



# 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] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
| BAND26         | LTE/TM1   | 1.4            | LCH          | RB1#0   | 22.48          | 17.87     | 50          | PASS    |
|                |           |                |              | RB1#3   | 22.8           | 18.19     | 50          | PASS    |
|                |           |                |              | RB1#5   | 22.74          | 18.13     | 50          | PASS    |
|                |           |                |              | RB3#0   | 22.57          | 17.96     | 50          | PASS    |
|                |           |                |              | RB3#2   | 22.72          | 18.11     | 50          | PASS    |
|                |           |                |              | RB3#3   | 22.72          | 18.11     | 50          | PASS    |
|                |           |                | MCH          | RB6#0   | 21.62          | 17.01     | 50          | PASS    |
|                |           |                |              | RB1#0   | 22.6           | 17.99     | 50          | PASS    |
|                |           |                |              | RB1#3   | 22.76          | 18.15     | 50          | PASS    |
|                |           |                |              | RB1#5   | 22.84          | 18.23     | 50          | PASS    |
|                |           |                |              | RB3#0   | 22.8           | 18.19     | 50          | PASS    |
|                |           |                |              | RB3#2   | 22.95          | 18.34     | 50          | PASS    |
|                |           |                |              | RB3#3   | 22.94          | 18.33     | 50          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                |              | RB6#0   | 21.85          | 17.24     | 50          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.76          | 18.15     | 50          | PASS    |
|                |           |                |              | RB1#3   | 23             | 18.39     | 50          | PASS    |
|                |           |                |              | RB1#5   | 22.92          | 18.31     | 50          | PASS    |
|                |           |                |              | RB3#0   | 22.82          | 18.21     | 50          | PASS    |
|                |           |                |              | RB3#2   | 22.94          | 18.33     | 50          | PASS    |
|                |           |                |              | RB3#3   | 22.92          | 18.31     | 50          | PASS    |
|                |           |                |              | RB6#0   | 21.86          | 17.25     | 50          | PASS    |
|                |           | 3              | LCH          | RB1#0   | 22.23          | 17.62     | 50          | PASS    |
|                |           |                |              | RB1#7   | 22.86          | 18.25     | 50          | PASS    |
|                |           |                |              | RB1#14  | 22.92          | 18.31     | 50          | PASS    |
|                |           |                |              | RB8#0   | 21.78          | 17.17     | 50          | PASS    |
|                |           |                |              | RB8#4   | 21.98          | 17.37     | 50          | PASS    |
|                |           |                |              | RB8#7   | 21.99          | 17.38     | 50          | PASS    |
|                |           |                |              | RB15#0  | 21.86          | 17.25     | 50          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.52          | 17.91     | 50          | PASS    |
|                |           |                |              | RB1#7   | 22.94          | 18.33     | 50          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                |              | RB1#14  | 22.67          | 18.06     | 50          | PASS    |
|                |           |                |              | RB8#0   | 21.71          | 17.1      | 50          | PASS    |
|                |           |                |              | RB8#4   | 21.84          | 17.23     | 50          | PASS    |
|                |           |                |              | RB8#7   | 21.79          | 17.18     | 50          | PASS    |
|                |           |                |              | RB15#0  | 21.73          | 17.12     | 50          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.37          | 17.76     | 50          | PASS    |
|                |           |                |              | RB1#7   | 22.88          | 18.27     | 50          | PASS    |
|                |           |                |              | RB1#14  | 22.75          | 18.14     | 50          | PASS    |
|                |           |                |              | RB8#0   | 21.65          | 17.04     | 50          | PASS    |
|                |           |                |              | RB8#4   | 21.76          | 17.15     | 50          | PASS    |
|                |           |                |              | RB8#7   | 21.81          | 17.2      | 50          | PASS    |
|                |           |                |              | RB15#0  | 21.66          | 17.05     | 50          | PASS    |
|                |           | 5              | LCH          | RB1#0   | 22.84          | 18.23     | 50          | PASS    |
|                |           |                |              | RB1#13  | 23.7           | 19.09     | 50          | PASS    |
|                |           |                |              | RB1#24  | 22.98          | 18.37     | 50          | PASS    |
|                |           |                |              | RB12#0  | 22.31          | 17.7      | 50          | PASS    |
|                |           |                |              | RB12#6  | 22.59          | 17.98     | 50          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                |              | RB12#13 | 22.26          | 17.65     | 50          | PASS    |
|                |           |                |              | RB25#0  | 22.27          | 17.66     | 50          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.01          | 18.4      | 50          | PASS    |
|                |           |                |              | RB1#13  | 23.54          | 18.93     | 50          | PASS    |
|                |           |                |              | RB1#24  | 22.73          | 18.12     | 50          | PASS    |
|                |           |                |              | RB12#0  | 22.26          | 17.65     | 50          | PASS    |
|                |           |                |              | RB12#6  | 22.4           | 17.79     | 50          | PASS    |
|                |           |                |              | RB12#13 | 22.14          | 17.53     | 50          | PASS    |
|                |           |                |              | RB25#0  | 22.07          | 17.46     | 50          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.78          | 18.17     | 50          | PASS    |
|                |           |                |              | RB1#13  | 23.41          | 18.8      | 50          | PASS    |
|                |           |                |              | RB1#24  | 22.91          | 18.3      | 50          | PASS    |
|                |           |                |              | RB12#0  | 22.17          | 17.56     | 50          | PASS    |
|                |           |                |              | RB12#6  | 22.29          | 17.68     | 50          | PASS    |
|                |           |                |              | RB12#13 | 22.15          | 17.54     | 50          | PASS    |
|                |           |                |              | RB25#0  | 22.1           | 17.49     | 50          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 23.36          | 18.75     | 50          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                |              | RB1#25  | 23.61          | 19        | 50          | PASS    |
|                |           |                |              | RB1#49  | 23.6           | 18.99     | 50          | PASS    |
|                |           |                |              | RB25#0  | 22.18          | 17.57     | 50          | PASS    |
|                |           |                |              | RB25#13 | 22.12          | 17.51     | 50          | PASS    |
|                |           |                |              | RB25#25 | 21.94          | 17.33     | 50          | PASS    |
|                |           |                |              | RB50#0  | 22.24          | 17.63     | 50          | PASS    |
|                |           |                | MCH          | RB1#0   | 23.3           | 18.69     | 50          | PASS    |
|                |           |                |              | RB1#25  | 23.55          | 18.94     | 50          | PASS    |
|                |           |                |              | RB1#49  | 23.56          | 18.95     | 50          | PASS    |
|                |           |                |              | RB25#0  | 22.13          | 17.52     | 50          | PASS    |
|                |           |                |              | RB25#13 | 22.08          | 17.47     | 50          | PASS    |
|                |           |                |              | RB25#25 | 21.91          | 17.3      | 50          | PASS    |
|                |           |                |              | RB50#0  | 22.21          | 17.6      | 50          | PASS    |
|                |           |                | HCH          | RB1#0   | 23.27          | 18.66     | 50          | PASS    |
|                |           |                |              | RB1#25  | 23.53          | 18.92     | 50          | PASS    |
|                |           |                |              | RB1#49  | 23.54          | 18.93     | 50          | PASS    |
|                |           |                |              | RB25#0  | 22.11          | 17.5      | 50          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                |              | RB25#13 | 22.07          | 17.46     | 50          | PASS    |
|                |           |                |              | RB25#25 | 21.89          | 17.28     | 50          | PASS    |
|                |           |                |              | RB50#0  | 22.2           | 17.59     | 50          | PASS    |
|                | LTE/TM2   | 1.4            | LCH          | RB1#0   | 21.66          | 17.05     | 50          | PASS    |
|                |           |                |              | RB1#3   | 21.96          | 17.35     | 50          | PASS    |
|                |           |                |              | RB1#5   | 21.89          | 17.28     | 50          | PASS    |
|                |           |                |              | RB3#0   | 21.82          | 17.21     | 50          | PASS    |
|                |           |                |              | RB3#2   | 21.96          | 17.35     | 50          | PASS    |
|                |           |                |              | RB3#3   | 21.96          | 17.35     | 50          | PASS    |
|                |           |                |              | RB6#0   | 20.74          | 16.13     | 50          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.84          | 17.23     | 50          | PASS    |
|                |           |                |              | RB1#3   | 22.03          | 17.42     | 50          | PASS    |
|                |           |                |              | RB1#5   | 21.86          | 17.25     | 50          | PASS    |
|                |           |                |              | RB3#0   | 21.81          | 17.2      | 50          | PASS    |
|                |           |                |              | RB3#2   | 21.95          | 17.34     | 50          | PASS    |
|                |           |                |              | RB3#3   | 21.95          | 17.34     | 50          | PASS    |
|                |           |                |              | RB6#0   | 20.71          | 16.1      | 50          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 21.77          | 17.16     | 50          | PASS    |
|                |           |                |              | RB1#3   | 22.02          | 17.41     | 50          | PASS    |
|                |           |                |              | RB1#5   | 21.87          | 17.26     | 50          | PASS    |
|                |           |                |              | RB3#0   | 21.81          | 17.2      | 50          | PASS    |
|                |           |                |              | RB3#2   | 21.92          | 17.31     | 50          | PASS    |
|                |           |                |              | RB3#3   | 21.91          | 17.3      | 50          | PASS    |
|                |           |                |              | RB6#0   | 20.83          | 16.22     | 50          | PASS    |
|                |           | 3              | LCH          | RB1#0   | 21.31          | 16.7      | 50          | PASS    |
|                |           |                |              | RB1#7   | 21.94          | 17.33     | 50          | PASS    |
|                |           |                |              | RB1#14  | 21.76          | 17.15     | 50          | PASS    |
|                |           |                |              | RB8#0   | 20.69          | 16.08     | 50          | PASS    |
|                |           |                |              | RB8#4   | 20.88          | 16.27     | 50          | PASS    |
|                |           |                |              | RB8#7   | 20.91          | 16.3      | 50          | PASS    |
|                |           |                |              | RB15#0  | 20.75          | 16.14     | 50          | PASS    |
|                |           |                | MCH          | RB1#0   | 21.59          | 16.98     | 50          | PASS    |
|                |           |                |              | RB1#7   | 21.83          | 17.22     | 50          | PASS    |
|                |           |                |              | RB1#14  | 21.56          | 16.95     | 50          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                |              | RB8#0   | 20.62          | 16.01     | 50          | PASS    |
|                |           |                |              | RB8#4   | 20.76          | 16.15     | 50          | PASS    |
|                |           |                |              | RB8#7   | 20.72          | 16.11     | 50          | PASS    |
|                |           |                |              | RB15#0  | 20.66          | 16.05     | 50          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.35          | 16.74     | 50          | PASS    |
|                |           |                |              | RB1#7   | 21.85          | 17.24     | 50          | PASS    |
|                |           |                |              | RB1#14  | 21.75          | 17.14     | 50          | PASS    |
|                |           |                |              | RB8#0   | 20.61          | 16        | 50          | PASS    |
|                |           |                |              | RB8#4   | 20.71          | 16.1      | 50          | PASS    |
|                |           |                |              | RB8#7   | 20.79          | 16.18     | 50          | PASS    |
|                |           |                |              | RB15#0  | 20.59          | 15.98     | 50          | PASS    |
|                |           | 5              | LCH          | RB1#0   | 21.83          | 17.22     | 50          | PASS    |
|                |           |                |              | RB1#13  | 22.73          | 18.12     | 50          | PASS    |
|                |           |                |              | RB1#24  | 22.01          | 17.4      | 50          | PASS    |
|                |           |                |              | RB12#0  | 21.25          | 16.64     | 50          | PASS    |
|                |           |                |              | RB12#6  | 21.55          | 16.94     | 50          | PASS    |
|                |           |                |              | RB12#13 | 21.23          | 16.62     | 50          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                |              | RB25#0  | 21.21          | 16.6      | 50          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.09          | 17.48     | 50          | PASS    |
|                |           |                |              | RB1#13  | 22.61          | 18        | 50          | PASS    |
|                |           |                |              | RB1#24  | 21.81          | 17.2      | 50          | PASS    |
|                |           |                |              | RB12#0  | 21.2           | 16.59     | 50          | PASS    |
|                |           |                |              | RB12#6  | 21.34          | 16.73     | 50          | PASS    |
|                |           |                |              | RB12#13 | 21.1           | 16.49     | 50          | PASS    |
|                |           |                |              | RB25#0  | 20.99          | 16.38     | 50          | PASS    |
|                |           |                | HCH          | RB1#0   | 21.89          | 17.28     | 50          | PASS    |
|                |           |                |              | RB1#13  | 22.52          | 17.91     | 50          | PASS    |
|                |           |                |              | RB1#24  | 22.03          | 17.42     | 50          | PASS    |
|                |           |                |              | RB12#0  | 21.1           | 16.49     | 50          | PASS    |
|                |           |                |              | RB12#6  | 21.2           | 16.59     | 50          | PASS    |
|                |           |                |              | RB12#13 | 21.06          | 16.45     | 50          | PASS    |
|                |           |                |              | RB25#0  | 21.02          | 16.41     | 50          | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.47          | 17.86     | 50          | PASS    |
|                |           |                |              | RB1#25  | 22.66          | 18.05     | 50          | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                |              | RB1#49  | 22.67          | 18.06     | 50          | PASS    |
|                |           |                |              | RB25#0  | 21.13          | 16.52     | 50          | PASS    |
|                |           |                |              | RB25#13 | 21.08          | 16.47     | 50          | PASS    |
|                |           |                |              | RB25#25 | 20.91          | 16.3      | 50          | PASS    |
|                |           |                |              | RB50#0  | 21.17          | 16.56     | 50          | PASS    |
|                |           |                | MCH          | RB1#0   | 22.38          | 17.77     | 50          | PASS    |
|                |           |                |              | RB1#25  | 22.64          | 18.03     | 50          | PASS    |
|                |           |                |              | RB1#49  | 22.67          | 18.06     | 50          | PASS    |
|                |           |                |              | RB25#0  | 21.1           | 16.49     | 50          | PASS    |
|                |           |                |              | RB25#13 | 21.05          | 16.44     | 50          | PASS    |
|                |           |                |              | RB25#25 | 20.88          | 16.27     | 50          | PASS    |
|                |           |                |              | RB50#0  | 21.16          | 16.55     | 50          | PASS    |
|                |           |                | HCH          | RB1#0   | 22.4           | 17.79     | 50          | PASS    |
|                |           |                |              | RB1#25  | 22.86          | 18.25     | 50          | PASS    |
|                |           |                |              | RB1#49  | 22.85          | 18.24     | 50          | PASS    |
|                |           |                |              | RB25#0  | 21.33          | 16.72     | 50          | PASS    |
|                |           |                |              | RB25#13 | 21.06          | 16.45     | 50          | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured [dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|----------------|-----------|-------------|---------|
|                |           |                |              | RB25#25 | 20.87          | 16.26     | 50          | PASS    |
|                |           |                |              | RB50#0  | 21.14          | 16.53     | 50          | 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: RBW > emission bandwidth, VBW > 3 x RBW.

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 |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND26             | LTE/TM1   | 1.4                  | LCH          | RB1#0   | 4.23         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.15         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.59         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.67         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.55         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.54         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.31         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.42         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.95         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.64         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.28         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.32         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.72         | 13         | PASS    |
|                    |           | 3                    | LCH          | RB1#0   | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.15         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.35         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.52         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.54         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#7   | 4.27         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.41         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.67         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.6          | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.66         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.95         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.38         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.67         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.58         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.82         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 4.42         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 3.99         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.05         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.4          | 13         | PASS    |
|                    |           |                      | MCH          | RB25#0  | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB1#0   | 4.39         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.16         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.65         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.45         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.4          | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.56         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.79         | 13         | PASS    |
|                    |           | 10                   | HCH          | RB1#0   | 4.48         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.02         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.25         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.43         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.78         | 13         | PASS    |
|                    |           |                      | LCH          | RB1#0   | 3.92         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.16         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.9          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.44         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB25#13 | 5.47         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.96         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 3.79         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.03         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.9          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.5          | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.88         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 3.8          | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.05         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.92         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.45         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.48         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.87         | 13         | PASS    |
|                    | LTE/TM2   | 1.4                  | LCH          | RB1#0   | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.02         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.08         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.59         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.44         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.35         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.09         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.38         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.36         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.34         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 6.1          | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.82         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.44         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.21         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.14         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.82         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.75         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.21         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           | 3                    | LCH          | RB1#0   | 5.48         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.51         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.87         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.35         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.48         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.67         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6.11         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 6.2          | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 6.32         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.23         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.7          | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 5.27         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.29         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 6.3          | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 6.19         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 6.22         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.54         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 5.2          | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.39         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.68         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.46         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.98         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.31         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.01         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.47         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.96         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.36         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.49         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.97         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.27         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB12#0  | 5.9          | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.78         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.47         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.71         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.9          | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.85         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.02         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.05         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.35         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.54         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.67         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.99         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.03         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.37         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.64         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.68         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.92         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.01         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 6.08         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.39         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.45         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

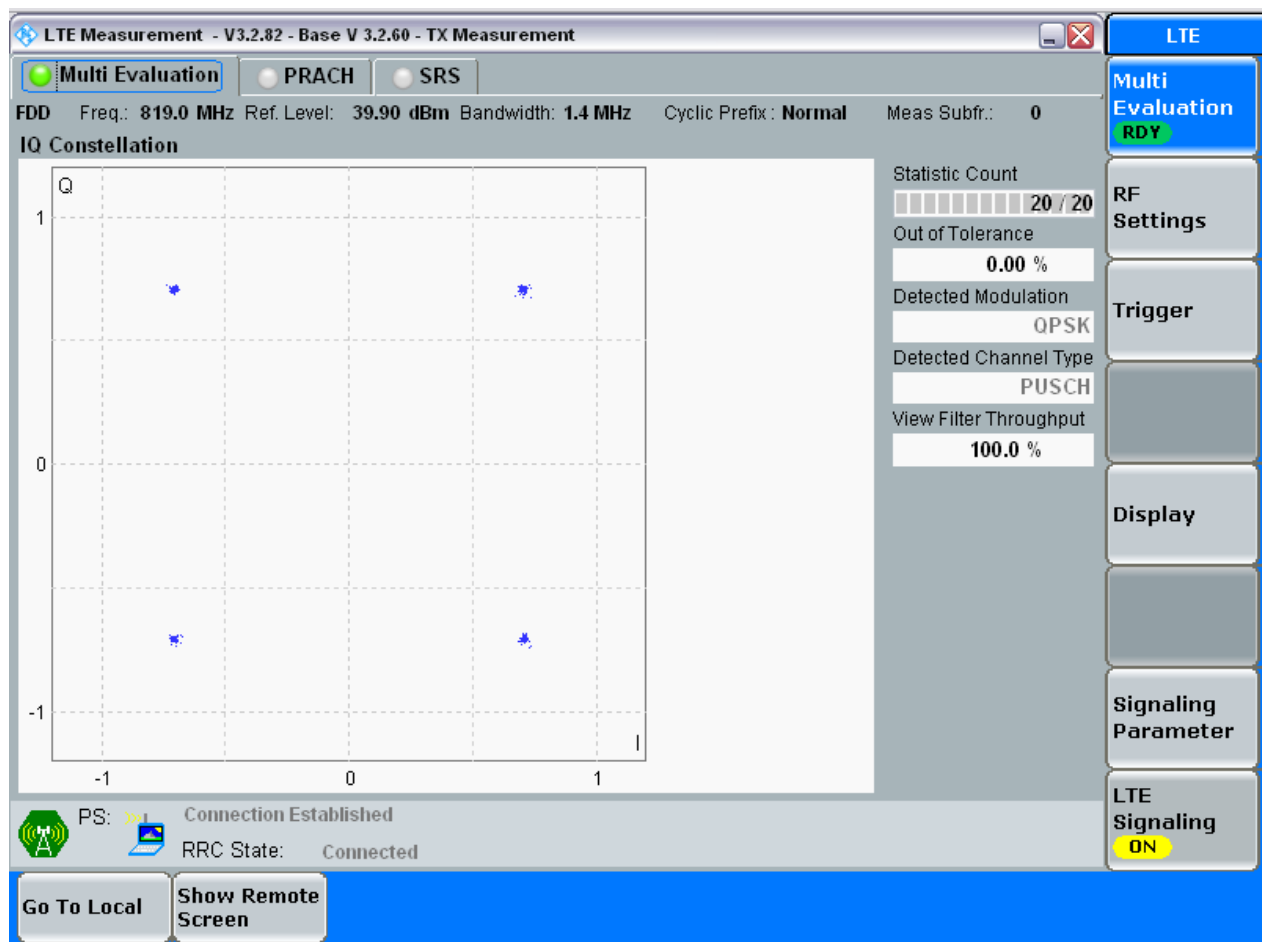
##### 3.1.1 Test Band = BAND26

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

##### 3.1.1.1.1 Test Bandwidth = 1.4

##### 3.1.1.1.1.1 Test Channel = MCH

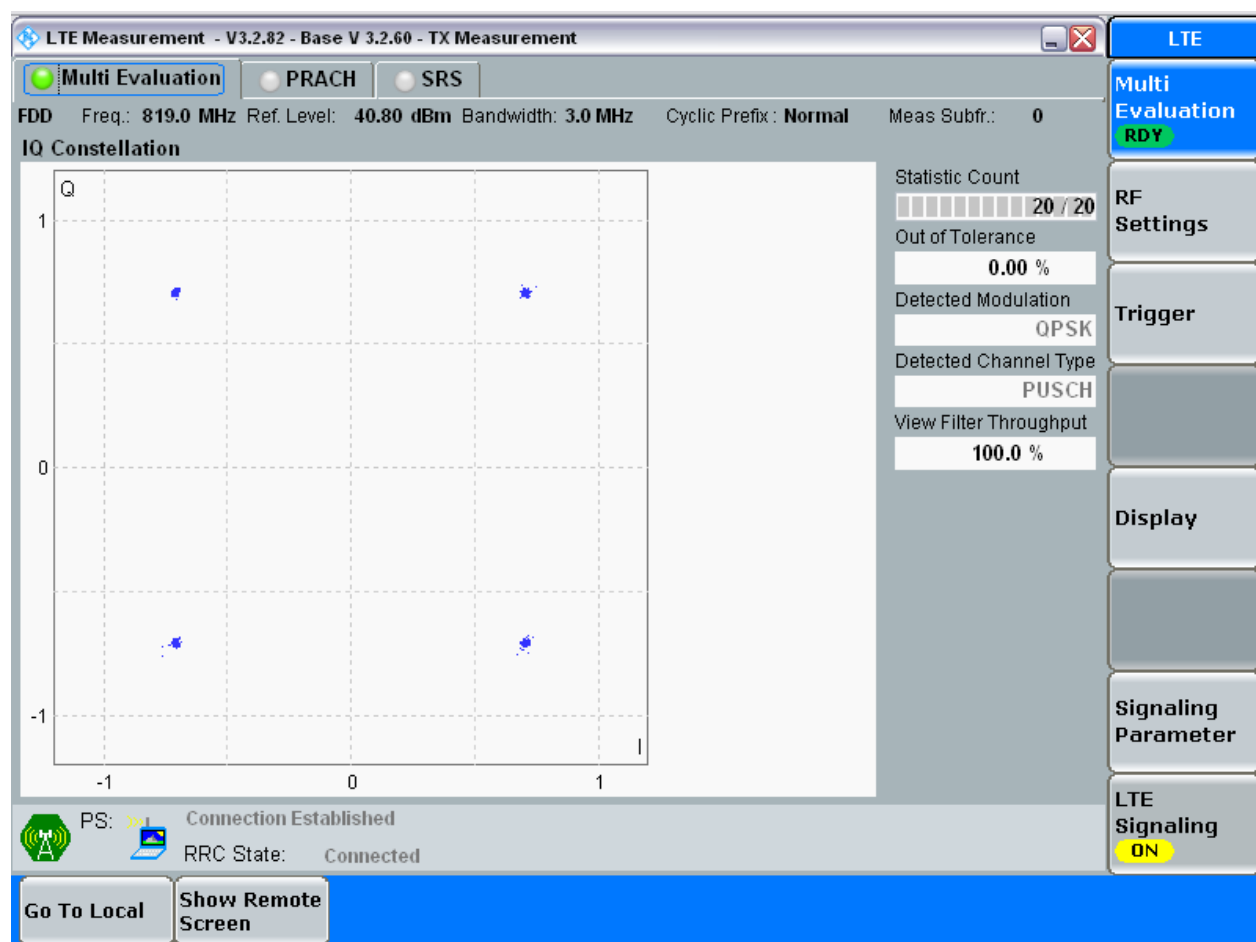
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

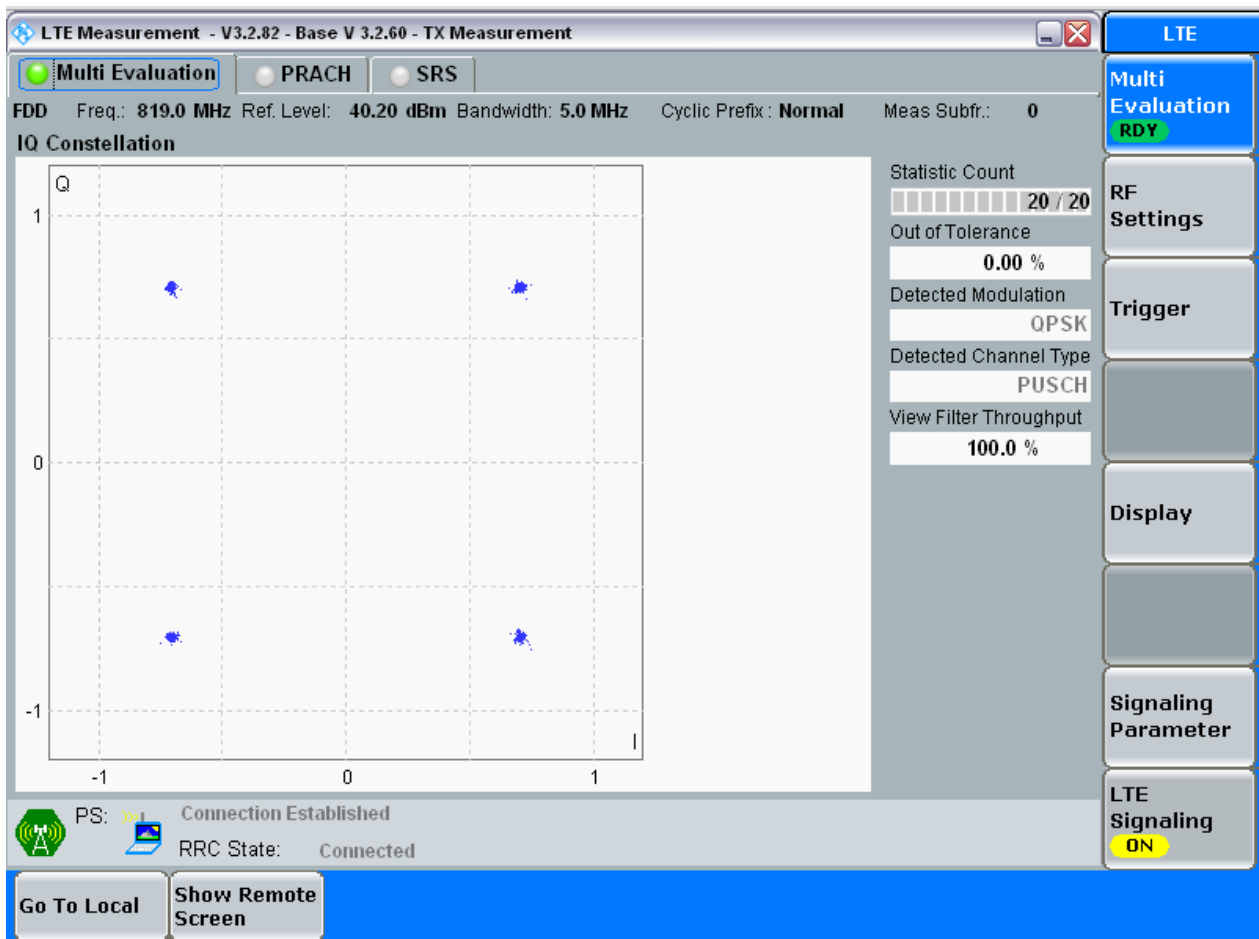
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

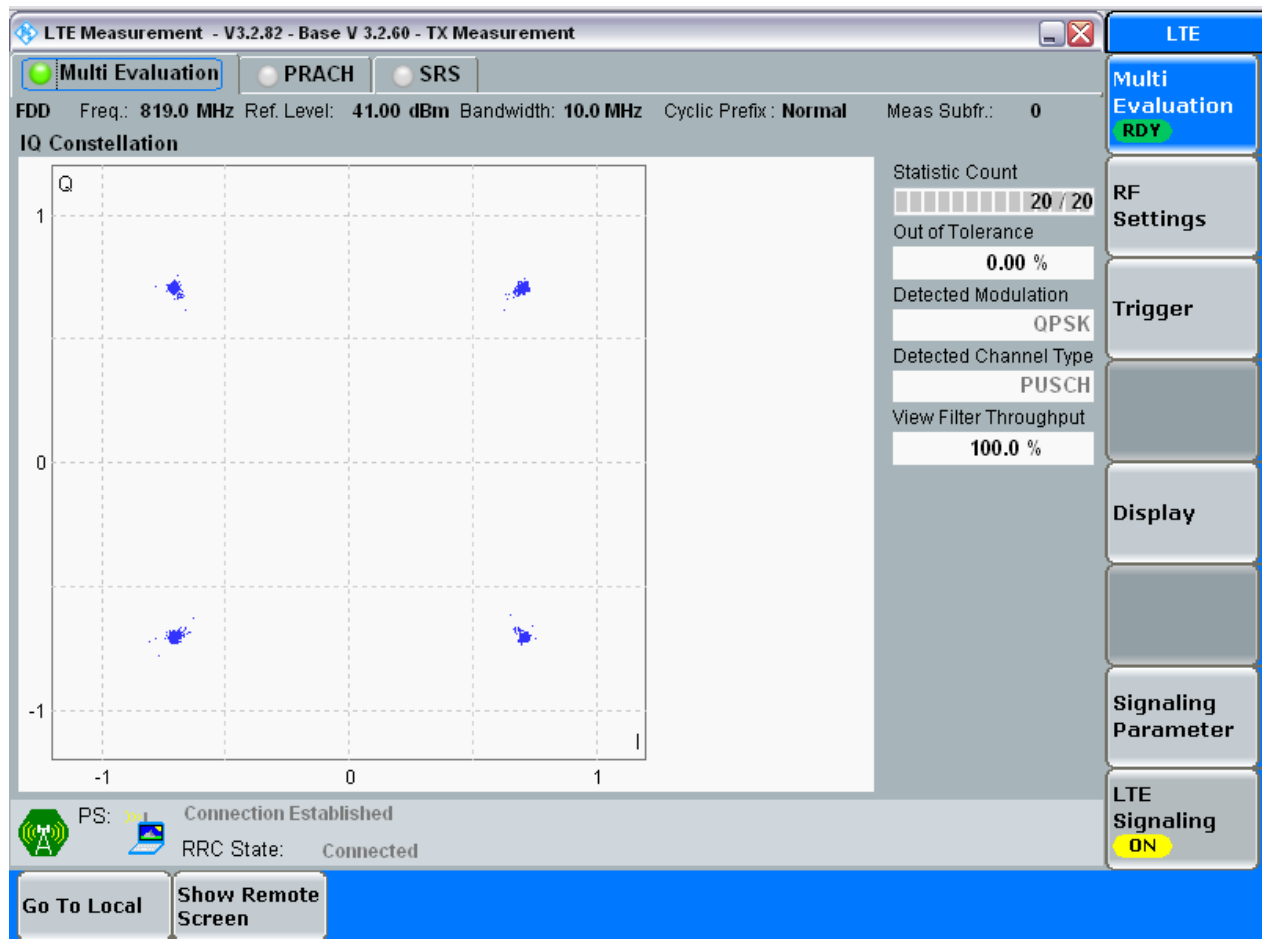
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

