



## 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   | 22.03         | 23.51      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.04         | 23.46      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.08         | 23.54      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.56         | 21.98      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.56         | 21.99      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.6          | 21.84      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.56         | 21.90      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.3          | 23.61      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.28         | 23.71      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.29         | 23.71      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.82         | 22.23      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.77         | 22.27      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.78         | 22.08      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 20.77         | 22.26      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.26         | 23.61      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.32         | 23.79      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.4          | 23.64      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.88         | 22.11      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.82         | 22.15      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.88         | 22.29      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.85         | 22.22      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.09         | 23.51      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.03         | 23.42      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.21         | 23.60      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.53         | 21.79      | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.59         | 22.09      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.69         | 21.91      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.56         | 22.03      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.36         | 23.74      | 33          | PASS    |
|                |           |                |              | RB1#25  | 22.21         | 23.70      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#49  | 22.43         | 23.79      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.76         | 22.23      | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.72         | 22.04      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.79         | 22.22      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.81         | 22.24      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.52         | 23.77      | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.98         | 23.41      | 33          | PASS    |
|                |           |                |              | RB1#49  | 22.57         | 23.98      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.84         | 22.24      | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.8          | 22.18      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.86         | 22.13      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.83         | 22.08      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.06         | 23.34      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.18         | 23.61      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.22         | 23.48      | 33          | PASS    |
|                |           |                |              | RB36#0  | 20.57         | 21.89      | 33          | PASS    |
|                |           |                |              | RB36#18 | 20.65         | 21.88      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB36#39 | 20.74         | 22.04      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.57         | 22.02      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.26         | 23.66      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.28         | 23.67      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.26         | 23.72      | 33          | PASS    |
|                |           |                |              | RB36#0  | 20.89         | 22.20      | 33          | PASS    |
|                |           |                |              | RB36#18 | 20.8          | 22.14      | 33          | PASS    |
|                |           |                |              | RB36#39 | 20.85         | 22.19      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.79         | 22.23      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.31         | 23.57      | 33          | PASS    |
|                |           |                |              | RB1#38  | 22.36         | 23.59      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.26         | 23.46      | 33          | PASS    |
|                |           |                |              | RB36#0  | 20.86         | 22.33      | 33          | PASS    |
|                |           |                |              | RB36#18 | 20.86         | 22.20      | 33          | PASS    |
|                |           |                |              | RB36#39 | 20.89         | 22.20      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.86         | 22.22      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.18         | 23.64      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#50  | 21.65         | 22.87      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.42         | 23.80      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.6          | 21.97      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.63         | 22.08      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.74         | 21.98      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.67         | 22.00      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.41         | 23.73      | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.86         | 23.19      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.39         | 23.78      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.8          | 22.28      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.74         | 22.06      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.88         | 22.36      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.86         | 22.25      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.37         | 23.77      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.39         | 23.70      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.42         | 23.75      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.86         | 22.36      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#25 | 20.79         | 22.20      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.89         | 22.29      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.84         | 22.25      | 33          | PASS    |
|                | LTE/TM2   | 5              | LCH          | RB1#0   | 21.33         | 22.64      | 33          | PASS    |
|                |           |                |              | RB1#13  | 21.36         | 22.63      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.38         | 22.82      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.12         | 21.45      | 33          | PASS    |
|                |           |                |              | RB12#6  | 19.86         | 21.33      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.05         | 21.33      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.04         | 21.50      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.52         | 22.84      | 33          | PASS    |
|                |           |                |              | RB1#13  | 21.46         | 22.92      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.55         | 22.79      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.28         | 21.68      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.27         | 21.52      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.3          | 21.68      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.18         | 21.50      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 21.61         | 23.05      | 33          | PASS    |
|                |           |                |              | RB1#13  | 21.62         | 22.89      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.66         | 22.99      | 33          | PASS    |
|                |           |                |              | RB12#0  | 20.28         | 21.58      | 33          | PASS    |
|                |           |                |              | RB12#6  | 20.22         | 21.53      | 33          | PASS    |
|                |           |                |              | RB12#13 | 20.36         | 21.86      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.24         | 21.67      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 21.04         | 22.34      | 33          | PASS    |
|                |           |                |              | RB1#25  | 20.48         | 21.90      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.22         | 22.71      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20            | 21.29      | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.03         | 21.40      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.12         | 21.58      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.01         | 21.23      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.35         | 22.82      | 33          | PASS    |
|                |           |                |              | RB1#25  | 20.91         | 22.21      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.37         | 22.62      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 20.26         | 21.61      | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.28         | 21.55      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.21         | 21.54      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.17         | 21.57      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.51         | 22.71      | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.32         | 22.78      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.5          | 22.82      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.27         | 21.52      | 33          | PASS    |
|                |           |                |              | RB25#13 | 20.24         | 21.73      | 33          | PASS    |
|                |           |                |              | RB25#25 | 20.28         | 21.49      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.26         | 21.64      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 21.02         | 22.44      | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.14         | 22.37      | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.23         | 22.68      | 33          | PASS    |
|                |           |                |              | RB36#0  | 20.01         | 21.26      | 33          | PASS    |
|                |           |                |              | RB36#18 | 20.09         | 21.51      | 33          | PASS    |
|                |           |                |              | RB36#39 | 20.13         | 21.48      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB75#0  | 19.99         | 21.45      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.44         | 22.71      | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.42         | 22.89      | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.49         | 22.74      | 33          | PASS    |
|                |           |                |              | RB36#0  | 20.27         | 21.62      | 33          | PASS    |
|                |           |                |              | RB36#18 | 20.28         | 21.77      | 33          | PASS    |
|                |           |                |              | RB36#39 | 20.28         | 21.49      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.24         | 21.67      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.47         | 22.79      | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.62         | 22.90      | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.58         | 22.92      | 33          | PASS    |
|                |           |                |              | RB36#0  | 20.3          | 21.60      | 33          | PASS    |
|                |           |                |              | RB36#18 | 20.32         | 21.72      | 33          | PASS    |
|                |           |                |              | RB36#39 | 20.29         | 21.77      | 33          | PASS    |
|                |           |                |              | RB75#0  | 20.25         | 21.63      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 21.33         | 22.59      | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.13         | 22.47      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#99  | 21.58         | 22.88      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.03         | 21.44      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.06         | 21.51      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.18         | 21.59      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.16         | 21.48      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.87         | 23.26      | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.21         | 22.41      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.92         | 23.14      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.25         | 21.48      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.19         | 21.41      | 33          | PASS    |
|                |           |                |              | RB50#50 | 20.25         | 21.63      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.23         | 21.72      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.72         | 23.06      | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.23         | 22.57      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.69         | 23.07      | 33          | PASS    |
|                |           |                |              | RB50#0  | 20.25         | 21.59      | 33          | PASS    |
|                |           |                |              | RB50#25 | 20.24         | 21.65      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#50 | 20.32         | 21.57      | 33          | PASS    |
|                |           |                |              | RB100#0 | 20.3          | 21.61      | 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   | 3.85         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.31         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.02         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.1          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.09         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.89         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.94         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.87         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.49         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4            | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 3.83         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.25         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.64         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 3.91         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.51         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.8          | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.8          | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.67         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.18         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.29         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.18         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#0  | 5.81         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.91         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.22         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.54         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.85         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.48         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.53         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.86         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.02         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.43         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.05         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.96         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.87         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.16         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.39         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.18         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.2          | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.95         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.27         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.28         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 3.94         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 5.43         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.03         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.55         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.73         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.28         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      | MCH          | RB1#0   | 4.35         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.61         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.26         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.89         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.18         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.13         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.12         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.79         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.67         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.05         | 13         | PASS    |
|                    | LTE/TM2   | 5                    | LCH          | RB1#0   | 4.6          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.9          | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.13         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.13         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.1          | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.45         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.48         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.41         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.39         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.49         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.62         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.62         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.32         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.94         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.02         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.05         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.23         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.7          | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.24         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.51         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#13 | 6.58         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.73         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.55         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.4          | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.4          | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.44         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.8          | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.54         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.3          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.98         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.17         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.35         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 5.04         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.64         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 6.68         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 6.67         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.99         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.24         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.43         | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 6.37         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 6.46         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 7.04         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.91         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.74         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.54         | 13         | PASS    |
|                    |           |                      |              | RB36#0  | 6.3          | 13         | PASS    |
|                    |           |                      |              | RB36#18 | 6.05         | 13         | PASS    |
|                    |           |                      |              | RB36#39 | 6.18         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.52         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.53         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#50  | 5.53         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.62         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.52         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.52         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.88         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.89         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.57         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.48         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.62         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.85         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.98         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.43         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.24         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.63         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

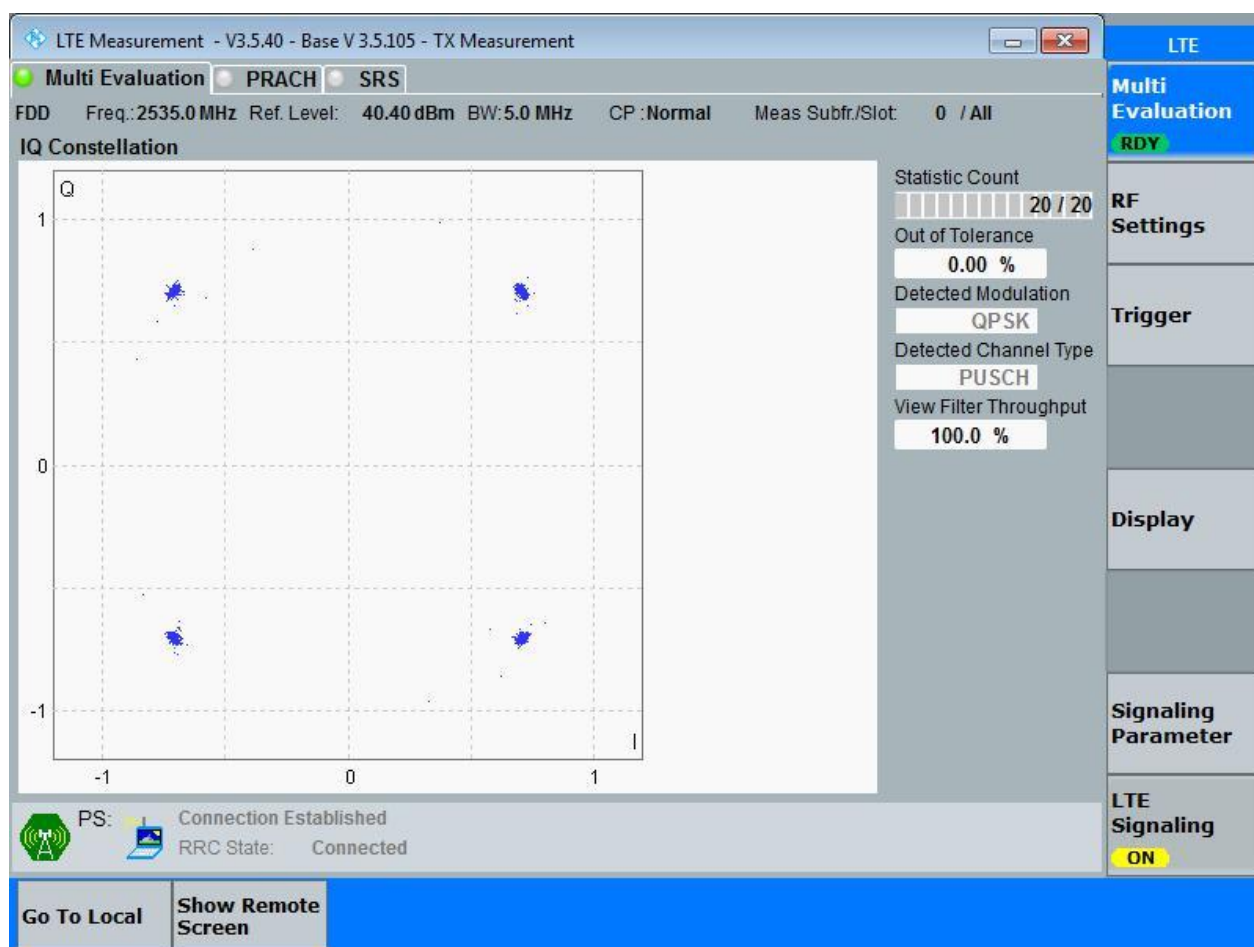
##### 3.1.1 Test Band = BAND7

##### 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

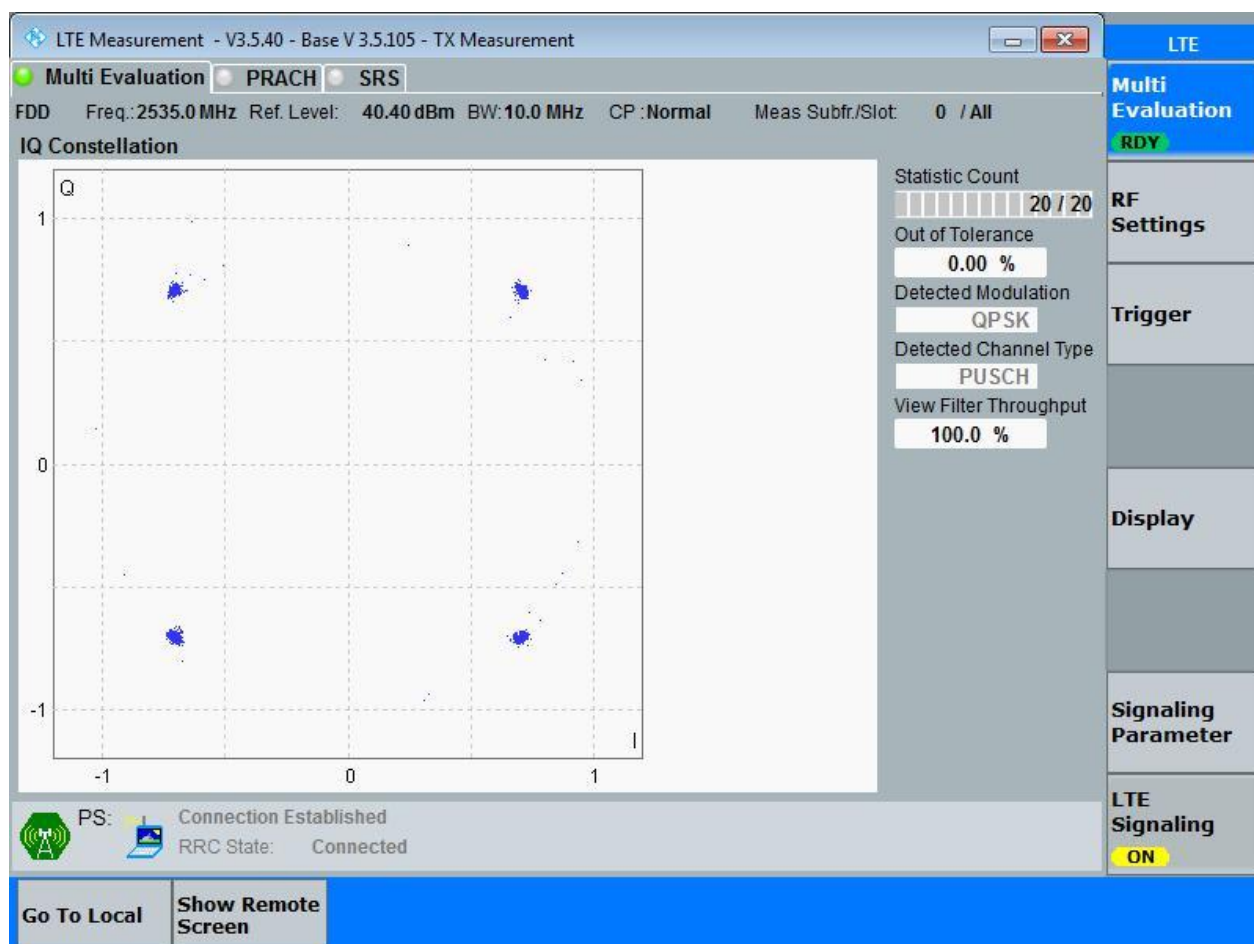
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 3.1.1.1.2 Test Bandwidth = 10

