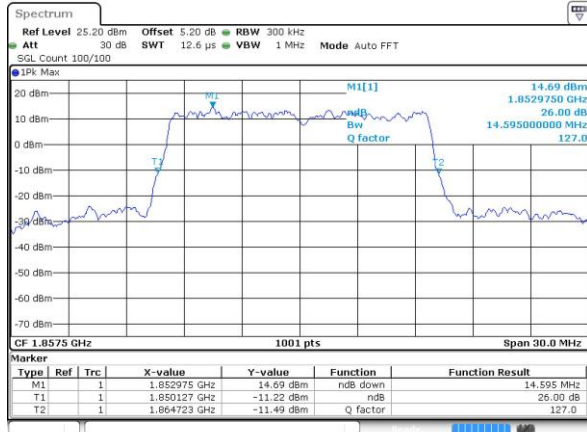


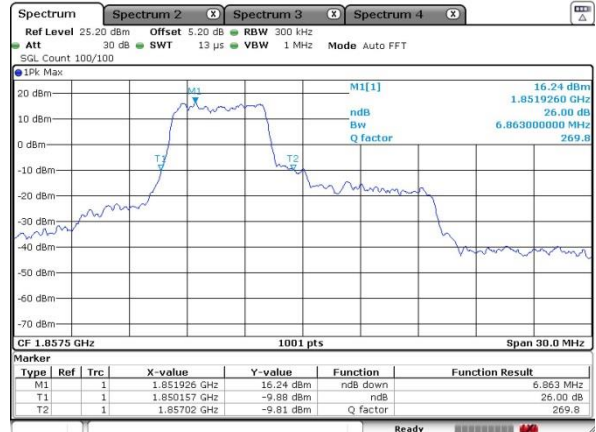


## LTE Band 2

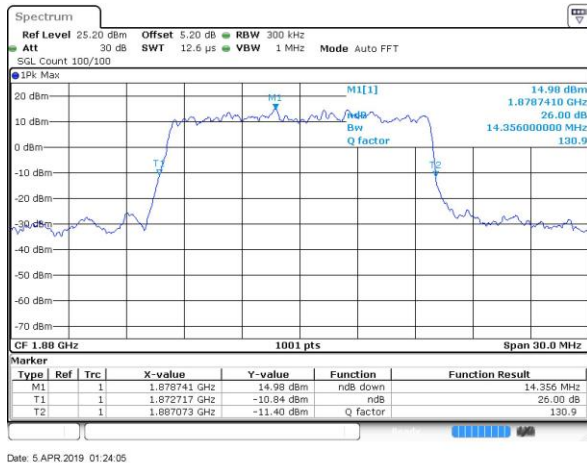
## Lowest Channel / 15MHz / QPSK



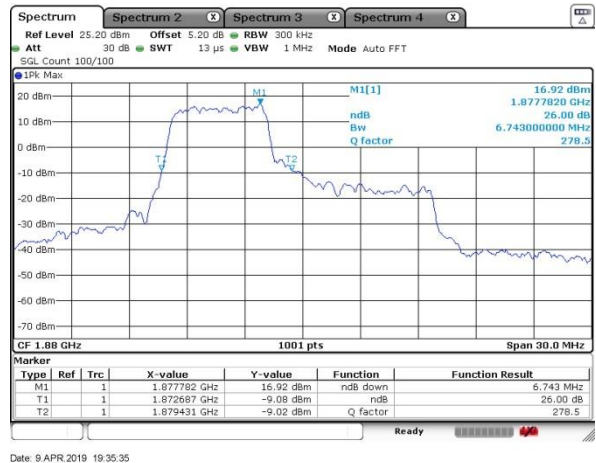
## Lowest Channel / 15MHz / 16QAM



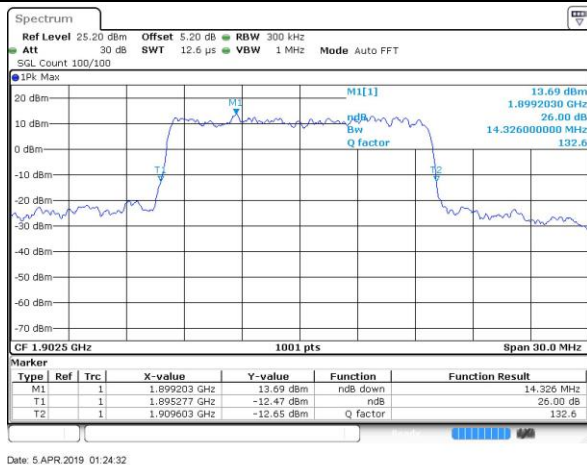
## Middle Channel / 15MHz / QPSK



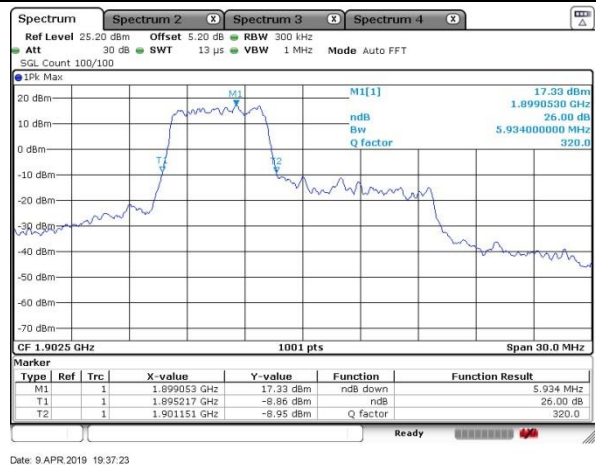
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



