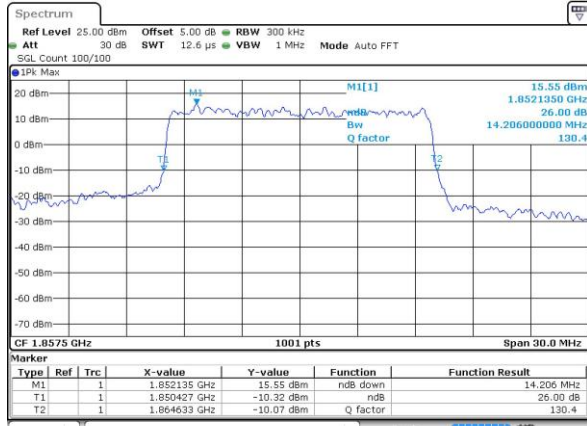




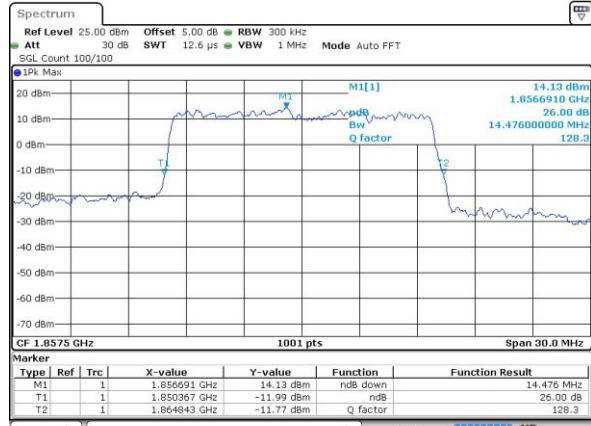
## LTE Band 2

## Lowest Channel / 15MHz / QPSK



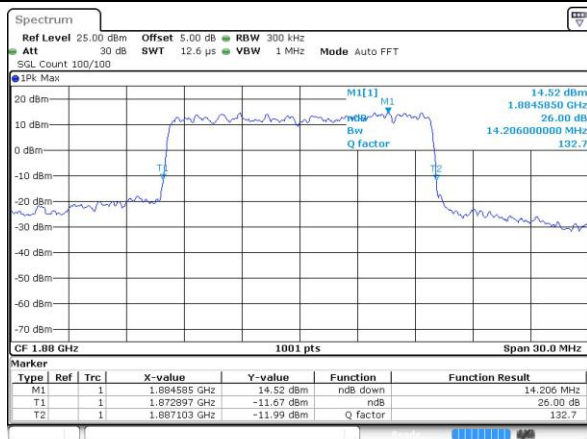
Date: 20 APR 2016 00:08:33

## Lowest Channel / 15MHz / 16QAM



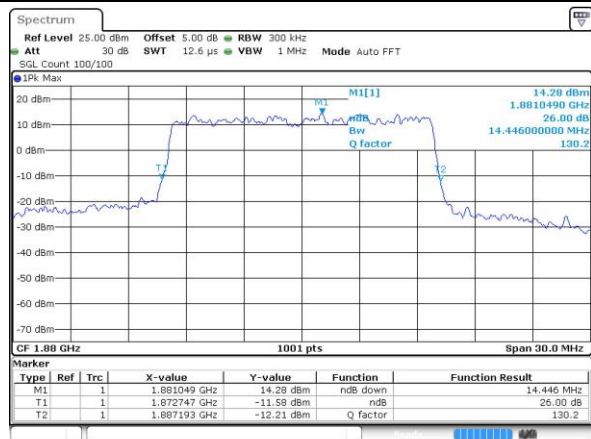
Date: 20 APR 2016 00:08:44

## Middle Channel / 15MHz / QPSK



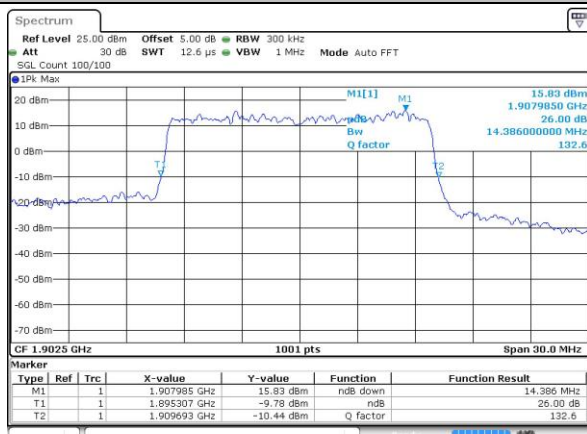
Date: 20 APR 2016 00:15:37

## Middle Channel / 15MHz / 16QAM



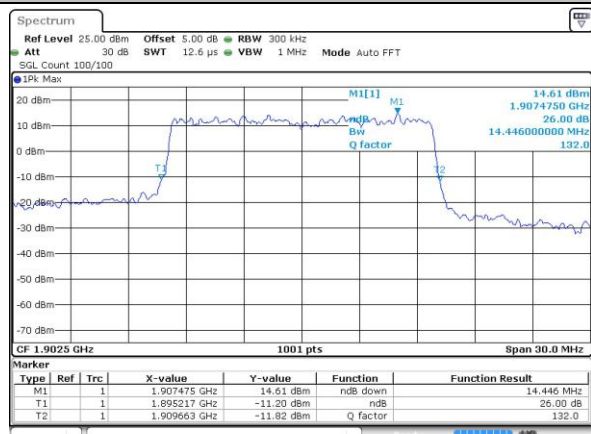
Date: 20 APR 2016 00:15:48

## Highest Channel / 15MHz / QPSK



Date: 20 APR 2016 00:18:10

## Highest Channel / 15MHz / 16QAM

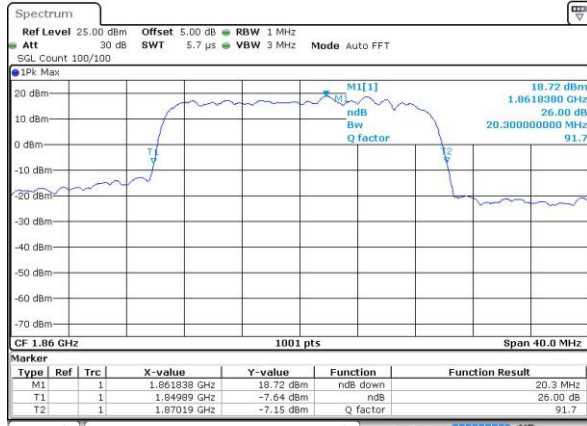


Date: 20 APR 2016 00:18:21

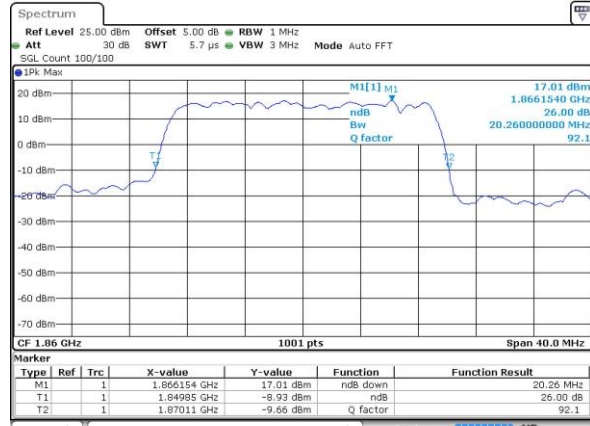


## LTE Band 2

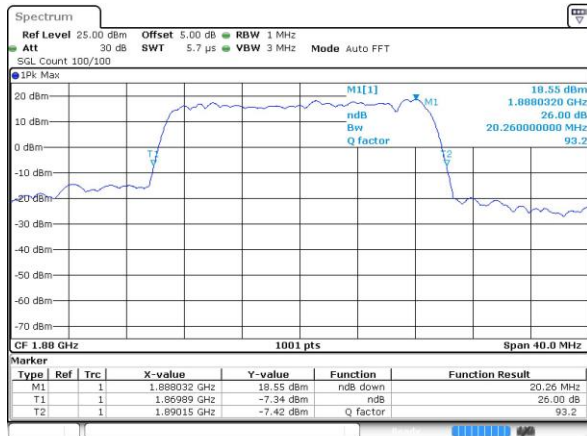
## Lowest Channel / 20MHz / QPSK



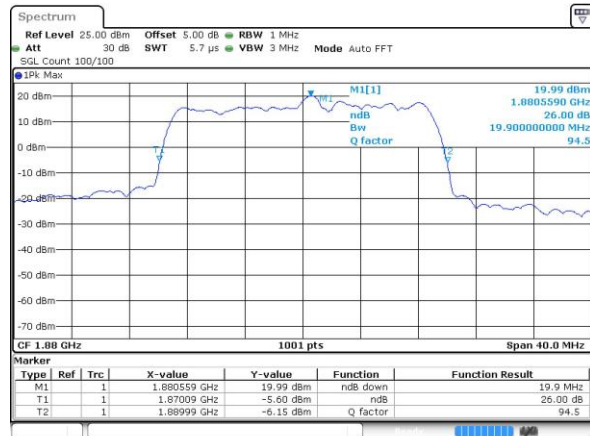
## Lowest Channel / 20MHz / 16QAM



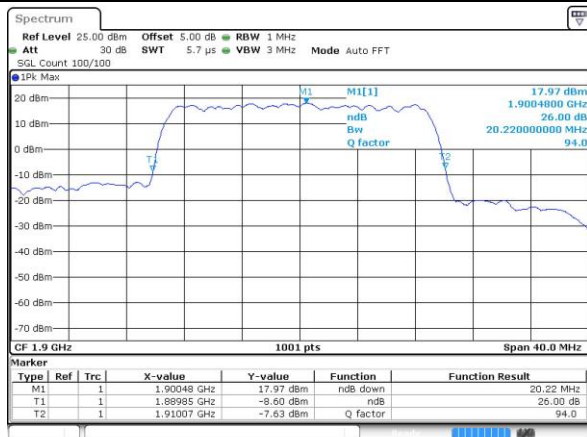
## Middle Channel / 20MHz / QPSK



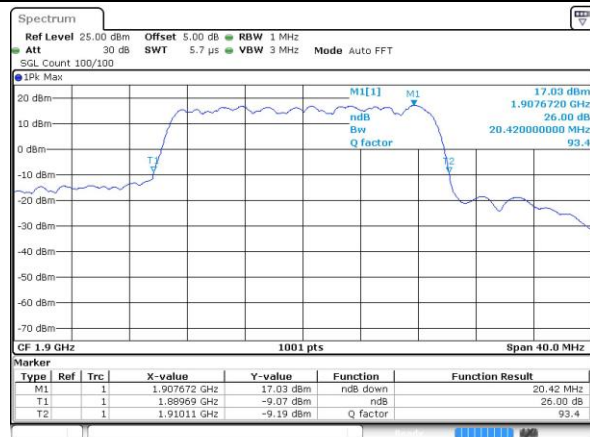
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



