



## Appendix for test report

## 1Appendix\_A: Effective (Isotropic) Radiated Power Output Data

### Part I - Test Results

| Test Band(LTE) | Test Mode   | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-------------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND41         | LTE/TM<br>1 | 5              | LCH          | RB1#0   | 22.82          | 24.62      | 33          | PASS    |
|                |             |                |              | RB1#13  | 23.4           | 25.2       | 33          | PASS    |
|                |             |                |              | RB1#24  | 23.08          | 24.88      | 33          | PASS    |
|                |             |                |              | RB12#0  | 22.07          | 23.87      | 33          | PASS    |
|                |             |                |              | RB12#6  | 22.29          | 24.09      | 33          | PASS    |
|                |             |                |              | RB12#13 | 22.2           | 24         | 33          | PASS    |
|                |             |                |              | RB25#0  | 22.08          | 23.88      | 33          | PASS    |
|                |             |                | MCH          | RB1#0   | 22.7           | 24.5       | 33          | PASS    |
|                |             |                |              | RB1#13  | 23.31          | 25.11      | 33          | PASS    |
|                |             |                |              | RB1#24  | 22.91          | 24.71      | 33          | PASS    |
|                |             |                |              | RB12#0  | 22.09          | 23.89      | 33          | PASS    |
|                |             |                |              | RB12#6  | 22.27          | 24.07      | 33          | PASS    |
|                |             |                |              | RB12#13 | 22.05          | 23.85      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 21.95          | 23.75      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.71          | 24.51      | 33          | PASS    |
|                |           |                |              | RB1#13  | 23.2           | 25         | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.86          | 24.66      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.87          | 23.67      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.27          | 24.07      | 33          | PASS    |
|                |           |                |              | RB12#13 | 22.09          | 23.89      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.81          | 23.61      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 23.09          | 24.89      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.58          | 25.38      | 33          | PASS    |
|                |           |                |              | RB1#49  | 23.2           | 25         | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.25          | 24.05      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.34          | 24.14      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.31          | 24.11      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.31          | 24.11      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.11          | 24.91      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.31          | 25.11      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#49  | 23.14          | 24.94      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.22          | 24.02      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.16          | 23.96      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.11          | 23.91      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.15          | 23.95      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.97          | 24.77      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.18          | 24.98      | 33          | PASS    |
|                |           |                |              | RB1#49  | 23.01          | 24.81      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.15          | 23.95      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.23          | 24.03      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.05          | 23.85      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.28          | 24.08      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 23.04          | 24.84      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.69          | 25.49      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.89          | 24.69      | 33          | PASS    |
|                |           |                |              | RB36#0  | 22.47          | 24.27      | 33          | PASS    |
|                |           |                |              | RB36#18 | 22.57          | 24.37      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB36#39 | 22.37          | 24.17      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.44          | 24.24      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.79          | 24.59      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.35          | 25.15      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.98          | 24.78      | 33          | PASS    |
|                |           |                |              | RB36#0  | 22.18          | 23.98      | 33          | PASS    |
|                |           |                |              | RB36#18 | 22.22          | 24.02      | 33          | PASS    |
|                |           |                |              | RB36#39 | 22.21          | 24.01      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.15          | 23.95      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.75          | 24.55      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.05          | 24.85      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.74          | 24.54      | 33          | PASS    |
|                |           |                |              | RB36#0  | 22.05          | 23.85      | 33          | PASS    |
|                |           |                |              | RB36#18 | 22.16          | 23.96      | 33          | PASS    |
|                |           |                |              | RB36#39 | 22.09          | 23.89      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.38          | 24.18      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 23.05          | 24.85      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#50  | 23.48          | 25.28      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.85          | 24.65      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.33          | 24.13      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.31          | 24.11      | 33          | PASS    |
|                |           |                |              | RB50#50 | 22.12          | 23.92      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.26          | 24.06      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.96          | 24.76      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.33          | 25.13      | 33          | PASS    |
|                |           |                |              | RB1#99  | 23.19          | 24.99      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.38          | 24.18      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.21          | 24.01      | 33          | PASS    |
|                |           |                |              | RB50#50 | 22.36          | 24.16      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.32          | 24.12      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.04          | 24.84      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.23          | 25.03      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.96          | 24.76      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.64          | 24.44      | 33          | PASS    |

| Test Band(LTE) | Test Mode   | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-------------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |             |                |              | RB50#25 | 22.28          | 24.08      | 33          | PASS    |
|                |             |                |              | RB50#50 | 22.15          | 23.95      | 33          | PASS    |
|                |             |                |              | RB100#0 | 22.61          | 24.41      | 33          | PASS    |
|                | LTE/TM<br>2 | 5              | LCH          | RB1#0   | 22.3           | 24.1       | 33          | PASS    |
|                |             |                |              | RB1#13  | 22.78          | 24.58      | 33          | PASS    |
|                |             |                |              | RB1#24  | 22.48          | 24.28      | 33          | PASS    |
|                |             |                |              | RB12#0  | 21.12          | 22.92      | 33          | PASS    |
|                |             |                |              | RB12#6  | 21.19          | 22.99      | 33          | PASS    |
|                |             |                |              | RB12#13 | 21.1           | 22.9       | 33          | PASS    |
|                |             |                |              | RB25#0  | 21.2           | 23         | 33          | PASS    |
|                |             |                | MCH          | RB1#0   | 22.12          | 23.92      | 33          | PASS    |
|                |             |                |              | RB1#13  | 22.37          | 24.17      | 33          | PASS    |
|                |             |                |              | RB1#24  | 21.98          | 23.78      | 33          | PASS    |
|                |             |                |              | RB12#0  | 21.21          | 23.01      | 33          | PASS    |
|                |             |                |              | RB12#6  | 21.39          | 23.19      | 33          | PASS    |
|                |             |                |              | RB12#13 | 21.17          | 22.97      | 33          | PASS    |
|                |             |                |              | RB25#0  | 21.05          | 22.85      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 21.93          | 23.73      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.41          | 24.21      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.05          | 23.85      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.89          | 22.69      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.99          | 22.79      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.87          | 22.67      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.95          | 22.75      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.44          | 24.24      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.87          | 24.67      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.63          | 24.43      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.34          | 23.14      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.37          | 23.17      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.34          | 23.14      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.33          | 23.13      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.46          | 24.26      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.57          | 24.37      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.43          | 24.23      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 21.27          | 23.07      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.23          | 23.03      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.18          | 22.98      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.22          | 23.02      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.05          | 23.85      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.34          | 24.14      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.07          | 23.87      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.02          | 22.82      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.03          | 22.83      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.84          | 22.64      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.05          | 22.85      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.11          | 23.91      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.8           | 24.6       | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.03          | 23.83      | 33          | PASS    |
|                |           |                |              | RB36#0  | 21.33          | 23.13      | 33          | PASS    |
|                |           |                |              | RB36#18 | 21.39          | 23.19      | 33          | PASS    |
|                |           |                |              | RB36#39 | 21.31          | 23.11      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB75#0  | 21.3           | 23.1       | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.83          | 23.63      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.32          | 24.12      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.07          | 23.87      | 33          | PASS    |
|                |           |                |              | RB36#0  | 21.14          | 22.94      | 33          | PASS    |
|                |           |                |              | RB36#18 | 21.29          | 23.09      | 33          | PASS    |
|                |           |                |              | RB36#39 | 21.22          | 23.02      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.14          | 22.94      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.07          | 23.87      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.39          | 24.19      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.07          | 23.87      | 33          | PASS    |
|                |           |                |              | RB36#0  | 21.1           | 22.9       | 33          | PASS    |
|                |           |                |              | RB36#18 | 21.12          | 22.92      | 33          | PASS    |
|                |           |                |              | RB36#39 | 20.97          | 22.77      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.28          | 23.08      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.42          | 24.22      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.88          | 24.68      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#99  | 22.31          | 24.11      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.16          | 22.96      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.2           | 23         | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.91          | 22.71      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.13          | 22.93      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.38          | 24.18      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.72          | 24.52      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.78          | 24.58      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.3           | 23.1       | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.33          | 23.13      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.34          | 23.14      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.29          | 23.09      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.14          | 23.94      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.29          | 24.09      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.08          | 23.88      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.62          | 23.42      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.34          | 23.14      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB50#50 | 21.04          | 22.84      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.52          | 23.32      | 33          | PASS    |

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

Note2:

$$\text{SET Span} = 1.5 \times \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$

$$\text{SET VBW} \geq 3 \times \text{RBW}$$

$$\text{SET Sweep time} = \text{auto-couple.}$$

Detector:RMS

## 2Appendix\_B: Peak-to-Average Ratio

### Part I - Test Results

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND41             | LTE/TM1   | 5                    | LCH          | RB1#0   | 5.92         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.31         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.42         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.35         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.37         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.71         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.05         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.41         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.62         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.39         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.39         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.51         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.41         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.43         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.78         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.73         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.5          | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.68         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.51         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#13 | 5.4          | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.91         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.3          | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.97         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.09         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.84         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.76         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.77         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.75         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 5.91         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.92         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.88         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.74         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.79         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.68         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.95         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.98         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.27         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.86         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.5          | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.02         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.84         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.35         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.21         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.35         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.27         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.36         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.64         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#50  | 4.62         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.88         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.12         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.96         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.66         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.09         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.8          | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.55         | 13         | PASS    |
|                    | LTE/TM2   | 5                    | LCH          | RB1#0   | 5.89         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.34         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.2          | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.42         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.34         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.95         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.94         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 7.4          | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.76         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.84         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.99         | 13         | PASS    |
|                    |           | 10                   | HCH          | RB1#0   | 5.66         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.89         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.37         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 7.1          | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.32         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.41         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 7.02         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.74         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.48         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.38         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#25 | 6.66         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.76         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.08         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.09         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.29         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.35         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.37         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.89         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.44         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.28         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.23         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.1          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.51         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 6.03         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.25         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.25         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.56         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 6.64         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 6.68         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.68         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 6.15         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.92         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.95         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.69         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 6.67         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 6.75         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.9          | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.43         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.68         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 6.44         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 6.45         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.62         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.56         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#99  | 6.11         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.86         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 7            | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 7.06         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 7.16         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.43         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.21         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.53         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.74         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.72         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.81         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.79         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.78         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.66         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.65         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.3          | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.66         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

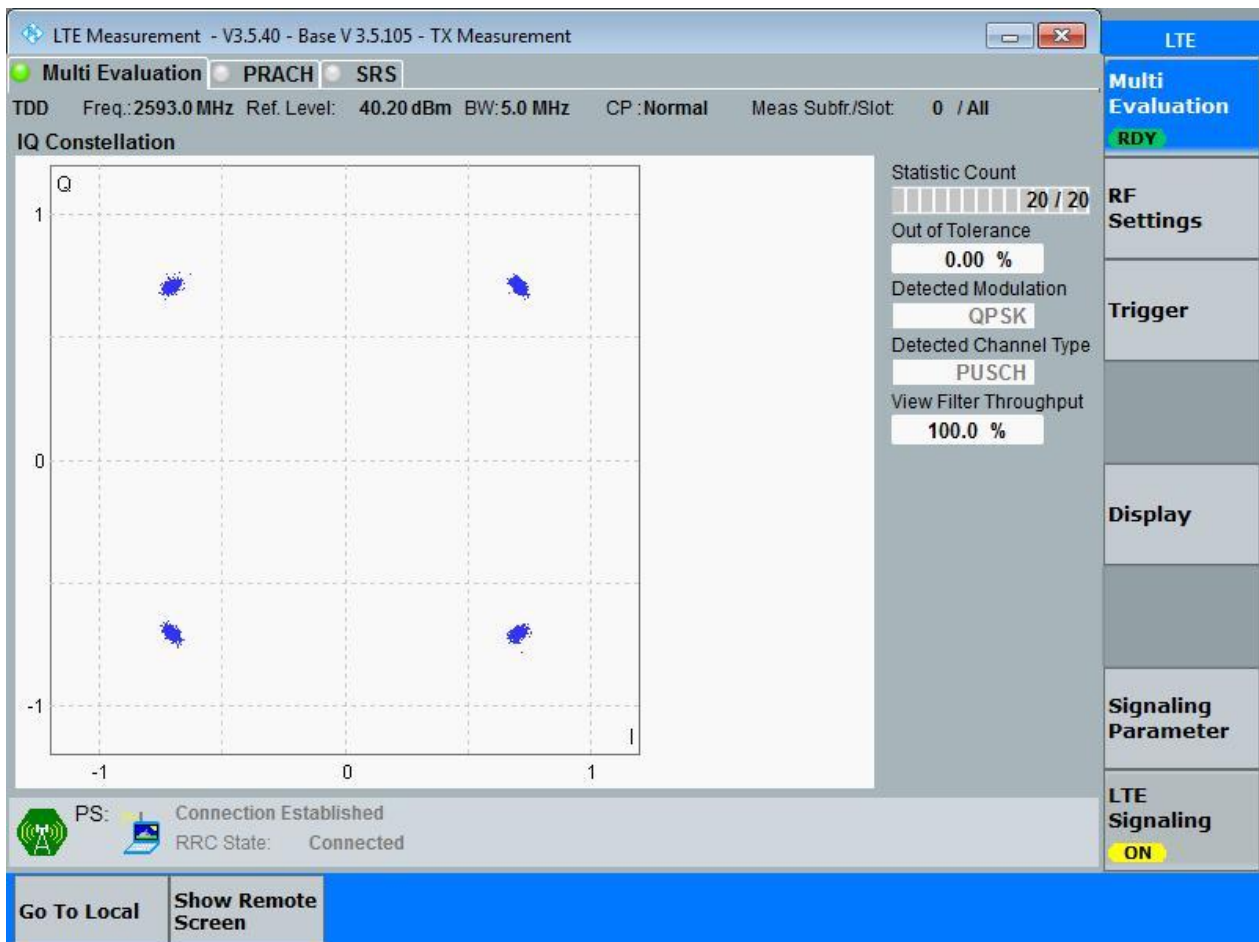
##### 3.1.1 Test Band = BAND41

##### 3.1.1.1 Test Mode = LTE/TM1

##### 3.1.1.1.1 Test Bandwidth = 5

##### 3.1.1.1.1.1 Test Channel = MCH

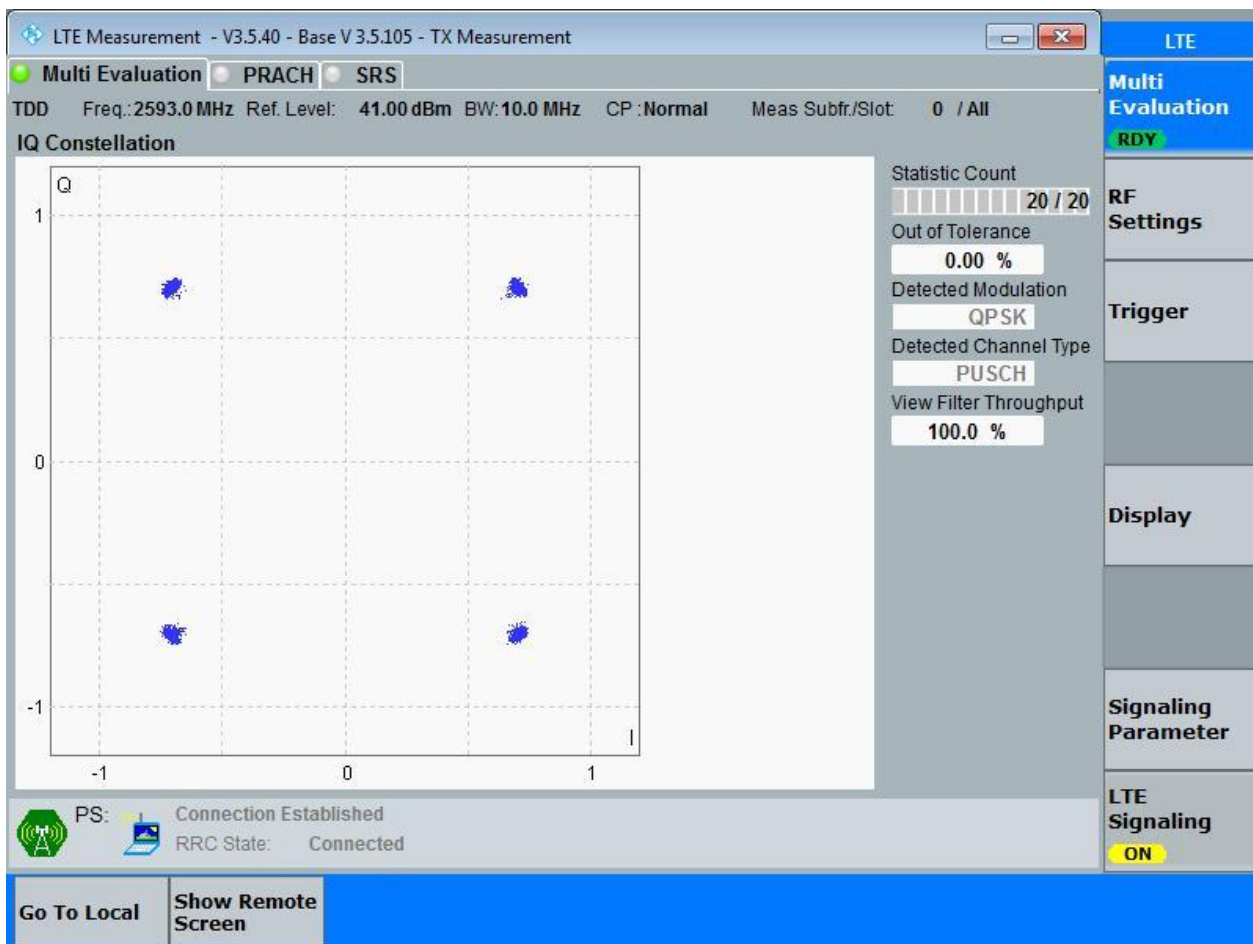
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 3.1.1.1.2 Test Bandwidth = 10

#### 3.1.1.1.2.1 Test Channel = MCH

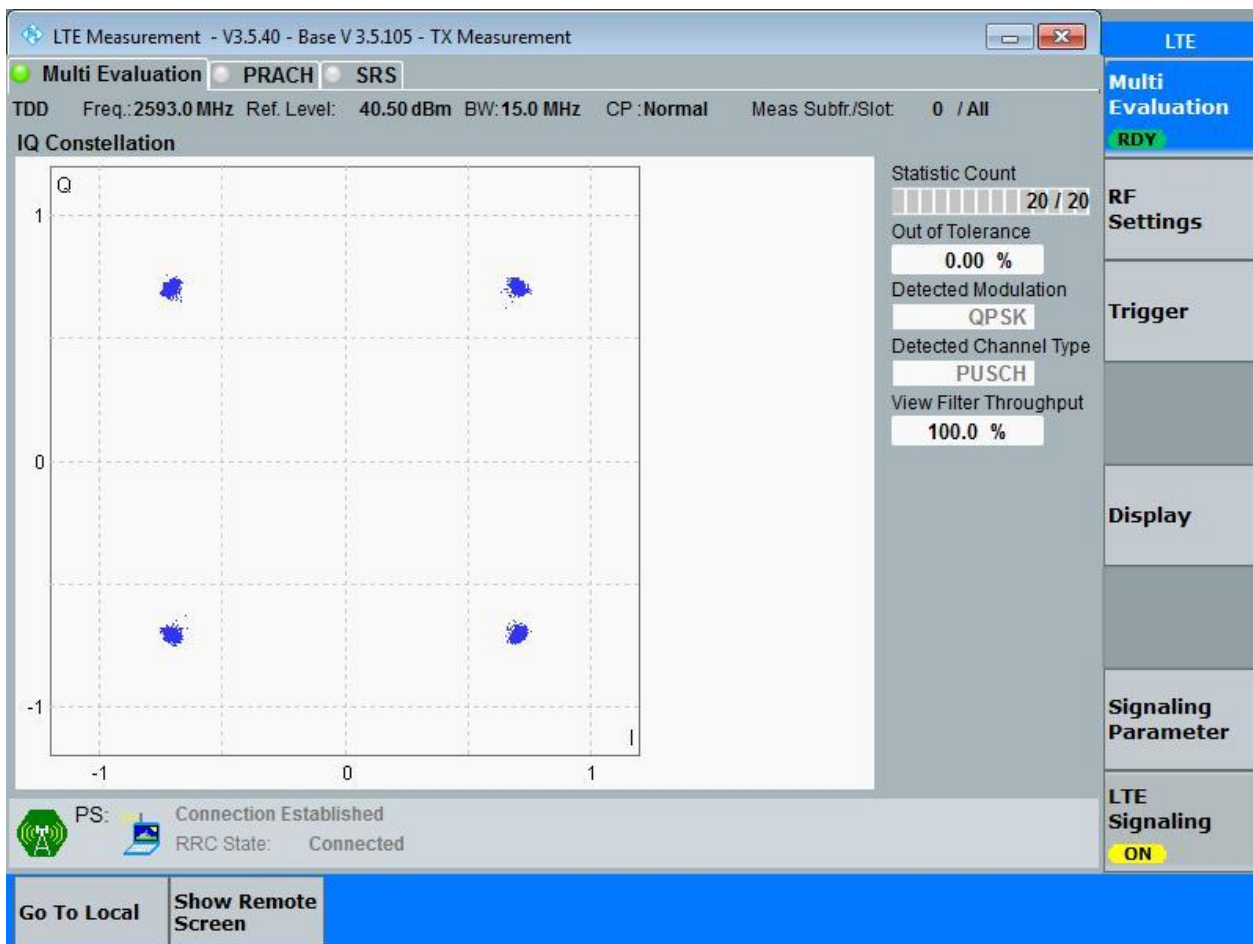
##### 3.1.1.1.2.1.1 Test RB = RB50#0



### 3.1.1.1.3 Test Bandwidth = 15

#### 3.1.1.1.3.1 Test Channel = MCH

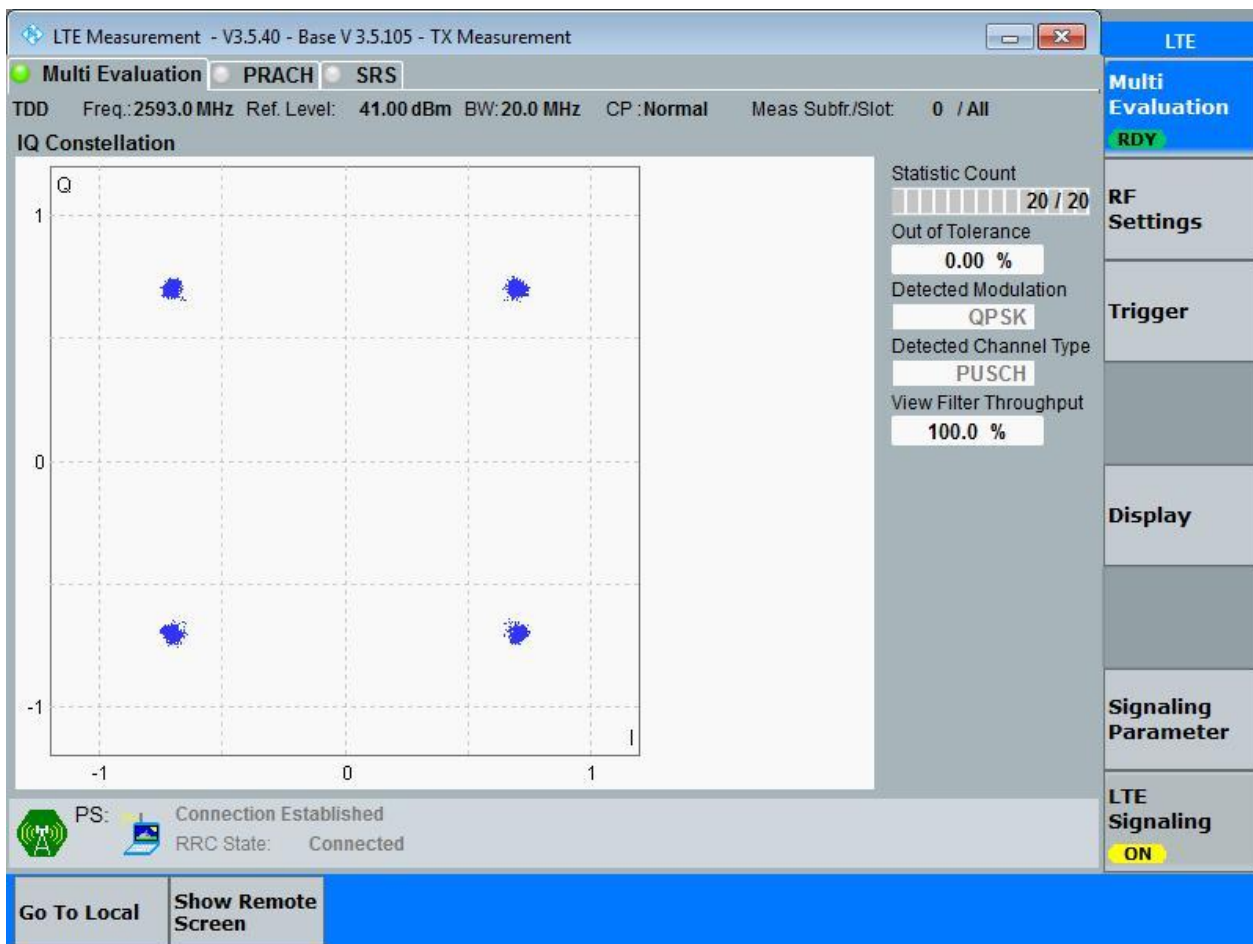
##### 3.1.1.1.3.1.1 Test RB = RB75#0



### 3.1.1.1.4 Test Bandwidth = 20

#### 3.1.1.1.4.1 Test Channel = MCH

##### 3.1.1.1.4.1.1 Test RB = RB100#0

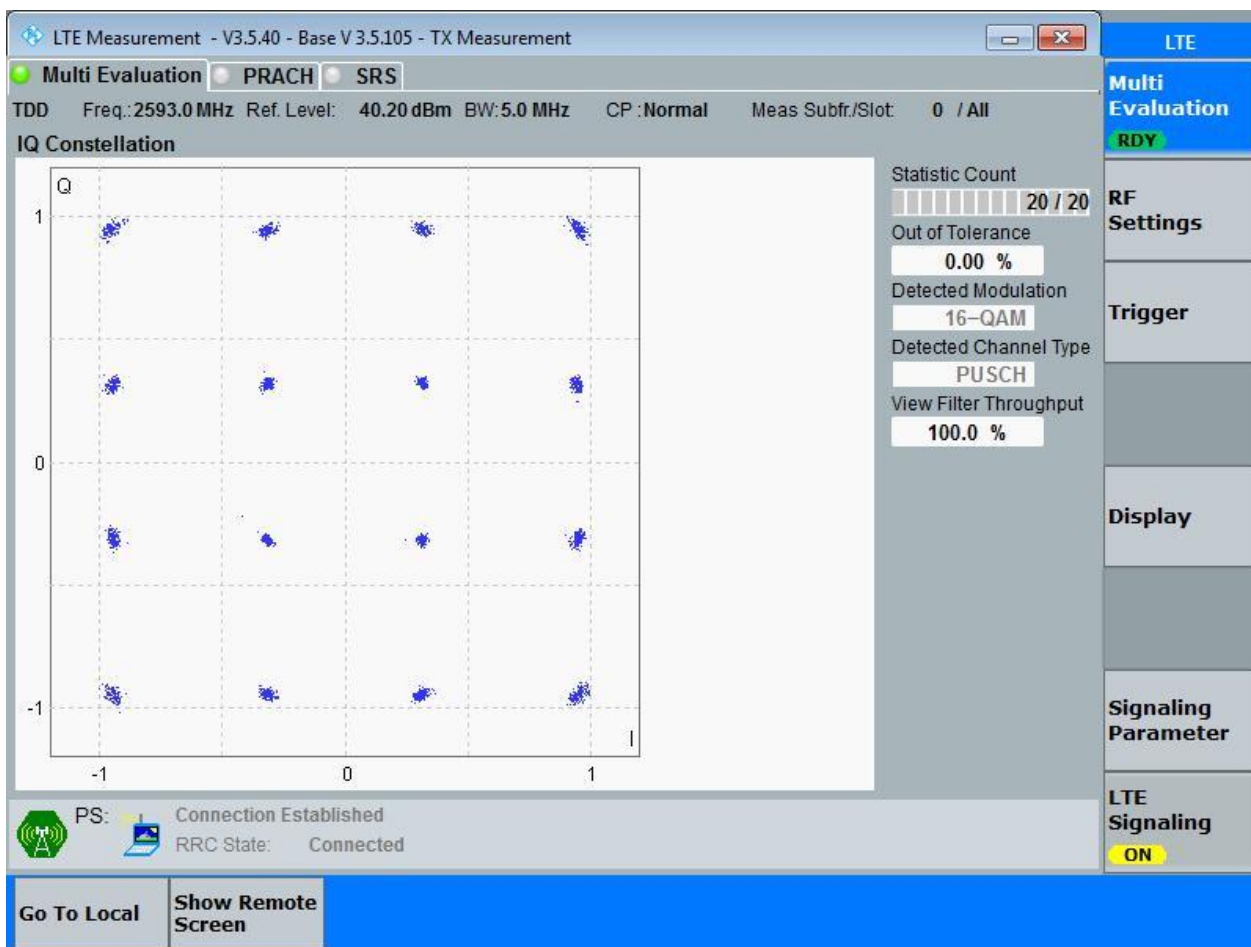


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5

##### 3.1.1.2.1.1 Test Channel = MCH

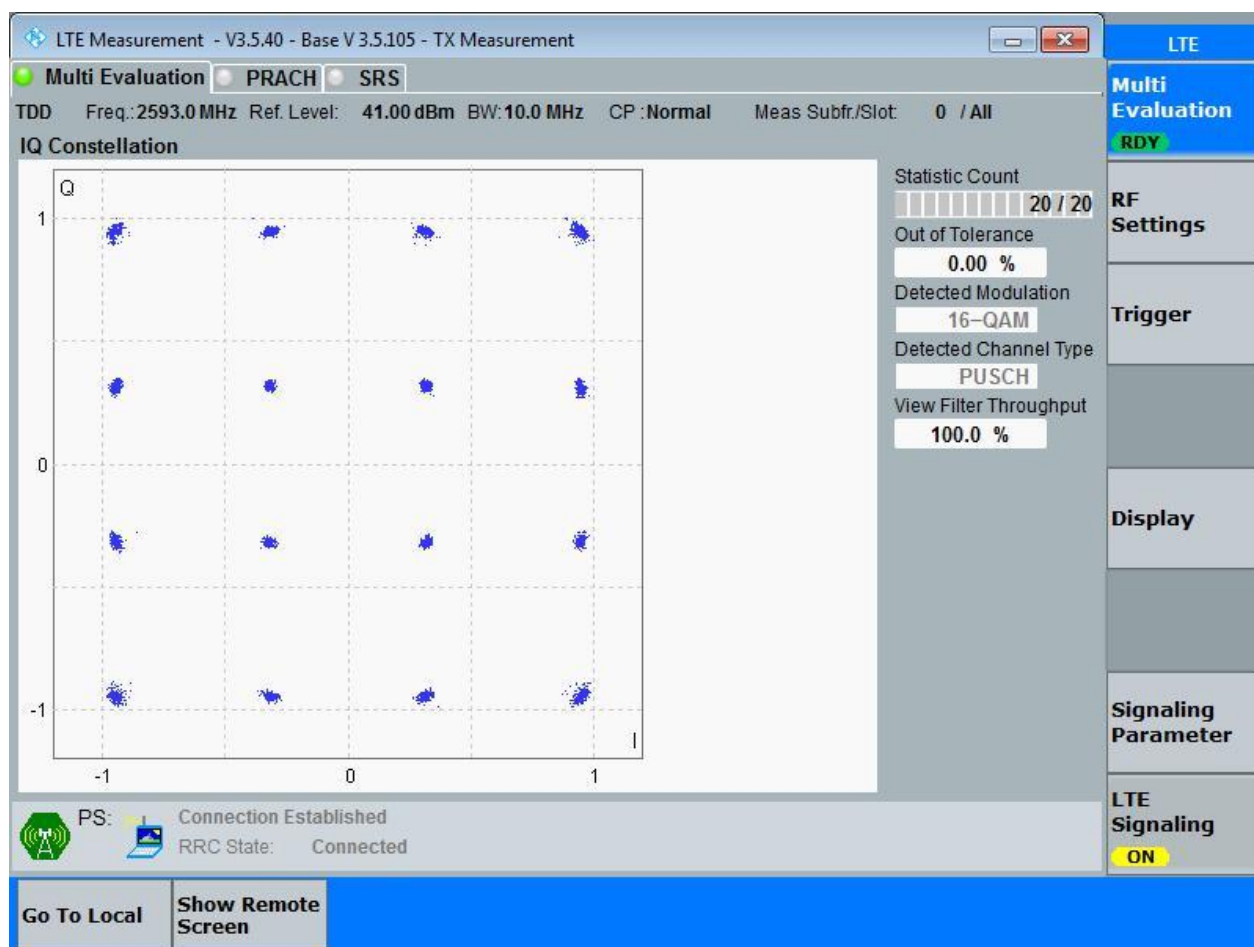
##### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.2 Test Bandwidth = 10

