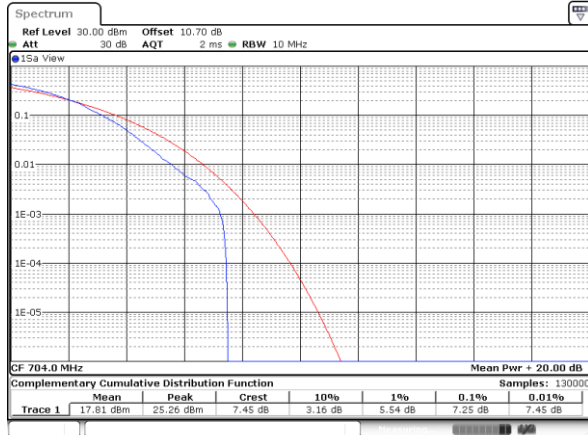


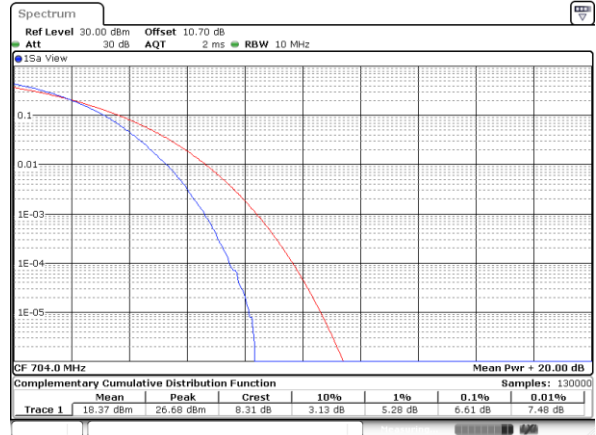


## LTE Band 12 / 10MHz / 64QAM

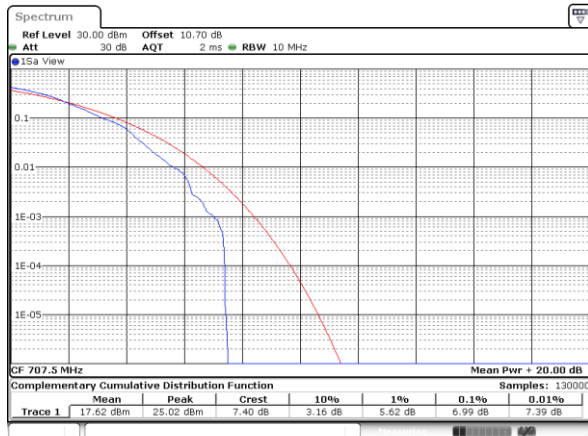
## Lowest Channel / 1RB



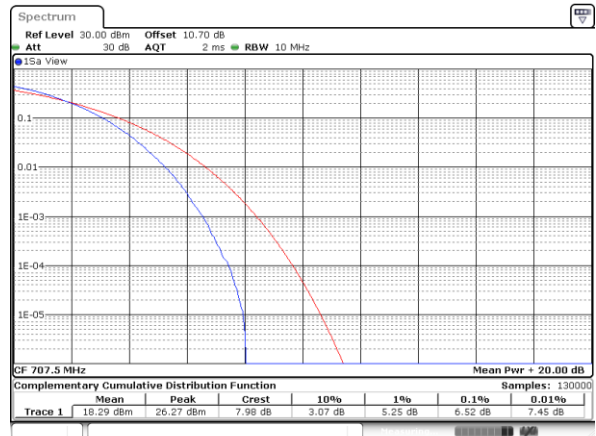
## Lowest Channel / Full RB



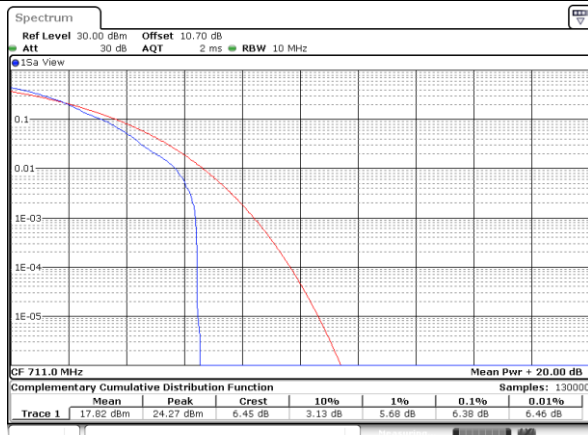
## Middle Channel / 1RB



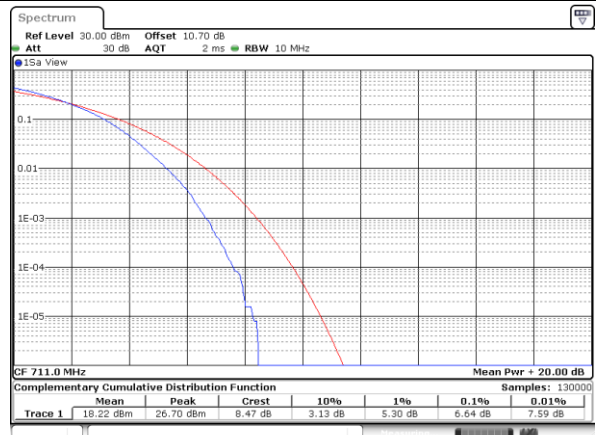
## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB



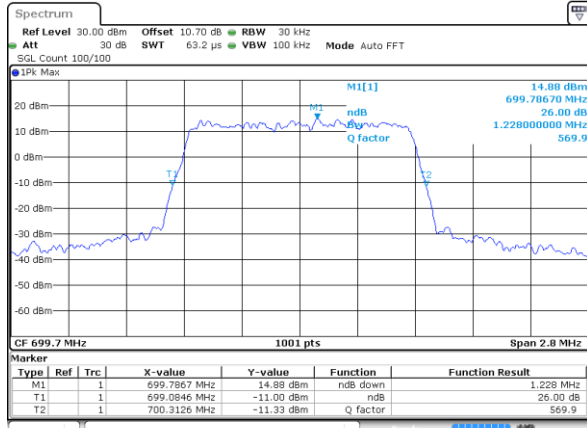
**26dB Bandwidth**

| Mode       | LTE Band 12 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                       | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.23                       | 1.22  | 3.06  | 3.03  | 4.86  | 4.94  | 9.77  | 9.79  | -     | -     | -     | -     |
| Middle CH  | 1.21                       | 1.24  | 3.03  | 3.03  | 4.92  | 4.88  | 9.71  | 9.75  | -     | -     | -     | -     |
| Highest CH | 1.21                       | 1.23  | 3.01  | 2.97  | 4.98  | 4.88  | 9.63  | 9.71  | -     | -     | -     | -     |
| Mode       | LTE Band 12 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.19                       | -     | 2.97  | -     | 4.87  | -     | 9.75  | -     | -     | -     | -     | -     |
| Middle CH  | 1.24                       | -     | 2.95  | -     | 4.90  | -     | 9.79  | -     | -     | -     | -     | -     |
| Highest CH | 1.21                       | -     | 3.00  | -     | 4.85  | -     | 9.85  | -     | -     | -     | -     | -     |