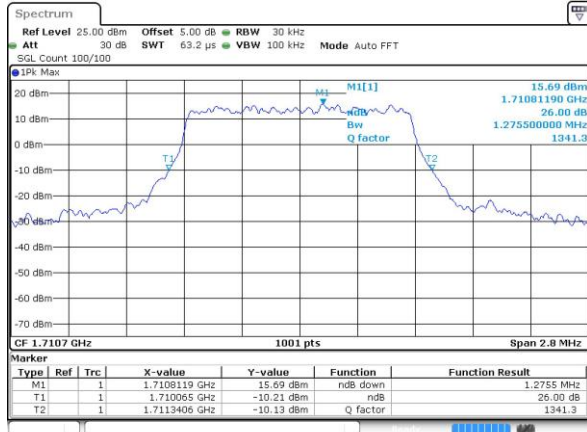
## Highest Channel / 20MHz / 16QAM





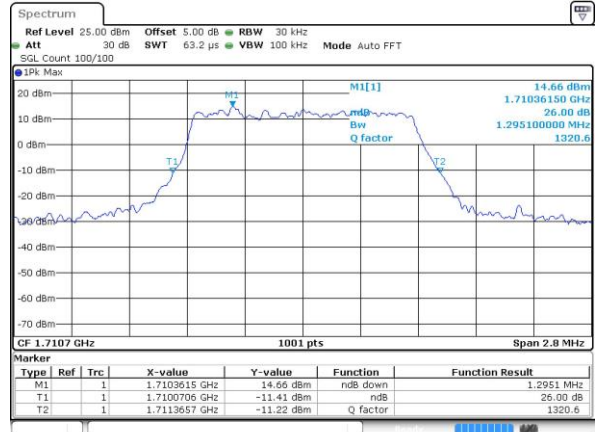
## LTE Band 4

## Lowest Channel / 1.4MHz / QPSK



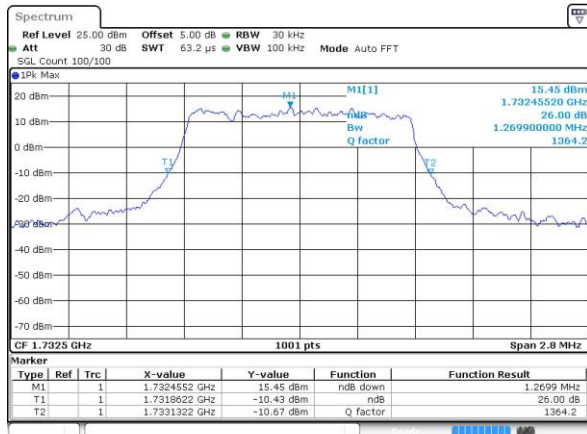
Date: 20 APR 2016 09:23:28

## Lowest Channel / 1.4MHz / 16QAM



Date: 20 APR 2016 09:23:39

## Middle Channel / 1.4MHz / QPSK



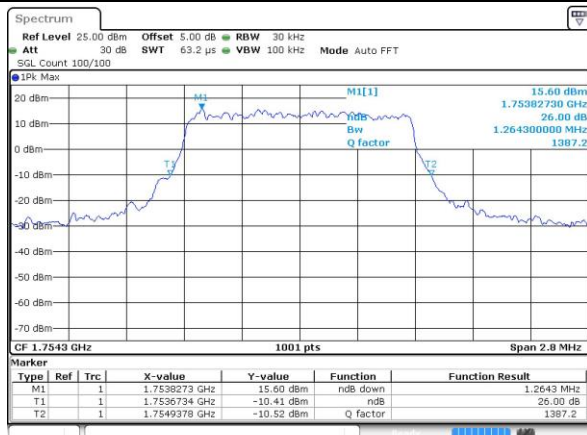
Date: 20 APR 2016 09:30:33

## Middle Channel / 1.4MHz / 16QAM



Date: 20 APR 2016 09:30:44

## Highest Channel / 1.4MHz / QPSK



Date: 20 APR 2016 09:33:06

## Highest Channel / 1.4MHz / 16QAM

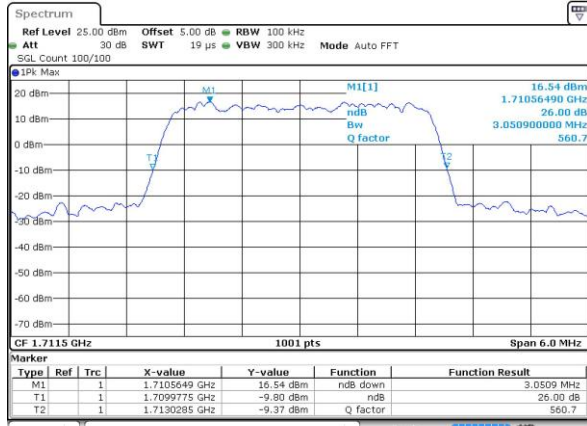


Date: 20 APR 2016 09:33:17



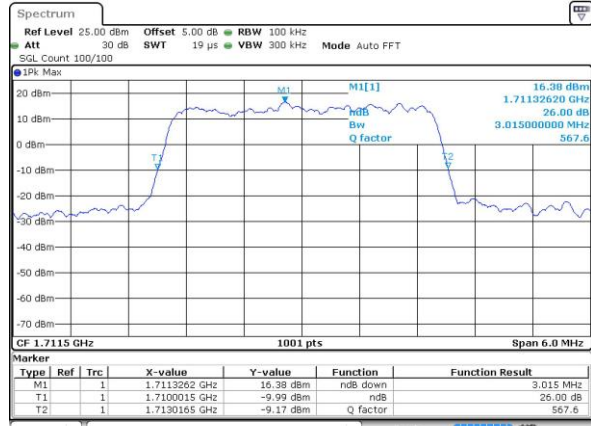
## LTE Band 4

## Lowest Channel / 3MHz / QPSK



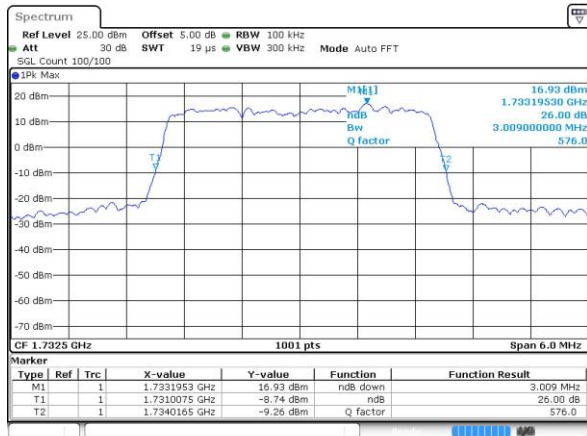
Date: 20 APR 2016 09:40:11

## Lowest Channel / 3MHz / 16QAM



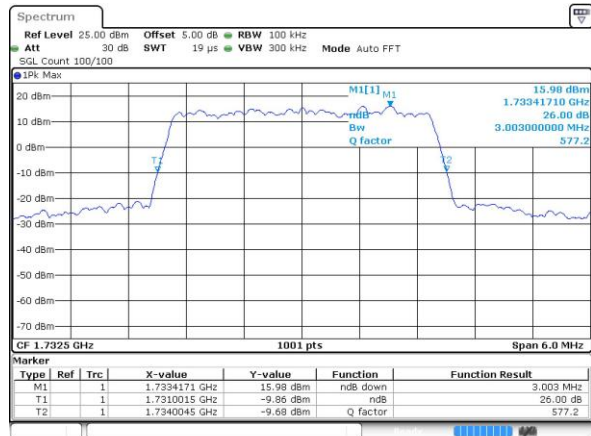
Date: 20 APR 2016 09:40:22

## Middle Channel / 3MHz / QPSK



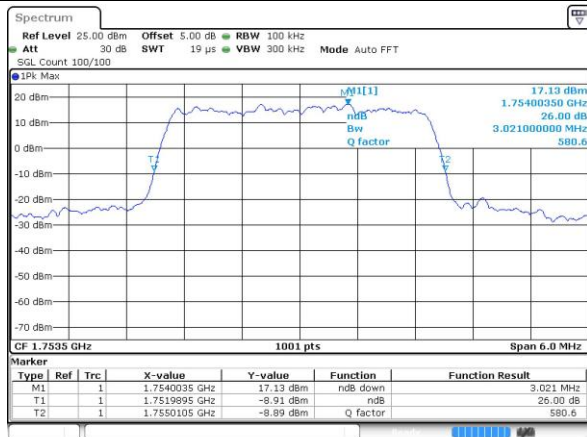
Date: 20 APR 2016 09:47:16

## Middle Channel / 3MHz / 16QAM



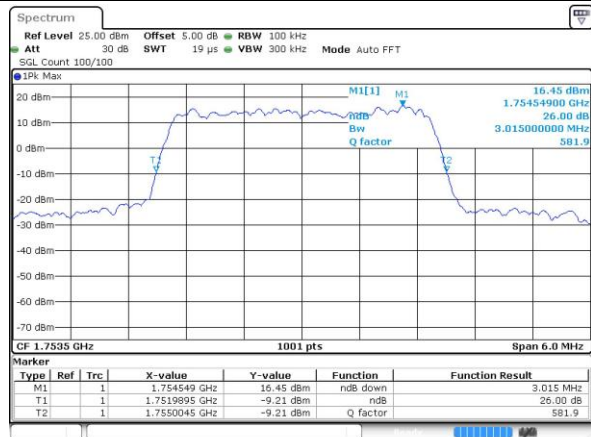
