



## 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 |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
| BAND38         | LTE/TM1   | 5              | LCH          | RB1#0   | 22.51         | 21.71      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.7          | 21.9       | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.27         | 21.47      | 33          | PASS    |
|                |           |                |              | RB12#0  | 22.23         | 21.43      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.39         | 21.59      | 33          | PASS    |
|                |           |                |              | RB12#13 | 22.23         | 21.43      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21            | 20.2       | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.7          | 21.9       | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.83         | 22.03      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.29         | 21.49      | 33          | PASS    |
|                |           |                |              | RB12#0  | 22.54         | 21.74      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.49         | 21.69      | 33          | PASS    |
|                |           |                |              | RB12#13 | 22.29         | 21.49      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                | HCH          | RB25#0  | 21.03         | 20.23      | 33          | PASS    |
|                |           |                |              | RB1#0   | 22.72         | 21.92      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.99         | 22.19      | 33          | PASS    |
|                |           |                |              | RB1#24  | 22.55         | 21.75      | 33          | PASS    |
|                |           |                |              | RB12#0  | 22.62         | 21.82      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22.7          | 21.9       | 33          | PASS    |
|                |           |                |              | RB12#13 | 22.54         | 21.74      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.47         | 20.67      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 23.09         | 22.29      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.49         | 22.69      | 33          | PASS    |
|                |           |                |              | RB1#49  | 23.24         | 22.44      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.28         | 21.48      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.46         | 21.66      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.49         | 21.69      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.39         | 21.59      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.44         | 22.64      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.47         | 22.67      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#49  | 23.05         | 22.25      | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.46         | 21.66      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.36         | 21.56      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.18         | 21.38      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.4          | 21.6       | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.32         | 22.52      | 33          | PASS    |
|                |           |                |              | RB1#25  | 23.62         | 22.82      | 33          | PASS    |
|                |           |                |              | RB1#49  | 23.3          | 22.5       | 33          | PASS    |
|                |           |                |              | RB25#0  | 22.45         | 21.65      | 33          | PASS    |
|                |           |                |              | RB25#13 | 22.54         | 21.74      | 33          | PASS    |
|                |           |                |              | RB25#25 | 22.49         | 21.69      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.55         | 21.75      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 22.96         | 22.16      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.52         | 22.72      | 33          | PASS    |
|                |           |                |              | RB1#74  | 23.02         | 22.22      | 33          | PASS    |
|                |           |                |              | RB38#0  | 22.24         | 21.44      | 33          | PASS    |
|                |           |                |              | RB38#19 | 22.59         | 21.79      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB38#39 | 22.32         | 21.52      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.16         | 21.36      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.13         | 22.33      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.48         | 22.68      | 33          | PASS    |
|                |           |                |              | RB1#74  | 22.88         | 22.08      | 33          | PASS    |
|                |           |                |              | RB38#0  | 22.34         | 21.54      | 33          | PASS    |
|                |           |                |              | RB38#19 | 22.39         | 21.59      | 33          | PASS    |
|                |           |                |              | RB38#39 | 22.14         | 21.34      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.26         | 21.46      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.11         | 22.31      | 33          | PASS    |
|                |           |                |              | RB1#38  | 23.54         | 22.74      | 33          | PASS    |
|                |           |                |              | RB1#74  | 23.15         | 22.35      | 33          | PASS    |
|                |           |                |              | RB38#0  | 22.22         | 21.42      | 33          | PASS    |
|                |           |                |              | RB38#19 | 22.44         | 21.64      | 33          | PASS    |
|                |           |                |              | RB38#39 | 22.46         | 21.66      | 33          | PASS    |
|                |           |                |              | RB75#0  | 22.39         | 21.59      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 22.84         | 22.04      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#50  | 23.33         | 22.53      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.83         | 22.03      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.43         | 21.63      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.58         | 21.78      | 33          | PASS    |
|                |           |                |              | RB50#50 | 22.55         | 21.75      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.49         | 21.69      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.03         | 22.23      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.24         | 22.44      | 33          | PASS    |
|                |           |                |              | RB1#99  | 22.79         | 21.99      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.56         | 21.76      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.63         | 21.83      | 33          | PASS    |
|                |           |                |              | RB50#50 | 22.27         | 21.47      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.49         | 21.69      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.03         | 22.23      | 33          | PASS    |
|                |           |                |              | RB1#50  | 23.31         | 22.51      | 33          | PASS    |
|                |           |                |              | RB1#99  | 23.04         | 22.24      | 33          | PASS    |
|                |           |                |              | RB50#0  | 22.45         | 21.65      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#25 | 22.47         | 21.67      | 33          | PASS    |
|                |           |                |              | RB50#50 | 22.65         | 21.85      | 33          | PASS    |
|                |           |                |              | RB100#0 | 22.55         | 21.75      | 33          | PASS    |
|                | LTE/TM2   | 5              | LCH          | RB1#0   | 21.33         | 20.53      | 33          | PASS    |
|                |           |                |              | RB1#13  | 21.58         | 20.78      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.16         | 20.36      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.46         | 20.66      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.62         | 20.82      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.46         | 20.66      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.89         | 20.09      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.95         | 21.15      | 33          | PASS    |
|                |           |                |              | RB1#13  | 22.08         | 21.28      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.53         | 20.73      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.85         | 21.05      | 33          | PASS    |
|                |           |                |              | RB12#6  | 21.79         | 20.99      | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.55         | 20.75      | 33          | PASS    |
|                |           |                |              | RB25#0  | 20.94         | 20.14      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 21.64         | 20.84      | 33          | PASS    |
|                |           |                |              | RB1#13  | 21.87         | 21.07      | 33          | PASS    |
|                |           |                |              | RB1#24  | 21.41         | 20.61      | 33          | PASS    |
|                |           |                |              | RB12#0  | 21.92         | 21.12      | 33          | PASS    |
|                |           |                |              | RB12#6  | 22            | 21.2       | 33          | PASS    |
|                |           |                |              | RB12#13 | 21.83         | 21.03      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.36         | 20.56      | 33          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 21.02         | 20.22      | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.48         | 20.68      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.16         | 20.36      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.57         | 20.77      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.73         | 20.93      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.75         | 20.95      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.68         | 20.88      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.51         | 20.71      | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.57         | 20.77      | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.04         | 20.24      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB25#0  | 21.77         | 20.97      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.66         | 20.86      | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.56         | 20.76      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.74         | 20.94      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.2          | 20.4       | 33          | PASS    |
|                |           |                |              | RB1#25  | 21.6          | 20.8       | 33          | PASS    |
|                |           |                |              | RB1#49  | 21.33         | 20.53      | 33          | PASS    |
|                |           |                |              | RB25#0  | 21.79         | 20.99      | 33          | PASS    |
|                |           |                |              | RB25#13 | 21.8          | 21         | 33          | PASS    |
|                |           |                |              | RB25#25 | 21.76         | 20.96      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.84         | 21.04      | 33          | PASS    |
|                |           | 15             | LCH          | RB1#0   | 20.96         | 20.16      | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.65         | 20.85      | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.03         | 20.23      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.59         | 20.79      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.89         | 21.09      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.72         | 20.92      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB75#0  | 21.59         | 20.79      | 33          | PASS    |
|                |           |                |              | RB1#0   | 21.22         | 20.42      | 33          | PASS    |
|                |           |                | MCH          | RB1#38  | 21.55         | 20.75      | 33          | PASS    |
|                |           |                |              | RB1#74  | 20.82         | 20.02      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.63         | 20.83      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.61         | 20.81      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.44         | 20.64      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.51         | 20.71      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 20.95         | 20.15      | 33          | PASS    |
|                |           |                |              | RB1#38  | 21.4          | 20.6       | 33          | PASS    |
|                |           |                |              | RB1#74  | 21.12         | 20.32      | 33          | PASS    |
|                |           |                |              | RB38#0  | 21.64         | 20.84      | 33          | PASS    |
|                |           |                |              | RB38#19 | 21.85         | 21.05      | 33          | PASS    |
|                |           |                |              | RB38#39 | 21.81         | 21.01      | 33          | PASS    |
|                |           |                |              | RB75#0  | 21.79         | 20.99      | 33          | PASS    |
|                |           | 20             | LCH          | RB1#0   | 21.54         | 20.74      | 33          | PASS    |
|                |           |                |              | RB1#50  | 22.14         | 21.34      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB1#99  | 21.63         | 20.83      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.82         | 21.02      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.93         | 21.13      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.89         | 21.09      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.72         | 20.92      | 33          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.7          | 20.9       | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.87         | 21.07      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.38         | 20.58      | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.94         | 21.14      | 33          | PASS    |
|                |           |                |              | RB50#25 | 22.02         | 21.22      | 33          | PASS    |
|                |           |                |              | RB50#50 | 21.71         | 20.91      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.82         | 21.02      | 33          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.73         | 20.93      | 33          | PASS    |
|                |           |                |              | RB1#50  | 21.95         | 21.15      | 33          | PASS    |
|                |           |                |              | RB1#99  | 21.8          | 21         | 33          | PASS    |
|                |           |                |              | RB50#0  | 21.71         | 20.91      | 33          | PASS    |
|                |           |                |              | RB50#25 | 21.81         | 21.01      | 33          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|------------|-------------|---------|
|                |           |                |              | RB50#50 | 21.93         | 21.13      | 33          | PASS    |
|                |           |                |              | RB100#0 | 21.86         | 21.06      | 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:

SET Span=1.5\*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3\*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 |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND38             | LTE/TM1   | 5                    | LCH          | RB1#0   | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.63         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.07         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.24         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.46         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.21         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.22         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.63         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.09         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.08         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.37         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.3          | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.59         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.01         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.67         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.96         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#49  | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.43         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.22         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.24         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 3.87         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.05         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5            | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.06         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.67         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 4.31         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.4          | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.66         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.45         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.78         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.11         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.52         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.57         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.4          | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.7          | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.32         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 4.21         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.12         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 5.89         | 13         | PASS    |
|                    |           | 20                   | LCH          | RB1#0   | 4.33         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.5          | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.54         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.55         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.4          | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB100#0 | 6.35         | 13         | PASS    |
|                    |           |                      |              | RB1#0   | 4.48         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#50  | 4.42         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.56         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.58         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.91         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.92         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.15         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 4.23         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 4.37         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.32         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.15         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 5.8          | 13         | PASS    |
|                    | LTE/TM2   | 5                    | LCH          | RB1#0   | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.62         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 6.02         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.96         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.02         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.75         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 6.32         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 6.28         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 6.47         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 6.49         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 6.23         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.85         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.4          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.58         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.47         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.63         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.37         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#0  | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.83         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.95         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.15         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.42         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.5          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.29         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.81         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.67         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.32         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.97         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.26         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.35         | 13         | PASS    |
|                    |           | 15                   | LCH          | RB1#0   | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.82         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.44         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.13         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.38         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 6.19         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.69         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.21         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 6.75         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.93         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 7.36         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB1#38  | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB1#74  | 5.73         | 13         | PASS    |
|                    |           |                      |              | RB38#0  | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB38#19 | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB38#39 | 5.63         | 13         | PASS    |
|                    |           |                      |              | RB75#0  | 6.72         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           | 20                   | LCH          | RB1#0   | 5.4          | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 6.19         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.96         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.29         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.13         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.93         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.95         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 6.31         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 6.12         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.92         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB1#50  | 5.19         | 13         | PASS    |
|                    |           |                      |              | RB1#99  | 5.2          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.07         | 13         | PASS    |
|                    |           |                      |              | RB50#25 | 5.97         | 13         | PASS    |
|                    |           |                      |              | RB50#50 | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB100#0 | 6.38         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