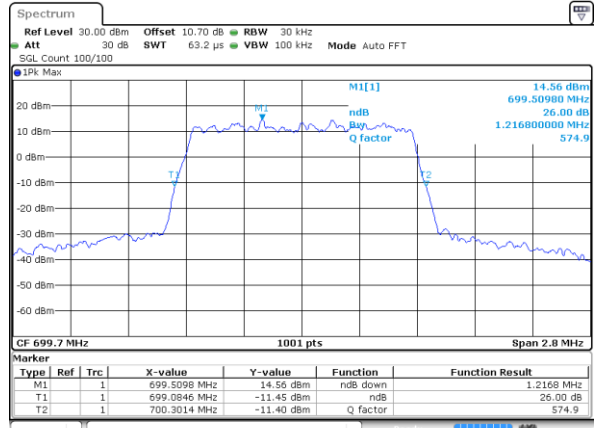
## LTE Band 12

## Lowest Channel / 1.4MHz / QPSK



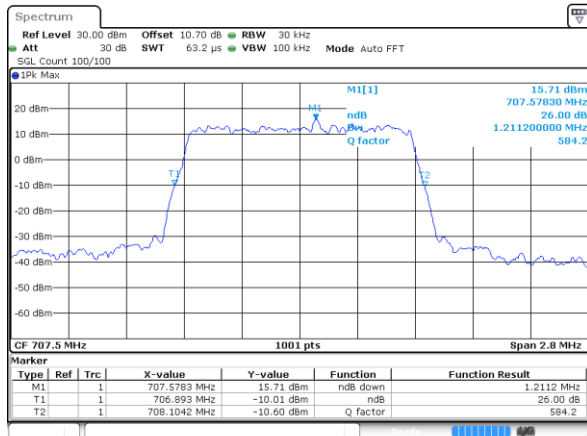
Date: 16 DEC 2019 14:30:25

## Lowest Channel / 1.4MHz / 16QAM



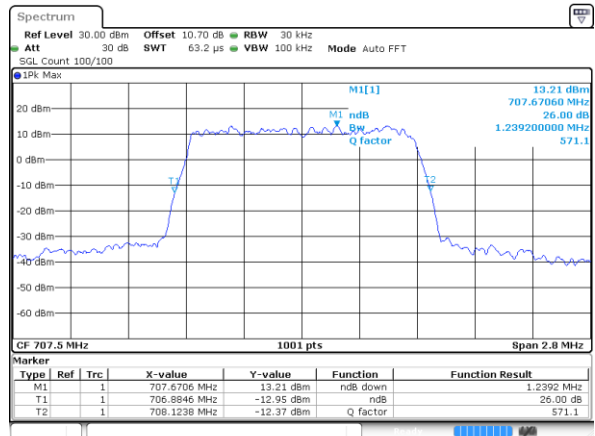
Date: 16 DEC 2019 14:30:13

## Middle Channel / 1.4MHz / QPSK



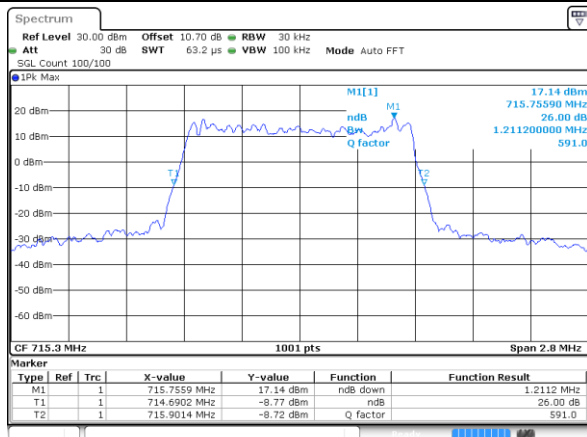
Date: 16 DEC 2019 10:40:10

## Middle Channel / 1.4MHz / 16QAM



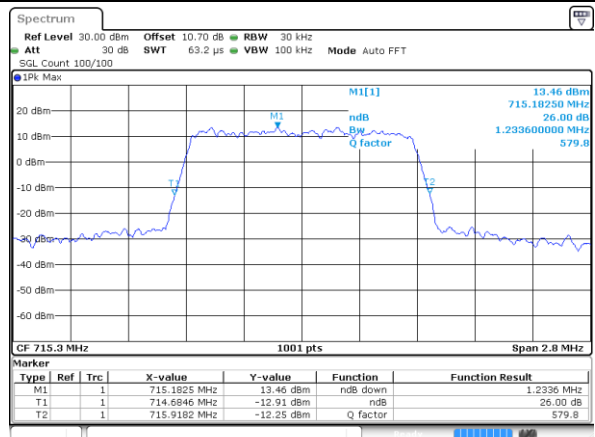
Date: 16 DEC 2019 10:40:21

## Highest Channel / 1.4MHz / QPSK



Date: 16 DEC 2019 10:42:30

## Highest Channel / 1.4MHz / 16QAM

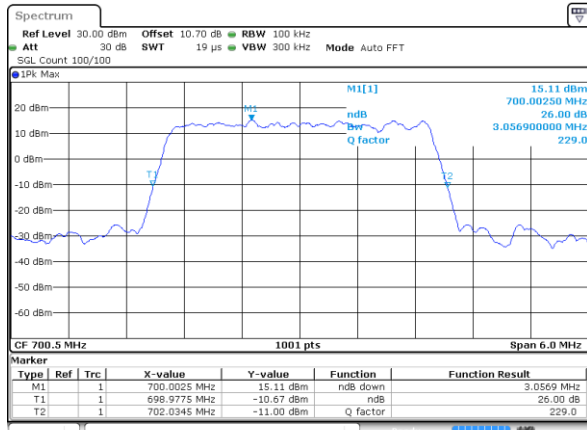


Date: 16 DEC 2019 10:42:18



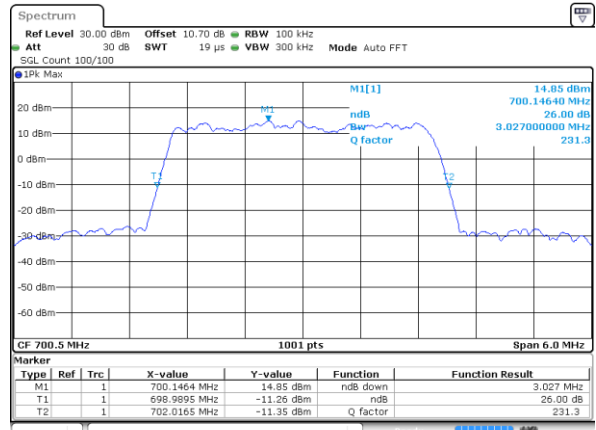
## LTE Band 12

## Lowest Channel / 3MHz / QPSK



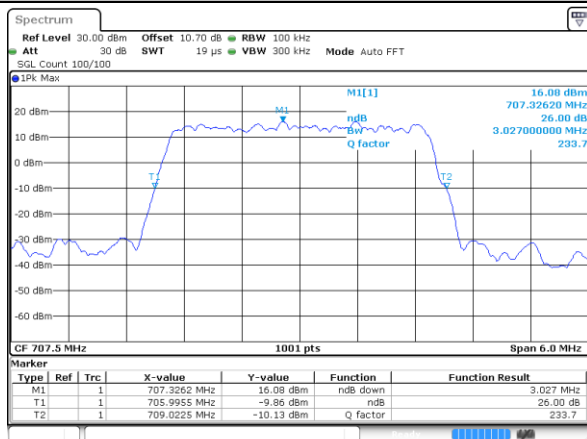
Date: 16 DEC 2019 10:48:44

## Lowest Channel / 3MHz / 16QAM



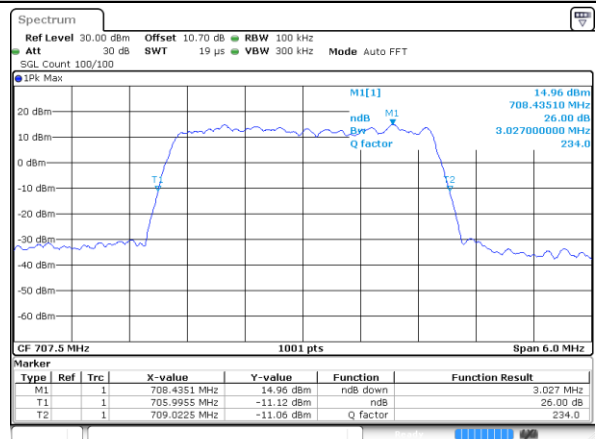
Date: 16 DEC 2019 10:48:32

## Middle Channel / 3MHz / QPSK



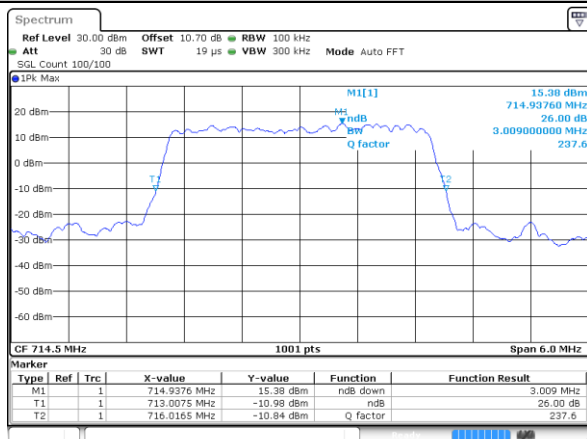
Date: 16 DEC 2019 10:54:44

## Middle Channel / 3MHz / 16QAM



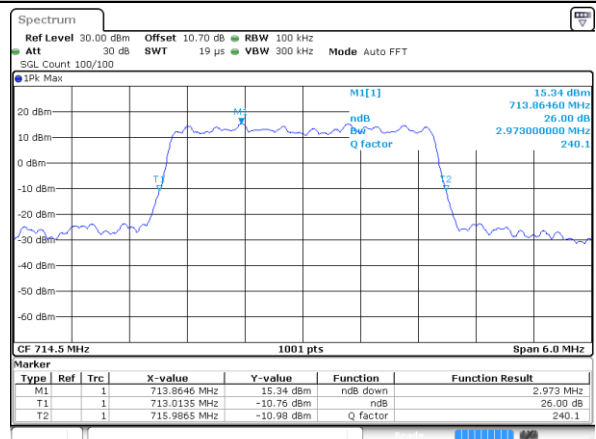
Date: 16 DEC 2019 10:54:55

## Highest Channel / 3MHz / QPSK



Date: 16 DEC 2019 10:57:04

## Highest Channel / 3MHz / 16QAM

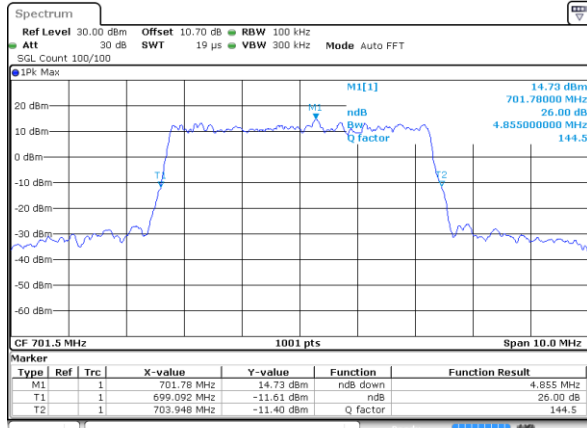


Date: 16 DEC 2019 10:56:52



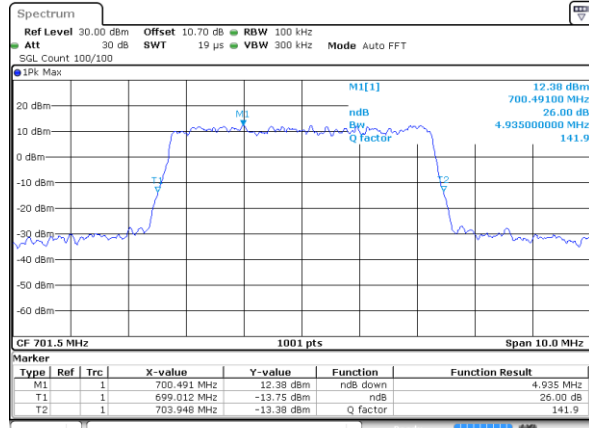
## LTE Band 12

## Lowest Channel / 5MHz / QPSK



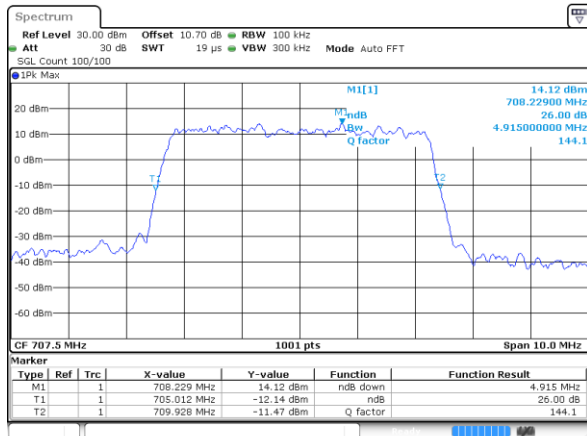
Date: 16 DEC 2019 11:03:19

## Lowest Channel / 5MHz / 16QAM



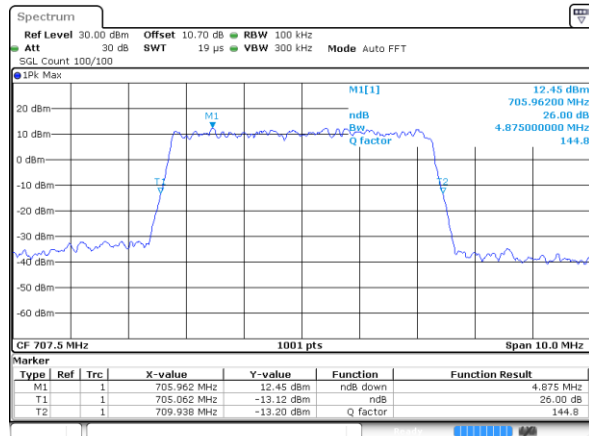
Date: 16 DEC 2019 11:03:07

## Middle Channel / 5MHz / QPSK



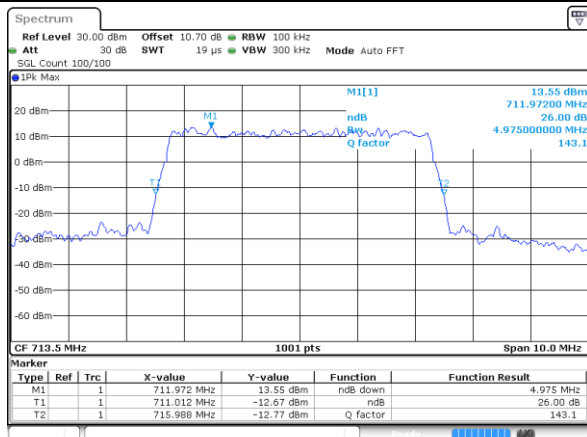
Date: 16 DEC 2019 11:14:47

## Middle Channel / 5MHz / 16QAM



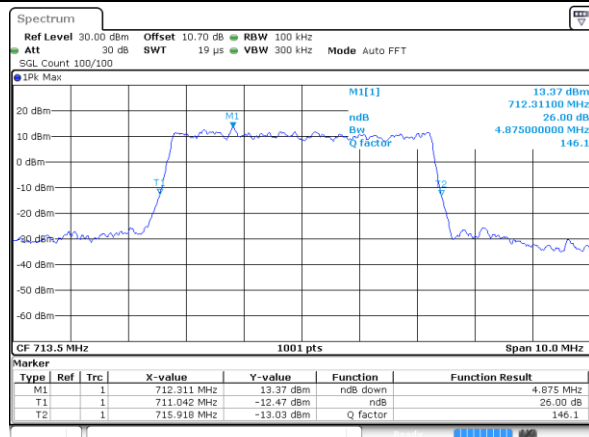
Date: 16 DEC 2019 11:14:58

## Highest Channel / 5MHz / QPSK



Date: 16 DEC 2019 11:17:08

## Highest Channel / 5MHz / 16QAM

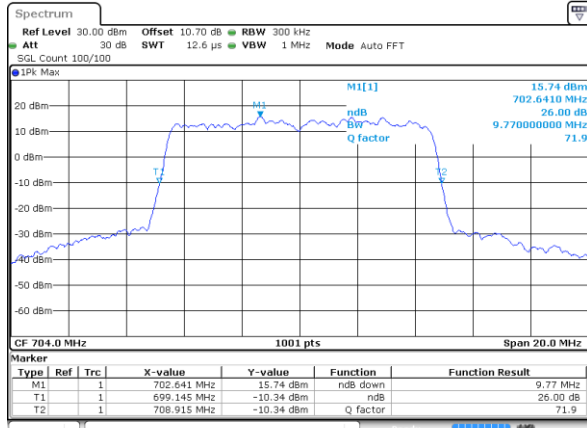


Date: 16 DEC 2019 11:16:56



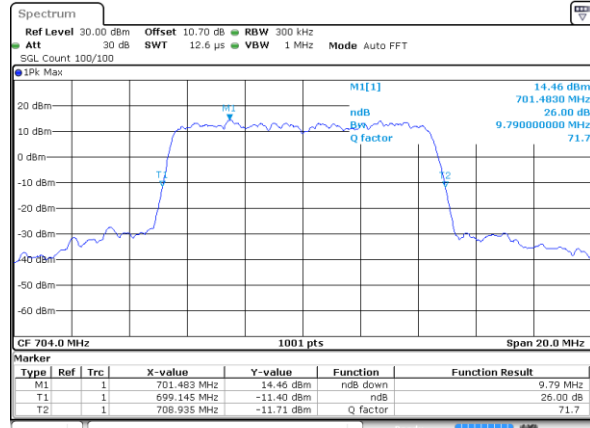
## LTE Band 12

## Lowest Channel / 10MHz / QPSK



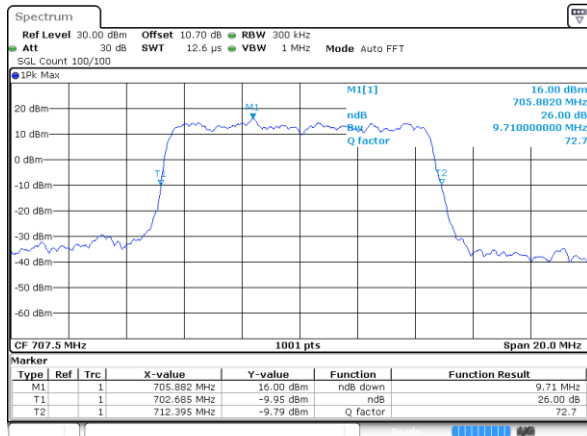
Date: 16 DEC 2019 11:23:21

## Lowest Channel / 10MHz / 16QAM



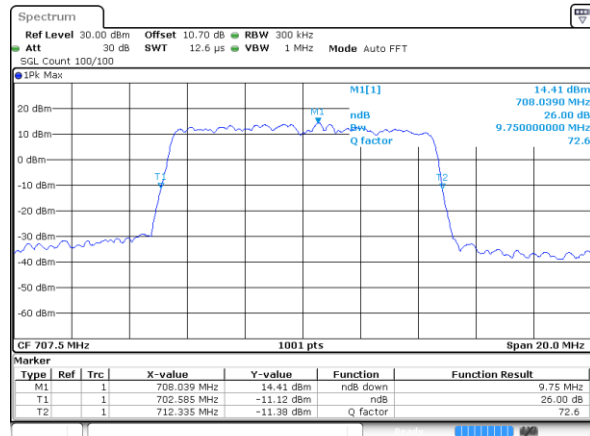
Date: 16 DEC 2019 11:23:09

## Middle Channel / 10MHz / QPSK



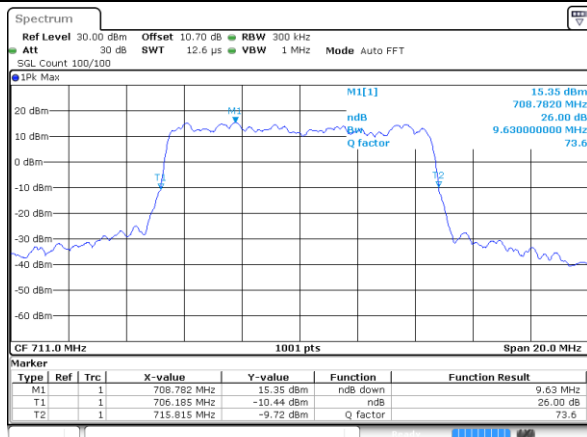
Date: 16 DEC 2019 11:29:21

## Middle Channel / 10MHz / 16QAM



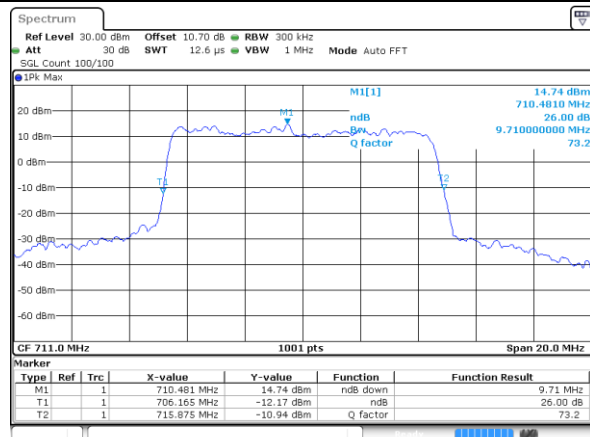
Date: 16 DEC 2019 11:29:32