Date: 20 APR 2016 09:47:27

## Highest Channel / 3MHz / QPSK



Date: 20 APR 2016 09:49:49

## Highest Channel / 3MHz / 16QAM

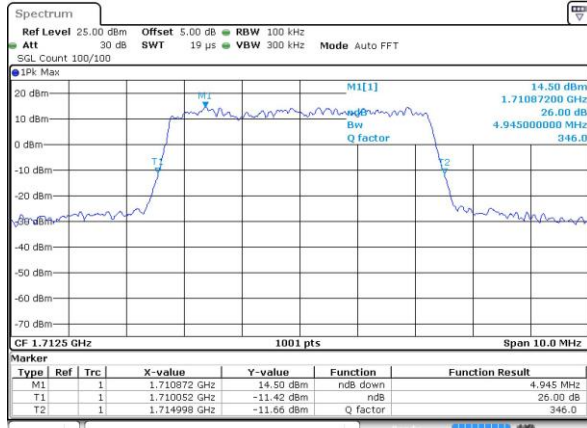


Date: 20 APR 2016 09:49:59

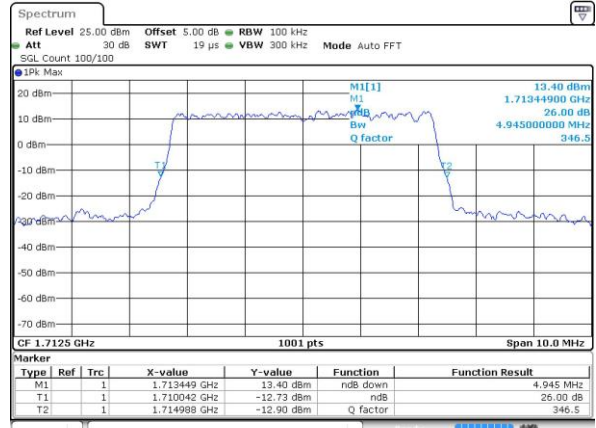


## LTE Band 4

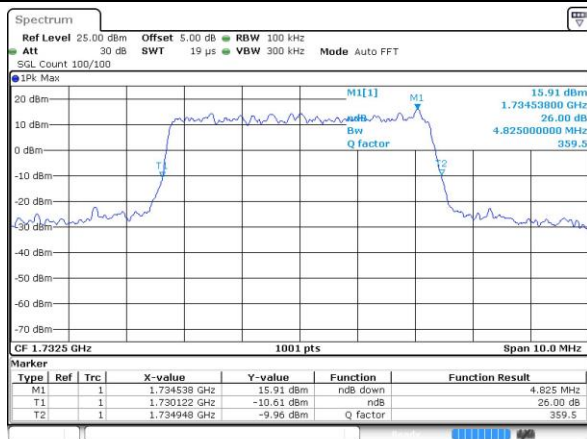
## Lowest Channel / 5MHz / QPSK



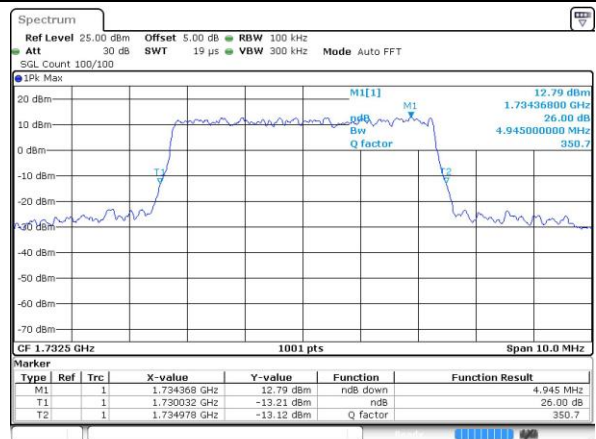
## Lowest Channel / 5MHz / 16QAM



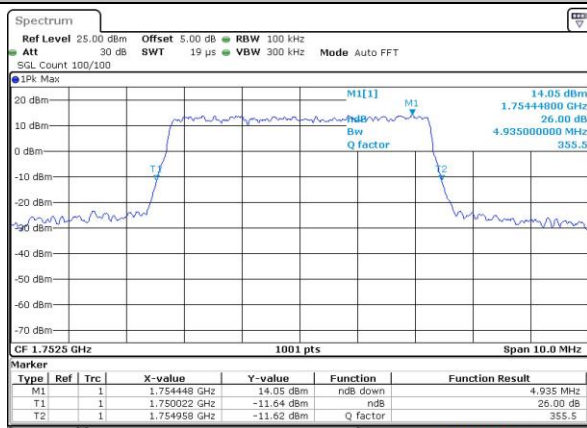
## Middle Channel / 5MHz / QPSK



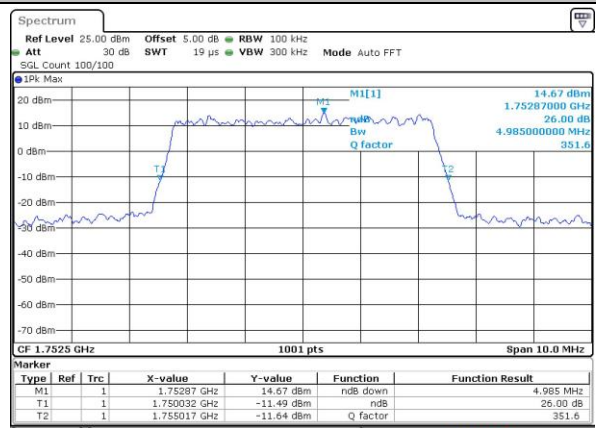
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



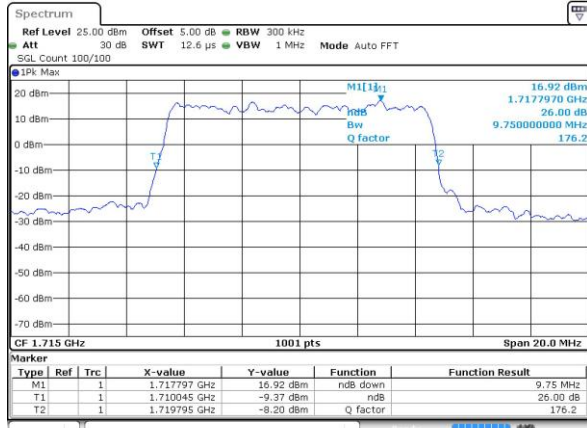
## Highest Channel / 5MHz / 16QAM



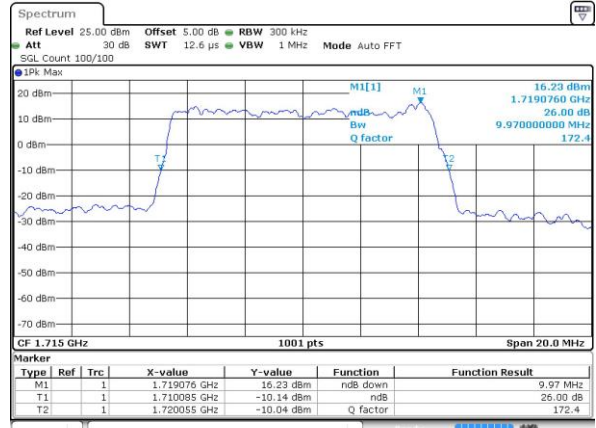


## LTE Band 4

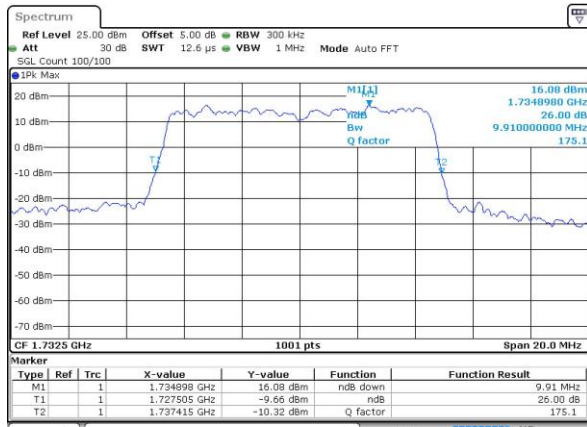
## Lowest Channel / 10MHz / QPSK



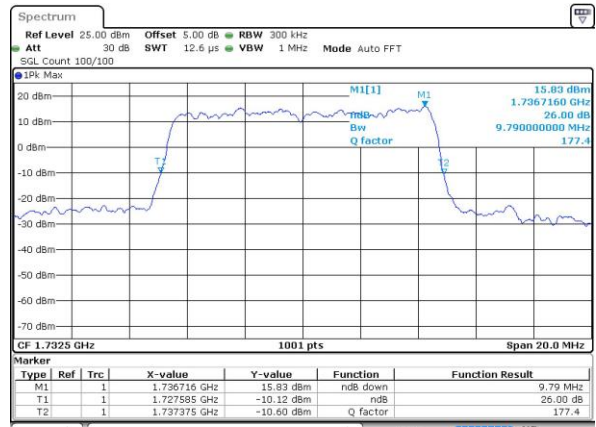
## Lowest Channel / 10MHz / 16QAM



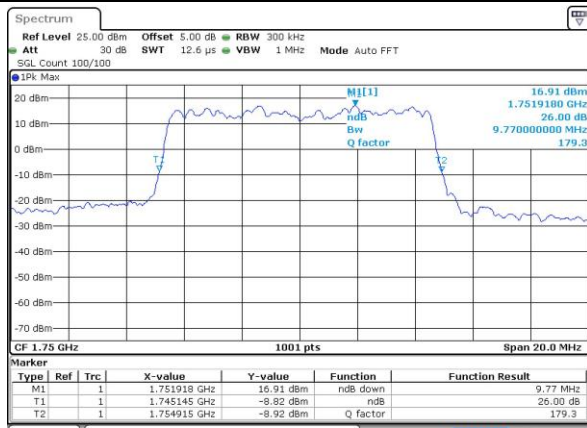
## Middle Channel / 10MHz / QPSK



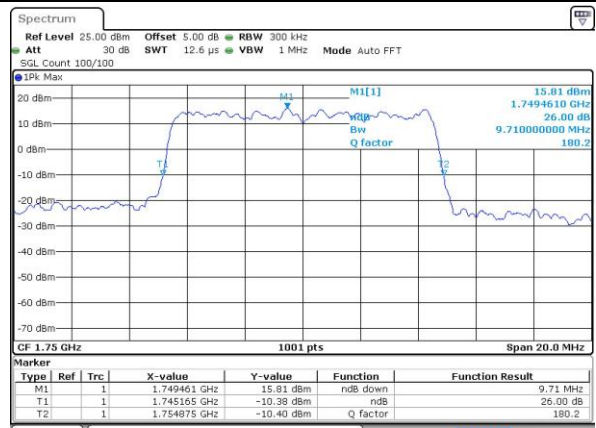
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



