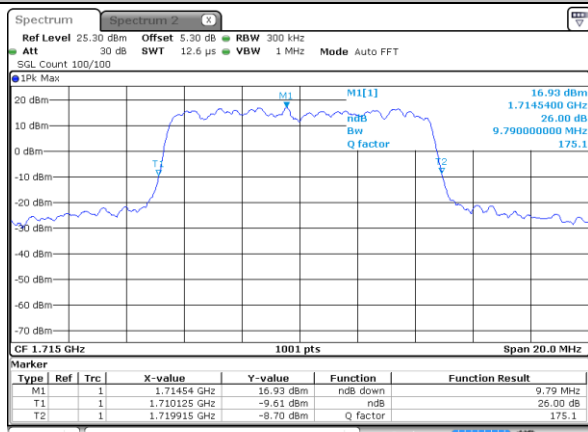




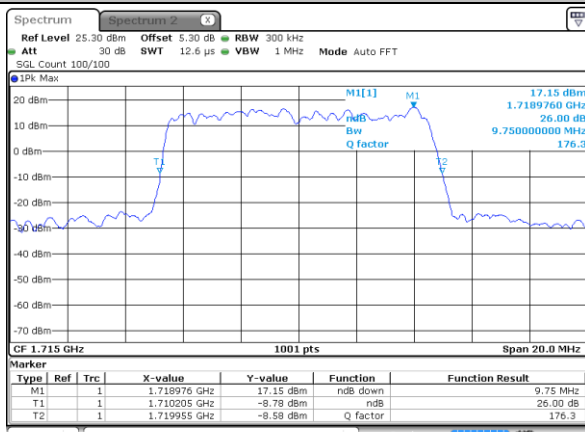
## LTE Band 4

## Lowest Channel / 10MHz / QPSK



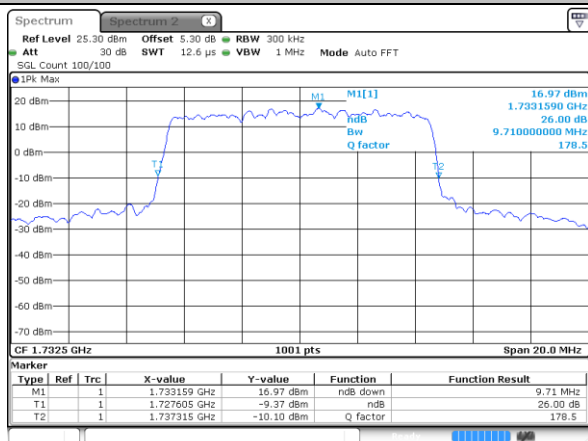
Date: 30.OCT.2018 11:51:34

## Lowest Channel / 10MHz / 16QAM



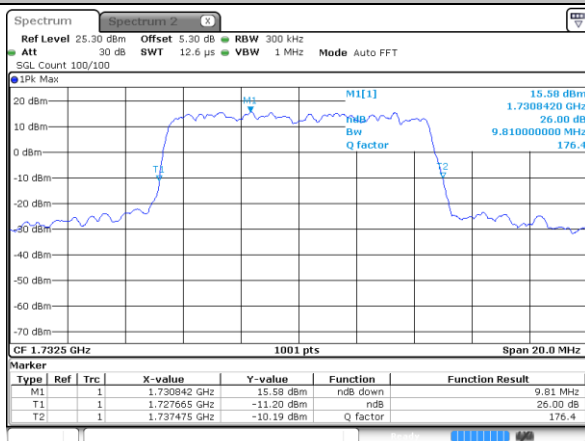
Date: 30.OCT.2018 11:51:44

## Middle Channel / 10MHz / QPSK



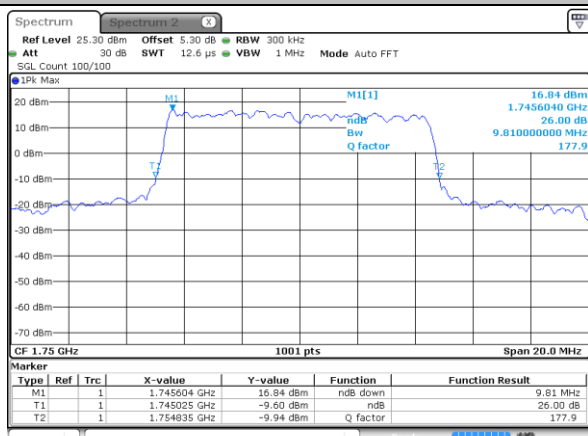
Date: 30.OCT.2018 11:58:34

## Middle Channel / 10MHz / 16QAM



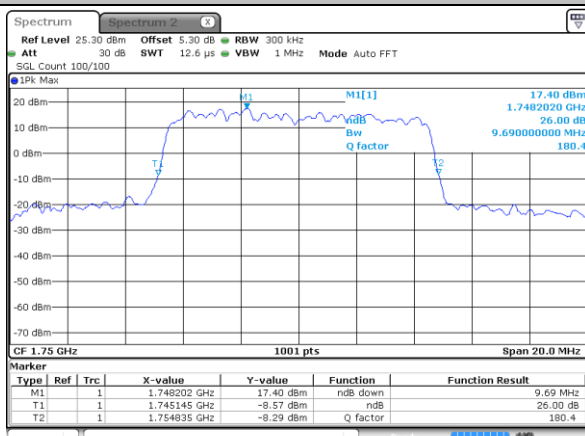
Date: 30.OCT.2018 11:58:44

## Highest Channel / 10MHz / QPSK



Date: 30.OCT.2018 12:01:04

## Highest Channel / 10MHz / 16QAM

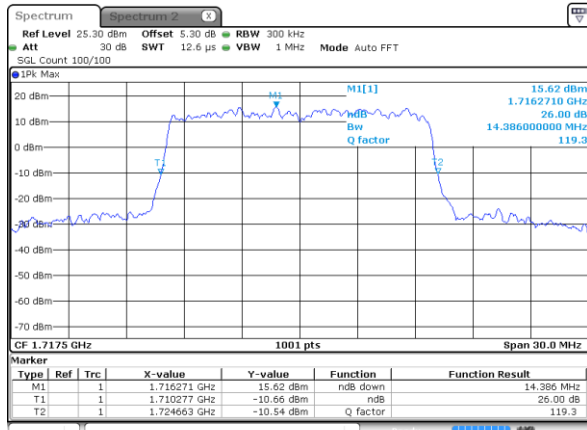


Date: 30.OCT.2018 12:01:14

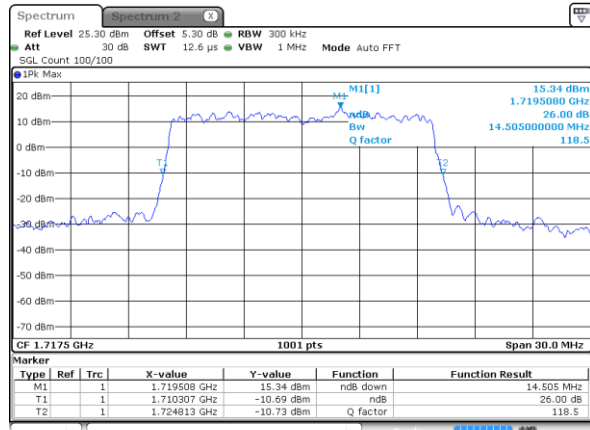


## LTE Band 4

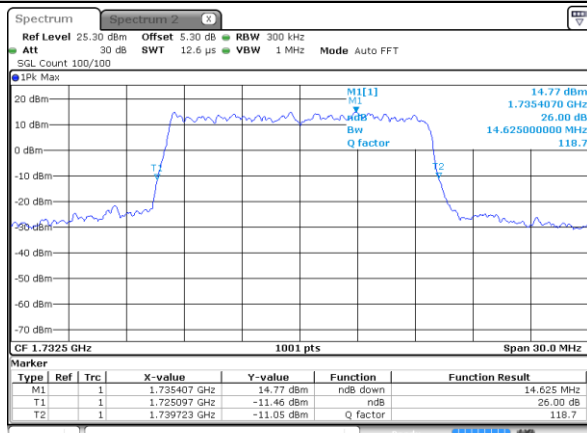
## Lowest Channel / 15MHz / QPSK



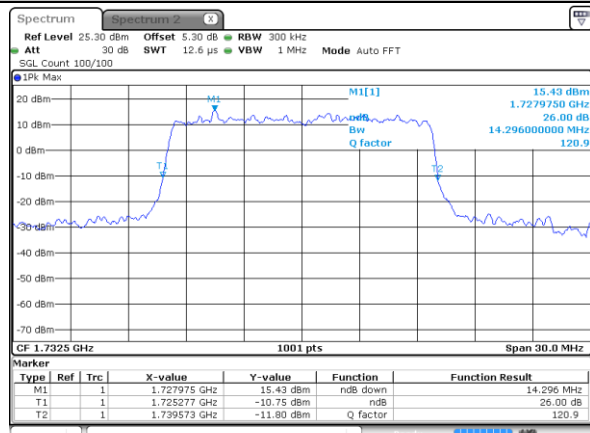
## Lowest Channel / 15MHz / 16QAM



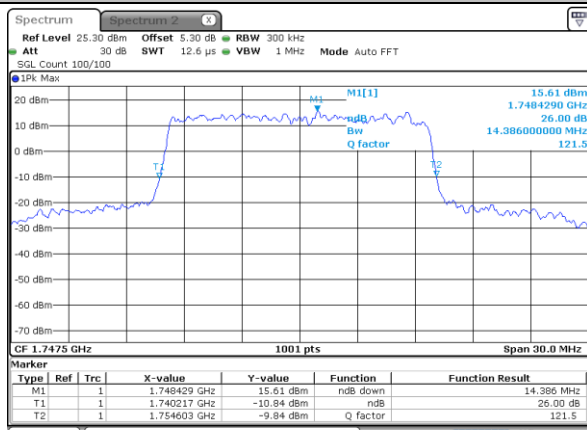
## Middle Channel / 15MHz / QPSK



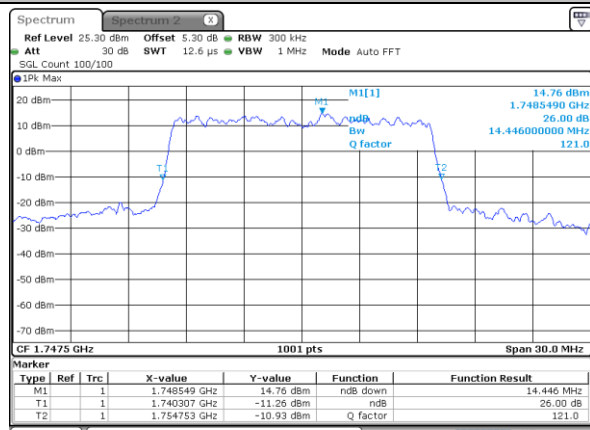
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



