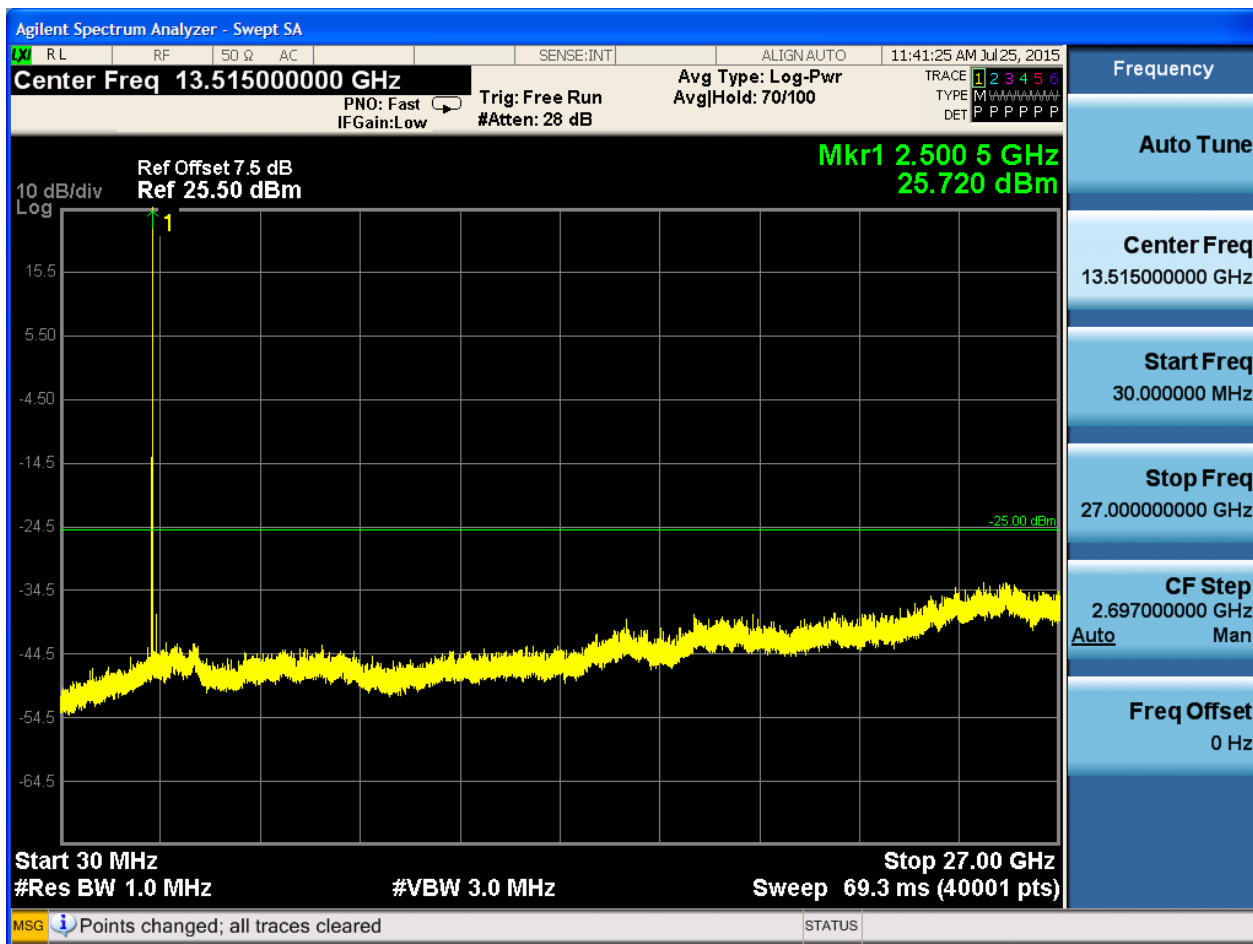
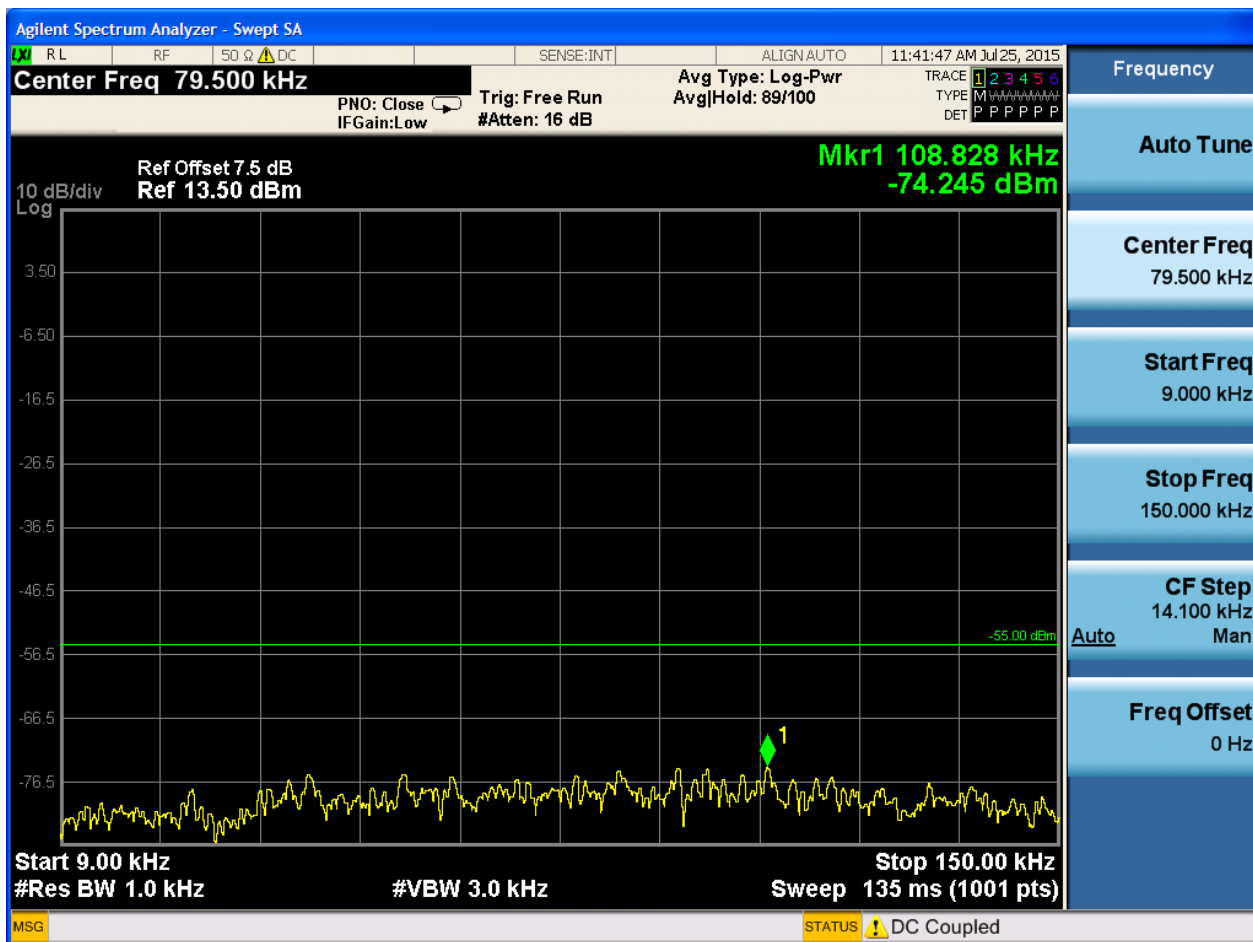
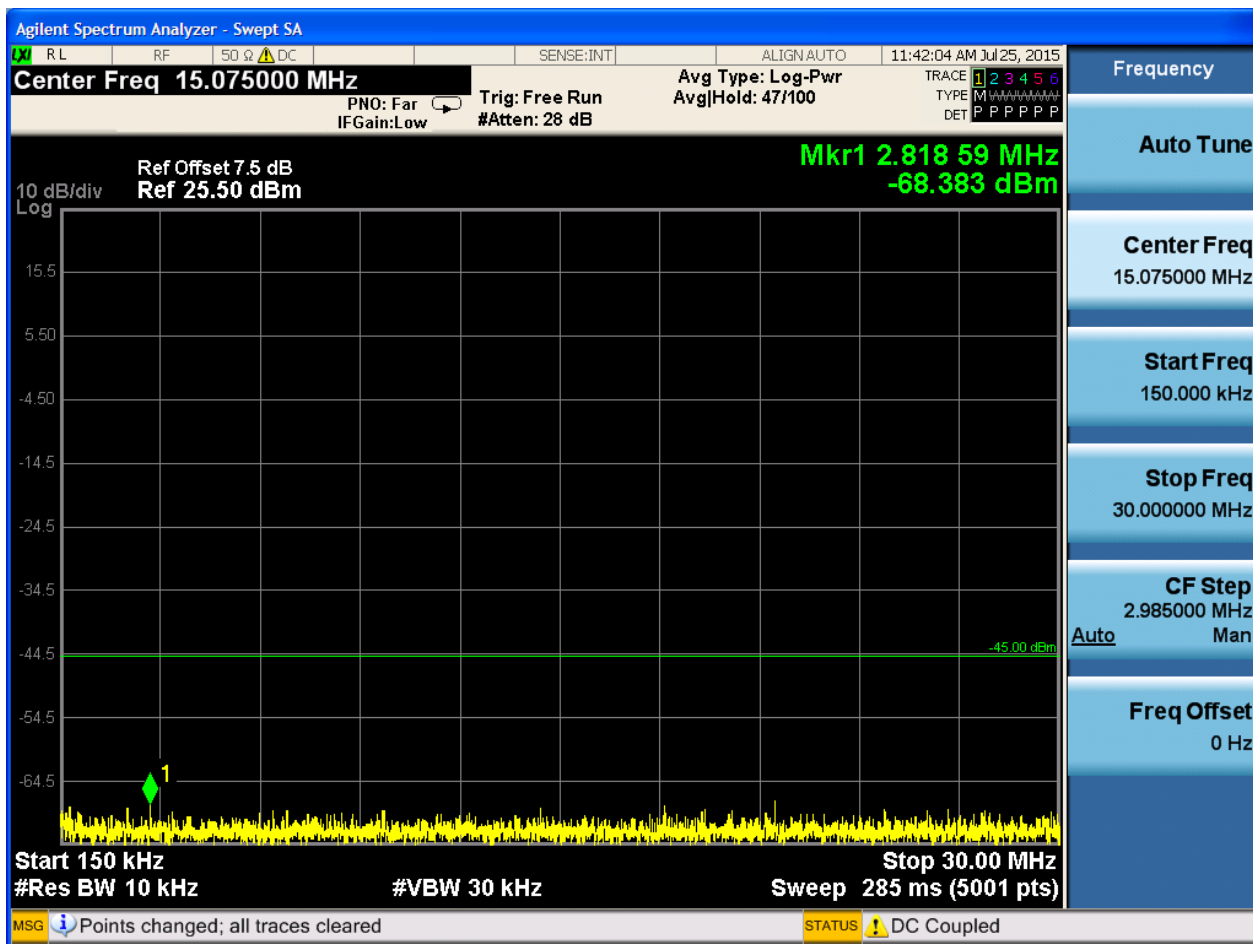


