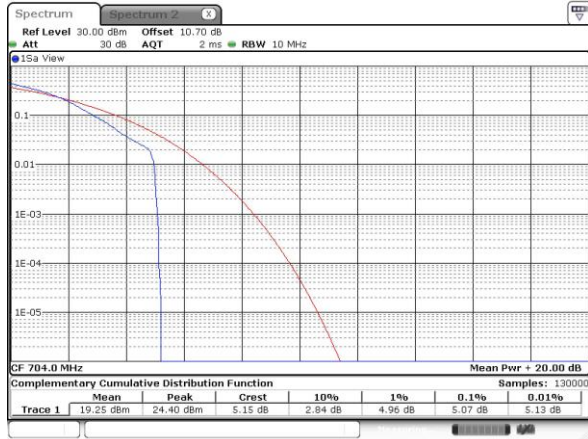


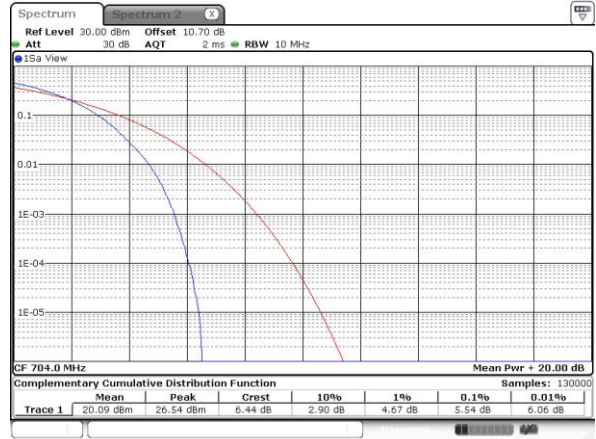


## LTE Band 12 / 10MHz / 16QAM

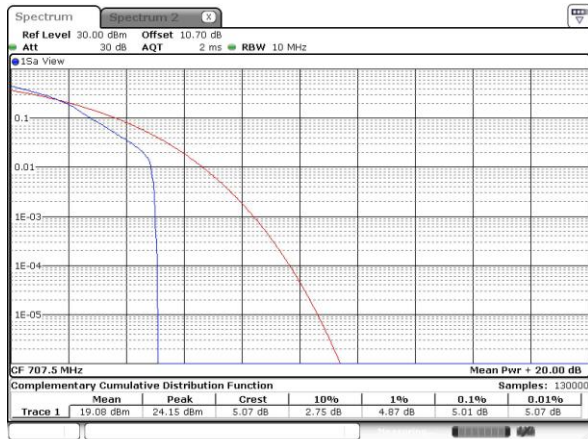
## Lowest Channel / 1RB



## Lowest Channel / Full RB



## Middle Channel / 1RB



## Middle Channel / Full RB



## Highest Channel / 1RB



## Highest Channel / Full RB





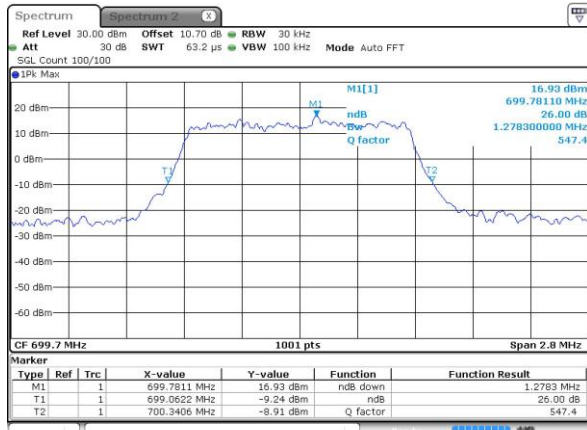
## 26dB Bandwidth

| 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  | 1.278                      | 1.298 | 2.931 | 3.033 | 4.835 | 4.985 | 9.85  | 9.75  | -     | -     | -     | -     |
| Middle CH  | 1.253                      | 1.301 | 3.033 | 2.967 | 5.025 | 4.905 | 9.79  | 9.75  | -     | -     | -     | -     |
| Highest CH | 1.276                      | 1.309 | 3.045 | 3.063 | 4.945 | 4.935 | 9.67  | 9.73  | -     | -     | -     | -     |



