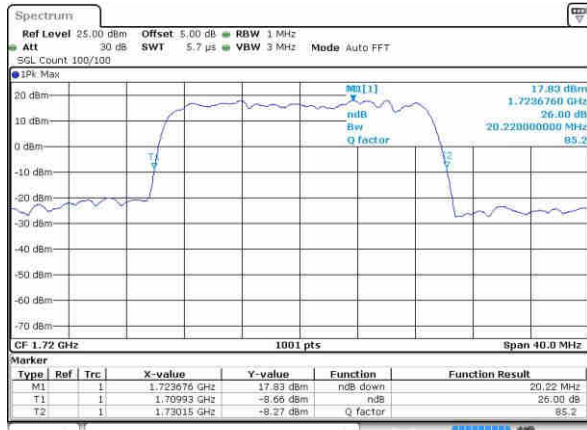


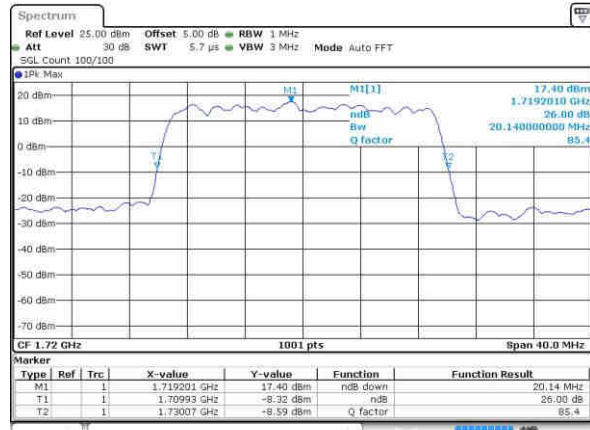


## LTE Band 4

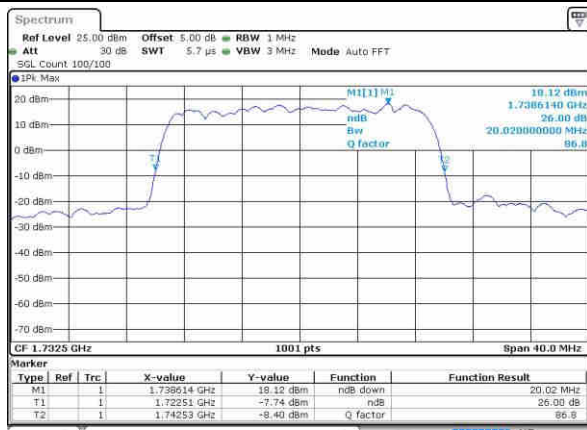
## Lowest Channel / 20MHz / QPSK



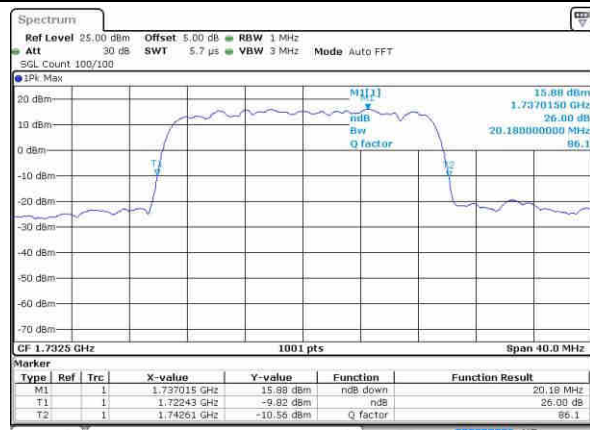
## Lowest Channel / 20MHz / 16QAM



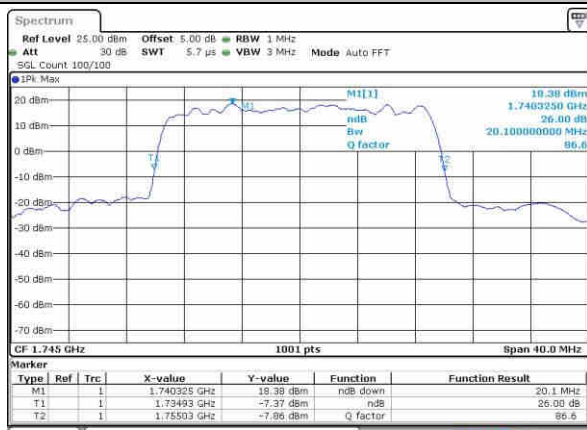
## Middle Channel / 20MHz / QPSK



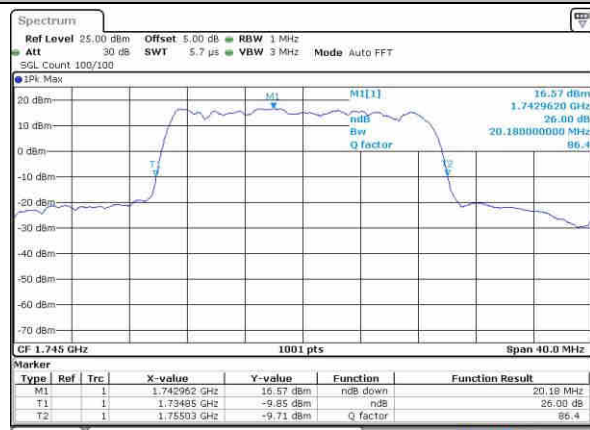
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



