



# 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  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
| BAND7          | LTE/T M1  | 5              | LCH          | RB1#0   | 22.7          | 24.08 | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.71         | 24.06 | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.76         | 24.33 | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.29         | 22.87 | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.3          | 22.80 | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.29         | 22.69 | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.2          | 22.69 | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.82         | 24.33 | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.87         | 24.43 | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.9          | 24.34 | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.3          | 22.91 | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.25         | 22.80 | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.37         | 22.82 | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB25#0  | 21.33         | 22.71 | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.78         | 24.39 | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.78         | 24.17 | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.81         | 24.31 | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.4          | 22.94 | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.33         | 22.89 | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.42         | 22.88 | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.35         | 22.84 | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.77         | 24.28 | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.42         | 23.98 | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.83         | 24.17 | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.21         | 22.81 | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.26         | 22.80 | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.24         | 22.86 | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.27         | 22.67 | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.89         | 24.30 | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.81         | 24.38 | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB1#49  | 22.88         | 24.42 | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.4          | 22.85 | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.36         | 22.87 | 33          | PASS    |
|                |           |                |              | RB25#25 | 19.88         | 21.39 | 33          | PASS    |
|                |           |                |              | RB50#0  | 19.82         | 21.39 | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.79         | 24.21 | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.54         | 24.07 | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.88         | 24.44 | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.28         | 22.65 | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.27         | 22.72 | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.4          | 22.85 | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.32         | 22.84 | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.78         | 24.23 | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.83         | 24.22 | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.77         | 24.39 | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.29         | 22.77 | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.3          | 22.64 | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB38#39 | 21.33         | 22.76 | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.25         | 22.84 | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.76         | 24.15 | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.85         | 24.48 | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.81         | 24.43 | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.33         | 22.96 | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.31         | 22.65 | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.36         | 22.89 | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.33         | 22.90 | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.73         | 24.31 | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.75         | 24.24 | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.77         | 24.17 | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.3          | 22.77 | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.29         | 22.82 | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.36         | 22.88 | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.28         | 22.61 | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.82         | 24.42 | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB1#50  | 22.46         | 23.84 | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.85         | 24.23 | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.26         | 22.87 | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.25         | 22.70 | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.27         | 22.66 | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.22         | 22.60 | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.85         | 24.44 | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.48         | 23.93 | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.9          | 24.48 | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.34         | 22.68 | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.28         | 22.79 | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.4          | 22.90 | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.34         | 22.72 | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.87         | 24.36 | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.39         | 23.84 | 33          | PASS    |
|                |           |                |              | RB1#99  | 23.02         | 24.48 | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.31         | 22.77 | 33          | PASS    |

| Test Band(LTE) | Test Mode   | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-------------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |             |                |              | RB50#25 | 21.31         | 22.76 | 33          | PASS    |
|                |             |                |              | RB50#50 | 21.36         | 22.83 | 33          | PASS    |
|                |             |                |              | RB100#0 | 21.27         | 22.88 | 33          | PASS    |
|                | LTE/T<br>M2 | 5              | LCH          | RB1#0   | 21.85         | 23.46 | 33          | PASS    |
|                |             |                |              | RB1#13  | 21.95         | 23.51 | 33          | PASS    |
|                |             |                |              | RB1#24  | 21.94         | 23.44 | 33          | PASS    |
|                |             |                |              | RB12#0  | 20.75         | 22.37 | 33          | PASS    |
|                |             |                |              | RB12#6  | 20.7          | 22.05 | 33          | PASS    |
|                |             |                |              | RB12#13 | 20.79         | 22.24 | 33          | PASS    |
|                |             |                |              | RB25#0  | 20.73         | 22.22 | 33          | PASS    |
|                |             |                | MCH          | RB1#0   | 21.96         | 23.45 | 33          | PASS    |
|                |             |                |              | RB1#13  | 22            | 23.49 | 33          | PASS    |
|                |             |                |              | RB1#24  | 21.98         | 23.49 | 33          | PASS    |
|                |             |                |              | RB12#0  | 20.78         | 22.29 | 33          | PASS    |
|                |             |                |              | RB12#6  | 20.83         | 22.31 | 33          | PASS    |
|                |             |                |              | RB12#13 | 20.83         | 22.20 | 33          | PASS    |
|                |             |                |              | RB25#0  | 20.69         | 22.13 | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 22.06         | 23.61 | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.09         | 23.66 | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.1          | 23.70 | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.83         | 22.36 | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.75         | 22.23 | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.9          | 22.40 | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.74         | 22.26 | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 21.78         | 23.25 | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.57         | 23.20 | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.77         | 23.15 | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.71         | 22.16 | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.66         | 22.17 | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.71         | 22.30 | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.64         | 22.15 | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 19.73         | 21.22 | 33          | PASS    |
|                |           |                |              | RB1#25  | 19.25         | 20.74 | 33          | PASS    |
|                |           |                |              | RB1#49  | 19.75         | 21.22 | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB25#0  | 19.73         | 21.23 | 33          | PASS    |
|                |           |                |              | RB25#13 | 19.74         | 21.10 | 33          | PASS    |
|                |           |                |              | RB25#25 | 19.75         | 21.26 | 33          | PASS    |
|                |           |                |              | RB50#0  | 19.79         | 21.35 | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.92         | 23.47 | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.58         | 23.07 | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.99         | 23.36 | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.68         | 22.02 | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.72         | 22.07 | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.78         | 22.24 | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.74         | 22.08 | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 21.91         | 23.27 | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.02         | 23.36 | 33          | PASS    |
|                |           |                |              | RB1#74  | 22            | 23.47 | 33          | PASS    |
|                |           |                |              | RB38#0  | 20.71         | 22.09 | 33          | PASS    |
|                |           |                |              | RB38#19 | 20.7          | 22.30 | 33          | PASS    |
|                |           |                |              | RB38#39 | 20.76         | 22.31 | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB75#0  | 20.65         | 22.11 | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.97         | 23.48 | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.97         | 23.35 | 33          | PASS    |
|                |           |                |              | RB1#74  | 22            | 23.36 | 33          | PASS    |
|                |           |                |              | RB38#0  | 20.75         | 22.34 | 33          | PASS    |
|                |           |                |              | RB38#19 | 20.72         | 22.26 | 33          | PASS    |
|                |           |                |              | RB38#39 | 20.76         | 22.31 | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.78         | 22.19 | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.94         | 23.38 | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.03         | 23.38 | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.99         | 23.58 | 33          | PASS    |
|                |           |                |              | RB38#0  | 20.76         | 22.21 | 33          | PASS    |
|                |           |                |              | RB38#19 | 20.77         | 22.33 | 33          | PASS    |
|                |           |                |              | RB38#39 | 20.85         | 22.36 | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.72         | 22.07 | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.18         | 23.65 | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.68         | 23.04 | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB1#99  | 22.11         | 23.50 | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.68         | 22.14 | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.71         | 22.14 | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.69         | 22.32 | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.66         | 22.14 | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.13         | 23.51 | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.9          | 23.26 | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.18         | 23.69 | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.73         | 22.21 | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.75         | 22.24 | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.79         | 22.28 | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.72         | 22.06 | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.19         | 23.68 | 33          | PASS    |
|                |           |                |              | RB1#50  | 22            | 23.51 | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.3          | 23.69 | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.71         | 22.22 | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.71         | 22.18 | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP  | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-------|-------------|---------|
|                |           |                |              | RB50#50 | 20.78         | 22.34 | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.74         | 22.11 | 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:

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

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

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

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   | 3.8          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.78         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 3.85         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.42         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.48         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.87         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.23         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.22         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.18         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.17         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.35         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.6          | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.4          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.06         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.05         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.89         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.92         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.41         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 3.72         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.94         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.86         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.38         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.21         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 3.98         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.07         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.05         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#0  | 5.04         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.33         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.74         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.04         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.32         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.09         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.01         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.13         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.52         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 3.71         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 3.9          | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.08         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.3          | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.42         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.33         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.09         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.19         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.89         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.07         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 3.95         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.66         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.37         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.28         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.9          | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 3.85         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.83         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.91         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      | MCH          | RB1#0   | 4.16         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.4          | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5            | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.08         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.82         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 3.89         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.37         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.16         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.88         | 13         | PASS    |
|                    | LTE/TM2   | 5                    | LCH          | RB1#0   | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.59         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.61         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.03         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.02         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.54         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.89         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.96         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.92         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.1          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.24         | 13         | PASS    |
|                    |           | 10                   | HCH          | RB1#0   | 4.29         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.73         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.27         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.93         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#13 | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.36         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.79         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.1          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.4          | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.51         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.52         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.05         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.19         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.78         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.96         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.38         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.69         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.95         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.08         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.83         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.25         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.61         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.27         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.91         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.64         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.39         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#50  | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.14         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.5          | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.53         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.43         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.59         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.8          | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.31         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.74         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.5          | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.34         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.7          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.03         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.1          | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.88         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.71         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

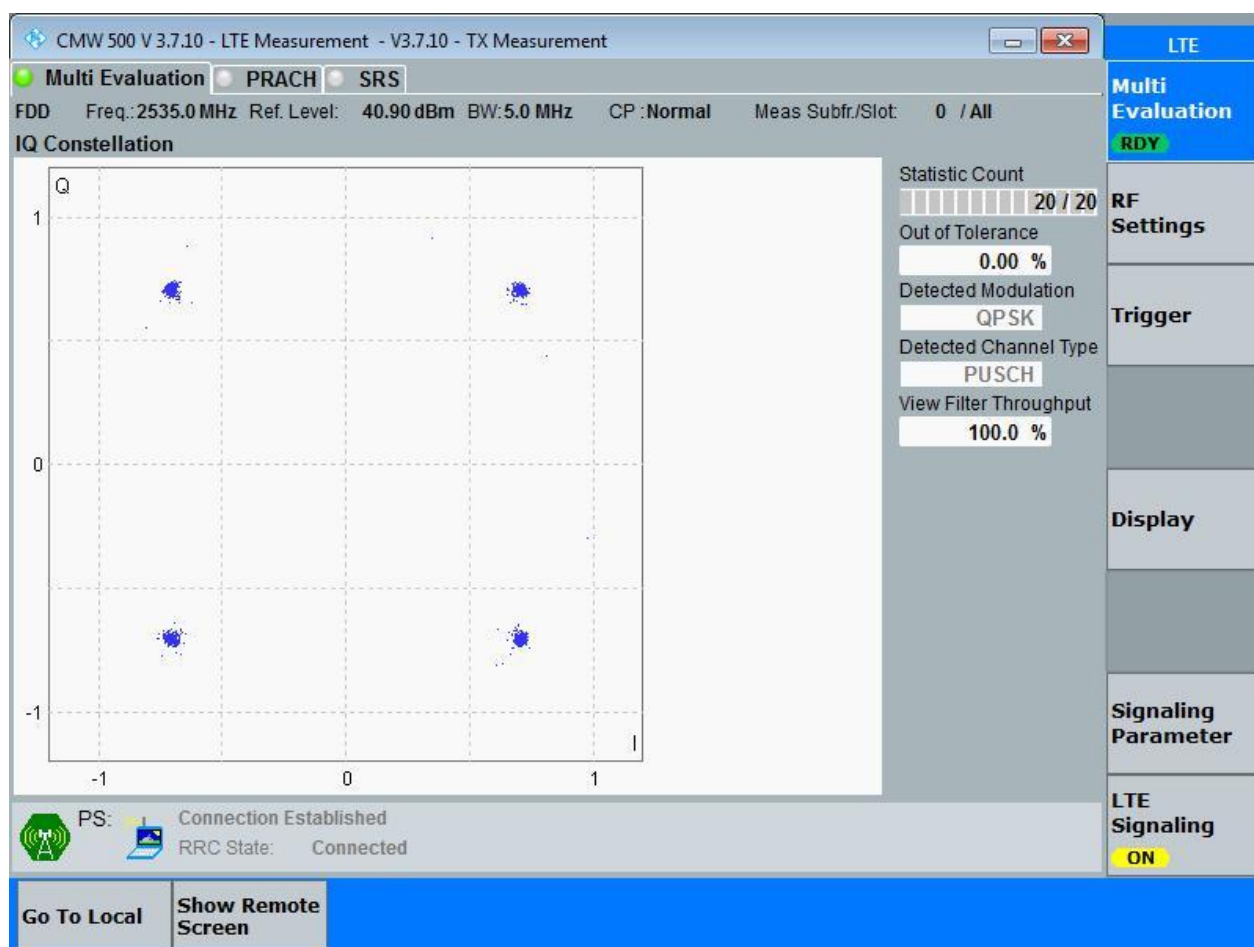
##### 3.1.1 Test Band = BAND7

##### 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

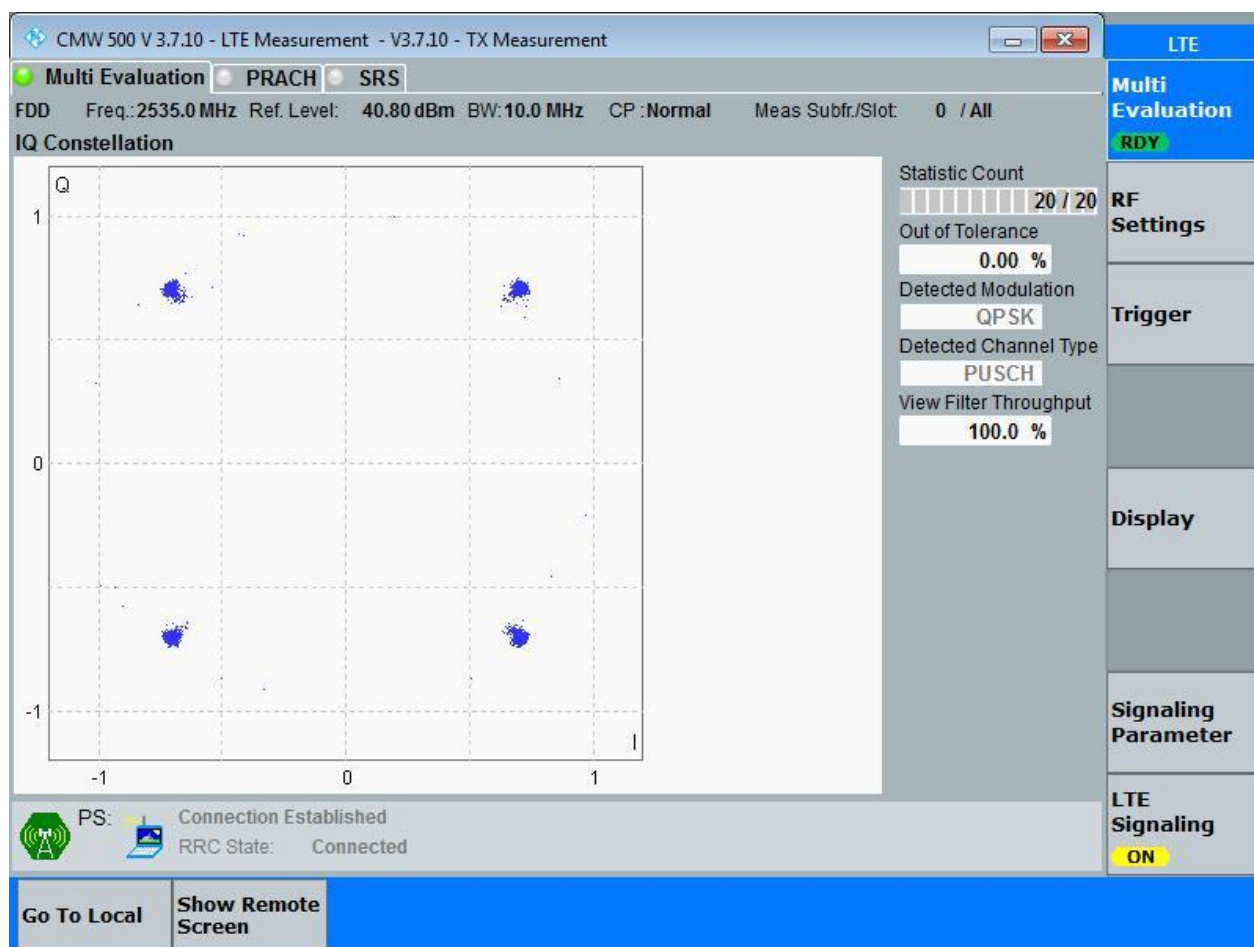
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 3.1.1.1.2 Test Bandwidth = 10

