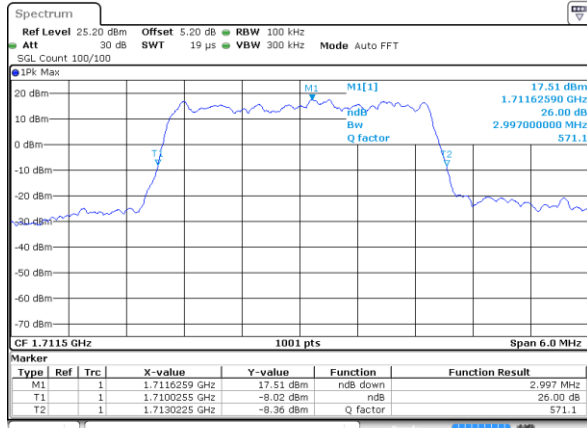




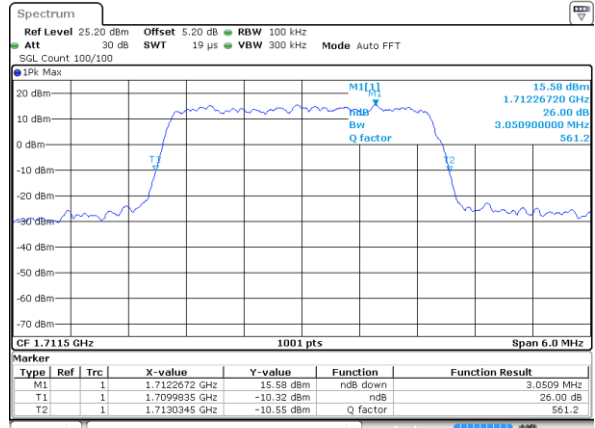
## LTE Band 4

## Lowest Channel / 3MHz / QPSK



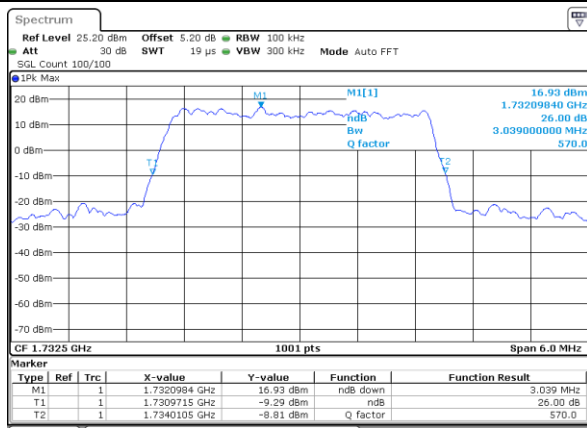
Date: 28 MAY 2019 01:54:51

## Lowest Channel / 3MHz / 16QAM



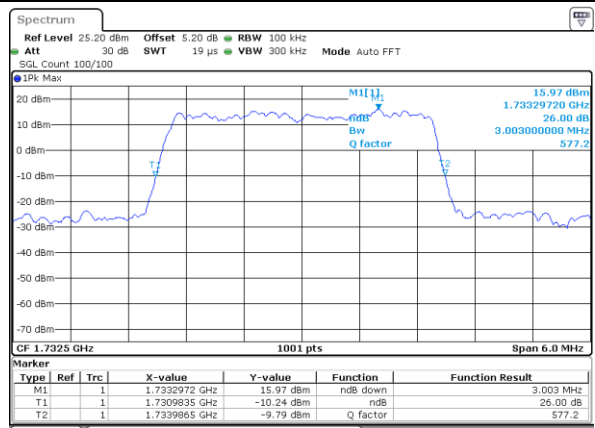
Date: 28 MAY 2019 01:55:01

## Middle Channel / 3MHz / QPSK



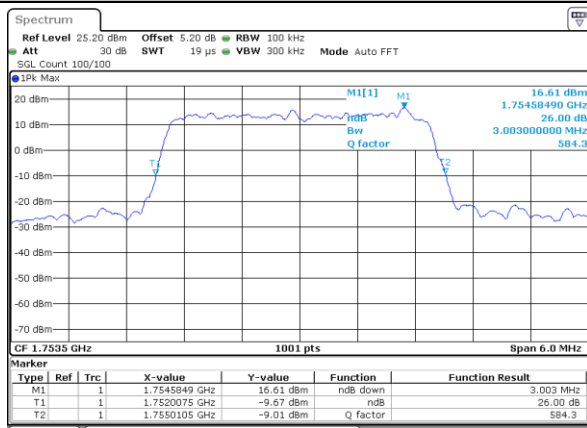
Date: 28 MAY 2019 02:01:51

## Middle Channel / 3MHz / 16QAM



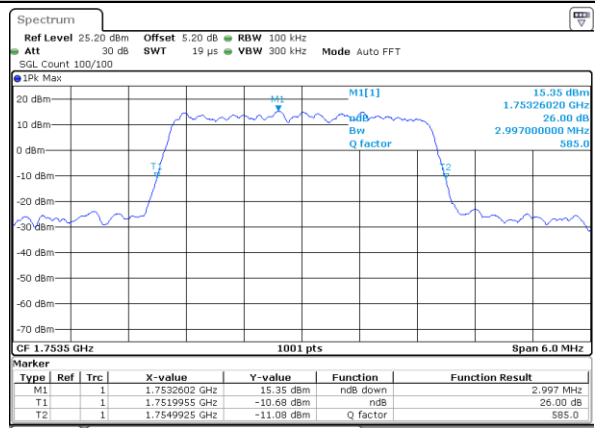
Date: 28 MAY 2019 02:02:01

## Highest Channel / 3MHz / QPSK



Date: 28 MAY 2019 02:04:20

## Highest Channel / 3MHz / 16QAM

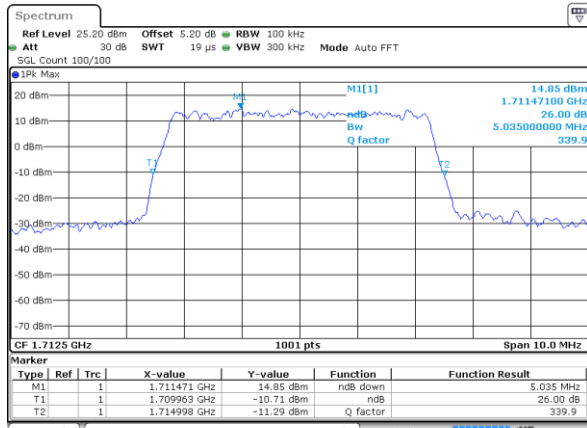


Date: 28 MAY 2019 02:04:30

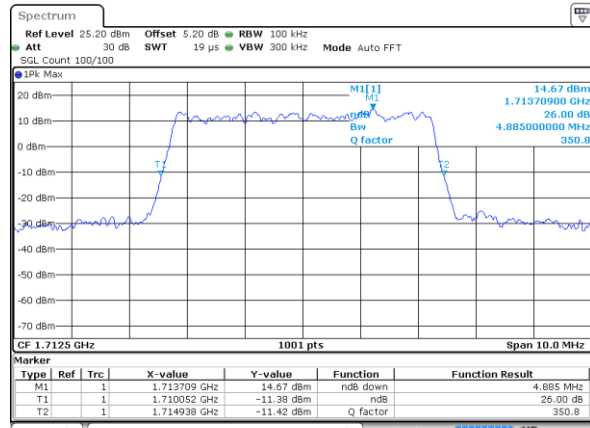


## LTE Band 4

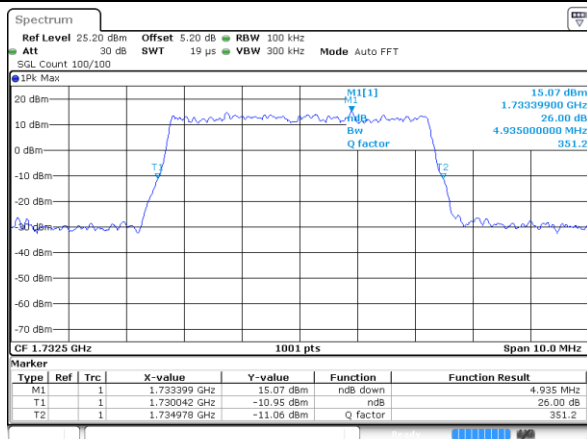
## Lowest Channel / 5MHz / QPSK



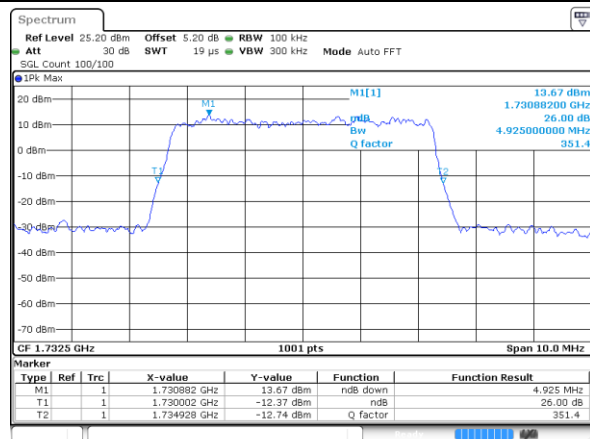
## Lowest Channel / 5MHz / 16QAM



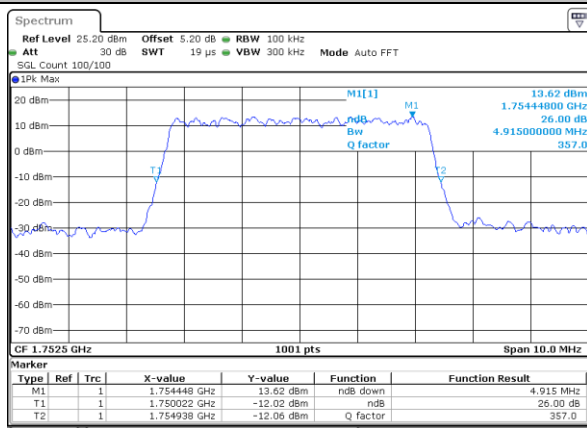
## Middle Channel / 5MHz / QPSK



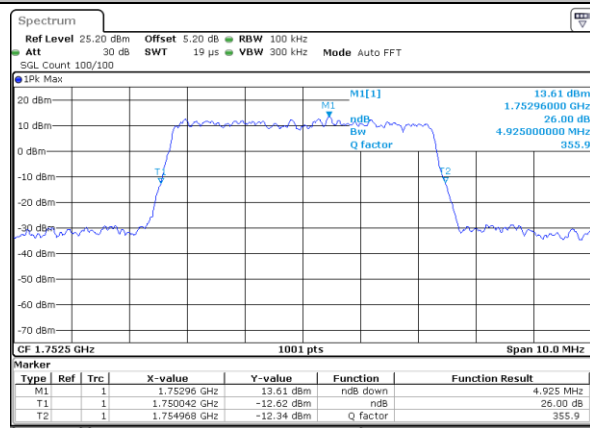
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



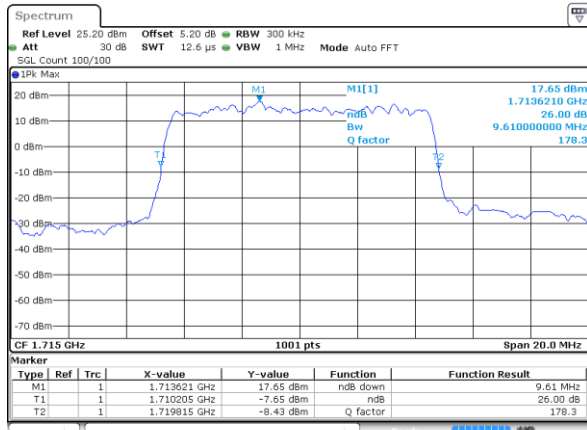
## Highest Channel / 5MHz / 16QAM



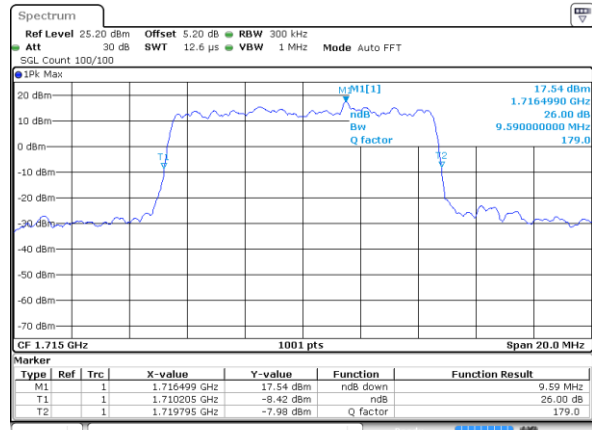


## LTE Band 4

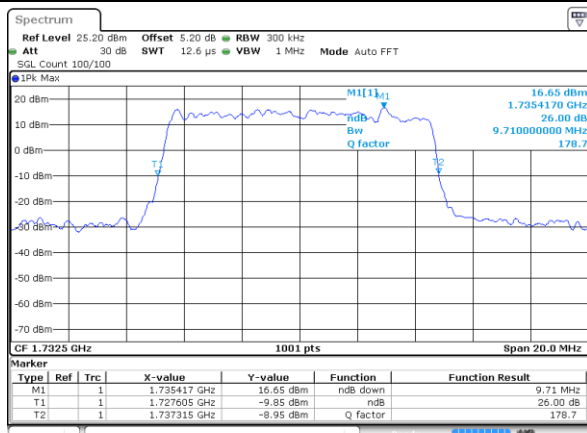
## Lowest Channel / 10MHz / QPSK



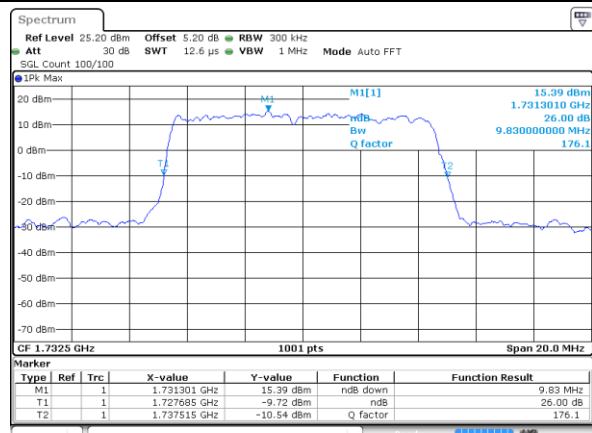
## Lowest Channel / 10MHz / 16QAM



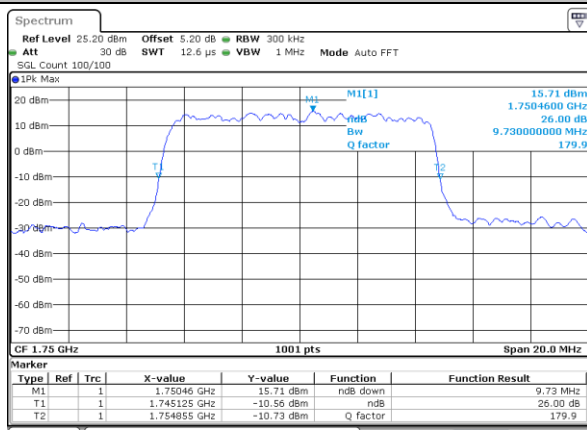
## Middle Channel / 10MHz / QPSK



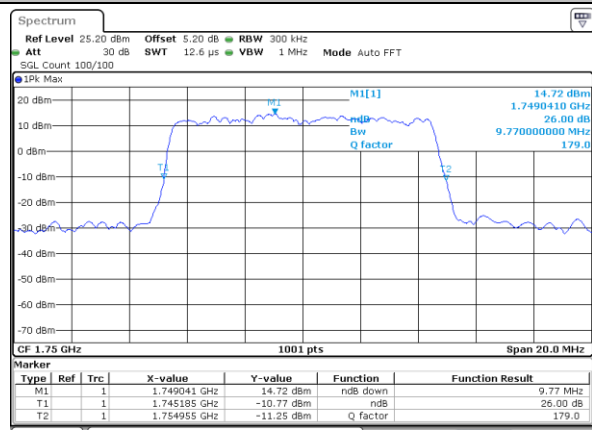
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