#### 3.1.1.1.2.1 Test Channel = MCH

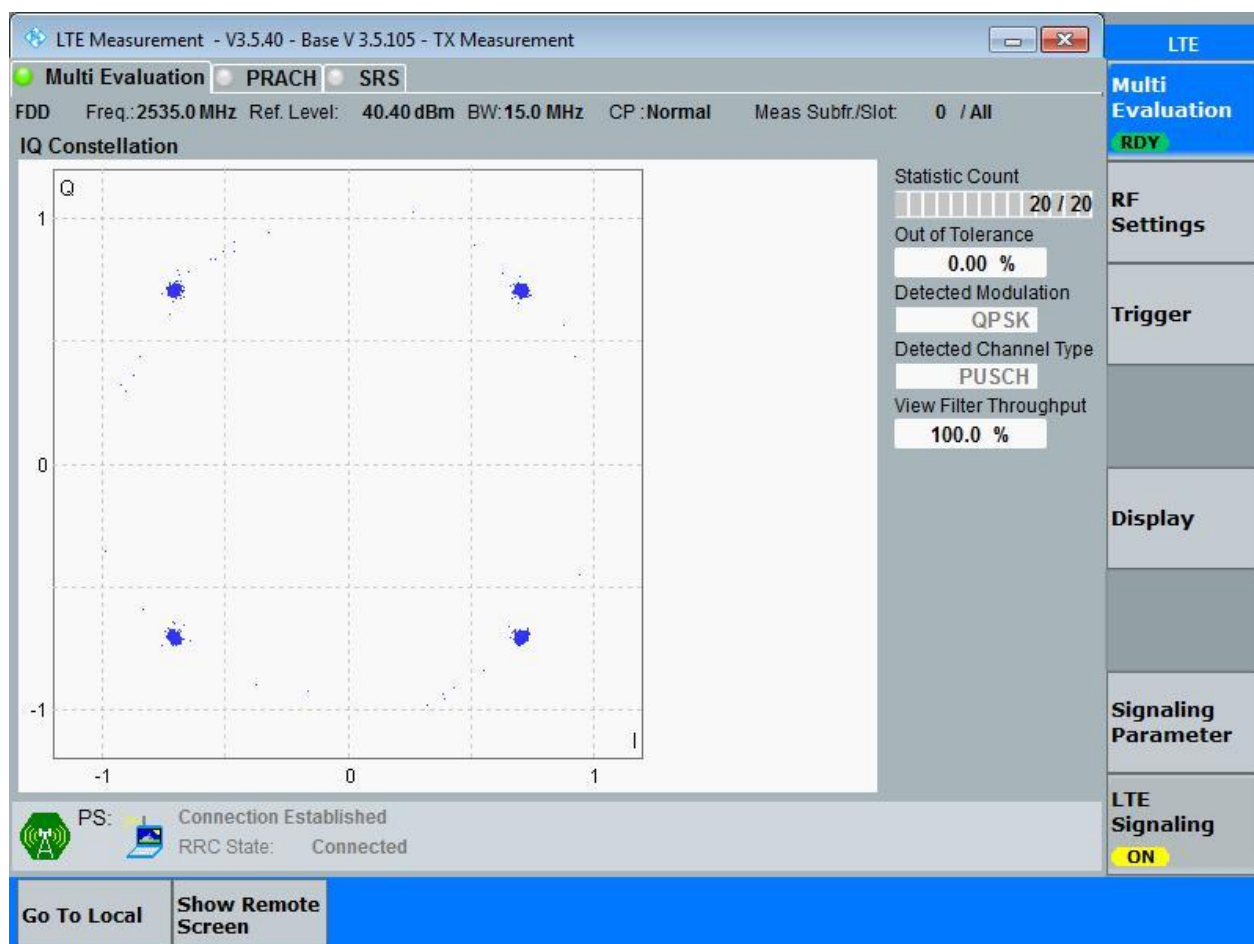
##### 3.1.1.1.2.1.1 Test RB = RB50#0



### 3.1.1.1.3 Test Bandwidth = 15

#### 3.1.1.1.3.1 Test Channel = MCH

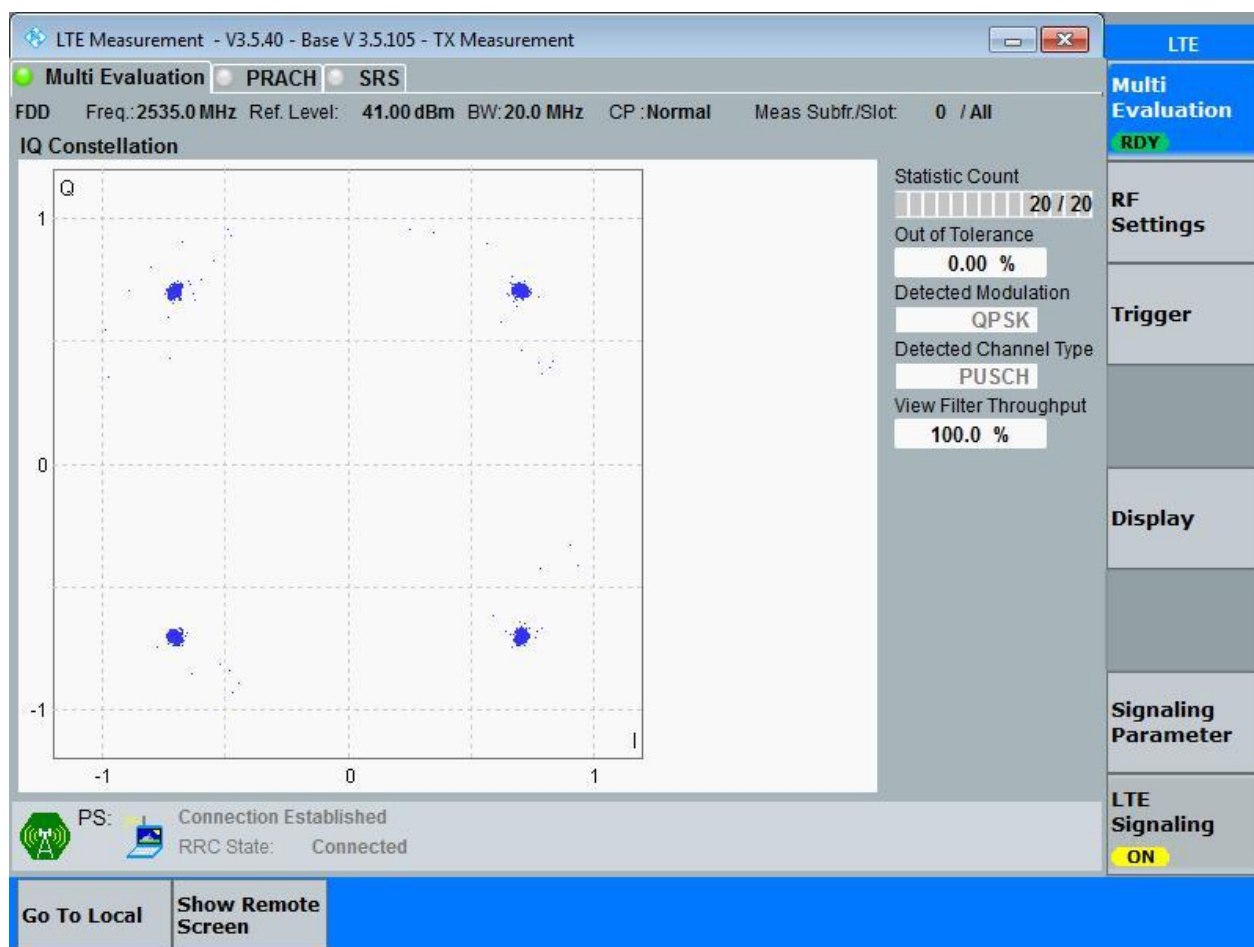
#### 3.1.1.1.3.1.1 Test RB = RB75#0



### 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

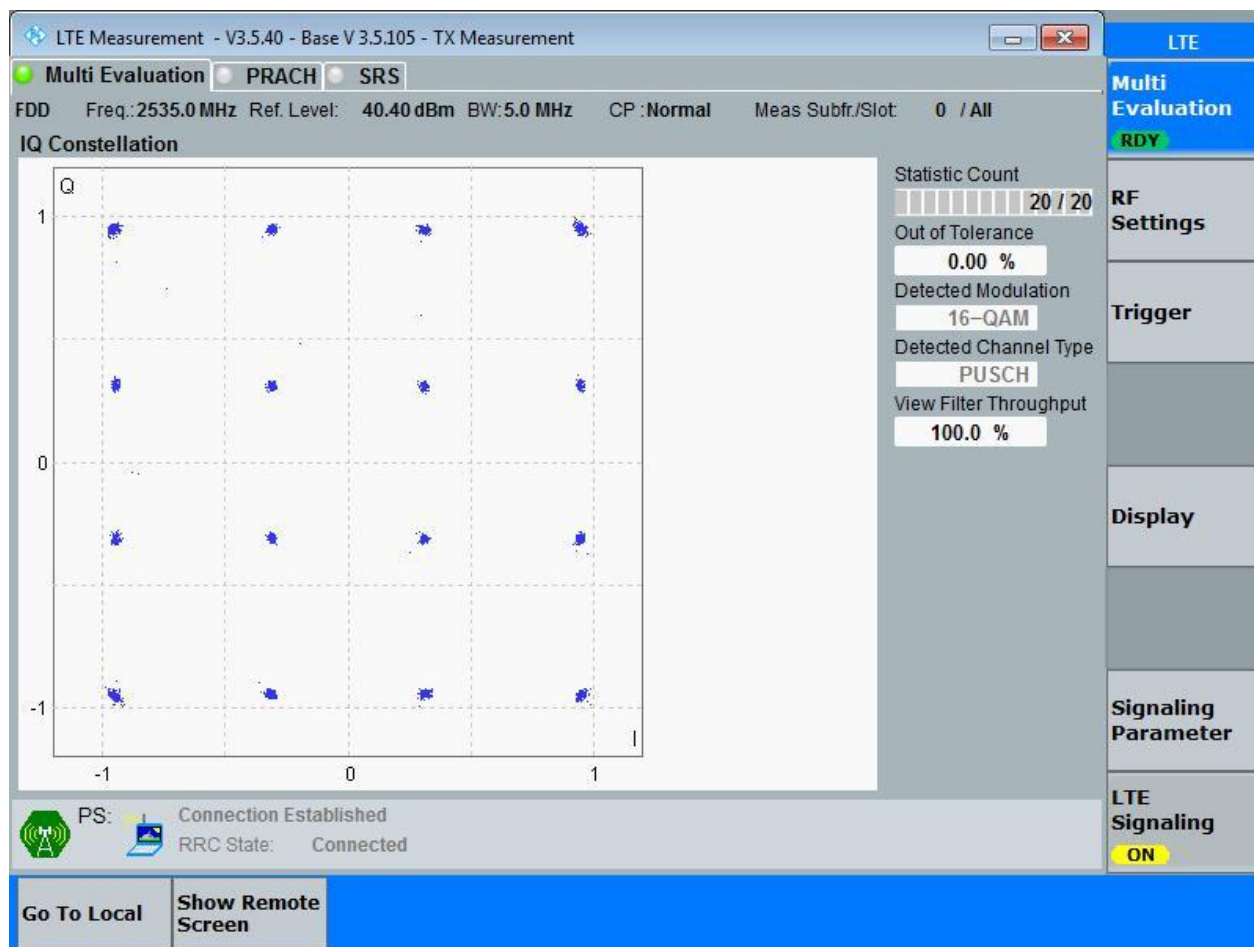


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5

##### 3.1.1.2.1.1 Test Channel = MCH

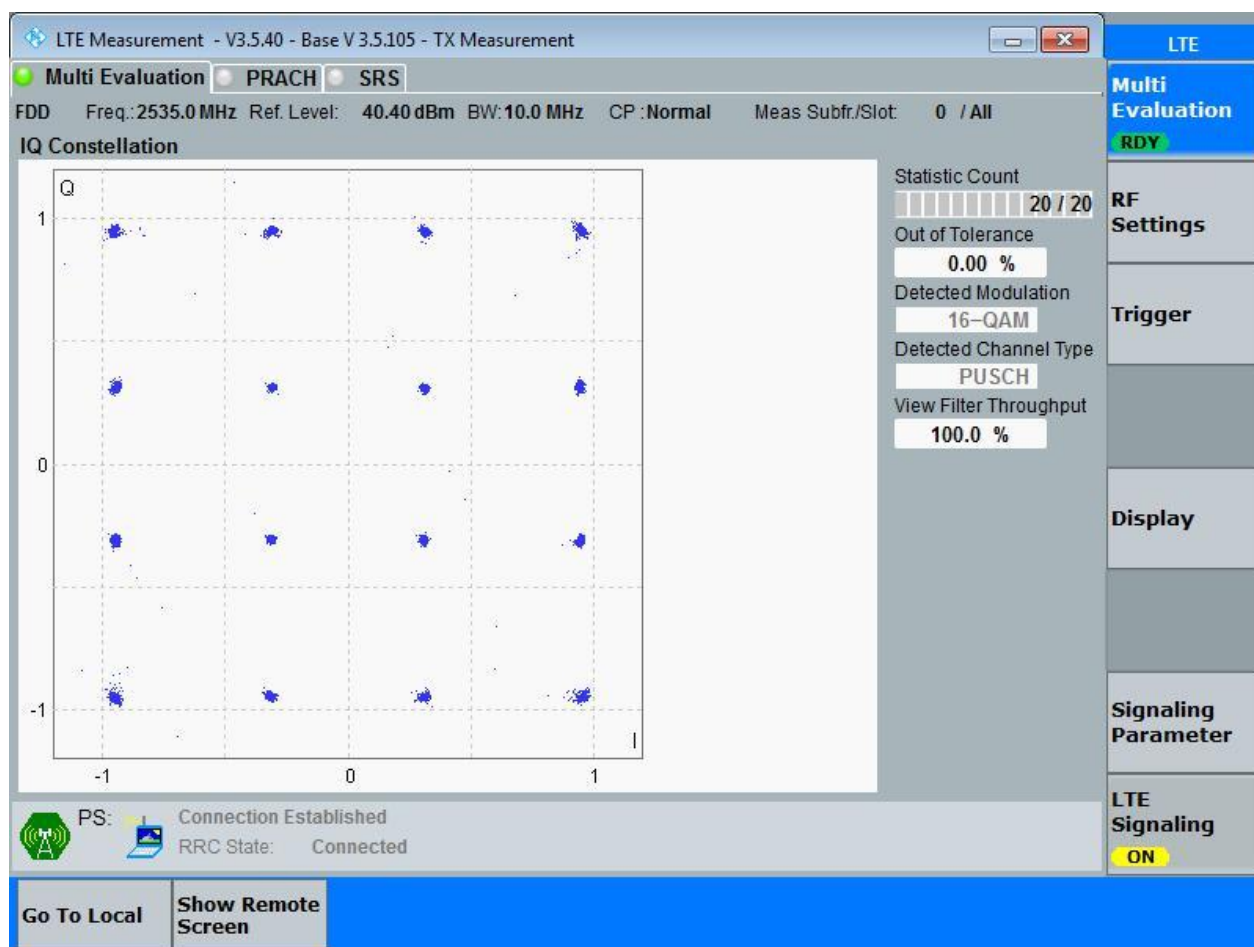
##### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.2 Test Bandwidth = 10

#### 3.1.1.2.2.1 Test Channel = MCH

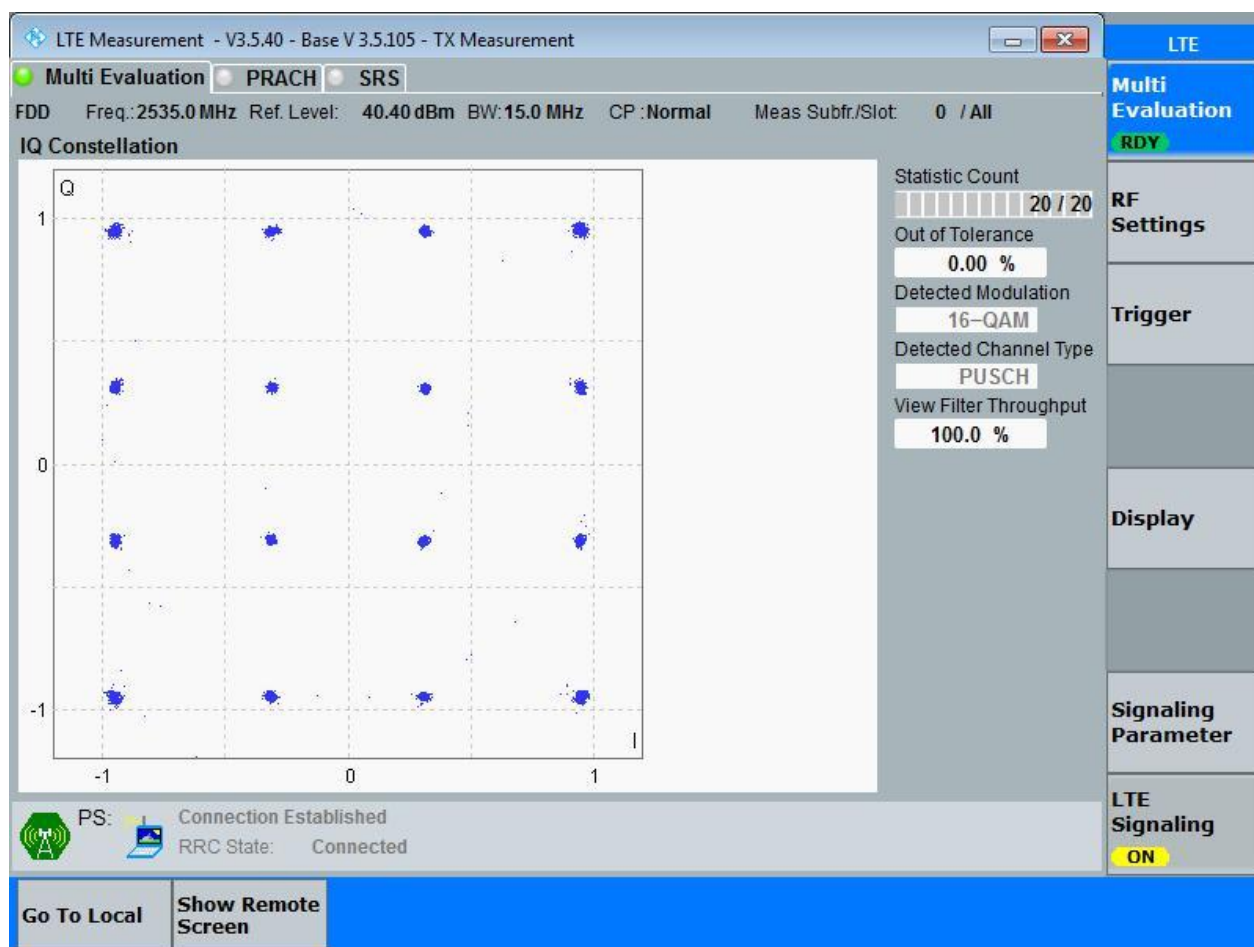
##### 3.1.1.2.2.1.1 Test RB = RB50#0



### 3.1.1.2.3 Test Bandwidth = 15

#### 3.1.1.2.3.1 Test Channel = MCH

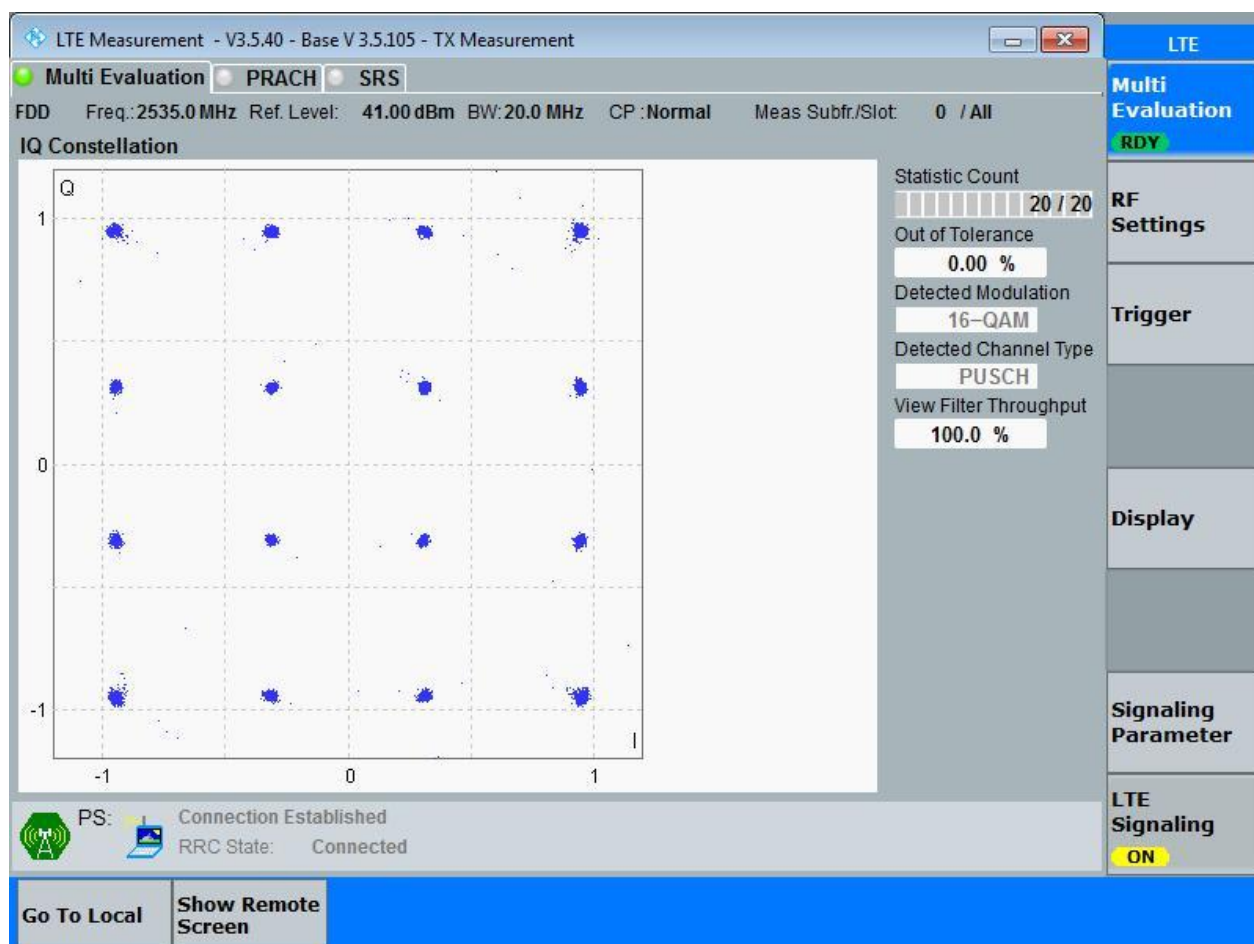
##### 3.1.1.2.3.1.1 Test RB = RB75#0



### 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  | 4.56                     | 5.96                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.53                     | 5.83                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.53                     | 5.83                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 9.04                     | 10.55                    | Pass    |
|           |           |                | MCH          | RB50#0  | 9.04                     | 10.44                    | Pass    |
|           |           |                | HCH          | RB50#0  | 9.03                     | 10.57                    | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.52                    | 15.27                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.53                    | 15.24                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.55                    | 15.34                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 18.09                    | 19.98                    | Pass    |
|           |           |                | MCH          | RB100#0 | 18.00                    | 20.04                    | Pass    |
|           |           |                | HCH          | RB100#0 | 18.07                    | 19.98                    | Pass    |
|           | LTE/TM2   | 5              | LCH          | RB25#0  | 4.55                     | 5.84                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.54                     | 5.90                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.54                     | 5.81                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 9.02                     | 10.56                    | Pass    |
|           |           |                | MCH          | RB50#0  | 9.02                     | 10.62                    | Pass    |
|           |           |                | HCH          | RB50#0  | 9.02                     | 10.57                    | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.54                    | 15.38                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.54                    | 15.31                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.54                    | 15.42                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 18.02                    | 20.21                    | Pass    |
|           |           |                | MCH          | RB100#0 | 18.02                    | 20.11                    | Pass    |
|           |           |                | HCH          | RB100#0 | 18.01                    | 19.95                    | Pass    |