## Highest Channel / 10MHz / QPSK



Date: 16 DEC 2019 11:31:41

## Highest Channel / 10MHz / 16QAM

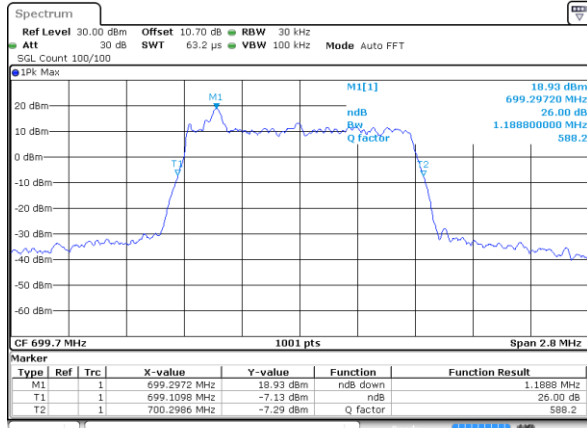


Date: 16 DEC 2019 11:31:29



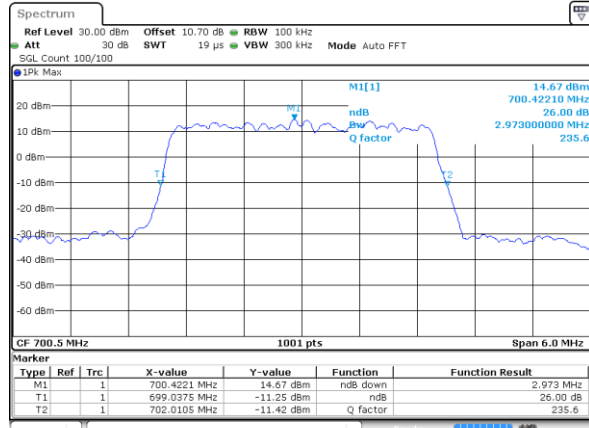
## LTE Band 12

## Lowest Channel / 1.4MHz / 64QAM



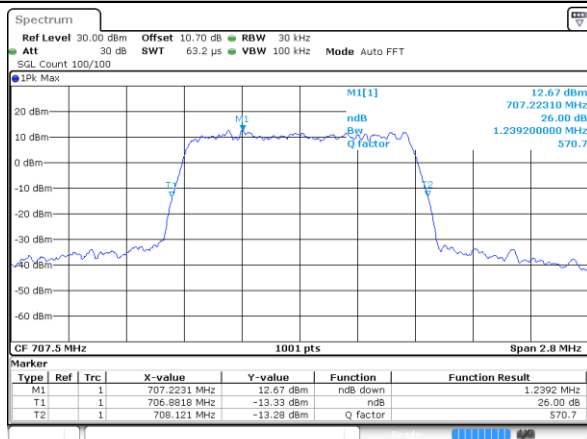
Date: 16 DEC 2019 14:33:15

## Lowest Channel / 3MHz / 64QAM



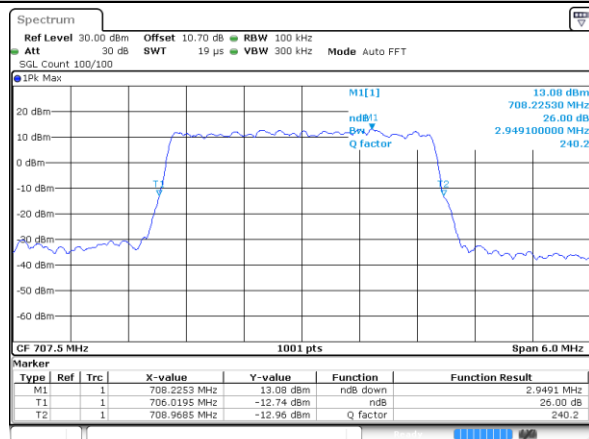
Date: 16 DEC 2019 14:40:31

## Middle Channel / 1.4MHz / 64QAM



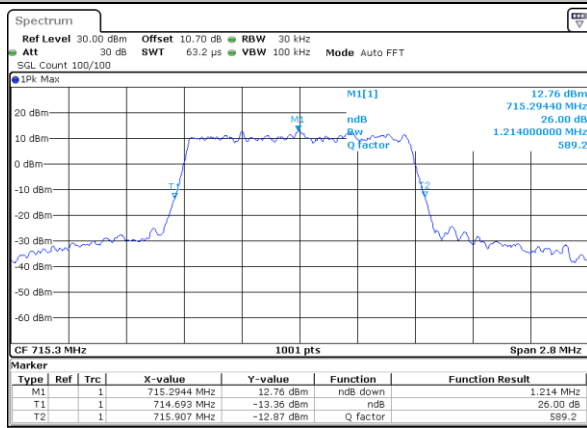
Date: 16 DEC 2019 14:36:21

## Middle Channel / 3MHz / 64QAM



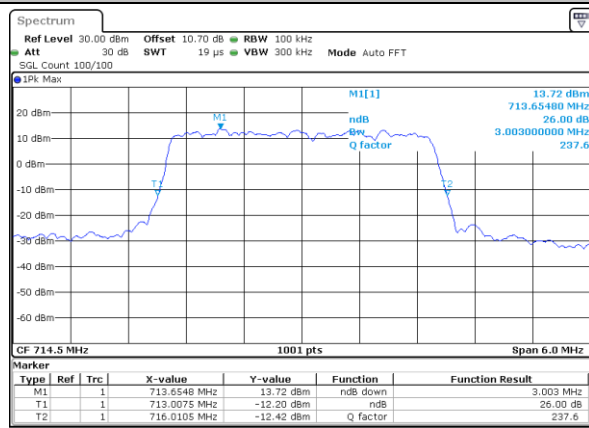
Date: 16 DEC 2019 14:43:37

## Highest Channel / 1.4MHz / 64QAM



Date: 16 DEC 2019 14:37:25

## Highest Channel / 3MHz / 64QAM

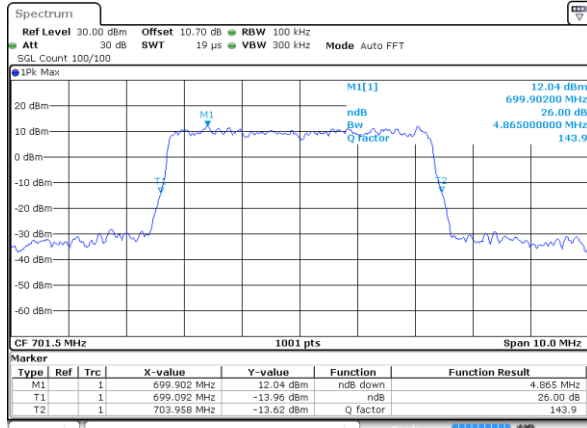


Date: 16 DEC 2019 14:44:41



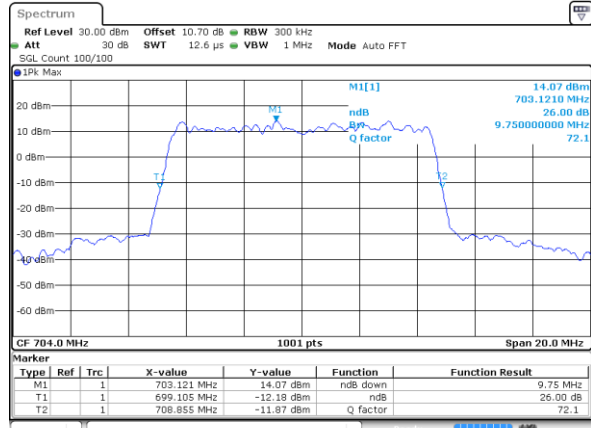
## LTE Band 12

## Lowest Channel / 5MHz / 64QAM



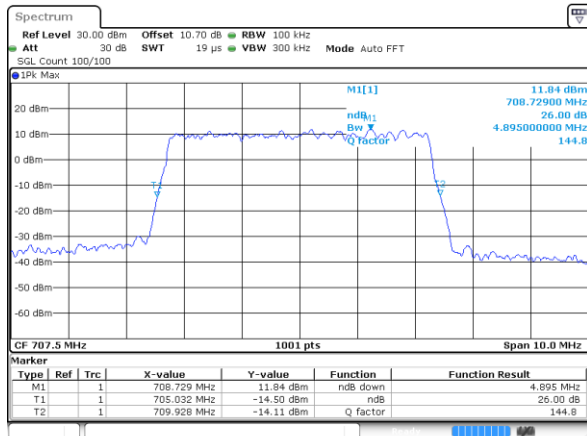
Date: 16 DEC 2019 14:47:48

## Lowest Channel / 10MHz / 64QAM



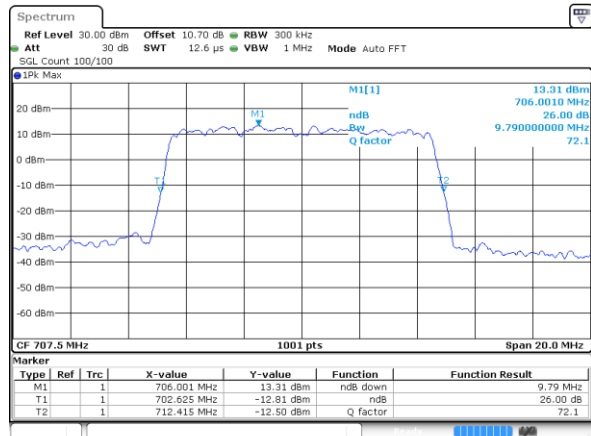
Date: 16 DEC 2019 14:55:05

## Middle Channel / 5MHz / 64QAM



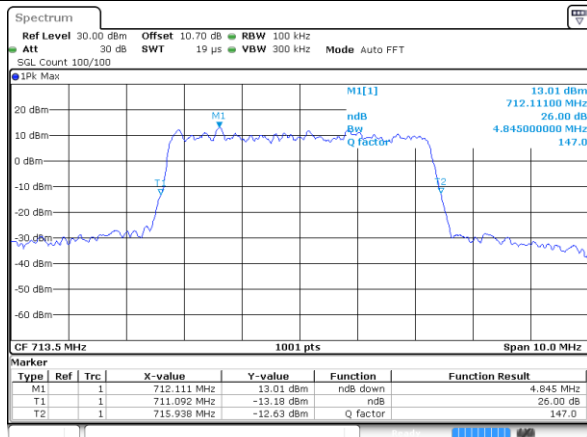
Date: 16 DEC 2019 14:50:54

## Middle Channel / 10MHz / 64QAM



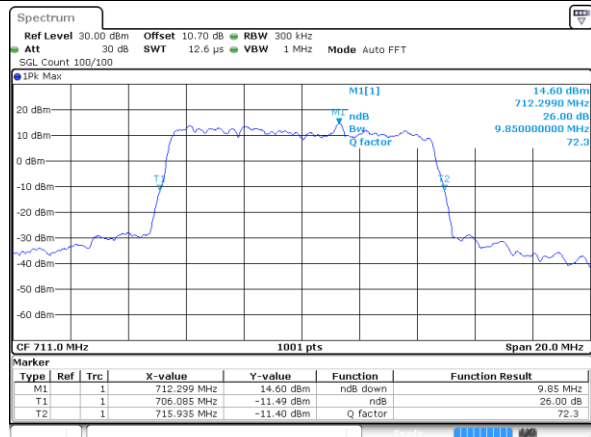
Date: 16 DEC 2019 14:58:10

## Highest Channel / 5MHz / 64QAM



Date: 16 DEC 2019 14:51:58

## Highest Channel / 10MHz / 64QAM



Date: 16 DEC 2019 14:59:14



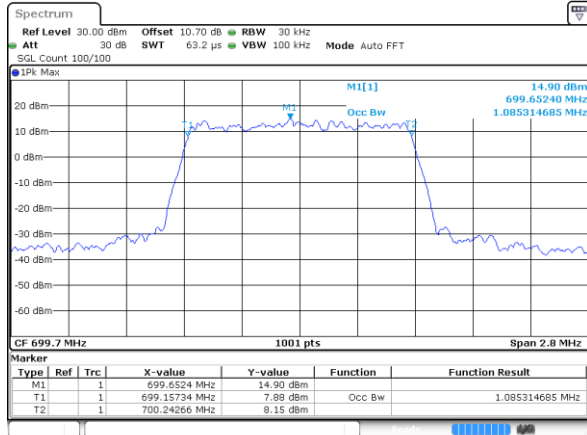
**Occupied Bandwidth**

| Mode       | LTE Band 12 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Lowest CH  | 1.09                      | 1.08  | 2.73  | 2.70  | 4.49  | 4.48  | 8.97  | 9.01  | -     | -     | -     | -     |
| Middle CH  | 1.10                      | 1.09  | 2.71  | 2.70  | 4.49  | 4.48  | 9.07  | 8.99  | -     | -     | -     | -     |
| Highest CH | 1.09                      | 1.09  | 2.72  | 2.72  | 4.48  | 4.49  | 9.01  | 9.01  | -     | -     | -     | -     |
| Mode       | LTE Band 12 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.09                      | -     | 2.73  | -     | 4.51  | -     | 8.95  | -     | -     | -     | -     | -     |
| Middle CH  | 1.10                      | -     | 2.71  | -     | 4.51  | -     | 8.99  | -     | -     | -     | -     | -     |
| Highest CH | 1.09                      | -     | 2.72  | -     | 4.51  | -     | 9.03  | -     | -     | -     | -     | -     |