#### 3.1.1.2.2.1 Test Channel = MCH

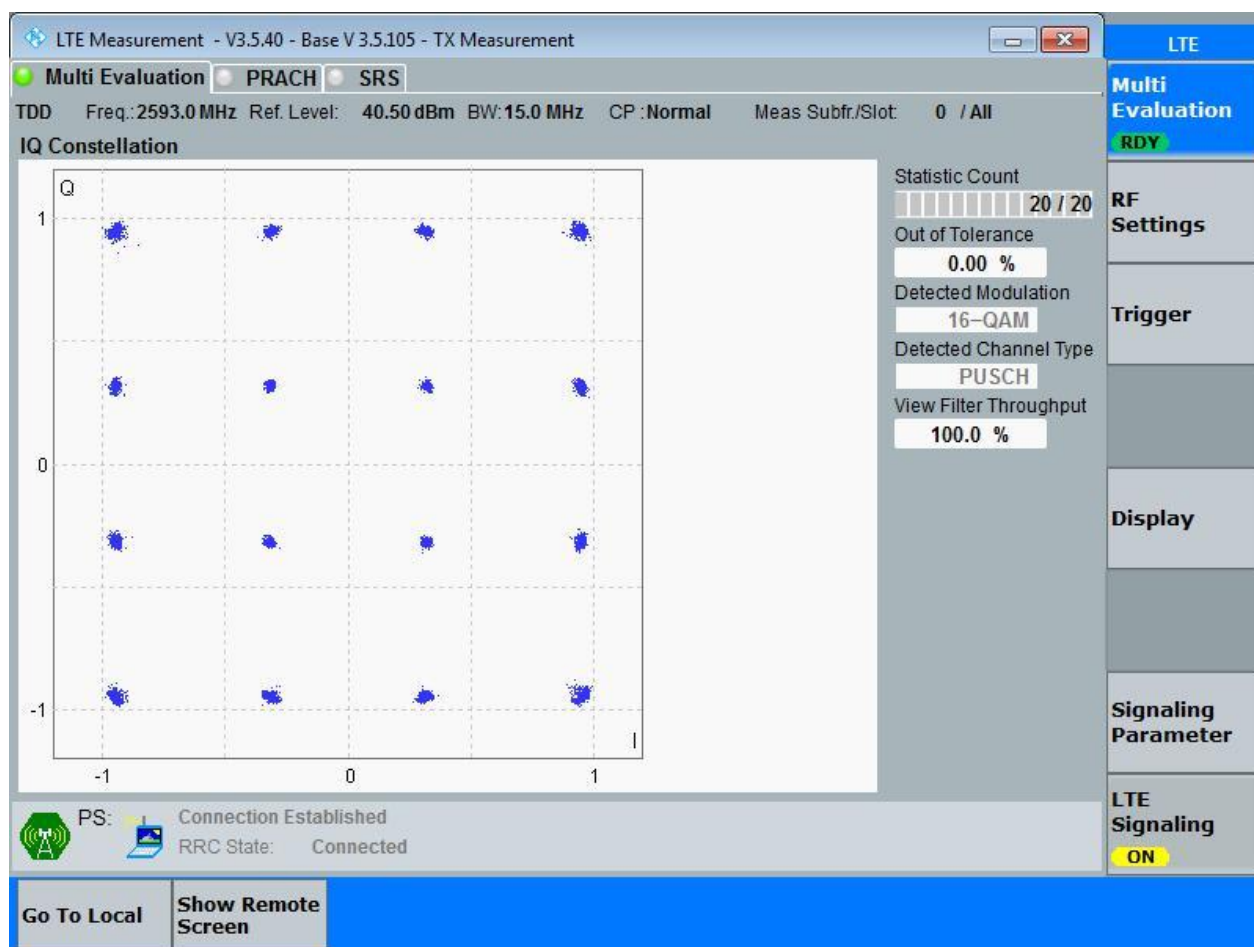
##### 3.1.1.2.2.1.1 Test RB = RB50#0



### 3.1.1.2.3 Test Bandwidth = 15

#### 3.1.1.2.3.1 Test Channel = MCH

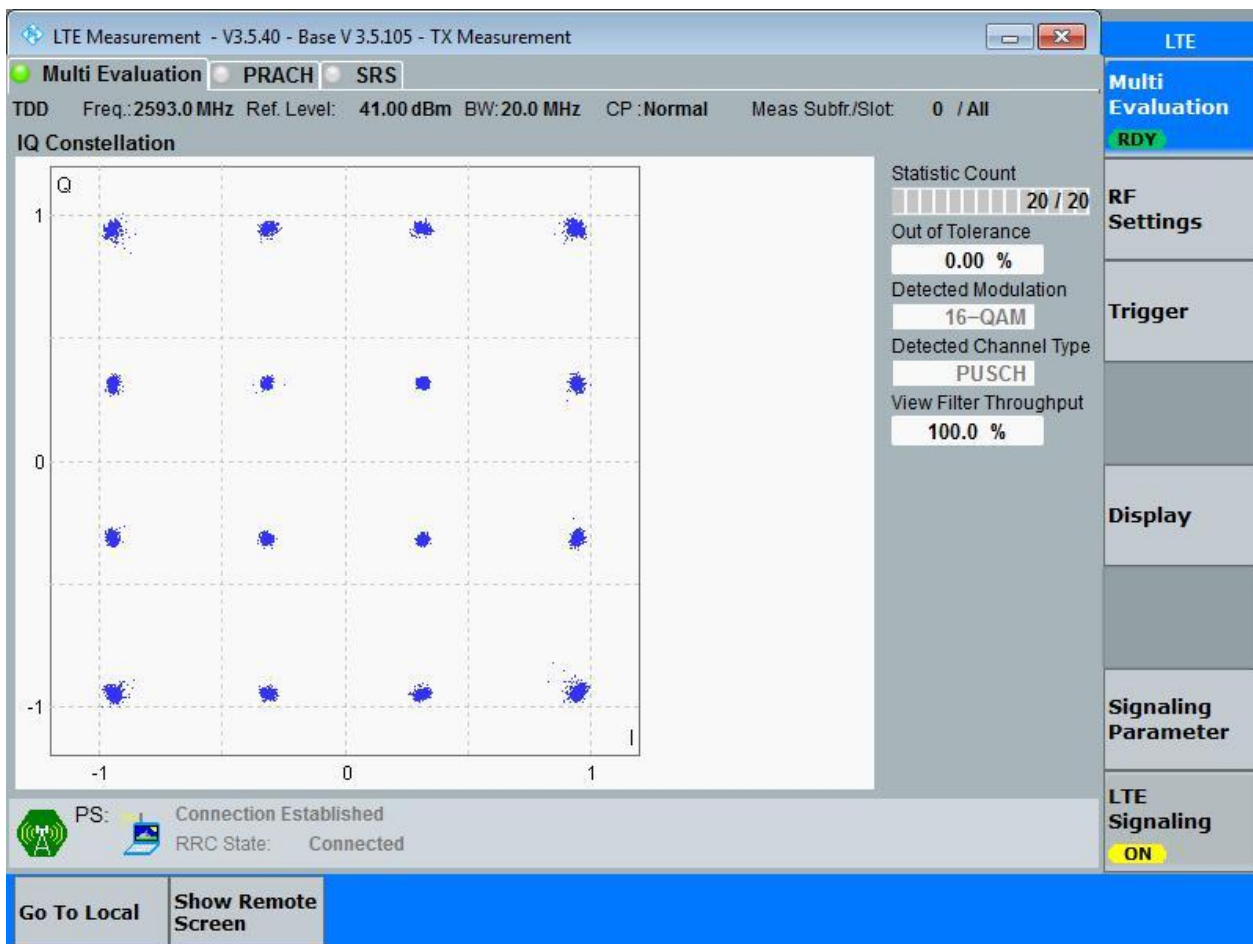
##### 3.1.1.2.3.1.1 Test RB = RB75#0



### 3.1.1.2.4 Test Bandwidth = 20

#### 3.1.1.2.4.1 Test Channel = MCH

##### 3.1.1.2.4.1.1 Test RB = RB100#0



## 4Appendix\_D: Bandwidth

### Part I - Test Results

| Test Band | Test Mode | Test Bandwidth | Test Channel | Test RB | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| BAND41    | LTE/TM1   | 5              | LCH          | RB25#0  | 4.50                     | 4.84                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.49                     | 4.84                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 4.87                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.98                     | 9.58                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.98                     | 9.60                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.99                     | 9.61                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.44                    | 14.26                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.47                    | 14.26                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.48                    | 14.32                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.88                    | 19.01                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.96                    | 19.05                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.96                    | 18.98                    | Pass    |
|           | LTE/TM2   | 5              | LCH          | RB25#0  | 4.49                     | 4.86                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.49                     | 4.86                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.49                     | 4.83                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.97                     | 9.54                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.98                     | 9.58                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.99                     | 9.64                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.46                    | 14.34                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.46                    | 14.28                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.47                    | 14.35                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.93                    | 19.07                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.97                    | 19.07                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.97                    | 19.01                    | Pass    |