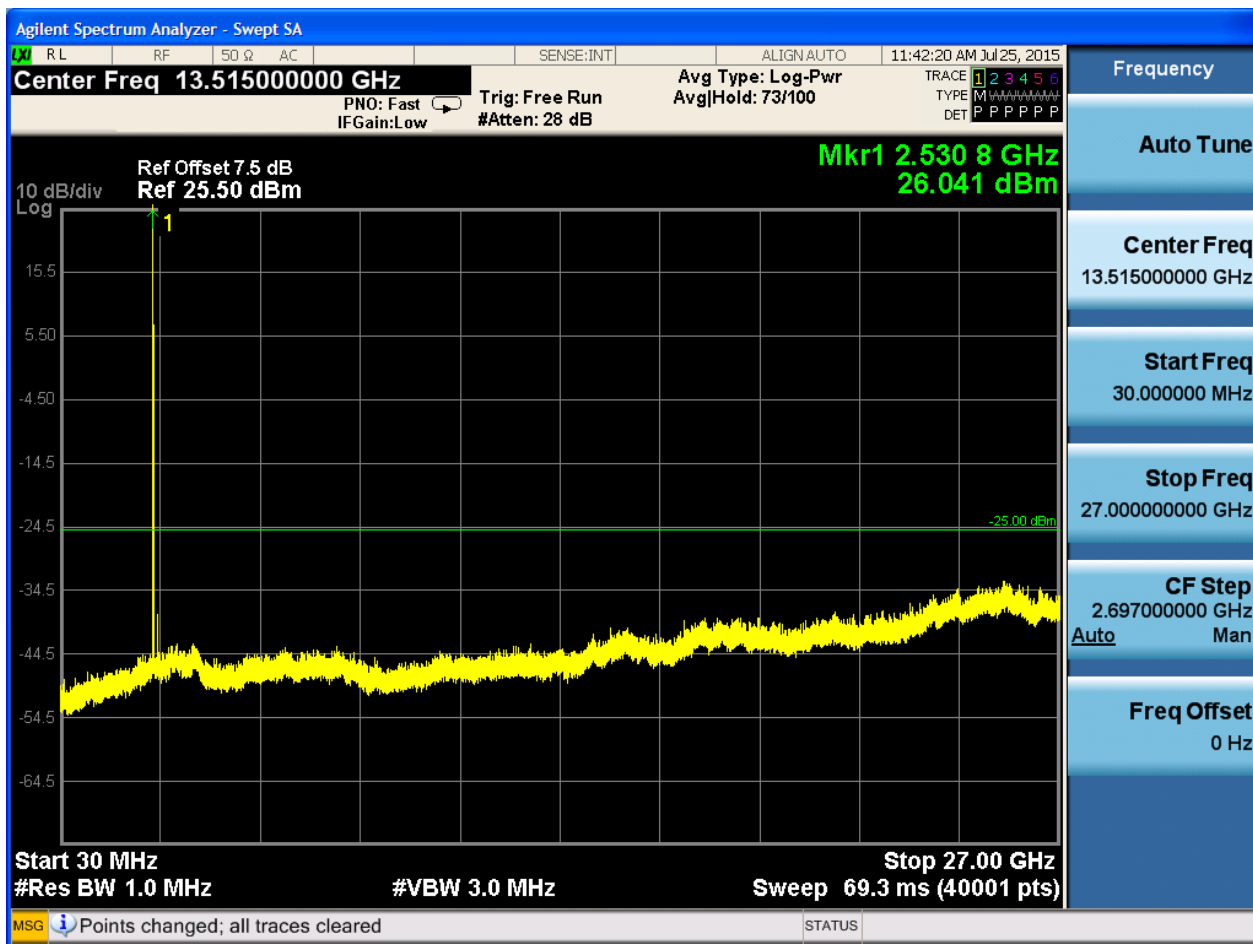


### 6.1.1.1.2.2 Test Channel = MCH

#### 6.1.1.1.2.2.1 Test RB = RB1#0

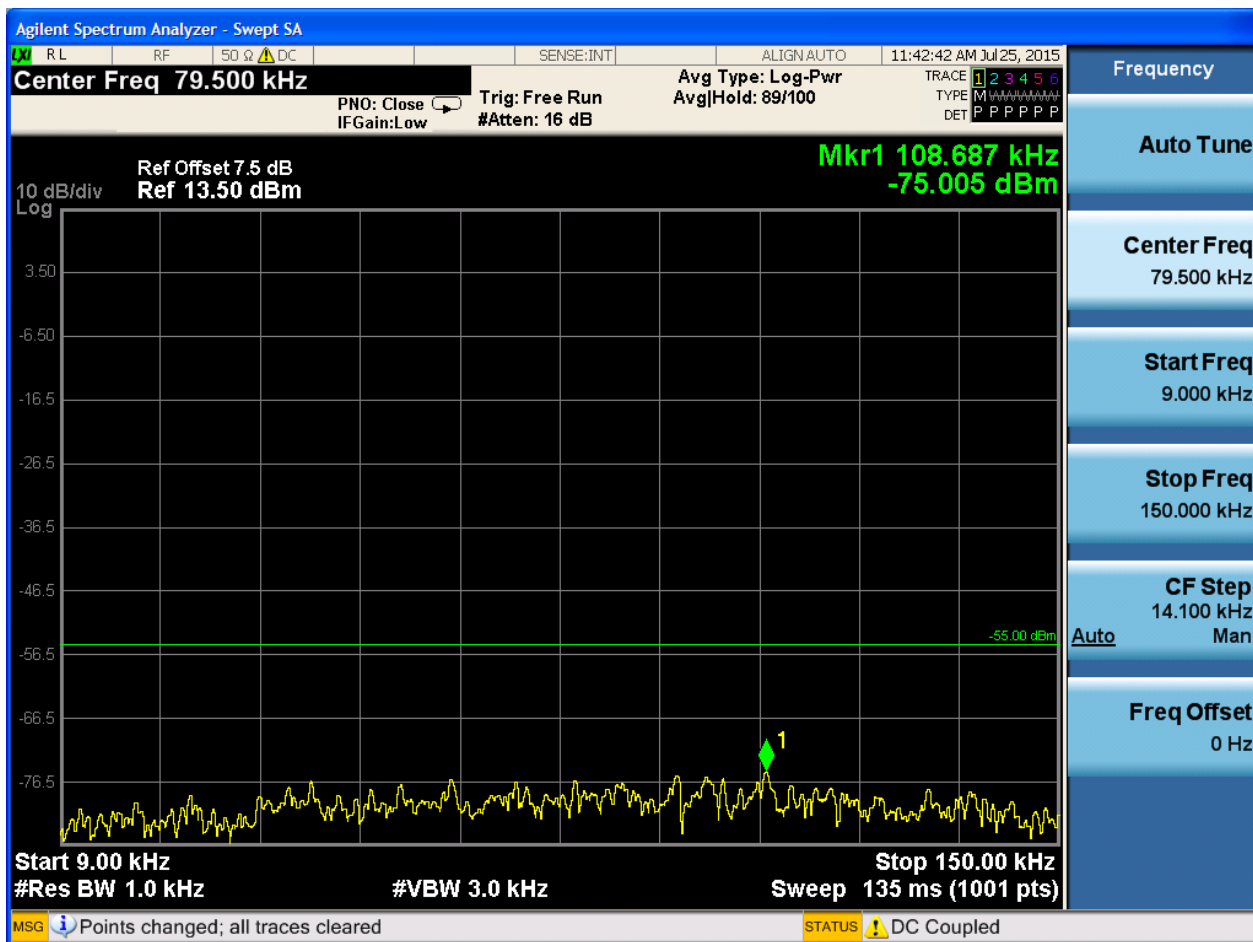


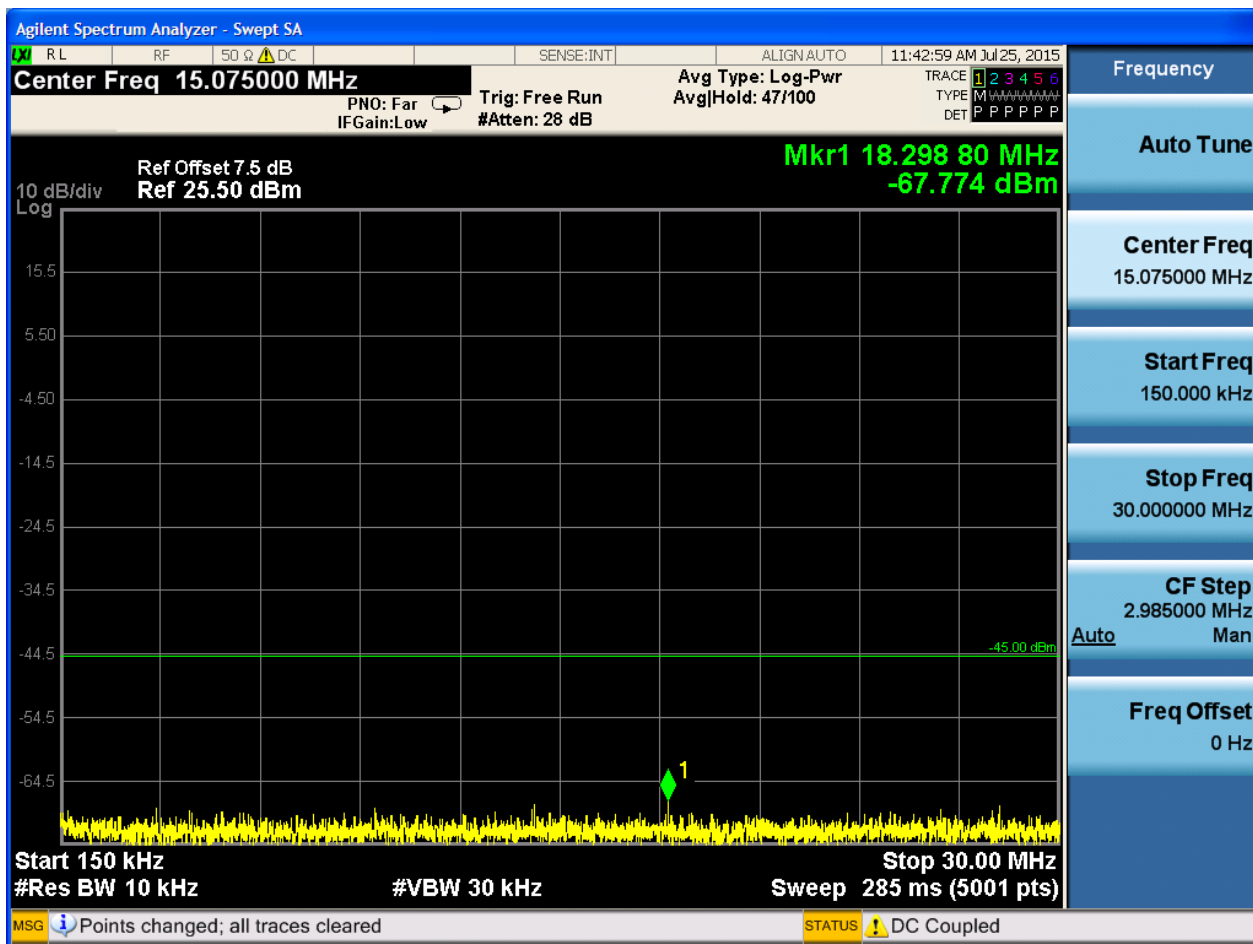


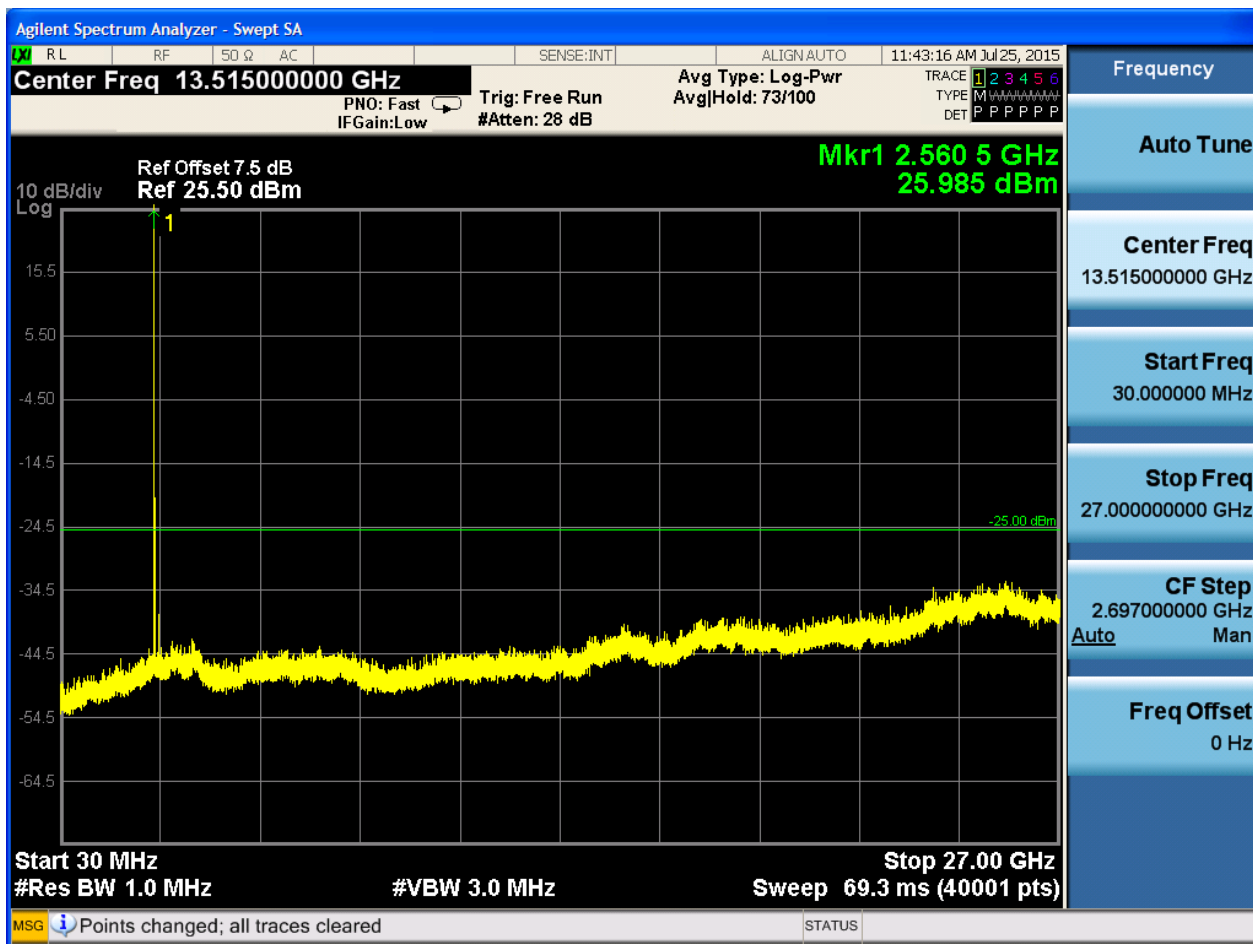


### 6.1.1.1.2.3 Test Channel = HCH

#### 6.1.1.1.2.3.1 Test RB = RB1#0



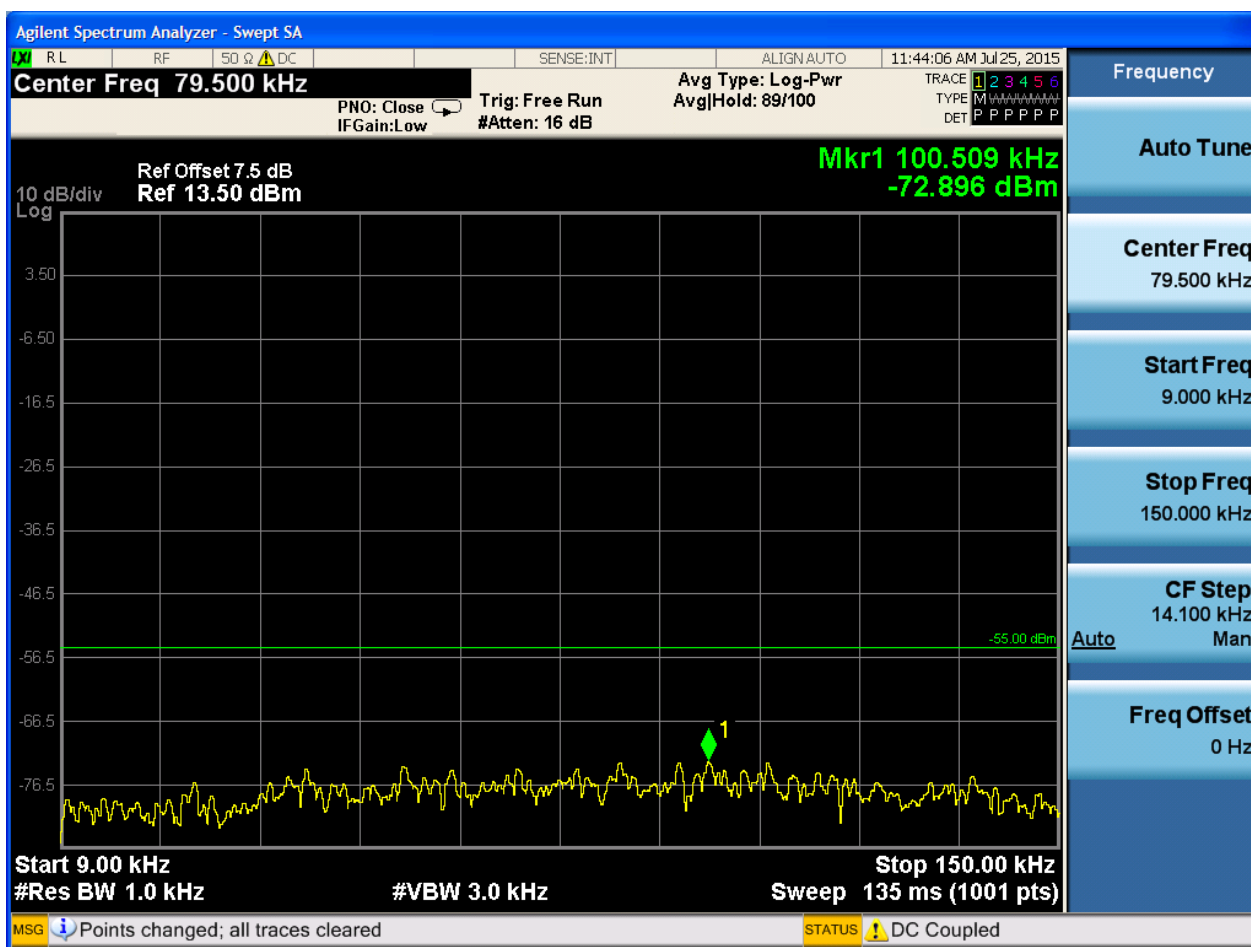




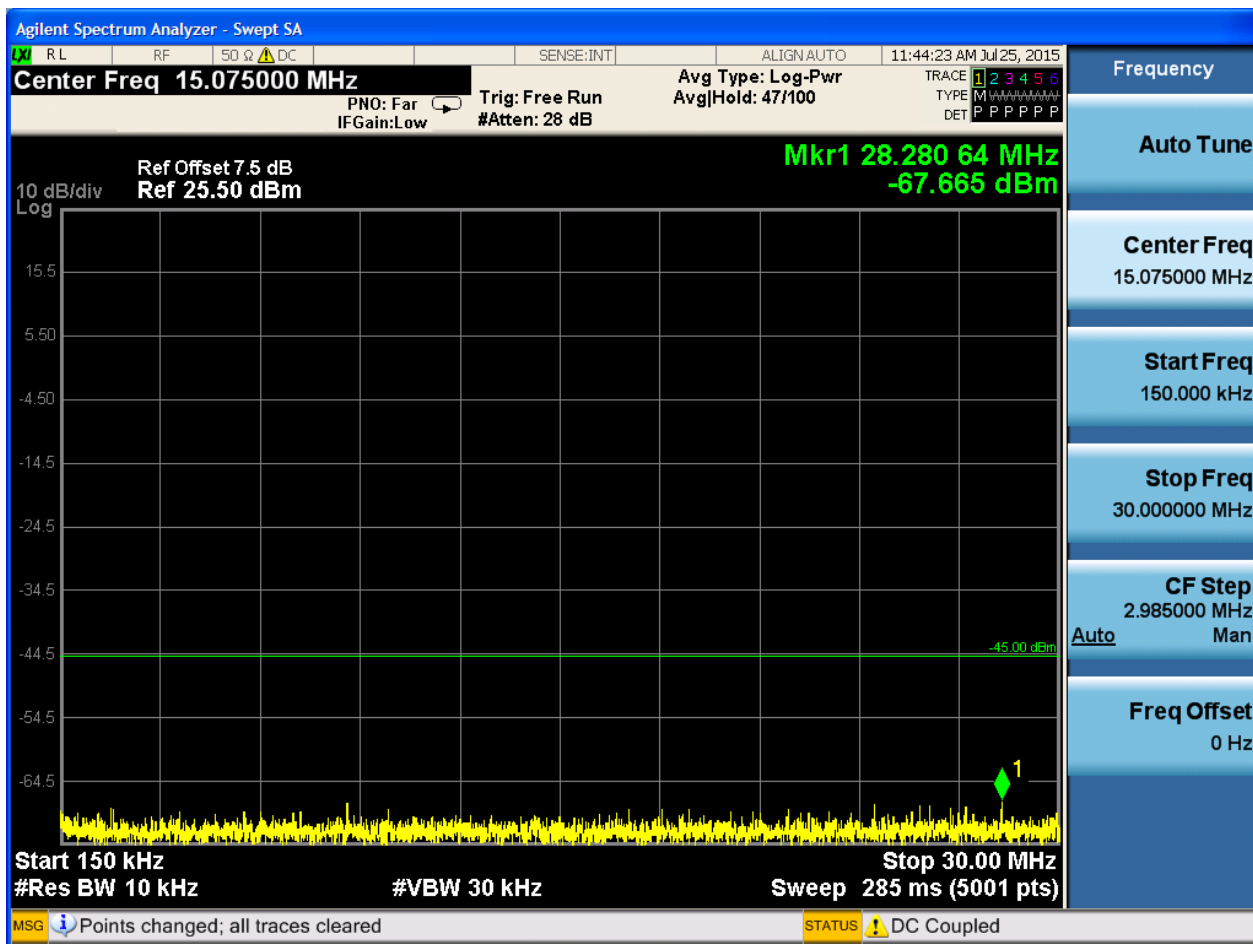
### 6.1.1.1.3 Test Bandwidth = 15

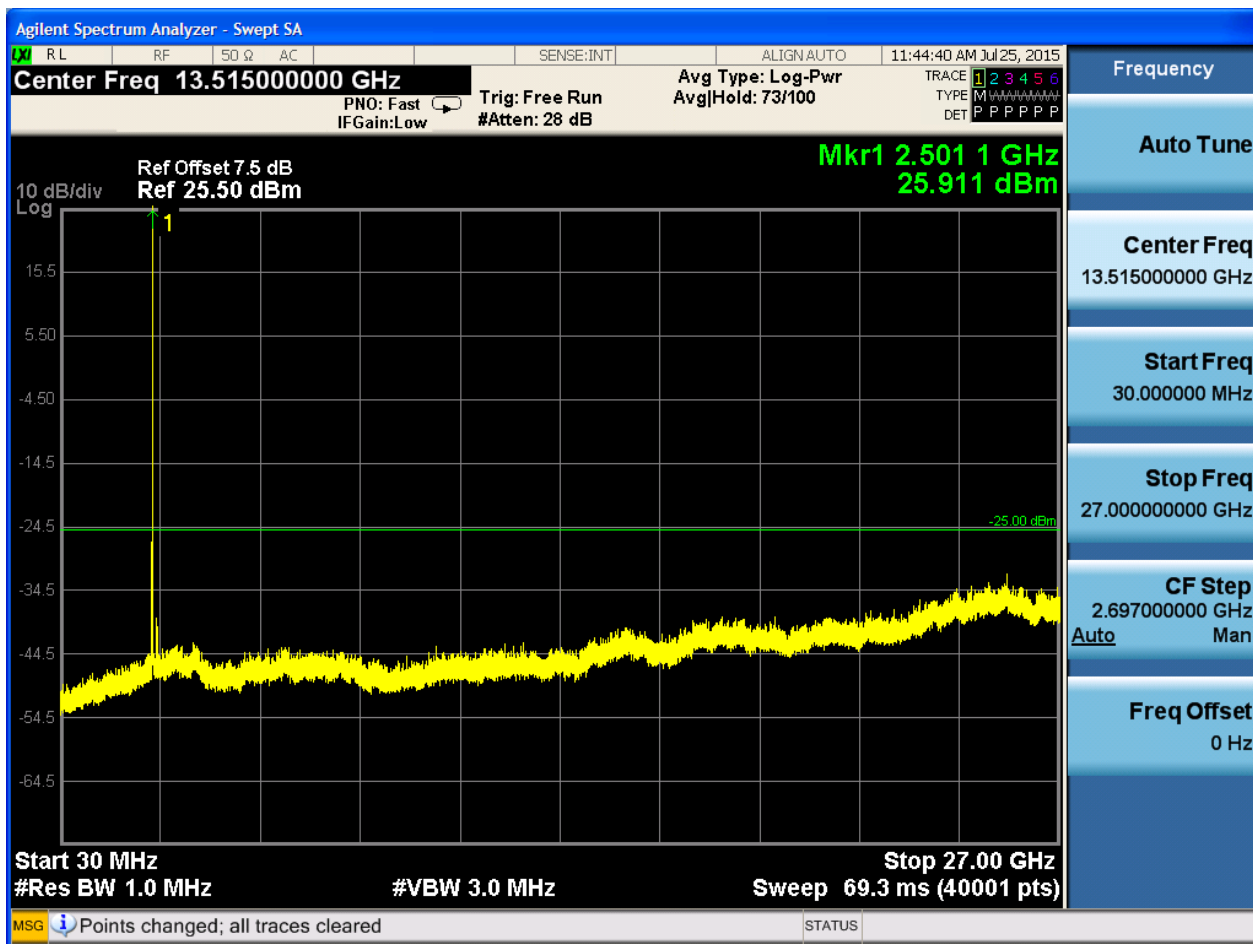
#### 6.1.1.1.3.1 Test Channel = LCH

##### 6.1.1.1.3.1.1 Test RB = RB1#0



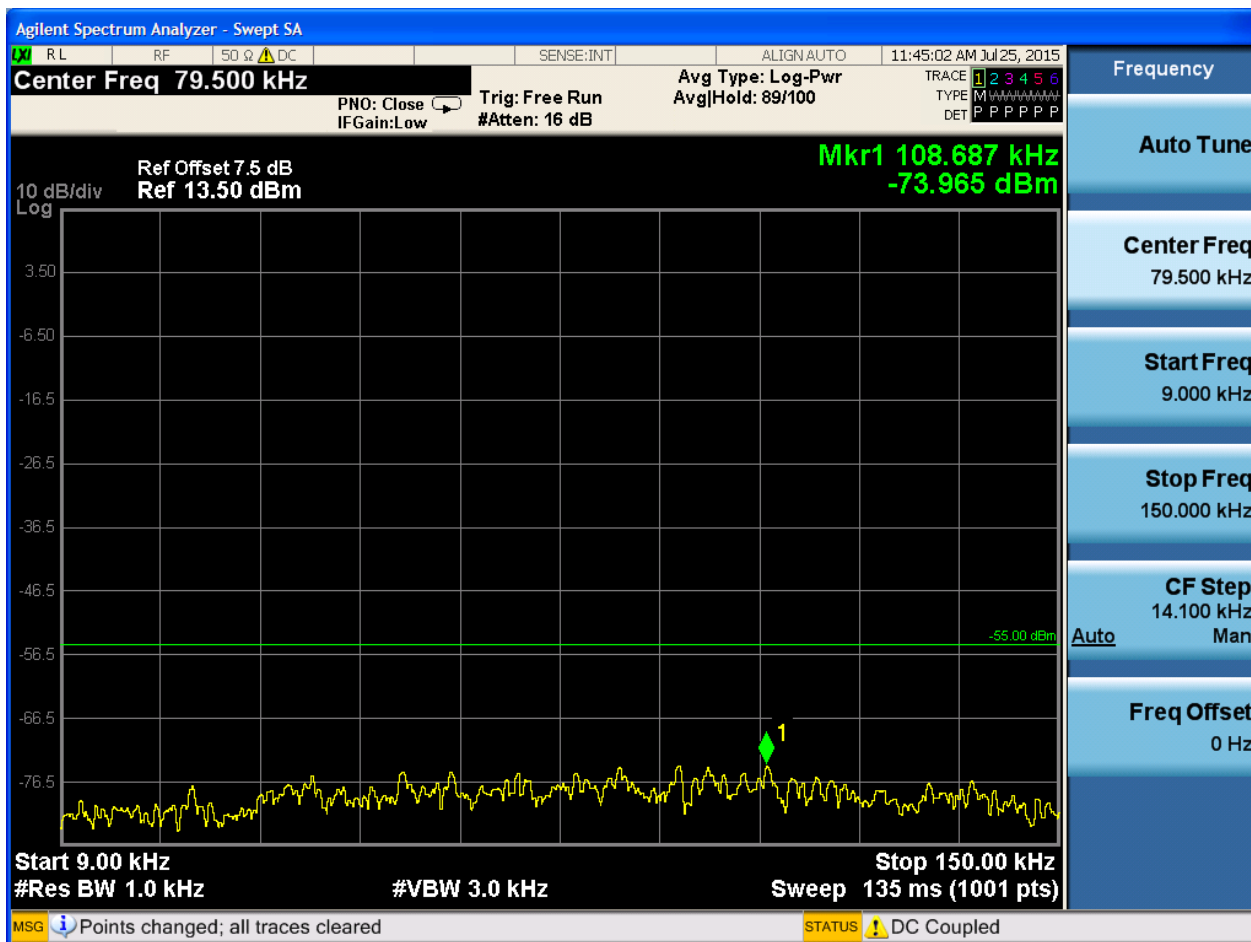


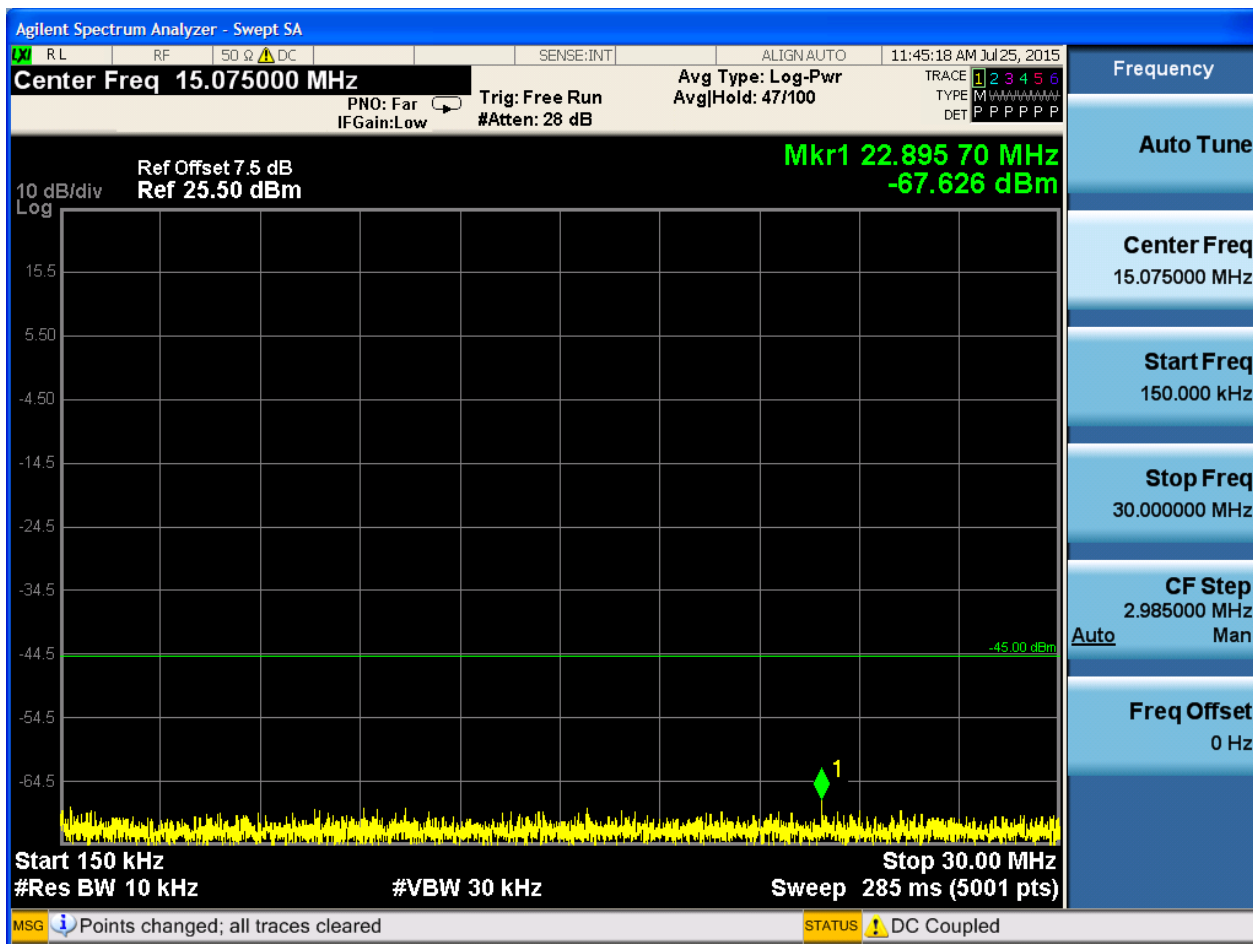




### 6.1.1.1.3.2 Test Channel = MCH

#### 6.1.1.1.3.2.1 Test RB = RB1#0

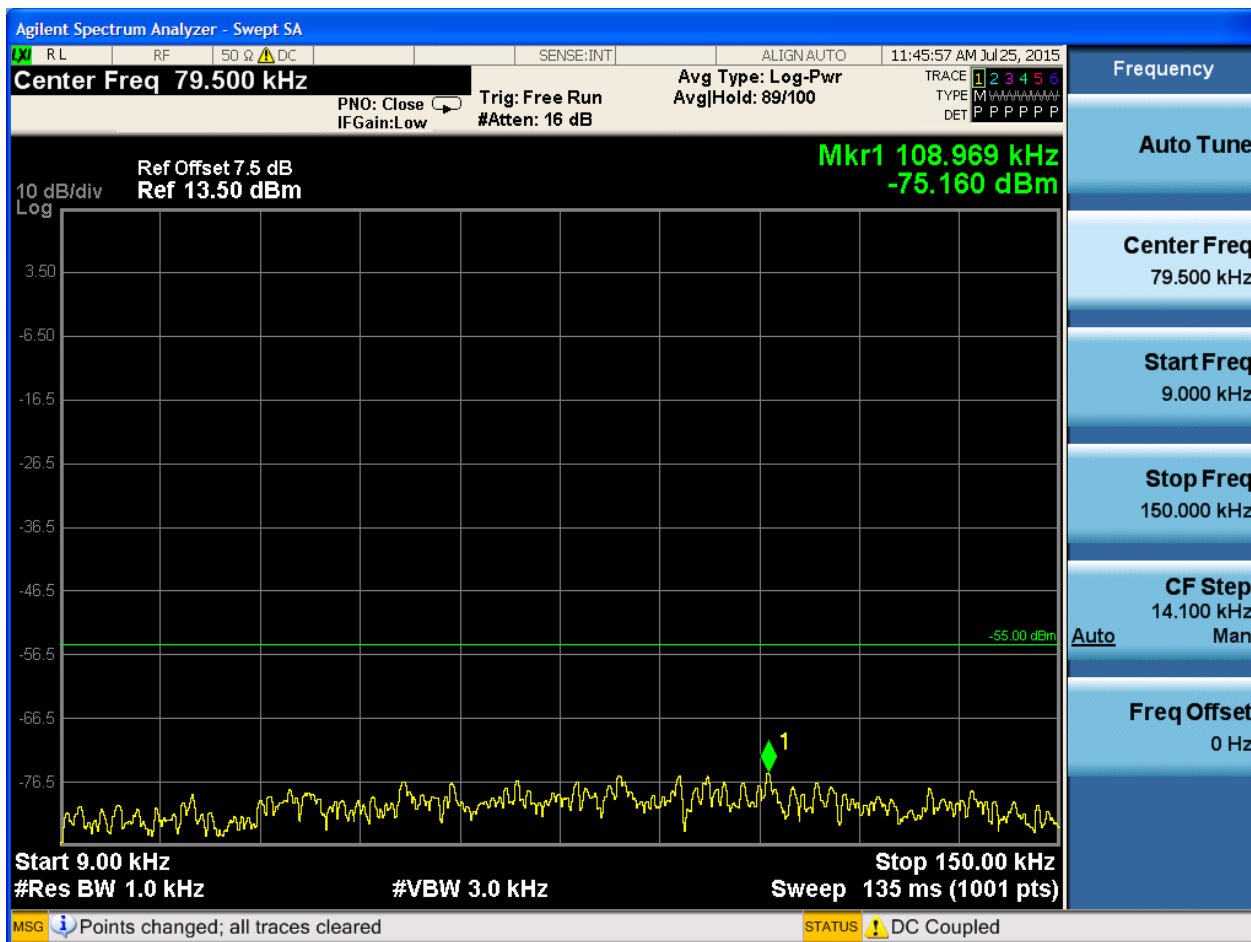


