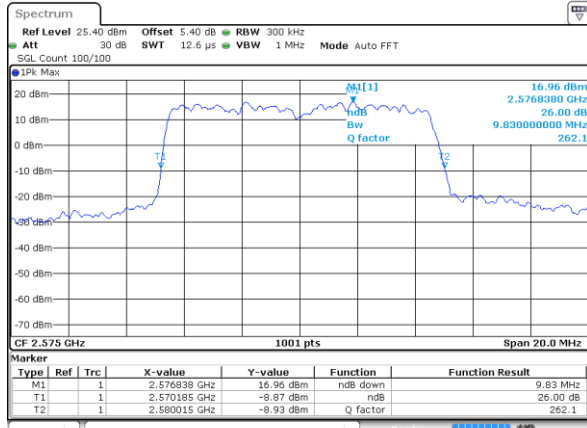




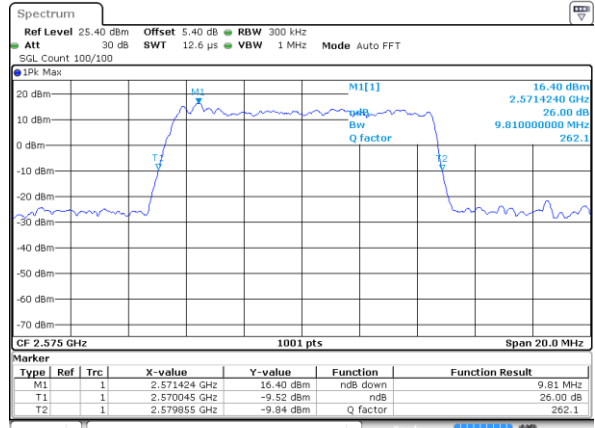
## LTE Band 38

## Lowest Channel / 10MHz / QPSK



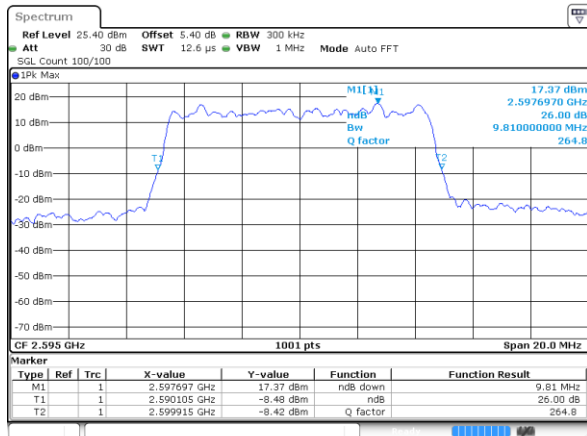
Date: 4 JAN 2018 08:58:31

## Lowest Channel / 10MHz / 16QAM



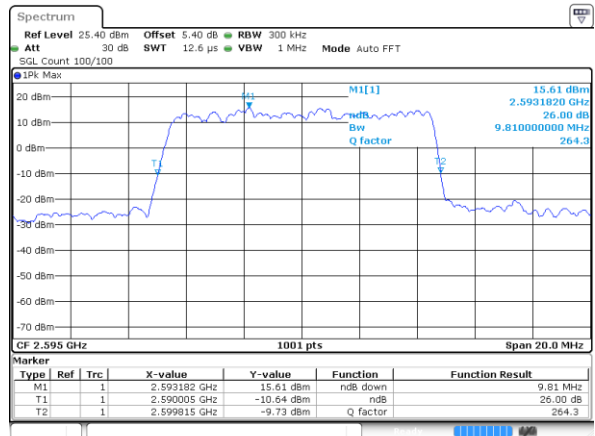
Date: 4 JAN 2018 09:01:05

## Middle Channel / 10MHz / QPSK



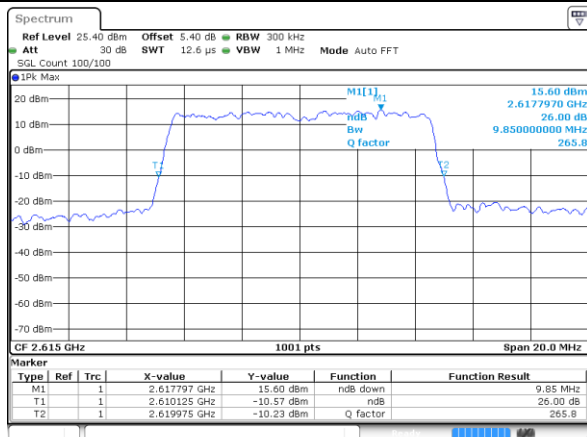
Date: 4 JAN 2018 08:59:05

## Middle Channel / 10MHz / 16QAM



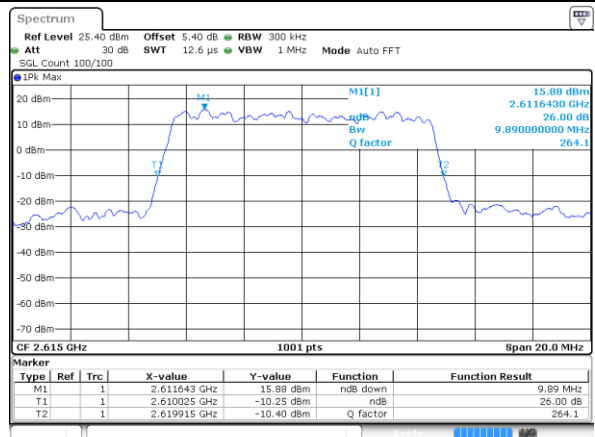
Date: 4 JAN 2018 09:00:42

## Highest Channel / 10MHz / QPSK



Date: 4 JAN 2018 08:59:57

## Highest Channel / 10MHz / 16QAM

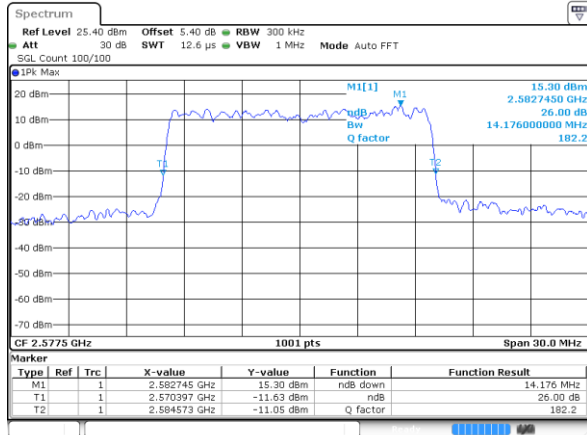


Date: 4 JAN 2018 09:00:20

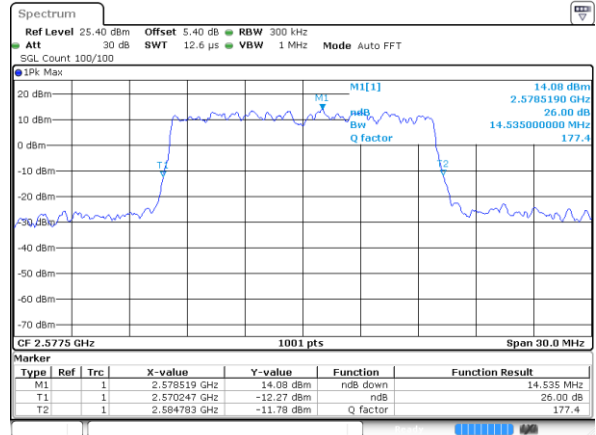


## LTE Band 38

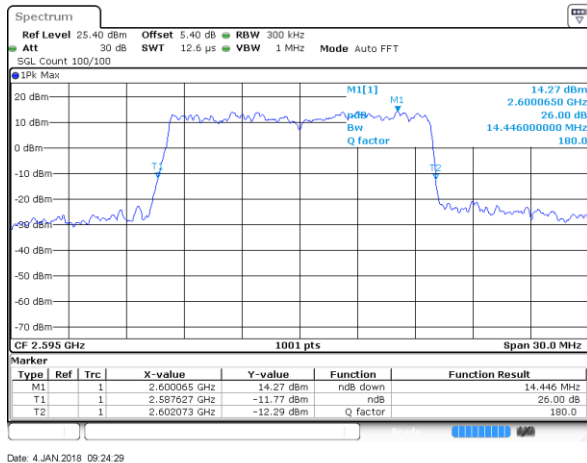
## Lowest Channel / 15MHz / QPSK



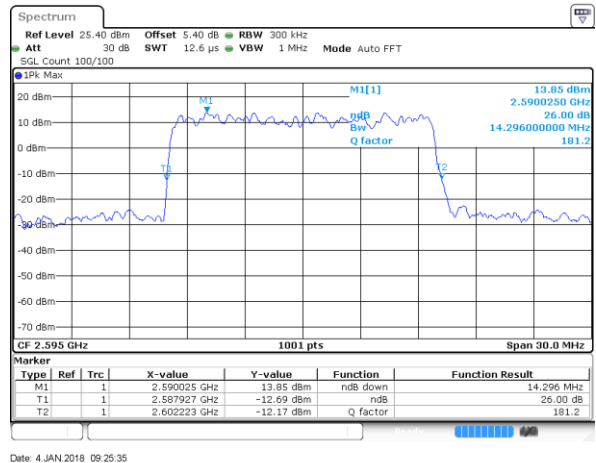
## Lowest Channel / 15MHz / 16QAM



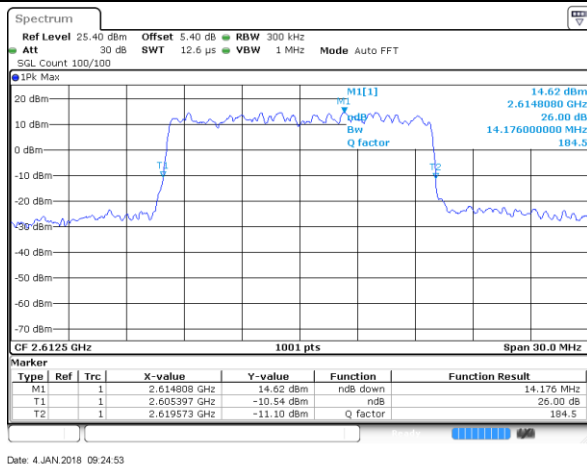
## Middle Channel / 15MHz / QPSK



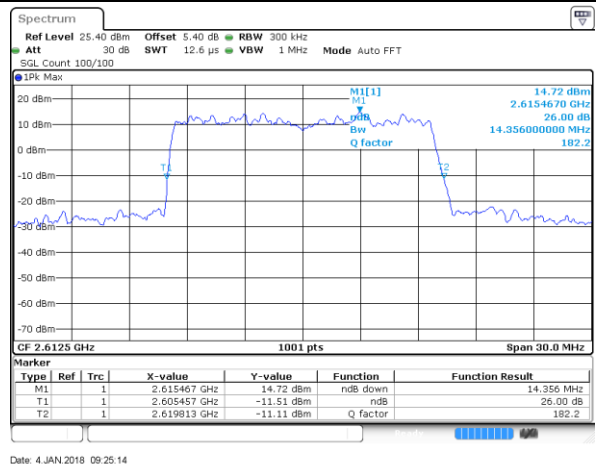
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



