

### LTE Band 13

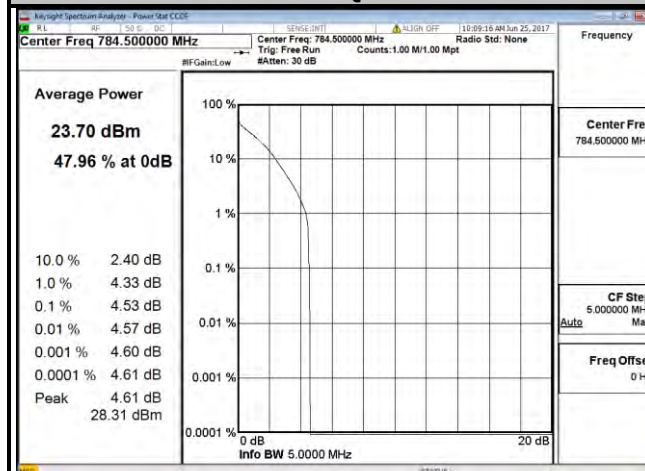
#### Channel Bandwidth: 5 MHz

#### Channel Bandwidth: 10 MHz

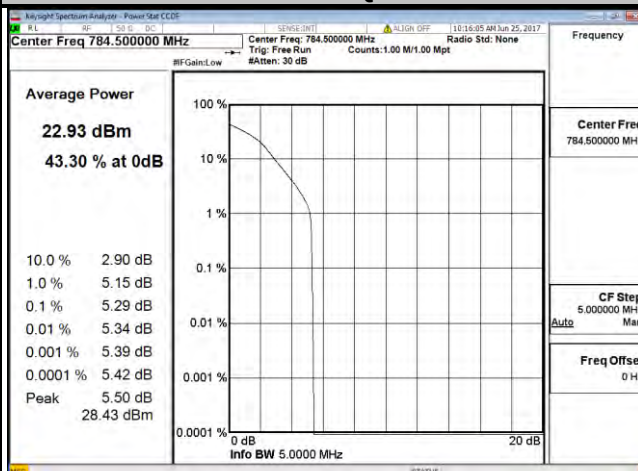
| Channel | Frequency (MHz) | Peak to Average Ratio (dB) |       |       | Channel | Frequency (MHz) | Peak to Average Ratio (dB) |       |       |
|---------|-----------------|----------------------------|-------|-------|---------|-----------------|----------------------------|-------|-------|
|         |                 | QPSK                       | 16QAM | 64QAM |         |                 | QPSK                       | 16QAM | 64QAM |
| 23205   | 779.5           | 3.38                       | 4.15  | 5.15  | 23230   | 782.0           | 3.37                       | 4.26  | 5.11  |
| 23230   | 782.0           | 3.57                       | 4.31  | 5.34  |         |                 |                            |       |       |
| 23255   | 784.5           | 4.53                       | 5.29  | 6.29  |         |                 |                            |       |       |

### Spectrum Plot of Worst Value

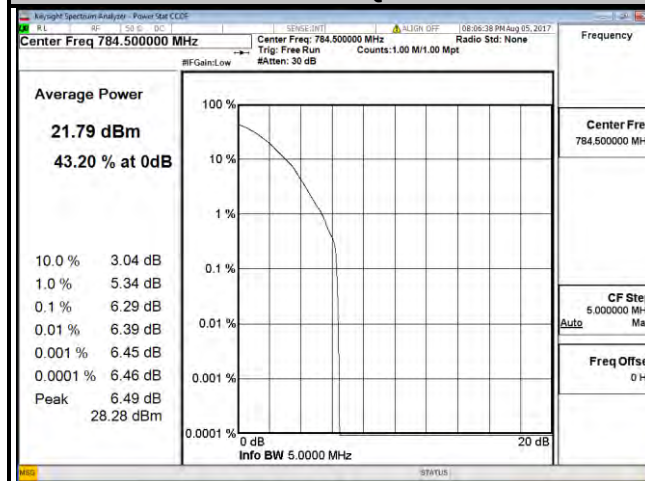
#### 5 MHz / QPSK



#### 5 MHz / 16QAM

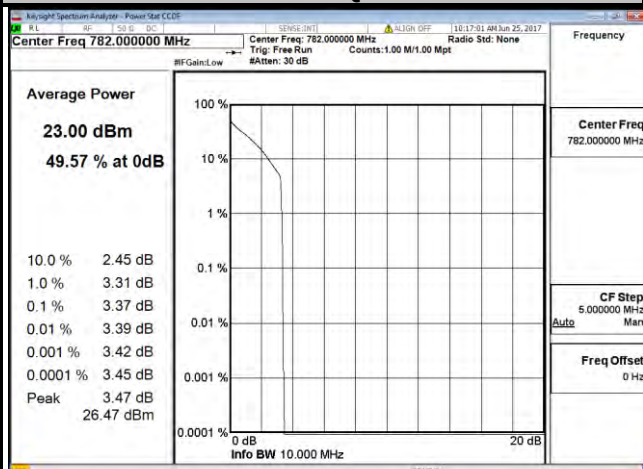


#### 5 MHz / 64QAM

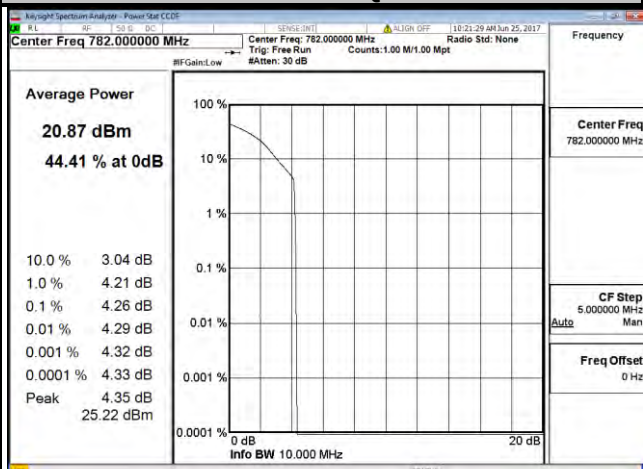


## Spectrum Plot of Worst Value

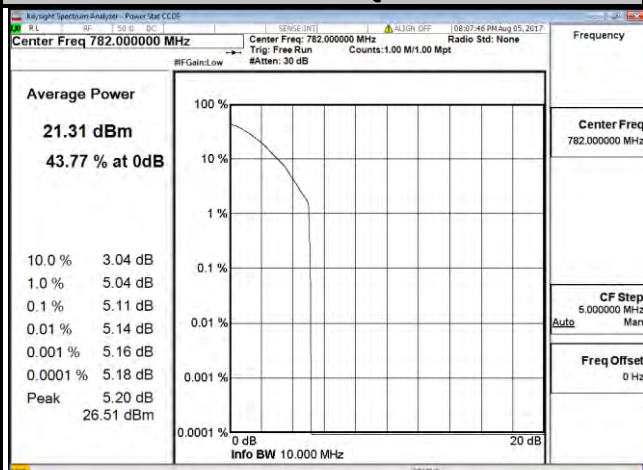
### 10 MHz / QPSK



### 10 MHz / 16QAM



### 10 MHz / 64QAM

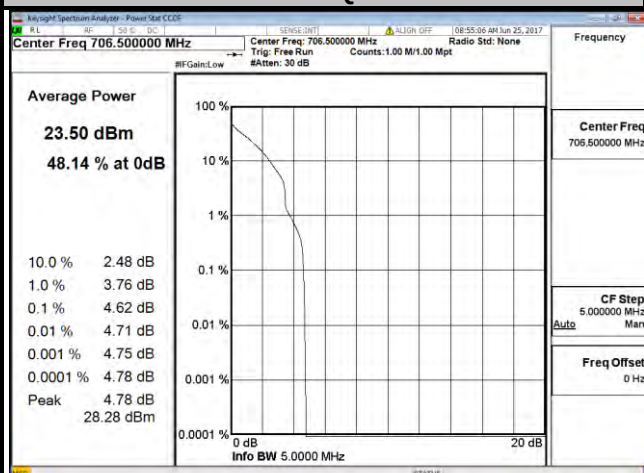


## LTE Band 17

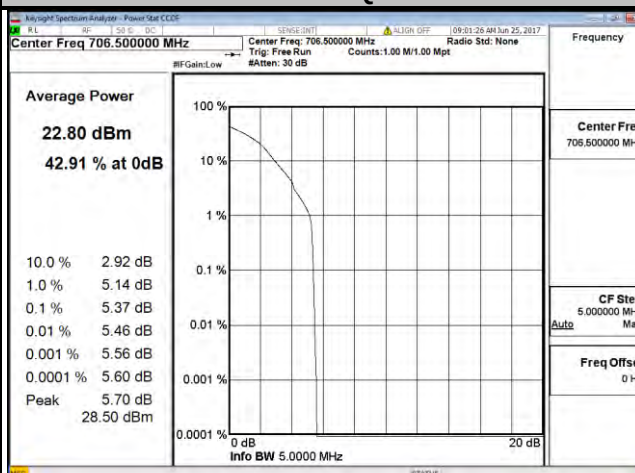
| Channel Bandwidth: 5 MHz |                 |                            |       |       | Channel Bandwidth: 10 MHz |                 |                            |       |       |
|--------------------------|-----------------|----------------------------|-------|-------|---------------------------|-----------------|----------------------------|-------|-------|
| Channel                  | Frequency (MHz) | Peak to Average Ratio (dB) |       |       | Channel                   | Frequency (MHz) | Peak to Average Ratio (dB) |       |       |
|                          |                 | QPSK                       | 16QAM | 64QAM |                           |                 | QPSK                       | 16QAM | 64QAM |
| 23755                    | 706.5           | 4.62                       | 5.37  | 5.43  | 23780                     | 709.0           | 4.55                       | 4.86  | 5.47  |
| 23790                    | 710.0           | 3.87                       | 4.59  | 5.56  | 23790                     | 710.0           | 3.77                       | 4.53  | 5.82  |
| 23825                    | 713.5           | 4.61                       | 5.35  | 6.35  | 23800                     | 711.0           | 3.71                       | 4.42  | 5.59  |

## Spectrum Plot of Worst Value

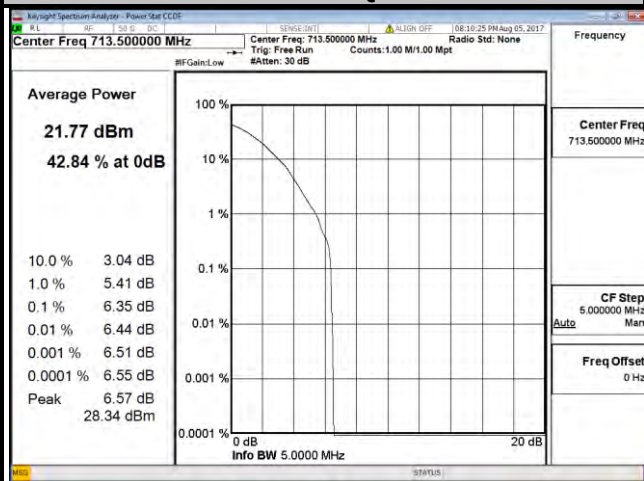
### 5 MHz / QPSK



### 5 MHz / 16QAM

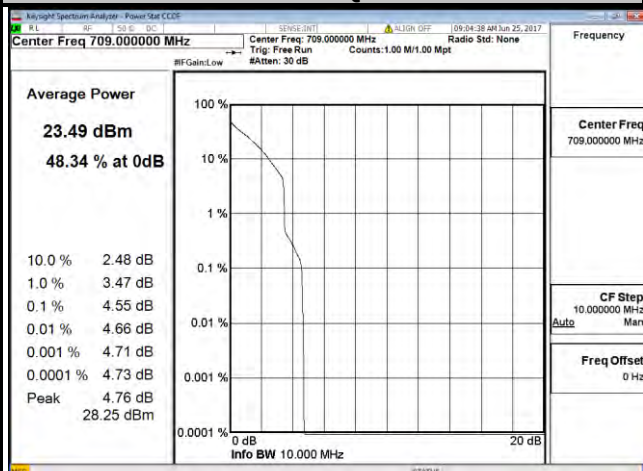


### 5 MHz / 64QAM

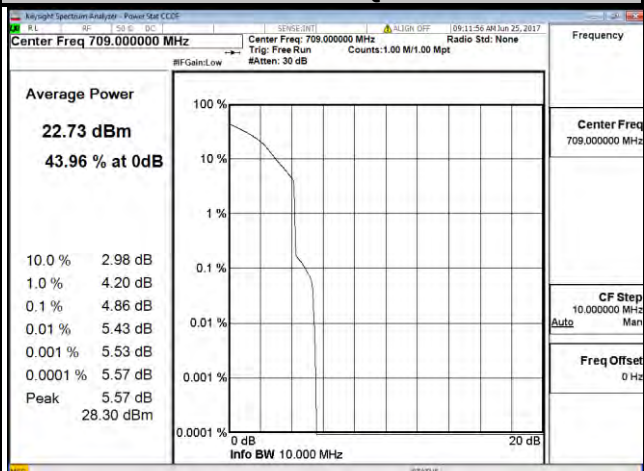


## Spectrum Plot of Worst Value

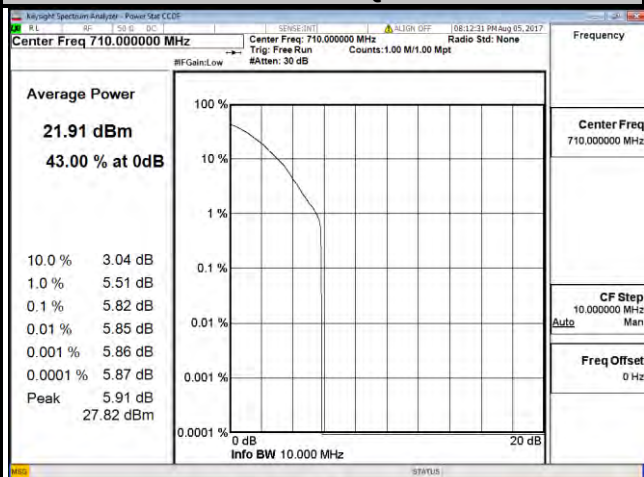
### 10 MHz / QPSK



### 10 MHz / 16QAM



### 10 MHz / 64QAM



## LTE Band 66

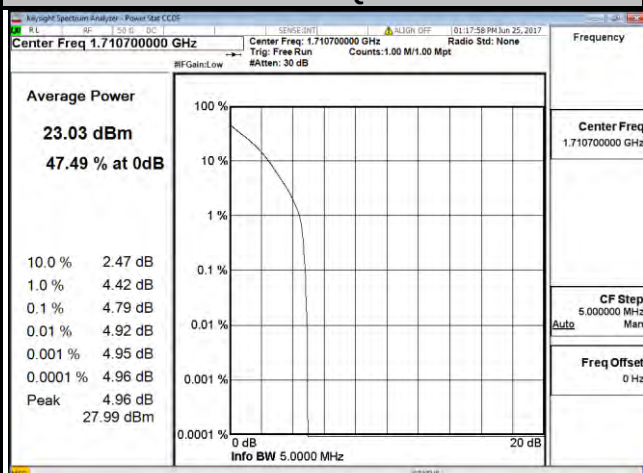
### Channel Bandwidth: 1.4 MHz

### Channel Bandwidth: 3 MHz

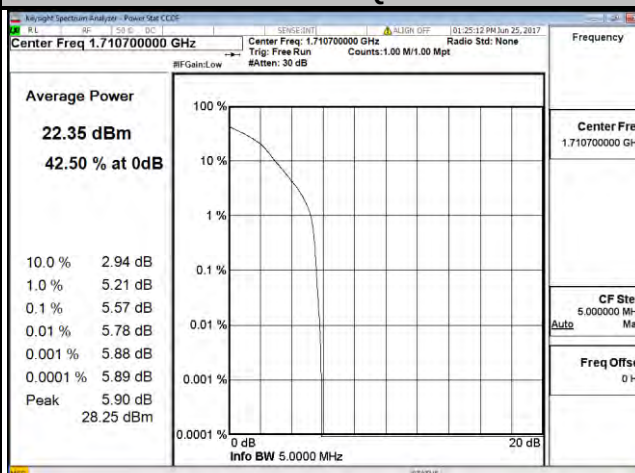
| Channel | Frequency (MHz) | Peak to Average Ratio (dB) |       |       | Channel | Frequency (MHz) | Peak to Average Ratio (dB) |       |       |
|---------|-----------------|----------------------------|-------|-------|---------|-----------------|----------------------------|-------|-------|
|         |                 | QPSK                       | 16QAM | 64QAM |         |                 | QPSK                       | 16QAM | 64QAM |
| 131979  | 1710.7          | 4.79                       | 5.57  | 5.34  | 131987  | 1711.5          | 4.64                       | 5.37  | 5.39  |
| 132322  | 1745            | 4.14                       | 4.87  | 5.95  | 132322  | 1745            | 4.02                       | 4.78  | 5.88  |
| 132665  | 1779.3          | 4.36                       | 5.12  | 6.10  | 132657  | 1778.5          | 4.11                       | 4.87  | 5.90  |

## Spectrum Plot of Worst Value

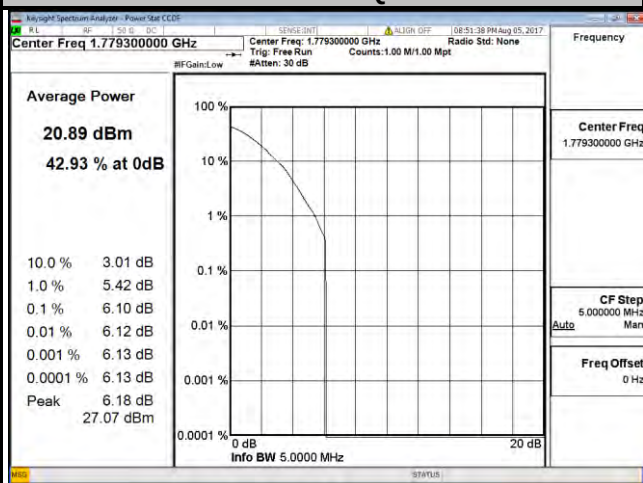
### 1.4 MHz / QPSK



### 1.4 MHz / 16QAM

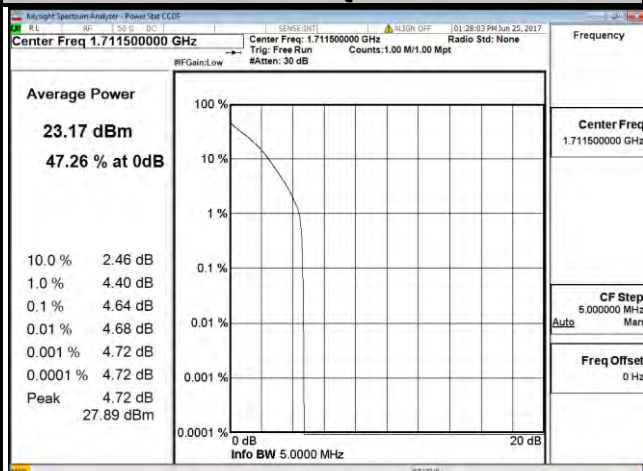


### 1.4 MHz / 64QAM

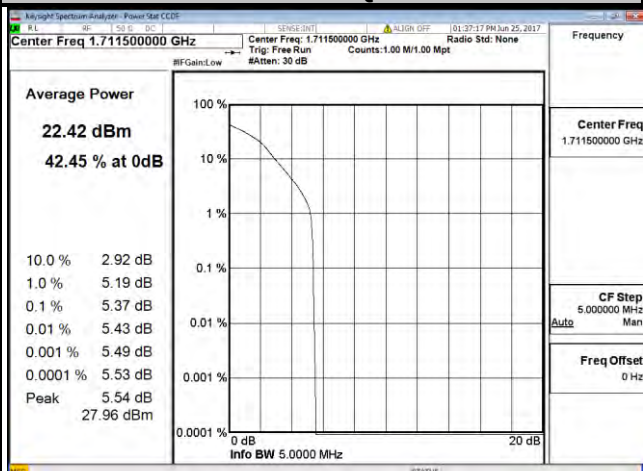


## Spectrum Plot of Worst Value

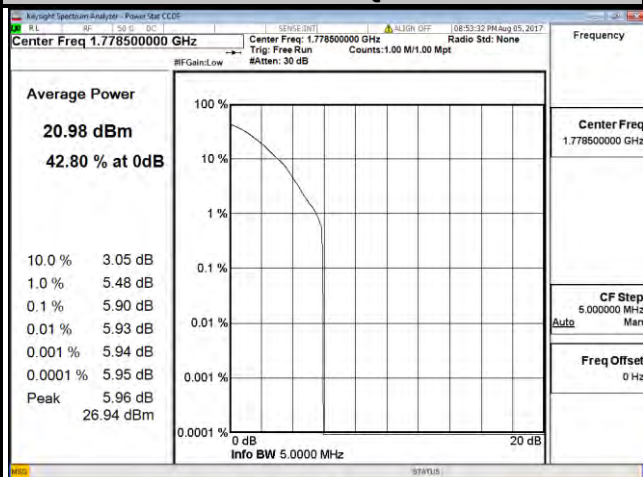
### 3 MHz / QPSK



### 3 MHz / 16QAM



### 3 MHz / 64QAM



## LTE Band 66

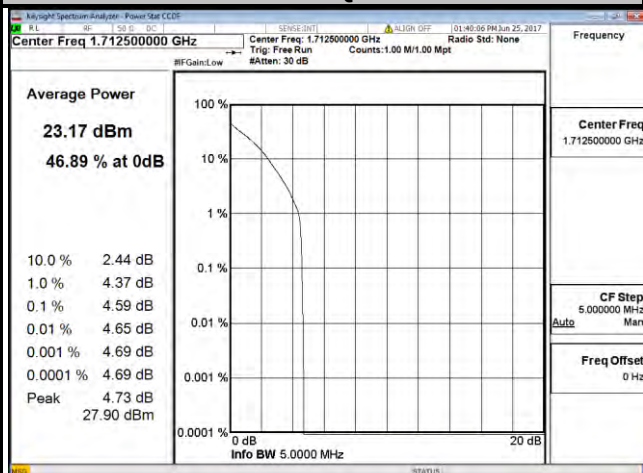
### Channel Bandwidth: 5 MHz

### Channel Bandwidth: 10 MHz

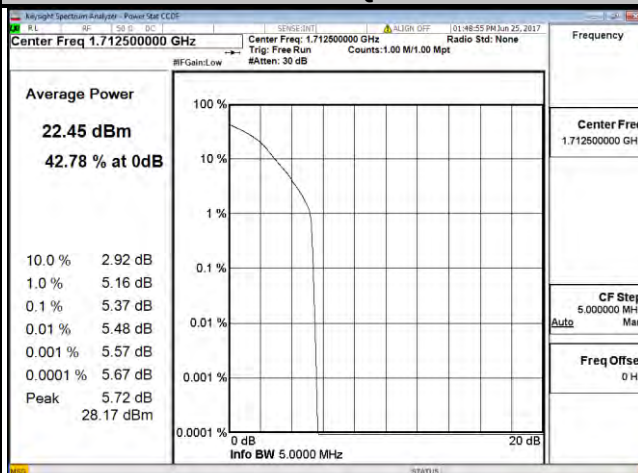
| Channel | Frequency (MHz) | Peak to Average Ratio (dB) |       |       | Channel | Frequency (MHz) | Peak to Average Ratio (dB) |       |       |
|---------|-----------------|----------------------------|-------|-------|---------|-----------------|----------------------------|-------|-------|
|         |                 | QPSK                       | 16QAM | 64QAM |         |                 | QPSK                       | 16QAM | 64QAM |
| 131997  | 1712.5          | 4.59                       | 5.37  | 6.23  | 132022  | 1715            | 4.57                       | 5.31  | 6.33  |
| 132322  | 1745            | 3.90                       | 4.72  | 5.80  | 132322  | 1745            | 3.73                       | 4.52  | 5.63  |
| 132647  | 1777.5          | 3.79                       | 4.55  | 5.57  | 132622  | 1775            | 3.85                       | 4.63  | 5.86  |

## Spectrum Plot of Worst Value

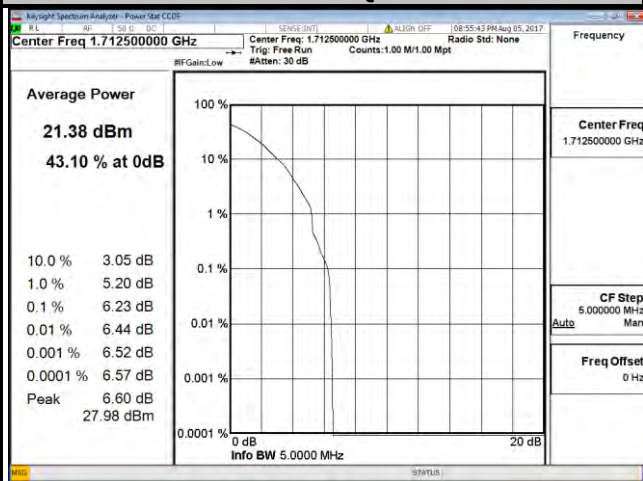
### 5 MHz / QPSK



### 5 MHz / 16QAM

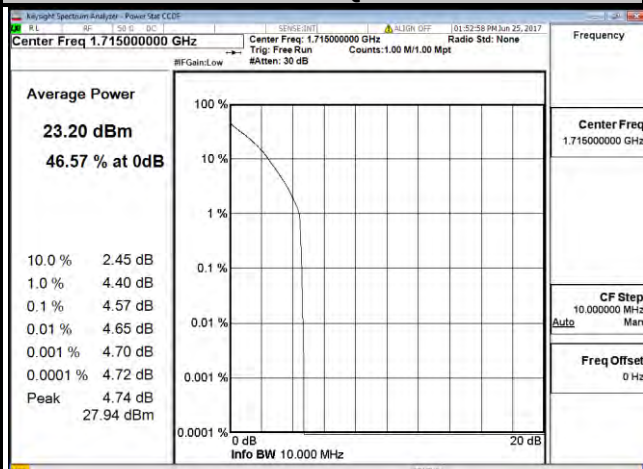


### 5 MHz / 64QAM

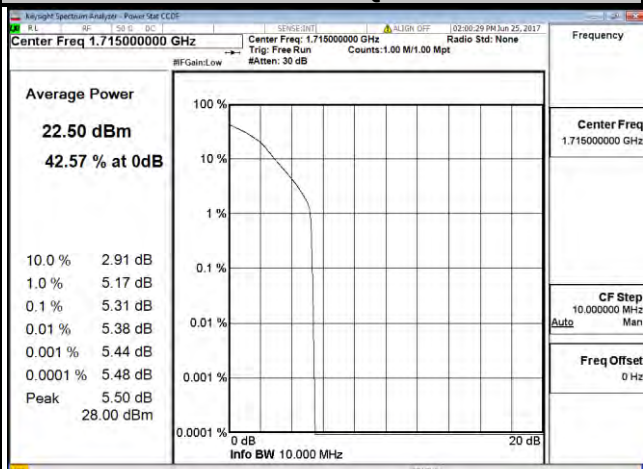


## Spectrum Plot of Worst Value

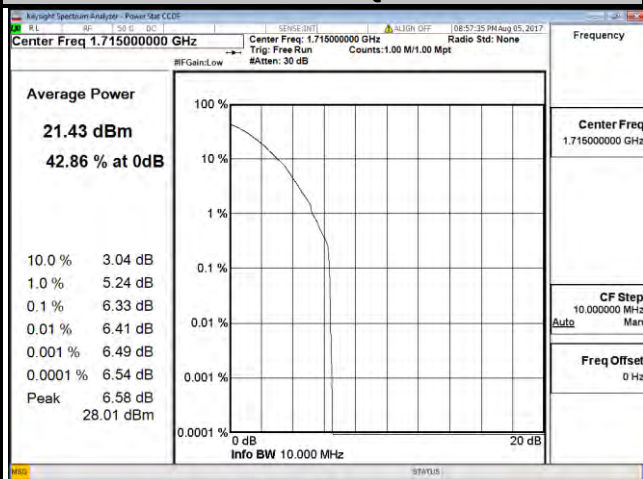
### 10 MHz / QPSK



### 10 MHz / 16QAM



### 10 MHz / 64QAM



## LTE Band 66

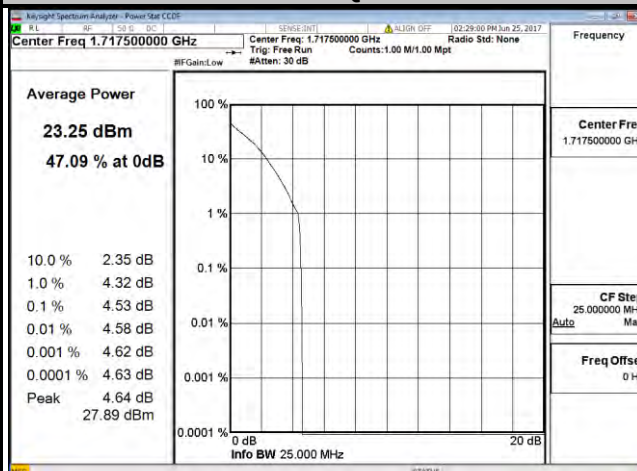
### Channel Bandwidth: 15 MHz

### Channel Bandwidth: 20 MHz

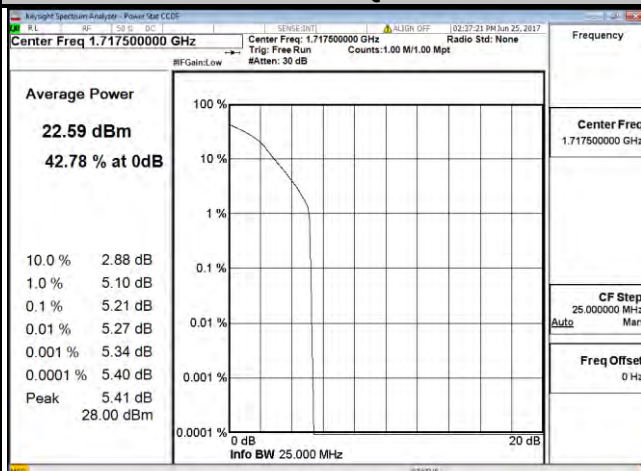
| Channel | Frequency (MHz) | Peak to Average Ratio (dB) |       |       | Channel | Frequency (MHz) | Peak to Average Ratio (dB) |       |       |
|---------|-----------------|----------------------------|-------|-------|---------|-----------------|----------------------------|-------|-------|
|         |                 | QPSK                       | 16QAM | 64QAM |         |                 | QPSK                       | 16QAM | 64QAM |
| 132047  | 1717.5          | 4.53                       | 5.21  | 6.31  | 132072  | 1720            | 4.47                       | 5.28  | 6.31  |
| 132322  | 1745            | 3.64                       | 4.44  | 5.61  | 132322  | 1745            | 3.84                       | 4.62  | 5.77  |
| 132597  | 1772.5          | 4.45                       | 5.13  | 6.25  | 132572  | 1770            | 4.50                       | 5.31  | 6.30  |