##### 3.1.1.1.4.1.1 Test RB = RB50#0

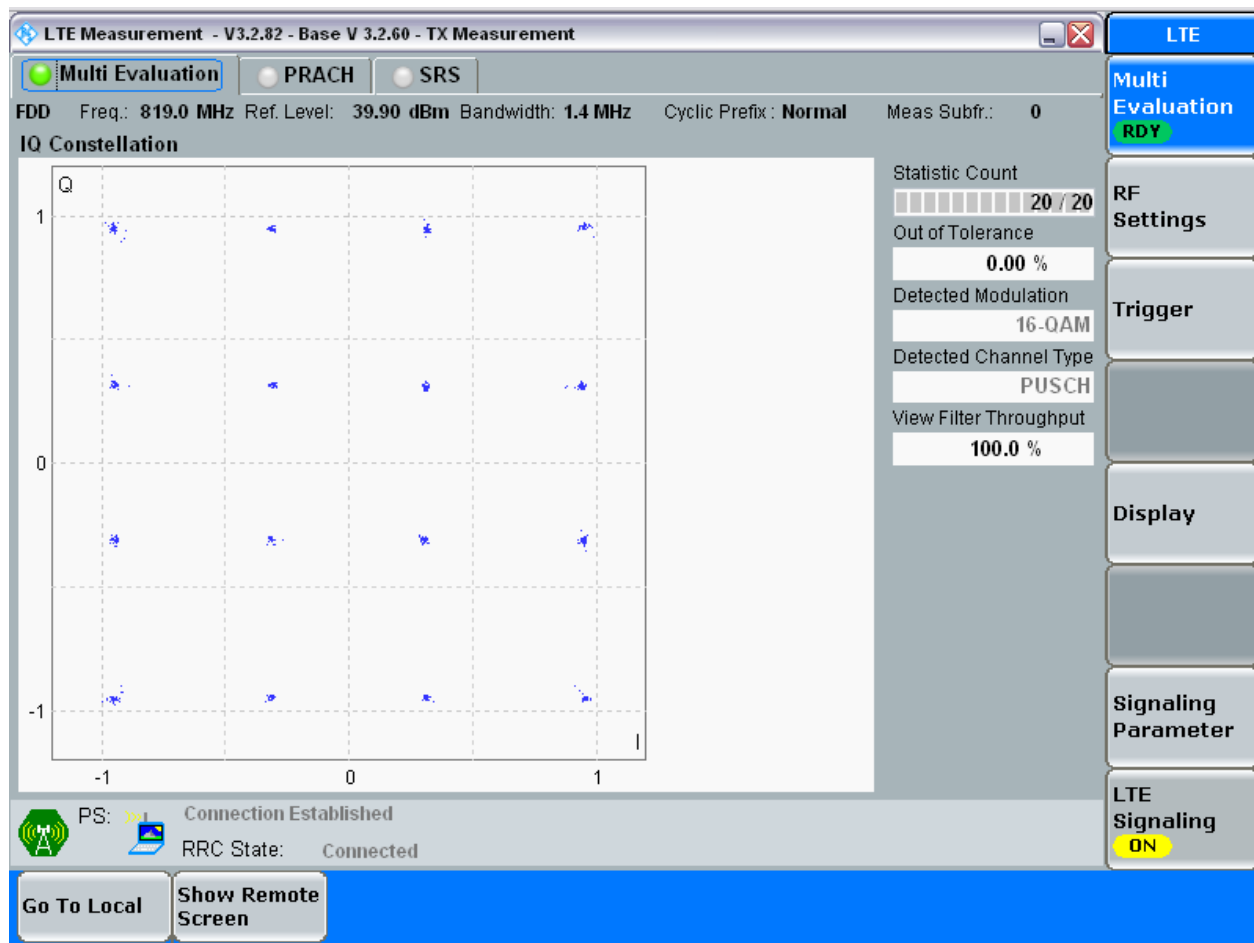


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

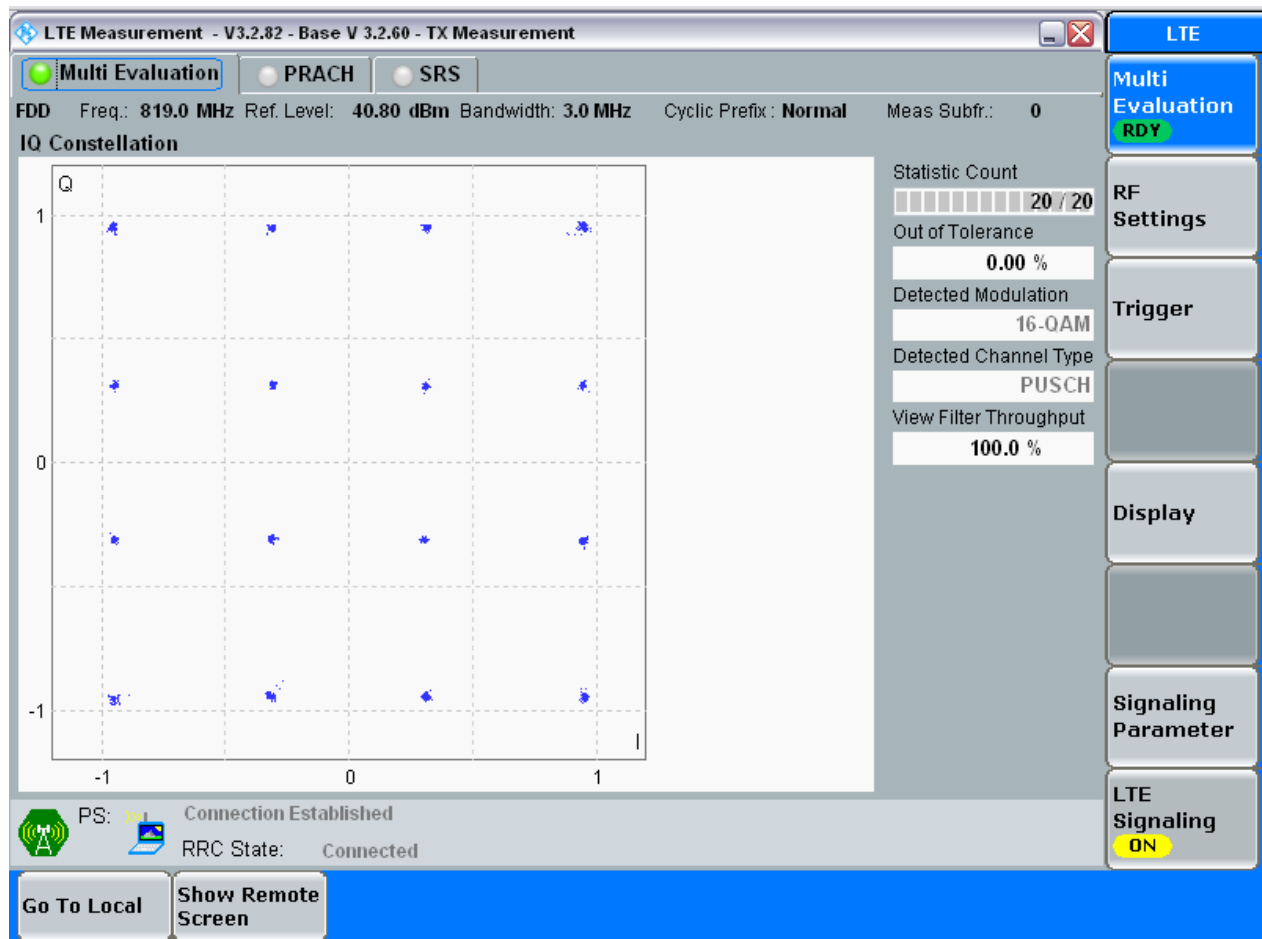
##### 3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

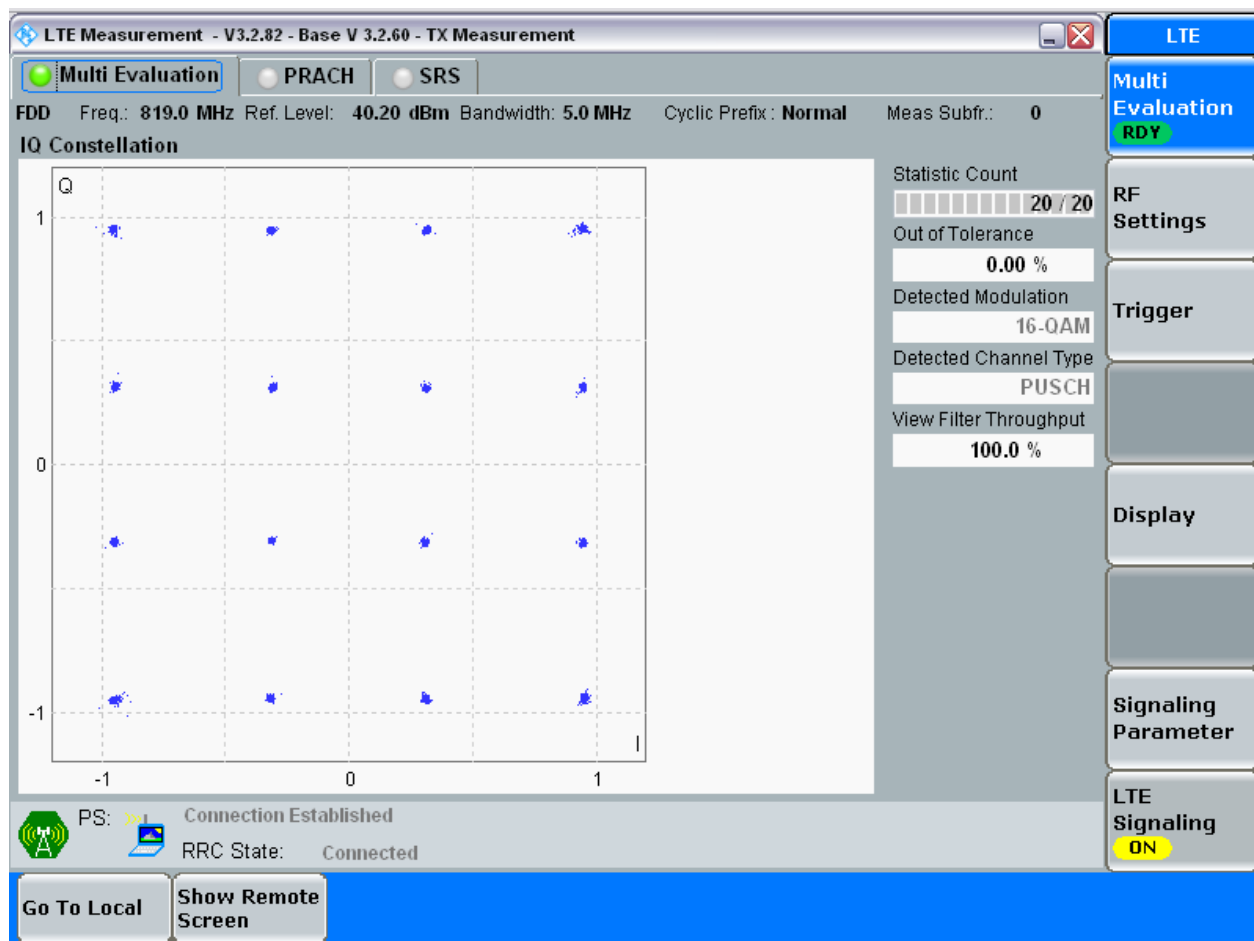
##### 3.1.1.2.2.1.1 Test RB = RB15#0



### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

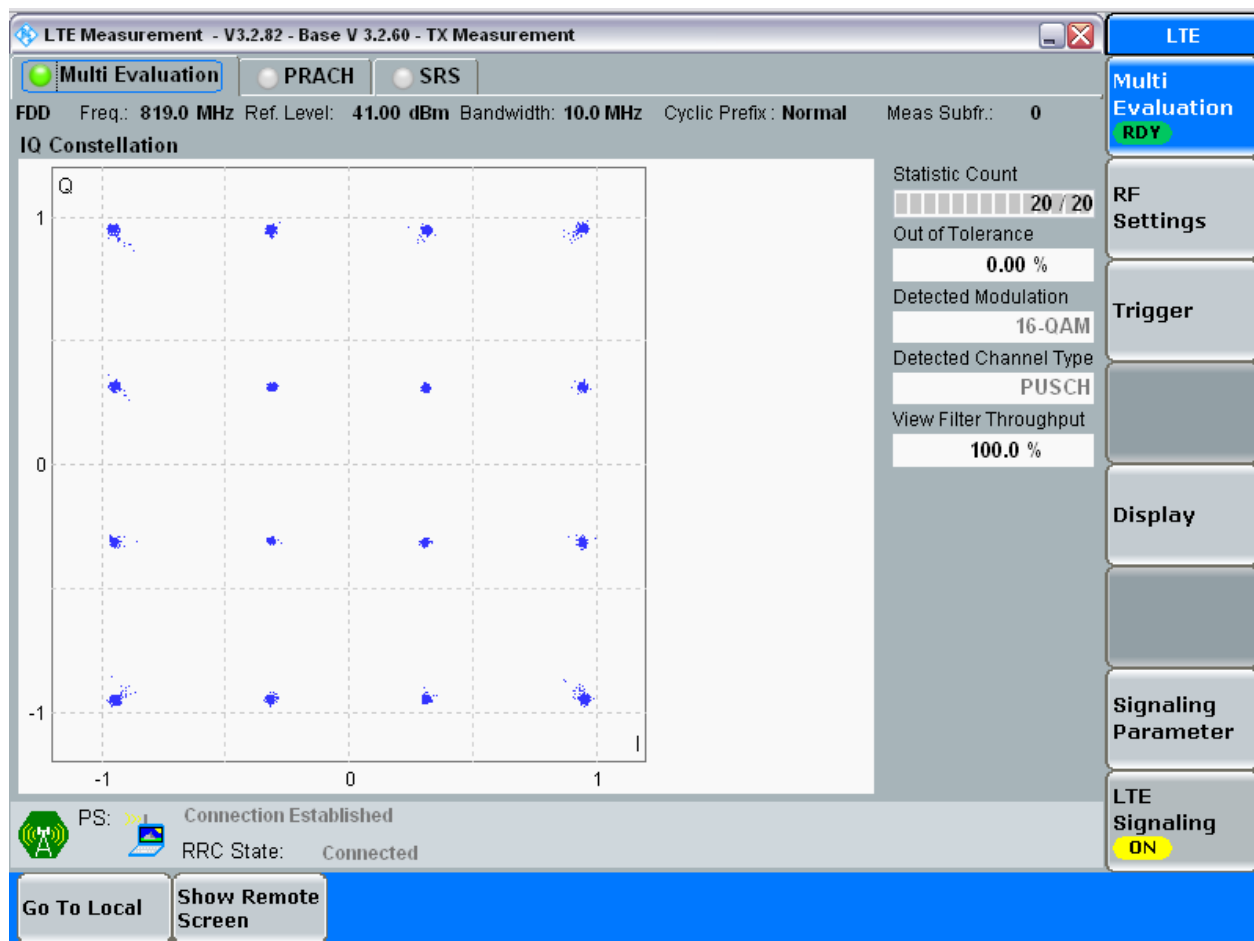
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

##### 3.1.1.2.4.1.1 Test RB = RB50#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 |
|-----------|-----------|----------------|-----------------|---------|--------------------------|--------------------------|---------|
| BAND26    | LTE/TM1   | 1.4            | LCH             | RB6#0   | 1.09                     | 1.22                     | Pass    |
|           |           |                | MCH             | RB6#0   | 1.09                     | 1.22                     | Pass    |
|           |           |                | HCH             | RB6#0   | 1.09                     | 1.23                     | Pass    |
|           |           | 3              | LCH             | RB15#0  | 2.70                     | 2.93                     | Pass    |
|           |           |                | MCH             | RB15#0  | 2.70                     | 2.91                     | Pass    |
|           |           |                | HCH             | RB15#0  | 2.70                     | 2.92                     | Pass    |
|           |           | 5              | LCH             | RB25#0  | 4.50                     | 4.86                     | Pass    |
|           |           |                | MCH             | RB25#0  | 4.49                     | 4.85                     | Pass    |
|           |           |                | HCH             | RB25#0  | 4.49                     | 4.86                     | Pass    |
|           |           | 10             | LCH/MC<br>H/HCH | RB50#0  | 9.01                     | 9.64                     | Pass    |
|           |           |                |                 | RB50#0  | 9.01                     | 9.62                     | Pass    |
|           |           |                |                 | RB50#0  | 9.01                     | 9.64                     | Pass    |
|           | LTE/TM2   | 1.4            | LCH             | RB6#0   | 1.09                     | 1.23                     | Pass    |
|           |           |                | MCH             | RB6#0   | 1.09                     | 1.22                     | Pass    |
|           |           |                | HCH             | RB6#0   | 1.09                     | 1.23                     | Pass    |
|           |           | 3              | LCH             | RB15#0  | 2.70                     | 2.93                     | Pass    |
|           |           |                | MCH             | RB15#0  | 2.70                     | 2.95                     | Pass    |
|           |           |                | HCH             | RB15#0  | 2.70                     | 2.93                     | Pass    |
|           |           | 5              | LCH             | RB25#0  | 4.49                     | 4.83                     | Pass    |
|           |           |                | MCH             | RB25#0  | 4.50                     | 4.84                     | Pass    |
|           |           |                | HCH             | RB25#0  | 4.49                     | 4.85                     | Pass    |
|           |           | 10             | LCH/MC<br>H/HCH | RB50#0  | 9.01                     | 9.65                     | Pass    |
|           |           |                |                 | RB50#0  | 9.00                     | 9.62                     | Pass    |
|           |           |                |                 | RB50#0  | 9.00                     | 9.63                     | Pass    |

