



## 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 |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
| BAND7          | LTE/TM1   | 5              | LCH          | RB1#0   | 22.32          | 24.82      | 33          | PASS    |
|                |           |                |              | RB1#13  | 23.25          | 25.75      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.73          | 25.23      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.97          | 24.47      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.31          | 24.81      | 33          | PASS    |
|                |           |                |              | RB12#13 | 22.16          | 24.66      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.1           | 24.6       | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.68          | 25.18      | 33          | PASS    |
|                |           |                |              | RB1#13  | 23.33          | 25.83      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.79          | 25.29      | 33          | PASS    |
|                |           |                |              | RB12#0  | 22.11          | 24.61      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.34          | 24.84      | 33          | PASS    |
|                |           |                |              | RB12#13 | 22.21          | 24.71      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 22.2           | 24.7       | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.5           | 25         | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.99          | 25.49      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.38          | 24.88      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.93          | 24.43      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.12          | 24.62      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.9           | 24.4       | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.9           | 24.4       | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.2           | 24.7       | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.39          | 25.89      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.99          | 25.49      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.81          | 24.31      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.2           | 24.7       | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.17          | 24.67      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.04          | 24.54      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.51          | 25.01      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.33          | 25.83      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#49  | 22.77          | 25.27      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.92          | 24.42      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.18          | 24.68      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.02          | 24.52      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.96          | 24.46      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.39          | 24.89      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.03          | 25.53      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.24          | 24.74      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.76          | 24.26      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.9           | 24.4       | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.61          | 24.11      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.78          | 24.28      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.7           | 25.2       | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.42          | 25.92      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.8           | 25.3       | 33          | PASS    |
|                |           |                |              | RB36#0  | 22.13          | 24.63      | 33          | PASS    |
|                |           |                |              | RB36#18 | 22.36          | 24.86      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB36#39 | 22.29          | 24.79      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.27          | 24.77      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.87          | 25.37      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.27          | 25.77      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.66          | 25.16      | 33          | PASS    |
|                |           |                |              | RB36#0  | 22.1           | 24.6       | 33          | PASS    |
|                |           |                |              | RB36#18 | 22.25          | 24.75      | 33          | PASS    |
|                |           |                |              | RB36#39 | 22.12          | 24.62      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.16          | 24.66      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.09          | 25.59      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.03          | 25.53      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.1           | 24.6       | 33          | PASS    |
|                |           |                |              | RB36#0  | 22.08          | 24.58      | 33          | PASS    |
|                |           |                |              | RB36#18 | 22.02          | 24.52      | 33          | PASS    |
|                |           |                |              | RB36#39 | 21.78          | 24.28      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.15          | 24.65      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.24          | 24.74      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#50  | 22.67          | 25.17      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.17          | 24.67      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.43          | 23.93      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.53          | 24.03      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.6           | 24.1       | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.63          | 24.13      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.39          | 24.89      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.42          | 24.92      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.37          | 24.87      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.38          | 23.88      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.39          | 23.89      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.5           | 24         | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.49          | 23.99      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.71          | 25.21      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.35          | 24.85      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.64          | 24.14      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.71          | 24.21      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB50#25 | 21.44          | 23.94      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.21          | 23.71      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.56          | 24.06      | 33          | PASS    |
|                | LTE/TM2   | 5              | LCH          | RB1#0   | 22.02          | 24.52      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.93          | 25.43      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.49          | 24.99      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.35          | 23.85      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.71          | 24.21      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.58          | 24.08      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.53          | 24.03      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.33          | 24.83      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.99          | 25.49      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.48          | 24.98      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.56          | 24.06      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.82          | 24.32      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.7           | 24.2       | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.65          | 24.15      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 22.06          | 24.56      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.69          | 25.19      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.05          | 24.55      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.43          | 23.93      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.61          | 24.11      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.4           | 23.9       | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.42          | 23.92      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 21.92          | 24.42      | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.85          | 24.35      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.67          | 25.17      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.32          | 23.82      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.69          | 24.19      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.67          | 24.17      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.53          | 24.03      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.22          | 24.72      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.05          | 24.55      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.52          | 25.02      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 21.42          | 23.92      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.68          | 24.18      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.54          | 24.04      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.44          | 23.94      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.09          | 24.59      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.7           | 25.2       | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.02          | 24.52      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.38          | 23.88      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.55          | 24.05      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.29          | 23.79      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.39          | 23.89      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.4           | 24.9       | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.94          | 24.44      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.51          | 25.01      | 33          | PASS    |
|                |           |                |              | RB36#0  | 21.65          | 24.15      | 33          | PASS    |
|                |           |                |              | RB36#18 | 21.86          | 24.36      | 33          | PASS    |
|                |           |                |              | RB36#39 | 21.79          | 24.29      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB75#0  | 21.76          | 24.26      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.68          | 25.18      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.09          | 24.59      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.57          | 25.07      | 33          | PASS    |
|                |           |                |              | RB36#0  | 21.74          | 24.24      | 33          | PASS    |
|                |           |                |              | RB36#18 | 21.89          | 24.39      | 33          | PASS    |
|                |           |                |              | RB36#39 | 21.76          | 24.26      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.77          | 24.27      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23             | 25.5       | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.9           | 25.4       | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.06          | 24.56      | 33          | PASS    |
|                |           |                |              | RB36#0  | 21.68          | 24.18      | 33          | PASS    |
|                |           |                |              | RB36#18 | 21.65          | 24.15      | 33          | PASS    |
|                |           |                |              | RB36#39 | 21.45          | 23.95      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.79          | 24.29      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.15          | 24.65      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.66          | 25.16      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB1#99  | 22.18          | 24.68      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.78          | 23.28      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.93          | 23.43      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.97          | 23.47      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.89          | 23.39      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.31          | 24.81      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.37          | 24.87      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.42          | 24.92      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.02          | 23.52      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.04          | 23.54      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.14          | 23.64      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.1           | 23.6       | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.79          | 25.29      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.38          | 24.88      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.75          | 24.25      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.34          | 23.84      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.09          | 23.59      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|------------|-------------|---------|
|                |           |                |              | RB50#50 | 20.91          | 23.41      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.17          | 23.67      | 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:

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

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

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

SET Sweep time = 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 |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND7              | LTE/TM1   | 5                    | LCH          | RB1#0   | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.75         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.17         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.52         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.93         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.36         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.34         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.82         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.77         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.07         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.25         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.97         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.69         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.21         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.63         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.93         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.42         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.69         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.23         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.69         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.04         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#0  | 5.66         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.35         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.95         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.3          | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.73         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.84         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.42         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.5          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.81         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 3.77         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 3.5          | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 3.94         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.39         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.81         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 3.9          | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.22         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.07         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 3.93         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 3.89         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 3.89         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.62         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.85         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.31         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.23         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.6          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.73         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.95         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.13         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      | MCH          | RB1#0   | 4.34         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.39         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.3          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.98         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.51         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.15         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.33         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.87         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.95         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.21         | 13         | PASS    |
|                    | LTE/TM2   | 5                    | LCH          | RB1#0   | 4.9          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.32         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.44         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.73         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.16         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.65         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.91         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.9          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.18         | 13         | PASS    |
|                    |           | 10                   | HCH          | RB1#0   | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.26         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.13         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 4.64         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.01         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.46         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.95         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#13 | 5.59         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.82         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.23         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.9          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.35         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.99         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.23         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.61         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.47         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.3          | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.03         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.4          | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.25         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.95         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.44         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.3          | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.99         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 6.25         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.7          | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.6          | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.13         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.54         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.87         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#50  | 4.59         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.24         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.13         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.04         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.58         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.83         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.78         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.75         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.85         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.71         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.75         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 7.08         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.66         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.7          | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.93         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.5          | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.56         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.62         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.94         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

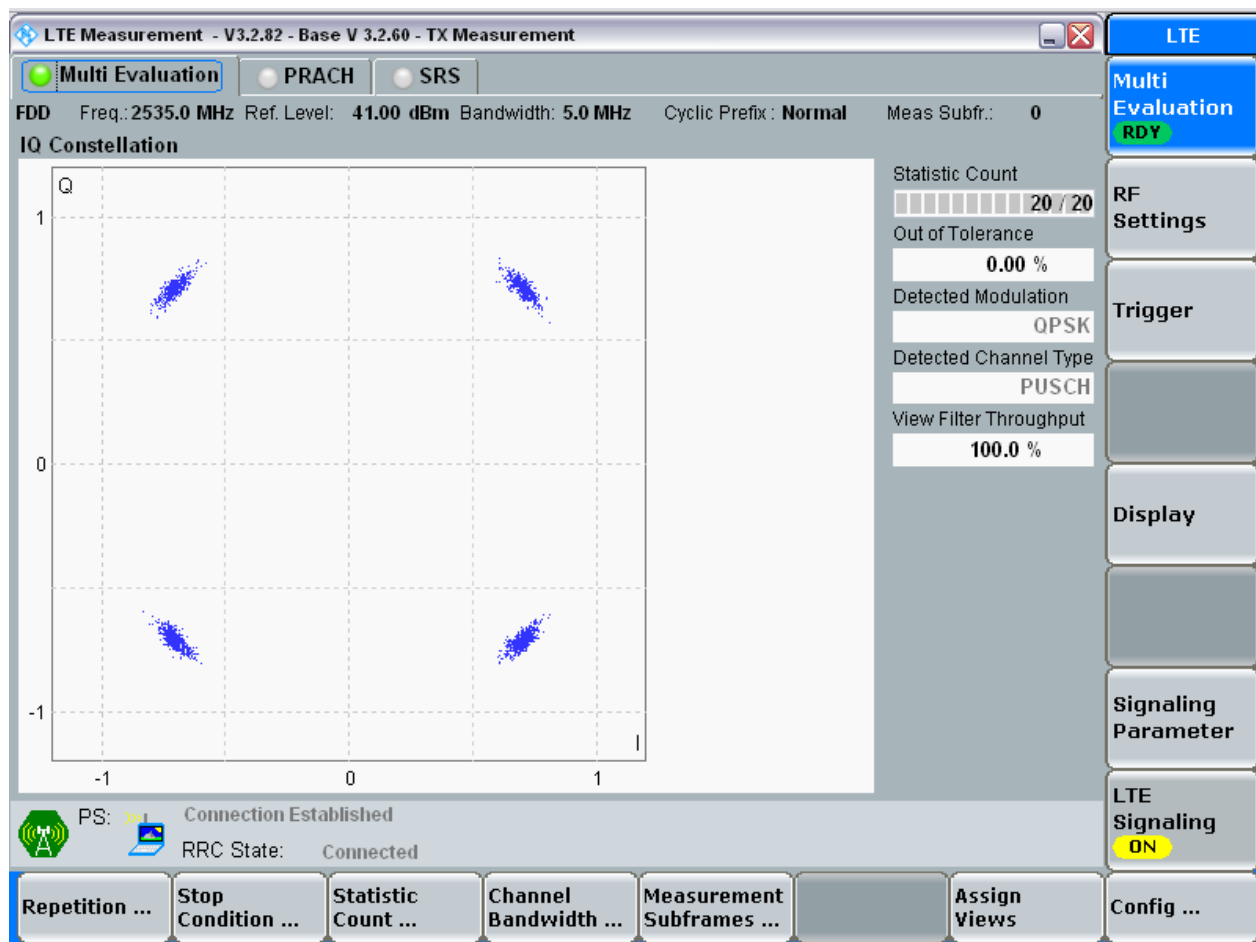
##### 3.1.1 Test Band = BAND7

##### 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

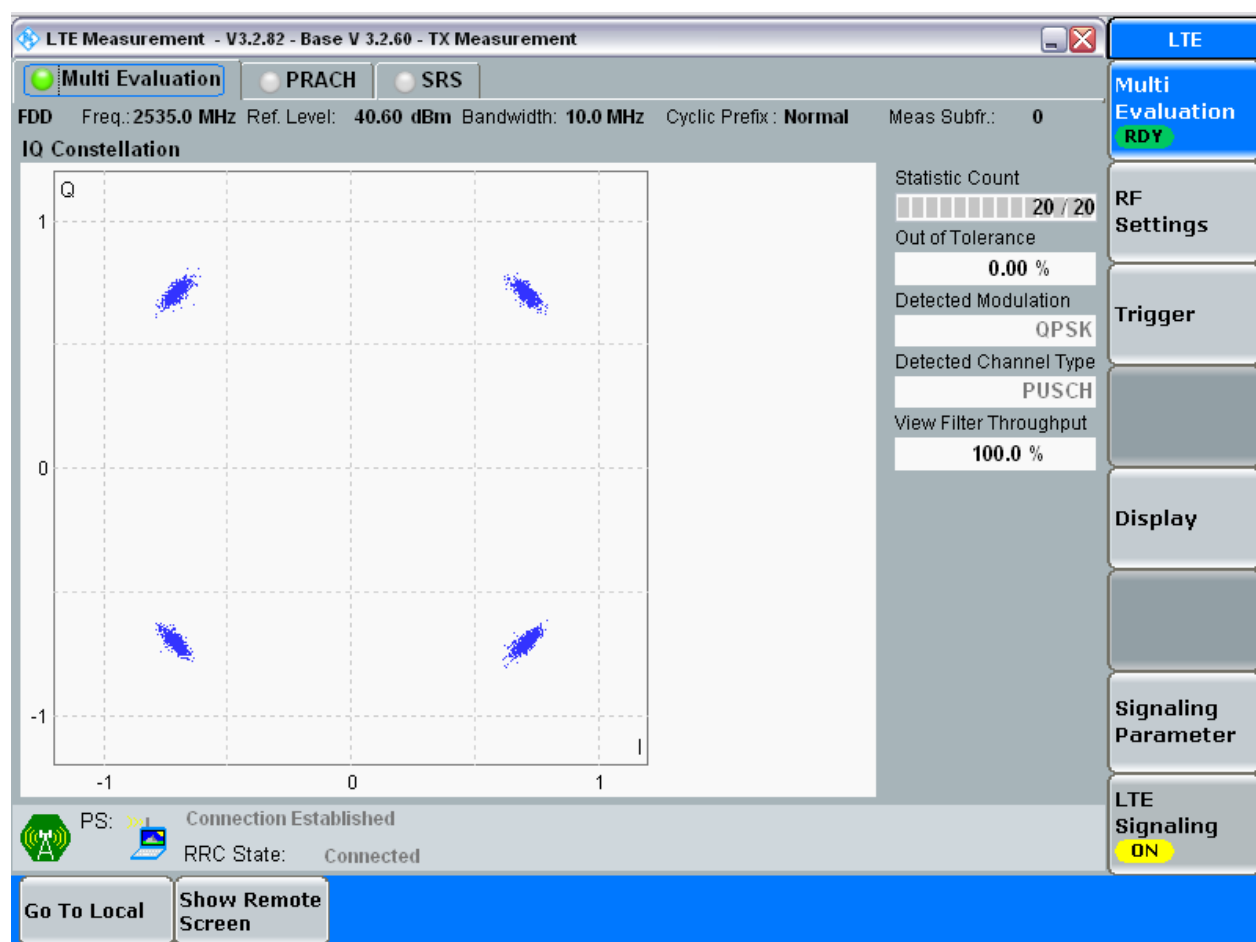
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 3.1.1.1.2 Test Bandwidth = 10