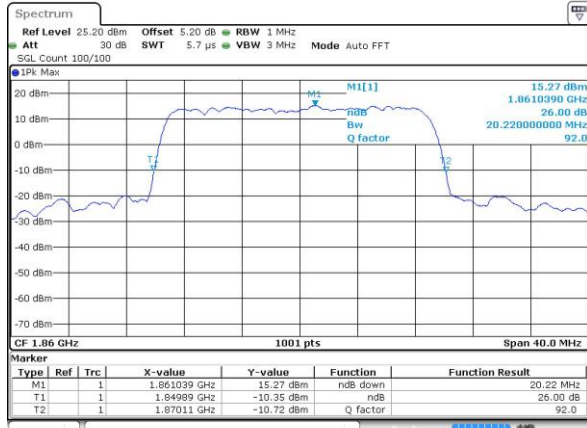
## Highest Channel / 15MHz / 16QAM





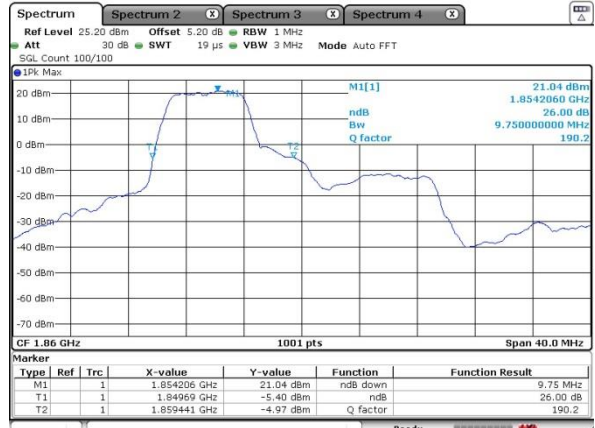
## LTE Band 2

## Lowest Channel / 20MHz / QPSK



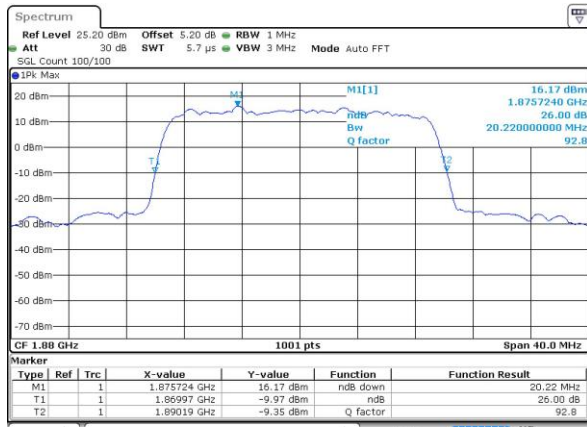
Date: 5 APR 2019 02:03:28

## Lowest Channel / 20MHz / 16QAM



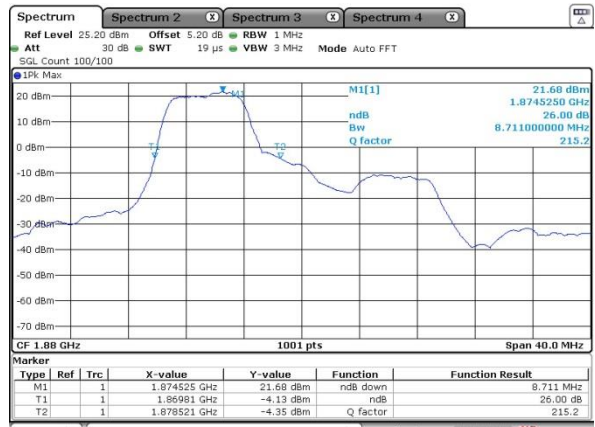
Date: 9 APR 2019 19:42:32

## Middle Channel / 20MHz / QPSK



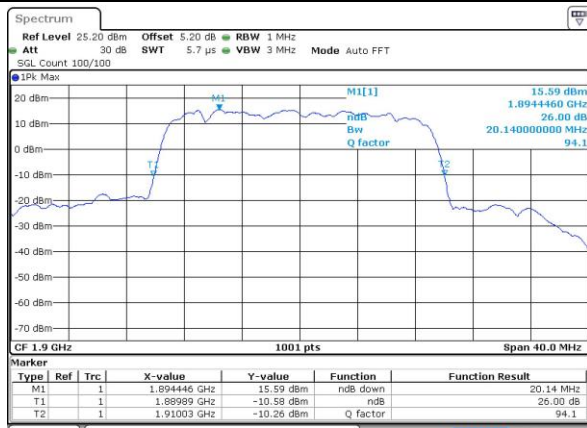
Date: 5 APR 2019 02:03:55

## Middle Channel / 20MHz / 16QAM



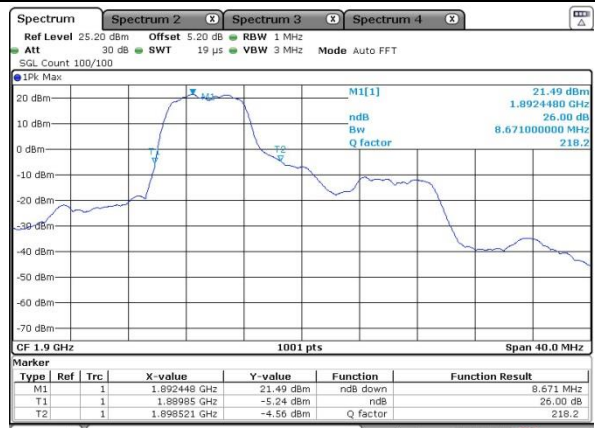
Date: 9 APR 2019 19:46:41

## Highest Channel / 20MHz / QPSK



Date: 5 APR 2019 02:04:19

## Highest Channel / 20MHz / 16QAM

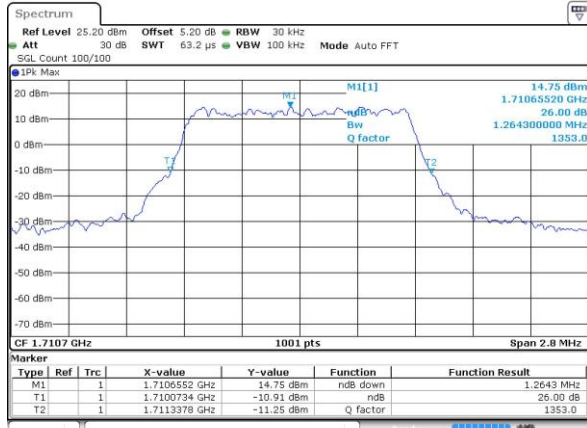


Date: 9 APR 2019 19:49:09



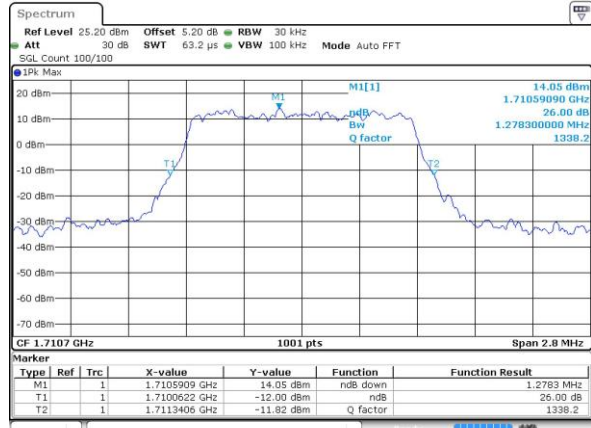
## LTE Band 4

## Lowest Channel / 1.4MHz / QPSK



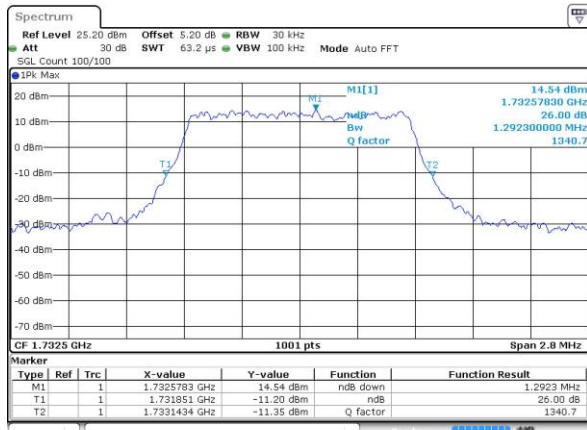
Date: 4 APR 2019 23:03:22

## Lowest Channel / 1.4MHz / 16QAM



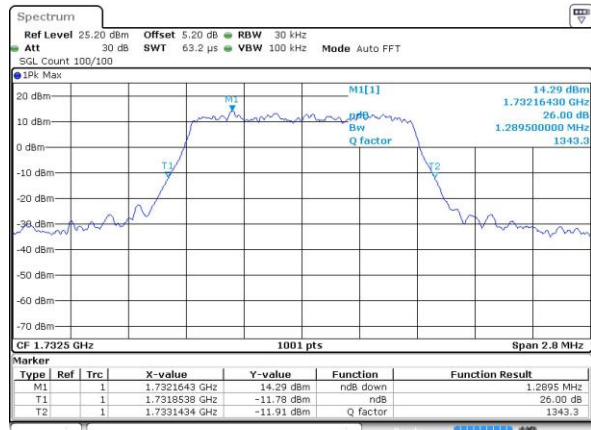
Date: 4 APR 2019 23:03:51

## Middle Channel / 1.4MHz / QPSK



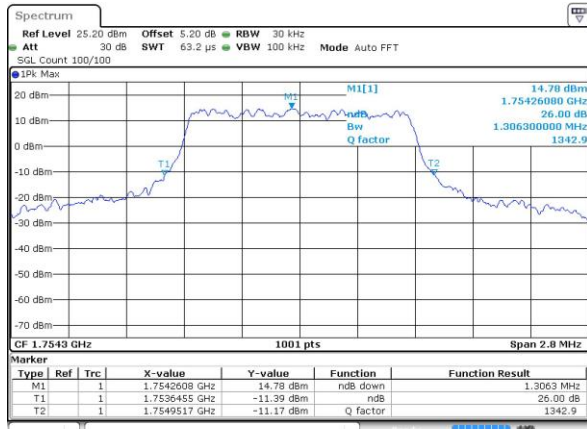
Date: 4 APR 2019 23:04:34

## Middle Channel / 1.4MHz / 16QAM



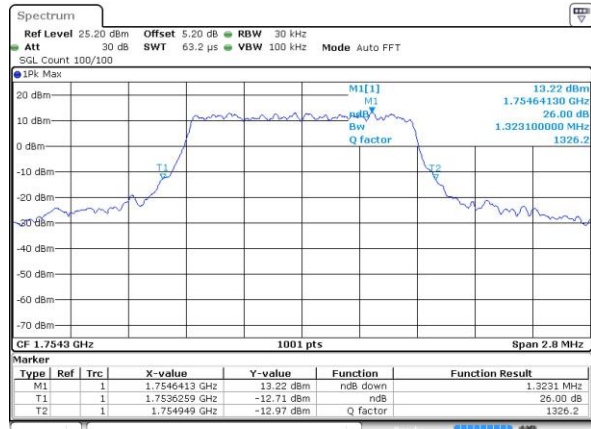
Date: 4 APR 2019 23:05:23

