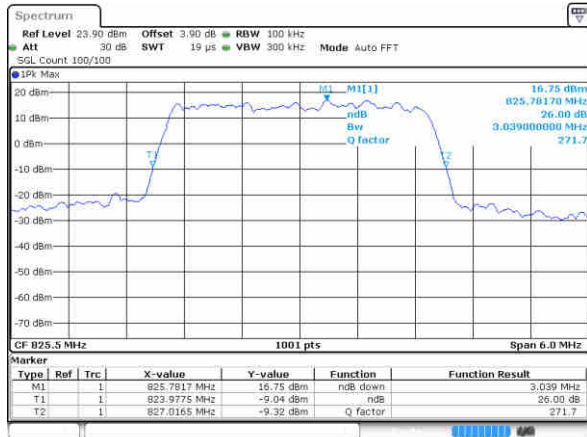




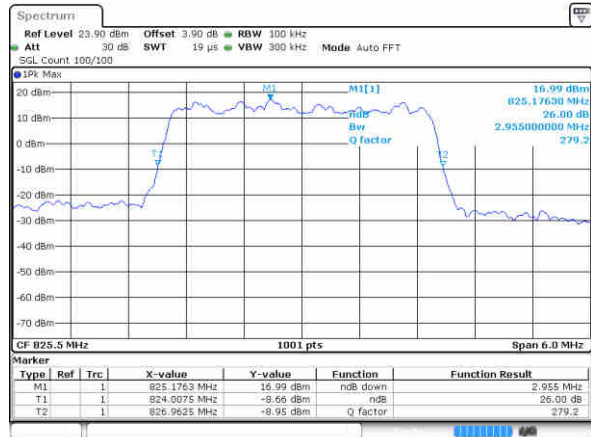
## LTE Band 5

## Lowest Channel / 3MHz / QPSK



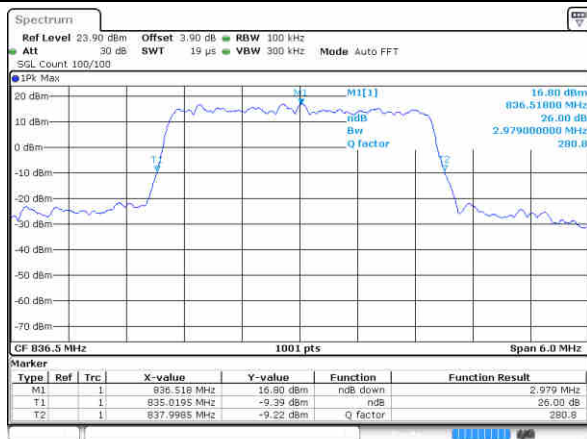
Date: 24 MAY 2017 10:38:21

## Lowest Channel / 3MHz / 16QAM



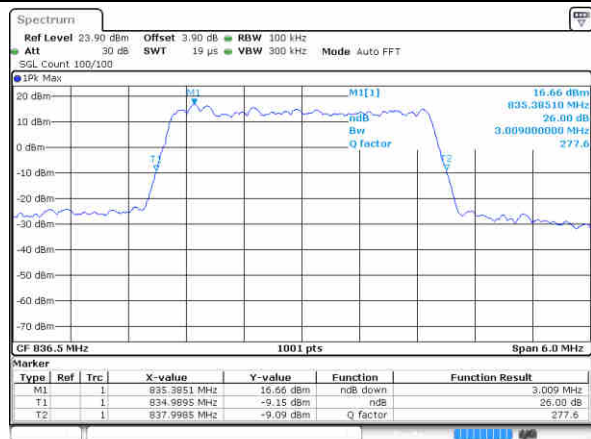
Date: 24 MAY 2017 10:38:31

## Middle Channel / 3MHz / QPSK



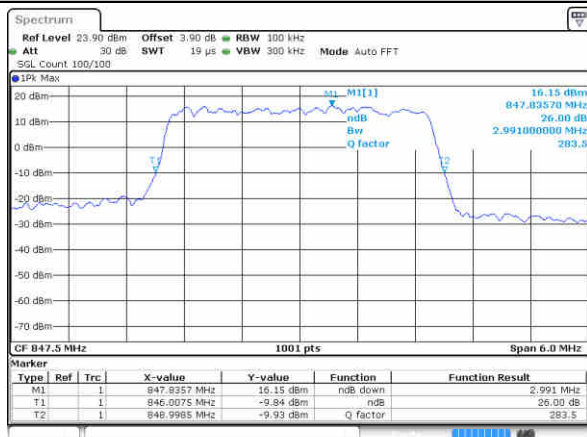
Date: 24 MAY 2017 10:47:25

## Middle Channel / 3MHz / 16QAM



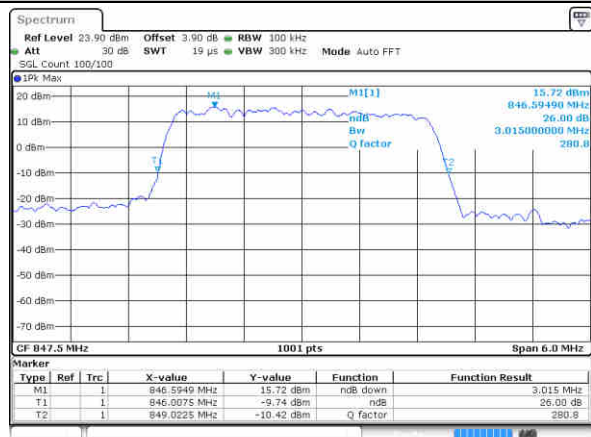
Date: 24 MAY 2017 10:47:35

## Highest Channel / 3MHz / QPSK



Date: 24 MAY 2017 10:49:57

## Highest Channel / 3MHz / 16QAM

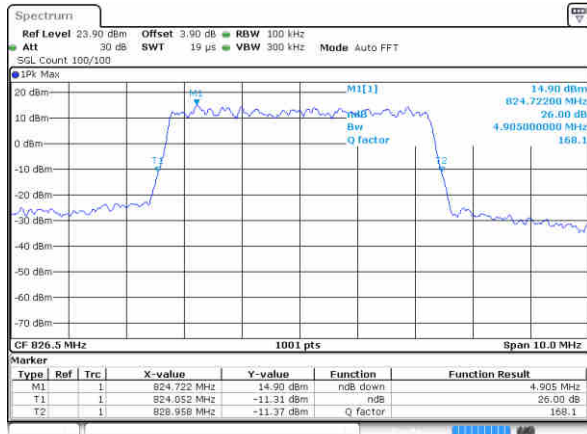


Date: 24 MAY 2017 10:50:08

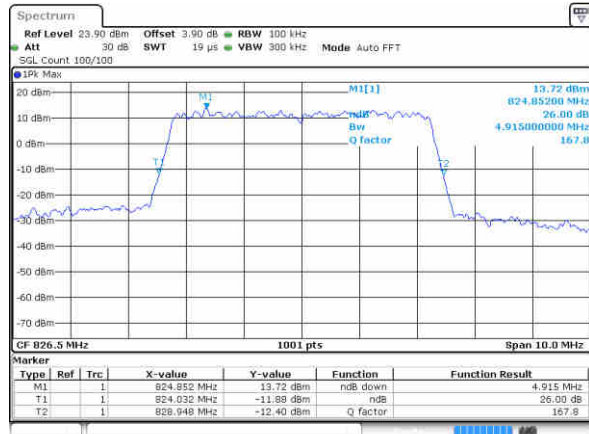


## LTE Band 5

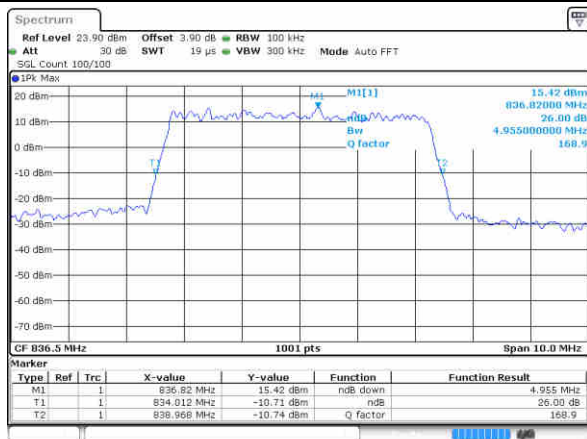
## Lowest Channel / 5MHz / QPSK



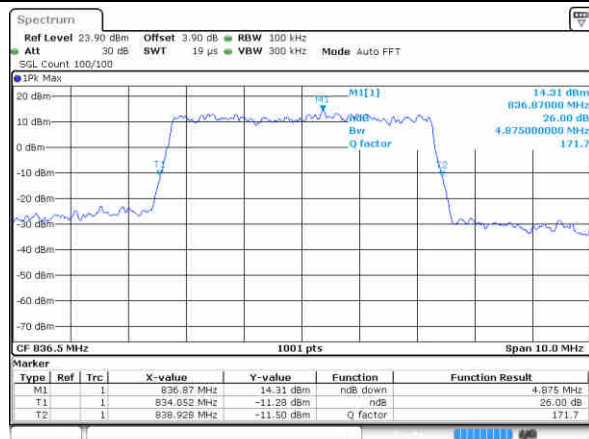
## Lowest Channel / 5MHz / 16QAM



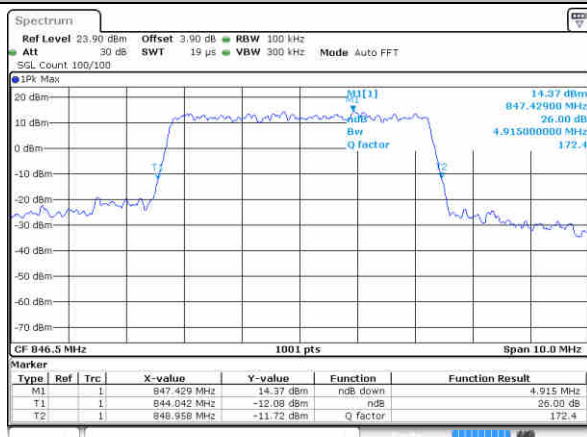
## Middle Channel / 5MHz / QPSK



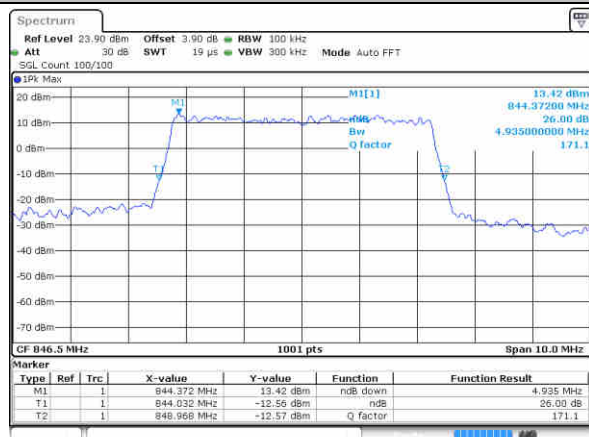
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



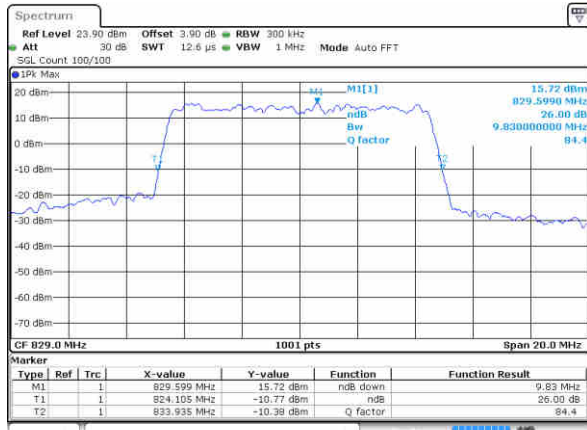
## Highest Channel / 5MHz / 16QAM





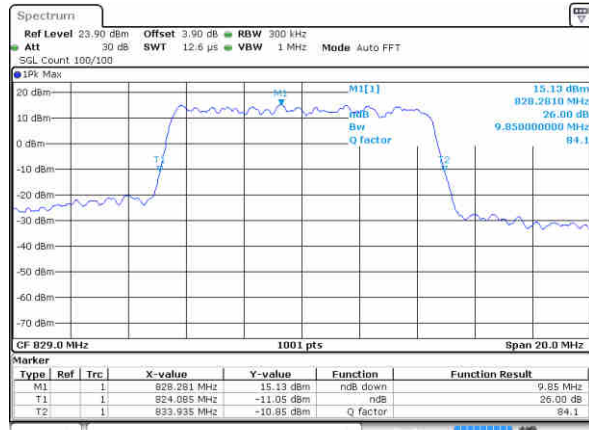
## LTE Band 5

## Lowest Channel / 10MHz / QPSK



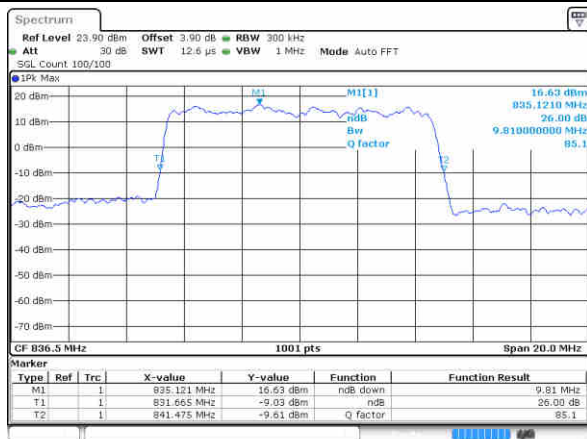
Date: 24 MAY 2017 11:19:42

## Lowest Channel / 10MHz / 16QAM



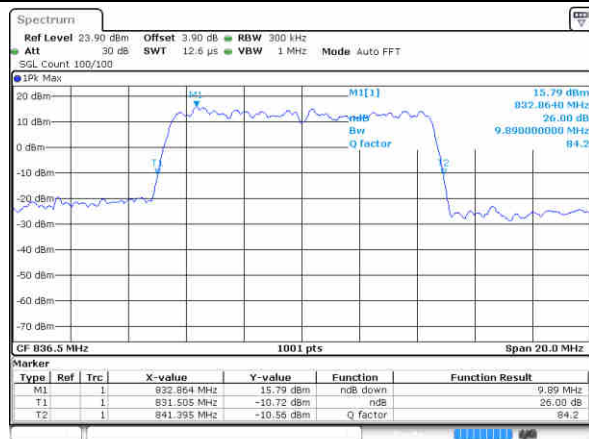
Date: 24 MAY 2017 11:19:52

## Middle Channel / 10MHz / QPSK



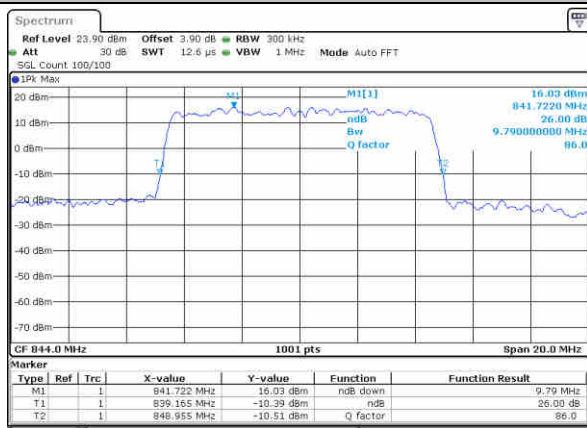
Date: 24 MAY 2017 11:28:46

## Middle Channel / 10MHz / 16QAM



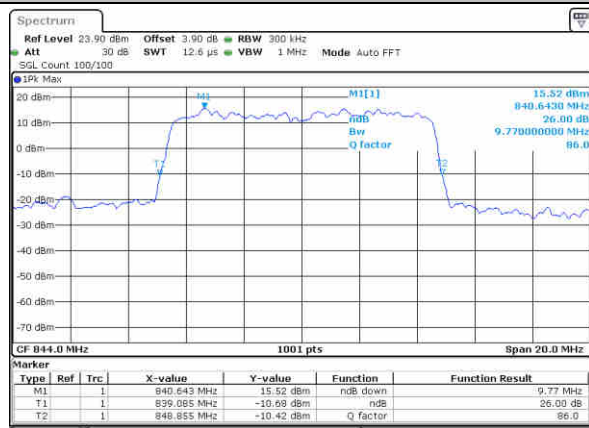
Date: 24 MAY 2017 11:28:57

## Highest Channel / 10MHz / QPSK



Date: 24 MAY 2017 11:31:18

## Highest Channel / 10MHz / 16QAM

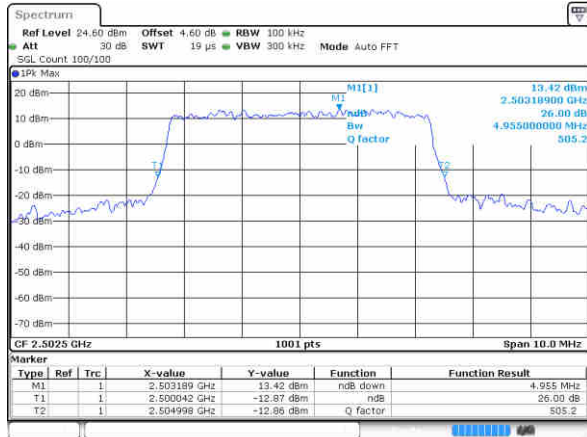


Date: 24 MAY 2017 11:31:29

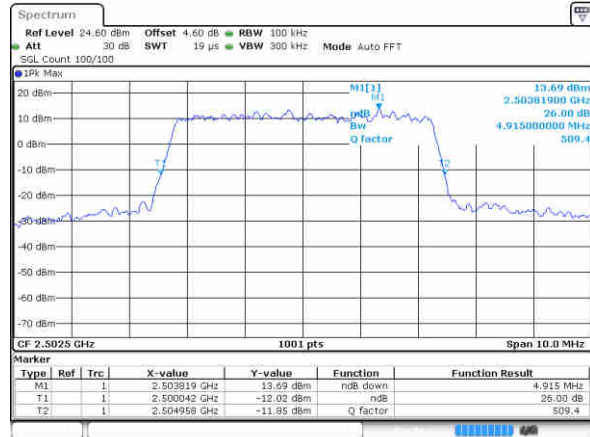


## LTE Band 7

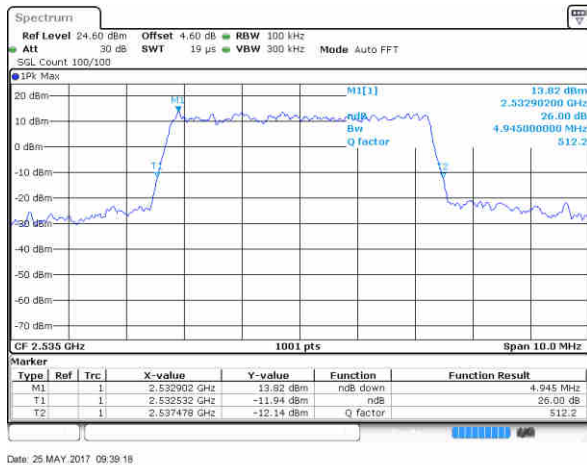
## Lowest Channel / 5MHz / QPSK



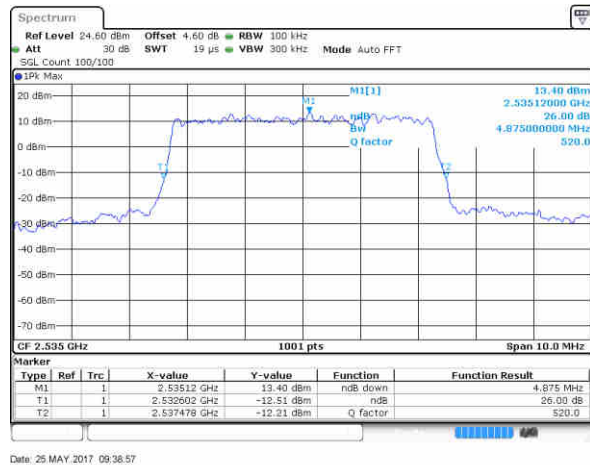
## Lowest Channel / 5MHz / 16QAM



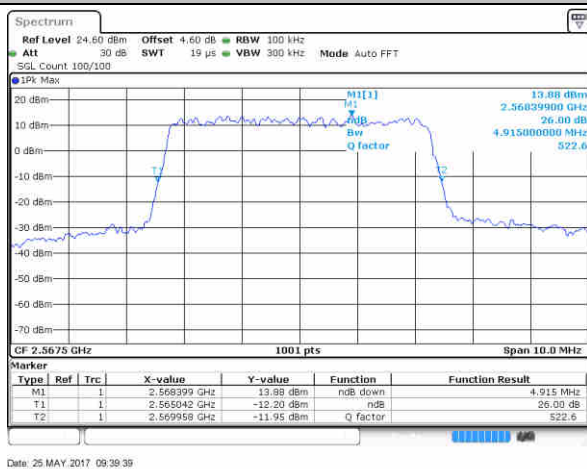
## Middle Channel / 5MHz / QPSK



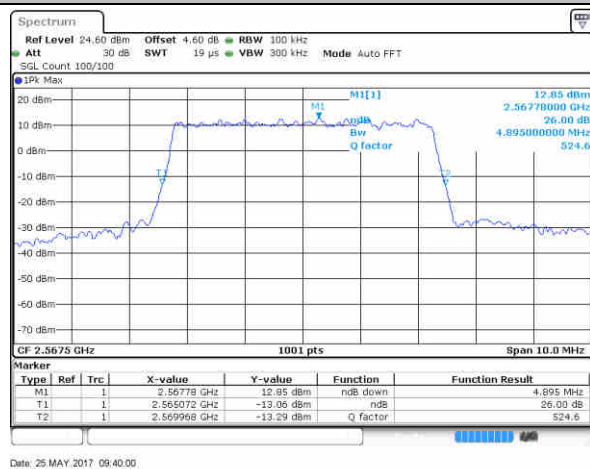
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



