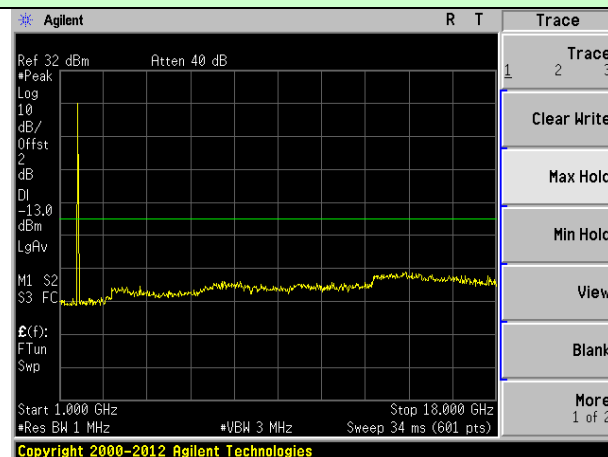
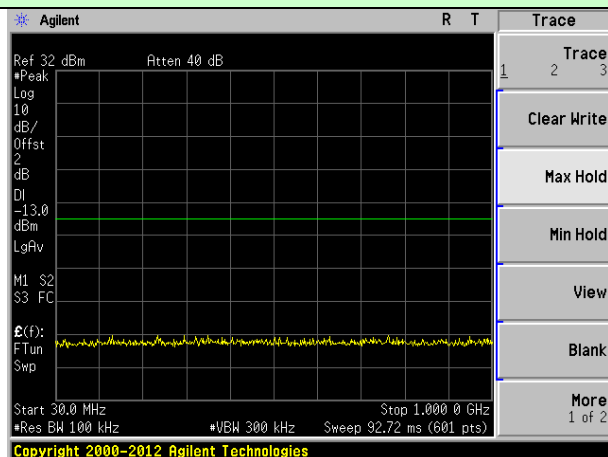
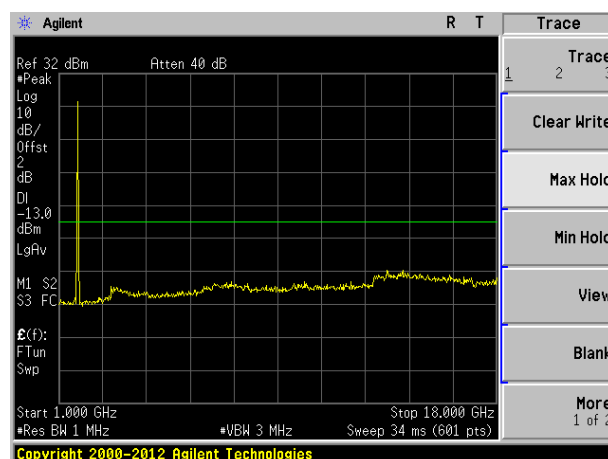
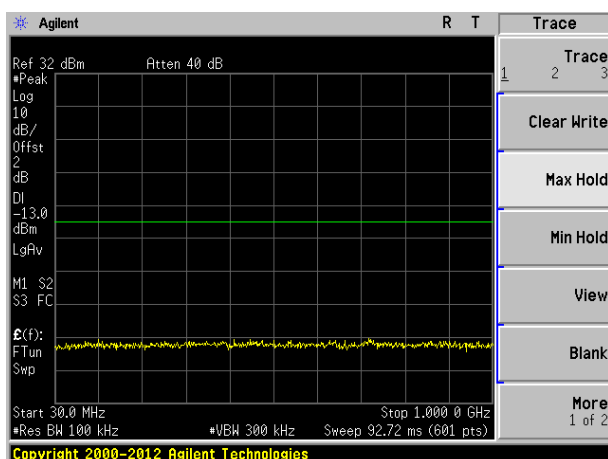


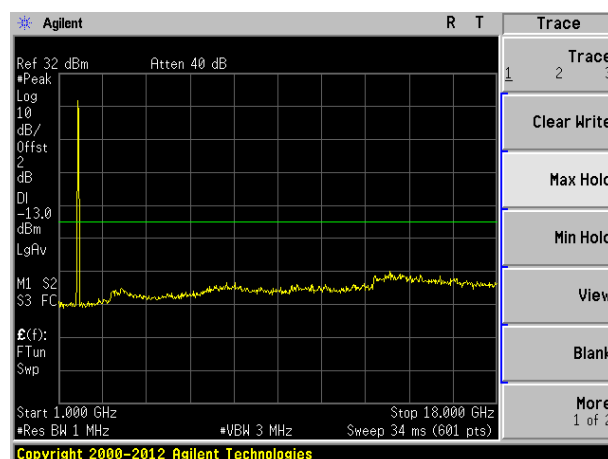
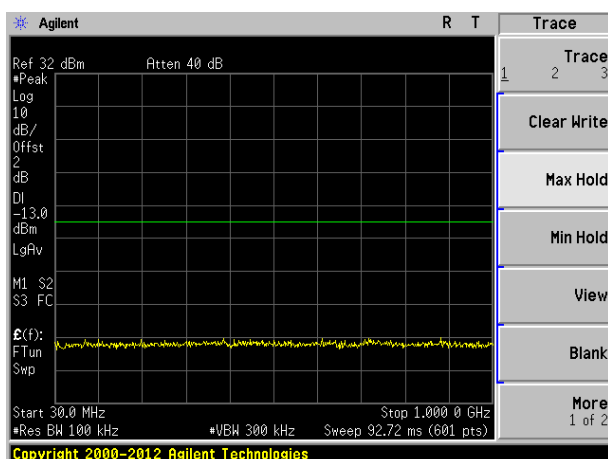
Test Mode: LTE Band 4 Channel Bandwidth: 15MHz



Lowest channel



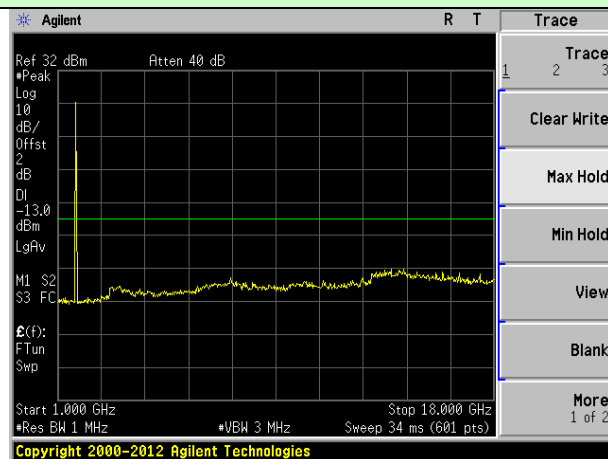
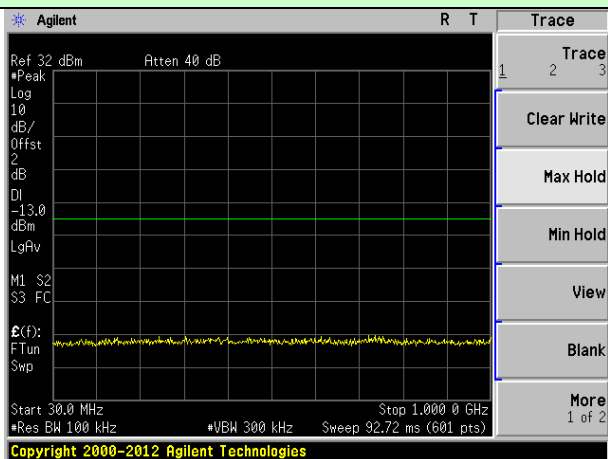
Middle channel



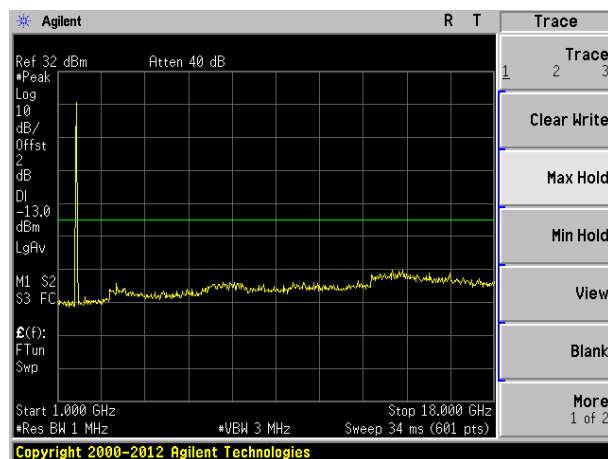
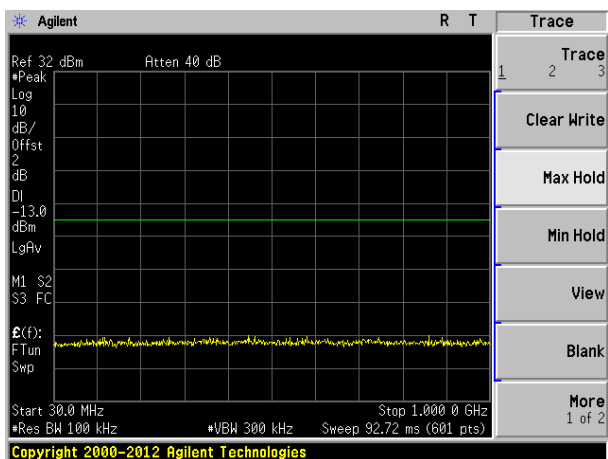
Highest channel

Test Mode: LTE Band 4

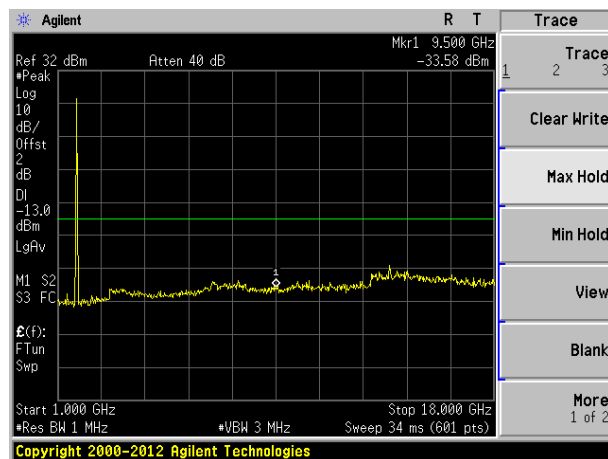
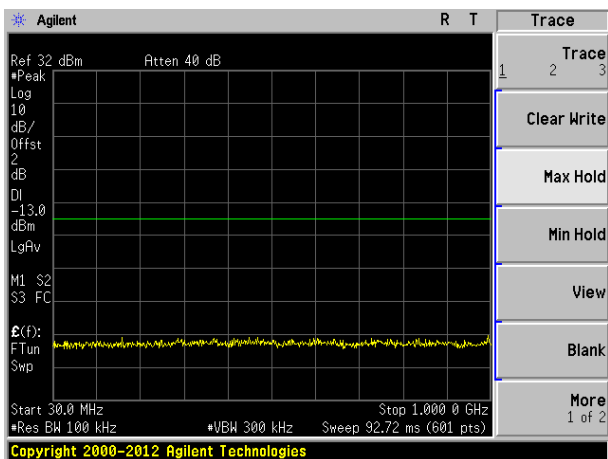
Channel Bandwidth: 20MHz



Lowest channel

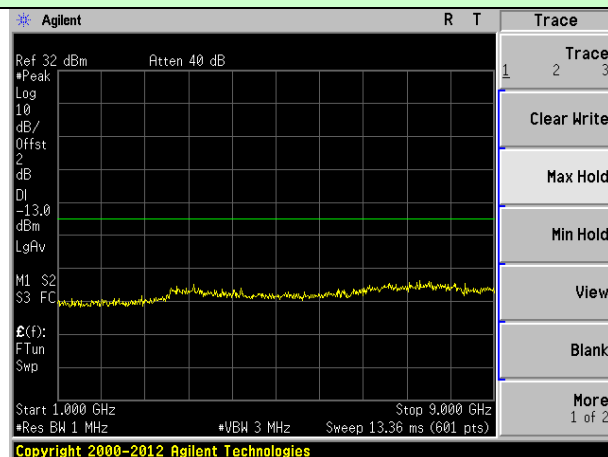
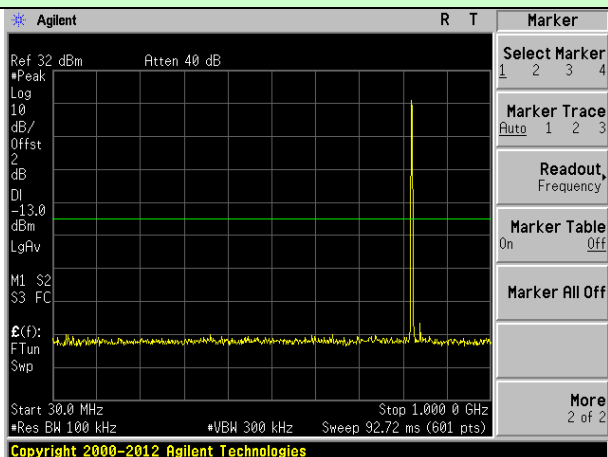


Middle channel

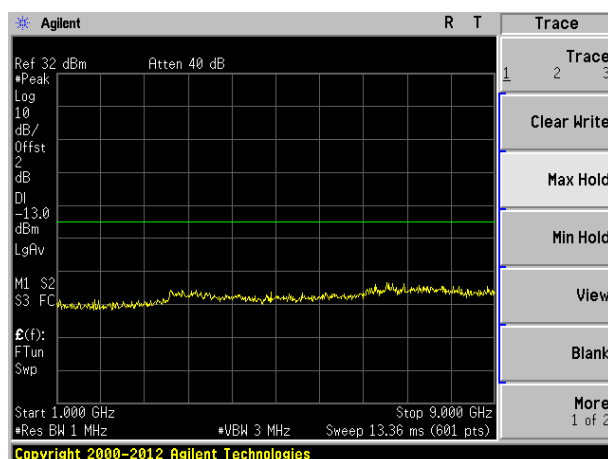
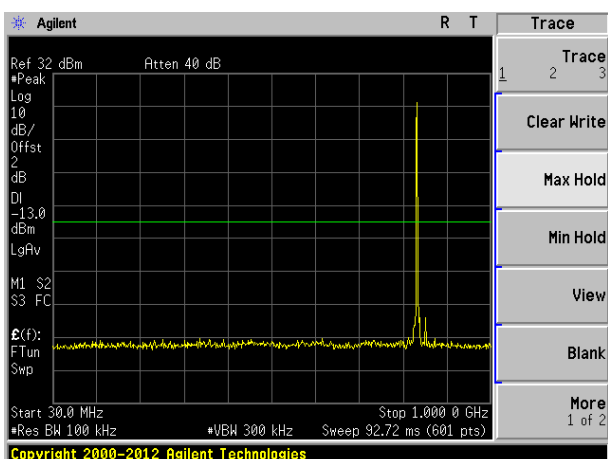


Highest channel

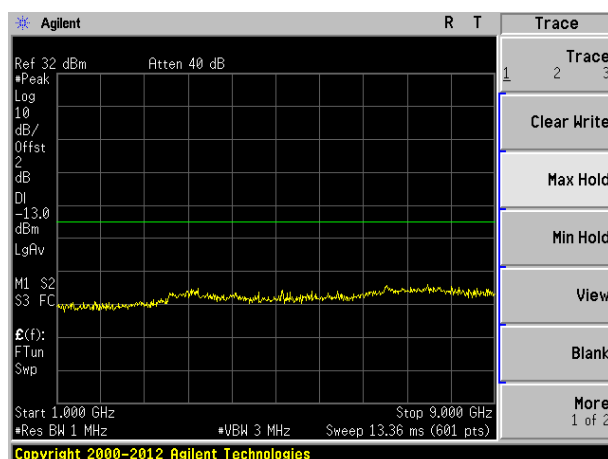
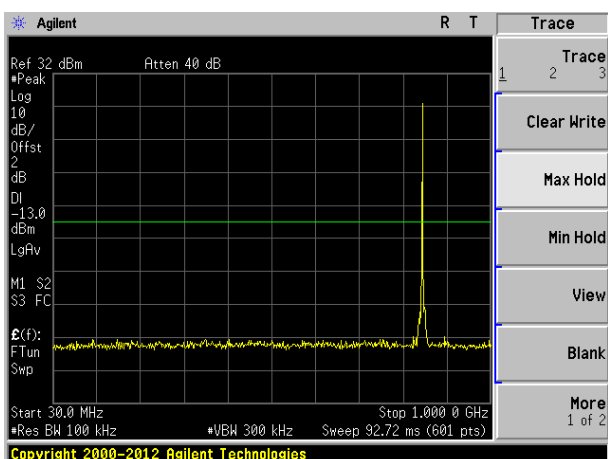
|                       |                           |
|-----------------------|---------------------------|
| Test Mode: LTE Band 5 | Channel Bandwidth: 1.4MHz |
|-----------------------|---------------------------|



Lowest channel



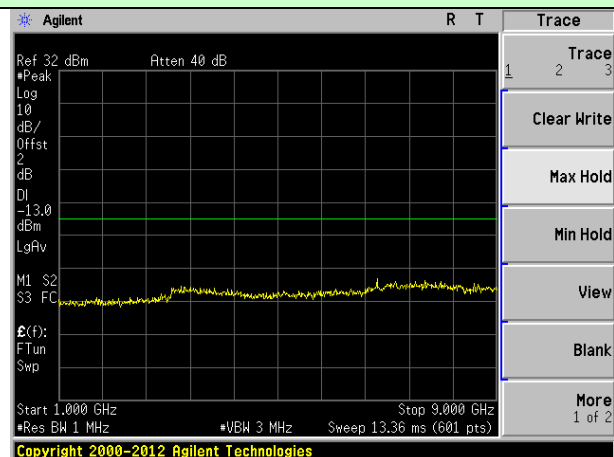
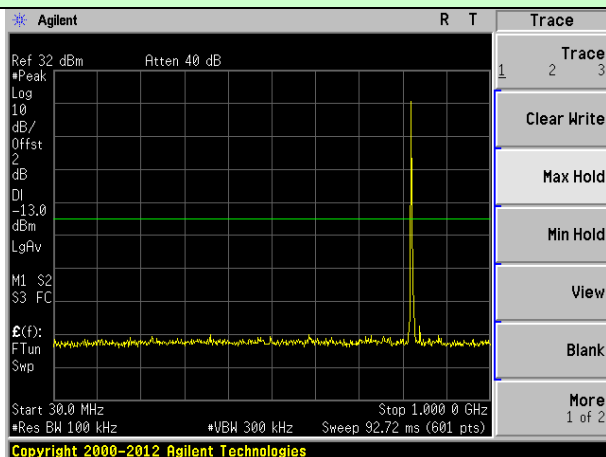
Middle channel



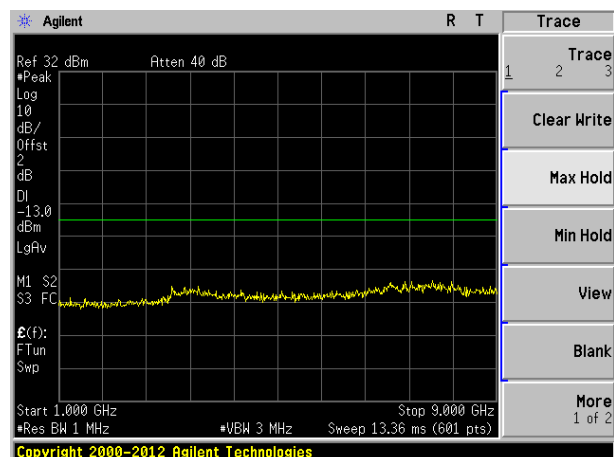
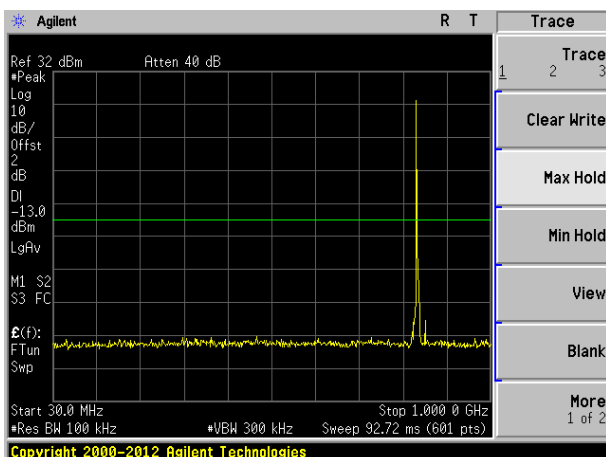
Highest channel

Test Mode: LTE Band 5

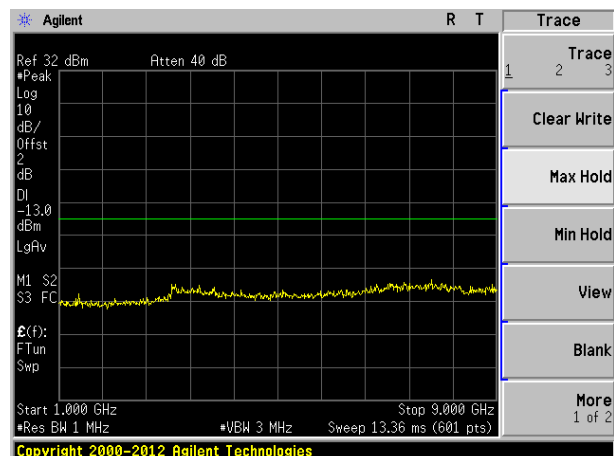
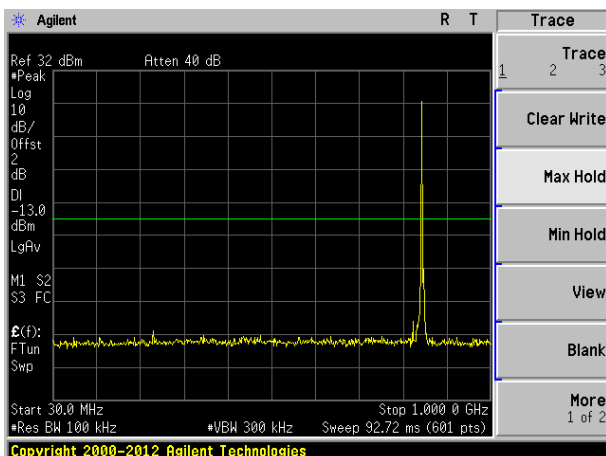
Channel Bandwidth: 3MHz



Lowest channel



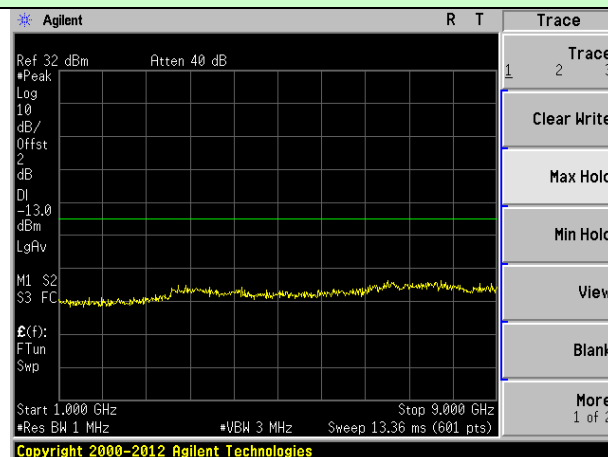
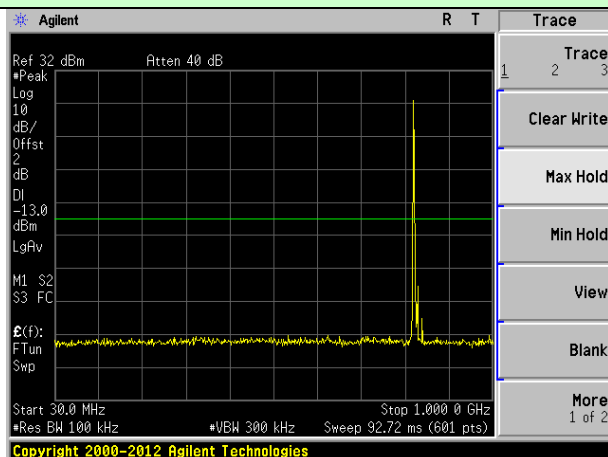
Middle channel



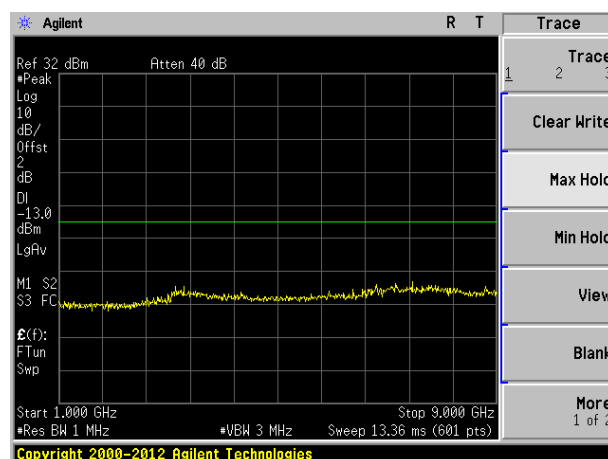
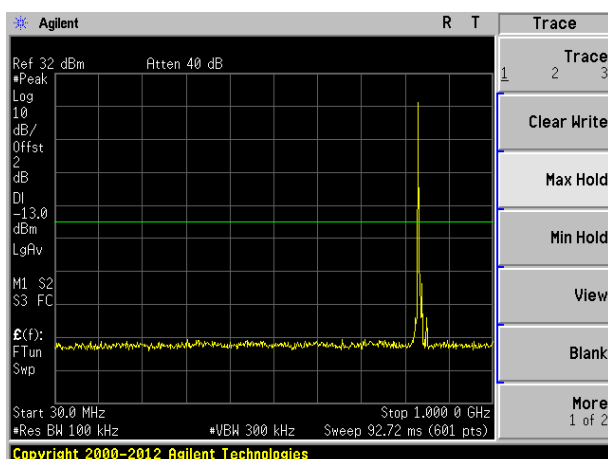
Highest channel

Test Mode: LTE Band 5

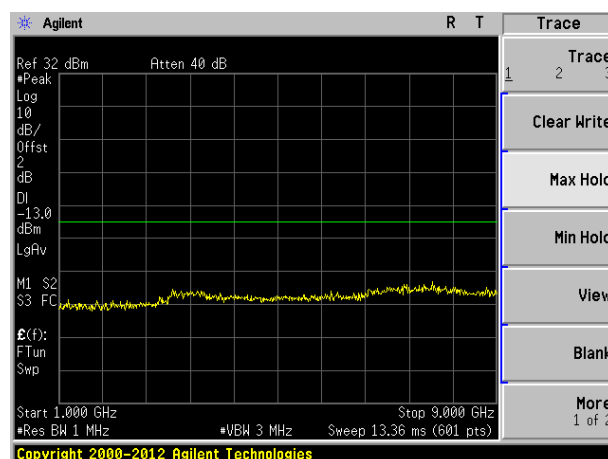
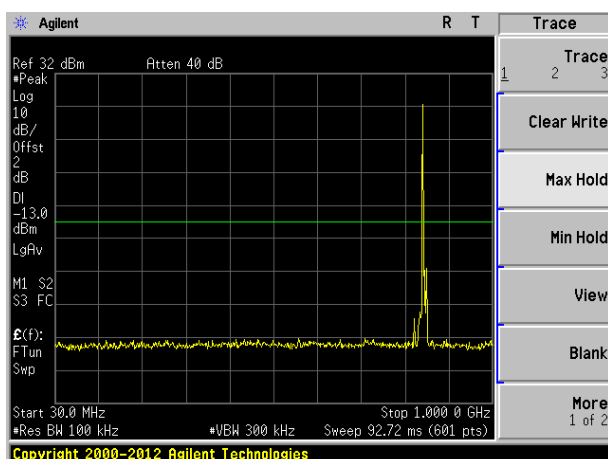
Channel Bandwidth: 5MHz



Lowest channel



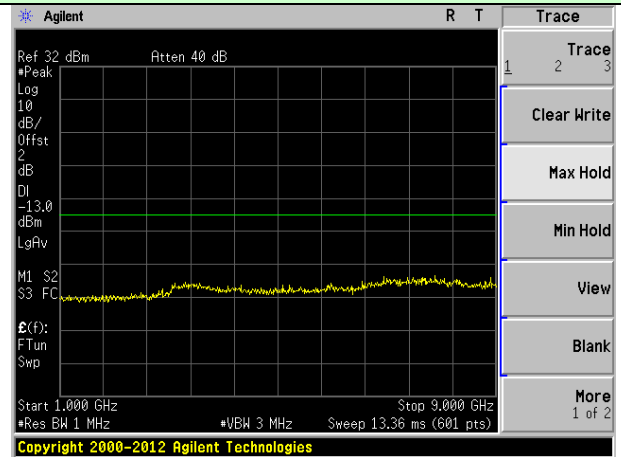
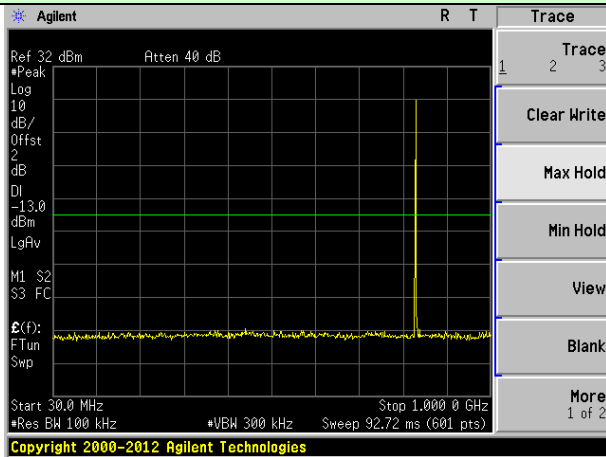
Middle channel



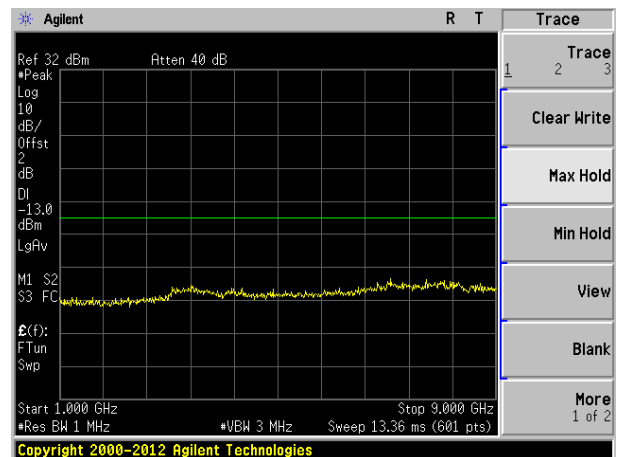
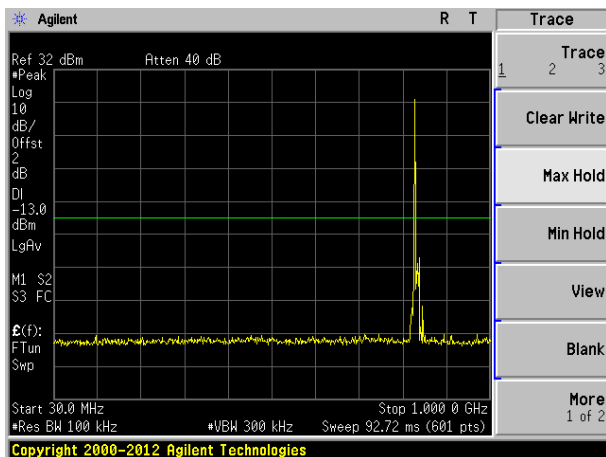
Highest channel

Test Mode: LTE Band 5

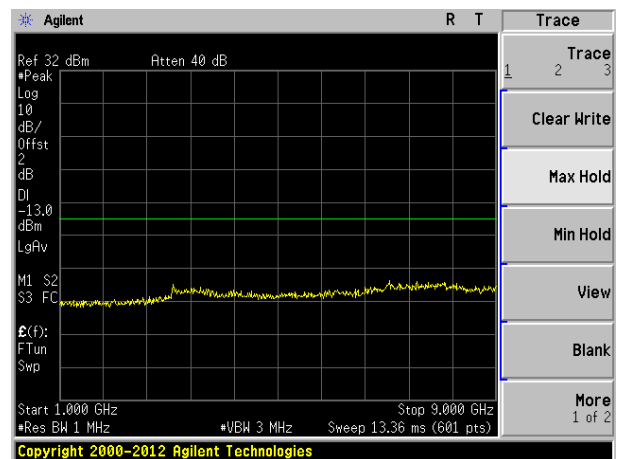
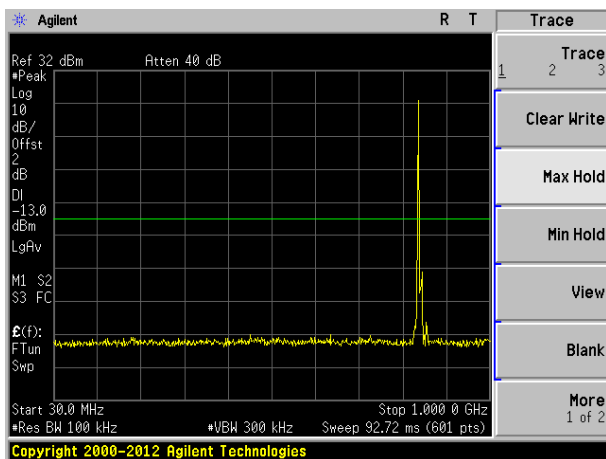
Channel Bandwidth: 10MHz



Lowest channel



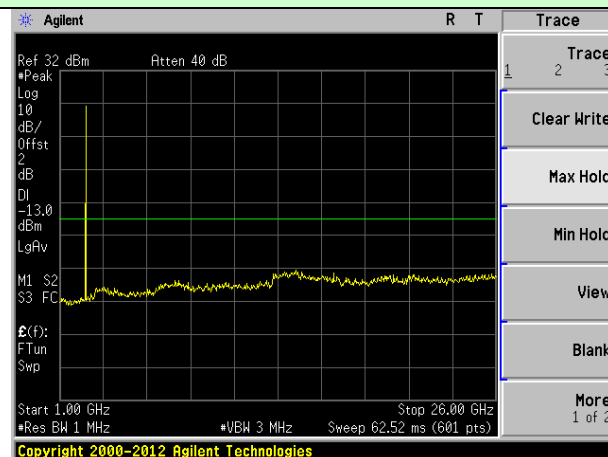
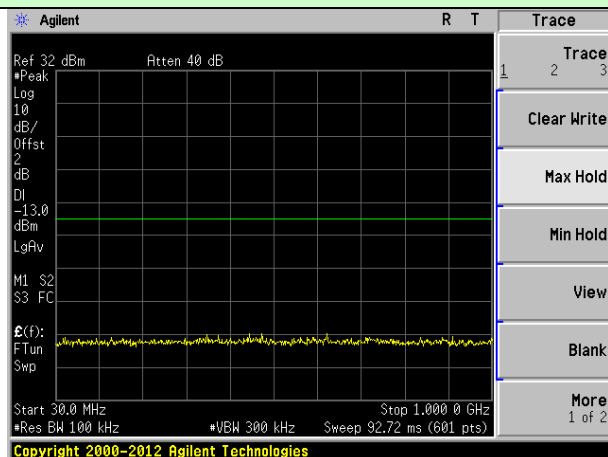
Middle channel



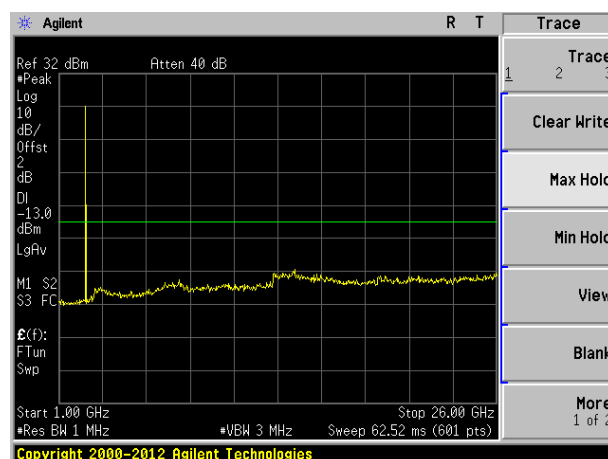
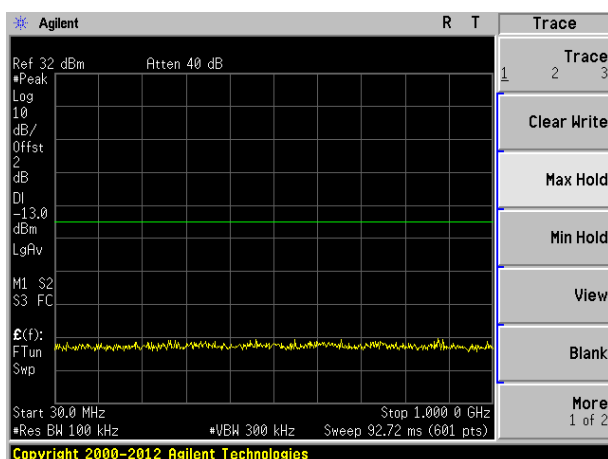
Highest channel

Test Mode: LTE Band 7

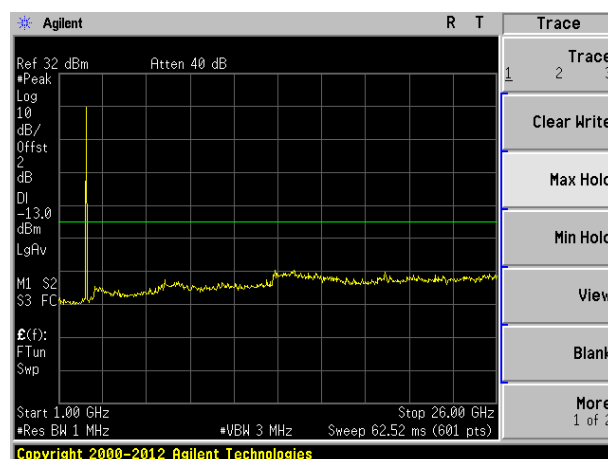
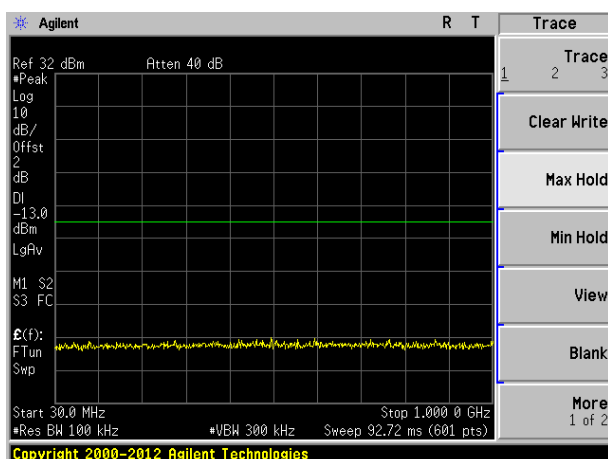
Channel Bandwidth: 5MHz



Lowest channel



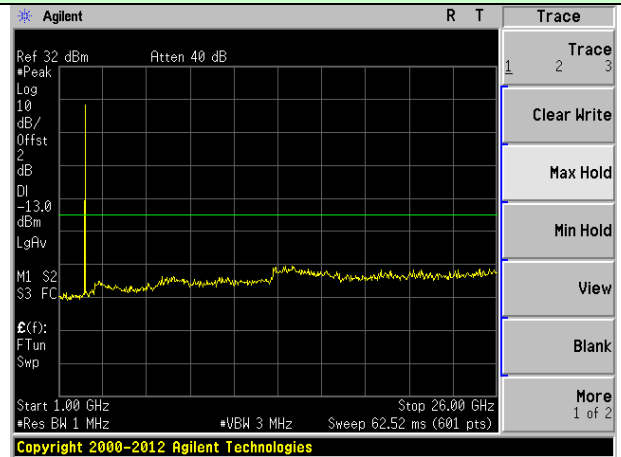
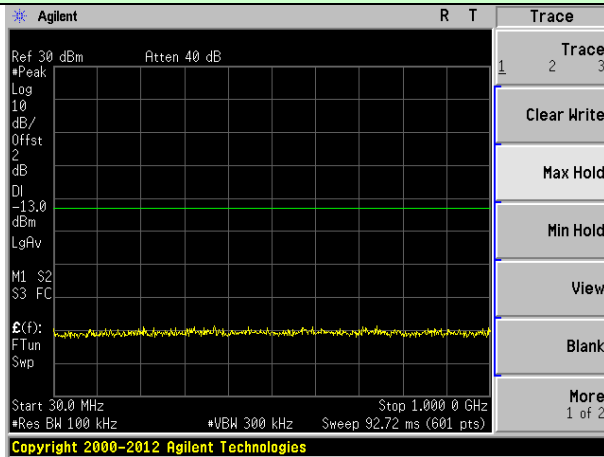
Middle channel



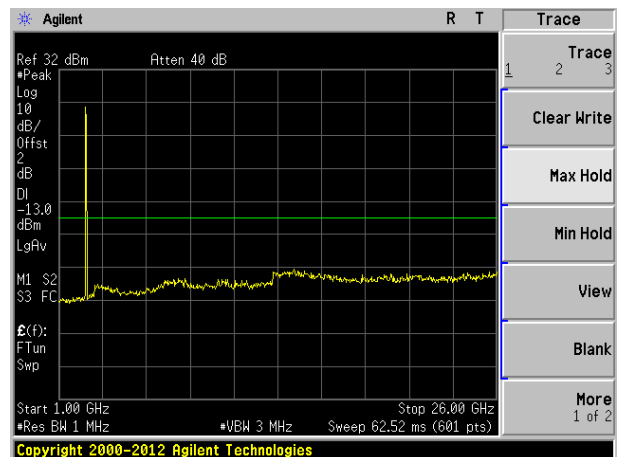
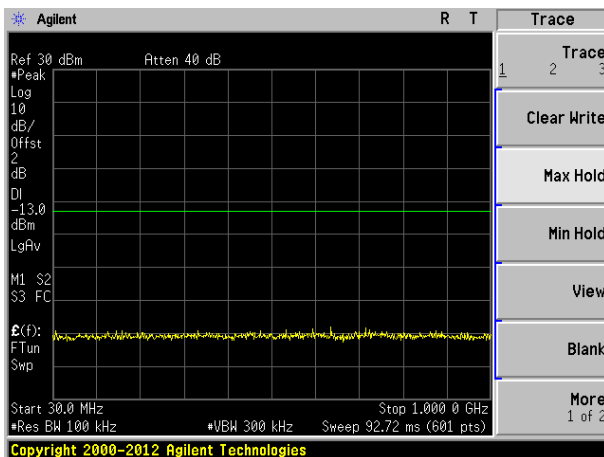
Highest channel

Test Mode: LTE Band 7

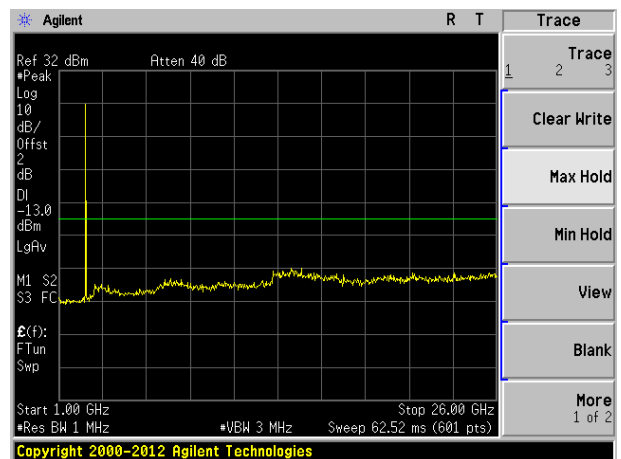
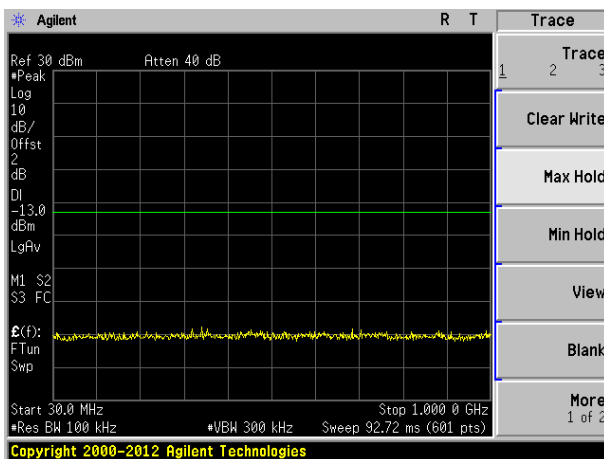
Channel Bandwidth: 10MHz



Lowest channel



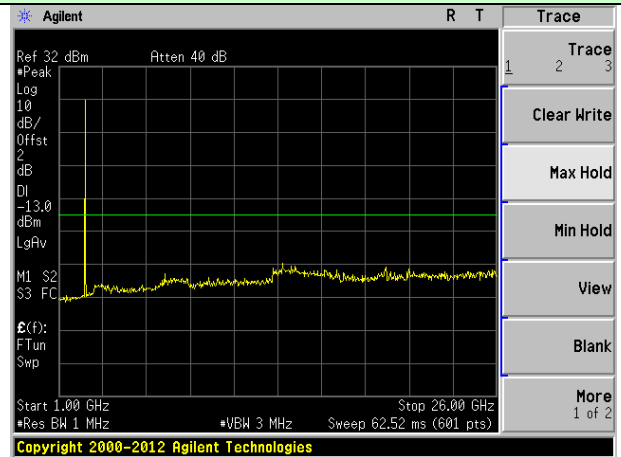
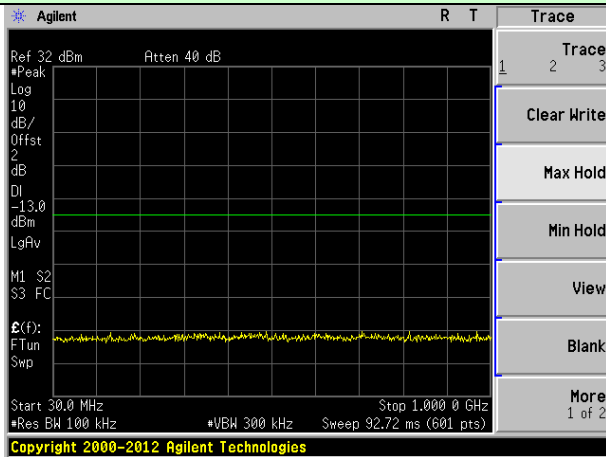
Middle channel



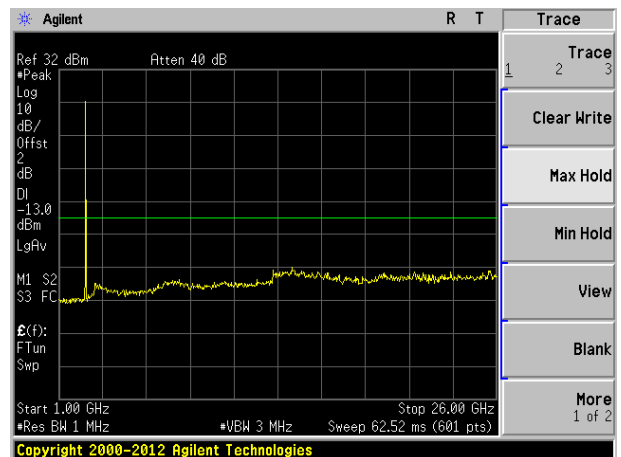
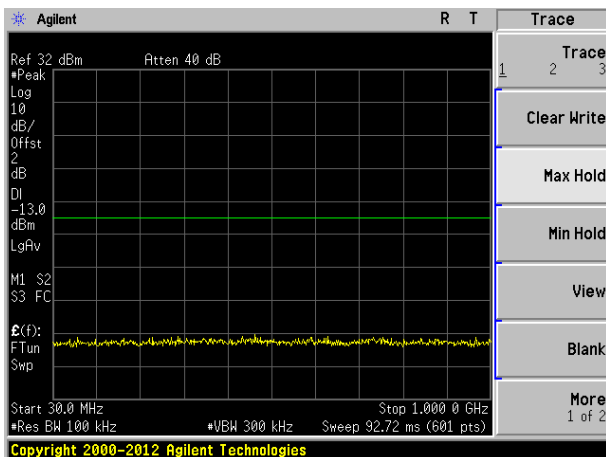
Highest channel

Test Mode: LTE Band 7

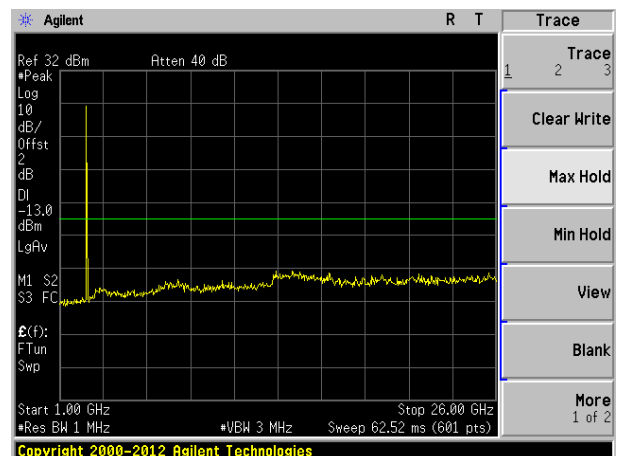
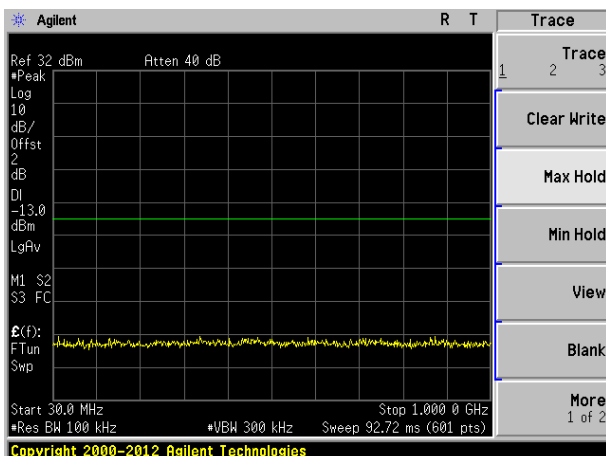
Channel Bandwidth: 15MHz



Lowest channel

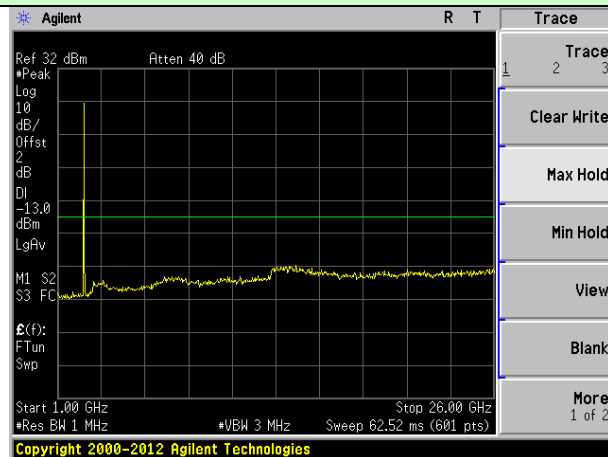
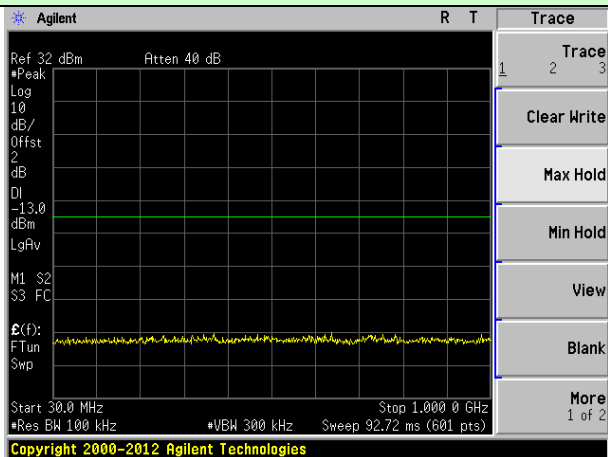


Middle channel

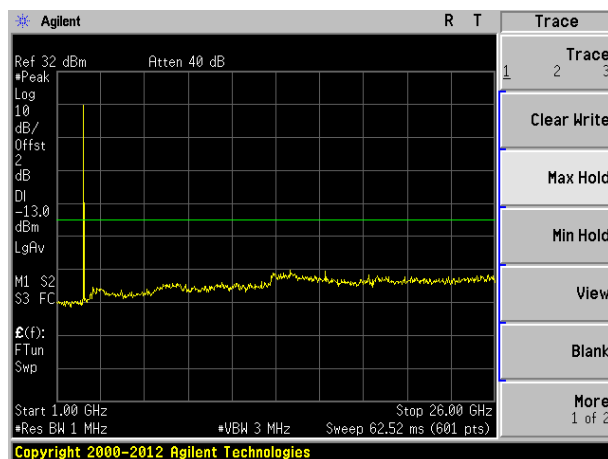
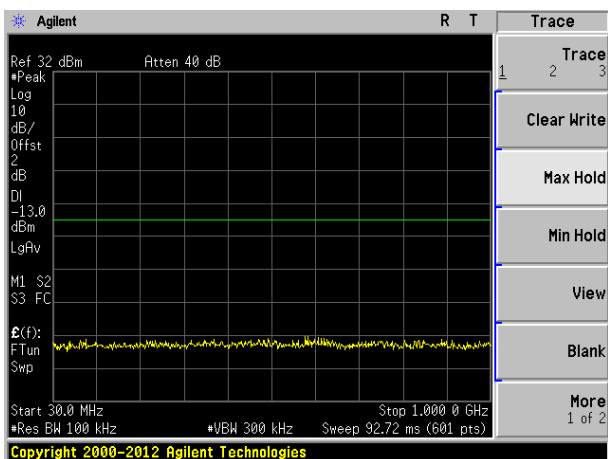