## Highest Channel / 1.4MHz / QPSK



Date: 4 APR 2019 23:06:21

## Highest Channel / 1.4MHz / 16QAM

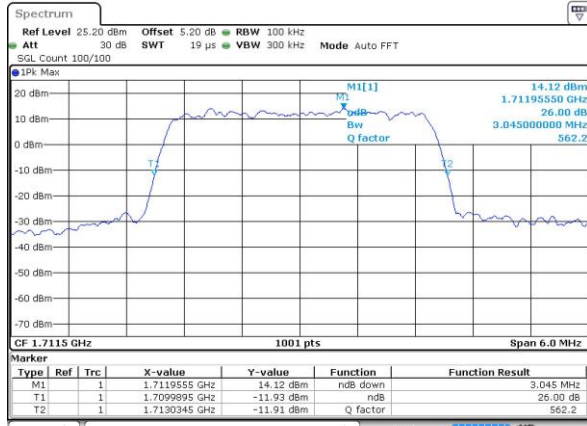


Date: 4 APR 2019 23:06:56



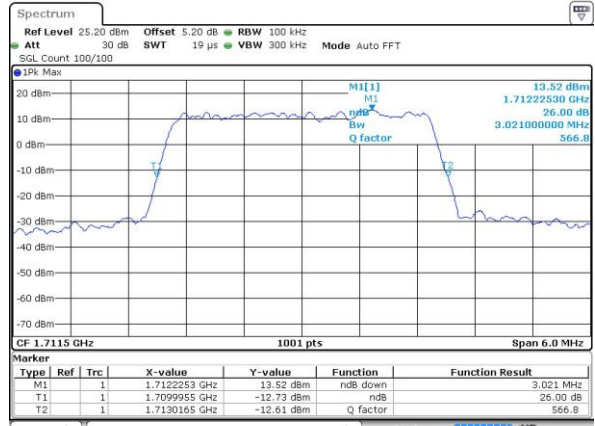
## LTE Band 4

## Lowest Channel / 3MHz / QPSK



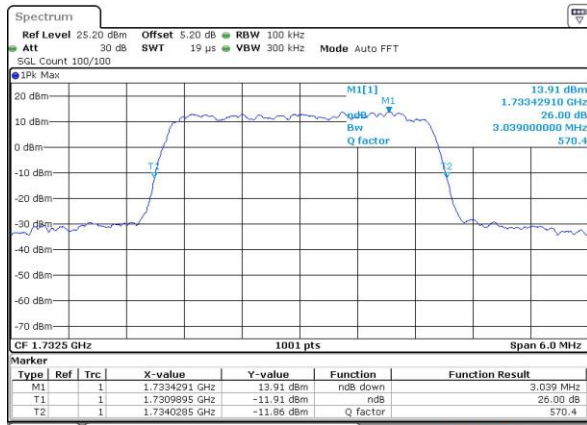
Date: 4 APR 2019 23:30:01

## Lowest Channel / 3MHz / 16QAM



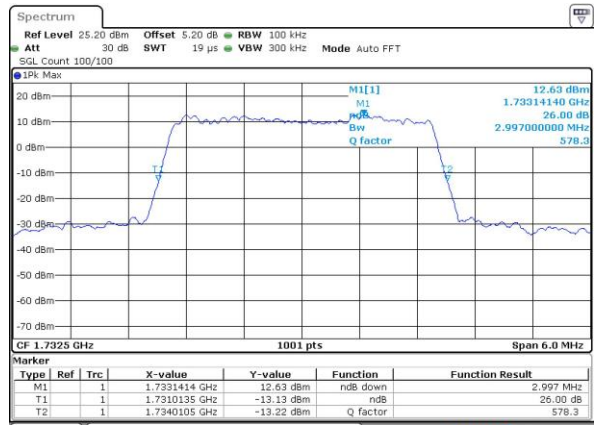
Date: 4 APR 2019 23:30:27

## Middle Channel / 3MHz / QPSK



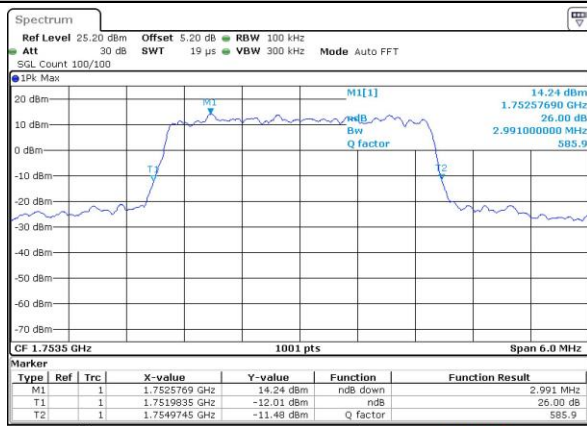
Date: 4 APR 2019 23:31:03

## Middle Channel / 3MHz / 16QAM



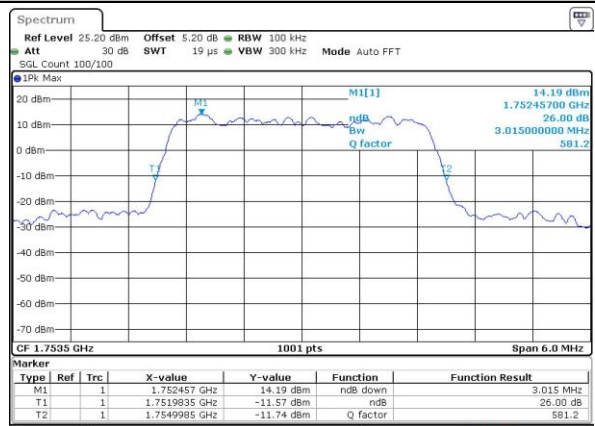
Date: 4 APR 2019 23:31:33

## Highest Channel / 3MHz / QPSK



Date: 4 APR 2019 23:32:04

## Highest Channel / 3MHz / 16QAM

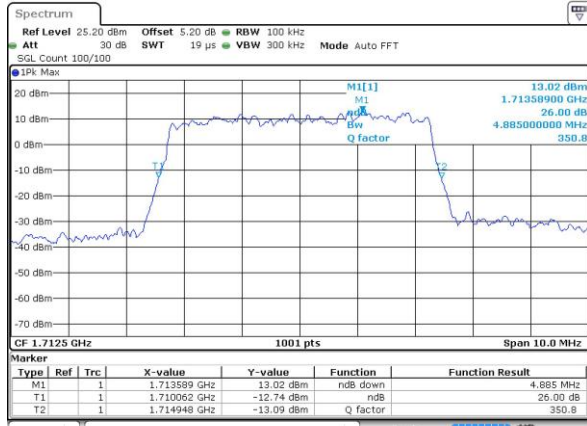


Date: 4 APR 2019 23:32:30

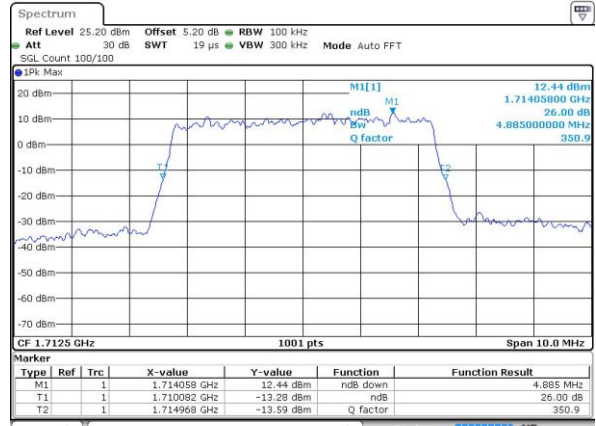


## LTE Band 4

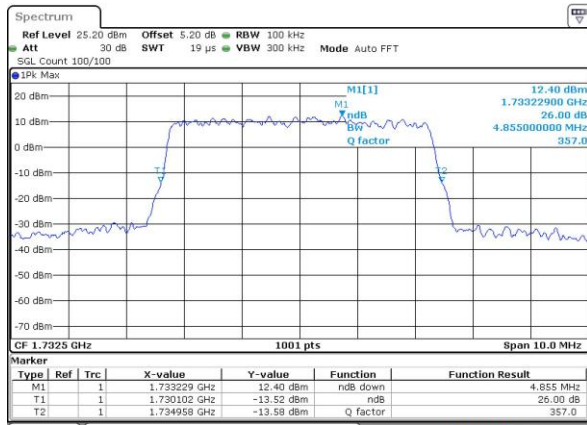
## Lowest Channel / 5MHz / QPSK



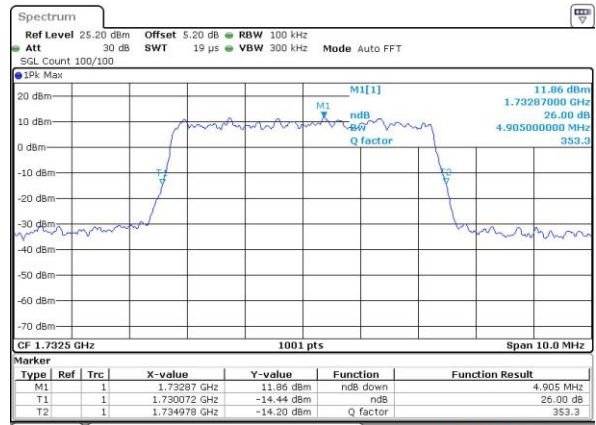
## Lowest Channel / 5MHz / 16QAM



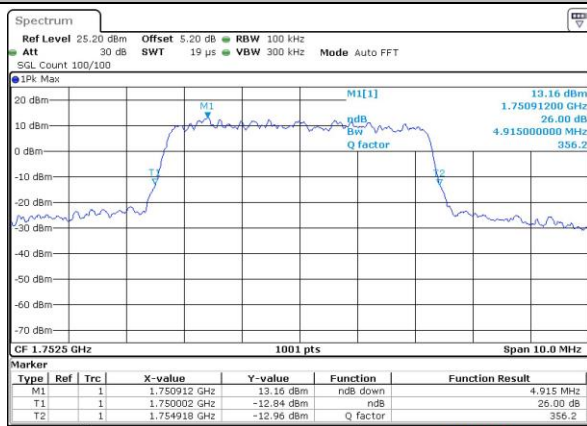
## Middle Channel / 5MHz / QPSK



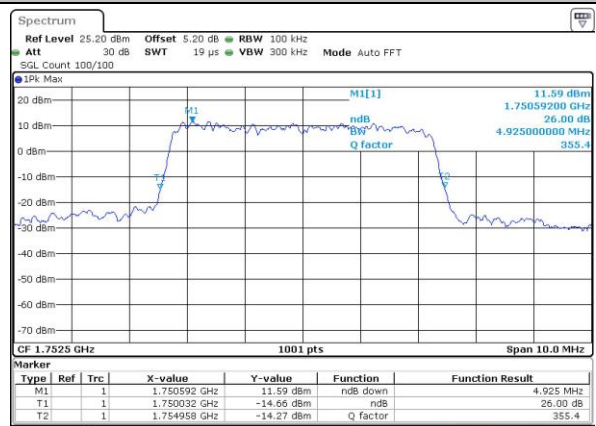
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



