

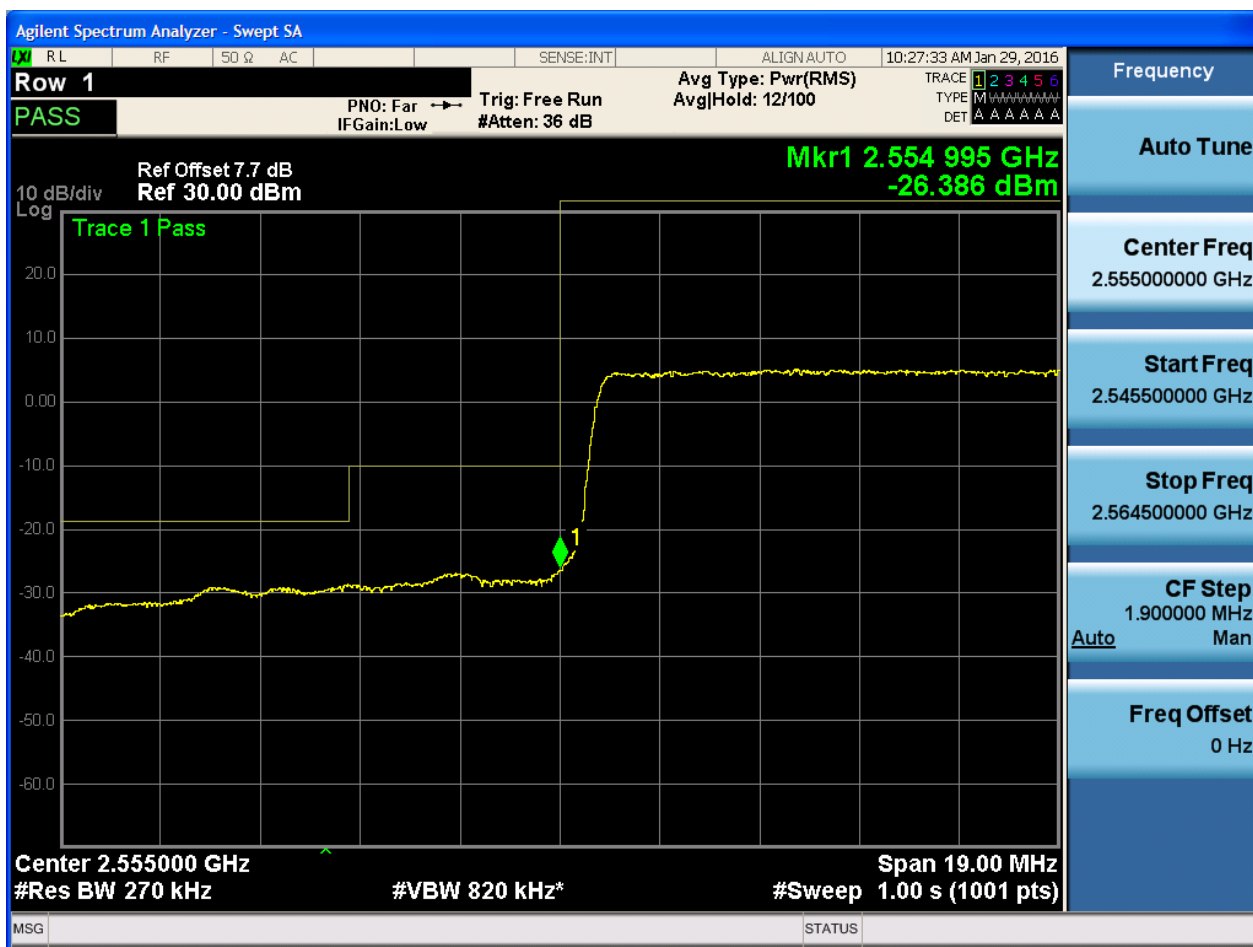


## 1.1.1.2.3.1.3 Test RB = RB36#18



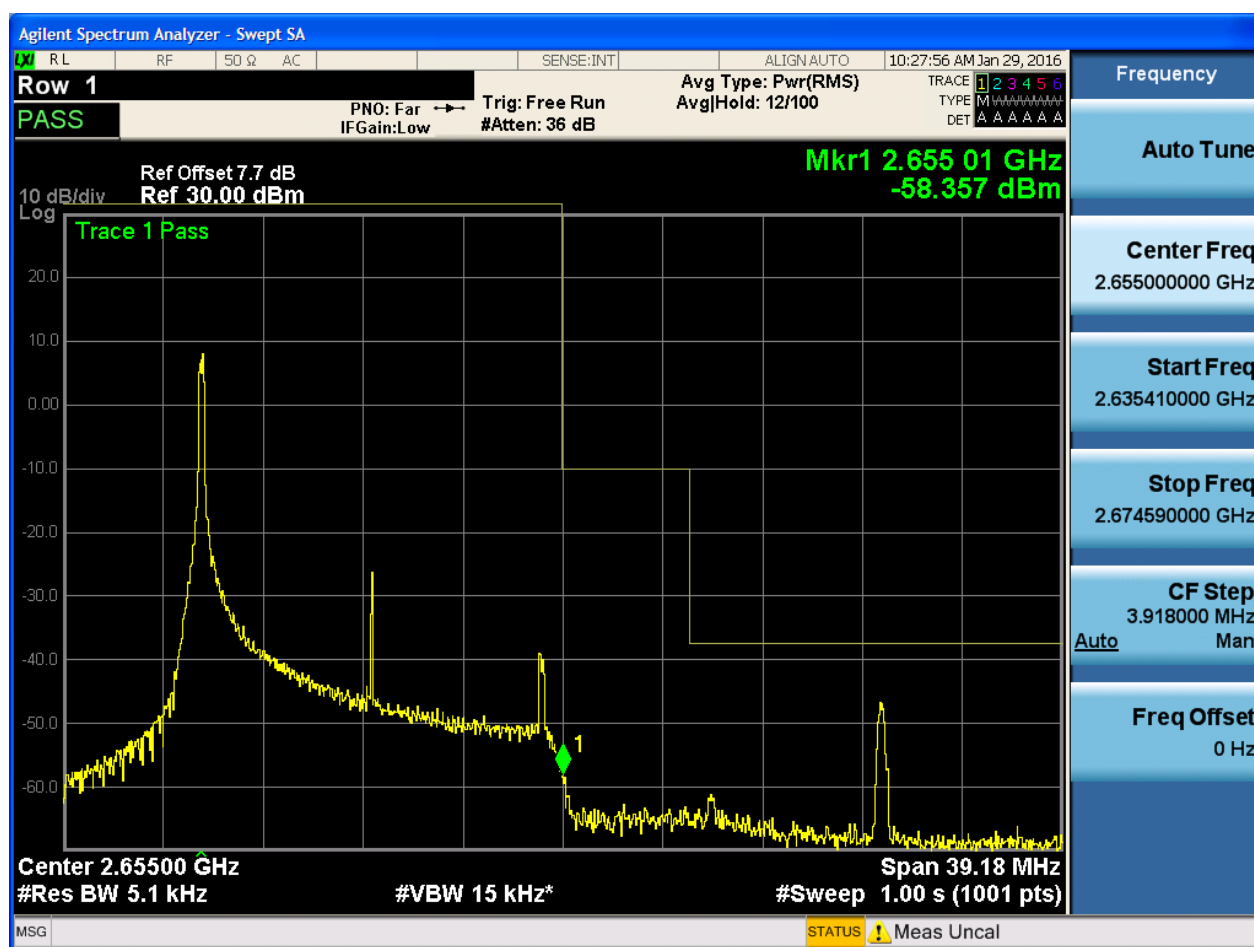


## 1.1.1.2.3.1.4 Test RB = RB75#0



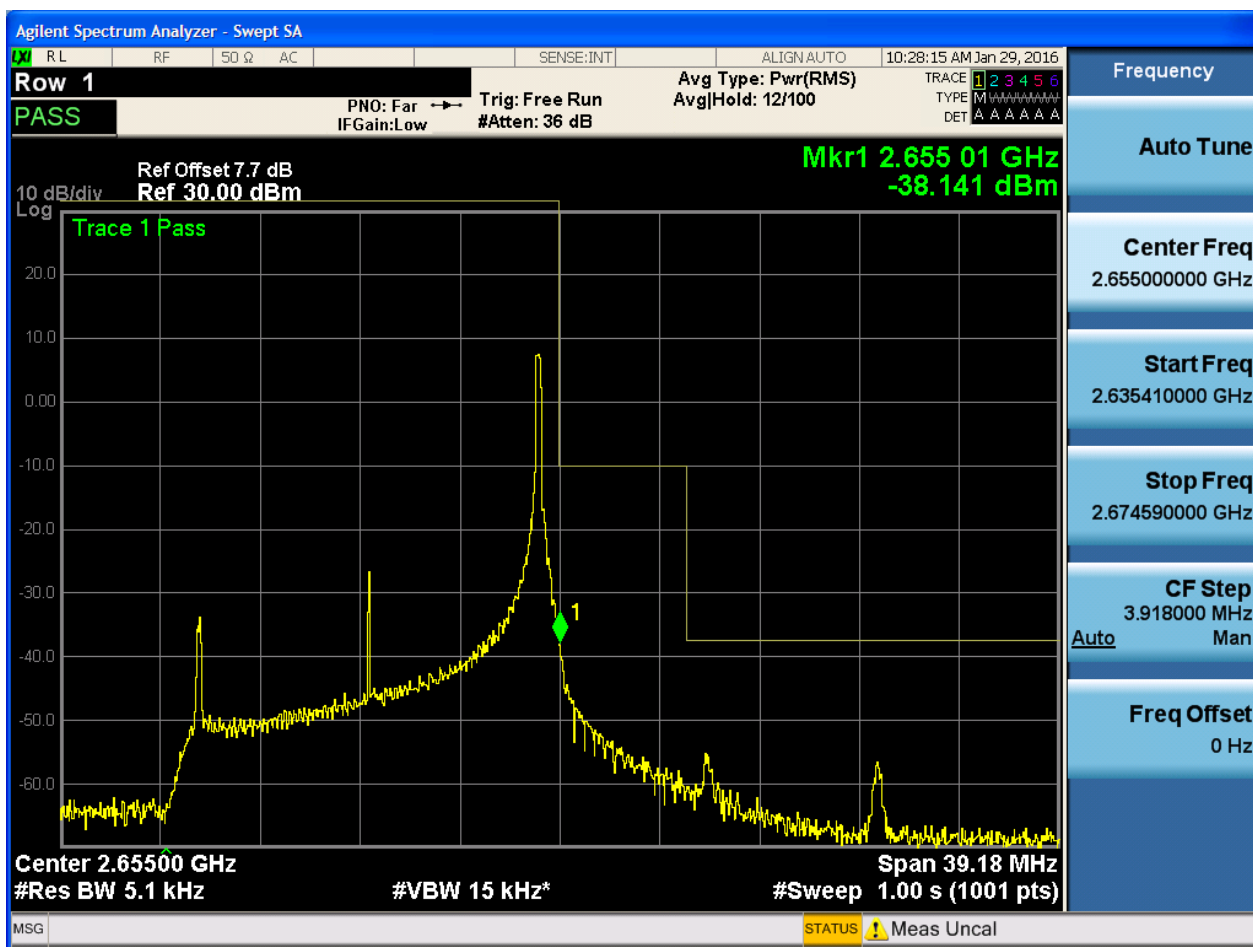
#### 1.1.1.2.3.2 Test Channel = HCH

#### 1.1.1.2.3.2.1 Test RB = RB1#0





## 1.1.1.2.3.2.2 Test RB = RB1#74





## 1.1.1.2.3.2.3 Test RB = RB36#18





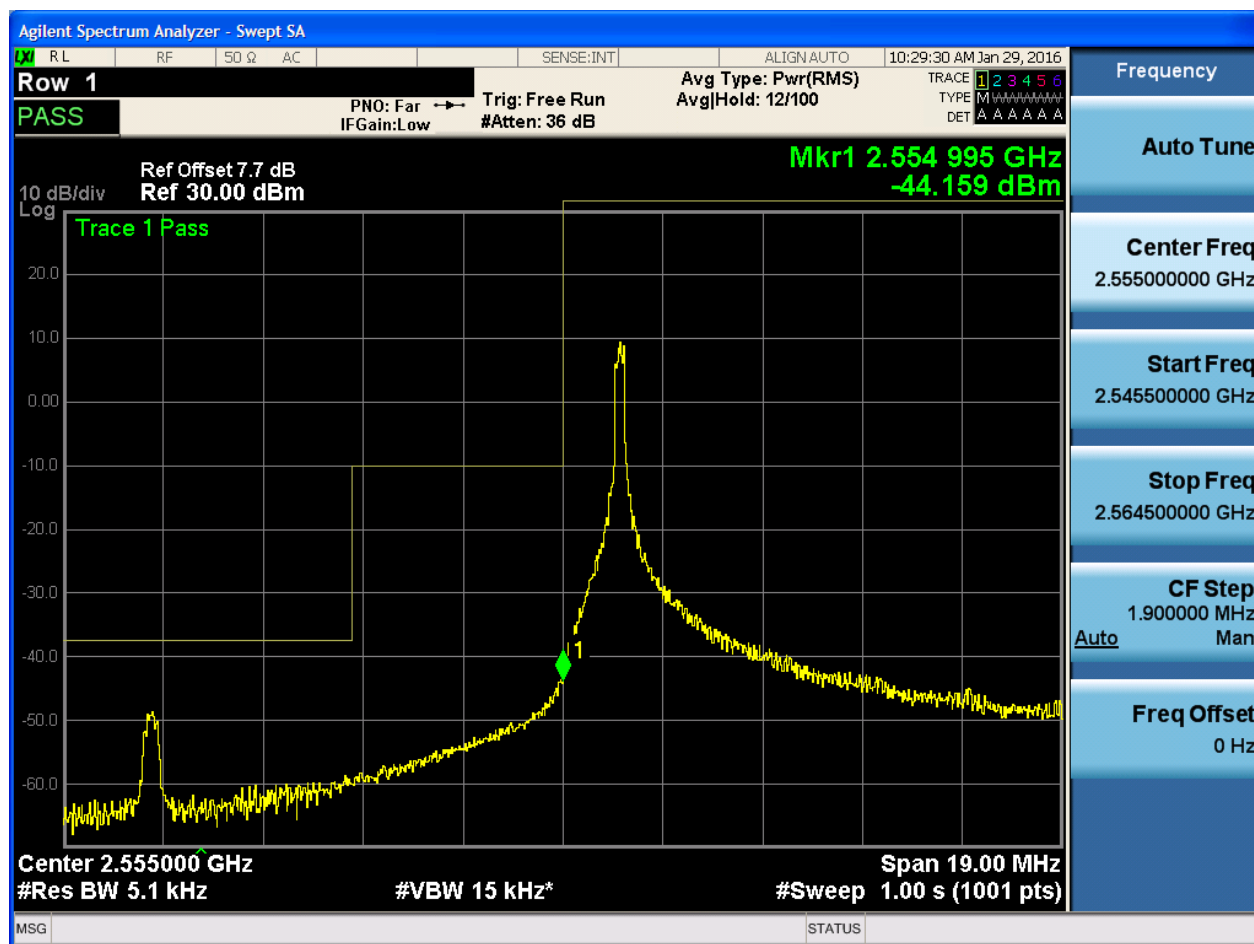