#### 3.1.1.1.2.1 Test Channel = MCH

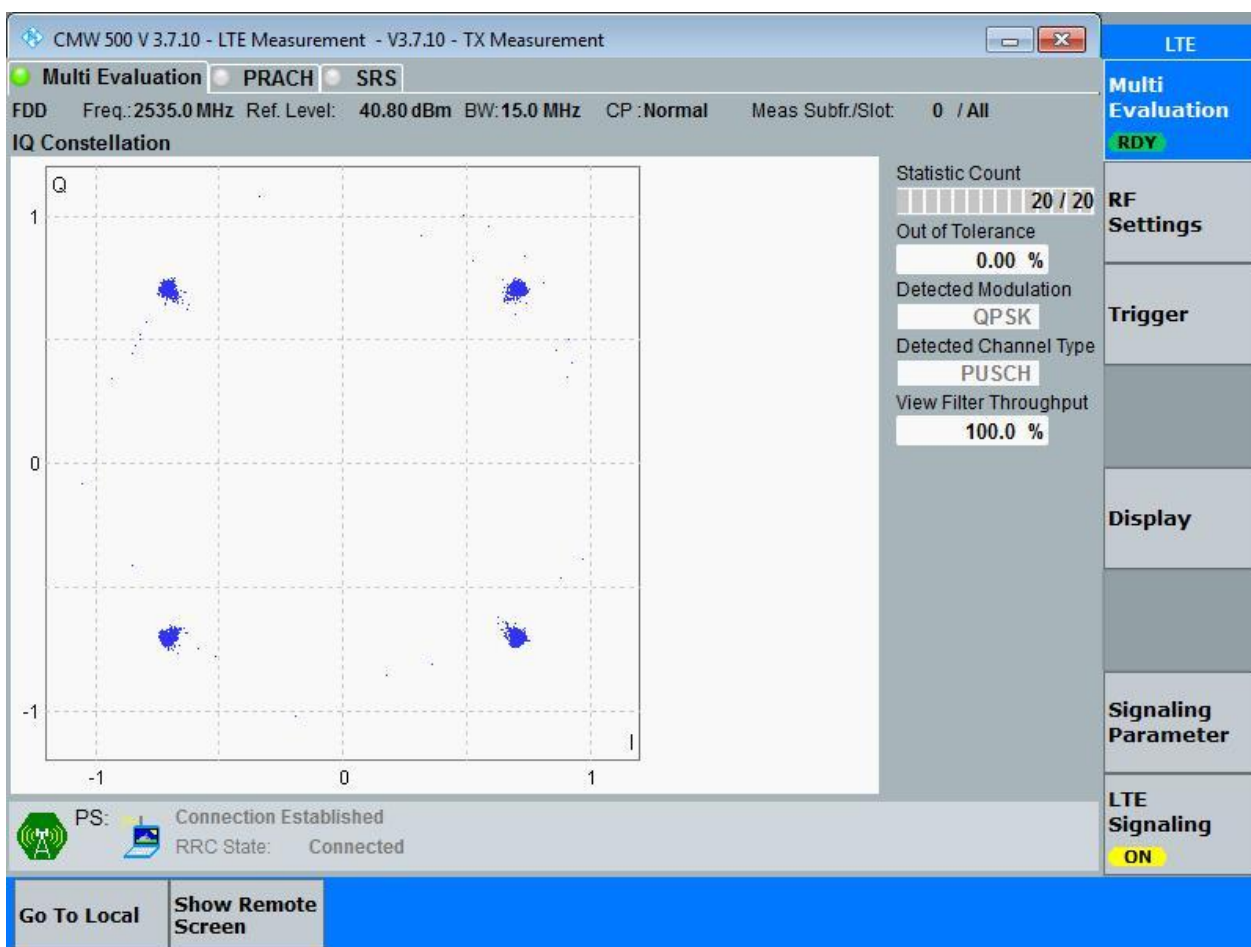
##### 3.1.1.1.2.1.1 Test RB = RB50#0



### 3.1.1.1.3 Test Bandwidth = 15

#### 3.1.1.1.3.1 Test Channel = MCH

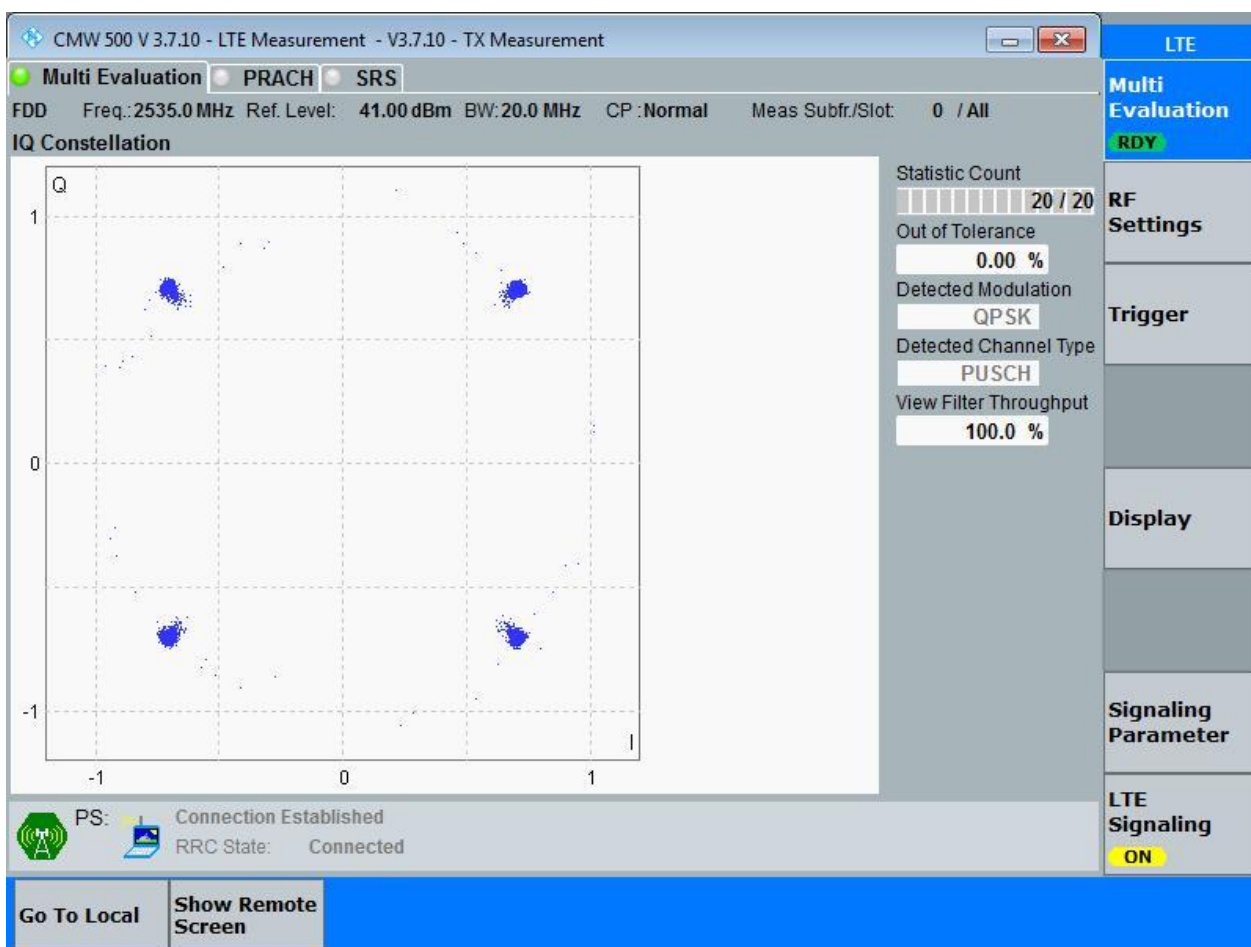
##### 3.1.1.1.3.1.1 Test RB = RB75#0



### 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

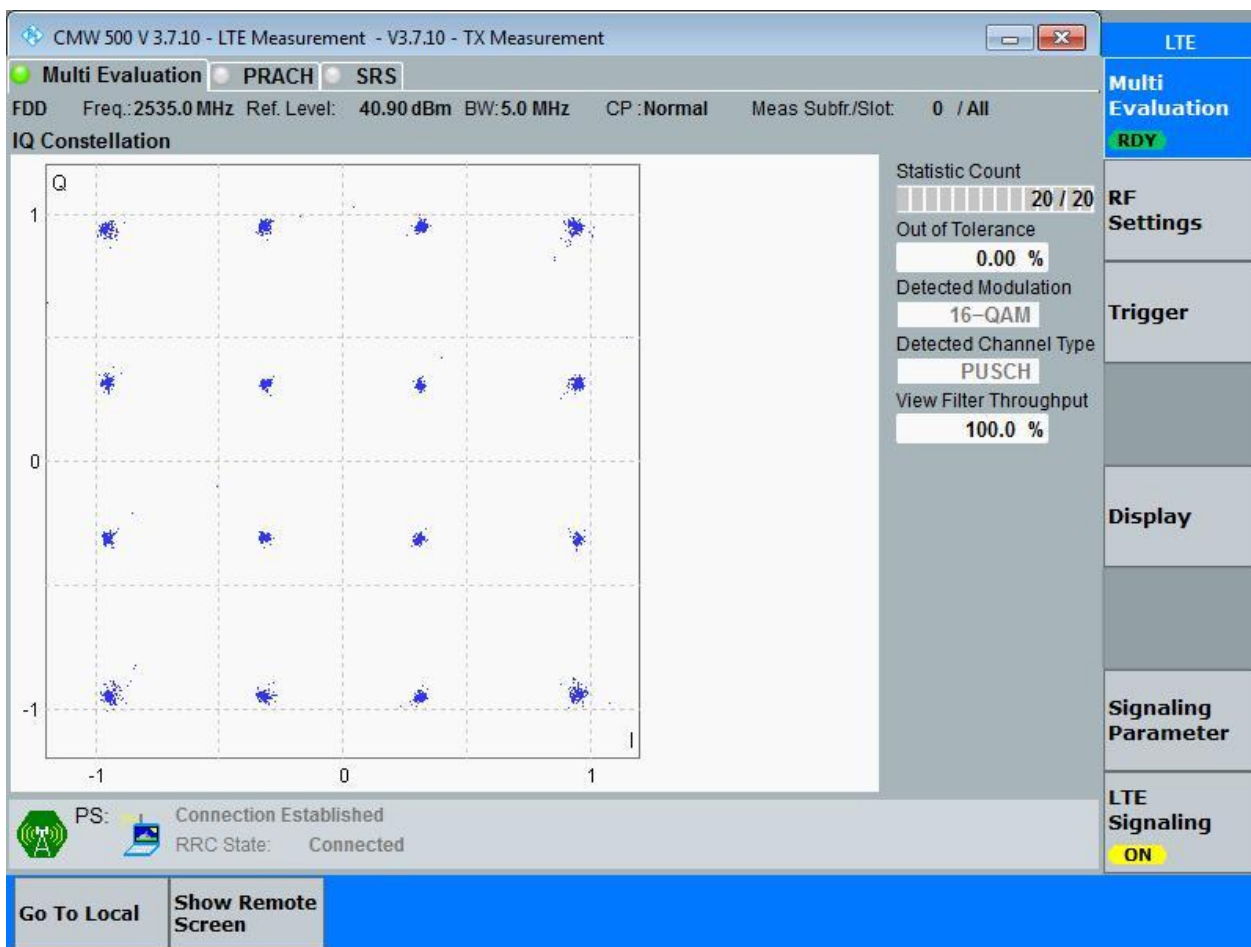


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5

##### 3.1.1.2.1.1 Test Channel = MCH

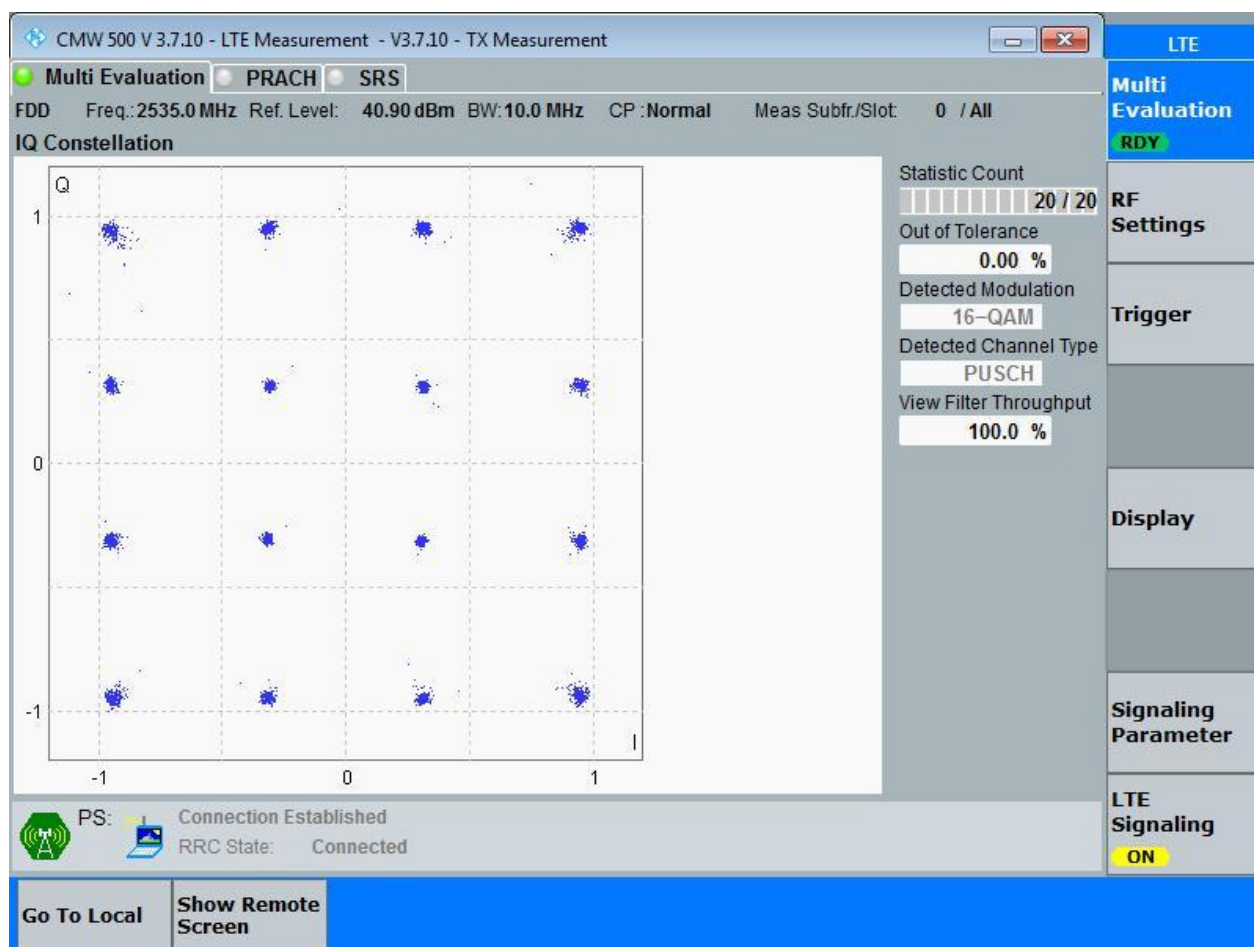
##### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.2 Test Bandwidth = 10

#### 3.1.1.2.2.1 Test Channel = MCH

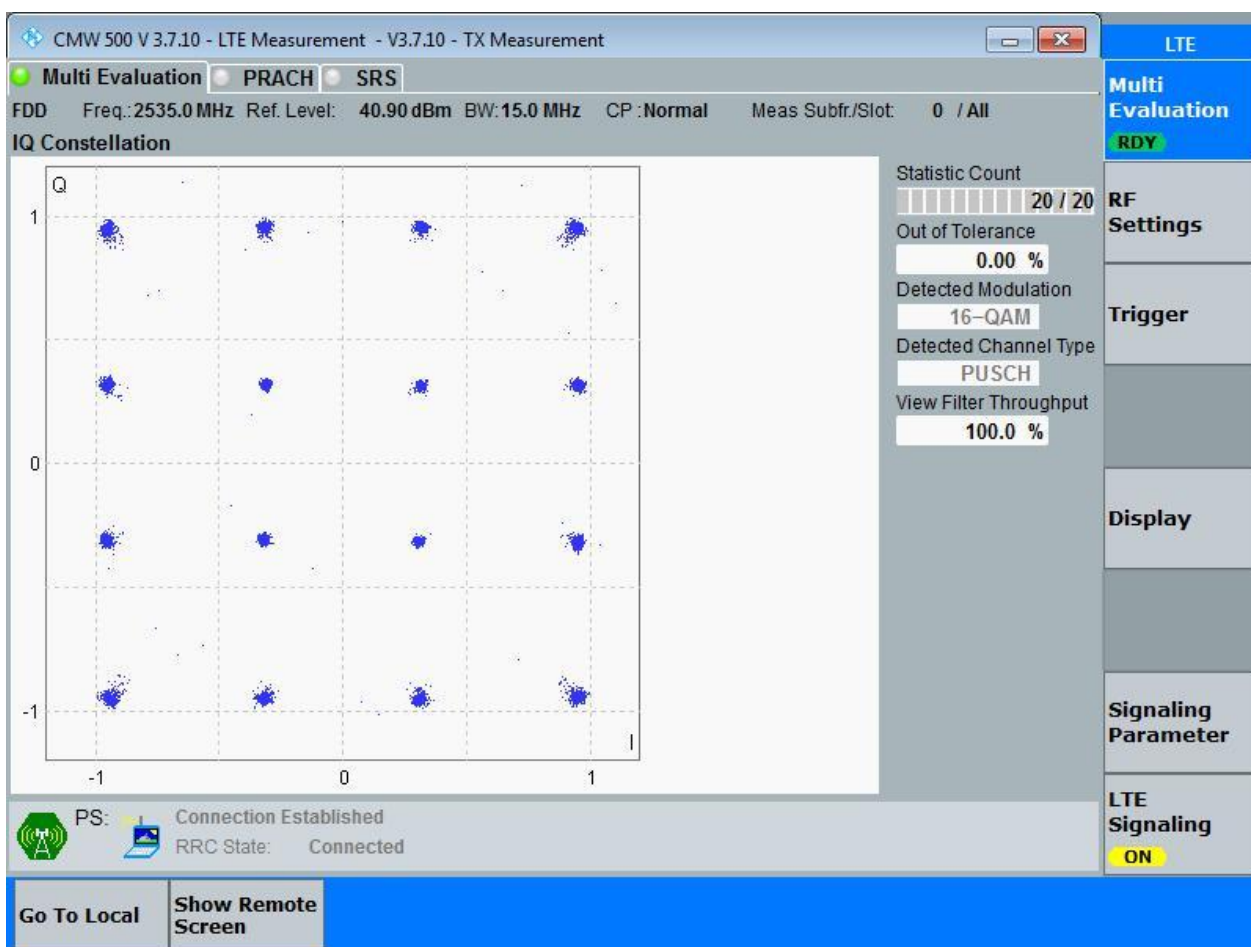
##### 3.1.1.2.2.1.1 Test RB = RB50#0



### 3.1.1.2.3 Test Bandwidth = 15

#### 3.1.1.2.3.1 Test Channel = MCH

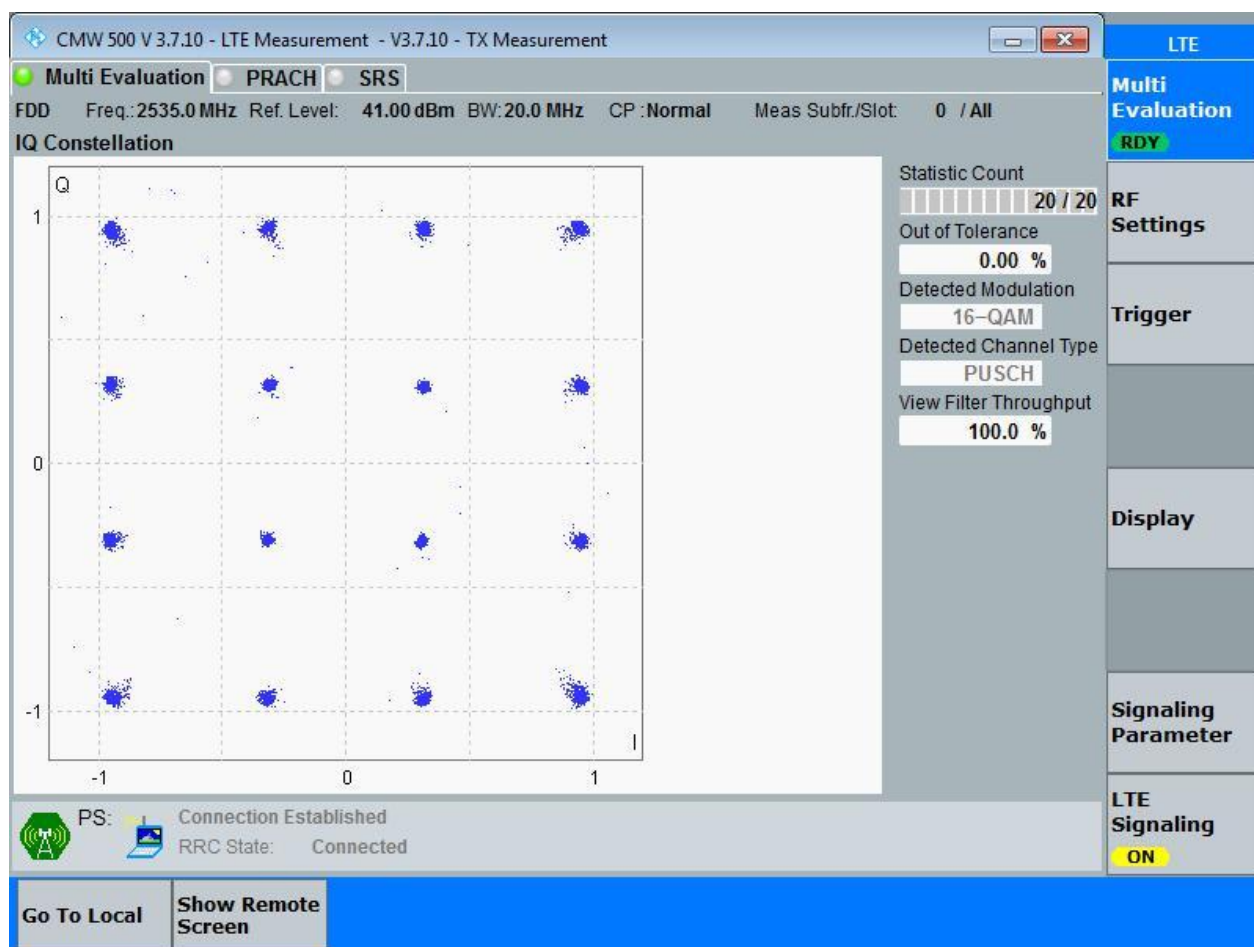
##### 3.1.1.2.3.1.1 Test RB = RB75#0



### 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  | 4.54                     | 5.92                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.54                     | 5.82                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.54                     | 5.89                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 9.03                     | 10.45                    | Pass    |
|           |           |                | MCH          | RB50#0  | 9.02                     | 10.50                    | Pass    |
|           |           |                | HCH          | RB50#0  | 9.02                     | 10.54                    | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.50                    | 15.34                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.56                    | 15.38                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.53                    | 15.28                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.96                    | 19.89                    | Pass    |
|           |           |                | MCH          | RB100#0 | 18.09                    | 20.22                    | Pass    |
|           |           |                | HCH          | RB100#0 | 18.01                    | 20.03                    | Pass    |
|           | LTE/TM2   | 5              | LCH          | RB25#0  | 4.55                     | 5.78                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.54                     | 5.84                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.55                     | 5.82                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 9.03                     | 10.54                    | Pass    |
|           |           |                | MCH          | RB50#0  | 9.02                     | 10.58                    | Pass    |
|           |           |                | HCH          | RB50#0  | 9.02                     | 10.52                    | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.51                    | 15.13                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.57                    | 15.32                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.53                    | 15.19                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.94                    | 19.94                    | Pass    |
|           |           |                | MCH          | RB100#0 | 18.07                    | 20.13                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.99                    | 19.94                    | Pass    |