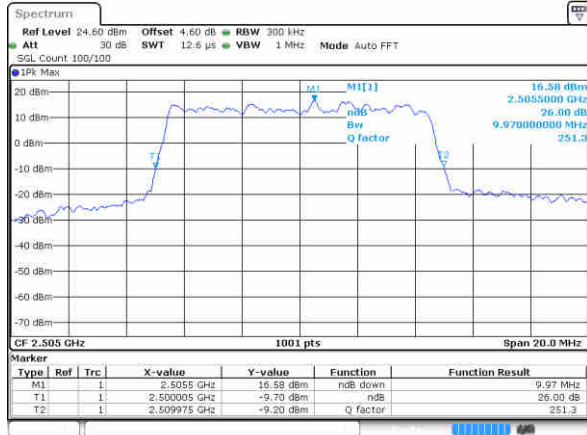
## Highest Channel / 5MHz / 16QAM



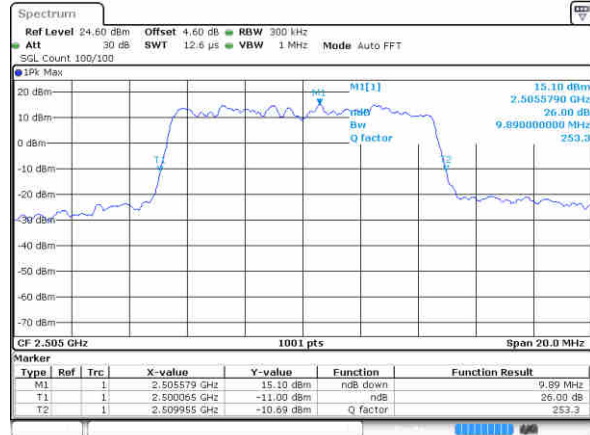


## LTE Band 7

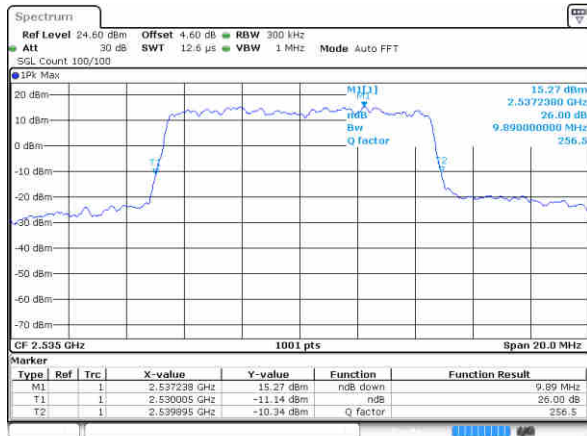
## Lowest Channel / 10MHz / QPSK



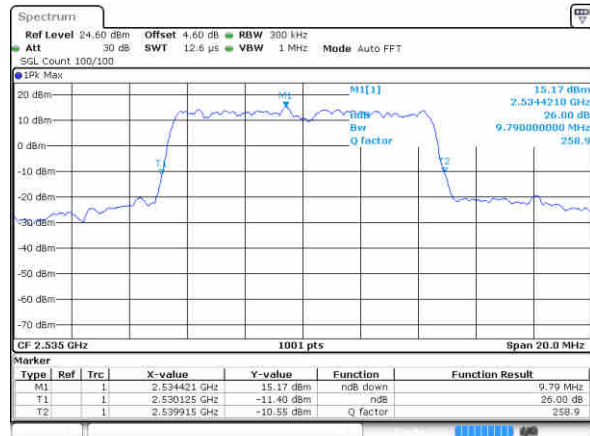
## Lowest Channel / 10MHz / 16QAM



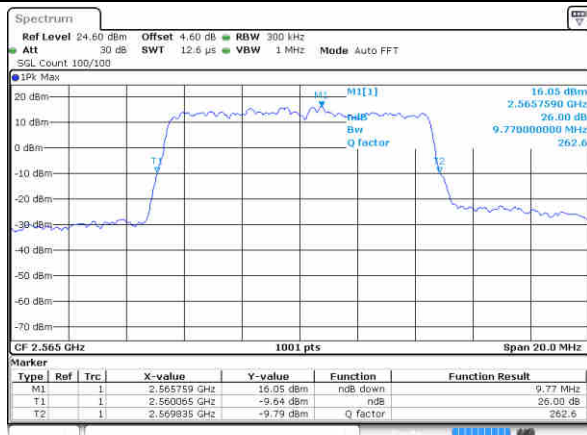
## Middle Channel / 10MHz / QPSK



## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



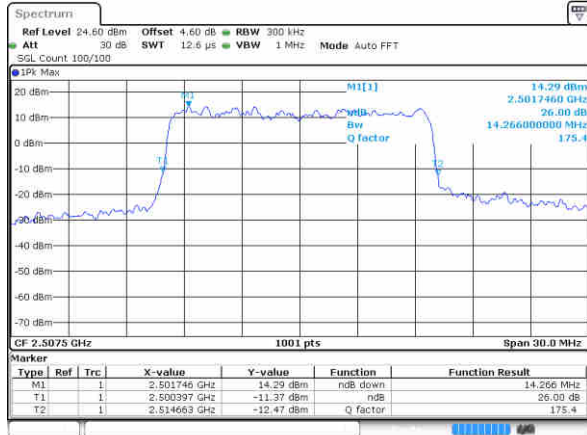
## Highest Channel / 10MHz / 16QAM



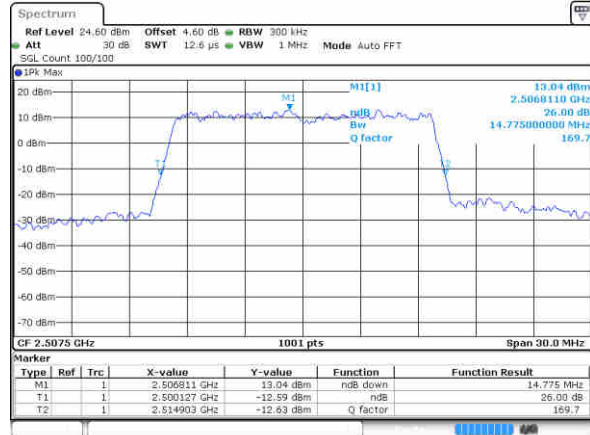


## LTE Band 7

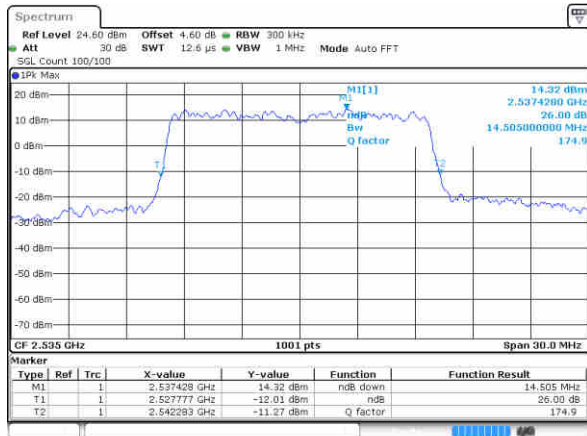
## Lowest Channel / 15MHz / QPSK



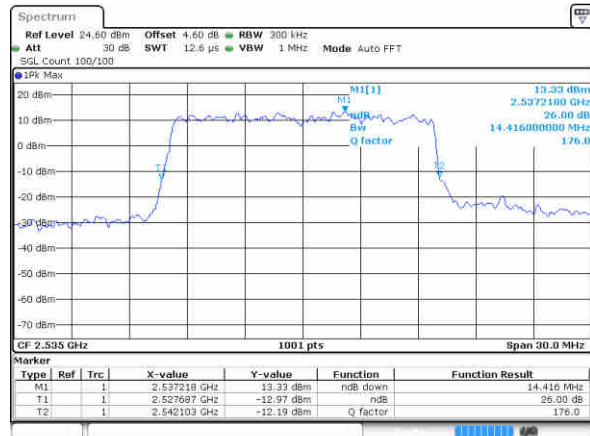
## Lowest Channel / 15MHz / 16QAM



## Middle Channel / 15MHz / QPSK



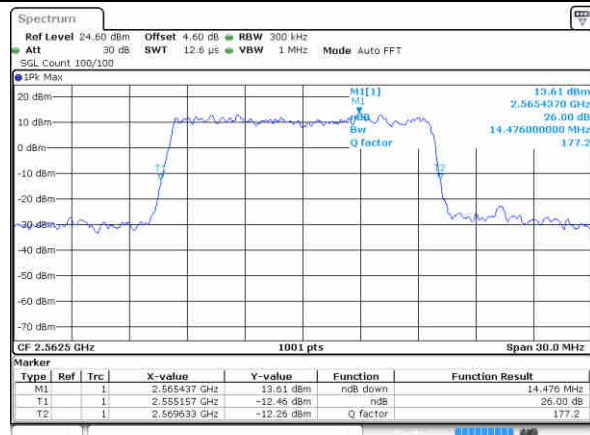
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



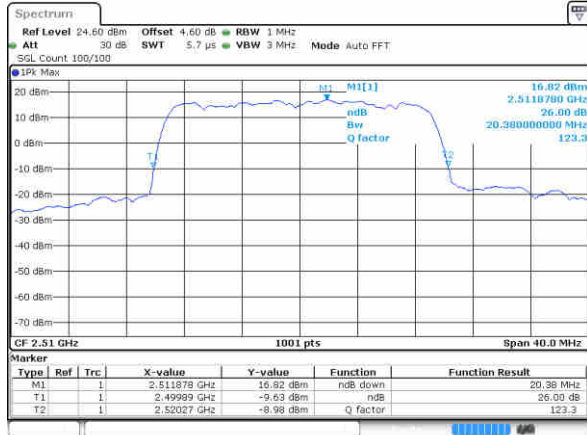
## Highest Channel / 15MHz / 16QAM



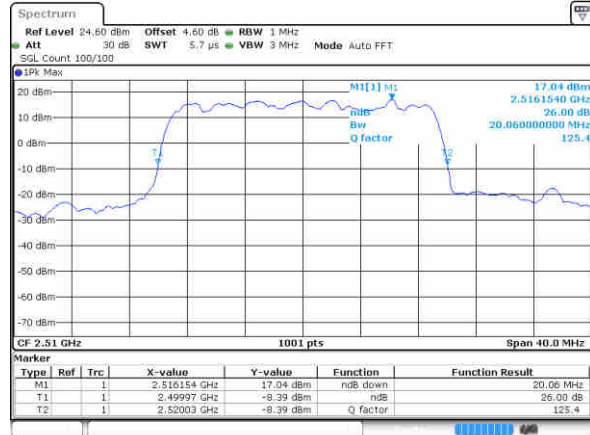


## LTE Band 7

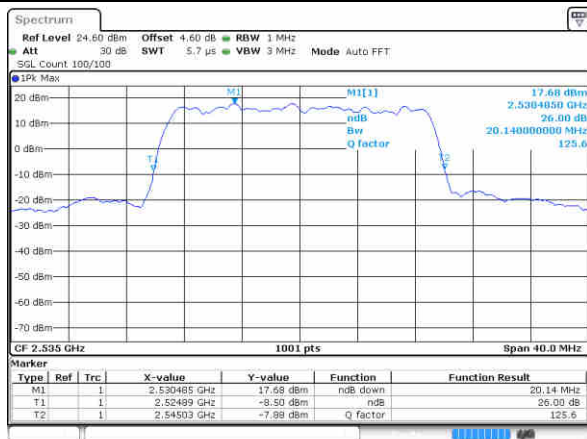
## Lowest Channel / 20MHz / QPSK



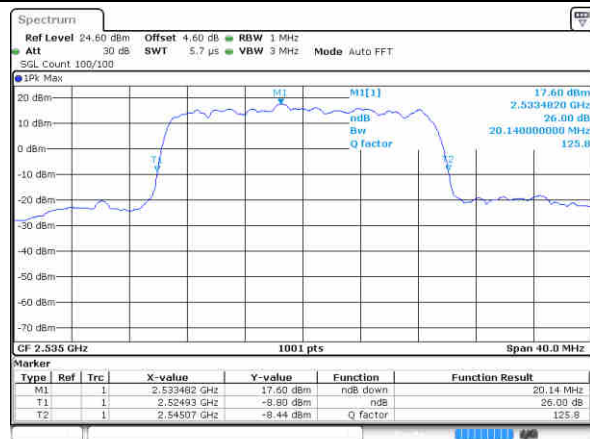
## Lowest Channel / 20MHz / 16QAM



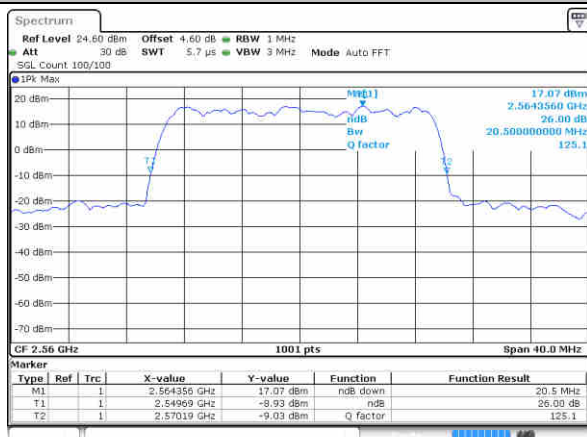
## Middle Channel / 20MHz / QPSK



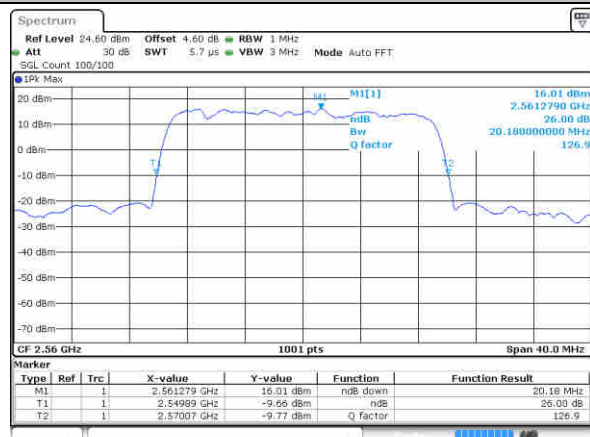
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