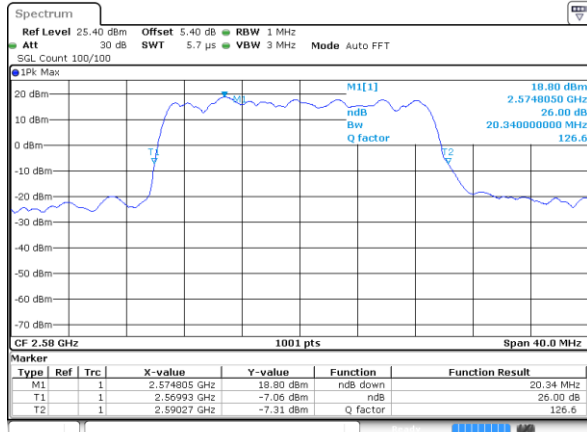
## Highest Channel / 15MHz / 16QAM





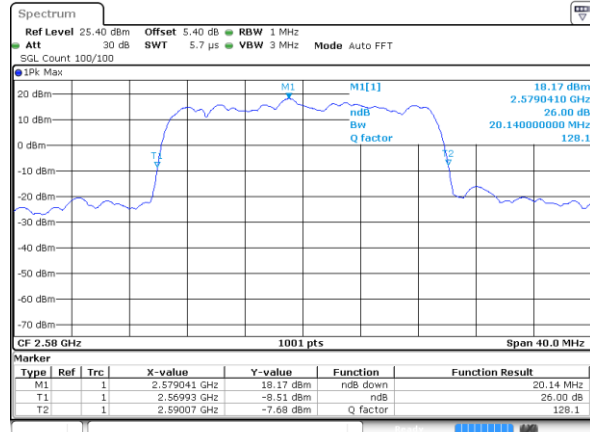
## LTE Band 38

## Lowest Channel / 20MHz / QPSK



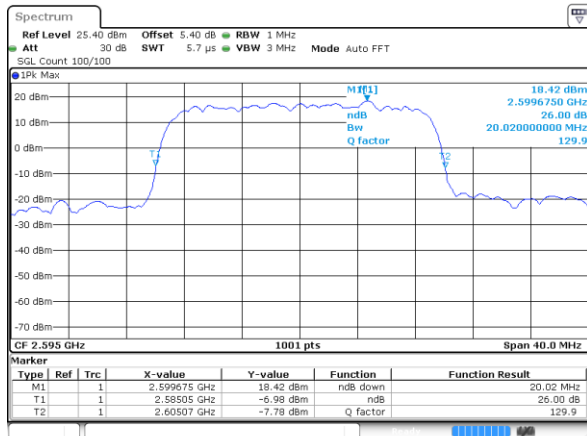
Date: 4 JAN 2018 09:54:34

## Lowest Channel / 20MHz / 16QAM



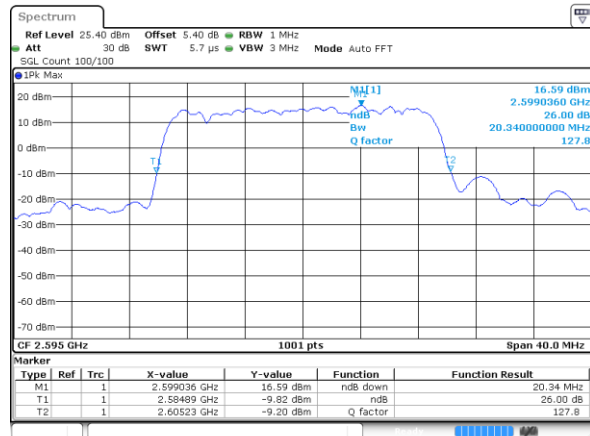
Date: 4 JAN 2018 09:55:44

## Middle Channel / 20MHz / QPSK



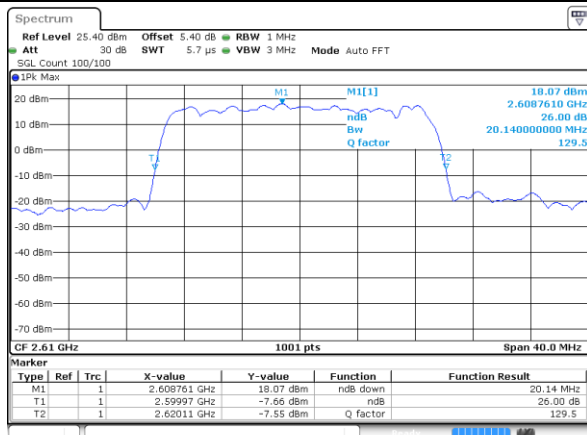
Date: 4 JAN 2018 09:54:55

## Middle Channel / 20MHz / 16QAM



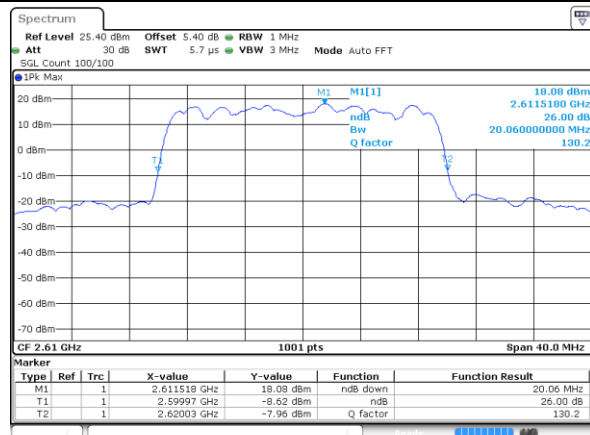
Date: 4 JAN 2018 09:56:04

## Highest Channel / 20MHz / QPSK



Date: 4 JAN 2018 09:55:18

## Highest Channel / 20MHz / 16QAM

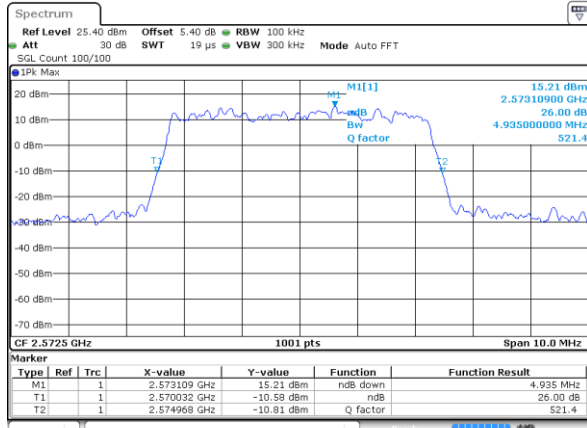


Date: 4 JAN 2018 09:56:28



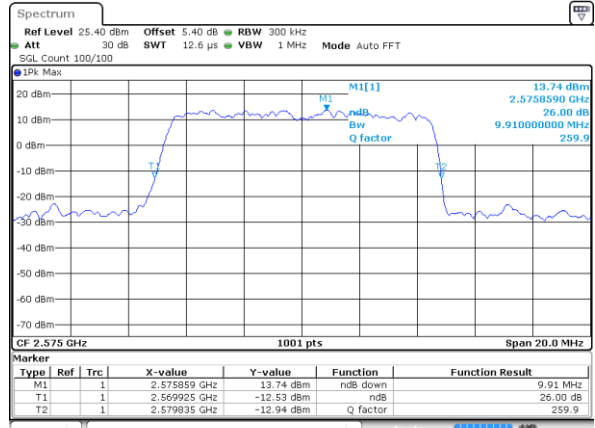
## LTE Band 38

## Lowest Channel / 5MHz / 64QAM



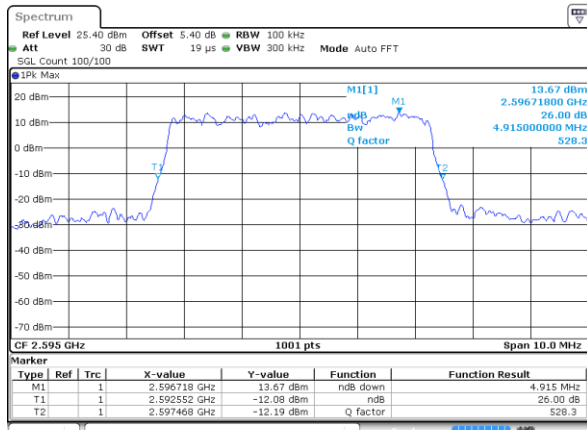
Date: 4 JAN 2018 10:32:59

## Lowest Channel / 10MHz / 64QAM



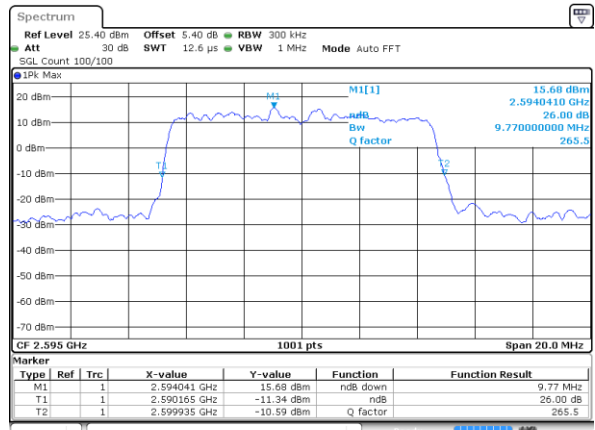
Date: 4 JAN 2018 12:37:19

## Middle Channel / 5MHz / 64QAM



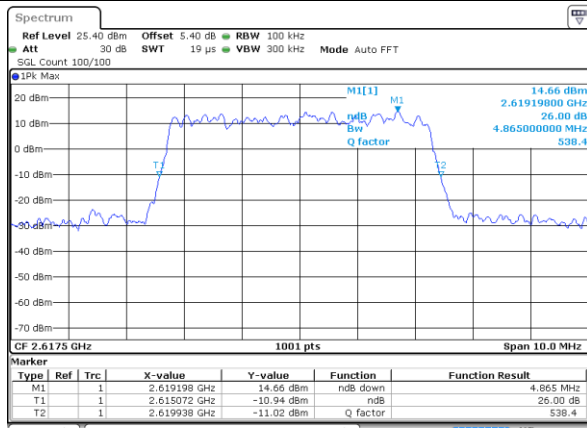
Date: 4 JAN 2018 10:33:24

## Middle Channel / 10MHz / 64QAM



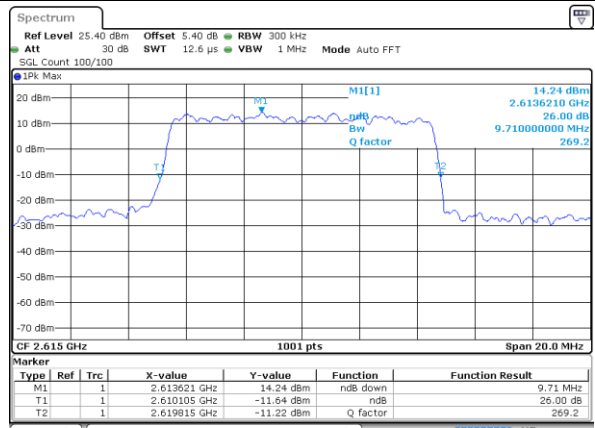
Date: 4 JAN 2018 12:37:43

## Highest Channel / 5MHz / 64QAM



Date: 4 JAN 2018 10:33:48

## Highest Channel / 10MHz / 64QAM

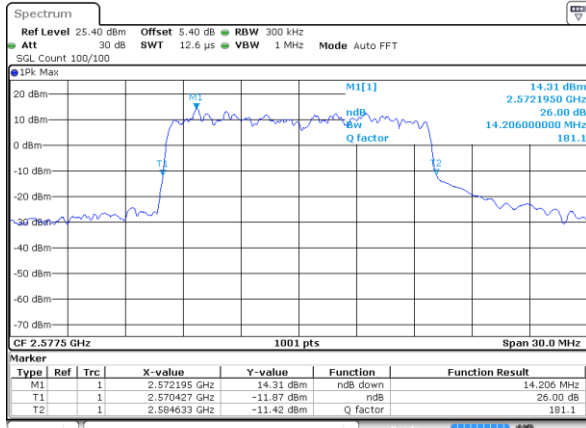


Date: 4 JAN 2018 12:38:03



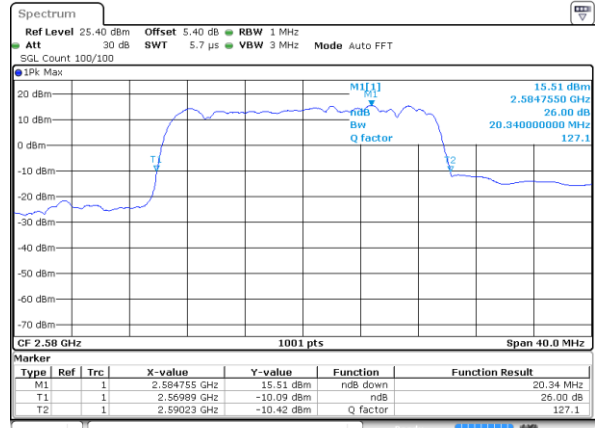
## LTE Band 38

## Lowest Channel / 15MHz / 64QAM



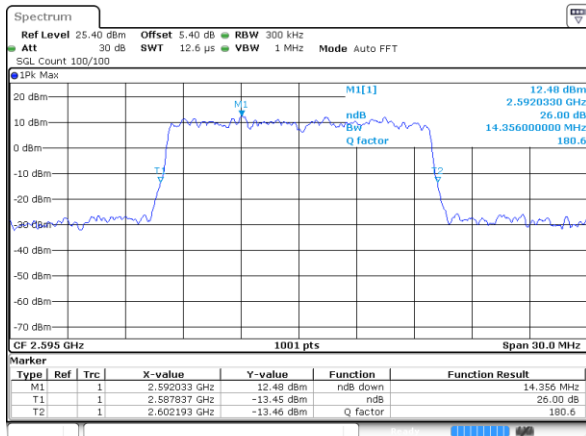
Date: 4 JAN 2018 13:00:33

## Lowest Channel / 20MHz / 64QAM



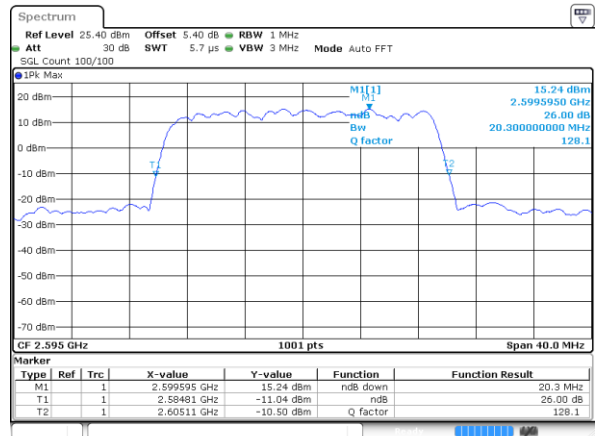
Date: 4 JAN 2018 13:17:29

## Middle Channel / 15MHz / 64QAM



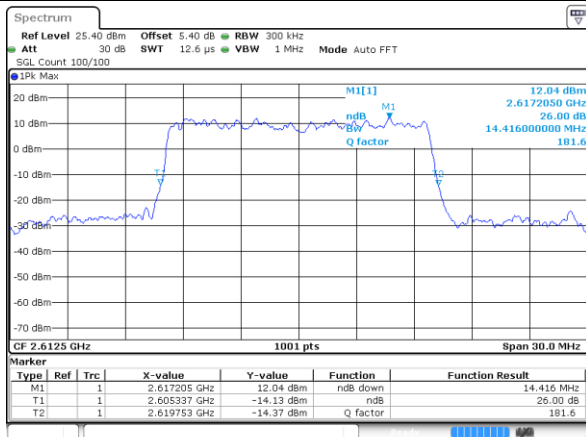
Date: 4 JAN 2018 13:00:56

## Middle Channel /20MHz / 64QAM



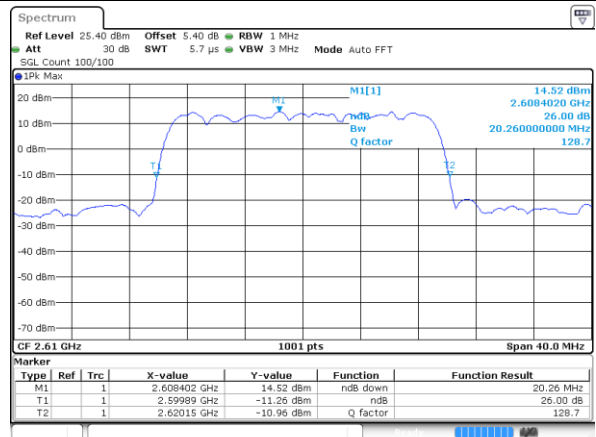
Date: 4 JAN 2018 13:18:00

## Highest Channel /15MHz / 64QAM



Date: 4 JAN 2018 13:01:24

## Highest Channel /20MHz / 64QAM

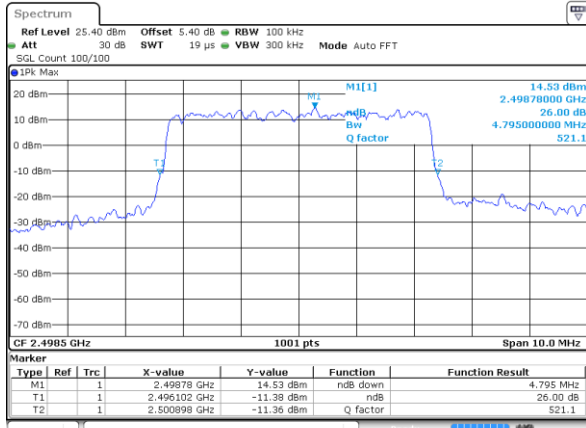