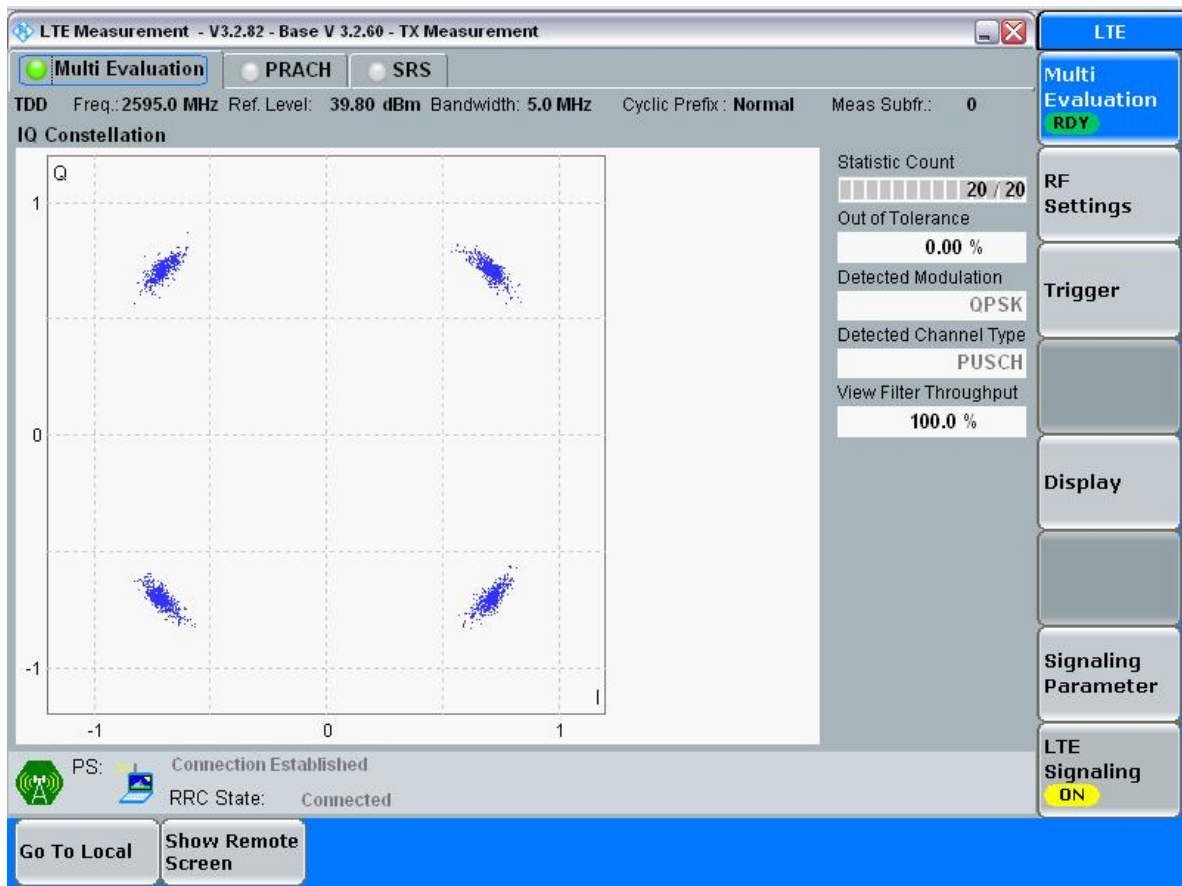
#### 3.1.2 Test Band = BAND38

##### 3.1.2.1 Test Mode = LTE/TM1

##### 3.1.2.1.1 Test Bandwidth = 5

##### 3.1.2.1.1.1 Test Channel = MCH

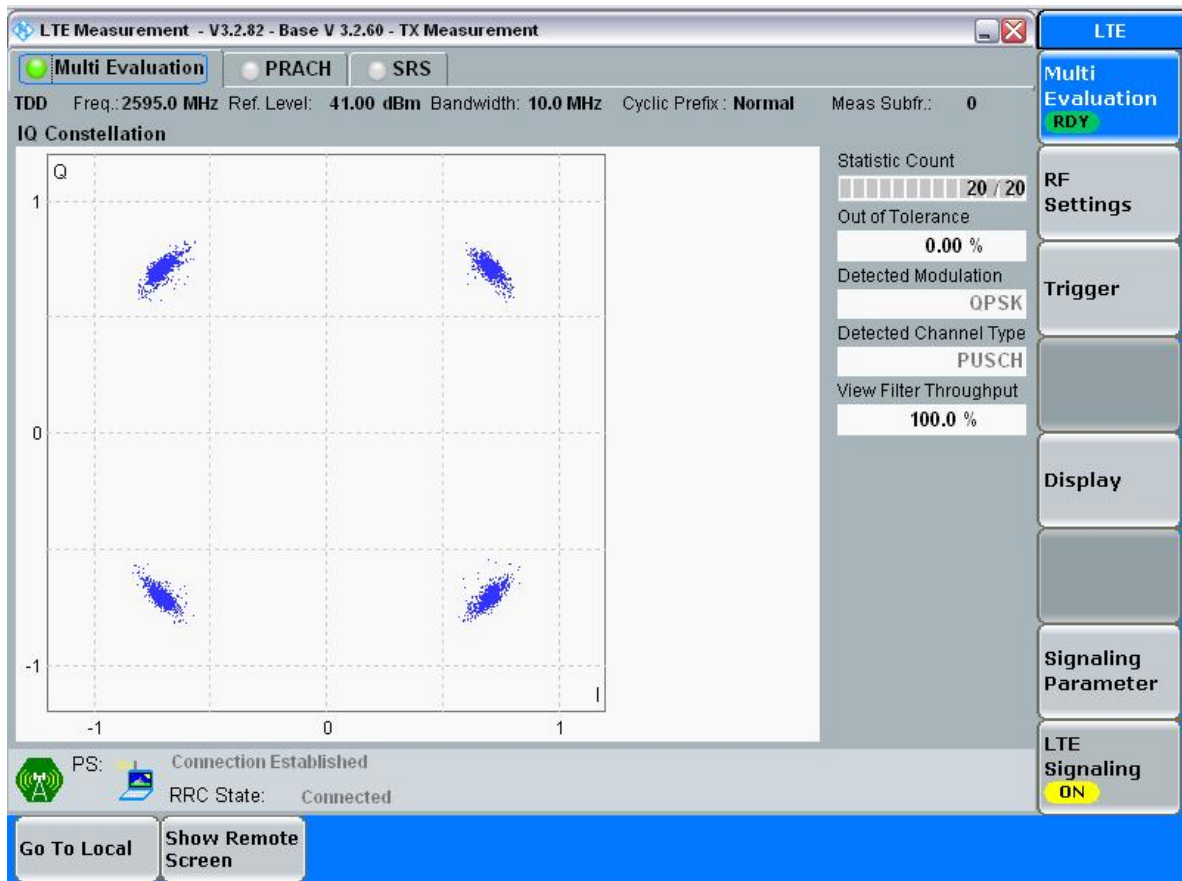
##### 3.1.2.1.1.1.1 Test RB = RB25#0



### 3.1.2.1.2 Test Bandwidth = 10

#### 3.1.2.1.2.1 Test Channel = MCH

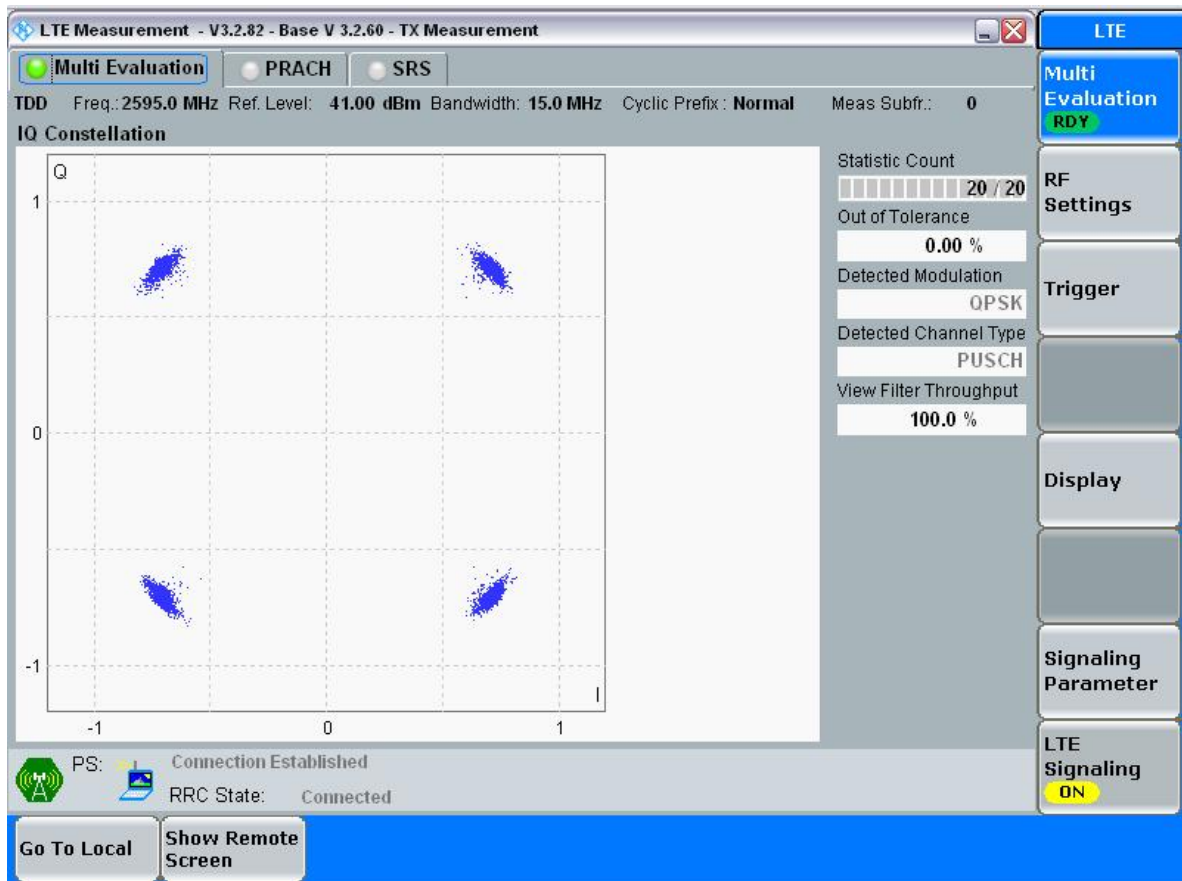
##### 3.1.2.1.2.1.1 Test RB = RB50#0



### 3.1.2.1.3 Test Bandwidth = 15

#### 3.1.2.1.3.1 Test Channel = MCH

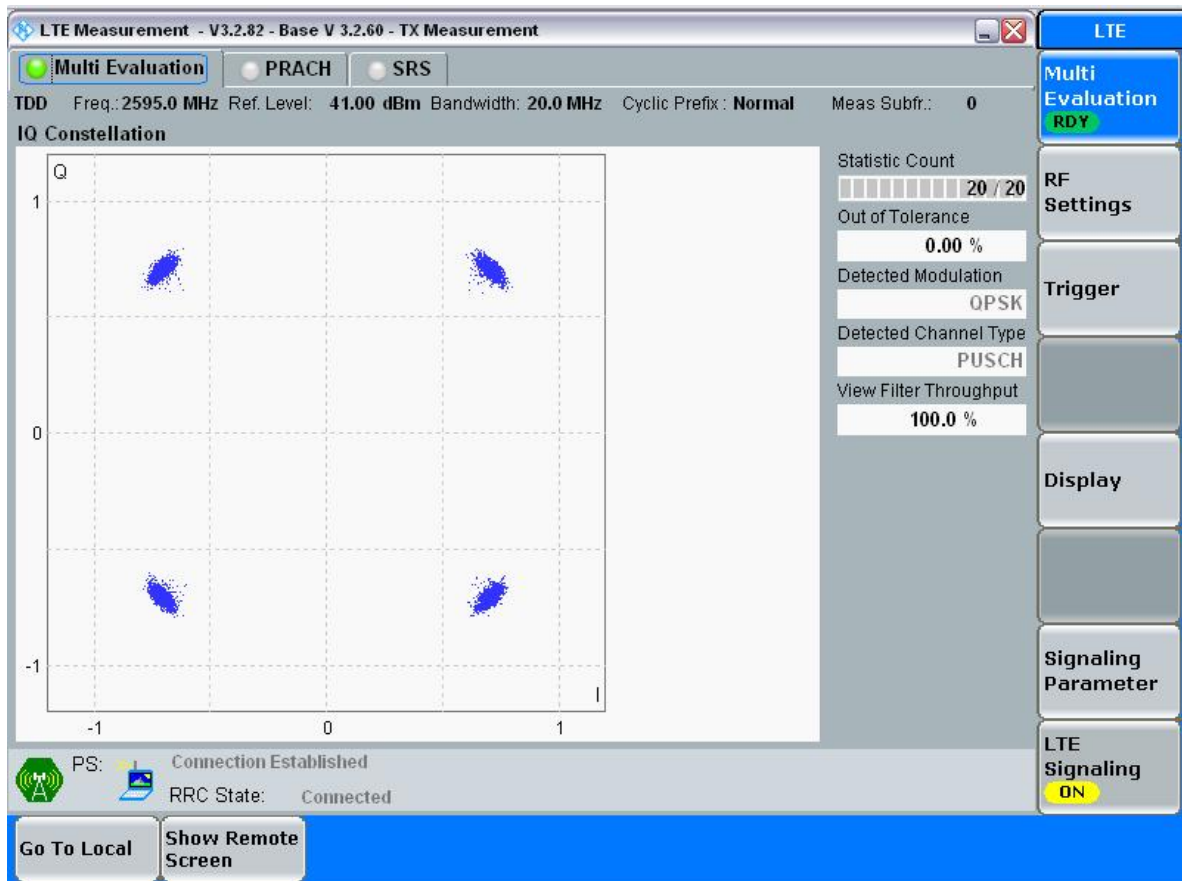
##### 3.1.2.1.3.1.1 Test RB = RB75#0



### 3.1.2.1.4 Test Bandwidth = 20

#### 3.1.2.1.4.1 Test Channel = MCH

##### 3.1.2.1.4.1.1 Test RB = RB100#0

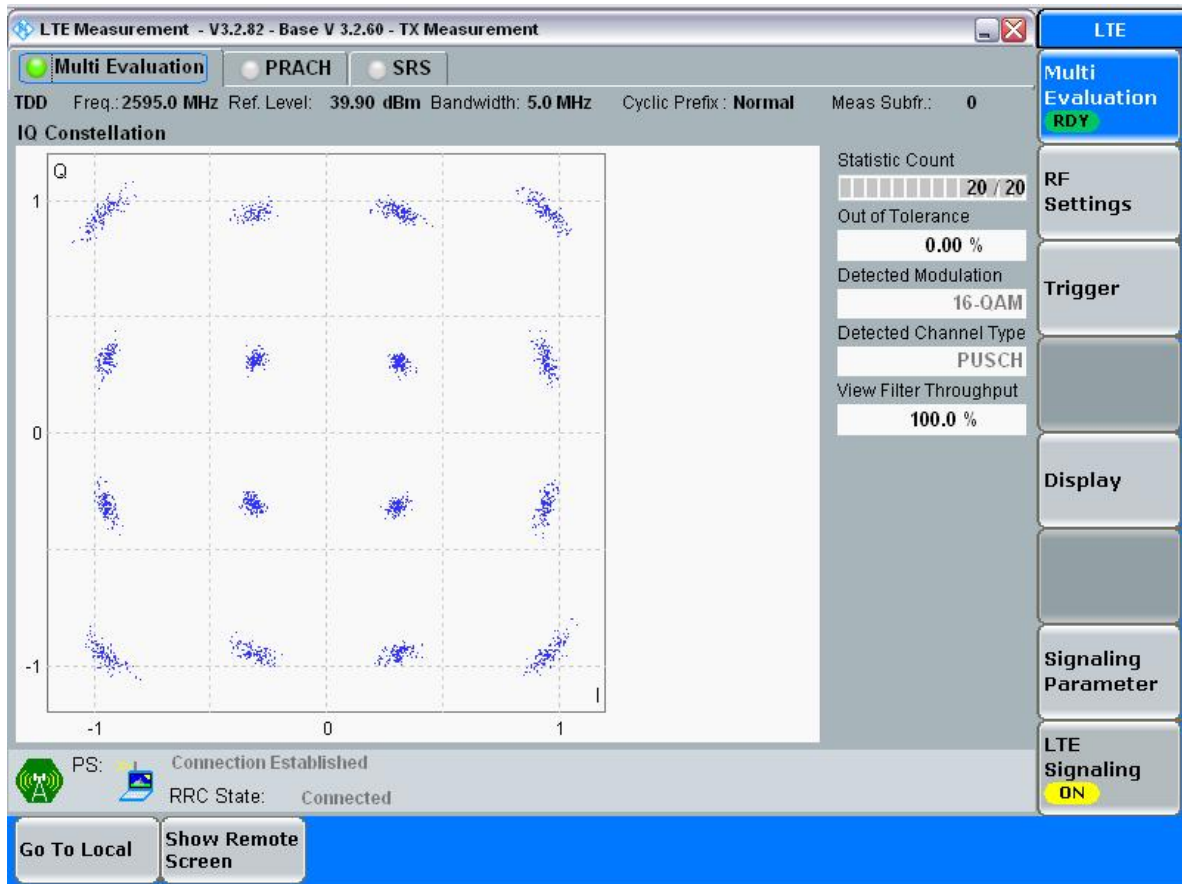


### 3.1.2.2 Test Mode = LTE/TM2

#### 3.1.2.2.1 Test Bandwidth = 5

##### 3.1.2.2.1.1 Test Channel = MCH

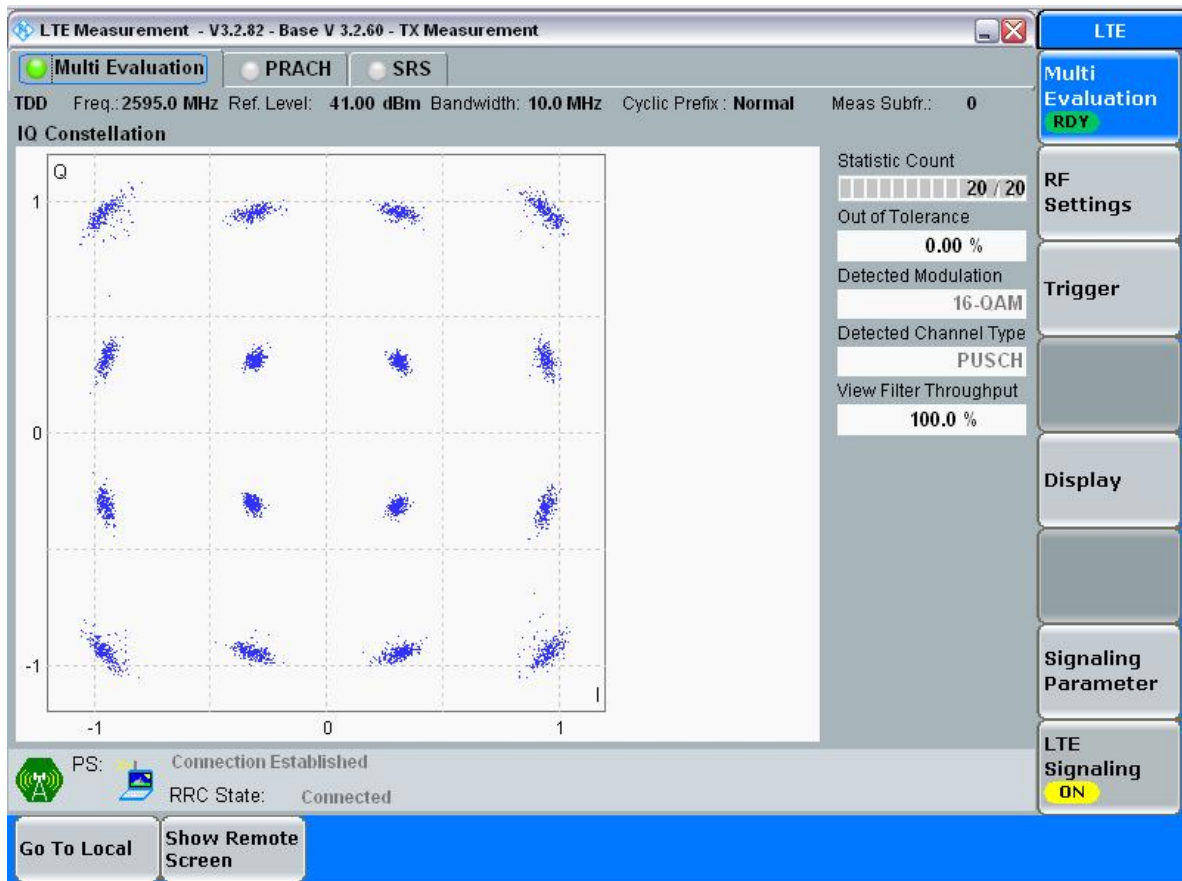
##### 3.1.2.2.1.1.1 Test RB = RB25#0



### 3.1.2.2.2 Test Bandwidth = 10

#### 3.1.2.2.2.1 Test Channel = MCH

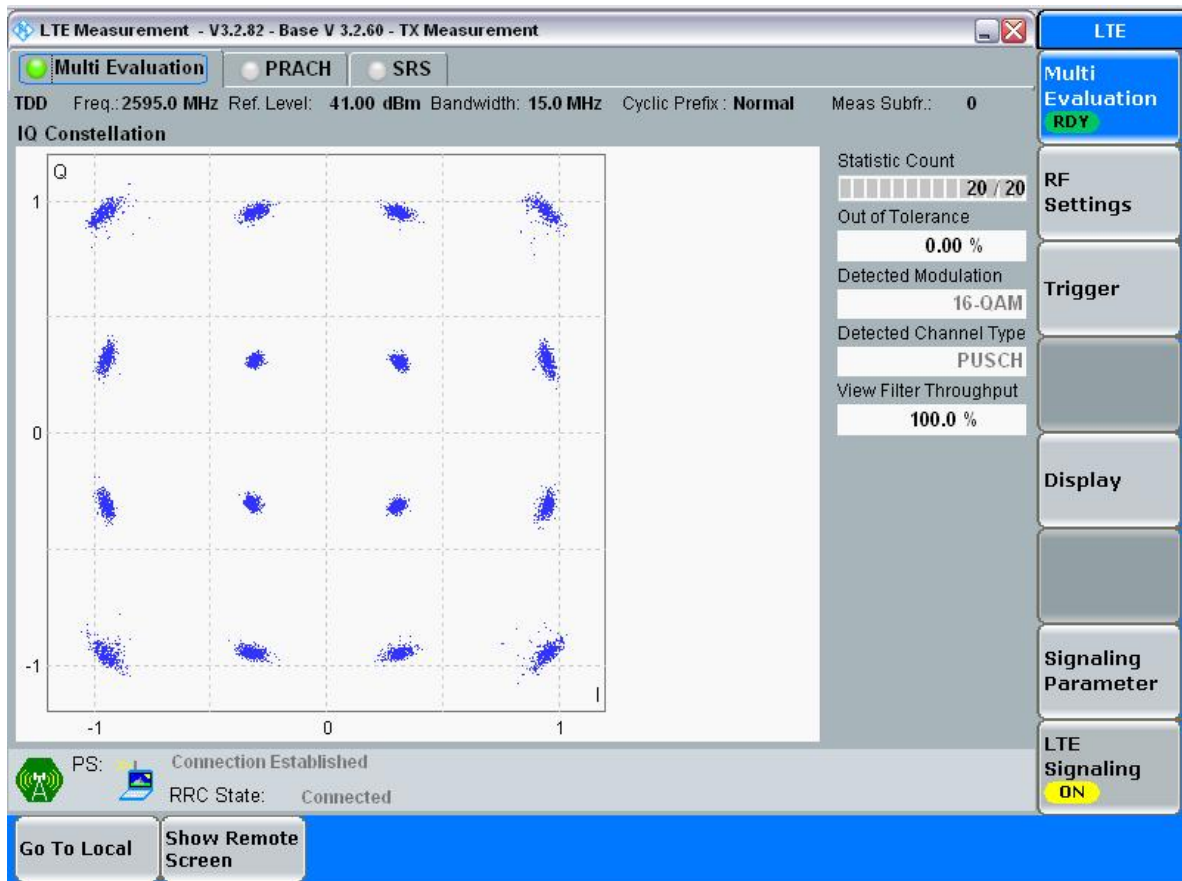
##### 3.1.2.2.2.1.1 Test RB = RB50#0



### 3.1.2.2.3 Test Bandwidth = 15

#### 3.1.2.2.3.1 Test Channel = MCH

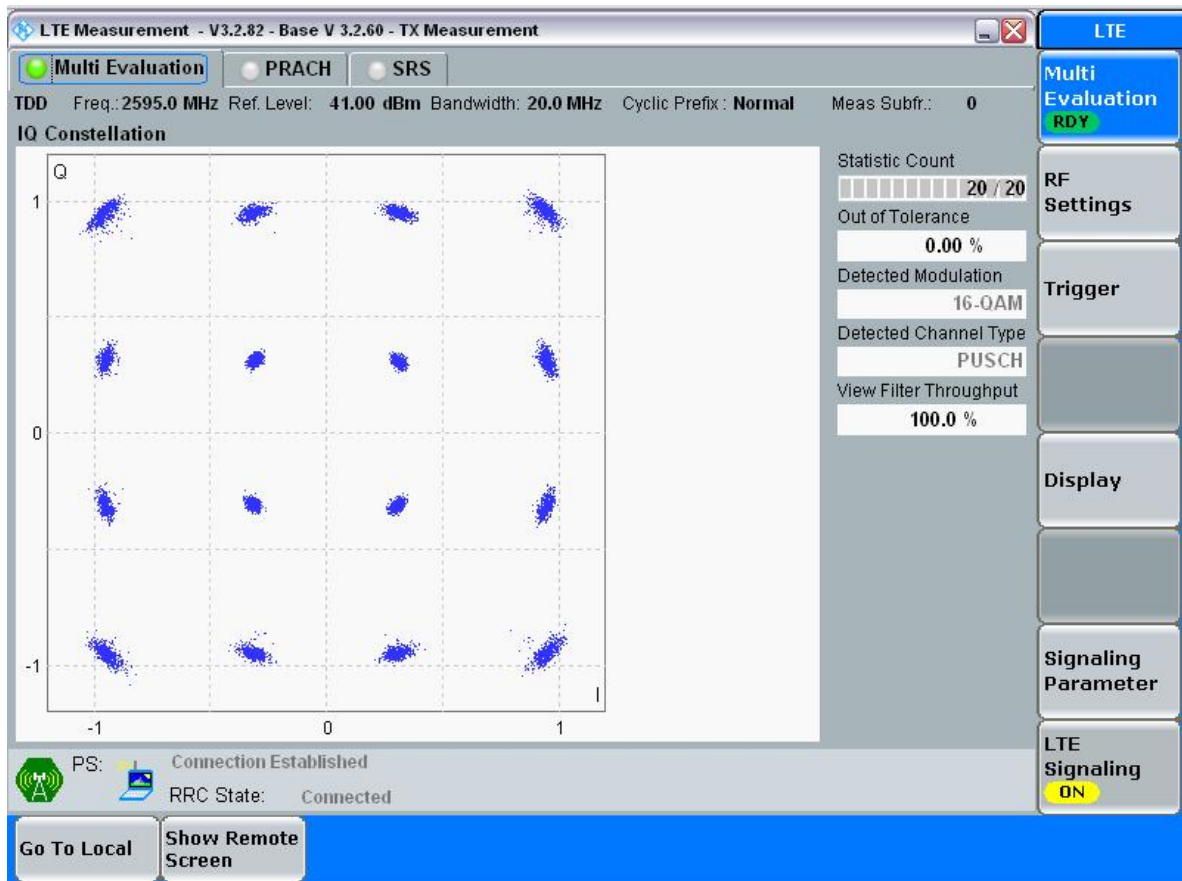
##### 3.1.2.2.3.1.1 Test RB = RB75#0



### 3.1.2.2.4 Test Bandwidth = 20

#### 3.1.2.2.4.1 Test Channel = MCH

##### 3.1.2.2.4.1.1 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 |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| BAND38    | LTE/TM1   | 5              | LCH          | RB25#0  | 4.50                     | 4.84                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.50                     | 4.87                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.49                     | 4.88                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.98                     | 9.62                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.97                     | 9.65                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.96                     | 9.59                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.47                    | 14.36                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.47                    | 14.30                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.44                    | 14.38                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.98                    | 19.05                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.93                    | 19.03                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.94                    | 18.95                    | Pass    |
|           | LTE/TM2   | 5              | LCH          | RB25#0  | 4.50                     | 4.86                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.51                     | 4.86                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.49                     | 4.86                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.96                     | 9.59                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.97                     | 9.58                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.97                     | 9.64                     | Pass    |
|           |           | 15             | LCH          | RB75#0  | 13.47                    | 14.26                    | Pass    |
|           |           |                | MCH          | RB75#0  | 13.47                    | 14.34                    | Pass    |
|           |           |                | HCH          | RB75#0  | 13.44                    | 14.30                    | Pass    |
|           |           | 20             | LCH          | RB100#0 | 17.98                    | 19.06                    | Pass    |
|           |           |                | MCH          | RB100#0 | 17.94                    | 19.04                    | Pass    |
|           |           |                | HCH          | RB100#0 | 17.93                    | 19.06                    | Pass    |