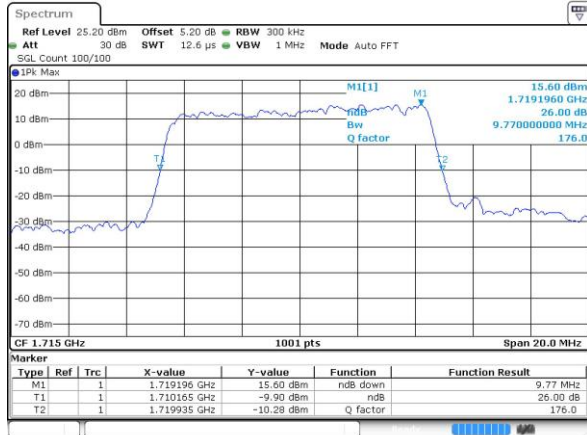
## Highest Channel / 5MHz / 16QAM



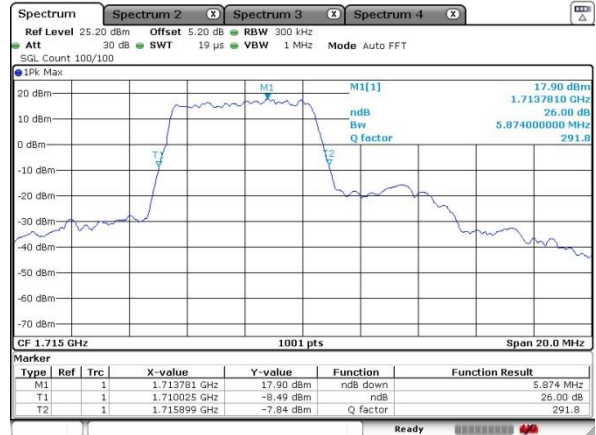


## LTE Band 4

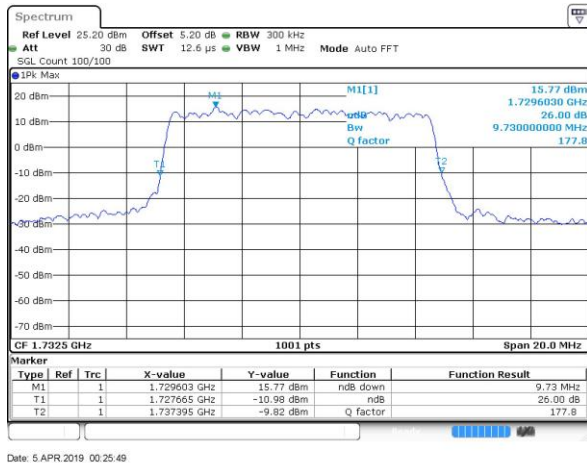
## Lowest Channel / 10MHz / QPSK



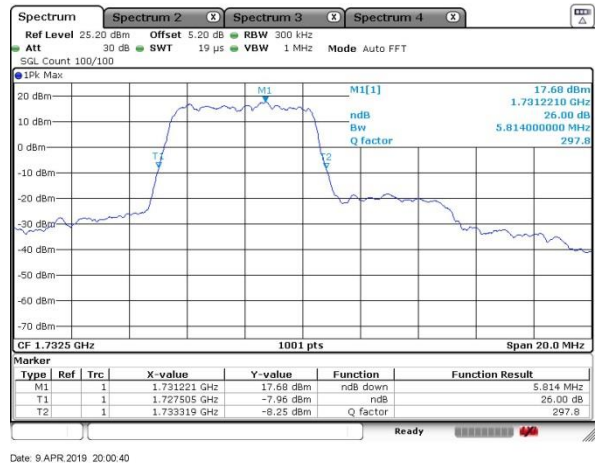
## Lowest Channel / 10MHz / 16QAM



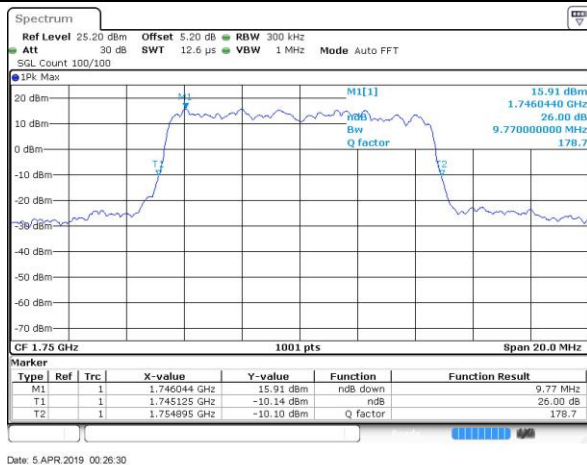
## Middle Channel / 10MHz / QPSK



## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



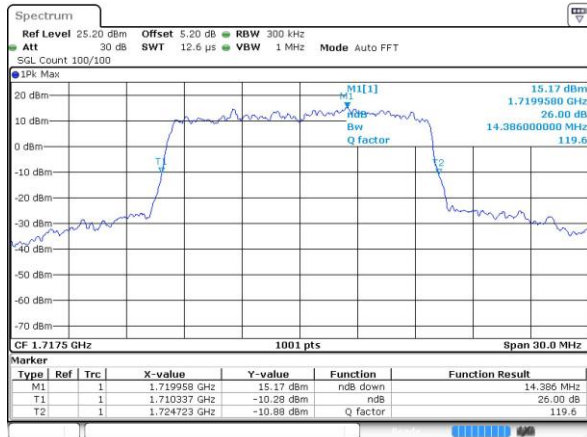
## Highest Channel / 10MHz / 16QAM



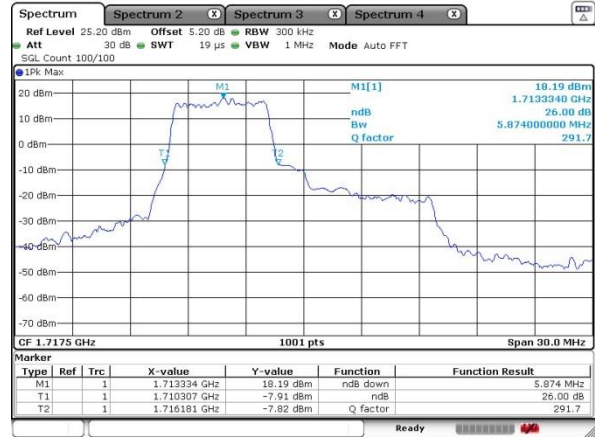


## LTE Band 4

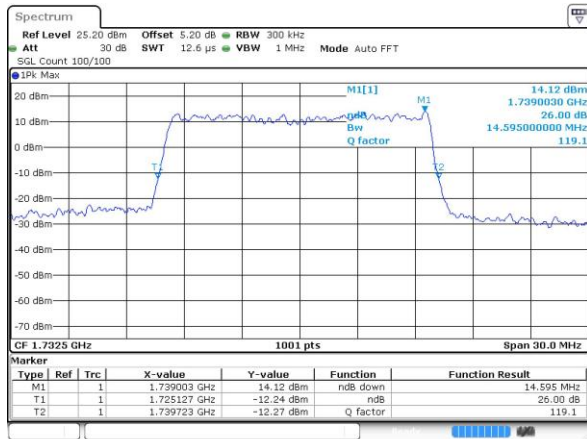
## Lowest Channel / 15MHz / QPSK



## Lowest Channel / 15MHz / 16QAM



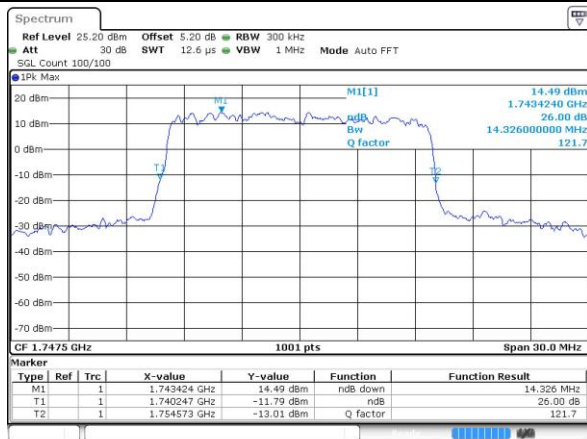
## Middle Channel / 15MHz / QPSK



## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



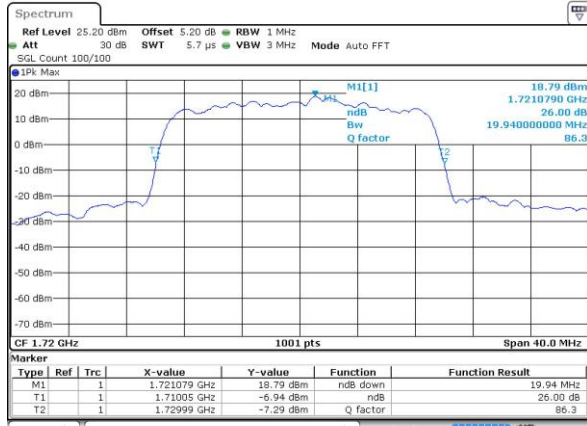
## Highest Channel / 15MHz / 16QAM





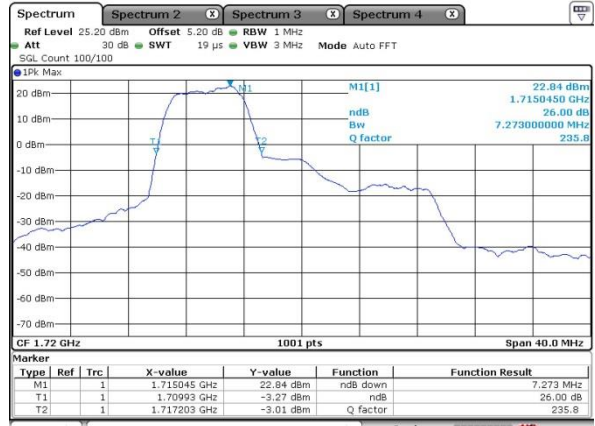
## LTE Band 4

## Lowest Channel / 20MHz / QPSK



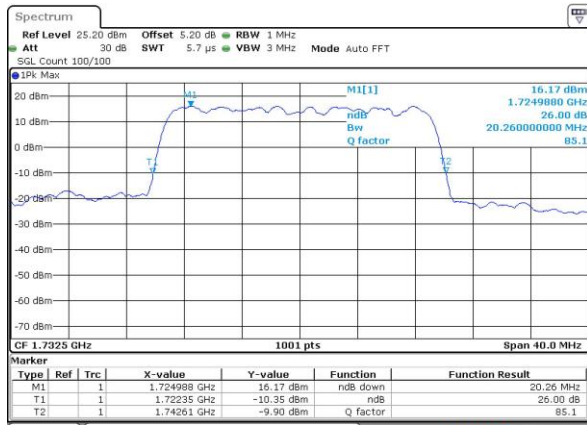
Date: 5 APR 2019 01:43:11

## Lowest Channel / 20MHz / 16QAM



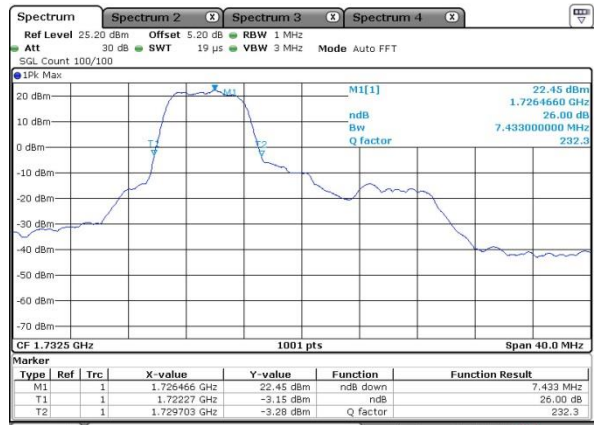
Date: 9 APR 2019 20:16:32

## Middle Channel / 20MHz / QPSK



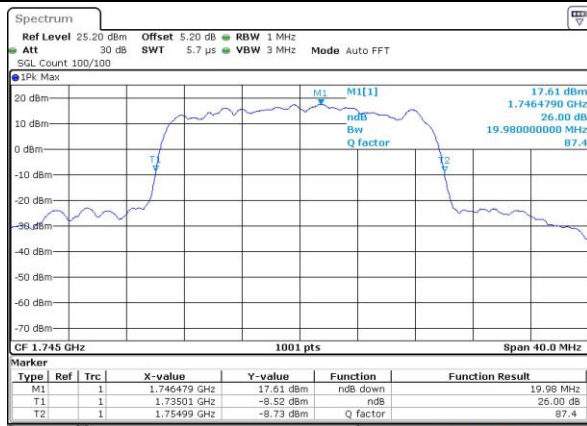
Date: 5 APR 2019 01:43:39

## Middle Channel / 20MHz / 16QAM



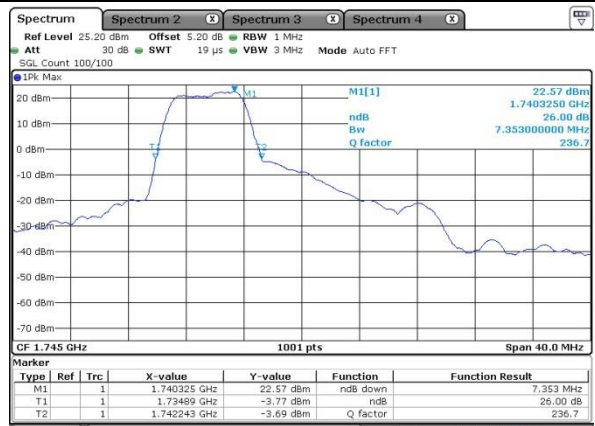
Date: 9 APR 2019 20:21:23

## Highest Channel / 20MHz / QPSK



Date: 5 APR 2019 01:44:45

## Highest Channel / 20MHz / 16QAM

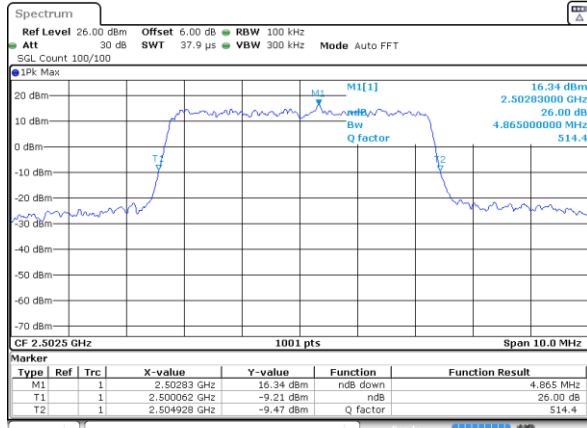


Date: 9 APR 2019 20:22:53



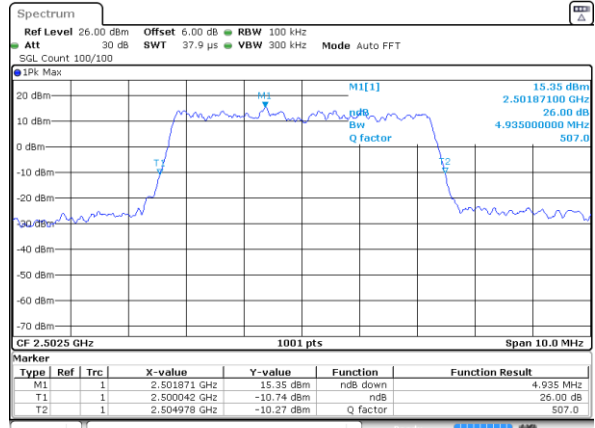
## LTE Band 7

## Lowest Channel / 5MHz / QPSK



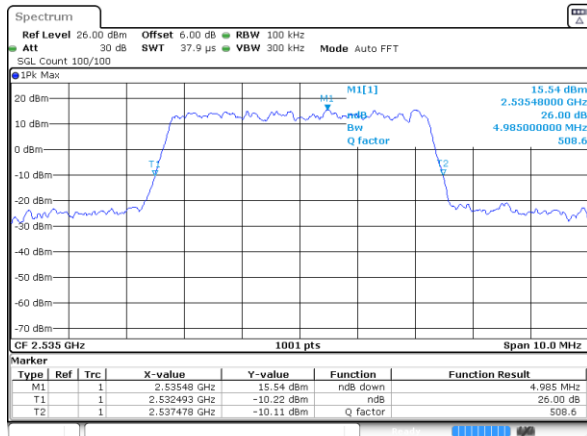
Date: 29 JUN 2020 03:20:39

## Lowest Channel / 5MHz / 16QAM



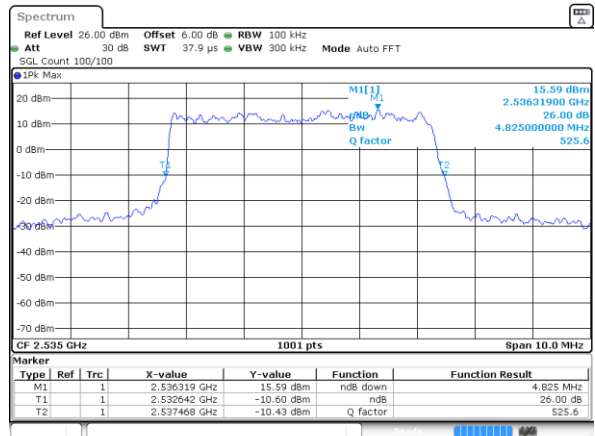
Date: 29 JUN 2020 03:20:59