## Part II - Test Plots

### 4.1 For LTE

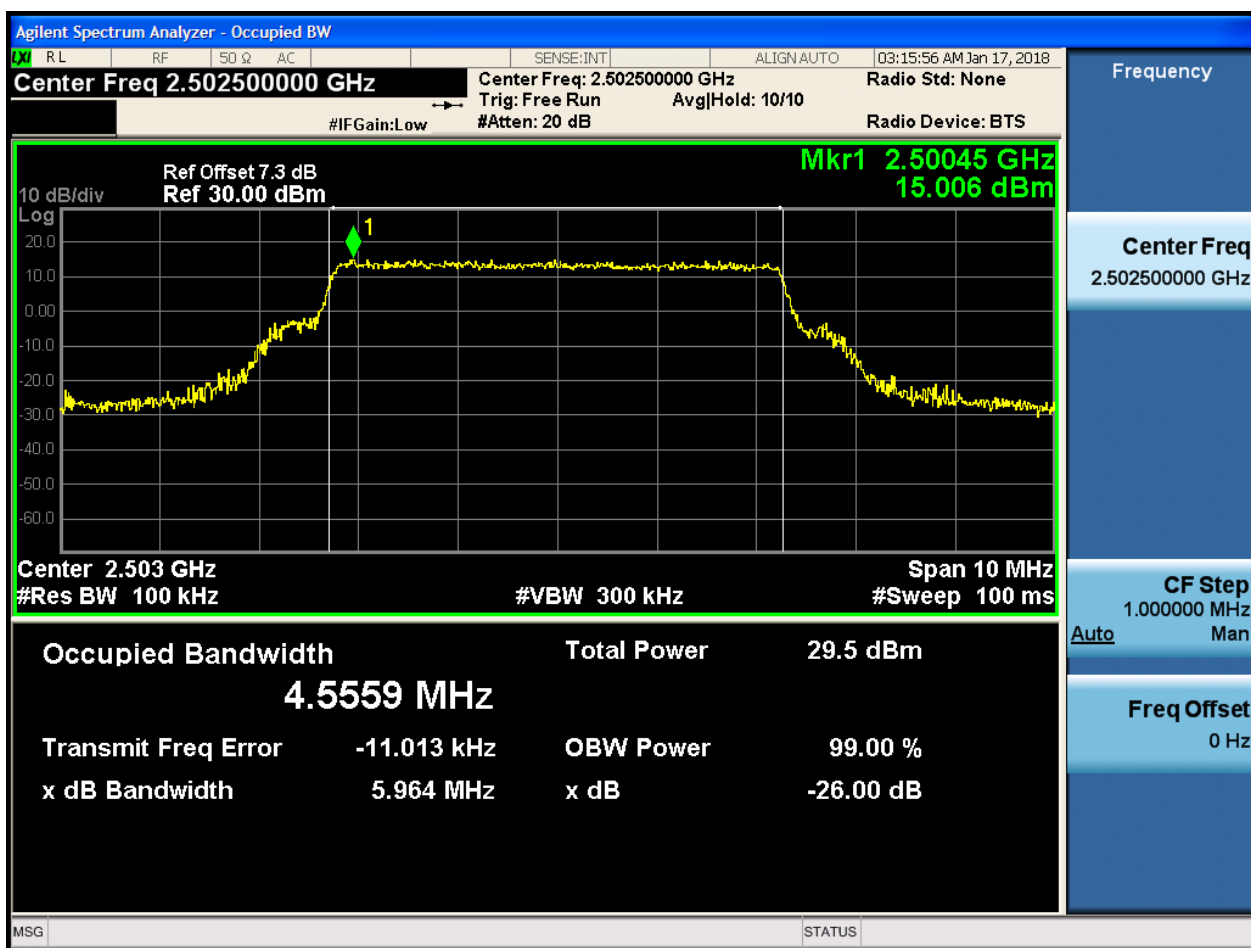
#### 4.1.1 Test Band = BAND7

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

##### 4.1.1.1.1 Test Bandwidth = 5

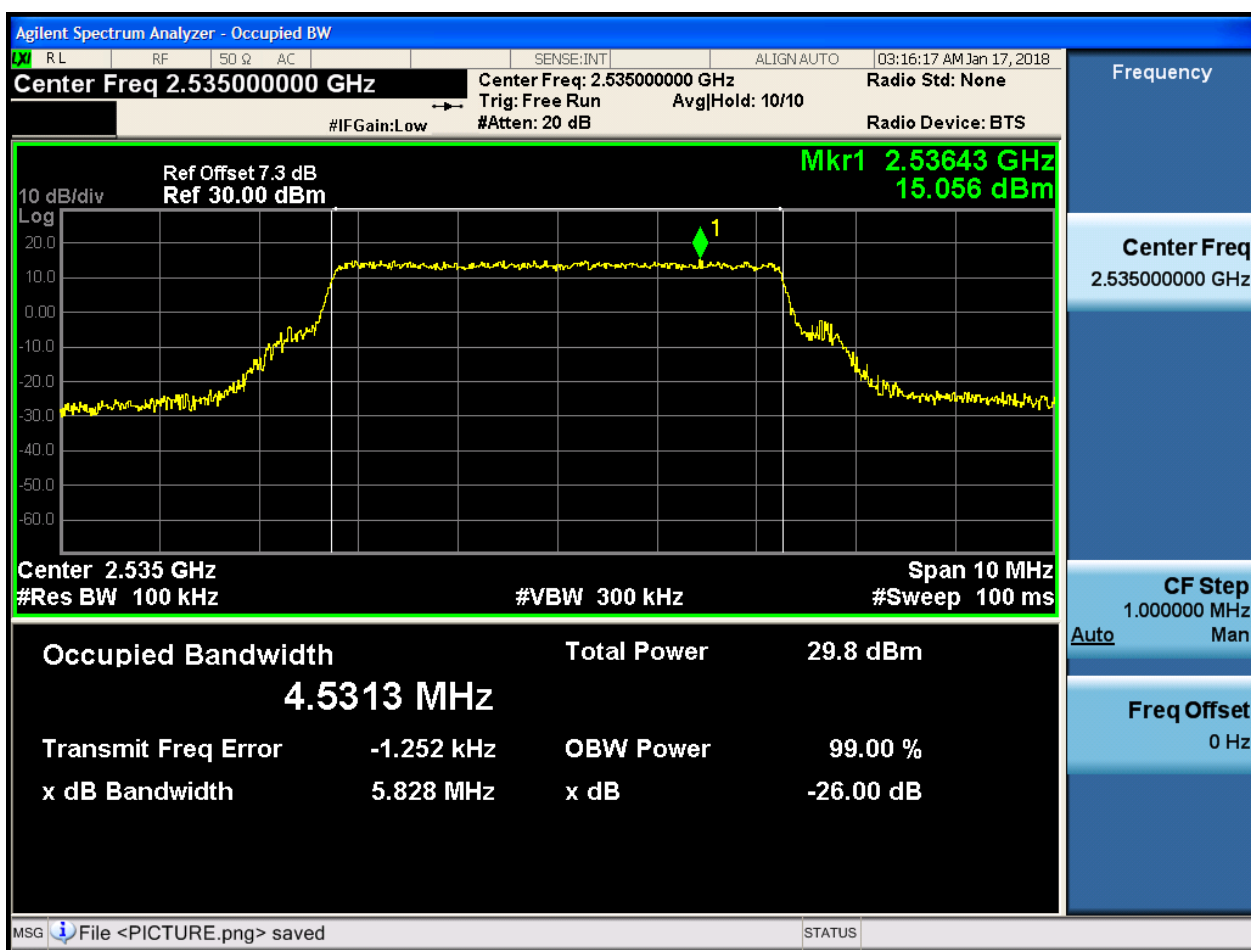
##### 4.1.1.1.1.1 Test Channel = LCH

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



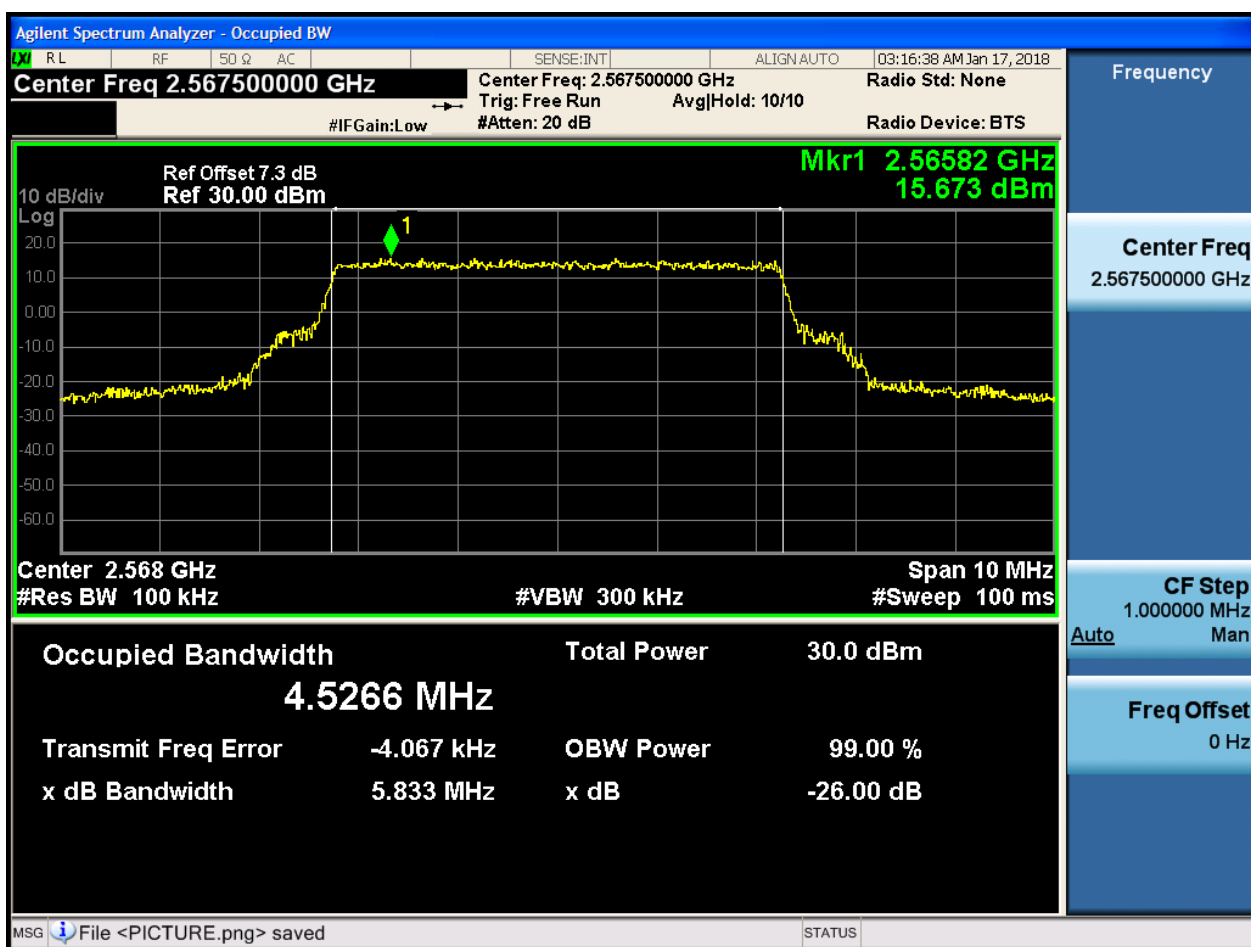
#### 4.1.1.1.1.2 Test Channel = MCH

#### 4.1.1.1.1.2.1 Test RB = RB25#0



#### 4.1.1.1.1.3 Test Channel = HCH

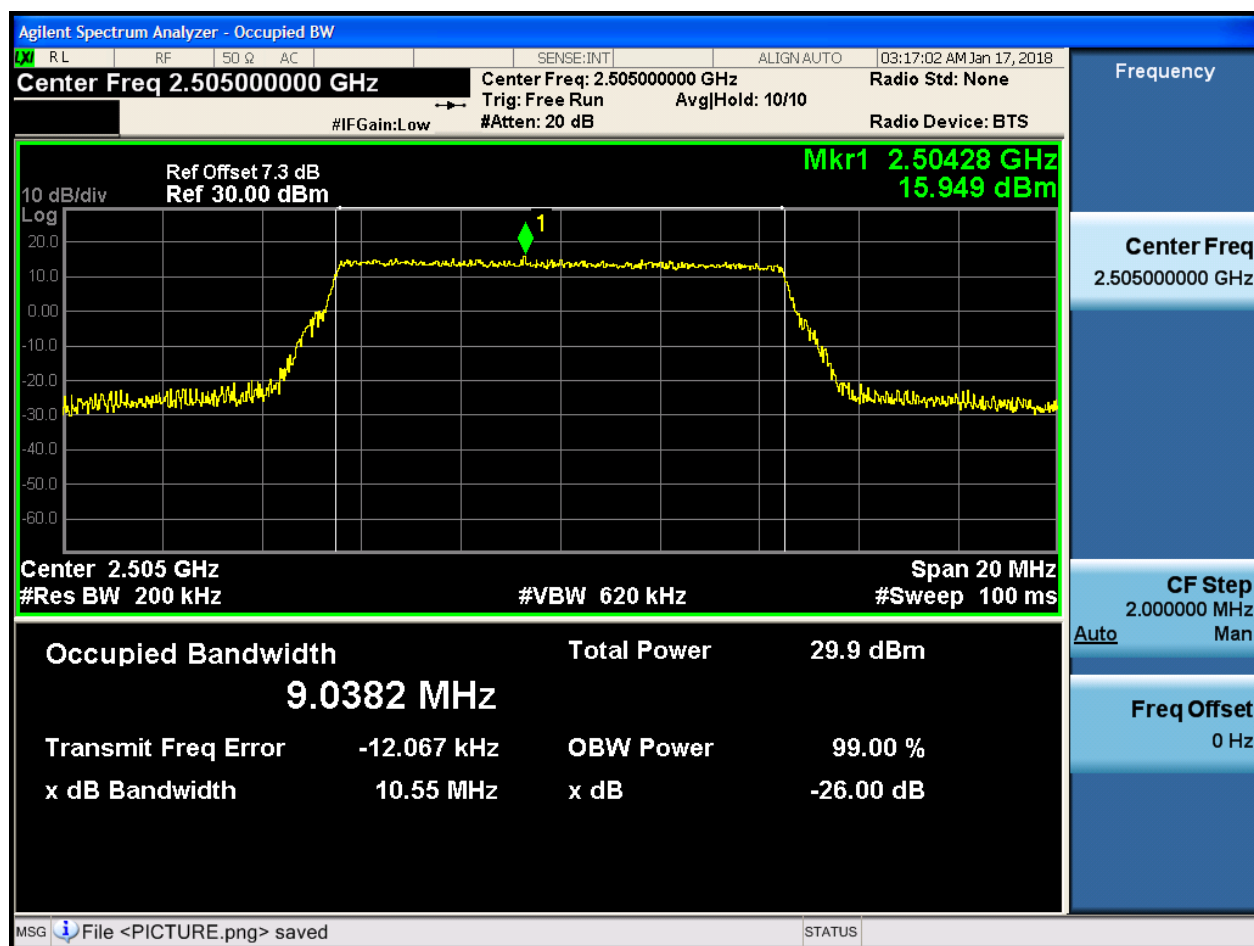
##### 4.1.1.1.1.3.1 Test RB = RB25#0



#### 4.1.1.1.2 Test Bandwidth = 10

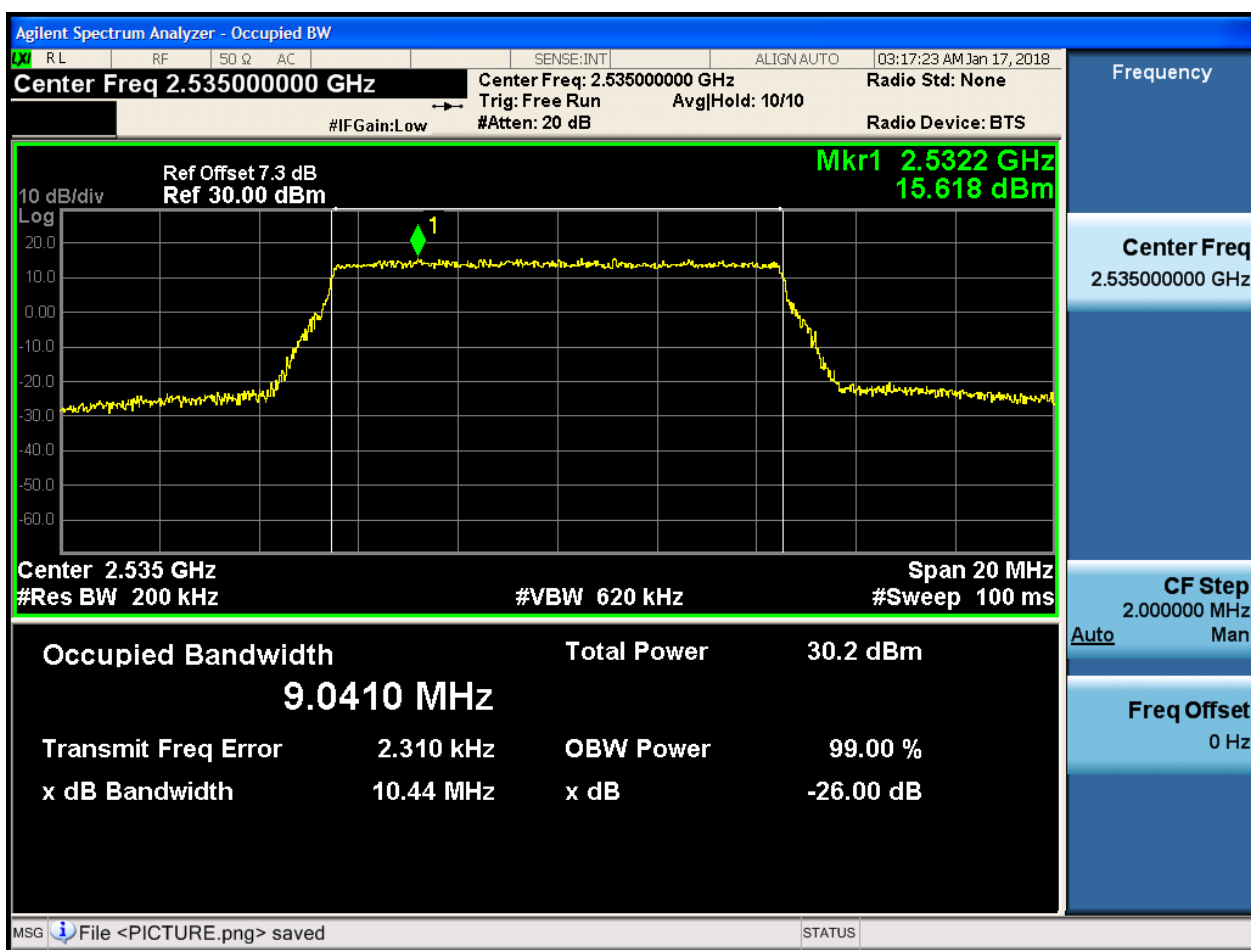
##### 4.1.1.1.2.1 Test Channel = LCH

##### 4.1.1.1.2.1.1 Test RB = RB50#0



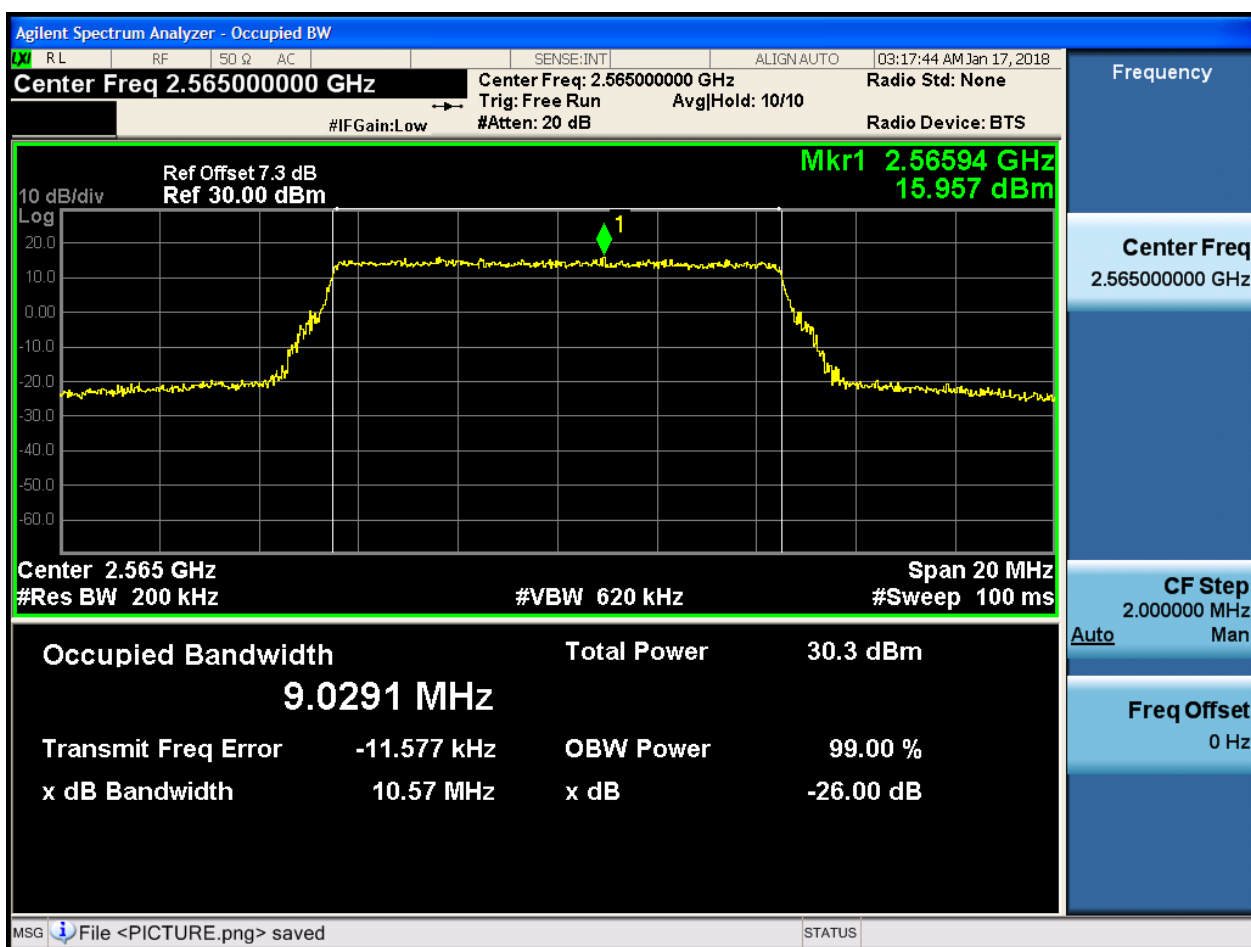
#### 4.1.1.1.2.2 Test Channel = MCH

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



#### 4.1.1.1.2.3 Test Channel = HCH

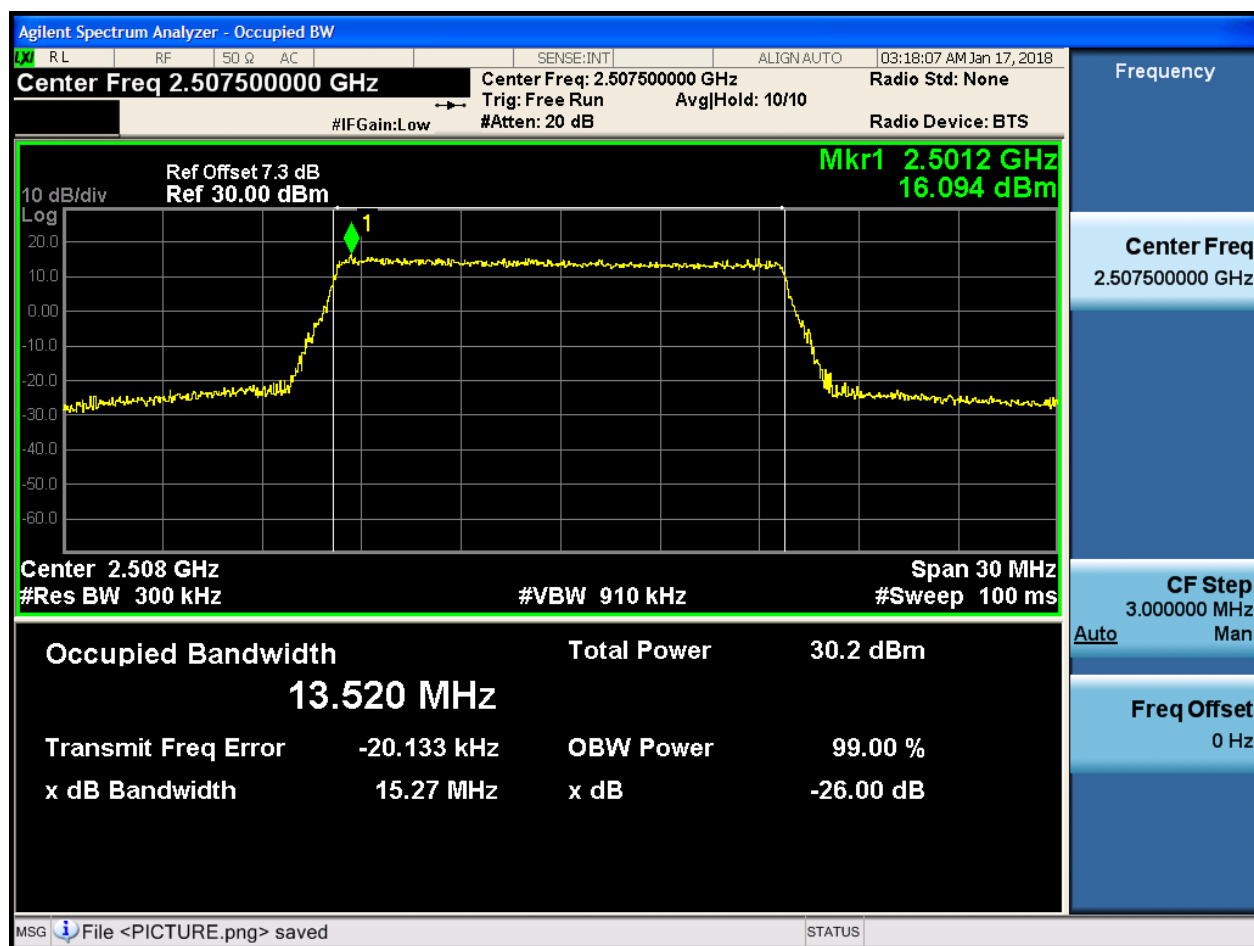
##### 4.1.1.1.2.3.1 Test RB = RB50#0



#### 4.1.1.1.3 Test Bandwidth = 15

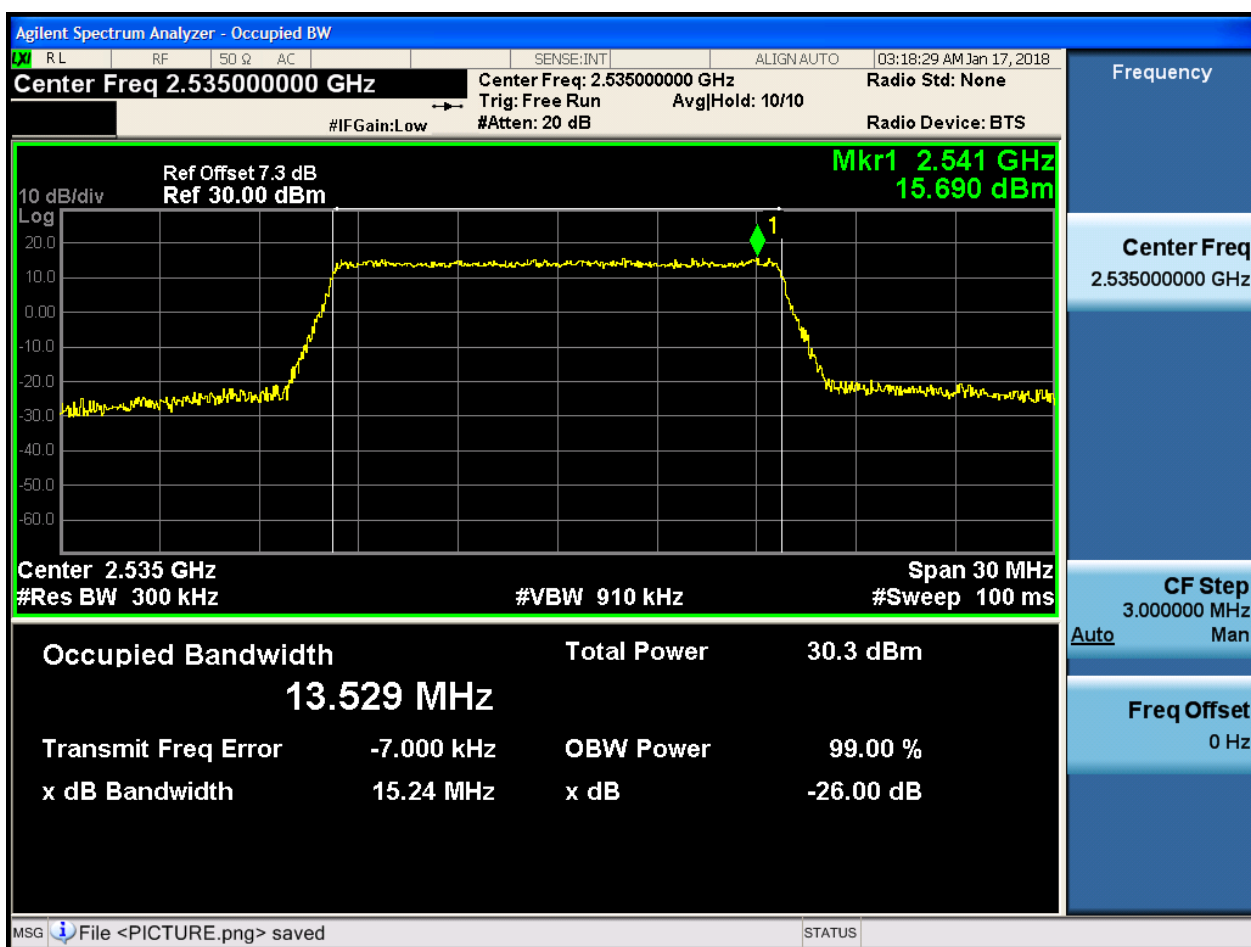
##### 4.1.1.1.3.1 Test Channel = LCH

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



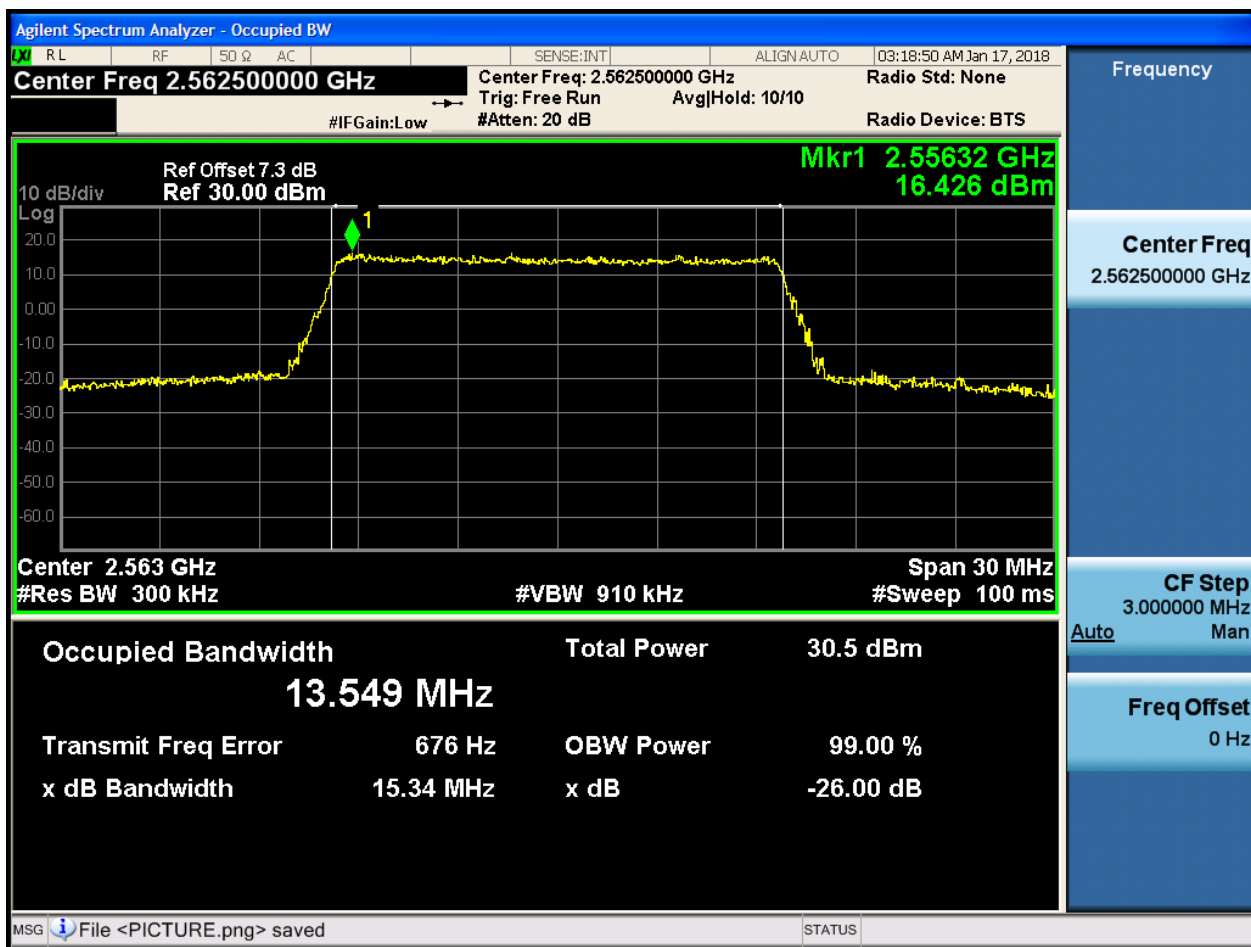
#### 4.1.1.1.3.2 Test Channel = MCH

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



#### 4.1.1.1.3.3 Test Channel = HCH

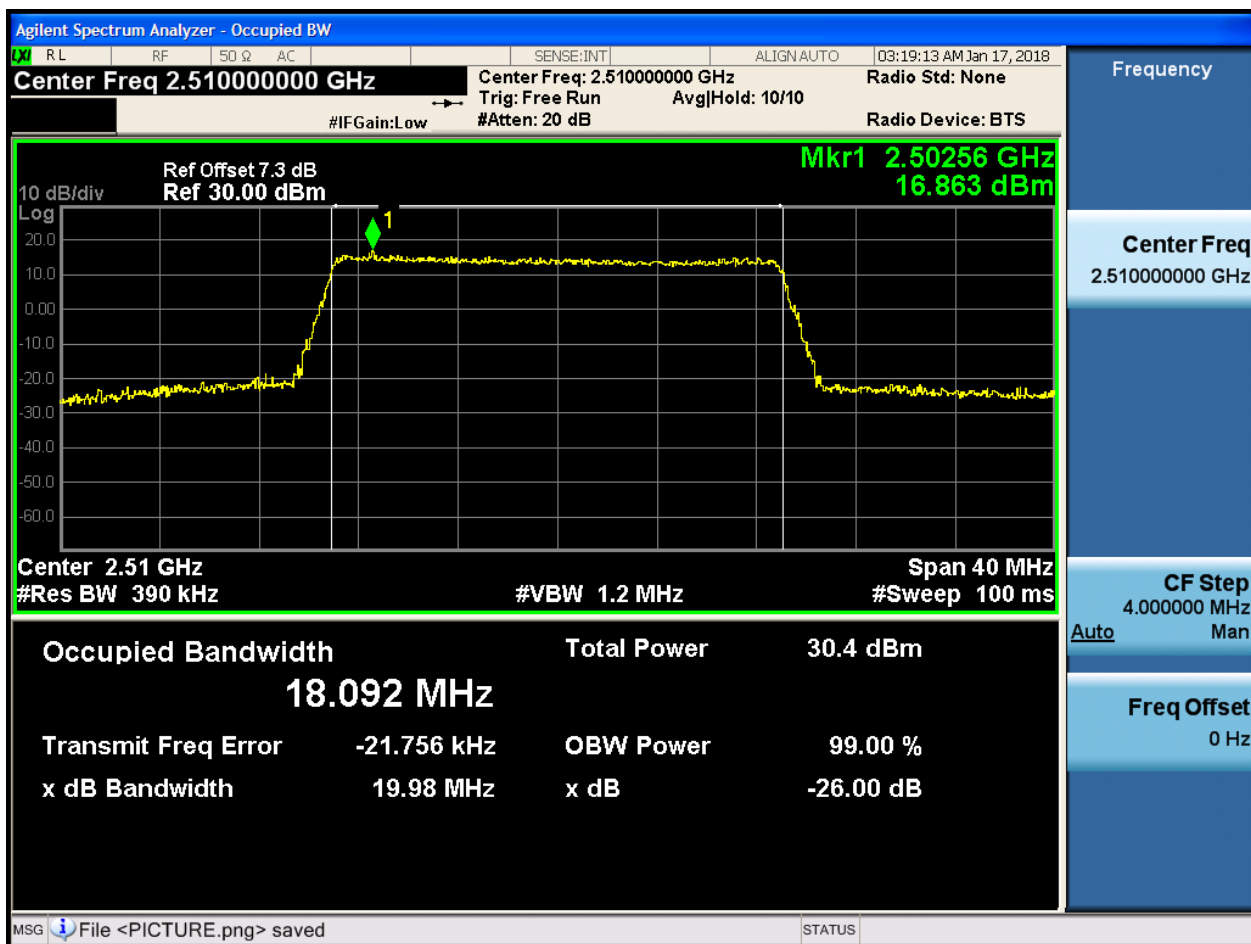