## Part II - Test Plots

### 4.1 For LTE

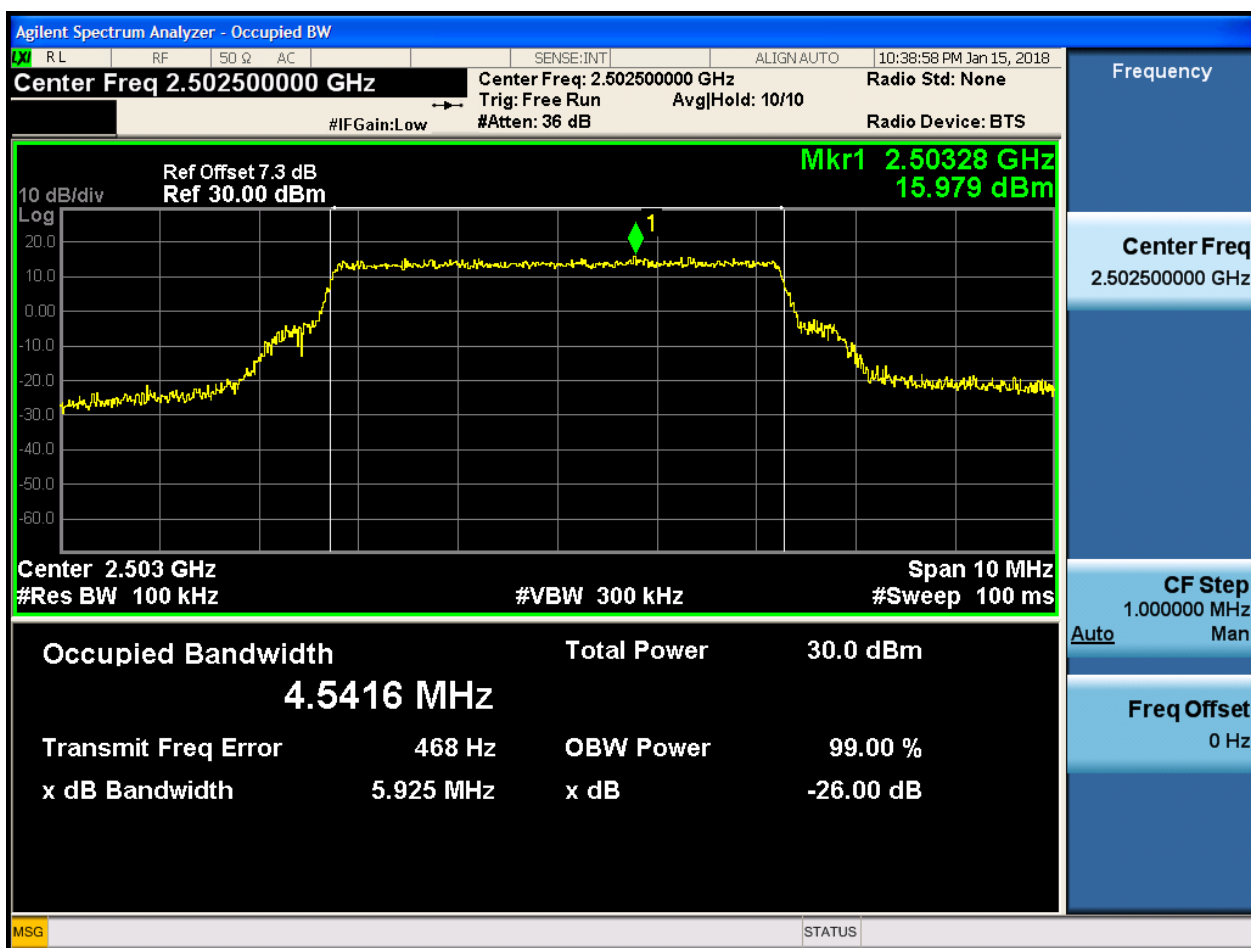
#### 4.1.1 Test Band = BAND7

##### 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

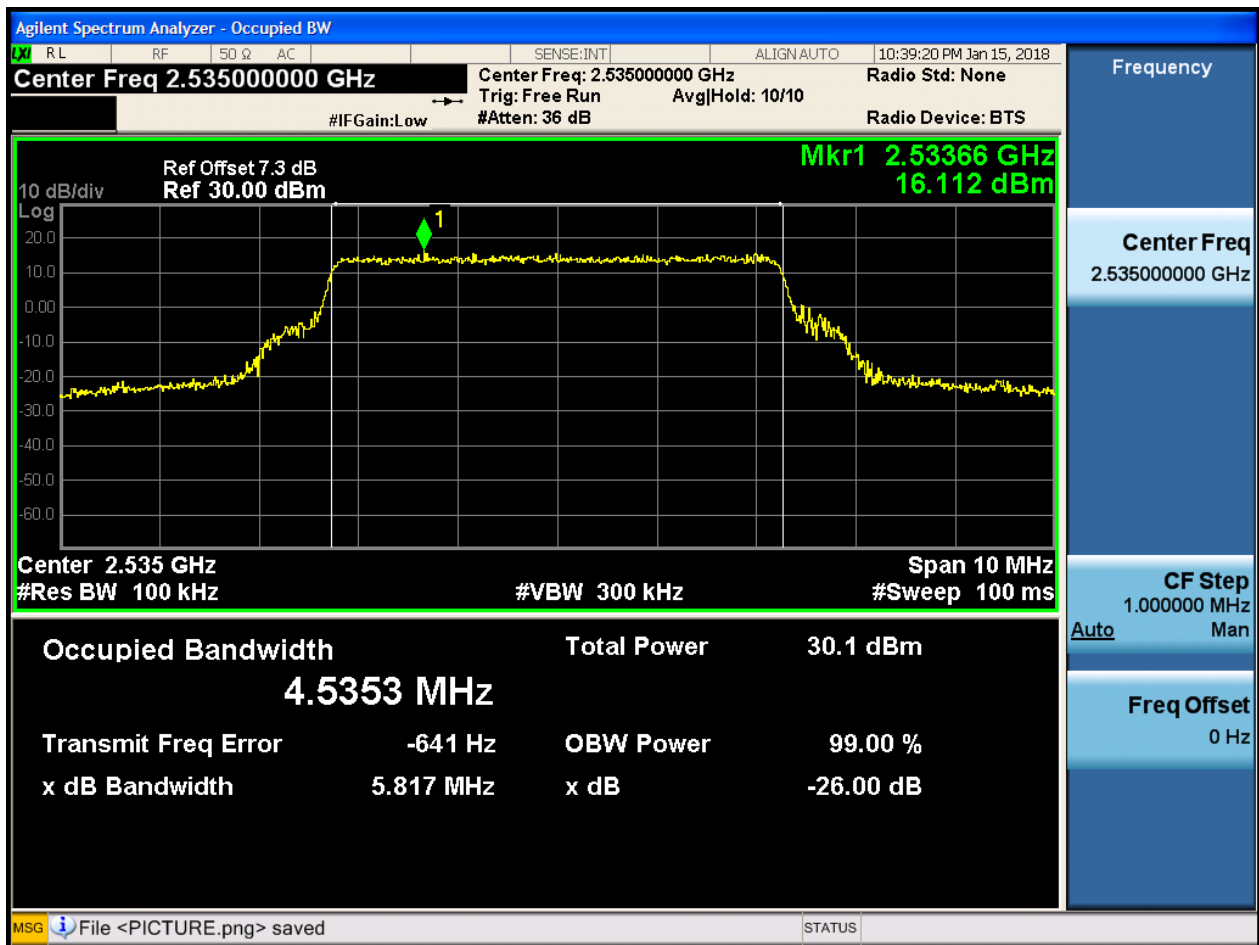
##### 4.1.1.1.1.1.1 Test RB = RB25#0





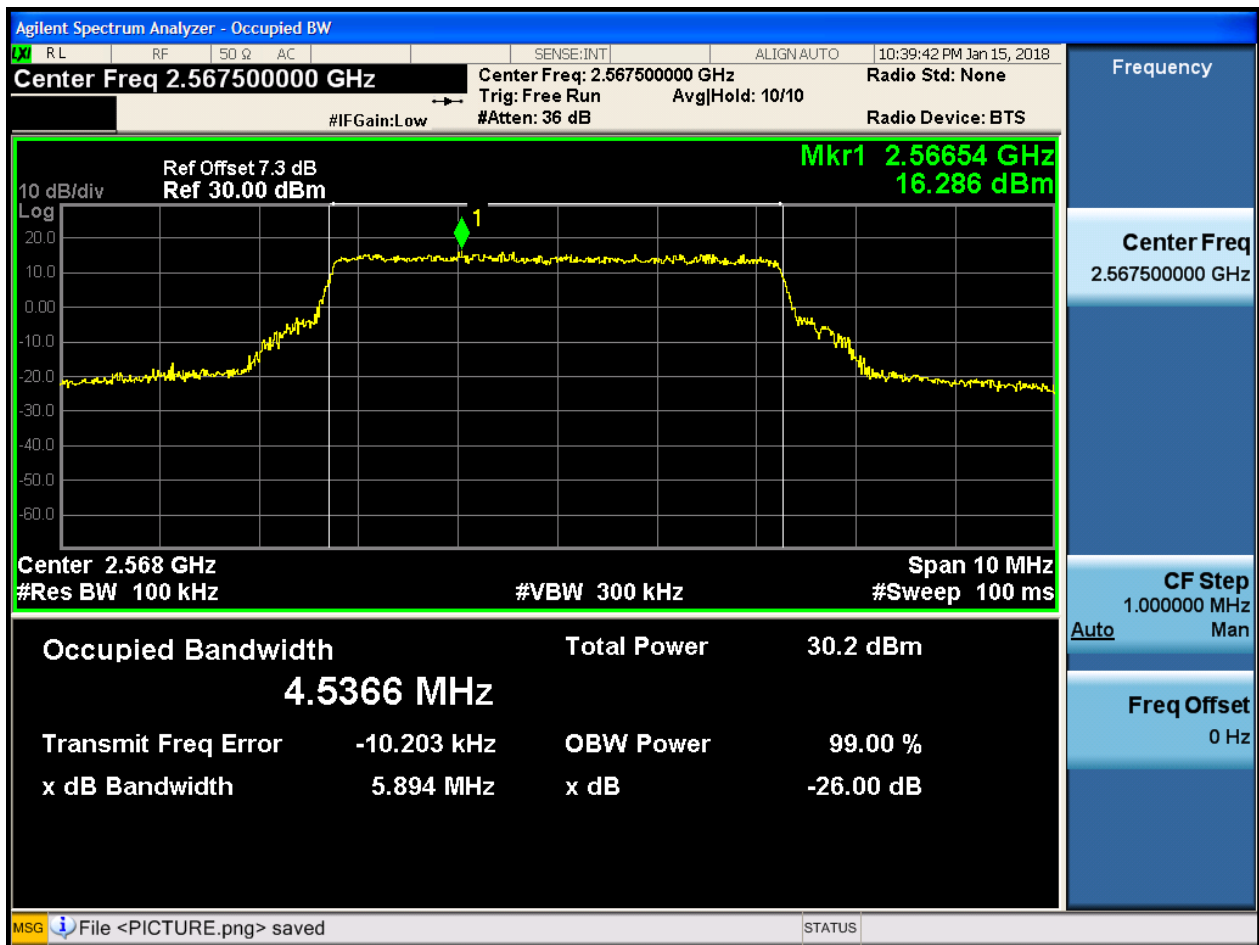
## 4.1.1.1.1.2 Test Channel = MCH

## 4.1.1.1.1.2.1 Test RB = RB25#0



#### 4.1.1.1.1.3 Test Channel = HCH

##### 4.1.1.1.1.3.1 Test RB = RB25#0

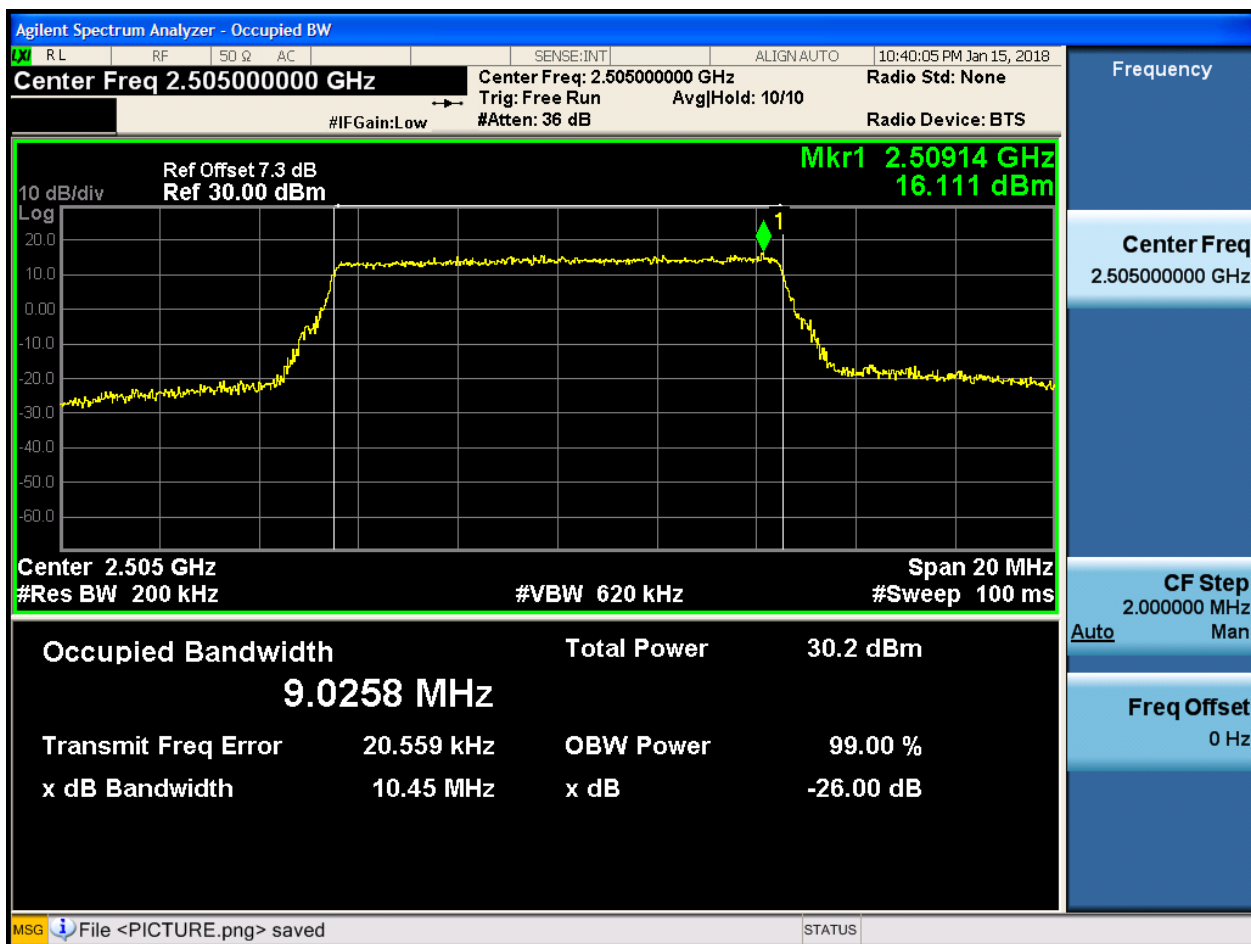




## 4.1.1.1.2 Test Bandwidth = 10

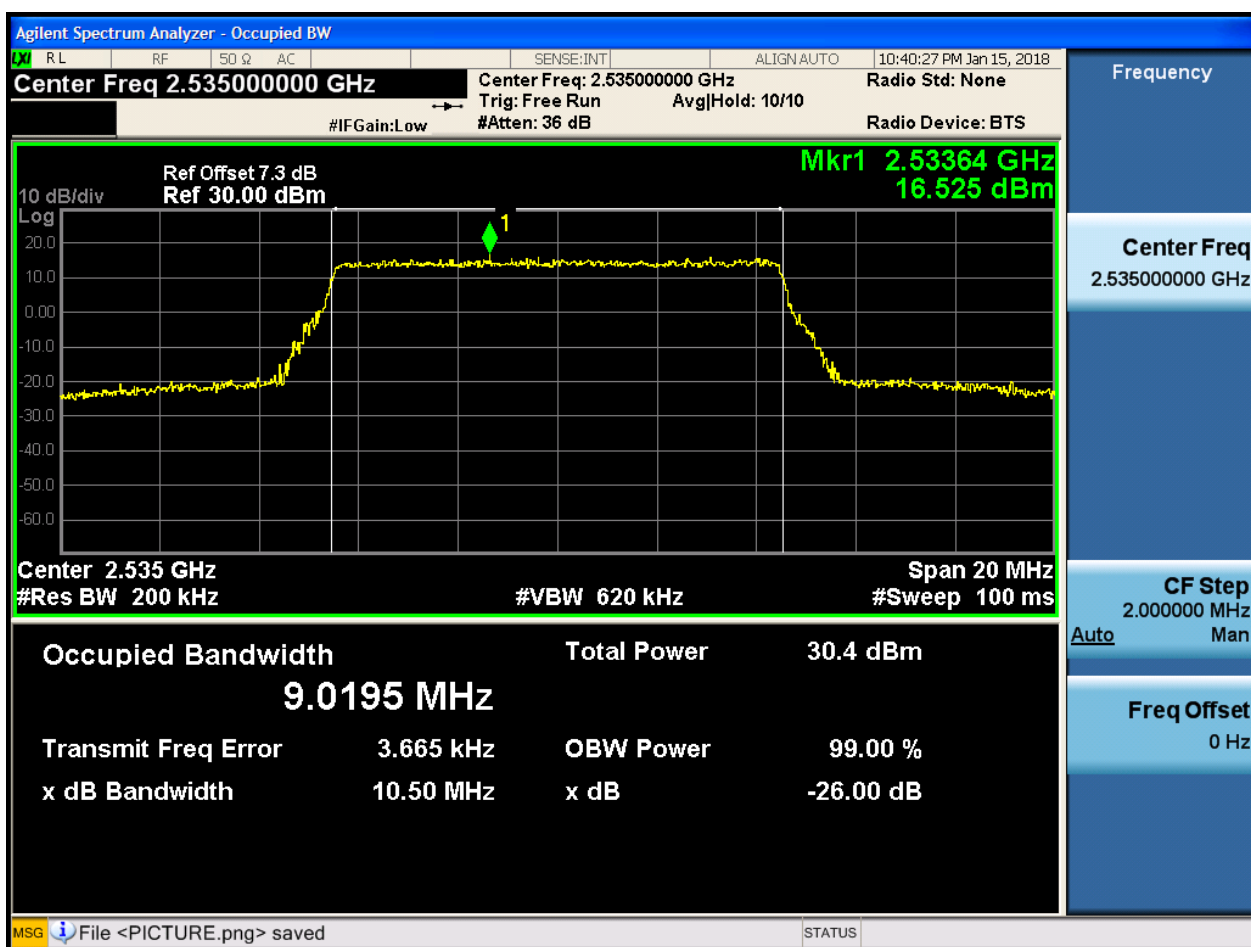
## 4.1.1.1.2.1 Test Channel = LCH

## 4.1.1.1.2.1.1 Test RB = RB50#0



#### 4.1.1.1.2.2 Test Channel = MCH

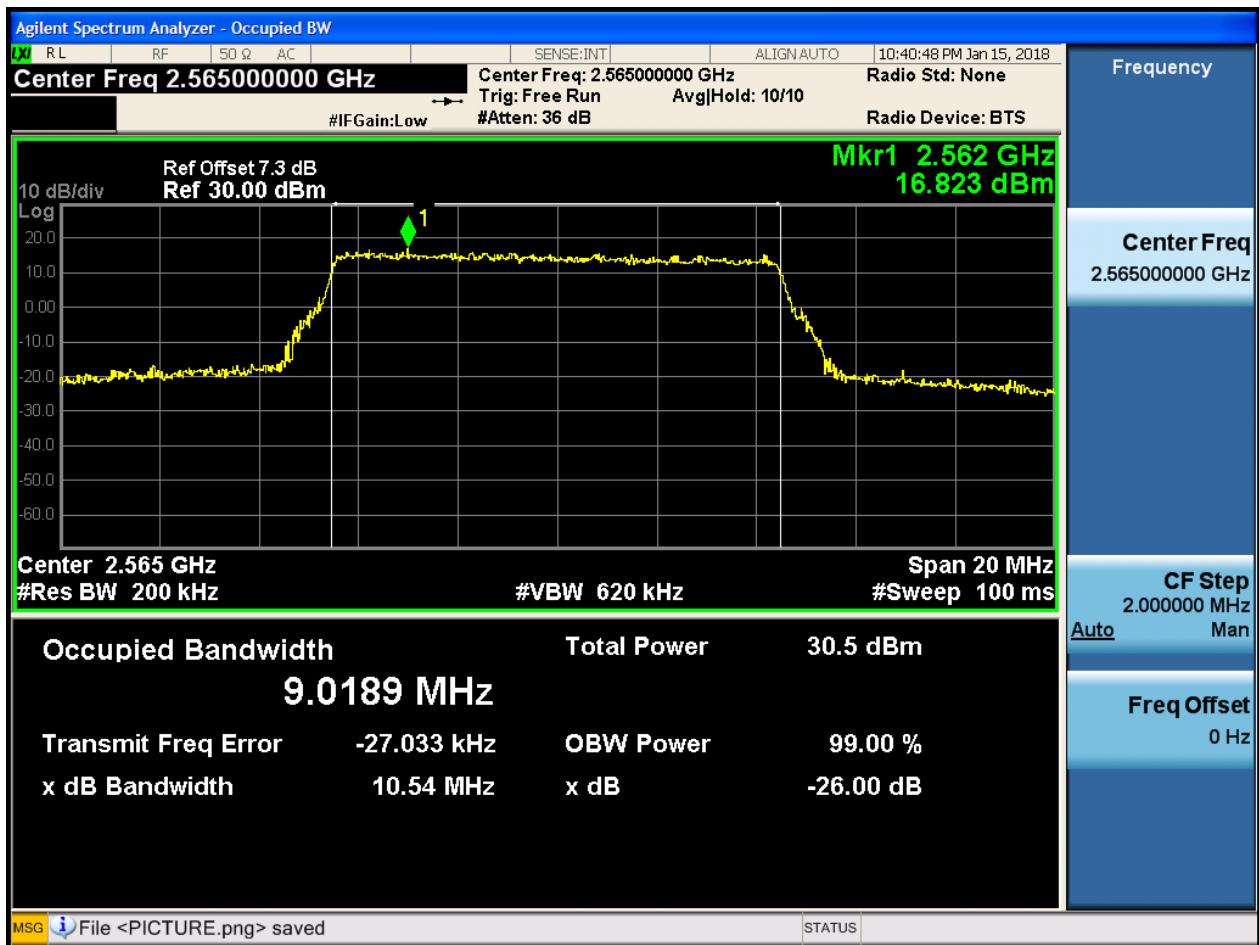
##### 4.1.1.1.2.2.1 Test RB = RB50#0





## 4.1.1.1.2.3 Test Channel = HCH

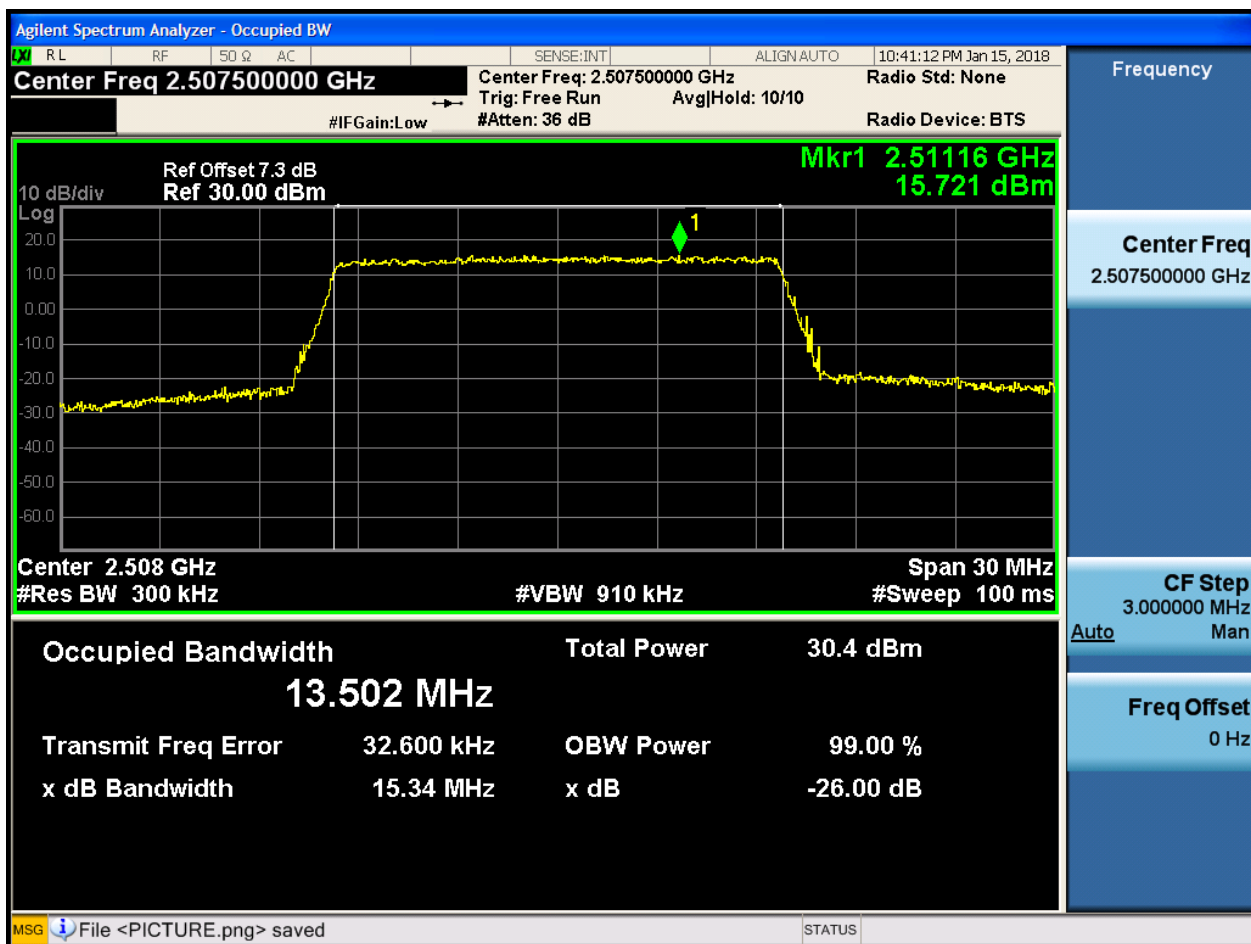
## 4.1.1.1.2.3.1 Test RB = RB50#0



#### 4.1.1.1.3 Test Bandwidth = 15

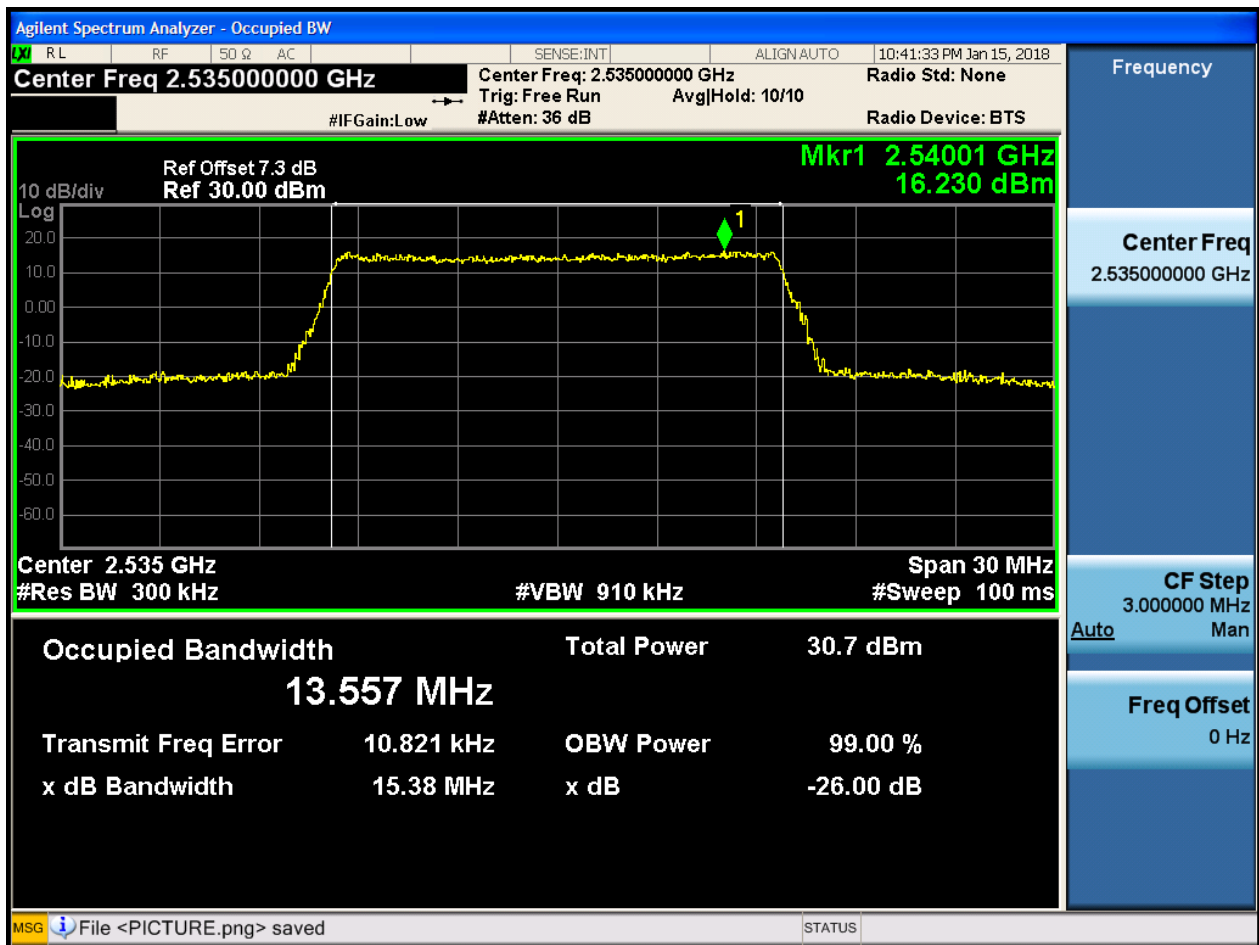
