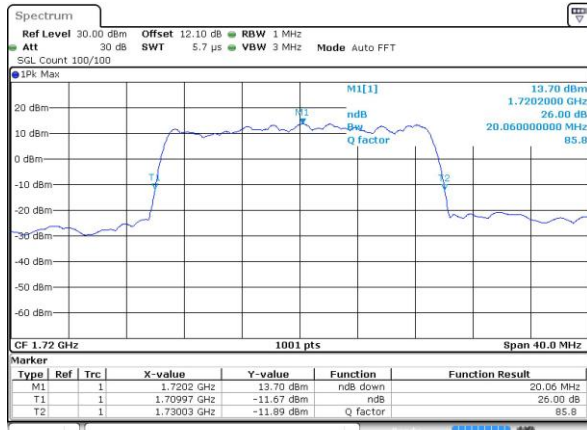




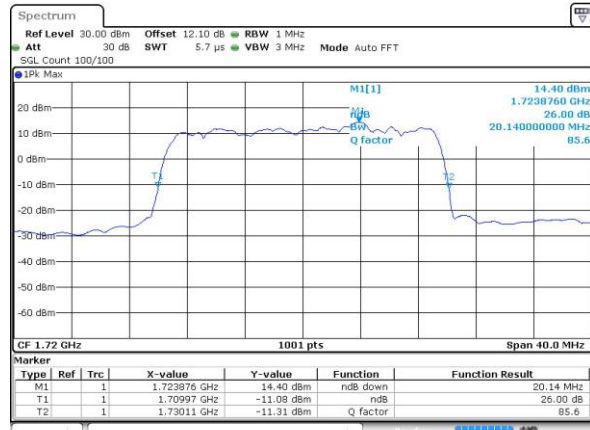
## LTE Band 4

## Lowest Channel / 20MHz / QPSK



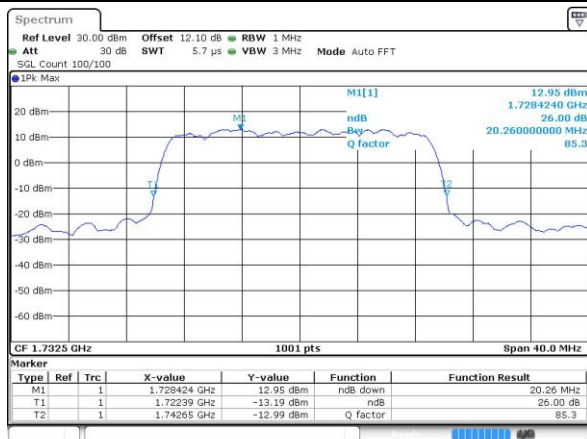
Date: 1 MAR 2019 01:03:22

## Lowest Channel / 20MHz / 16QAM



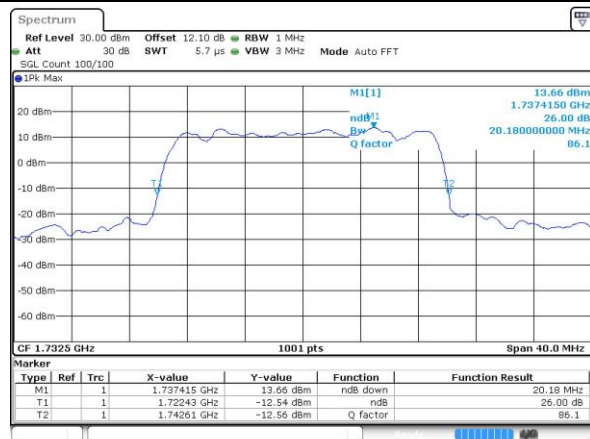
Date: 1 MAR 2019 01:03:34

## Middle Channel / 20MHz / QPSK



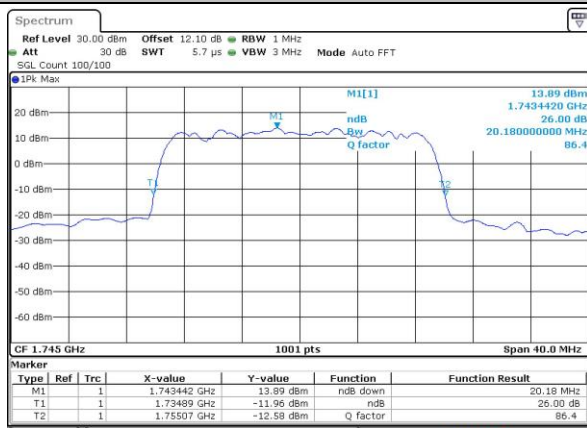
Date: 1 MAR 2019 01:10:10

## Middle Channel / 20MHz / 16QAM



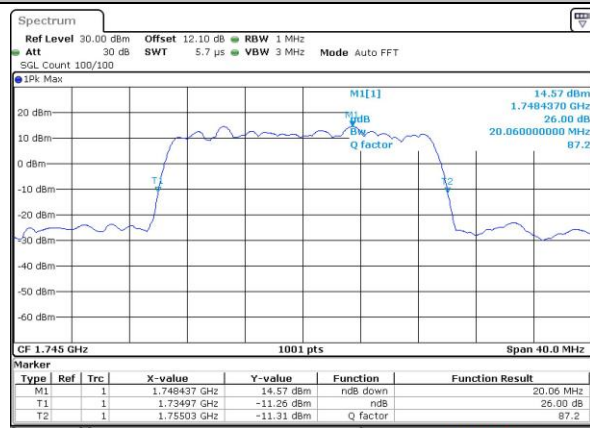
Date: 1 MAR 2019 01:10:21

## Highest Channel / 20MHz / QPSK



Date: 1 MAR 2019 01:12:58

## Highest Channel / 20MHz / 16QAM

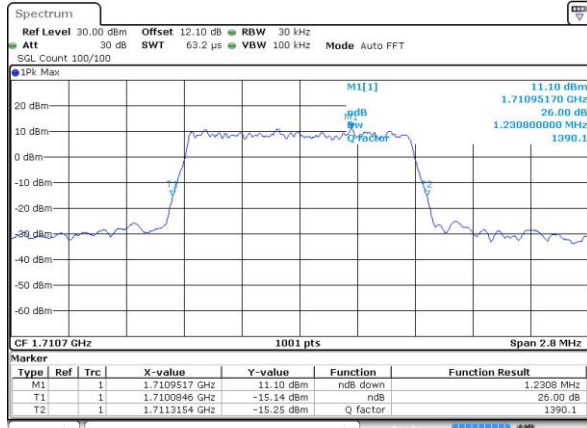


Date: 1 MAR 2019 01:13:10



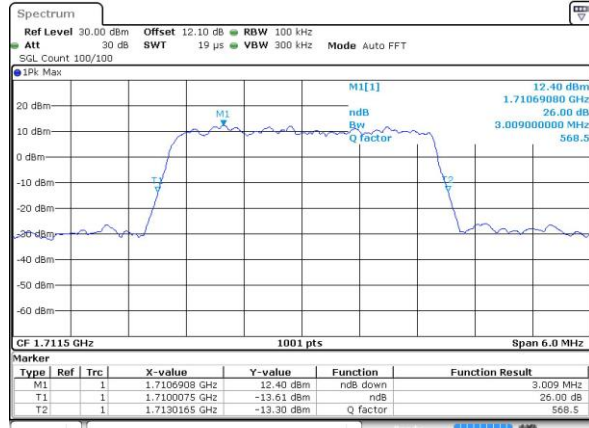
## LTE Band 4

## Lowest Channel / 1.4MHz / 64QAM



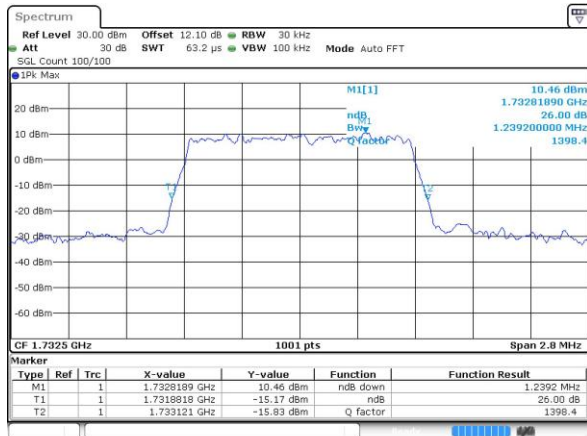
Date: 1 MAR 2019 20:07:10

## Lowest Channel / 3MHz / 64QAM



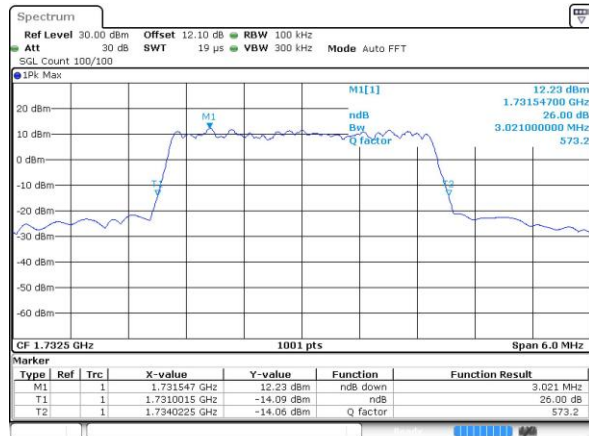
Date: 1 MAR 2019 19:10:29

## Middle Channel / 1.4MHz / 64QAM



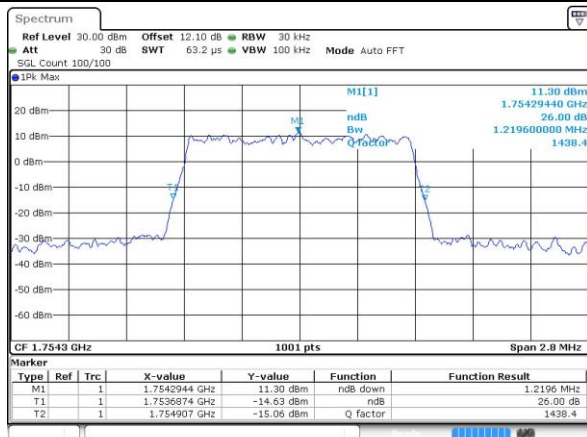
Date: 1 MAR 2019 20:10:35