Highest channel

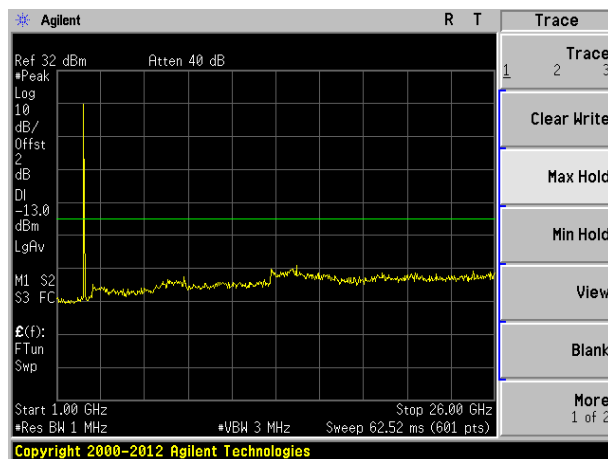
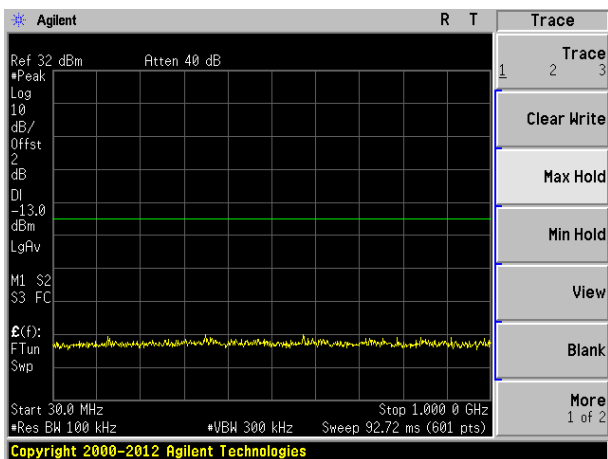
|                       |                          |
|-----------------------|--------------------------|
| Test Mode: LTE Band 7 | Channel Bandwidth: 20MHz |
|-----------------------|--------------------------|



Lowest channel

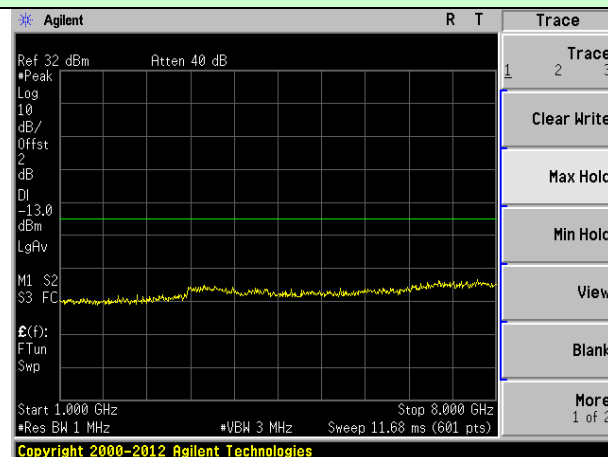
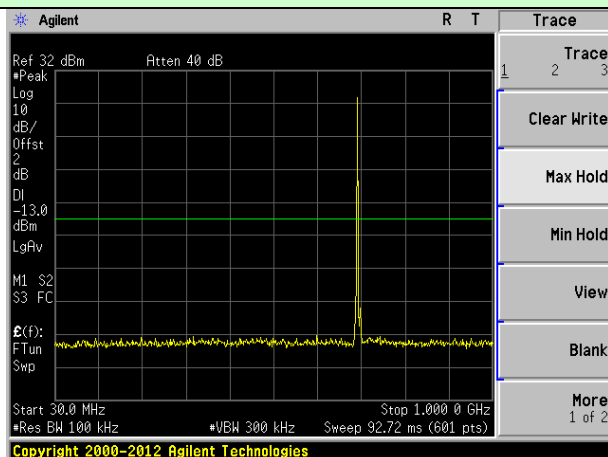


Middle channel

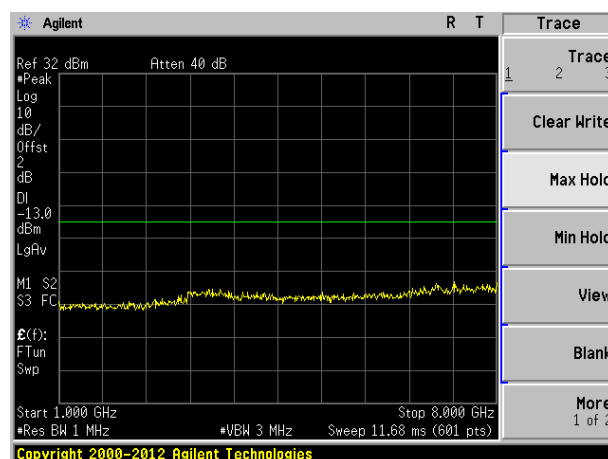
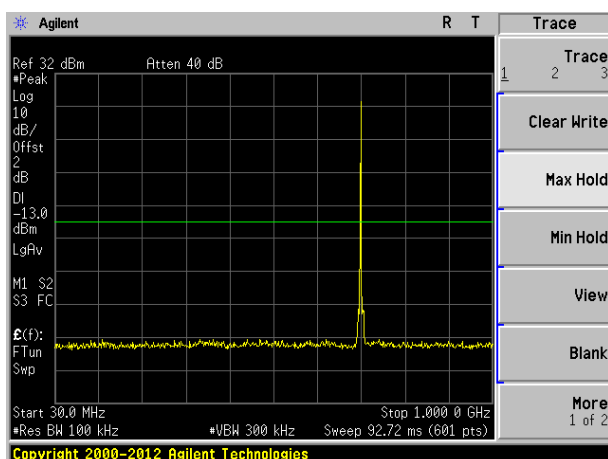


Highest channel

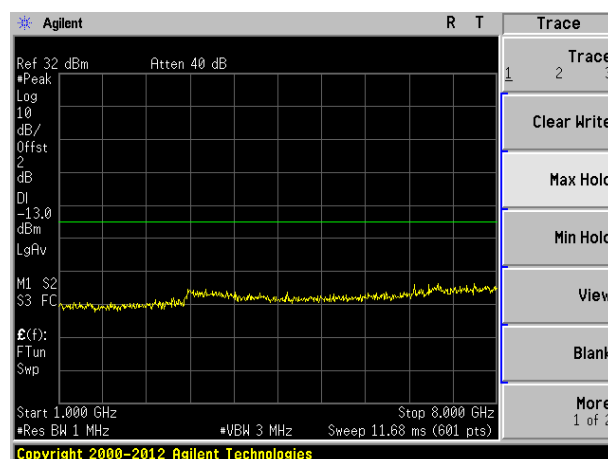
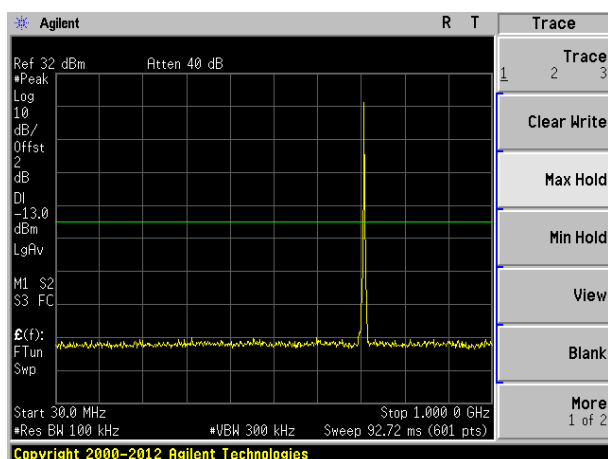
|                        |                           |
|------------------------|---------------------------|
| Test Mode: LTE Band 12 | Channel Bandwidth: 1.4MHz |
|------------------------|---------------------------|



Lowest channel

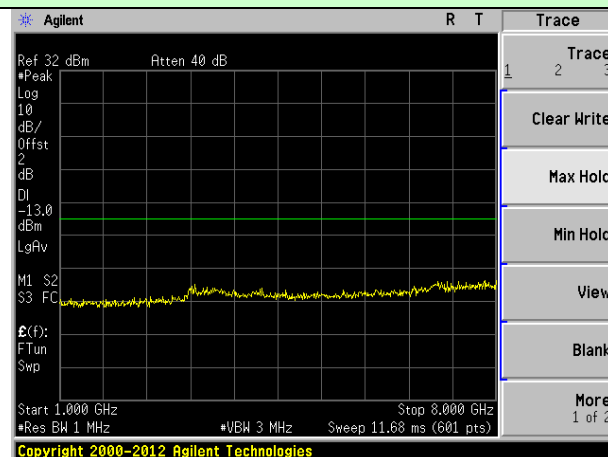
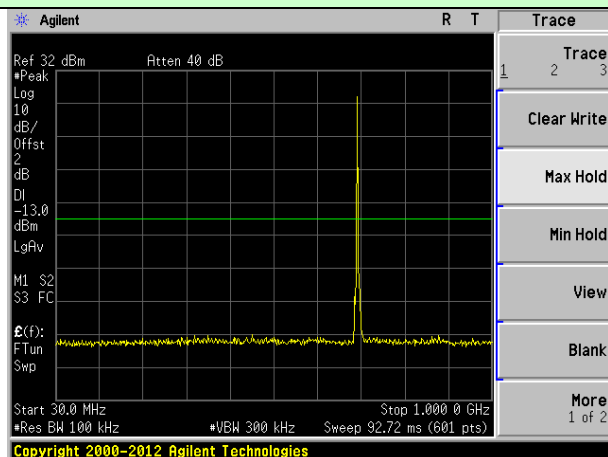


Middle channel

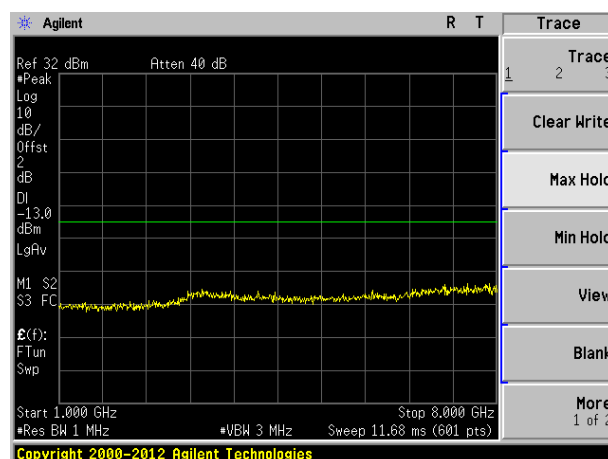
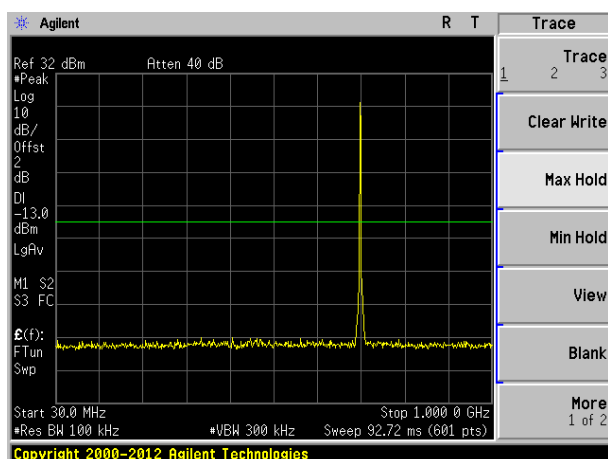


Highest channel

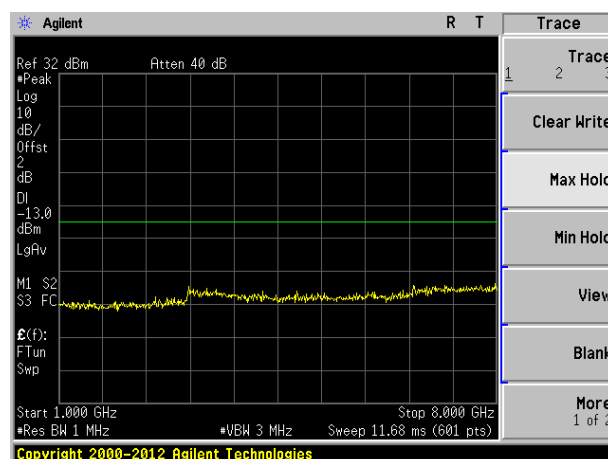
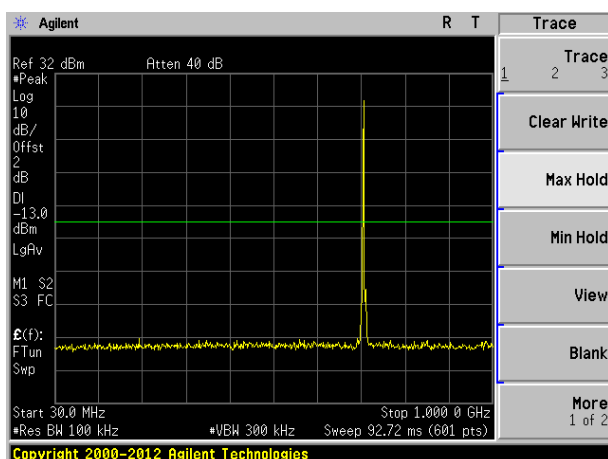
|                        |                         |
|------------------------|-------------------------|
| Test Mode: LTE Band 12 | Channel Bandwidth: 3MHz |
|------------------------|-------------------------|



Lowest channel

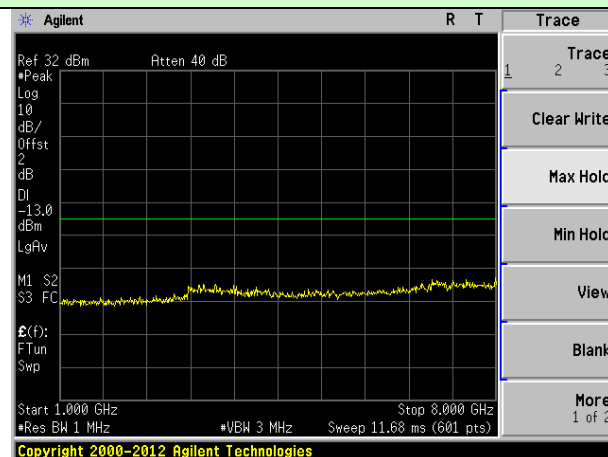
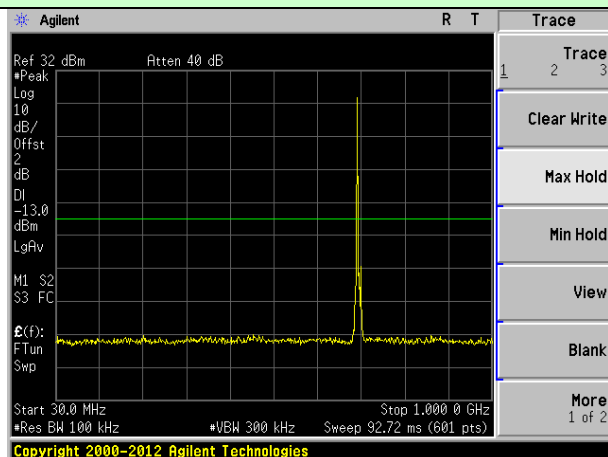


Middle channel

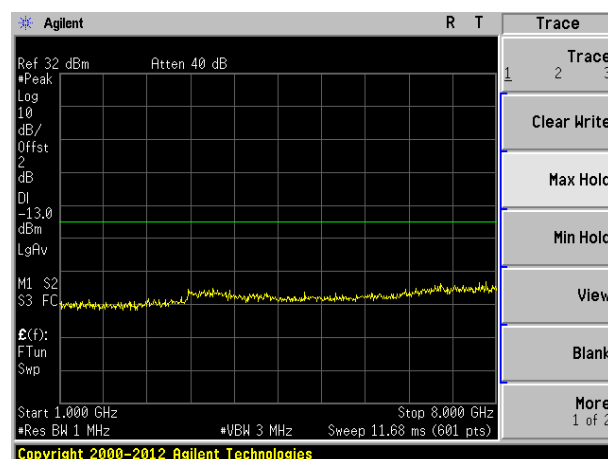
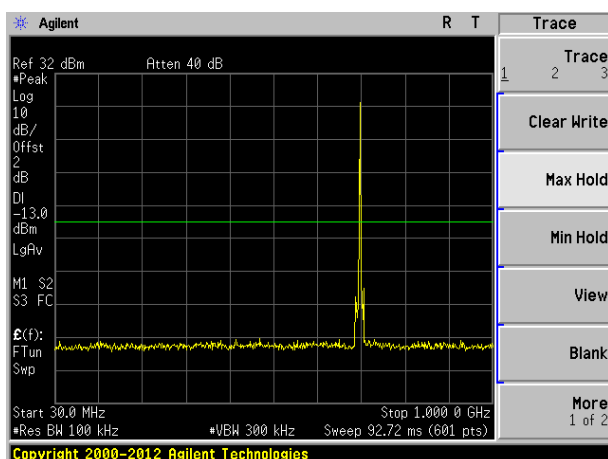


Highest channel

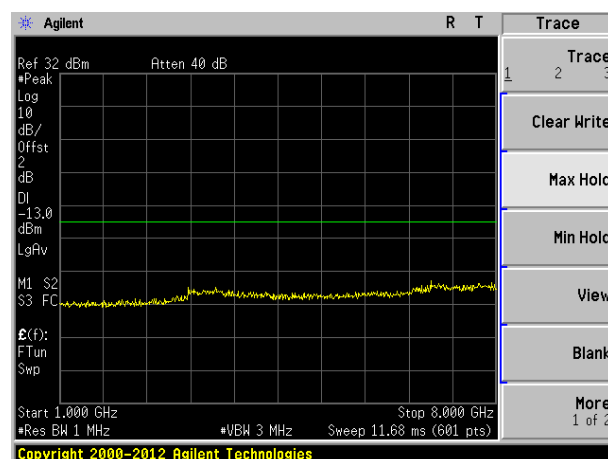
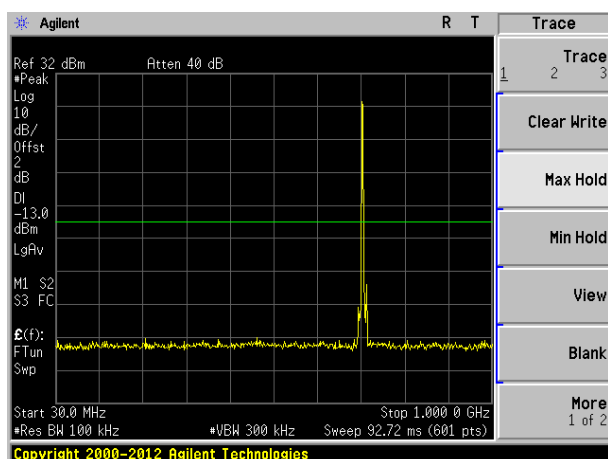
|                        |                         |
|------------------------|-------------------------|
| Test Mode: LTE Band 12 | Channel Bandwidth: 5MHz |
|------------------------|-------------------------|



Lowest channel



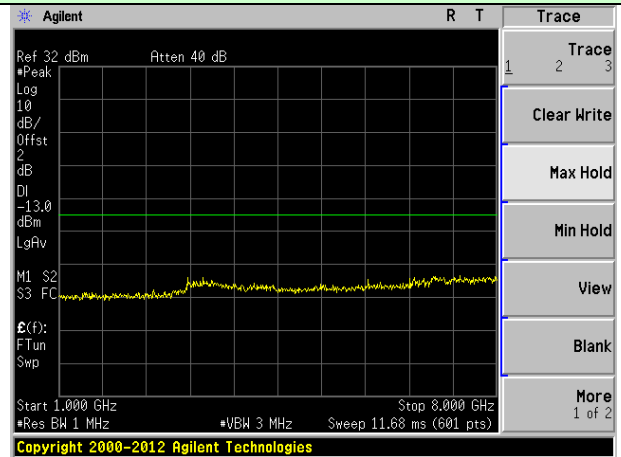
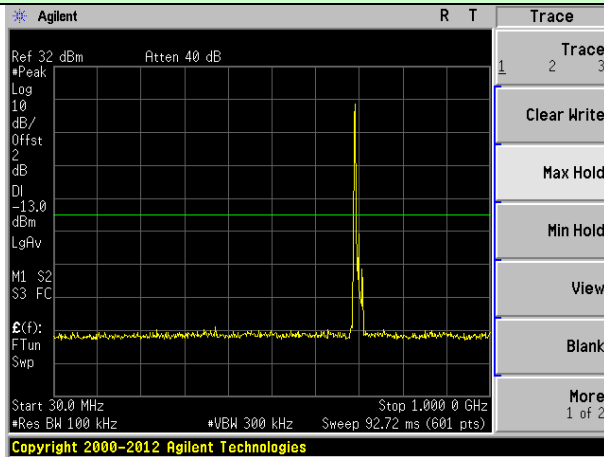
Middle channel



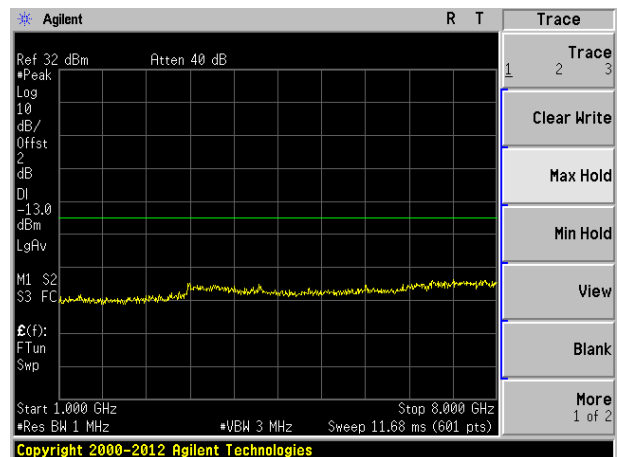
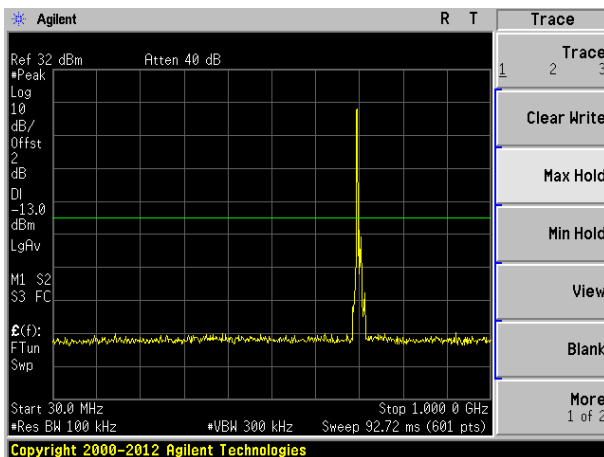
Highest channel

Test Mode: LTE Band 12

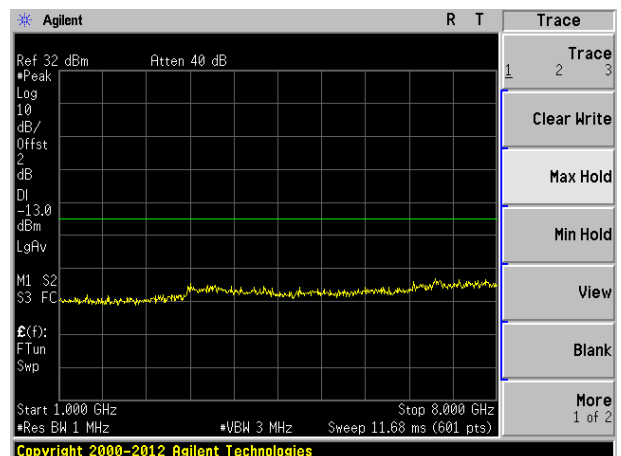
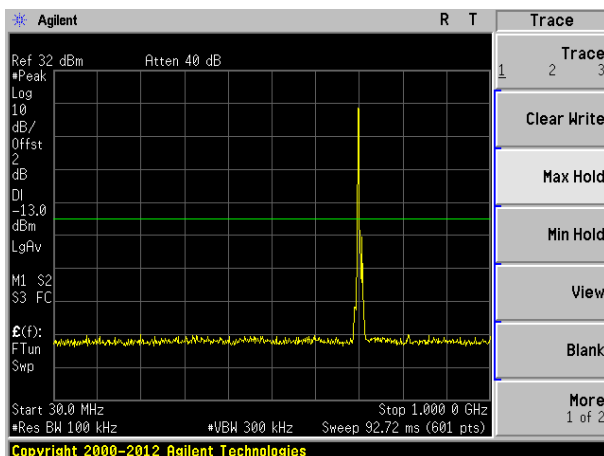
Channel Bandwidth: 10MHz



Lowest channel



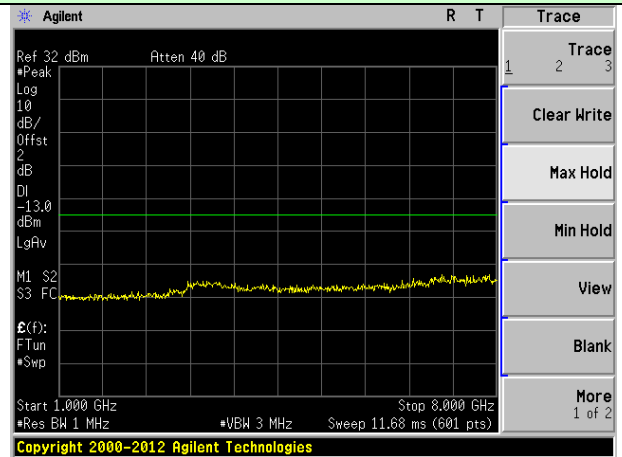
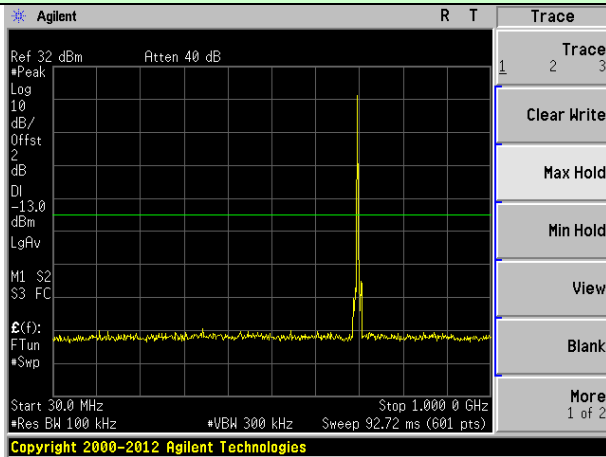
Middle channel



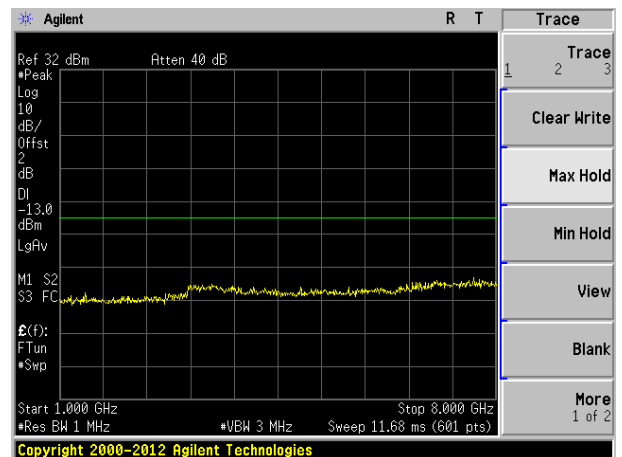
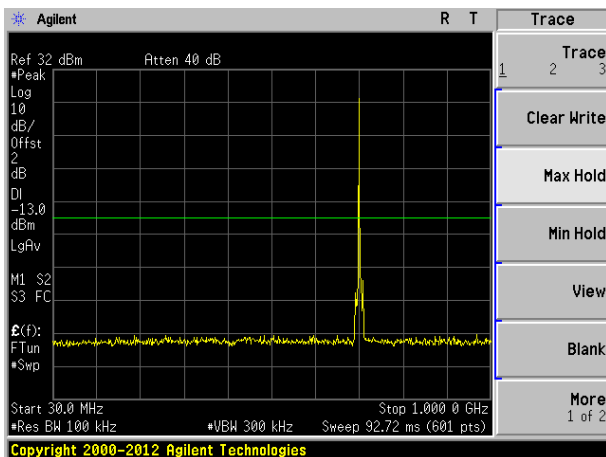
Highest channel

Test Mode: LTE Band 17

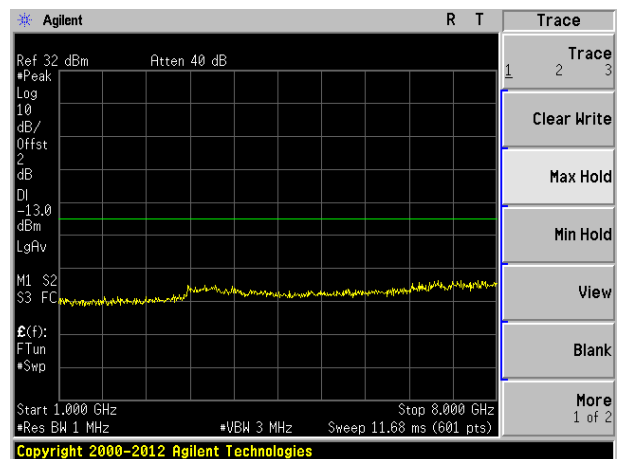
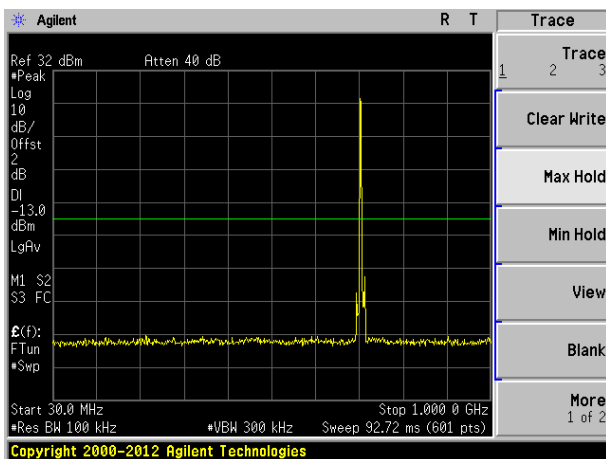
Channel Bandwidth: 5MHz



Lowest channel

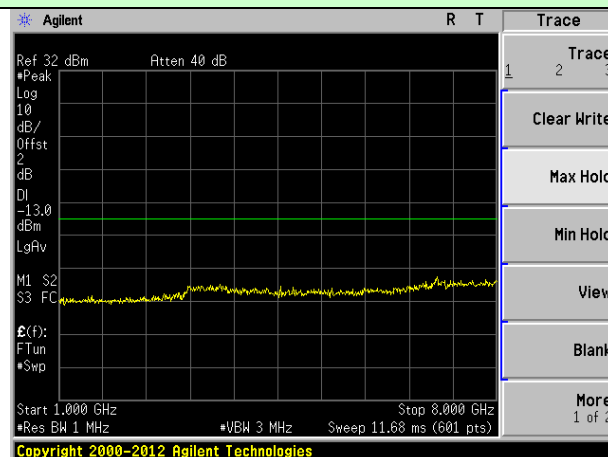
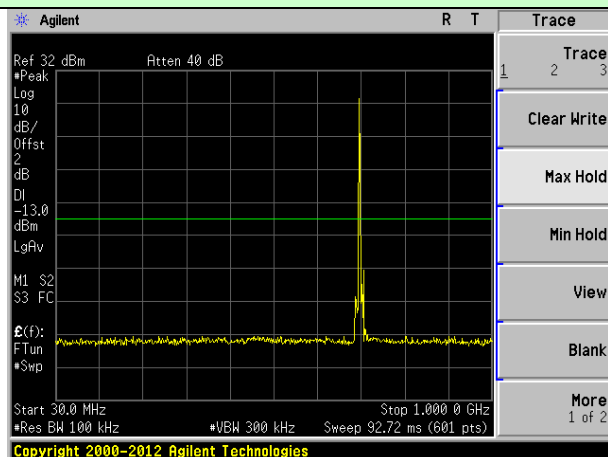


Middle channel

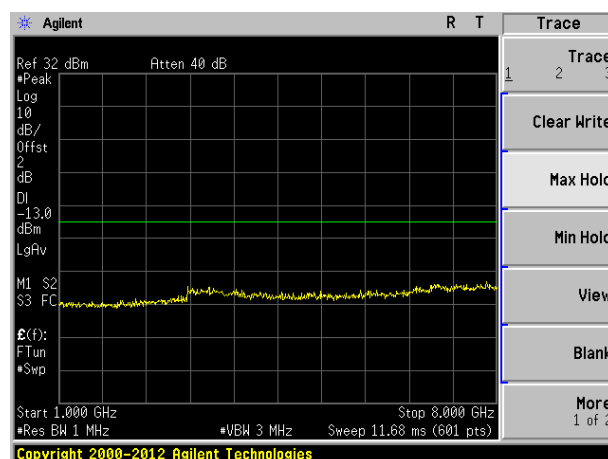
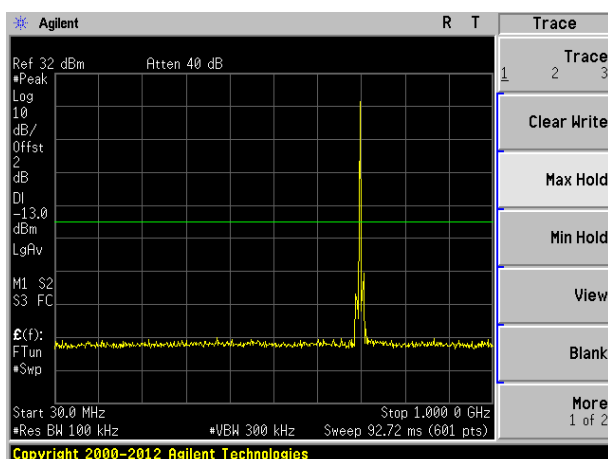


Highest channel

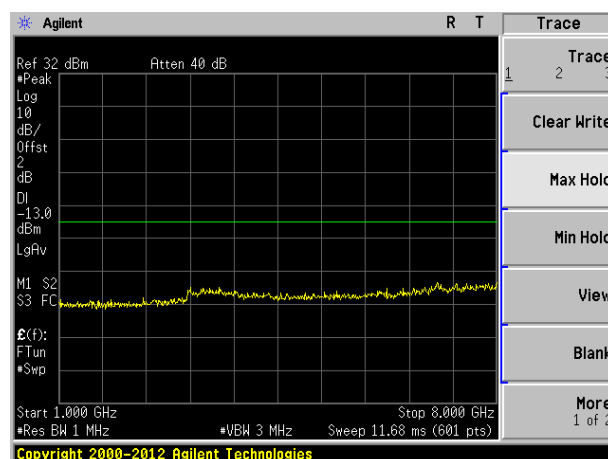
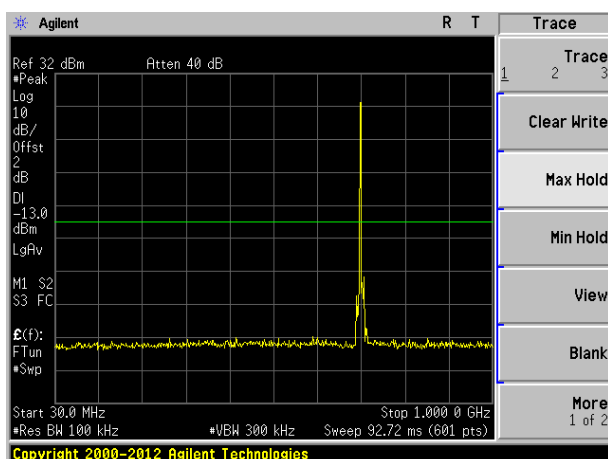
|                        |                          |
|------------------------|--------------------------|
| Test Mode: LTE Band 17 | Channel Bandwidth: 10MHz |
|------------------------|--------------------------|



Lowest channel



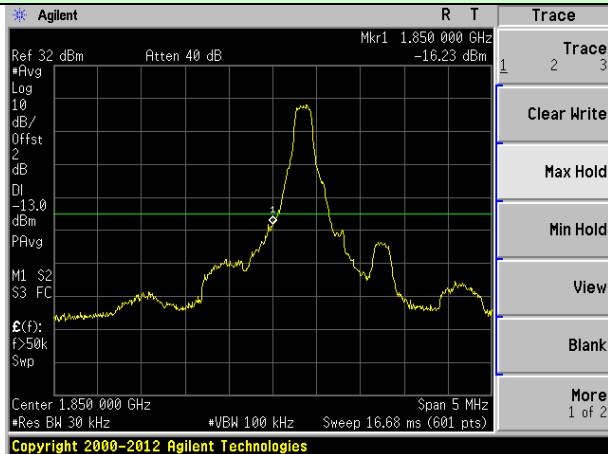
Middle channel



Highest channel

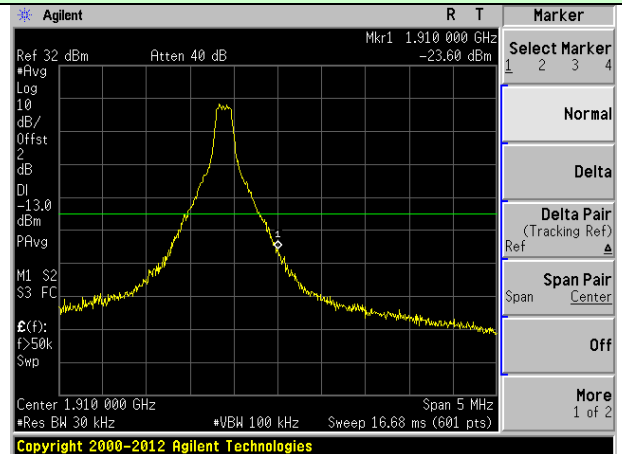
**Band Edge:  
QPSK mode:**

1.4MHz Bandwidth (RB size:1# RB offset:0#)



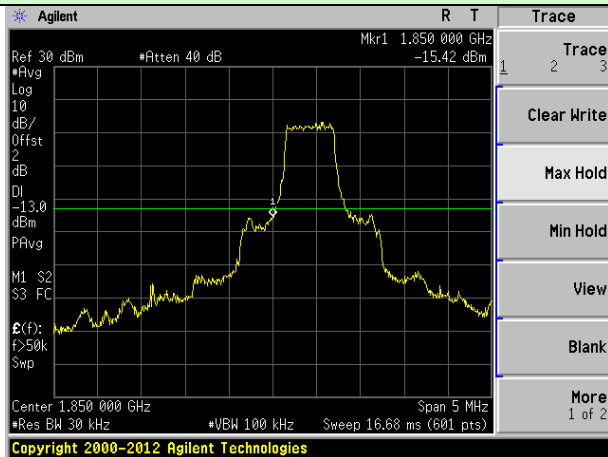
Lowest channel

1.4MHz Bandwidth (RB size:1# RB offset:5#)



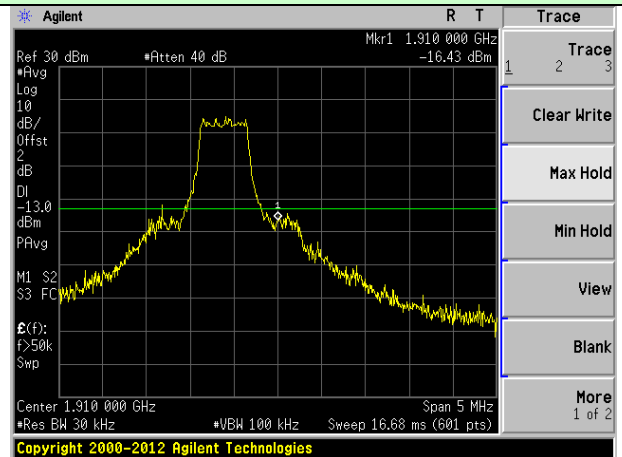
Highest channel

1.4MHz Bandwidth (RB size:3# RB offset:0#)



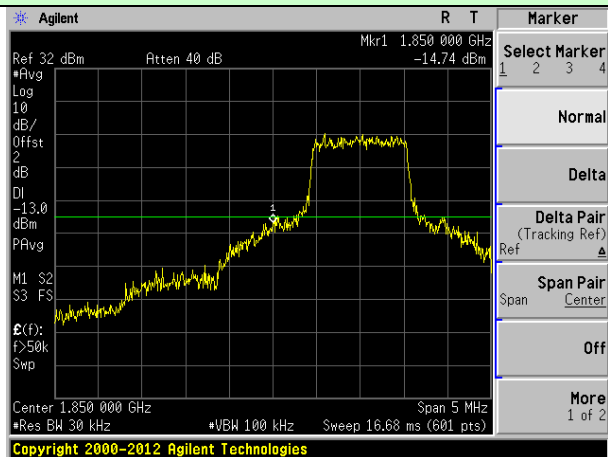
Lowest channel

1.4MHz Bandwidth (RB size:3# RB offset:2#)



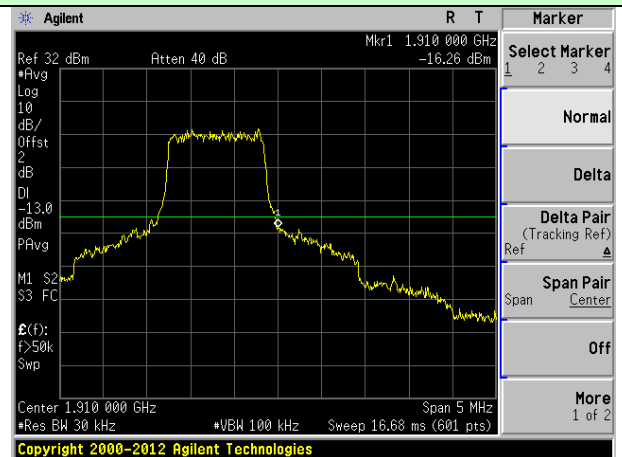
Highest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)

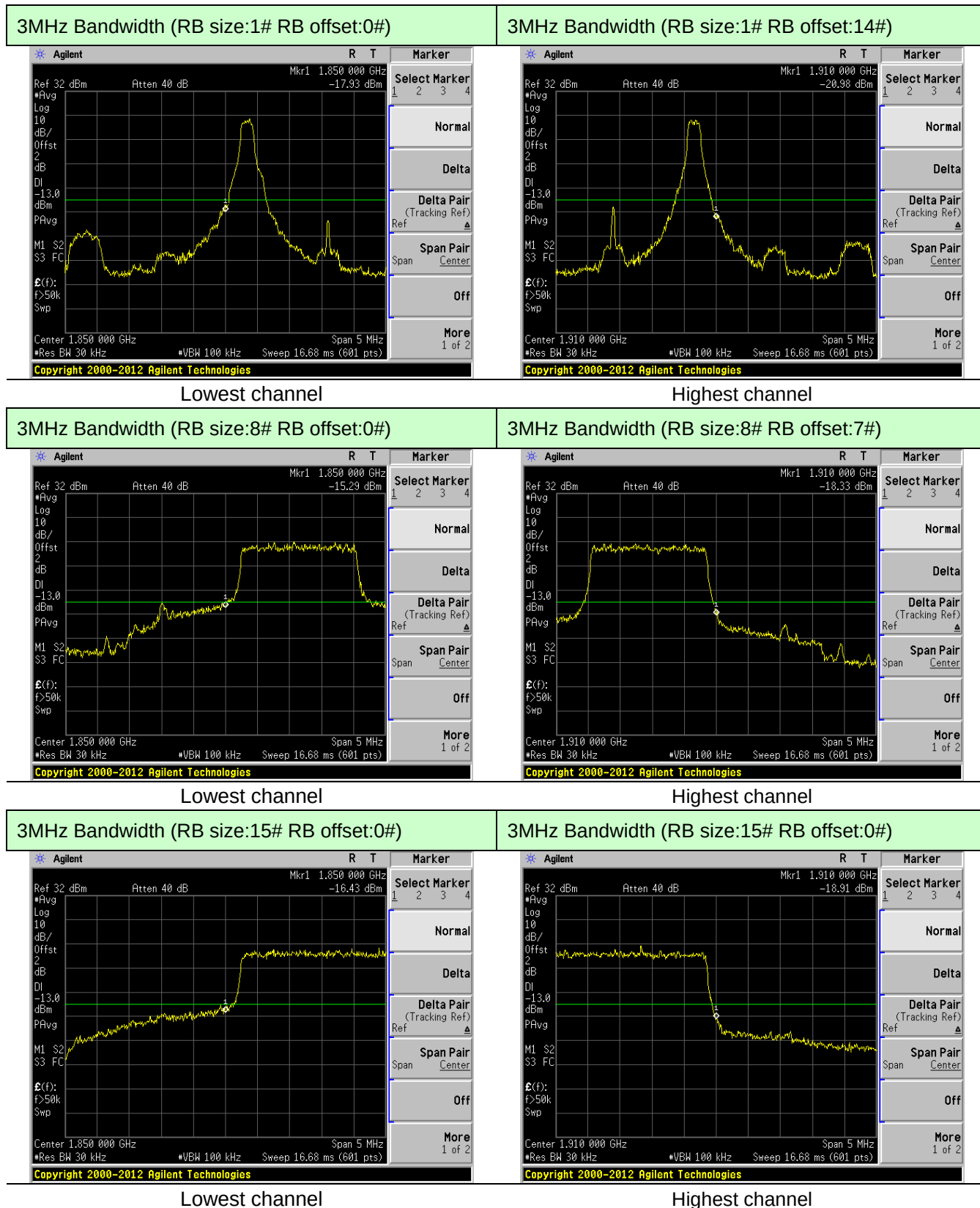


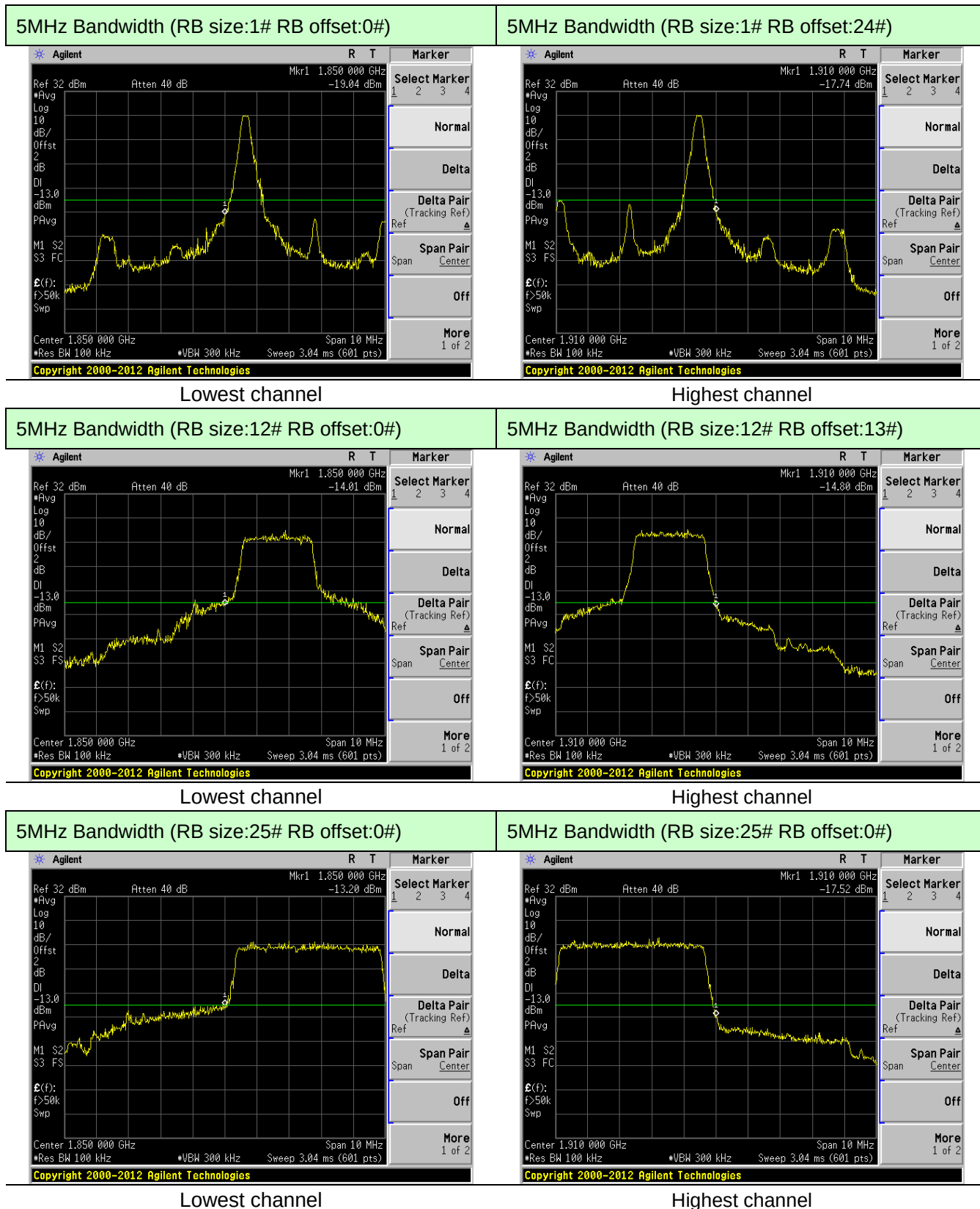
Lowest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)

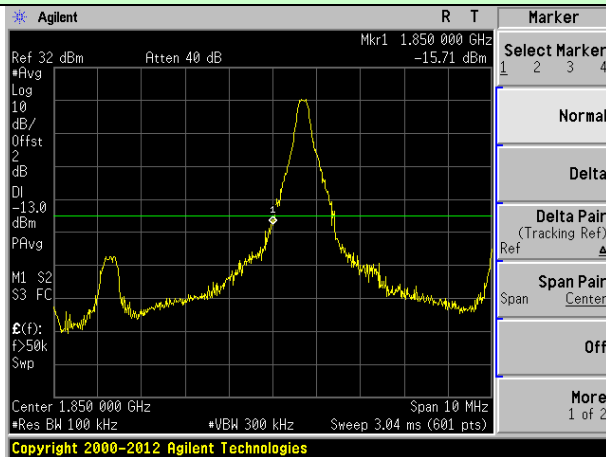


Highest channel



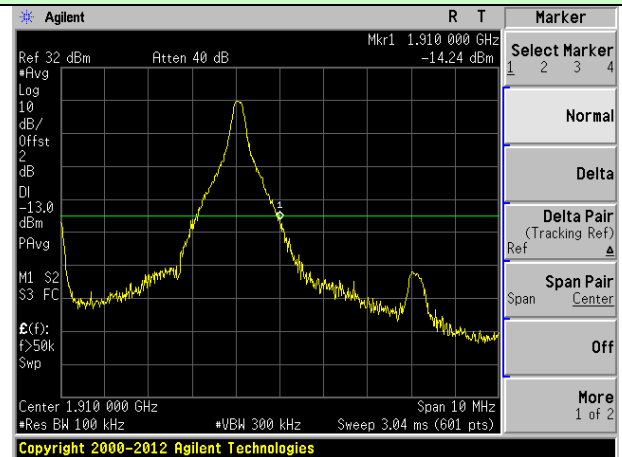


10MHz Bandwidth (RB size:1# RB offset:0#)



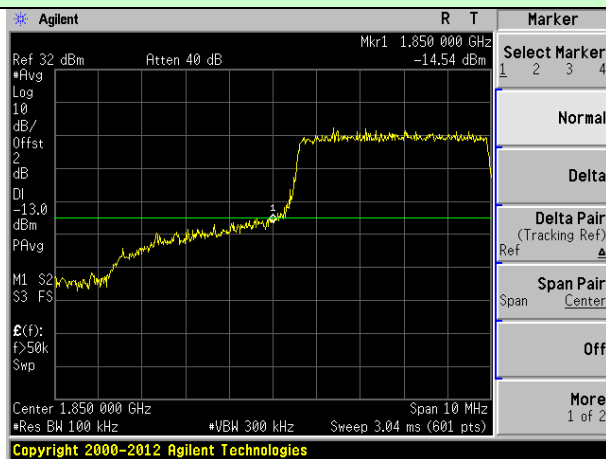
Lowest channel

10MHz Bandwidth (RB size:1# RB offset:49#)



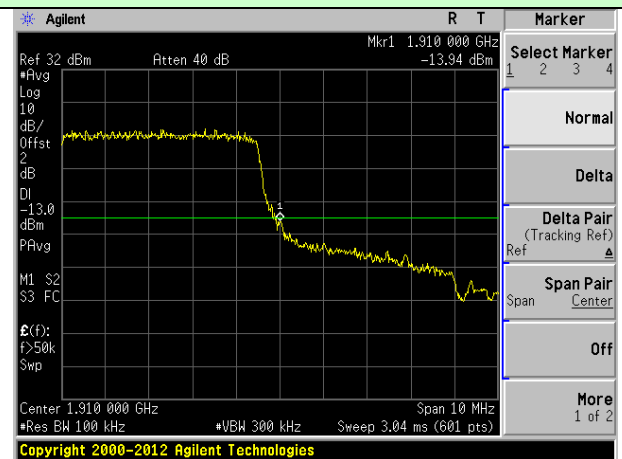
Highest channel

10MHz Bandwidth (RB size:25# RB offset:0#)



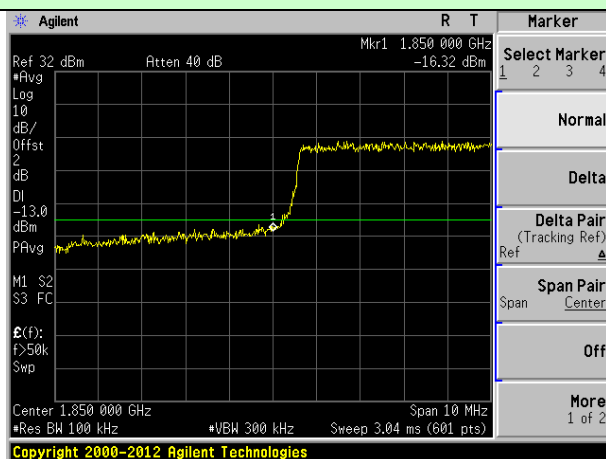
Lowest channel

10MHz Bandwidth (RB size:25# RB offset:25#)



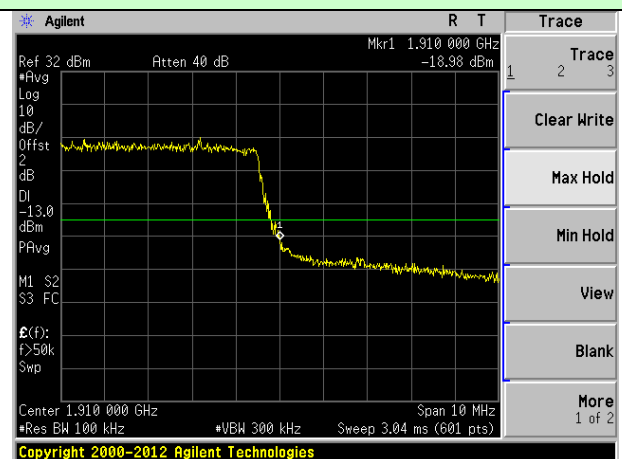
Highest channel

10MHz Bandwidth (RB size:50# RB offset:0#)