## Middle Channel / 5MHz / QPSK



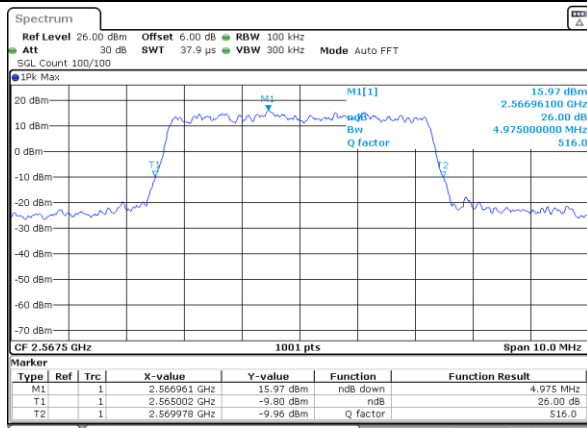
Date: 29 JUN 2020 04:03:53

## Middle Channel / 5MHz / 16QAM



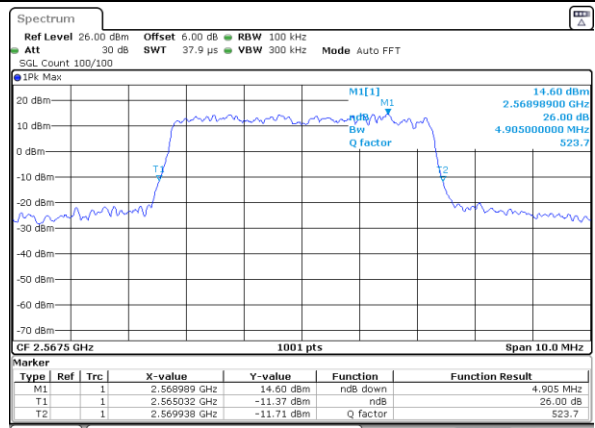
Date: 29 JUN 2020 03:21:19

## Highest Channel / 5MHz / QPSK



Date: 29 JUN 2020 04:04:13

## Highest Channel / 5MHz / 16QAM

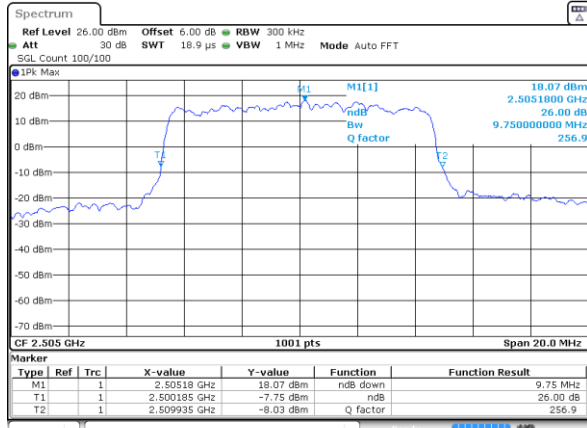


Date: 29 JUN 2020 04:04:33



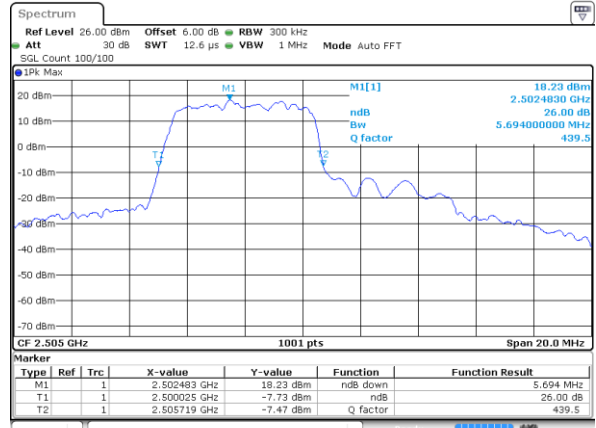
## LTE Band 7

## Lowest Channel / 10MHz / QPSK



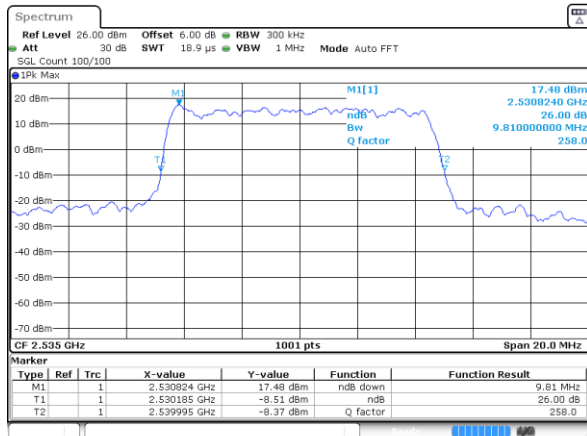
Date: 29 JUN 2020 03:37:09

## Lowest Channel / 10MHz / 16QAM



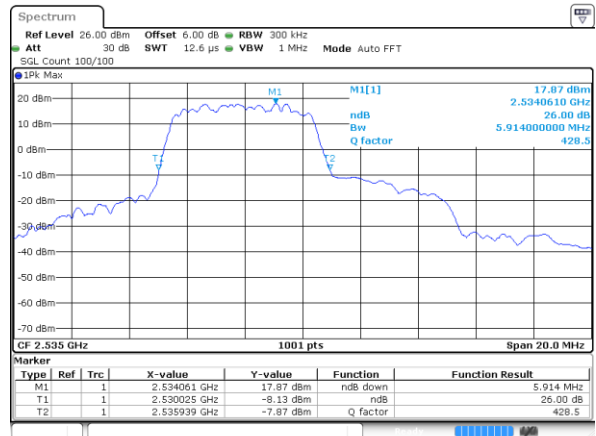
Date: 3 JUL 2020 05:48:39

## Middle Channel / 10MHz / QPSK



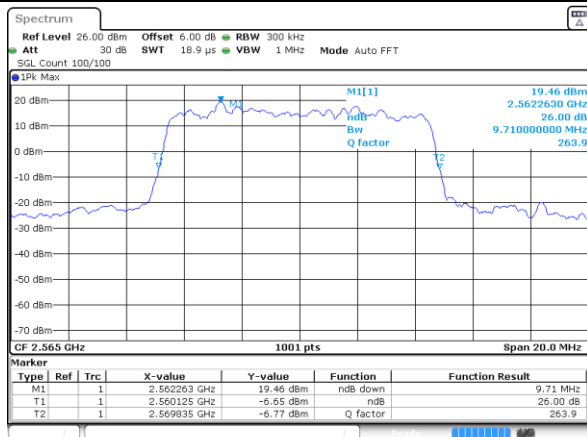
Date: 29 JUN 2020 03:44:43

## Middle Channel / 10MHz / 16QAM



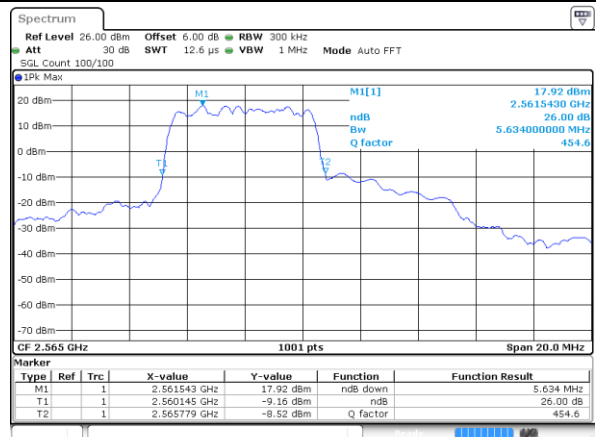
Date: 3 JUL 2020 05:51:59

## Highest Channel / 10MHz / QPSK



Date: 29 JUN 2020 03:45:03

## Highest Channel / 10MHz / 16QAM

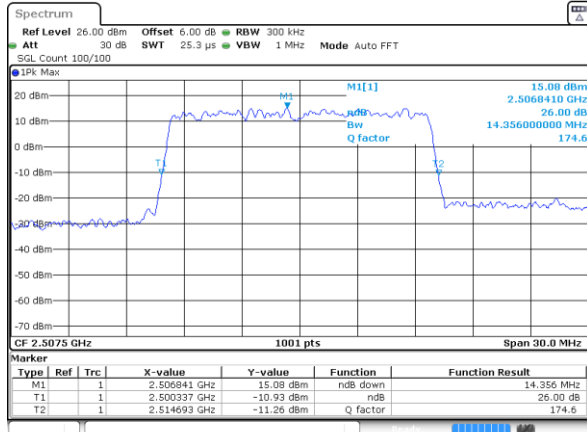


Date: 3 JUL 2020 05:52:48

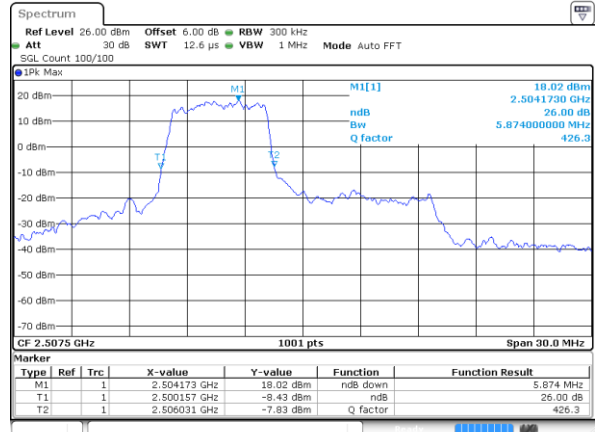


## LTE Band 7

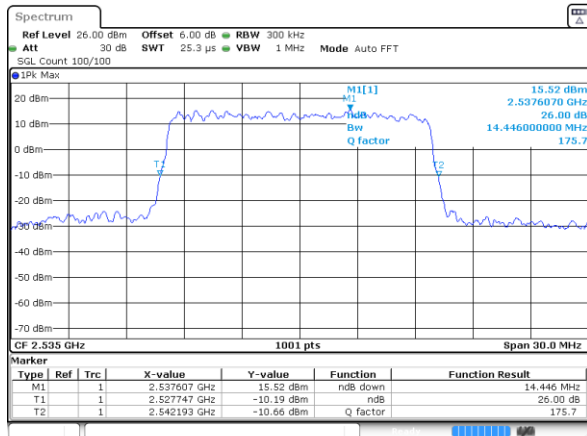
## Lowest Channel / 15MHz / QPSK



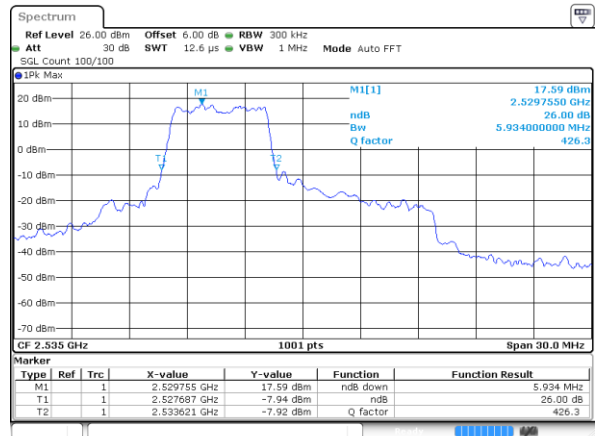
## Lowest Channel / 15MHz / 16QAM



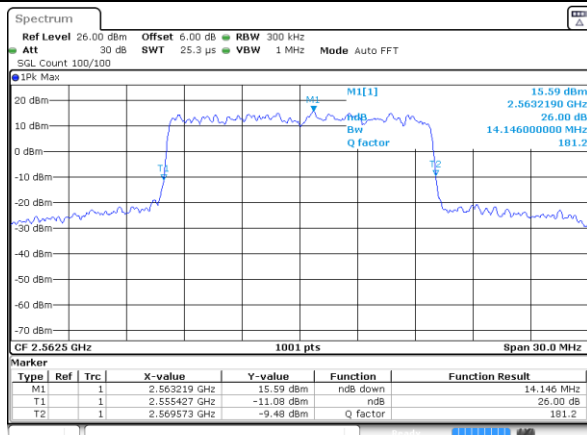
## Middle Channel / 15MHz / QPSK



## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



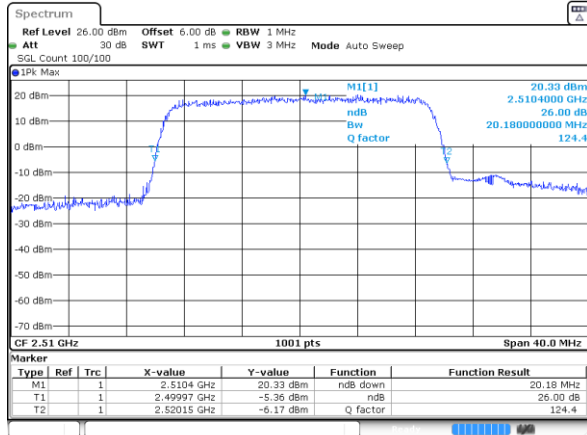
## Highest Channel / 15MHz / 16QAM





## LTE Band 7

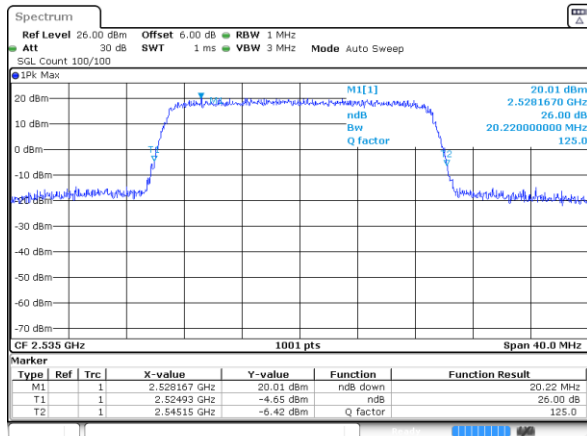
## Lowest Channel / 20MHz / QPSK



## Lowest Channel / 20MHz / 16QAM



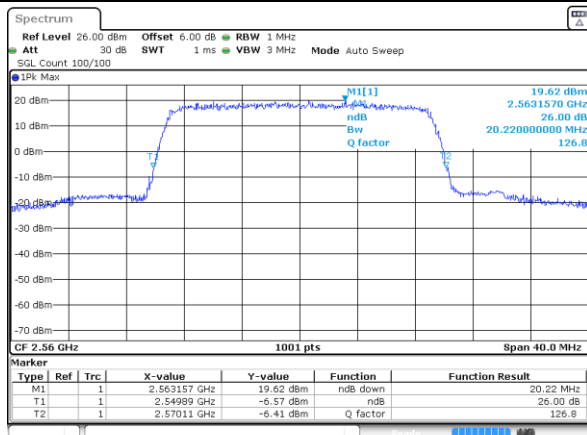
## Middle Channel / 20MHz / QPSK



## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



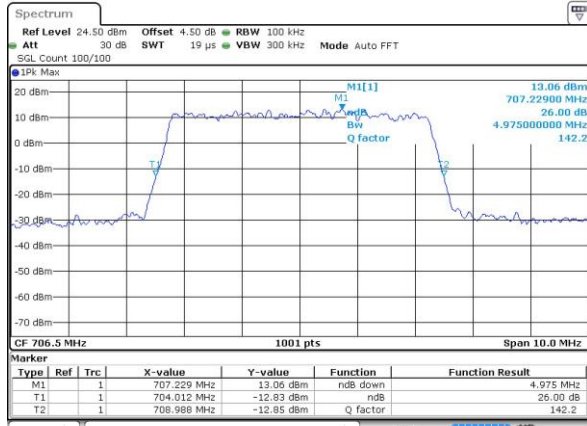
## Highest Channel / 20MHz / 16QAM



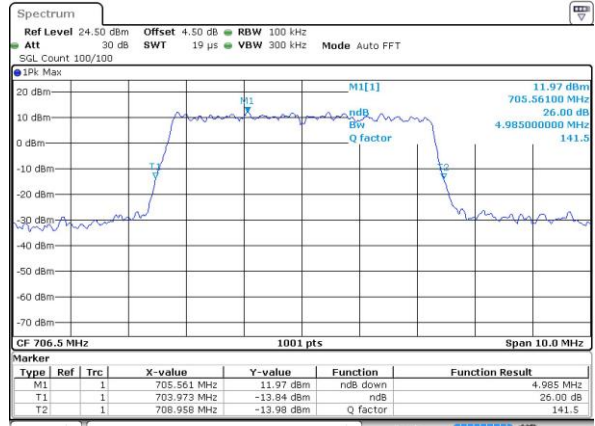