## 1.1.1.2.3.2.4 Test RB = RB75#0



### 1.1.1.2.4 Test Bandwidth = 20

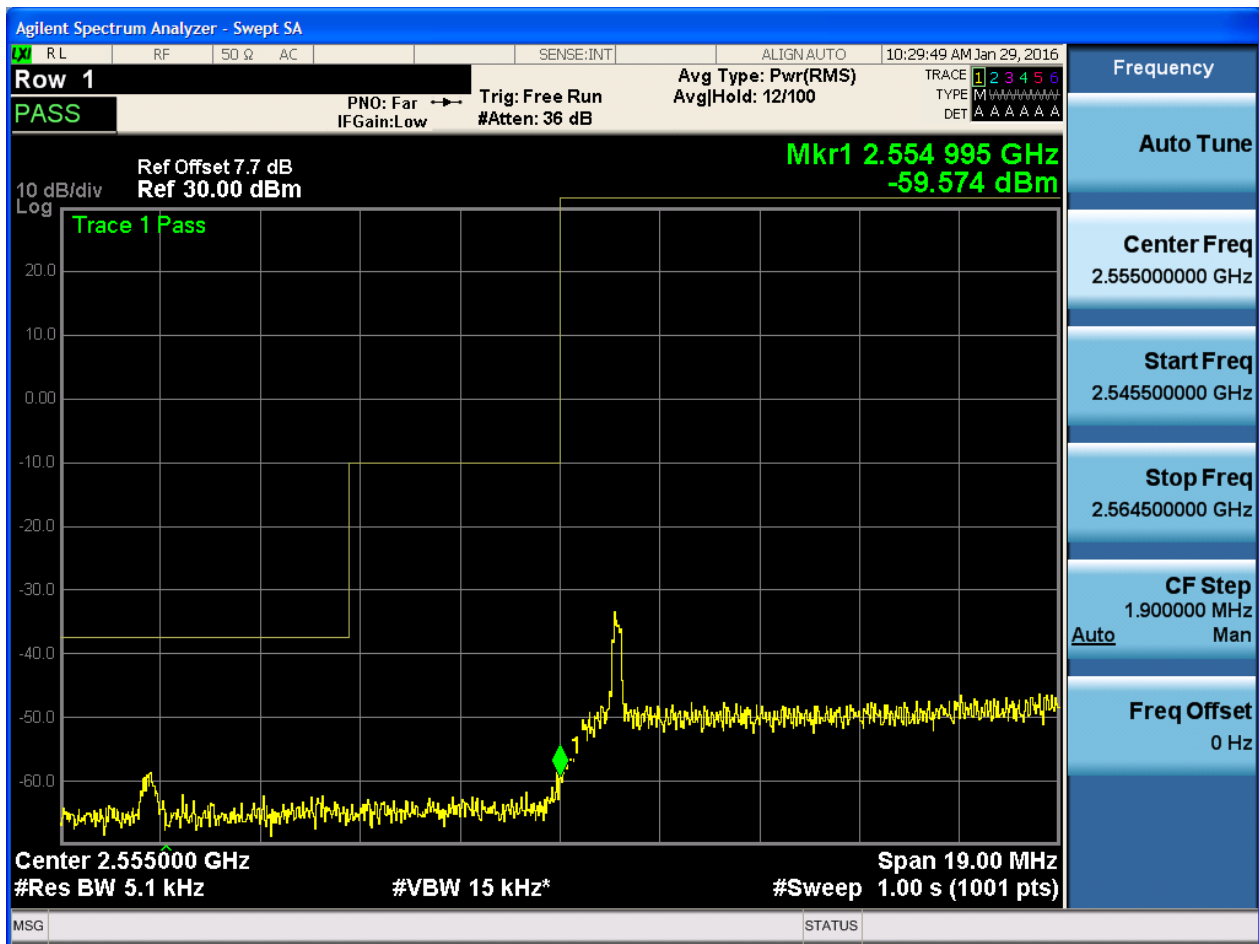
#### 1.1.1.2.4.1 Test Channel = LCH

##### 1.1.1.2.4.1.1 Test RB = RB1#0



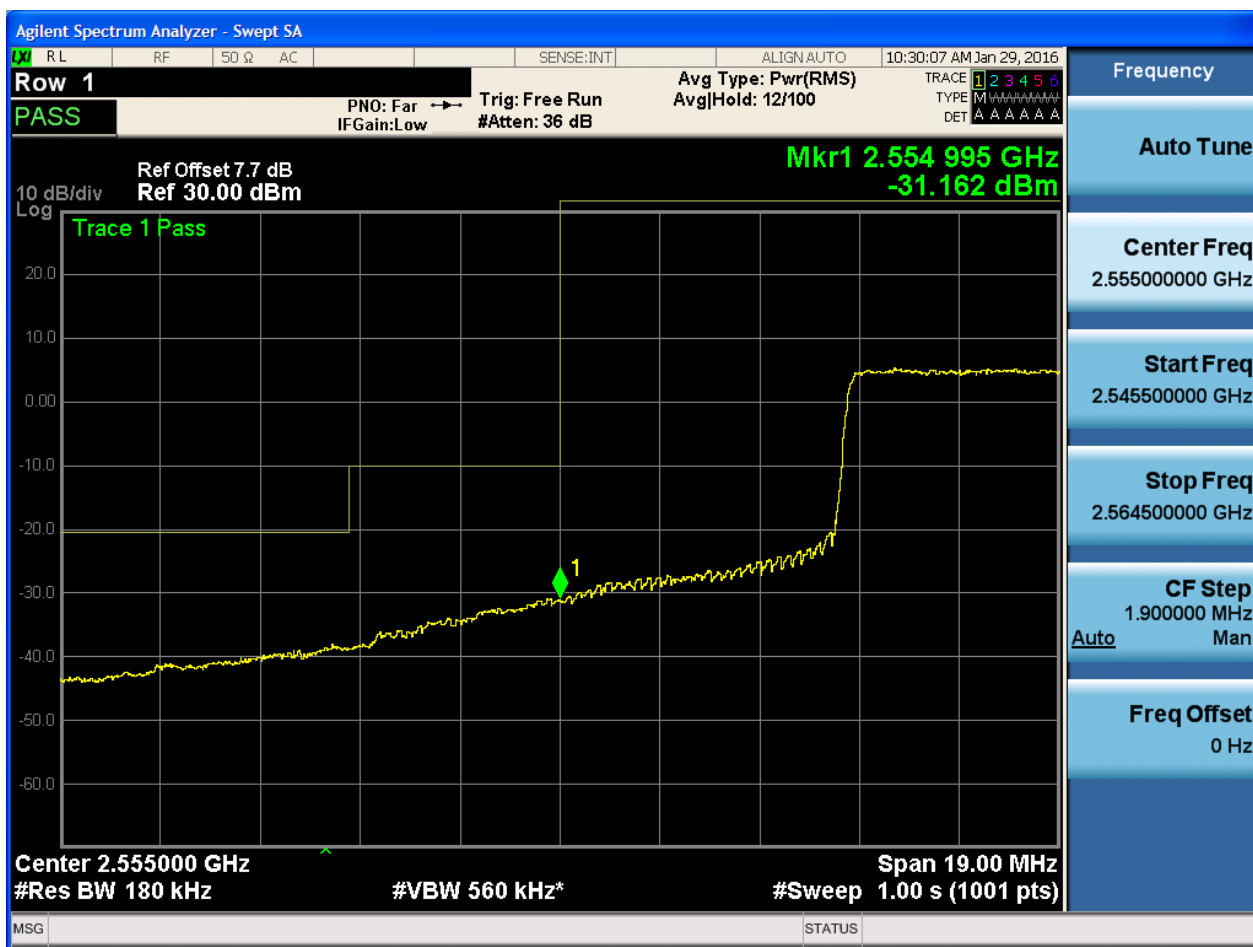


## 1.1.1.2.4.1.2 Test RB = RB1#99



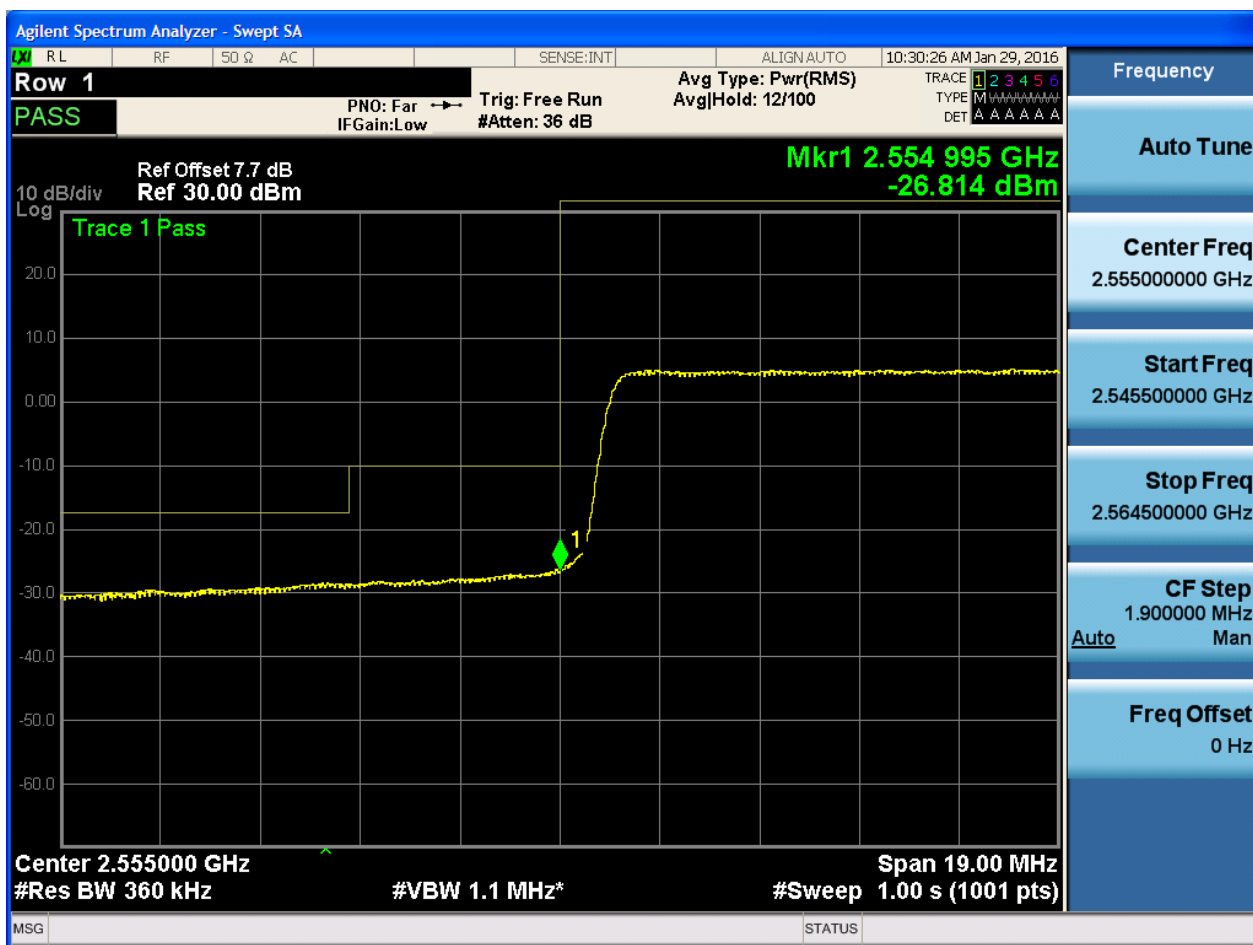


## 1.1.1.2.4.1.3 Test RB = RB50#25



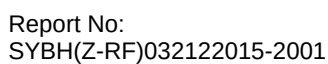