##### 4.1.1.1.3.3.1 Test RB = RB75#0



#### 4.1.1.1.4 Test Bandwidth = 20

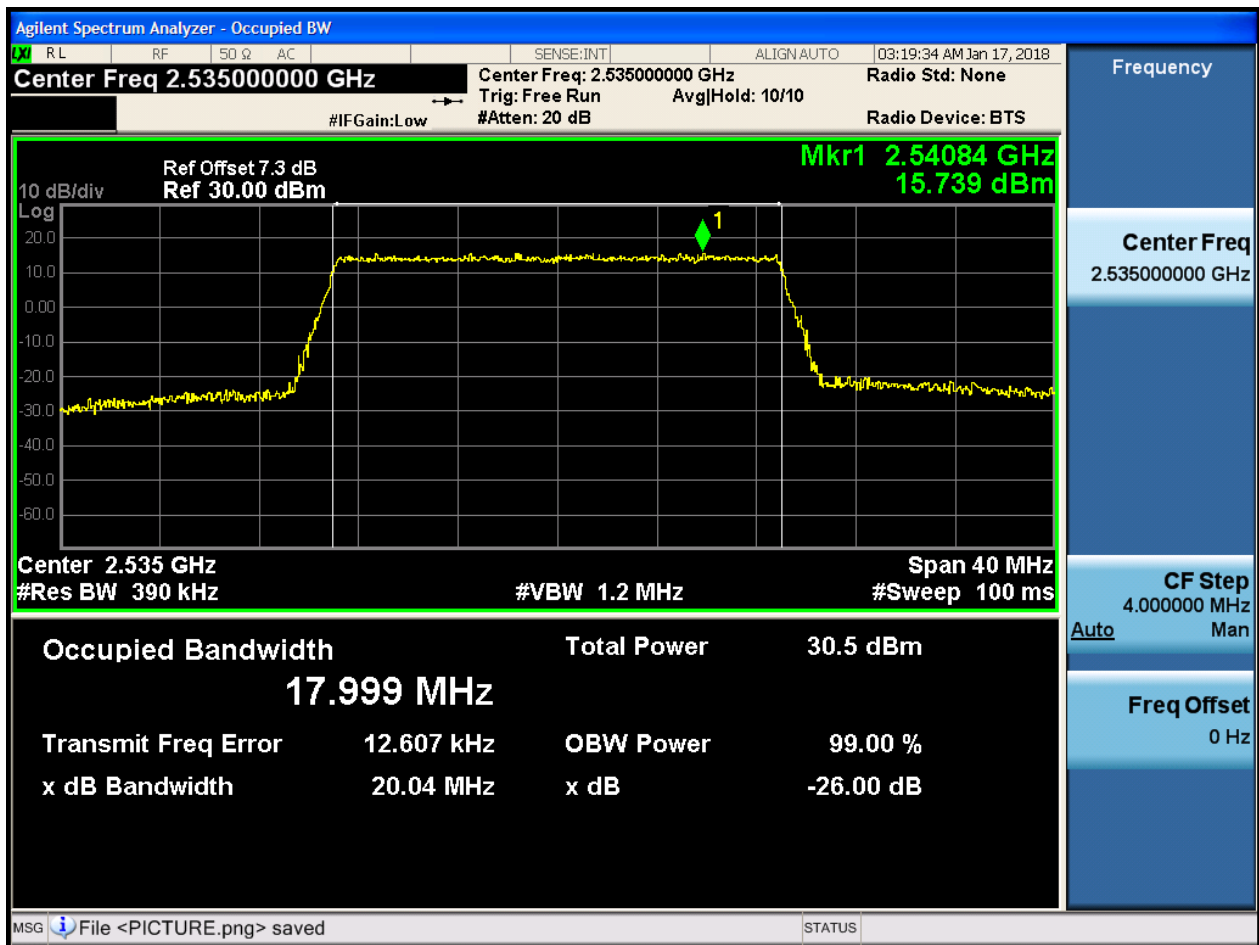
##### 4.1.1.1.4.1 Test Channel = LCH

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



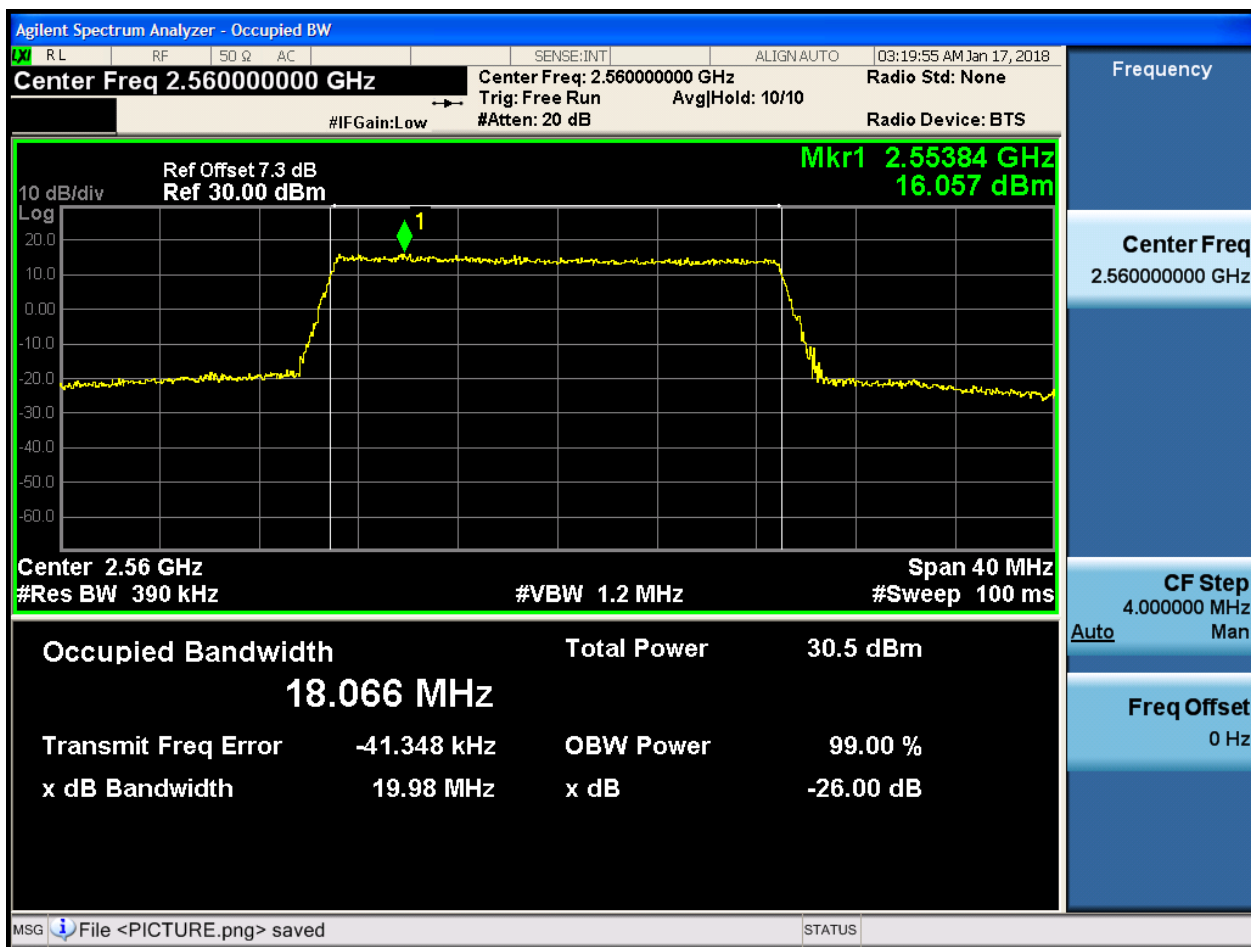
#### 4.1.1.1.4.2 Test Channel = MCH

##### 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

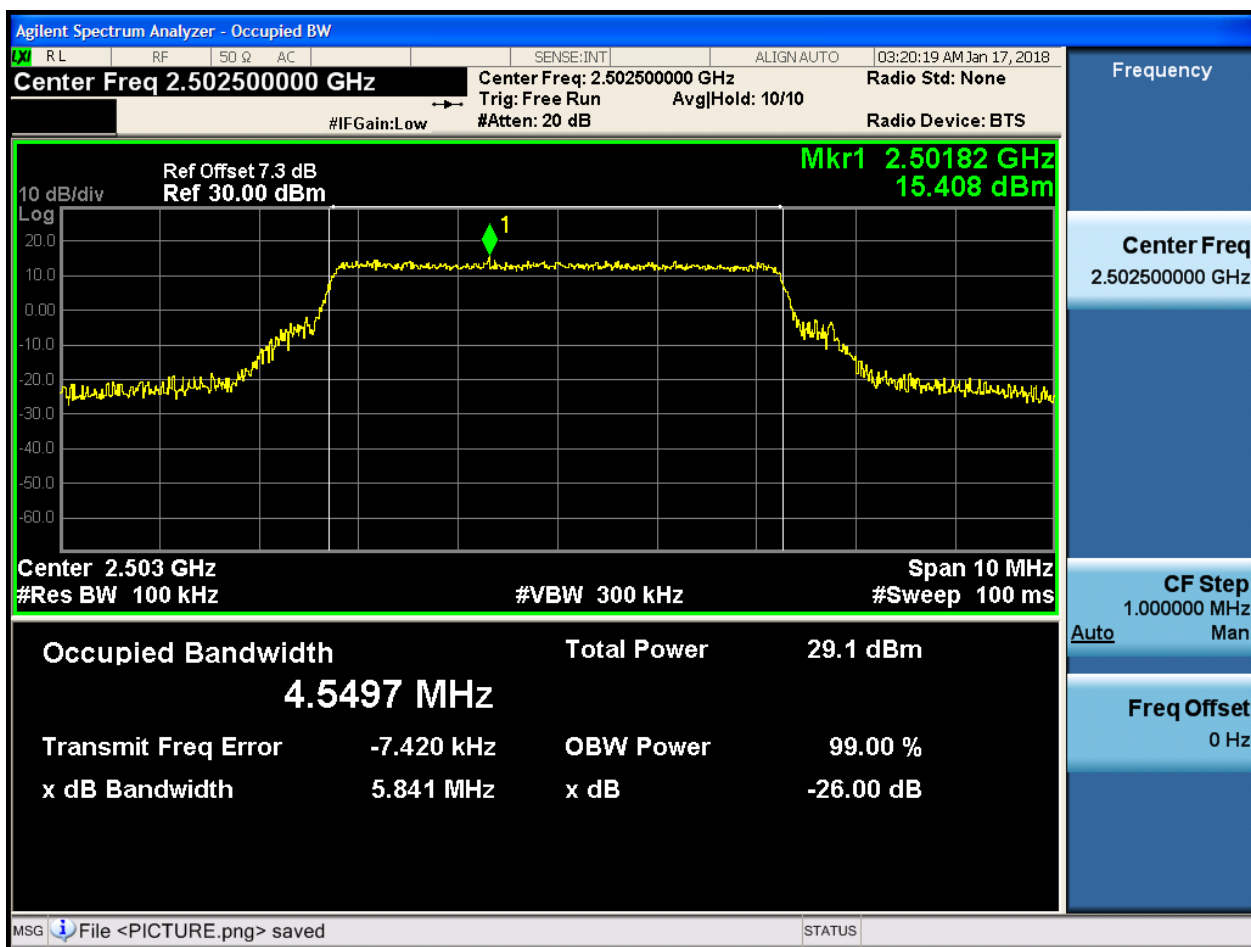


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 5

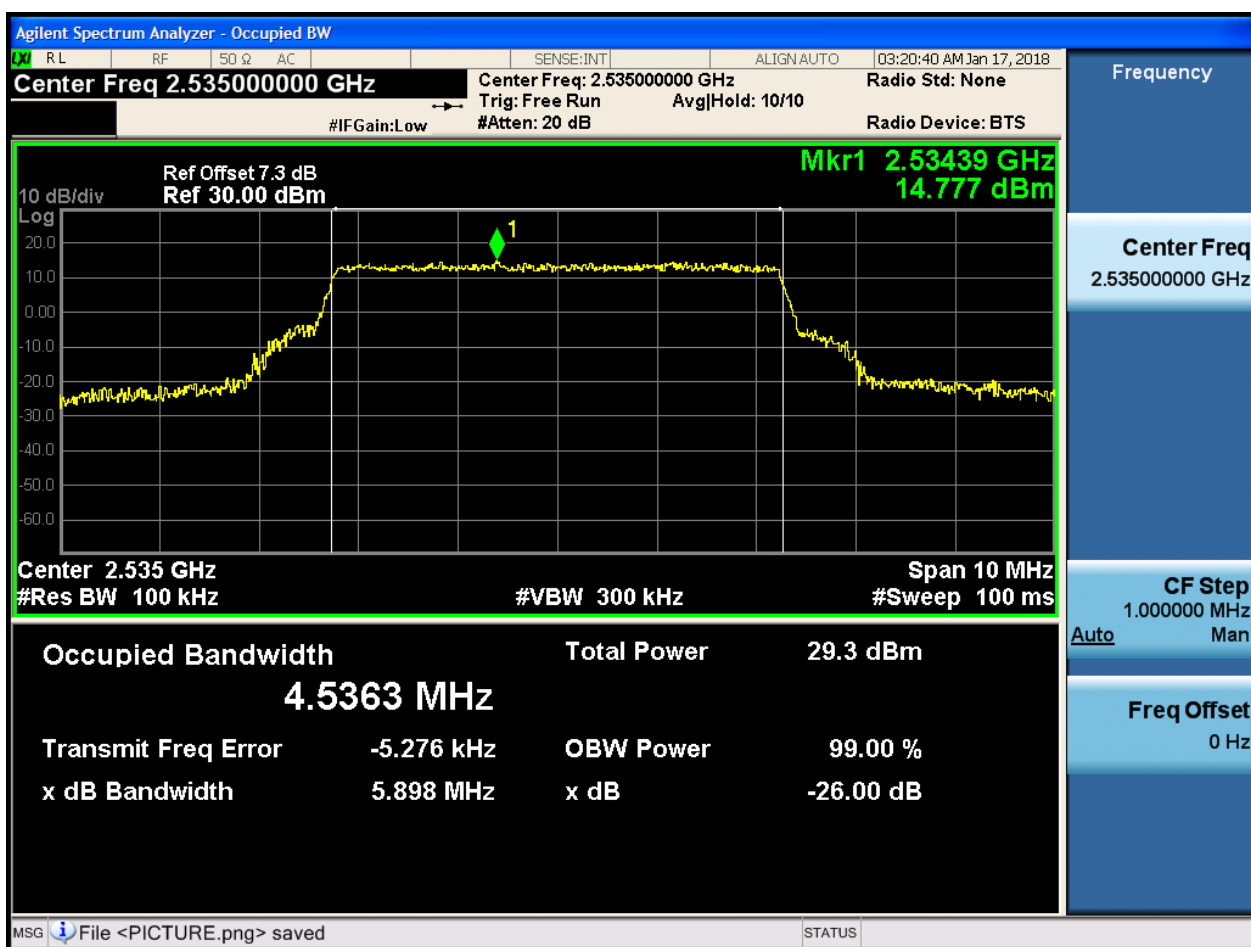
##### 4.1.1.2.1.1 Test Channel = LCH

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



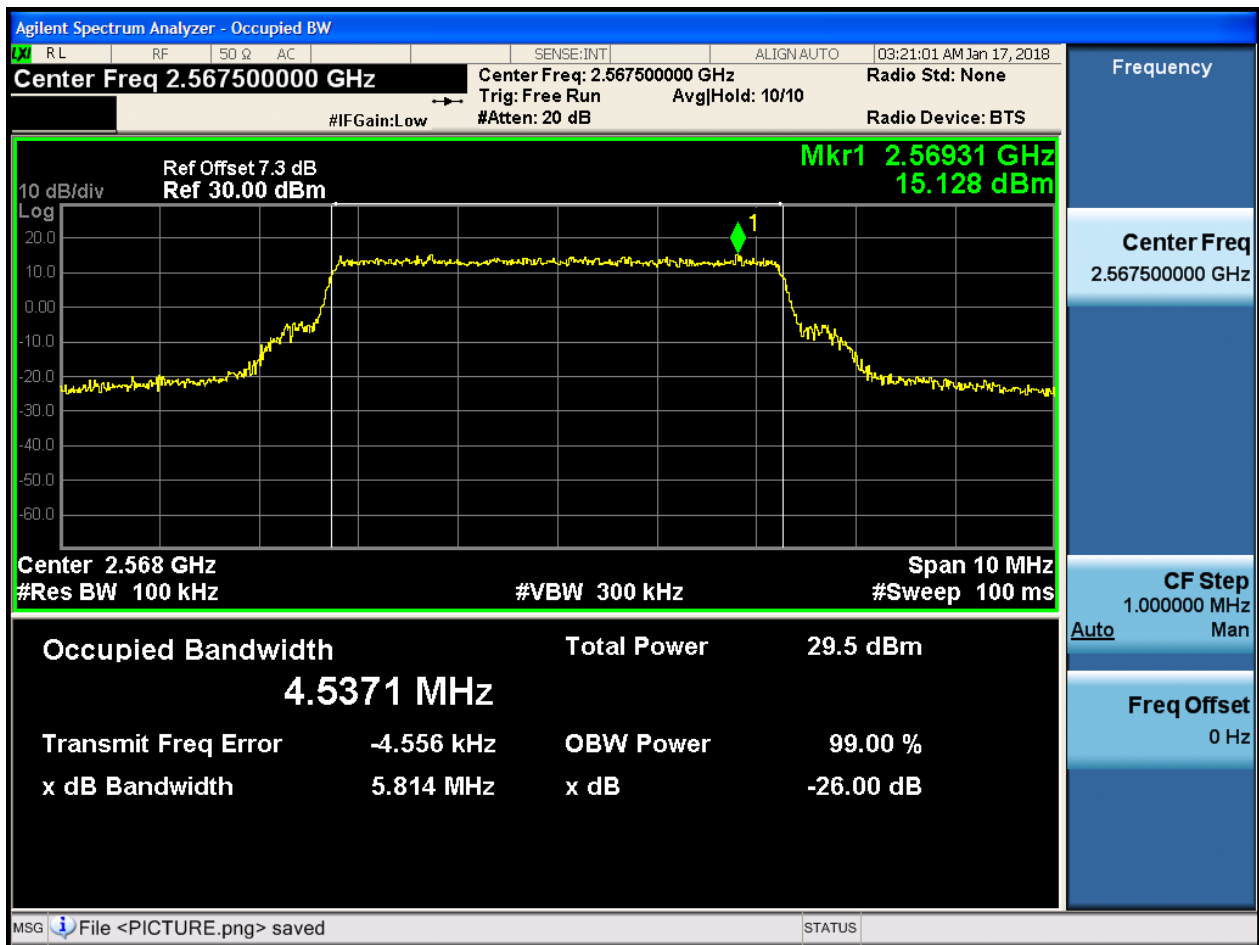
#### 4.1.1.2.1.2 Test Channel = MCH

#### 4.1.1.2.1.2.1 Test RB = RB25#0



#### 4.1.1.2.1.3 Test Channel = HCH

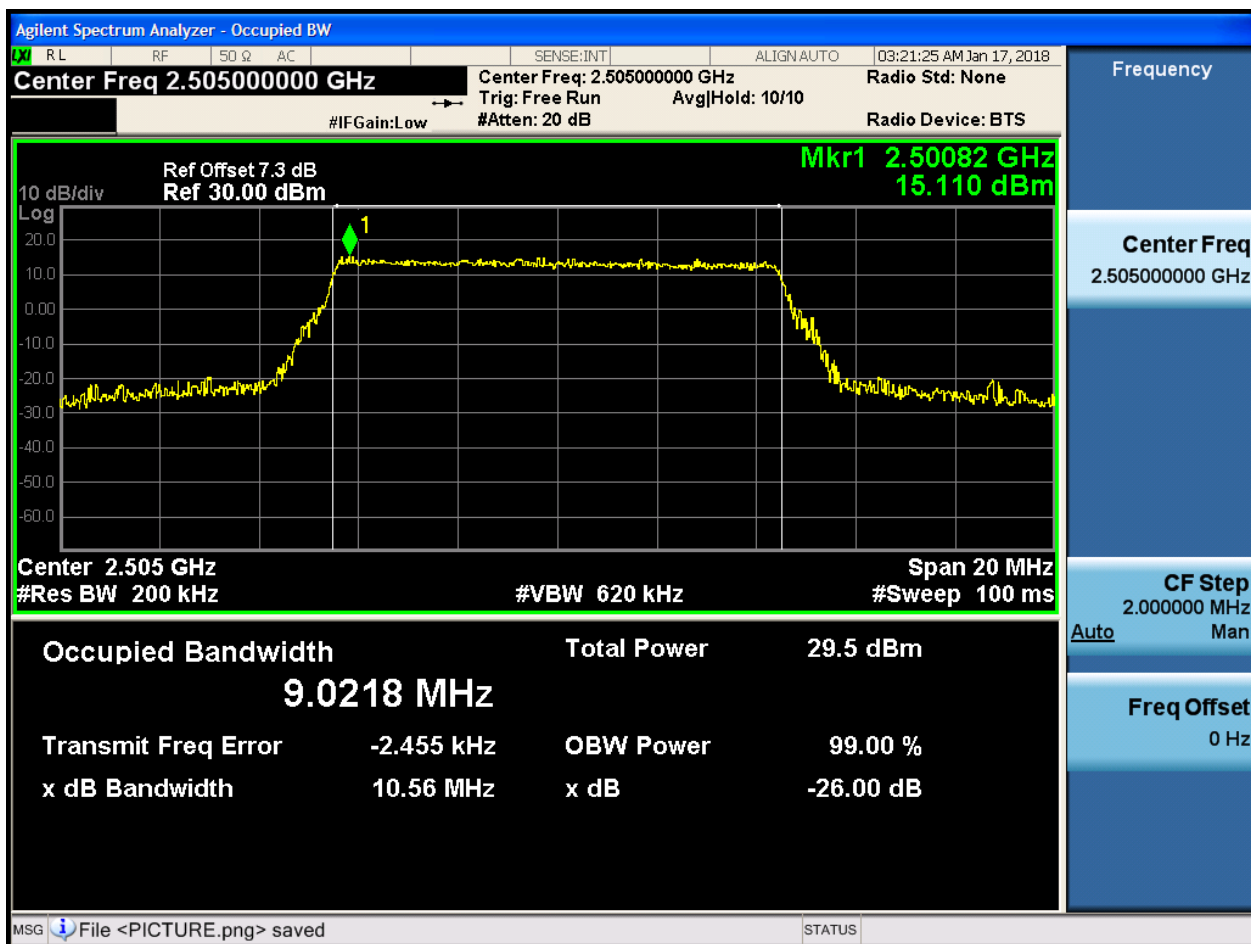
##### 4.1.1.2.1.3.1 Test RB = RB25#0



#### 4.1.1.2.2 Test Bandwidth = 10

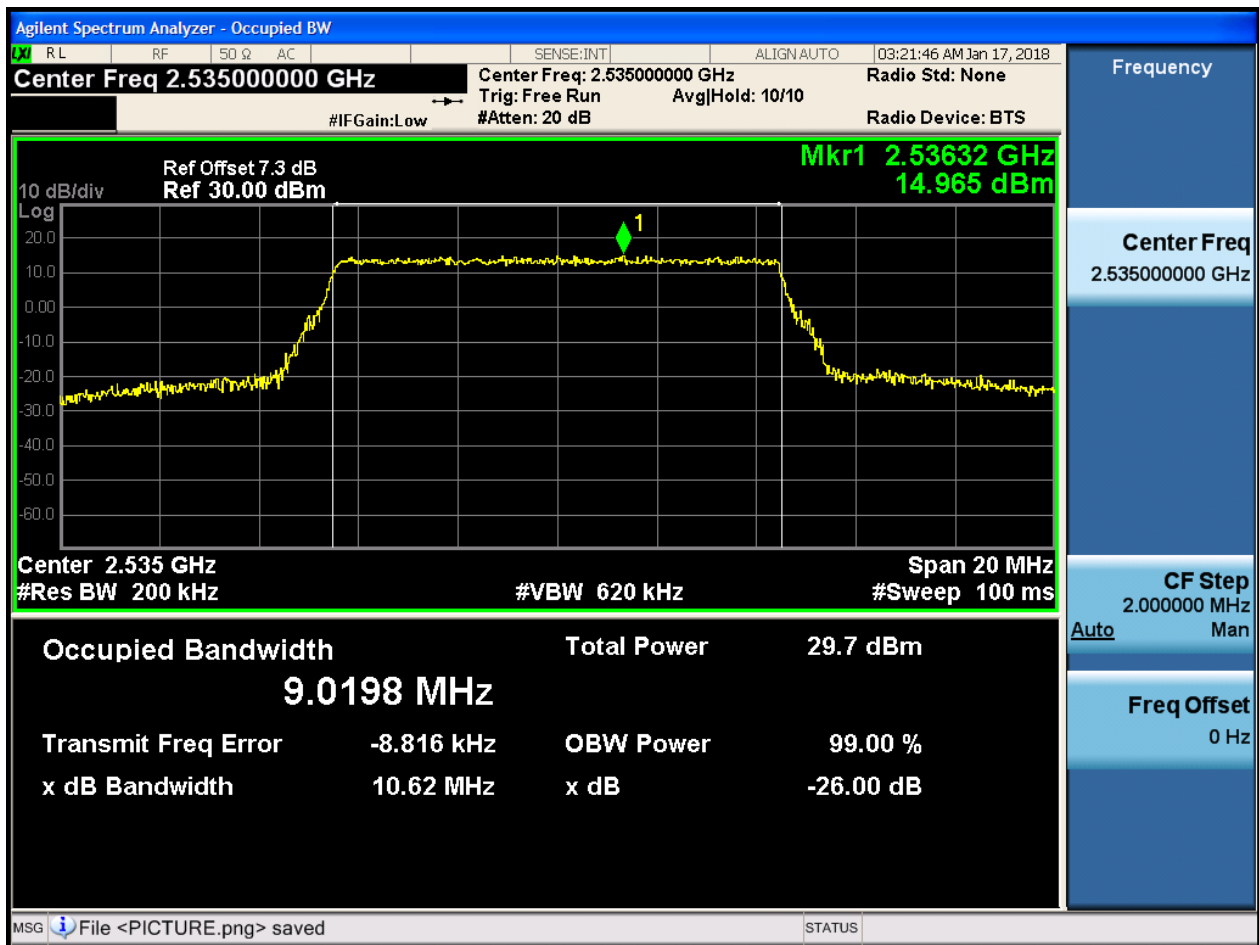
##### 4.1.1.2.2.1 Test Channel = LCH

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



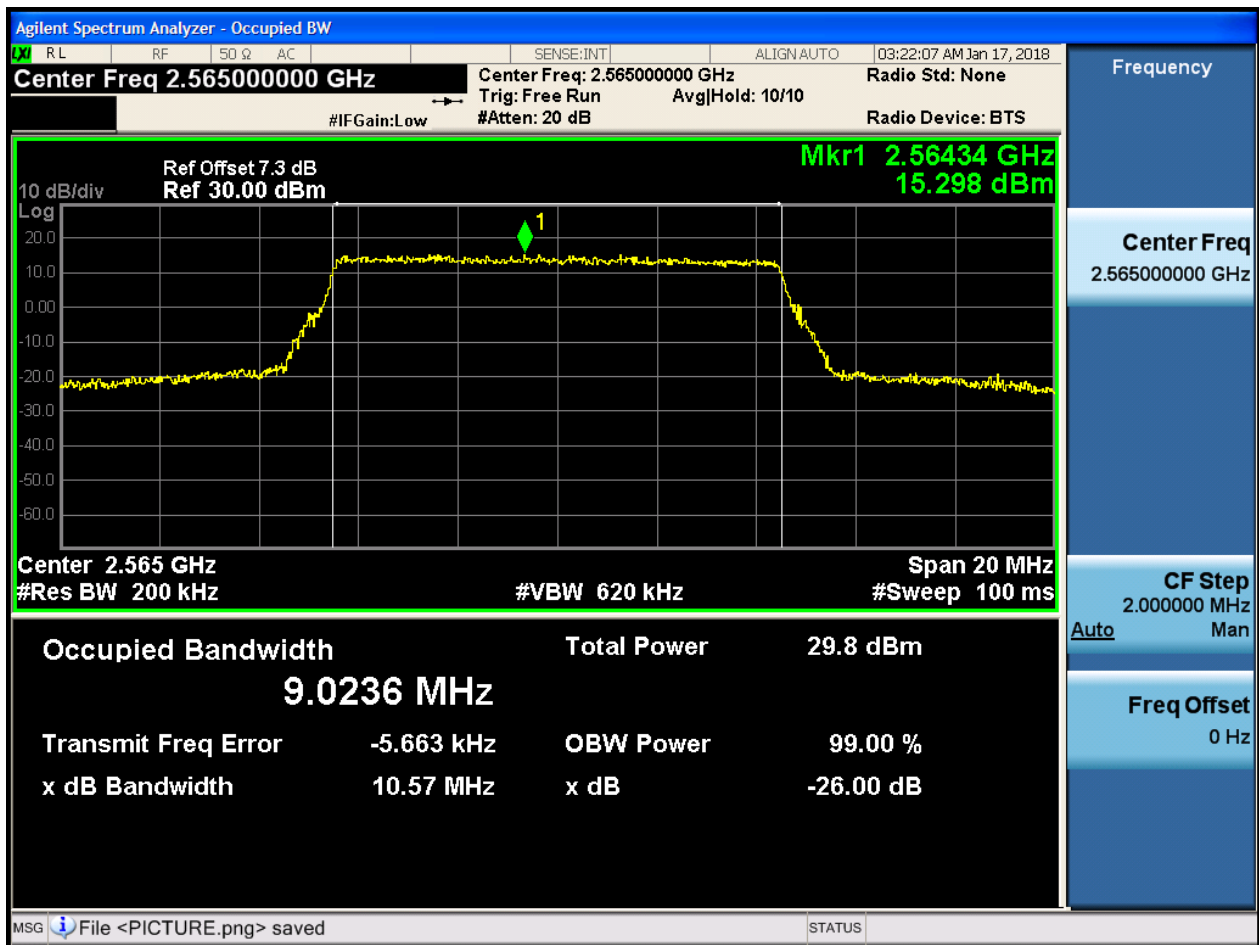
#### 4.1.1.2.2.2 Test Channel = MCH

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



#### 4.1.1.2.2.3 Test Channel = HCH

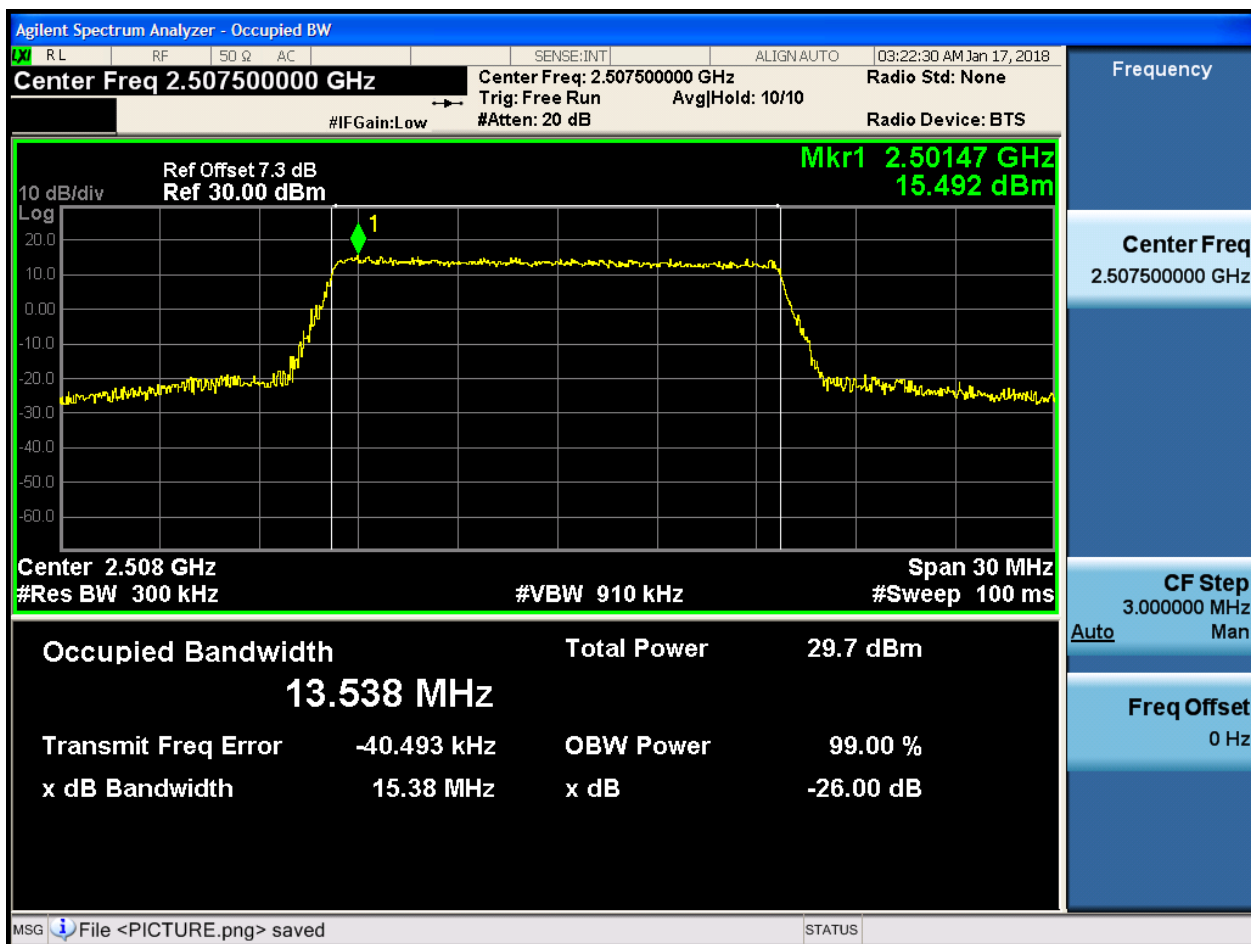
##### 4.1.1.2.2.3.1 Test RB = RB50#0



#### 4.1.1.2.3 Test Bandwidth = 15

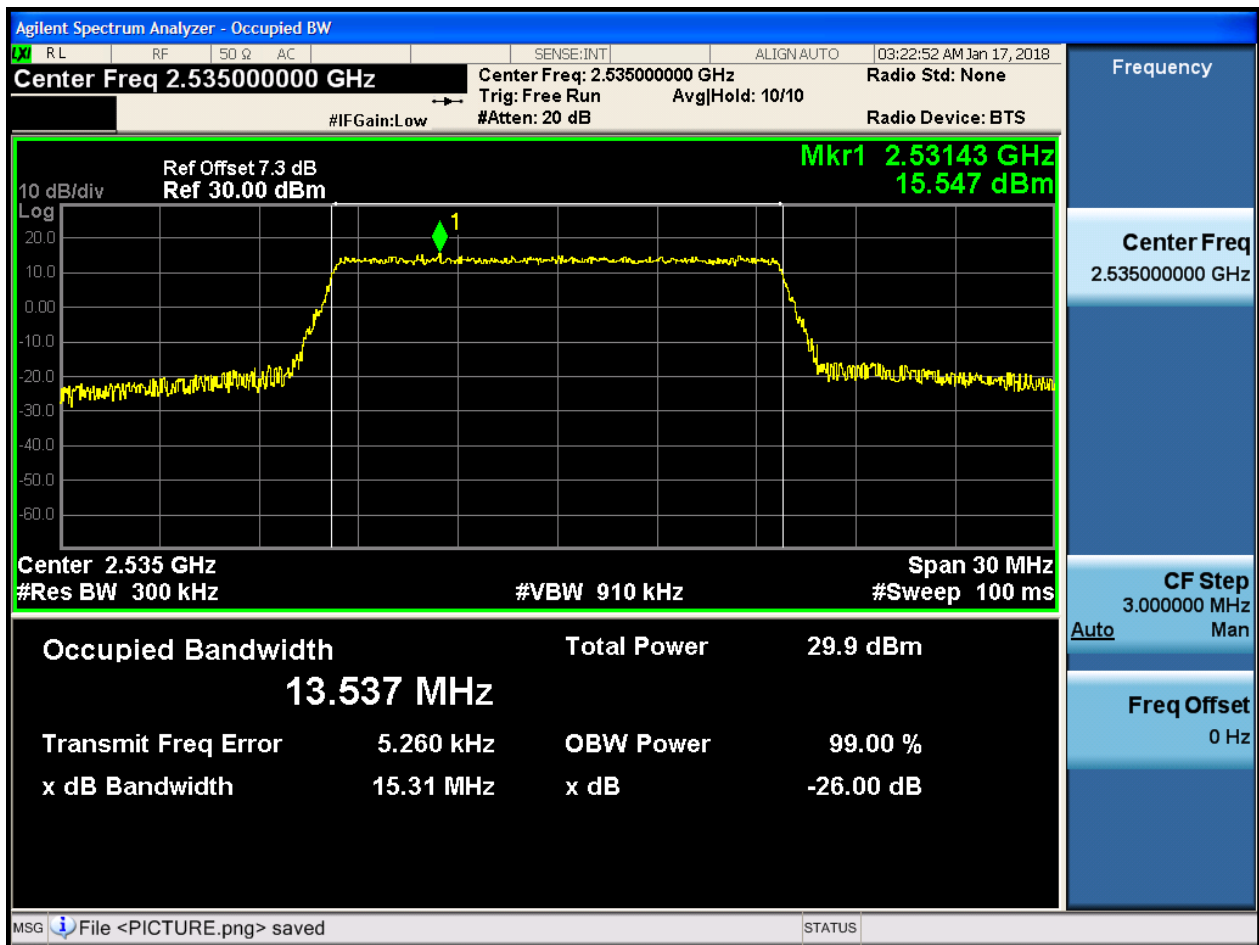