## Spectrum Plot of Worst Value

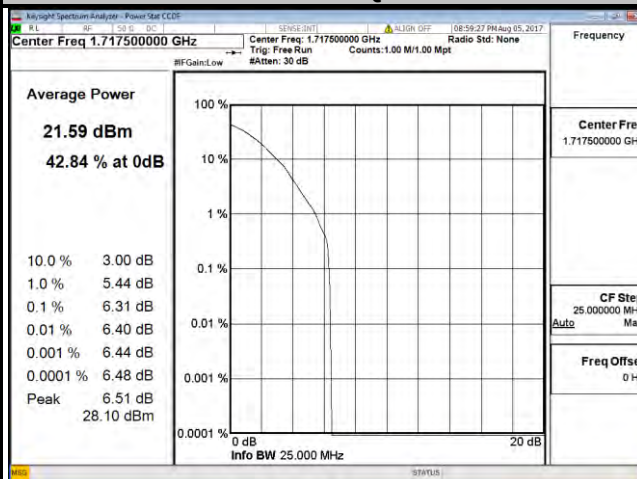
### 15 MHz / QPSK



### 15 MHz / 16QAM

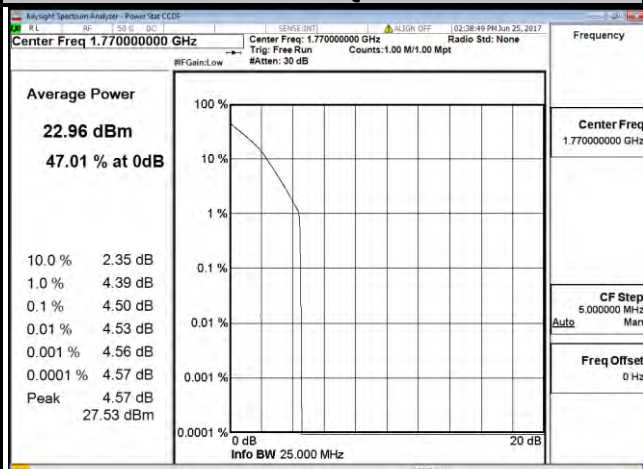


### 15 MHz / 64QAM

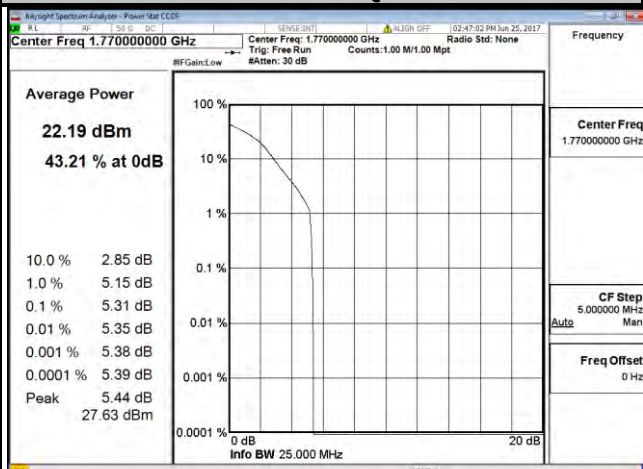


## Spectrum Plot of Worst Value

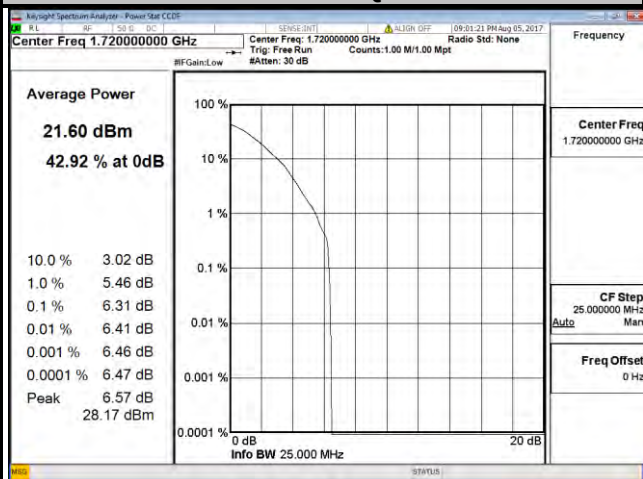
### 20 MHz / QPSK



### 20 MHz / 16QAM



### 20 MHz / 64QAM

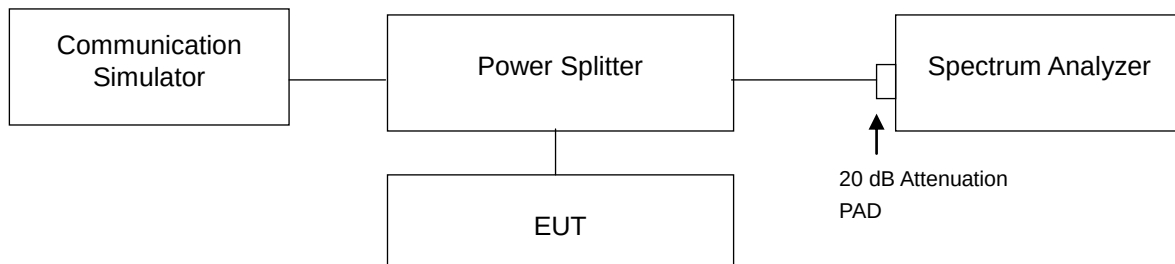


## 4.6 Conducted Spurious Emissions

### 4.6.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log_{10}(P)$  dB. The limit of emission is equal to -13 dBm.

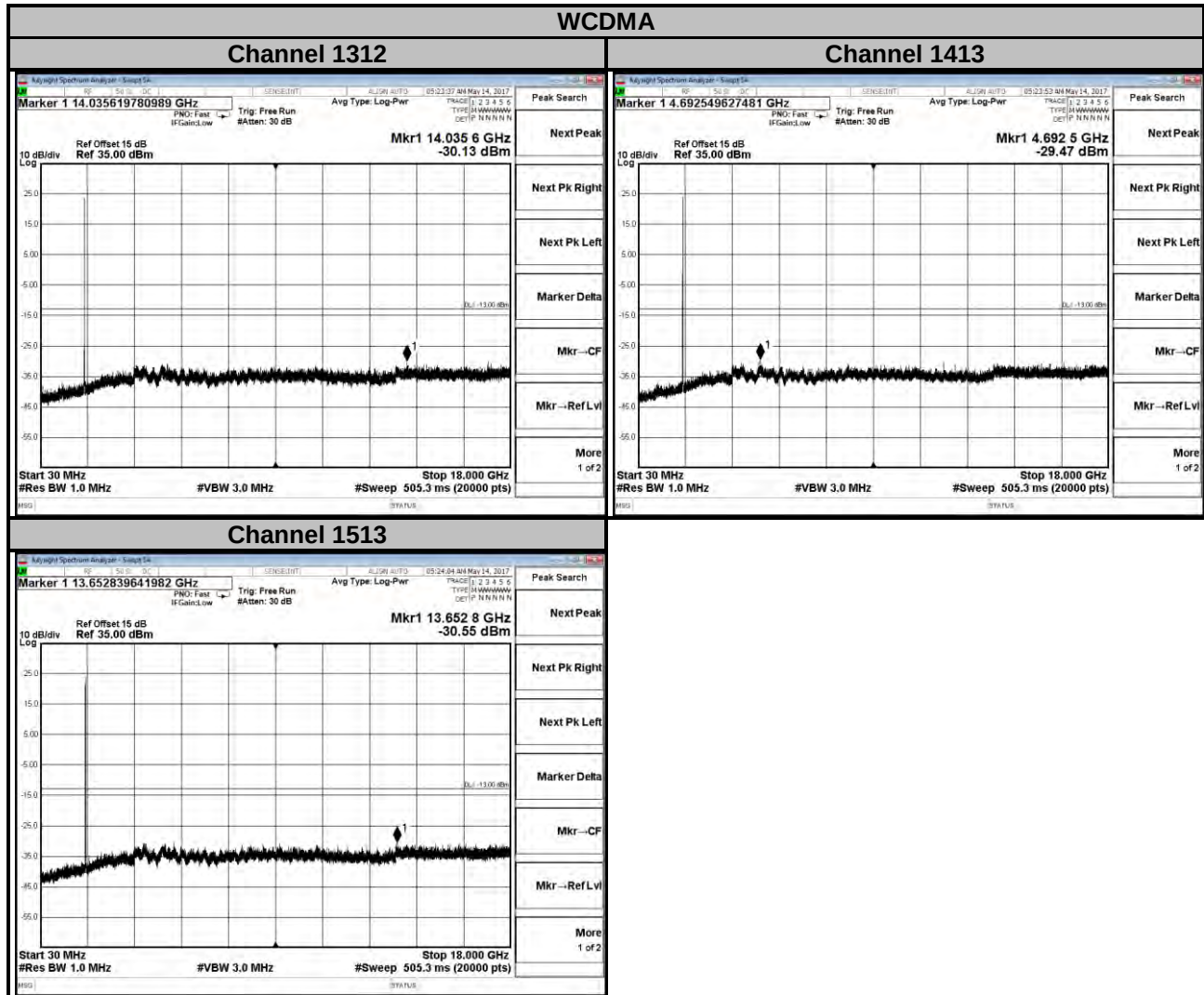
### 4.6.2 Test Setup



### 4.6.3 Test Procedure

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 30 MHz to 8 GHz for LTE Band 12/13/17 and from 30 MHz to 18 GHz for WCDMA and LTE Band 4/66. 10 dB attenuation pad is connected with spectrum. RBW=1 MHz and VBW=3 MHz are used for conducted emission measurement.

