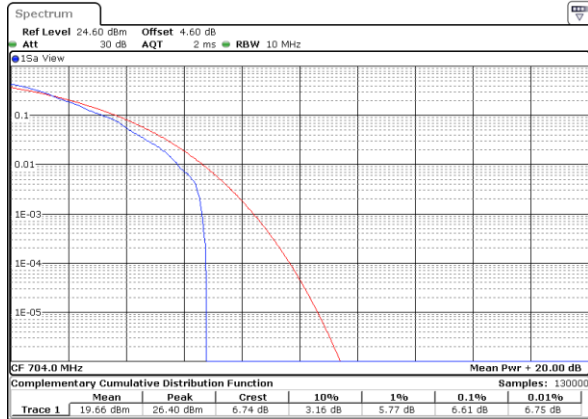
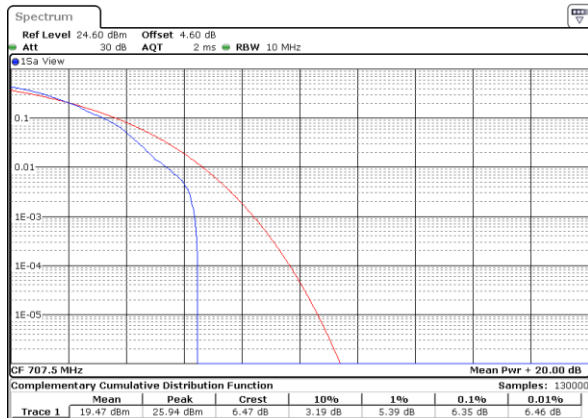


**LTE Band 12 / 10MHz / 64QAM**
**Lowest Channel / 1RB**


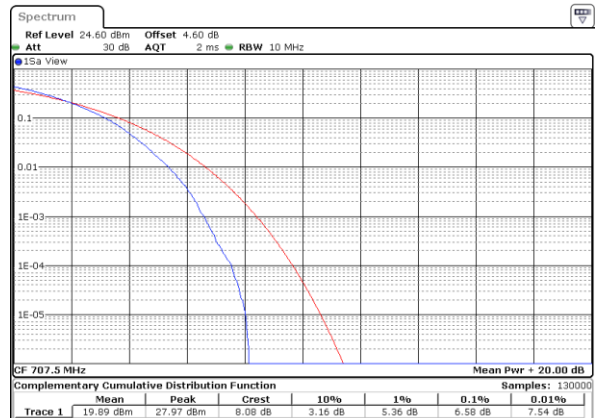
Date: 11 JAN 2020 18:55:49

**Lowest Channel / Full RB**


Date: 11 JAN 2020 18:55:58

**Middle Channel / 1RB**


Date: 11 JAN 2020 18:56:15

**Middle Channel / Full RB**


Date: 11 JAN 2020 18:56:07

**Highest Channel / 1RB**


Date: 11 JAN 2020 18:56:24

**Highest Channel / Full RB**


Date: 11 JAN 2020 18:56:33



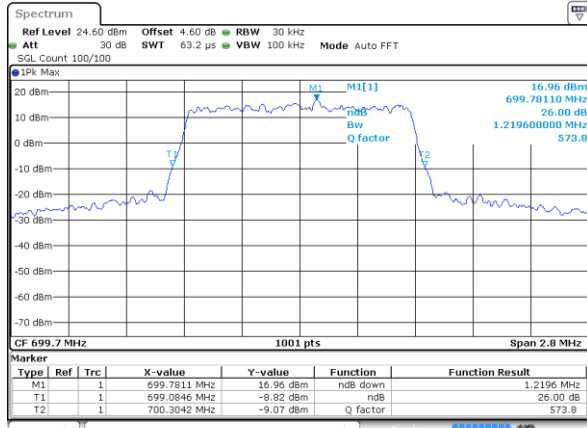
26dB Bandwidth

| Mode       | LTE Band 12 : 26dB BW(MHz) |        |       |       |       |       |       |       |        |       |       |       |
|------------|----------------------------|--------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| BW         | 1.4MHz                     |        | 3MHz  |       | 5MHz  |       | 10MHz |       | 1.4MHz | 3MHz  | 5MHz  | 10MHz |
| Mod.       | QPSK                       | 16QAM  | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | 64QAM  | 64QAM | 64QAM | 64QAM |
| Lowest CH  | 1.2196                     | 1.2308 | 3.009 | 3.009 | 4.885 | 4.915 | 9.67  | 9.81  | 1.2308 | 3.045 | 4.925 | 9.81  |
| Middle CH  | 1.2168                     | 1.2252 | 3.033 | 2.997 | 4.995 | 4.875 | 9.81  | 9.77  | 1.2336 | 2.985 | 4.935 | 9.67  |
| Highest CH | 1.2224                     | 1.2336 | 3.033 | 2.967 | 4.885 | 4.825 | 9.65  | 9.69  | 1.2252 | 2.985 | 4.785 | 9.91  |