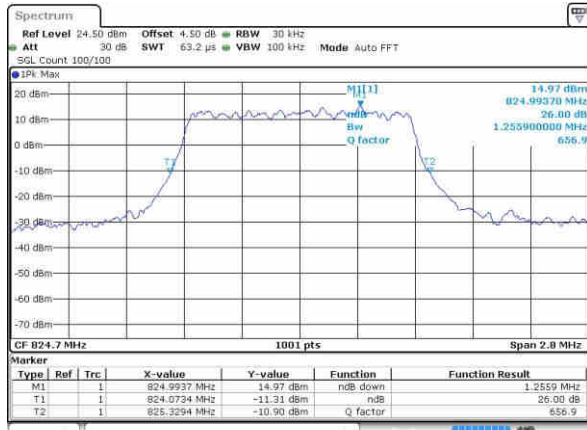
## Highest Channel / 20MHz / 16QAM





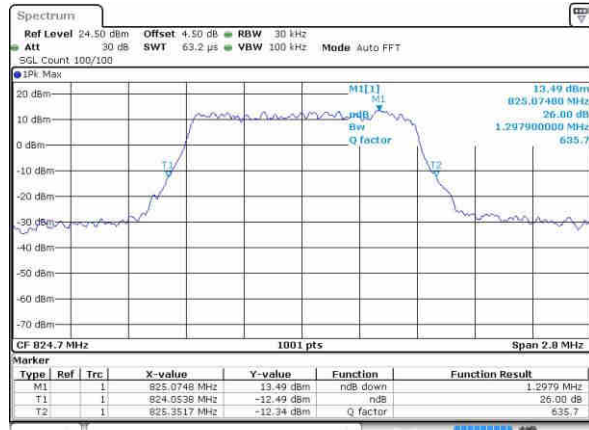
## LTE Band 5

## Lowest Channel / 1.4MHz / QPSK



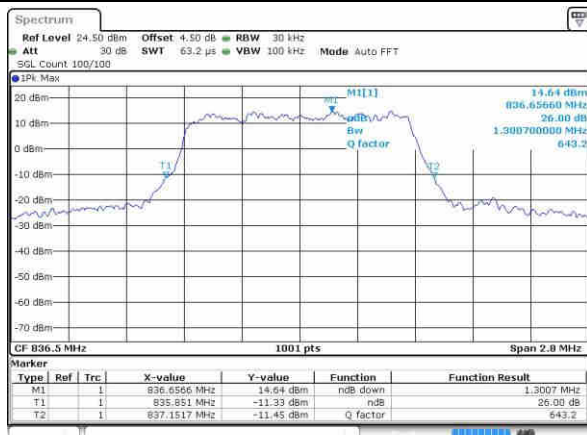
Date: 9.OCT.2016 01:43:05

## Lowest Channel / 1.4MHz / 16QAM



Date: 9.OCT.2016 01:42:55

## Middle Channel / 1.4MHz / QPSK



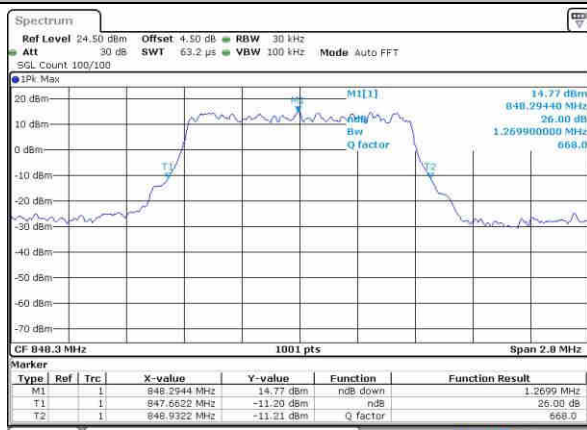
Date: 9.OCT.2016 01:52:01

## Middle Channel / 1.4MHz / 16QAM



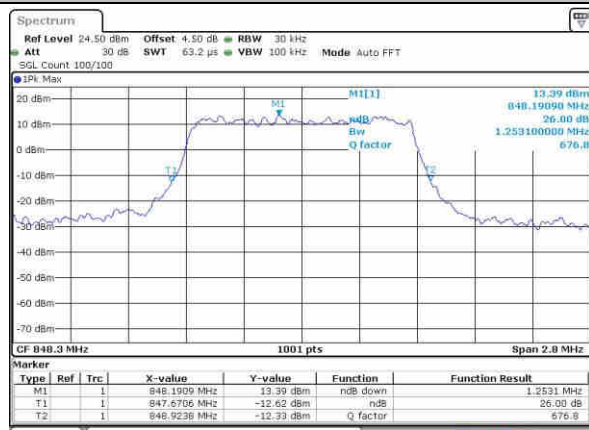
Date: 9.OCT.2016 01:52:11

## Highest Channel / 1.4MHz / QPSK



Date: 9.OCT.2016 01:54:33

## Highest Channel / 1.4MHz / 16QAM

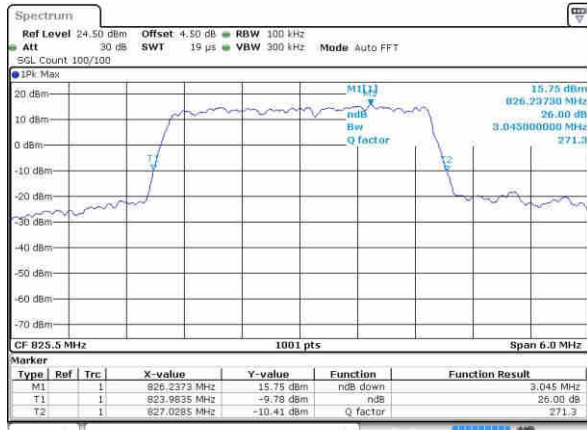


Date: 9.OCT.2016 01:54:43



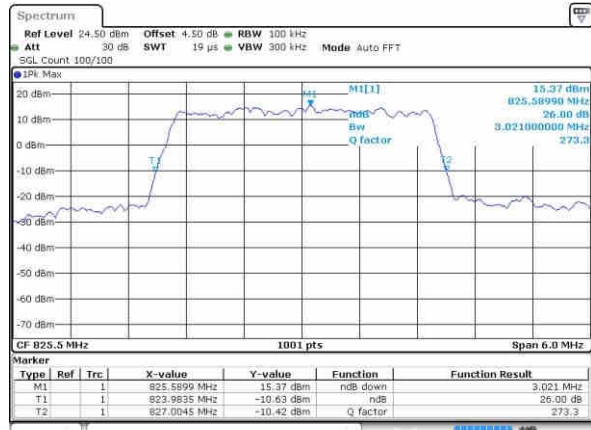
## LTE Band 5

## Lowest Channel / 3MHz / QPSK



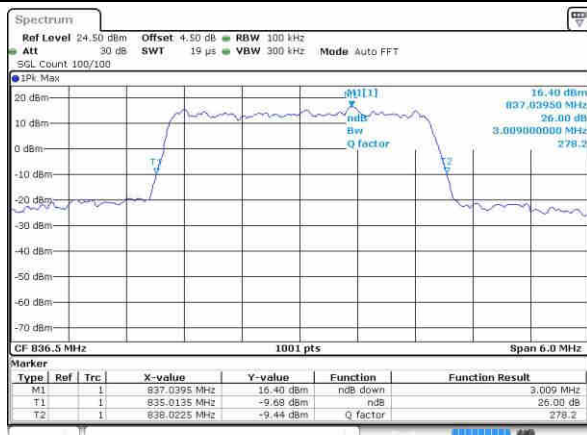
Date: 9.OCT.2016 02:03:37

## Lowest Channel / 3MHz / 16QAM



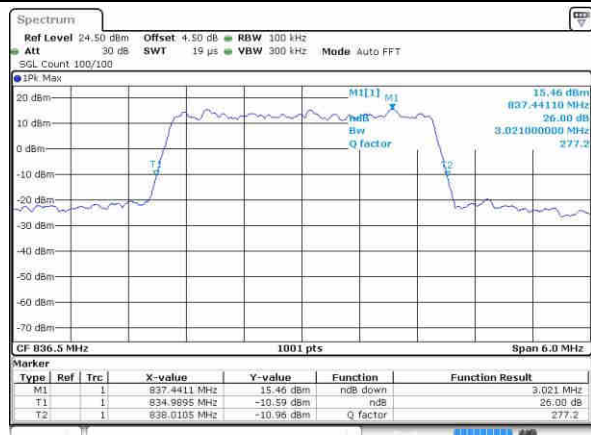
Date: 9.OCT.2016 02:03:47

## Middle Channel / 3MHz / QPSK



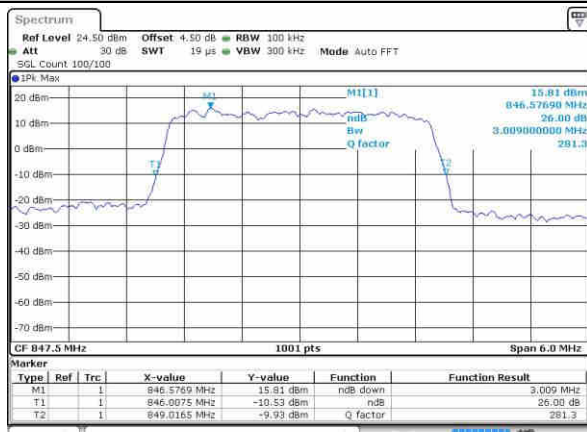
Date: 9.OCT.2016 02:12:41

## Middle Channel / 3MHz / 16QAM



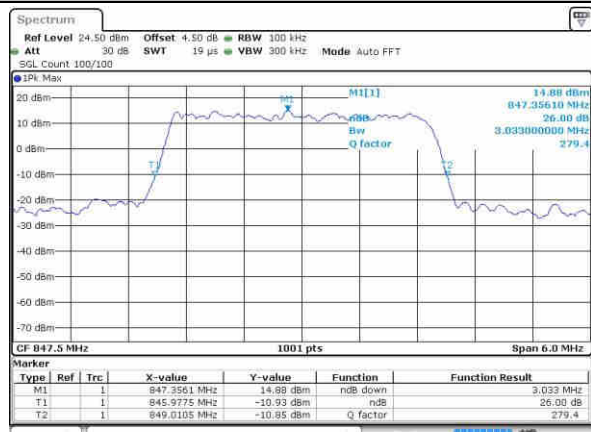
Date: 9.OCT.2016 02:12:51

## Highest Channel / 3MHz / QPSK



Date: 9.OCT.2016 02:15:13

## Highest Channel / 3MHz / 16QAM

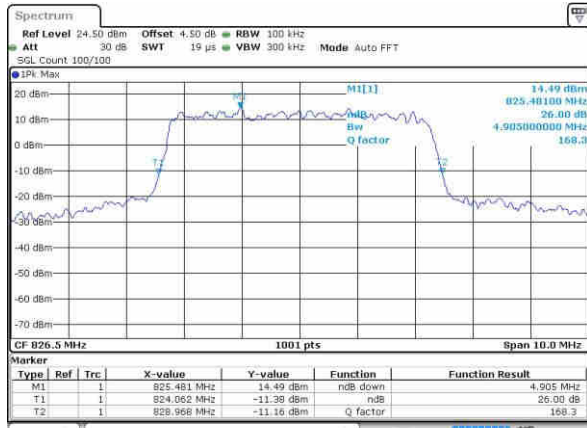


Date: 9.OCT.2016 02:15:24



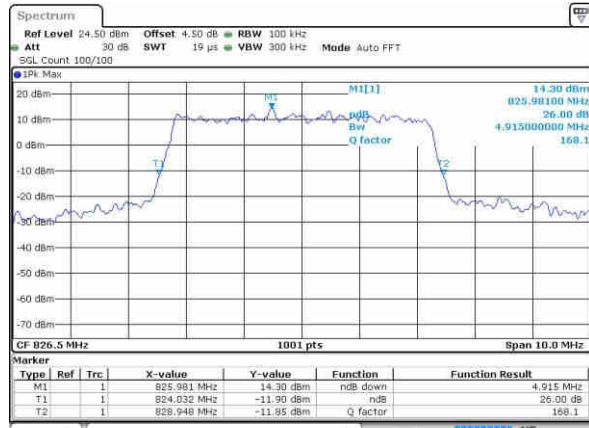
## LTE Band 5

## Lowest Channel / 5MHz / QPSK



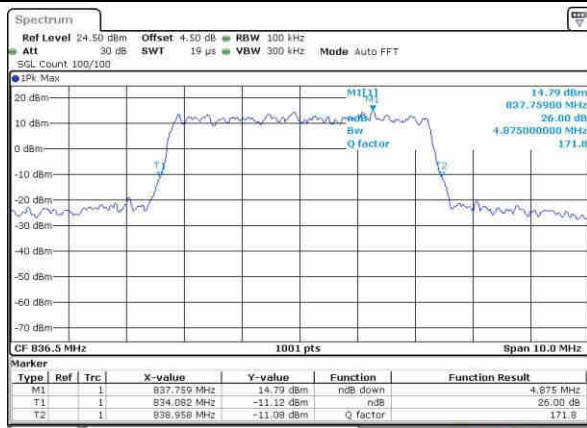
Date: 9 OCT 2016 02:24:17

## Lowest Channel / 5MHz / 16QAM



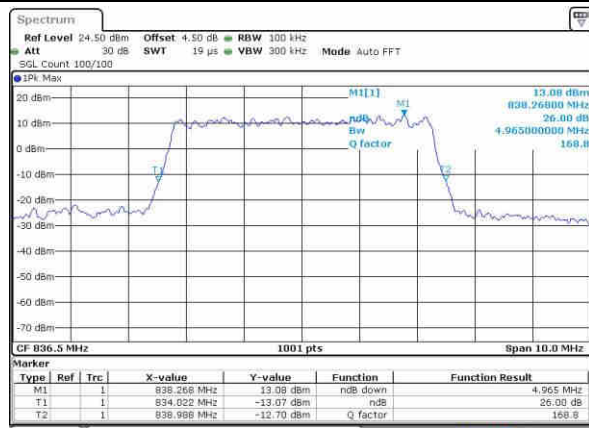
Date: 9 OCT 2016 02:24:28

## Middle Channel / 5MHz / QPSK



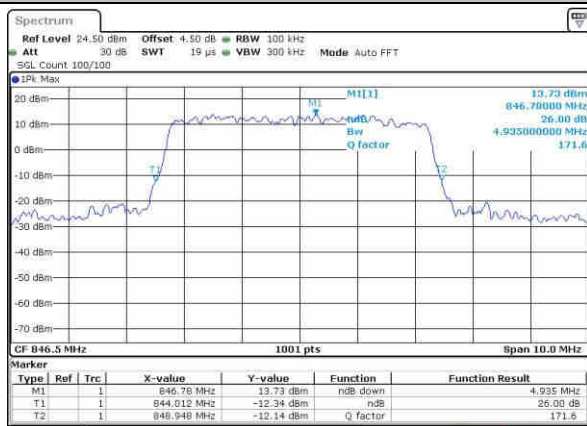
Date: 9 OCT 2016 02:33:21

## Middle Channel / 5MHz / 16QAM



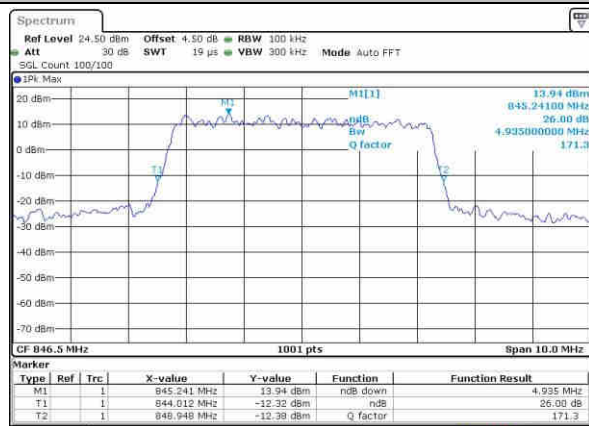
Date: 9 OCT 2016 02:33:32

## Highest Channel / 5MHz / QPSK



Date: 9 OCT 2016 02:35:55

## Highest Channel / 5MHz / 16QAM

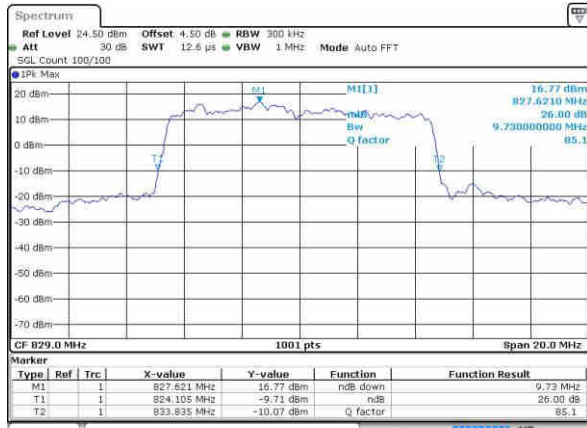


Date: 9 OCT 2016 02:36:05

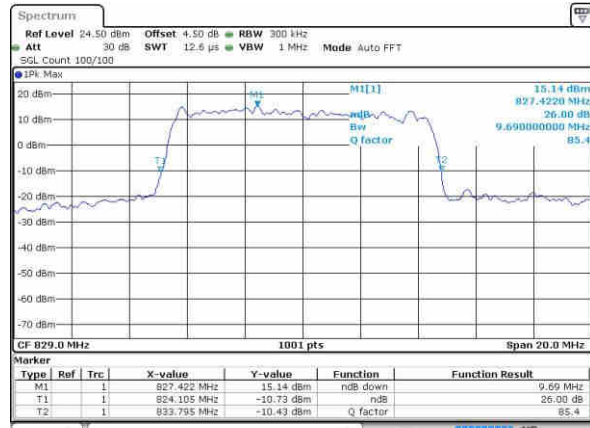


## LTE Band 5

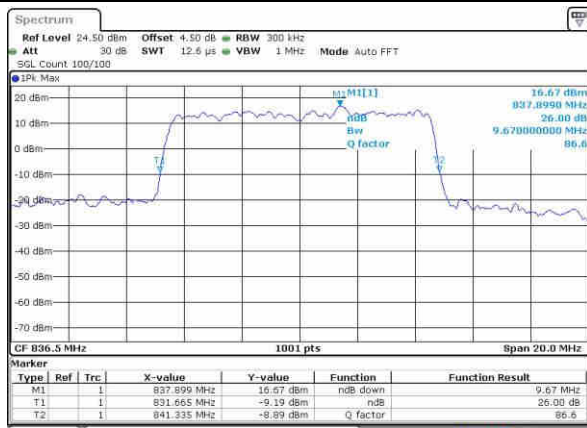
## Lowest Channel / 10MHz / QPSK



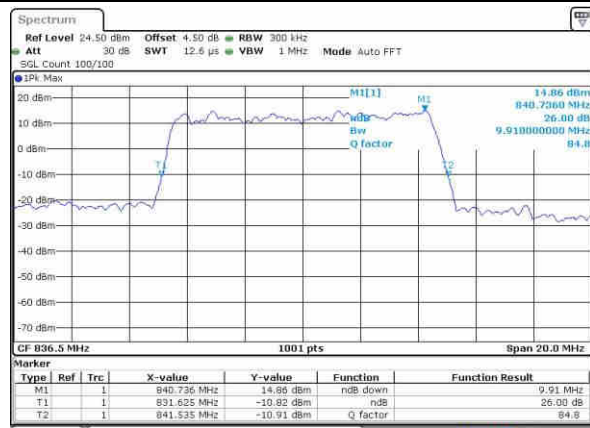
## Lowest Channel / 10MHz / 16QAM



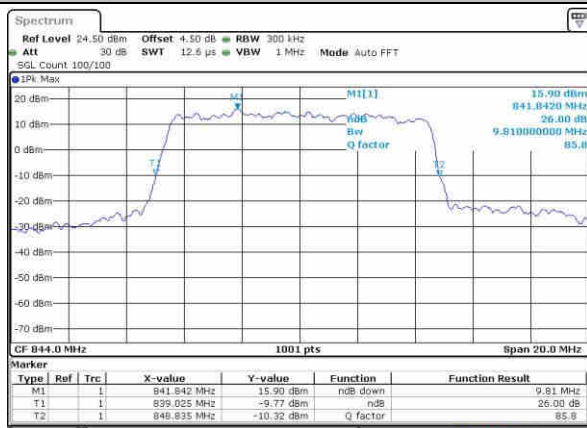
## Middle Channel / 10MHz / QPSK



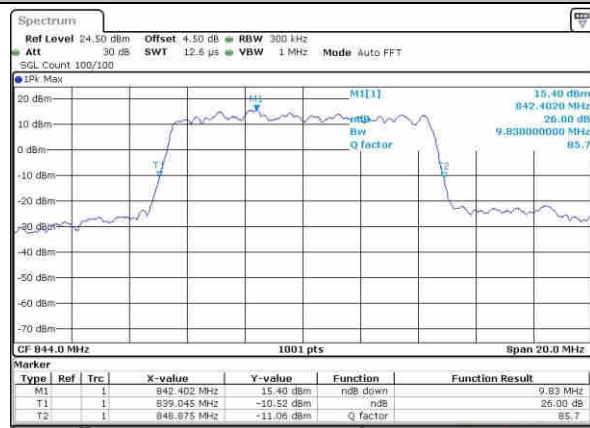
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



## Highest Channel / 10MHz / 16QAM

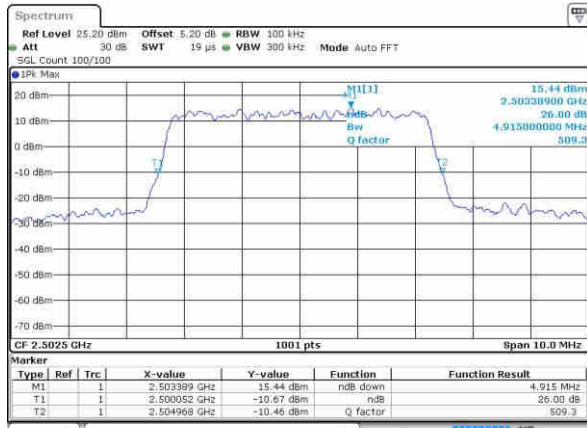






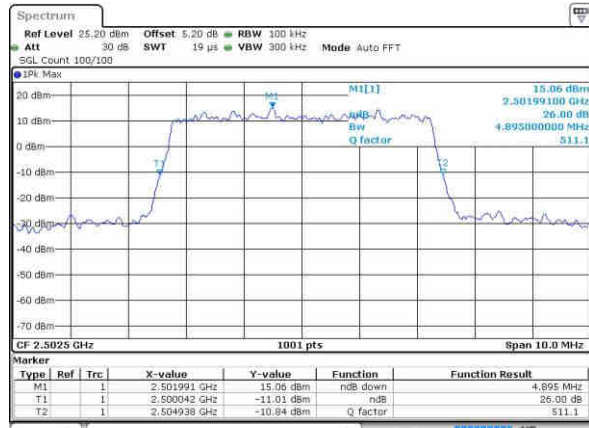
## LTE Band 7

## Lowest Channel / 5MHz / QPSK



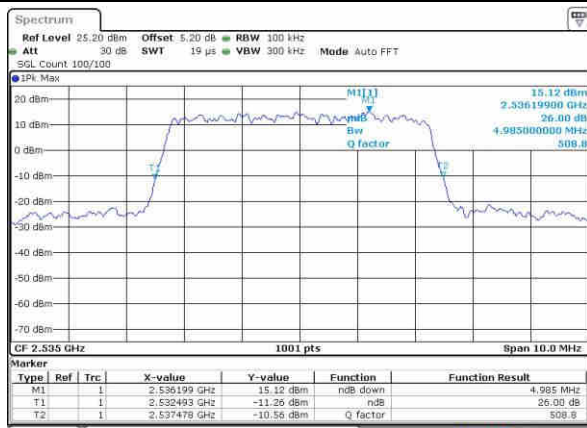
Date: 9.OCT.2016 15:33:31

## Lowest Channel / 5MHz / 16QAM



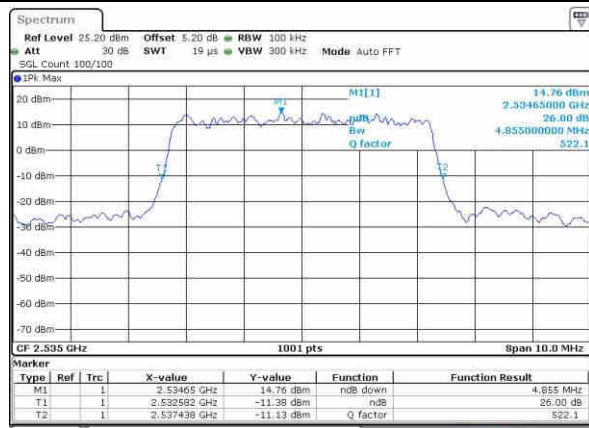
Date: 9.OCT.2016 15:33:52

## Middle Channel / 5MHz / QPSK



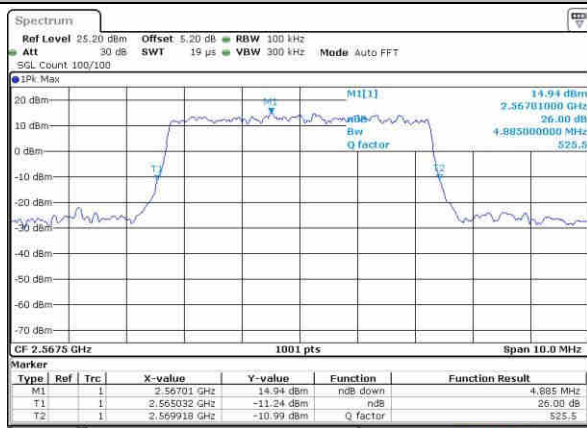
Date: 9.OCT.2016 15:34:33

## Middle Channel / 5MHz / 16QAM



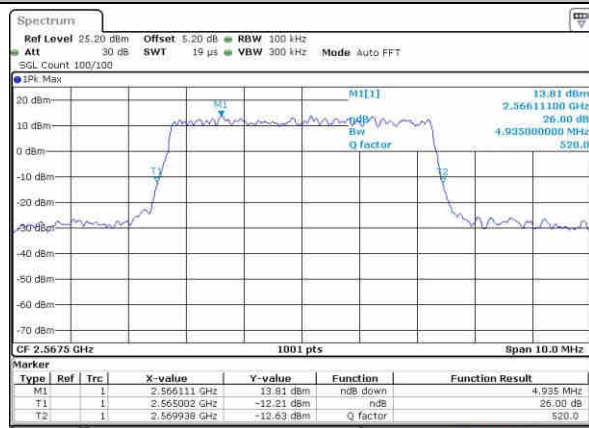
Date: 9.OCT.2016 15:34:12

## Highest Channel / 5MHz / QPSK



Date: 9.OCT.2016 15:34:54

## Highest Channel / 5MHz / 16QAM

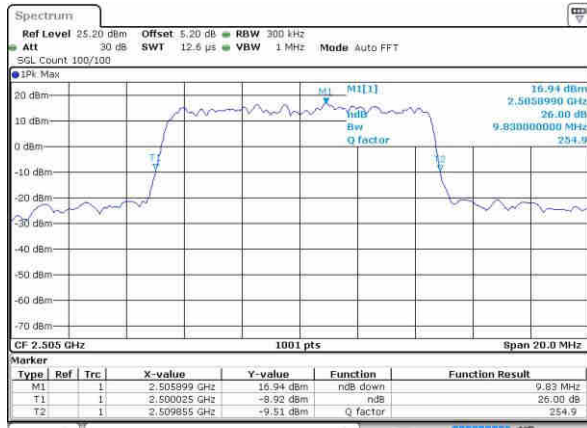


Date: 9.OCT.2016 15:35:15



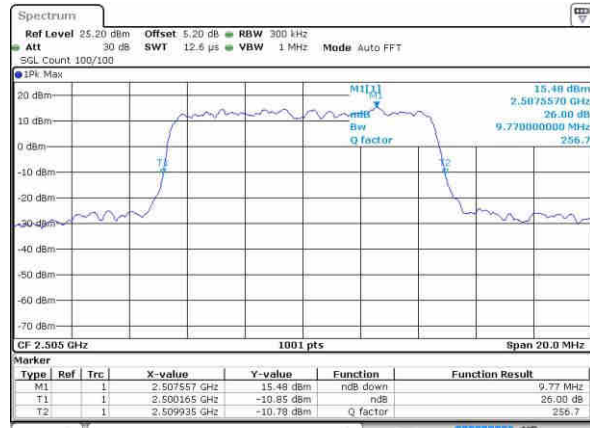
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