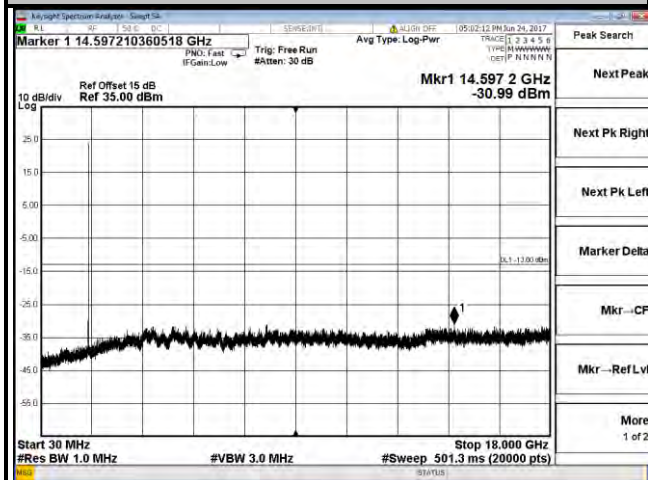
#### 4.6.4 Test Results



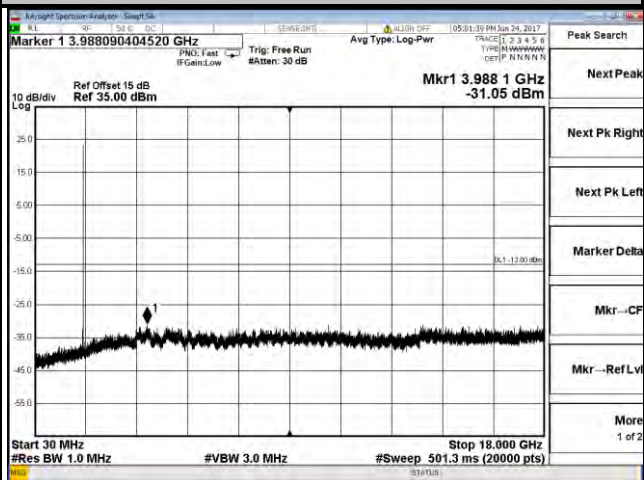
## LTE Band 4

Channel Bandwidth: 1.4 MHz

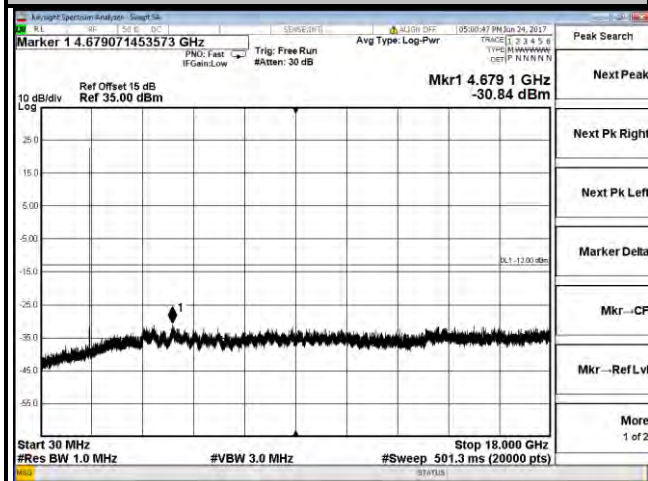
### Channel 19957



### Channel 10175



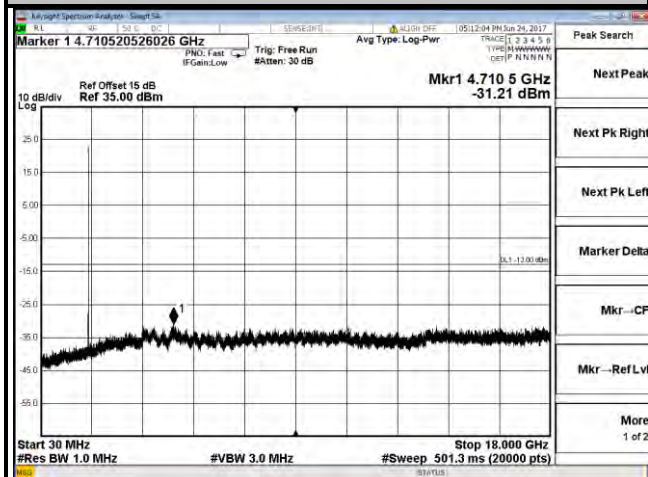
### Channel 20393



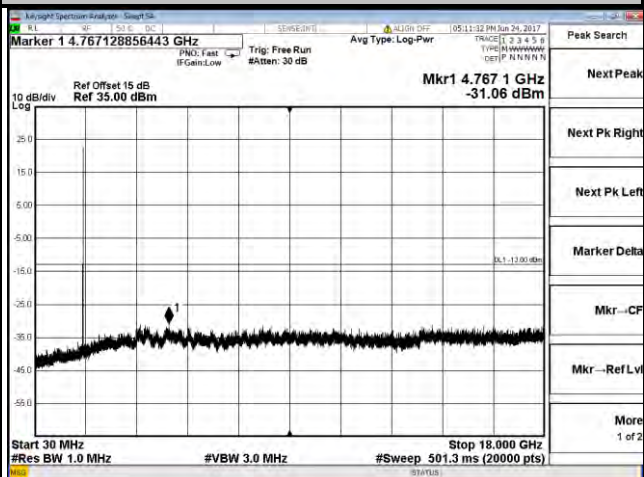
## LTE Band 4

Channel Bandwidth: 3 MHz

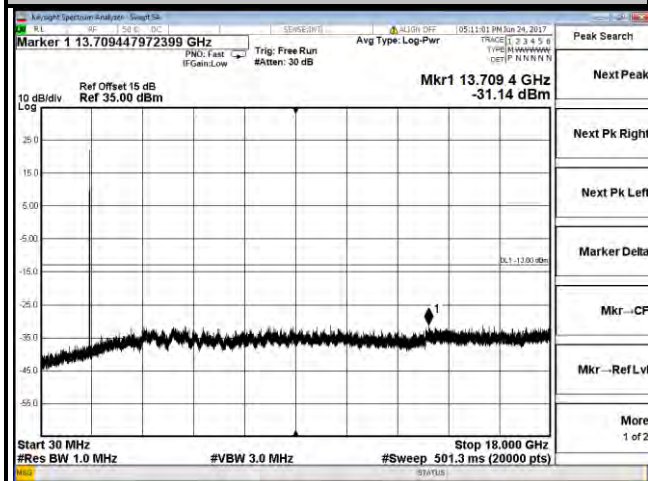
### Channel 19965



### Channel 10715



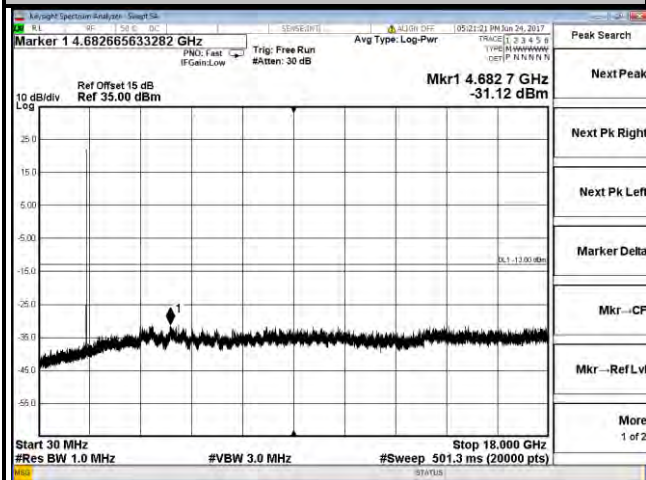
### Channel 20385



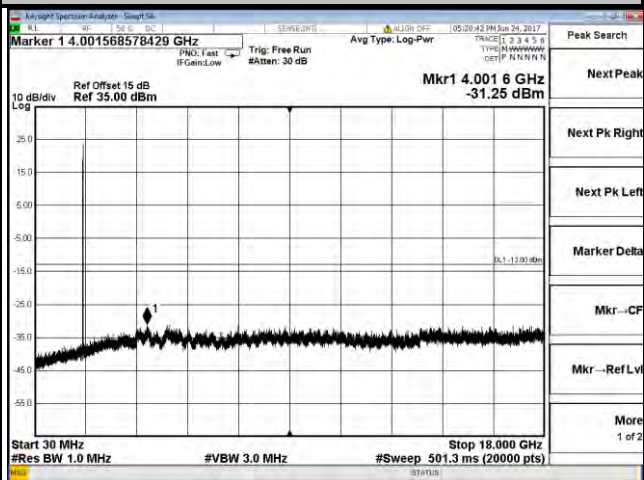
# LTE Band 4

Channel Bandwidth: 5 MHz

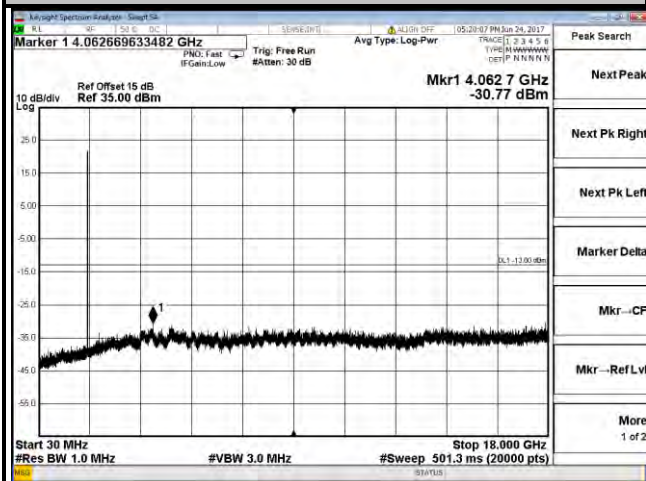
## Channel 19975



## Channel 10175



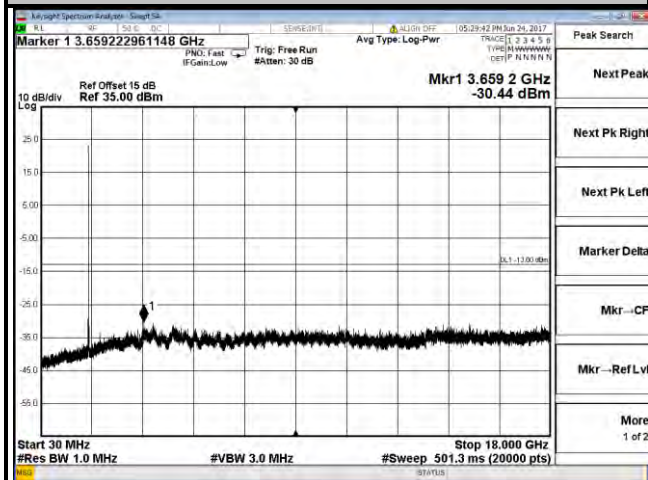
## Channel 20375



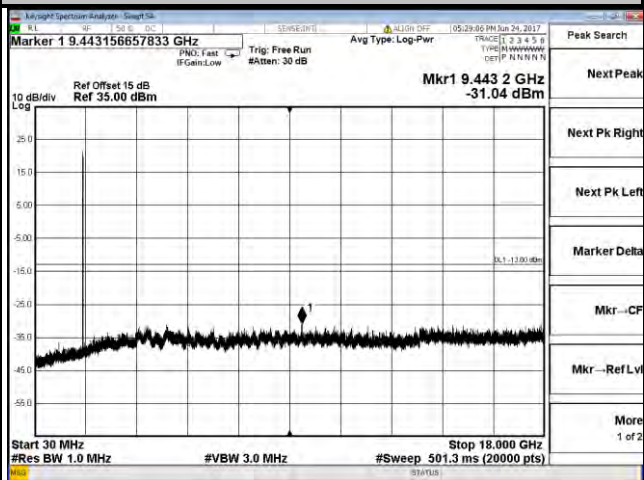
# LTE Band 4

Channel Bandwidth: 10 MHz

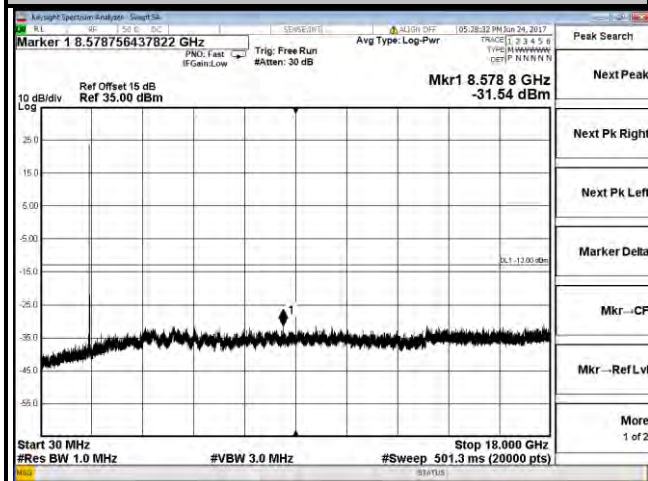
## Channel 20000



## Channel 17175



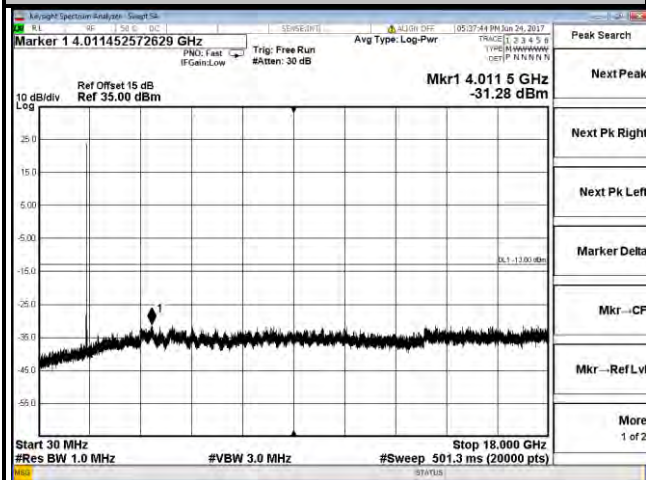
## Channel 20350



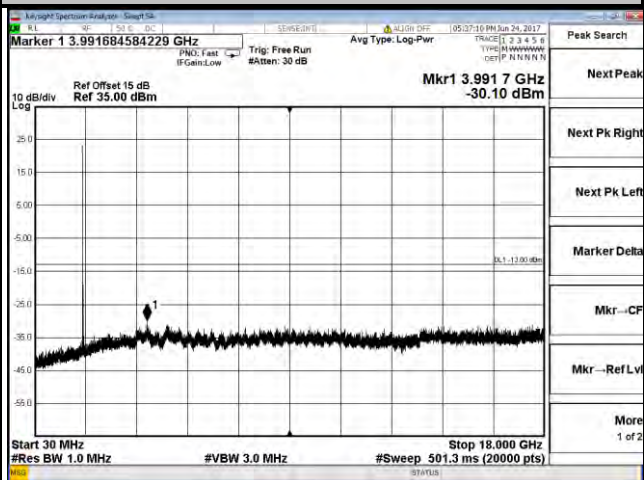
# LTE Band 4

Channel Bandwidth: 15 MHz

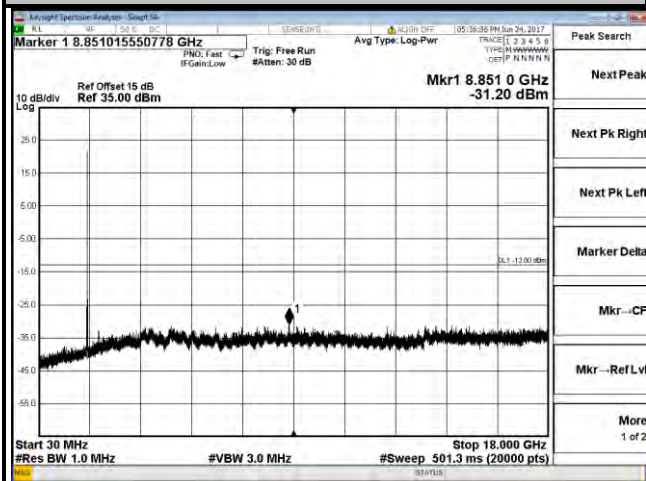
## Channel 20025



## Channel 10175



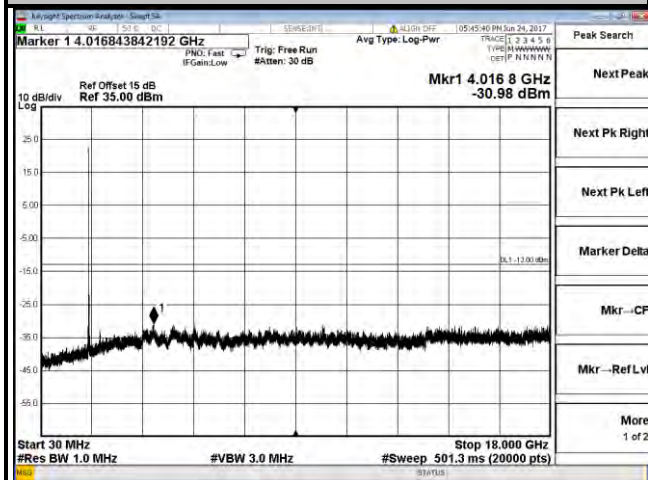
## Channel 20325



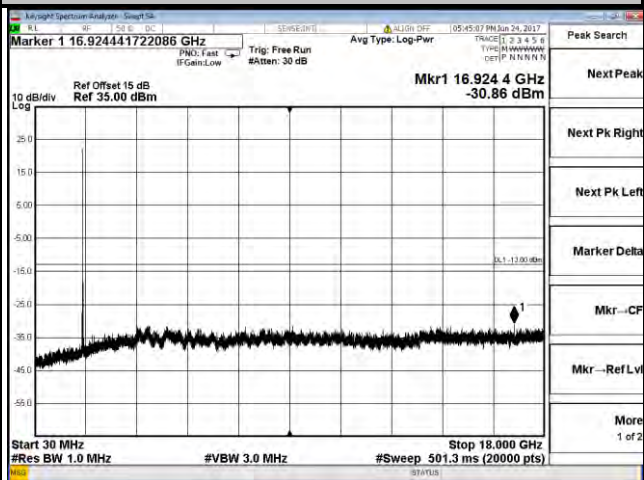
# LTE Band 4

Channel Bandwidth: 20 MHz

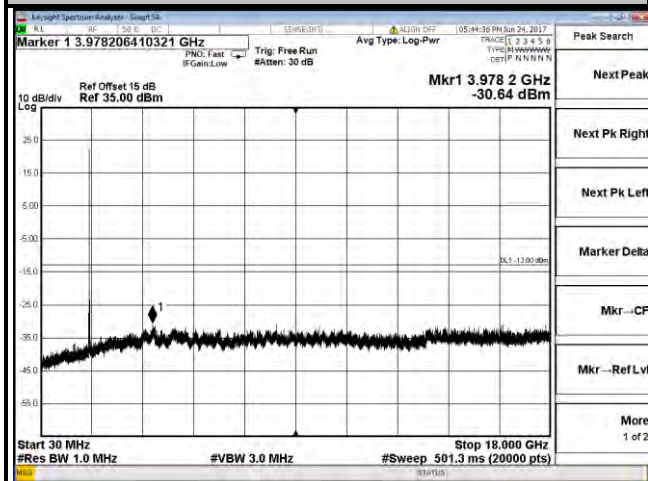
## Channel 20050



## Channel 17175



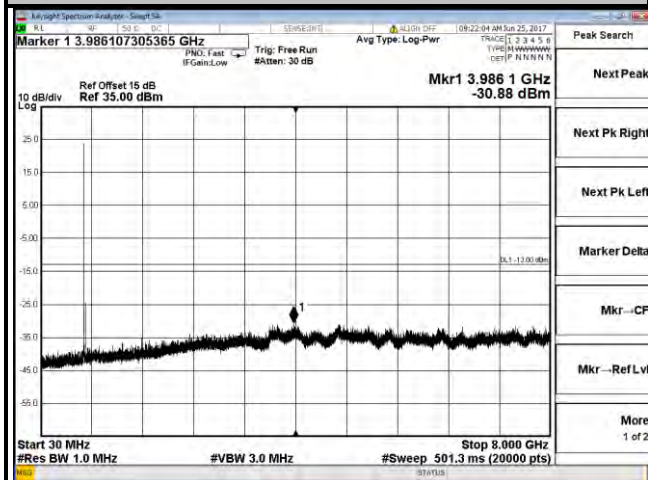
## Channel 20300



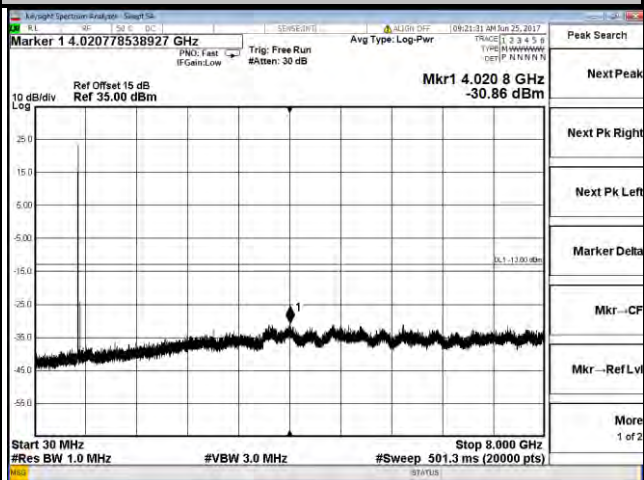
## LTE Band 12

Channel Bandwidth: 1.4 MHz

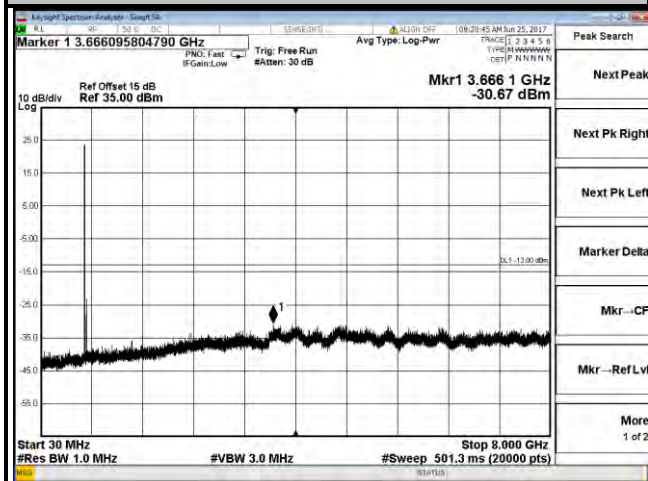
### Channel 23017



### Channel 23095



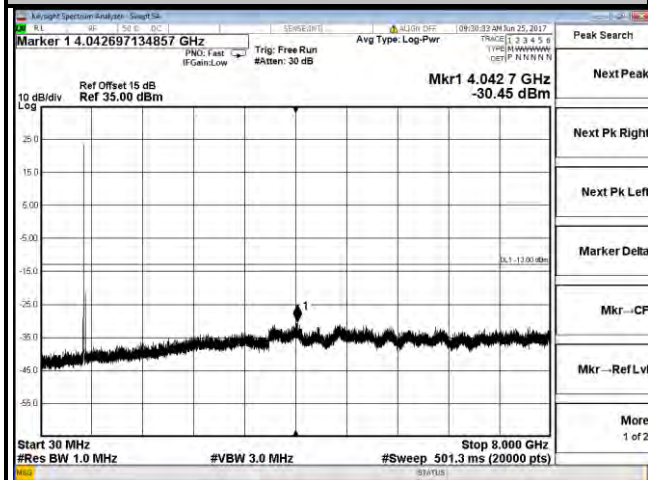
### Channel 23173



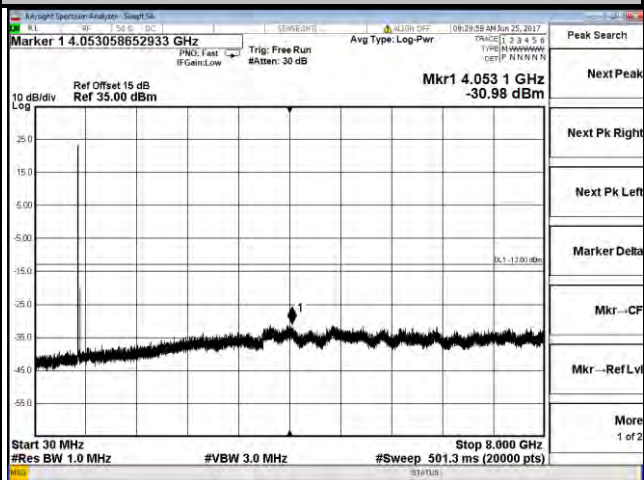
## LTE Band 12

Channel Bandwidth: 3 MHz

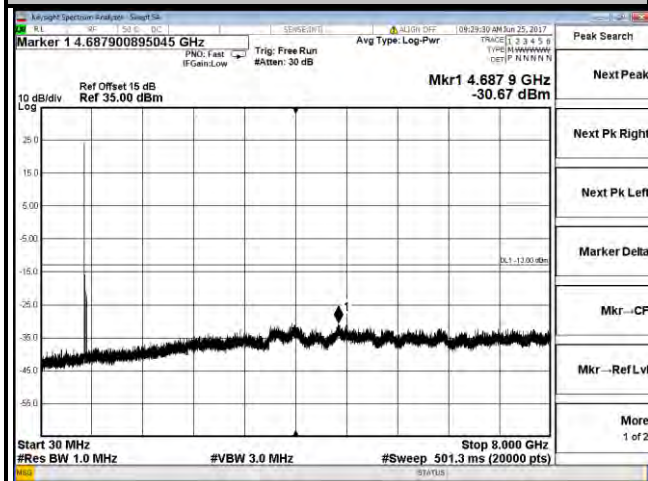
### Channel 23025



### Channel 23095



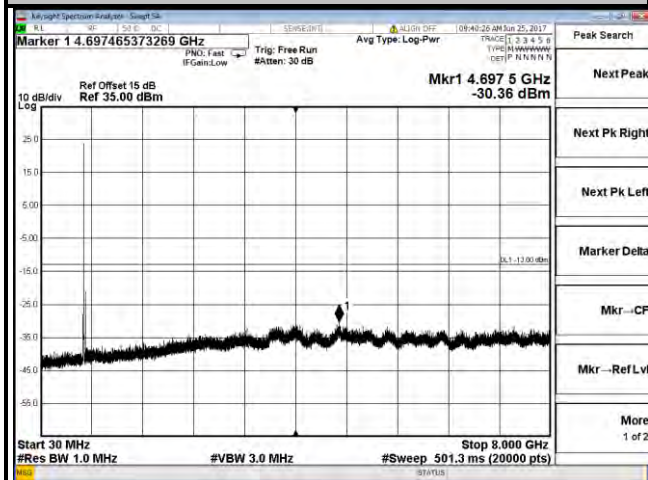
### Channel 23165



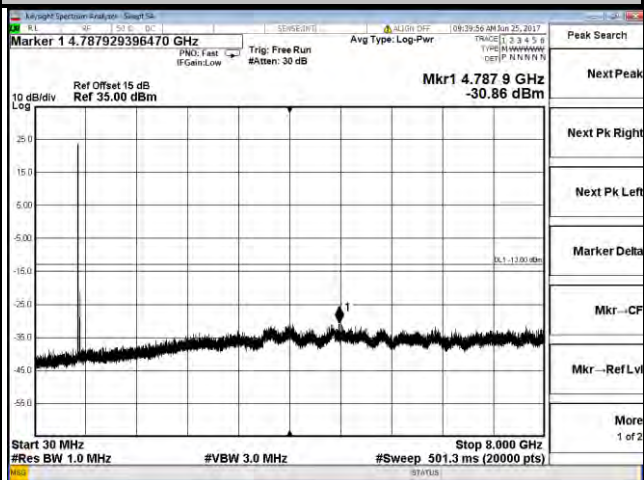
## LTE Band 12

Channel Bandwidth: 5 MHz

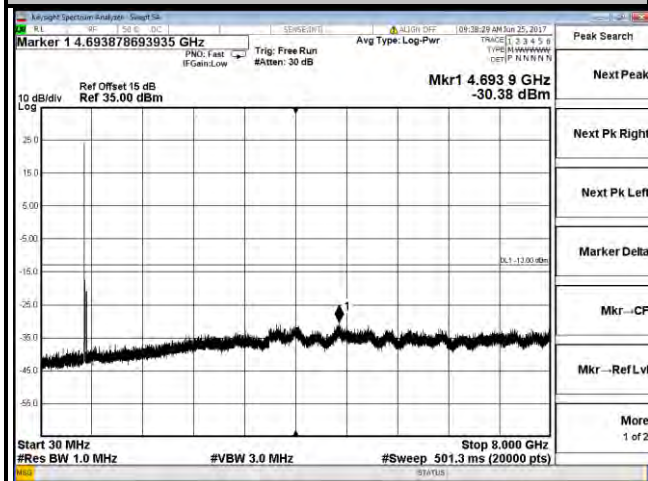
### Channel 23035



### Channel 23095



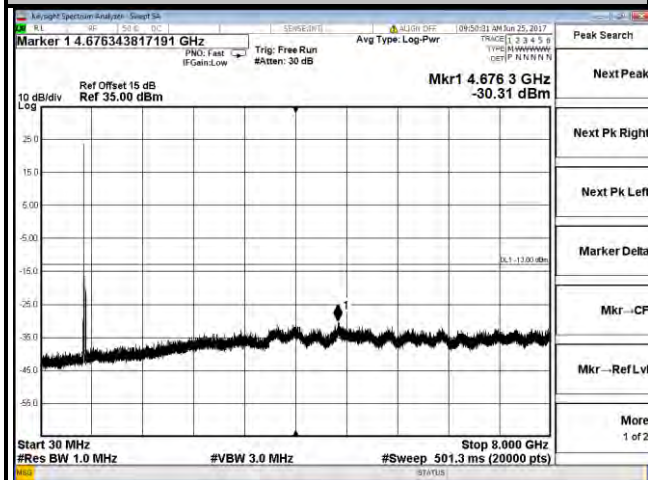
### Channel 23155



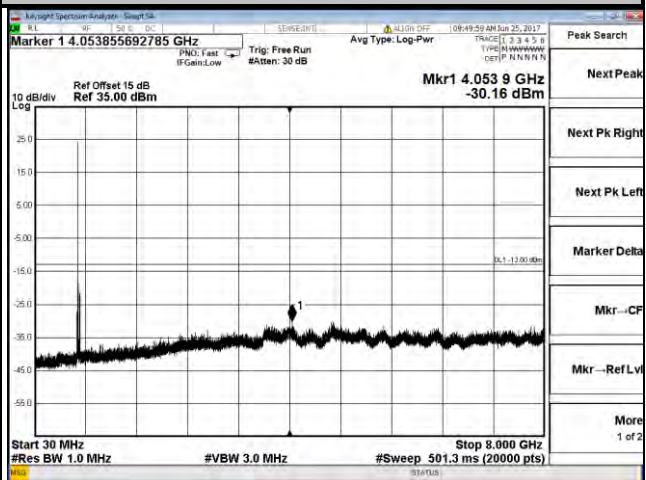
## LTE Band 12

Channel Bandwidth: 10 MHz

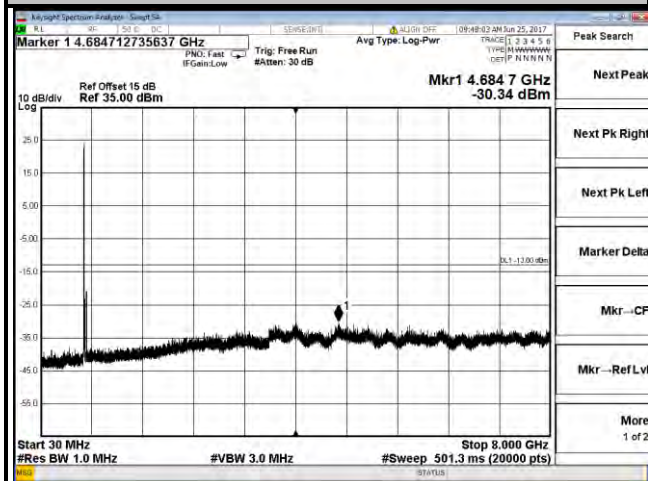
### Channel 23060

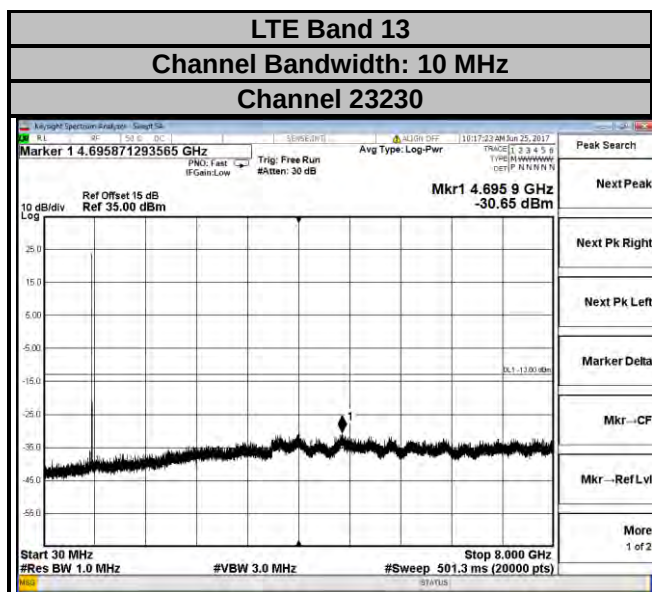
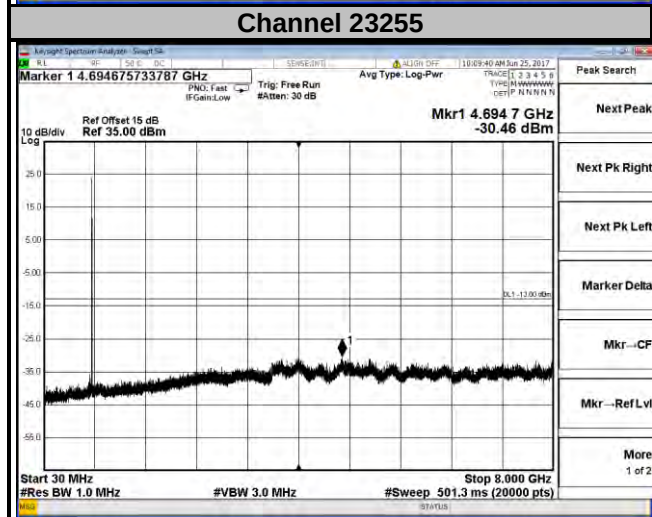
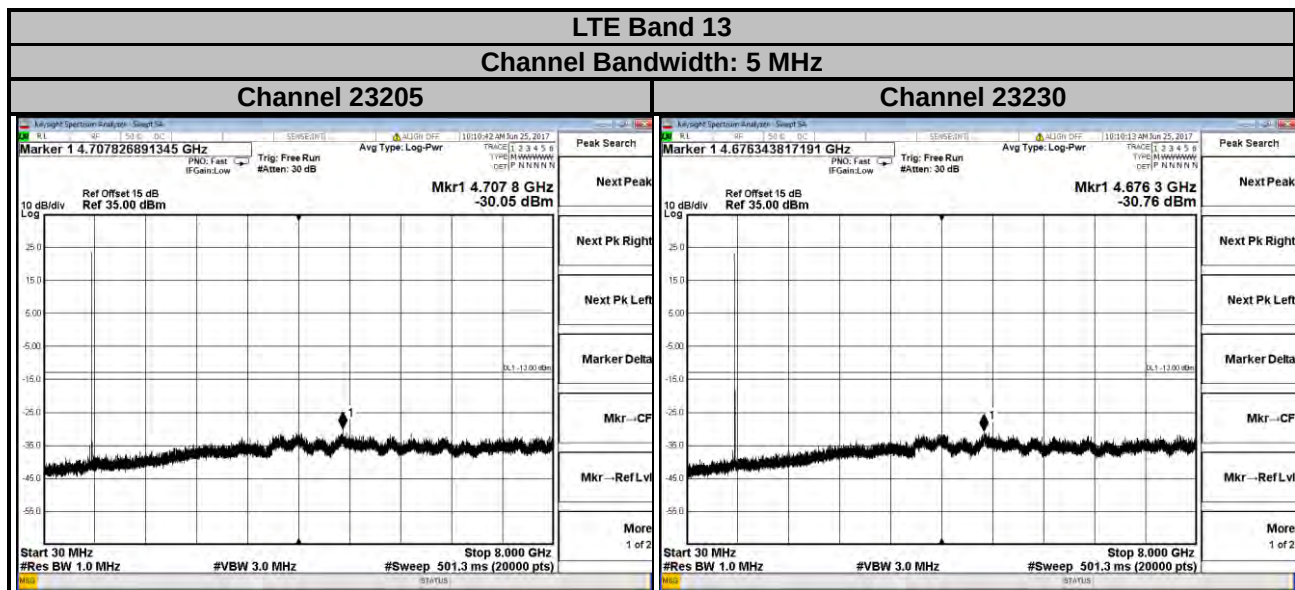