Date: 4 JAN 2018 13:18:44



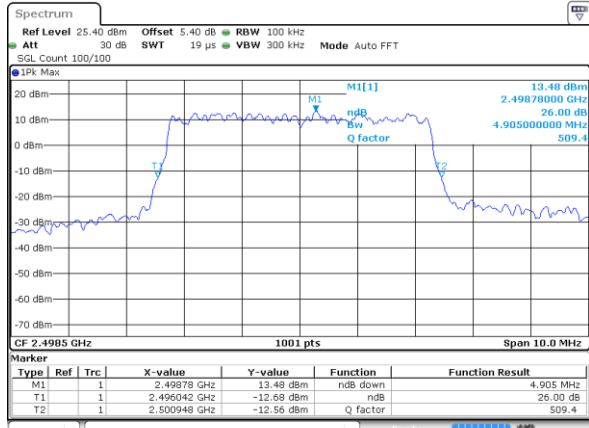
## LTE Band 41

## Lowest Channel / 5MHz / QPSK



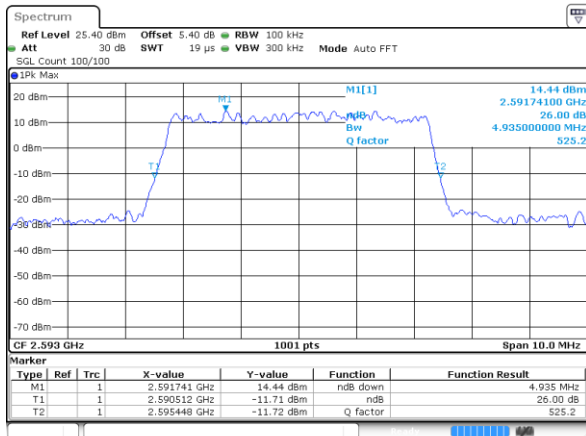
Date: 4 JAN 2018 18:43:24

## Lowest Channel / 5MHz / 16QAM



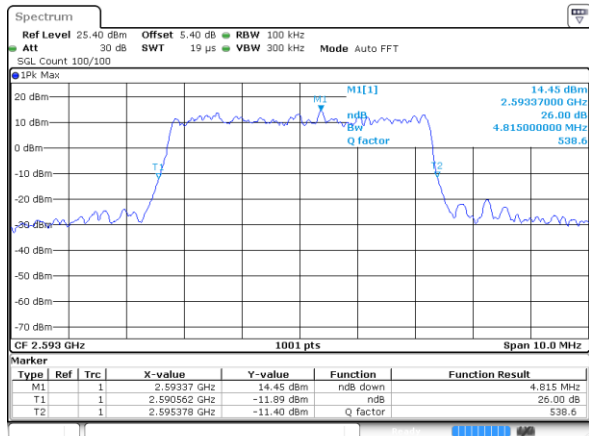
Date: 4 JAN 2018 18:27:39

## Middle Channel / 5MHz / QPSK



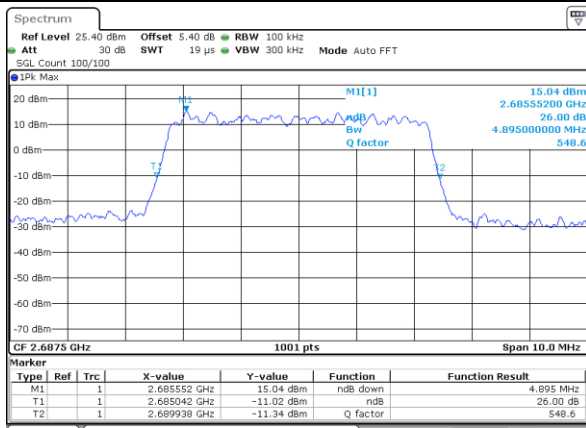
Date: 4 JAN 2018 18:43:40

## Middle Channel / 5MHz / 16QAM



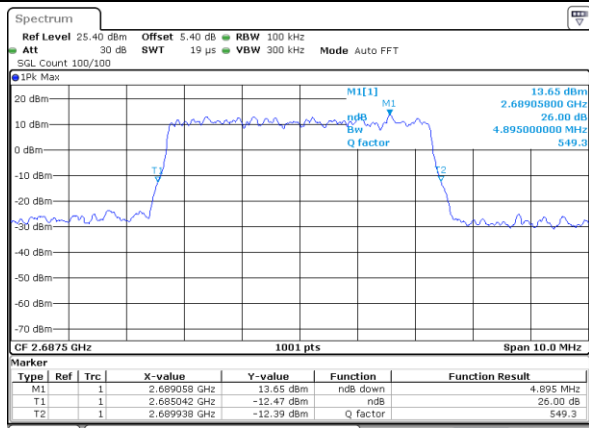
Date: 4 JAN 2018 18:28:21

## Highest Channel / 5MHz / QPSK



Date: 4 JAN 2018 18:30:00

## Highest Channel / 5MHz / 16QAM

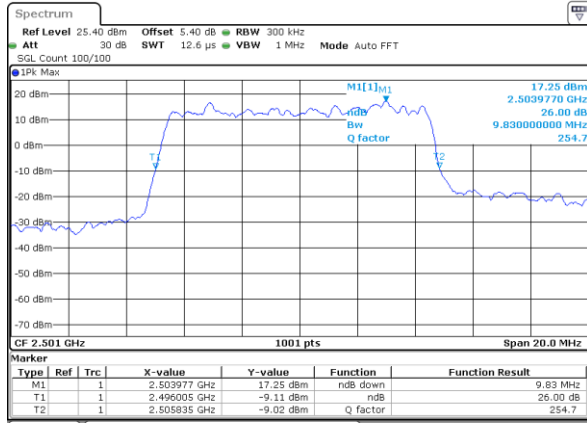


Date: 4 JAN 2018 18:37:19

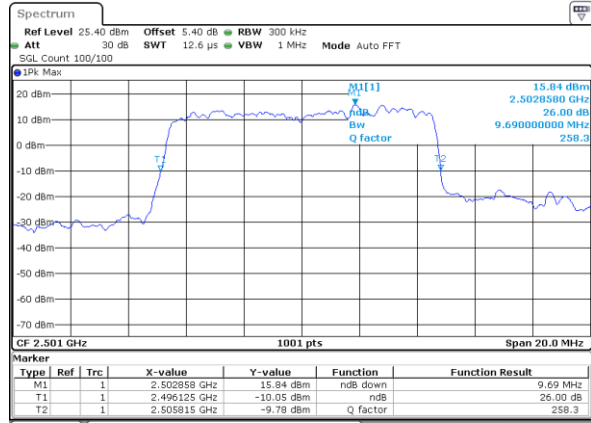


## LTE Band 41

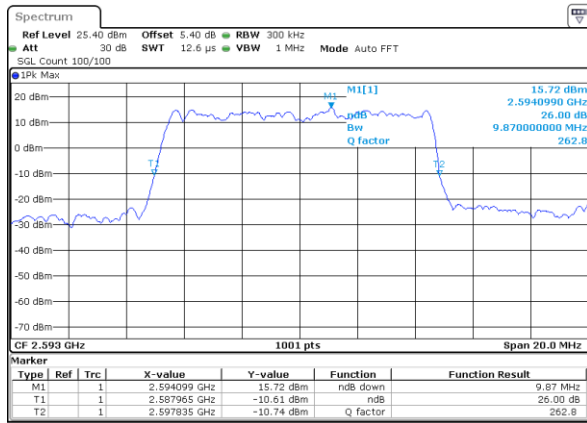
## Lowest Channel / 10MHz / QPSK



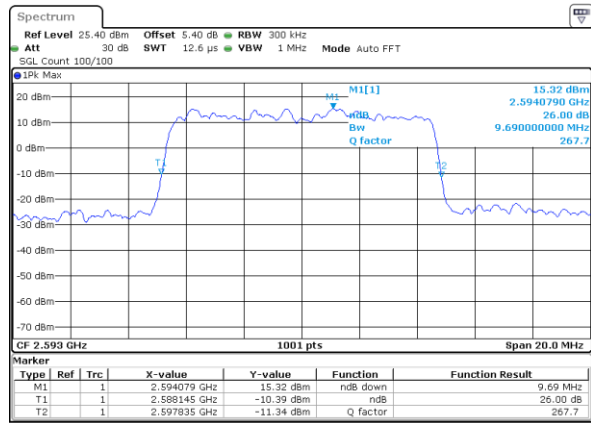
## Lowest Channel / 10MHz / 16QAM



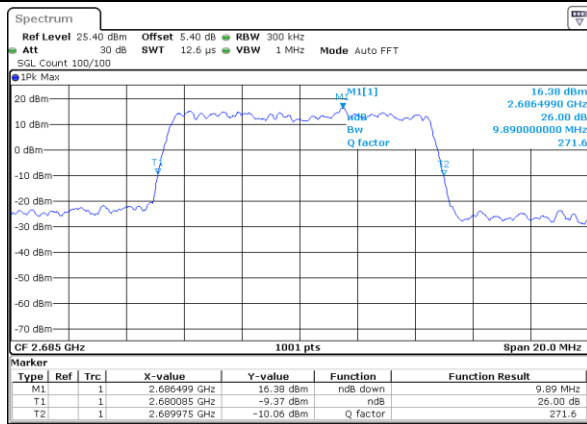
## Middle Channel / 10MHz / QPSK



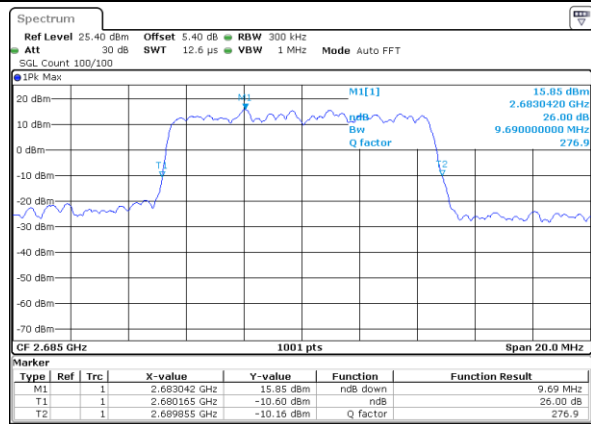
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



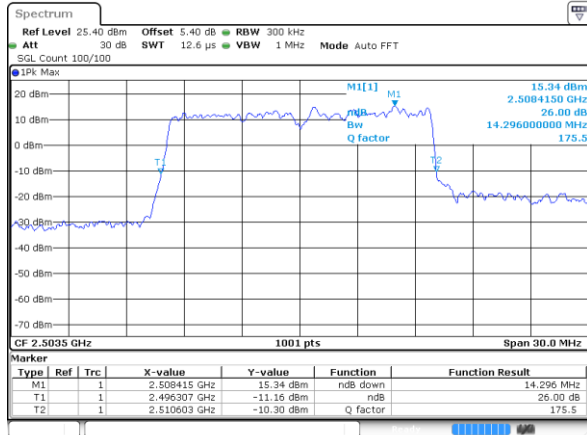
## Highest Channel / 10MHz / 16QAM



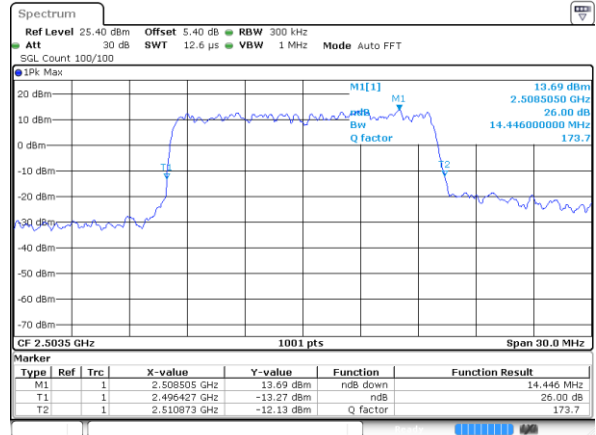


## LTE Band 41

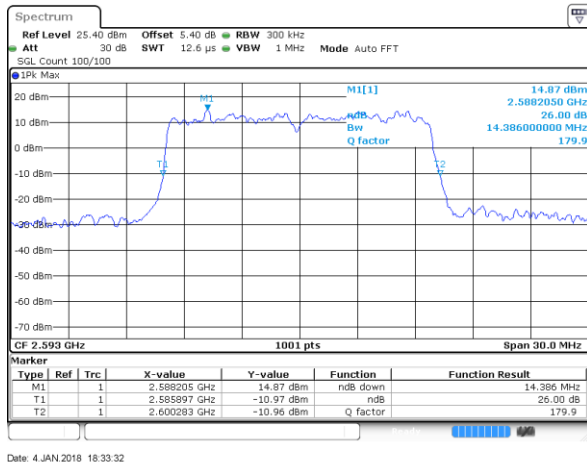
## Lowest Channel / 15MHz / QPSK



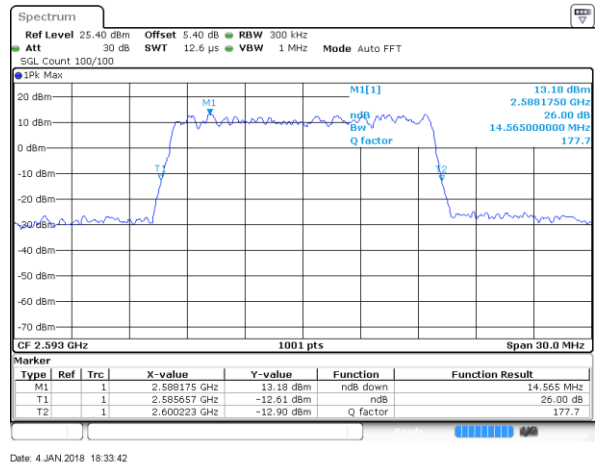
## Lowest Channel / 15MHz / 16QAM



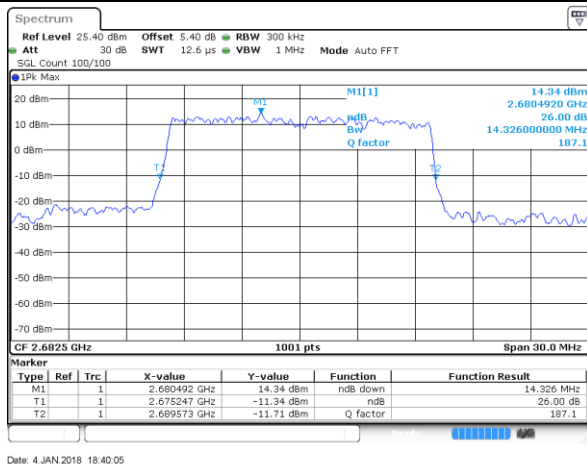
## Middle Channel / 15MHz / QPSK



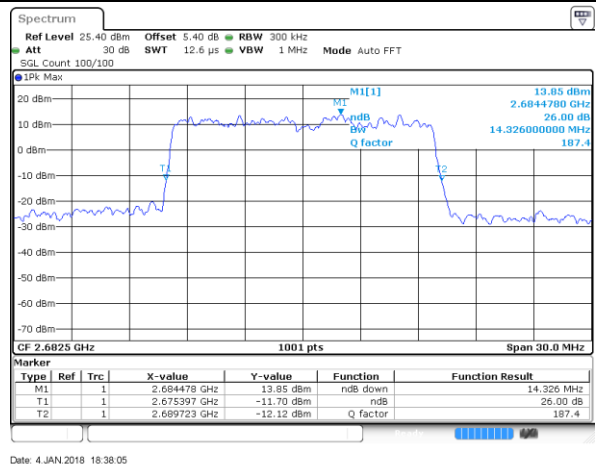
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



## Highest Channel / 15MHz / 16QAM

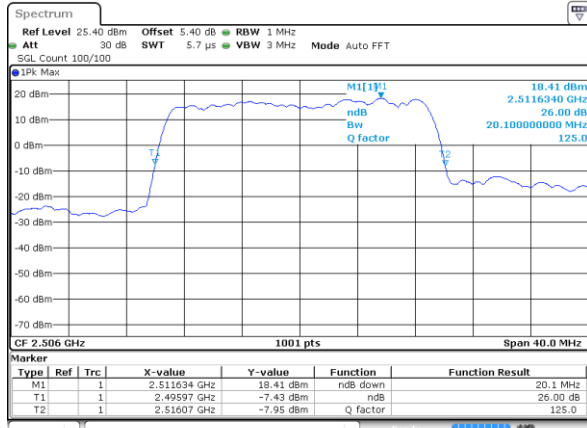




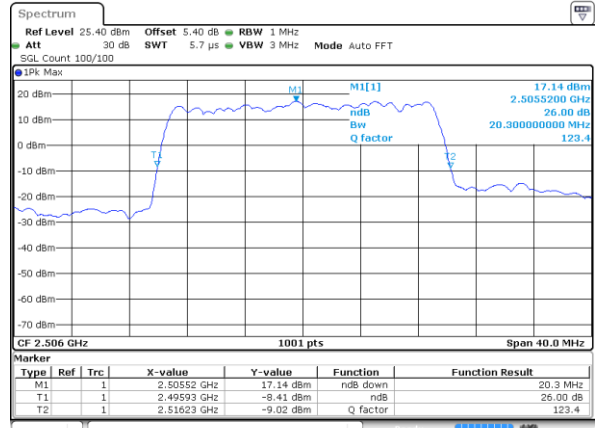


## LTE Band 41

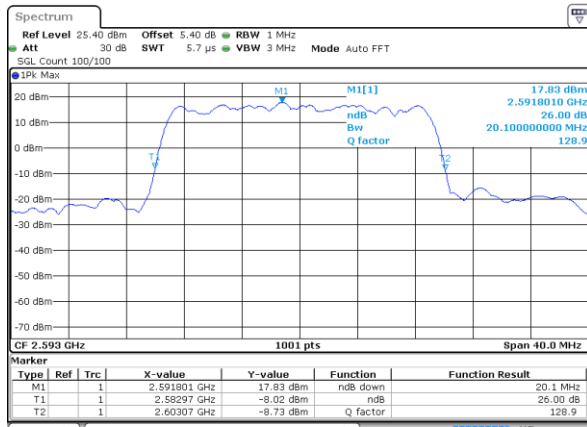
## Lowest Channel / 20MHz / QPSK



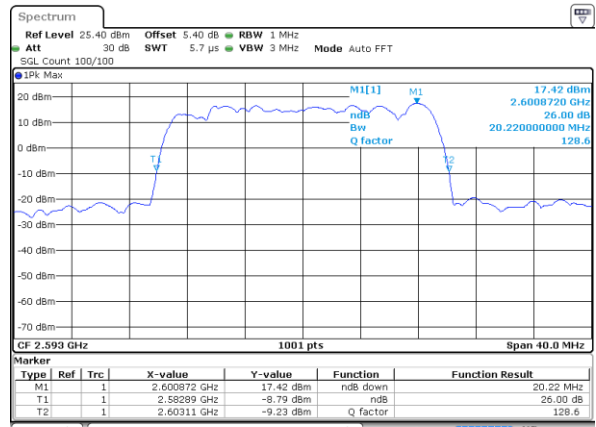
## Lowest Channel / 20MHz / 16QAM



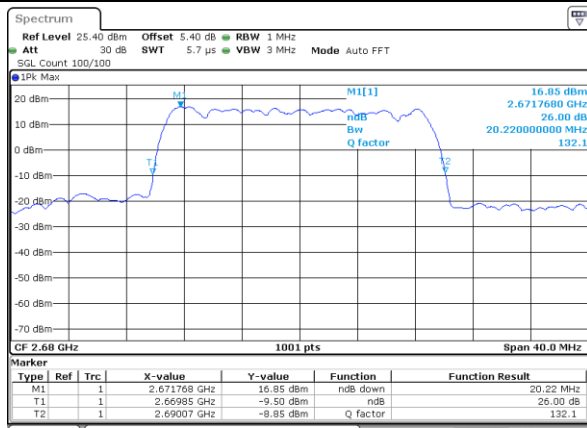
## Middle Channel / 20MHz / QPSK



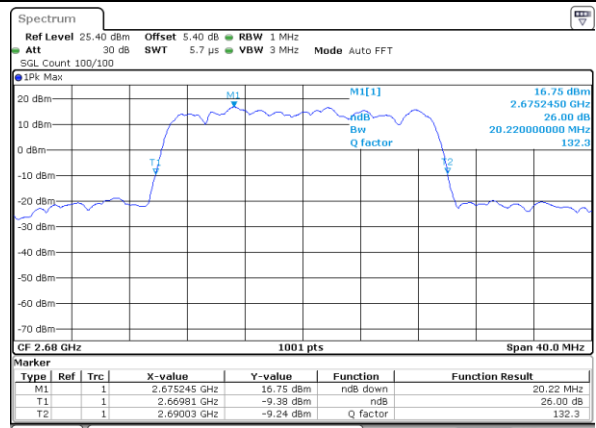
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