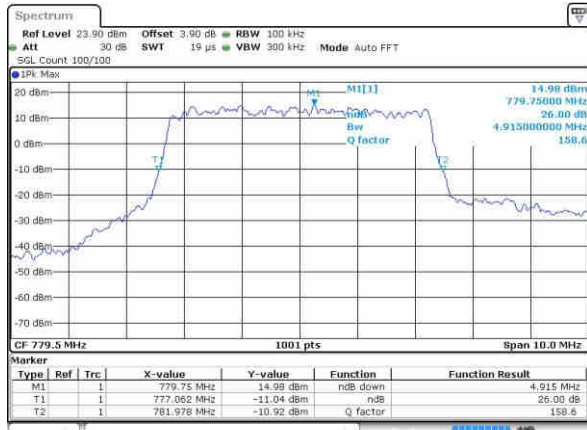
## Highest Channel / 20MHz / 16QAM





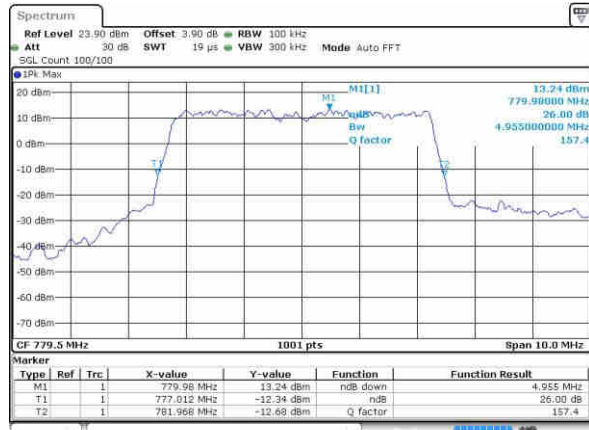
## LTE Band 13

## Lowest Channel / 5MHz / QPSK



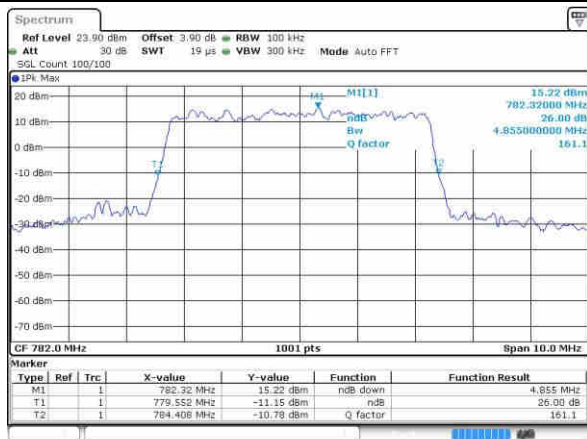
Date: 24 MAY 2017 22:11:31

## Lowest Channel / 5MHz / 16QAM



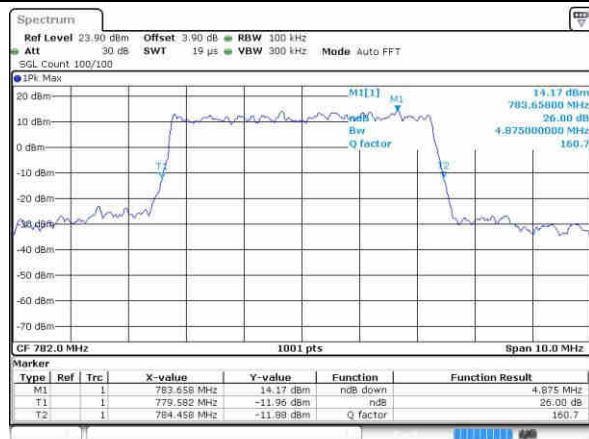
Date: 24 MAY 2017 22:11:55

## Middle Channel / 5MHz / QPSK



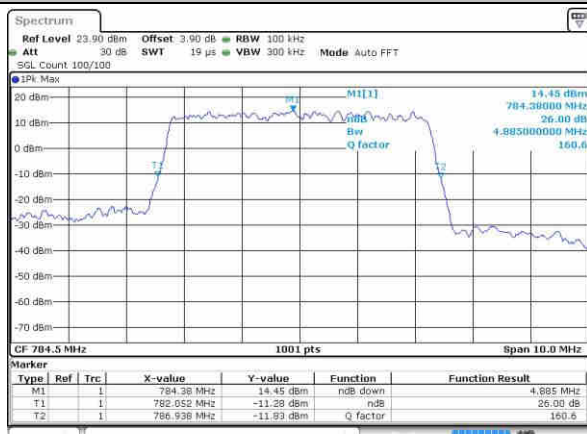
Date: 24 MAY 2017 22:26:51

## Middle Channel / 5MHz / 16QAM



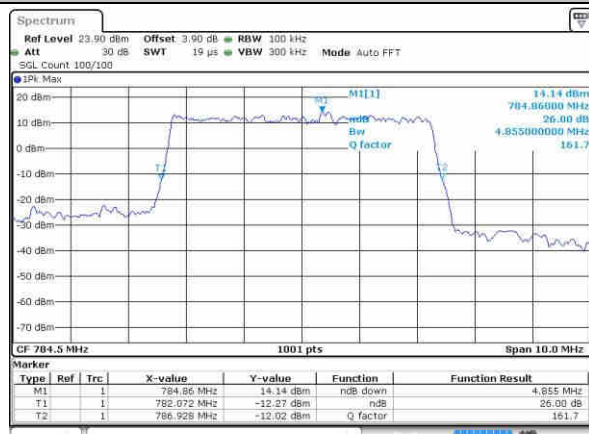
Date: 24 MAY 2017 22:26:28

## Highest Channel / 5MHz / QPSK



Date: 24 MAY 2017 22:27:24

## Highest Channel / 5MHz / 16QAM

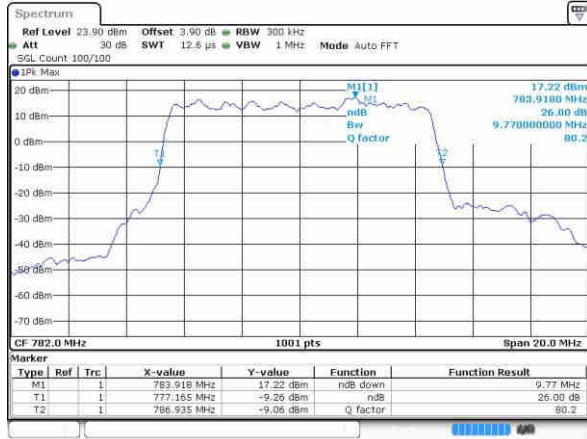


Date: 24 MAY 2017 22:27:56



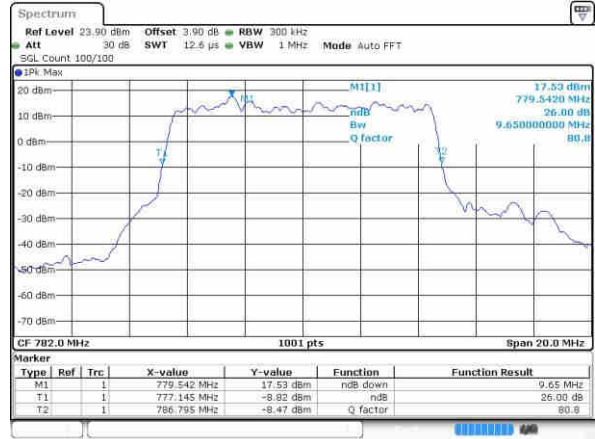
## LTE Band 13

## Middle Channel / 10MHz / QPSK



Date: 24 MAY 2017 22:35:25

## Middle Channel / 10MHz / 16QAM

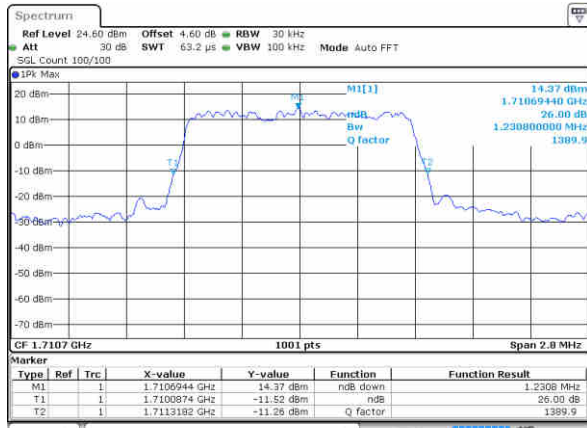


Date: 24 MAY 2017 22:35:48

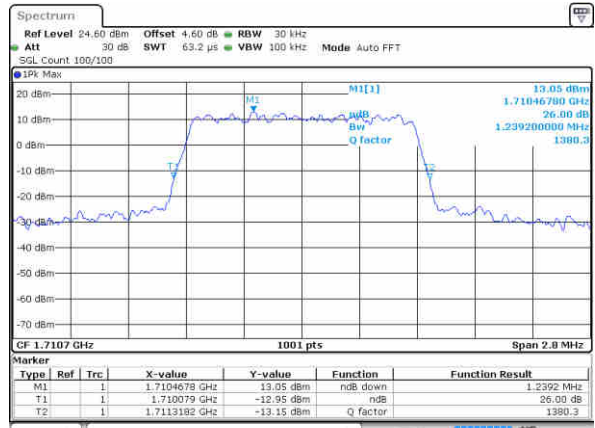


## LTE Band 66

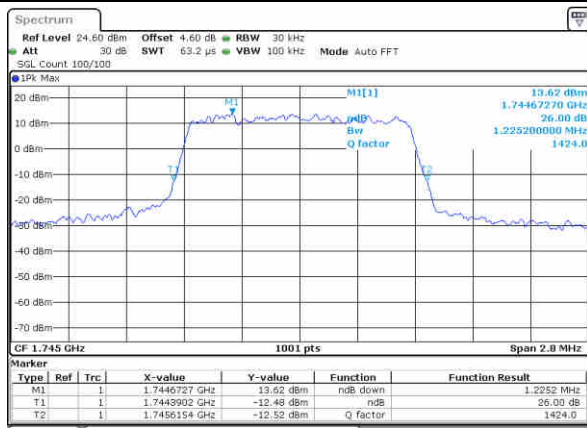
## Lowest Channel / 1.4MHz / QPSK



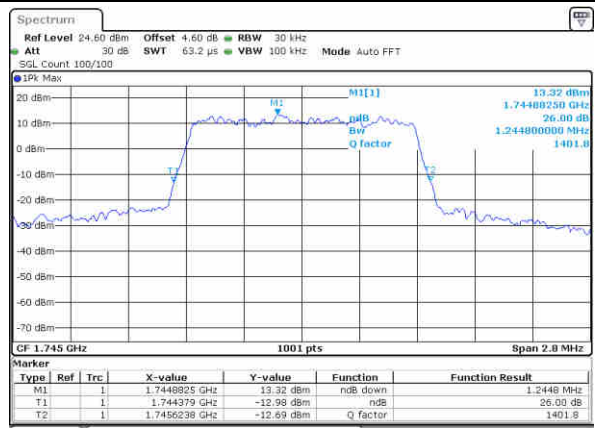
## Lowest Channel / 1.4MHz / 16QAM



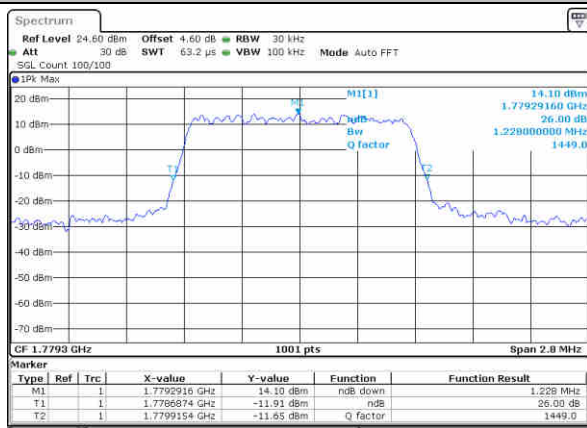
## Middle Channel / 1.4MHz / QPSK



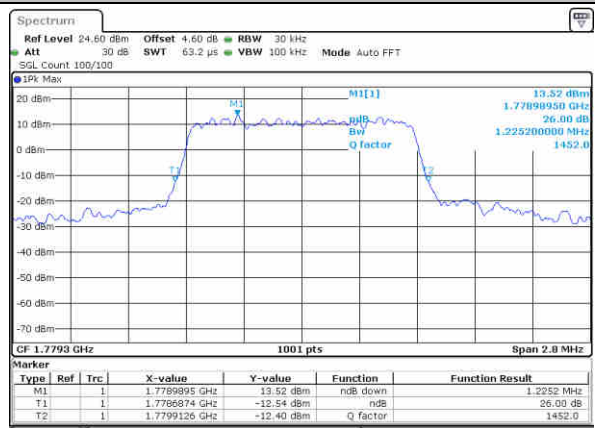
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



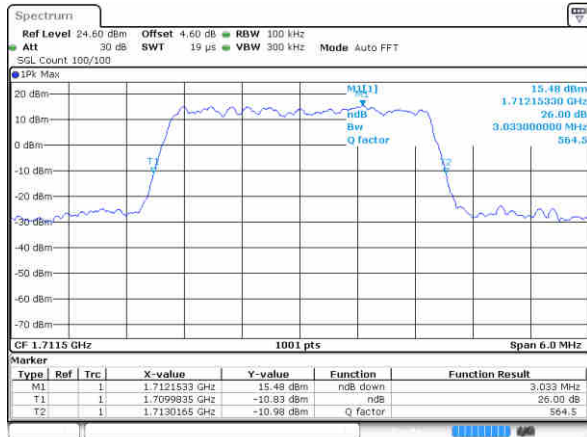
## Highest Channel / 1.4MHz / 16QAM





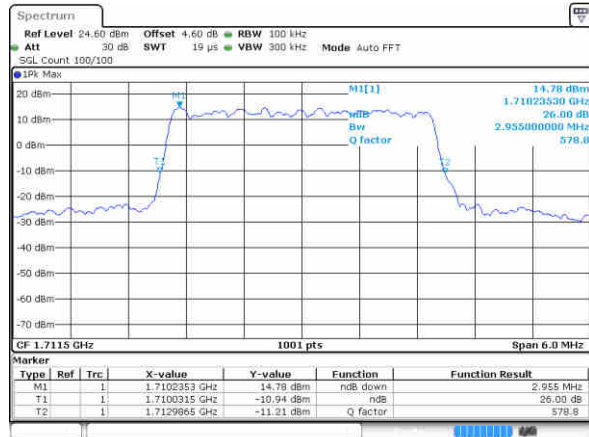
## LTE Band 66

## Lowest Channel / 3MHz / QPSK



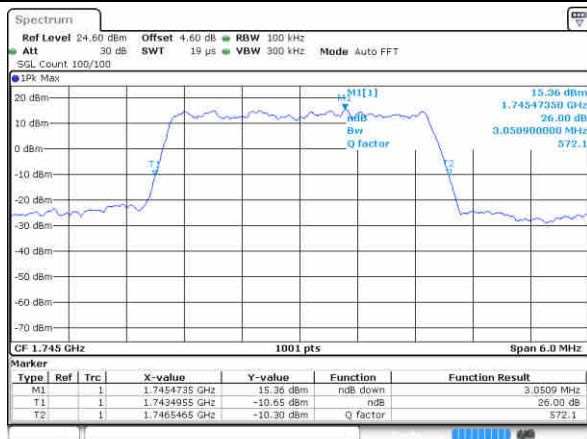
Date: 12 JUN 2017 14:10:53

## Lowest Channel / 3MHz / 16QAM



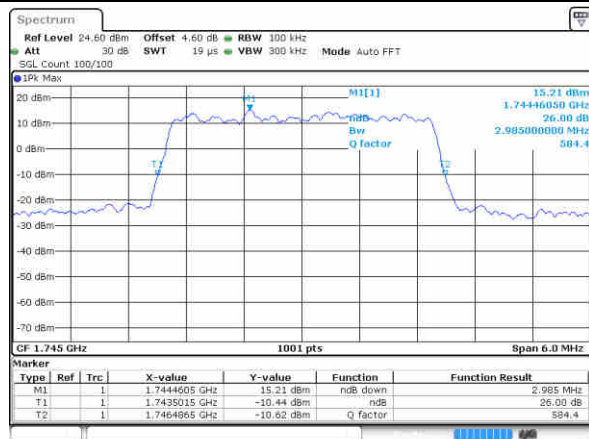
Date: 12 JUN 2017 14:09:22

## Middle Channel / 3MHz / QPSK



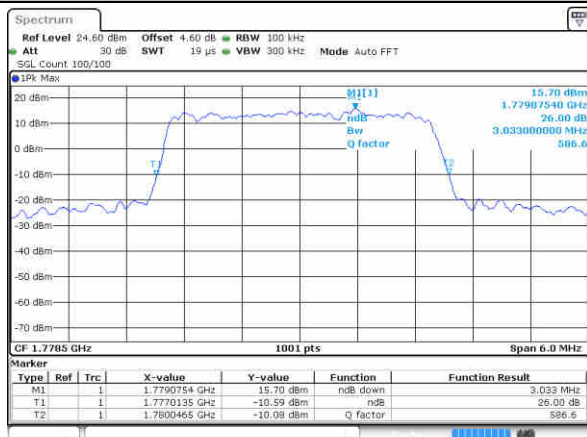
Date: 12 JUN 2017 14:11:36

## Middle Channel / 3MHz / 16QAM



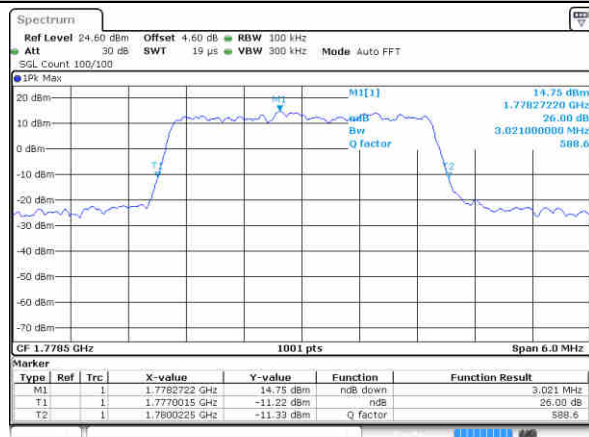
Date: 12 JUN 2017 14:10:05

## Highest Channel / 3MHz / QPSK



Date: 12 JUN 2017 14:13:42

## Highest Channel / 3MHz / 16QAM

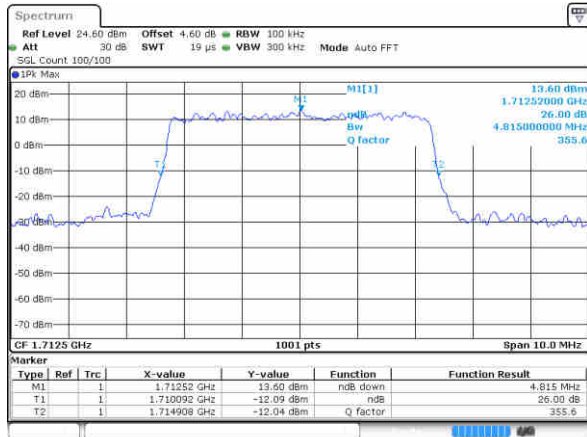


Date: 12 JUN 2017 14:13:11

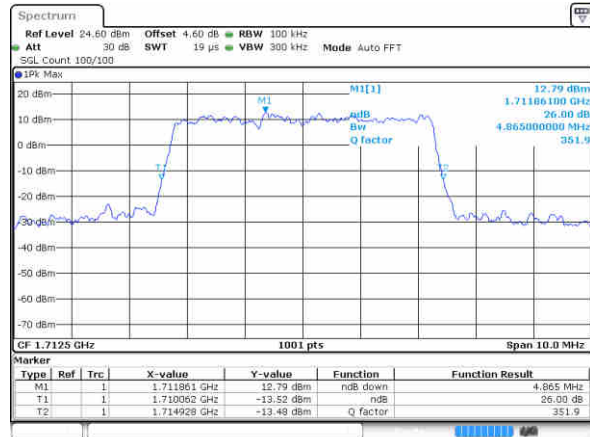


## LTE Band 66

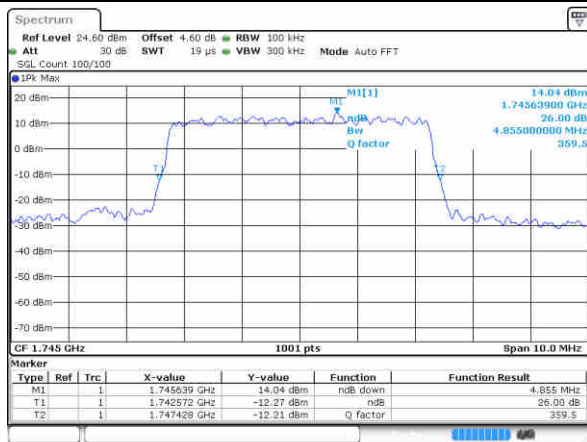
## Lowest Channel / 5MHz / QPSK



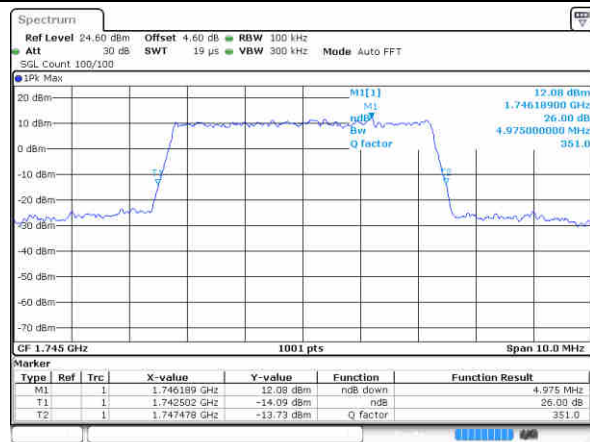
## Lowest Channel / 5MHz / 16QAM



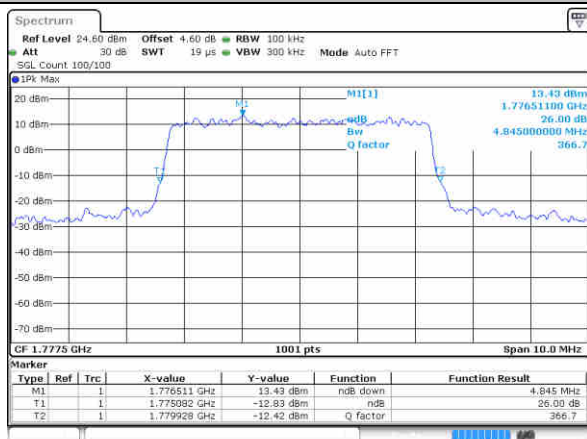
## Middle Channel / 5MHz / QPSK



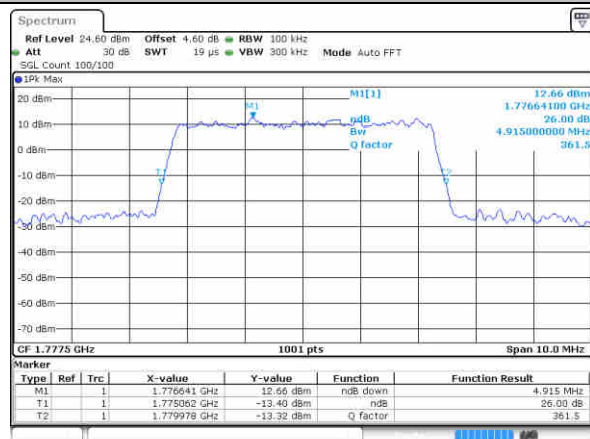
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