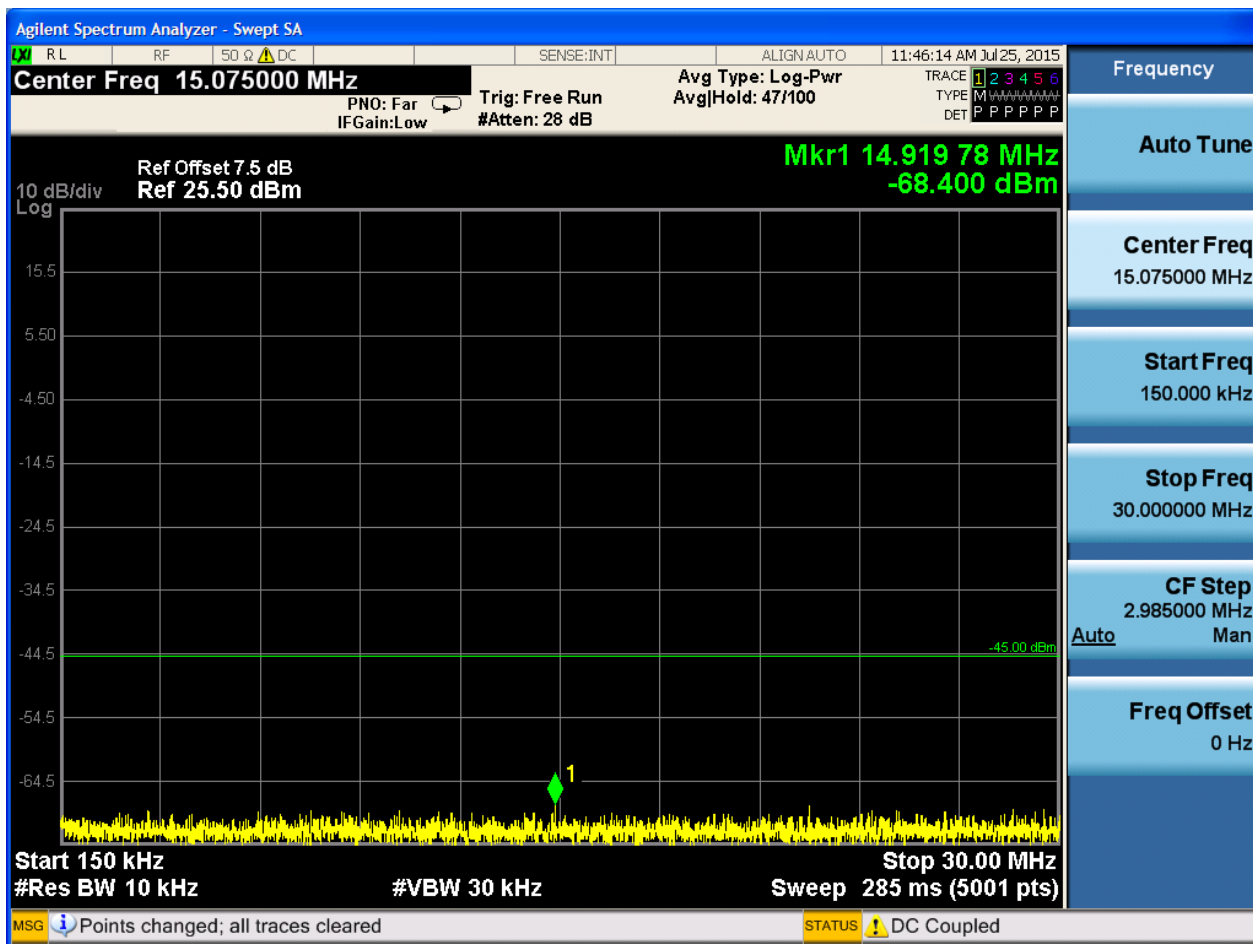




### 6.1.1.1.3.3 Test Channel = HCH

#### 6.1.1.1.3.3.1 Test RB = RB1#0





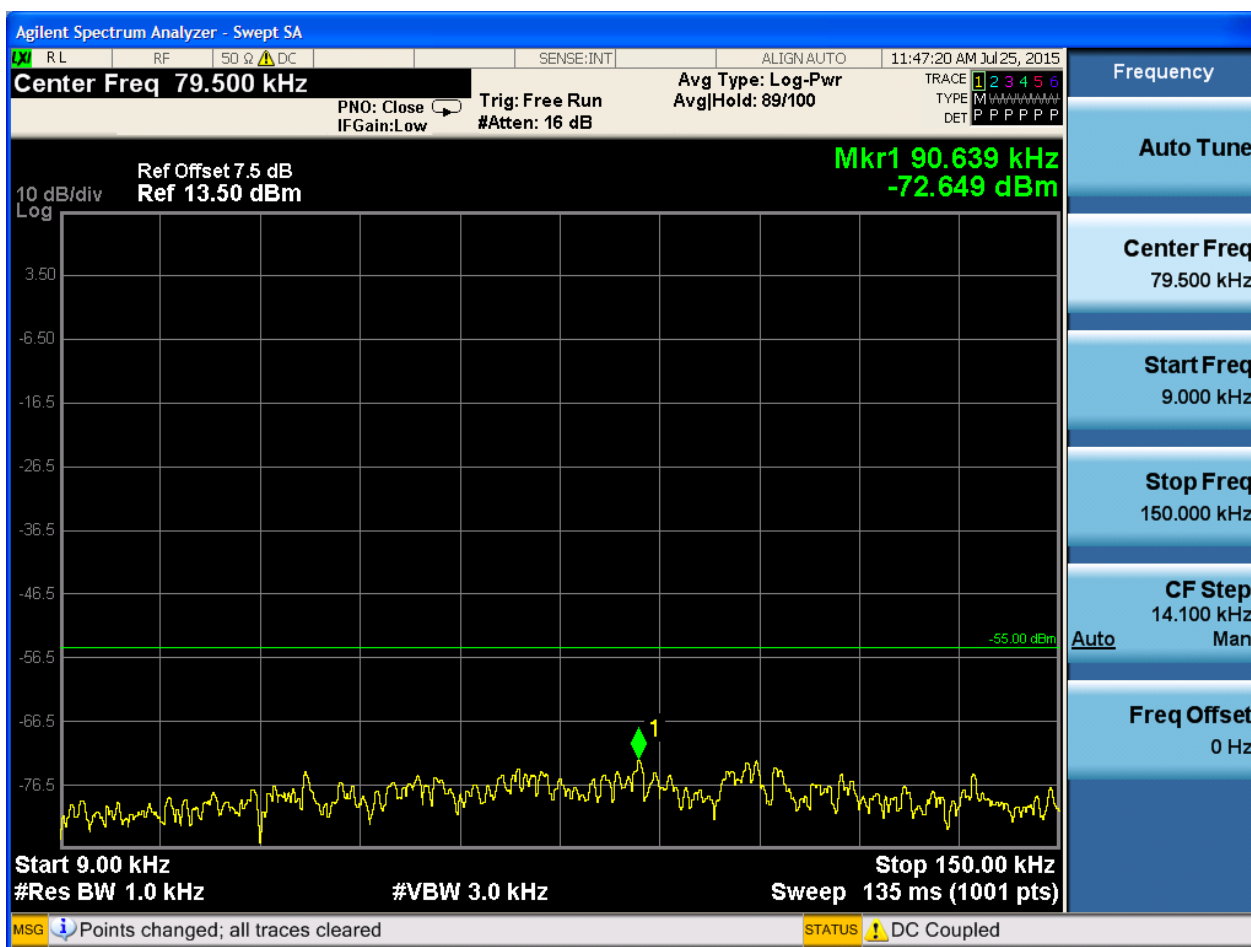


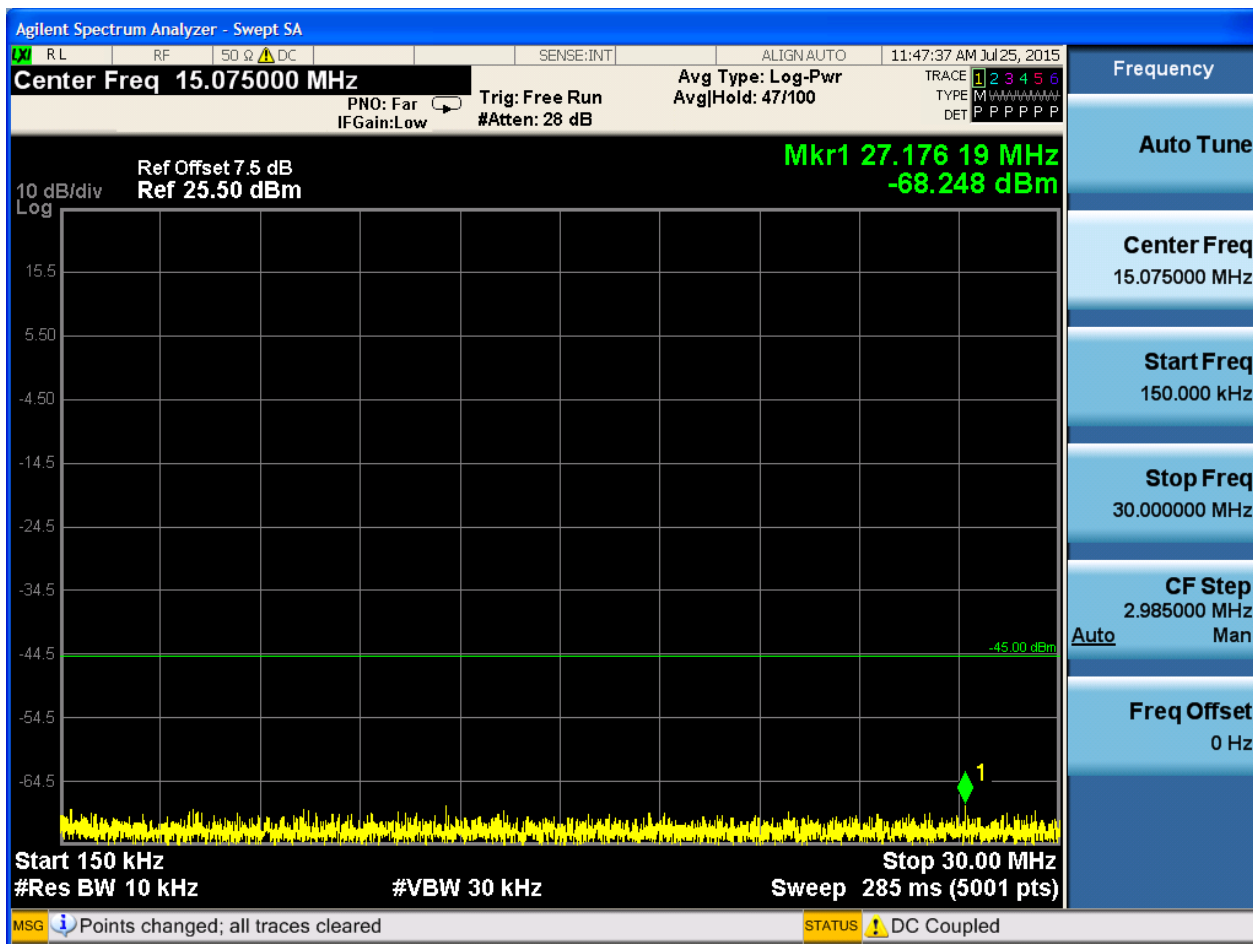


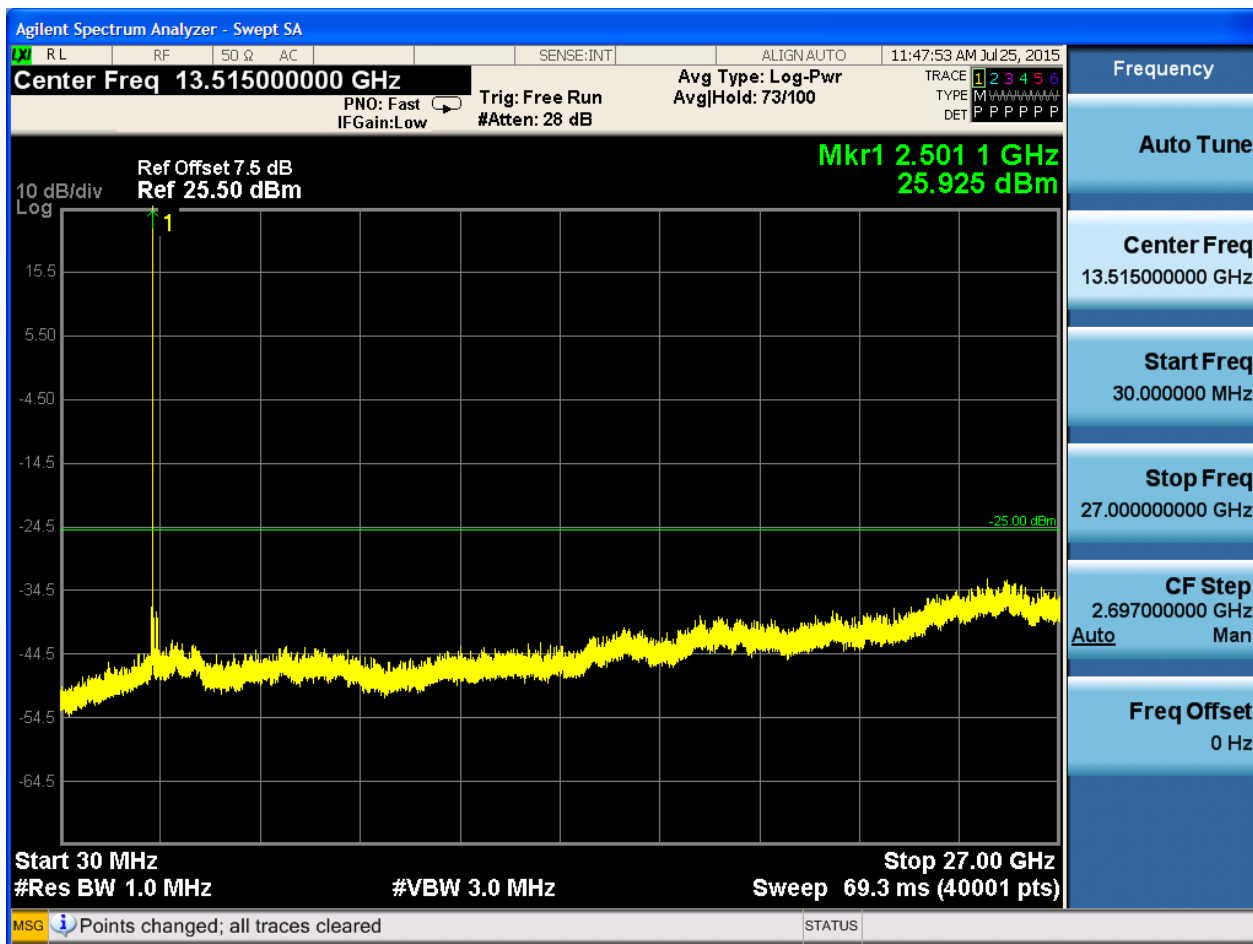
#### 6.1.1.1.4 Test Bandwidth = 20

##### 6.1.1.1.4.1 Test Channel = LCH

##### 6.1.1.1.4.1.1 Test RB = RB1#0

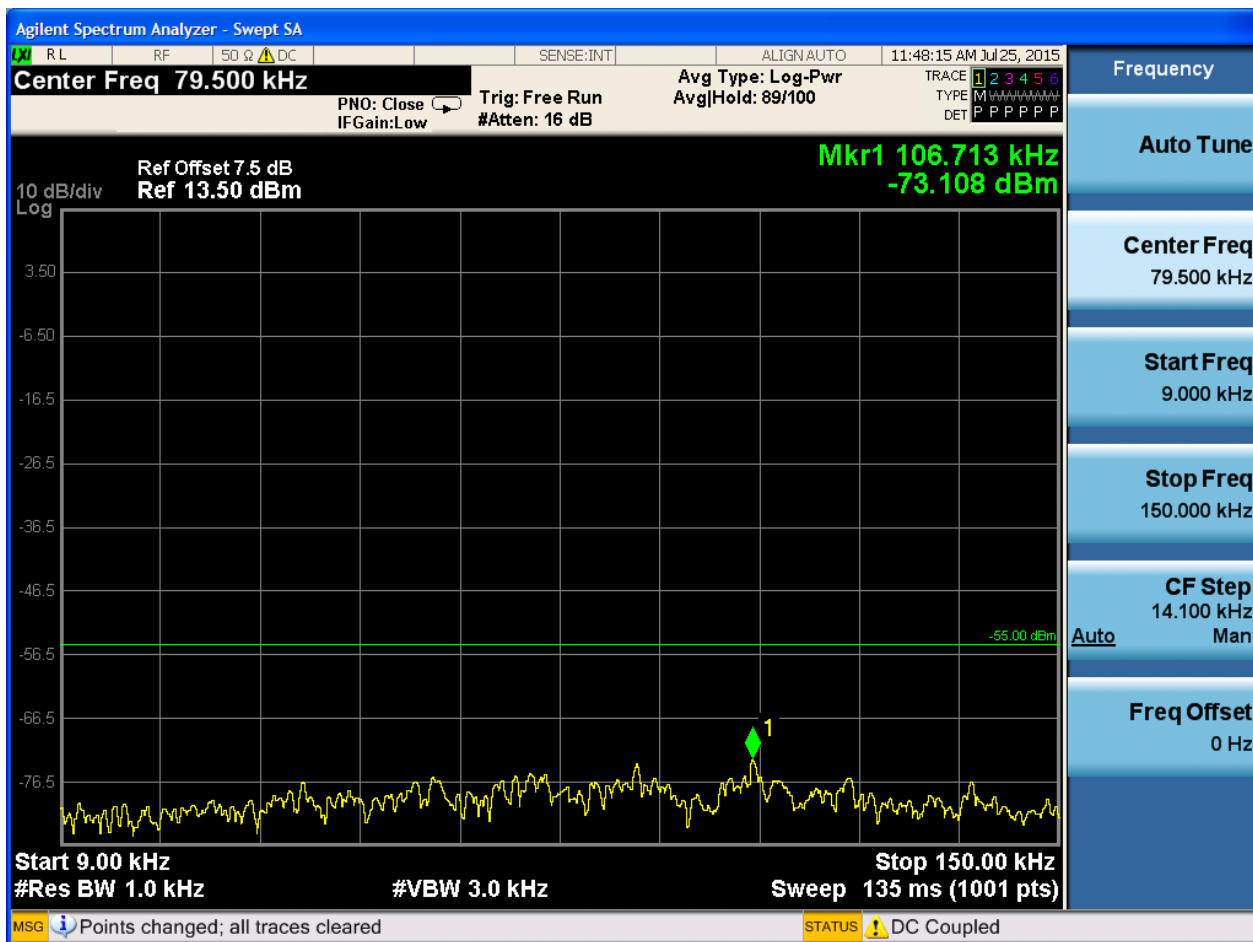






#### 6.1.1.1.4.2 Test Channel = MCH

##### 6.1.1.1.4.2.1 Test RB = RB1#0

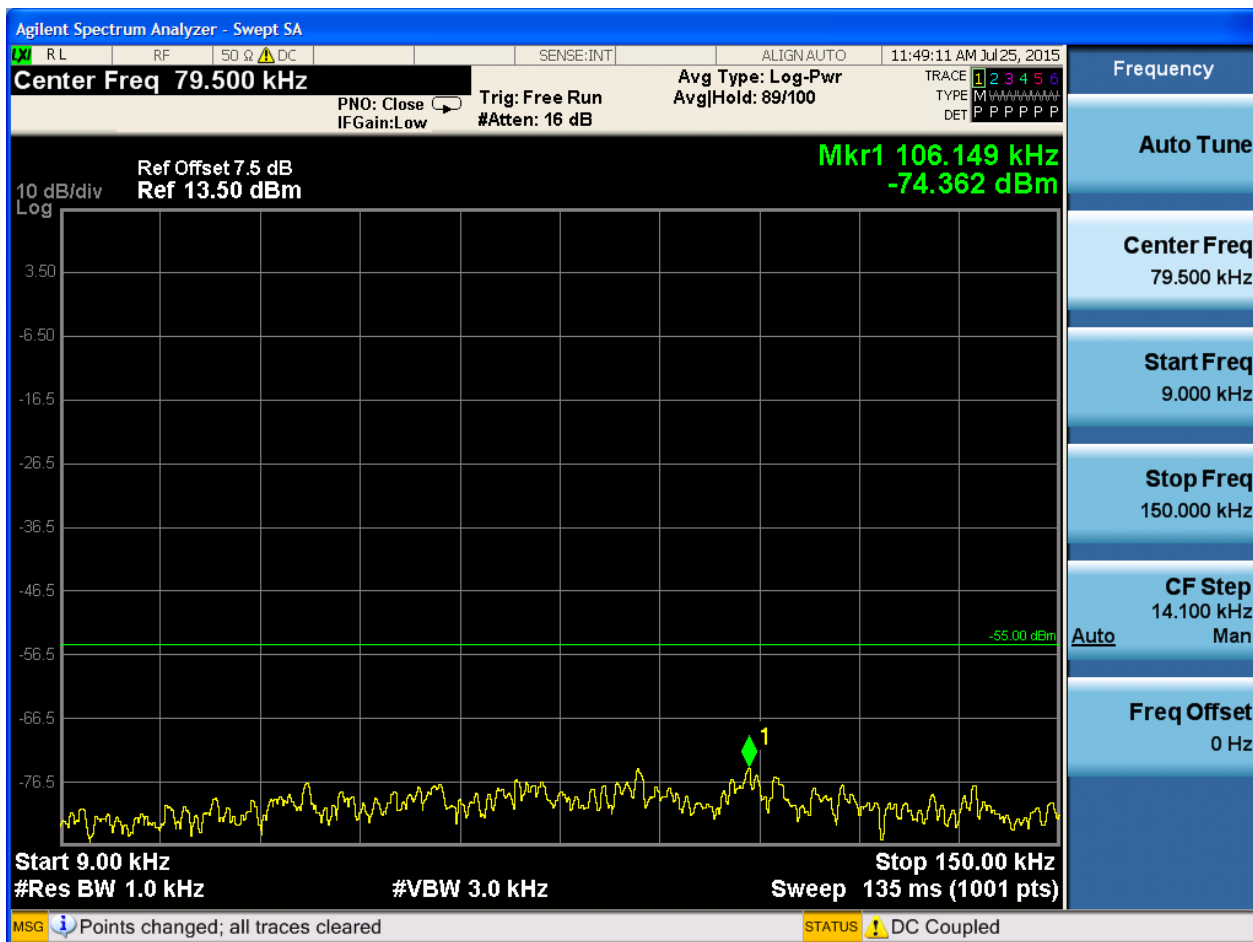


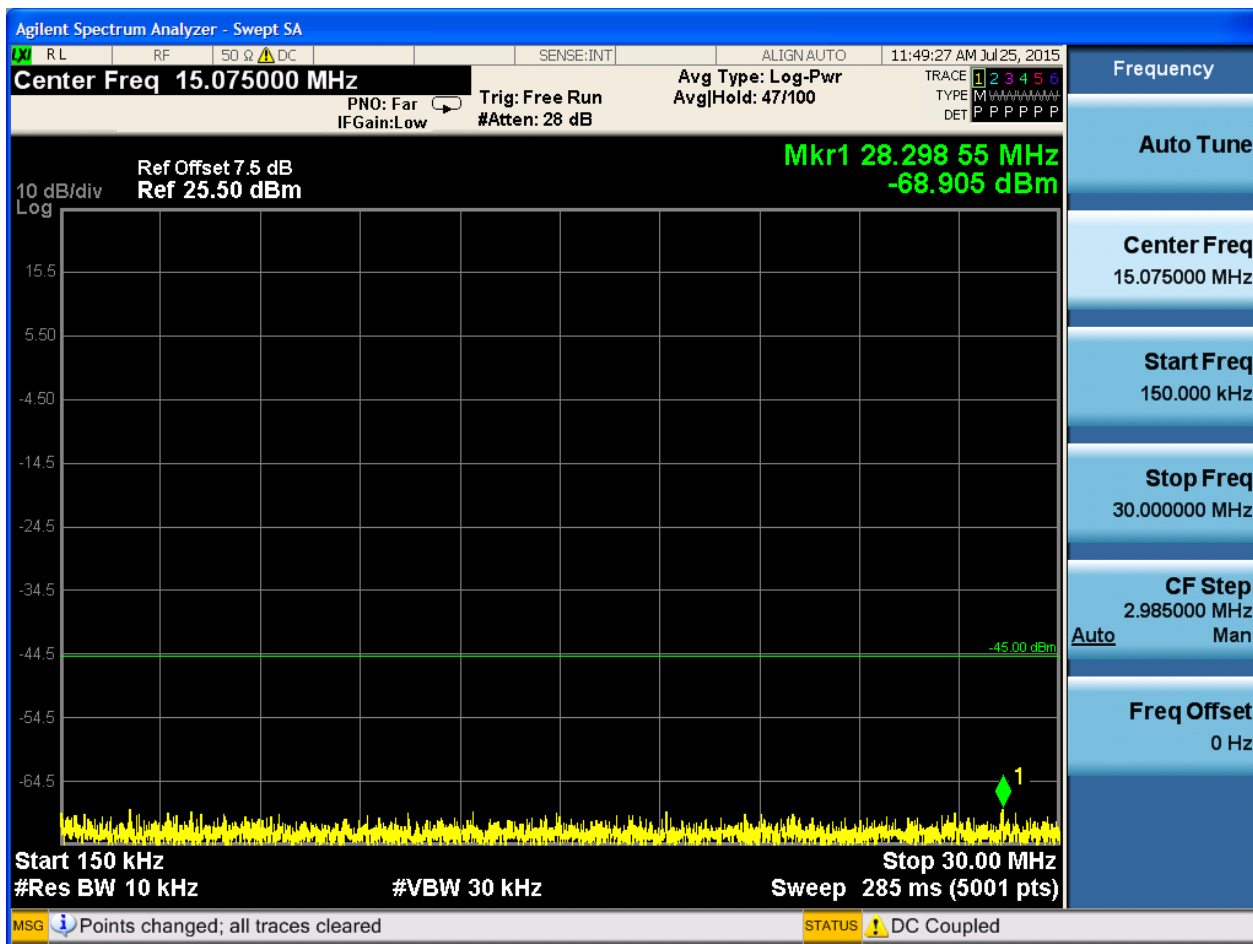




### 6.1.1.1.4.3 Test Channel = HCH

#### 6.1.1.1.4.3.1 Test RB = RB1#0









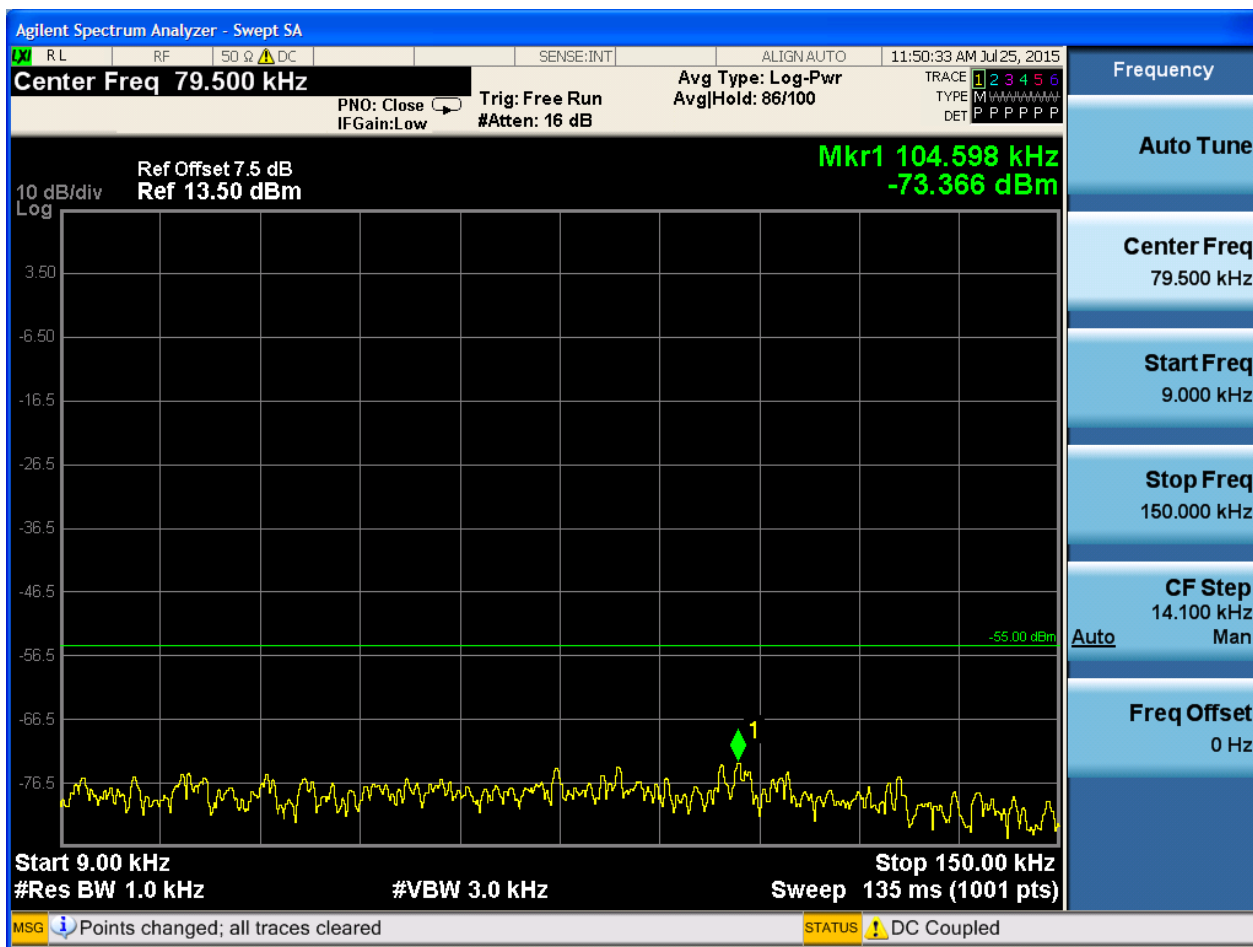