### Channel 23095



### Channel 23130

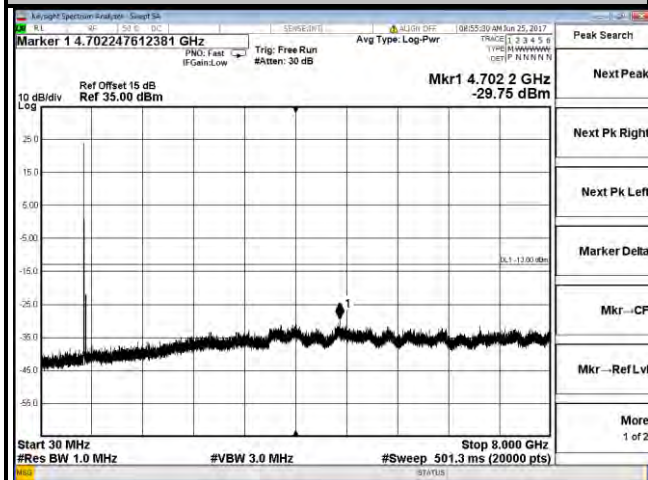




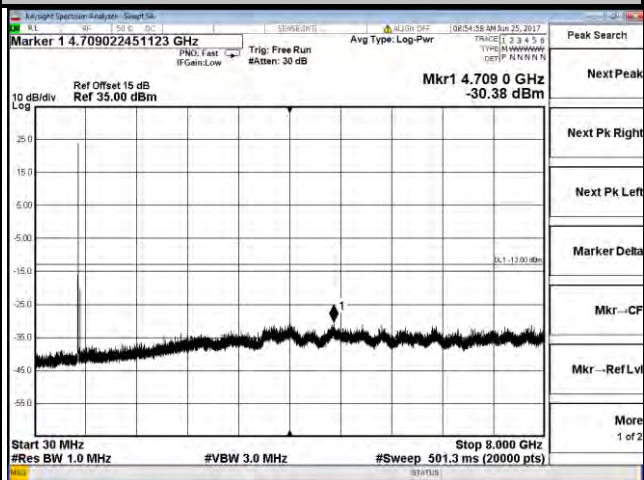
# LTE Band 17

Channel Bandwidth: 5 MHz

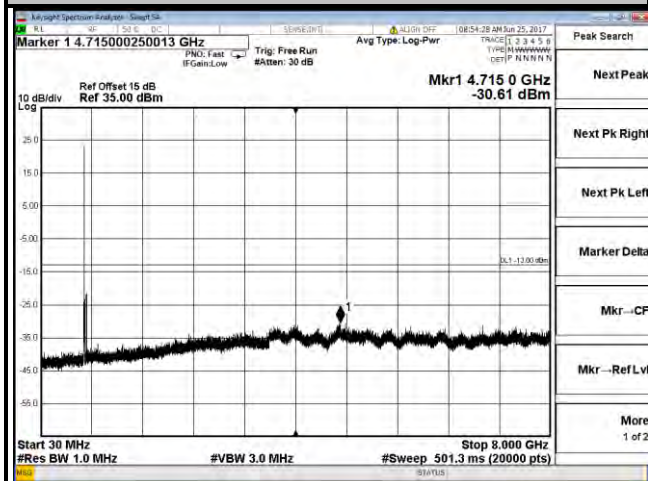
## Channel 23755



## Channel 23790



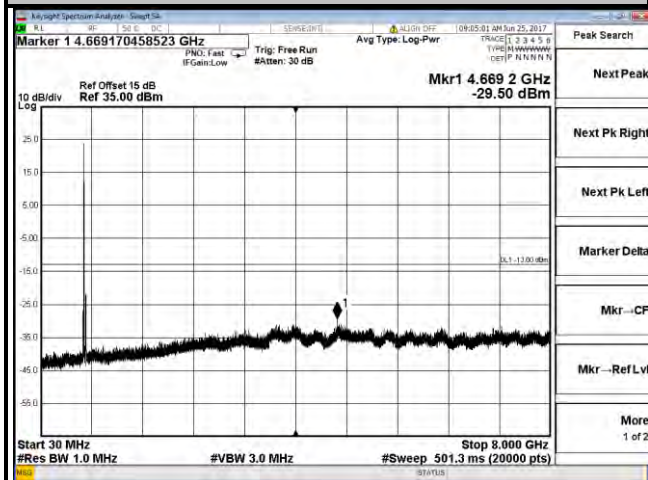
## Channel 23825



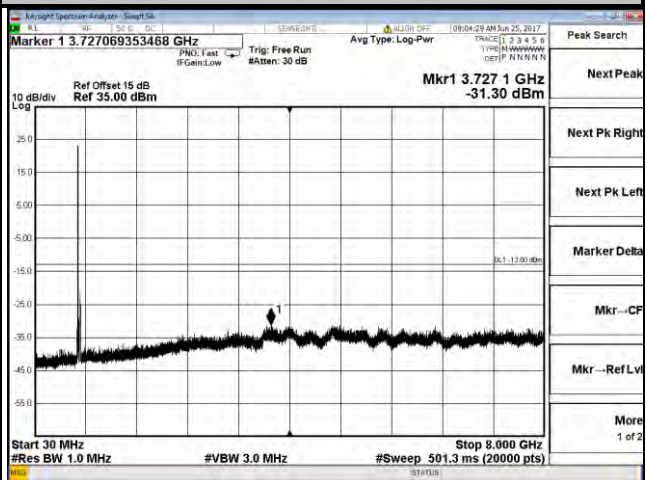
## LTE Band 17

Channel Bandwidth: 10 MHz

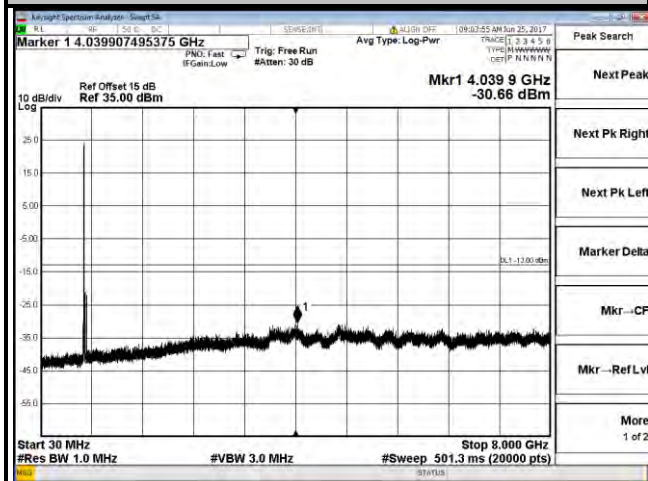
### Channel 23780



### Channel 23790



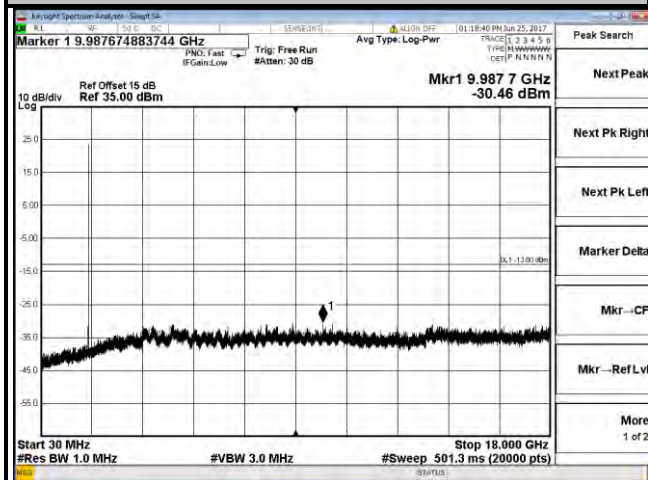
### Channel 23800



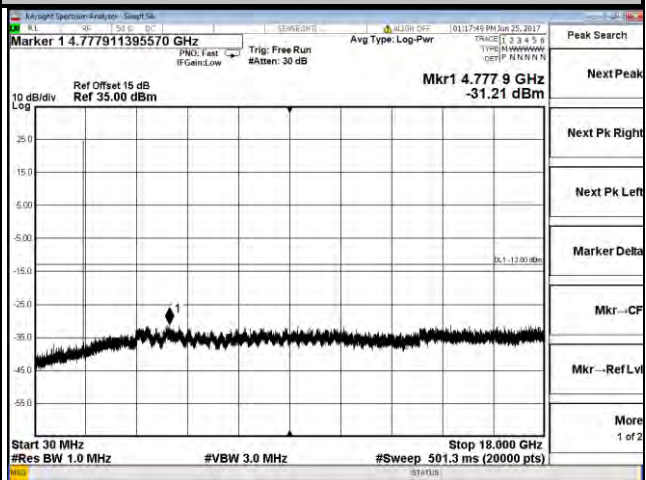
## LTE Band 66

Channel Bandwidth: 1.4 MHz

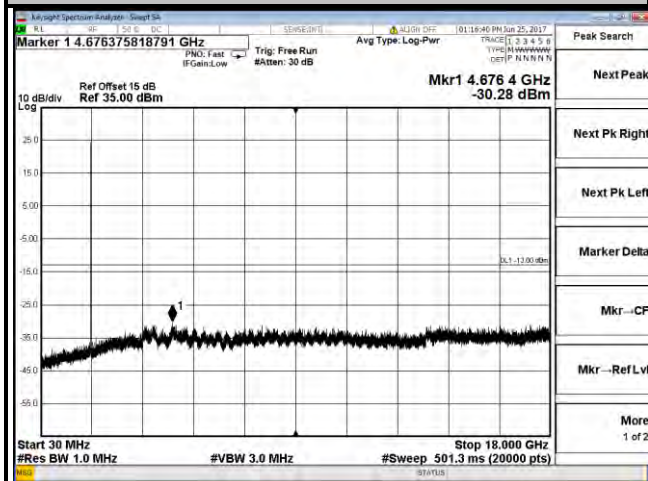
### Channel 131979



### Channel 132322



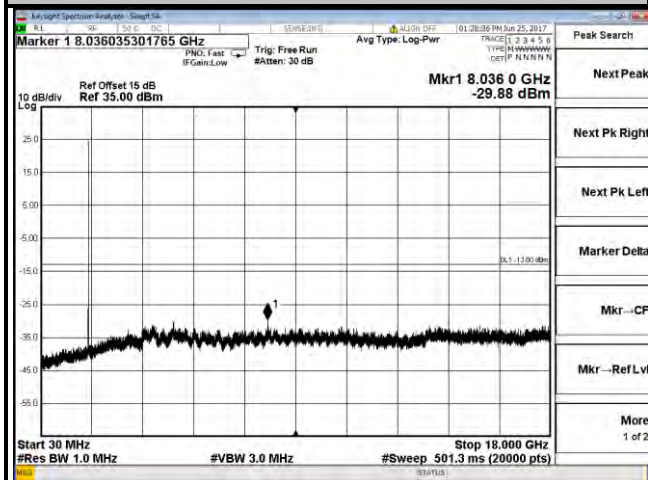
### Channel 132655



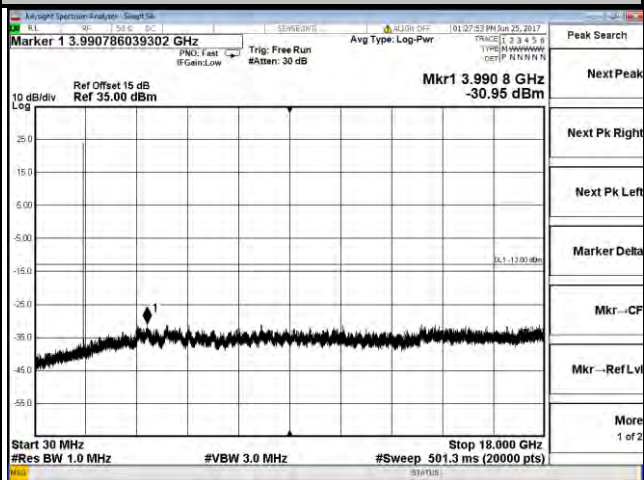
# LTE Band 66

Channel Bandwidth: 3 MHz

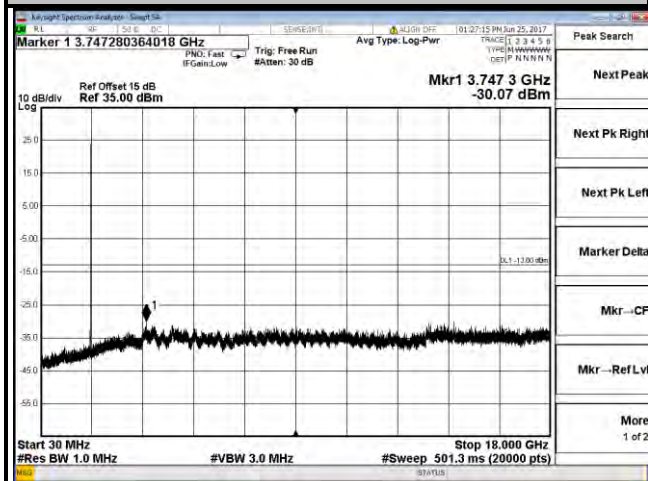
## Channel 131987



## Channel 132322



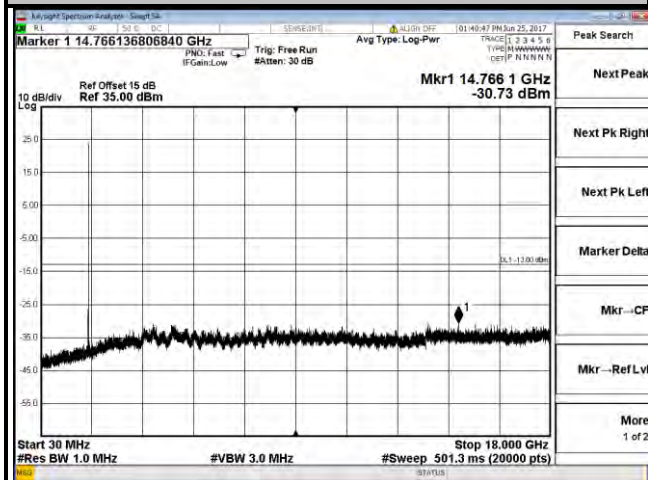
## Channel 132657



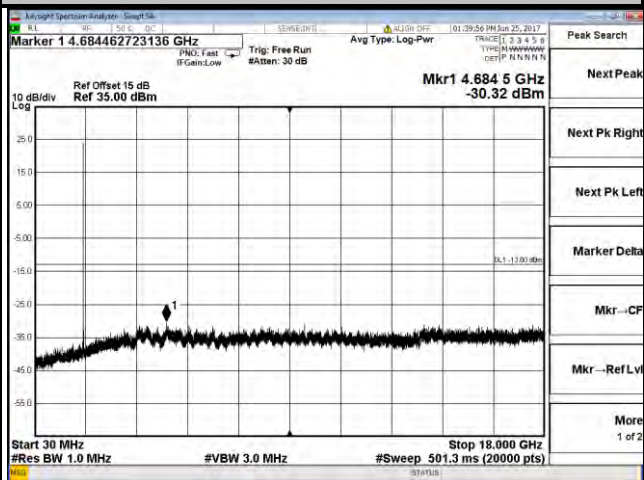
# LTE Band 66

Channel Bandwidth: 5 MHz

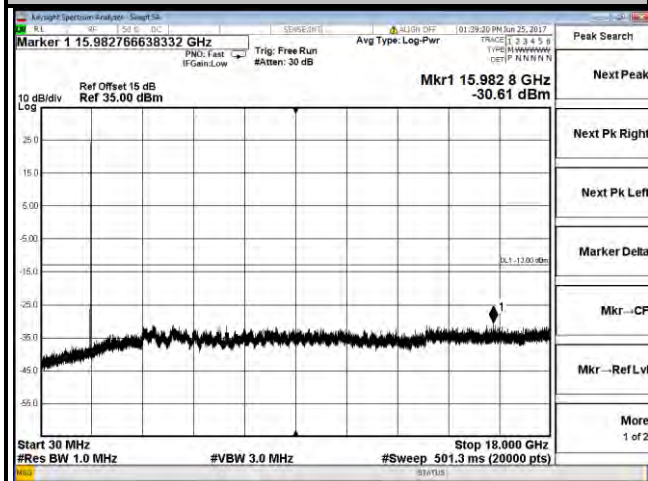
## Channel 131997



## Channel 132322



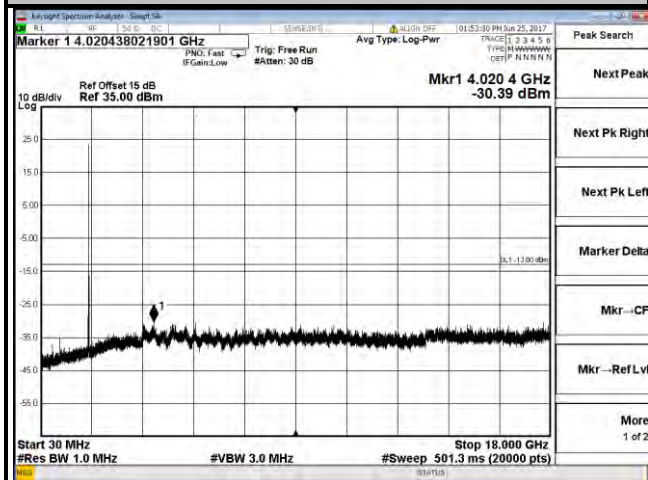
## Channel 132647



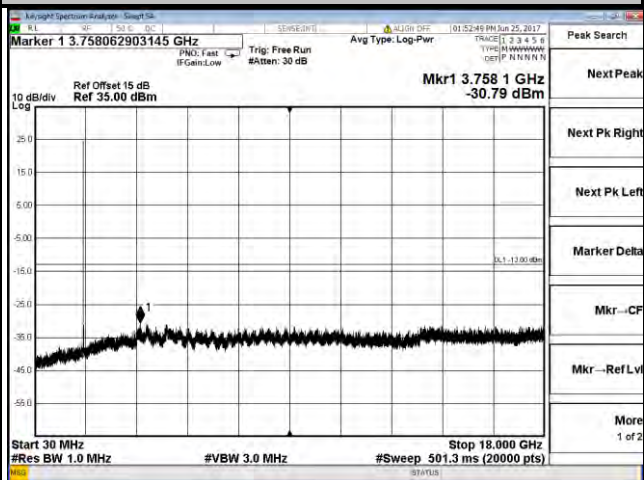
# LTE Band 66

Channel Bandwidth: 10 MHz

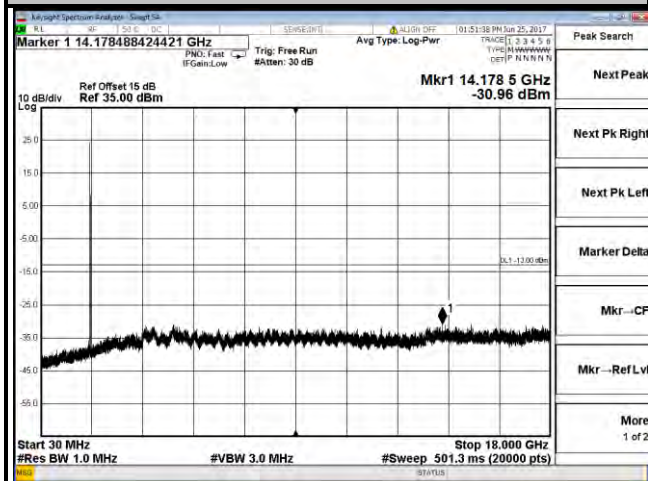
## Channel 132022

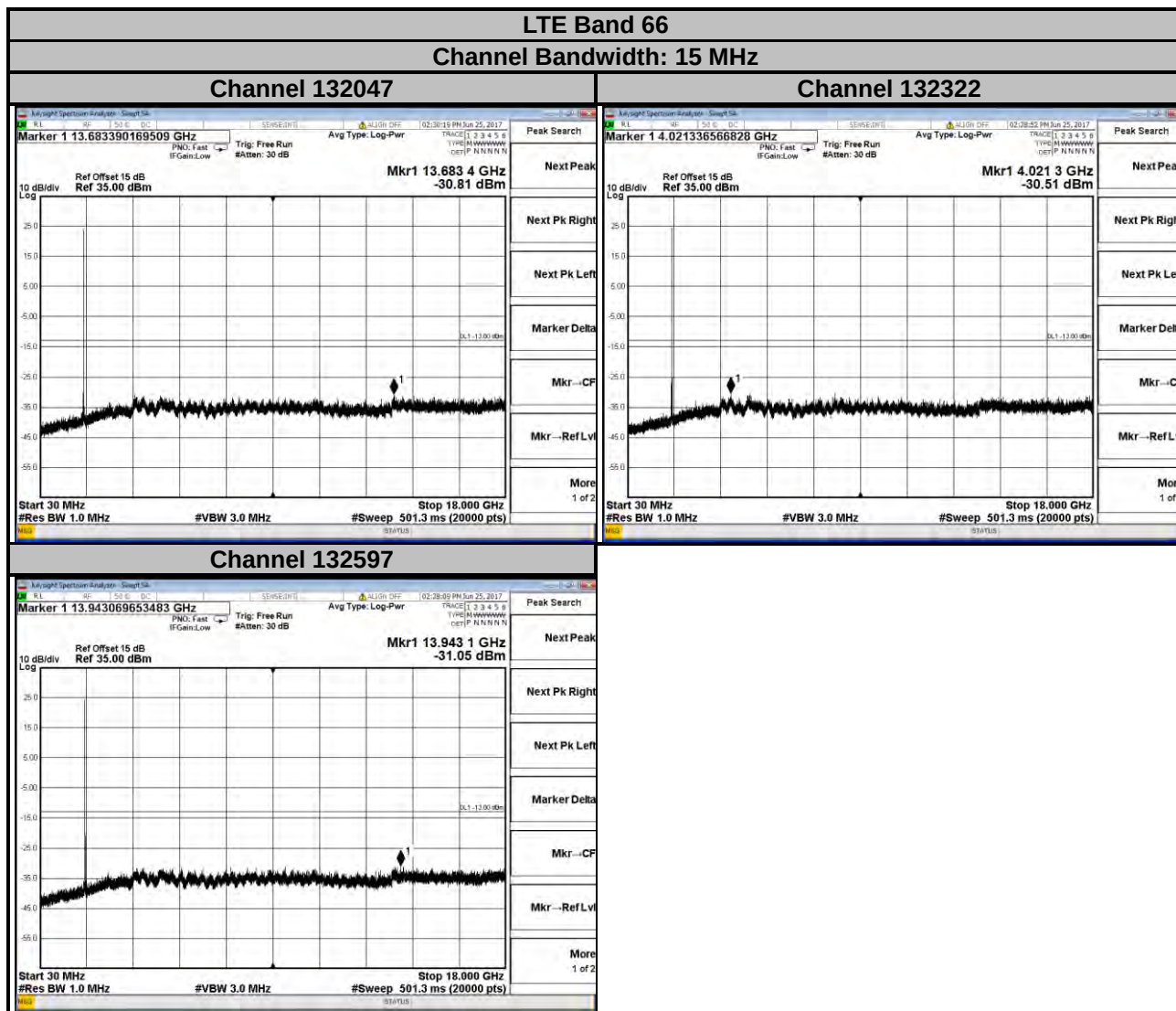


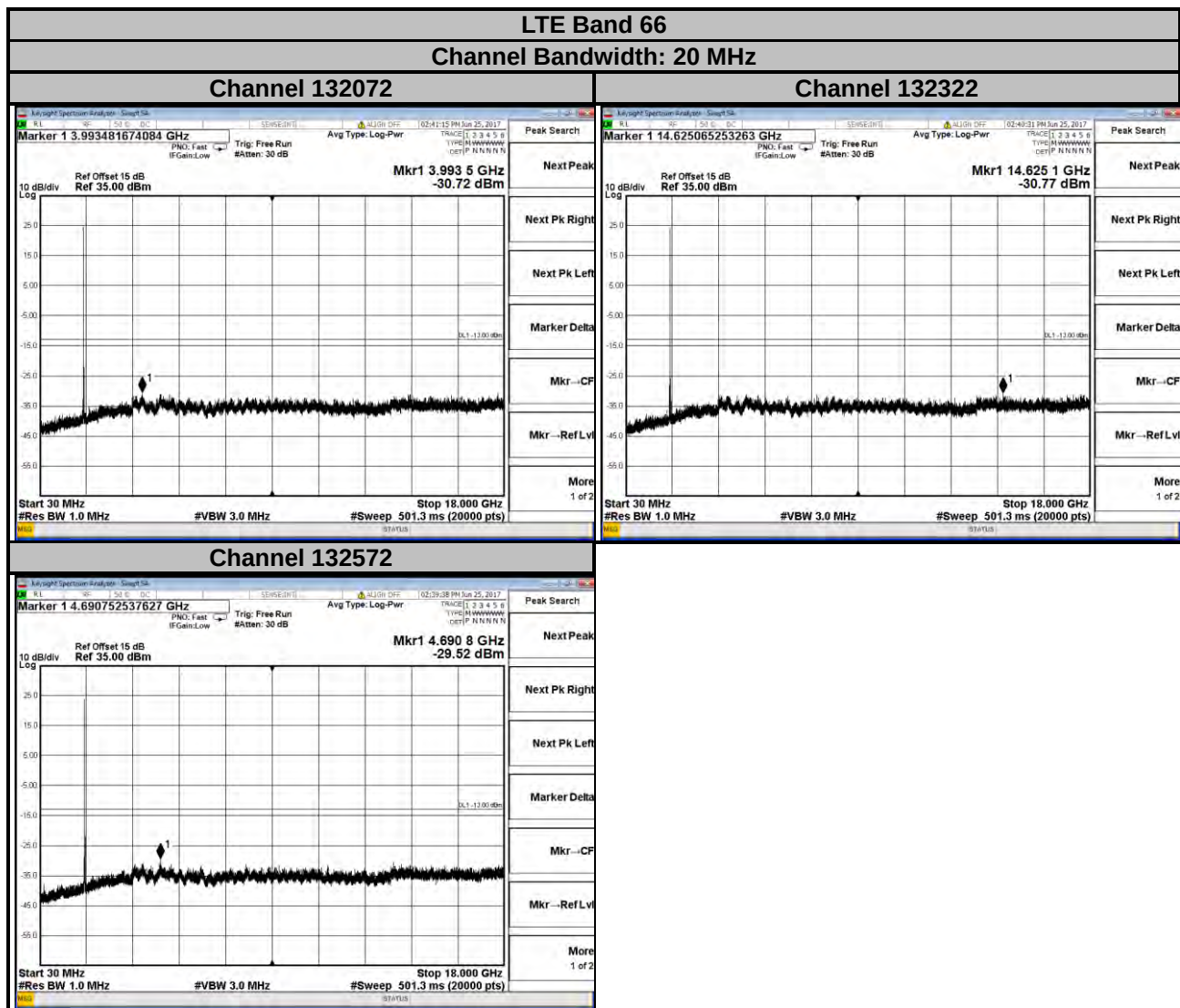
## Channel 132322



## Channel 132622







## 4.7 Radiated Emission Measurement

### 4.7.1 Limits of Radiated Emission Measurement

- a. The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log_{10}(P)$  dB. The limit of emission is equal to -13 dBm.
- b. For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz. The limit of emissions is equal to -40 dBm.

### 4.7.2 Test Procedure

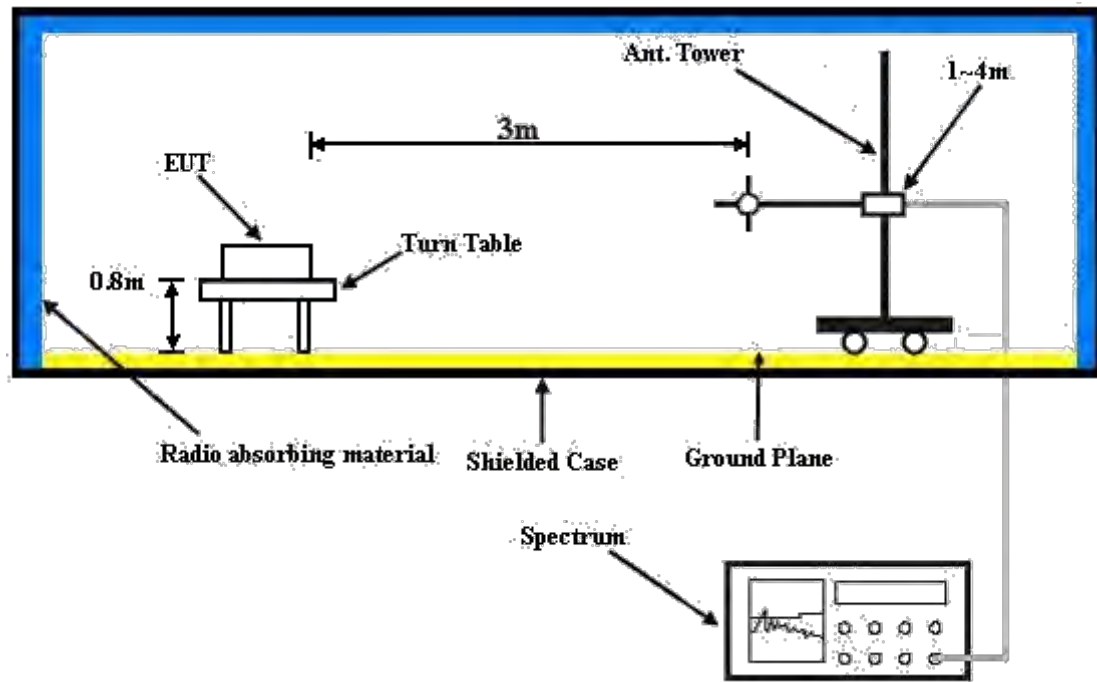
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- c.  $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ .
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15 \text{ dBi}$ .

**Note:** The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

### 4.7.3 Deviation from Test Standard

No deviation.

#### 4.7.4 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.7.5 Test Results

Mode A

WCDMA:

Low Channel

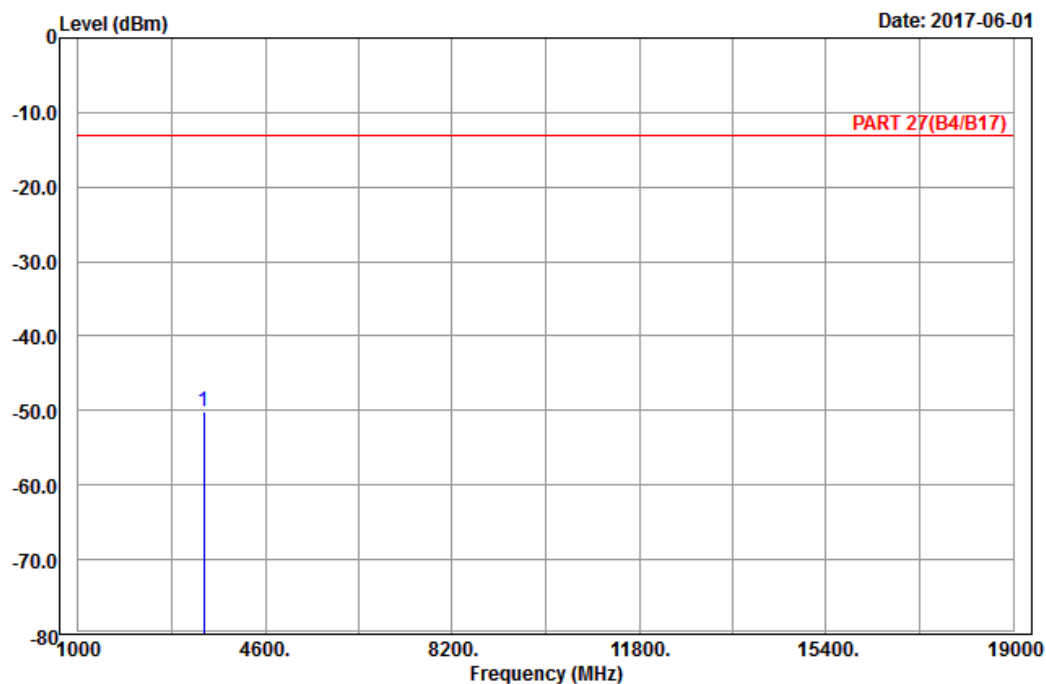


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2017-06-01



Site : 966 chamber 1

Condition: PART 27(B4/B17) Horizontal

Remark : Band IV\_Link\_CH1312

Tested by: Charles Hsiao

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3424.80 | -50.21 | -64.58 | -13.00 | -37.21 | 14.37  | Peak   |

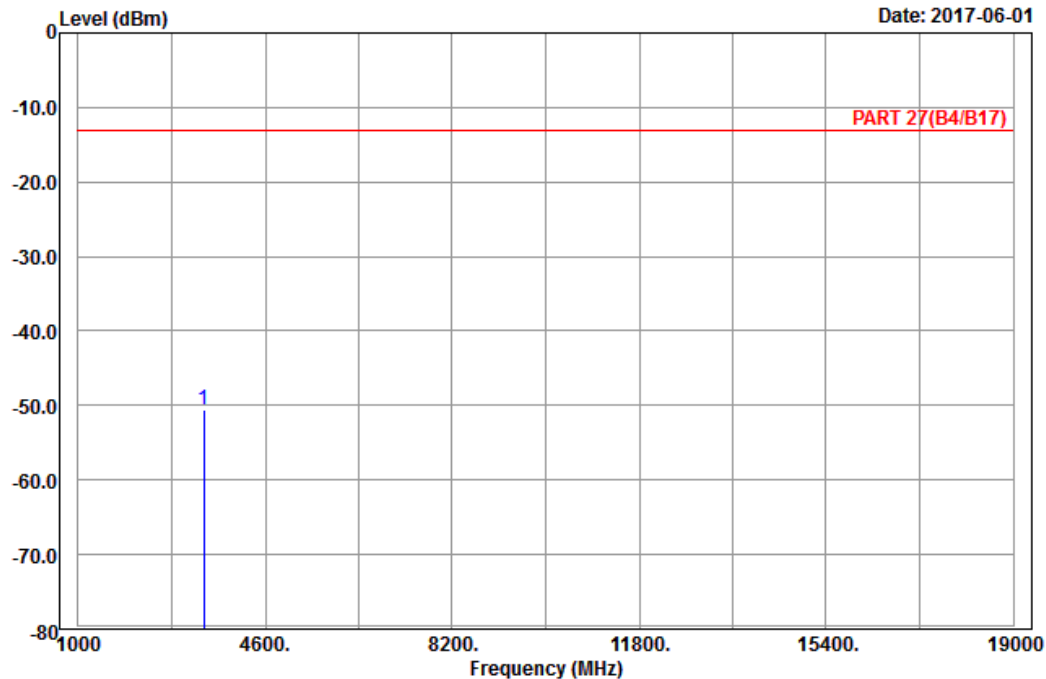


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-06-01



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : Band IV\_Link\_CH1312  
Tested by: Charles Hsiao

|              |        |        | Read   | Limit  | Over   |        |  |
|--------------|--------|--------|--------|--------|--------|--------|--|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |  |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |  |
| 1 pp 3424.80 | -50.60 | -64.97 | -13.00 | -37.60 | 14.37  | Peak   |  |

# Middle Channel

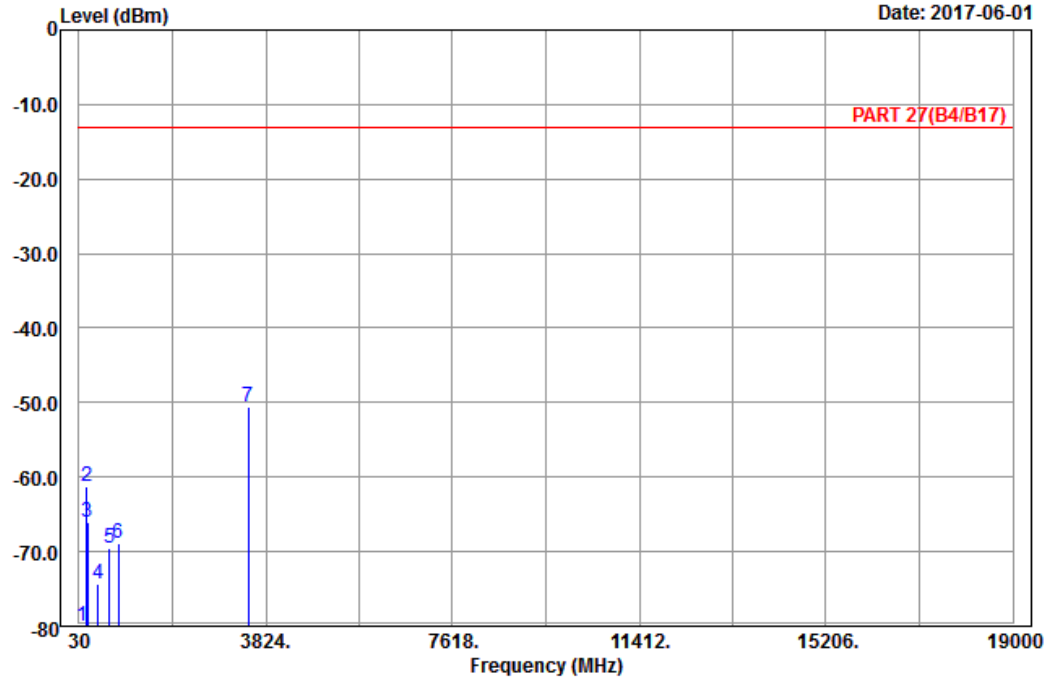


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13

Date: 2017-06-01



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : Band IV\_Link\_CH1413  
Tested by: Charles Hsiao

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 89.67   | -79.92 | -69.25     | -13.00     | -66.92     | -10.67 | Peak   |
| 2    | 183.63  | -61.30 | -55.68     | -13.00     | -48.30     | -5.62  | Peak   |
| 3    | 203.88  | -66.15 | -60.02     | -13.00     | -53.15     | -6.13  | Peak   |
| 4    | 414.10  | -74.26 | -71.20     | -13.00     | -61.26     | -3.06  | Peak   |
| 5    | 648.60  | -69.49 | -69.37     | -13.00     | -56.49     | -0.12  | Peak   |
| 6    | 832.70  | -68.87 | -70.51     | -13.00     | -55.87     | 1.64   | Peak   |
| 7 pp | 3465.20 | -50.47 | -64.81     | -13.00     | -37.47     | 14.34  | Peak   |

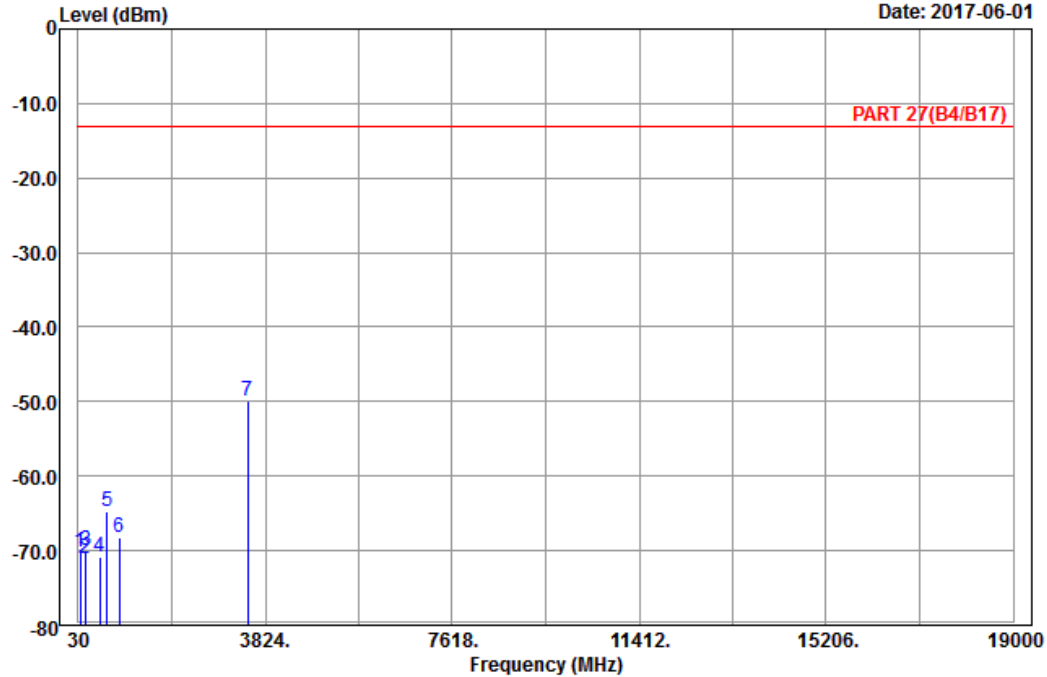


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A D T

Data: 14

Date: 2017-06-01



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : Band IV\_Link\_CH1413  
Tested by: Charles Hsiao

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 78.06   | -70.17 | -58.24     | -13.00     | -57.17     | -11.93 | Peak   |
| 2    | 169.59  | -71.11 | -64.40     | -13.00     | -58.11     | -6.71  | Peak   |
| 3    | 181.47  | -69.95 | -64.36     | -13.00     | -56.95     | -5.59  | Peak   |
| 4    | 468.70  | -70.94 | -66.57     | -13.00     | -57.94     | -4.37  | Peak   |
| 5    | 610.80  | -64.78 | -65.09     | -13.00     | -51.78     | 0.31   | Peak   |
| 6    | 859.30  | -68.28 | -70.00     | -13.00     | -55.28     | 1.72   | Peak   |
| 7 pp | 3465.20 | -49.82 | -64.16     | -13.00     | -36.82     | 14.34  | Peak   |