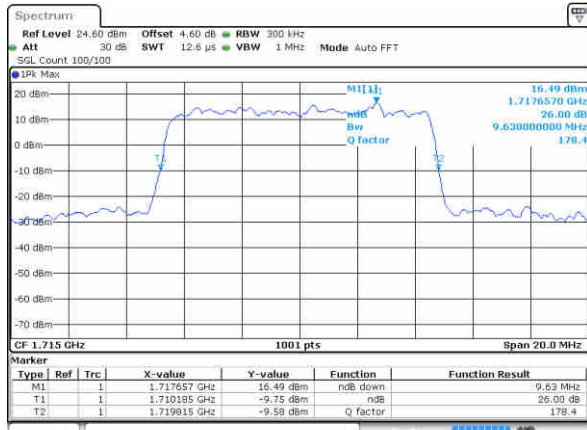
## Highest Channel / 5MHz / 16QAM



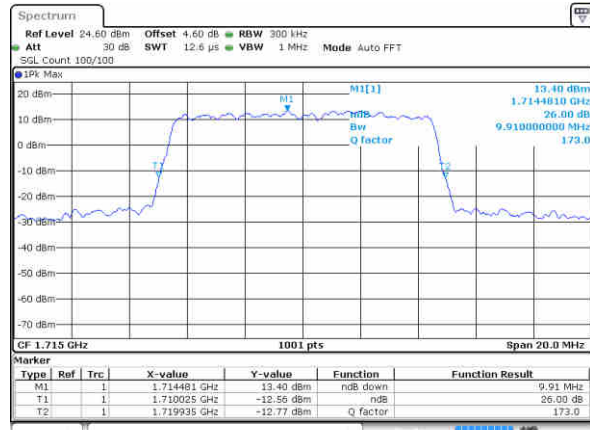


## LTE Band 66

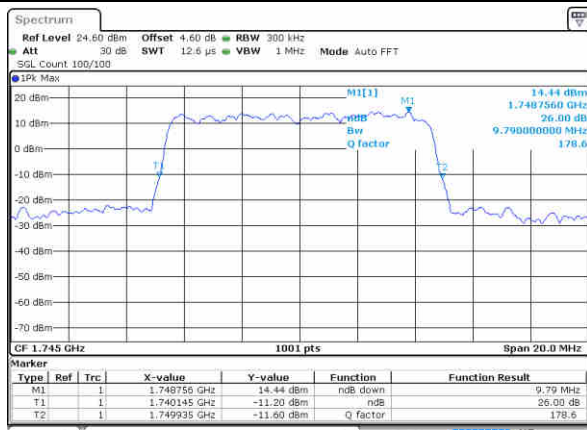
## Lowest Channel / 10MHz / QPSK



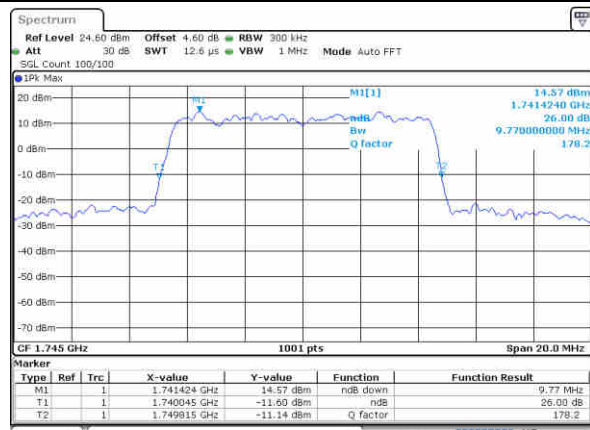
## Lowest Channel / 10MHz / 16QAM



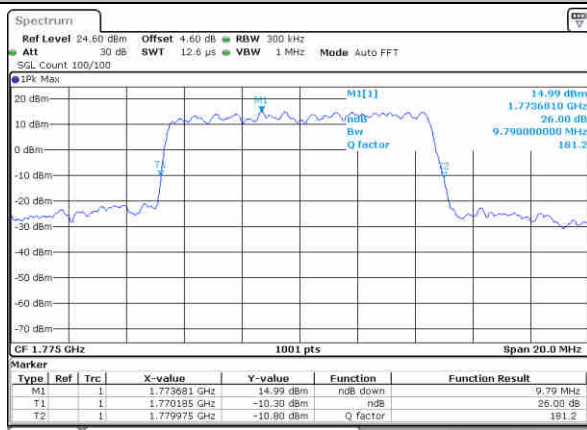
## Middle Channel / 10MHz / QPSK



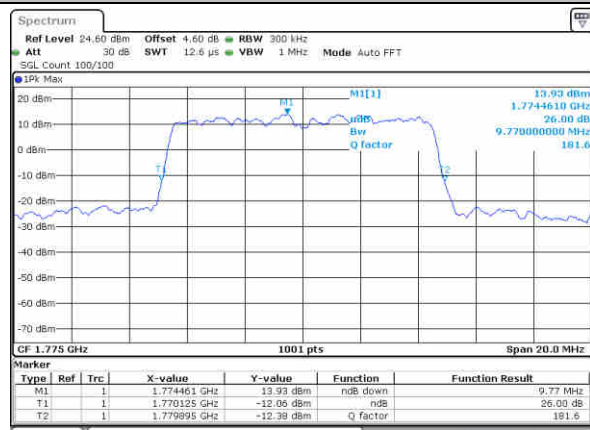
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



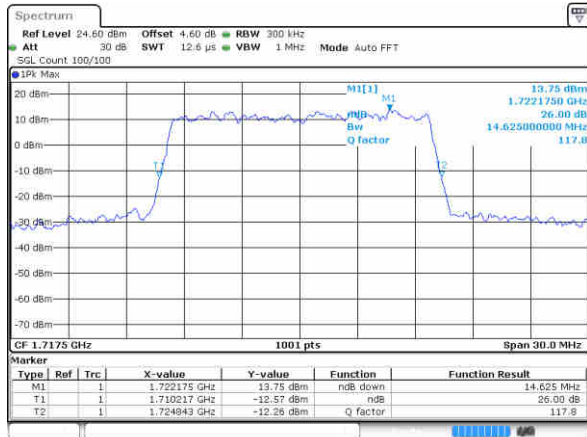
## Highest Channel / 10MHz / 16QAM



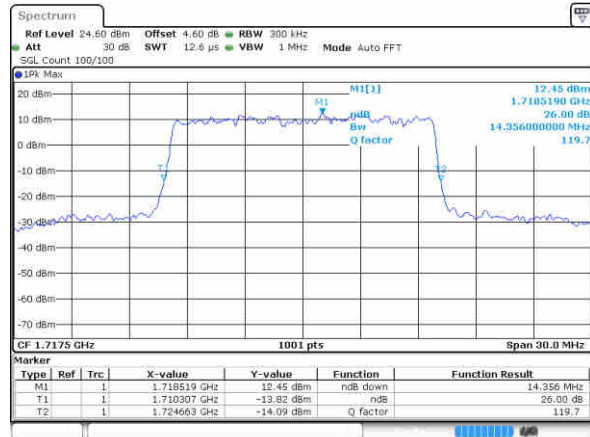


## LTE Band 66

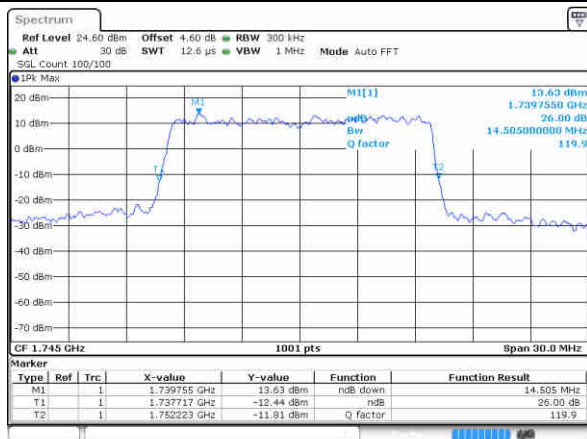
## Lowest Channel / 15MHz / QPSK



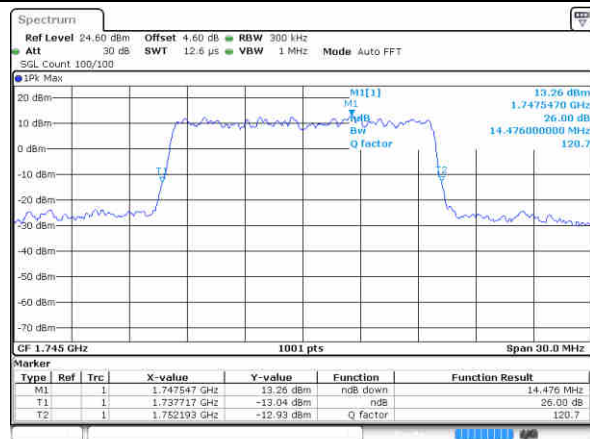
## Lowest Channel / 15MHz / 16QAM



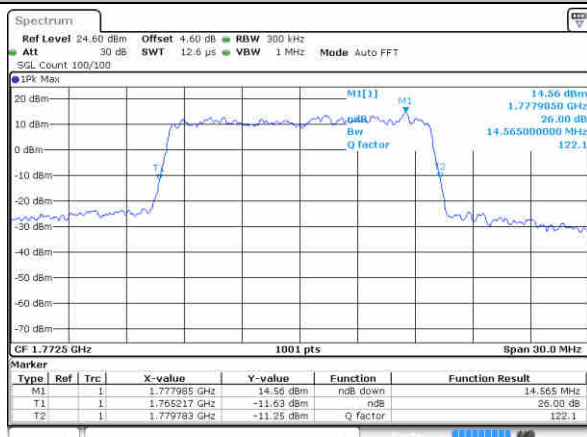
## Middle Channel / 15MHz / QPSK



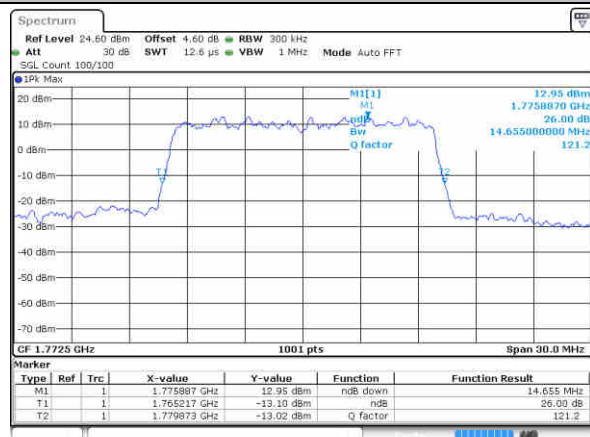
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



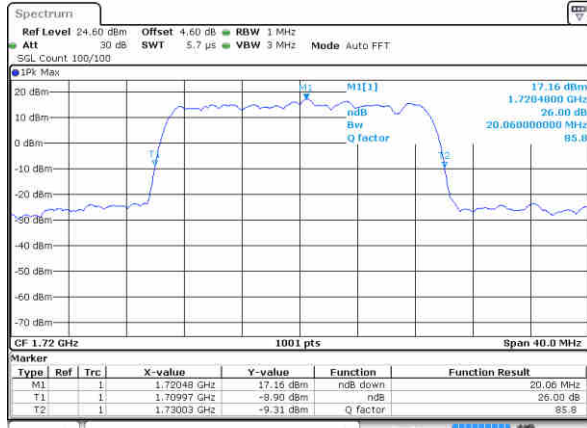
## Highest Channel / 15MHz / 16QAM



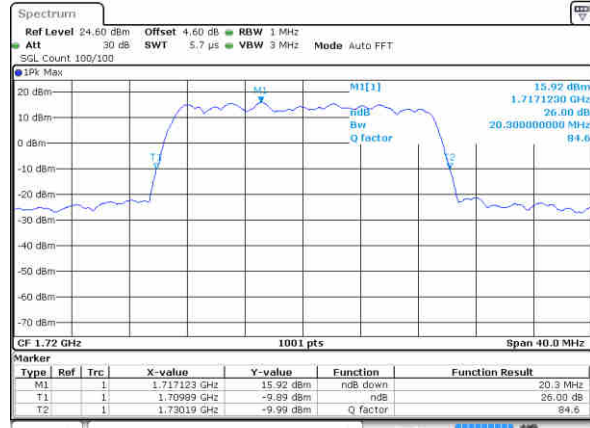


## LTE Band 66

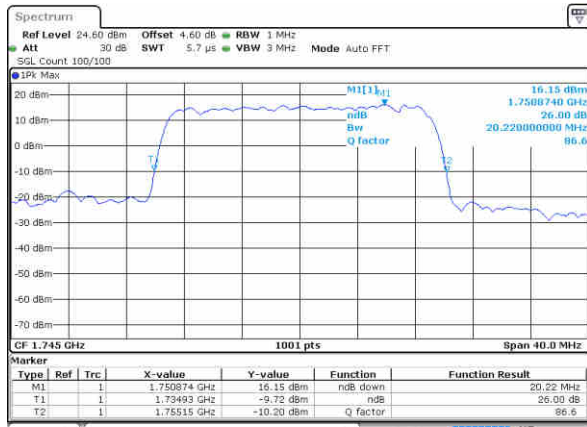
## Lowest Channel / 20MHz / QPSK



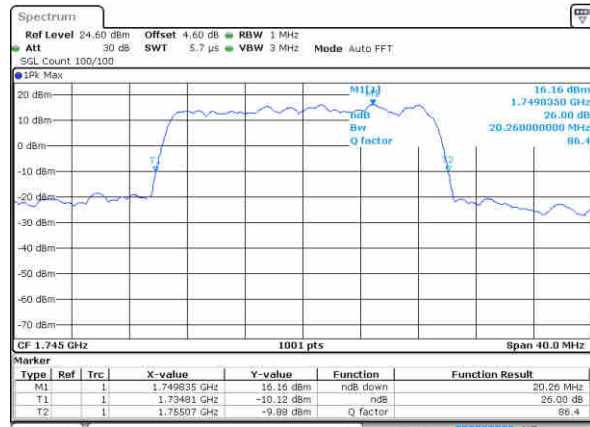
## Lowest Channel / 20MHz / 16QAM



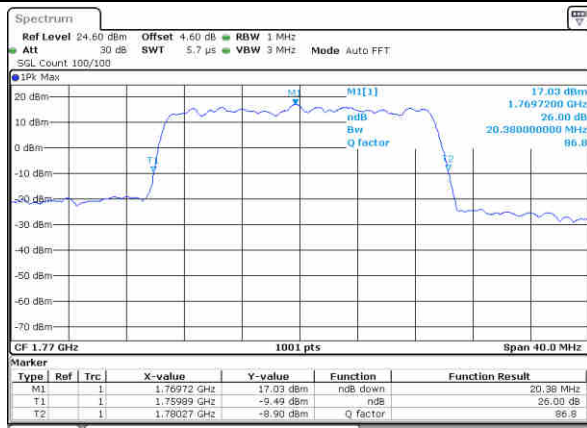
## Middle Channel / 20MHz / QPSK



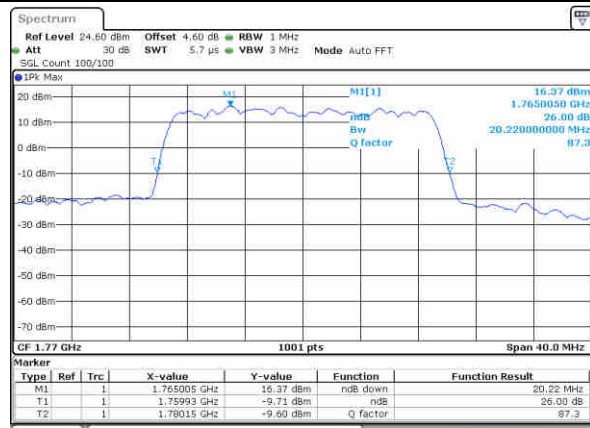
## Middle Channel / 20MHz / 16QAM



## 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                     | 1.08  | 2.72 | 2.73  | 4.48 | 4.51  | 9.01  | 9.01  | 13.46 | 13.4  | 18.5  | 18.58 |
| Middle CH  | 1.09                     | 1.09  | 2.7  | 2.72  | 4.51 | 4.48  | 9.03  | 9.01  | 13.49 | 13.49 | 18.5  | 18.42 |
| Highest CH | 1.09                     | 1.09  | 2.71 | 2.73  | 4.47 | 4.52  | 9.05  | 9.01  | 13.46 | 13.49 | 18.26 | 18.26 |

| 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  | 2.70 | 2.72  | 4.48 | 4.49  | 8.93  | 9.01  | 13.43 | 13.43 | 18.30 | 18.30 |
| Middle CH  | 1.09                     | 1.09  | 2.72 | 2.70  | 4.48 | 4.52  | 9.05  | 9.05  | 13.58 | 13.46 | 18.34 | 18.26 |
| Highest CH | 1.09                     | 1.09  | 2.72 | 2.72  | 4.48 | 4.50  | 9.03  | 8.97  | 13.40 | 13.43 | 18.42 | 18.46 |

| 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  | 1.08                     | 1.09  | 2.72 | 2.72  | 4.49 | 4.5   | 9.07  | 9.05  | -     | -     | -     | -     |
| Middle CH  | 1.09                     | 1.09  | 2.72 | 2.73  | 4.49 | 4.51  | 9.03  | 9.11  | -     | -     | -     | -     |
| Highest CH | 1.09                     | 1.09  | 2.73 | 2.72  | 4.48 | 4.49  | 9.01  | 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  | -                        | -     | -    | -     | 4.47 | 4.49  | 9.03  | 8.95  | 13.43 | 13.46 | 18.38 | 18.38 |
| Middle CH  | -                        | -     | -    | -     | 4.48 | 4.48  | 9.07  | 8.97  | 13.46 | 13.46 | 18.42 | 18.38 |
| Highest CH | -                        | -     | -    | -     | 4.49 | 4.49  | 9.03  | 8.99  | 13.43 | 13.46 | 18.46 | 18.46 |