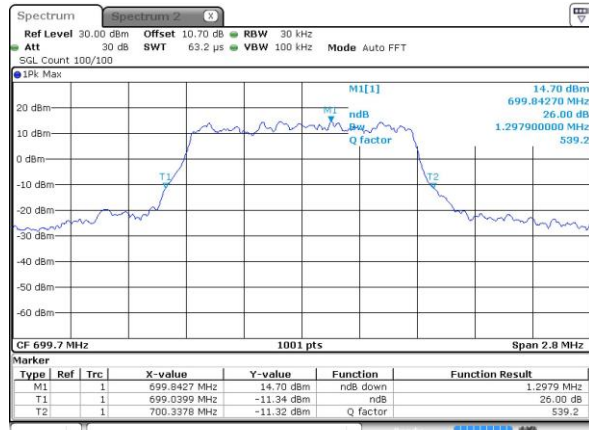
## LTE Band 12

## Lowest Channel / 1.4MHz / QPSK



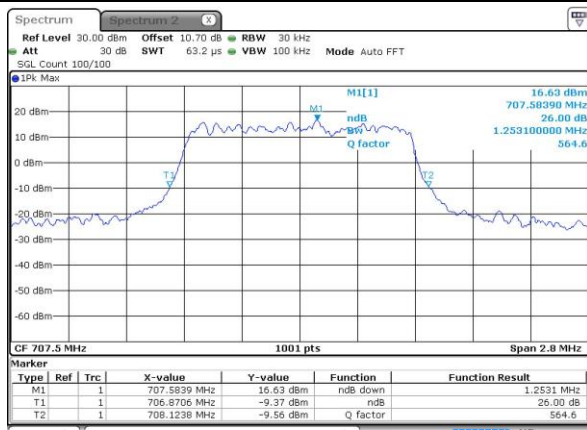
Date: 18 MAY 2017 22:02:40

## Lowest Channel / 1.4MHz / 16QAM



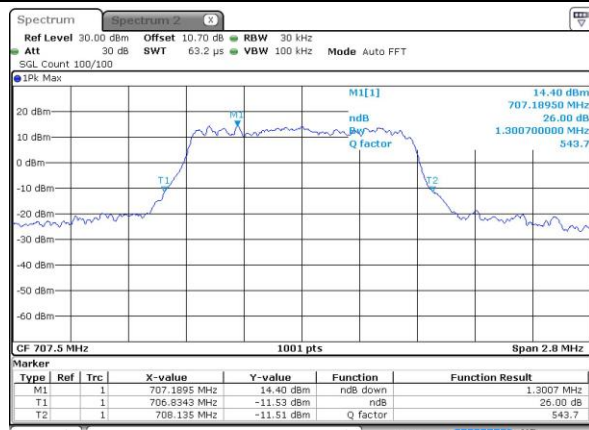
Date: 18 MAY 2017 22:02:29

## Middle Channel / 1.4MHz / QPSK



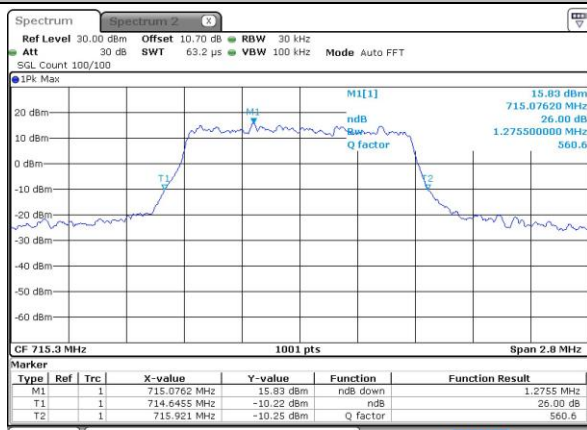
Date: 18 MAY 2017 22:09:36

## Middle Channel / 1.4MHz / 16QAM



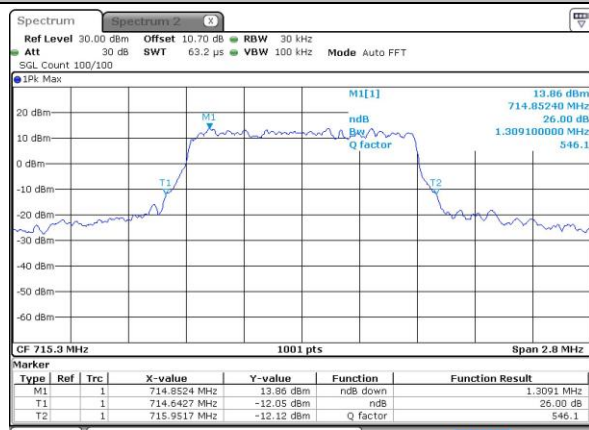
Date: 18 MAY 2017 22:09:46

## Highest Channel / 1.4MHz / QPSK



Date: 18 MAY 2017 22:12:16

## Highest Channel / 1.4MHz / 16QAM

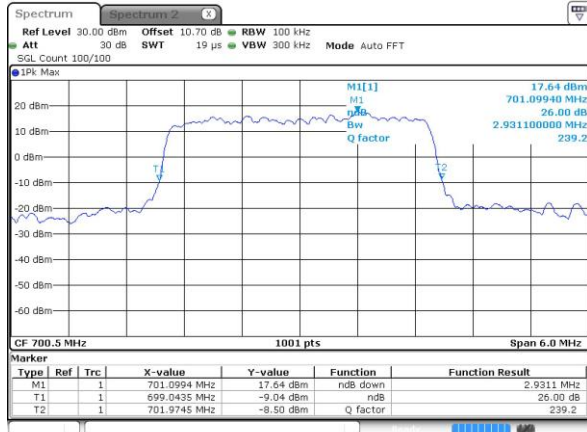


Date: 18 MAY 2017 22:12:06

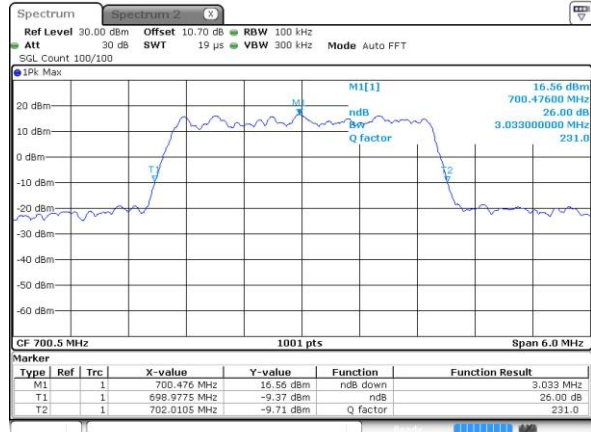


## LTE Band 12

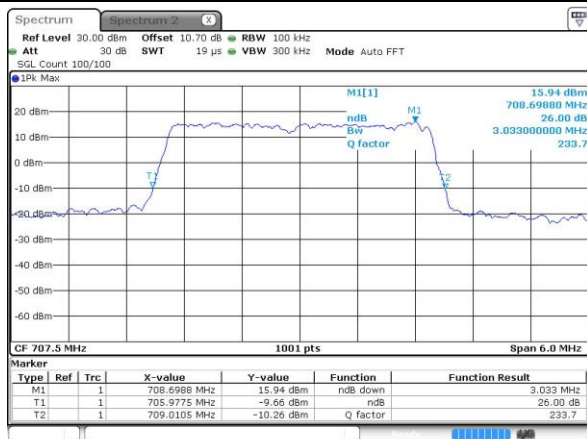
## Lowest Channel / 3MHz / QPSK



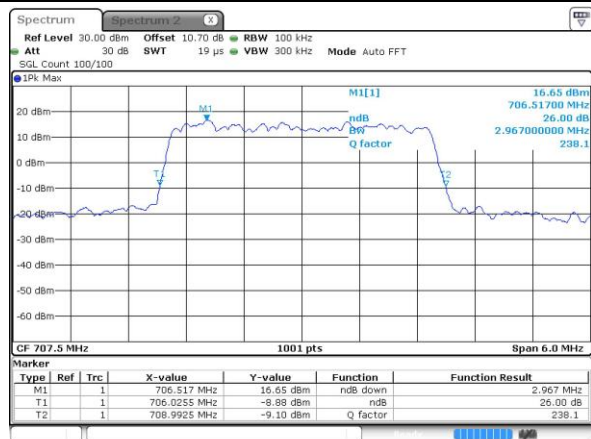
## Lowest Channel / 3MHz / 16QAM



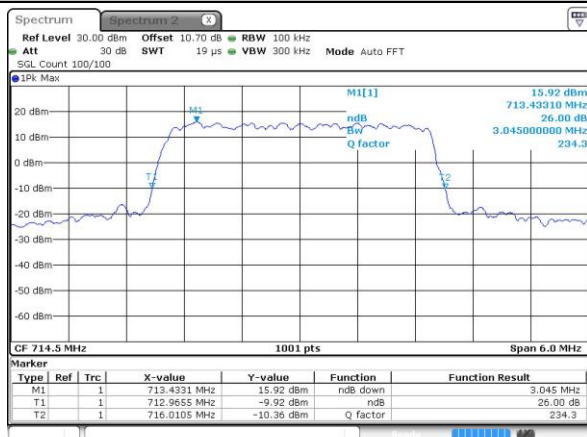
## Middle Channel / 3MHz / QPSK



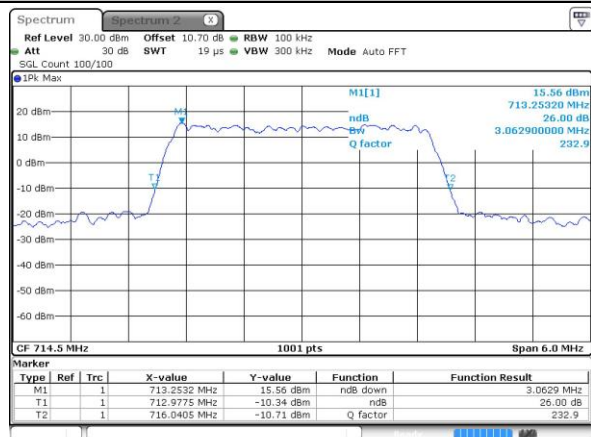
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