##### 4.1.1.2.3.1 Test Channel = LCH

##### 4.1.1.2.3.1.1 Test RB = RB75#0



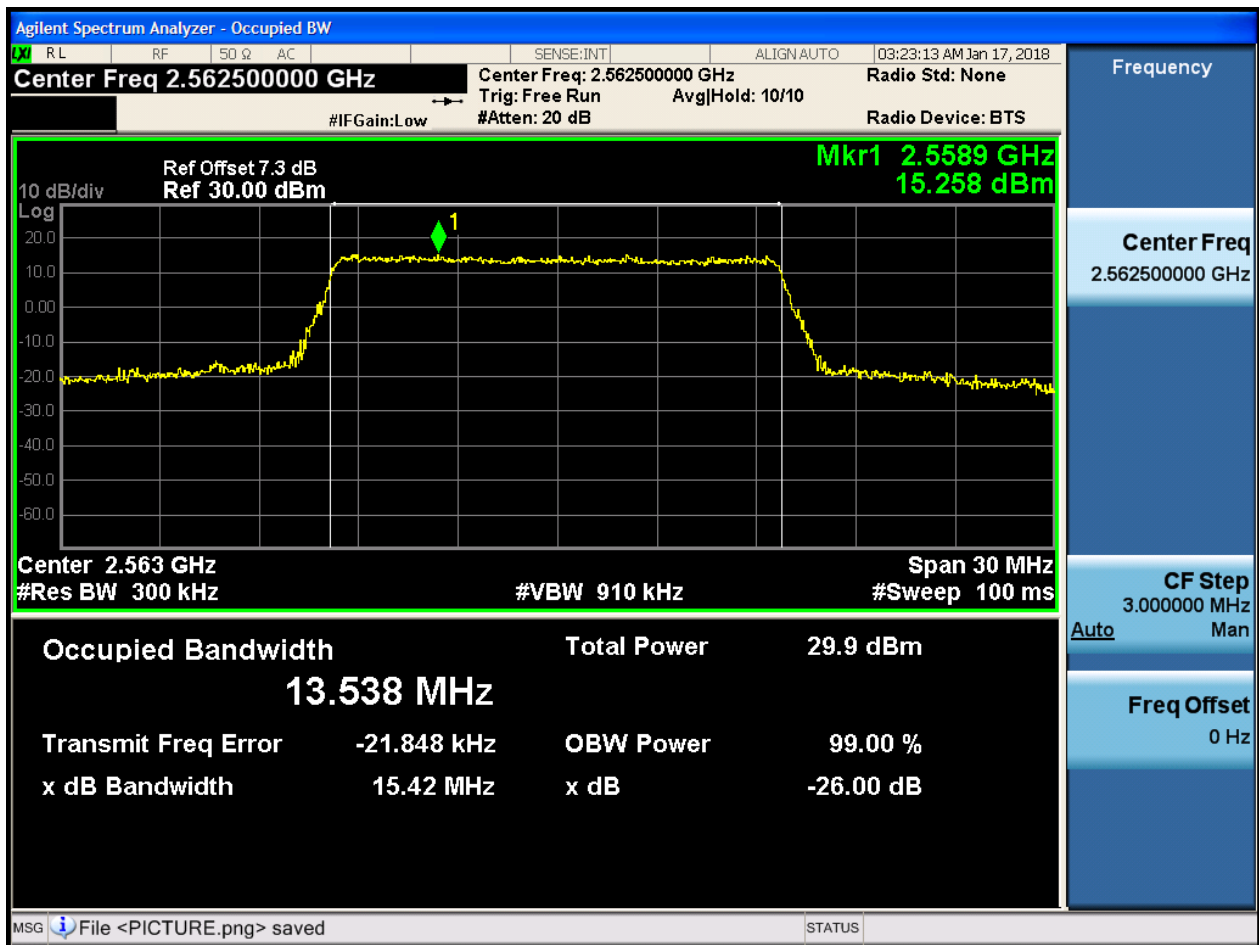
#### 4.1.1.2.3.2 Test Channel = MCH

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



#### 4.1.1.2.3.3 Test Channel = HCH

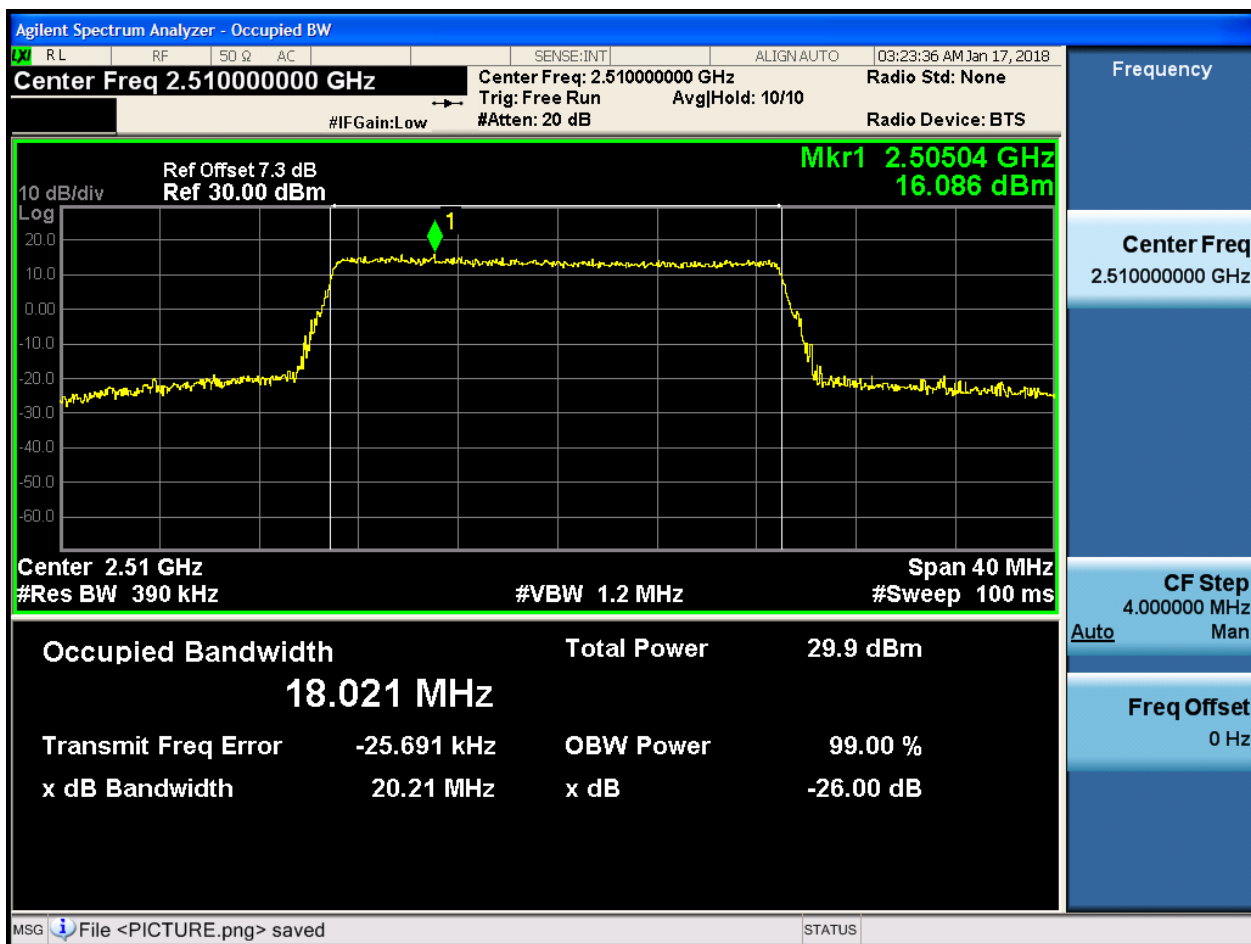
##### 4.1.1.2.3.3.1 Test RB = RB75#0



#### 4.1.1.2.4 Test Bandwidth = 20

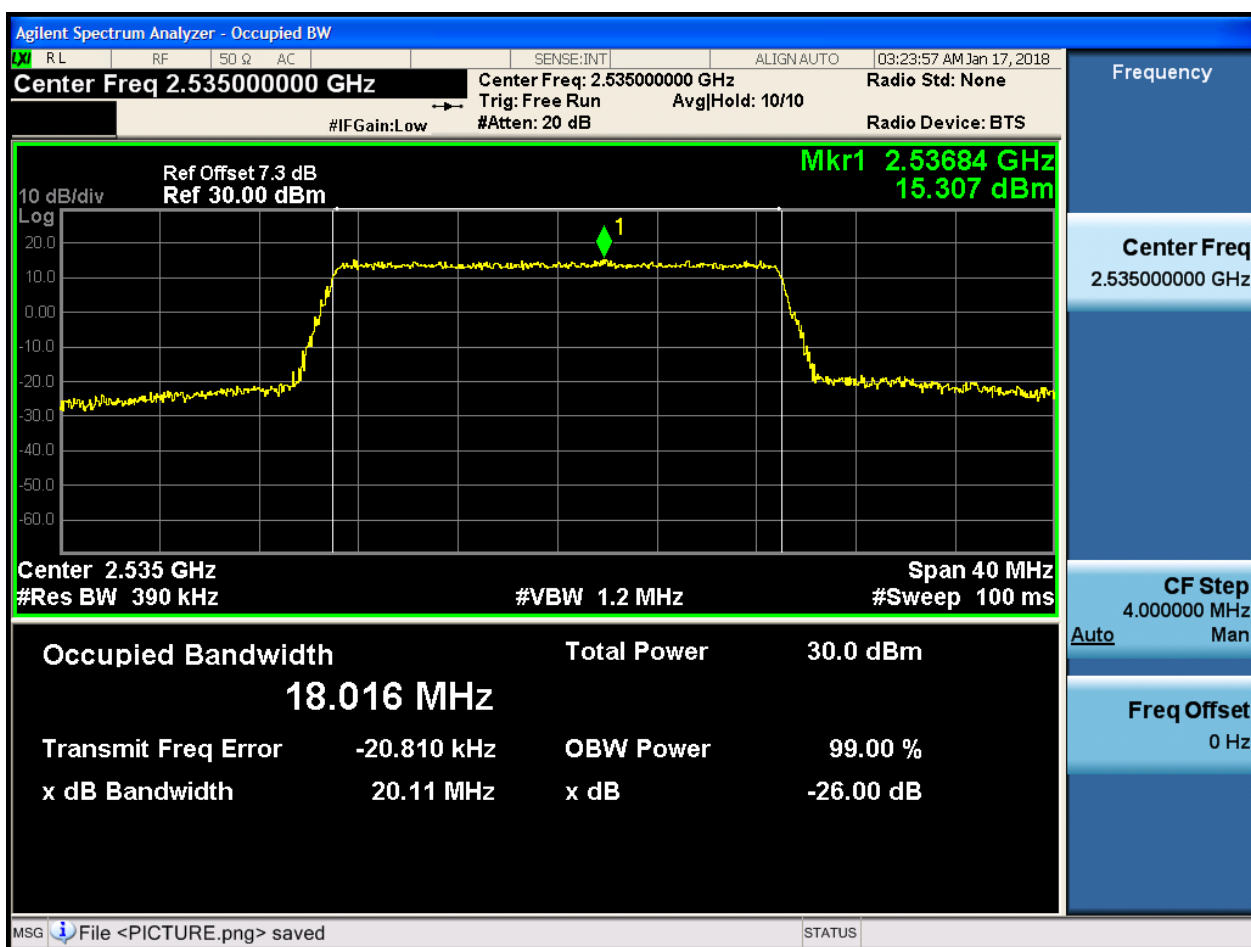
##### 4.1.1.2.4.1 Test Channel = LCH

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



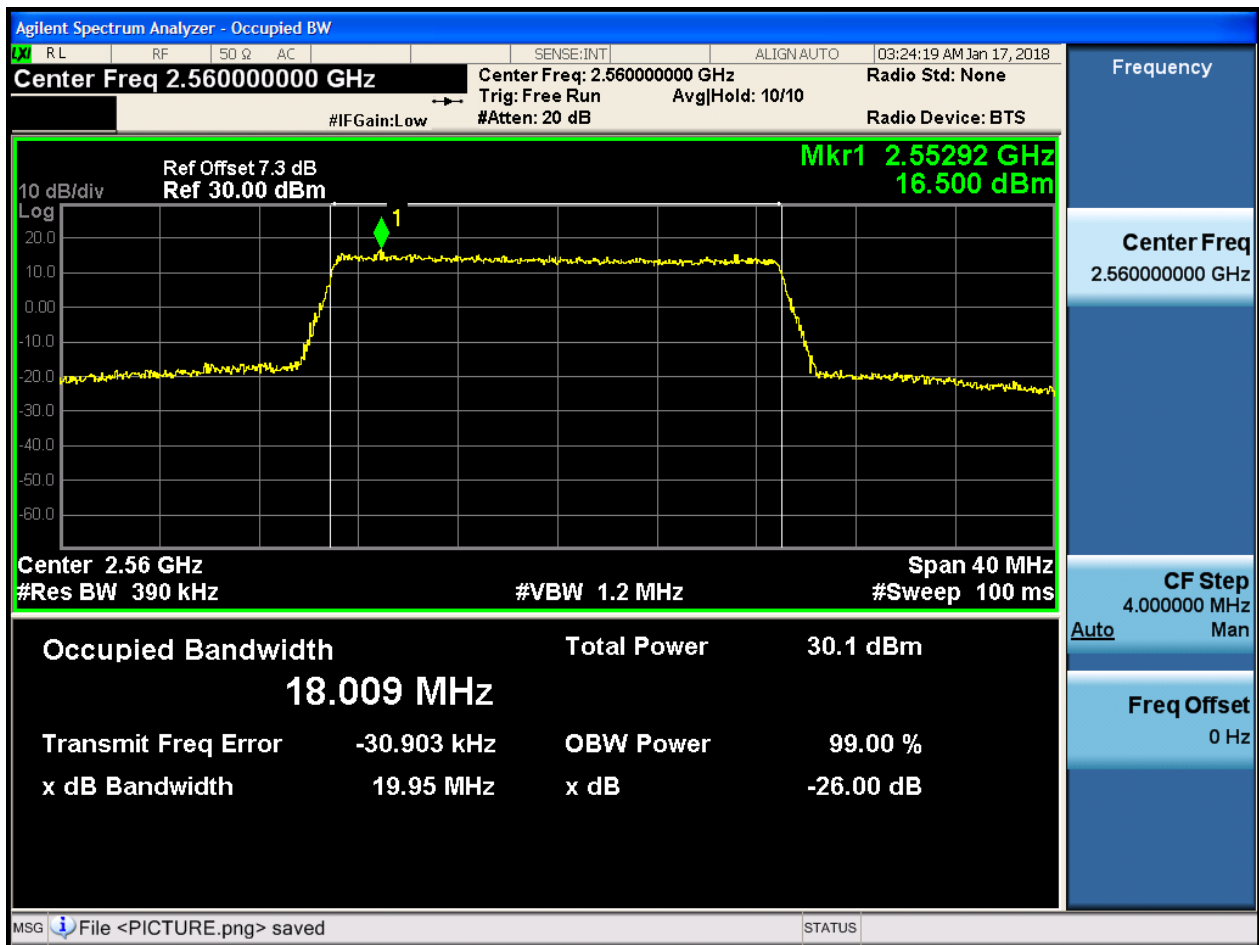
#### 4.1.1.2.4.2 Test Channel = MCH

##### 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

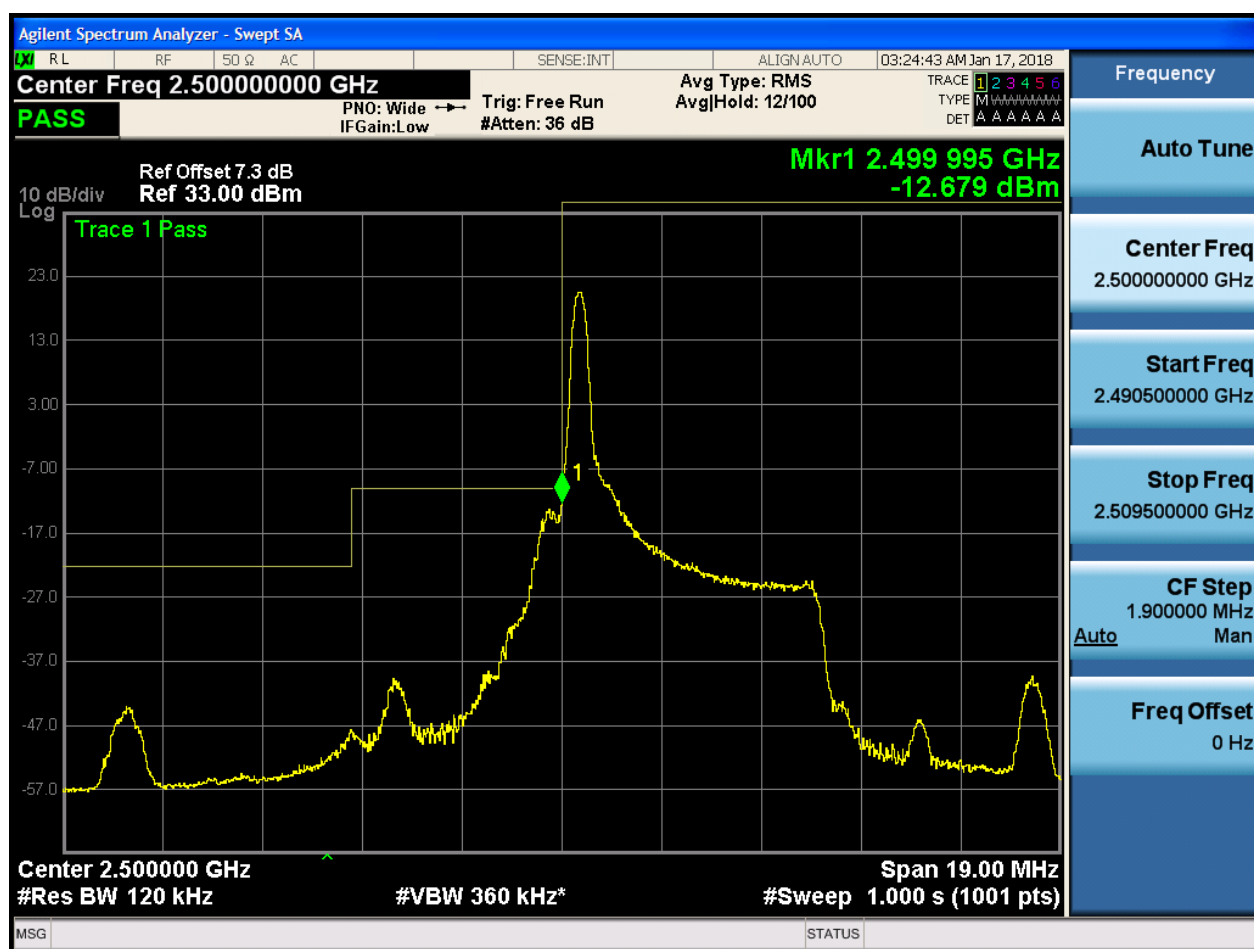
##### 5.1.1 Test Band = BAND7

##### 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





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 03:25:01 AM Jan 17, 2018

Center Freq 2.500000000 GHz Avg Type: RMS  
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100  
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 33.00 dBm

Mkr1 2.499 995 GHz  
-32.934 dBm

10 dB/div  
Log

Trace 1 Pass

The spectrum analyzer display shows a swept spectrum. The vertical axis is labeled 'Log' and ranges from -57.0 to 23.0 dBm. The horizontal axis is labeled 'Center 2.500000 GHz' and 'Span 19.00 MHz'. A yellow trace shows the spectrum, with a prominent peak at 2.499995 GHz. A green diamond marker is placed on the trace at this