#### 3.1.1.1.2.1 Test Channel = MCH

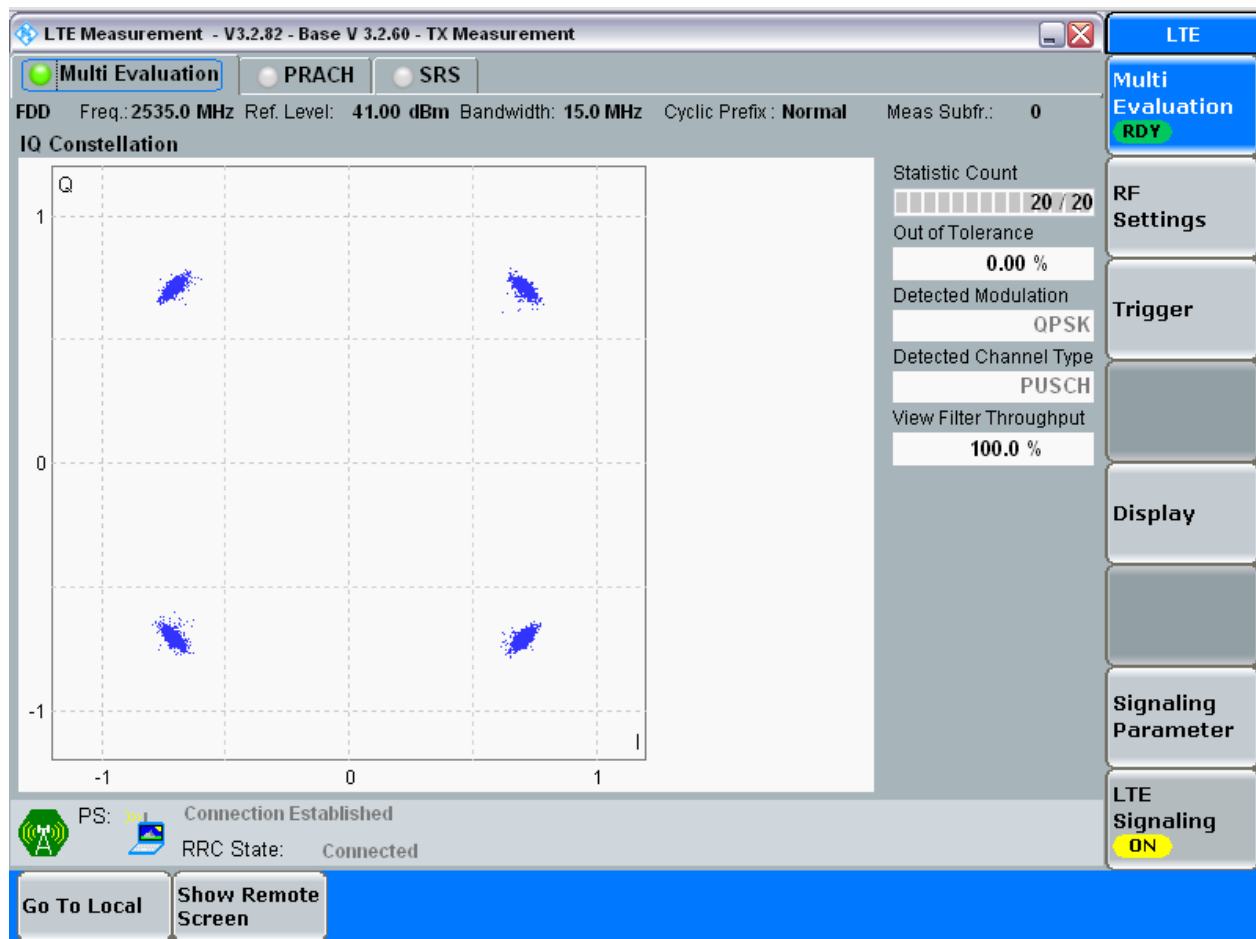
##### 3.1.1.1.2.1.1 Test RB = RB50#0



### 3.1.1.1.3 Test Bandwidth = 15

#### 3.1.1.1.3.1 Test Channel = MCH

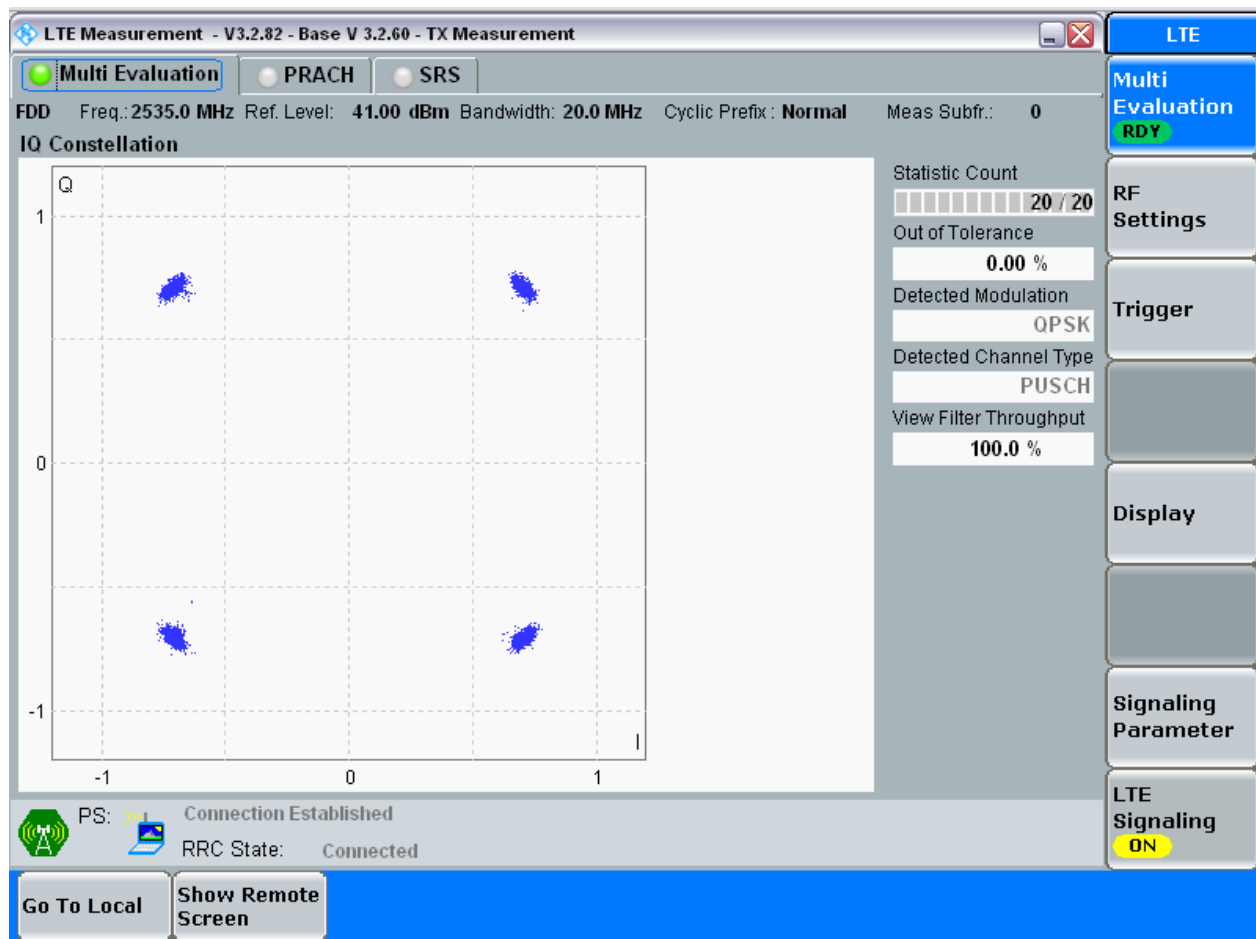
##### 3.1.1.1.3.1.1 Test RB = RB75#0



### 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

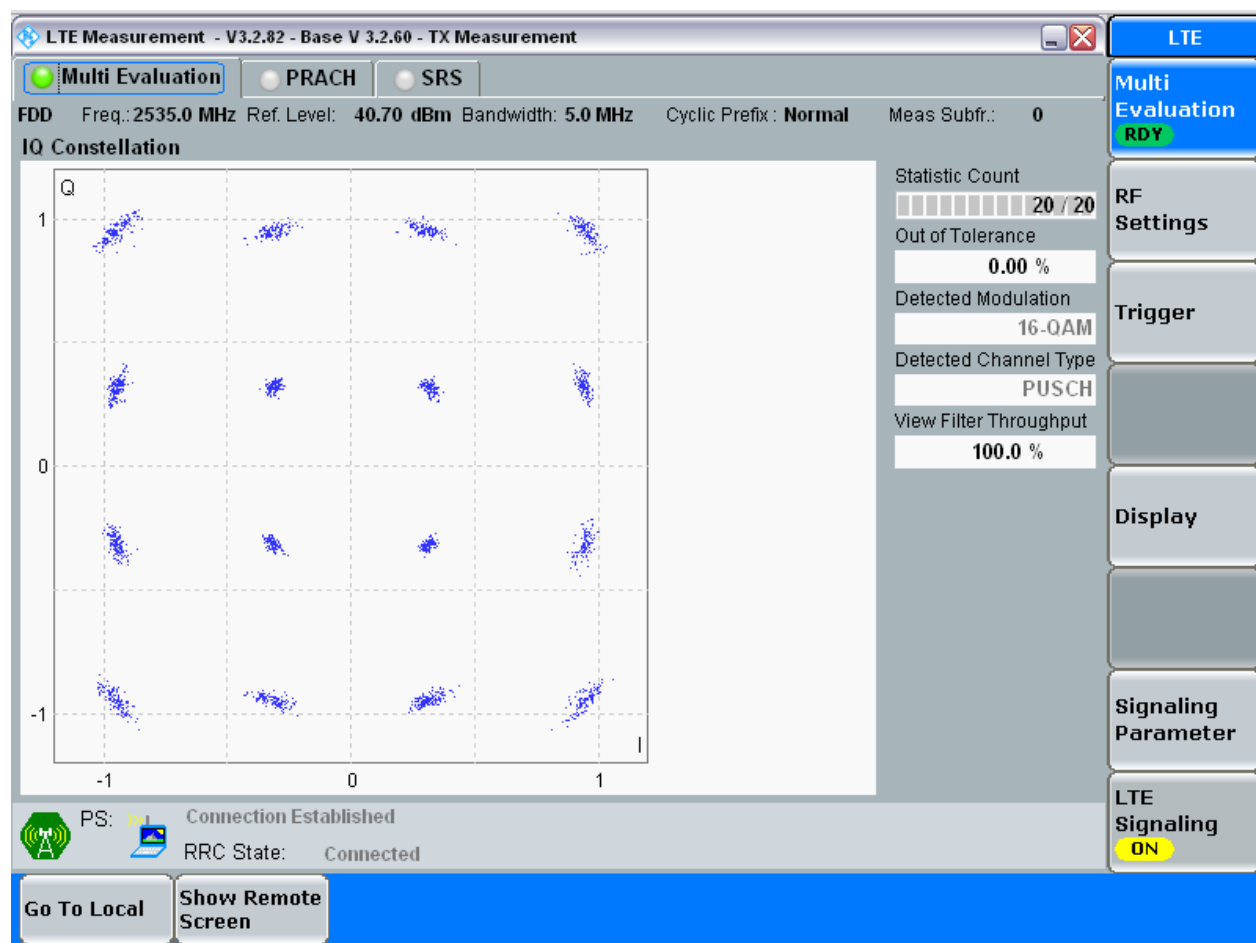


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5

##### 3.1.1.2.1.1 Test Channel = MCH

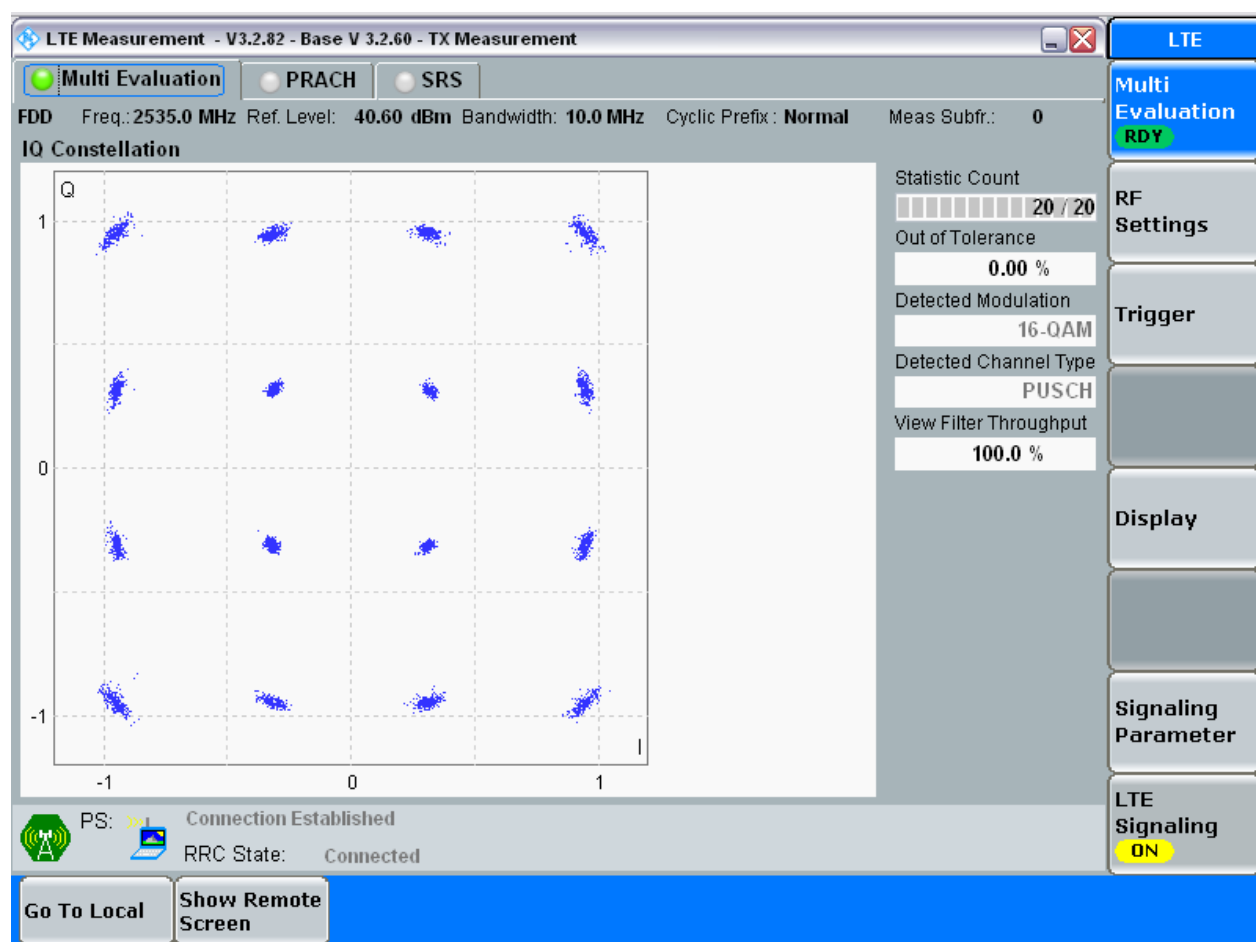
##### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.2 Test Bandwidth = 10

#### 3.1.1.2.2.1 Test Channel = MCH

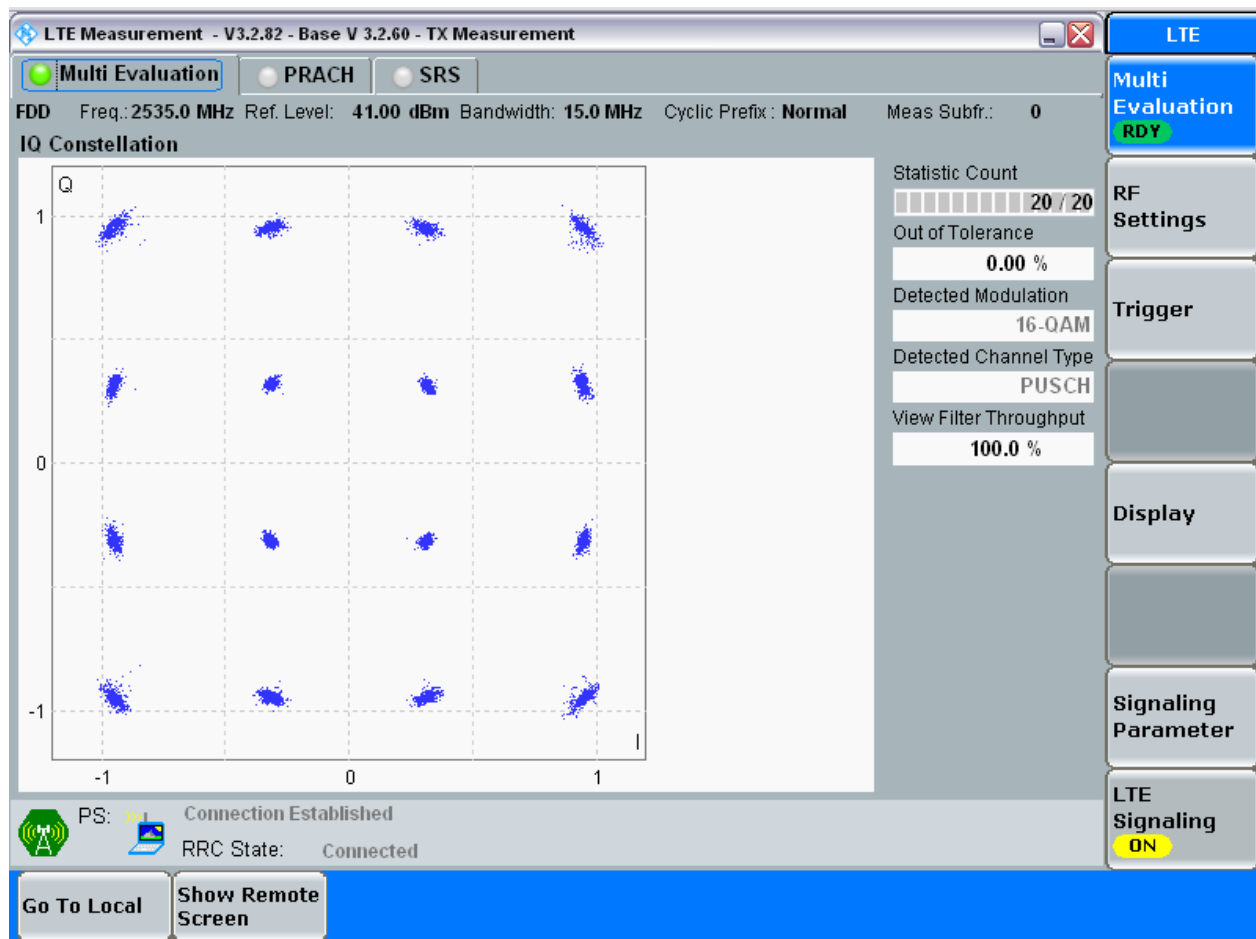
##### 3.1.1.2.2.1.1 Test RB = RB50#0



### 3.1.1.2.3 Test Bandwidth = 15

#### 3.1.1.2.3.1 Test Channel = MCH

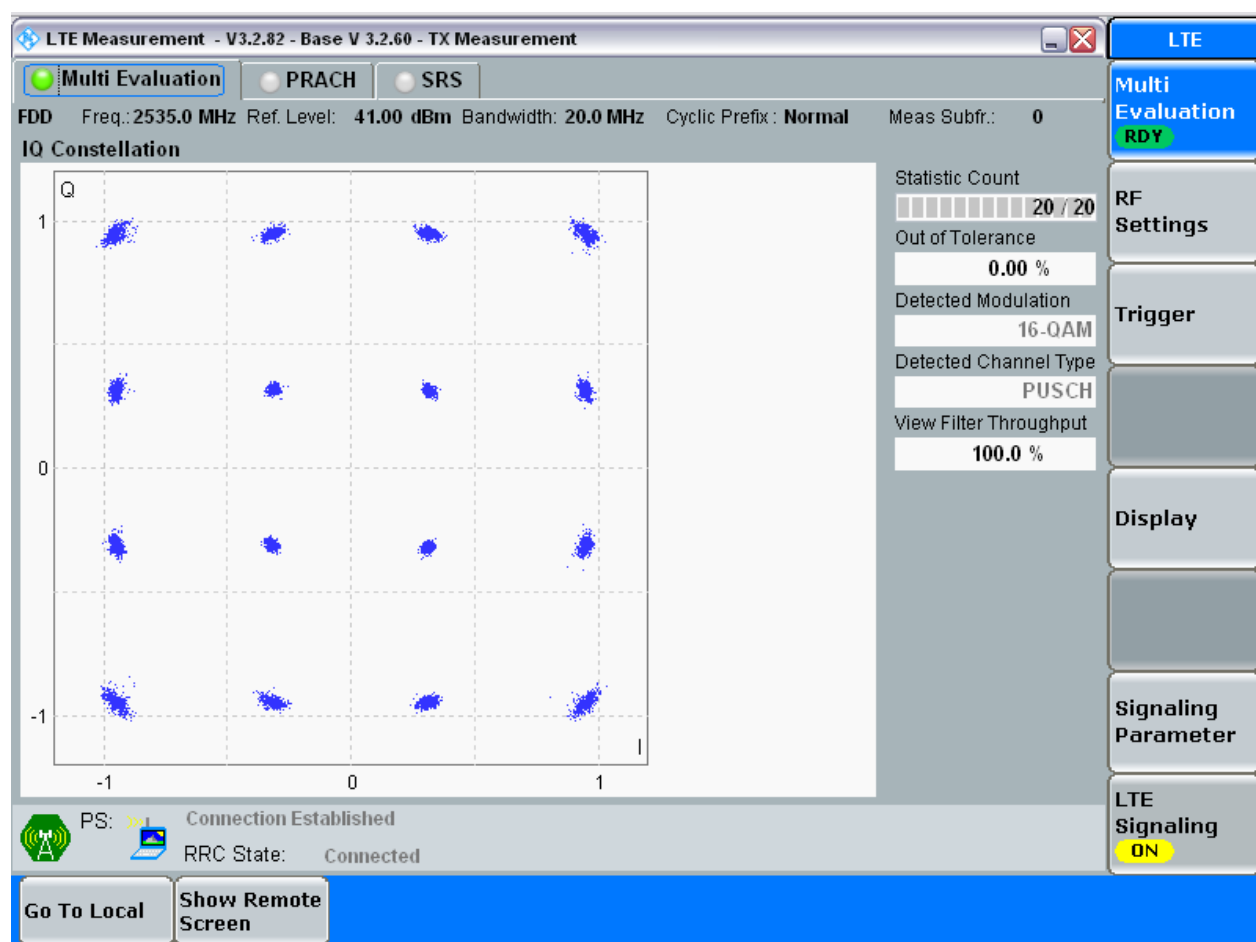
##### 3.1.1.2.3.1.1 Test RB = RB75#0



### 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 |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| BAND7     | LTE/TM1   | 5              | LCH          | RB25#0  | 4.49                     | 4.87                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.50                     | 4.85                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 4.88                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.99                     | 9.61                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.99                     | 9.69                     | Pass    |
|           |           |                | HCH          | RB50#0  | 9.00                     | 9.65                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.49                    | 14.38                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.50                    | 14.41                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.49                    | 14.45                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.96                    | 19.04                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.99                    | 19.02                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.97                    | 19.07                    | Pass    |
|           | LTE/TM2   | 5              | LCH          | RB25#0  | 4.50                     | 4.89                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.49                     | 4.86                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 4.86                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.99                     | 9.65                     | Pass    |
|           |           |                | MCH          | RB50#0  | 9.00                     | 9.64                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.99                     | 9.61                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.49                    | 14.49                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.49                    | 14.41                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.49                    | 14.40                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.95                    | 19.07                    | Pass    |
|           |           |                | MCH          | RB100#0 | 18.00                    | 19.07                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.99                    | 19.12                    | Pass    |