## Part II - Test Plots

### 4.1 For LTE

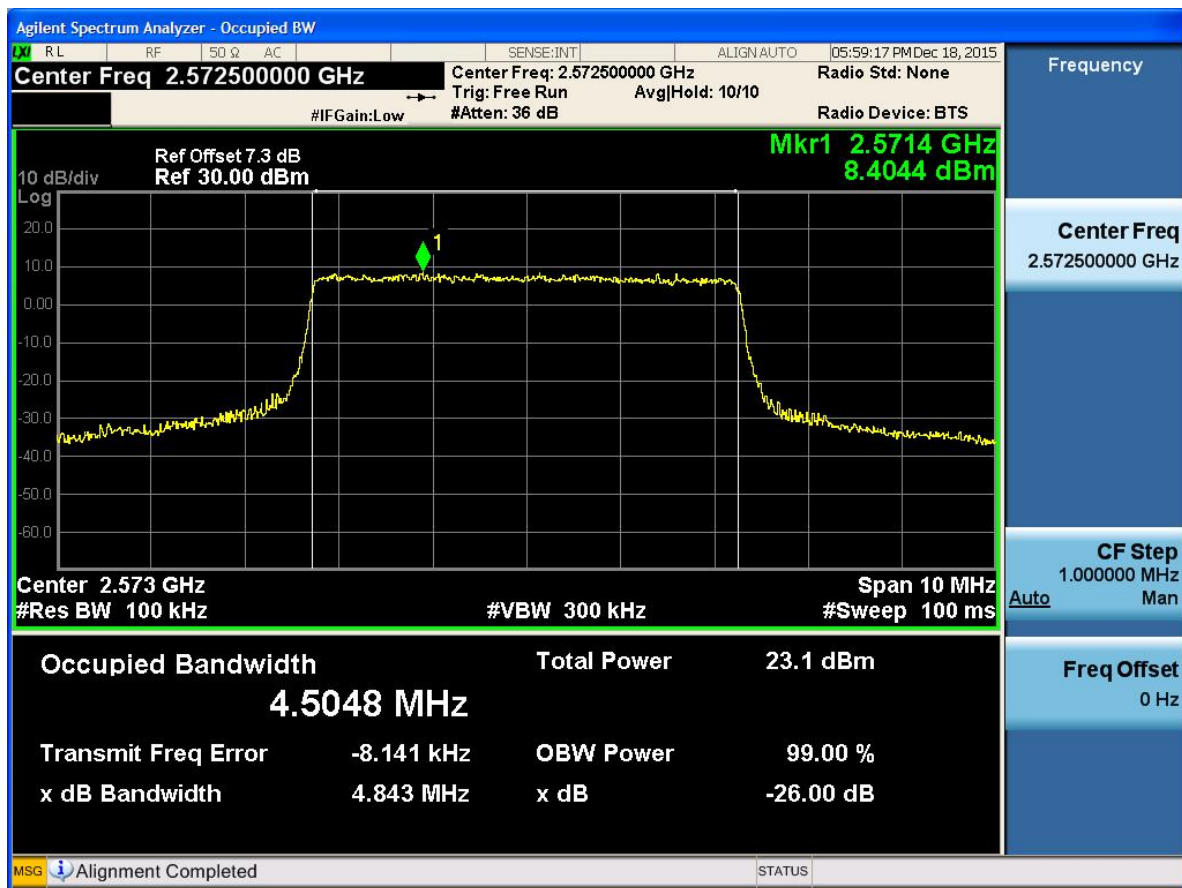
#### 4.1.1 Test Band = BAND38

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

##### 4.1.1.1.1 Test Bandwidth = 5

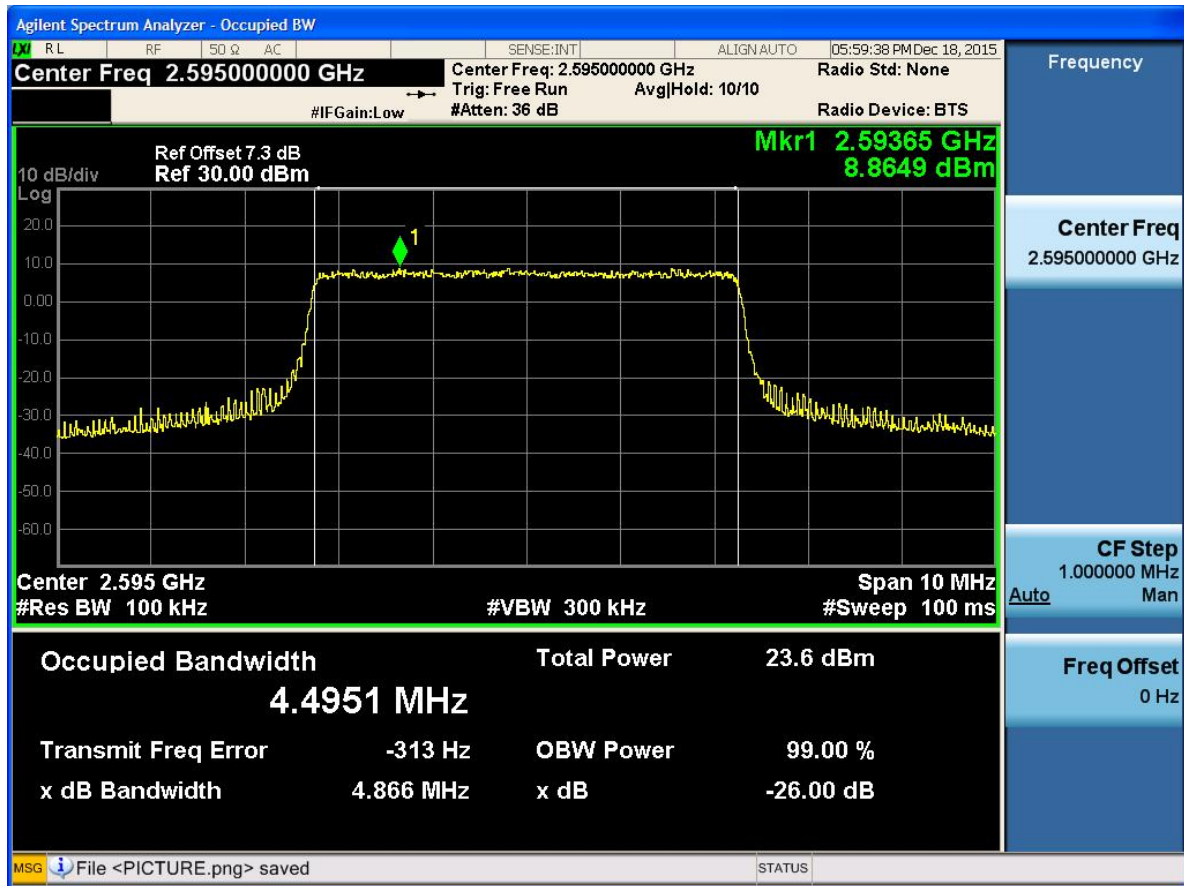
##### 4.1.1.1.1.1 Test Channel = LCH

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



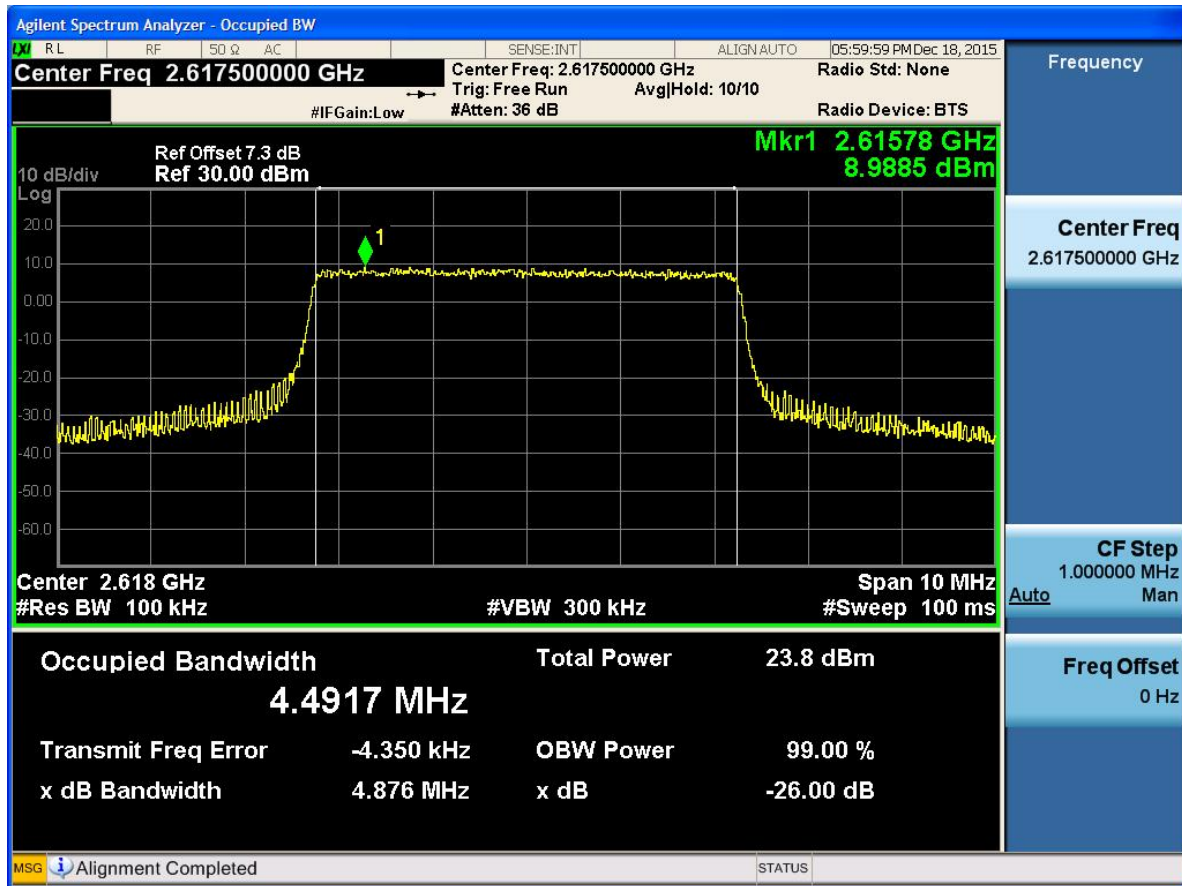
#### 4.1.1.1.1.2 Test Channel = MCH

##### 4.1.1.1.1.2.1 Test RB = RB25#0



#### 4.1.1.1.1.3 Test Channel = HCH

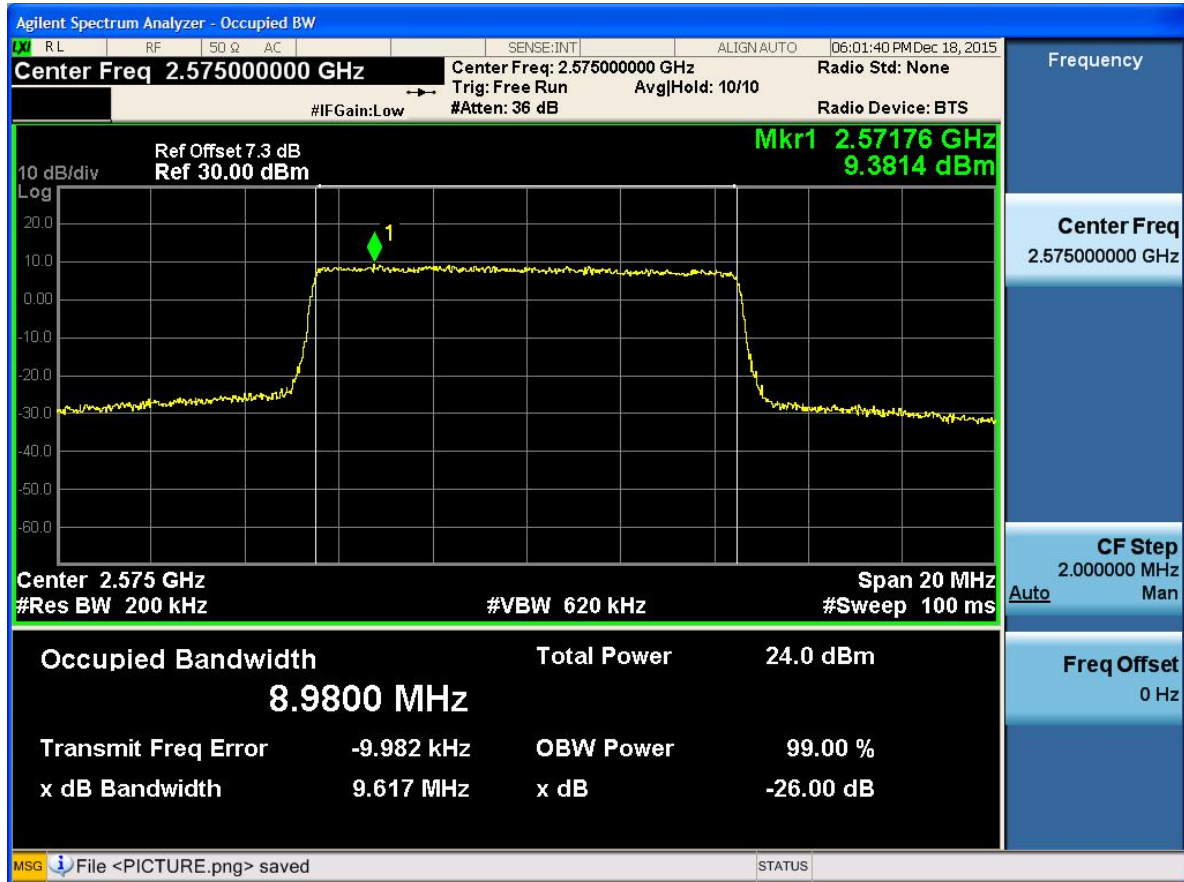
##### 4.1.1.1.1.3.1 Test RB = RB25#0



#### 4.1.1.1.2 Test Bandwidth = 10

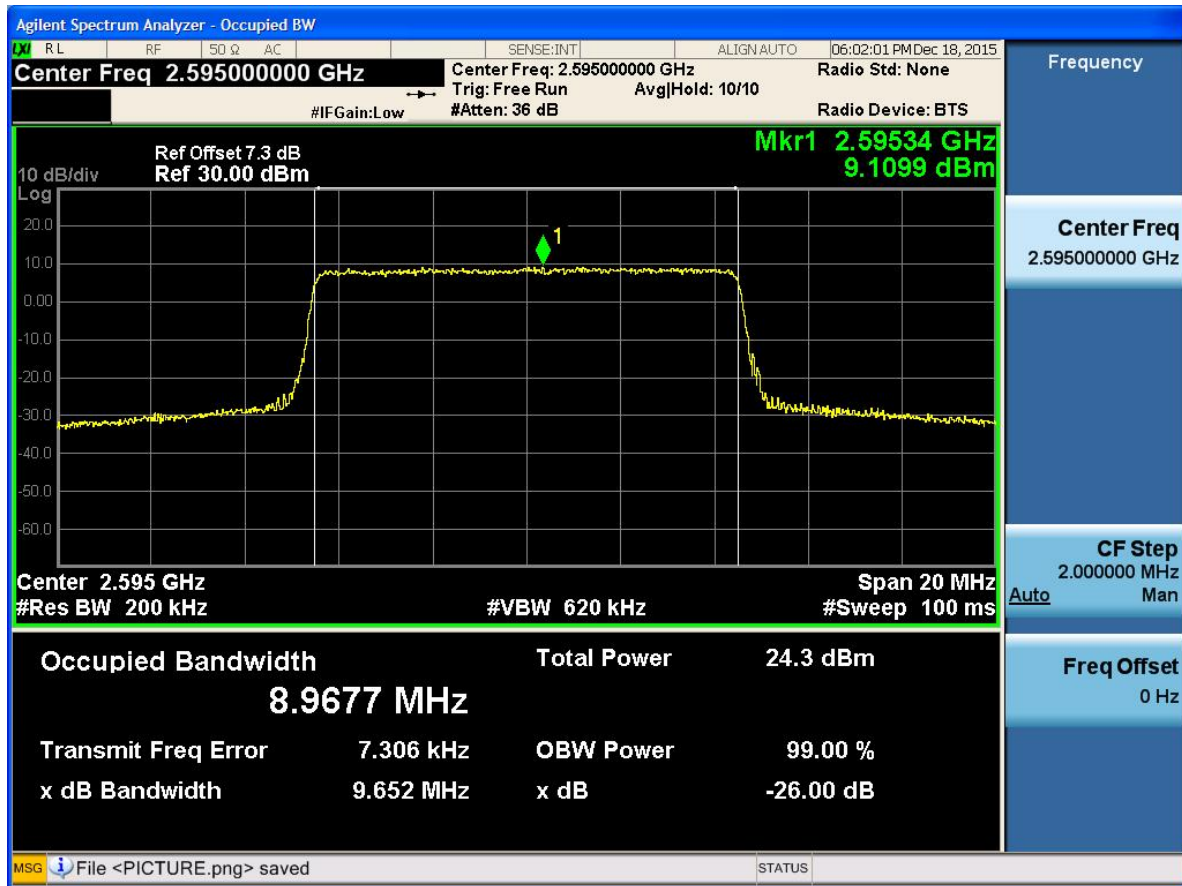
##### 4.1.1.1.2.1 Test Channel = LCH

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



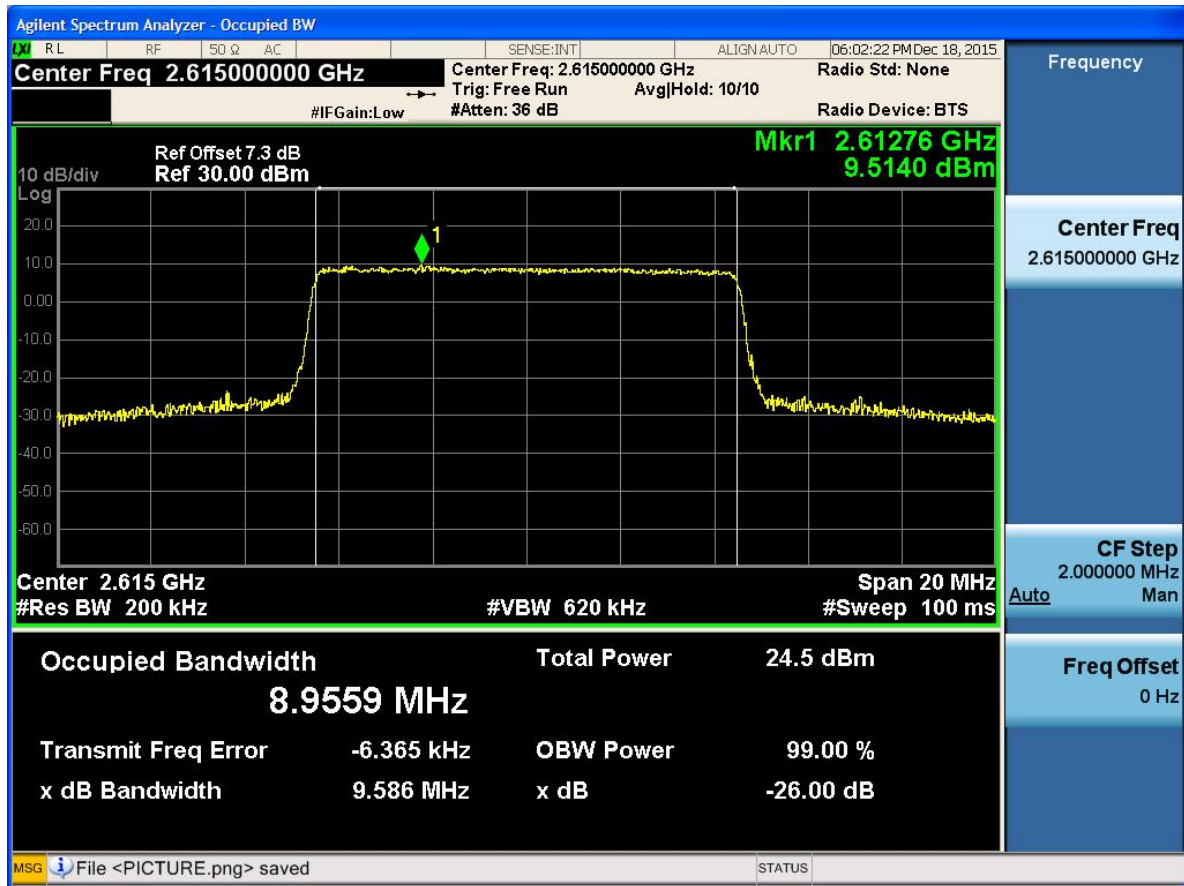
