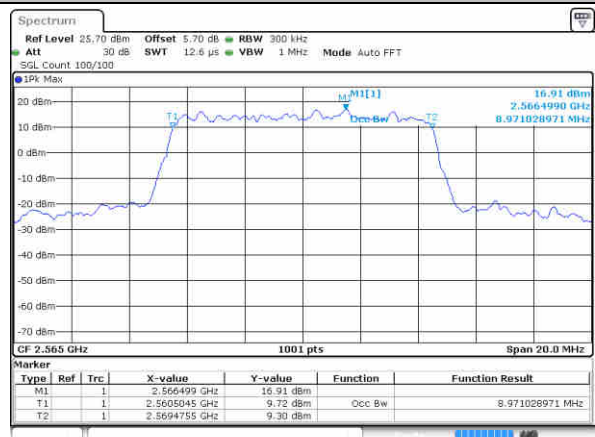
Date: 30 APR 2019 09:38:25

## Highest Channel / 10MHz / QPSK



Date: 30 APR 2019 09:39:05

## Highest Channel / 10MHz / 16QAM

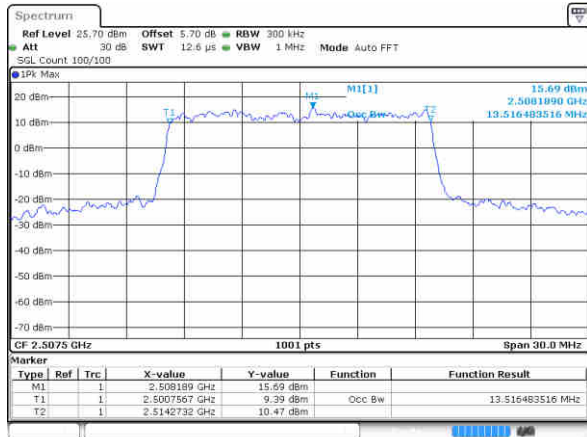


Date: 30 APR 2019 09:39:25

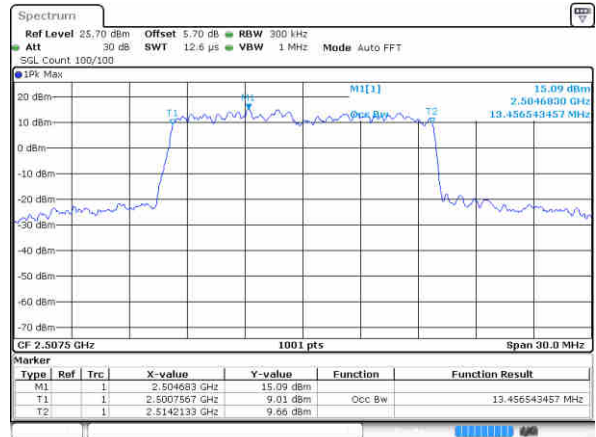


## LTE Band 7

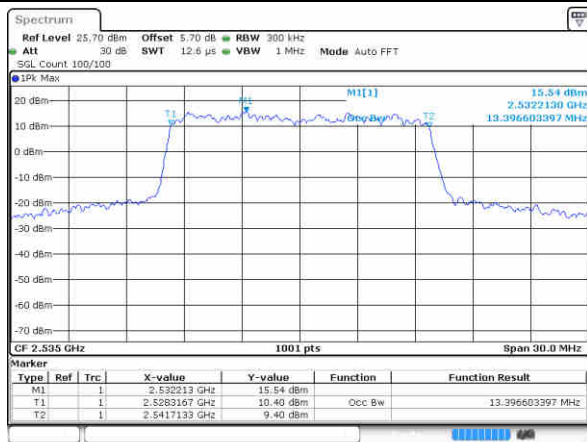