## Part II - Test Plots

### 4.2 For LTE

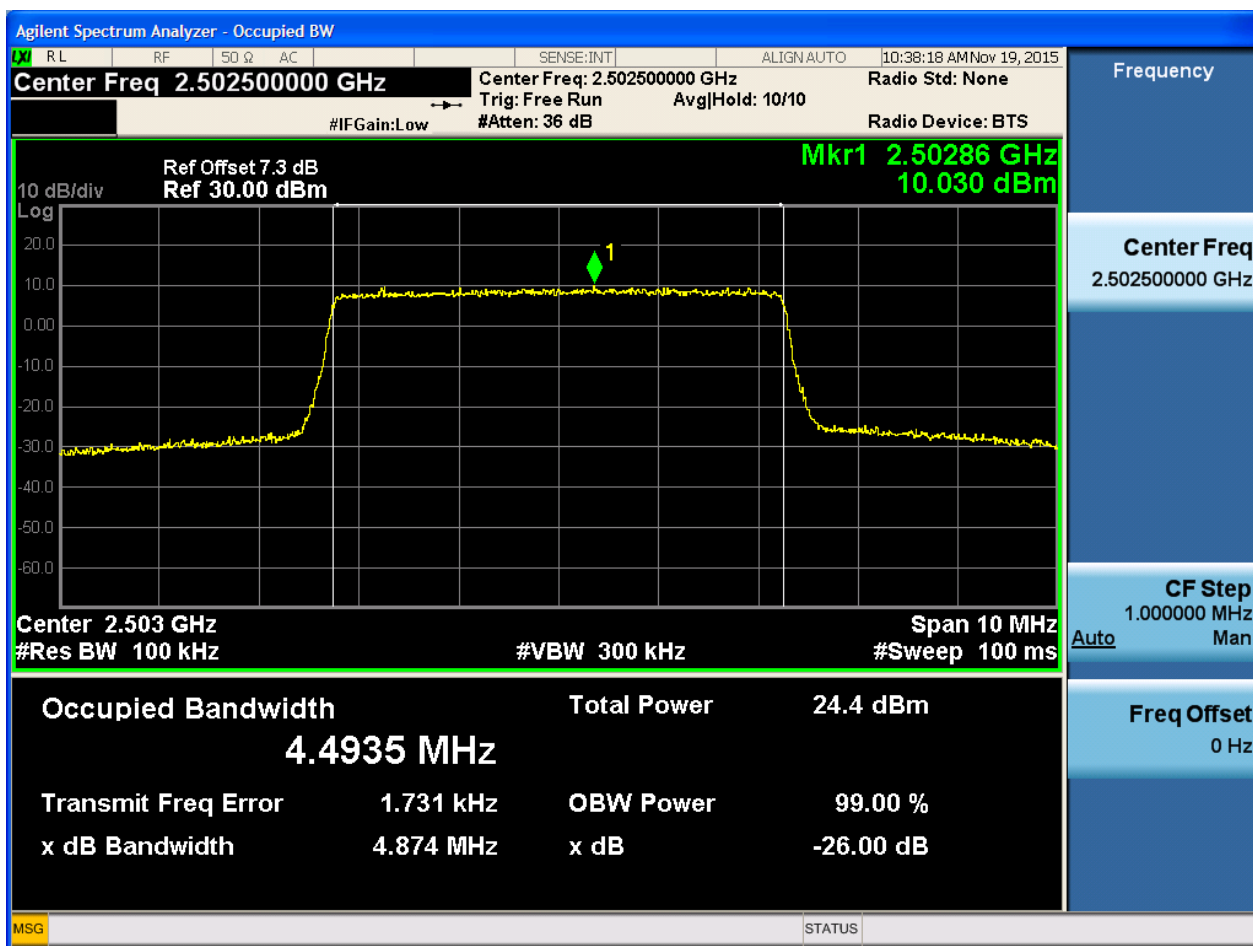
#### 4.2.1 Test Band = BAND7

##### 4.2.1.1 Test Mode = LTE/TM1

##### 4.2.1.1.1 Test Bandwidth = 5

##### 4.2.1.1.1.1 Test Channel = LCH

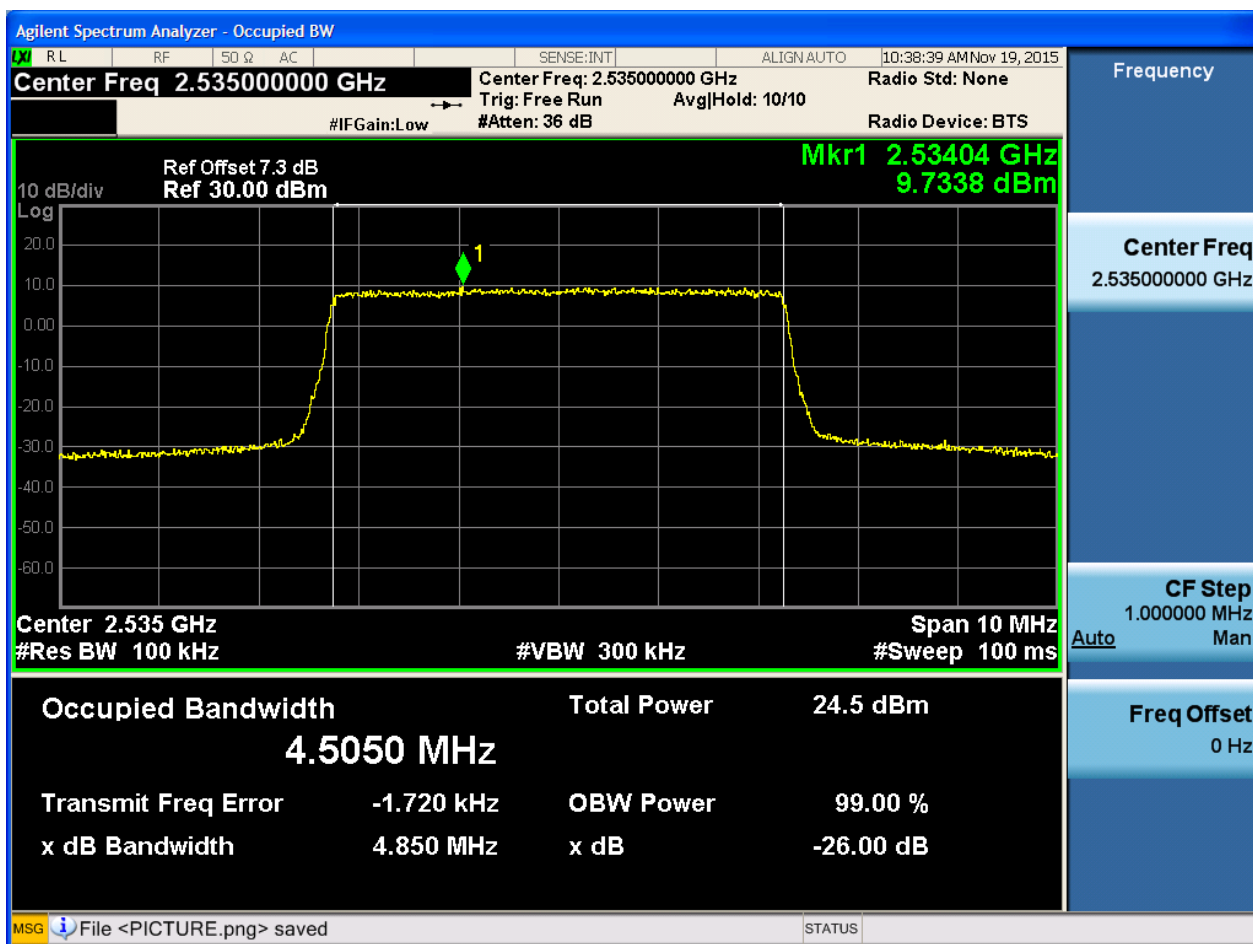
##### 4.2.1.1.1.1.1 Test RB = RB25#0





## 4.2.1.1.1.2 Test Channel = MCH

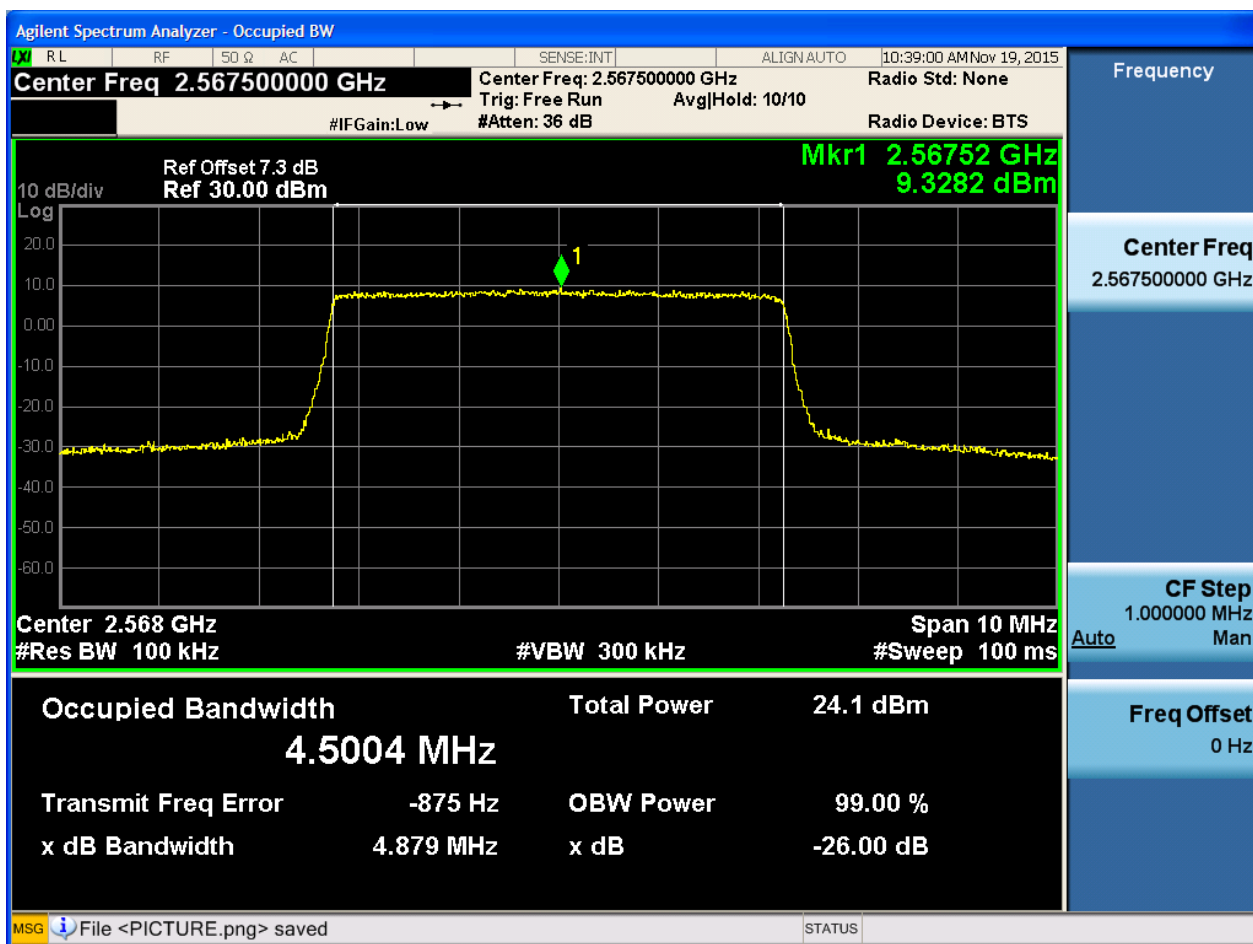
## 4.2.1.1.1.2.1 Test RB = RB25#0





## 4.2.1.1.1.3 Test Channel = HCH

## 4.2.1.1.1.3.1 Test RB = RB25#0

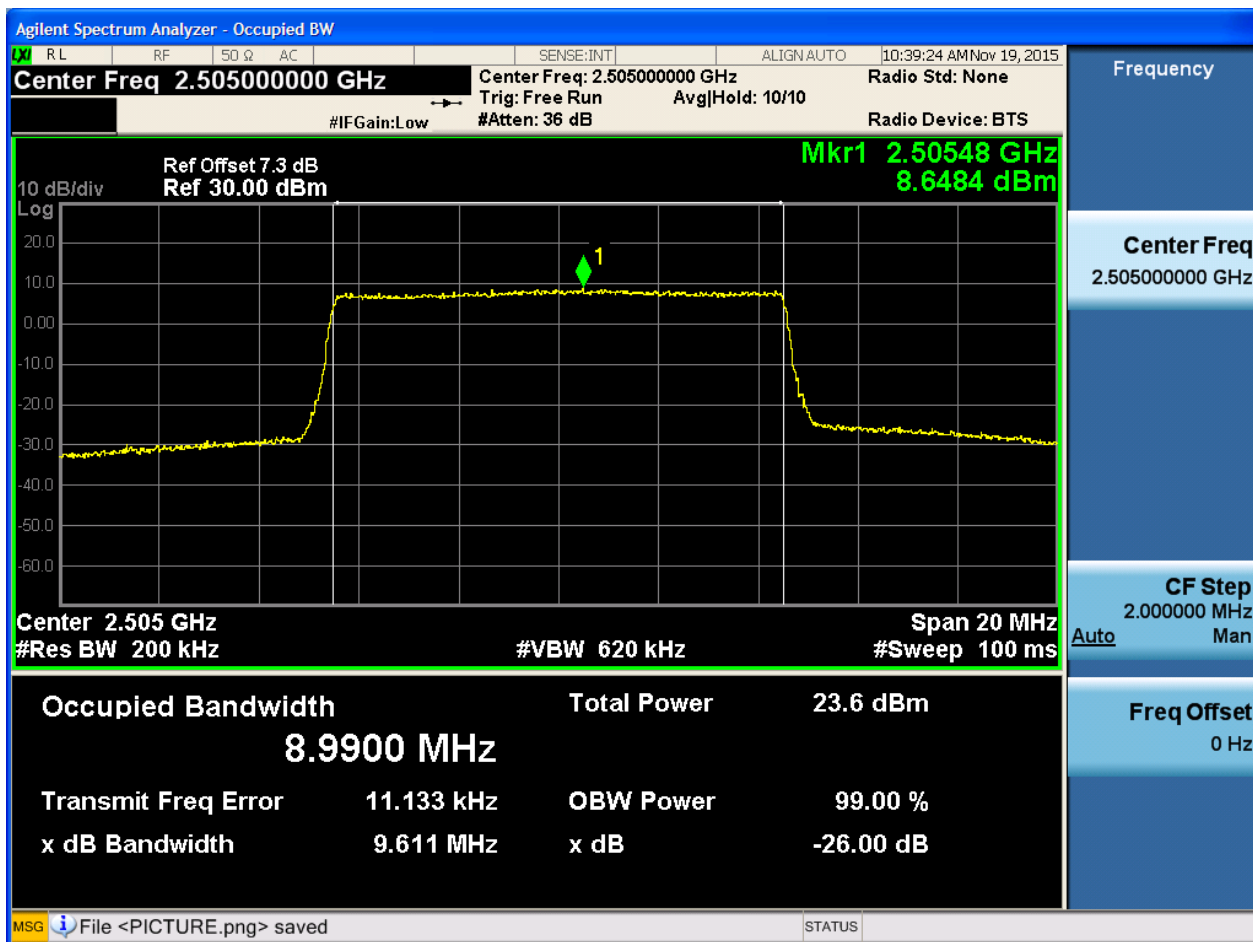




## 4.2.1.1.2 Test Bandwidth = 10

## 4.2.1.1.2.1 Test Channel = LCH

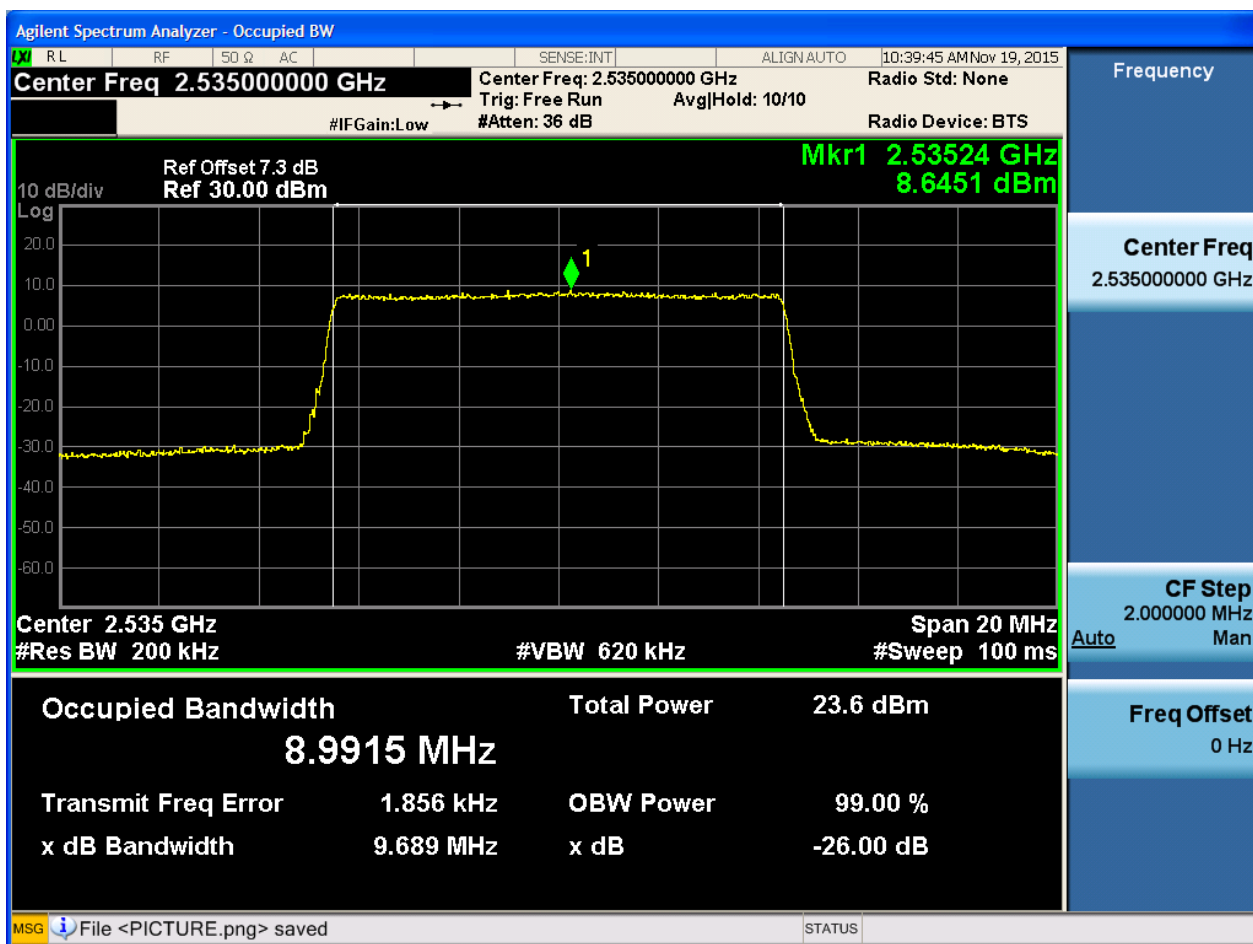