## 6.1.1.2 Test Mode = LTE/TM2

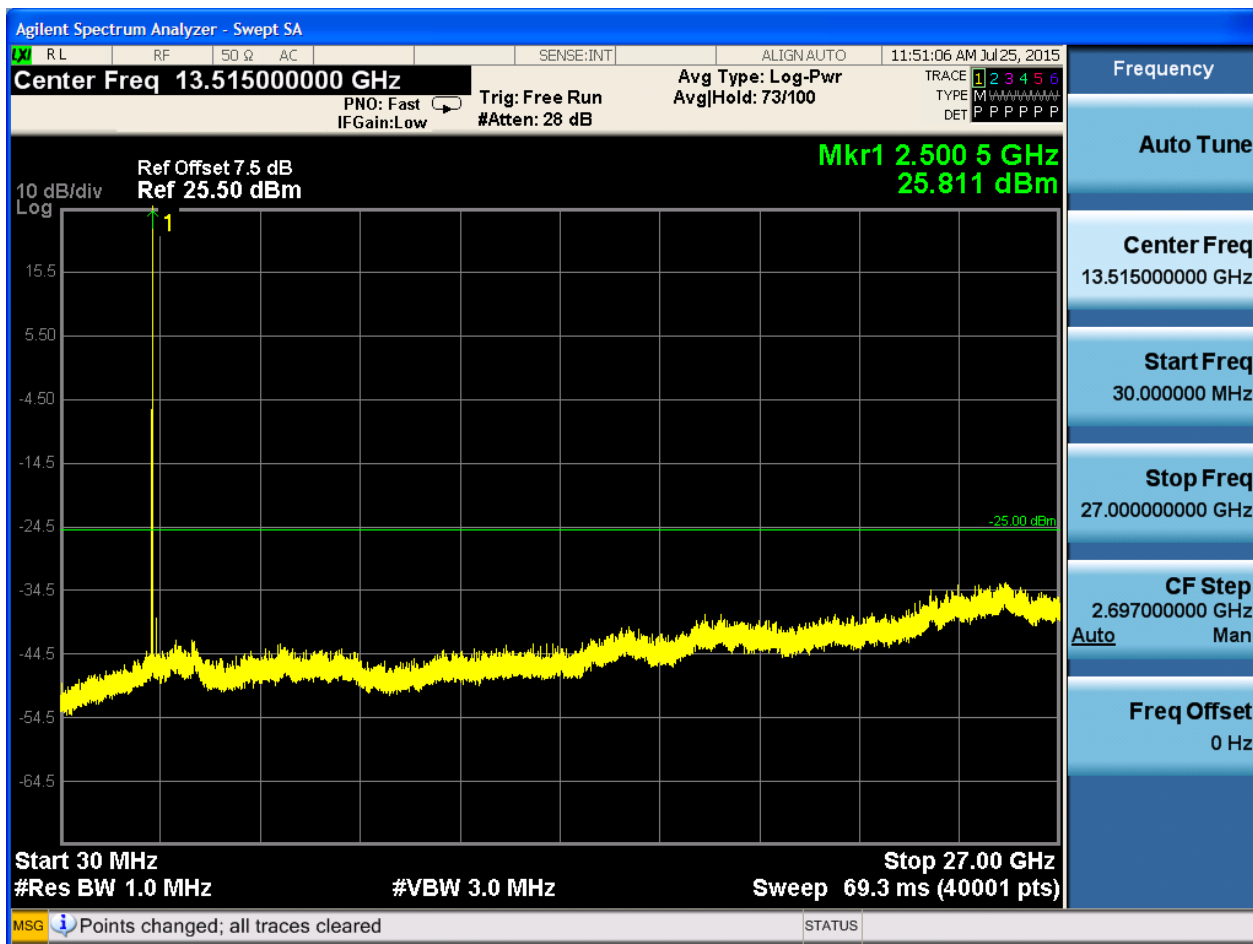
## 6.1.1.2.1 Test Bandwidth = 5

## 6.1.1.2.1.1 Test Channel = LCH

## 6.1.1.2.1.1.1 Test RB = RB1#0

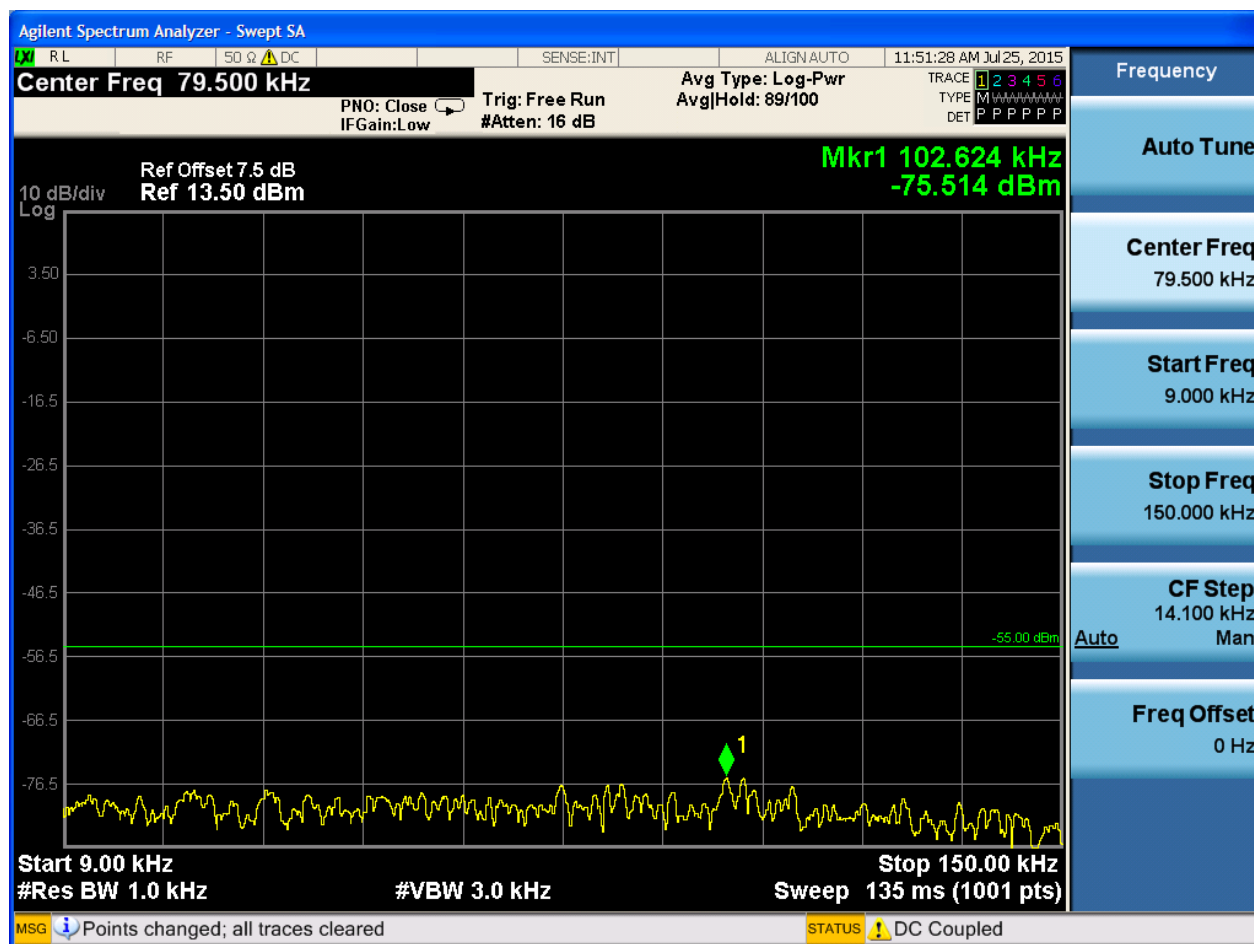


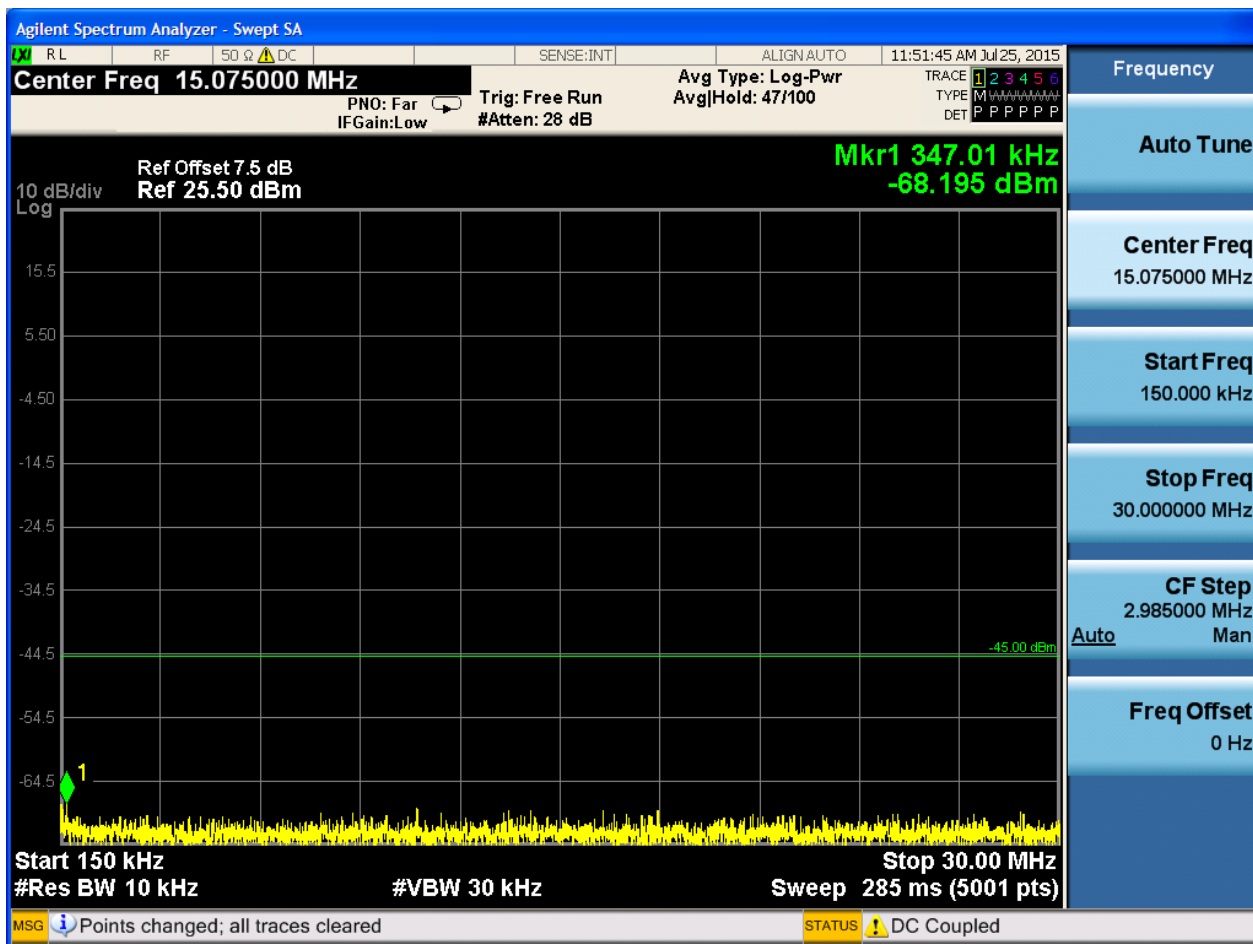


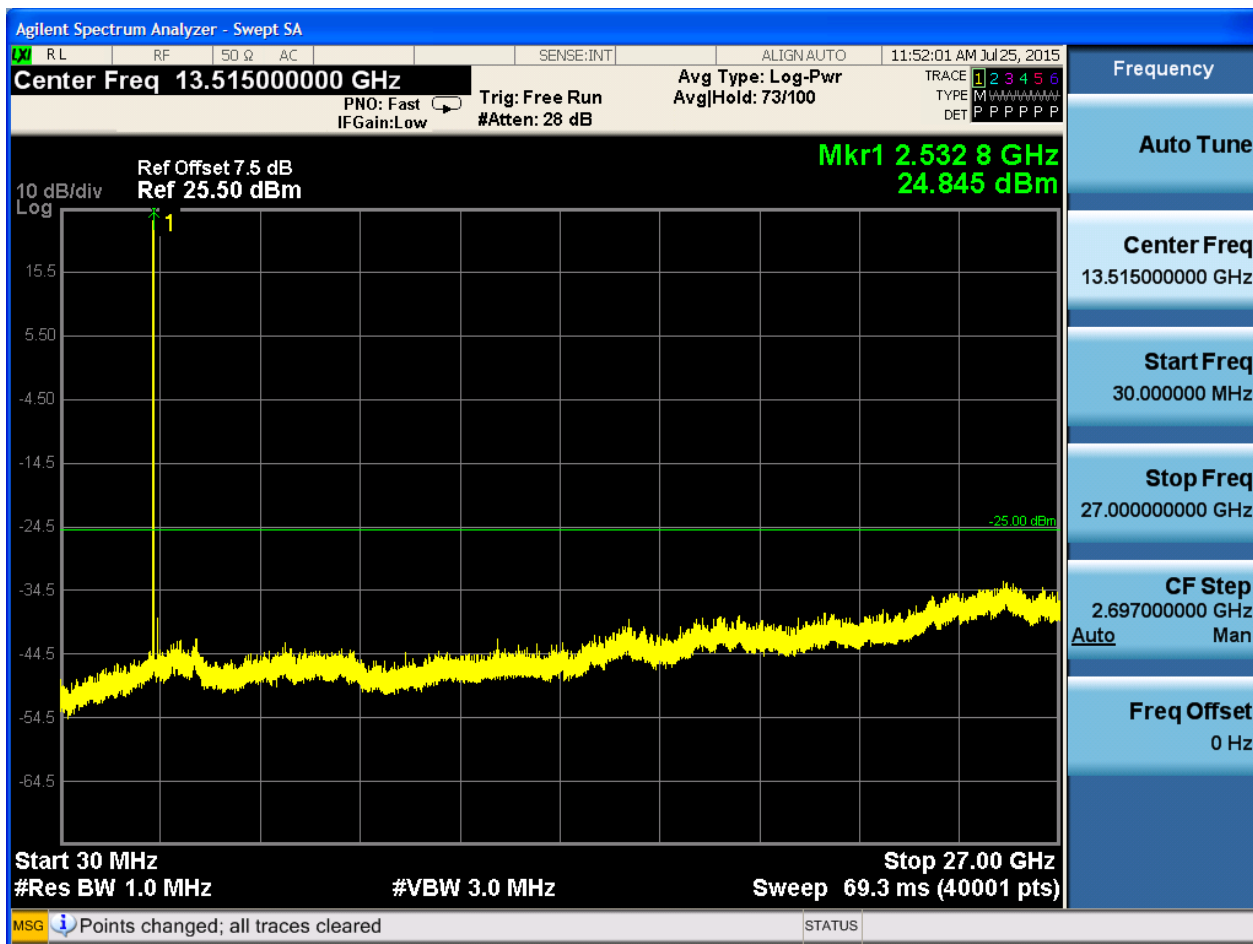


### 6.1.1.2.1.2 Test Channel = MCH

#### 6.1.1.2.1.2.1 Test RB = RB1#0

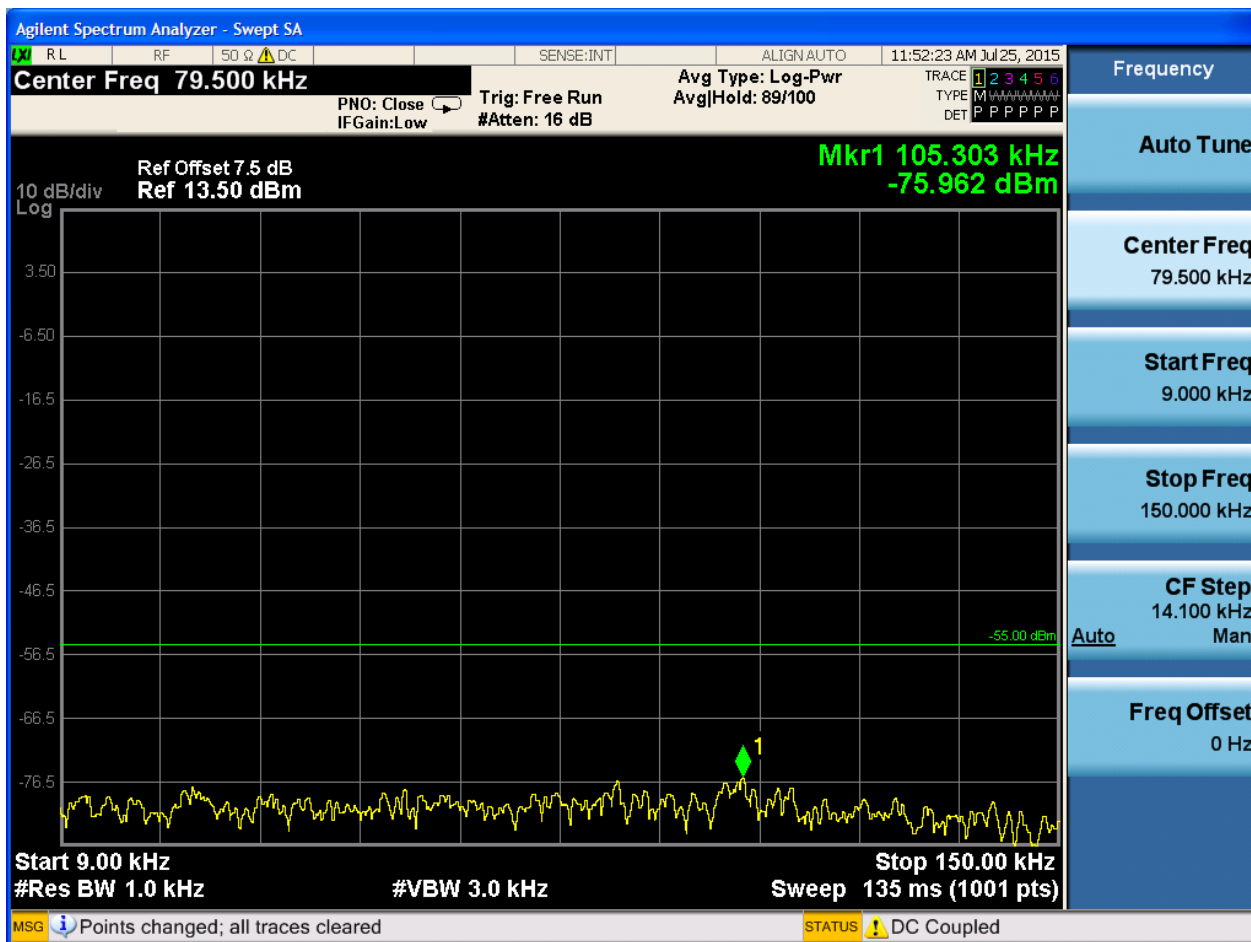




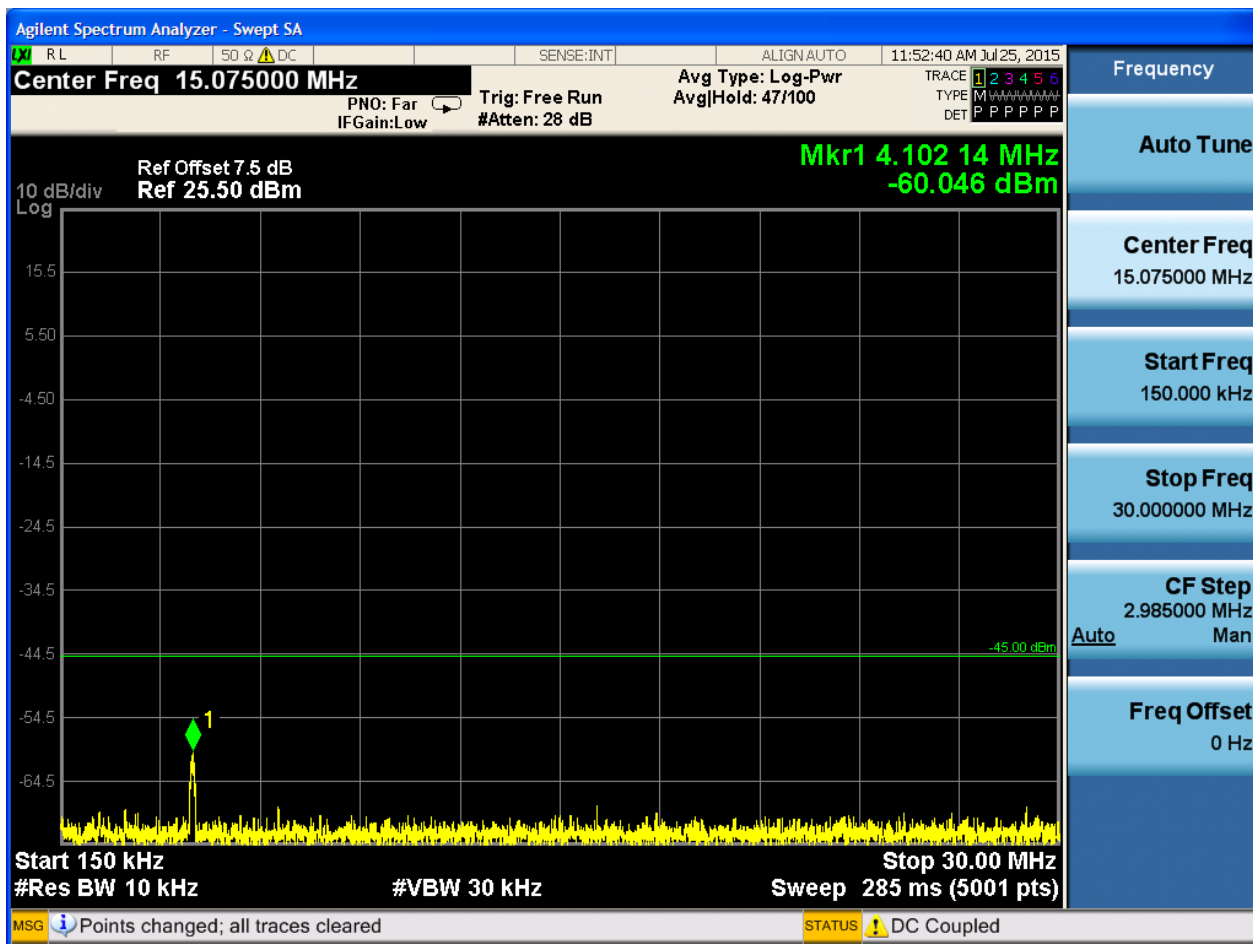


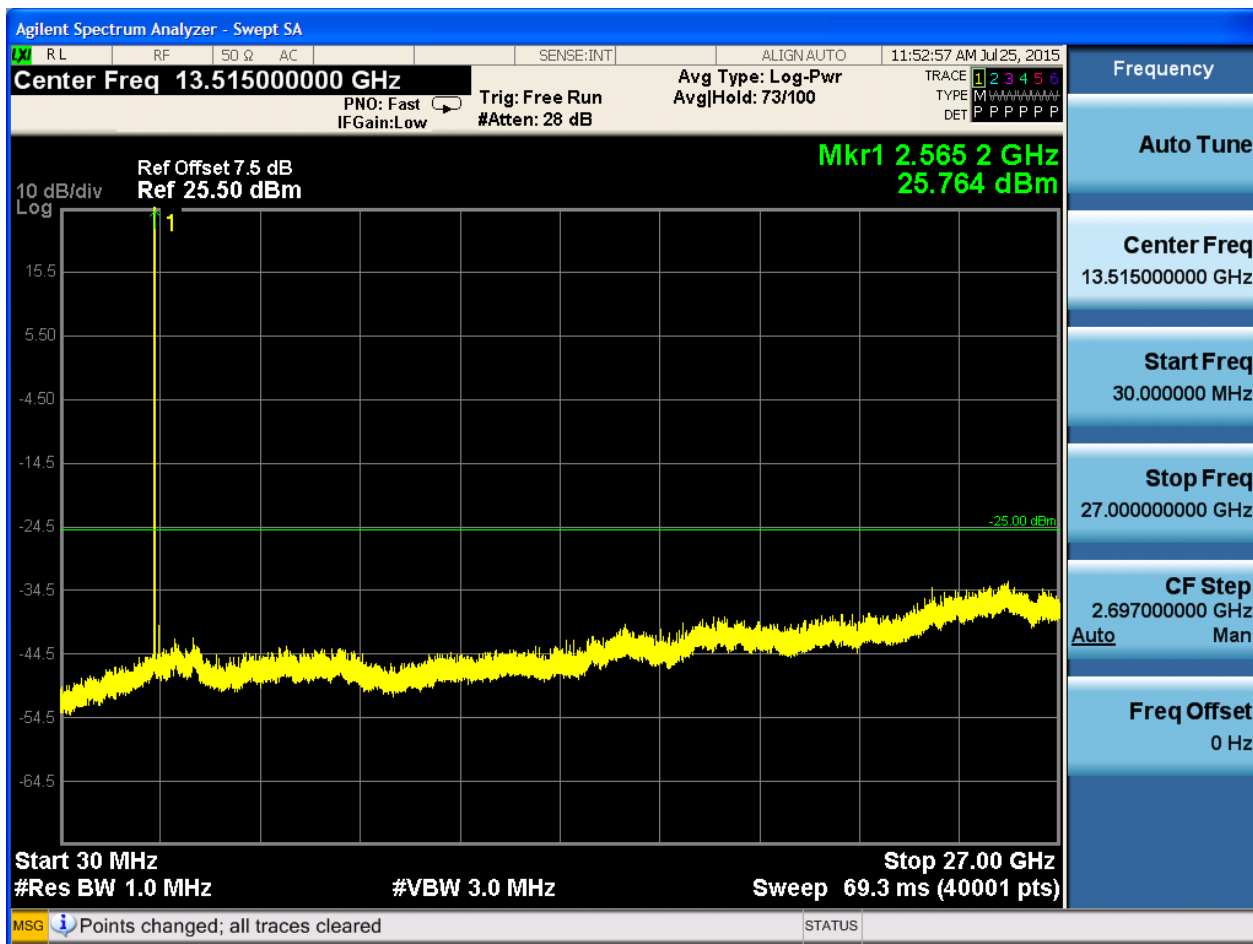
### 6.1.1.2.1.3 Test Channel = HCH

#### 6.1.1.2.1.3.1 Test RB = RB1#0





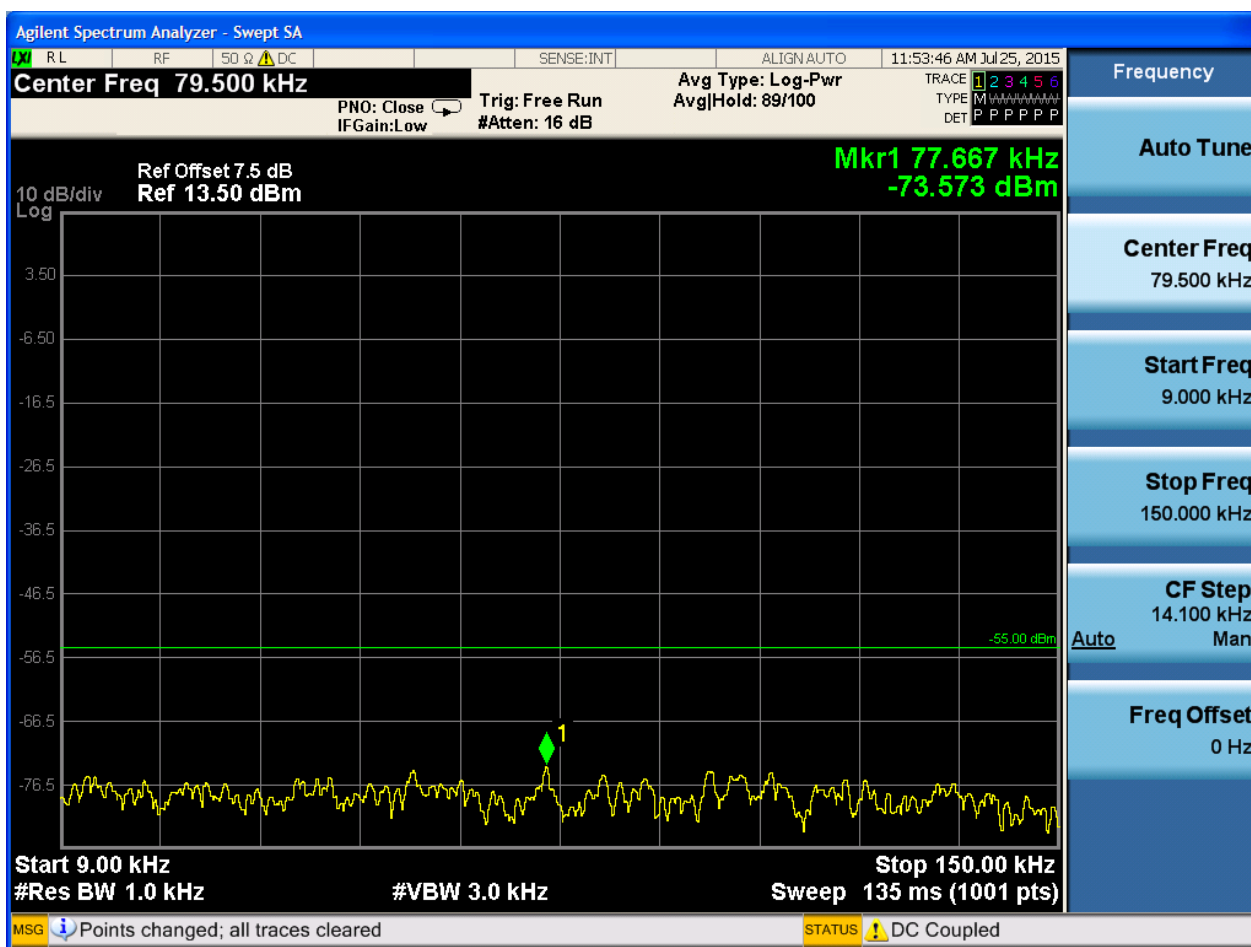




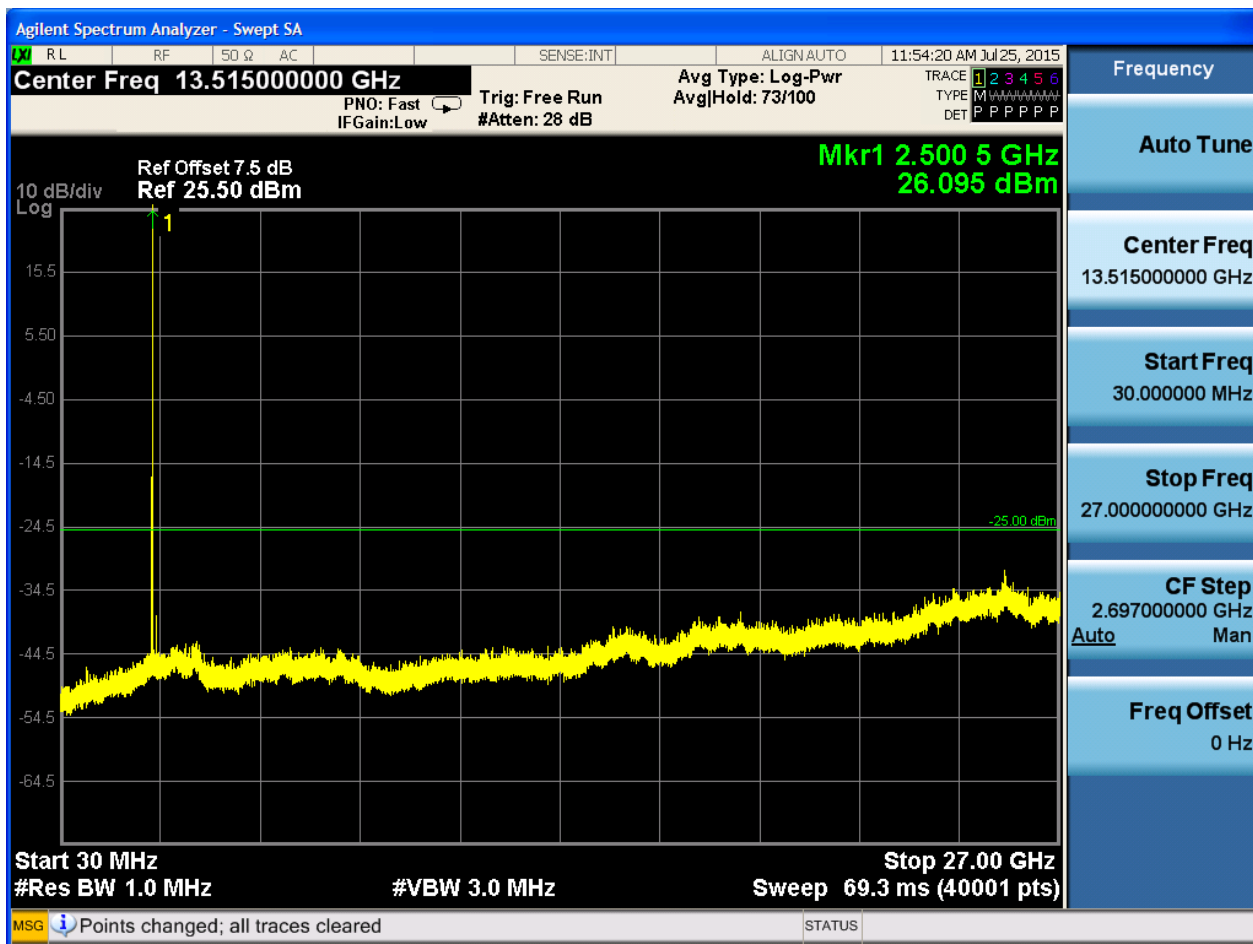