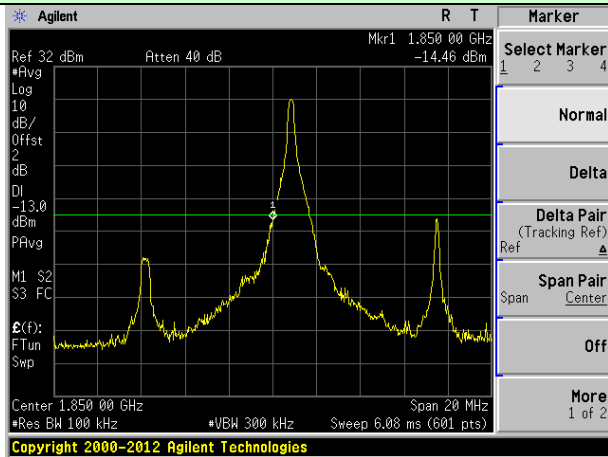
Lowest channel

10MHz Bandwidth (RB size:50# RB offset:0#)

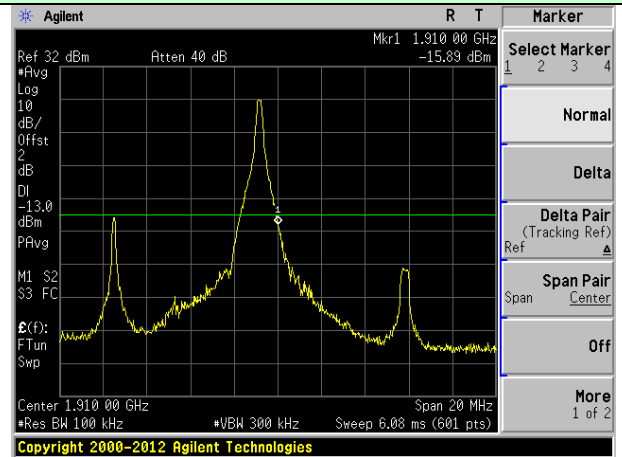


Highest channel

15MHz Bandwidth (RB size:1# RB offset:0#)



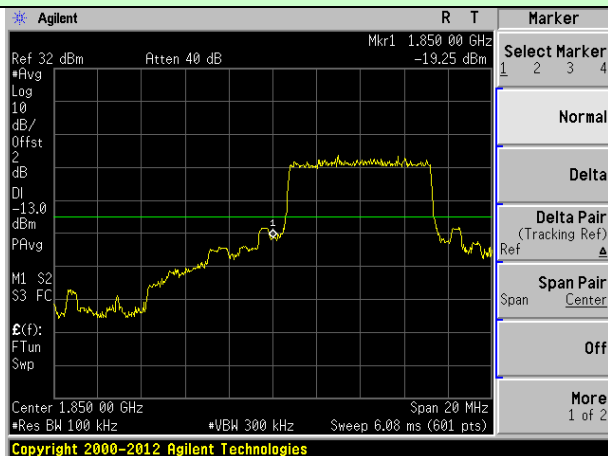
15MHz Bandwidth (RB size:1# RB offset:74#)



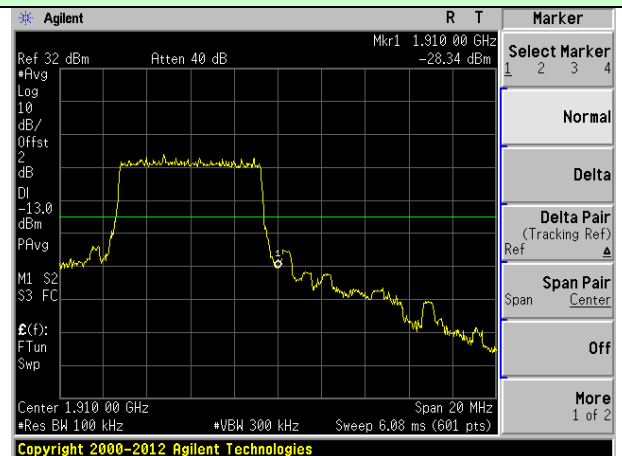
Lowest channel

Highest channel

15MHz Bandwidth (RB size:36# RB offset:0#)



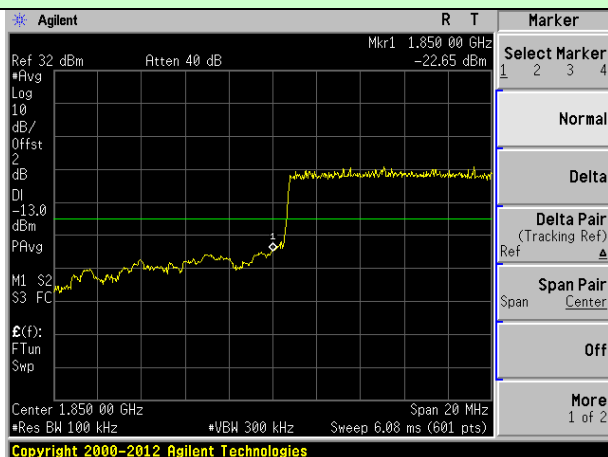
15MHz Bandwidth (RB size:36# RB offset:39#)



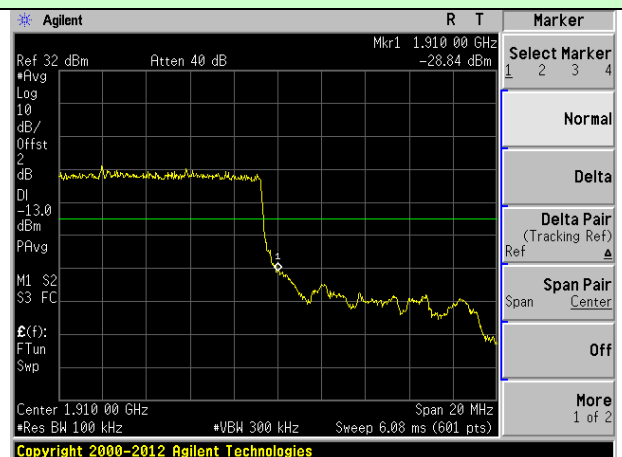
Lowest channel

Highest channel

15MHz Bandwidth (RB size:75# RB offset:0#)



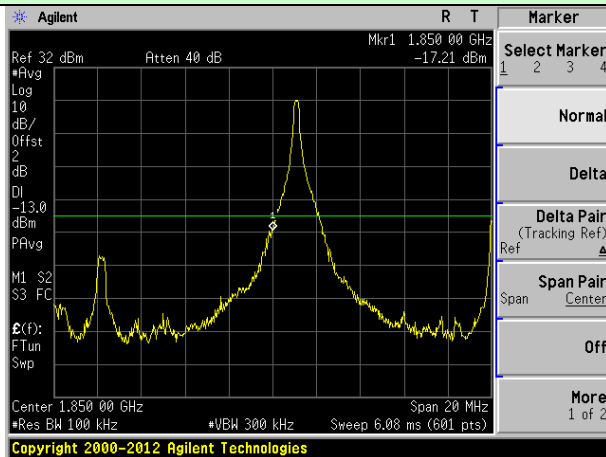
15MHz Bandwidth (RB size:75# RB offset:0#)



Lowest channel

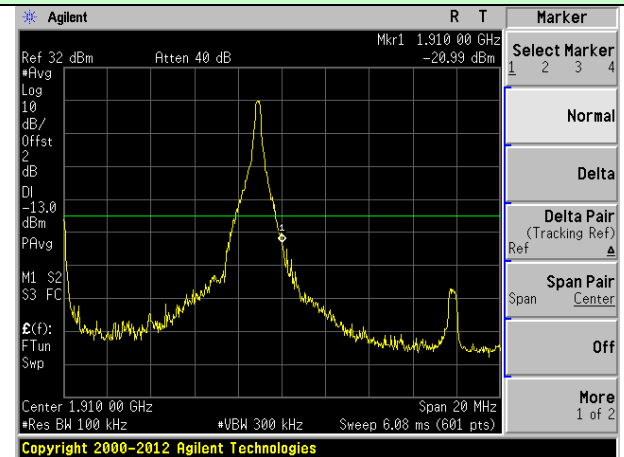
Highest channel

20MHz Bandwidth (RB size:1# RB offset:0#)



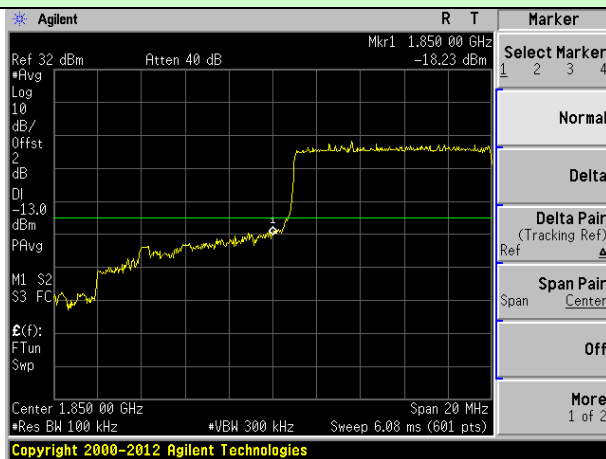
Lowest channel

20MHz Bandwidth (RB size:1# RB offset:99#)



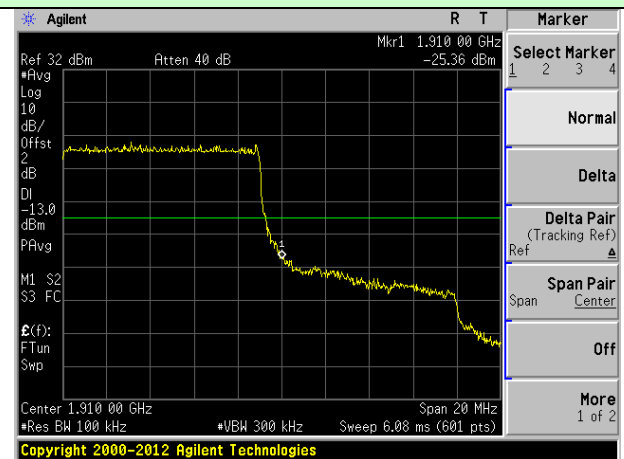
Highest channel

20MHz Bandwidth (RB size:50# RB offset:0#)



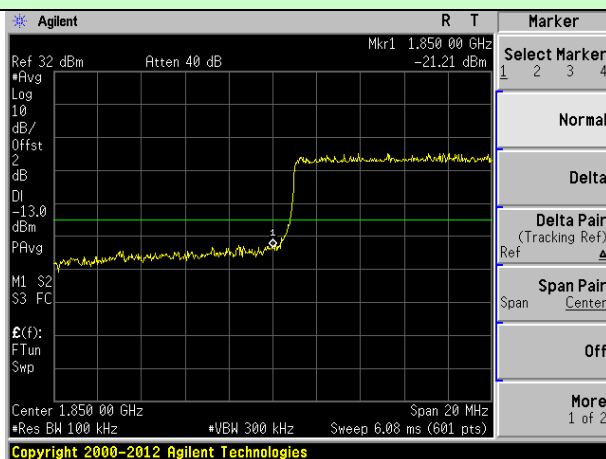
Lowest channel

20MHz Bandwidth (RB size:50# RB offset:50#)



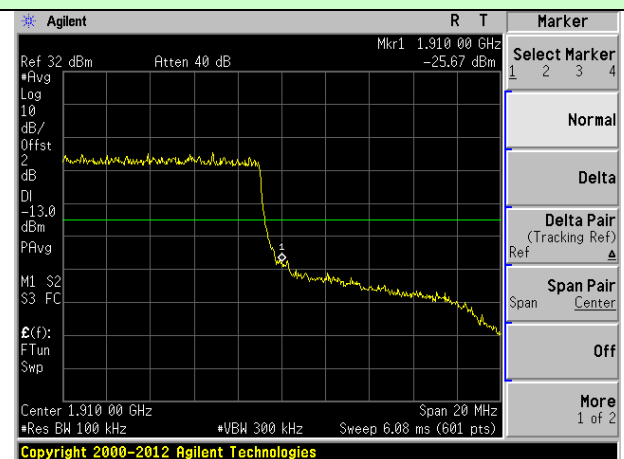
Highest channel

20MHz Bandwidth (RB size:100# RB offset:0#)



Lowest channel

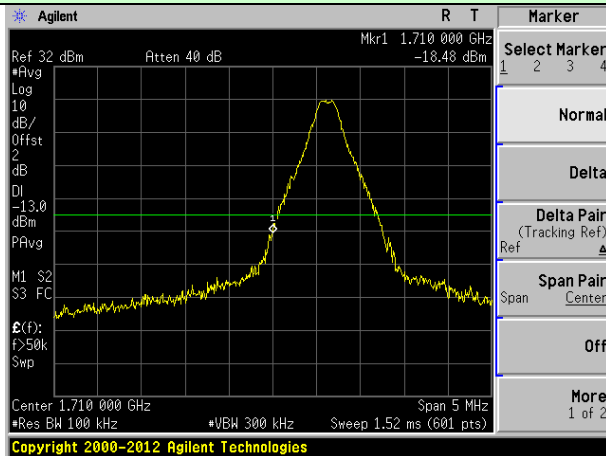
20MHz Bandwidth (RB size:100# RB offset:0#)



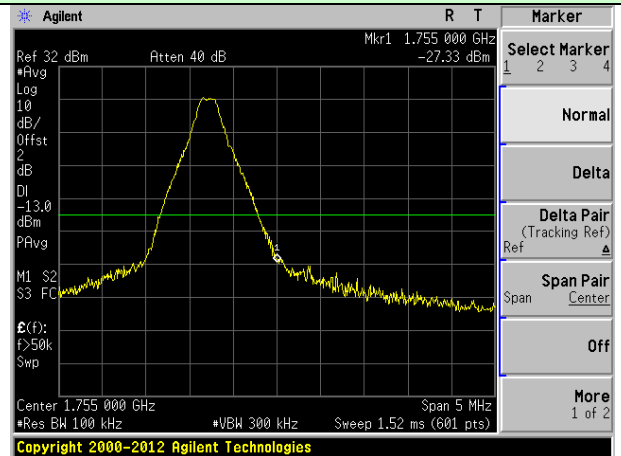
Highest channel

## LTE Band 4

### 1.4MHz Bandwidth (RB size:1# RB offset:0#)



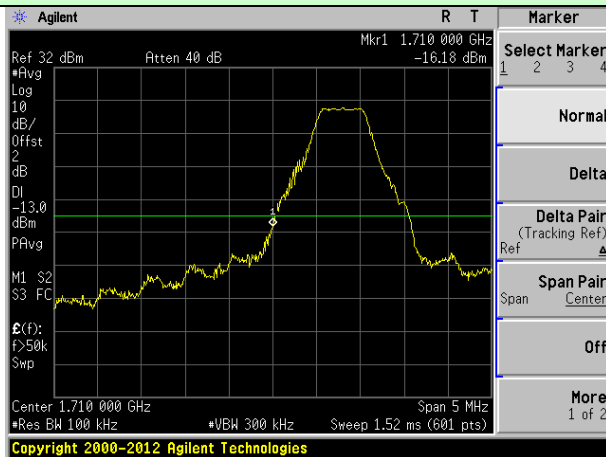
### 1.4MHz Bandwidth (RB size:1# RB offset:5#)



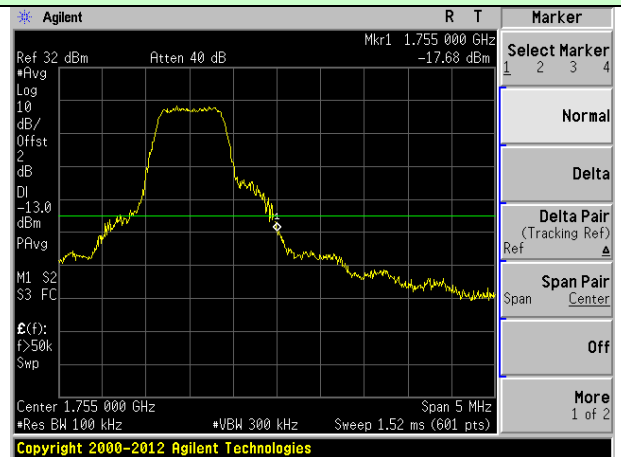
Lowest channel

Highest channel

### 1.4MHz Bandwidth (RB size:3# RB offset:0#)



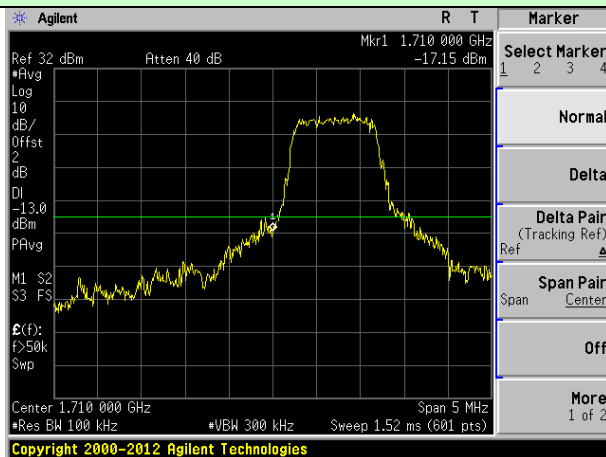
### 1.4MHz Bandwidth (RB size:3# RB offset:2#)



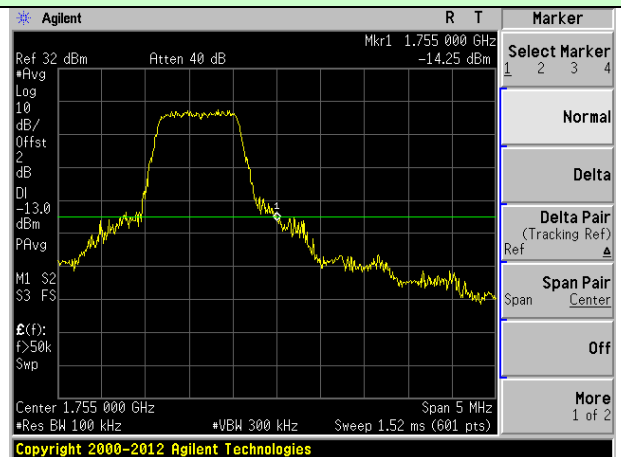
Lowest channel

Highest channel

### 1.4MHz Bandwidth (RB size:6# RB offset:0#)



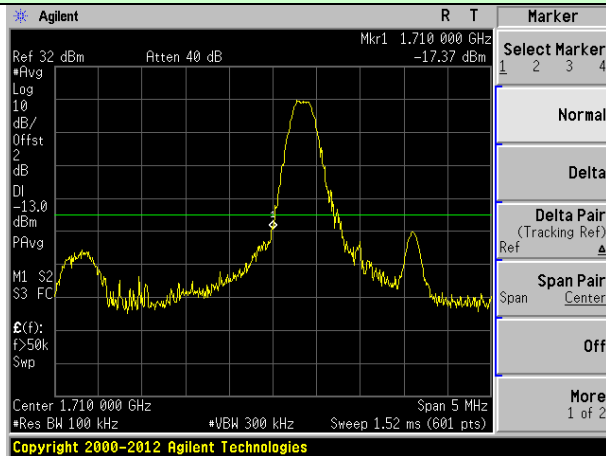
### 1.4MHz Bandwidth (RB size:6# RB offset:0#)



Lowest channel

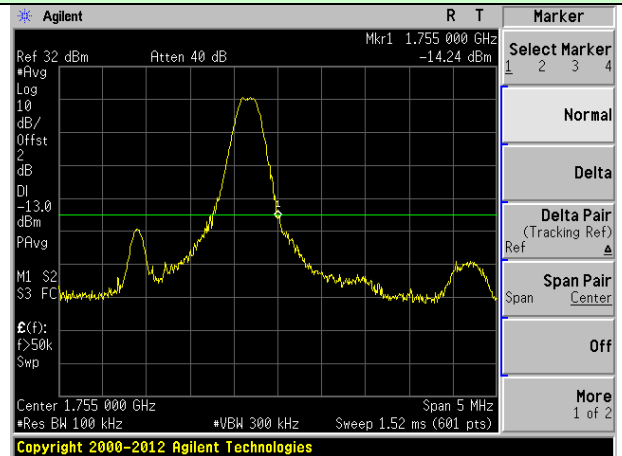
Highest channel

3MHz Bandwidth (RB size:1# RB offset:0#)



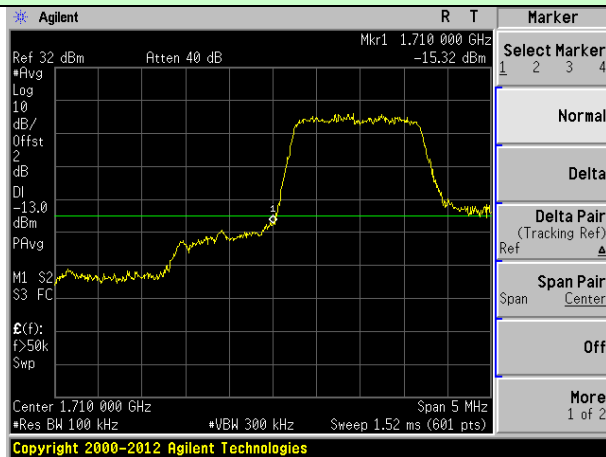
Lowest channel

3MHz Bandwidth (RB size:1# RB offset:14#)



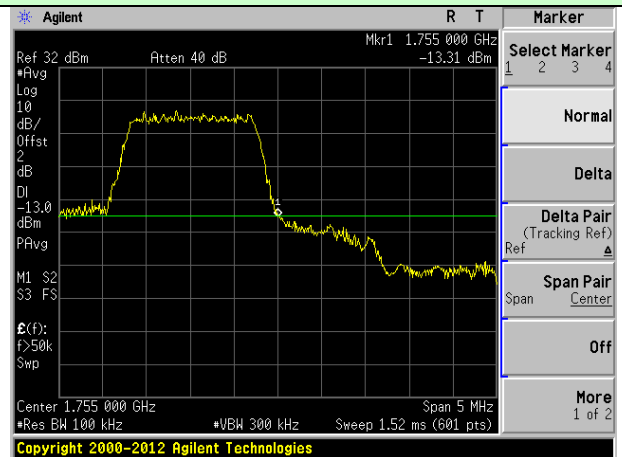
Highest channel

3MHz Bandwidth (RB size:8# RB offset:0#)



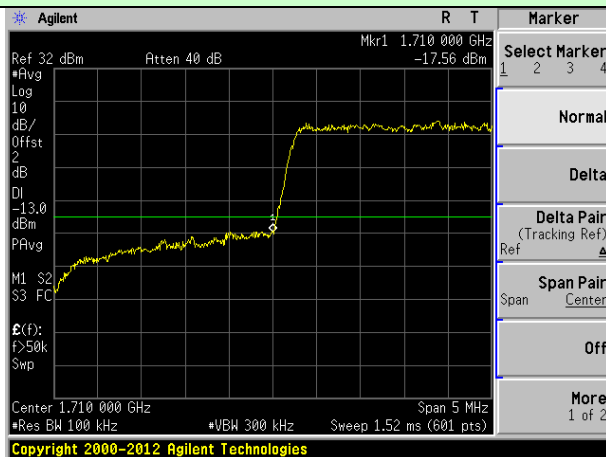
Lowest channel

3MHz Bandwidth (RB size:8# RB offset:7#)



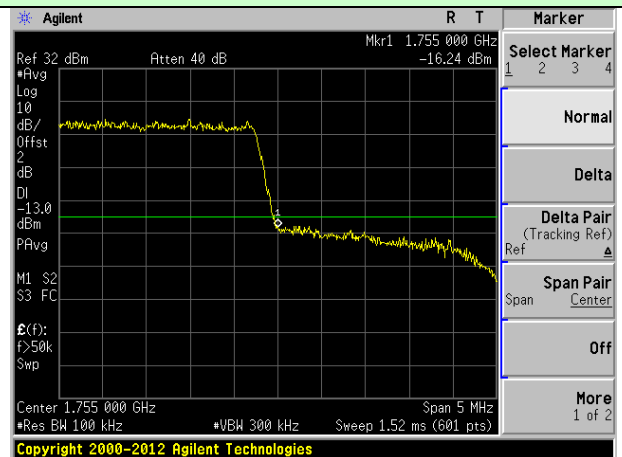
Highest channel

3MHz Bandwidth (RB size:15# RB offset:0#)

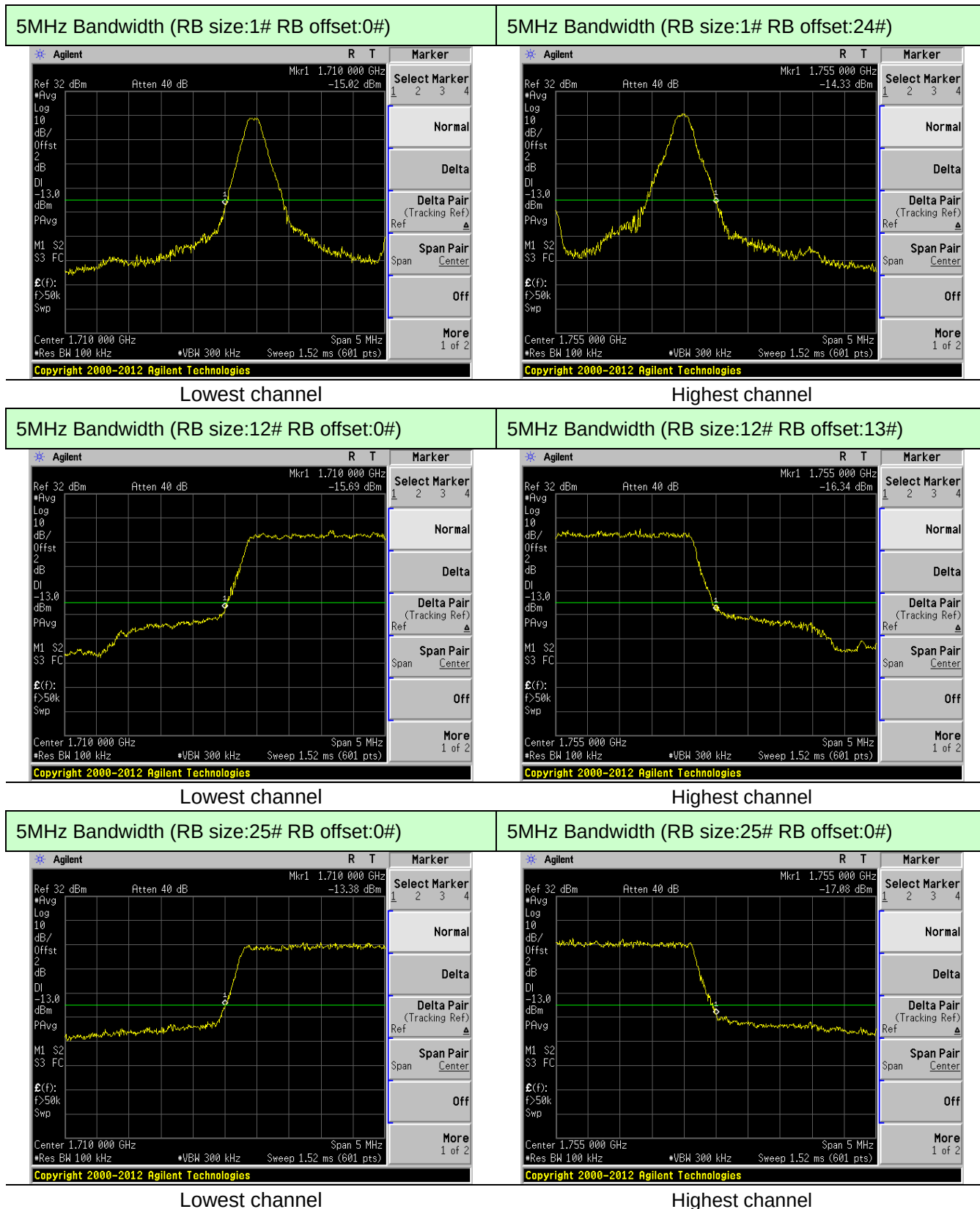


Lowest channel

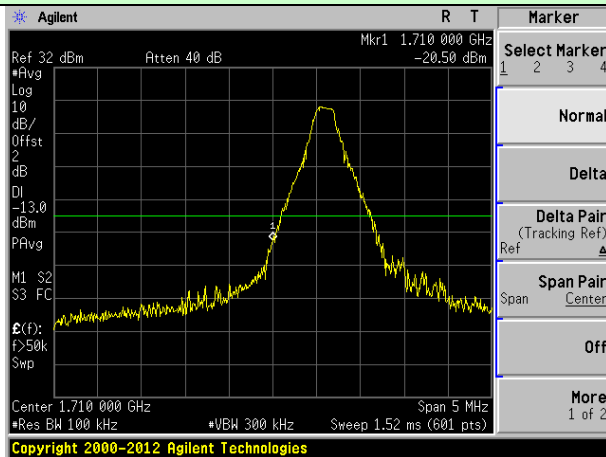
3MHz Bandwidth (RB size:15# RB offset:0#)



Highest channel

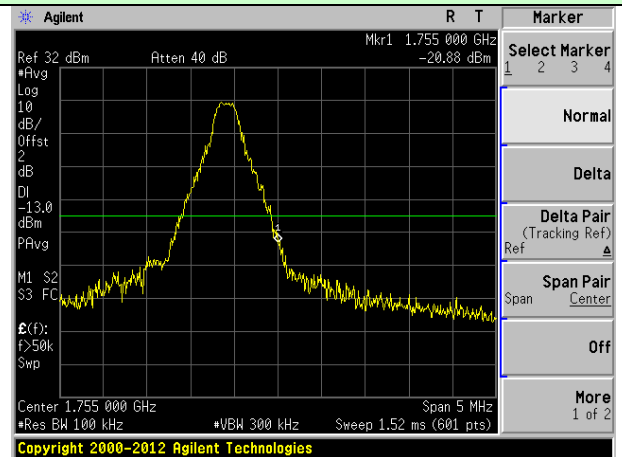


## 10MHz Bandwidth (RB size:1# RB offset:0#)



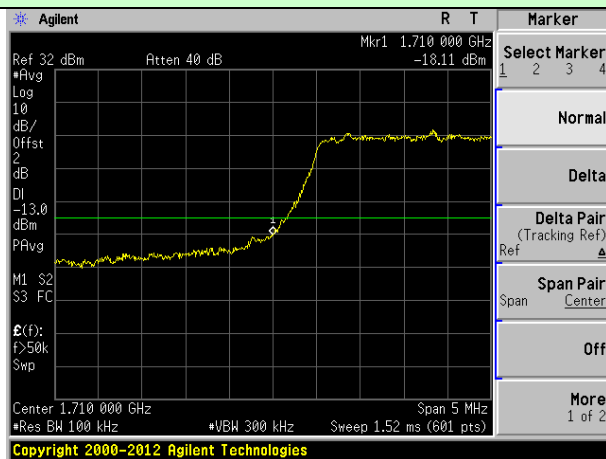
Lowest channel

## 10MHz Bandwidth (RB size:1# RB offset:49#)



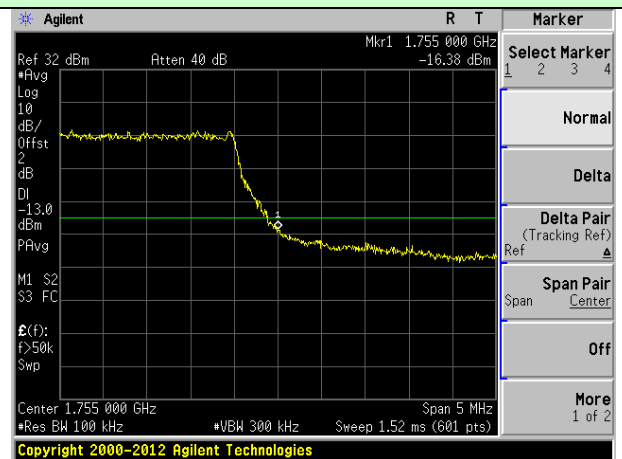
Highest channel

## 10MHz Bandwidth (RB size:25# RB offset:0#)



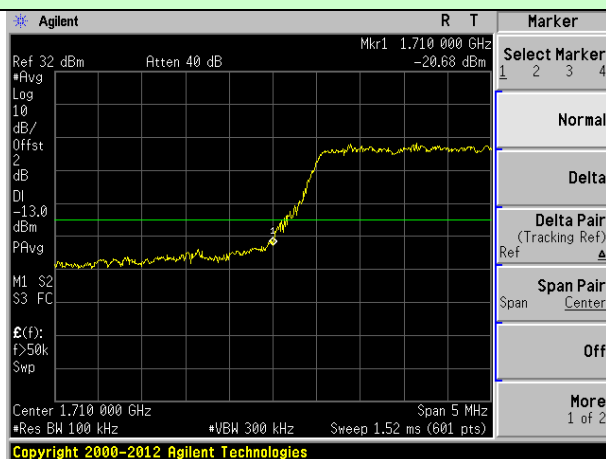
Lowest channel

## 10MHz Bandwidth (RB size:25# RB offset:25#)



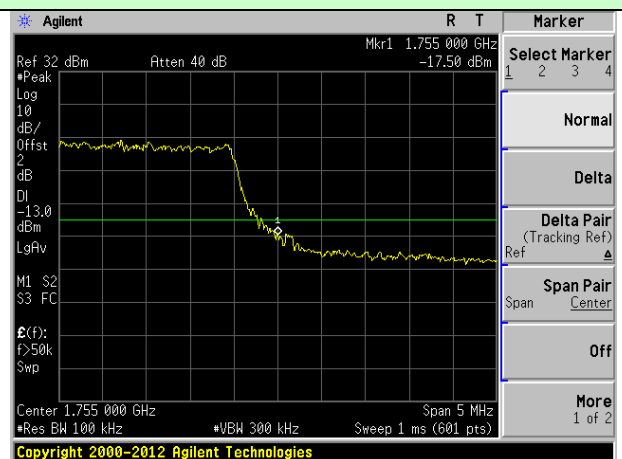
Highest channel

## 10MHz Bandwidth (RB size:50# RB offset:0#)



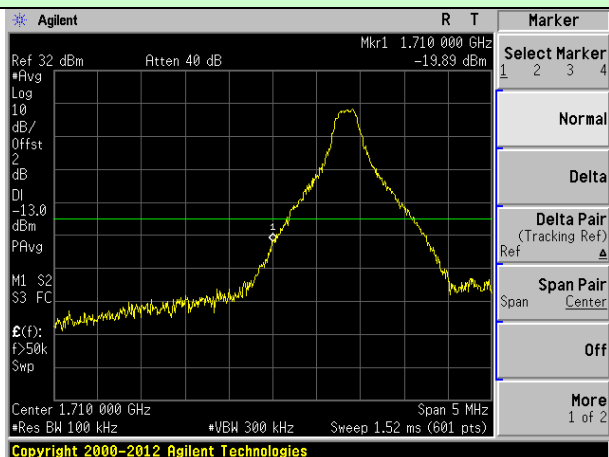
Lowest channel

## 10MHz Bandwidth (RB size:50# RB offset:0#)



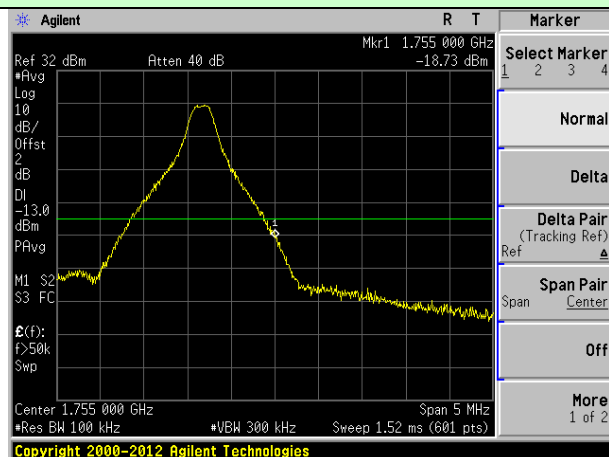
Highest channel

15MHz Bandwidth (RB size:1# RB offset:0#)



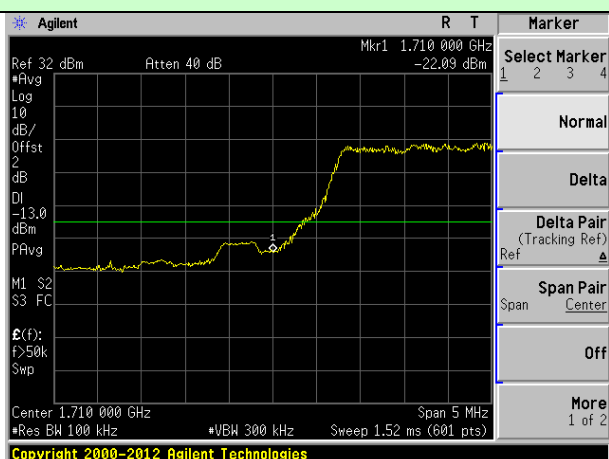
Lowest channel

15MHz Bandwidth (RB size:1# RB offset:74#)



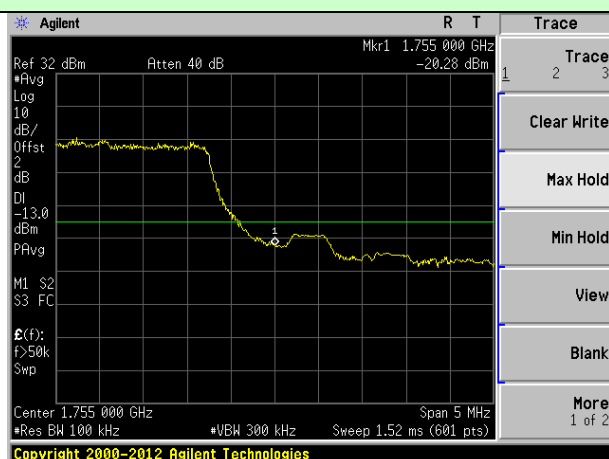
Highest channel

15MHz Bandwidth (RB size:36# RB offset:0#)



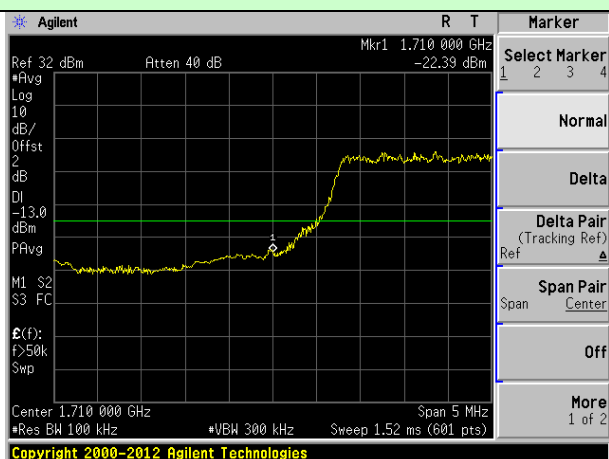
Lowest channel

15MHz Bandwidth (RB size:36# RB offset:39#)



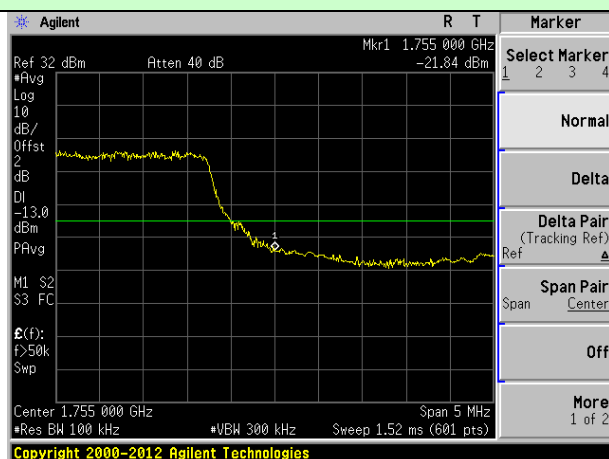
Highest channel

15MHz Bandwidth (RB size:75# RB offset:0#)

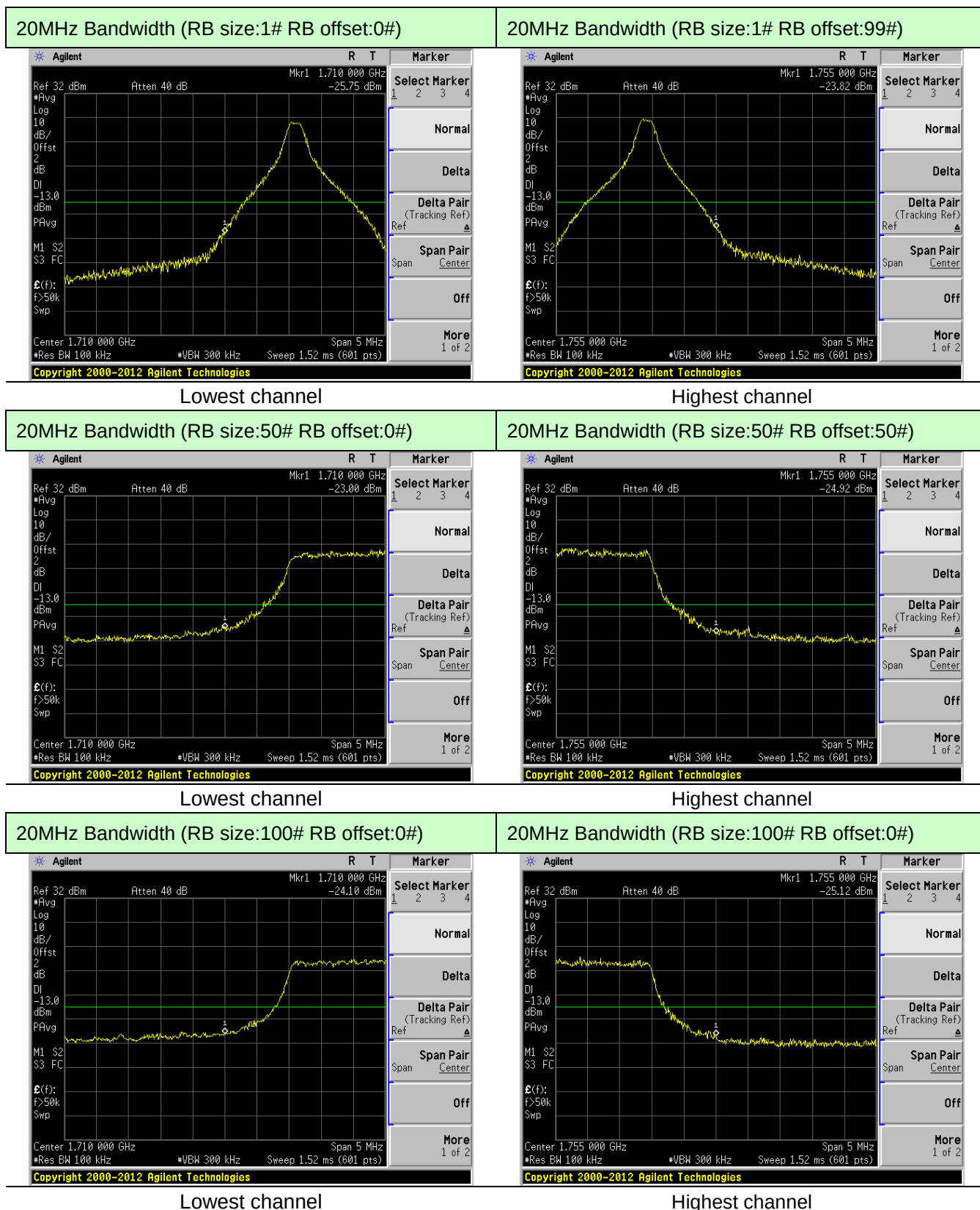


Lowest channel

15MHz Bandwidth (RB size:75# RB offset:0#)

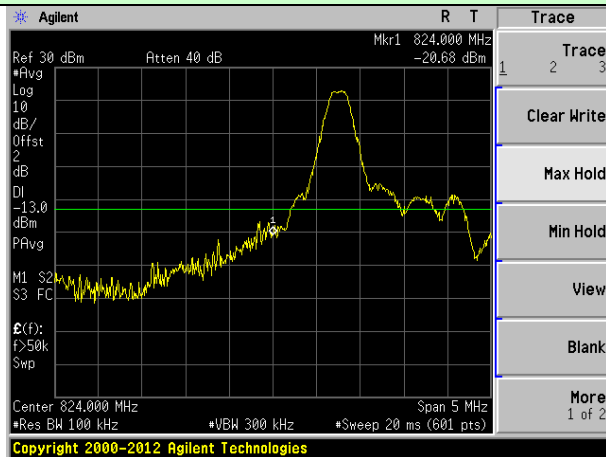


Highest channel



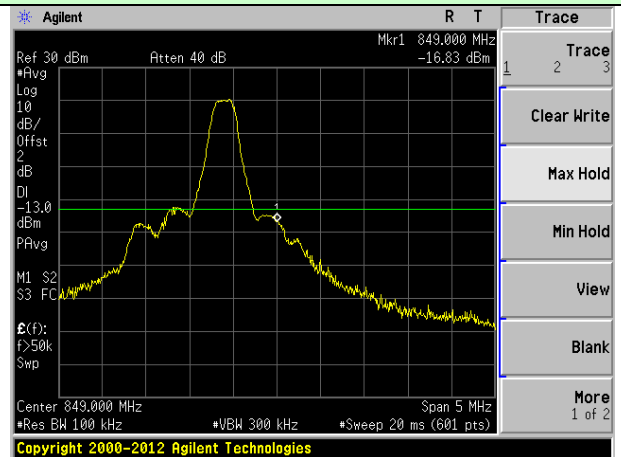
## LTE Band 5:

### 1.4MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

### 1.4MHz Bandwidth (RB size:1# RB offset:24#)



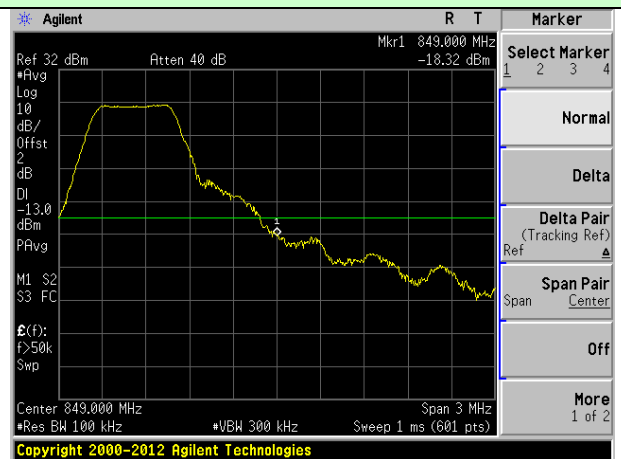
Highest channel

### 1.4MHz Bandwidth (RB size:12# RB offset:0#)



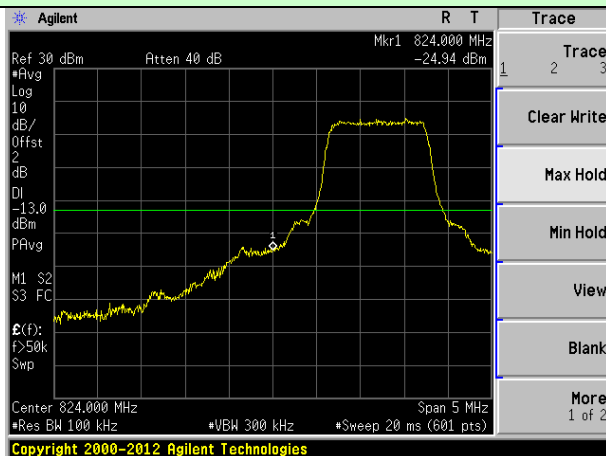
Lowest channel

### 1.4MHz Bandwidth (RB size:12# RB offset:13#)



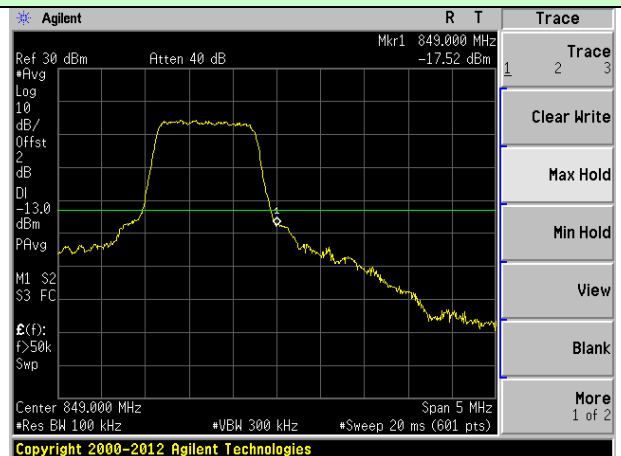
Highest channel

### 1.4MHz Bandwidth (RB size:25# RB offset:0#)

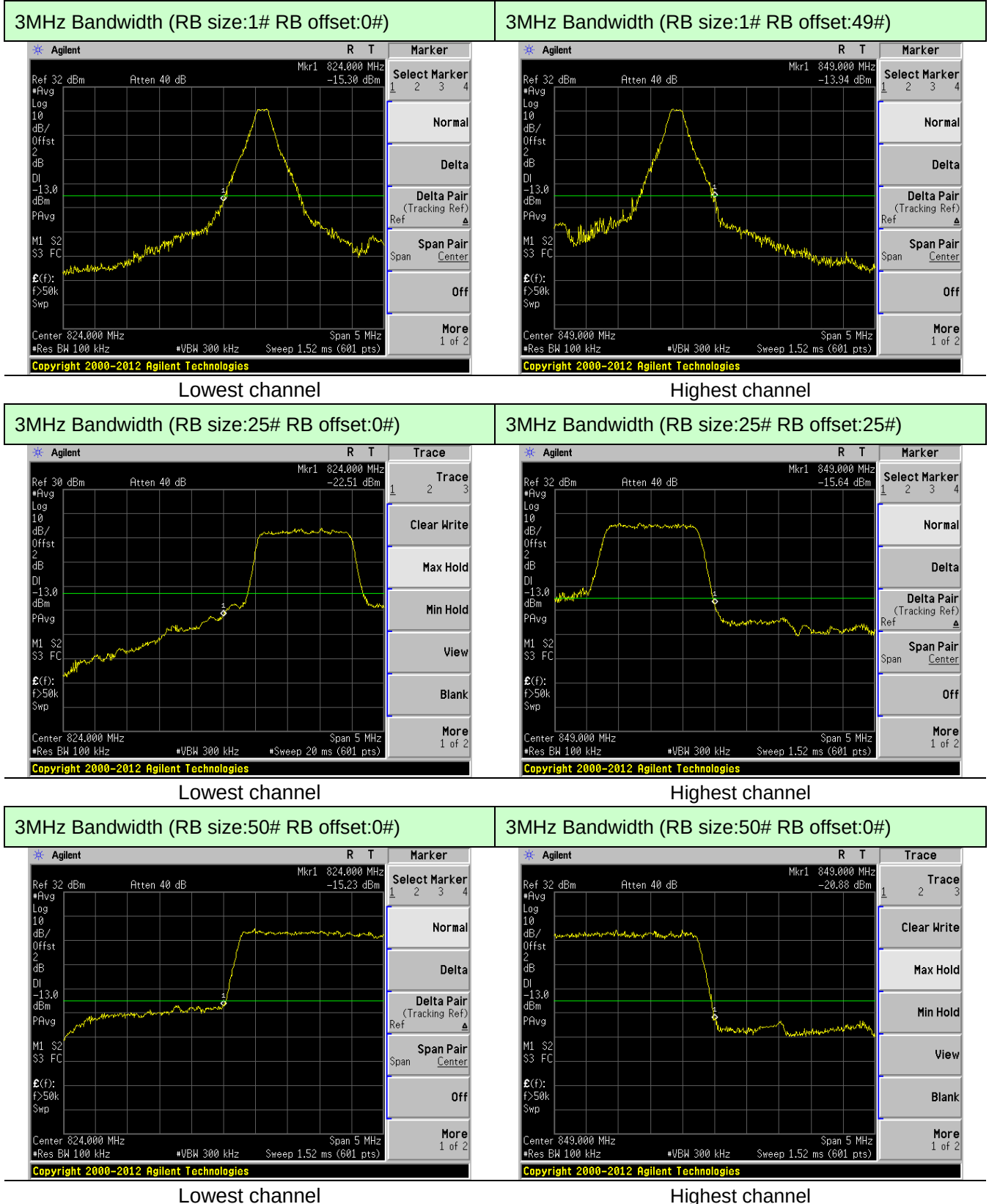


Lowest channel

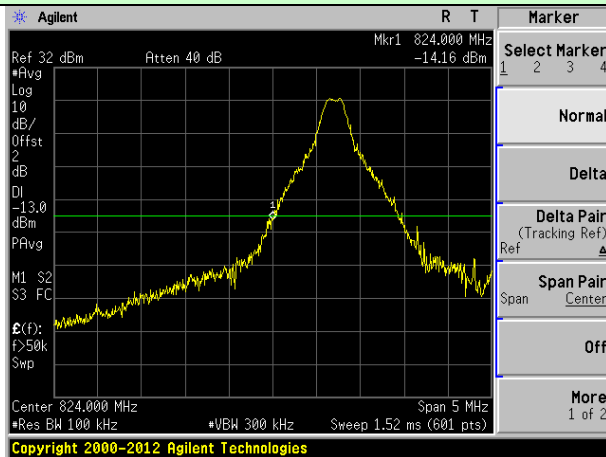
### 1.4MHz Bandwidth (RB size:25# RB offset:0#)



Highest channel

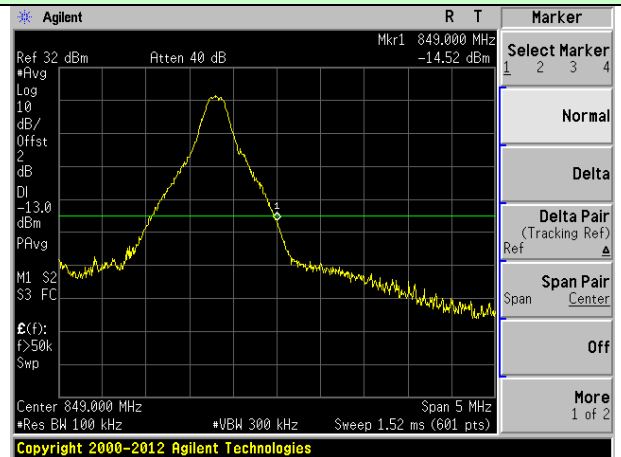


5MHz Bandwidth (RB size:1# RB offset:0#)