## Part II - Test Plots

### 4.1 For LTE

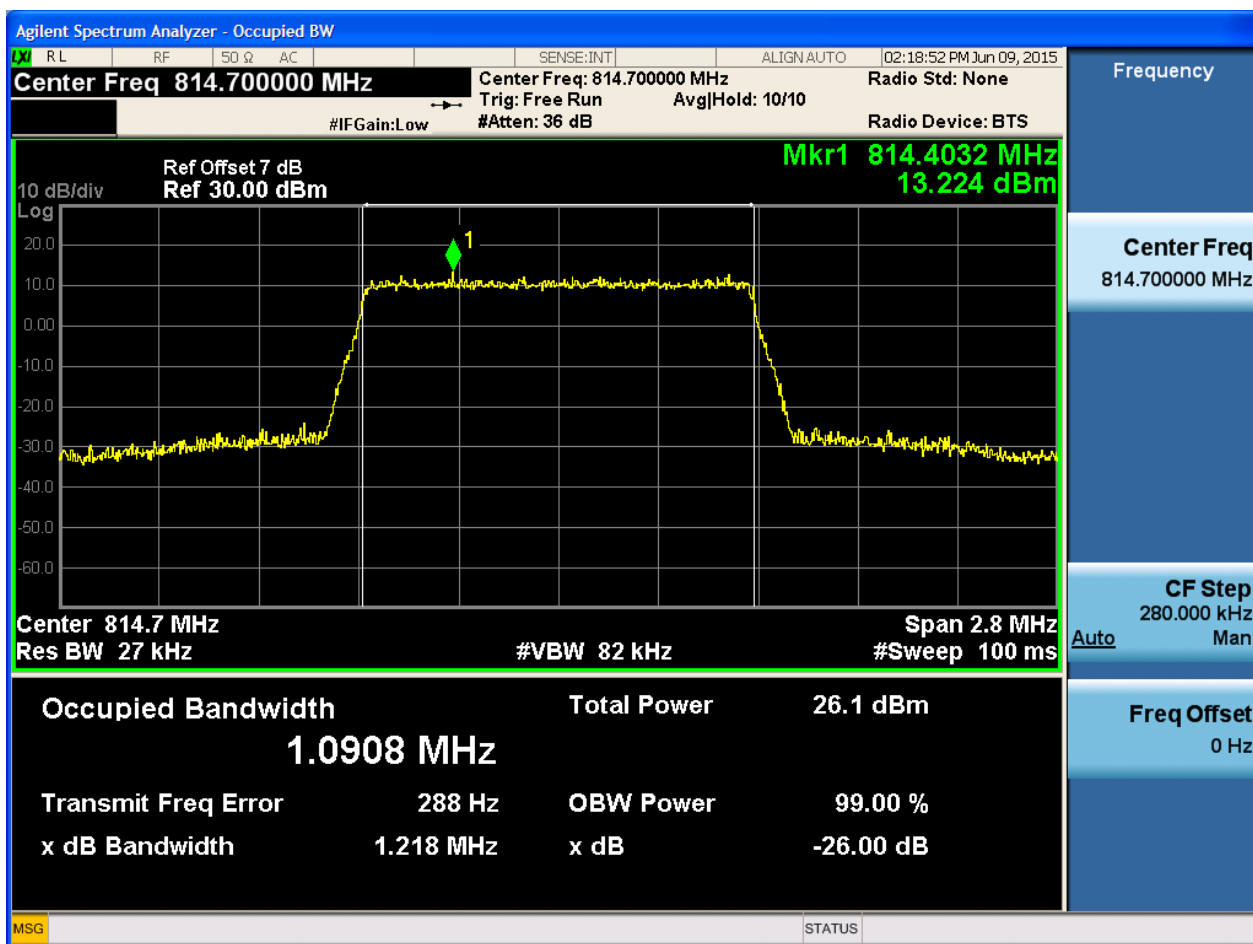
#### 4.1.1 Test Band = BAND26

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

##### 4.1.1.1.1 Test Bandwidth = 1.4

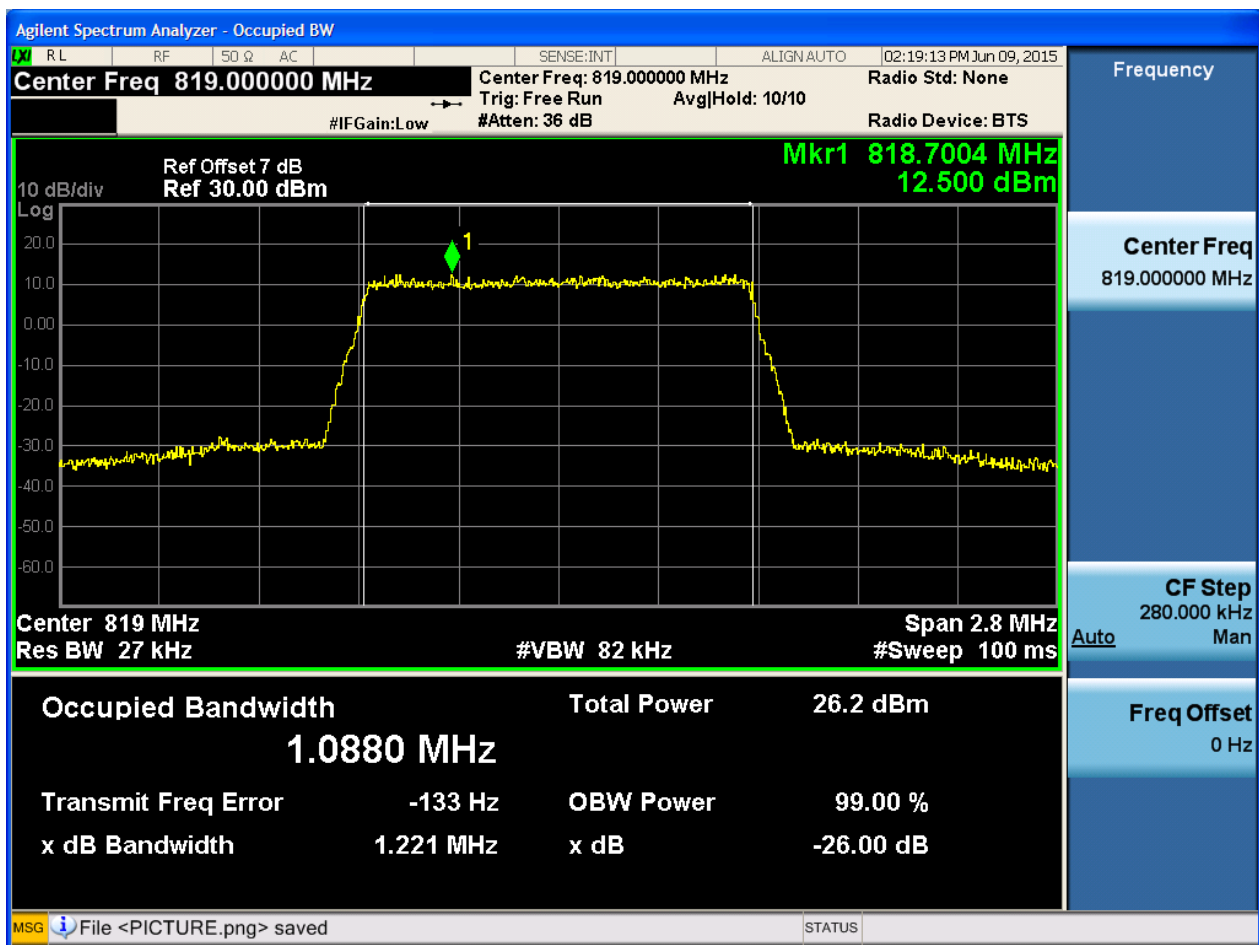
##### 4.1.1.1.1.1 Test Channel = LCH

##### 4.1.1.1.1.1.1 Test RB = RB6#0



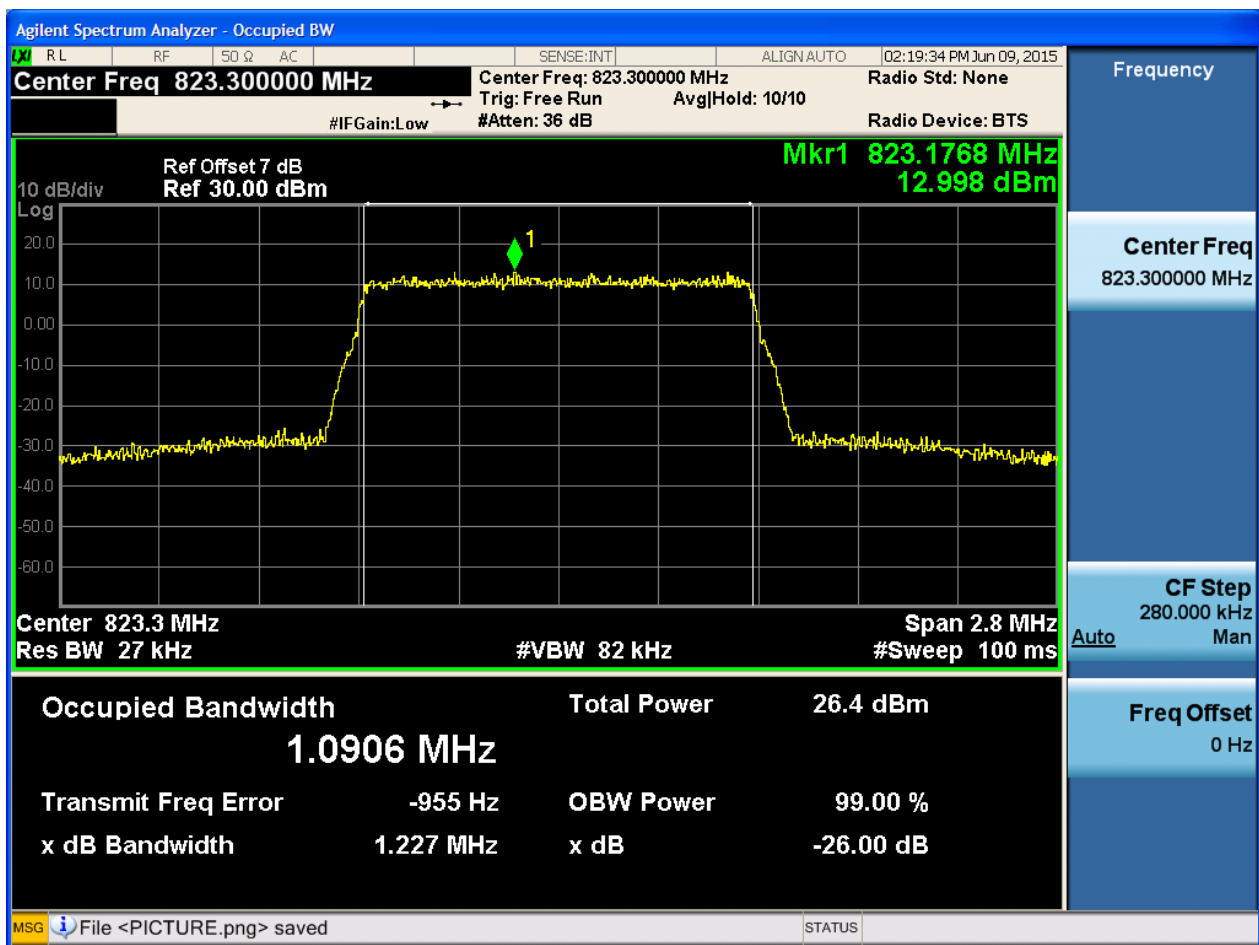
#### 4.1.1.1.1.2 Test Channel = MCH

##### 4.1.1.1.1.2.1 Test RB = RB6#0



#### 4.1.1.1.1.3 Test Channel = HCH

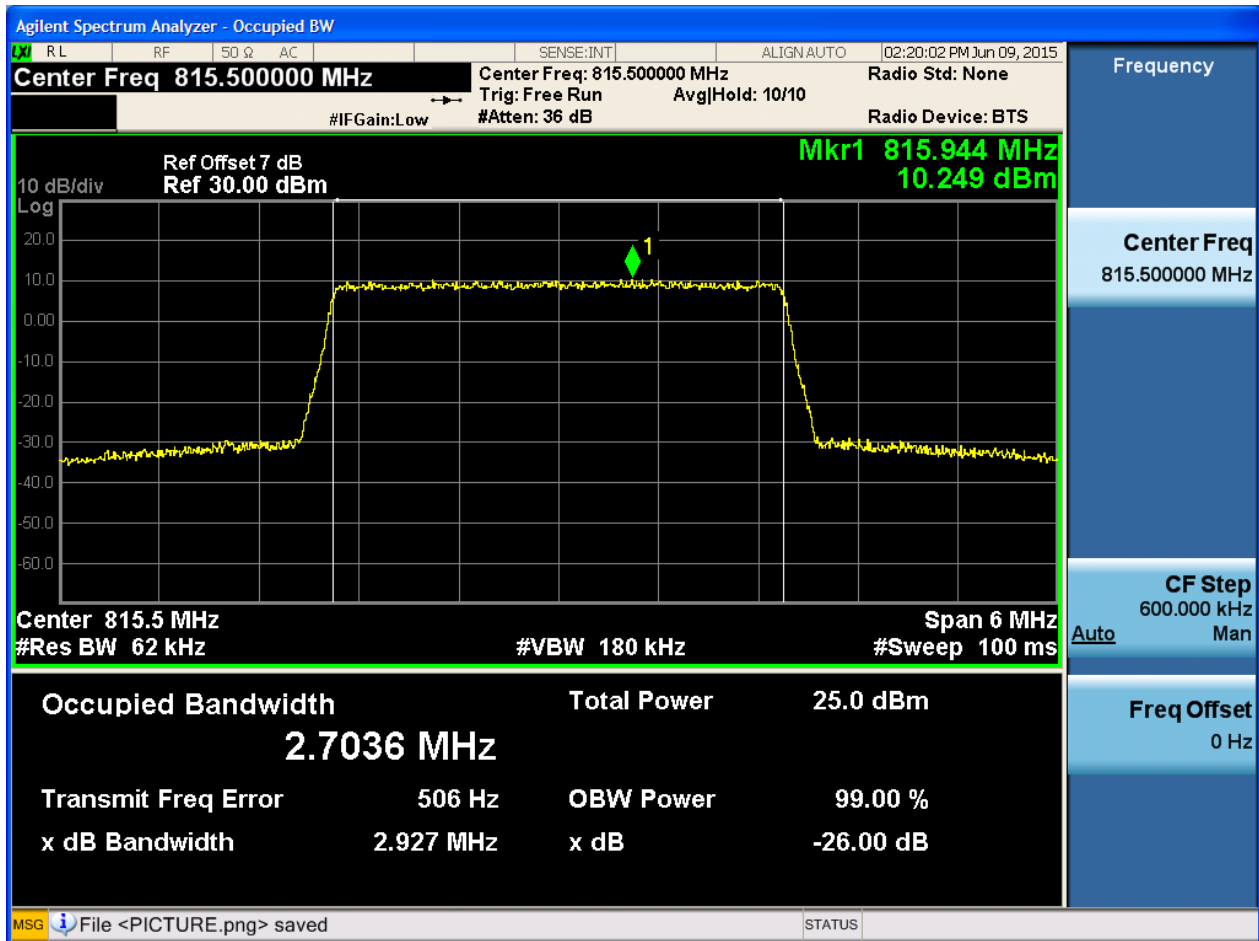
##### 4.1.1.1.1.3.1 Test RB = RB6#0



#### 4.1.1.1.2 Test Bandwidth = 3

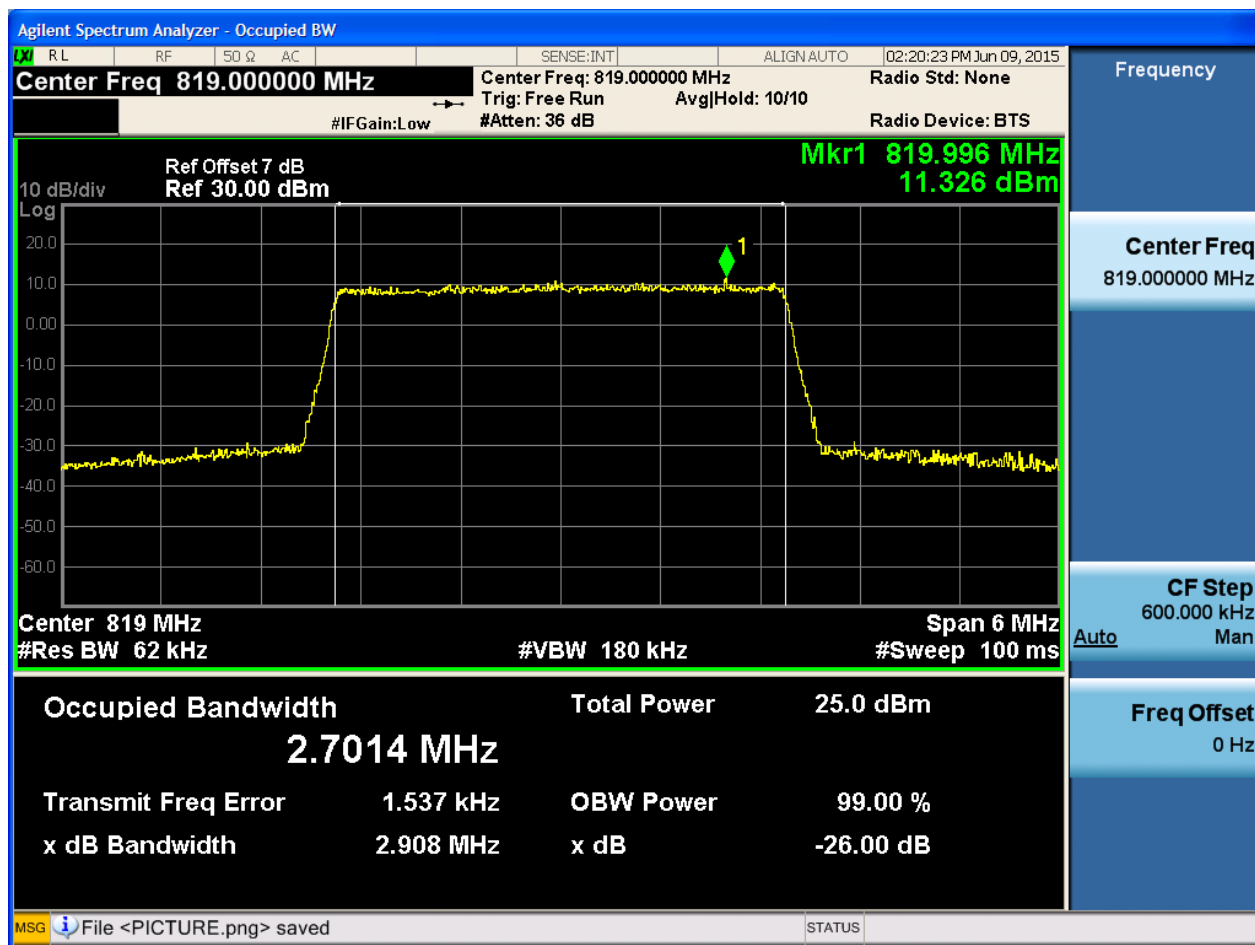
##### 4.1.1.1.2.1 Test Channel = LCH

##### 4.1.1.1.2.1.1 Test RB = RB15#0



#### 4.1.1.1.2.2 Test Channel = MCH

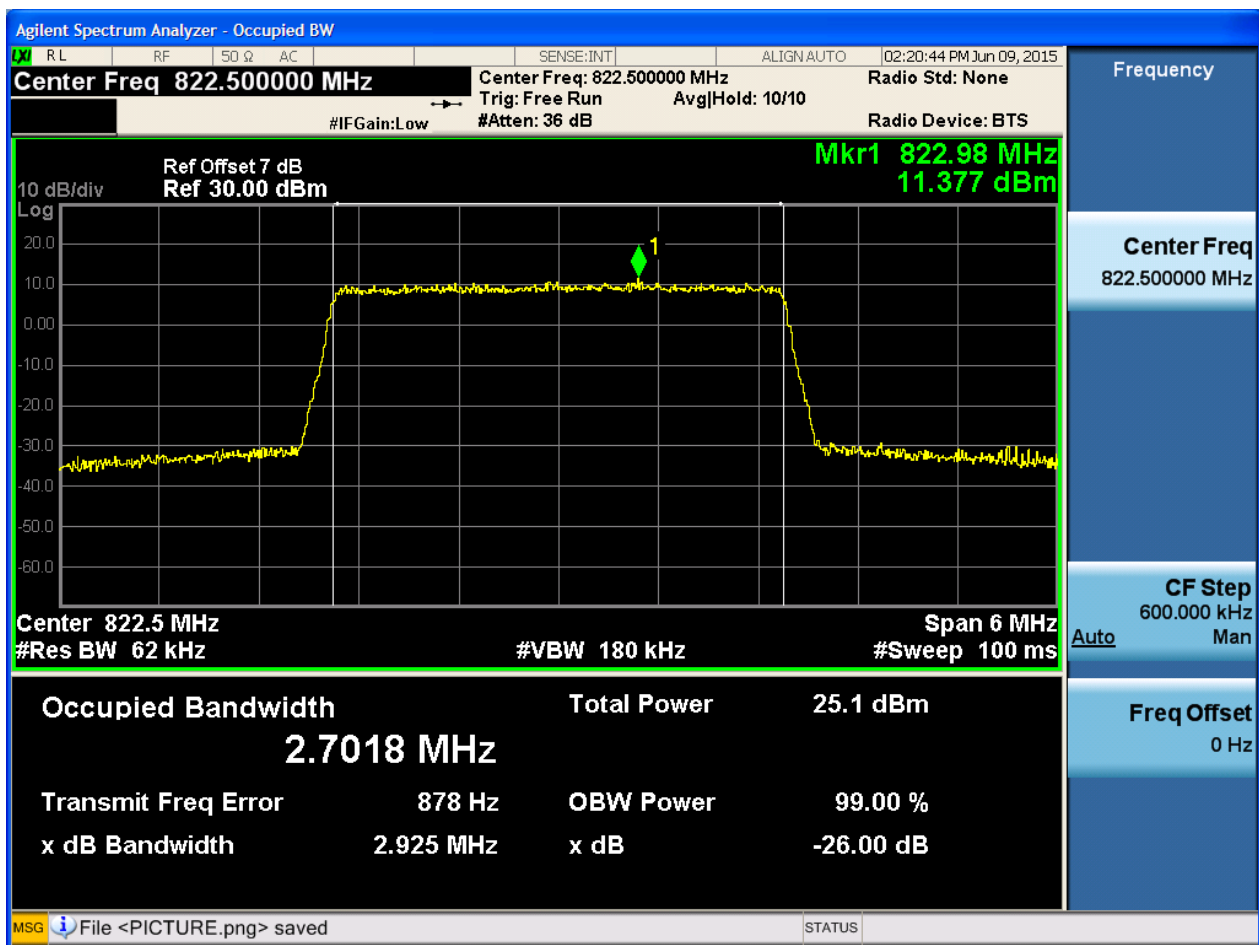
##### 4.1.1.1.2.2.1 Test RB = RB15#0





## 4.1.1.1.2.3 Test Channel = HCH

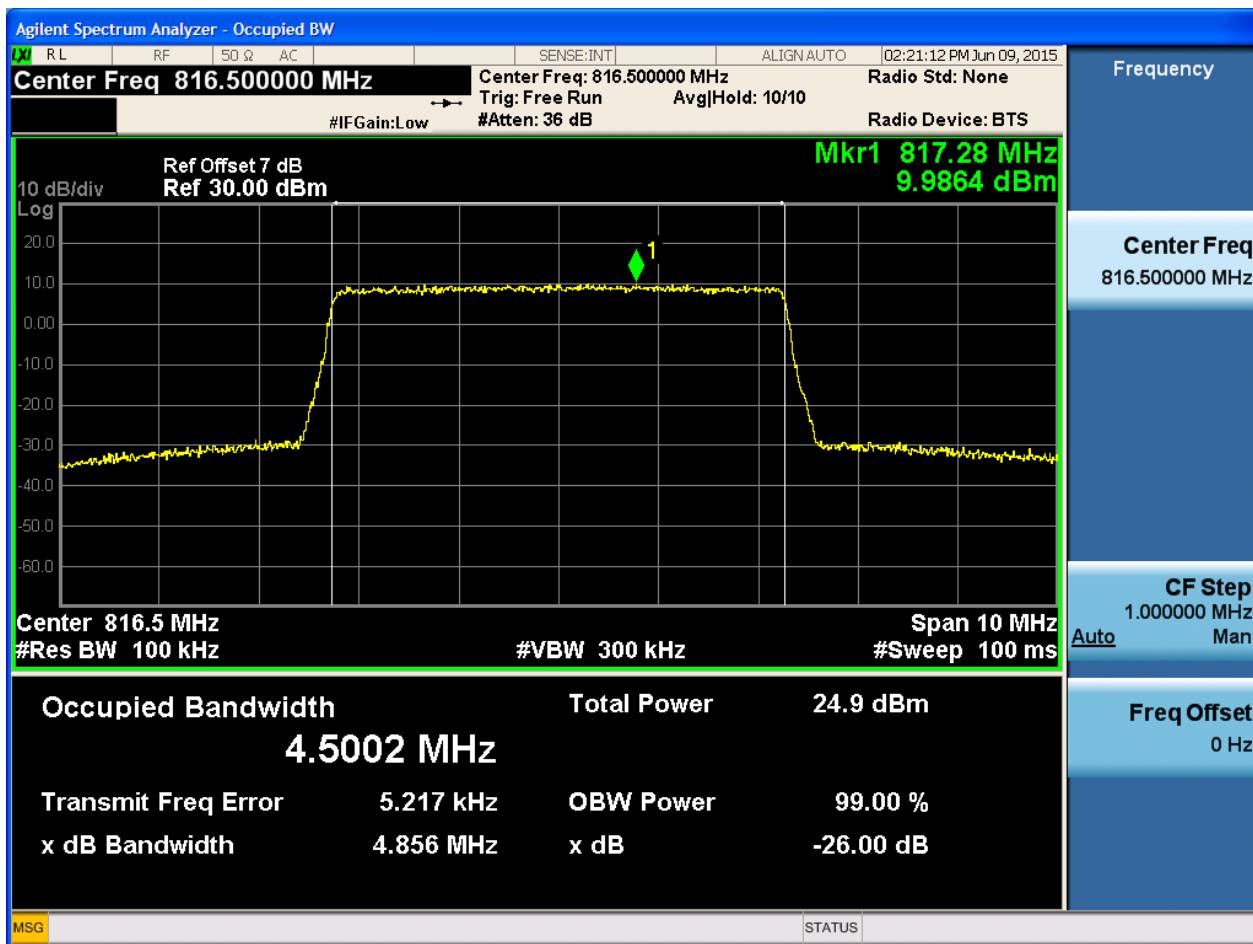
## 4.1.1.1.2.3.1 Test RB = RB15#0



#### 4.1.1.1.3 Test Bandwidth = 5

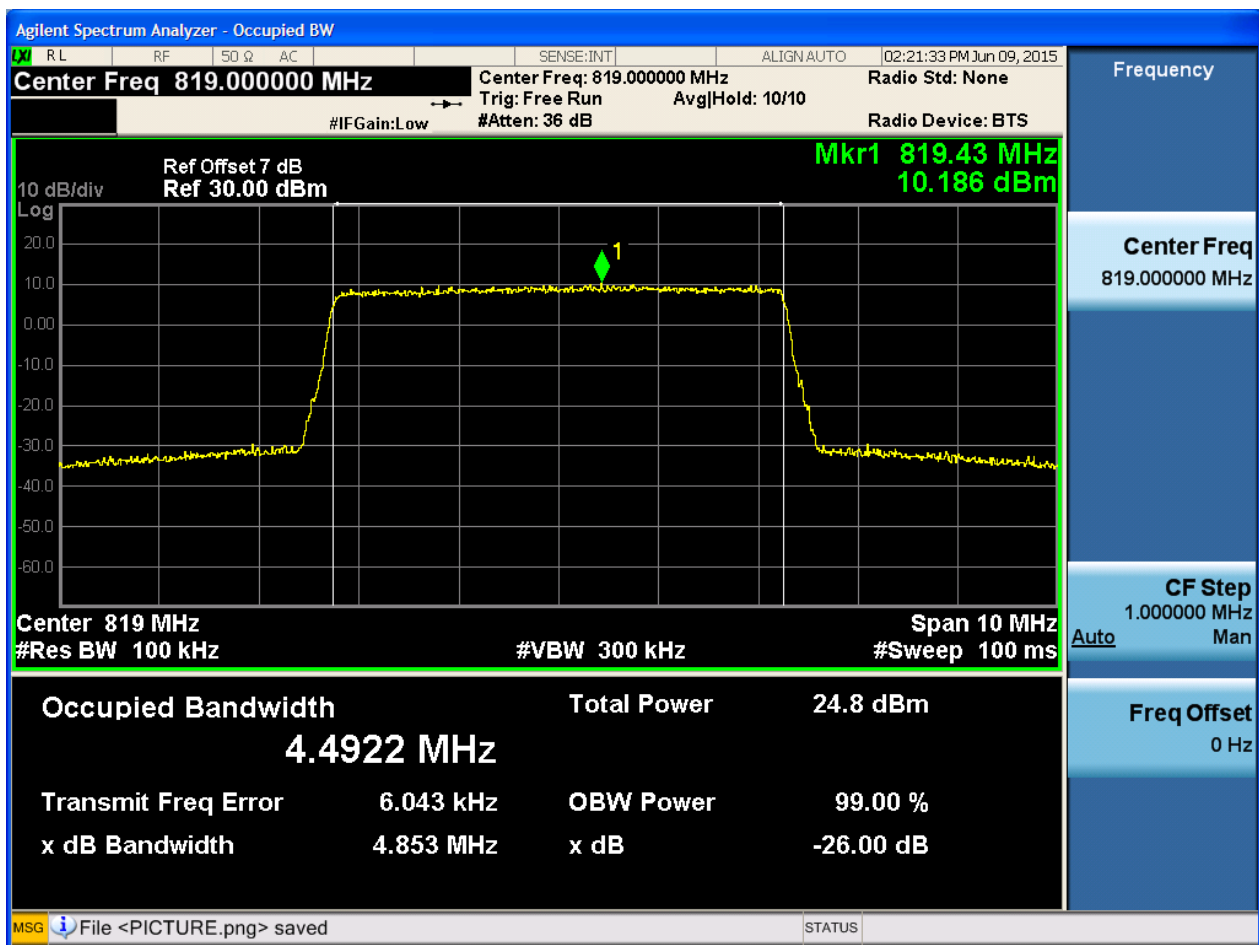
##### 4.1.1.1.3.1 Test Channel = LCH

##### 4.1.1.1.3.1.1 Test RB = RB25#0



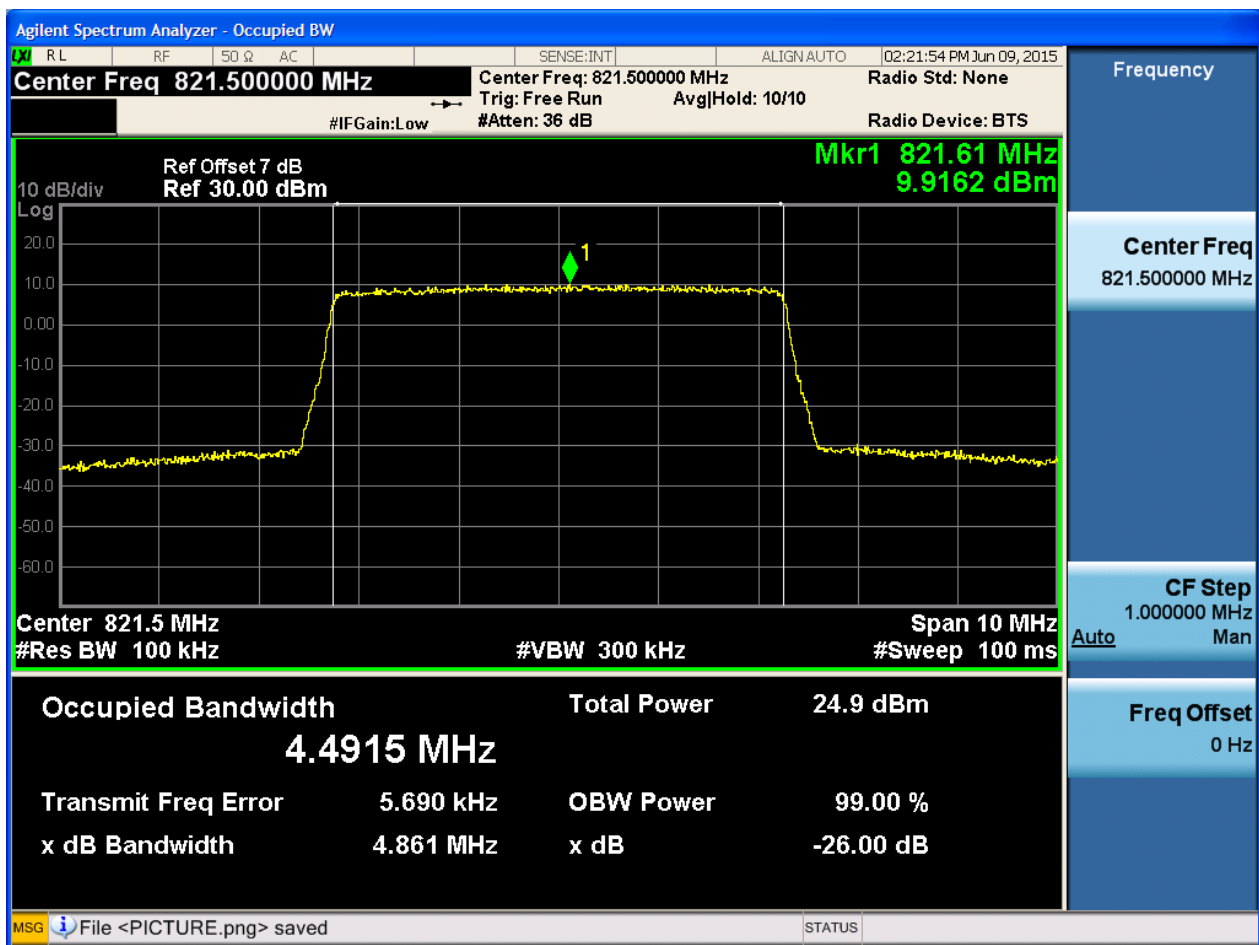