## Lowest Channel / 15MHz / QPSK



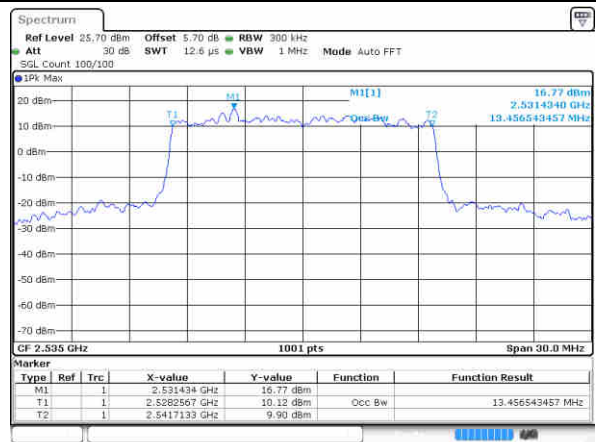
## Lowest Channel / 15MHz / 16QAM



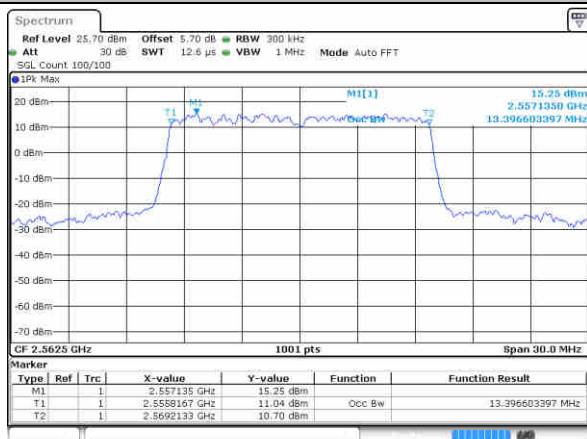
## Middle Channel / 15MHz / QPSK



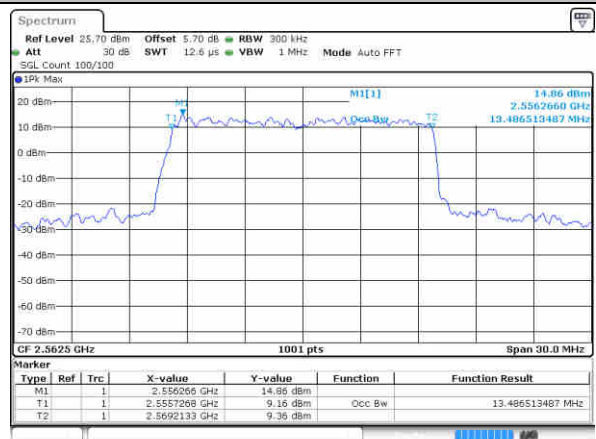
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