##### 4.1.1.1.3.1 Test Channel = LCH

##### 4.1.1.1.3.1.1 Test RB = RB75#0



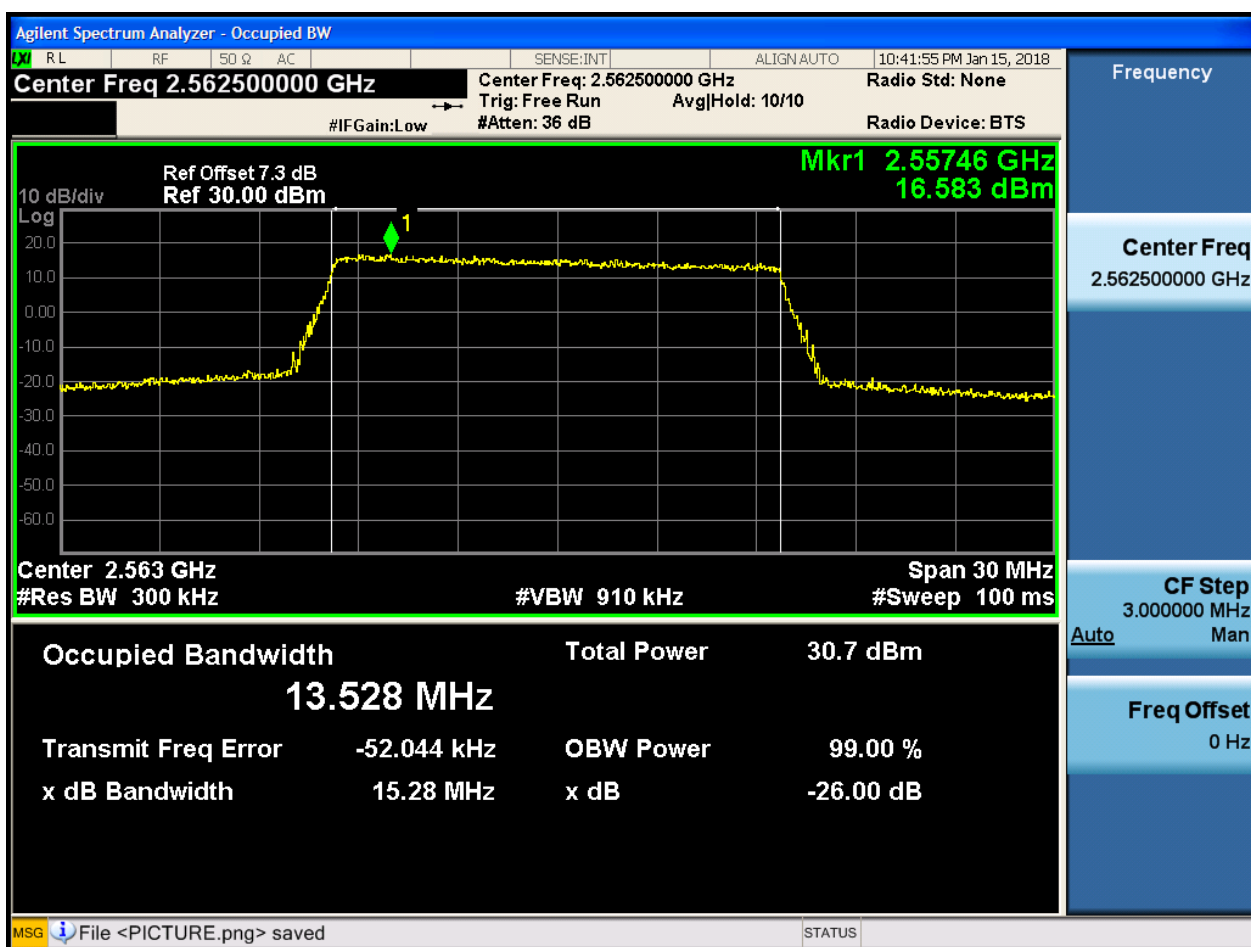
#### 4.1.1.1.3.2 Test Channel = MCH

##### 4.1.1.1.3.2.1 Test RB = RB75#0



#### 4.1.1.1.3.3 Test Channel = HCH

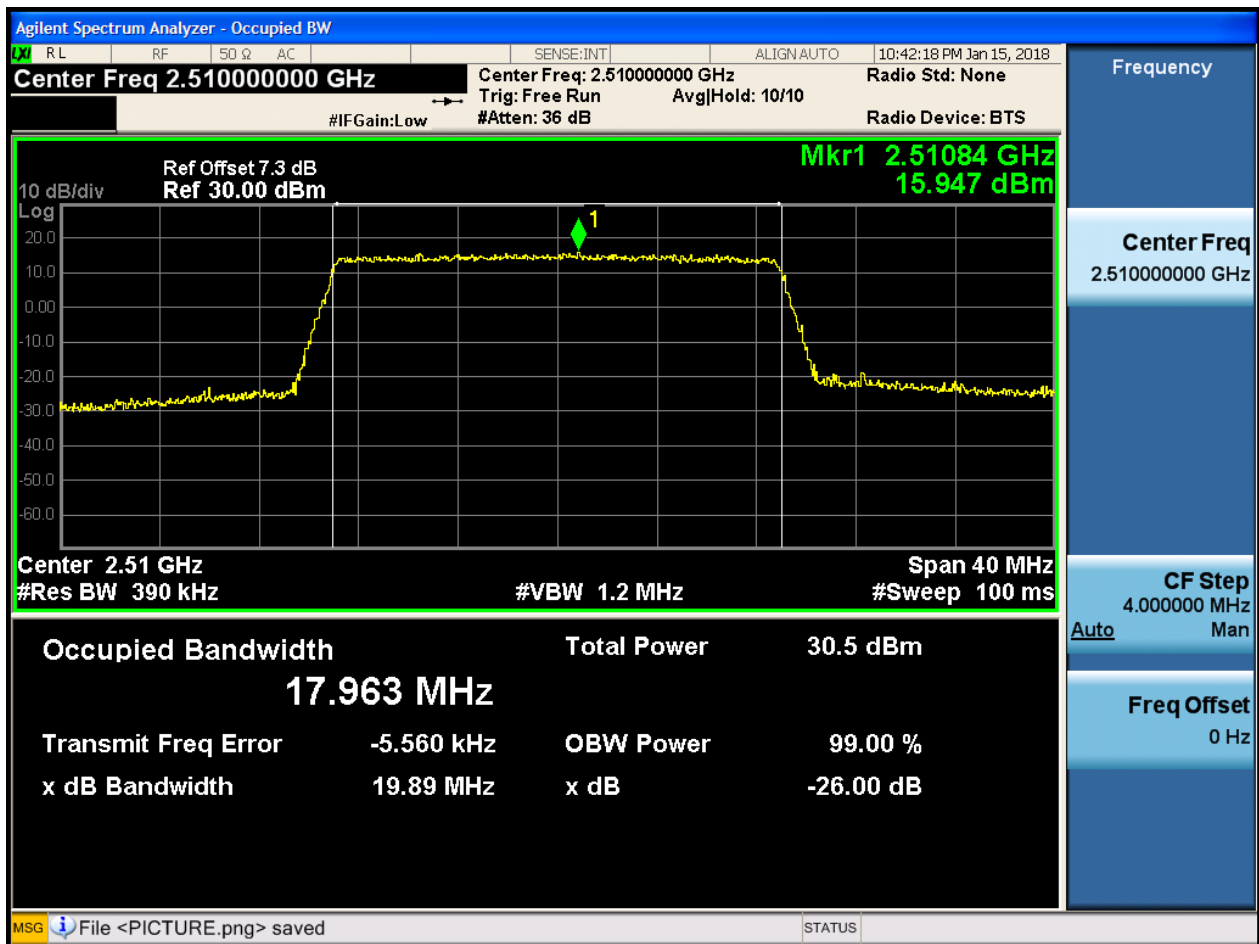
##### 4.1.1.1.3.3.1 Test RB = RB75#0



#### 4.1.1.1.4 Test Bandwidth = 20

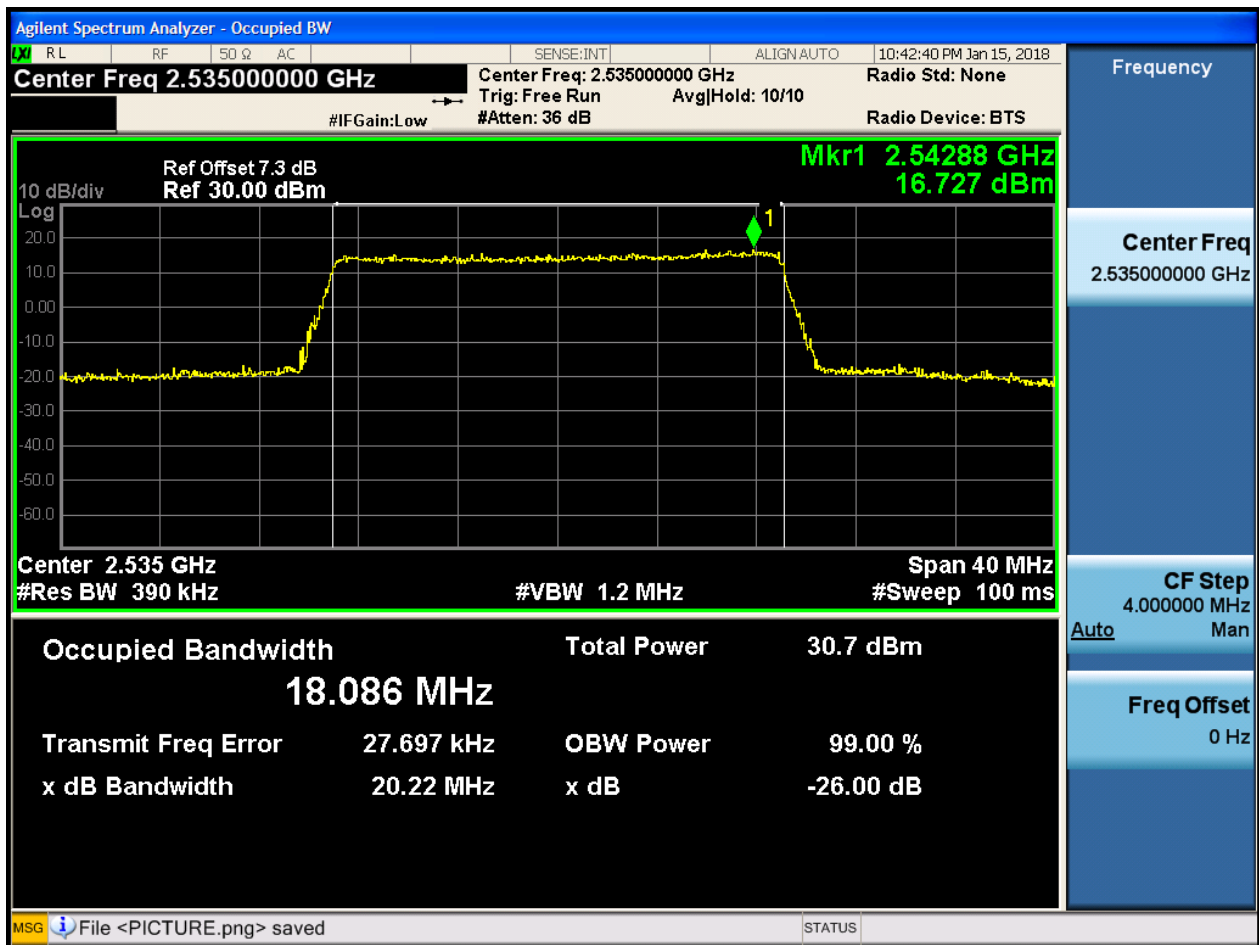
##### 4.1.1.1.4.1 Test Channel = LCH

##### 4.1.1.1.4.1.1 Test RB = RB100#0



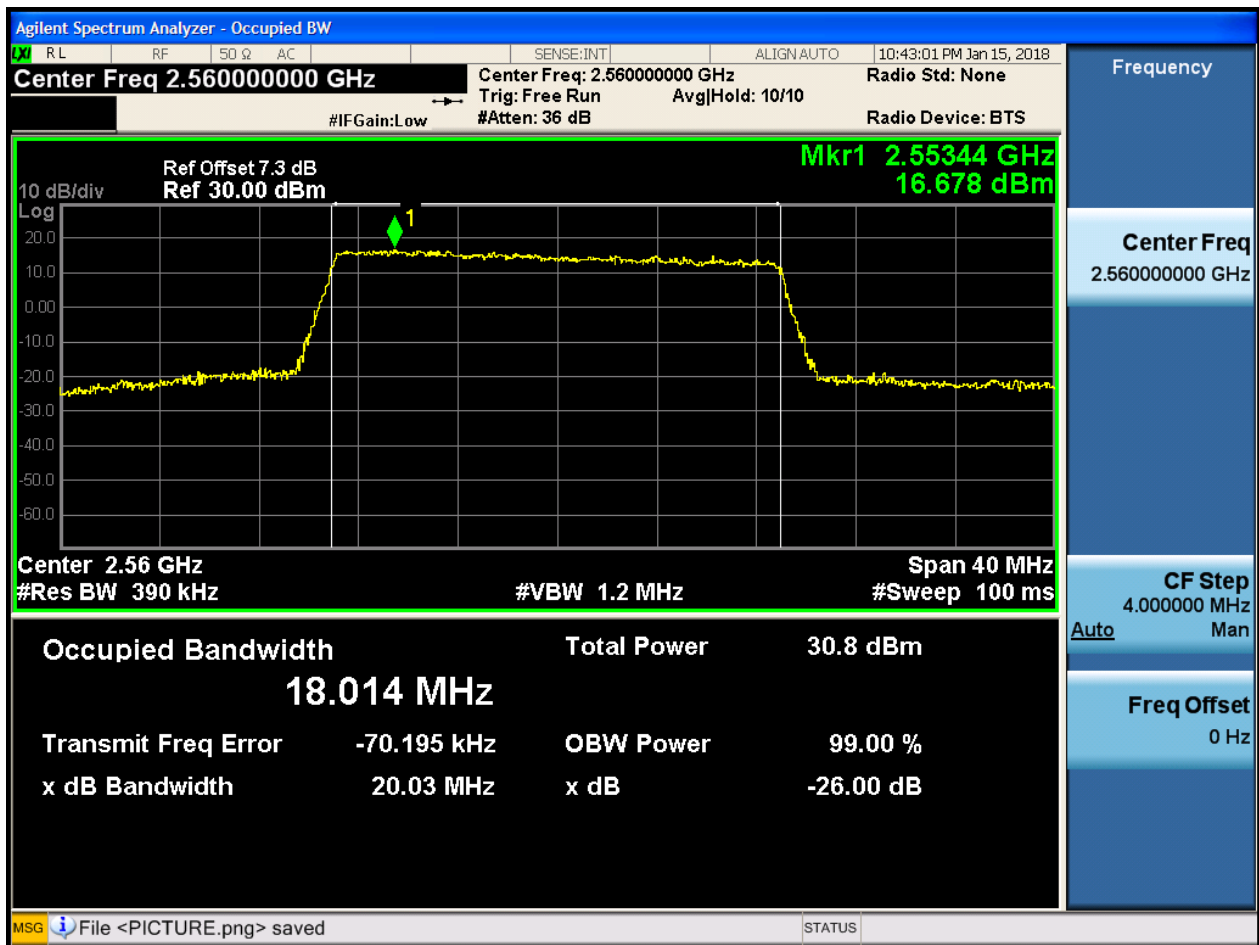
#### 4.1.1.1.4.2 Test Channel = MCH

##### 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

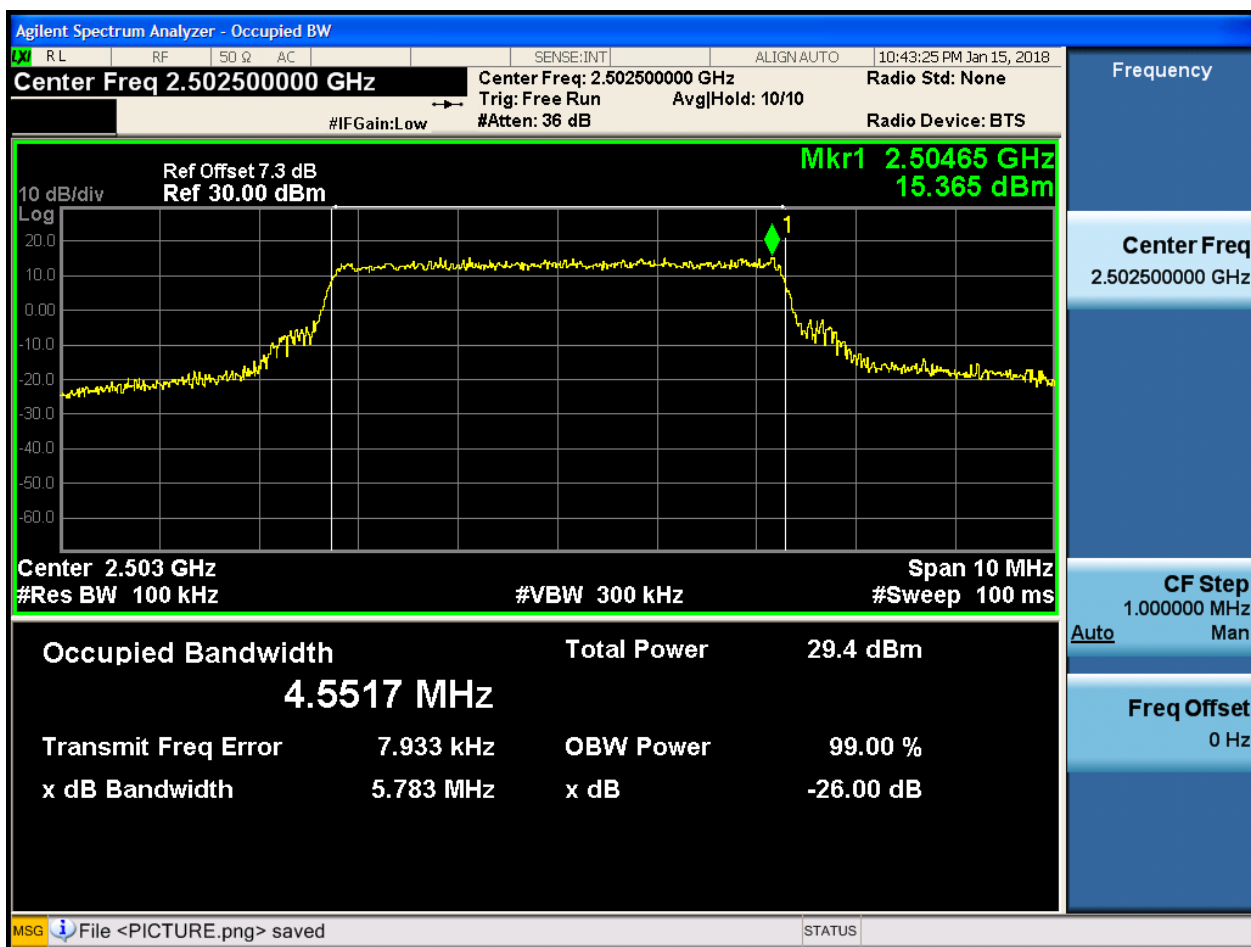


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 5

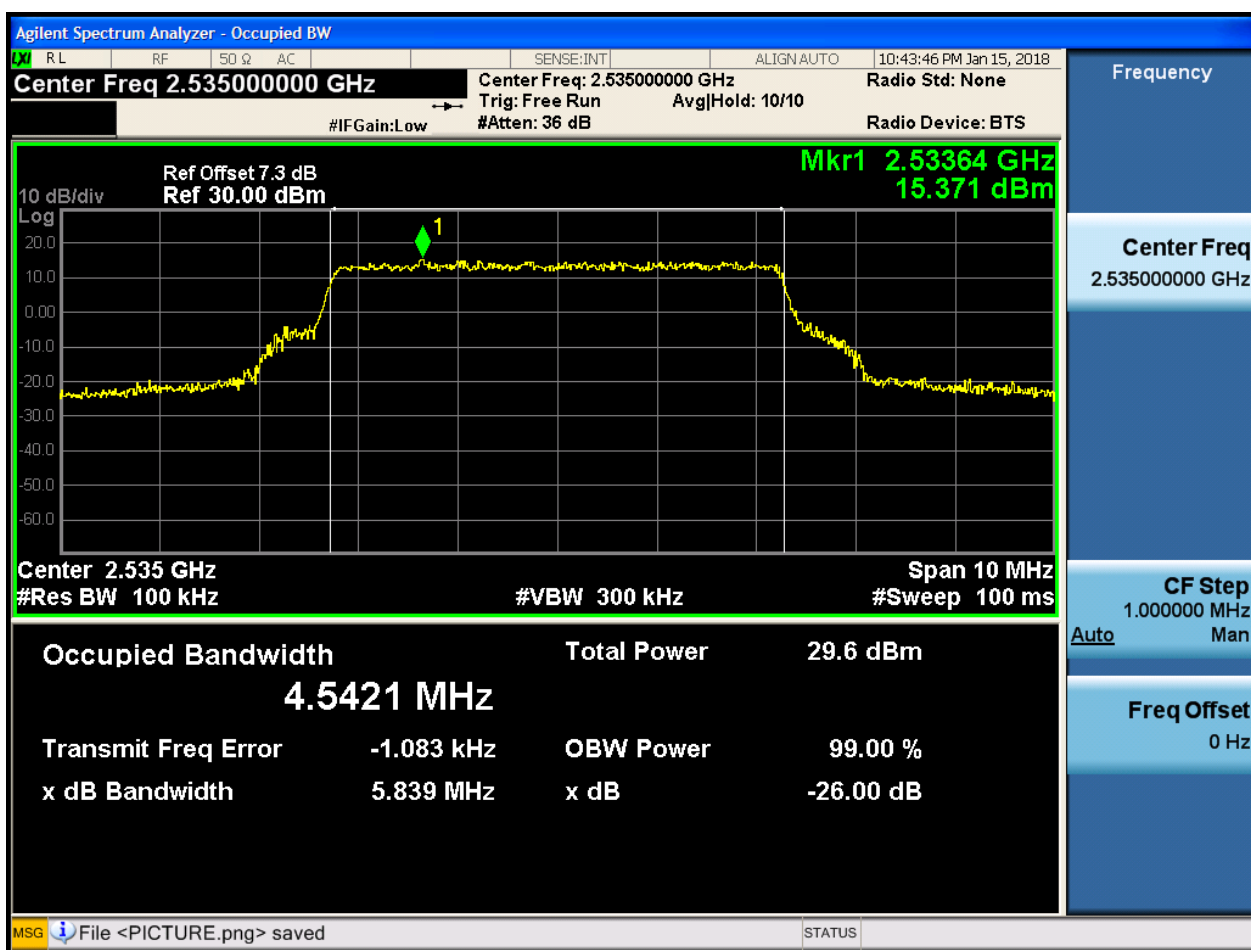
##### 4.1.1.2.1.1 Test Channel = LCH

##### 4.1.1.2.1.1.1 Test RB = RB25#0



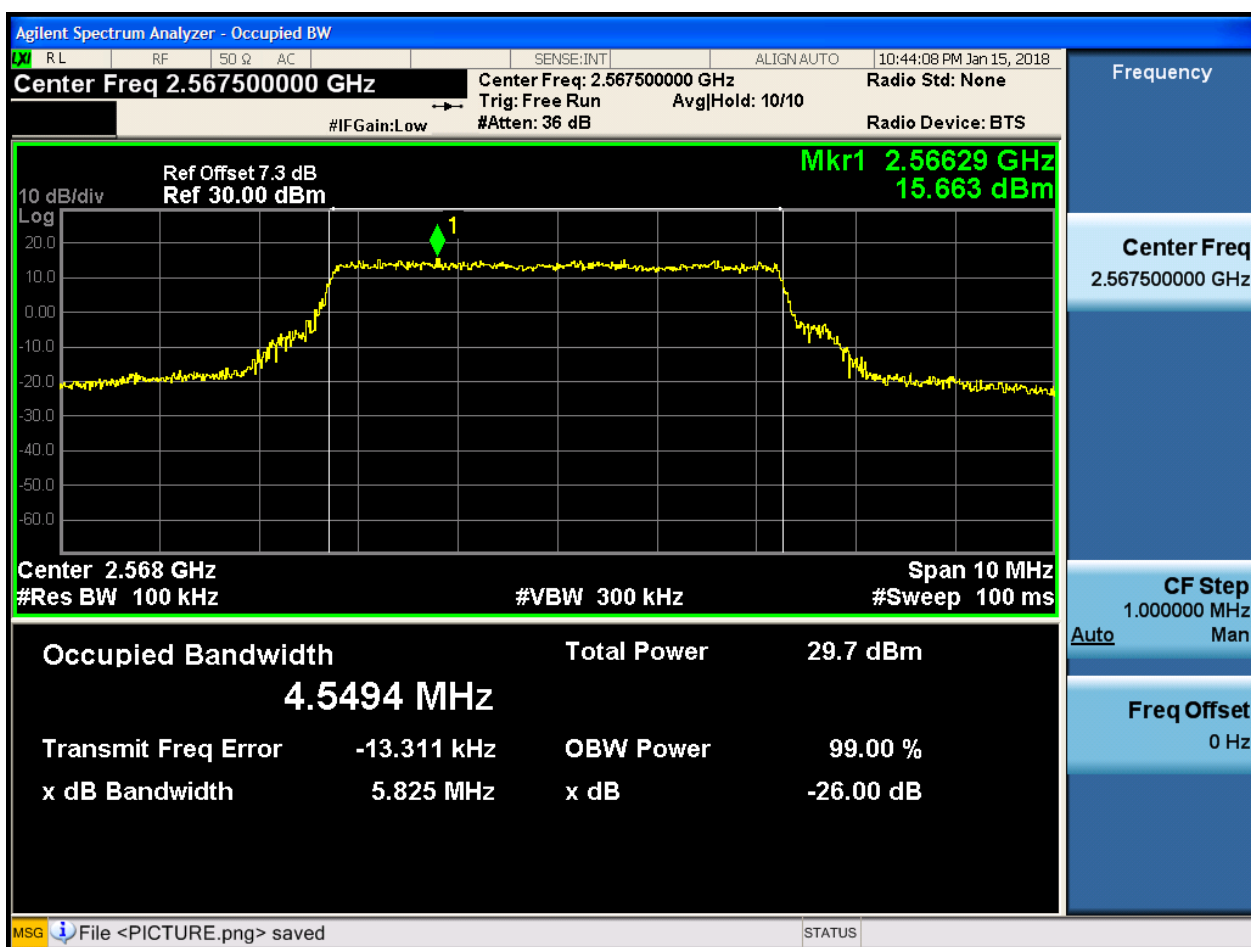
#### 4.1.1.2.1.2 Test Channel = MCH

#### 4.1.1.2.1.2.1 Test RB = RB25#0



#### 4.1.1.2.1.3 Test Channel = HCH

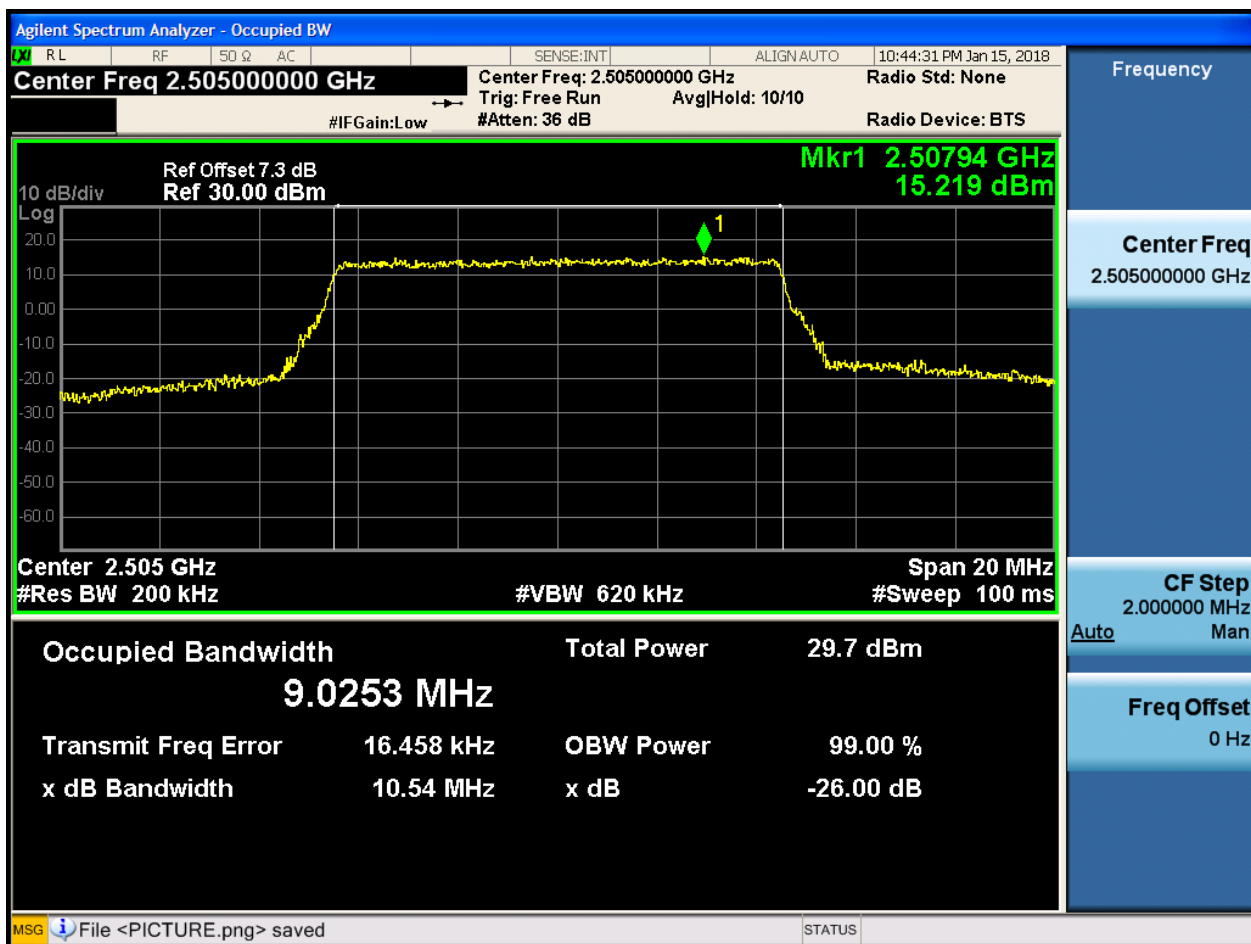