## Middle Channel / 3MHz / 64QAM



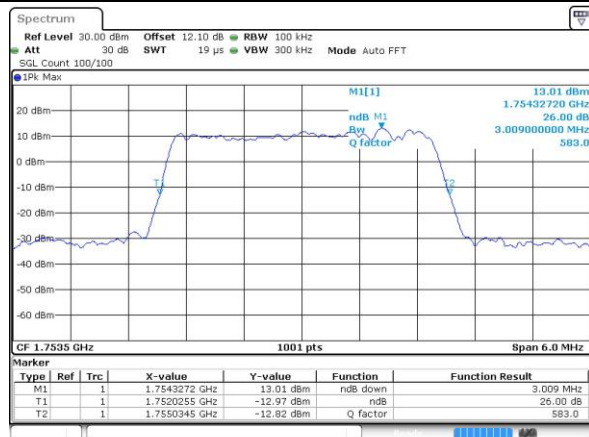
Date: 1 MAR 2019 19:13:48

## Highest Channel / 1.4MHz / 64QAM



Date: 1 MAR 2019 20:11:57

## Highest Channel / 3MHz / 64QAM

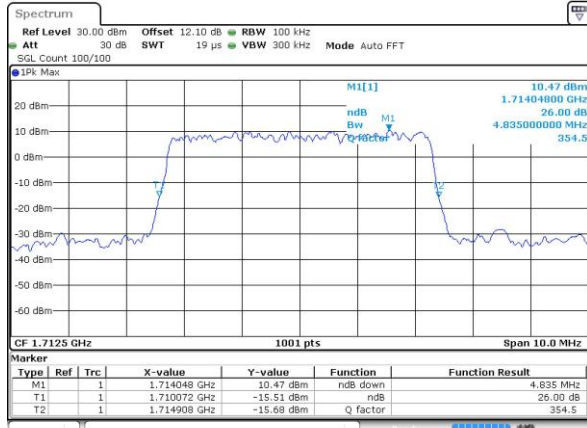


Date: 1 MAR 2019 19:15:11

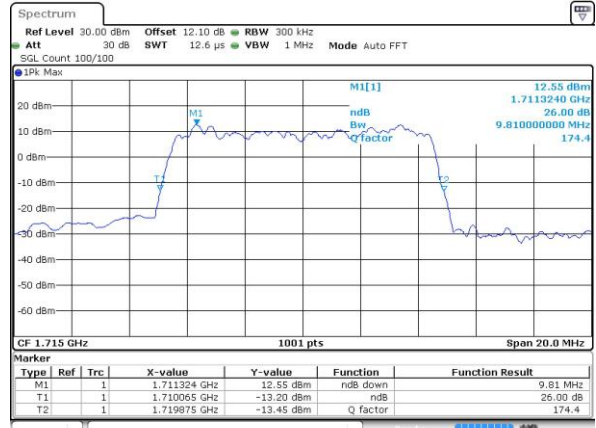


## LTE Band 4

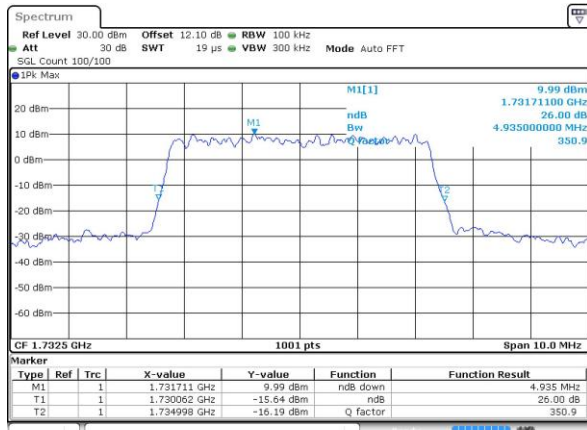
## Lowest Channel / 5MHz / 64QAM



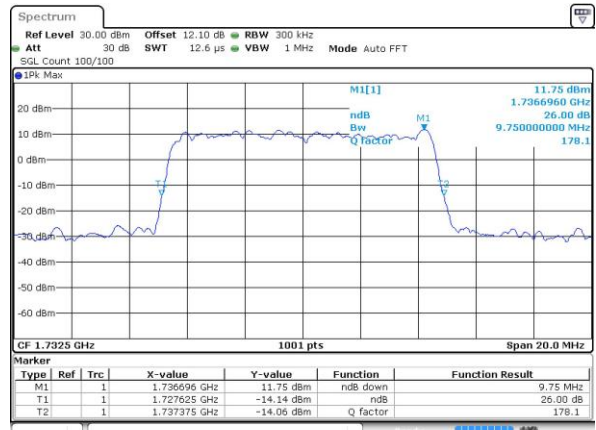
## Lowest Channel / 10MHz / 64QAM



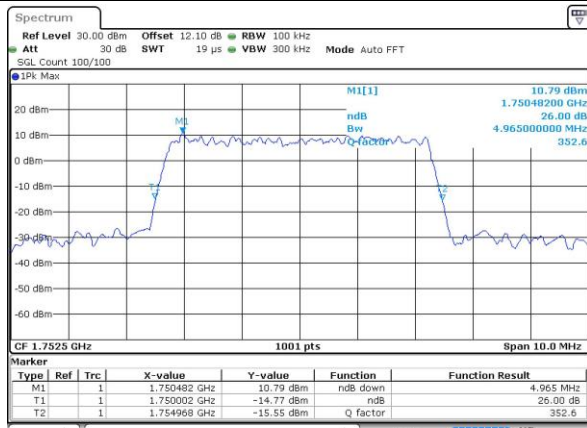
## Middle Channel / 5MHz / 64QAM



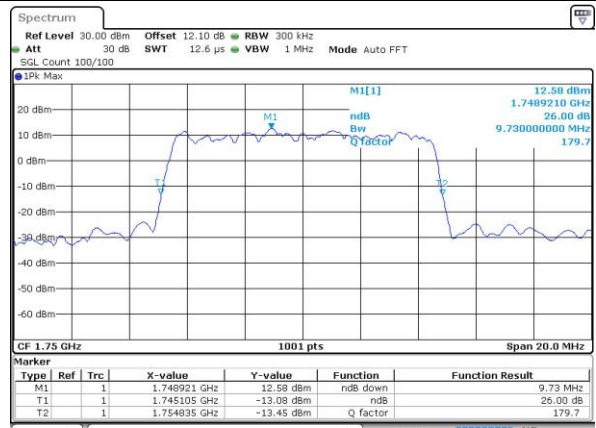
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



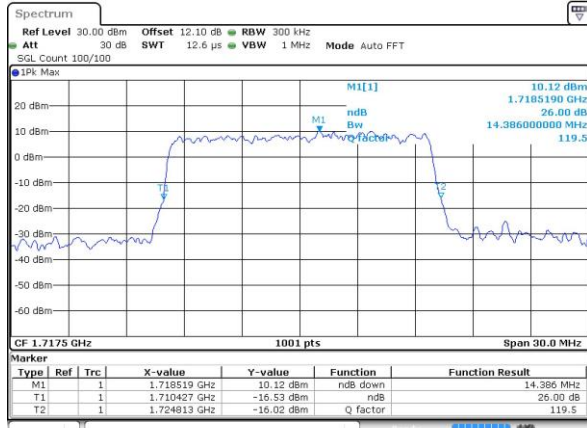
## Highest Channel / 10MHz / 64QAM



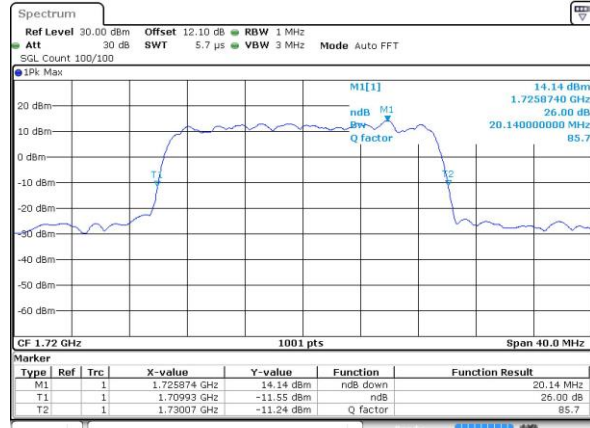


## LTE Band 4

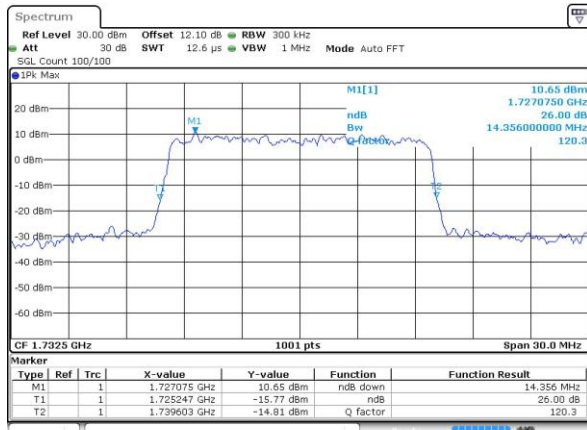
## Lowest Channel / 15MHz / 64QAM



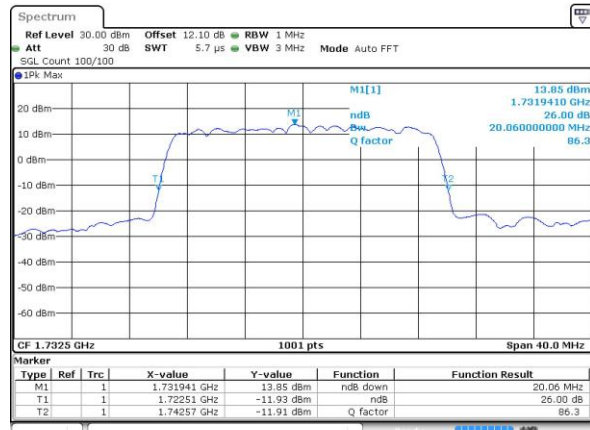
## Lowest Channel / 20MHz / 64QAM



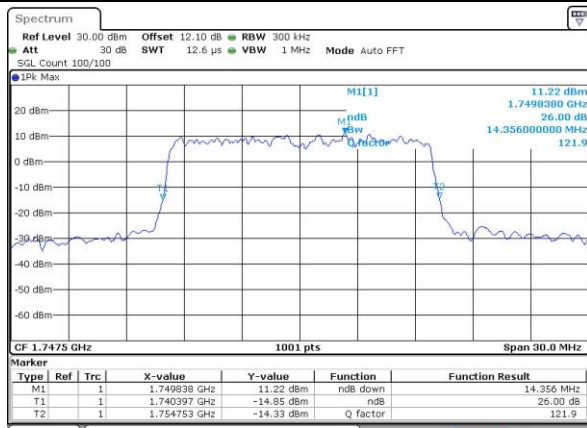
## Middle Channel / 15MHz / 64QAM



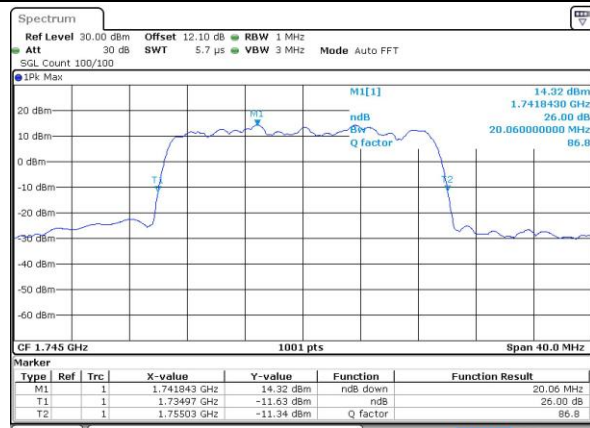
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM



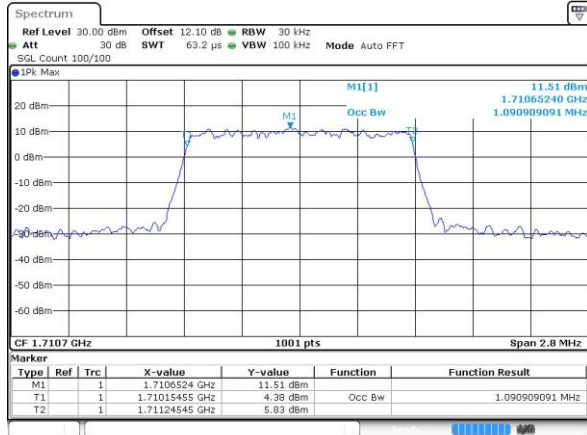
**Occupied Bandwidth**

| Mode       | LTE Band 4 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                   |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                     | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                     | 1.09  | 2.73  | 2.72  | 4.50  | 4.49  | 9.03  | 8.99  | 13.46 | 13.40 | 17.86 | 17.86 |
| Middle CH  | 1.09                     | 1.09  | 2.72  | 2.73  | 4.50  | 4.50  | 9.03  | 8.99  | 13.46 | 13.46 | 17.86 | 17.86 |
| Highest CH | 1.09                     | 1.09  | 2.72  | 2.72  | 4.50  | 4.51  | 8.97  | 8.99  | 13.43 | 13.43 | 17.86 | 17.86 |
| Mode       | LTE Band 4 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                   |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                    |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.09                     | -     | 2.71  | -     | 4.50  | -     | 9.05  | -     | 13.43 | -     | 17.90 | -     |
| Middle CH  | 1.09                     | -     | 2.72  | -     | 4.50  | -     | 9.01  | -     | 13.46 | -     | 17.90 | -     |
| Highest CH | 1.09                     | -     | 2.72  | -     | 4.48  | -     | 8.99  | -     | 13.49 | -     | 17.98 | -     |