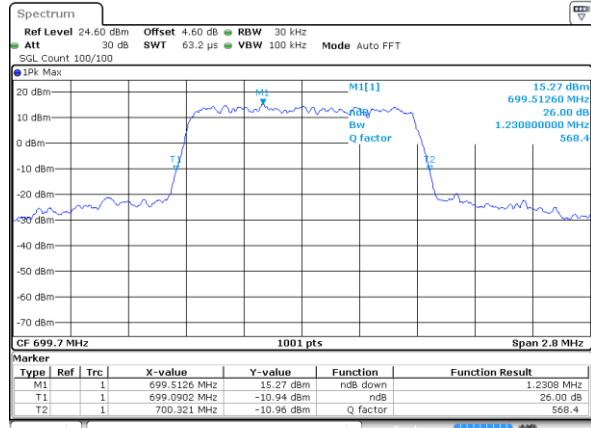
## LTE Band 12

## Lowest Channel / 1.4MHz / QPSK



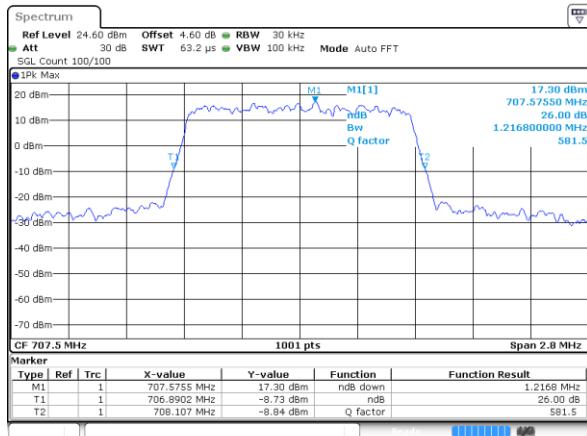
Date: 11 JAN 2020 17:05:45

## Lowest Channel / 1.4MHz / 16QAM



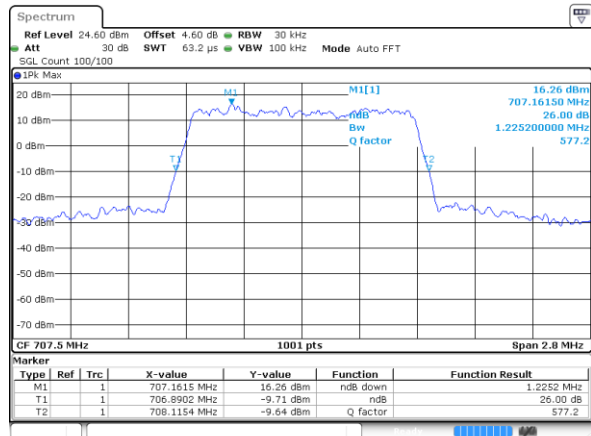
Date: 11 JAN 2020 17:05:35

## Middle Channel / 1.4MHz / QPSK



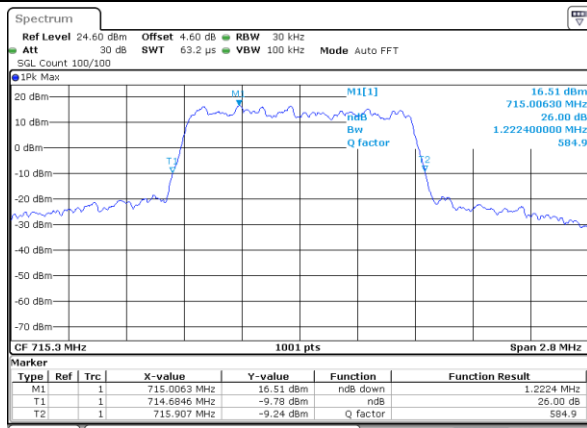
Date: 11 JAN 2020 17:05:15

## Middle Channel / 1.4MHz / 16QAM



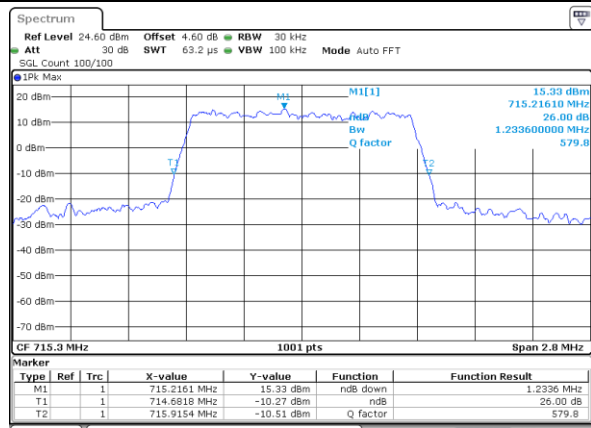
Date: 11 JAN 2020 17:05:25

## Highest Channel / 1.4MHz / QPSK



Date: 11 JAN 2020 17:05:05

## Highest Channel / 1.4MHz / 16QAM

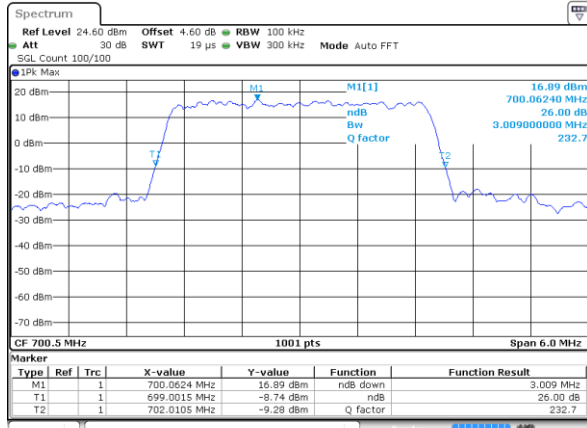


Date: 11 JAN 2020 17:04:55



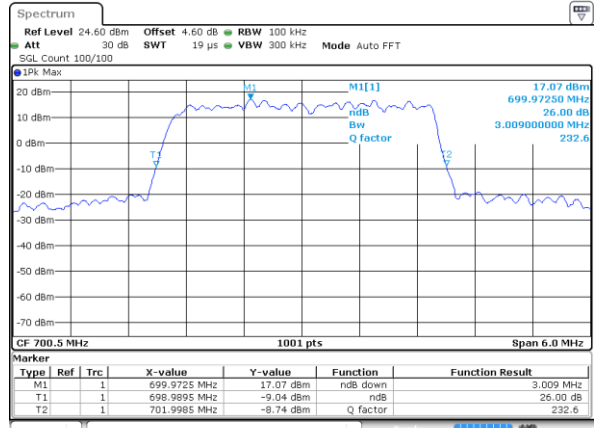
## LTE Band 12

## Lowest Channel / 3MHz / QPSK



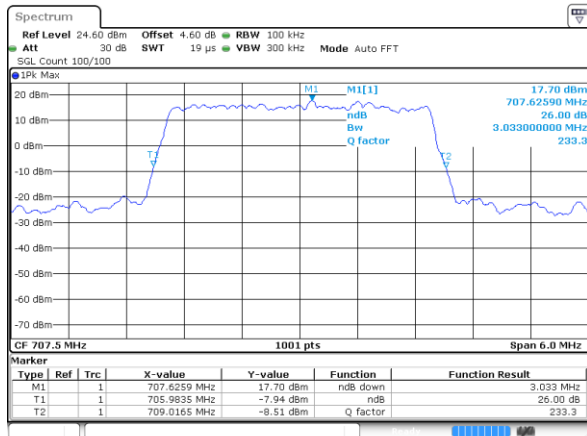
Date: 11 JAN 2020 17:21:17

## Lowest Channel / 3MHz / 16QAM



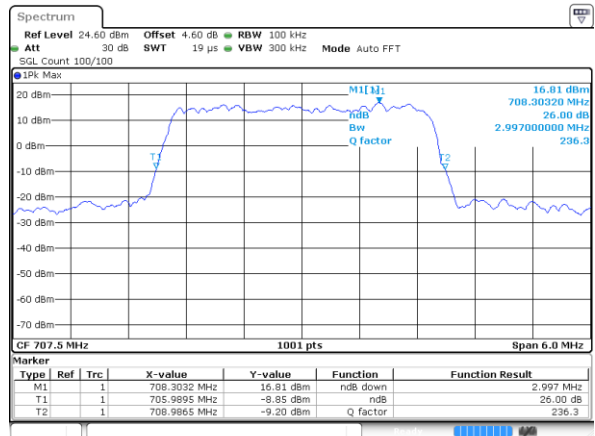
Date: 11 JAN 2020 17:21:07

## Middle Channel / 3MHz / QPSK



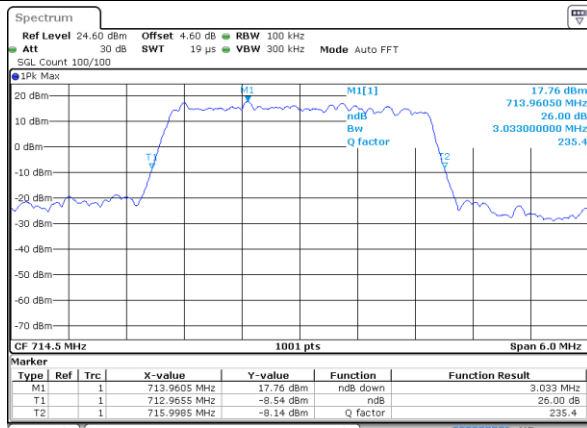
Date: 11 JAN 2020 17:20:47

## Middle Channel / 3MHz / 16QAM



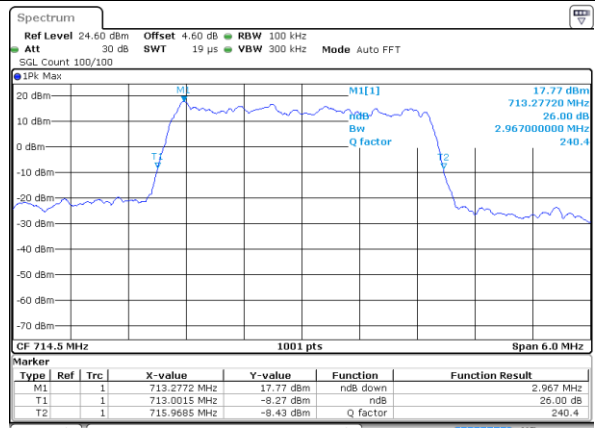
Date: 11 JAN 2020 17:20:57

## Highest Channel / 3MHz / QPSK



Date: 11 JAN 2020 17:20:37

## Highest Channel / 3MHz / 16QAM

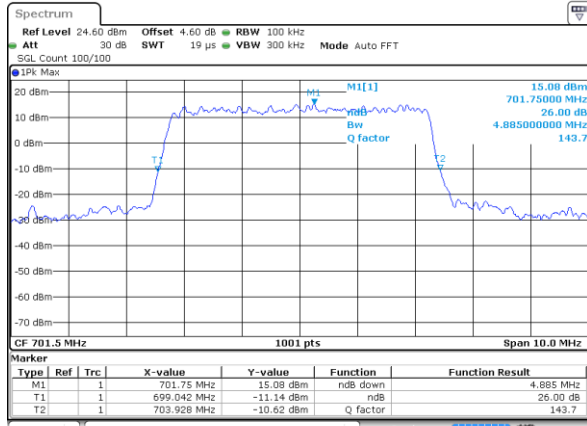


Date: 11 JAN 2020 17:20:27



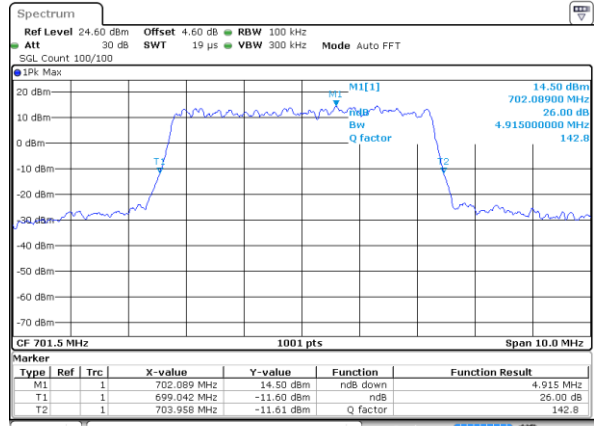
## LTE Band 12

## Lowest Channel / 5MHz / QPSK



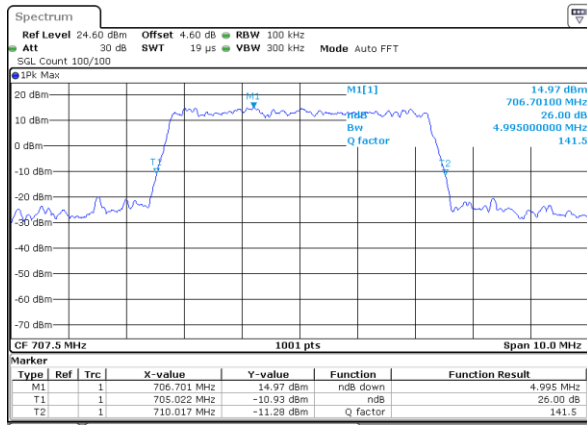
Date: 11 JAN 2020 17:37:44

## Lowest Channel / 5MHz / 16QAM



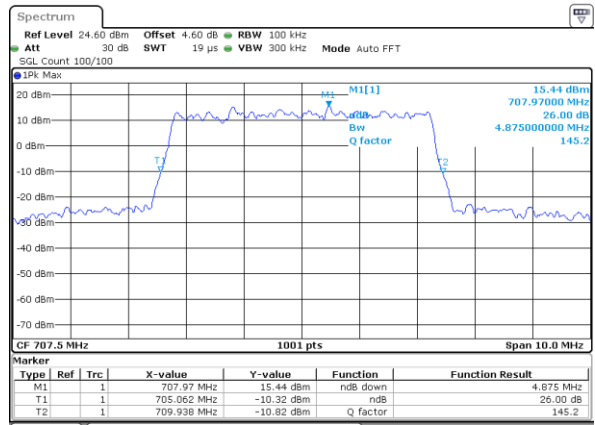
Date: 11 JAN 2020 17:37:34

## Middle Channel / 5MHz / QPSK



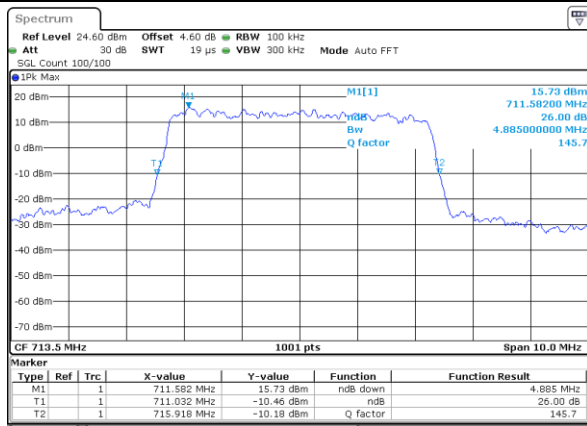
Date: 11 JAN 2020 17:37:14

## Middle Channel / 5MHz / 16QAM



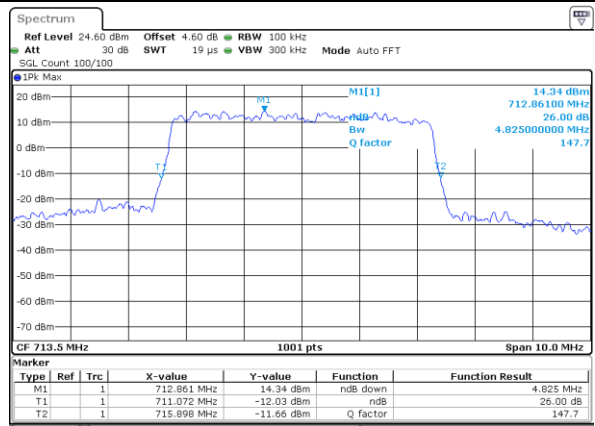
Date: 11 JAN 2020 17:37:24

## Highest Channel / 5MHz / QPSK



Date: 11 JAN 2020 17:37:04

## Highest Channel / 5MHz / 16QAM

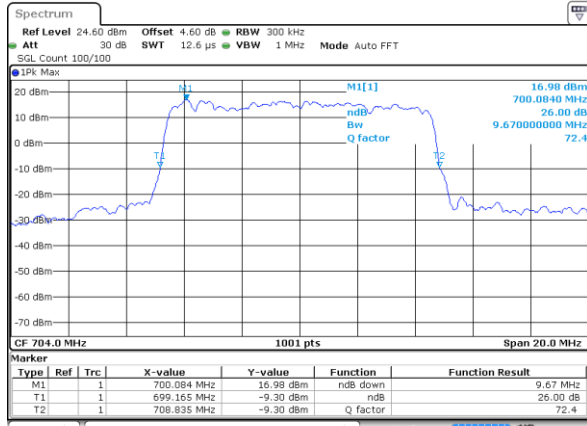


Date: 11 JAN 2020 17:36:54



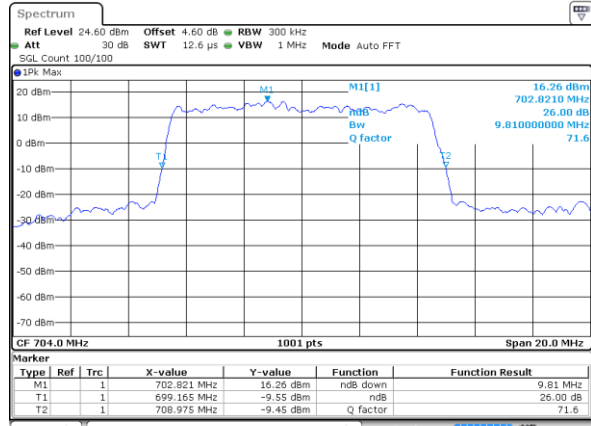
## LTE Band 12

## Lowest Channel / 10MHz / QPSK



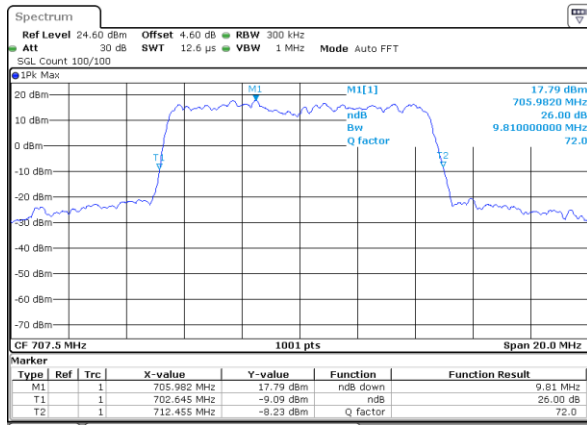
Date: 11 JAN 2020 17:54:10

## Lowest Channel / 10MHz / 16QAM



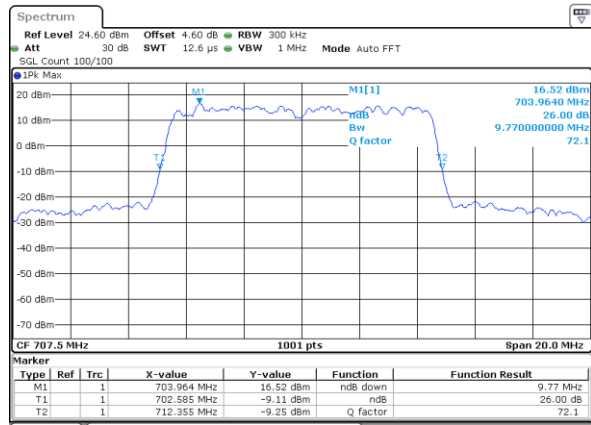