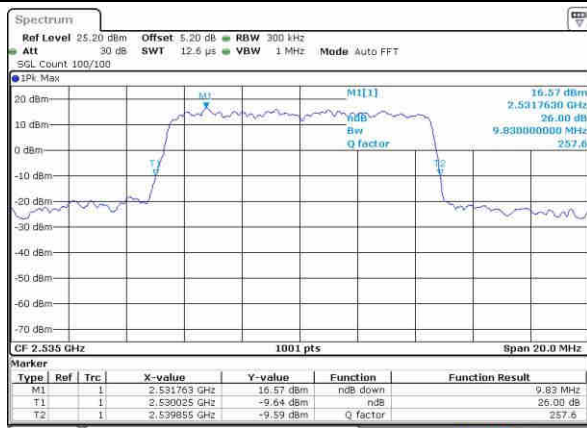
Date: 9.OCT.2016 15:50:12

## Lowest Channel / 10MHz / 16QAM



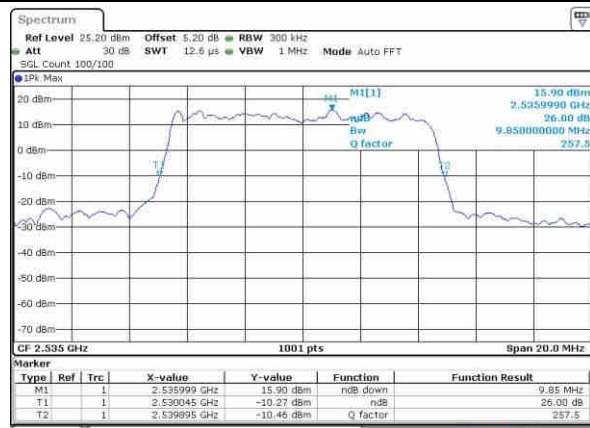
Date: 9.OCT.2016 15:50:33

## Middle Channel / 10MHz / QPSK



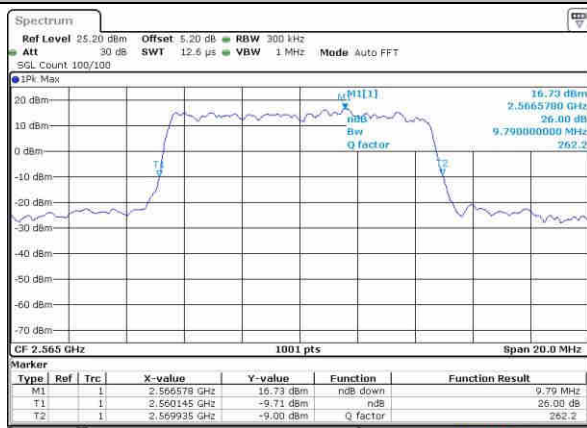
Date: 9.OCT.2016 15:51:15

## Middle Channel / 10MHz / 16QAM



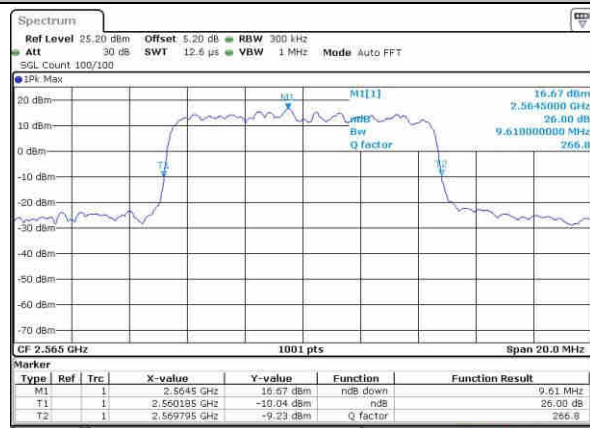
Date: 9.OCT.2016 15:50:54

## Highest Channel / 10MHz / QPSK



Date: 9.OCT.2016 15:51:35

## Highest Channel / 10MHz / 16QAM

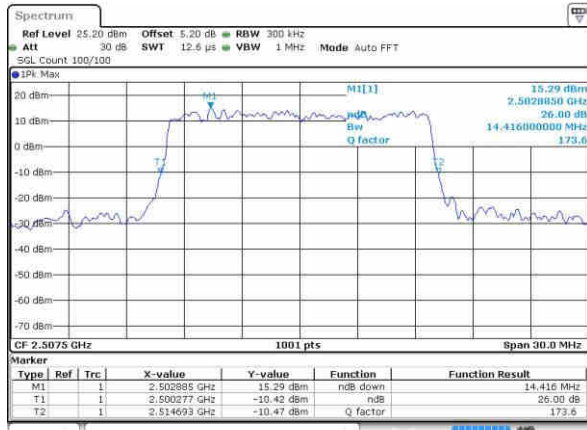


Date: 9.OCT.2016 15:51:56

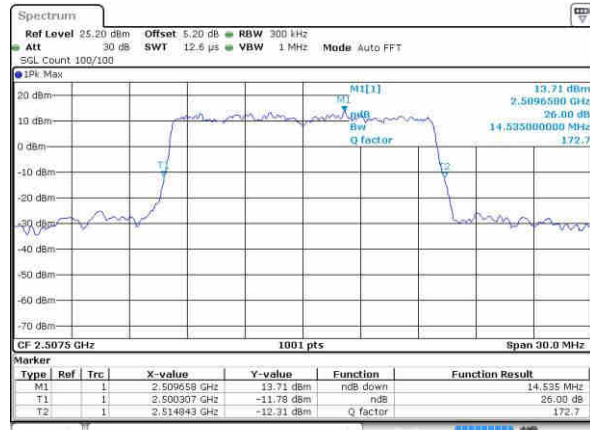


## LTE Band 7

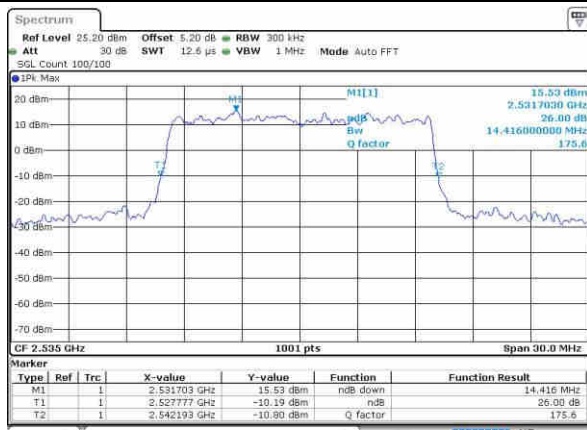
## Lowest Channel / 15MHz / QPSK



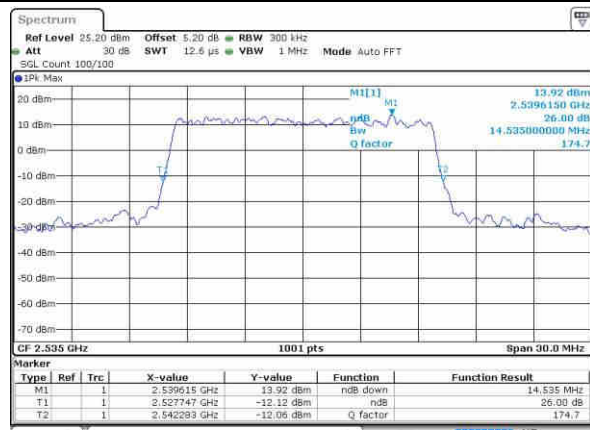
## Lowest Channel / 15MHz / 16QAM



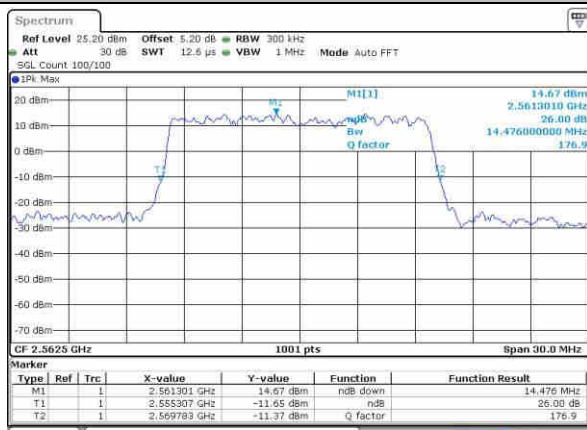
## Middle Channel / 15MHz / QPSK



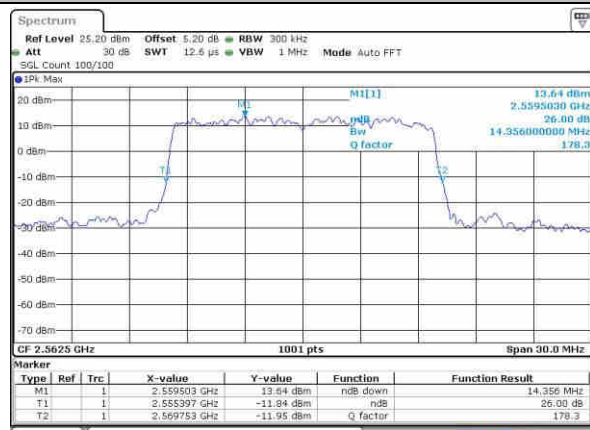
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



## Highest Channel / 15MHz / 16QAM

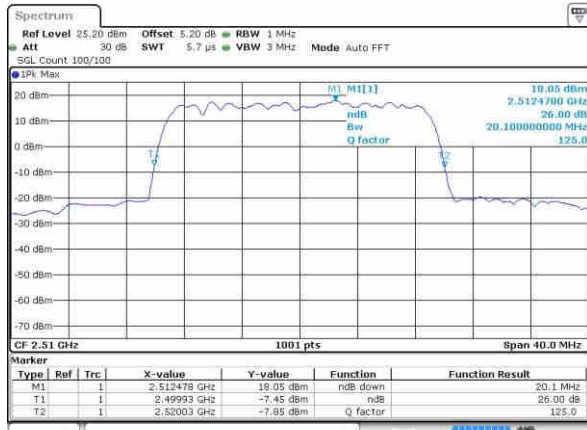




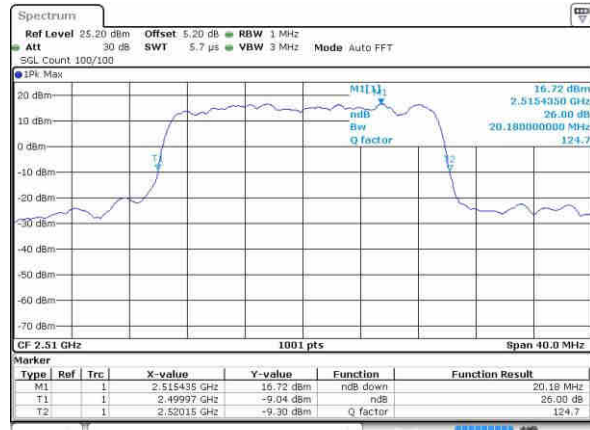


## LTE Band 7

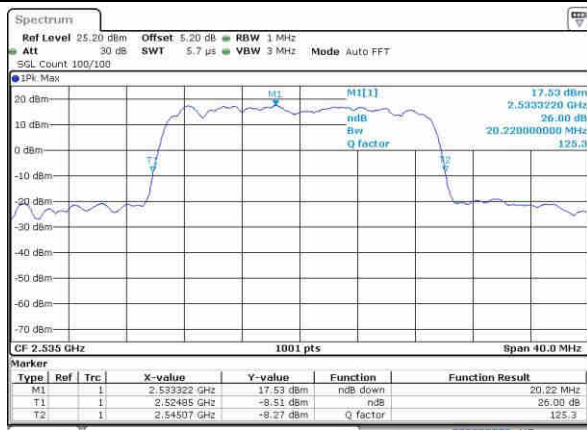
## Lowest Channel / 20MHz / QPSK



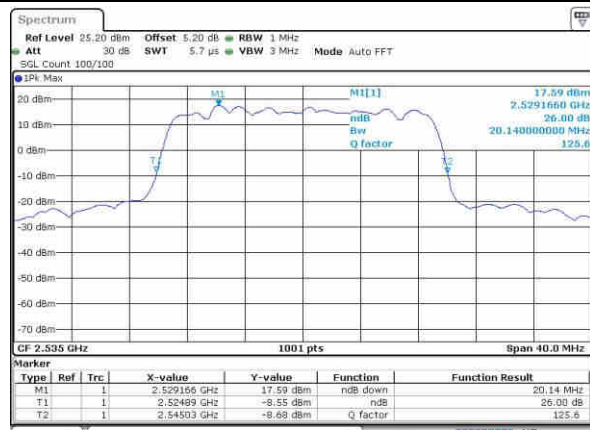
## Lowest Channel / 20MHz / 16QAM



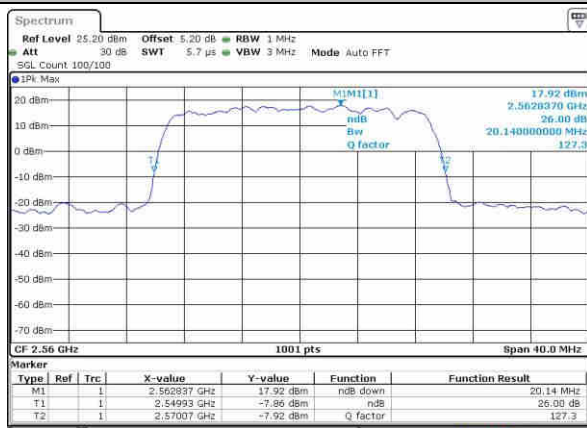
## Middle Channel / 20MHz / QPSK



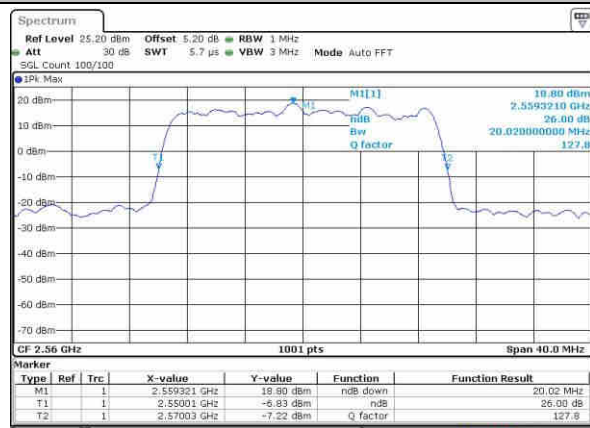
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