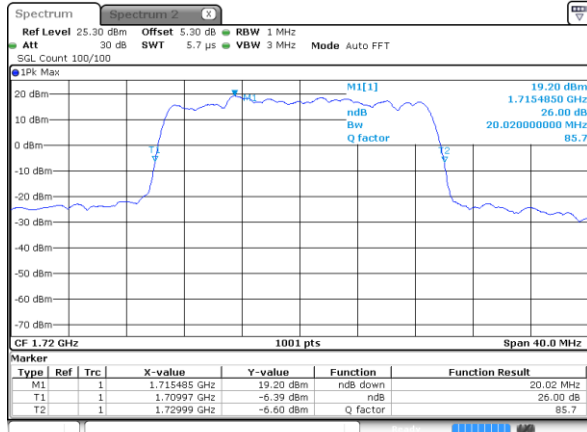
## Highest Channel / 15MHz / 16QAM





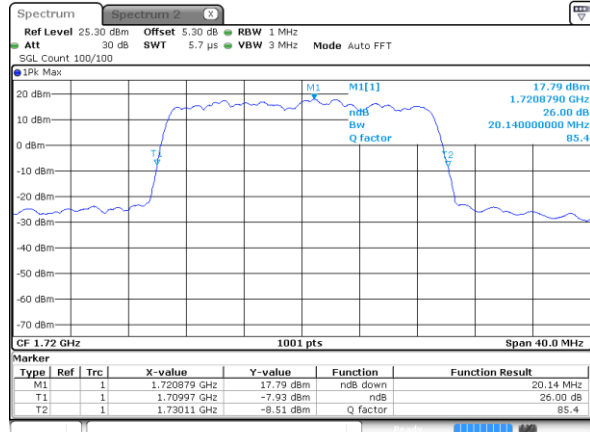
## LTE Band 4

## Lowest Channel / 20MHz / QPSK



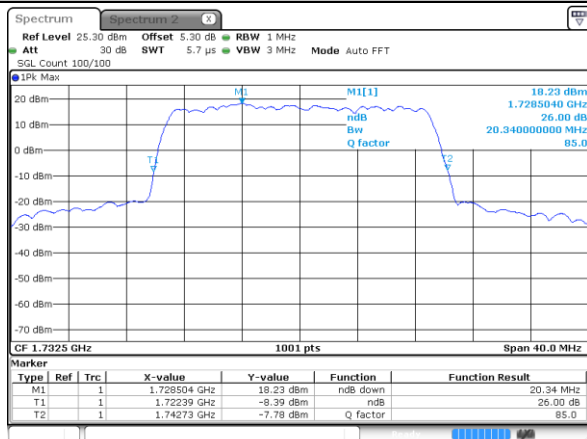
Date: 30.OCT.2018 12:24:34

## Lowest Channel / 20MHz / 16QAM



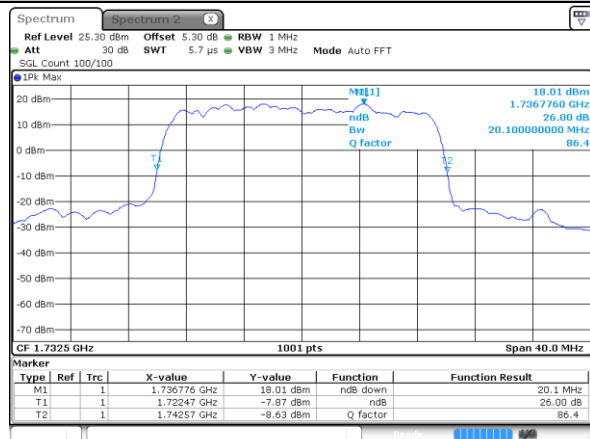
Date: 30.OCT.2018 12:24:44

## Middle Channel / 20MHz / QPSK



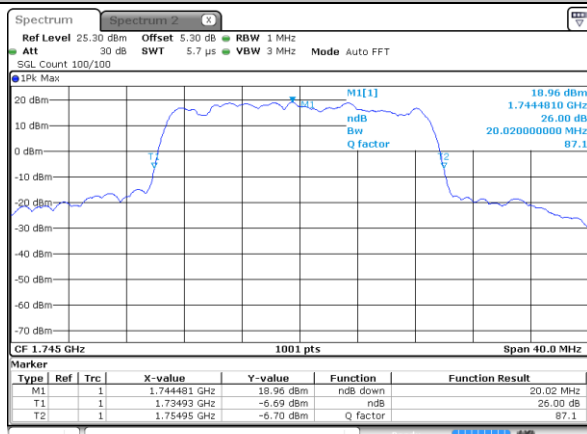
Date: 30.OCT.2018 12:31:35

## Middle Channel / 20MHz / 16QAM



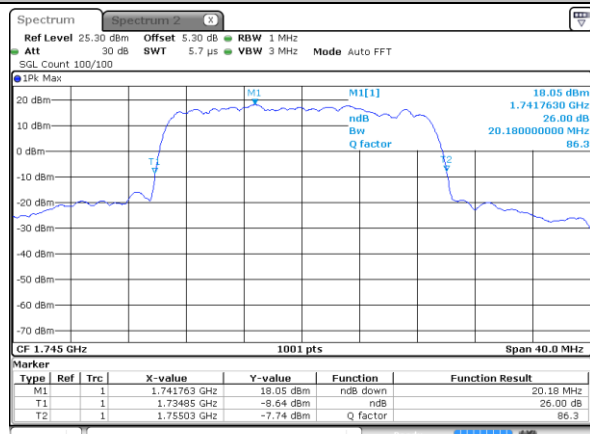
Date: 30.OCT.2018 12:31:45

## Highest Channel / 20MHz / QPSK



Date: 30.OCT.2018 13:06:24

## Highest Channel / 20MHz / 16QAM

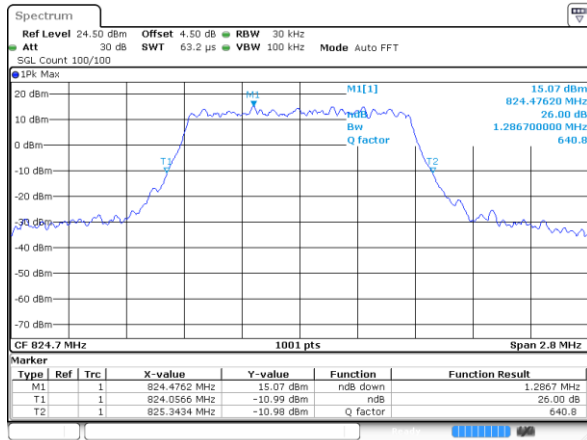


Date: 30.OCT.2018 13:06:34



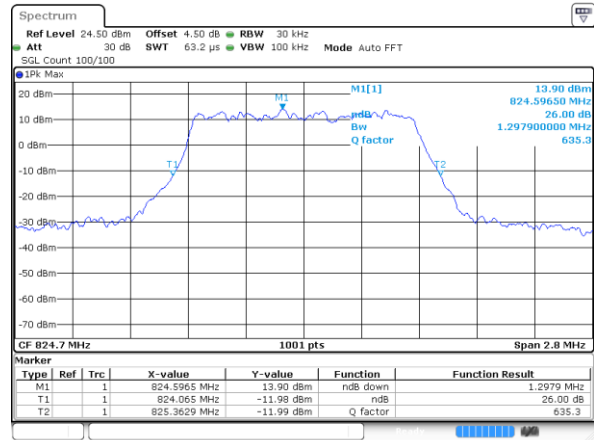
## LTE Band 5

## Lowest Channel / 1.4MHz / QPSK



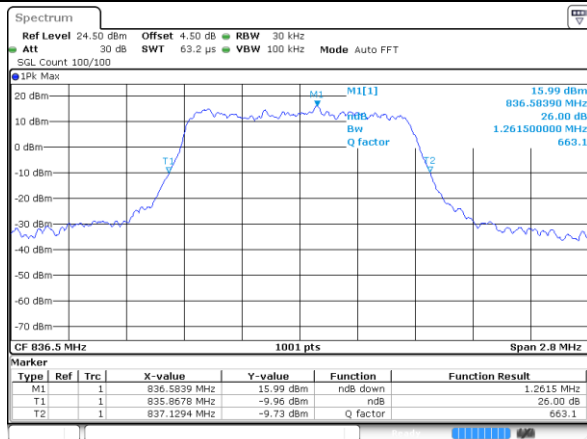
Date: 29 OCT 2018 20:25:00

## Lowest Channel / 1.4MHz / 16QAM



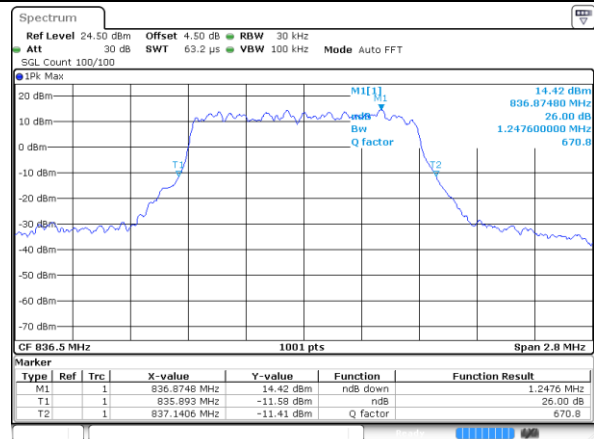
Date: 29 OCT 2018 20:24:50

## Middle Channel / 1.4MHz / QPSK



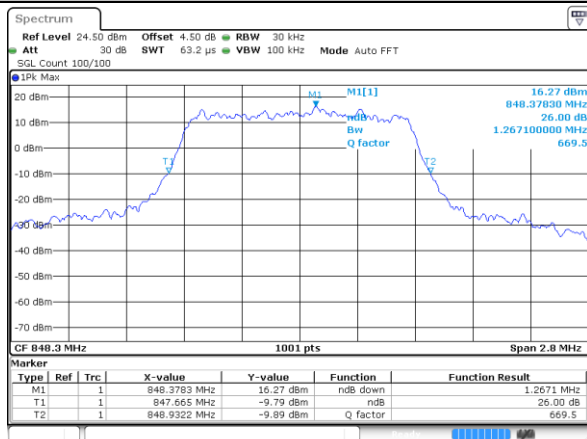
Date: 29 OCT 2018 20:27:19

## Middle Channel / 1.4MHz / 16QAM



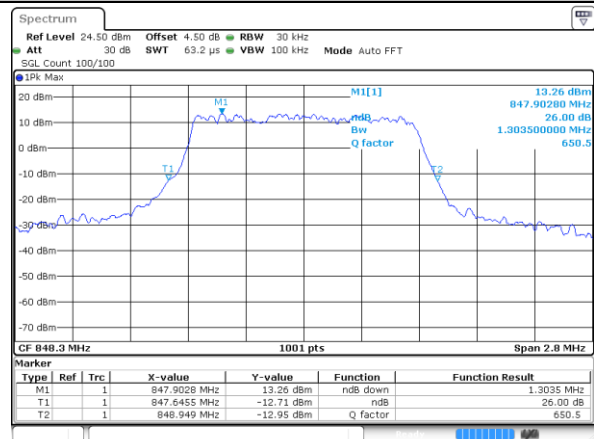
Date: 29 OCT 2018 20:27:29

## Highest Channel / 1.4MHz / QPSK



Date: 29 OCT 2018 20:29:48

## Highest Channel / 1.4MHz / 16QAM

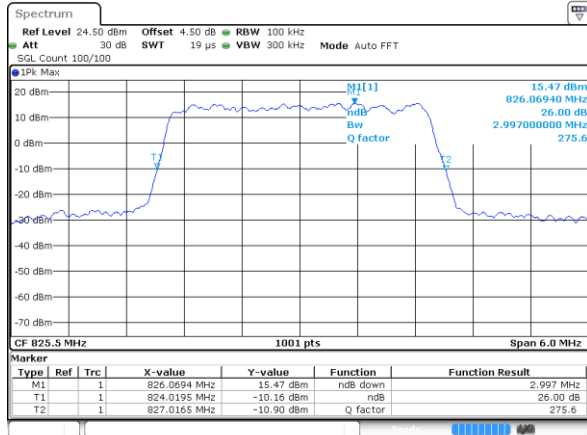


Date: 29 OCT 2018 20:29:58



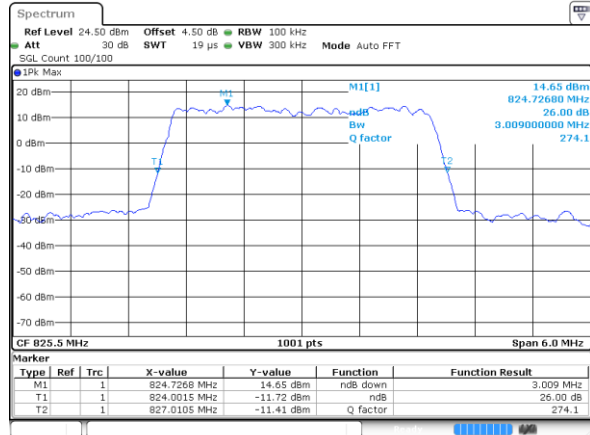
## LTE Band 5

## Lowest Channel / 3MHz / QPSK



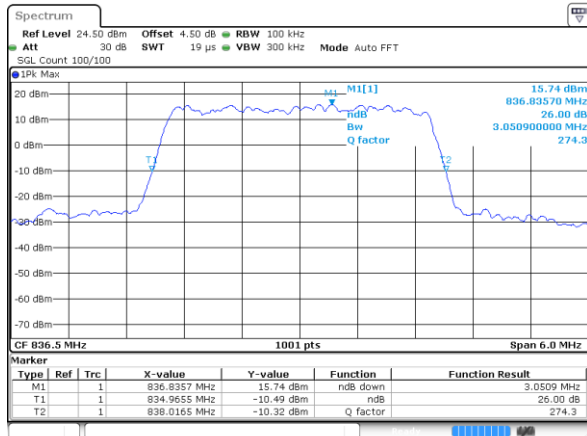
Date: 29 OCT 2018 20:32:17

## Lowest Channel / 3MHz / 16QAM



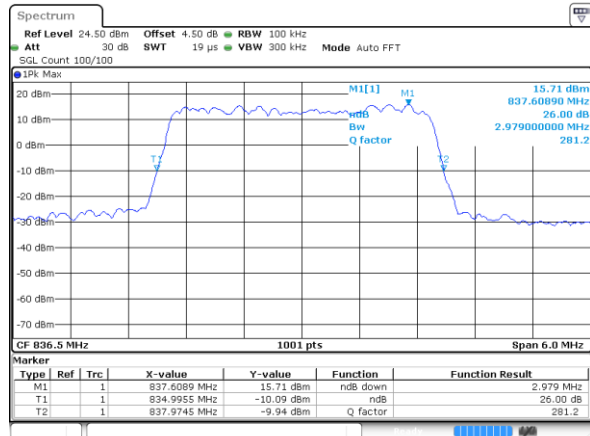
Date: 29 OCT 2018 20:32:27

## Middle Channel / 3MHz / QPSK



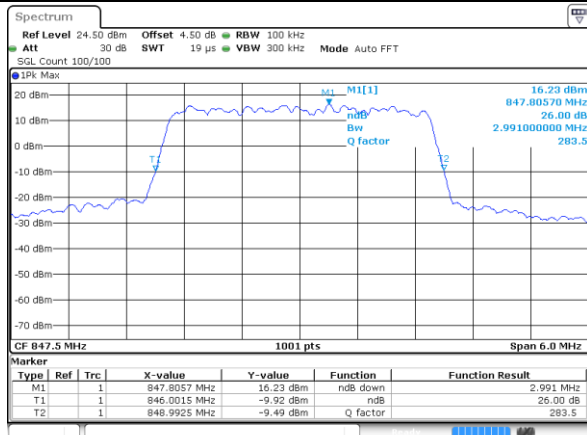
Date: 29 OCT 2018 20:34:46

## Middle Channel / 3MHz / 16QAM



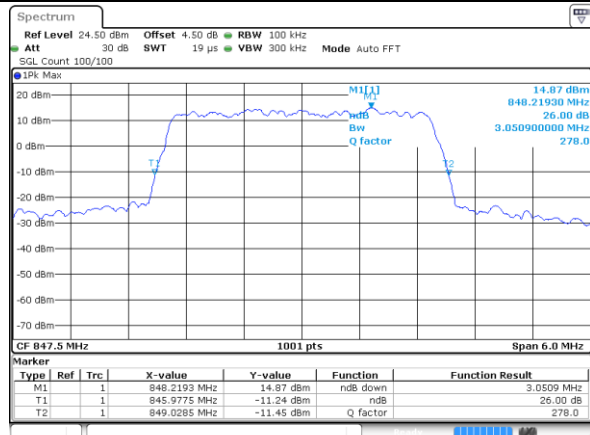
Date: 29 OCT 2018 20:34:56

## Highest Channel / 3MHz / QPSK



Date: 29 OCT 2018 20:37:15

## Highest Channel / 3MHz / 16QAM

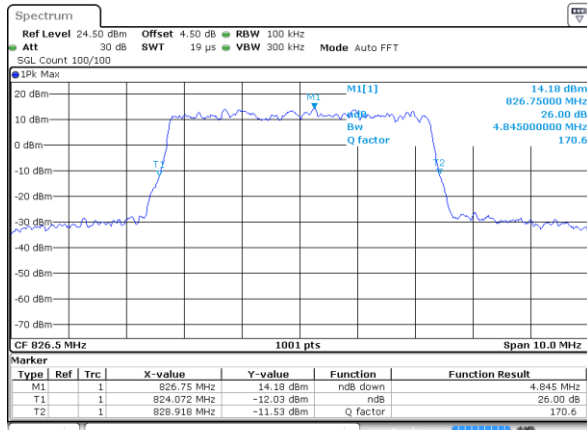


Date: 29 OCT 2018 20:37:25



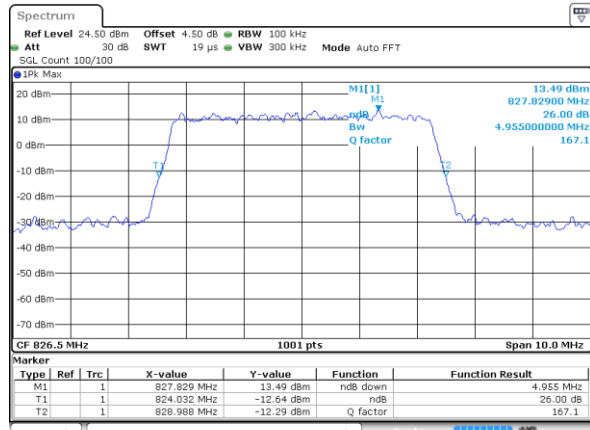