frequency. The text 'Trace 1 Pass' is displayed in green. The text 'Mkr1 2.499 995 GHz -32.934 dBm' is displayed in green. The text 'Center 2.500000 GHz' and 'Span 19.00 MHz' are displayed in white. The text '#Res BW 120 kHz' and '#VBW 360 kHz\*' are displayed in white. The text '#Sweep 1.000 s (1001 pts)' is displayed in white. The text 'PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100' is displayed in white. The text 'TRACE 1 2 3 4 5 6 TYPE M M M M M M M M DET A A A A A A' is displayed in white. The text 'Ref Offset 7.3 dB Ref 33.00 dBm' is displayed in white. The text 'Mkr1 2.499 995 GHz -32.934 dBm' is displayed in green. The text '10 dB/div Log' is displayed in white. The text 'Center Freq 2.500000000 GHz' is displayed in white. The text 'Avg Type: RMS' is displayed in white. The text 'PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100' is displayed in white. The text 'TRACE 1 2 3 4 5 6 TYPE M M M M M M M M DET A A A A A A' is displayed in white. The text 'Ref Offset 7.3 dB Ref 33.00 dBm' is displayed in white. The text 'Mkr1 2.499 995 GHz -32.934 dBm' is displayed in green. The text '10 dB/div Log' is displayed in white. The text 'Center 2.500000 GHz' and 'Span 19.00 MHz' are displayed in white. The text '#Res BW 120 kHz' and '#VBW 360 kHz\*' are displayed in white. The text '#Sweep 1.000 s (1001 pts)' is displayed in white.