## 4.2.1.1.2.1.1 Test RB = RB50#0





## 4.2.1.1.2.2 Test Channel = MCH

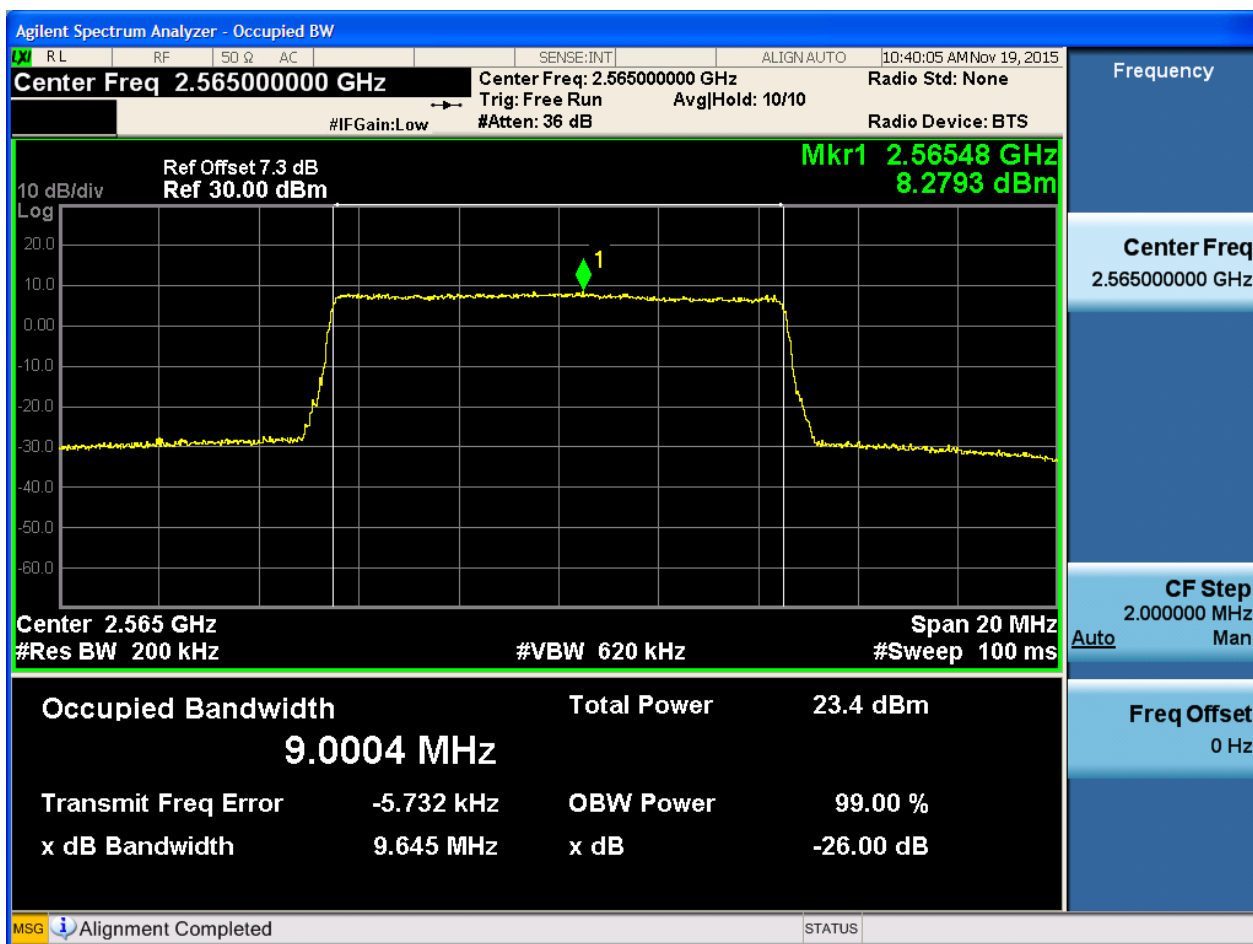
## 4.2.1.1.2.2.1 Test RB = RB50#0





## 4.2.1.1.2.3 Test Channel = HCH

## 4.2.1.1.2.3.1 Test RB = RB50#0

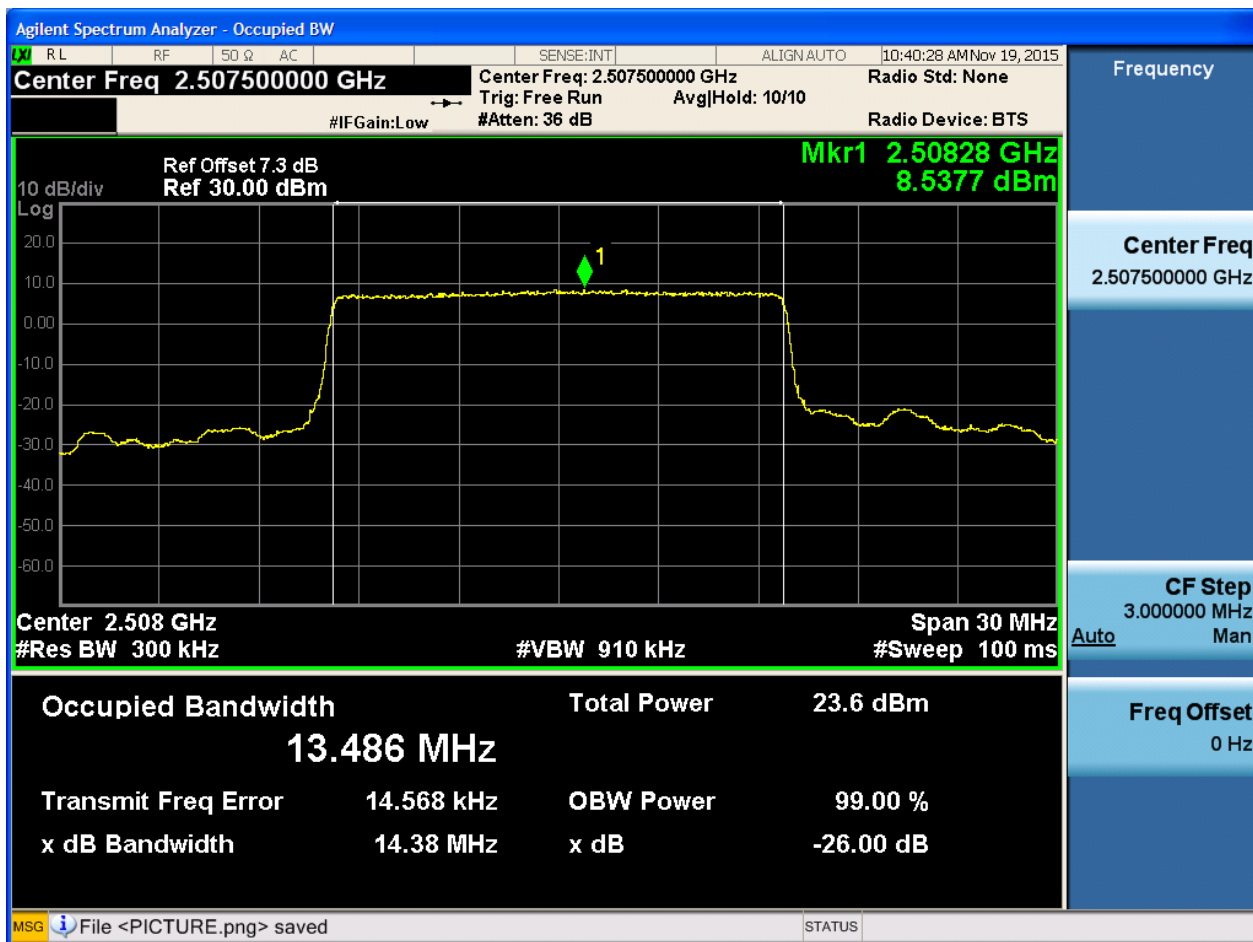




## 4.2.1.1.3 Test Bandwidth = 15

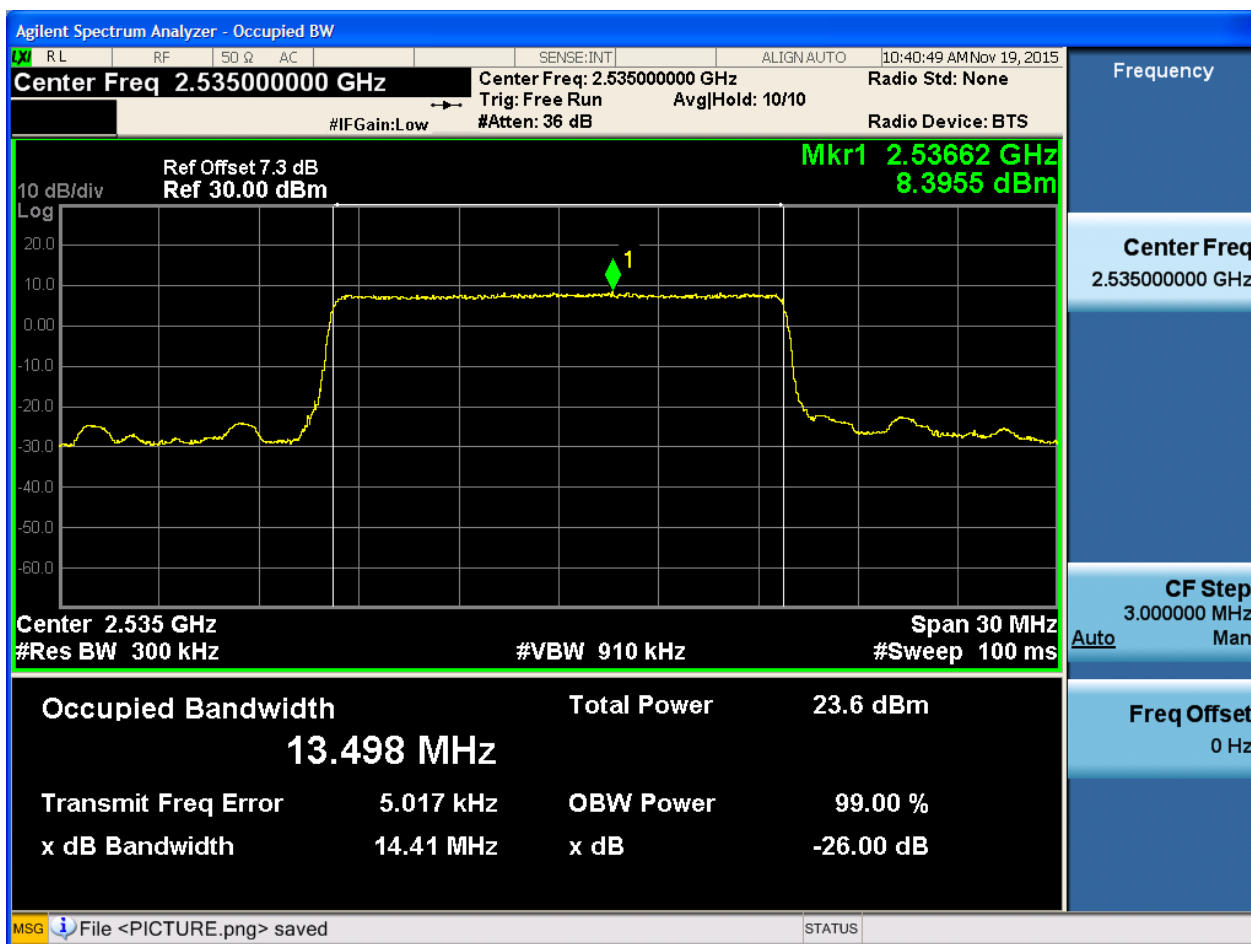
## 4.2.1.1.3.1 Test Channel = LCH

## 4.2.1.1.3.1.1 Test RB = RB75#0



#### 4.2.1.1.3.2 Test Channel = MCH

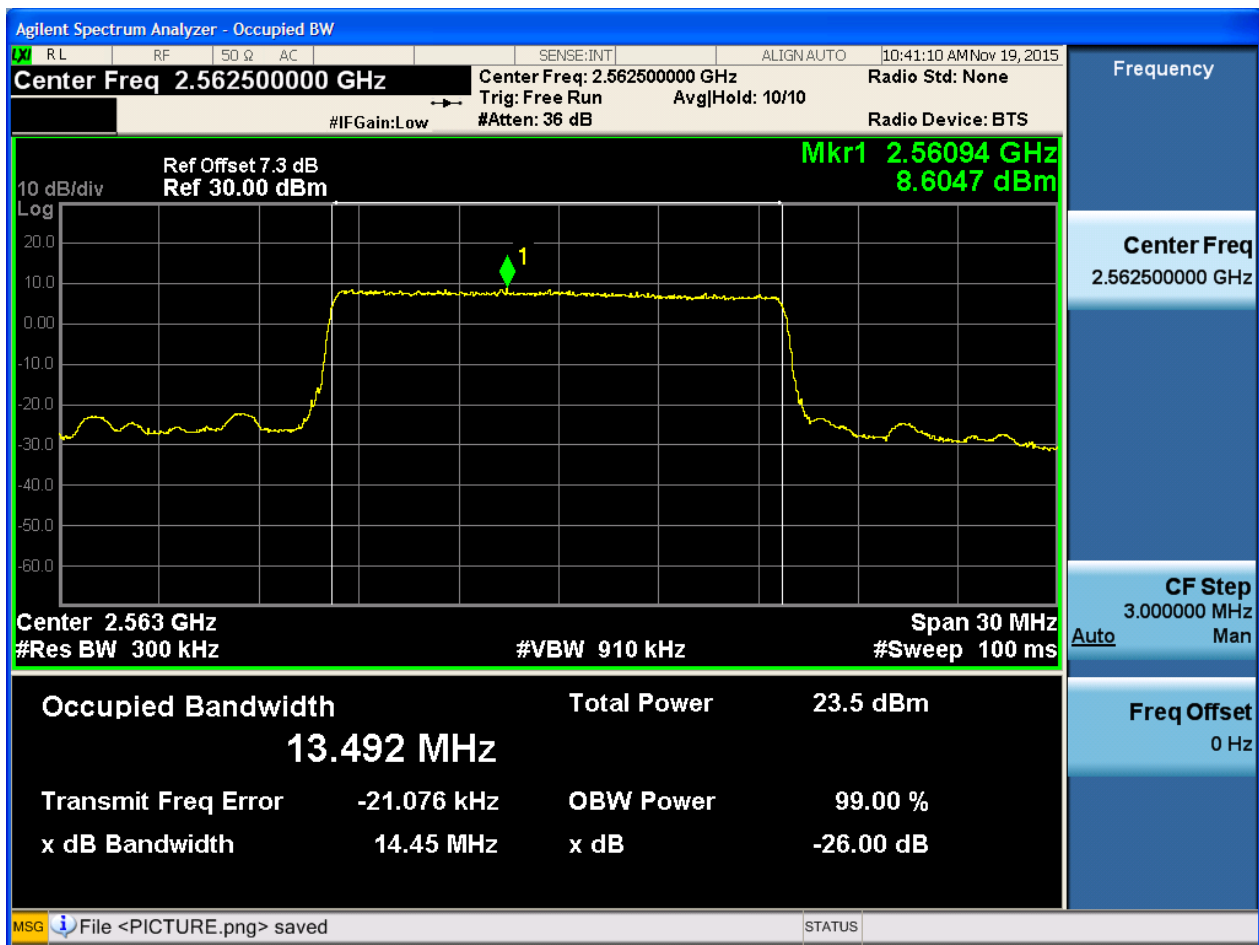
##### 4.2.1.1.3.2.1 Test RB = RB75#0





## 4.2.1.1.3.3 Test Channel = HCH

## 4.2.1.1.3.3.1 Test RB = RB75#0

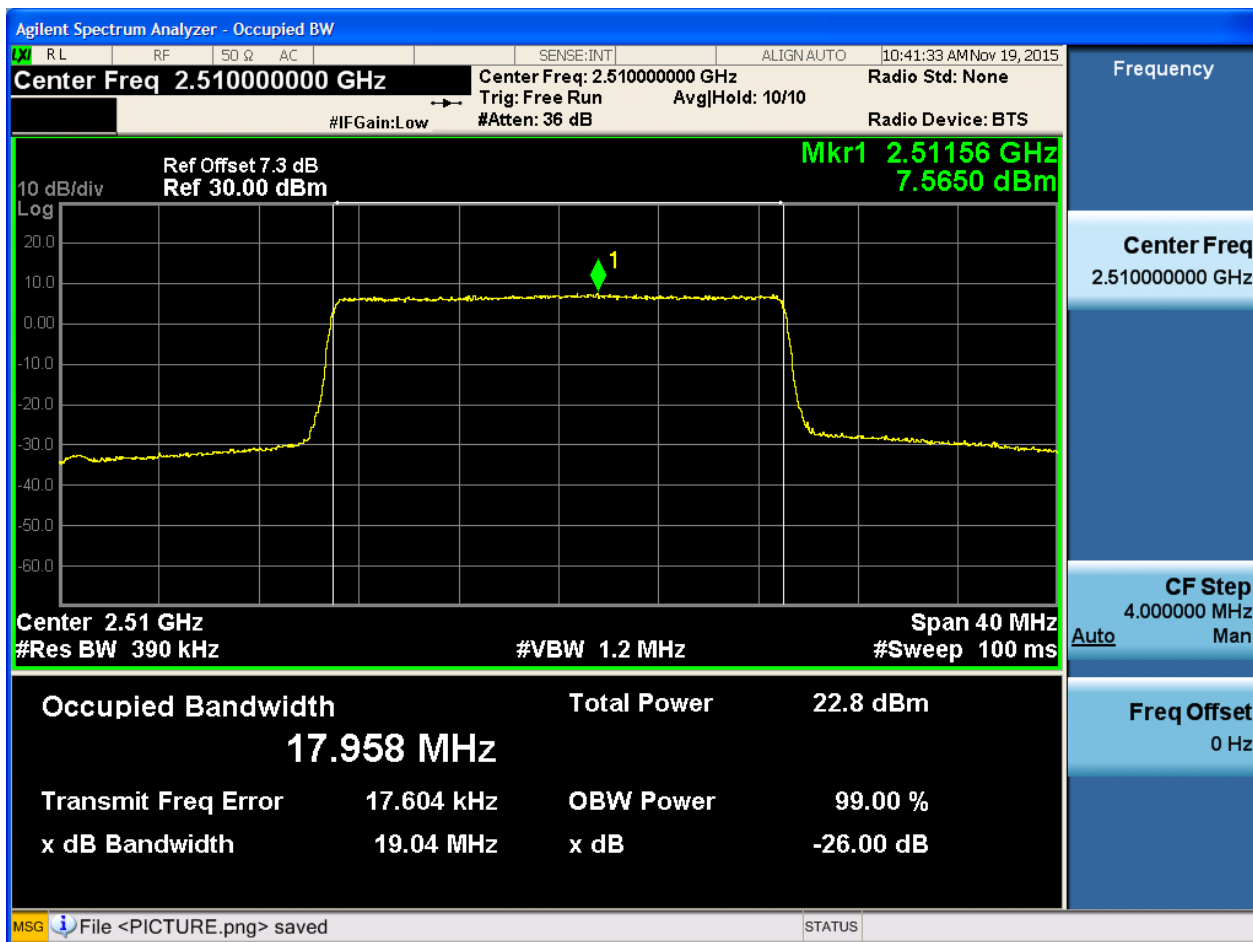




## 4.2.1.1.4 Test Bandwidth = 20

## 4.2.1.1.4.1 Test Channel = LCH

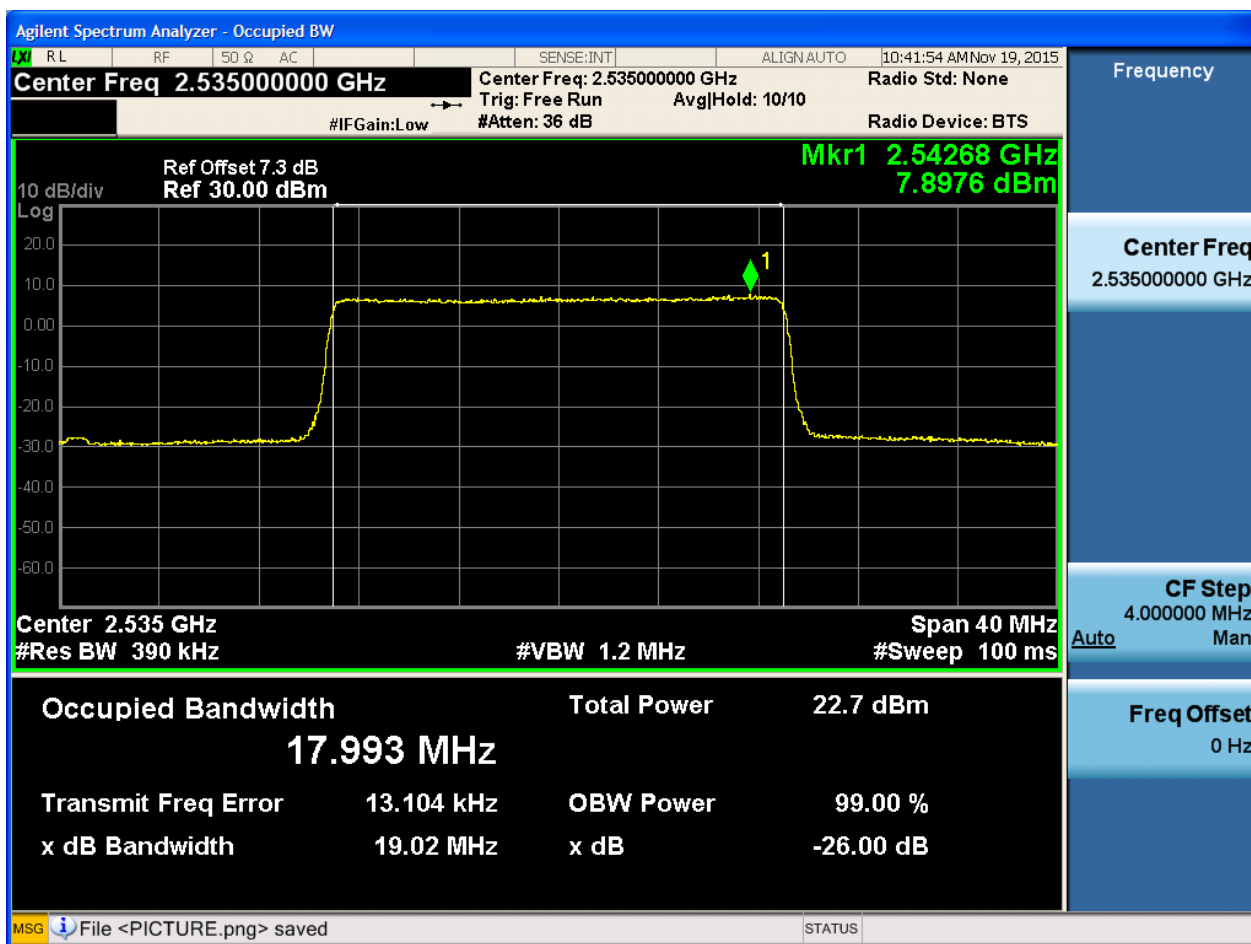