Date: 11 JAN 2020 17:54:00

## Middle Channel / 10MHz / QPSK



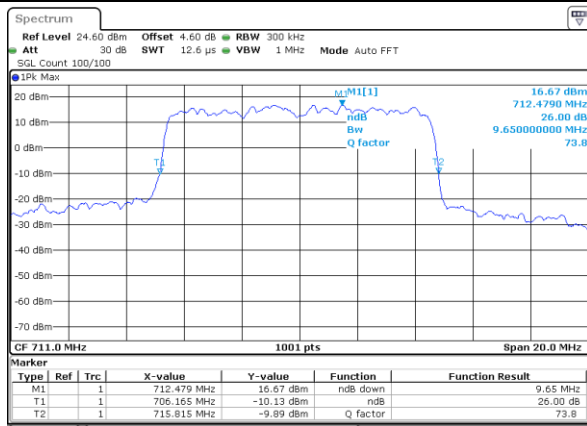
Date: 11 JAN 2020 17:53:40

## Middle Channel / 10MHz / 16QAM



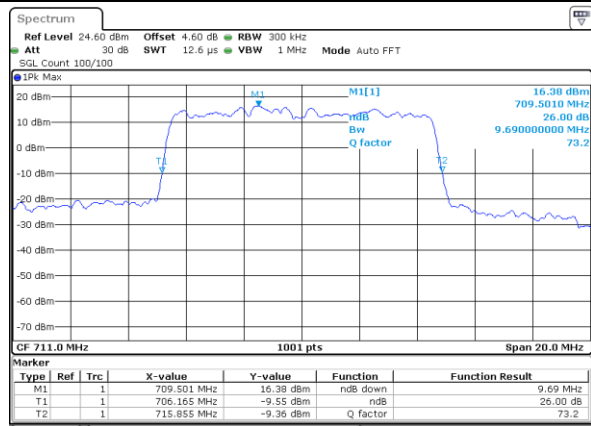
Date: 11 JAN 2020 17:53:50

## Highest Channel / 10MHz / QPSK



Date: 11 JAN 2020 17:53:30

## Highest Channel / 10MHz / 16QAM

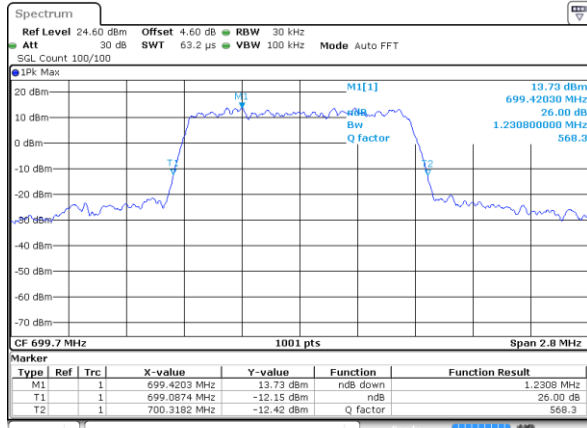


Date: 11 JAN 2020 17:53:20

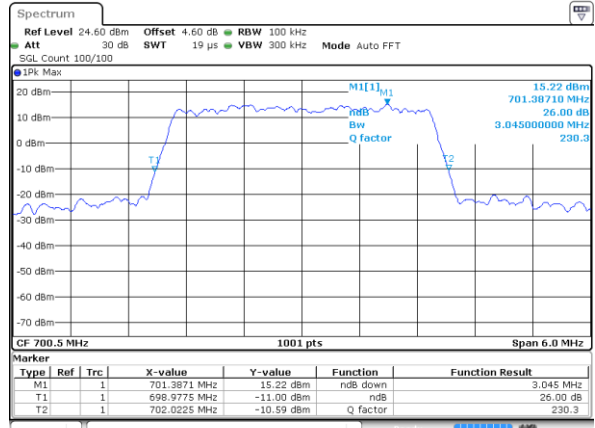


## LTE Band 12

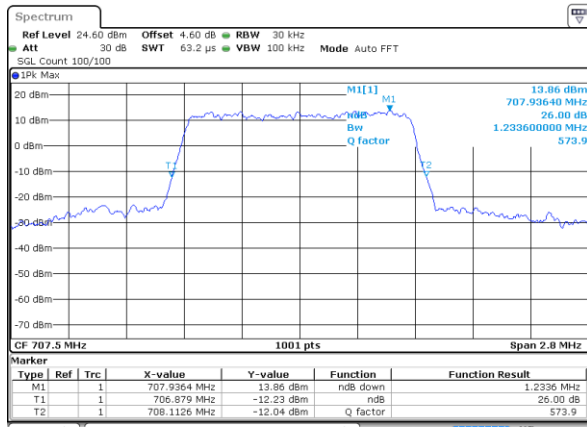
## Lowest Channel / 1.4MHz / 64QAM



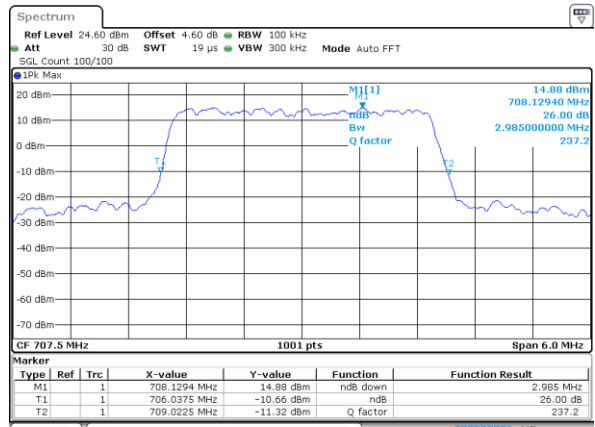
## Lowest Channel / 3MHz / 64QAM



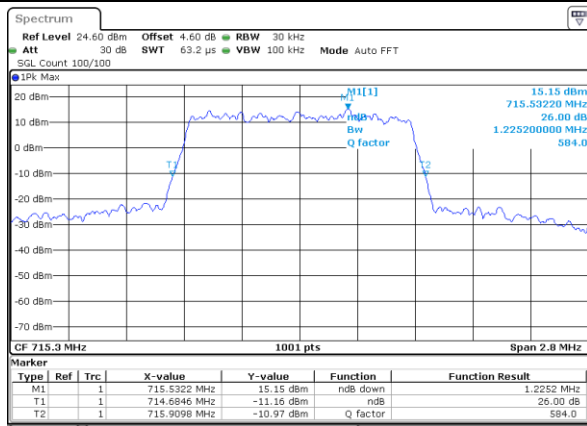
## Middle Channel / 1.4MHz / 64QAM



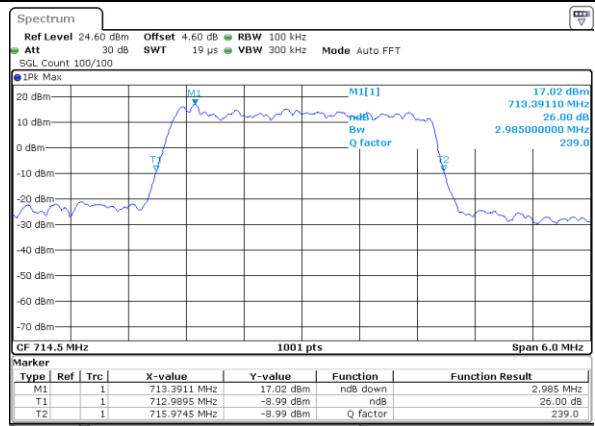
## Middle Channel / 3MHz / 64QAM



## Highest Channel / 1.4MHz / 64QAM



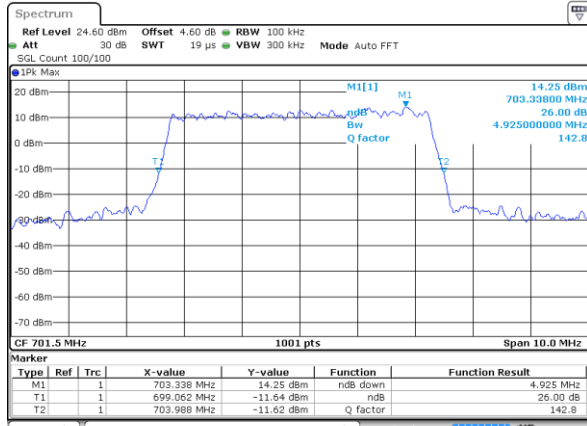
## Highest Channel / 3MHz / 64QAM



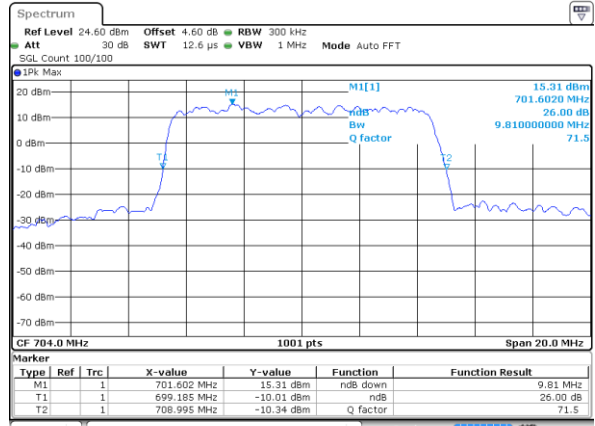


## LTE Band 12

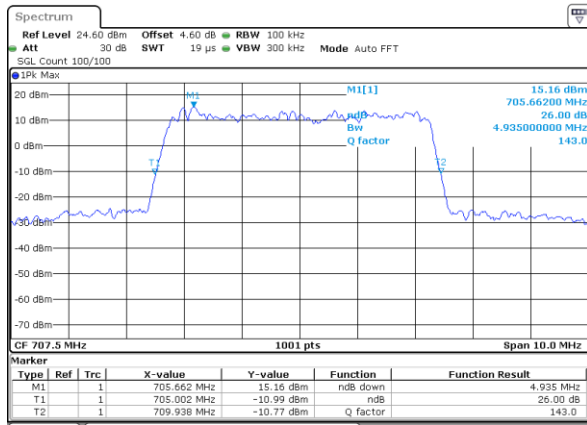
## Lowest Channel / 5MHz / 64QAM



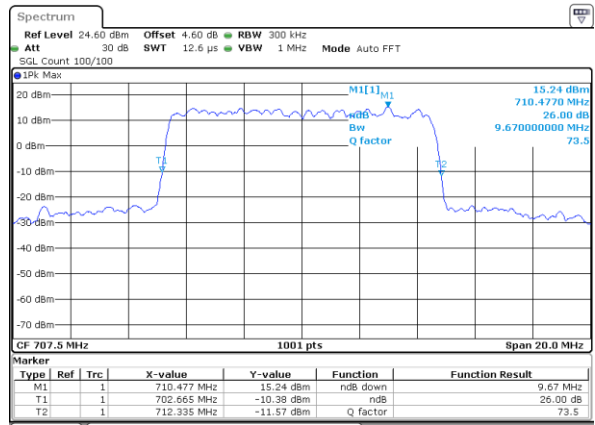
## Lowest Channel / 10MHz / 64QAM



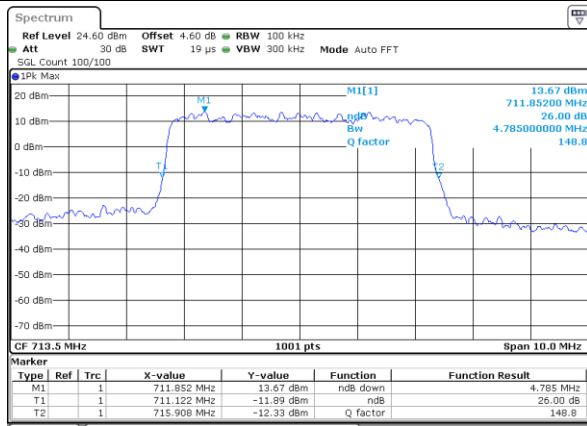
## Middle Channel / 5MHz / 64QAM



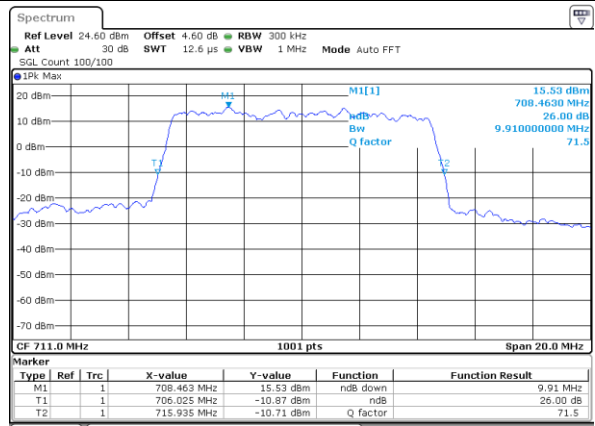
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



## Highest Channel / 10MHz / 64QAM



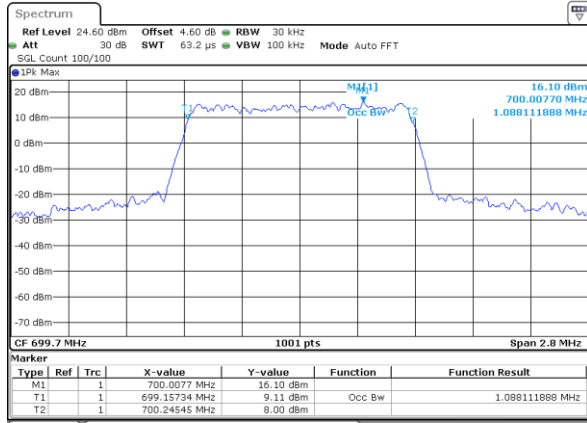
**Occupied Bandwidth**

| Mode       | LTE Band 12 : 99%OBW(MHz) |       |      |       |      |       |       |       |        |       |       |       |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|--------|-------|-------|-------|
| BW         | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 1.4MHz | 3MHz  | 5MHz  | 10MHz |
| Mod.       | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | 64QAM  | 64QAM | 64QAM | 64QAM |
| Lowest CH  | 1.09                      | 1.08  | 2.70 | 2.72  | 4.48 | 4.49  | 9.01  | 8.97  | 1.09   | 2.73  | 4.48  | 8.95  |
| Middle CH  | 1.10                      | 1.09  | 2.72 | 2.73  | 4.49 | 4.50  | 9.01  | 9.03  | 1.09   | 2.71  | 4.55  | 9.07  |
| Highest CH | 1.09                      | 1.09  | 2.72 | 2.72  | 4.49 | 4.49  | 8.99  | 8.97  | 1.09   | 2.73  | 4.46  | 9.01  |