#### 4.1.1.1.3.2 Test Channel = MCH

##### 4.1.1.1.3.2.1 Test RB = RB25#0



#### 4.1.1.1.3.3 Test Channel = HCH

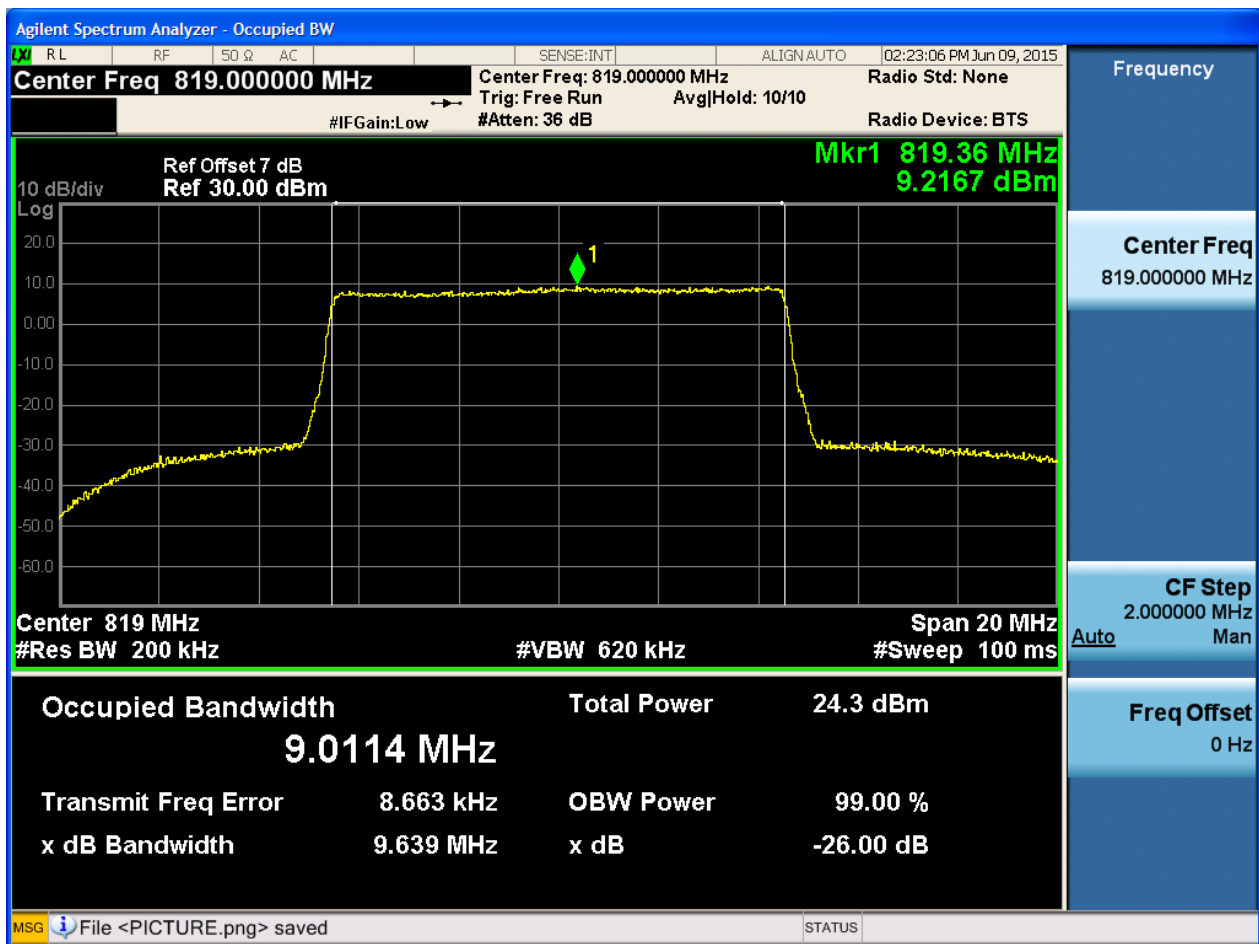
##### 4.1.1.1.3.3.1 Test RB = RB25#0



#### 4.1.1.1.4 Test Bandwidth = 10

##### 4.1.1.1.4.1 Test Channel = LCH

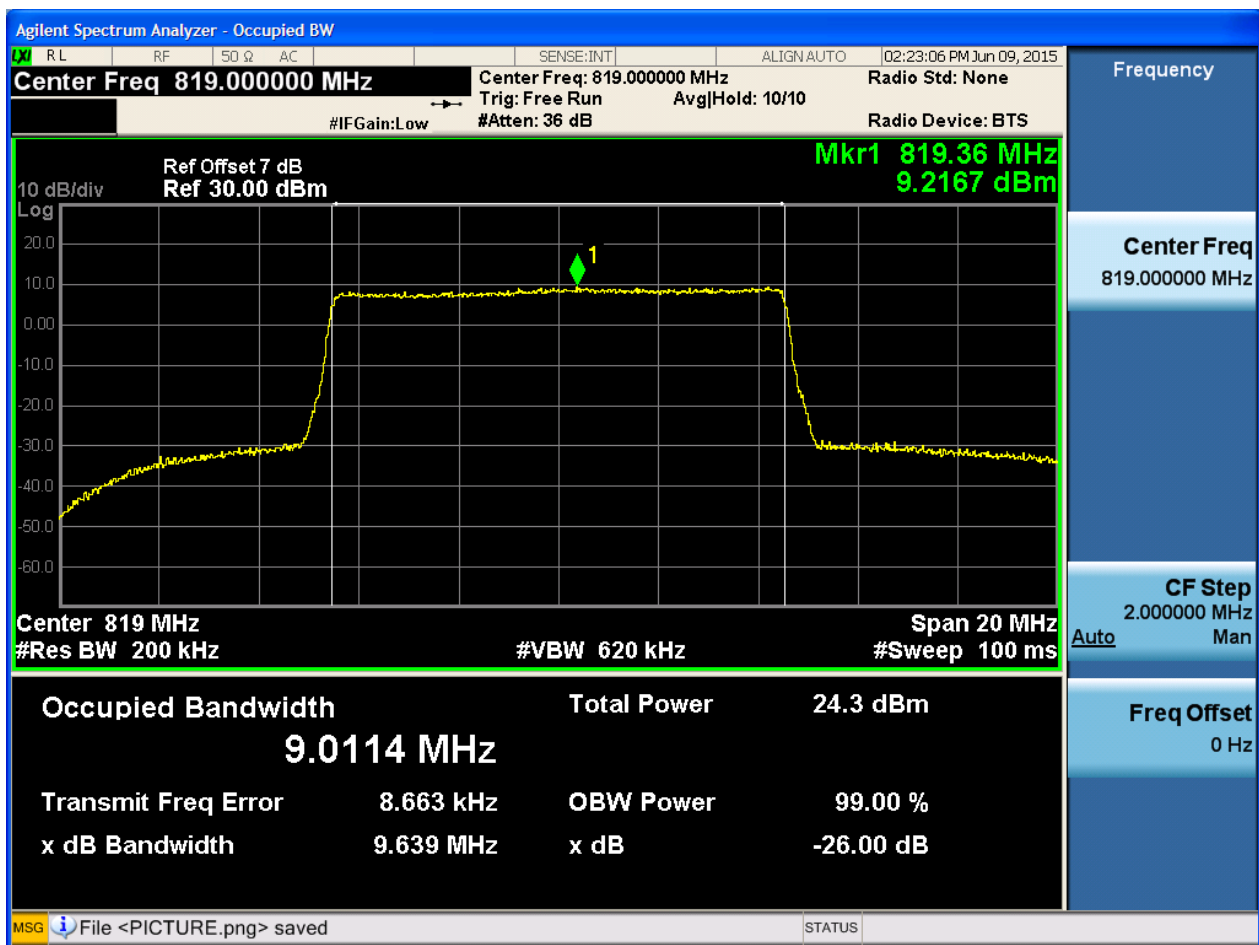
##### 4.1.1.1.4.1.1 Test RB = RB50#0





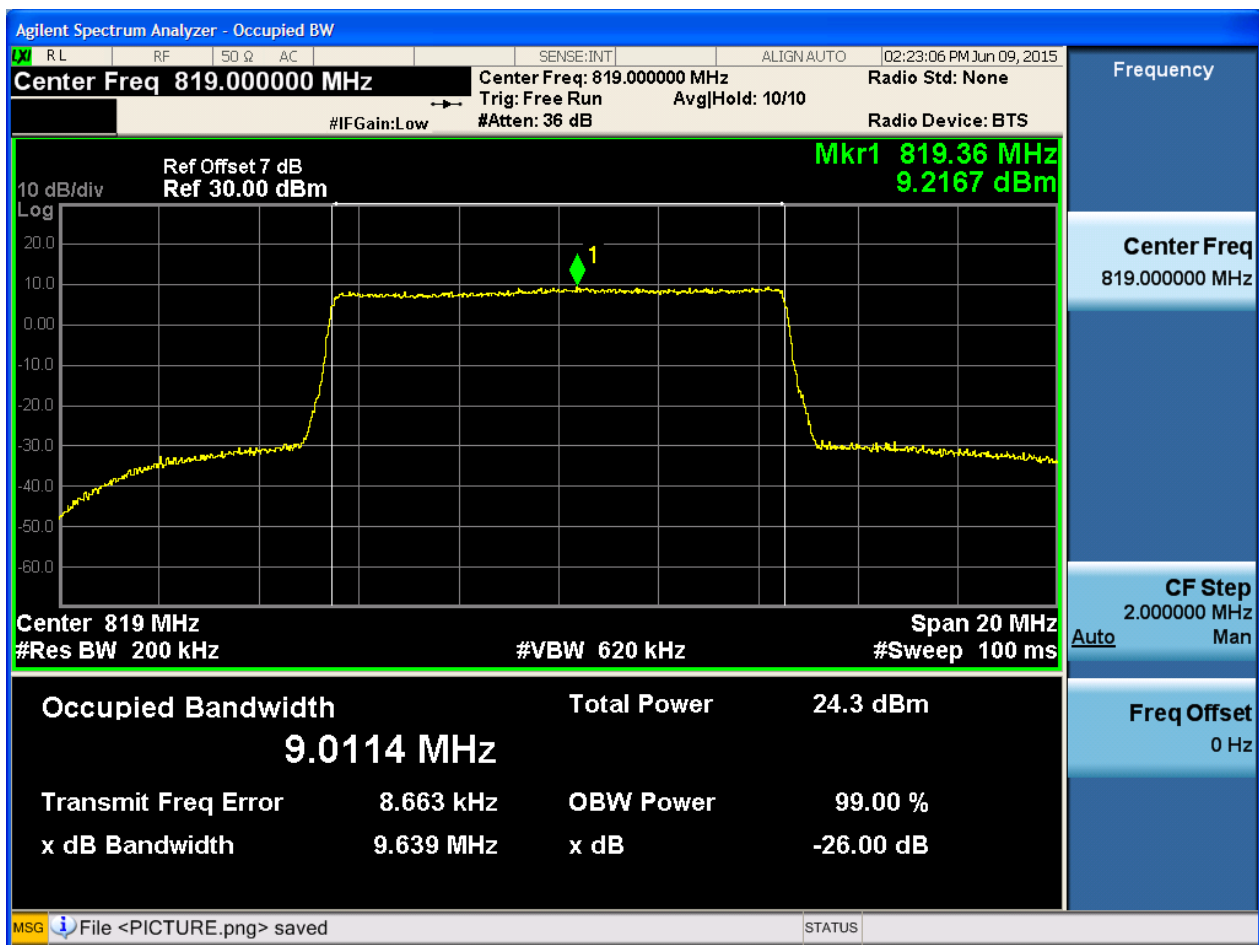
## 4.1.1.1.4.2 Test Channel = MCH

## 4.1.1.1.4.2.1 Test RB = RB50#0



#### 4.1.1.1.4.3 Test Channel = HCH

##### 4.1.1.1.4.3.1 Test RB = RB50#0



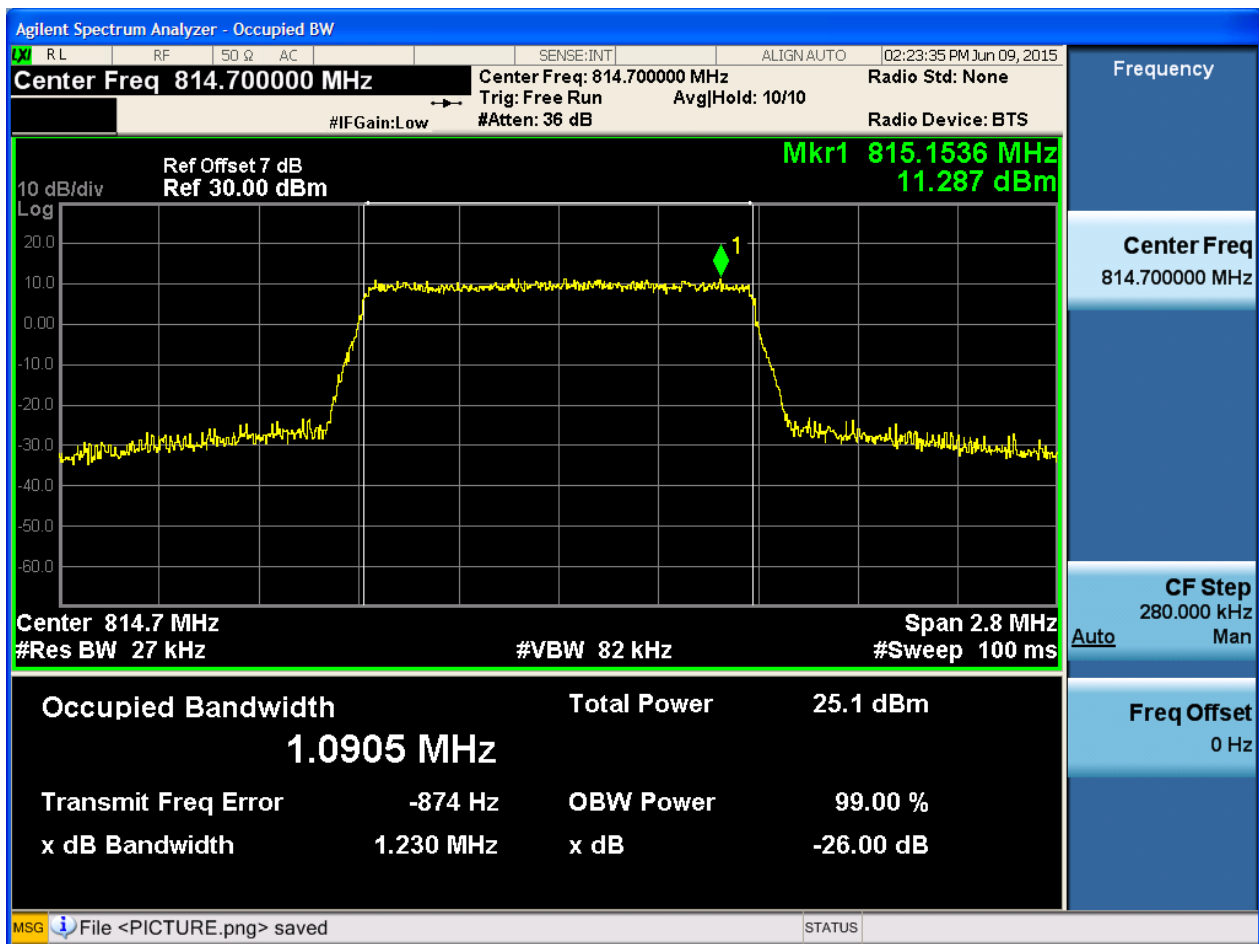


## 4.1.1.2 Test Mode = LTE/TM2

## 4.1.1.2.1 Test Bandwidth = 1.4

## 4.1.1.2.1.1 Test Channel = LCH

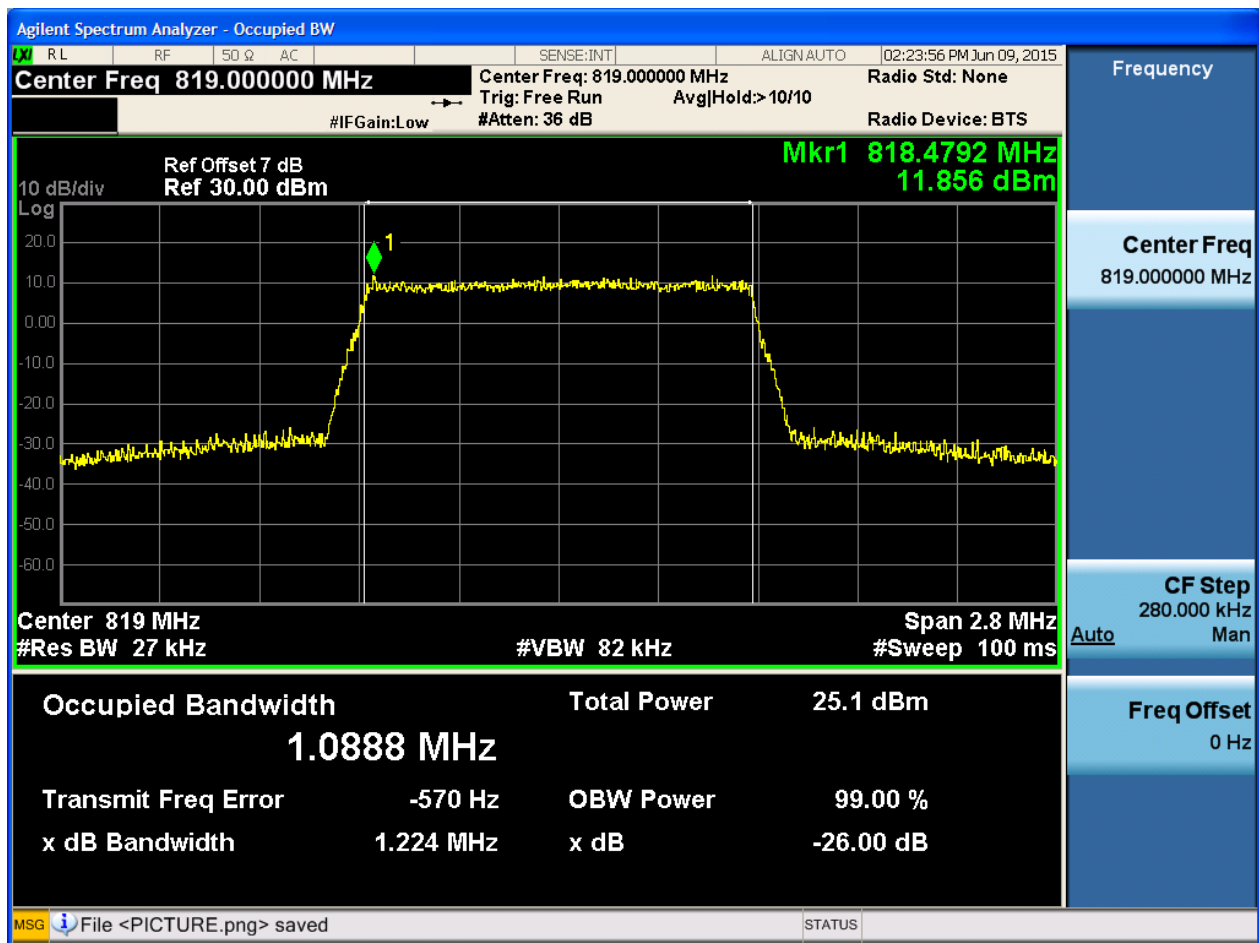
## 4.1.1.2.1.1.1 Test RB = RB6#0





## 4.1.1.2.1.2 Test Channel = MCH

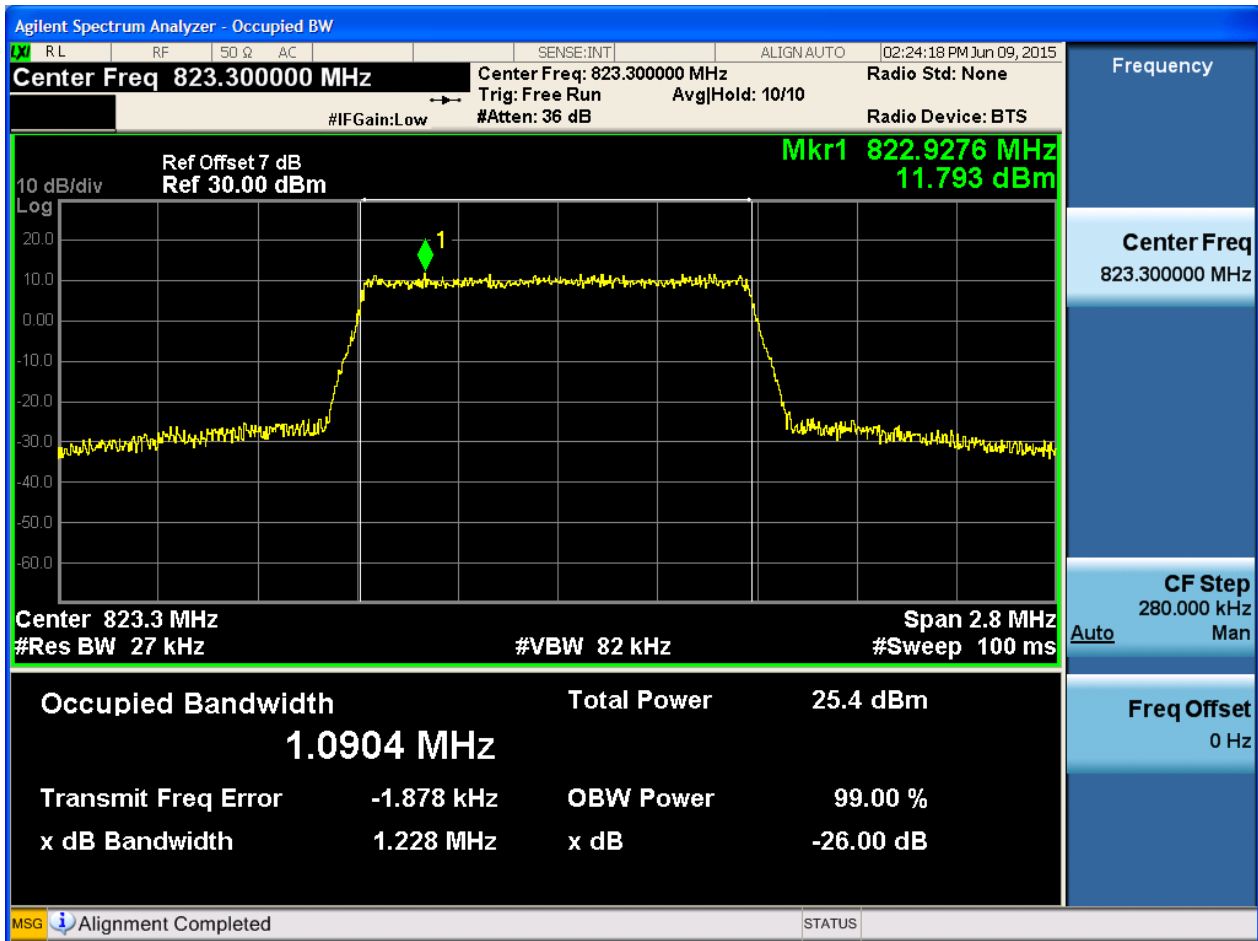
## 4.1.1.2.1.2.1 Test RB = RB6#0





## 4.1.1.2.1.3 Test Channel = HCH

## 4.1.1.2.1.3.1 Test RB = RB6#0

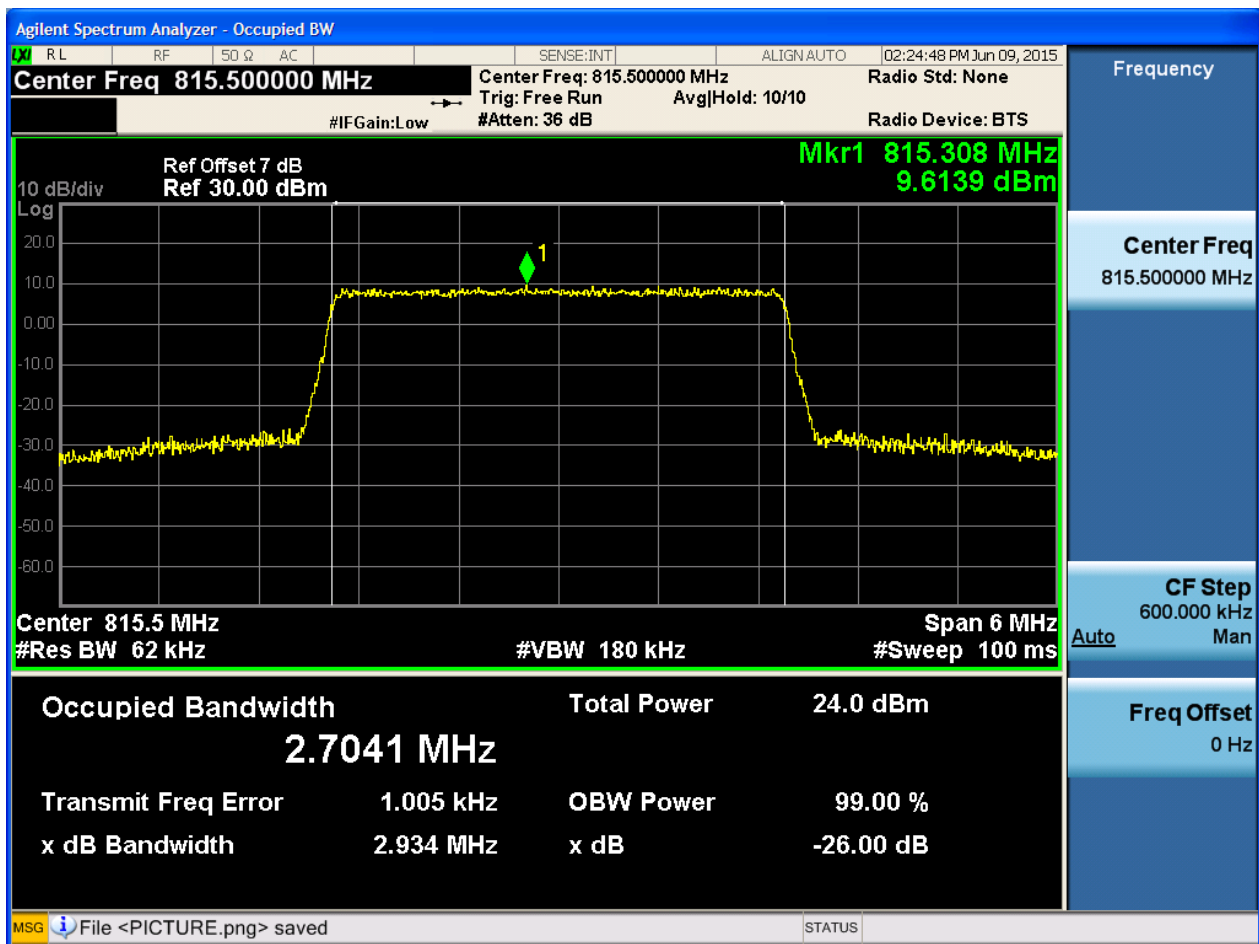




## 4.1.1.2.2 Test Bandwidth = 3

## 4.1.1.2.2.1 Test Channel = LCH

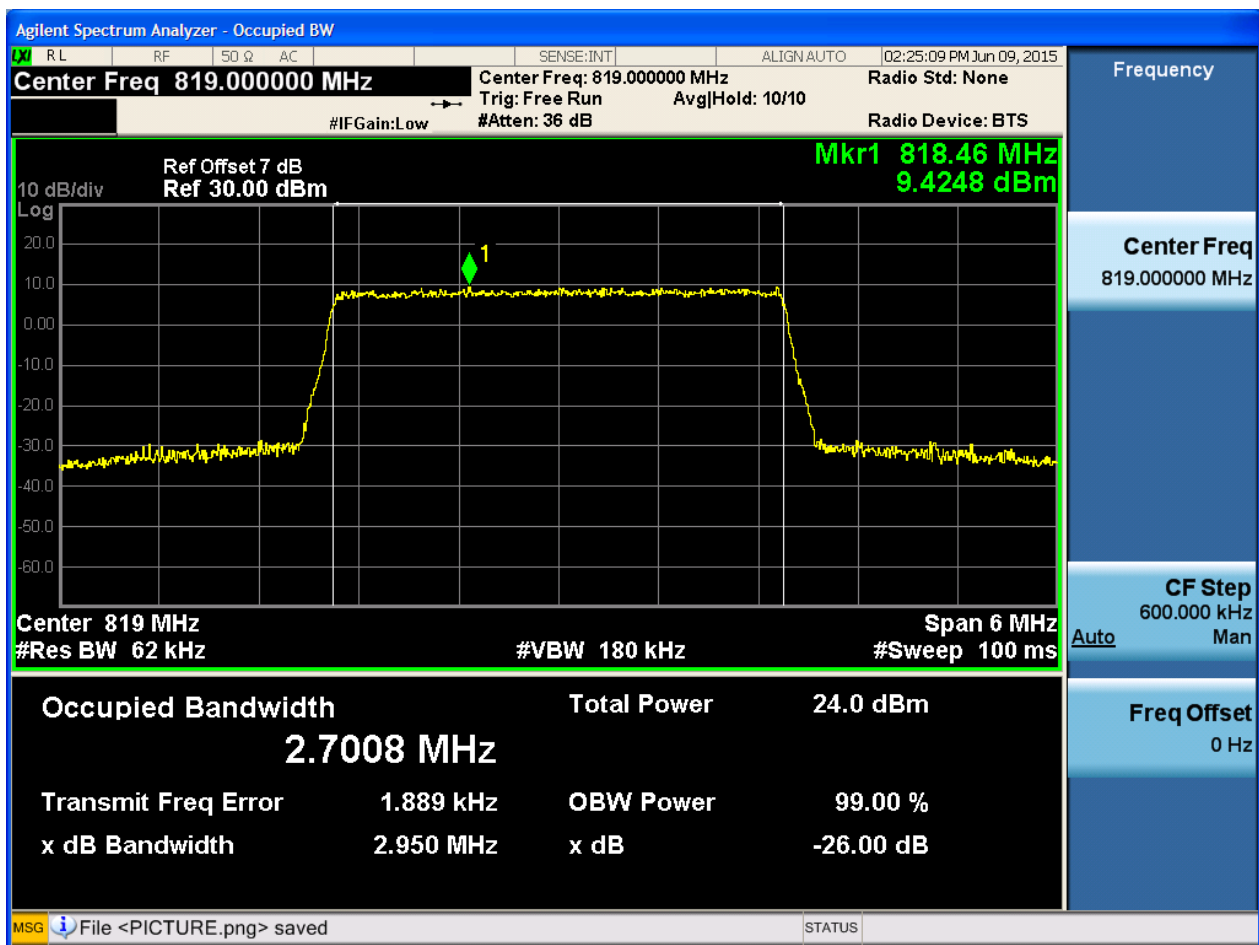