## LTE Band 17

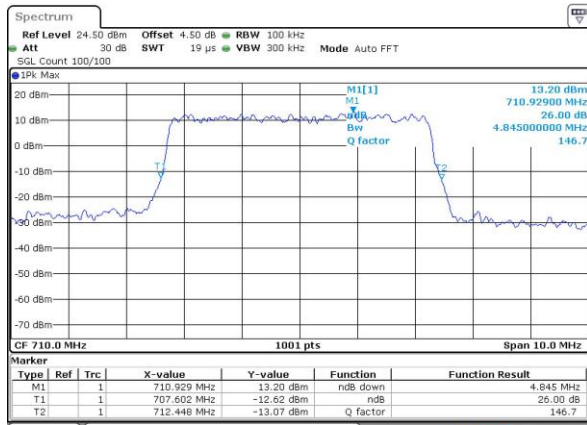
## Lowest Channel / 5MHz / QPSK



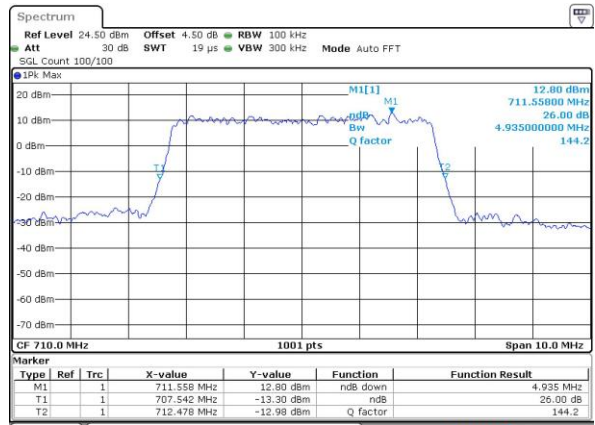
## Lowest Channel / 5MHz / 16QAM



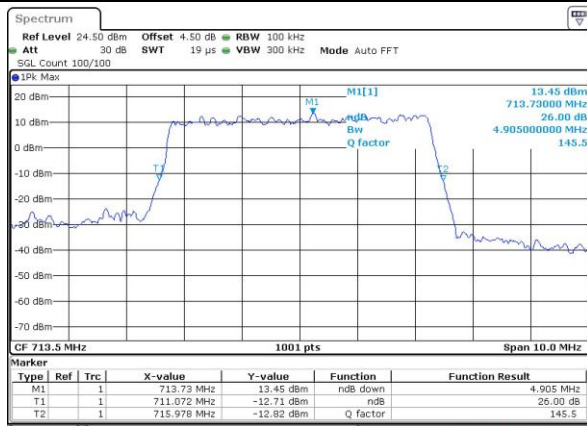
## Middle Channel / 5MHz / QPSK



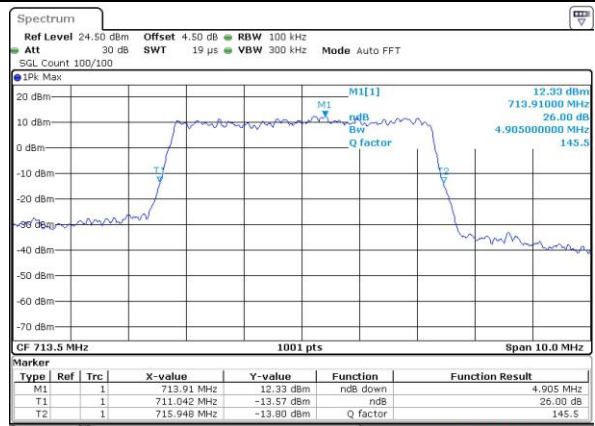
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



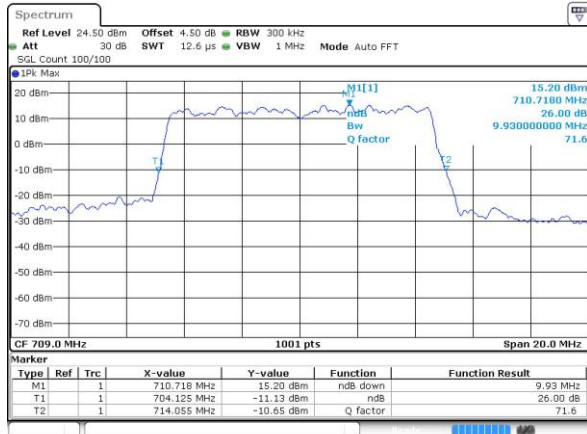
## Highest Channel / 5MHz / 16QAM





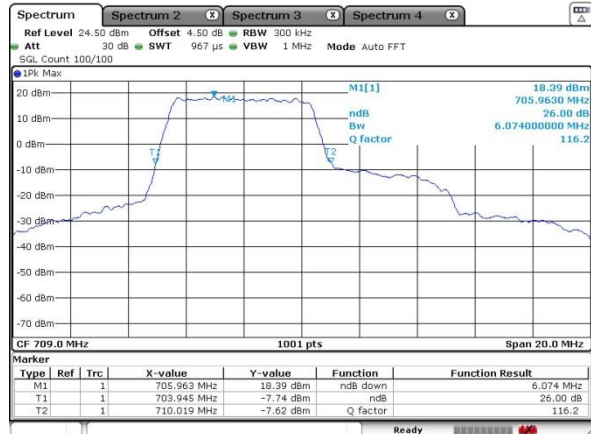
## LTE Band 17

## Lowest Channel / 10MHz / QPSK



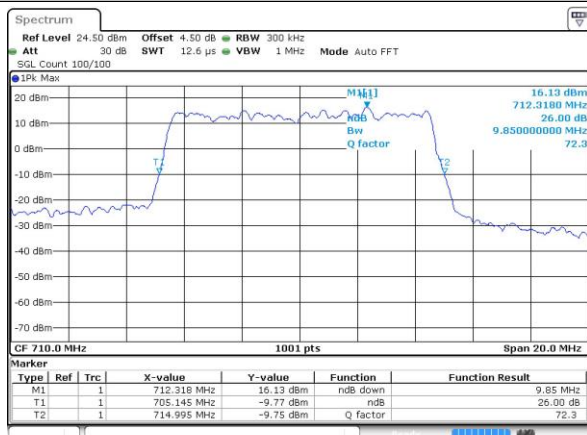
Date: 5 APR 2019 01:11:24

## Lowest Channel / 10MHz / 16QAM



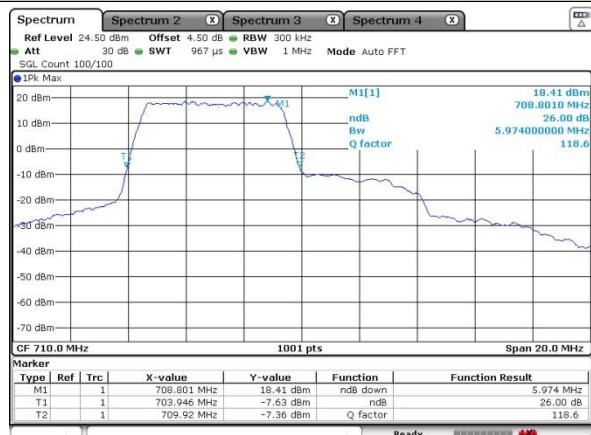
Date: 10 APR 2019 08:52:20

## Middle Channel / 10MHz / QPSK



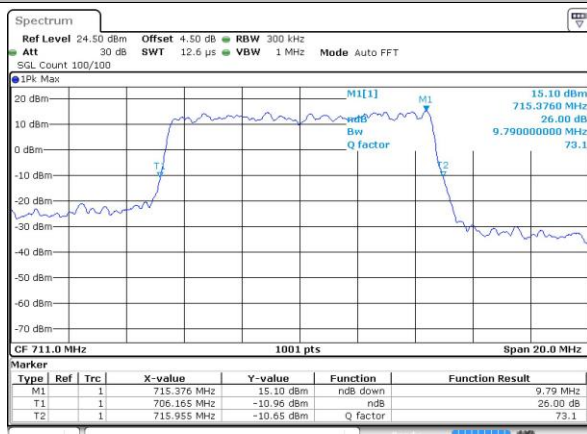
Date: 5 APR 2019 01:11:51

## Middle Channel / 10MHz / 16QAM



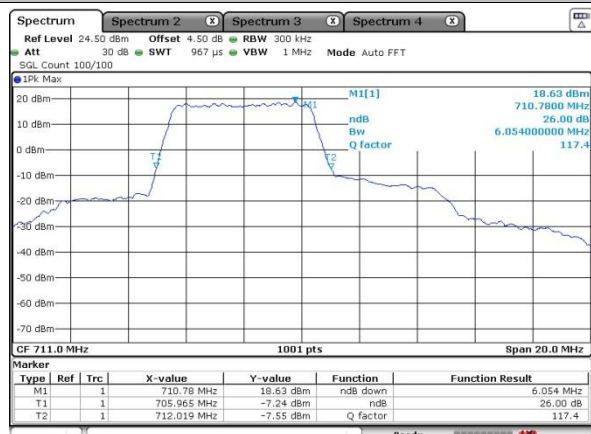
Date: 10 APR 2019 08:58:48

## Highest Channel / 10MHz / QPSK



Date: 5 APR 2019 01:12:17

## Highest Channel / 10MHz / 16QAM



Date: 10 APR 2019 09:04:45

**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                     | 1.10  | 2.71 | 2.73  | 4.78 | 4.49  | 9.01  | 5.04  | 13.43 | 5.06  | 18.30 | 9.43  |
| Middle CH  | 1.09                     | 1.10  | 2.72 | 2.72  | 4.50 | 4.52  | 9.05  | 5.13  | 13.43 | 5.06  | 18.26 | 6.03  |
| Highest CH | 1.09                     | 1.09  | 2.73 | 2.72  | 4.49 | 4.48  | 8.97  | 5.01  | 13.40 | 5.03  | 18.30 | 5.91  |

| 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  | 2.71 | 2.72  | 4.50 | 4.49  | 9.03  | 5.87  | 13.37 | 5.87  | 17.98 | 5.95  |
| Middle CH  | 1.10                     | 1.09  | 2.71 | 2.71  | 4.50 | 4.50  | 9.01  | 5.81  | 13.43 | 5.84  | 18.58 | 5.91  |
| Highest CH | 1.09                     | 1.10  | 2.73 | 2.72  | 4.48 | 4.49  | 8.95  | 5.77  | 13.31 | 5.51  | 18.26 | 5.95  |