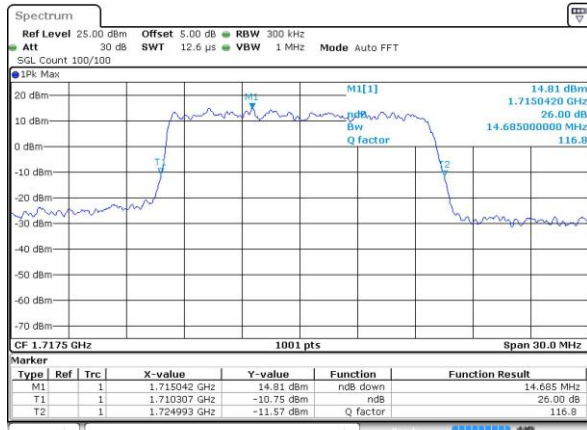
## Highest Channel / 10MHz / 16QAM





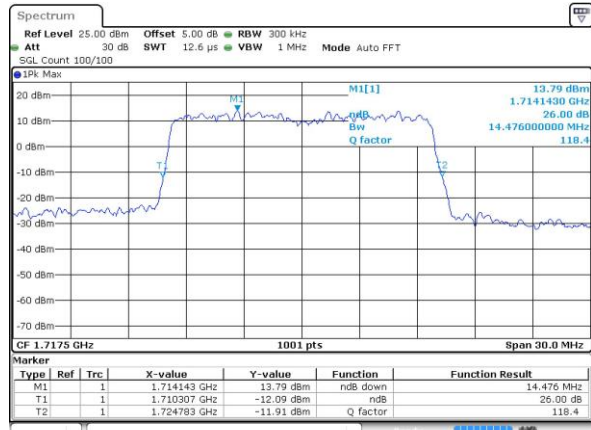
## LTE Band 4

## Lowest Channel / 15MHz / QPSK



Date: 20 APR 2016 10:30:19

## Lowest Channel / 15MHz / 16QAM



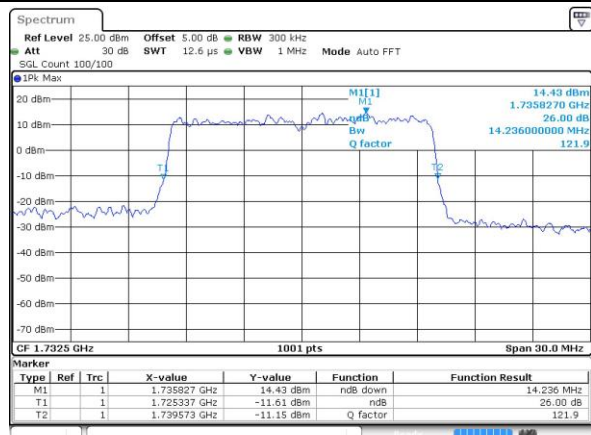
Date: 20 APR 2016 10:30:29

## Middle Channel / 15MHz / QPSK



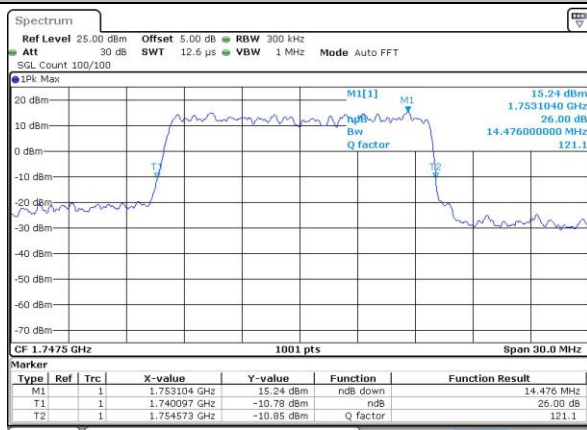
Date: 20 APR 2016 10:37:23

## Middle Channel / 15MHz / 16QAM



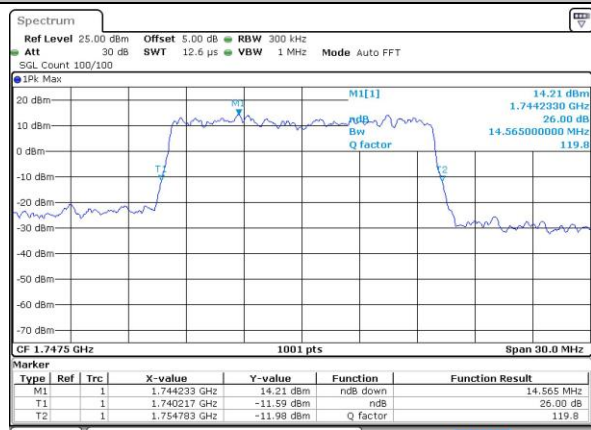
Date: 20 APR 2016 10:37:34

## Highest Channel / 15MHz / QPSK



Date: 20 APR 2016 10:39:56

## Highest Channel / 15MHz / 16QAM

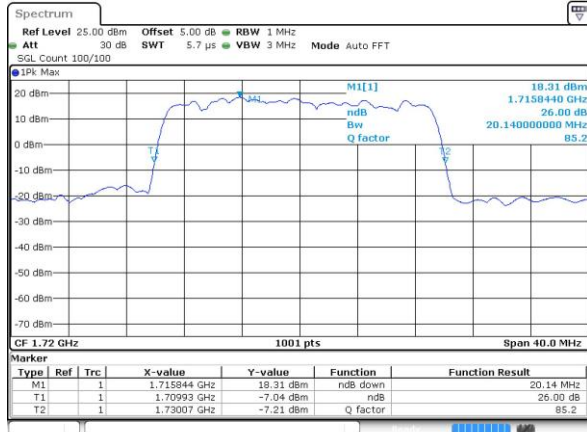


Date: 20 APR 2016 10:40:07



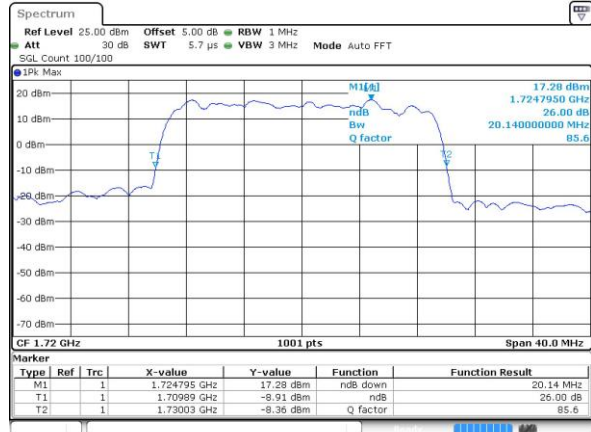
## LTE Band 4

## Lowest Channel / 20MHz / QPSK



Date: 20 APR 2016 10:47:01

## Lowest Channel / 20MHz / 16QAM



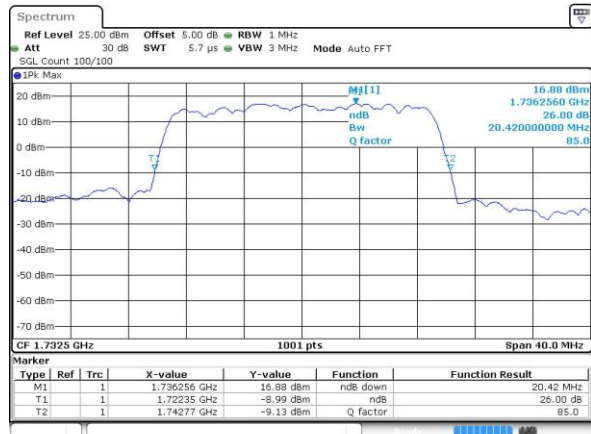
Date: 20 APR 2016 10:47:11

## Middle Channel / 20MHz / QPSK



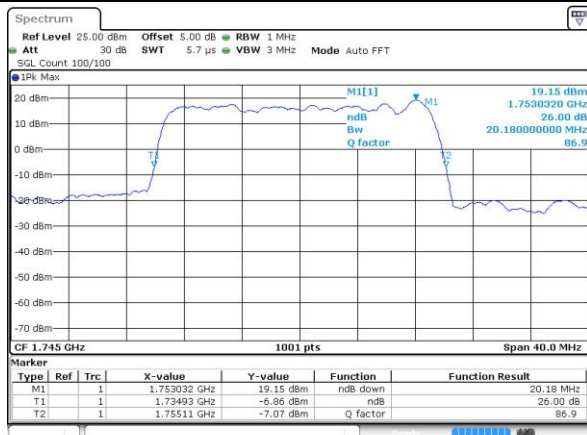
Date: 20 APR 2016 10:54:06

## Middle Channel / 20MHz / 16QAM



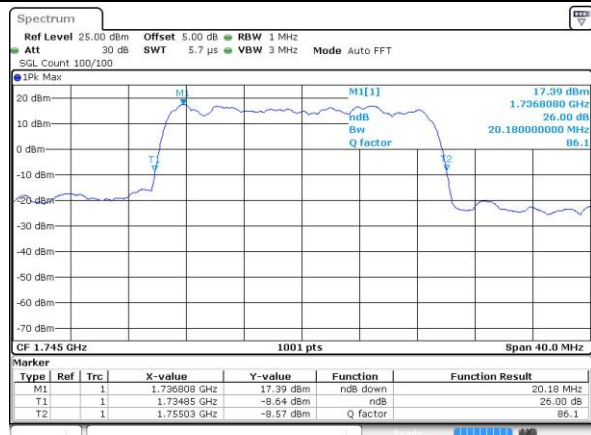
Date: 20 APR 2016 10:54:16

## Highest Channel / 20MHz / QPSK



Date: 20 APR 2016 10:56:38

## Highest Channel / 20MHz / 16QAM

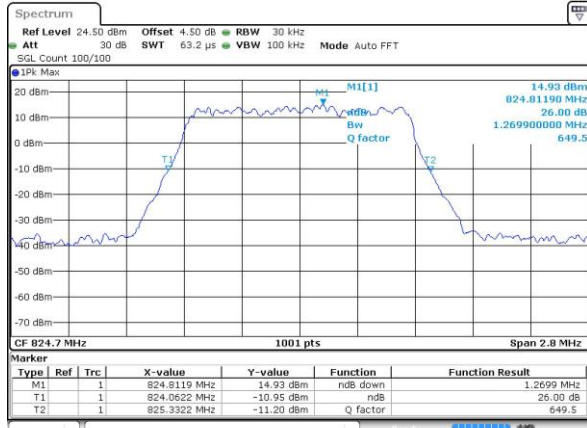


Date: 20 APR 2016 10:56:49

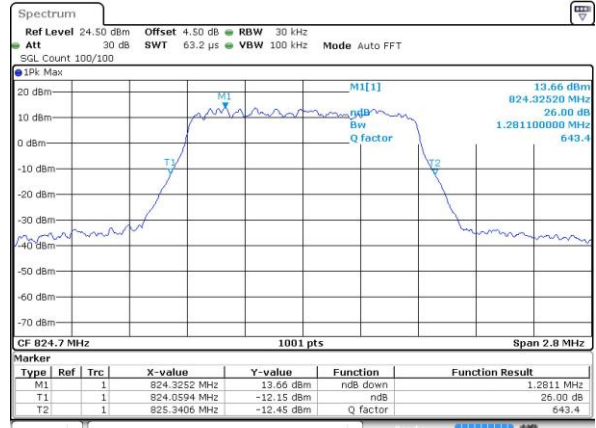


## LTE Band 5

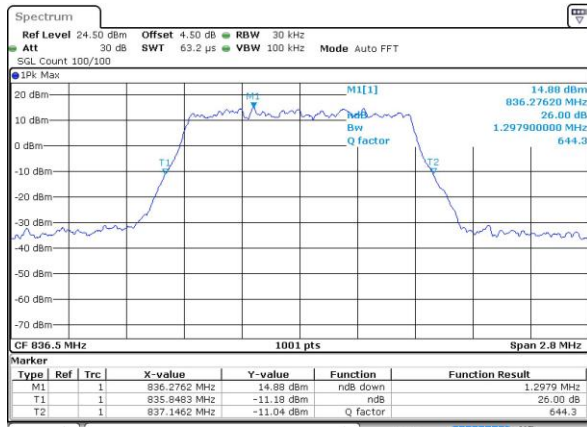
## Lowest Channel / 1.4MHz / QPSK



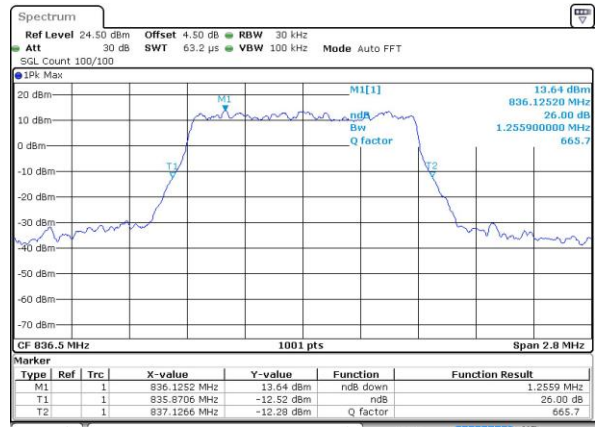
## Lowest Channel / 1.4MHz / 16QAM



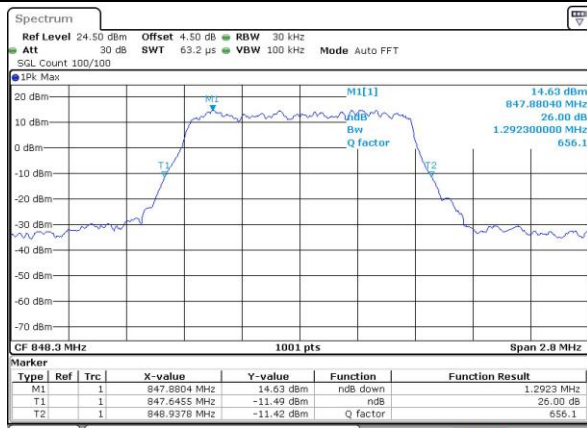
## Middle Channel / 1.4MHz / QPSK



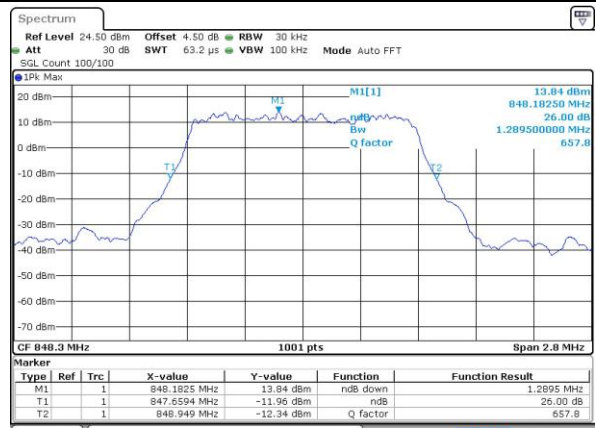
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