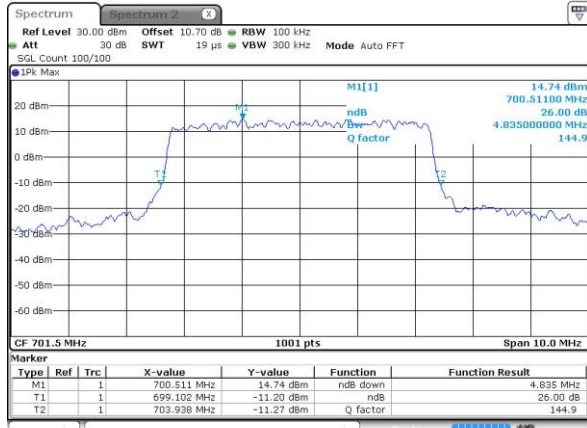
## Highest Channel / 3MHz / 16QAM



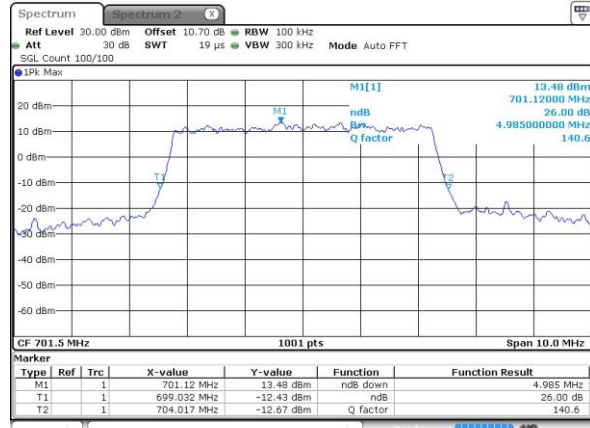


## LTE Band 12

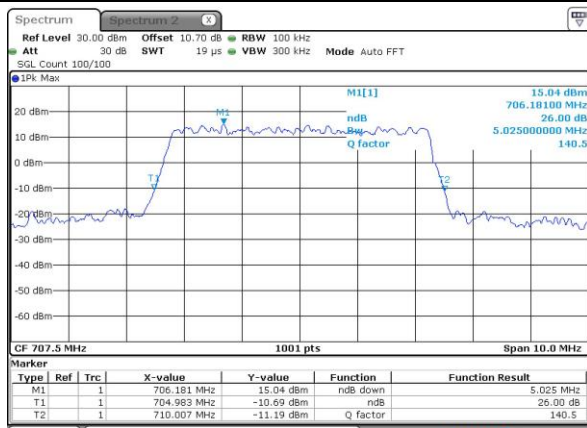
## Lowest Channel / 5MHz / QPSK



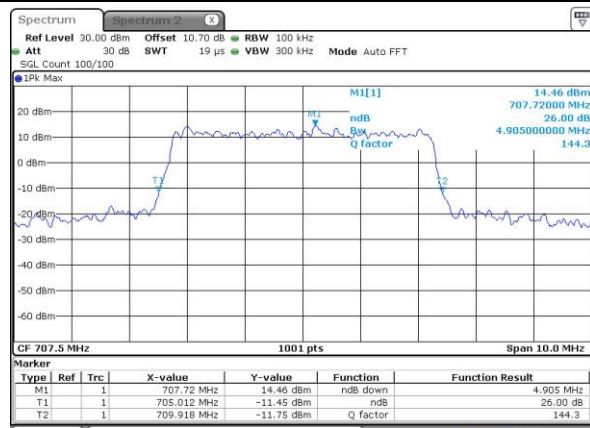
## Lowest Channel / 5MHz / 16QAM



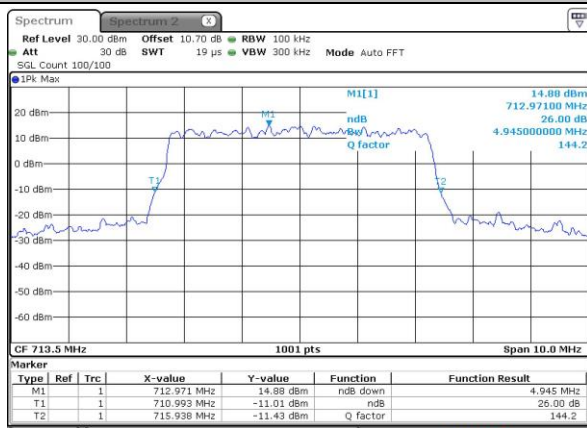
## Middle Channel / 5MHz / QPSK



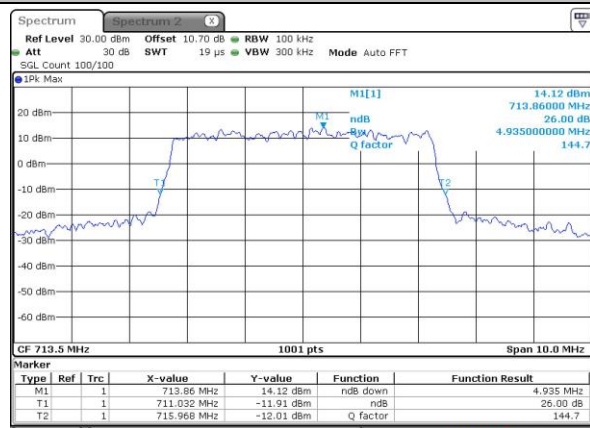
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