## 1.1.1.2.4.1.4 Test RB = RB100#0



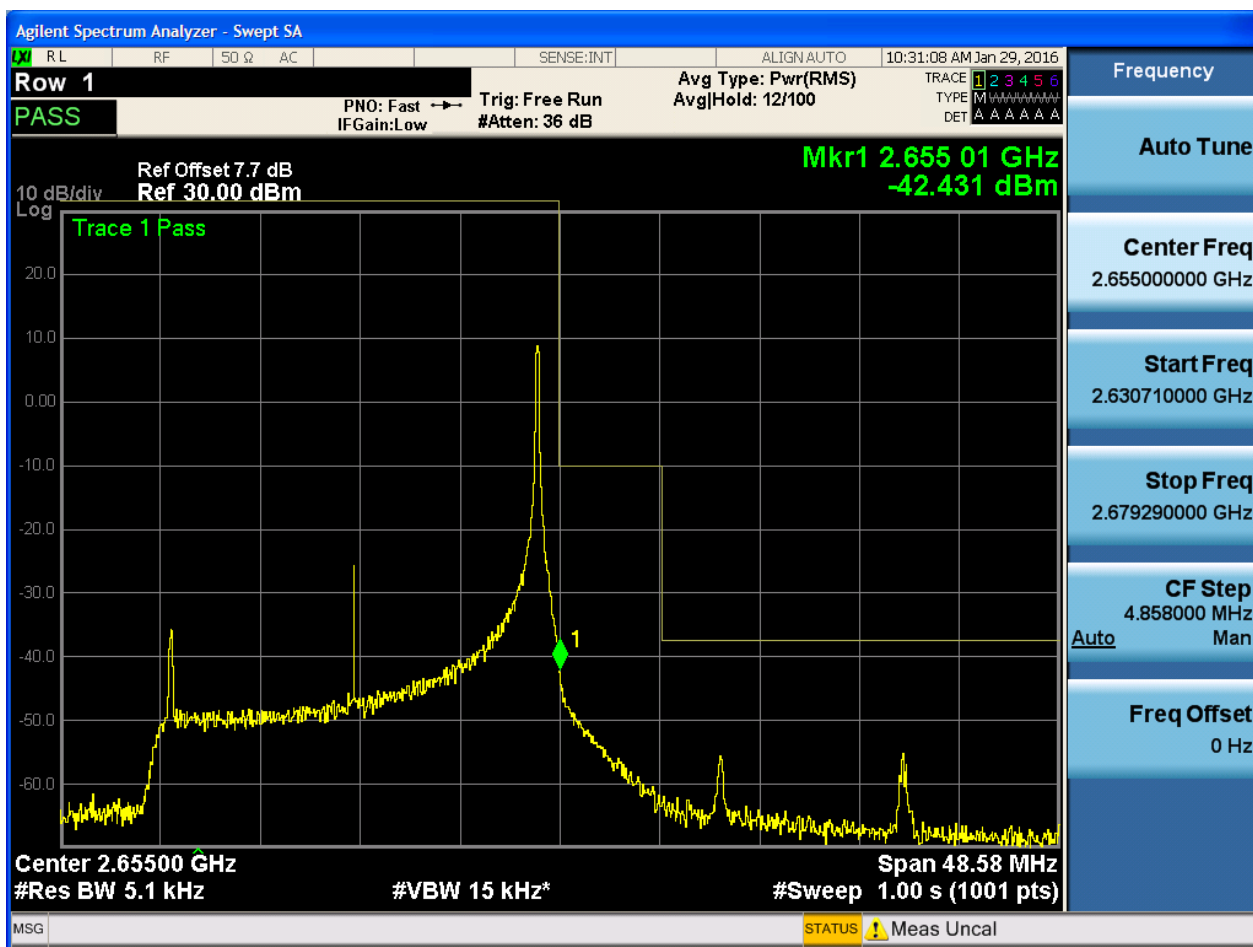


#### 1.1.1.2.4.2.1 Test RB = RB1#0



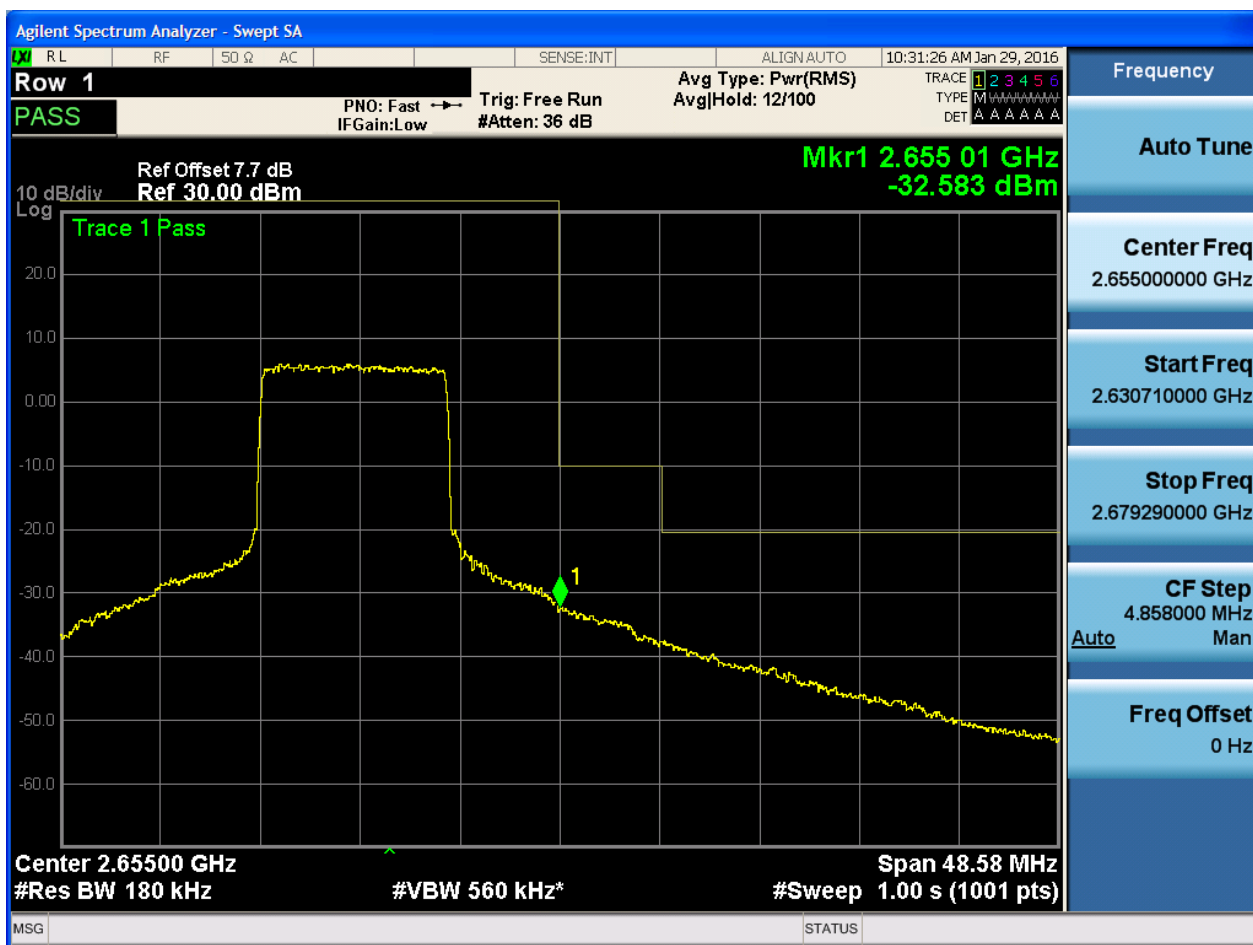


## 1.1.1.2.4.2.2 Test RB = RB1#99





## 1.1.1.2.4.2.3 Test RB = RB50#25





## 1.1.1.2.4.2.4 Test RB = RB100#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

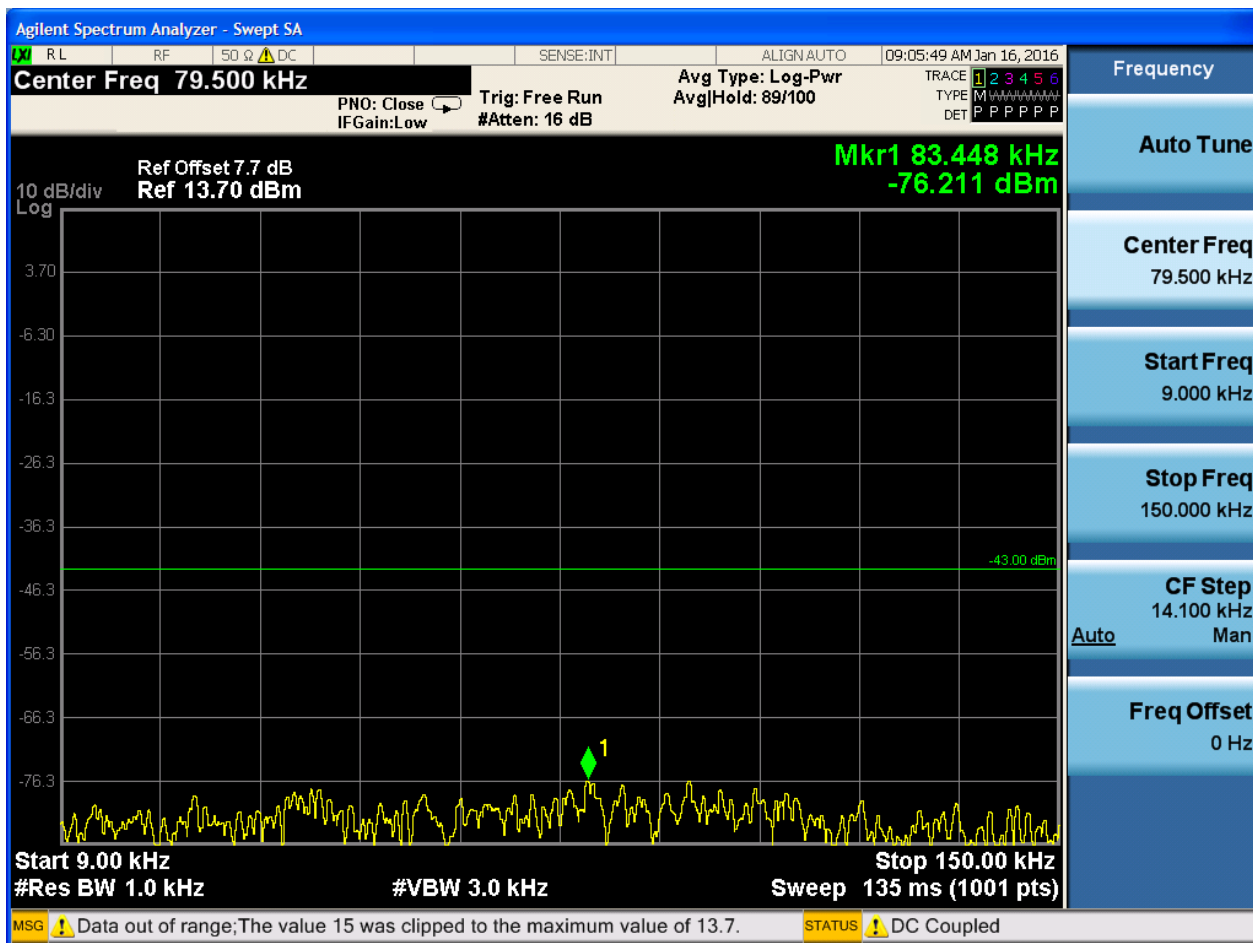