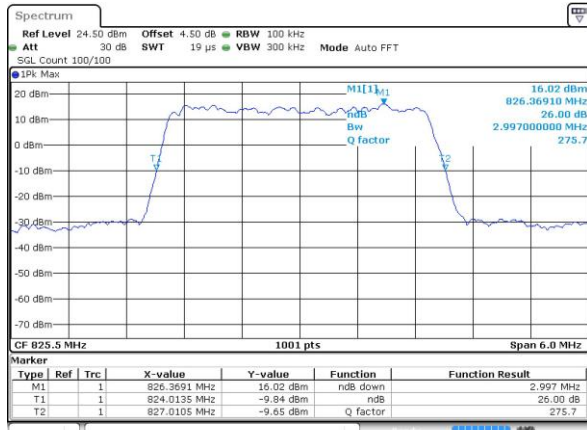
## Highest Channel / 1.4MHz / 16QAM



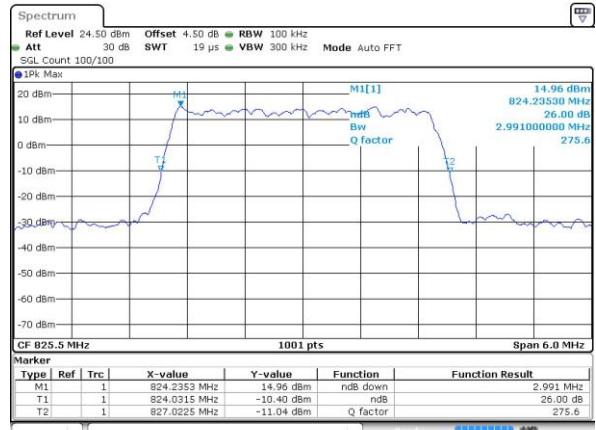


## LTE Band 5

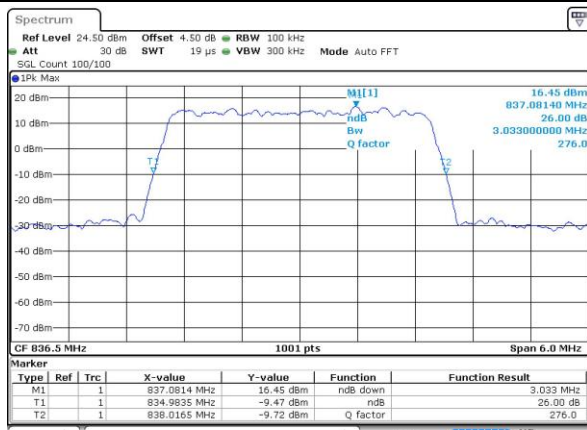
## Lowest Channel / 3MHz / QPSK



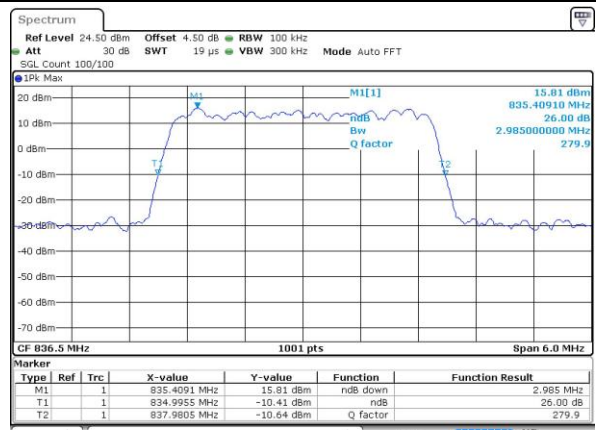
## Lowest Channel / 3MHz / 16QAM



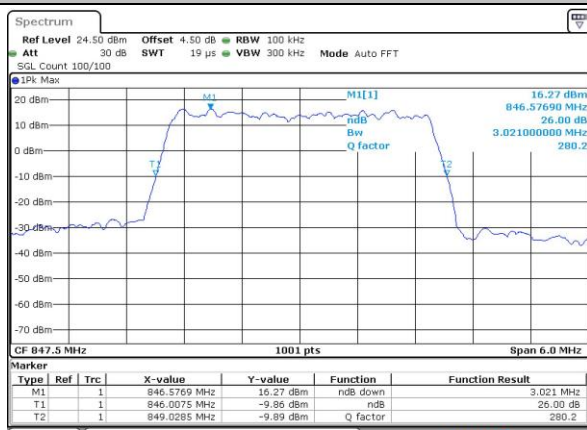
## Middle Channel / 3MHz / QPSK



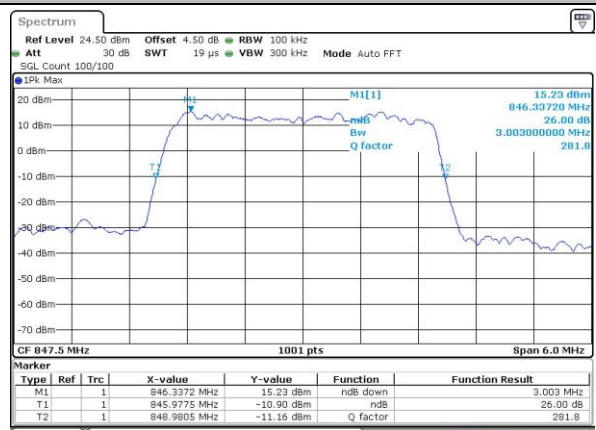
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



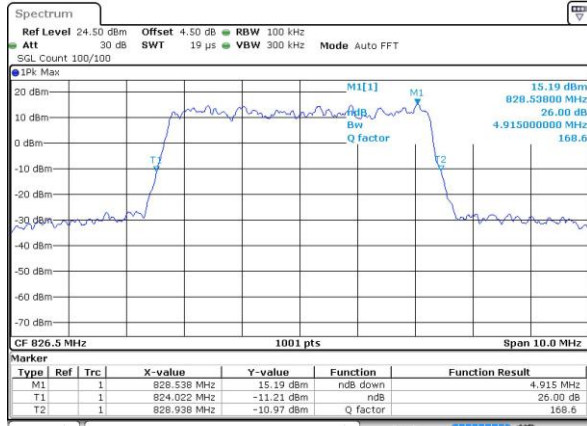
## Highest Channel / 3MHz / 16QAM



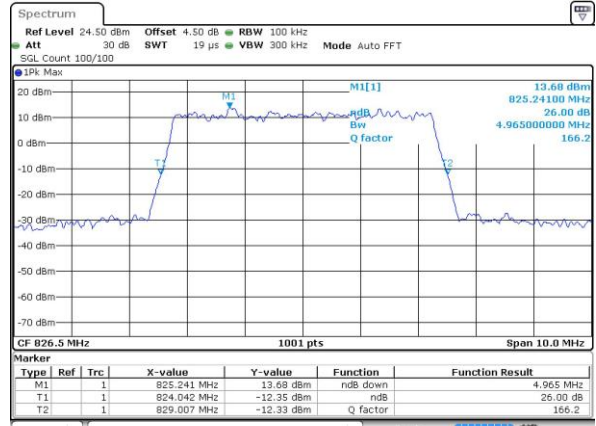


## LTE Band 5

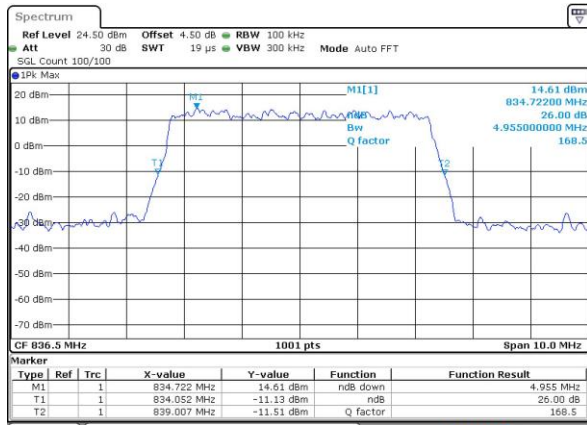
## Lowest Channel / 5MHz / QPSK



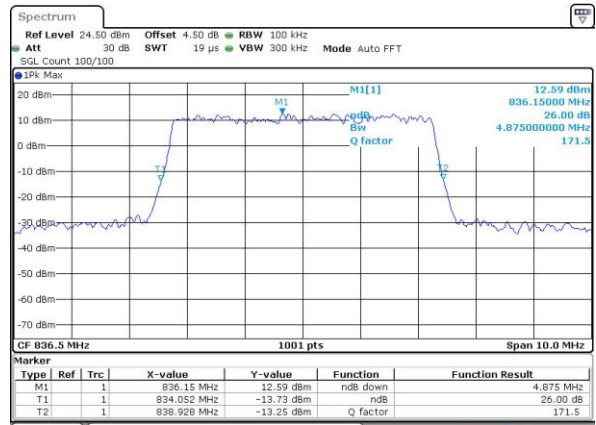
## Lowest Channel / 5MHz / 16QAM



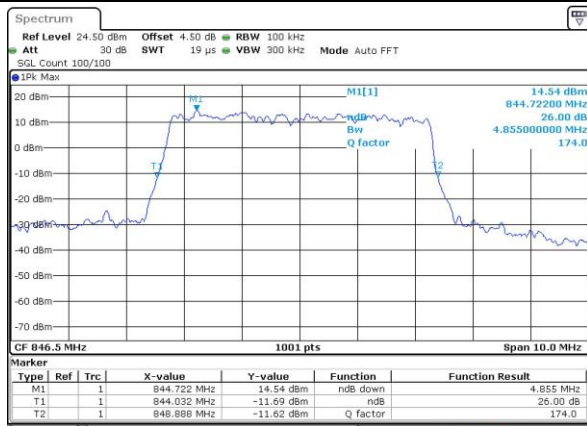
## Middle Channel / 5MHz / QPSK



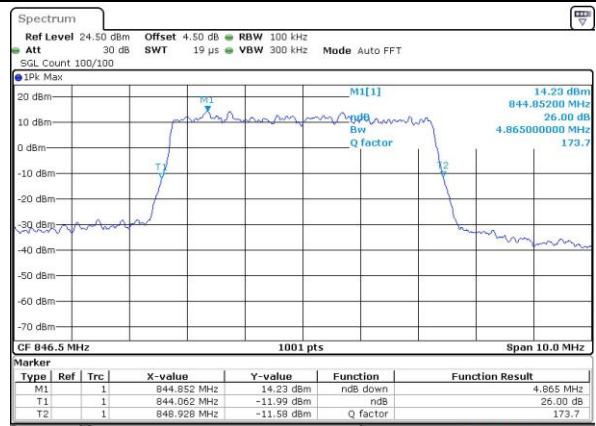
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