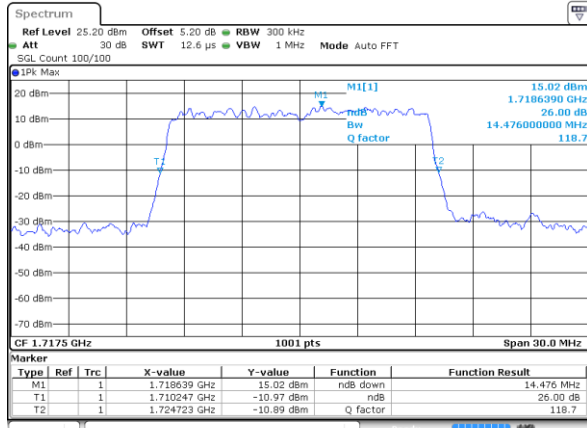
## Highest Channel / 10MHz / 16QAM





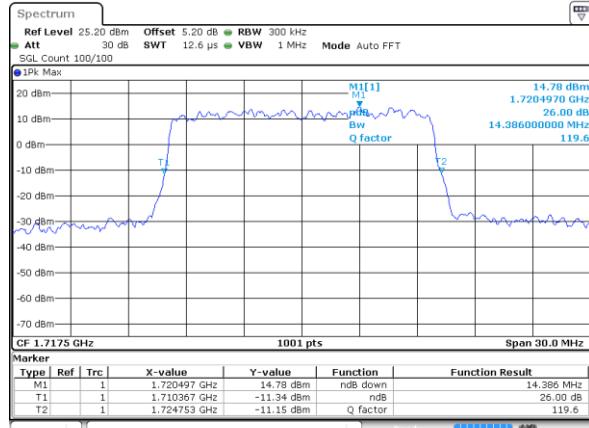
## LTE Band 4

## Lowest Channel / 15MHz / QPSK



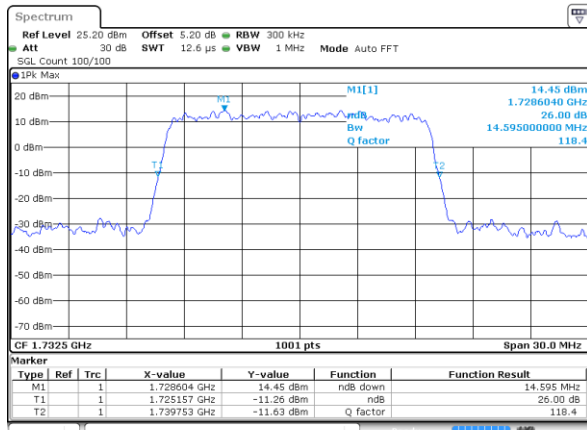
Date: 28 MAY 2019 02:44:17

## Lowest Channel / 15MHz / 16QAM



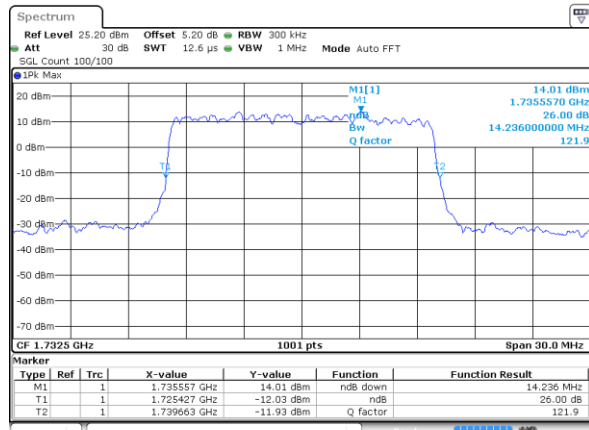
Date: 28 MAY 2019 02:44:27

## Middle Channel / 15MHz / QPSK



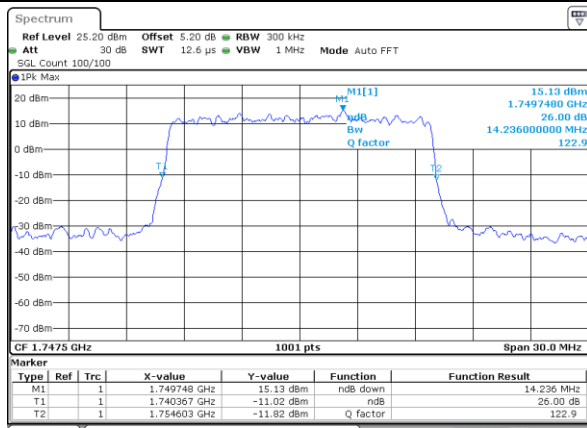
Date: 28 MAY 2019 02:51:17

## Middle Channel / 15MHz / 16QAM



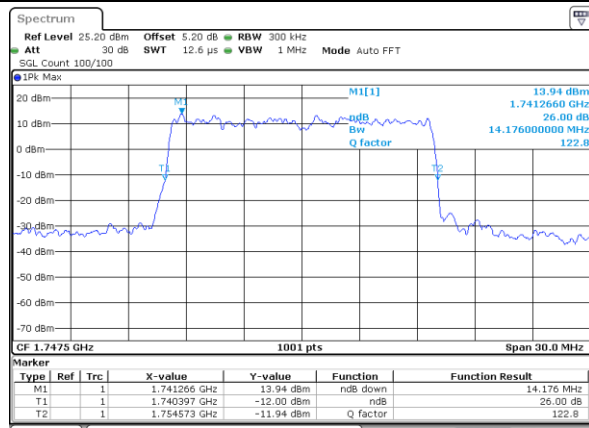
Date: 28 MAY 2019 02:51:27

## Highest Channel / 15MHz / QPSK



Date: 28 MAY 2019 02:53:47

## Highest Channel / 15MHz / 16QAM

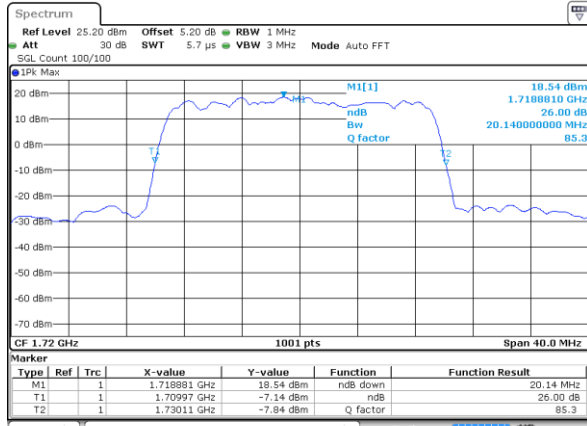


Date: 28 MAY 2019 02:53:57



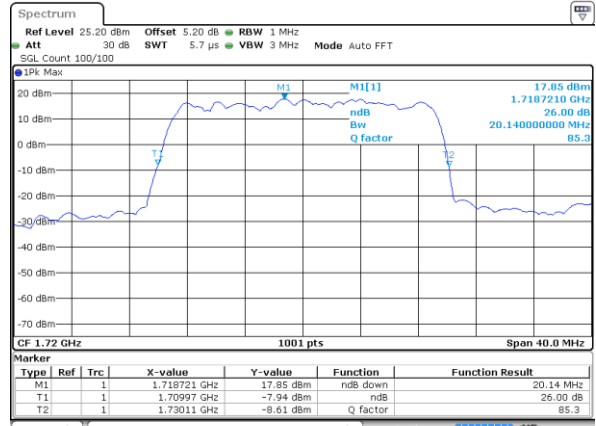
## LTE Band 4

## Lowest Channel / 20MHz / QPSK



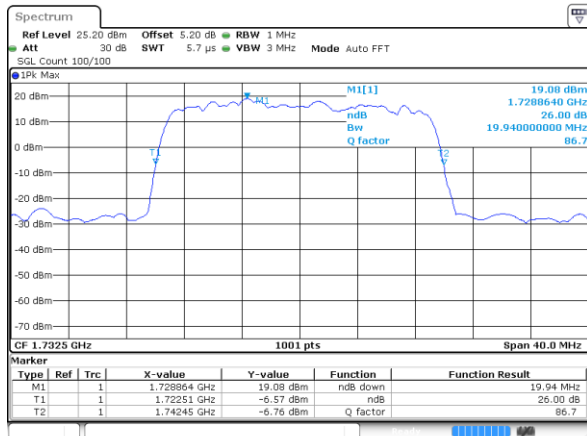
Date: 28 MAY 2019 03:00:46

## Lowest Channel / 20MHz / 16QAM



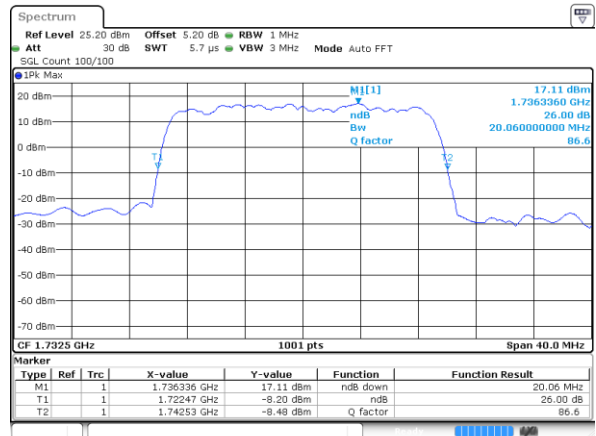
Date: 28 MAY 2019 03:00:56

## Middle Channel / 20MHz / QPSK



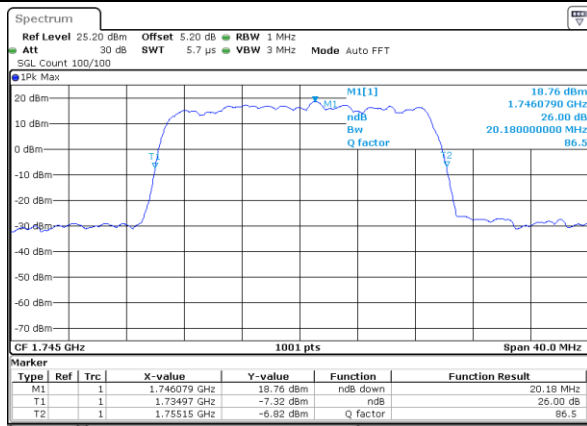
Date: 28 MAY 2019 03:07:46

## Middle Channel / 20MHz / 16QAM



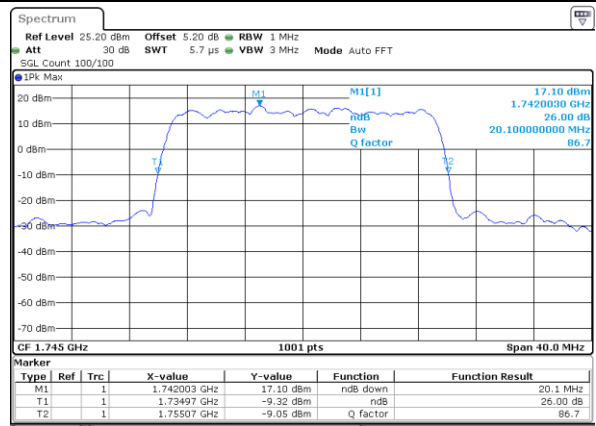
Date: 28 MAY 2019 03:07:56

## Highest Channel / 20MHz / QPSK



Date: 28 MAY 2019 03:10:16

## Highest Channel / 20MHz / 16QAM

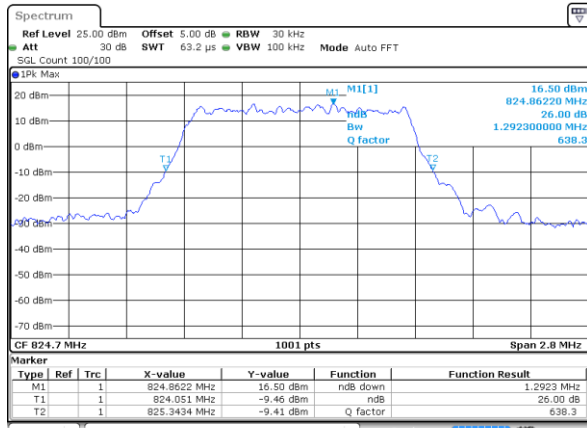


Date: 28 MAY 2019 03:10:26



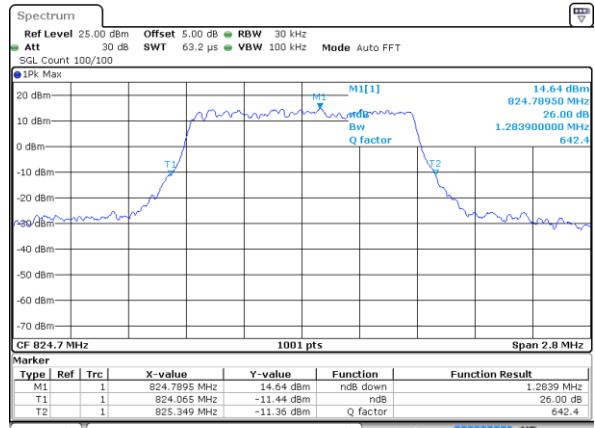
## LTE Band 5

## Lowest Channel / 1.4MHz / QPSK



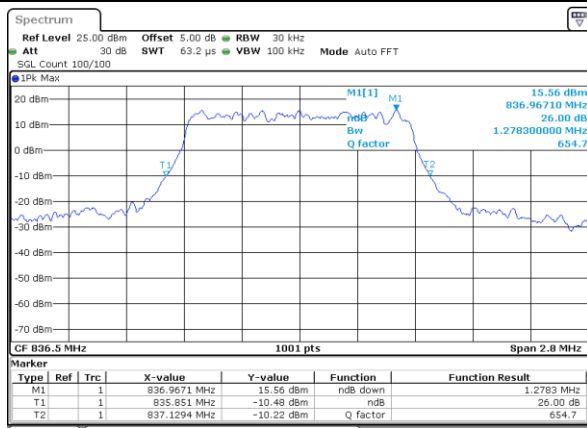
Date: 2 JUN 2019 03:08:38

## Lowest Channel / 1.4MHz / 16QAM



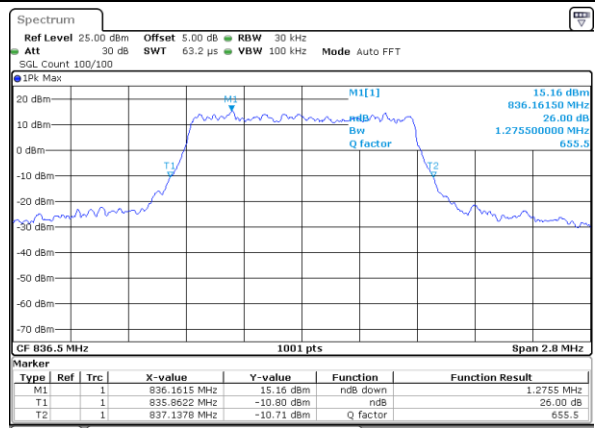
Date: 2 JUN 2019 03:08:28

## Middle Channel / 1.4MHz / QPSK



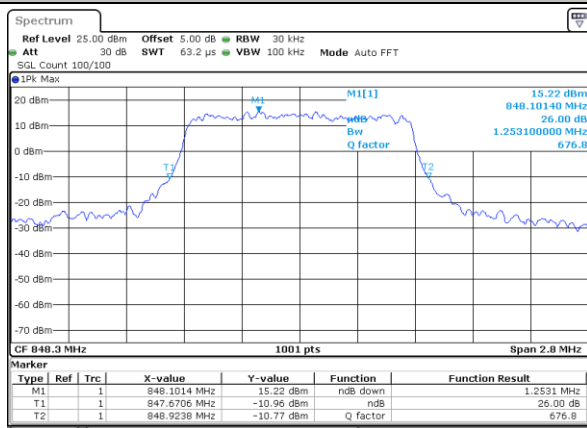
Date: 2 JUN 2019 03:19:13

## Middle Channel / 1.4MHz / 16QAM



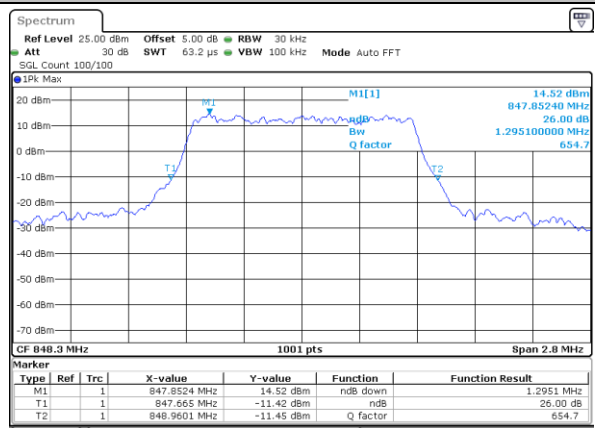
Date: 2 JUN 2019 03:19:23

## Highest Channel / 1.4MHz / QPSK



Date: 2 JUN 2019 03:21:42

## Highest Channel / 1.4MHz / 16QAM

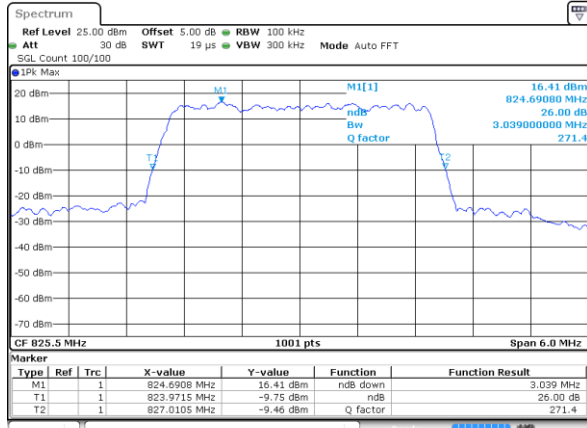


Date: 2 JUN 2019 03:21:52

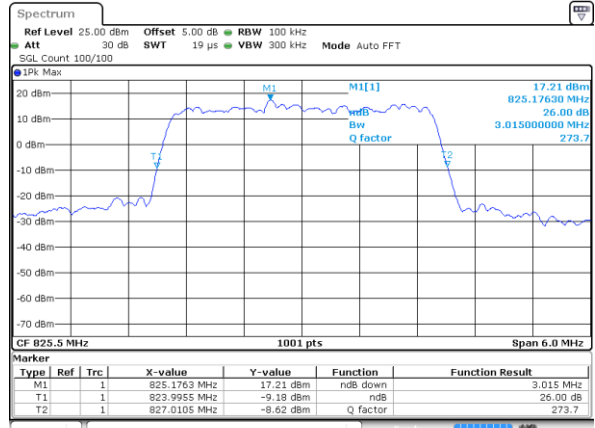


## LTE Band 5

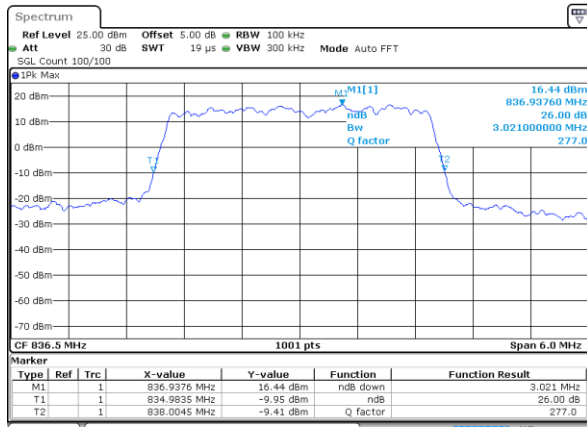
## Lowest Channel / 3MHz / QPSK



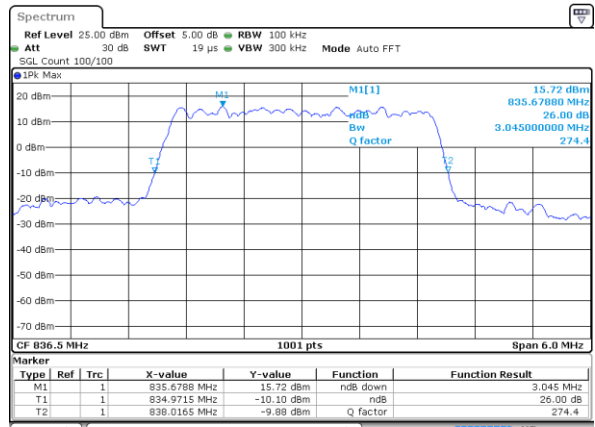
## Lowest Channel / 3MHz / 16QAM



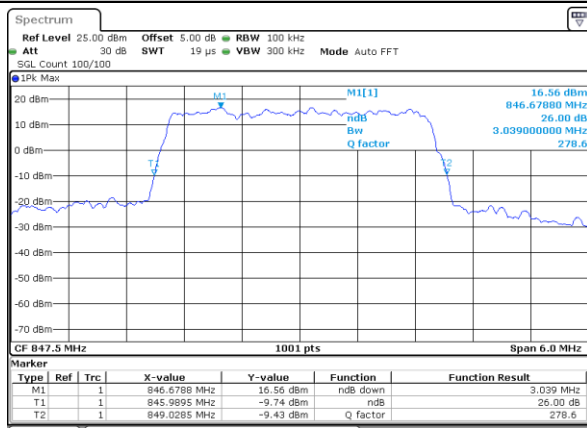
## Middle Channel / 3MHz / QPSK



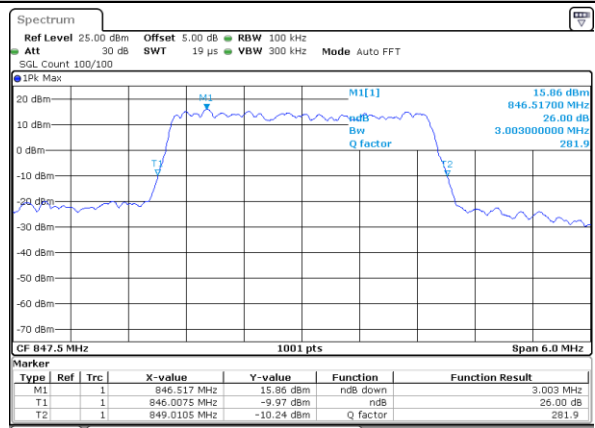
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