##### 6.1.1 Test Band = BAND41

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

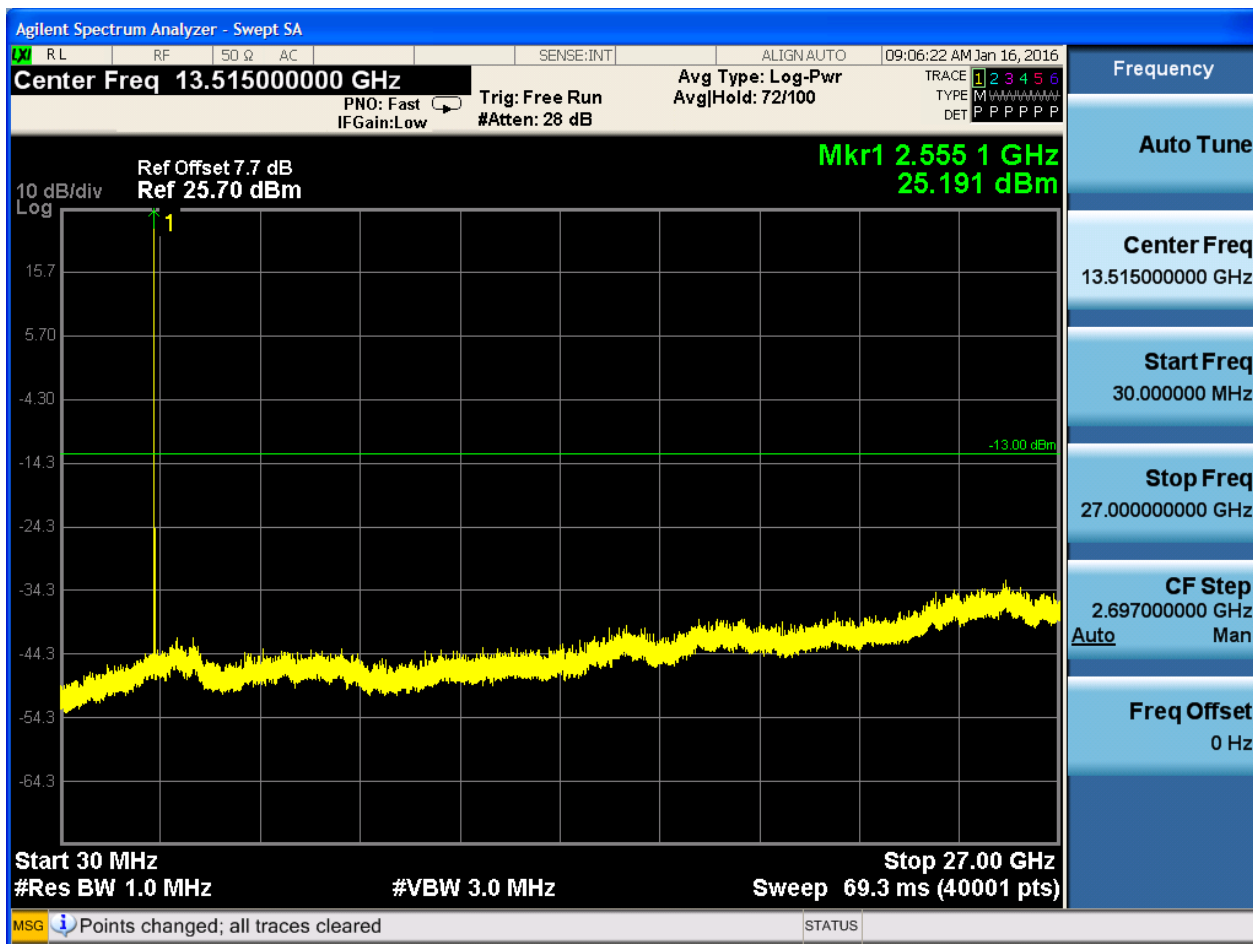
##### 6.1.1.1.1 Test Bandwidth = 5

##### 6.1.1.1.1.1 Test Channel = LCH

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

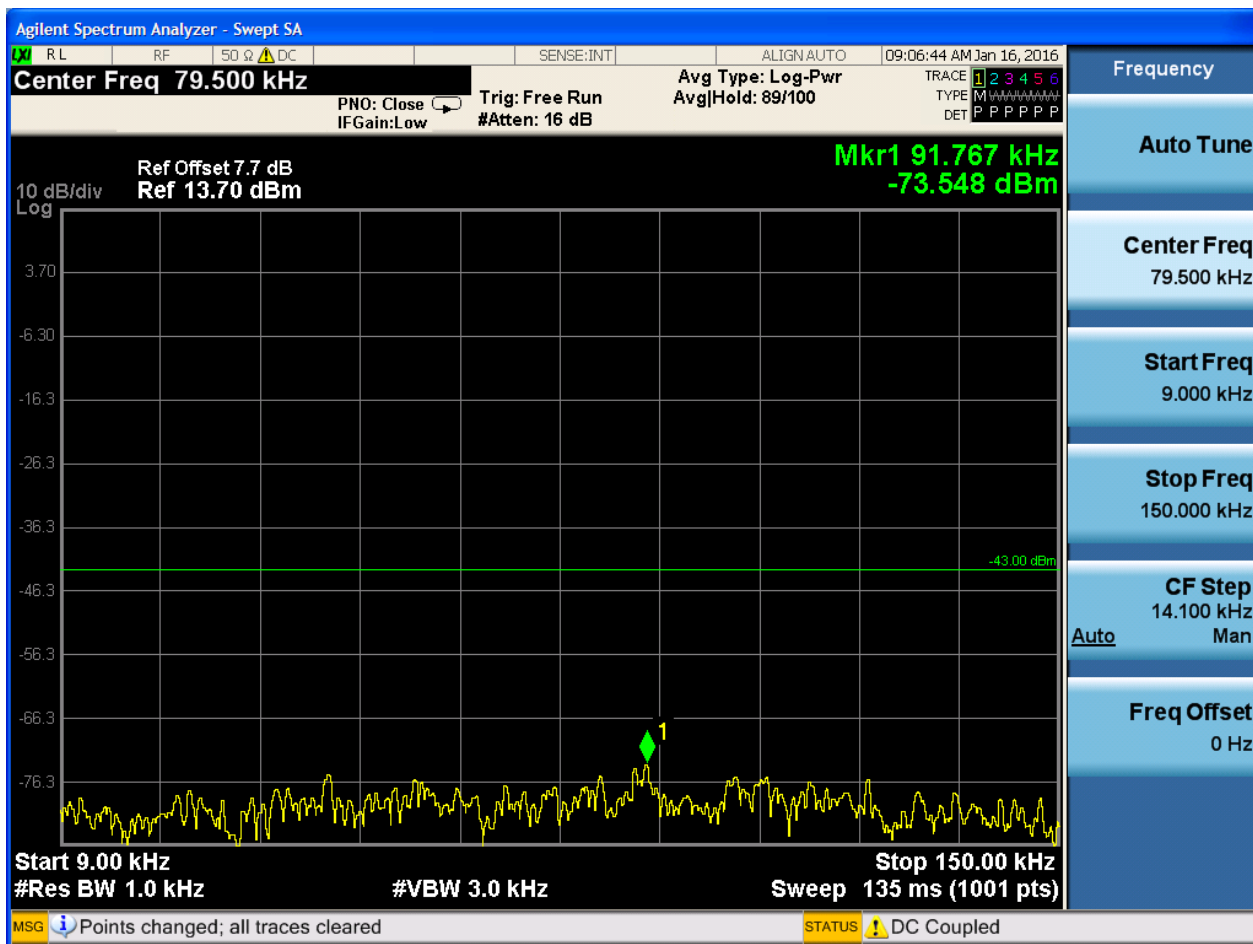


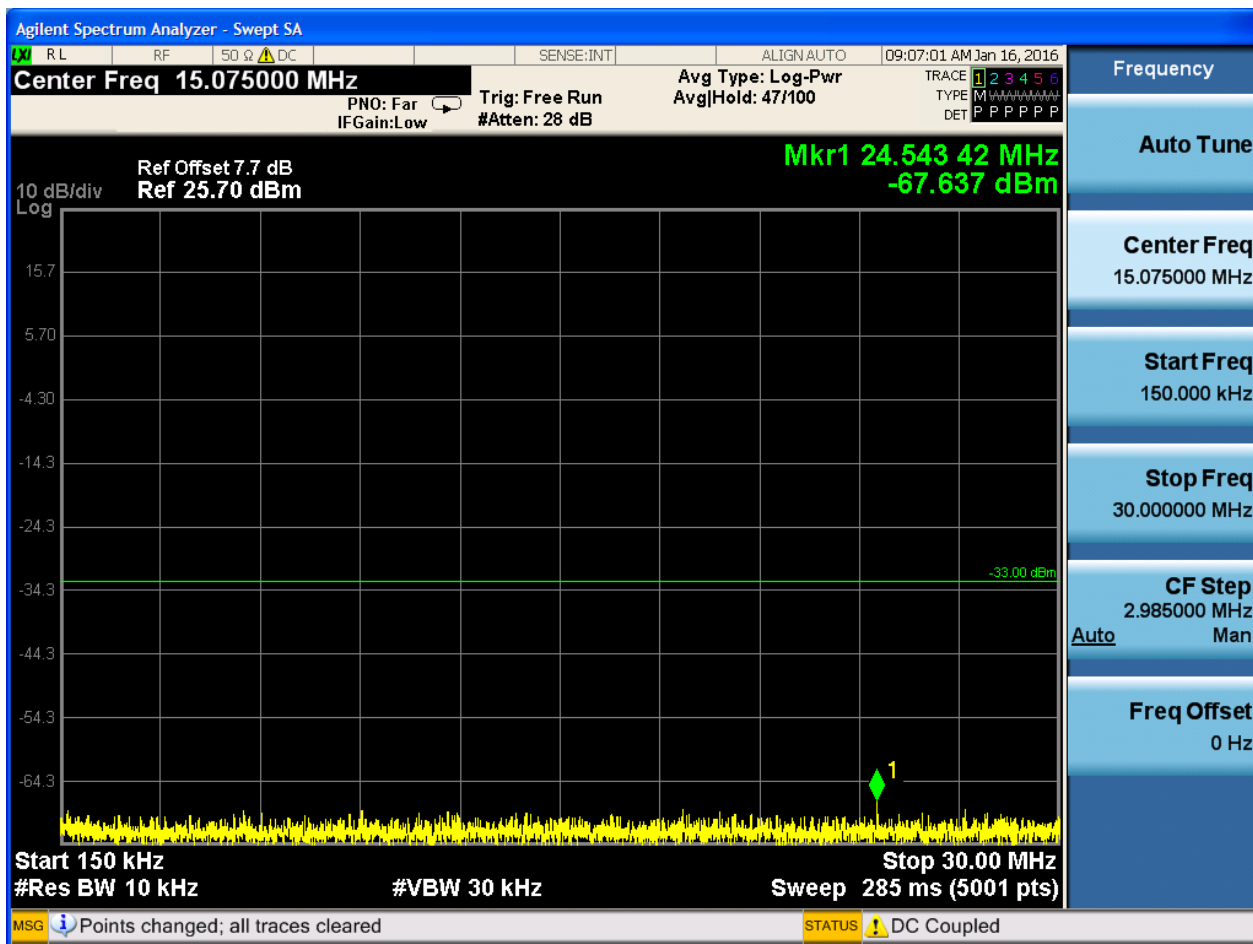


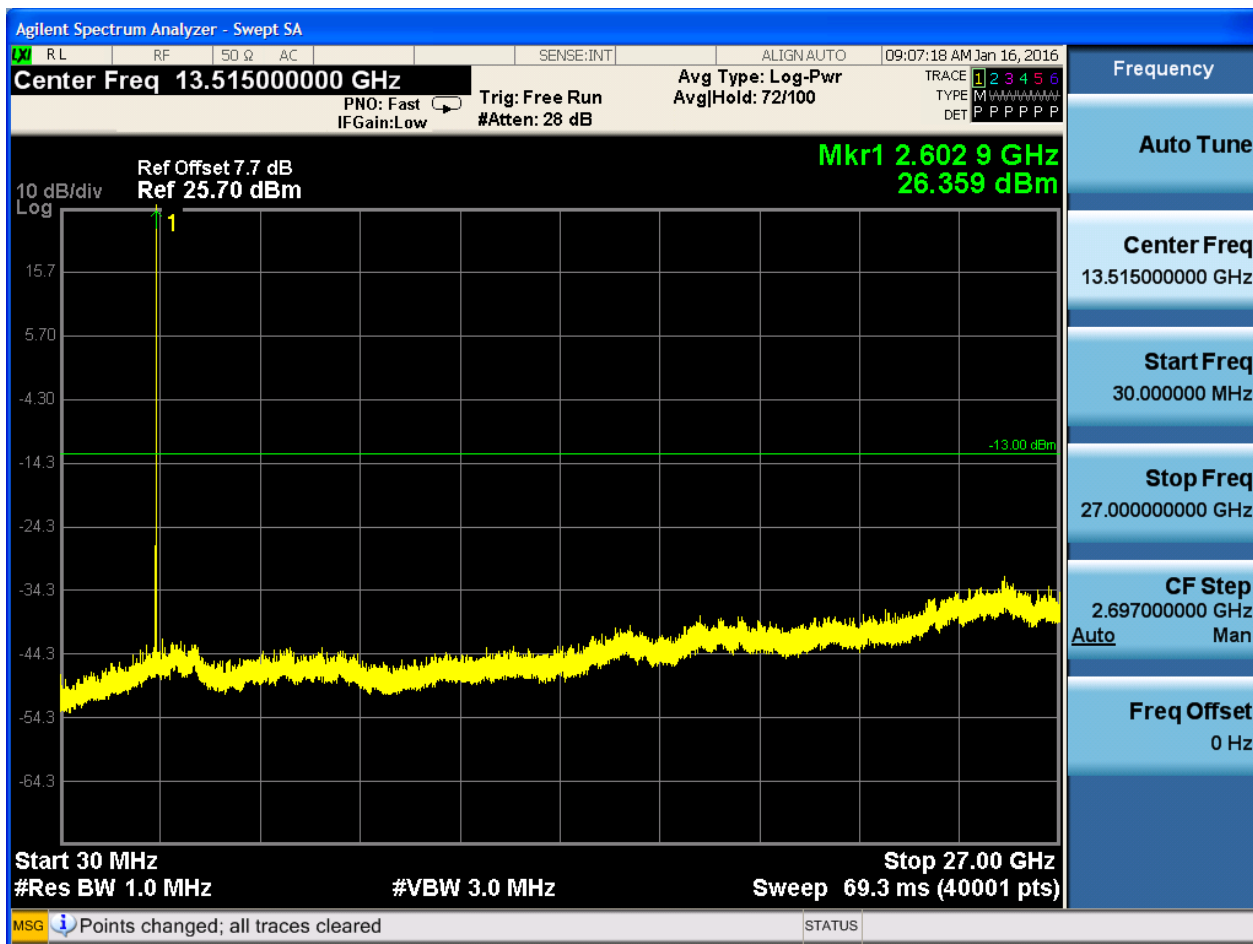