## 4.1.1.2.2.1.1 Test RB = RB15#0





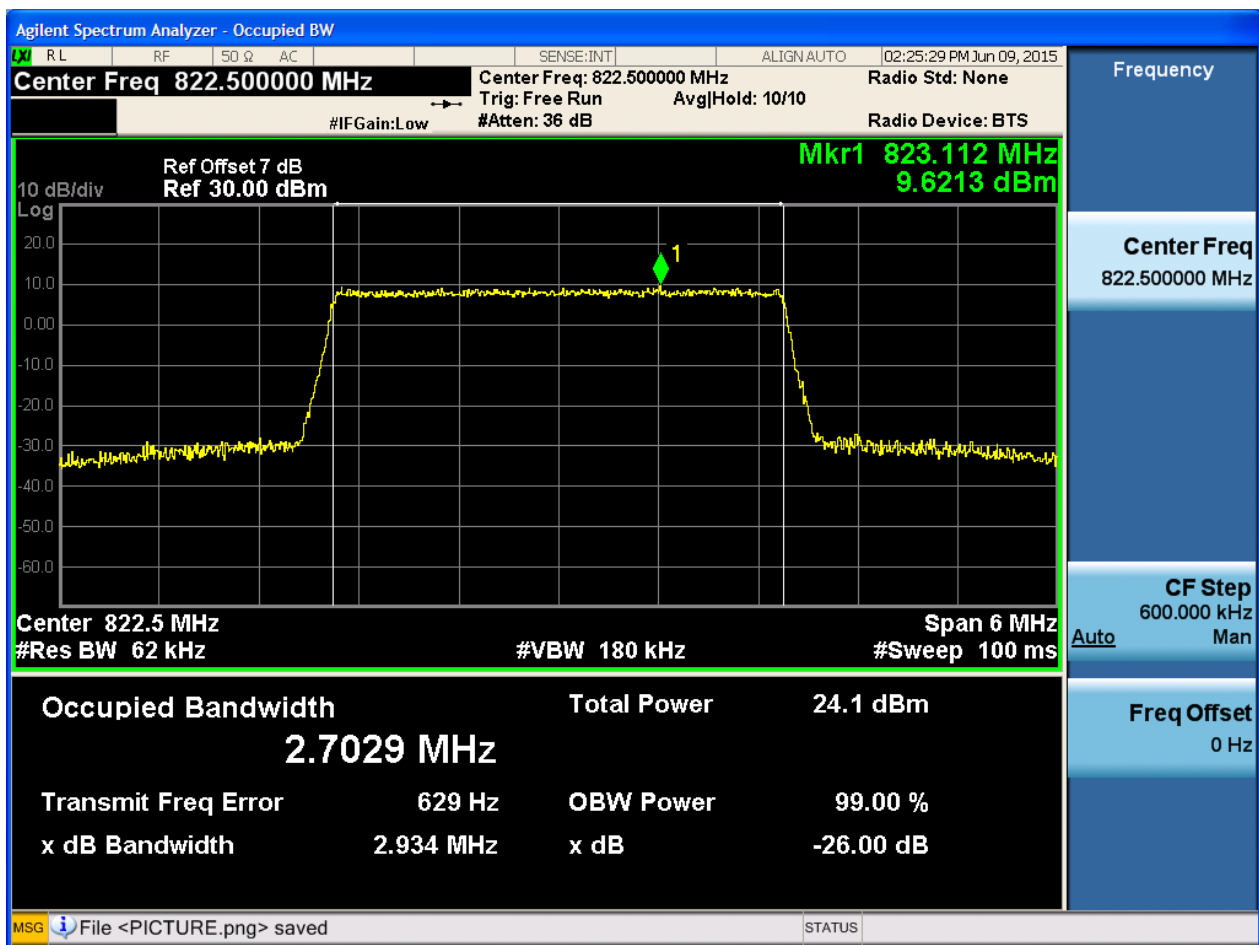
## 4.1.1.2.2.2 Test Channel = MCH

## 4.1.1.2.2.2.1 Test RB = RB15#0



#### 4.1.1.2.2.3 Test Channel = HCH

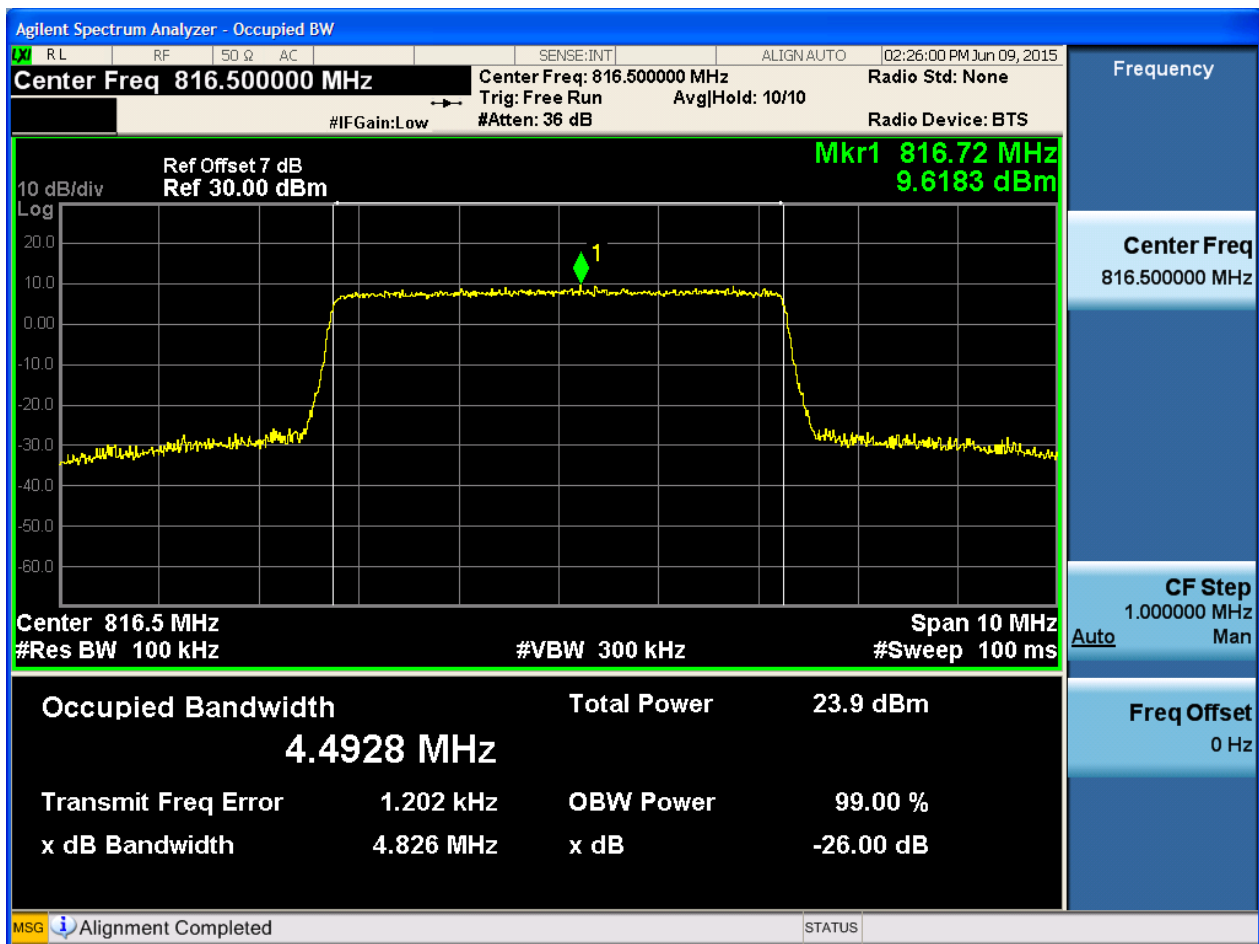
##### 4.1.1.2.2.3.1 Test RB = RB15#0



#### 4.1.1.2.3 Test Bandwidth = 5

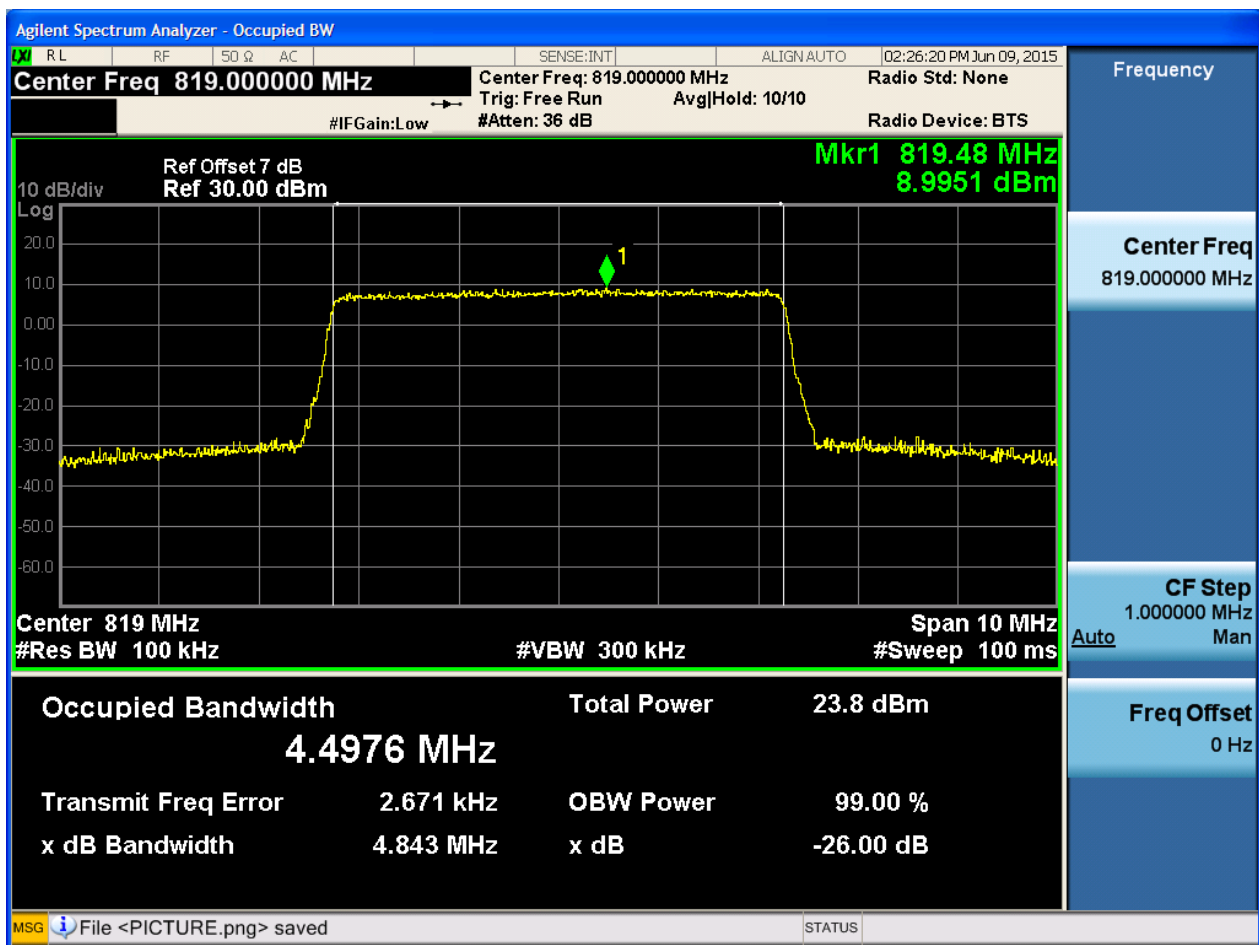
##### 4.1.1.2.3.1 Test Channel = LCH

##### 4.1.1.2.3.1.1 Test RB = RB25#0



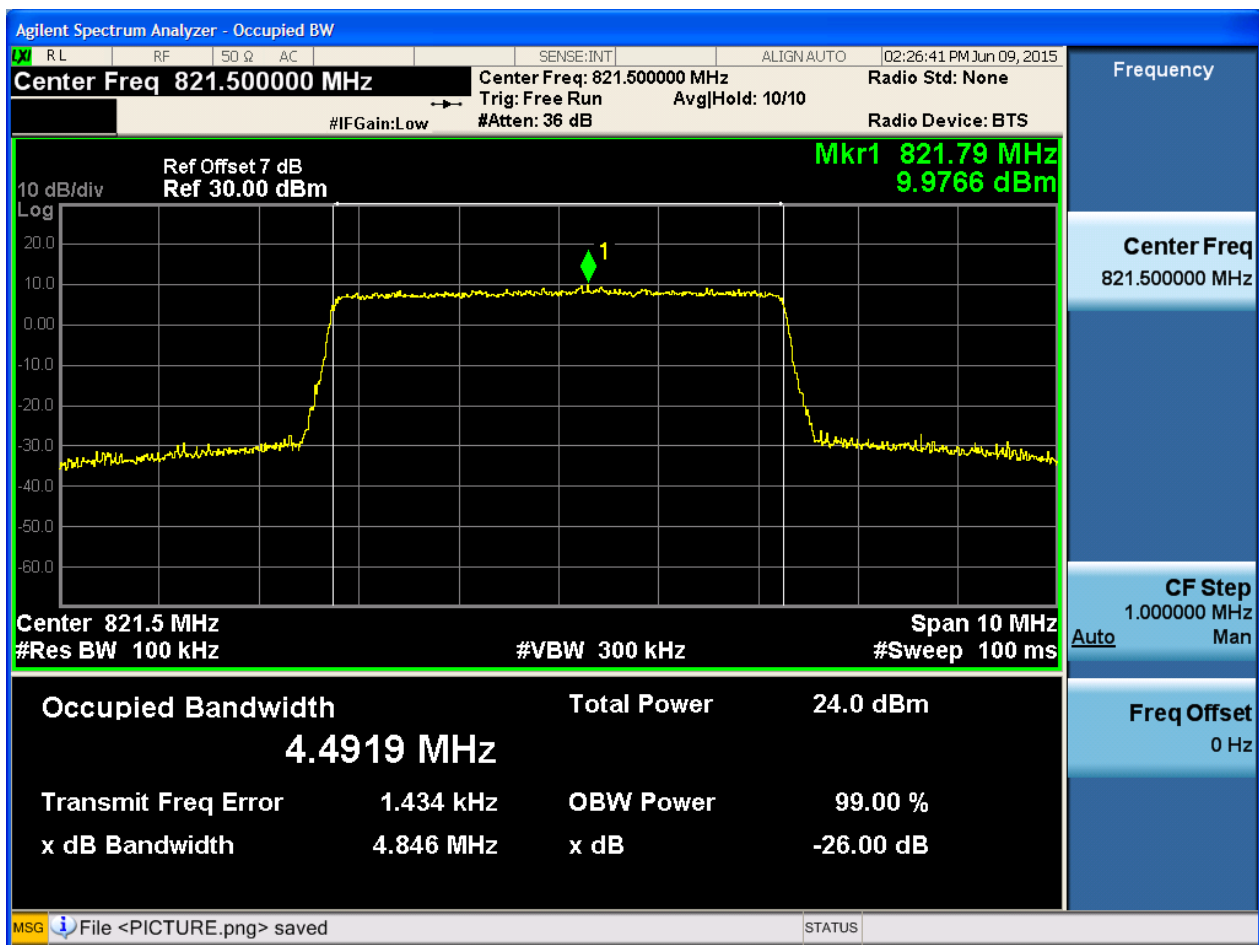
#### 4.1.1.2.3.2 Test Channel = MCH

##### 4.1.1.2.3.2.1 Test RB = RB25#0



#### 4.1.1.2.3.3 Test Channel = HCH

##### 4.1.1.2.3.3.1 Test RB = RB25#0

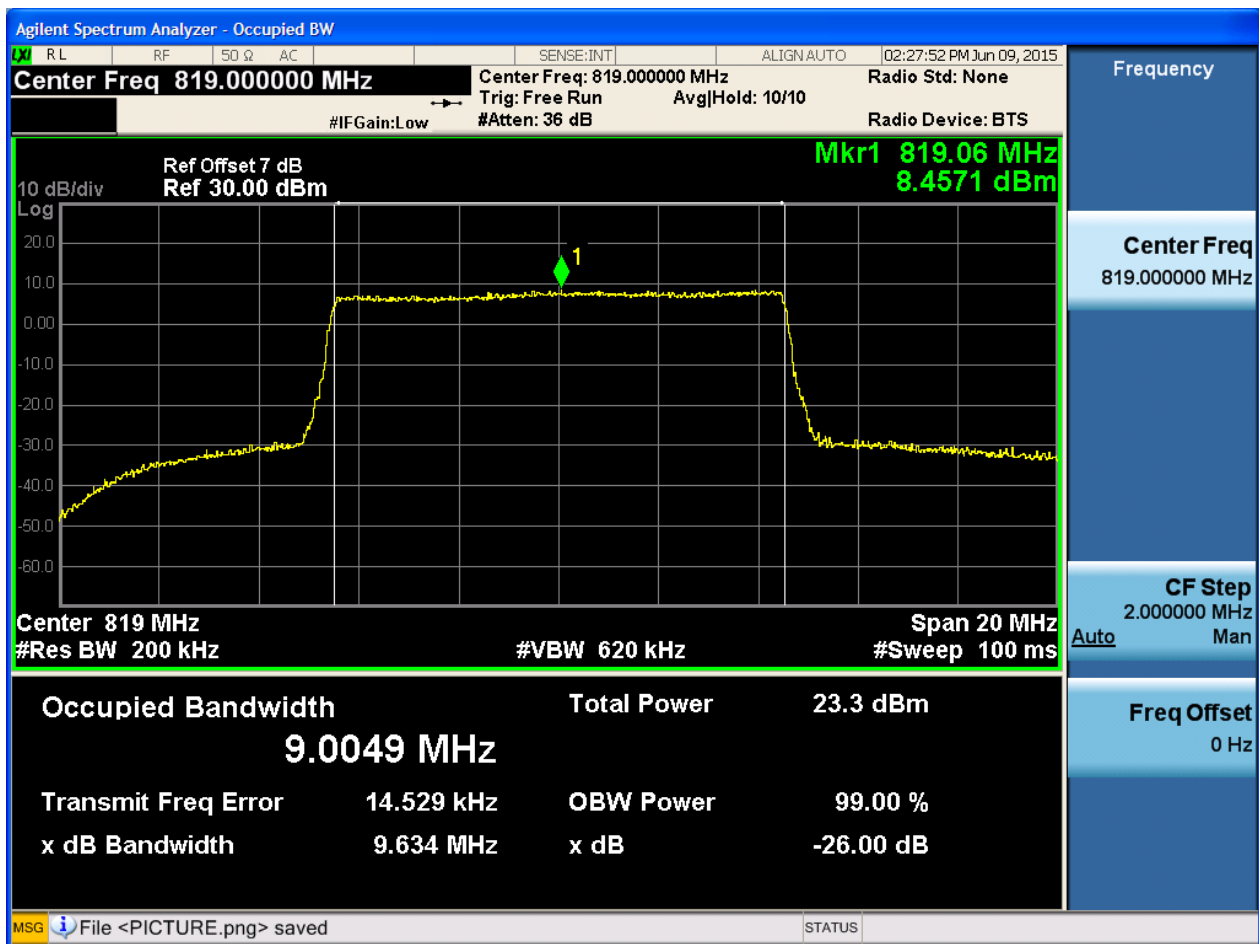




## 4.1.1.2.4 Test Bandwidth = 10

## 4.1.1.2.4.1 Test Channel = LCH

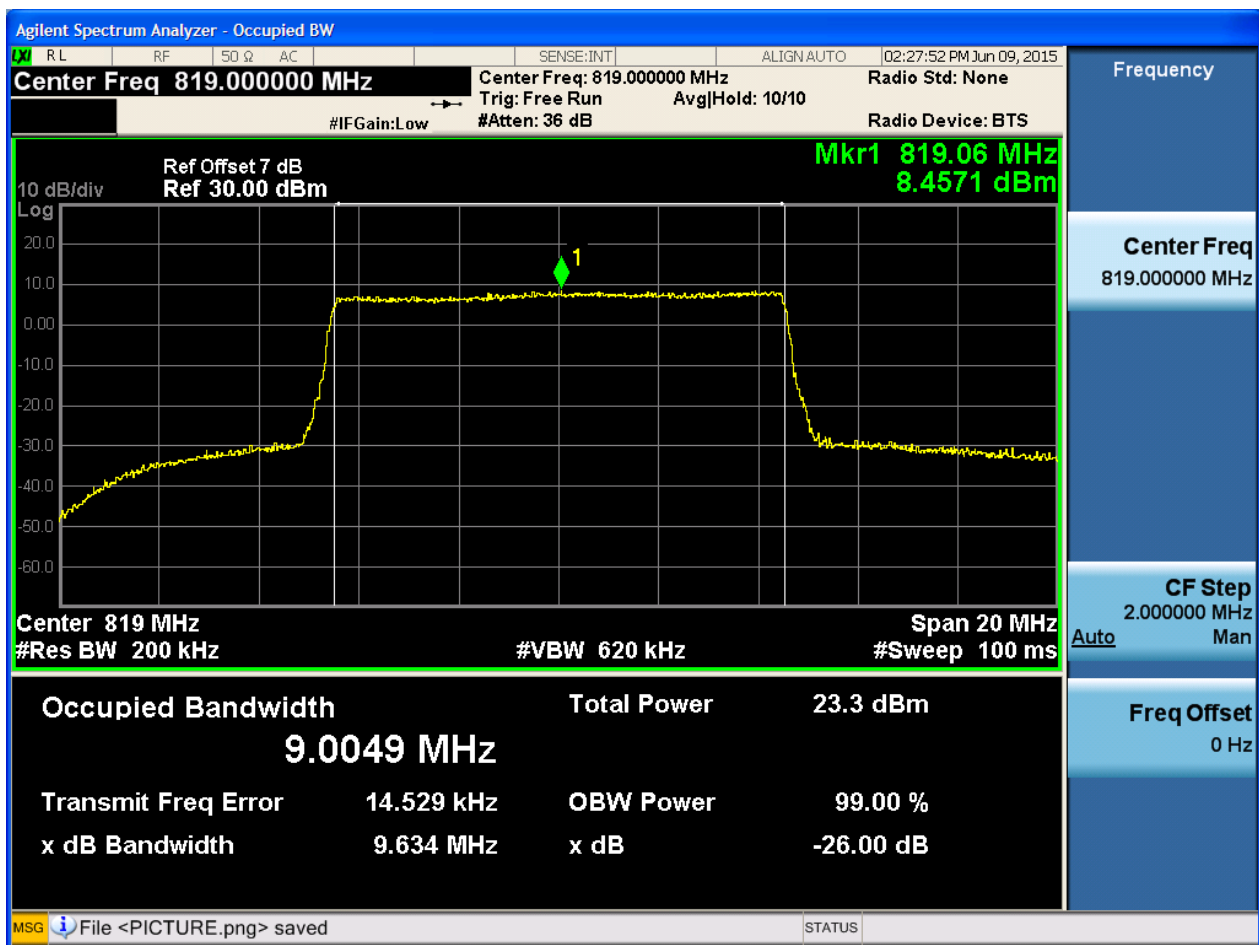
## 4.1.1.2.4.1.1 Test RB = RB50#0





## 4.1.1.2.4.2 Test Channel = MCH

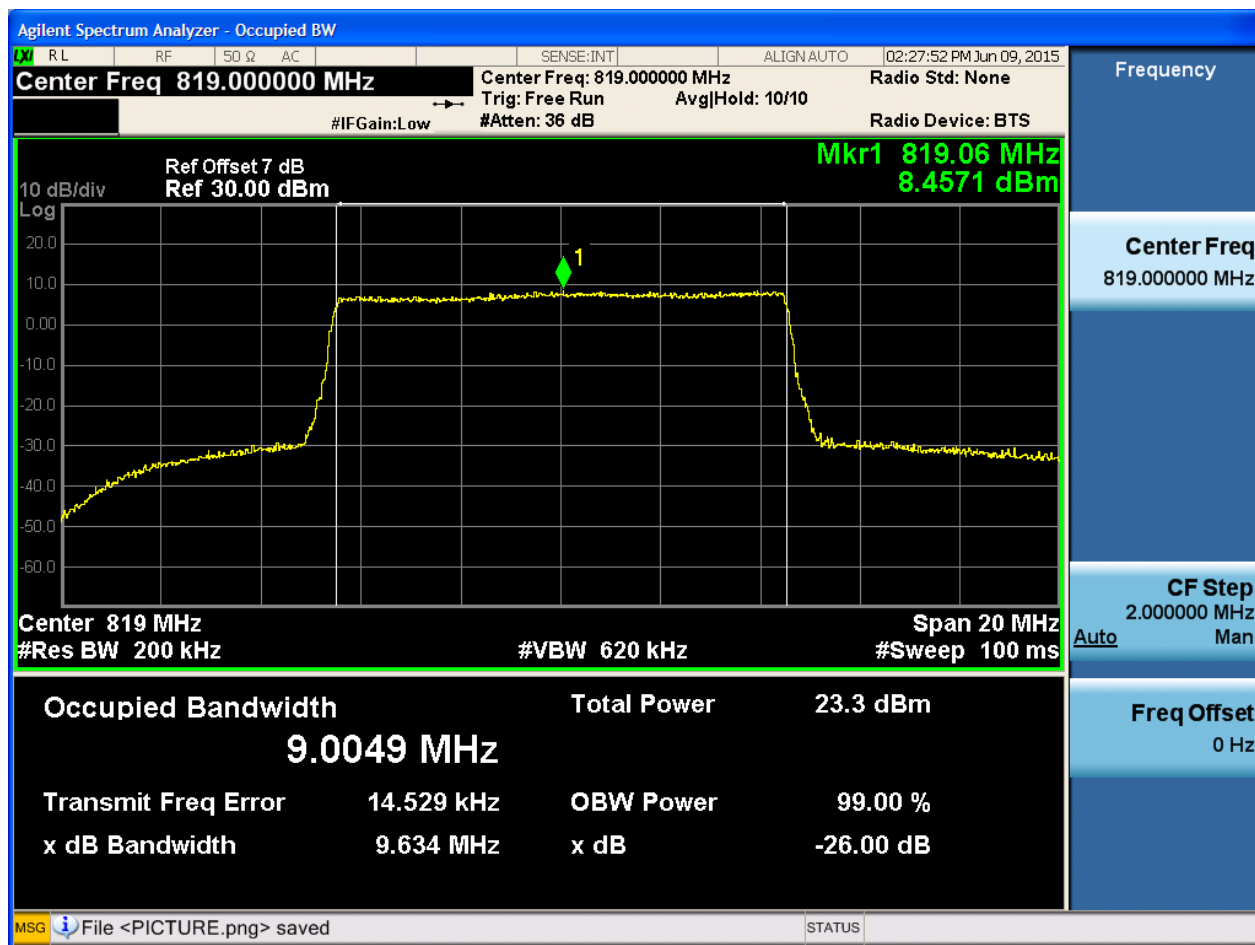
## 4.1.1.2.4.2.1 Test RB = RB50#0





## 4.1.1.2.4.3 Test Channel = HCH

## 4.1.1.2.4.3.1 Test RB = RB50#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

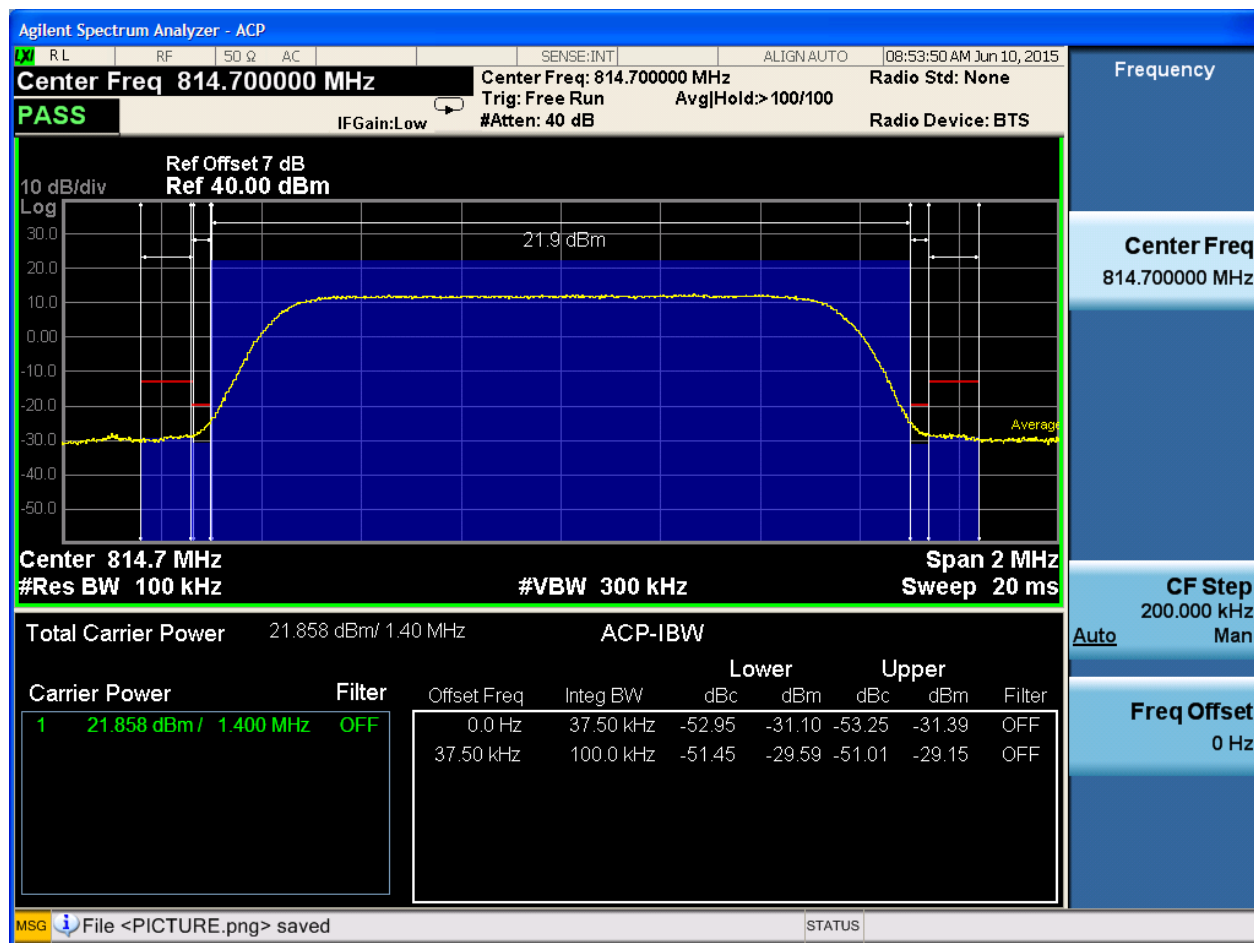
##### 5.1.1 Test Band = BAND26

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