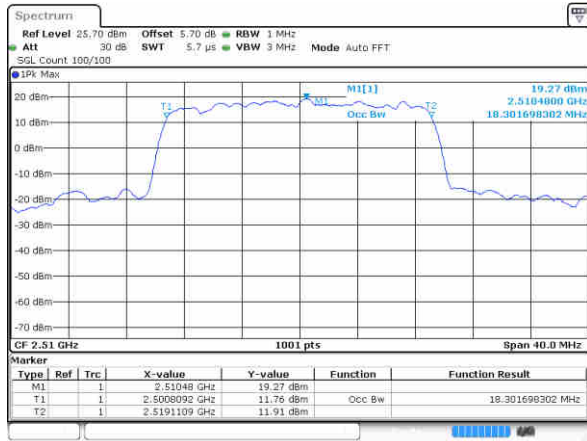
## Highest Channel / 15MHz / 16QAM



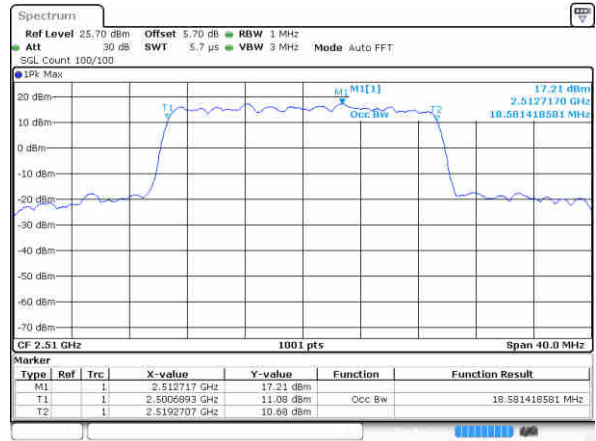


## LTE Band 7

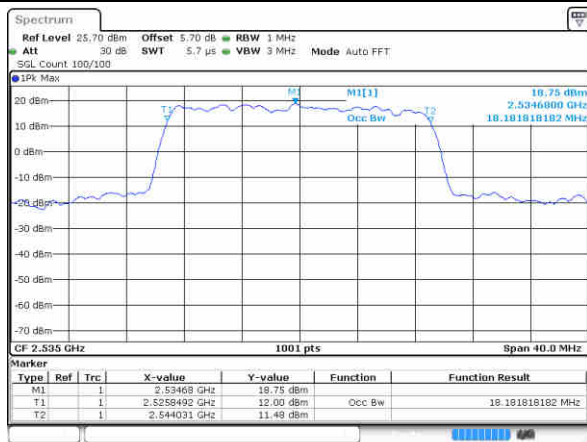
## Lowest Channel / 20MHz / QPSK



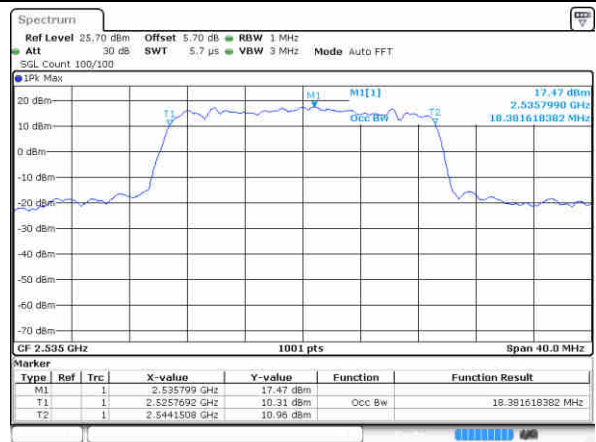
## Lowest Channel / 20MHz / 16QAM



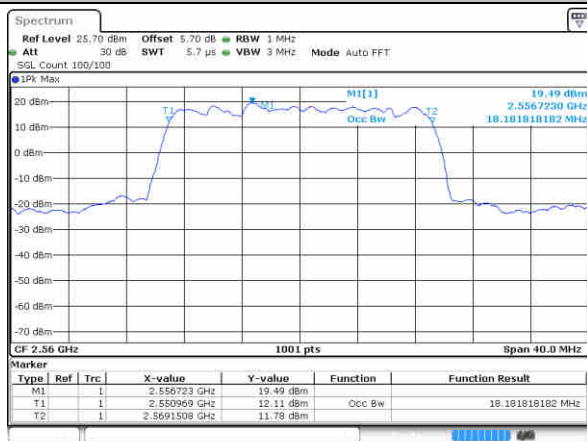
## Middle Channel / 20MHz / QPSK



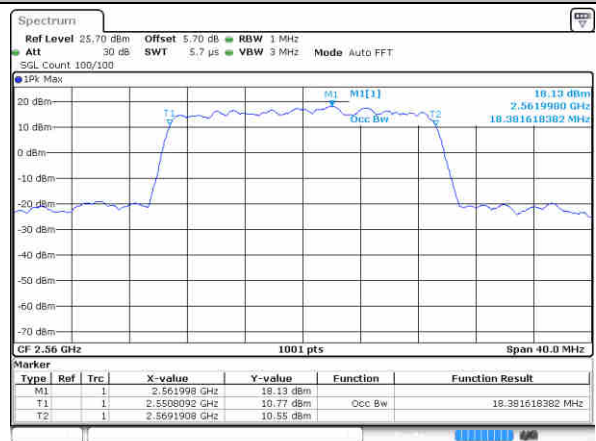
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