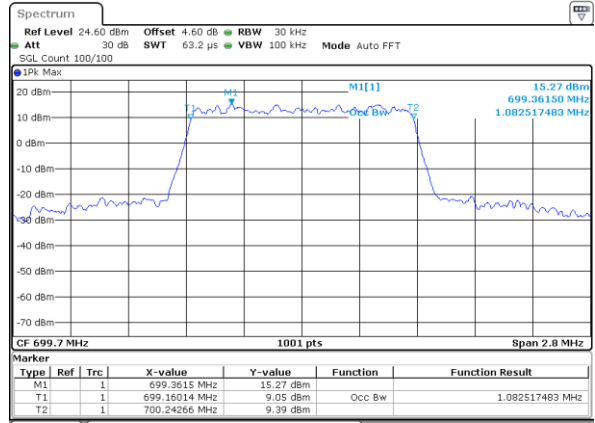


## LTE Band 12

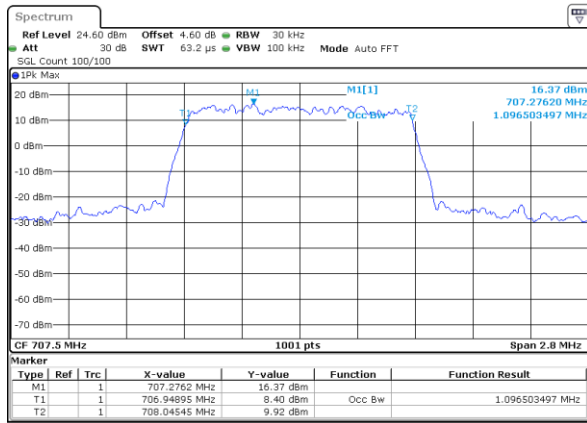
## Lowest Channel / 1.4MHz / QPSK



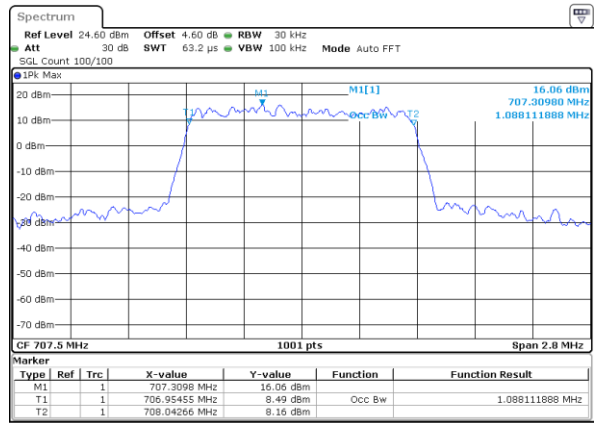
## Lowest Channel / 1.4MHz / 16QAM



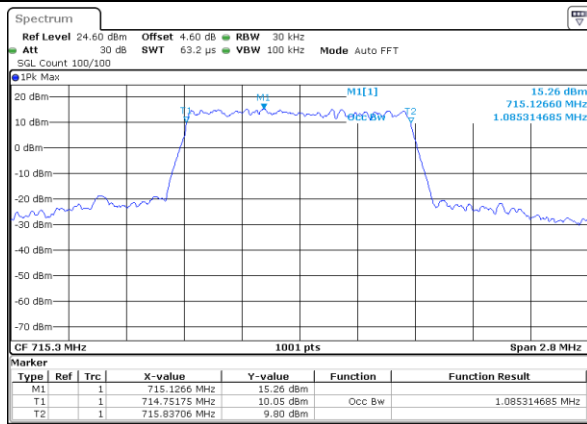
## Middle Channel / 1.4MHz / QPSK



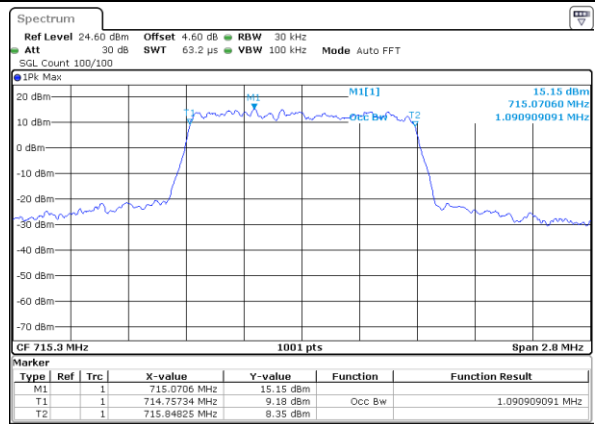
## Middle Channel / 1.4MHz / 16QAM



## Highest Channel / 1.4MHz / QPSK



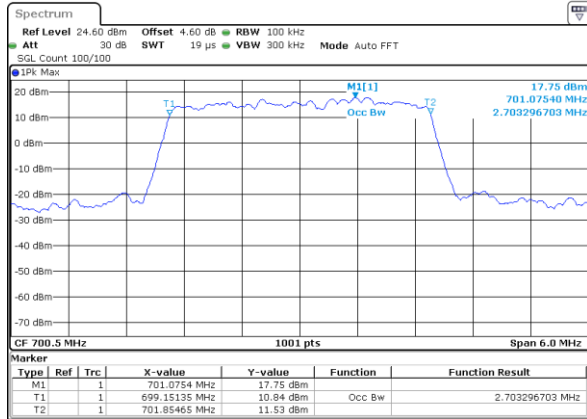
## Highest Channel / 1.4MHz / 16QAM



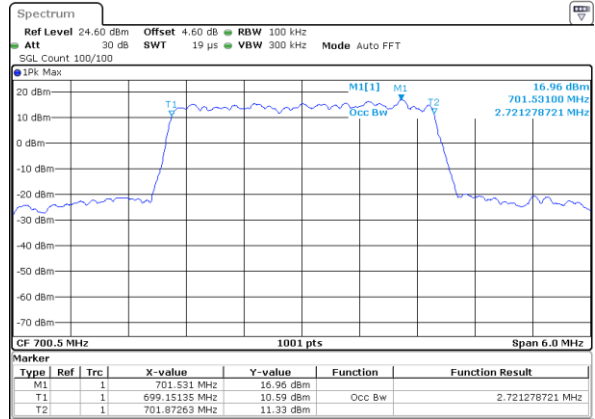


## LTE Band 12

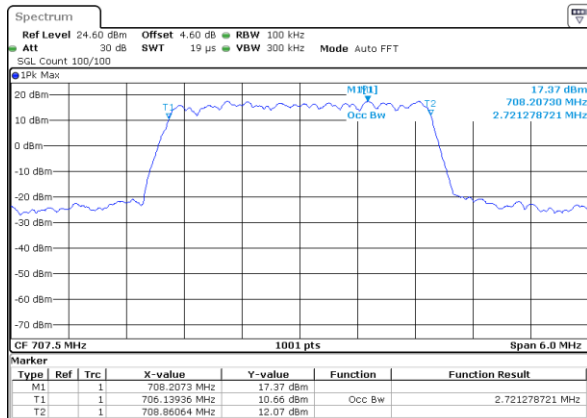
## Lowest Channel / 3MHz / QPSK



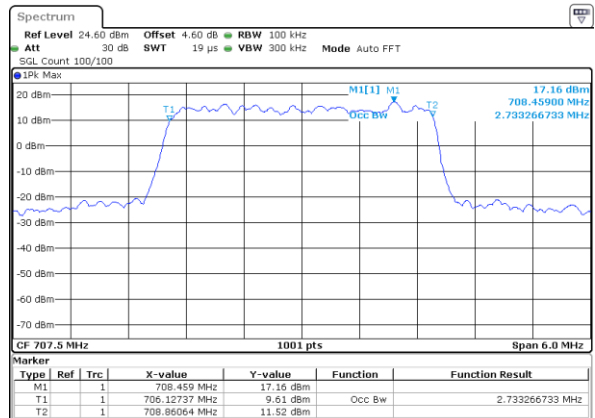
## Lowest Channel / 3MHz / 16QAM



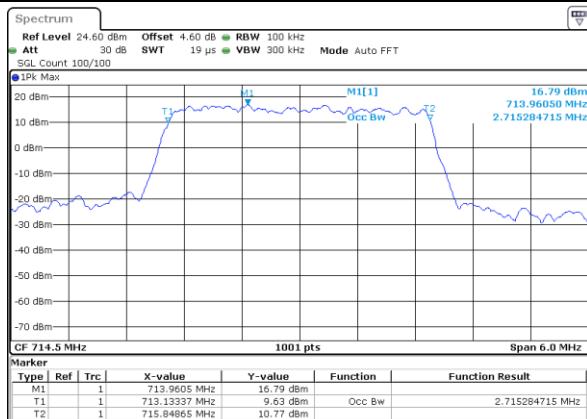
## Middle Channel / 3MHz / QPSK



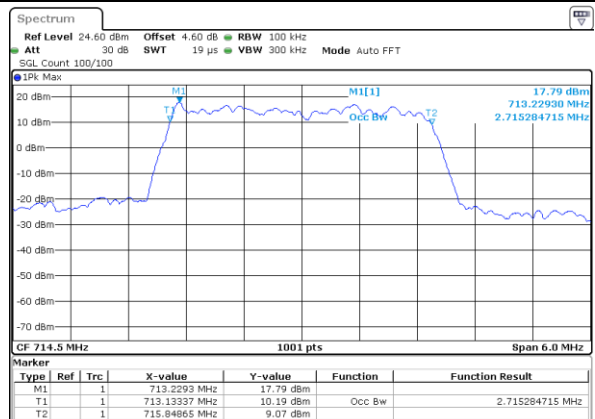
## Middle Channel / 3MHz / 16QAM



## Highest Channel / 3MHz / QPSK



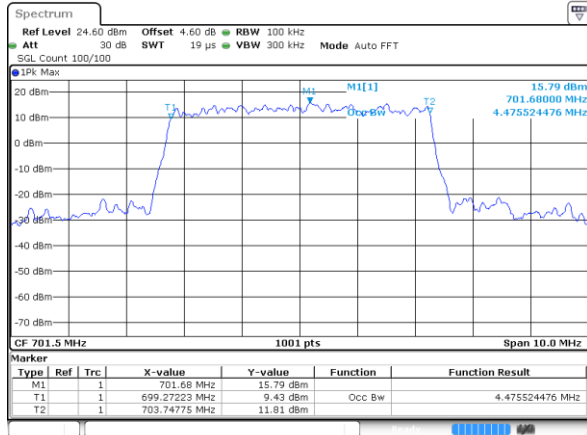
## Highest Channel / 3MHz / 16QAM



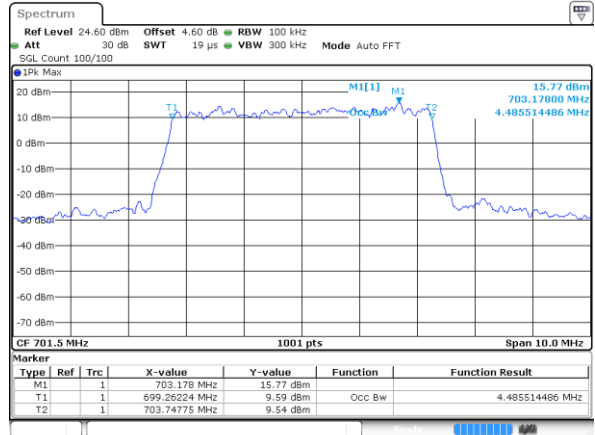


## LTE Band 12

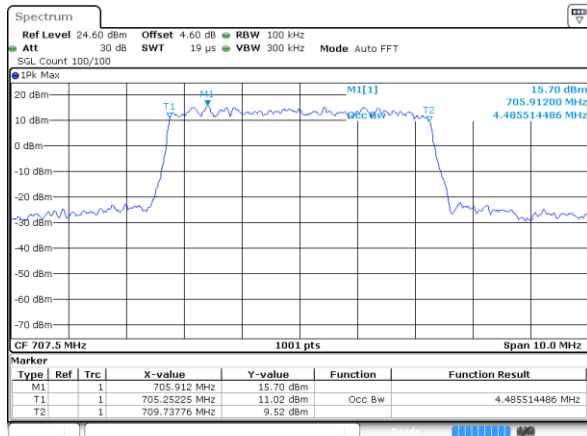
## Lowest Channel / 5MHz / QPSK



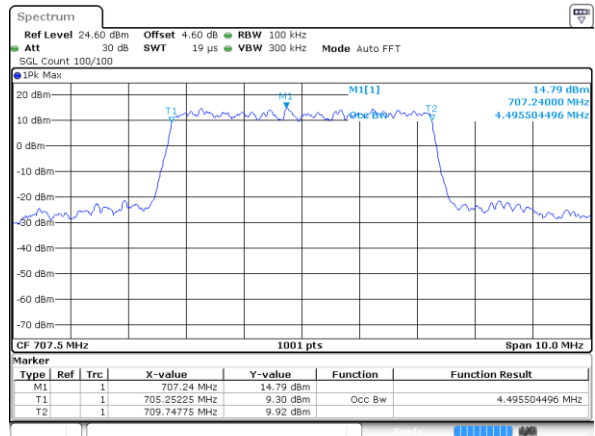
## Lowest Channel / 5MHz / 16QAM



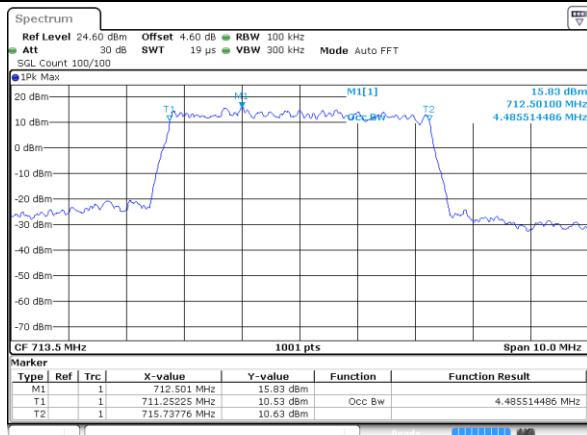
## Middle Channel / 5MHz / QPSK



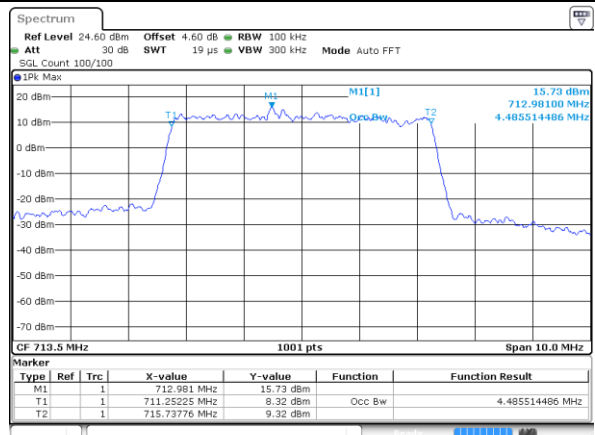
## Middle Channel / 5MHz / 16QAM



## Highest Channel / 5MHz / QPSK



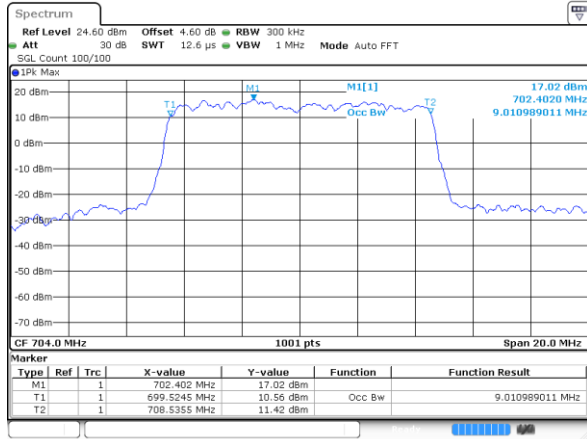
## Highest Channel / 5MHz / 16QAM



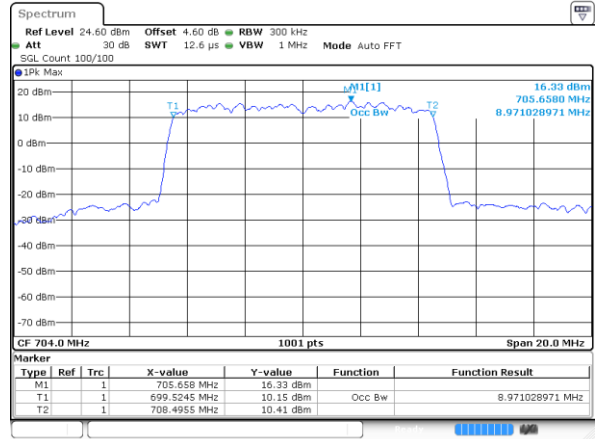


## LTE Band 12

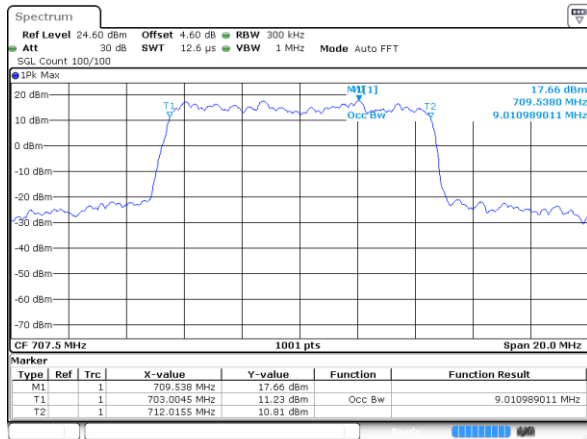
## Lowest Channel / 10MHz / QPSK



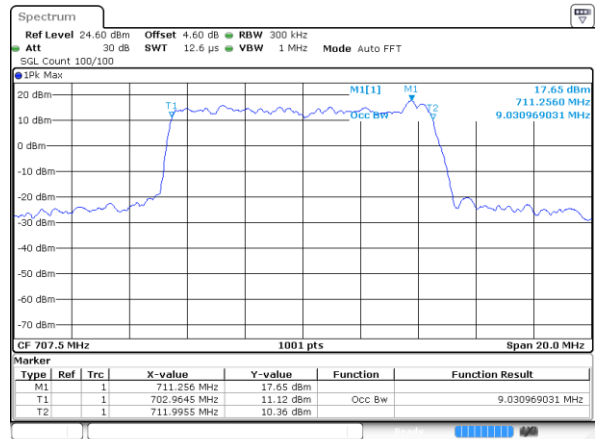
## Lowest Channel / 10MHz / 16QAM



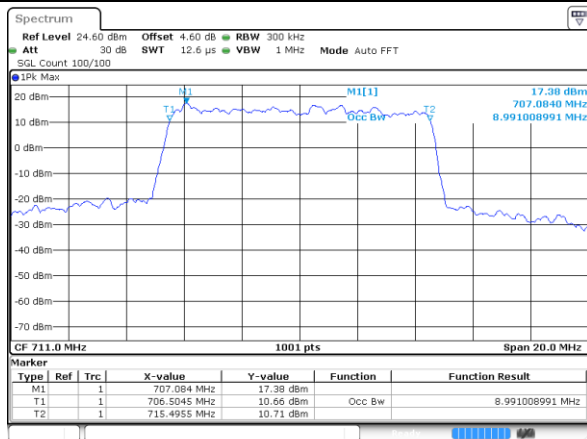
## Middle Channel / 10MHz / QPSK



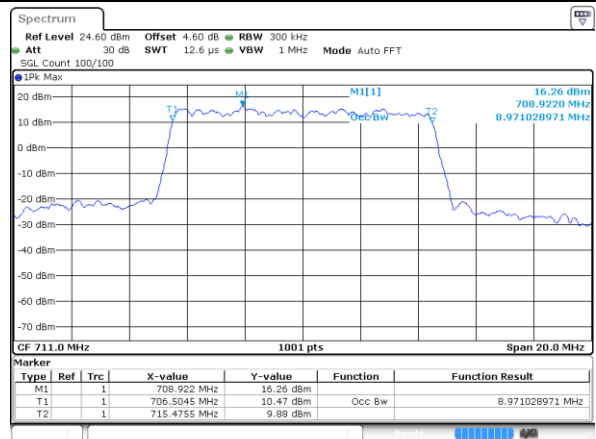
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