### 6.1.1.1.1.2 Test Channel = MCH

#### 6.1.1.1.1.2.1 Test RB = RB1#0

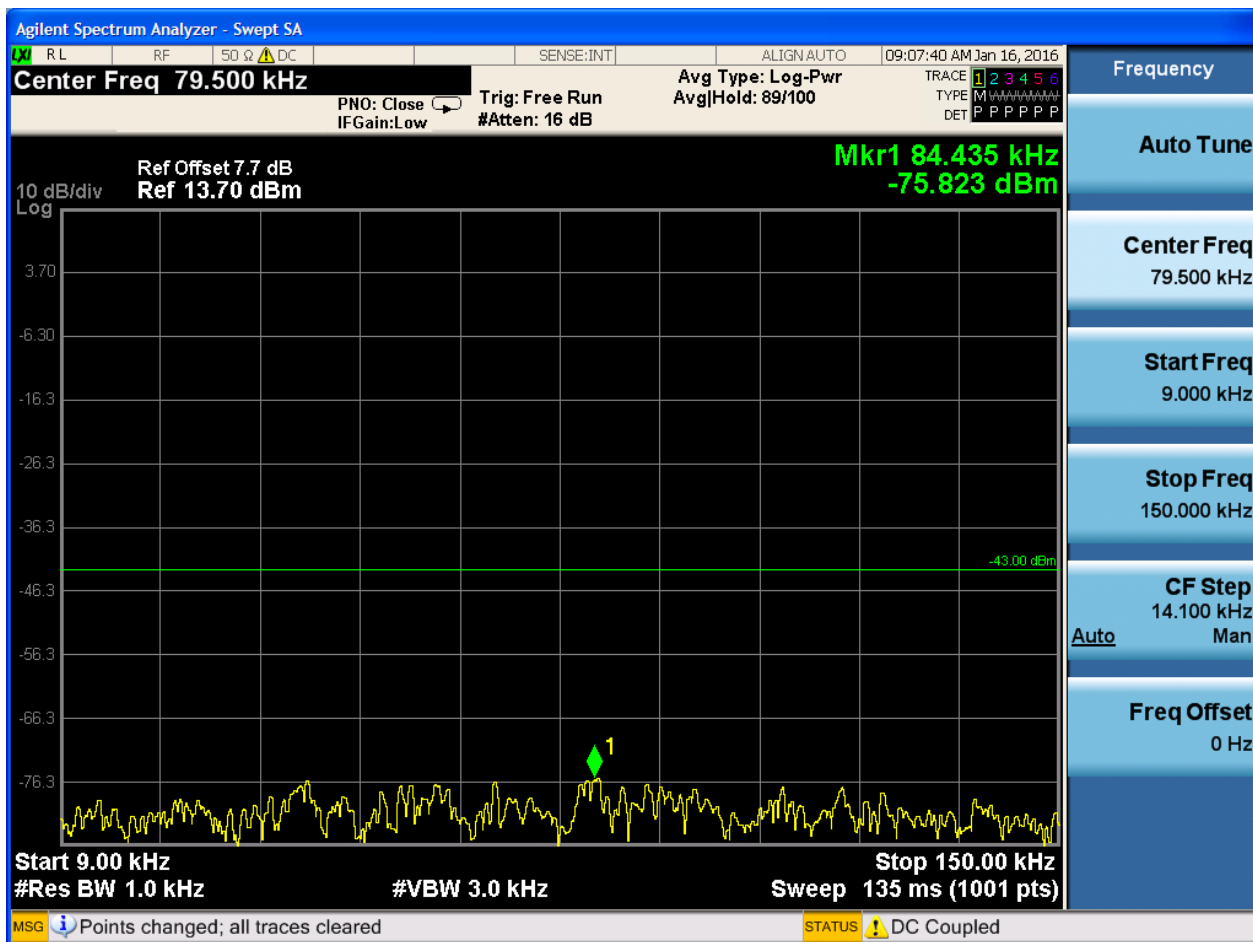


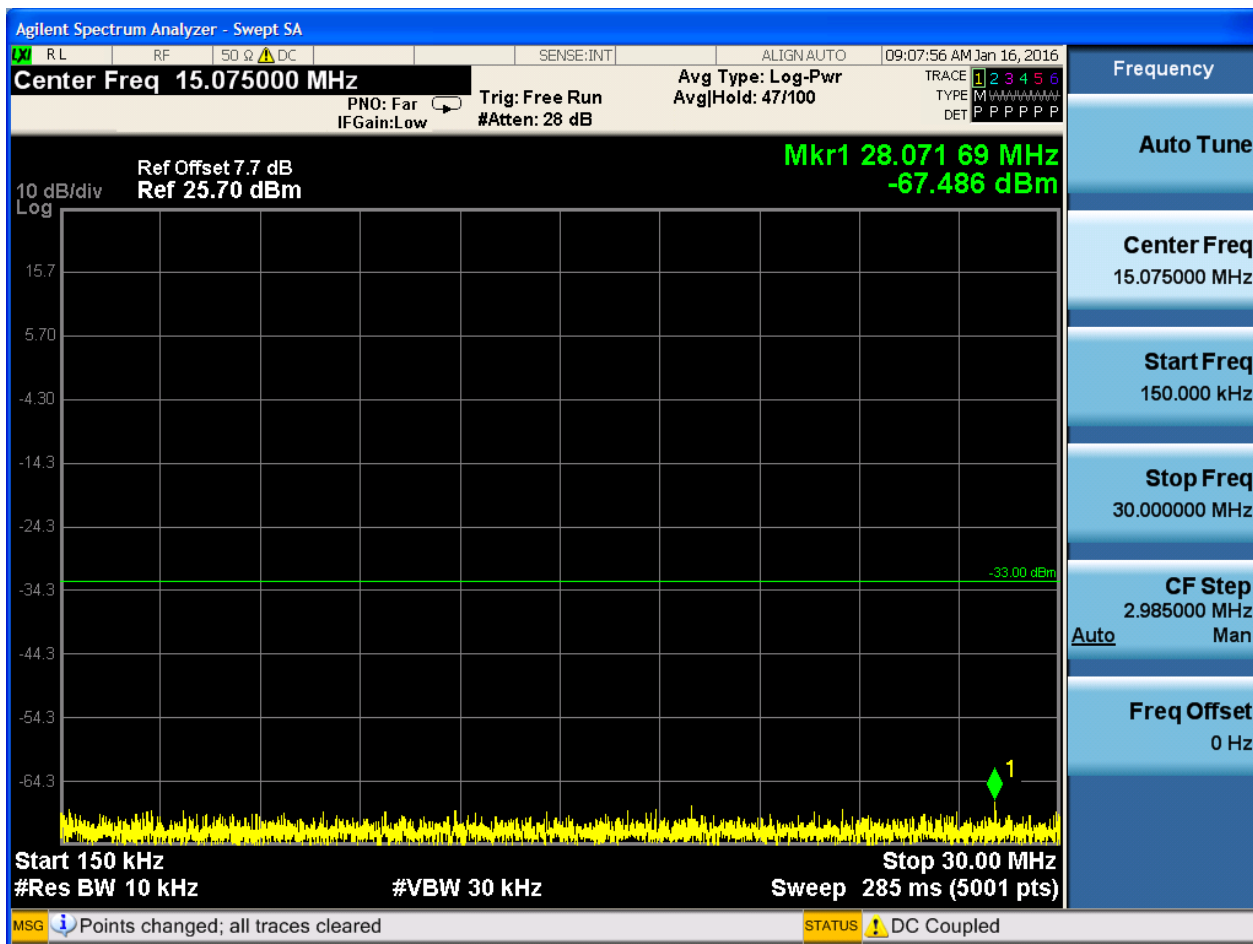


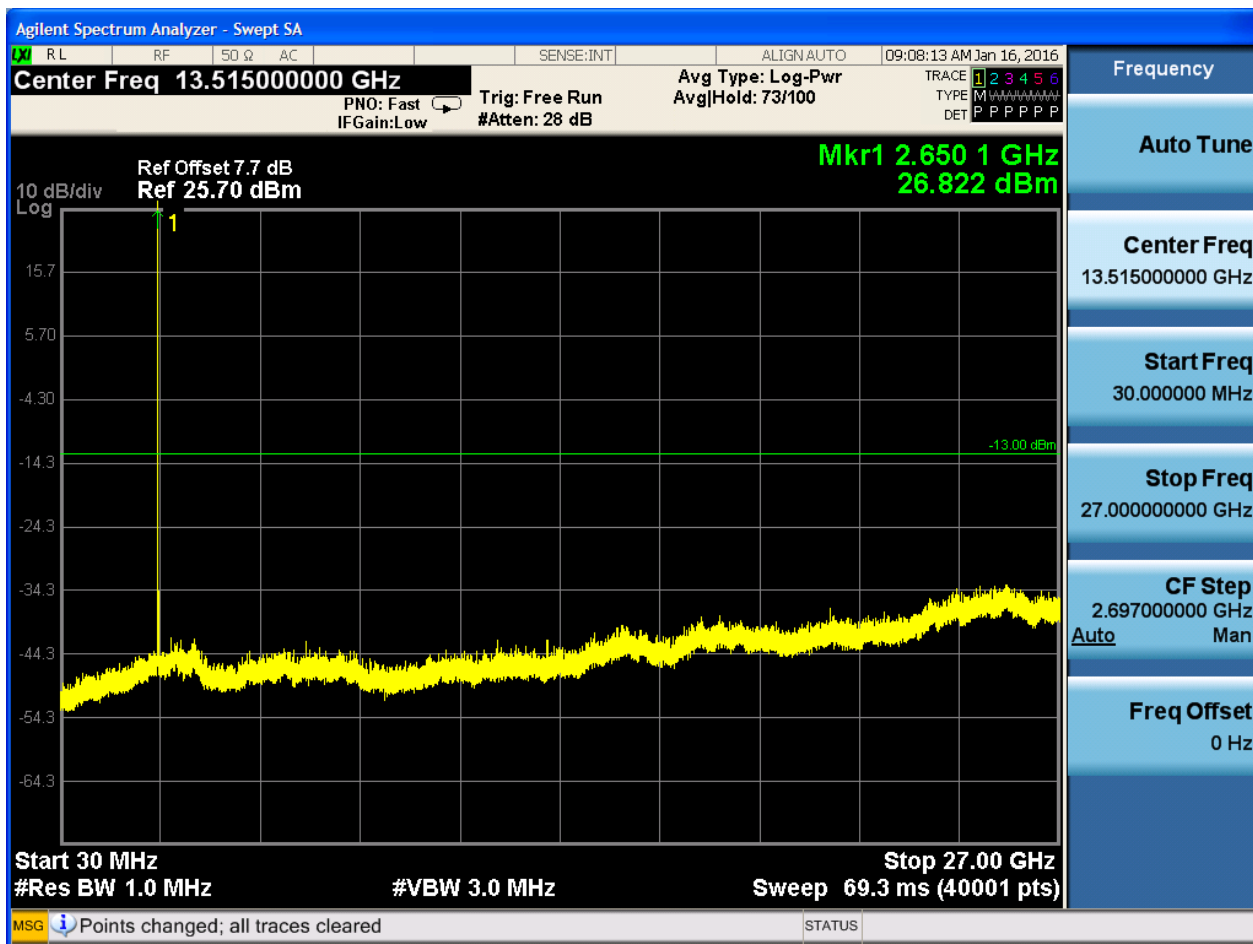


### 6.1.1.1.1.3 Test Channel = HCH

#### 6.1.1.1.1.3.1 Test RB = RB1#0



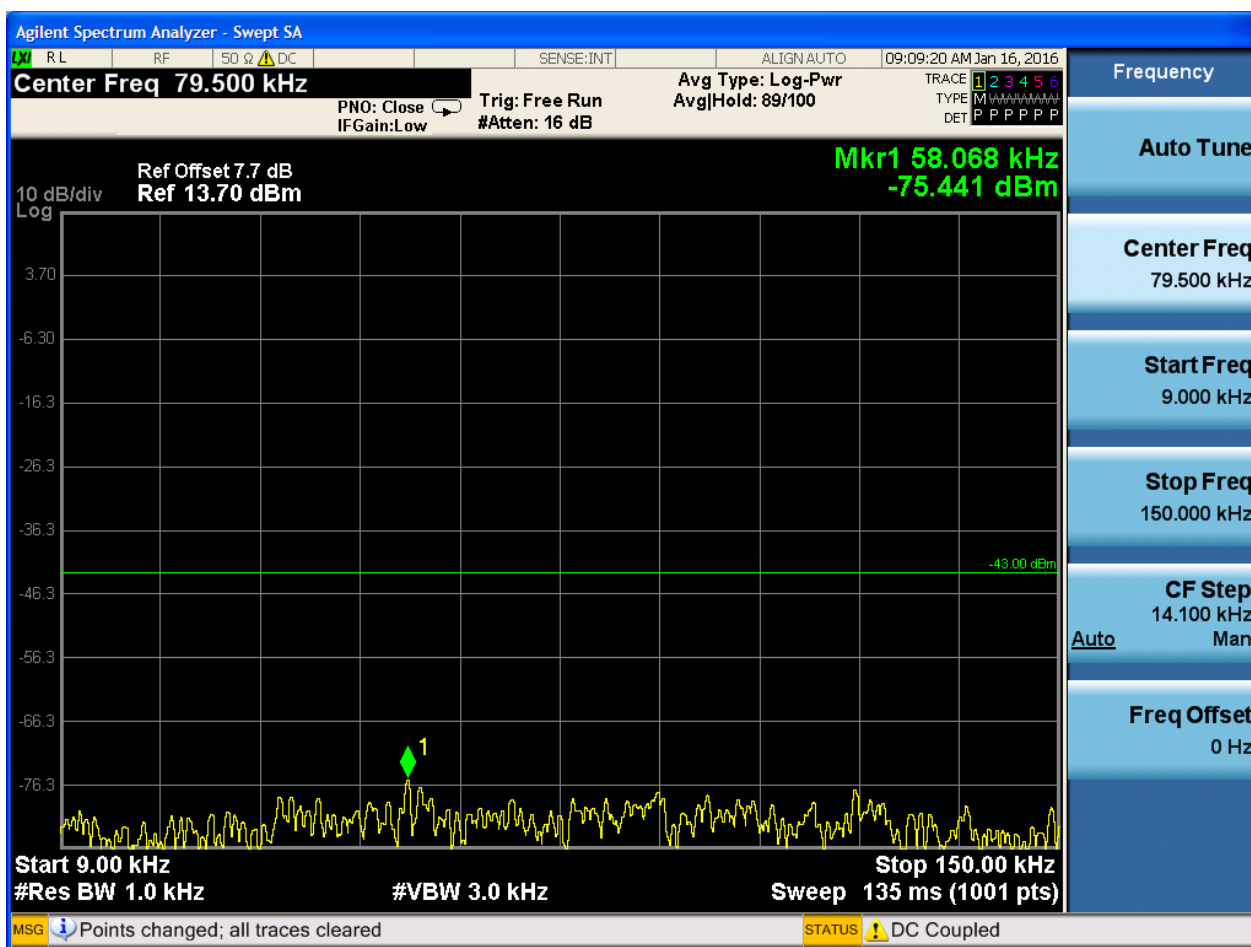


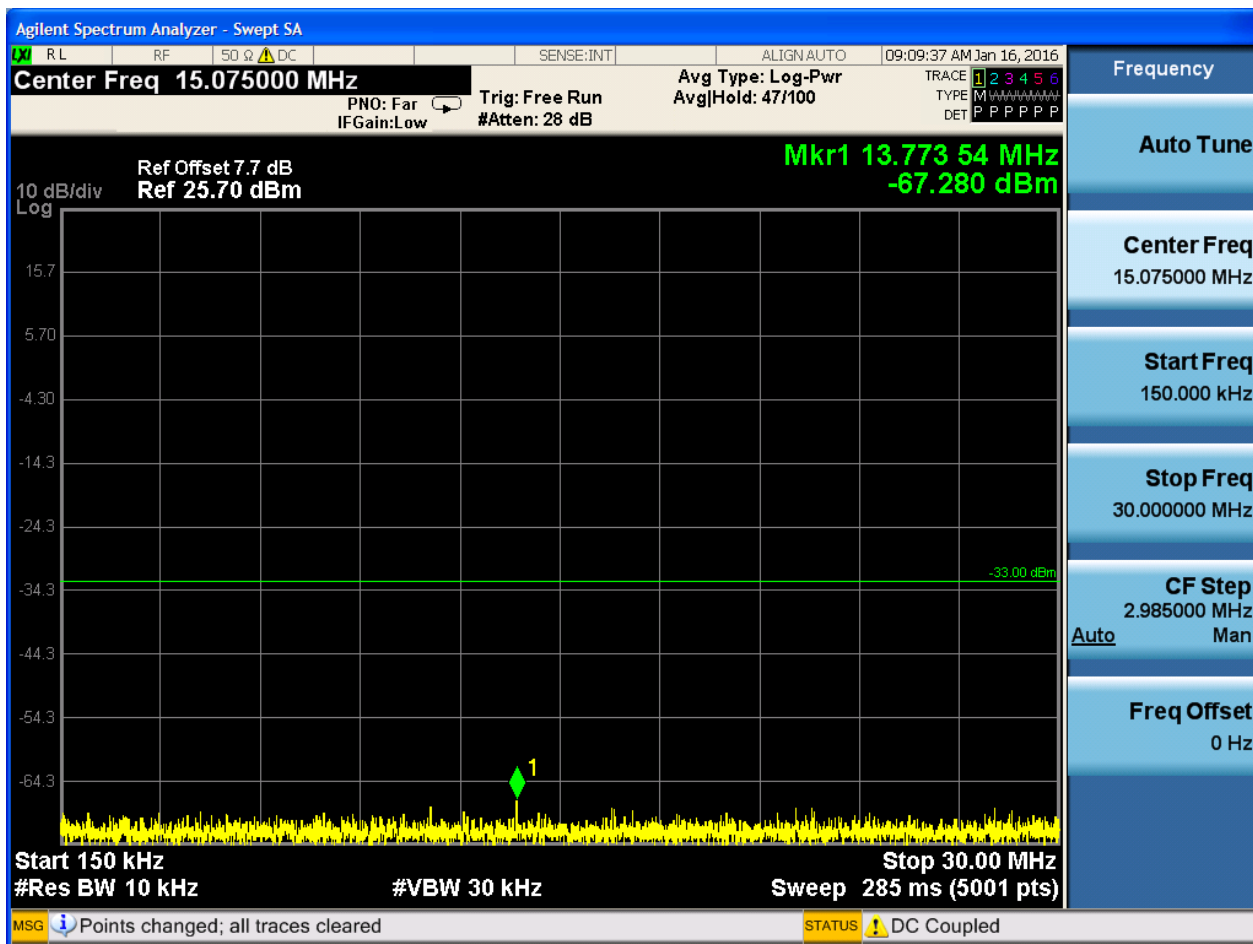


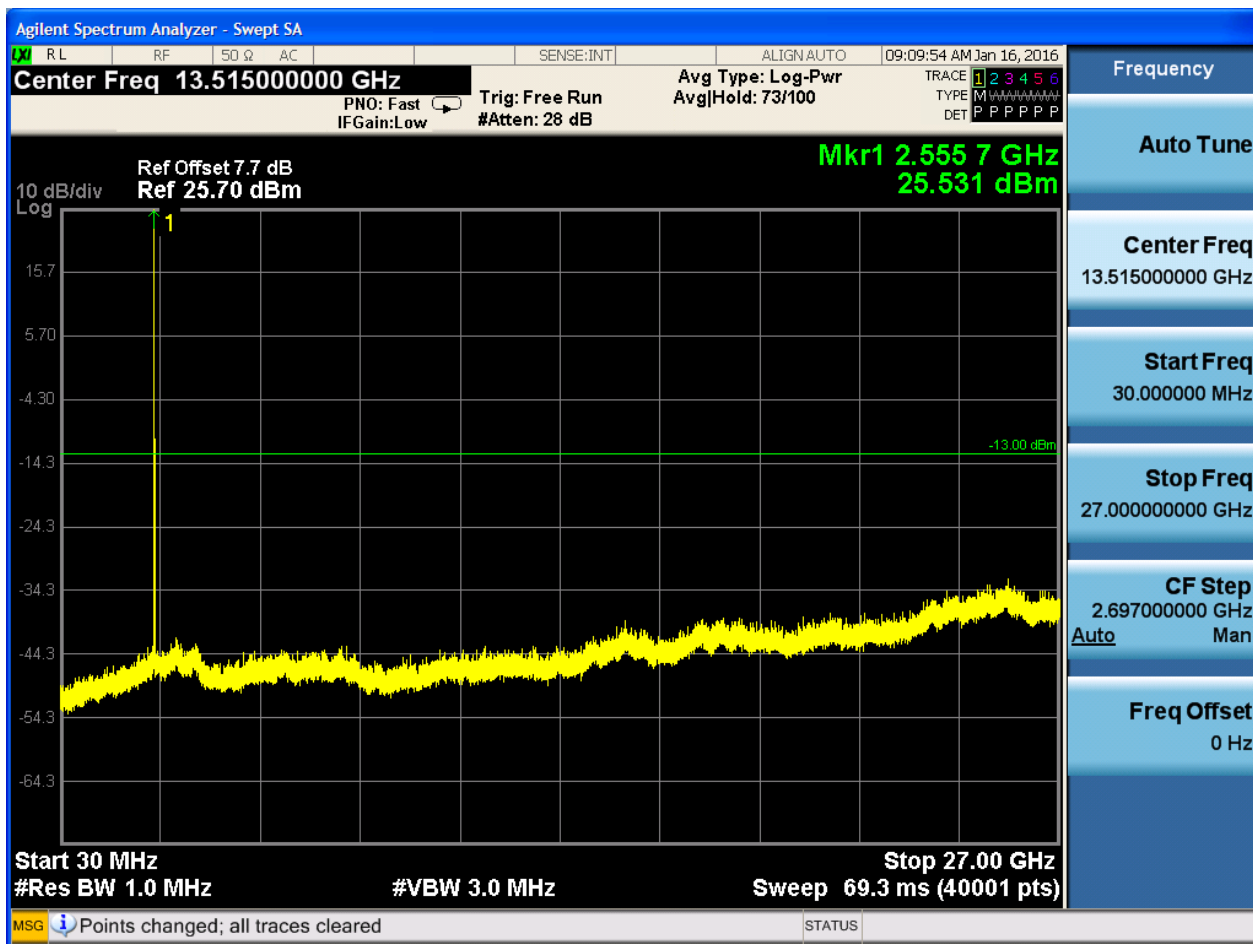