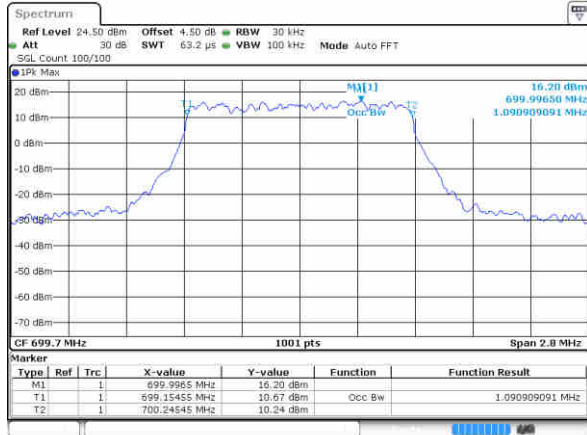
## Highest Channel / 20MHz / 16QAM



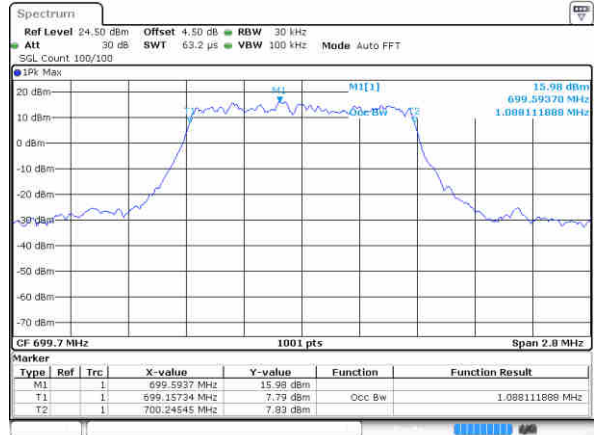


## LTE Band 12

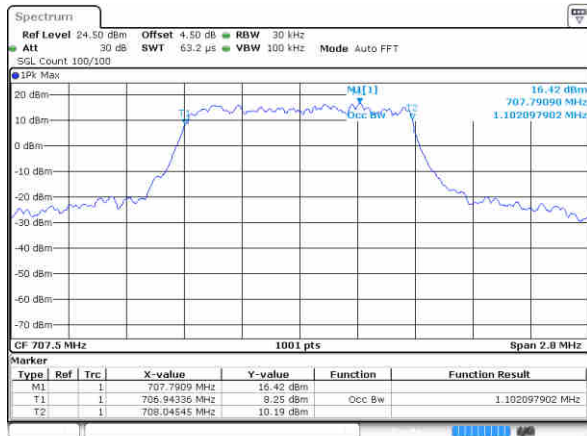
## Lowest Channel / 1.4MHz / QPSK



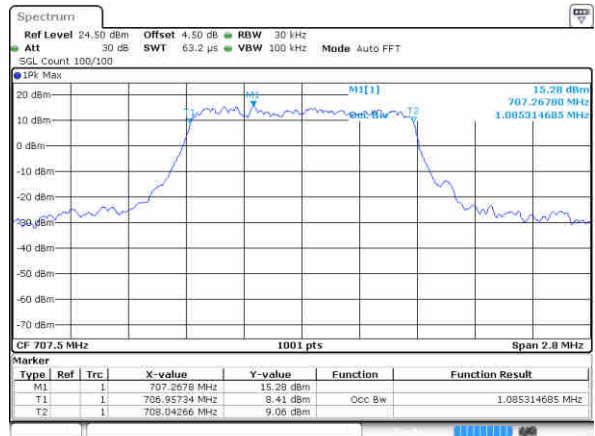
## Lowest Channel / 1.4MHz / 16QAM



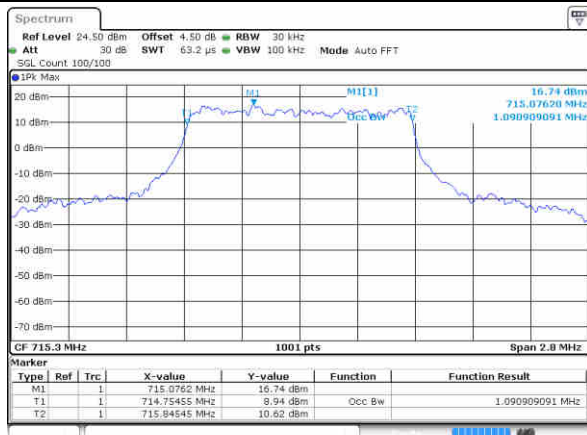
## Middle Channel / 1.4MHz / QPSK



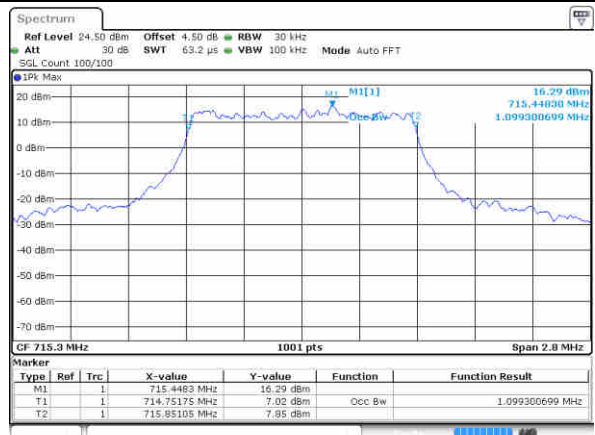
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