##### 4.1.1.2.1.3.1 Test RB = RB25#0



#### 4.1.1.2.2 Test Bandwidth = 10

##### 4.1.1.2.2.1 Test Channel = LCH

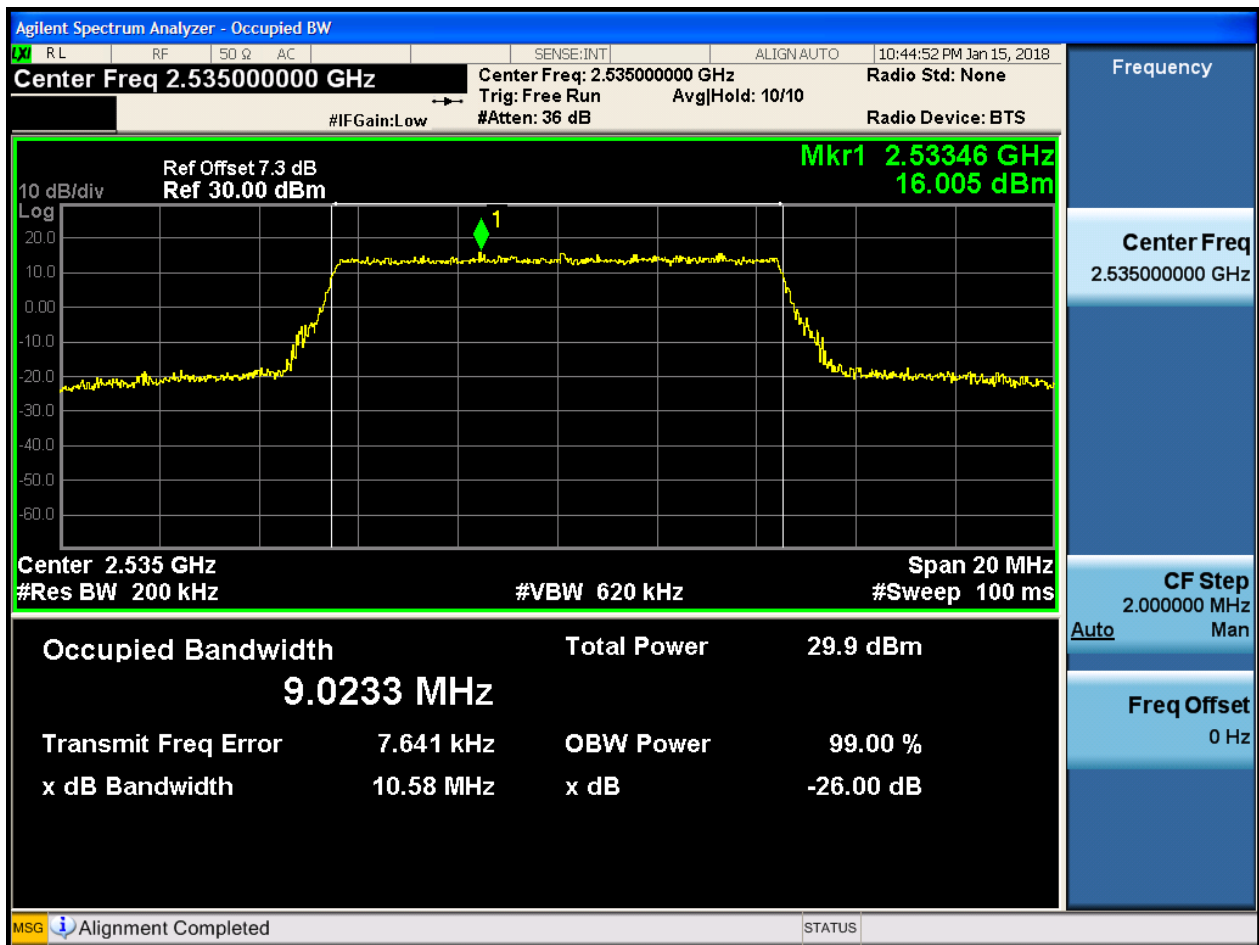
##### 4.1.1.2.2.1.1 Test RB = RB50#0





## 4.1.1.2.2.2 Test Channel = MCH

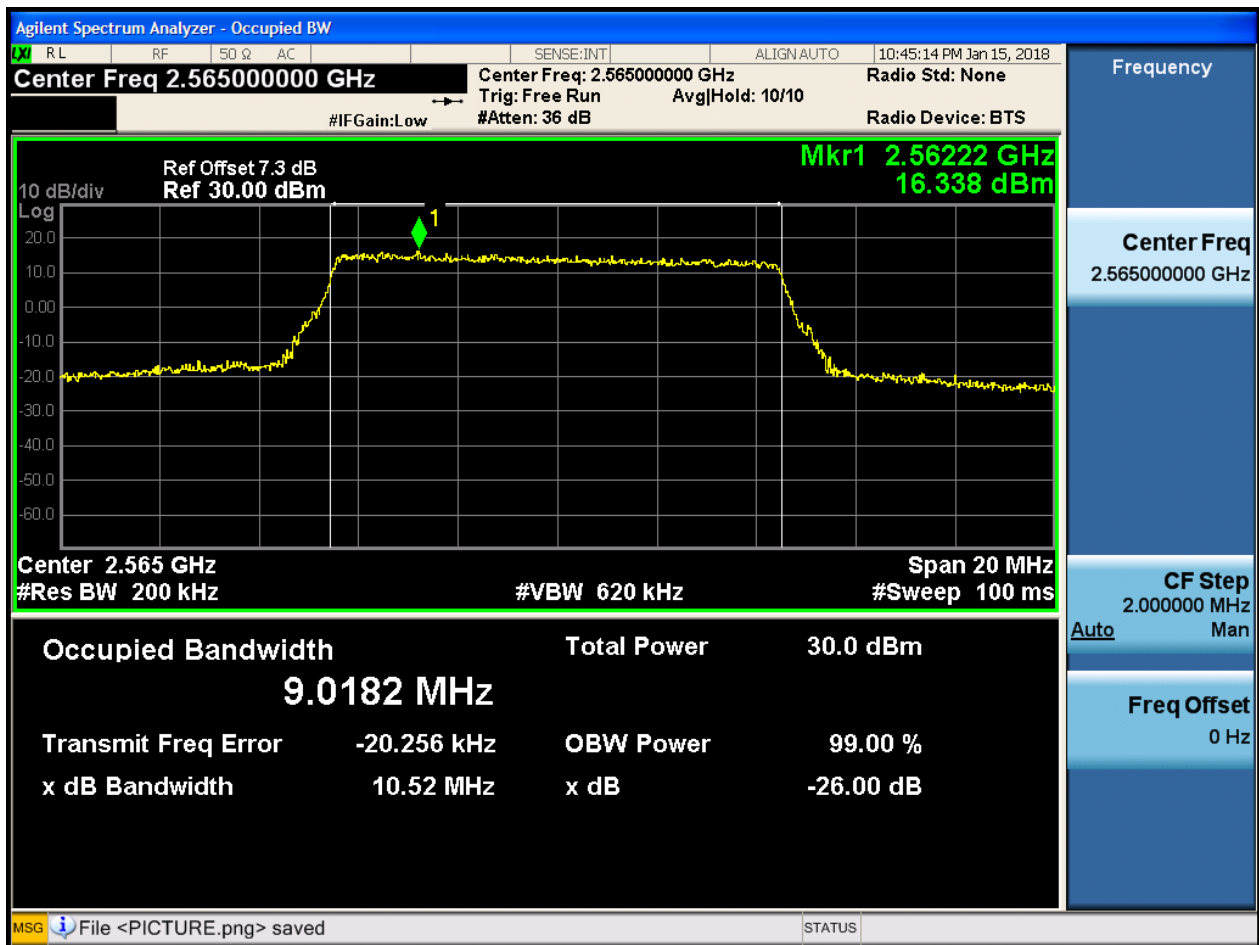
## 4.1.1.2.2.2.1 Test RB = RB50#0





## 4.1.1.2.2.3 Test Channel = HCH

## 4.1.1.2.2.3.1 Test RB = RB50#0

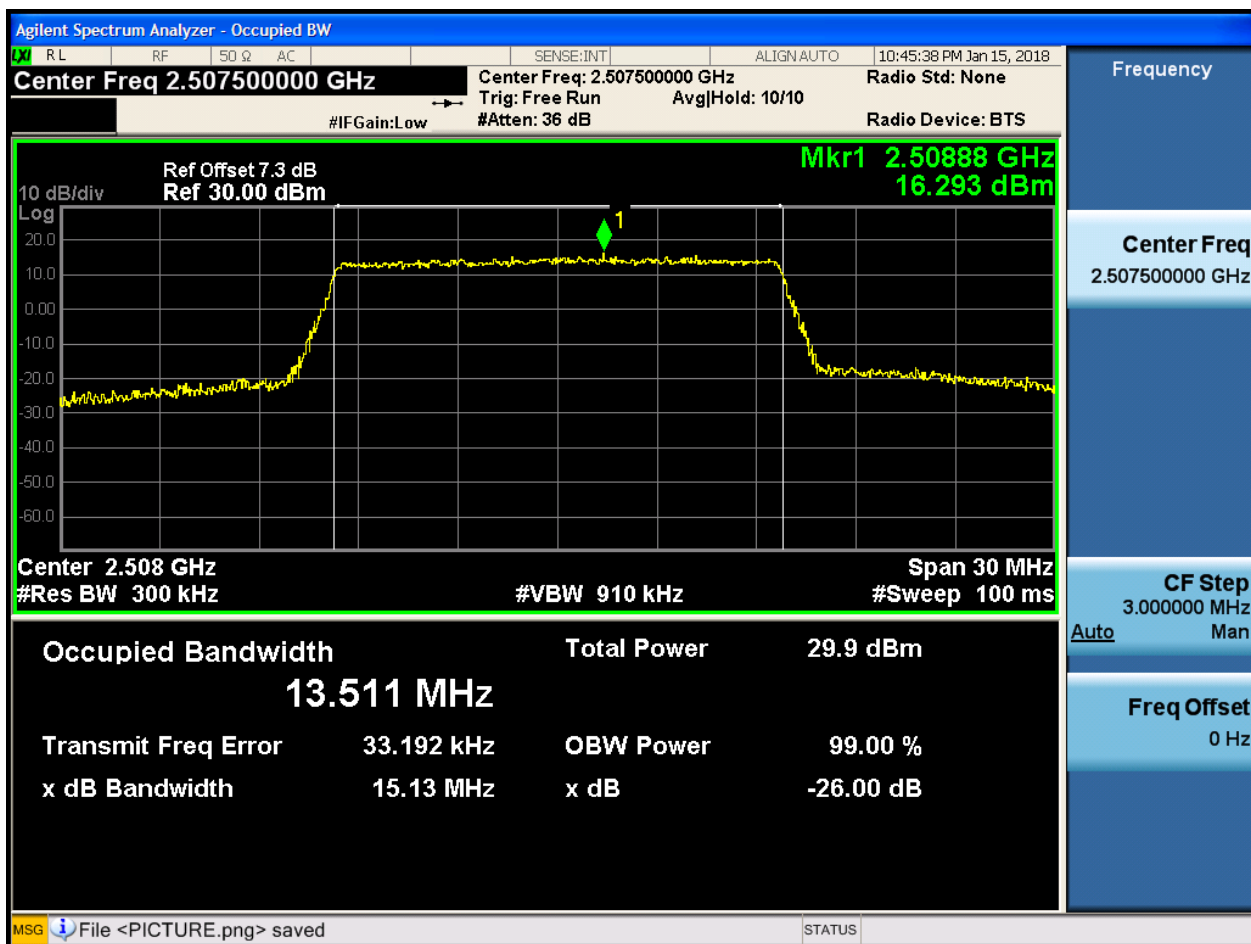




## 4.1.1.2.3 Test Bandwidth = 15

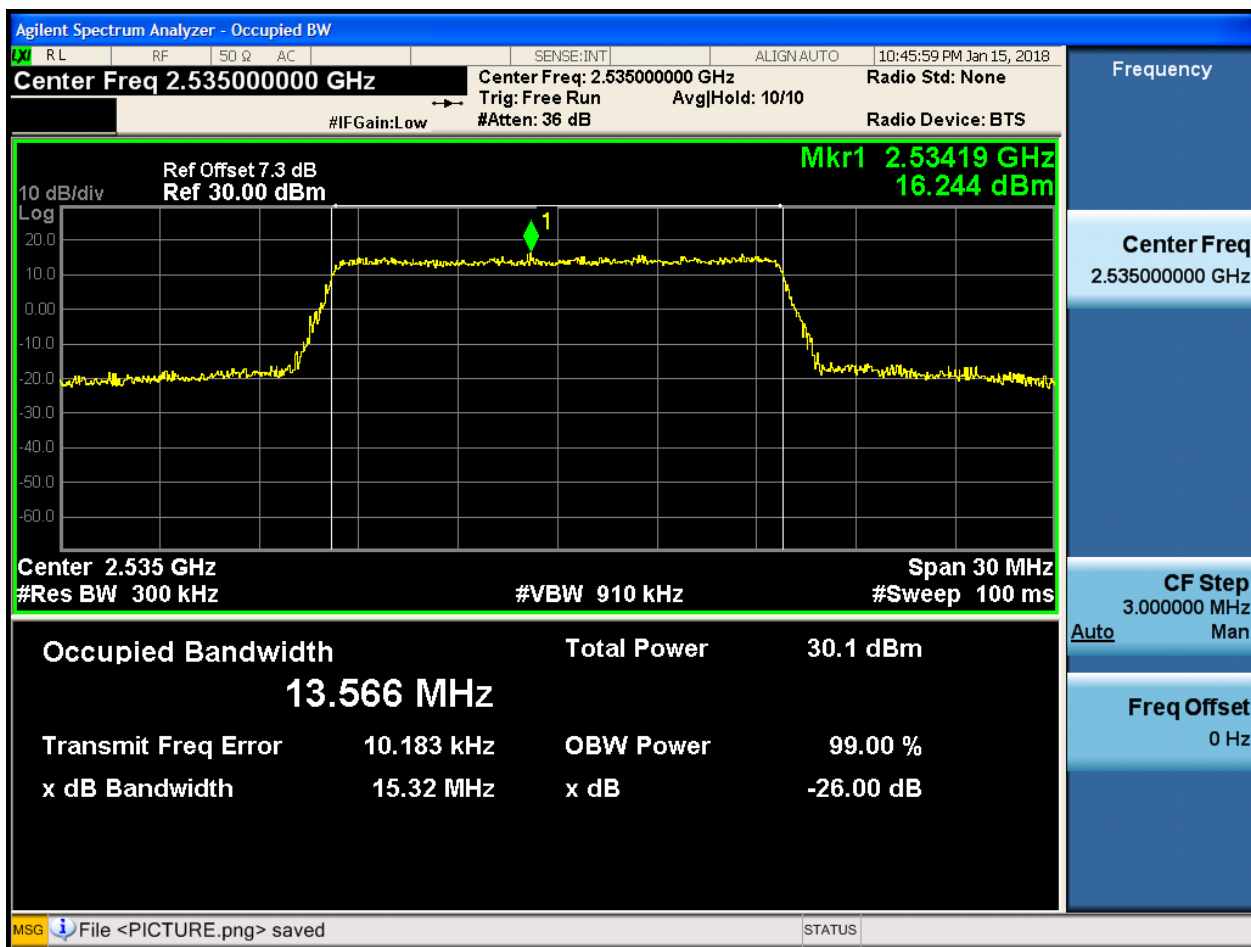
## 4.1.1.2.3.1 Test Channel = LCH

## 4.1.1.2.3.1.1 Test RB = RB75#0



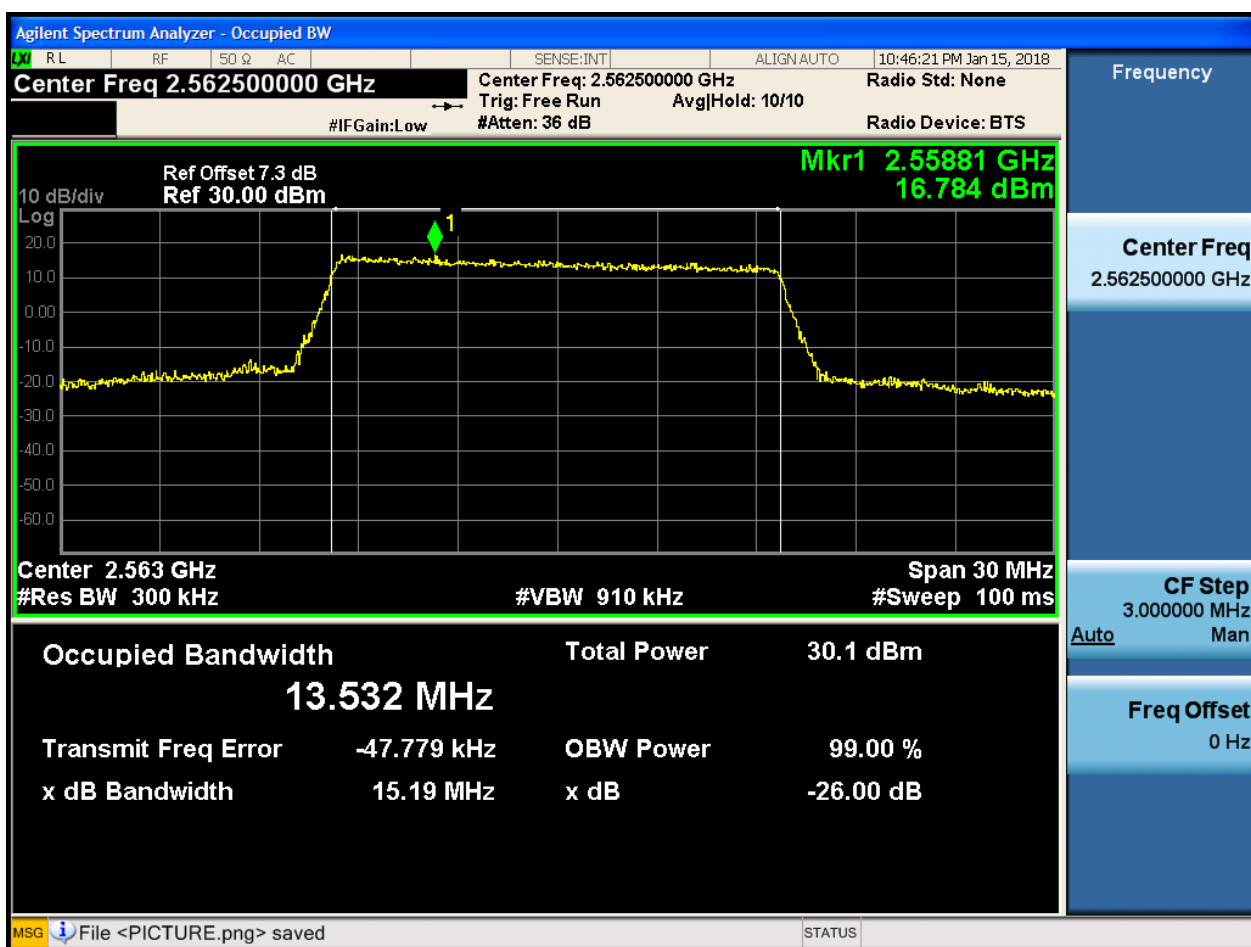
#### 4.1.1.2.3.2 Test Channel = MCH

##### 4.1.1.2.3.2.1 Test RB = RB75#0



#### 4.1.1.2.3.3 Test Channel = HCH

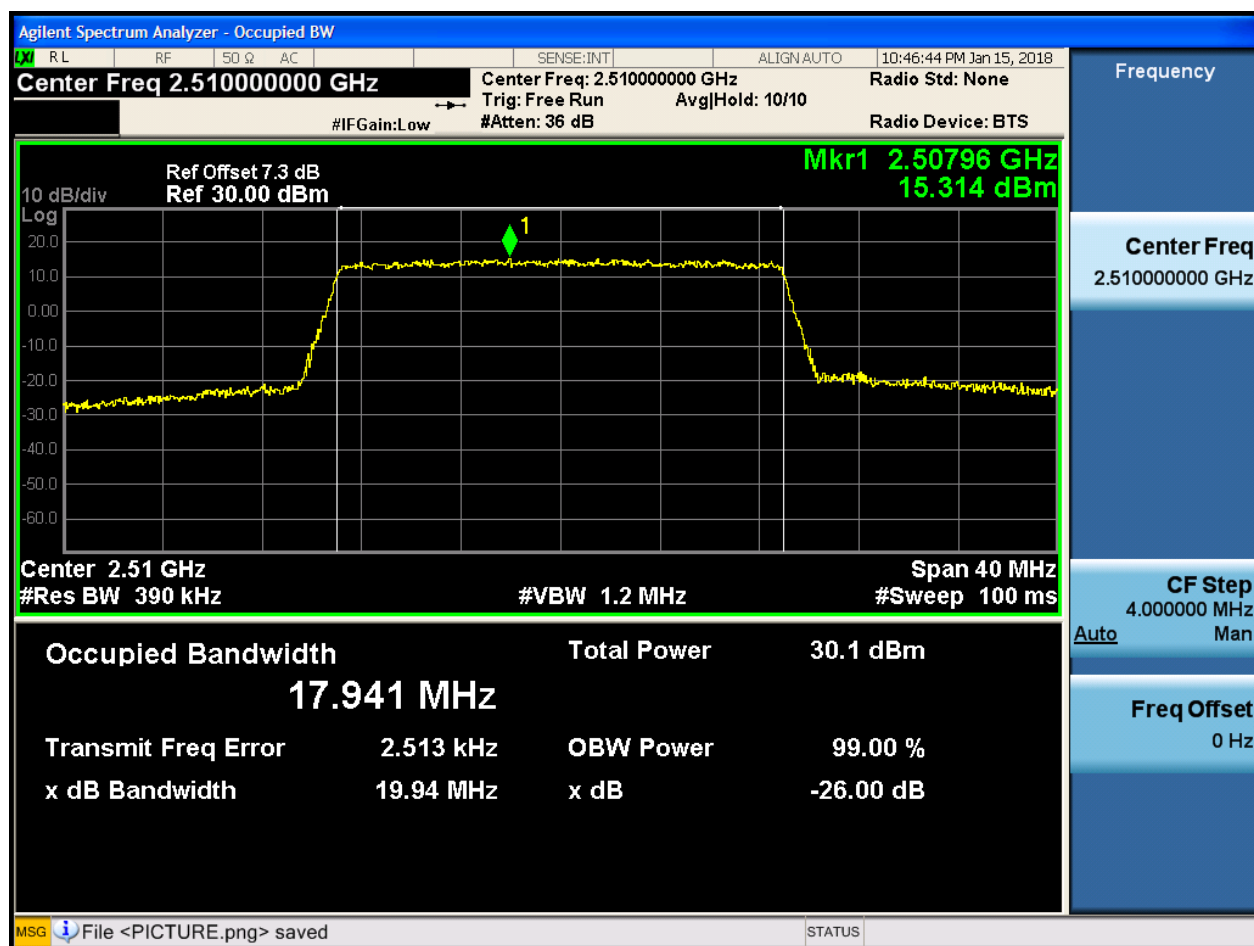
##### 4.1.1.2.3.3.1 Test RB = RB75#0



#### 4.1.1.2.4 Test Bandwidth = 20

##### 4.1.1.2.4.1 Test Channel = LCH

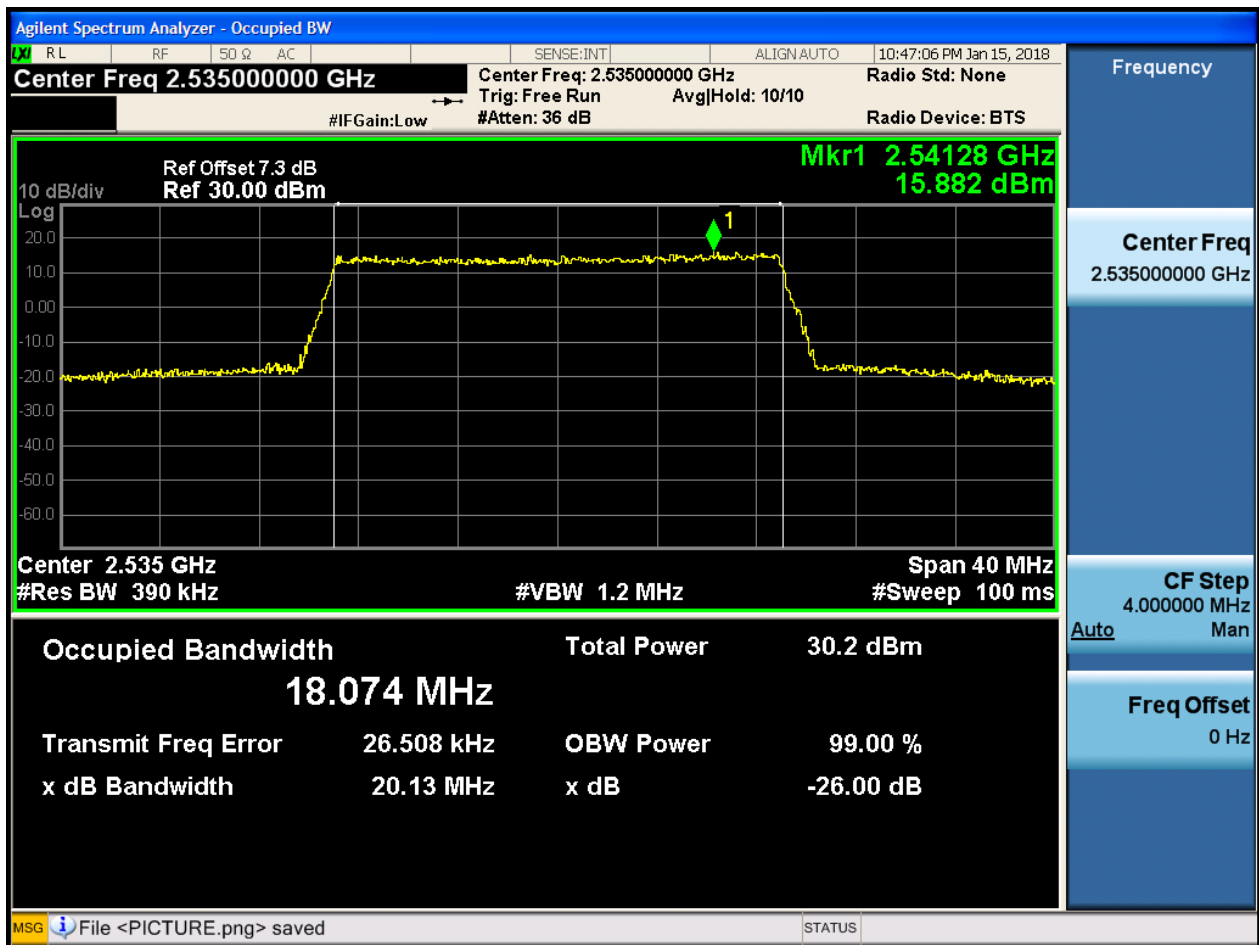