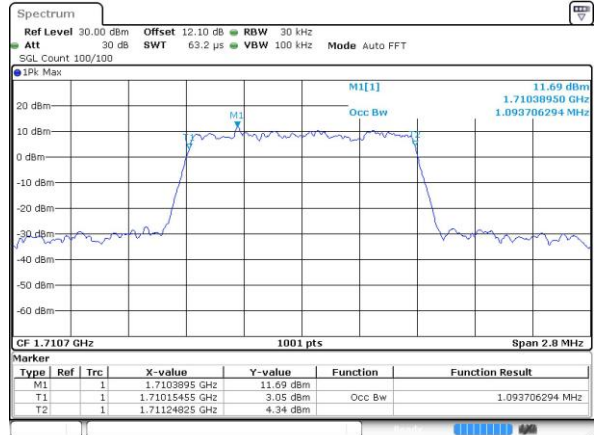
## LTE Band 4

## Lowest Channel / 1.4MHz / QPSK



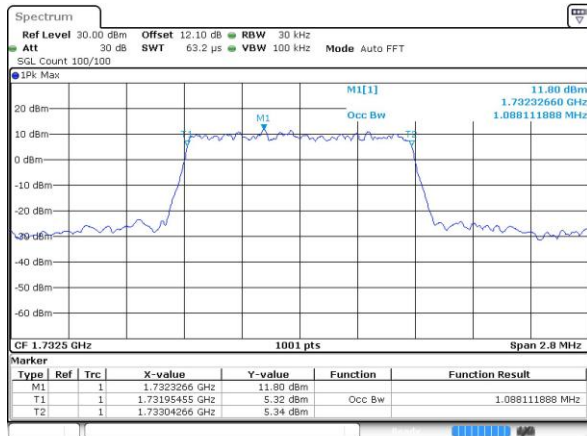
Date: 1 MAR 2019 20:15:13

## Lowest Channel / 1.4MHz / 16QAM



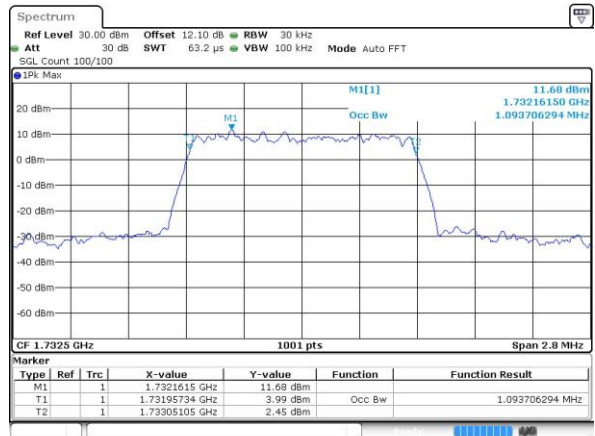
Date: 1 MAR 2019 20:15:24

## Middle Channel / 1.4MHz / QPSK



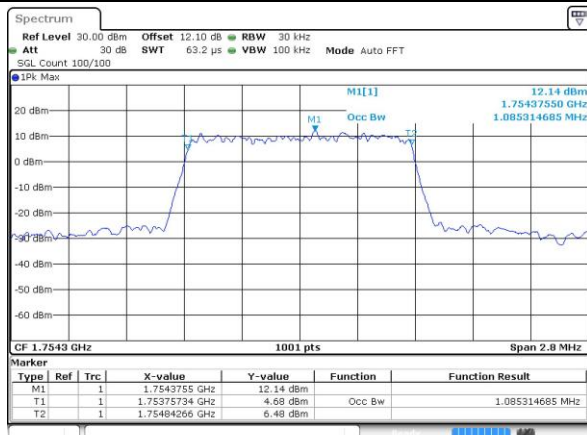
Date: 1 MAR 2019 20:22:04

## Middle Channel / 1.4MHz / 16QAM



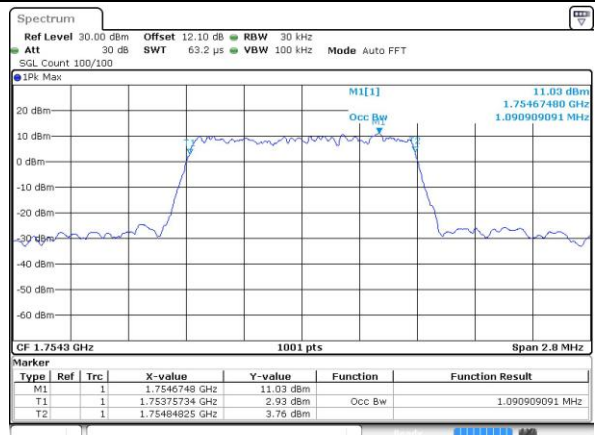
Date: 1 MAR 2019 20:22:15

## Highest Channel / 1.4MHz / QPSK



Date: 1 MAR 2019 20:24:48

## Highest Channel / 1.4MHz / 16QAM

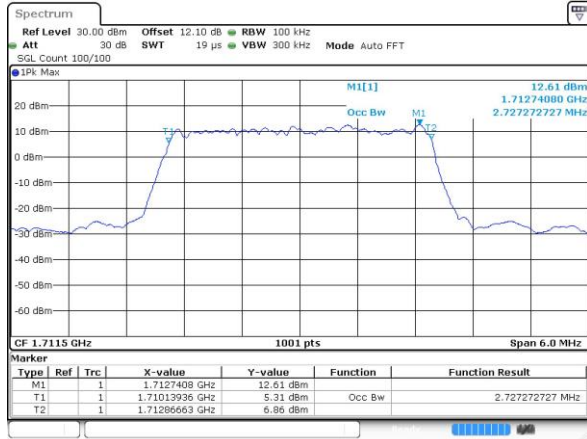


Date: 1 MAR 2019 20:24:59

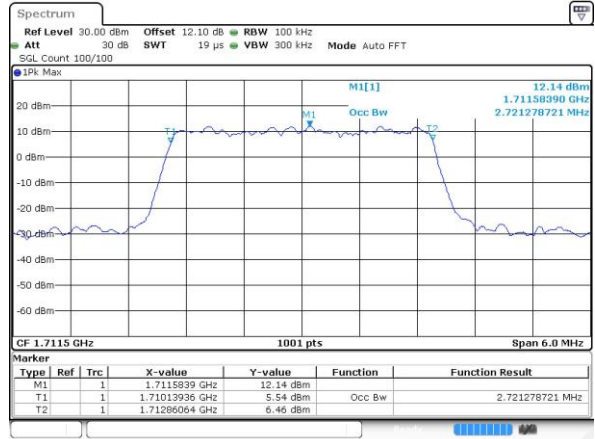


## LTE Band 4

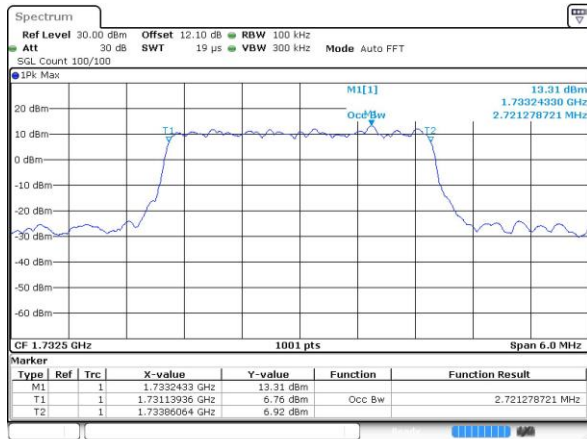
## Lowest Channel / 3MHz / QPSK



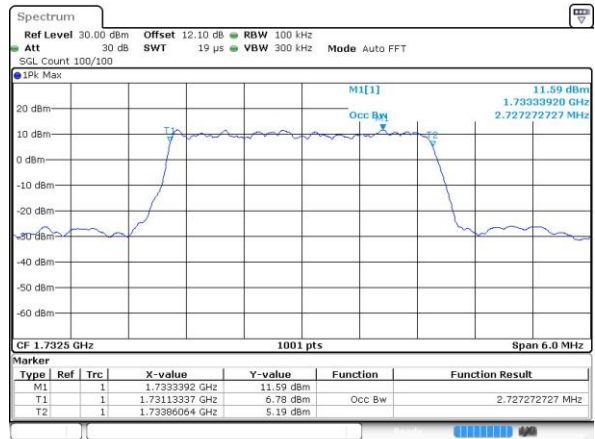
## Lowest Channel / 3MHz / 16QAM



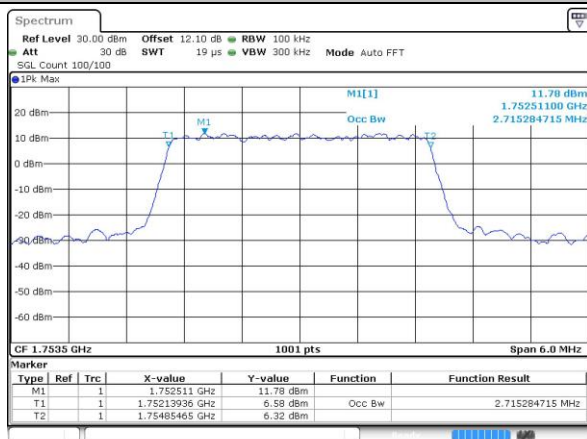
## Middle Channel / 3MHz / QPSK



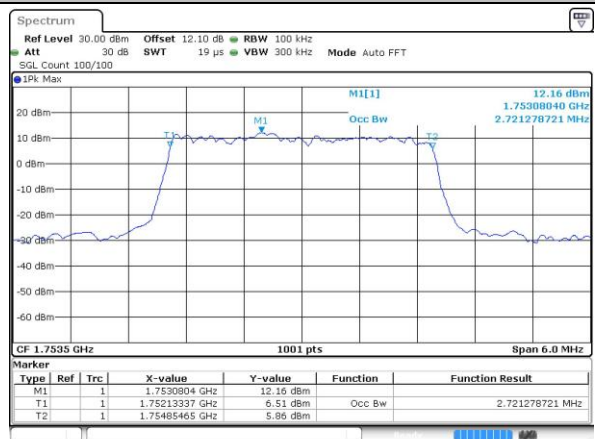
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



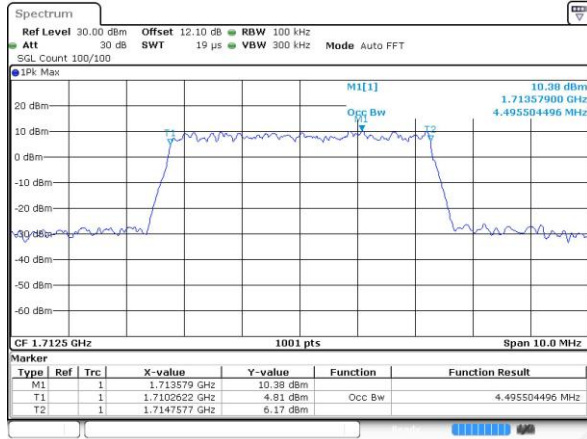
## Highest Channel / 3MHz / 16QAM



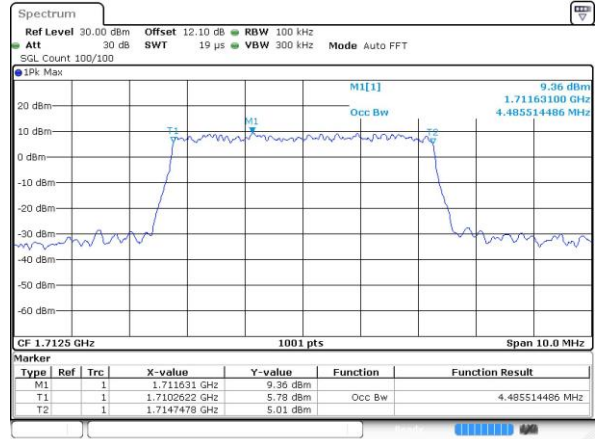


## LTE Band 4

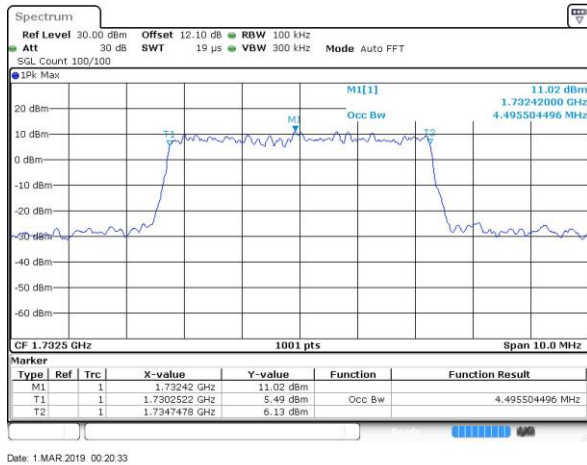
## Lowest Channel / 5MHz / QPSK



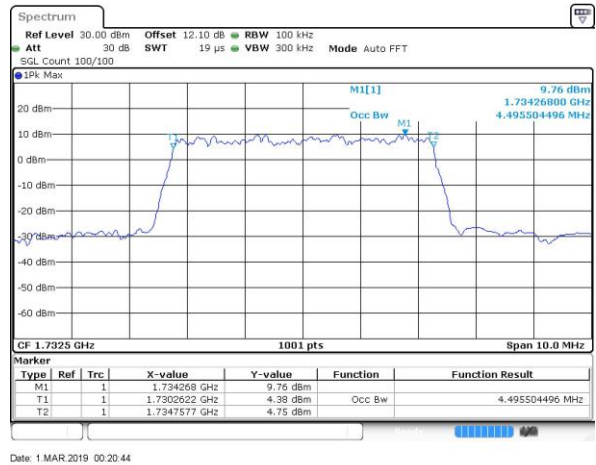
## Lowest Channel / 5MHz / 16QAM



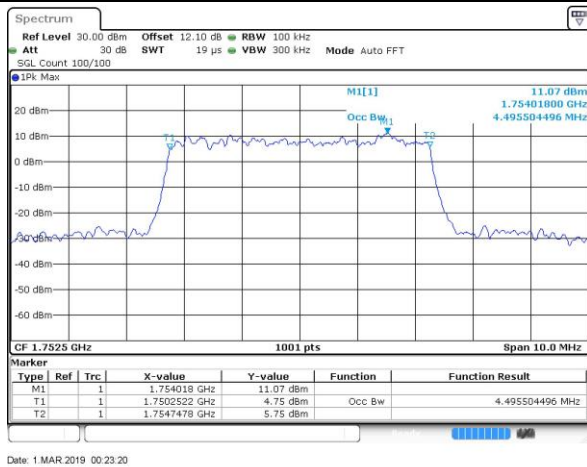
## Middle Channel / 5MHz / QPSK



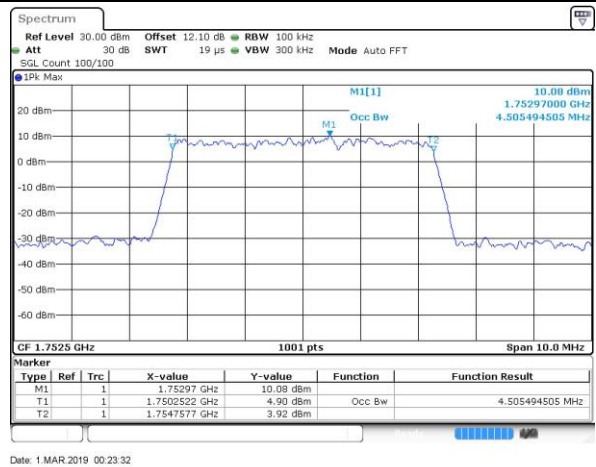
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