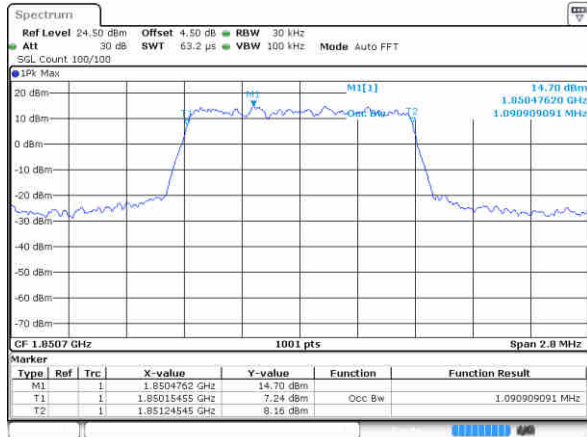
| Mode       | LTE Band 13 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                         | -     | -    | -     | 4.49 | 4.49  | -     | -     | -     | -     | -     | -     |
| Middle CH  | -                         | -     | -    | -     | 4.49 | 4.5   | 9.03  | 9.03  | -     | -     | -     | -     |
| Highest CH | -                         | -     | -    | -     | 4.47 | 4.5   | -     | -     | -     | -     | -     | -     |

| 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  | 1.09                      | 1.09  | 2.73 | 2.72  | 4.51 | 4.52  | 8.99  | 9.05  | 13.43 | 13.46 | 18.34 | 18.34 |
| Middle CH  | 1.09                      | 1.08  | 2.72 | 2.73  | 4.49 | 4.49  | 9.01  | 9.01  | 13.40 | 13.52 | 18.26 | 18.46 |
| Highest CH | 1.09                      | 1.10  | 2.73 | 2.71  | 4.49 | 4.50  | 9.01  | 9.01  | 13.40 | 13.43 | 18.42 | 18.42 |

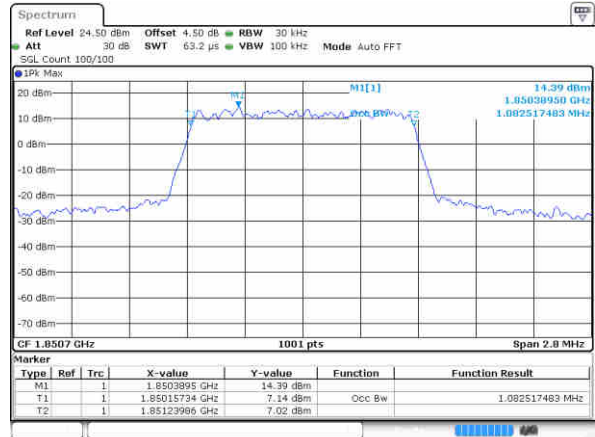


## LTE Band 2

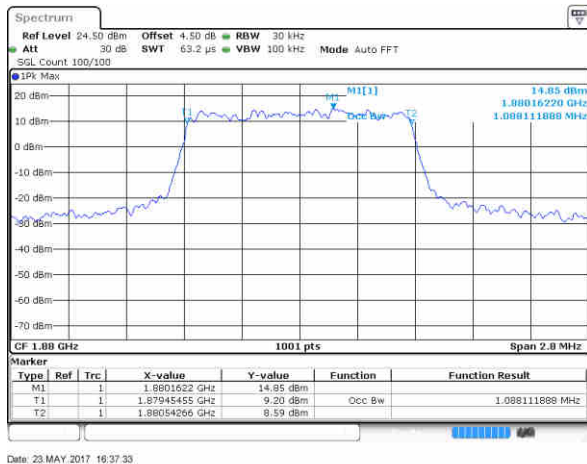
## Lowest Channel / 1.4MHz / QPSK



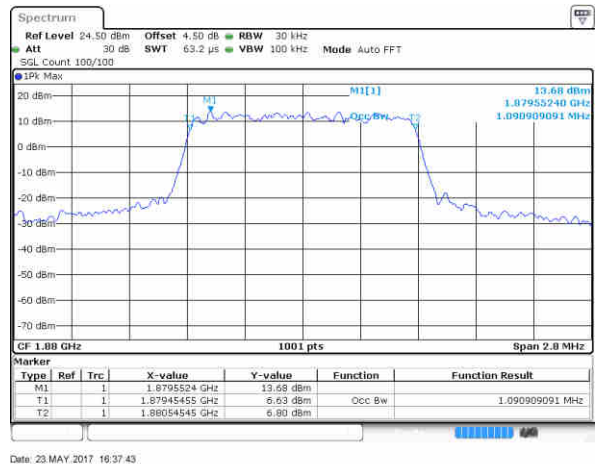
## Lowest Channel / 1.4MHz / 16QAM



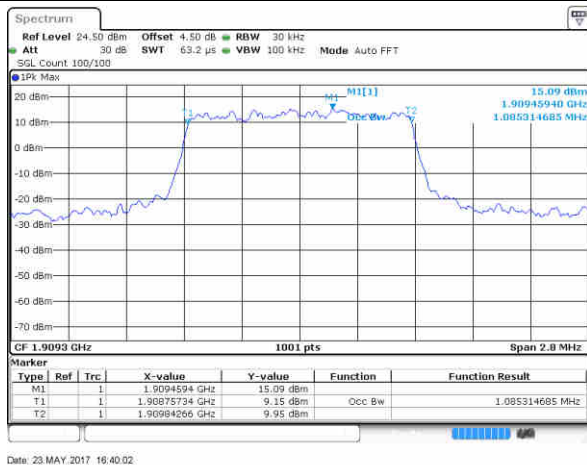
## Middle Channel / 1.4MHz / QPSK



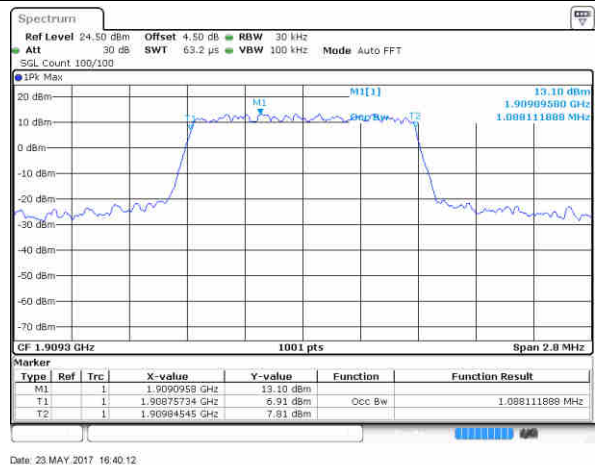
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



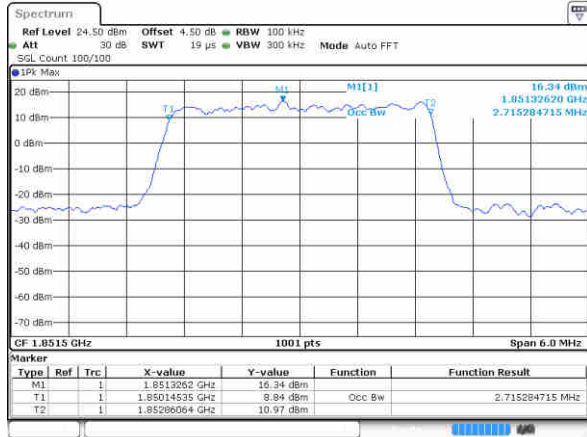
## Highest Channel / 1.4MHz / 16QAM



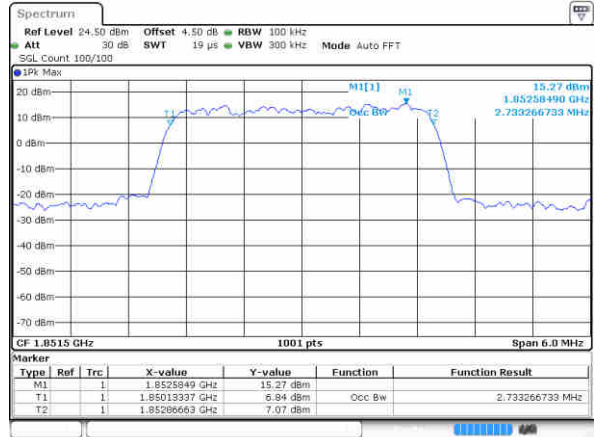


## LTE Band 2

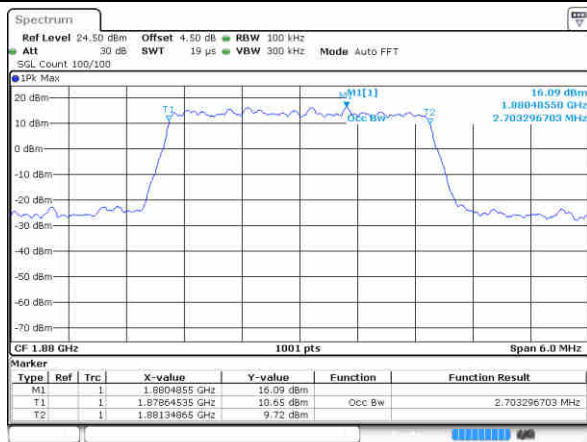
## Lowest Channel / 3MHz / QPSK



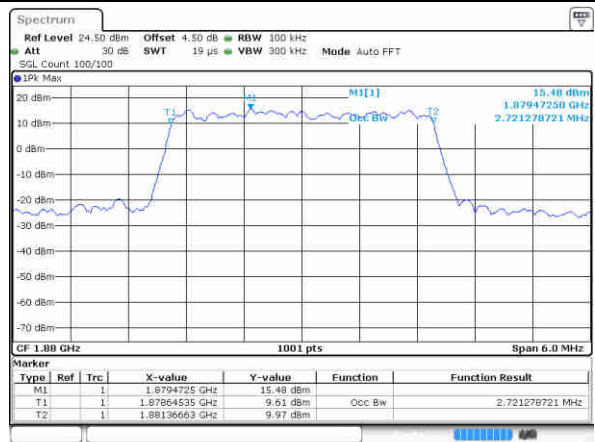
## Lowest Channel / 3MHz / 16QAM



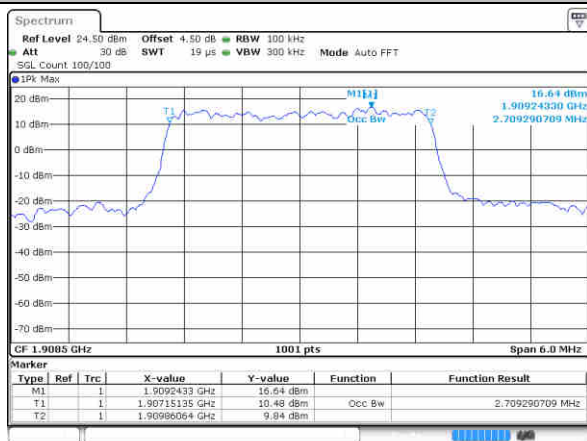
## Middle Channel / 3MHz / QPSK



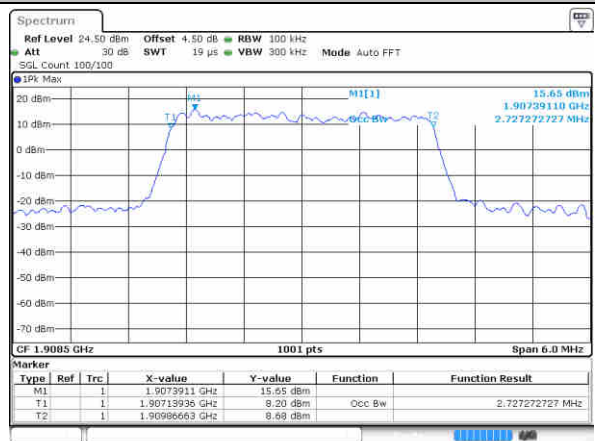
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