# High Channel

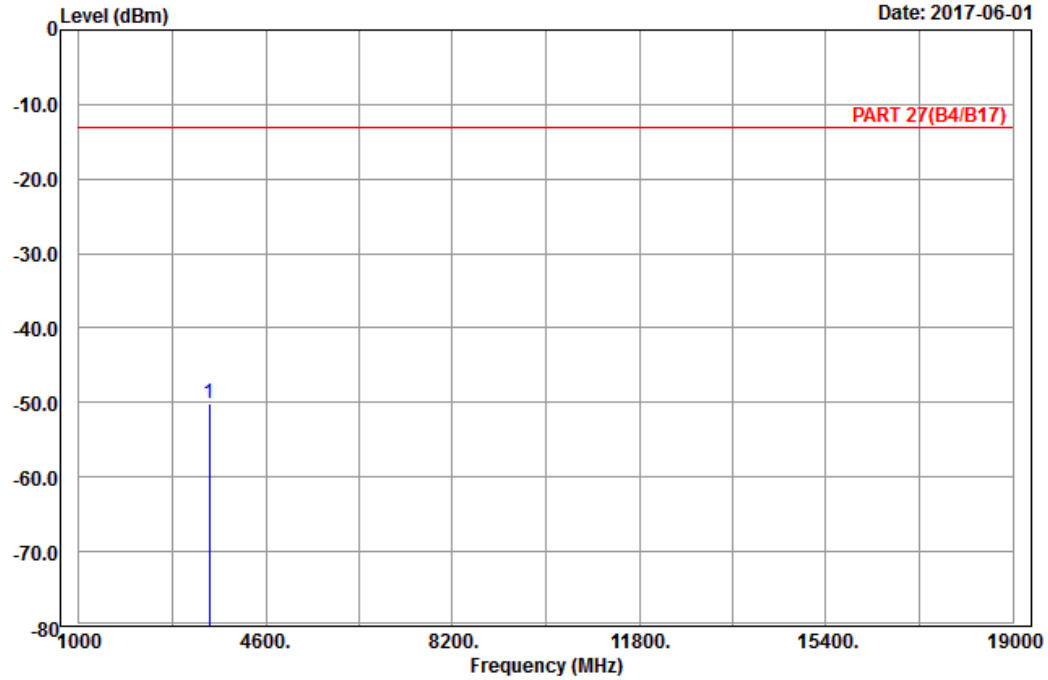


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A D T

Data: 9

Date: 2017-06-01



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : Band IV\_Link\_CH1513  
Tested by: Charles Hsiao

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3505.20 | -50.15 | -64.43 | -13.00 | -37.15 | 14.28  | Peak   |

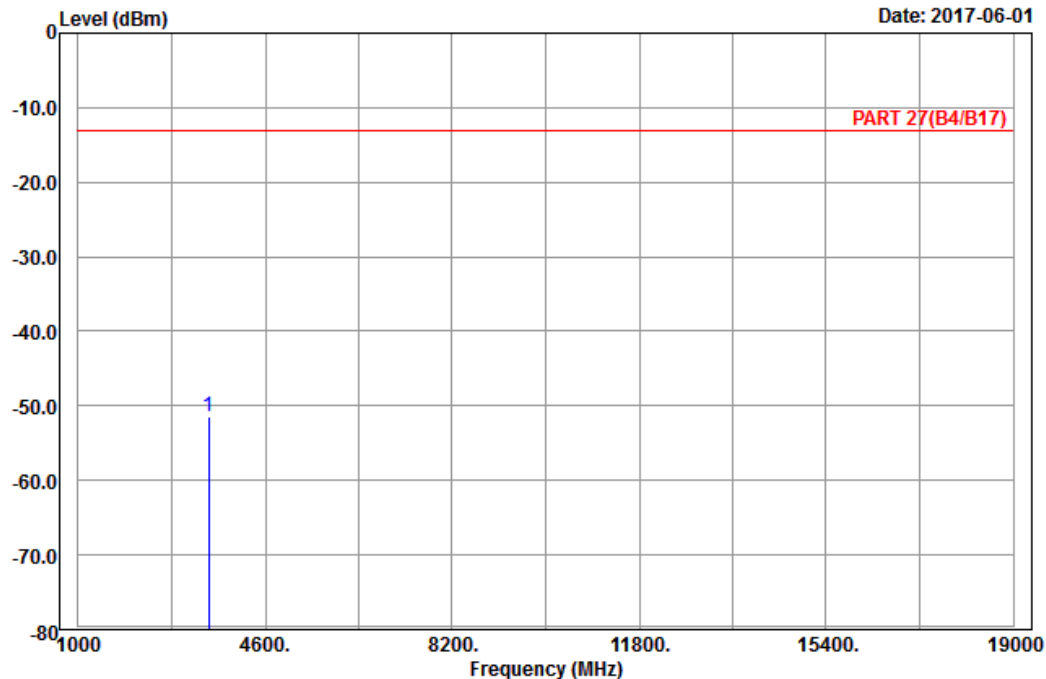


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A D T

Data: 10

Date: 2017-06-01



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : Band IV\_Link\_CH1513  
Tested by: Charles Hsiao

|              |        |        | Read   | Limit  | Over   |        |  |
|--------------|--------|--------|--------|--------|--------|--------|--|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |  |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |  |
| 1 pp 3505.20 | -51.34 | -65.62 | -13.00 | -38.34 | 14.28  | Peak   |  |

LTE Band 4  
Channel Bandwidth: 20 MHz / QPSK  
Low Channel

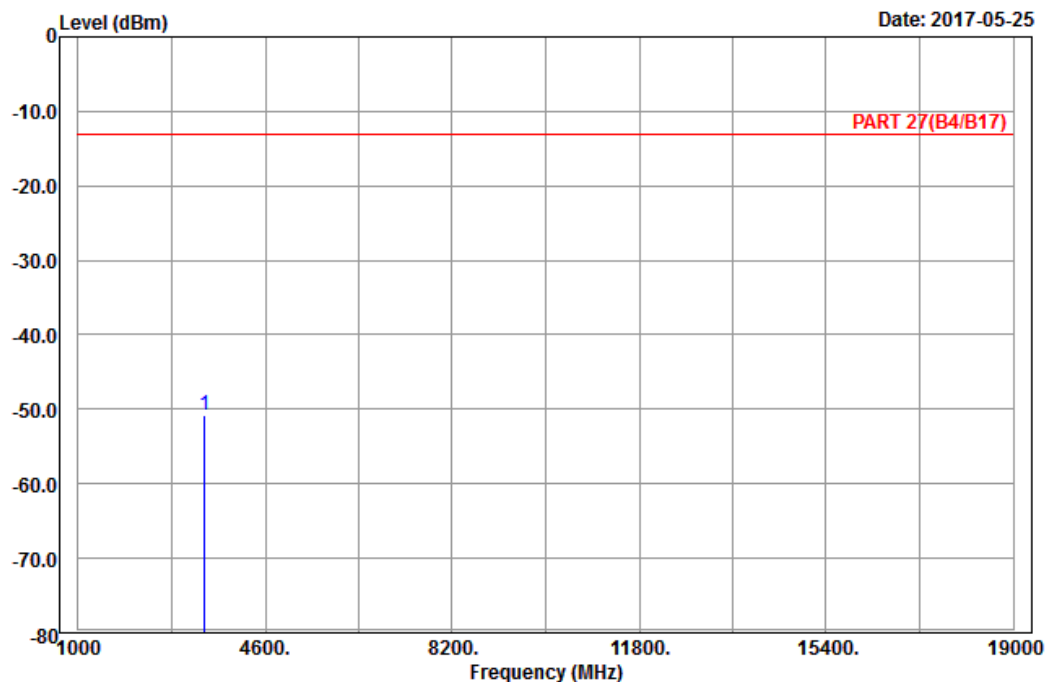


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A D T

Data: 9

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : LTE\_Band 4\_Link\_CH20050  
Tested by: Charles Hsiao

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3440.00 | -50.72 | -65.07 | -13.00 | -37.72 | 14.35  | Peak   |

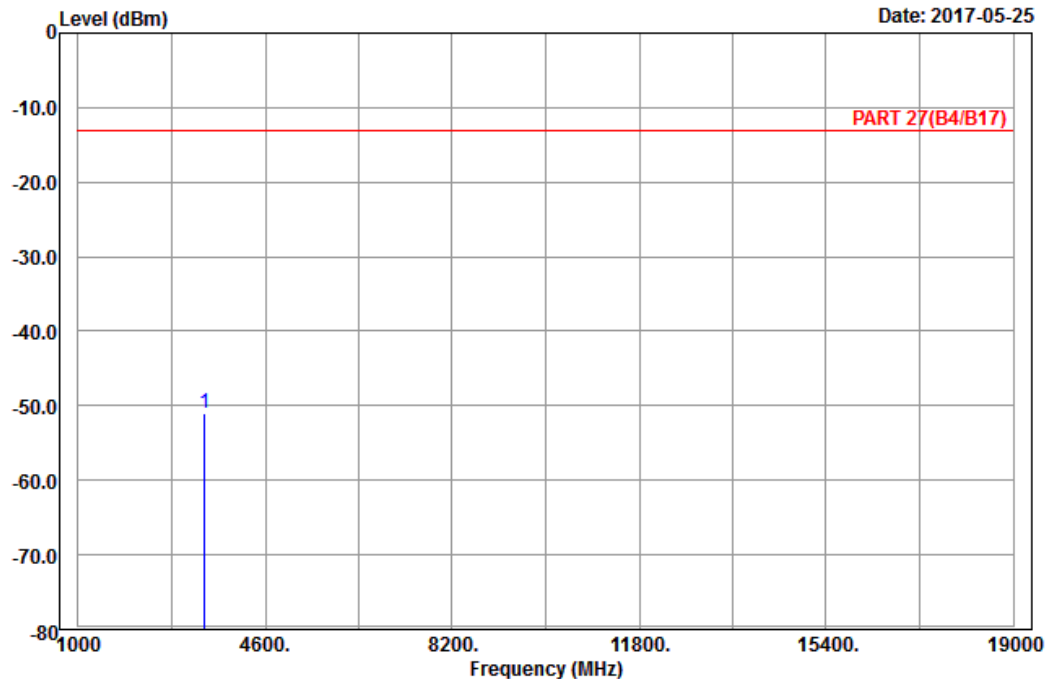


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : LTE\_Band 4\_Link\_CH20050  
Tested by: Charles Hsiao

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3440.00 | -50.96 | -65.31 | -13.00 | -37.96 | 14.35  | Peak   |

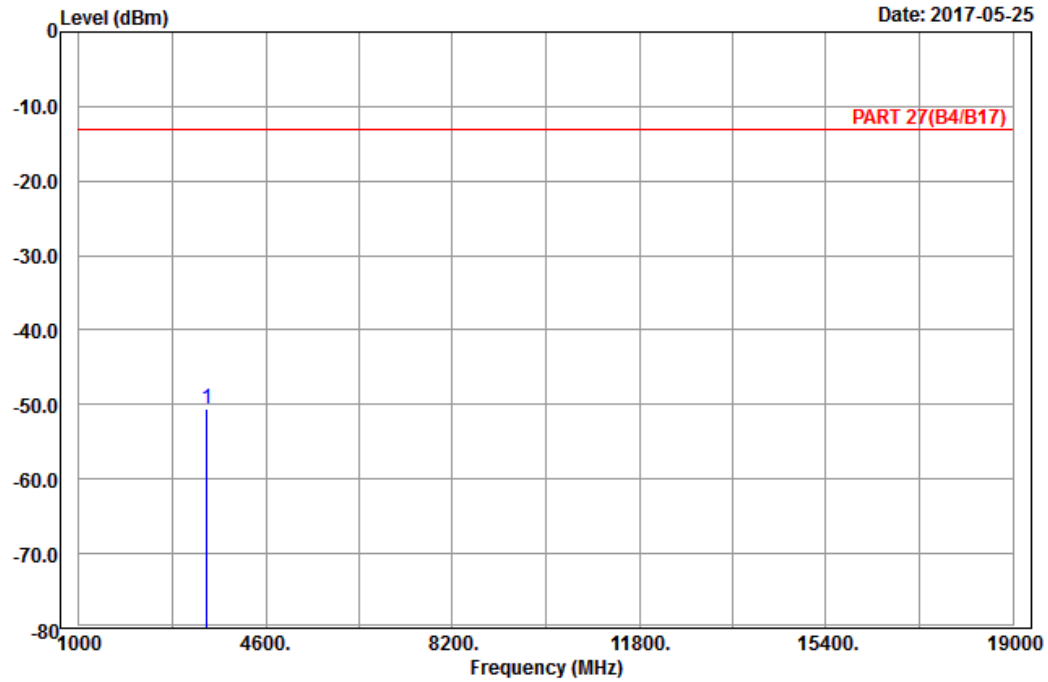
# Middle Channel



Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : LTE\_Band 4\_Link\_CH20175  
Tested by: Charles Hsiao

| Freq         | Level  | Read   | Limit  | Over   | Factor | Remark |
|--------------|--------|--------|--------|--------|--------|--------|
|              |        | Level  | Line   | Limit  |        |        |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3465.00 | -50.50 | -64.84 | -13.00 | -37.50 | 14.34  | Peak   |

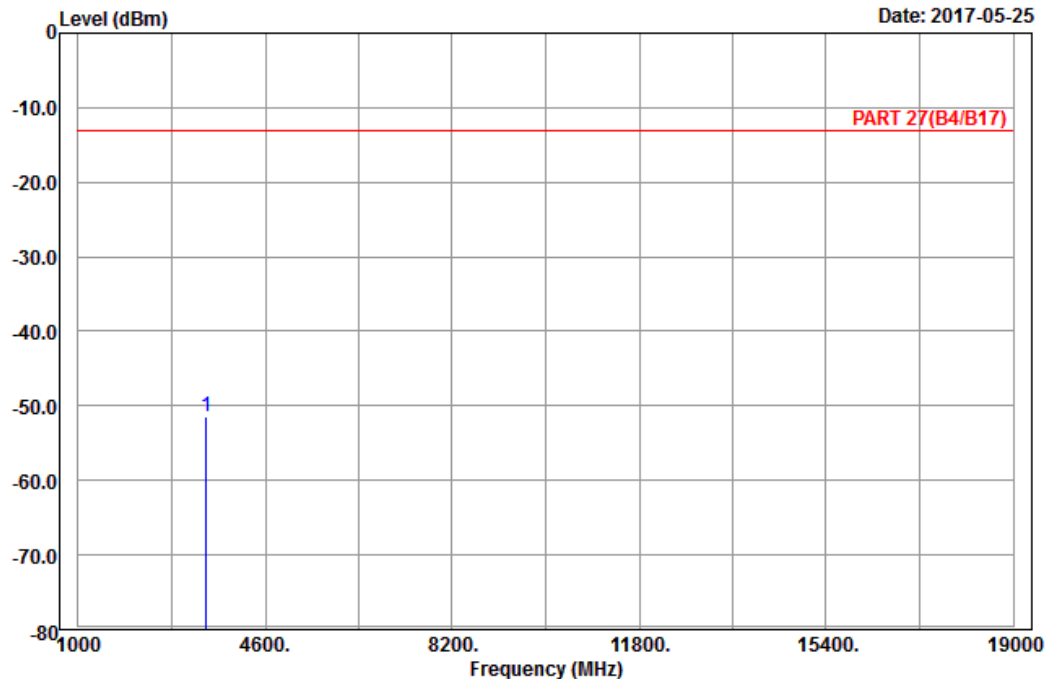


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : LTE\_Band 4\_Link\_CH20175  
Tested by: Charles Hsiao

|              |        |        | Read   | Limit  | Over   |        |  |
|--------------|--------|--------|--------|--------|--------|--------|--|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |  |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |  |
| 1 pp 3465.00 | -51.53 | -65.87 | -13.00 | -38.53 | 14.34  | Peak   |  |

## High Channel

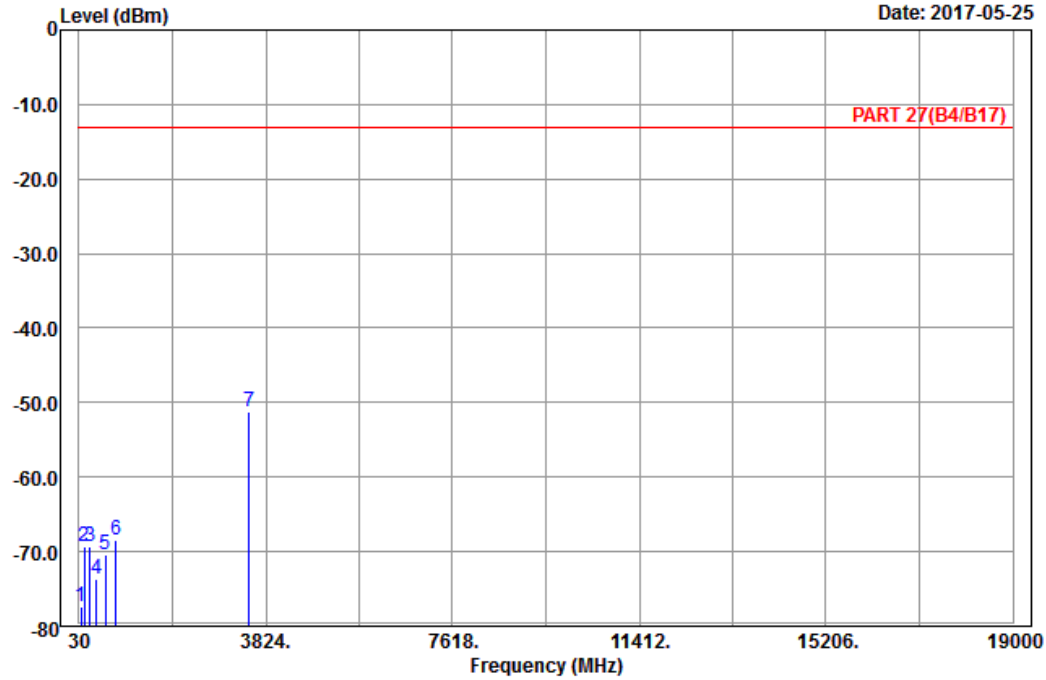


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : LTE\_Band 4\_Link\_CH20300  
Tested by: Charles Hsiao

|      |         | Read   | Limit  | Over   |        |        |      |
|------|---------|--------|--------|--------|--------|--------|------|
| Freq | Level   | Level  | Line   | Limit  | Factor | Remark |      |
| MHz  | dBm     | dBm    | dBm    | dB     | dB     |        |      |
| 1    | 65.91   | -77.31 | -64.07 | -13.00 | -64.31 | -13.24 | Peak |
| 2    | 139.35  | -69.24 | -61.55 | -13.00 | -56.24 | -7.69  | Peak |
| 3    | 258.96  | -69.24 | -63.65 | -13.00 | -56.24 | -5.59  | Peak |
| 4    | 388.90  | -73.71 | -70.40 | -13.00 | -60.71 | -3.31  | Peak |
| 5    | 572.30  | -70.38 | -69.64 | -13.00 | -57.38 | -0.74  | Peak |
| 6    | 778.10  | -68.55 | -69.09 | -13.00 | -55.55 | 0.54   | Peak |
| 7 pp | 3490.00 | -51.29 | -65.60 | -13.00 | -38.29 | 14.31  | Peak |

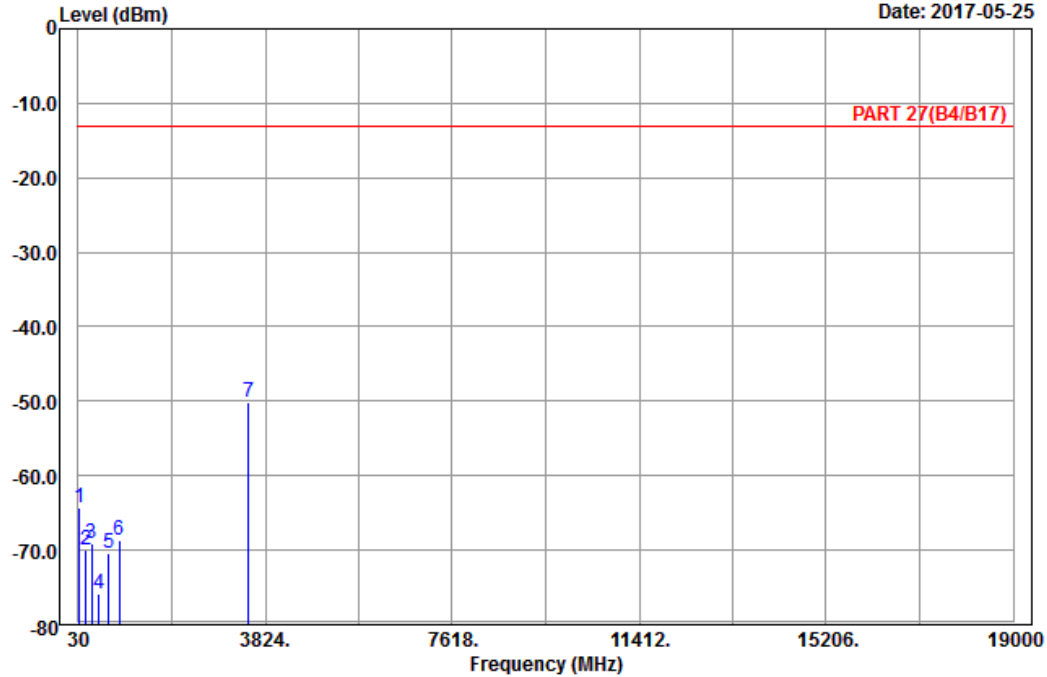


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : LTE\_Band 4\_Link\_CH20300  
Tested by: Charles Hsiao

|      |         |        | Read   | Limit  | Over   |        |        |
|------|---------|--------|--------|--------|--------|--------|--------|
|      | Freq    | Level  | Level  | Line   | Limit  | Factor | Remark |
|      | MHz     | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1    | 61.32   | -64.25 | -50.32 | -13.00 | -51.25 | -13.93 | Peak   |
| 2    | 190.92  | -69.89 | -64.11 | -13.00 | -56.89 | -5.78  | Peak   |
| 3    | 294.33  | -69.13 | -63.22 | -13.00 | -56.13 | -5.91  | Peak   |
| 4    | 451.90  | -75.80 | -71.90 | -13.00 | -62.80 | -3.90  | Peak   |
| 5    | 642.30  | -70.36 | -70.31 | -13.00 | -57.36 | -0.05  | Peak   |
| 6    | 862.80  | -68.67 | -70.51 | -13.00 | -55.67 | 1.84   | Peak   |
| 7 pp | 3490.00 | -50.13 | -64.44 | -13.00 | -37.13 | 14.31  | Peak   |

LTE Band 12  
Channel Bandwidth: 10 MHz / QPSK  
Low Channel

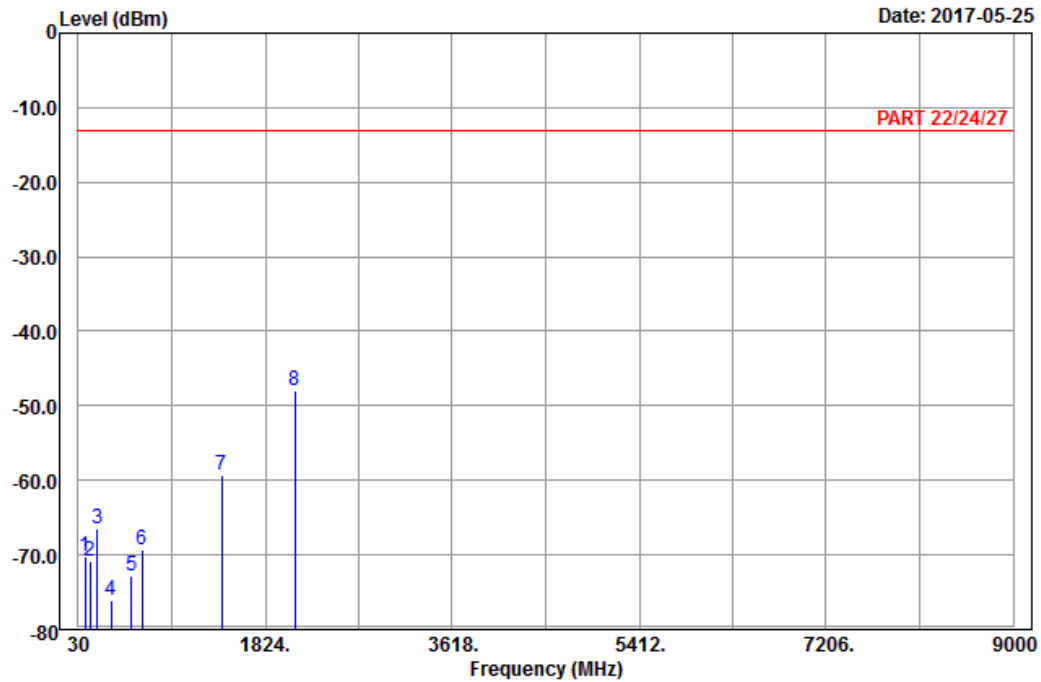


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 22/24/27 Horizontal  
Remark : LTE\_Band 12\_Link\_CH23060  
Tested by: Charles Hsiao

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 97.50   | -70.14 | -59.91     | -13.00     | -57.14     | -10.23 | Peak   |
| 2    | 144.48  | -70.95 | -63.14     | -13.00     | -57.95     | -7.81  | Peak   |
| 3    | 210.90  | -66.39 | -60.35     | -13.00     | -53.39     | -6.04  | Peak   |
| 4    | 346.90  | -75.99 | -70.58     | -13.00     | -62.99     | -5.41  | Peak   |
| 5    | 542.20  | -72.82 | -70.59     | -13.00     | -59.82     | -2.23  | Peak   |
| 6    | 641.60  | -69.42 | -69.37     | -13.00     | -56.42     | -0.05  | Peak   |
| 7    | 1408.00 | -59.39 | -65.75     | -13.00     | -46.39     | 6.36   | Peak   |
| 8 pp | 2112.00 | -47.96 | -59.07     | -13.00     | -34.96     | 11.11  | Peak   |

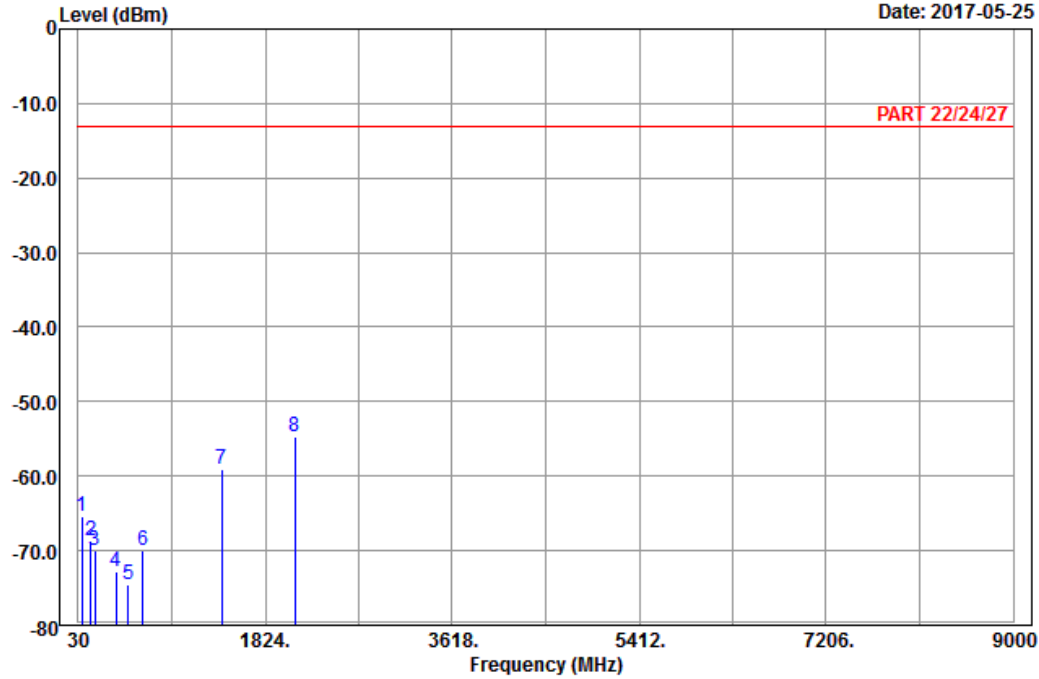


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 22/24/27 Vertical  
Remark : LTE\_Band 12\_Link\_CH23060  
Tested by: Charles Hsiao

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 63.48   | -65.46 | -51.95     | -13.00     | -52.46     | -13.51 | Peak   |
| 2    | 153.93  | -68.59 | -60.75     | -13.00     | -55.59     | -7.84  | Peak   |
| 3    | 186.60  | -70.04 | -64.37     | -13.00     | -57.04     | -5.67  | Peak   |
| 4    | 394.50  | -72.71 | -69.71     | -13.00     | -59.71     | -3.00  | Peak   |
| 5    | 513.50  | -74.66 | -70.30     | -13.00     | -61.66     | -4.36  | Peak   |
| 6    | 651.40  | -70.00 | -69.86     | -13.00     | -57.00     | -0.14  | Peak   |
| 7    | 1408.00 | -59.18 | -65.54     | -13.00     | -46.18     | 6.36   | Peak   |
| 8 pp | 2112.00 | -54.66 | -65.77     | -13.00     | -41.66     | 11.11  | Peak   |