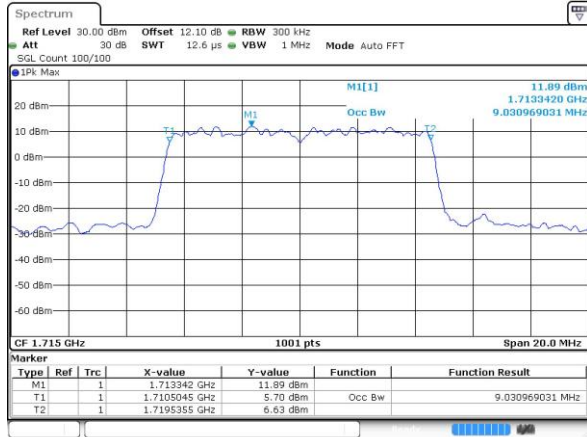
## Highest Channel / 5MHz / 16QAM



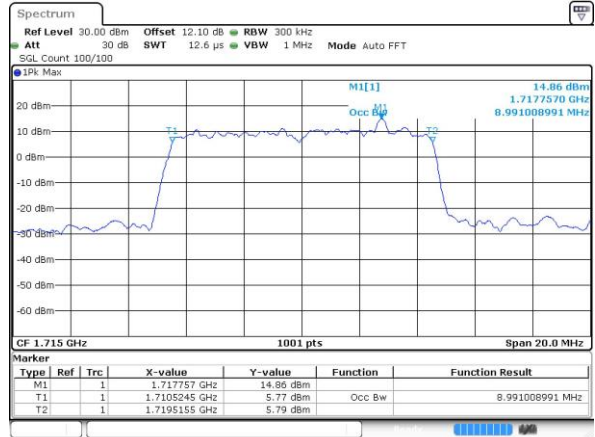


## LTE Band 4

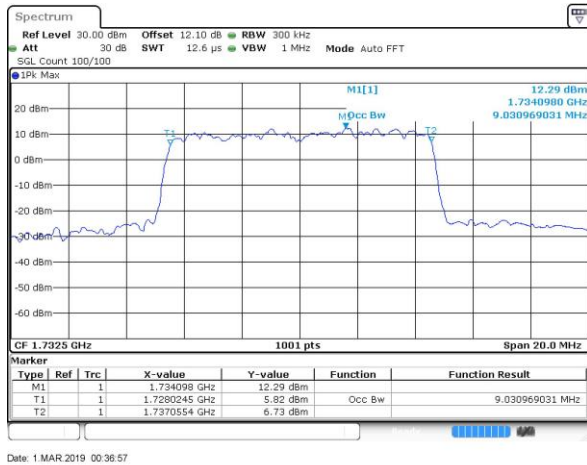
## Lowest Channel / 10MHz / QPSK



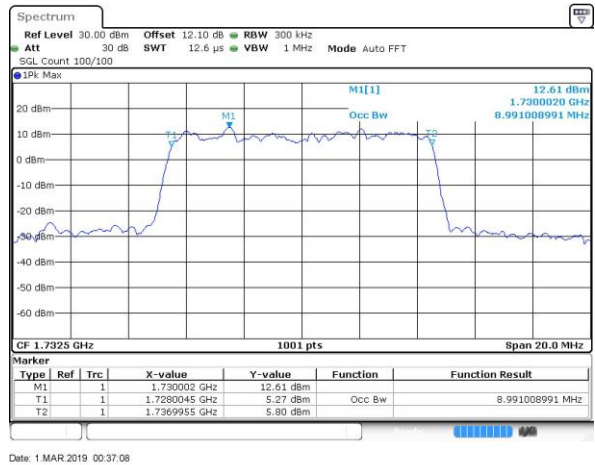
## Lowest Channel / 10MHz / 16QAM



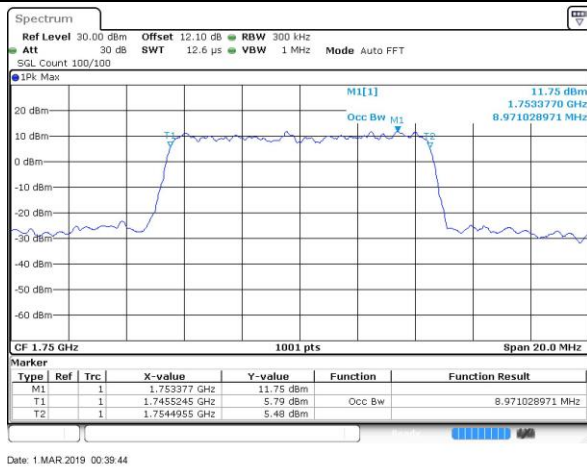
## Middle Channel / 10MHz / QPSK



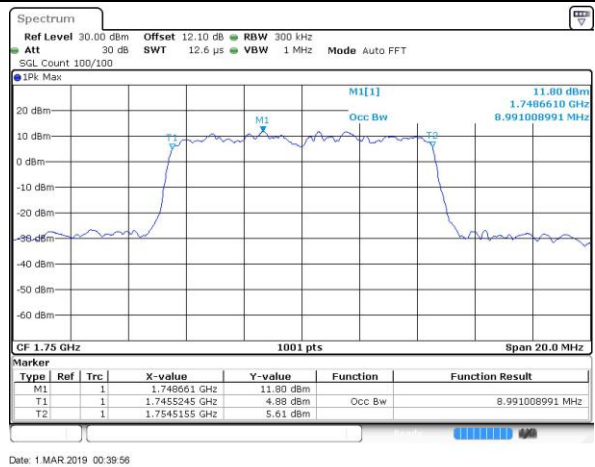
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



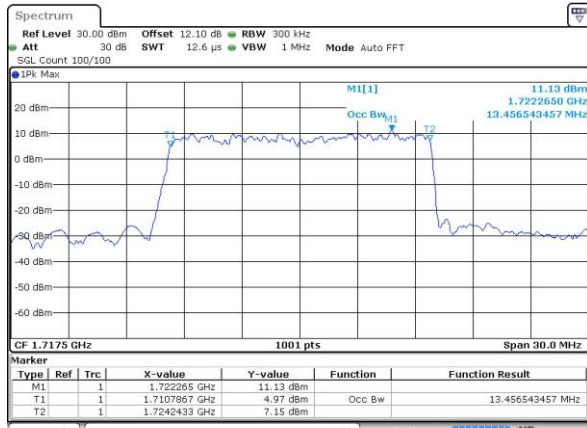
## Highest Channel / 10MHz / 16QAM



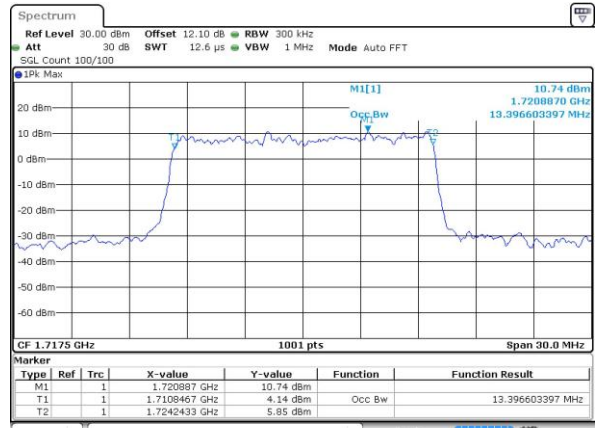


## LTE Band 4

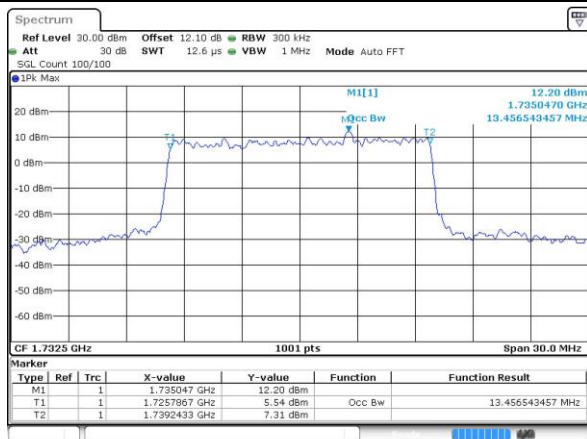
## Lowest Channel / 15MHz / QPSK



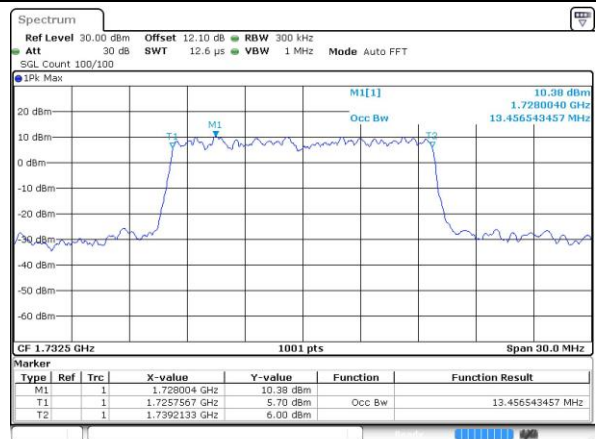
## Lowest Channel / 15MHz / 16QAM



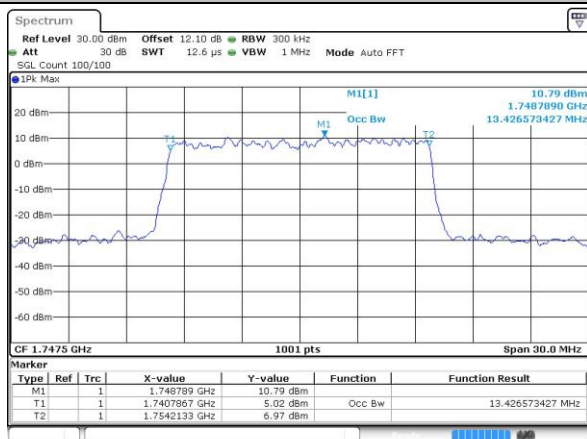
## Middle Channel / 15MHz / QPSK



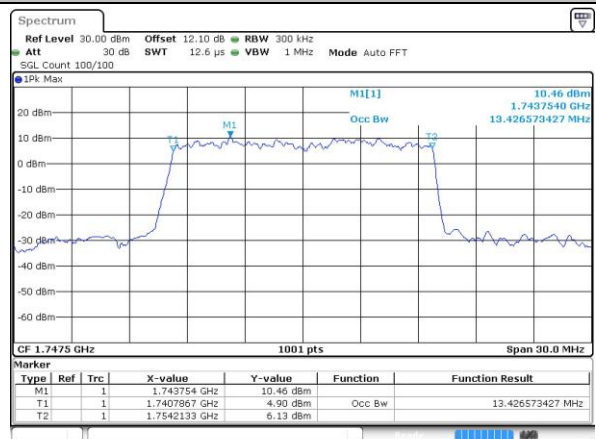
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