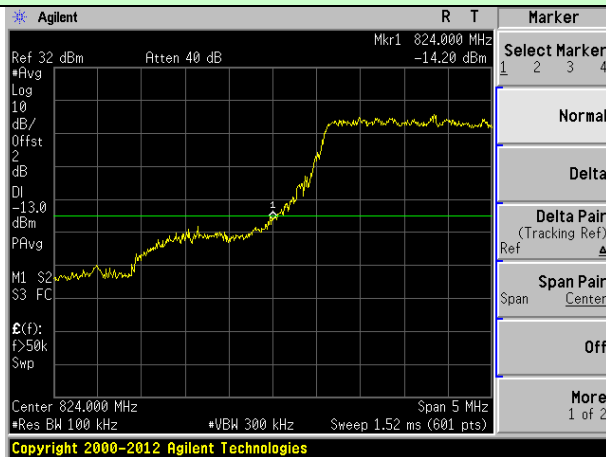
Lowest channel

5MHz Bandwidth (RB size:1# RB offset:74#)



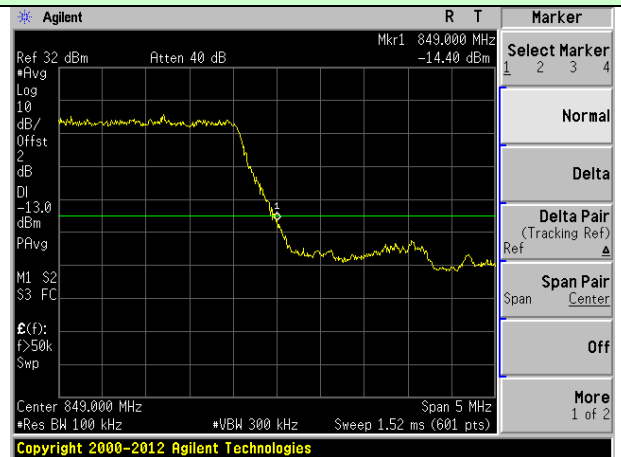
Highest channel

5MHz Bandwidth (RB size:36# RB offset:0#)



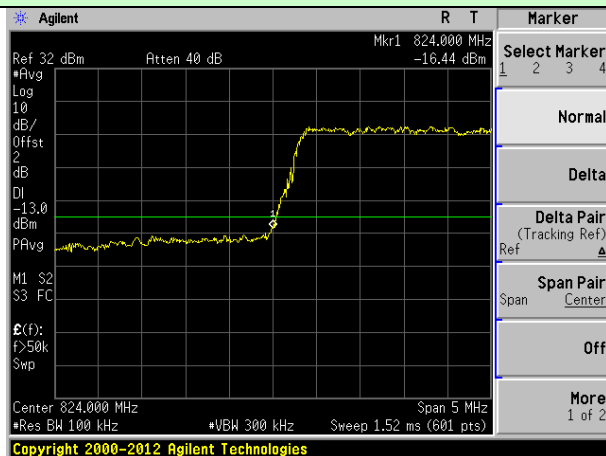
Lowest channel

5MHz Bandwidth (RB size:36# RB offset:39#)



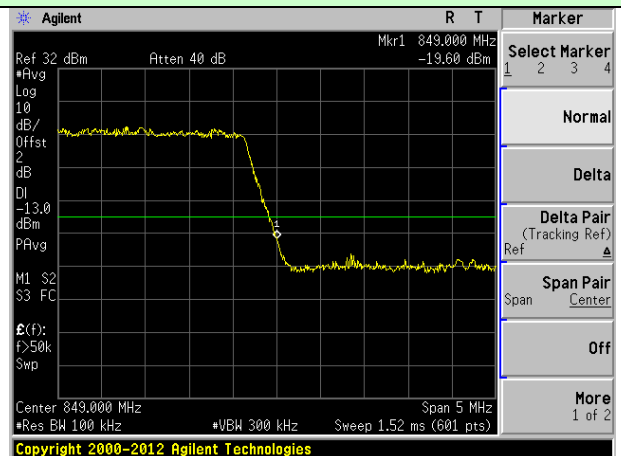
Highest channel

5MHz Bandwidth (RB size:75# RB offset:0#)



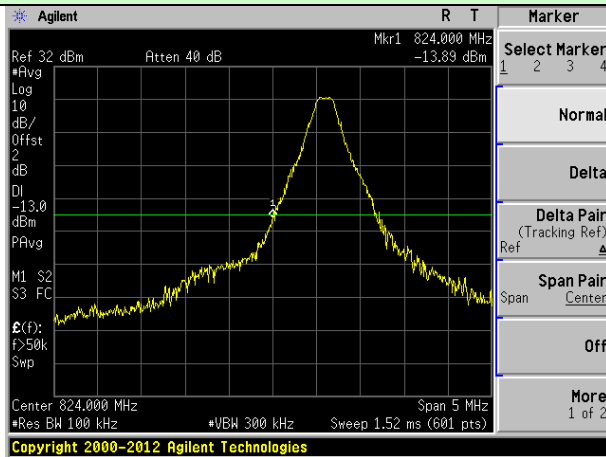
Lowest channel

5MHz Bandwidth (RB size:75# RB offset:0#)

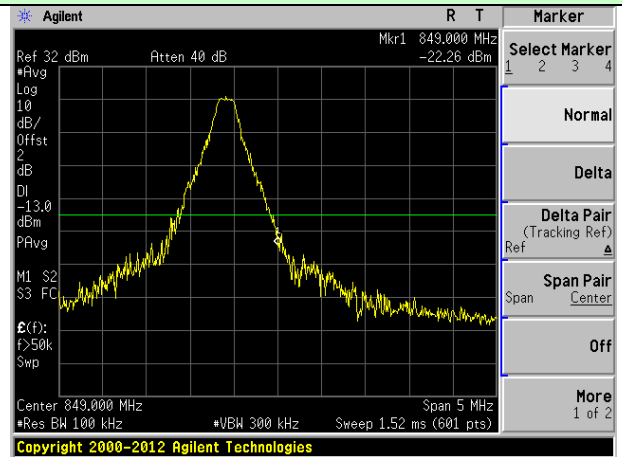


Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



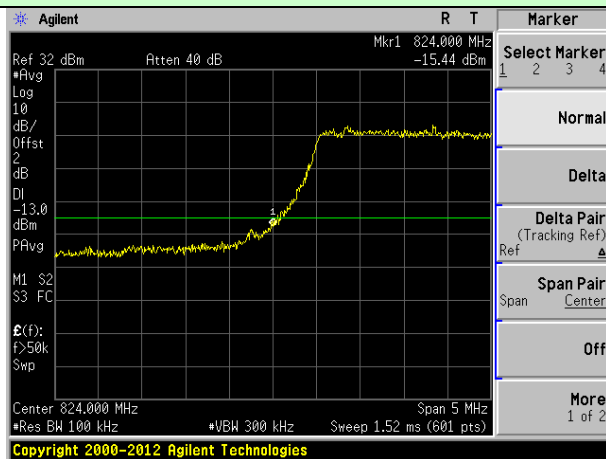
10MHz Bandwidth (RB size:1# RB offset:99#)



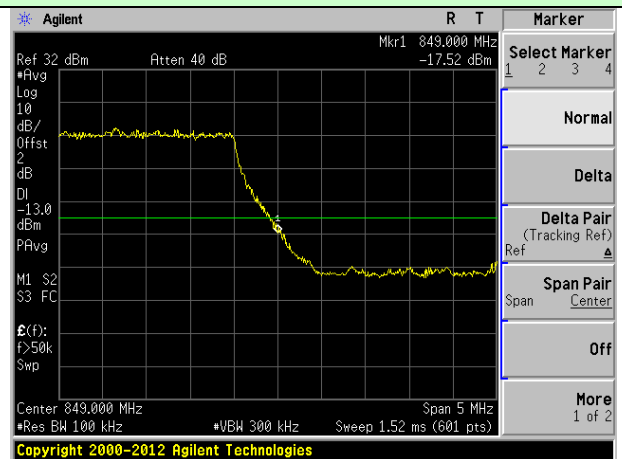
Lowest channel

Highest channel

10MHz Bandwidth (RB size:50# RB offset:0#)



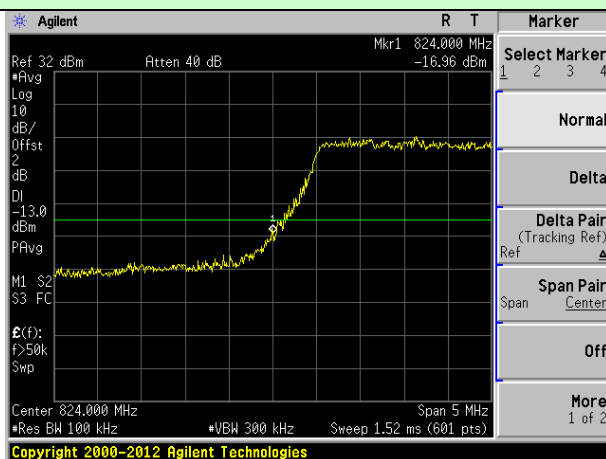
10MHz Bandwidth (RB size:50# RB offset:50#)



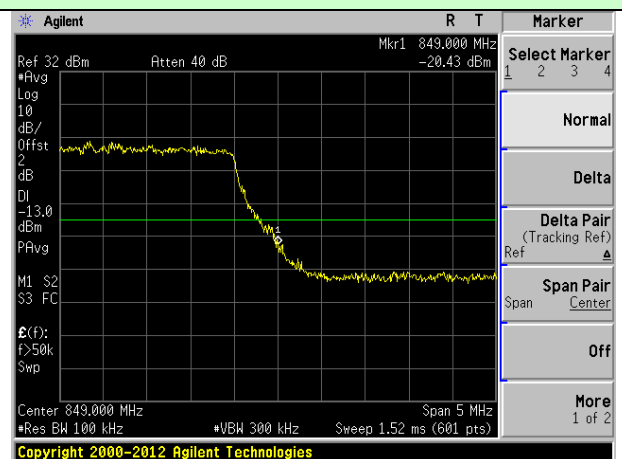
Lowest channel

Highest channel

10MHz Bandwidth (RB size:100# RB offset:0#)



10MHz Bandwidth (RB size:100# RB offset:0#)

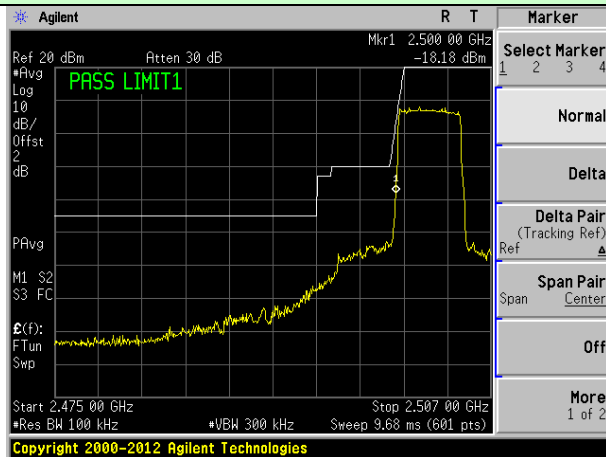


Lowest channel

Highest channel

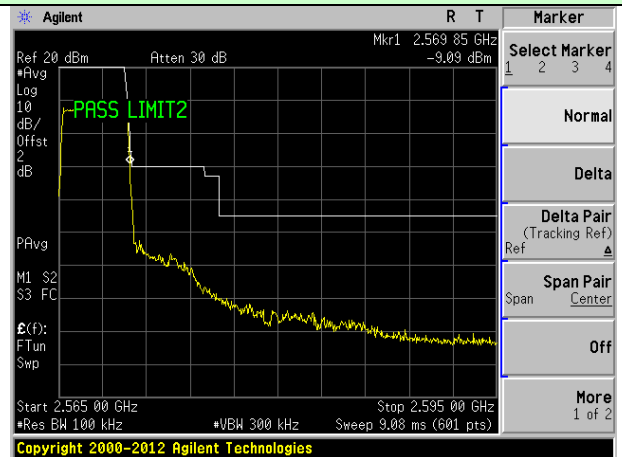
## LTE Band 7:

### 5MHz Bandwidth (RB size:1# RB offset:0#)



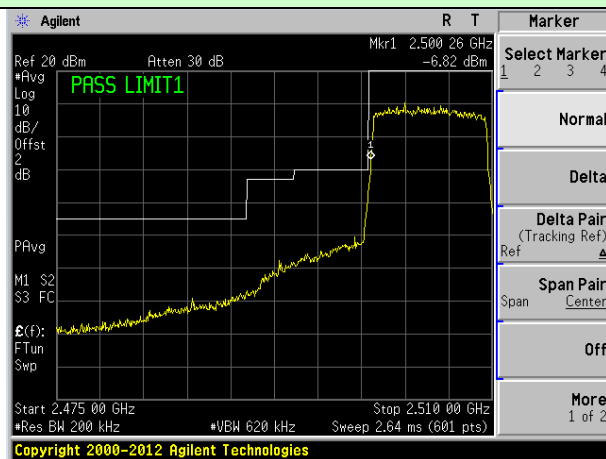
Lowest channel

### 5MHz Bandwidth (RB size:1# RB offset:24#)



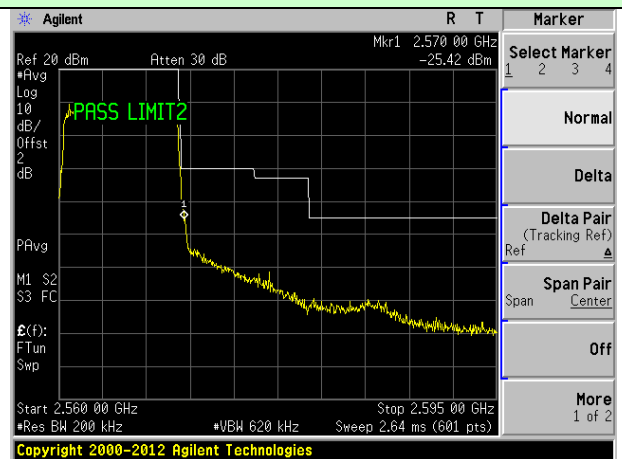
Highest channel

### 10MHz Bandwidth (RB size:1# RB offset:0#)



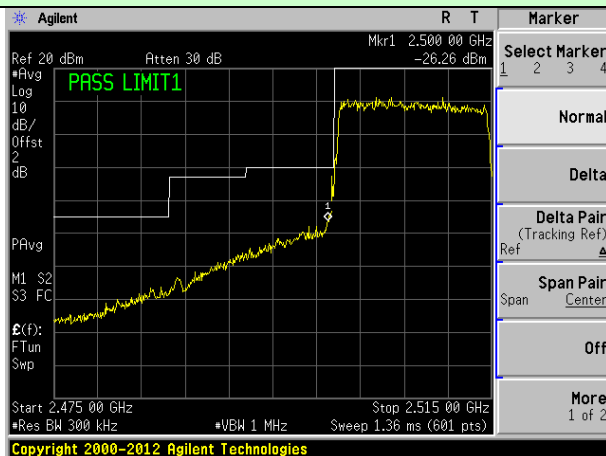
Lowest channel

### 10MHz Bandwidth (RB size:1# RB offset:49#)



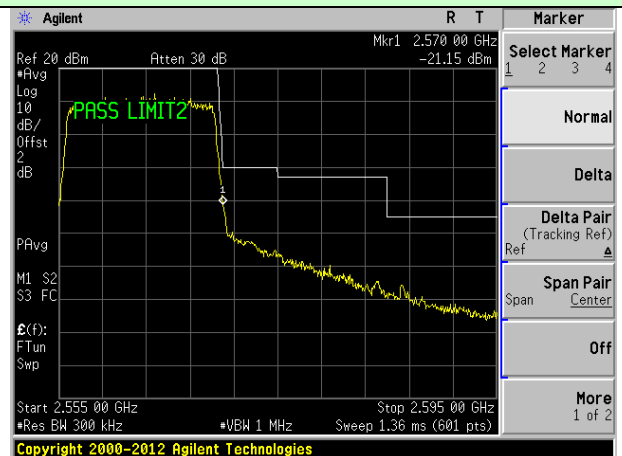
Highest channel

### 15MHz Bandwidth (RB size:1# RB offset:0#)

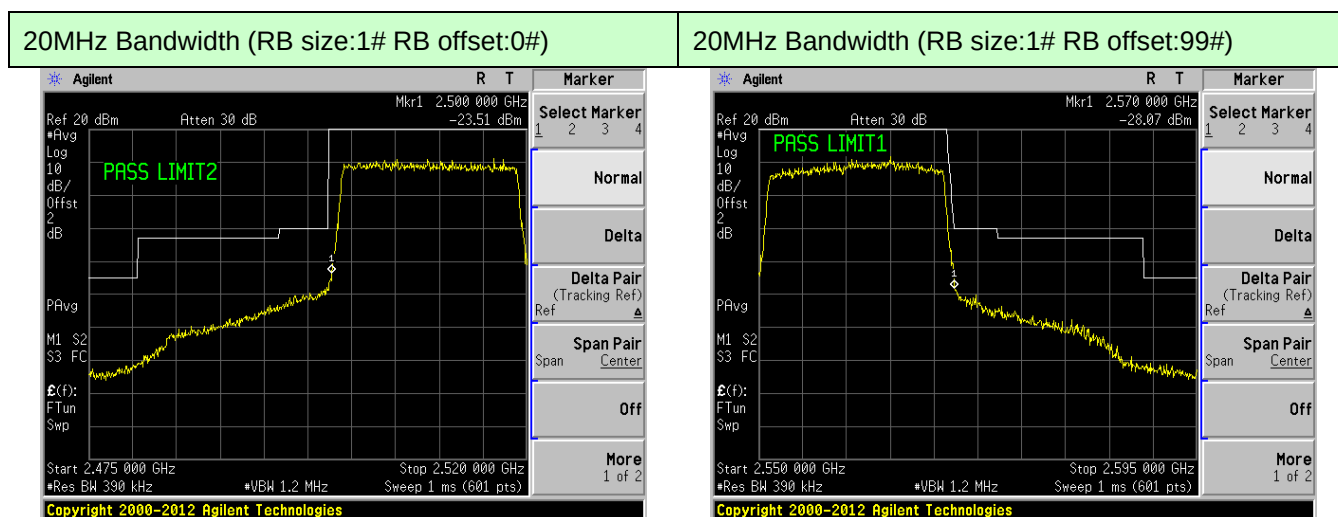


Lowest channel

### 15MHz Bandwidth (RB size:1# RB offset:74#)



Highest channel

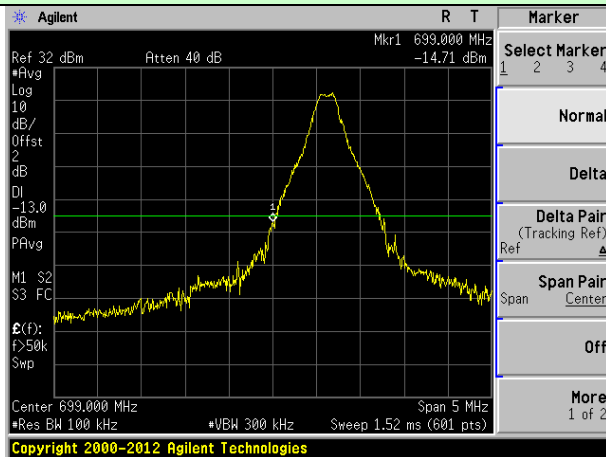


Lowest channel

Highest channel

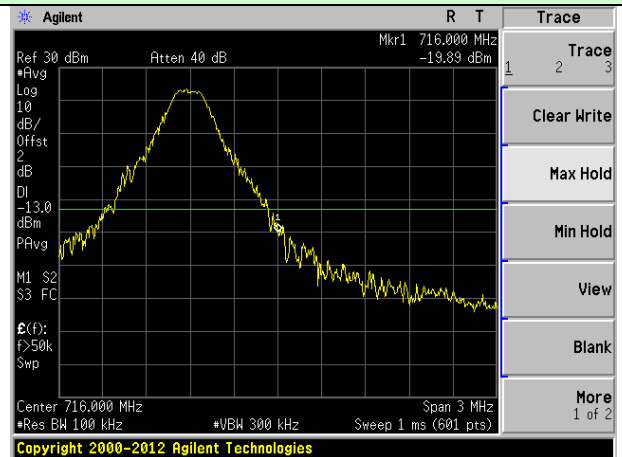
## LTE Band 12:

### 1.4MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

### 1.4MHz Bandwidth (RB size:1# RB offset:5#)



Highest channel

### 1.4MHz Bandwidth (RB size:3# RB offset:0#)



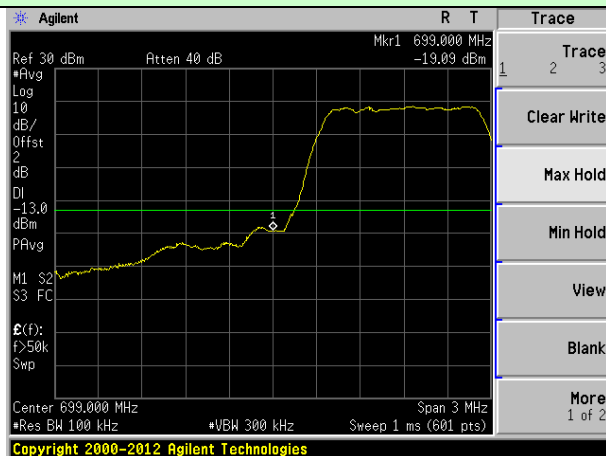
Lowest channel

### 1.4MHz Bandwidth (RB size:3# RB offset:2#)



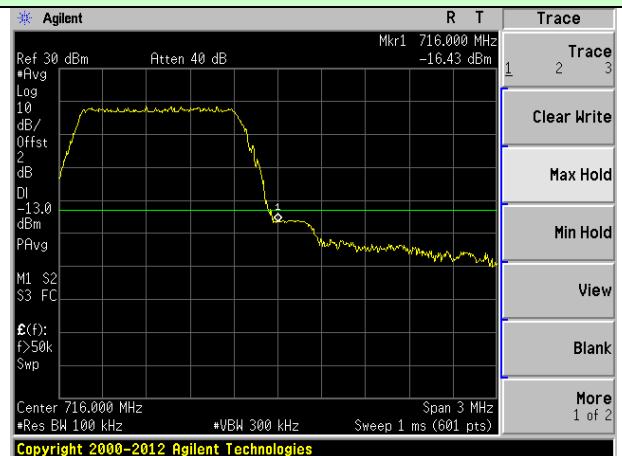
Highest channel

### 1.4MHz Bandwidth (RB size:6# RB offset:0#)



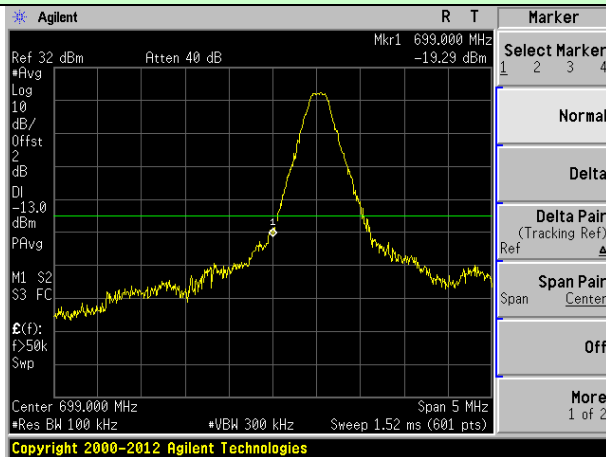
Lowest channel

### 1.4MHz Bandwidth (RB size:6# RB offset:0#)



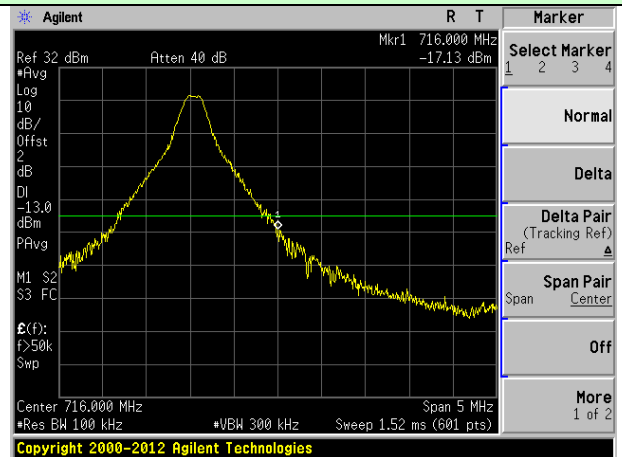
Highest channel

3MHz Bandwidth (RB size:1# RB offset:0#)



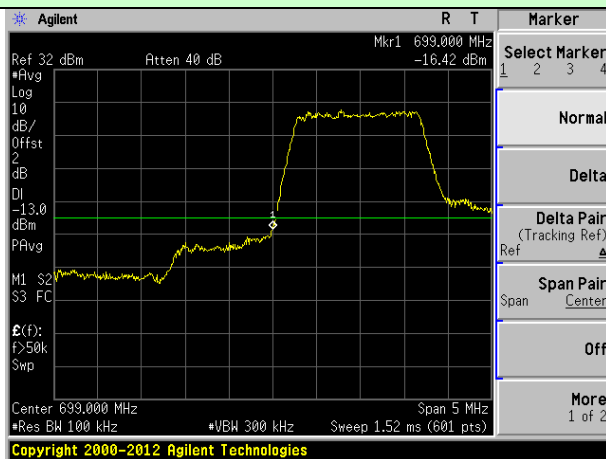
Lowest channel

3MHz Bandwidth (RB size:1# RB offset:14#)



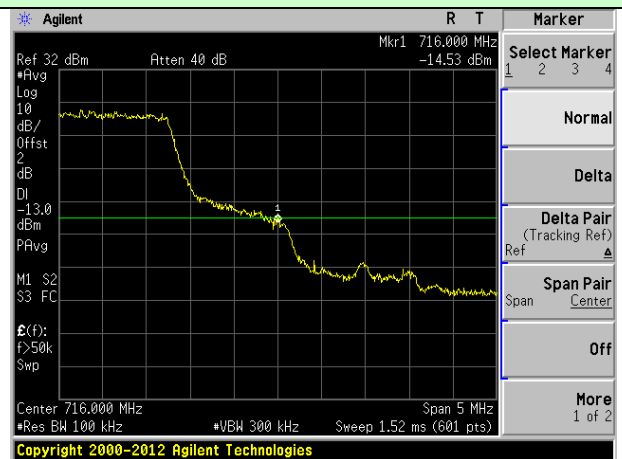
Highest channel

3MHz Bandwidth (RB size:8# RB offset:0#)



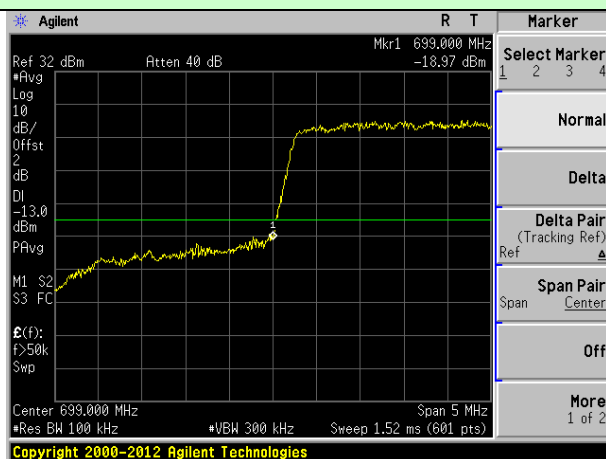
Lowest channel

3MHz Bandwidth (RB size:8# RB offset:7#)



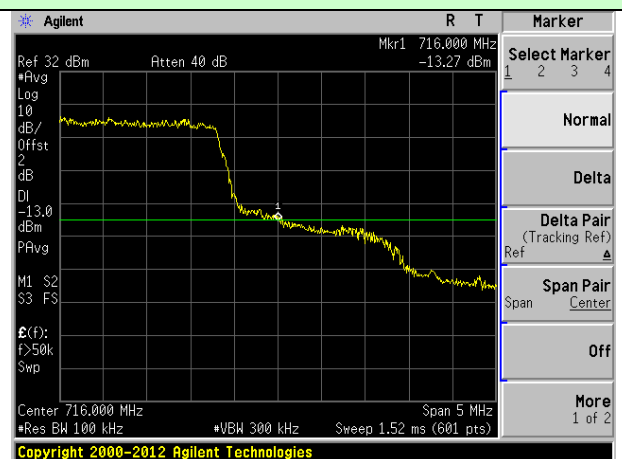
Highest channel

3MHz Bandwidth (RB size:15# RB offset:0#)



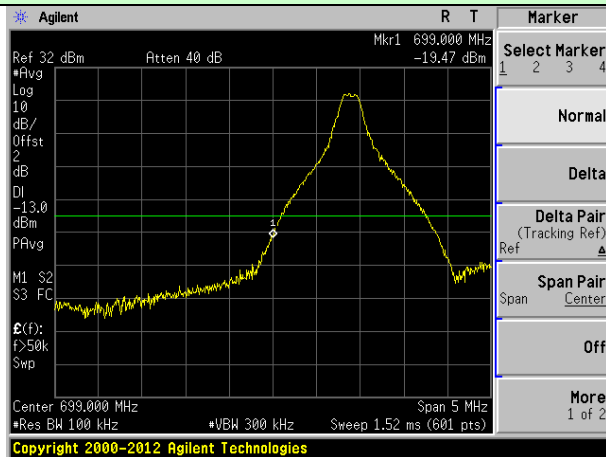
Lowest channel

3MHz Bandwidth (RB size:15# RB offset:0#)



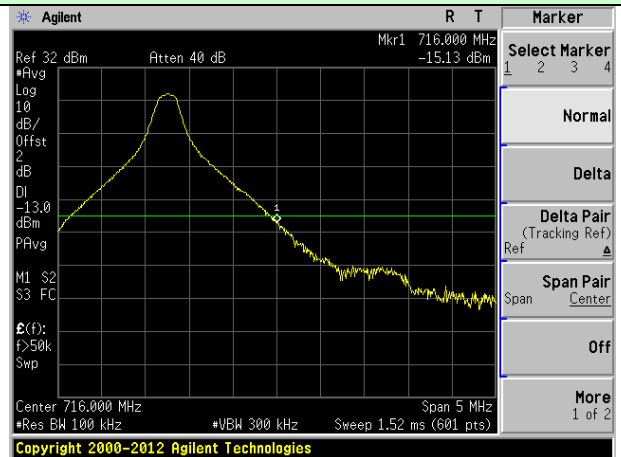
Highest channel

5MHz Bandwidth (RB size:1# RB offset:0#)



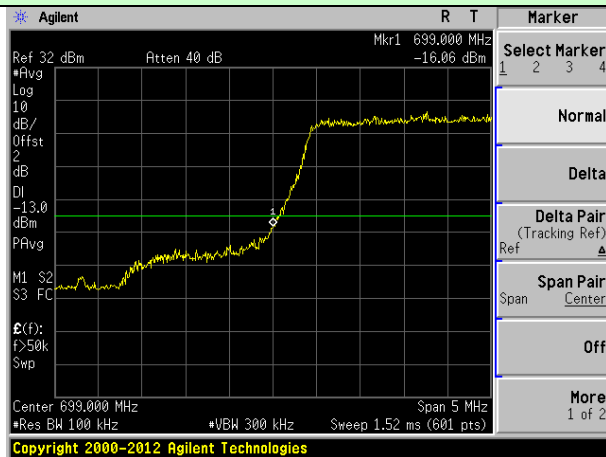
Lowest channel

5MHz Bandwidth (RB size:1# RB offset:24#)



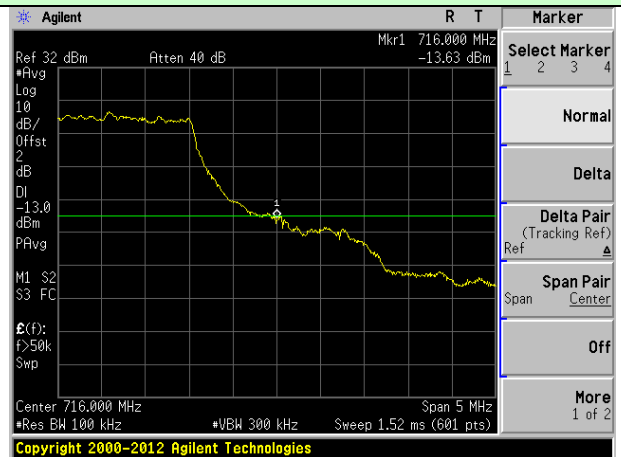
Highest channel

5MHz Bandwidth (RB size:12# RB offset:0#)



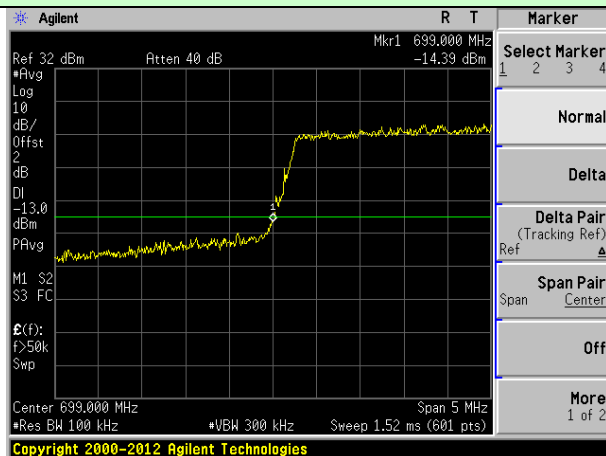
Lowest channel

5MHz Bandwidth (RB size:12# RB offset:13#)



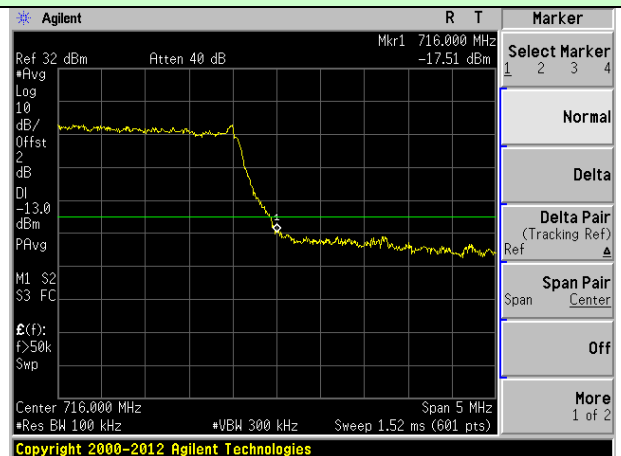
Highest channel

5MHz Bandwidth (RB size:25# RB offset:0#)

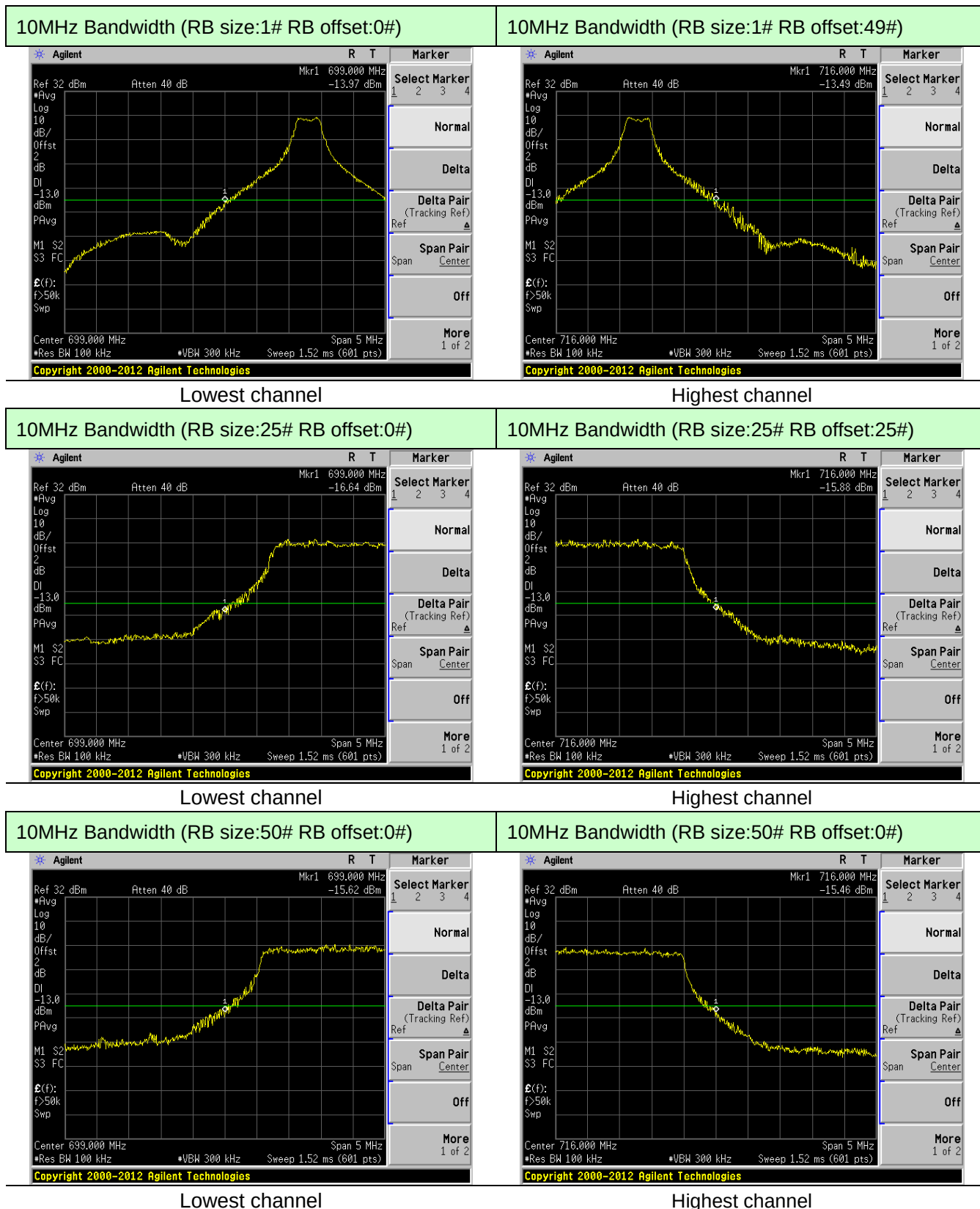


Lowest channel

5MHz Bandwidth (RB size:25# RB offset:0#)

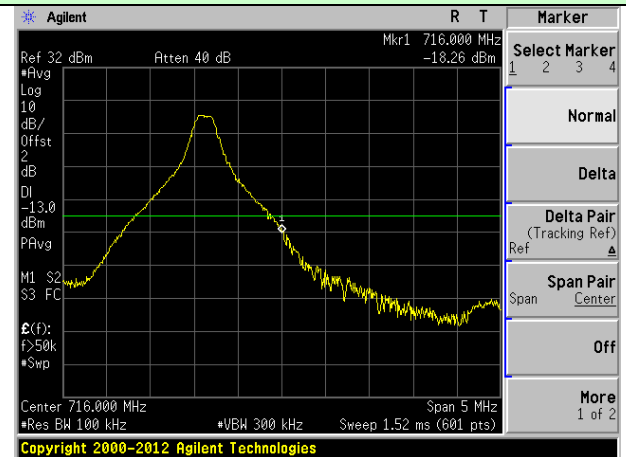
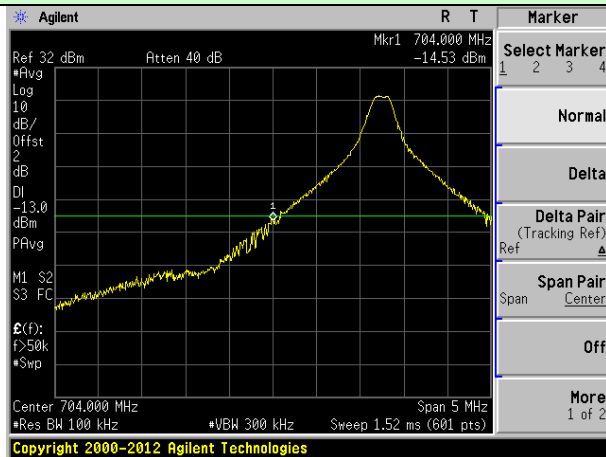


Highest channel



LTE band 17:

5MHz Bandwidth (RB size:1# RB offset:0#) 5MHz Bandwidth (RB size:1# RB offset:24#)

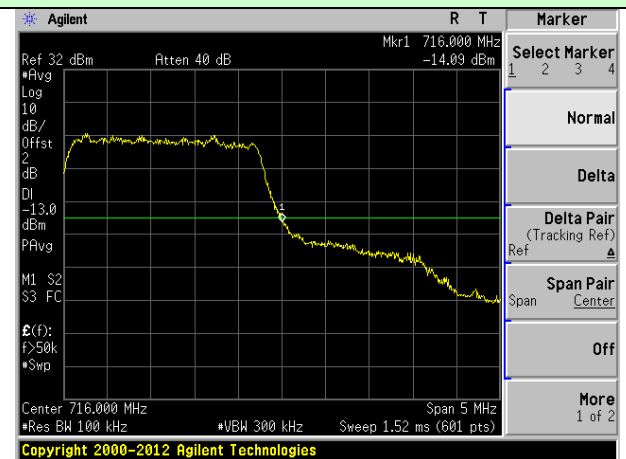
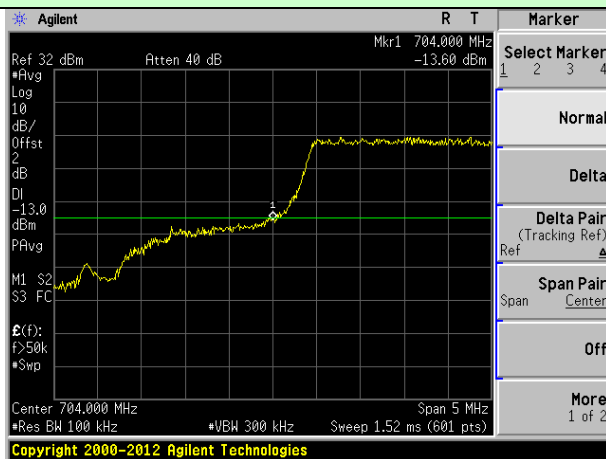


Lowest channel

Highest channel

5MHz Bandwidth (RB size:12# RB offset:0#)

5MHz Bandwidth (RB size:12# RB offset:13#)

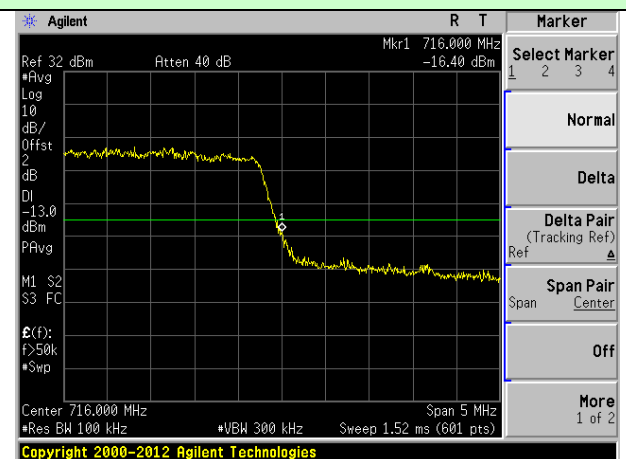
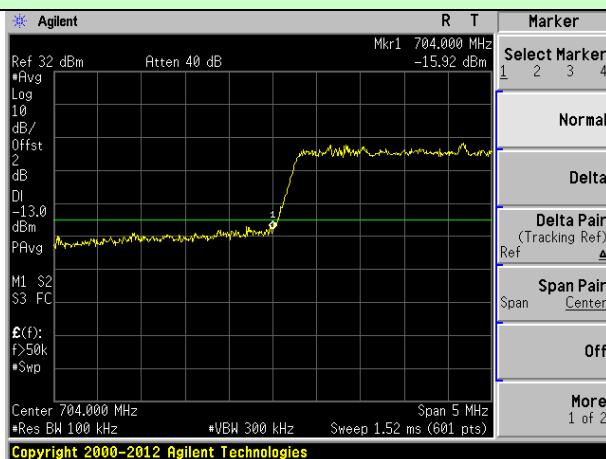


Lowest channel

Highest channel

5MHz Bandwidth (RB size:25# RB offset:0#)

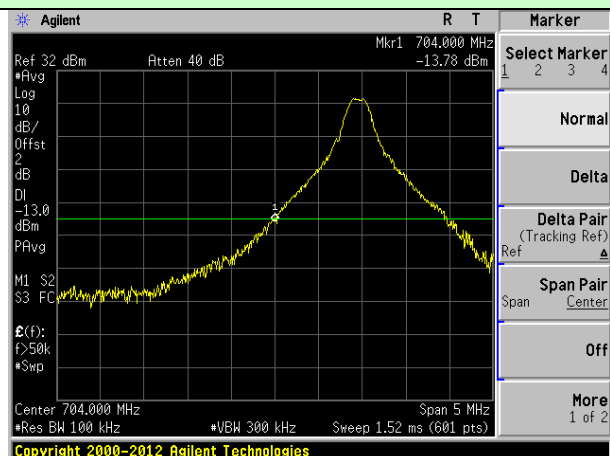
5MHz Bandwidth (RB size:25# RB offset:0#)



Lowest channel

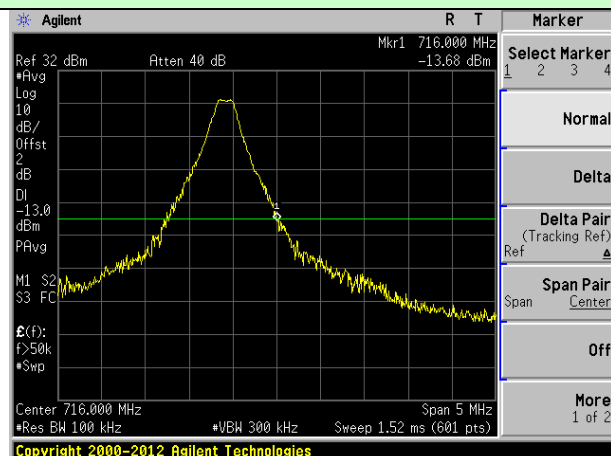
Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



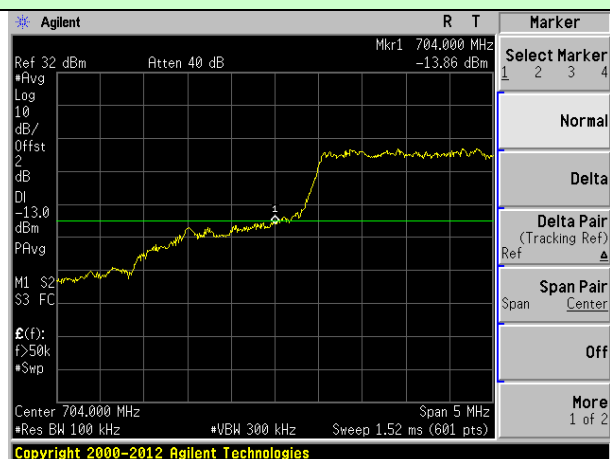
Middle channel

10MHz Bandwidth (RB size:1# RB offset:49#)



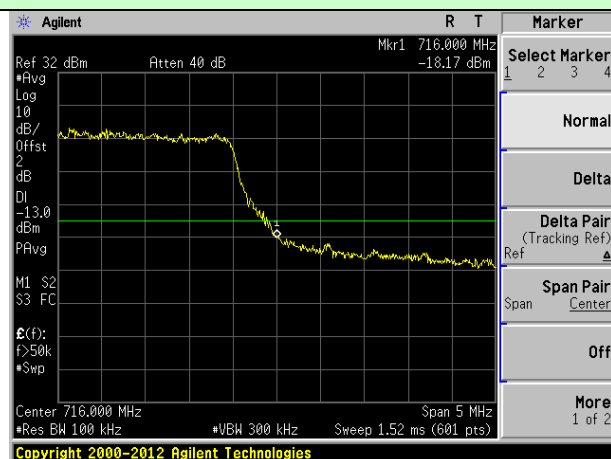
Middle channel

10MHz Bandwidth (RB size:25# RB offset:0#)



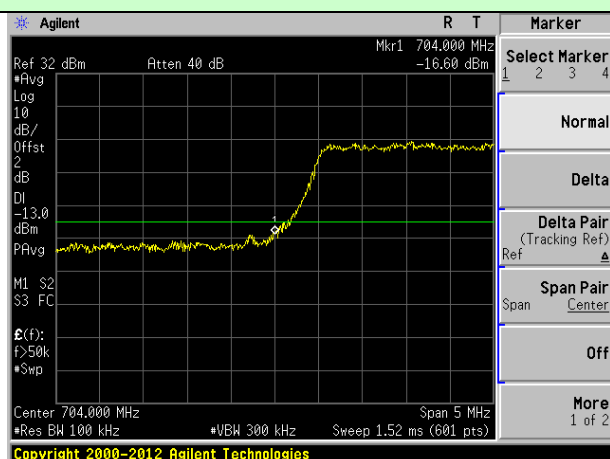
Middle channel

10MHz Bandwidth (RB size:25# RB offset:25#)



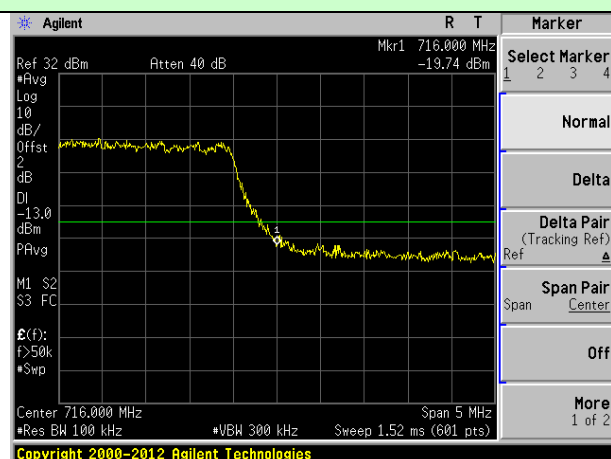
Middle channel

10MHz Bandwidth (RB size:50# RB offset:0#)



Middle channel

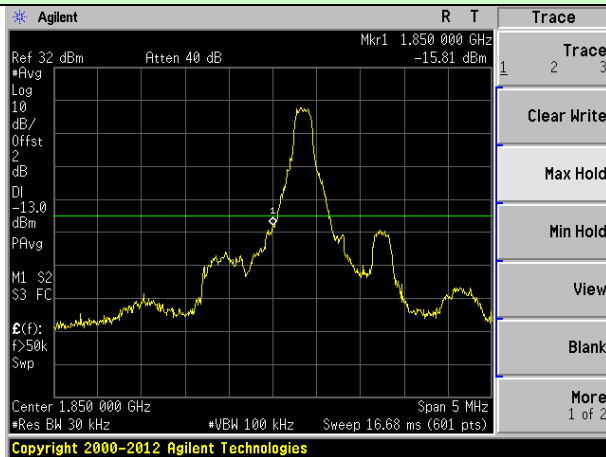
10MHz Bandwidth (RB size:50# RB offset:0#)



Middle channel

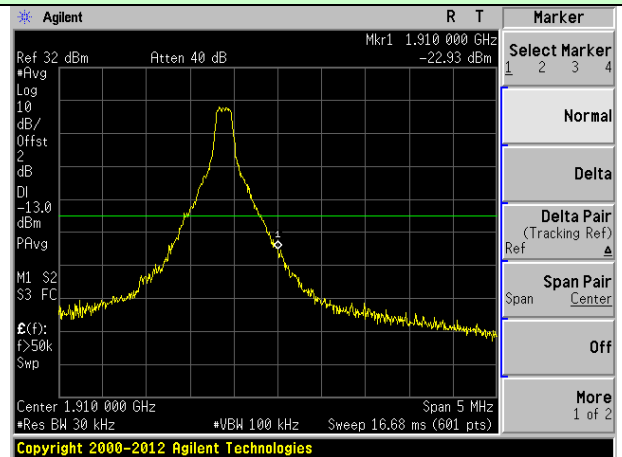
LTE Band 2 (16QAM mode):

1.4MHz Bandwidth (RB size:1# RB offset:0#)



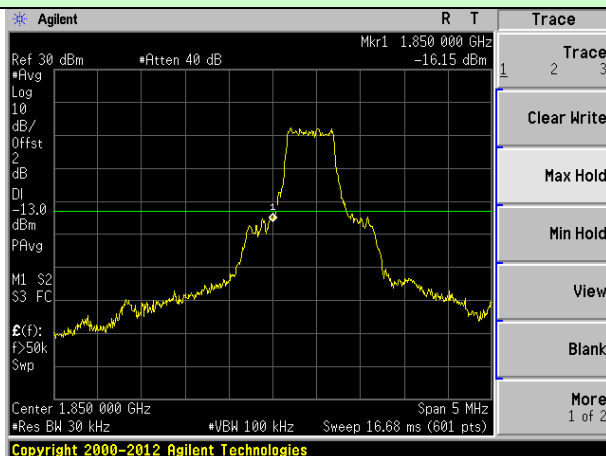
Lowest channel

1.4MHz Bandwidth (RB size:1# RB offset:5#)



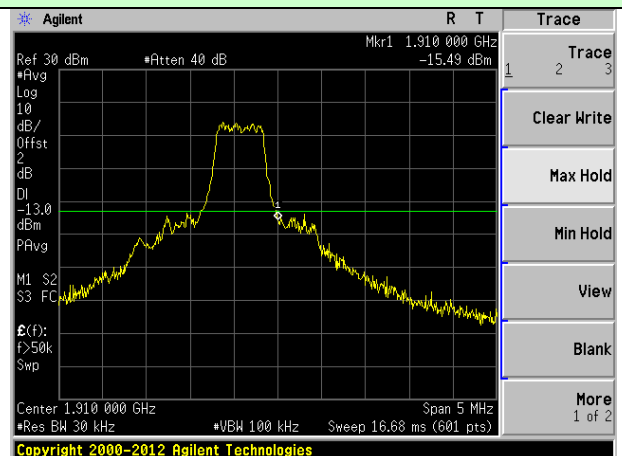
Highest channel

1.4MHz Bandwidth (RB size:3# RB offset:0#)