# Middle Channel

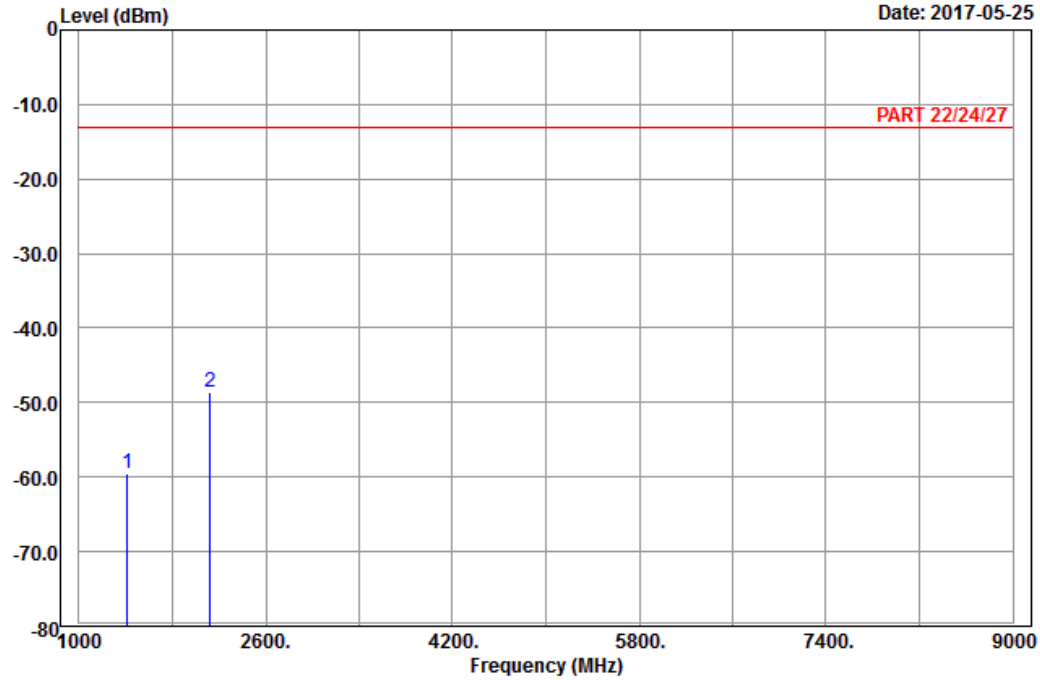


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 22/24/27 Horizontal  
Remark : LTE\_Band 12\_Link\_CH23095  
Tested by: Charles Hsiao

|      |         |        | Read   | Limit  | Over   |        |      |
|------|---------|--------|--------|--------|--------|--------|------|
| Freq | Level   | Level  | Line   | Limit  | Factor | Remark |      |
| MHz  | dBm     | dBm    | dBm    | dB     | dB     |        |      |
| 1    | 1415.00 | -59.46 | -65.82 | -13.00 | -46.46 | 6.36   | Peak |
| 2 pp | 2122.50 | -48.67 | -59.78 | -13.00 | -35.67 | 11.11  | Peak |

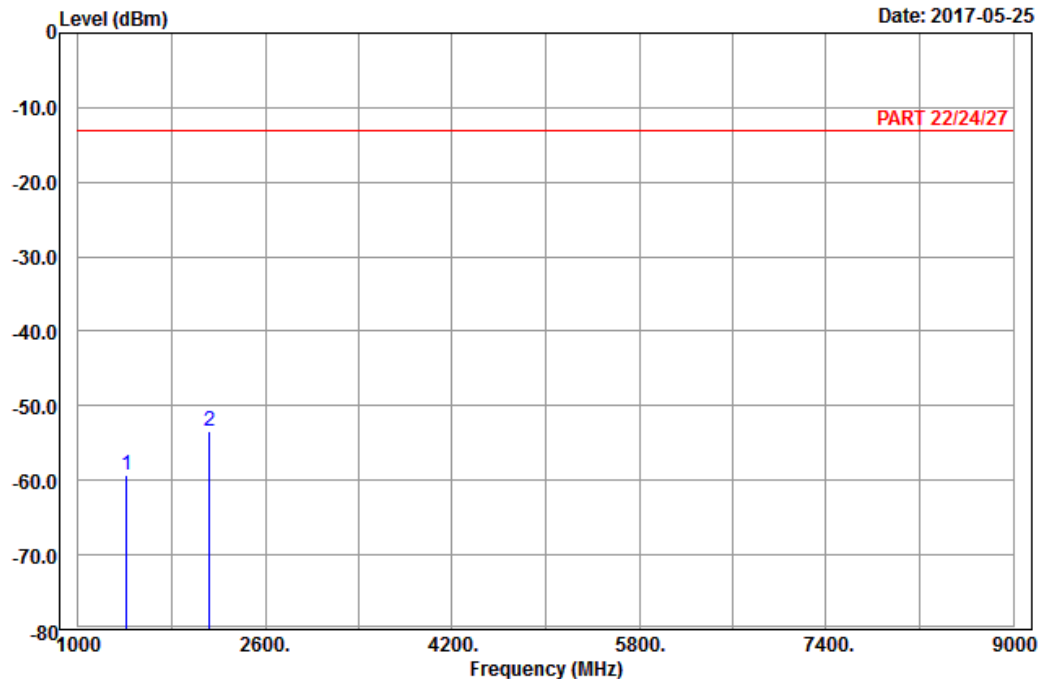


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 22/24/27 Vertical  
Remark : LTE\_Band 12\_Link\_CH23095  
Tested by: Charles Hsiao

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 1415.00 | -59.31 | -65.67     | -13.00     | -46.31     | 6.36   | Peak   |
| 2 pp | 2122.50 | -53.45 | -64.56     | -13.00     | -40.45     | 11.11  | Peak   |

# High Channel

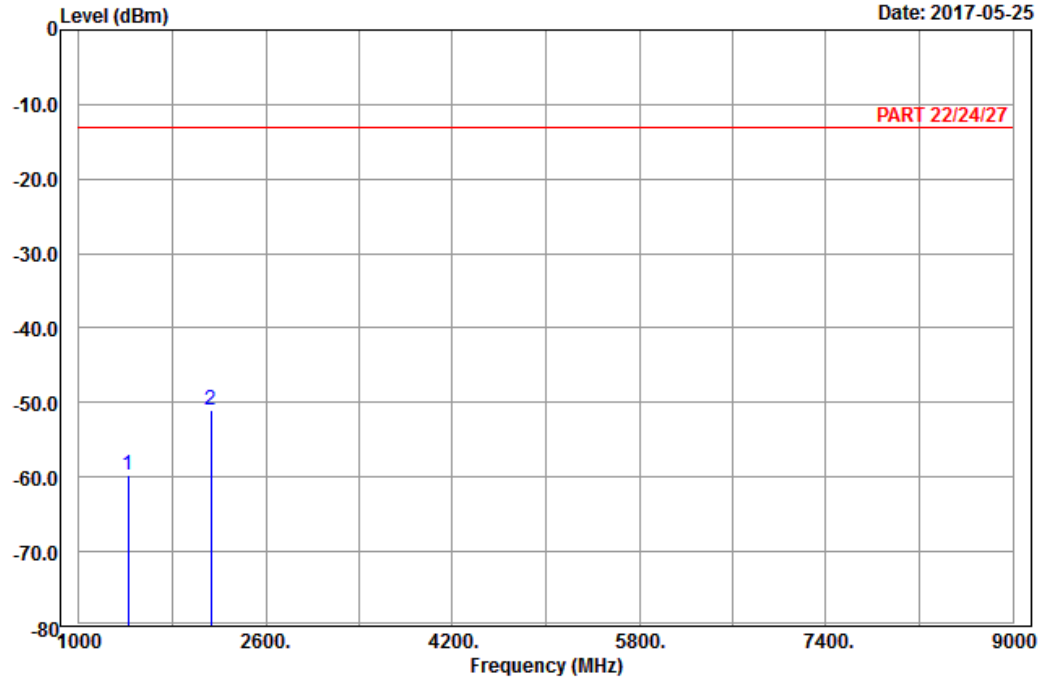


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 22/24/27 Horizontal  
Remark : LTE\_Band 12\_Link\_CH23130  
Tested by: Karl Lee

|   |         |        | Read   | Limit  | Over   |        |        |
|---|---------|--------|--------|--------|--------|--------|--------|
|   | Freq    | Level  | Level  | Line   | Limit  | Factor | Remark |
|   | MHz     | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 | 1422.00 | -59.76 | -66.12 | -13.00 | -46.76 | 6.36   | Peak   |
| 2 | 2133.00 | -50.95 | -62.23 | -13.00 | -37.95 | 11.28  | Peak   |

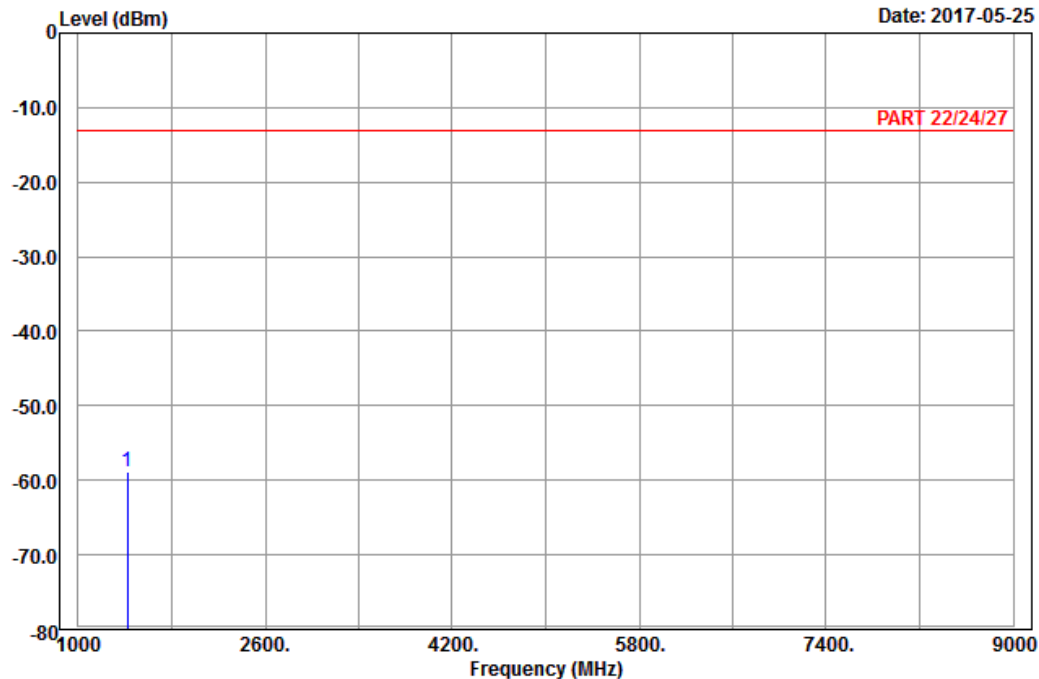


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 22/24/27 Vertical  
Remark : LTE\_Band 12\_Link\_CH23130  
Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 1422.00 | -58.76 | -65.12 | -13.00 | -45.76 | 6.36   | Peak   |

# LTE Band 13

Channel Bandwidth: 10 MHz / QPSK

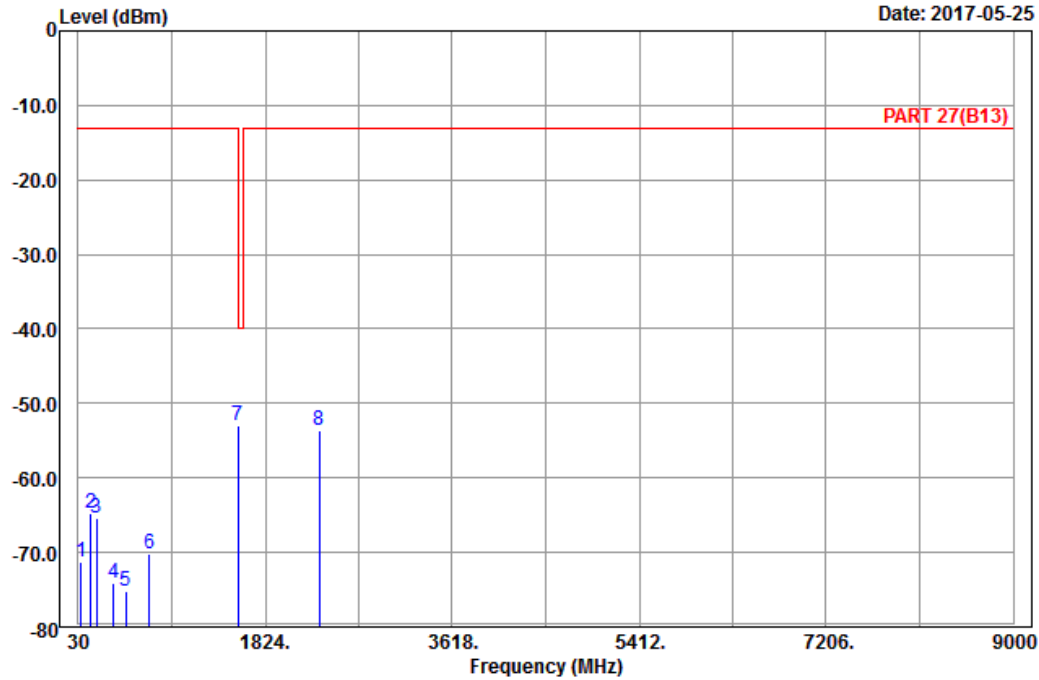


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2017-05-25



Site : 966 chamber 1

Condition: PART 27(B13) Horizontal

Remark : LTE\_Band 13\_Link\_CH23230

Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 54.84   | -71.31 | -57.25     | -13.00     | -58.31     | -14.06 | Peak   |
| 2    | 153.12  | -64.76 | -56.90     | -13.00     | -51.76     | -7.86  | Peak   |
| 3    | 202.80  | -65.38 | -59.24     | -13.00     | -52.38     | -6.14  | Peak   |
| 4    | 367.90  | -74.20 | -69.75     | -13.00     | -61.20     | -4.45  | Peak   |
| 5    | 482.70  | -75.13 | -70.34     | -13.00     | -62.13     | -4.79  | Peak   |
| 6    | 715.80  | -70.22 | -69.55     | -13.00     | -57.22     | -0.67  | Peak   |
| 7 pp | 1564.00 | -52.91 | -59.77     | -40.00     | -12.91     | 6.86   | Peak   |
| 8    | 2346.00 | -53.58 | -64.52     | -13.00     | -40.58     | 10.94  | Peak   |

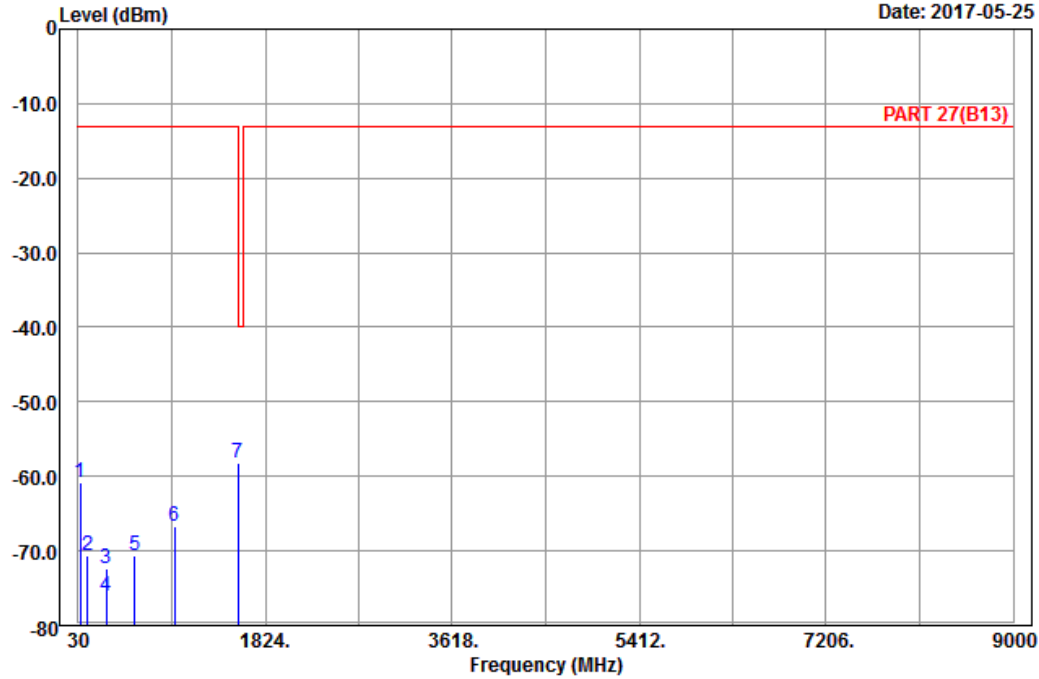


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B13) Vertical  
Remark : LTE\_Band 13\_Link\_CH23230  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 51.33   | -60.84 | -46.79     | -13.00     | -47.84     | -14.05 | Peak   |
| 2    | 117.75  | -70.58 | -62.14     | -13.00     | -57.58     | -8.44  | Peak   |
| 3    | 297.84  | -72.40 | -66.46     | -13.00     | -59.40     | -5.94  | Peak   |
| 4    | 302.10  | -76.16 | -70.23     | -13.00     | -63.16     | -5.93  | Peak   |
| 5    | 569.50  | -70.52 | -69.66     | -13.00     | -57.52     | -0.86  | Peak   |
| 6    | 951.00  | -66.62 | -71.73     | -13.00     | -53.62     | 5.11   | Peak   |
| 7 pp | 1564.00 | -58.11 | -64.97     | -40.00     | -18.11     | 6.86   | Peak   |

LTE Band 17  
Channel Bandwidth: 10 MHz / QPSK  
Low Channel

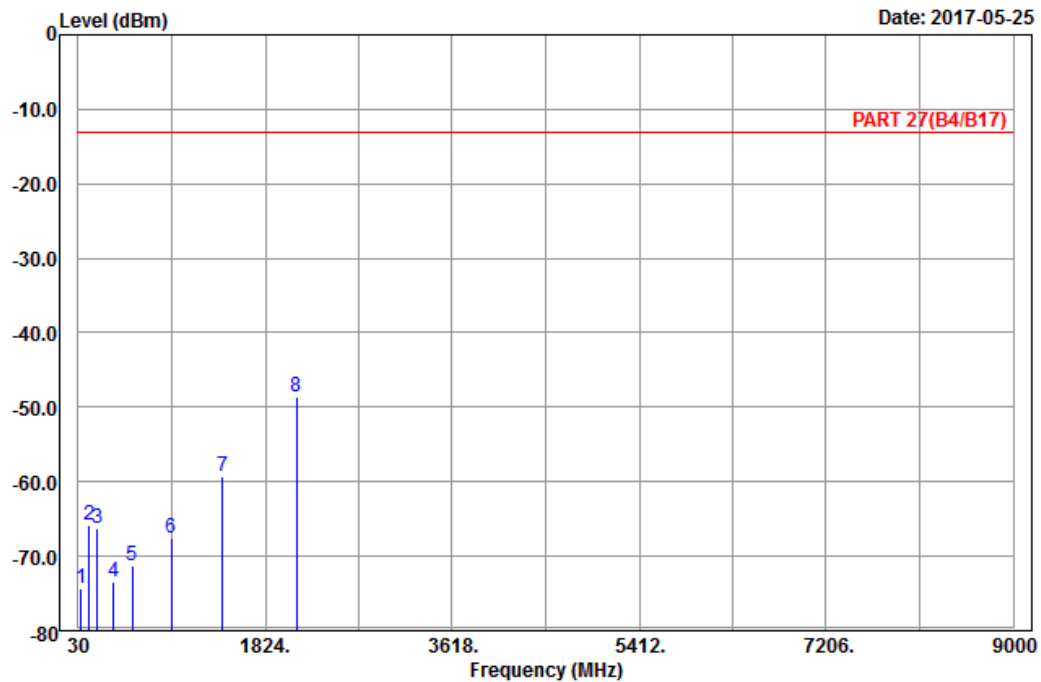


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : LTE\_Band 17\_Link\_CH23780  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 61.05   | -74.39 | -60.46     | -13.00     | -61.39     | -13.93 | Peak   |
| 2    | 132.06  | -65.87 | -58.21     | -13.00     | -52.87     | -7.66  | Peak   |
| 3    | 211.17  | -66.31 | -60.28     | -13.00     | -53.31     | -6.03  | Peak   |
| 4    | 372.10  | -73.53 | -69.34     | -13.00     | -60.53     | -4.19  | Peak   |
| 5    | 548.50  | -71.24 | -69.51     | -13.00     | -58.24     | -1.73  | Peak   |
| 6    | 922.30  | -67.56 | -71.45     | -13.00     | -54.56     | 3.89   | Peak   |
| 7    | 1418.00 | -59.26 | -65.62     | -13.00     | -46.26     | 6.36   | Peak   |
| 8 pp | 2127.00 | -48.61 | -59.89     | -13.00     | -35.61     | 11.28  | Peak   |

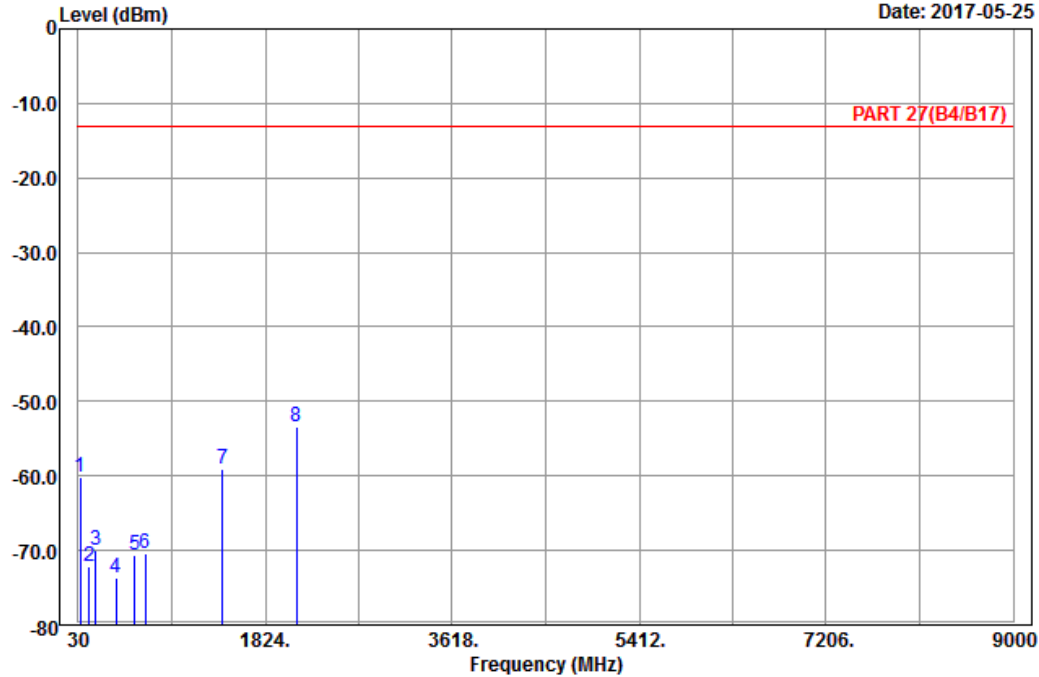


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : LTE\_Band 17\_Link\_CH23780  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 52.68   | -60.09 | -46.03     | -13.00     | -47.09     | -14.06 | Peak   |
| 2    | 133.14  | -72.16 | -64.50     | -13.00     | -59.16     | -7.66  | Peak   |
| 3    | 194.43  | -70.01 | -64.05     | -13.00     | -57.01     | -5.96  | Peak   |
| 4    | 392.40  | -73.69 | -70.59     | -13.00     | -60.69     | -3.10  | Peak   |
| 5    | 568.80  | -70.72 | -69.82     | -13.00     | -57.72     | -0.90  | Peak   |
| 6    | 670.30  | -70.30 | -70.07     | -13.00     | -57.30     | -0.23  | Peak   |
| 7    | 1418.00 | -59.04 | -65.40     | -13.00     | -46.04     | 6.36   | Peak   |
| 8 pp | 2127.00 | -53.36 | -64.64     | -13.00     | -40.36     | 11.28  | Peak   |

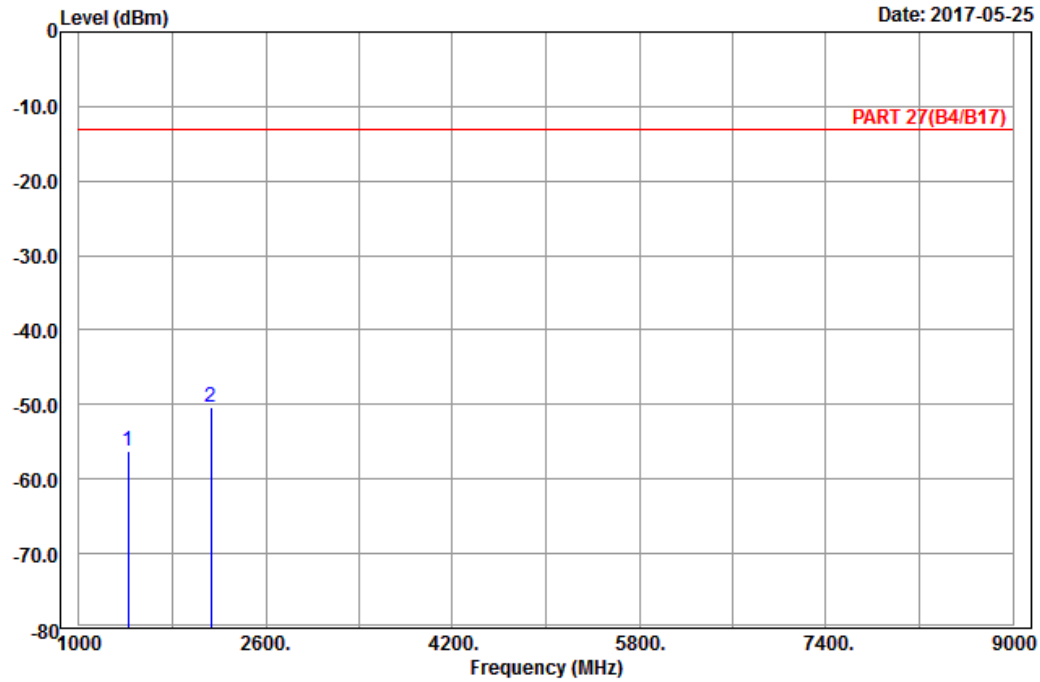
# Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : LTE\_Band 17\_Link\_CH23790  
Tested by: Karl Lee

|      |         |        | Read   | Limit  | Over   |        |        |
|------|---------|--------|--------|--------|--------|--------|--------|
|      | Freq    | Level  | Level  | Line   | Limit  | Factor | Remark |
|      | MHz     | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1    | 1420.00 | -56.26 | -62.62 | -13.00 | -43.26 | 6.36   | Peak   |
| 2 pp | 2130.00 | -50.44 | -61.72 | -13.00 | -37.44 | 11.28  | Peak   |

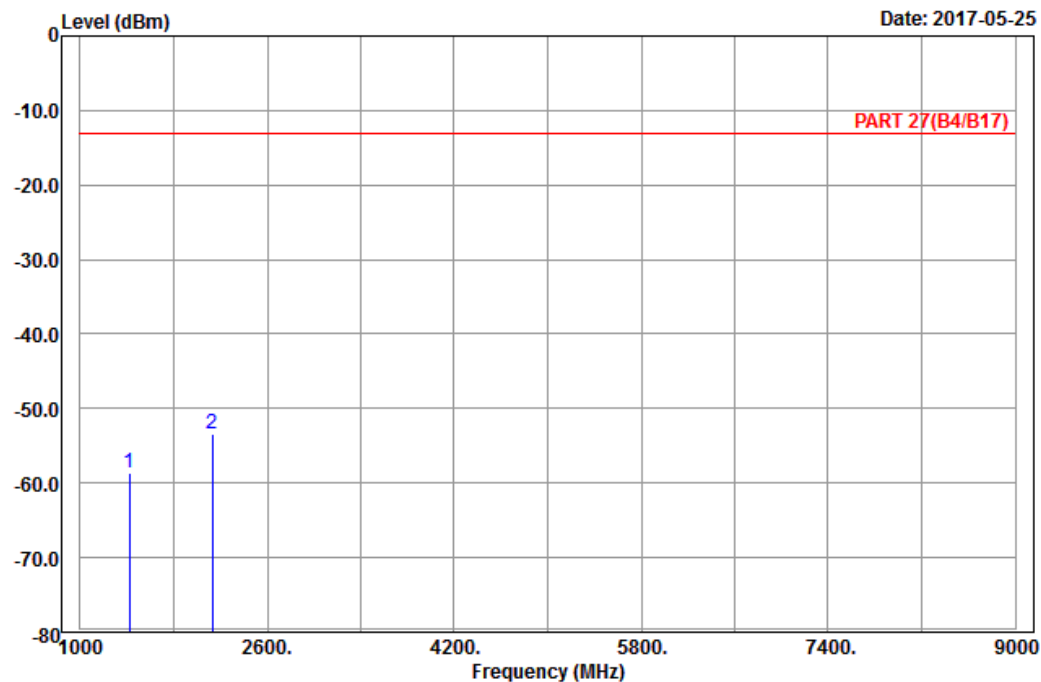


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : LTE\_Band 17\_Link\_CH23790  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 1420.00 | -58.68 | -65.04     | -13.00     | -45.68     | 6.36   | Peak   |
| 2 pp | 2130.00 | -53.46 | -64.74     | -13.00     | -40.46     | 11.28  | Peak   |