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

MSG STATUS

Frequency

Auto Tune

Center Freq  
2.500000000 GHz

Start Freq  
2.490500000 GHz

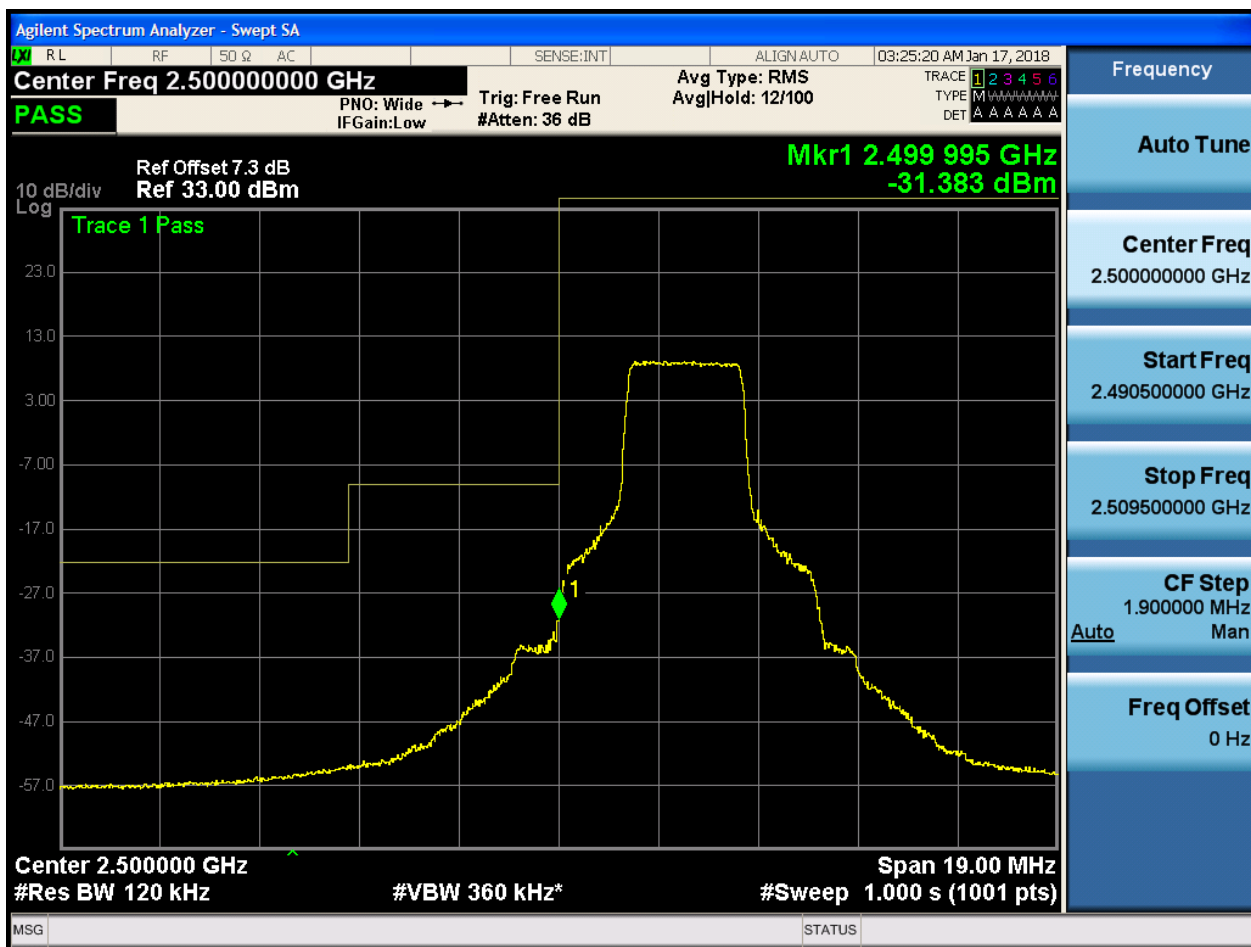
Stop Freq  
2.509500000 GHz

CF Step  
1.900000 MHz  
Auto Man

Freq Offset  
0 Hz

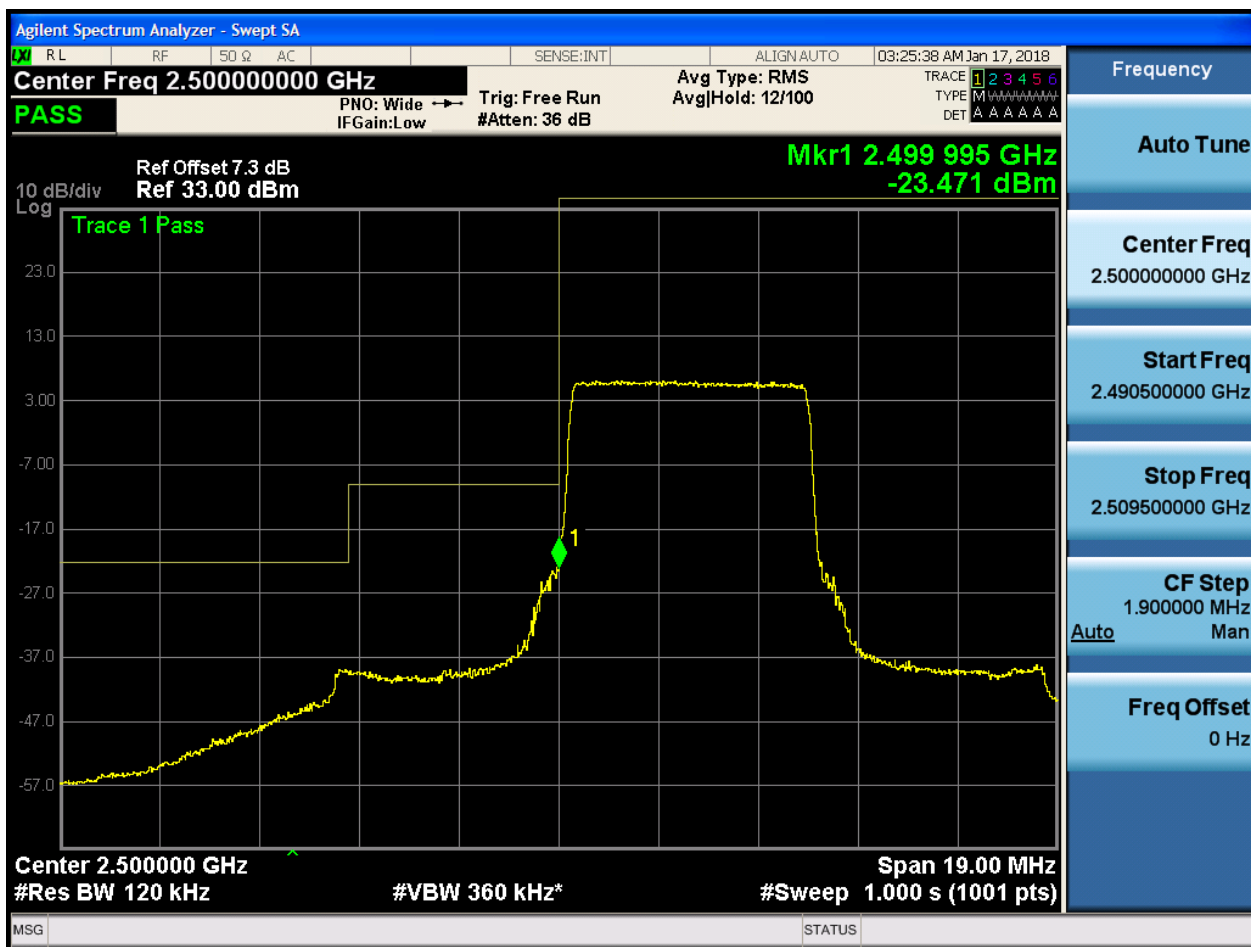


## 5.1.1.1.1.3 Test RB = RB12#6



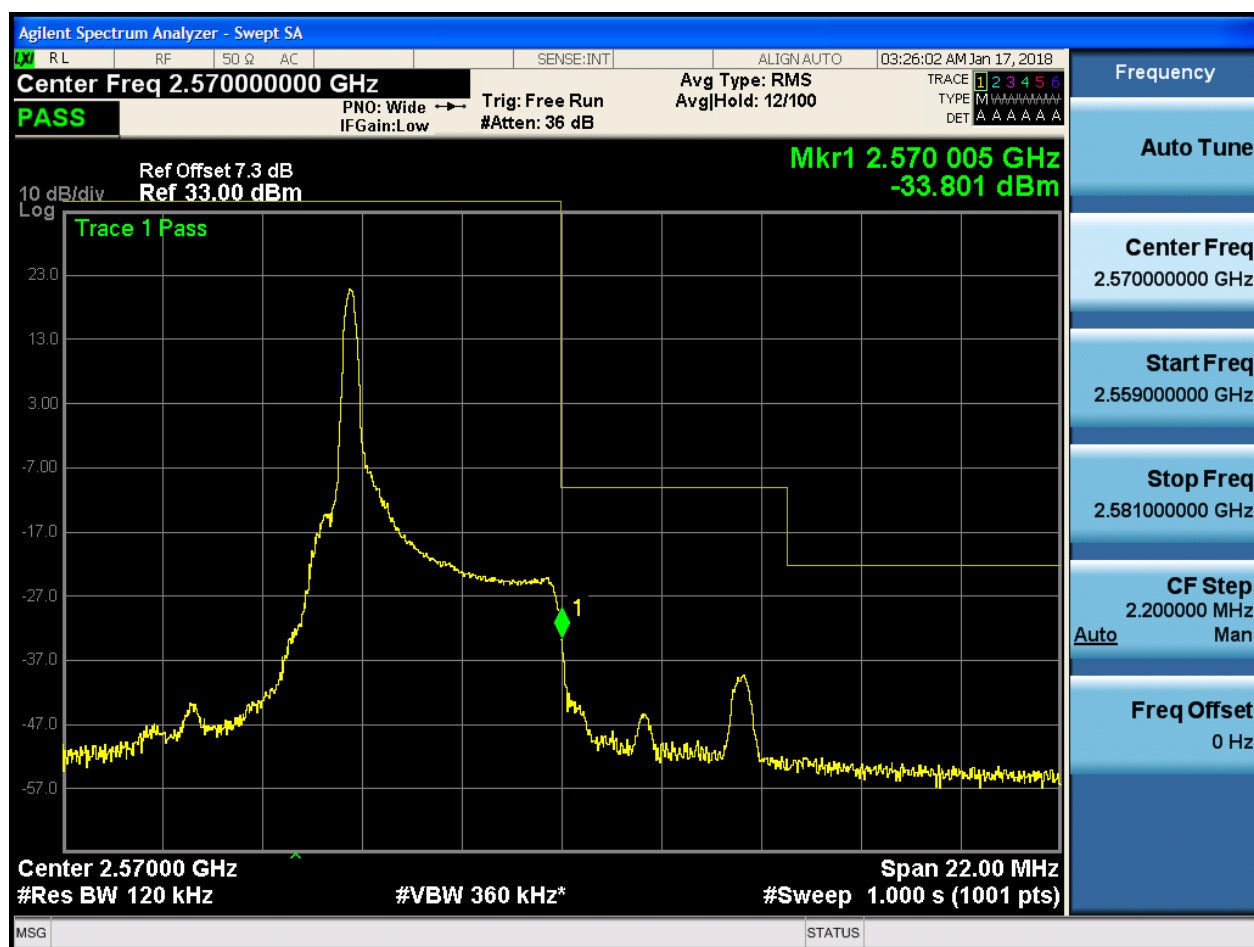


## 5.1.1.1.1.4 Test RB = RB25#0



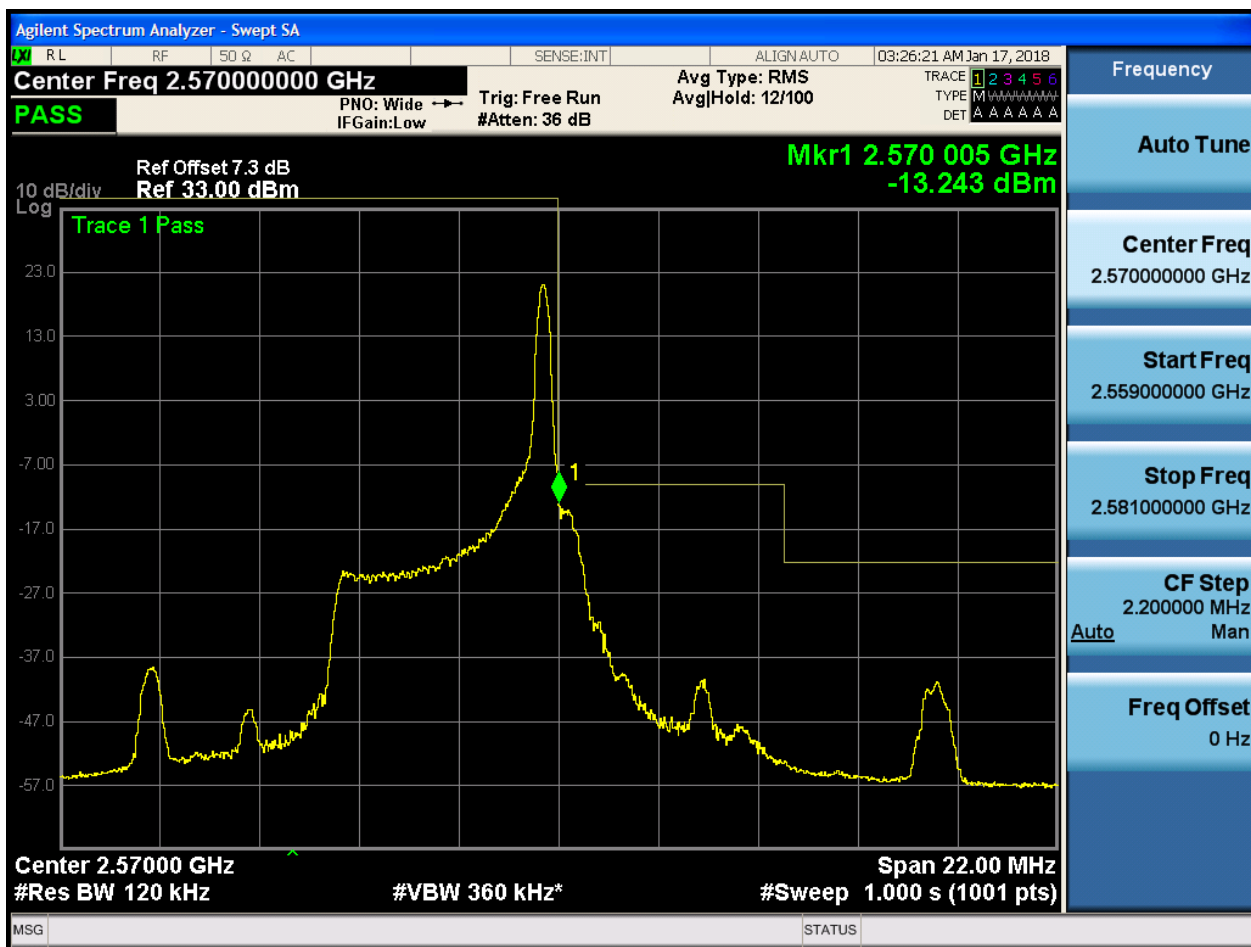
### 5.1.1.1.1.2 Test Channel = HCH

#### 5.1.1.1.1.2.1 Test RB = RB1#0



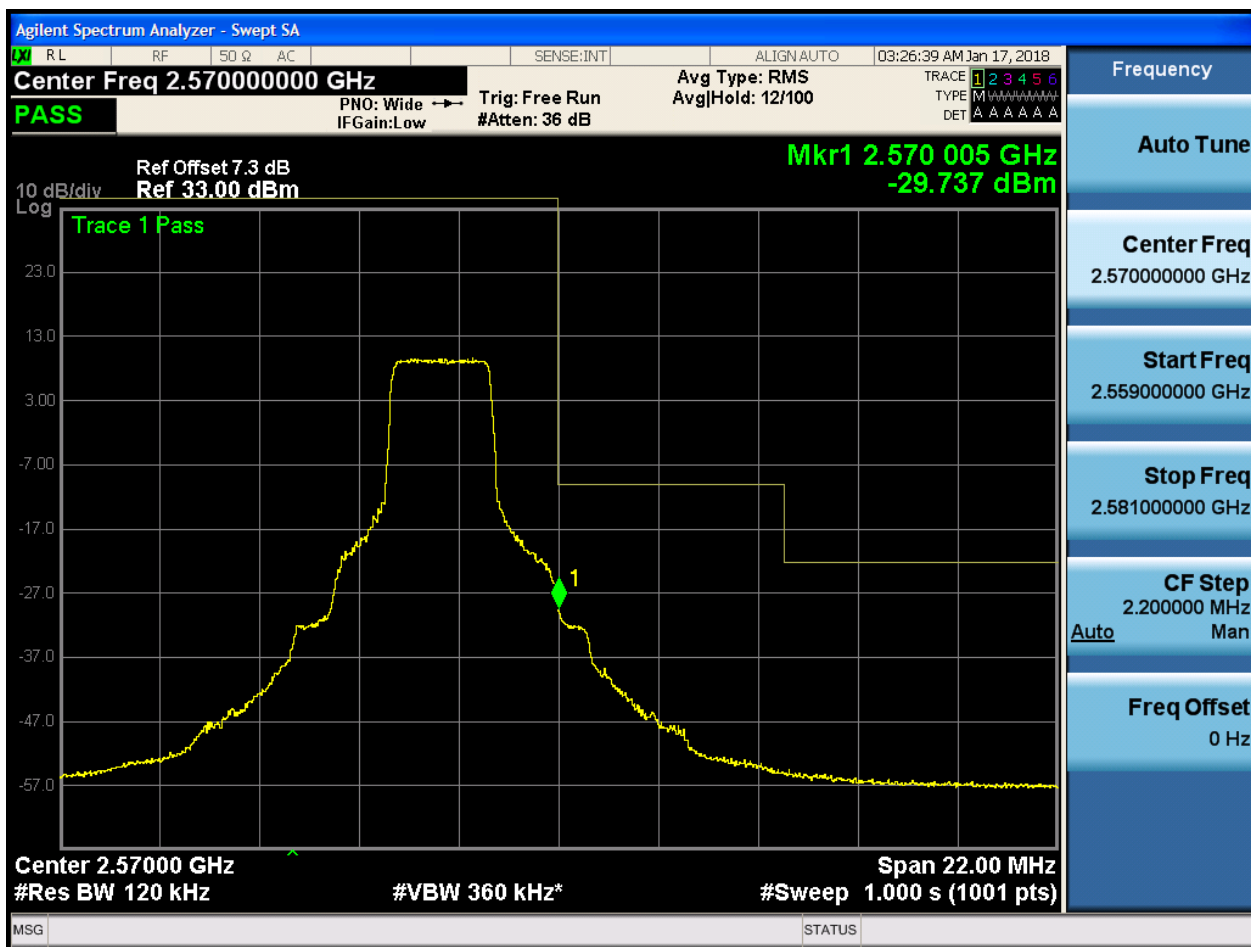


## 5.1.1.1.2.2 Test RB = RB1#24





## 5.1.1.1.2.3 Test RB = RB12#6





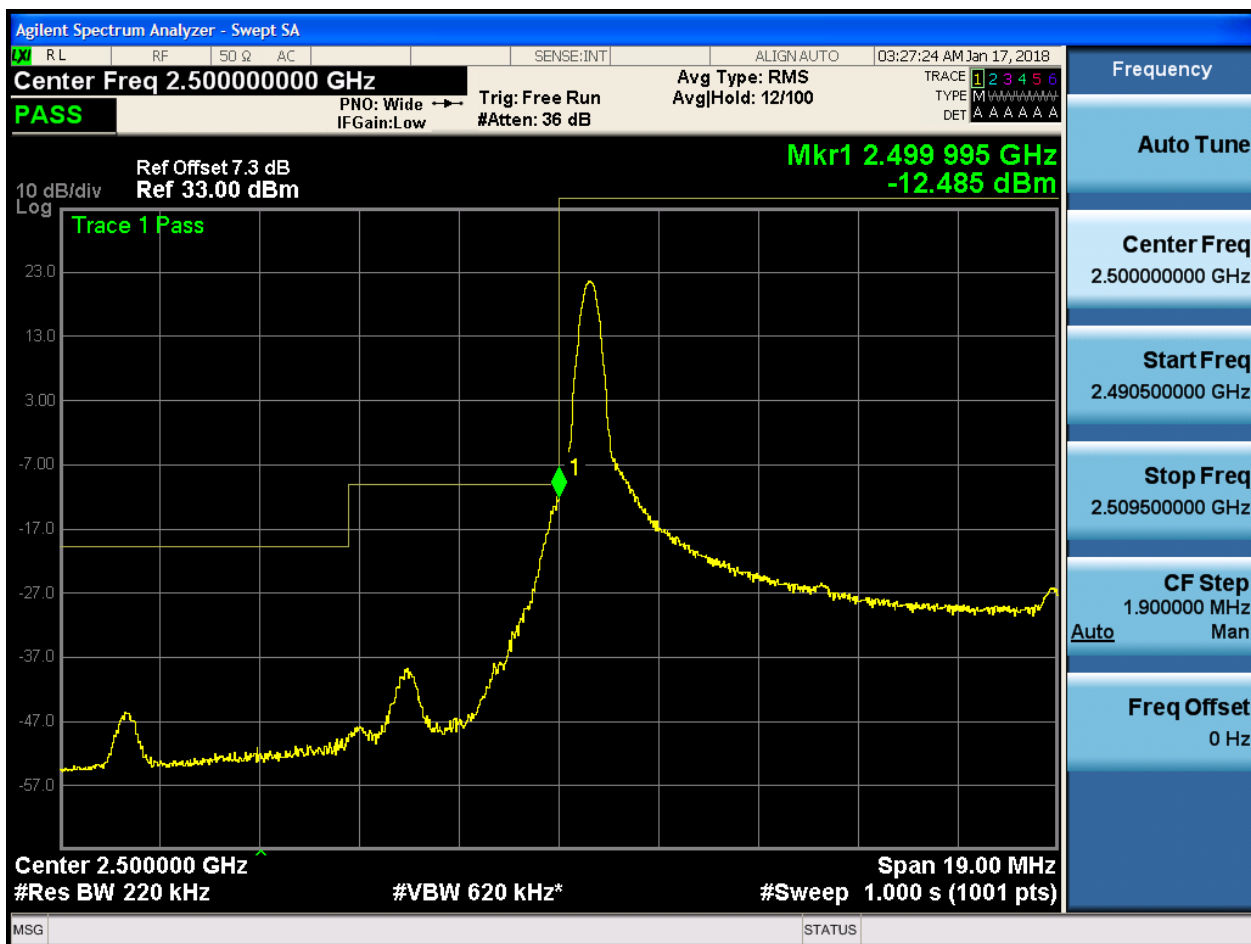
## 5.1.1.1.2.4 Test RB = RB25#0



### 5.1.1.1.2 Test Bandwidth = 10

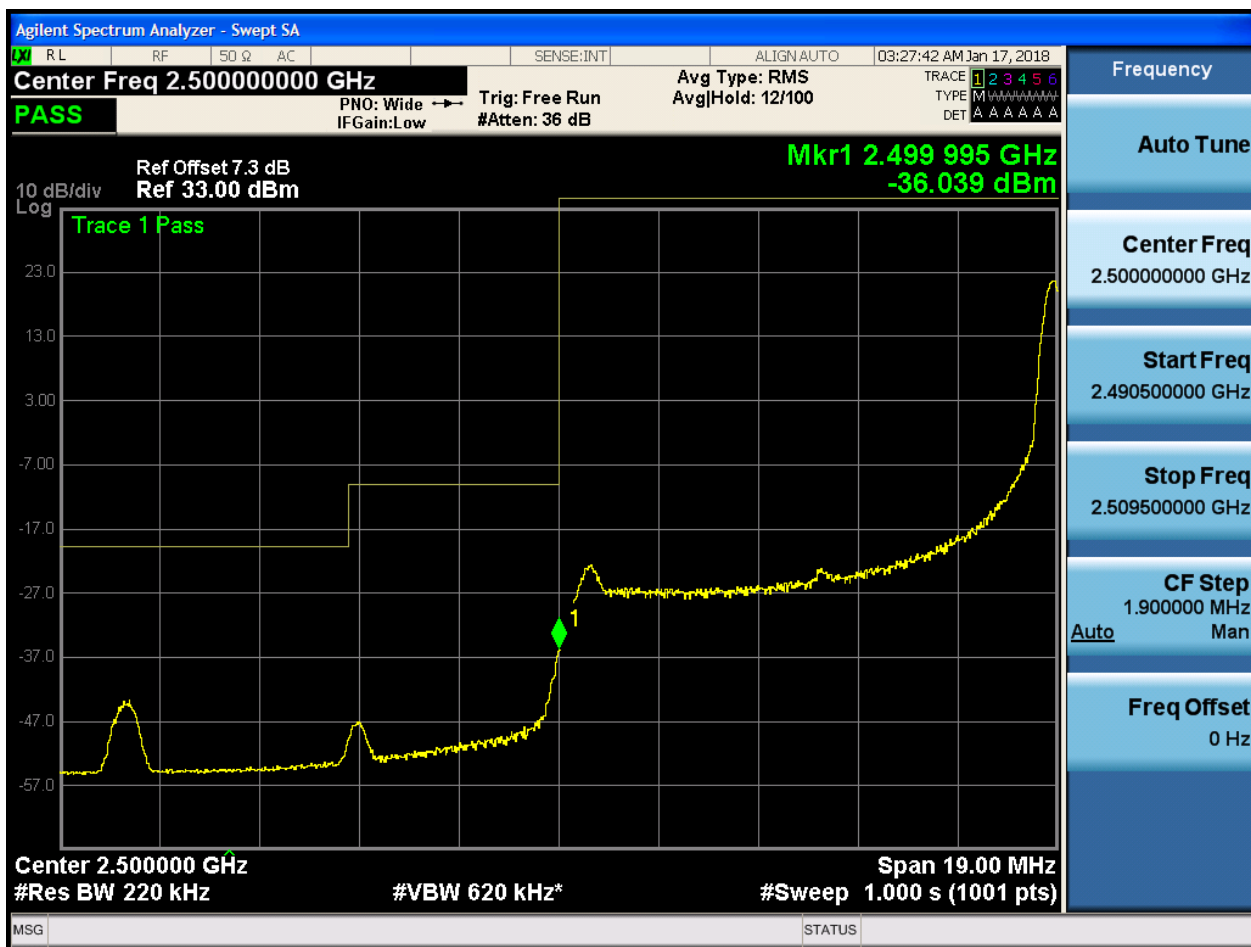
#### 5.1.1.1.2.1 Test Channel = LCH

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



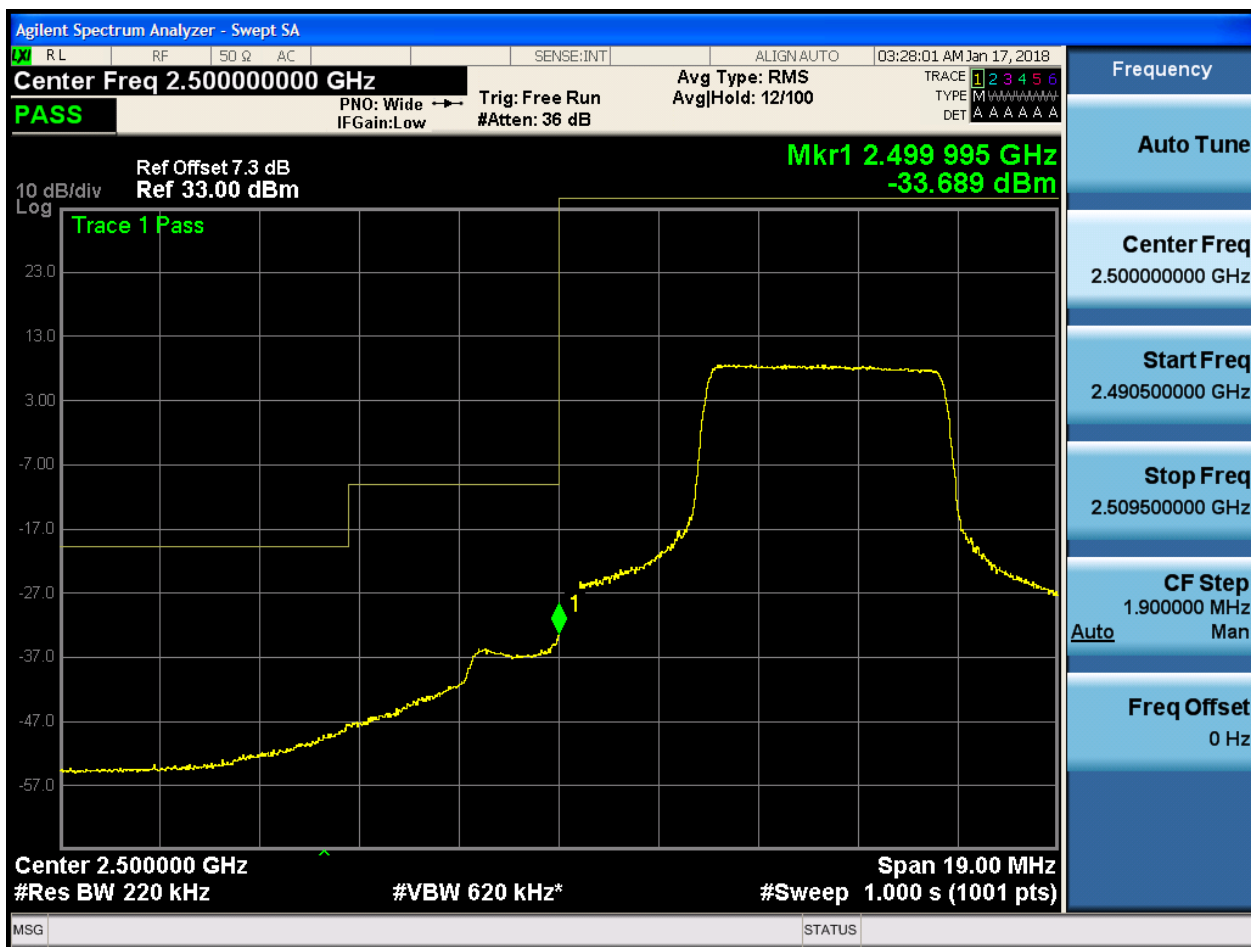


## 5.1.1.1.2.1.2 Test RB = RB1#49



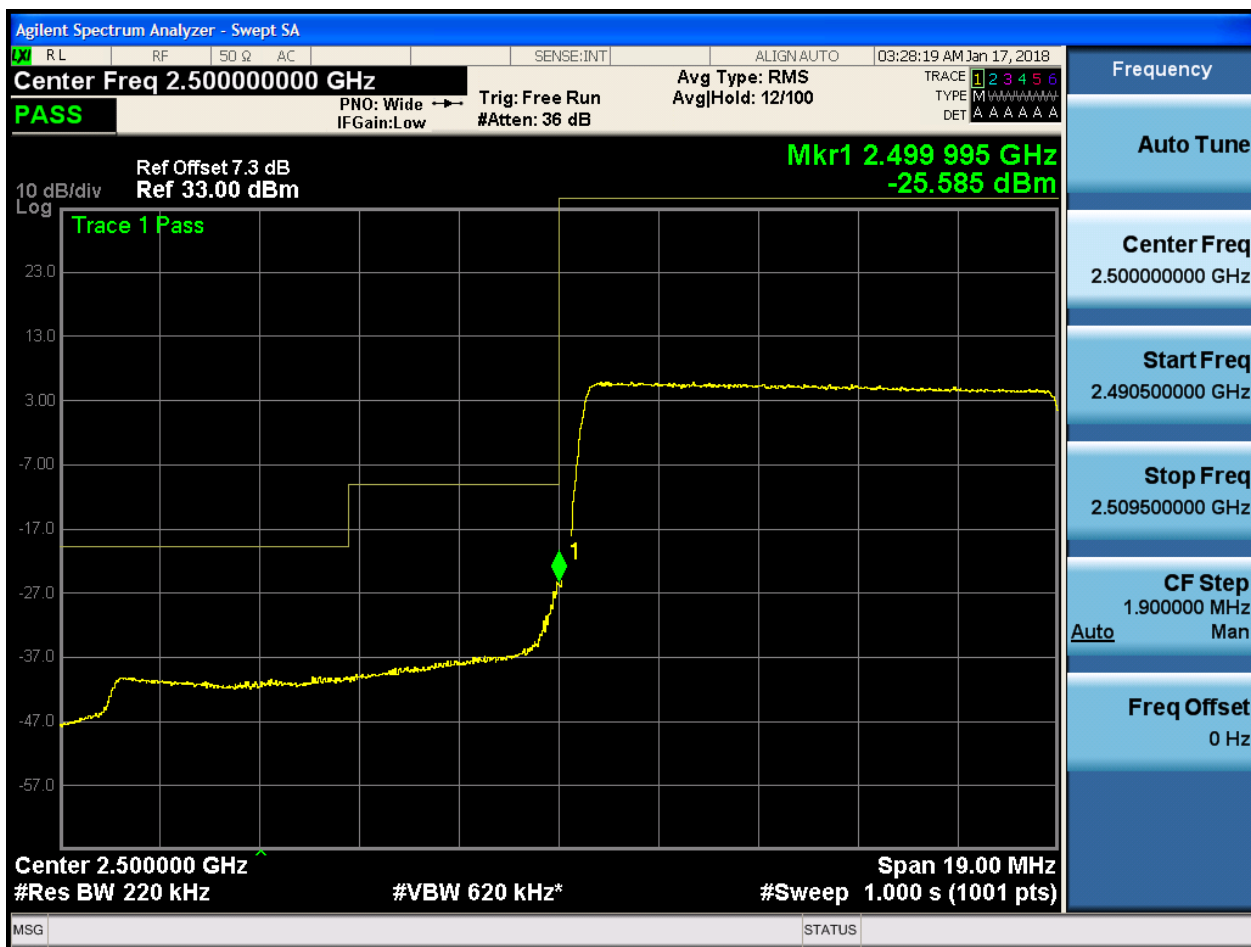


## 5.1.1.1.2.1.3 Test RB = RB25#13



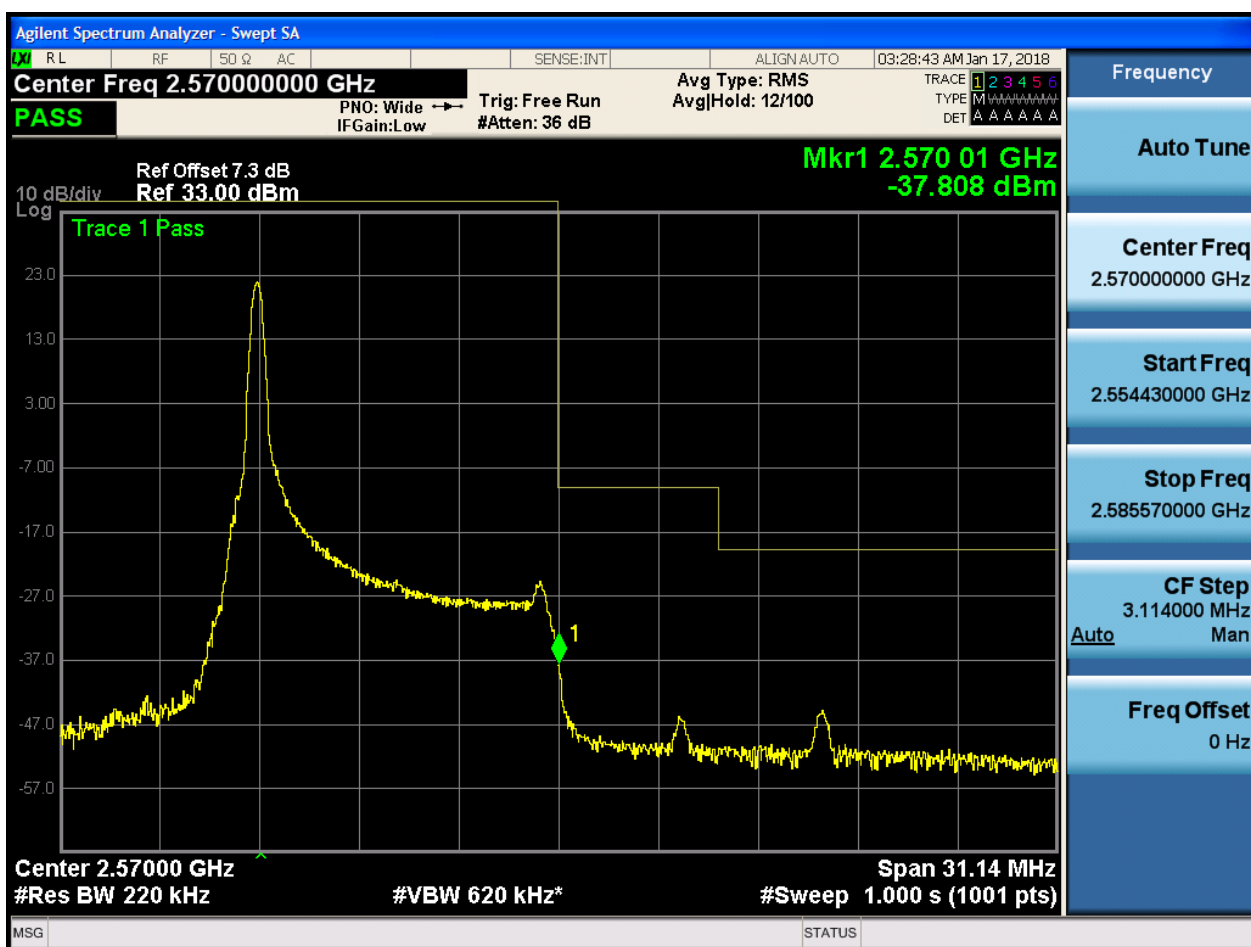


## 5.1.1.1.2.1.4 Test RB = RB50#0



### 5.1.1.1.2.2 Test Channel = HCH

#### 5.1.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 03:29:02 AM Jan 17, 2018

Center Freq 2.570000000 GHz Avg Type: RMS  
PASS PNO: Wide IFGain:Low Trig: Free Run AvgHold: 12/100  
TRACE 1 2 3 4 5 6  