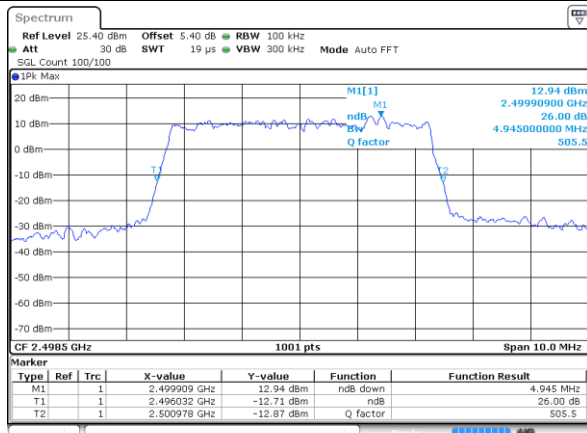
## Highest Channel / 20MHz / 16QAM





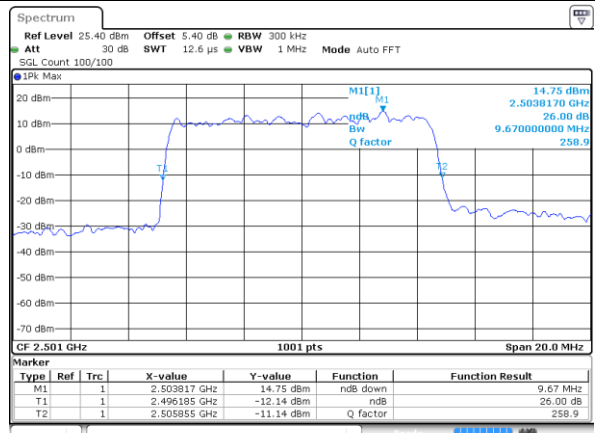
## LTE Band 41

## Lowest Channel / 5MHz / 64QAM



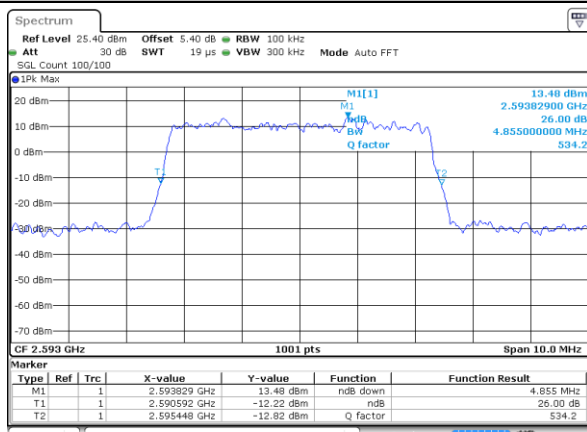
Date: 4 JAN 2018 18:44:08

## Lowest Channel / 10MHz / 64QAM



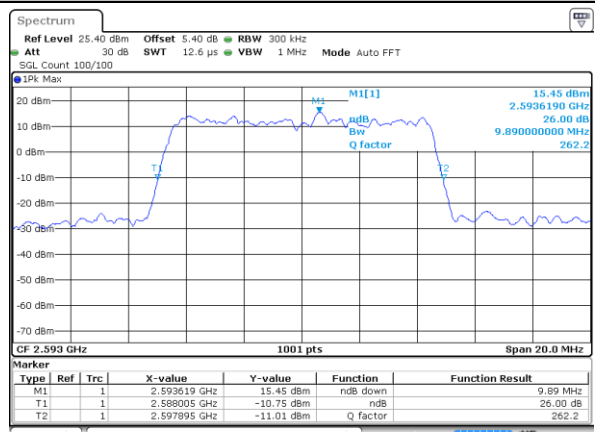
Date: 4 JAN 2018 18:41:50

## Middle Channel / 5MHz / 64QAM



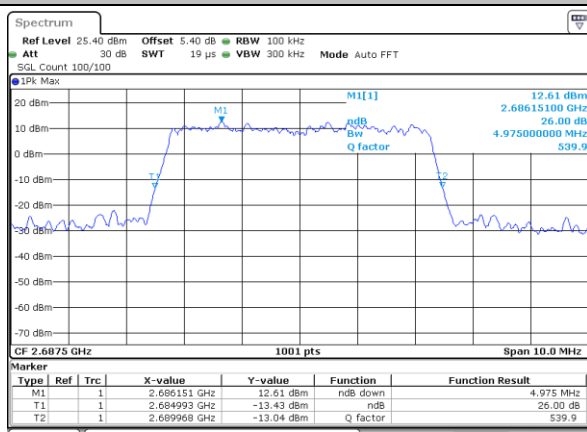
Date: 4 JAN 2018 18:44:34

## Middle Channel / 10MHz / 64QAM



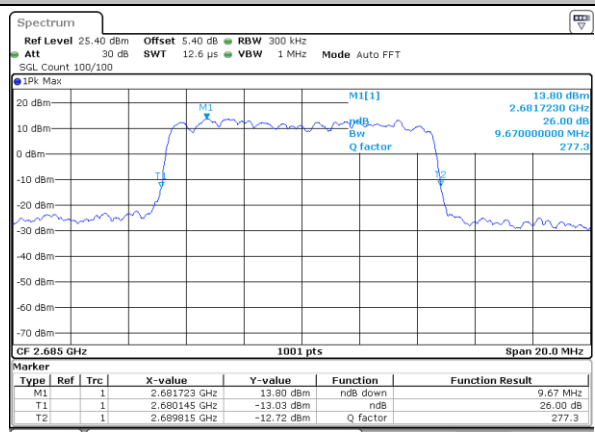
Date: 4 JAN 2018 18:42:12

## Highest Channel / 5MHz / 64QAM



Date: 4 JAN 2018 18:45:07

## Highest Channel / 10MHz / 64QAM

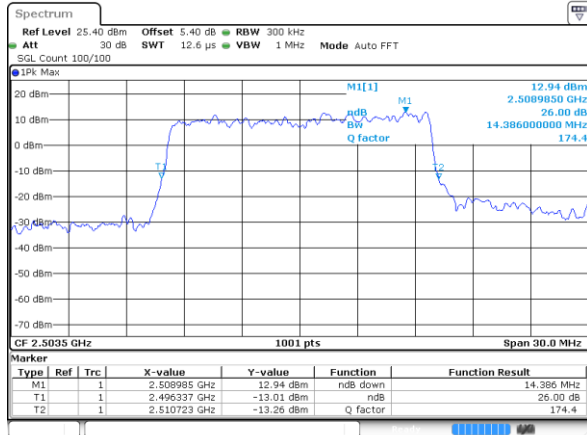


Date: 4 JAN 2018 18:42:37



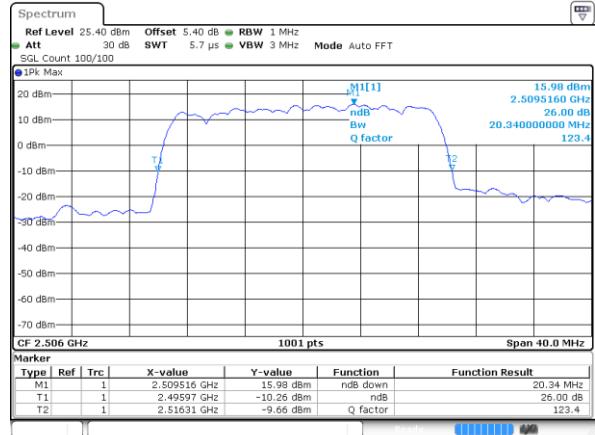
## LTE Band 41

## Lowest Channel / 15MHz / 64QAM



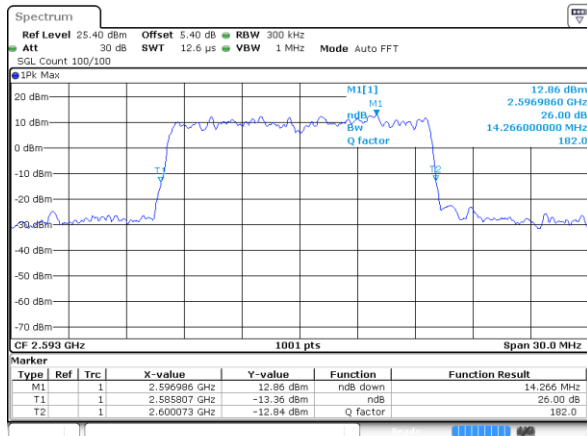
Date: 4 JAN 2018 18:39:31

## Lowest Channel / 20MHz / 64QAM



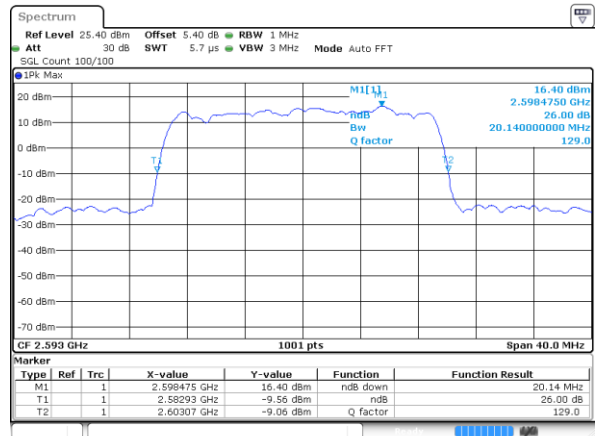
Date: 4 JAN 2018 18:53:50

## Middle Channel / 15MHz / 64QAM



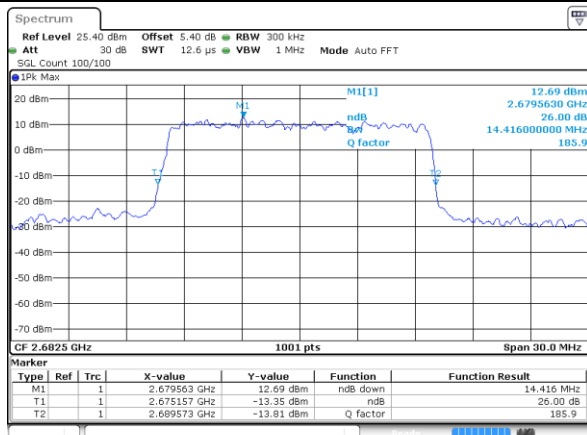
Date: 4 JAN 2018 18:38:47

## Middle Channel / 20MHz / 64QAM



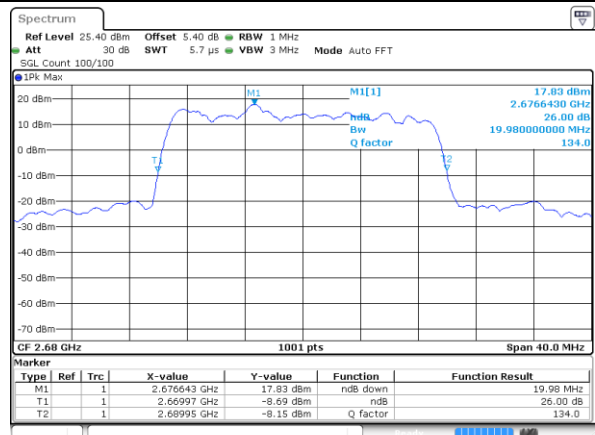
Date: 4 JAN 2018 18:52:51

## Highest Channel / 15MHz / 64QAM



Date: 4 JAN 2018 18:38:34

## Highest Channel / 20MHz / 64QAM

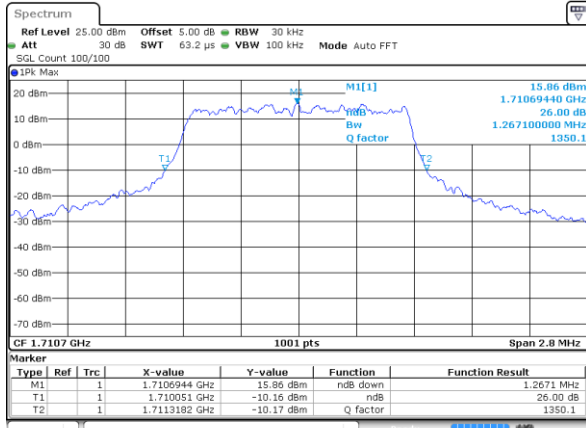


Date: 4 JAN 2018 18:51:58



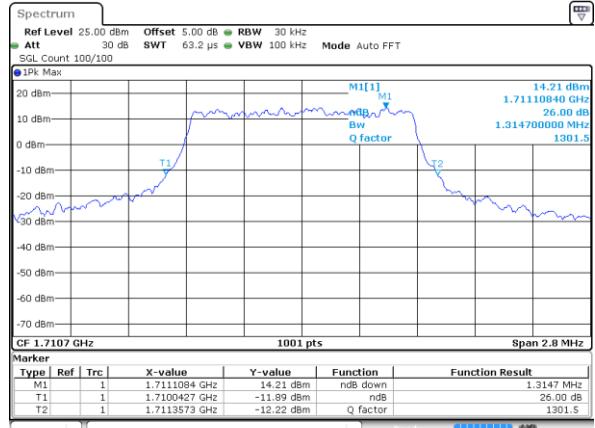
## LTE Band 66

## Lowest Channel / 1.4MHz / QPSK



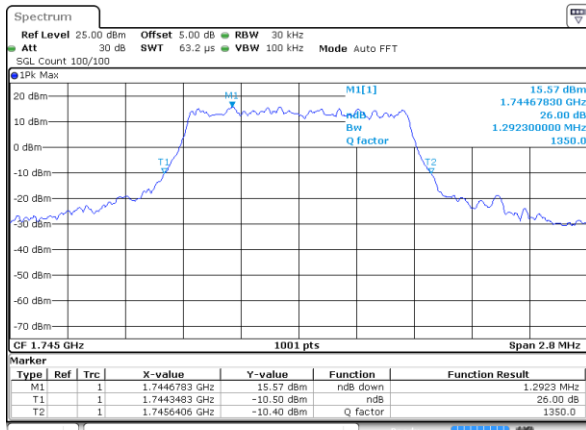
Date: 5 JAN 2018 08:01:25

## Lowest Channel / 1.4MHz / 16QAM



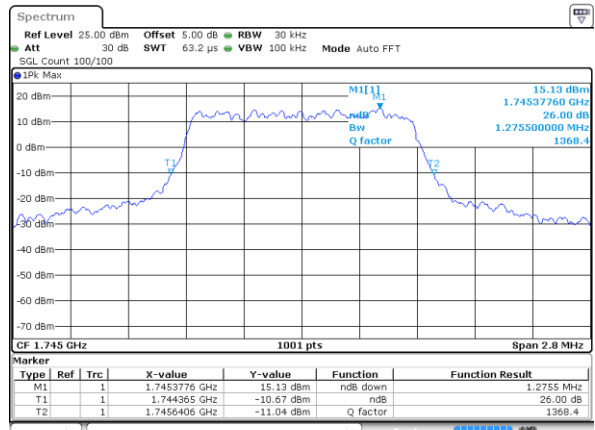
Date: 5 JAN 2018 08:03:19