#### 4.1.1.1.2.2 Test Channel = MCH

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



#### 4.1.1.1.2.3 Test Channel = HCH

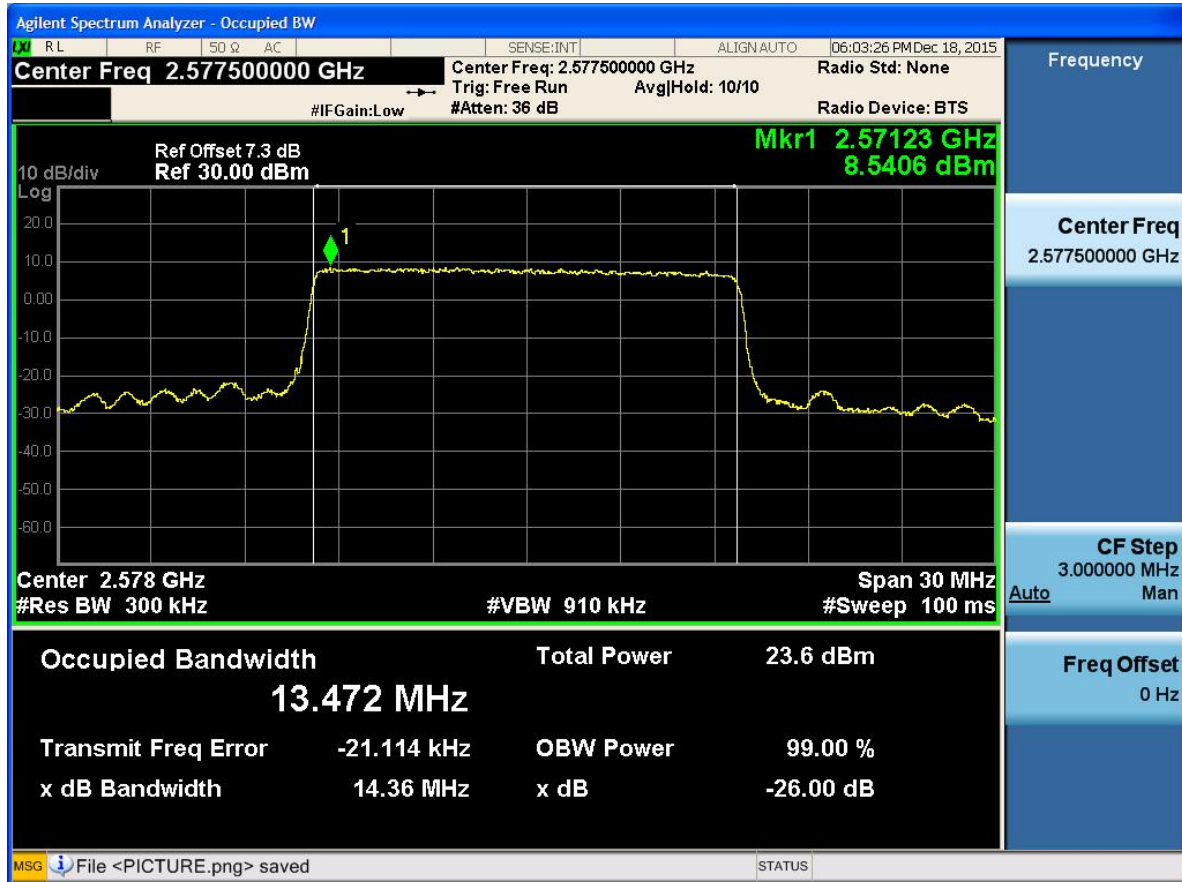
##### 4.1.1.1.2.3.1 Test RB = RB50#0



#### 4.1.1.1.3 Test Bandwidth = 15

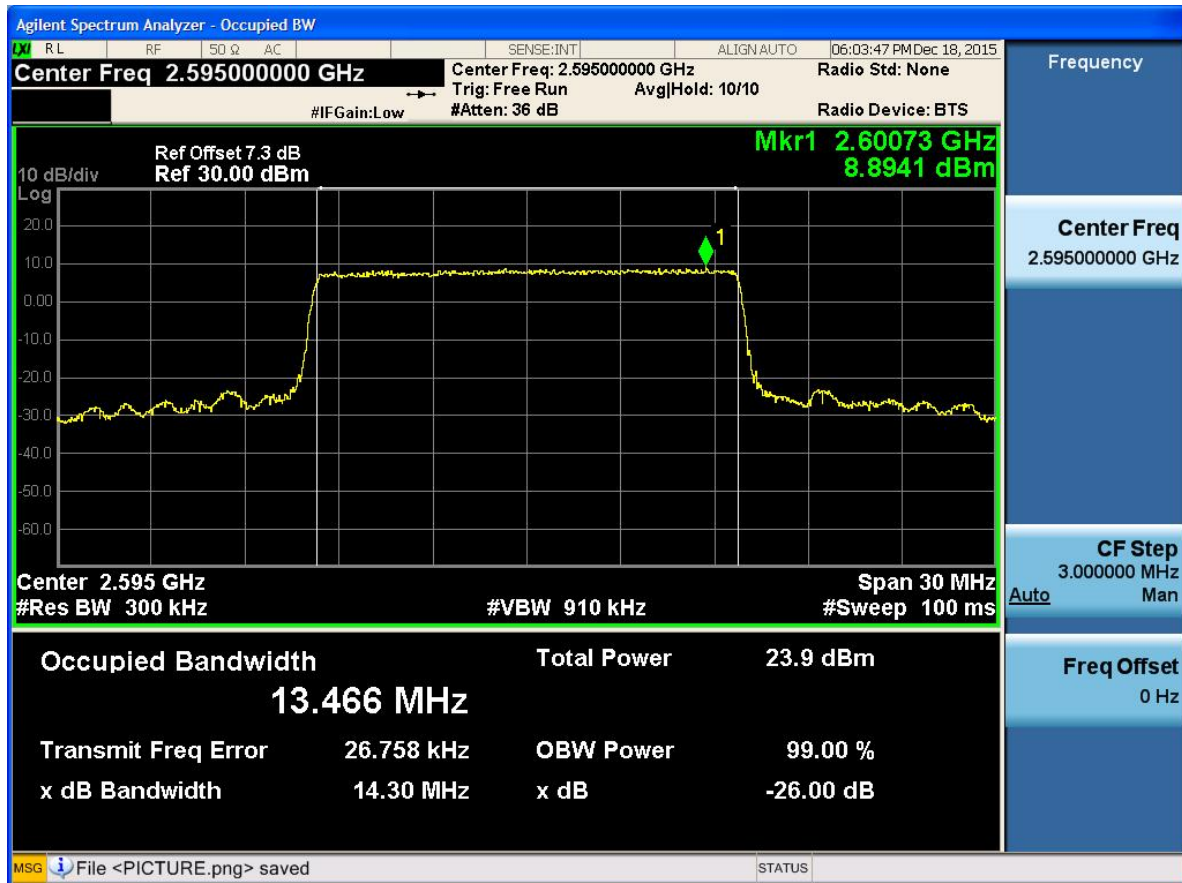
##### 4.1.1.1.3.1 Test Channel = LCH

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



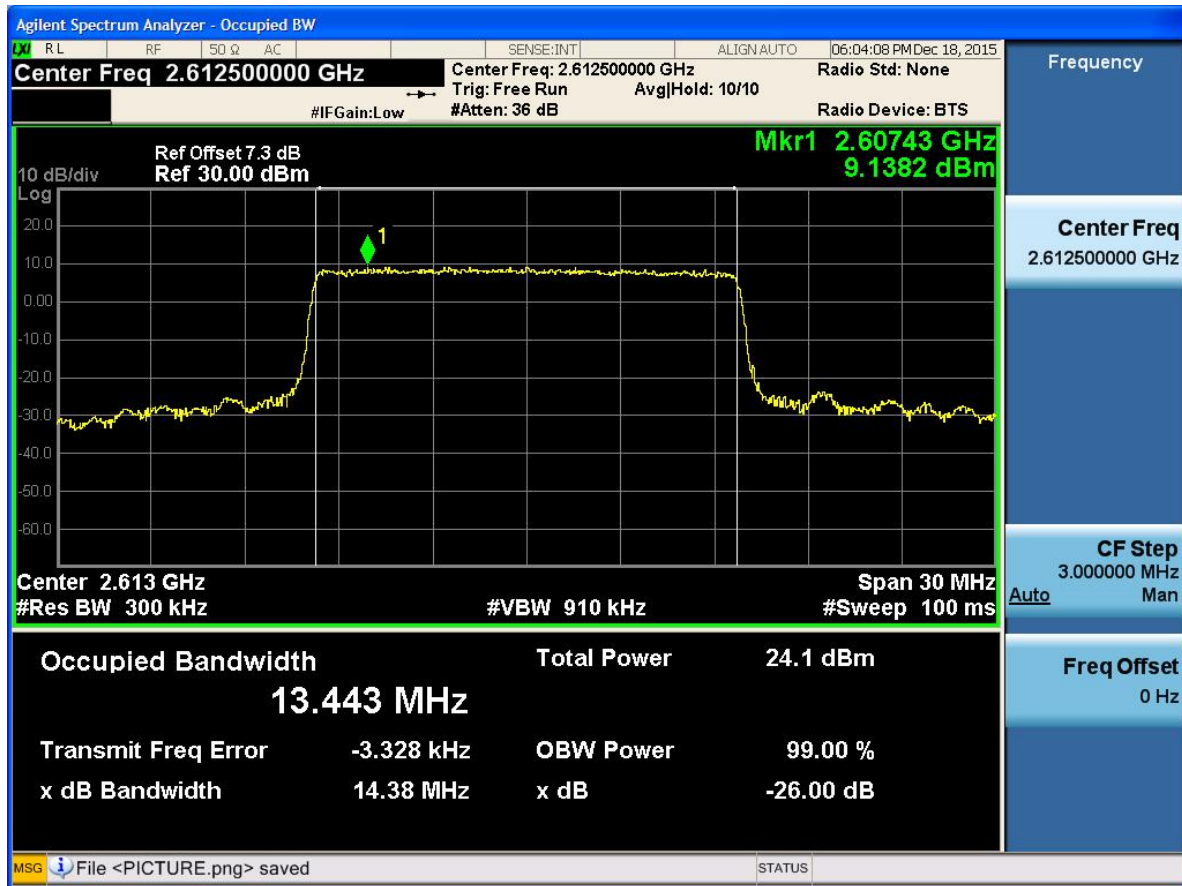
#### 4.1.1.1.3.2 Test Channel = MCH

##### 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

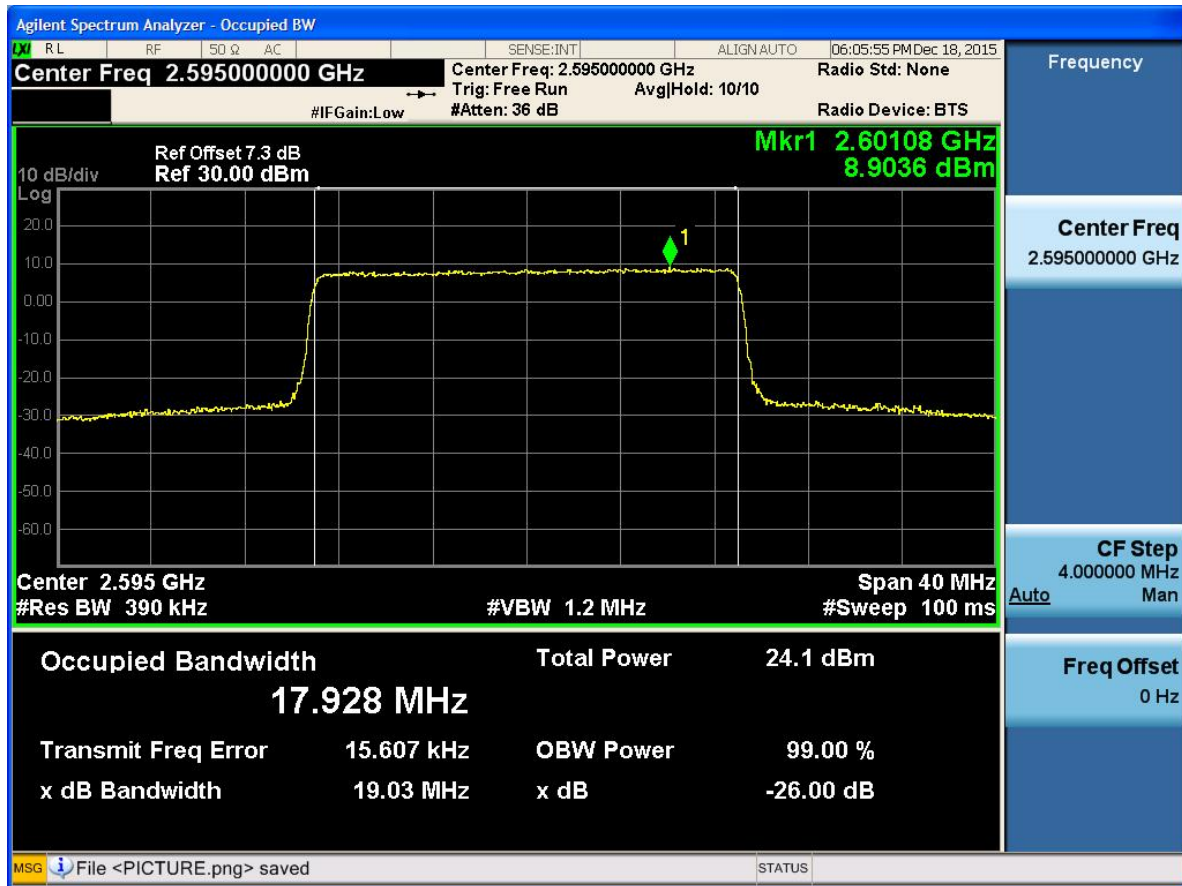
##### 4.1.1.1.4.1 Test Channel = LCH

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



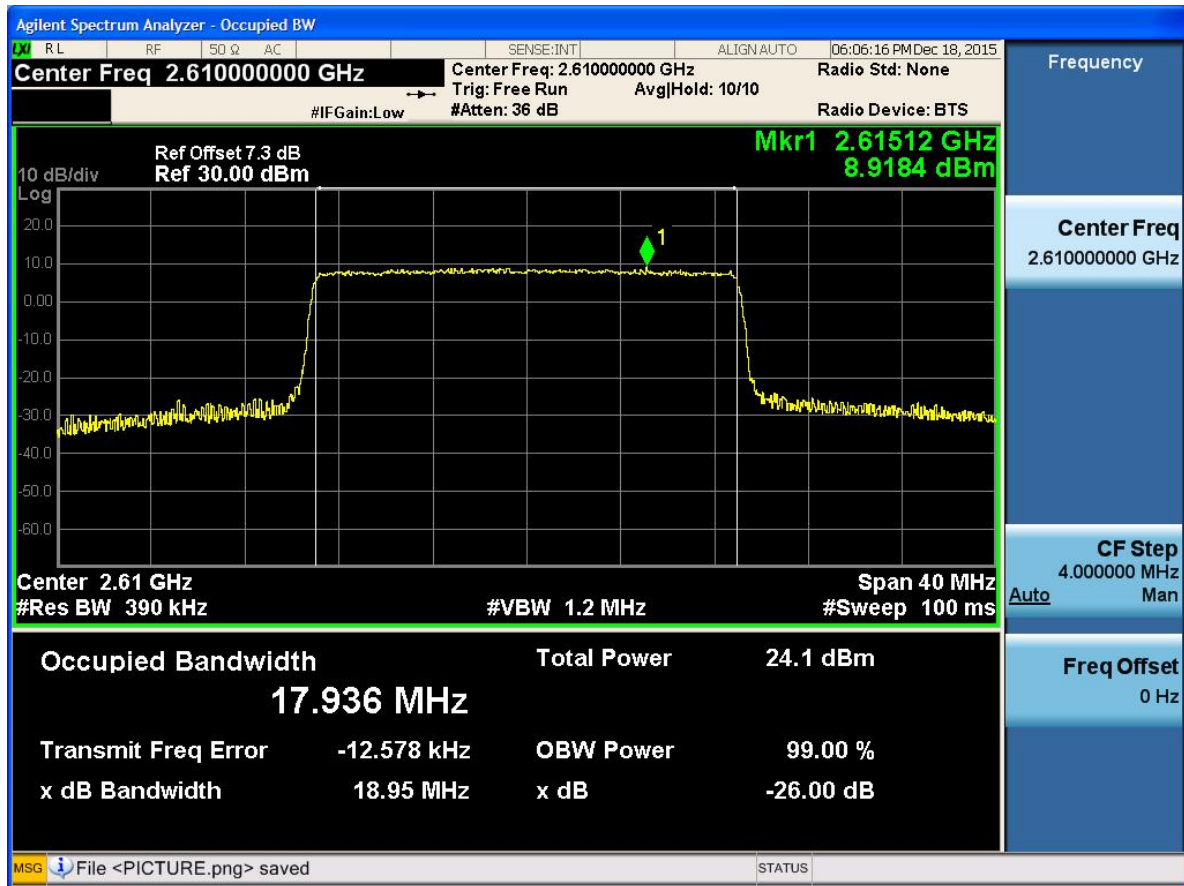
#### 4.1.1.1.4.2 Test Channel = MCH

##### 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

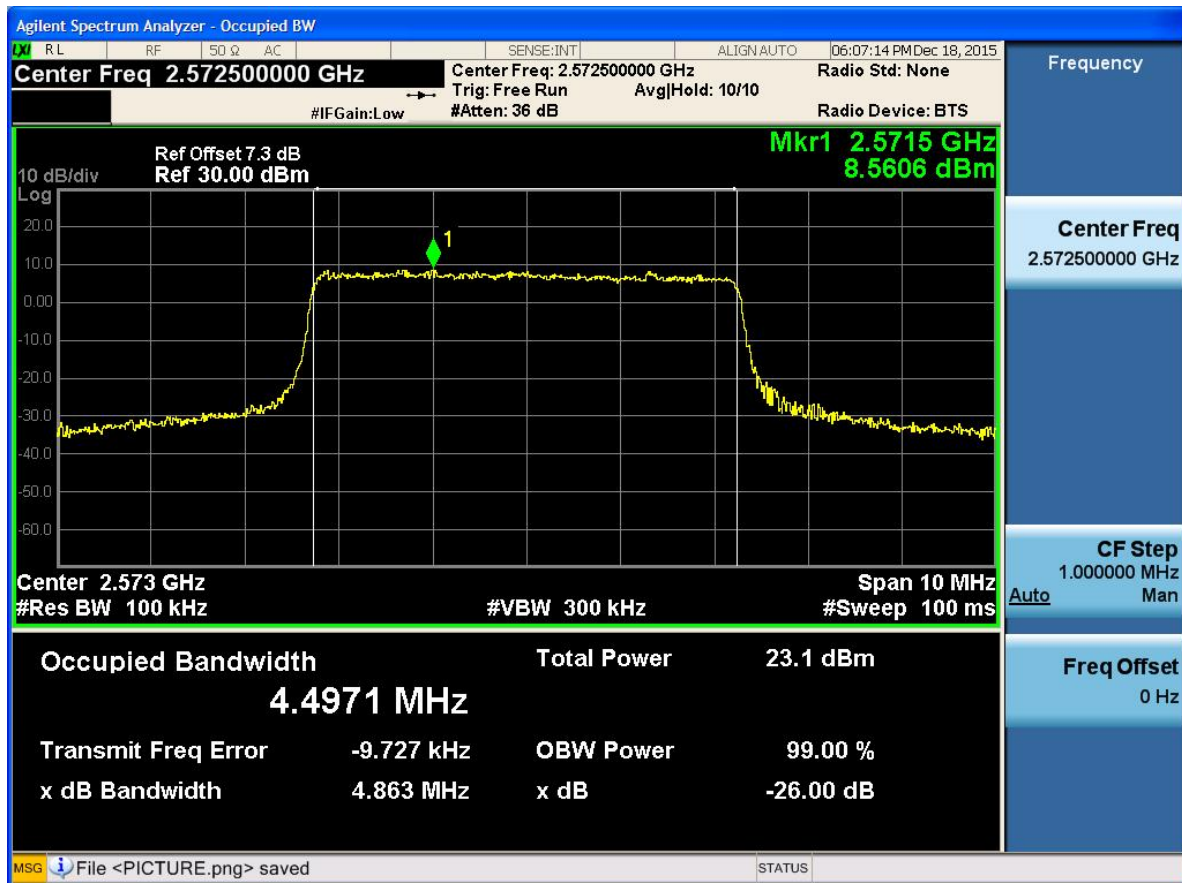