# High Channel

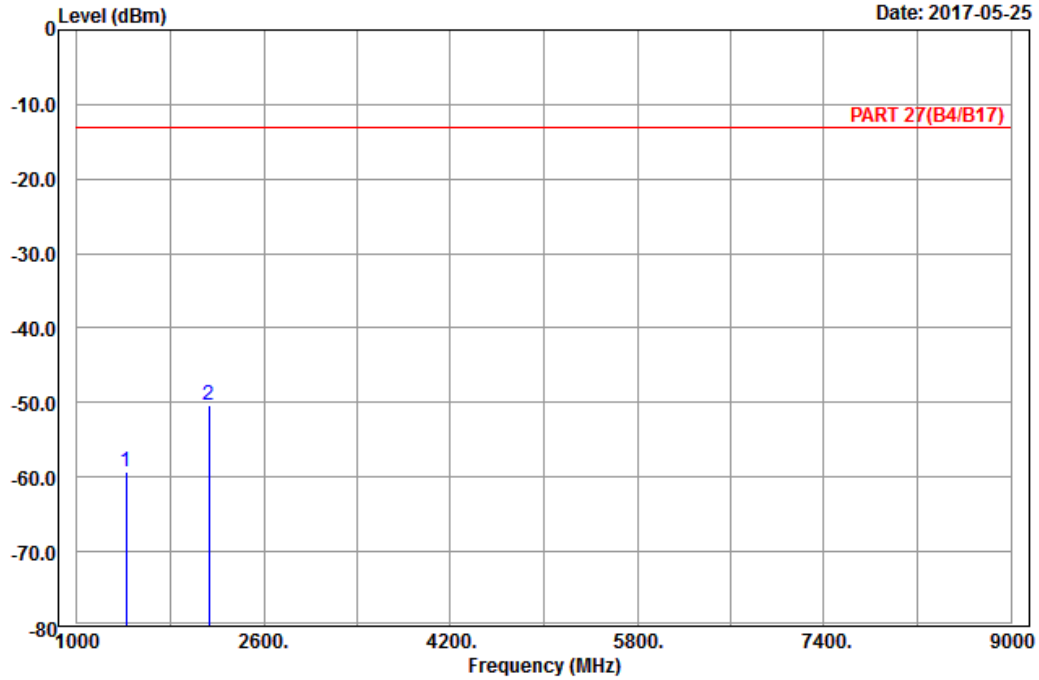


Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 5

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : LTE\_Band 17\_Link\_CH23800  
Tested by: Karl Lee

|      |         |        | Read   | Limit  | Over   |        |        |
|------|---------|--------|--------|--------|--------|--------|--------|
|      | Freq    | Level  | Level  | Line   | Limit  | Factor | Remark |
|      | MHz     | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1    | 1422.00 | -59.38 | -65.74 | -13.00 | -46.38 | 6.36   | Peak   |
| 2 pp | 2133.00 | -50.26 | -61.54 | -13.00 | -37.26 | 11.28  | Peak   |

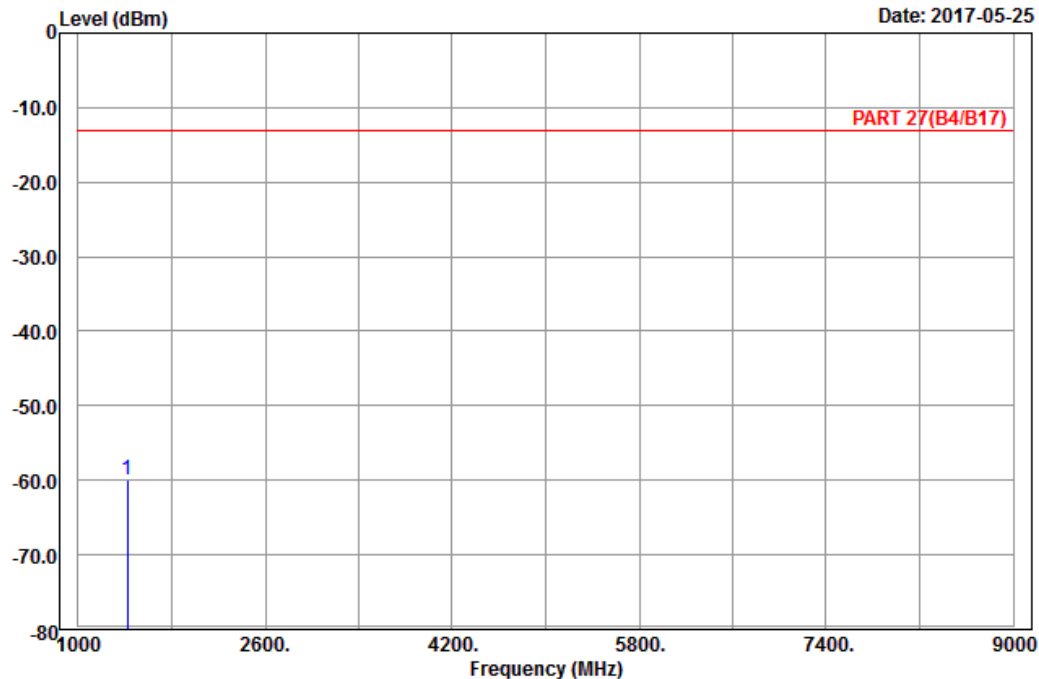


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2017-05-25



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : LTE\_Band 17\_Link\_CH23800  
Tested by: Karl Lee

|   |            |        | Read   | Limit  | Over   |        |        |
|---|------------|--------|--------|--------|--------|--------|--------|
|   | Freq       | Level  | Level  | Line   | Limit  | Factor | Remark |
|   | MHz        | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 | pp 1422.00 | -59.87 | -66.23 | -13.00 | -46.87 | 6.36   | Peak   |

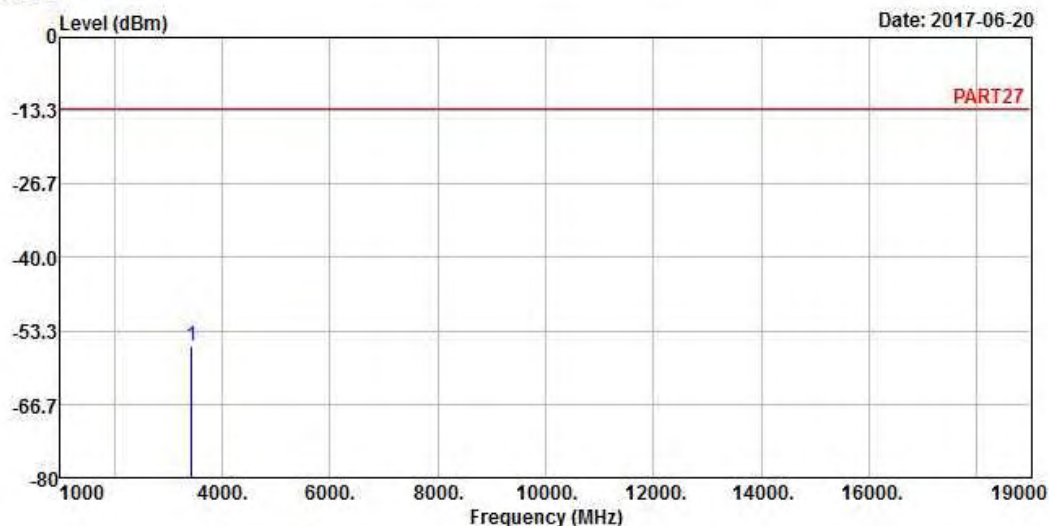
LTE Band 66:  
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5  
Condition: PART27 HORIZONTAL  
Remak : LTE Band 66 QPSK\_20M\_L-CH Link  
Tested by: Getaz Yang

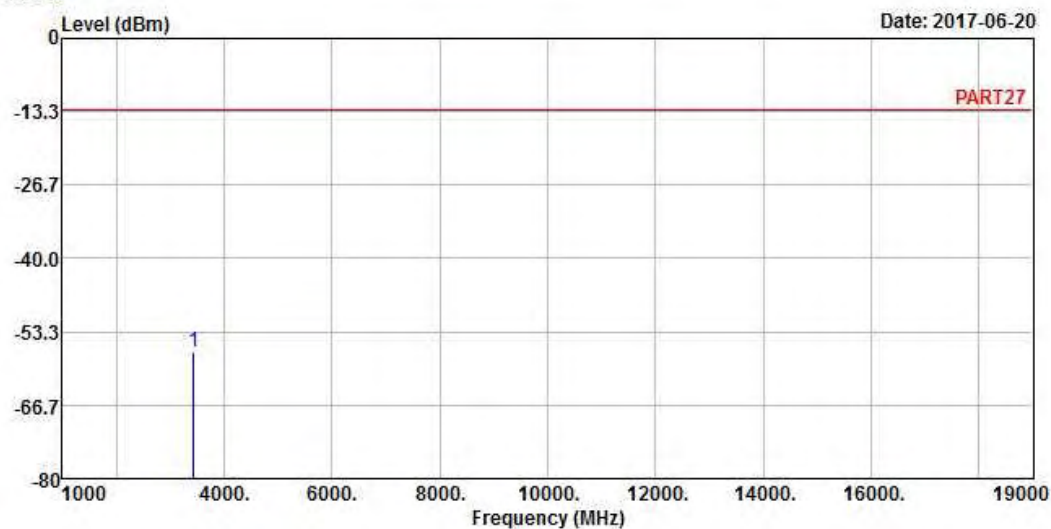
|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3440.00 | -55.99 | -46.99 | -13.00 | -42.99 | -9.00  | Peak   |



# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5  
Condition: PART27 VERTICAL  
Remak : LTE Band 66 QPSK\_20M\_L-CH Link  
Tested by: Getaz Yang

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3440.00 | -56.90 | -47.90 | -13.00 | -43.90 | -9.00  | Peak   |

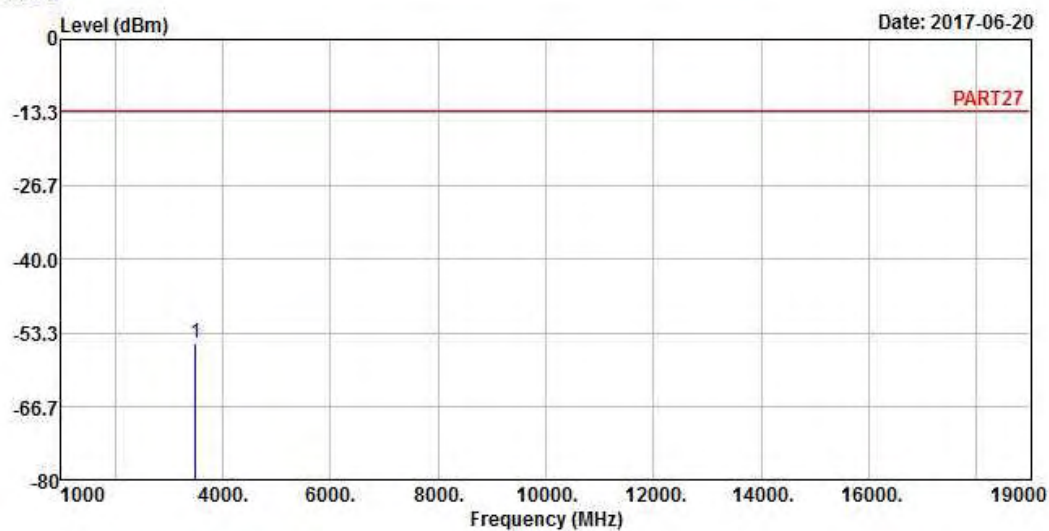
## Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5  
 Condition: PART27 HORIZONTAL  
 Remak : LTE Band 66 QPSK\_20M\_M-CH Link  
 Tested by: Getaz Yang

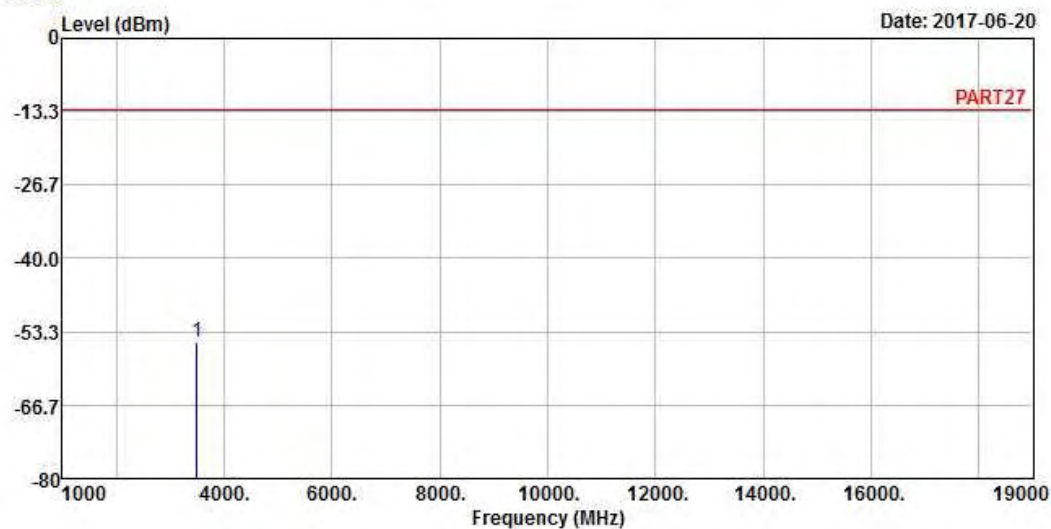
|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3490.00 | -55.09 | -46.58 | -13.00 | -42.09 | -8.51  | Peak   |



# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 Chamber 5  
 Condition: PART27 VERTICAL  
 Remak : LTE Band 66 QPSK\_20M\_M-CH Link  
 Tested by: Getaz Yang

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3490.00 | -55.12 | -46.61 | -13.00 | -42.12 | -8.51  | Peak   |

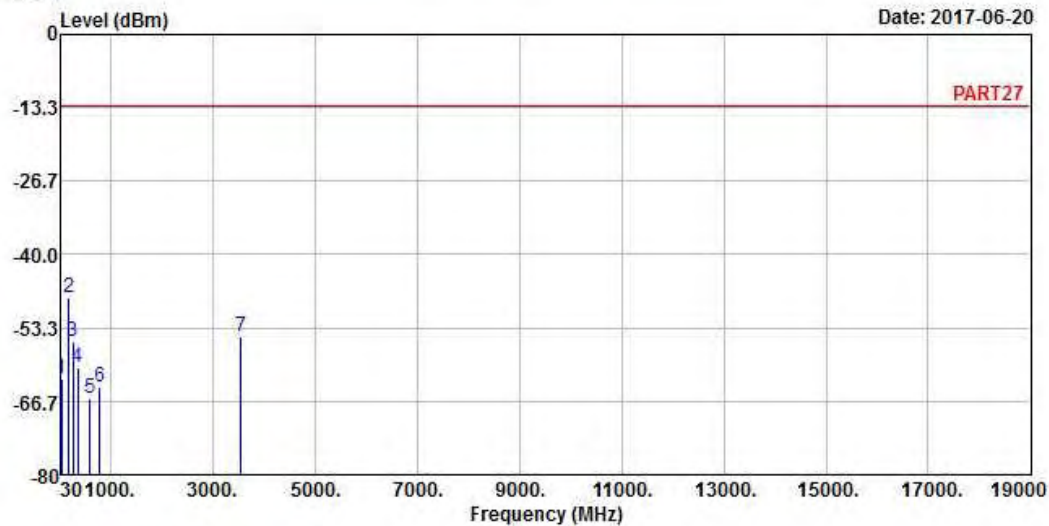
## High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7



Site : 966 Chamber 5  
Condition: PART27 HORIZONTAL  
Remak : LTE Band 66 QPSK\_20M\_H-CH Link  
Tested by: Getaz Yang

|      |         |        | Read   | Limit  | Over   |        |        |
|------|---------|--------|--------|--------|--------|--------|--------|
|      | Freq    | Level  | Level  | Line   | Limit  | Factor | Remark |
|      | MHz     | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1    | 30.00   | -62.47 | -62.85 | -13.00 | -49.47 | 0.38   | Peak   |
| 2 pp | 173.56  | -47.92 | -41.71 | -13.00 | -34.92 | -6.21  | Peak   |
| 3    | 258.92  | -55.67 | -49.50 | -13.00 | -42.67 | -6.17  | Peak   |
| 4    | 350.10  | -60.65 | -54.41 | -13.00 | -47.65 | -6.24  | Peak   |
| 5    | 596.48  | -66.04 | -65.13 | -13.00 | -53.04 | -0.91  | Peak   |
| 6    | 785.63  | -64.16 | -64.94 | -13.00 | -51.16 | 0.78   | Peak   |
| 7    | 3540.00 | -54.91 | -46.56 | -13.00 | -41.91 | -8.35  | Peak   |

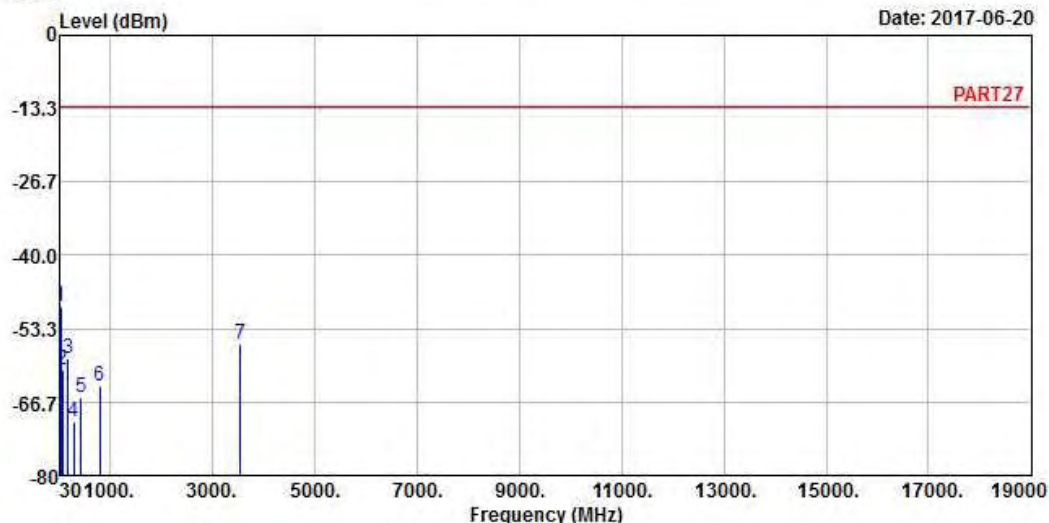


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 8

Date: 2017-06-20



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 66 QPSK\_20M\_H-CH Link

Tested by: Getaz Yang

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1 pp | 30.00   | -49.43 | -49.81     | -13.00     | -36.43     | 0.38   | Peak   |
| 2    | 63.95   | -60.95 | -52.99     | -13.00     | -47.95     | -7.96  | Peak   |
| 3    | 175.50  | -58.87 | -52.32     | -13.00     | -45.87     | -6.55  | Peak   |
| 4    | 292.87  | -70.30 | -63.43     | -13.00     | -57.30     | -6.87  | Peak   |
| 5    | 427.70  | -65.80 | -60.07     | -13.00     | -52.80     | -5.73  | Peak   |
| 6    | 799.21  | -63.81 | -64.55     | -13.00     | -50.81     | 0.74   | Peak   |
| 7    | 3540.00 | -56.08 | -47.73     | -13.00     | -43.08     | -8.35  | Peak   |

Mode B  
WCDMA:  
Low Channel

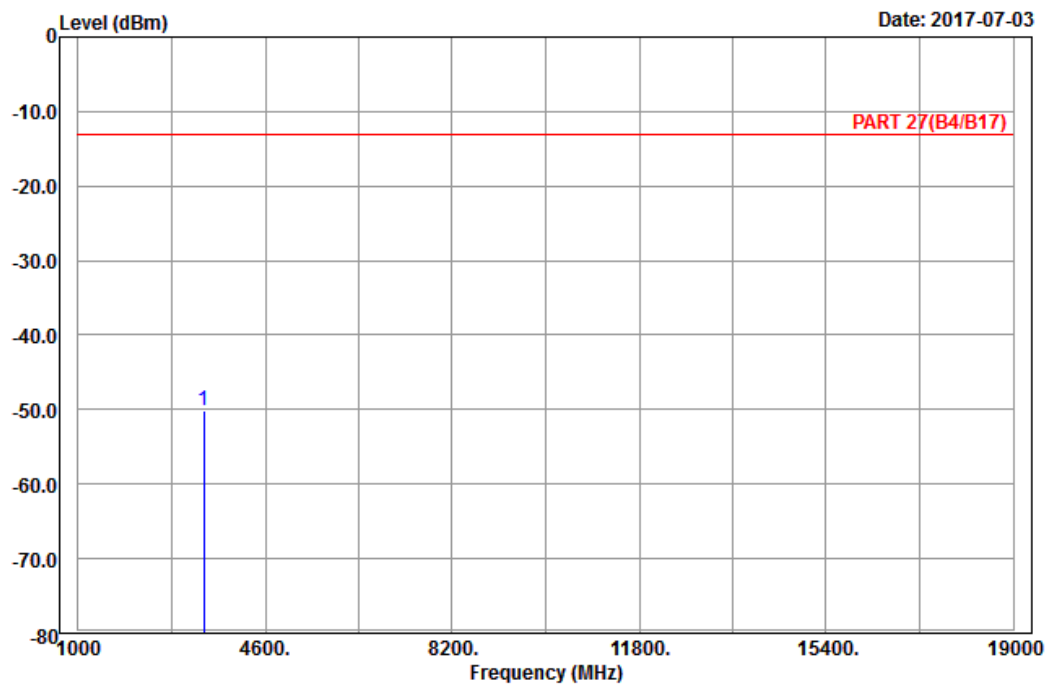


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2017-07-03



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : Band IV\_Link\_CH1312  
Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3424.80 | -50.21 | -64.58 | -13.00 | -37.21 | 14.37  | Peak   |

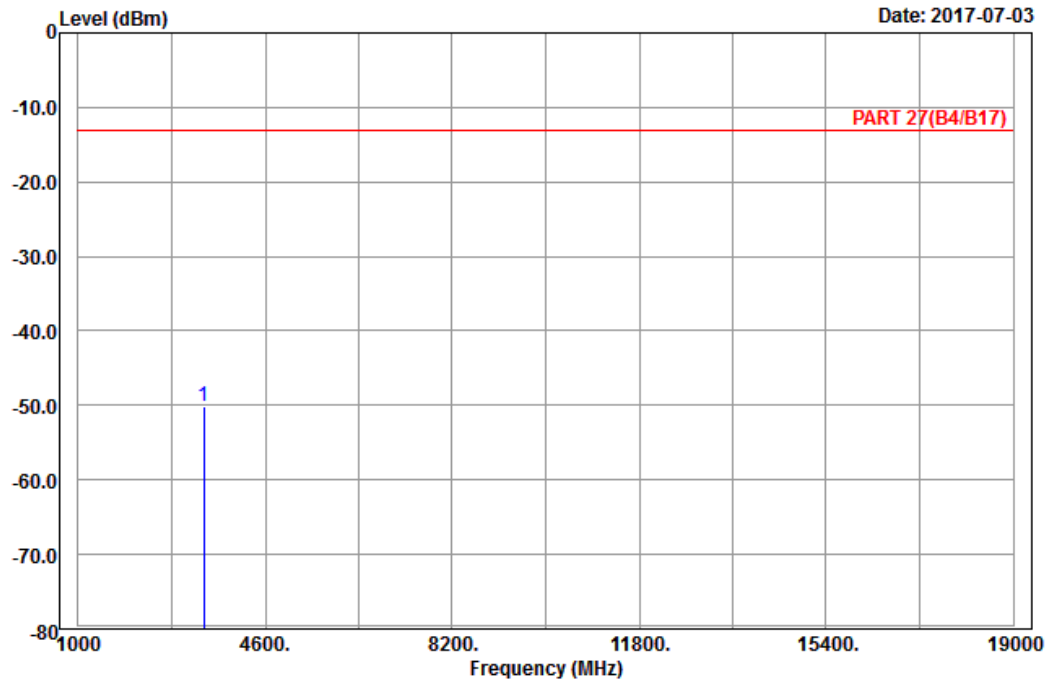


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-07-03



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : Band IV\_Link\_CH1312  
Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3424.80 | -50.10 | -64.47 | -13.00 | -37.10 | 14.37  | Peak   |

# Middle Channel

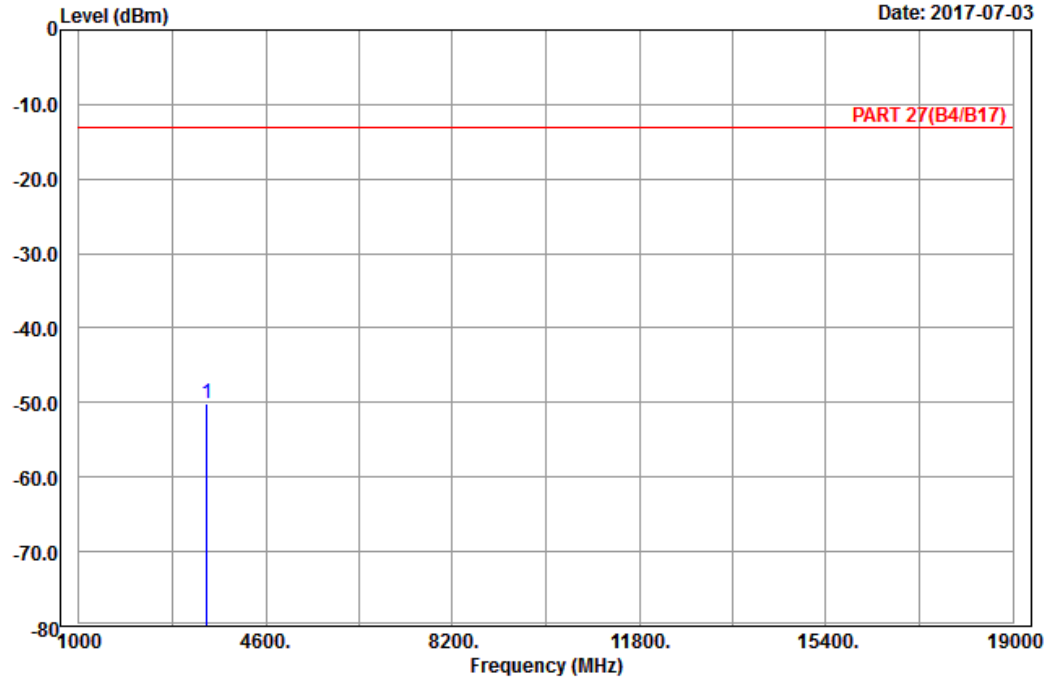


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2017-07-03



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : Band IV\_Link\_CH1413  
Tested by: Charles Hsiao

| Freq         | Level  | Read   | Limit  | Over   | Factor | Remark |
|--------------|--------|--------|--------|--------|--------|--------|
|              |        | Level  | Line   | Limit  |        |        |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3465.20 | -50.21 | -64.55 | -13.00 | -37.21 | 14.34  | Peak   |

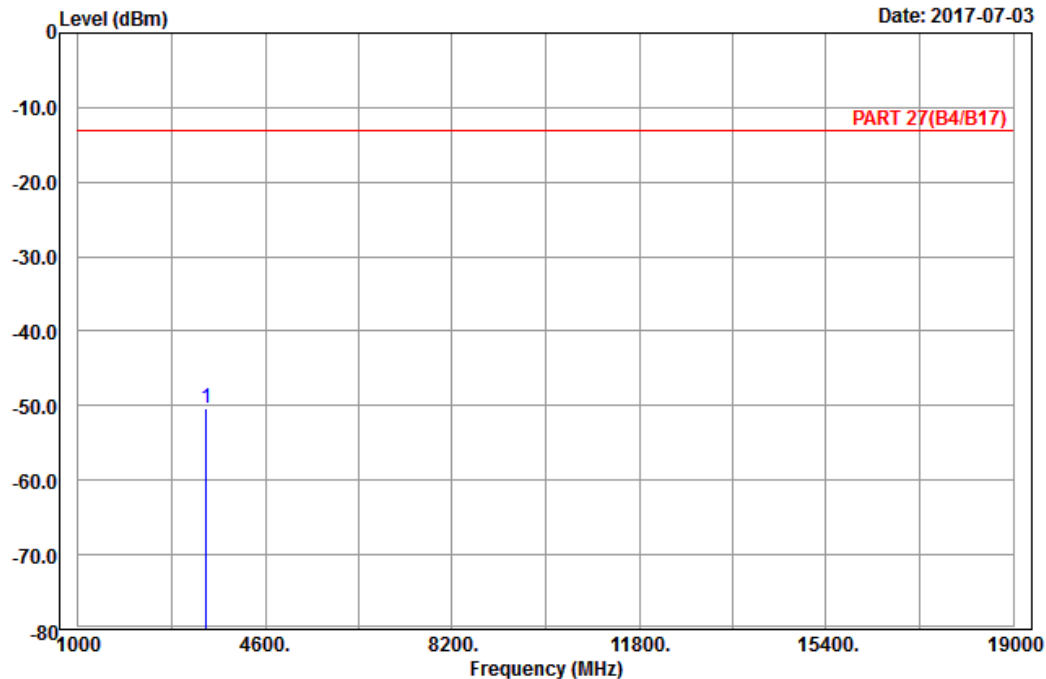


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-07-03



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : Band IV\_Link\_CH1413  
Tested by: Charles Hsiao

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3465.20 | -50.25 | -64.59 | -13.00 | -37.25 | 14.34  | Peak   |