## LTE Band 5

## Lowest Channel / 5MHz / QPSK



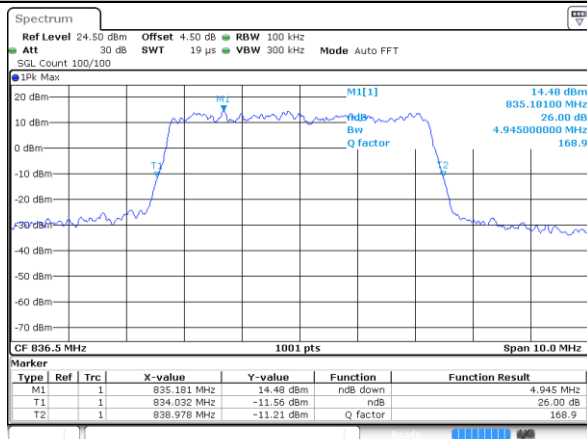
Date: 29 OCT 2018 20:39:44

## Lowest Channel / 5MHz / 16QAM



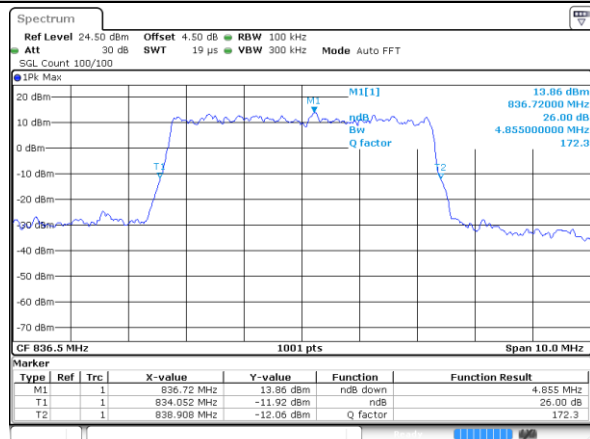
Date: 29 OCT 2018 20:39:54

## Middle Channel / 5MHz / QPSK



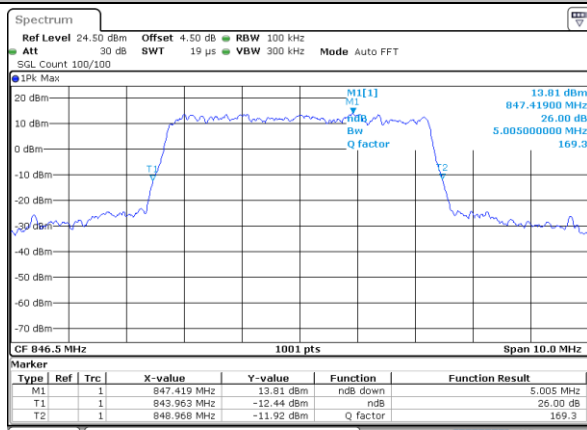
Date: 29 OCT 2018 20:42:13

## Middle Channel / 5MHz / 16QAM



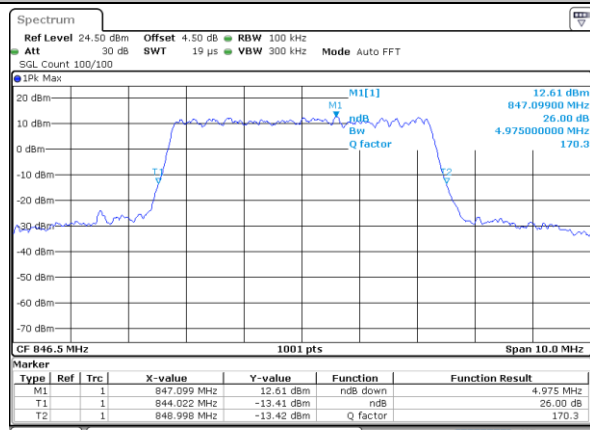
Date: 29 OCT 2018 20:42:23

## Highest Channel / 5MHz / QPSK



Date: 29 OCT 2018 20:48:48

## Highest Channel / 5MHz / 16QAM

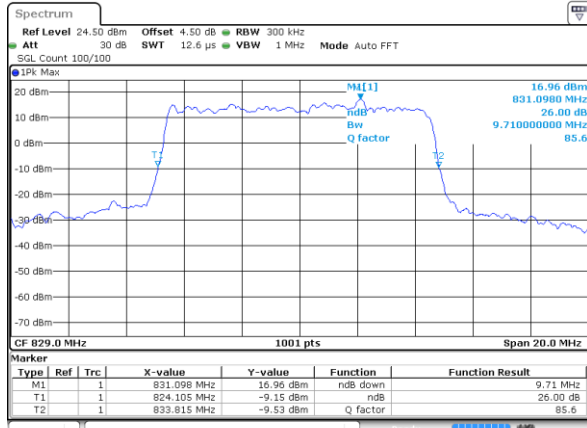


Date: 29 OCT 2018 20:48:57



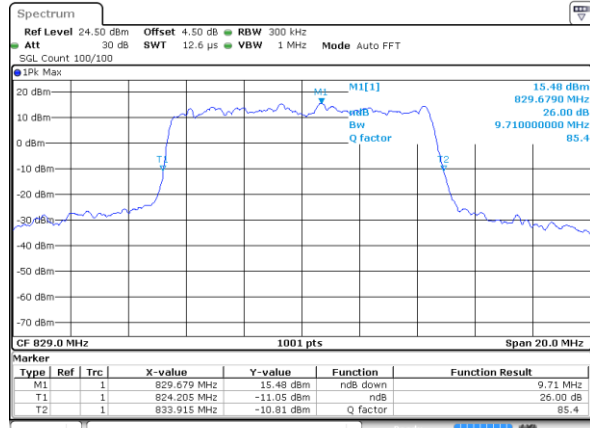
## LTE Band 5

## Lowest Channel / 10MHz / QPSK



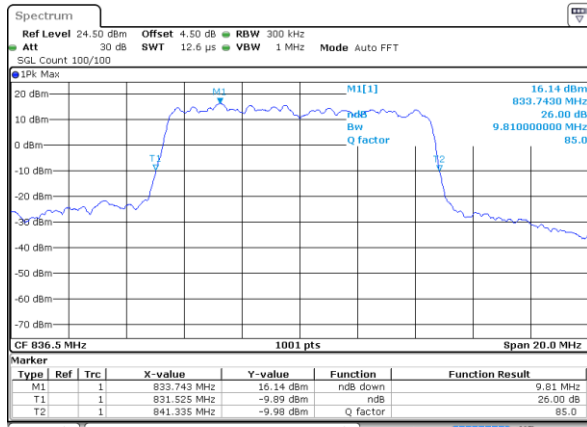
Date: 29 OCT 2018 20:51:17

## Lowest Channel / 10MHz / 16QAM



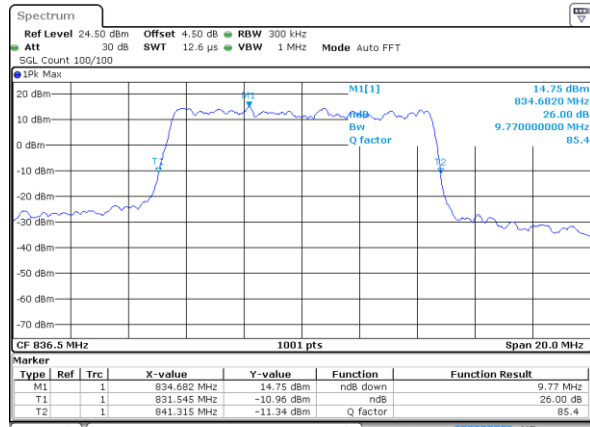
Date: 29 OCT 2018 20:51:27

## Middle Channel / 10MHz / QPSK



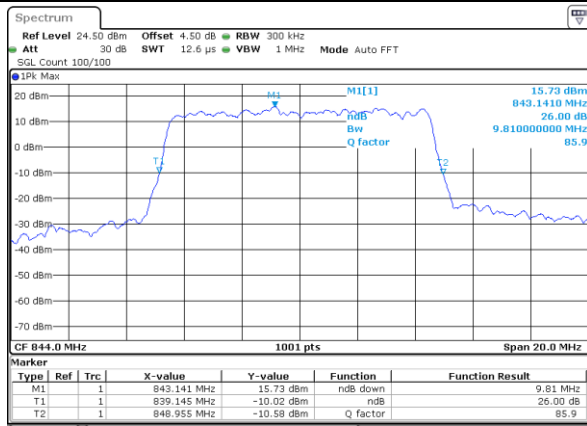
Date: 29 OCT 2018 20:53:46

## Middle Channel / 10MHz / 16QAM



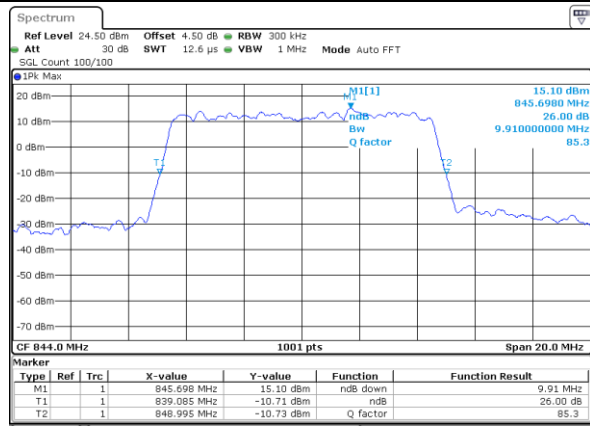
Date: 29 OCT 2018 20:53:56

## Highest Channel / 10MHz / QPSK



Date: 29 OCT 2018 20:56:15

## Highest Channel / 10MHz / 16QAM

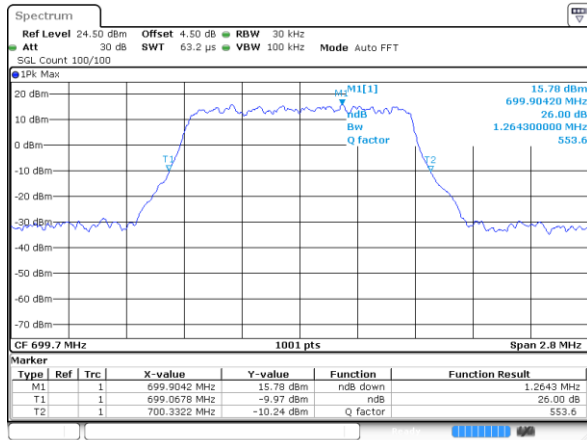


Date: 29 OCT 2018 20:56:25

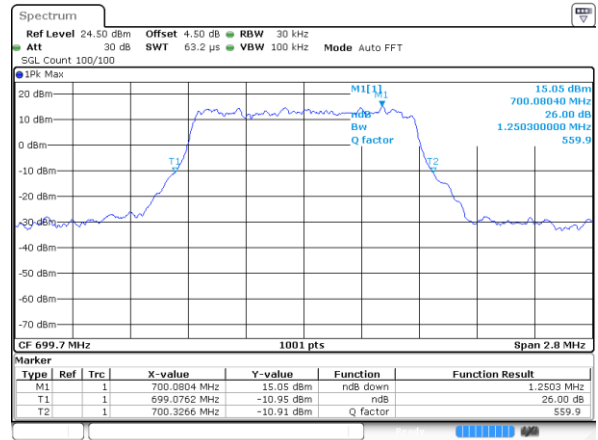


## LTE Band 12

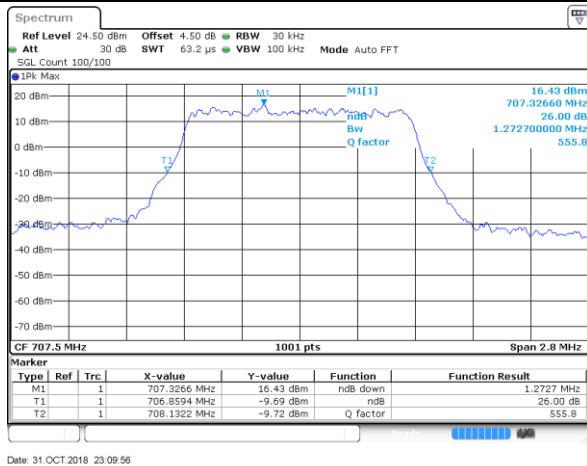
## Lowest Channel / 1.4MHz / QPSK



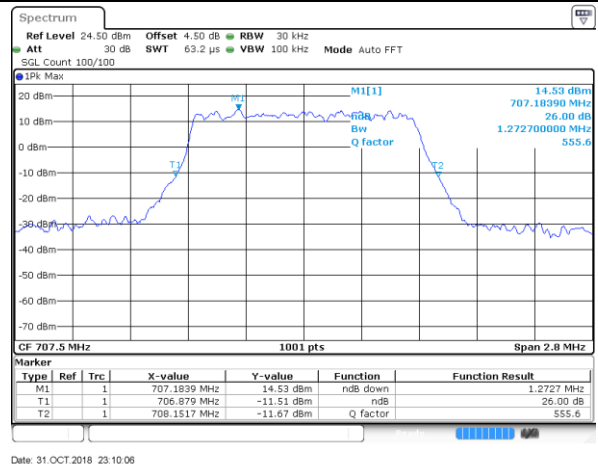
## Lowest Channel / 1.4MHz / 16QAM



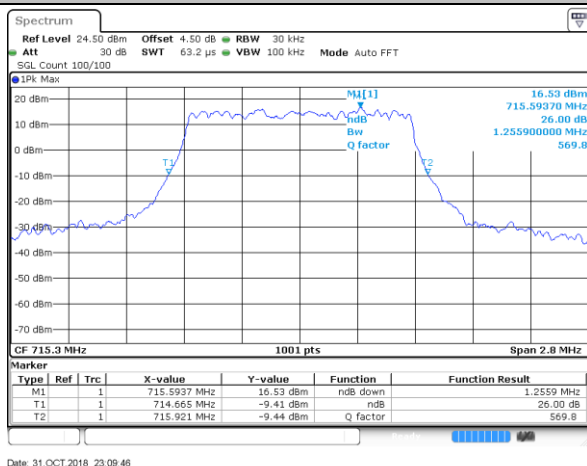
## Middle Channel / 1.4MHz / QPSK



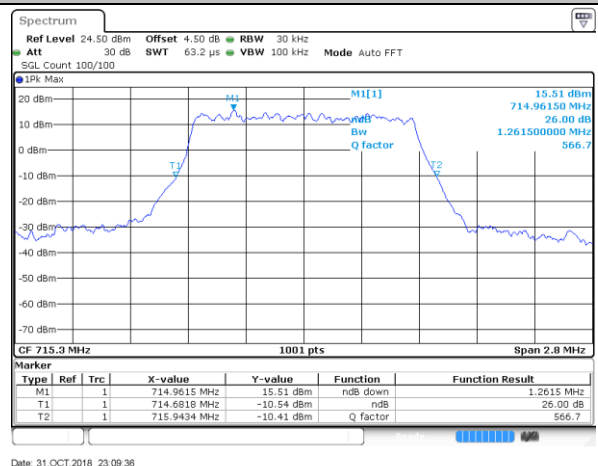
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



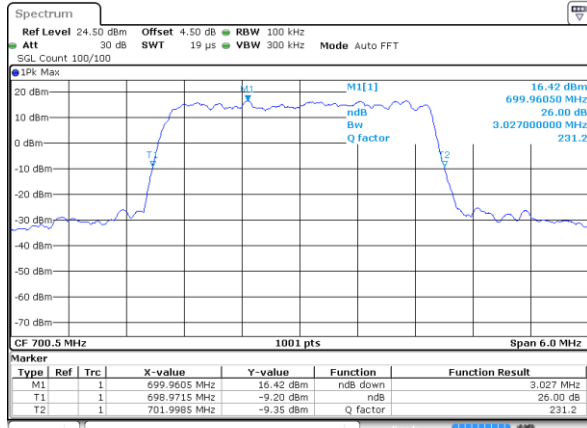
## Highest Channel / 1.4MHz / 16QAM



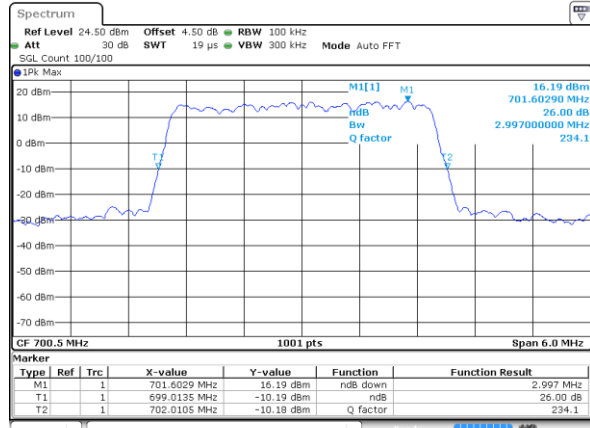


## LTE Band 12

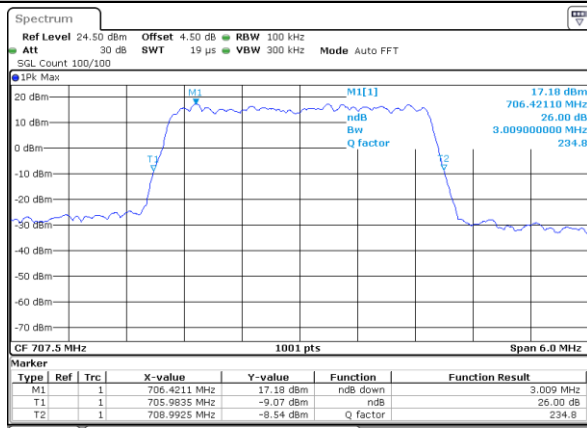
## Lowest Channel / 3MHz / QPSK



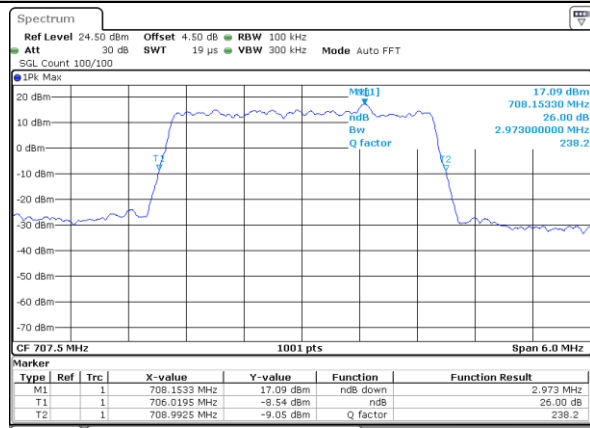
## Lowest Channel / 3MHz / 16QAM



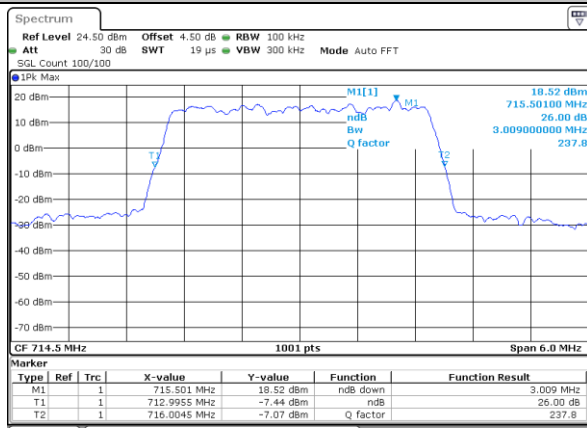
## Middle Channel / 3MHz / QPSK



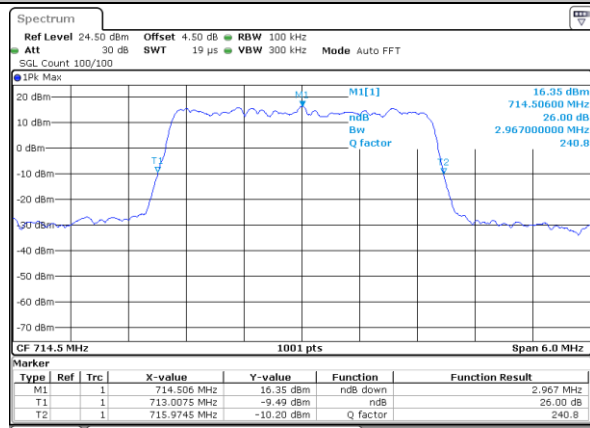
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