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 5

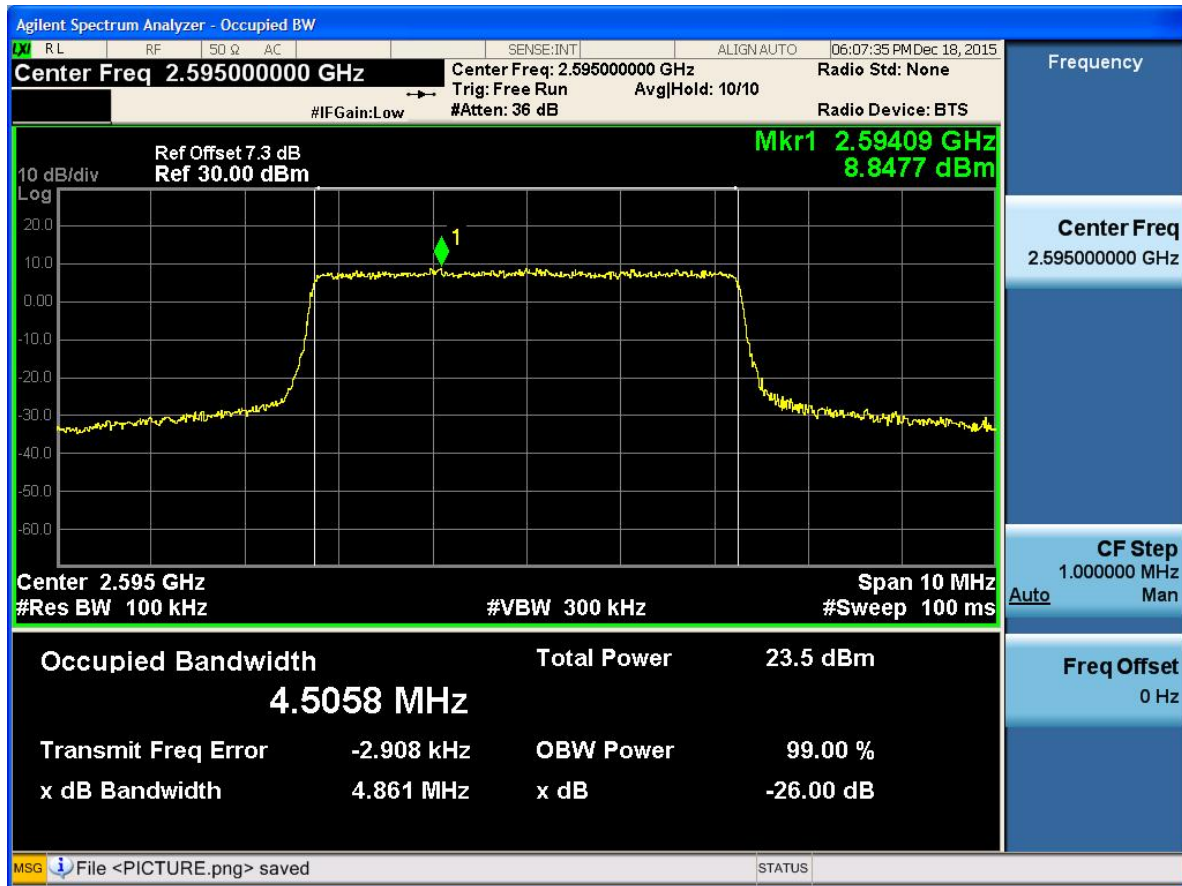
##### 4.1.1.2.1.1 Test Channel = LCH

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



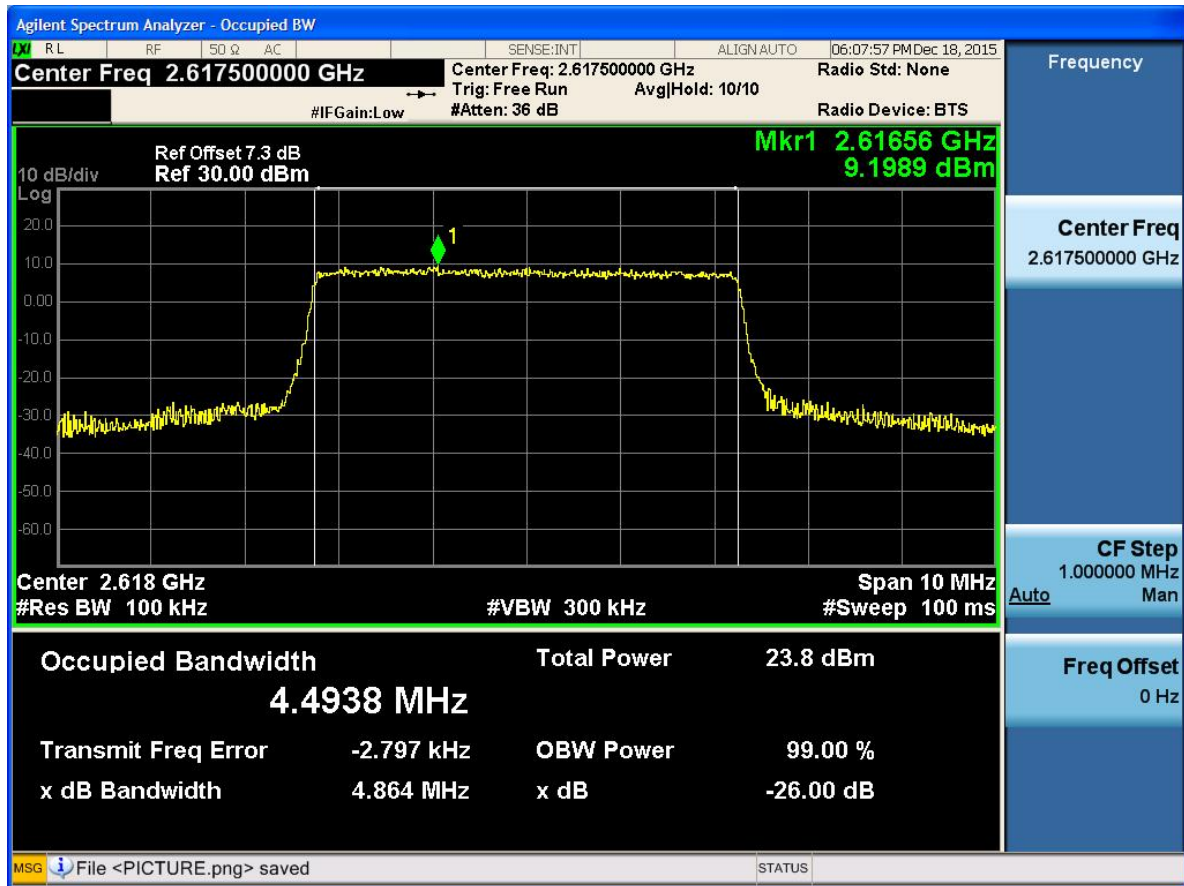
#### 4.1.1.2.1.2 Test Channel = MCH

##### 4.1.1.2.1.2.1 Test RB = RB25#0



#### 4.1.1.2.1.3 Test Channel = HCH

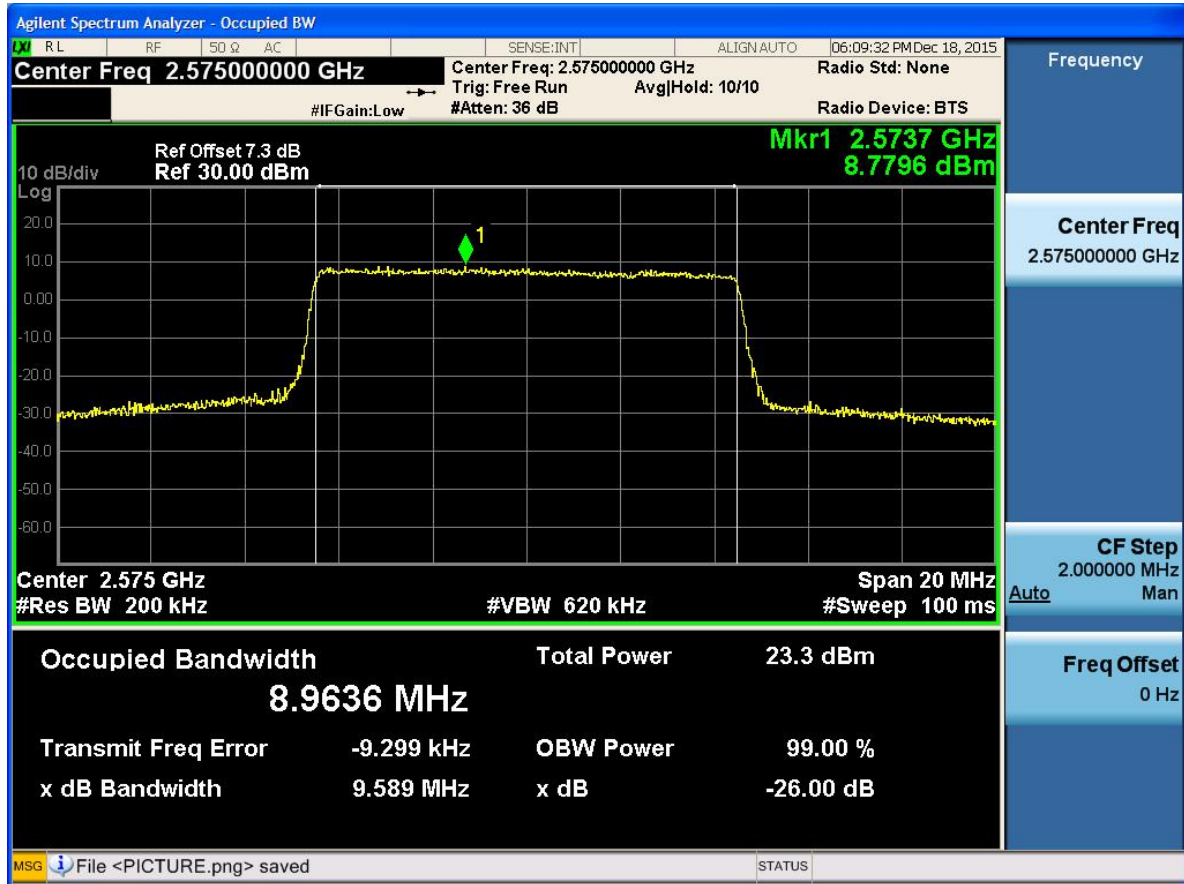
##### 4.1.1.2.1.3.1 Test RB = RB25#0



#### 4.1.1.2.2 Test Bandwidth = 10

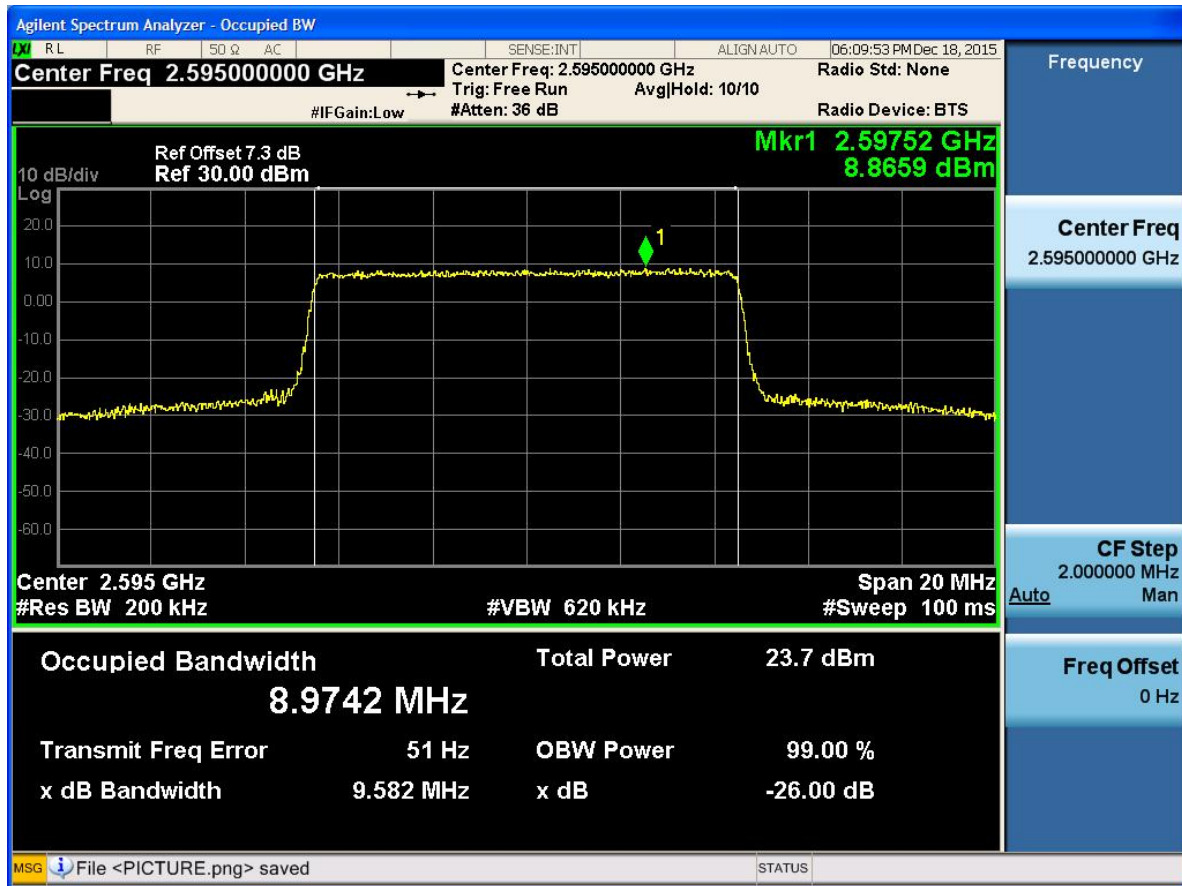
##### 4.1.1.2.2.1 Test Channel = LCH

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



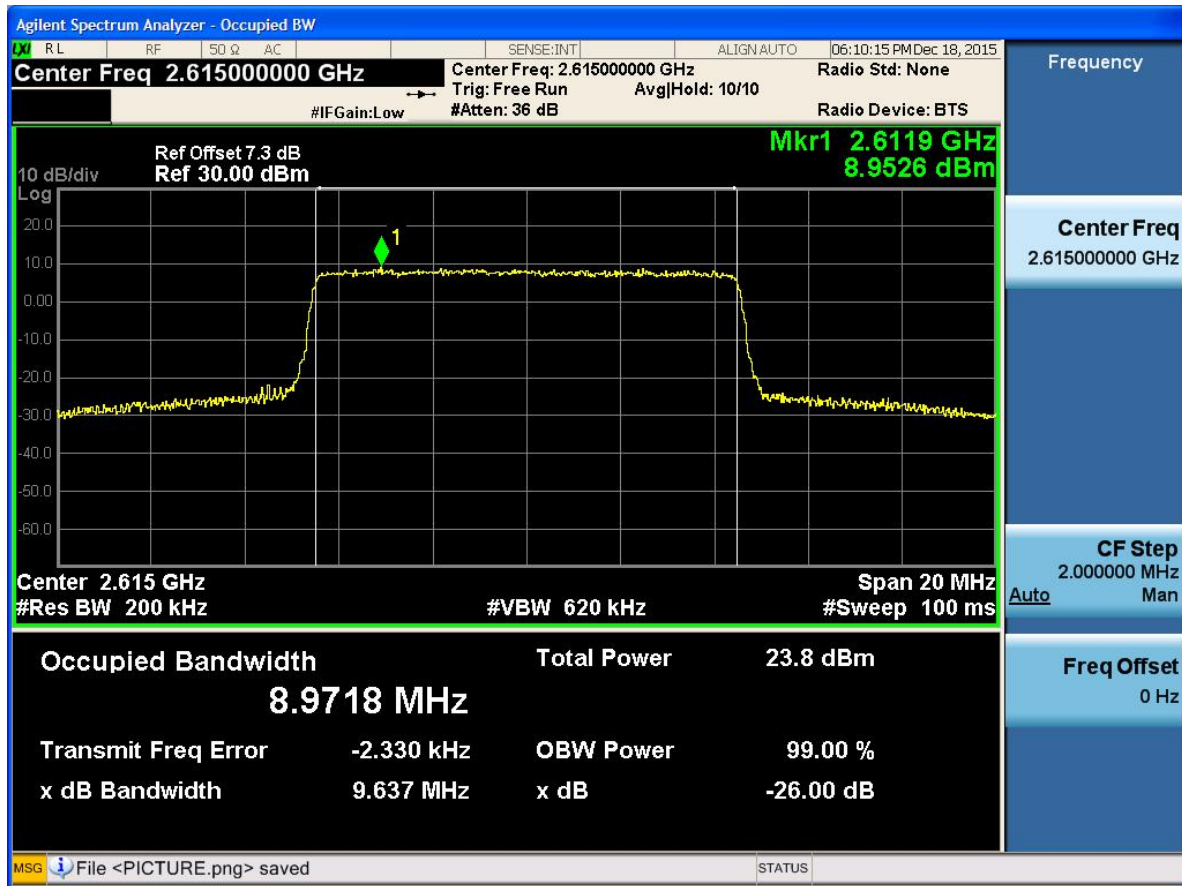
#### 4.1.1.2.2.2 Test Channel = MCH

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