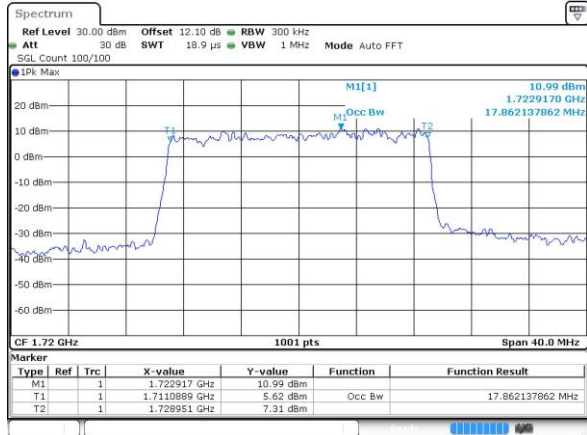
## Highest Channel / 15MHz / 16QAM





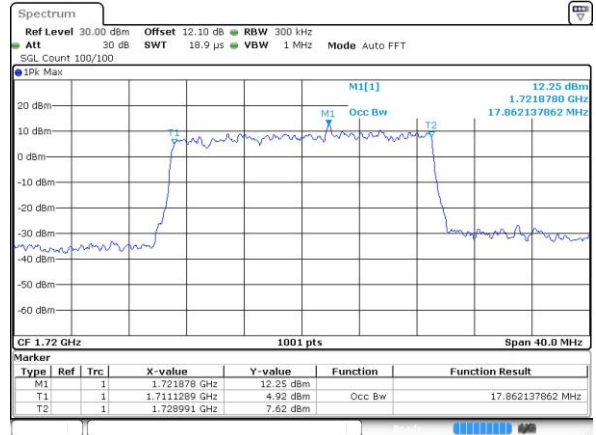
## LTE Band 4

## Lowest Channel / 20MHz / QPSK



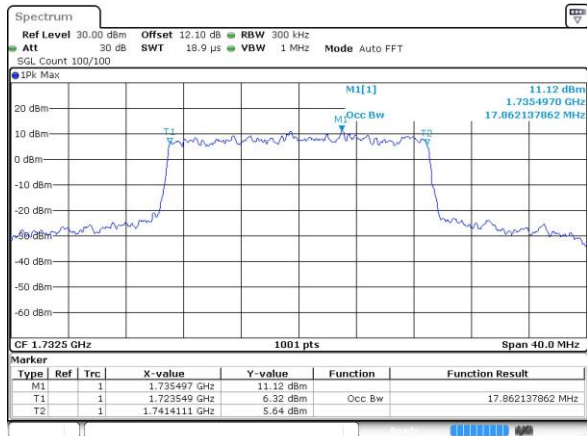
Date: 2 APR 2019 16:12:02

## Lowest Channel / 20MHz / 16QAM



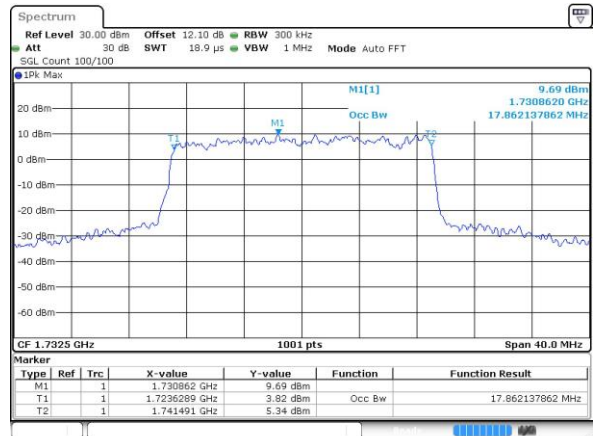
Date: 2 APR 2019 16:12:15

## Middle Channel / 20MHz / QPSK



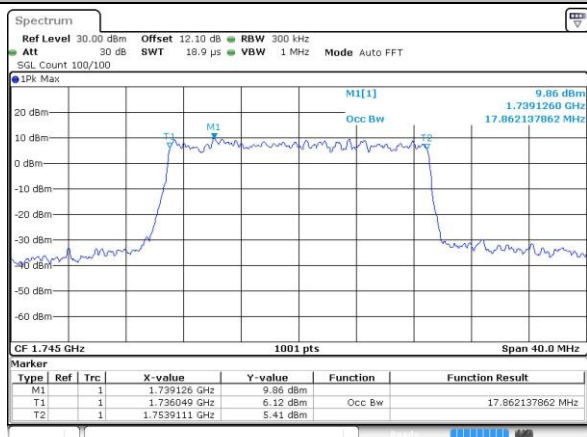
Date: 2 APR 2019 16:12:27

## Middle Channel / 20MHz / 16QAM



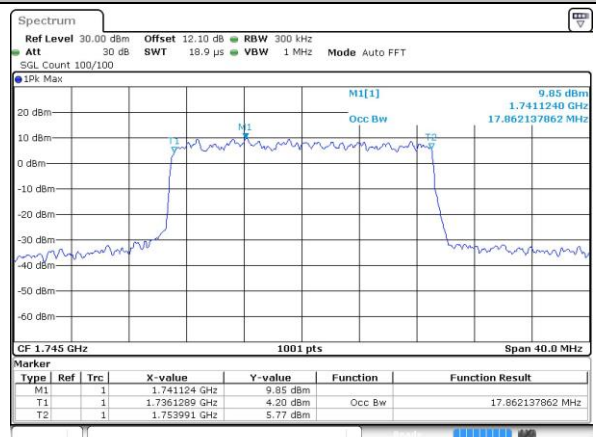
Date: 2 APR 2019 16:12:36

## Highest Channel / 20MHz / QPSK



Date: 2 APR 2019 16:12:52

## Highest Channel / 20MHz / 16QAM

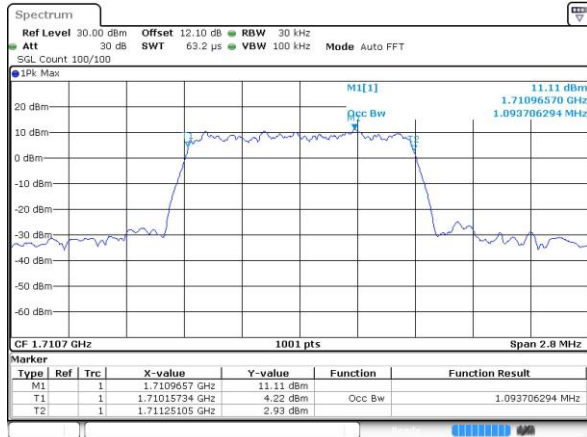


Date: 2 APR 2019 16:13:05

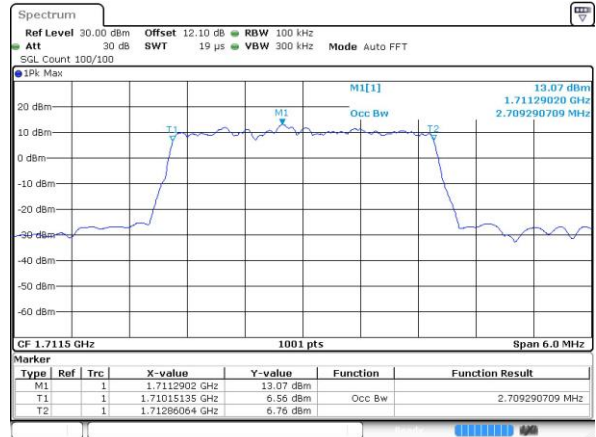


## LTE Band 4

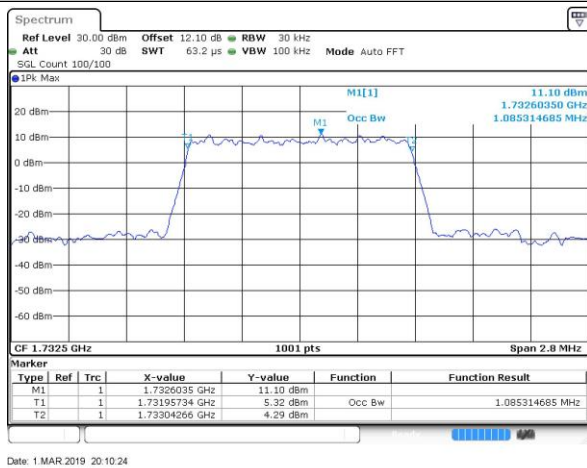
## Lowest Channel / 1.4MHz / 64QAM



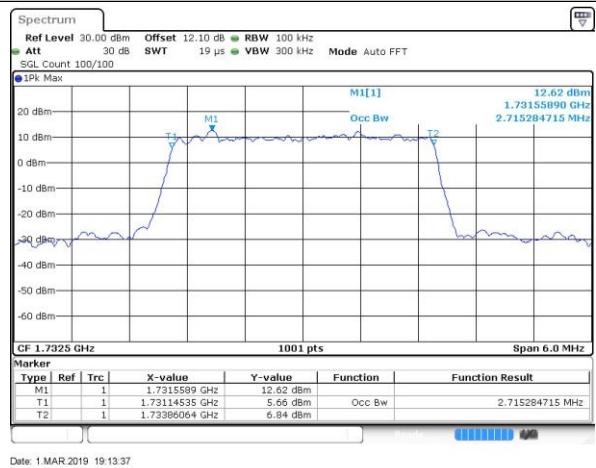
## Lowest Channel / 3MHz / 64QAM



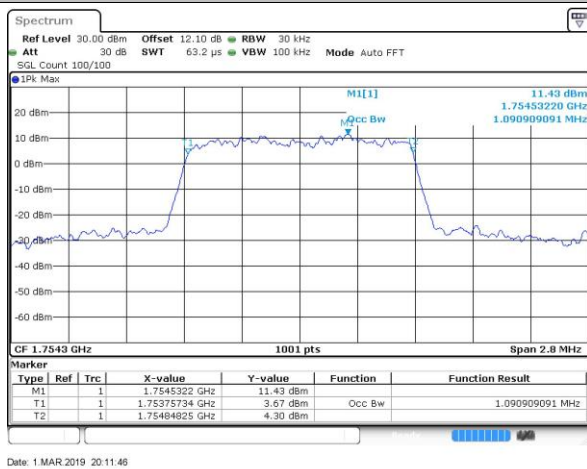
## Middle Channel / 1.4MHz / 64QAM



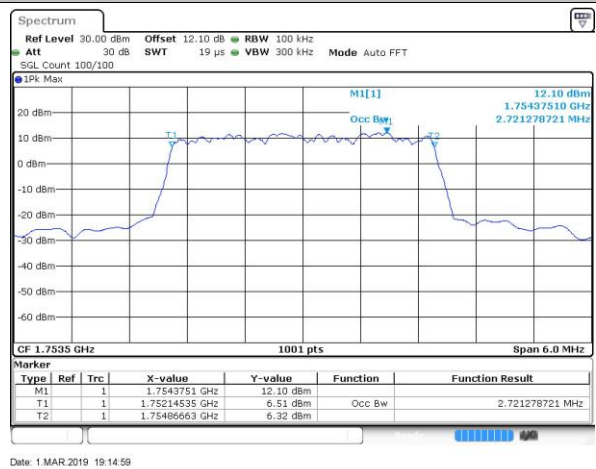
## Middle Channel / 3MHz / 64QAM



## Highest Channel / 1.4MHz / 64QAM



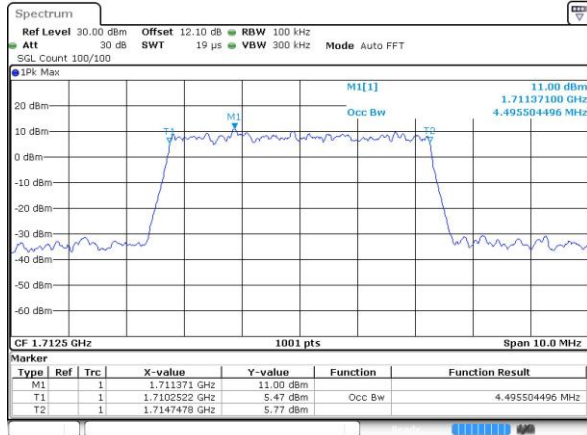