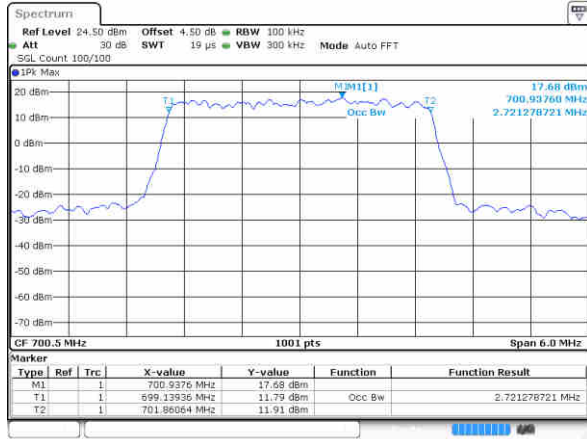
## Highest Channel / 1.4MHz / 16QAM



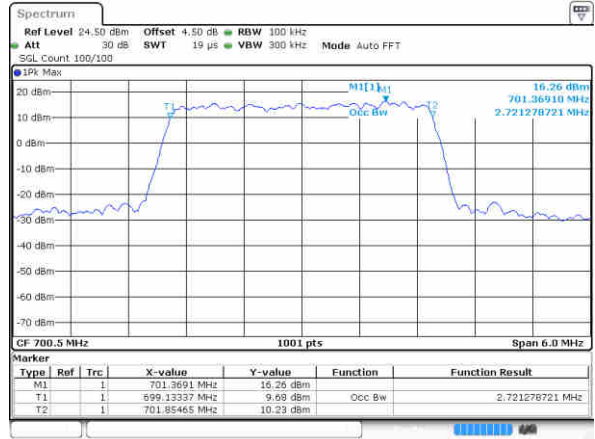


## LTE Band 12

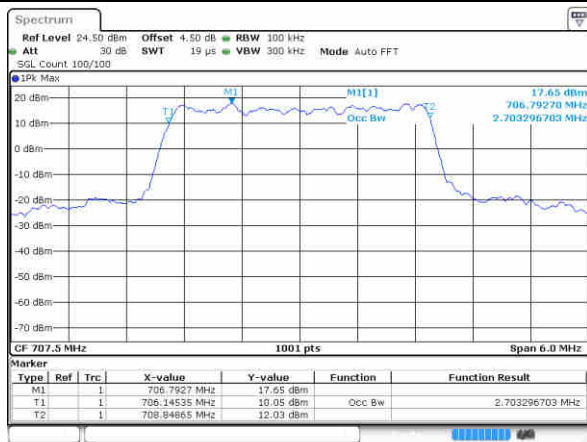
## Lowest Channel / 3MHz / QPSK



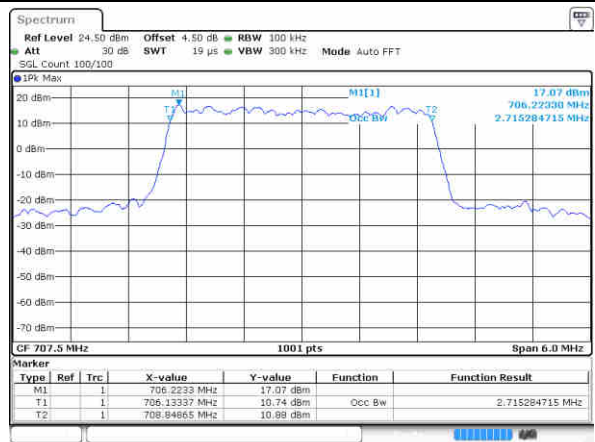
## Lowest Channel / 3MHz / 16QAM



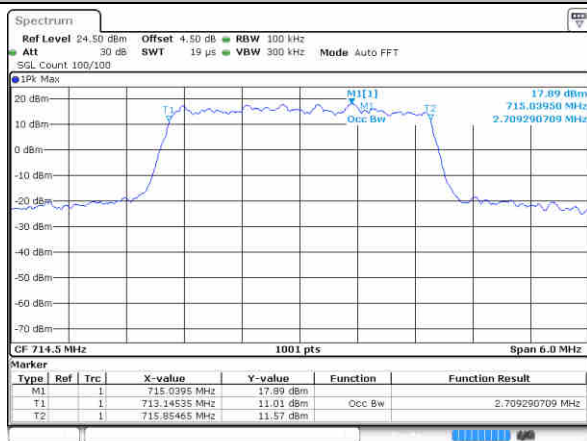
## Middle Channel / 3MHz / QPSK



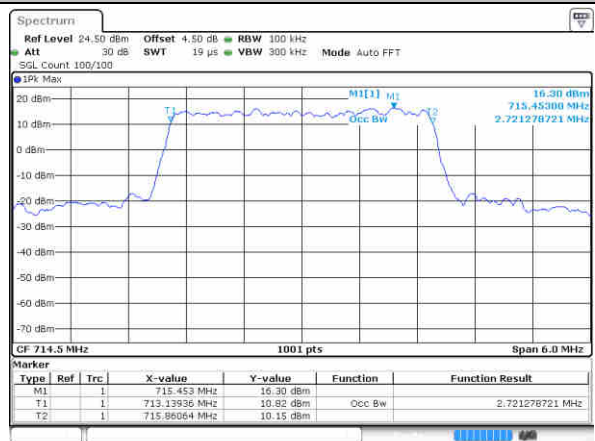
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