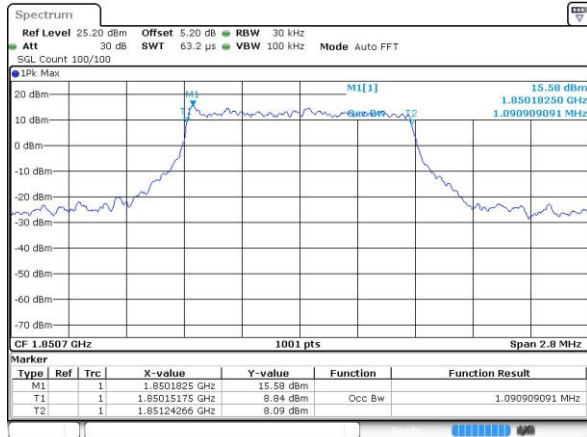
| Mode       | LTE Band 7 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                        | -     | -    | -     | 4.50 | 4.47  | 8.99  | 5.03  | 13.40 | 5.03  | 18.30 | 5.27  |
| Middle CH  | -                        | -     | -    | -     | 4.48 | 4.49  | 9.01  | 5.01  | 13.46 | 5.00  | 18.38 | 5.11  |
| Highest CH | -                        | -     | -    | -     | 4.51 | 4.48  | 8.99  | 5.05  | 13.40 | 5.03  | 18.30 | 5.03  |

| Mode       | LTE Band 17 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | -                         | -     | -    | -     | 4.50 | 4.52  | 8.99  | 5.09  | -     | -     | -     | -     |
| Middle CH  | -                         | -     | -    | -     | 4.50 | 4.50  | 9.13  | 5.03  | -     | -     | -     | -     |
| Highest CH | -                         | -     | -    | -     | 4.52 | 4.48  | 9.03  | 5.01  | -     | -     | -     | -     |

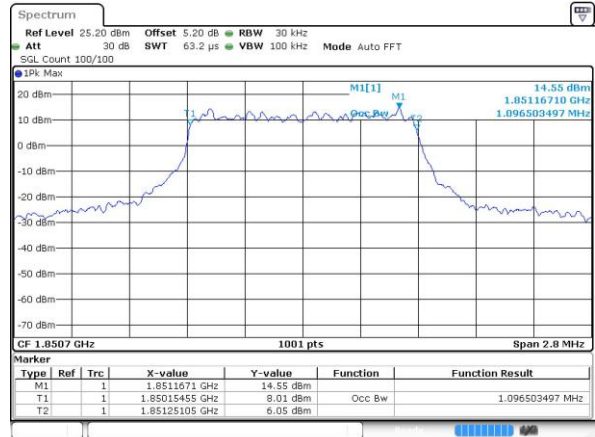


## LTE Band 2

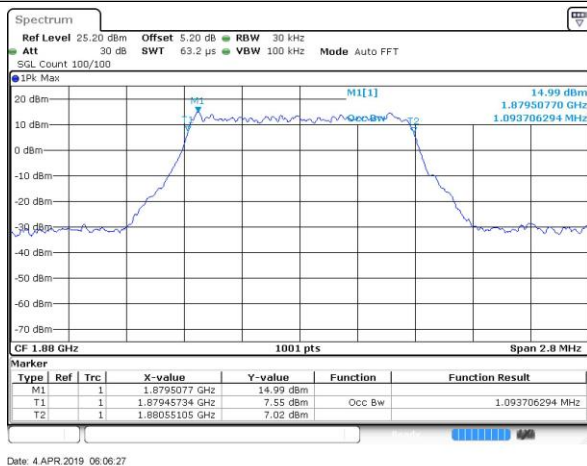
## Lowest Channel / 1.4MHz / QPSK



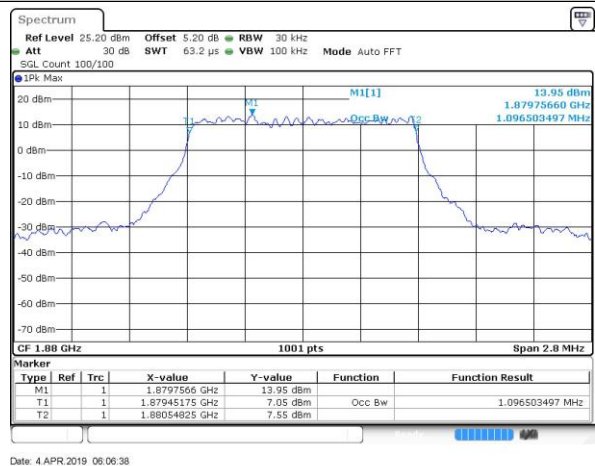
## Lowest Channel / 1.4MHz / 16QAM



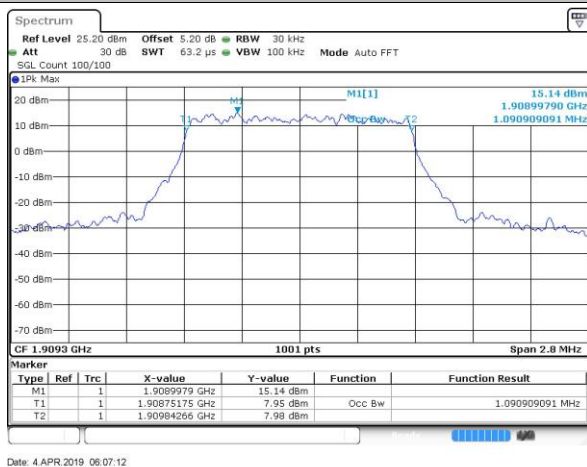
## Middle Channel / 1.4MHz / QPSK



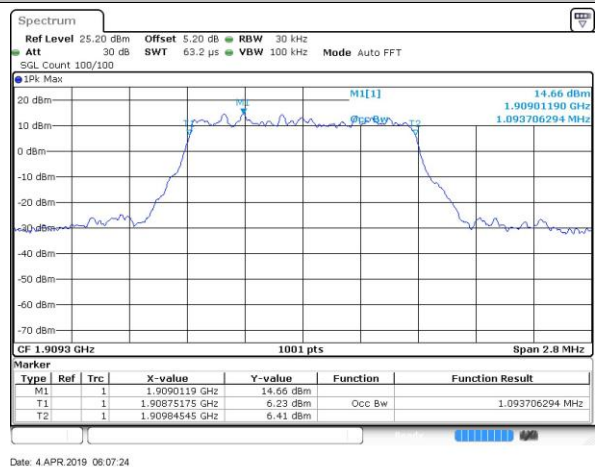
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