## 4.2.1.1.4.1.1 Test RB = RB100#0





## 4.2.1.1.4.2 Test Channel = MCH

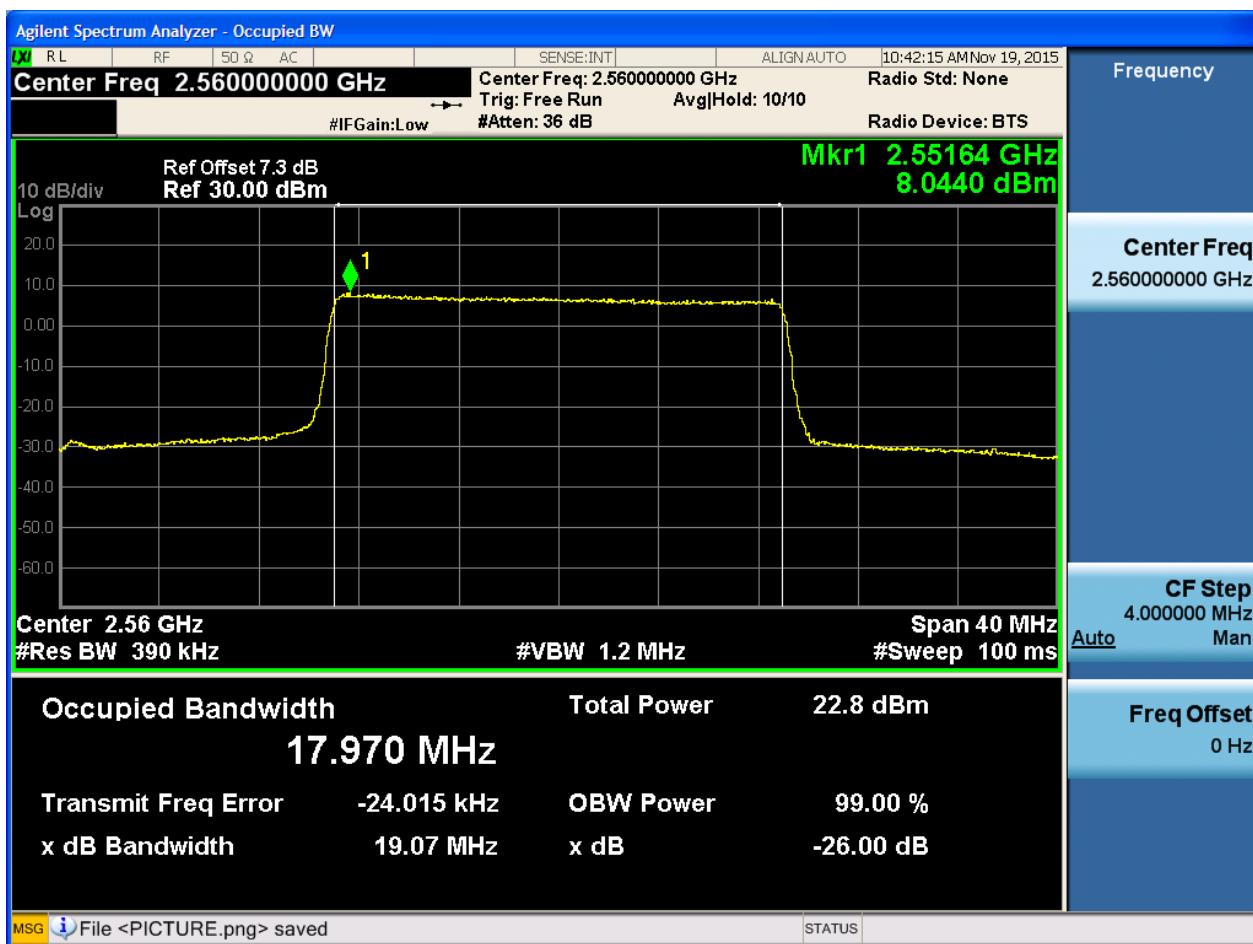
## 4.2.1.1.4.2.1 Test RB = RB100#0





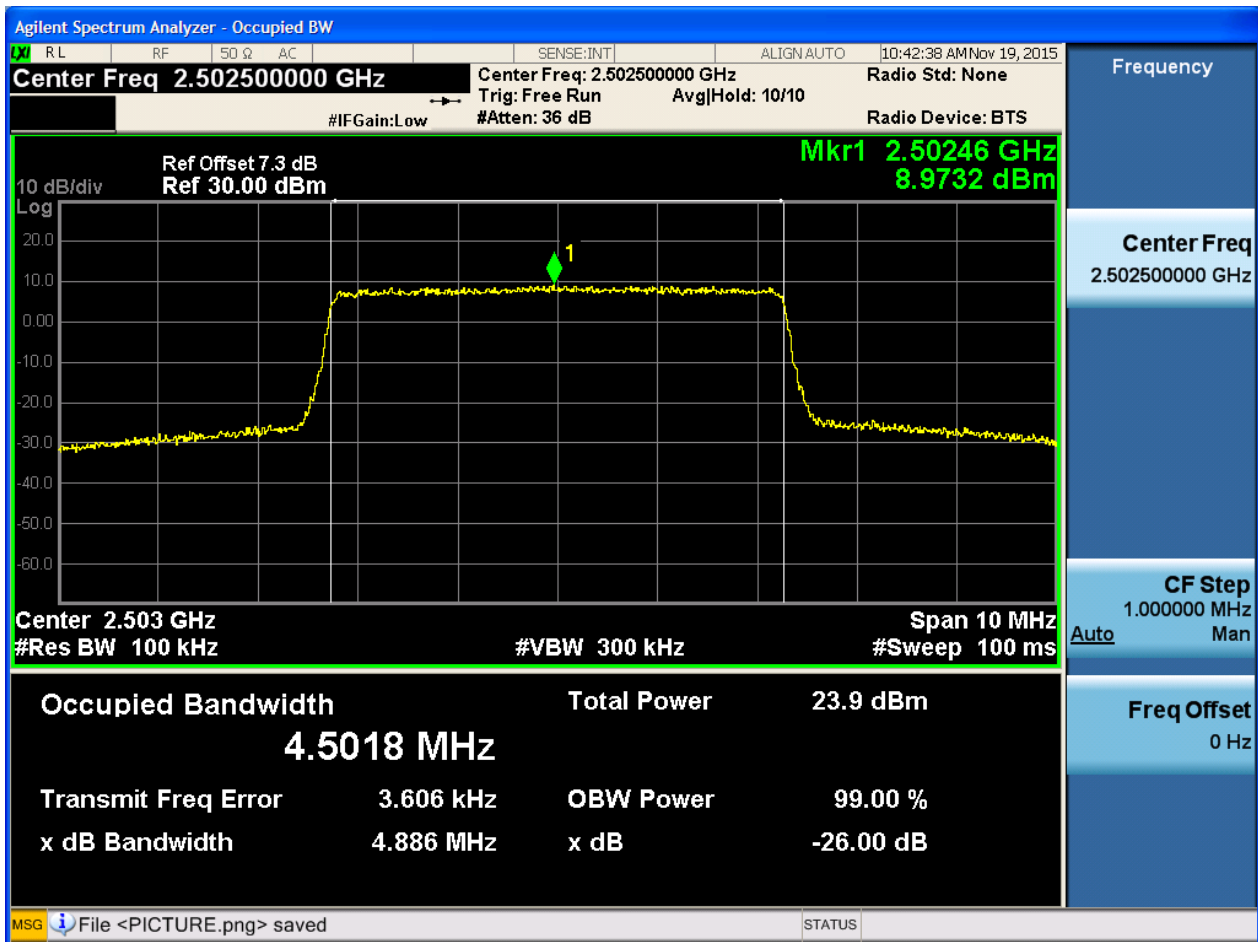
## 4.2.1.1.4.3 Test Channel = HCH

## 4.2.1.1.4.3.1 Test RB = RB100#0





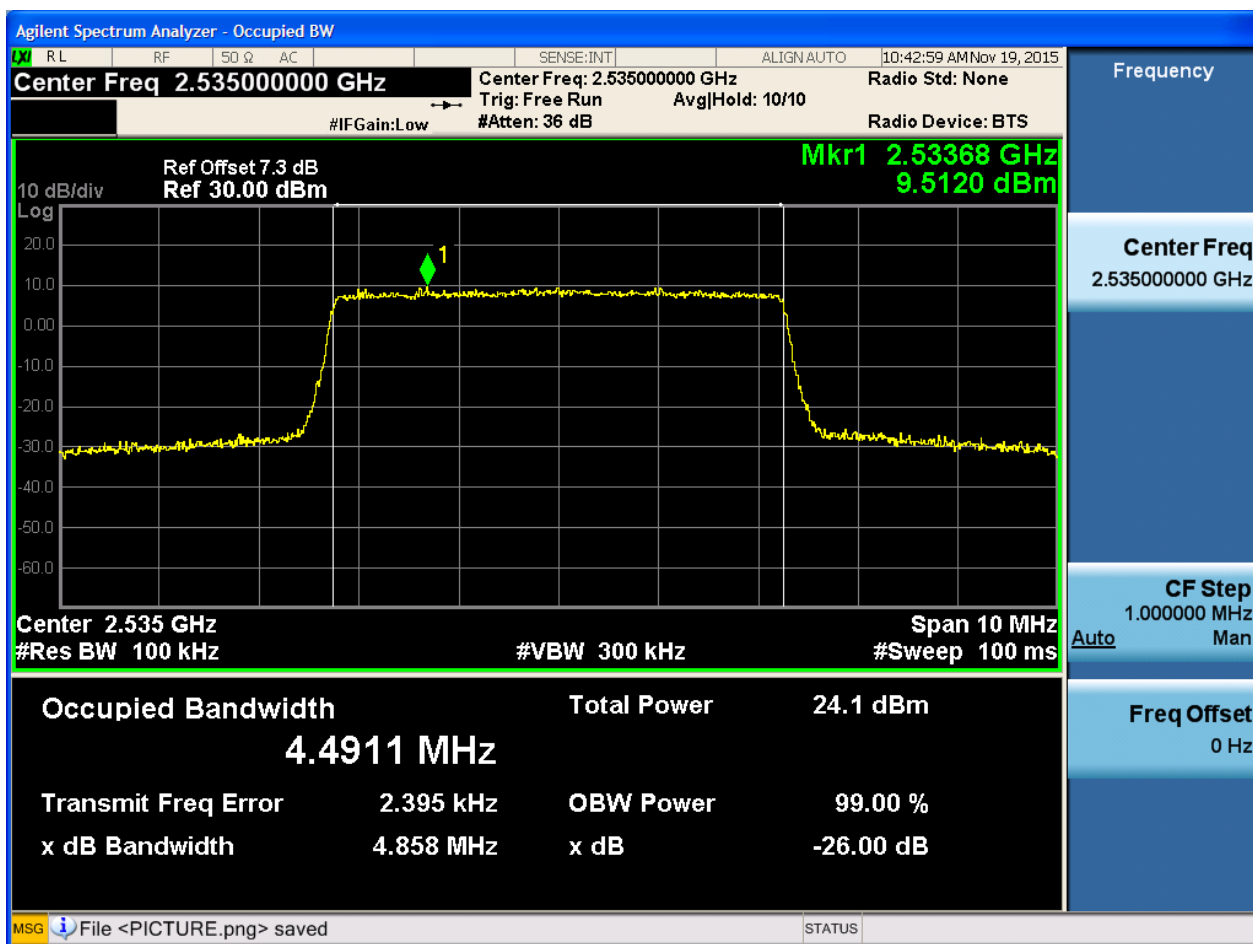
#### 4.2.1.2.1.1.1 Test RB = RB25#0





## 4.2.1.2.1.2 Test Channel = MCH

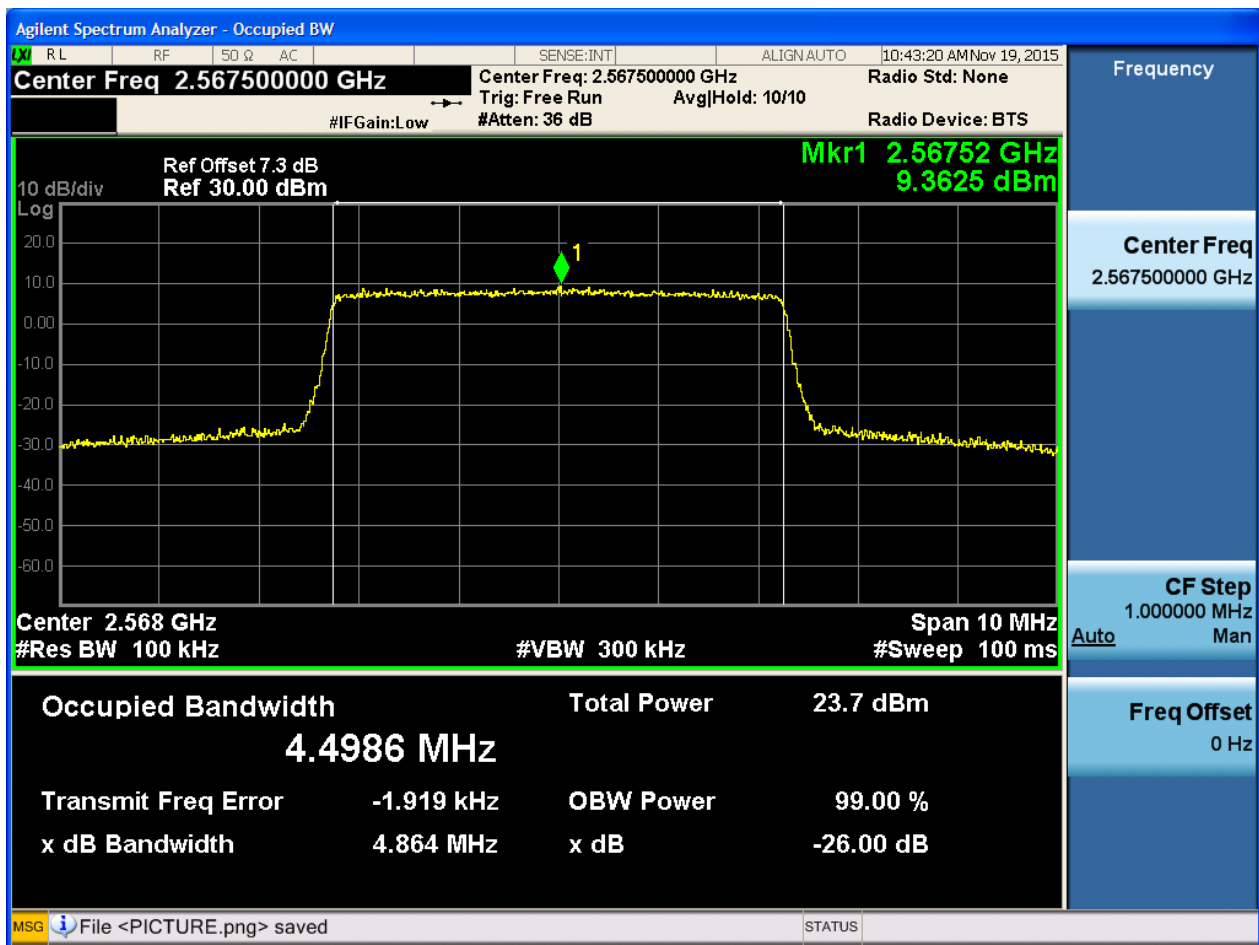
## 4.2.1.2.1.2.1 Test RB = RB25#0





## 4.2.1.2.1.3 Test Channel = HCH

## 4.2.1.2.1.3.1 Test RB = RB25#0

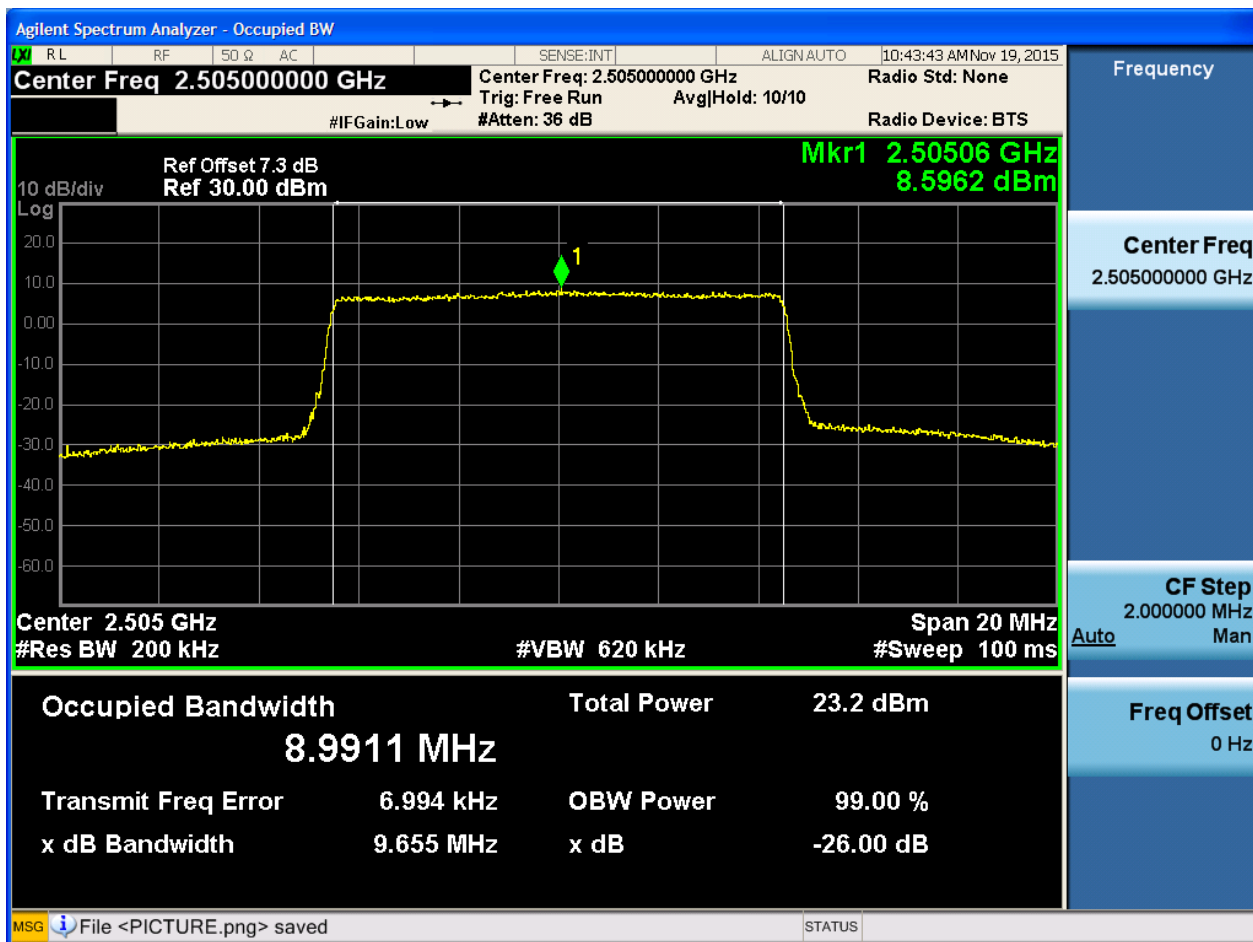