## Part II - Test Plots

### 4.1 For LTE

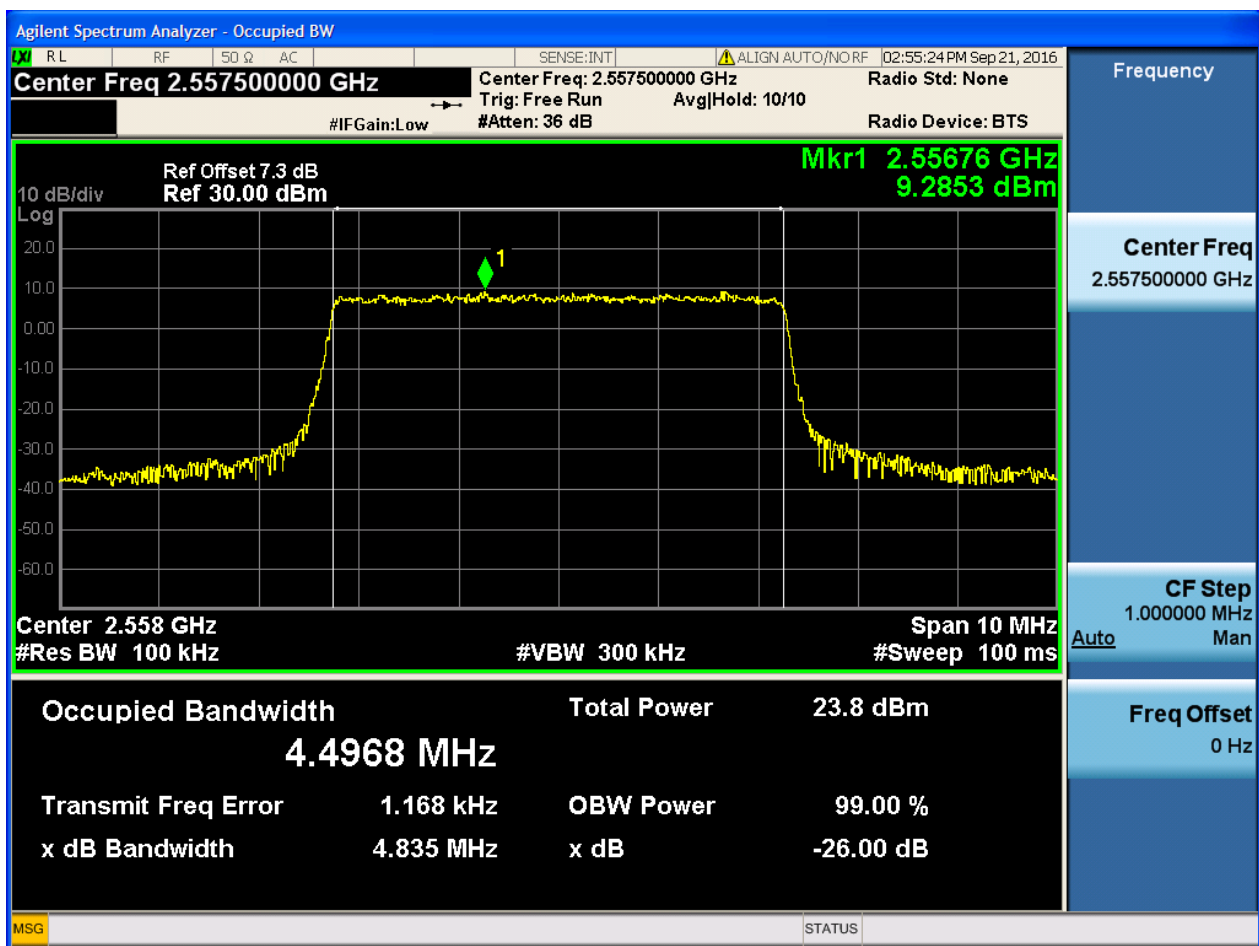
#### 4.1.1 Test Band = BAND41

##### 4.1.1.1 Test Mode = LTE/TM1

##### 4.1.1.1.1 Test Bandwidth = 5

##### 4.1.1.1.1.1 Test Channel = LCH

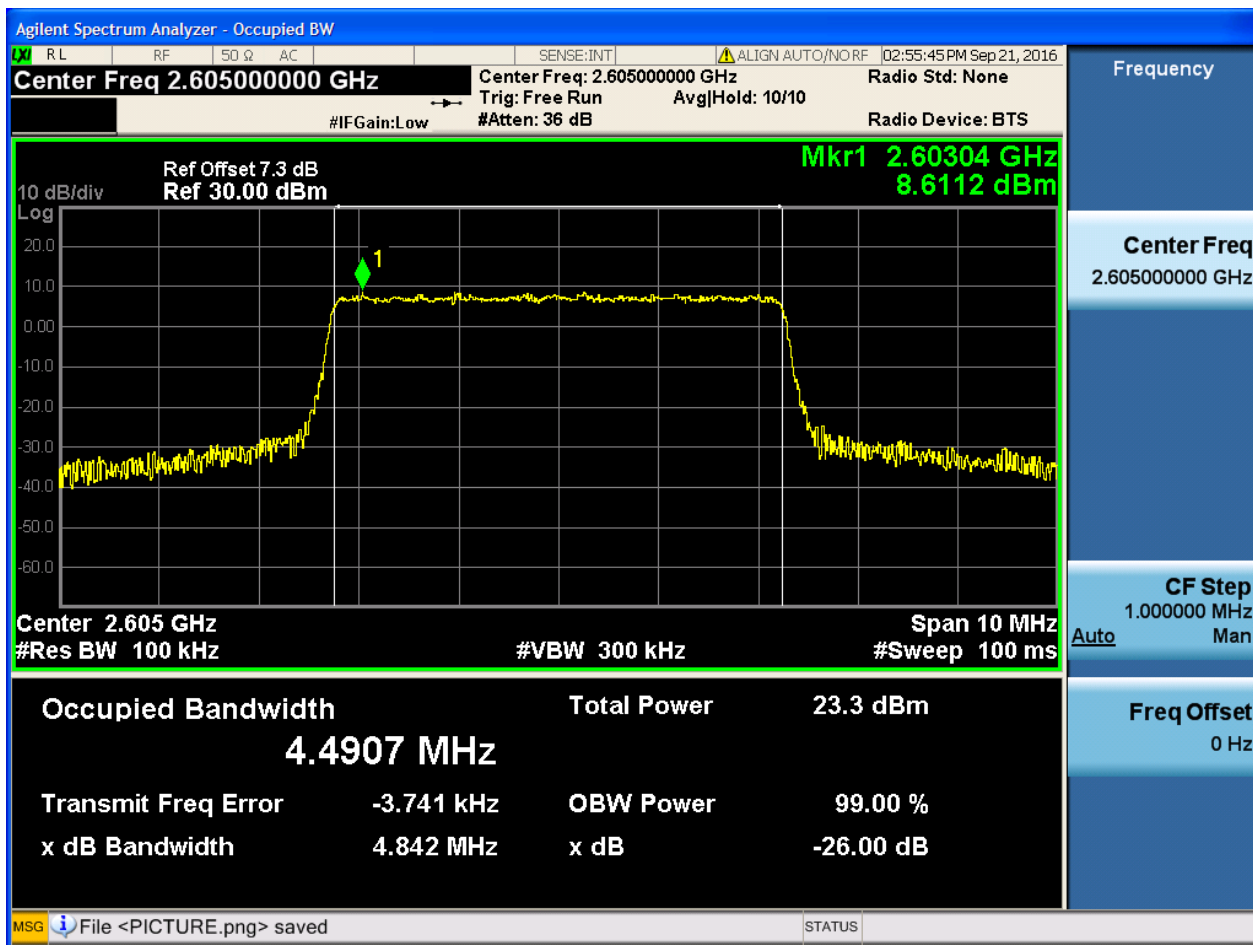
##### 4.1.1.1.1.1.1 Test RB = RB25#0





## 4.1.1.1.1.2 Test Channel = MCH

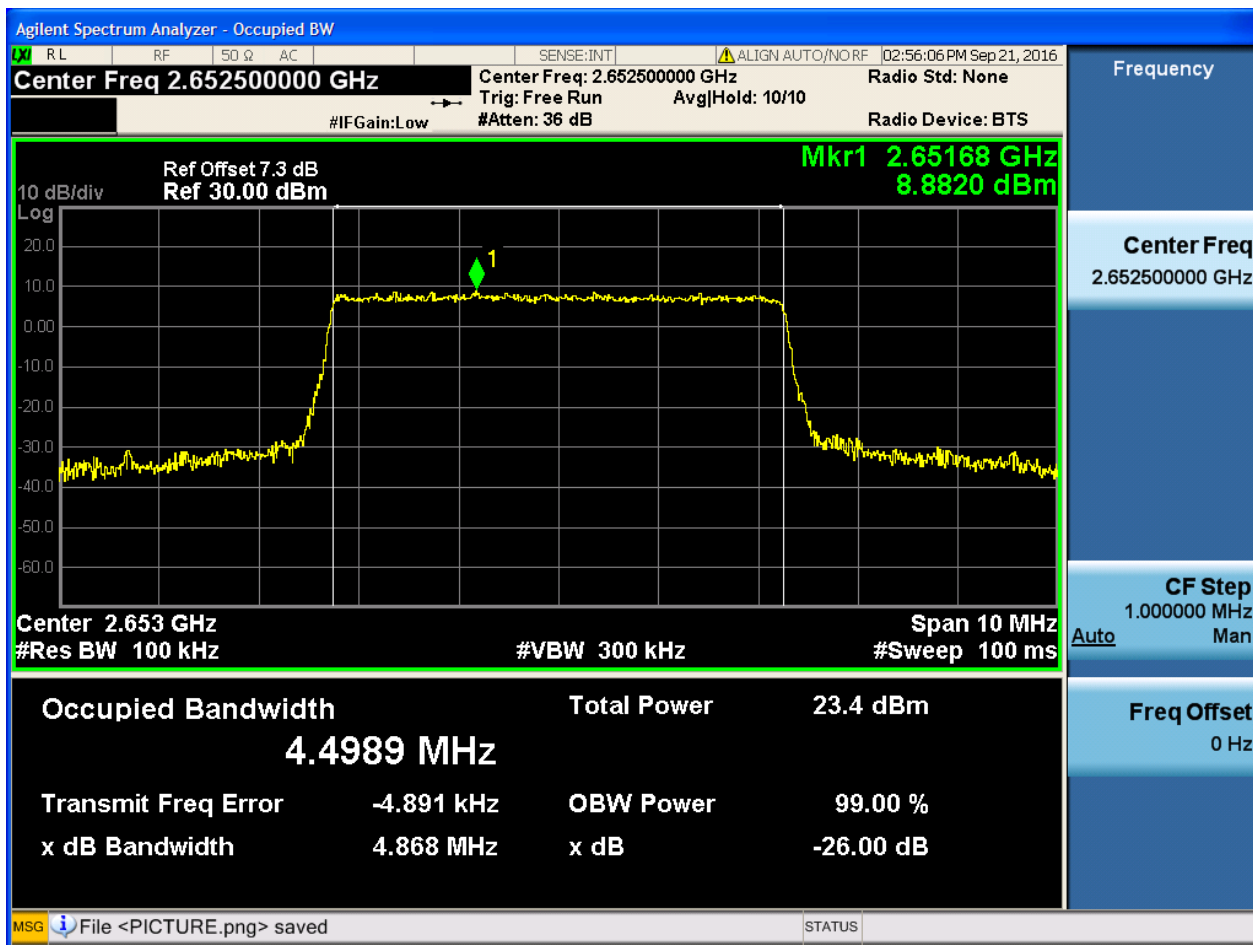
## 4.1.1.1.1.2.1 Test RB = RB25#0





## 4.1.2.1.1.3 Test Channel = HCH

## 4.1.2.1.1.3.1 Test RB = RB25#0

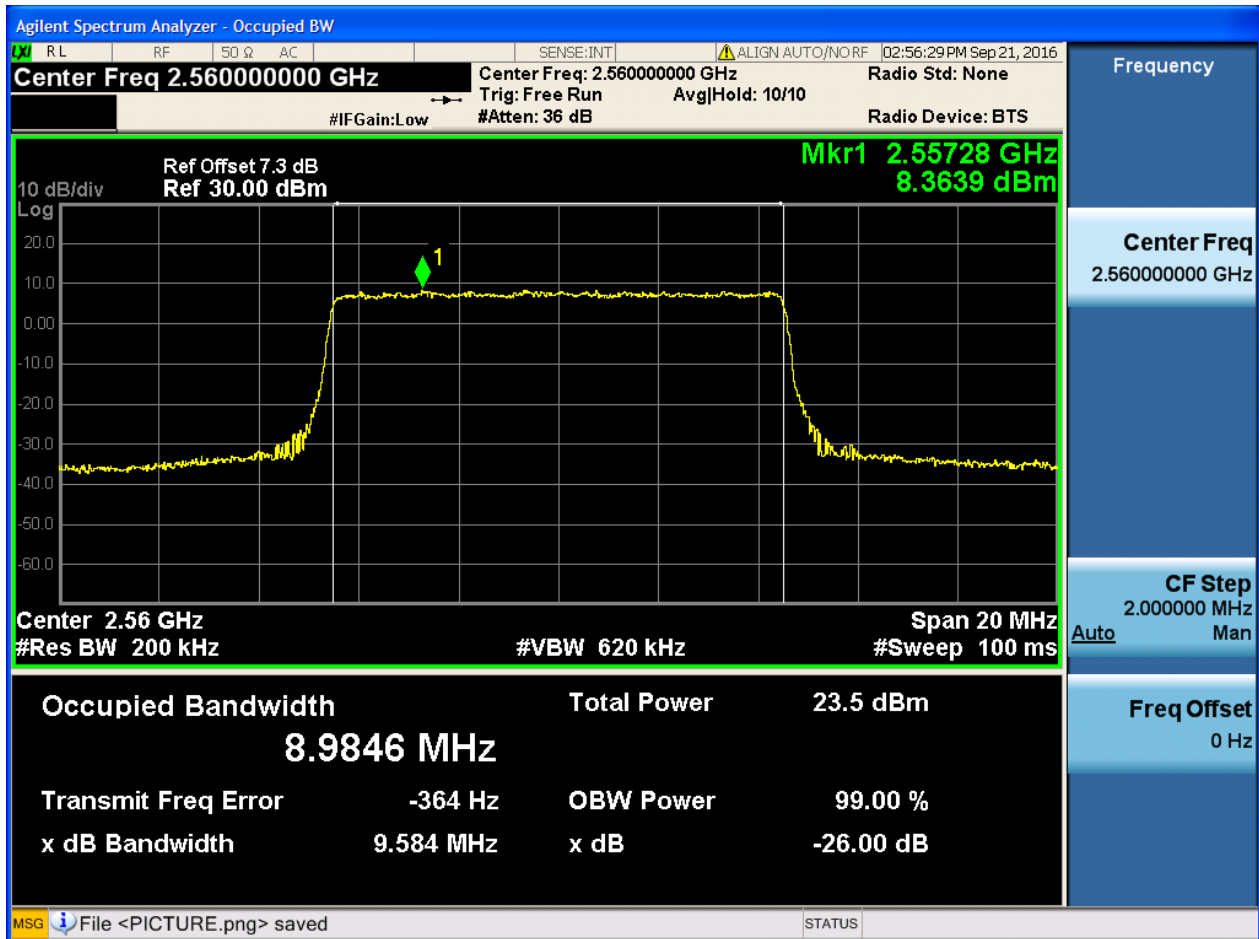




## 4.1.1.1.2 Test Bandwidth = 10

## 4.1.1.1.2.1 Test Channel = LCH

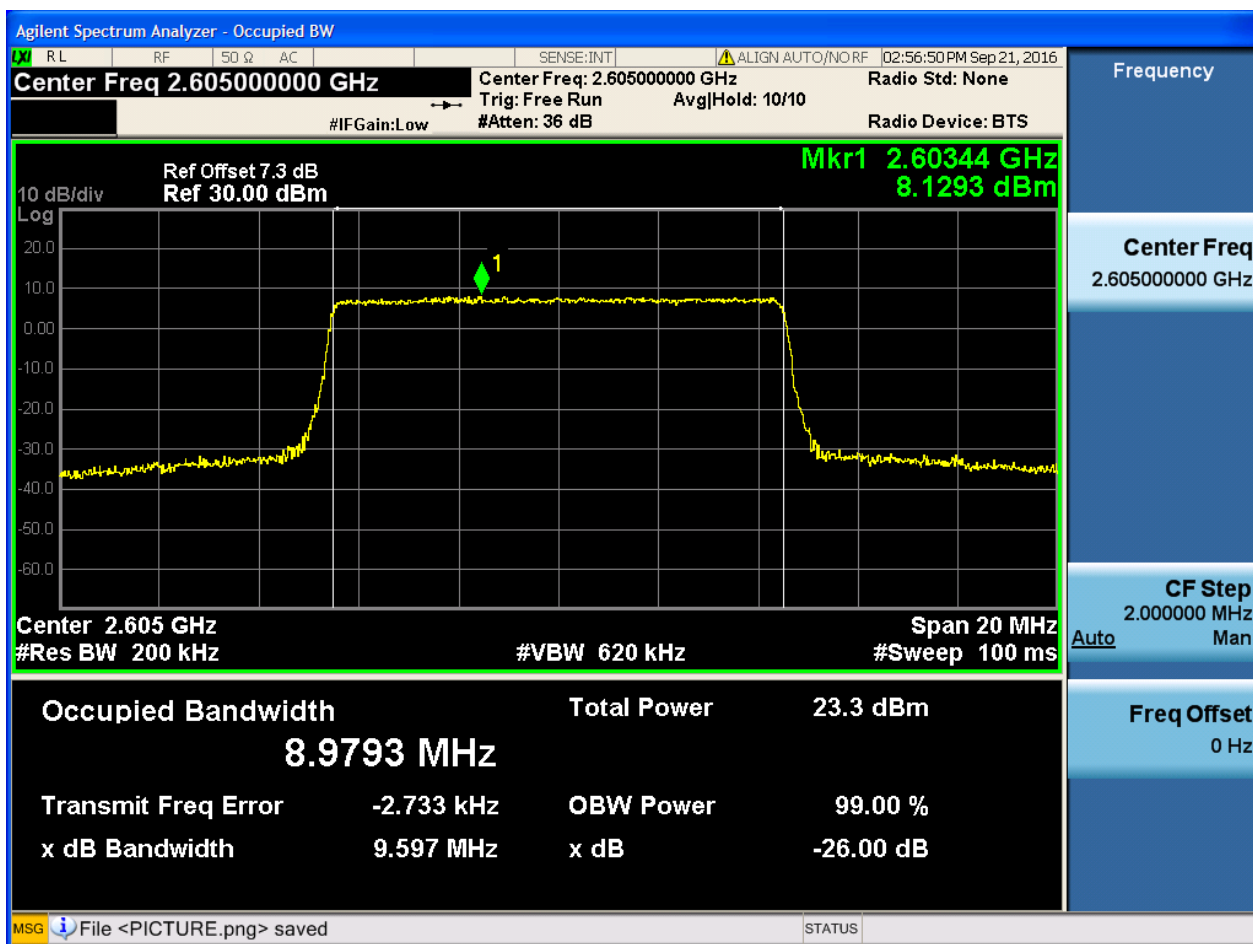
## 4.1.1.1.2.1.1 Test RB = RB50#0





## 4.1.1.1.2.2 Test Channel = MCH

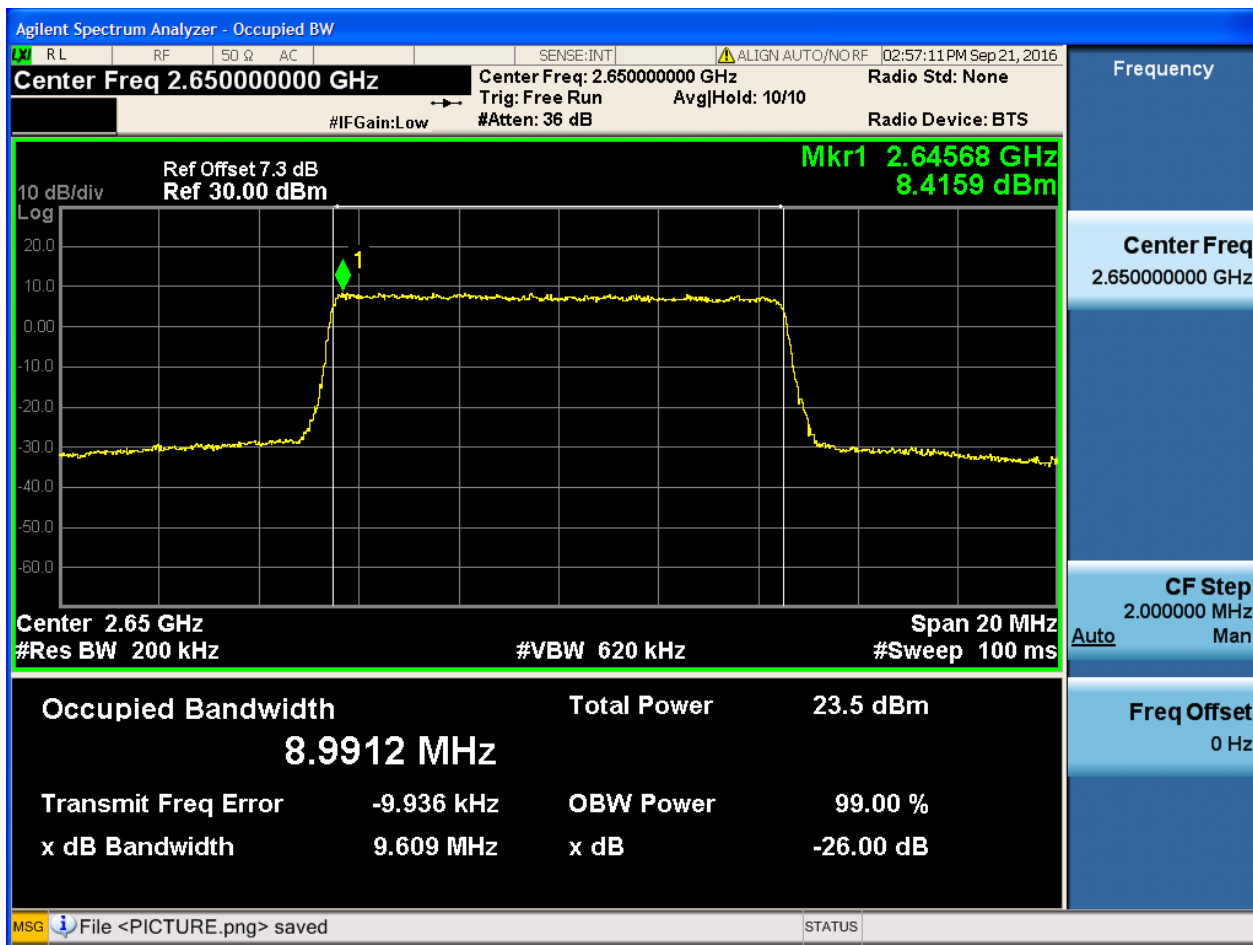
## 4.1.1.1.2.2.1 Test RB = RB50#0





## 4.1.1.1.2.3 Test Channel = HCH

## 4.1.1.1.2.3.1 Test RB = RB50#0

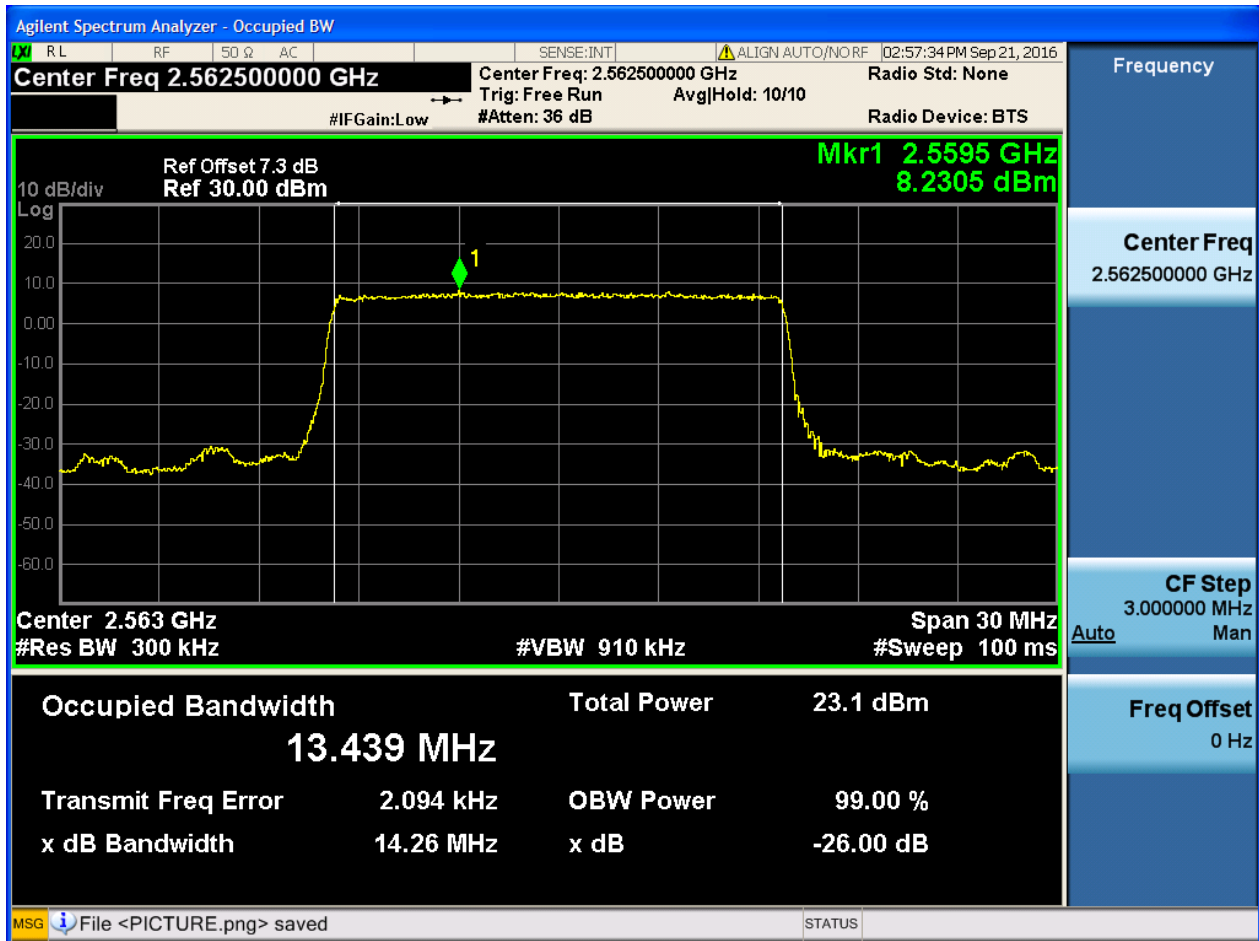




## 4.1.1.1.3 Test Bandwidth = 15

## 4.1.1.1.3.1 Test Channel = LCH

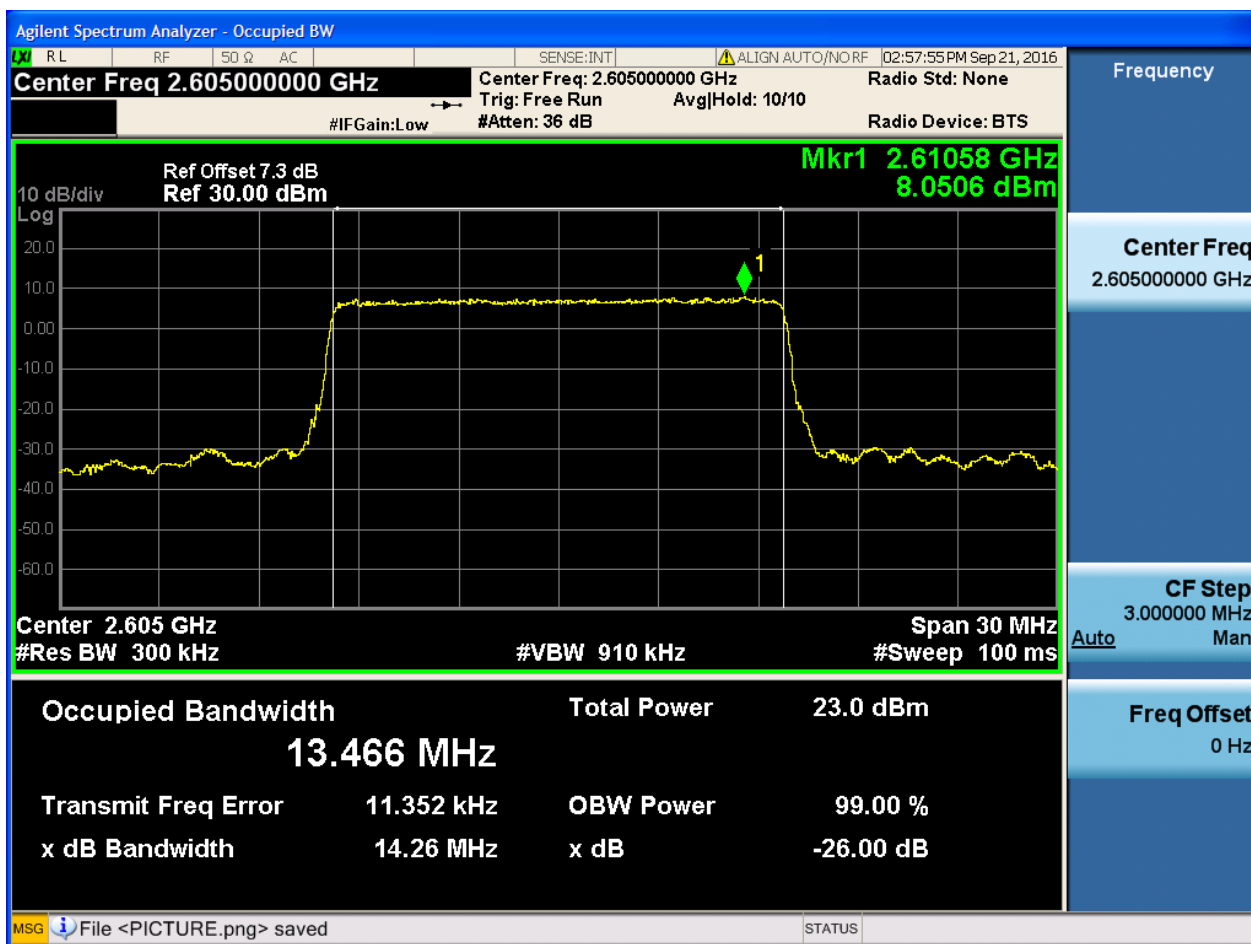
## 4.1.1.1.3.1.1 Test RB = RB75#0





## 4.1.1.1.3.2 Test Channel = MCH

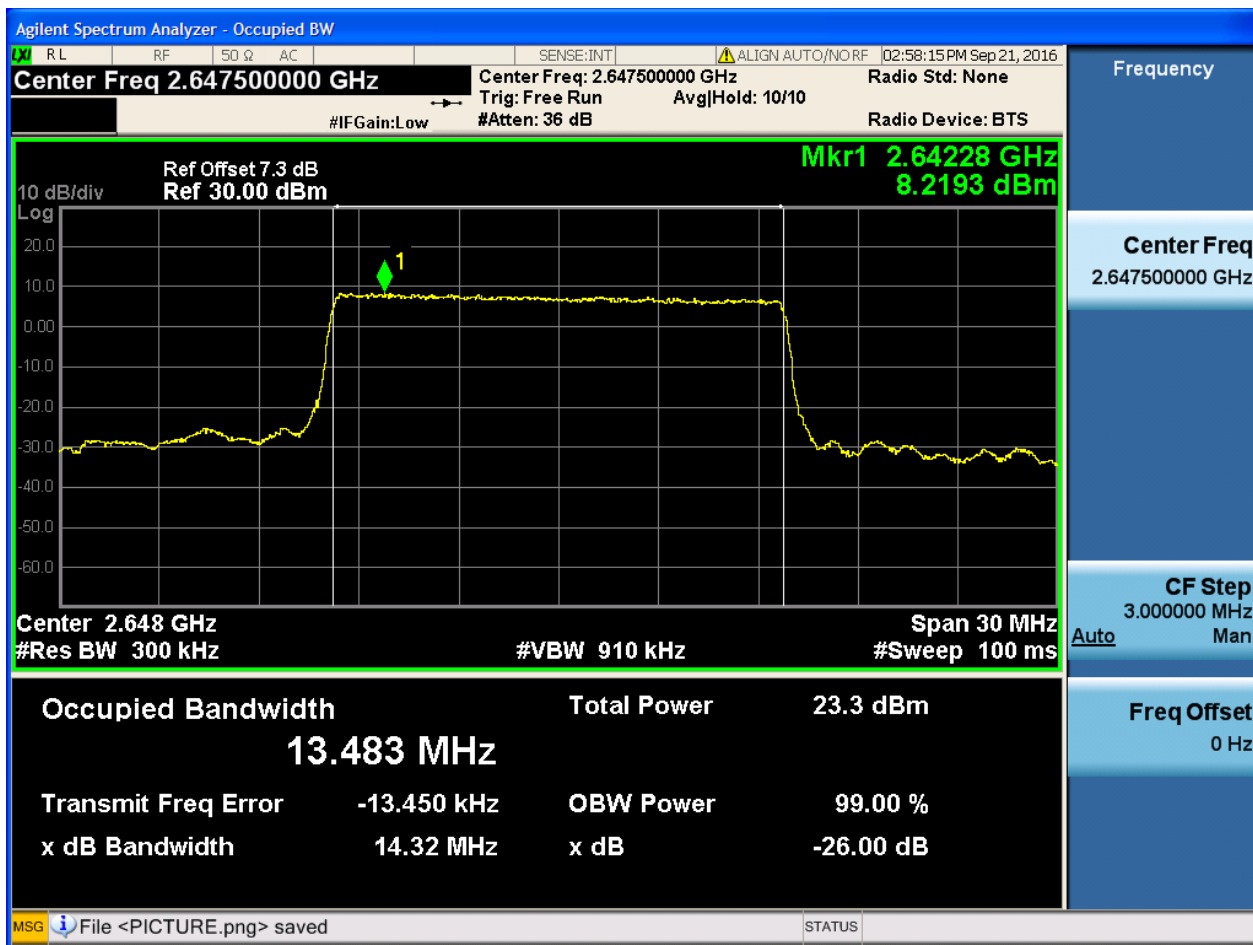
## 4.1.1.1.3.2.1 Test RB = RB75#0





## 4.1.1.1.3.3 Test Channel = HCH

## 4.1.1.1.3.3.1 Test RB = RB75#0

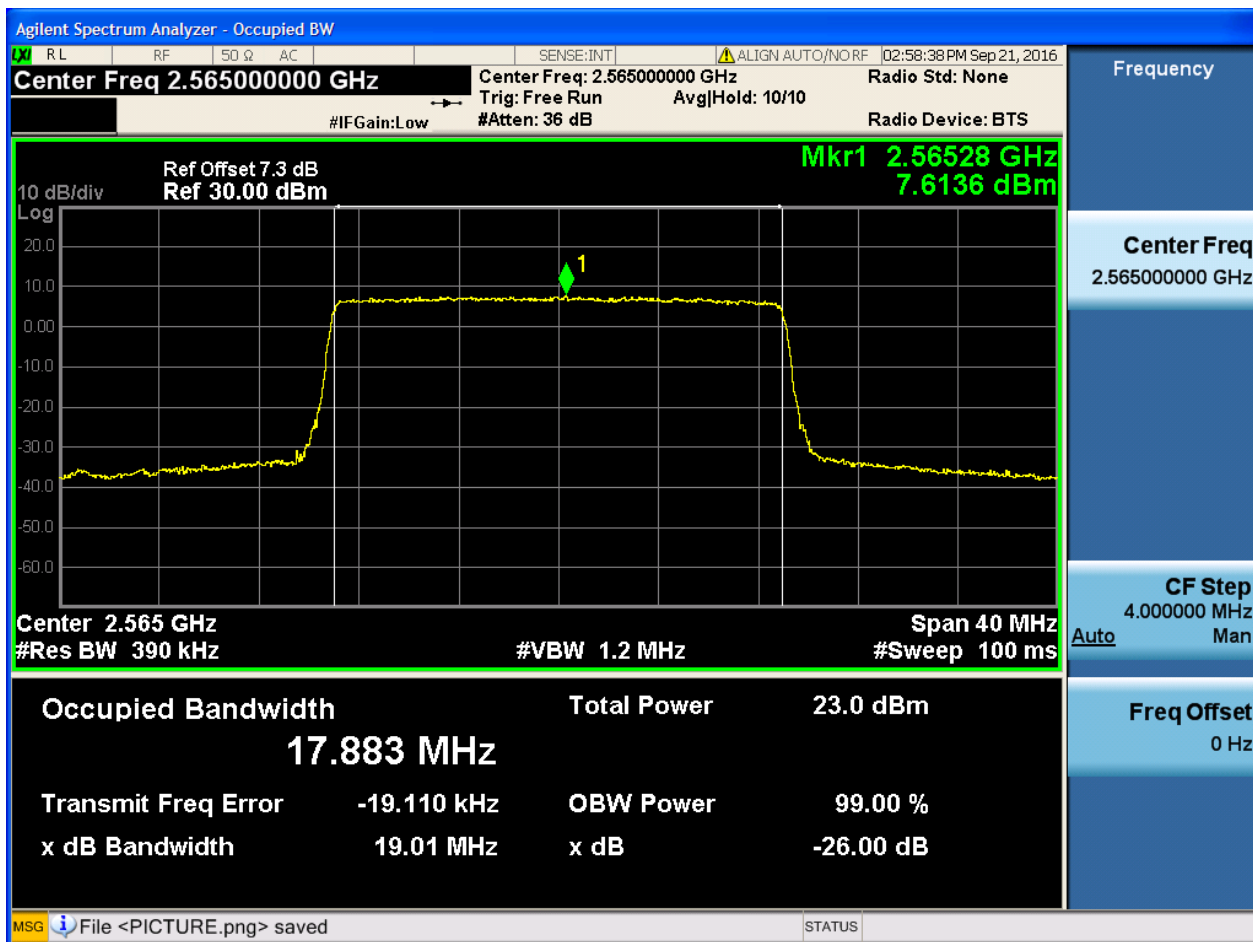