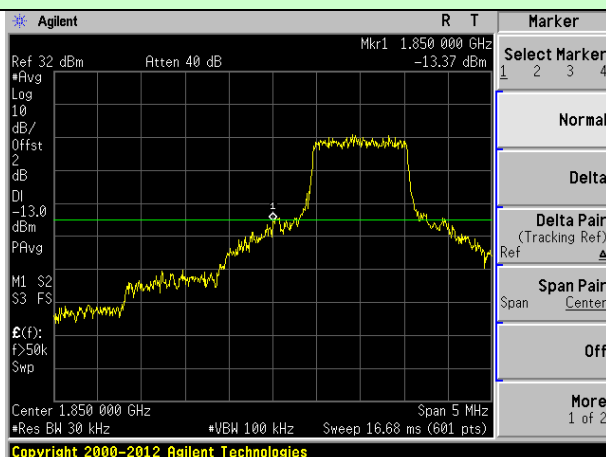
Lowest channel

1.4MHz Bandwidth (RB size:3# RB offset:2#)



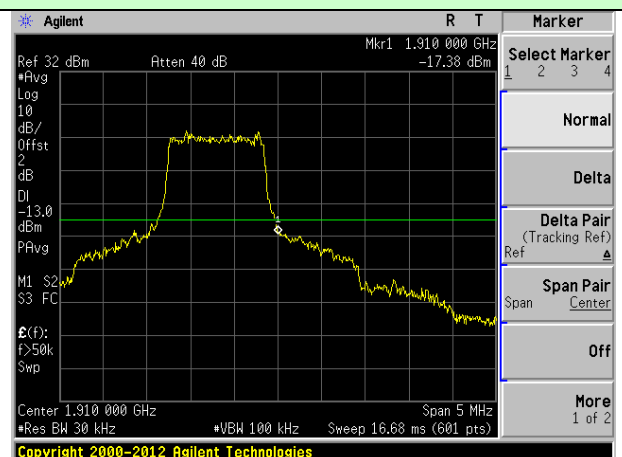
Highest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)



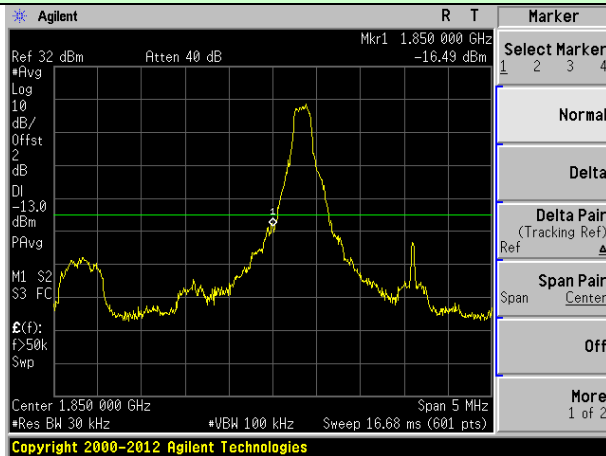
Lowest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)



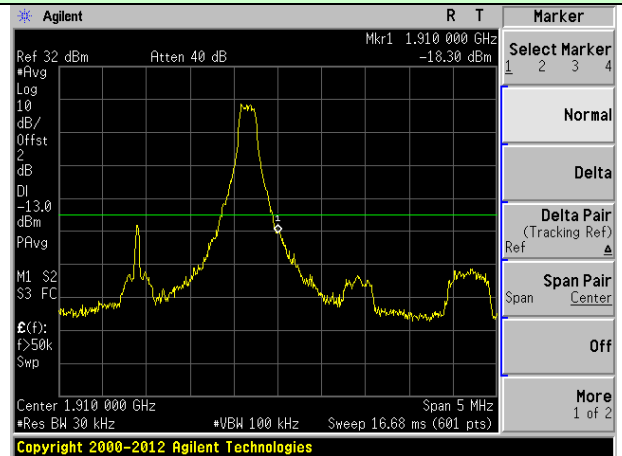
Highest channel

3MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

3MHz Bandwidth (RB size:1# RB offset:14#)



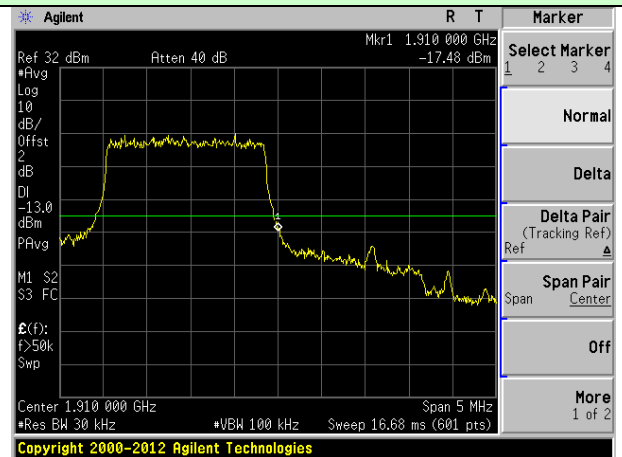
Highest channel

3MHz Bandwidth (RB size:8# RB offset:0#)



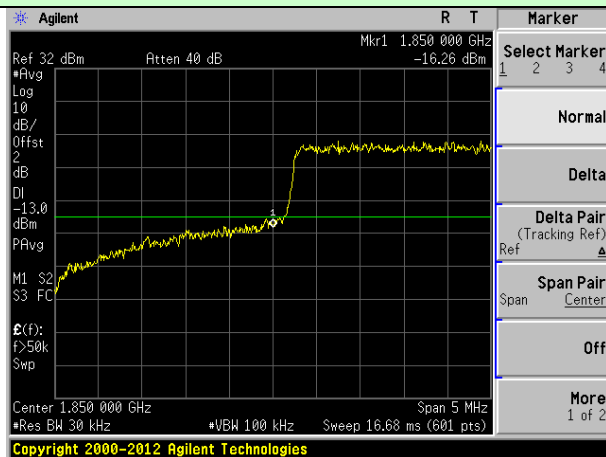
Lowest channel

3MHz Bandwidth (RB size:8# RB offset:7#)



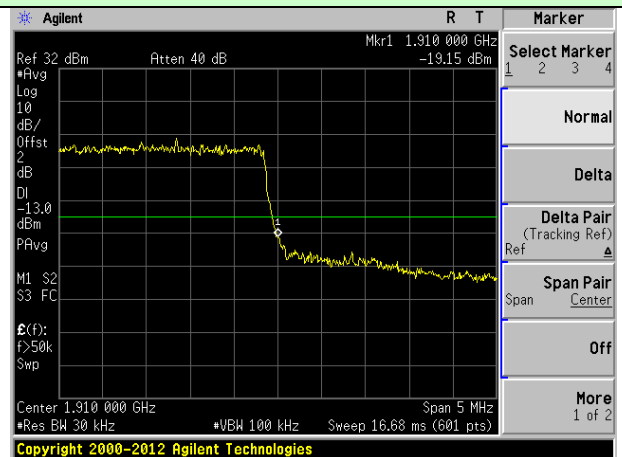
Highest channel

3MHz Bandwidth (RB size:15# RB offset:0#)

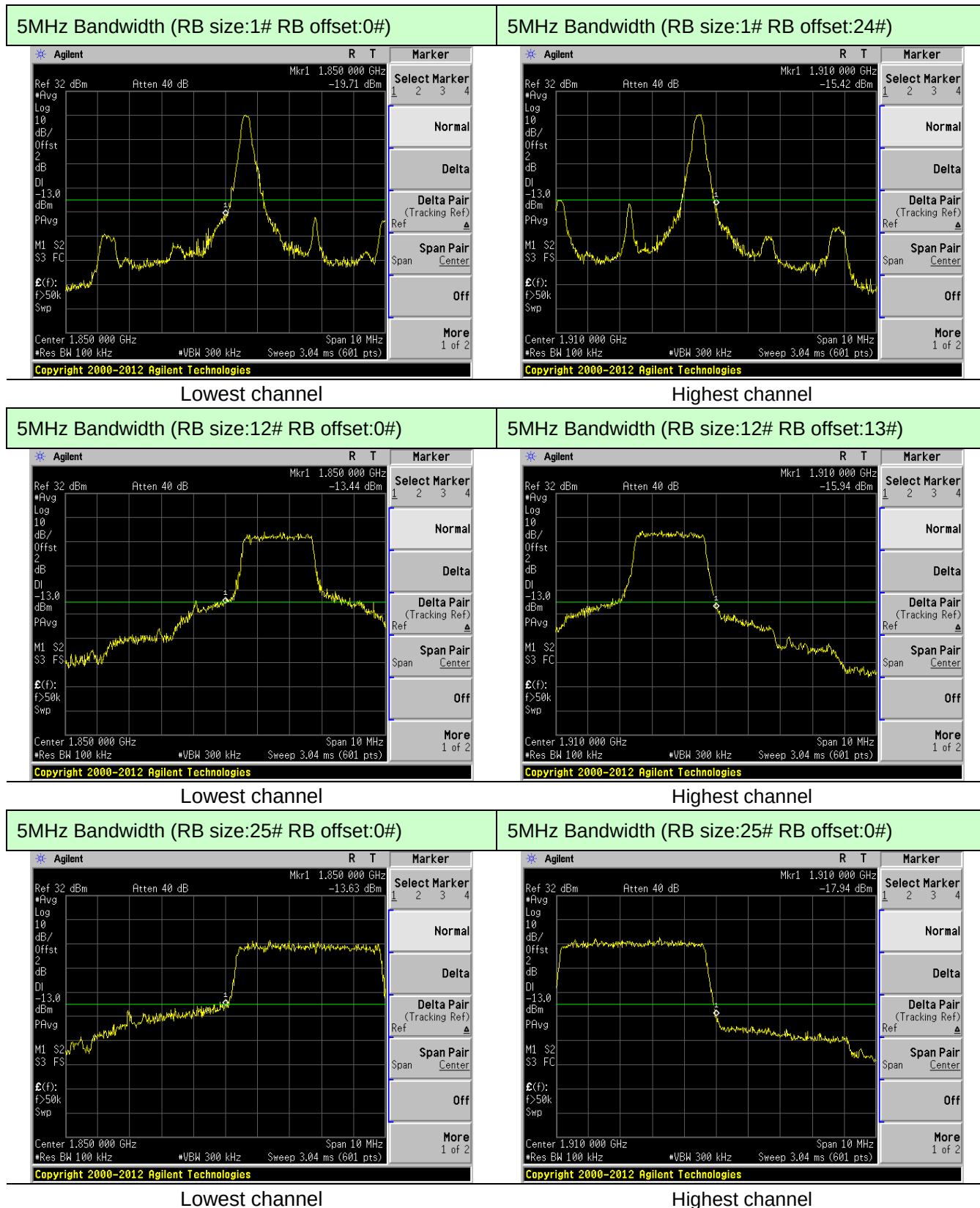


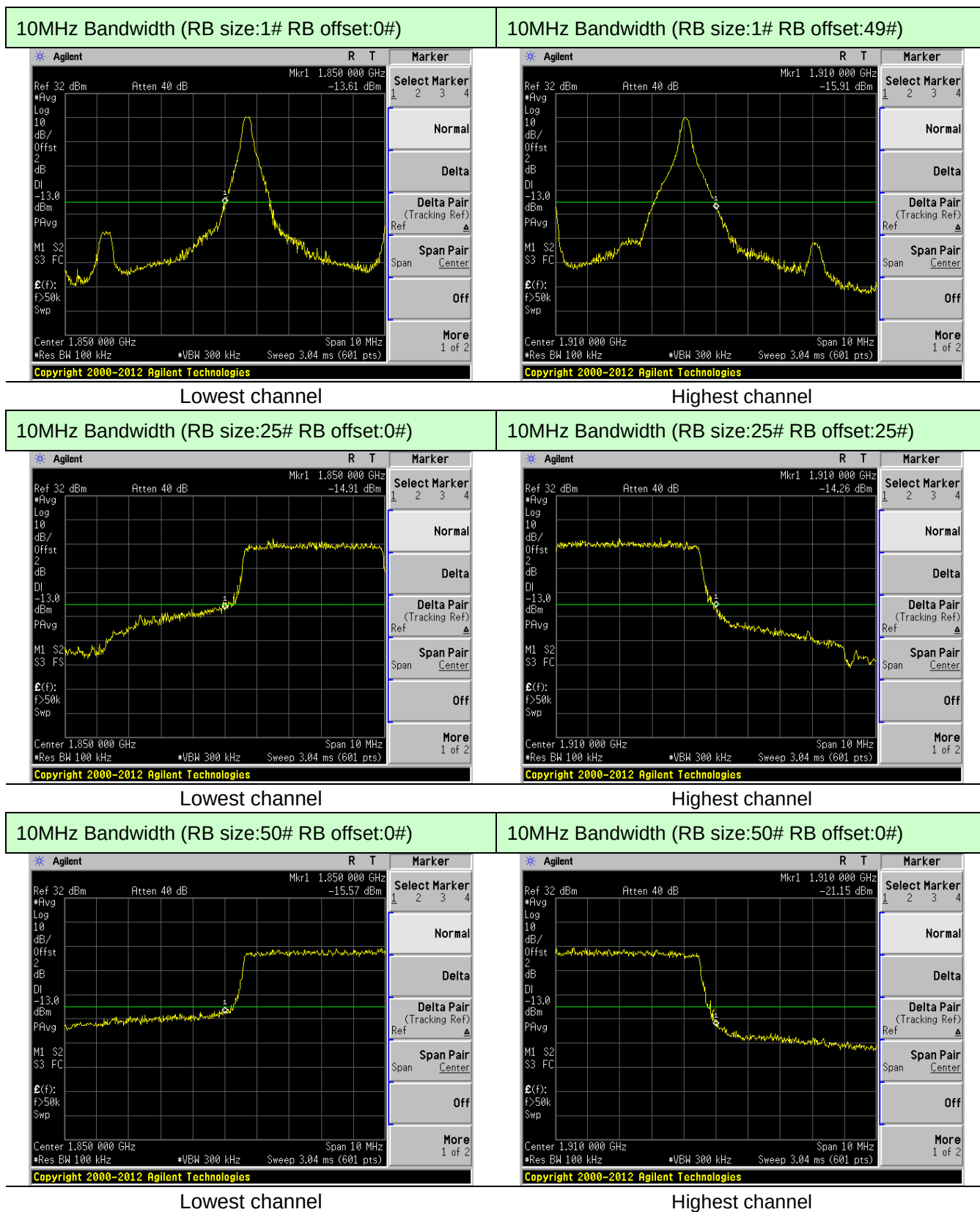
Lowest channel

3MHz Bandwidth (RB size:15# RB offset:0#)

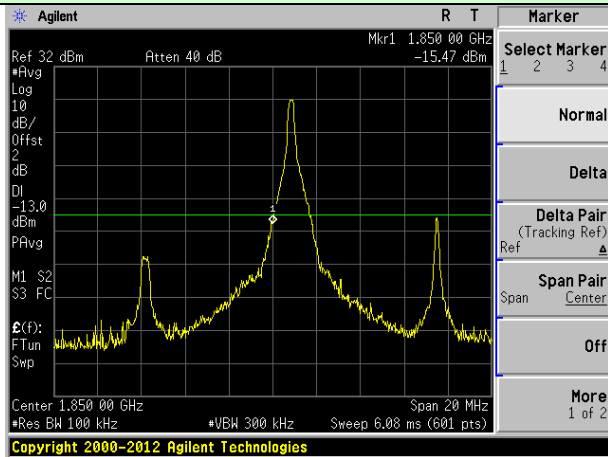


Highest channel

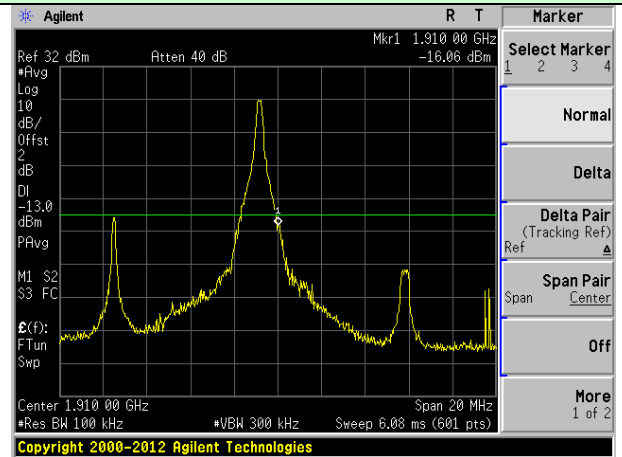




15MHz Bandwidth (RB size:1# RB offset:0#)



15MHz Bandwidth (RB size:1# RB offset:74#)



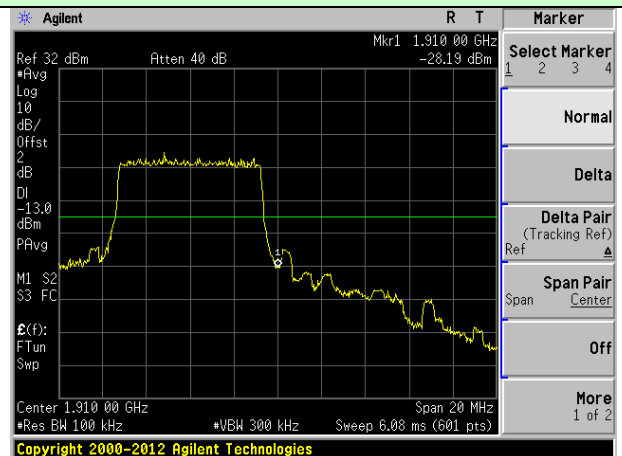
Lowest channel

Highest channel

15MHz Bandwidth (RB size:36# RB offset:0#)



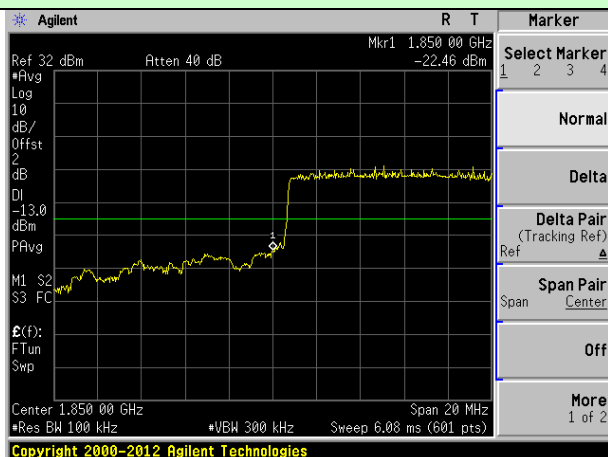
15MHz Bandwidth (RB size:36# RB offset:39#)



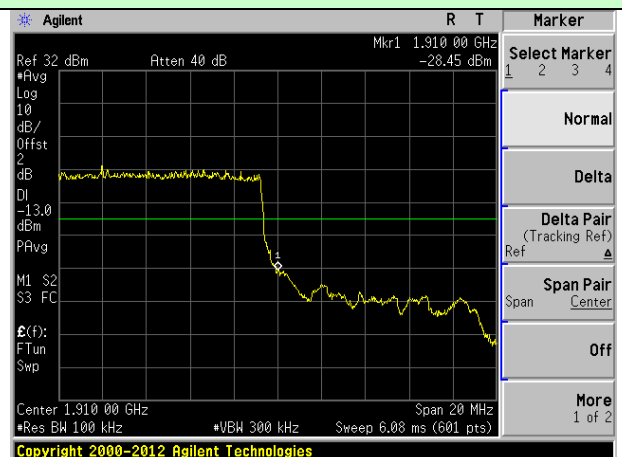
Lowest channel

Highest channel

15MHz Bandwidth (RB size:75# RB offset:0#)



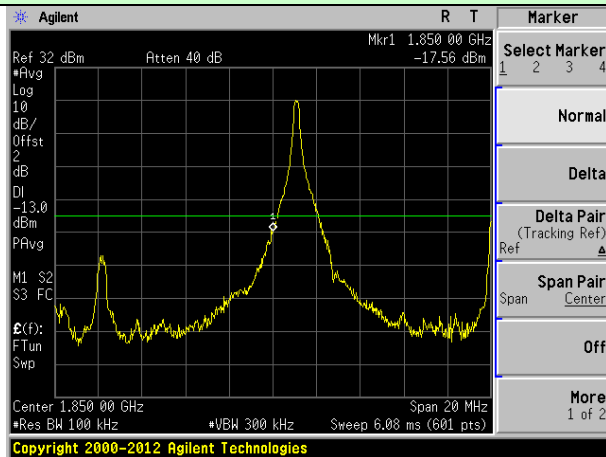
15MHz Bandwidth (RB size:75# RB offset:0#)



Lowest channel

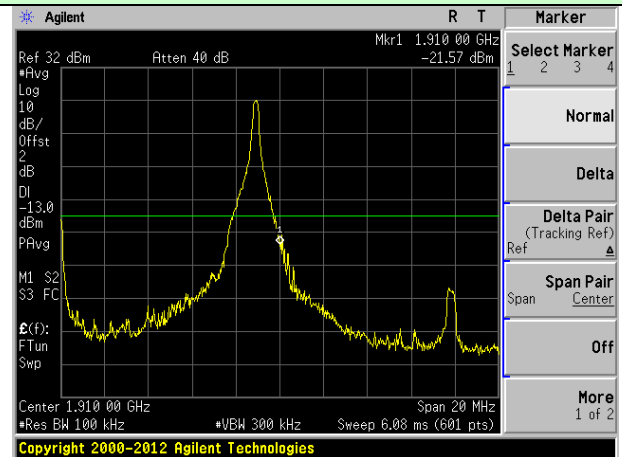
Highest channel

20MHz Bandwidth (RB size:1# RB offset:0#)



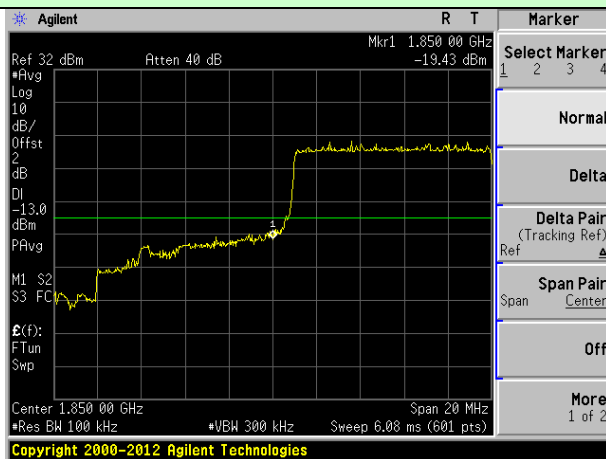
Lowest channel

20MHz Bandwidth (RB size:1# RB offset:99#)



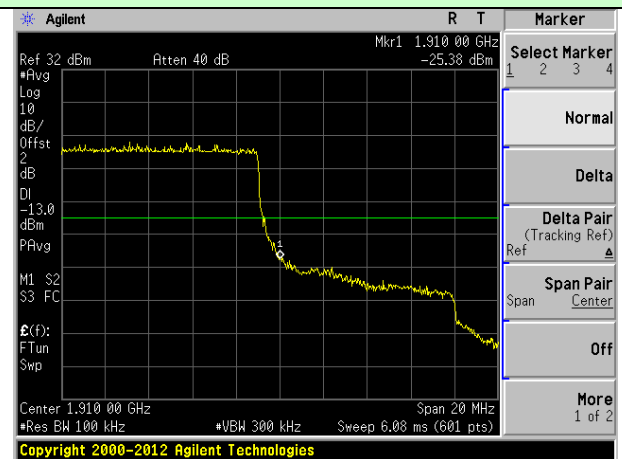
Highest channel

20MHz Bandwidth (RB size:50# RB offset:0#)



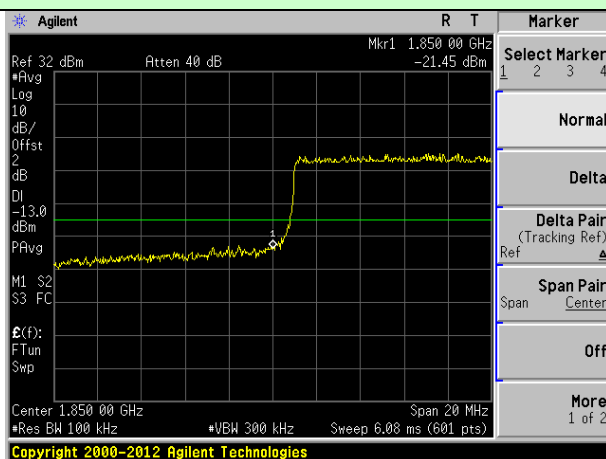
Lowest channel

20MHz Bandwidth (RB size:50# RB offset:50#)



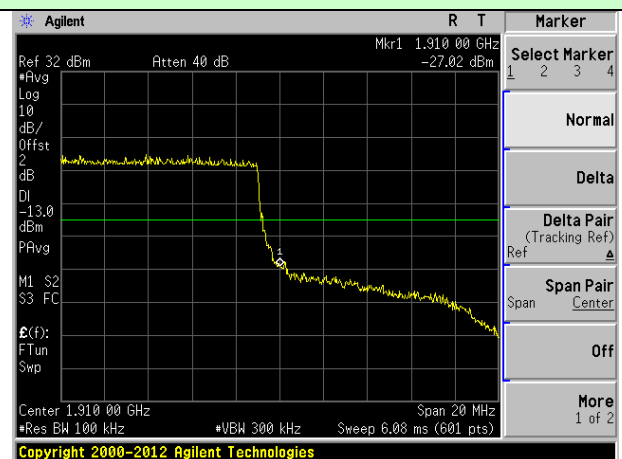
Highest channel

20MHz Bandwidth (RB size:100# RB offset:0#)



Lowest channel

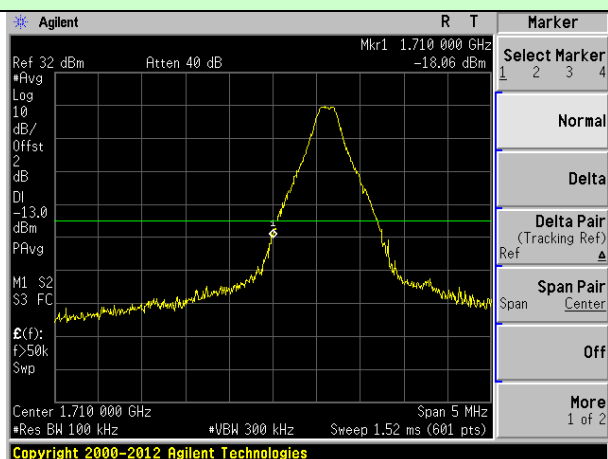
20MHz Bandwidth (RB size:100# RB offset:0#)



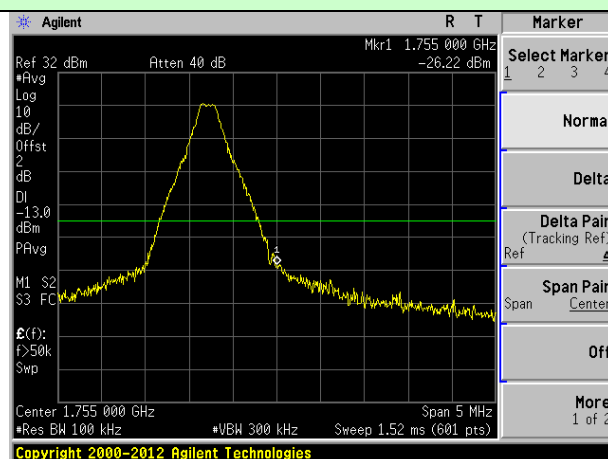
Highest channel

LTE Band 4 (16QAM mode):

|                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| 1.4MHz Bandwidth (RB size:1# RB offset:0#) | 1.4MHz Bandwidth (RB size:1# RB offset:5#) |
|--------------------------------------------|--------------------------------------------|

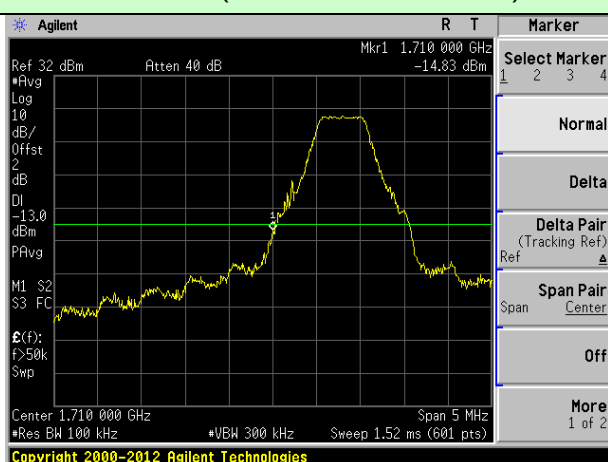


Lowest channel

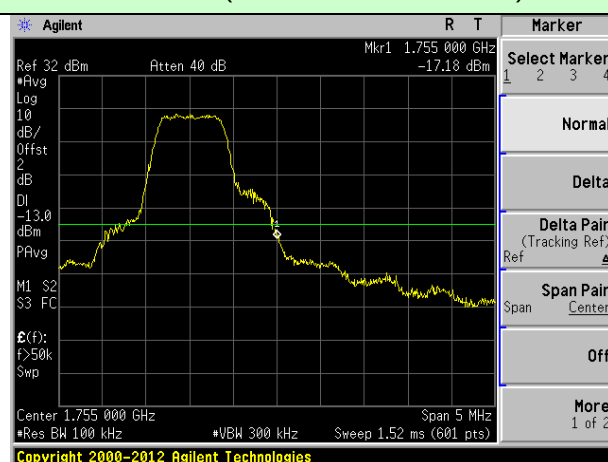


Highest channel

|                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| 1.4MHz Bandwidth (RB size:3# RB offset:0#) | 1.4MHz Bandwidth (RB size:3# RB offset:2#) |
|--------------------------------------------|--------------------------------------------|

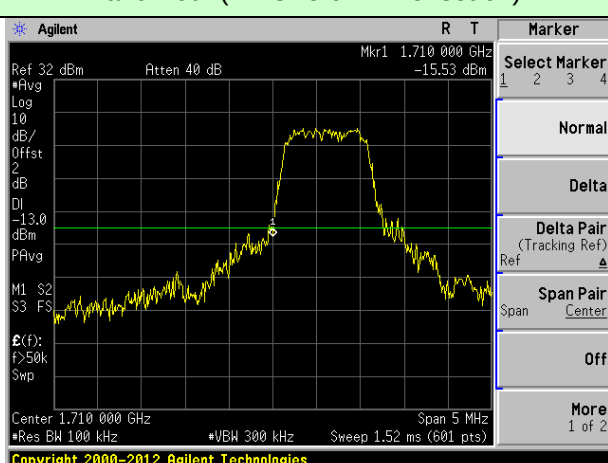


Lowest channel

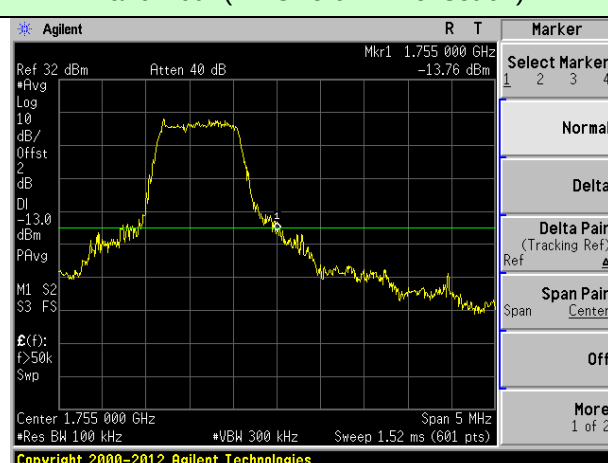


Highest channel

|                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| 1.4MHz Bandwidth (RB size:6# RB offset:0#) | 1.4MHz Bandwidth (RB size:6# RB offset:0#) |
|--------------------------------------------|--------------------------------------------|

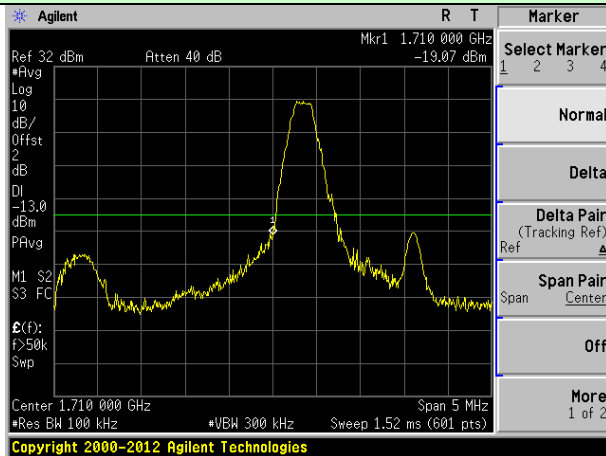


Lowest channel



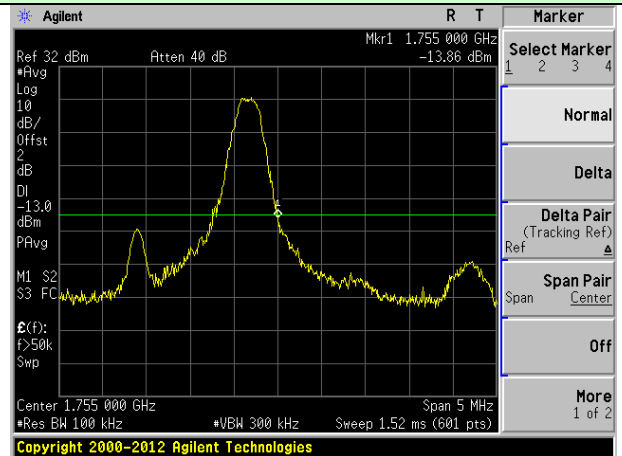
Highest channel

3MHz Bandwidth (RB size:1# RB offset:0#)



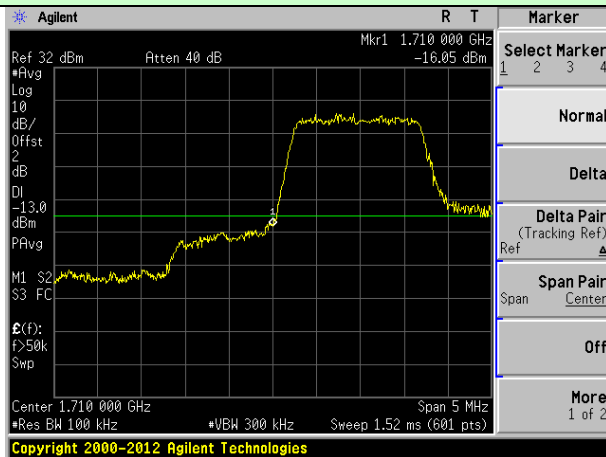
Lowest channel

3MHz Bandwidth (RB size:1# RB offset:14#)



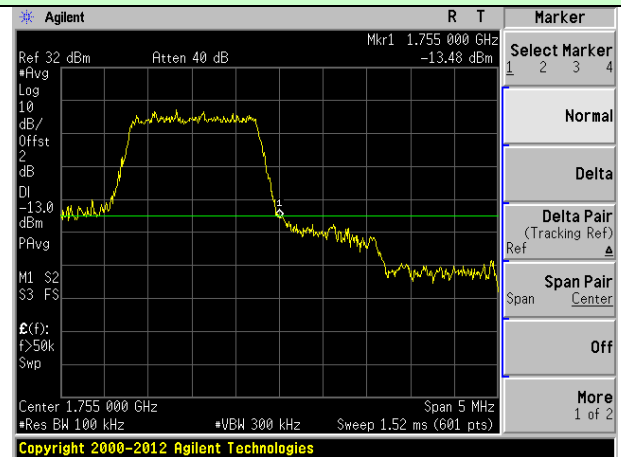
Highest channel

3MHz Bandwidth (RB size:8# RB offset:0#)



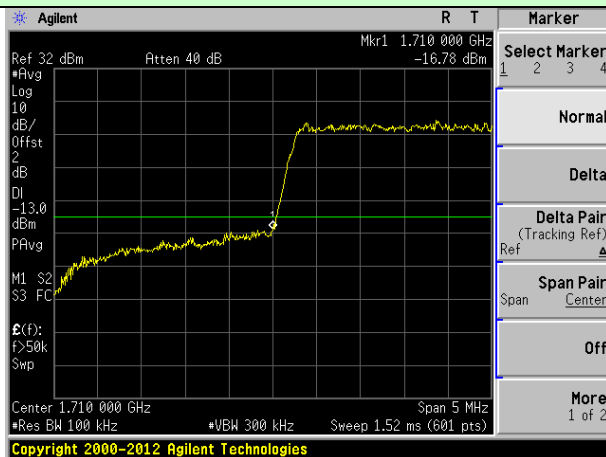
Lowest channel

3MHz Bandwidth (RB size:8# RB offset:7#)



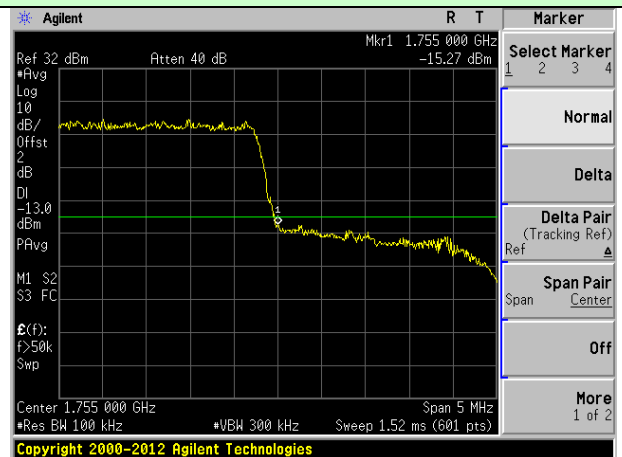
Highest channel

3MHz Bandwidth (RB size:15# RB offset:0#)



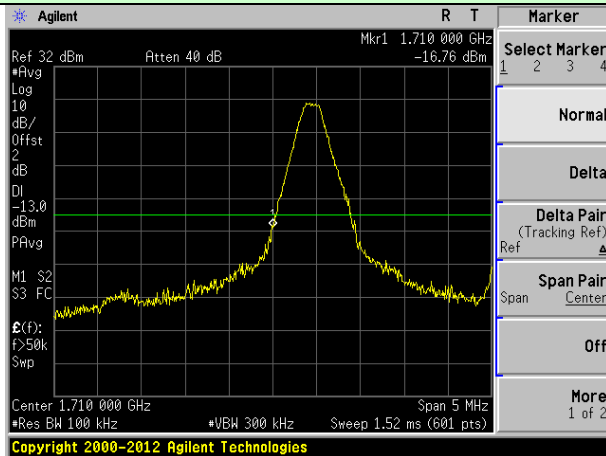
Lowest channel

3MHz Bandwidth (RB size:15# RB offset:0#)

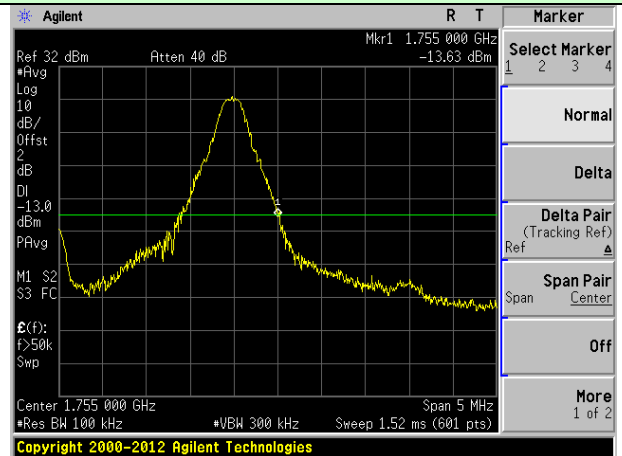


Highest channel

5MHz Bandwidth (RB size:1# RB offset:0#)



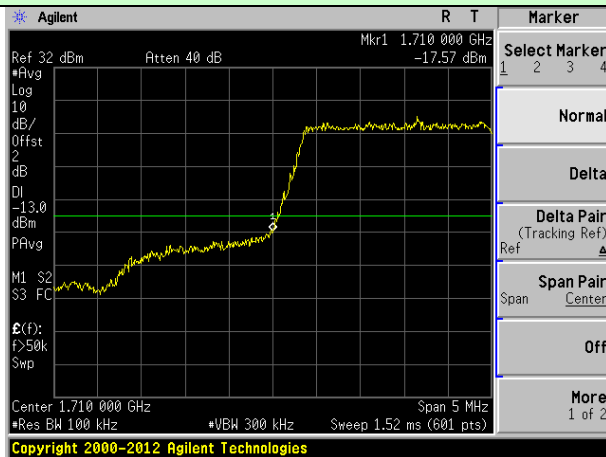
5MHz Bandwidth (RB size:1# RB offset:24#)



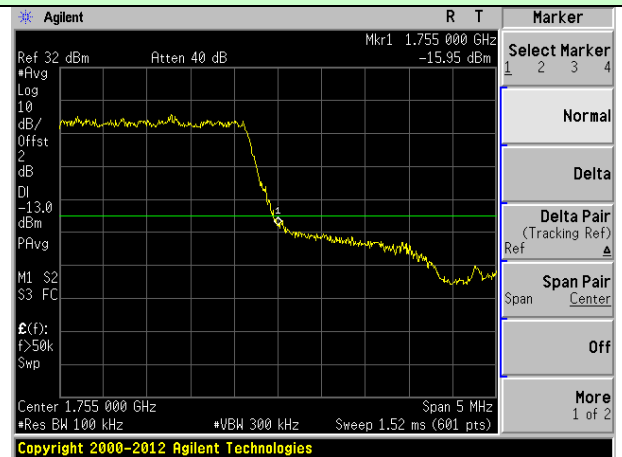
Lowest channel

Highest channel

5MHz Bandwidth (RB size:12# RB offset:0#)



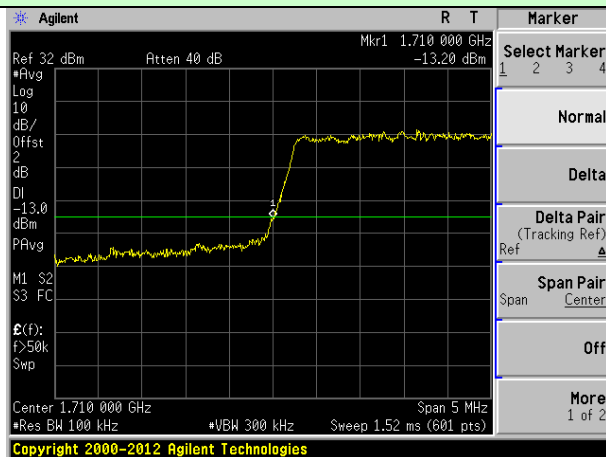
5MHz Bandwidth (RB size:12# RB offset:13#)



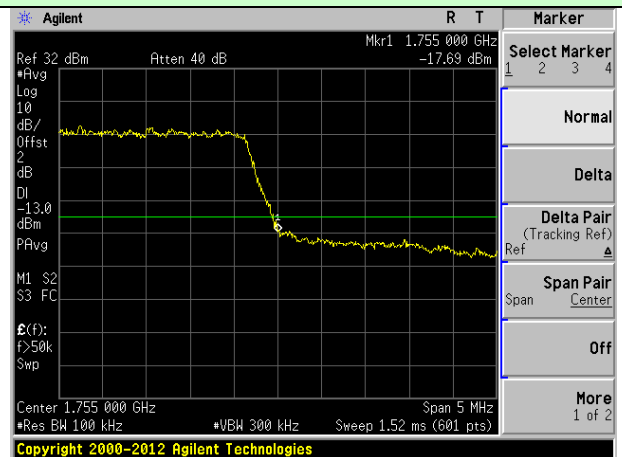
Lowest channel

Highest channel

5MHz Bandwidth (RB size:25# RB offset:0#)



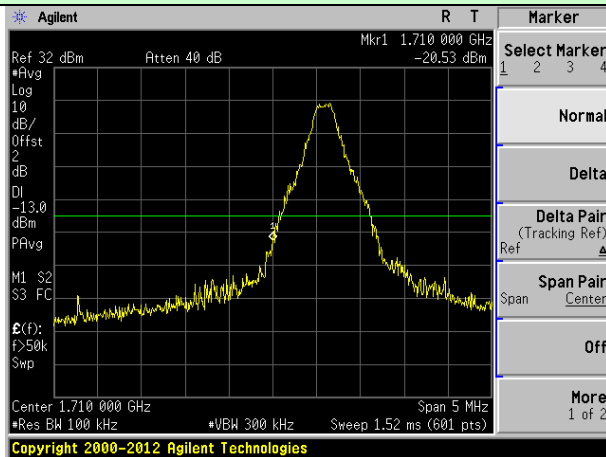
5MHz Bandwidth (RB size:25# RB offset:0#)



Lowest channel

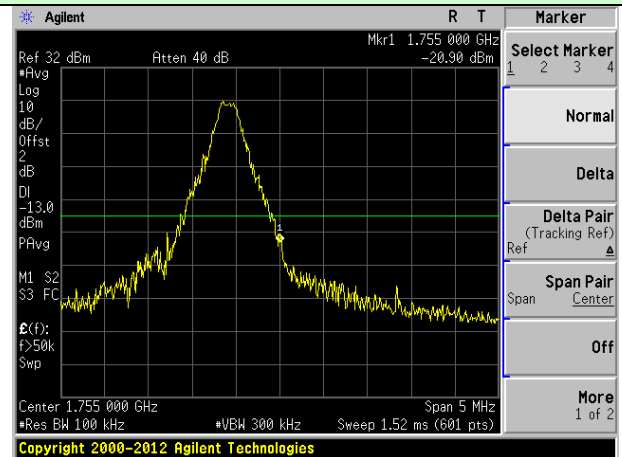
Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



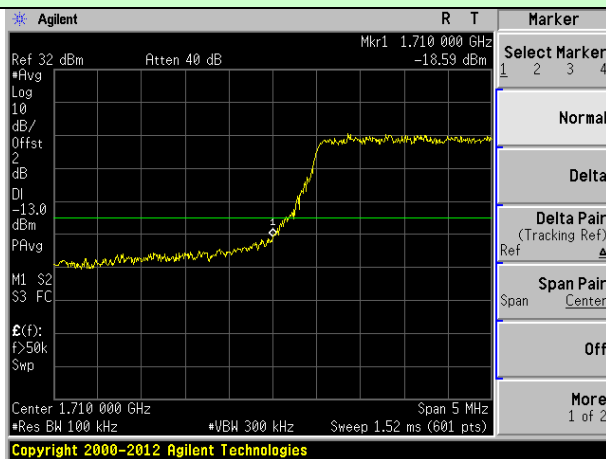
Lowest channel

10MHz Bandwidth (RB size:1# RB offset:49#)



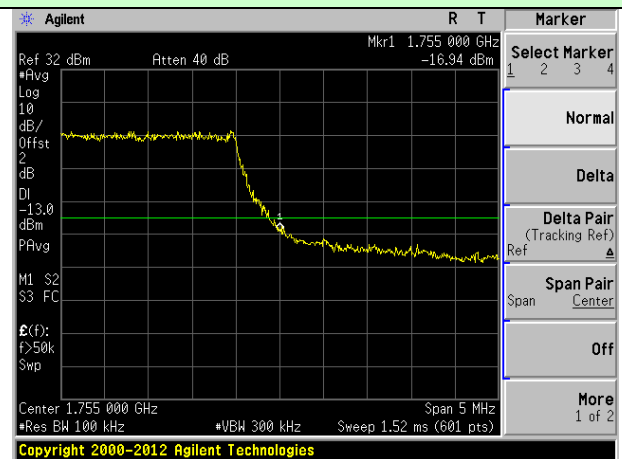
Highest channel

10MHz Bandwidth (RB size:25# RB offset:0#)



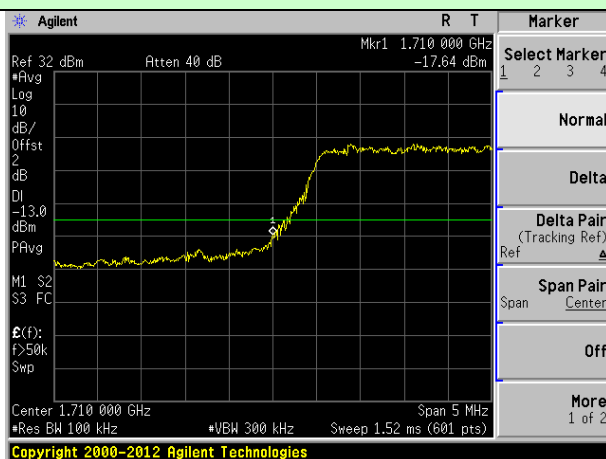
Lowest channel

10MHz Bandwidth (RB size:25# RB offset:25#)



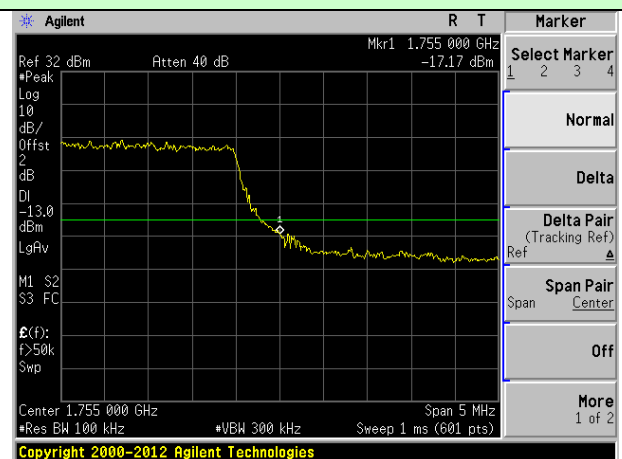
Highest channel

10MHz Bandwidth (RB size:50# RB offset:0#)

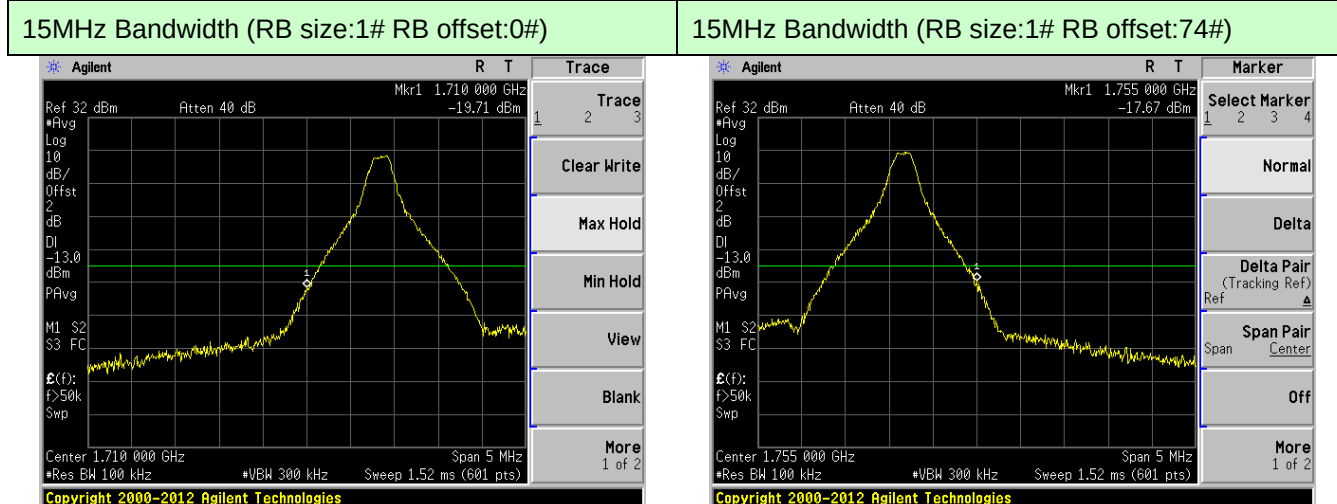


Lowest channel

10MHz Bandwidth (RB size:50# RB offset:0#)