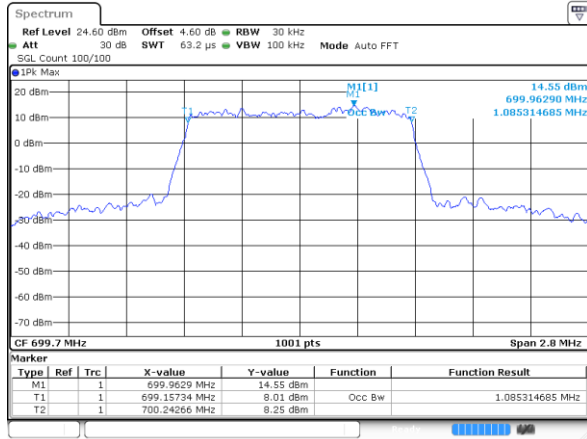
## Highest Channel / 10MHz / 16QAM



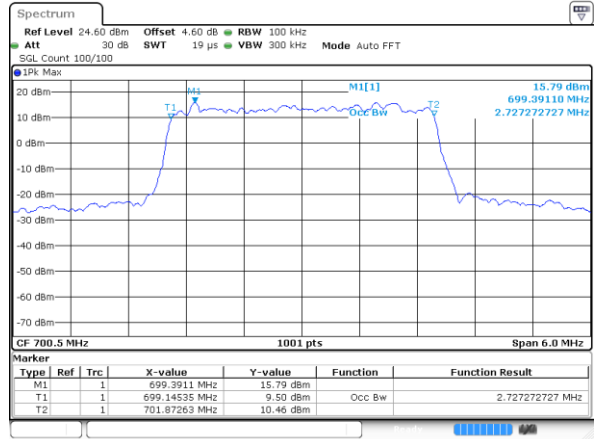


## LTE Band 12

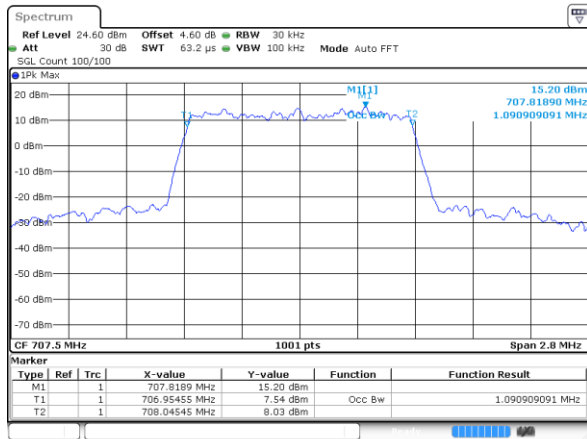
## Lowest Channel / 1.4MHz / 64QAM



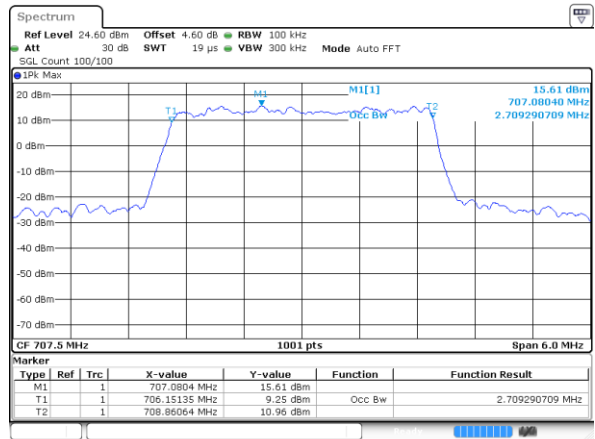
## Lowest Channel / 3MHz / 64QAM



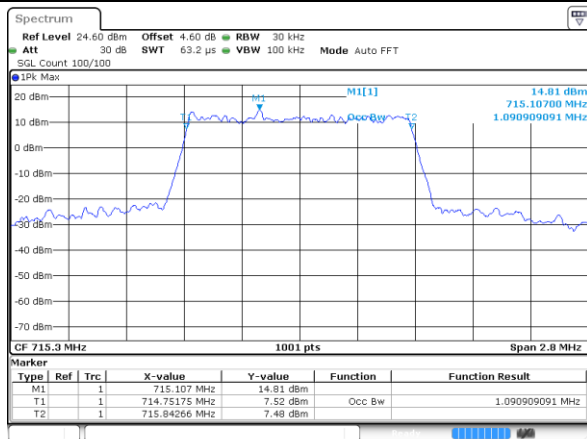
## Middle Channel / 1.4MHz / 64QAM



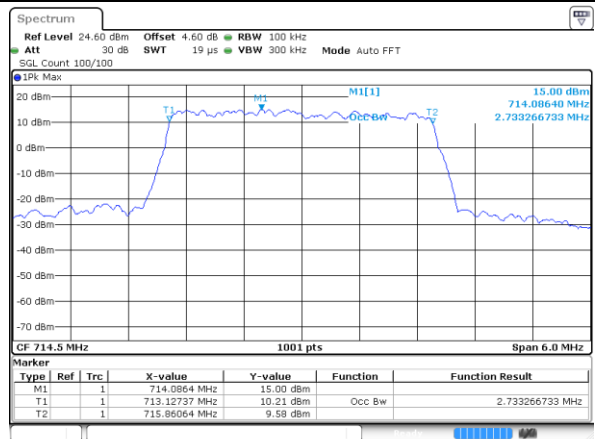
## Middle Channel / 3MHz / 64QAM



## Highest Channel / 1.4MHz / 64QAM



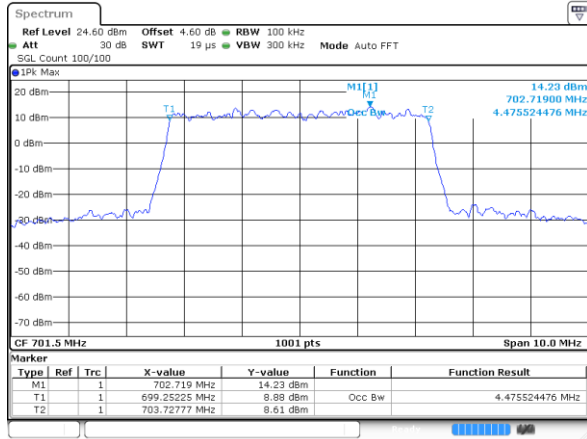
## Highest Channel / 3MHz / 64QAM



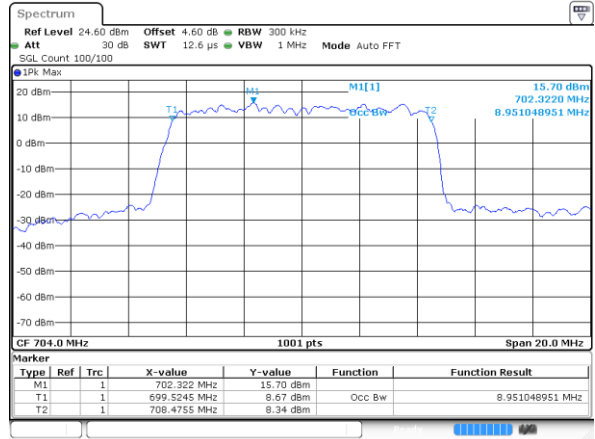


## LTE Band 12

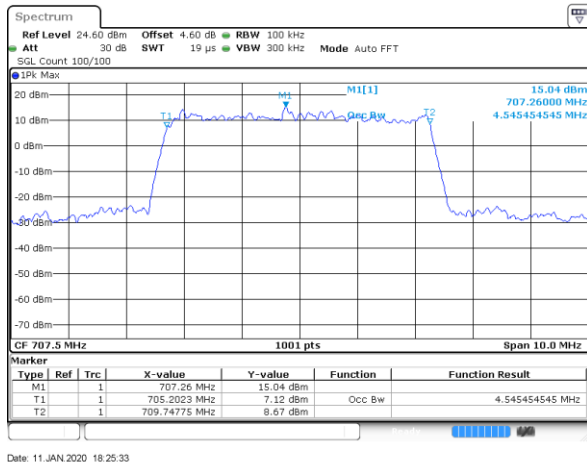
## Lowest Channel / 5MHz / 64QAM



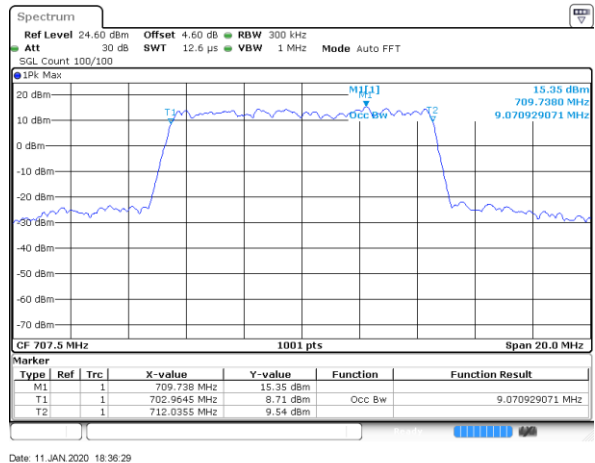
## Lowest Channel / 10MHz / 64QAM



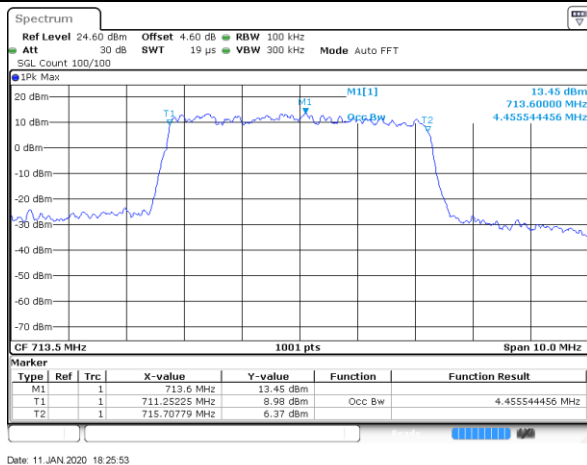
## Middle Channel / 5MHz / 64QAM



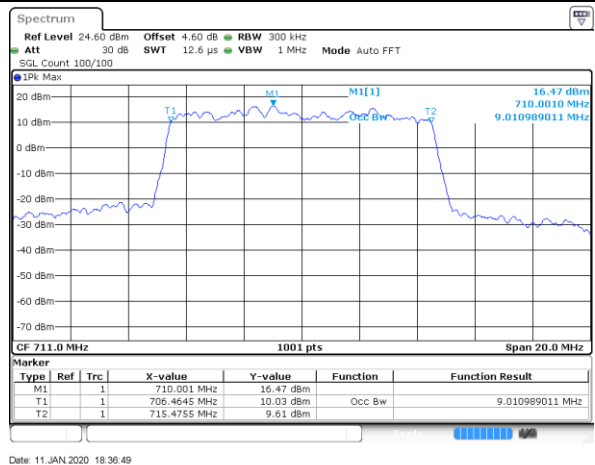
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



## Highest Channel / 10MHz / 64QAM

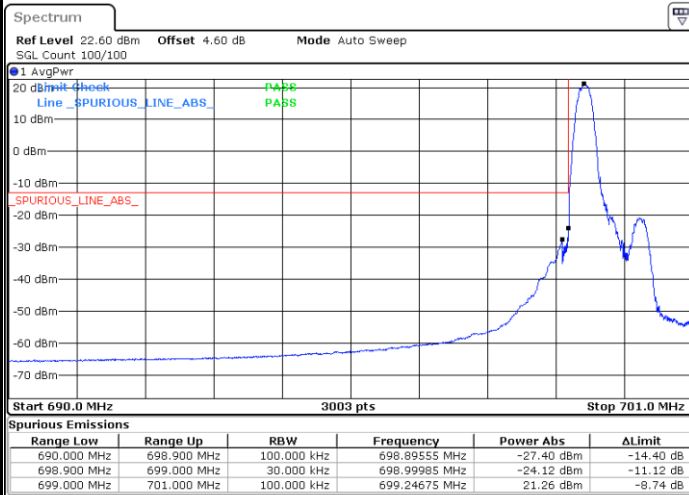




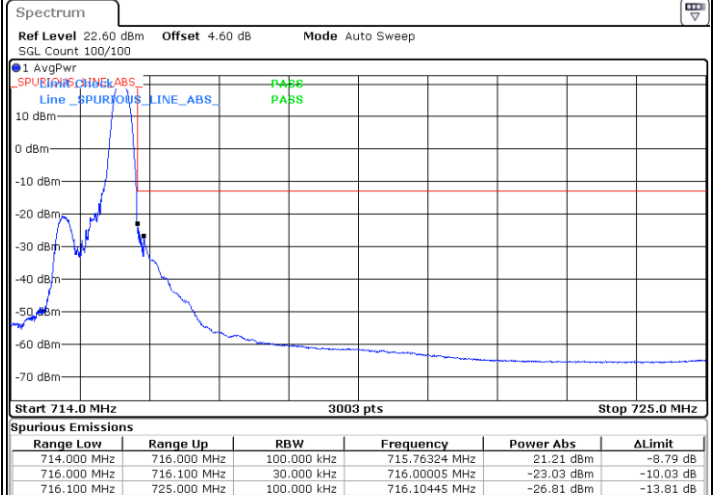
## Conducted Band Edge

### LTE Band 12 / 1.4MHz / QPSK

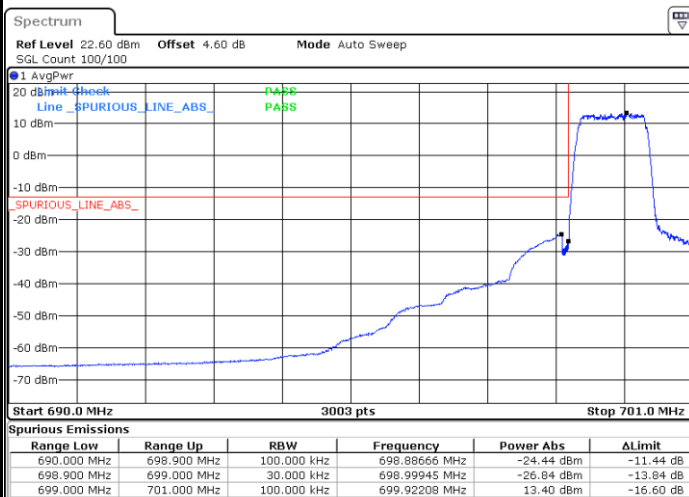
#### Lowest Band Edge / 1 RB



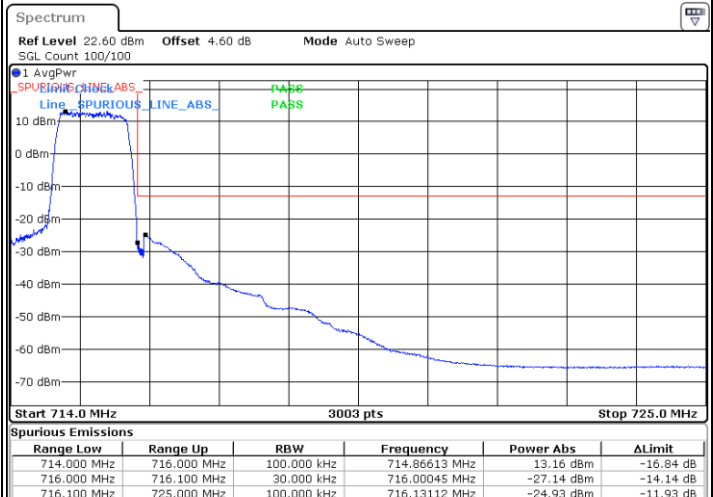
#### Highest Band Edge / 1RB



#### Lowest Band Edge / Full RB



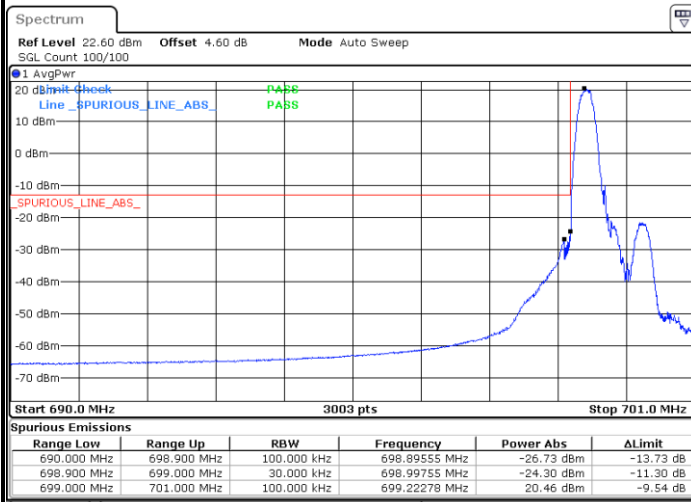
#### Highest Band Edge / Full RB





## LTE Band 12 / 1.4MHz / 16QAM

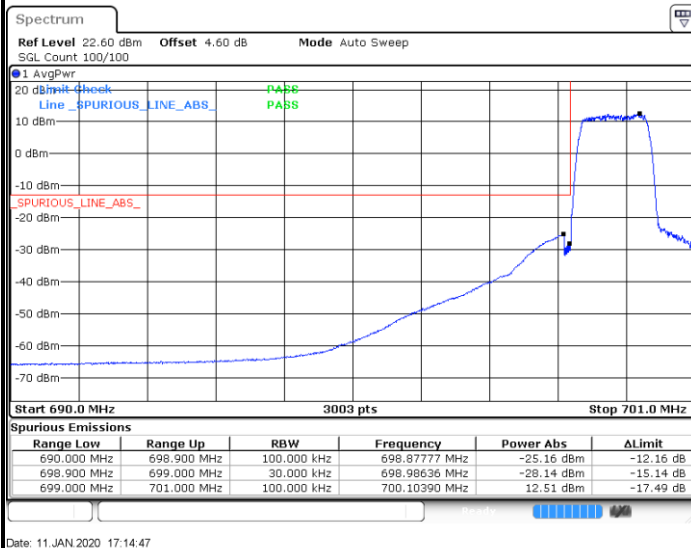
## Lowest Band Edge / 1 RB



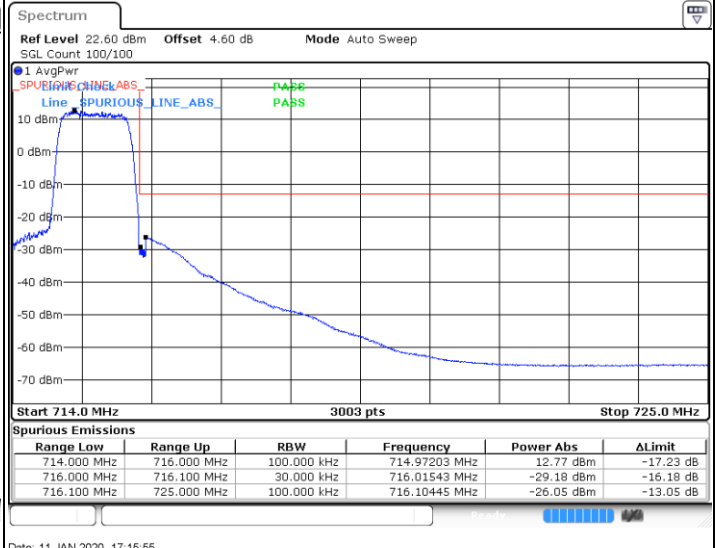
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