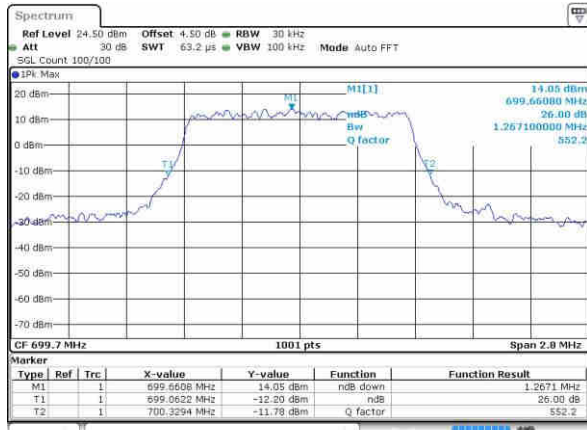
## Highest Channel / 20MHz / 16QAM





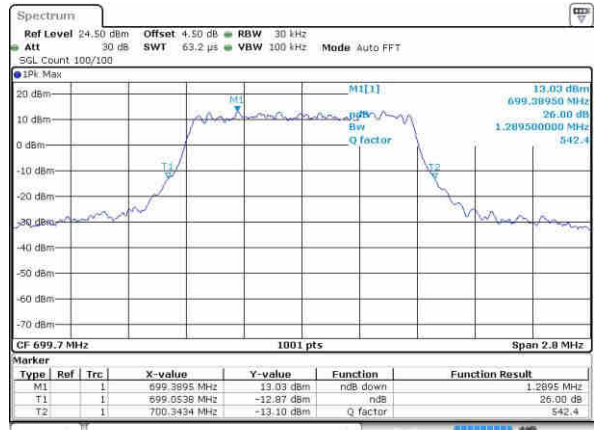
## LTE Band 12

## Lowest Channel / 1.4MHz / QPSK



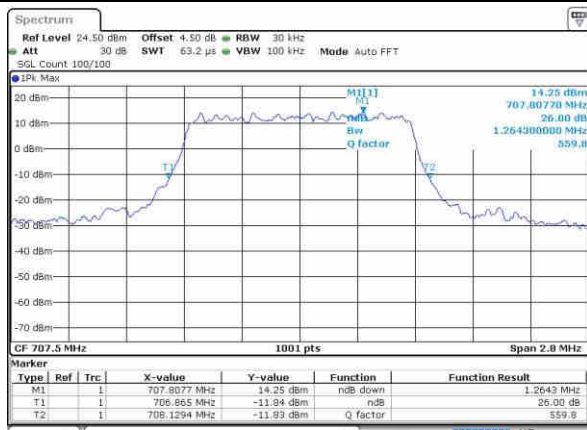
Date: 9 OCT 2016 04:24:26

## Lowest Channel / 1.4MHz / 16QAM



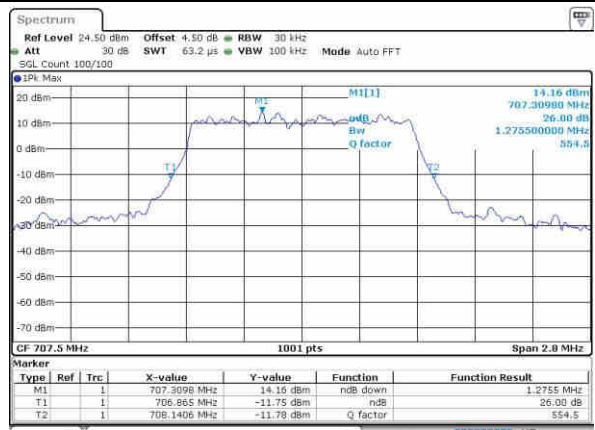
Date: 9 OCT 2016 04:24:15

## Middle Channel / 1.4MHz / QPSK



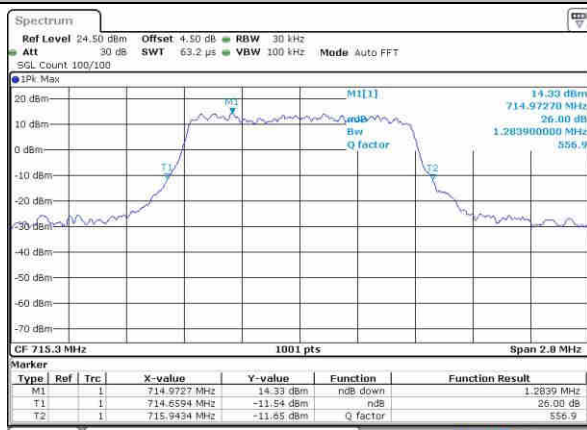
Date: 9 OCT 2016 04:23:53

## Middle Channel / 1.4MHz / 16QAM



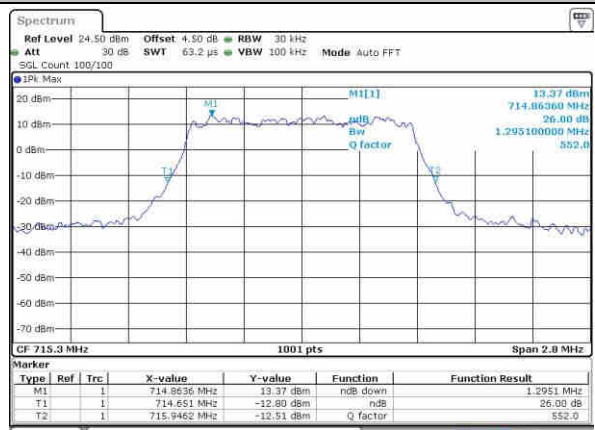
Date: 9 OCT 2016 04:24:04

## Highest Channel / 1.4MHz / QPSK



Date: 9 OCT 2016 04:23:41

## Highest Channel / 1.4MHz / 16QAM

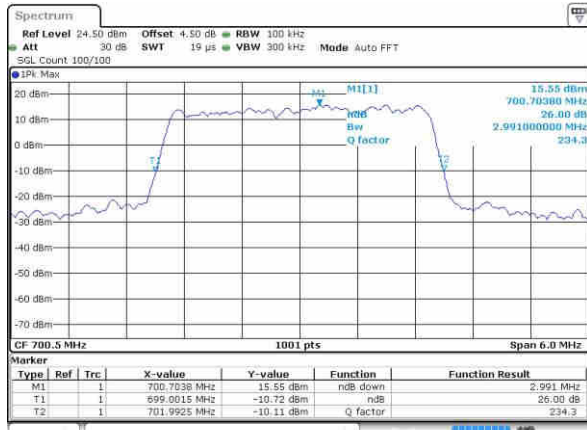


Date: 9 OCT 2016 04:23:30



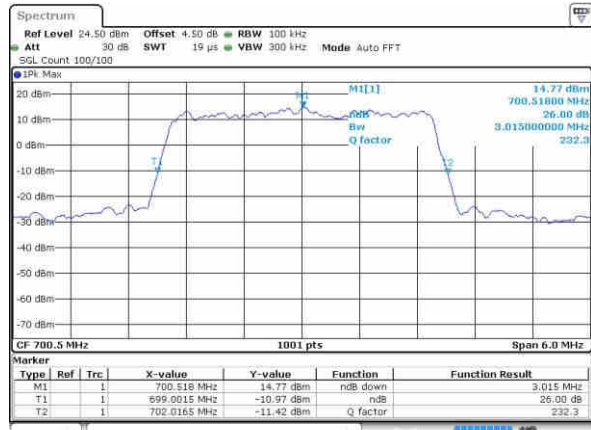
## LTE Band 12

## Lowest Channel / 3MHz / QPSK



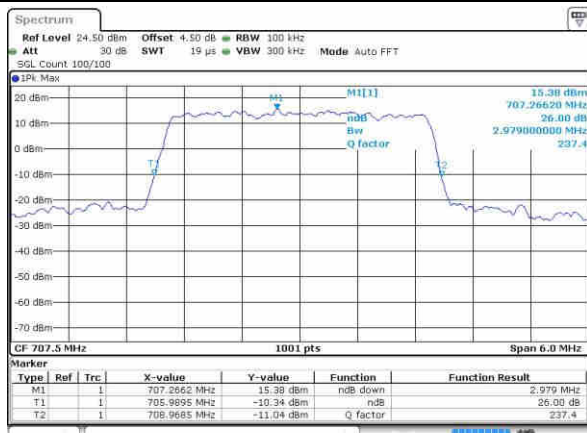
Date: 9.OCT.2016 04:41:35

## Lowest Channel / 3MHz / 16QAM



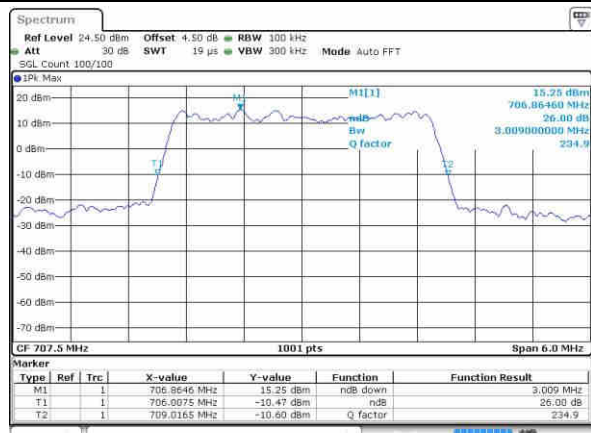
Date: 9.OCT.2016 04:41:24

## Middle Channel / 3MHz / QPSK



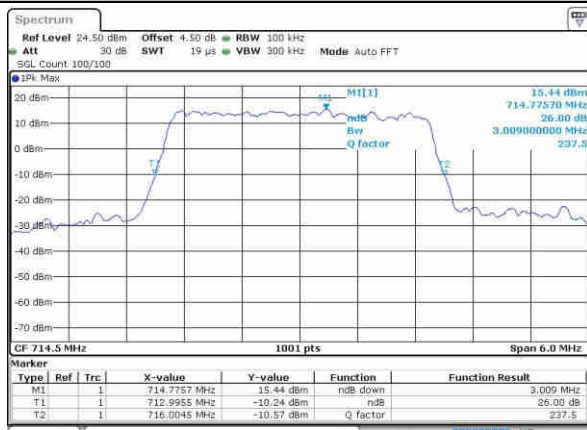
Date: 9.OCT.2016 04:41:02

## Middle Channel / 3MHz / 16QAM



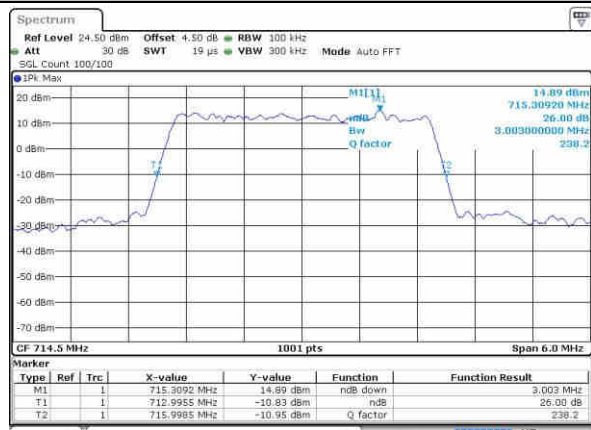
Date: 9.OCT.2016 04:41:13

## Highest Channel / 3MHz / QPSK



Date: 9.OCT.2016 04:40:51

## Highest Channel / 3MHz / 16QAM

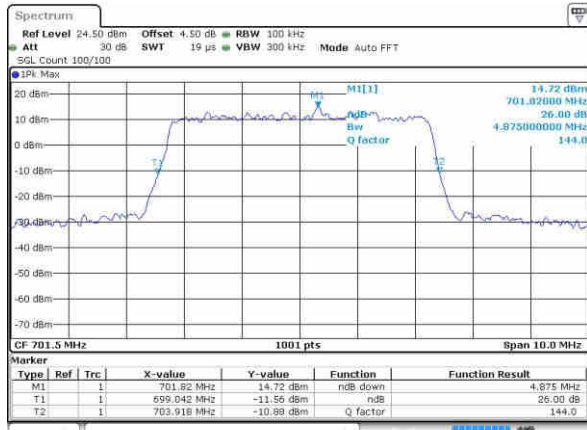


Date: 9.OCT.2016 04:40:40

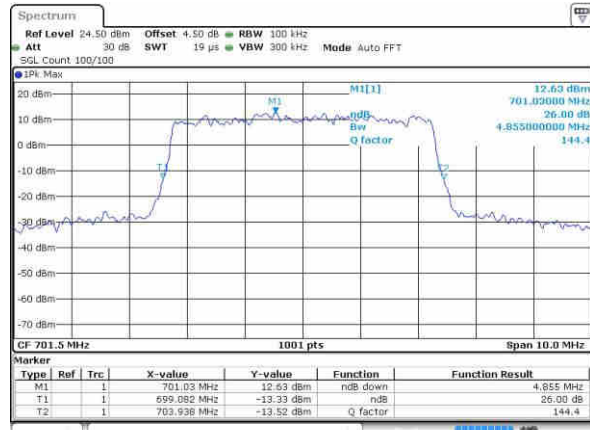


## LTE Band 12

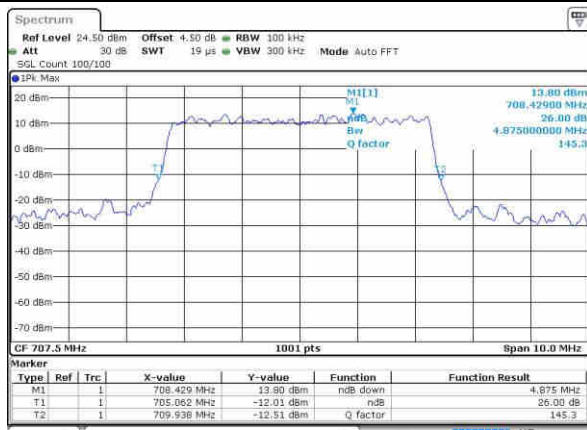
## Lowest Channel / 5MHz / QPSK



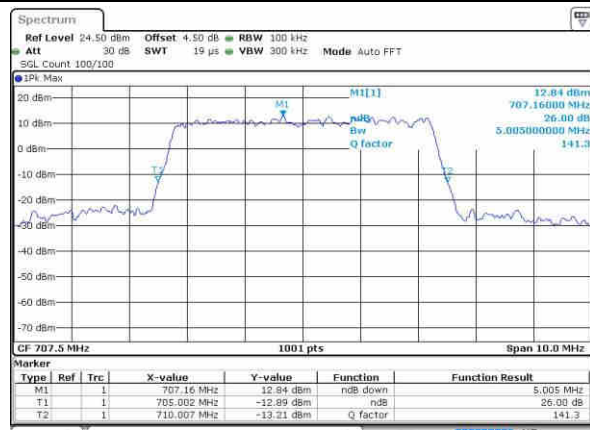
## Lowest Channel / 5MHz / 16QAM



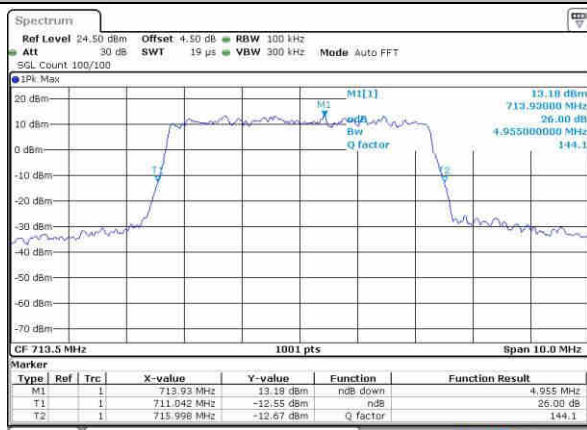
## Middle Channel / 5MHz / QPSK



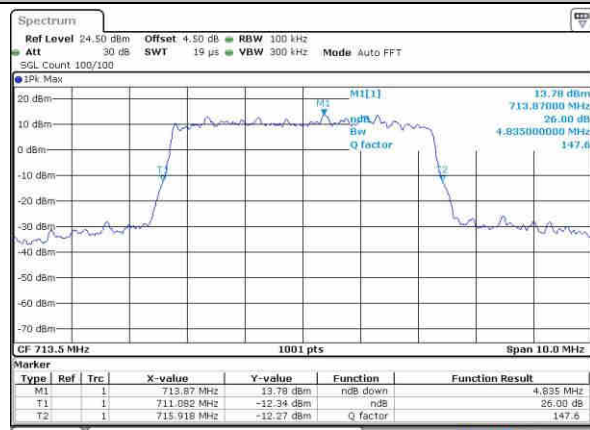
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



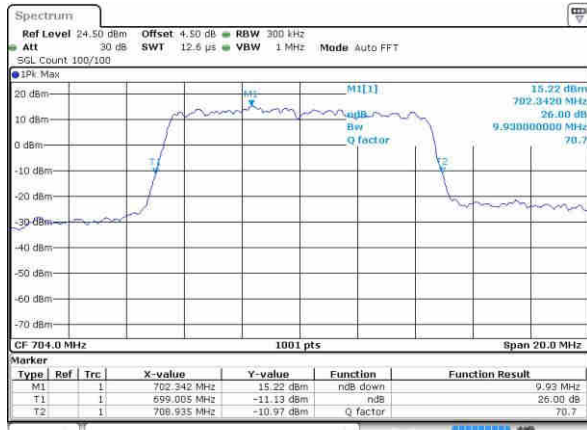
## Highest Channel / 5MHz / 16QAM





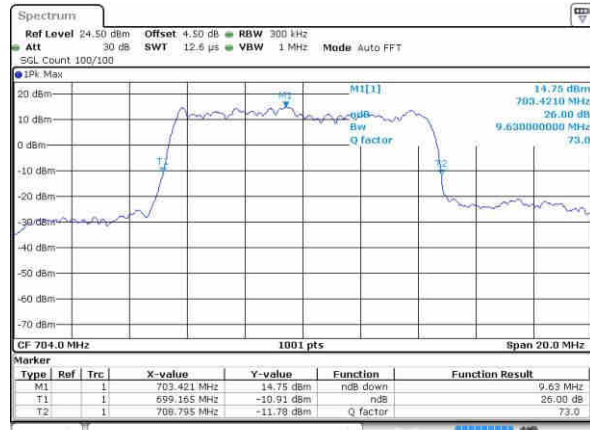
## LTE Band 12

## Lowest Channel / 10MHz / QPSK



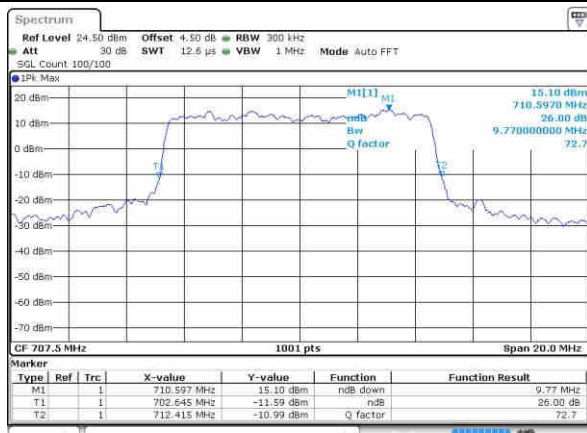
Date: 9 OCT 2016 05:15:50

## Lowest Channel / 10MHz / 16QAM



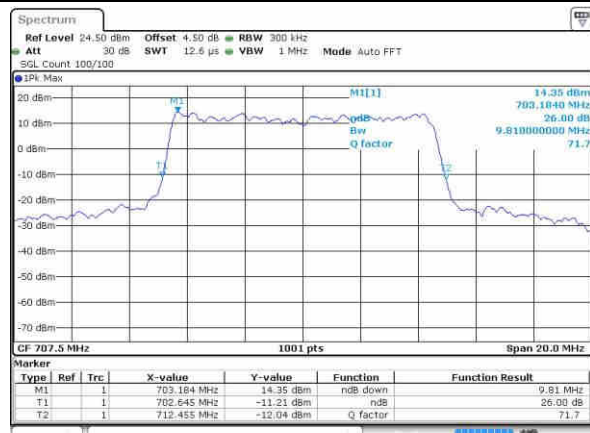
Date: 9 OCT 2016 05:15:39

## Middle Channel / 10MHz / QPSK



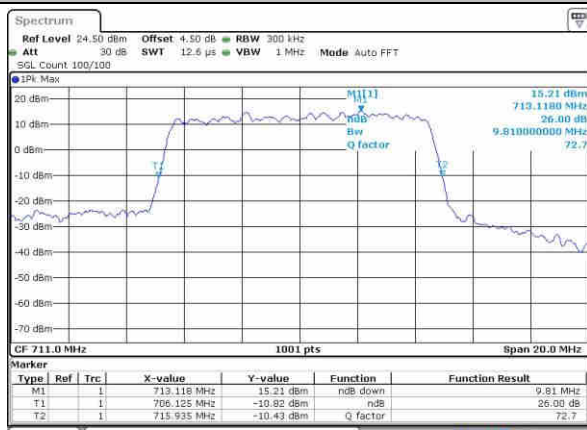
Date: 9 OCT 2016 05:15:16

## Middle Channel / 10MHz / 16QAM



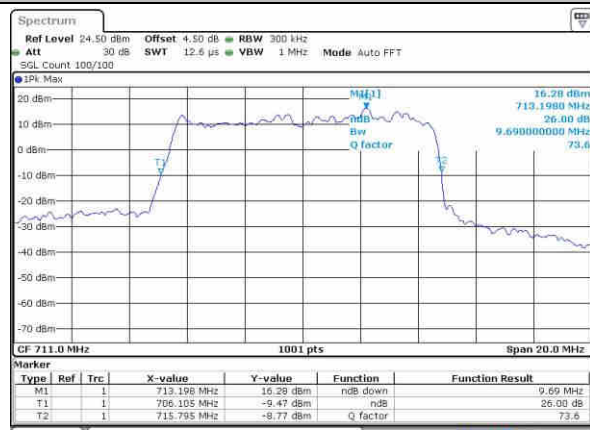
Date: 9 OCT 2016 05:15:28

## Highest Channel / 10MHz / QPSK



Date: 9 OCT 2016 05:15:05

## Highest Channel / 10MHz / 16QAM



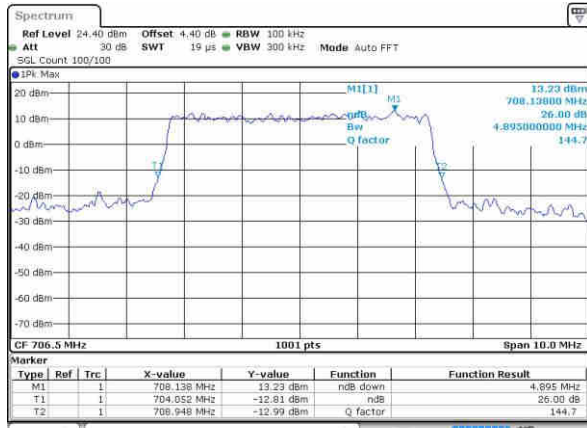
Date: 9 OCT 2016 05:14:54





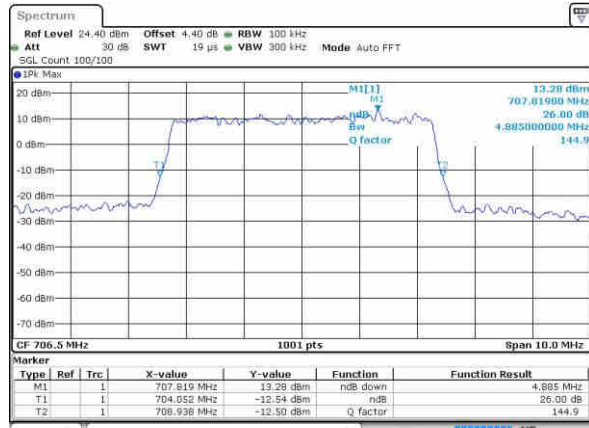
## LTE Band 17

## Lowest Channel / 5MHz / QPSK



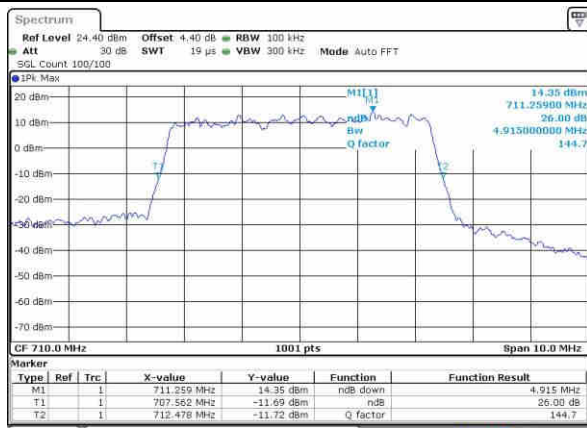
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## Lowest Channel / 5MHz / 16QAM



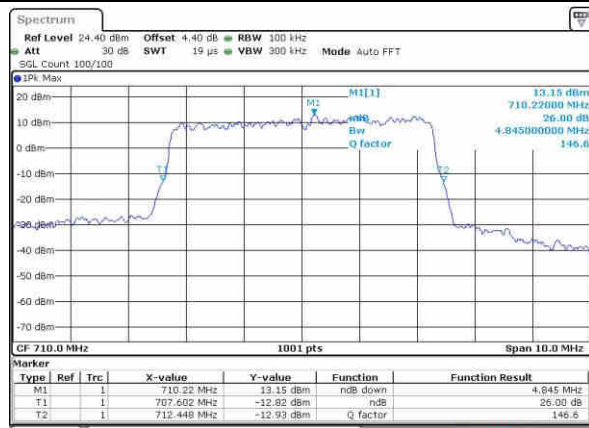
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## Middle Channel / 5MHz / QPSK