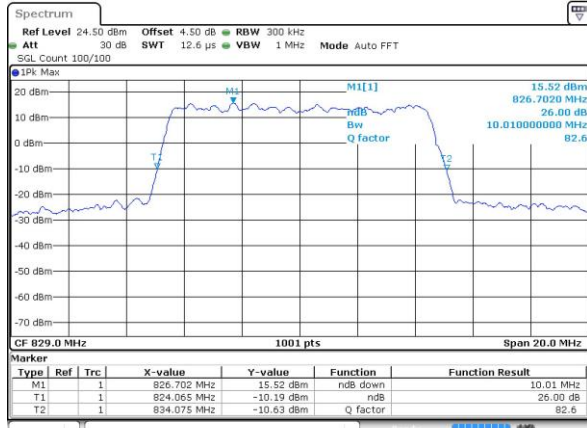
## Highest Channel / 5MHz / 16QAM



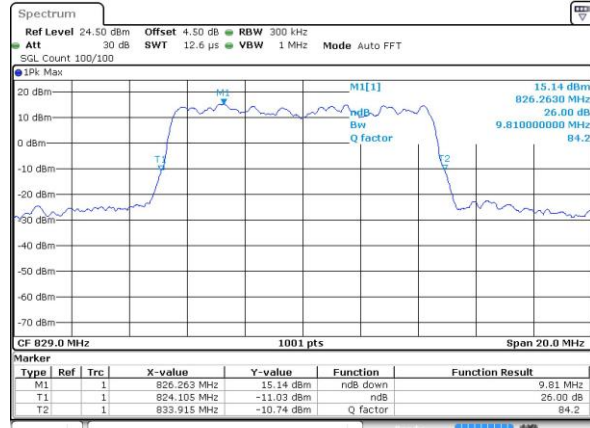


## LTE Band 5

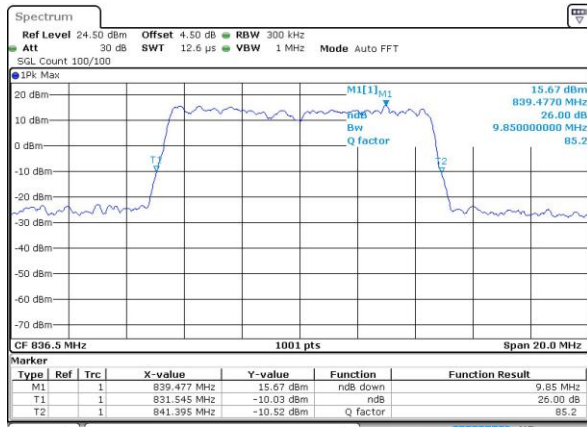
## Lowest Channel / 10MHz / QPSK



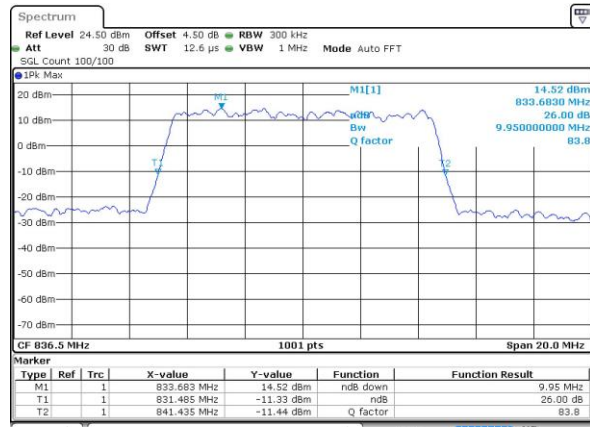
## Lowest Channel / 10MHz / 16QAM



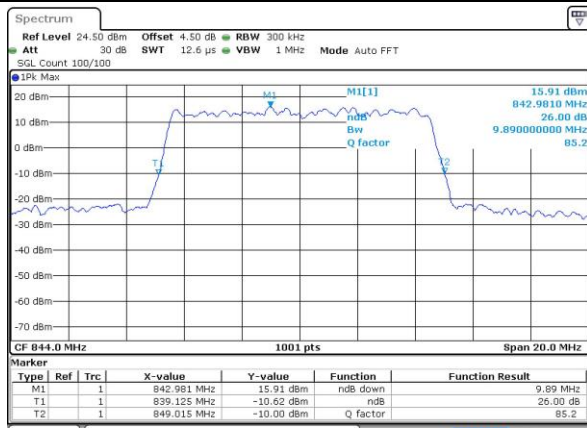
## Middle Channel / 10MHz / QPSK



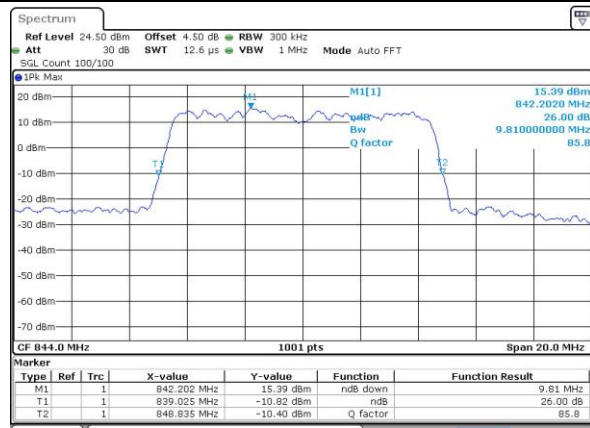
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



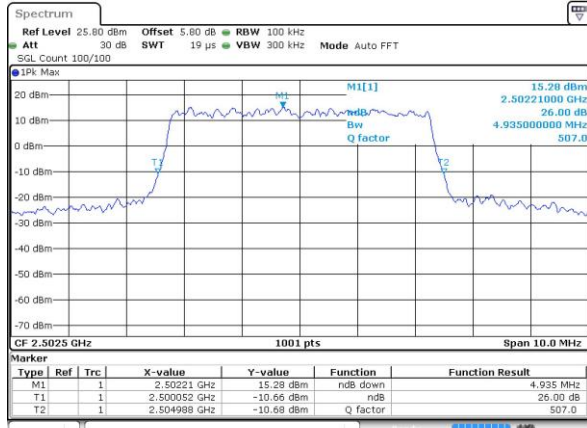
## Highest Channel / 10MHz / 16QAM





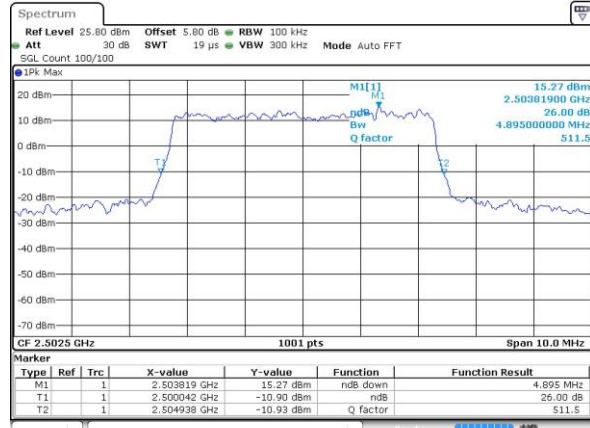
## LTE Band 7

## Lowest Channel / 5MHz / QPSK



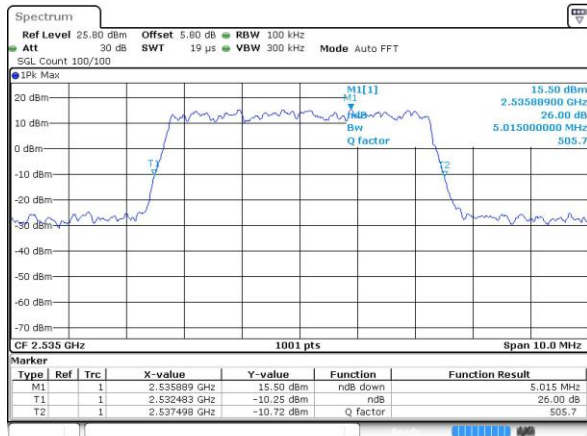
Date: 21 APR 2016 22:31:14

## Lowest Channel / 5MHz / 16QAM



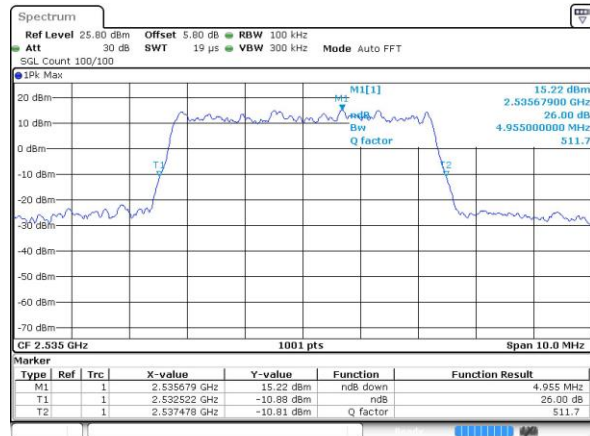
Date: 21 APR 2016 22:31:35

## Middle Channel / 5MHz / QPSK



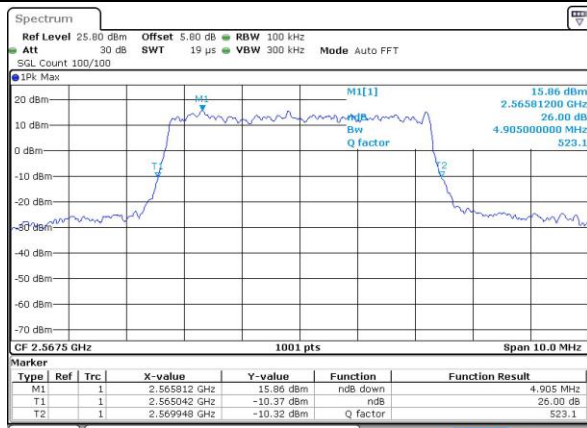
Date: 21 APR 2016 22:32:17

## Middle Channel / 5MHz / 16QAM



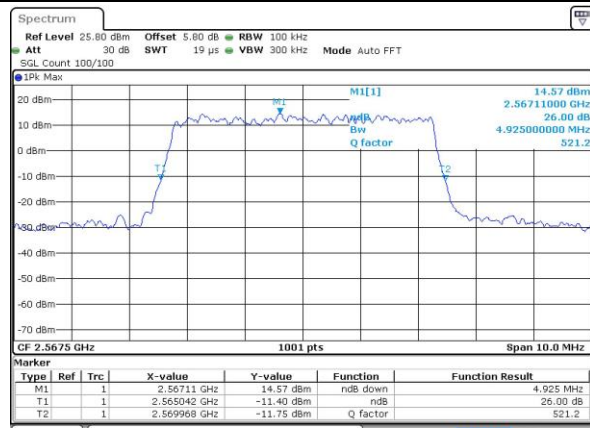
Date: 21 APR 2016 22:31:56

## Highest Channel / 5MHz / QPSK



Date: 21 APR 2016 23:41:06

## Highest Channel / 5MHz / 16QAM

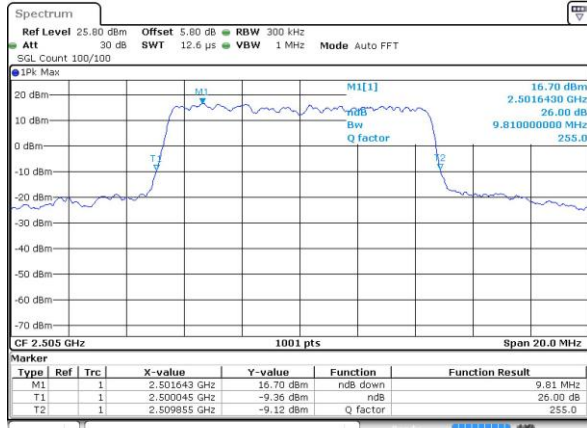


Date: 21 APR 2016 23:40:40



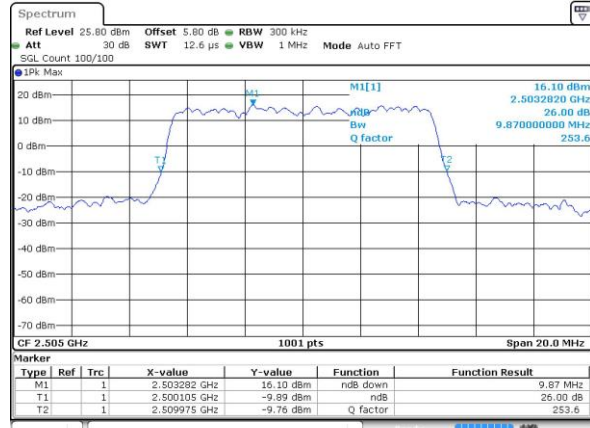
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