### 6.1.1.1.2 Test Bandwidth = 10

#### 6.1.1.1.2.1 Test Channel = LCH

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

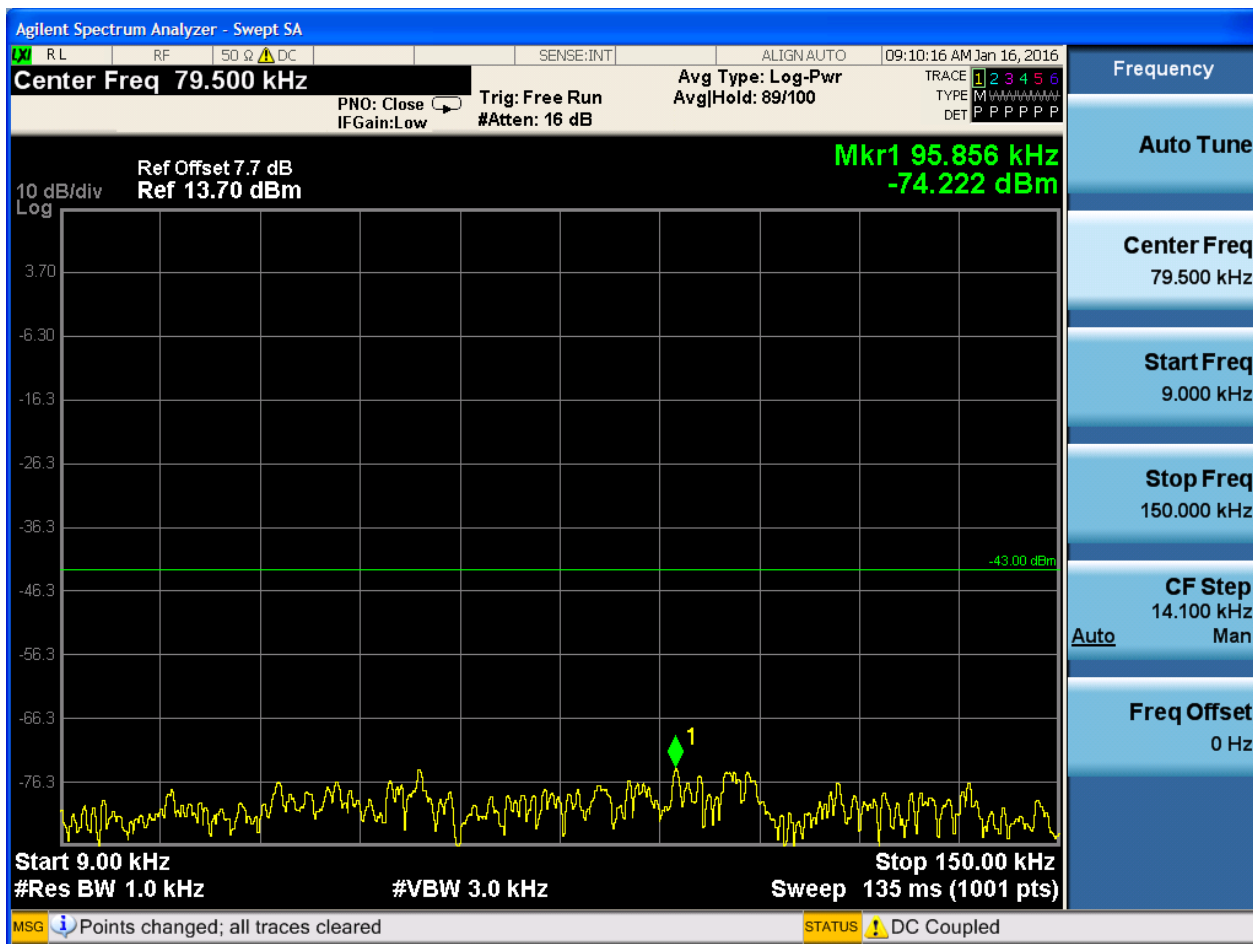




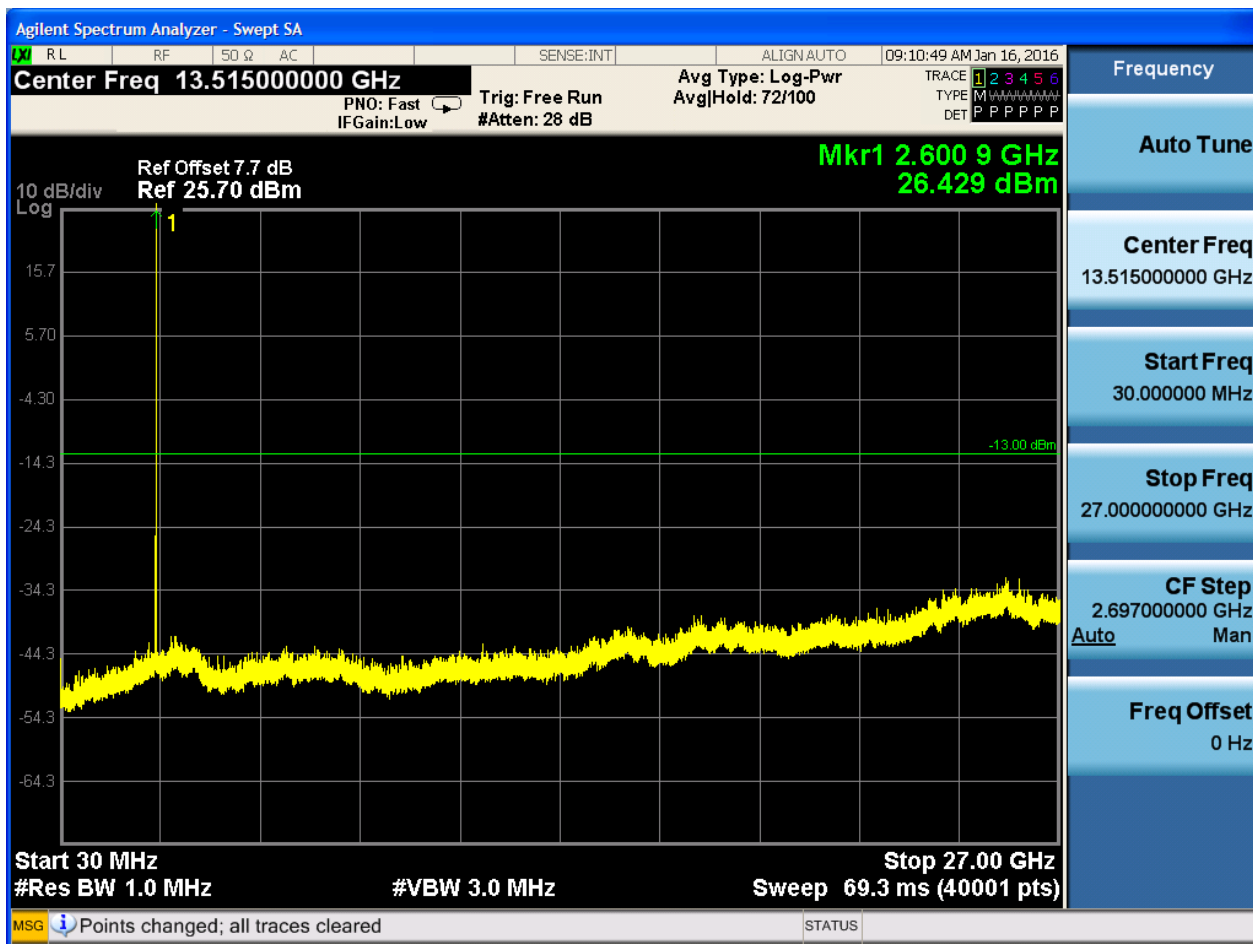


### 6.1.1.1.2.2 Test Channel = MCH

#### 6.1.1.1.2.2.1 Test RB = RB1#0

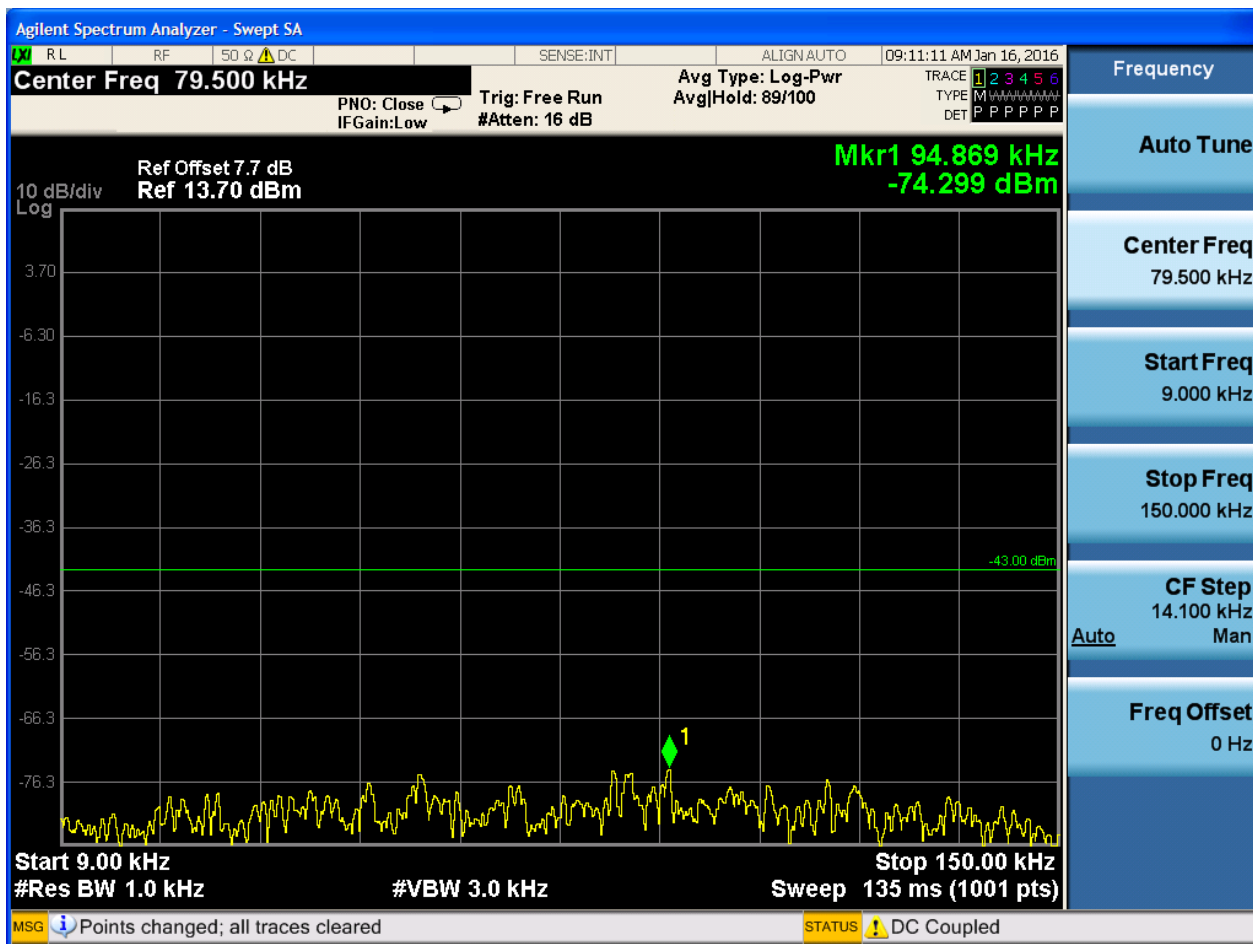


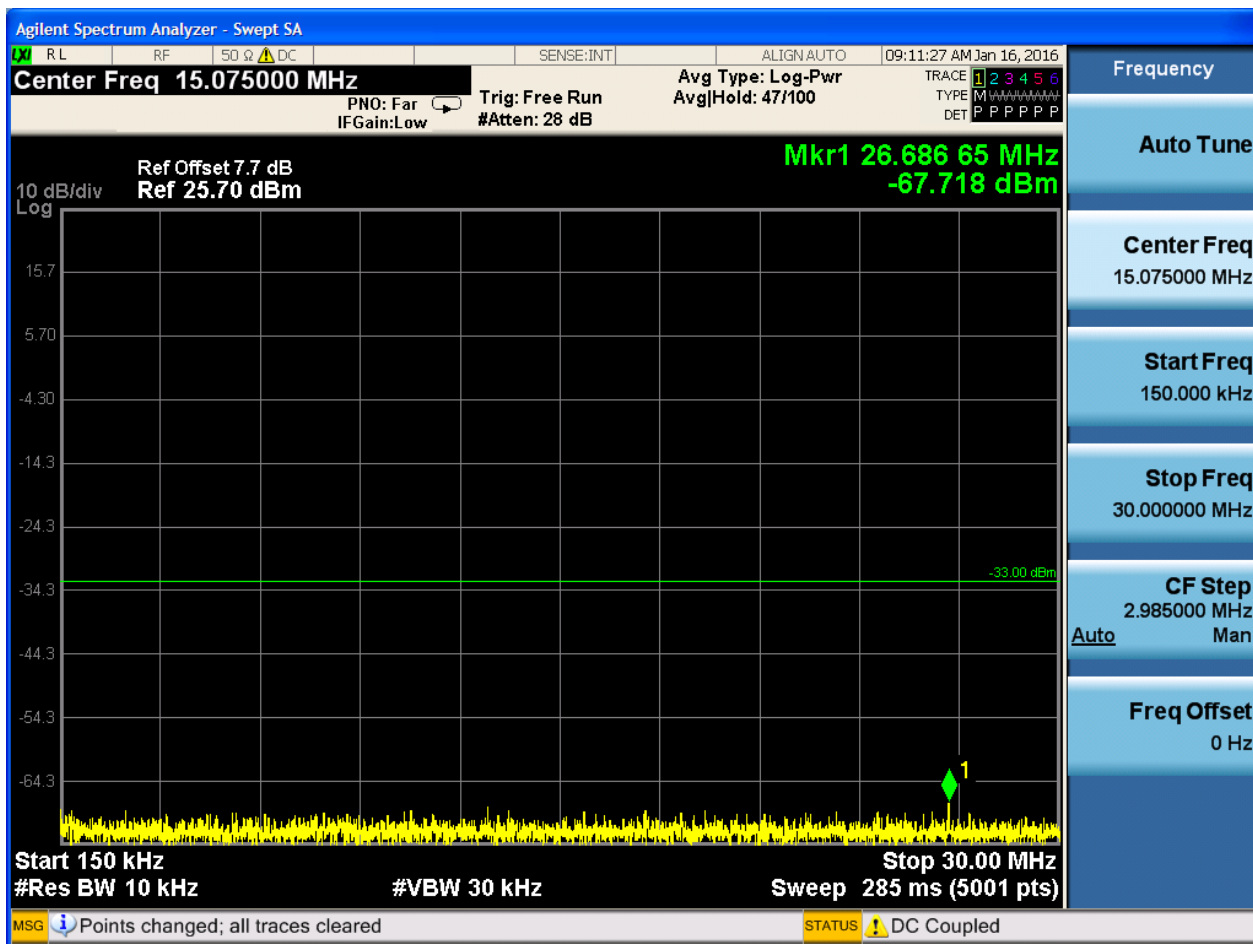