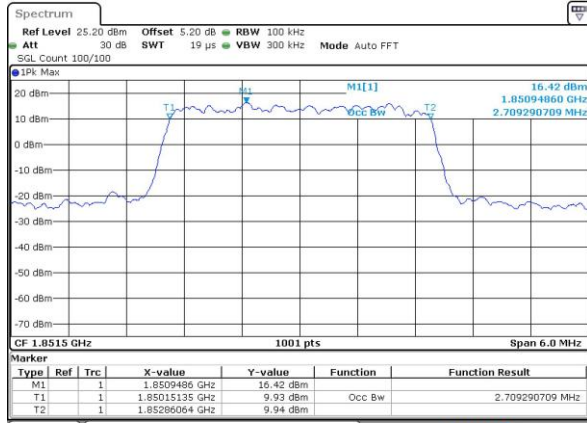
## Highest Channel / 1.4MHz / 16QAM





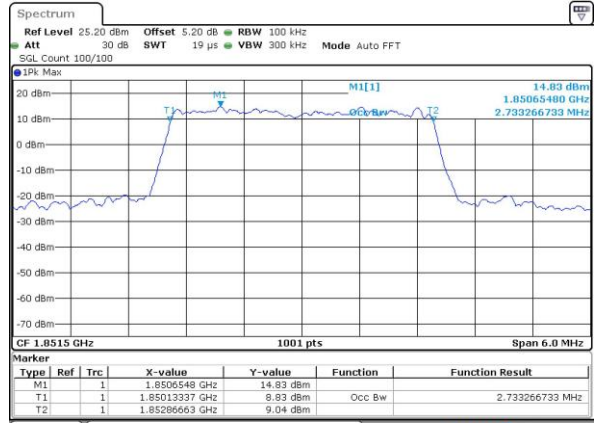
## LTE Band 2

## Lowest Channel / 3MHz / QPSK



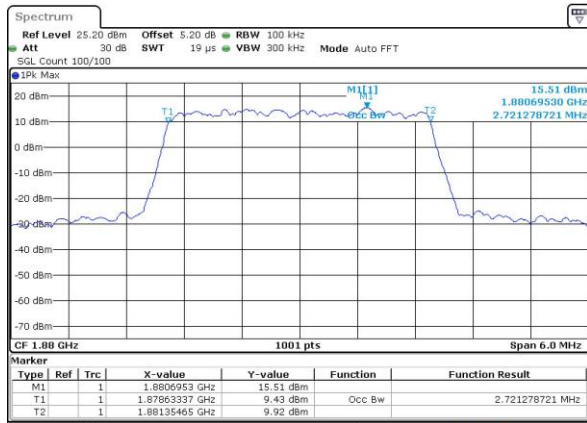
Date: 4 APR 2019 06:12:06

## Lowest Channel / 3MHz / 16QAM



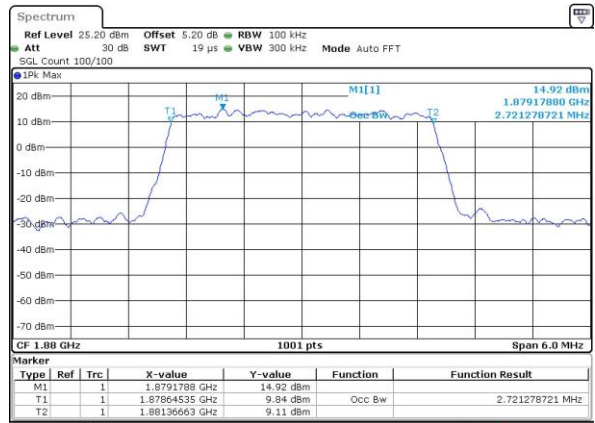
Date: 4 APR 2019 06:12:17

## Middle Channel / 3MHz / QPSK



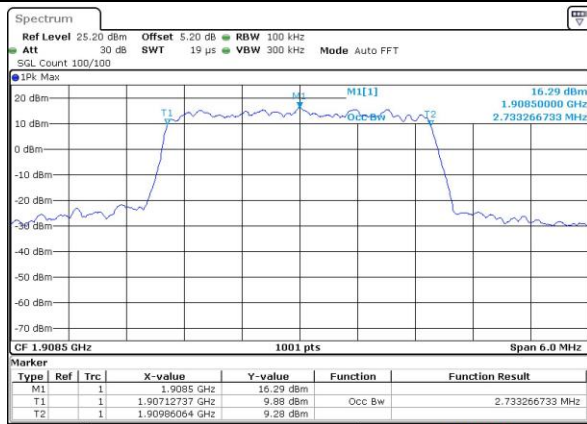
Date: 4 APR 2019 06:16:46

## Middle Channel / 3MHz / 16QAM



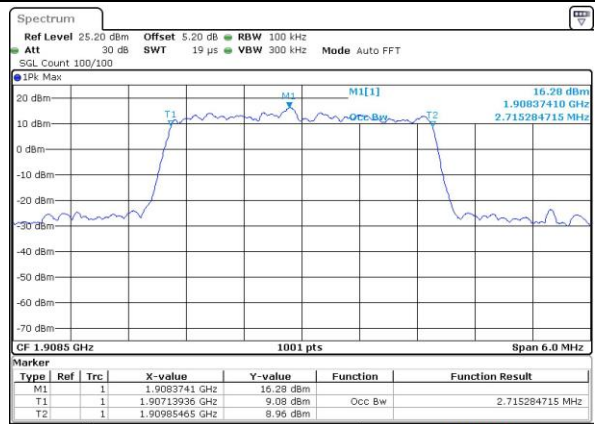
Date: 4 APR 2019 06:16:56

## Highest Channel / 3MHz / QPSK



Date: 4 APR 2019 06:17:32

## Highest Channel / 3MHz / 16QAM

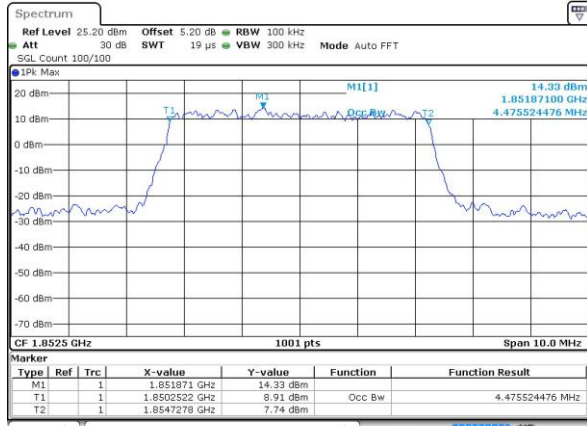


Date: 4 APR 2019 06:17:43



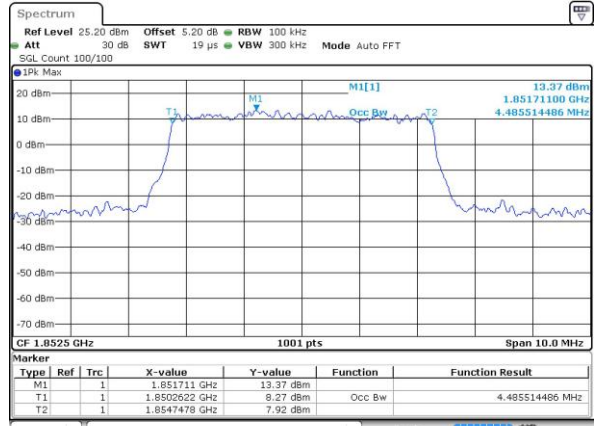
## LTE Band 2

## Lowest Channel / 5MHz / QPSK



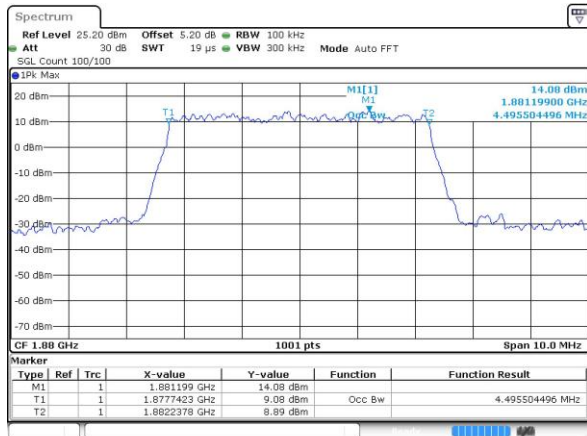
Date: 4 APR 2019 06:22:12

## Lowest Channel / 5MHz / 16QAM



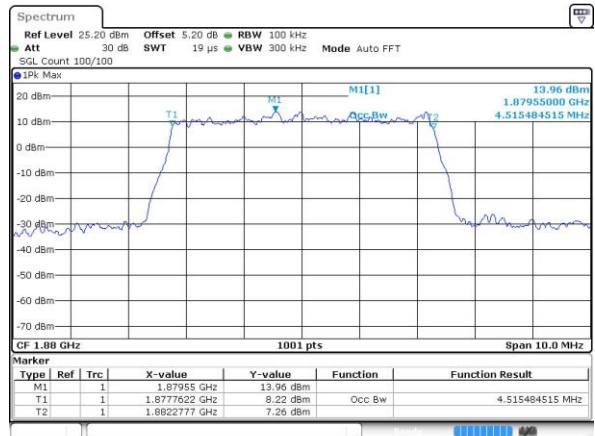
Date: 4 APR 2019 06:22:24

## Middle Channel / 5MHz / QPSK



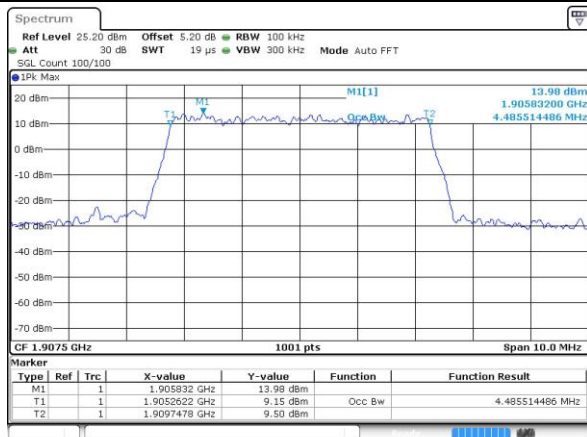
Date: 4 APR 2019 06:26:53

## Middle Channel / 5MHz / 16QAM



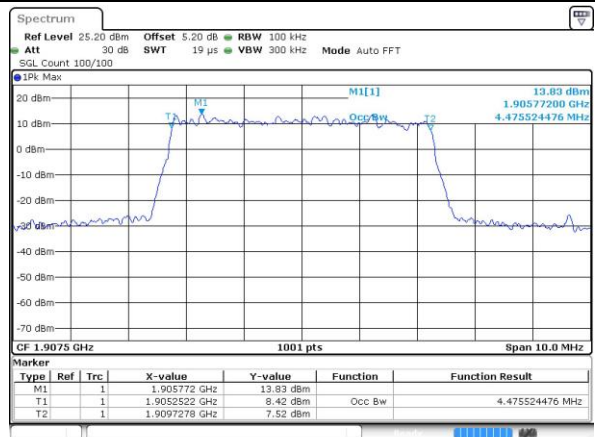
Date: 4 APR 2019 06:27:04

## Highest Channel / 5MHz / QPSK



Date: 4 APR 2019 06:27:38

## Highest Channel / 5MHz / 16QAM

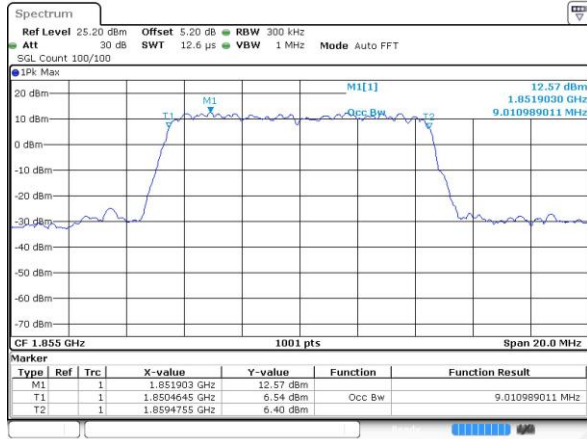


Date: 4 APR 2019 06:27:50

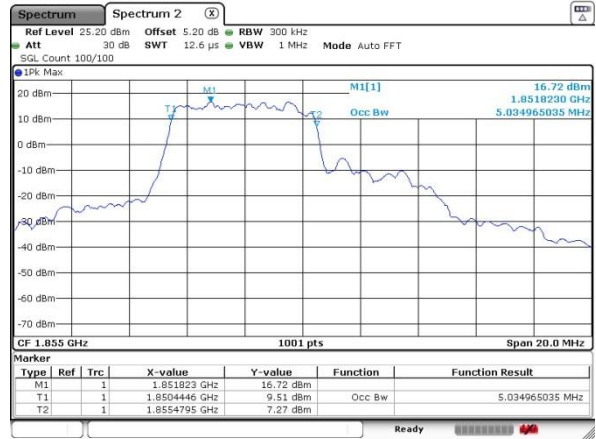


## LTE Band 2

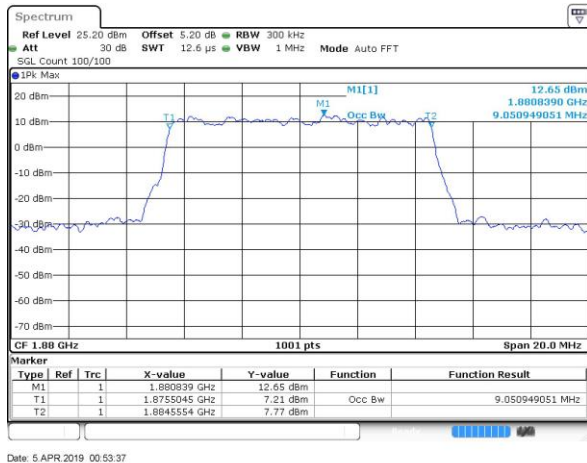
## Lowest Channel / 10MHz / QPSK



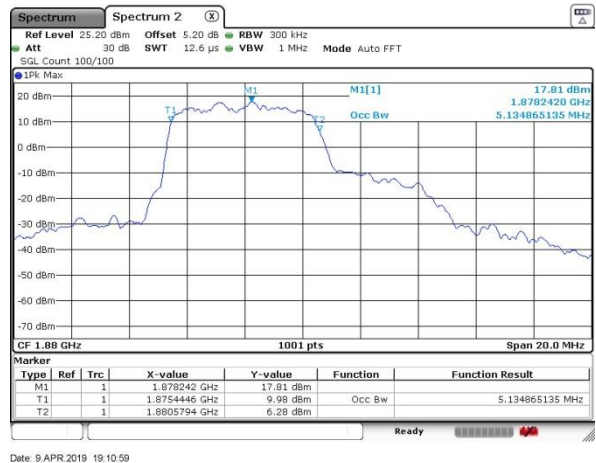
## Lowest Channel / 10MHz / 16QAM



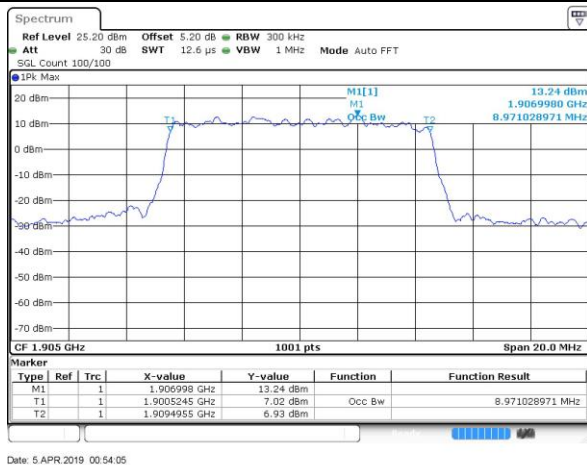
## Middle Channel / 10MHz / QPSK



## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



## Highest Channel / 10MHz / 16QAM