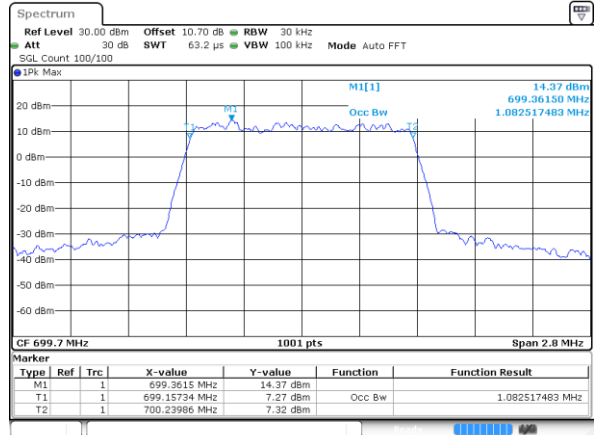


## LTE Band 12

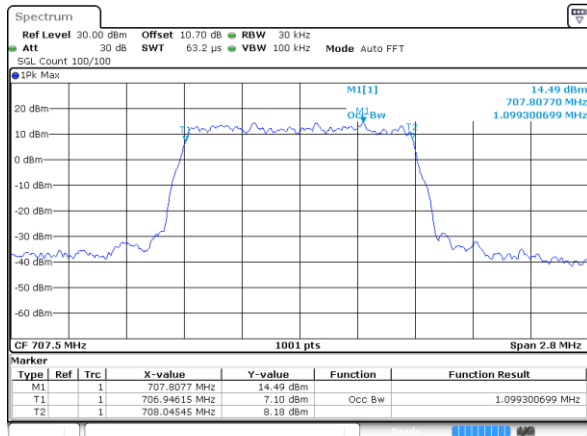
## Lowest Channel / 1.4MHz / QPSK



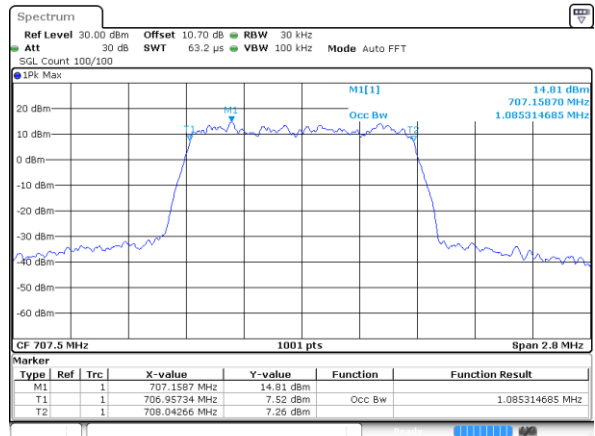
## Lowest Channel / 1.4MHz / 16QAM



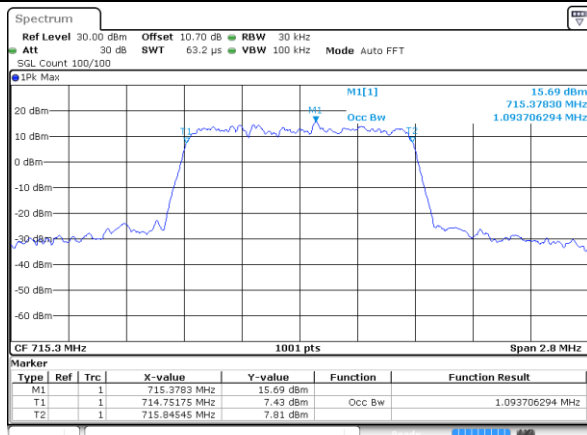
## Middle Channel / 1.4MHz / QPSK



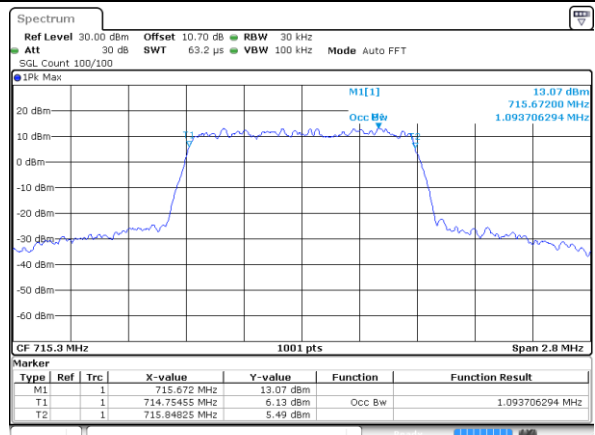
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



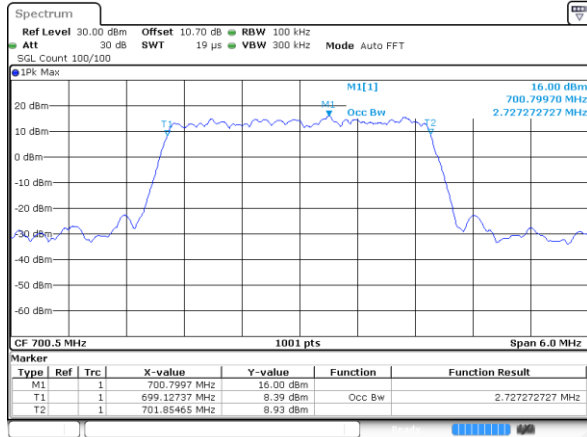
## Highest Channel / 1.4MHz / 16QAM



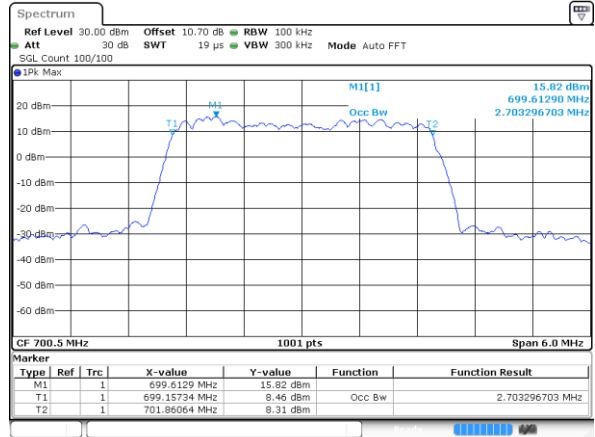


## LTE Band 12

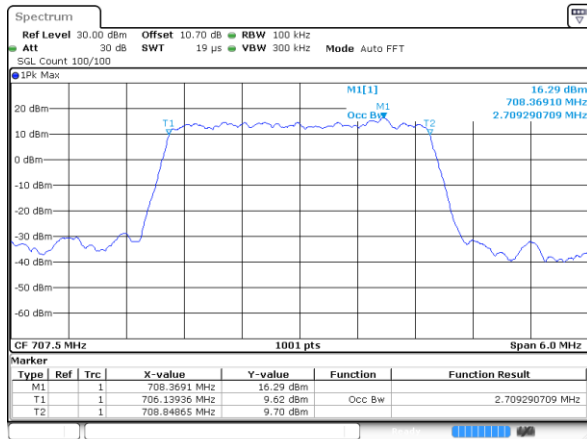
## Lowest Channel / 3MHz / QPSK



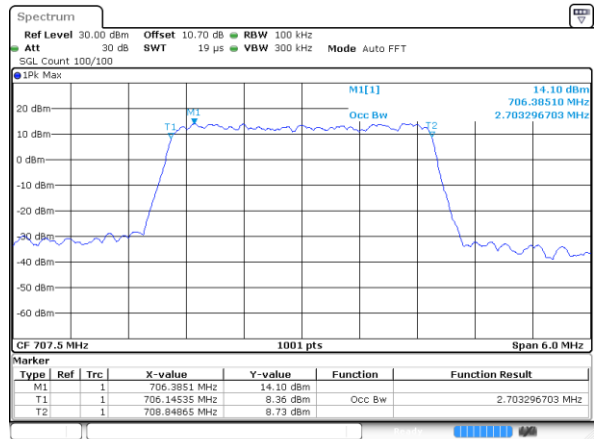
## Lowest Channel / 3MHz / 16QAM



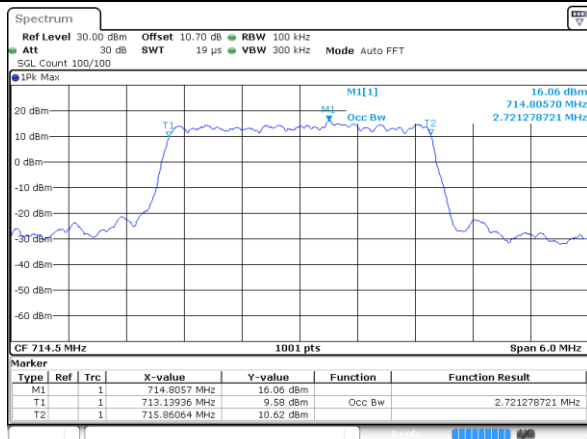
## Middle Channel / 3MHz / QPSK



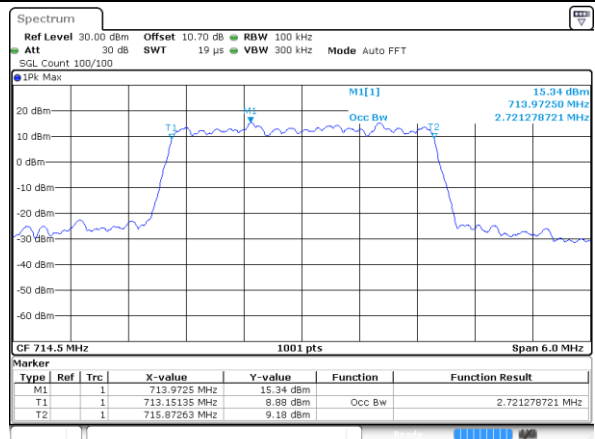
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