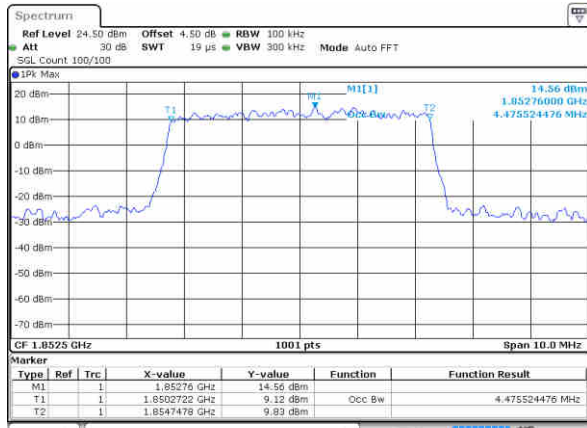
## Highest Channel / 3MHz / 16QAM





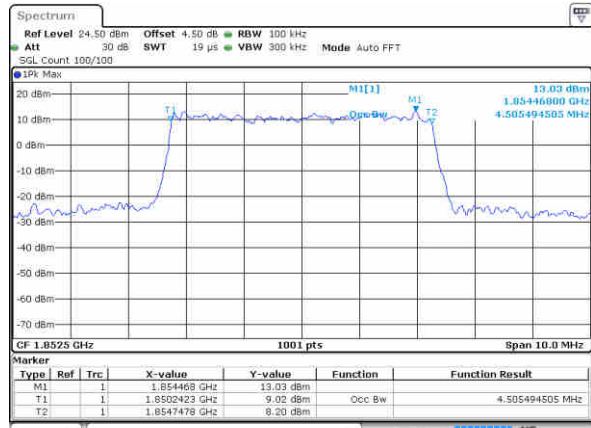
## LTE Band 2

## Lowest Channel / 5MHz / QPSK



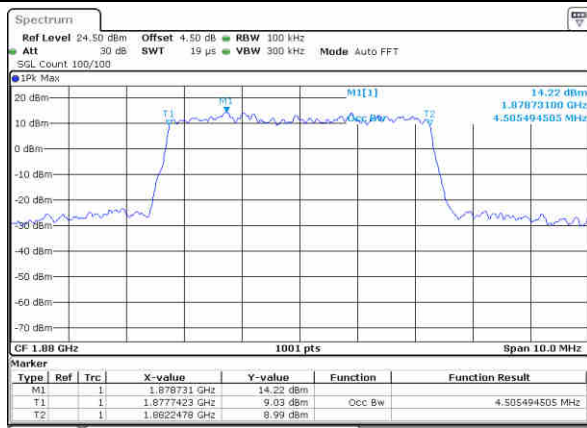
Date: 23 MAY 2017 17:03:29

## Lowest Channel / 5MHz / 16QAM



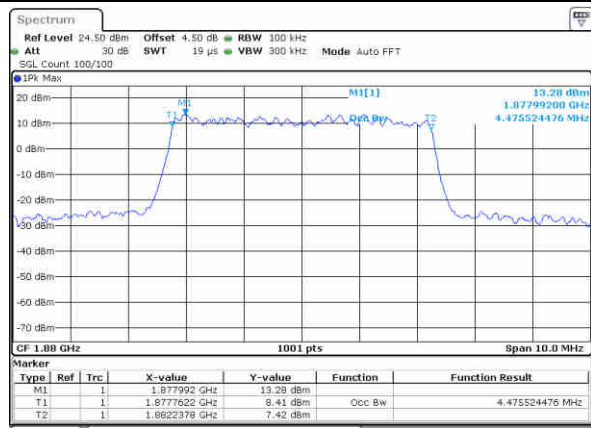
Date: 23 MAY 2017 17:03:39

## Middle Channel / 5MHz / QPSK



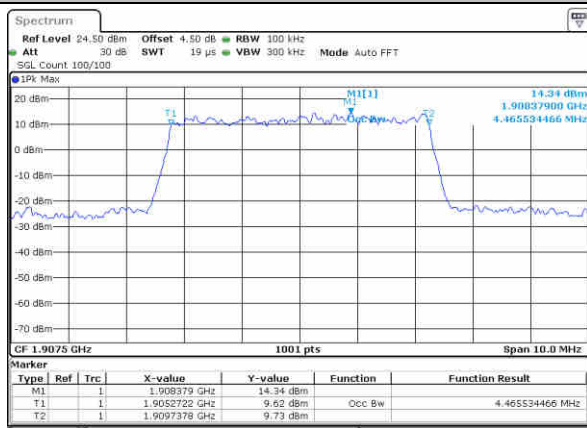
Date: 23 MAY 2017 17:10:28

## Middle Channel / 5MHz / 16QAM



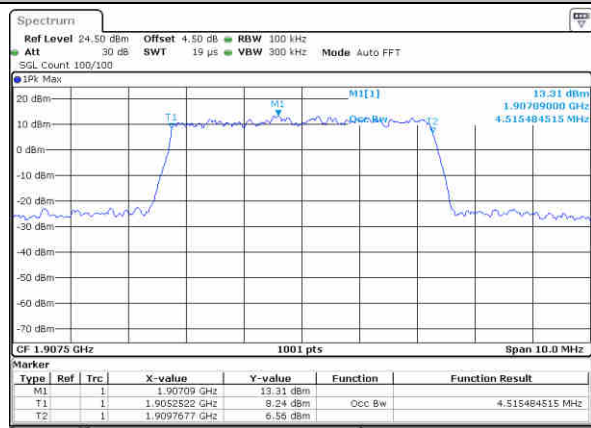
Date: 23 MAY 2017 17:10:38

## Highest Channel / 5MHz / QPSK



Date: 23 MAY 2017 18:34:34

## Highest Channel / 5MHz / 16QAM

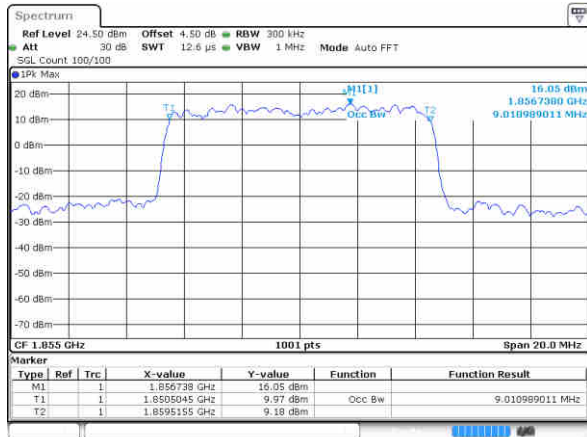


Date: 23 MAY 2017 18:34:57

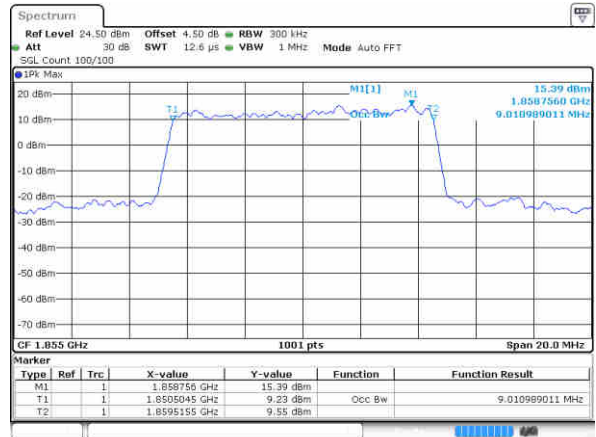


## LTE Band 2

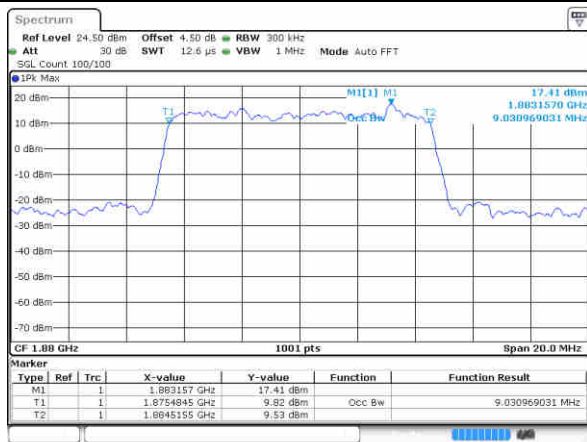
## Lowest Channel / 10MHz / QPSK



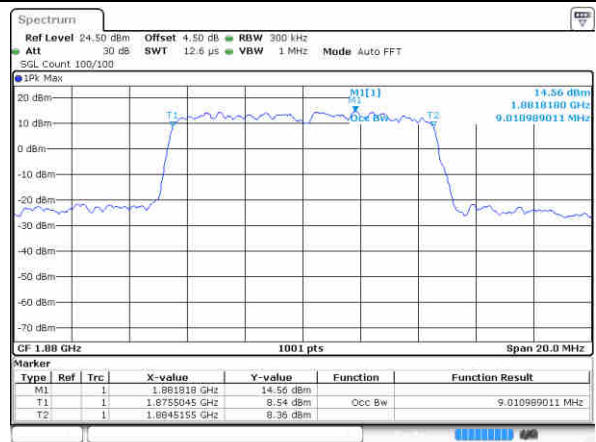
## Lowest Channel / 10MHz / 16QAM



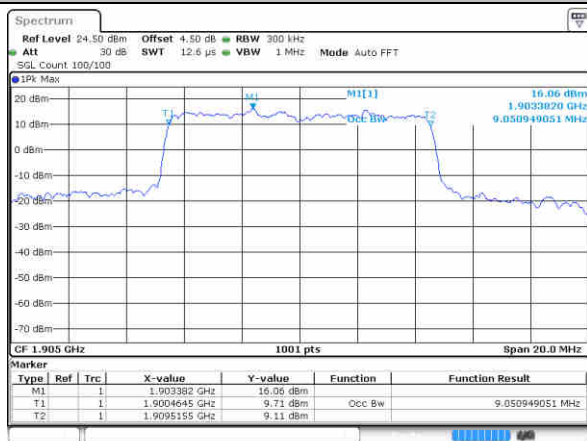
## Middle Channel / 10MHz / QPSK



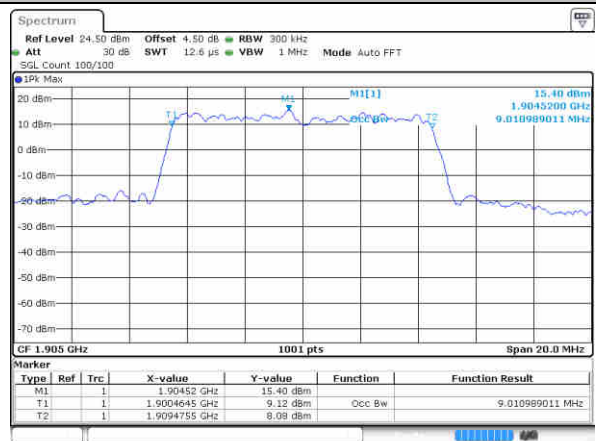
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



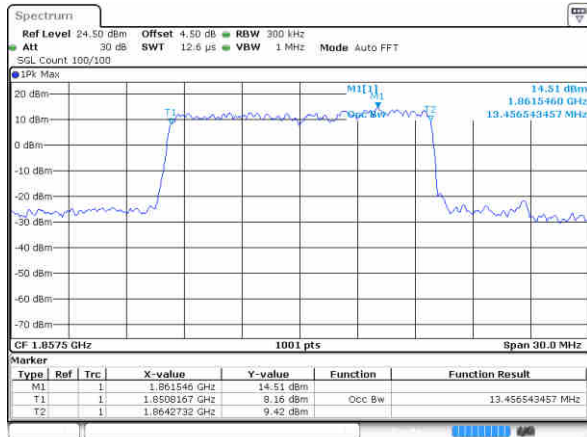
## Highest Channel / 10MHz / 16QAM



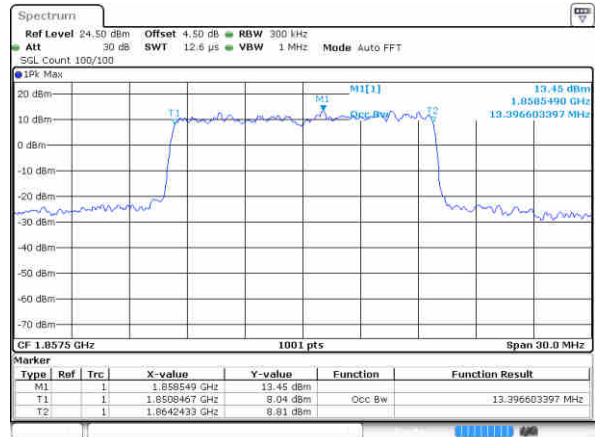


## LTE Band 2

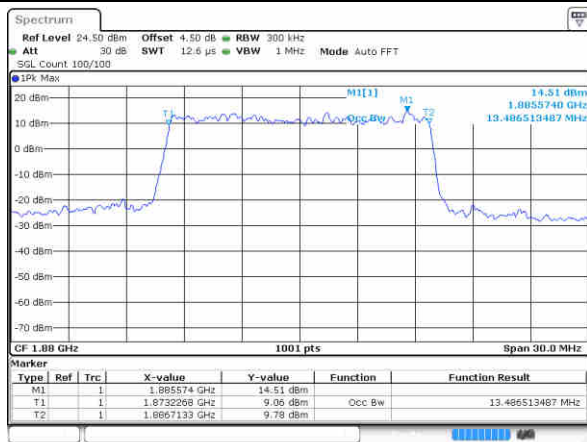
## Lowest Channel / 15MHz / QPSK



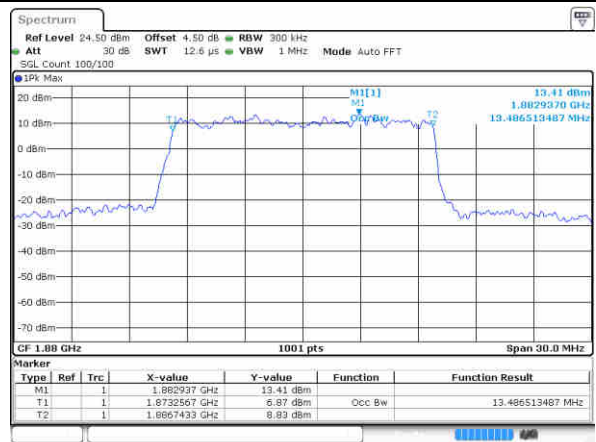
## Lowest Channel / 15MHz / 16QAM



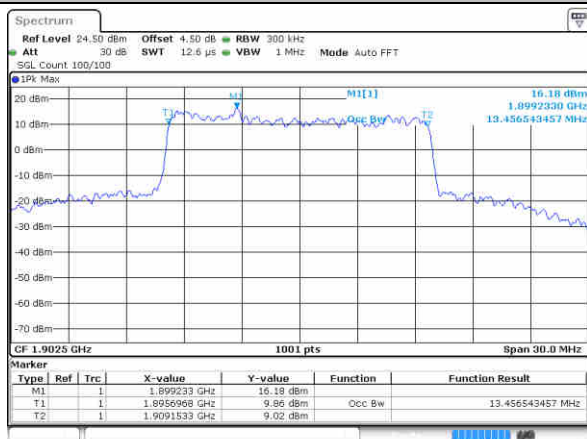
## Middle Channel / 15MHz / QPSK



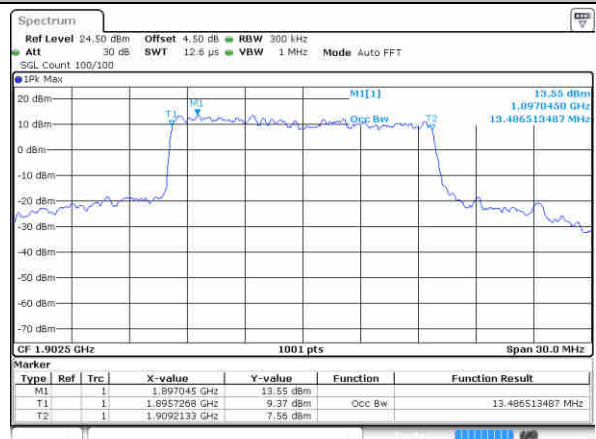
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



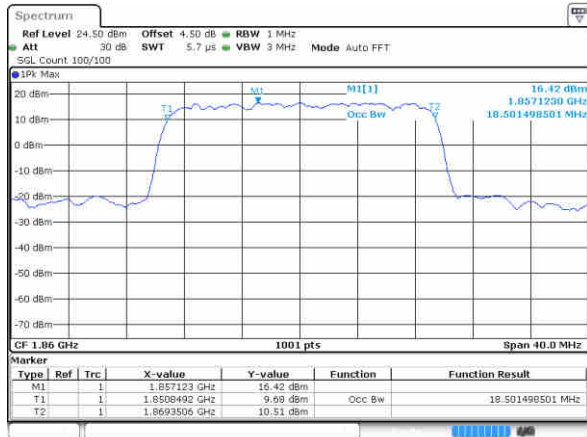
## Highest Channel / 15MHz / 16QAM



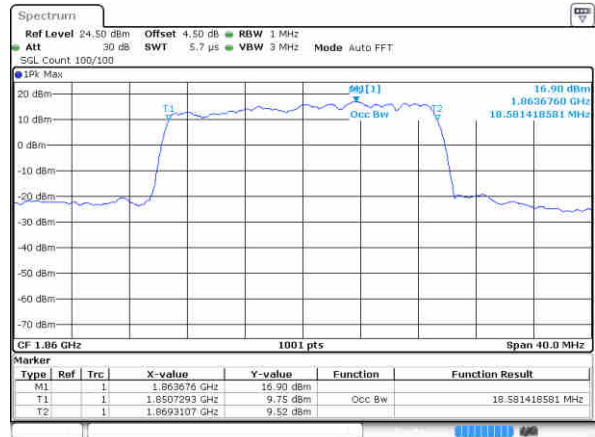


## LTE Band 2

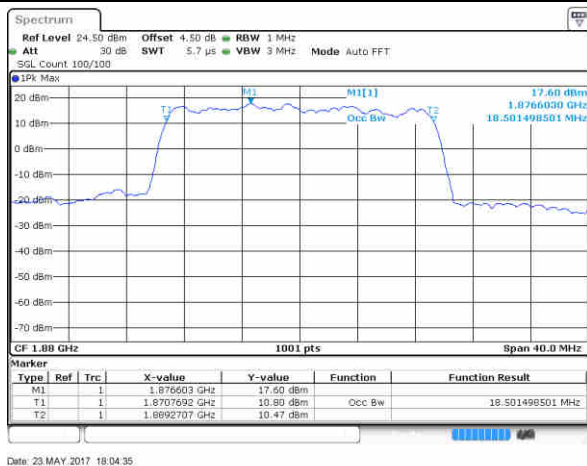
## Lowest Channel / 20MHz / QPSK



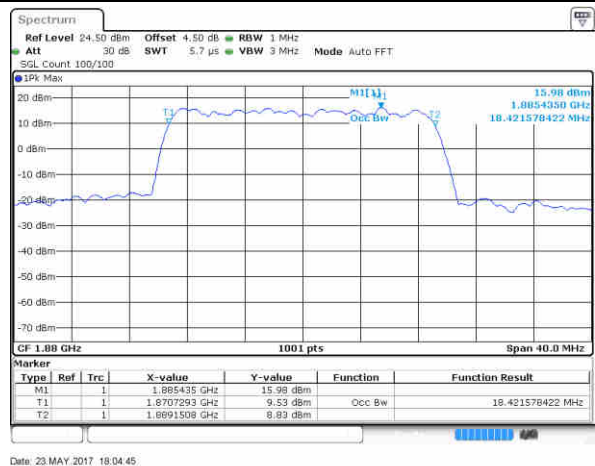
## Lowest Channel / 20MHz / 16QAM



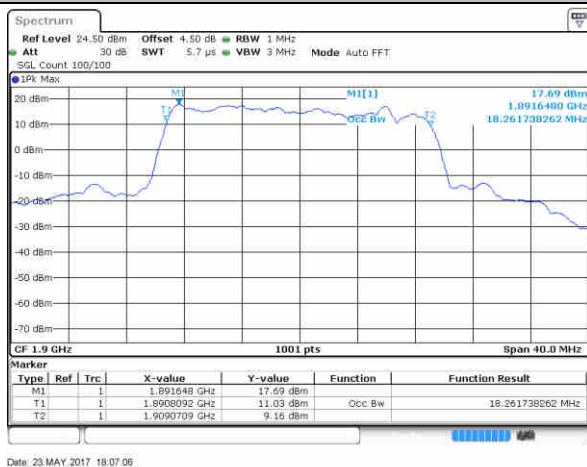
## Middle Channel / 20MHz / QPSK



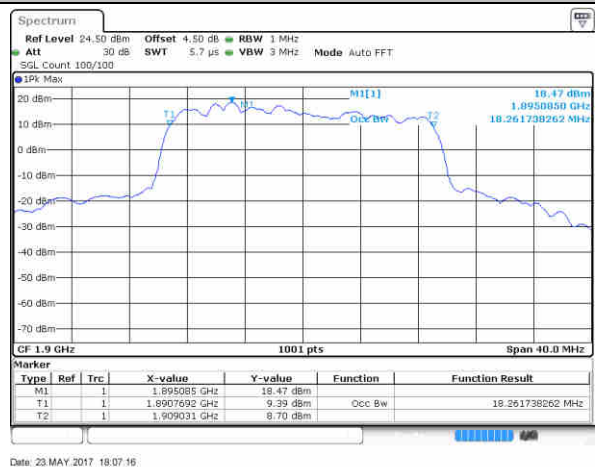
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



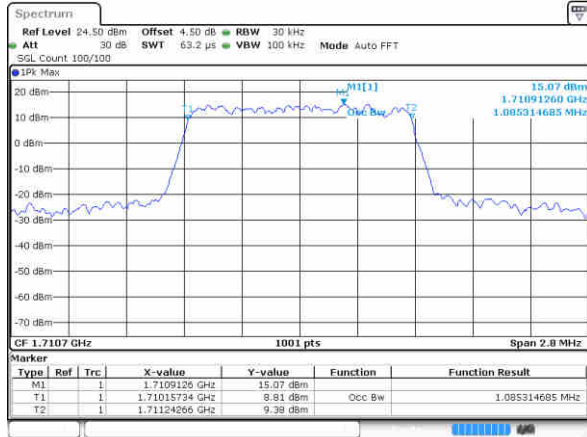
## Highest Channel / 20MHz / 16QAM



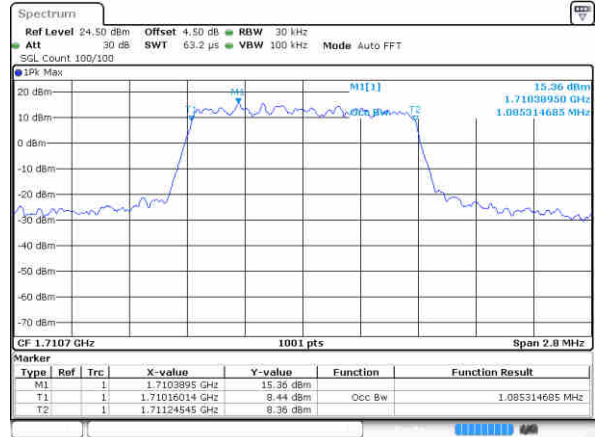


## LTE Band 4

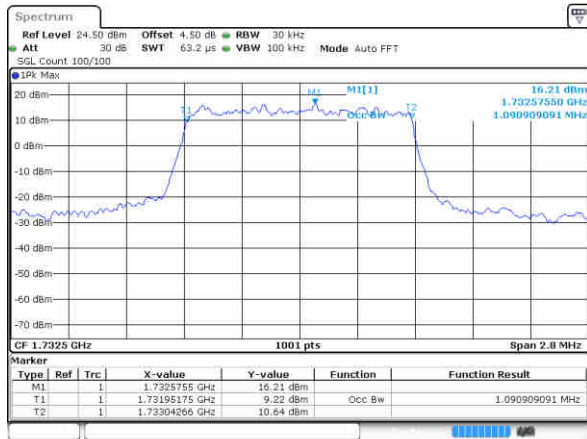
## Lowest Channel / 1.4MHz / QPSK



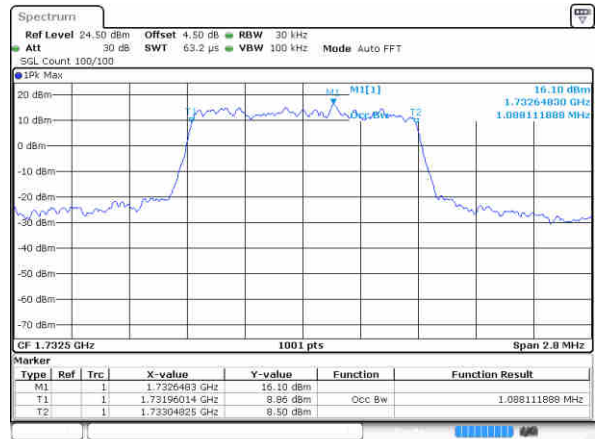
## Lowest Channel / 1.4MHz / 16QAM



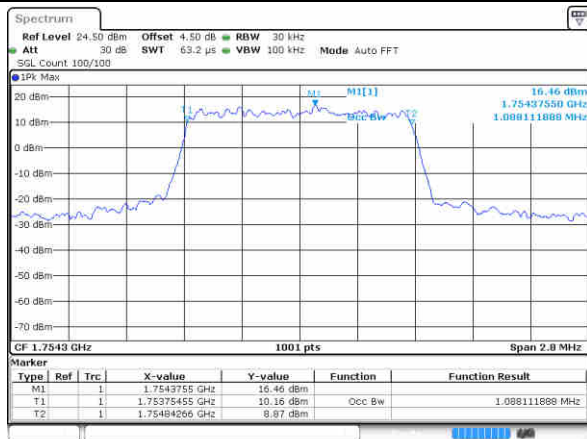
## Middle Channel / 1.4MHz / QPSK



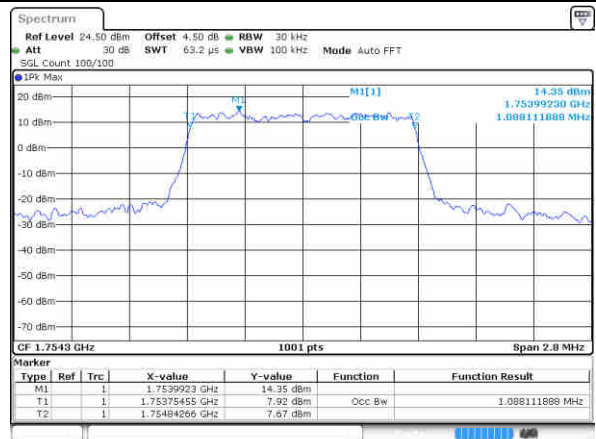
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