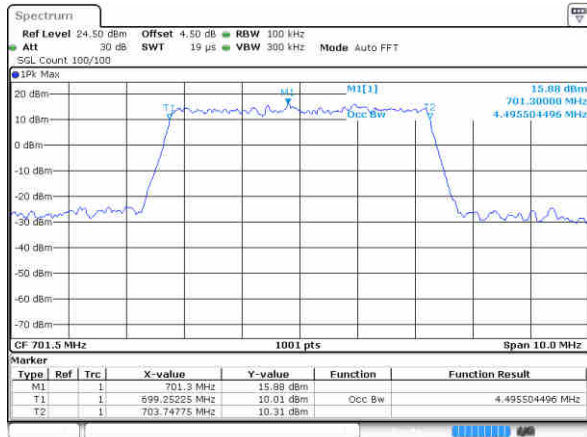
## Highest Channel / 3MHz / 16QAM





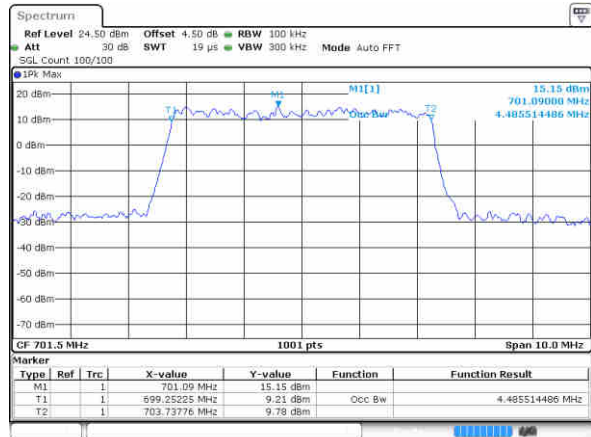
## LTE Band 12

## Lowest Channel / 5MHz / QPSK



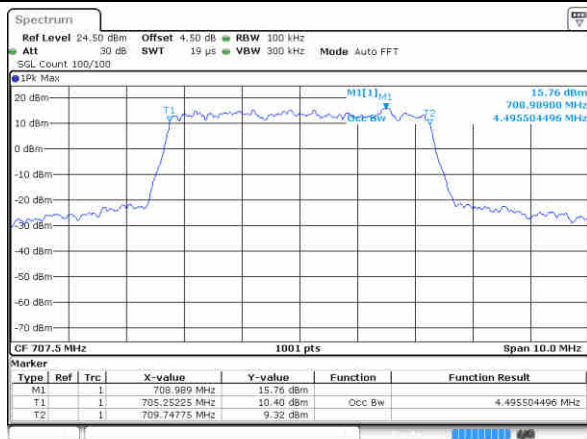
Date: 30 APR 2019 14:11:44

## Lowest Channel / 5MHz / 16QAM



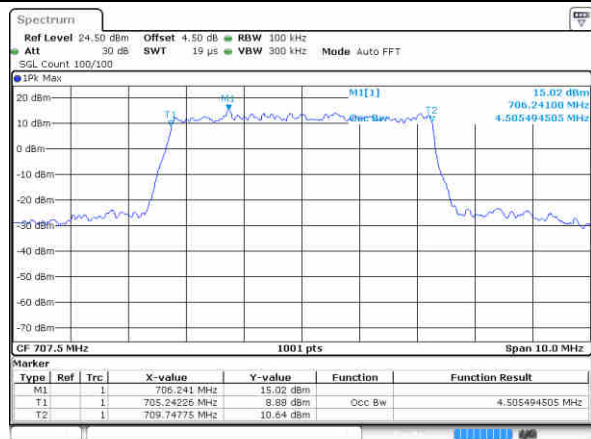
Date: 30 APR 2019 14:12:07