### 6.1.1.2.2 Test Bandwidth = 10

#### 6.1.1.2.2.1 Test Channel = LCH

##### 6.1.1.2.2.1.1 Test RB = RB1#0

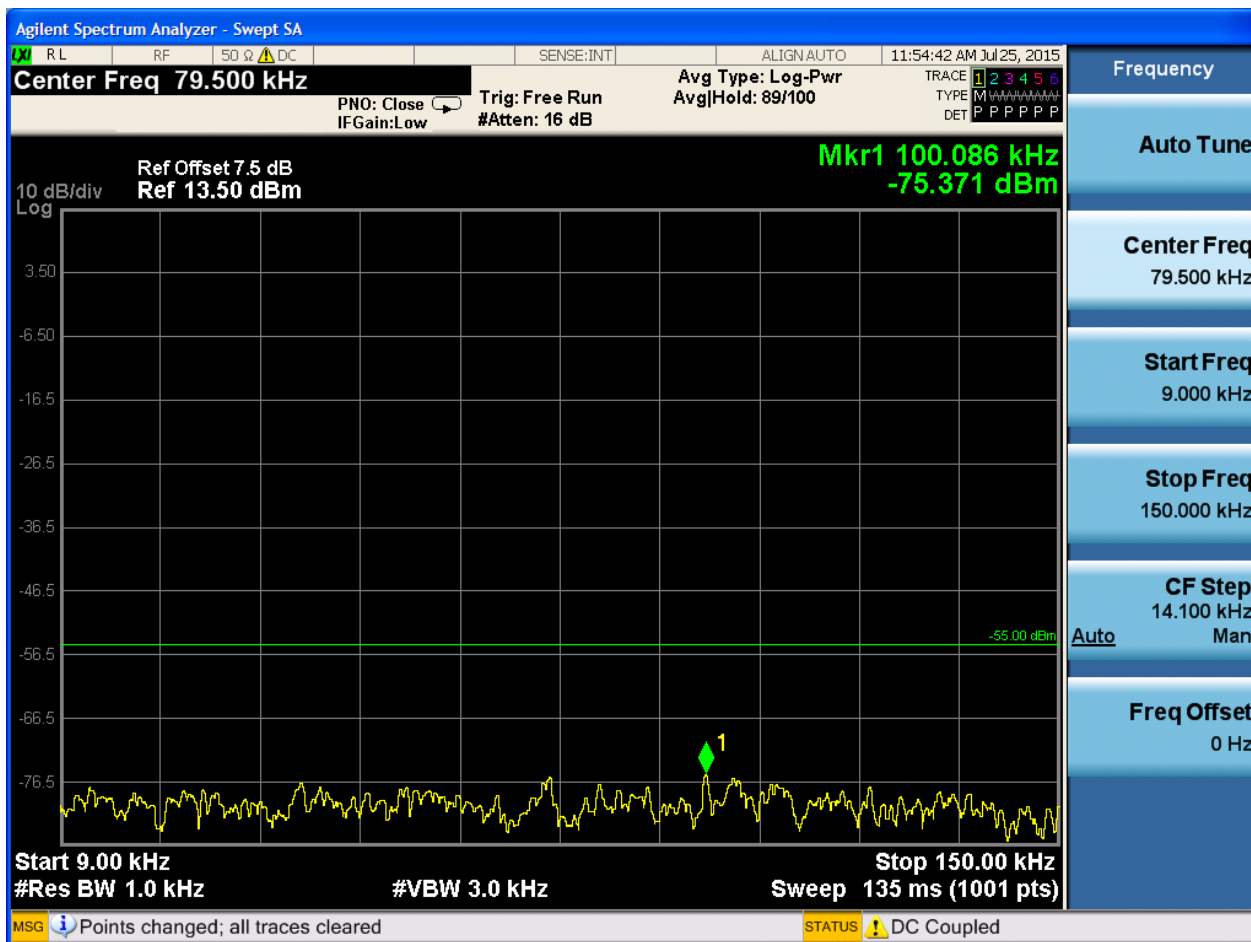


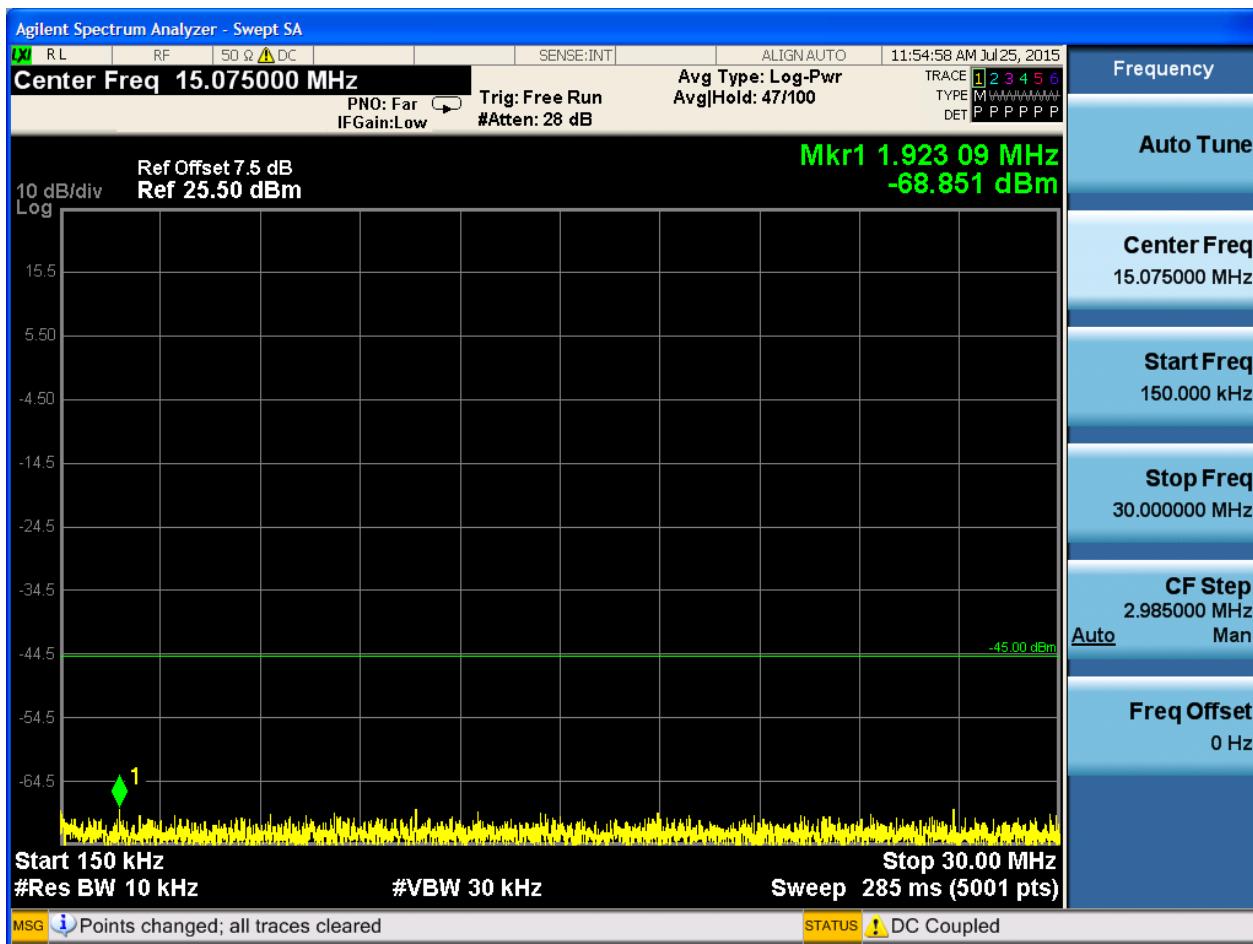


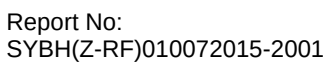


### 6.1.1.2.2.2 Test Channel = MCH

#### 6.1.1.2.2.2.1 Test RB = RB1#0



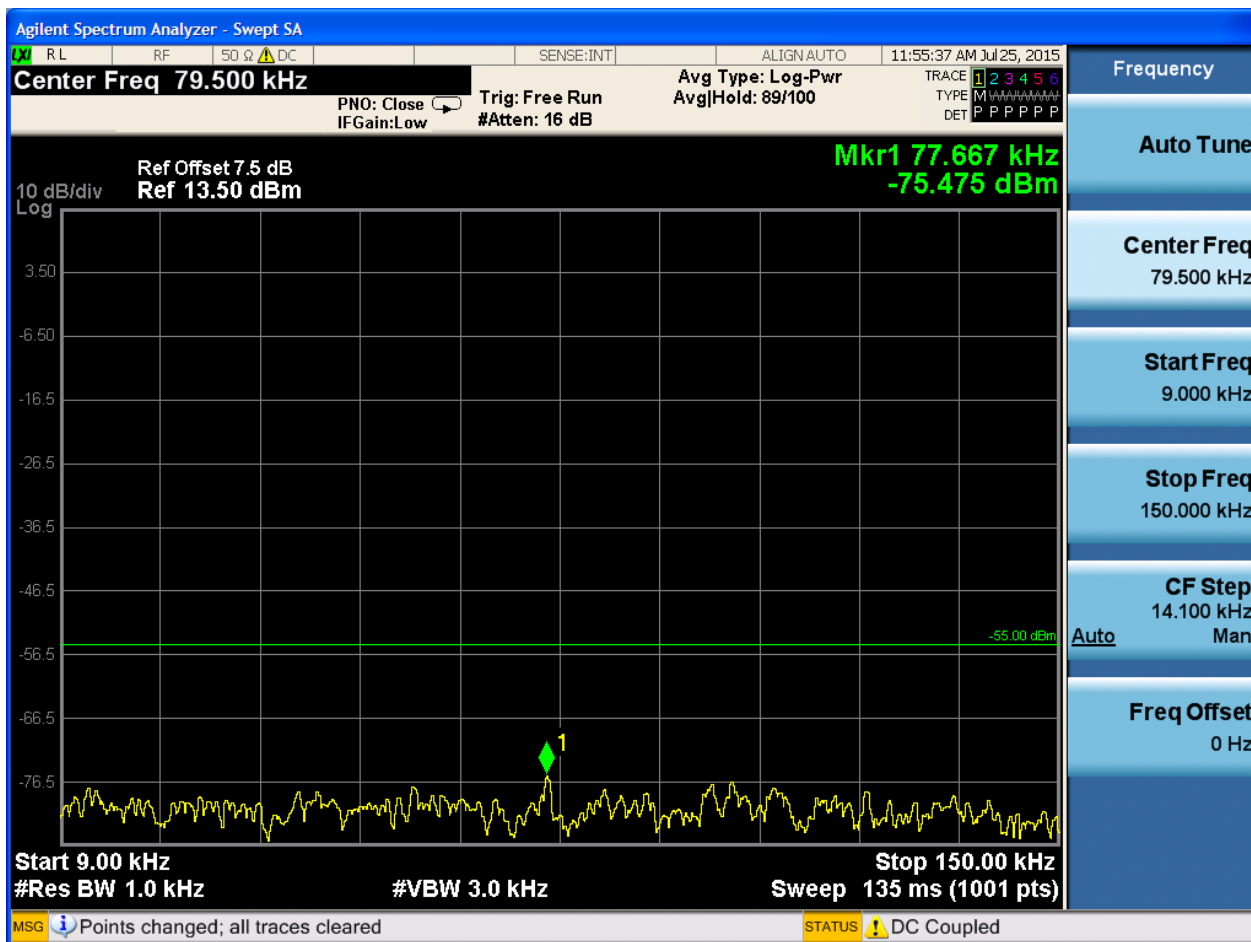




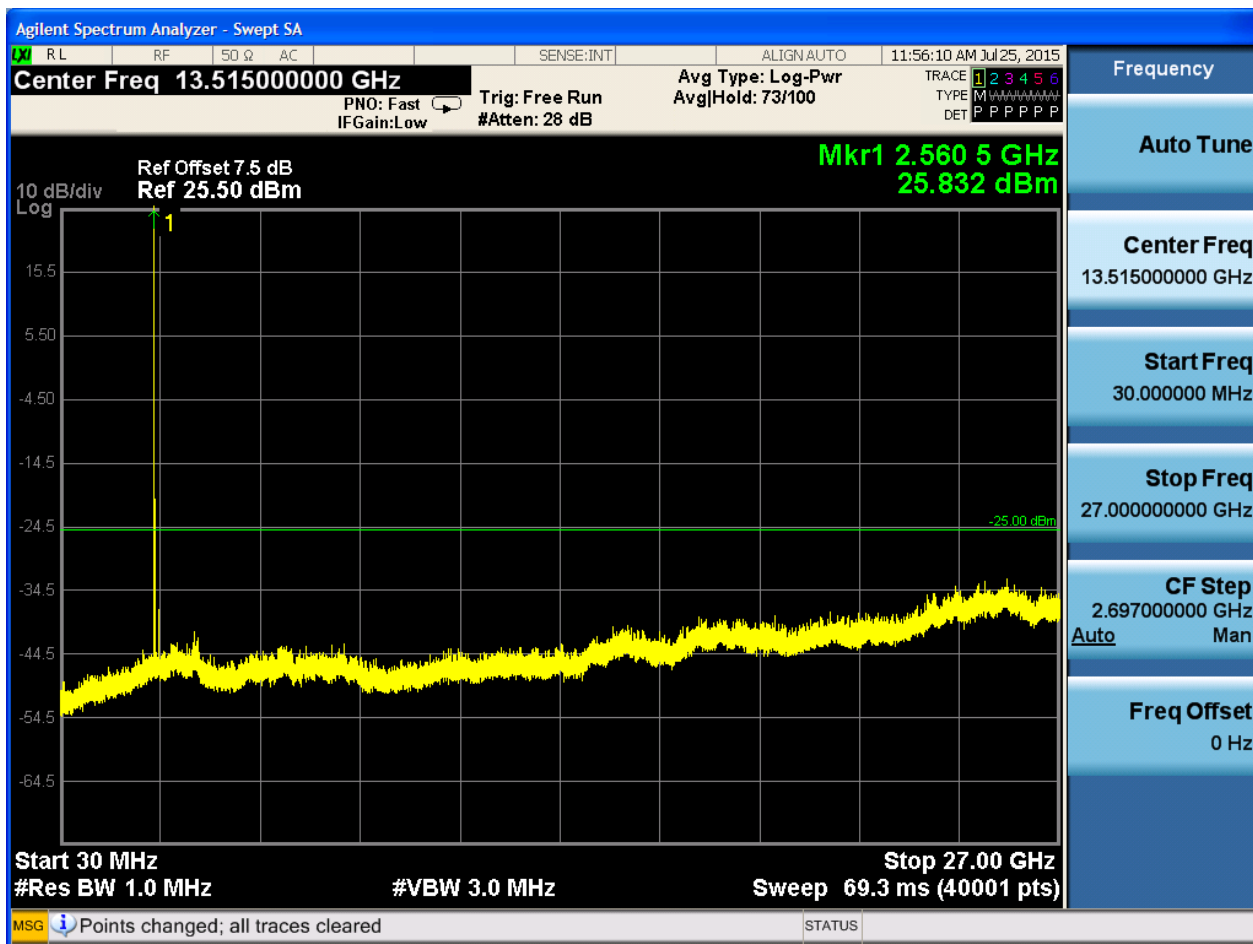


### 6.1.1.2.2.3 Test Channel = HCH

#### 6.1.1.2.2.3.1 Test RB = RB1#0



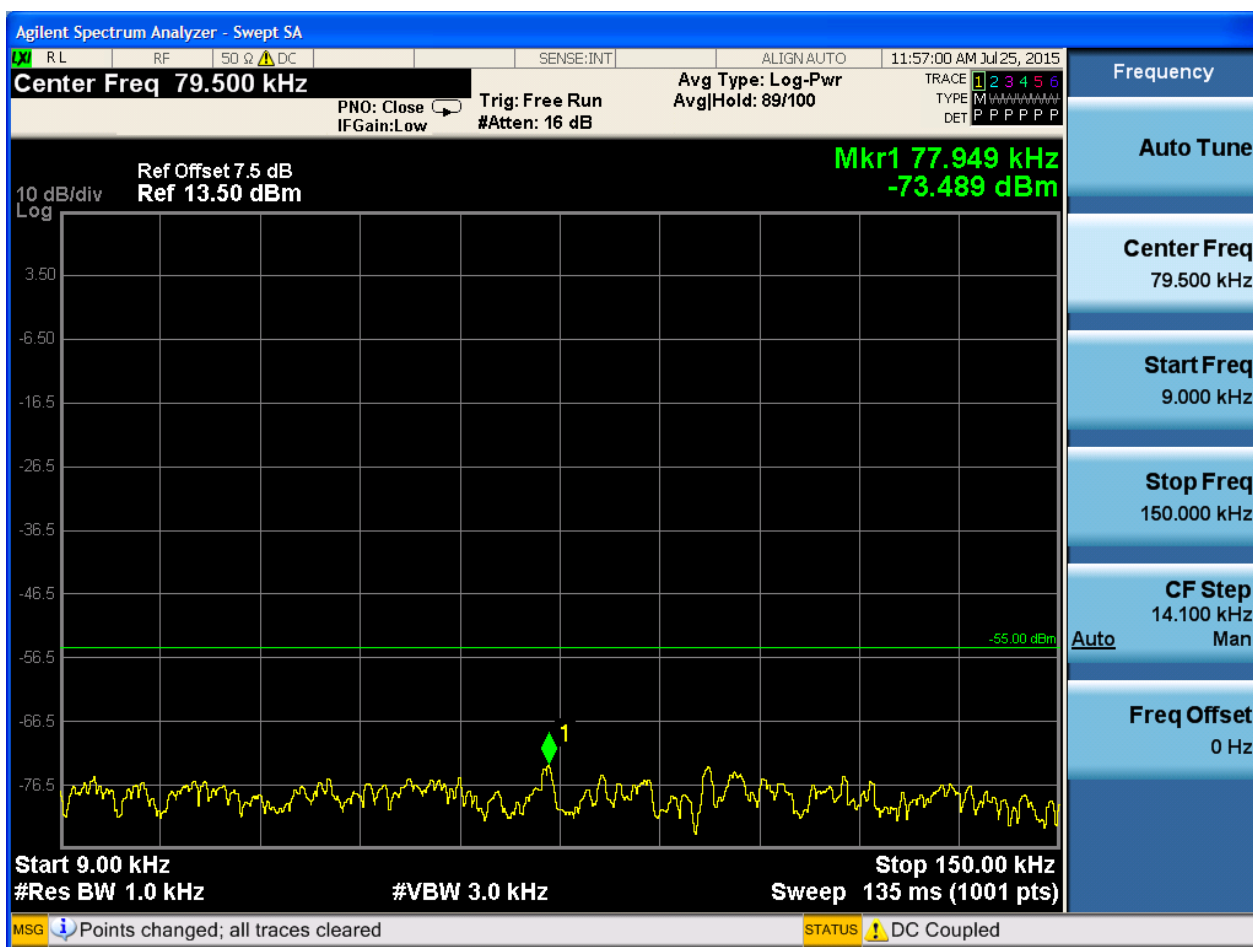


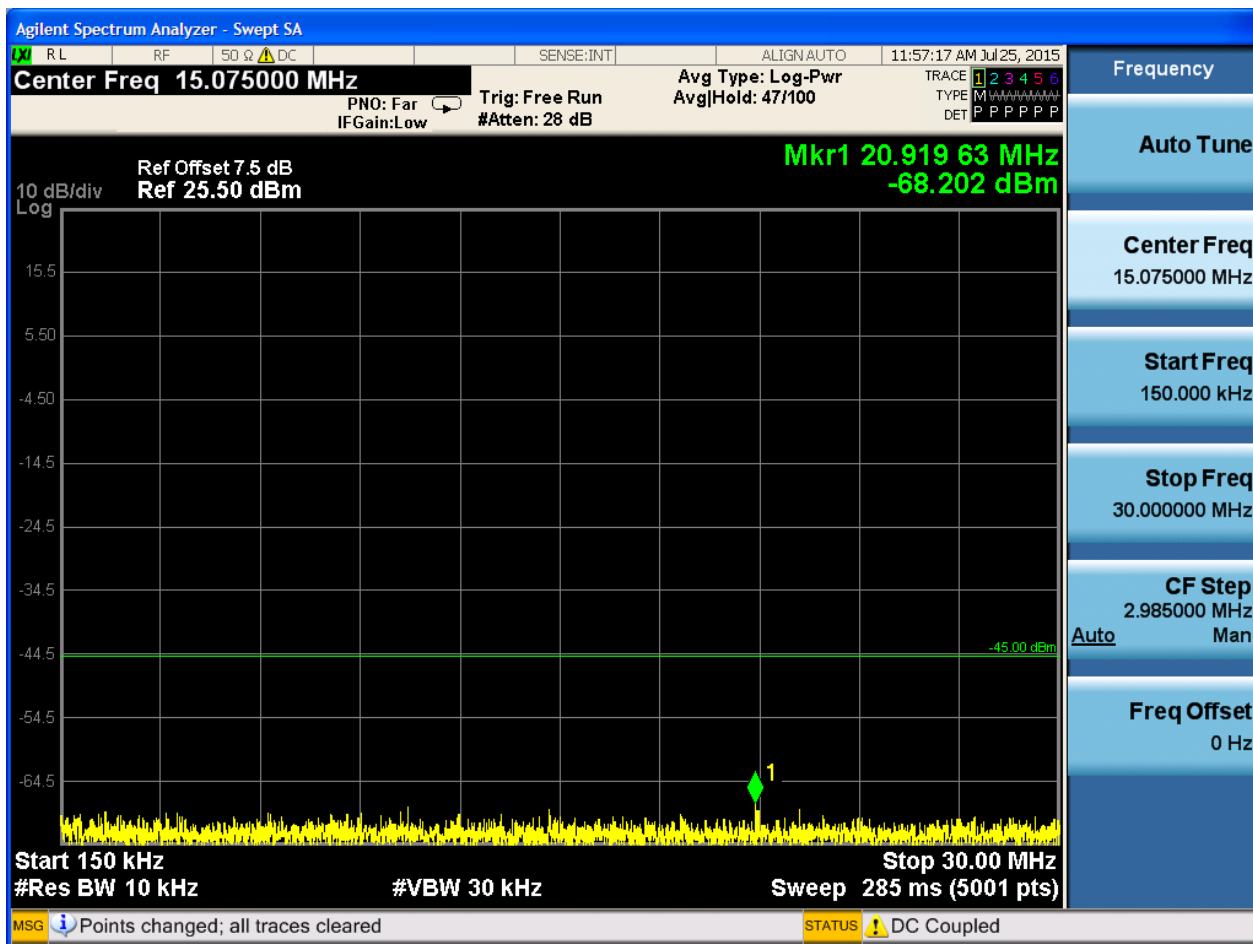


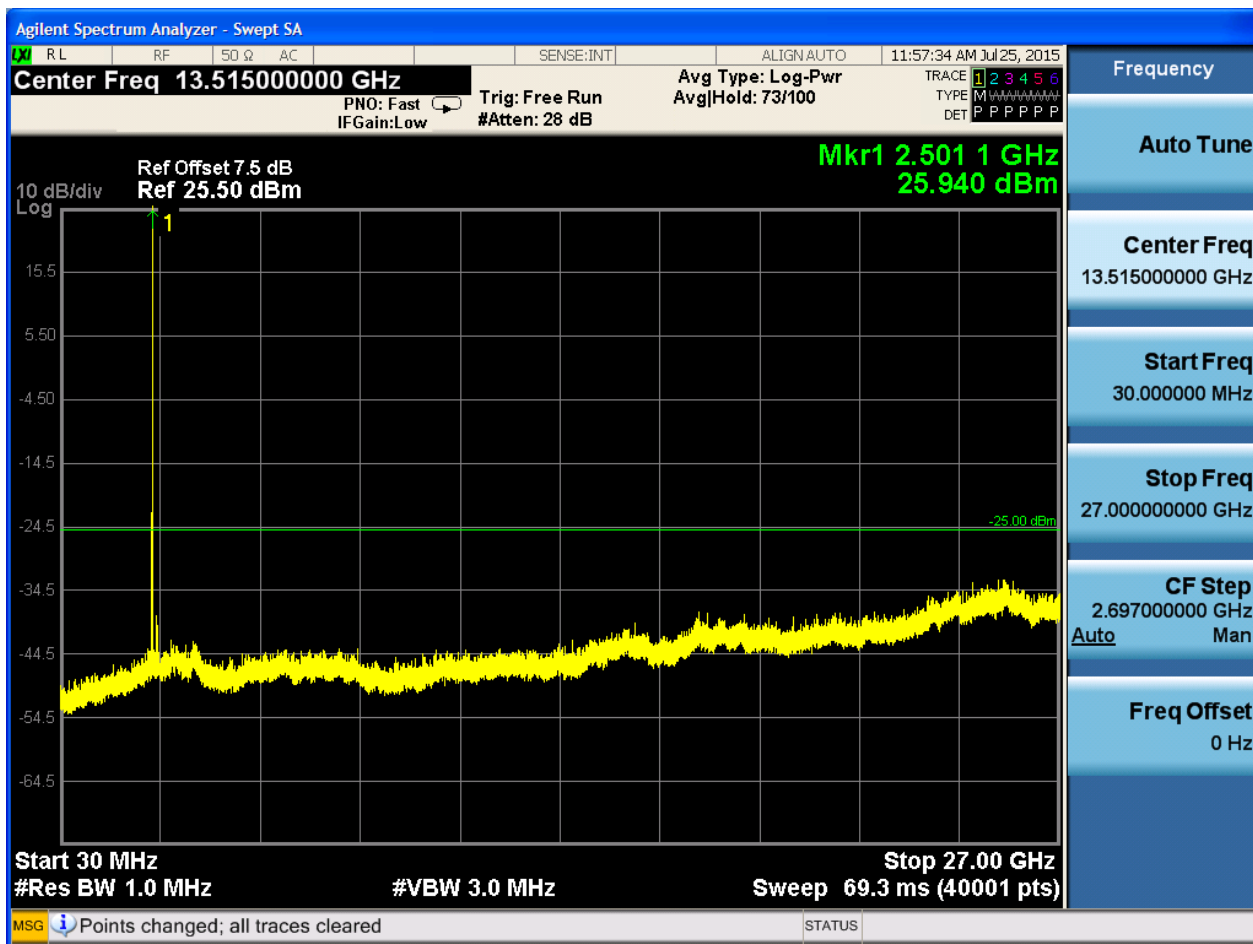
### 6.1.1.2.3 Test Bandwidth = 15

#### 6.1.1.2.3.1 Test Channel = LCH

##### 6.1.1.2.3.1.1 Test RB = RB1#0

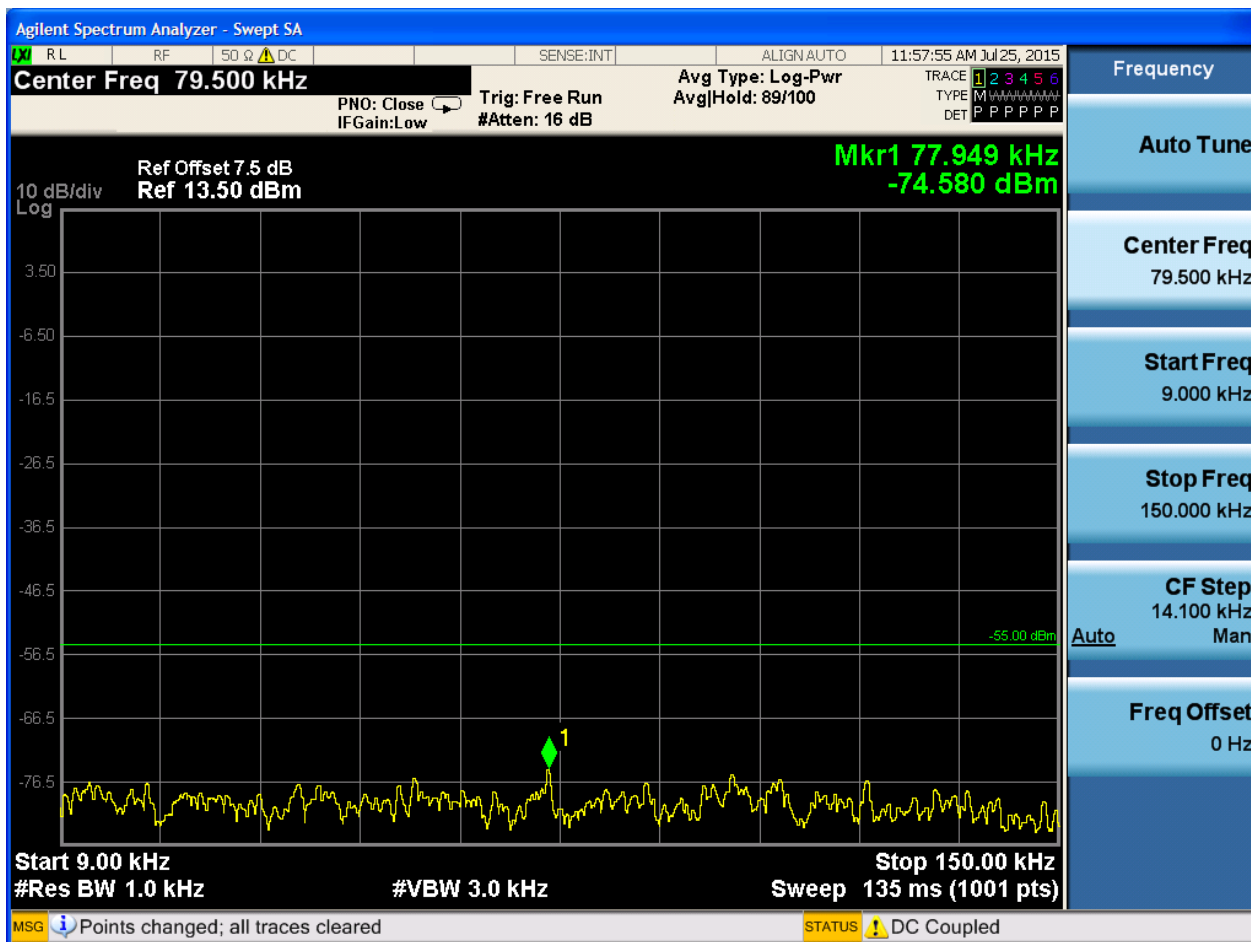