## 4.2.1.2.2 Test Bandwidth = 10

## 4.2.1.2.2.1 Test Channel = LCH

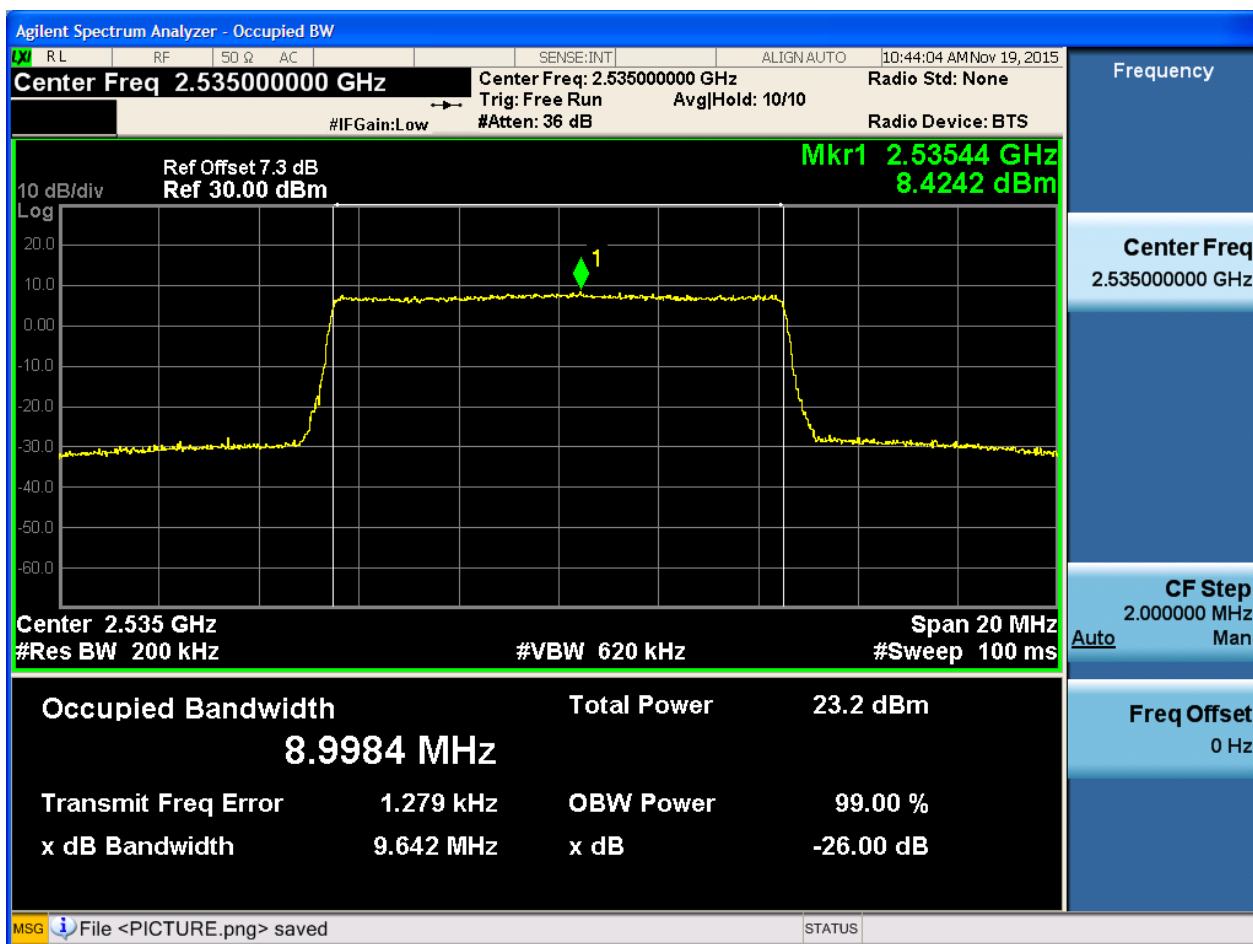
## 4.2.1.2.2.1.1 Test RB = RB50#0





## 4.2.1.2.2.2 Test Channel = MCH

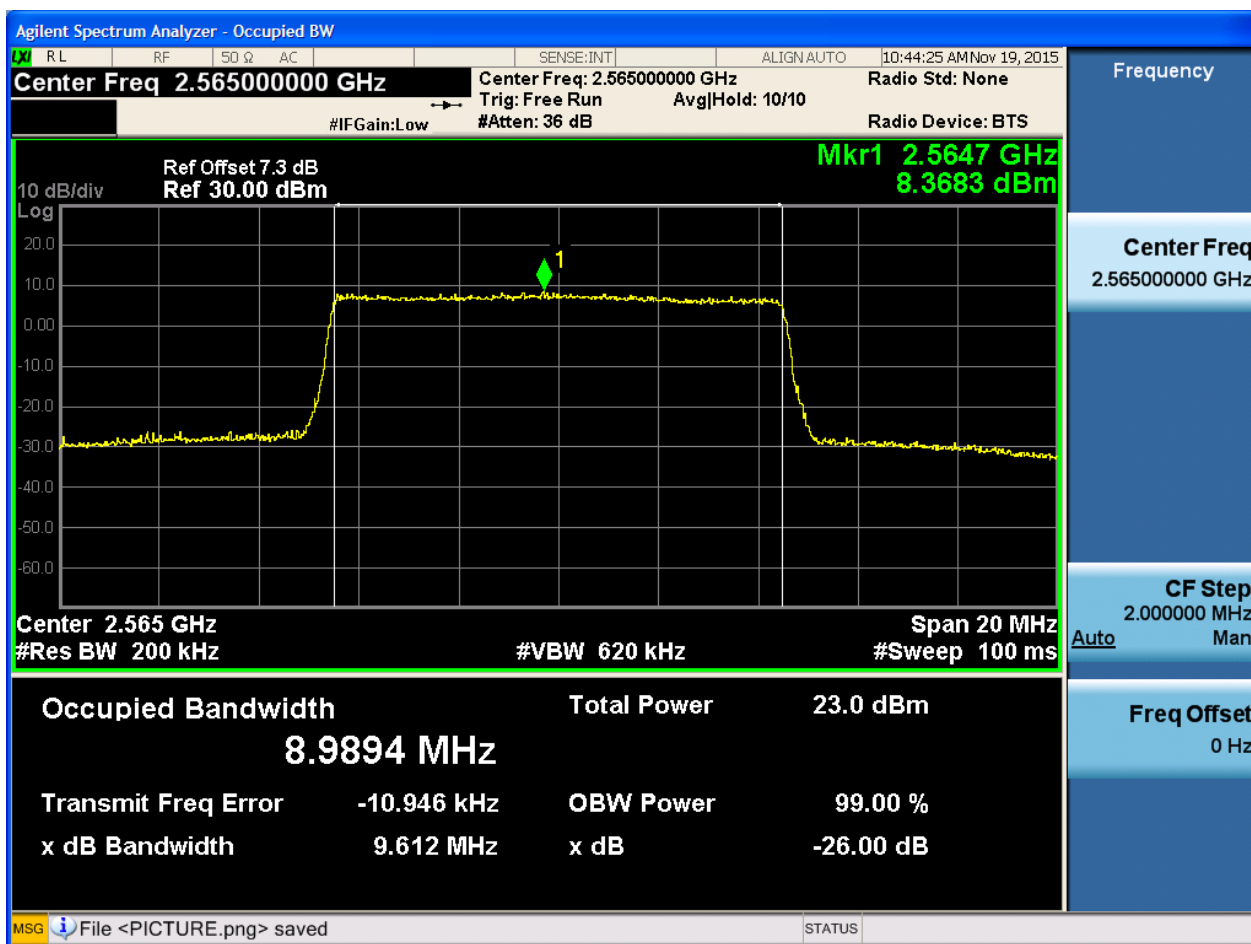
## 4.2.1.2.2.1 Test RB = RB50#0





## 4.2.1.2.2.3 Test Channel = HCH

## 4.2.1.2.2.3.1 Test RB = RB50#0

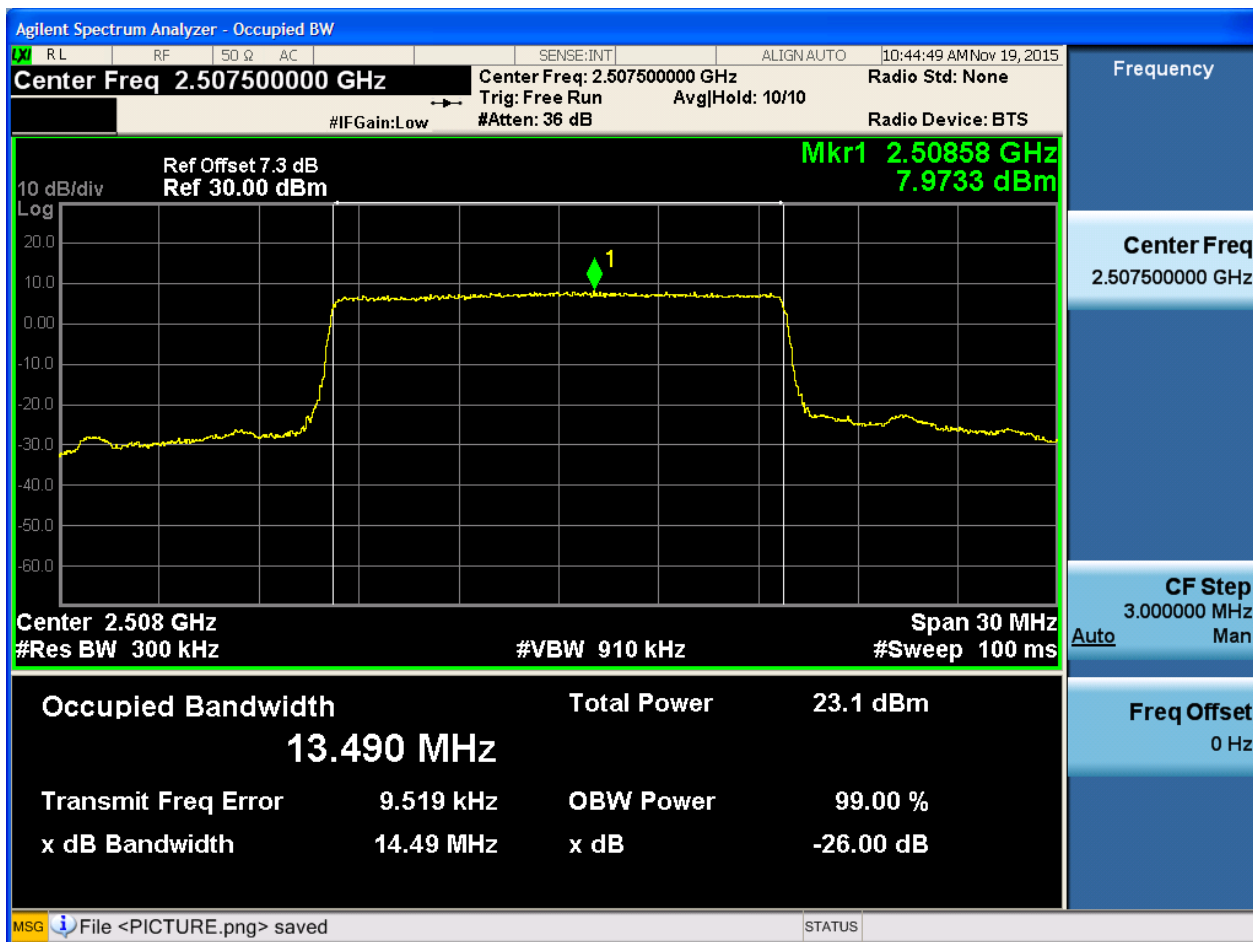




## 4.2.1.2.3 Test Bandwidth = 15

## 4.2.1.2.3.1 Test Channel = LCH

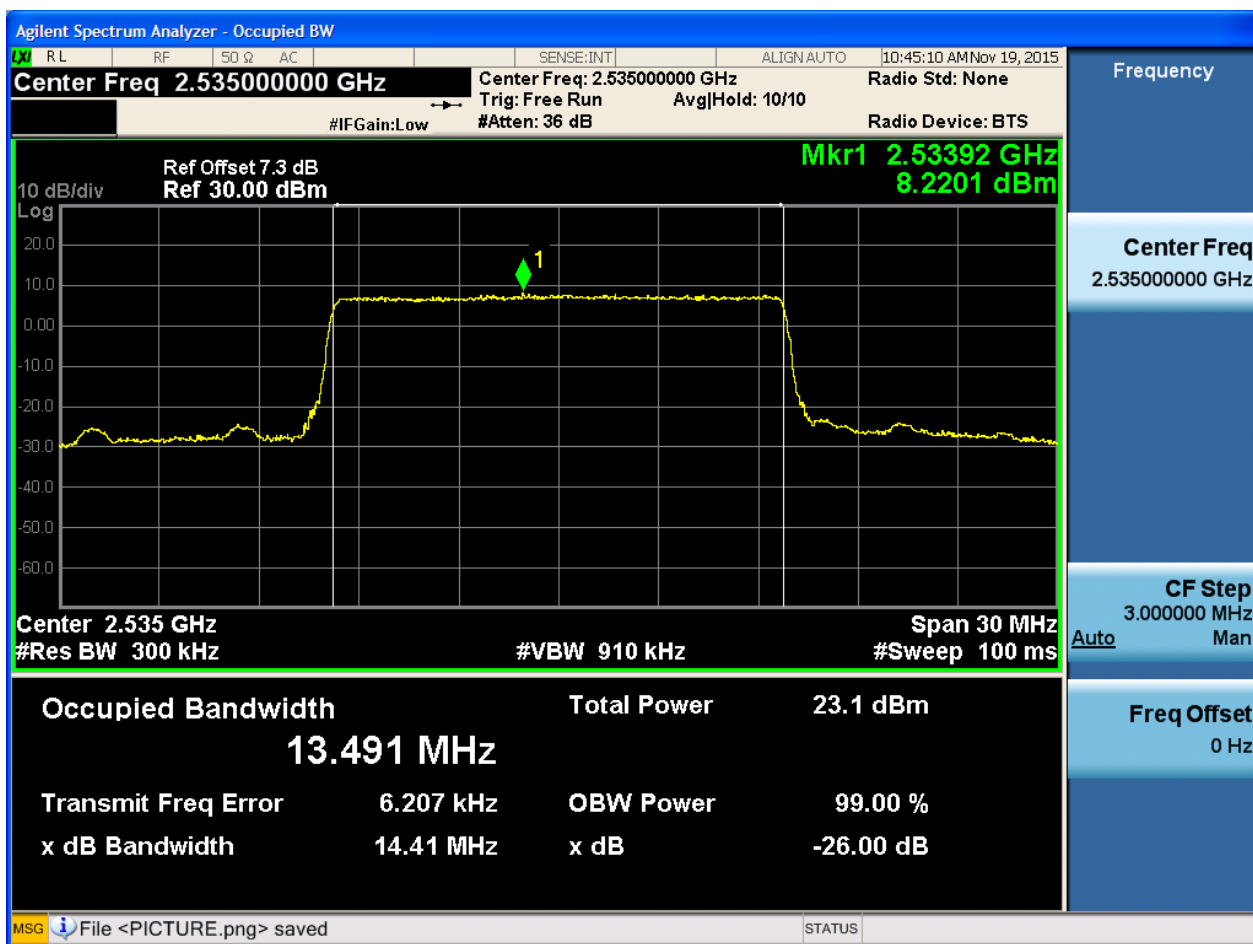
## 4.2.1.2.3.1.1 Test RB = RB75#0





## 4.2.1.2.3.2 Test Channel = MCH

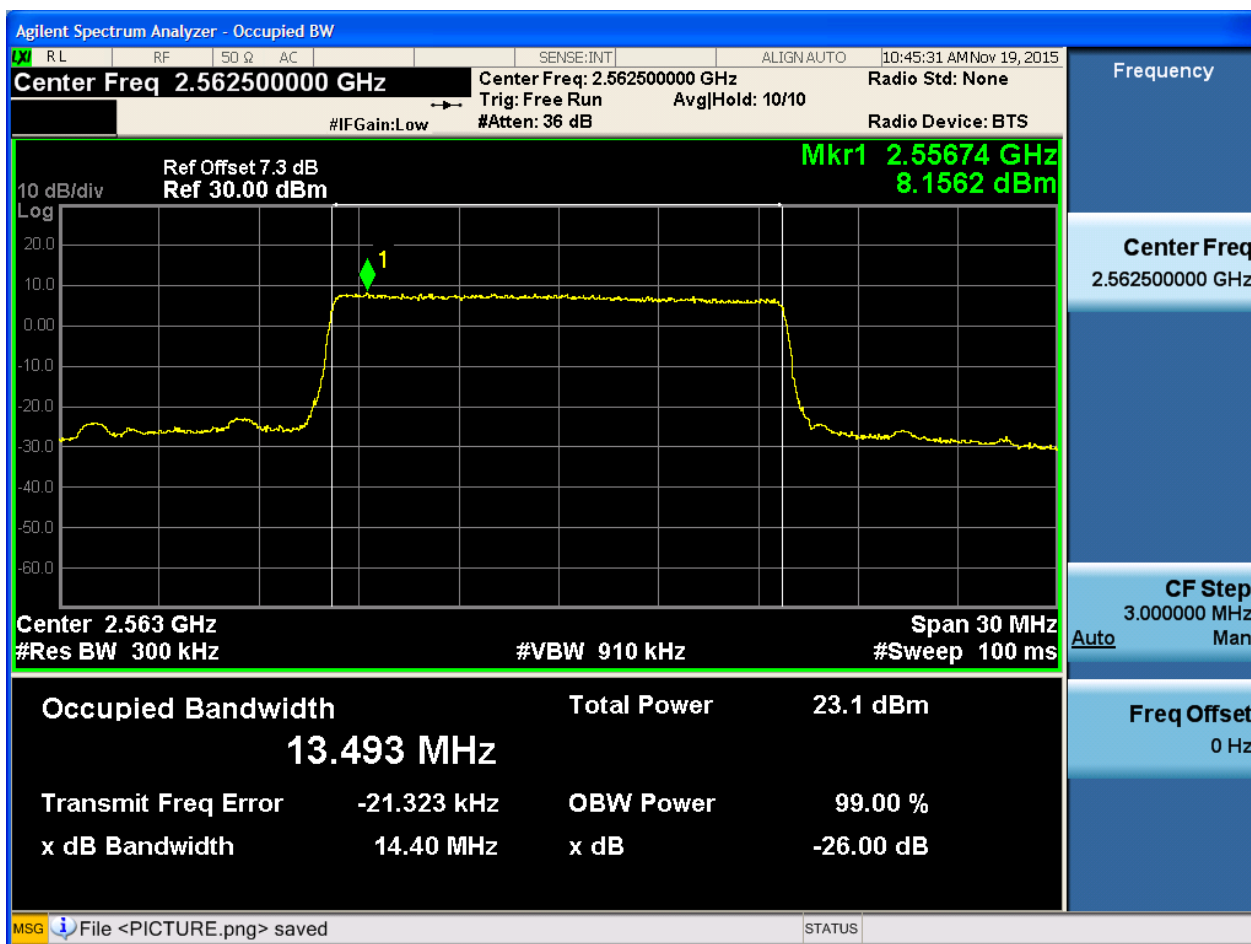
## 4.2.1.2.3.2.1 Test RB = RB75#0





## 4.2.1.2.3.3 Test Channel = HCH

## 4.2.1.2.3.3.1 Test RB = RB75#0

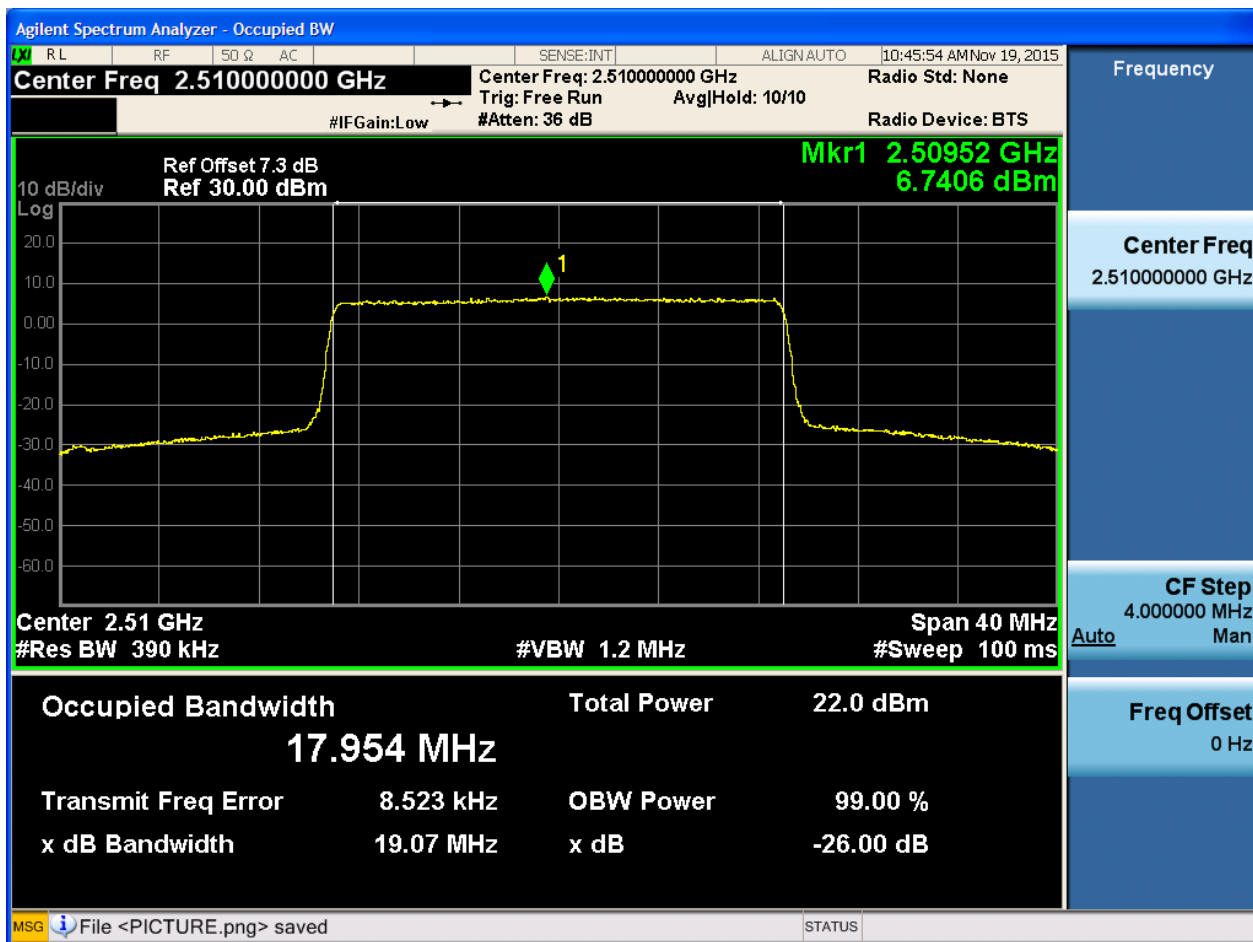