## 4.1.1.1.4 Test Bandwidth = 20

## 4.1.1.1.4.1 Test Channel = LCH

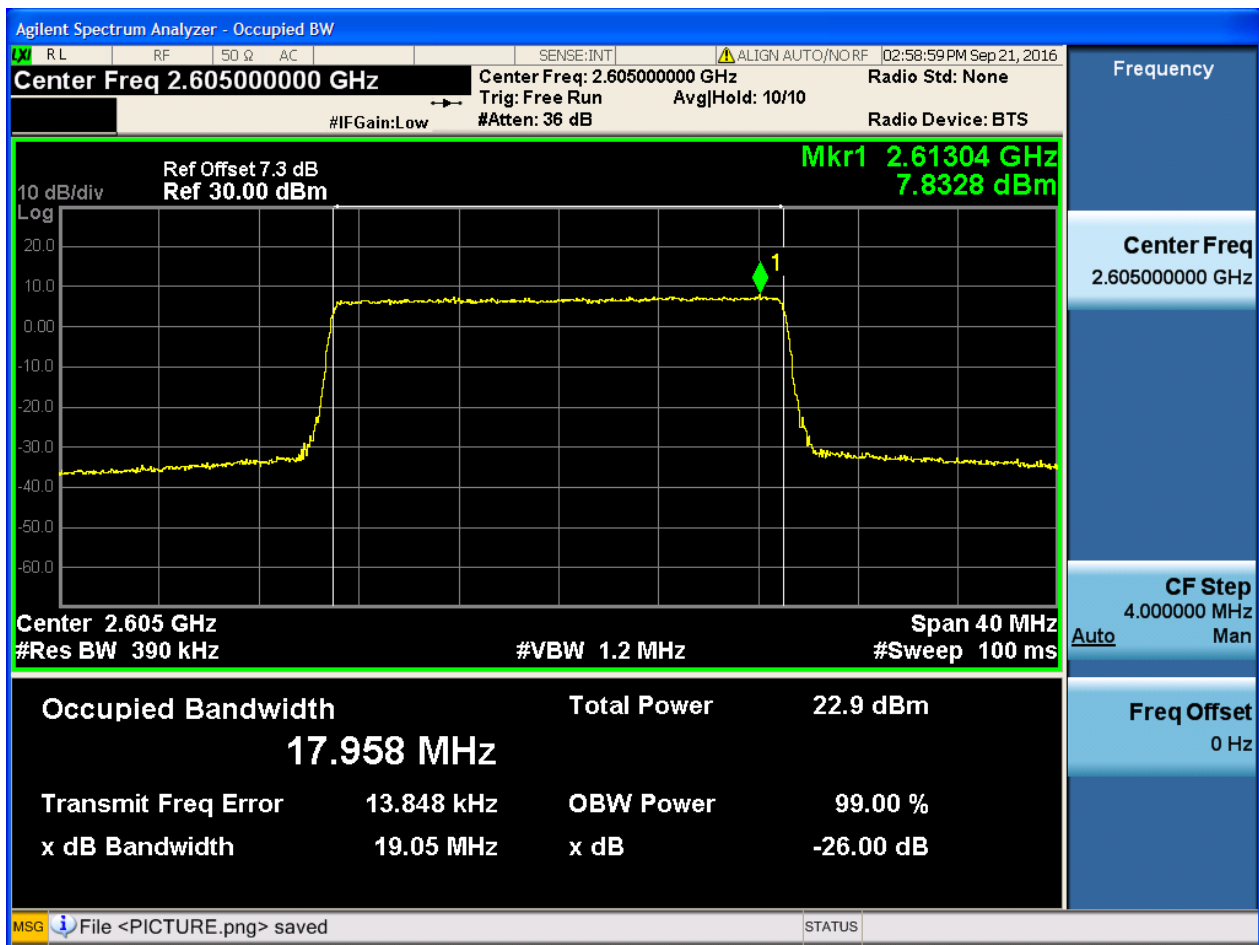
## 4.1.1.1.4.1.1 Test RB = RB100#0





## 4.1.1.1.4.2 Test Channel = MCH

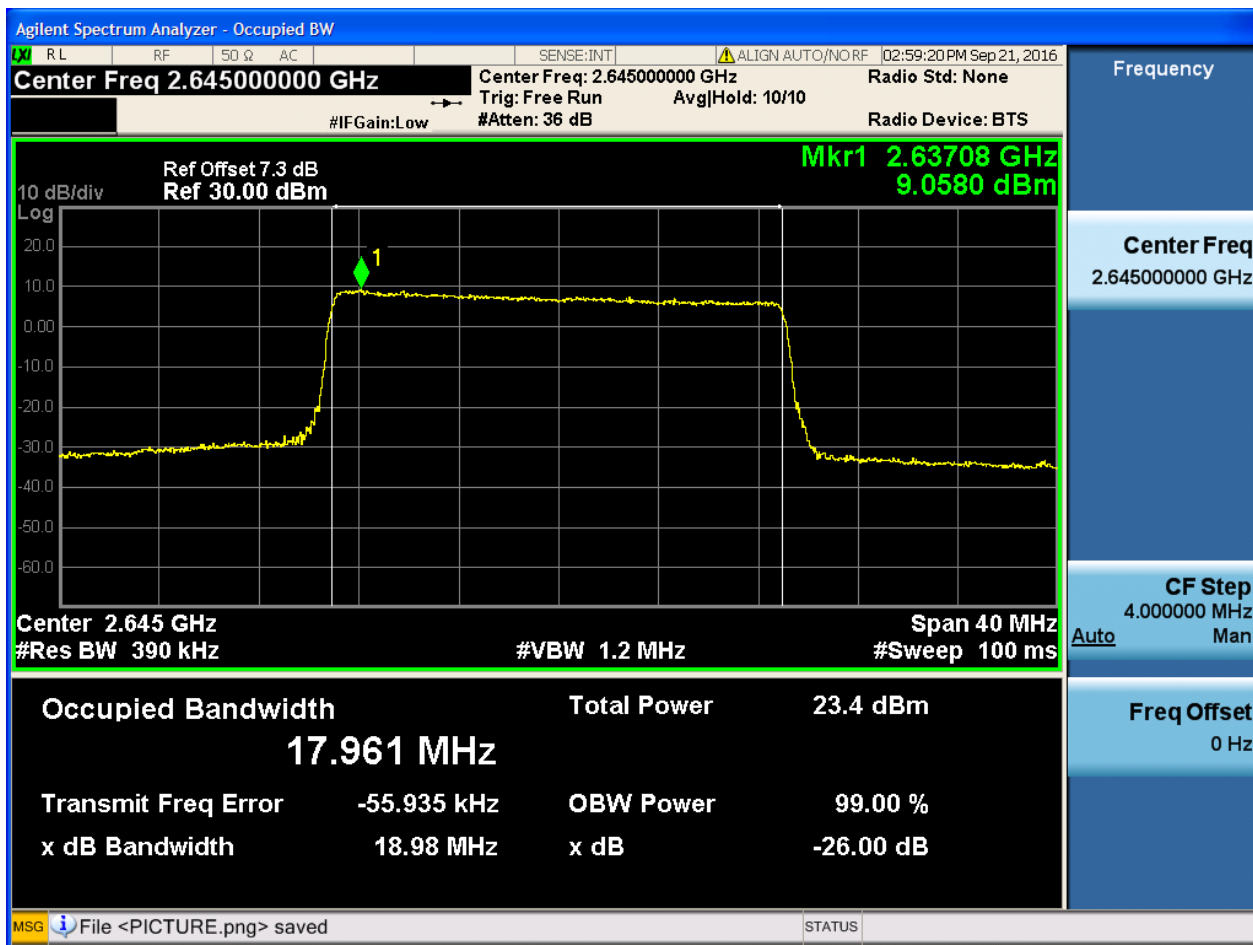
## 4.1.1.1.4.2.1 Test RB = RB100#0





## 4.1.1.1.4.3 Test Channel = HCH

## 4.1.1.1.4.3.1 Test RB = RB100#0



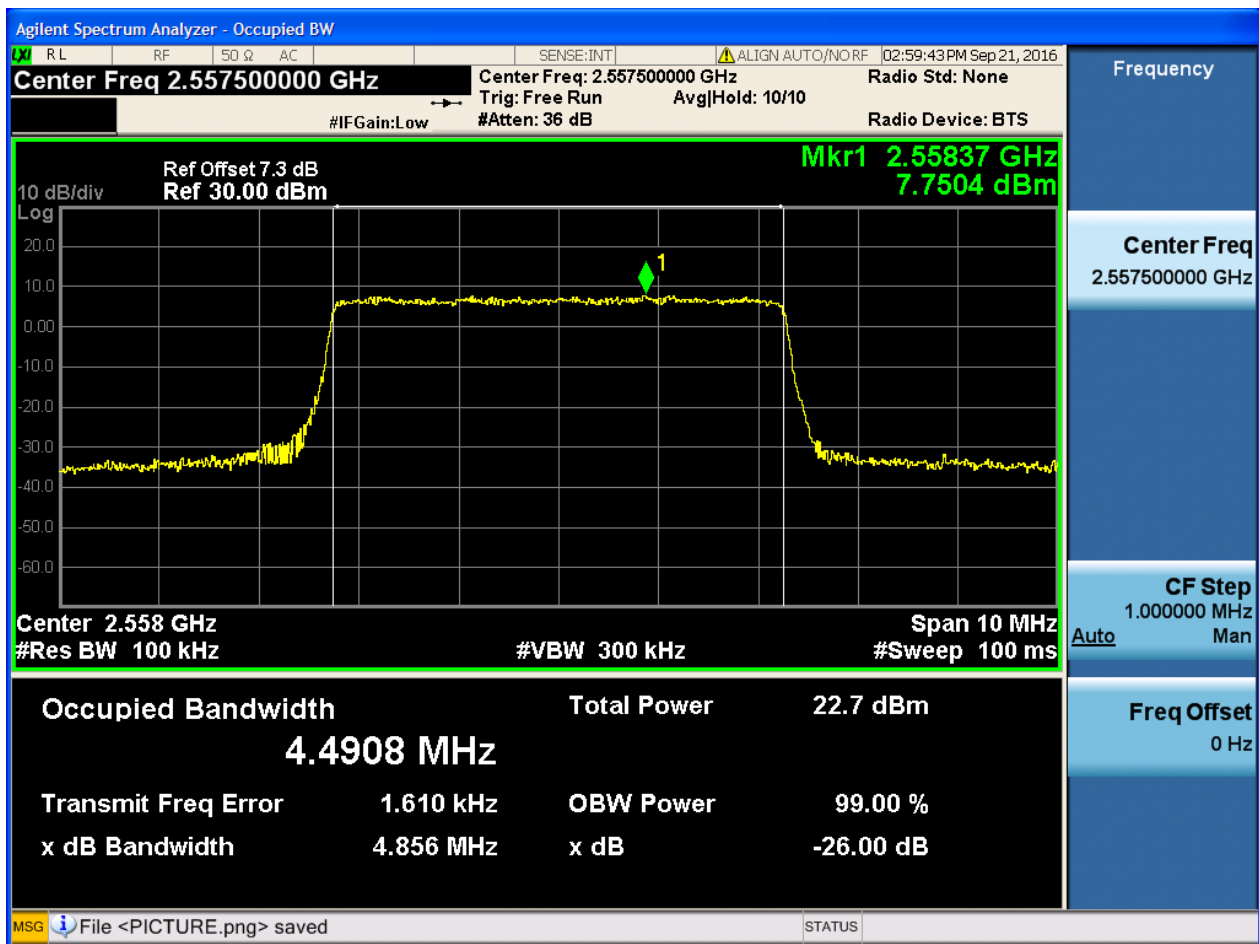


## 4.1.1.2 Test Mode = LTE/TM2

## 4.1.1.2.1 Test Bandwidth = 5

## 4.1.1.2.1.1 Test Channel = LCH

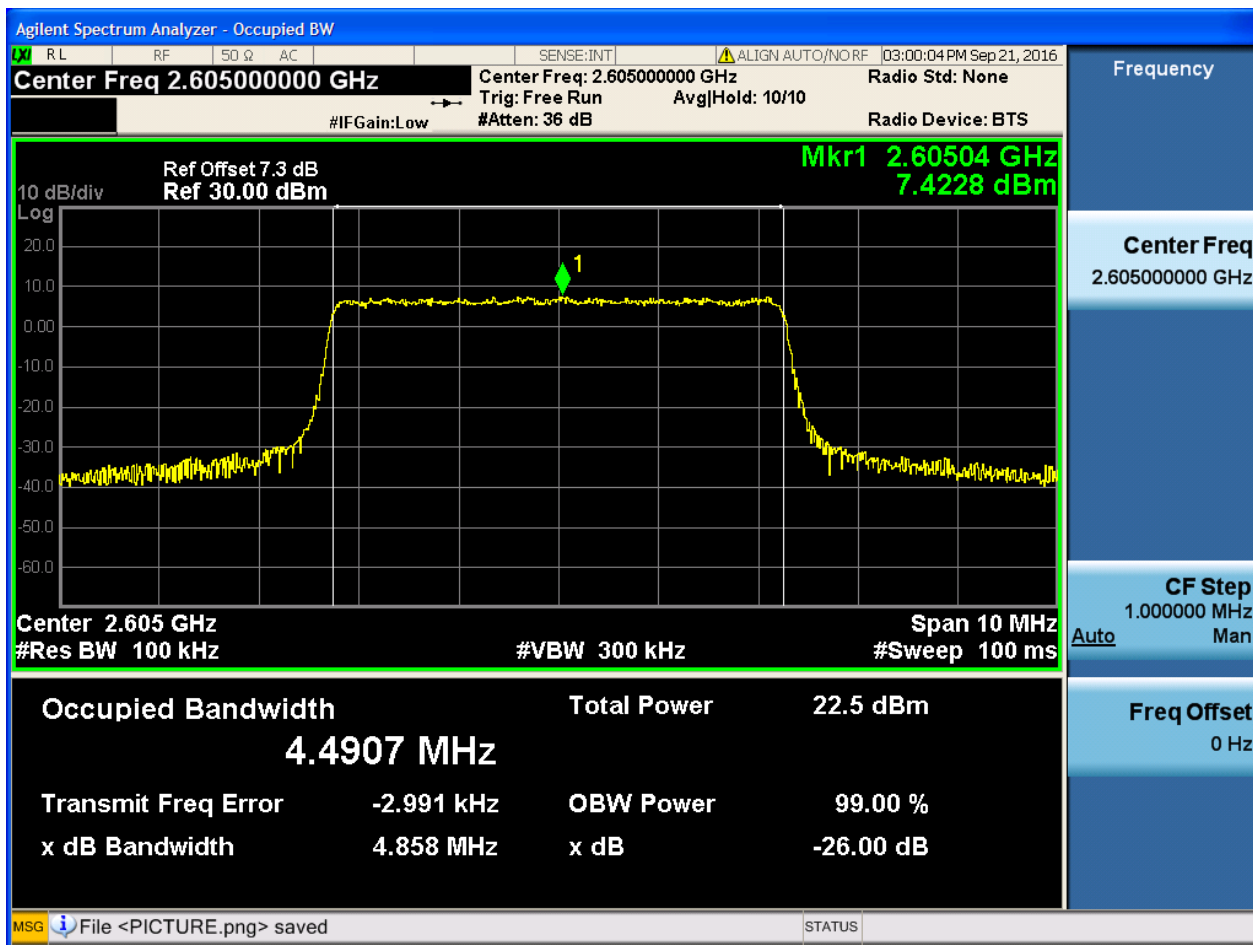
## 4.1.1.2.1.1.1 Test RB = RB25#0





## 4.1.1.2.1.2 Test Channel = MCH

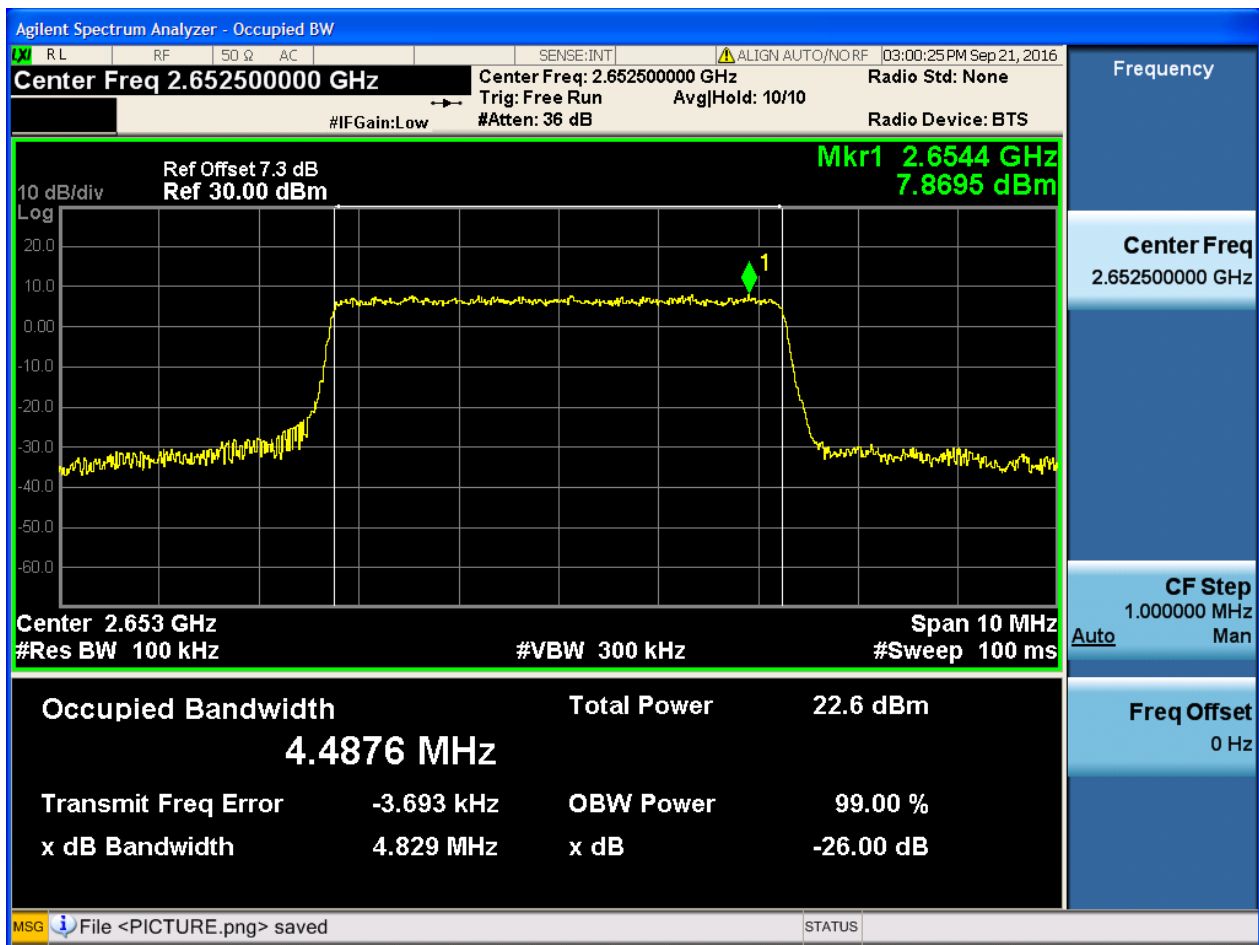
## 4.1.1.2.1.2.1 Test RB = RB25#0





## 4.1.1.2.1.3 Test Channel = HCH

## 4.1.1.2.1.3.1 Test RB = RB25#0

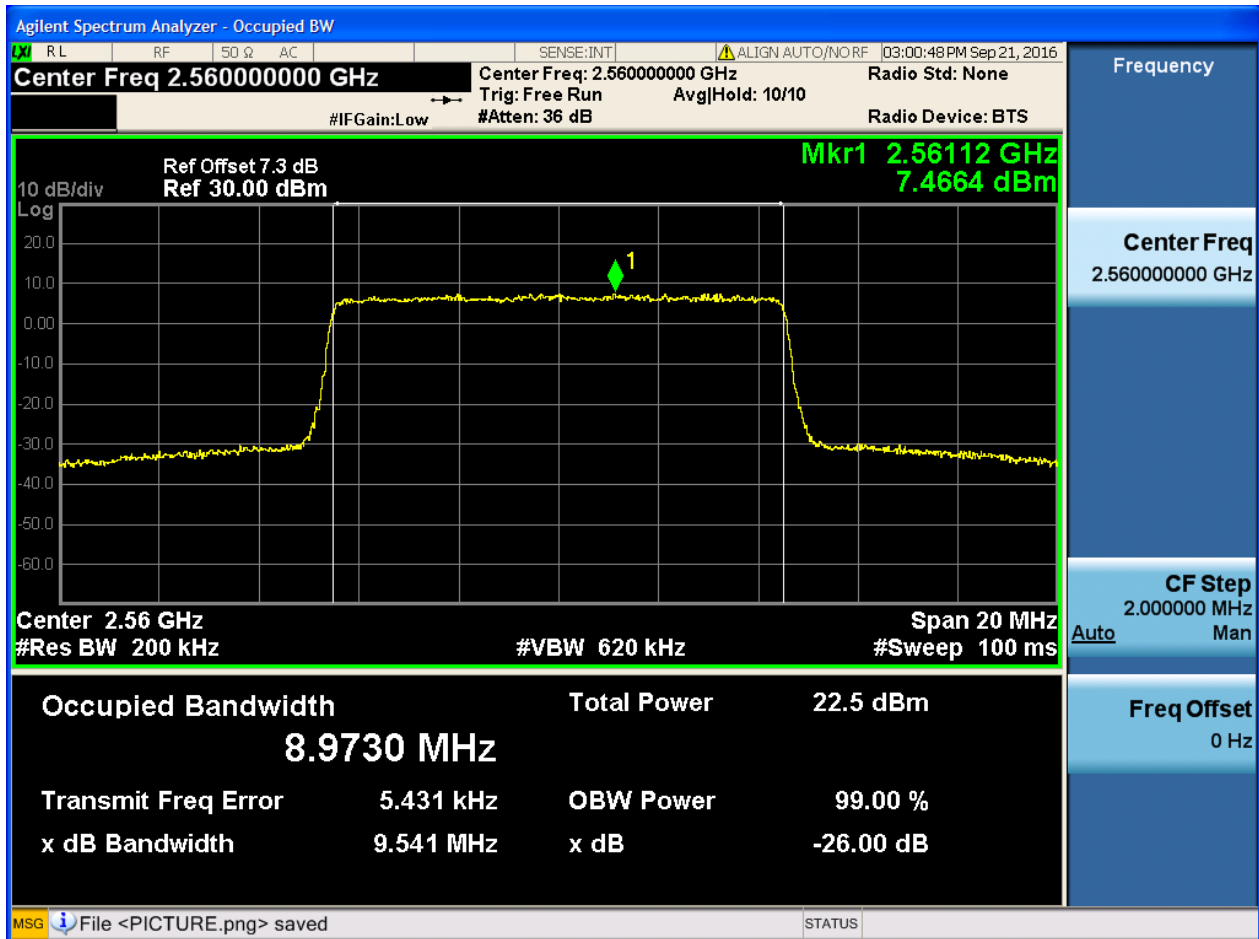




## 4.1.1.2.2 Test Bandwidth = 10

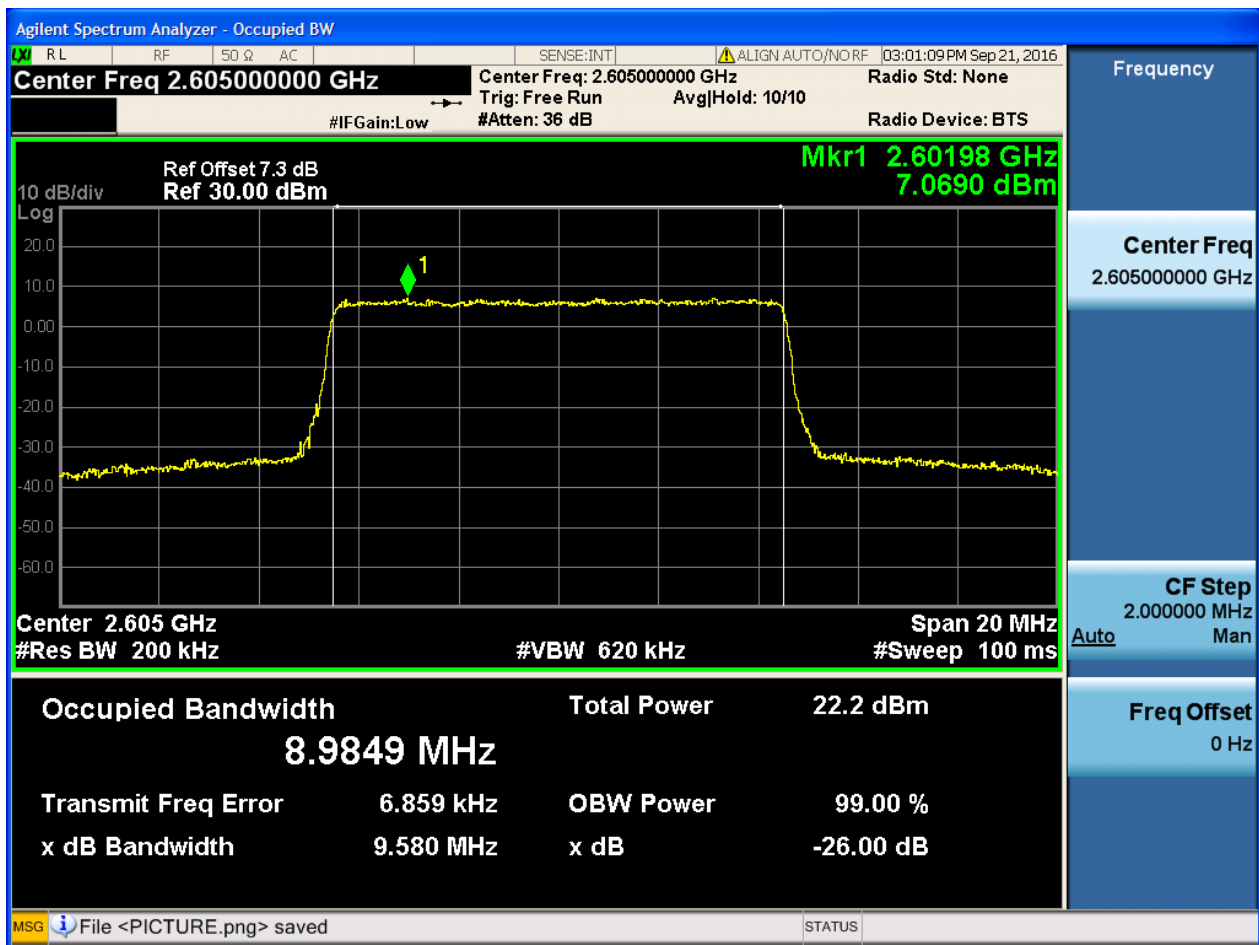
## 4.1.1.2.2.1 Test Channel = LCH

## 4.1.1.2.2.1.1 Test RB = RB50#0



#### 4.1.1.2.2.2 Test Channel = MCH

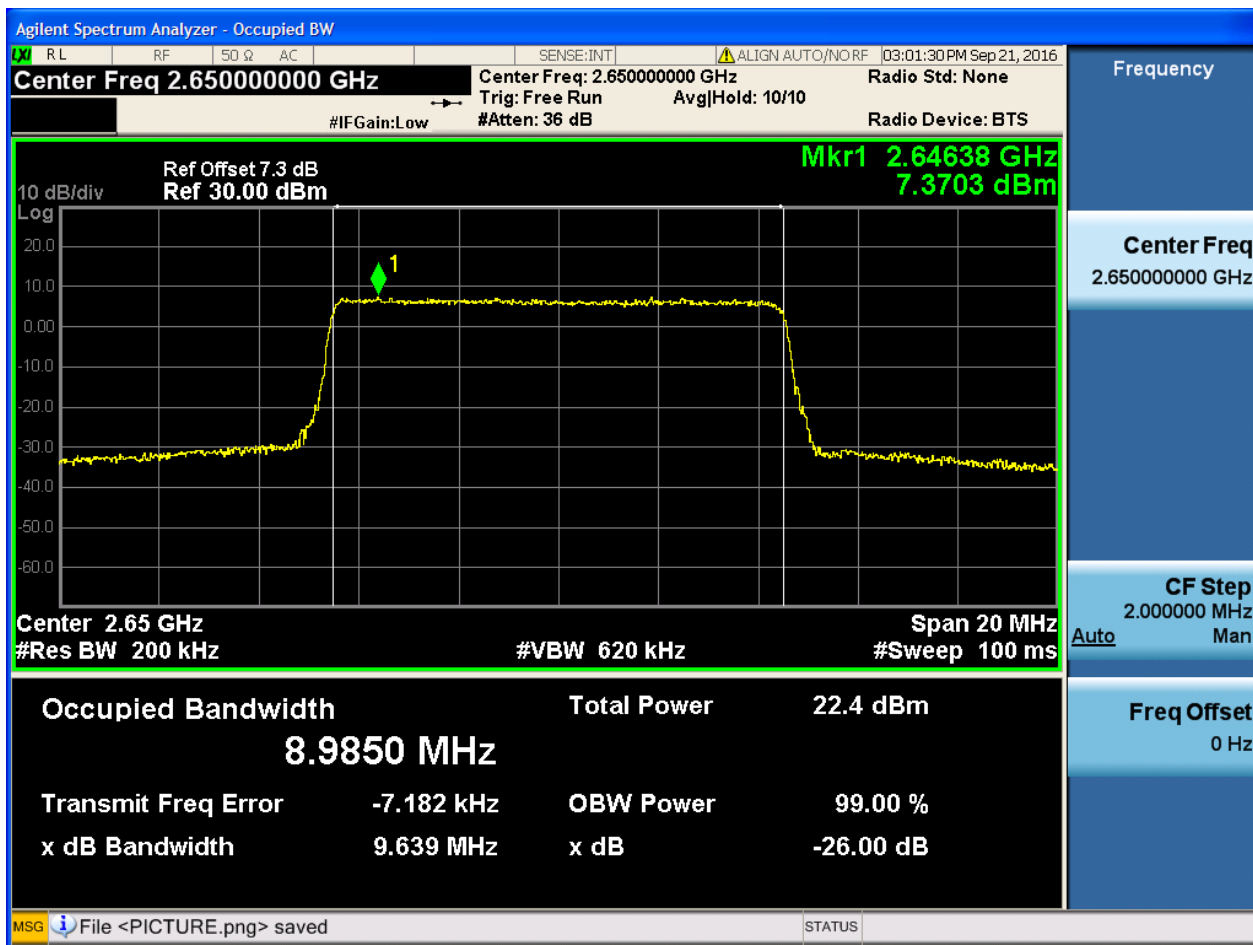
##### 4.1.1.2.2.2.1 Test RB = RB50#0





## 4.1.1.2.2.3 Test Channel = HCH

## 4.1.1.2.2.3.1 Test RB = RB50#0

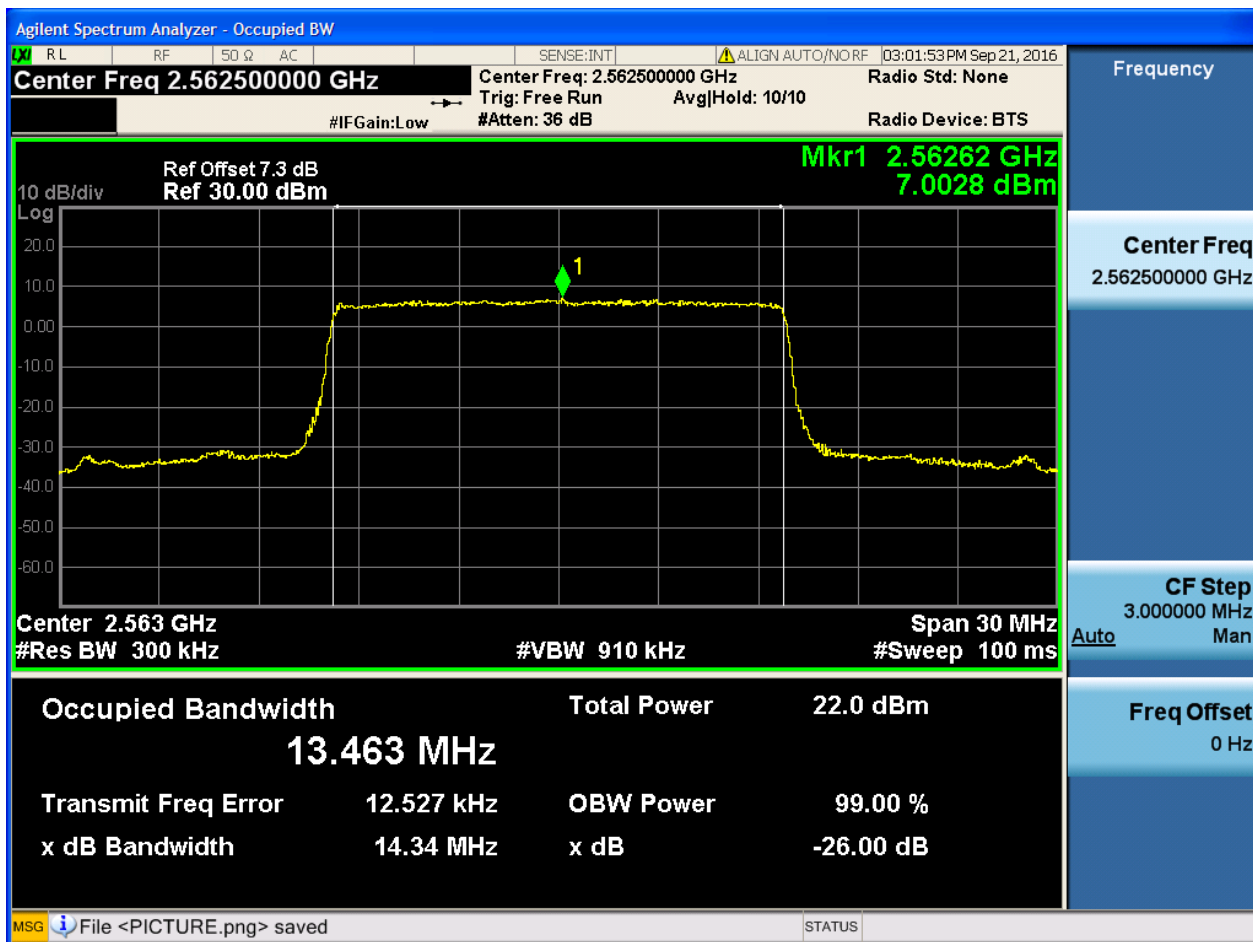




## 4.1.1.2.3 Test Bandwidth = 15

## 4.1.1.2.3.1 Test Channel = LCH

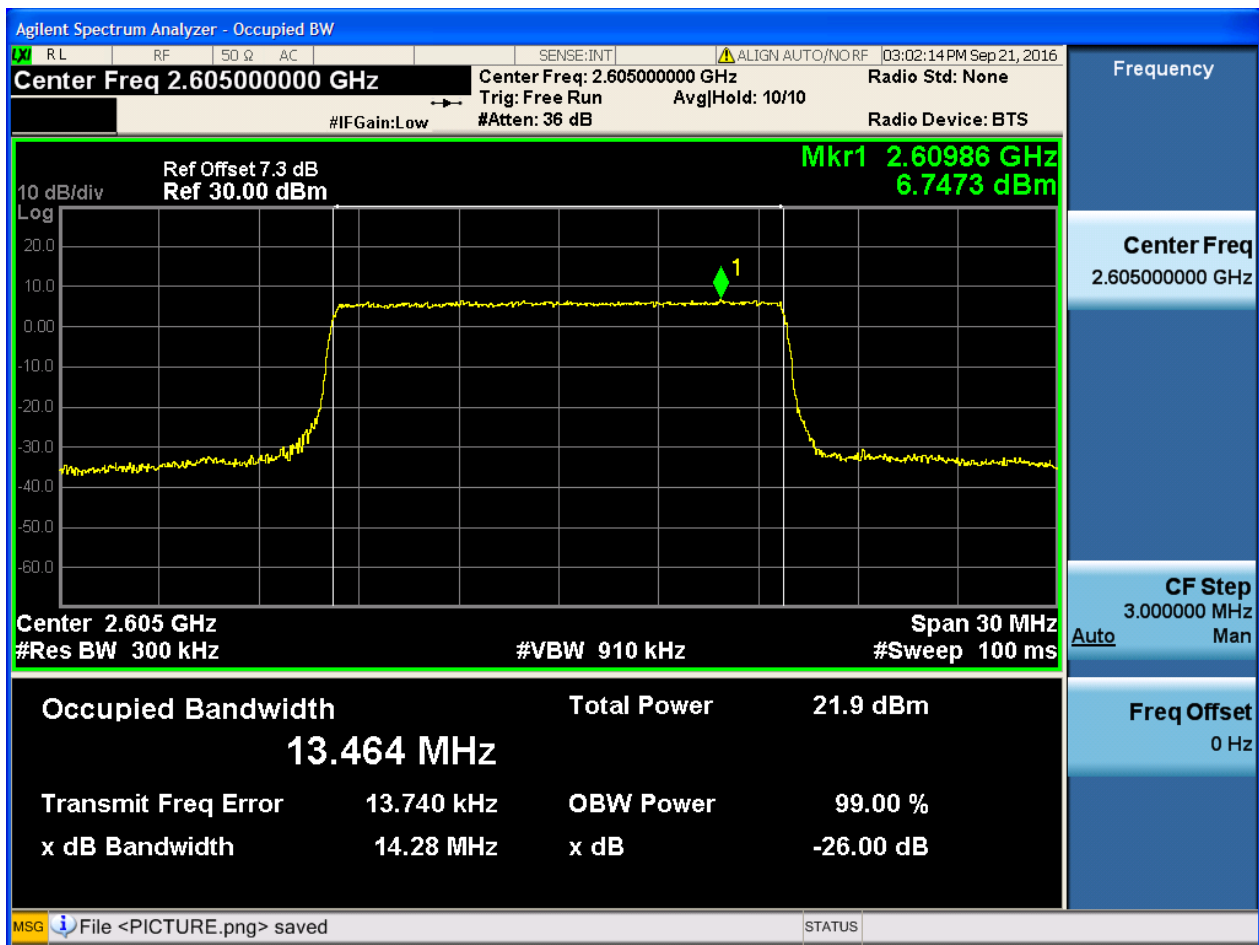
## 4.1.1.2.3.1.1 Test RB = RB75#0





## 4.1.1.2.3.2 Test Channel = MCH

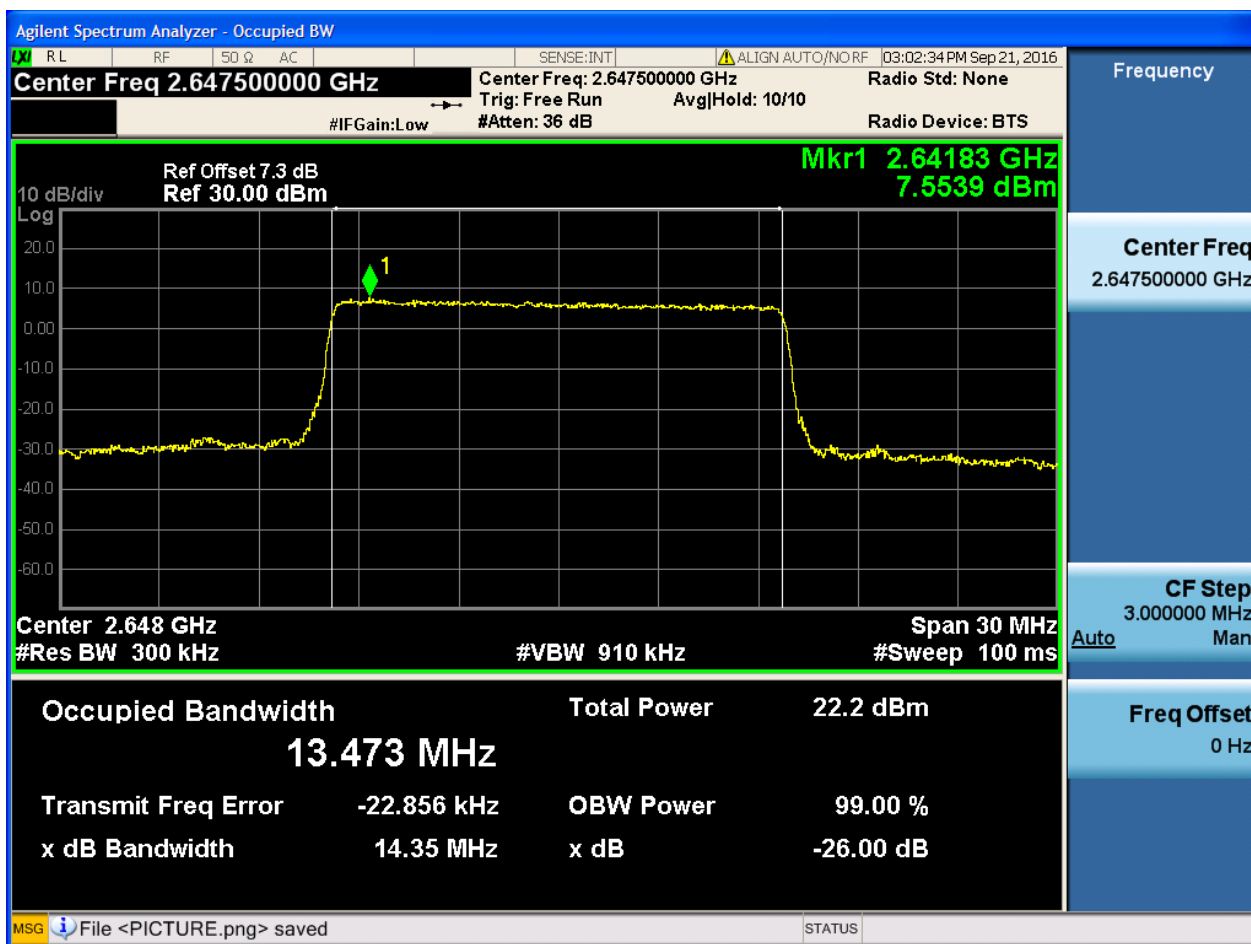