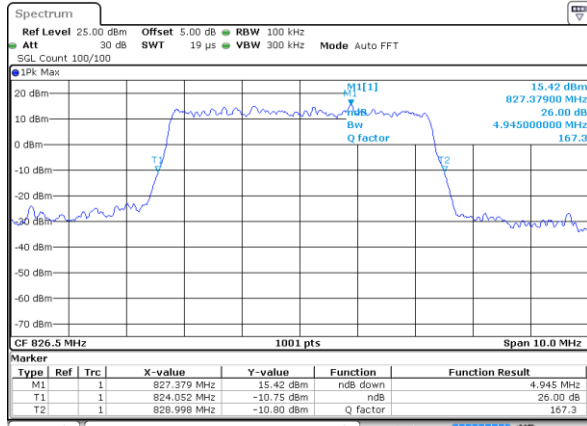
## Highest Channel / 3MHz / 16QAM





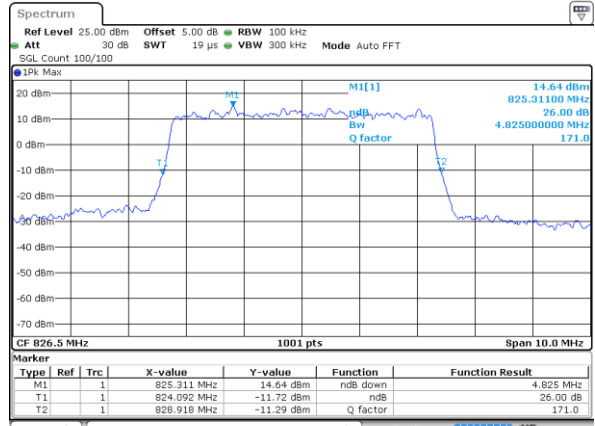
## LTE Band 5

## Lowest Channel / 5MHz / QPSK



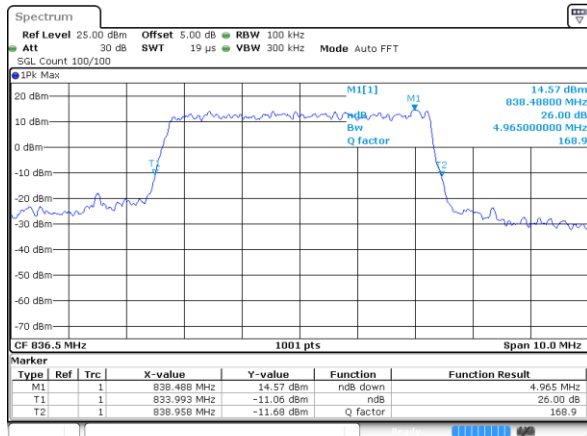
Date: 2 JUN 2019 05:34:27

## Lowest Channel / 5MHz / 16QAM



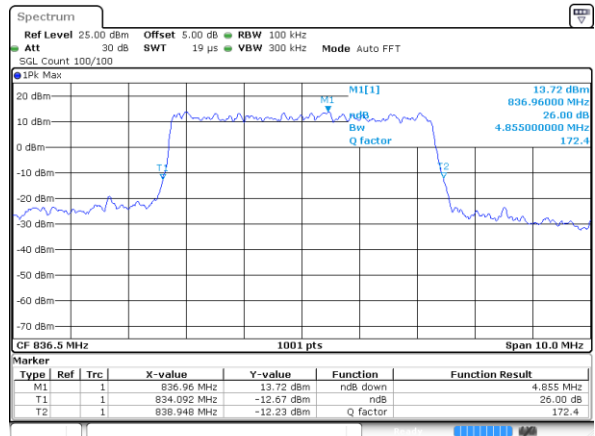
Date: 2 JUN 2019 05:34:47

## Middle Channel / 5MHz / QPSK



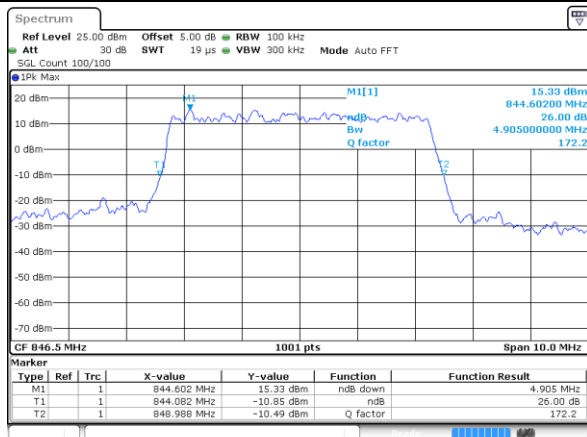
Date: 2 JUN 2019 03:32:16

## Middle Channel / 5MHz / 16QAM



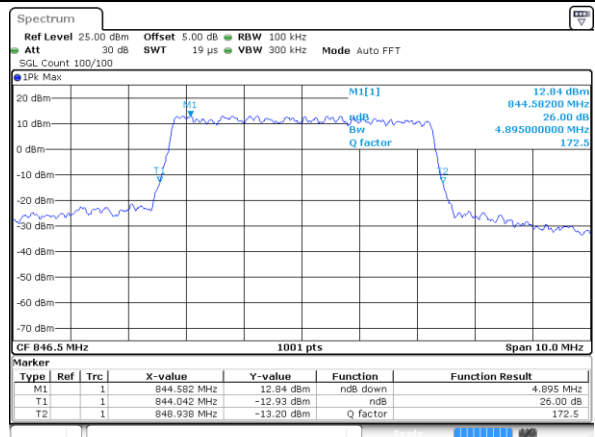
Date: 2 JUN 2019 03:32:26

## Highest Channel / 5MHz / QPSK



Date: 2 JUN 2019 03:34:46

## Highest Channel / 5MHz / 16QAM

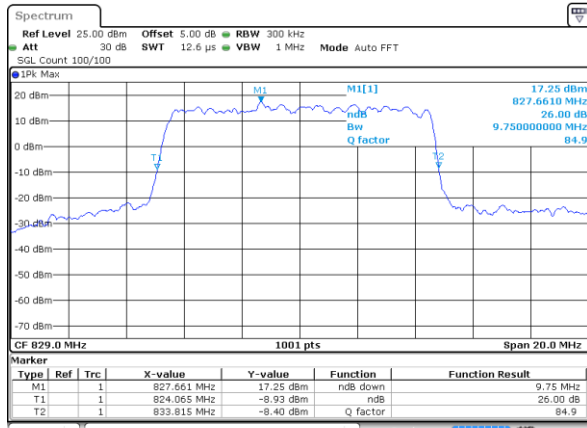


Date: 2 JUN 2019 03:34:56



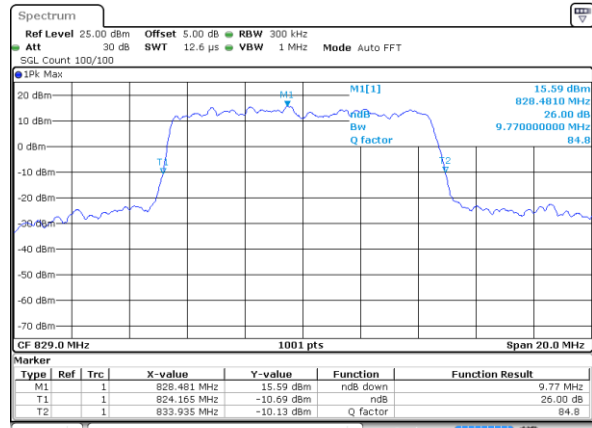
## LTE Band 5

## Lowest Channel / 10MHz / QPSK



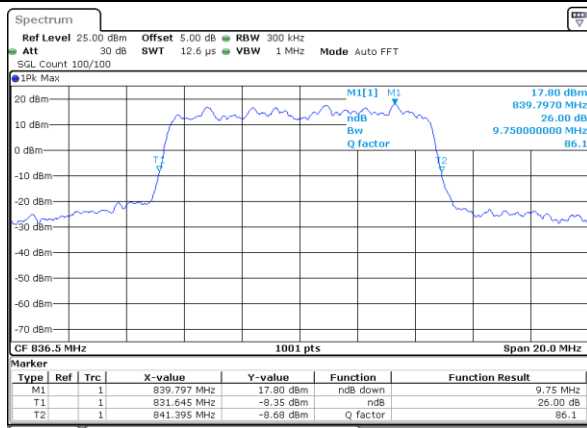
Date: 2 JUN 2019 03:43:45

## Lowest Channel / 10MHz / 16QAM



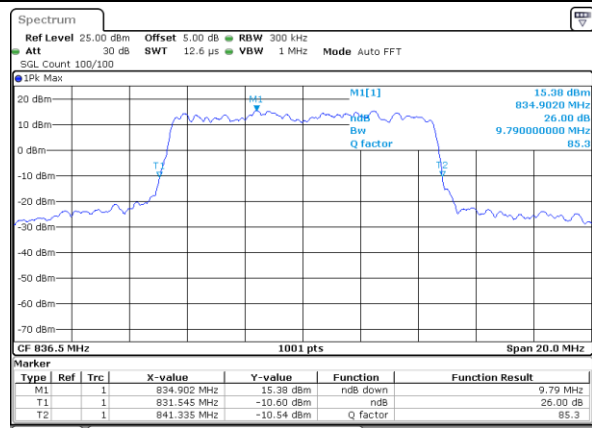
Date: 2 JUN 2019 03:43:55

## Middle Channel / 10MHz / QPSK



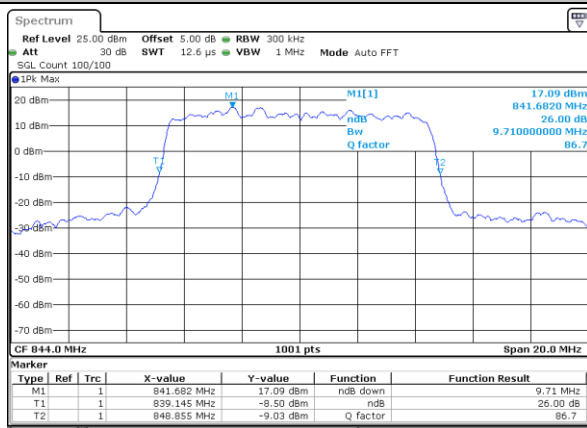
Date: 2 JUN 2019 03:52:44

## Middle Channel / 10MHz / 16QAM



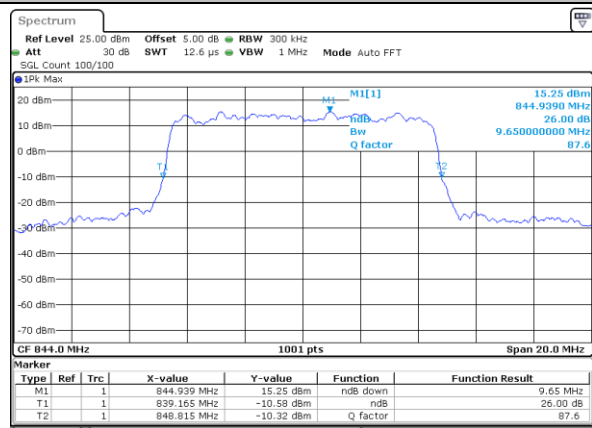
Date: 2 JUN 2019 03:52:54

## Highest Channel / 10MHz / QPSK



Date: 2 JUN 2019 03:55:14

## Highest Channel / 10MHz / 16QAM

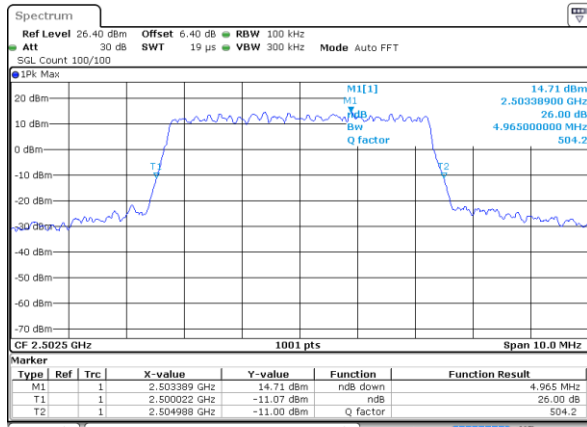


Date: 2 JUN 2019 03:55:24

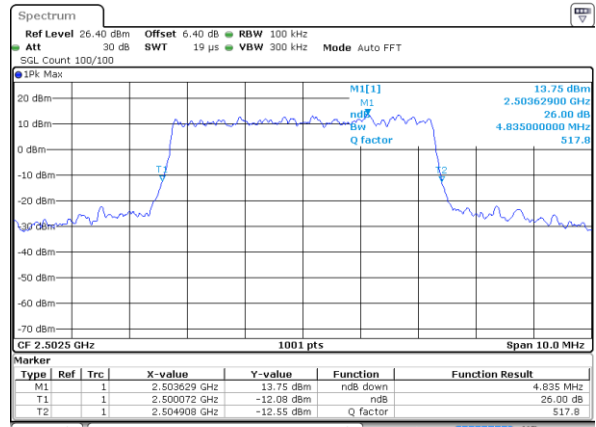