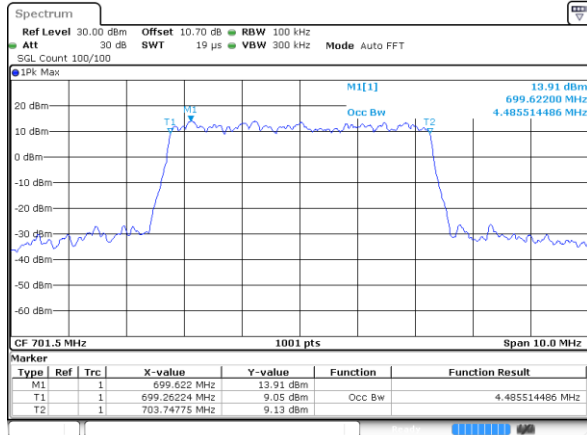
## Highest Channel / 3MHz / 16QAM





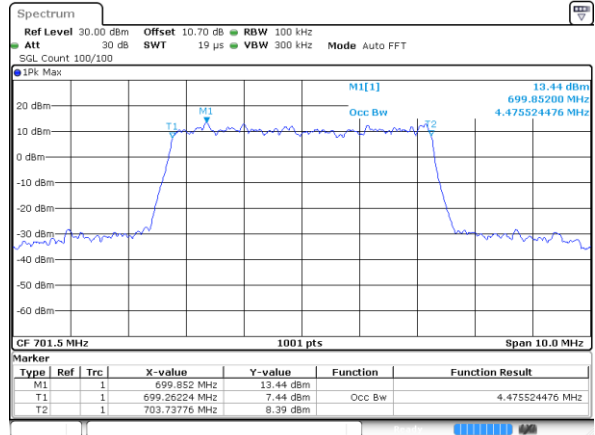
## LTE Band 12

## Lowest Channel / 5MHz / QPSK



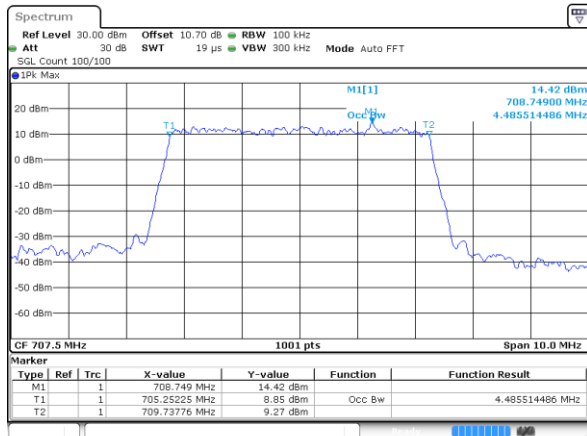
Date: 16 DEC 2019 11:02:43

## Lowest Channel / 5MHz / 16QAM



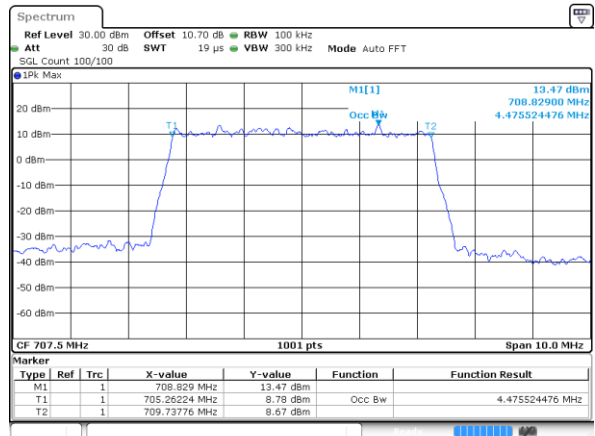
Date: 16 DEC 2019 11:02:55

## Middle Channel / 5MHz / QPSK



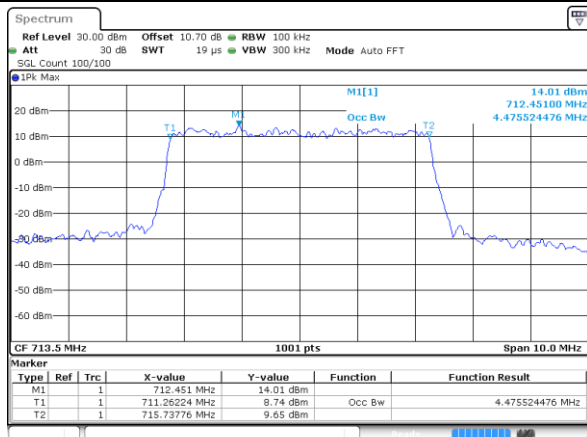
Date: 16 DEC 2019 11:14:35

## Middle Channel / 5MHz / 16QAM



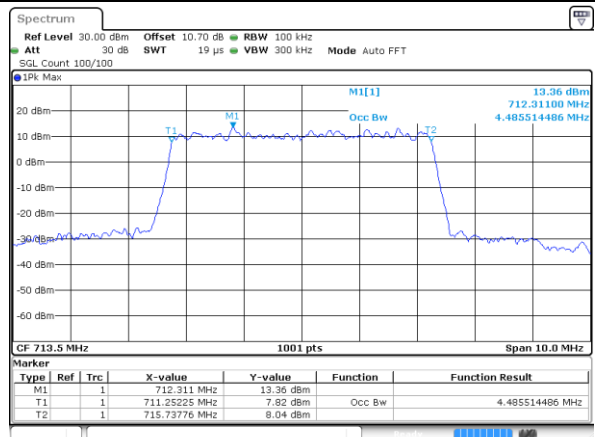
Date: 16 DEC 2019 11:14:23

## Highest Channel / 5MHz / QPSK



Date: 16 DEC 2019 11:16:31

## Highest Channel / 5MHz / 16QAM

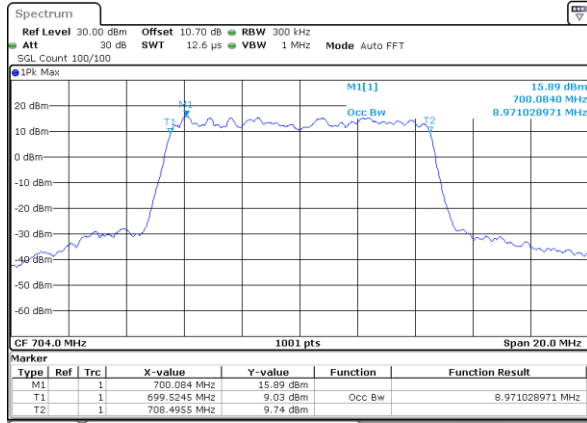


Date: 16 DEC 2019 11:16:43



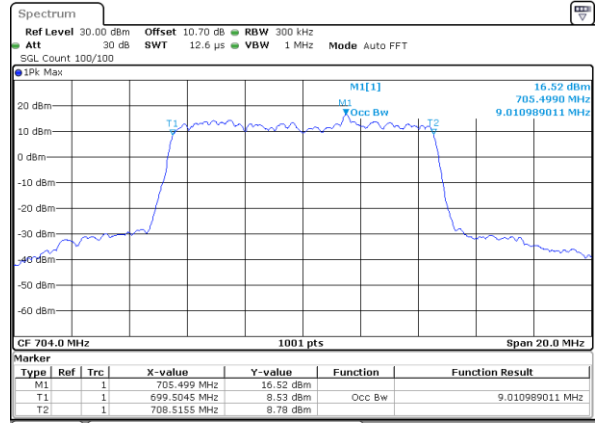
## LTE Band 12

## Lowest Channel / 10MHz / QPSK



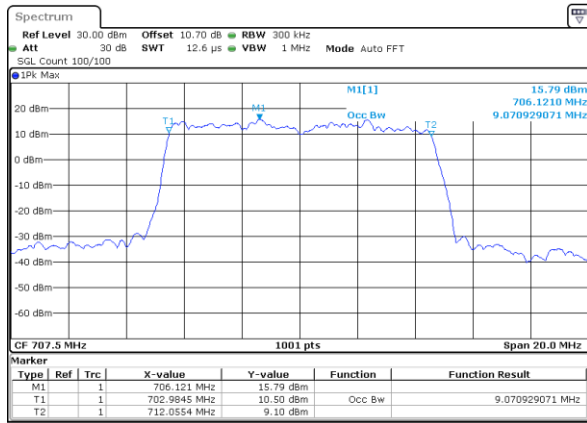
Date: 16 DEC 2019 11:22:45

## Lowest Channel / 10MHz / 16QAM



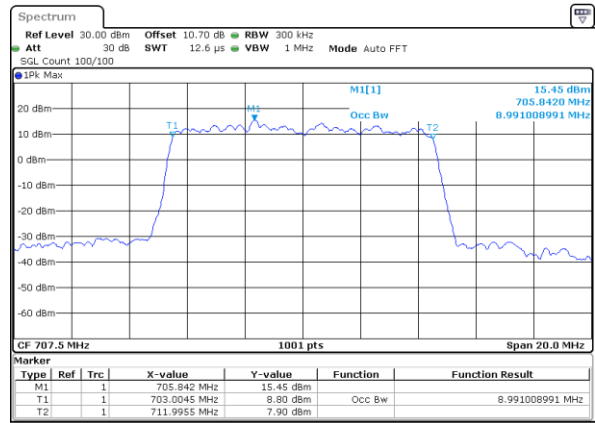
Date: 16 DEC 2019 11:22:57

## Middle Channel / 10MHz / QPSK



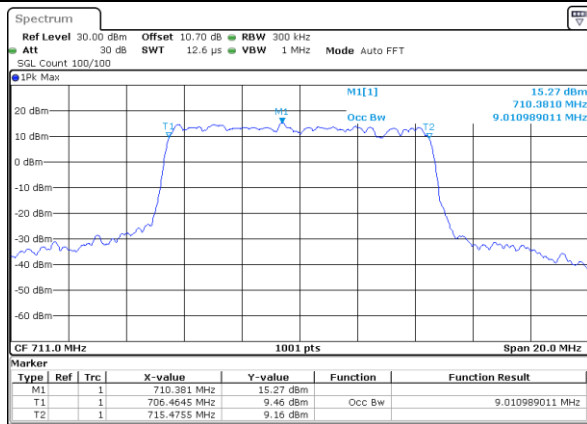
Date: 16 DEC 2019 11:29:10

## Middle Channel / 10MHz / 16QAM



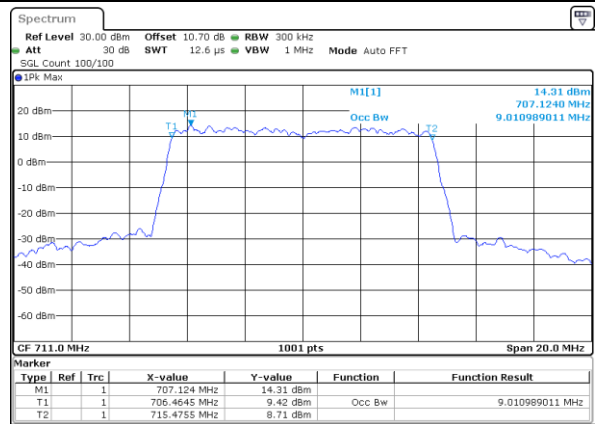
Date: 16 DEC 2019 11:28:58

## Highest Channel / 10MHz / QPSK



Date: 16 DEC 2019 11:31:05

## Highest Channel / 10MHz / 16QAM

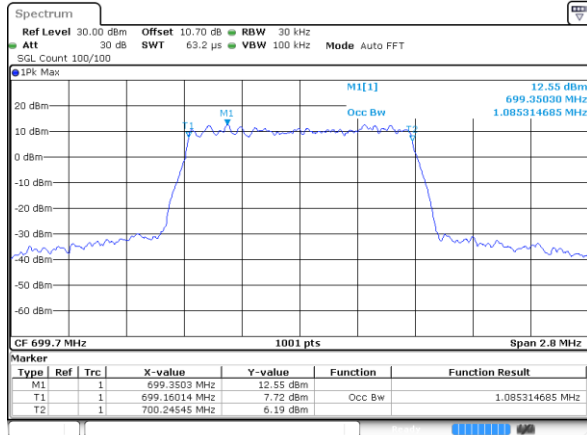


Date: 16 DEC 2019 11:31:17

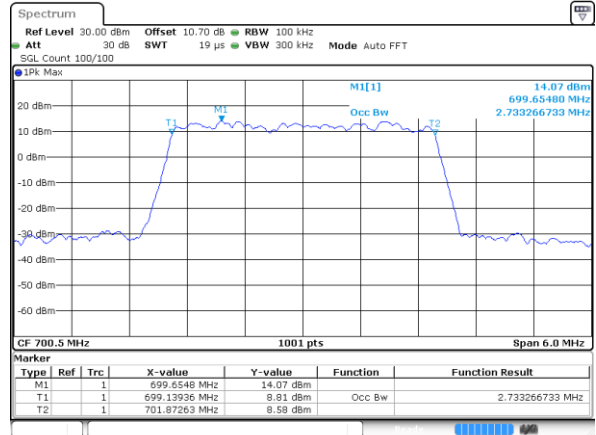


## LTE Band 12

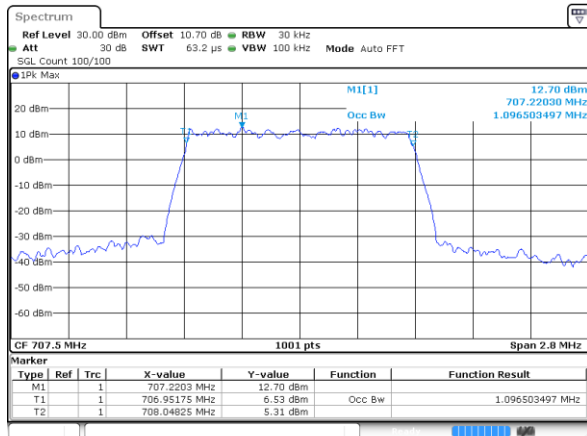
## Lowest Channel / 1.4MHz / 64QAM



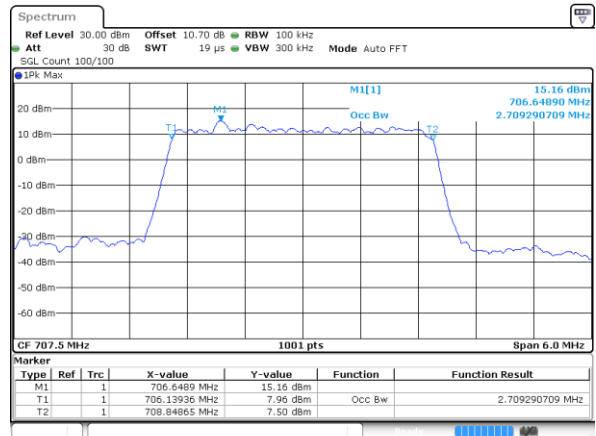