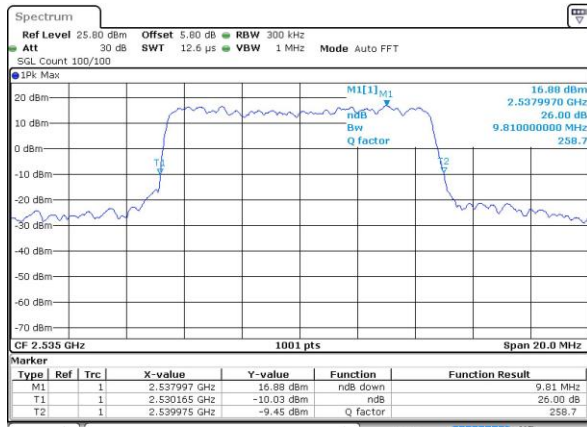
Date: 21 APR 2016 22:47:58

## Lowest Channel / 10MHz / 16QAM



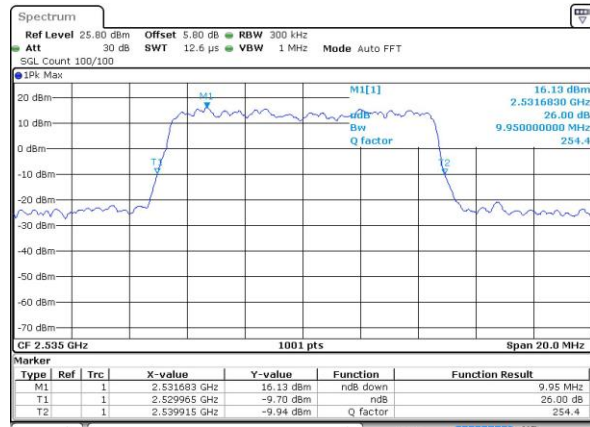
Date: 21 APR 2016 22:48:19

## Middle Channel / 10MHz / QPSK



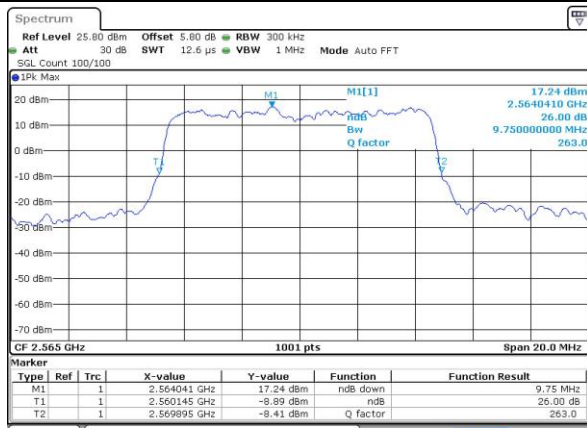
Date: 21 APR 2016 22:49:01

## Middle Channel / 10MHz / 16QAM



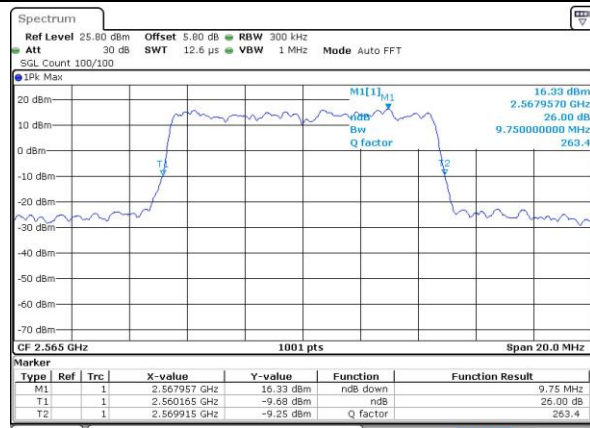
Date: 21 APR 2016 22:48:40

## Highest Channel / 10MHz / QPSK



Date: 21 APR 2016 22:49:22

## Highest Channel / 10MHz / 16QAM

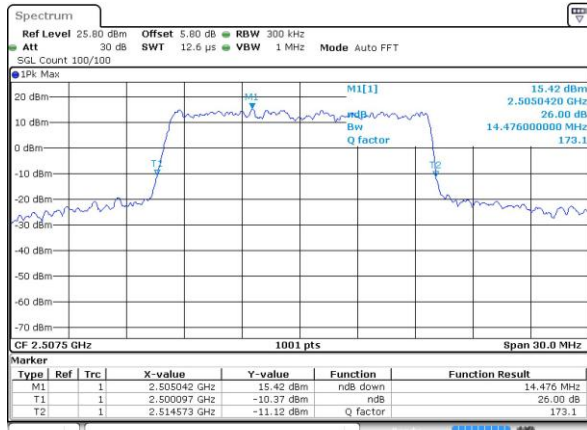


Date: 21 APR 2016 23:42:22

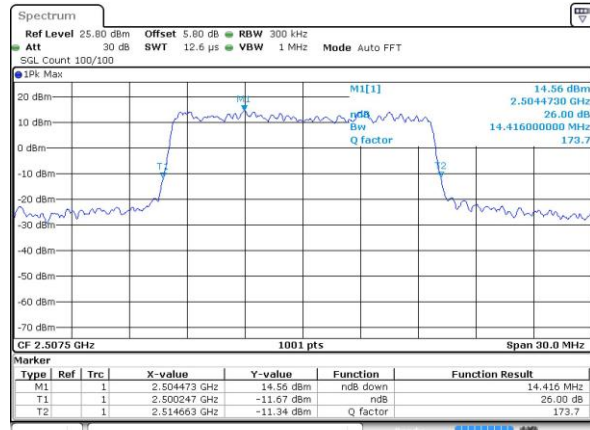


## LTE Band 7

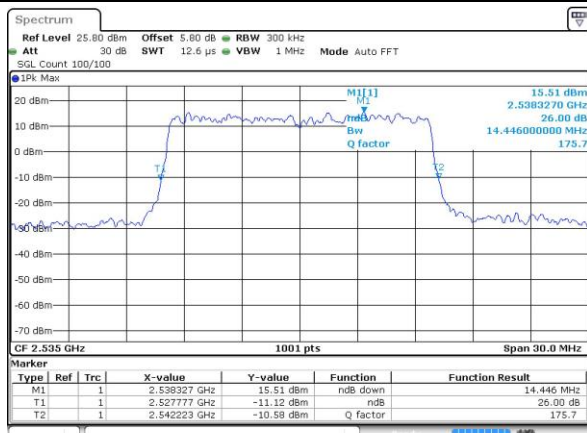
## Lowest Channel / 15MHz / QPSK



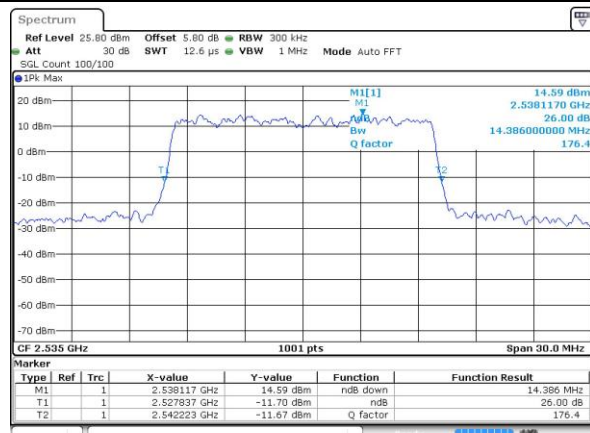
## Lowest Channel / 15MHz / 16QAM



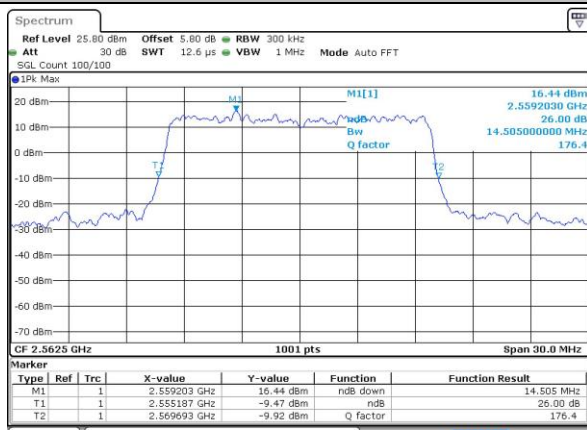
## Middle Channel / 15MHz / QPSK



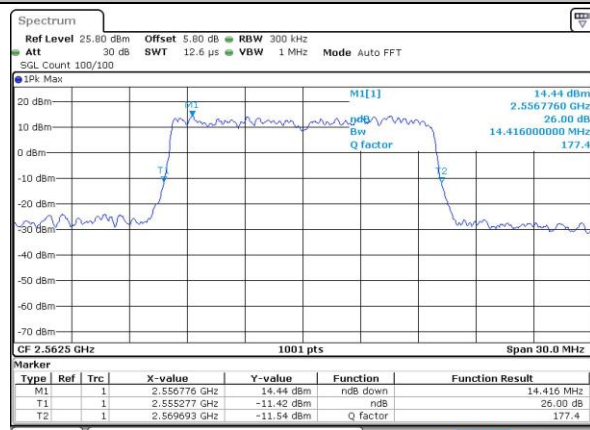
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