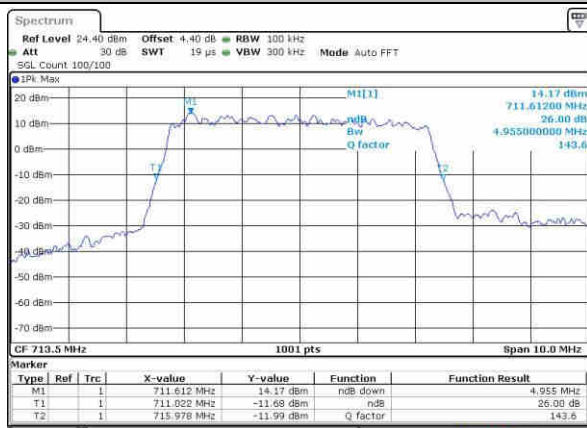
Date: 8.OCT.2016 17:43:09

## Middle Channel / 5MHz / 16QAM



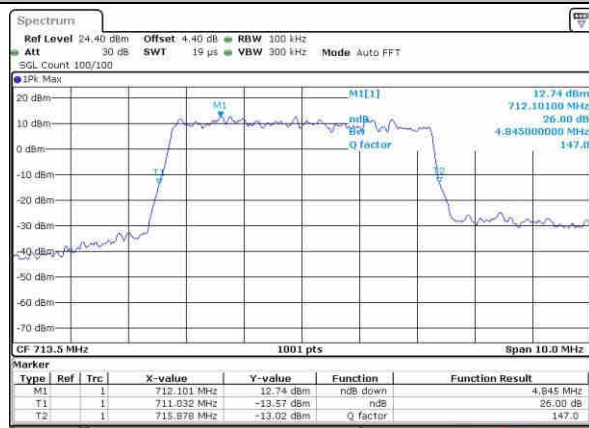
Date: 8.OCT.2016 17:43:20

## Highest Channel / 5MHz / QPSK



Date: 8.OCT.2016 17:45:45

## Highest Channel / 5MHz / 16QAM

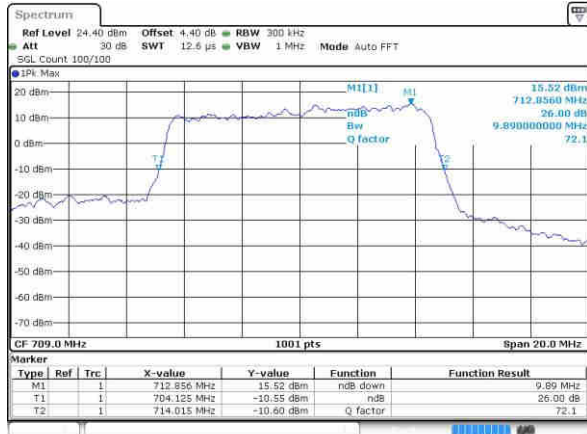


Date: 8.OCT.2016 17:45:56

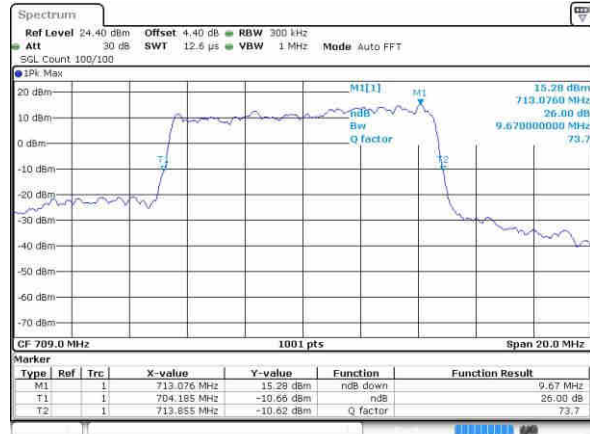


## LTE Band 17

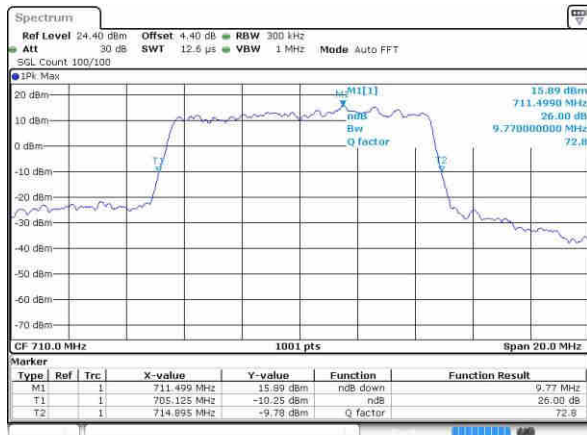
## Lowest Channel / 10MHz / QPSK



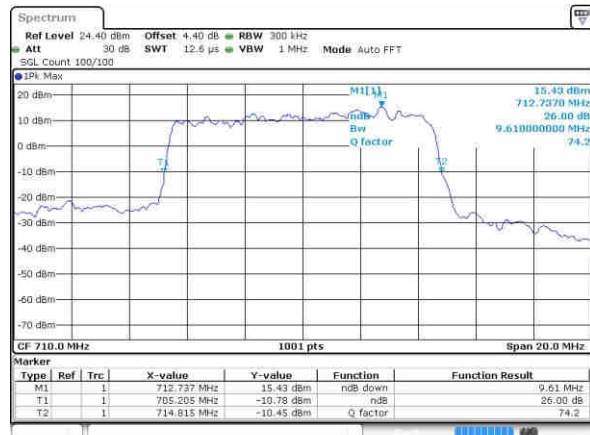
## Lowest Channel / 10MHz / 16QAM



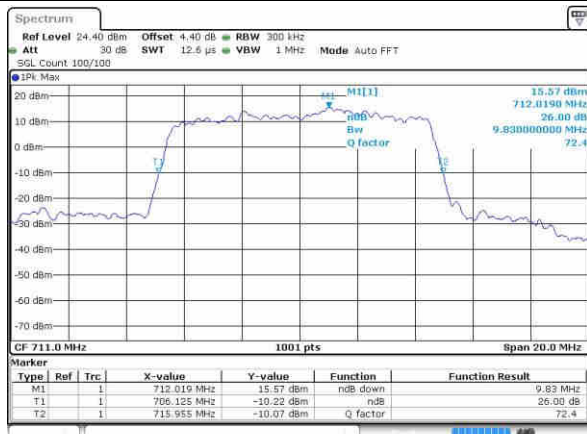
## Middle Channel / 10MHz / QPSK



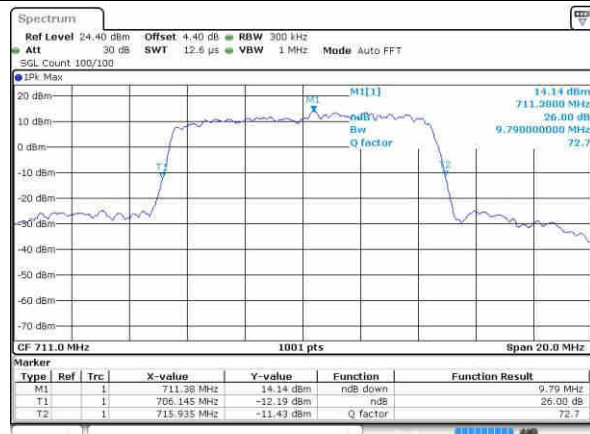
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



## Highest Channel / 10MHz / 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  | 1.10                     | 1.09  | 2.72 | 2.72  | 4.50 | 4.50  | 9.01  | 9.01  | 13.37 | 13.34 | 18.30 | 18.42 |
| Middle CH  | 1.10                     | 1.10  | 2.75 | 2.70  | 4.48 | 4.50  | 9.03  | 8.95  | 13.40 | 13.43 | 18.22 | 18.18 |
| Highest CH | 1.09                     | 1.10  | 2.72 | 2.73  | 4.50 | 4.51  | 9.07  | 8.97  | 13.43 | 13.46 | 18.34 | 18.34 |

| 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  | 2.73 | 2.72  | 4.48 | 4.49  | 9.01  | 8.95  | 13.40 | 13.46 | 18.30 | 18.30 |
| Middle CH  | 1.09                     | 1.09  | 2.72 | 2.72  | 4.48 | 4.49  | 9.05  | 8.97  | 13.34 | 13.43 | 18.42 | 18.38 |
| Highest CH | 1.09                     | 1.08  | 2.72 | 2.72  | 4.49 | 4.51  | 9.01  | 9.01  | 13.46 | 13.43 | 18.14 | 18.22 |

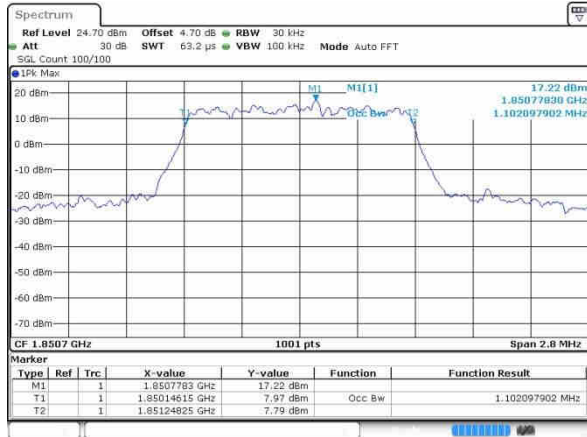
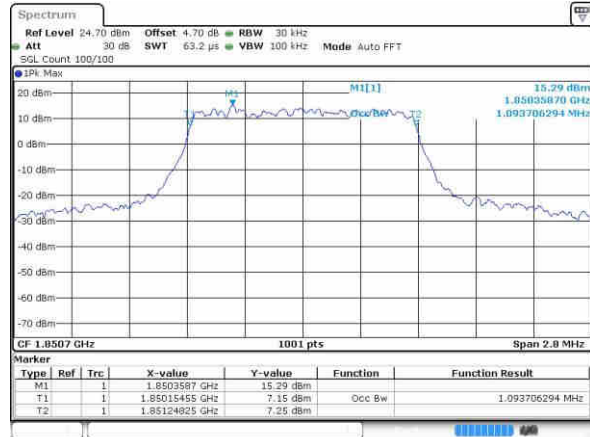
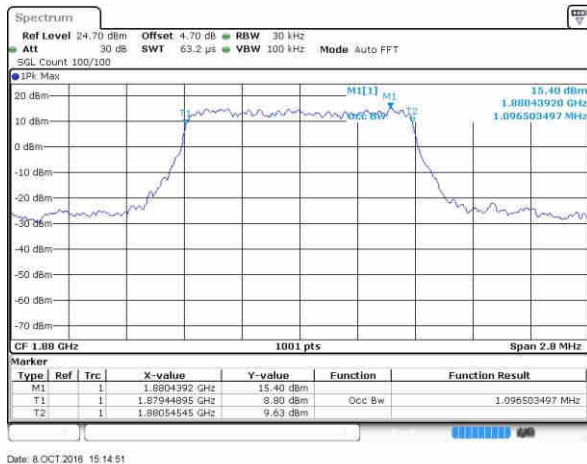
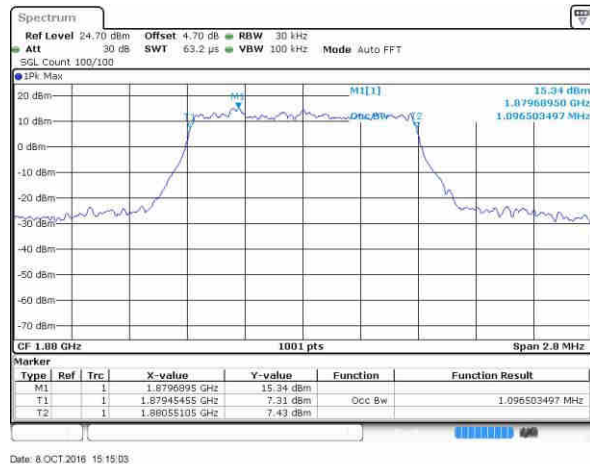
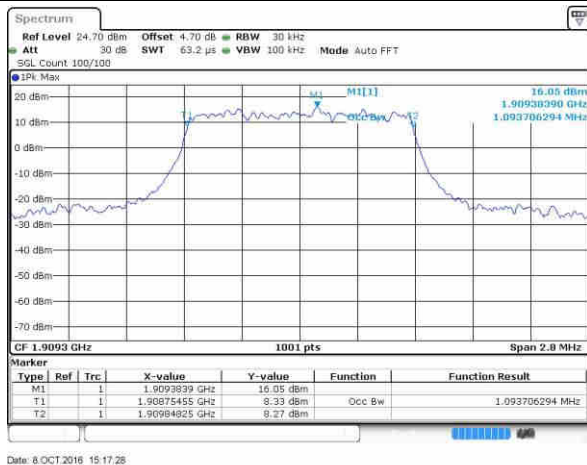
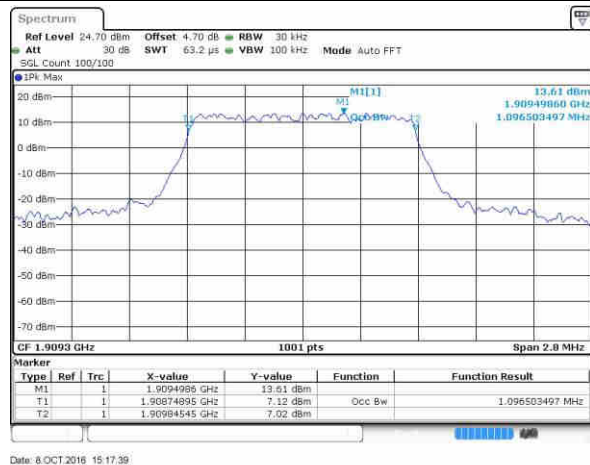
| Mode       | LTE Band 5 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                     | 1.09  | 2.72 | 2.72  | 4.50 | 4.49  | 9.05  | 9.01  | -     | -     | -     | -     |
| Middle CH  | 1.09                     | 1.10  | 2.72 | 2.73  | 4.50 | 4.49  | 9.05  | 9.03  | -     | -     | -     | -     |
| Highest CH | 1.09                     | 1.10  | 2.72 | 2.70  | 4.49 | 4.49  | 9.01  | 8.95  | -     | -     | -     | -     |



| 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  | -                        | -     | -    | -     | 4.50 | 4.49  | 9.05  | 9.01  | 13.52 | 13.49 | 18.26 | 18.26 |
| Middle CH  | -                        | -     | -    | -     | 4.49 | 4.48  | 8.99  | 8.97  | 13.46 | 13.46 | 18.26 | 18.46 |
| Highest CH | -                        | -     | -    | -     | 4.51 | 4.49  | 8.99  | 8.97  | 13.37 | 13.46 | 18.26 | 18.42 |

| 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                      | 1.10  | 2.72 | 2.73  | 4.50 | 4.48  | 9.03  | 8.99  | -     | -     | -     | -     |
| Middle CH  | 1.09                      | 1.09  | 2.74 | 2.73  | 4.50 | 4.49  | 9.09  | 9.05  | -     | -     | -     | -     |
| Highest CH | 1.09                      | 1.10  | 2.70 | 2.73  | 4.50 | 4.48  | 9.01  | 8.93  | -     | -     | -     | -     |

| Mode       | LTE Band 17 : 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 | 4.50  | 9.01  | 8.99  | -     | -     | -     | -     |
| Middle CH  | -                         | -     | -    | -     | 4.48 | 4.49  | 8.97  | 8.97  | -     | -     | -     | -     |
| Highest CH | -                         | -     | -    | -     | 4.48 | 4.47  | 9.03  | 8.95  | -     | -     | -     | -     |

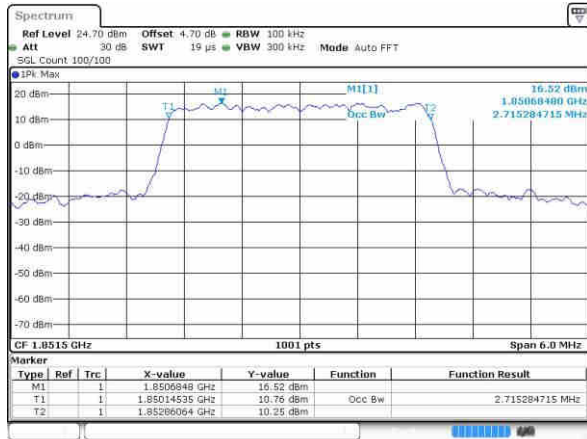
**LTE Band 2****Lowest Channel / 1.4MHz / QPSK****Lowest Channel / 1.4MHz / 16QAM****Middle Channel / 1.4MHz / QPSK****Middle Channel / 1.4MHz / 16QAM****Highest Channel / 1.4MHz / QPSK****Highest Channel / 1.4MHz / 16QAM**



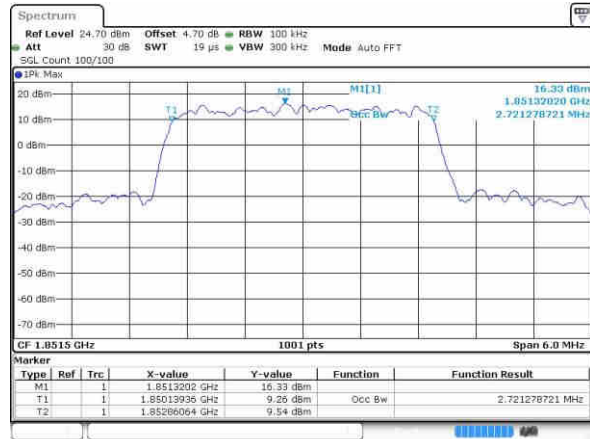


## LTE Band 2

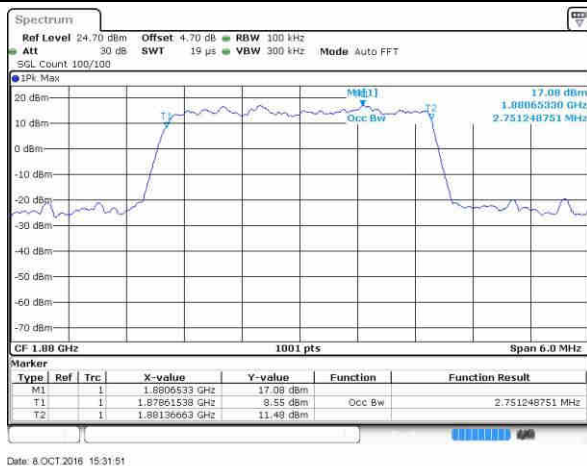
## Lowest Channel / 3MHz / QPSK



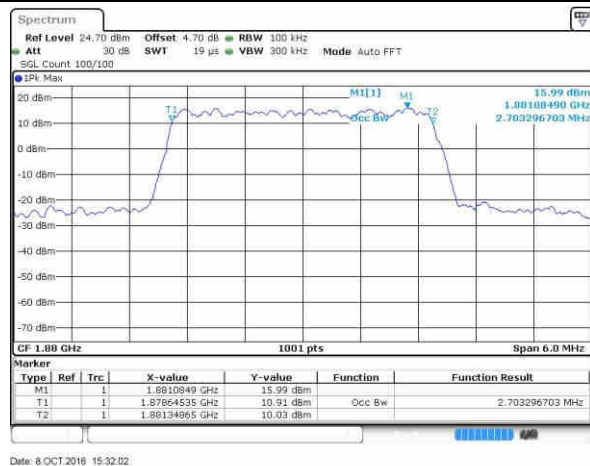
## Lowest Channel / 3MHz / 16QAM



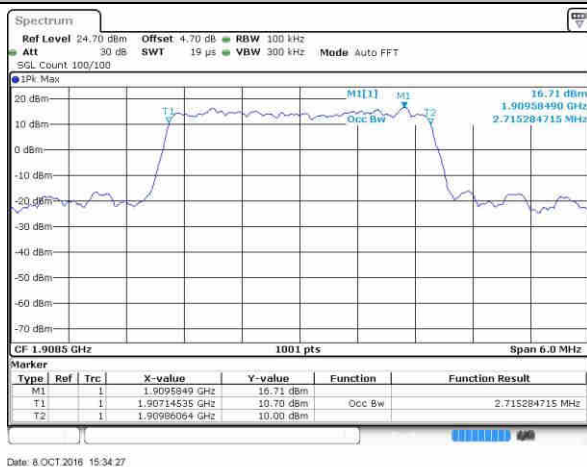
## Middle Channel / 3MHz / QPSK



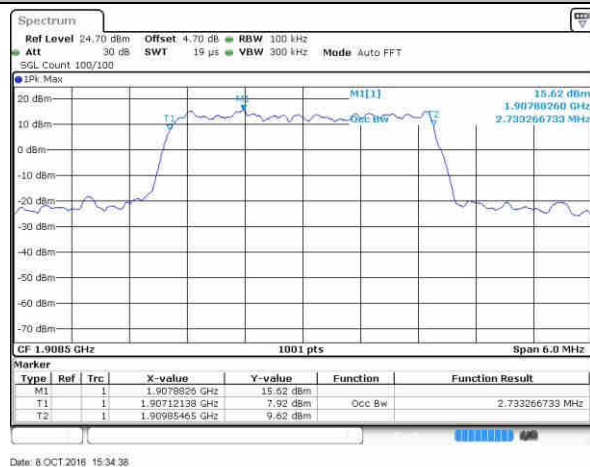
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