## Lowest Channel / 3MHz / 64QAM



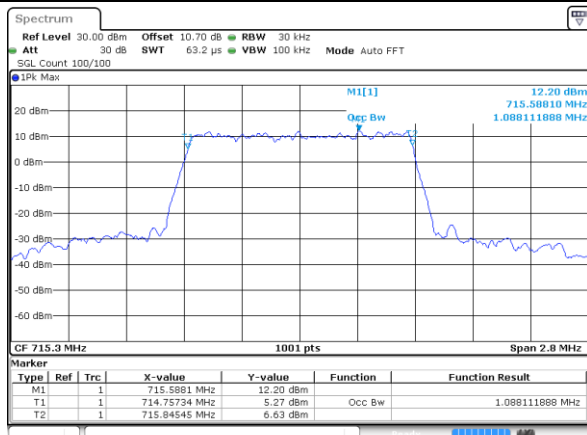
## Middle Channel / 1.4MHz / 64QAM



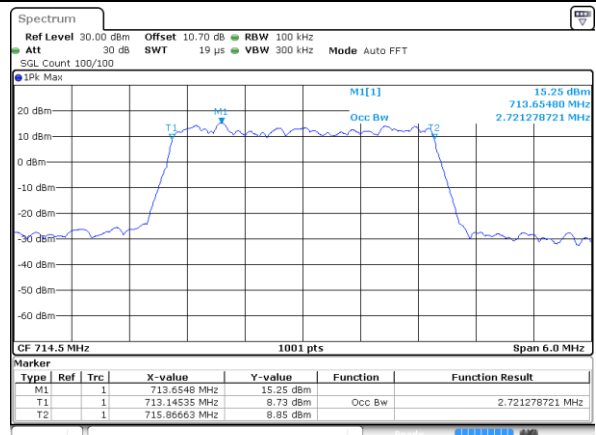
## Middle Channel / 3MHz / 64QAM



## Highest Channel / 1.4MHz / 64QAM



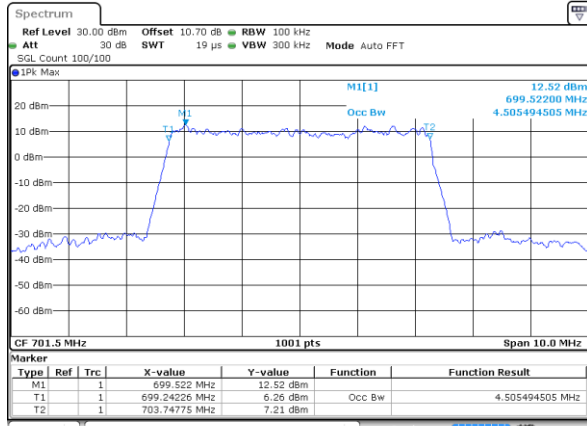
## Highest Channel / 3MHz / 64QAM



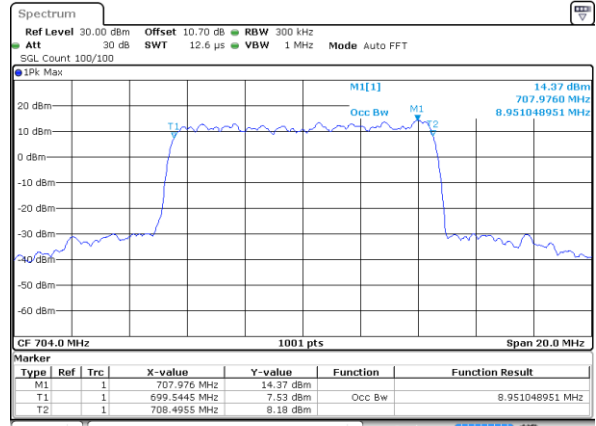


## LTE Band 12

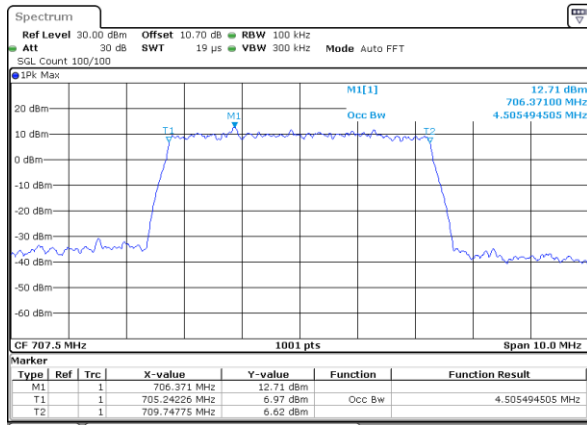
## Lowest Channel / 5MHz / 64QAM



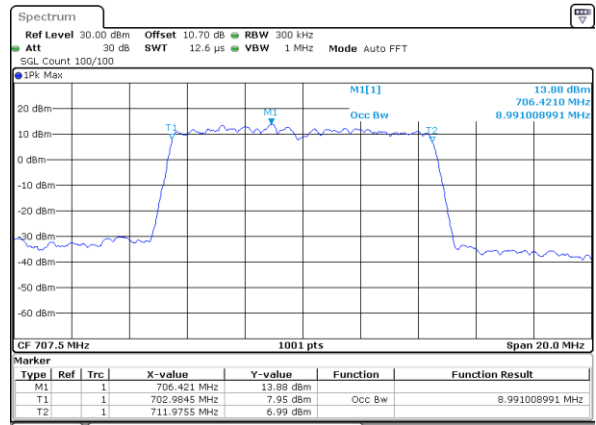
## Lowest Channel / 10MHz / 64QAM



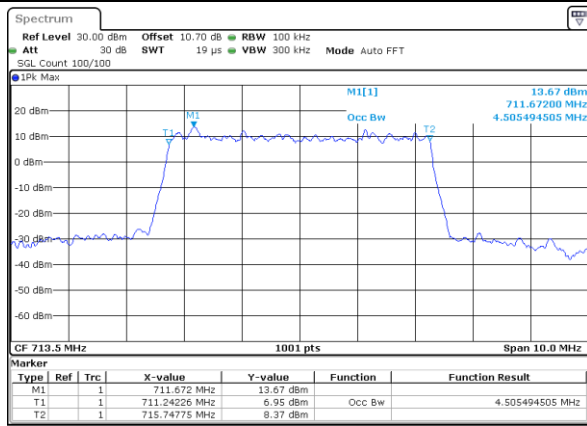
## Middle Channel / 5MHz / 64QAM



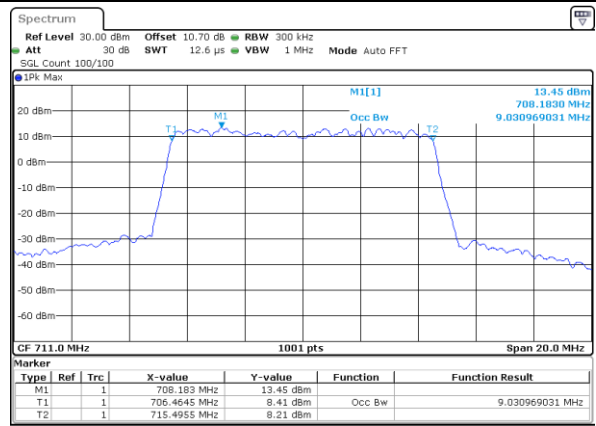
## Middle Channel / 10MHz / 64QAM

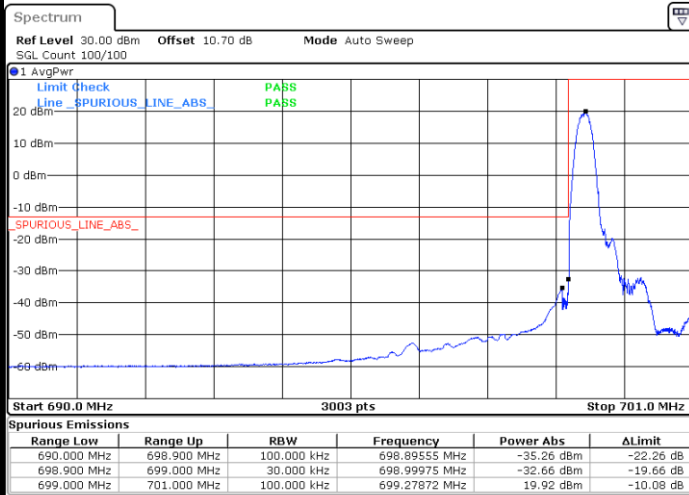
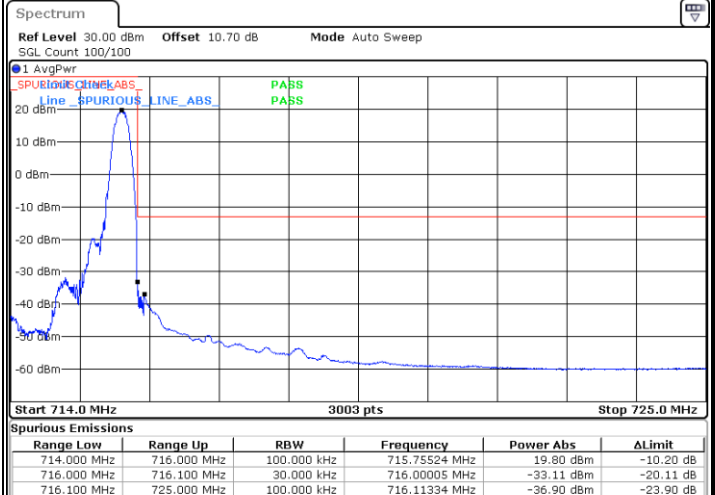
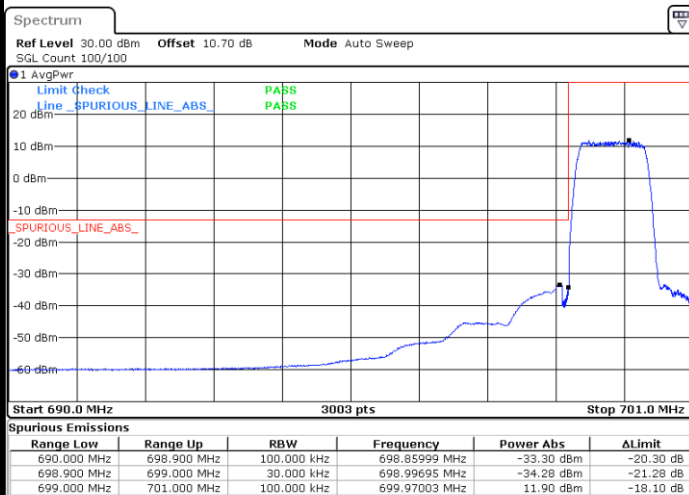
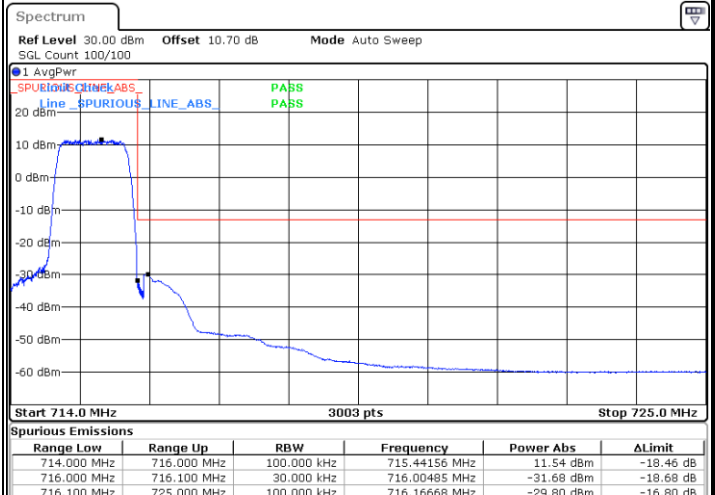


## Highest Channel / 5MHz / 64QAM



## Highest Channel / 10MHz / 64QAM



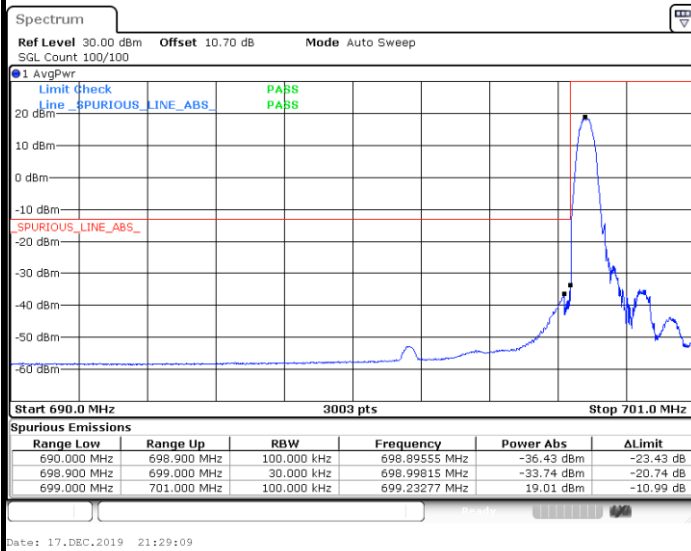
**Conducted Band Edge****LTE Band 12 / 1.4MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



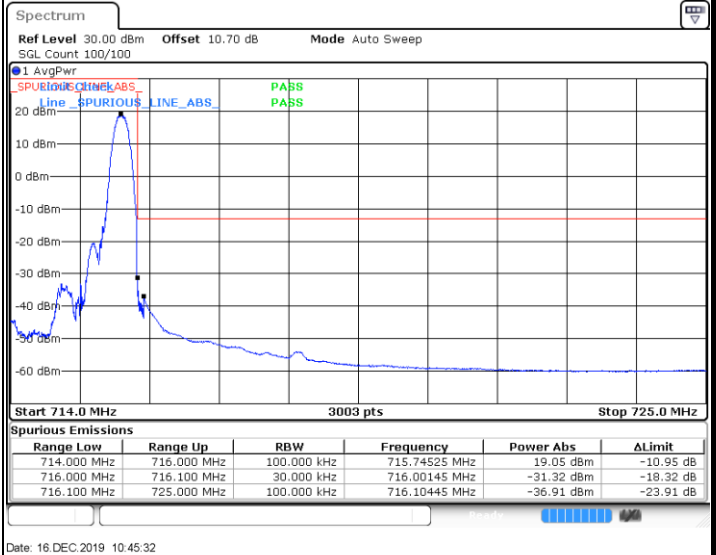


## LTE Band 12 / 1.4MHz / 16QAM

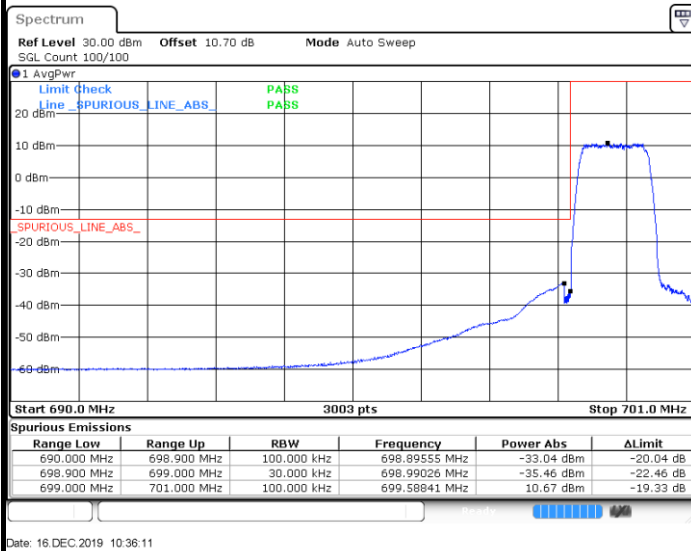
## Lowest Band Edge / 1 RB



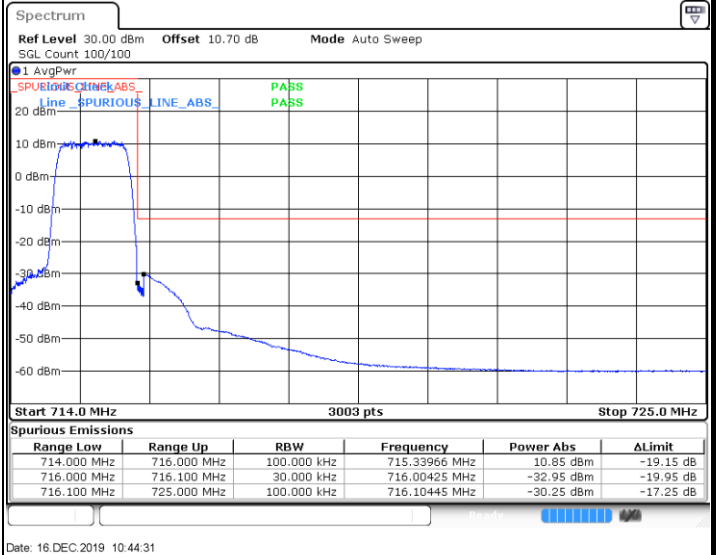
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



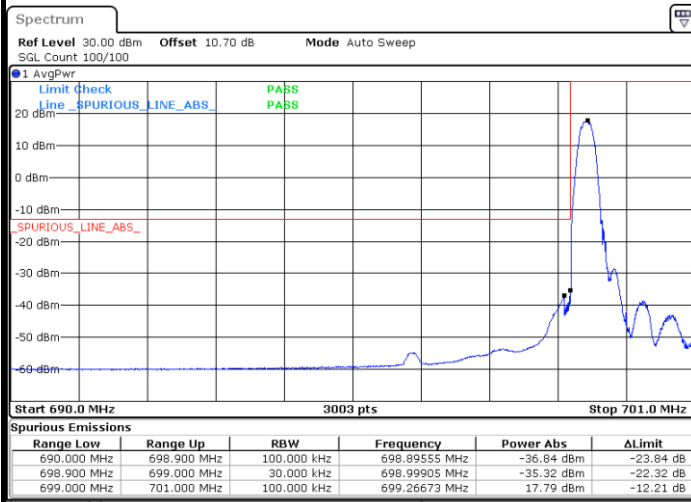
## Highest Band Edge / Full RB



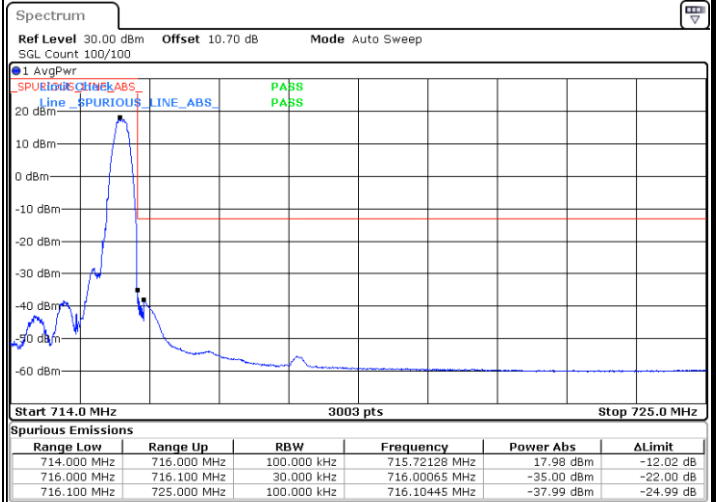


## LTE Band 12 / 1.4MHz / 64QAM

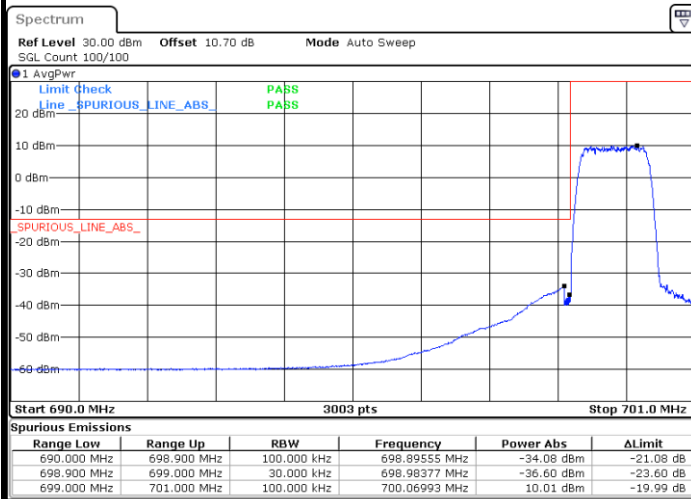
## Lowest Band Edge / 1 RB



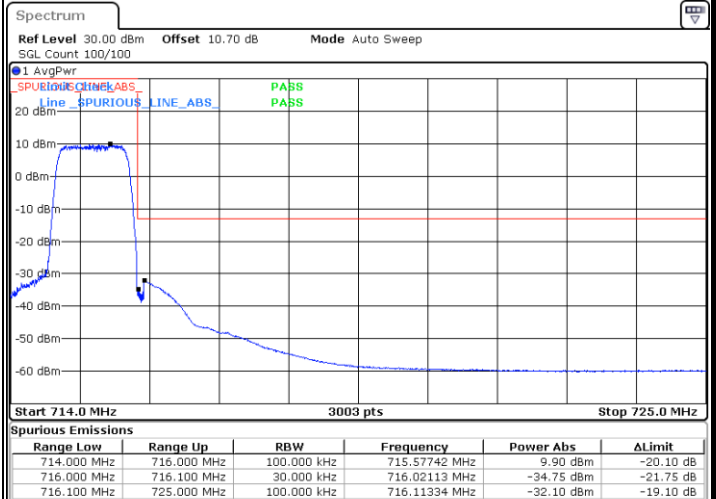
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