## LTE Band 7



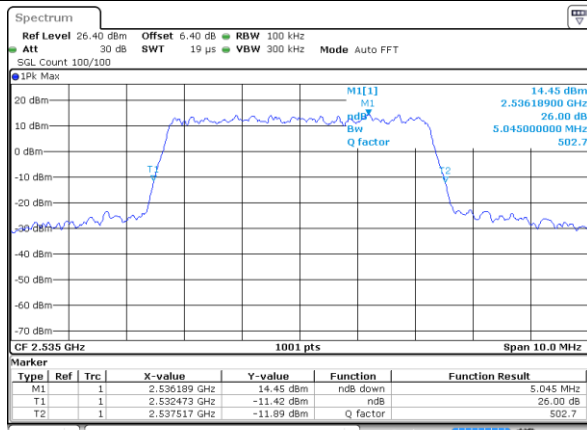
## Lowest Channel / 5MHz / QPSK



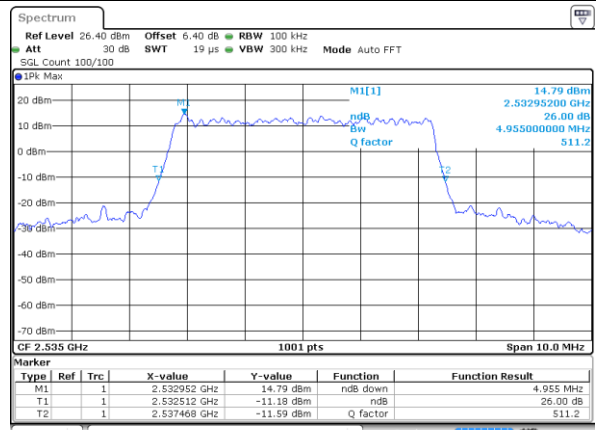
## Lowest Channel / 5MHz / 16QAM



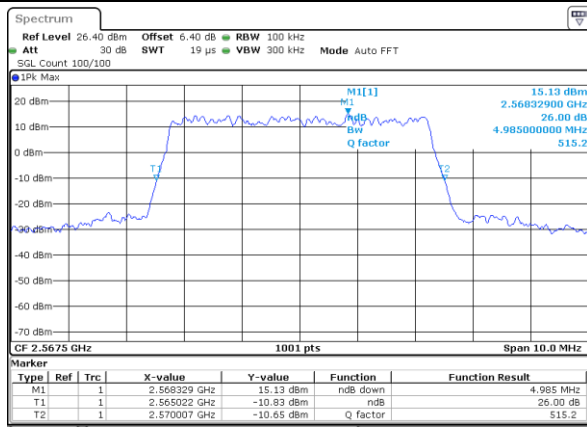
## Middle Channel / 5MHz / QPSK



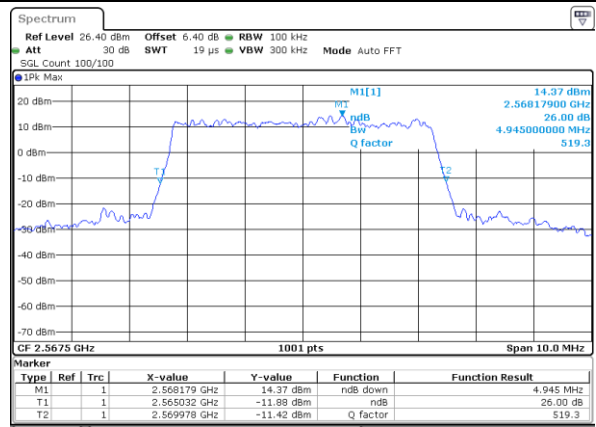
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



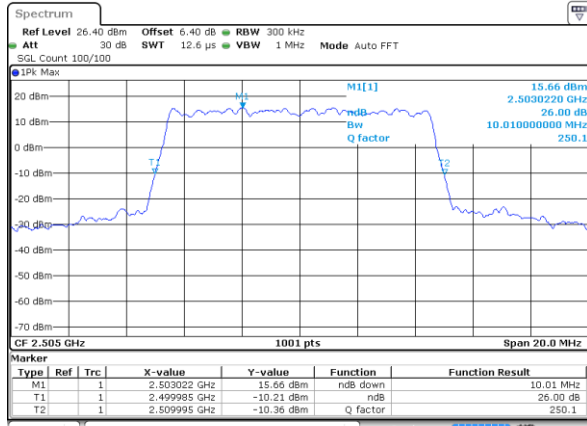
## Highest Channel / 5MHz / 16QAM





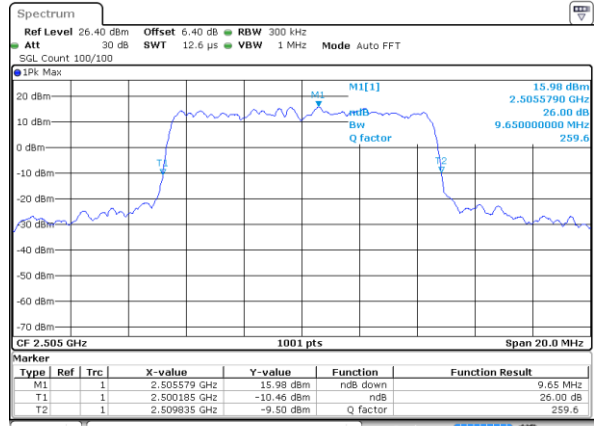
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



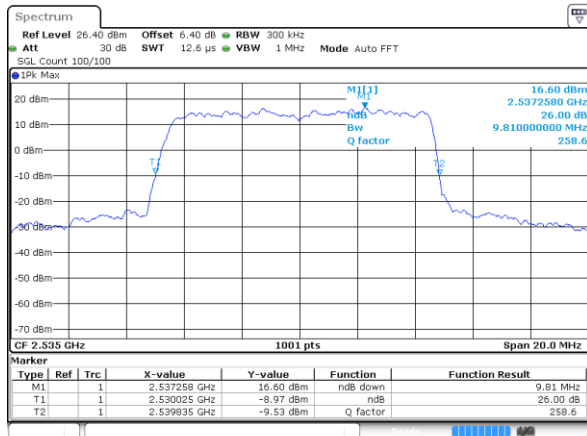
Date: 2 JUN 2019 05:52:53

## Lowest Channel / 10MHz / 16QAM



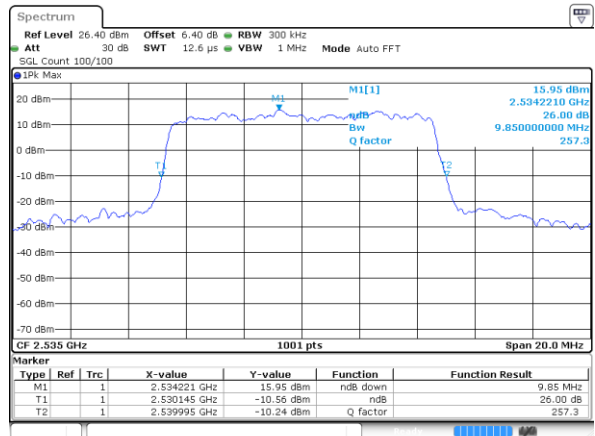
Date: 2 JUN 2019 05:53:13

## Middle Channel / 10MHz / QPSK



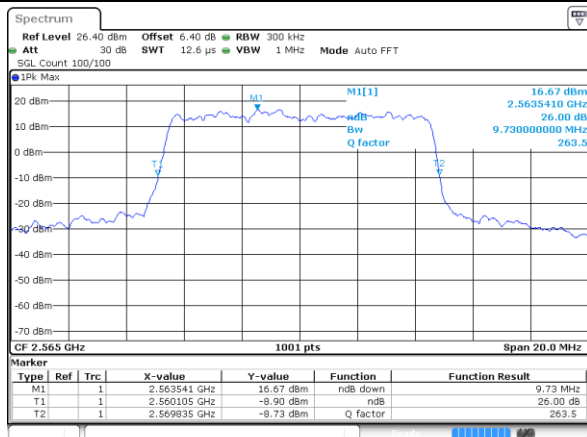
Date: 2 JUN 2019 05:53:53

## Middle Channel / 10MHz / 16QAM



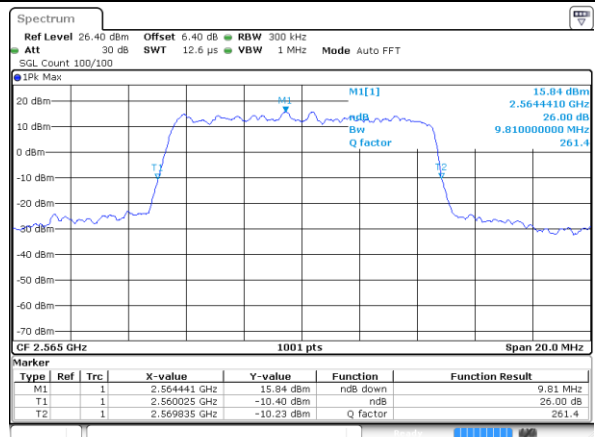
Date: 2 JUN 2019 05:53:33

## Highest Channel / 10MHz / QPSK



Date: 2 JUN 2019 05:54:13

## Highest Channel / 10MHz / 16QAM

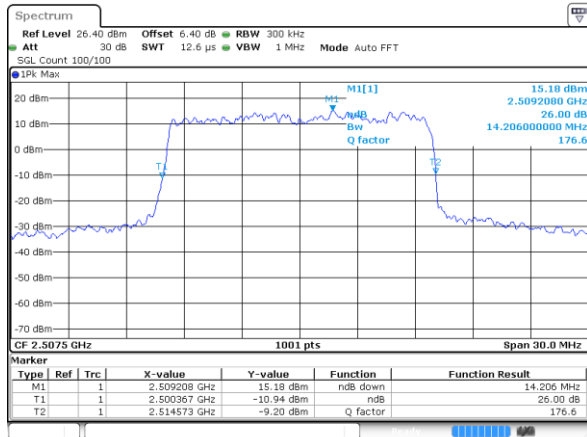


Date: 2 JUN 2019 05:54:33

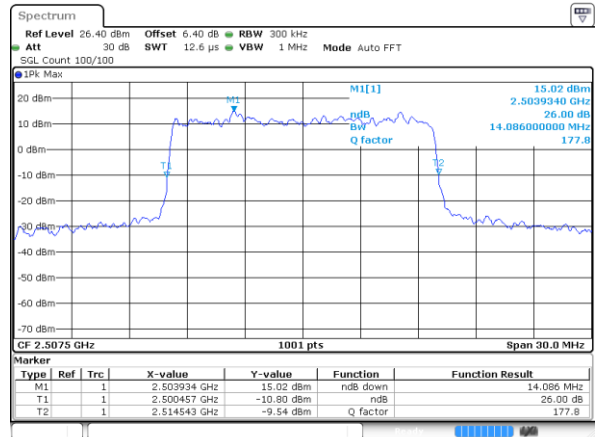


## LTE Band 7

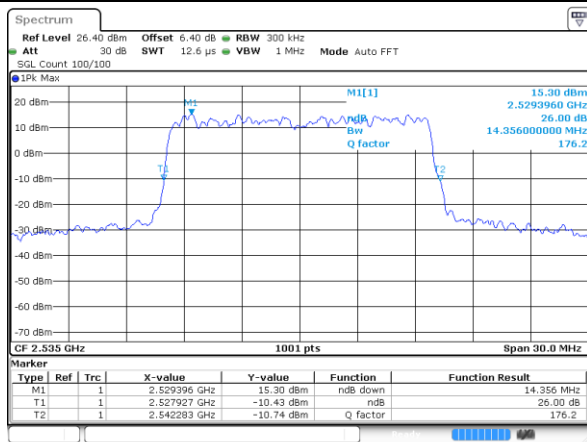
## Lowest Channel / 15MHz / QPSK



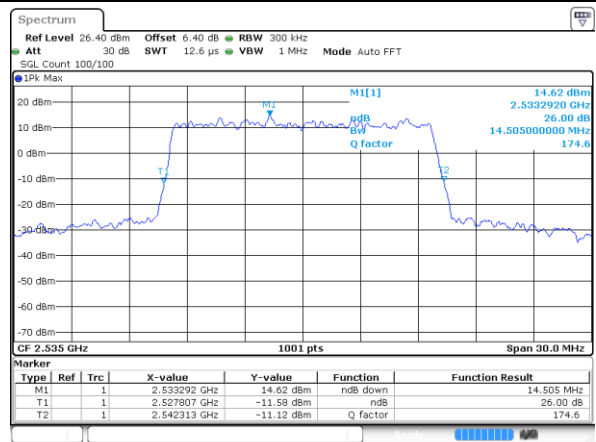
## Lowest Channel / 15MHz / 16QAM



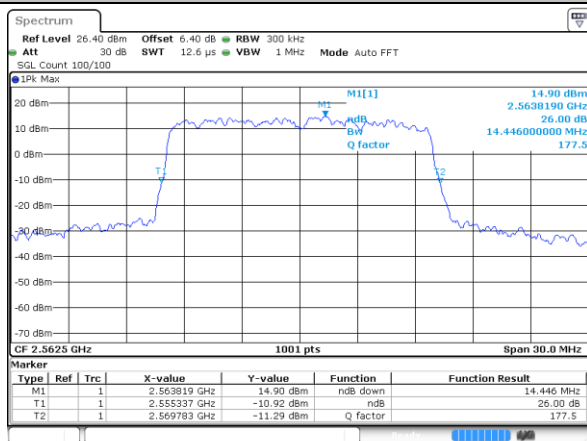
## Middle Channel / 15MHz / QPSK



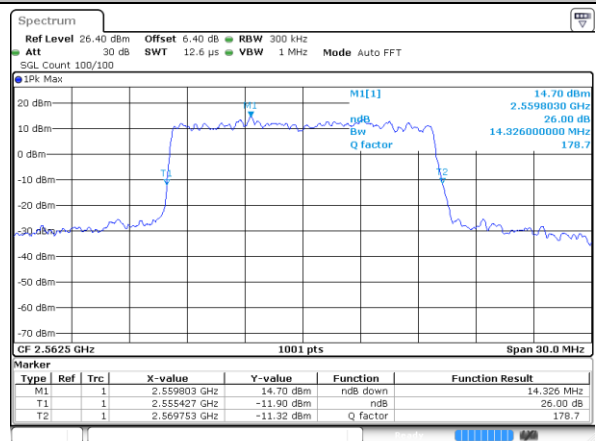
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