## 4.1.1.2.3.2.1 Test RB = RB75#0





## 4.1.1.2.3.3 Test Channel = HCH

## 4.1.1.2.3.3.1 Test RB = RB75#0

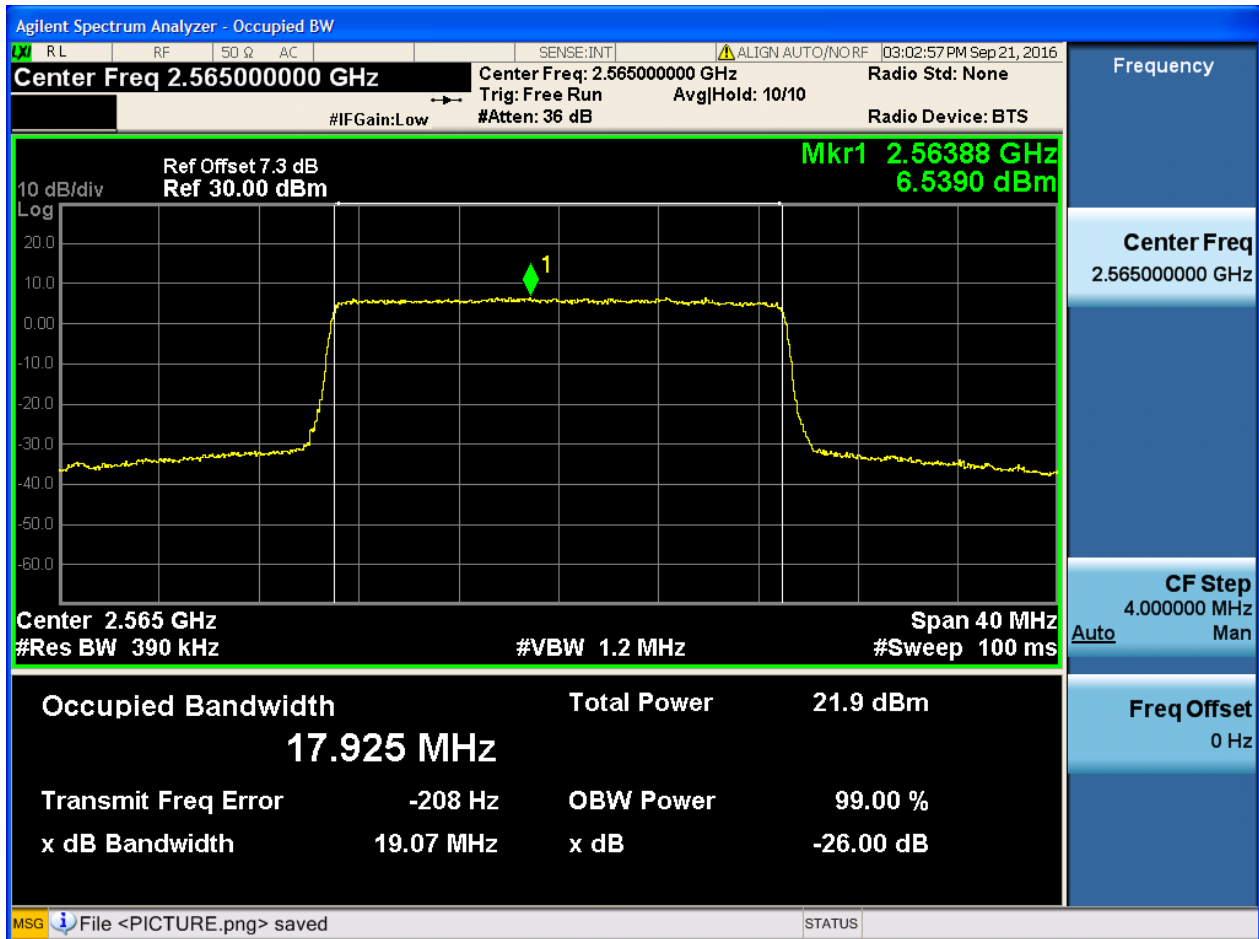




## 4.1.1.2.4 Test Bandwidth = 20

## 4.1.1.2.4.1 Test Channel = LCH

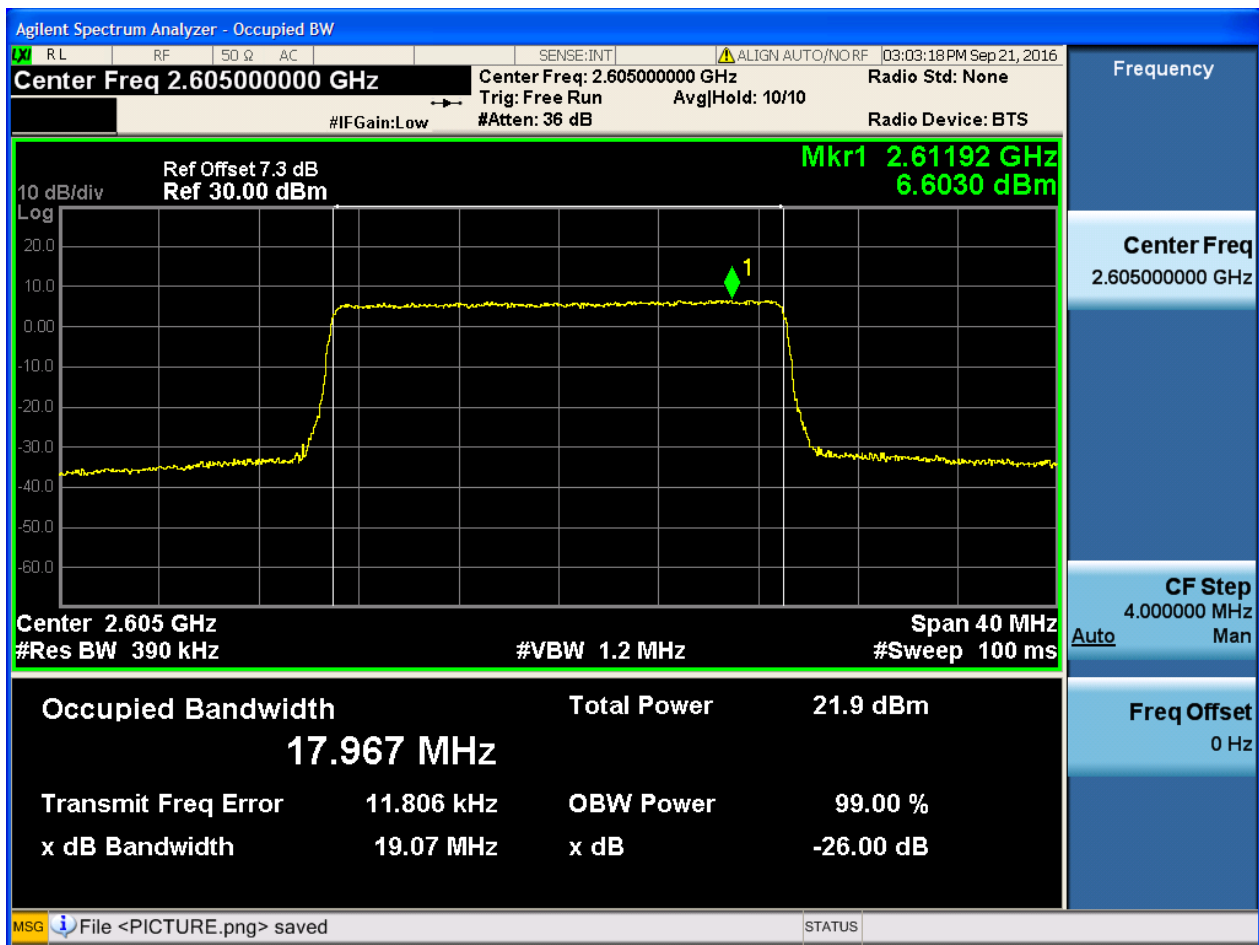
## 4.1.1.2.4.1.1 Test RB = RB100#0





## 4.1.1.2.4.2 Test Channel = MCH

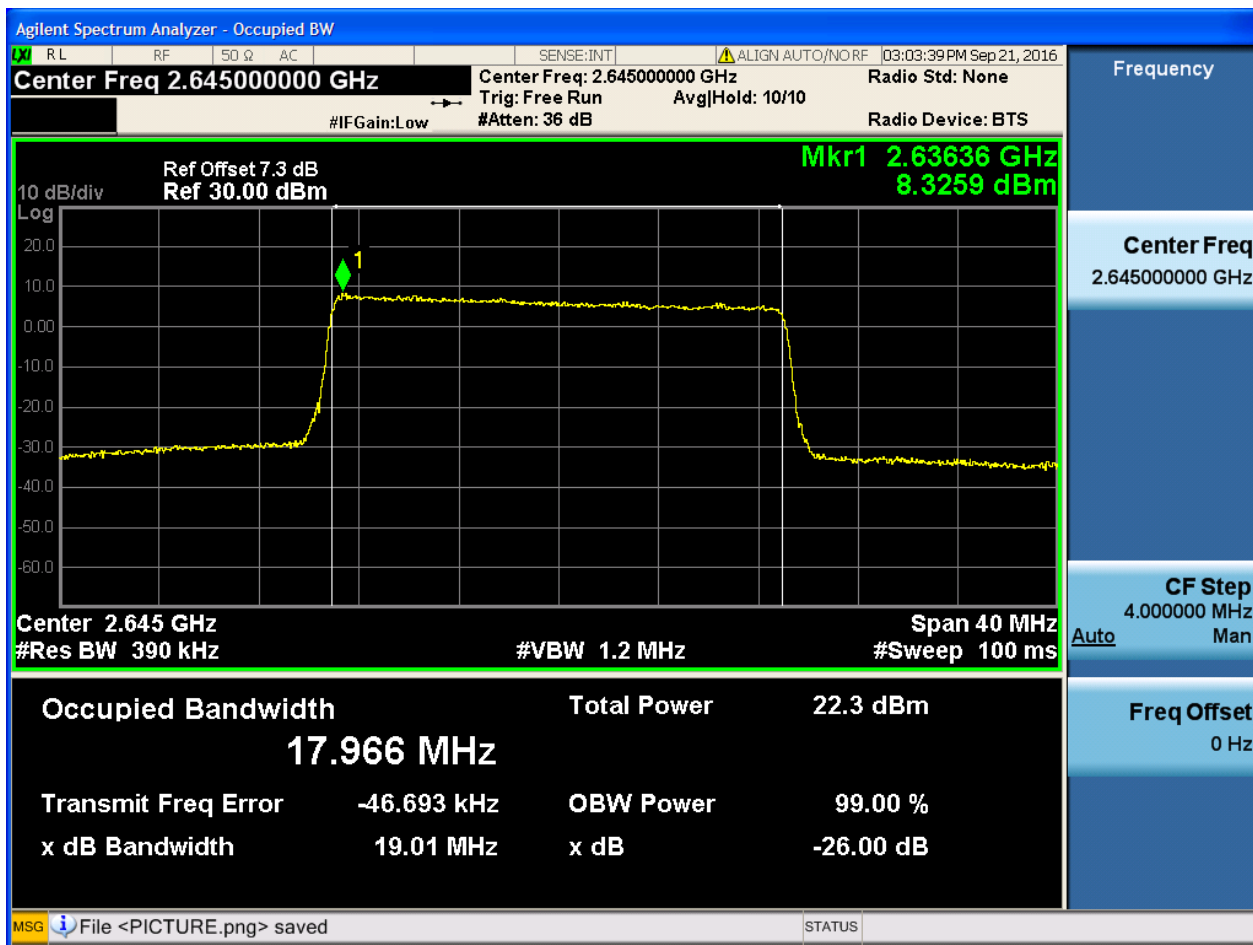
## 4.1.1.2.4.2.1 Test RB = RB100#0





## 4.1.1.2.4.3 Test Channel = HCH

## 4.1.1.2.4.3.1 Test RB = RB100#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

##### 5.1.1 Test Band = BAND41

##### 5.1.1.1 Test Mode = LTE/TM1

##### 5.1.1.1.1 Test Bandwidth = 5

##### 5.1.1.1.1.1 Test Channel = LCH

##### 5.1.1.1.1.1.1 Test RB = RB1#0



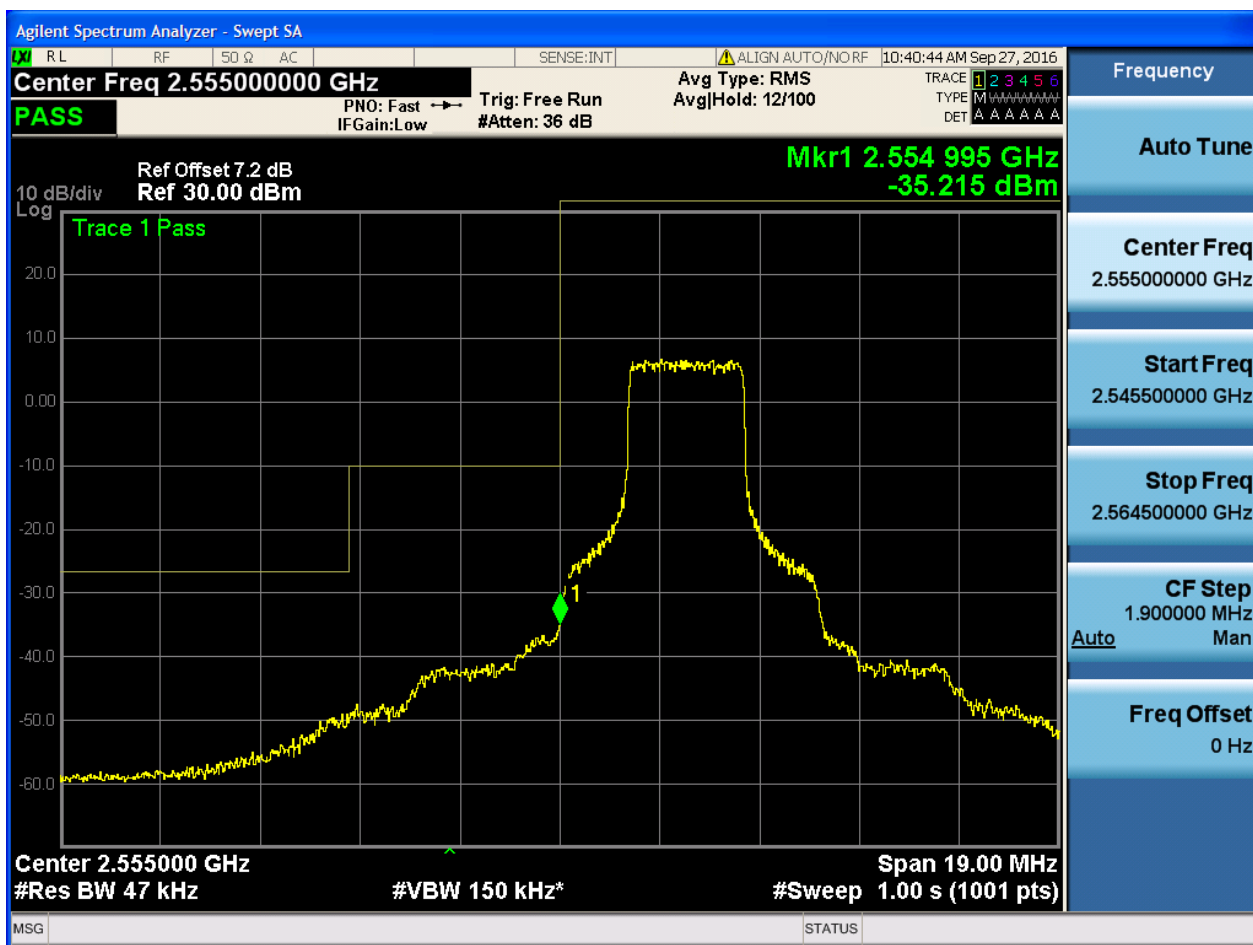


## 5.1.1.1.1.2 Test RB = RB1#24





## 5.1.1.1.1.3 Test RB = RB12#6



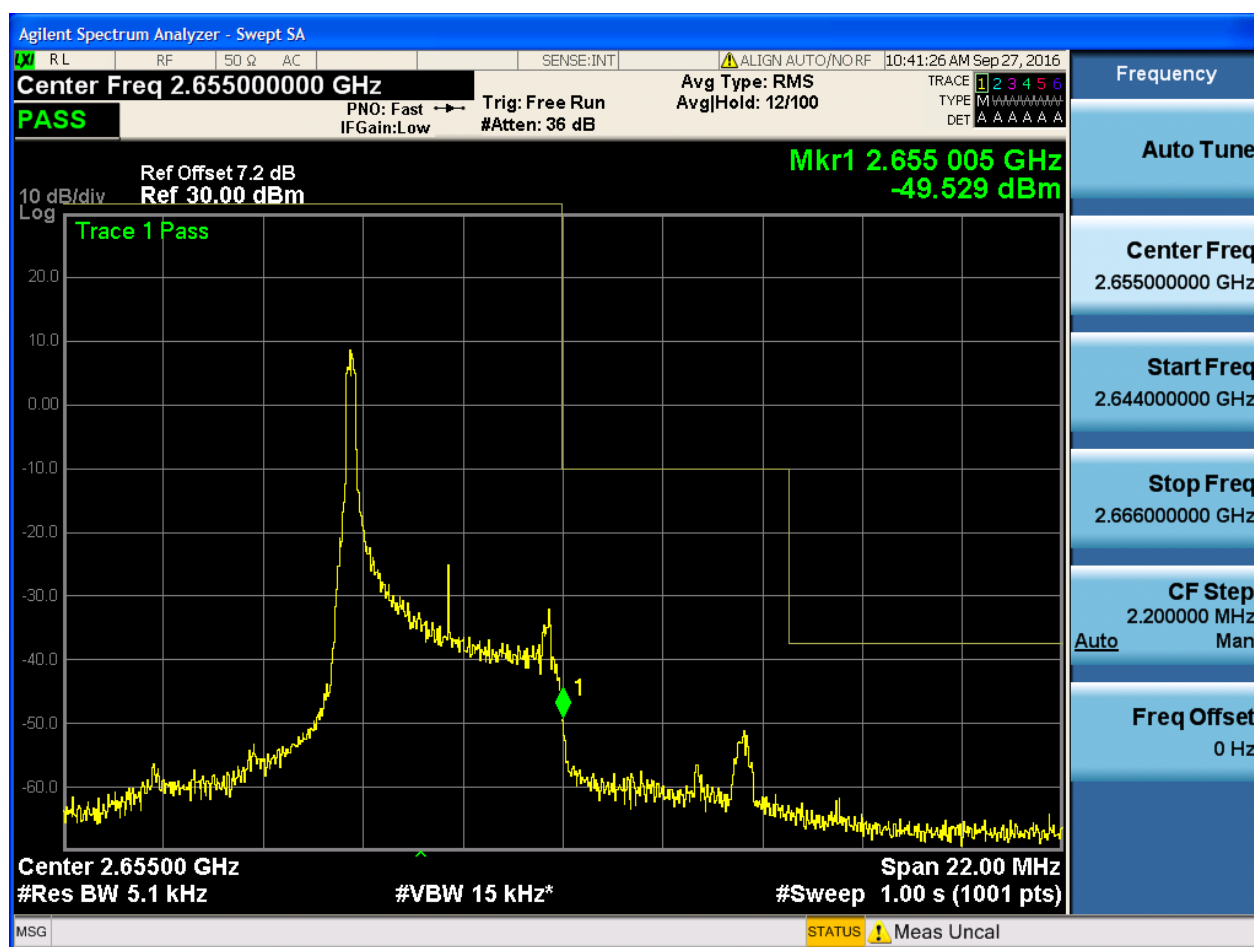


## 5.1.1.1.1.4 Test RB = RB25#0



#### 5.1.1.1.1.2 Test Channel = HCH

#### 5.1.1.1.1.2.1 Test RB = RB1#0





## 5.1.1.1.2.2 Test RB = RB1#24





## 5.1.1.1.2.3 Test RB = RB12#6





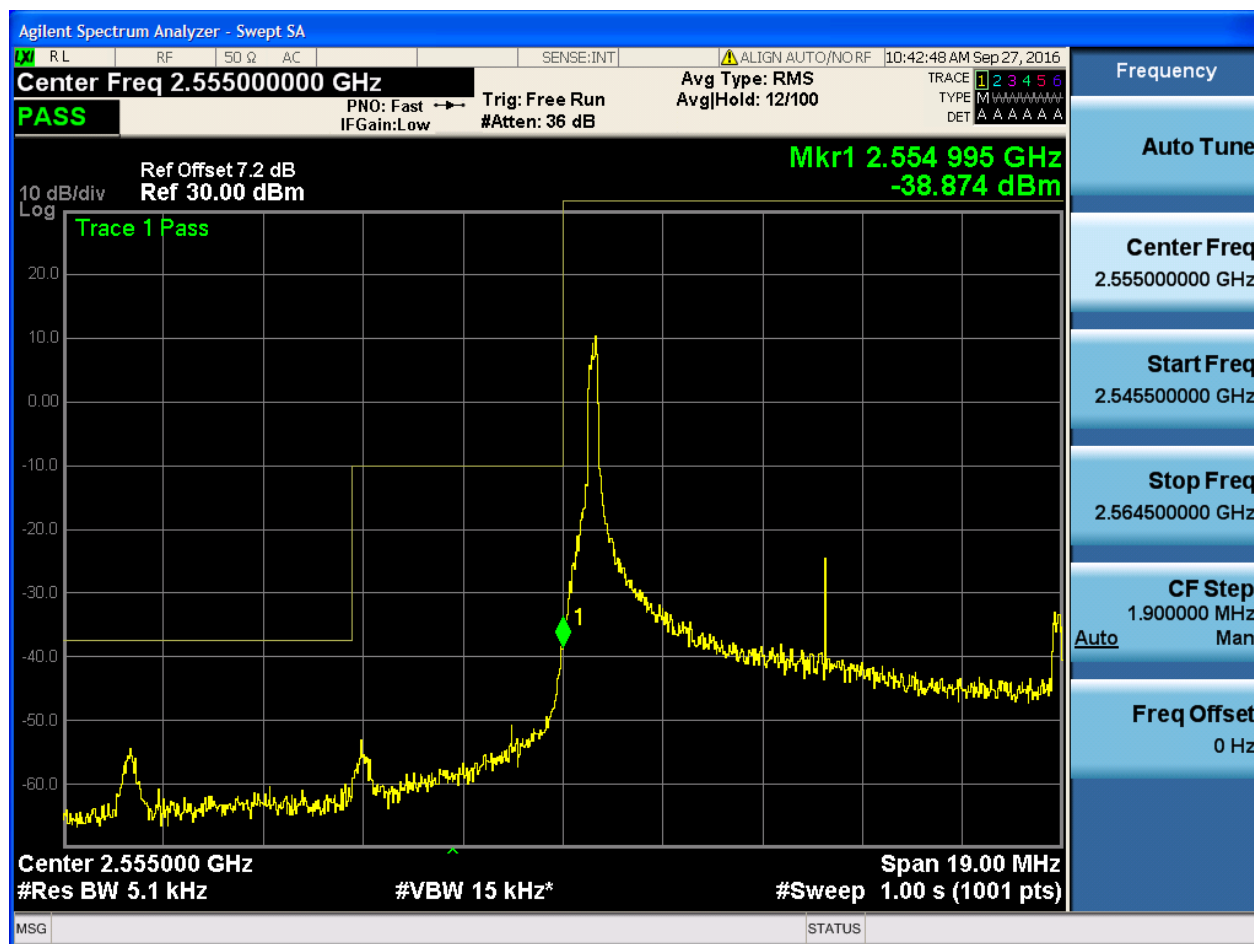
## 5.1.1.1.2.4 Test RB = RB25#0



### 5.1.1.1.2 Test Bandwidth = 10

#### 5.1.1.1.2.1 Test Channel = LCH

##### 5.1.1.1.2.1.1 Test RB = RB1#0



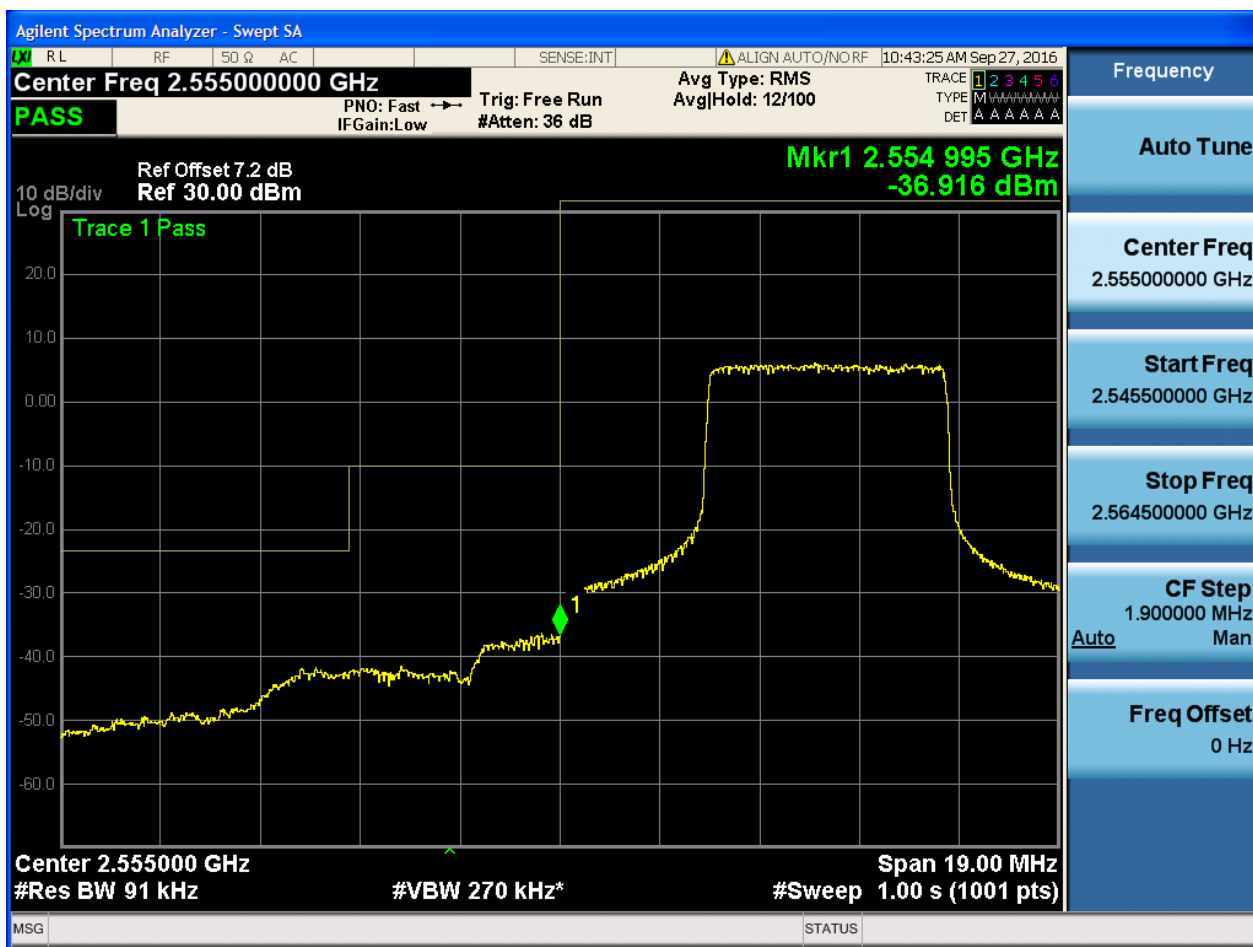


## 5.1.1.1.2.1.2 Test RB = RB1#49



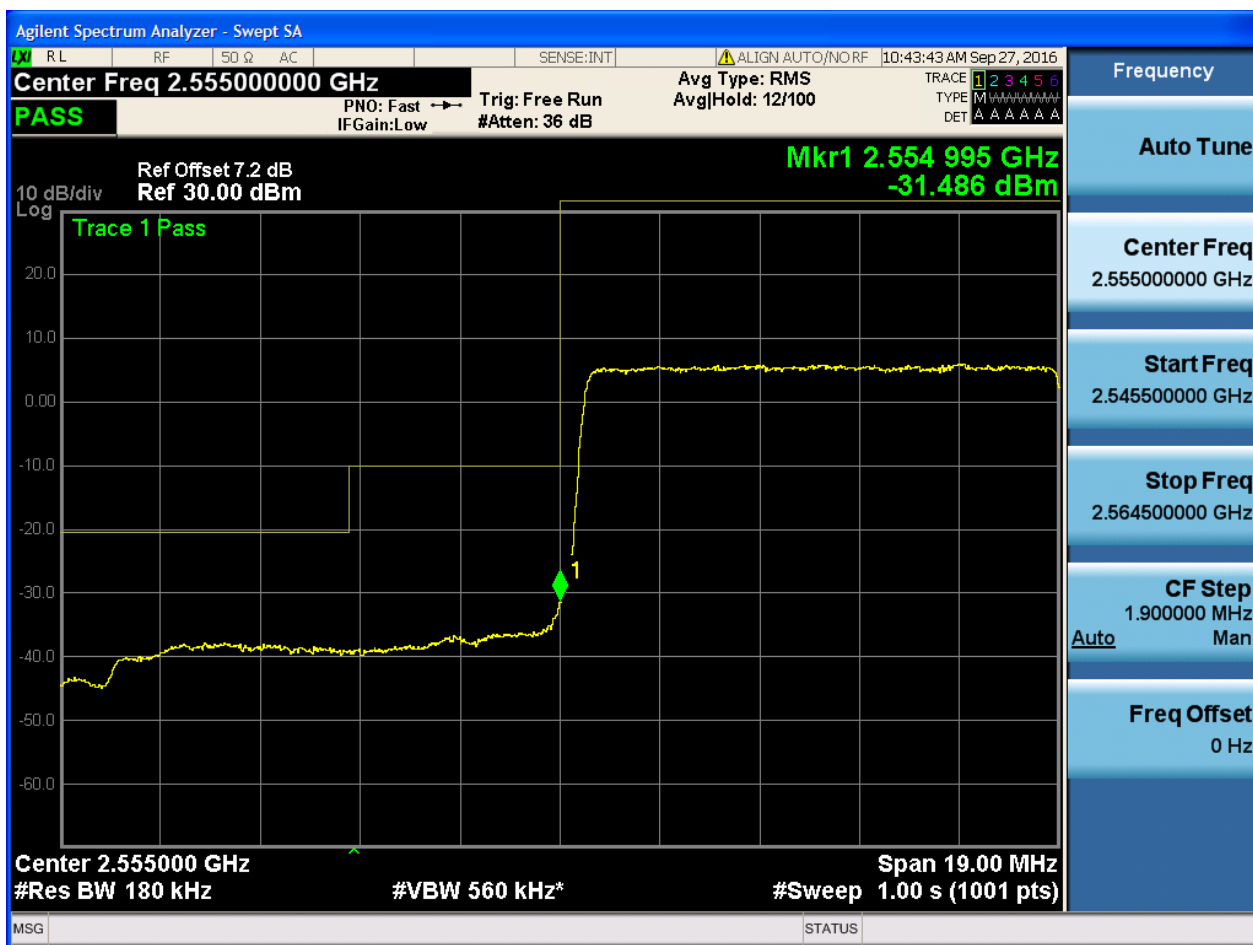