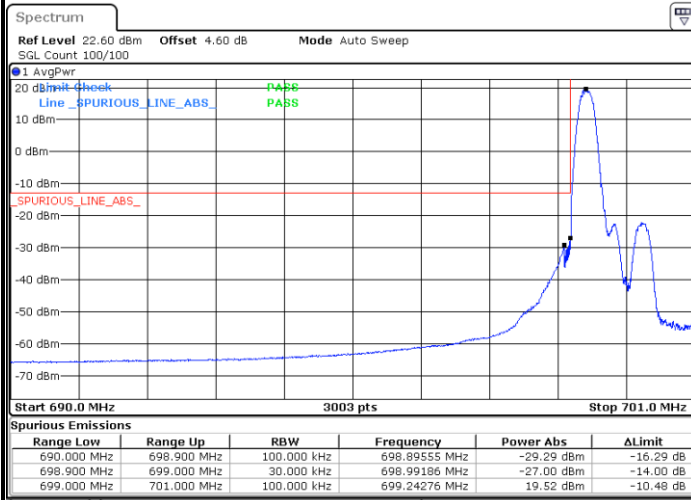
## Highest Band Edge / Full RB





## LTE Band 12 / 1.4MHz / 64QAM

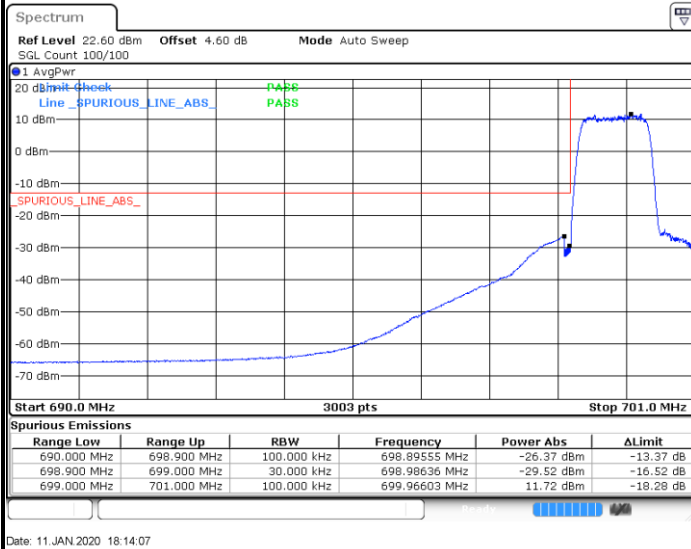
## Lowest Band Edge / 1 RB



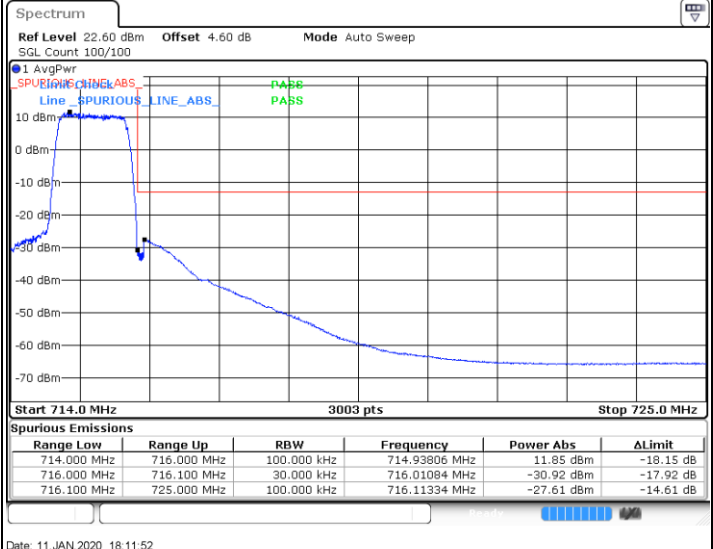
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



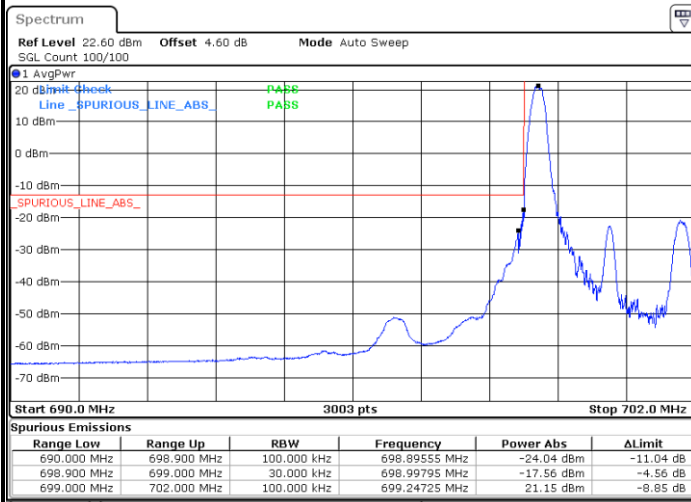
## Highest Band Edge / Full RB



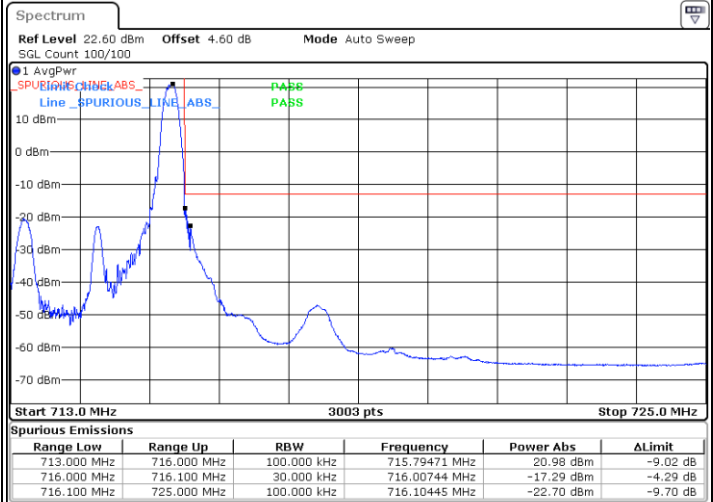


## LTE Band 12 / 3MHz / QPSK

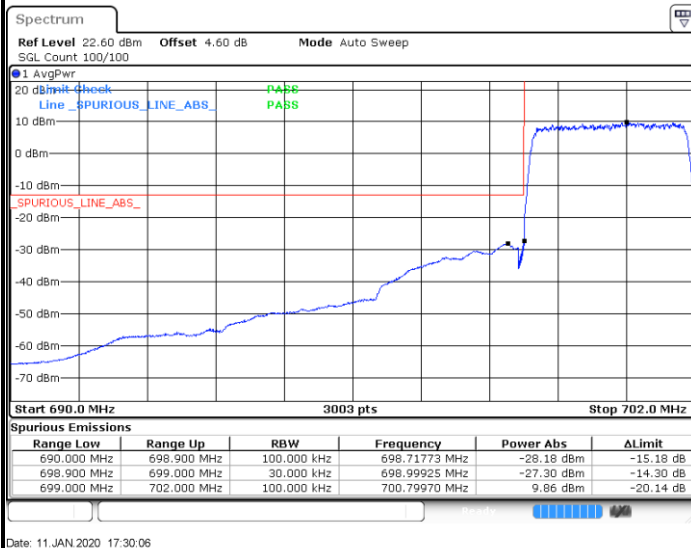
## Lowest Band Edge / 1RB



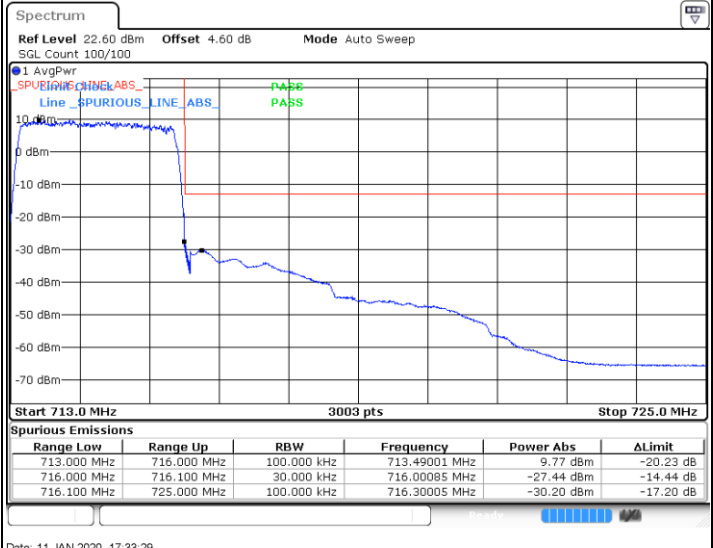
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



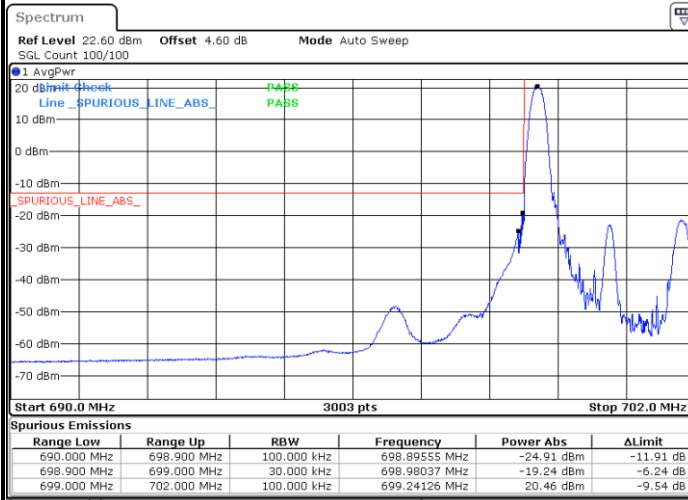
## Highest Band Edge / Full RB



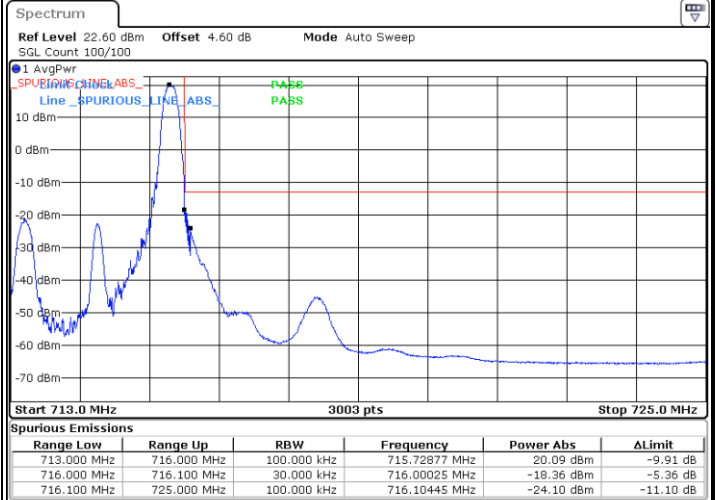


## LTE Band 12 / 3MHz / 16QAM

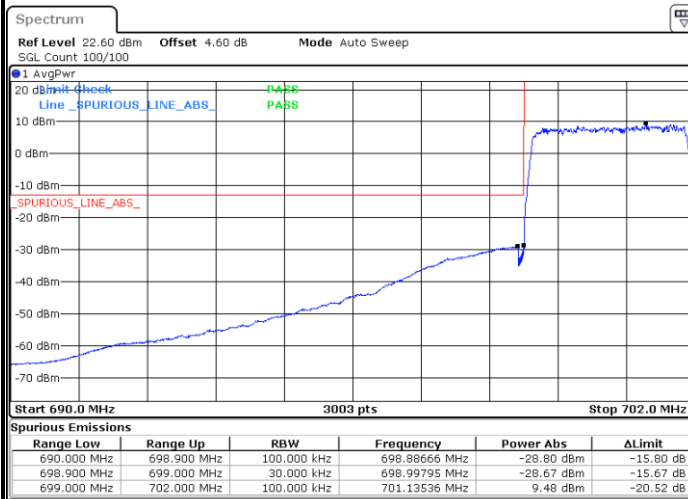
## Lowest Band Edge / 1 RB



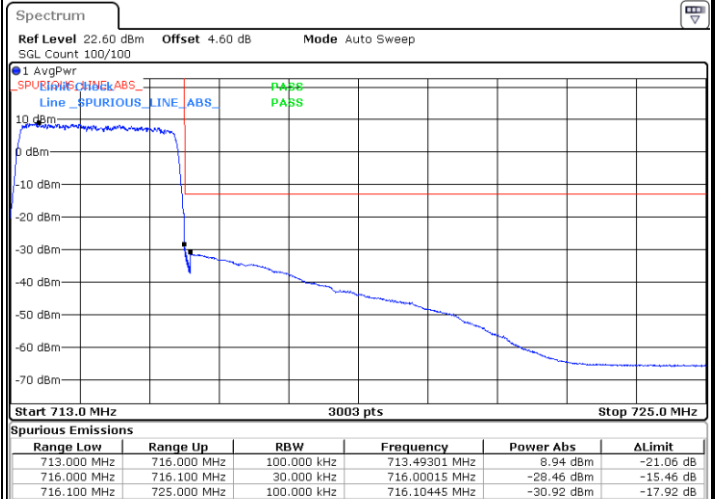
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