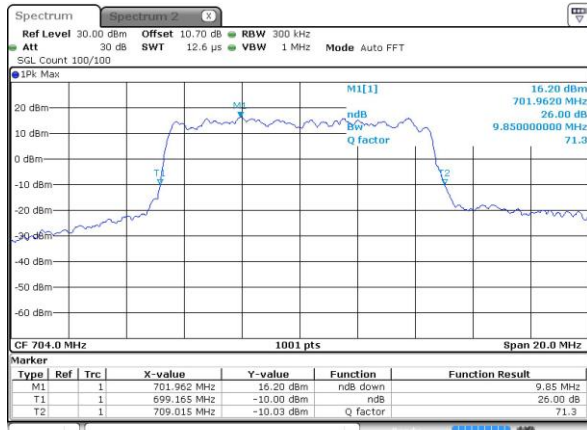
## Highest Channel / 5MHz / 16QAM





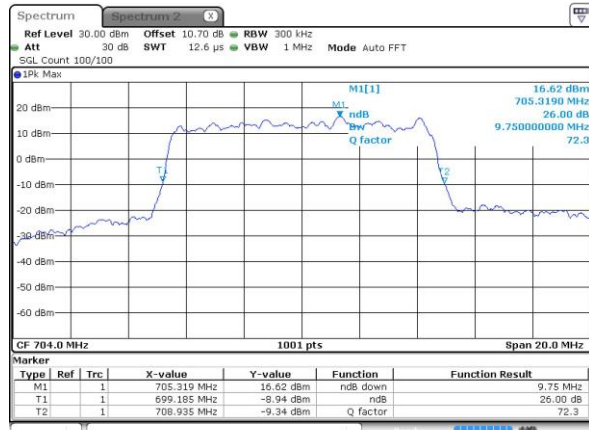
## LTE Band 12

## Lowest Channel / 10MHz / QPSK



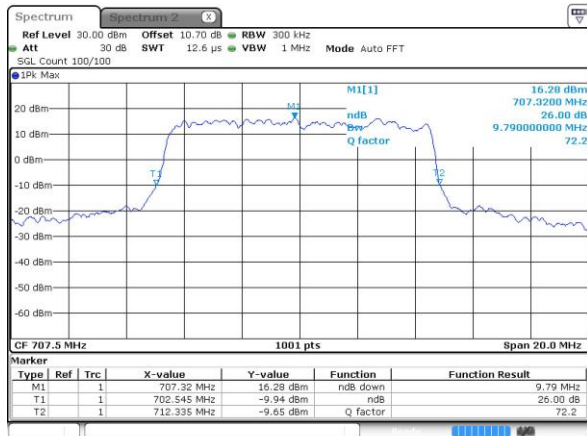
Date: 18 MAY 2017 21:44:12

## Lowest Channel / 10MHz / 16QAM



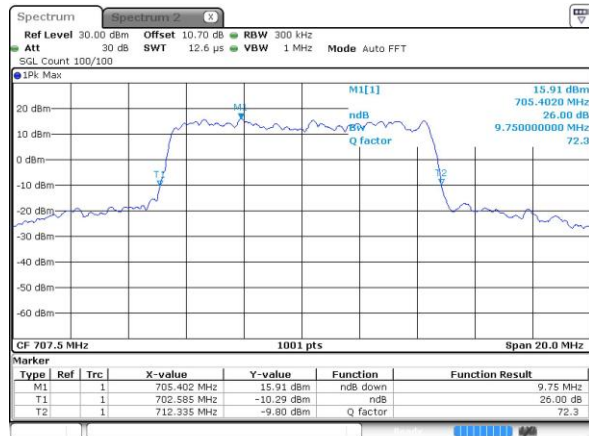
Date: 18 MAY 2017 21:44:02

## Middle Channel / 10MHz / QPSK



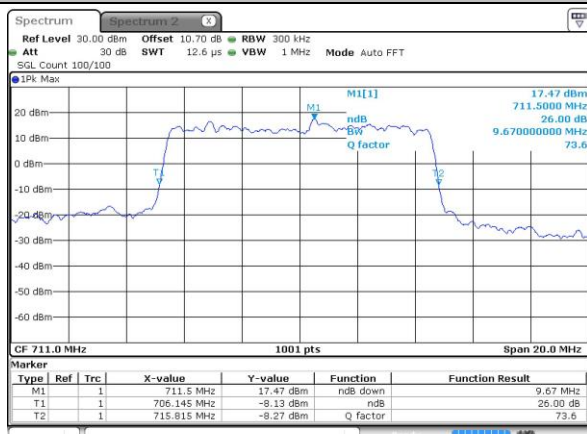
Date: 18 MAY 2017 21:51:08

## Middle Channel / 10MHz / 16QAM



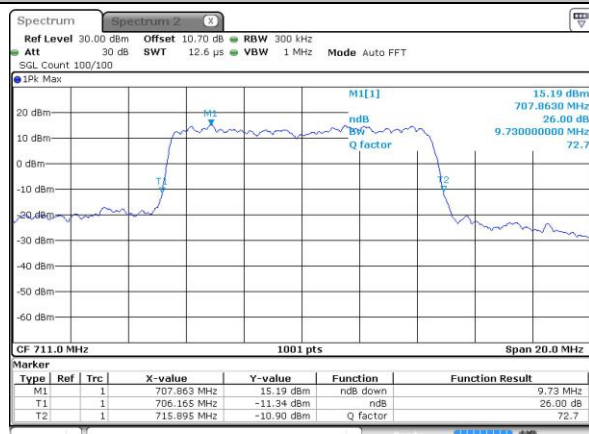
Date: 18 MAY 2017 21:51:19

## Highest Channel / 10MHz / QPSK



Date: 18 MAY 2017 21:53:49

## Highest Channel / 10MHz / 16QAM



Date: 18 MAY 2017 21:53:38



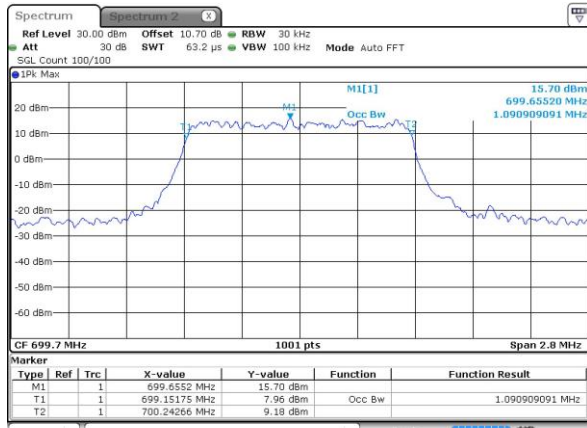
## Occupied Bandwidth

| 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                      | 1.1   | 2.72 | 2.72  | 4.51 | 4.49  | 9.01  | 8.97  | -     | -     | -     | -     |
| Middle CH  | 1.1                       | 1.1   | 2.72 | 2.72  | 4.5  | 4.5   | 8.99  | 8.99  | -     | -     | -     | -     |
| Highest CH | 1.09                      | 1.1   | 2.71 | 2.73  | 4.5  | 4.48  | 8.99  | 9.03  | -     | -     | -     | -     |

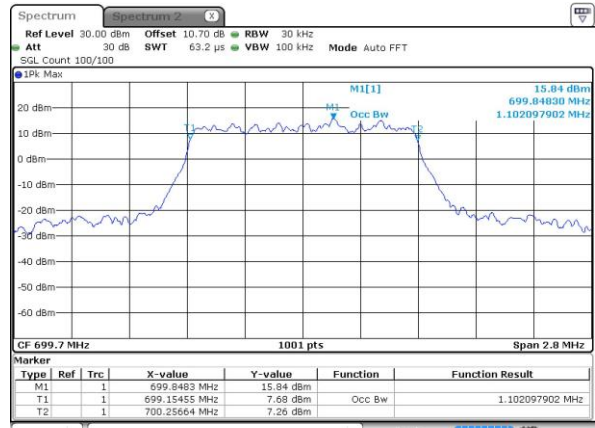


## LTE Band 12

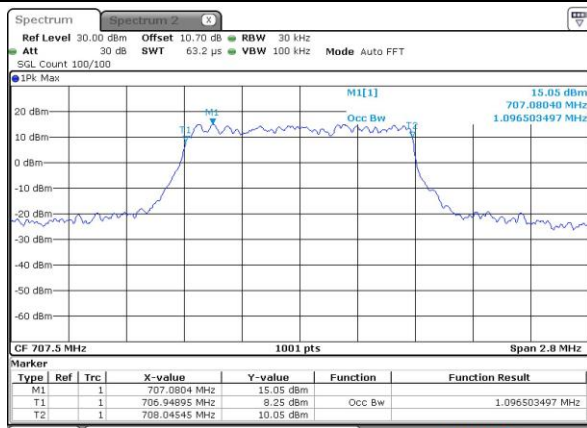
## Lowest Channel / 1.4MHz / QPSK



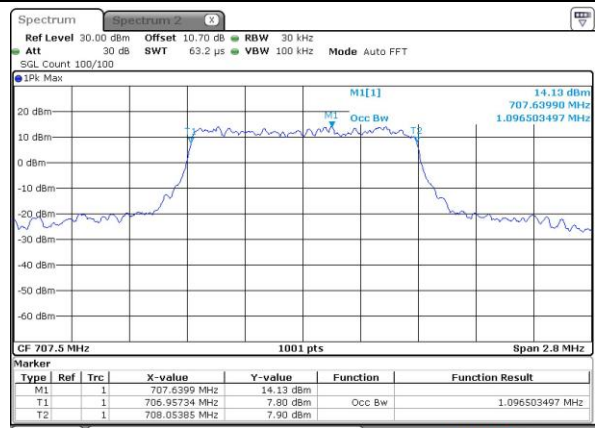
## Lowest Channel / 1.4MHz / 16QAM



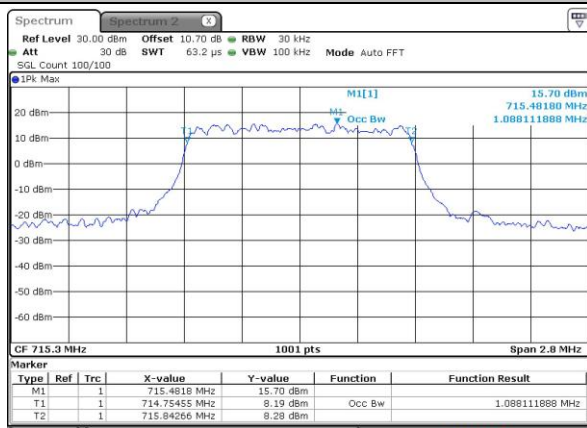
## Middle Channel / 1.4MHz / QPSK



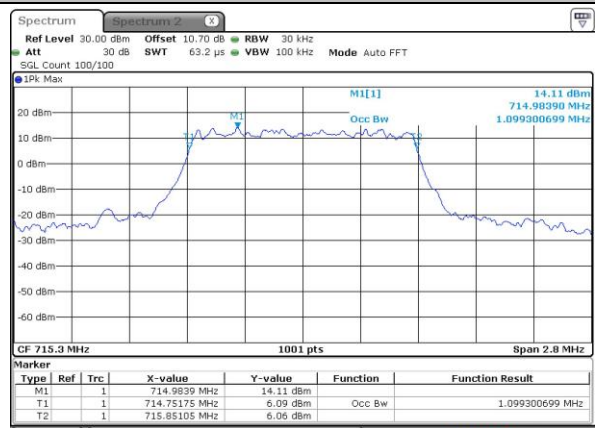
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