##### 5.1.1.1.1 Test Bandwidth = 1.4

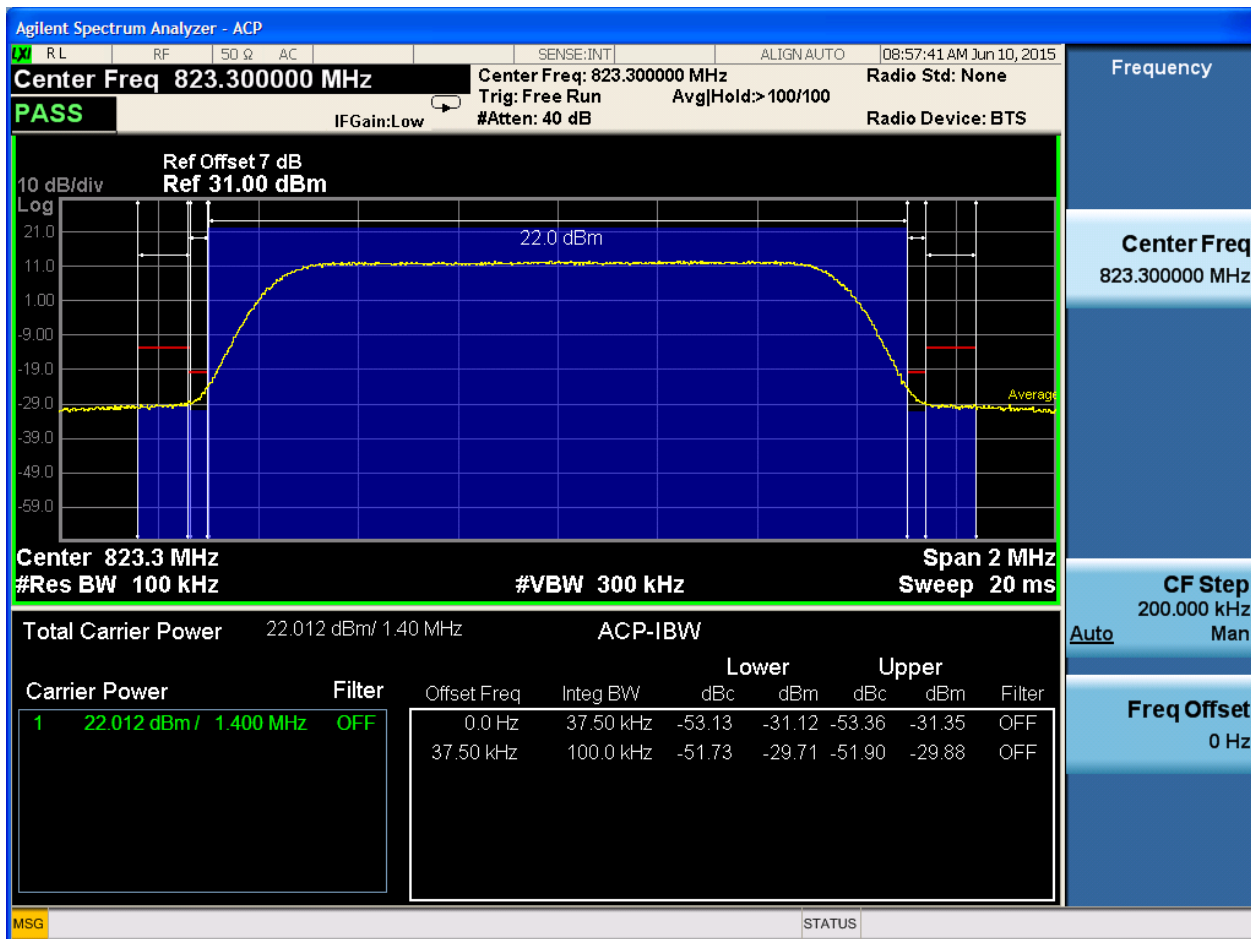
##### 5.1.1.1.1.1 Test Channel = LCH

##### 5.1.1.1.1.1.1 Test RB = RB6#0



### 5.1.1.1.1.2 Test Channel = HCH

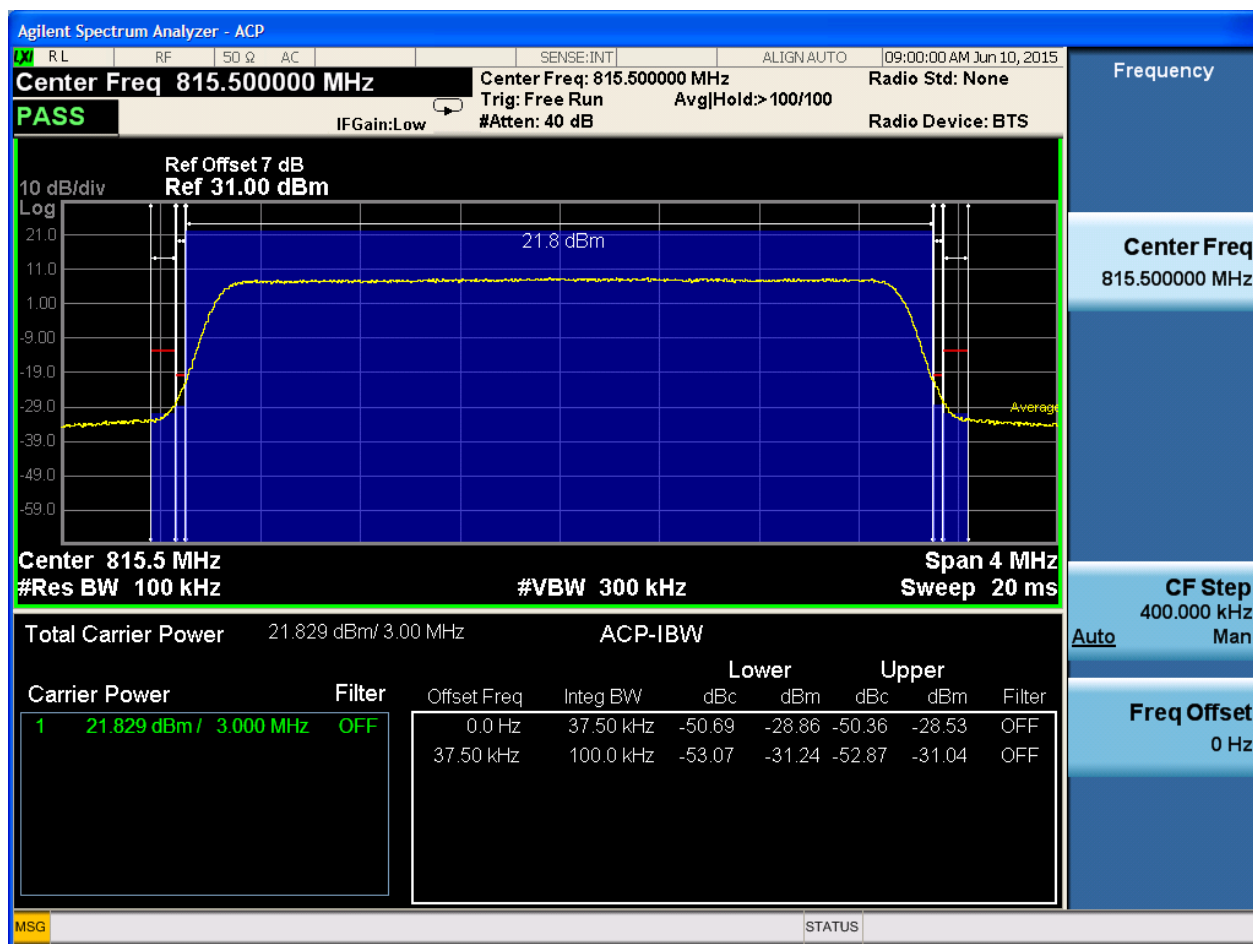
#### 5.1.1.1.1.2.1 Test RB = RB6#0



### 5.1.1.1.2 Test Bandwidth = 3

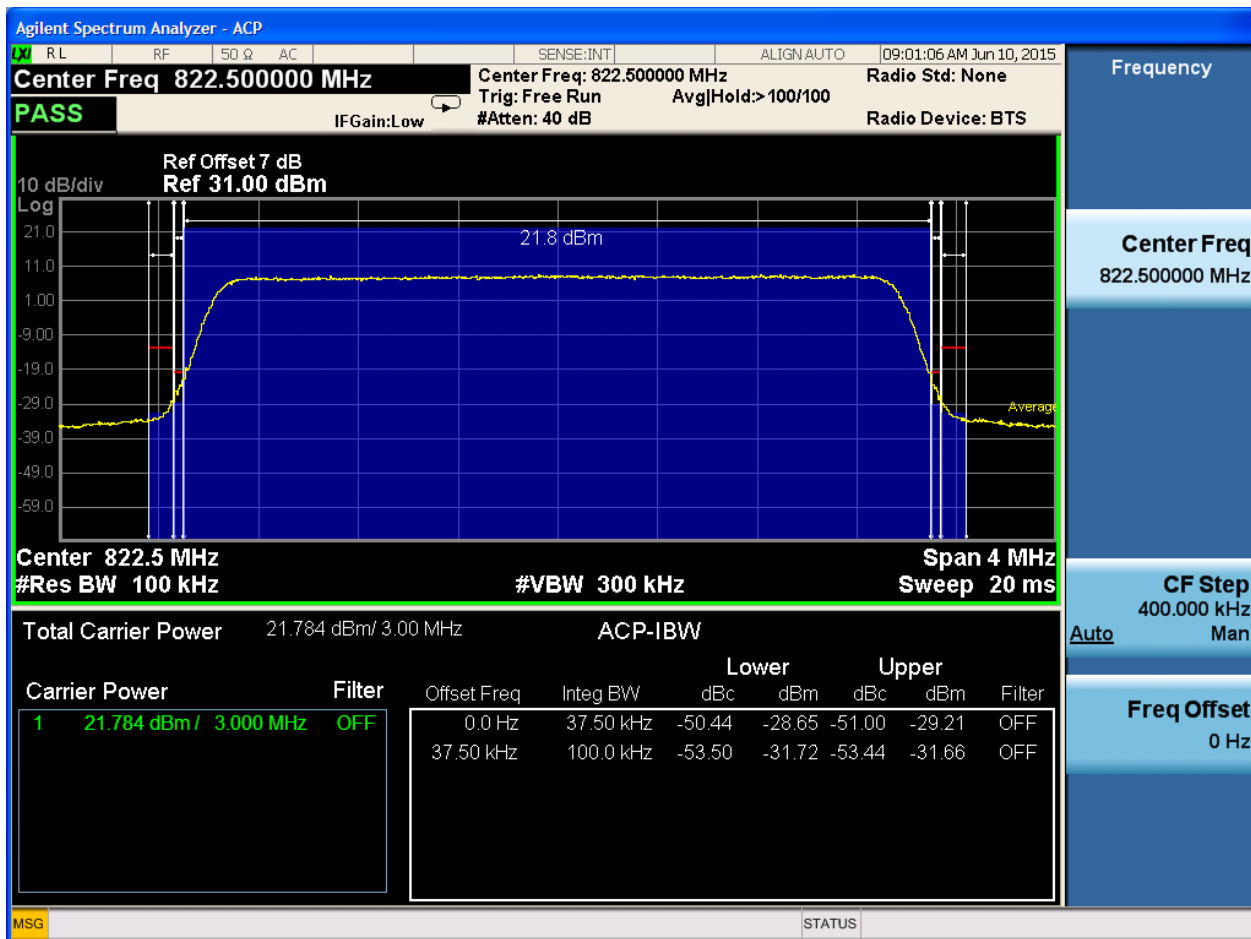
#### 5.1.1.1.2.1 Test Channel = LCH

##### 5.1.1.1.2.1.1 Test RB = RB15#0



### 5.1.1.1.2.2 Test Channel = HCH

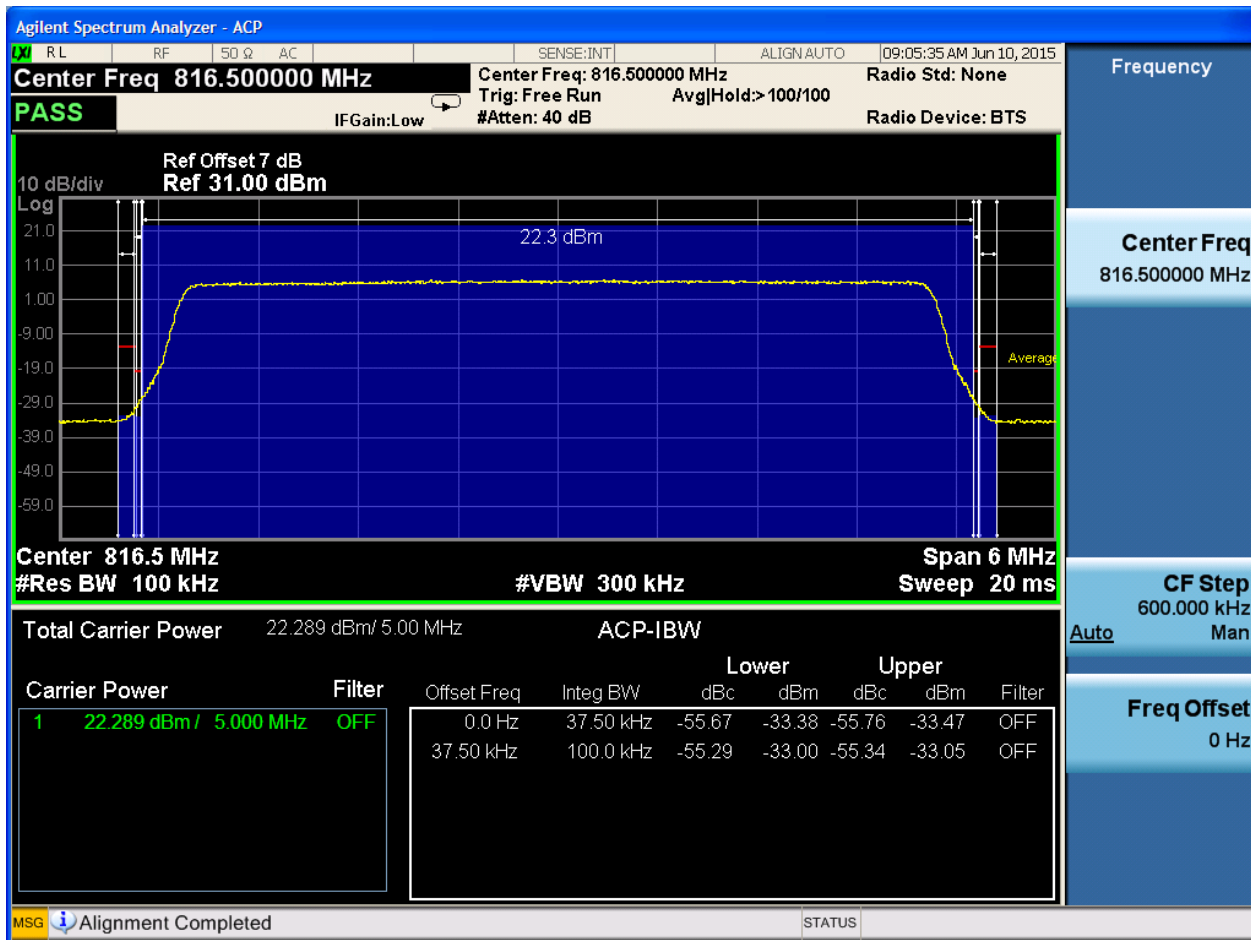
#### 5.1.1.1.2.2.1 Test RB = RB15#0



### 5.1.1.1.3 Test Bandwidth = 5

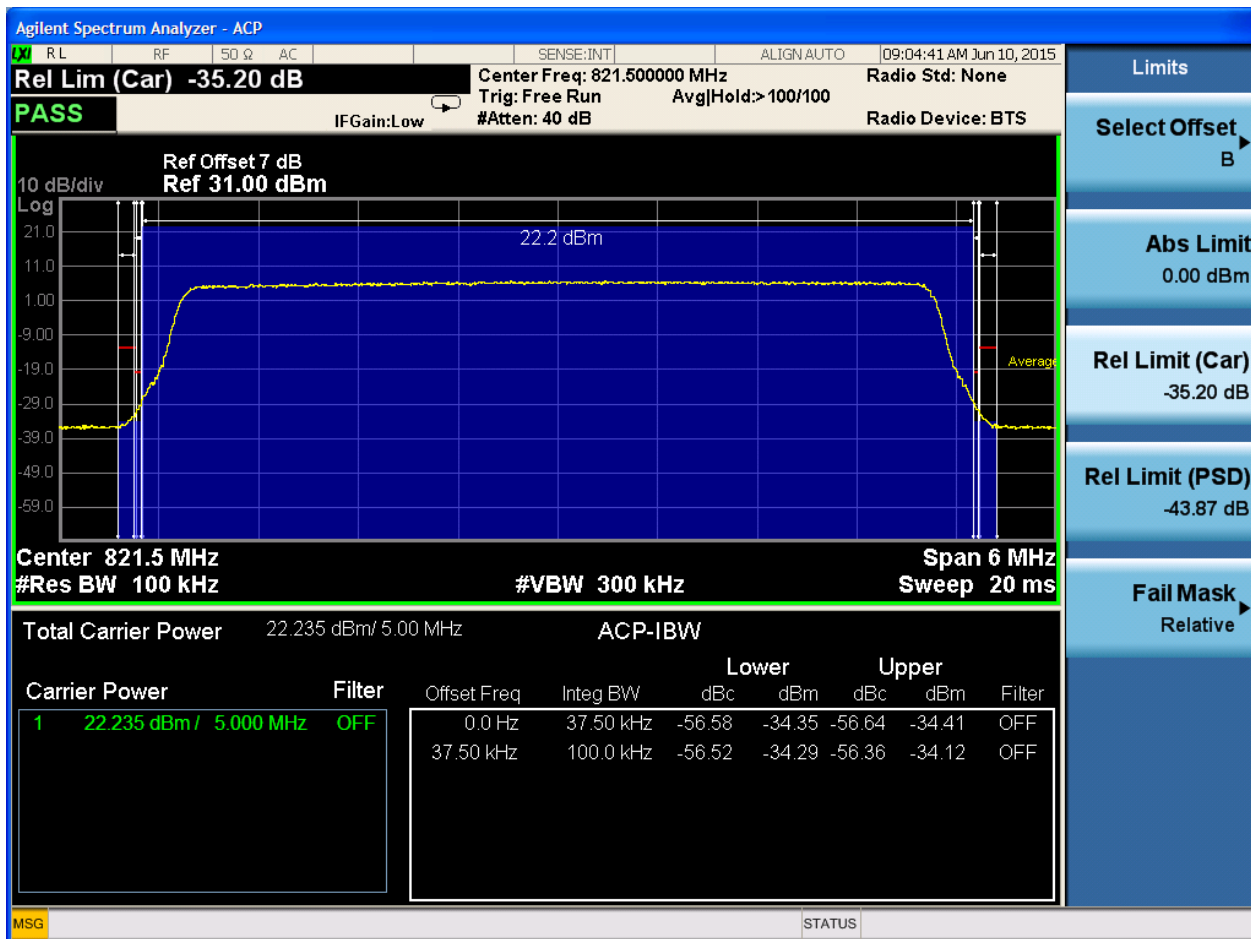
#### 5.1.1.1.3.1 Test Channel = LCH

##### 5.1.1.1.3.1.1 Test RB = RB25#0



### 5.1.1.1.3.2 Test Channel = HCH

#### 5.1.1.1.3.2.1 Test RB = RB25#0

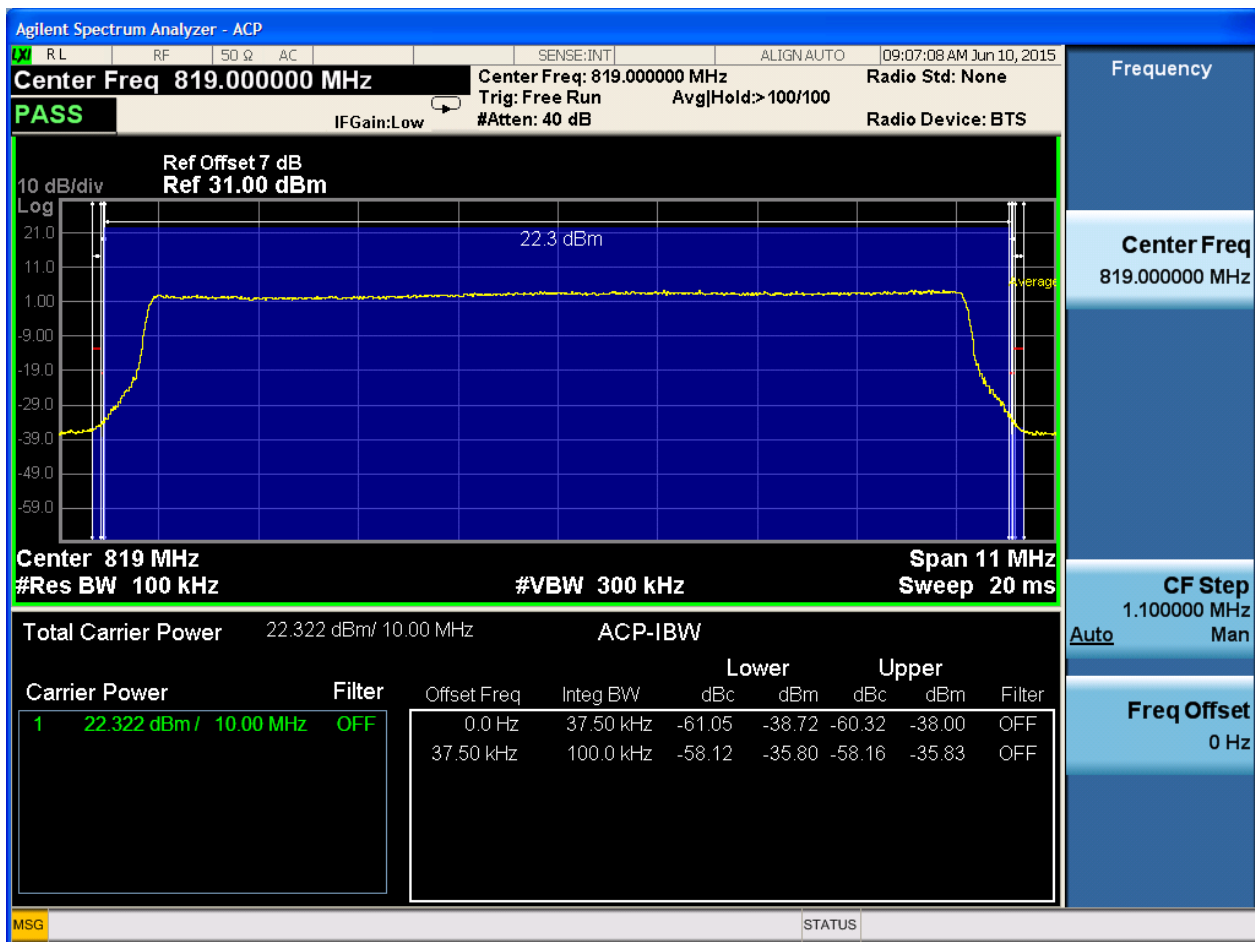




## 5.1.1.1.4 Test Bandwidth = 10

## 5.1.1.1.4.1 Test Channel = HCH

## 5.1.1.1.4.1.1 Test RB = RB50#0

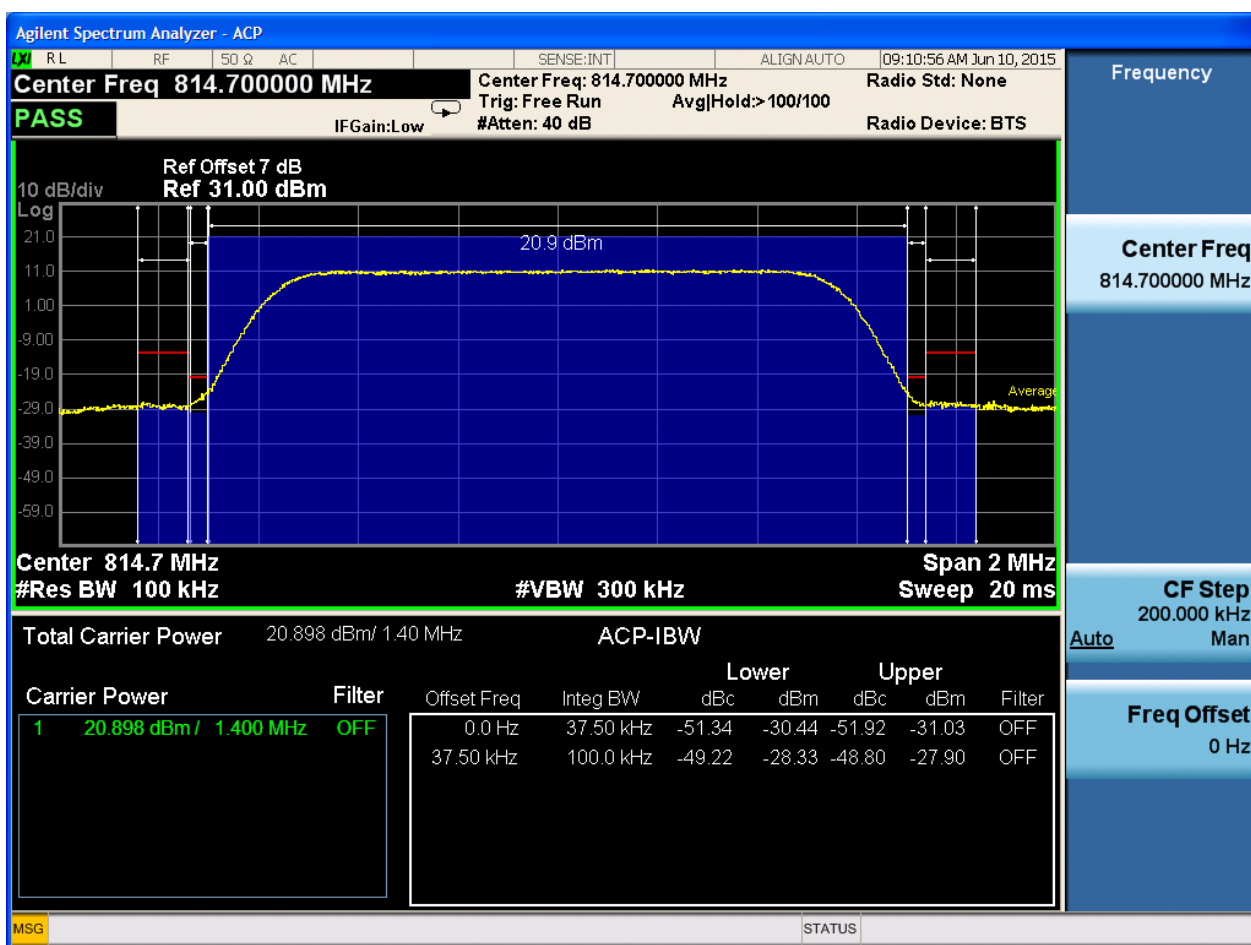


### 5.1.1.2 Test Mode = LTE/TM2

#### 5.1.1.2.1 Test Bandwidth = 1.4

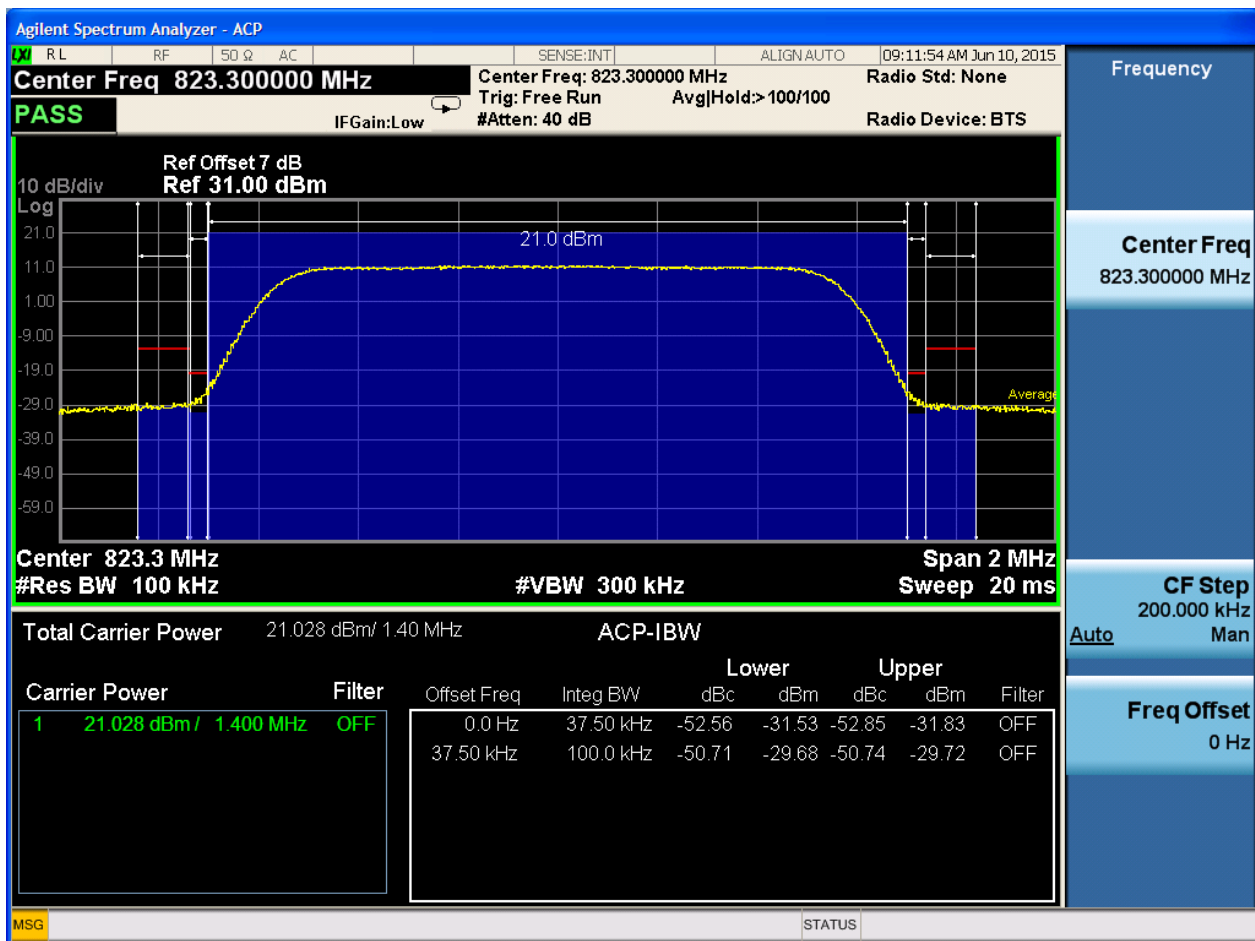