## Middle Channel / 5MHz / QPSK



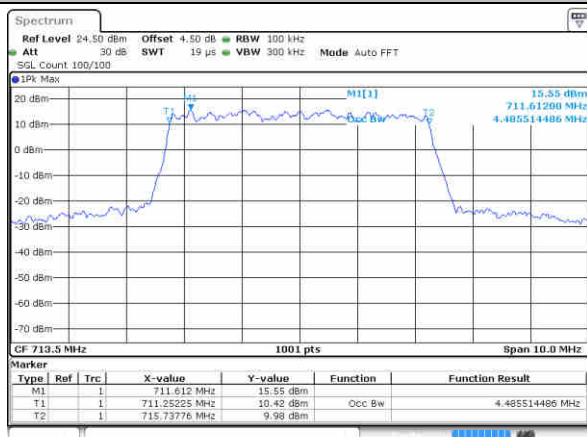
Date: 30 APR 2019 11:51:35

## Middle Channel / 5MHz / 16QAM



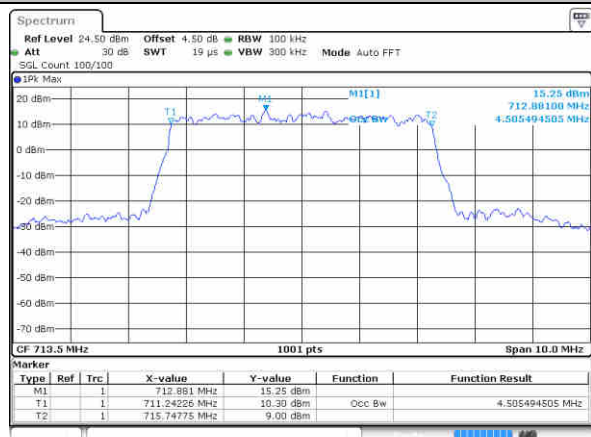
Date: 30 APR 2019 11:51:25

## Highest Channel / 5MHz / QPSK



Date: 30 APR 2019 11:51:45

## Highest Channel / 5MHz / 16QAM



Date: 30 APR 2019 11:51:55