## 5.1.1.1.2.1.3 Test RB = RB25#13



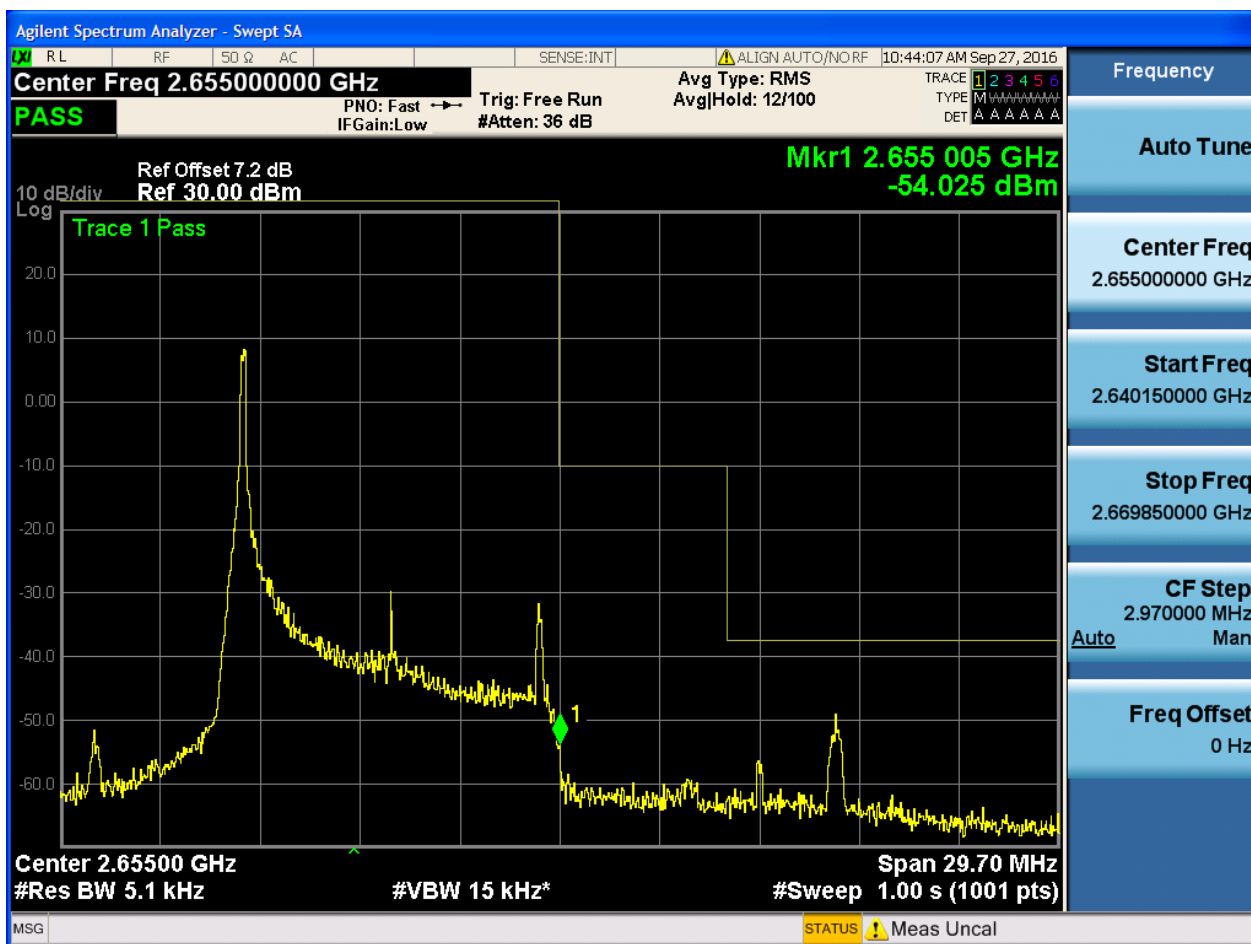


## 5.1.1.1.2.1.4 Test RB = RB50#0



### 5.1.1.1.2.2 Test Channel = HCH

#### 5.1.1.1.2.2.1 Test RB = RB1#0



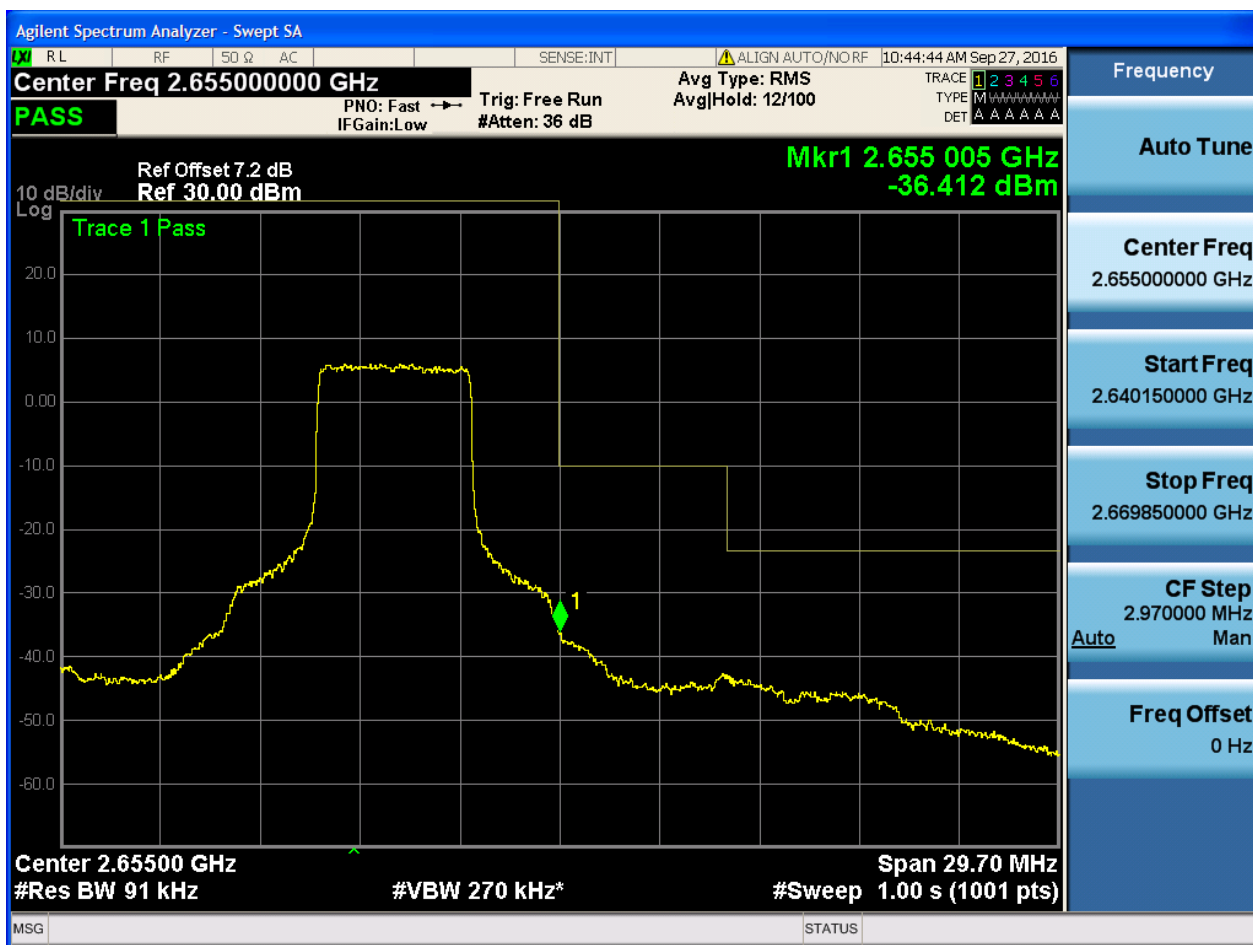


## 5.1.1.1.2.2.2 Test RB = RB1#49





## 5.1.1.1.2.2.3 Test RB = RB25#13





## 5.1.1.1.2.2.4 Test RB = RB50#0

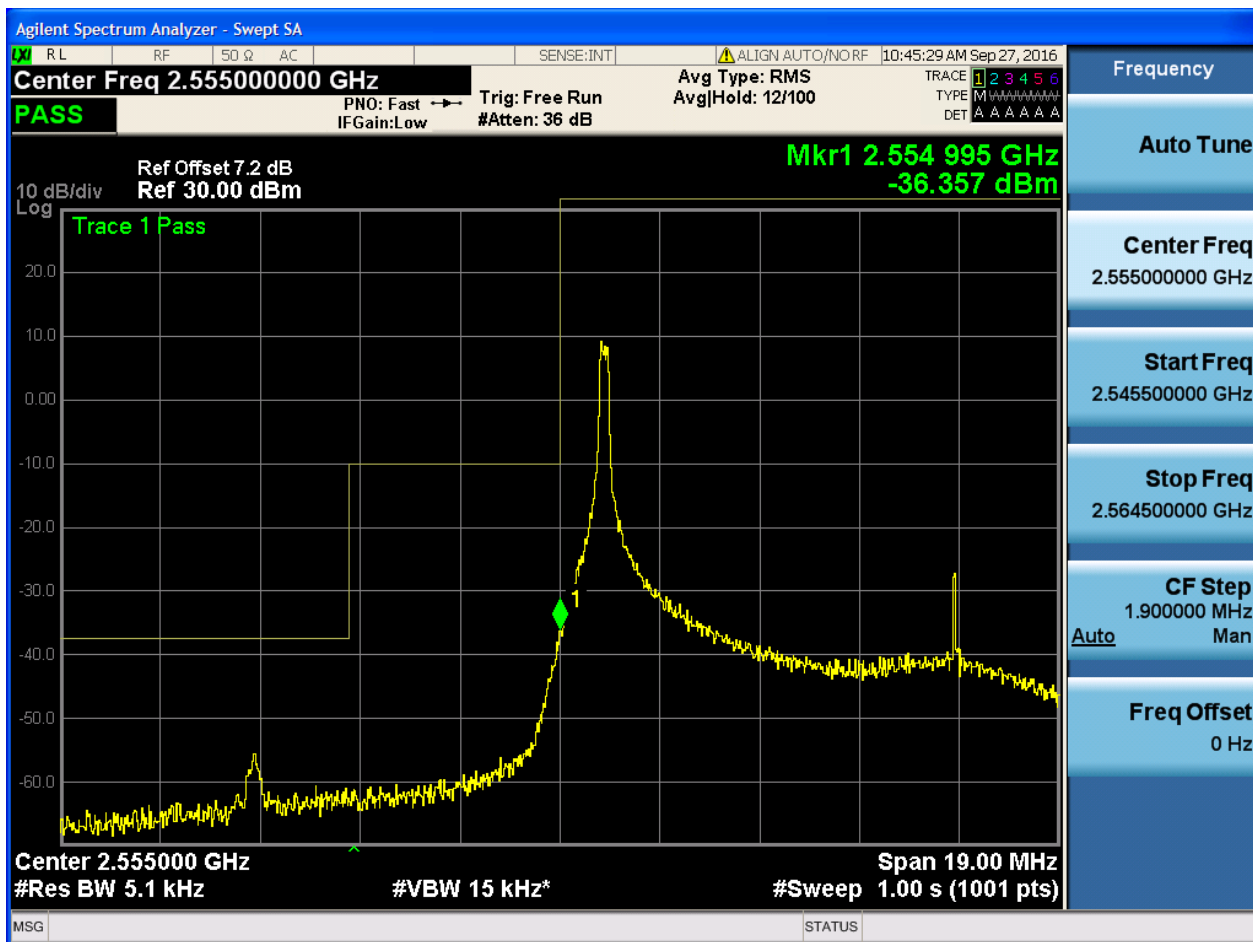




## 5.1.1.1.3 Test Bandwidth = 15

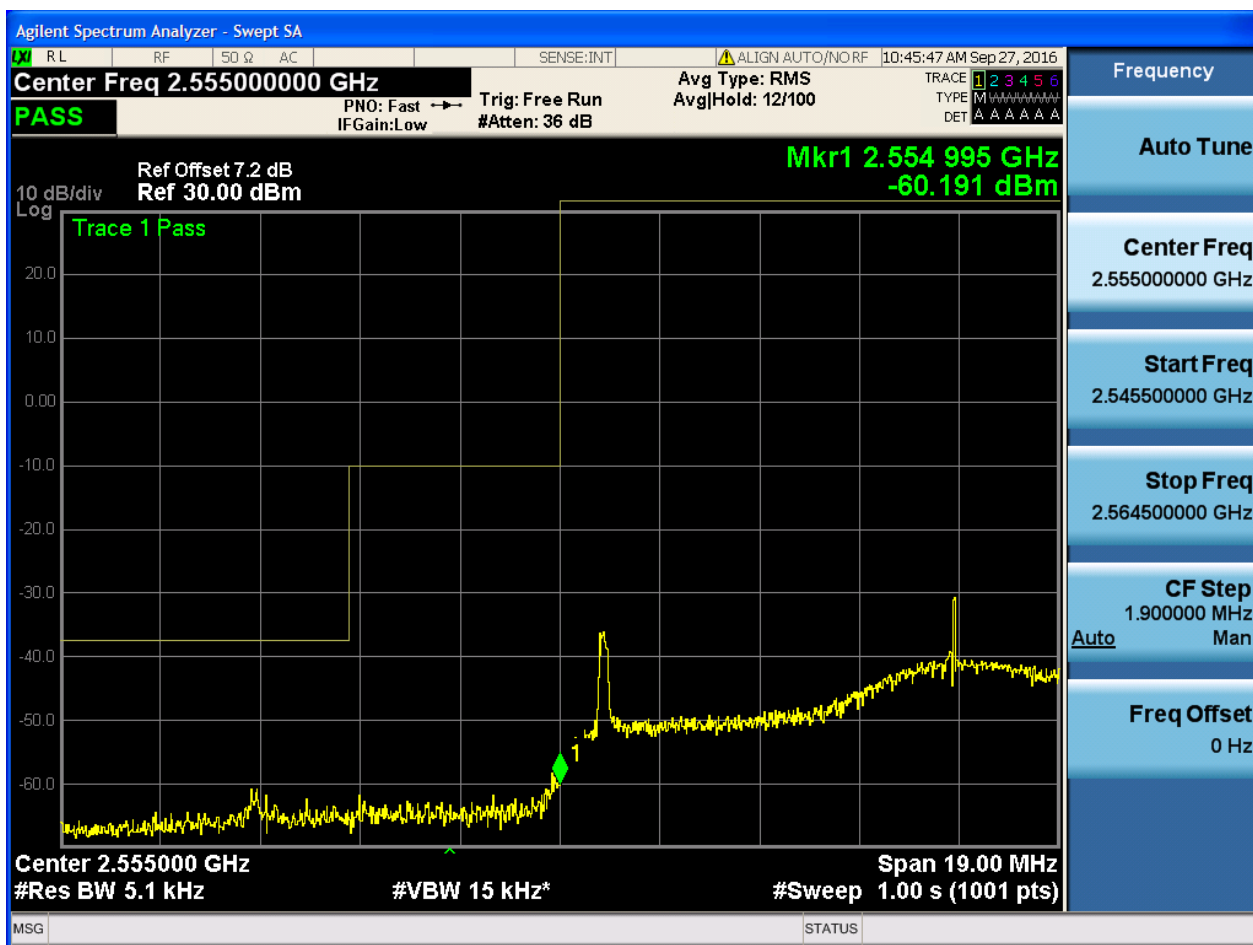
## 5.1.1.1.5.1 Test Channel = LCH

## 5.1.1.1.5.1.1 Test RB = RB1#0





## 5.1.1.1.5.1.2 Test RB = RB1#74





## 5.1.1.1.5.1.3 Test RB = RB36#18





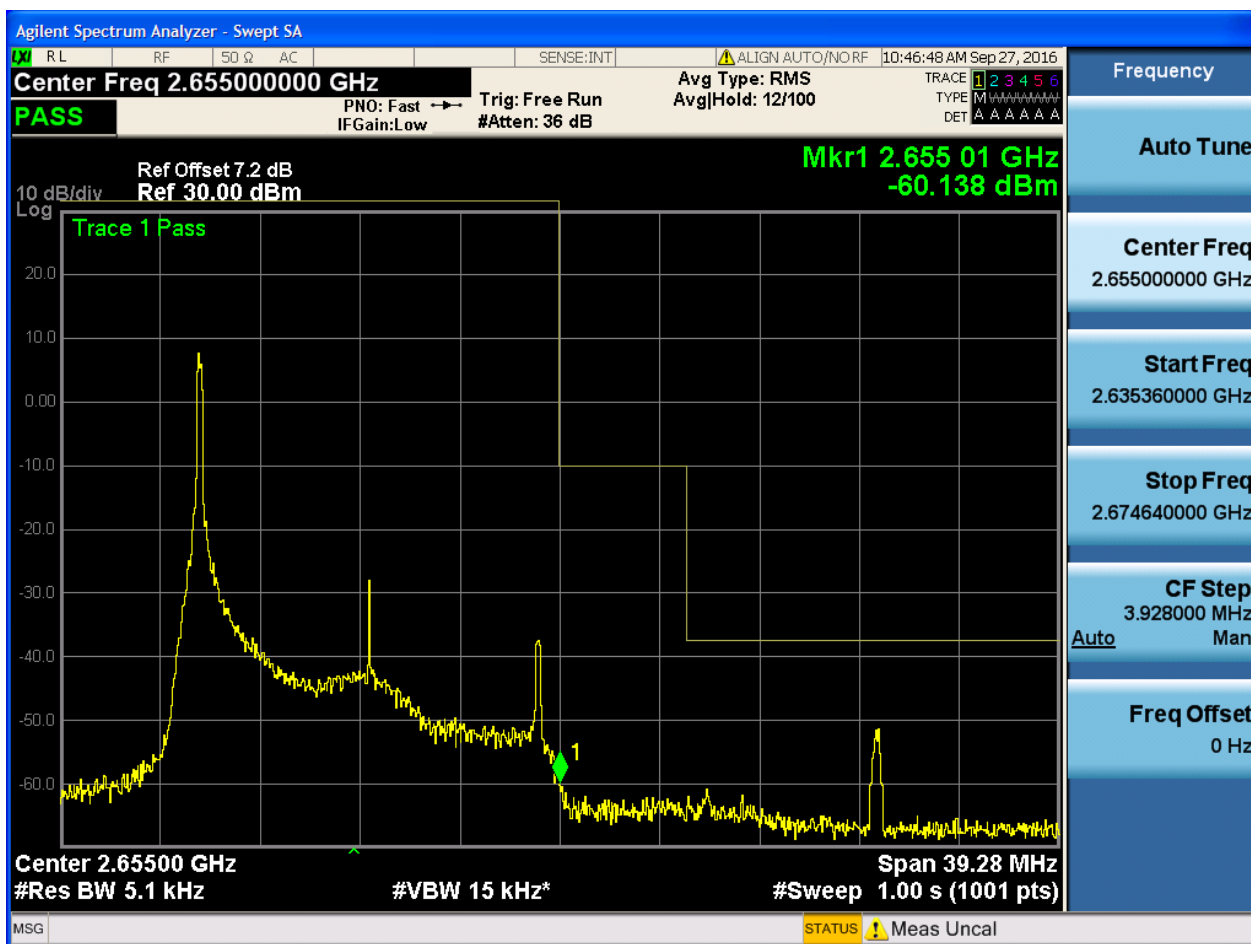
## 5.1.1.1.5.1.4 Test RB = RB75#0





## 5.1.1.1.3.2 Test Channel = HCH

## 5.1.1.1.3.2.1 Test RB = RB1#0





## 5.1.1.1.3.2.2 Test RB = RB1#74





## 5.1.1.1.3.2.3 Test RB = RB36#18





## 5.1.1.1.3.2.4 Test RB = RB75#0

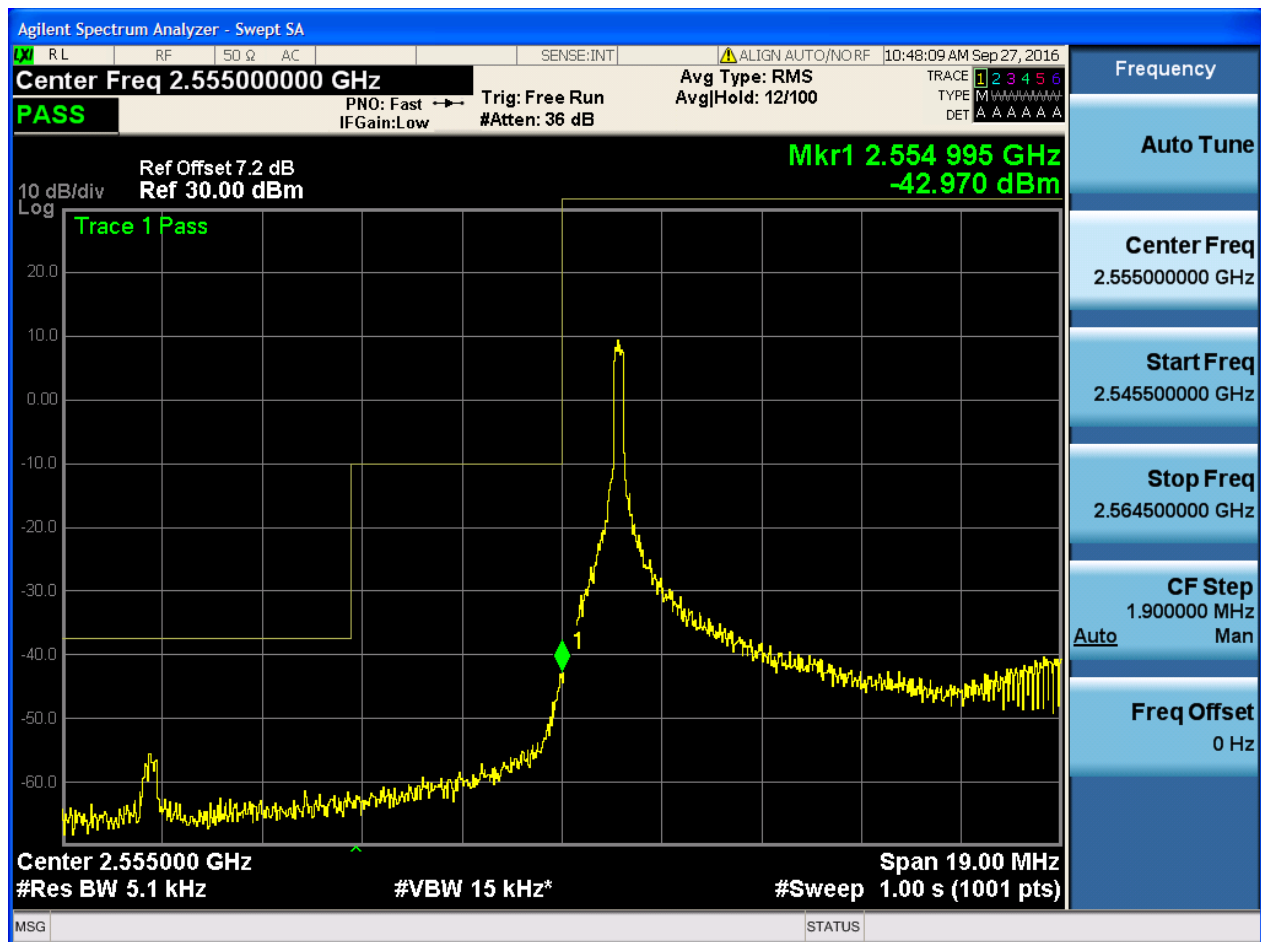




## 5.1.1.1.4 Test Bandwidth = 20

## 5.1.1.1.4.1 Test Channel = LCH

## 5.1.1.1.4.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.555000000 GHz

PASS

Ref Offset 7.2 dB  
Ref 30.00 dBm

Trace 1 Pass

Mkr1 2.554 995 GHz  
-59.264 dBm

Center 2.555000 GHz  
#Res BW 5.1 kHz  
#VBW 15 kHz\*

Span 19.00 MHz  
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq  
2.555000000 GHz