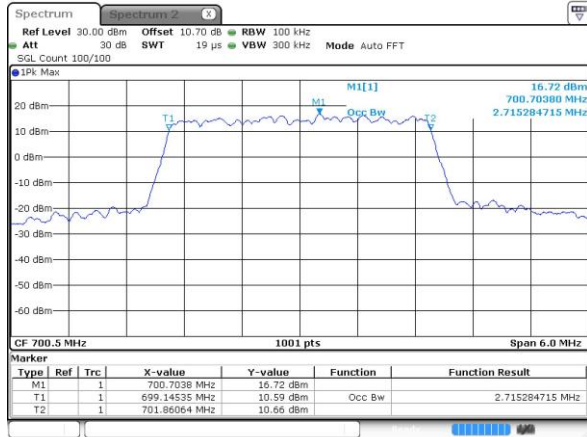
## Highest Channel / 1.4MHz / 16QAM





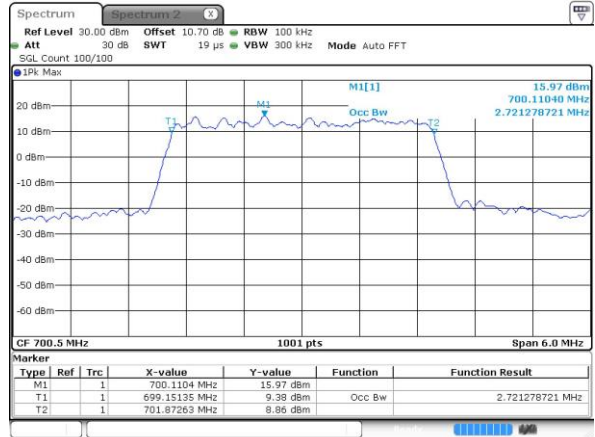
## LTE Band 12

## Lowest Channel / 3MHz / QPSK



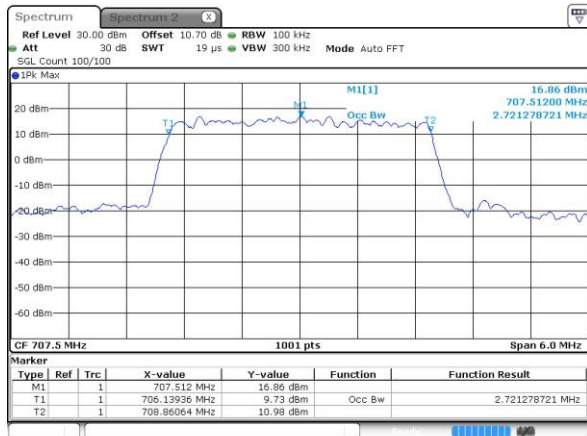
Date: 18 MAY 2017 21:10:15

## Lowest Channel / 3MHz / 16QAM



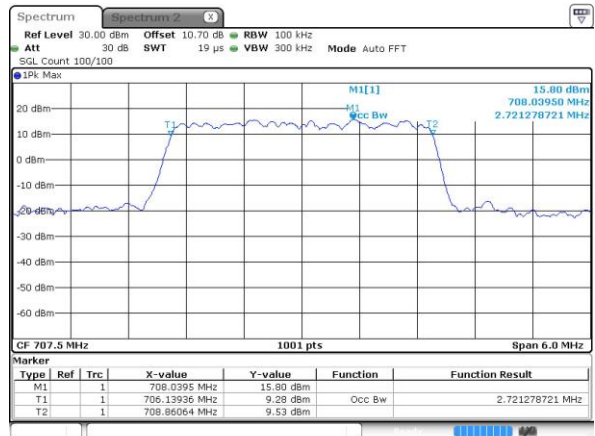
Date: 18 MAY 2017 21:10:28

## Middle Channel / 3MHz / QPSK



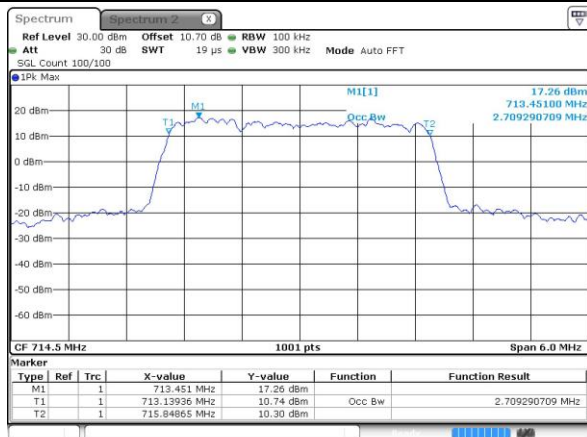
Date: 18 MAY 2017 21:17:32

## Middle Channel / 3MHz / 16QAM



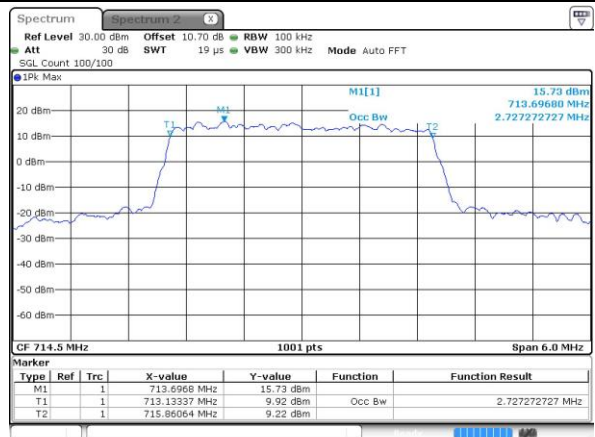
Date: 18 MAY 2017 21:17:22

## Highest Channel / 3MHz / QPSK



Date: 18 MAY 2017 21:19:52

## Highest Channel / 3MHz / 16QAM

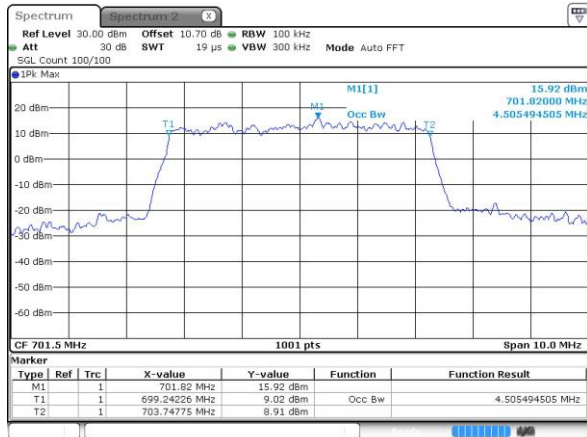


Date: 18 MAY 2017 21:20:02

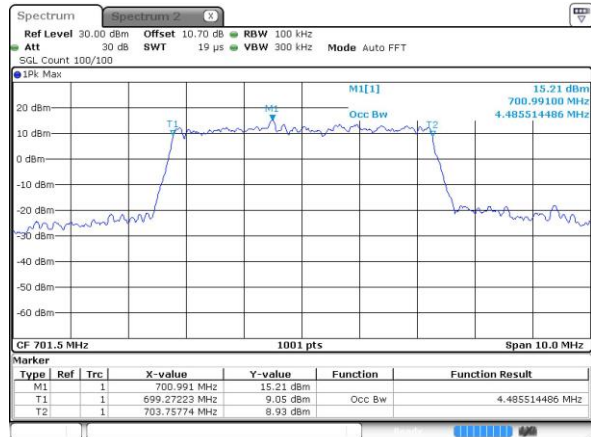


## LTE Band 12

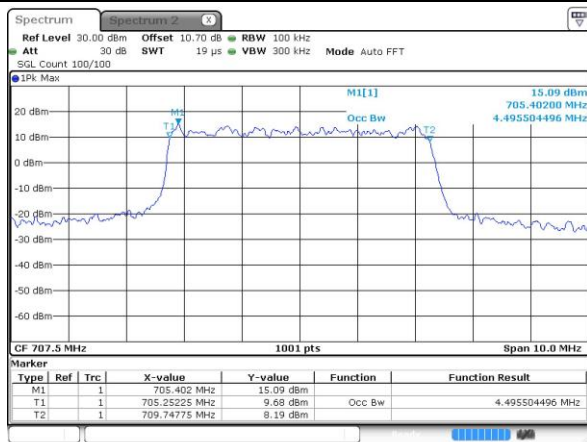
## Lowest Channel / 5MHz / QPSK



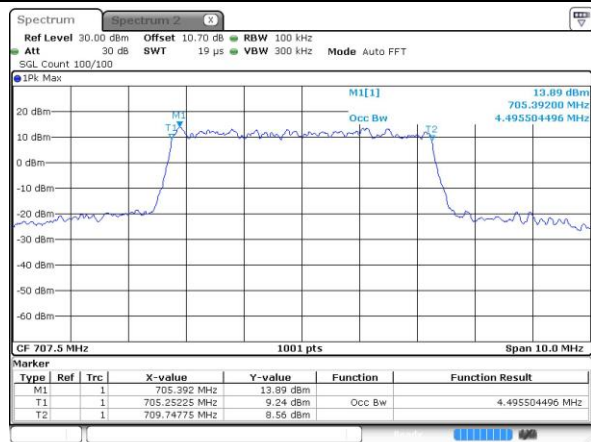
## Lowest Channel / 5MHz / 16QAM



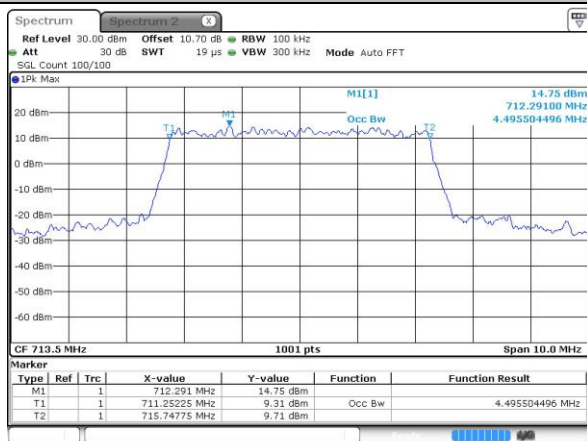
## Middle Channel / 5MHz / QPSK



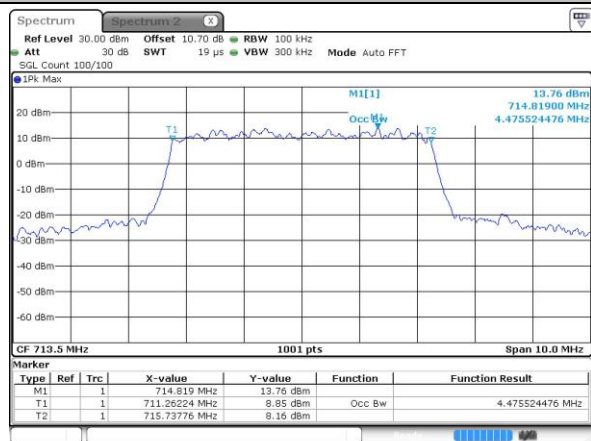
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