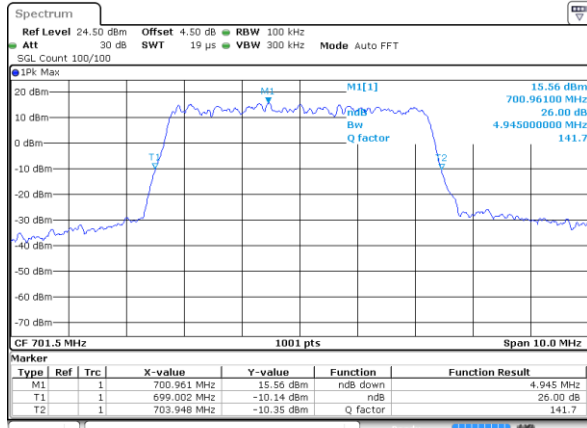
## Highest Channel / 3MHz / 16QAM





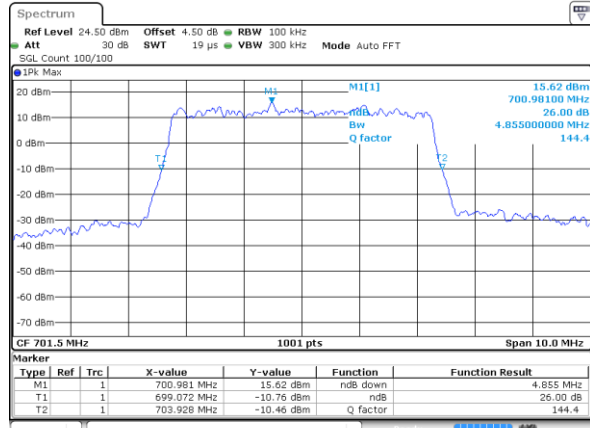
## LTE Band 12

## Lowest Channel / 5MHz / QPSK



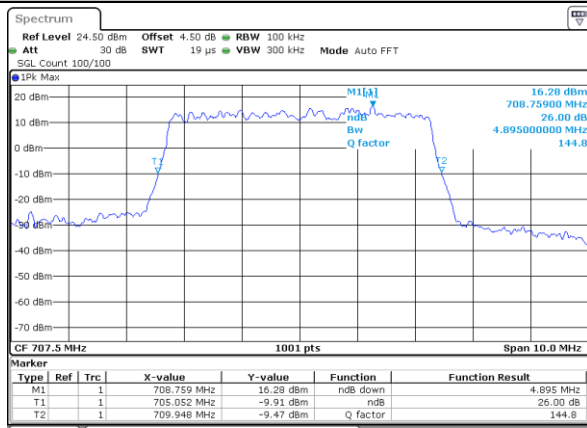
Date: 31.OCT.2018 23:43:20

## Lowest Channel / 5MHz / 16QAM



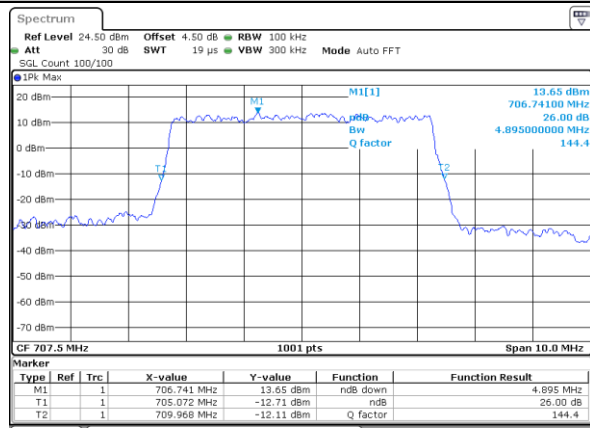
Date: 31.OCT.2018 23:43:10

## Middle Channel / 5MHz / QPSK



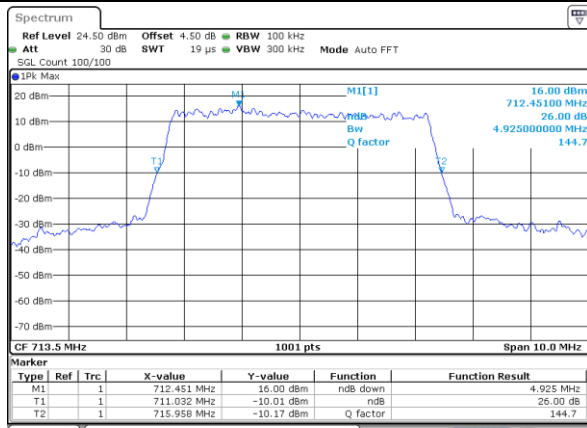
Date: 31.OCT.2018 23:42:50

## Middle Channel / 5MHz / 16QAM



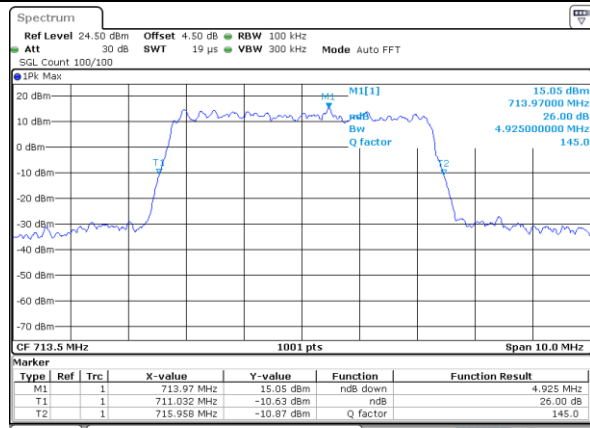
Date: 31.OCT.2018 23:43:00

## Highest Channel / 5MHz / QPSK



Date: 31.OCT.2018 23:42:40

## Highest Channel / 5MHz / 16QAM

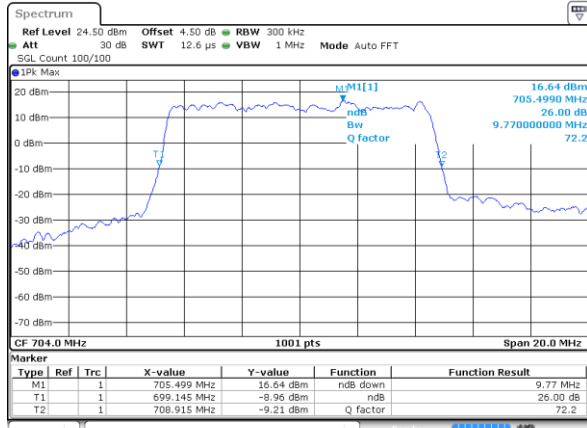


Date: 31.OCT.2018 23:42:30



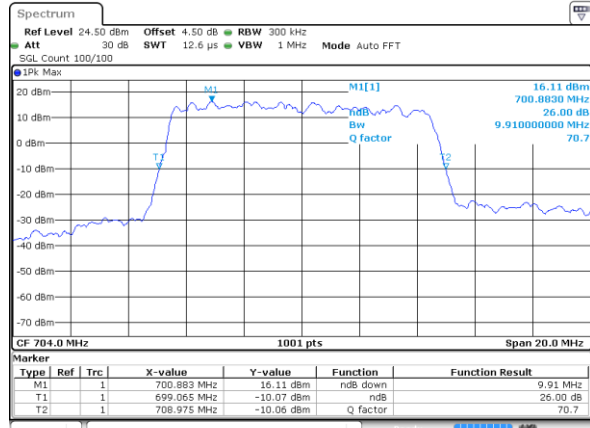
## LTE Band 12

## Lowest Channel / 10MHz / QPSK



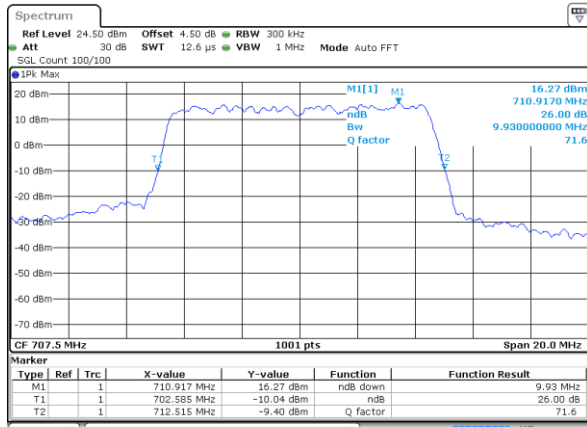
Date: 31.OCT.2018 23:59:47

## Lowest Channel / 10MHz / 16QAM



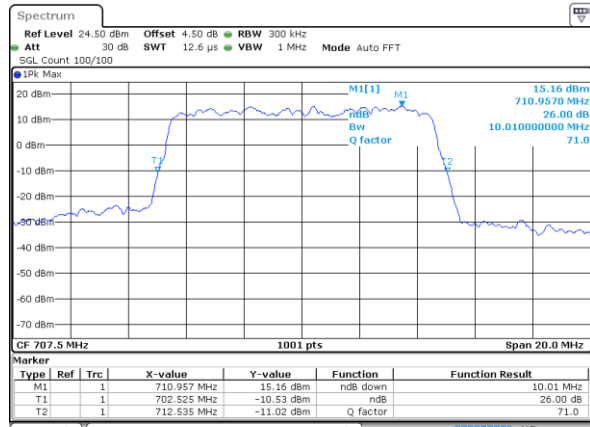
Date: 31.OCT.2018 23:59:37

## Middle Channel / 10MHz / QPSK



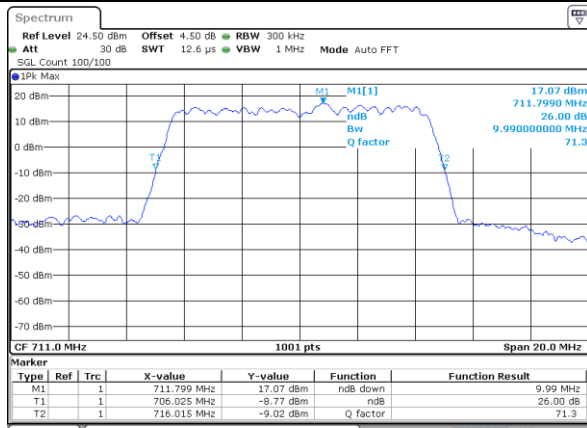
Date: 31.OCT.2018 23:59:17

## Middle Channel / 10MHz / 16QAM



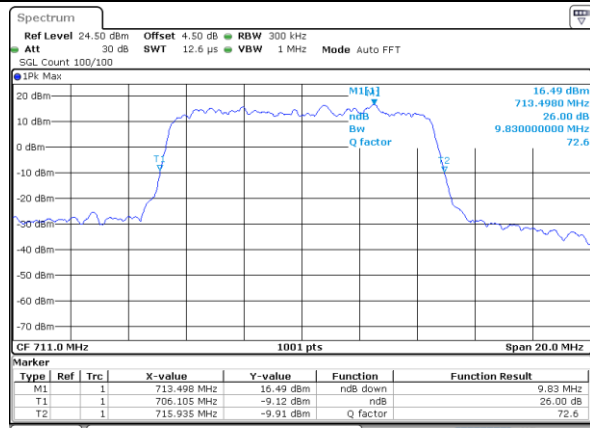
Date: 31.OCT.2018 23:59:27

## Highest Channel / 10MHz / QPSK



Date: 31.OCT.2018 23:59:07

## Highest Channel / 10MHz / 16QAM

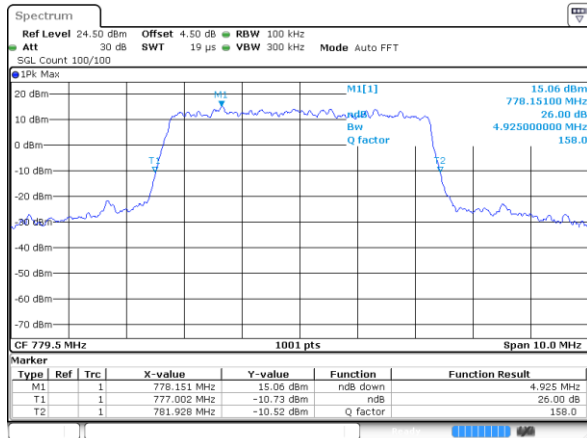


Date: 31.OCT.2018 23:58:57



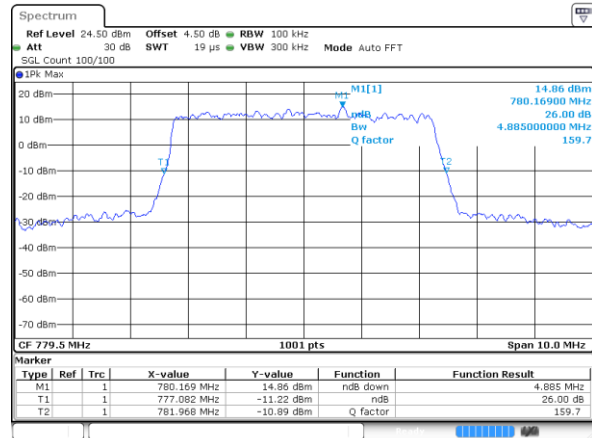
## LTE Band 13

## Lowest Channel / 5MHz / QPSK



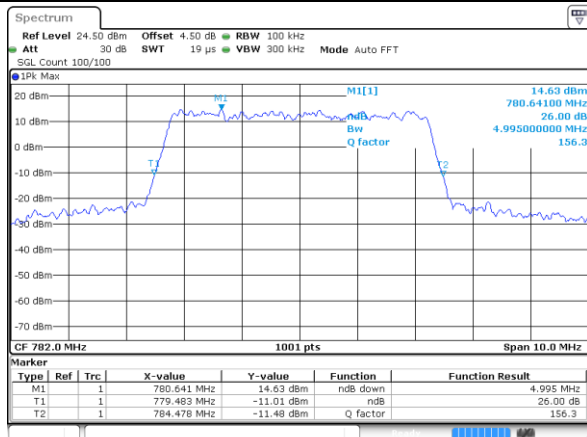
Date: 31.OCT.2018 21:57:29

## Lowest Channel / 5MHz / 16QAM



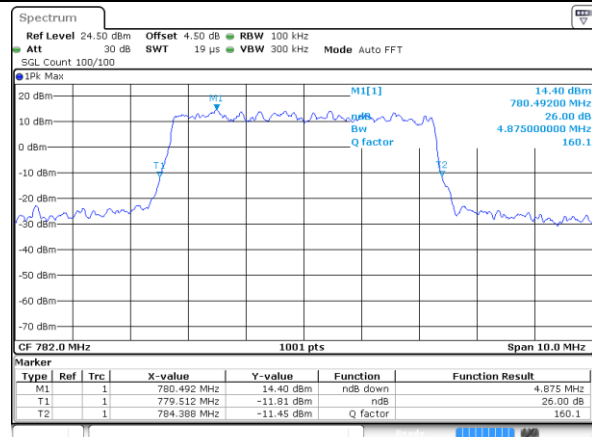
Date: 31.OCT.2018 21:57:39

## Middle Channel / 5MHz / QPSK



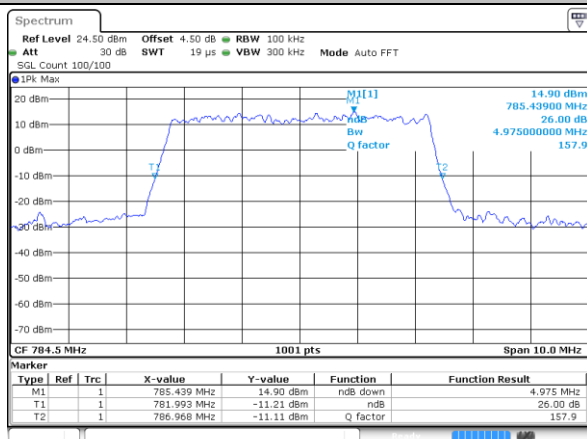
Date: 31.OCT.2018 22:06:28

## Middle Channel / 5MHz / 16QAM



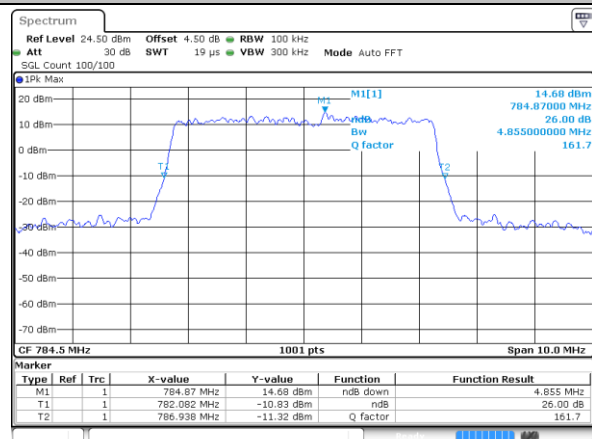
Date: 31.OCT.2018 22:06:38

## Highest Channel / 5MHz / QPSK



Date: 31.OCT.2018 22:09:07

## Highest Channel / 5MHz / 16QAM

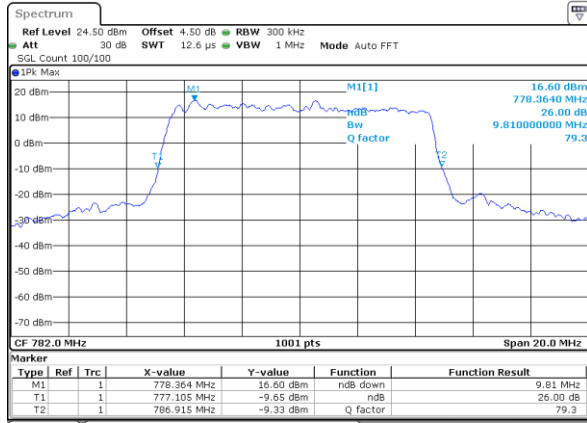


Date: 31.OCT.2018 22:08:57



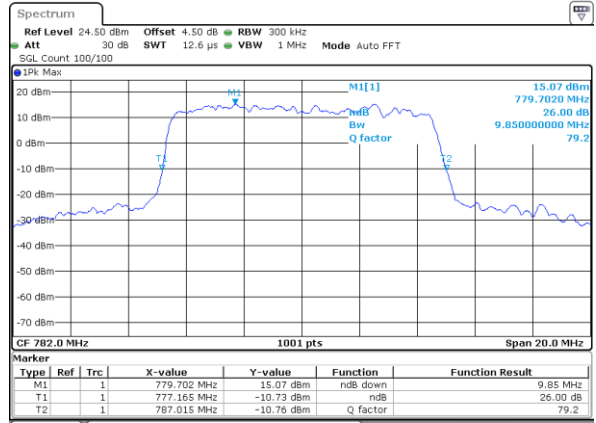
## LTE Band 13

## Middle Channel / 10MHz / QPSK



Date: 31.OCT.2018 22:19:53

## Middle Channel / 10MHz / 16QAM



Date: 31.OCT.2018 22:19:43



## 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  | 1.1                      | 1.1   | 2.7  | 2.72  | 4.5  | 4.48  | 9.03  | 8.95  | 13.4  | 13.43 | 18.3  | 18.14 |
| Middle CH  | 1.1                      | 1.1   | 2.73 | 2.72  | 4.49 | 4.5   | 9.07  | 8.99  | 13.43 | 13.46 | 18.3  | 18.26 |
| Highest CH | 1.09                     | 1.1   | 2.73 | 2.72  | 4.48 | 4.48  | 9.01  | 8.99  | 13.43 | 13.46 | 18.46 | 18.38 |