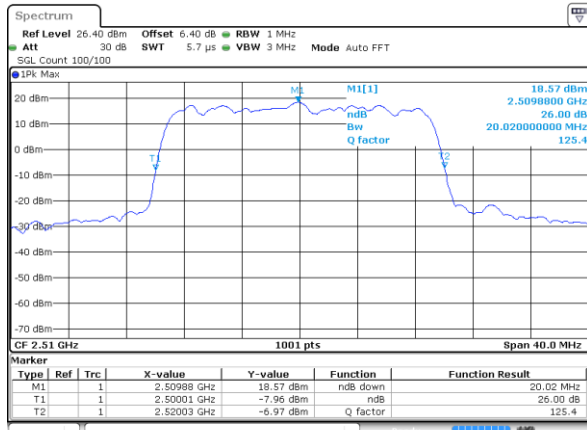
## Highest Channel / 15MHz / 16QAM



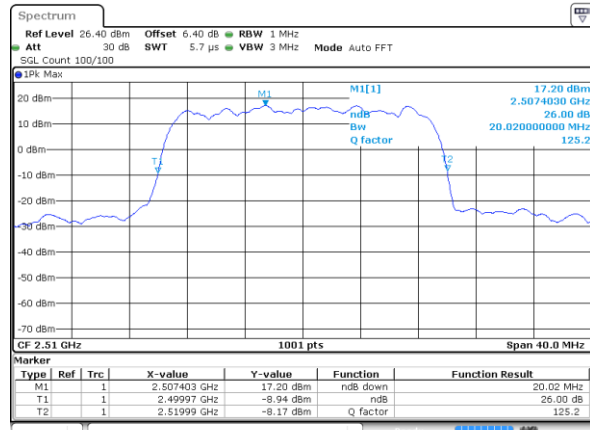


## LTE Band 7

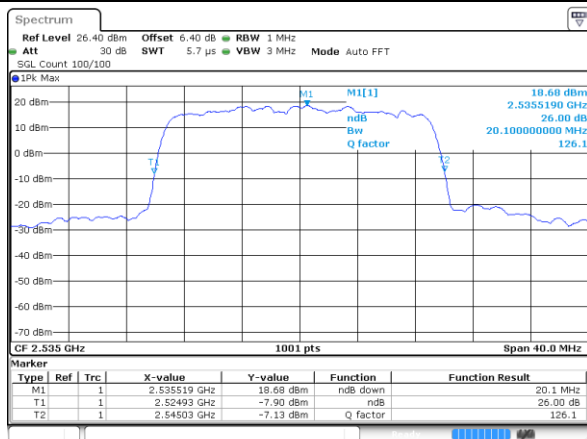
## Lowest Channel / 20MHz / QPSK



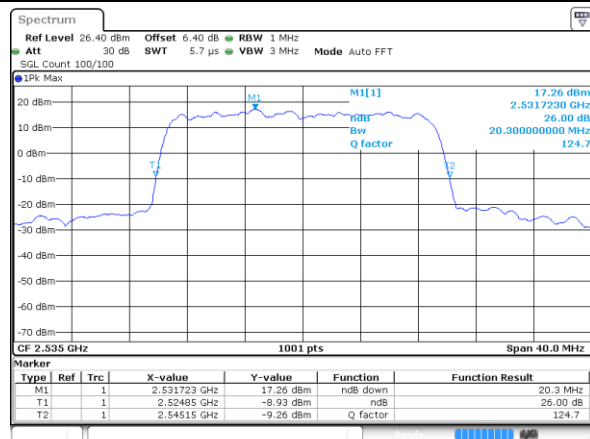
## Lowest Channel / 20MHz / 16QAM



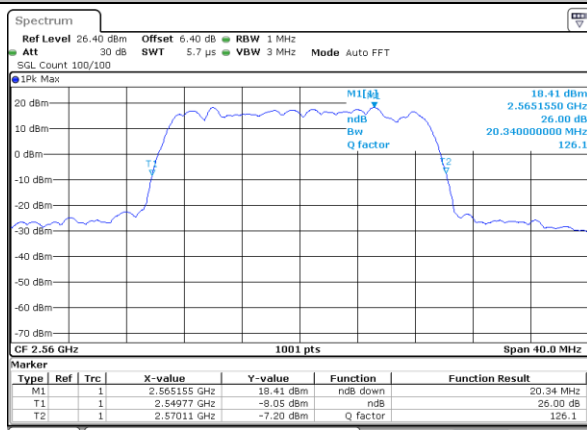
## Middle Channel / 20MHz / QPSK



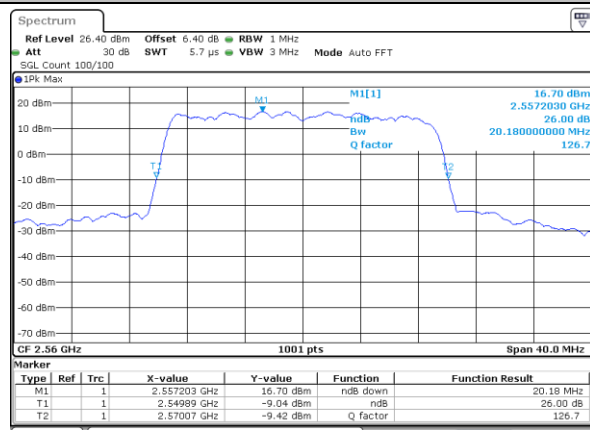
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



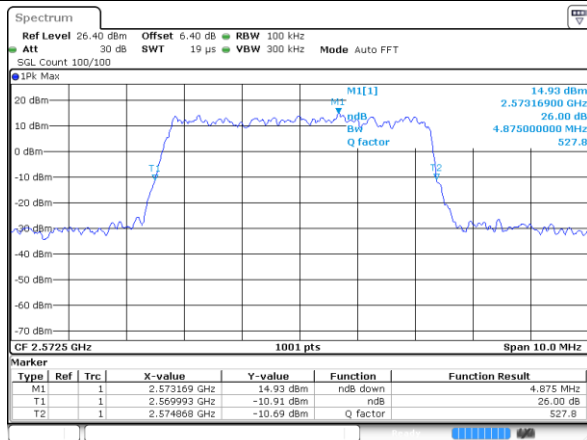
## Highest Channel / 20MHz / 16QAM





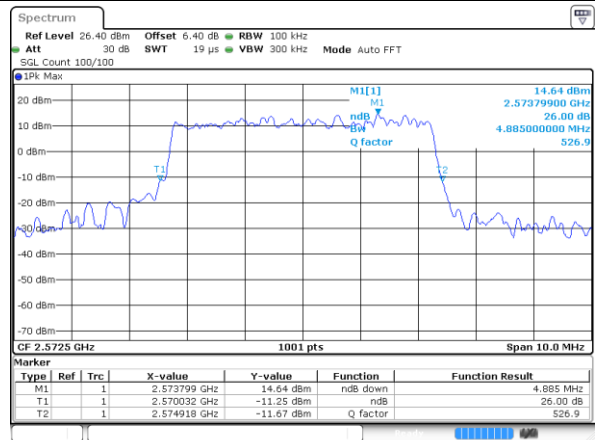
## LTE Band 38

## Lowest Channel / 5MHz / QPSK



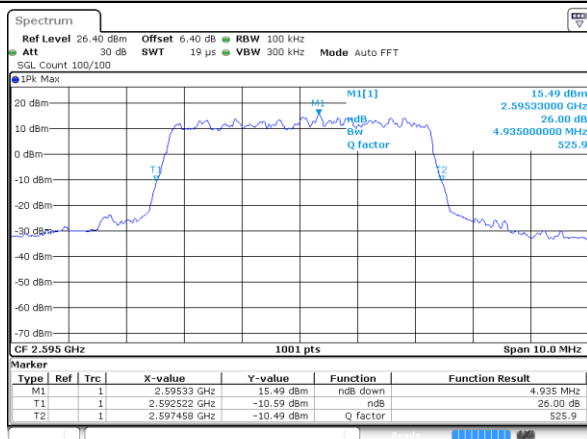
Date: 2 JUN 2019 07:25:42

## Lowest Channel / 5MHz / 16QAM



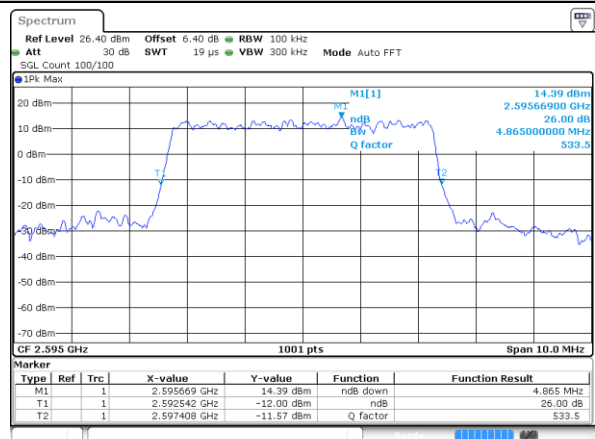
Date: 2 JUN 2019 07:25:52

## Middle Channel / 5MHz / QPSK



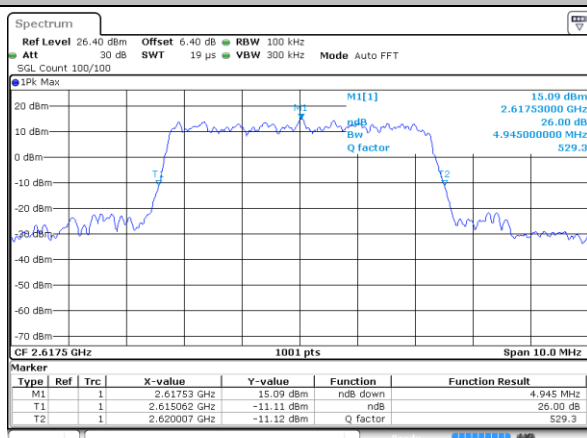
Date: 2 JUN 2019 07:26:22

## Middle Channel / 5MHz / 16QAM



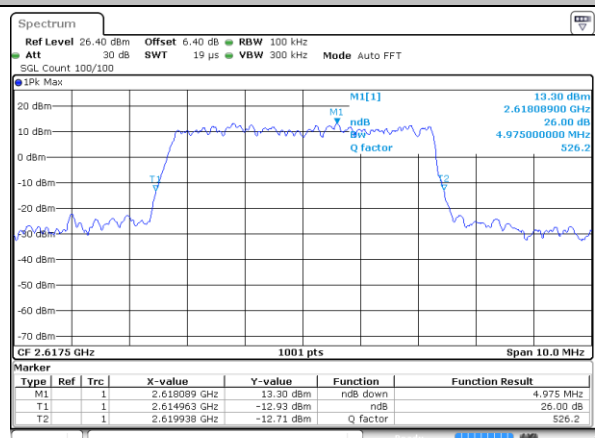
Date: 2 JUN 2019 07:26:32

## Highest Channel / 5MHz / QPSK



Date: 2 JUN 2019 07:27:02

## Highest Channel / 5MHz / 16QAM

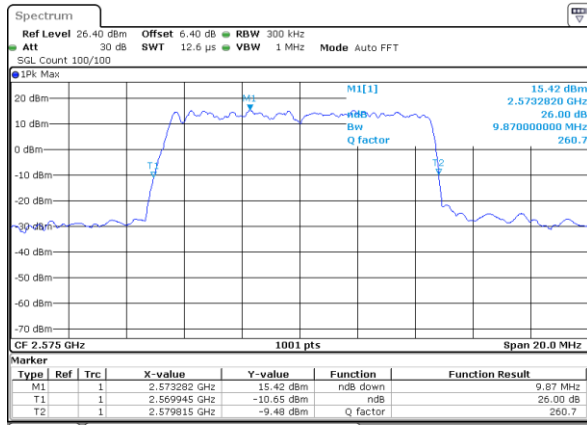


Date: 2 JUN 2019 07:27:12

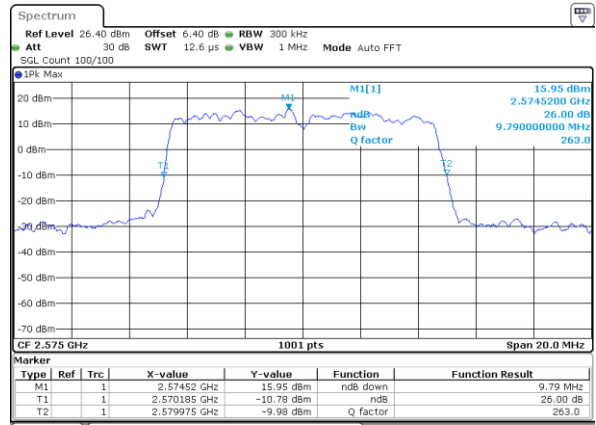


## LTE Band 38

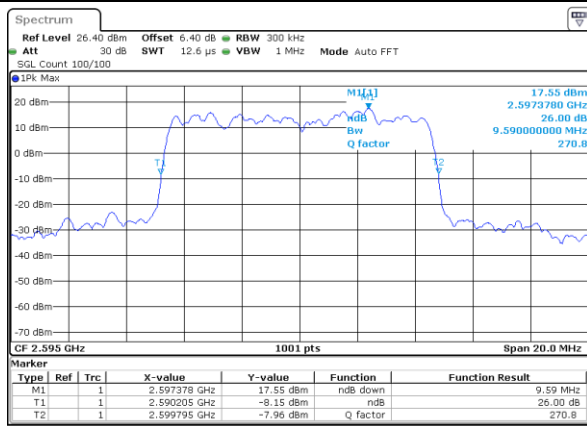
## Lowest Channel / 10MHz / QPSK



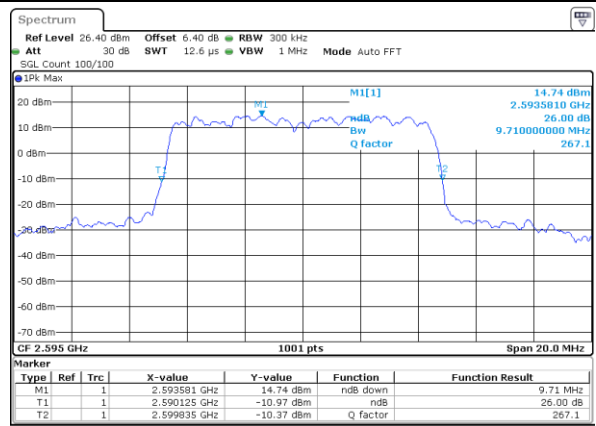
## Lowest Channel / 10MHz / 16QAM



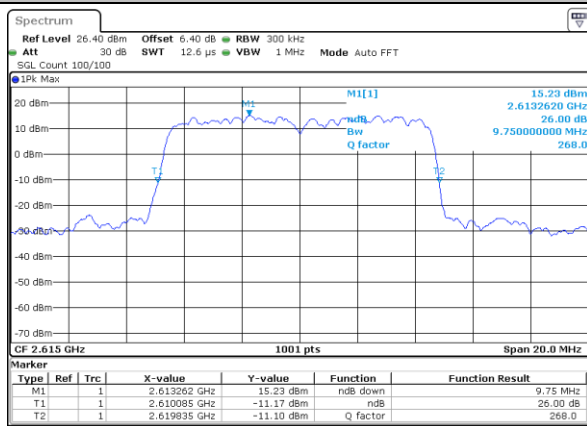
## Middle Channel / 10MHz / QPSK



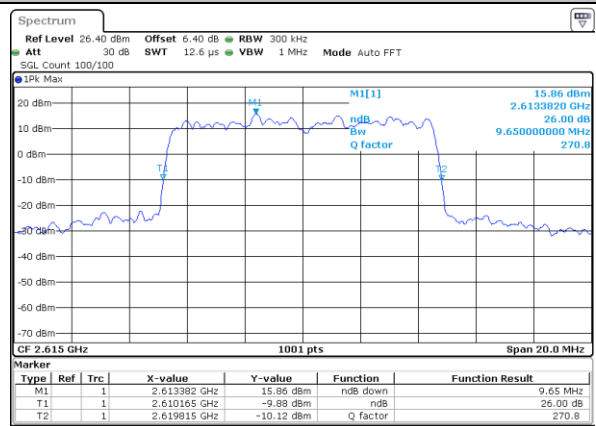
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