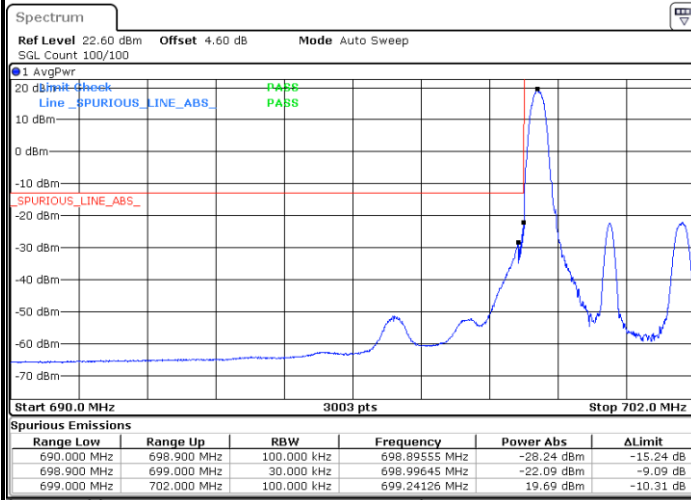
## Highest Band Edge / Full RB



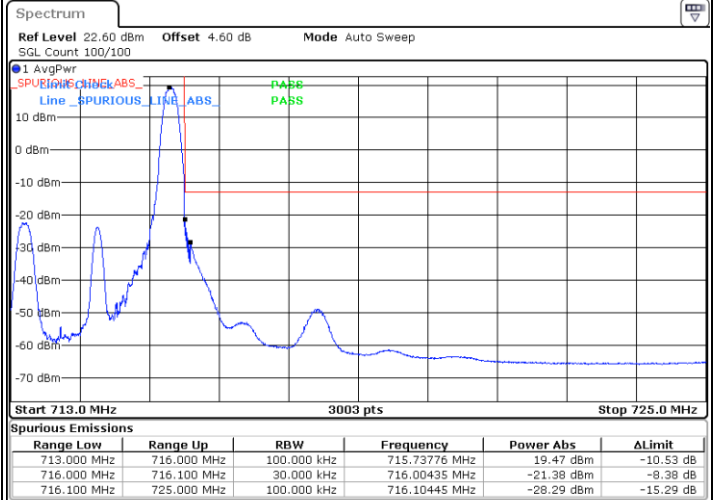


## LTE Band 12 / 3MHz / 64QAM

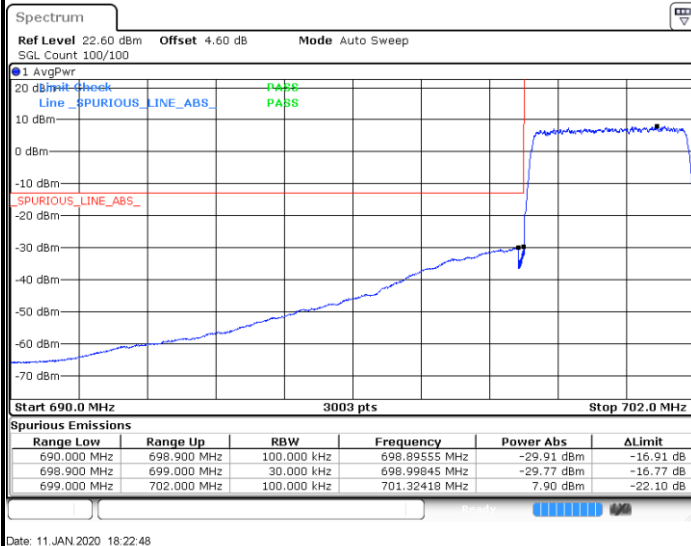
## Lowest Band Edge / 1 RB



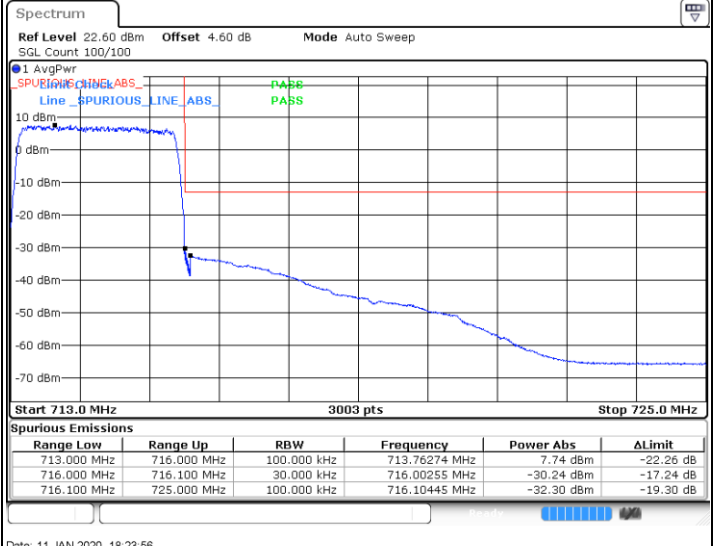
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



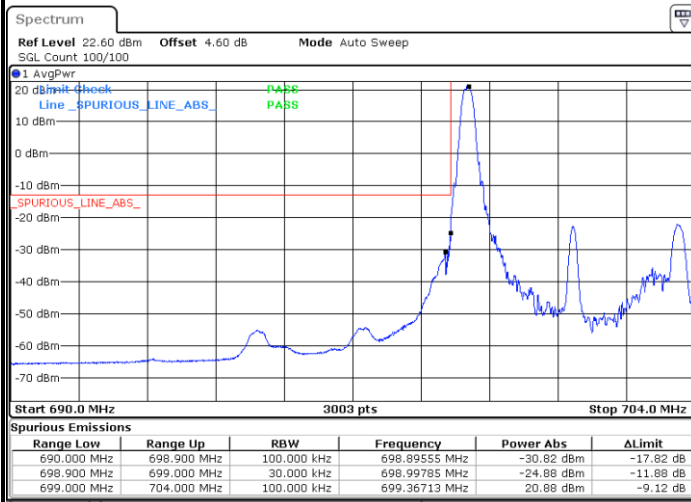
## Highest Band Edge / Full RB



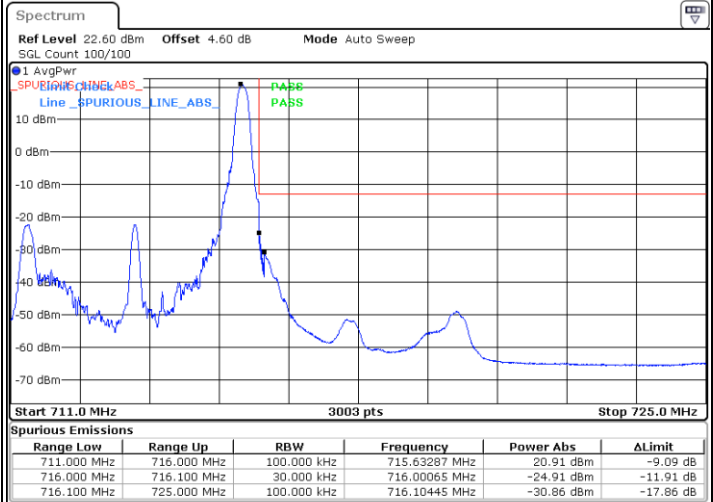


## LTE Band 12 / 5MHz / QPSK

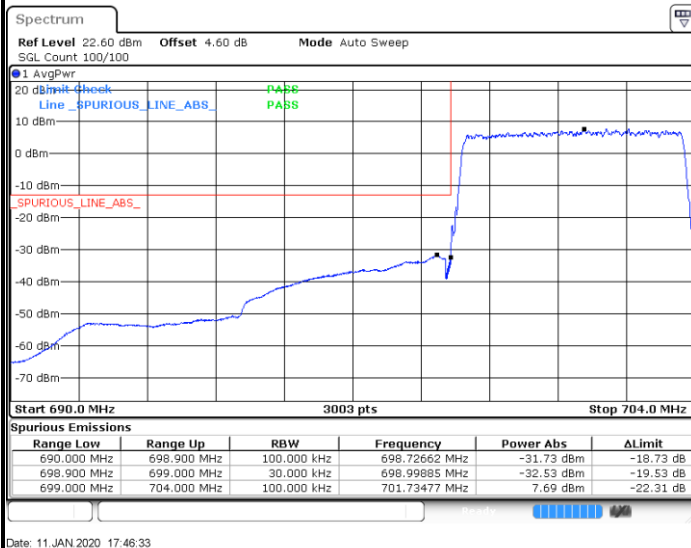
## Lowest Band Edge / 1 RB



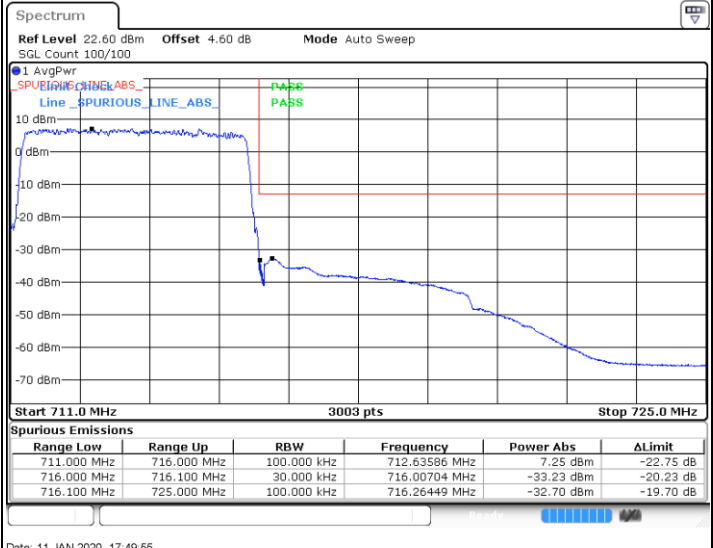
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



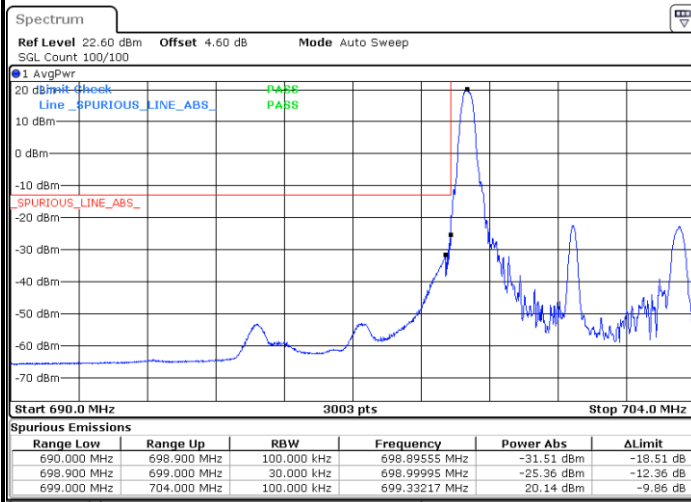
## Highest Band Edge / Full RB





## LTE Band 12 / 5MHz / 16QAM

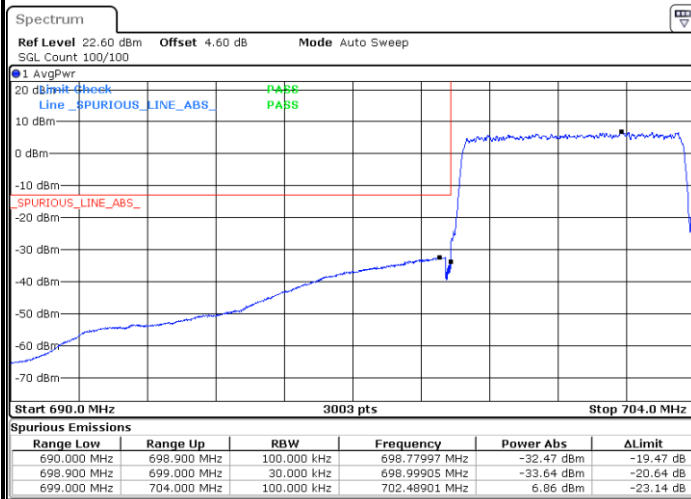
## Lowest Band Edge / 1RB



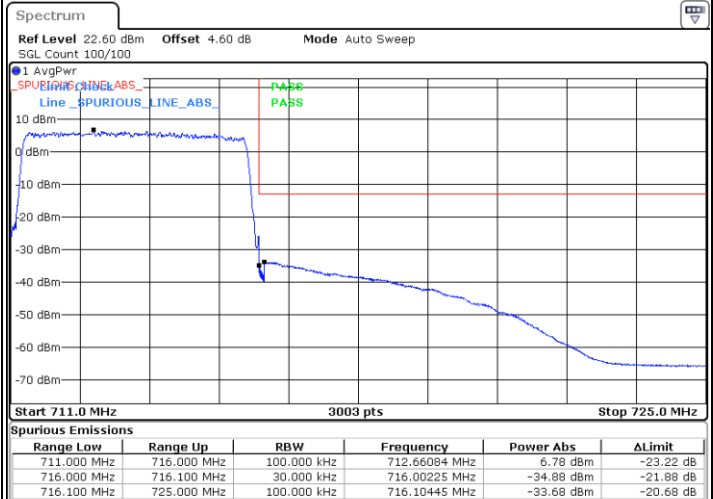
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



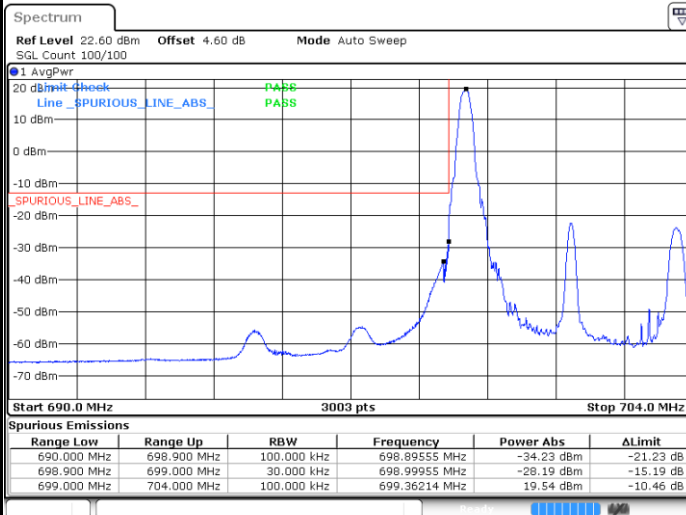
## Highest Band Edge / Full RB



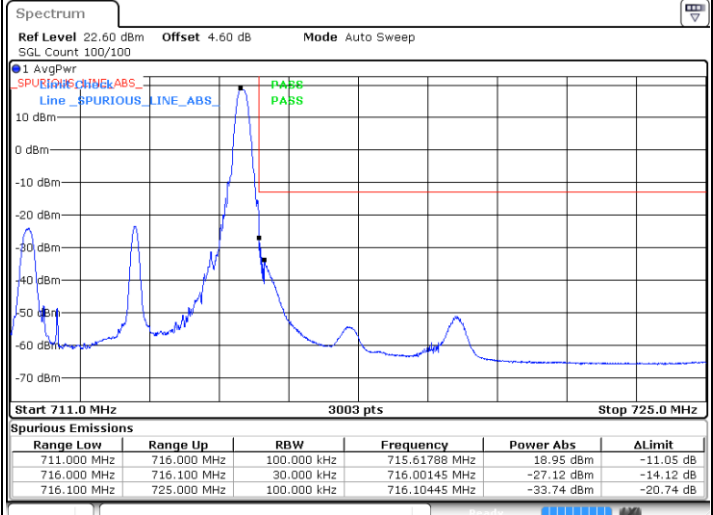


## LTE Band 12 / 5MHz / 64QAM

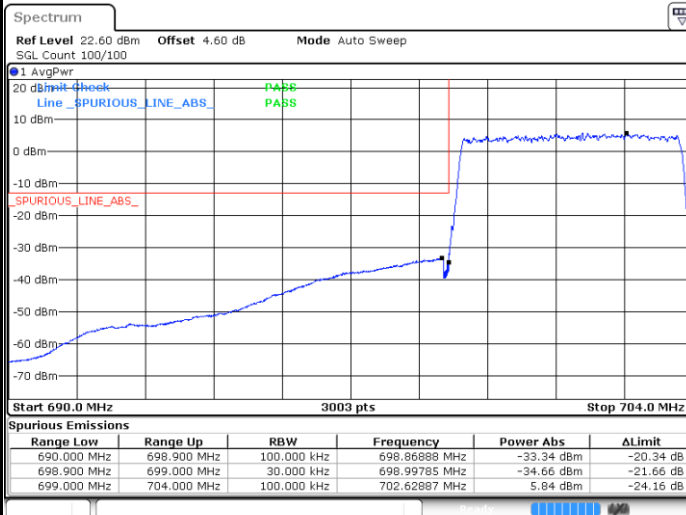
## Lowest Band Edge / 1RB



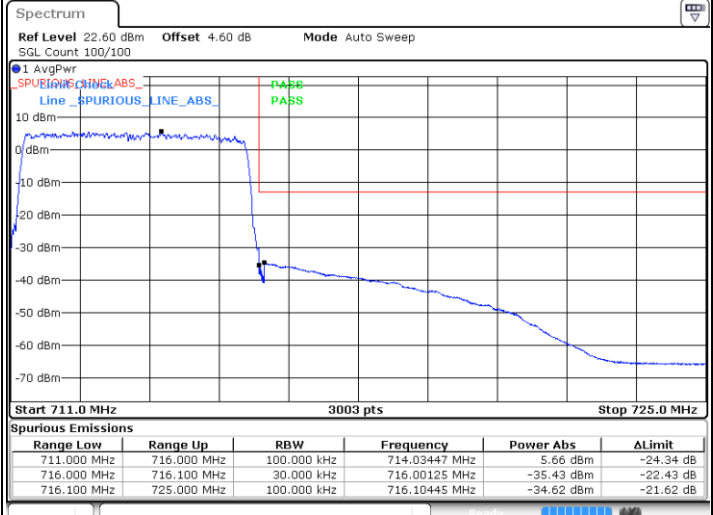
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