| 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  | 2.71 | 2.71  | 4.5  | 4.5   | 8.99  | 8.97  | 13.46 | 13.4  | 18.26 | 18.3  |
| Middle CH  | 1.1                      | 1.09  | 2.73 | 2.72  | 4.49 | 4.49  | 9.01  | 9.03  | 13.37 | 13.37 | 18.3  | 18.26 |
| Highest CH | 1.09                     | 1.1   | 2.72 | 2.73  | 4.5  | 4.51  | 9.01  | 8.99  | 13.43 | 13.4  | 18.1  | 18.38 |

| 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  | 2.7  | 2.73  | 4.5  | 4.51  | 8.97  | 8.99  | -     | -     | -     | -     |
| Middle CH  | 1.1                      | 1.09  | 2.7  | 2.72  | 4.5  | 4.5   | 9.07  | 8.99  | -     | -     | -     | -     |
| Highest CH | 1.09                     | 1.09  | 2.7  | 2.71  | 4.5  | 4.5   | 8.99  | 8.99  | -     | -     | -     | -     |

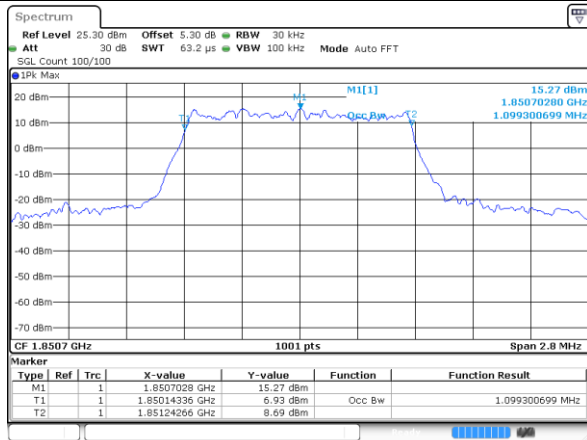
| Mode       | LTE Band 12 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                      | 1.09  | 2.73 | 2.72  | 4.49 | 4.49  | 8.95  | 8.97  | -     | -     | -     | -     |
| Middle CH  | 1.09                      | 1.09  | 2.72 | 2.73  | 4.49 | 4.49  | 9.07  | 9.05  | -     | -     | -     | -     |
| Highest CH | 1.09                      | 1.1   | 2.72 | 2.75  | 4.49 | 4.49  | 9.01  | 8.93  | -     | -     | -     | -     |

| 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  | -                         | -     | -    | -     | 4.46 | 4.48  | -     | -     | -     | -     | -     | -     |
| Middle CH  | -                         | -     | -    | -     | 4.48 | 4.49  | 9.05  | 8.99  | -     | -     | -     | -     |
| Highest CH | -                         | -     | -    | -     | 4.5  | 4.49  | -     | -     | -     | -     | -     | -     |

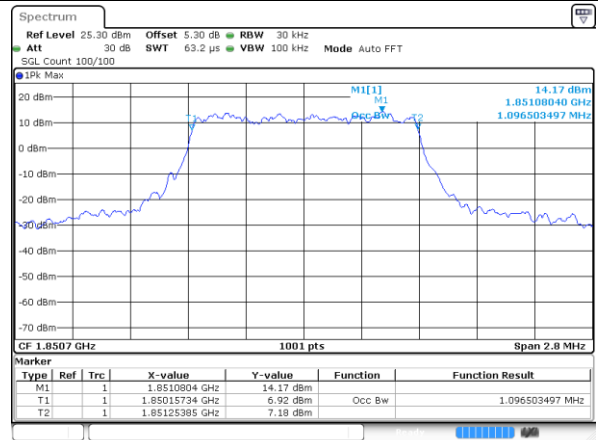


## LTE Band 2

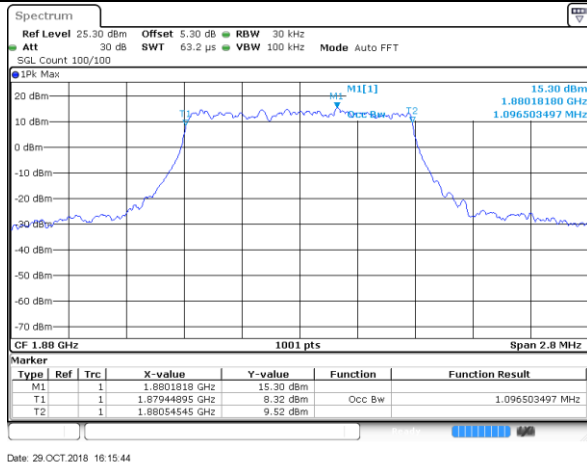
## Lowest Channel / 1.4MHz / QPSK



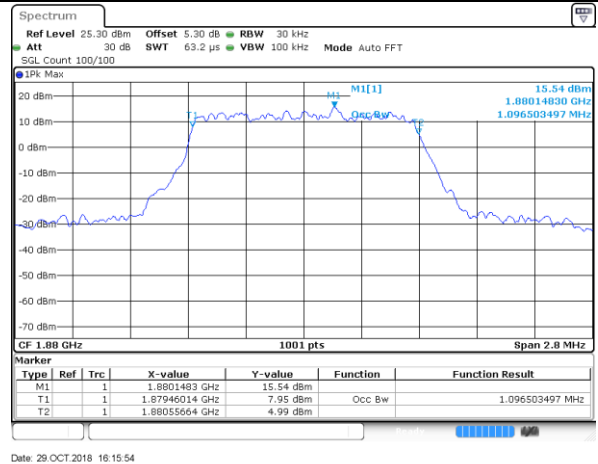
## Lowest Channel / 1.4MHz / 16QAM



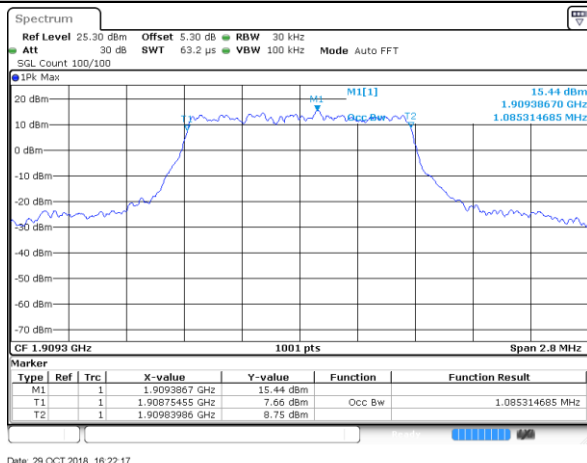
## Middle Channel / 1.4MHz / QPSK



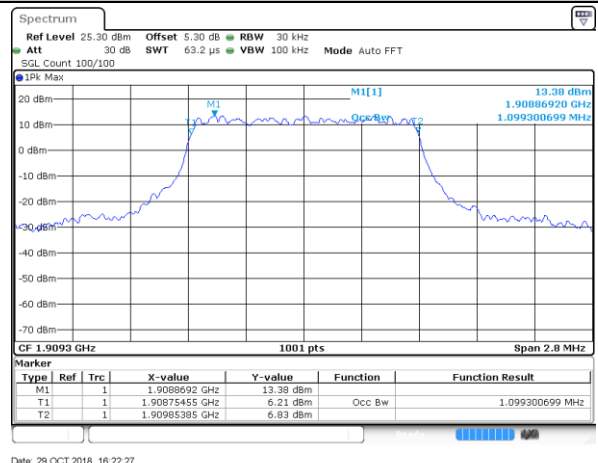
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



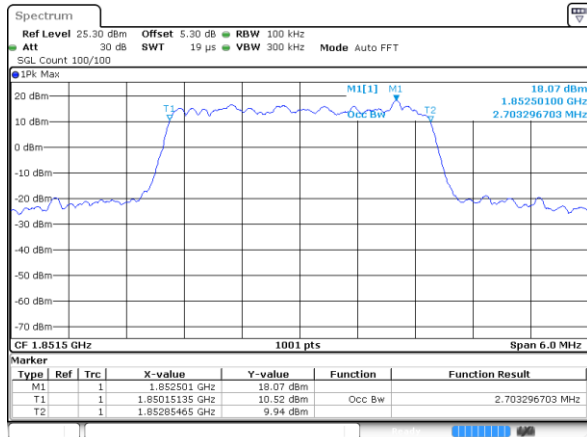
## Highest Channel / 1.4MHz / 16QAM



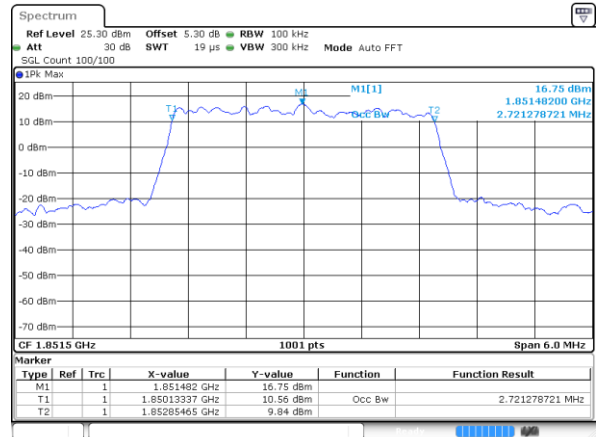


## LTE Band 2

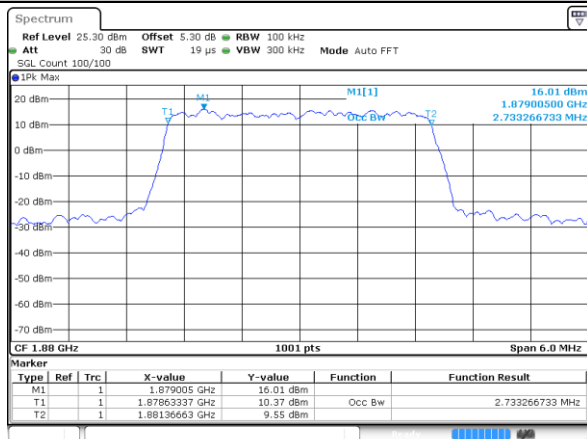
## Lowest Channel / 3MHz / QPSK



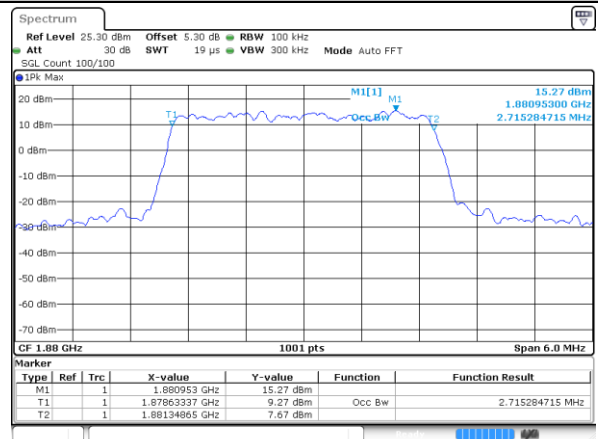
## Lowest Channel / 3MHz / 16QAM



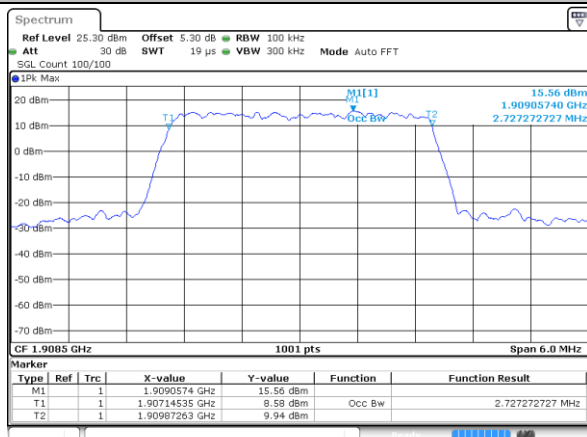
## Middle Channel / 3MHz / QPSK



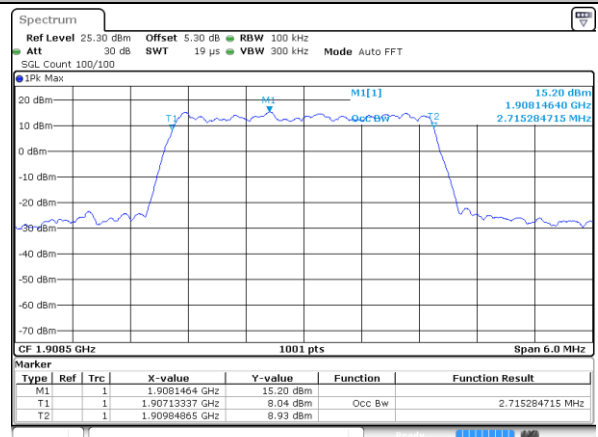
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