Start Freq  
2.545500000 GHz

Stop Freq  
2.564500000 GHz

CF Step  
1.900000 MHz  
Man

Freq Offset  
0 Hz



## 5.1.1.1.4.1.3 Test RB = RB50#25



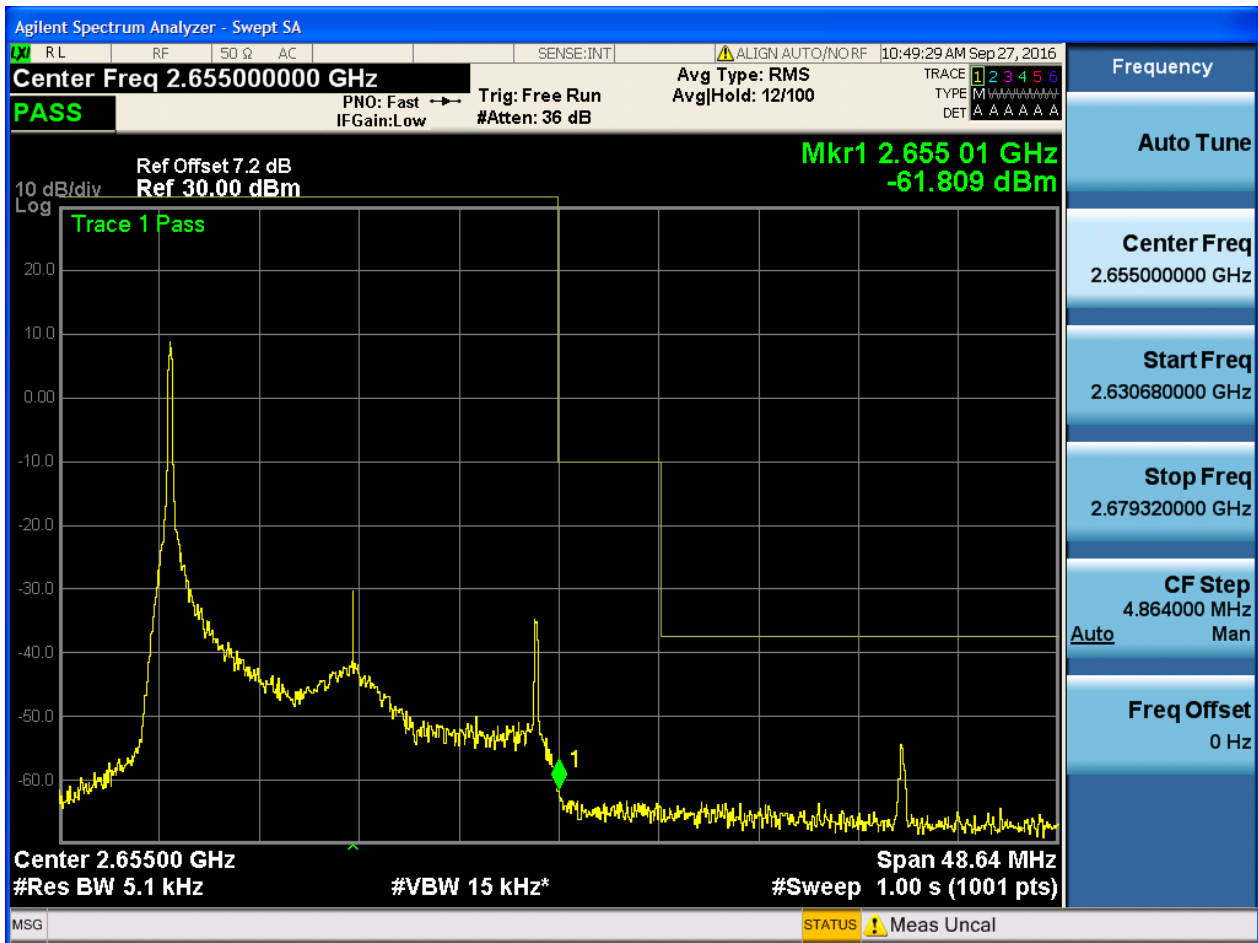


## 5.1.1.1.4.1.4 Test RB = RB100#0



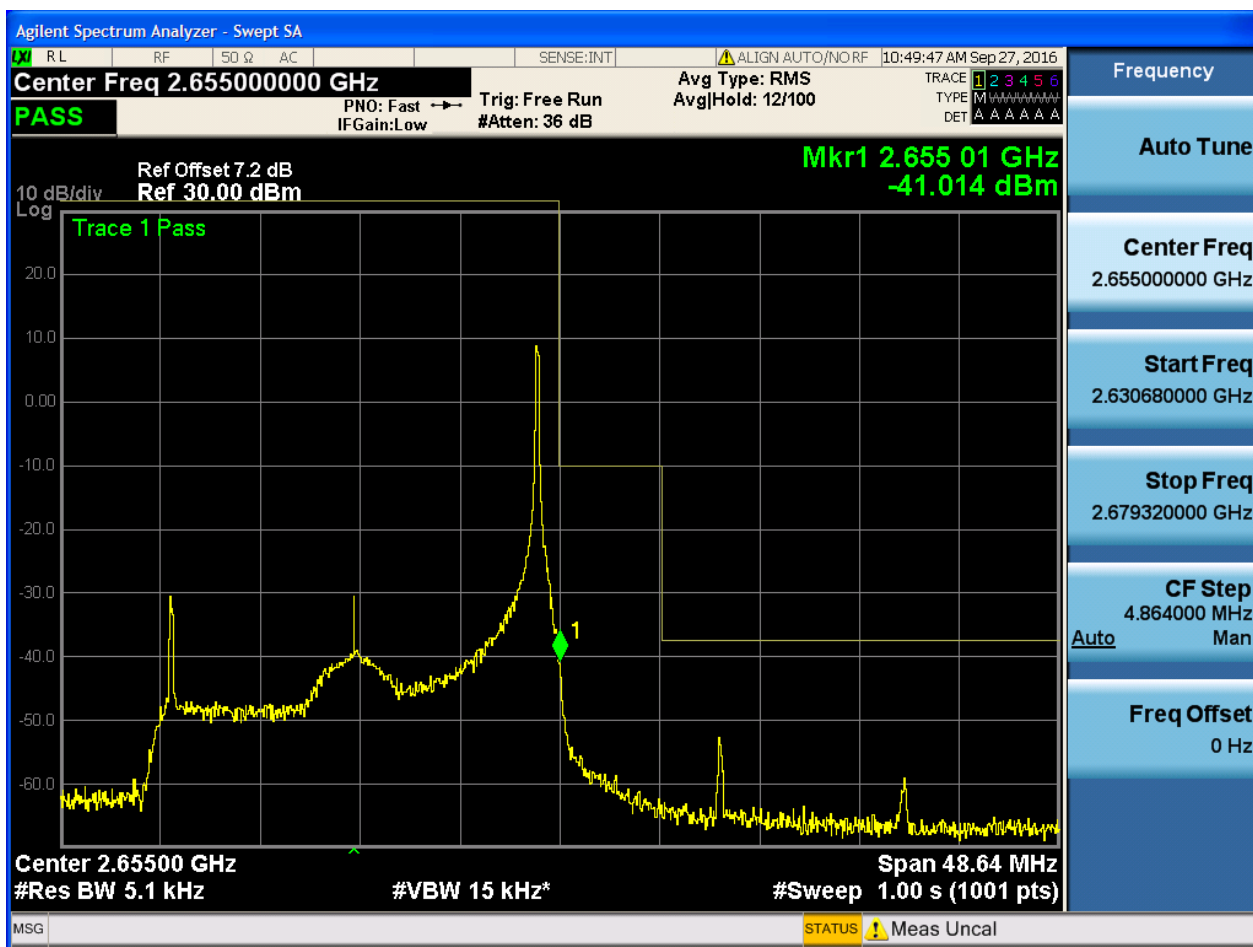
#### 5.1.1.1.4.2 Test Channel = HCH

#### 5.1.1.1.4.2.1 Test RB = RB1#0





## 5.1.1.1.4.2.2 Test RB = RB1#99





## 5.1.1.1.4.2.3 Test RB = RB50#25





## 5.1.1.1.4.2.4 Test RB = RB100#0



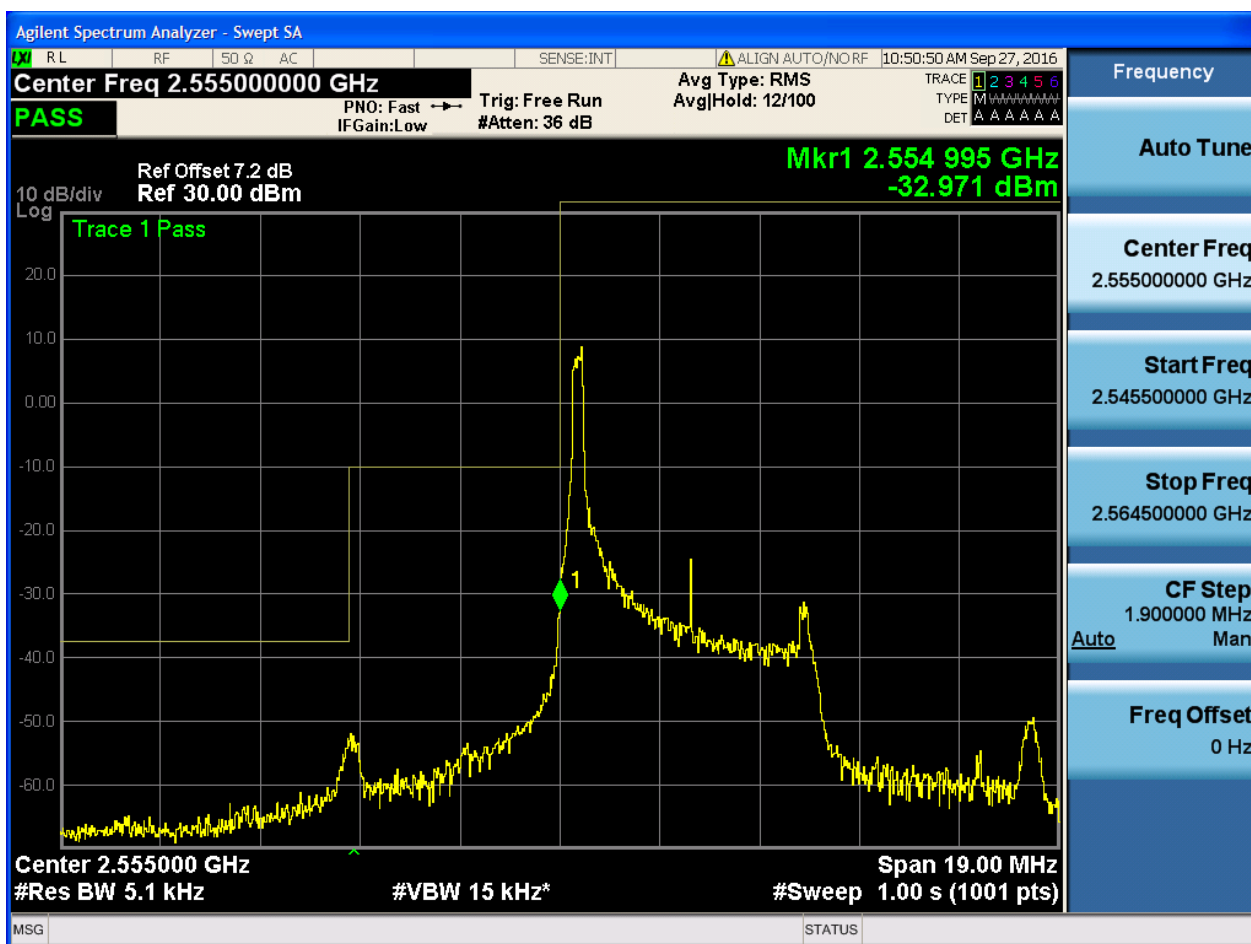


## 5.1.1.2 Test Mode = LTE/TM2

## 5.1.1.2.1 Test Bandwidth = 5

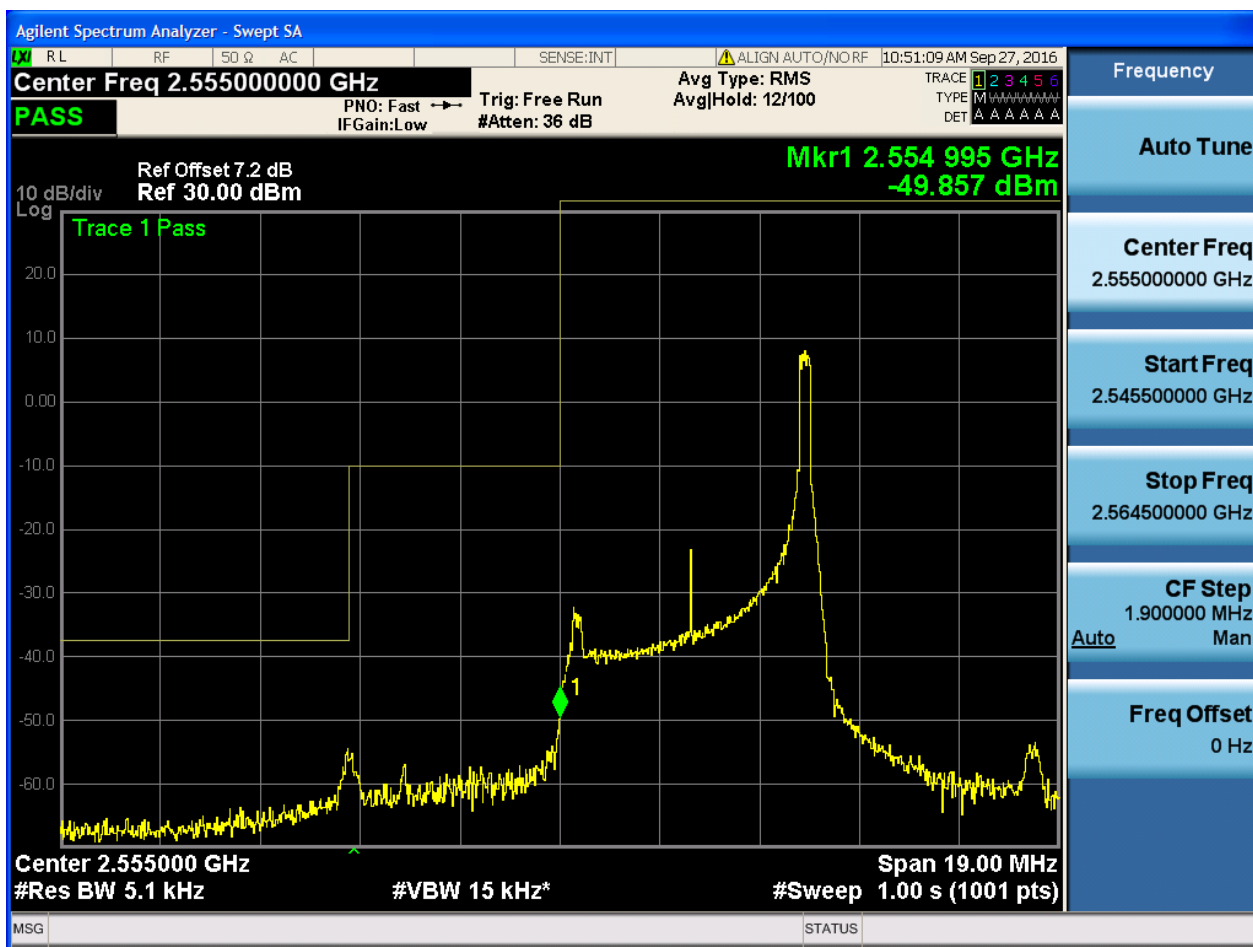
## 5.1.1.2.1.1 Test Channel = LCH

## 5.1.1.2.1.1.1 Test RB = RB1#0



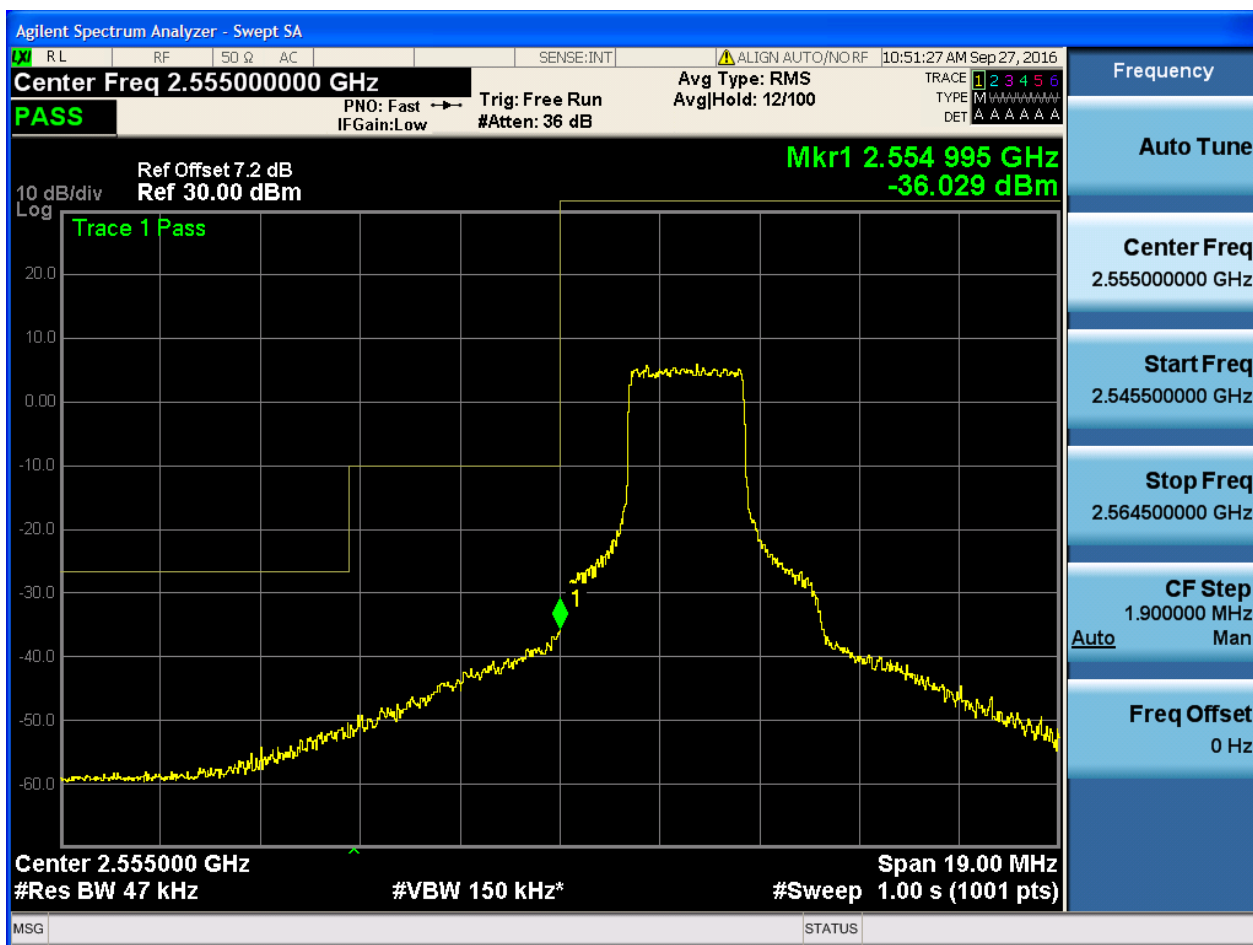


## 5.1.1.2.1.1.2 Test RB = RB1#24



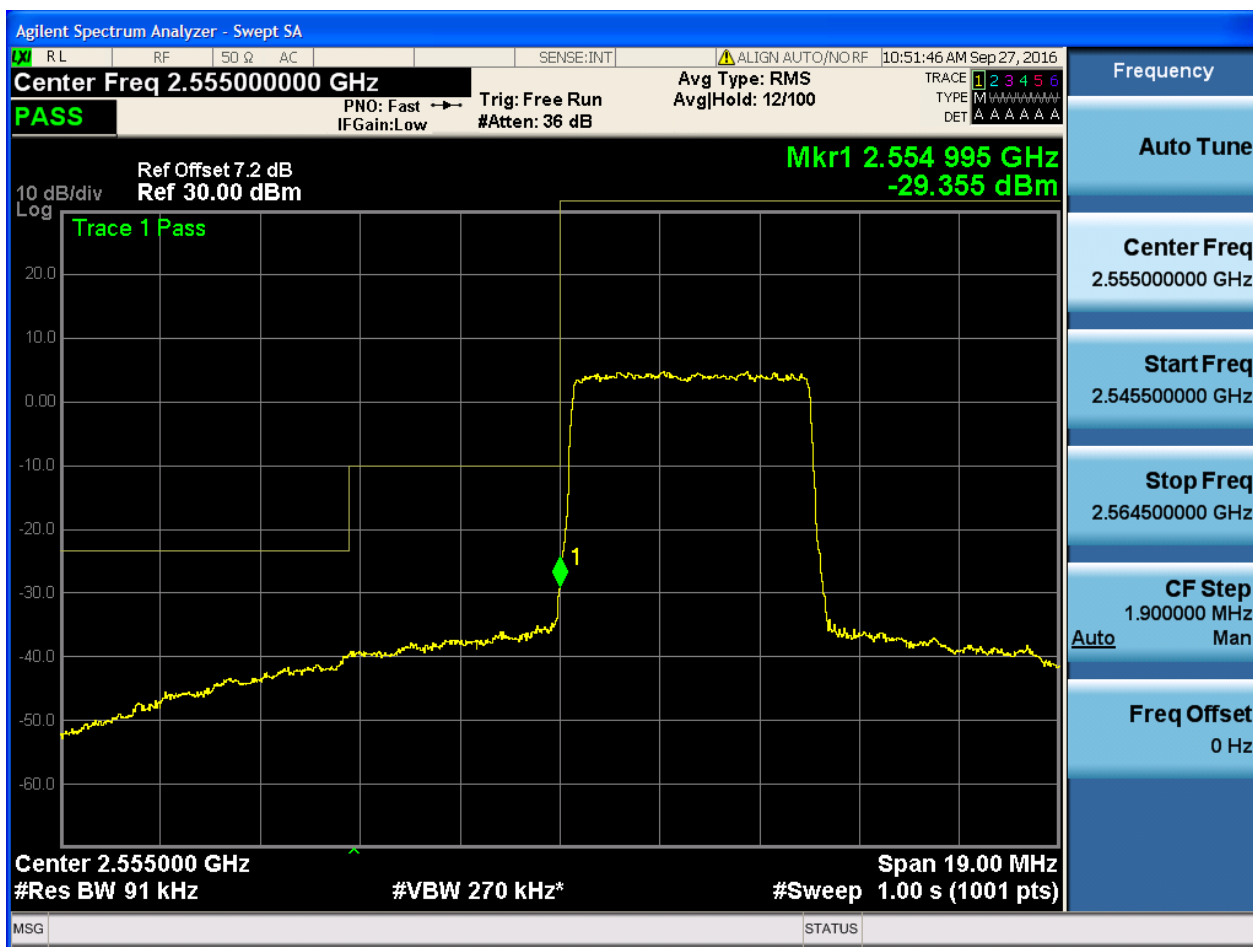


## 5.1.1.2.1.1.3 Test RB = RB12#6



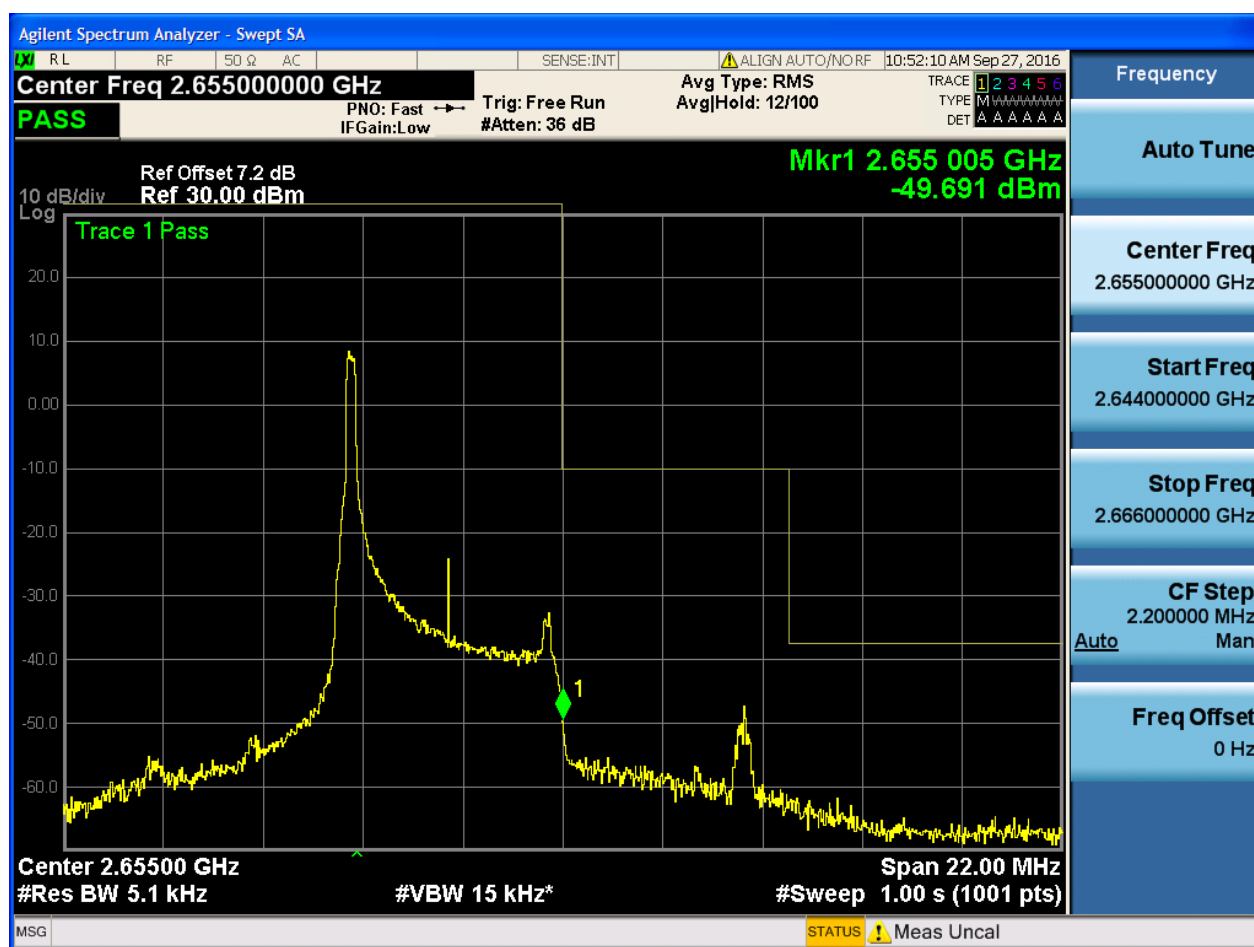


## 5.1.1.2.1.1.4 Test RB = RB25#0



#### 5.1.1.2.1.2 Test Channel = HCH

#### 5.1.1.2.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.655000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

Trace 1 Pass

10 dB/div  
Log

Center 2.65500 GHz  
#Res BW 5.1 kHz

Span 22.00 MHz  
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq  
2.655000000 GHz

Start Freq  
2.644000000 GHz

Stop Freq  
2.666000000 GHz

CF Step  
2.200000 MHz  
Man

Freq Offset  
0 Hz

MSG

STATUS

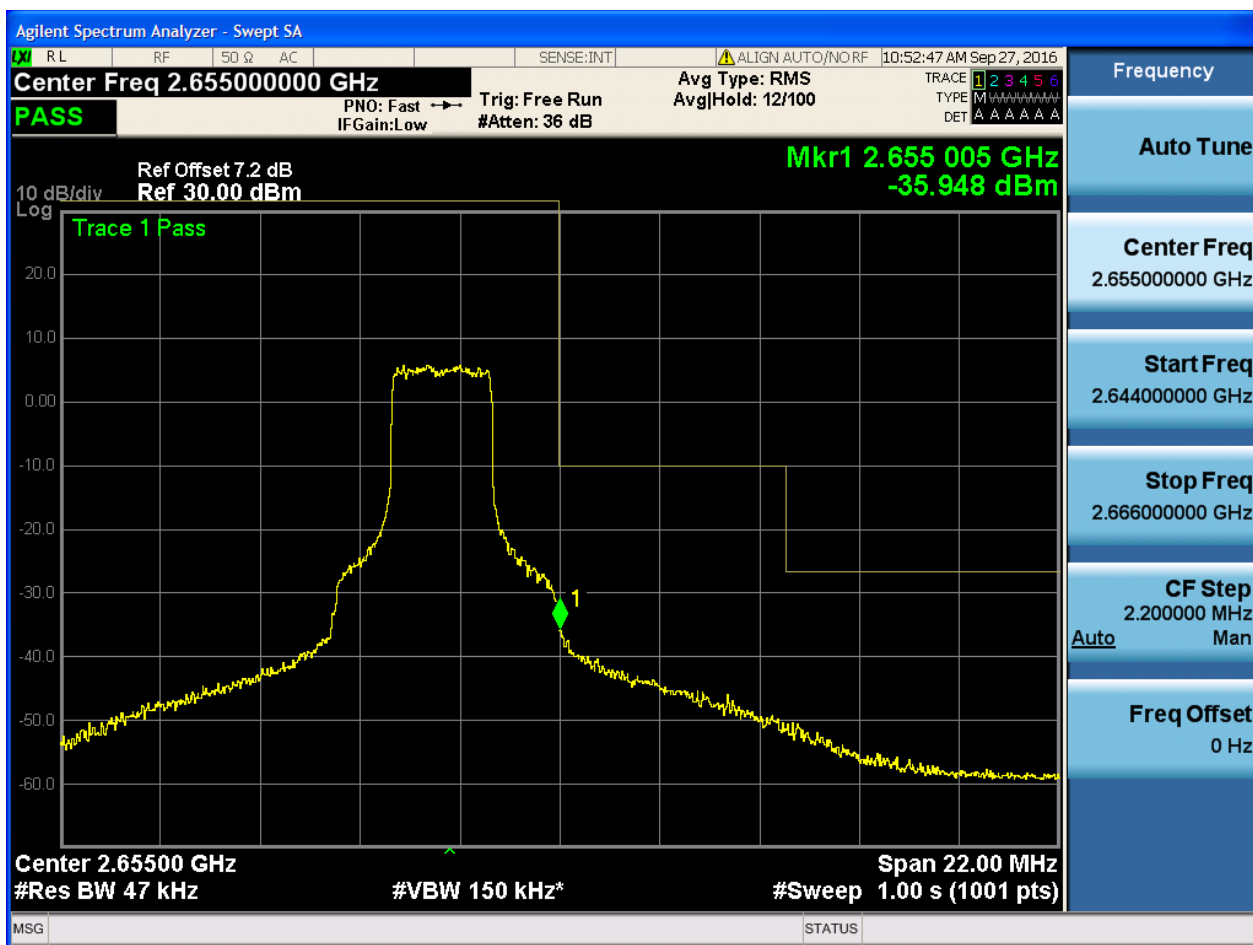
Meas Uncal

The image shows a screenshot of an Agilent Spectrum Analyzer. The main display is a log-linear plot of power spectral density. The horizontal axis represents frequency, with a center frequency of 2.65500 GHz and a span of 22.00 MHz. The vertical axis represents power, with a reference level of 30.00 dBm and a resolution bandwidth of 5.1 kHz. A single trace, labeled 'Trace 1 Pass', shows a noisy signal with a prominent peak at 2.655005 GHz, which is marked with a green diamond and labeled '1'. The peak power is -33.704 dBm. The background is dark gray with a light gray grid. The top of the screen displays various instrument settings and status information, including the center frequency, span, resolution bandwidth, and a 'PASS' indicator. The right side of the screen shows a list of parameters and their values, such as 'Auto Tune', 'Center Freq', 'Start Freq', 'Stop Freq', 'CF Step', and 'Freq Offset'. The bottom of the screen shows a status bar with 'MSG', 'STATUS', and 'Meas Uncal'.

| Parameter   | Value           |
|-------------|-----------------|
| Center Freq | 2.655000000 GHz |
| Start Freq  | 2.644000000 GHz |
| Stop Freq   | 2.666000000 GHz |
| CF Step     | 2.200000 MHz    |
| Freq Offset | 0 Hz            |



## 5.1.1.2.1.2.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.65500000 GHz

PASS

Ref Offset 7.2 dB  
Ref 30.00 dBm

Mkr1 2.655 005 GHz  
-29.614 dBm

Trace 1 Pass

Center 2.65500 GHz  
#Res BW 91 kHz

Span 22.00 MHz  
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq  
2.655000000 GHz