#### 4.1.1.2.2.3 Test Channel = HCH

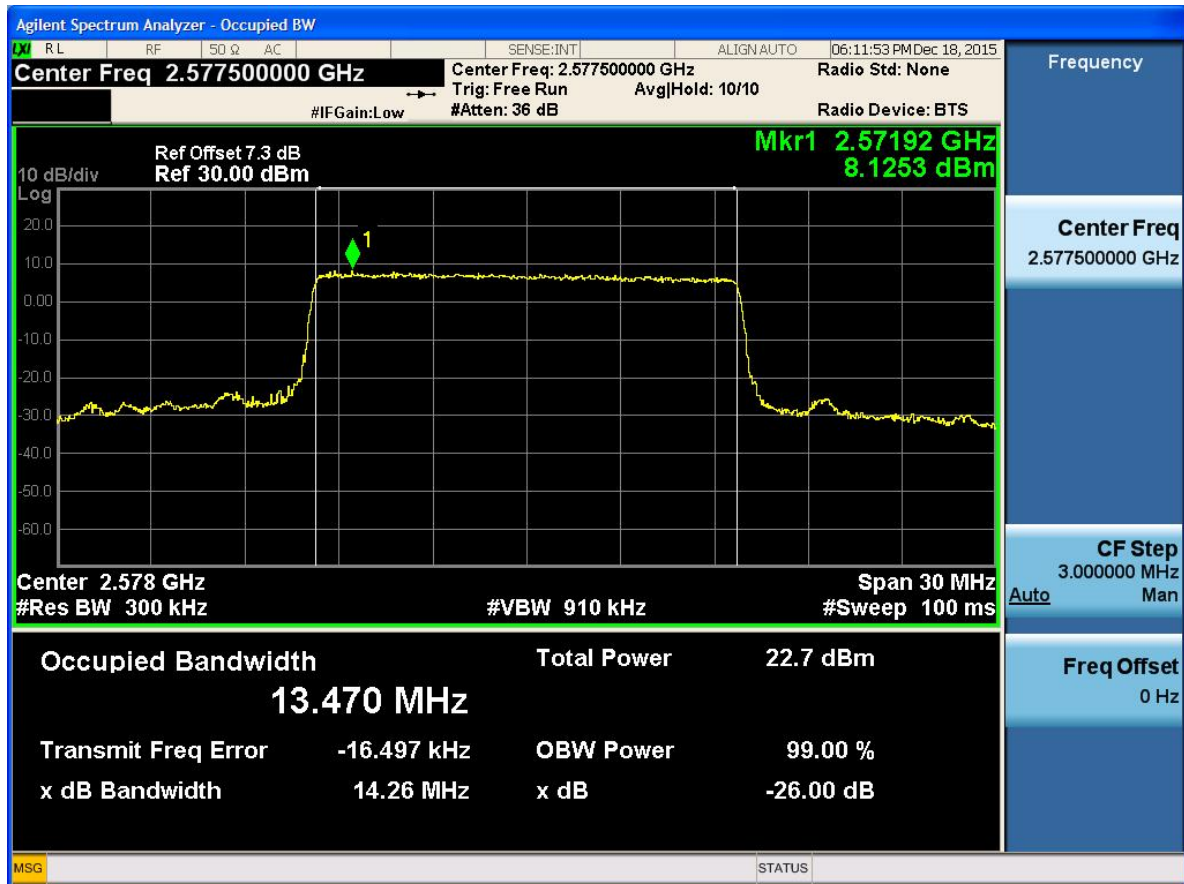
##### 4.1.1.2.2.3.1 Test RB = RB50#0



#### 4.1.1.2.3 Test Bandwidth = 15

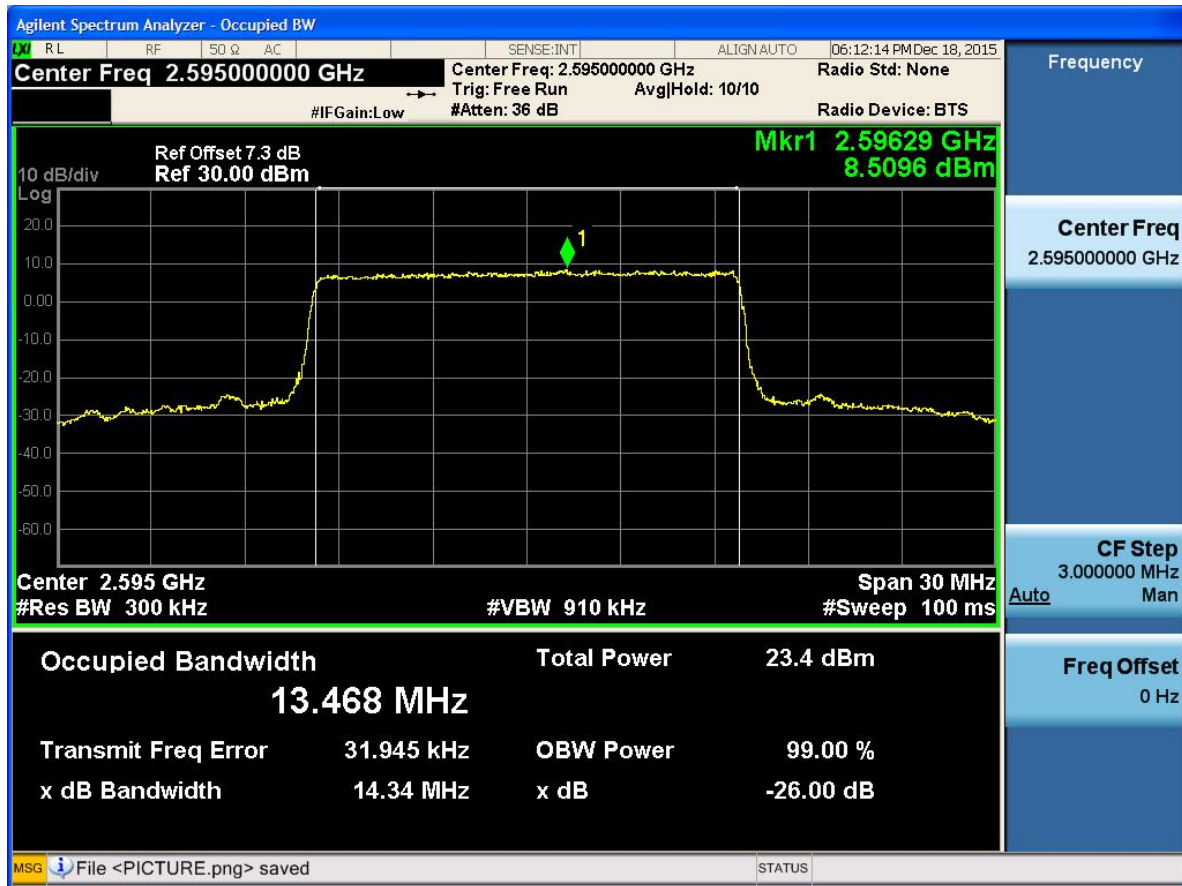
##### 4.1.1.2.3.1 Test Channel = LCH

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



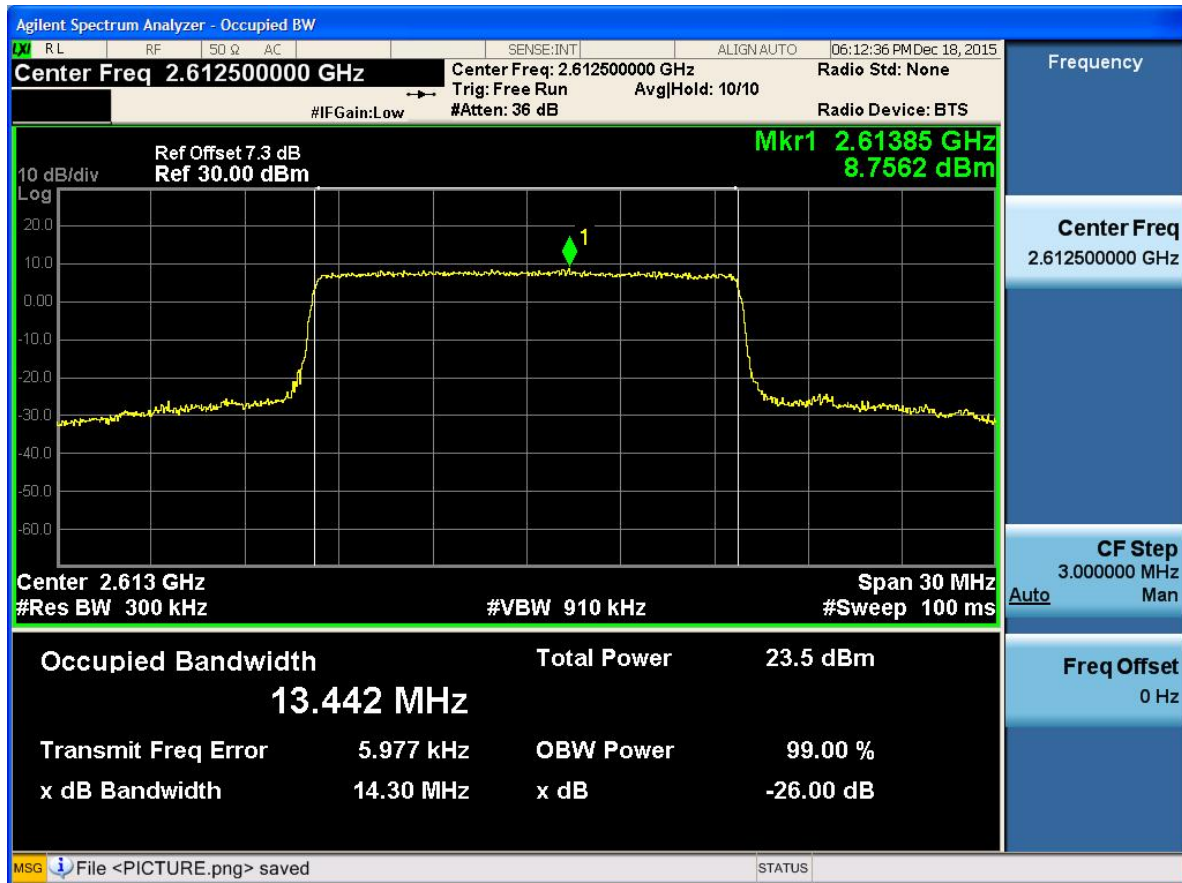
#### 4.1.1.2.3.2 Test Channel = MCH

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



#### 4.1.1.2.3.3 Test Channel = HCH

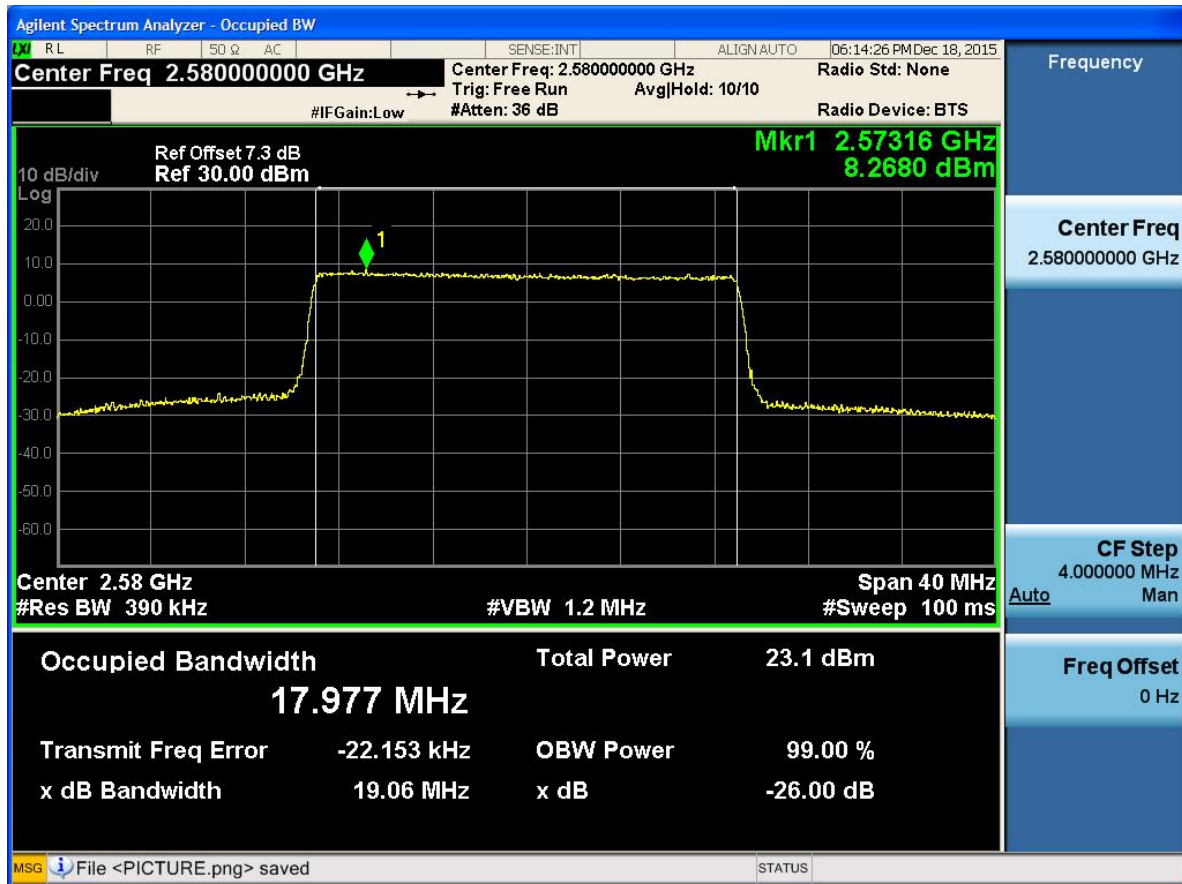
##### 4.1.1.2.3.3.1 Test RB = RB75#0



#### 4.1.1.2.4 Test Bandwidth = 20

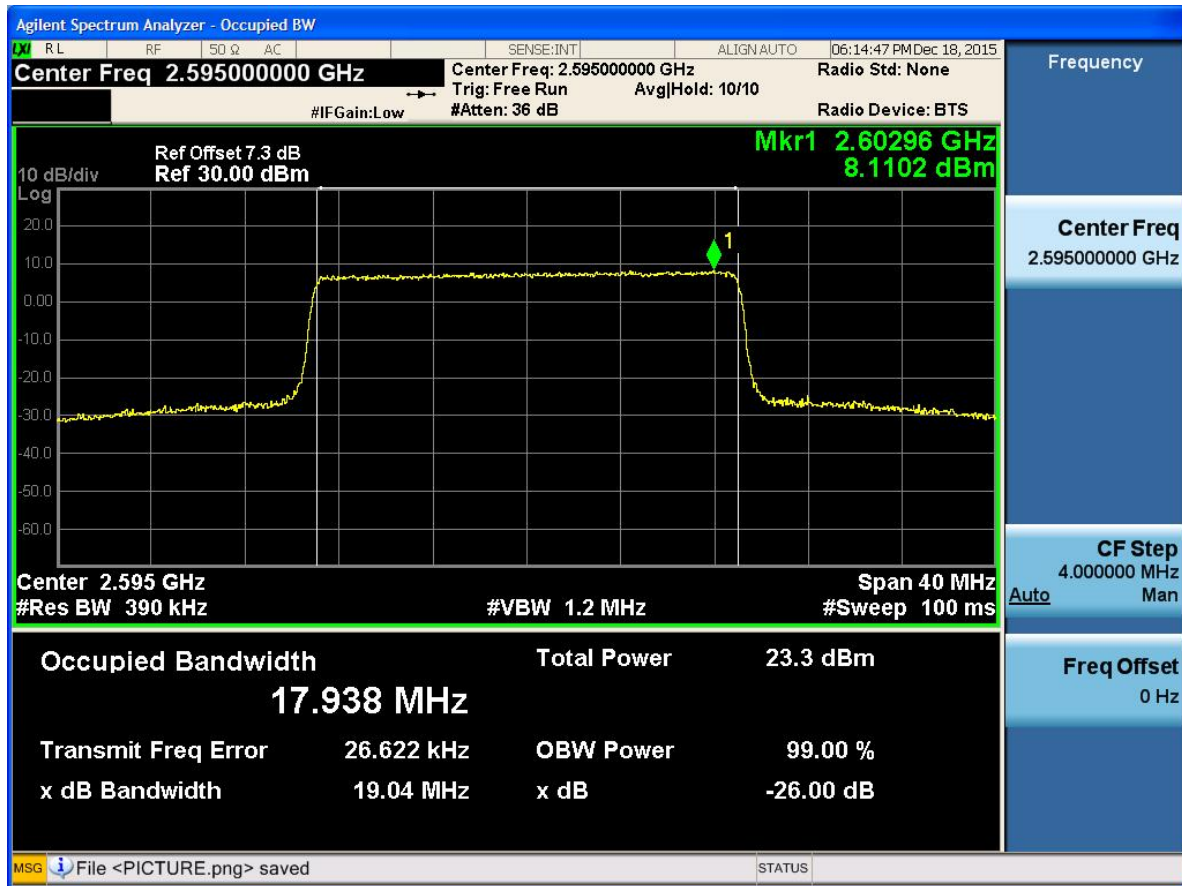
##### 4.1.1.2.4.1 Test Channel = LCH

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



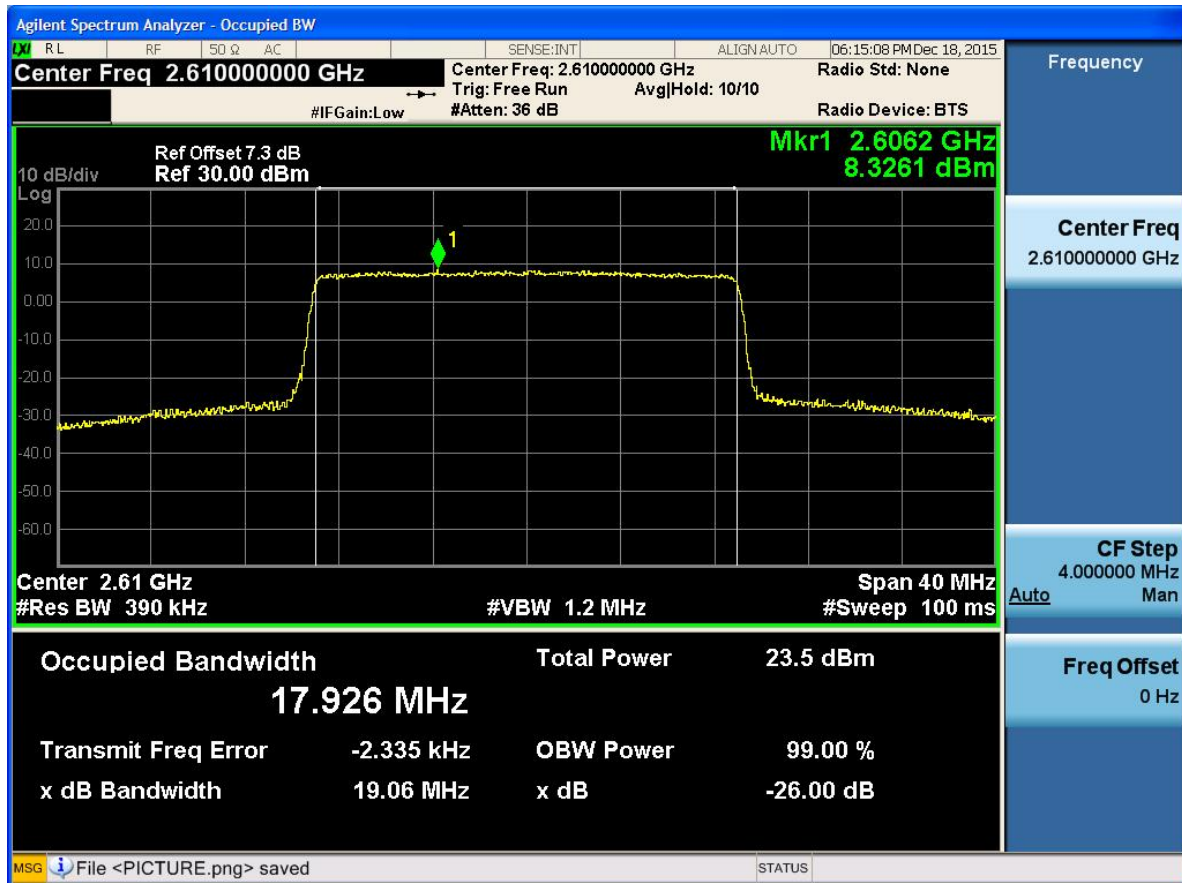