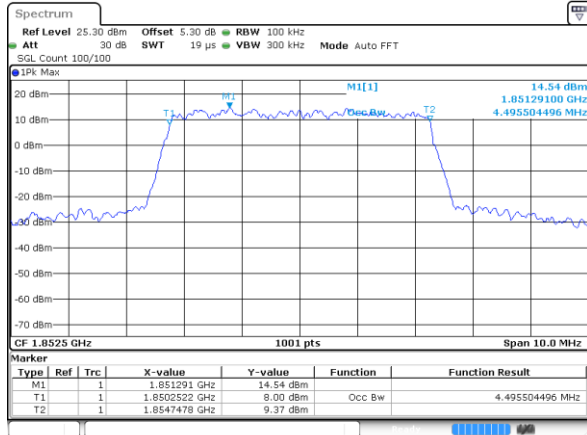
## Highest Channel / 3MHz / 16QAM





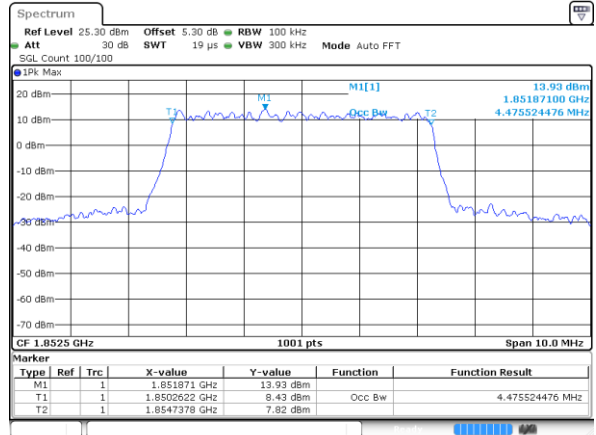
## LTE Band 2

## Lowest Channel / 5MHz / QPSK



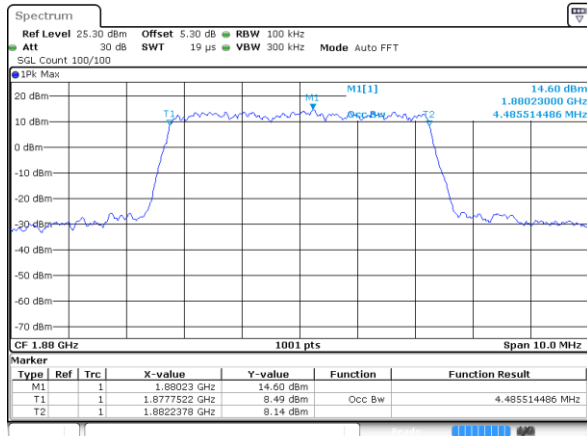
Date: 29 OCT 2018 16:54:05

## Lowest Channel / 5MHz / 16QAM



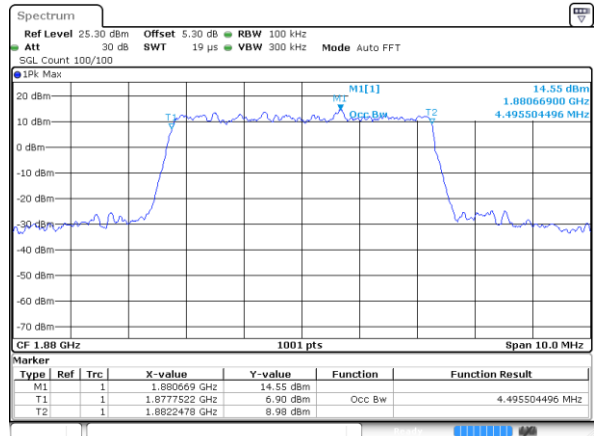
Date: 29 OCT 2018 16:54:15

## Middle Channel / 5MHz / QPSK



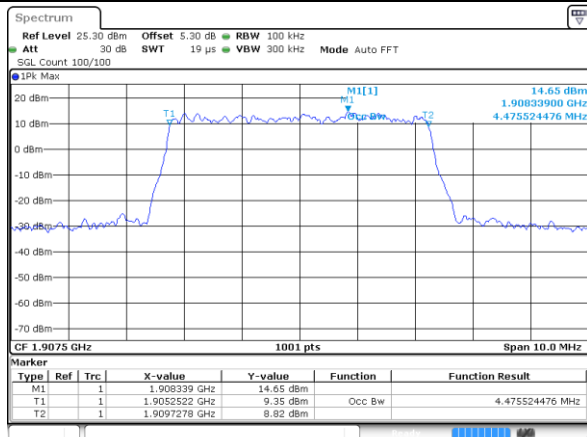
Date: 29 OCT 2018 17:01:04

## Middle Channel / 5MHz / 16QAM



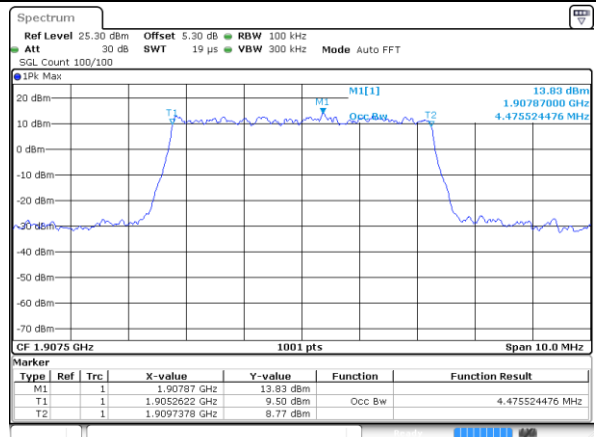
Date: 29 OCT 2018 17:01:14

## Highest Channel / 5MHz / QPSK



Date: 29 OCT 2018 17:03:33

## Highest Channel / 5MHz / 16QAM

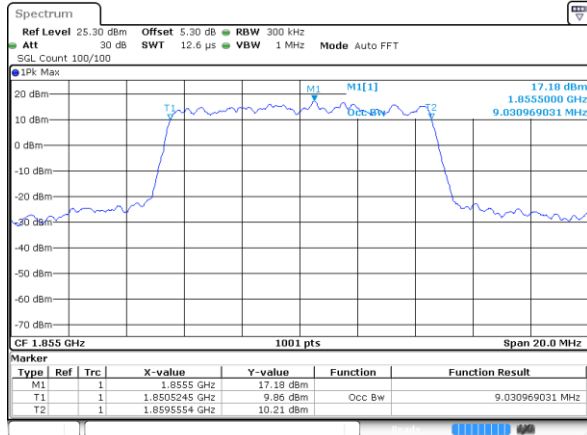


Date: 29 OCT 2018 17:03:43



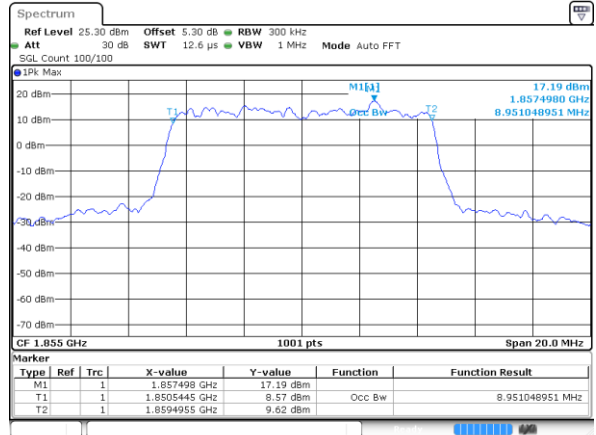
## LTE Band 2

## Lowest Channel / 10MHz / QPSK



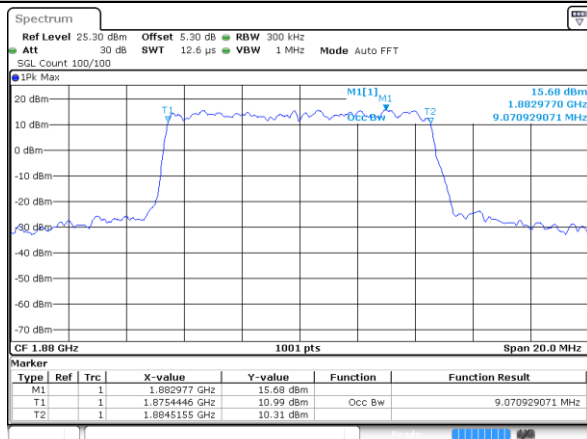
Date: 29 OCT 2018 17:10:32

## Lowest Channel / 10MHz / 16QAM



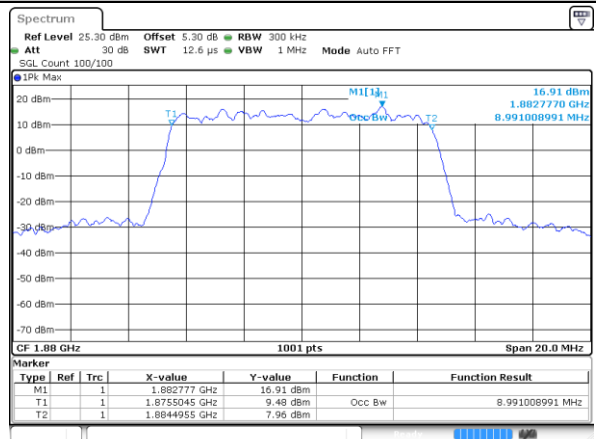
Date: 29 OCT 2018 17:10:42

## Middle Channel / 10MHz / QPSK



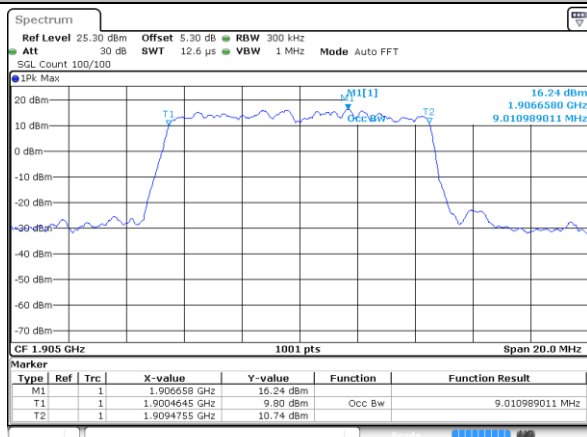
Date: 29 OCT 2018 17:17:31

## Middle Channel / 10MHz / 16QAM



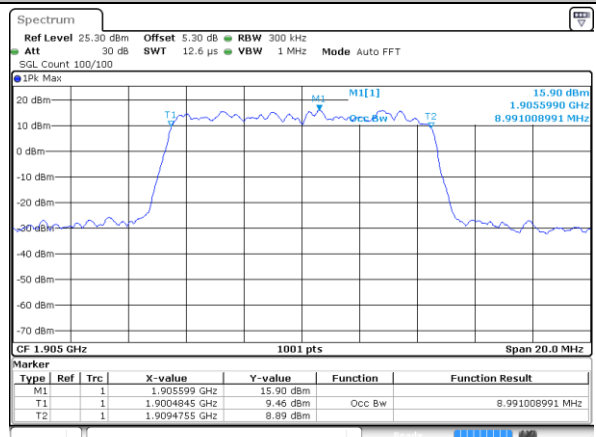
Date: 29 OCT 2018 17:17:41

## Highest Channel / 10MHz / QPSK



Date: 29 OCT 2018 17:20:00

## Highest Channel / 10MHz / 16QAM

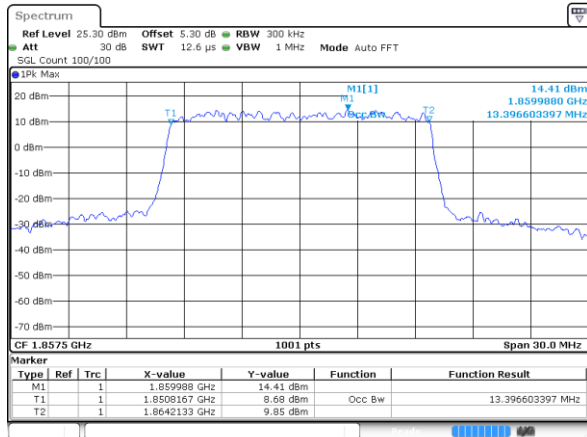


Date: 29 OCT 2018 17:20:10



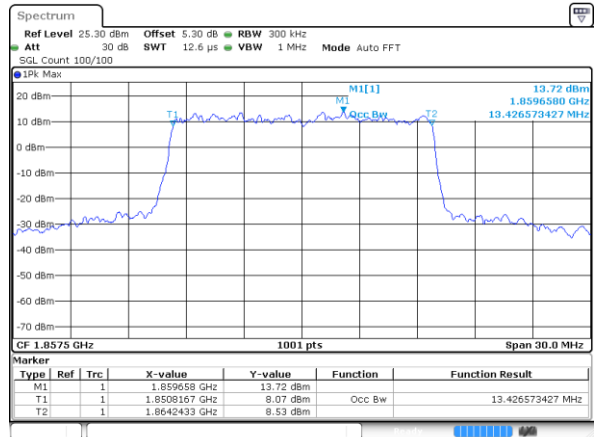
## LTE Band 2

## Lowest Channel / 15MHz / QPSK



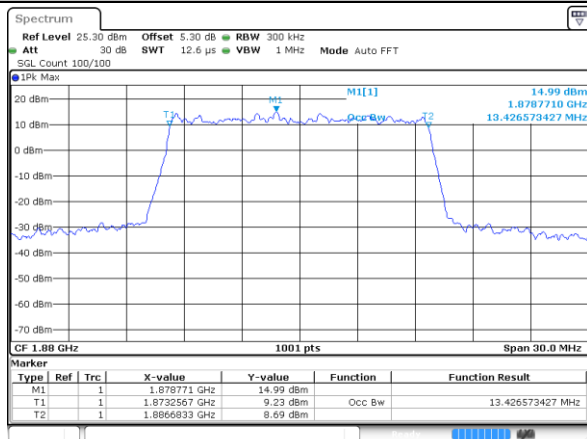
Date: 29 OCT 2018 17:26:59

## Lowest Channel / 15MHz / 16QAM



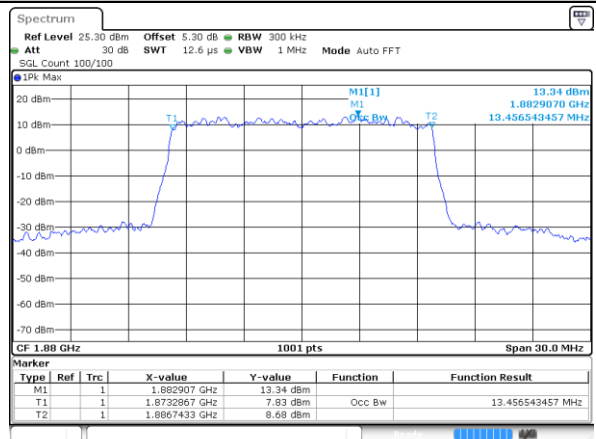
Date: 29 OCT 2018 17:27:09

## Middle Channel / 15MHz / QPSK



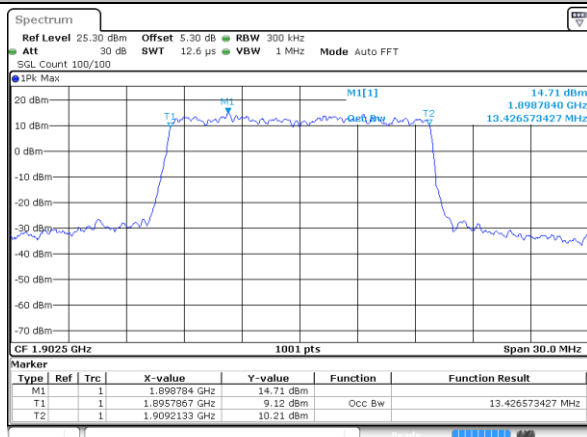
Date: 29 OCT 2018 17:33:59