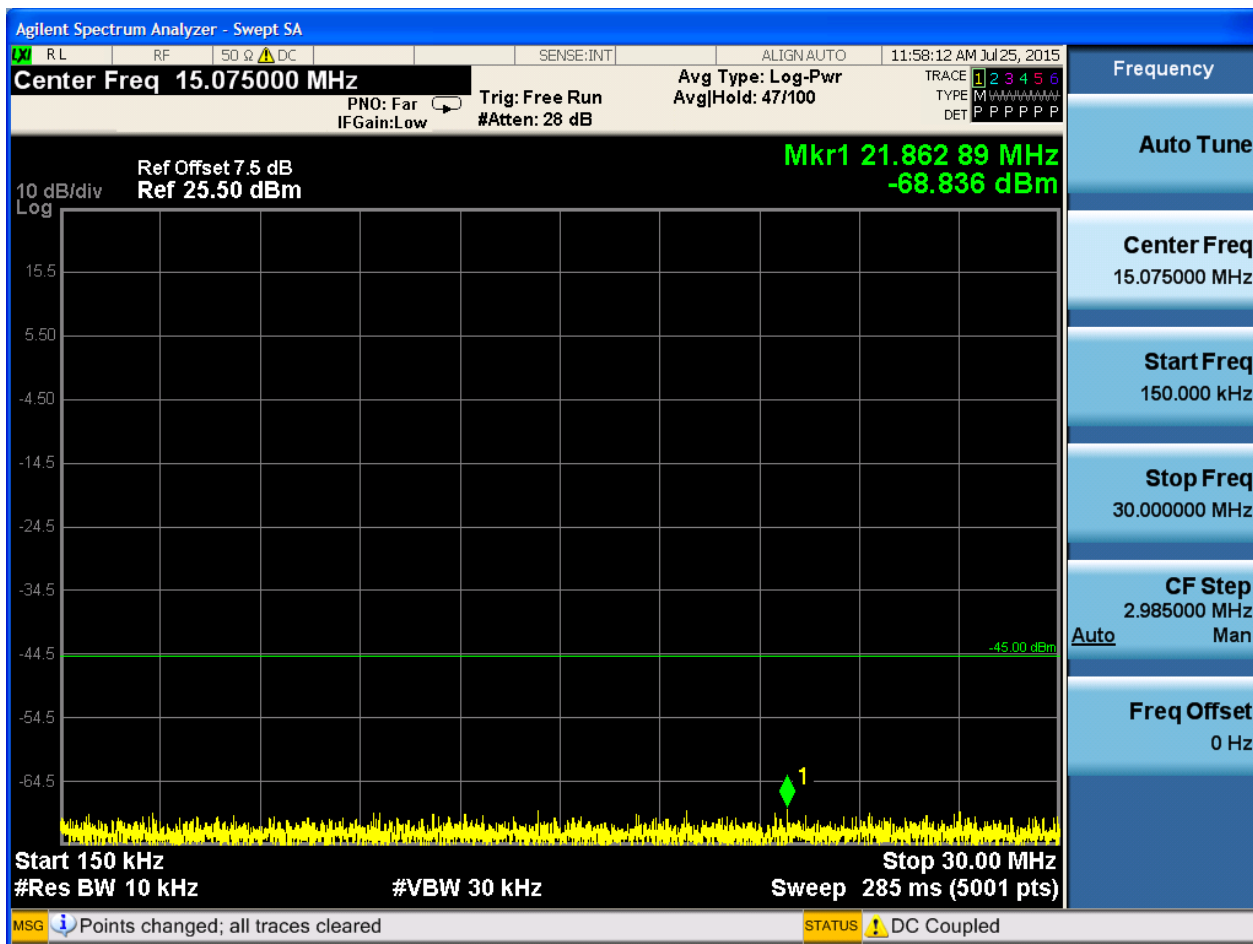




### 6.1.1.2.3.2 Test Channel = MCH

#### 6.1.1.2.3.2.1 Test RB = RB1#0



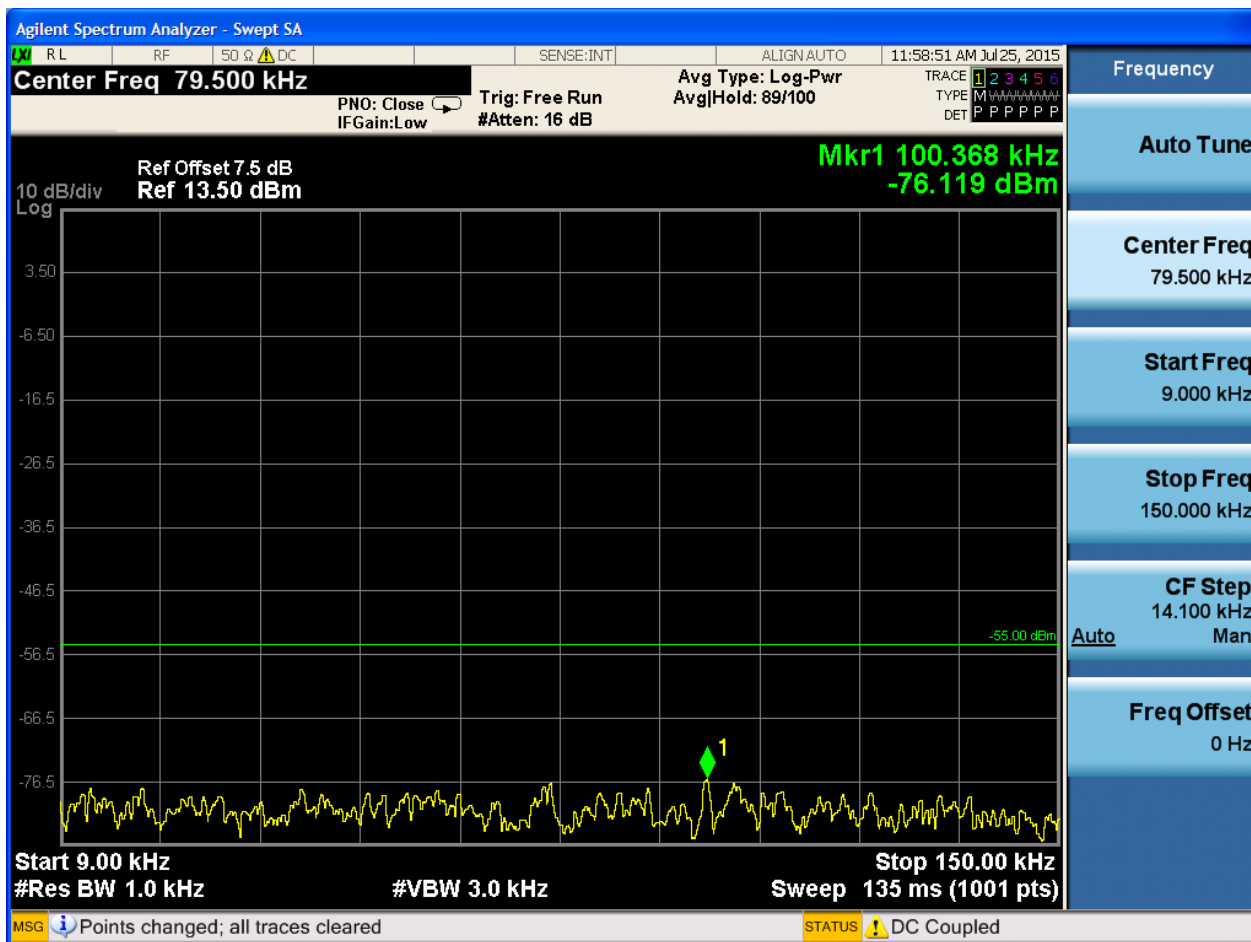




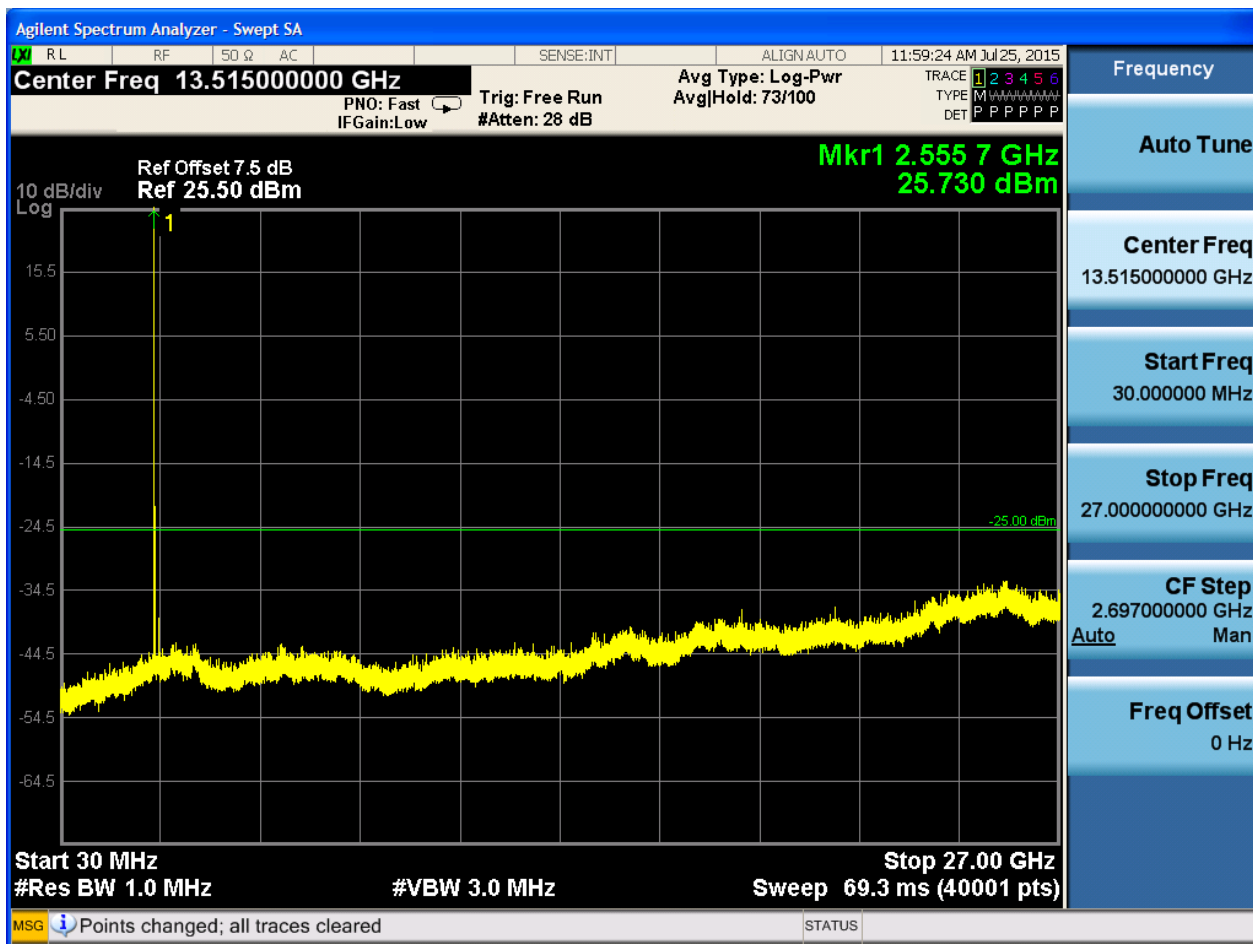


### 6.1.1.2.3.3 Test Channel = HCH

#### 6.1.1.2.3.3.1 Test RB = RB1#0



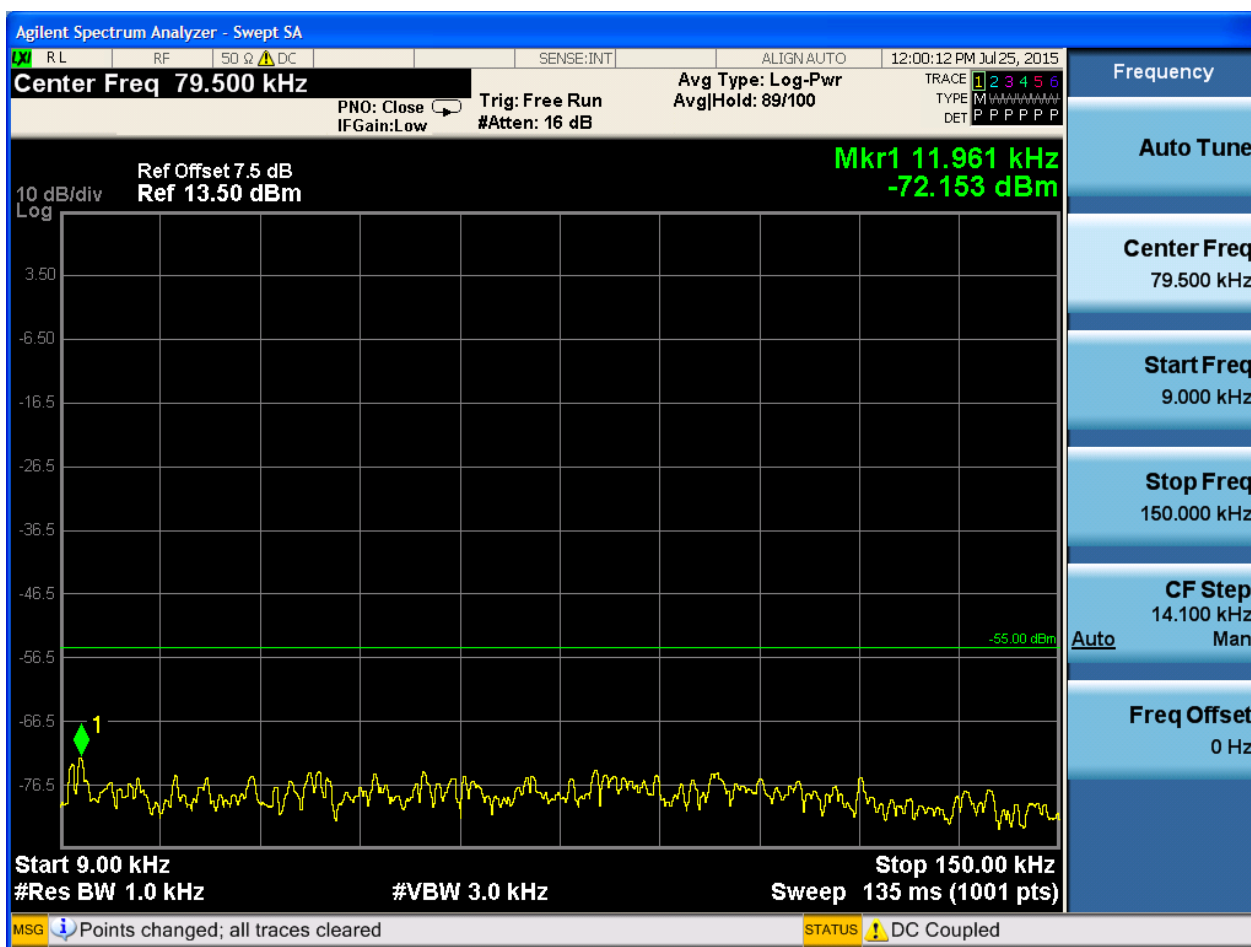


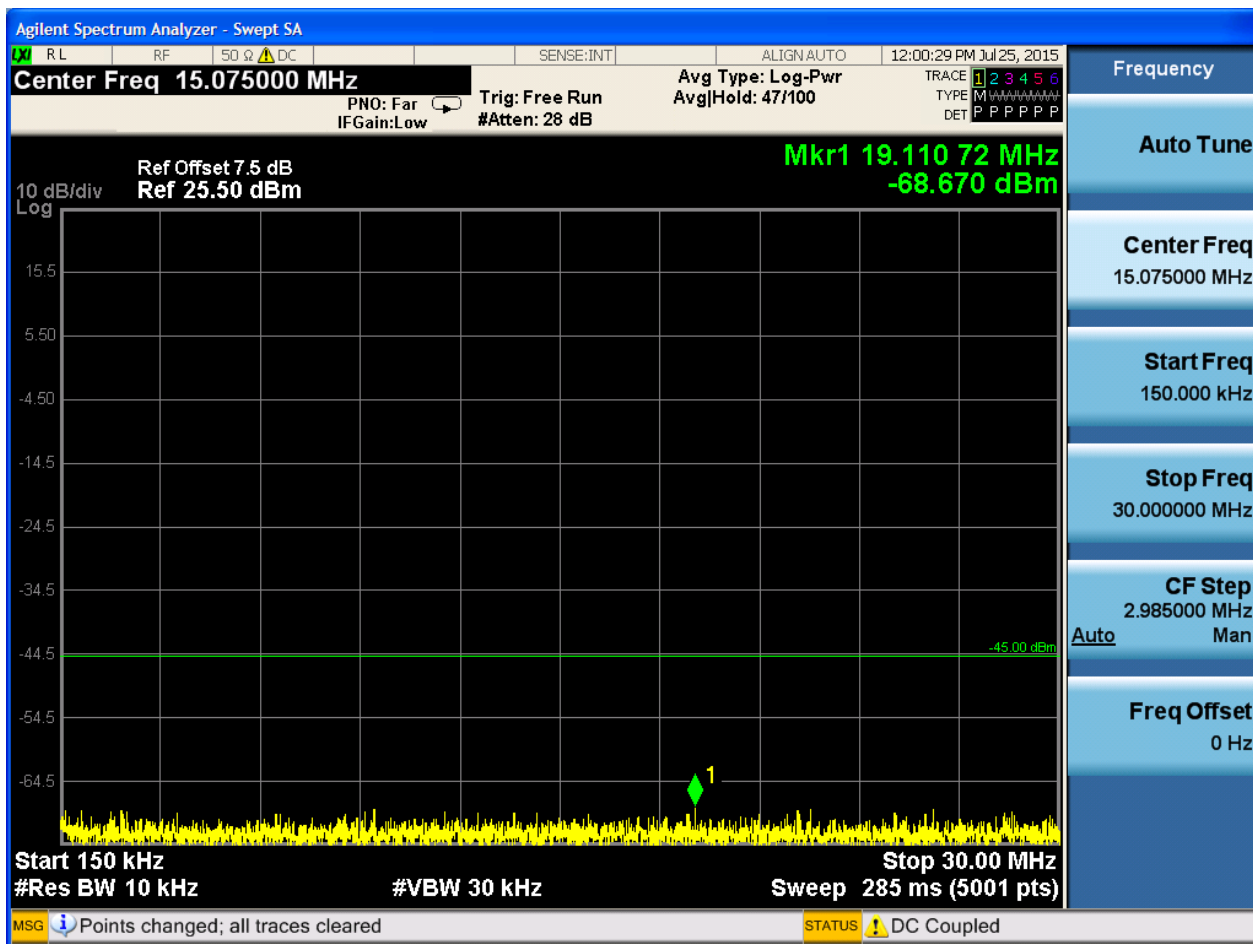


#### 6.1.1.2.4 Test Bandwidth = 20

##### 6.1.1.2.4.1 Test Channel = LCH

##### 6.1.1.2.4.1.1 Test RB = RB1#0

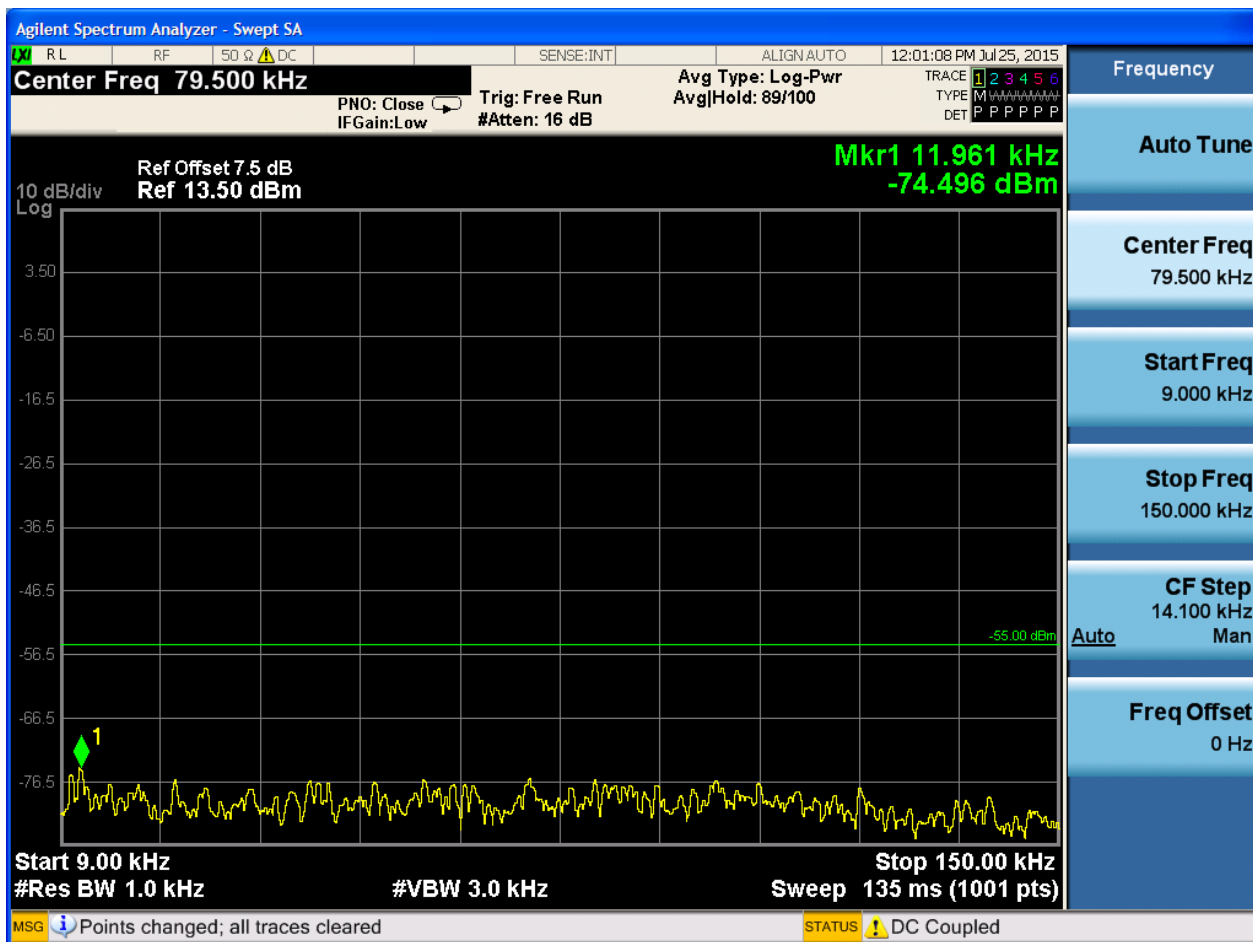






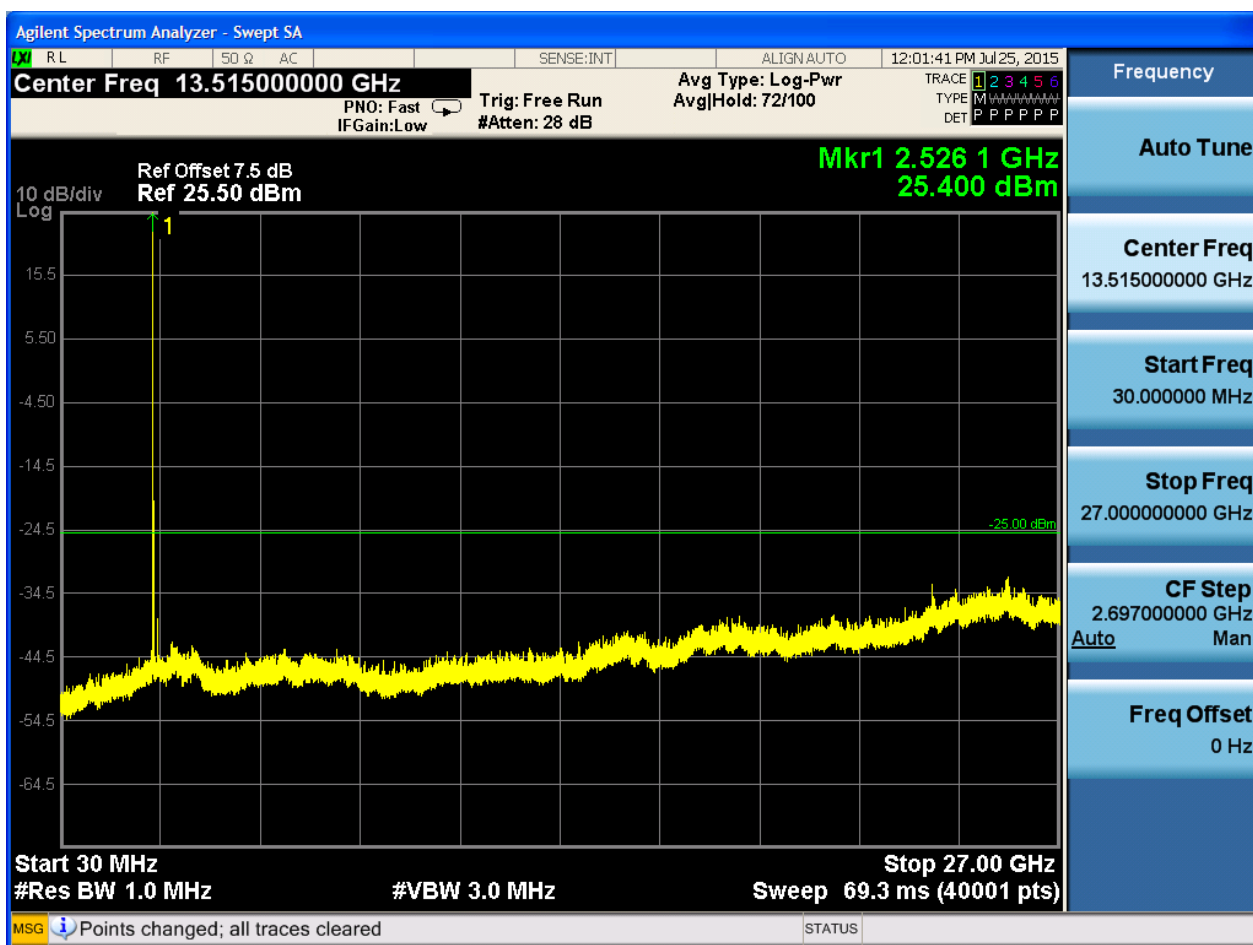
#### 6.1.1.2.4.2 Test Channel = MCH

##### 6.1.1.2.4.2.1 Test RB = RB1#0



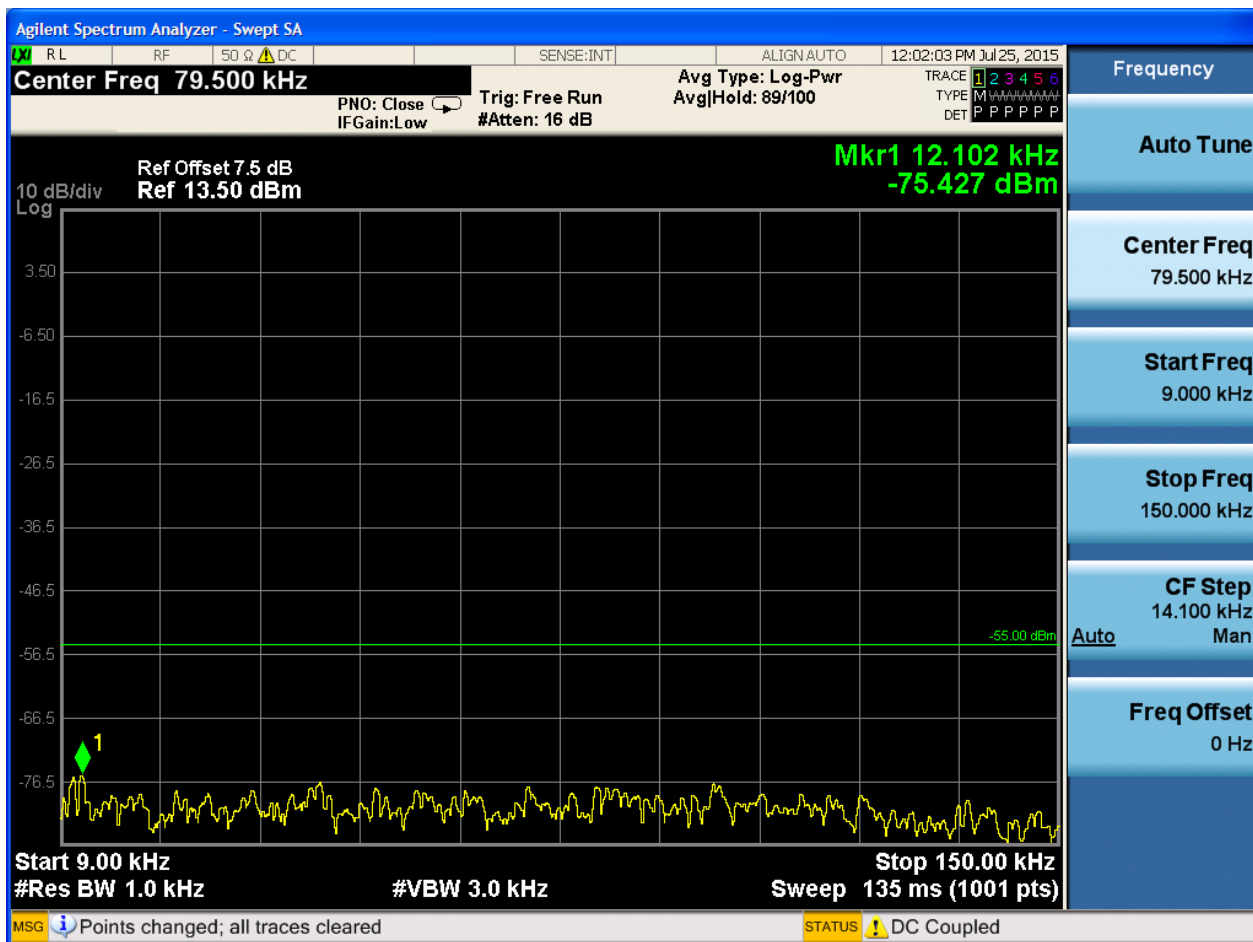


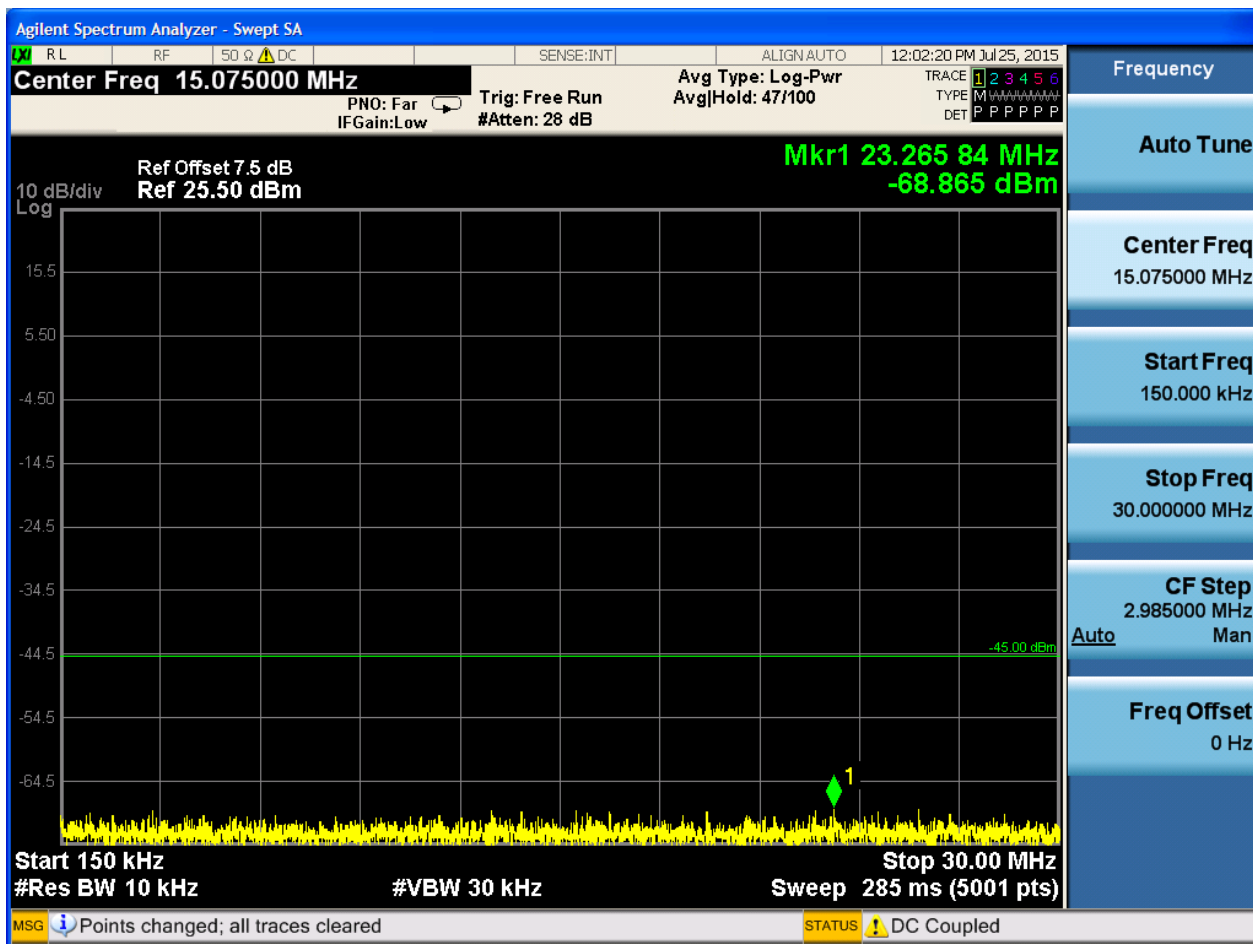