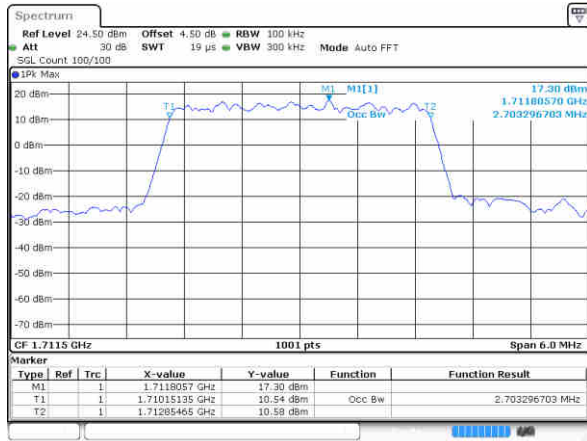
## Highest Channel / 1.4MHz / 16QAM



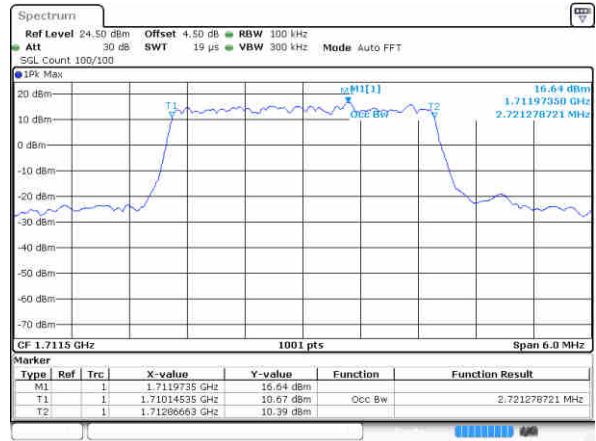


## LTE Band 4

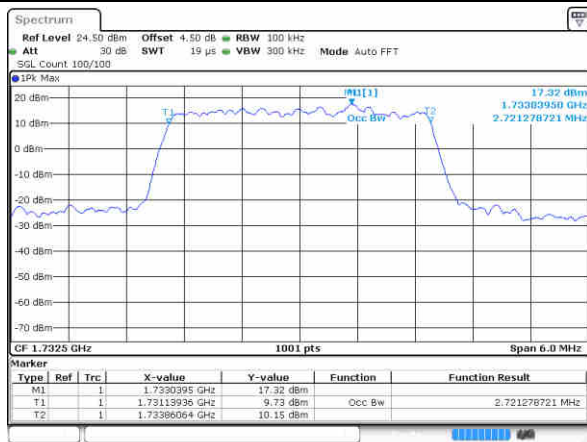
## Lowest Channel / 3MHz / QPSK



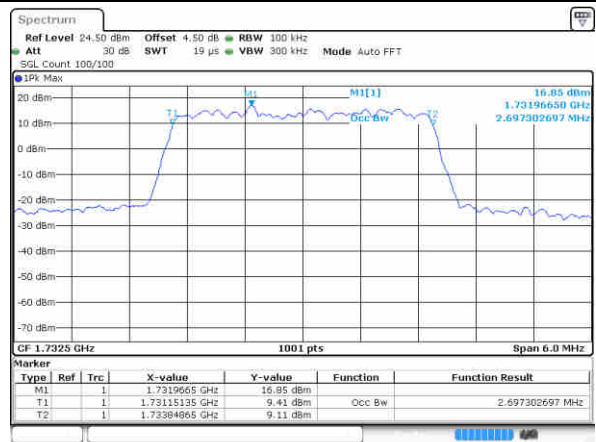
## Lowest Channel / 3MHz / 16QAM



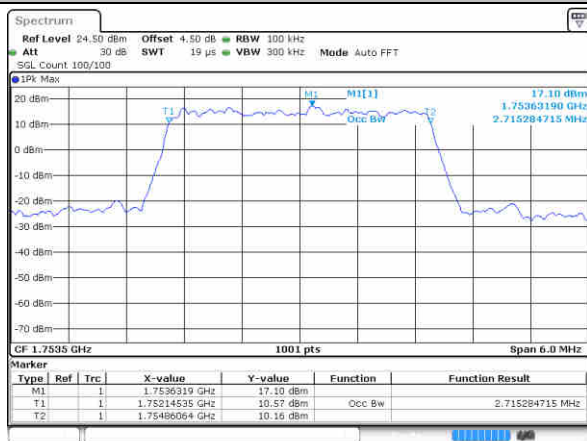
## Middle Channel / 3MHz / QPSK



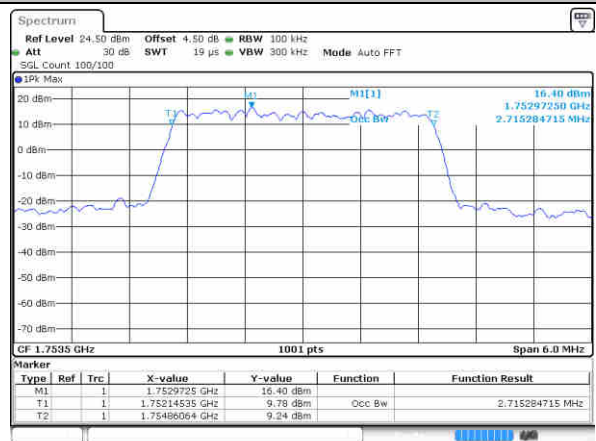
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



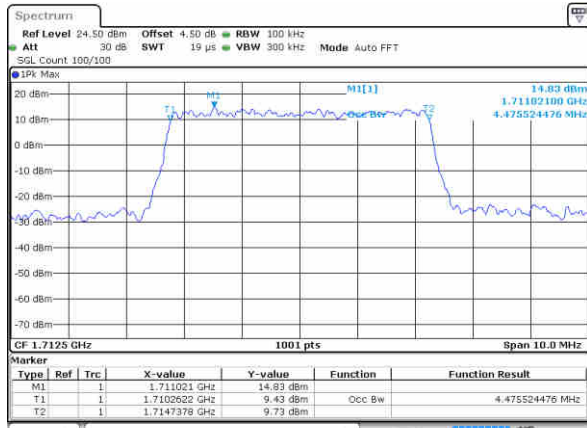
## Highest Channel / 3MHz / 16QAM



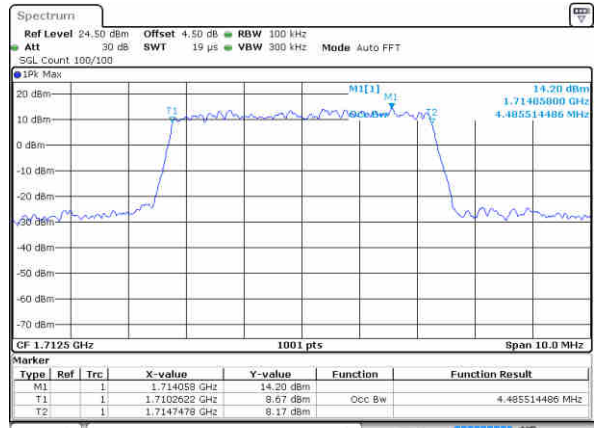


## LTE Band 4

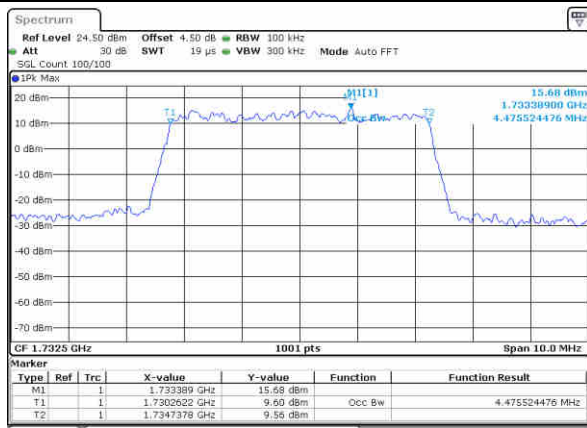
## Lowest Channel / 5MHz / QPSK



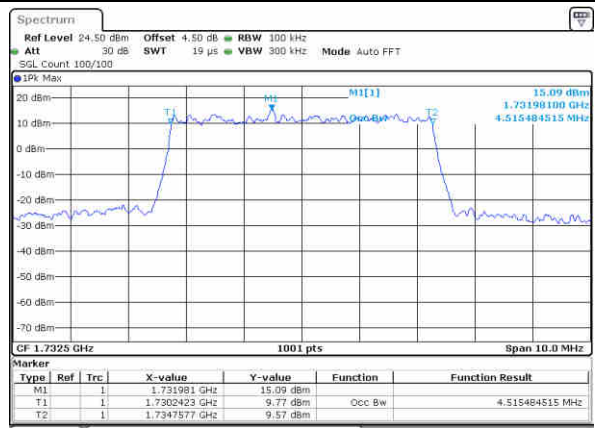
## Lowest Channel / 5MHz / 16QAM



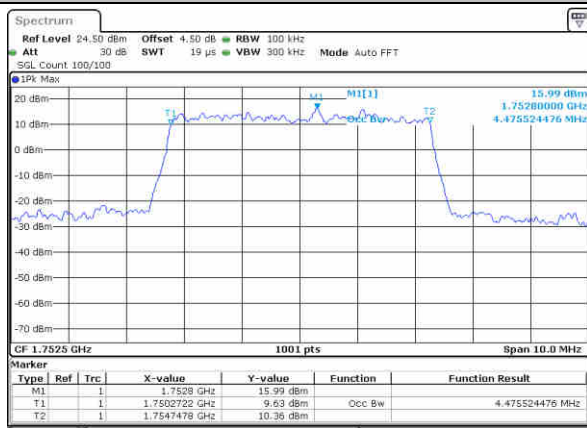
## Middle Channel / 5MHz / QPSK



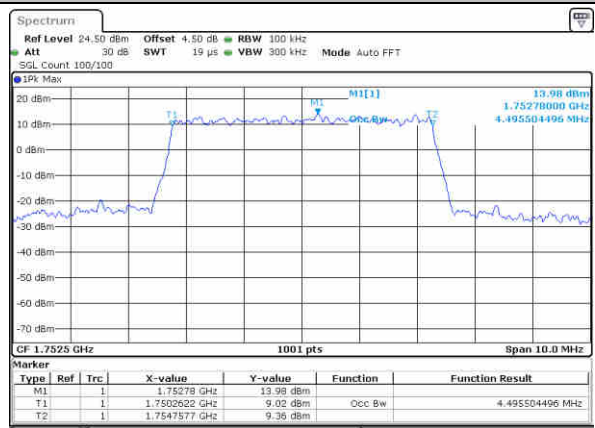
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



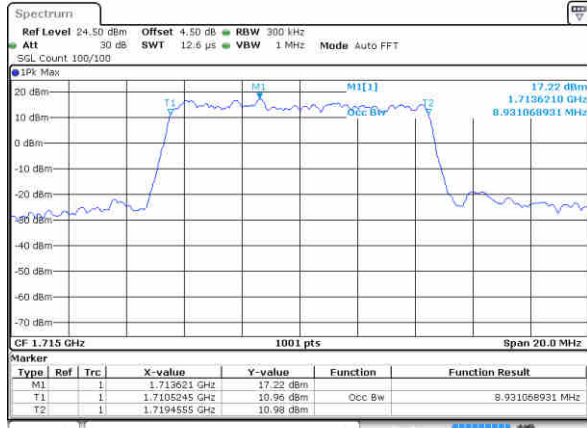
## Highest Channel / 5MHz / 16QAM



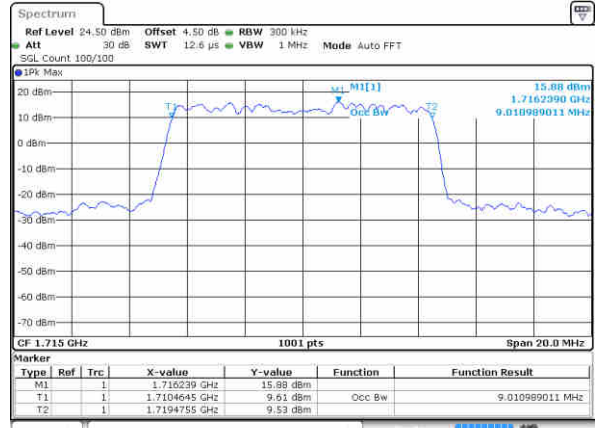


## LTE Band 4

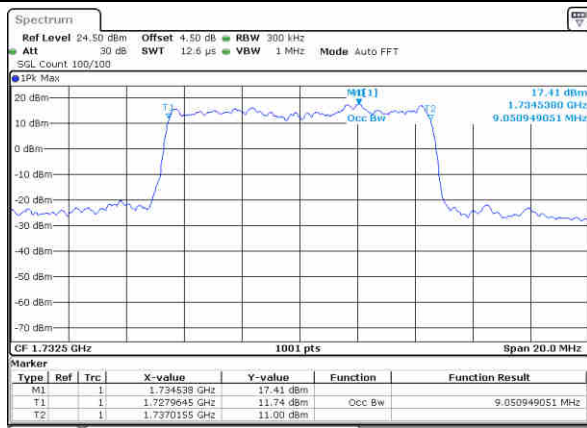
## Lowest Channel / 10MHz / QPSK



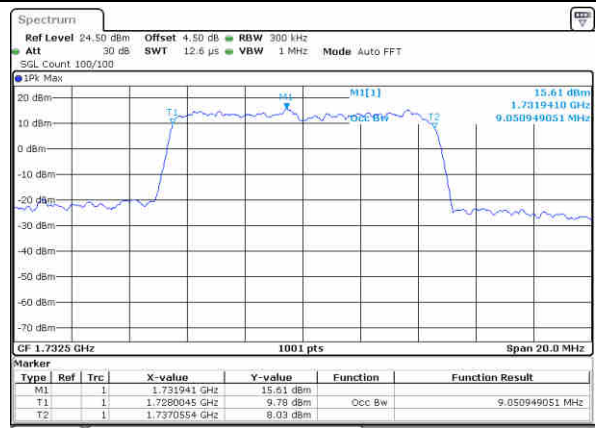
## Lowest Channel / 10MHz / 16QAM



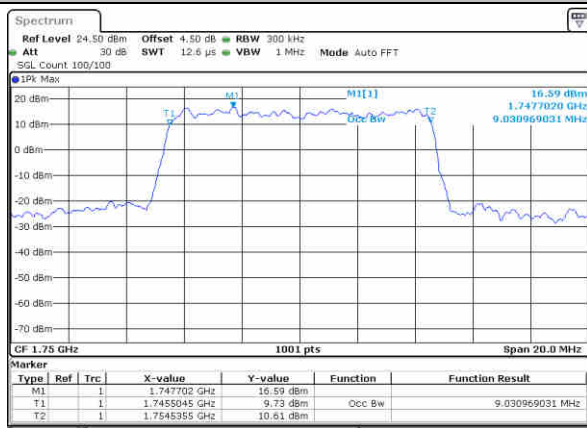
## Middle Channel / 10MHz / QPSK



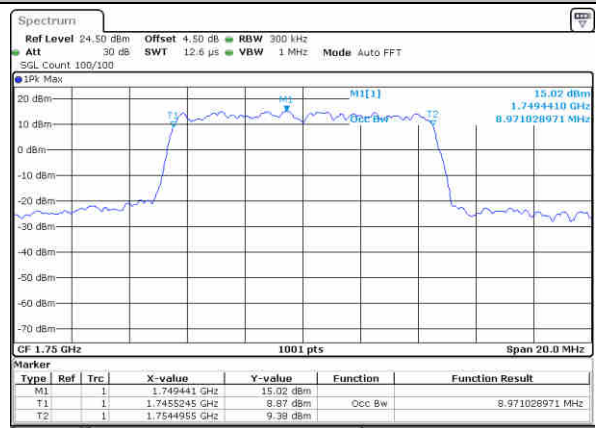
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