## Middle Channel / 1.4MHz / QPSK



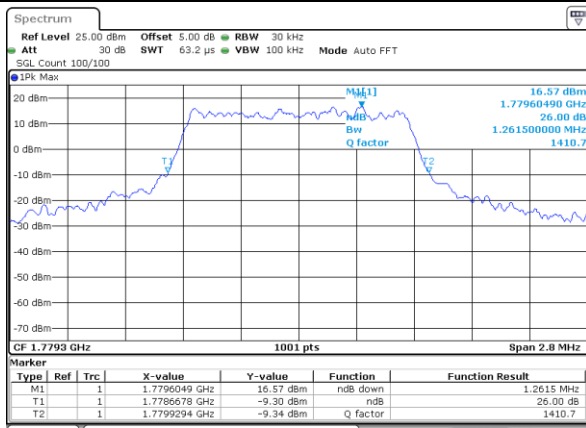
Date: 5 JAN 2018 08:20:44

## Middle Channel / 1.4MHz / 16QAM



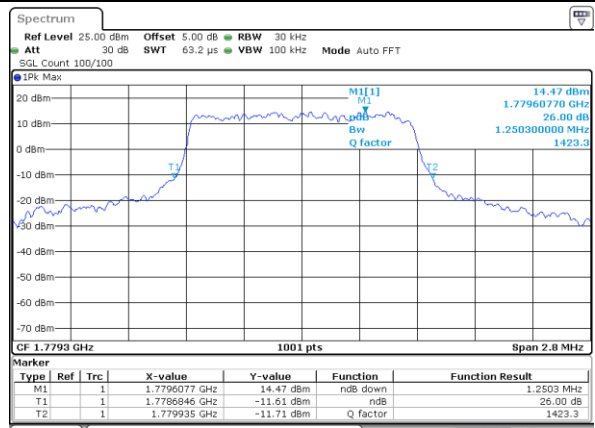
Date: 5 JAN 2018 08:21:08

## Highest Channel / 1.4MHz / QPSK



Date: 5 JAN 2018 08:24:54

## Highest Channel / 1.4MHz / 16QAM

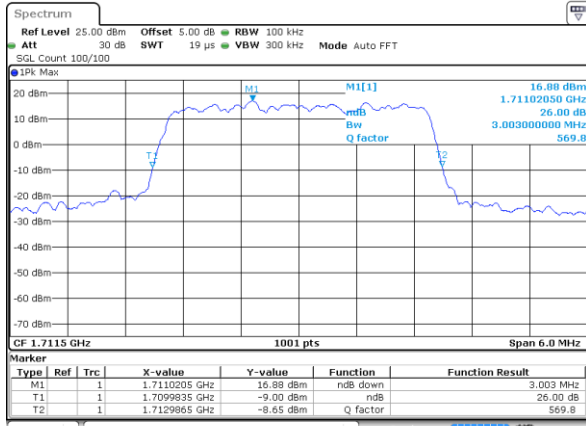


Date: 5 JAN 2018 08:25:18



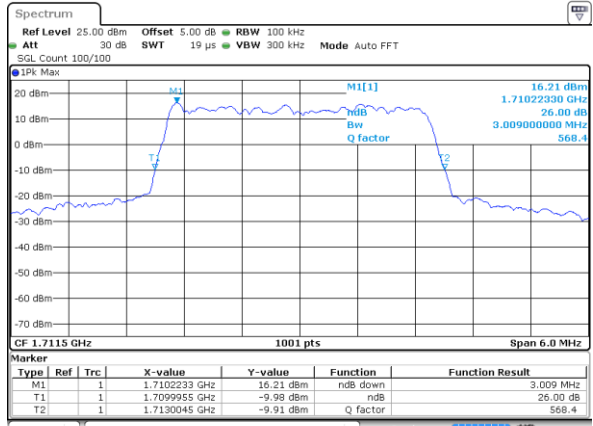
## LTE Band 66

## Lowest Channel / 3MHz / QPSK



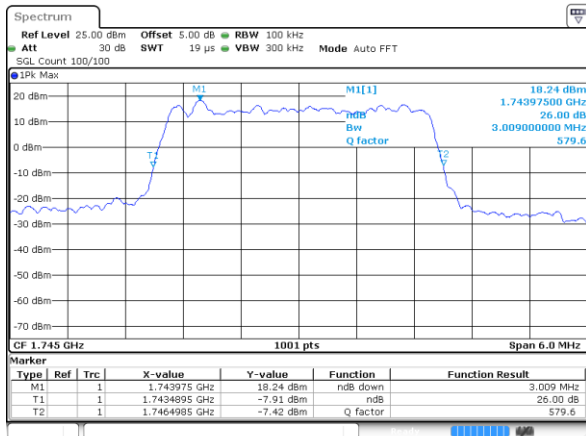
Date: 5 JAN 2018 08:35:23

## Lowest Channel / 3MHz / 16QAM



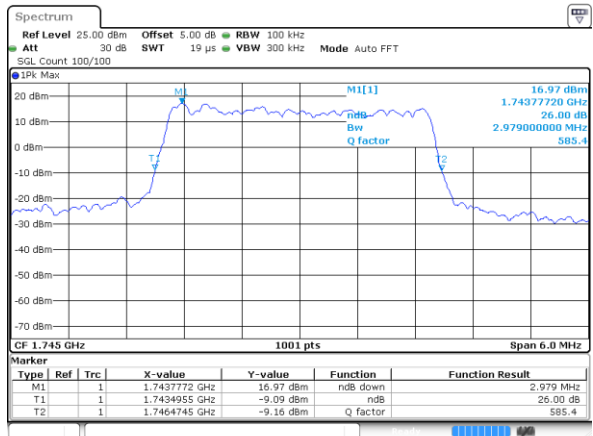
Date: 5 JAN 2018 08:35:51

## Middle Channel / 3MHz / QPSK



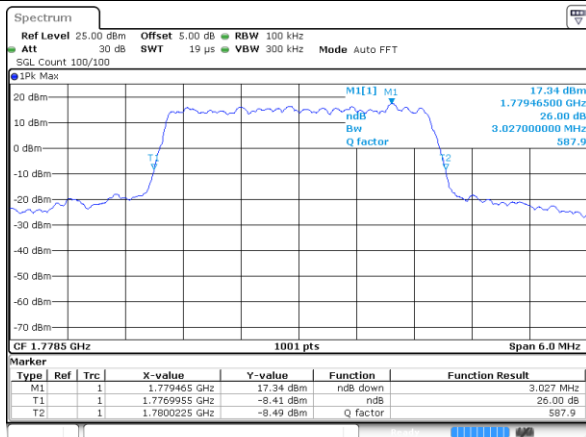
Date: 5 JAN 2018 08:43:23

## Middle Channel / 3MHz / 16QAM



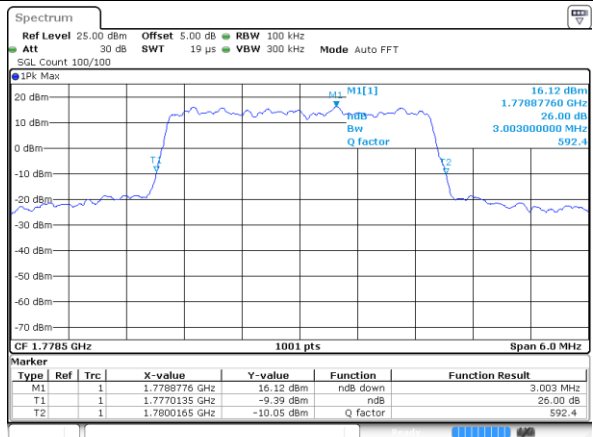
Date: 5 JAN 2018 08:43:55

## Highest Channel / 3MHz / QPSK



Date: 5 JAN 2018 08:46:55

## Highest Channel / 3MHz / 16QAM

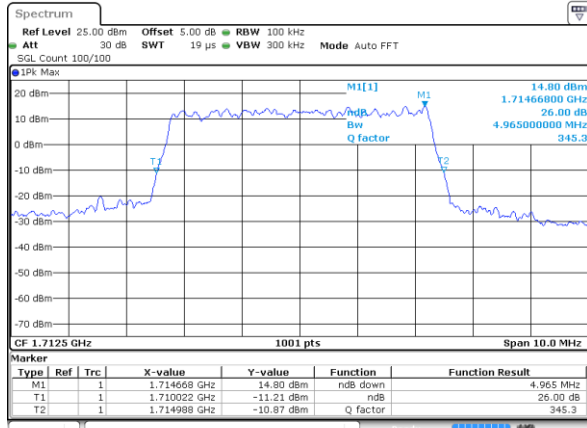


Date: 5 JAN 2018 08:47:21



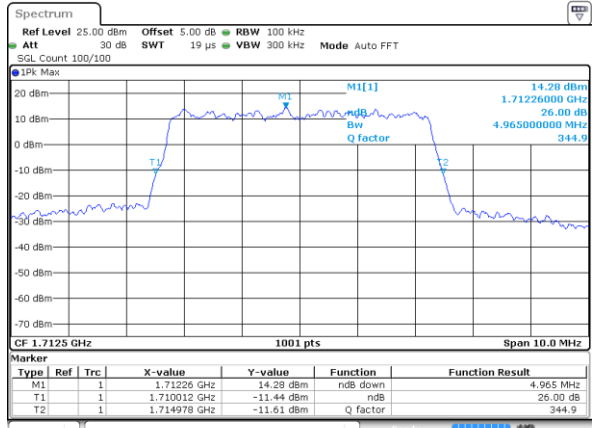
## LTE Band 66

## Lowest Channel / 5MHz / QPSK



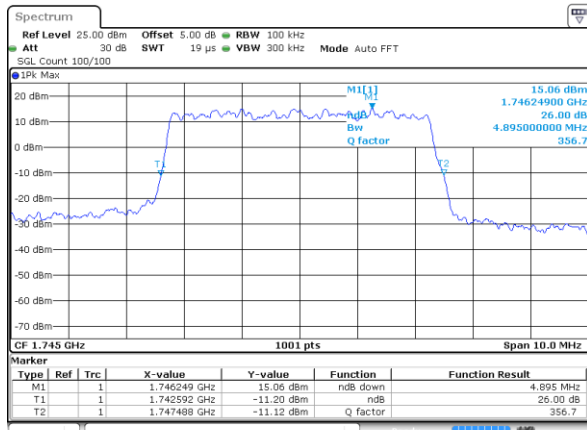
Date: 5 JAN 2018 08:54:31

## Lowest Channel / 5MHz / 16QAM



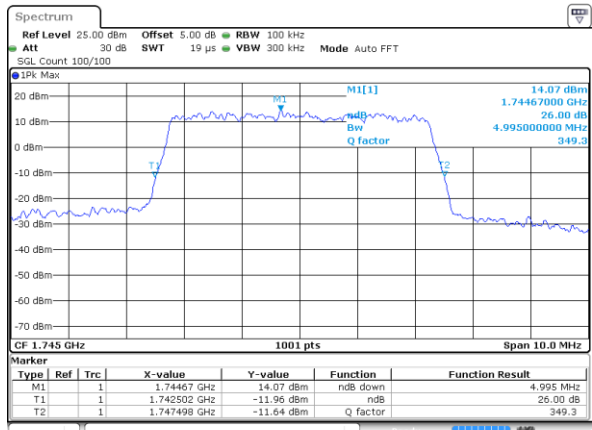
Date: 5 JAN 2018 08:54:57

## Middle Channel / 5MHz / QPSK



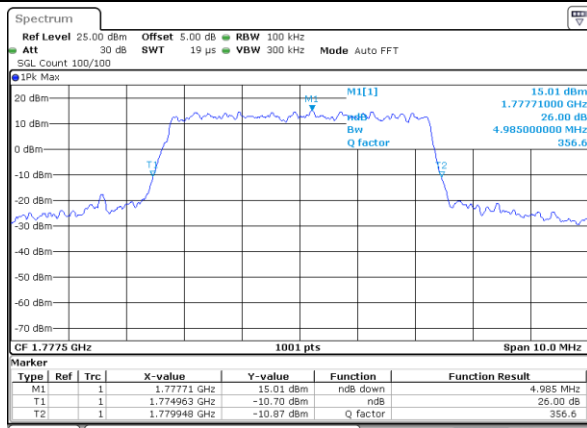
Date: 5 JAN 2018 09:00:46

## Middle Channel / 5MHz / 16QAM



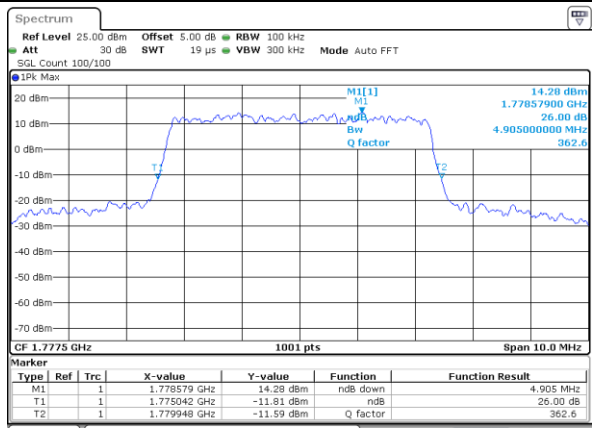
Date: 5 JAN 2018 09:01:12

## Highest Channel / 5MHz / QPSK



Date: 5 JAN 2018 09:03:37

## Highest Channel / 5MHz / 16QAM

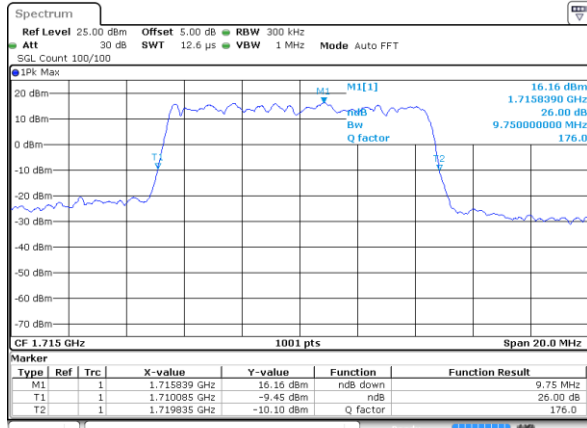


Date: 5 JAN 2018 09:03:58