##### 4.1.1.2.4.1.1 Test RB = RB100#0





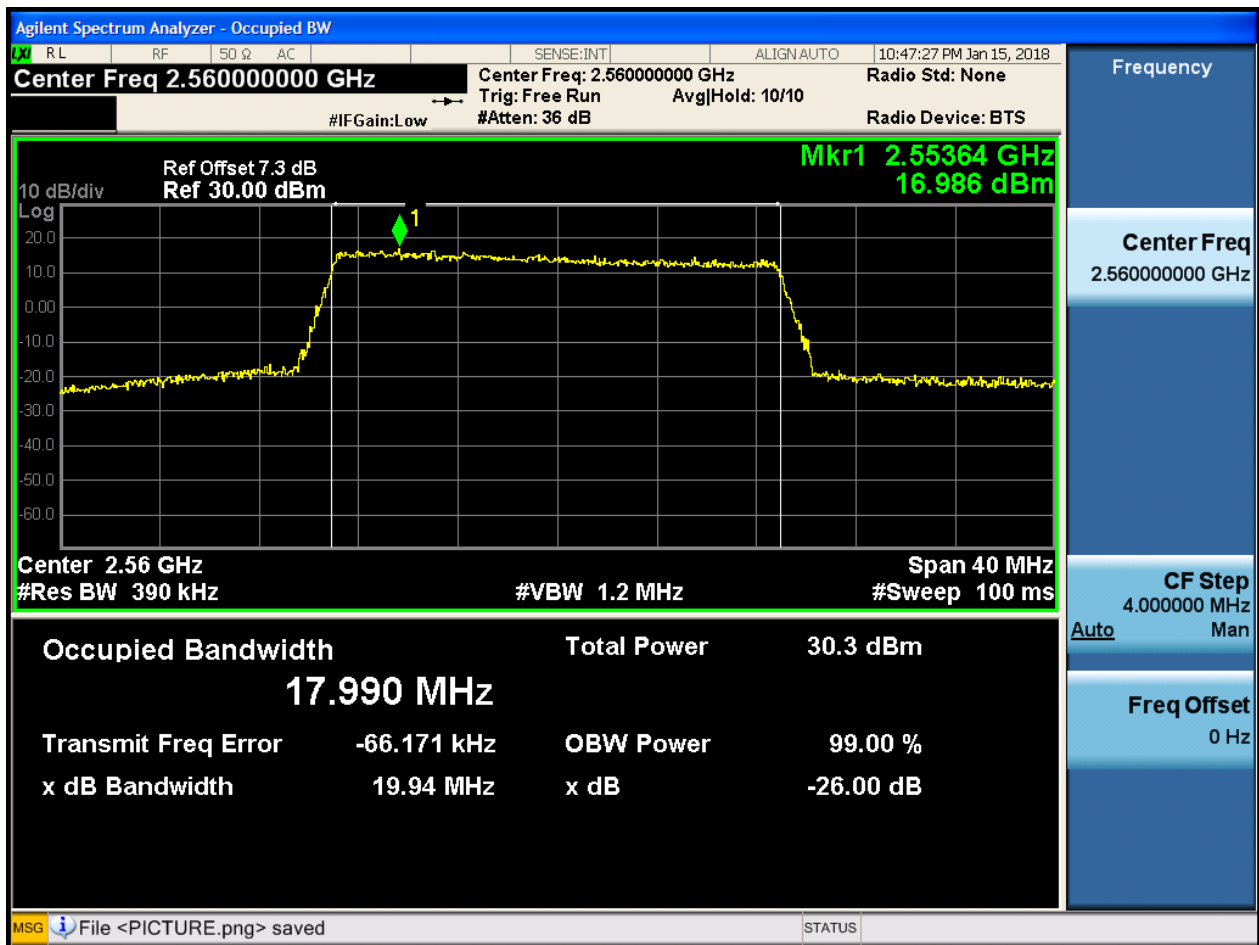
## 4.1.1.2.4.2 Test Channel = MCH

## 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

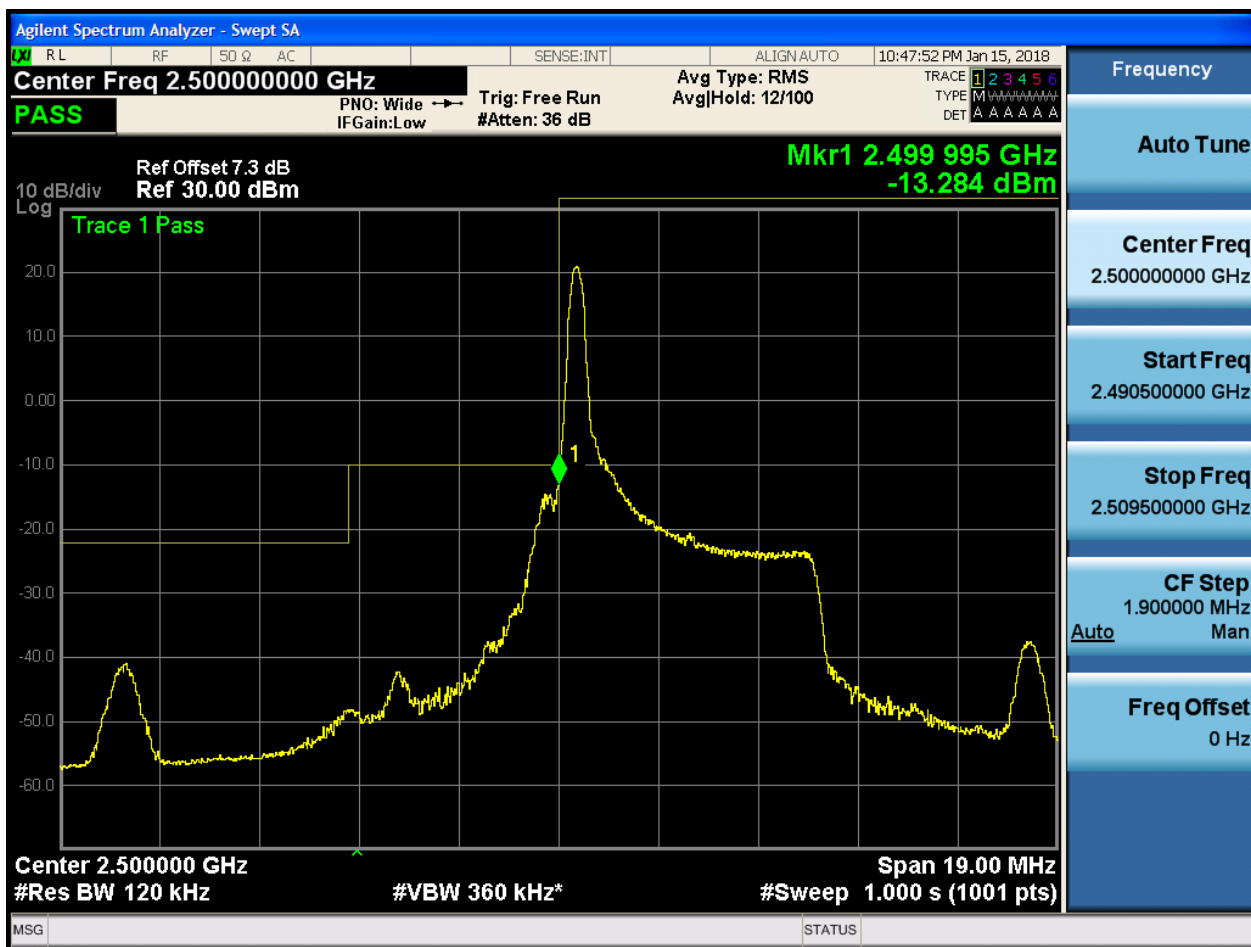
##### 5.1.1 Test Band = BAND7

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

##### 5.1.1.1.1 Test Bandwidth = 5

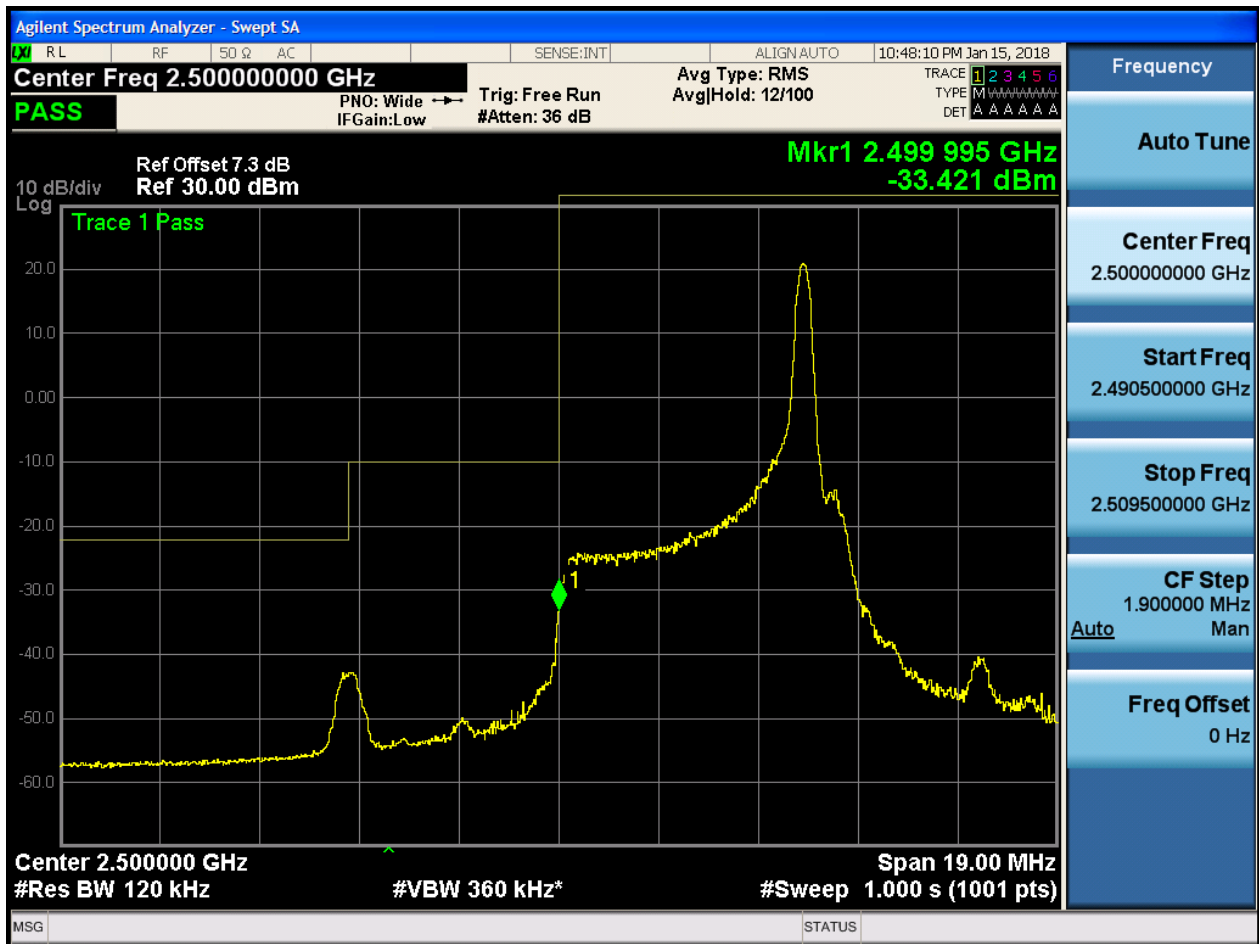
##### 5.1.1.1.1.1 Test Channel = LCH

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





## 5.1.1.1.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 10:48:29 PM Jan 15, 2018

Center Freq 2.500000000 GHz Avg Type: RMS  
PASS PNO: Wide Trig: Free Run  
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6  
TYPE M M M M M M M M  
DET A A A A A A

Ref Offset 7.3 dB  
Ref 30.00 dBm

Mkr1 2.499 995 GHz  
-30.364 dBm

10 dB/div  
Log

Trace 1 Pass

Center 2.500000 GHz  
#Res BW 120 kHz #VBW 360 kHz\* Span 19.00 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq  
2.500000000 GHz