## Middle Channel / 15MHz / 16QAM



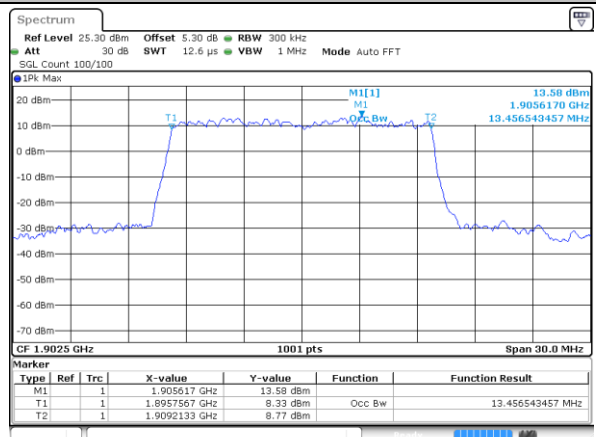
Date: 29 OCT 2018 17:34:09

## Highest Channel / 15MHz / QPSK



Date: 29 OCT 2018 17:36:28

## Highest Channel / 15MHz / 16QAM

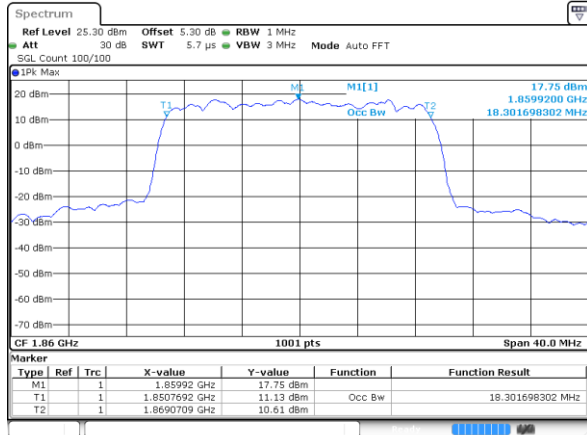


Date: 29 OCT 2018 17:36:38



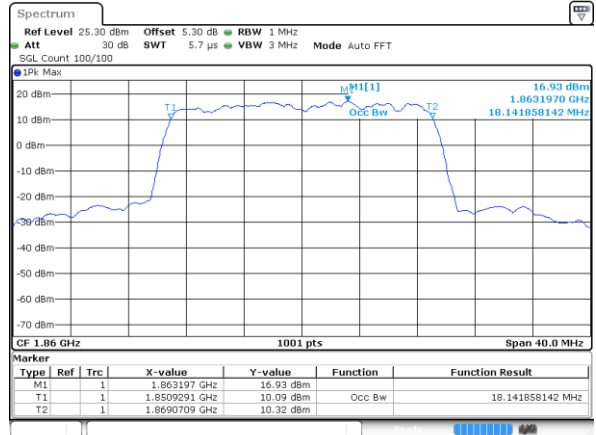
## LTE Band 2

## Lowest Channel / 20MHz / QPSK



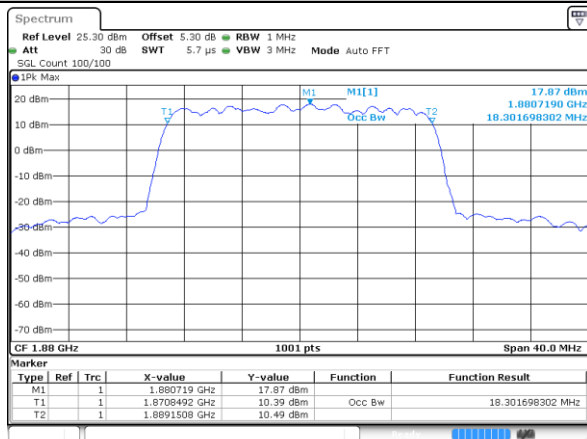
Date: 29 OCT 2018 17:43:27

## Lowest Channel / 20MHz / 16QAM



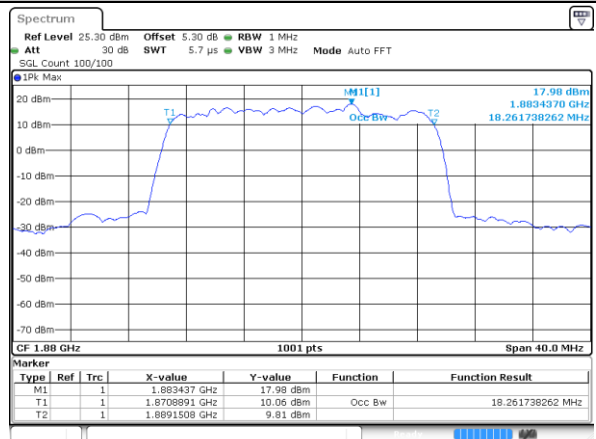
Date: 29 OCT 2018 17:43:37

## Middle Channel / 20MHz / QPSK



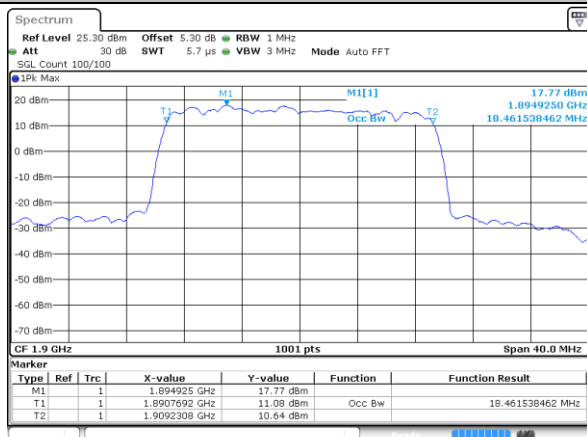
Date: 29 OCT 2018 17:50:26

## Middle Channel / 20MHz / 16QAM



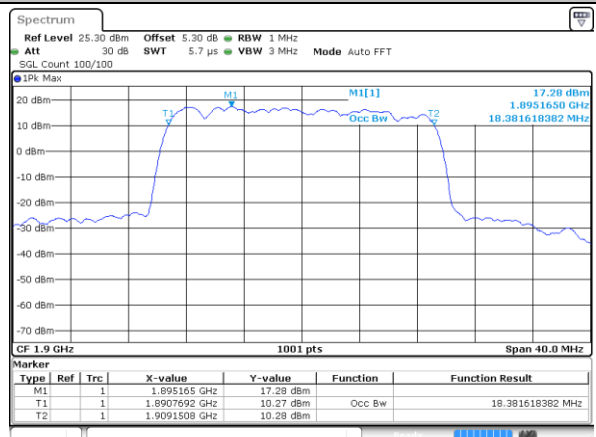
Date: 29 OCT 2018 17:50:37

## Highest Channel / 20MHz / QPSK



Date: 29 OCT 2018 17:52:56

## Highest Channel / 20MHz / 16QAM

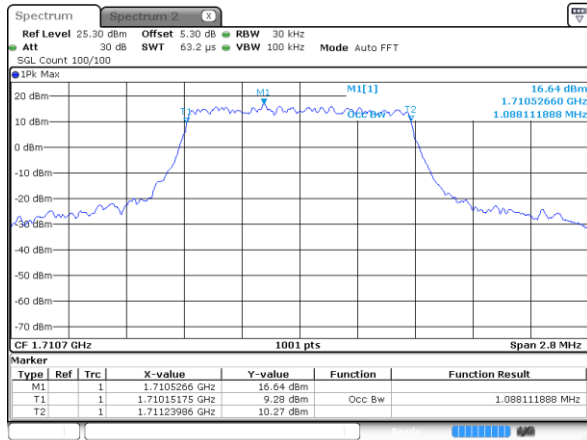


Date: 29 OCT 2018 17:53:06

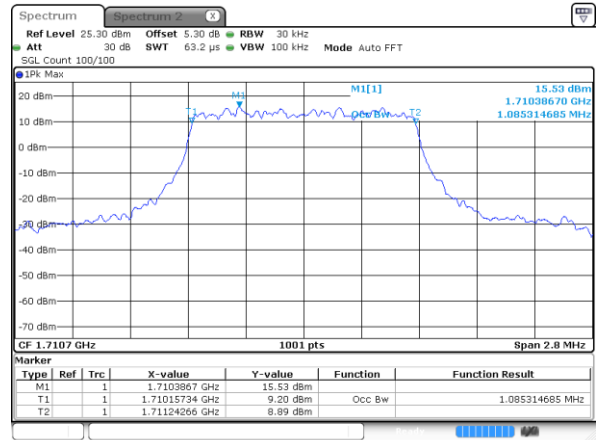


## LTE Band 4

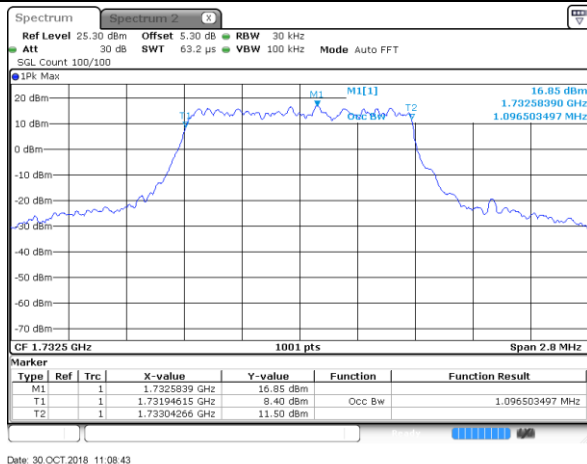
## Lowest Channel / 1.4MHz / QPSK



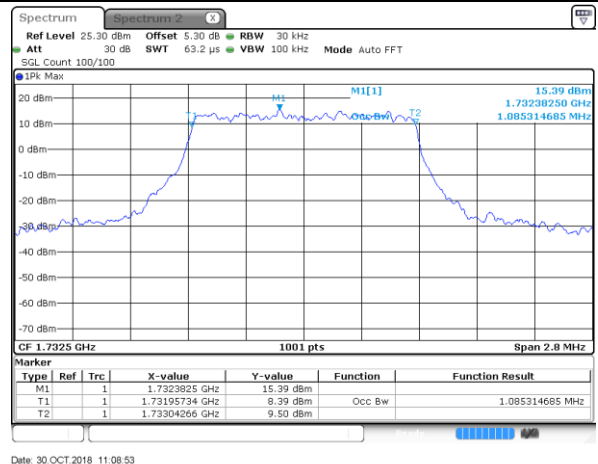
## Lowest Channel / 1.4MHz / 16QAM



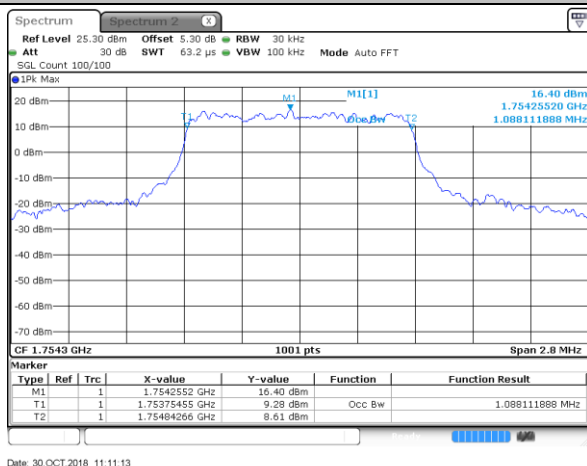
## Middle Channel / 1.4MHz / QPSK



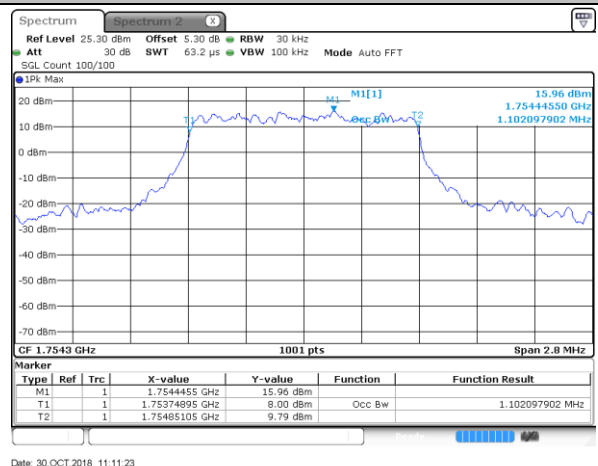
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



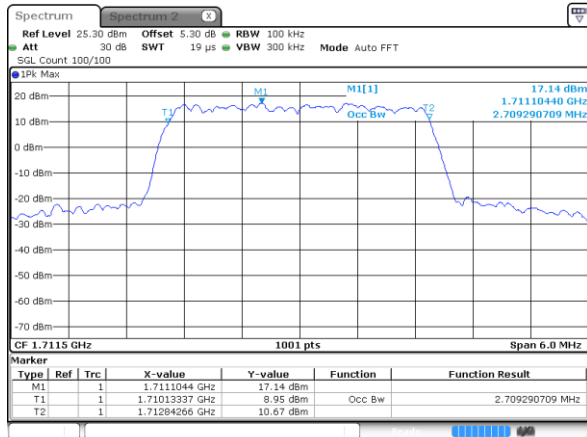
## Highest Channel / 1.4MHz / 16QAM



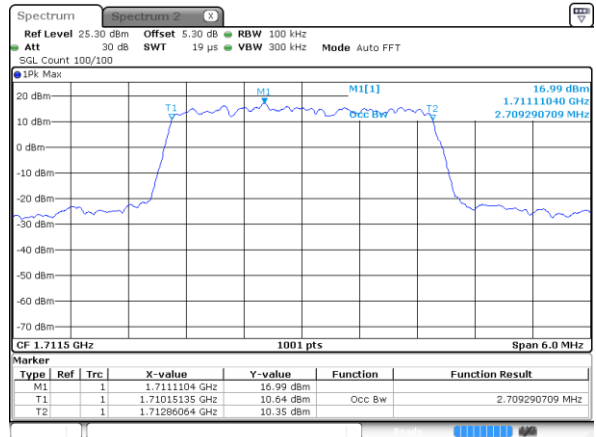


## LTE Band 4

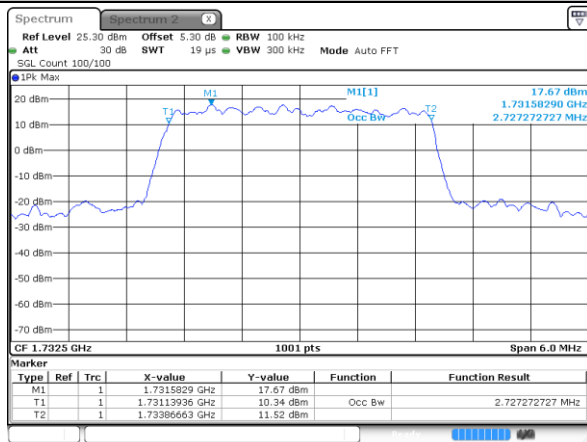
## Lowest Channel / 3MHz / QPSK



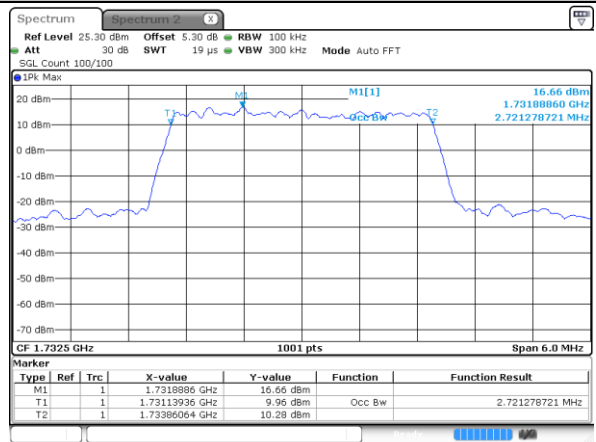
## Lowest Channel / 3MHz / 16QAM



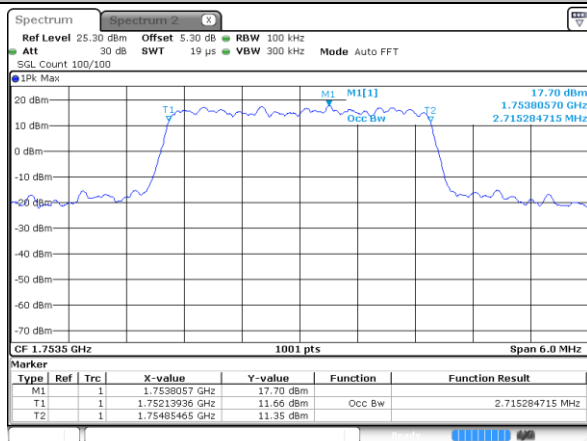
## Middle Channel / 3MHz / QPSK



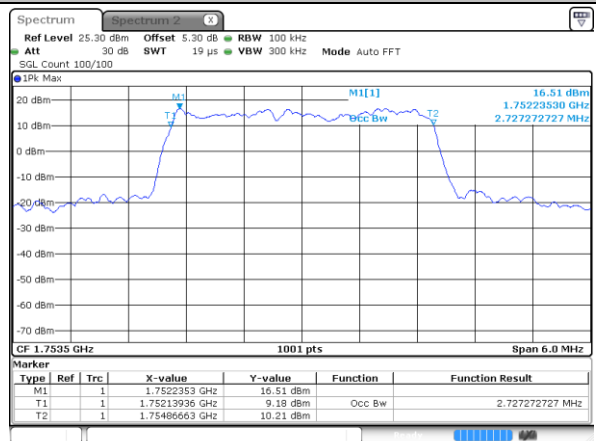
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