## Highest Channel / 3MHz / 64QAM



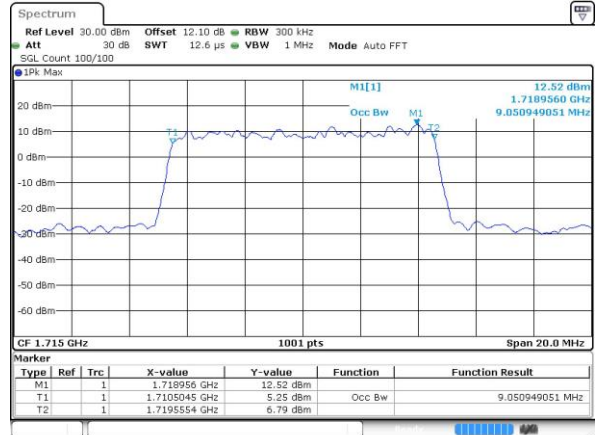


## LTE Band 4

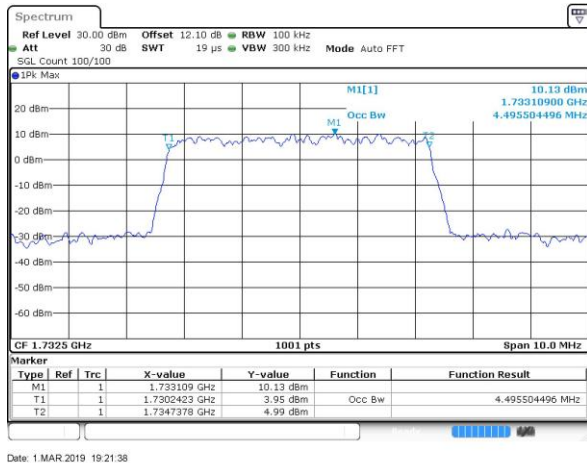
## Lowest Channel / 5MHz / 64QAM



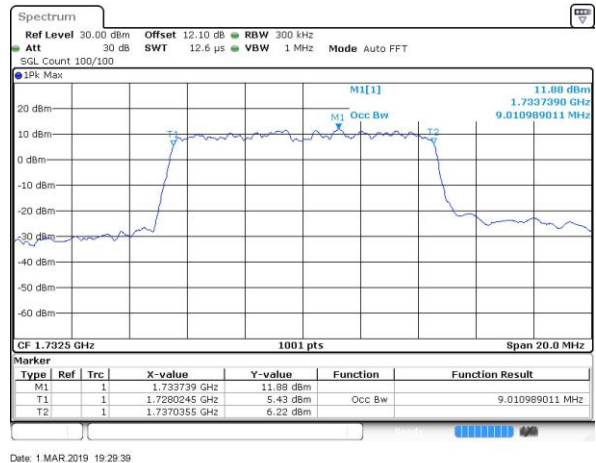
## Lowest Channel / 10MHz / 64QAM



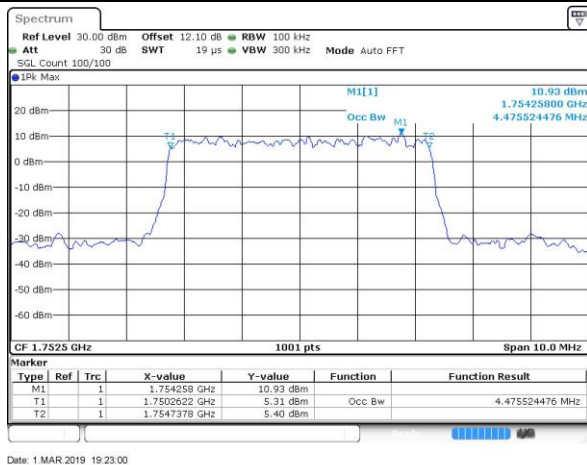
## Middle Channel / 5MHz / 64QAM



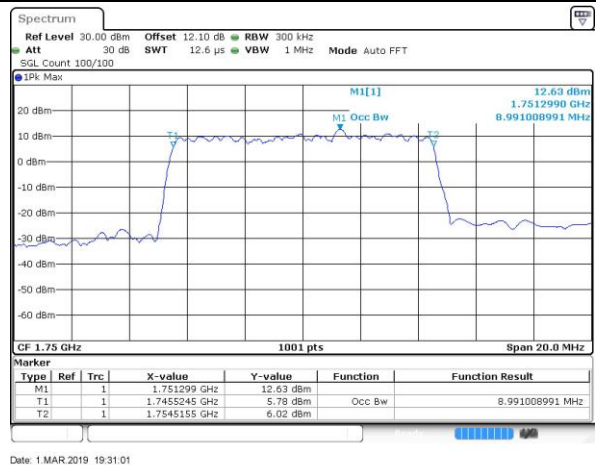
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



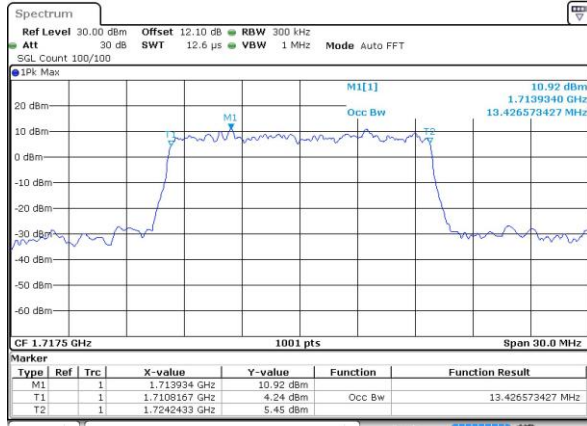
## Highest Channel / 10MHz / 64QAM





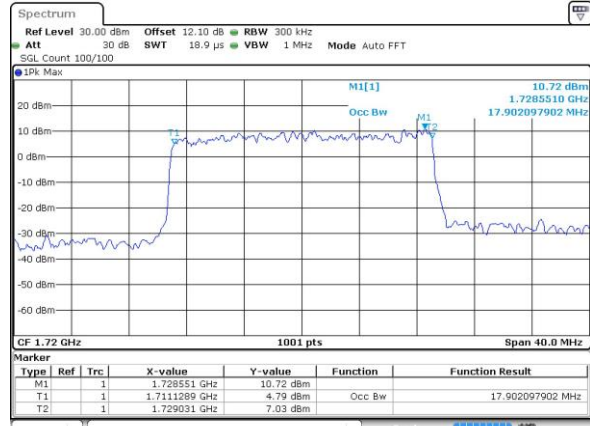
## LTE Band 4

## Lowest Channel / 15MHz / 64QAM



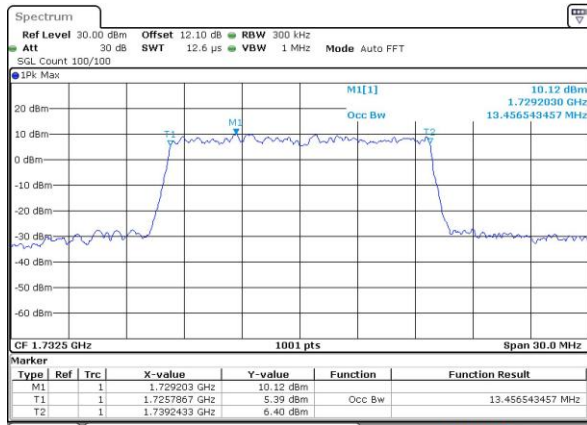
Date: 1 MAR 2019 19:50:56

## Lowest Channel / 20MHz / 64QAM



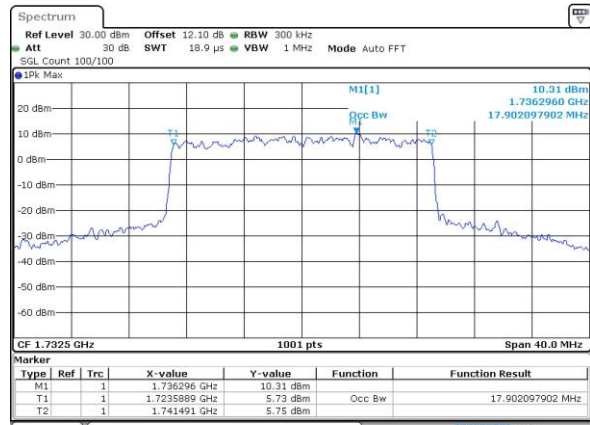
Date: 2 APR 2019 16:14:51

## Middle Channel / 15MHz / 64QAM



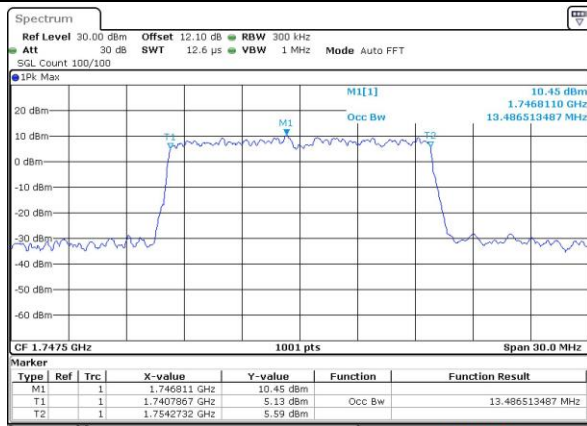
Date: 1 MAR 2019 19:54:16

## Middle Channel / 20MHz / 64QAM



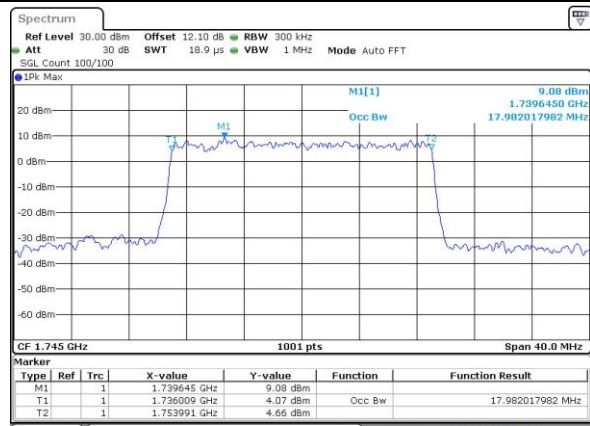
Date: 2 APR 2019 16:14:34

## Highest Channel / 15MHz / 64QAM

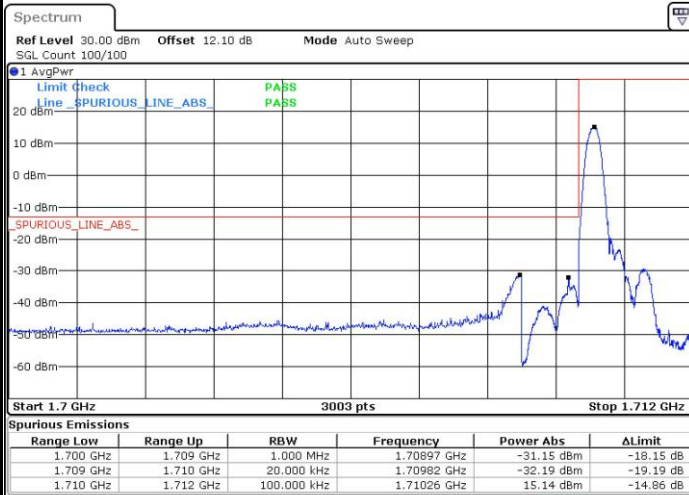
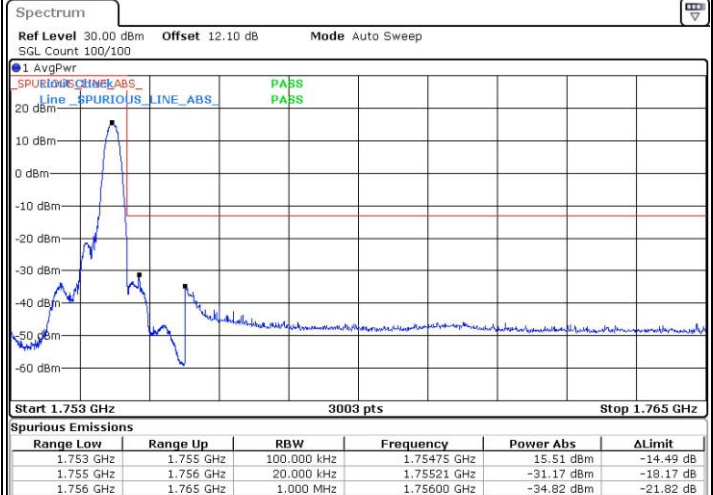
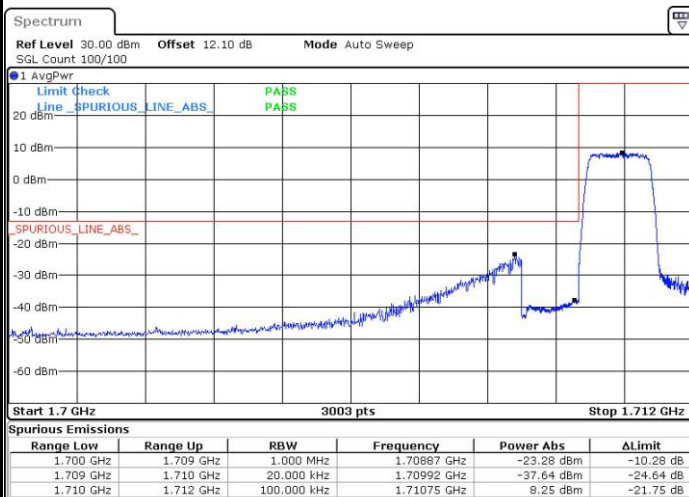
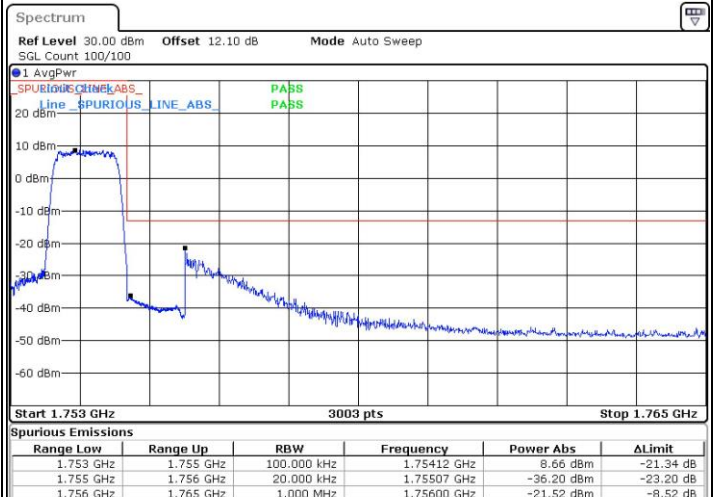