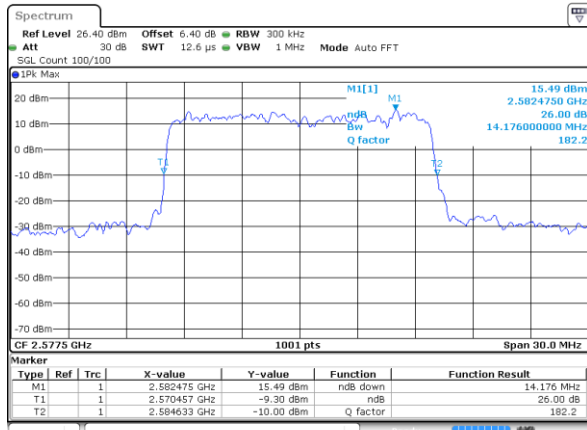
## Highest Channel / 10MHz / 16QAM





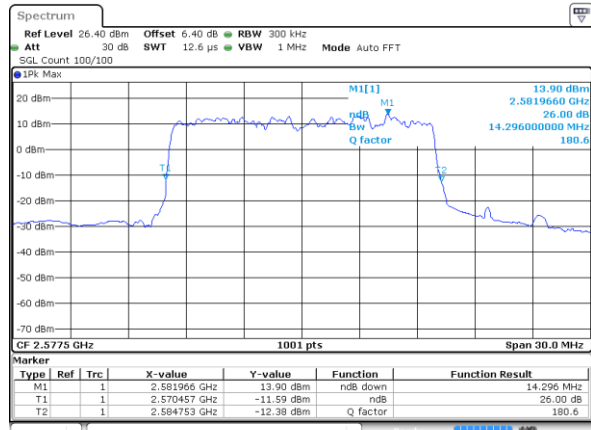
## LTE Band 38

## Lowest Channel / 15MHz / QPSK



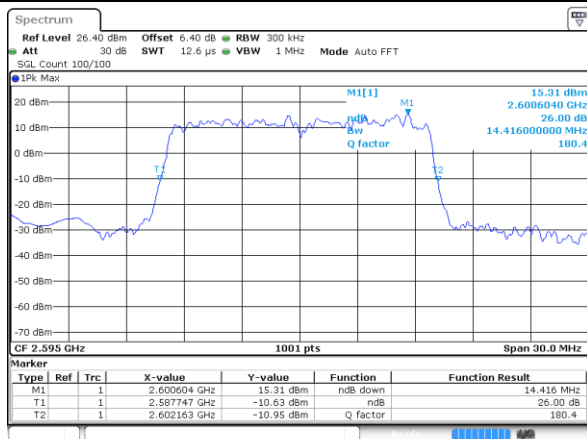
Date: 2 JUN 2019 07:30:36

## Lowest Channel / 15MHz / 16QAM



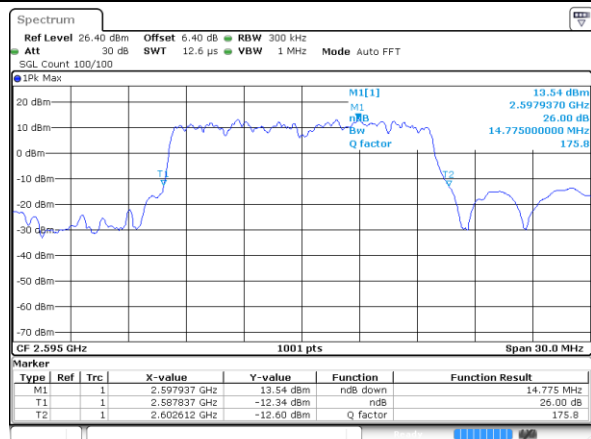
Date: 2 JUN 2019 07:30:46

## Middle Channel / 15MHz / QPSK



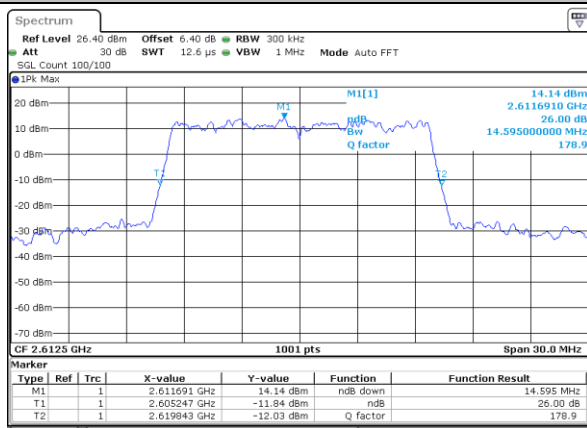
Date: 2 JUN 2019 07:31:16

## Middle Channel / 15MHz / 16QAM



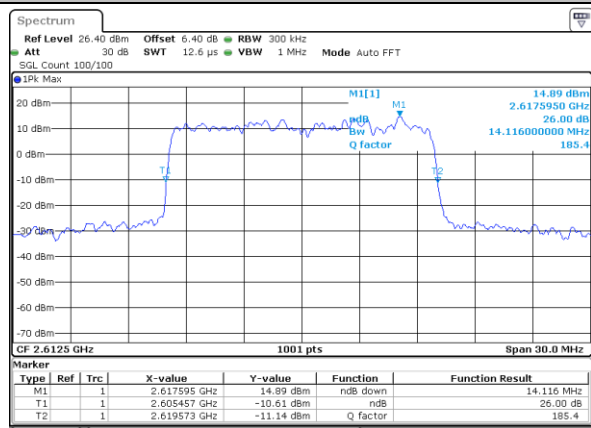
Date: 2 JUN 2019 07:31:26

## Highest Channel / 15MHz / QPSK



Date: 2 JUN 2019 07:31:57

## Highest Channel / 15MHz / 16QAM

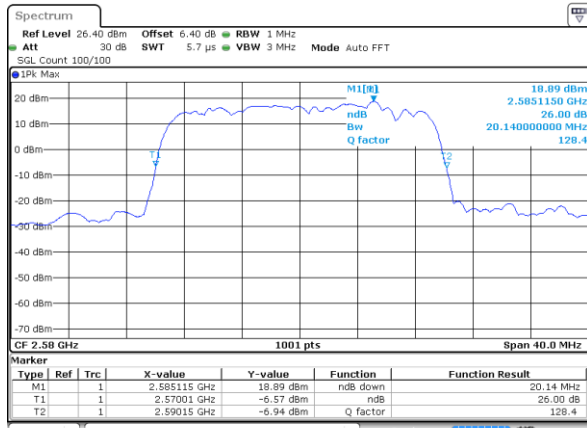


Date: 2 JUN 2019 07:32:07

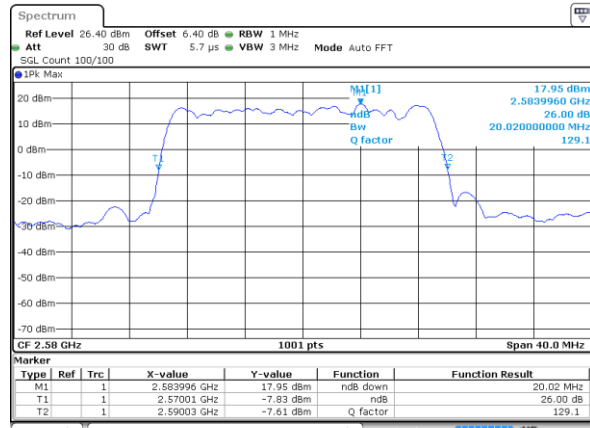


## LTE Band 38

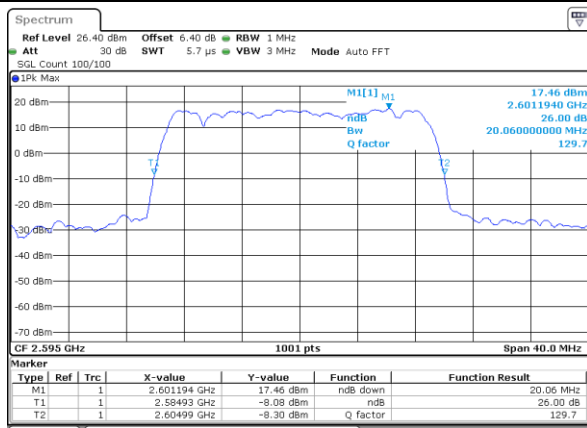
## Lowest Channel / 20MHz / QPSK



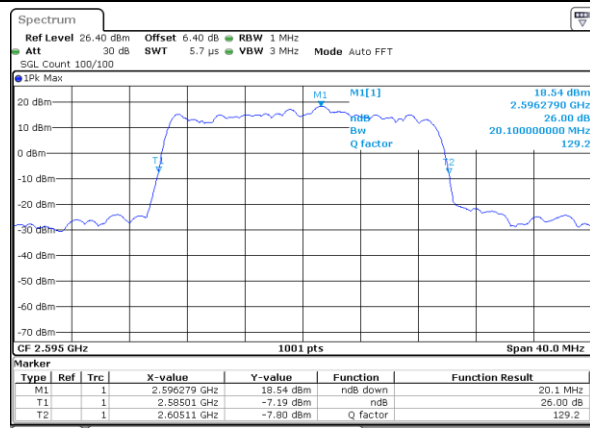
## Lowest Channel / 20MHz / 16QAM



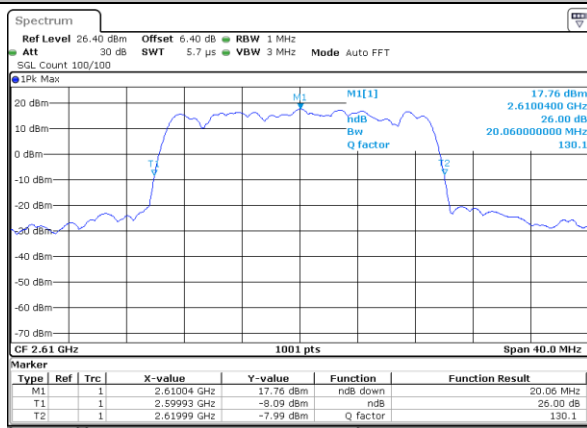
## Middle Channel / 20MHz / QPSK



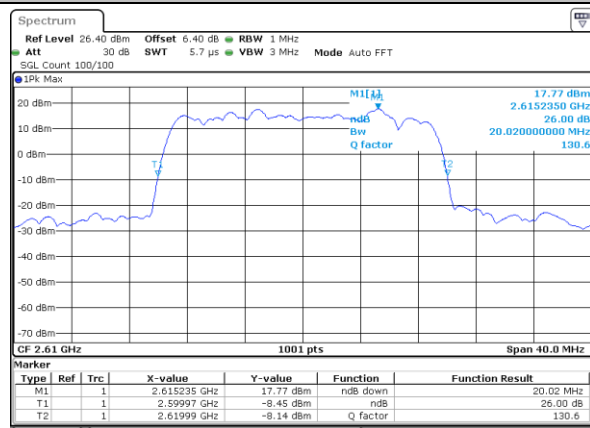
## Middle Channel / 20MHz / 16QAM



## 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  | 2.70 | 2.72  | 4.51 | 4.50  | 9.09  | 9.03  | 13.37 | 13.46 | 18.34 | 18.34 |
| Middle CH  | 1.09                     | 1.10  | 2.72 | 2.74  | 4.48 | 4.47  | 9.01  | 9.01  | 13.40 | 13.43 | 18.22 | 18.22 |
| Highest CH | 1.10                     | 1.09  | 2.72 | 2.70  | 4.51 | 4.47  | 8.97  | 8.97  | 13.40 | 13.40 | 18.34 | 18.30 |

| Mode       | LTE Band 4 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                     | 1.09  | 2.70 | 2.74  | 4.49 | 4.50  | 8.97  | 8.95  | 13.43 | 13.37 | 18.30 | 18.10 |
| Middle CH  | 1.09                     | 1.10  | 2.72 | 2.73  | 4.48 | 4.49  | 8.99  | 8.99  | 13.37 | 13.37 | 18.34 | 18.18 |
| Highest CH | 1.10                     | 1.10  | 2.72 | 2.71  | 4.49 | 4.47  | 9.03  | 8.97  | 13.40 | 13.43 | 18.30 | 18.26 |

| 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  | 2.72 | 2.75  | 4.50 | 4.50  | 9.01  | 8.99  |       |       |       |       |
| Middle CH  | 1.09                     | 1.09  | 2.72 | 2.74  | 4.51 | 4.50  | 9.05  | 8.99  |       |       |       |       |
| Highest CH | 1.10                     | 1.09  | 2.73 | 2.74  | 4.52 | 4.49  | 8.99  | 9.03  |       |       |       |       |

| Mode       | LTE Band 7 : 99%OBW(MHz) |       |       |       |       |       |       |       |  |  |  |  |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|
| BW         | 5MHz                     |       | 10MHz |       | 15MHz |       | 20MHz |       |  |  |  |  |
| Mod.       | QPSK                     | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |  |  |  |  |
| Lowest CH  | 4.49                     | 4.49  | 8.99  | 9.05  | 13.40 | 13.34 | 18.26 | 18.26 |  |  |  |  |
| Middle CH  | 4.52                     | 4.49  | 8.99  | 8.99  | 13.55 | 13.46 | 18.34 | 18.06 |  |  |  |  |
| Highest CH | 4.48                     | 4.50  | 9.01  | 9.01  | 13.43 | 13.40 | 18.22 | 18.38 |  |  |  |  |

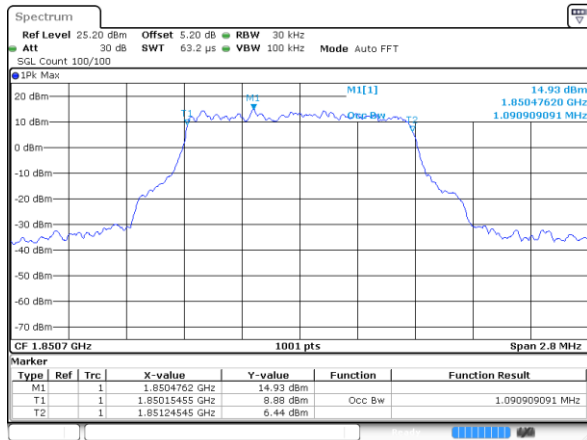


| Mode       | LTE Band 38 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  |                           |       |      |       | 4.51 | 4.49  | 9.03  | 8.95  | 13.40 | 13.43 | 18.30 | 18.10 |
| Middle CH  |                           |       |      |       | 4.49 | 4.49  | 8.95  | 8.97  | 13.43 | 13.43 | 18.42 | 18.18 |
| Highest CH |                           |       |      |       | 4.54 | 4.46  | 9.05  | 8.95  | 13.43 | 13.40 | 18.22 | 18.06 |