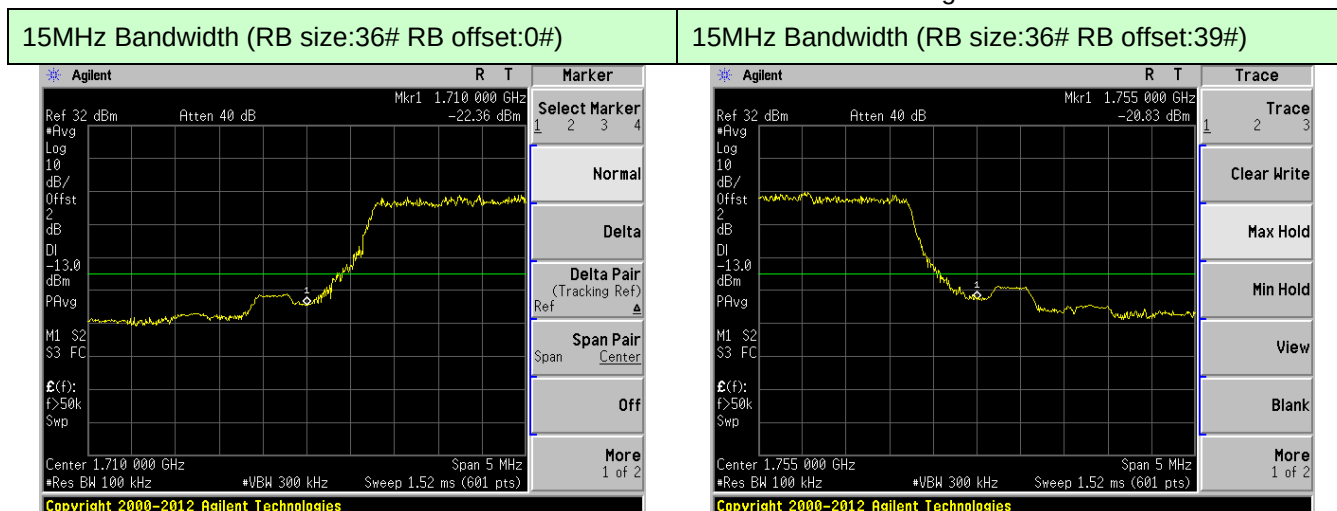


Highest channel



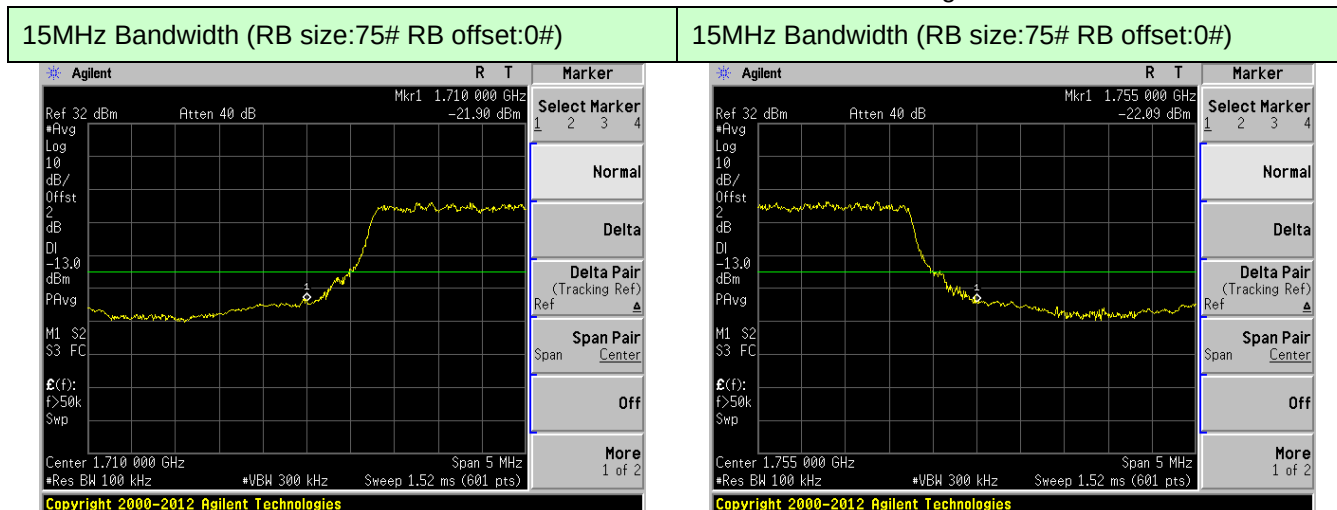
Lowest channel

Highest channel



Lowest channel

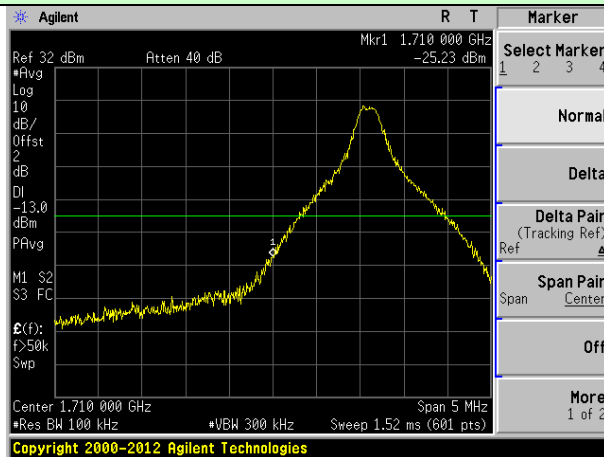
Highest channel



Lowest channel

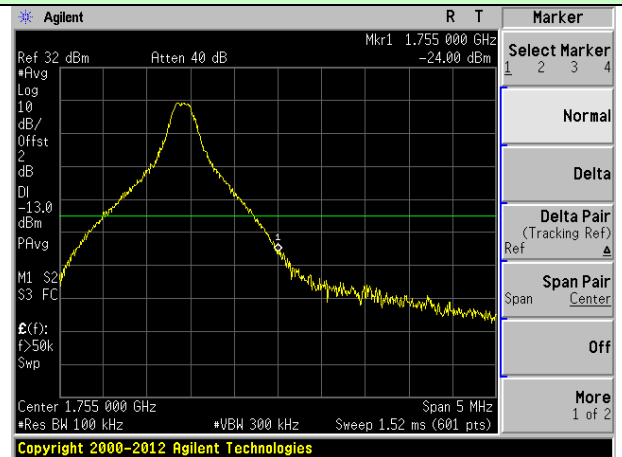
Highest channel

20MHz Bandwidth (RB size:1# RB offset:0#)



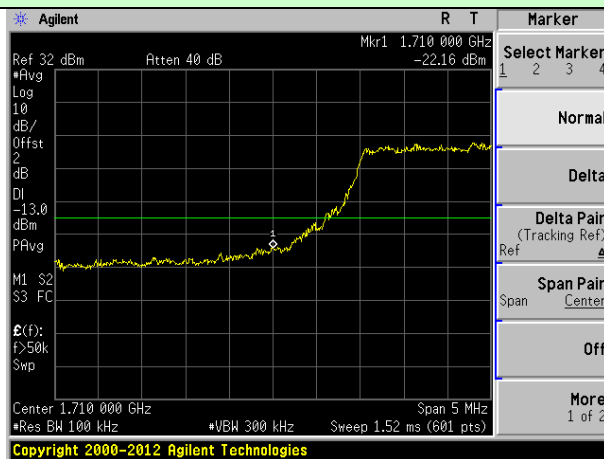
Lowest channel

20MHz Bandwidth (RB size:1# RB offset:99#)



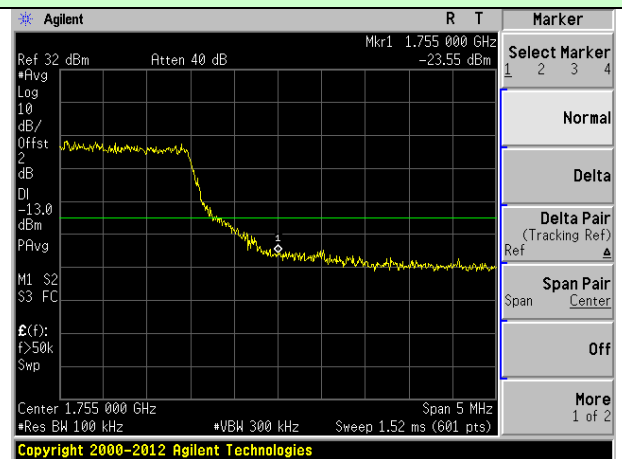
Highest channel

20MHz Bandwidth (RB size:50# RB offset:0#)



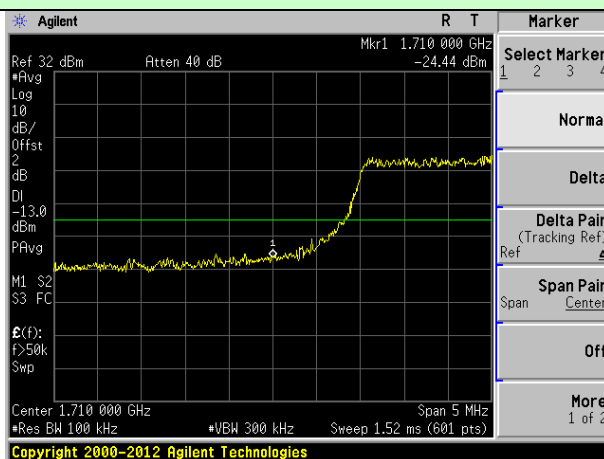
Lowest channel

20MHz Bandwidth (RB size:50# RB offset:50#)



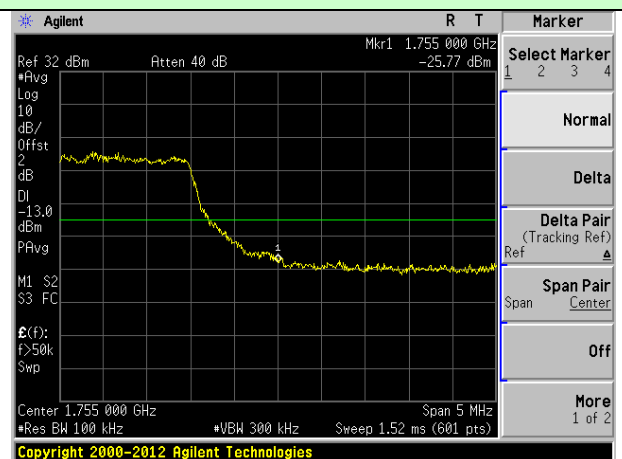
Highest channel

20MHz Bandwidth (RB size:100# RB offset:0#)



Lowest channel

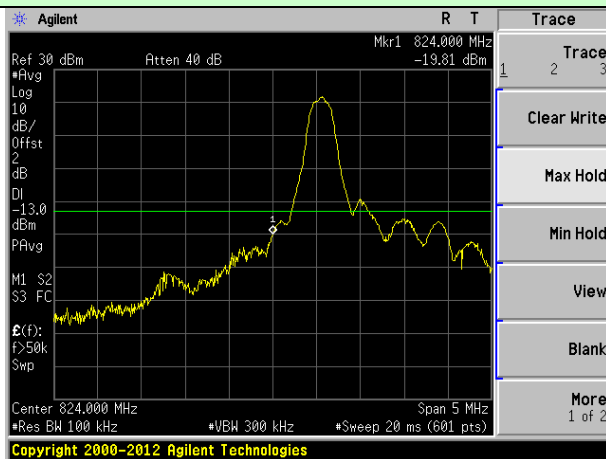
20MHz Bandwidth (RB size:100# RB offset:0#)



Highest channel

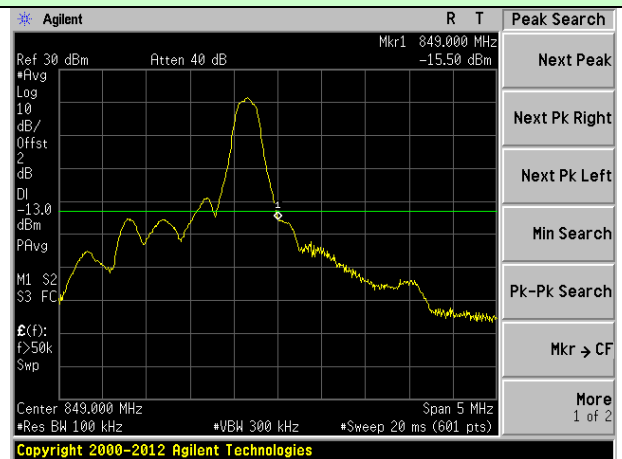
LTE Band 5 (16QAM mode):

1.4MHz Bandwidth (RB size:1# RB offset:0#)



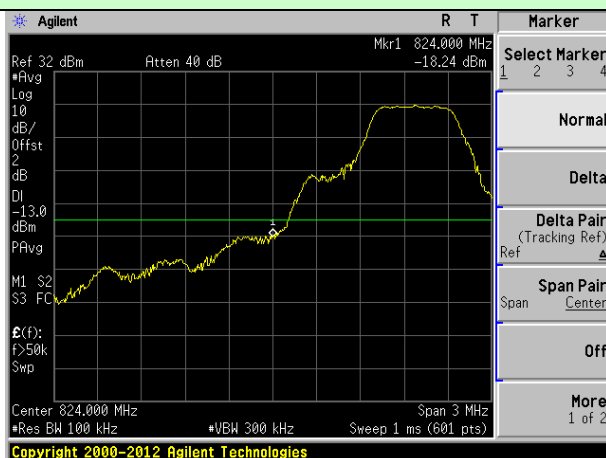
Lowest channel

1.4MHz Bandwidth (RB size:1# RB offset:24#)



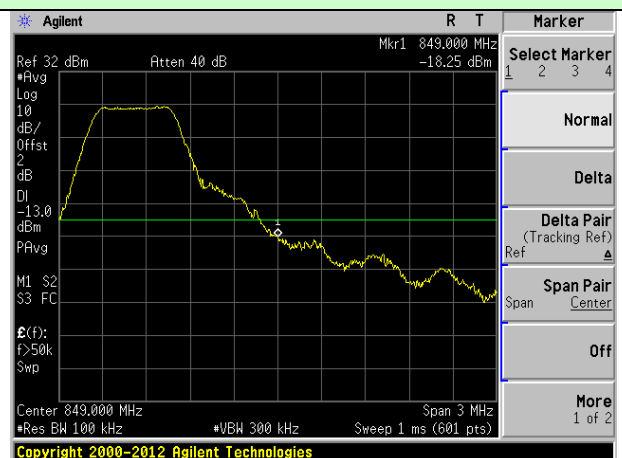
Highest channel

1.4MHz Bandwidth (RB size:12# RB offset:0#)



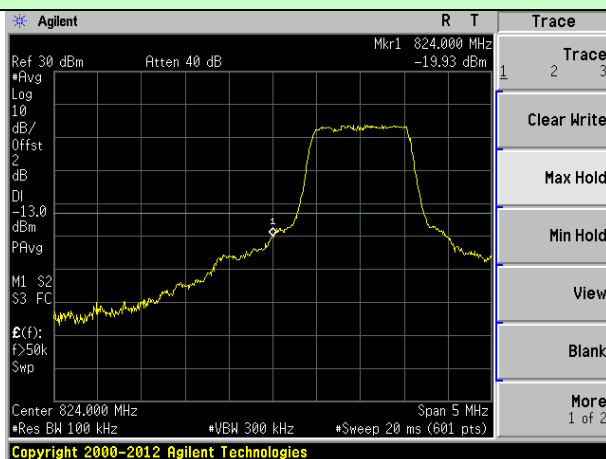
Lowest channel

1.4MHz Bandwidth (RB size:12# RB offset:13#)



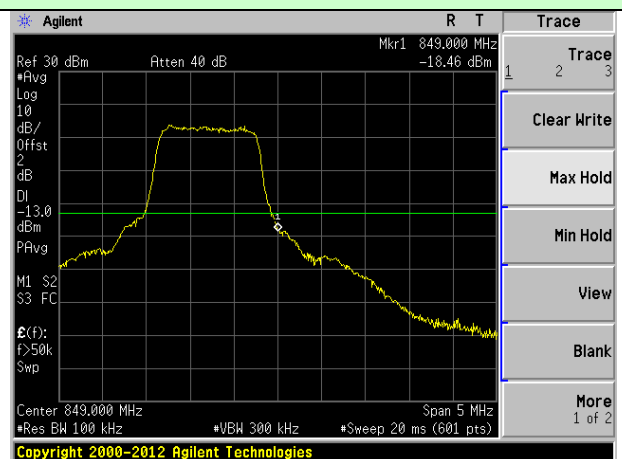
Highest channel

1.4MHz Bandwidth (RB size:25# RB offset:0#)

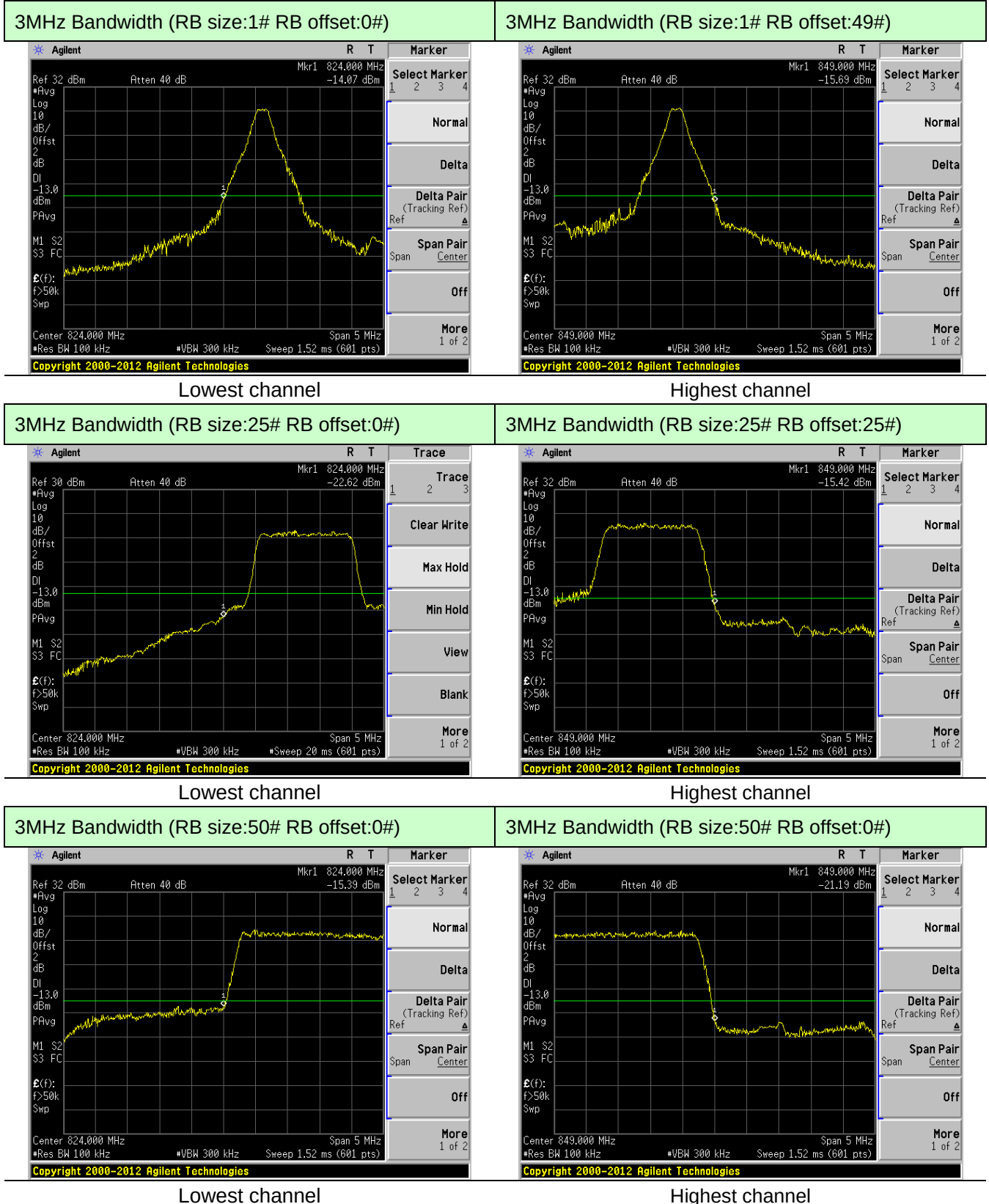


Lowest channel

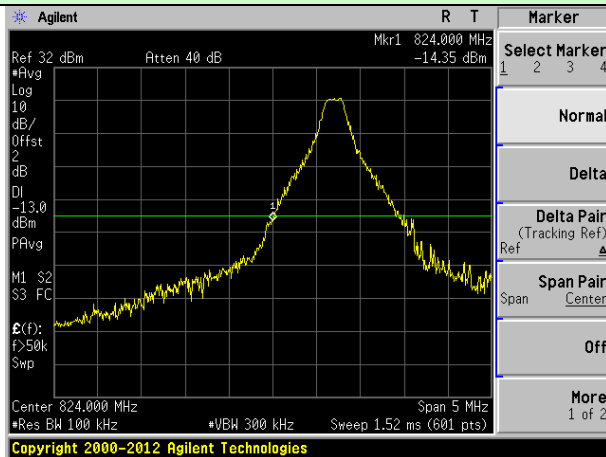
1.4MHz Bandwidth (RB size:25# RB offset:0#)



Highest channel

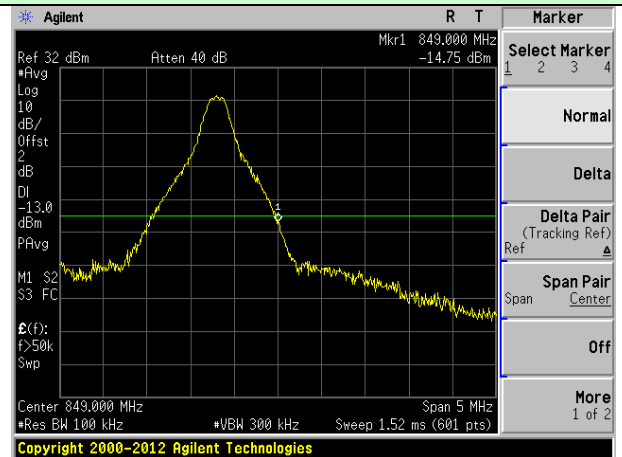


5MHz Bandwidth (RB size:1# RB offset:0#)



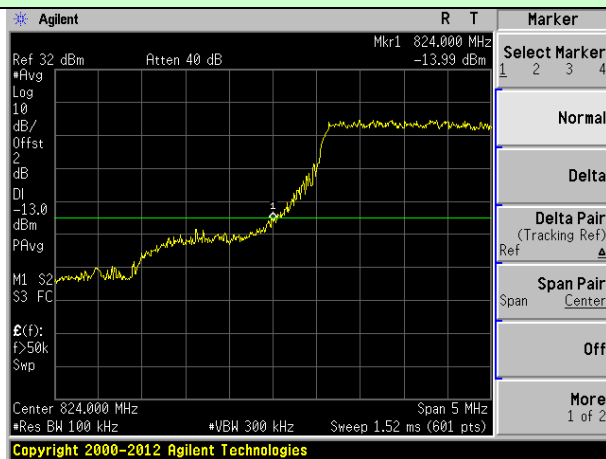
Lowest channel

5MHz Bandwidth (RB size:1# RB offset:74#)



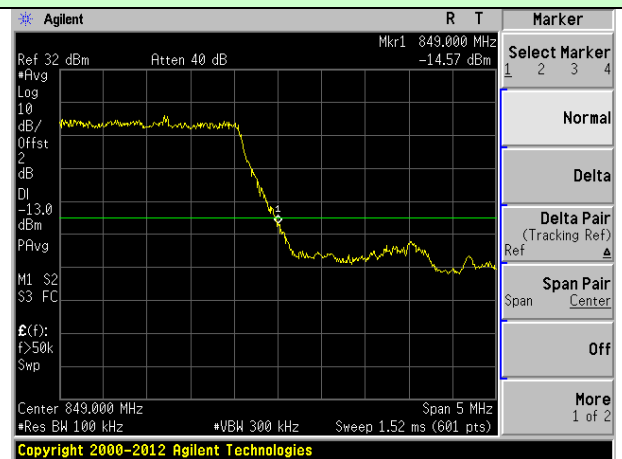
Highest channel

5MHz Bandwidth (RB size:36# RB offset:0#)



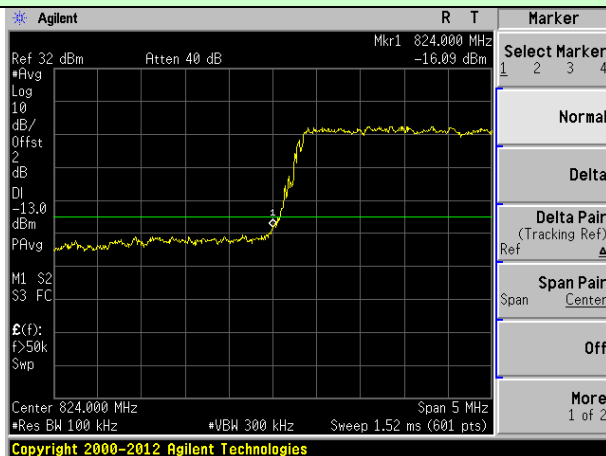
Lowest channel

5MHz Bandwidth (RB size:36# RB offset:39#)



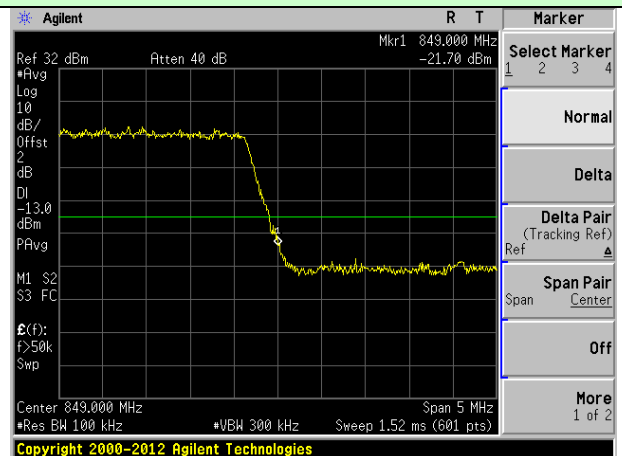
Highest channel

5MHz Bandwidth (RB size:75# RB offset:0#)



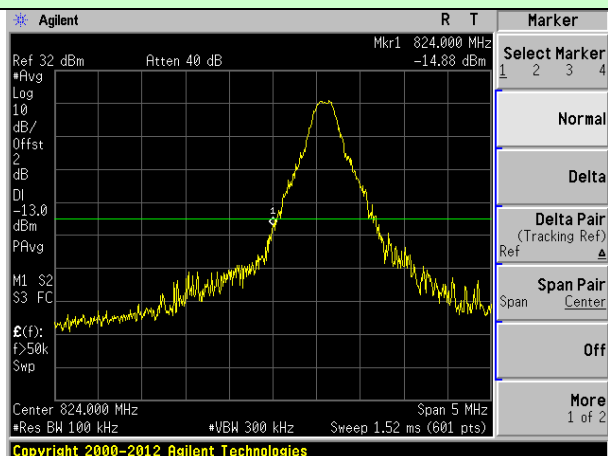
Lowest channel

5MHz Bandwidth (RB size:75# RB offset:0#)

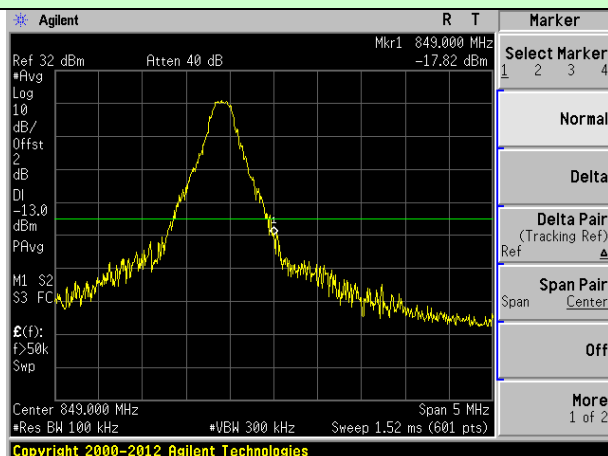


Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



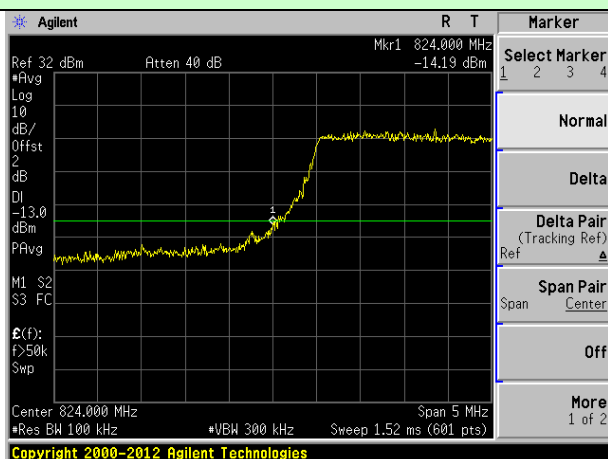
10MHz Bandwidth (RB size:1# RB offset:99#)



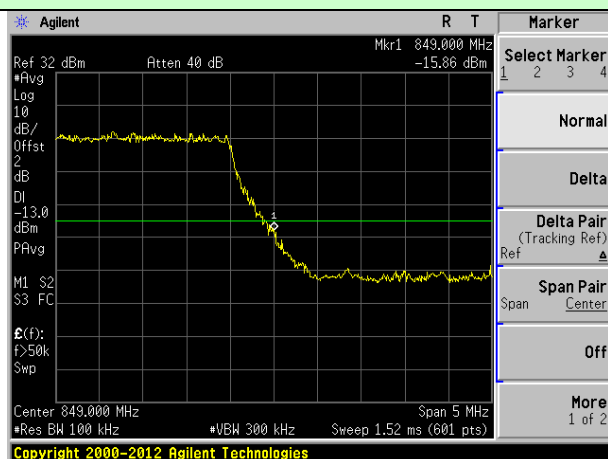
Lowest channel

Highest channel

10MHz Bandwidth (RB size:50# RB offset:0#)



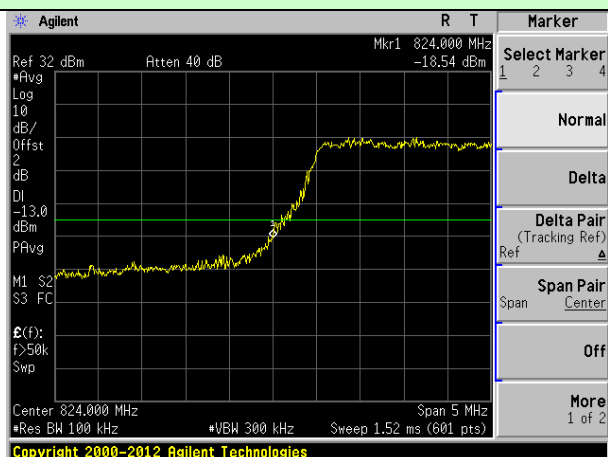
10MHz Bandwidth (RB size:50# RB offset:50#)



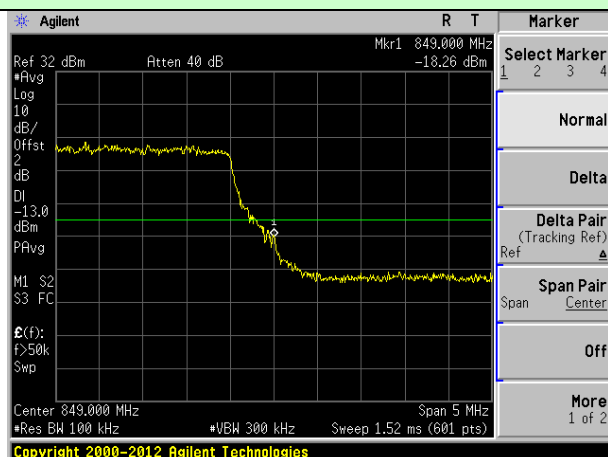
Lowest channel

Highest channel

10MHz Bandwidth (RB size:100# RB offset:0#)



10MHz Bandwidth (RB size:100# RB offset:0#)

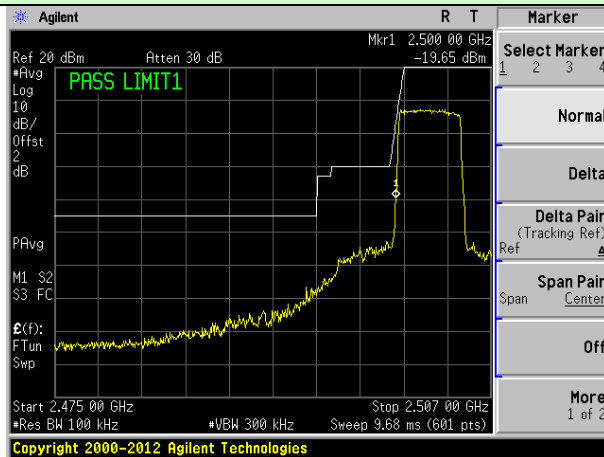


Lowest channel

Highest channel

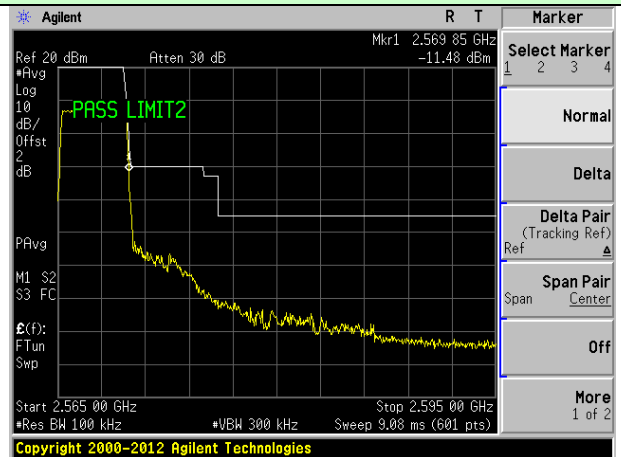
LTE Band 7 (16QAM mode):

5MHz Bandwidth (RB size:1# RB offset:0#)



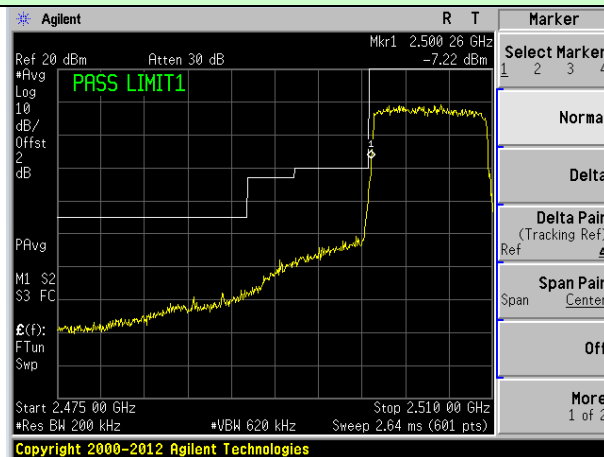
Lowest channel

5MHz Bandwidth (RB size:1# RB offset:24#)



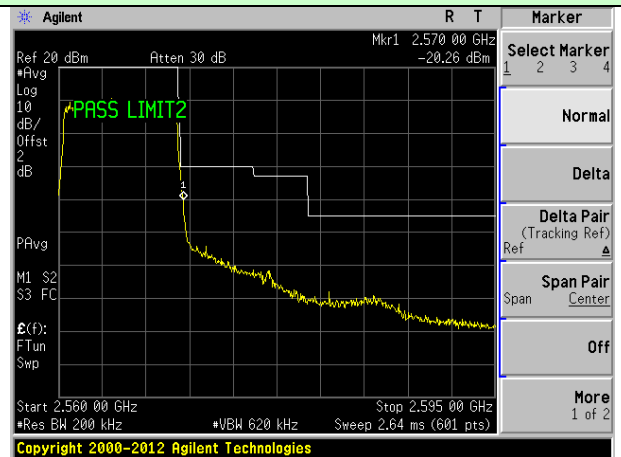
Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



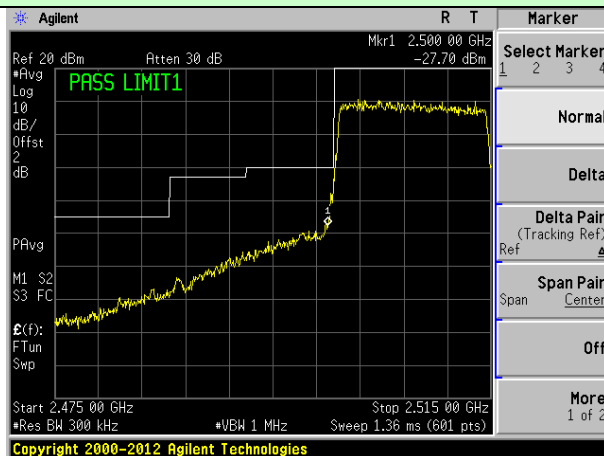
Lowest channel

10MHz Bandwidth (RB size:1# RB offset:49#)



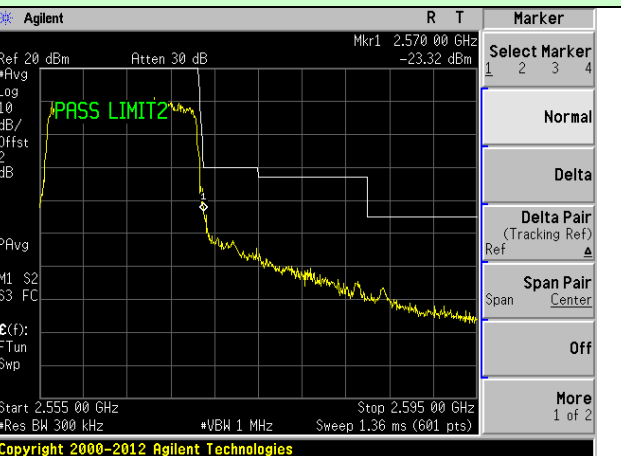
Highest channel

15MHz Bandwidth (RB size:1# RB offset:0#)

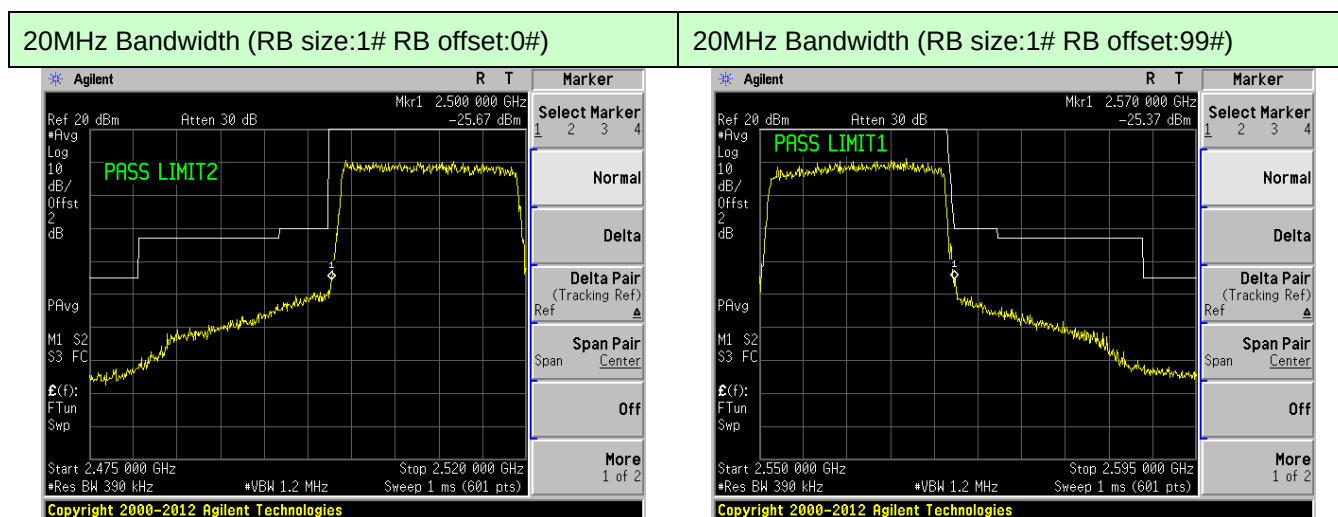


Lowest channel

15MHz Bandwidth (RB size:1# RB offset:74#)



Highest channel

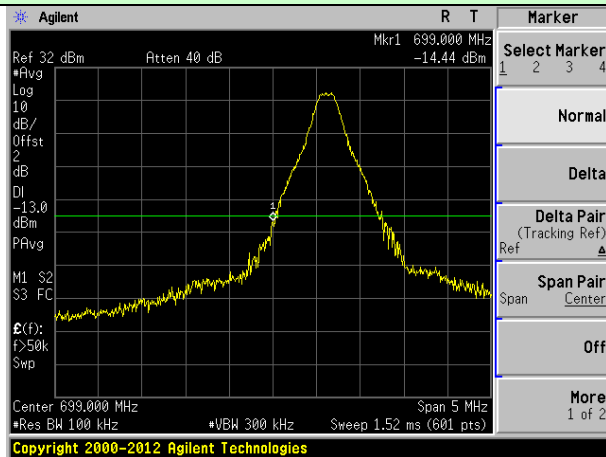


Lowest channel

Highest channel

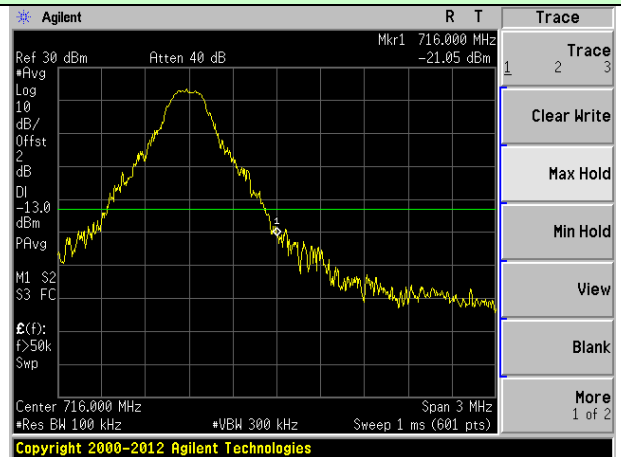
LTE Band 12 (16QAM mode):

1.4MHz Bandwidth (RB size:1# RB offset:0#)



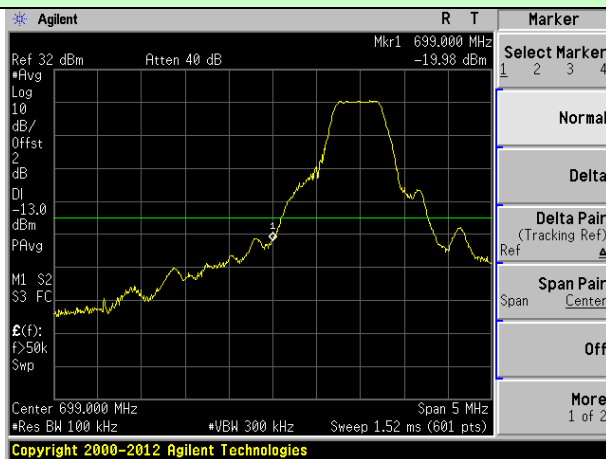
Lowest channel

1.4MHz Bandwidth (RB size:1# RB offset:5#)



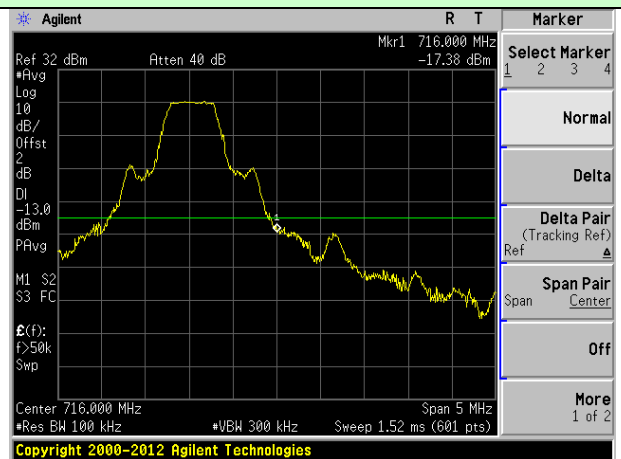
Highest channel

1.4MHz Bandwidth (RB size:3# RB offset:0#)



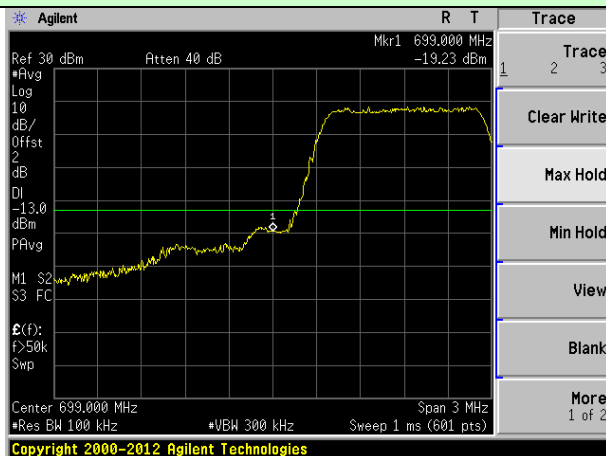
Lowest channel

1.4MHz Bandwidth (RB size:3# RB offset:2#)



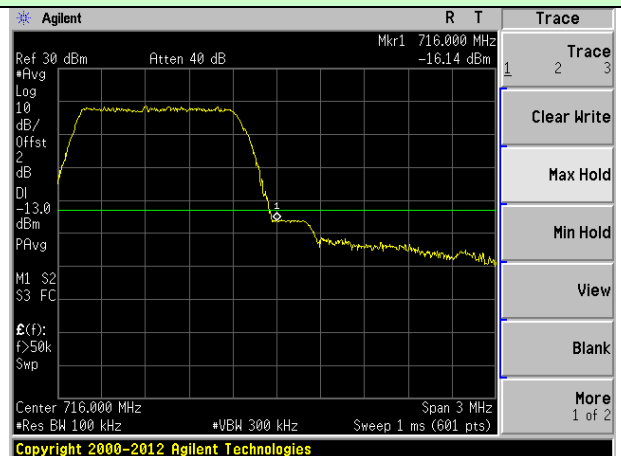
Highest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)

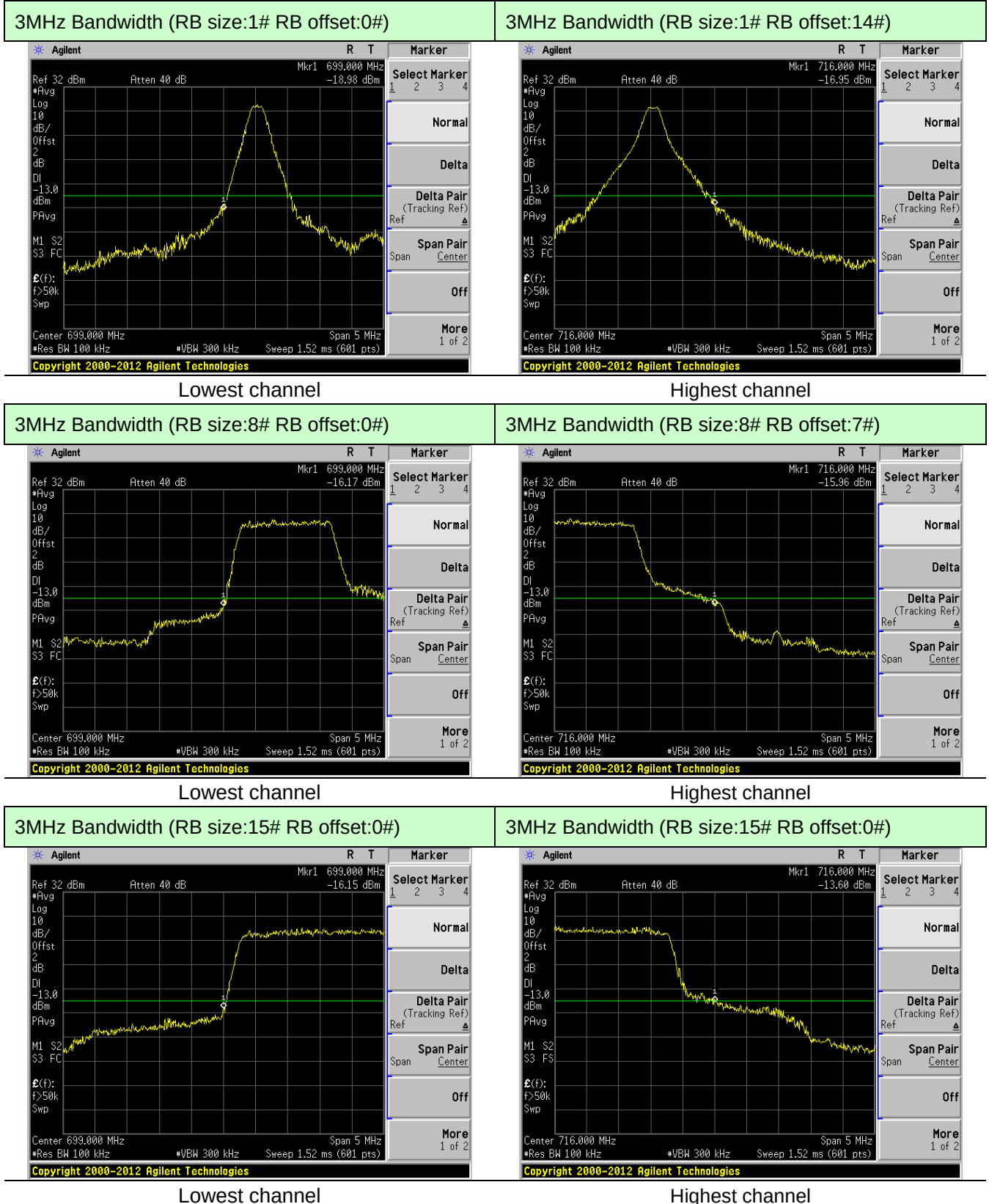


Lowest channel

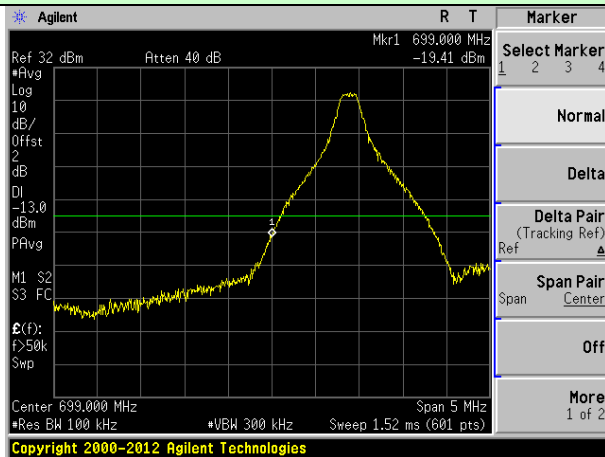
1.4MHz Bandwidth (RB size:6# RB offset:0#)



Highest channel

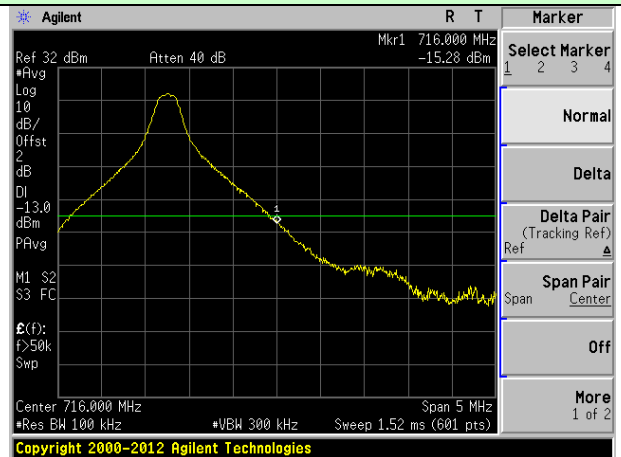


5MHz Bandwidth (RB size:1# RB offset:0#)



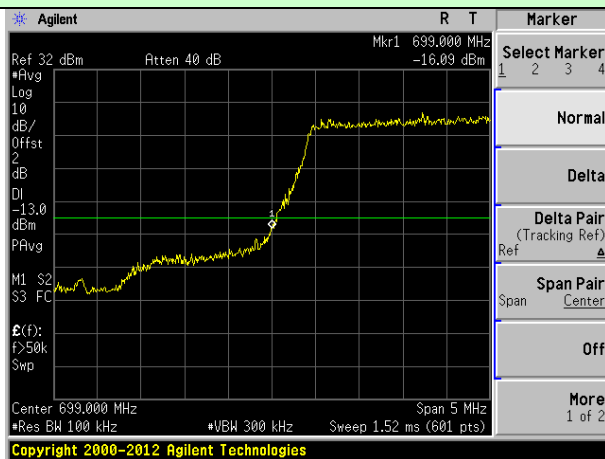
Lowest channel

5MHz Bandwidth (RB size:1# RB offset:24#)



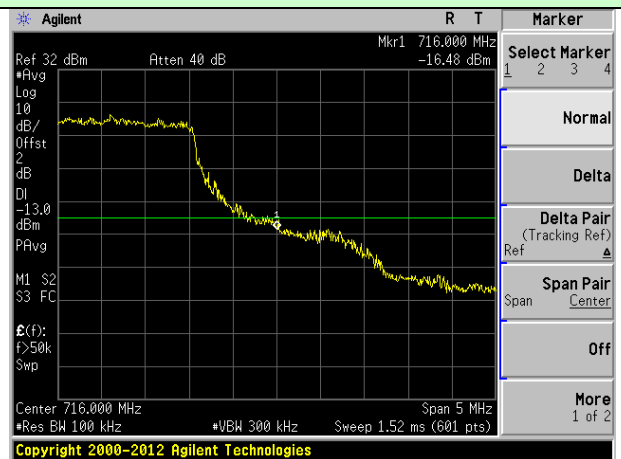
Highest channel

5MHz Bandwidth (RB size:12# RB offset:0#)



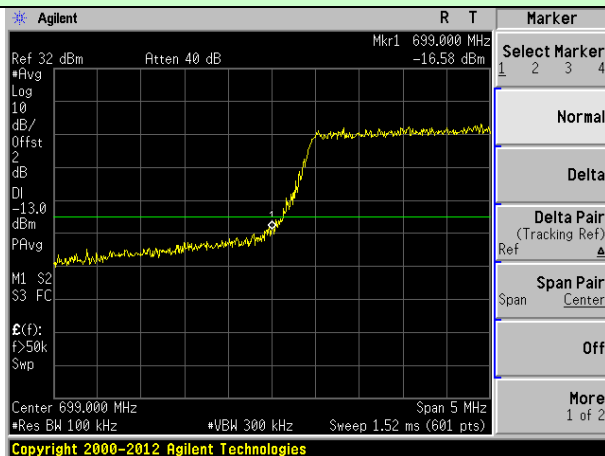
Lowest channel

5MHz Bandwidth (RB size:12# RB offset:13#)



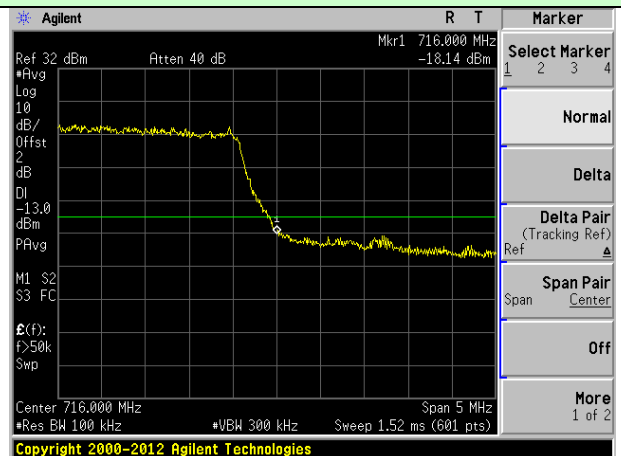
Highest channel

5MHz Bandwidth (RB size:25# RB offset:0#)



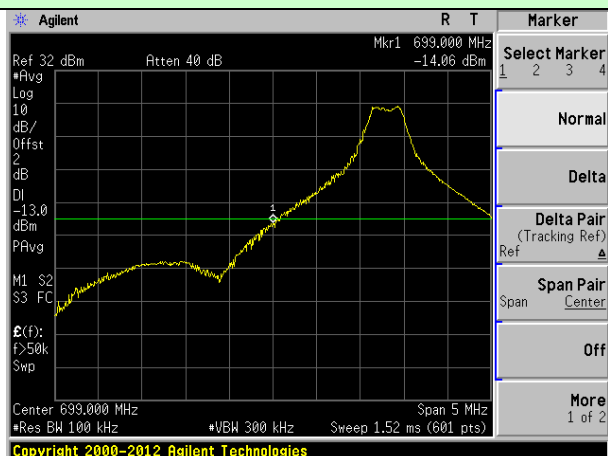
Lowest channel

5MHz Bandwidth (RB size:25# RB offset:0#)