Start Freq  
2.490500000 GHz

Stop Freq  
2.509500000 GHz

CF Step  
1.900000 MHz  
Auto Man

Freq Offset  
0 Hz



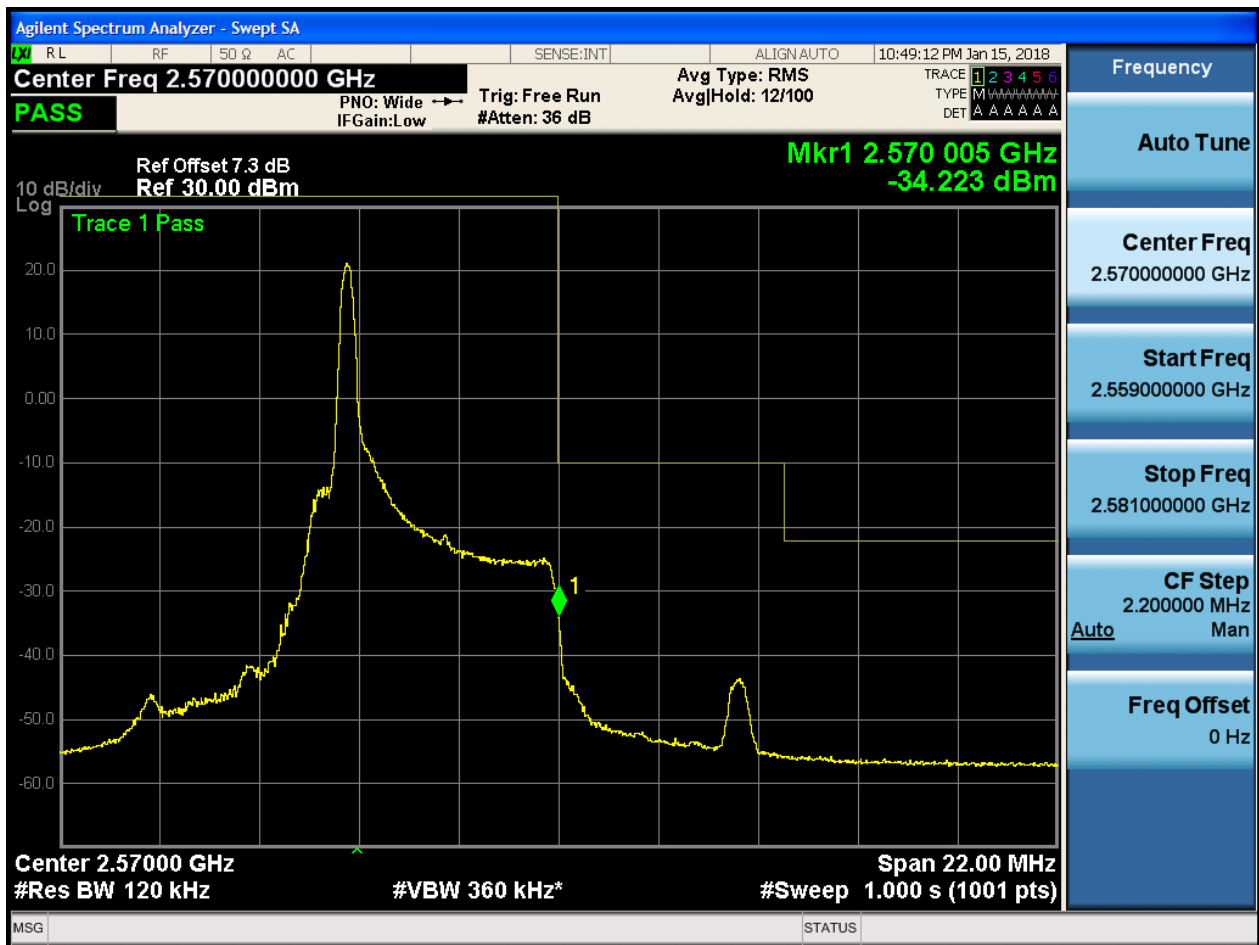
## 5.1.1.1.1.4 Test RB = RB25#0





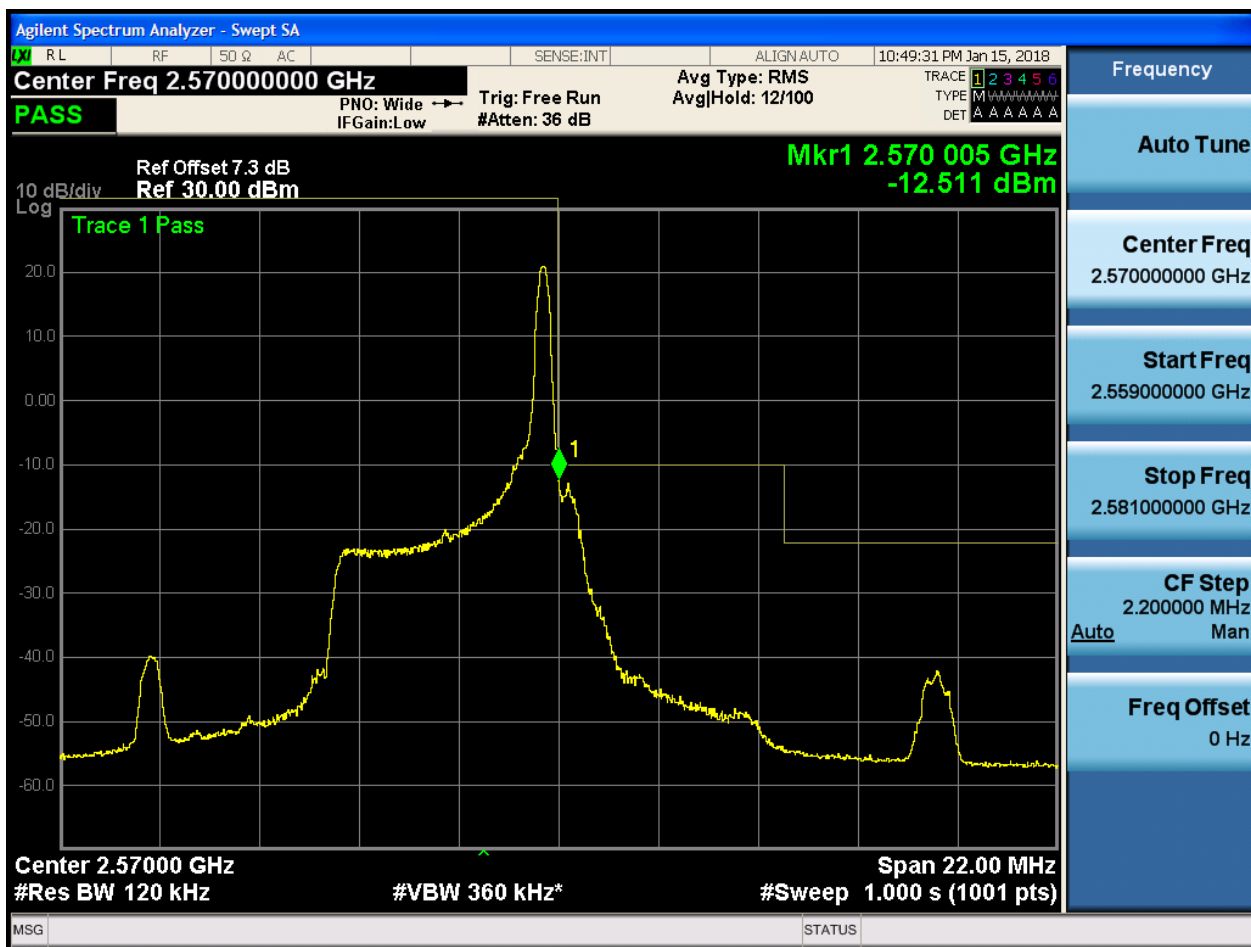
## 5.1.1.1.1.2 Test Channel = HCH

## 5.1.1.1.1.2.1 Test RB = RB1#0



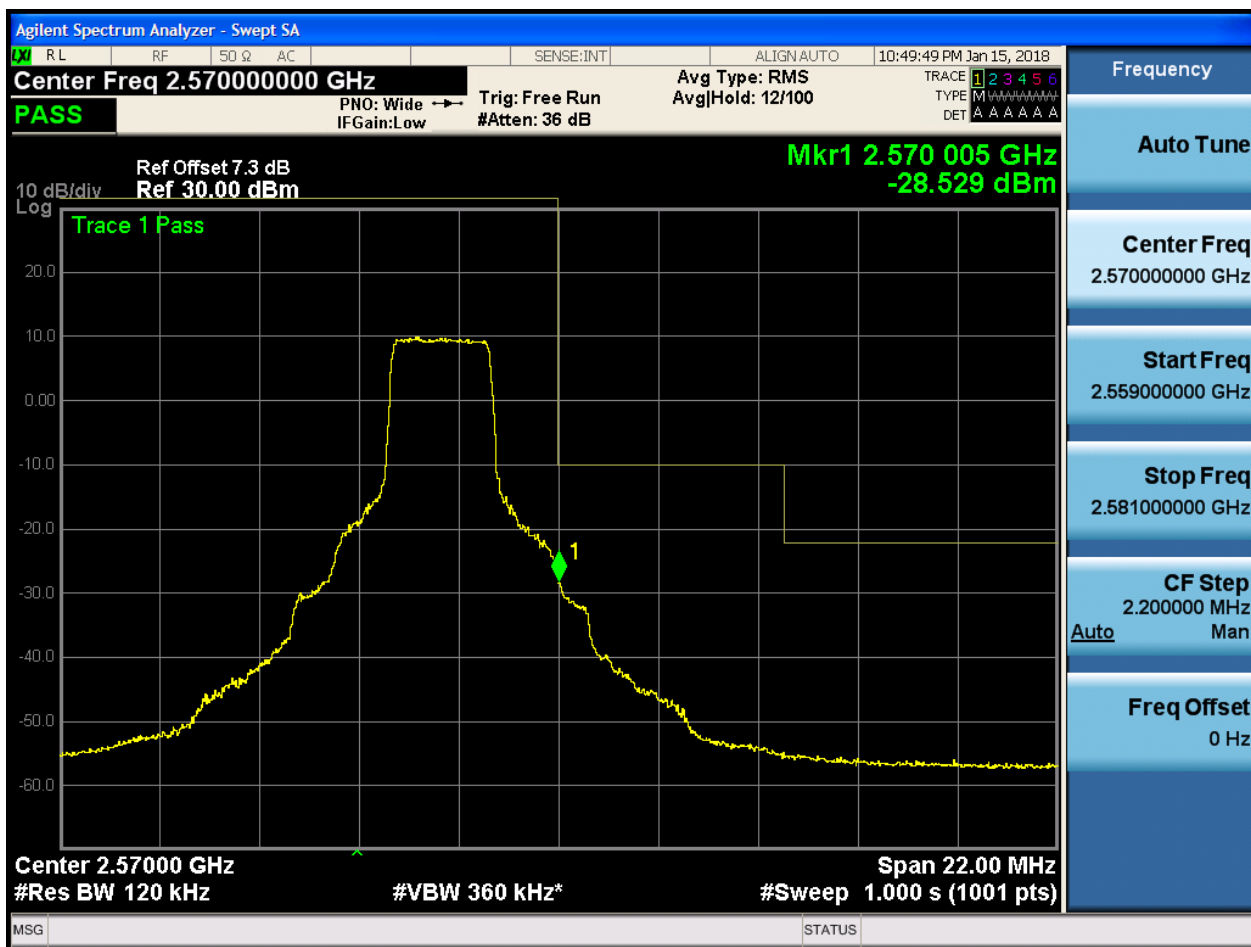


## 5.1.1.1.2.2 Test RB = RB1#24





## 5.1.1.1.2.3 Test RB = RB12#6





## 5.1.1.1.2.4 Test RB = RB25#0

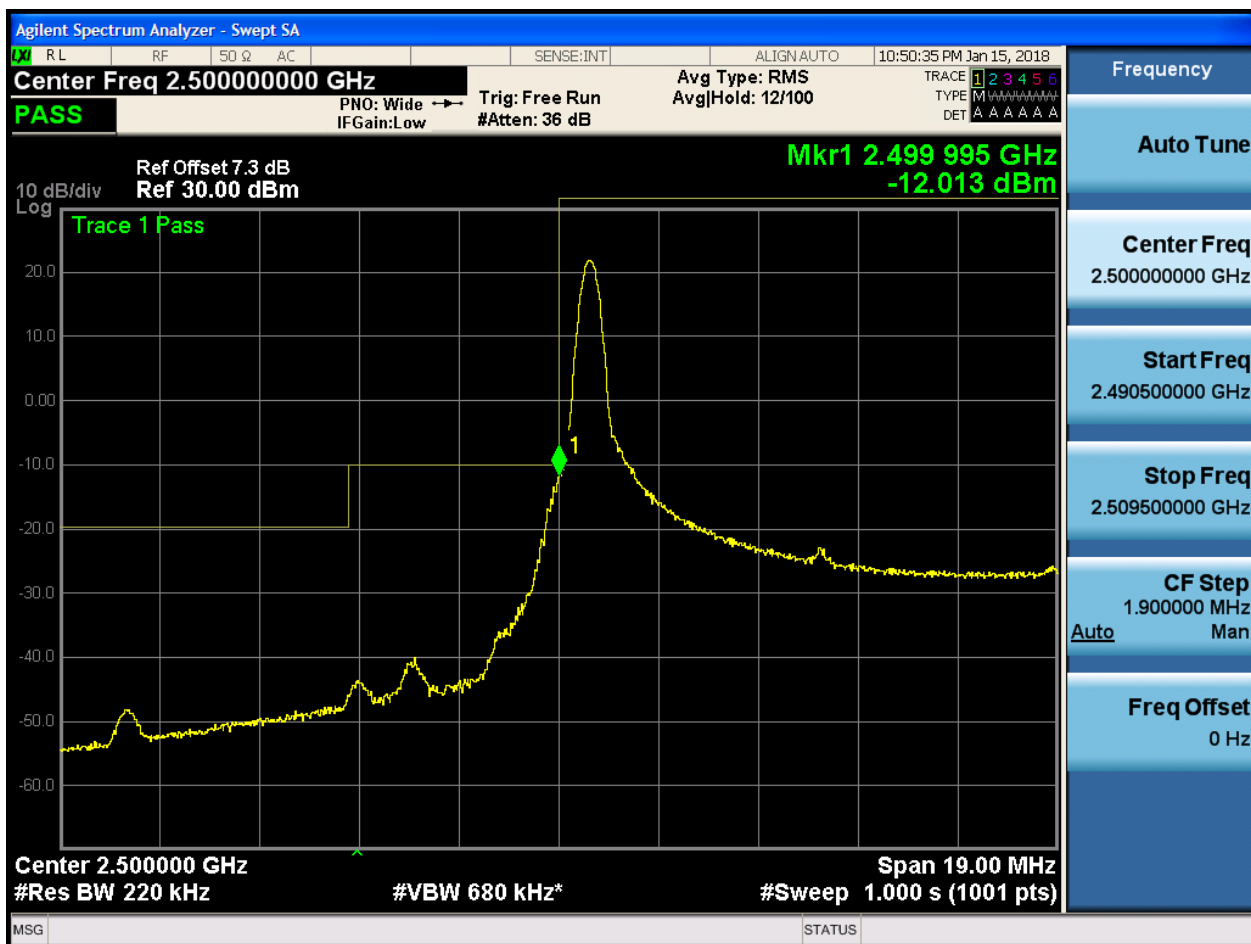




## 5.1.1.1.2 Test Bandwidth = 10

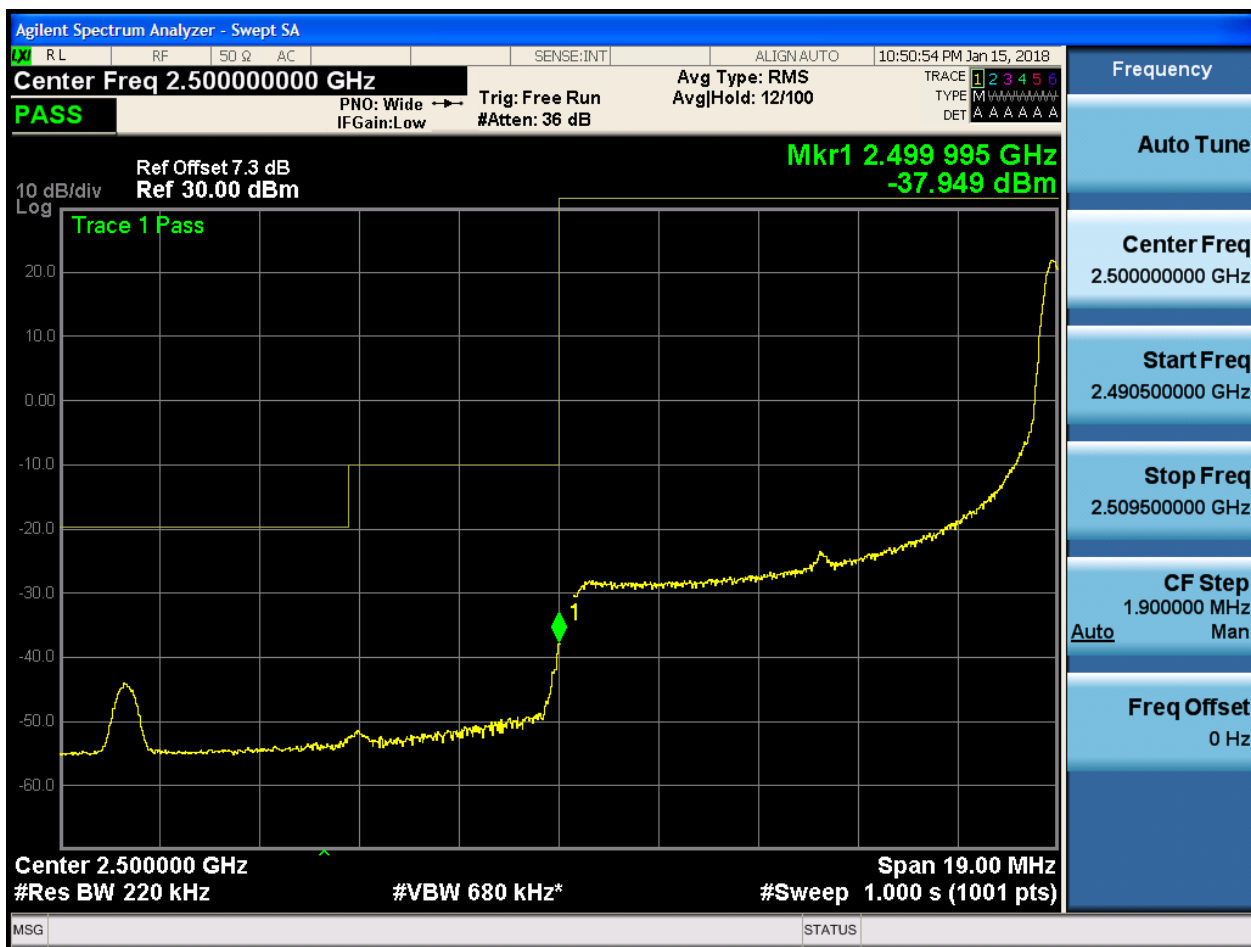
## 5.1.1.1.2.1 Test Channel = LCH

## 5.1.1.1.2.1.1 Test RB = RB1#0





## 5.1.1.1.2.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 10:51:13 PM Jan 15, 2018

Center Freq 2.500000000 GHz Avg Type: RMS  
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100  
PASS #Atten: 36 dB

TRACE 1 2 3 4 5 6  
TYPE M M M M M M M M  
DET A A A A A A

Ref Offset 7.3 dB  
Ref 30.00 dBm

Mkr1 2.499 995 GHz  
-34.521 dBm

10 dB/div  
Log

Trace 1 Pass

Center 2.500000 GHz Span 19.00 MHz  
#Res BW 220 kHz #VBW 680 kHz\* #Sweep 1.000 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 10:51:32 PM Jan 15, 2018

Center Freq 2.500000000 GHz Avg Type: RMS  
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100  
#Atten: 36 dB

TRACE 1 2 3 4 5 6  
TYPE M W W W W W W W  
DET A A A A A A

Ref Offset 7.3 dB  
Ref 30.00 dBm

Mkr1 2.499 995 GHz  
-27.056 dBm

10 dB/div  
Log

Trace 1 Pass

Center 2.500000 GHz  
#Res BW 220 kHz  
#VBW 680 kHz\*  
Span 19.00 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq  
2.500000000 GHz

Start Freq  
2.490500000 GHz

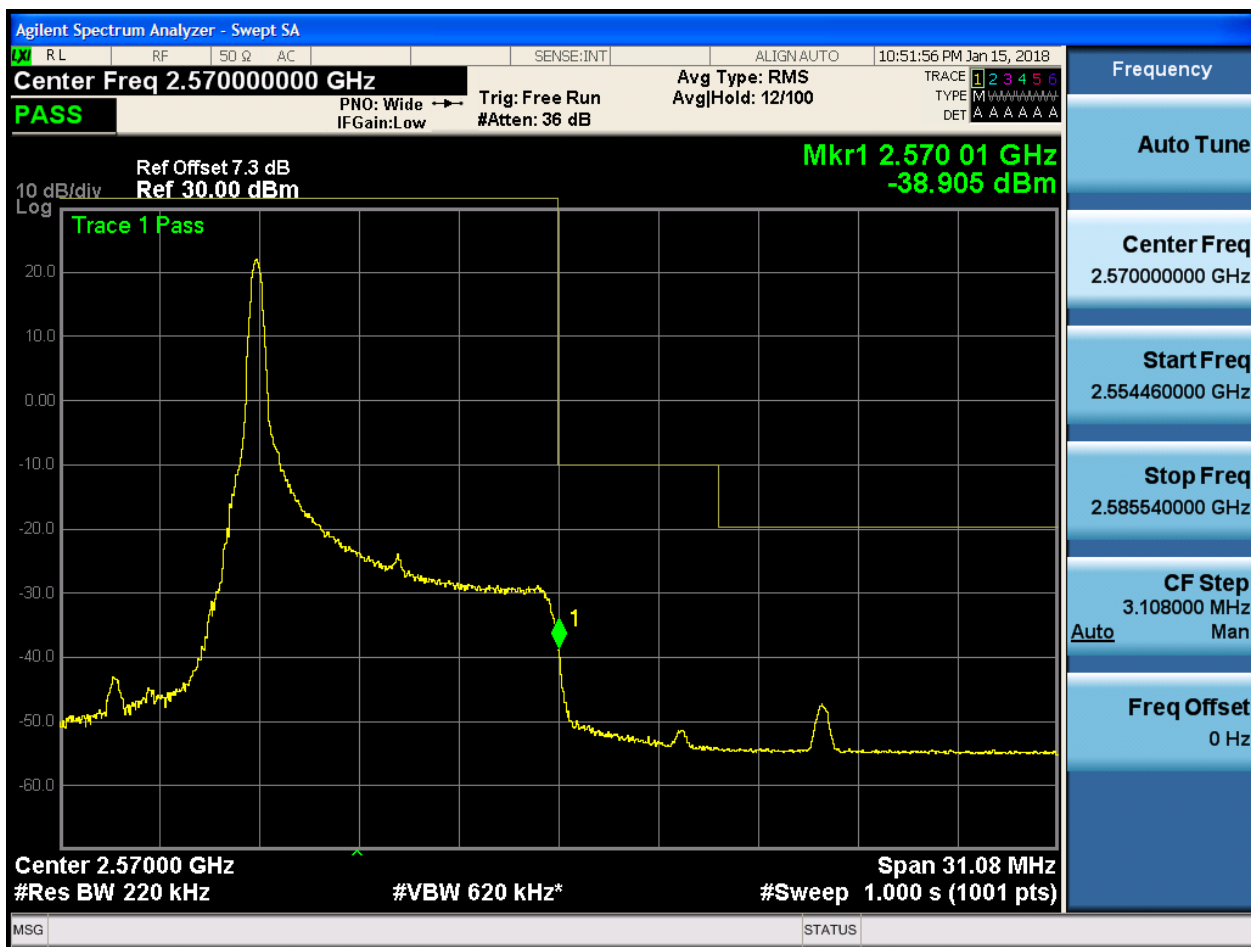
Stop Freq  
2.509500000 GHz

CF Step  
1.900000 MHz  
Auto Man

Freq Offset  
0 Hz

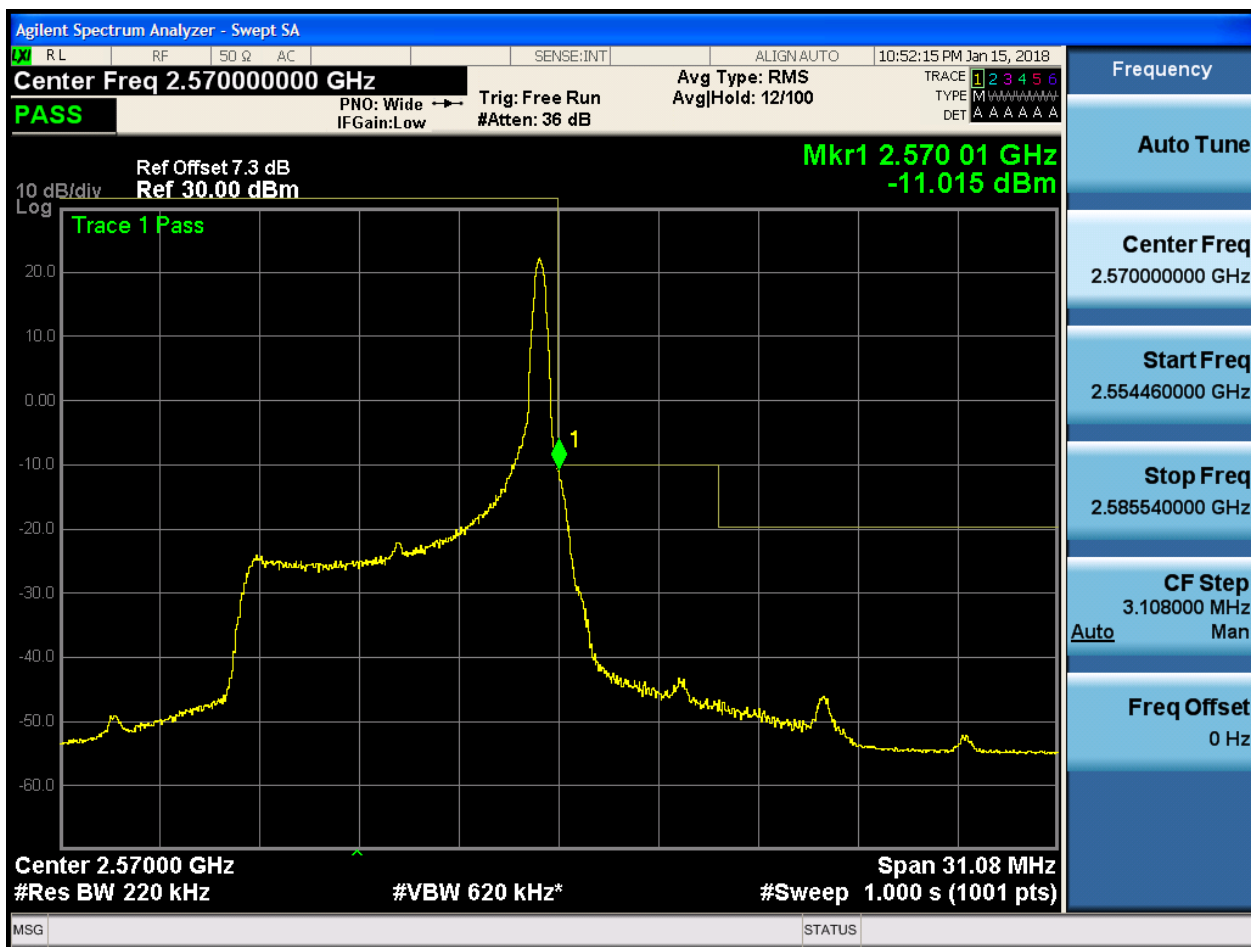
### 5.1.1.1.2.2 Test Channel = HCH

#### 5.1.1.1.2.2.1 Test RB = RB1#0





## 5.1.1.1.2.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 10:52:34 PM Jan 15, 2018

Center Freq 2.57000000 GHz Avg Type: RMS  
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100  
#Atten: 36 dB

TRACE 1 2 3 4 5 6  
TYPE M W W W W W W W  
DET A A A A A A

Ref Offset 7.3 dB  
Ref 30.00 dBm

Mkr1 2.570 01 GHz  
-30.188 dBm