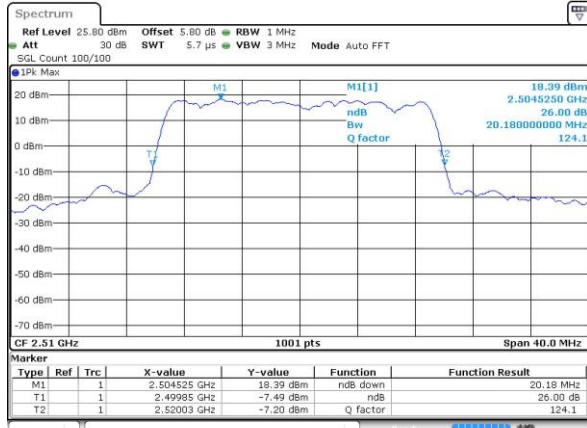
## Highest Channel / 15MHz / 16QAM



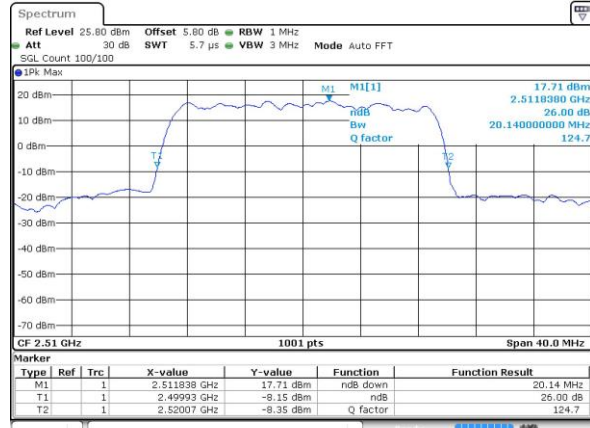


## LTE Band 7

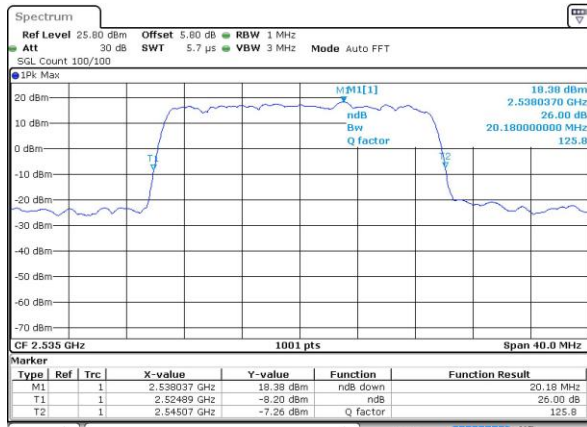
## Lowest Channel / 20MHz / QPSK



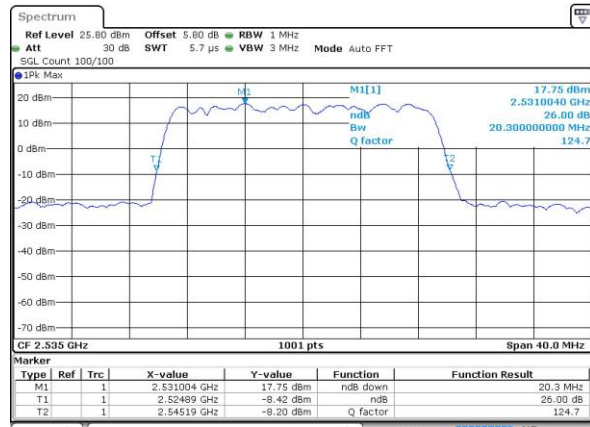
## Lowest Channel / 20MHz / 16QAM



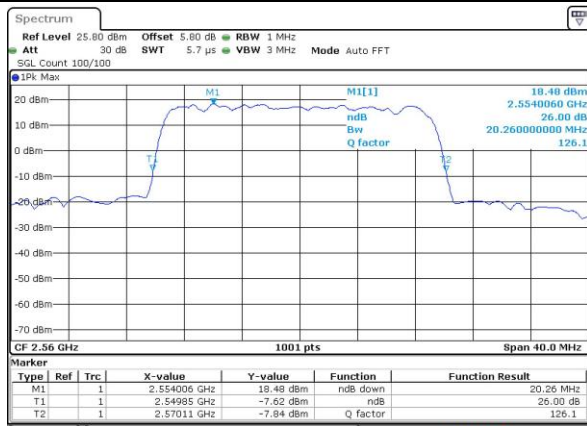
## Middle Channel / 20MHz / QPSK



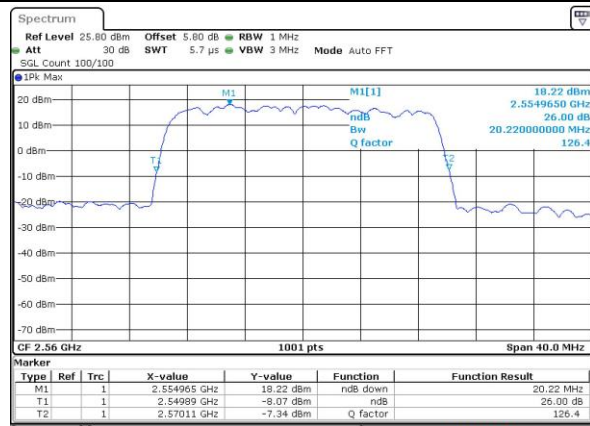
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



## Highest Channel / 20MHz / 16QAM



**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  | 2.73 | 2.72  | 4.52 | 4.53  | 9.09  | 9.01  | 13.43 | 13.49 | 18.38 | 18.30 |
| Middle CH  | 1.09                      | 1.10  | 2.73 | 2.72  | 4.50 | 4.51  | 9.07  | 9.05  | 13.43 | 13.46 | 18.26 | 18.34 |
| Highest CH | 1.09                      | 1.09  | 2.70 | 2.72  | 4.49 | 4.48  | 9.13  | 9.03  | 13.43 | 13.46 | 18.34 | 18.50 |

| 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                      | 1.10  | 2.72 | 2.72  | 4.50 | 4.50  | 9.01  | 8.99  | 13.37 | 13.40 | 18.26 | 18.58 |
| Middle CH  | 1.09                      | 1.09  | 2.72 | 2.70  | 4.51 | 4.49  | 9.09  | 9.05  | 13.49 | 13.43 | 18.34 | 18.26 |
| Highest CH | 1.09                      | 1.09  | 2.73 | 2.73  | 4.49 | 4.51  | 9.09  | 9.03  | 13.43 | 13.43 | 18.42 | 18.34 |

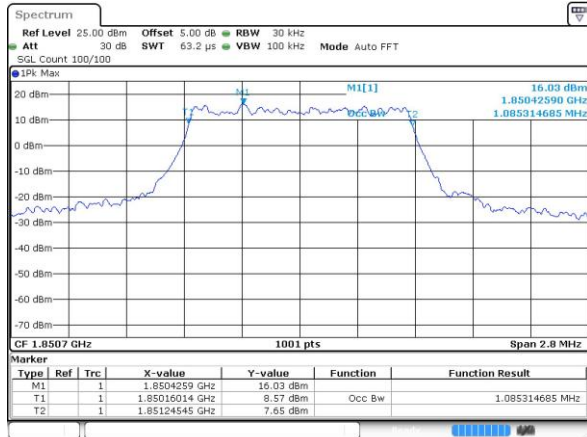
| Mode       | LTE Band 5 : 99%OBW (MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.10                      | 1.09  | 2.71 | 2.72  | 4.50 | 4.51  | 9.09  | 9.01  | -     | -     | -     | -     |
| Middle CH  | 1.09                      | 1.09  | 2.73 | 2.73  | 4.50 | 4.50  | 9.03  | 9.09  | -     | -     | -     | -     |
| Highest CH | 1.10                      | 1.09  | 2.71 | 2.71  | 4.51 | 4.49  | 9.07  | 9.03  | -     | -     | -     | -     |

| 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  | -                         | -     | -    | -     | 4.51 | 4.51  | 9.07  | 8.95  | 13.46 | 13.52 | 18.42 | 18.34 |
| Middle CH  | -                         | -     | -    | -     | 4.50 | 4.50  | 9.03  | 9.03  | 13.46 | 13.52 | 18.30 | 18.34 |
| Highest CH | -                         | -     | -    | -     | 4.54 | 4.50  | 9.03  | 9.05  | 13.46 | 13.52 | 18.42 | 18.46 |

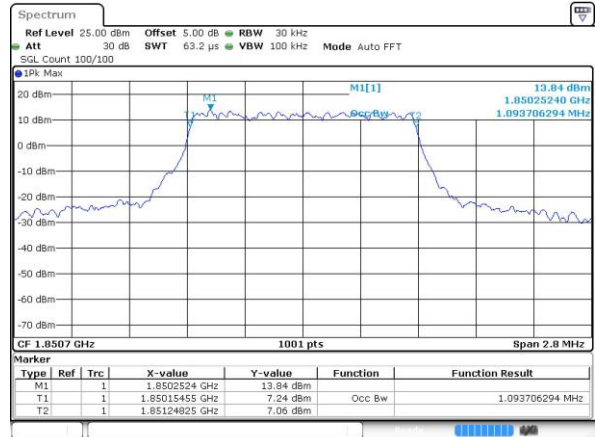


## LTE Band 2

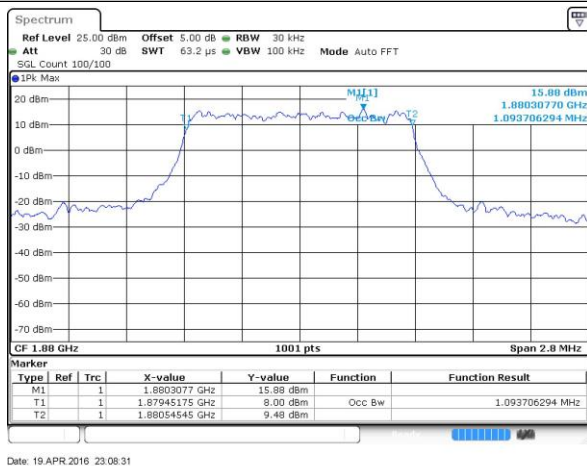
## Lowest Channel / 1.4MHz / QPSK



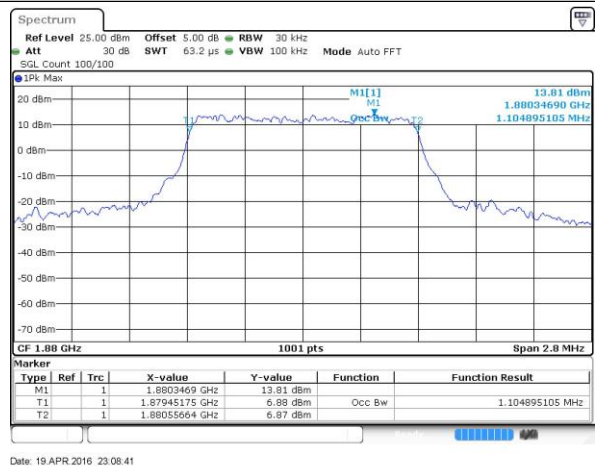
## Lowest Channel / 1.4MHz / 16QAM



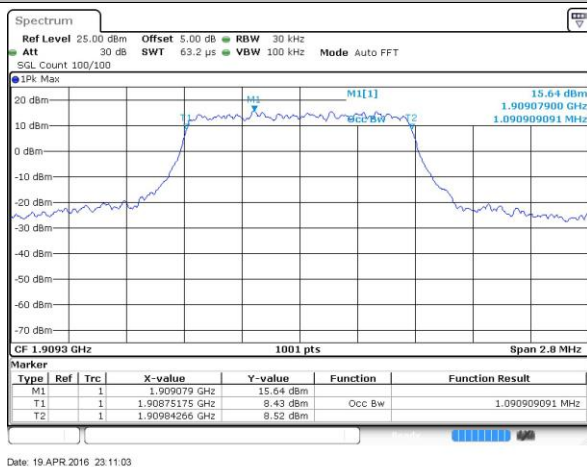
## Middle Channel / 1.4MHz / QPSK



## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



## Highest Channel / 1.4MHz / 16QAM