##### 5.1.1.2.1.1 Test Channel = LCH

##### 5.1.1.2.1.1.1 Test RB = RB6#0



### 5.1.1.2.1.2 Test Channel = HCH

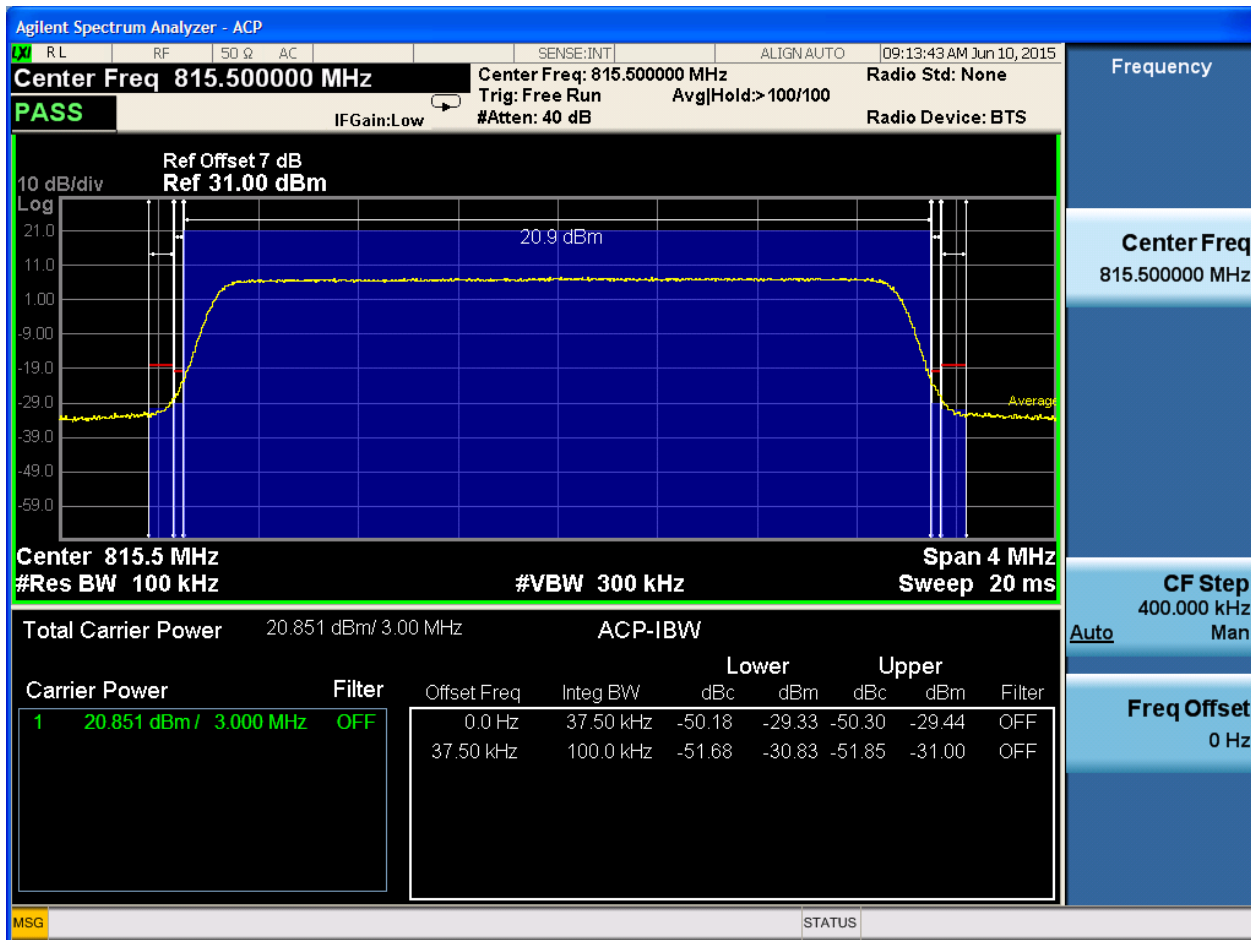
#### 5.1.1.2.1.2.1 Test RB = RB6#0



### 5.1.1.2.2 Test Bandwidth = 3

#### 5.1.1.2.2.1 Test Channel = LCH

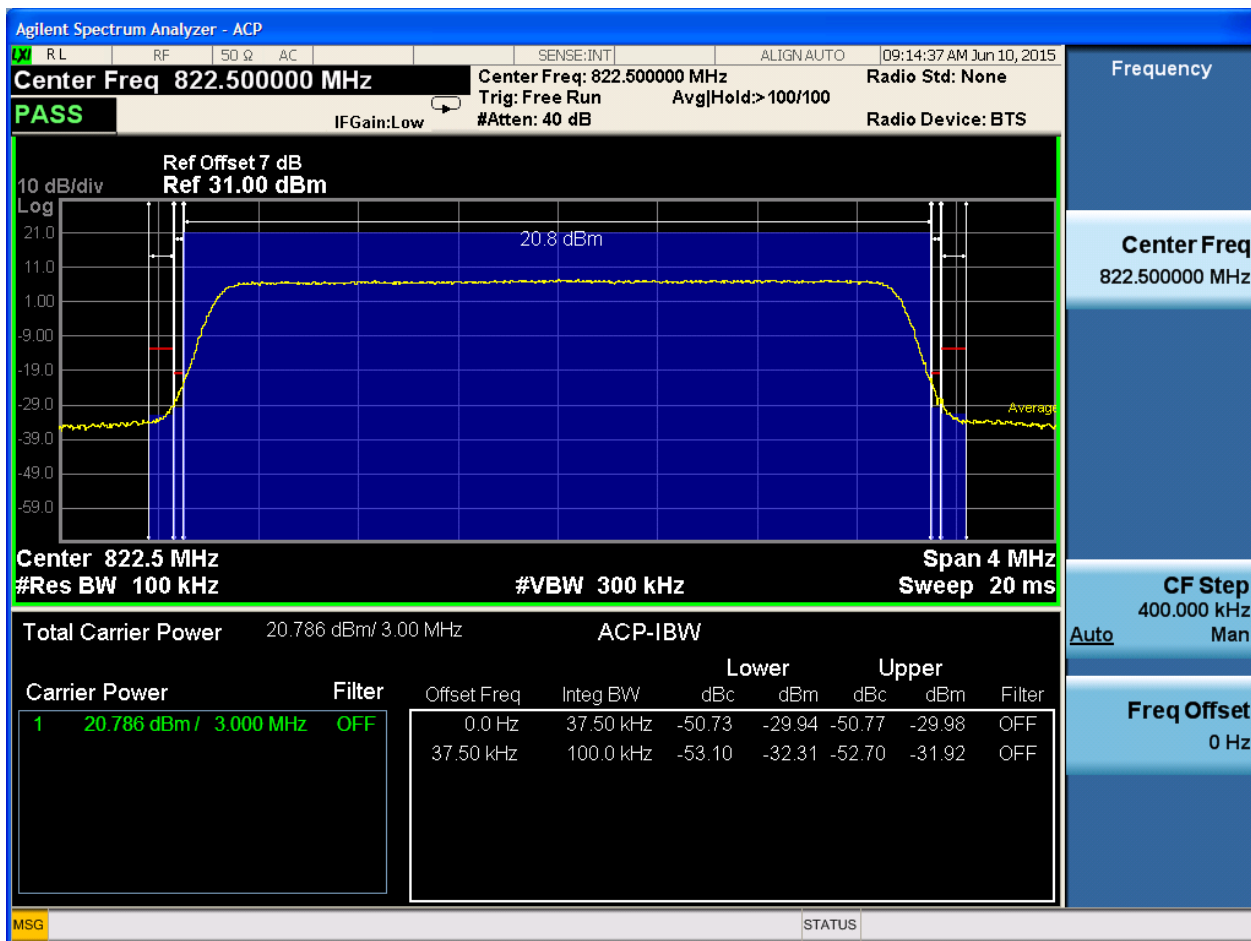
##### 5.1.1.2.2.1.1 Test RB = RB15#0





## 5.1.1.2.2.2 Test Channel = HCH

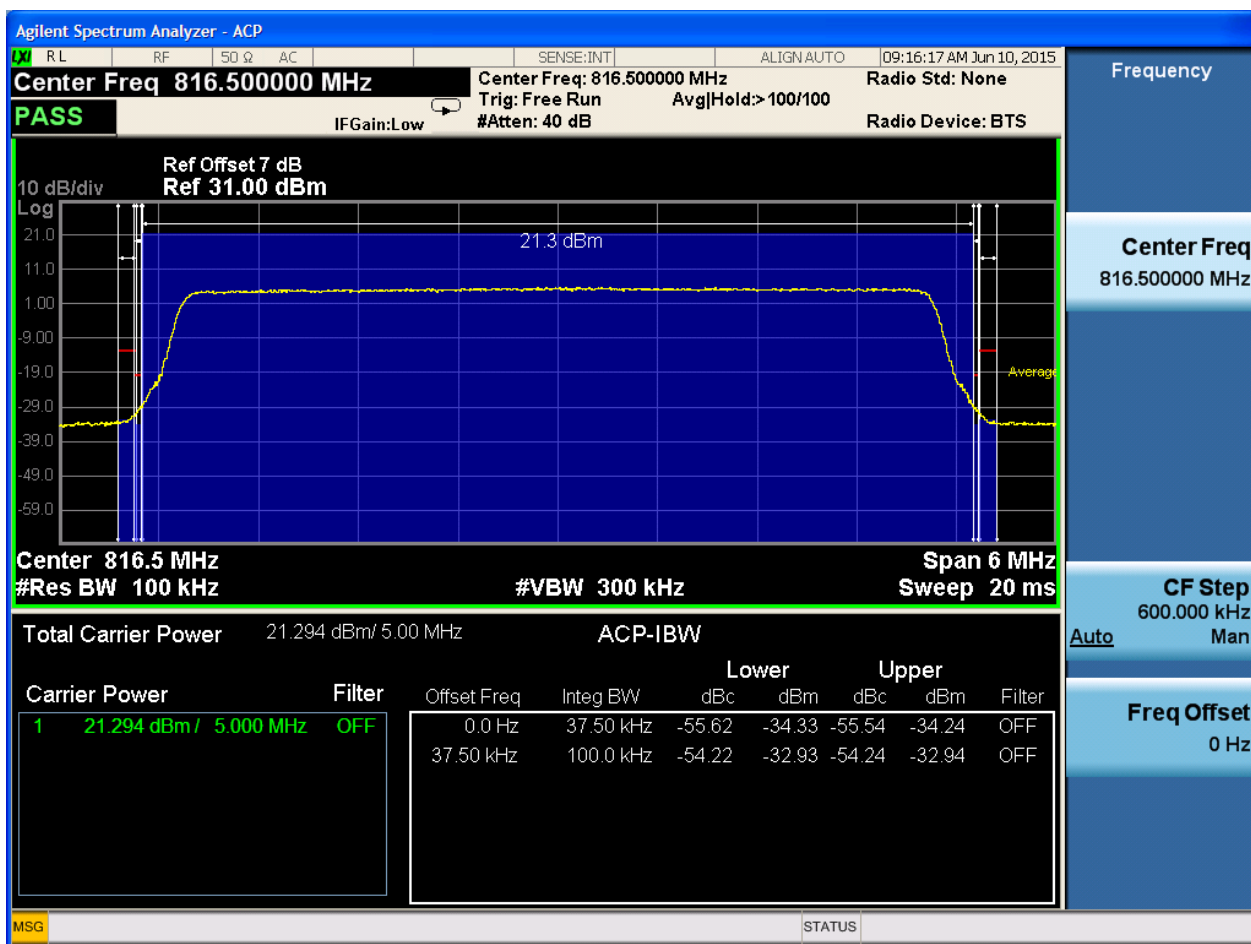
## 5.1.1.2.2.1.1 Test RB = RB15#0



### 5.1.1.2.3 Test Bandwidth = 5

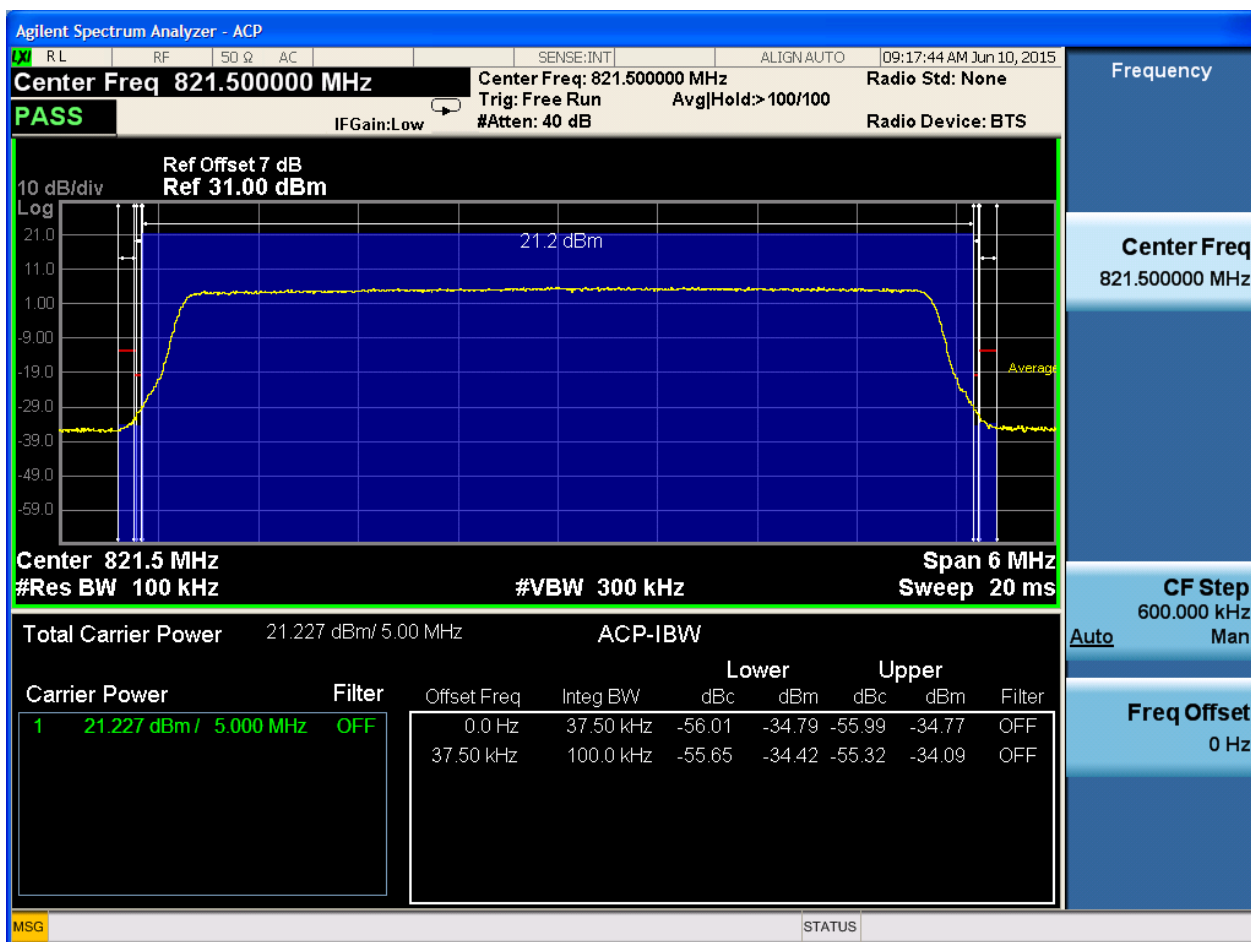
#### 5.1.1.2.3.1 Test Channel = LCH

##### 5.1.1.2.3.1.1 Test RB = RB25#0



### 5.1.1.2.3.2 Test Channel = HCH

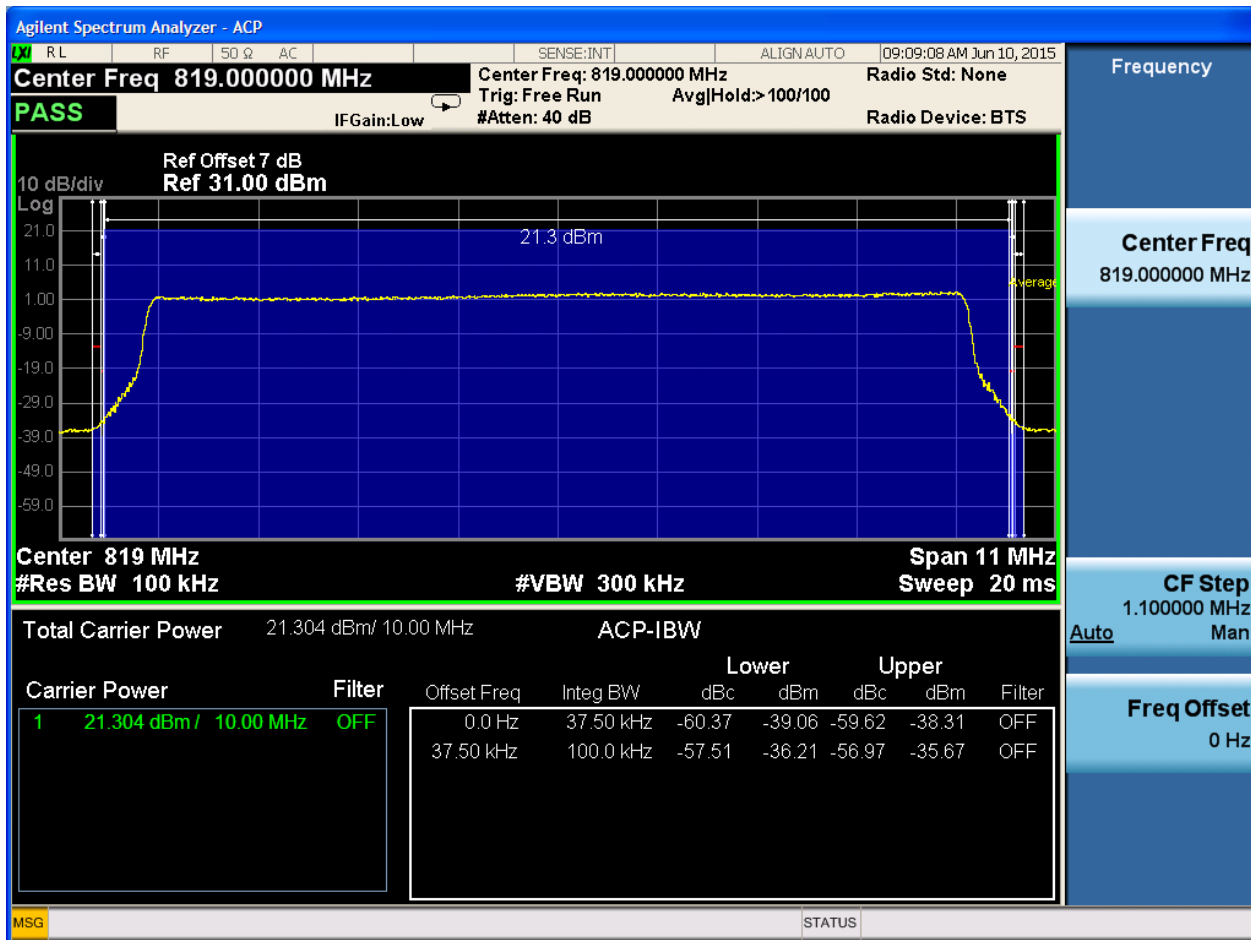
#### 5.1.1.2.3.2.1 Test RB = RB25#0



#### 5.1.1.2.4 Test Bandwidth = 10

##### 5.1.1.2.4.1 Test Channel = HCH

##### 5.1.1.2.4.1.1 Test RB = RB50#0



## 6Appendix\_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

### Part I - Test Plots

#### 6.1 For LTE

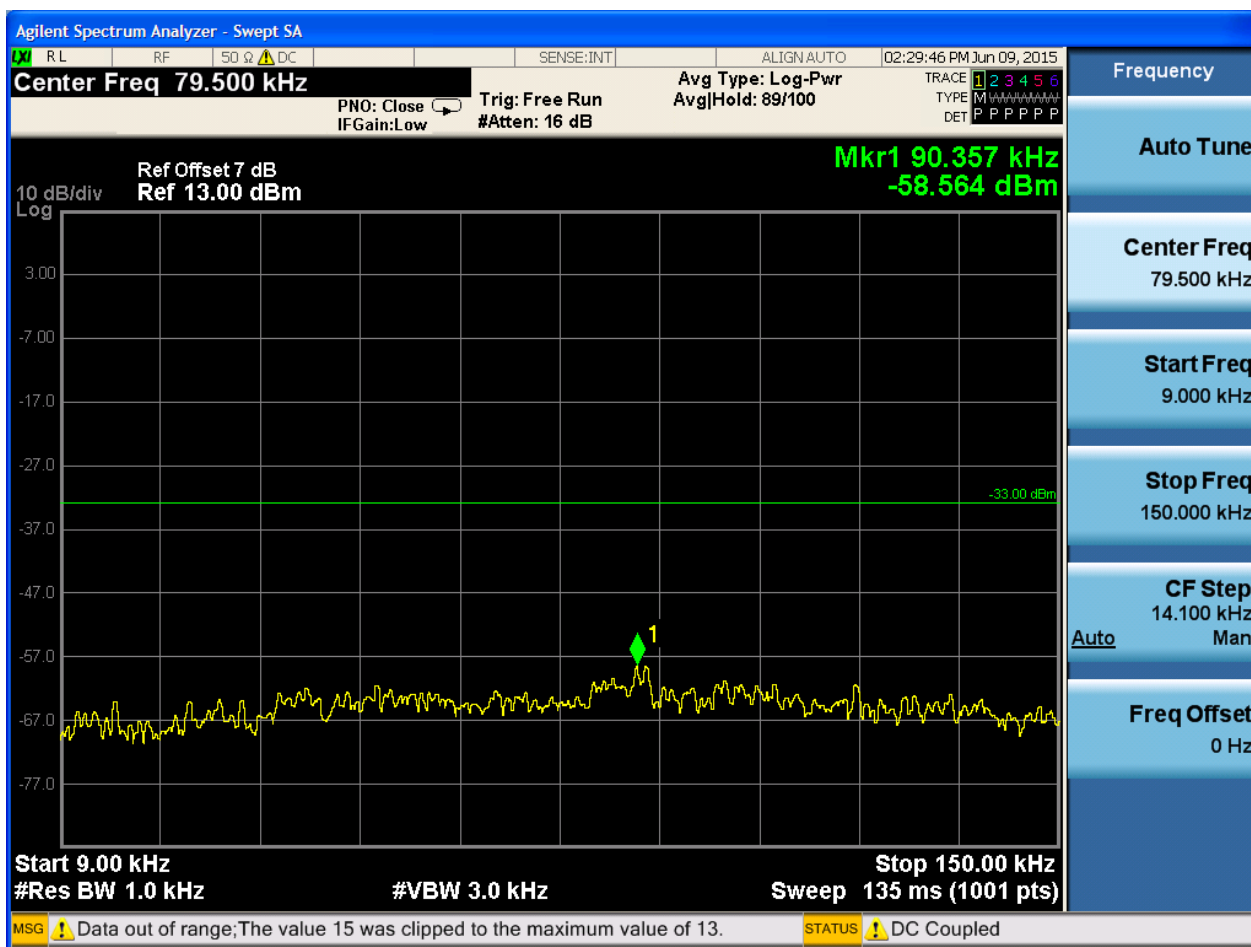
##### 6.1.1 Test Band = BAND26

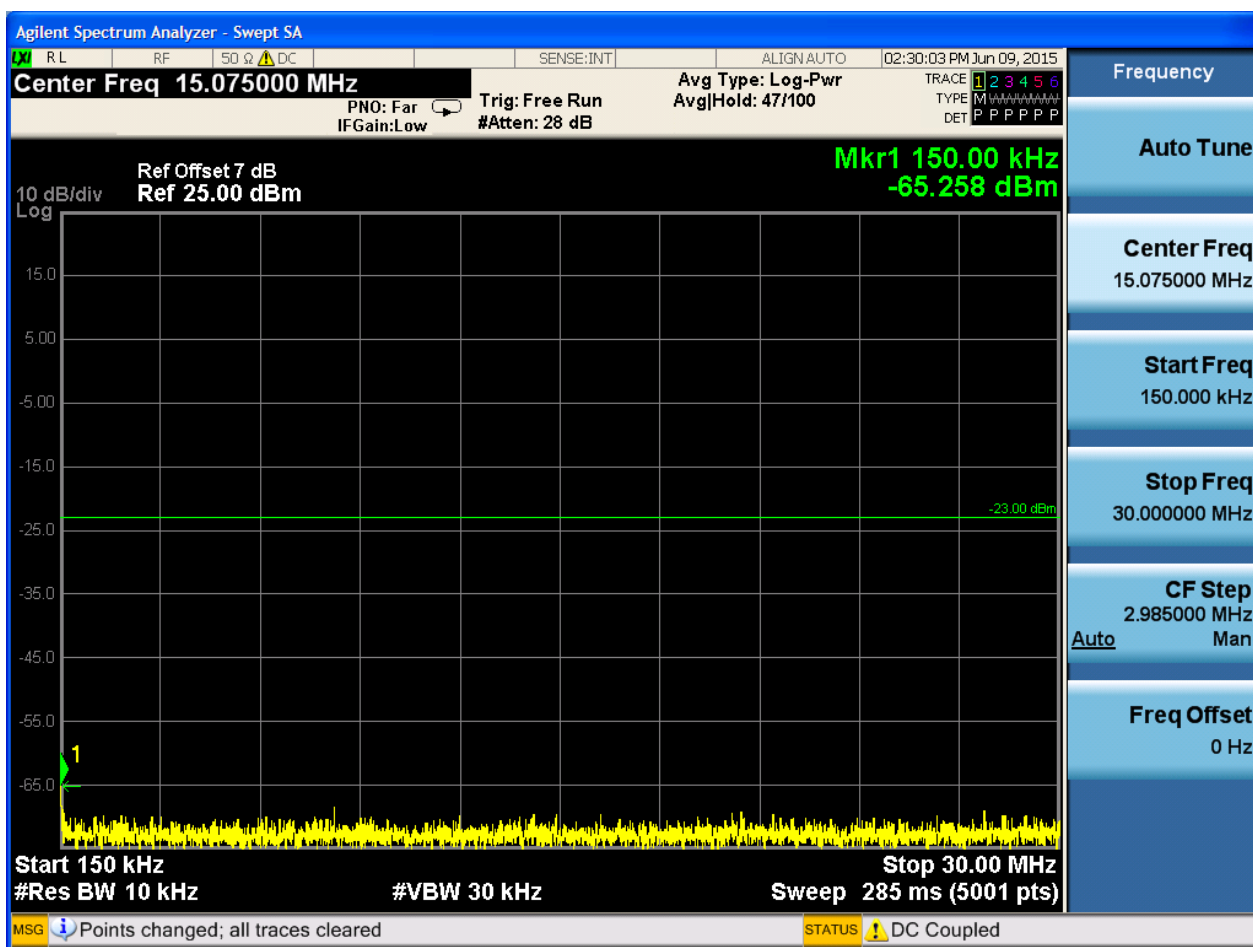
##### 6.1.1.1 Test Mode = LTE/TM1

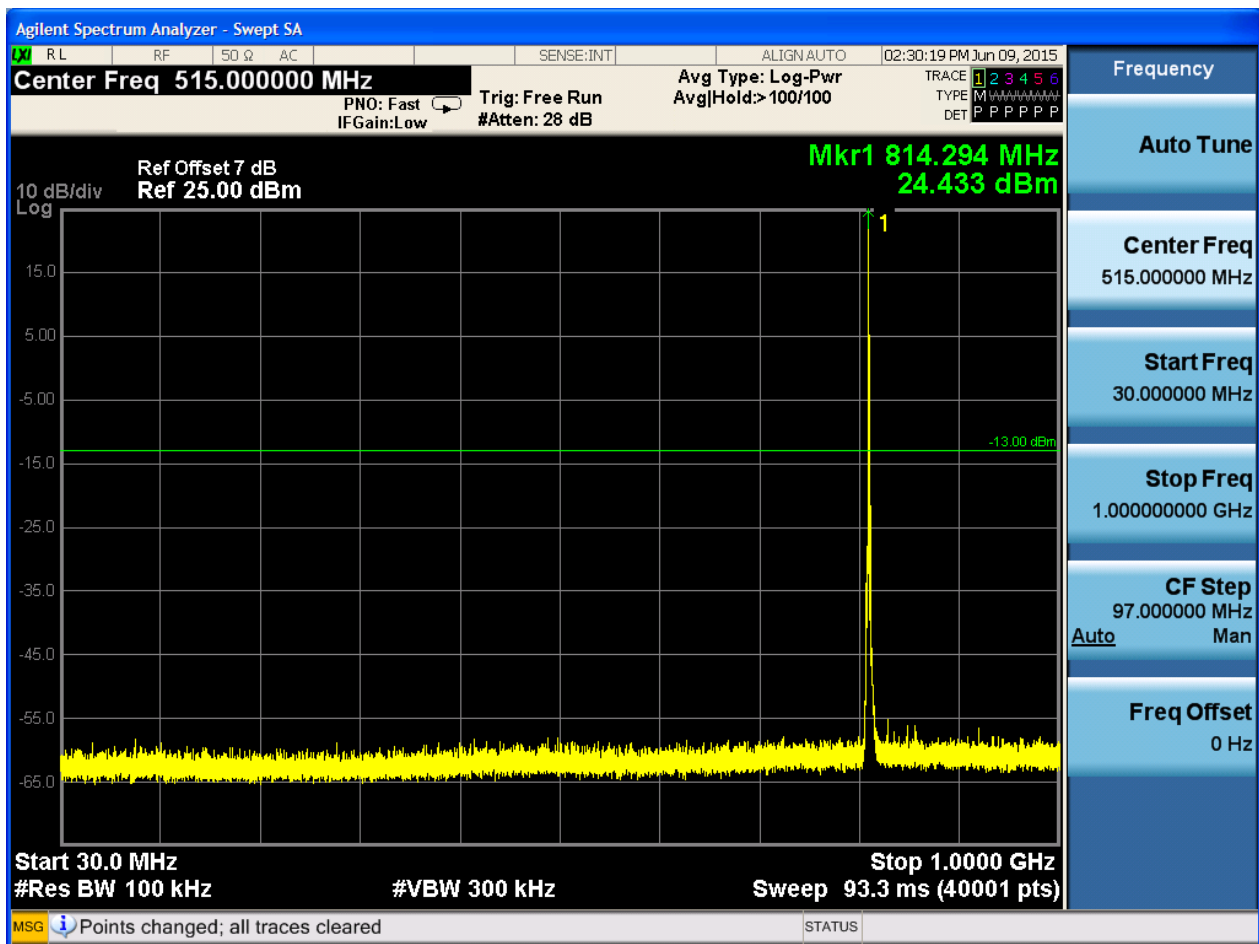
##### 6.1.1.1.1 Test Bandwidth = 1.4

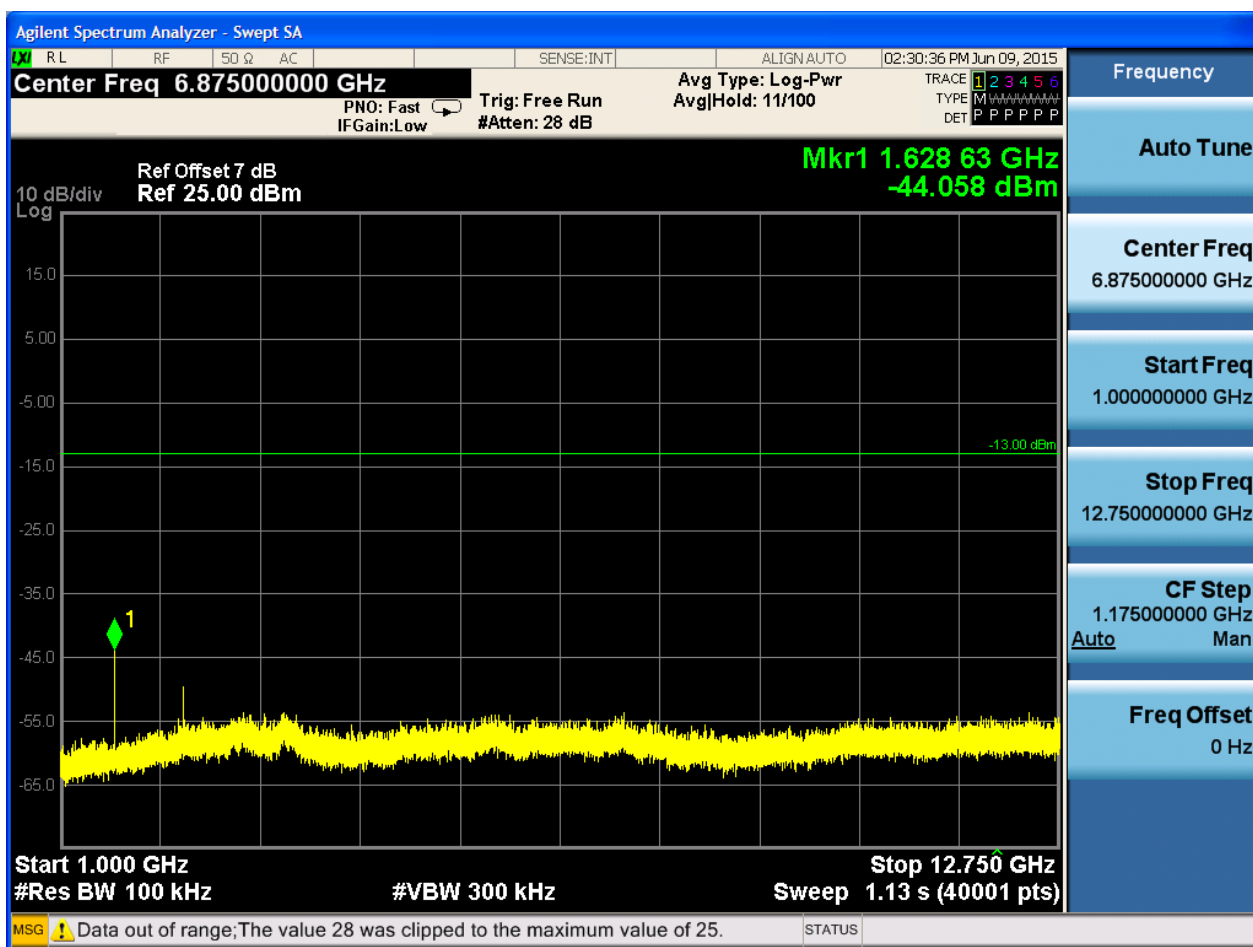