10 dB/div  
Log

Trace 1 Pass

The spectrum analyzer display shows a signal trace with a peak at 2.57001 GHz. The peak is marked with a green diamond and the number 1. The trace is labeled 'Trace 1 Pass'. The frequency scale is in GHz, and the power scale is in dBm. The peak power is -30.188 dBm. The center frequency is 2.57000000 GHz. The span is 31.08 MHz. The resolution bandwidth is 220 kHz. The sweep time is 1.000 s (1001 pts). The video bandwidth is 620 kHz. The reference level is 30.00 dBm. The reference offset is 7.3 dB. The attenuation is 36 dB. The trigger is set to Free Run. The average type is RMS. The average hold is 12/100. The detector is set to A A A A A A. The trace type is M W W W W W W W. The trace number is 1. The peak is marked with a green diamond and the number 1. The trace is labeled 'Trace 1 Pass'. The frequency scale is in GHz, and the power scale is in dBm. The peak power is -30.188 dBm. The center frequency is 2.57000000 GHz. The span is 31.08 MHz. The resolution bandwidth is 220 kHz. The sweep time is 1.000 s (1001 pts). The video bandwidth is 620 kHz. The reference level is 30.00 dBm. The reference offset is 7.3 dB. The attenuation is 36 dB. The trigger is set to Free Run. The average type is RMS. The average hold is 12/100. The detector is set to A A A A A A. The trace type is M W W W W W W W. The trace number is 1.

Center 2.57000 GHz  
#Res BW 220 kHz

#VBW 620 kHz\*

Span 31.08 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq  
2.57000000 GHz

Start Freq  
2.554460000 GHz

Stop Freq  
2.585540000 GHz

CF Step  
3.108000 MHz  
Auto Man

Freq Offset  
0 Hz



## 5.1.1.1.2.2.4 Test RB = RB50#0

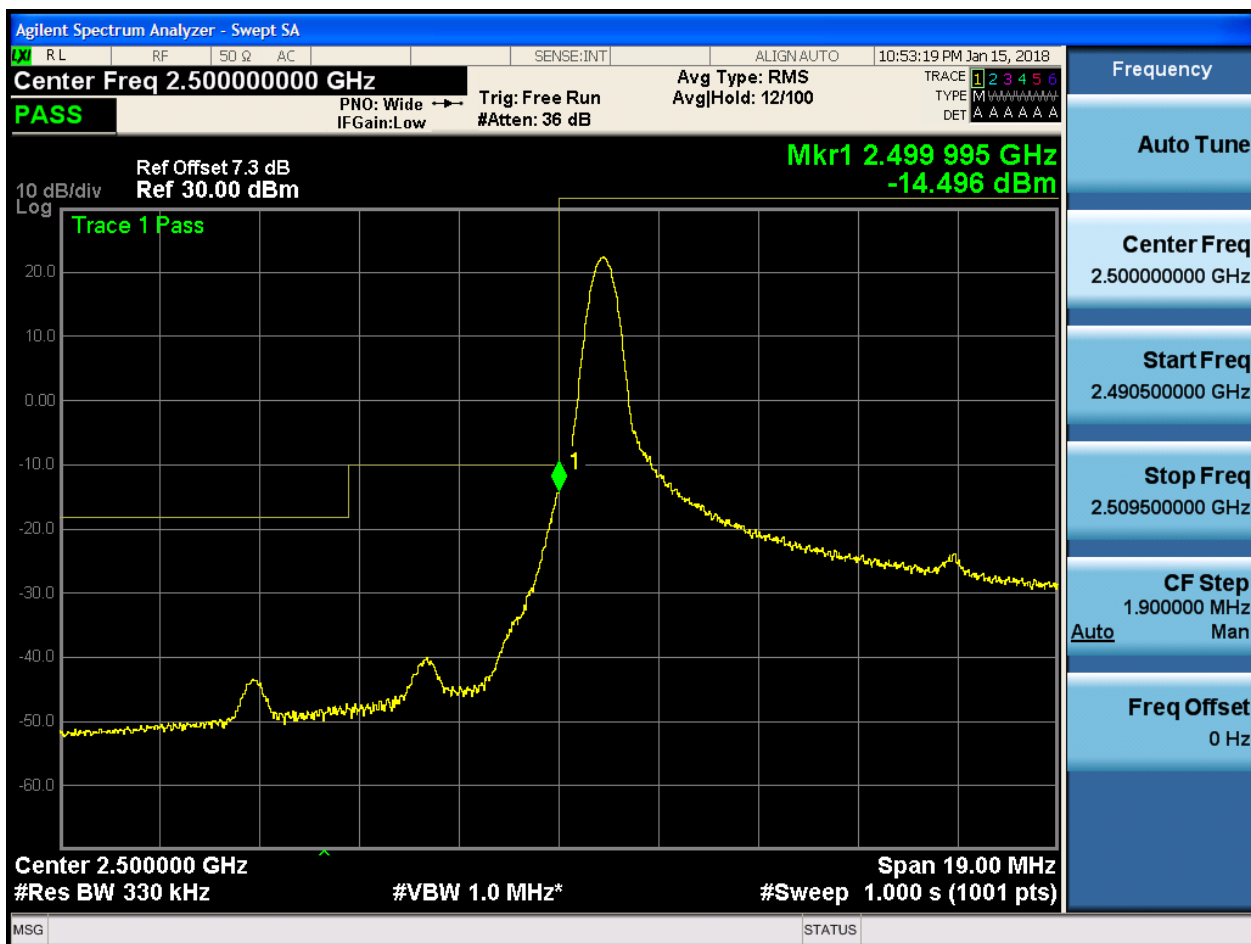




## 5.1.1.1.3 Test Bandwidth = 15

## 5.1.1.1.3.1 Test Channel = LCH

## 5.1.1.1.3.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.50000000 GHz

PASS

Ref Offset 7.3 dB  
Ref 30.00 dBm

Mkr1 2.499 995 GHz  
-40.797 dBm

10 dB/div  
Log

Trace 1 Pass

Center 2.500000 GHz  
#Res BW 330 kHz  
#VBW 1.0 MHz\*  
Span 19.00 MHz  
#Sweep 1.000 s (1001 pts)

Frequency

Auto Tune

Center Freq  
2.500000000 GHz

Start Freq  
2.490500000 GHz

Stop Freq  
2.509500000 GHz

CF Step  
1.900000 MHz  
Auto Man

Freq Offset  
0 Hz