## 4.2.1.2.4 Test Bandwidth = 20

## 4.2.1.2.4.1 Test Channel = LCH

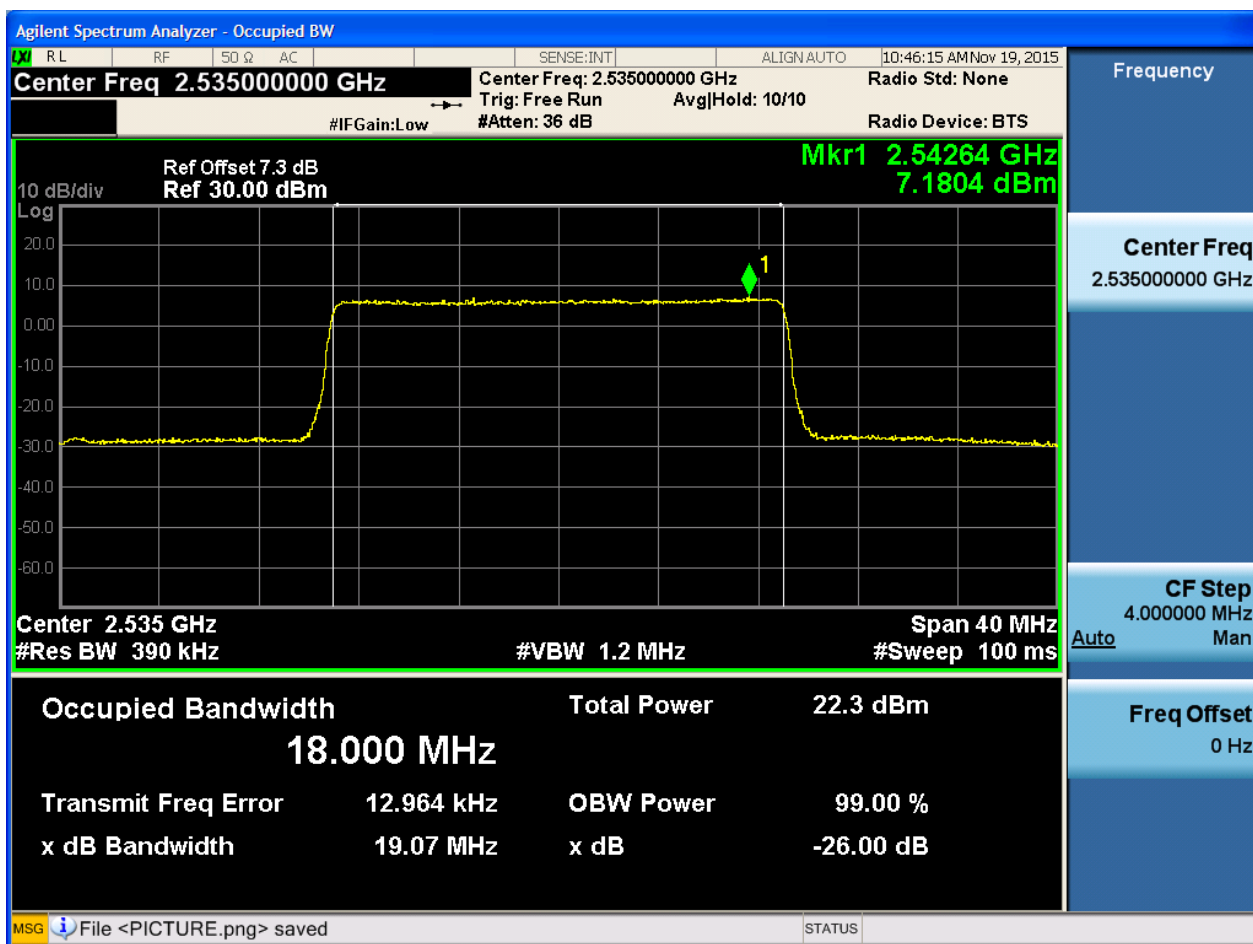
## 4.2.1.2.4.1.1 Test RB = RB100#0





## 4.2.1.2.4.2 Test Channel = MCH

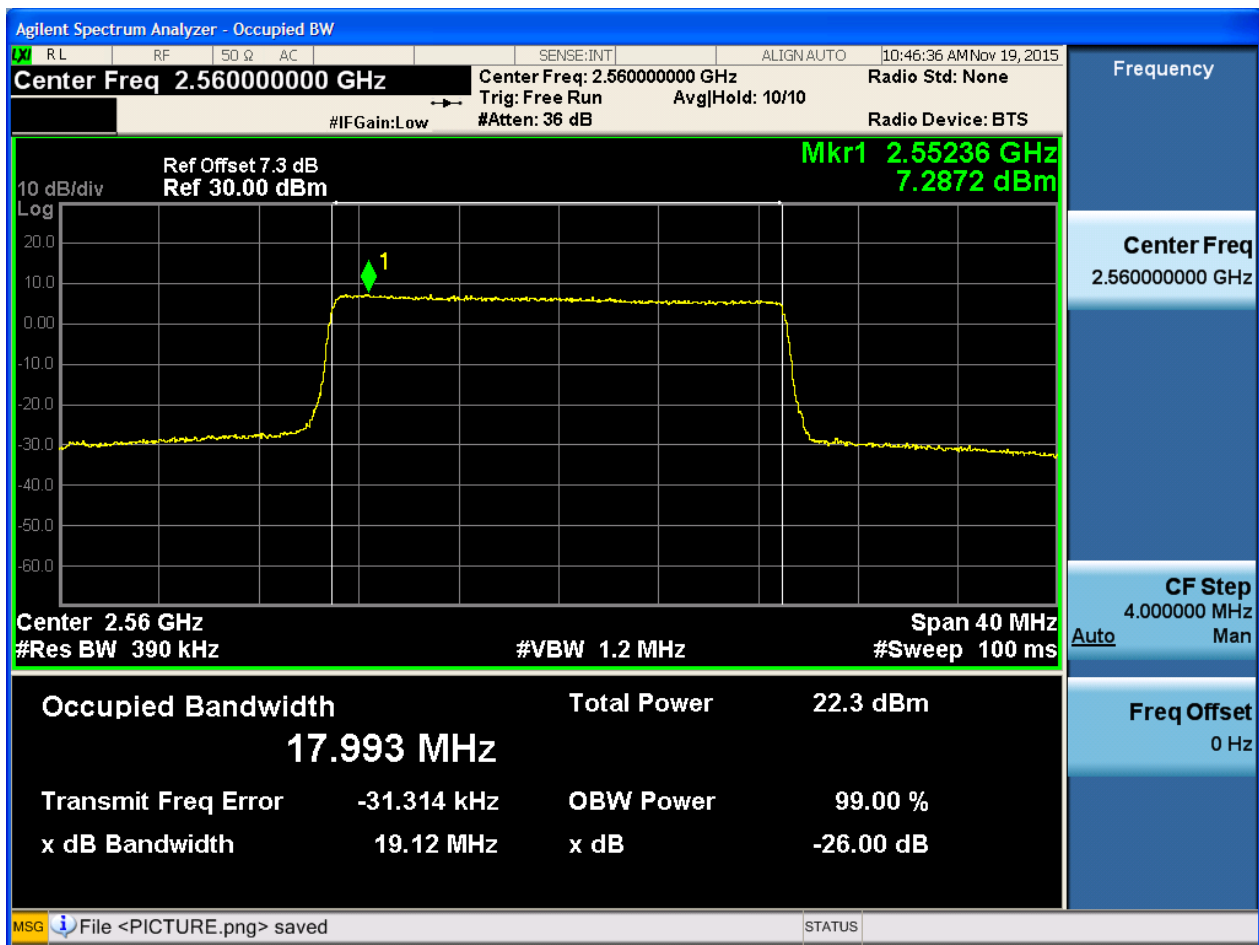
## 4.2.1.2.4.2.1 Test RB = RB100#0





## 4.2.1.2.4.3 Test Channel = HCH

## 4.2.1.2.4.3.1 Test RB = RB100#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

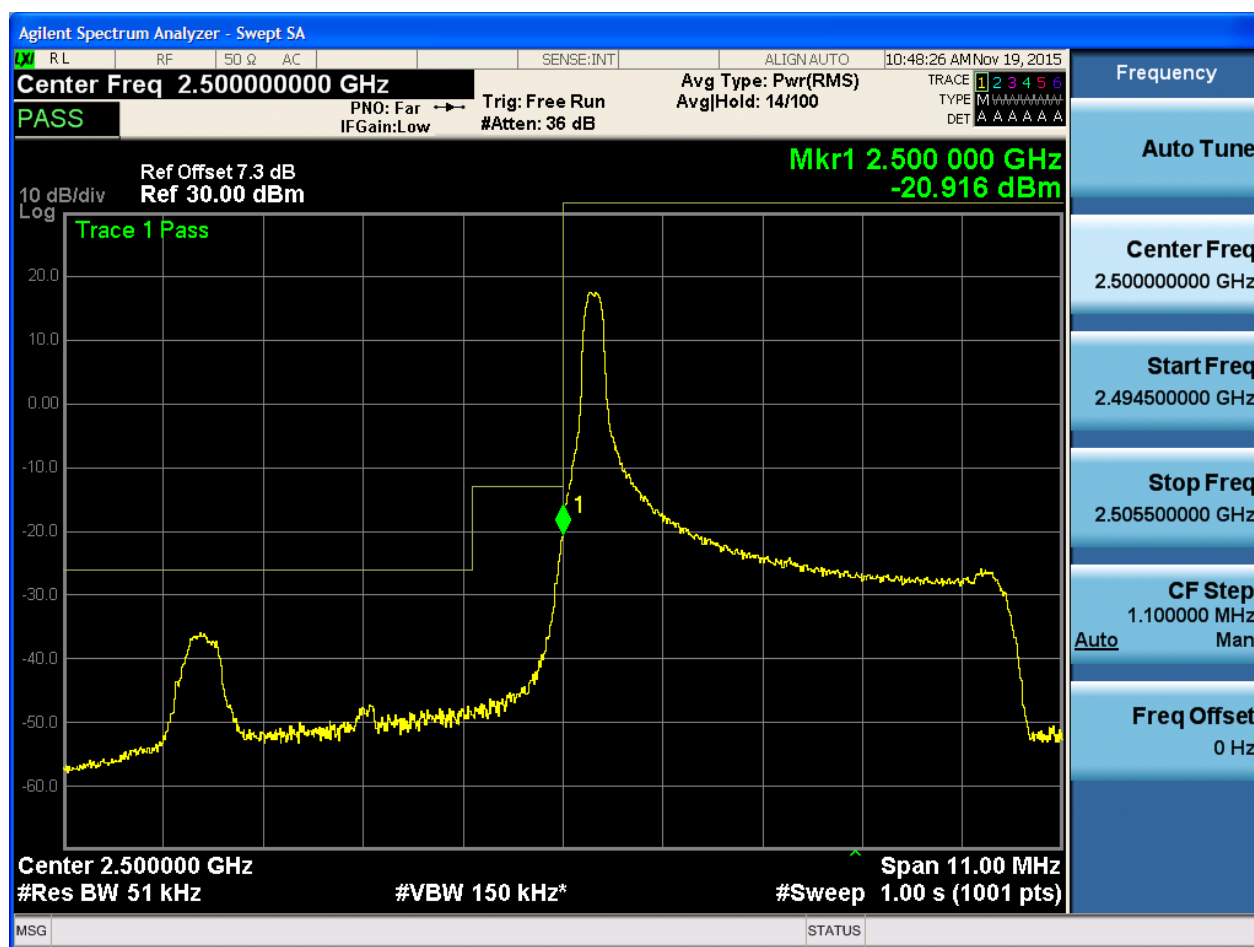
##### 5.1.1 Test Band = BAND7

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

##### 5.1.1.1.1 Test Bandwidth = 5

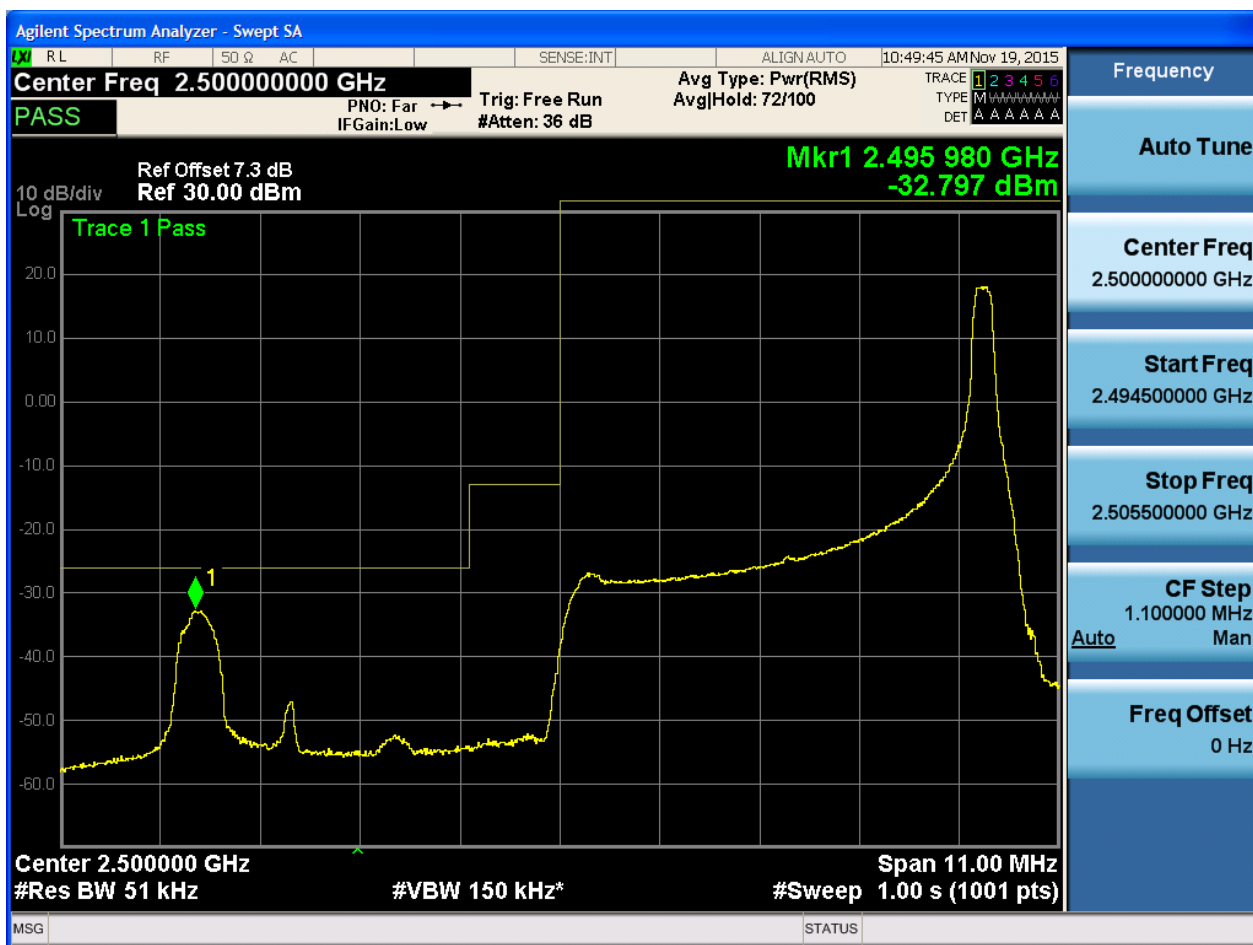
##### 5.1.1.1.1.1 Test Channel = LCH

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