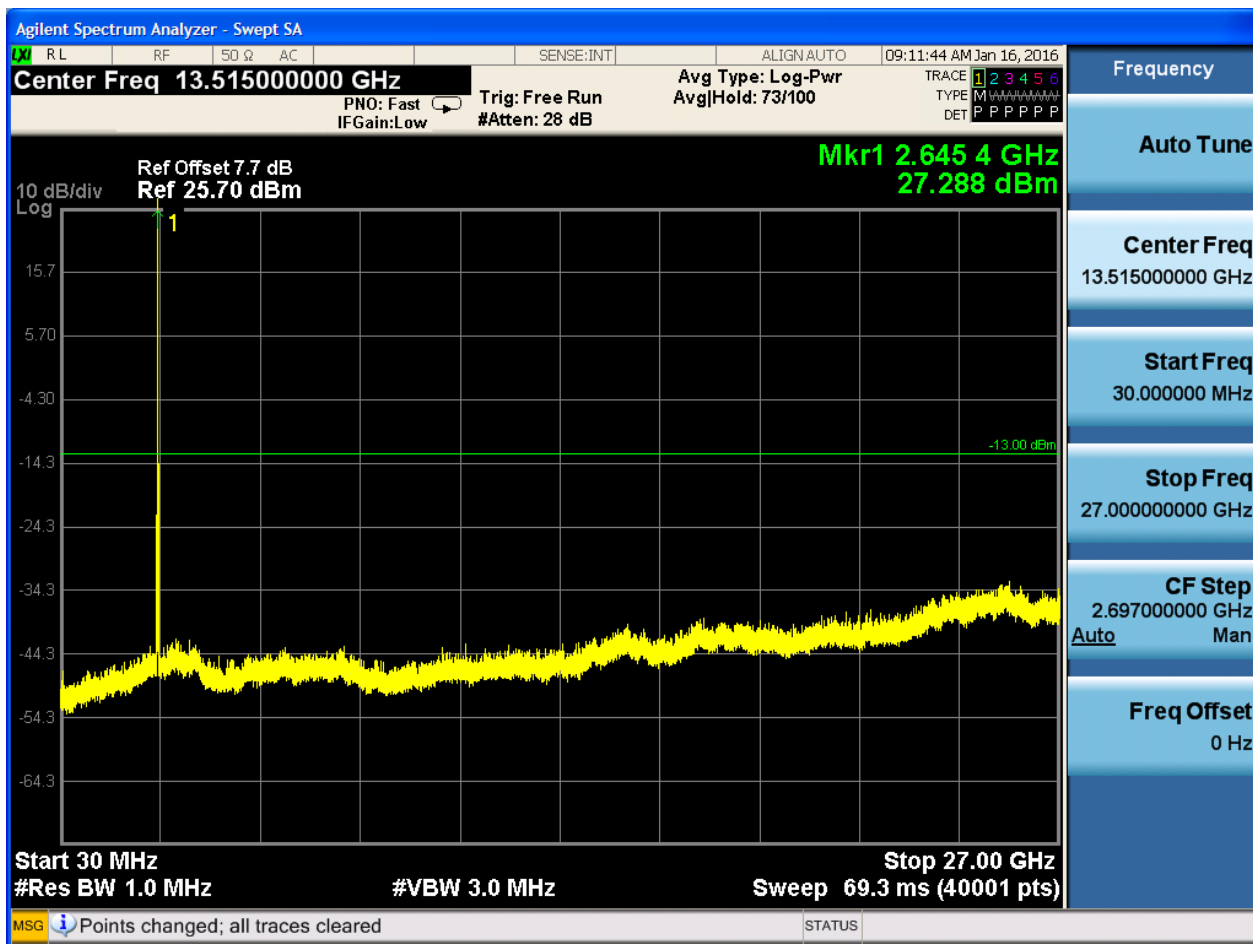


### 6.1.1.1.2.3 Test Channel = HCH

#### 6.1.1.1.2.3.1 Test RB = RB1#0



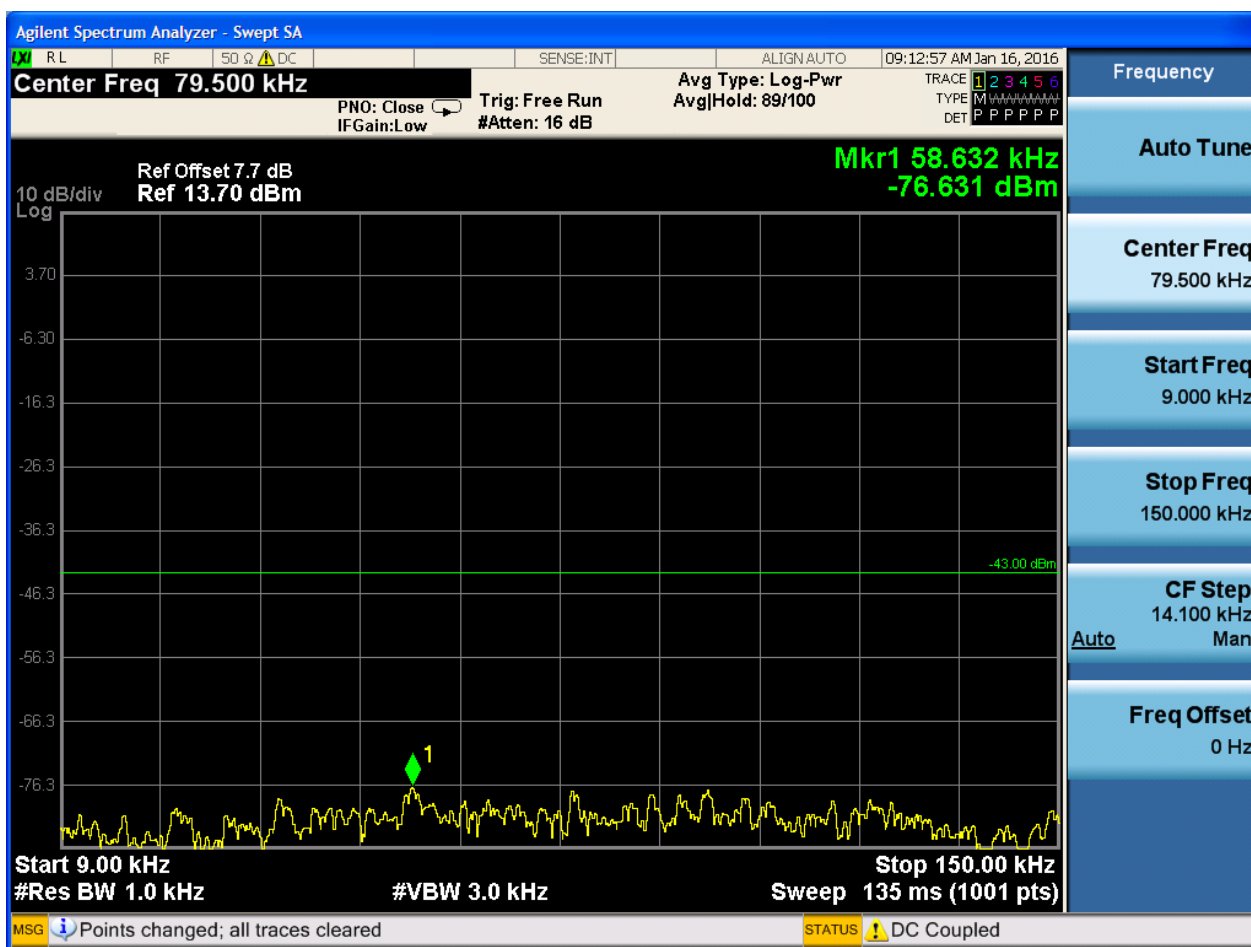


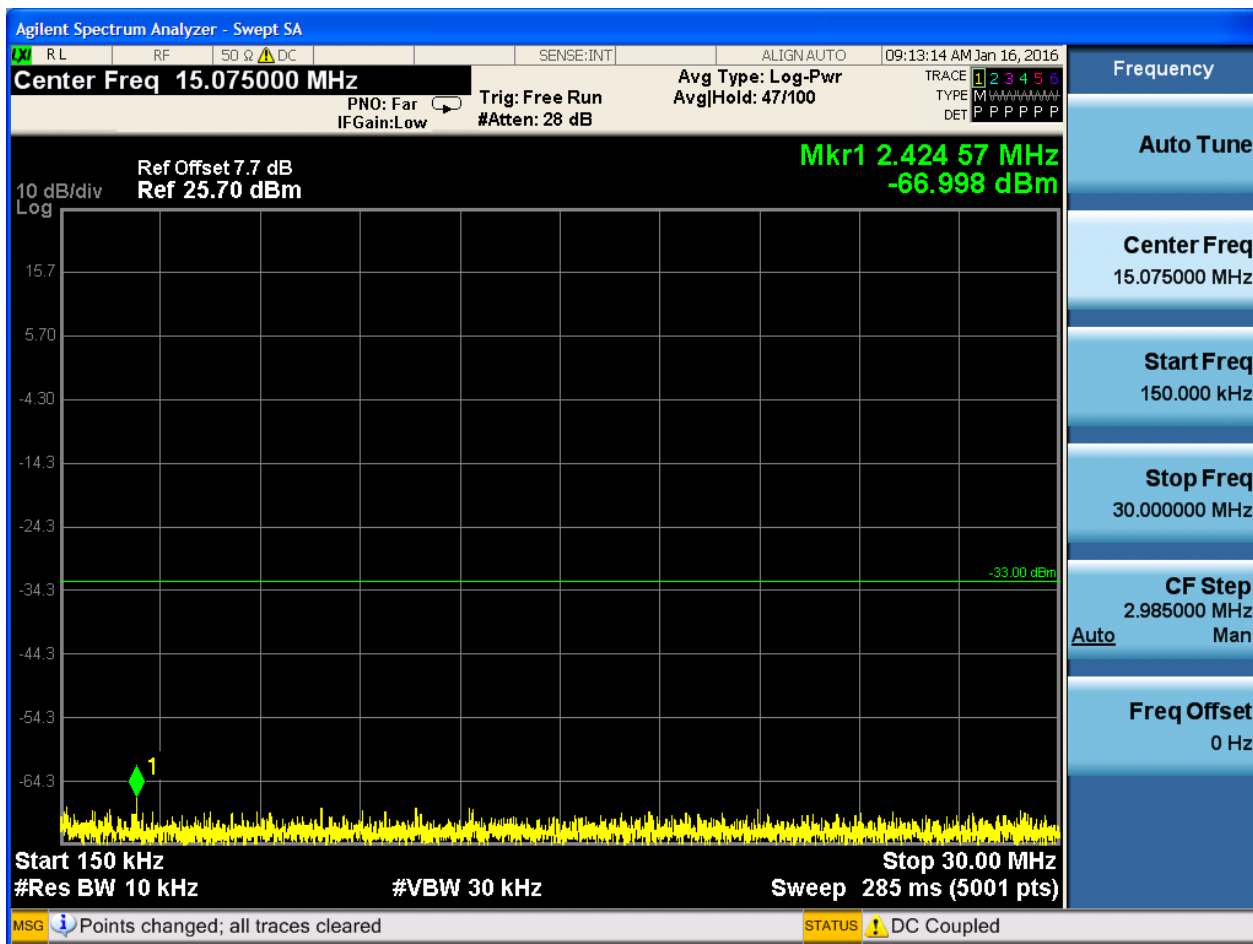


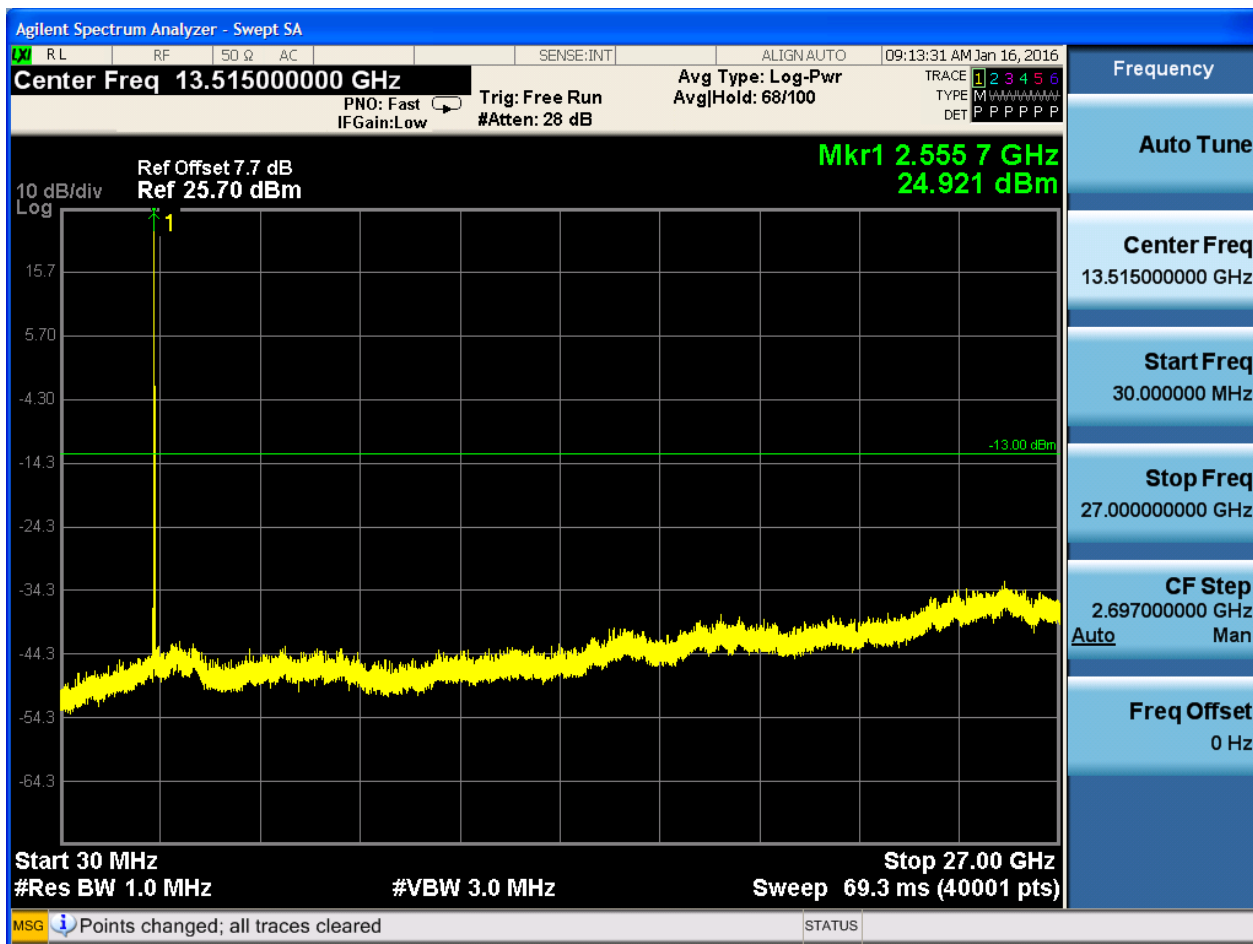
### 6.1.1.1.3 Test Bandwidth = 15

#### 6.1.1.1.3.1 Test Channel = LCH

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