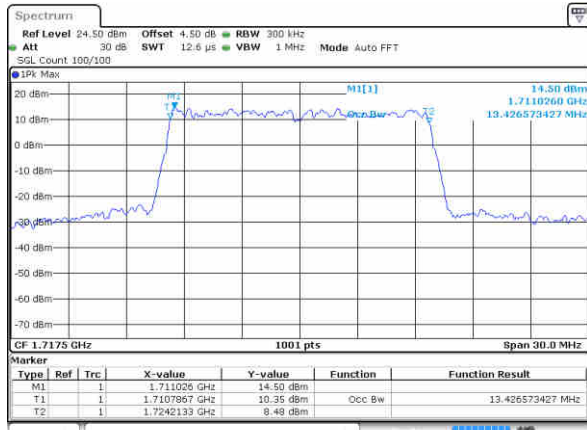
## Highest Channel / 10MHz / 16QAM





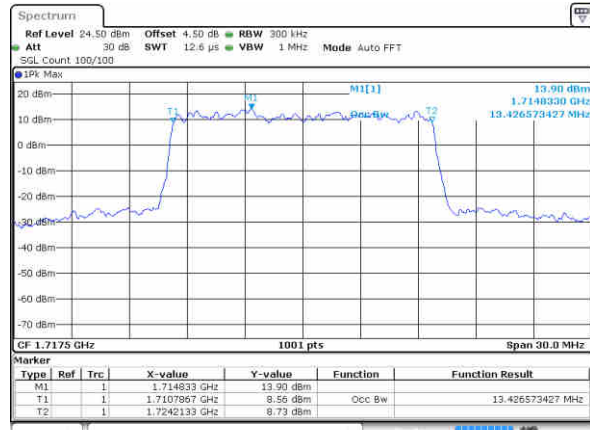
## LTE Band 4

## Lowest Channel / 15MHz / QPSK



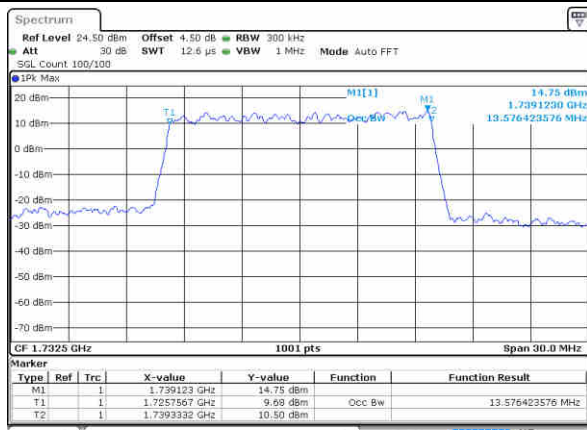
Date: 23 MAY 2017 21:22:00

## Lowest Channel / 15MHz / 16QAM



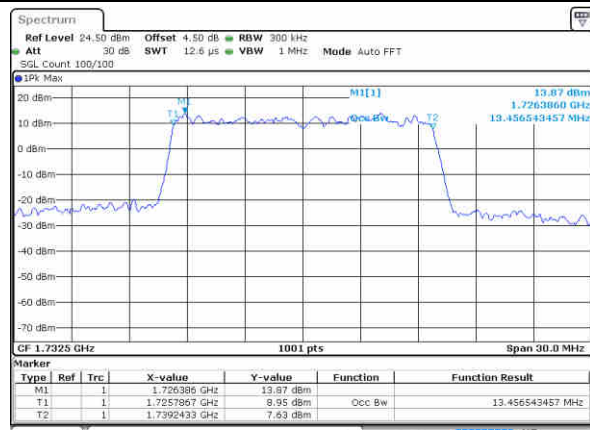
Date: 23 MAY 2017 21:22:11

## Middle Channel / 15MHz / QPSK



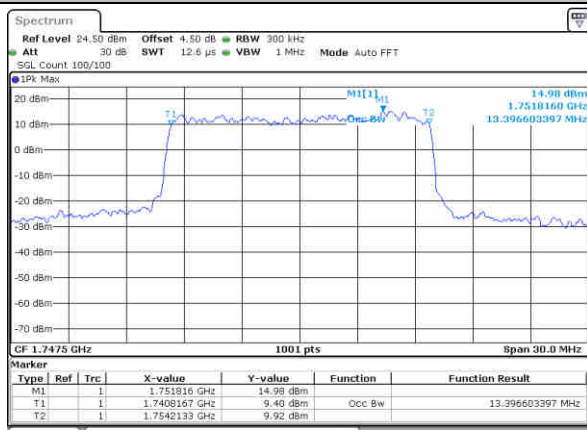
Date: 23 MAY 2017 21:28:05

## Middle Channel / 15MHz / 16QAM



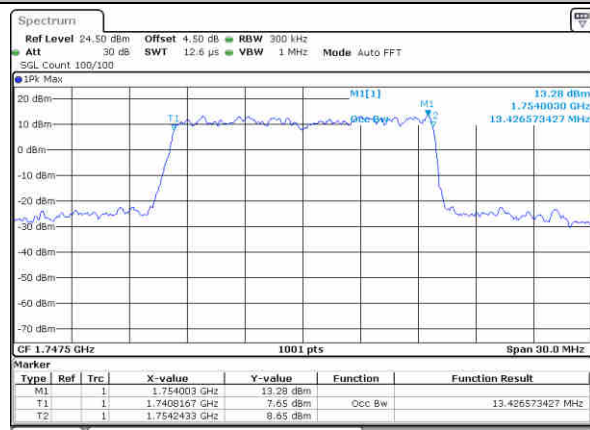
Date: 23 MAY 2017 21:28:16

## Highest Channel / 15MHz / QPSK



Date: 23 MAY 2017 21:31:40

## Highest Channel / 15MHz / 16QAM

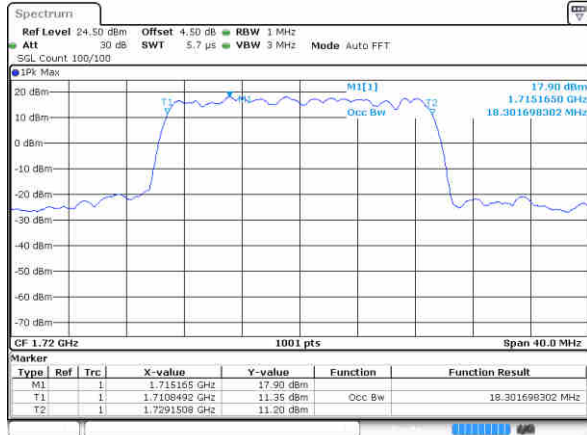


Date: 23 MAY 2017 21:31:50

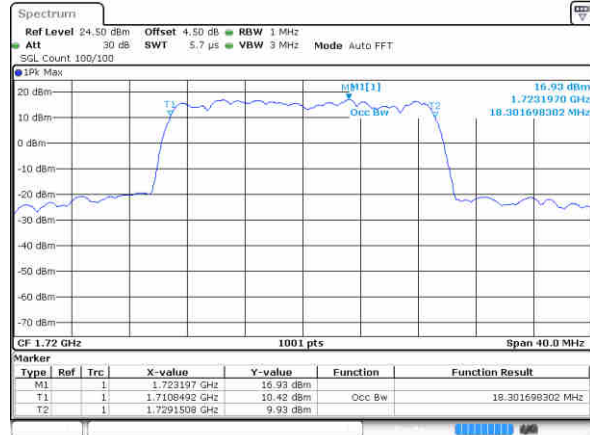


## LTE Band 4

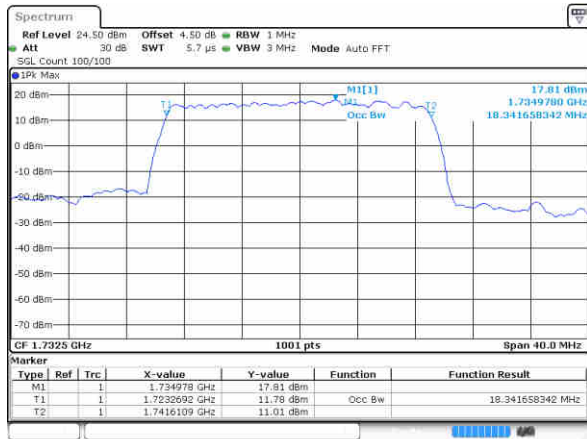
## Lowest Channel / 20MHz / QPSK



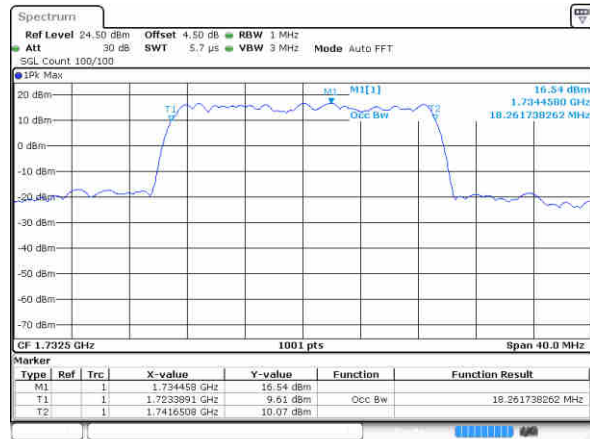
## Lowest Channel / 20MHz / 16QAM



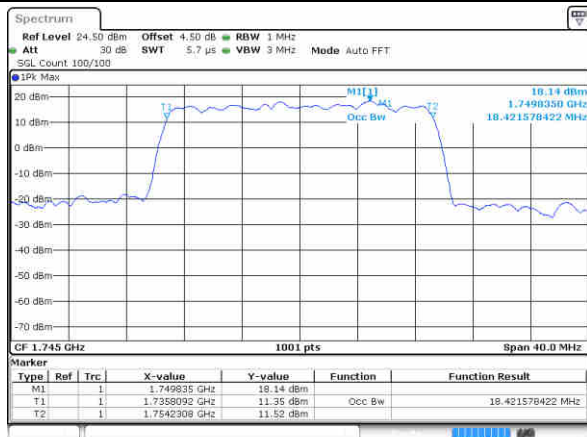
## Middle Channel / 20MHz / QPSK



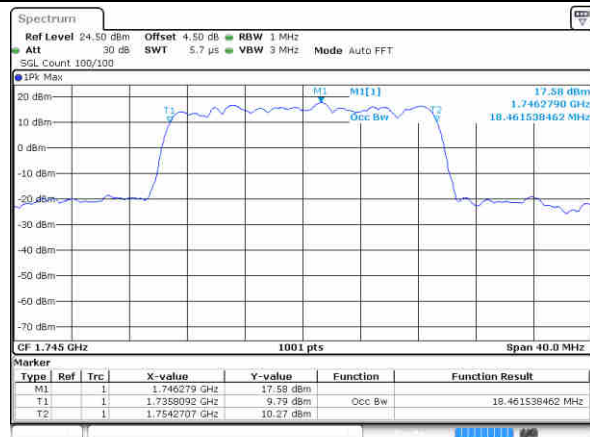
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



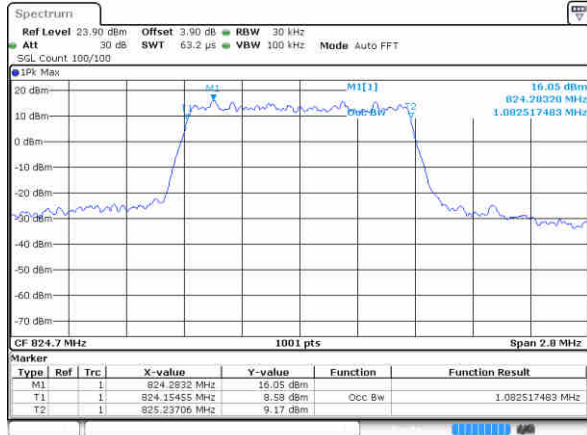
## Highest Channel / 20MHz / 16QAM





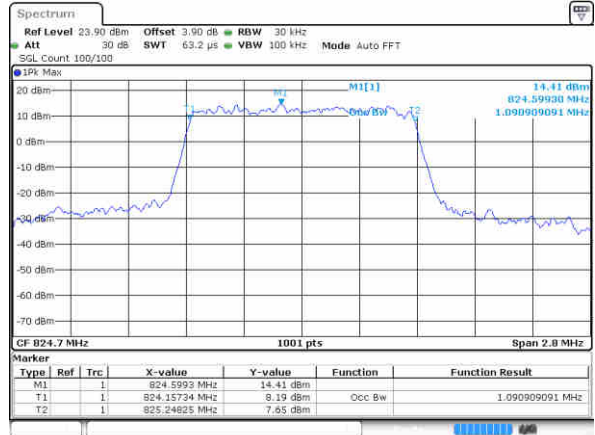
## LTE Band 5

## Lowest Channel / 1.4MHz / QPSK



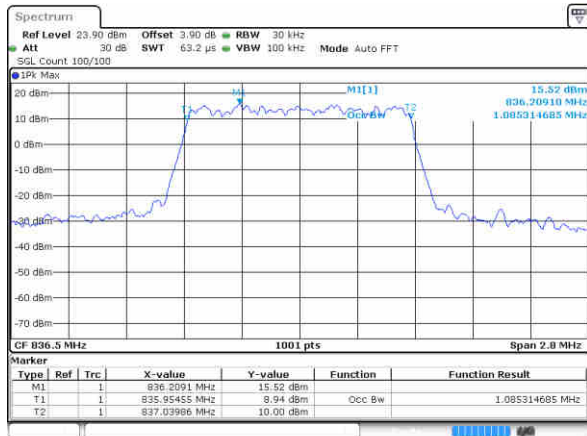
Date: 24 MAY 2017 10:17:18

## Lowest Channel / 1.4MHz / 16QAM



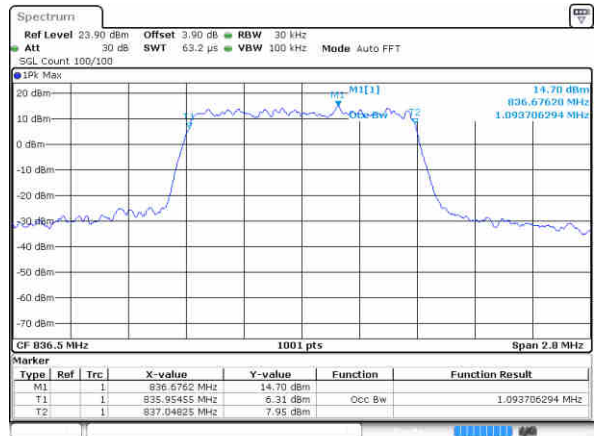
Date: 24 MAY 2017 10:17:29

## Middle Channel / 1.4MHz / QPSK



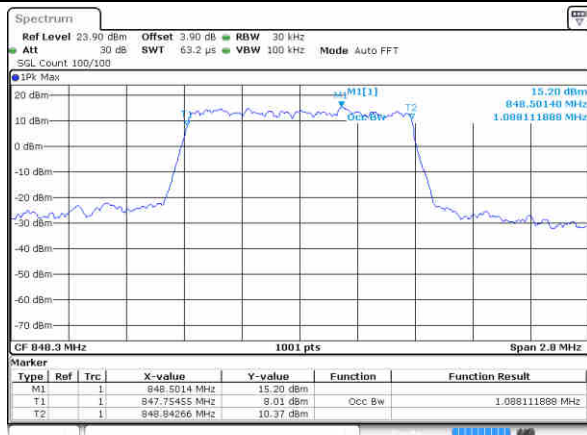
Date: 24 MAY 2017 10:26:23

## Middle Channel / 1.4MHz / 16QAM



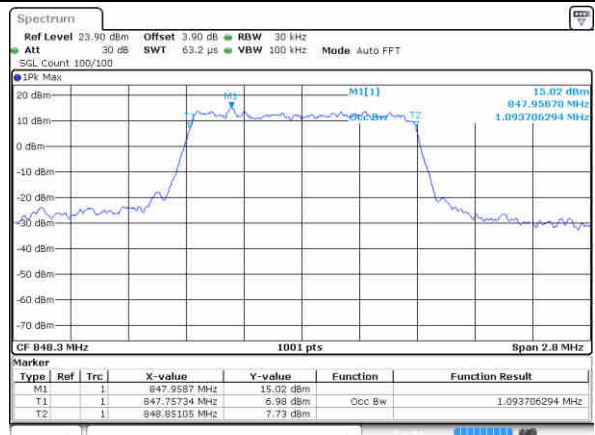
Date: 24 MAY 2017 10:26:34

## Highest Channel / 1.4MHz / QPSK



Date: 24 MAY 2017 10:28:55

## Highest Channel / 1.4MHz / 16QAM

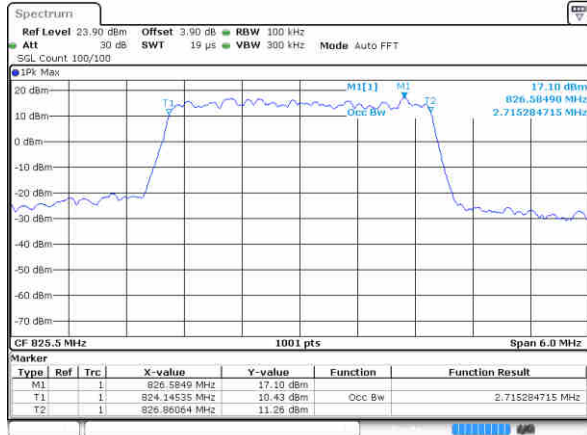


Date: 24 MAY 2017 10:29:06

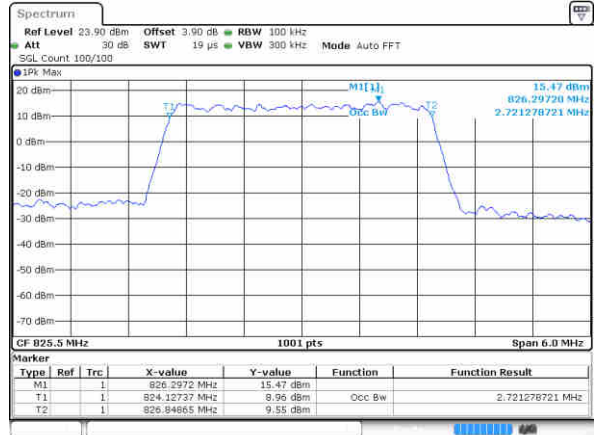


## LTE Band 5

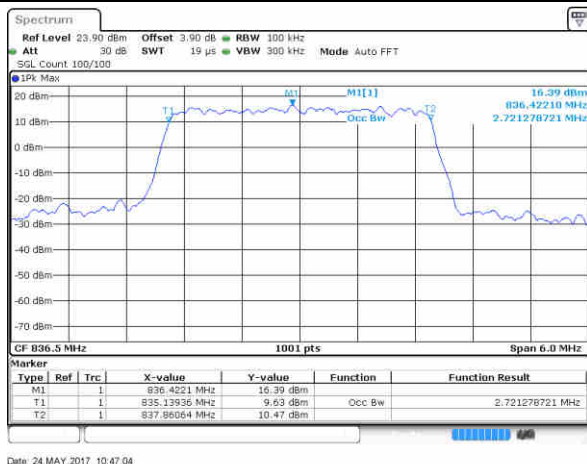
## Lowest Channel / 3MHz / QPSK



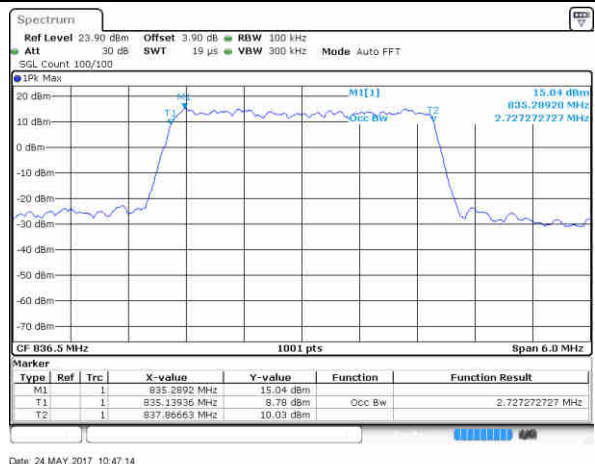
## Lowest Channel / 3MHz / 16QAM



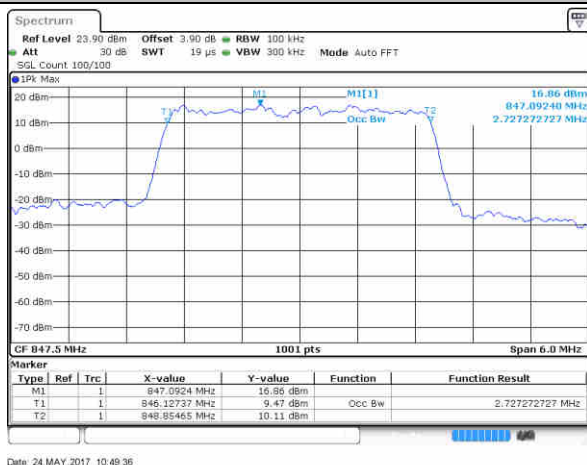
## Middle Channel / 3MHz / QPSK



## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



## Highest Channel / 3MHz / 16QAM