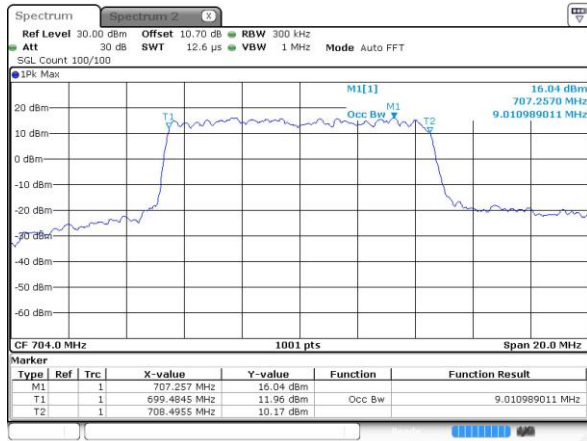
## Highest Channel / 5MHz / 16QAM





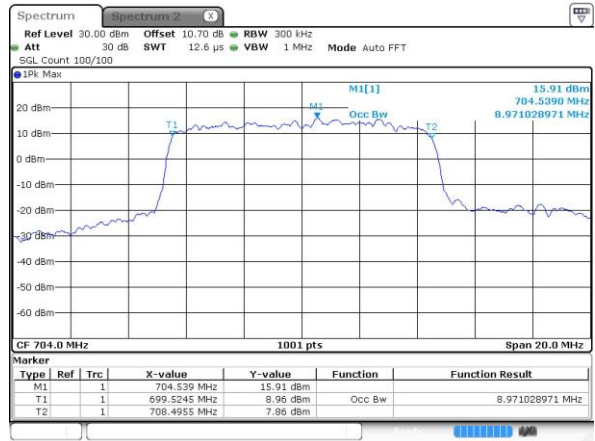
## LTE Band 12

## Lowest Channel / 10MHz / QPSK



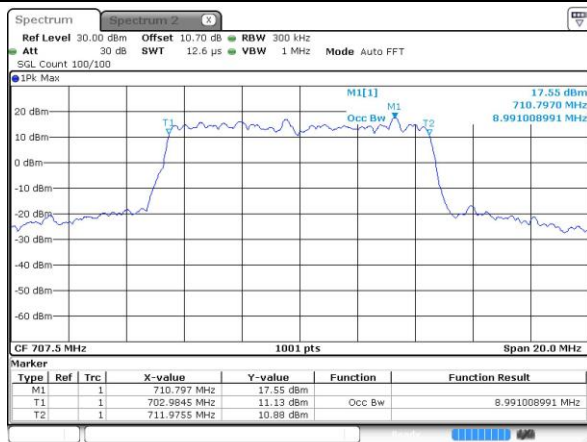
Date: 18 MAY 2017 21:43:41

## Lowest Channel / 10MHz / 16QAM



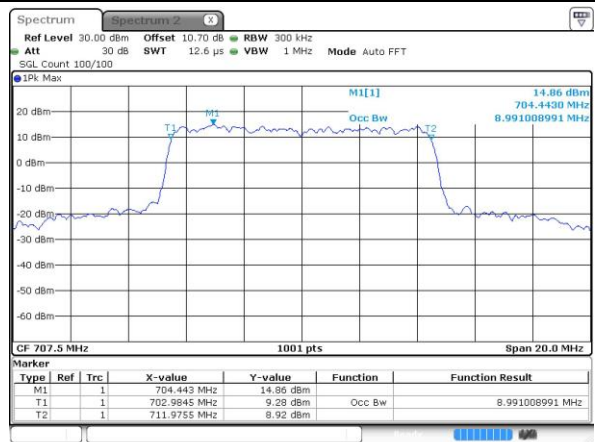
Date: 18 MAY 2017 21:43:52

## Middle Channel / 10MHz / QPSK



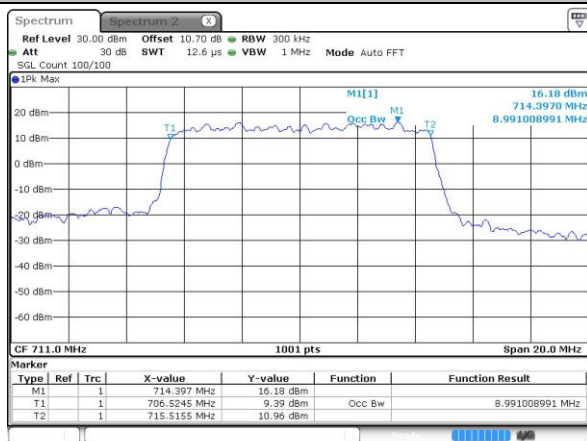
Date: 18 MAY 2017 21:50:58

## Middle Channel / 10MHz / 16QAM



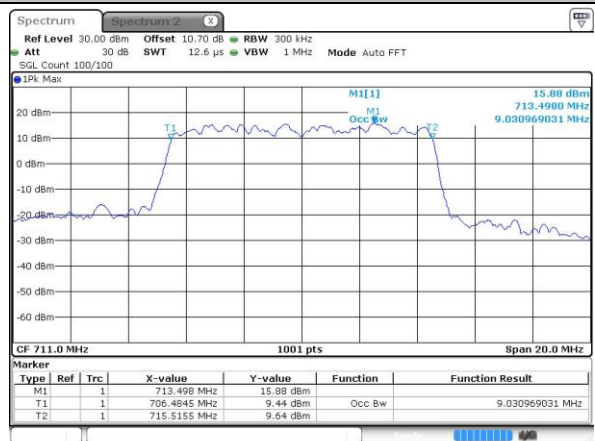
Date: 18 MAY 2017 21:50:48

## Highest Channel / 10MHz / QPSK



Date: 18 MAY 2017 21:53:18

## Highest Channel / 10MHz / 16QAM



Date: 18 MAY 2017 21:53:28



## 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



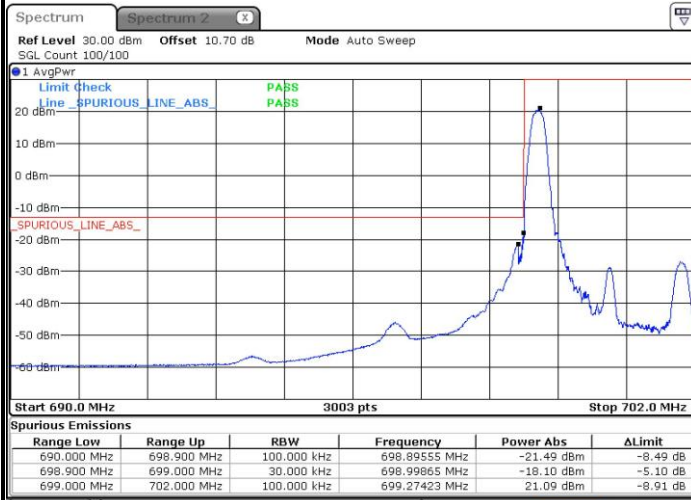