TYPE M W W W W W W W W W  
DET A A A A A A

Ref Offset 7.3 dB  
Ref 33.00 dBm

Mkr1 2.570 01 GHz  
-11.797 dBm

10 dB/div  
Log

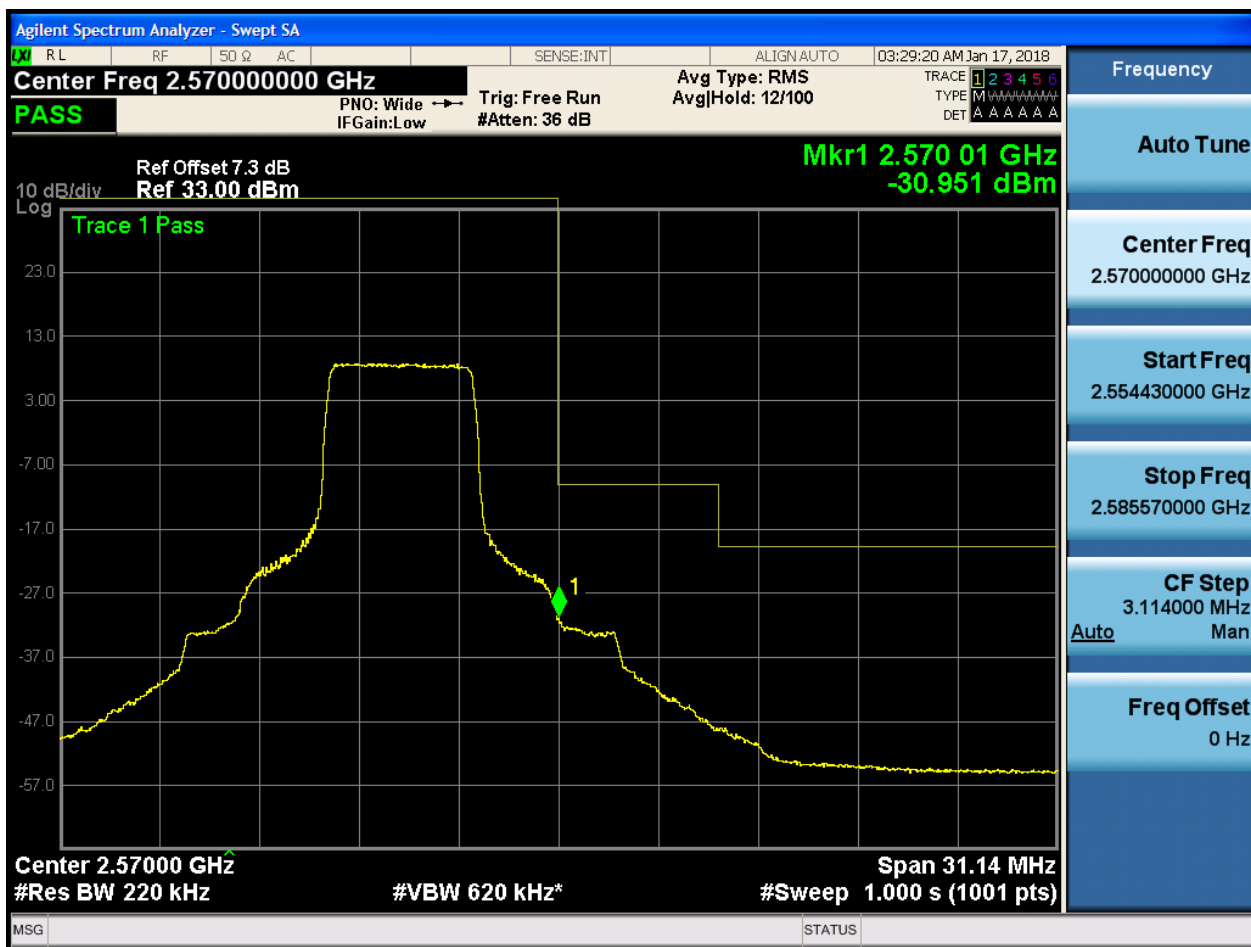
Trace 1 Pass

Center 2.57000 GHz  
#Res BW 220 kHz #VBW 620 kHz\* Span 31.14 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS



## 5.1.1.1.2.2.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO 03:29:39 AM Jan 17, 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 33.00 dBm

Mkr1 2.570 01 GHz  
-26.057 dBm

10 dB/div  
Log

Trace 1 Pass

Center 2.57000 GHz  
#Res BW 220 kHz  
#VBW 620 kHz\*  
Span 31.14 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq  
2.57000000 GHz

Start Freq  
2.554430000 GHz

Stop Freq  
2.585570000 GHz

CF Step  
3.114000 MHz  
Auto Man

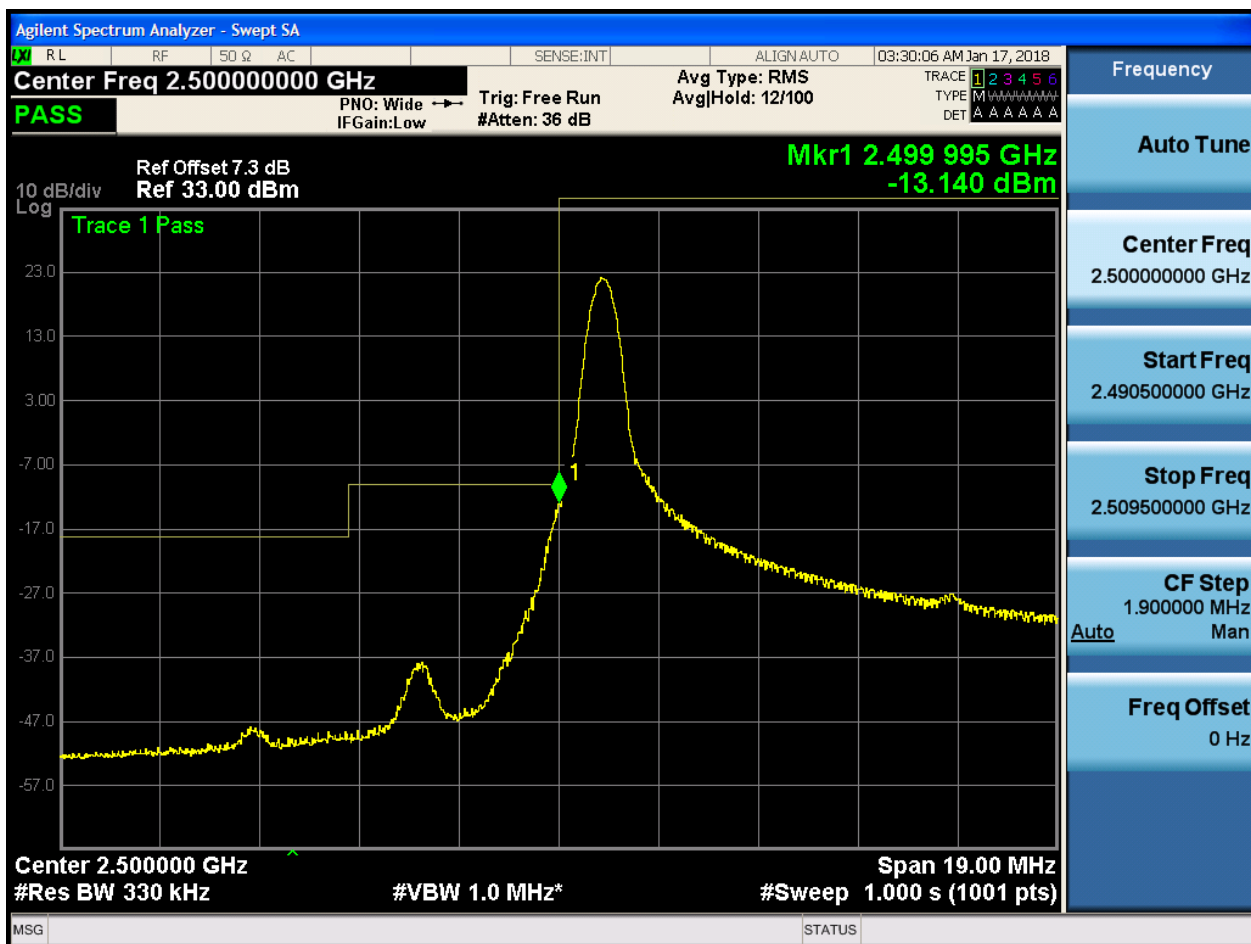
Freq Offset  
0 Hz



## 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

RL RF 50  $\Omega$  AC SENSE:INT ALIGN: AUTO 03:30:25 AM Jan 17, 2018

Center Freq 2.50000000 GHz Avg Type: RMS  
PASS PNO: Wide Trig: Free Run Avg|Hold: 12/100  
IFGain: Low #Atten: 36 dB TYPE M DET A A A A A A

Ref Offset 7.3 dB  
Ref 33.00 dBm

Mkr1 2.499 995 GHz  
-38.235 dBm

10 dB/div  
Log

Trace 1 Pass

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

MSG STATUS

Frequency

Auto Tune

Center Freq  
2.50000000 GHz

Start Freq  
2.490500000 GHz

Stop Freq  
2.509500000 GHz

CF Step  
1.900000 MHz  
Auto Man

Freq Offset  
0 Hz