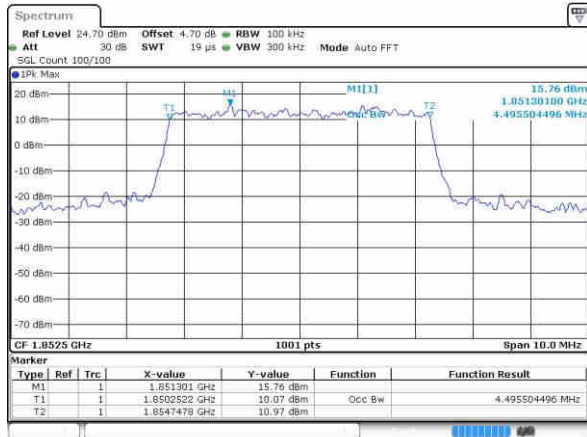
## Highest Channel / 3MHz / 16QAM



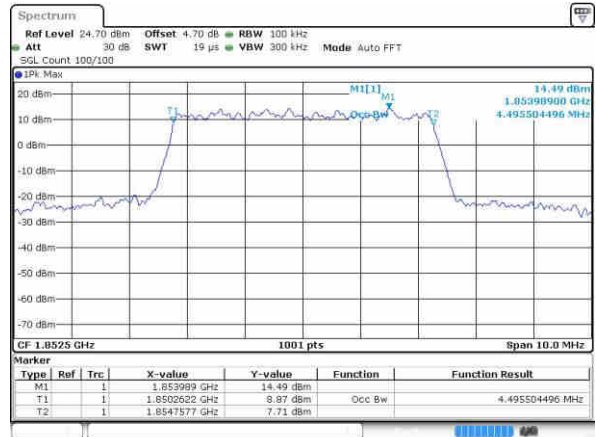


## LTE Band 2

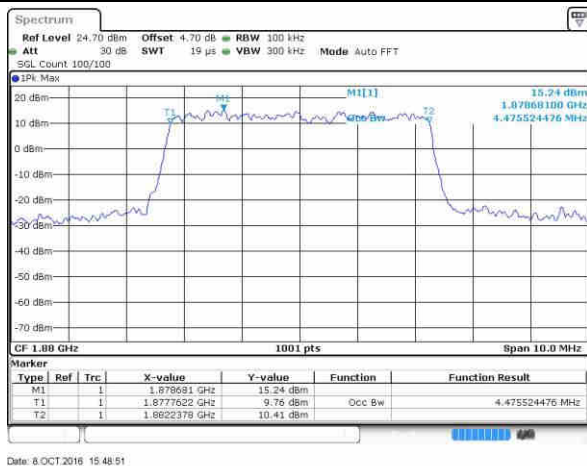
## Lowest Channel / 5MHz / QPSK



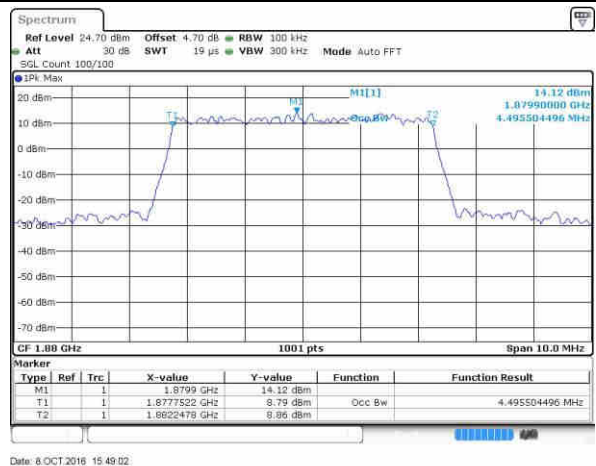
## Lowest Channel / 5MHz / 16QAM



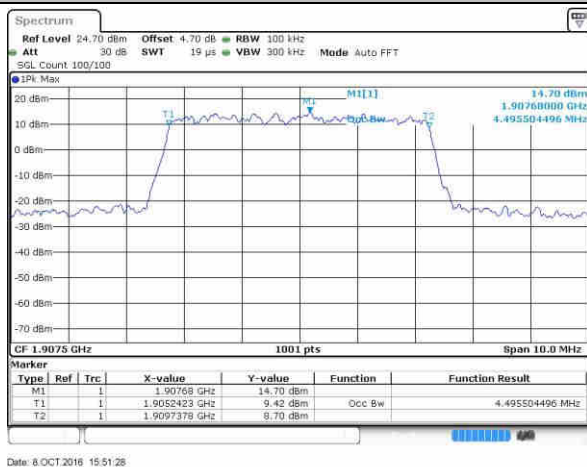
## Middle Channel / 5MHz / QPSK



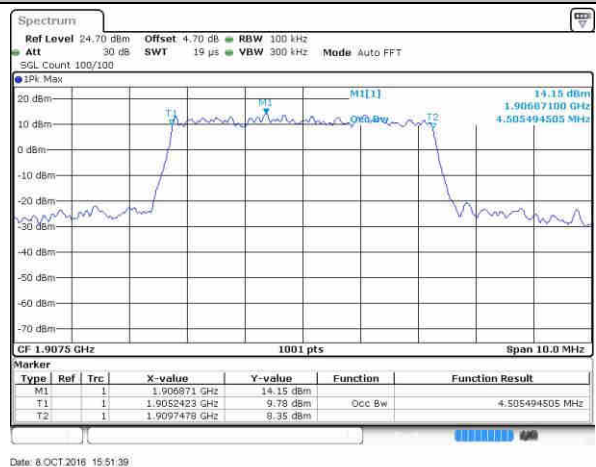
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



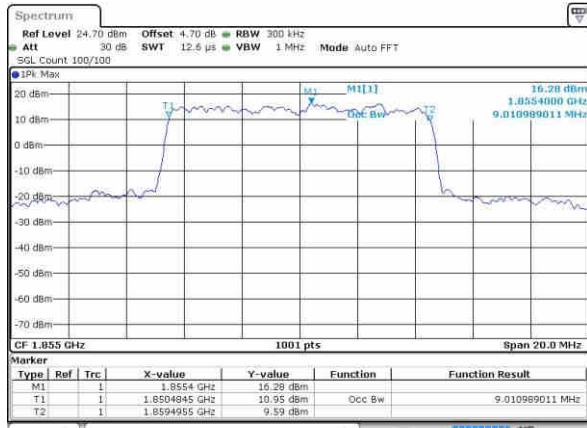
## Highest Channel / 5MHz / 16QAM



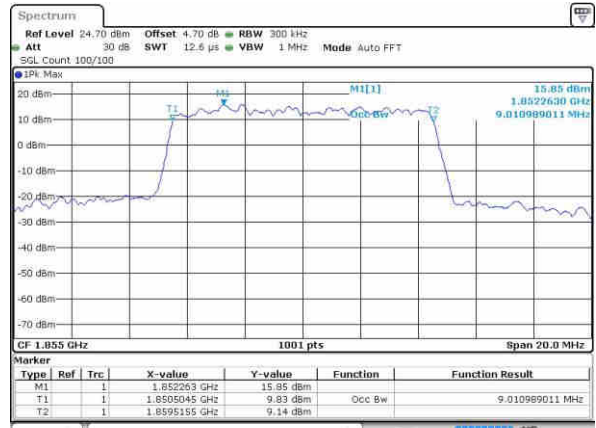


## LTE Band 2

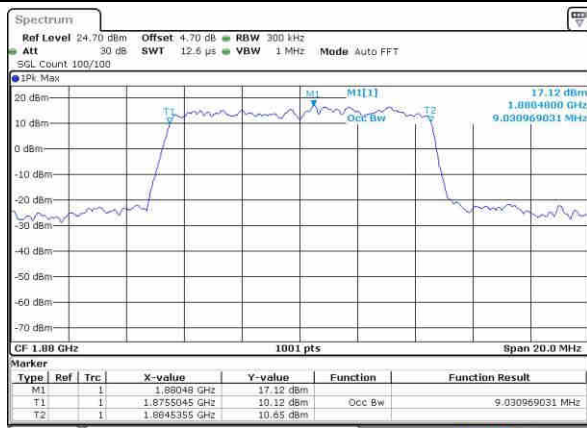
## Lowest Channel / 10MHz / QPSK



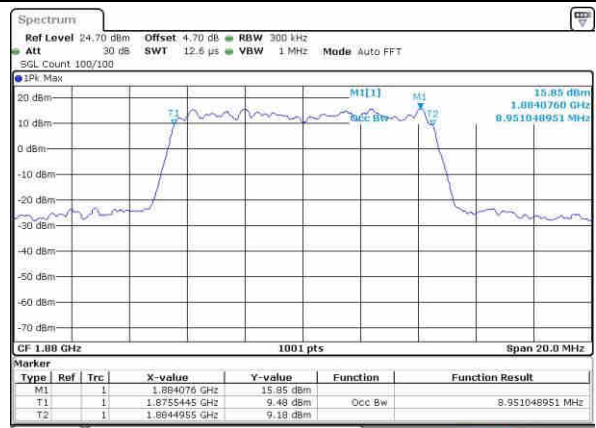
## Lowest Channel / 10MHz / 16QAM



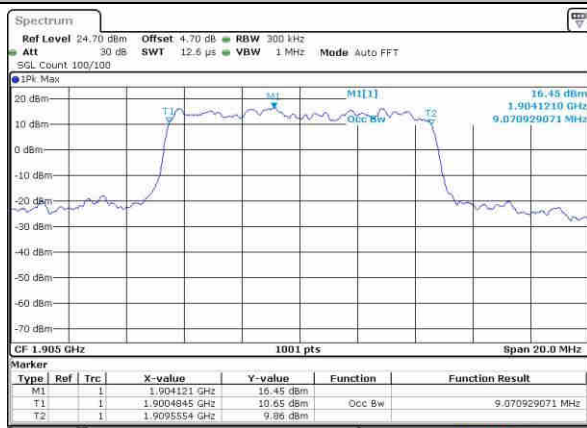
## Middle Channel / 10MHz / QPSK



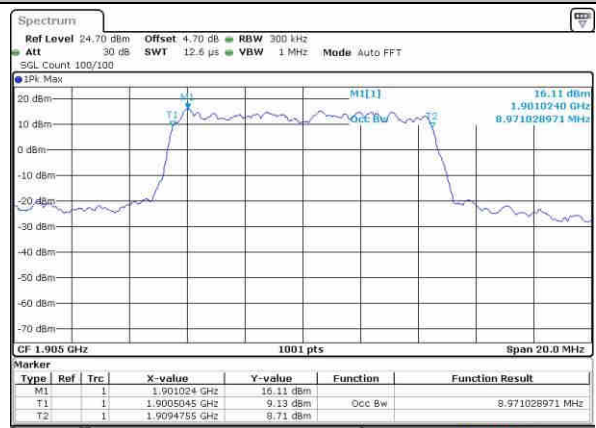
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



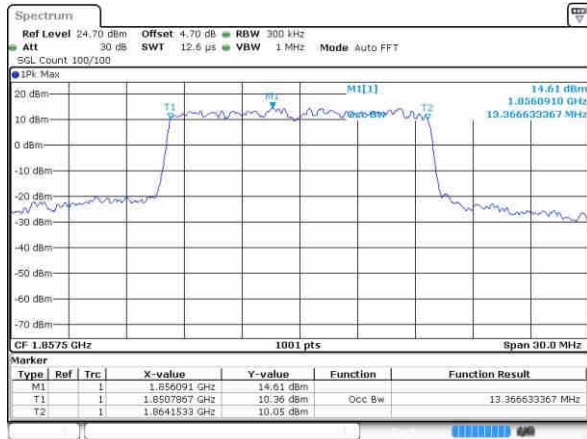
## Highest Channel / 10MHz / 16QAM



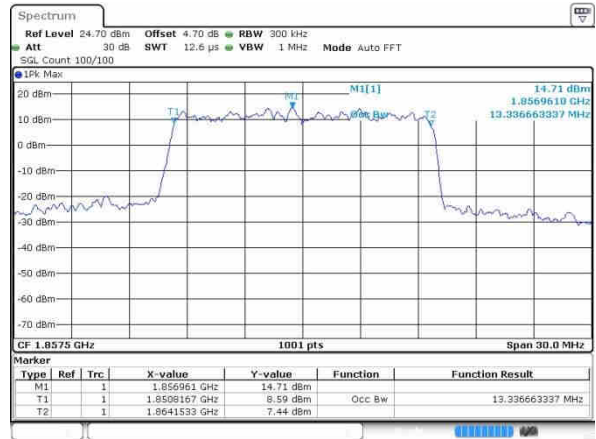


## LTE Band 2

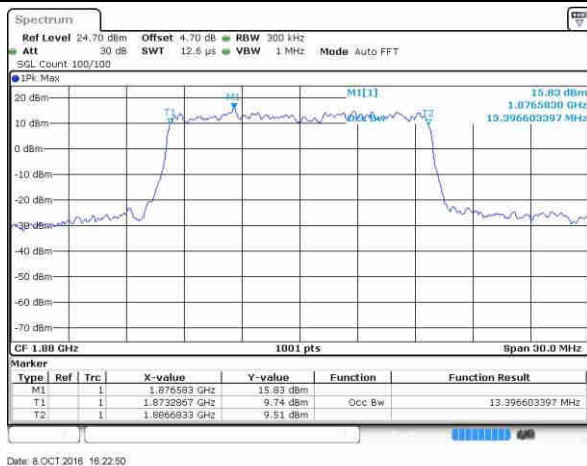
## Lowest Channel / 15MHz / QPSK



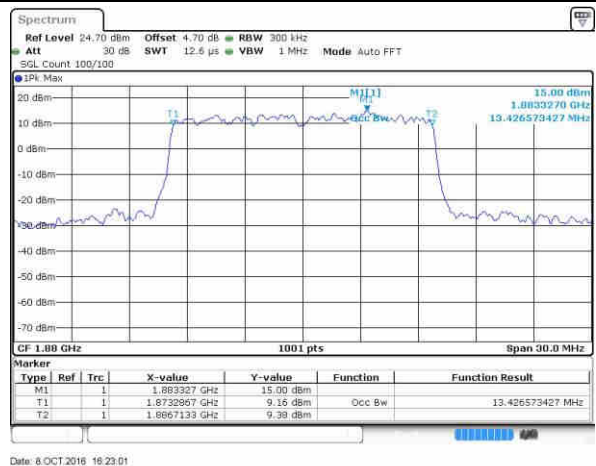
## Lowest Channel / 15MHz / 16QAM



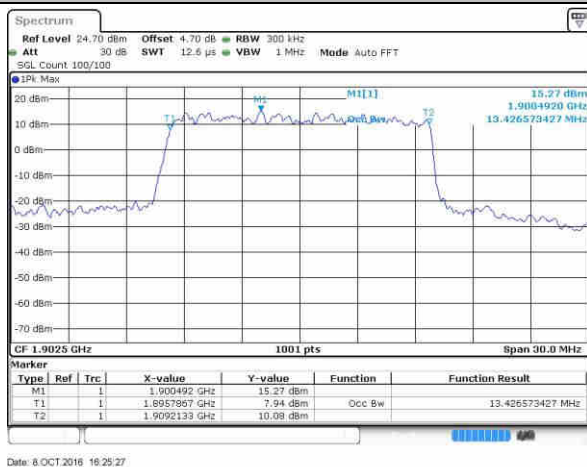
## Middle Channel / 15MHz / QPSK



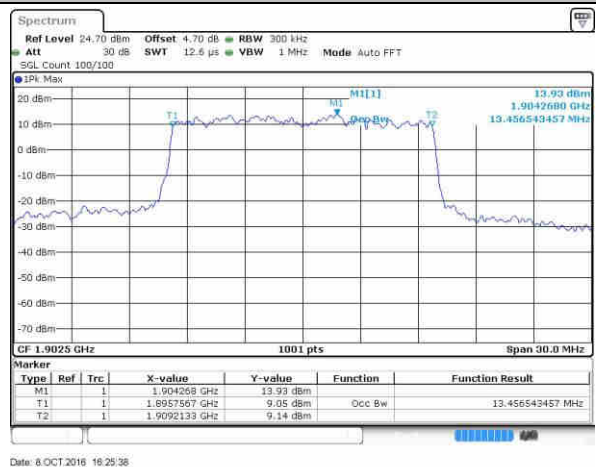
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



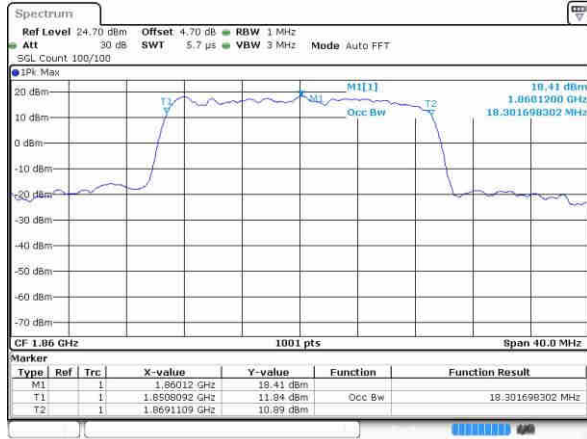
## Highest Channel / 15MHz / 16QAM



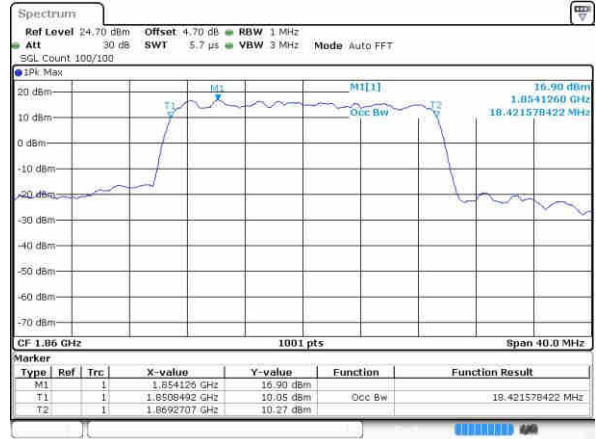


## LTE Band 2

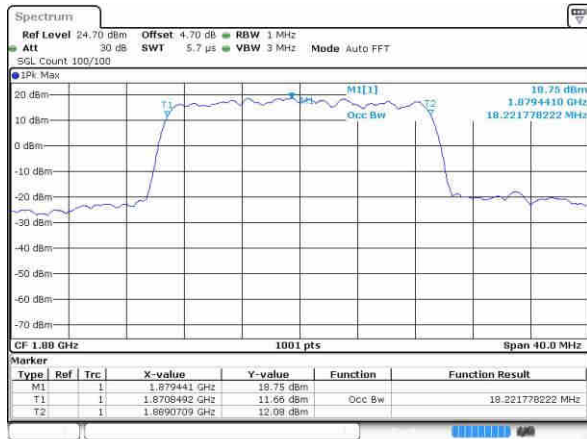
## Lowest Channel / 20MHz / QPSK



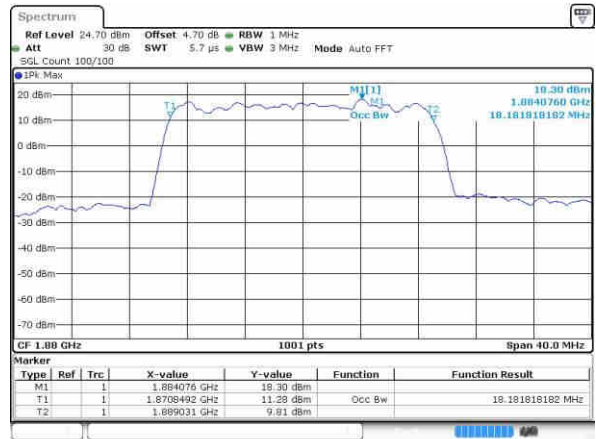
## Lowest Channel / 20MHz / 16QAM



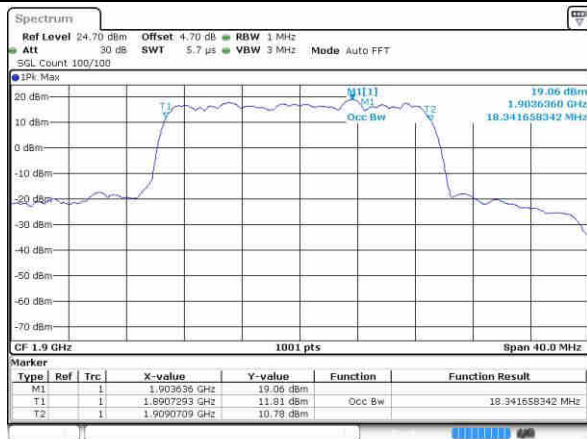
## Middle Channel / 20MHz / QPSK



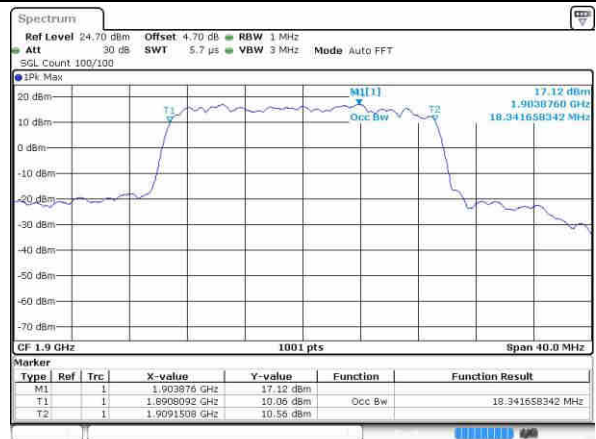
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