#### 4.1.1.2.4.2 Test Channel = MCH

##### 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

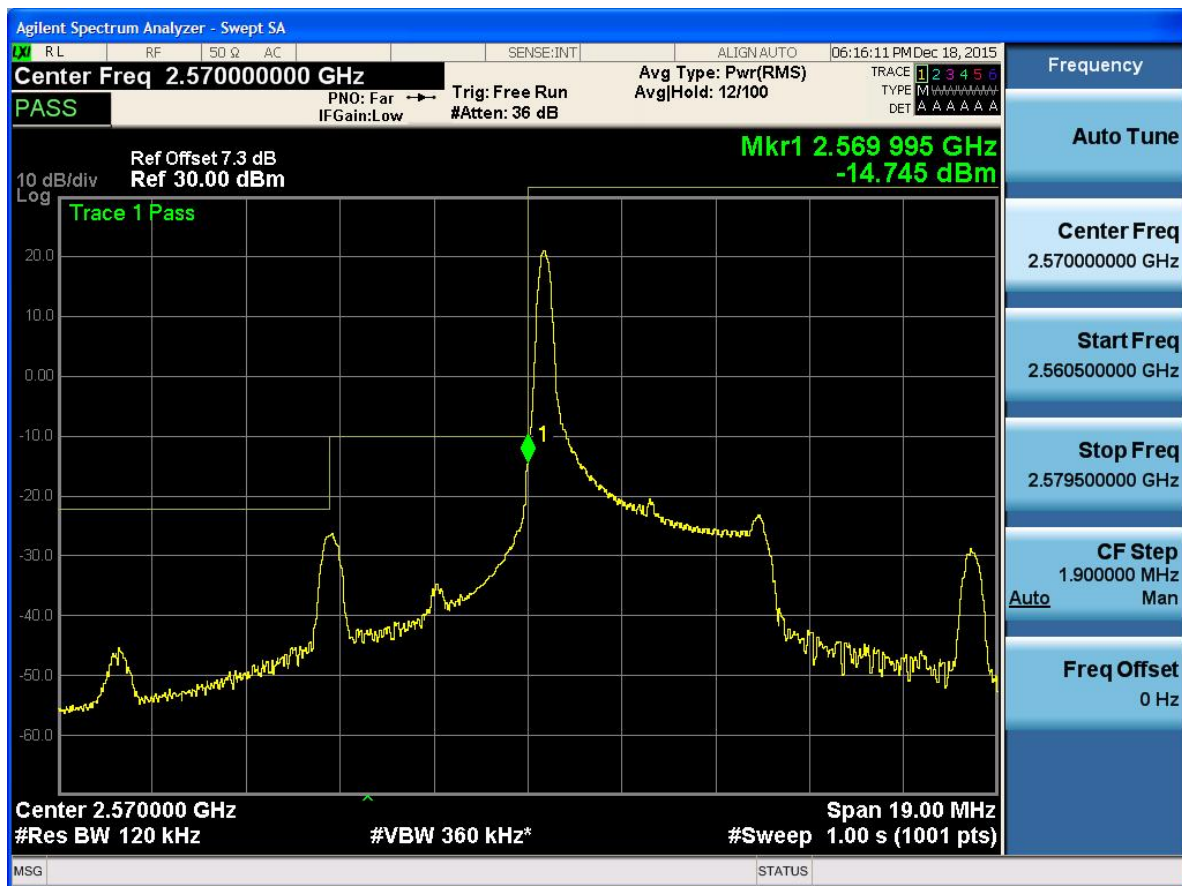
##### 5.1.1 Test Band = BAND38

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

##### 5.1.1.1.1 Test Bandwidth = 5

##### 5.1.1.1.1.1 Test Channel = LCH

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



### 5.1.1.1.1.2 Test RB = RB1#24



### 5.1.1.1.1.3 Test RB = RB12#6



#### 5.1.1.1.1.1.4 Test RB = RB25#0



### 5.1.1.1.1.2 Test Channel = HCH

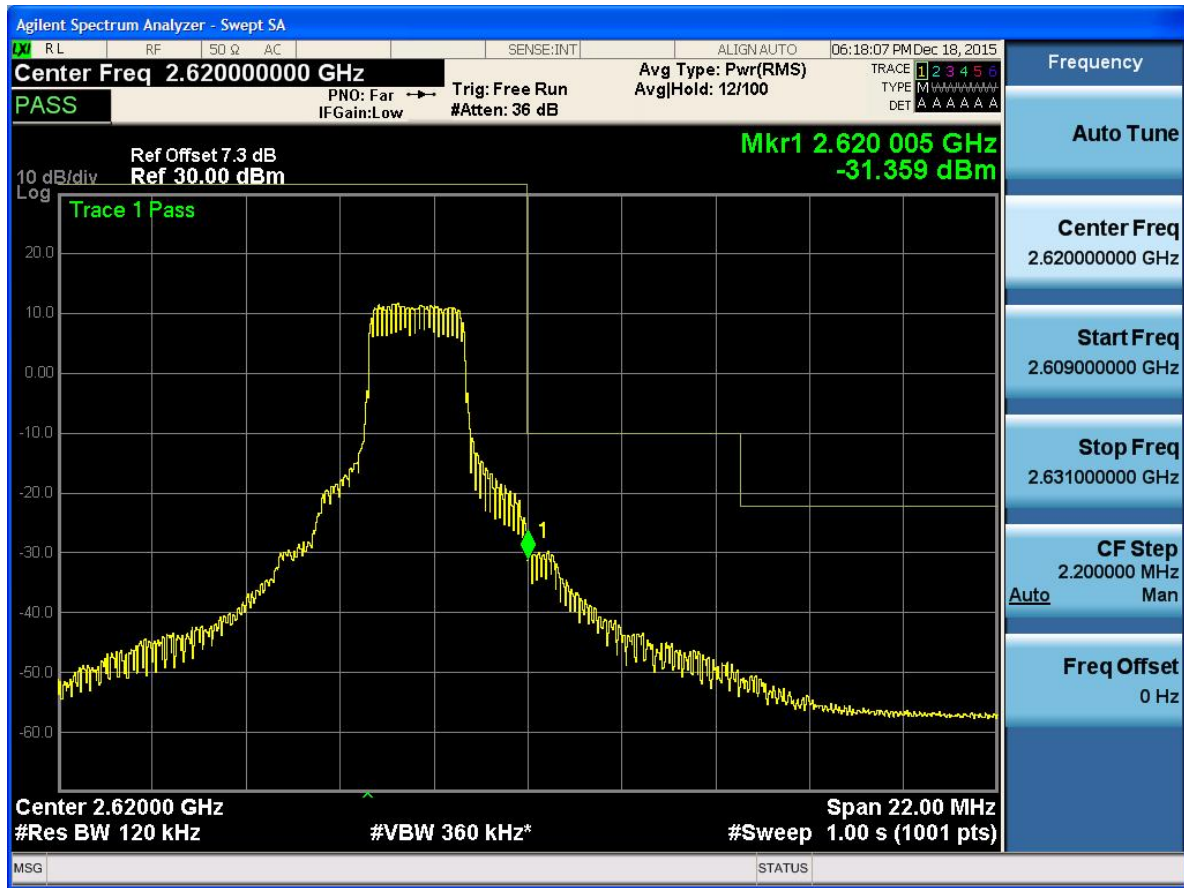
#### 5.1.1.1.1.2.1 Test RB = RB1#0



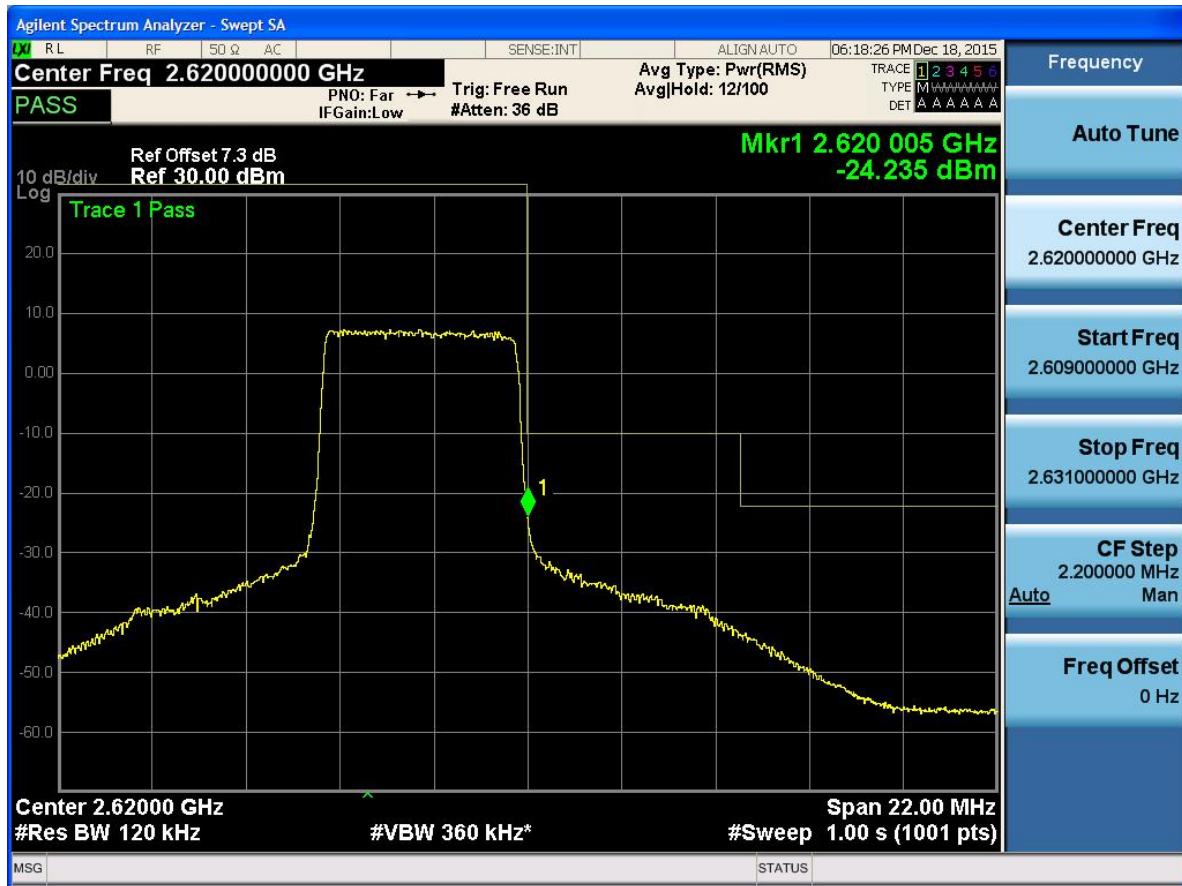
### 5.1.1.1.1.2.2 Test RB = RB1#24



### 5.1.1.1.1.2.3 Test RB = RB12#6



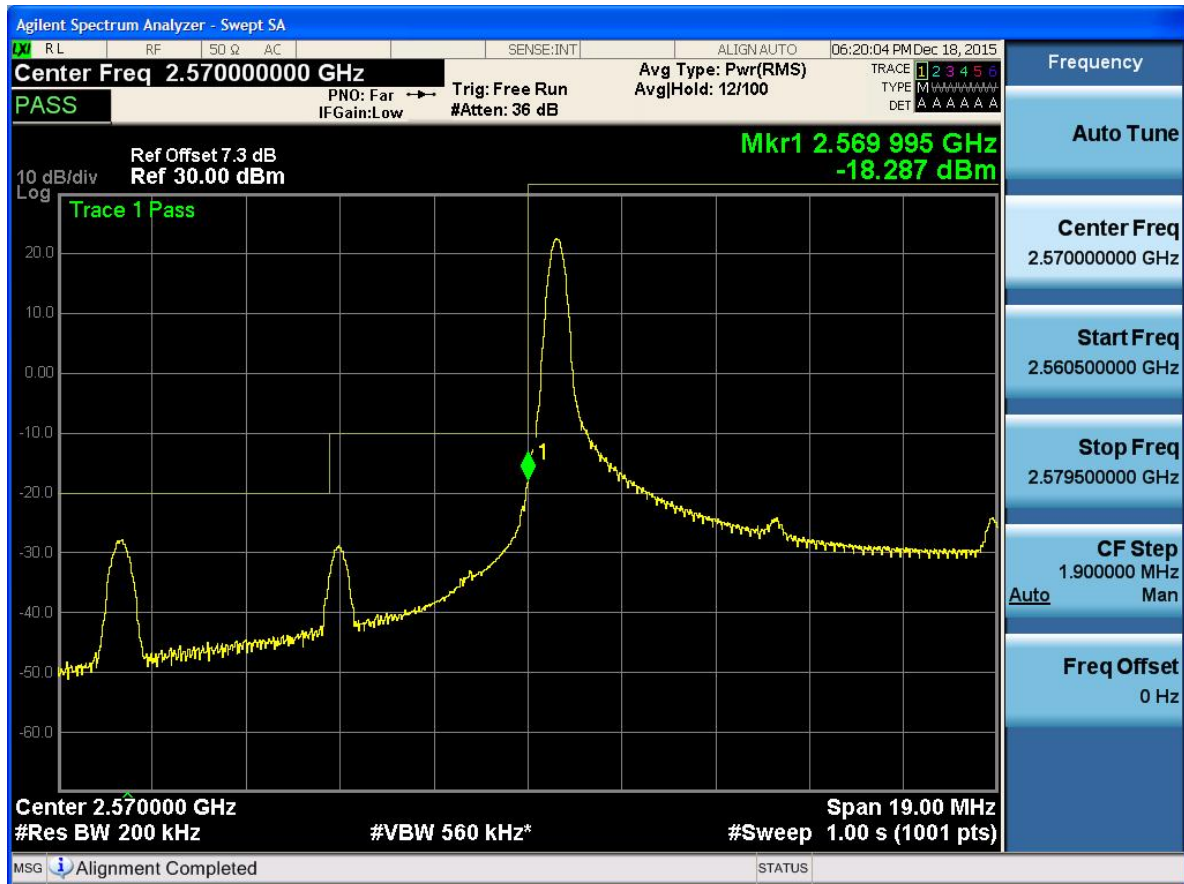
#### 5.1.1.1.1.2.4 Test RB = RB25#0



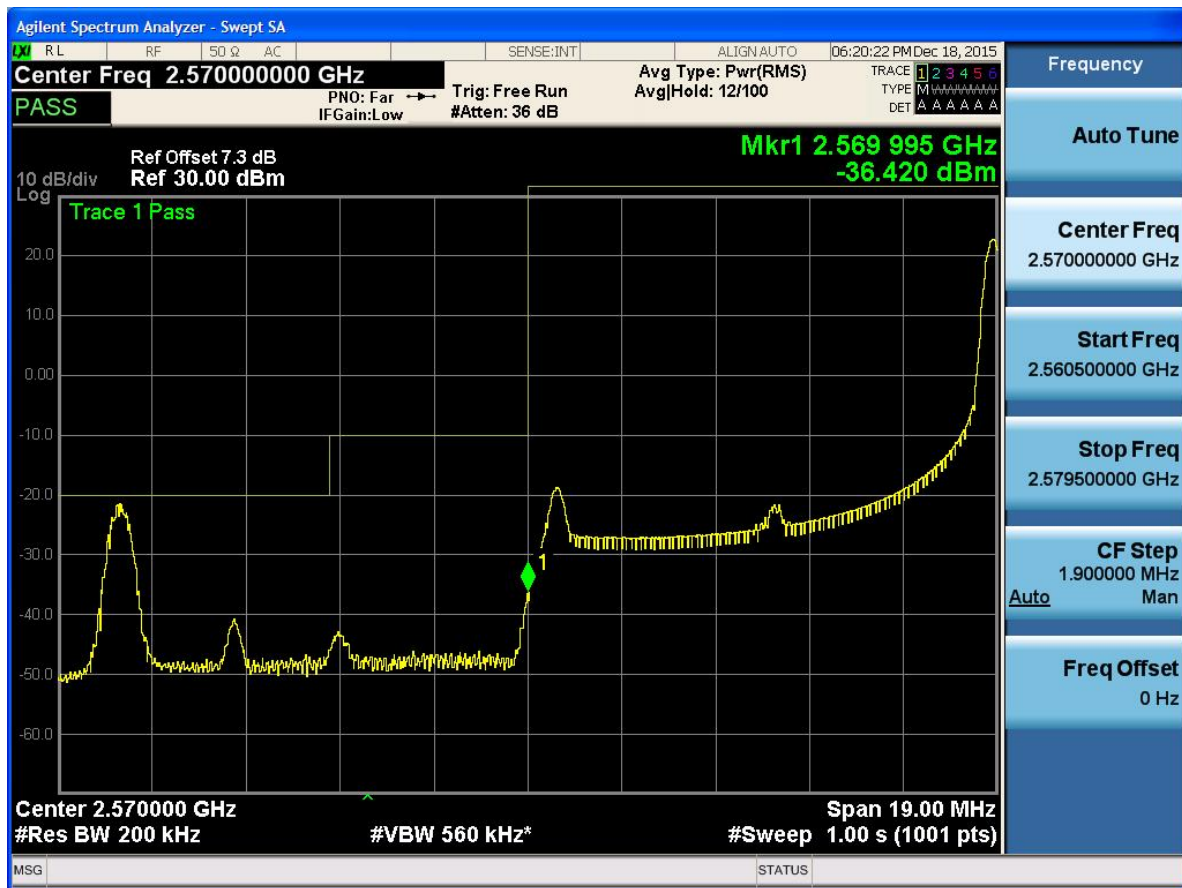