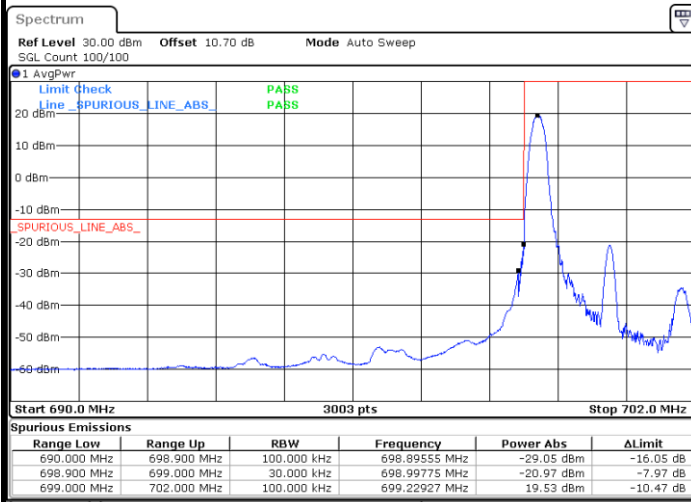
## Highest Band Edge / Full RB



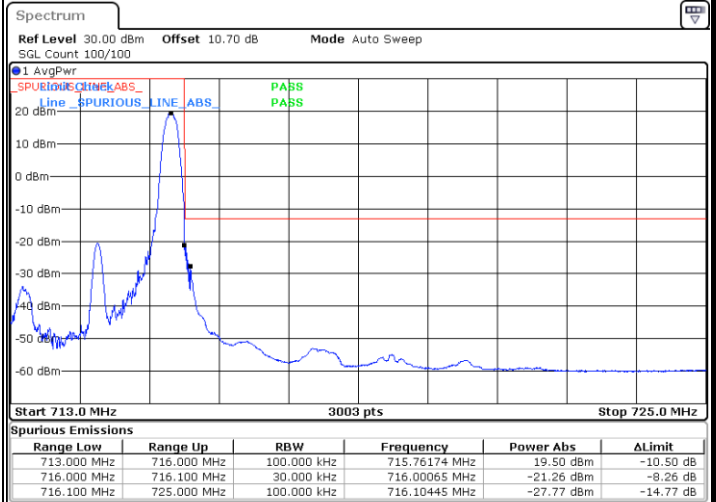


## LTE Band 12 / 3MHz / QPSK

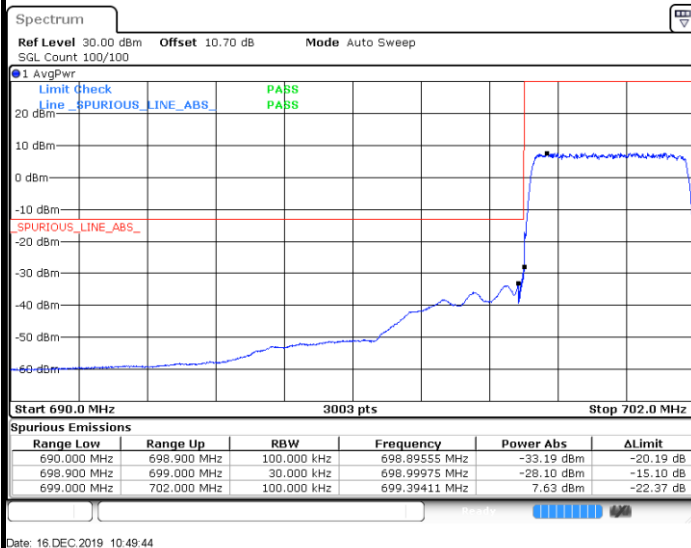
## Lowest Band Edge / 1RB



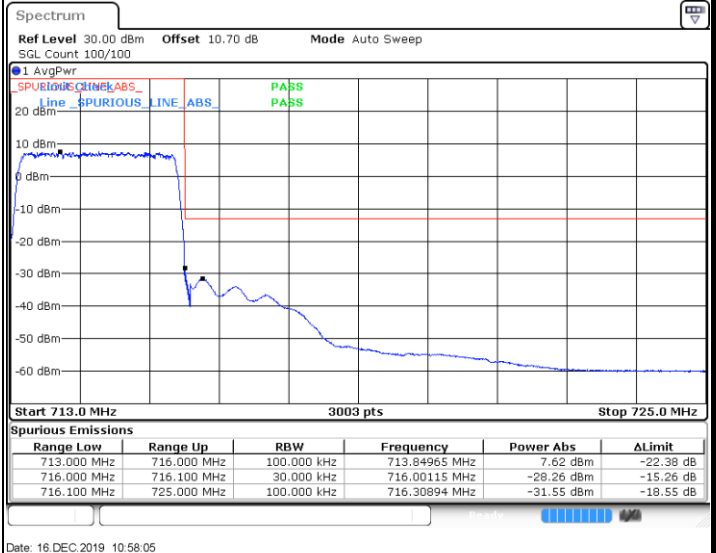
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



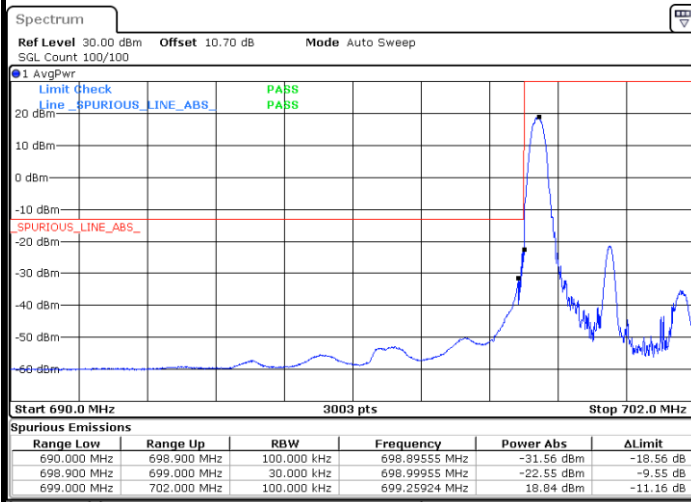
## Highest Band Edge / Full RB



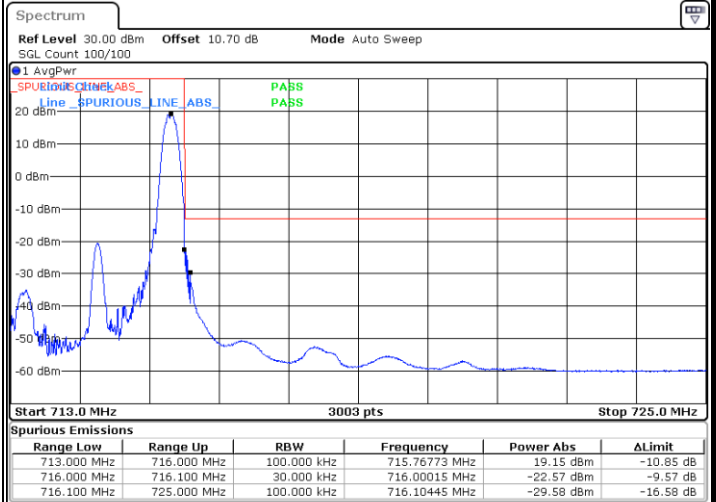


## LTE Band 12 / 3MHz / 16QAM

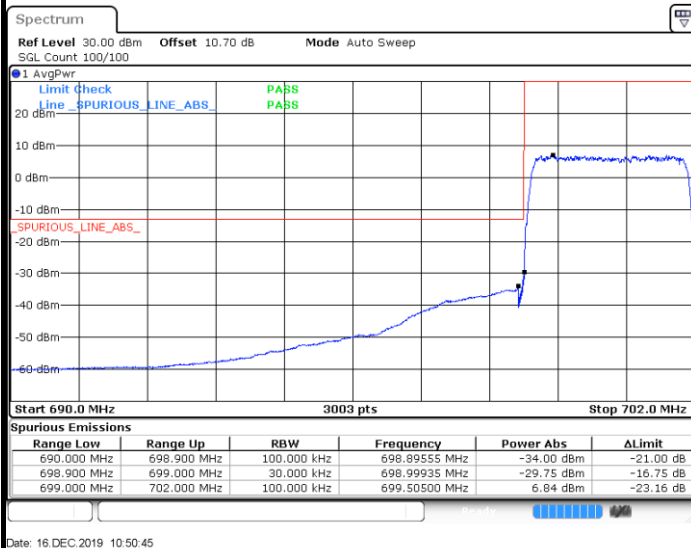
## Lowest Band Edge / 1 RB



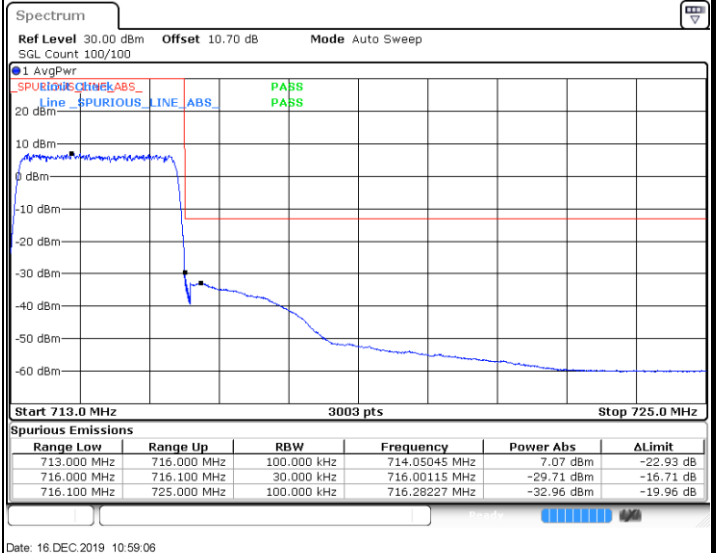
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



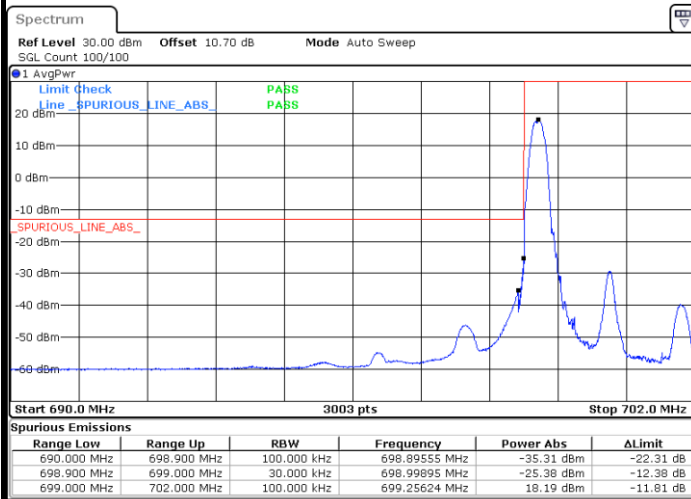
## Highest Band Edge / Full RB



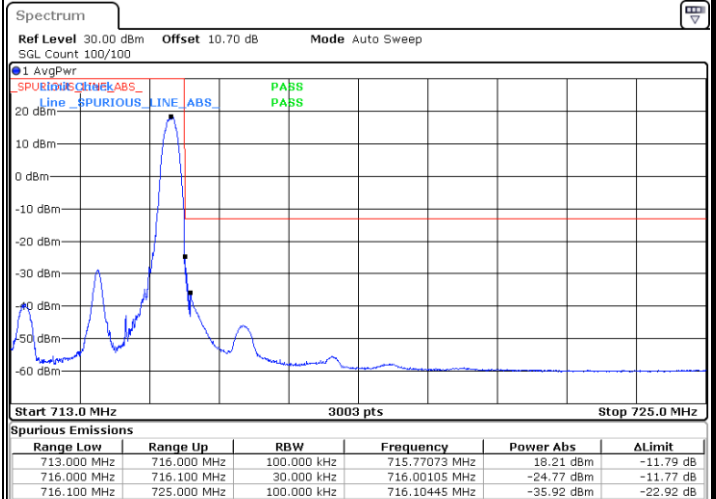


## LTE Band 12 / 3MHz / 64QAM

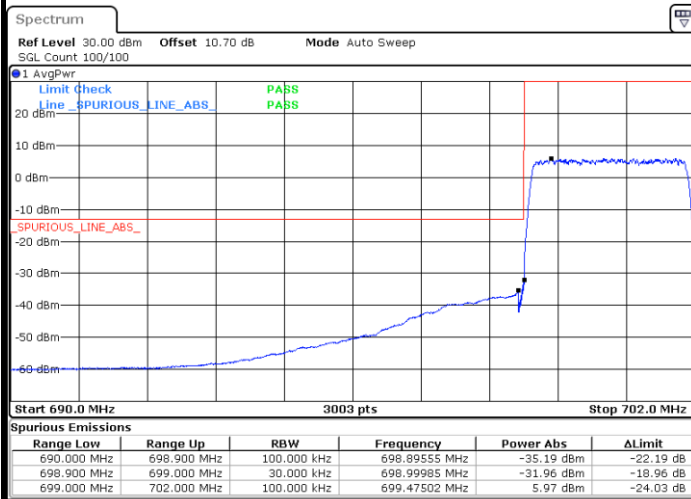
## Lowest Band Edge / 1 RB



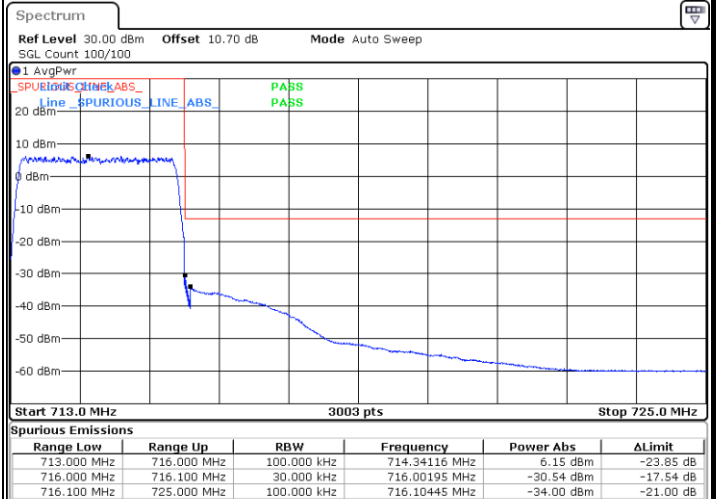
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