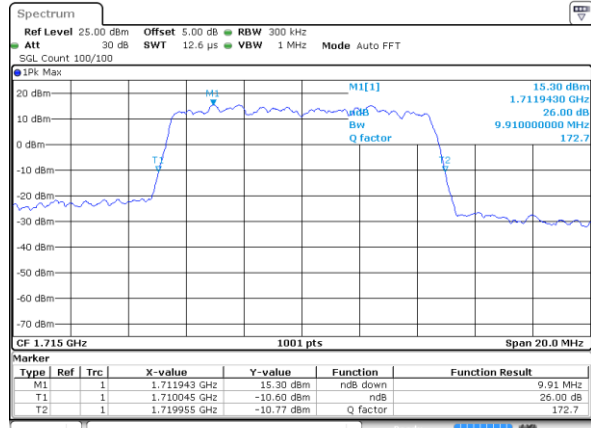
## LTE Band 66

## Lowest Channel / 10MHz / QPSK



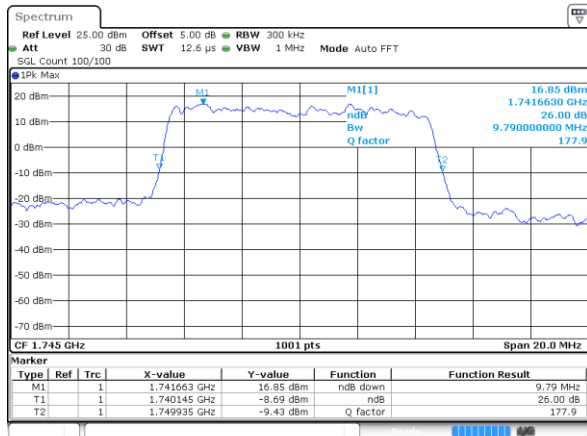
Date: 5 JAN 2018 09:09:52

## Lowest Channel / 10MHz / 16QAM



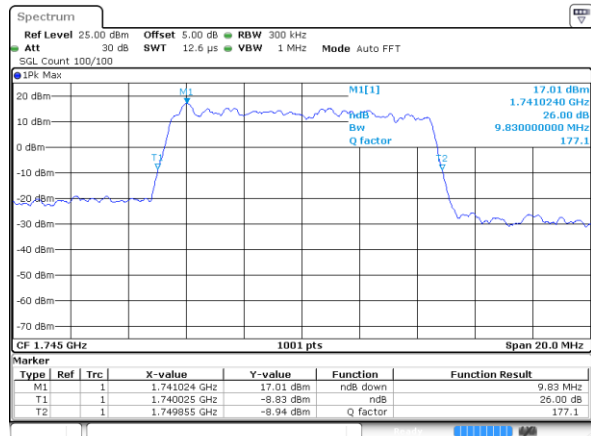
Date: 5 JAN 2018 09:10:11

## Middle Channel / 10MHz / QPSK



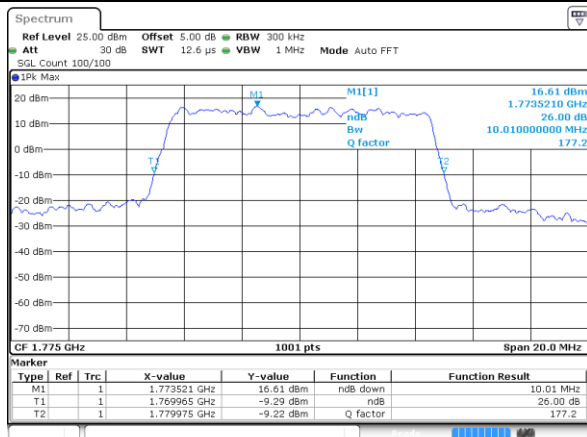
Date: 5 JAN 2018 09:13:42

## Middle Channel / 10MHz / 16QAM



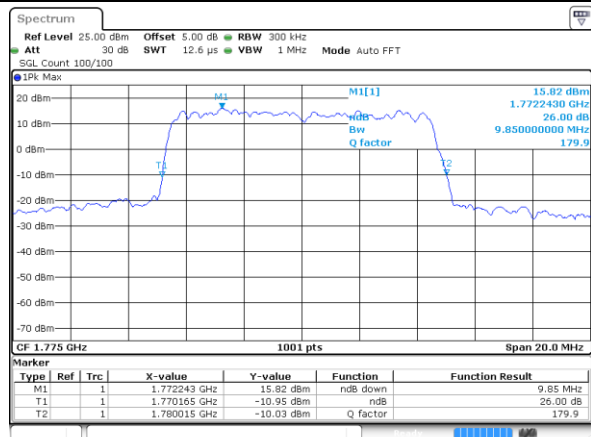
Date: 5 JAN 2018 09:14:07

## Highest Channel / 10MHz / QPSK



Date: 5 JAN 2018 09:17:43

## Highest Channel / 10MHz / 16QAM

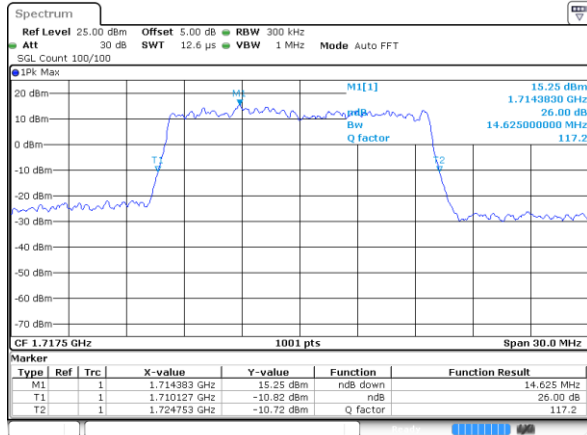


Date: 5 JAN 2018 09:18:06



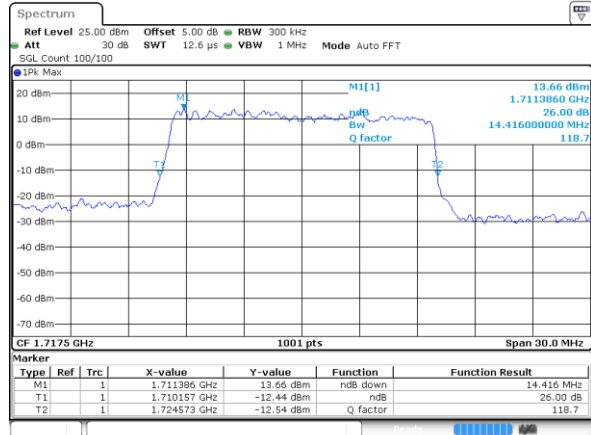
## LTE Band 66

## Lowest Channel / 15MHz / QPSK



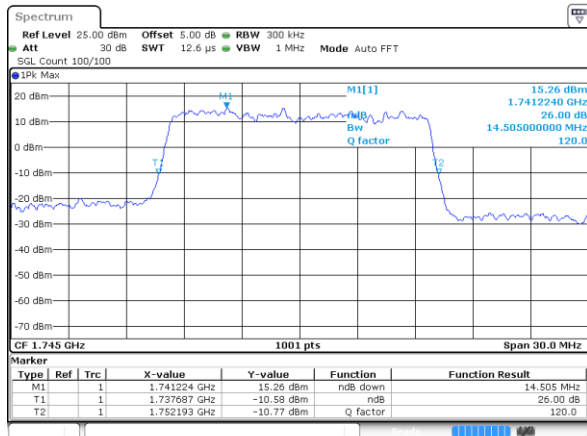
Date: 5 JAN 2018 09:24:31

## Lowest Channel / 15MHz / 16QAM



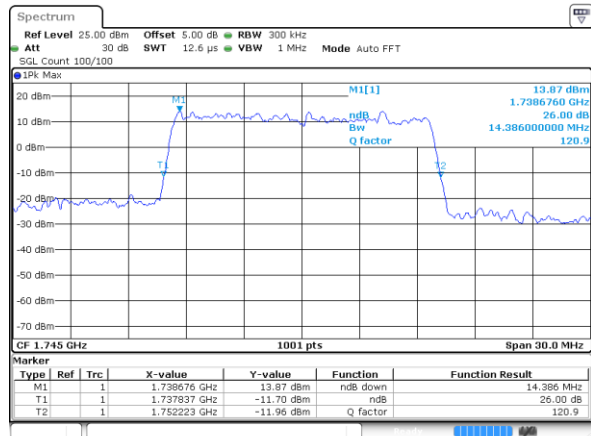
Date: 5 JAN 2018 09:24:54

## Middle Channel / 15MHz / QPSK



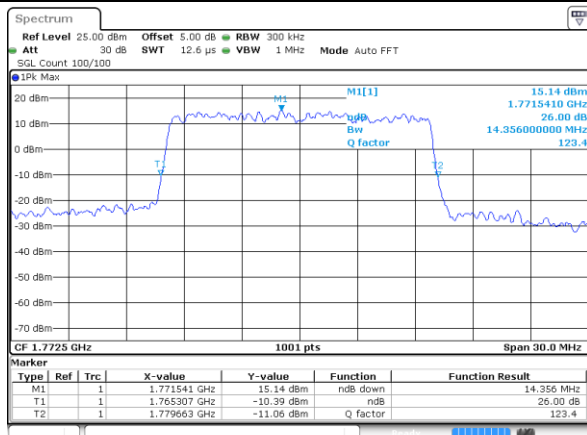
Date: 5 JAN 2018 09:30:02

## Middle Channel / 15MHz / 16QAM



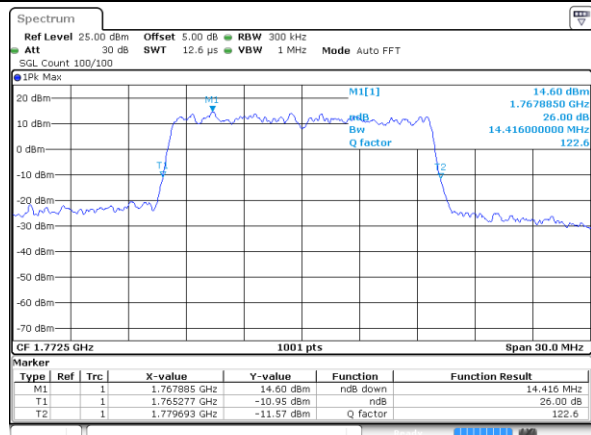
Date: 5 JAN 2018 09:31:17

## Highest Channel / 15MHz / QPSK



Date: 5 JAN 2018 09:33:56

## Highest Channel / 15MHz / 16QAM



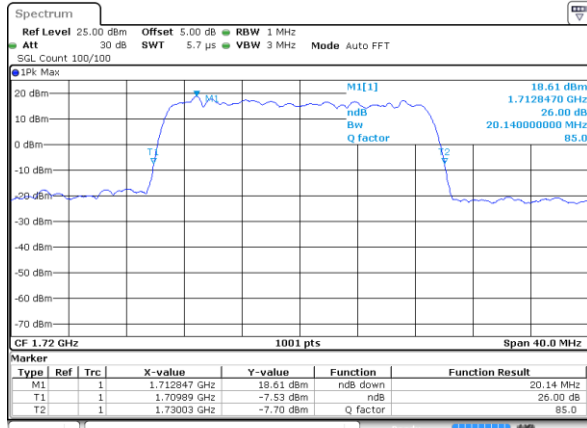
Date: 5 JAN 2018 09:34:18



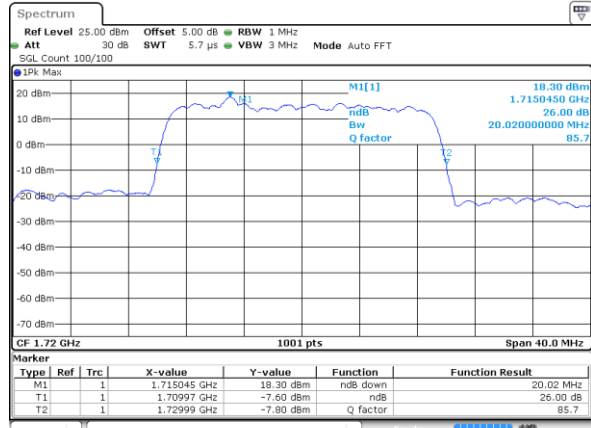


## LTE Band 66

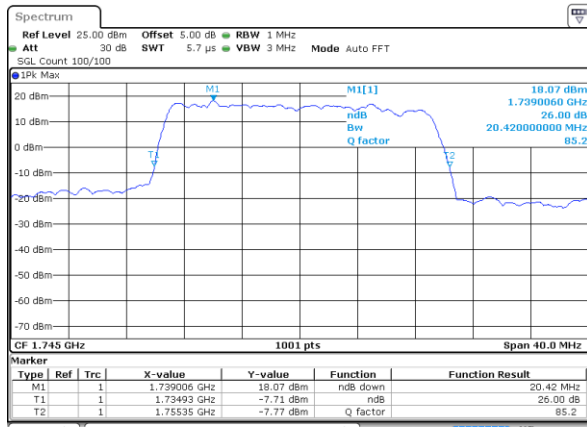
## Lowest Channel / 20MHz / QPSK



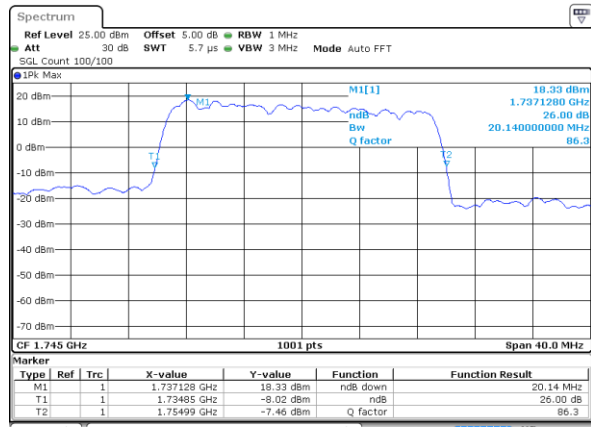
## Lowest Channel / 20MHz / 16QAM



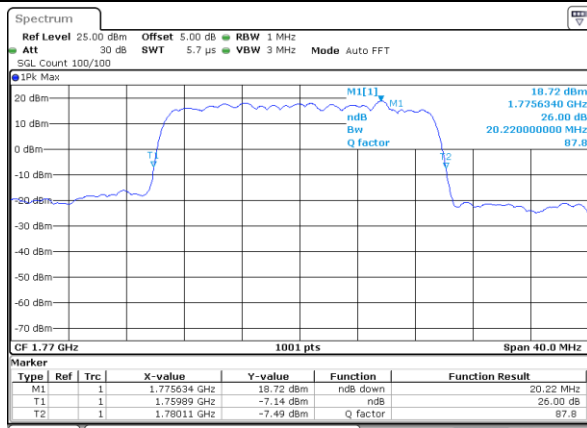
## Middle Channel / 20MHz / QPSK



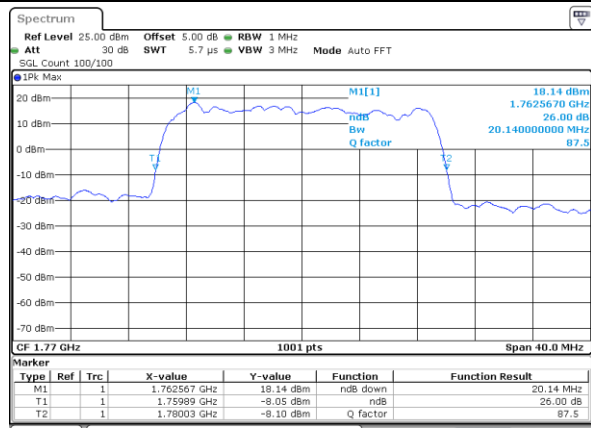
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