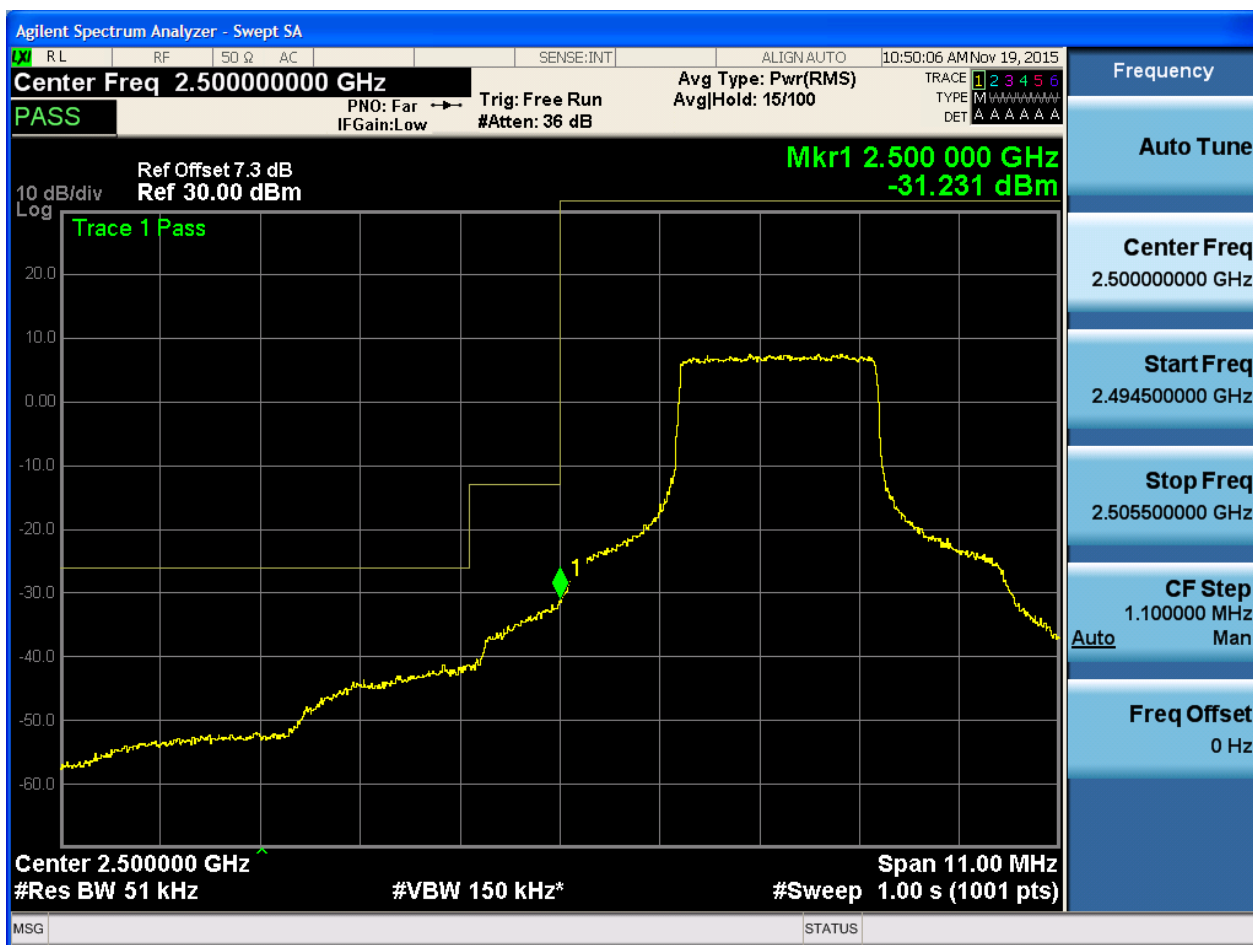


## 5.1.1.1.1.2 Test RB = RB1#24





## 5.1.1.1.1.3 Test RB = RB12#6





## 5.1.1.1.1.4 Test RB = RB25#0





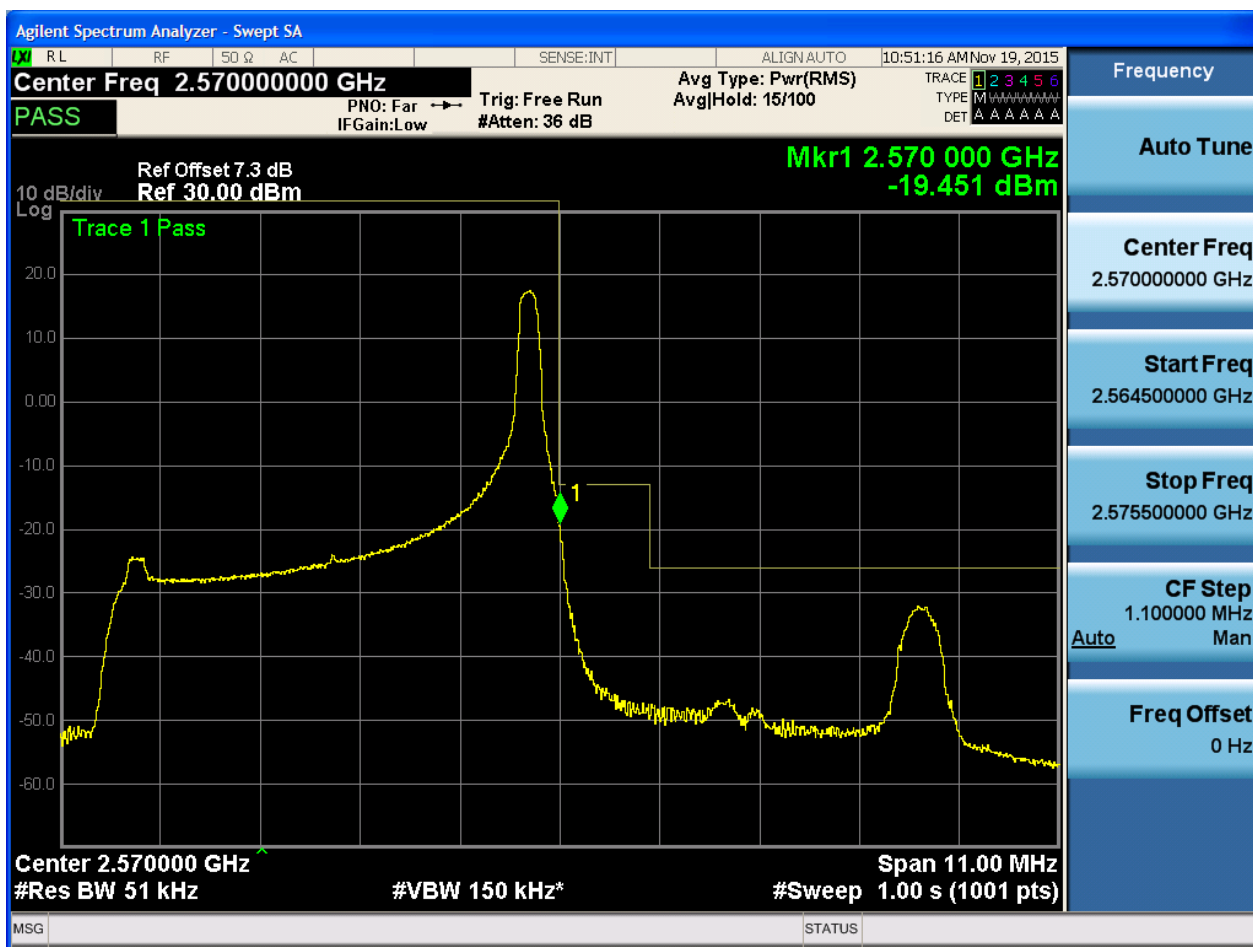
## 5.1.1.1.1.2 Test Channel = HCH

## 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

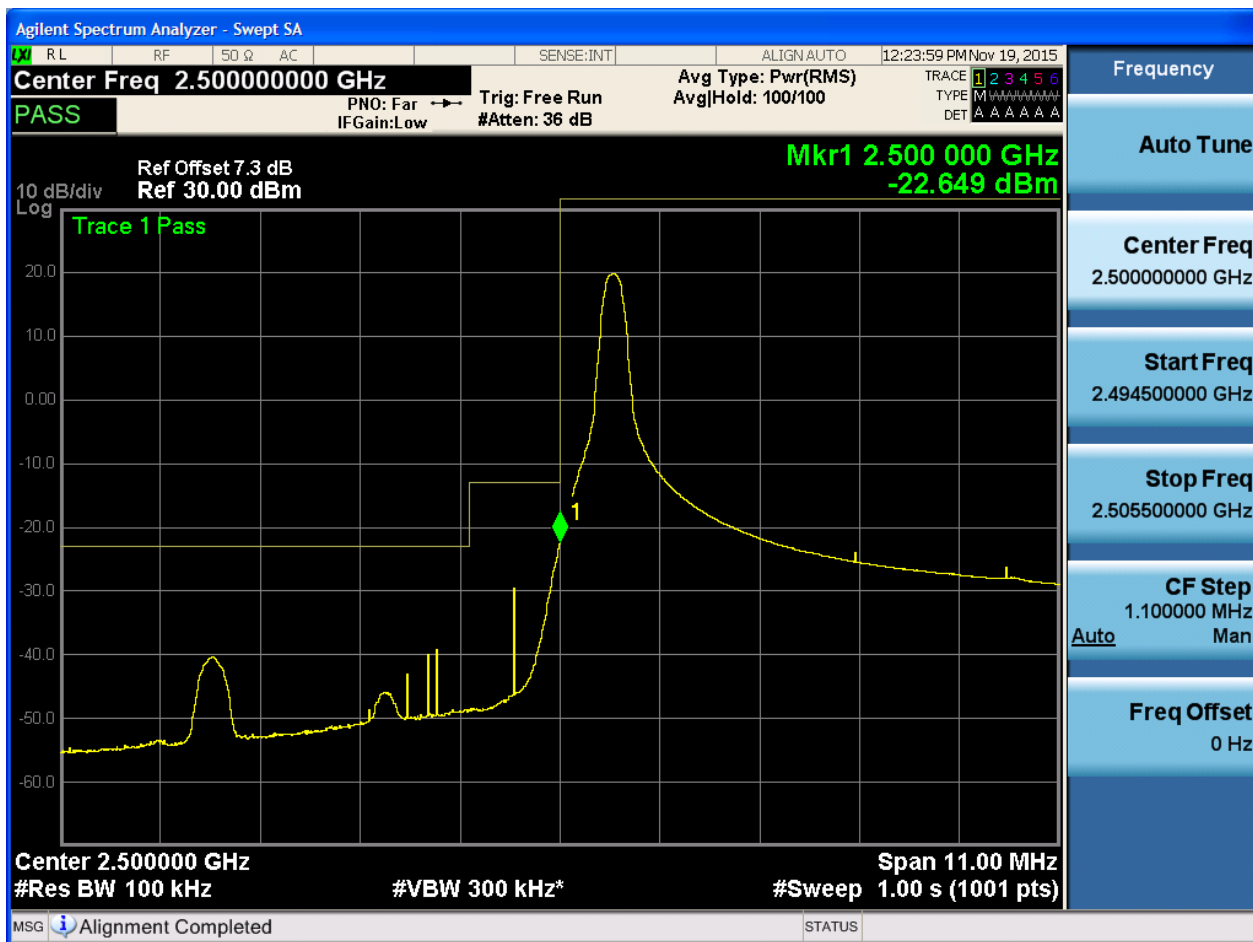




## 5.1.1.1.2 Test Bandwidth = 10

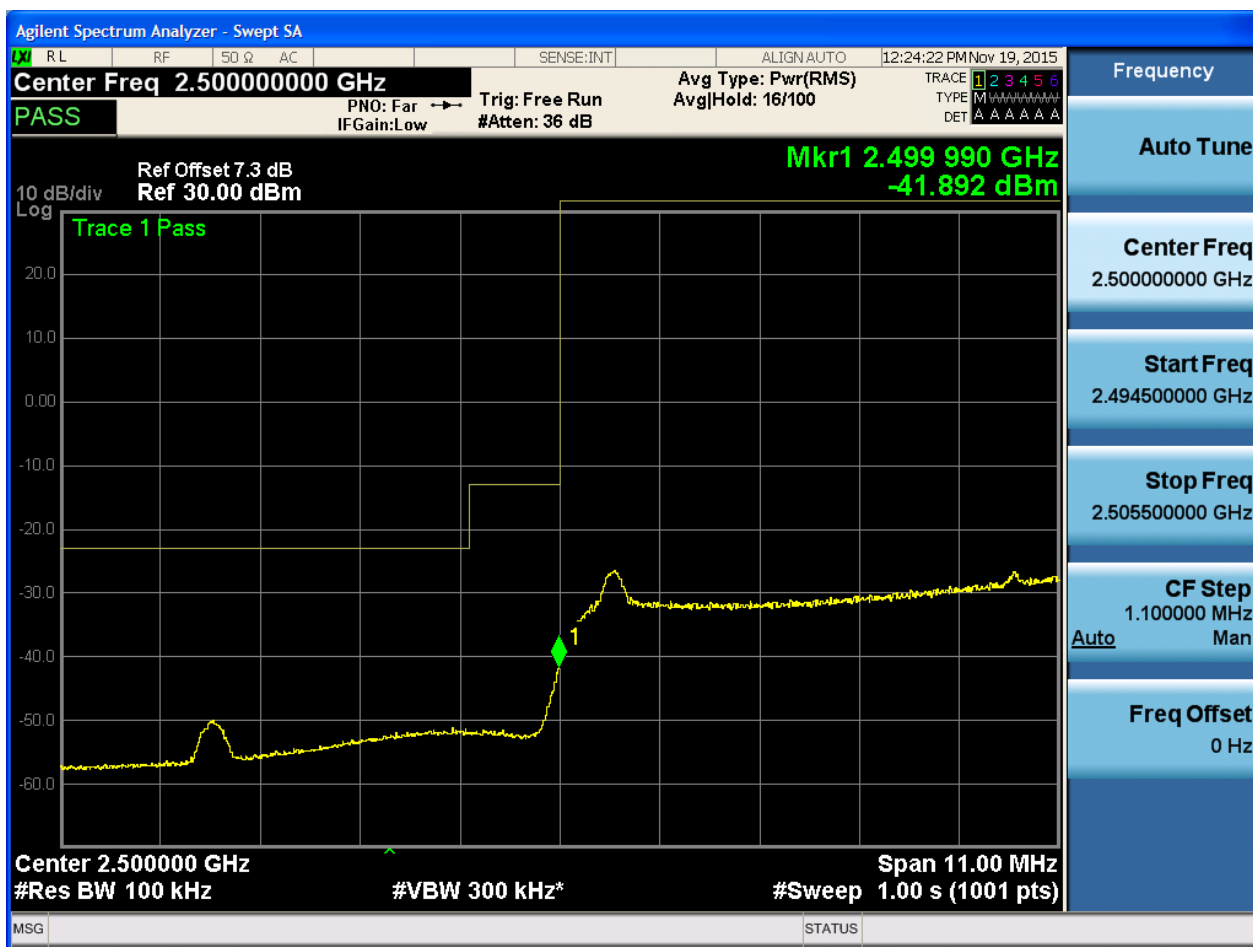
## 5.1.1.1.2.1 Test Channel = LCH

## 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





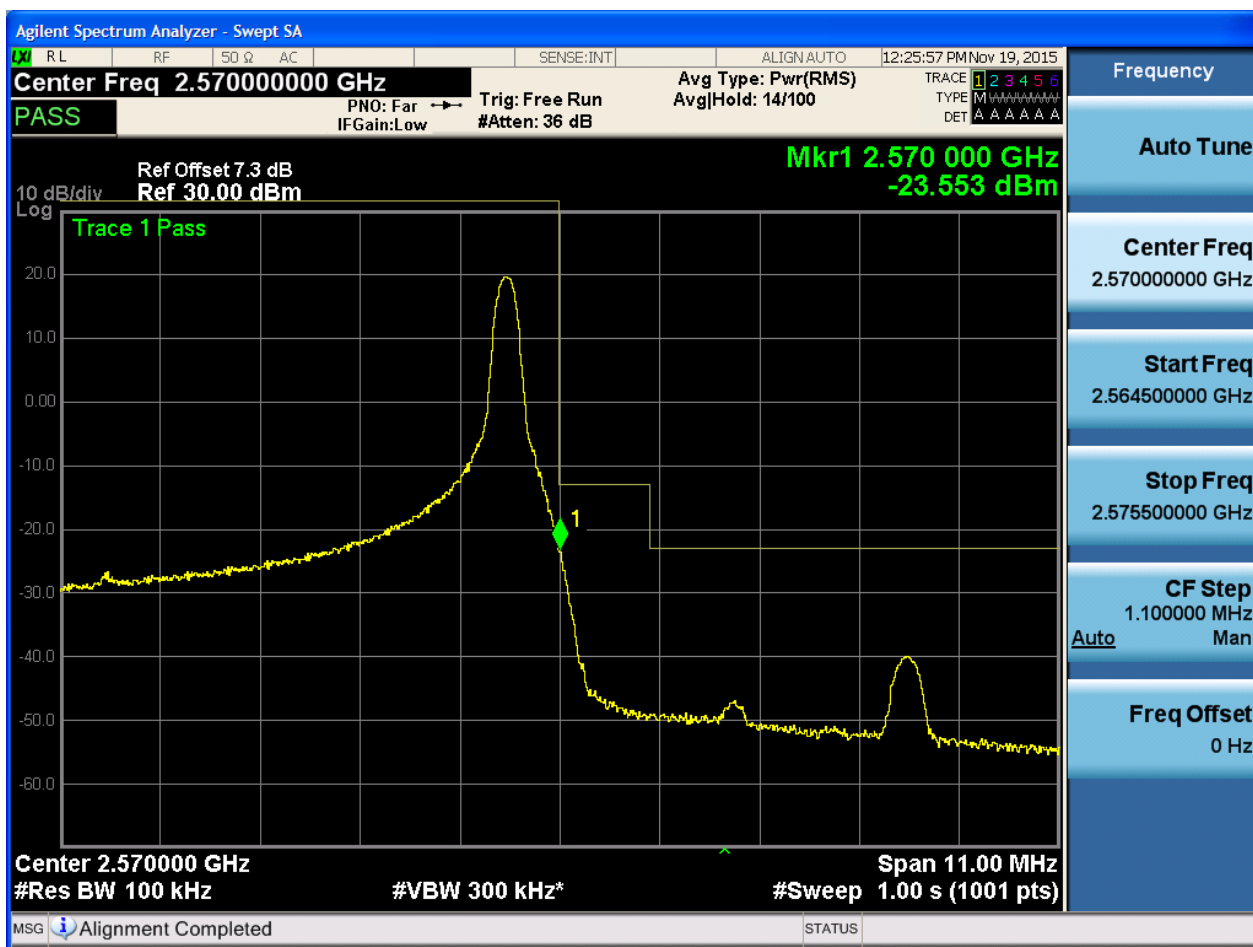
## 5.1.1.1.2.2 Test Channel = HCH

## 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