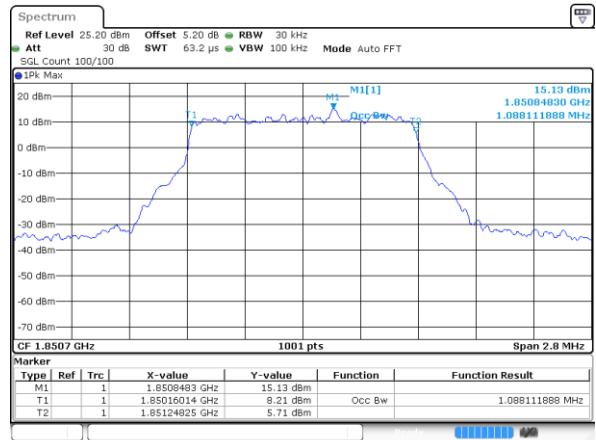
## LTE Band 2

## Lowest Channel / 1.4MHz / QPSK



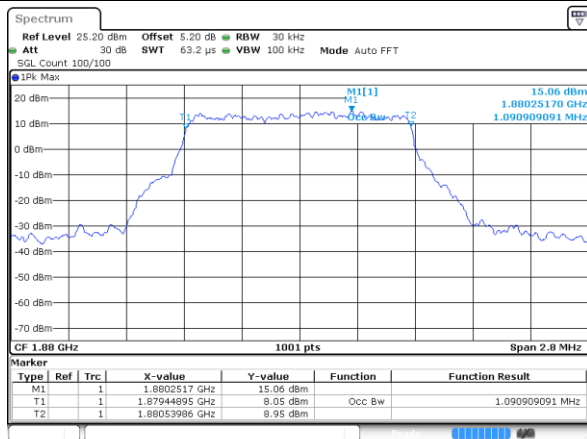
Date: 27 MAY 2019 22:39:22

## Lowest Channel / 1.4MHz / 16QAM



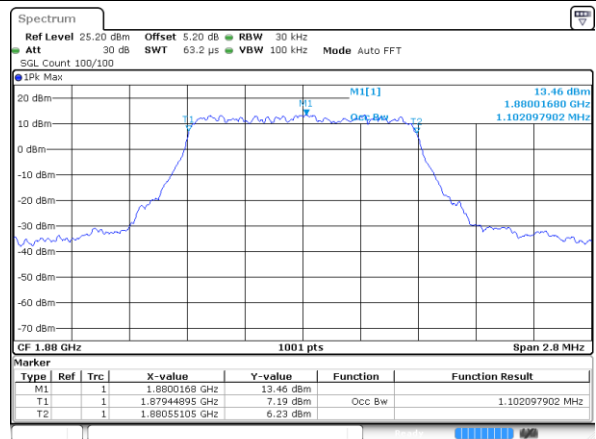
Date: 27 MAY 2019 22:39:33

## Middle Channel / 1.4MHz / QPSK



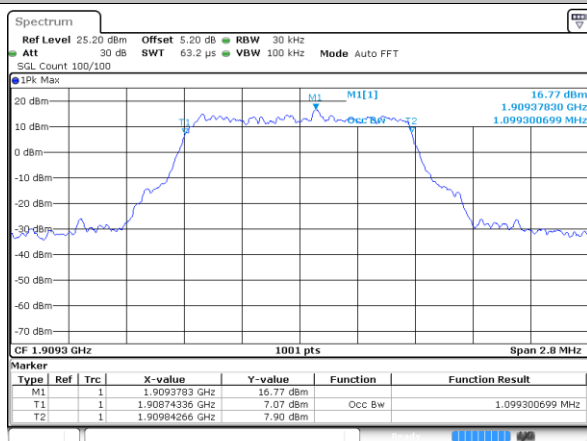
Date: 27 MAY 2019 22:48:11

## Middle Channel / 1.4MHz / 16QAM



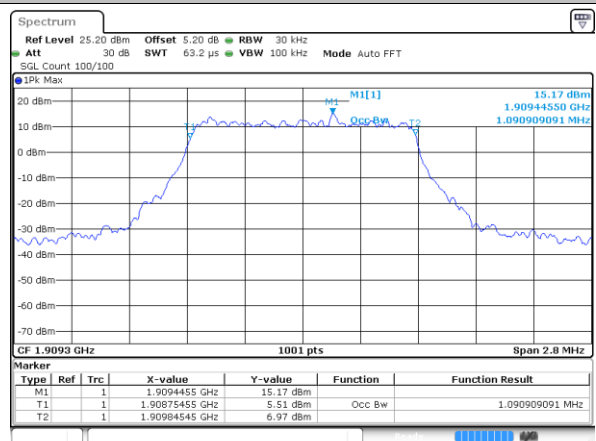
Date: 27 MAY 2019 22:48:21

## Highest Channel / 1.4MHz / QPSK



Date: 27 MAY 2019 22:50:41

## Highest Channel / 1.4MHz / 16QAM

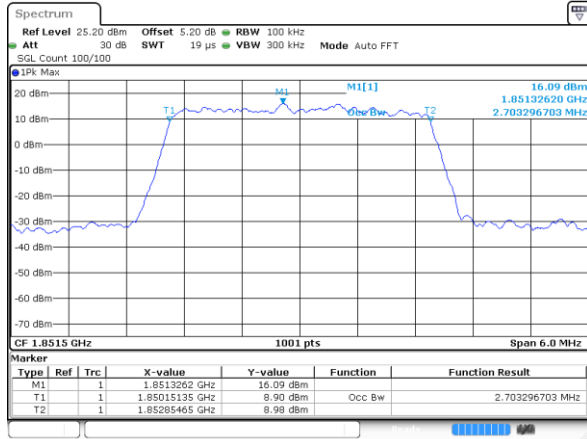


Date: 27 MAY 2019 22:50:51



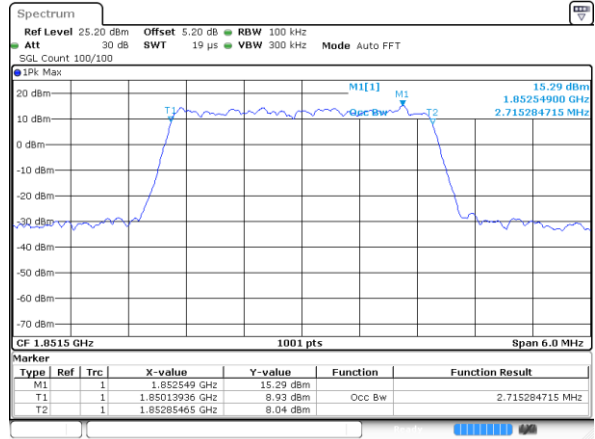
## LTE Band 2

## Lowest Channel / 3MHz / QPSK



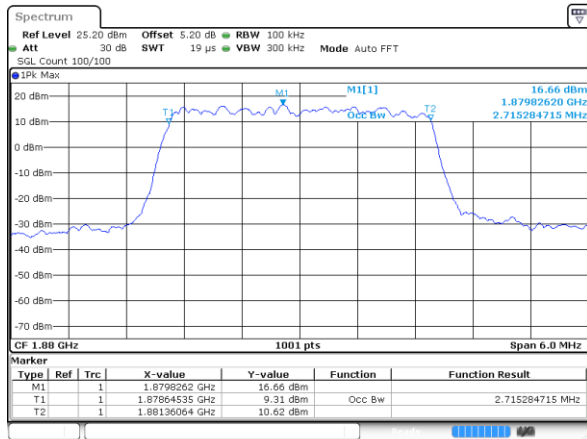
Date: 27 MAY 2019 22:57:40

## Lowest Channel / 3MHz / 16QAM



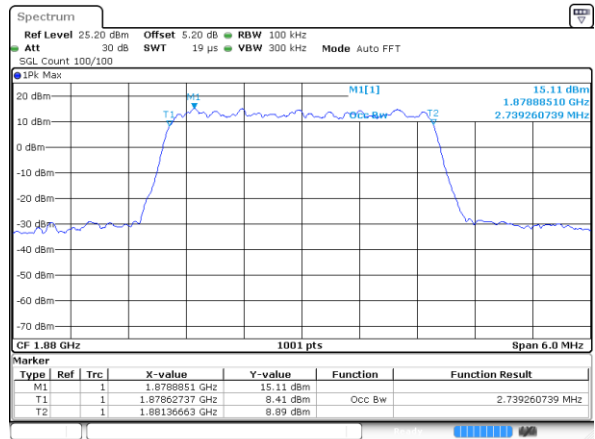
Date: 27 MAY 2019 22:57:50

## Middle Channel / 3MHz / QPSK



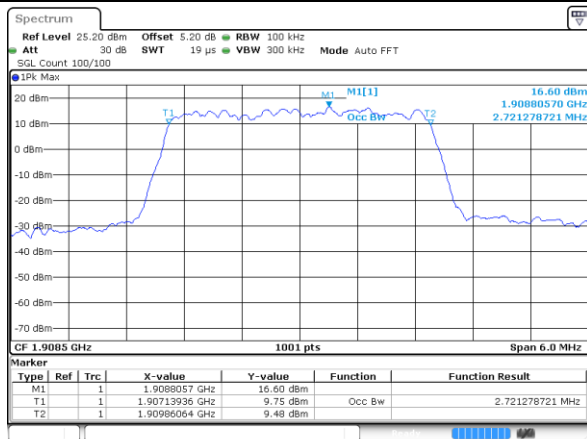
Date: 27 MAY 2019 23:04:40

## Middle Channel / 3MHz / 16QAM



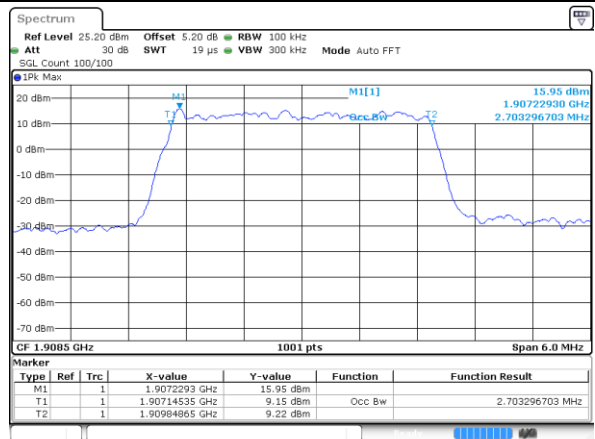
Date: 27 MAY 2019 23:04:50

## Highest Channel / 3MHz / QPSK



Date: 27 MAY 2019 23:07:10

## Highest Channel / 3MHz / 16QAM

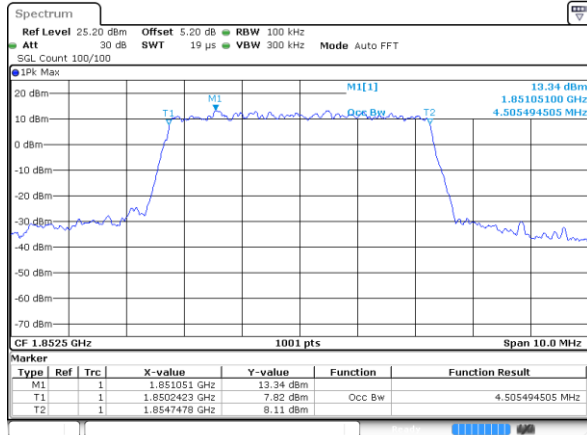


Date: 27 MAY 2019 23:07:20

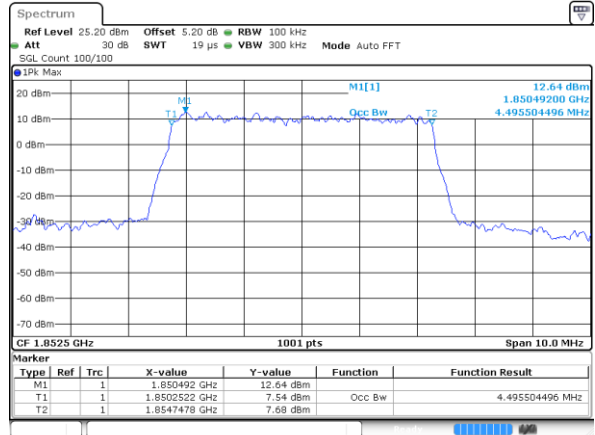


## LTE Band 2

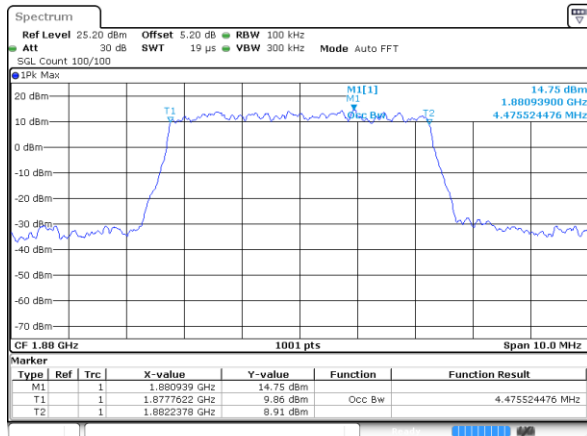
## Lowest Channel / 5MHz / QPSK



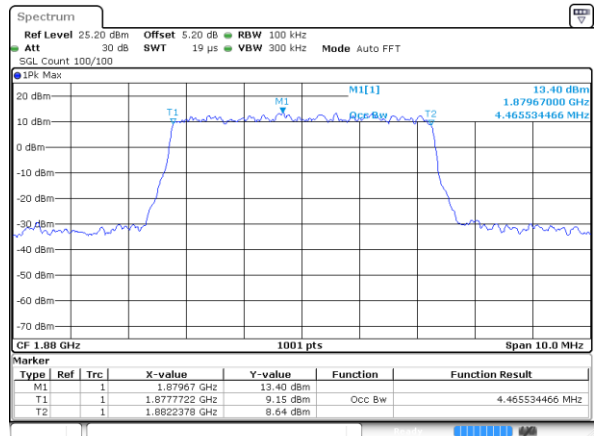
## Lowest Channel / 5MHz / 16QAM



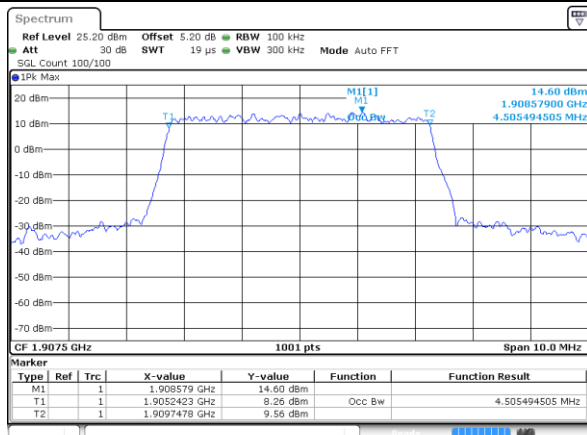
## Middle Channel / 5MHz / QPSK



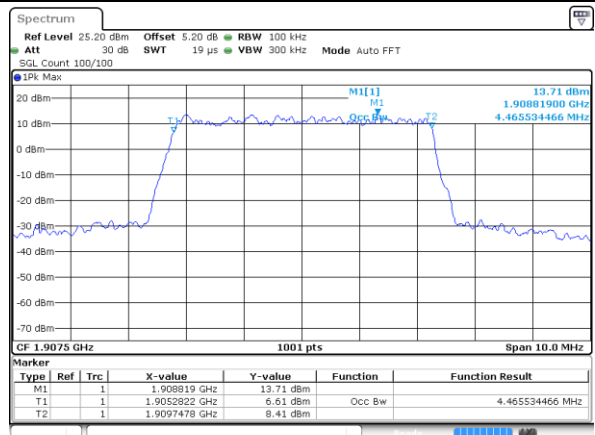
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