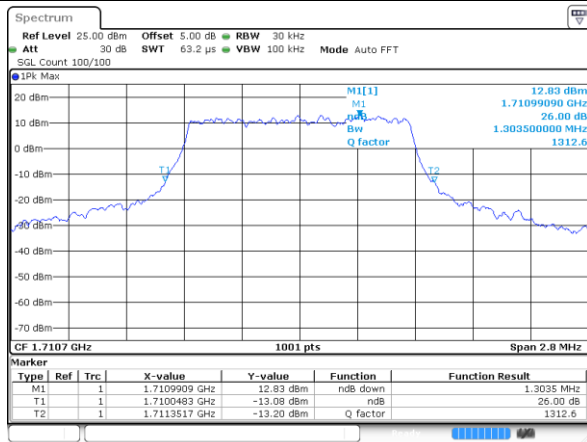
## Highest Channel / 20MHz / 16QAM





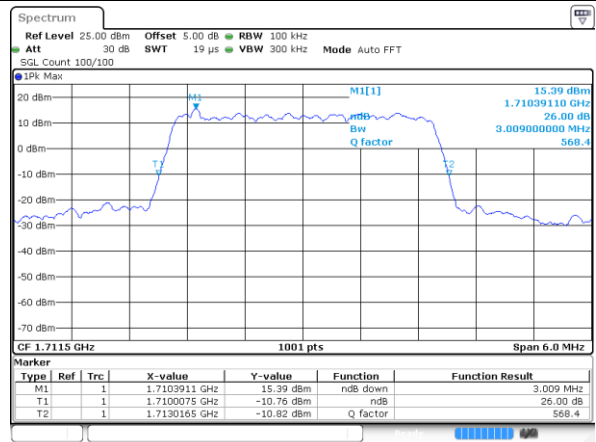
## LTE Band 66

## Lowest Channel / 1.4MHz / 64QAM



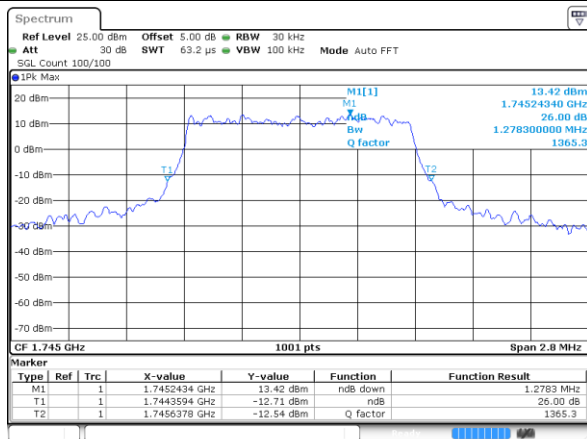
Date: 5 JAN 2018 10:19:06

## Lowest Channel / 3MHz / 64QAM



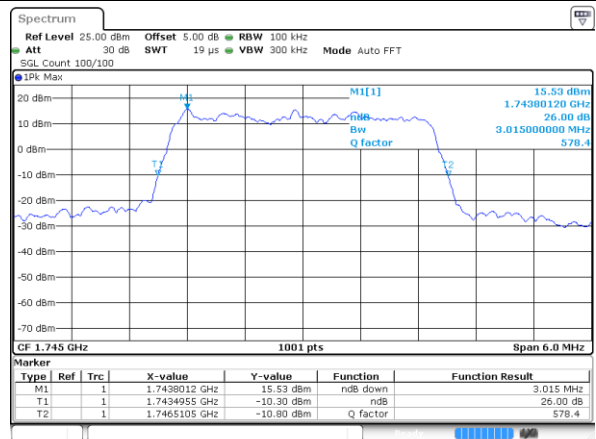
Date: 5 JAN 2018 10:33:24

## Middle Channel / 1.4MHz / 64QAM



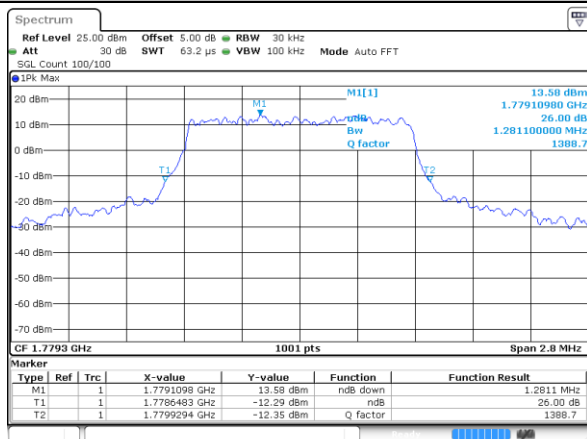
Date: 5 JAN 2018 10:24:30

## Middle Channel / 3MHz / 64QAM



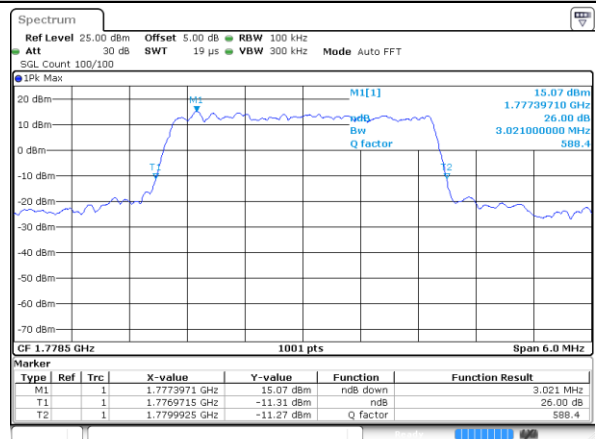
Date: 5 JAN 2018 10:39:11

## Highest Channel / 1.4MHz / 64QAM



Date: 5 JAN 2018 10:26:22

## Highest Channel / 3MHz / 64QAM

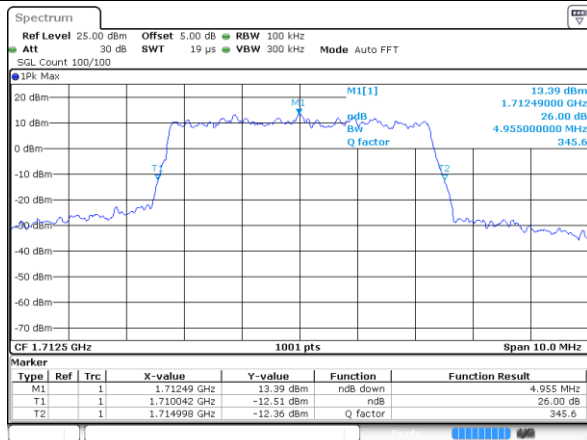


Date: 5 JAN 2018 10:41:04



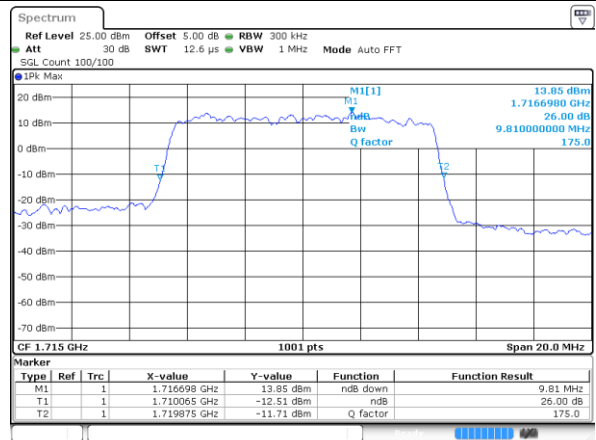
## LTE Band 66

## Lowest Channel / 5MHz / 64QAM



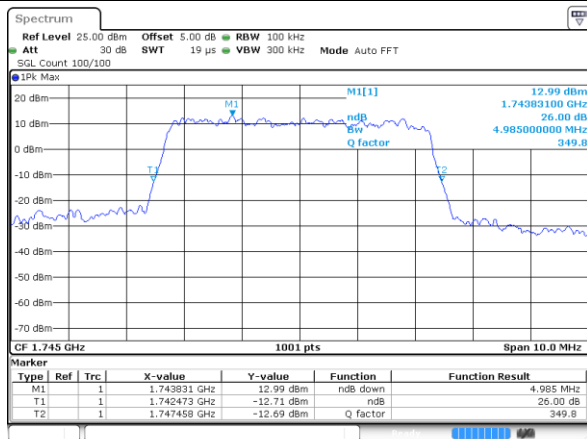
Date: 5 JAN 2018 10:46:11

## Lowest Channel / 10MHz / 64QAM



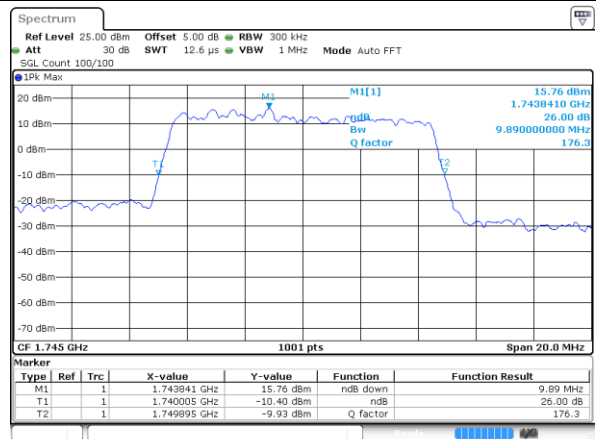
Date: 5 JAN 2018 12:45:33

## Middle Channel / 5MHz / 64QAM



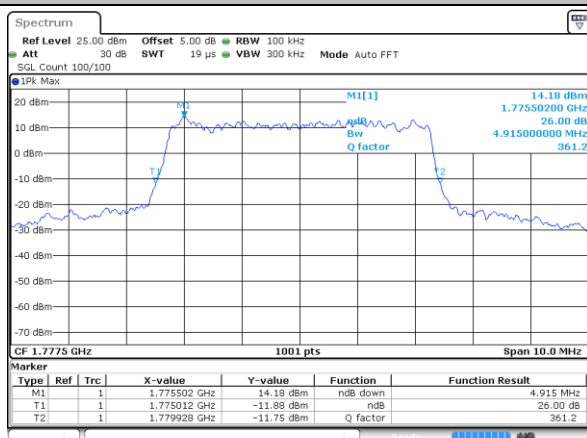
Date: 5 JAN 2018 10:51:46

## Middle Channel / 10MHz / 64QAM



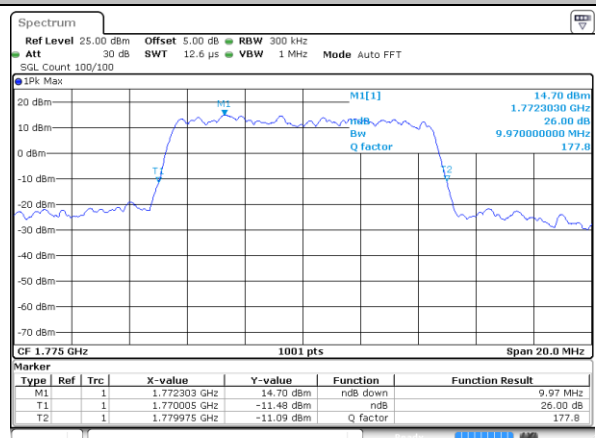
Date: 5 JAN 2018 12:50:52

## Highest Channel / 5MHz / 64QAM



Date: 5 JAN 2018 12:39:48

## Highest Channel / 10MHz / 64QAM

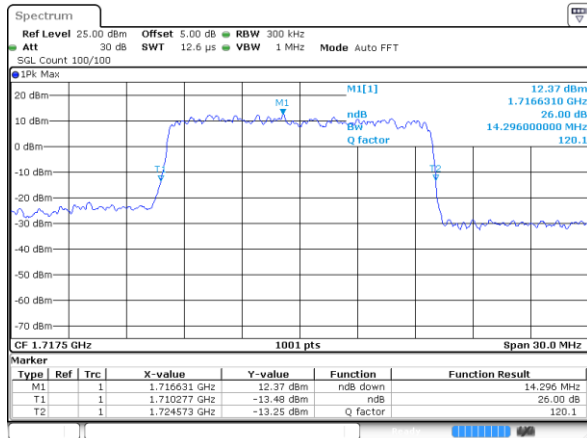


Date: 5 JAN 2018 12:52:00



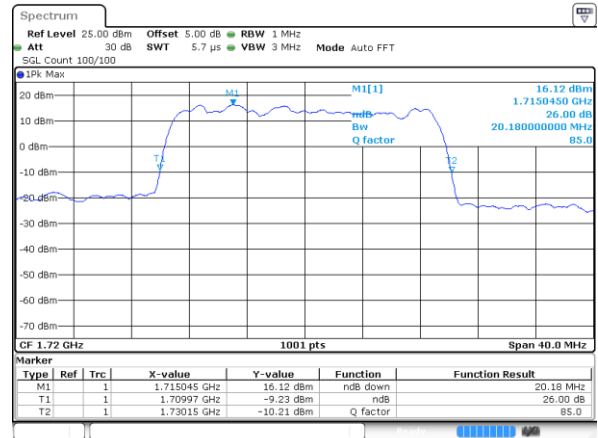
## LTE Band 66

## Lowest Channel / 15MHz / 64QAM



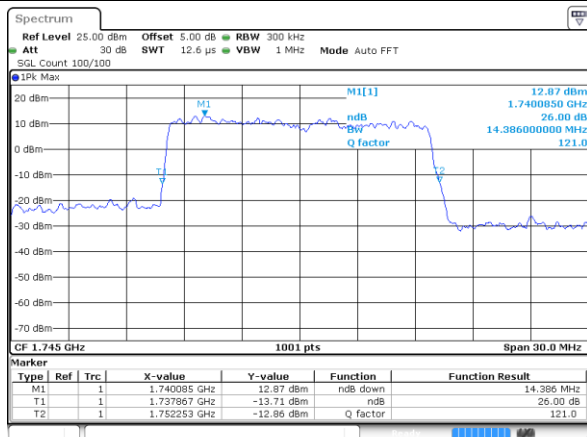
Date: 5 JAN 2018 12:55:25

## Lowest Channel / 20MHz / 64QAM



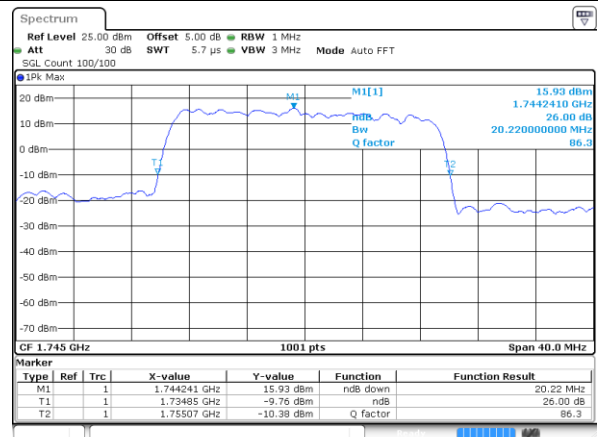
Date: 5 JAN 2018 13:04:09

## Middle Channel / 15MHz / 64QAM



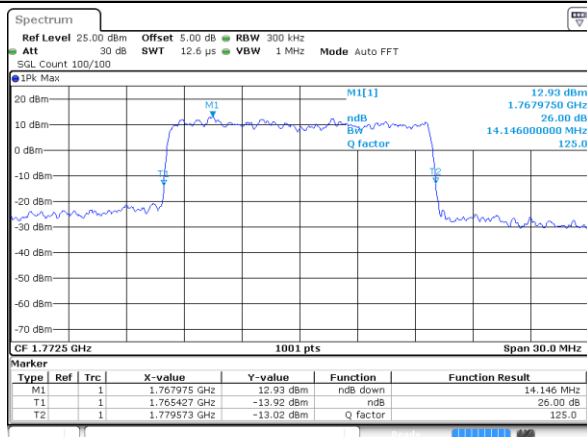
Date: 5 JAN 2018 12:58:54

## Middle Channel / 20MHz / 64QAM



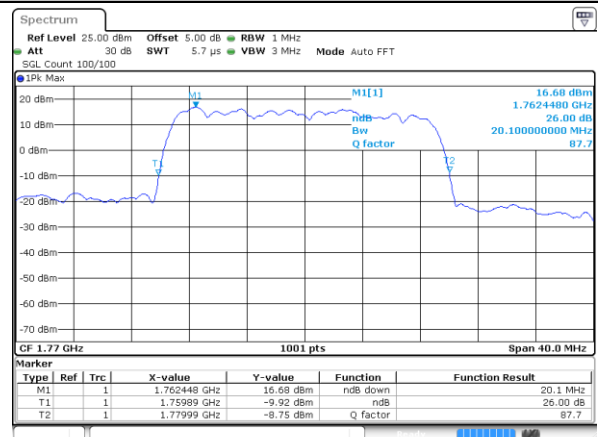
Date: 5 JAN 2018 13:06:36

## Highest Channel / 15MHz / 64QAM



Date: 5 JAN 2018 13:01:34

## Highest Channel / 20MHz / 64QAM



Date: 5 JAN 2018 13:08:58



## 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                     | 1.10  | 2.72  | 2.70  | 4.50  | 4.51  | 9.05  | 9.05  | 13.46 | 13.52 | 18.26 | 18.54 |
| Middle CH  | 1.09                     | 1.09  | 2.72  | 2.74  | 4.47  | 4.49  | 9.05  | 9.07  | 13.46 | 13.49 | 18.50 | 18.50 |
| Highest CH | 1.09                     | 1.09  | 2.72  | 2.72  | 4.49  | 4.48  | 9.01  | 9.01  | 13.49 | 13.46 | 18.30 | 18.54 |
| BW         | 1.4MHz                   | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                    | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.09                     | 2.73  | 4.50  | 9.03  | 13.52 | 18.42 |       |       |       |       |       |       |
| Middle CH  | 1.09                     | 2.72  | 4.51  | 9.07  | 13.46 | 18.54 |       |       |       |       |       |       |
| Highest CH | 1.10                     | 2.72  | 4.52  | 9.03  | 13.43 | 18.50 |       |       |       |       |       |       |