### 6.1.1.2.4.3 Test Channel = HCH

#### 6.1.1.2.4.3.1 Test RB = RB1#0







## 7Appendix\_G: Field Strength of Spurious Radiation

Note:

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

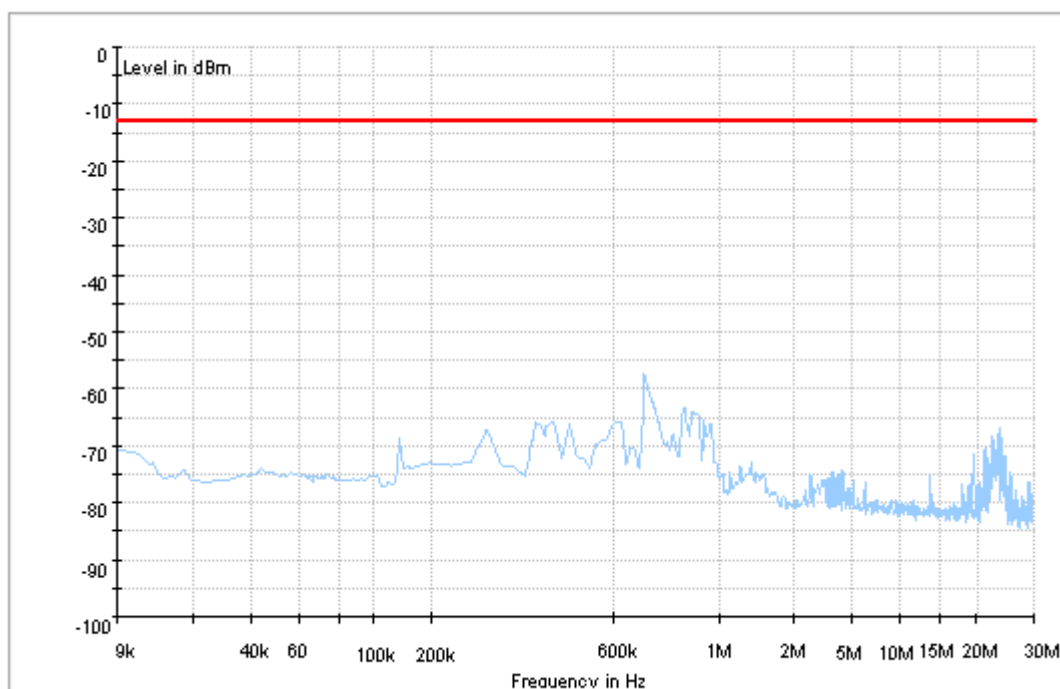
We tested all modes, but the data presented below is the worst case.

### Part I - Test Plots

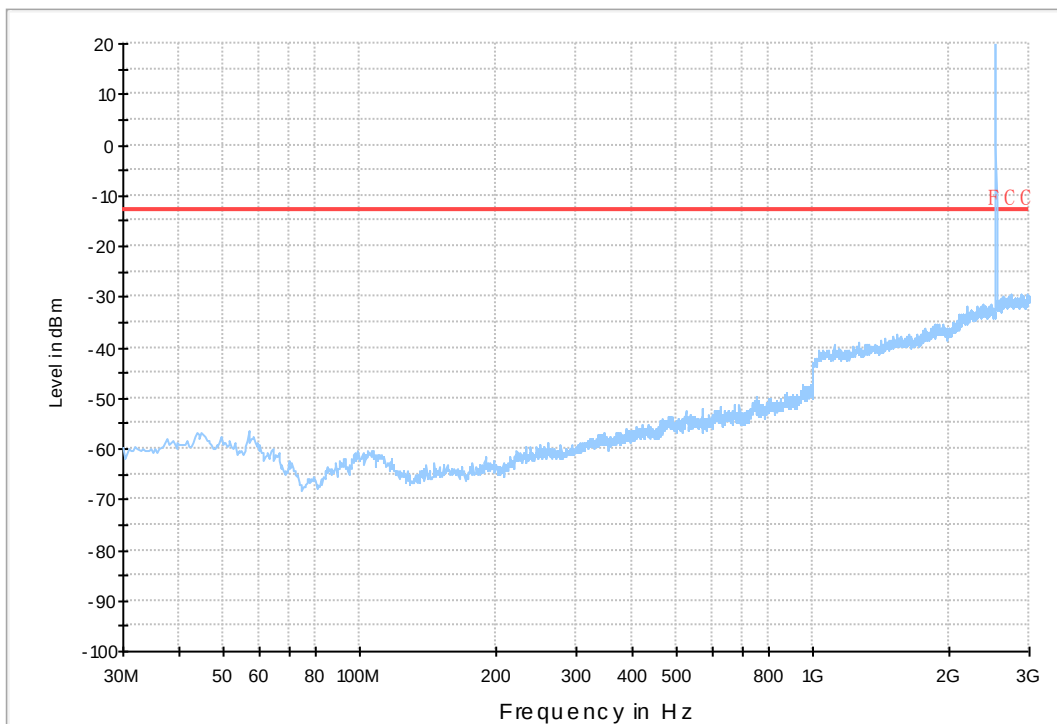
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND7

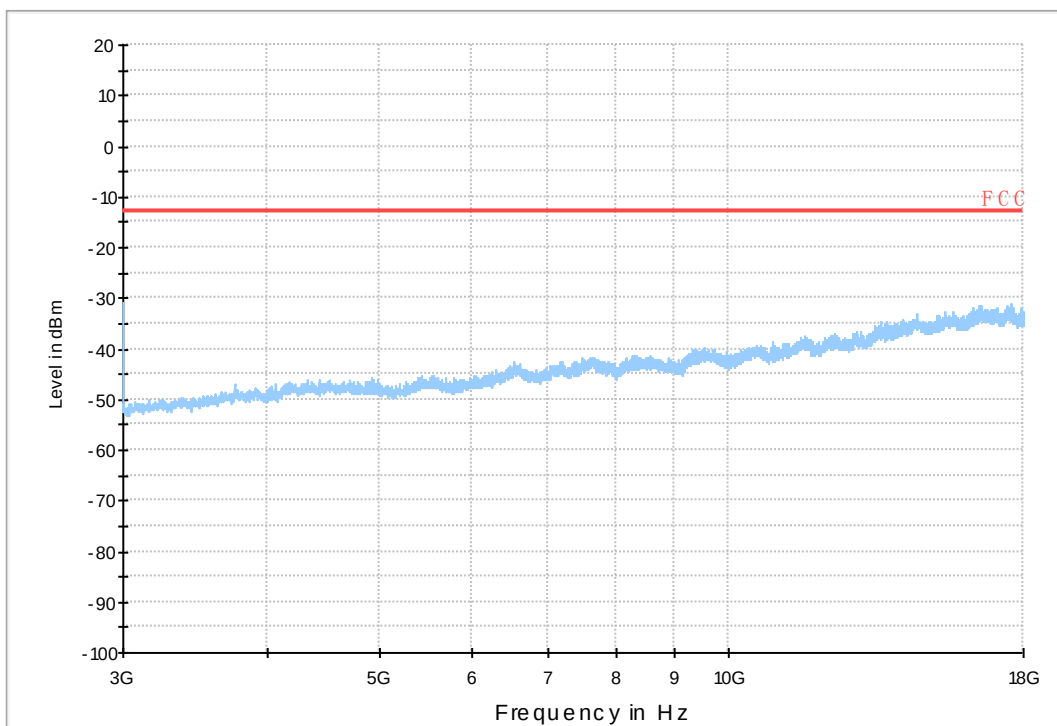
##### 7.1.1.1 Test Bandwidth = 5

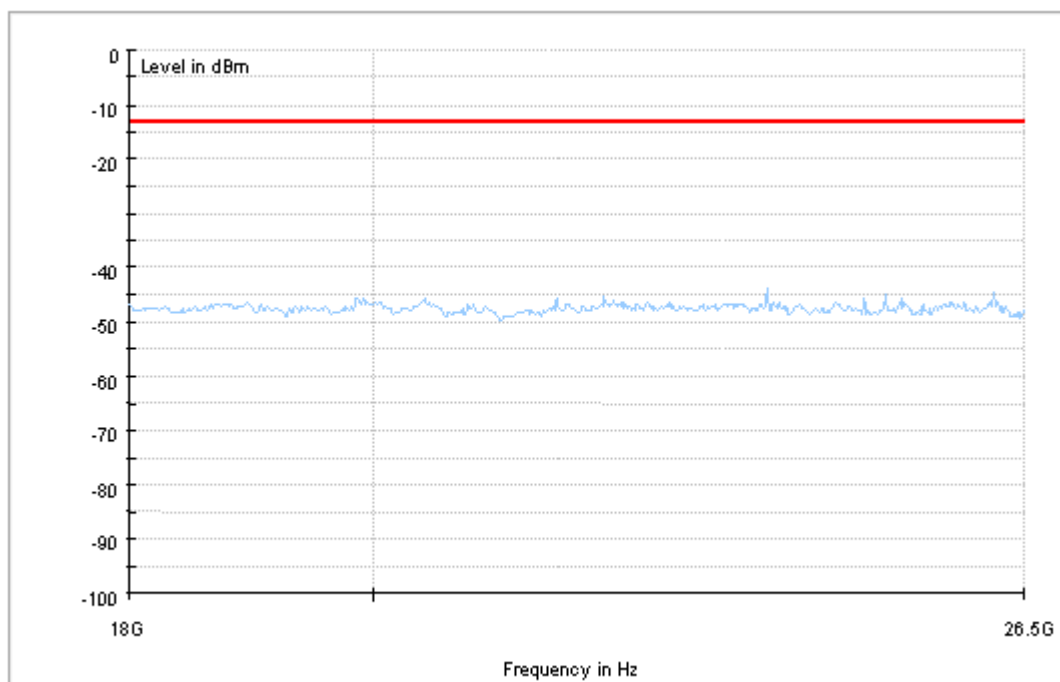


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



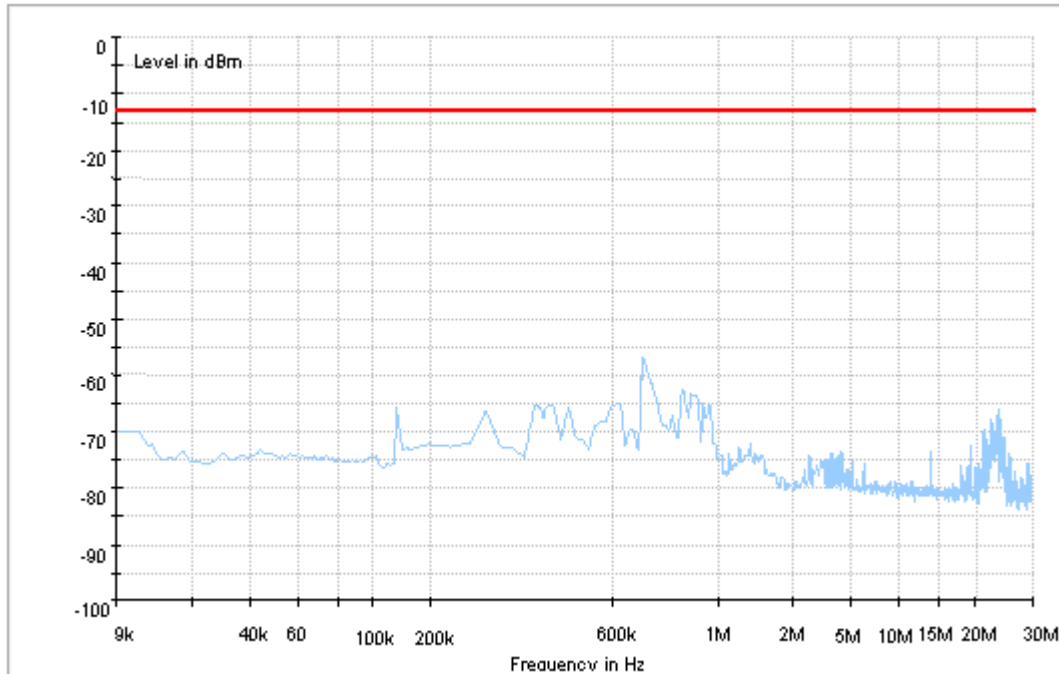
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