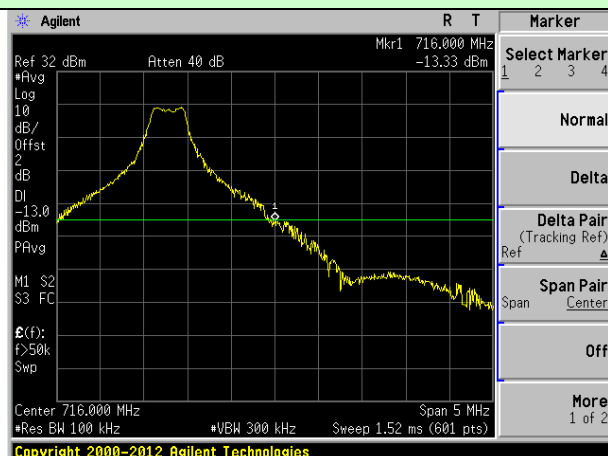
Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



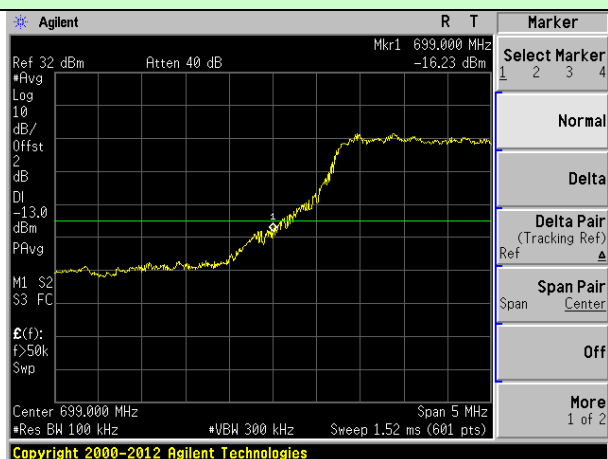
Lowest channel

10MHz Bandwidth (RB size:1# RB offset:49#)



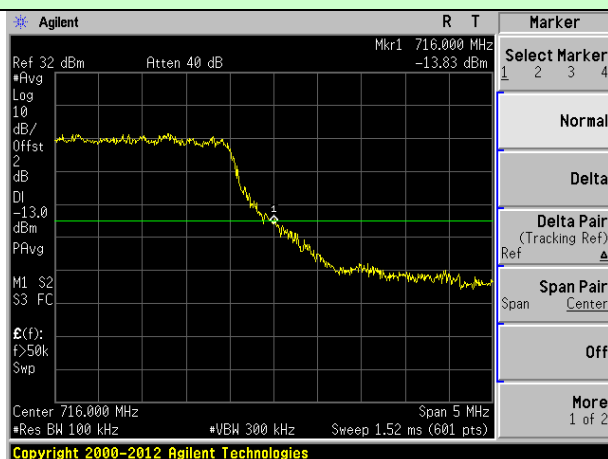
Highest channel

10MHz Bandwidth (RB size:25# RB offset:0#)



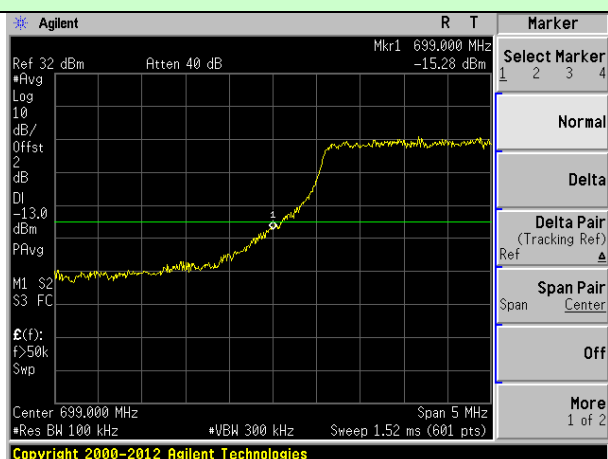
Lowest channel

10MHz Bandwidth (RB size:25# RB offset:25#)



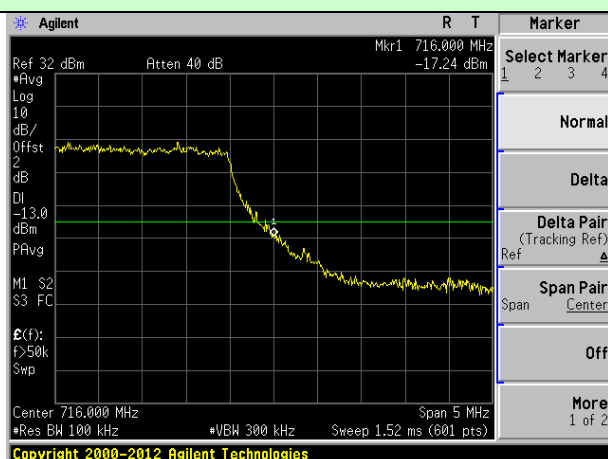
Highest channel

10MHz Bandwidth (RB size:50# RB offset:0#)



Lowest channel

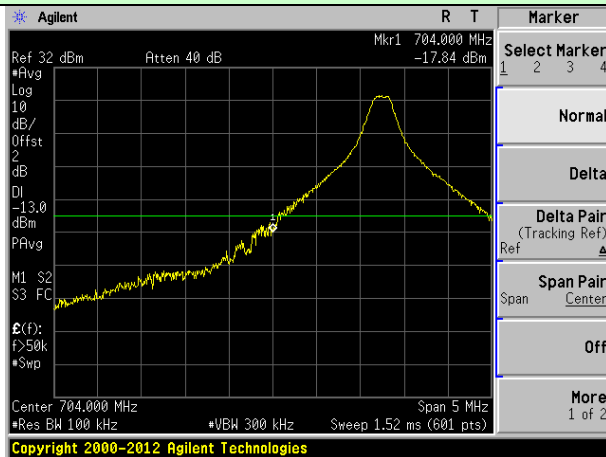
10MHz Bandwidth (RB size:50# RB offset:0#)



Highest channel

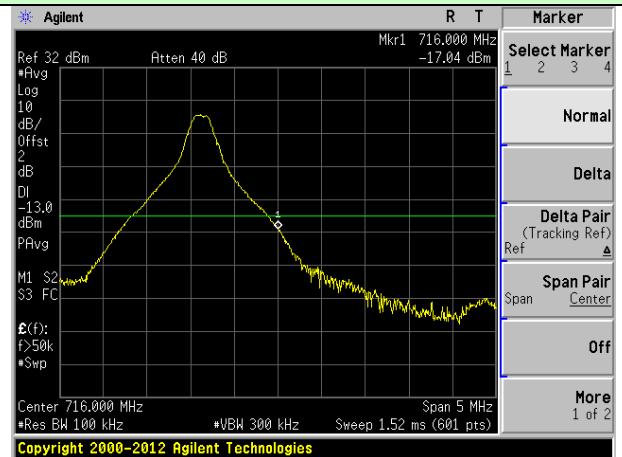
LTE Band 17 (16QAM mode):

5MHz Bandwidth (RB size:1# RB offset:0#)



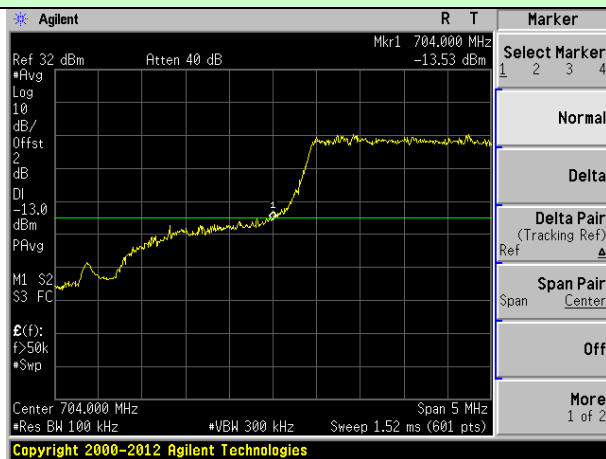
Lowest channel

5MHz Bandwidth (RB size:1# RB offset:24#)



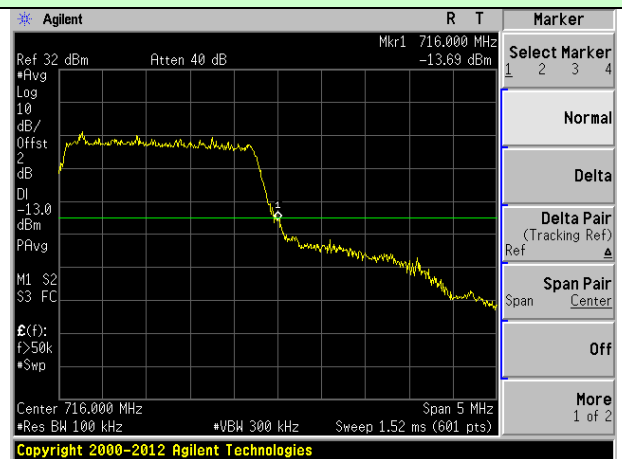
Highest channel

5MHz Bandwidth (RB size:12# RB offset:0#)



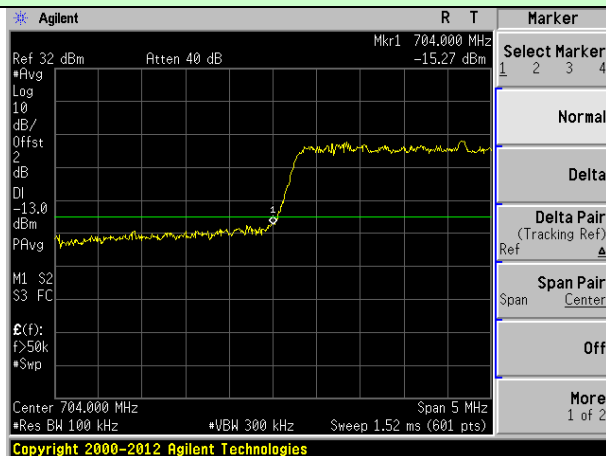
Lowest channel

5MHz Bandwidth (RB size:12# RB offset:13#)



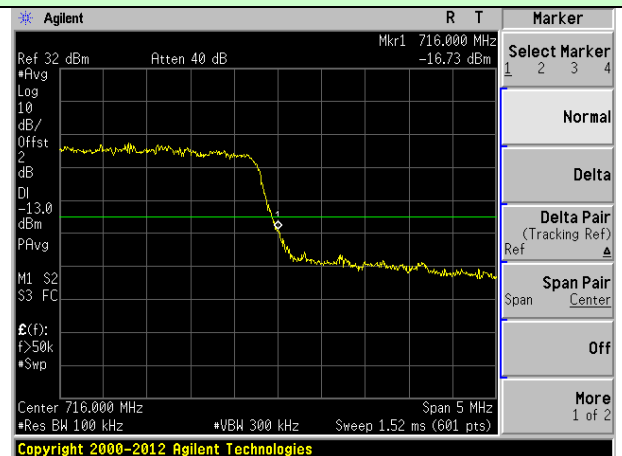
Highest channel

5MHz Bandwidth (RB size:25# RB offset:0#)



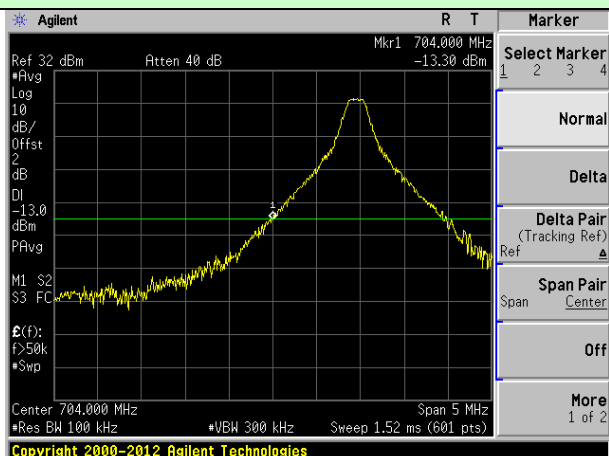
Lowest channel

5MHz Bandwidth (RB size:25# RB offset:0#)



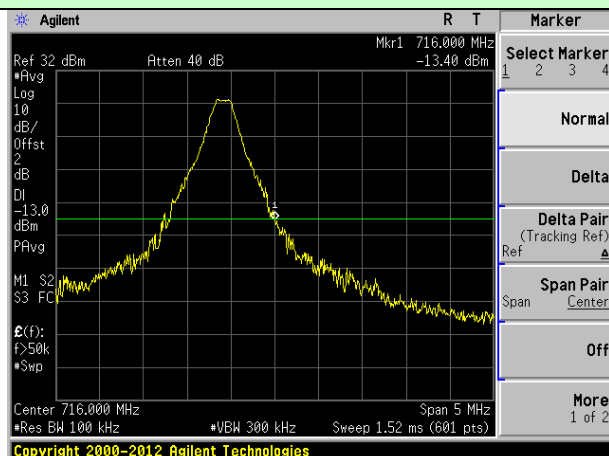
Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



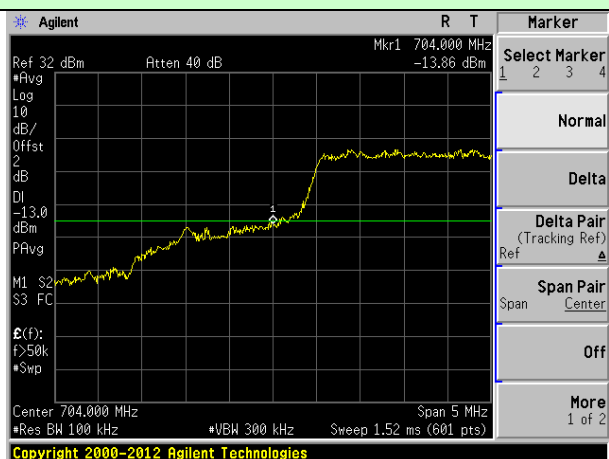
Middle channel

10MHz Bandwidth (RB size:1# RB offset:49#)



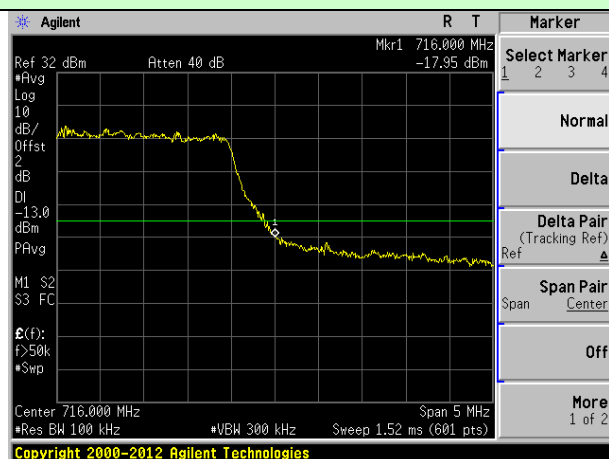
Middle channel

10MHz Bandwidth (RB size:25# RB offset:0#)



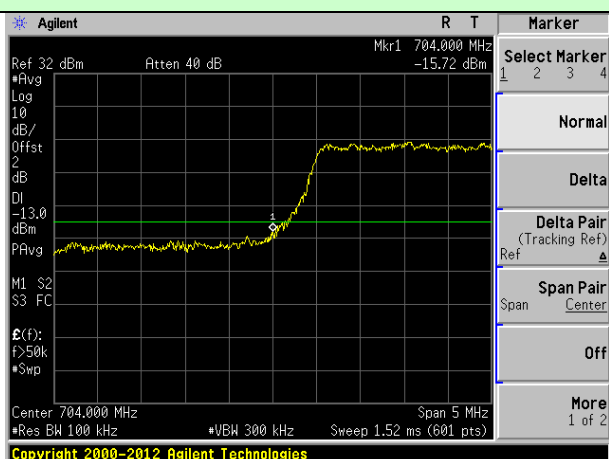
Middle channel

10MHz Bandwidth (RB size:25# RB offset:25#)



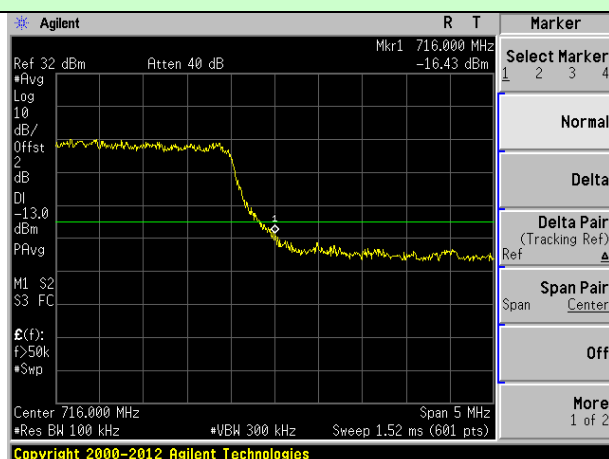
Middle channel

10MHz Bandwidth (RB size:50# RB offset:0#)



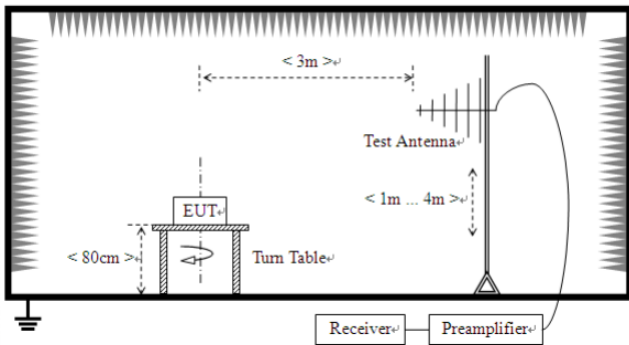
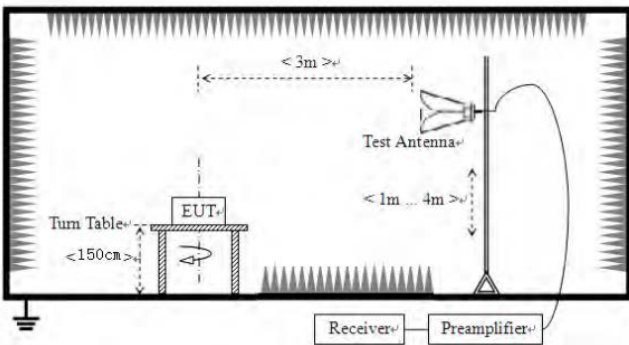
Middle channel

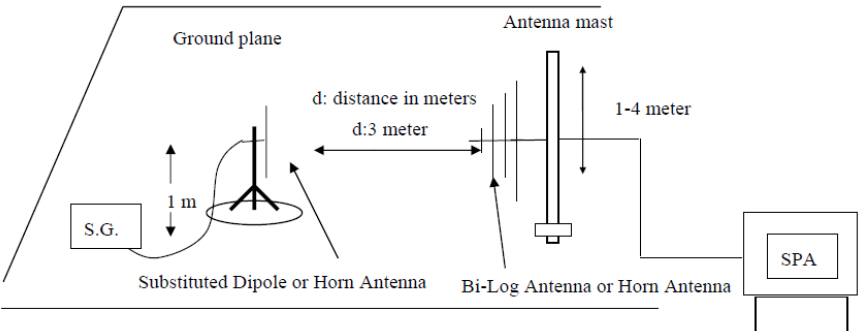
10MHz Bandwidth (RB size:50# RB offset:0#)



Middle channel

## 7.8 ERP, EIRP Measurement

|                   |                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC part 22.913(a), Part 24.238 (a); Part 27.50(c)(10)/(d)(4)                                                                                                                                                                           |
| Test Method:      | FCC part 2.1046 and ANSI C63.26:2015                                                                                                                                                                                                    |
| Limit:            | LTE Band 2: 2W (EIRP)<br>LTE Band 4: 1W (EIRP)<br>LTE Band 5: 7W (ERP)<br>LTE Band 7: 2W (EIRP)<br>LTE Band 12: 3W (ERP)<br>LTE Band 17: 3W (ERP)                                                                                       |
| Test setup:       | <p>Below 1GHz</p>  <p>Above 1GHz</p>  <p>Substituted method:</p> |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |  <p>The diagram illustrates the test setup. A ground plane is shown on the left. A substituted dipole or horn antenna is positioned at a height of 1 m from the ground plane. A Bi-Log Antenna or Horn Antenna is positioned at a distance d of 3 meters from the substituted antenna. The antenna mast is positioned at a height of 1-4 meters. The S.G. (Substituted Gain) and SPA (Spectrum Analyzer) are also indicated.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Test Procedure:   | <ol style="list-style-type: none"> <li>1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.</li> <li>2. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.</li> <li>3. ERP in frequency band 777–787MHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:<br/> <math display="block">\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}</math> </li> <li>4. EIRP in frequency band 1710–1755MHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:<br/> <math display="block">\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}</math> </li> </ol> |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test mode:        | Refer to section 7.1 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Measurement Data

Modulation Mode: QPSK Mode

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(1.4MHz) | Lowest  | H        | V            | 22.29    | 33.00       | Pass   |
|                    |         |          | H            | 20.21    |             |        |
|                    |         | E1       | V            | 21.89    |             |        |
|                    |         |          | H            | 19.47    |             |        |
|                    |         | E2       | V            | 21.04    |             |        |
|                    |         |          | H            | 18.17    |             |        |
|                    | Middle  | H        | V            | 22.16    | 33.00       | Pass   |
|                    |         |          | H            | 19.40    |             |        |
|                    |         | E1       | V            | 21.60    |             |        |
|                    |         |          | H            | 19.10    |             |        |
|                    |         | E2       | V            | 21.50    |             |        |
|                    |         |          | H            | 18.34    |             |        |
|                    | Highest | H        | V            | 21.91    | 33.00       | Pass   |
|                    |         |          | H            | 19.59    |             |        |
|                    |         | E1       | V            | 21.62    |             |        |
|                    |         |          | H            | 19.26    |             |        |
|                    |         | E2       | V            | 21.46    |             |        |
|                    |         |          | H            | 18.85    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(3MHz) | Lowest  | H        | V            | 22.45    | 33.00       | Pass   |
|                  |         |          | H            | 20.39    |             |        |
|                  |         | E1       | V            | 22.10    |             |        |
|                  |         |          | H            | 19.69    |             |        |
|                  |         | E2       | V            | 21.28    |             |        |
|                  |         |          | H            | 18.44    |             |        |
|                  | Middle  | H        | V            | 22.40    | 33.00       | Pass   |
|                  |         |          | H            | 19.68    |             |        |
|                  |         | E1       | V            | 21.91    |             |        |
|                  |         |          | H            | 19.43    |             |        |
|                  |         | E2       | V            | 21.77    |             |        |
|                  |         |          | H            | 18.64    |             |        |
|                  | Highest | H        | V            | 22.14    | 33.00       | Pass   |
|                  |         |          | H            | 19.84    |             |        |
|                  |         | E1       | V            | 21.89    |             |        |
|                  |         |          | H            | 19.55    |             |        |
|                  |         | E2       | V            | 21.66    |             |        |
|                  |         |          | H            | 19.07    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(5MHz) | Lowest  | H        | V            | 22.57    | 33.00       | Pass   |
|                  |         |          | H            | 20.53    |             |        |
|                  |         | E1       | V            | 22.25    |             |        |
|                  |         |          | H            | 19.86    |             |        |
|                  |         | E2       | V            | 21.47    |             |        |
|                  |         |          | H            | 18.64    |             |        |
|                  | Middle  | H        | V            | 22.58    | 33.00       | Pass   |
|                  |         |          | H            | 19.89    |             |        |
|                  |         | E1       | V            | 22.14    |             |        |
|                  |         |          | H            | 19.68    |             |        |
|                  |         | E2       | V            | 21.98    |             |        |
|                  |         |          | H            | 18.86    |             |        |
|                  | Highest | H        | V            | 22.32    | 33.00       | Pass   |
|                  |         |          | H            | 20.03    |             |        |
|                  |         | E1       | V            | 22.10    |             |        |
|                  |         |          | H            | 19.78    |             |        |
|                  |         | E2       | V            | 21.81    |             |        |
|                  |         |          | H            | 19.23    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(10MHz) | Lowest  | H        | V            | 22.66    | 33.00       | Pass   |
|                   |         |          | H            | 20.64    |             |        |
|                   |         | E1       | V            | 22.37    |             |        |
|                   |         |          | H            | 19.99    |             |        |
|                   |         | E2       | V            | 21.61    |             |        |
|                   |         |          | H            | 18.79    |             |        |
|                   | Middle  | H        | V            | 22.71    | 33.00       | Pass   |
|                   |         |          | H            | 20.05    |             |        |
|                   |         | E1       | V            | 22.32    |             |        |
|                   |         |          | H            | 19.87    |             |        |
|                   |         | E2       | V            | 22.14    |             |        |
|                   |         |          | H            | 19.04    |             |        |
|                   | Highest | H        | V            | 22.45    | 33.00       | Pass   |
|                   |         |          | H            | 20.17    |             |        |
|                   |         | E1       | V            | 22.25    |             |        |
|                   |         |          | H            | 19.95    |             |        |
|                   |         | E2       | V            | 21.93    |             |        |
|                   |         |          | H            | 19.36    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(15MHz) | Lowest  | H        | V            | 22.74    | 33.00       | Pass   |
|                   |         |          | H            | 20.72    |             |        |
|                   |         | E1       | V            | 22.46    |             |        |
|                   |         |          | H            | 20.09    |             |        |
|                   |         | E2       | V            | 21.72    |             |        |
|                   |         |          | H            | 18.91    |             |        |
|                   | Middle  | H        | V            | 22.81    | 33.00       | Pass   |
|                   |         |          | H            | 20.18    |             |        |
|                   |         | E1       | V            | 22.45    |             |        |
|                   |         |          | H            | 20.01    |             |        |
|                   |         | E2       | V            | 22.27    |             |        |
|                   |         |          | H            | 19.17    |             |        |
|                   | Highest | H        | V            | 22.55    | 33.00       | Pass   |
|                   |         |          | H            | 20.28    |             |        |
|                   |         | E1       | V            | 22.37    |             |        |
|                   |         |          | H            | 20.07    |             |        |
|                   |         | E2       | V            | 22.01    |             |        |
|                   |         |          | H            | 19.46    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(20MHz) | Lowest  | H        | V            | 22.79    | 33.00       | Pass   |
|                   |         |          | H            | 20.78    |             |        |
|                   |         | E1       | V            | 22.53    |             |        |
|                   |         |          | H            | 20.16    |             |        |
|                   |         | E2       | V            | 21.80    |             |        |
|                   |         |          | H            | 19.00    |             |        |
|                   | Middle  | H        | V            | 22.89    | 33.00       | Pass   |
|                   |         |          | H            | 20.27    |             |        |
|                   |         | E1       | V            | 22.55    |             |        |
|                   |         |          | H            | 20.12    |             |        |
|                   |         | E2       | V            | 22.36    |             |        |
|                   |         |          | H            | 19.27    |             |        |
|                   | Highest | H        | V            | 22.63    | 33.00       | Pass   |
|                   |         |          | H            | 20.37    |             |        |
|                   |         | E1       | V            | 22.46    |             |        |
|                   |         |          | H            | 20.17    |             |        |
|                   |         | E2       | V            | 22.08    |             |        |
|                   |         |          | H            | 19.53    |             |        |

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|----------|-------------|--------|
| Band 4<br>(1.4MHz) | Lowest  | H        | V            | 22.68    | 30.00       | Pass   |
|                    |         |          | H            | 20.69    |             |        |
|                    |         | E1       | V            | 22.52    |             |        |
|                    |         |          | H            | 20.16    |             |        |
|                    |         | E2       | V            | 21.80    |             |        |
|                    |         |          | H            | 18.99    |             |        |
|                    | Middle  | H        | V            | 22.89    | 30.00       | Pass   |
|                    |         |          | H            | 20.27    |             |        |
|                    |         | E1       | V            | 22.55    |             |        |
|                    |         |          | H            | 20.12    |             |        |
|                    |         | E2       | V            | 22.35    |             |        |
|                    |         |          | H            | 19.26    |             |        |
|                    | Highest | H        | V            | 22.62    | 30.00       | Pass   |
|                    |         |          | H            | 20.36    |             |        |
|                    |         | E1       | V            | 22.46    |             |        |
|                    |         |          | H            | 20.17    |             |        |
|                    |         | E2       | V            | 22.08    |             |        |
|                    |         |          | H            | 19.52    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|----------|-------------|--------|
| Band 4<br>(3MHz) | Lowest  | H        | V            | 22.54    | 30.00       | Pass   |
|                  |         |          | H            | 20.50    |             |        |
|                  |         | E1       | V            | 22.21    |             |        |
|                  |         |          | H            | 19.82    |             |        |
|                  |         | E2       | V            | 21.42    |             |        |
|                  |         |          | H            | 18.59    |             |        |
|                  | Middle  | H        | V            | 22.53    | 30.00       | Pass   |
|                  |         |          | H            | 19.84    |             |        |
|                  |         | E1       | V            | 22.08    |             |        |
|                  |         |          | H            | 19.62    |             |        |
|                  |         | E2       | V            | 21.93    |             |        |
|                  |         |          | H            | 18.81    |             |        |
|                  | Highest | H        | V            | 22.27    | 30.00       | Pass   |
|                  |         |          | H            | 19.98    |             |        |
|                  |         | E1       | V            | 22.05    |             |        |
|                  |         |          | H            | 19.72    |             |        |
|                  |         | E2       | V            | 21.78    |             |        |
|                  |         |          | H            | 19.19    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|------------|-------------|--------|
| Band 4<br>(5MHz) | Lowest  | H        | V            | 22.36      | 30.00       | Pass   |
|                  |         |          | H            | 20.29      |             |        |
|                  |         | E1       | V            | 21.98      |             |        |
|                  |         |          | H            | 19.56      |             |        |
|                  |         | E2       | V            | 21.15      |             |        |
|                  |         |          | H            | 18.29      |             |        |
|                  | Middle  | H        | V            | 22.27      | 30.00       | Pass   |
|                  |         |          | H            | 19.52      |             |        |
|                  |         | E1       | V            | 21.73      |             |        |
|                  |         |          | H            | 19.25      |             |        |
|                  |         | E2       | V            | 21.62      |             |        |
|                  |         |          | H            | 18.47      |             |        |
|                  | Highest | H        | V            | 22.01      | 30.00       | Pass   |
|                  |         |          | H            | 19.70      |             |        |
|                  |         | E1       | V            | 21.74      |             |        |
|                  |         |          | H            | 19.39      |             |        |
|                  |         | E2       | V            | 21.55      |             |        |
|                  |         |          | H            | 18.94      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 4<br>(10MHz) | Lowest  | H        | V            | 22.08      | 30.00       | Pass   |
|                   |         |          | H            | 19.98      |             |        |
|                   |         | E1       | V            | 21.63      |             |        |
|                   |         |          | H            | 19.18      |             |        |
|                   |         | E2       | V            | 20.72      |             |        |
|                   |         |          | H            | 17.83      |             |        |
|                   | Middle  | H        | V            | 21.86      | 30.00       | Pass   |
|                   |         |          | H            | 19.04      |             |        |
|                   |         | E1       | V            | 21.20      |             |        |
|                   |         |          | H            | 18.68      |             |        |
|                   |         | E2       | V            | 21.14      |             |        |
|                   |         |          | H            | 17.96      |             |        |
|                   | Highest | H        | V            | 21.62      | 30.00       | Pass   |
|                   |         |          | H            | 19.27      |             |        |
|                   |         | E1       | V            | 21.27      |             |        |
|                   |         |          | H            | 18.89      |             |        |
|                   |         | E2       | V            | 21.21      |             |        |
|                   |         |          | H            | 18.57      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 4<br>(15MHz) | Lowest  | H        | V            | 21.99      | 30.00       | Pass   |
|                   |         |          | H            | 19.87      |             |        |
|                   |         | E1       | V            | 21.52      |             |        |
|                   |         |          | H            | 19.05      |             |        |
|                   |         | E2       | V            | 20.58      |             |        |
|                   |         |          | H            | 17.68      |             |        |
|                   | Middle  | H        | V            | 21.73      | 30.00       | Pass   |
|                   |         |          | H            | 18.87      |             |        |
|                   |         | E1       | V            | 21.03      |             |        |
|                   |         |          | H            | 18.49      |             |        |
|                   |         | E2       | V            | 20.99      |             |        |
|                   |         |          | H            | 17.79      |             |        |
|                   | Highest | H        | V            | 21.49      | 30.00       | Pass   |
|                   |         |          | H            | 19.12      |             |        |
|                   |         | E1       | V            | 21.12      |             |        |
|                   |         |          | H            | 18.72      |             |        |
|                   |         | E2       | V            | 21.10      |             |        |
|                   |         |          | H            | 18.44      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 4<br>(20MHz) | Lowest  | H        | V            | 22.74     | 30.00       | Pass   |
|                   |         |          | H            | 20.70     |             |        |
|                   |         | E1       | V            | 22.59     |             |        |
|                   |         |          | H            | 20.16     |             |        |
|                   |         | E2       | V            | 21.92     |             |        |
|                   |         |          | H            | 19.12     |             |        |
|                   | Middle  | H        | V            | 23.01     | 30.00       | Pass   |
|                   |         |          | H            | 20.46     |             |        |
|                   |         | E1       | V            | 22.76     |             |        |
|                   |         |          | H            | 20.34     |             |        |
|                   |         | E2       | V            | 22.50     |             |        |
|                   |         |          | H            | 19.41     |             |        |
|                   | Highest | H        | V            | 22.75     | 30.00       | Pass   |
|                   |         |          | H            | 20.53     |             |        |
|                   |         | E1       | V            | 22.64     |             |        |
|                   |         |          | H            | 20.34     |             |        |
|                   |         | E2       | V            | 22.17     |             |        |
|                   |         |          | H            | 19.63     |             |        |

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|----------|-------------|--------|
| Band 5<br>(1.4MHz) | Lowest  | H        | V            | 22.47    | 38.50       | Pass   |
|                    |         |          | H            | 20.41    |             |        |
|                    |         | E1       | V            | 22.24    |             |        |
|                    |         |          | H            | 19.90    |             |        |
|                    |         | E2       | V            | 21.50    |             |        |
|                    |         |          | H            | 18.67    |             |        |
|                    | Middle  | H        | V            | 22.61    | 38.50       | Pass   |
|                    |         |          | H            | 19.93    |             |        |
|                    |         | E1       | V            | 22.13    |             |        |
|                    |         |          | H            | 19.72    |             |        |
|                    |         | E2       | V            | 22.05    |             |        |
|                    |         |          | H            | 18.94    |             |        |
|                    | Highest | H        | V            | 22.37    | 38.50       | Pass   |
|                    |         |          | H            | 20.08    |             |        |
|                    |         | E1       | V            | 22.17    |             |        |
|                    |         |          | H            | 19.77    |             |        |
|                    |         | E2       | V            | 21.76    |             |        |
|                    |         |          | H            | 19.23    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|------------|-------------|--------|
| Band 5<br>(3MHz) | Lowest  | H        | V            | 22.67      | 38.50       | Pass   |
|                  |         |          | H            | 20.57      |             |        |
|                  |         | E1       | V            | 22.47      |             |        |
|                  |         |          | H            | 20.07      |             |        |
|                  |         | E2       | V            | 21.73      |             |        |
|                  |         |          | H            | 18.93      |             |        |
|                  | Middle  | H        | V            | 22.85      | 38.50       | Pass   |
|                  |         |          | H            | 20.20      |             |        |
|                  |         | E1       | V            | 22.46      |             |        |
|                  |         |          | H            | 20.05      |             |        |
|                  |         | E2       | V            | 22.30      |             |        |
|                  |         |          | H            | 19.19      |             |        |
|                  | Highest | H        | V            | 22.57      | 38.50       | Pass   |
|                  |         |          | H            | 20.32      |             |        |
|                  |         | E1       | V            | 22.40      |             |        |
|                  |         |          | H            | 20.08      |             |        |
|                  |         | E2       | V            | 22.00      |             |        |
|                  |         |          | H            | 19.46      |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|------------|-------------|--------|
| Band 5<br>(5MHz) | Lowest  | H        | V            | 22.72      | 38.50       | Pass   |
|                  |         |          | H            | 20.68      |             |        |
|                  |         | E1       | V            | 22.46      |             |        |
|                  |         |          | H            | 20.15      |             |        |
|                  |         | E2       | V            | 21.71      |             |        |
|                  |         |          | H            | 18.95      |             |        |
|                  | Middle  | H        | V            | 22.86      | 38.50       | Pass   |
|                  |         |          | H            | 20.07      |             |        |
|                  |         | E1       | V            | 22.34      |             |        |
|                  |         |          | H            | 19.92      |             |        |
|                  |         | E2       | V            | 22.27      |             |        |
|                  |         |          | H            | 19.15      |             |        |
|                  | Highest | H        | V            | 22.55      | 38.50       | Pass   |
|                  |         |          | H            | 20.38      |             |        |
|                  |         | E1       | V            | 22.37      |             |        |
|                  |         |          | H            | 20.06      |             |        |
|                  |         | E2       | V            | 21.96      |             |        |
|                  |         |          | H            | 19.43      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 5<br>(10MHz) | Lowest  | H        | V            | 22.58      | 38.50       | Pass   |
|                   |         |          | H            | 20.20      |             |        |
|                   |         | E1       | V            | 22.39      |             |        |
|                   |         |          | H            | 20.05      |             |        |
|                   |         | E2       | V            | 21.62      |             |        |
|                   |         |          | H            | 18.81      |             |        |
|                   | Middle  | H        | V            | 22.82      | 38.50       | Pass   |
|                   |         |          | H            | 20.08      |             |        |
|                   |         | E1       | V            | 22.33      |             |        |
|                   |         |          | H            | 19.89      |             |        |
|                   |         | E2       | V            | 22.17      |             |        |
|                   |         |          | H            | 19.04      |             |        |
|                   | Highest | H        | V            | 22.46      | 38.50       | Pass   |
|                   |         |          | H            | 20.30      |             |        |
|                   |         | E1       | V            | 22.28      |             |        |
|                   |         |          | H            | 19.96      |             |        |
|                   |         | E2       | V            | 21.92      |             |        |
|                   |         |          | H            | 19.36      |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 7<br>(5MHz) | Lowest  | H        | V            | 22.79     | 33.00       | Pass   |
|                  |         |          | H            | 20.78     |             |        |
|                  |         | E1       | V            | 22.53     |             |        |
|                  |         |          | H            | 20.16     |             |        |
|                  |         | E2       | V            | 21.80     |             |        |
|                  |         |          | H            | 19.00     |             |        |
|                  | Middle  | H        | V            | 22.89     | 33.00       | Pass   |
|                  |         |          | H            | 20.27     |             |        |
|                  |         | E1       | V            | 22.56     |             |        |
|                  |         |          | H            | 20.12     |             |        |
|                  |         | E2       | V            | 22.36     |             |        |
|                  |         |          | H            | 19.27     |             |        |
|                  | Highest | H        | V            | 22.63     | 33.00       | Pass   |
|                  |         |          | H            | 20.37     |             |        |
|                  |         | E1       | V            | 22.46     |             |        |
|                  |         |          | H            | 20.17     |             |        |
|                  |         | E2       | V            | 22.08     |             |        |
|                  |         |          | H            | 19.53     |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 7<br>(10MHz) | Lowest  | H        | V            | 22.64     | 33.00       | Pass   |
|                   |         |          | H            | 20.61     |             |        |
|                   |         | E1       | V            | 22.34     |             |        |
|                   |         |          | H            | 19.96     |             |        |
|                   |         | E2       | V            | 21.58     |             |        |
|                   |         |          | H            | 18.76     |             |        |
|                   | Middle  | H        | V            | 22.68     | 33.00       | Pass   |
|                   |         |          | H            | 20.02     |             |        |
|                   |         | E1       | V            | 22.28     |             |        |
|                   |         |          | H            | 19.83     |             |        |
|                   |         | E2       | V            | 22.11     |             |        |
|                   |         |          | H            | 19.00     |             |        |
|                   | Highest | H        | V            | 22.42     | 33.00       | Pass   |
|                   |         |          | H            | 20.14     |             |        |
|                   |         | E1       | V            | 22.22     |             |        |
|                   |         |          | H            | 19.91     |             |        |
|                   |         | E2       | V            | 21.90     |             |        |
|                   |         |          | H            | 19.33     |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 7<br>(15MHz) | Lowest  | H        | V            | 22.72    | 33.00       | Pass   |
|                   |         |          | H            | 20.70    |             |        |
|                   |         | E1       | V            | 22.44    |             |        |
|                   |         |          | H            | 20.07    |             |        |
|                   |         | E2       | V            | 21.70    |             |        |
|                   |         |          | H            | 18.89    |             |        |
|                   | Middle  | H        | V            | 22.80    | 33.00       | Pass   |
|                   |         |          | H            | 20.16    |             |        |
|                   |         | E1       | V            | 22.43    |             |        |
|                   |         |          | H            | 19.99    |             |        |
|                   |         | E2       | V            | 22.25    |             |        |
|                   |         |          | H            | 19.15    |             |        |
|                   | Highest | H        | V            | 22.54    | 33.00       | Pass   |
|                   |         |          | H            | 20.26    |             |        |
|                   |         | E1       | V            | 22.35    |             |        |
|                   |         |          | H            | 20.05    |             |        |
|                   |         | E2       | V            | 22.00    |             |        |
|                   |         |          | H            | 19.44    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 7<br>(20MHz) | Lowest  | H        | V            | 22.77    | 33.00       | Pass   |
|                   |         |          | H            | 20.76    |             |        |
|                   |         | E1       | V            | 22.50    |             |        |
|                   |         |          | H            | 20.14    |             |        |
|                   |         | E2       | V            | 21.77    |             |        |
|                   |         |          | H            | 18.97    |             |        |
|                   | Middle  | H        | V            | 22.87    | 33.00       | Pass   |
|                   |         |          | H            | 20.24    |             |        |
|                   |         | E1       | V            | 22.52    |             |        |
|                   |         |          | H            | 20.09    |             |        |
|                   |         | E2       | V            | 22.33    |             |        |
|                   |         |          | H            | 19.23    |             |        |
|                   | Highest | H        | V            | 22.60    | 33.00       | Pass   |
|                   |         |          | H            | 20.34    |             |        |
|                   |         | E1       | V            | 22.43    |             |        |
|                   |         |          | H            | 20.14    |             |        |
|                   |         | E2       | V            | 22.06    |             |        |
|                   |         |          | H            | 19.51    |             |        |

| EUT mode            | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|---------------------|---------|----------|--------------|----------|-------------|--------|
| Band 12<br>(1.4MHz) | Lowest  | H        | V            | 22.49    | 34.77       | Pass   |
|                     |         |          | H            | 20.44    |             |        |
|                     |         | E1       | V            | 22.15    |             |        |
|                     |         |          | H            | 19.75    |             |        |
|                     |         | E2       | V            | 21.35    |             |        |
|                     |         |          | H            | 18.51    |             |        |
|                     | Middle  | H        | V            | 22.46    | 34.77       | Pass   |
|                     |         |          | H            | 19.75    |             |        |
|                     |         | E1       | V            | 21.98    |             |        |
|                     |         |          | H            | 19.51    |             |        |
|                     |         | E2       | V            | 21.85    |             |        |
|                     |         |          | H            | 18.72    |             |        |
|                     | Highest | H        | V            | 22.20    | 34.77       | Pass   |
|                     |         |          | H            | 19.90    |             |        |
|                     |         | E1       | V            | 21.96    |             |        |
|                     |         |          | H            | 19.63    |             |        |
|                     |         | E2       | V            | 21.71    |             |        |
|                     |         |          | H            | 19.12    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 12<br>(3MHz) | Lowest  | H        | V            | 22.50      | 34.77       | Pass   |
|                   |         |          | H            | 20.45      |             |        |
|                   |         | E1       | V            | 22.16      |             |        |
|                   |         |          | H            | 19.76      |             |        |
|                   |         | E2       | V            | 21.36      |             |        |
|                   |         |          | H            | 18.52      |             |        |
|                   | Middle  | H        | V            | 22.47      | 34.77       | Pass   |
|                   |         |          | H            | 19.76      |             |        |
|                   |         | E1       | V            | 22.00      |             |        |
|                   |         |          | H            | 19.53      |             |        |
|                   |         | E2       | V            | 21.86      |             |        |
|                   |         |          | H            | 18.73      |             |        |
|                   | Highest | H        | V            | 22.21      | 34.77       | Pass   |
|                   |         |          | H            | 19.91      |             |        |
|                   |         | E1       | V            | 21.97      |             |        |
|                   |         |          | H            | 19.64      |             |        |
|                   |         | E2       | V            | 21.72      |             |        |
|                   |         |          | H            | 19.13      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 12<br>(5MHz) | Lowest  | H        | V            | 22.45      | 34.77       | Pass   |
|                   |         |          | H            | 20.39      |             |        |
|                   |         | E1       | V            | 22.10      |             |        |
|                   |         |          | H            | 19.69      |             |        |
|                   |         | E2       | V            | 21.28      |             |        |
|                   |         |          | H            | 18.44      |             |        |
|                   | Middle  | H        | V            | 22.40      | 34.77       | Pass   |
|                   |         |          | H            | 19.68      |             |        |
|                   |         | E1       | V            | 21.91      |             |        |
|                   |         |          | H            | 19.43      |             |        |
|                   |         | E2       | V            | 21.77      |             |        |
|                   |         |          | H            | 18.64      |             |        |
|                   | Highest | H        | V            | 22.14      | 34.77       | Pass   |
|                   |         |          | H            | 19.84      |             |        |
|                   |         | E1       | V            | 21.89      |             |        |
|                   |         |          | H            | 19.55      |             |        |
|                   |         | E2       | V            | 21.66      |             |        |
|                   |         |          | H            | 19.07      |             |        |

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|------------|-------------|--------|
| Band 12<br>(10MHz) | Lowest  | H        | V            | 22.31      | 34.77       | Pass   |
|                    |         |          | H            | 20.24      |             |        |
|                    |         | E1       | V            | 21.92      |             |        |
|                    |         |          | H            | 19.50      |             |        |
|                    |         | E2       | V            | 21.07      |             |        |
|                    |         |          | H            | 18.21      |             |        |
|                    | Middle  | H        | V            | 22.20      | 34.77       | Pass   |
|                    |         |          | H            | 19.44      |             |        |
|                    |         | E1       | V            | 21.64      |             |        |
|                    |         |          | H            | 19.15      |             |        |
|                    |         | E2       | V            | 21.54      |             |        |
|                    |         |          | H            | 18.38      |             |        |
|                    | Highest | H        | V            | 21.95      | 34.77       | Pass   |
|                    |         |          | H            | 19.62      |             |        |
|                    |         | E1       | V            | 21.66      |             |        |
|                    |         |          | H            | 19.30      |             |        |
|                    |         | E2       | V            | 21.49      |             |        |
|                    |         |          | H            | 18.88      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 17<br>(5MHz) | Lowest  | H        | V            | 22.62     | 34.77       | Pass   |
|                   |         |          | H            | 20.53     |             |        |
|                   |         | E1       | V            | 22.51     |             |        |
|                   |         |          | H            | 20.03     |             |        |
|                   |         | E2       | V            | 21.84     |             |        |
|                   |         |          | H            | 19.03     |             |        |
|                   | Middle  | H        | V            | 22.94     | 34.77       | Pass   |
|                   |         |          | H            | 20.40     |             |        |
|                   |         | E1       | V            | 22.69     |             |        |
|                   |         |          | H            | 20.27     |             |        |
|                   |         | E2       | V            | 22.42     |             |        |
|                   |         |          | H            | 19.32     |             |        |
|                   | Highest | H        | V            | 22.68     | 34.77       | Pass   |
|                   |         |          | H            | 20.47     |             |        |
|                   |         | E1       | V            | 22.58     |             |        |
|                   |         |          | H            | 20.26     |             |        |
|                   |         | E2       | V            | 22.10     |             |        |
|                   |         |          | H            | 19.56     |             |        |

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 17<br>(10MHz) | Lowest  | H        | V            | 22.49     | 34.77       | Pass   |
|                    |         |          | H            | 20.37     |             |        |
|                    |         | E1       | V            | 22.42     |             |        |
|                    |         |          | H            | 19.89     |             |        |
|                    |         | E2       | V            | 21.76     |             |        |
|                    |         |          | H            | 18.94     |             |        |
|                    | Middle  | H        | V            | 22.86     | 34.77       | Pass   |
|                    |         |          | H            | 20.34     |             |        |
|                    |         | E1       | V            | 22.62     |             |        |
|                    |         |          | H            | 20.19     |             |        |
|                    |         | E2       | V            | 22.33     |             |        |
|                    |         |          | H            | 19.22     |             |        |
|                    | Highest | H        | V            | 22.61     | 34.77       | Pass   |
|                    |         |          | H            | 20.42     |             |        |
|                    |         | E1       | V            | 22.52     |             |        |
|                    |         |          | H            | 20.18     |             |        |
|                    |         | E2       | V            | 22.03     |             |        |
|                    |         |          | H            | 19.48     |             |        |

**Modulation Mode: 16QAM Mode**

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(1.4MHz) | Lowest  | H        | V            | 22.00    | 33.00       | Pass   |
|                    |         |          | H            | 19.95    |             |        |
|                    |         | E1       | V            | 21.61    |             |        |
|                    |         |          | H            | 19.22    |             |        |
|                    |         | E2       | V            | 20.77    |             |        |
|                    |         |          | H            | 17.93    |             |        |
|                    | Middle  | H        | V            | 21.87    | 33.00       | Pass   |
|                    |         |          | H            | 19.15    |             |        |
|                    |         | E1       | V            | 21.32    |             |        |
|                    |         |          | H            | 18.85    |             |        |
|                    |         | E2       | V            | 21.22    |             |        |
|                    |         |          | H            | 18.10    |             |        |
|                    | Highest | H        | V            | 21.63    | 33.00       | Pass   |
|                    |         |          | H            | 19.34    |             |        |
|                    |         | E1       | V            | 21.34    |             |        |
|                    |         |          | H            | 19.01    |             |        |
|                    |         | E2       | V            | 21.18    |             |        |
|                    |         |          | H            | 18.60    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(3MHz) | Lowest  | H        | V            | 22.34    | 33.00       | Pass   |
|                  |         |          | H            | 20.29    |             |        |
|                  |         | E1       | V            | 21.99    |             |        |
|                  |         |          | H            | 19.59    |             |        |
|                  |         | E2       | V            | 21.17    |             |        |
|                  |         |          | H            | 18.35    |             |        |
|                  | Middle  | H        | V            | 22.29    | 33.00       | Pass   |
|                  |         |          | H            | 19.58    |             |        |
|                  |         | E1       | V            | 21.80    |             |        |
|                  |         |          | H            | 19.33    |             |        |
|                  |         | E2       | V            | 21.66    |             |        |
|                  |         |          | H            | 18.55    |             |        |
|                  | Highest | H        | V            | 22.03    | 33.00       | Pass   |
|                  |         |          | H            | 19.74    |             |        |
|                  |         | E1       | V            | 21.78    |             |        |
|                  |         |          | H            | 19.45    |             |        |
|                  |         | E2       | V            | 21.55    |             |        |
|                  |         |          | H            | 18.97    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(5MHz) | Lowest  | H        | V            | 22.37    | 33.00       | Pass   |
|                  |         |          | H            | 20.35    |             |        |
|                  |         | E1       | V            | 22.05    |             |        |
|                  |         |          | H            | 19.68    |             |        |
|                  |         | E2       | V            | 21.28    |             |        |
|                  |         |          | H            | 18.47    |             |        |
|                  | Middle  | H        | V            | 22.38    | 33.00       | Pass   |
|                  |         |          | H            | 19.71    |             |        |
|                  |         | E1       | V            | 21.94    |             |        |
|                  |         |          | H            | 19.50    |             |        |
|                  |         | E2       | V            | 21.78    |             |        |
|                  |         |          | H            | 18.69    |             |        |
|                  | Highest | H        | V            | 22.12    | 33.00       | Pass   |
|                  |         |          | H            | 19.85    |             |        |
|                  |         | E1       | V            | 21.90    |             |        |
|                  |         |          | H            | 19.60    |             |        |
|                  |         | E2       | V            | 21.61    |             |        |
|                  |         |          | H            | 19.06    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(10MHz) | Lowest  | H        | V            | 22.59    | 33.00       | Pass   |
|                   |         |          | H            | 20.58    |             |        |
|                   |         | E1       | V            | 22.30    |             |        |
|                   |         |          | H            | 19.93    |             |        |
|                   |         | E2       | V            | 21.55    |             |        |
|                   |         |          | H            | 18.73    |             |        |
|                   | Middle  | H        | V            | 22.64    | 33.00       | Pass   |
|                   |         |          | H            | 19.99    |             |        |
|                   |         | E1       | V            | 22.25    |             |        |
|                   |         |          | H            | 19.81    |             |        |
|                   |         | E2       | V            | 22.07    |             |        |
|                   |         |          | H            | 18.98    |             |        |
|                   | Highest | H        | V            | 22.38    | 33.00       | Pass   |
|                   |         |          | H            | 20.11    |             |        |
|                   |         | E1       | V            | 22.18    |             |        |
|                   |         |          | H            | 19.89    |             |        |
|                   |         | E2       | V            | 21.86    |             |        |
|                   |         |          | H            | 19.30    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(15MHz) | Lowest  | H        | V            | 22.49    | 33.00       | Pass   |
|                   |         |          | H            | 20.49    |             |        |
|                   |         | E1       | V            | 22.21    |             |        |
|                   |         |          | H            | 19.87    |             |        |
|                   |         | E2       | V            | 21.48    |             |        |
|                   |         |          | H            | 18.70    |             |        |
|                   | Middle  | H        | V            | 22.56    | 33.00       | Pass   |
|                   |         |          | H            | 19.96    |             |        |
|                   |         | E1       | V            | 22.20    |             |        |
|                   |         |          | H            | 19.79    |             |        |
|                   |         | E2       | V            | 22.03    |             |        |
|                   |         |          | H            | 18.96    |             |        |
|                   | Highest | H        | V            | 22.30    | 33.00       | Pass   |
|                   |         |          | H            | 20.06    |             |        |
|                   |         | E1       | V            | 22.12    |             |        |
|                   |         |          | H            | 19.85    |             |        |
|                   |         | E2       | V            | 21.77    |             |        |
|                   |         |          | H            | 19.25    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 2<br>(20MHz) | Lowest  | H        | V            | 22.49    | 33.00       | Pass   |
|                   |         |          | H            | 20.51    |             |        |
|                   |         | E1       | V            | 22.24    |             |        |
|                   |         |          | H            | 19.90    |             |        |
|                   |         | E2       | V            | 21.52    |             |        |
|                   |         |          | H            | 18.75    |             |        |
|                   | Middle  | H        | V            | 22.59    | 33.00       | Pass   |
|                   |         |          | H            | 20.01    |             |        |
|                   |         | E1       | V            | 22.26    |             |        |
|                   |         |          | H            | 19.86    |             |        |
|                   |         | E2       | V            | 22.07    |             |        |
|                   |         |          | H            | 19.02    |             |        |
|                   | Highest | H        | V            | 22.34    | 33.00       | Pass   |
|                   |         |          | H            | 20.11    |             |        |
|                   |         | E1       | V            | 22.17    |             |        |
|                   |         |          | H            | 19.91    |             |        |
|                   |         | E2       | V            | 21.79    |             |        |
|                   |         |          | H            | 19.28    |             |        |