Start Freq  
2.644000000 GHz

Stop Freq  
2.666000000 GHz

CF Step  
2.200000 MHz  
Man

Freq Offset  
0 Hz

10 dB/div  
Log

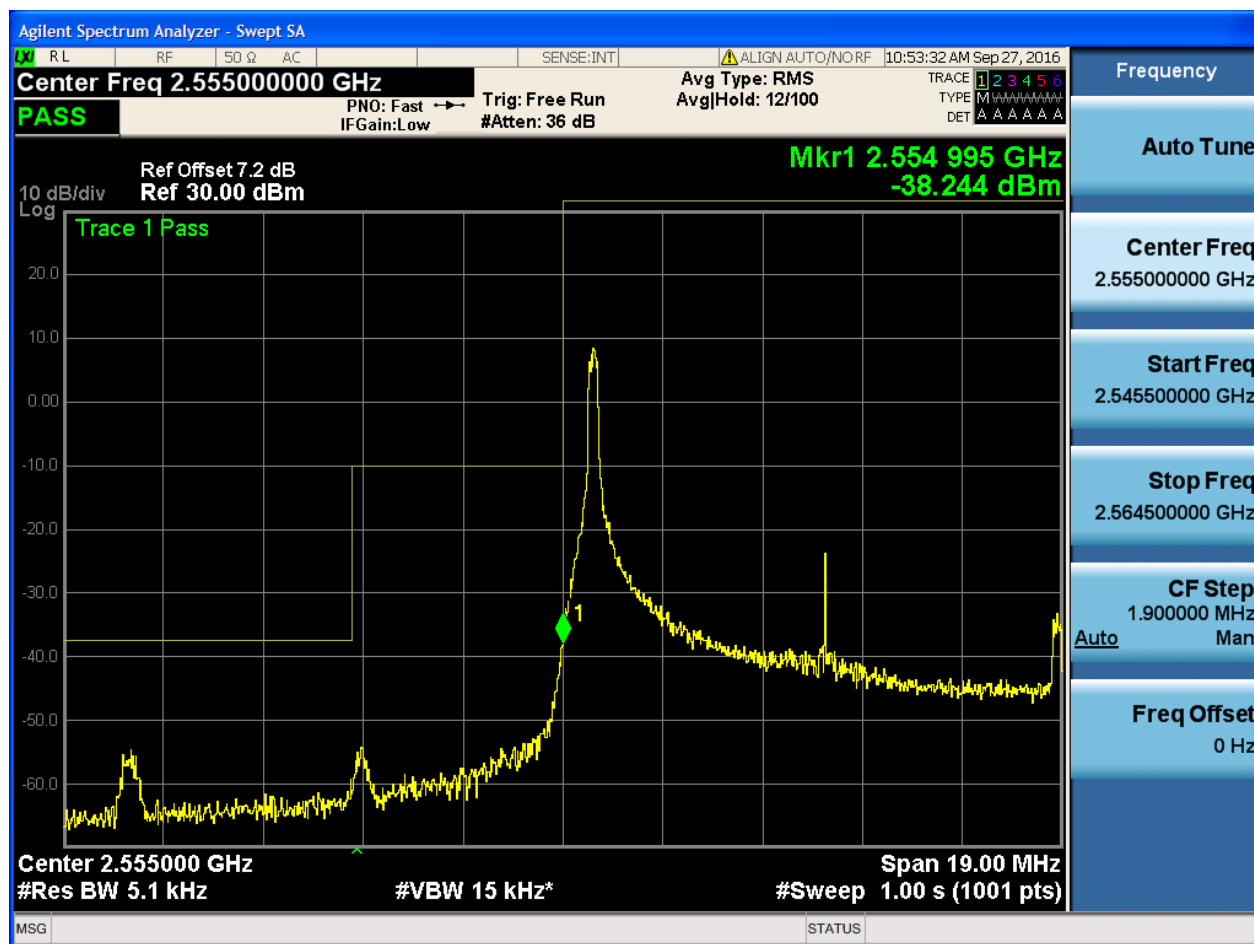
MSG

STATUS

### 5.1.1.2.2 Test Bandwidth = 10

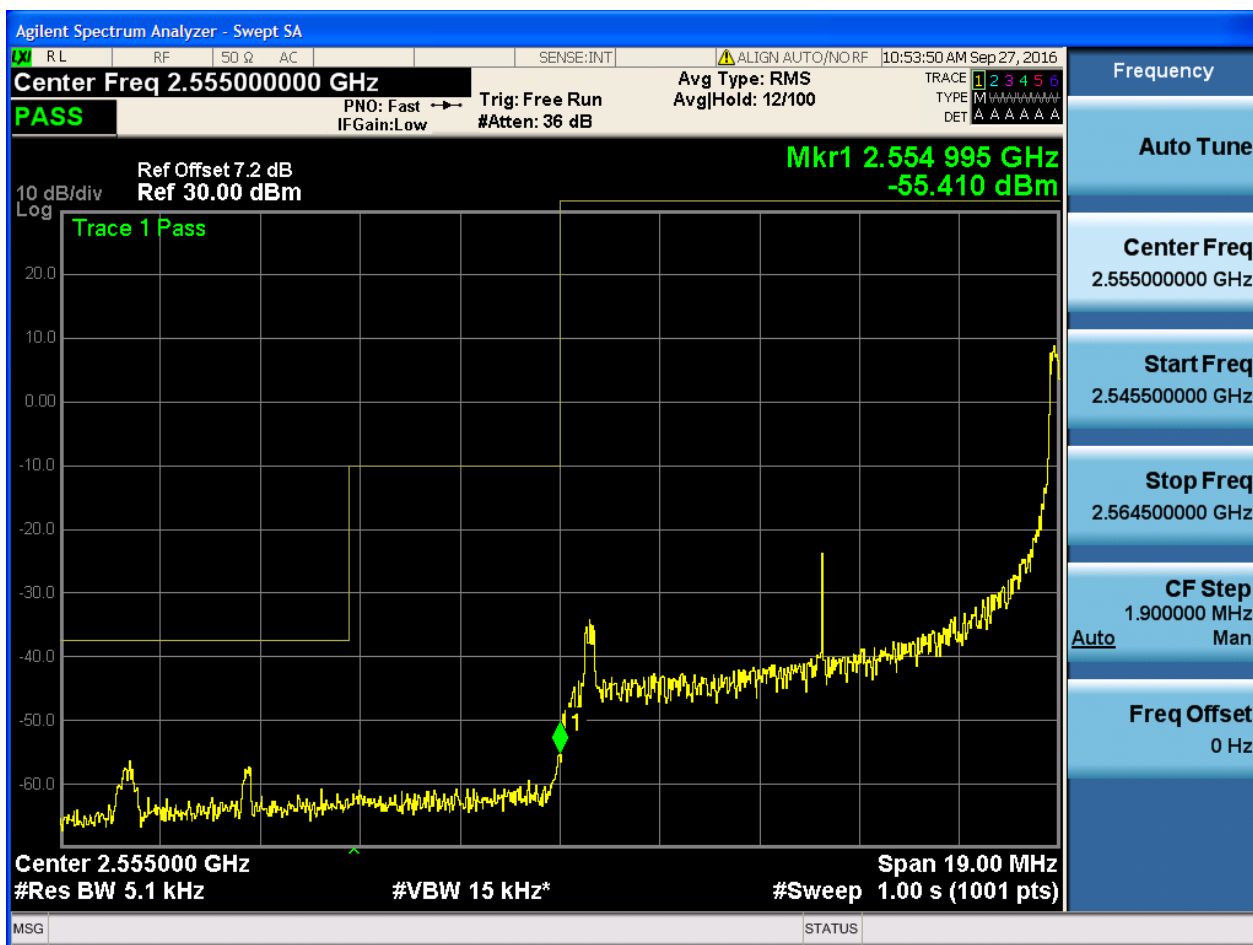
#### 5.1.1.2.2.1 Test Channel = LCH

##### 5.1.1.2.2.1.1 Test RB = RB1#0



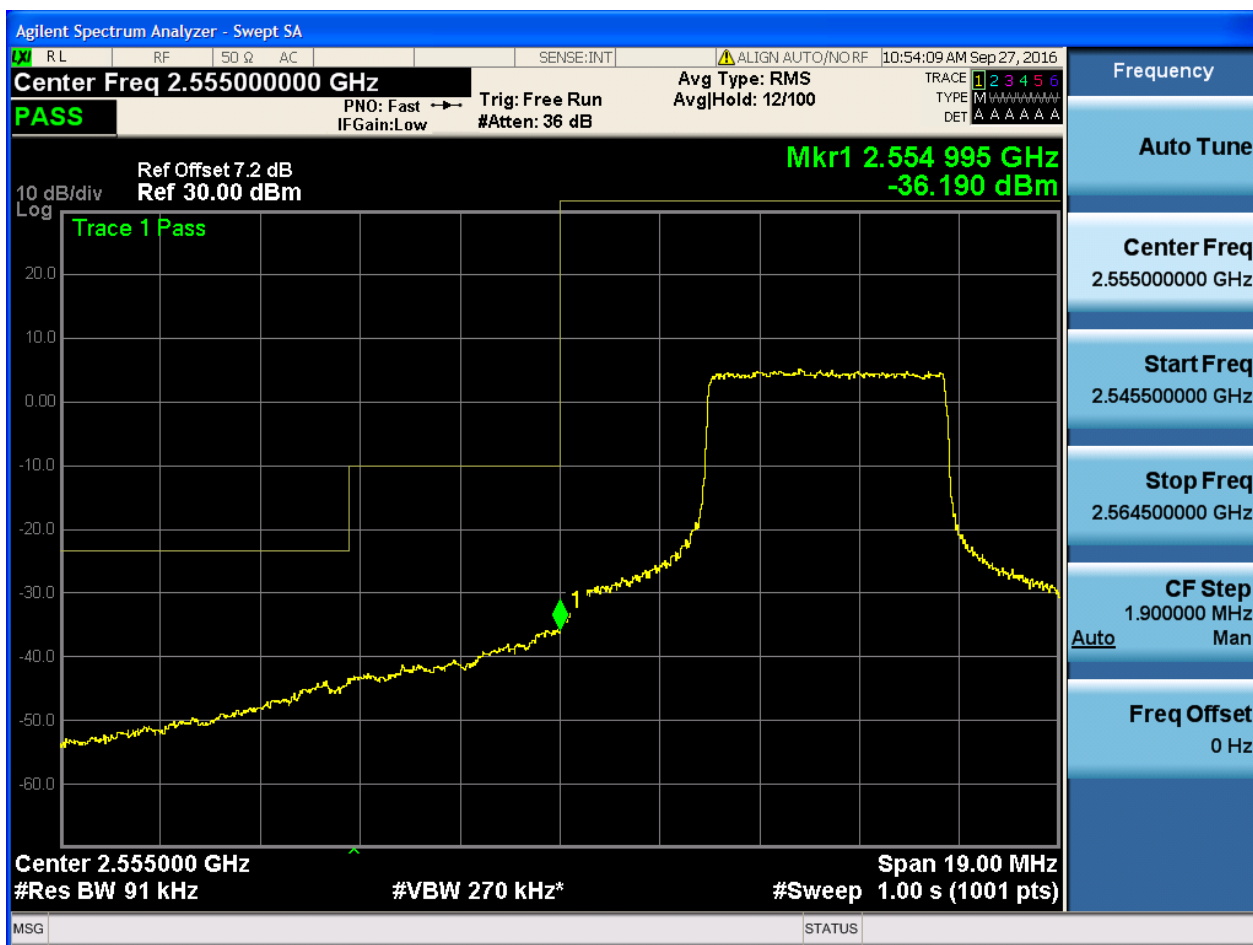


## 5.1.1.2.2.1.2 Test RB = RB1#49





## 5.1.1.2.2.1.3 Test RB = RB25#13





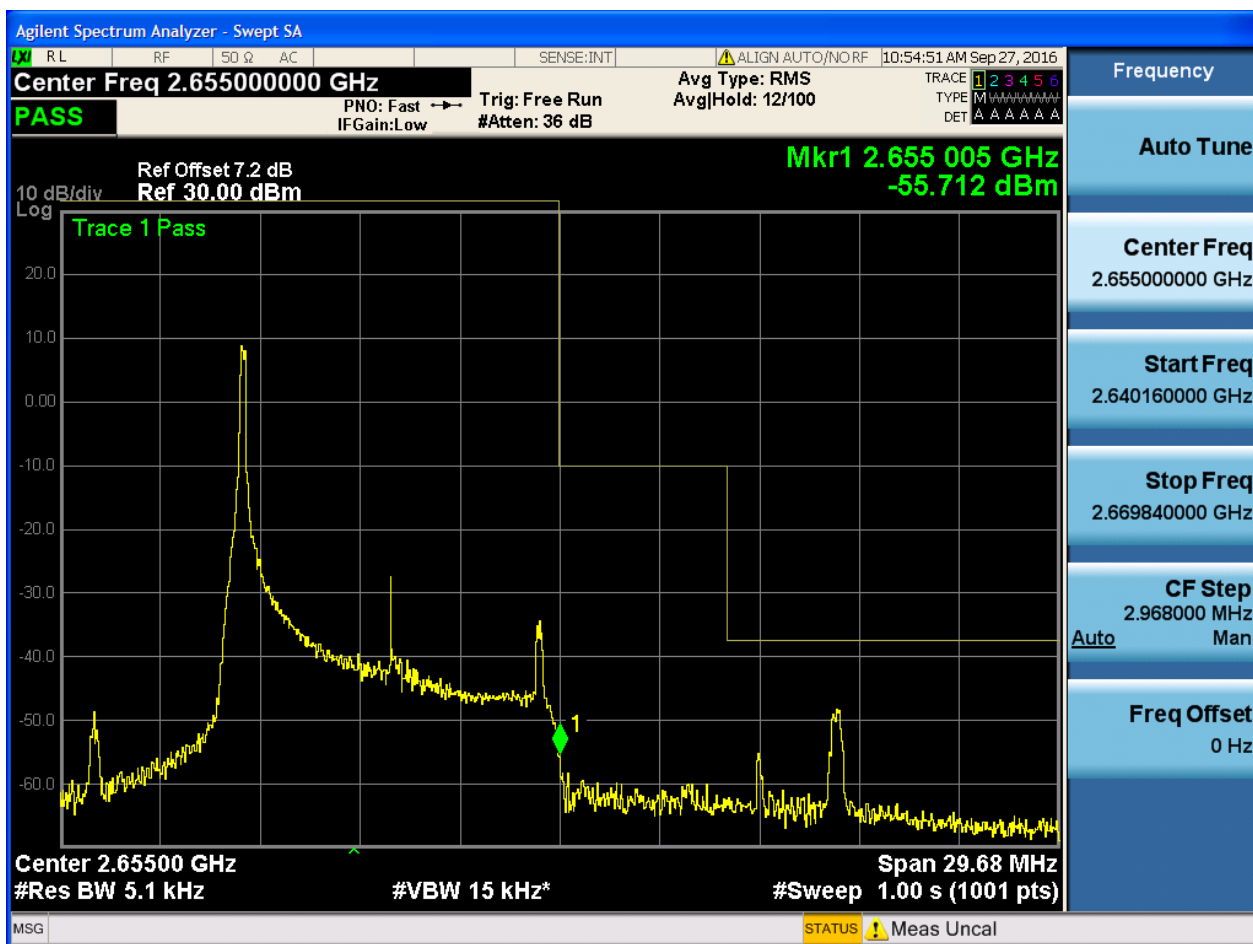
## 5.1.1.2.2.1.4 Test RB = RB50#0





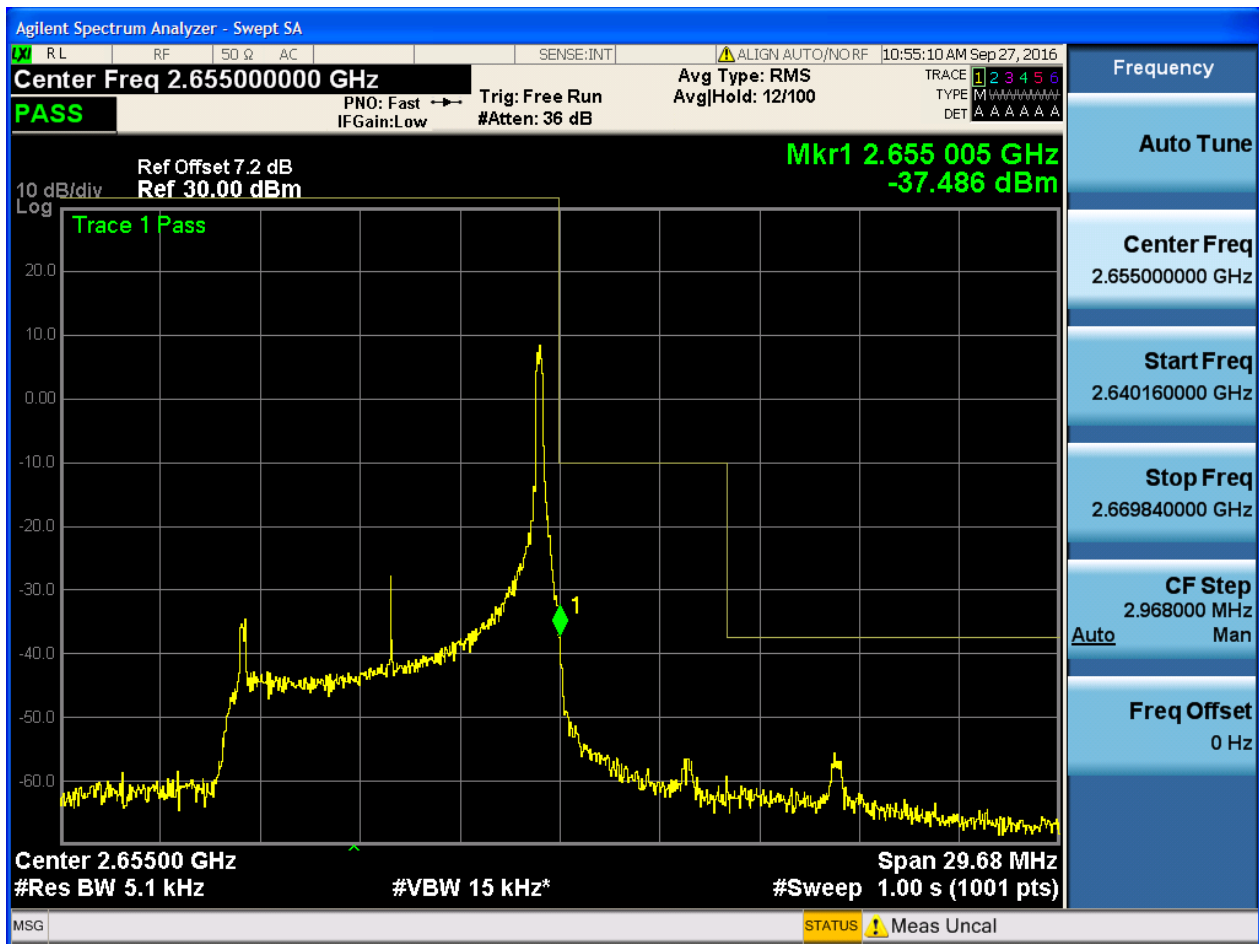
## 5.1.1.2.2.2 Test Channel = HCH

## 5.1.1.2.2.1 Test RB = RB1#0





## 5.1.1.2.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.65500000 GHz

PASS

Ref Offset 7.2 dB  
Ref 30.00 dBm

Mkr1 2.655 005 GHz  
-37.334 dBm

Trace 1 Pass

Center 2.65500 GHz  
#Res BW 91 kHz  
#VBW 270 kHz\*

Span 29.68 MHz  
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq  
2.65500000 GHz

Start Freq  
2.640160000 GHz

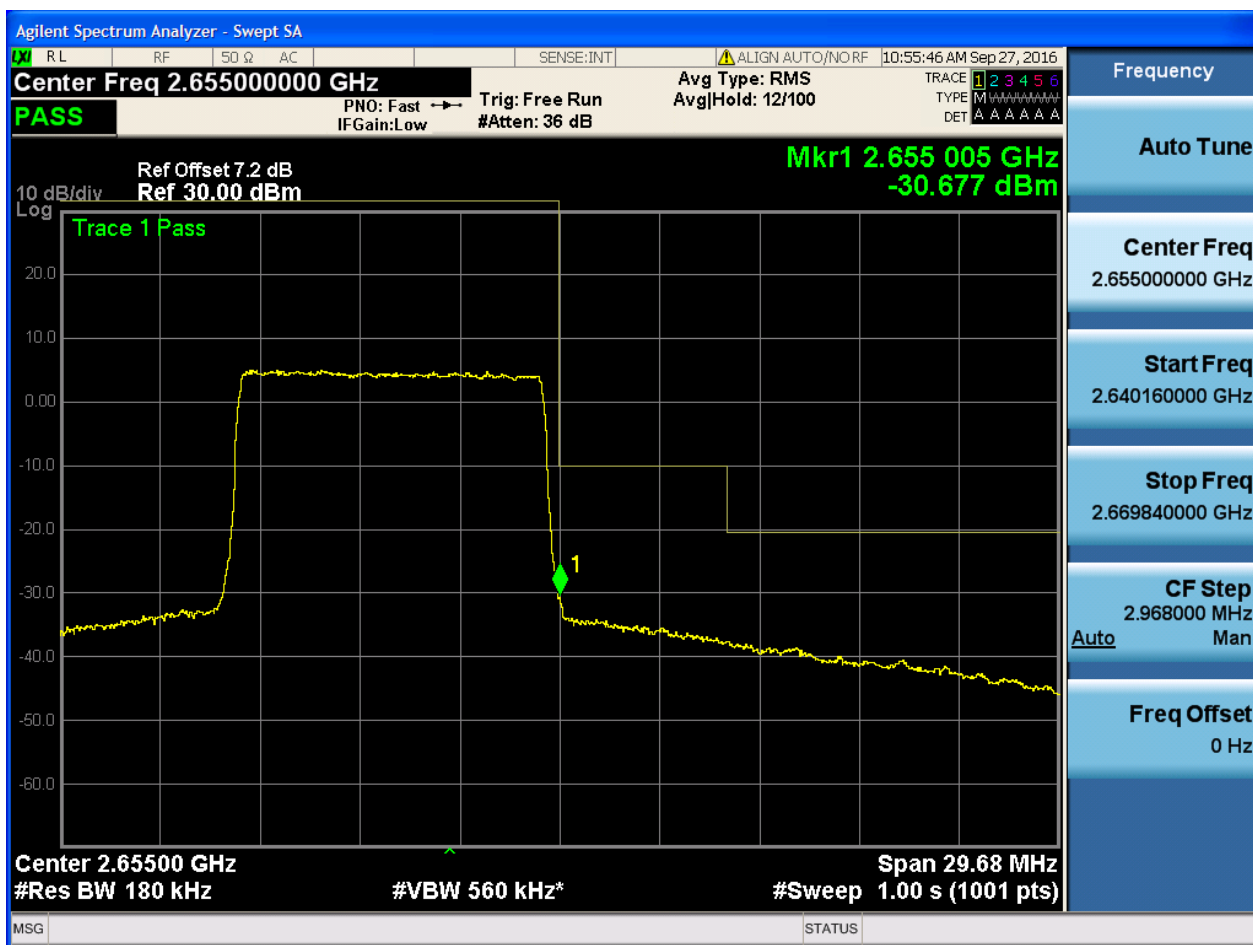
Stop Freq  
2.669840000 GHz

CF Step  
2.968000 MHz  
Auto Man

Freq Offset  
0 Hz



## 5.1.1.2.2.4 Test RB = RB50#0

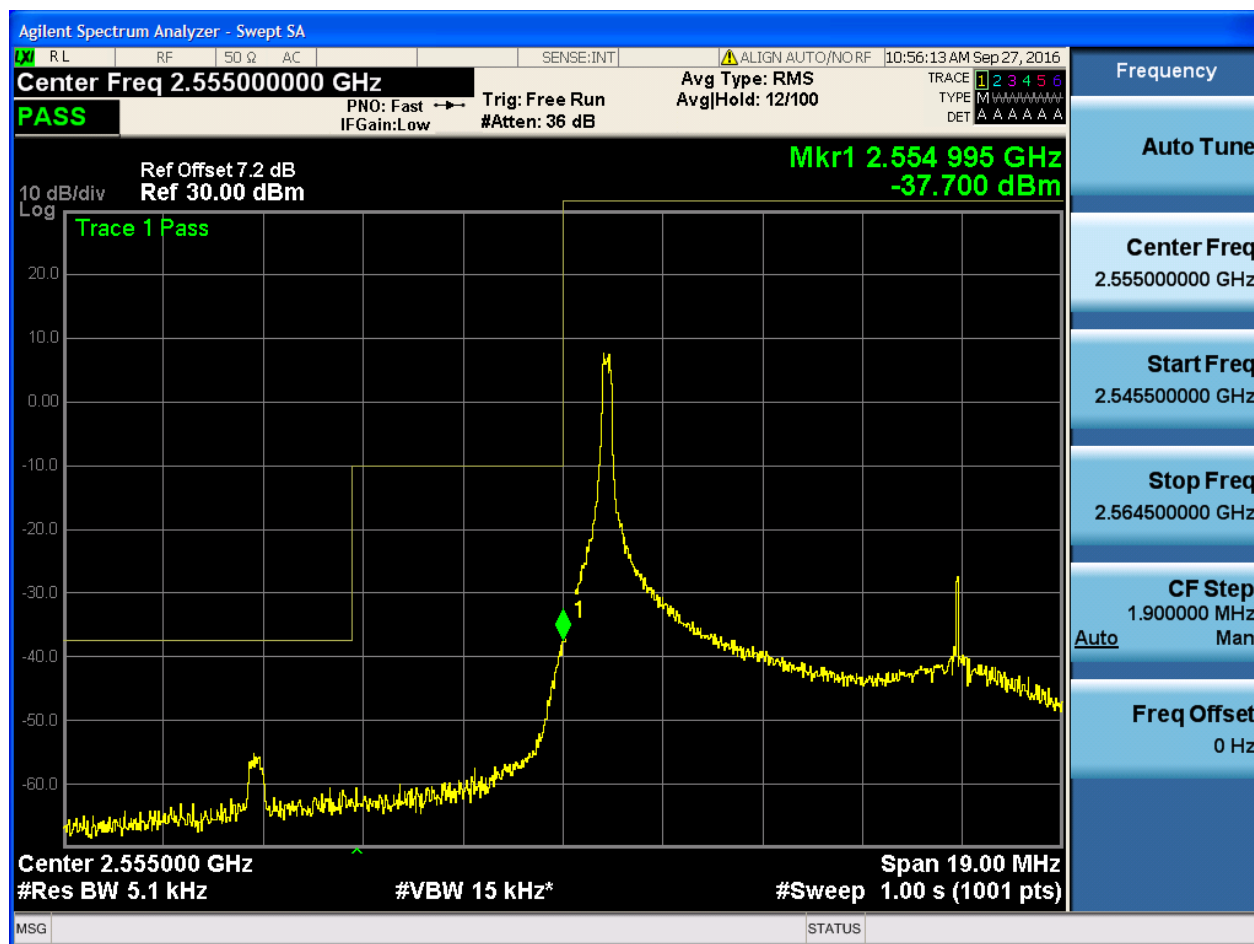




## 5.1.1.2.3 Test Bandwidth = 15

## 5.1.1.2.5.1 Test Channel = LCH

## 5.1.1.2.5.1.1 Test RB = RB1#0





## 5.1.1.2.5.1.2 Test RB = RB1#74





## 5.1.1.2.5.1.3 Test RB = RB36#18





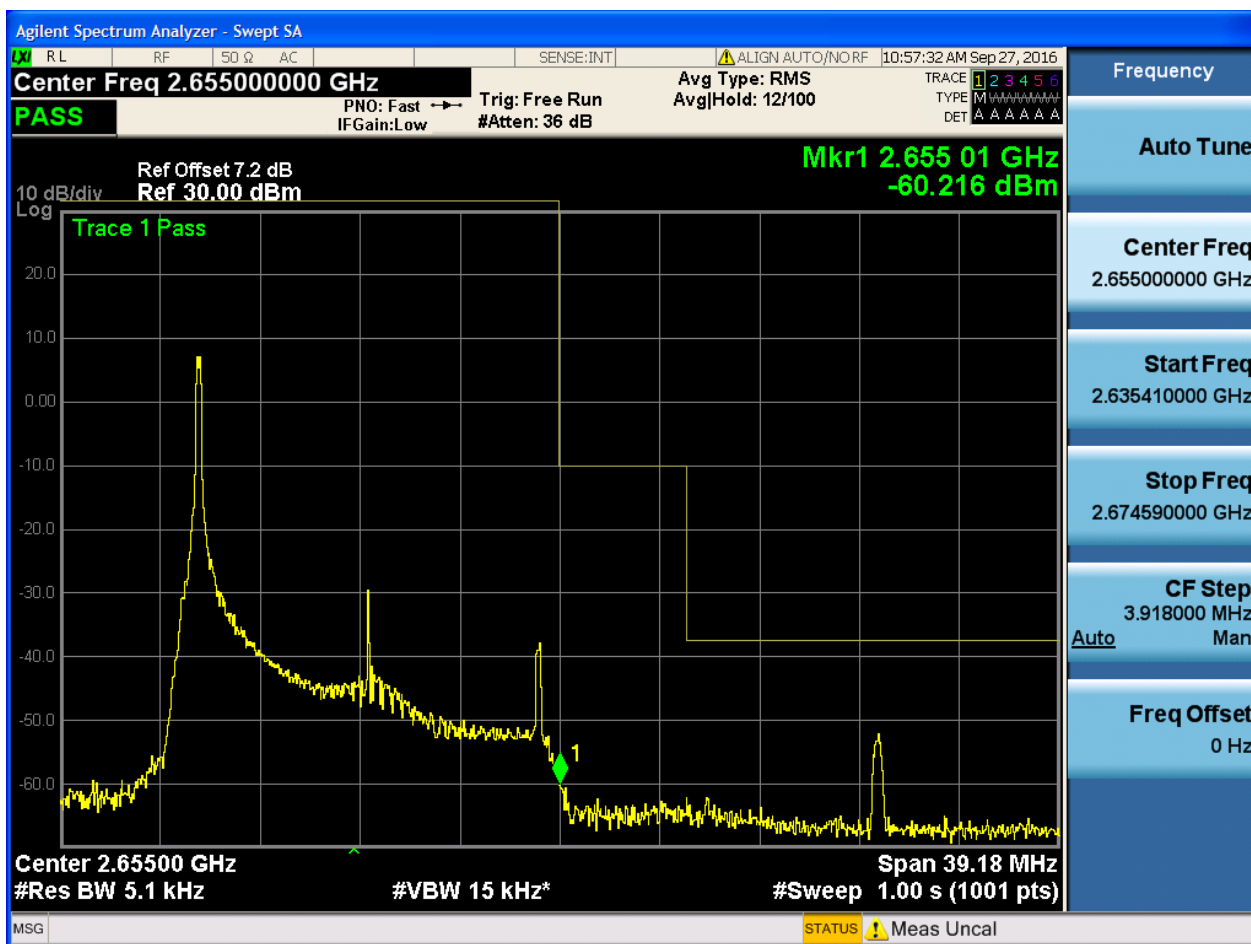
## 5.1.1.2.5.1.4 Test RB = RB75#0





## 5.1.1.2.3.2 Test Channel = HCH

## 5.1.1.2.3.2.1 Test RB = RB1#0





## 5.1.1.2.3.2.2 Test RB = RB1#74





## 5.1.1.2.3.2.3 Test RB = RB36#18





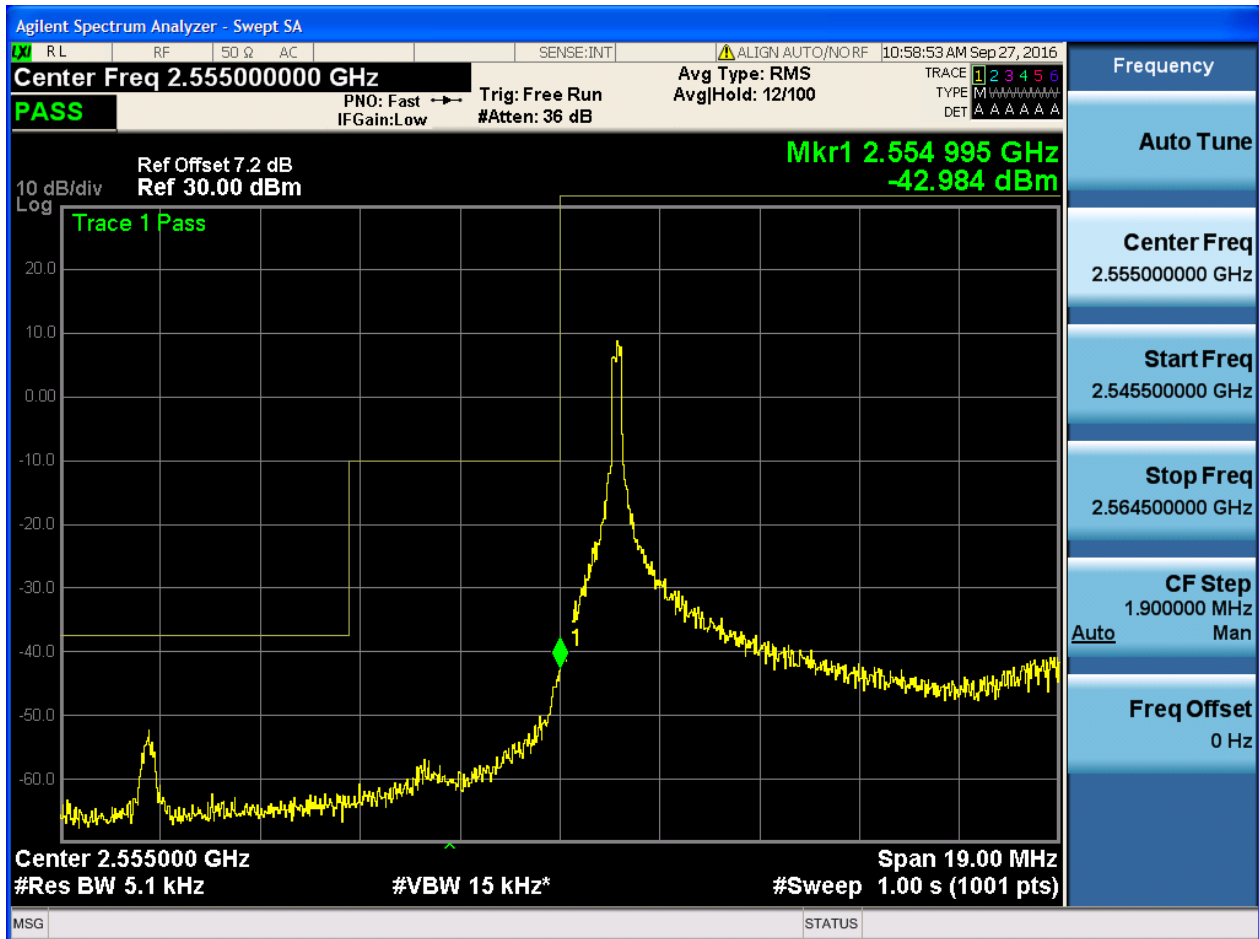
## 5.1.1.2.3.2.4 Test RB = RB75#0



#### 5.1.1.2.4 Test Bandwidth = 20

##### 5.1.1.2.4.1 Test Channel = LCH

##### 5.1.1.2.4.1.1 Test RB = RB1#0





## 5.1.1.2.4.1.2 Test RB = RB1#99