## Highest Band Edge / Full RB



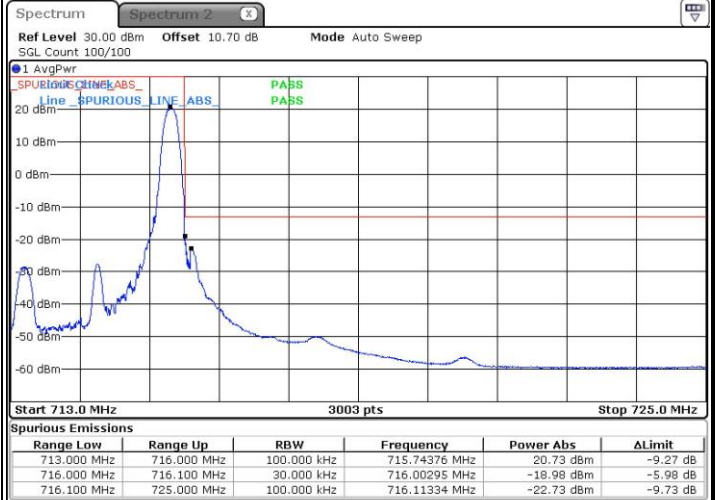


## LTE Band 12 / 3MHz / QPSK

## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



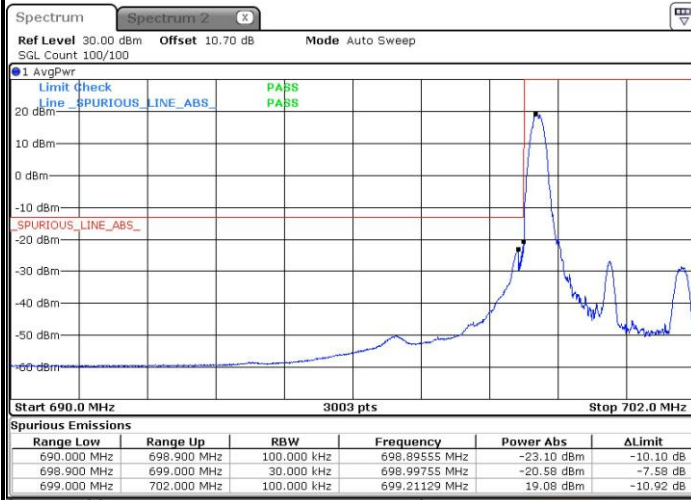
## Highest Band Edge / Full RB





## LTE Band 12 / 3MHz / 16QAM

## Lowest Band Edge / 1 RB



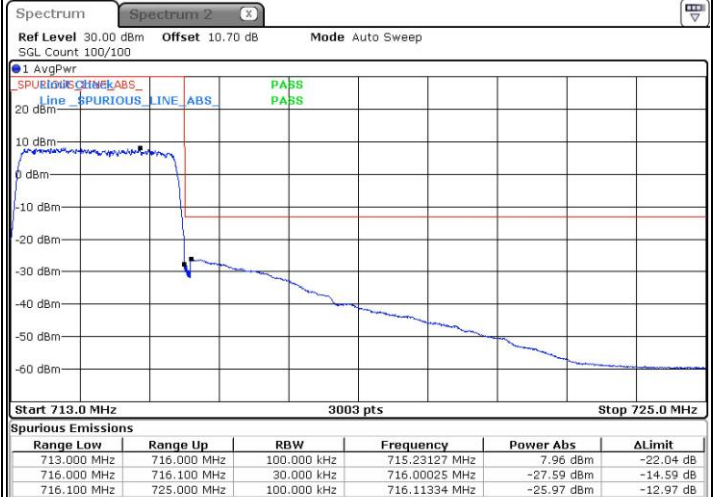
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



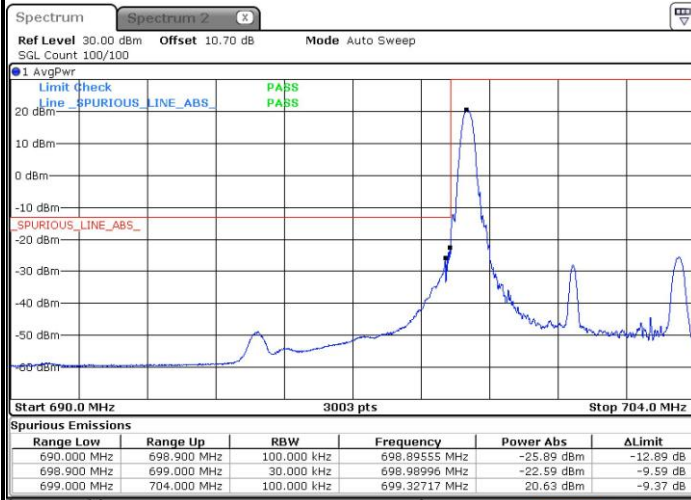
## Highest Band Edge / Full RB



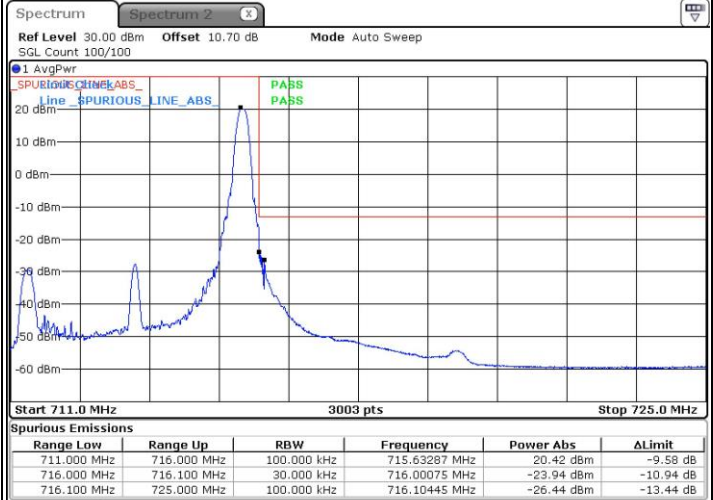


## LTE Band 12 / 5MHz / QPSK

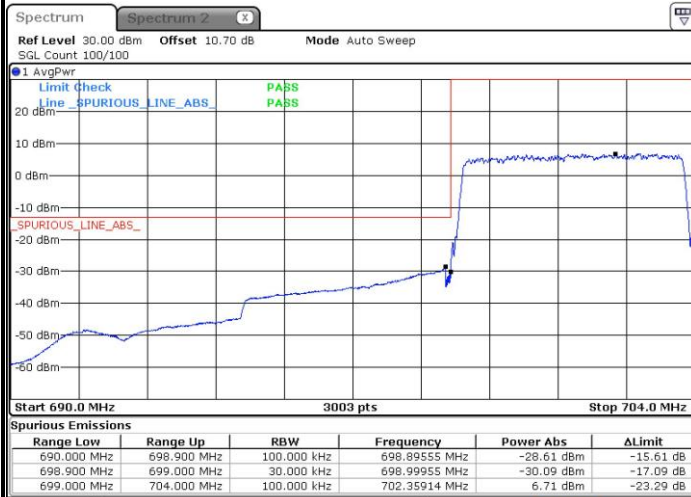
## Lowest Band Edge / 1 RB



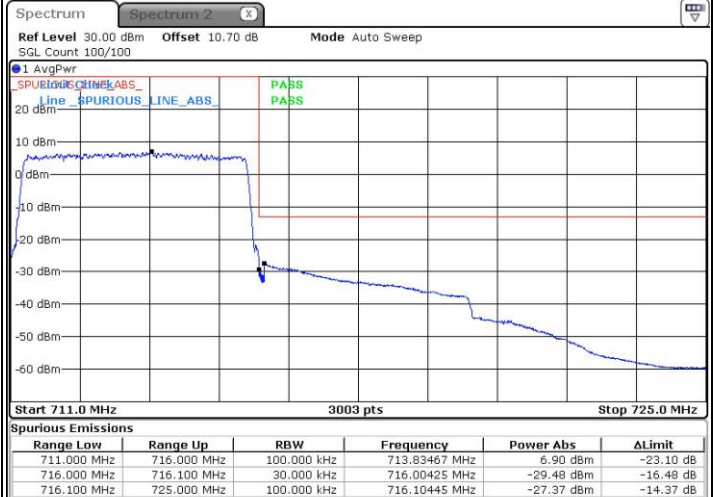
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