### 5.1.1.1.2 Test Bandwidth = 10

#### 5.1.1.1.2.1 Test Channel = LCH

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



### 5.1.1.1.2.1.2 Test RB = RB1#49



### 5.1.1.1.2.1.3 Test RB = RB25#13

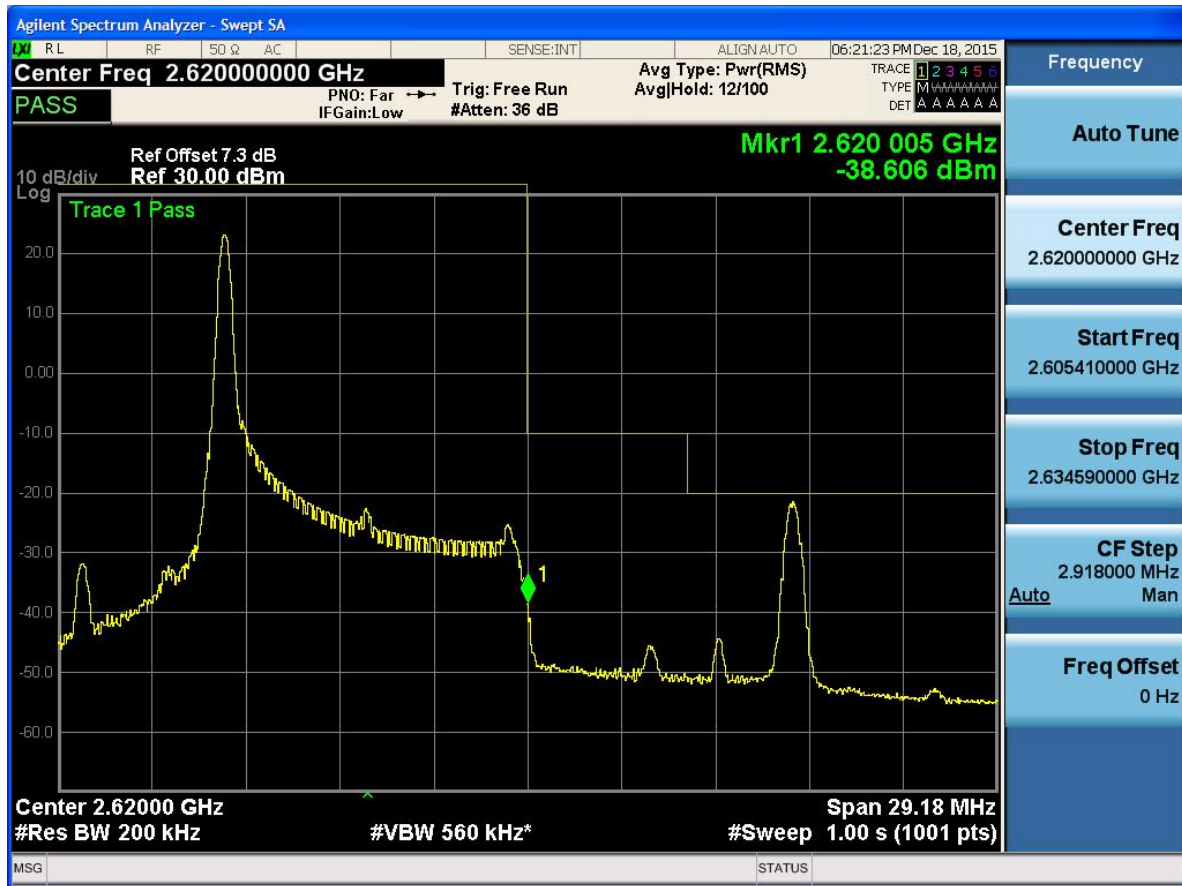


### 5.1.1.1.2.1.4 Test RB = RB50#0

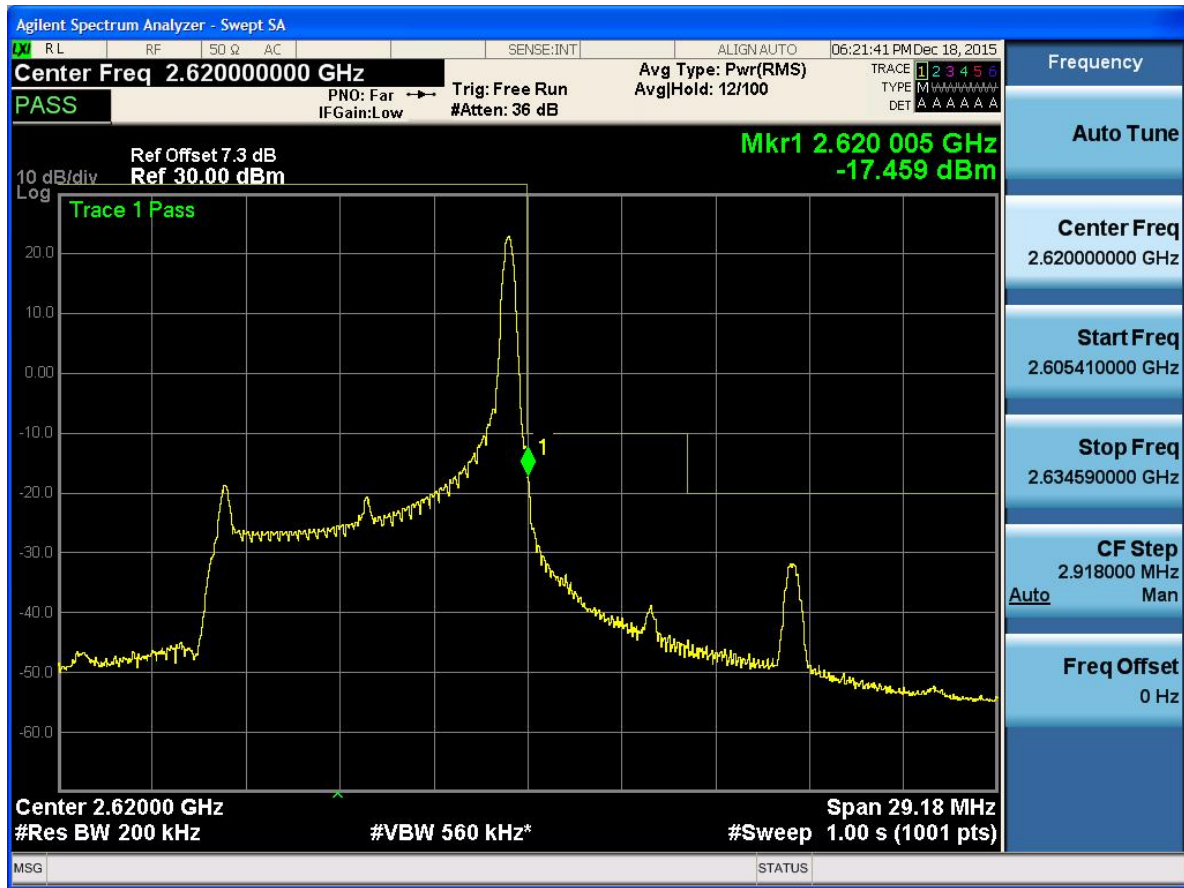


### 5.1.1.1.2.2 Test Channel = HCH

#### 5.1.1.1.2.2.1 Test RB = RB1#0



### 5.1.1.1.2.2.2 Test RB = RB1#49



### 5.1.1.1.2.2.3 Test RB = RB25#13



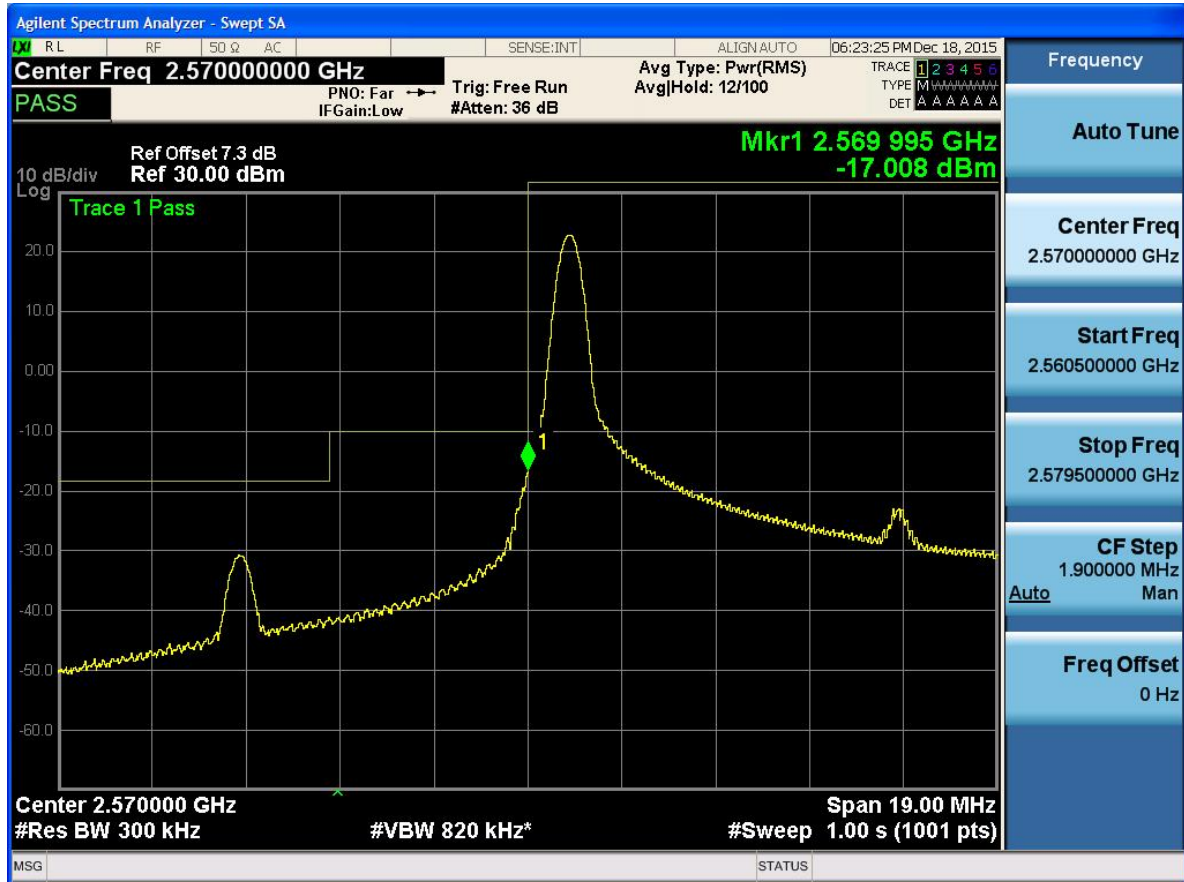
### 5.1.1.1.2.2.4 Test RB = RB50#0



### 5.1.1.1.3 Test Bandwidth = 15

#### 5.1.1.1.3.1 Test Channel = LCH

##### 5.1.1.1.3.1.1 Test RB = RB1#0



### 5.1.1.1.3.1.2 Test RB = RB1#74



### 5.1.1.1.3.1.3 Test RB = RB38#19



### 5.1.1.1.3.1.4 Test RB = RB75#0