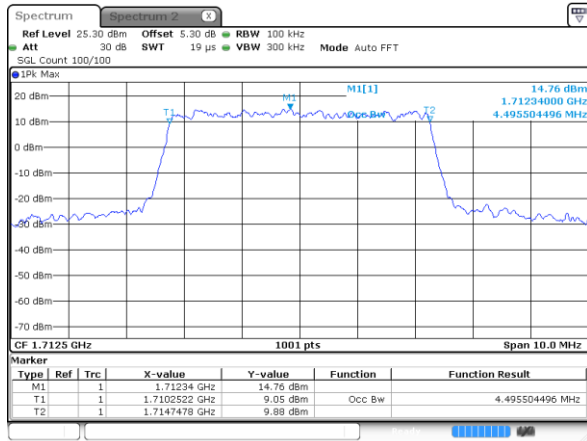
## Highest Channel / 3MHz / 16QAM



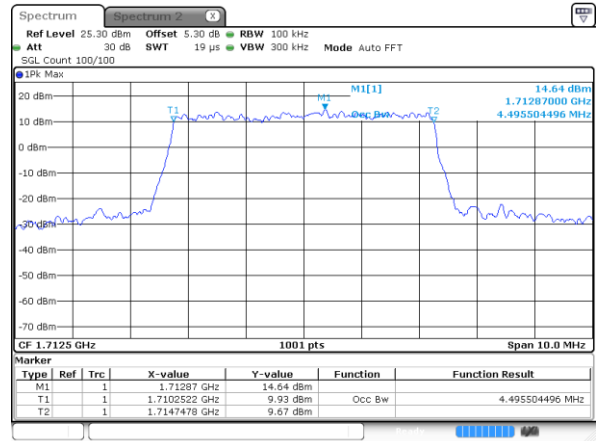


## LTE Band 4

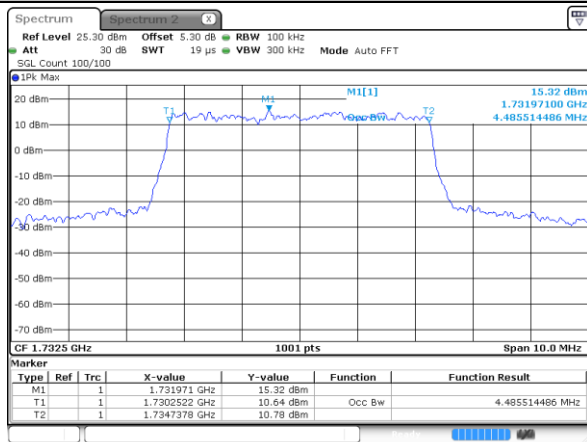
## Lowest Channel / 5MHz / QPSK



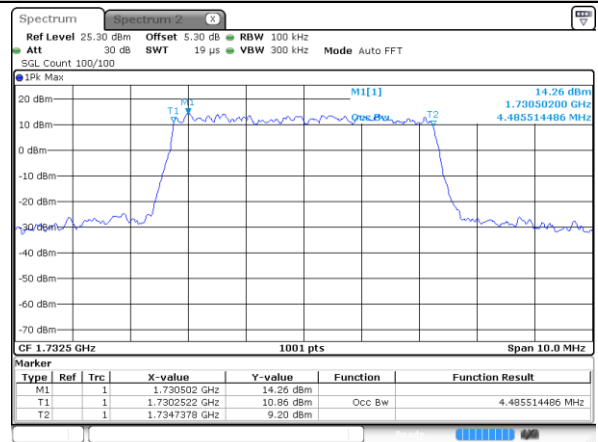
## Lowest Channel / 5MHz / 16QAM



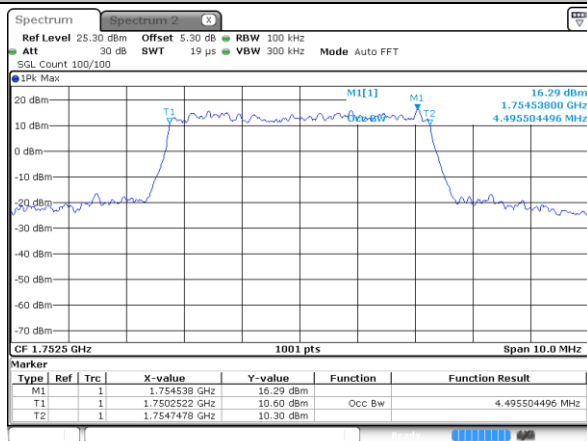
## Middle Channel / 5MHz / QPSK



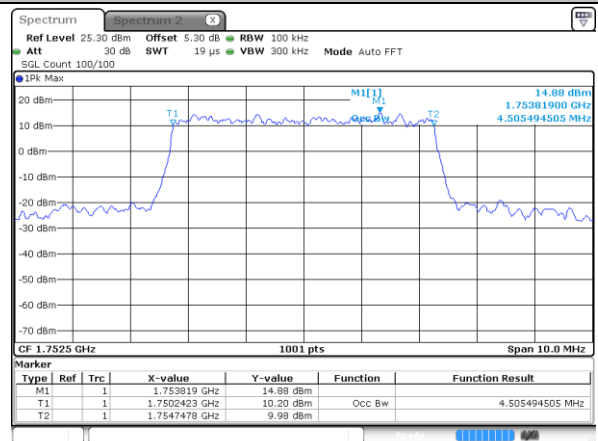
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



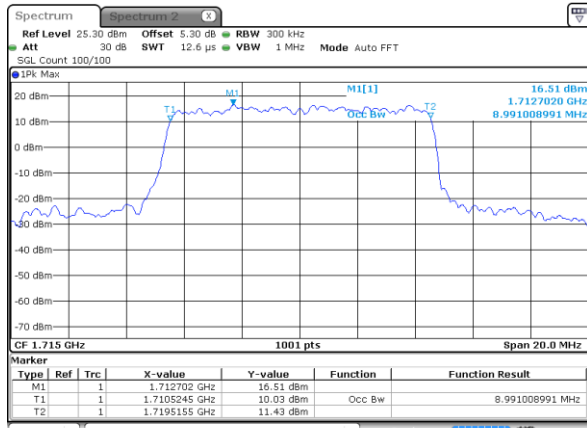
## Highest Channel / 5MHz / 16QAM





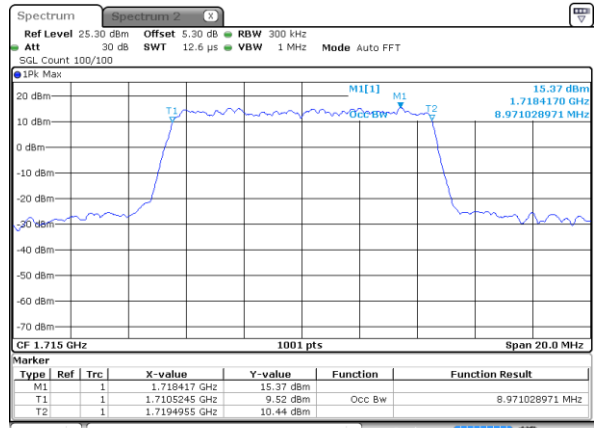
## LTE Band 4

## Lowest Channel / 10MHz / QPSK



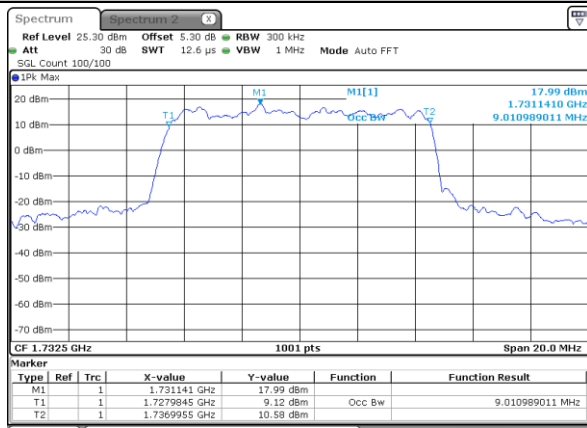
Date: 30.OCT.2018 11:51:14

## Lowest Channel / 10MHz / 16QAM



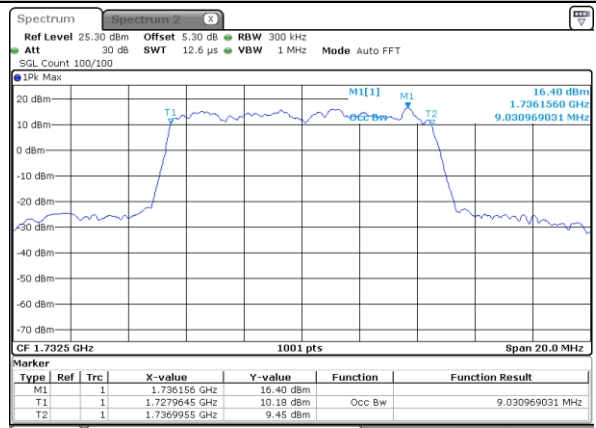
Date: 30.OCT.2018 11:51:24

## Middle Channel / 10MHz / QPSK



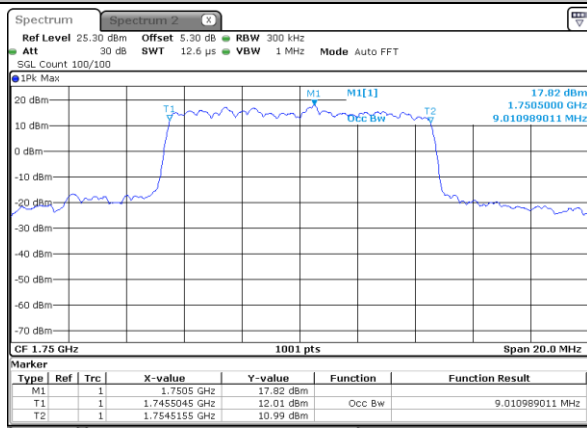
Date: 30.OCT.2018 11:58:14

## Middle Channel / 10MHz / 16QAM



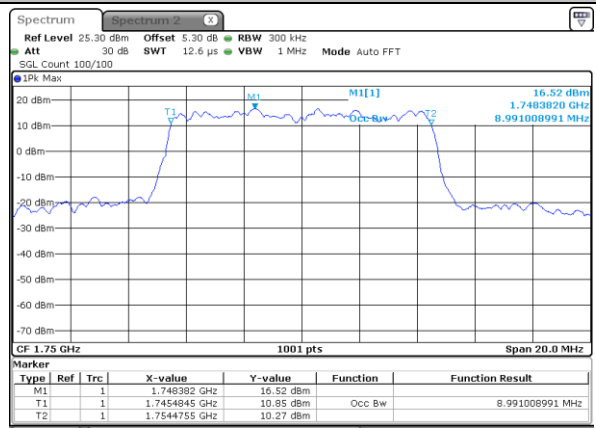
Date: 30.OCT.2018 11:58:24

## Highest Channel / 10MHz / QPSK



Date: 30.OCT.2018 12:00:44

## Highest Channel / 10MHz / 16QAM

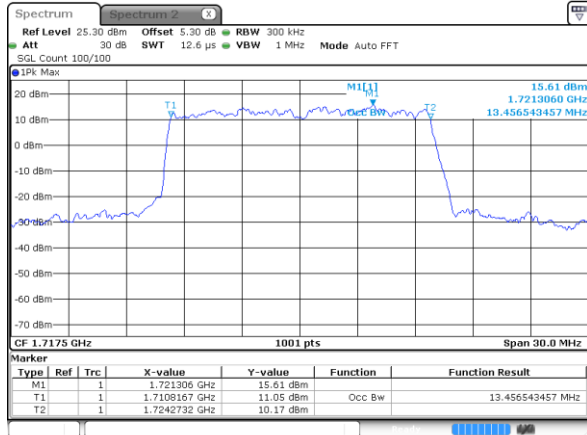


Date: 30.OCT.2018 12:00:54

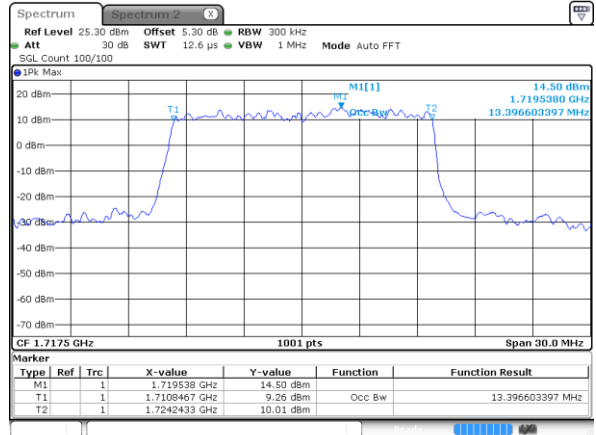


## LTE Band 4

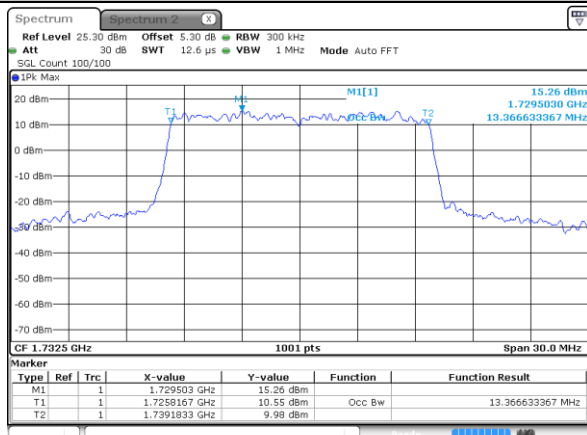
## Lowest Channel / 15MHz / QPSK



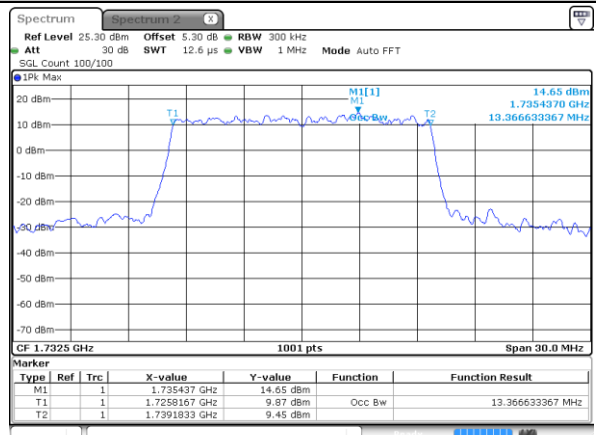
## Lowest Channel / 15MHz / 16QAM



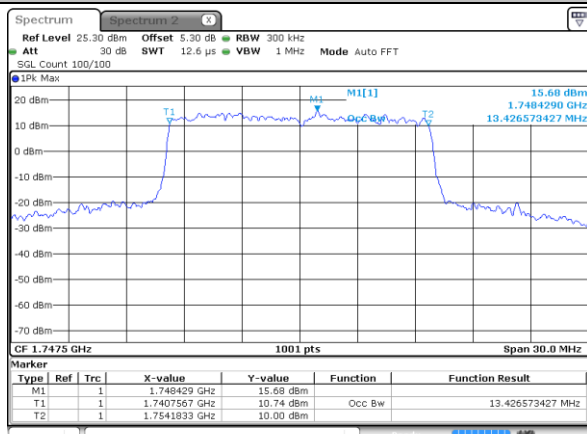
## Middle Channel / 15MHz / QPSK



## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



## Highest Channel / 15MHz / 16QAM