##### 6.1.1.1.1.1 Test Channel = LCH

##### 6.1.1.1.1.1.1 Test RB = RB1#0



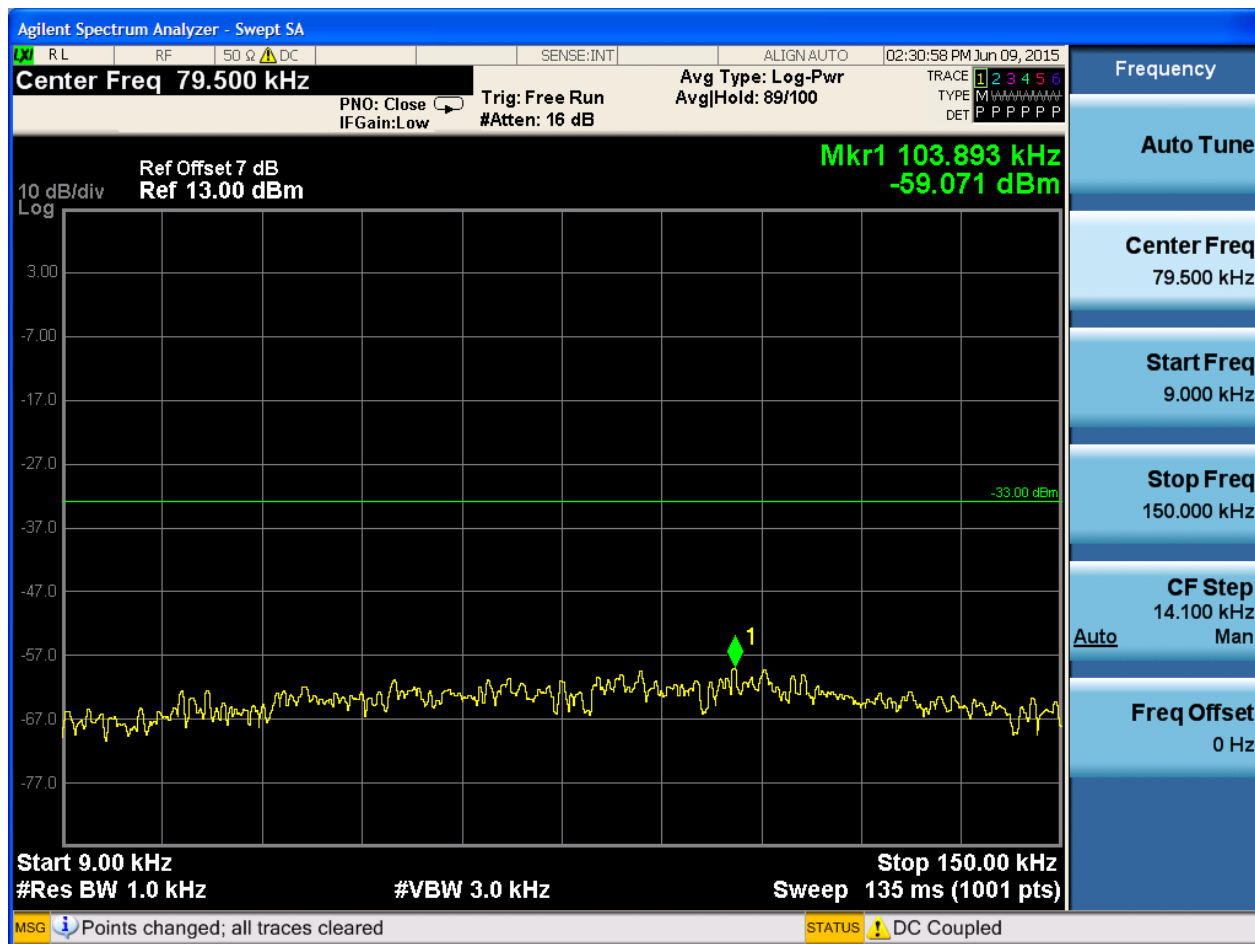


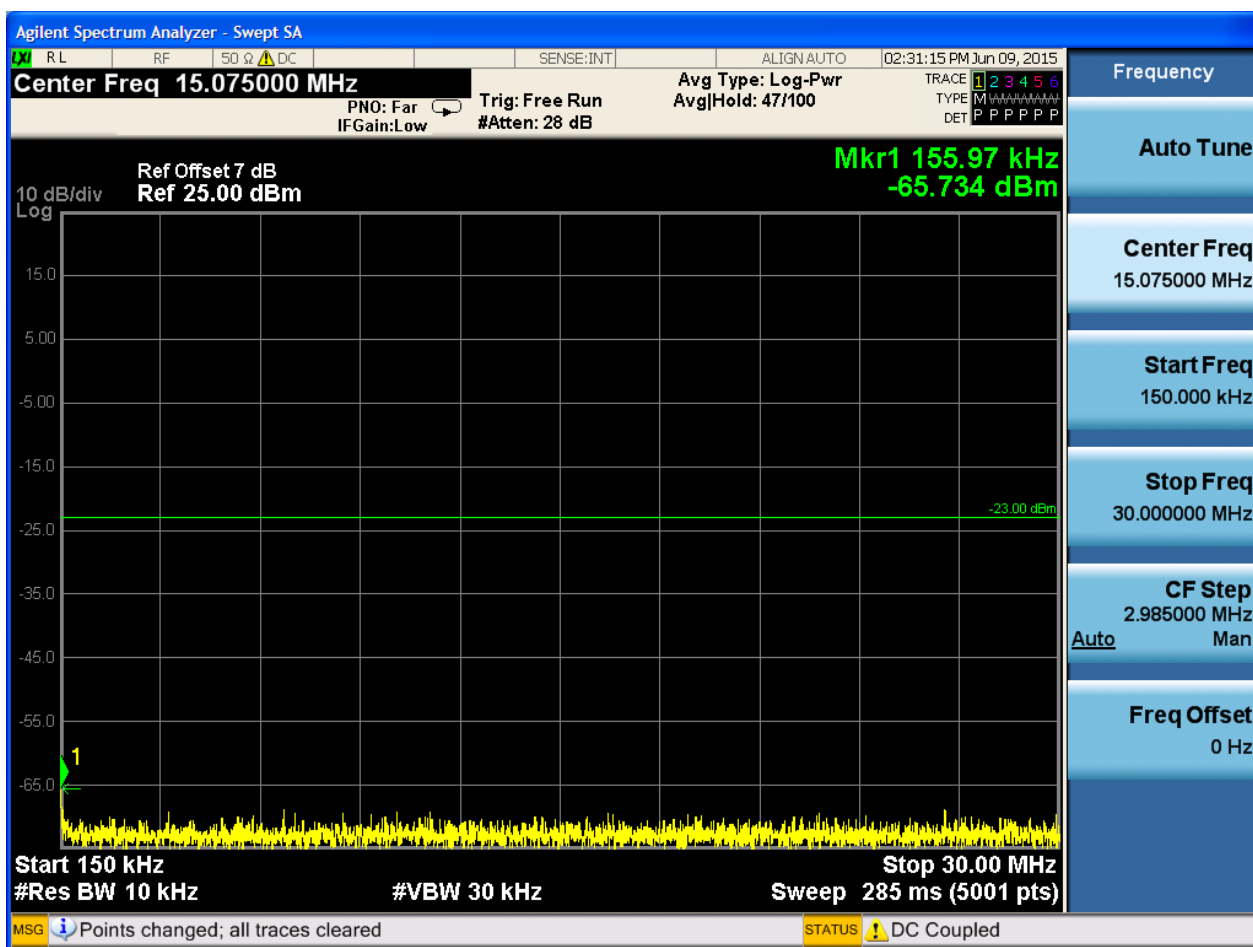


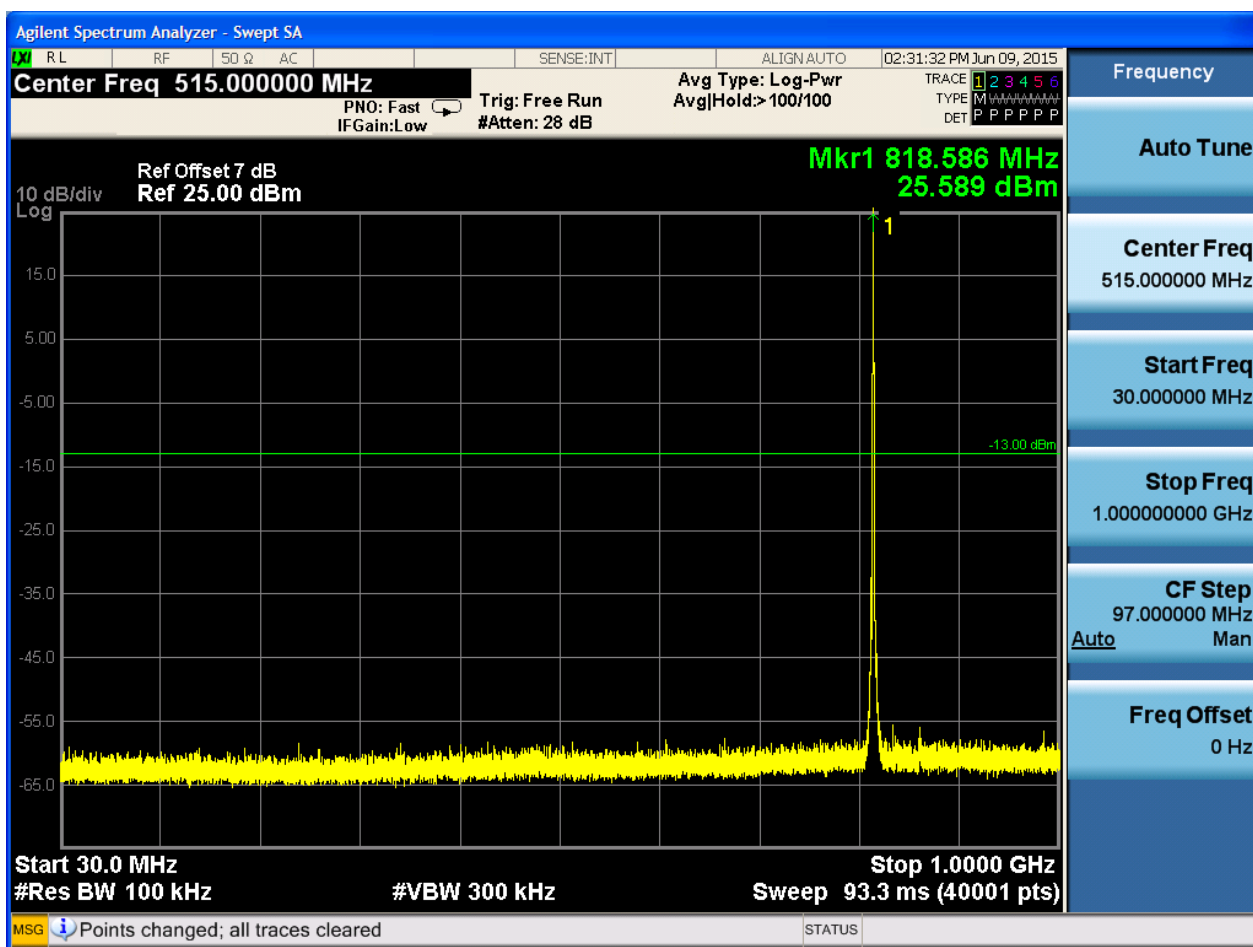


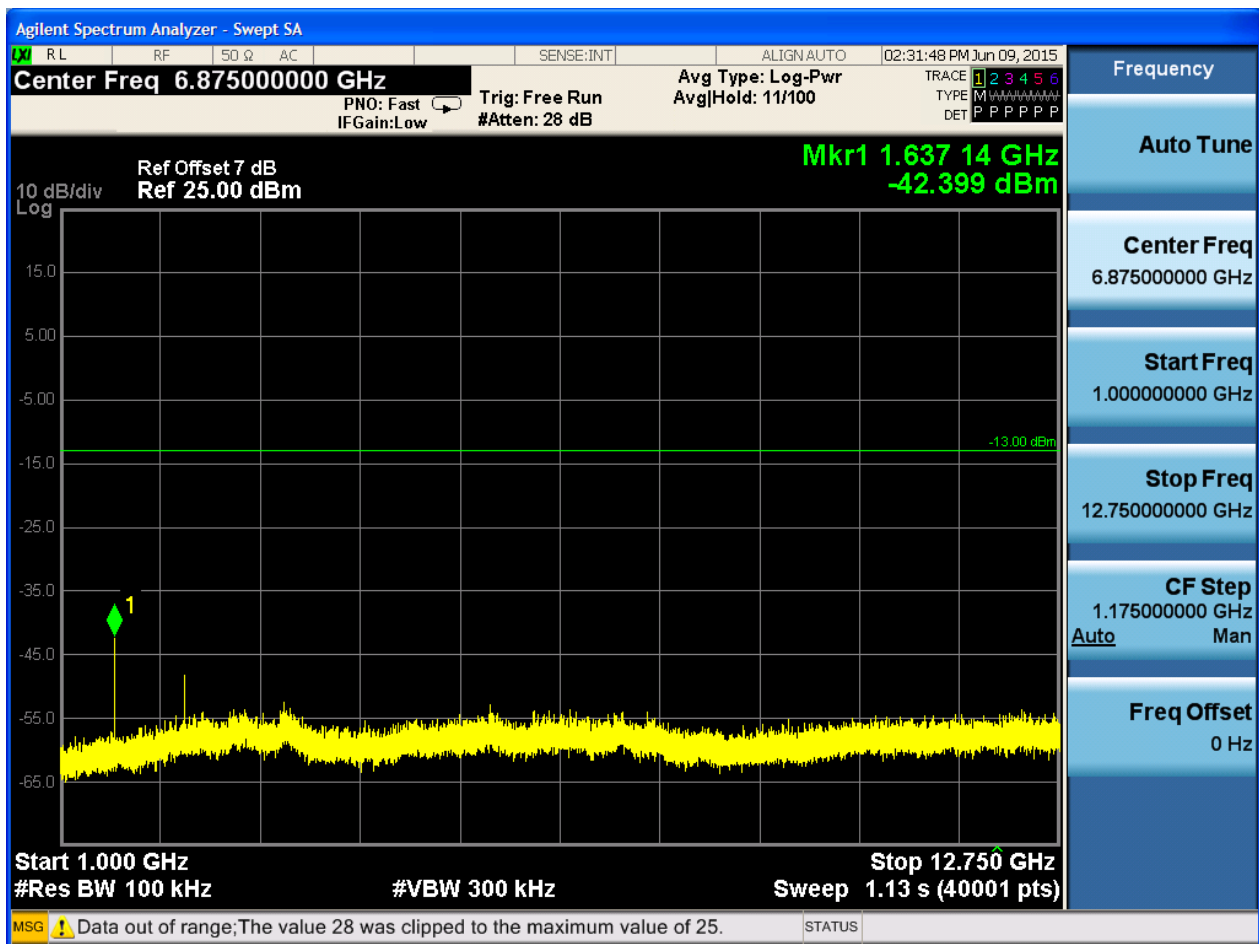
### 6.1.1.1.1.2 Test Channel = MCH

#### 6.1.1.1.1.2.1 Test RB = RB1#0



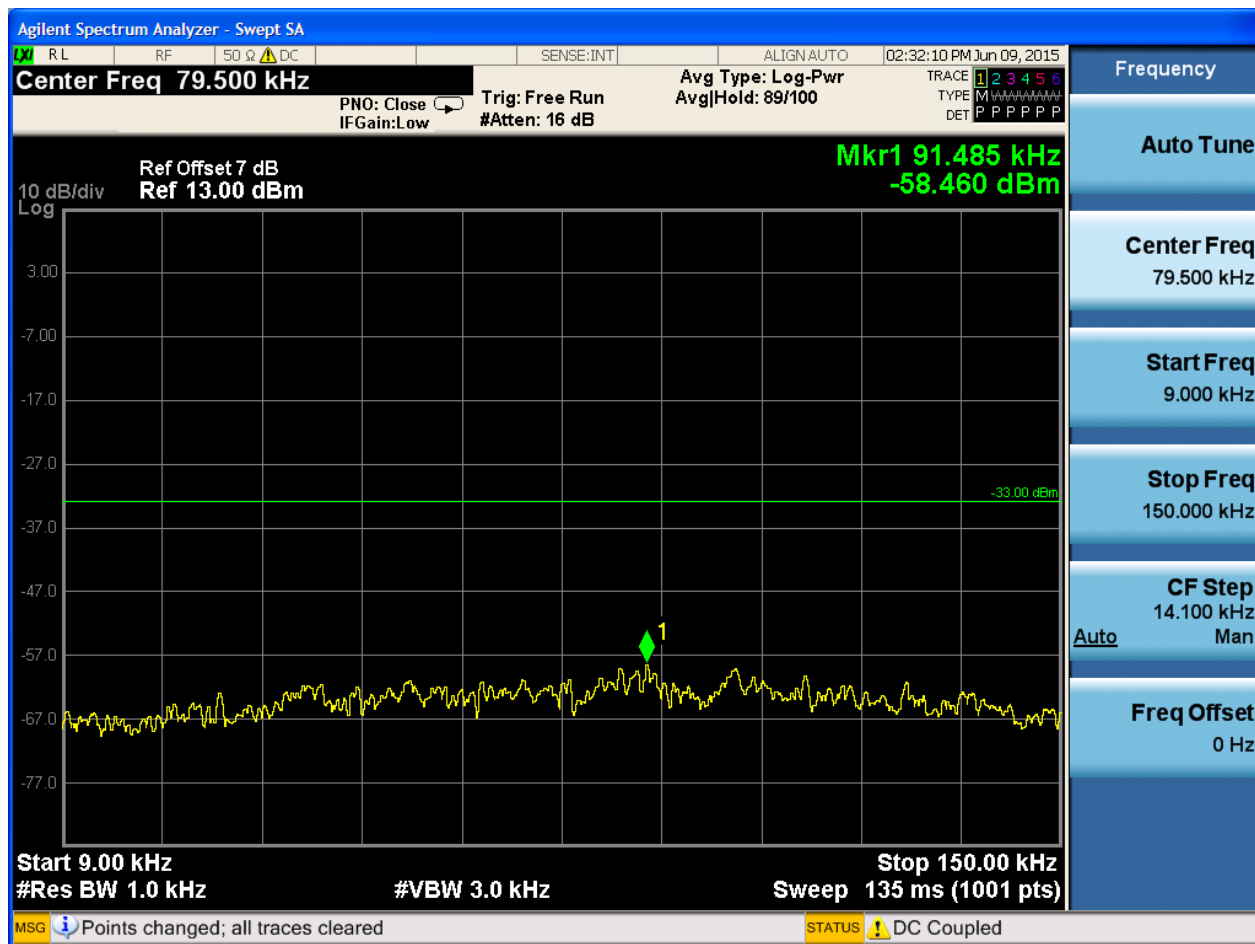


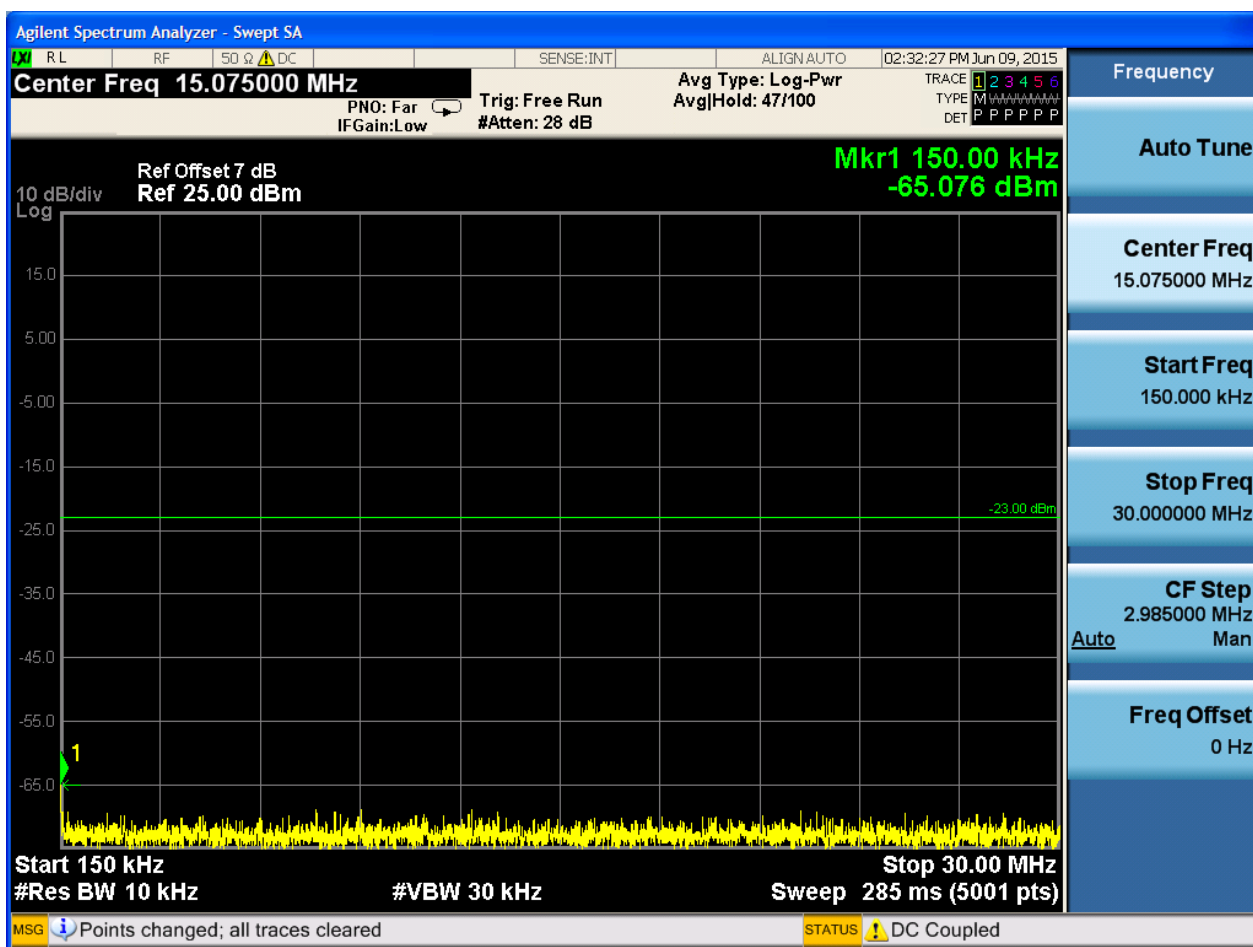


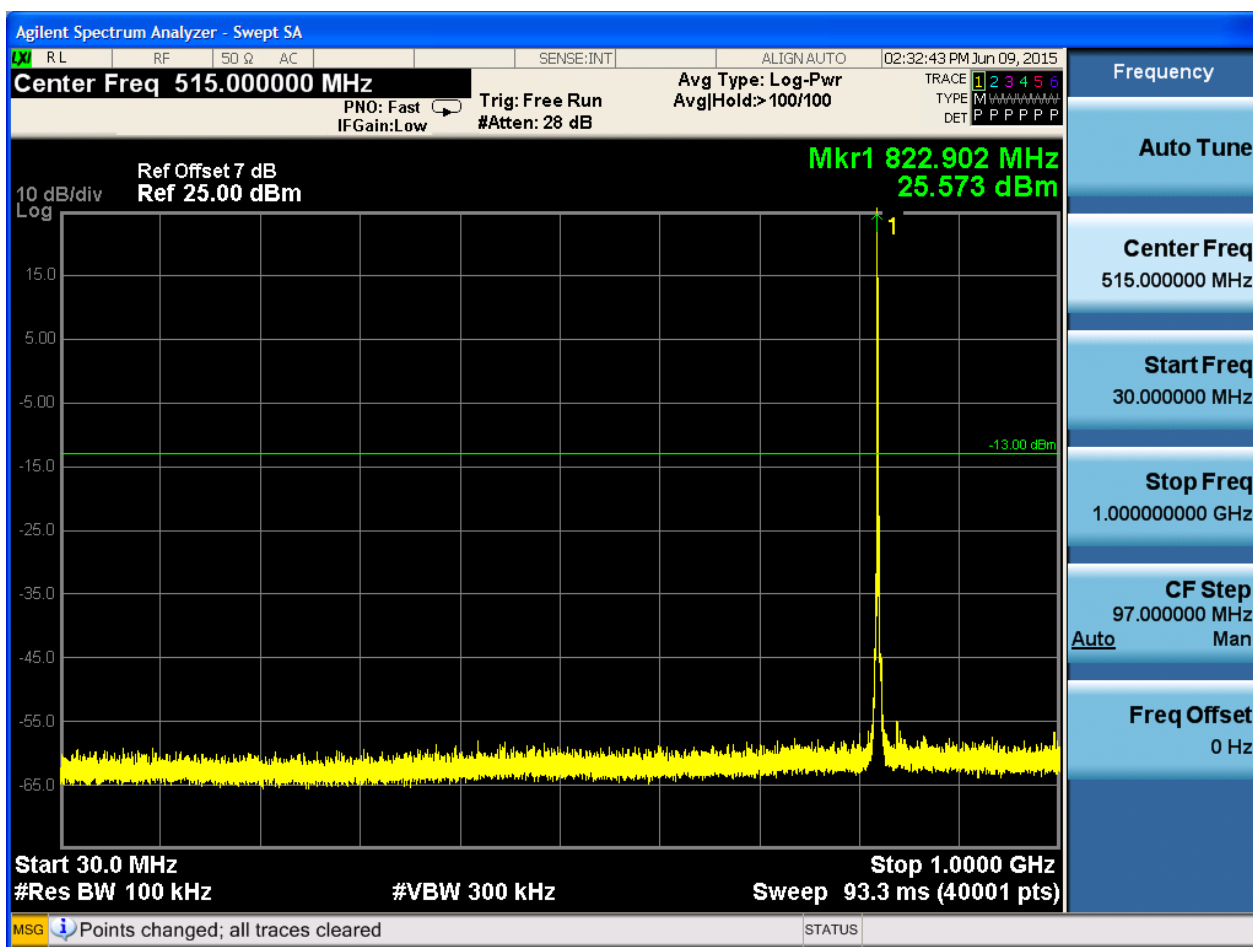


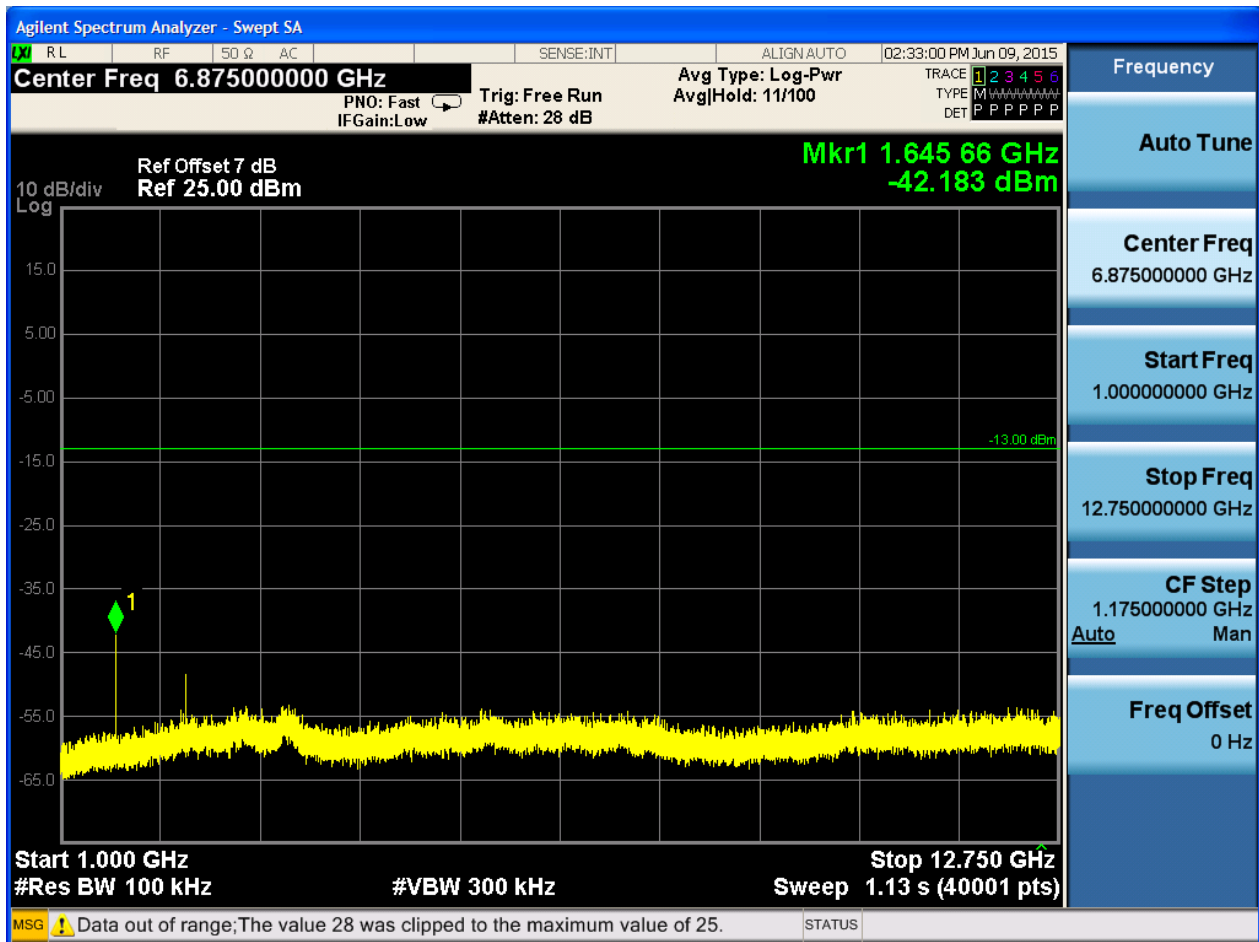
### 6.1.1.1.1.3 Test Channel = HCH

#### 6.1.1.1.1.3.1 Test RB = RB1#0





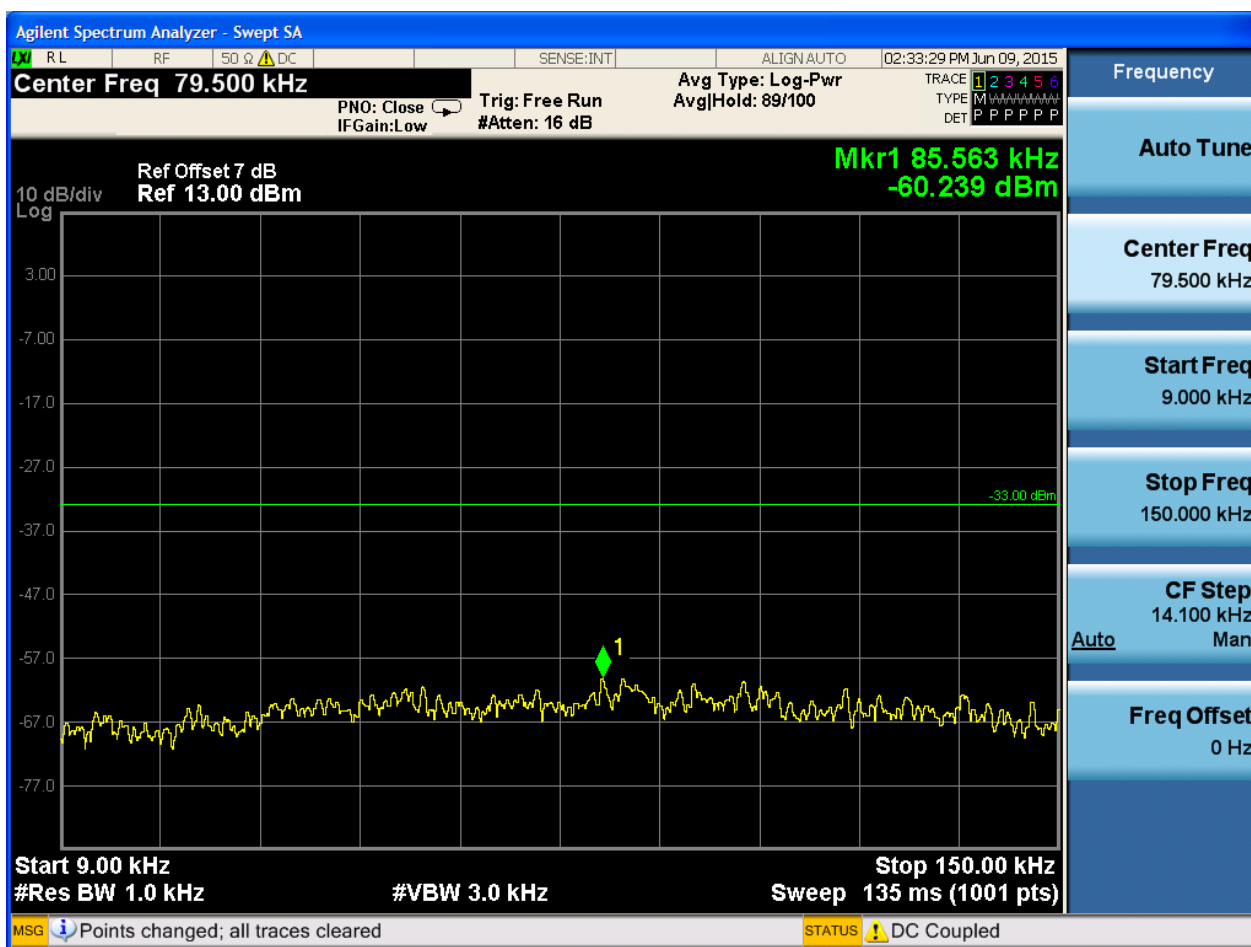


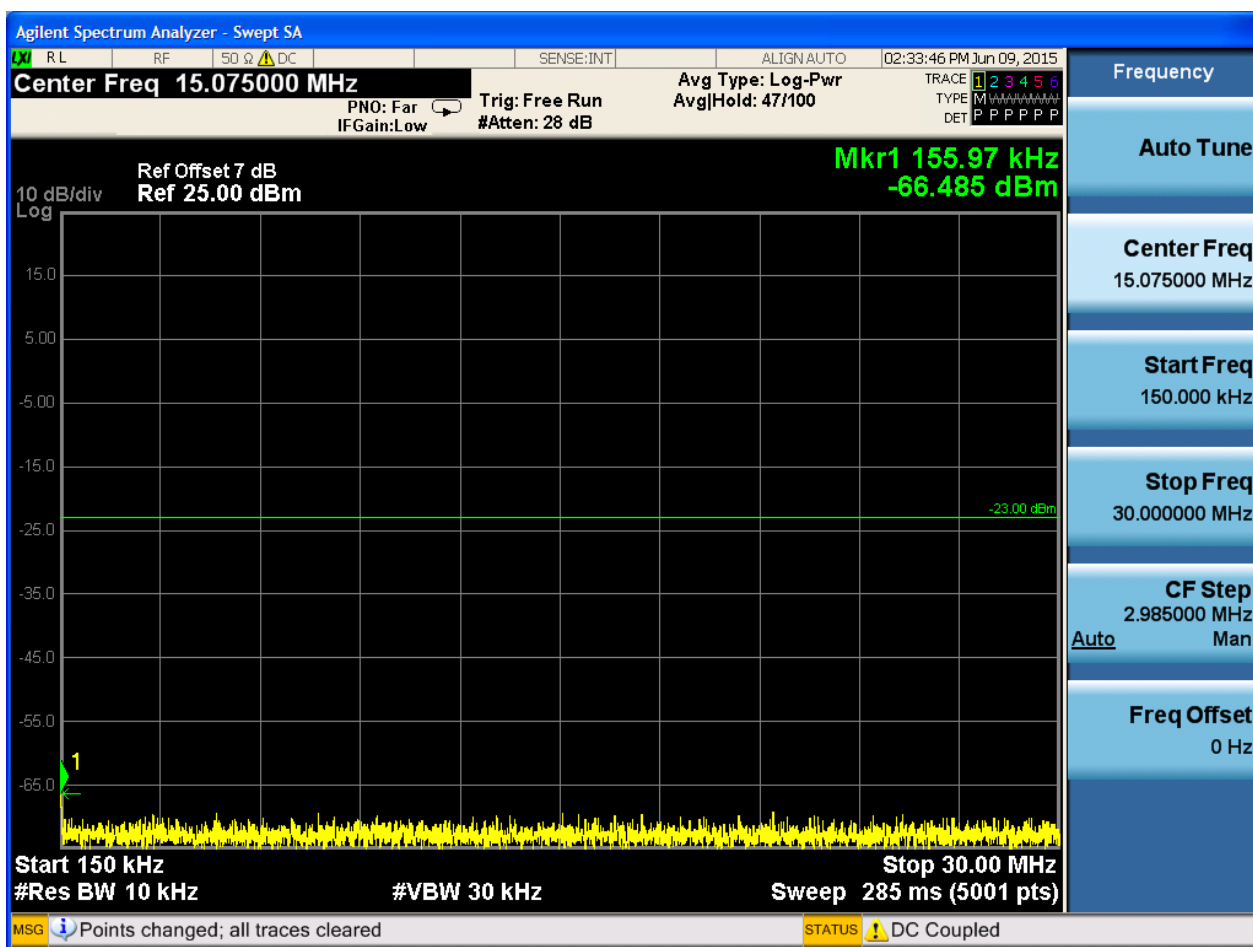


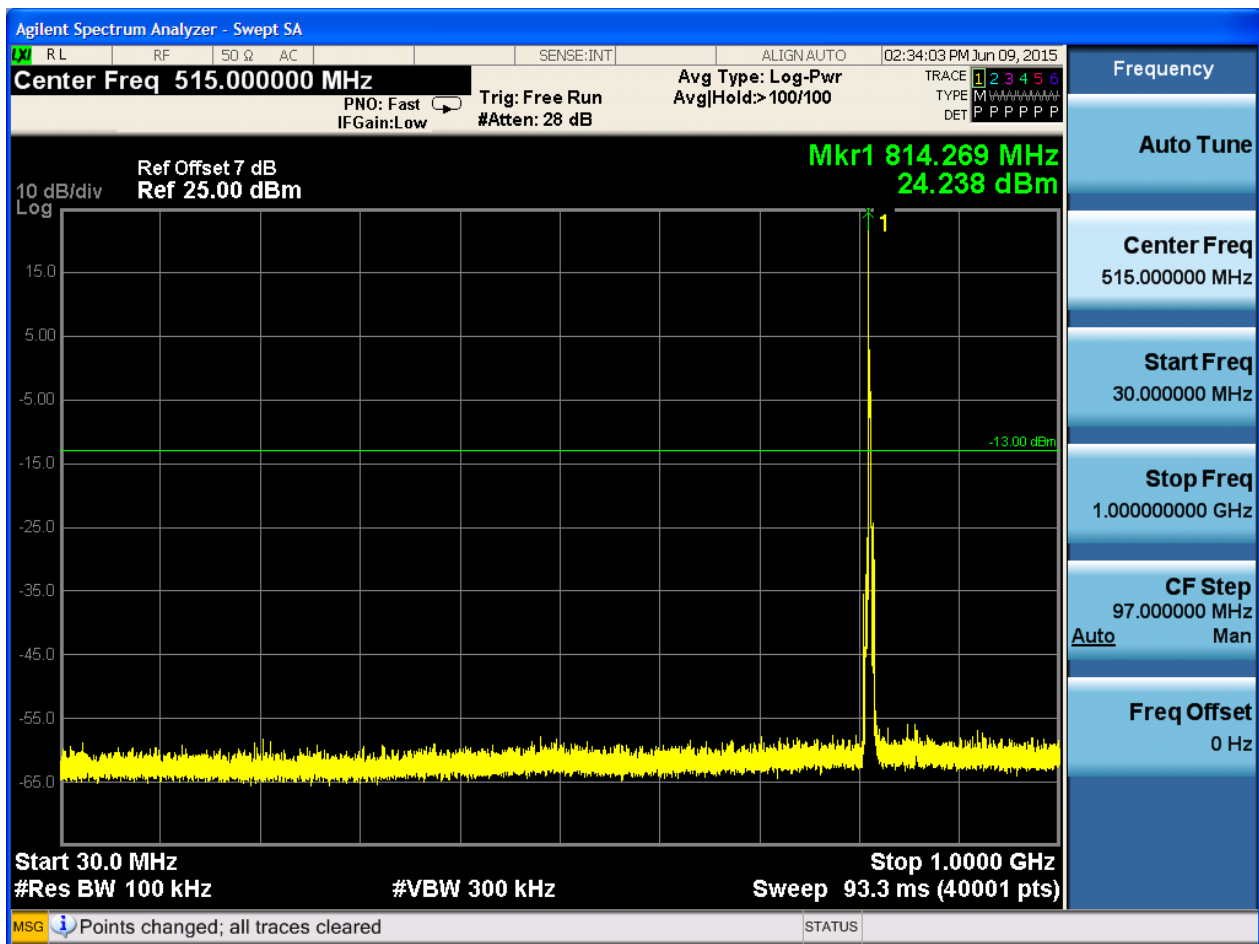
### 6.1.1.1.2 Test Bandwidth = 3

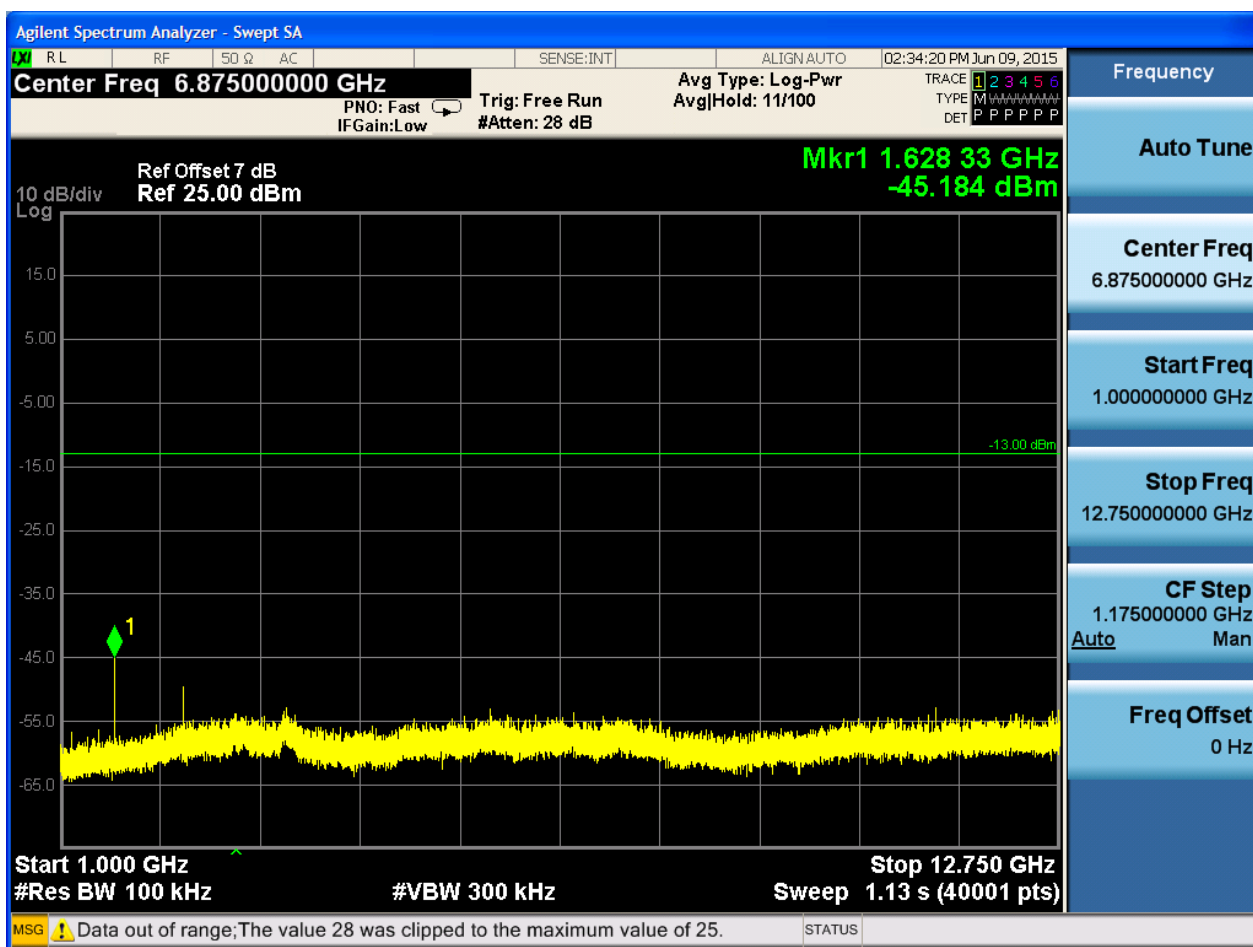
#### 6.1.1.1.2.1 Test Channel = LCH

##### 6.1.1.1.2.1.1 Test RB = RB1#0



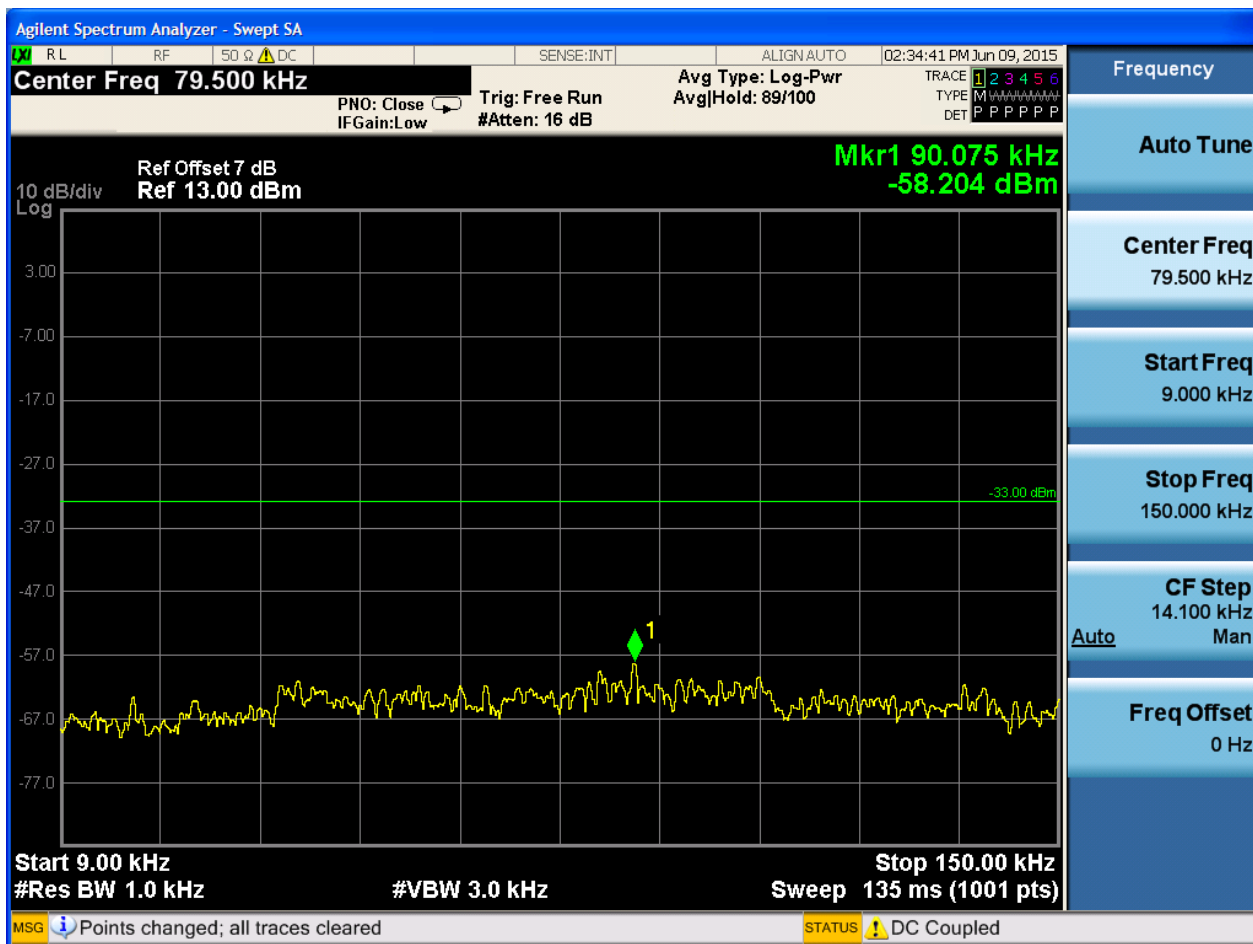




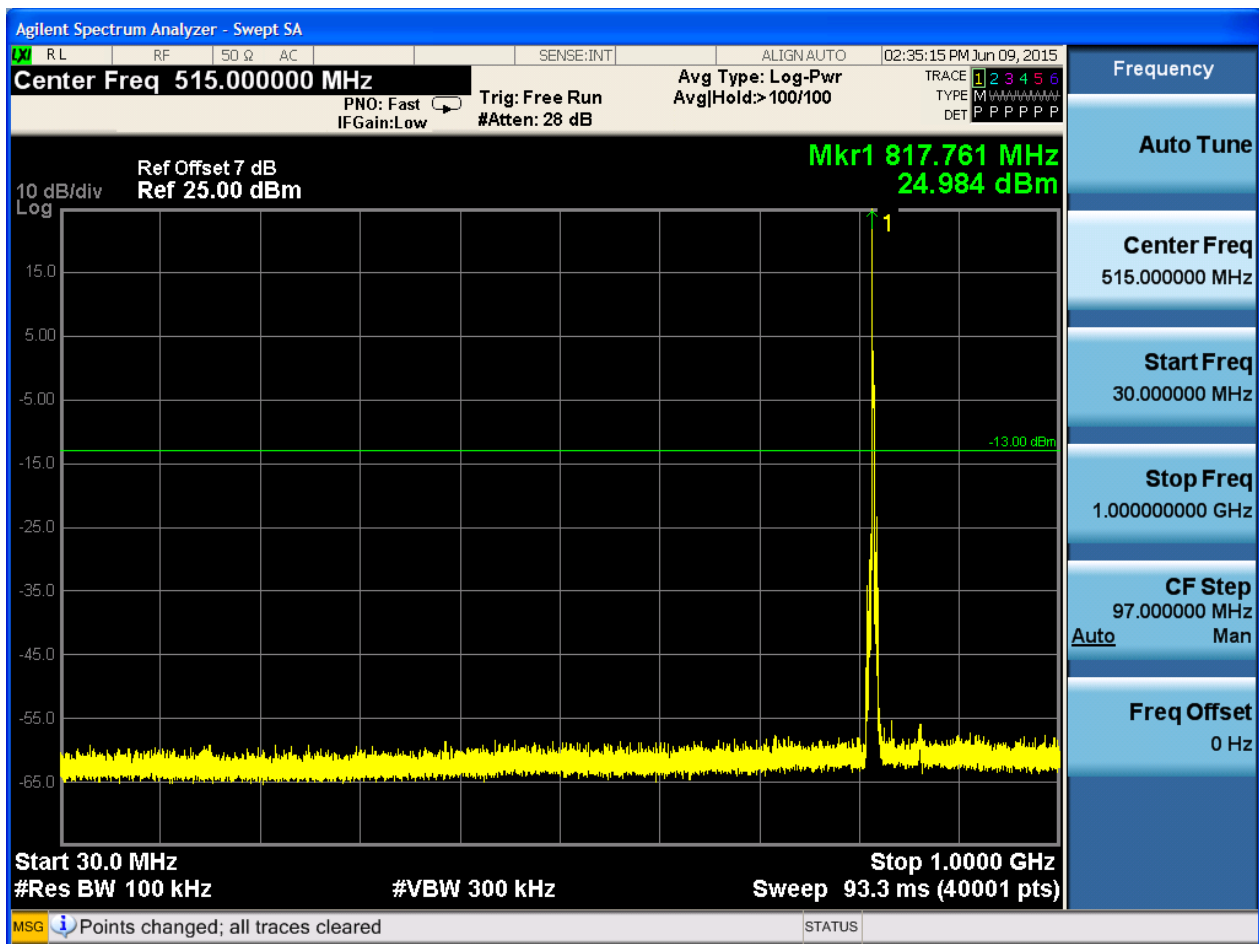


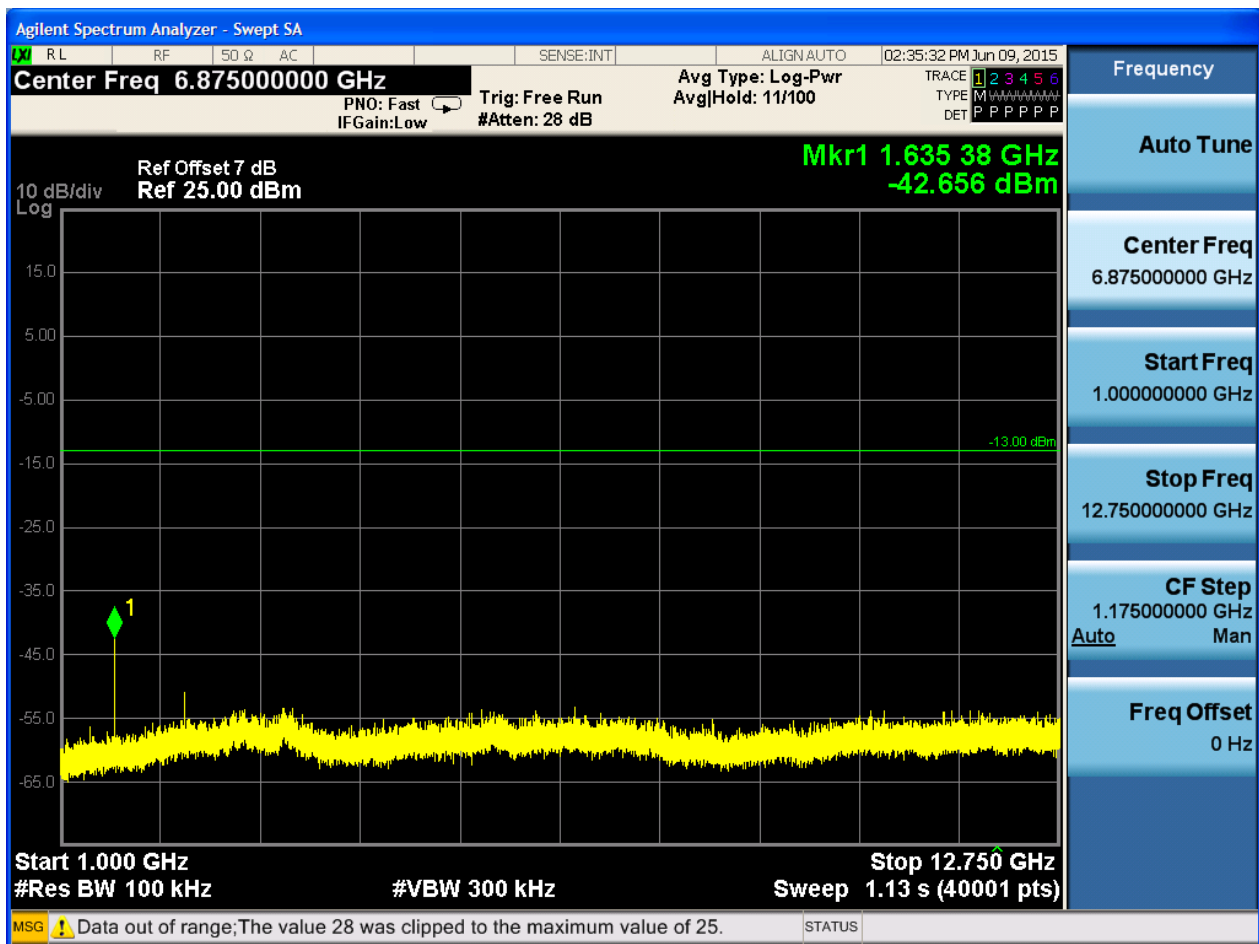
### 6.1.1.1.2.2 Test Channel = MCH

#### 6.1.1.1.2.2.1 Test RB = RB1#0









### 6.1.1.1.2.3 Test Channel = HCH

#### 6.1.1.1.2.3.1 Test RB = RB1#0