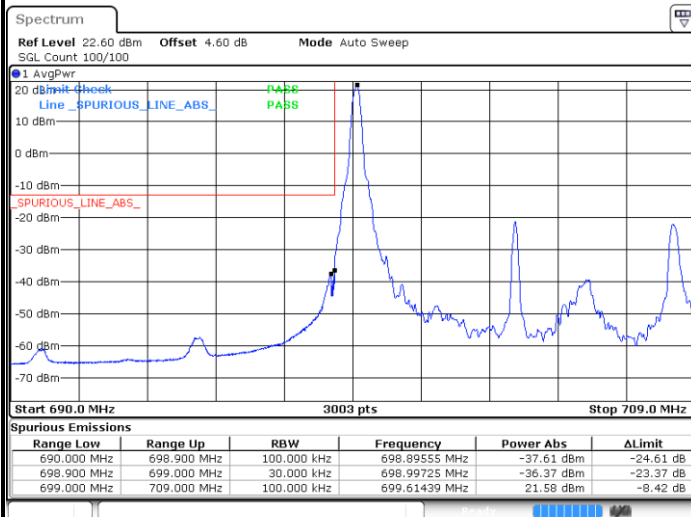
## Highest Band Edge / Full RB



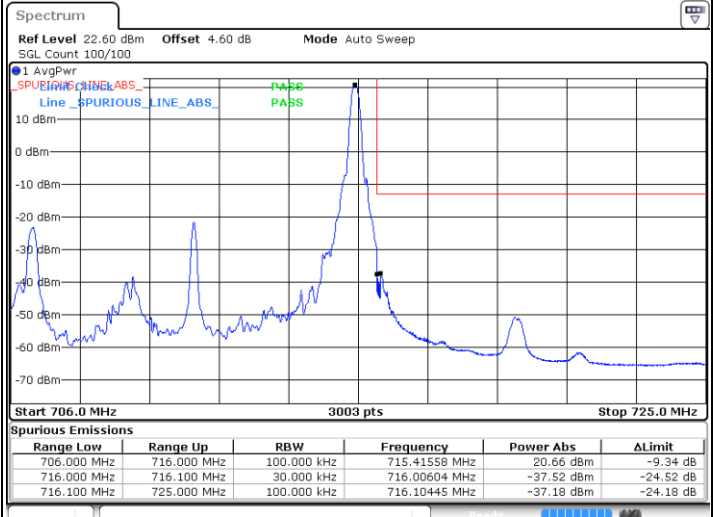


## LTE Band 12 / 10MHz / QPSK

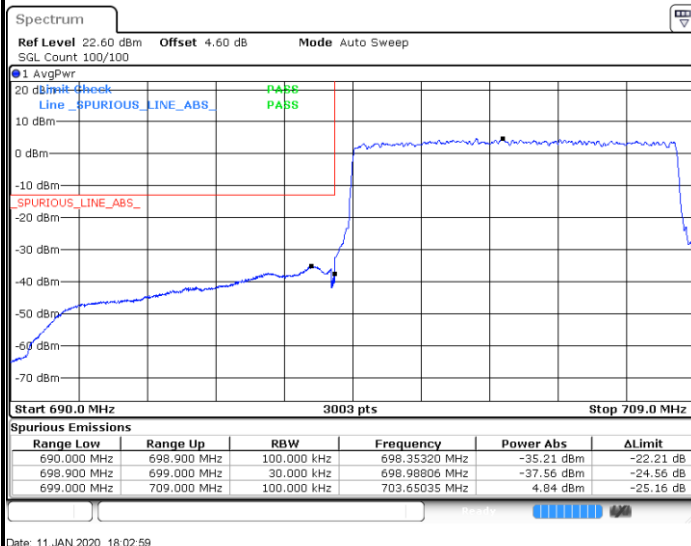
## Lowest Band Edge / 1 RB



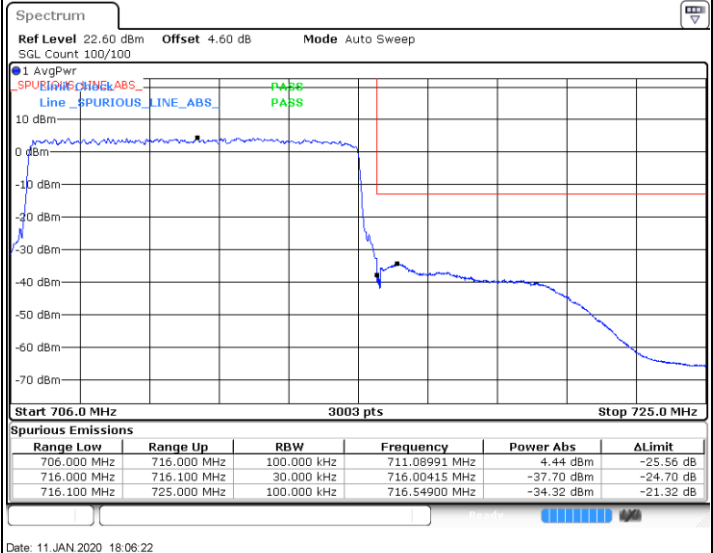
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



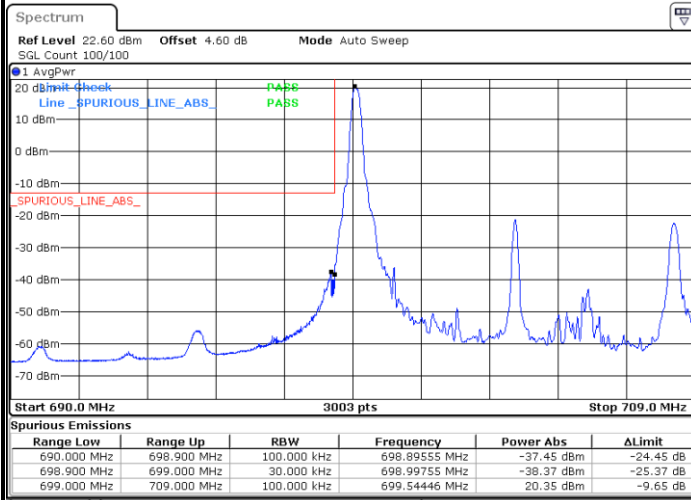
## Highest Band Edge / Full RB



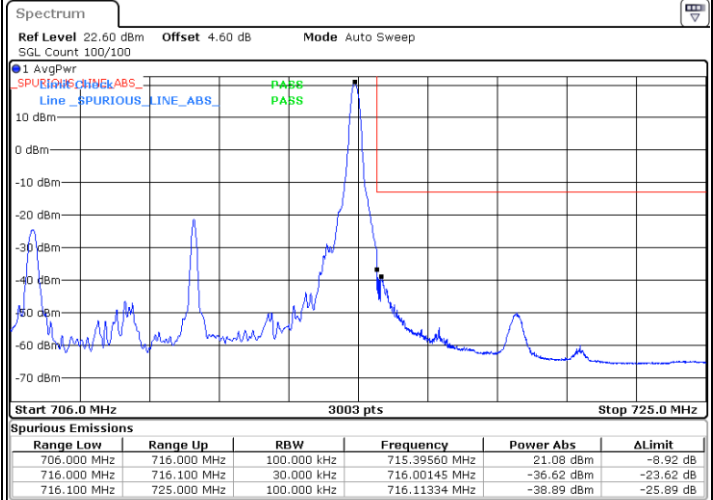


## LTE Band 12 / 10MHz / 16QAM

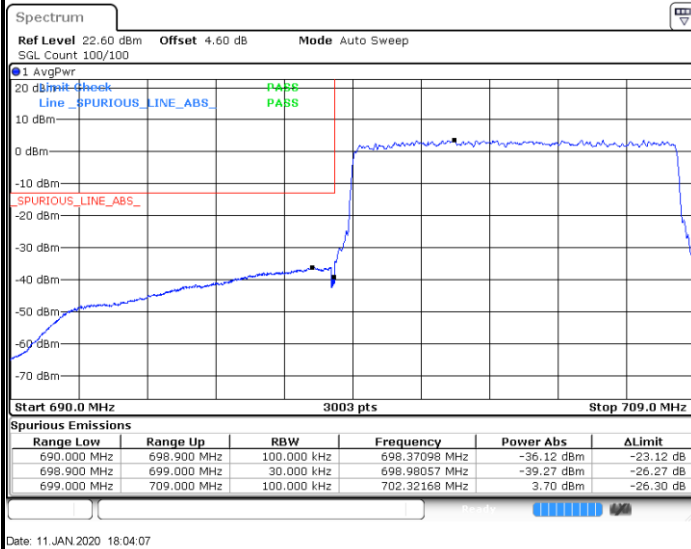
## Lowest Band Edge / 1 RB



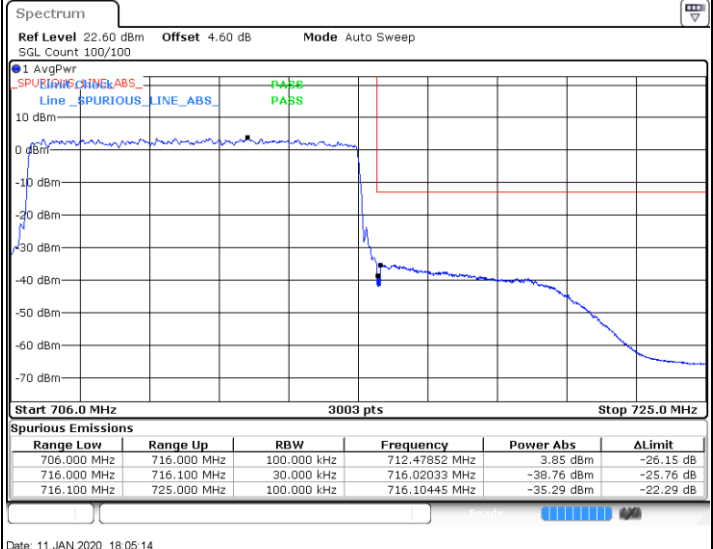
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



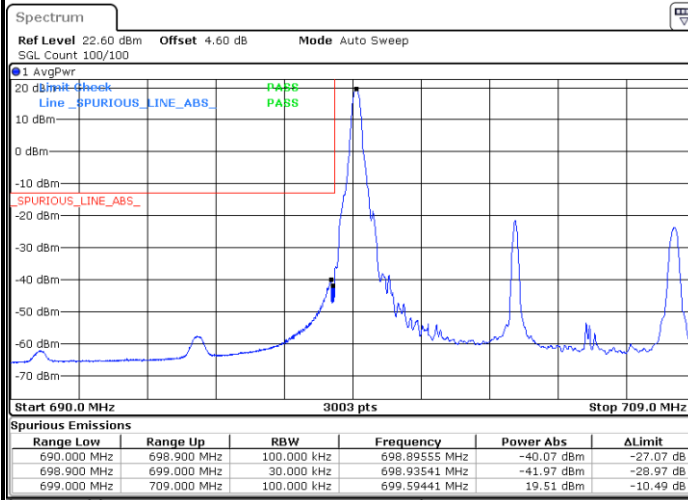
## Highest Band Edge / Full RB



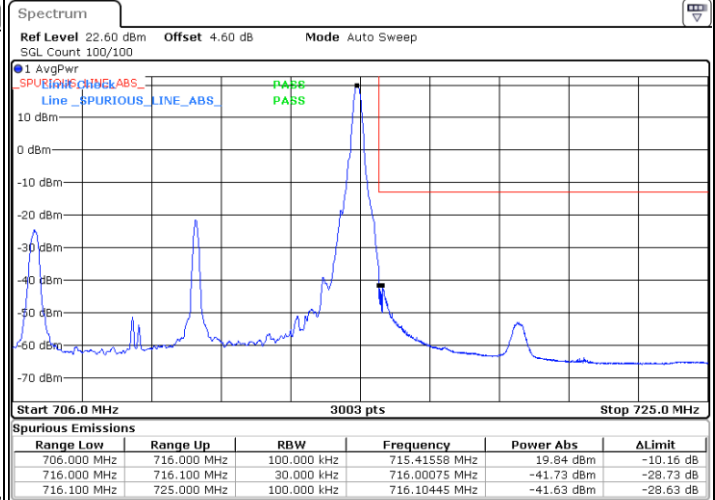


## LTE Band 12 / 10MHz / 64QAM

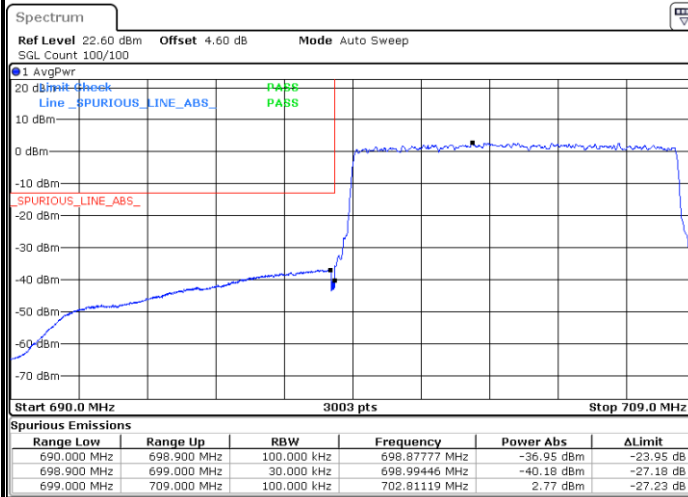
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