## Highest Channel / 20MHz / 16QAM

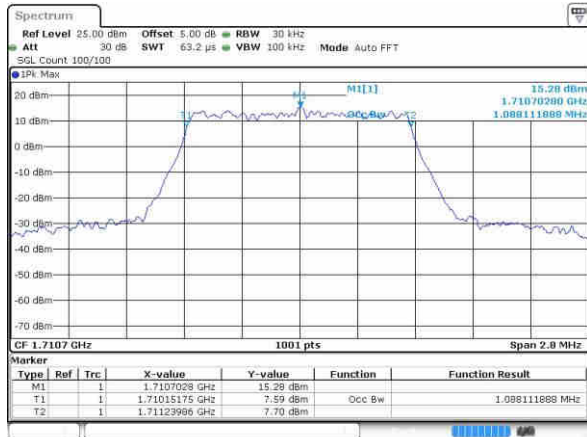




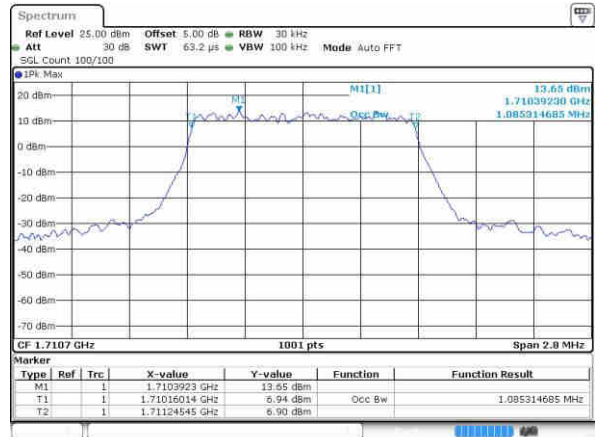


## LTE Band 4

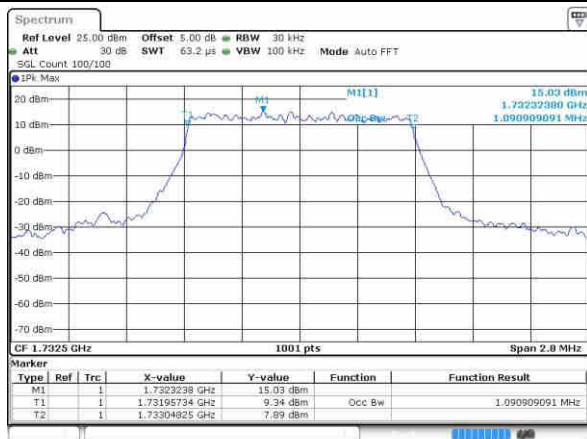
## Lowest Channel / 1.4MHz / QPSK



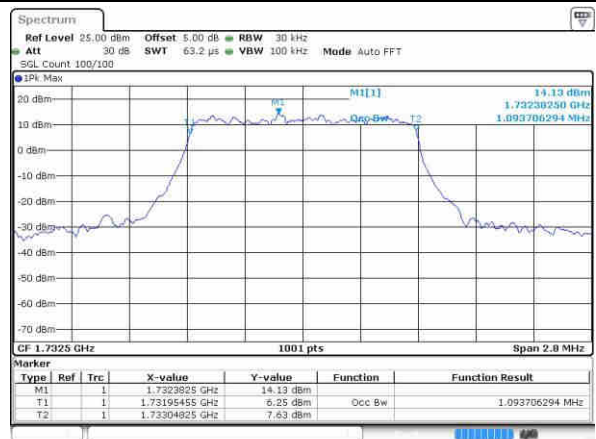
## Lowest Channel / 1.4MHz / 16QAM



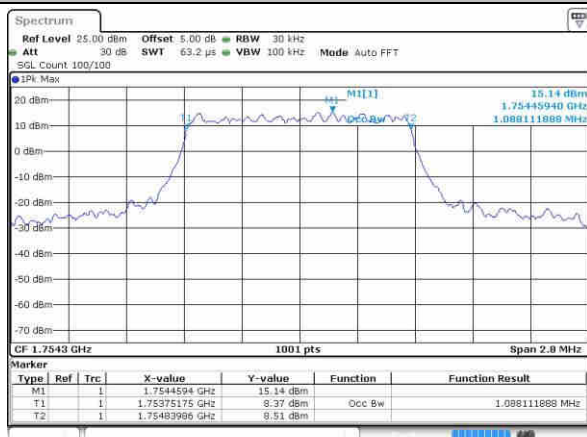
## Middle Channel / 1.4MHz / QPSK



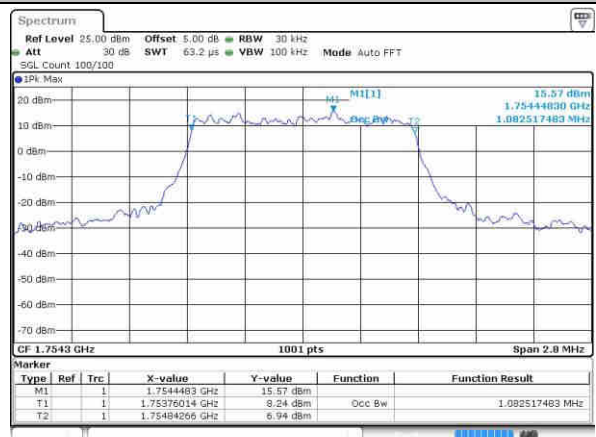
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



## Highest Channel / 1.4MHz / 16QAM

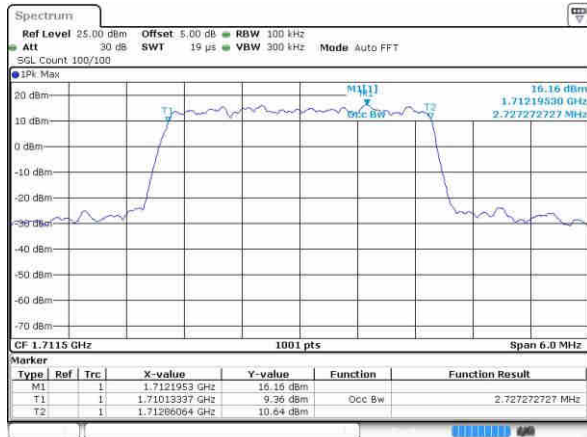




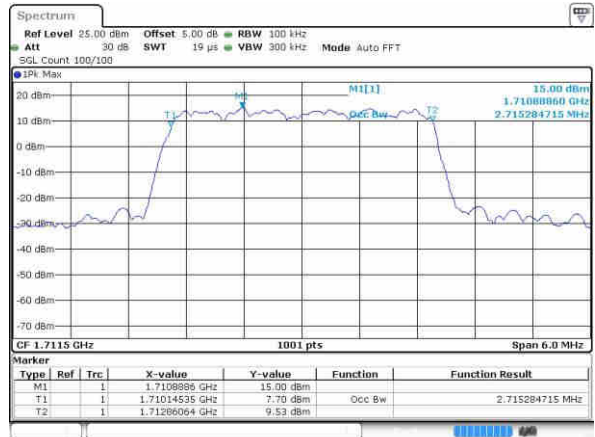


## LTE Band 4

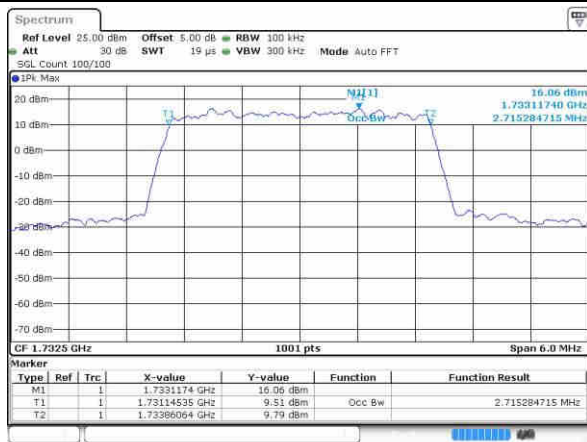
## Lowest Channel / 3MHz / QPSK



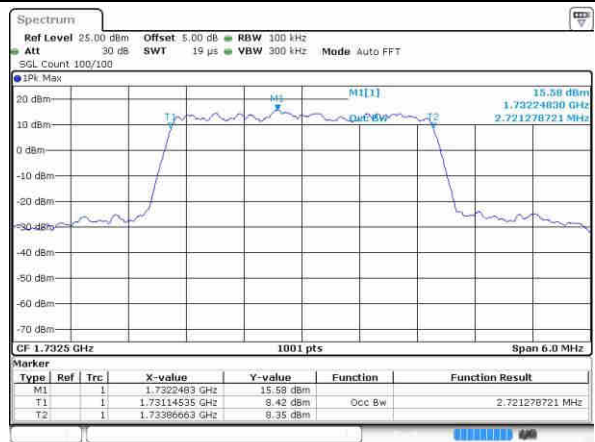
## Lowest Channel / 3MHz / 16QAM



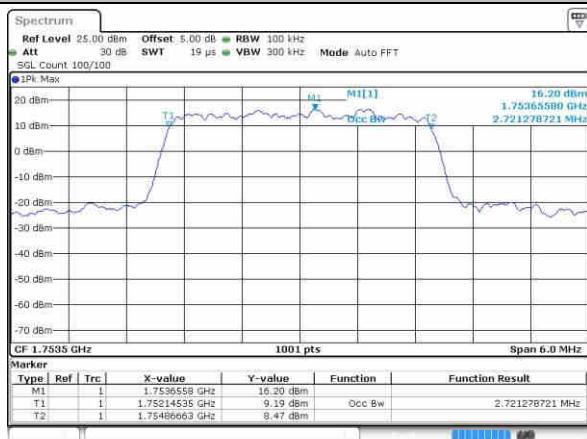
## Middle Channel / 3MHz / QPSK



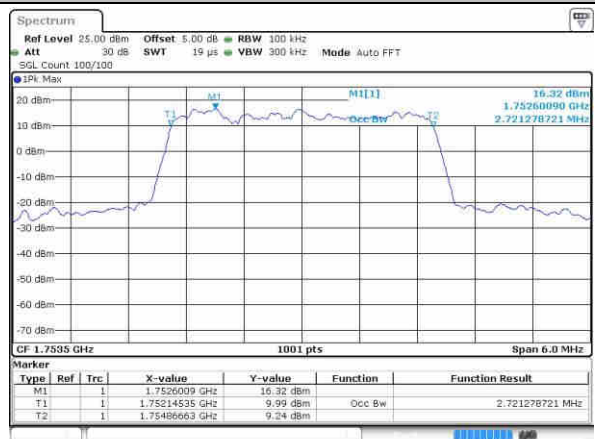
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



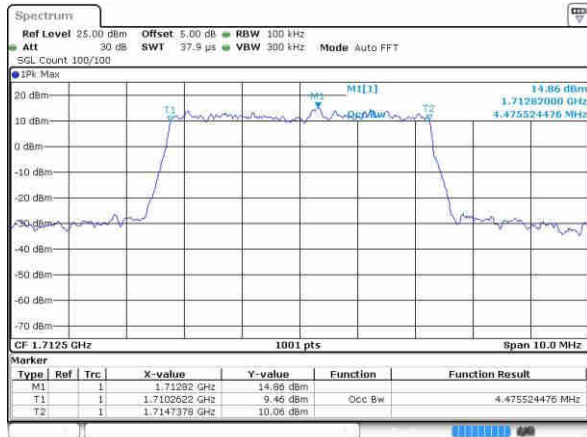
## Highest Channel / 3MHz / 16QAM



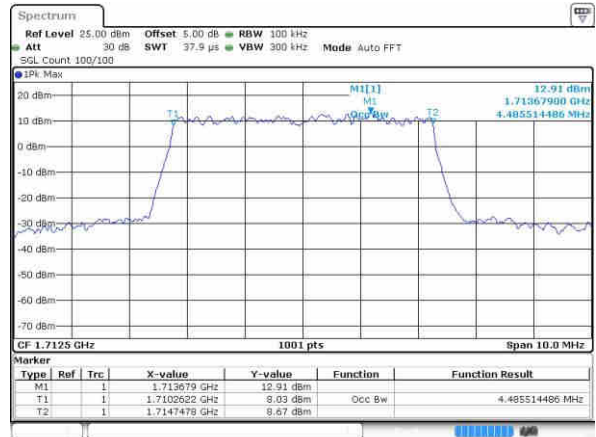


## LTE Band 4

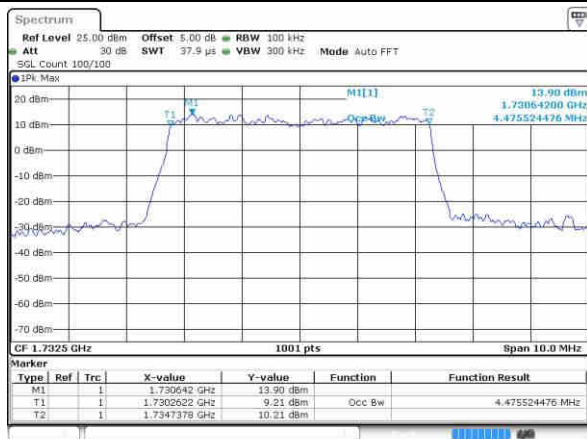
## Lowest Channel / 5MHz / QPSK



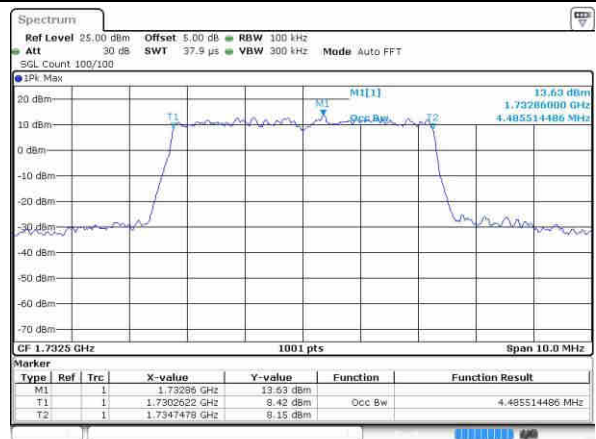
## Lowest Channel / 5MHz / 16QAM



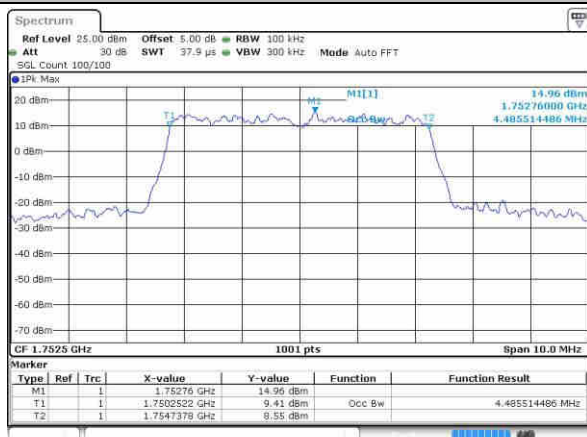
## Middle Channel / 5MHz / QPSK



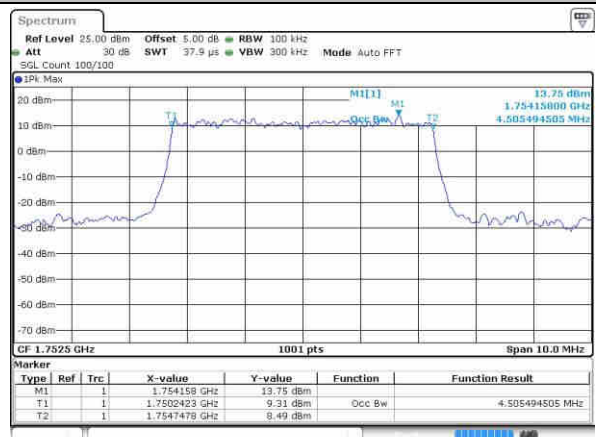
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