Date: 1 MAR 2019 19:55:39

## Highest Channel / 20MHz / 64QAM



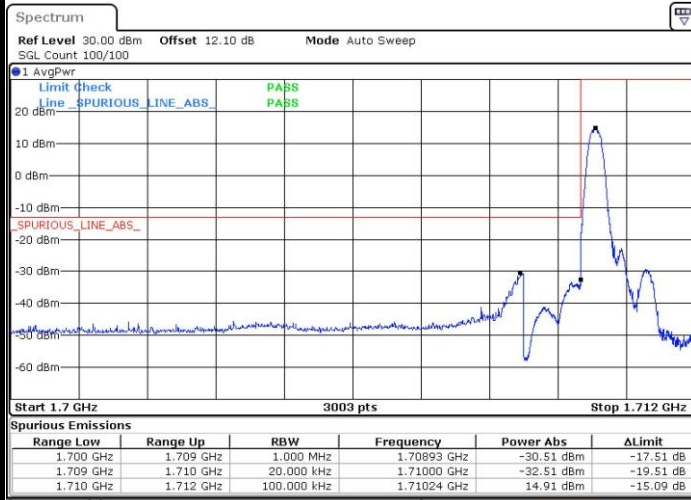
Date: 2 APR 2019 16:14:15

**Conducted Band Edge****LTE Band 4 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



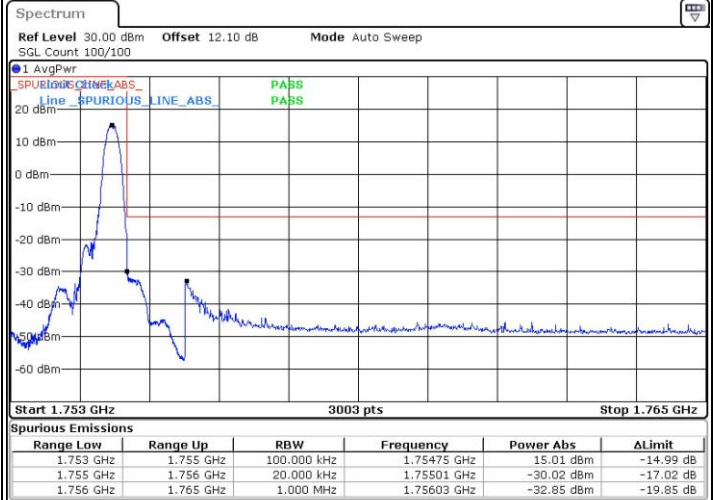
## LTE Band 4 / 1.4MHz / 16QAM

## Lowest Band Edge / 1 RB



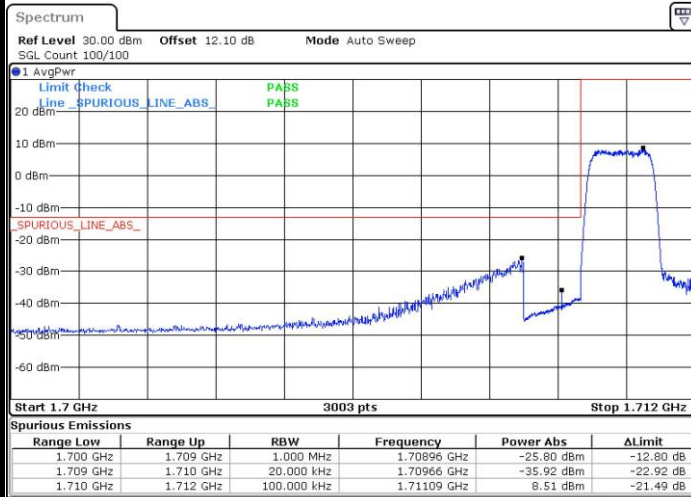
Date: 1 MAR 2019 20:17:50

## Highest Band Edge / 1 RB



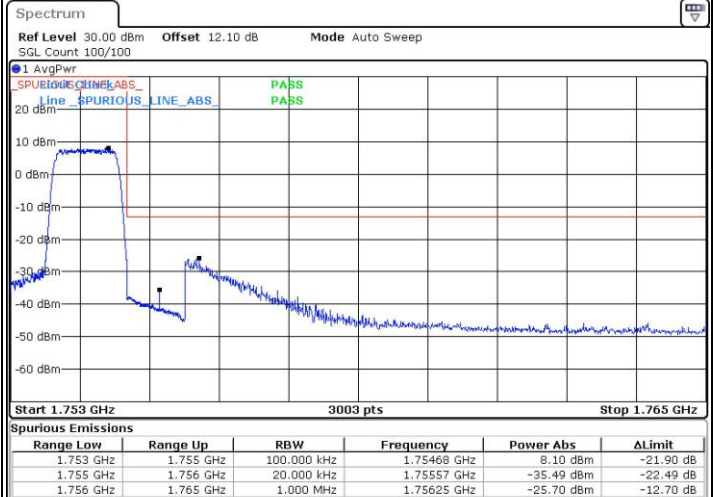
Date: 1 MAR 2019 20:27:25

## Lowest Band Edge / Full RB



Date: 1 MAR 2019 20:19:53

## Highest Band Edge / Full RB

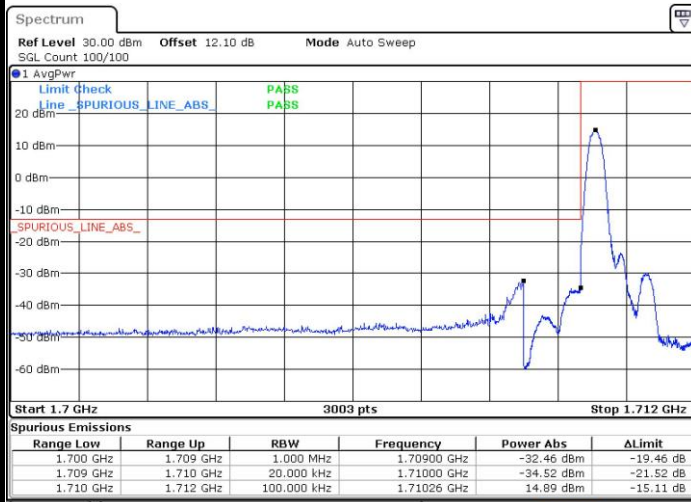


Date: 1 MAR 2019 20:29:28

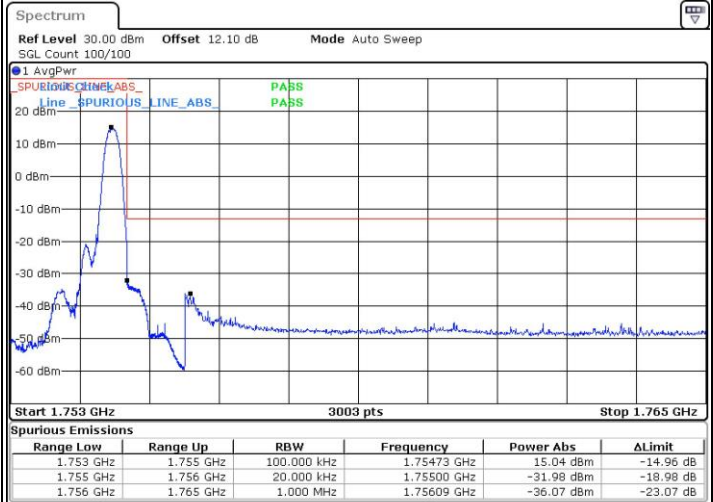


## LTE Band 4 / 1.4MHz / 64QAM

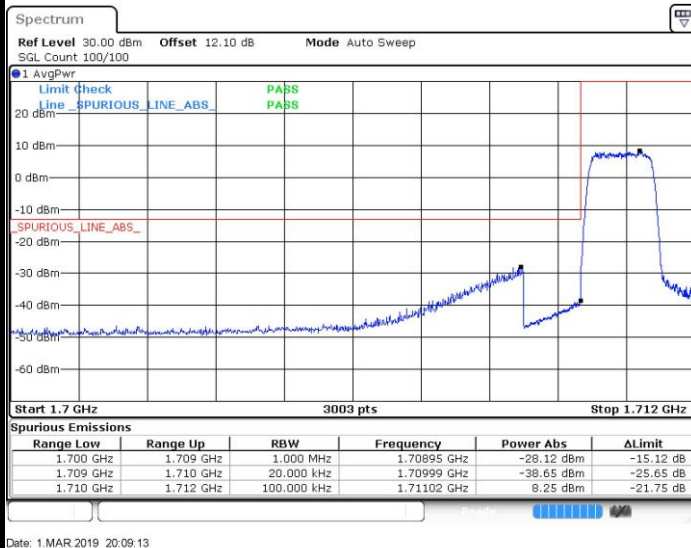
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