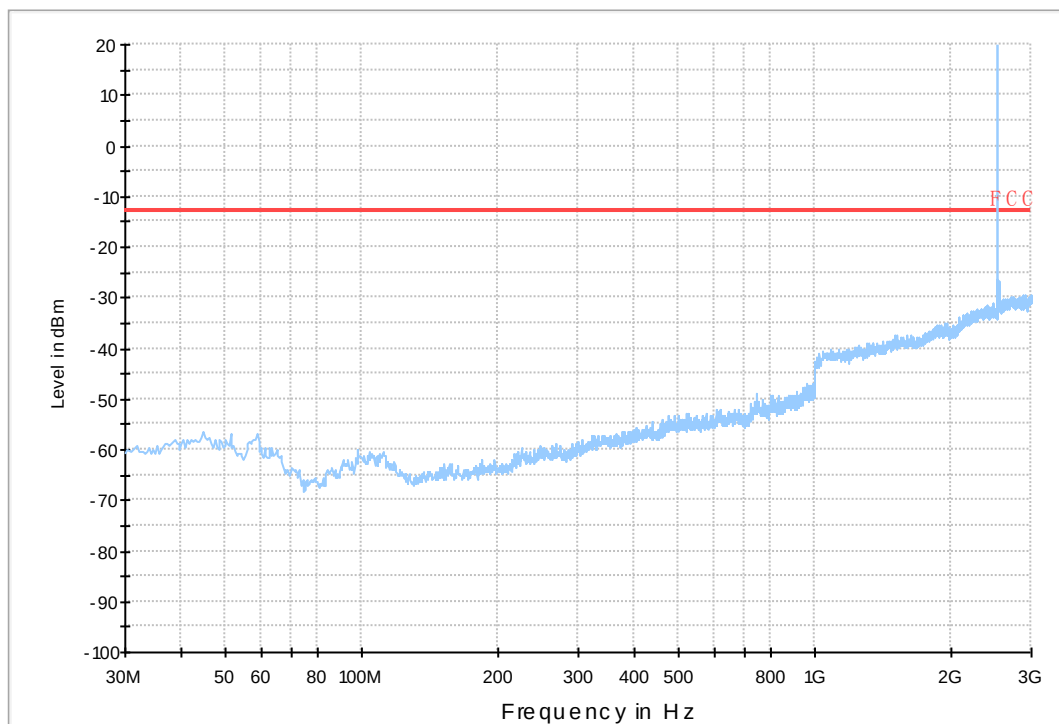




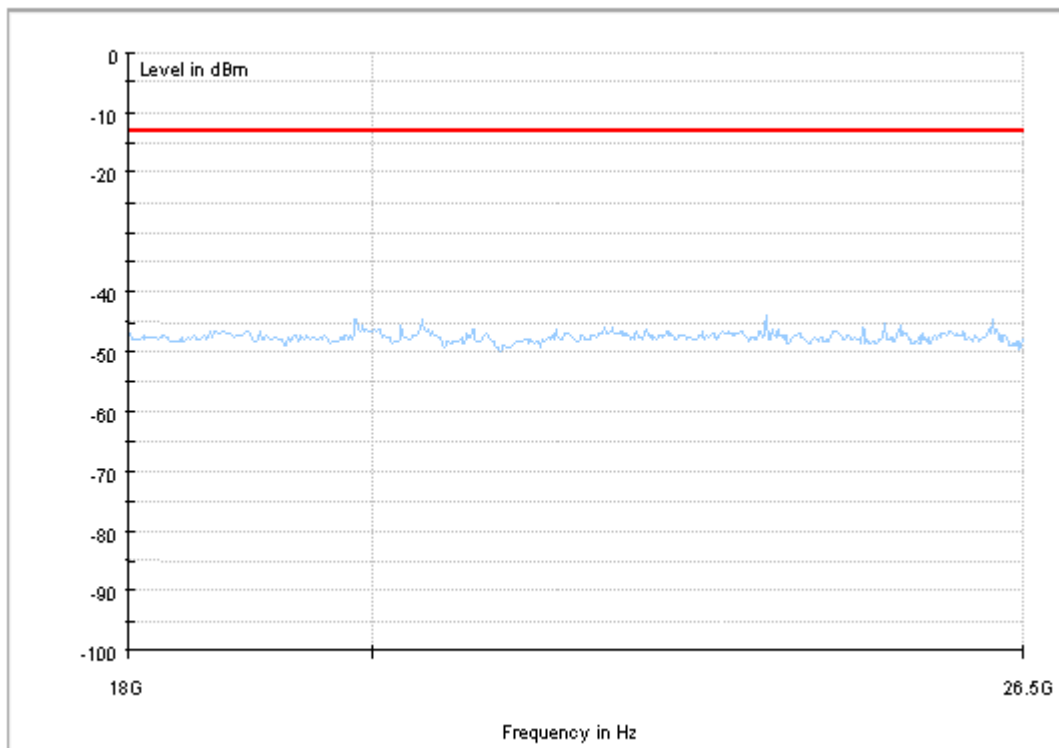
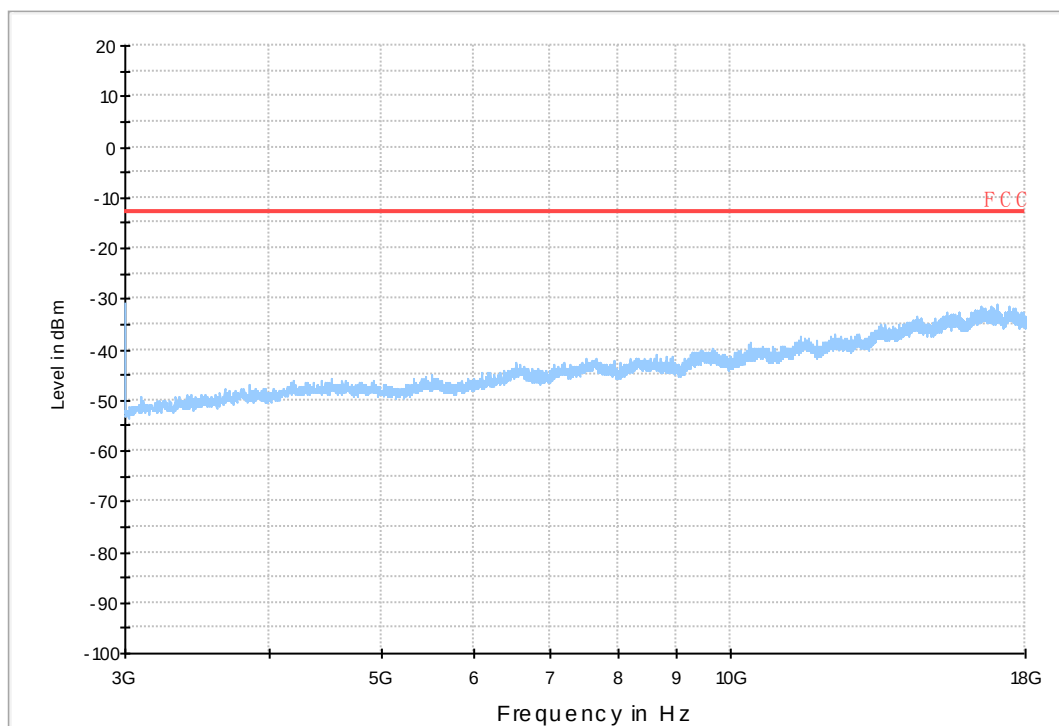
### 7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



## 8Appendix\_H: Frequency Stability

### 8.1 For LTE

#### 8.1.1Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND7     | LTE/TM1   | 5                    | LCH          | TN         | VL         | 3.08             | 0.00123               | PASS    |
|           |           |                      |              |            | VN         | 0.06             | 0.00002               | PASS    |
|           |           |                      |              |            | VH         | 1.04             | 0.00042               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.88            | -0.00153              | PASS    |
|           |           |                      |              |            | VN         | -2.47            | -0.00097              | PASS    |
|           |           |                      |              |            | VH         | -2.52            | -0.00099              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.72             | 0.00067               | PASS    |
|           |           |                      |              |            | VN         | -0.92            | -0.00036              | PASS    |
|           |           |                      |              |            | VH         | 2.33             | 0.00091               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -1.59            | -0.00063              | PASS    |
|           |           |                      |              |            | VN         | -1.86            | -0.00074              | PASS    |
|           |           |                      |              |            | VH         | -2.62            | -0.00105              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.33            | -0.00171              | PASS    |
|           |           |                      |              |            | VN         | -4.39            | -0.00173              | PASS    |
|           |           |                      |              |            | VH         | -4.56            | -0.0018               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -4.65            | -0.00181              | PASS    |
|           |           |                      |              |            | VN         | -3.16            | -0.00123              | PASS    |
|           |           |                      |              |            | VH         | -1.09            | -0.00042              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -17.21           | -0.00686              | PASS    |
|           |           |                      |              |            | VN         | -26.72           | -0.01066              | PASS    |
|           |           |                      |              |            | VH         | -31.91           | -0.01273              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.26            | -0.00089              | PASS    |
|           |           |                      |              |            | VN         | -1.9             | -0.00075              | PASS    |
|           |           |                      |              |            | VH         | -4.02            | -0.00159              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.75             | 0.00068               | PASS    |
|           |           |                      |              |            | VN         | 0.92             | 0.00036               | PASS    |
|           |           |                      |              |            | VH         | 2.49             | 0.00097               | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | 2.12             | 0.00084               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | 3.16             | 0.00126               | PASS    |
|           |           |                      |              |            | VH         | 2.66             | 0.00106               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.42            | -0.00135              | PASS    |
|           |           |                      |              |            | VN         | -4.85            | -0.00191              | PASS    |
|           |           |                      |              |            | VH         | -2.83            | -0.00112              | PASS    |
|           |           |                      |              |            | VL         | -0.39            | -0.00015              | PASS    |
|           |           |                      | HCH          | TN         | VN         | 1.02             | 0.0004                | PASS    |
|           |           |                      |              |            | VH         | 1.59             | 0.00062               | PASS    |
|           |           |                      |              |            | VL         | 1.43             | 0.00057               | PASS    |
|           | LTE/TM2   | 5                    | LCH          | TN         | VN         | 1.77             | 0.00071               | PASS    |
|           |           |                      |              |            | VH         | 3.45             | 0.00138               | PASS    |
|           |           |                      |              |            | VL         | -4.22            | -0.00166              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -2.12            | -0.00084              | PASS    |
|           |           |                      |              |            | VH         | -1.46            | -0.00058              | PASS    |
|           |           |                      |              |            | VL         | 2.63             | 0.00102               | PASS    |
|           |           |                      | HCH          | TN         | VN         | 1.73             | 0.00067               | PASS    |
|           |           |                      |              |            | VH         | 2.82             | 0.0011                | PASS    |
|           |           |                      |              |            | VL         | -3.25            | -0.0013               | PASS    |
|           |           | 10                   | LCH          | TN         | VN         | -3.88            | -0.00155              | PASS    |
|           |           |                      |              |            | VH         | -2.25            | -0.0009               | PASS    |
|           |           |                      |              |            | VL         | -4.02            | -0.00159              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -5.25            | -0.00207              | PASS    |
|           |           |                      |              |            | VH         | -3.13            | -0.00123              | PASS    |
|           |           |                      |              |            | VL         | -2.95            | -0.00115              | PASS    |
|           |           |                      | HCH          | TN         | VN         | -3.42            | -0.00133              | PASS    |
|           |           |                      |              |            | VH         | -2.99            | -0.00117              | PASS    |
|           |           |                      |              |            | VL         | 4.98             | 0.00199               | PASS    |
|           |           | 15                   | LCH          | TN         | VN         | -7.87            | -0.00314              | PASS    |
|           |           |                      |              |            | VH         | -21.07           | -0.0084               | PASS    |
|           |           |                      |              |            | VL         | -1.67            | -0.00066              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -2.39            | -0.00094              | PASS    |
|           |           |                      |              |            | VH         | -2.73            | -0.00108              | PASS    |
|           |           |                      |              |            | VL         | 4.33             | 0.00169               | PASS    |
|           |           |                      | HCH          | TN         | VN         | 3.46             | 0.00135               | PASS    |
|           |           |                      |              |            | VH         | 3.6              | 0.0014                | PASS    |
|           |           |                      |              |            | VL         | 3.93             | 0.00157               | PASS    |
|           |           | 20                   | LCH          | TN         | VN         | 3.23             | 0.00129               | PASS    |
|           |           |                      |              |            | VH         | 4.92             | 0.00196               | PASS    |
|           |           |                      |              |            | VL         | -2.68            | -0.00106              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -3.71            | -0.00146              | PASS    |
|           |           |                      |              |            | VH         | -2.05            | -0.00081              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.86             | 0.00034               | PASS    |
|           |           |                      |              |            | VN         | 0.4              | 0.00016               | PASS    |
|           |           |                      |              |            | VH         | 0.17             | 0.00007               | PASS    |

### 8.1.2 Frequency Error vs. Temperature:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| BAND7     | LTE/TM1   | 5                    | LCH          | VN         | -30       | 3.16             | 0.00126               | PASS    |
|           |           |                      |              |            | -20       | 2.8              | 0.00112               | PASS    |
|           |           |                      |              |            | -10       | 2.57             | 0.00103               | PASS    |
|           |           |                      |              |            | 0         | 1.39             | 0.00056               | PASS    |
|           |           |                      |              |            | 10        | 1.7              | 0.00068               | PASS    |
|           |           |                      |              |            | 20        | 0.56             | 0.00022               | PASS    |
|           |           |                      |              |            | 30        | 0.57             | 0.00023               | PASS    |
|           |           |                      |              |            | 40        | 1.93             | 0.00077               | PASS    |
|           |           |                      |              |            | 50        | 1.04             | 0.00042               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -2.95            | -0.00116              | PASS    |
|           |           |                      |              |            | -20       | -1.79            | -0.00071              | PASS    |
|           |           |                      |              |            | -10       | -2.06            | -0.00081              | PASS    |
|           |           |                      |              |            | 0         | -3.49            | -0.00138              | PASS    |
|           |           |                      |              |            | 10        | -0.51            | -0.0002               | PASS    |
|           |           |                      |              |            | 20        | -4.65            | -0.00183              | PASS    |
|           |           |                      |              |            | 30        | -3.89            | -0.00153              | PASS    |
|           |           |                      |              |            | 40        | -5.09            | -0.00201              | PASS    |
|           |           |                      |              |            | 50        | -3.52            | -0.00139              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -1.56            | -0.00061              | PASS    |
|           |           |                      |              |            | -20       | 2.13             | 0.00083               | PASS    |
|           |           |                      |              |            | -10       | -0.47            | -0.00018              | PASS    |
|           |           |                      |              |            | 0         | 1.89             | 0.00074               | PASS    |
|           |           |                      |              |            | 10        | 0                | 0                     | PASS    |
|           |           |                      |              |            | 20        | -1.02            | -0.0004               | PASS    |
|           |           |                      |              |            | 30        | 1.06             | 0.00041               | PASS    |
|           |           |                      |              |            | 40        | 1.83             | 0.00071               | PASS    |
|           |           |                      |              |            | 50        | 1.1              | 0.00043               | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -3.49            | -0.00139              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20       | -1.96            | -0.00078              | PASS    |
|           |           |                      |              |            | -10       | -1.72            | -0.00069              | PASS    |
|           |           |                      |              |            | 0         | -3.43            | -0.00137              | PASS    |
|           |           |                      |              |            | 10        | -2.83            | -0.00113              | PASS    |
|           |           |                      |              |            | 20        | -3.89            | -0.00155              | PASS    |
|           |           |                      |              |            | 30        | -1.79            | -0.00071              | PASS    |
|           |           |                      |              |            | 40        | -2.52            | -0.00101              | PASS    |
|           |           |                      |              |            | 50        | -4.03            | -0.00161              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -2.53            | -0.001                | PASS    |
|           |           |                      |              |            | -20       | -2.95            | -0.00116              | PASS    |
|           |           |                      |              |            | -10       | -2.27            | -0.0009               | PASS    |
|           |           |                      |              |            | 0         | -4.59            | -0.00181              | PASS    |
|           |           |                      |              |            | 10        | -3.53            | -0.00139              | PASS    |
|           |           |                      |              |            | 20        | -1.6             | -0.00063              | PASS    |
|           |           |                      |              |            | 30        | -2.95            | -0.00116              | PASS    |
|           |           |                      |              |            | 40        | -2.37            | -0.00093              | PASS    |
|           |           |                      |              |            | 50        | 0.21             | 0.00008               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -2.19            | -0.00085              | PASS    |
|           |           |                      |              |            | -20       | -1.29            | -0.0005               | PASS    |
|           |           |                      |              |            | -10       | -2.49            | -0.00097              | PASS    |
|           |           |                      |              |            | 0         | -1.69            | -0.00066              | PASS    |
|           |           |                      |              |            | 10        | -2.68            | -0.00104              | PASS    |
|           |           |                      |              |            | 20        | -1.86            | -0.00073              | PASS    |
|           |           |                      |              |            | 30        | -1.03            | -0.0004               | PASS    |
|           |           |                      |              |            | 40        | -4.85            | -0.00189              | PASS    |
|           |           |                      |              |            | 50        | -1.93            | -0.00075              | PASS    |
|           |           | 15                   | LCH          | VN         | -30       | 39.35            | 0.01569               | PASS    |
|           |           |                      |              |            | -20       | 26.85            | 0.01071               | PASS    |
|           |           |                      |              |            | -10       | 11.62            | 0.00463               | PASS    |
|           |           |                      |              |            | 0         | -0.86            | -0.00034              | PASS    |
|           |           |                      |              |            | 10        | -13.92           | -0.00555              | PASS    |
|           |           |                      |              |            | 20        | -25.43           | -0.01014              | PASS    |
|           |           |                      |              |            | 30        | -32.14           | -0.01282              | PASS    |
|           |           |                      |              |            | 40        | -38.14           | -0.01521              | PASS    |
|           |           |                      |              |            | 50        | -37.04           | -0.01477              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -2.57            | -0.00101              | PASS    |
|           |           |                      |              |            | -20       | -3.73            | -0.00147              | PASS    |
|           |           |                      |              |            | -10       | -1.82            | -0.00072              | PASS    |
|           |           |                      |              |            | 0         | -1.75            | -0.00069              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | -3.73            | -0.00147              | PASS    |
|           |           |                      |              |            | 20        | -2.46            | -0.00097              | PASS    |
|           |           |                      |              |            | 30        | -2.23            | -0.00088              | PASS    |
|           |           |                      |              |            | 40        | -4.11            | -0.00162              | PASS    |
|           |           |                      |              |            | 50        | -4.68            | -0.00185              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 5.04             | 0.00197               | PASS    |
|           |           |                      |              |            | -20       | 3.52             | 0.00137               | PASS    |
|           |           |                      |              |            | -10       | 3.02             | 0.00118               | PASS    |
|           |           |                      |              |            | 0         | 1.99             | 0.00078               | PASS    |
|           |           |                      |              |            | 10        | 3.3              | 0.00129               | PASS    |
|           |           |                      |              |            | 20        | 3.58             | 0.0014                | PASS    |
|           |           |                      |              |            | 30        | 2.26             | 0.00088               | PASS    |
|           |           |                      |              |            | 40        | 3.28             | 0.00128               | PASS    |
|           |           |                      |              |            | 50        | 1.9              | 0.00074               | PASS    |
|           |           | 20                   | LCH          | VN         | -30       | 0.29             | 0.00012               | PASS    |
|           |           |                      |              |            | -20       | 2.25             | 0.0009                | PASS    |
|           |           |                      |              |            | -10       | 3.69             | 0.00147               | PASS    |
|           |           |                      |              |            | 0         | 3.13             | 0.00125               | PASS    |
|           |           |                      |              |            | 10        | 3.4              | 0.00135               | PASS    |
|           |           |                      |              |            | 20        | 3.98             | 0.00159               | PASS    |
|           |           |                      |              |            | 30        | 6.17             | 0.00246               | PASS    |
|           |           |                      |              |            | 40        | 3.56             | 0.00142               | PASS    |
|           |           |                      |              |            | 50        | 3.03             | 0.00121               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -3.5             | -0.00138              | PASS    |
|           |           |                      |              |            | -20       | -1.89            | -0.00075              | PASS    |
|           |           |                      |              |            | -10       | -1.87            | -0.00074              | PASS    |
|           |           |                      |              |            | 0         | -2.2             | -0.00087              | PASS    |
|           |           |                      |              |            | 10        | -2.68            | -0.00106              | PASS    |
|           |           |                      |              |            | 20        | -1.26            | -0.0005               | PASS    |
|           |           |                      |              |            | 30        | -1.37            | -0.00054              | PASS    |
|           |           |                      |              |            | 40        | -4.69            | -0.00185              | PASS    |
|           |           |                      |              |            | 50        | -3.08            | -0.00121              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 1.24             | 0.00048               | PASS    |
|           |           |                      |              |            | -20       | 0.16             | 0.00006               | PASS    |
|           |           |                      |              |            | -10       | 0.44             | 0.00017               | PASS    |
|           |           |                      |              |            | 0         | -0.49            | -0.00019              | PASS    |
|           |           |                      |              |            | 10        | 0.29             | 0.00011               | PASS    |
|           |           |                      |              |            | 20        | -1.2             | -0.00047              | PASS    |
|           |           |                      |              |            | 30        | -0.86            | -0.00034              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           | LTE/TM2   | 5                    |              |            | 40        | -0.01            | 0                     | PASS    |
|           |           |                      |              |            | 50        | 0.5              | 0.0002                | PASS    |
|           |           |                      | LCH          | VN         | -30       | 2.19             | 0.00088               | PASS    |
|           |           |                      |              |            | -20       | 3.49             | 0.00139               | PASS    |
|           |           |                      |              |            | -10       | 3.56             | 0.00142               | PASS    |
|           |           |                      |              |            | 0         | 0.57             | 0.00023               | PASS    |
|           |           |                      |              |            | 10        | 2.29             | 0.00092               | PASS    |
|           |           |                      |              |            | 20        | 4.66             | 0.00186               | PASS    |
|           |           |                      |              |            | 30        | 2.75             | 0.0011                | PASS    |
|           |           |                      |              |            | 40        | 2.37             | 0.00095               | PASS    |
|           |           |                      |              |            | 50        | 4.82             | 0.00193               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -4.95            | -0.00195              | PASS    |
|           |           |                      |              |            | -20       | -0.82            | -0.00032              | PASS    |
|           |           |                      |              |            | -10       | -2.13            | -0.00084              | PASS    |
|           |           |                      |              |            | 0         | -4.36            | -0.00172              | PASS    |
|           |           |                      |              |            | 10        | -2.86            | -0.00113              | PASS    |
|           |           |                      |              |            | 20        | -3.99            | -0.00157              | PASS    |
|           |           |                      |              |            | 30        | -2.78            | -0.0011               | PASS    |
|           |           |                      |              |            | 40        | -2.76            | -0.00109              | PASS    |
|           |           |                      |              |            | 50        | -2.92            | -0.00115              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -0.66            | -0.00026              | PASS    |
|           |           |                      |              |            | -20       | 0.5              | 0.00019               | PASS    |
|           |           |                      |              |            | -10       | 1.97             | 0.00077               | PASS    |
|           |           |                      |              |            | 0         | -1.16            | -0.00045              | PASS    |
|           |           |                      |              |            | 10        | 1.07             | 0.00042               | PASS    |
|           |           |                      |              |            | 20        | 2.3              | 0.0009                | PASS    |
|           |           |                      |              |            | 30        | 2.4              | 0.00093               | PASS    |
|           |           |                      |              |            | 40        | 0.6              | 0.00023               | PASS    |
|           |           |                      |              |            | 50        | 1.47             | 0.00057               | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -3.1             | -0.00124              | PASS    |
|           |           |                      |              |            | -20       | -2.45            | -0.00098              | PASS    |
|           |           |                      |              |            | -10       | -5.16            | -0.00206              | PASS    |
|           |           |                      |              |            | 0         | -3.09            | -0.00123              | PASS    |
|           |           |                      |              |            | 10        | -2.96            | -0.00118              | PASS    |
|           |           |                      |              |            | 20        | -4.36            | -0.00174              | PASS    |
|           |           |                      |              |            | 30        | -3.6             | -0.00144              | PASS    |
|           |           |                      |              |            | 40        | -3.81            | -0.00152              | PASS    |
|           |           |                      |              |            | 50        | -3.49            | -0.00139              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -2.68            | -0.00106              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20       | -2.36            | -0.00093              | PASS    |
|           |           |                      |              |            | -10       | -4.15            | -0.00164              | PASS    |
|           |           |                      |              |            | 0         | -1.77            | -0.0007               | PASS    |
|           |           |                      |              |            | 10        | -2.92            | -0.00115              | PASS    |
|           |           |                      |              |            | 20        | -3.29            | -0.0013               | PASS    |
|           |           |                      |              |            | 30        | -4.33            | -0.00171              | PASS    |
|           |           |                      |              |            | 40        | -4.11            | -0.00162              | PASS    |
|           |           |                      |              |            | 50        | -0.37            | -0.00015              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -2.19            | -0.00085              | PASS    |
|           |           |                      |              |            | -20       | -3.48            | -0.00136              | PASS    |
|           |           |                      |              |            | -10       | -4.21            | -0.00164              | PASS    |
|           |           |                      |              |            | 0         | -4.13            | -0.00161              | PASS    |
|           |           |                      |              |            | 10        | -4.78            | -0.00186              | PASS    |
|           |           |                      |              |            | 20        | -4.82            | -0.00188              | PASS    |
|           |           |                      |              |            | 30        | -3.88            | -0.00151              | PASS    |
|           |           |                      |              |            | 40        | -3.32            | -0.00129              | PASS    |
|           |           |                      |              |            | 50        | -2.73            | -0.00106              | PASS    |
|           |           | 15                   | LCH          | VN         | -30       | 78.36            | 0.03125               | PASS    |
|           |           |                      |              |            | -20       | 75.14            | 0.02997               | PASS    |
|           |           |                      |              |            | -10       | 63.63            | 0.02538               | PASS    |
|           |           |                      |              |            | 0         | 55.23            | 0.02203               | PASS    |
|           |           |                      |              |            | 10        | 42.97            | 0.01714               | PASS    |
|           |           |                      |              |            | 20        | 32.04            | 0.01278               | PASS    |
|           |           |                      |              |            | 30        | 21.11            | 0.00842               | PASS    |
|           |           |                      |              |            | 40        | 12.99            | 0.00518               | PASS    |
|           |           |                      |              |            | 50        | 2.73             | 0.00109               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -2.6             | -0.00103              | PASS    |
|           |           |                      |              |            | -20       | -2.53            | -0.001                | PASS    |
|           |           |                      |              |            | -10       | -2.65            | -0.00105              | PASS    |
|           |           |                      |              |            | 0         | -2.33            | -0.00092              | PASS    |
|           |           |                      |              |            | 10        | -2.22            | -0.00088              | PASS    |
|           |           |                      |              |            | 20        | -2.76            | -0.00109              | PASS    |
|           |           |                      |              |            | 30        | -3.98            | -0.00157              | PASS    |
|           |           |                      |              |            | 40        | -1.56            | -0.00062              | PASS    |
|           |           |                      |              |            | 50        | -3.62            | -0.00143              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 1.13             | 0.00044               | PASS    |
|           |           |                      |              |            | -20       | 2.7              | 0.00105               | PASS    |
|           |           |                      |              |            | -10       | 2.85             | 0.00111               | PASS    |
|           |           |                      |              |            | 0         | 2.86             | 0.00112               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | 0.19             | 0.00007               | PASS    |
|           |           |                      |              |            | 20        | 1.13             | 0.00044               | PASS    |
|           |           |                      |              |            | 30        | 2.55             | 0.001                 | PASS    |
|           |           |                      |              |            | 40        | 2.89             | 0.00113               | PASS    |
|           |           |                      |              |            | 50        | 2.99             | 0.00117               | PASS    |
|           |           | 20                   | LCH          | VN         | -30       | 1.54             | 0.00061               | PASS    |
|           |           |                      |              |            | -20       | 1.4              | 0.00056               | PASS    |
|           |           |                      |              |            | -10       | 4.39             | 0.00175               | PASS    |
|           |           |                      |              |            | 0         | 1.75             | 0.0007                | PASS    |
|           |           |                      |              |            | 10        | 2.6              | 0.00104               | PASS    |
|           |           |                      |              |            | 20        | 3.05             | 0.00122               | PASS    |
|           |           |                      |              |            | 30        | 0.83             | 0.00033               | PASS    |
|           |           |                      |              |            | 40        | 3.52             | 0.0014                | PASS    |
|           |           |                      |              |            | 50        | 1.6              | 0.00064               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -4.88            | -0.00193              | PASS    |
|           |           |                      |              |            | -20       | -4.25            | -0.00168              | PASS    |
|           |           |                      |              |            | -10       | -3.38            | -0.00133              | PASS    |
|           |           |                      |              |            | 0         | -1.6             | -0.00063              | PASS    |
|           |           |                      |              |            | 10        | -3.28            | -0.00129              | PASS    |
|           |           |                      |              |            | 20        | -2.07            | -0.00082              | PASS    |
|           |           |                      |              |            | 30        | -0.92            | -0.00036              | PASS    |
|           |           |                      |              |            | 40        | -3.16            | -0.00125              | PASS    |
|           |           |                      |              |            | 50        | -4.69            | -0.00185              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 2.02             | 0.00079               | PASS    |
|           |           |                      |              |            | -20       | 0.73             | 0.00029               | PASS    |
|           |           |                      |              |            | -10       | 3.45             | 0.00135               | PASS    |
|           |           |                      |              |            | 0         | 1.97             | 0.00077               | PASS    |
|           |           |                      |              |            | 10        | 1.39             | 0.00054               | PASS    |
|           |           |                      |              |            | 20        | -0.21            | -0.00008              | PASS    |
|           |           |                      |              |            | 30        | 3.71             | 0.00145               | PASS    |
|           |           |                      |              |            | 40        | 2.15             | 0.00084               | PASS    |
|           |           |                      |              |            | 50        | 1.34             | 0.00052               | PASS    |

END