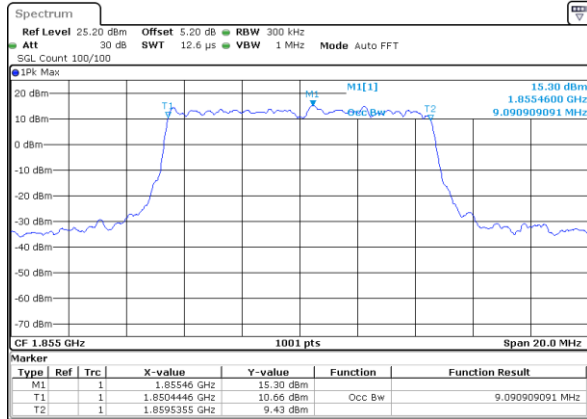
## Highest Channel / 5MHz / 16QAM





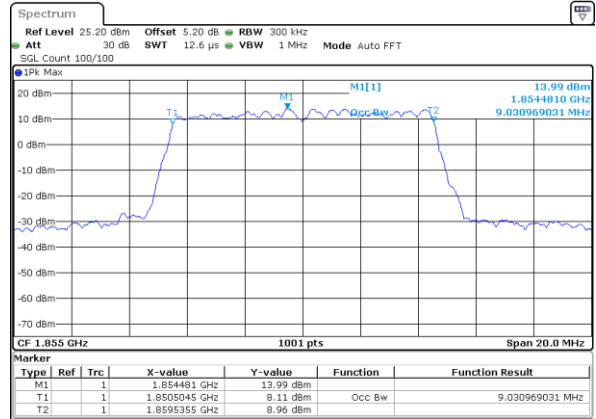
## LTE Band 2

## Lowest Channel / 10MHz / QPSK



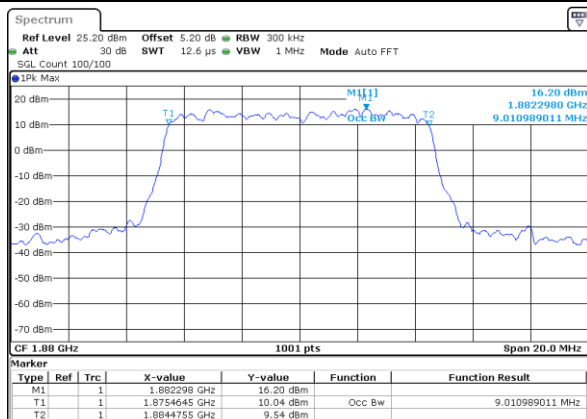
Date: 27 MAY 2019 23:30:39

## Lowest Channel / 10MHz / 16QAM



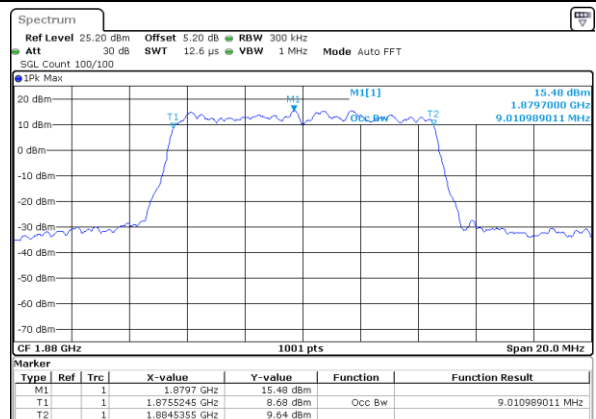
Date: 27 MAY 2019 23:30:49

## Middle Channel / 10MHz / QPSK



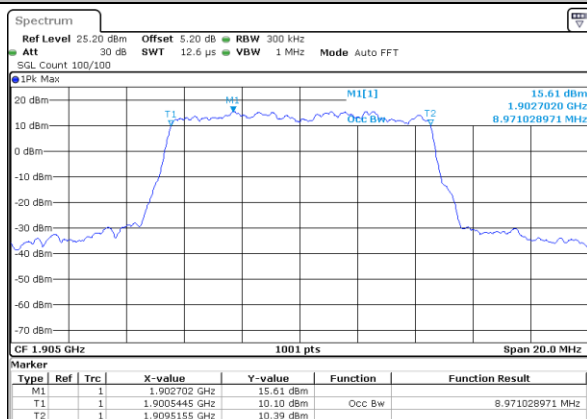
Date: 27 MAY 2019 23:37:38

## Middle Channel / 10MHz / 16QAM



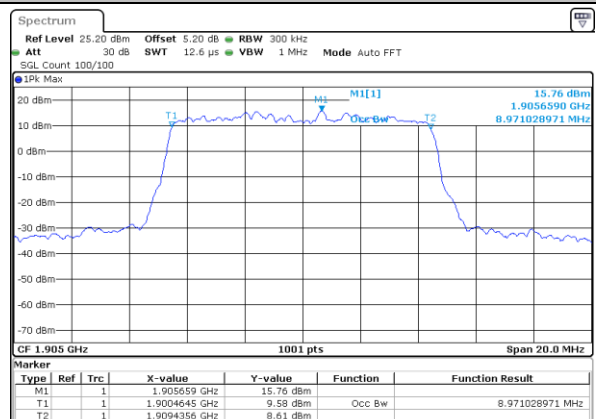
Date: 27 MAY 2019 23:37:48

## Highest Channel / 10MHz / QPSK



Date: 27 MAY 2019 23:40:08

## Highest Channel / 10MHz / 16QAM

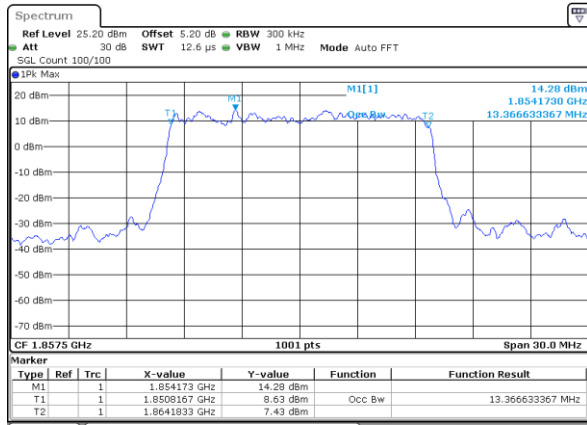


Date: 27 MAY 2019 23:40:18

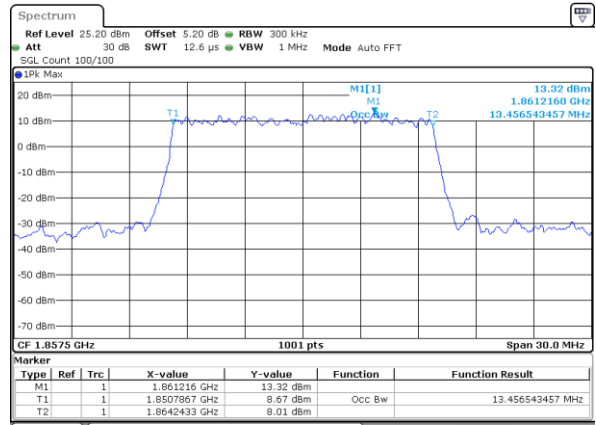


## LTE Band 2

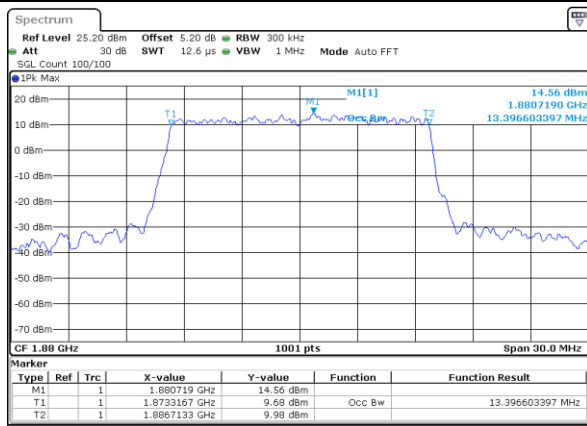
## Lowest Channel / 15MHz / QPSK



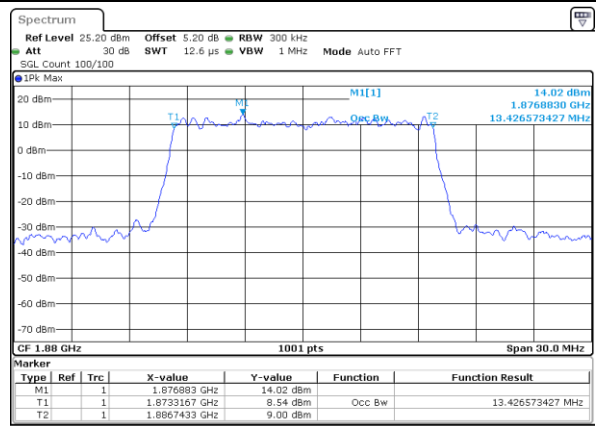
## Lowest Channel / 15MHz / 16QAM



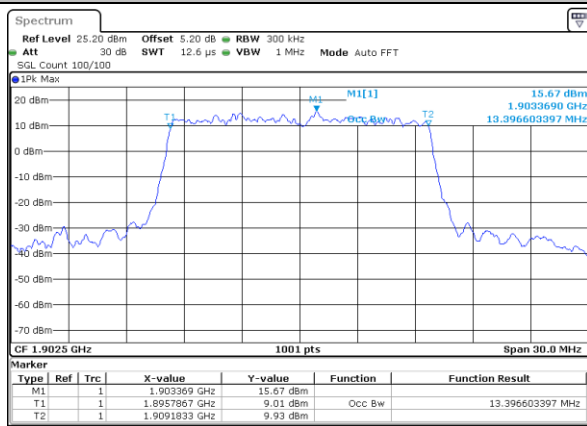
## Middle Channel / 15MHz / QPSK



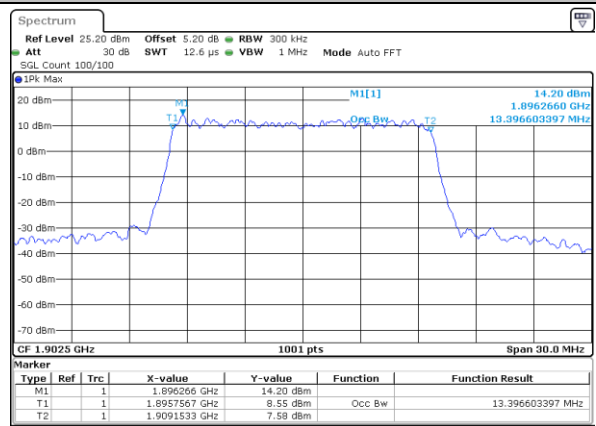
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



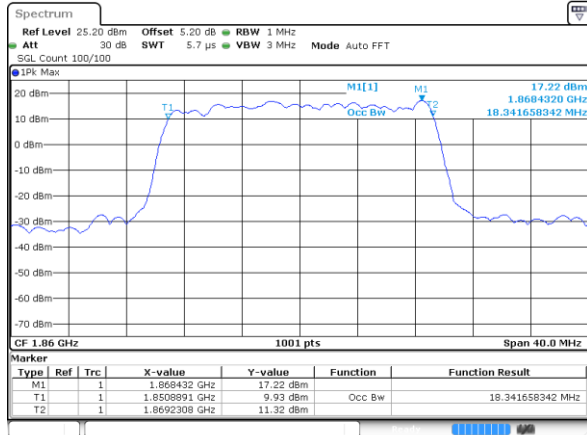
## Highest Channel / 15MHz / 16QAM



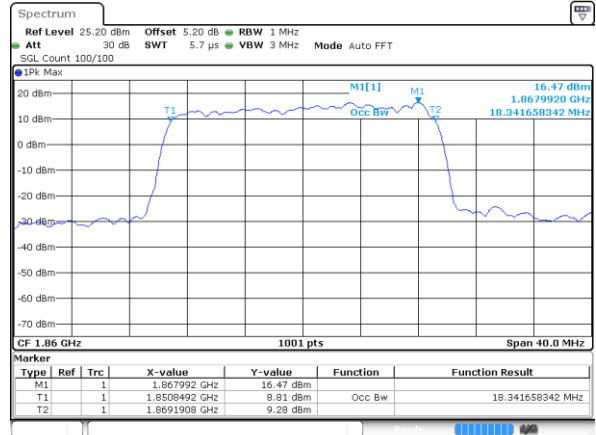


## LTE Band 2

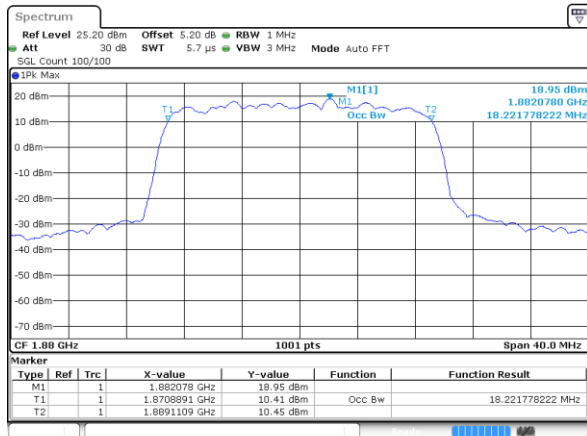
## Lowest Channel / 20MHz / QPSK



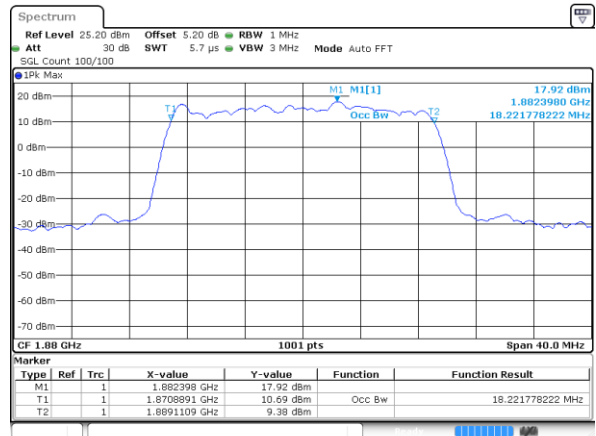
## Lowest Channel / 20MHz / 16QAM



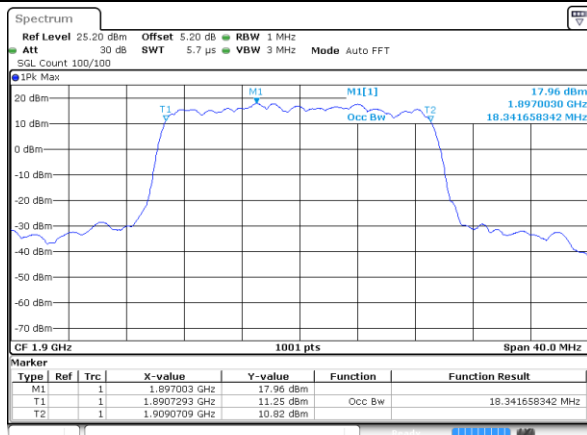
## Middle Channel / 20MHz / QPSK



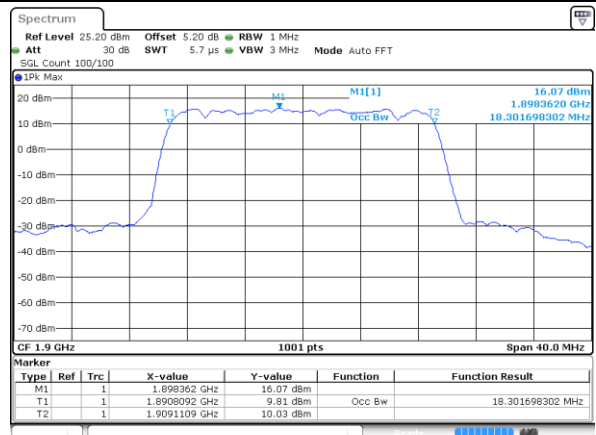
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



## Highest Channel / 20MHz / 16QAM



## LTE Band 4