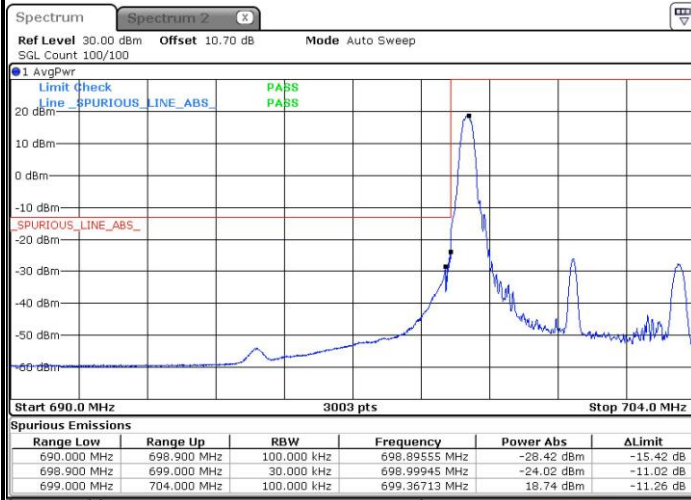
## Highest Band Edge / Full RB



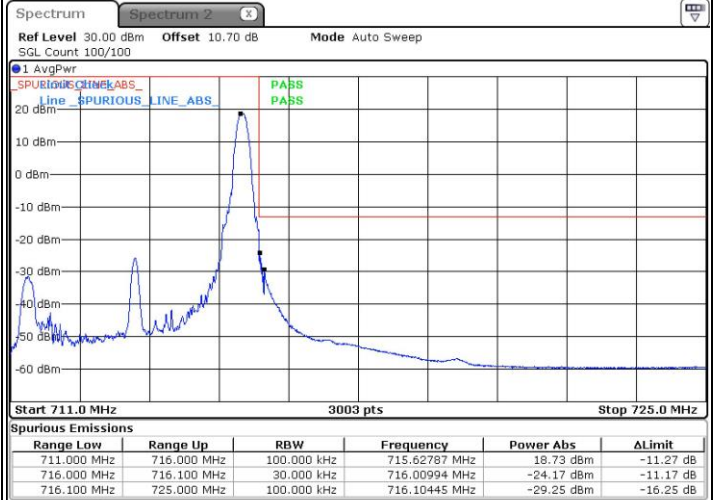


## LTE Band 12 / 5MHz / 16QAM

## Lowest Band Edge / 1RB



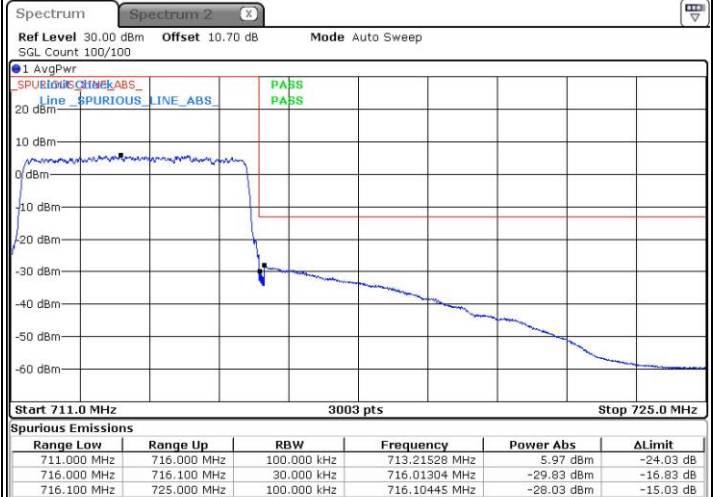
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



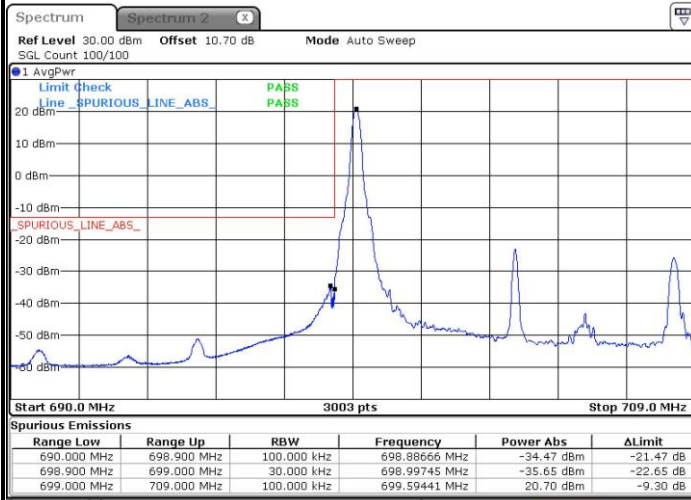
## Highest Band Edge / Full RB



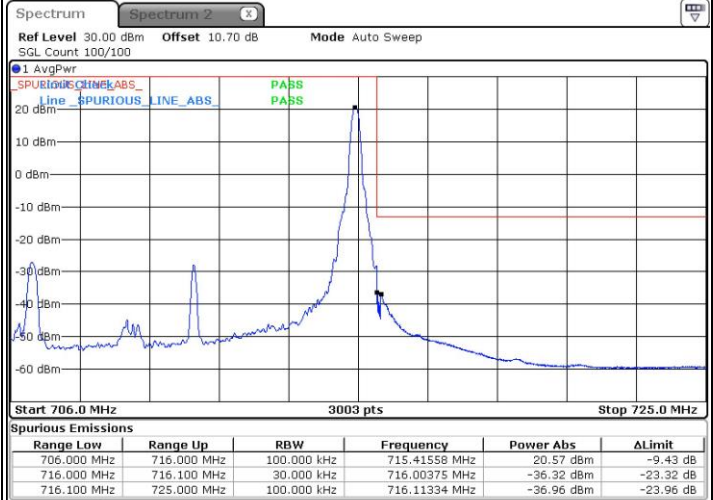


## LTE Band 12 / 10MHz / QPSK

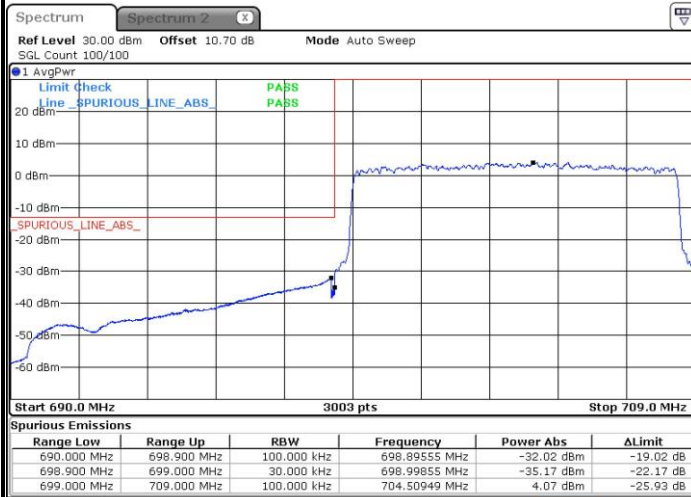
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