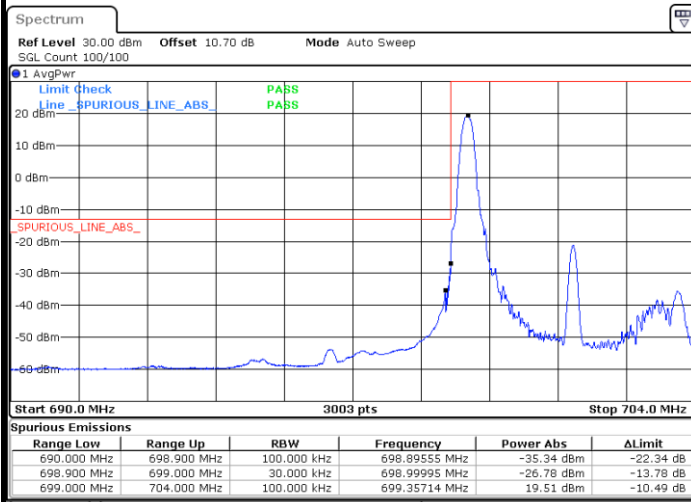
## Highest Band Edge / Full RB



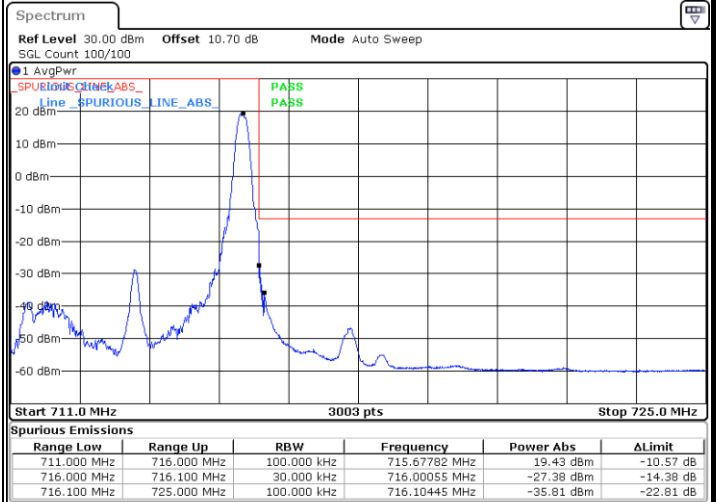


## LTE Band 12 / 5MHz / QPSK

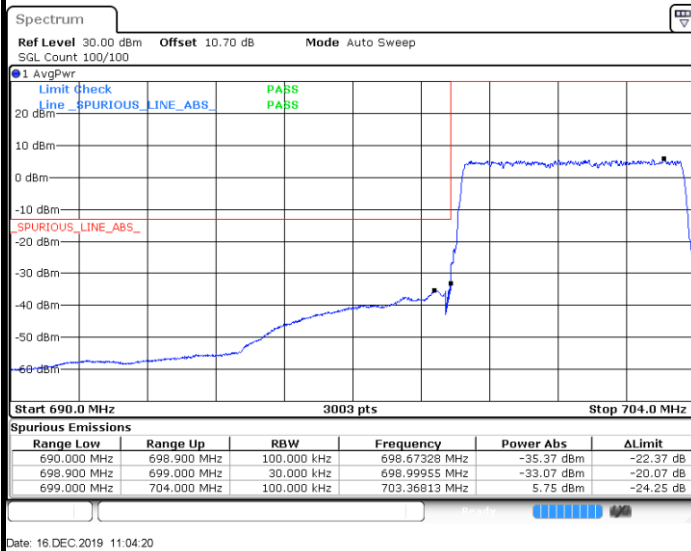
## Lowest Band Edge / 1 RB



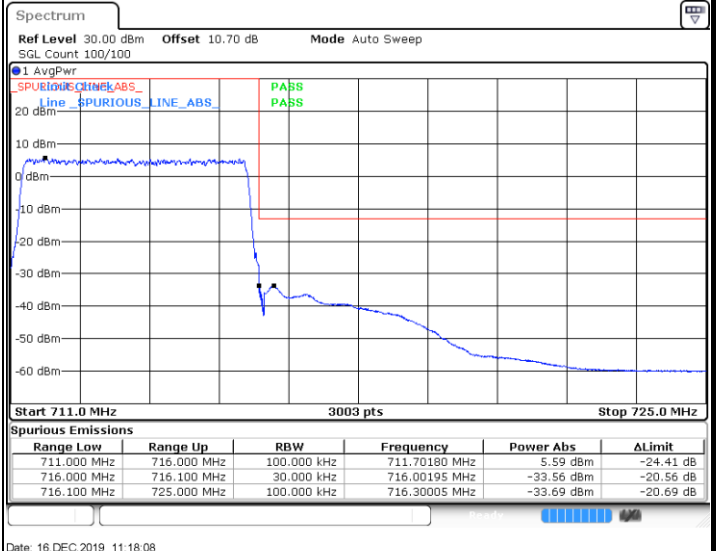
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



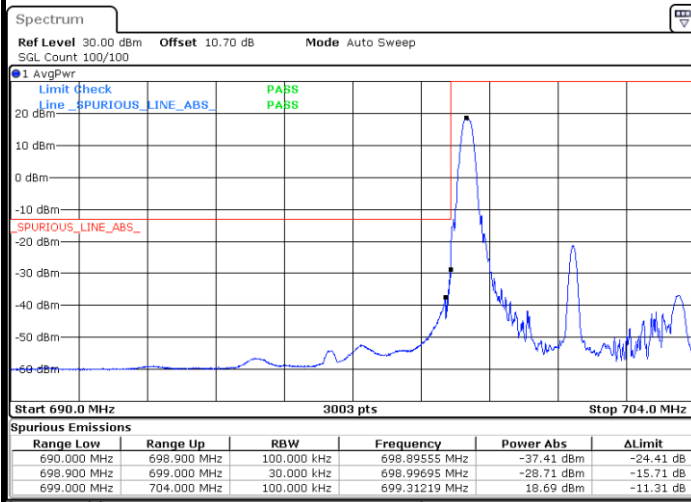
## Highest Band Edge / Full RB



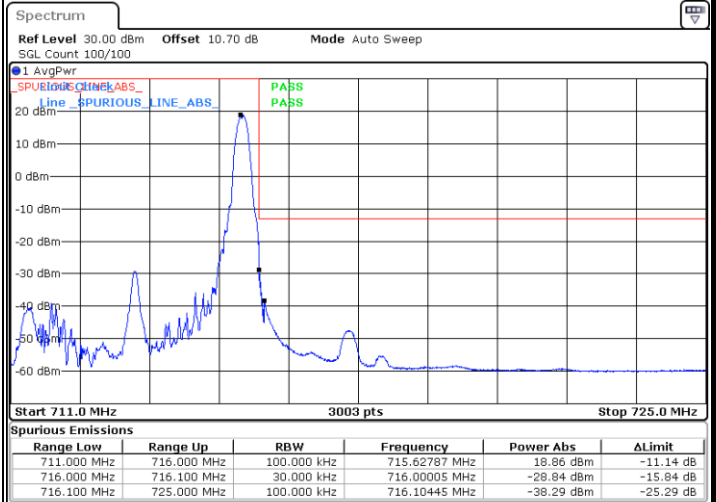


## LTE Band 12 / 5MHz / 16QAM

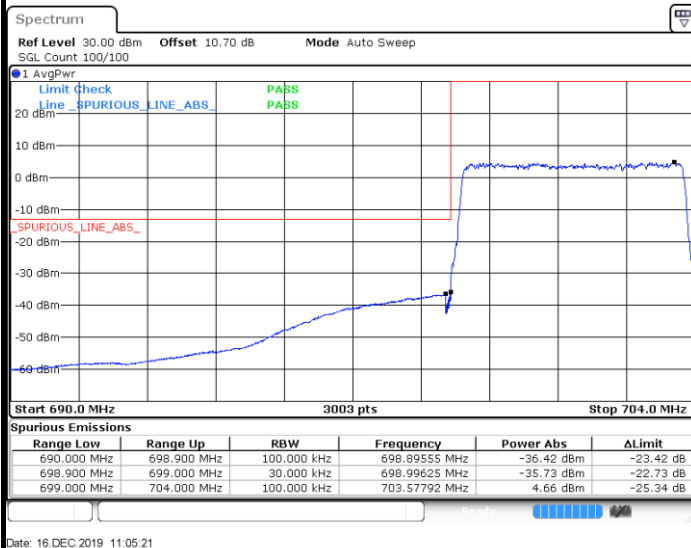
## Lowest Band Edge / 1RB



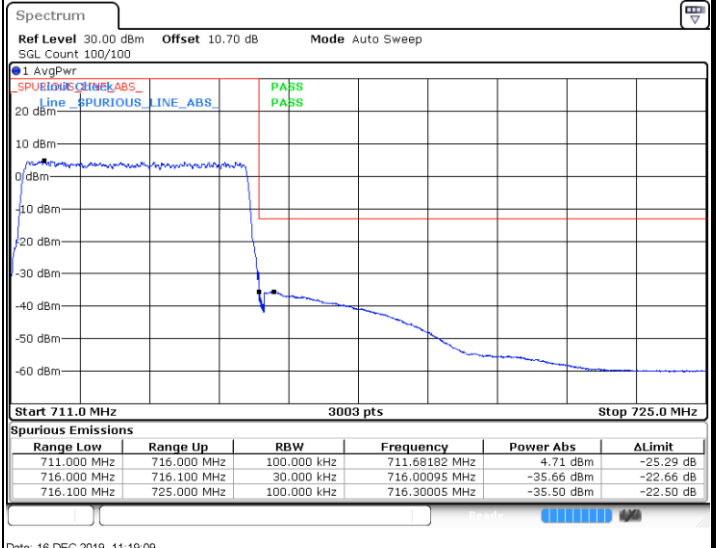
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



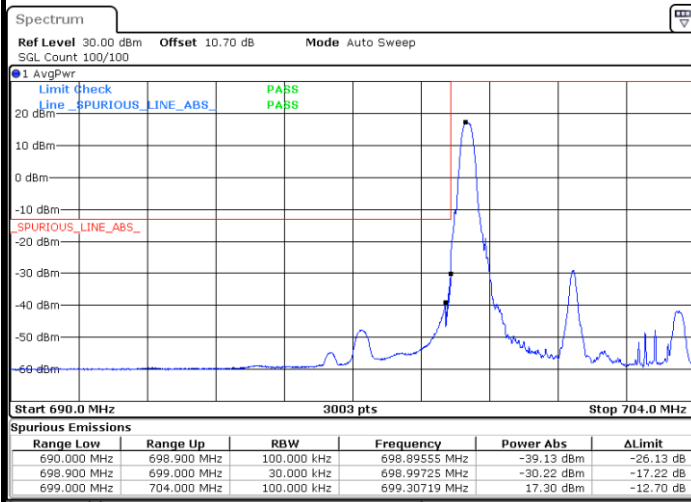
## Highest Band Edge / Full RB



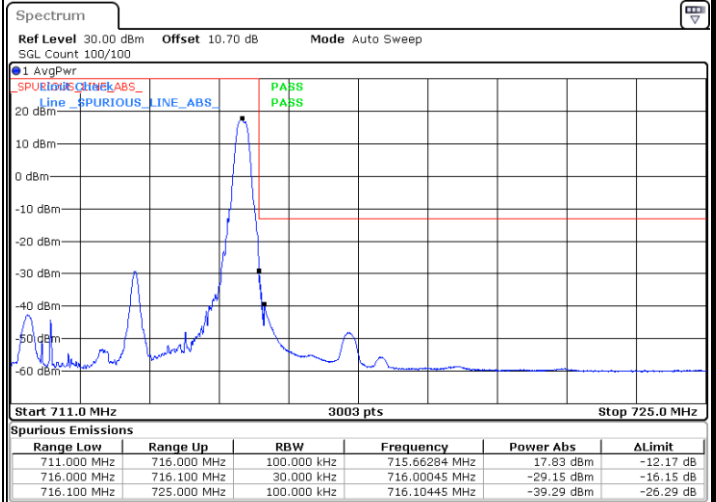


## LTE Band 12 / 5MHz / 64QAM

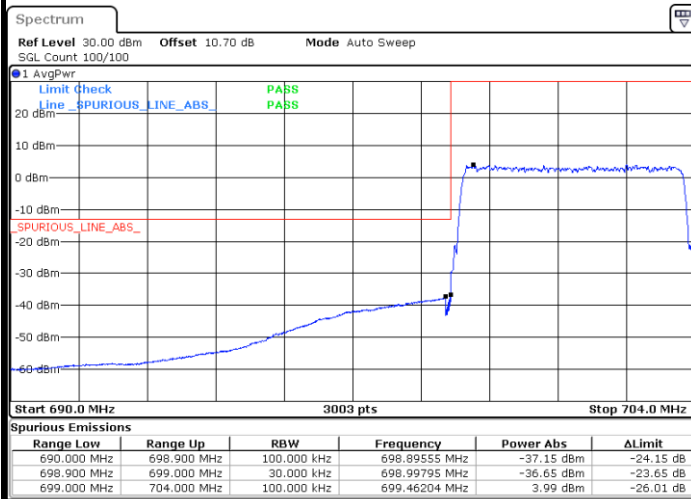
## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