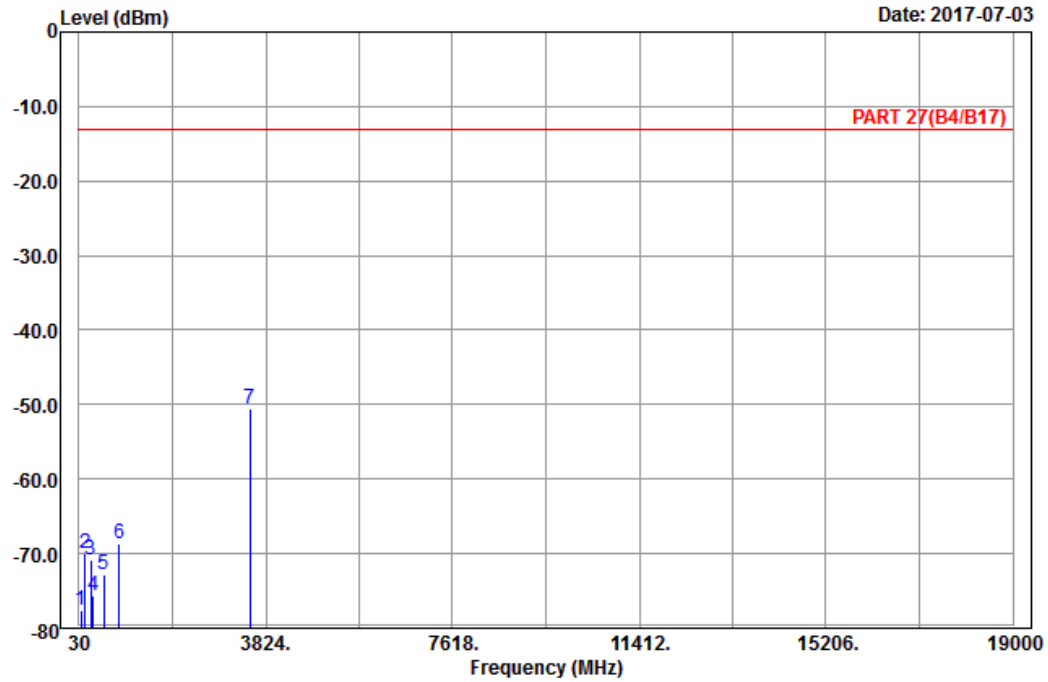
## High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13



Site : 966 chamber 1  
 Condition: PART 27(B4/B17) Horizontal  
 Remark : Band IV\_Link\_CH1513  
 Tested by: Karl Lee

|      |         | Read   | Limit  | Over   |        |        |        |
|------|---------|--------|--------|--------|--------|--------|--------|
|      | Freq    | Level  | Level  | Line   | Limit  | Factor | Remark |
|      | MHz     | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1    | 65.37   | -77.70 | -64.32 | -13.00 | -64.70 | -13.38 | Peak   |
| 2    | 146.64  | -70.04 | -62.18 | -13.00 | -57.04 | -7.86  | Peak   |
| 3    | 275.97  | -70.93 | -65.18 | -13.00 | -57.93 | -5.75  | Peak   |
| 4    | 314.70  | -75.57 | -69.79 | -13.00 | -62.57 | -5.78  | Peak   |
| 5    | 537.30  | -72.86 | -70.28 | -13.00 | -59.86 | -2.58  | Peak   |
| 6    | 842.50  | -68.68 | -70.21 | -13.00 | -55.68 | 1.53   | Peak   |
| 7 pp | 3505.20 | -50.65 | -64.93 | -13.00 | -37.65 | 14.28  | Peak   |

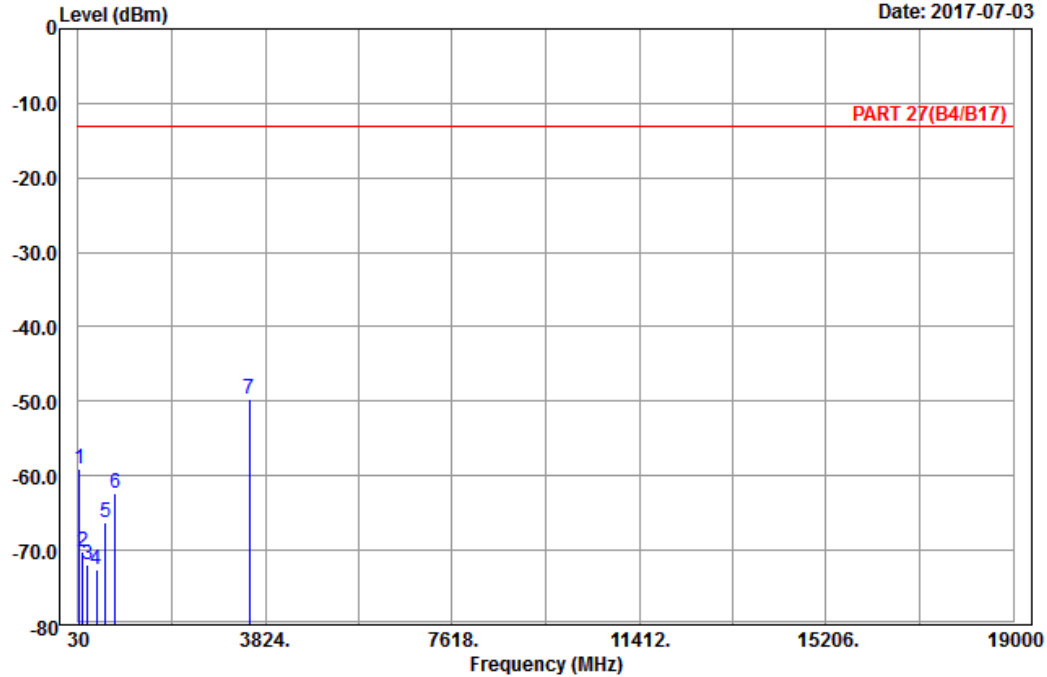


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14

Date: 2017-07-03



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : Band IV\_Link\_CH1513  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 47.01   | -59.10 | -45.99     | -13.00     | -46.10     | -13.11 | Peak   |
| 2    | 123.15  | -70.30 | -62.23     | -13.00     | -57.30     | -8.07  | Peak   |
| 3    | 216.57  | -71.99 | -66.03     | -13.00     | -58.99     | -5.96  | Peak   |
| 4    | 396.60  | -72.60 | -69.70     | -13.00     | -59.60     | -2.90  | Peak   |
| 5    | 577.90  | -66.37 | -65.87     | -13.00     | -53.37     | -0.50  | Peak   |
| 6    | 774.60  | -62.30 | -62.65     | -13.00     | -49.30     | 0.35   | Peak   |
| 7 pp | 3505.20 | -49.75 | -64.03     | -13.00     | -36.75     | 14.28  | Peak   |

LTE Band 4  
Channel Bandwidth: 20 MHz / QPSK  
Low Channel

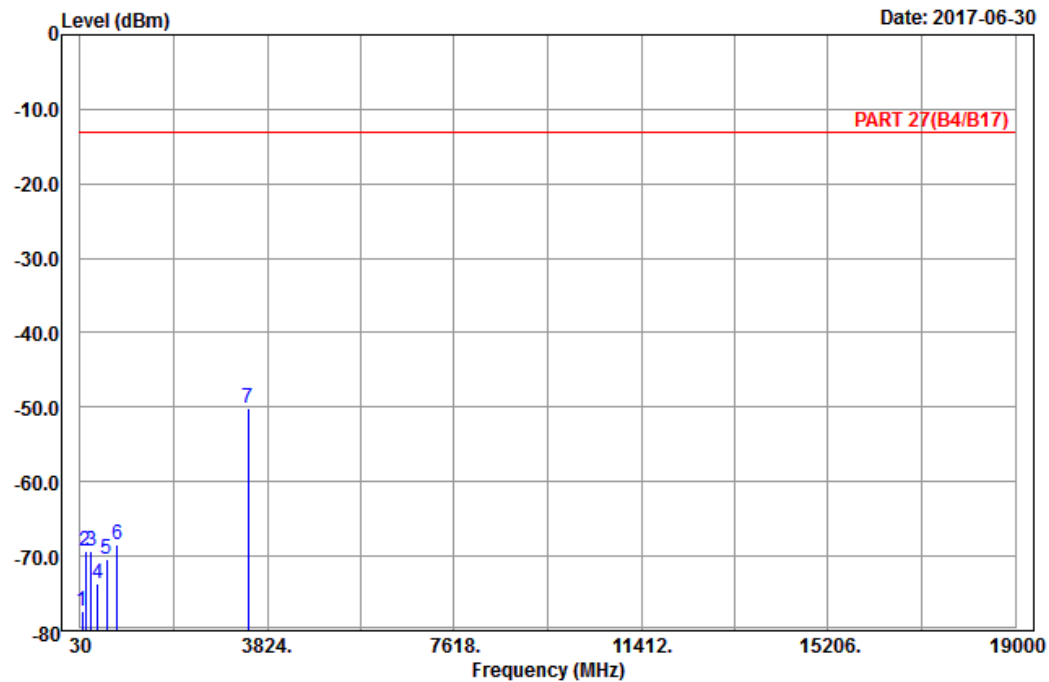


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13

Date: 2017-06-30



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : LTE\_Band 4\_Link\_CH20050  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 65.91   | -77.31 | -64.07     | -13.00     | -64.31     | -13.24 | Peak   |
| 2    | 139.35  | -69.24 | -61.55     | -13.00     | -56.24     | -7.69  | Peak   |
| 3    | 258.96  | -69.24 | -63.65     | -13.00     | -56.24     | -5.59  | Peak   |
| 4    | 388.90  | -73.71 | -70.40     | -13.00     | -60.71     | -3.31  | Peak   |
| 5    | 572.30  | -70.38 | -69.64     | -13.00     | -57.38     | -0.74  | Peak   |
| 6    | 778.10  | -68.55 | -69.09     | -13.00     | -55.55     | 0.54   | Peak   |
| 7 pp | 3440.00 | -50.18 | -64.53     | -13.00     | -37.18     | 14.35  | Peak   |

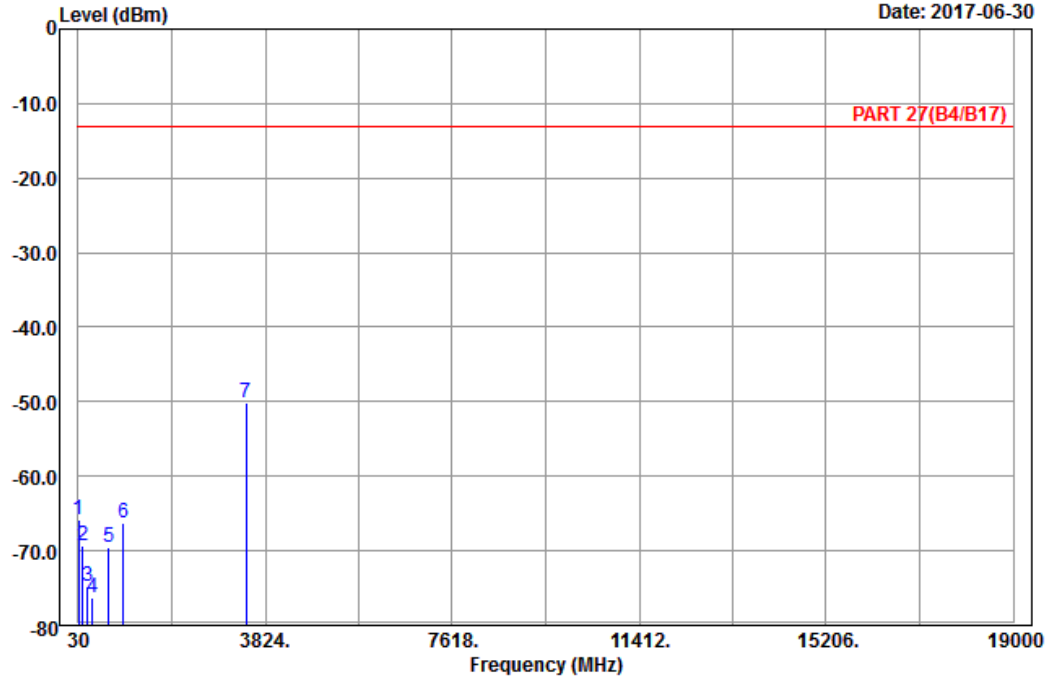


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14

Date: 2017-06-30



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : LTE\_Band 4\_Link\_CH20050  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 45.12   | -65.80 | -53.32     | -13.00     | -52.80     | -12.48 | Peak   |
| 2    | 115.05  | -69.32 | -60.75     | -13.00     | -56.32     | -8.57  | Peak   |
| 3    | 224.67  | -74.83 | -68.98     | -13.00     | -61.83     | -5.85  | Peak   |
| 4    | 317.50  | -76.39 | -70.63     | -13.00     | -63.39     | -5.76  | Peak   |
| 5    | 646.50  | -69.45 | -69.35     | -13.00     | -56.45     | -0.10  | Peak   |
| 6    | 939.10  | -66.27 | -70.90     | -13.00     | -53.27     | 4.63   | Peak   |
| 7 pp | 3440.00 | -50.20 | -64.55     | -13.00     | -37.20     | 14.35  | Peak   |

# Middle Channel

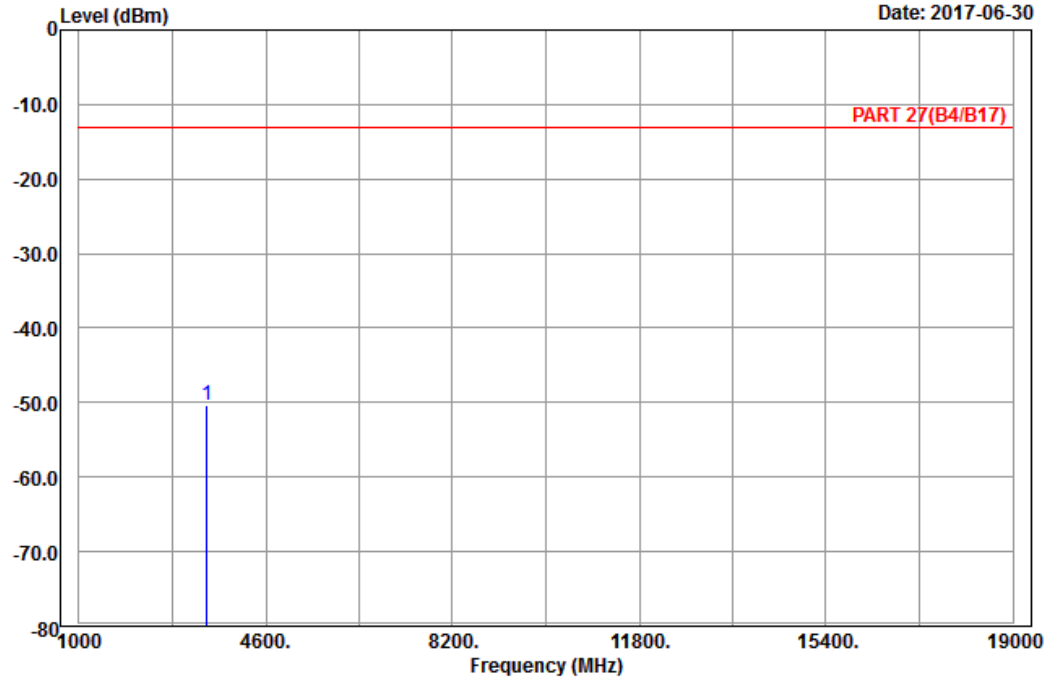


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2017-06-30



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : LTE\_Band 4\_Link\_CH20175  
Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3465.00 | -50.28 | -64.62 | -13.00 | -37.28 | 14.34  | Peak   |

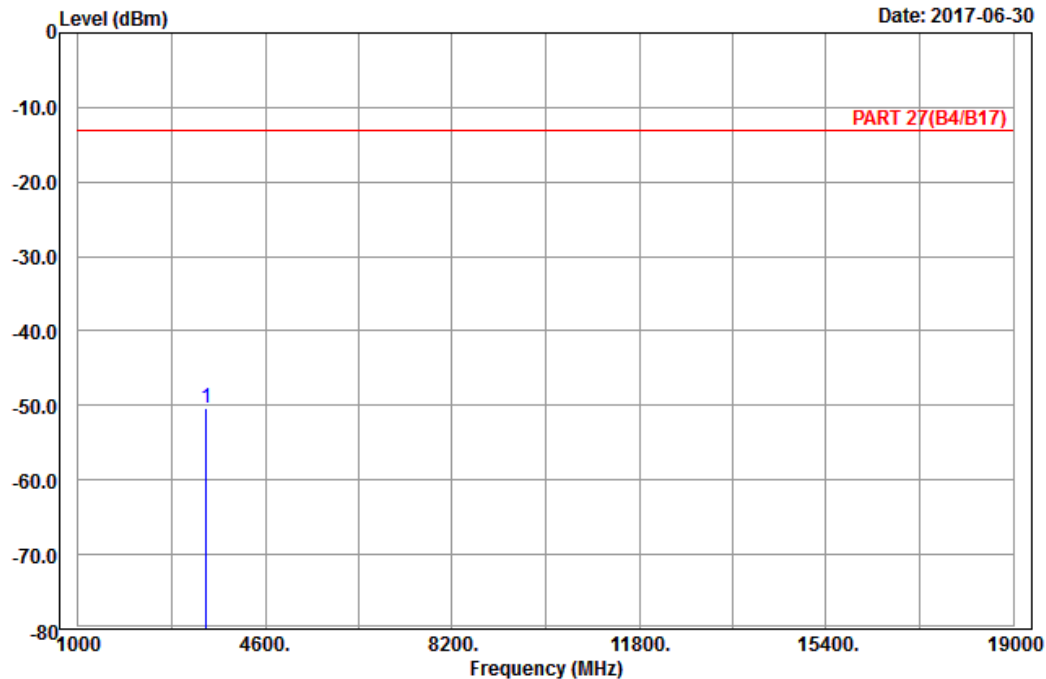


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-06-30



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : LTE\_Band 4\_Link\_CH20175  
Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3465.00 | -50.27 | -64.61 | -13.00 | -37.27 | 14.34  | Peak   |

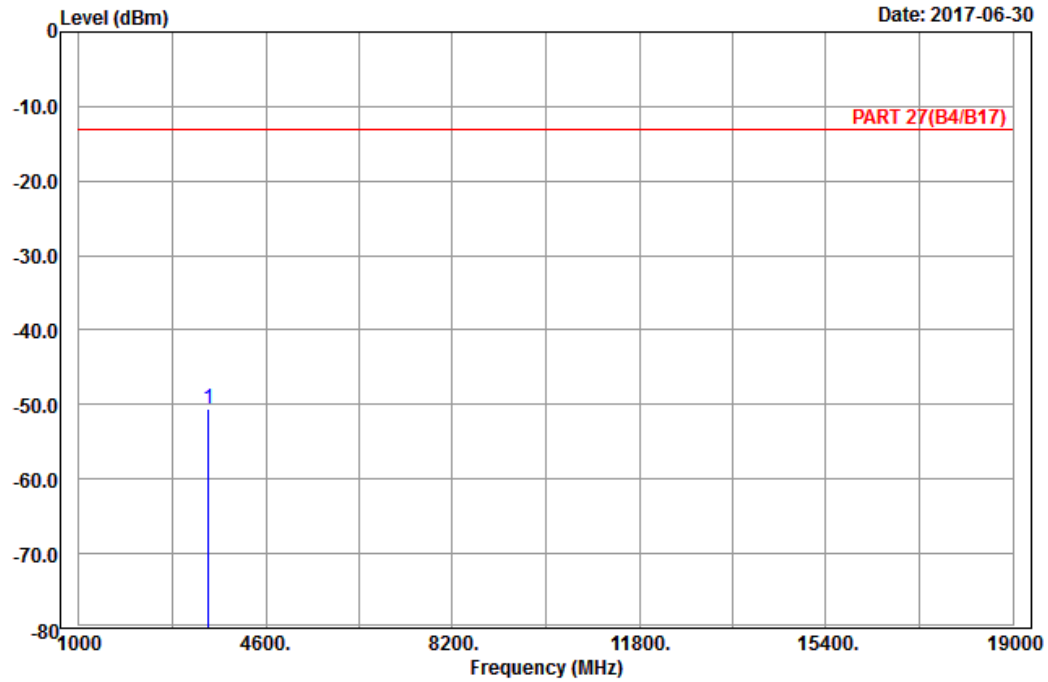
# High Channel



Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Horizontal  
Remark : LTE\_Band 4\_Link\_CH20300  
Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3490.00 | -50.55 | -64.86 | -13.00 | -37.55 | 14.31  | Peak   |

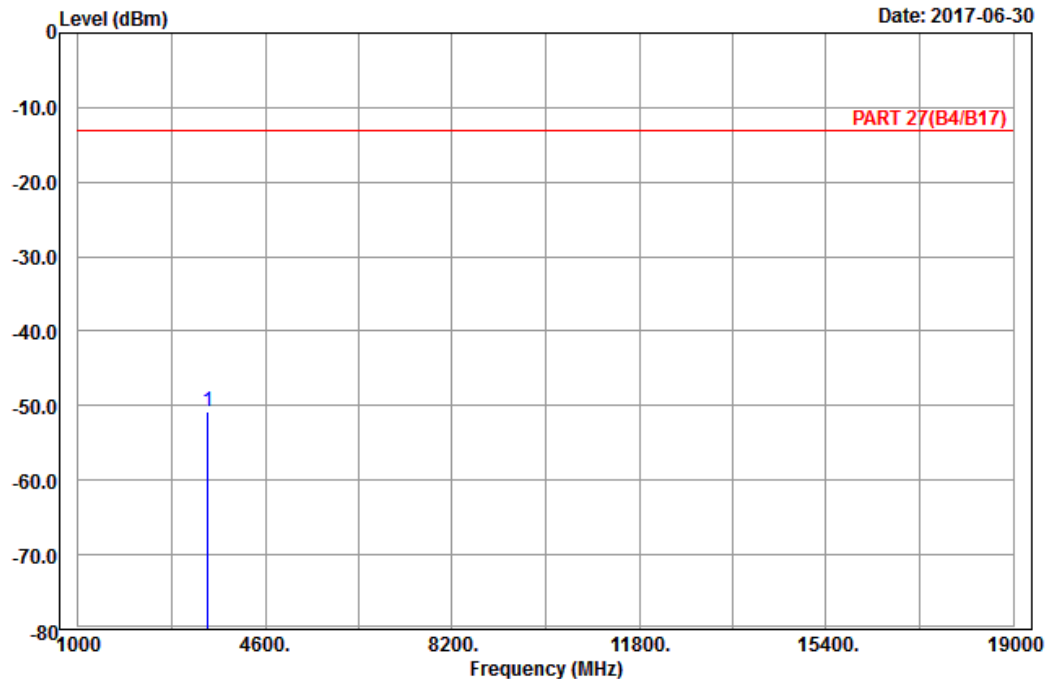


# Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 10

Date: 2017-06-30



Site : 966 chamber 1  
Condition: PART 27(B4/B17) Vertical  
Remark : LTE\_Band 4\_Link\_CH20300  
Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3490.00 | -50.88 | -65.19 | -13.00 | -37.88 | 14.31  | Peak   |

**LTE Band 13**  
**Channel Bandwidth: 10 MHz / QPSK**

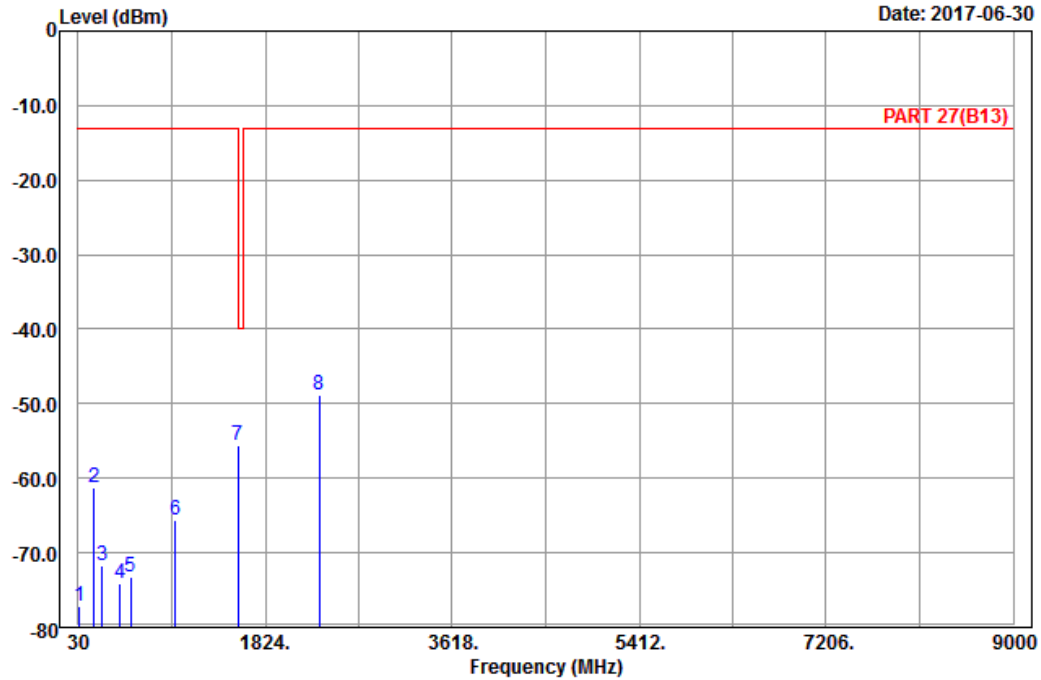


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2017-06-30



Site : 966 chamber 1  
Condition: PART 27(B13) Horizontal  
Remark : LTE\_Band 13\_Link\_CH23230  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 44.04   | -77.19 | -65.61     | -13.00     | -64.19     | -11.58 | Peak   |
| 2    | 179.85  | -61.19 | -55.51     | -13.00     | -48.19     | -5.68  | Peak   |
| 3    | 258.15  | -71.80 | -66.22     | -13.00     | -58.80     | -5.58  | Peak   |
| 4    | 428.80  | -74.19 | -70.81     | -13.00     | -61.19     | -3.38  | Peak   |
| 5    | 533.10  | -73.28 | -70.41     | -13.00     | -60.28     | -2.87  | Peak   |
| 6    | 961.50  | -65.57 | -70.71     | -13.00     | -52.57     | 5.14   | Peak   |
| 7 pp | 1564.00 | -55.53 | -62.39     | -40.00     | -15.53     | 6.86   | Peak   |
| 8    | 2346.00 | -48.78 | -59.72     | -13.00     | -35.78     | 10.94  | Peak   |

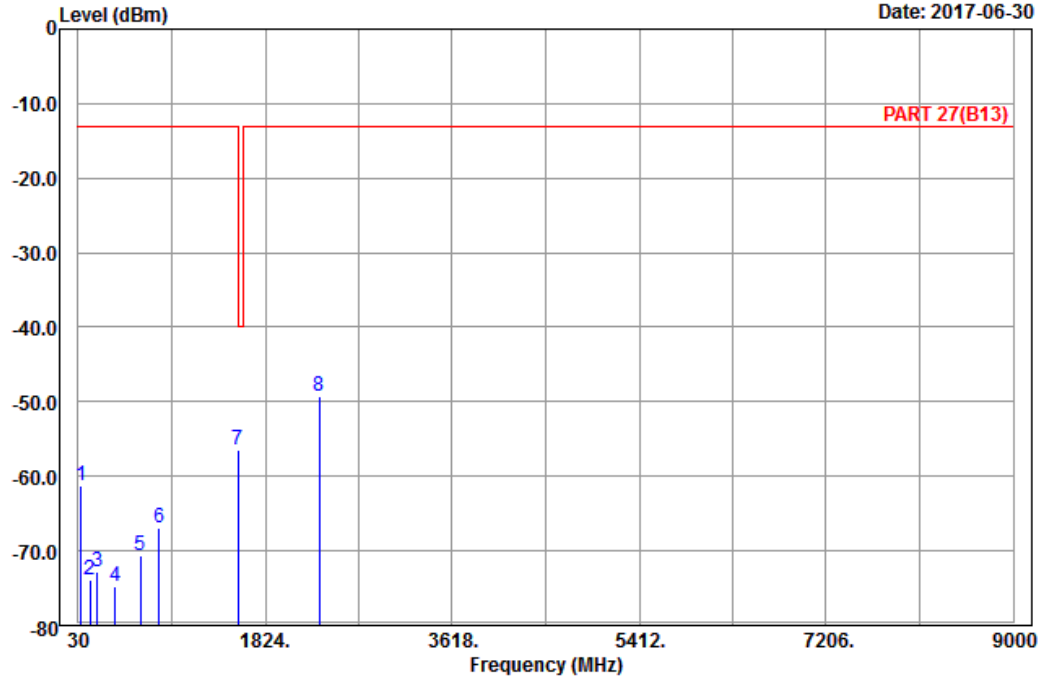


# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2017-06-30



Site : 966 chamber 1  
Condition: PART 27(B13) Vertical  
Remark : LTE\_Band 13\_Link\_CH23230  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 58.89   | -61.33 | -47.27     | -13.00     | -48.33     | -14.06 | Peak   |
| 2    | 145.29  | -73.84 | -66.01     | -13.00     | -60.84     | -7.83  | Peak   |
| 3    | 211.17  | -72.88 | -66.85     | -13.00     | -59.88     | -6.03  | Peak   |
| 4    | 385.40  | -74.73 | -71.21     | -13.00     | -61.73     | -3.52  | Peak   |
| 5    | 629.00  | -70.56 | -70.66     | -13.00     | -57.56     | 0.10   | Peak   |
| 6    | 805.40  | -66.98 | -68.94     | -13.00     | -53.98     | 1.96   | Peak   |
| 7 pp | 1564.00 | -56.55 | -63.41     | -40.00     | -16.55     | 6.86   | Peak   |
| 8    | 2346.00 | -49.27 | -60.21     | -13.00     | -36.27     | 10.94  | Peak   |

## 5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

## Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

The address and road map of all our labs can be found in our web site also.

--- END ---