| Mode       | LTE Band 4 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                     | 1.10  | 2.72  | 2.72  | 4.49  | 4.50  | 9.15  | 9.03  | 13.46 | 13.40 | 18.38 | 18.46 |
| Middle CH  | 1.09                     | 1.09  | 2.72  | 2.73  | 4.50  | 4.49  | 9.03  | 9.03  | 13.46 | 13.46 | 18.38 | 18.38 |
| Highest CH | 1.09                     | 1.10  | 2.71  | 2.71  | 4.50  | 4.45  | 9.05  | 9.03  | 13.46 | 13.43 | 18.30 | 18.50 |
| BW         | 1.4MHz                   | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                    | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.09                     | 2.72  | 4.49  | 9.01  | 13.40 | 18.58 |       |       |       |       |       |       |
| Middle CH  | 1.10                     | 2.73  | 4.50  | 9.01  | 13.46 | 18.26 |       |       |       |       |       |       |
| Highest CH | 1.08                     | 2.73  | 4.49  | 9.11  | 13.49 | 18.50 |       |       |       |       |       |       |

| Mode       | LTE Band 5 : 99%OBW(MHz) |       |      |       |      |       |       |       |        |       |       |       |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|--------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 1.4MHz | 3MHz  | 5MHz  | 10MHz |
| Mod.       | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | 64QAM  | 64QAM | 64QAM | 64QAM |
| Lowest CH  | 1.10                     | 1.09  | 2.72 | 2.76  | 4.50 | 4.51  | 9.03  | 9.05  | 1.09   | 2.72  | 4.50  | 9.03  |
| Middle CH  | 1.09                     | 1.10  | 2.72 | 2.72  | 4.49 | 4.49  | 9.03  | 8.99  | 1.09   | 2.71  | 4.51  | 9.07  |
| Highest CH | 1.09                     | 1.09  | 2.70 | 2.72  | 4.50 | 4.50  | 9.03  | 9.03  | 1.10   | 2.73  | 4.49  | 9.05  |



| Mode       | LTE Band 7 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 5MHz                     |       | 10MHz |       | 15MHz |       | 20MHz |       | 5MHz  | 10MHz | 15MHz | 20MHz |
| Mod.       | QPSK                     | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH  | 4.51                     | 4.51  | 9.11  | 9.01  | 13.55 | 13.49 | 18.42 | 18.54 | 4.49  | 8.99  | 13.43 | 18.38 |
| Middle CH  | 4.50                     | 4.50  | 9.05  | 9.03  | 13.40 | 13.52 | 18.30 | 18.42 | 4.46  | 9.01  | 13.43 | 18.46 |
| Highest CH | 4.47                     | 4.48  | 9.01  | 8.99  | 13.40 | 13.49 | 18.34 | 18.38 | 4.50  | 8.95  | 13.46 | 18.42 |

| Mode       | LTE Band 12 : 99%OBW(MHz) |       |      |       |      |       |       |       |        |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|--------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 1.4MHz | 3MHz  | 5MHz  | 10MHz |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | 64QAM  | 64QAM | 64QAM | 64QAM |
| Lowest CH  | 1.09                      | 1.10  | 2.73 | 2.73  | 4.50 | 4.50  | 9.01  | 8.99  | 1.09   | 2.72  | 4.49  | 9.03  |
| Middle CH  | 1.10                      | 1.09  | 2.72 | 2.71  | 4.49 | 4.49  | 8.99  | 8.97  | 1.09   | 2.72  | 4.48  | 9.13  |
| Highest CH | 1.09                      | 1.10  | 2.74 | 2.73  | 4.49 | 4.49  | 9.05  | 9.03  | 1.10   | 2.73  | 4.50  | 9.01  |

| Mode       | LTE Band 13 : 99%OBW(MHz) |       |       |       |       |       |  |  |  |  |  |  |
|------------|---------------------------|-------|-------|-------|-------|-------|--|--|--|--|--|--|
| BW         | 5MHz                      |       | 10MHz |       | 5MHz  | 10MHz |  |  |  |  |  |  |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | 64QAM | 64QAM |  |  |  |  |  |  |
| Lowest CH  | 4.49                      | 4.48  | -     | -     | 4.51  | -     |  |  |  |  |  |  |
| Middle CH  | 4.49                      | 4.49  | 9.07  | 9.01  | 4.47  | 9.03  |  |  |  |  |  |  |
| Highest CH | 4.51                      | 4.51  | -     | -     | 4.49  | -     |  |  |  |  |  |  |

| Mode       | LTE Band 17 : 99%OBW(MHz) |       |       |       |       |       |  |  |  |  |  |  |
|------------|---------------------------|-------|-------|-------|-------|-------|--|--|--|--|--|--|
| BW         | 5MHz                      |       | 10MHz |       | 5MHz  | 10MHz |  |  |  |  |  |  |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | 64QAM | 64QAM |  |  |  |  |  |  |
| Lowest CH  | 4.50                      | 4.49  | 9.03  | 9.01  | 4.47  | 8.99  |  |  |  |  |  |  |
| Middle CH  | 4.49                      | 4.48  | 9.01  | 8.95  | 4.49  | 8.99  |  |  |  |  |  |  |
| Highest CH | 4.49                      | 4.48  | 9.03  | 8.99  | 4.47  | 9.01  |  |  |  |  |  |  |



| Mode       | LTE Band 25 : 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  | 9.03  | 9.03  | 13.46 | 13.46 | 18.30 | 18.34 |
| Middle CH  | 1.09                      | 1.10  | 2.73  | 2.71  | 4.48  | 4.50  | 9.05  | 9.01  | 13.46 | 13.43 | 18.46 | 18.50 |
| Highest CH | 1.11                      | 1.09  | 2.70  | 2.73  | 4.48  | 4.49  | 8.97  | 8.93  | 13.43 | 13.43 | 18.30 | 18.38 |
| BW         | 1.4MHz                    | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                     | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.09                      | 2.74  | 4.50  | 9.07  | 13.46 | 18.38 |       |       |       |       |       |       |
| Middle CH  | 1.09                      | 2.72  | 4.51  | 9.07  | 13.43 | 18.46 |       |       |       |       |       |       |
| Highest CH | 1.09                      | 2.71  | 4.50  | 9.10  | 13.46 | 18.58 |       |       |       |       |       |       |

| Mode       | LTE Band 26 : 99%OBW(MHz) |       |       |       |       |         |       |       |       |       |         |       |
|------------|---------------------------|-------|-------|-------|-------|---------|-------|-------|-------|-------|---------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |         | 10MHz |       | 15MHz |       | CH26765 |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM   | QPSK  | 16QAM | QPSK  | 16QAM | QPSK    | 16QAM |
| Lowest CH  | 1.09                      | 1.09  | 2.72  | 2.73  | 4.50  | 4.49    | 9.03  | 9.05  | 13.58 | 13.43 | 13.37   | 13.40 |
| Middle CH  | 1.10                      | 1.09  | 2.70  | 2.72  | 4.50  | 4.50    | 9.03  | 8.99  | 13.43 | 13.43 | -       | -     |
| Highest CH | 1.09                      | 1.09  | 2.74  | 2.74  | 4.50  | 4.48    | 9.07  | 9.05  | 13.43 | 13.52 | -       | -     |
| BW         | 1.4MHz                    | 3MHz  | 5MHz  | 10MHz | 15MHz | CH26765 |       |       |       |       |         |       |
| Mod.       | 64QAM                     | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM   |       |       |       |       |         |       |
| Lowest CH  | 1.09                      | 2.72  | 4.50  | 9.05  | 13.43 | 13.43   |       |       |       |       |         |       |
| Middle CH  | 1.10                      | 2.73  | 4.49  | 9.01  | 13.46 | -       |       |       |       |       |         |       |
| Highest CH | 1.10                      | 2.73  | 4.51  | 9.03  | 13.46 | -       |       |       |       |       |         |       |

| Mode       | LTE Band 38 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 5MHz                      |       | 10MHz |       | 15MHz |       | 20MHz |       | 5MHz  | 10MHz | 15MHz | 20MHz |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH  | 4.51                      | 4.50  | 8.99  | 8.97  | 13.49 | 13.40 | 18.42 | 18.26 | 4.48  | 9.01  | 13.40 | 18.38 |
| Middle CH  | 4.49                      | 4.49  | 8.97  | 9.03  | 13.43 | 13.43 | 18.46 | 18.42 | 4.46  | 9.01  | 13.40 | 18.38 |
| Highest CH | 4.50                      | 4.48  | 9.05  | 9.05  | 13.55 | 13.43 | 18.26 | 18.22 | 4.50  | 9.07  | 13.43 | 18.26 |

| Mode       | LTE Band 41 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 5MHz                      |       | 10MHz |       | 15MHz |       | 20MHz |       | 5MHz  | 10MHz | 15MHz | 20MHz |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH  | 4.48                      | 4.47  | 9.13  | 9.01  | 13.43 | 13.43 | 18.46 | 18.62 | 4.51  | 9.01  | 13.43 | 18.34 |
| Middle CH  | 4.49                      | 4.47  | 9.05  | 9.03  | 13.43 | 13.43 | 18.30 | 18.46 | 4.50  | 9.05  | 13.49 | 18.46 |
| Highest CH | 4.54                      | 4.49  | 8.97  | 8.99  | 13.37 | 13.52 | 18.50 | 18.42 | 4.47  | 8.99  | 13.46 | 18.34 |



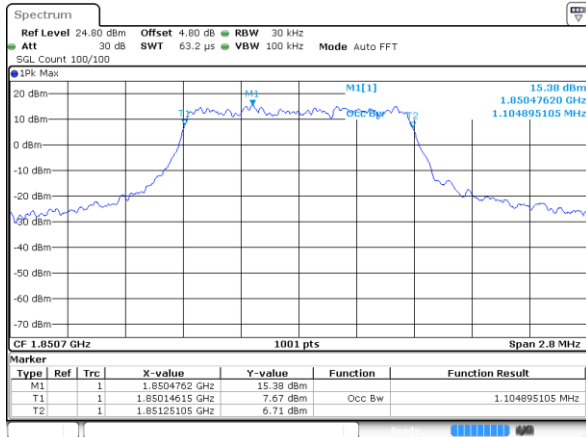
| Mode       | LTE Band 66 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                      | 1.10  | 2.71  | 2.69  | 4.48  | 4.47  | 8.99  | 9.01  | 13.46 | 13.46 | 18.38 | 18.42 |
| Middle CH  | 1.09                      | 1.10  | 2.73  | 2.71  | 4.51  | 4.50  | 9.01  | 9.01  | 13.46 | 13.43 | 18.30 | 18.30 |
| Highest CH | 1.08                      | 1.10  | 2.73  | 2.73  | 4.49  | 4.48  | 9.01  | 9.03  | 13.43 | 13.52 | 18.34 | 18.30 |
| BW         | 1.4MHz                    | 3MHz  | 5MHz  | 10MHz | 15MHz | 20MHz |       |       |       |       |       |       |
| Mod.       | 64QAM                     | 64QAM | 64QAM | 64QAM | 64QAM | 64QAM |       |       |       |       |       |       |
| Lowest CH  | 1.10                      | 2.72  | 4.52  | 9.01  | 13.43 | 18.30 |       |       |       |       |       |       |
| Middle CH  | 1.10                      | 2.74  | 4.51  | 8.99  | 13.49 | 18.42 |       |       |       |       |       |       |
| Highest CH | 1.09                      | 2.70  | 4.51  | 9.01  | 13.46 | 18.46 |       |       |       |       |       |       |



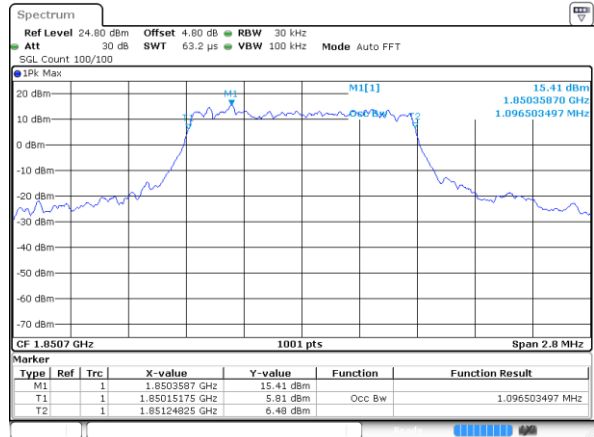


## LTE Band 2

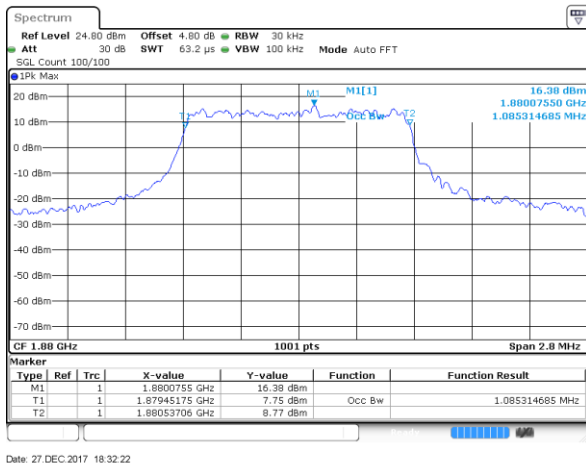
## Lowest Channel / 1.4MHz / QPSK



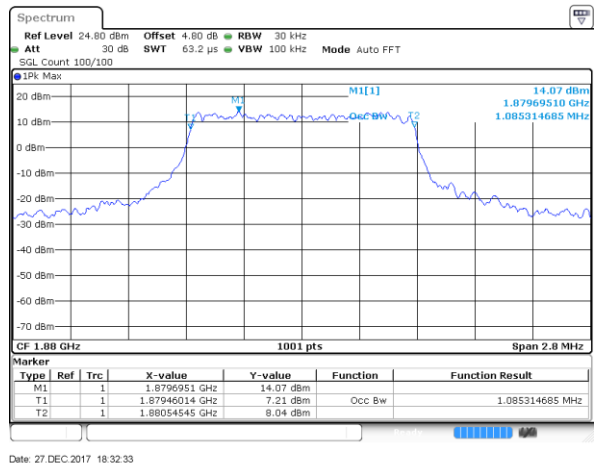
## Lowest Channel / 1.4MHz / 16QAM



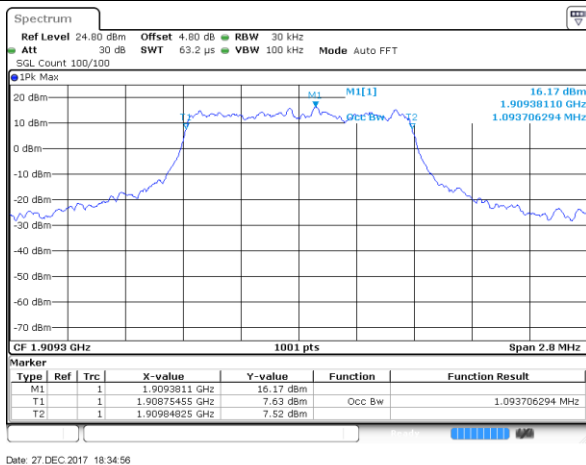
## Middle Channel / 1.4MHz / QPSK



## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



## Highest Channel / 1.4MHz / 16QAM