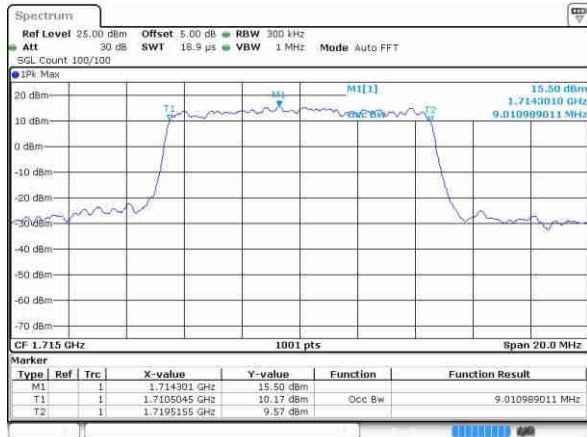
## Highest Channel / 5MHz / 16QAM





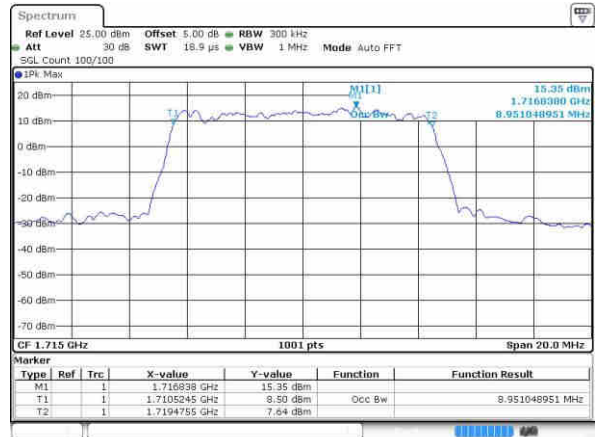
## LTE Band 4

## Lowest Channel / 10MHz / QPSK



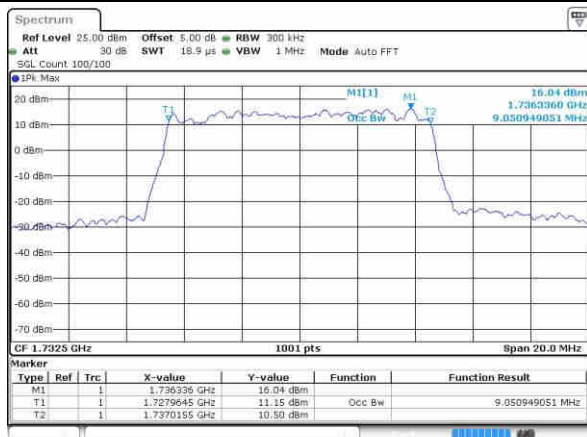
Date: 8.OCT.2016 23:38:01

## Lowest Channel / 10MHz / 16QAM



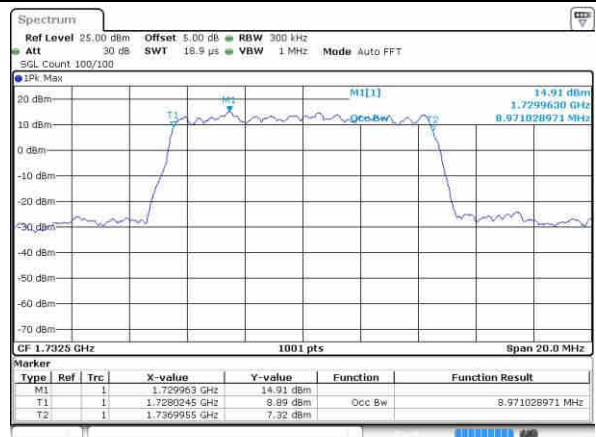
Date: 8.OCT.2016 23:38:11

## Middle Channel / 10MHz / QPSK



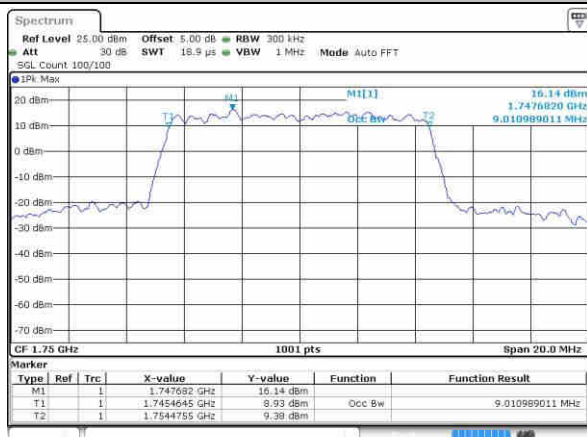
Date: 8.OCT.2016 23:45:07

## Middle Channel / 10MHz / 16QAM



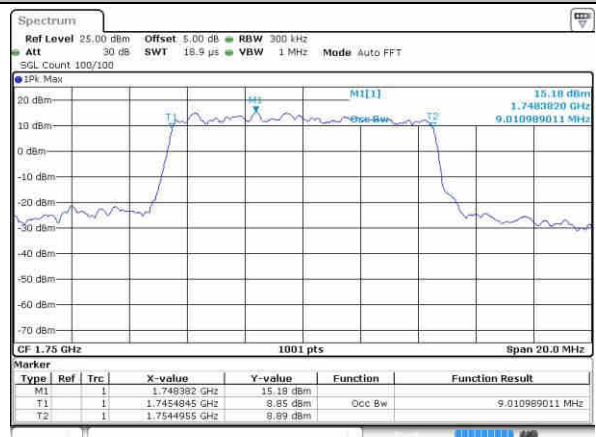
Date: 8.OCT.2016 23:45:16

## Highest Channel / 10MHz / QPSK



Date: 8.OCT.2016 23:47:38

## Highest Channel / 10MHz / 16QAM

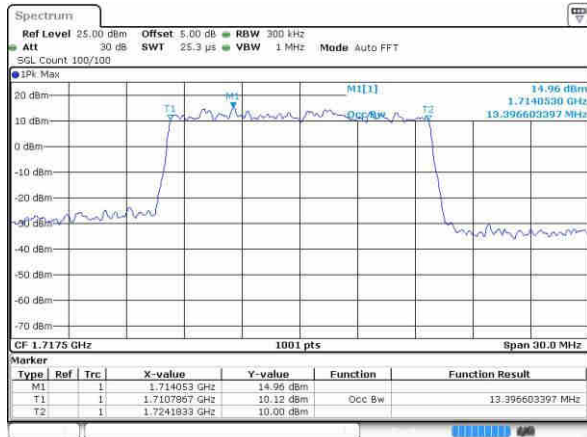


Date: 8.OCT.2016 23:47:48

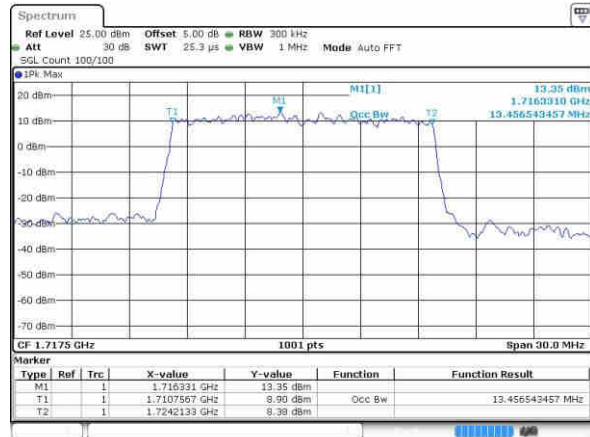


## LTE Band 4

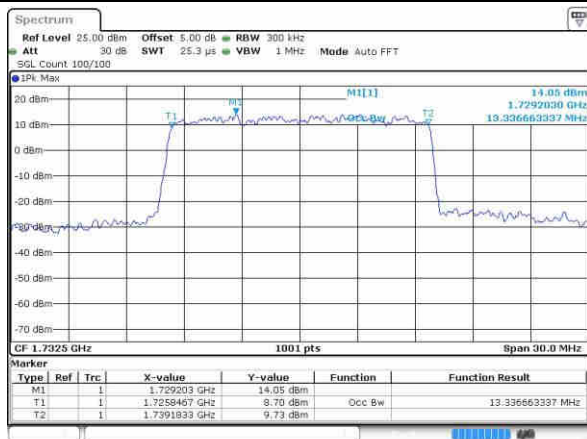
## Lowest Channel / 15MHz / QPSK



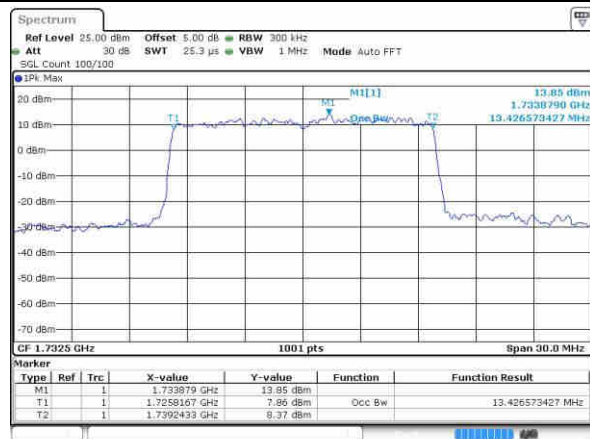
## Lowest Channel / 15MHz / 16QAM



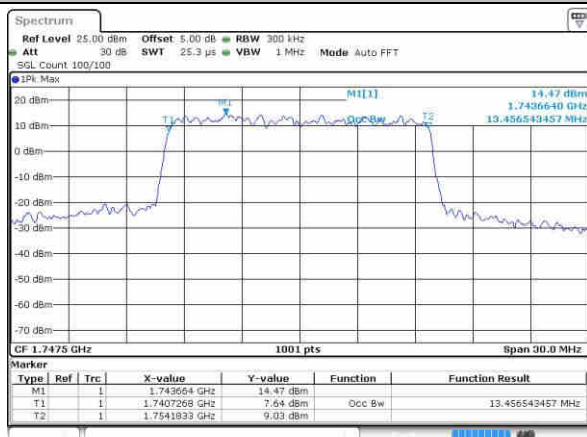
## Middle Channel / 15MHz / QPSK



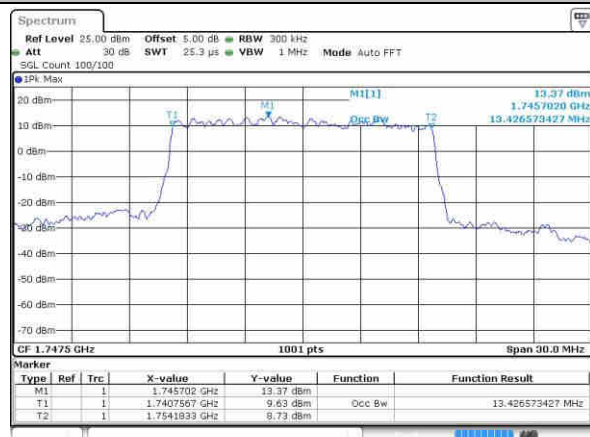
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



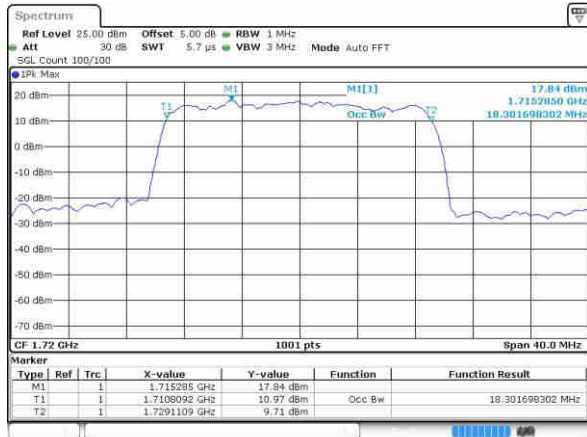
## Highest Channel / 15MHz / 16QAM





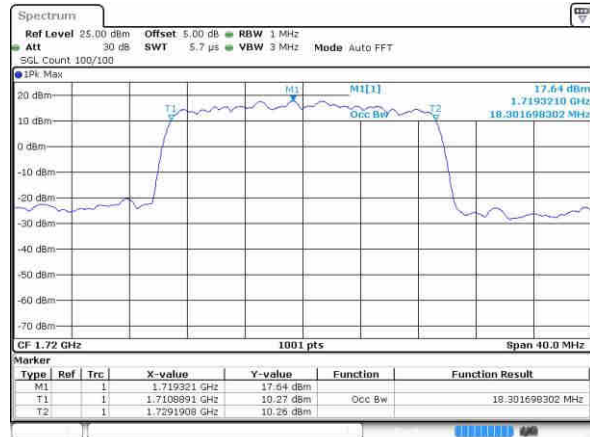
## LTE Band 4

## Lowest Channel / 20MHz / QPSK



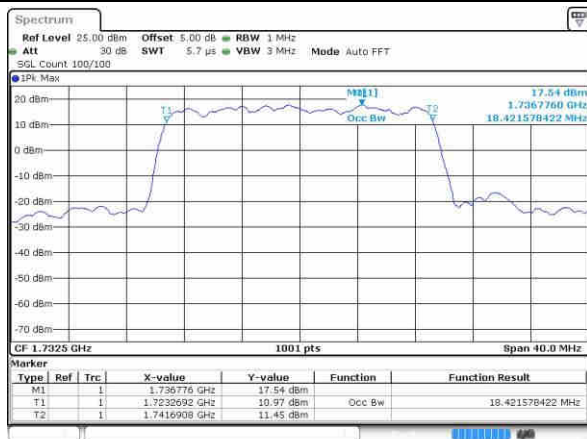
Date: 9.OCT.2016 01:02:19

## Lowest Channel / 20MHz / 16QAM



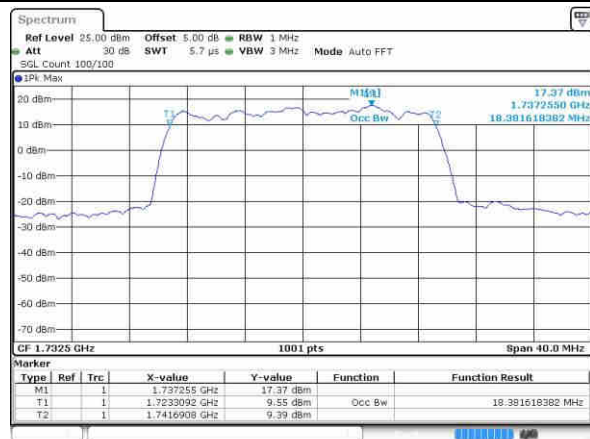
Date: 9.OCT.2016 01:02:34

## Middle Channel / 20MHz / QPSK



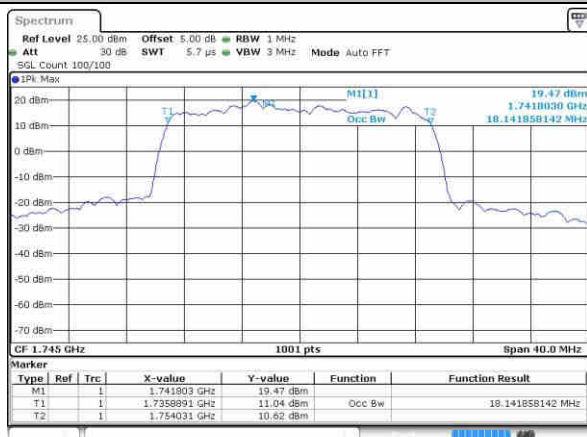
Date: 9.OCT.2016 01:03:04

## Middle Channel / 20MHz / 16QAM



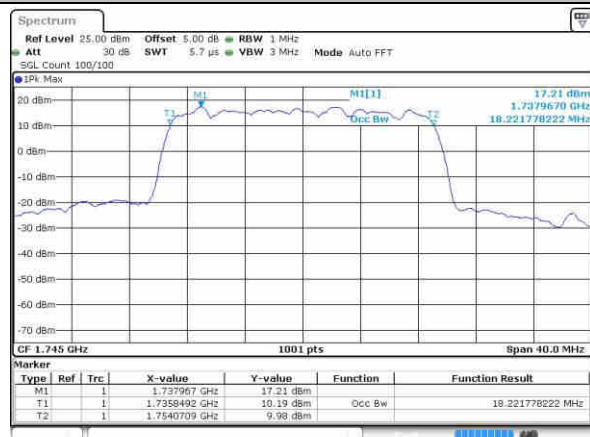
Date: 9.OCT.2016 01:02:51

## Highest Channel / 20MHz / QPSK



Date: 9.OCT.2016 01:03:16

## Highest Channel / 20MHz / 16QAM



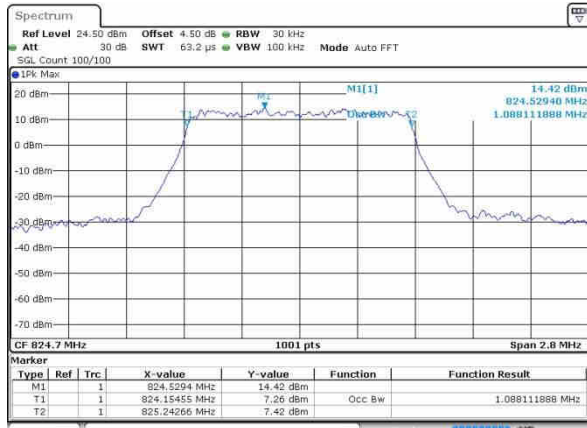
Date: 9.OCT.2016 01:03:31





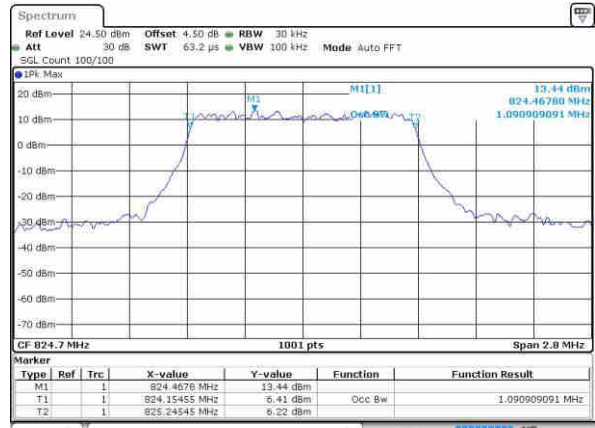
## LTE Band 5

## Lowest Channel / 1.4MHz / QPSK



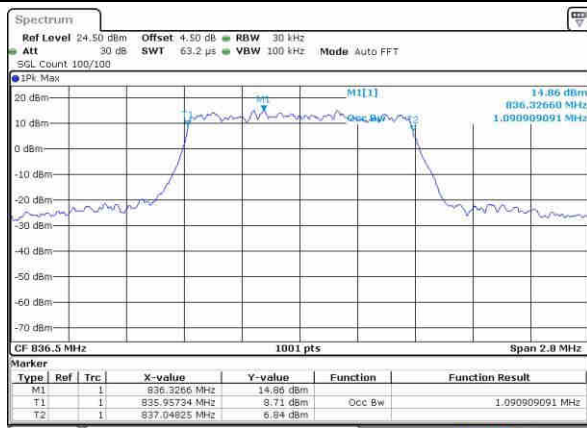
Date: 9 OCT 2016 01:42:33

## Lowest Channel / 1.4MHz / 16QAM



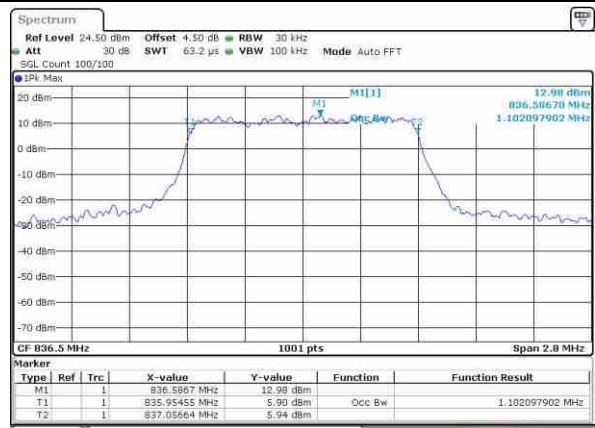
Date: 9 OCT 2016 01:42:44

## Middle Channel / 1.4MHz / QPSK



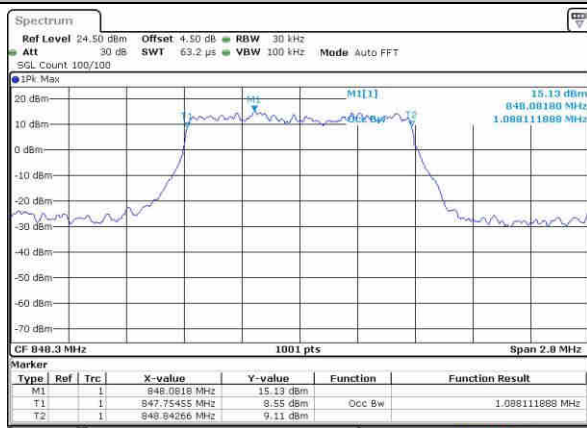
Date: 9 OCT 2016 01:51:39

## Middle Channel / 1.4MHz / 16QAM



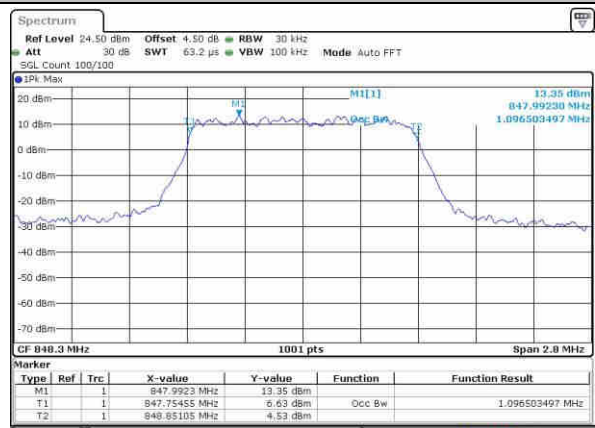
Date: 9 OCT 2016 01:51:50

## Highest Channel / 1.4MHz / QPSK



Date: 9 OCT 2016 01:54:12

## Highest Channel / 1.4MHz / 16QAM



Date: 9 OCT 2016 01:54:22