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|----------|-------------|--------|
| Band 4<br>(1.4MHz) | Lowest  | H        | V            | 22.25    | 30.00       | Pass   |
|                    |         |          | H            | 20.30    |             |        |
|                    |         | E1       | V            | 22.09    |             |        |
|                    |         |          | H            | 19.78    |             |        |
|                    |         | E2       | V            | 21.39    |             |        |
|                    |         |          | H            | 18.63    |             |        |
|                    | Middle  | H        | V            | 22.46    | 30.00       | Pass   |
|                    |         |          | H            | 19.88    |             |        |
|                    |         | E1       | V            | 22.12    |             |        |
|                    |         |          | H            | 19.74    |             |        |
|                    |         | E2       | V            | 21.93    |             |        |
|                    |         |          | H            | 18.89    |             |        |
|                    | Highest | H        | V            | 22.19    | 30.00       | Pass   |
|                    |         |          | H            | 19.97    |             |        |
|                    |         | E1       | V            | 22.03    |             |        |
|                    |         |          | H            | 19.79    |             |        |
|                    |         | E2       | V            | 21.66    |             |        |
|                    |         |          | H            | 19.15    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|----------|-------------|--------|
| Band 4<br>(3MHz) | Lowest  | H        | V            | 22.25    | 30.00       | Pass   |
|                  |         |          | H            | 20.23    |             |        |
|                  |         | E1       | V            | 21.92    |             |        |
|                  |         |          | H            | 19.56    |             |        |
|                  |         | E2       | V            | 21.14    |             |        |
|                  |         |          | H            | 18.35    |             |        |
|                  | Middle  | H        | V            | 22.24    | 30.00       | Pass   |
|                  |         |          | H            | 19.58    |             |        |
|                  |         | E1       | V            | 21.79    |             |        |
|                  |         |          | H            | 19.36    |             |        |
|                  |         | E2       | V            | 21.64    |             |        |
|                  |         |          | H            | 18.57    |             |        |
|                  | Highest | H        | V            | 21.98    | 30.00       | Pass   |
|                  |         |          | H            | 19.72    |             |        |
|                  |         | E1       | V            | 21.76    |             |        |
|                  |         |          | H            | 19.46    |             |        |
|                  |         | E2       | V            | 21.50    |             |        |
|                  |         |          | H            | 18.94    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|------------|-------------|--------|
| Band 4<br>(5MHz) | Lowest  | H        | V            | 22.20      | 30.00       | Pass   |
|                  |         |          | H            | 20.15      |             |        |
|                  |         | E1       | V            | 21.83      |             |        |
|                  |         |          | H            | 19.42      |             |        |
|                  |         | E2       | V            | 21.00      |             |        |
|                  |         |          | H            | 18.16      |             |        |
|                  | Middle  | H        | V            | 22.11      | 30.00       | Pass   |
|                  |         |          | H            | 19.38      |             |        |
|                  |         | E1       | V            | 21.58      |             |        |
|                  |         |          | H            | 19.12      |             |        |
|                  |         | E2       | V            | 21.47      |             |        |
|                  |         |          | H            | 18.34      |             |        |
|                  | Highest | H        | V            | 21.86      | 30.00       | Pass   |
|                  |         |          | H            | 19.56      |             |        |
|                  |         | E1       | V            | 21.59      |             |        |
|                  |         |          | H            | 19.25      |             |        |
|                  |         | E2       | V            | 21.40      |             |        |
|                  |         |          | H            | 18.81      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 4<br>(10MHz) | Lowest  | H        | V            | 21.97      | 30.00       | Pass   |
|                   |         |          | H            | 19.88      |             |        |
|                   |         | E1       | V            | 21.52      |             |        |
|                   |         |          | H            | 19.08      |             |        |
|                   |         | E2       | V            | 20.62      |             |        |
|                   |         |          | H            | 17.74      |             |        |
|                   | Middle  | H        | V            | 21.75      | 30.00       | Pass   |
|                   |         |          | H            | 18.94      |             |        |
|                   |         | E1       | V            | 21.09      |             |        |
|                   |         |          | H            | 18.59      |             |        |
|                   |         | E2       | V            | 21.03      |             |        |
|                   |         |          | H            | 17.87      |             |        |
|                   | Highest | H        | V            | 21.51      | 30.00       | Pass   |
|                   |         |          | H            | 19.17      |             |        |
|                   |         | E1       | V            | 21.16      |             |        |
|                   |         |          | H            | 18.80      |             |        |
|                   |         | E2       | V            | 21.10      |             |        |
|                   |         |          | H            | 18.48      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 4<br>(15MHz) | Lowest  | H        | V            | 22.72      | 30.00       | Pass   |
|                   |         |          | H            | 20.72      |             |        |
|                   |         | E1       | V            | 22.46      |             |        |
|                   |         |          | H            | 20.10      |             |        |
|                   |         | E2       | V            | 21.73      |             |        |
|                   |         |          | H            | 18.94      |             |        |
|                   | Middle  | H        | V            | 22.82      | 30.00       | Pass   |
|                   |         |          | H            | 20.21      |             |        |
|                   |         | E1       | V            | 22.49      |             |        |
|                   |         |          | H            | 20.06      |             |        |
|                   |         | E2       | V            | 22.29      |             |        |
|                   |         |          | H            | 19.21      |             |        |
|                   | Highest | H        | V            | 22.56      | 30.00       | Pass   |
|                   |         |          | H            | 20.31      |             |        |
|                   |         | E1       | V            | 22.39      |             |        |
|                   |         |          | H            | 20.11      |             |        |
|                   |         | E2       | V            | 22.01      |             |        |
|                   |         |          | H            | 19.47      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 4<br>(20MHz) | Lowest  | H        | V            | 22.51     | 30.00       | Pass   |
|                   |         |          | H            | 20.50     |             |        |
|                   |         | E1       | V            | 22.37     |             |        |
|                   |         |          | H            | 19.96     |             |        |
|                   |         | E2       | V            | 21.70     |             |        |
|                   |         |          | H            | 18.93     |             |        |
|                   | Middle  | H        | V            | 22.78     | 30.00       | Pass   |
|                   |         |          | H            | 20.26     |             |        |
|                   |         | E1       | V            | 22.53     |             |        |
|                   |         |          | H            | 20.14     |             |        |
|                   |         | E2       | V            | 22.28     |             |        |
|                   |         |          | H            | 19.21     |             |        |
|                   | Highest | H        | V            | 22.52     | 30.00       | Pass   |
|                   |         |          | H            | 20.33     |             |        |
|                   |         | E1       | V            | 22.41     |             |        |
|                   |         |          | H            | 20.14     |             |        |
|                   |         | E2       | V            | 21.95     |             |        |
|                   |         |          | H            | 19.43     |             |        |

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|----------|-------------|--------|
| Band 5<br>(1.4MHz) | Lowest  | H        | V            | 22.27    | 38.50       | Pass   |
|                    |         |          | H            | 20.23    |             |        |
|                    |         | E1       | V            | 22.04    |             |        |
|                    |         |          | H            | 19.72    |             |        |
|                    |         | E2       | V            | 21.31    |             |        |
|                    |         |          | H            | 18.50    |             |        |
|                    | Middle  | H        | V            | 22.41    | 38.50       | Pass   |
|                    |         |          | H            | 19.75    |             |        |
|                    |         | E1       | V            | 21.93    |             |        |
|                    |         |          | H            | 19.54    |             |        |
|                    |         | E2       | V            | 21.85    |             |        |
|                    |         |          | H            | 18.77    |             |        |
|                    | Highest | H        | V            | 22.17    | 38.50       | Pass   |
|                    |         |          | H            | 19.90    |             |        |
|                    |         | E1       | V            | 21.97    |             |        |
|                    |         |          | H            | 19.59    |             |        |
|                    |         | E2       | V            | 21.56    |             |        |
|                    |         |          | H            | 19.06    |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|------------|-------------|--------|
| Band 5<br>(3MHz) | Lowest  | H        | V            | 22.51      | 38.50       | Pass   |
|                  |         |          | H            | 20.43      |             |        |
|                  |         | E1       | V            | 22.31      |             |        |
|                  |         |          | H            | 19.93      |             |        |
|                  |         | E2       | V            | 21.58      |             |        |
|                  |         |          | H            | 18.80      |             |        |
|                  | Middle  | H        | V            | 22.69      | 38.50       | Pass   |
|                  |         |          | H            | 20.06      |             |        |
|                  |         | E1       | V            | 22.30      |             |        |
|                  |         |          | H            | 19.91      |             |        |
|                  |         | E2       | V            | 22.14      |             |        |
|                  |         |          | H            | 19.06      |             |        |
|                  | Highest | H        | V            | 22.41      | 38.50       | Pass   |
|                  |         |          | H            | 20.18      |             |        |
|                  |         | E1       | V            | 22.24      |             |        |
|                  |         |          | H            | 19.94      |             |        |
|                  |         | E2       | V            | 21.85      |             |        |
|                  |         |          | H            | 19.32      |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|------------|-------------|--------|
| Band 5<br>(5MHz) | Lowest  | H        | V            | 22.58      | 38.50       | Pass   |
|                  |         |          | H            | 20.56      |             |        |
|                  |         | E1       | V            | 22.33      |             |        |
|                  |         |          | H            | 20.03      |             |        |
|                  |         | E2       | V            | 21.58      |             |        |
|                  |         |          | H            | 18.84      |             |        |
|                  | Middle  | H        | V            | 22.72      | 38.50       | Pass   |
|                  |         |          | H            | 19.95      |             |        |
|                  |         | E1       | V            | 22.21      |             |        |
|                  |         |          | H            | 19.80      |             |        |
|                  |         | E2       | V            | 22.14      |             |        |
|                  |         |          | H            | 19.04      |             |        |
|                  | Highest | H        | V            | 22.41      | 38.50       | Pass   |
|                  |         |          | H            | 20.26      |             |        |
|                  |         | E1       | V            | 22.24      |             |        |
|                  |         |          | H            | 19.94      |             |        |
|                  |         | E2       | V            | 21.83      |             |        |
|                  |         |          | H            | 19.31      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 5<br>(10MHz) | Lowest  | H        | V            | 22.49      | 38.50       | Pass   |
|                   |         |          | H            | 20.12      |             |        |
|                   |         | E1       | V            | 22.30      |             |        |
|                   |         |          | H            | 19.97      |             |        |
|                   |         | E2       | V            | 21.53      |             |        |
|                   |         |          | H            | 18.73      |             |        |
|                   | Middle  | H        | V            | 22.73      | 38.50       | Pass   |
|                   |         |          | H            | 20.00      |             |        |
|                   |         | E1       | V            | 22.24      |             |        |
|                   |         |          | H            | 19.81      |             |        |
|                   |         | E2       | V            | 22.08      |             |        |
|                   |         |          | H            | 18.96      |             |        |
|                   | Highest | H        | V            | 22.37      | 38.50       | Pass   |
|                   |         |          | H            | 20.22      |             |        |
|                   |         | E1       | V            | 22.19      |             |        |
|                   |         |          | H            | 19.88      |             |        |
|                   |         | E2       | V            | 21.83      |             |        |
|                   |         |          | H            | 19.28      |             |        |

| EUT mode         | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 7<br>(5MHz) | Lowest  | H        | V            | 22.65     | 33.00       | Pass   |
|                  |         |          | H            | 20.66     |             |        |
|                  |         | E1       | V            | 22.39     |             |        |
|                  |         |          | H            | 20.04     |             |        |
|                  |         | E2       | V            | 21.67     |             |        |
|                  |         |          | H            | 18.89     |             |        |
|                  | Middle  | H        | V            | 22.75     | 33.00       | Pass   |
|                  |         |          | H            | 20.15     |             |        |
|                  |         | E1       | V            | 22.42     |             |        |
|                  |         |          | H            | 20.00     |             |        |
|                  |         | E2       | V            | 22.23     |             |        |
|                  |         |          | H            | 19.15     |             |        |
|                  | Highest | H        | V            | 22.49     | 33.00       | Pass   |
|                  |         |          | H            | 20.25     |             |        |
|                  |         | E1       | V            | 22.33     |             |        |
|                  |         |          | H            | 20.05     |             |        |
|                  |         | E2       | V            | 21.95     |             |        |
|                  |         |          | H            | 19.41     |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 7<br>(10MHz) | Lowest  | H        | V            | 22.57     | 33.00       | Pass   |
|                   |         |          | H            | 20.55     |             |        |
|                   |         | E1       | V            | 22.27     |             |        |
|                   |         |          | H            | 19.90     |             |        |
|                   |         | E2       | V            | 21.52     |             |        |
|                   |         |          | H            | 18.70     |             |        |
|                   | Middle  | H        | V            | 22.61     | 33.00       | Pass   |
|                   |         |          | H            | 19.96     |             |        |
|                   |         | E1       | V            | 22.21     |             |        |
|                   |         |          | H            | 19.77     |             |        |
|                   |         | E2       | V            | 22.04     |             |        |
|                   |         |          | H            | 18.94     |             |        |
|                   | Highest | H        | V            | 22.35     | 33.00       | Pass   |
|                   |         |          | H            | 20.08     |             |        |
|                   |         | E1       | V            | 22.15     |             |        |
|                   |         |          | H            | 19.85     |             |        |
|                   |         | E2       | V            | 21.83     |             |        |
|                   |         |          | H            | 19.27     |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 7<br>(15MHz) | Lowest  | H        | V            | 22.61    | 33.00       | Pass   |
|                   |         |          | H            | 20.60    |             |        |
|                   |         | E1       | V            | 22.33    |             |        |
|                   |         |          | H            | 19.97    |             |        |
|                   |         | E2       | V            | 21.59    |             |        |
|                   |         |          | H            | 18.80    |             |        |
|                   | Middle  | H        | V            | 22.69    | 33.00       | Pass   |
|                   |         |          | H            | 20.06    |             |        |
|                   |         | E1       | V            | 22.32    |             |        |
|                   |         |          | H            | 19.89    |             |        |
|                   |         | E2       | V            | 22.14    |             |        |
|                   |         |          | H            | 19.05    |             |        |
|                   | Highest | H        | V            | 22.43    | 33.00       | Pass   |
|                   |         |          | H            | 20.16    |             |        |
|                   |         | E1       | V            | 22.24    |             |        |
|                   |         |          | H            | 19.95    |             |        |
|                   |         | E2       | V            | 21.89    |             |        |
|                   |         |          | H            | 19.34    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|----------|-------------|--------|
| Band 7<br>(20MHz) | Lowest  | H        | V            | 22.66    | 33.00       | Pass   |
|                   |         |          | H            | 20.66    |             |        |
|                   |         | E1       | V            | 22.39    |             |        |
|                   |         |          | H            | 20.04    |             |        |
|                   |         | E2       | V            | 21.66    |             |        |
|                   |         |          | H            | 18.88    |             |        |
|                   | Middle  | H        | V            | 22.76    | 33.00       | Pass   |
|                   |         |          | H            | 20.14    |             |        |
|                   |         | E1       | V            | 22.41    |             |        |
|                   |         |          | H            | 19.99    |             |        |
|                   |         | E2       | V            | 22.22    |             |        |
|                   |         |          | H            | 19.13    |             |        |
|                   | Highest | H        | V            | 22.49    | 33.00       | Pass   |
|                   |         |          | H            | 20.24    |             |        |
|                   |         | E1       | V            | 22.32    |             |        |
|                   |         |          | H            | 20.04    |             |        |
|                   |         | E2       | V            | 21.95    |             |        |
|                   |         |          | H            | 19.41    |             |        |

| EUT mode            | Channel | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|---------------------|---------|----------|--------------|----------|-------------|--------|
| Band 12<br>(1.4MHz) | Lowest  | H        | V            | 22.45    | 34.77       | Pass   |
|                     |         |          | H            | 20.40    |             |        |
|                     |         | E1       | V            | 22.11    |             |        |
|                     |         |          | H            | 19.71    |             |        |
|                     |         | E2       | V            | 21.31    |             |        |
|                     |         |          | H            | 18.47    |             |        |
|                     | Middle  | H        | V            | 22.42    | 34.77       | Pass   |
|                     |         |          | H            | 19.71    |             |        |
|                     |         | E1       | V            | 21.94    |             |        |
|                     |         |          | H            | 19.47    |             |        |
|                     |         | E2       | V            | 21.81    |             |        |
|                     |         |          | H            | 18.68    |             |        |
|                     | Highest | H        | V            | 22.16    | 34.77       | Pass   |
|                     |         |          | H            | 19.86    |             |        |
|                     |         | E1       | V            | 21.92    |             |        |
|                     |         |          | H            | 19.59    |             |        |
|                     |         | E2       | V            | 21.67    |             |        |
|                     |         |          | H            | 19.08    |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 12<br>(3MHz) | Lowest  | H        | V            | 22.48      | 34.77       | Pass   |
|                   |         |          | H            | 20.43      |             |        |
|                   |         | E1       | V            | 22.14      |             |        |
|                   |         |          | H            | 19.74      |             |        |
|                   |         | E2       | V            | 21.34      |             |        |
|                   |         |          | H            | 18.50      |             |        |
|                   | Middle  | H        | V            | 22.45      | 34.77       | Pass   |
|                   |         |          | H            | 19.74      |             |        |
|                   |         | E1       | V            | 21.98      |             |        |
|                   |         |          | H            | 19.51      |             |        |
|                   |         | E2       | V            | 21.84      |             |        |
|                   |         |          | H            | 18.71      |             |        |
|                   | Highest | H        | V            | 22.19      | 34.77       | Pass   |
|                   |         |          | H            | 19.89      |             |        |
|                   |         | E1       | V            | 21.95      |             |        |
|                   |         |          | H            | 19.62      |             |        |
|                   |         | E2       | V            | 21.70      |             |        |
|                   |         |          | H            | 19.11      |             |        |

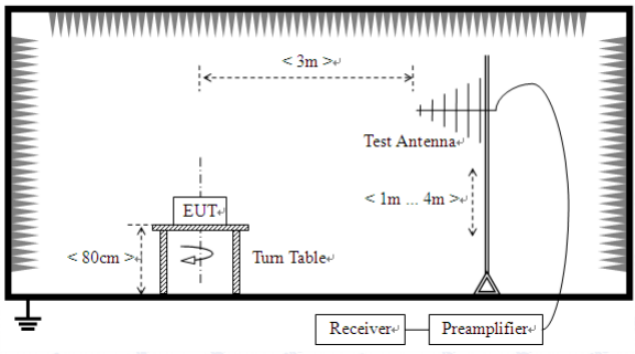
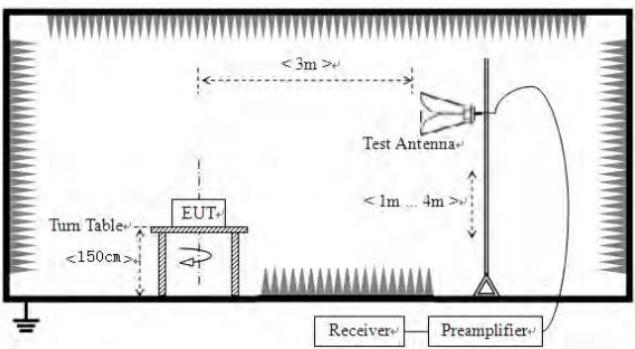
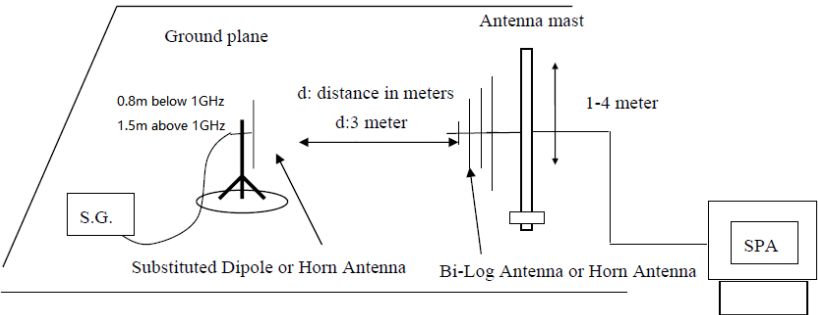
| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|------------|-------------|--------|
| Band 12<br>(5MHz) | Lowest  | H        | V            | 22.38      | 34.77       | Pass   |
|                   |         |          | H            | 20.33      |             |        |
|                   |         | E1       | V            | 22.03      |             |        |
|                   |         |          | H            | 19.63      |             |        |
|                   |         | E2       | V            | 21.22      |             |        |
|                   |         |          | H            | 18.38      |             |        |
|                   | Middle  | H        | V            | 22.33      | 34.77       | Pass   |
|                   |         |          | H            | 19.62      |             |        |
|                   |         | E1       | V            | 21.84      |             |        |
|                   |         |          | H            | 19.37      |             |        |
|                   |         | E2       | V            | 21.70      |             |        |
|                   |         |          | H            | 18.58      |             |        |
|                   | Highest | H        | V            | 22.07      | 34.77       | Pass   |
|                   |         |          | H            | 19.78      |             |        |
|                   |         | E1       | V            | 21.82      |             |        |
|                   |         |          | H            | 19.49      |             |        |
|                   |         | E2       | V            | 21.60      |             |        |
|                   |         |          | H            | 19.01      |             |        |

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|------------|-------------|--------|
| Band 12<br>(10MHz) | Lowest  | H        | V            | 22.15      | 34.77       | Pass   |
|                    |         |          | H            | 20.10      |             |        |
|                    |         | E1       | V            | 21.77      |             |        |
|                    |         |          | H            | 19.36      |             |        |
|                    |         | E2       | V            | 20.92      |             |        |
|                    |         |          | H            | 18.08      |             |        |
|                    | Middle  | H        | V            | 22.04      | 34.77       | Pass   |
|                    |         |          | H            | 19.30      |             |        |
|                    |         | E1       | V            | 21.49      |             |        |
|                    |         |          | H            | 19.02      |             |        |
|                    |         | E2       | V            | 21.39      |             |        |
|                    |         |          | H            | 18.25      |             |        |
|                    | Highest | H        | V            | 21.80      | 34.77       | Pass   |
|                    |         |          | H            | 19.48      |             |        |
|                    |         | E1       | V            | 21.51      |             |        |
|                    |         |          | H            | 19.16      |             |        |
|                    |         | E2       | V            | 21.34      |             |        |
|                    |         |          | H            | 18.75      |             |        |

| EUT mode          | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 17<br>(5MHz) | Lowest  | H        | V            | 22.48     | 34.77       | Pass   |
|                   |         |          | H            | 20.41     |             |        |
|                   |         | E1       | V            | 22.37     |             |        |
|                   |         |          | H            | 19.91     |             |        |
|                   |         | E2       | V            | 21.71     |             |        |
|                   |         |          | H            | 18.92     |             |        |
|                   | Middle  | H        | V            | 22.80     | 34.77       | Pass   |
|                   |         |          | H            | 20.28     |             |        |
|                   |         | E1       | V            | 22.55     |             |        |
|                   |         |          | H            | 20.15     |             |        |
|                   |         | E2       | V            | 22.29     |             |        |
|                   |         |          | H            | 19.20     |             |        |
|                   | Highest | H        | V            | 22.54     | 34.77       | Pass   |
|                   |         |          | H            | 20.35     |             |        |
|                   |         | E1       | V            | 22.44     |             |        |
|                   |         |          | H            | 20.14     |             |        |
|                   |         | E2       | V            | 21.97     |             |        |
|                   |         |          | H            | 19.44     |             |        |

| EUT mode           | Channel | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|--------------------|---------|----------|--------------|-----------|-------------|--------|
| Band 17<br>(10MHz) | Lowest  | H        | V            | 22.42     | 34.77       | Pass   |
|                    |         |          | H            | 20.31     |             |        |
|                    |         | E1       | V            | 22.35     |             |        |
|                    |         |          | H            | 19.83     |             |        |
|                    |         | E2       | V            | 21.69     |             |        |
|                    |         |          | H            | 18.88     |             |        |
|                    | Middle  | H        | V            | 22.79     | 34.77       | Pass   |
|                    |         |          | H            | 20.28     |             |        |
|                    |         | E1       | V            | 22.55     |             |        |
|                    |         |          | H            | 20.13     |             |        |
|                    |         | E2       | V            | 22.26     |             |        |
|                    |         |          | H            | 19.16     |             |        |
|                    | Highest | H        | V            | 22.54     | 34.77       | Pass   |
|                    |         |          | H            | 20.36     |             |        |
|                    |         | E1       | V            | 22.45     |             |        |
|                    |         |          | H            | 20.12     |             |        |
|                    |         | E2       | V            | 21.96     |             |        |
|                    |         |          | H            | 19.42     |             |        |

## 7.9 Field strength of spurious radiation measurement

|                   |                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | Part 24.238 (a); FCC Part 27.53(h)/(g)                                                                                                                                                                                                                                                                                      |
| Test Method:      | FCC part 2.1053 and ANSI C63.26:2015                                                                                                                                                                                                                                                                                        |
| Limit:            | Band 2/4/5/7/12/17:-13dBm                                                                                                                                                                                                                                                                                                   |
| Test setup:       | <p>Below 1GHz</p>  <p>Above 1GHz</p>  <p>Substituted method:</p>  |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Procedure:   | <ol style="list-style-type: none"> <li>1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.</li> <li>2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.</li> <li>3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.</li> <li>4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.<br/> <math display="block">\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}</math> </li> </ol> |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Test mode:        | Refer to section 6.1 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Measurement Data

### Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Remark"---" means that the emission level is too low to be measured
3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

| Test mode:      | Band 2 (1.4MHz)   |             | Test channel: | Lowest  |
|-----------------|-------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 3701.40         | Vertical          | -36.05      | -13.00        | Pass    |
| 5552.10         | V                 | -38.78      |               |         |
| 7402.80         | V                 | -41.04      |               |         |
| 9253.50         | V                 | -43.20      |               |         |
| 11104.20        | V                 | ---         |               |         |
| 3701.40         | Horizontal        | -41.28      | -13.00        | Pass    |
| 5552.10         | H                 | -45.14      |               |         |
| 7402.80         | H                 | -46.71      |               |         |
| 9253.50         | H                 | -49.44      |               |         |
| 11104.20        | H                 | ---         |               |         |
| Test mode:      | Band 2 (1.4MHz)   |             | Test channel: | Middle  |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 3760.00         | Vertical          | -37.42      | -13.00        | Pass    |
| 5640.00         | V                 | -39.69      |               |         |
| 7520.00         | V                 | -41.58      |               |         |
| 9400.00         | V                 | -43.38      |               |         |
| 11280.00        | V                 | ---         |               |         |
| 3760.00         | Horizontal        | -41.78      | -13.00        | Pass    |
| 5640.00         | H                 | -45.00      |               |         |
| 7520.00         | H                 | -46.30      |               |         |
| 9400.00         | H                 | -48.58      |               |         |
| 11280.00        | H                 | ---         |               |         |
| Test mode:      | Band 2 (1.4MHz)   |             | Test channel: | Highest |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 3818.60         | Vertical          | -37.74      | -13.00        | Pass    |
| 5727.90         | V                 | -39.76      |               |         |
| 7637.20         | V                 | -41.42      |               |         |
| 9546.50         | V                 | -43.03      |               |         |
| 11455.80        | V                 | ---         |               |         |
| 3818.60         | Horizontal        | -41.61      | -13.00        | Pass    |
| 5727.90         | H                 | -44.47      |               |         |
| 7637.20         | H                 | -45.62      |               |         |
| 9546.50         | H                 | -47.64      |               |         |
| 11455.80        | H                 | ---         |               |         |

| Test mode:      | Band 4 (1.4MHz)   |             | Test channel: | Lowest  |
|-----------------|-------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 3421.40         | Vertical          | -37.16      | -13.00        | Pass    |
| 5132.10         | V                 | -39.53      |               |         |
| 6842.80         | V                 | -41.50      |               |         |
| 8553.50         | V                 | -43.39      |               |         |
| 10264.20        | V                 | ---         |               |         |
| 3421.40         | Horizontal        | -41.72      | -13.00        | Pass    |
| 5132.10         | H                 | -45.09      |               |         |
| 6842.80         | H                 | -46.43      |               |         |
| 8553.50         | H                 | -48.80      |               |         |
| 10264.20        | H                 | ---         |               |         |
| Test mode:      | Band 4 (1.4MHz)   |             | Test channel: | Middle  |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 3465.00         | Vertical          | -35.02      | -13.00        | Pass    |
| 5197.50         | V                 | -37.47      |               |         |
| 6930.00         | V                 | -39.49      |               |         |
| 8662.50         | V                 | -41.46      |               |         |
| 10395.00        | V                 | ---         |               |         |
| 3465.00         | Horizontal        | -39.74      | -13.00        | Pass    |
| 5197.50         | H                 | -43.20      |               |         |
| 6930.00         | H                 | -44.60      |               |         |
| 8662.50         | H                 | -47.04      |               |         |
| 10395.00        | H                 | ---         |               |         |
| Test mode:      | Band 4 (1.4MHz)   |             | Test channel: | Highest |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 3508.60         | Vertical          | -35.80      | -13.00        | Pass    |
| 5262.90         | V                 | -38.19      |               |         |
| 7017.20         | V                 | -40.17      |               |         |
| 8771.50         | V                 | -42.07      |               |         |
| 10525.80        | V                 | ---         |               |         |
| 3508.60         | Horizontal        | -40.39      | -13.00        | Pass    |
| 5262.90         | H                 | -43.78      |               |         |
| 7017.20         | H                 | -45.14      |               |         |
| 8771.50         | H                 | -47.53      |               |         |
| 10525.80        | H                 | ---         |               |         |

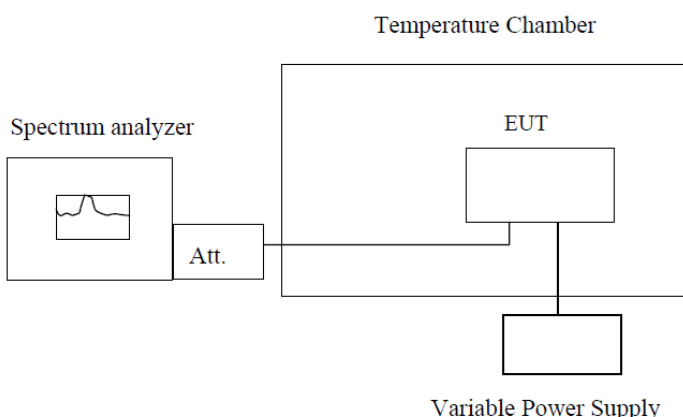
| Test mode:      | Band 5 (1.4MHz)   |             | Test channel: | Lowest  |
|-----------------|-------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 1649.40         | Vertical          | -40.16      | -13.00        | Pass    |
| 2474.10         | V                 | -40.86      |               |         |
| 3298.80         | V                 | -42.23      |               |         |
| 4123.50         | V                 | -44.38      |               |         |
| 4948.20         | V                 | ---         |               |         |
| 1649.40         | Horizontal        | -43.06      | -13.00        | Pass    |
| 2474.10         | H                 | -45.18      |               |         |
| 3298.80         | H                 | -46.65      |               |         |
| 4123.50         | H                 | -49.07      |               |         |
| 4948.20         | H                 | ---         |               |         |
| Test mode:      | Band 5 (1.4MHz)   |             | Test channel: | Middle  |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 1673.00         | Vertical          | -41.08      | -13.00        | Pass    |
| 2509.50         | V                 | -43.02      |               |         |
| 3346.00         | V                 | -44.23      |               |         |
| 4182.50         | V                 | -48.12      |               |         |
| 5019.00         | V                 | ---         |               |         |
| 1673.00         | Horizontal        | -44.36      | -13.00        | Pass    |
| 2509.50         | H                 | -44.88      |               |         |
| 3346.00         | H                 | -47.06      |               |         |
| 4182.50         | H                 | -50.39      |               |         |
| 5019.00         | H                 | ---         |               |         |
| Test mode:      | Band 5 (1.4MHz)   |             | Test channel: | Highest |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 1696.60         | Vertical          | -38.65      | -13.00        | Pass    |
| 2544.90         | V                 | -40.29      |               |         |
| 3393.20         | V                 | -42.22      |               |         |
| 4241.50         | V                 | -43.15      |               |         |
| 5089.80         | V                 | ---         |               |         |
| 1696.60         | Horizontal        | -44.50      | -13.00        | Pass    |
| 2544.90         | H                 | -48.18      |               |         |
| 3393.20         | H                 | -50.48      |               |         |
| 4241.50         | H                 | -53.53      |               |         |
| 5089.80         | H                 | ---         |               |         |

| Test mode:      | Band 7 (5MHz)     |             | Test channel: | Lowest  |
|-----------------|-------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 5005.00         | Vertical          | -38.58      | -13.00        | Pass    |
| 7507.50         | V                 | -41.67      |               |         |
| 10010.00        | V                 | -44.23      |               |         |
| 12512.50        | V                 | -46.69      |               |         |
| 15015.00        | V                 | ---         |               |         |
| 5005.00         | Horizontal        | -44.51      | -13.00        | Pass    |
| 7507.50         | H                 | -48.88      |               |         |
| 10010.00        | H                 | -50.65      |               |         |
| 12512.50        | H                 | -53.73      |               |         |
| 15015.00        | H                 | ---         |               |         |
| Test mode:      | Band 7 (5MHz)     |             | Test channel: | Middle  |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 5070.00         | Vertical          | -39.03      | -13.00        | Pass    |
| 7605.00         | V                 | -41.98      |               |         |
| 10140.00        | V                 | -44.41      |               |         |
| 12675.00        | V                 | -46.75      |               |         |
| 15210.00        | V                 | ---         |               |         |
| 5070.00         | Horizontal        | -44.68      | -13.00        | Pass    |
| 7605.00         | H                 | -48.85      |               |         |
| 10140.00        | H                 | -50.53      |               |         |
| 12675.00        | H                 | -53.47      |               |         |
| 15210.00        | H                 | ---         |               |         |
| Test mode:      | Band 7 (5MHz)     |             | Test channel: | Highest |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 5135.00         | Vertical          | -38.27      | -13.00        | Pass    |
| 7702.50         | V                 | -41.02      |               |         |
| 10270.00        | V                 | -43.29      |               |         |
| 12837.50        | V                 | -45.48      |               |         |
| 15405.00        | V                 | ---         |               |         |
| 5135.00         | Horizontal        | -43.54      | -13.00        | Pass    |
| 7702.50         | H                 | -47.43      |               |         |
| 10270.00        | H                 | -49.00      |               |         |
| 12837.50        | H                 | -51.74      |               |         |
| 15405.00        | H                 | ---         |               |         |

| Test mode:      | Band 12 (1.4MHz)  |             | Test channel: | Lowest  |
|-----------------|-------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 1399.40         | Vertical          | -37.50      | -13.00        | Pass    |
| 2099.10         | V                 | -41.24      |               |         |
| 2798.80         | V                 | -43.97      |               |         |
| 3498.50         | V                 | -41.50      |               |         |
| 4198.20         | V                 | ---         |               |         |
| 1399.40         | Horizontal        | -40.30      | -13.00        | Pass    |
| 2099.10         | H                 | -42.98      |               |         |
| 2798.80         | H                 | -48.39      |               |         |
| 3498.50         | H                 | -52.01      |               |         |
| 4198.20         | H                 | ---         |               |         |
| Test mode:      | Band 12 (1.4MHz)  |             | Test channel: | Middle  |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 1415.00         | Vertical          | -39.69      | -13.00        | Pass    |
| 2122.50         | V                 | -40.99      |               |         |
| 2830.00         | V                 | -44.60      |               |         |
| 3537.50         | V                 | -47.06      |               |         |
| 4245.00         | V                 | ---         |               |         |
| 1415.00         | Horizontal        | -42.13      | -13.00        | Pass    |
| 2122.50         | H                 | -44.02      |               |         |
| 2830.00         | H                 | -48.69      |               |         |
| 3537.50         | H                 | -51.06      |               |         |
| 4245.00         | H                 | ---         |               |         |
| Test mode:      | Band 12 (1.4MHz)  |             | Test channel: | Highest |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 1430.60         | Vertical          | -37.96      | -13.00        | Pass    |
| 2145.90         | V                 | -40.39      |               |         |
| 2861.20         | V                 | -43.02      |               |         |
| 3576.50         | V                 | -45.91      |               |         |
| 4291.80         | V                 | ---         |               |         |
| 1430.60         | Horizontal        | -41.30      | -13.00        | Pass    |
| 2145.90         | H                 | -43.72      |               |         |
| 2861.20         | H                 | -45.09      |               |         |
| 3576.50         | H                 | -51.28      |               |         |
| 4291.80         | H                 | ---         |               |         |

| Test mode:      | Band 17 (5MHz)    |             | Test channel: | Lowest  |
|-----------------|-------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 1413.00         | Vertical          | -40.27      | -13.00        | Pass    |
| 2119.50         | V                 | -40.96      |               |         |
| 2826.00         | V                 | -42.37      |               |         |
| 3532.50         | V                 | -44.60      |               |         |
| 4239.00         | V                 | ---         |               |         |
| 1413.00         | Horizontal        | -43.44      | -13.00        | Pass    |
| 2119.50         | H                 | -45.08      |               |         |
| 2826.00         | H                 | -46.00      |               |         |
| 3532.50         | H                 | -48.91      |               |         |
| 4239.00         | H                 | ---         |               |         |
| Test mode:      | Band 17 (5MHz)    |             | Test channel: | Middle  |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 1420.00         | Vertical          | -40.66      | -13.00        | Pass    |
| 2130.00         | V                 | -42.78      |               |         |
| 2840.00         | V                 | -44.36      |               |         |
| 3550.00         | V                 | -48.45      |               |         |
| 4260.00         | V                 | ---         |               |         |
| 1420.00         | Horizontal        | -43.85      | -13.00        | Pass    |
| 2130.00         | H                 | -44.72      |               |         |
| 2840.00         | H                 | -46.96      |               |         |
| 3550.00         | H                 | -50.02      |               |         |
| 4260.00         | H                 | ---         |               |         |
| Test mode:      | Band 17 (5MHz)    |             | Test channel: | Highest |
| Frequency (MHz) | Spurious Emission |             | Limit (dBm)   | Result  |
|                 | Polarization      | Level (dBm) |               |         |
| 1427.00         | Vertical          | -38.58      | -13.00        | Pass    |
| 2140.50         | V                 | -40.00      |               |         |
| 2854.00         | V                 | -42.06      |               |         |
| 3567.50         | V                 | -43.14      |               |         |
| 4281.00         | V                 | ---         |               |         |
| 1427.00         | Horizontal        | -44.38      | -13.00        | Pass    |
| 2140.50         | H                 | -48.21      |               |         |
| 2854.00         | H                 | -50.30      |               |         |
| 3567.50         | H                 | -53.29      |               |         |
| 4281.00         | H                 | ---         |               |         |

## 7.10 Frequency stability V.S. Temperature measurement

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part2.1055(a)(1)(b)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Test Method:      | FCC Part2.1055(a)(1)(b)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Limit:            | 2.5ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Test setup:       |  <p><b>Note :</b> Measurement setup for testing on Antenna connector</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test procedure:   | <ol style="list-style-type: none"> <li>1. The equipment under test was connected to an external DC power supply and input rated voltage.</li> <li>2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.</li> <li>3. The EUT was placed inside the temperature chamber.</li> <li>4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency.</li> <li>5. Turn EUT off and set the chamber temperature to –20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency.</li> <li>6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.</li> </ol> |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test mode:        | Refer to section 6.1 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Measurement Data

Modulation Mode: QPSK Mode

| Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz   |                  |                 |        |             |        |
|------------------------------------------------------------------------|------------------|-----------------|--------|-------------|--------|
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 47              | 0.0248 | 2.5         | Pass   |
|                                                                        | -20              | 52              | 0.0275 |             |        |
|                                                                        | -10              | 45              | 0.0238 |             |        |
|                                                                        | 0                | 38              | 0.0202 |             |        |
|                                                                        | 10               | 43              | 0.0229 |             |        |
|                                                                        | 20               | 38              | 0.0202 |             |        |
|                                                                        | 30               | 59              | 0.0312 |             |        |
|                                                                        | 40               | 53              | 0.0284 |             |        |
|                                                                        | 50               | 52              | 0.0275 |             |        |
| Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz |                  |                 |        |             |        |
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 52              | 0.0299 | 2.5         | Pass   |
|                                                                        | -20              | 57              | 0.0326 |             |        |
|                                                                        | -10              | 49              | 0.0285 |             |        |
|                                                                        | 0                | 45              | 0.0258 |             |        |
|                                                                        | 10               | 47              | 0.0272 |             |        |
|                                                                        | 20               | 42              | 0.0244 |             |        |
|                                                                        | 30               | 68              | 0.0395 |             |        |
|                                                                        | 40               | 59              | 0.0340 |             |        |
|                                                                        | 50               | 57              | 0.0326 |             |        |
| Reference Frequency: LTE Band 5 Middle channel=20525 channel=836.5MHz  |                  |                 |        |             |        |
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        |             | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 49              | 0.0582 | 2.5         | Pass   |
|                                                                        | -20              | 56              | 0.0665 |             |        |
|                                                                        | -10              | 47              | 0.0565 |             |        |
|                                                                        | 0                | 42              | 0.0498 |             |        |
|                                                                        | 10               | 46              | 0.0552 |             |        |
|                                                                        | 20               | 41              | 0.0487 |             |        |
|                                                                        | 30               | 66              | 0.0787 |             |        |
|                                                                        | 40               | 58              | 0.0692 |             |        |
|                                                                        | 50               | 55              | 0.0658 |             |        |

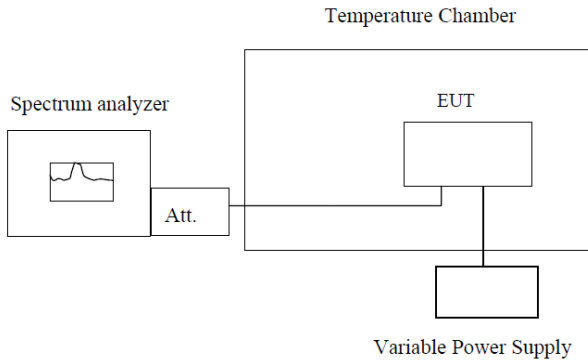
| Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz   |                  |                 |        |             |        |
|------------------------------------------------------------------------|------------------|-----------------|--------|-------------|--------|
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 38              | 0.0148 | 2.5         | Pass   |
|                                                                        | -20              | 45              | 0.0177 |             |        |
|                                                                        | -10              | 35              | 0.0137 |             |        |
|                                                                        | 0                | 28              | 0.0109 |             |        |
|                                                                        | 10               | 36              | 0.0143 |             |        |
|                                                                        | 20               | 28              | 0.0109 |             |        |
|                                                                        | 30               | 52              | 0.0205 |             |        |
|                                                                        | 40               | 42              | 0.0165 |             |        |
|                                                                        | 50               | 45              | 0.0177 |             |        |
| Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz |                  |                 |        |             |        |
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        |             | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 32              | 0.0448 | 2.5         | Pass   |
|                                                                        | -20              | 39              | 0.0547 |             |        |
|                                                                        | -10              | 32              | 0.0448 |             |        |
|                                                                        | 0                | 26              | 0.0365 |             |        |
|                                                                        | 10               | 32              | 0.0448 |             |        |
|                                                                        | 20               | 27              | 0.0381 |             |        |
|                                                                        | 30               | 47              | 0.0663 |             |        |
|                                                                        | 40               | 40              | 0.0563 |             |        |
|                                                                        | 50               | 38              | 0.0530 |             |        |
| Reference Frequency: LTE Band 17 Middle channel=23790 channel=710MHz   |                  |                 |        |             |        |
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        |             | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 29              | 0.0412 | 2.5         | Pass   |
|                                                                        | -20              | 35              | 0.0495 |             |        |
|                                                                        | -10              | 27              | 0.0378 |             |        |
|                                                                        | 0                | 21              | 0.0295 |             |        |
|                                                                        | 10               | 28              | 0.0395 |             |        |
|                                                                        | 20               | 21              | 0.0295 |             |        |
|                                                                        | 30               | 41              | 0.0578 |             |        |
|                                                                        | 40               | 33              | 0.0461 |             |        |
|                                                                        | 50               | 35              | 0.0495 |             |        |

**Modulation Mode: 16QAM Mode**

| Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz   |                  |                 |        |             |        |
|------------------------------------------------------------------------|------------------|-----------------|--------|-------------|--------|
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 45              | 0.0240 | 2.5         | Pass   |
|                                                                        | -20              | 50              | 0.0268 |             |        |
|                                                                        | -10              | 43              | 0.0231 |             |        |
|                                                                        | 0                | 37              | 0.0194 |             |        |
|                                                                        | 10               | 42              | 0.0222 |             |        |
|                                                                        | 20               | 37              | 0.0194 |             |        |
|                                                                        | 30               | 57              | 0.0304 |             |        |
|                                                                        | 40               | 52              | 0.0277 |             |        |
|                                                                        | 50               | 50              | 0.0268 |             |        |
| Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz |                  |                 |        |             |        |
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 51              | 0.0291 | 2.5         | Pass   |
|                                                                        | -20              | 55              | 0.0319 |             |        |
|                                                                        | -10              | 48              | 0.0278 |             |        |
|                                                                        | 0                | 43              | 0.0251 |             |        |
|                                                                        | 10               | 46              | 0.0264 |             |        |
|                                                                        | 20               | 41              | 0.0237 |             |        |
|                                                                        | 30               | 67              | 0.0386 |             |        |
|                                                                        | 40               | 58              | 0.0332 |             |        |
|                                                                        | 50               | 55              | 0.0319 |             |        |
| Reference Frequency: LTE Band 5 Middle channel=20525 channel=836.5MHz  |                  |                 |        |             |        |
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        |             | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 50              | 0.0597 | 2.5         | Pass   |
|                                                                        | -20              | 57              | 0.0682 |             |        |
|                                                                        | -10              | 48              | 0.0579 |             |        |
|                                                                        | 0                | 43              | 0.0510 |             |        |
|                                                                        | 10               | 47              | 0.0565 |             |        |
|                                                                        | 20               | 42              | 0.0499 |             |        |
|                                                                        | 30               | 68              | 0.0807 |             |        |
|                                                                        | 40               | 59              | 0.0710 |             |        |
|                                                                        | 50               | 56              | 0.0674 |             |        |

| Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz   |                  |                 |        |             |        |
|------------------------------------------------------------------------|------------------|-----------------|--------|-------------|--------|
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 32              | 0.0128 | 2.5         | Pass   |
|                                                                        | -20              | 39              | 0.0154 |             |        |
|                                                                        | -10              | 30              | 0.0118 |             |        |
|                                                                        | 0                | 23              | 0.0092 |             |        |
|                                                                        | 10               | 31              | 0.0123 |             |        |
|                                                                        | 20               | 23              | 0.0092 |             |        |
|                                                                        | 30               | 46              | 0.0180 |             |        |
|                                                                        | 40               | 36              | 0.0144 |             |        |
|                                                                        | 50               | 39              | 0.0154 |             |        |
| Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz |                  |                 |        |             |        |
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        |             | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 31              | 0.0437 | 2.5         | Pass   |
|                                                                        | -20              | 38              | 0.0535 |             |        |
|                                                                        | -10              | 31              | 0.0437 |             |        |
|                                                                        | 0                | 25              | 0.0355 |             |        |
|                                                                        | 10               | 31              | 0.0437 |             |        |
|                                                                        | 20               | 26              | 0.0371 |             |        |
|                                                                        | 30               | 46              | 0.0650 |             |        |
|                                                                        | 40               | 39              | 0.0551 |             |        |
|                                                                        | 50               | 37              | 0.0519 |             |        |
| Reference Frequency: LTE Band 17 Middle channel=23790 channel=710MHz   |                  |                 |        |             |        |
| Power supplied (Vdc)                                                   | Temperature (°C) | Frequency error |        |             | Result |
|                                                                        |                  | Hz              | ppm    |             |        |
| 3.80                                                                   | -30              | 43              | 0.0609 | 2.5         | Pass   |
|                                                                        | -20              | 51              | 0.0721 |             |        |
|                                                                        | -10              | 40              | 0.0565 |             |        |
|                                                                        | 0                | 32              | 0.0454 |             |        |
|                                                                        | 10               | 42              | 0.0587 |             |        |
|                                                                        | 20               | 32              | 0.0454 |             |        |
|                                                                        | 30               | 59              | 0.0832 |             |        |
|                                                                        | 40               | 48              | 0.0676 |             |        |
|                                                                        | 50               | 51              | 0.0721 |             |        |

## 7.11 Frequency stability V.S. Voltage measurement

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part2.1055(d)(1)(2)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test Method:      | FCC Part2.1055(d)(1)(2)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Limit:            | 2.5ppm                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Test setup:       |  <p><b>Note :</b> Measurement setup for testing on Antenna connector</p>                                                                                                                                                                                                                                                                                       |
| Test procedure:   | <ol style="list-style-type: none"> <li>1. Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage.</li> <li>2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.</li> <li>3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.</li> </ol> |
| Test Instruments: | Refer to section 6.0 for details                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Test mode:        | Refer to section 6.1 for details                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Test results:     | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Measurement Data

### Modulation Mode: QPSK Mode

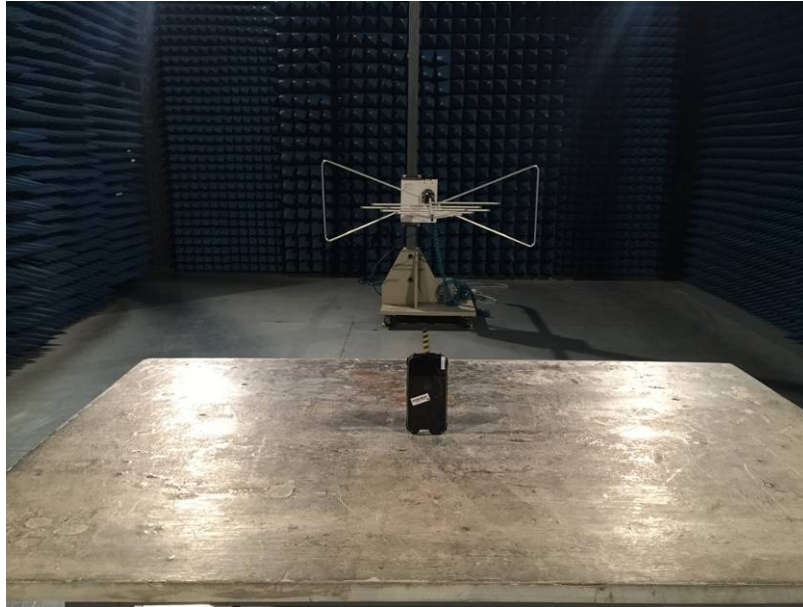
| Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz   |                      |                 |        |             |        |
|------------------------------------------------------------------------|----------------------|-----------------|--------|-------------|--------|
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 25              | 0.0131 | 2.5         | Pass   |
|                                                                        | 3.80                 | 27              | 0.0146 |             |        |
|                                                                        | 3.23                 | 30              | 0.0160 |             |        |
| Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 32              | 0.0184 | 2.5         | Pass   |
|                                                                        | 3.80                 | 24              | 0.0141 |             |        |
|                                                                        | 3.23                 | 27              | 0.0155 |             |        |
| Reference Frequency: LTE Band 5 Middle channel=20525 channel=836.5MHz  |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 38              | 0.0460 | 2.5         | Pass   |
|                                                                        | 3.80                 | 43              | 0.0512 |             |        |
|                                                                        | 3.23                 | 47              | 0.0564 |             |        |
| Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz   |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 62              | 0.0243 | 2.5         | Pass   |
|                                                                        | 3.80                 | 47              | 0.0186 |             |        |
|                                                                        | 3.23                 | 50              | 0.0197 |             |        |
| Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 33              | 0.0462 | 2.5         | Pass   |
|                                                                        | 3.80                 | 40              | 0.0560 |             |        |
|                                                                        | 3.23                 | 40              | 0.0560 |             |        |
| Reference Frequency: LTE Band 17 Middle channel=23790 channel=710MHz   |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 55              | 0.0777 | 2.5         | Pass   |
|                                                                        | 3.80                 | 42              | 0.0587 |             |        |
|                                                                        | 3.23                 | 44              | 0.0625 |             |        |

**Modulation Mode: 16QAM Mode**

| Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz   |                      |                 |        |             |        |
|------------------------------------------------------------------------|----------------------|-----------------|--------|-------------|--------|
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 22              | 0.0116 | 2.5         | Pass   |
|                                                                        | 3.80                 | 24              | 0.0129 |             |        |
|                                                                        | 3.23                 | 27              | 0.0142 |             |        |
| Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 34              | 0.0198 | 2.5         | Pass   |
|                                                                        | 3.80                 | 26              | 0.0150 |             |        |
|                                                                        | 3.23                 | 29              | 0.0166 |             |        |
| Reference Frequency: LTE Band 5 Middle channel=20525 channel=836.5MHz  |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 41              | 0.0493 | 2.5         | Pass   |
|                                                                        | 3.80                 | 47              | 0.0557 |             |        |
|                                                                        | 3.23                 | 52              | 0.0619 |             |        |
| Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz   |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 56              | 0.0220 | 2.5         | Pass   |
|                                                                        | 3.80                 | 42              | 0.0167 |             |        |
|                                                                        | 3.23                 | 45              | 0.0178 |             |        |
| Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 33              | 0.0465 | 2.5         | Pass   |
|                                                                        | 3.80                 | 39              | 0.0558 |             |        |
|                                                                        | 3.23                 | 39              | 0.0558 |             |        |
| Reference Frequency: LTE Band 17 Middle channel=23790 channel=710MHz   |                      |                 |        |             |        |
| Temperature (°C)                                                       | Power supplied (Vdc) | Frequency error |        | Limit (ppm) | Result |
|                                                                        |                      | Hz              | ppm    |             |        |
| 25                                                                     | 4.37                 | 54              | 0.0761 | 2.5         | Pass   |
|                                                                        | 3.80                 | 41              | 0.0575 |             |        |
|                                                                        | 3.23                 | 43              | 0.0612 |             |        |

## 8 Test Setup Photo

Radiated Emission



## 9 EUT Constructional Details

Reference to the test report No. : GTS201807000146F01

-----End-----