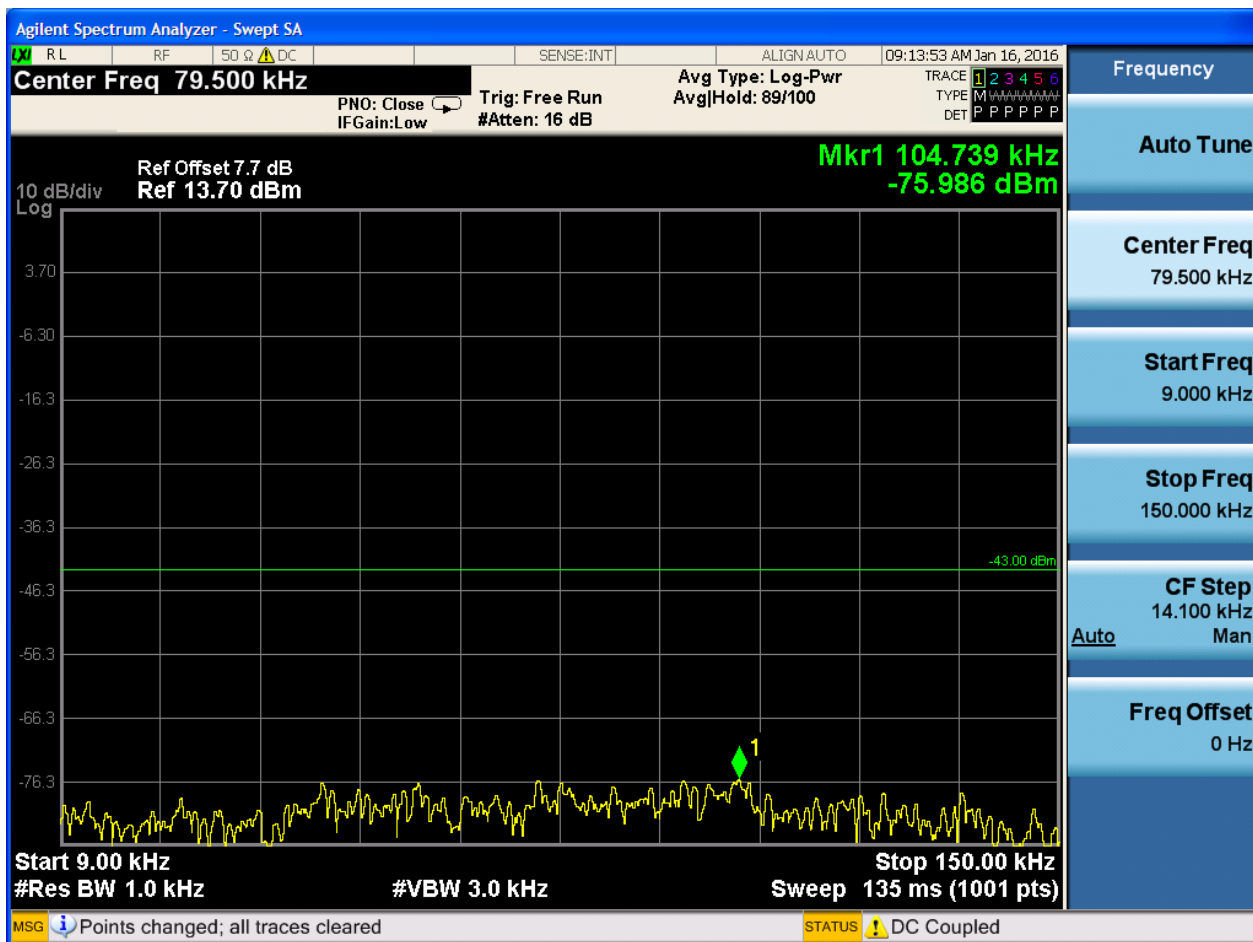


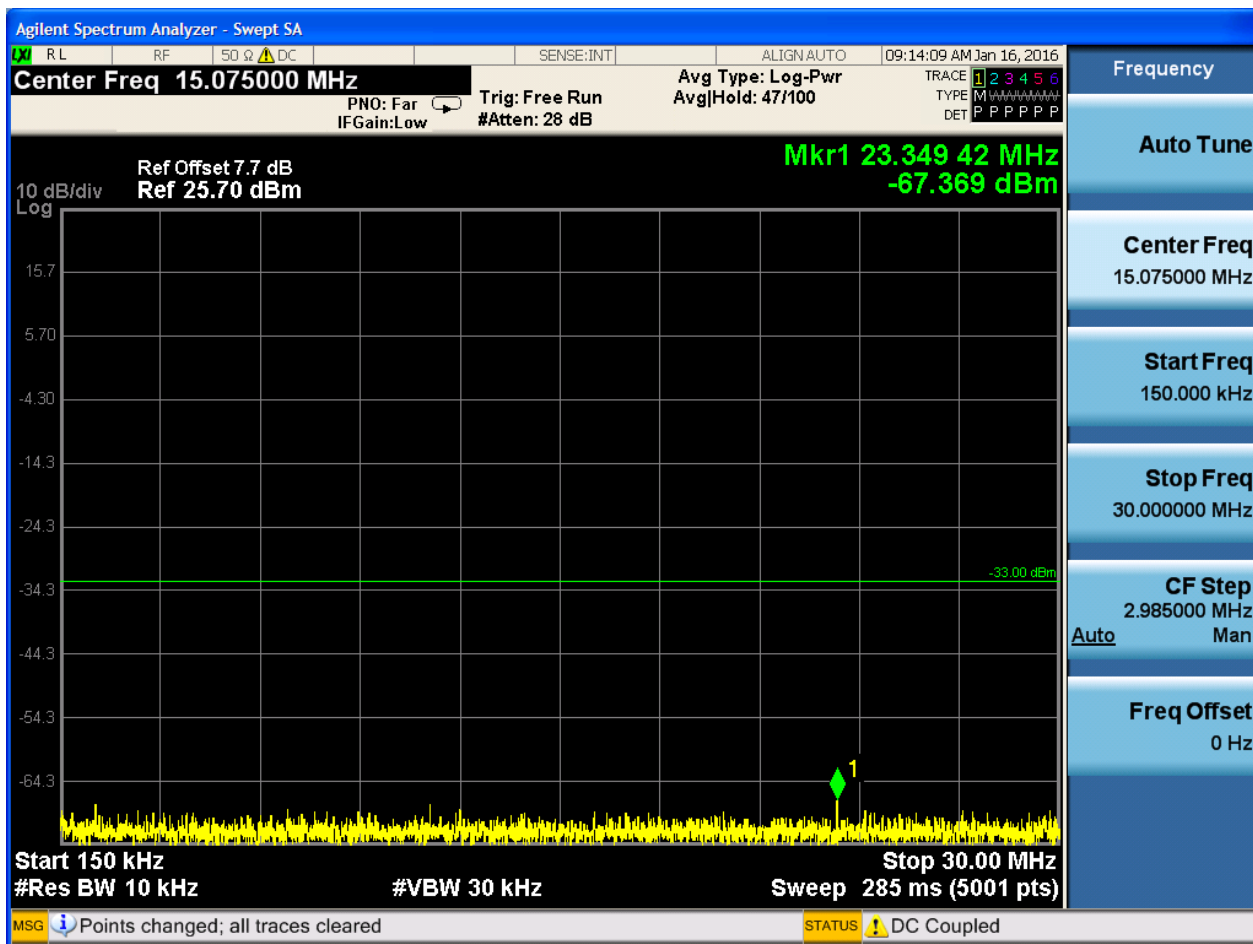


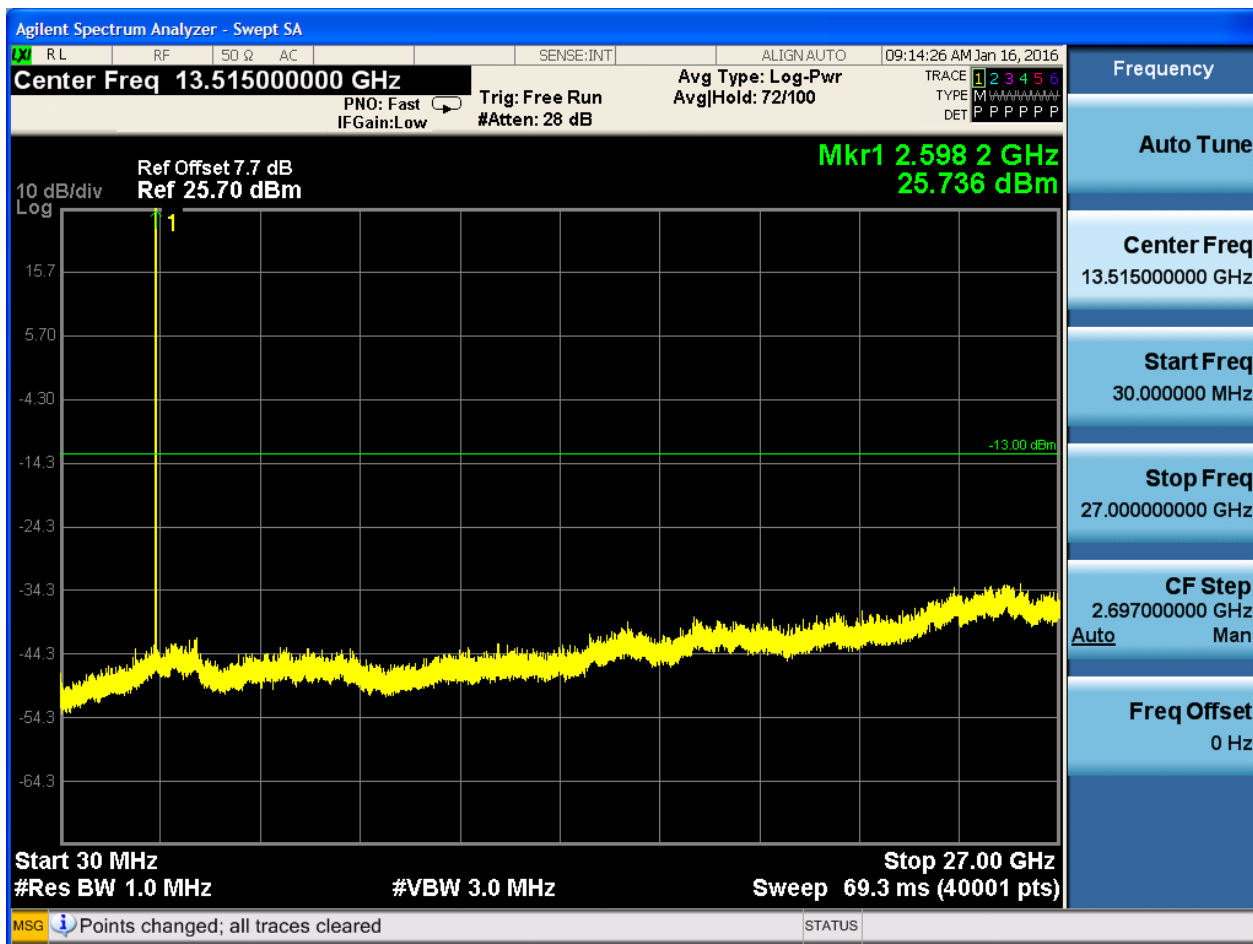


### 6.1.1.1.3.2 Test Channel = MCH

#### 6.1.1.1.3.2.1 Test RB = RB1#0

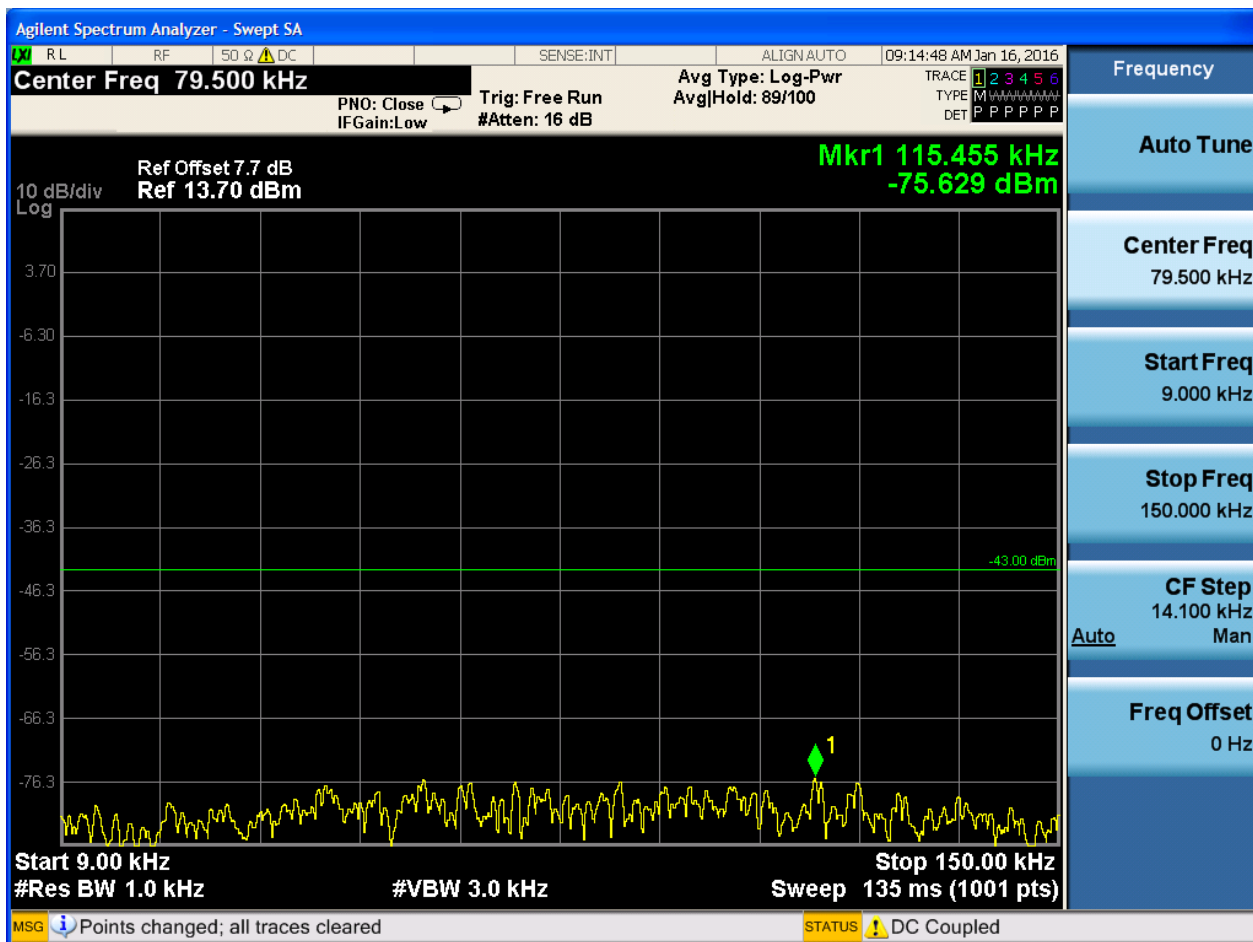


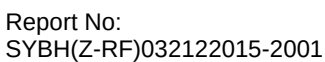


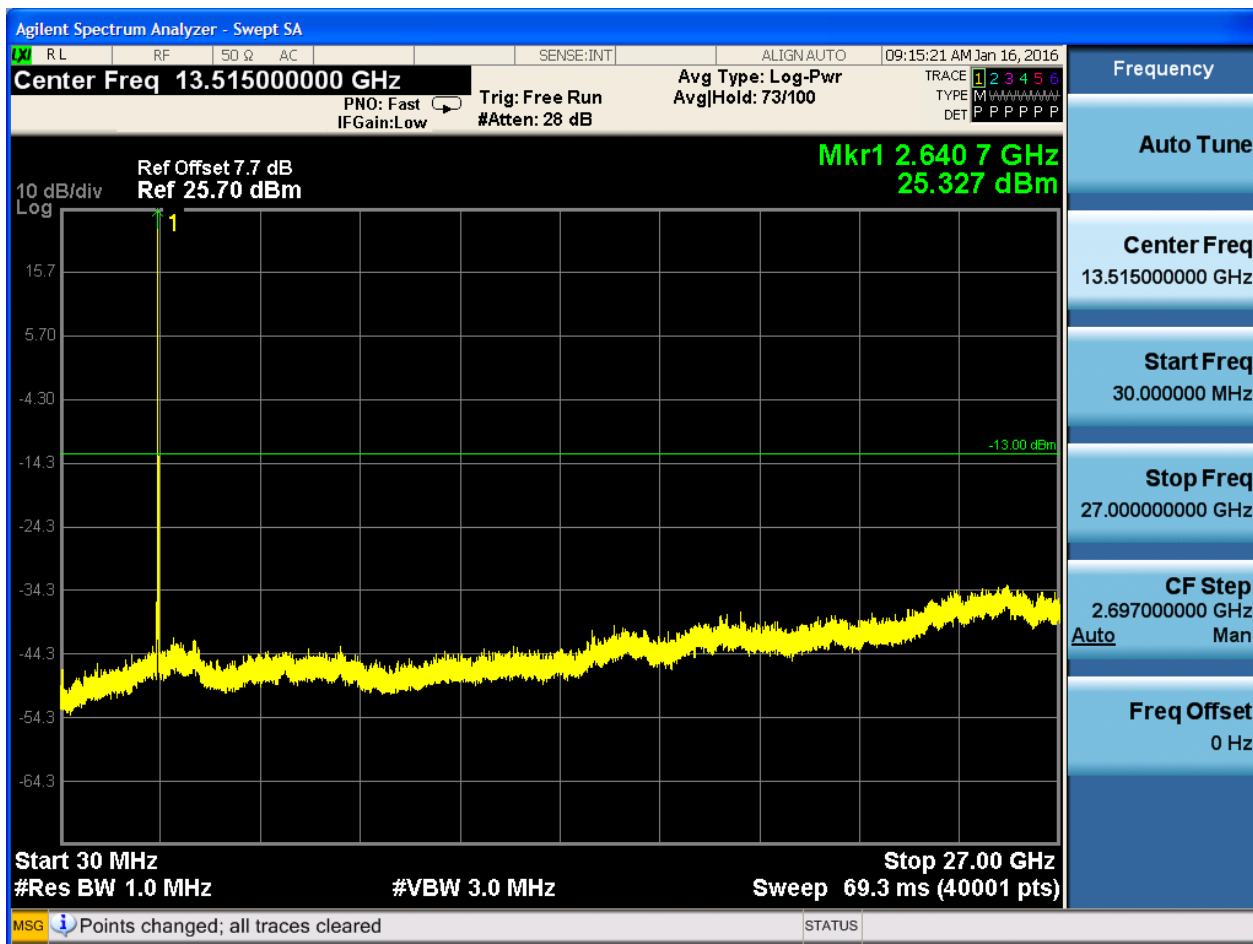


### 6.1.1.1.3.3 Test Channel = HCH

#### 6.1.1.1.3.3.1 Test RB = RB1#0



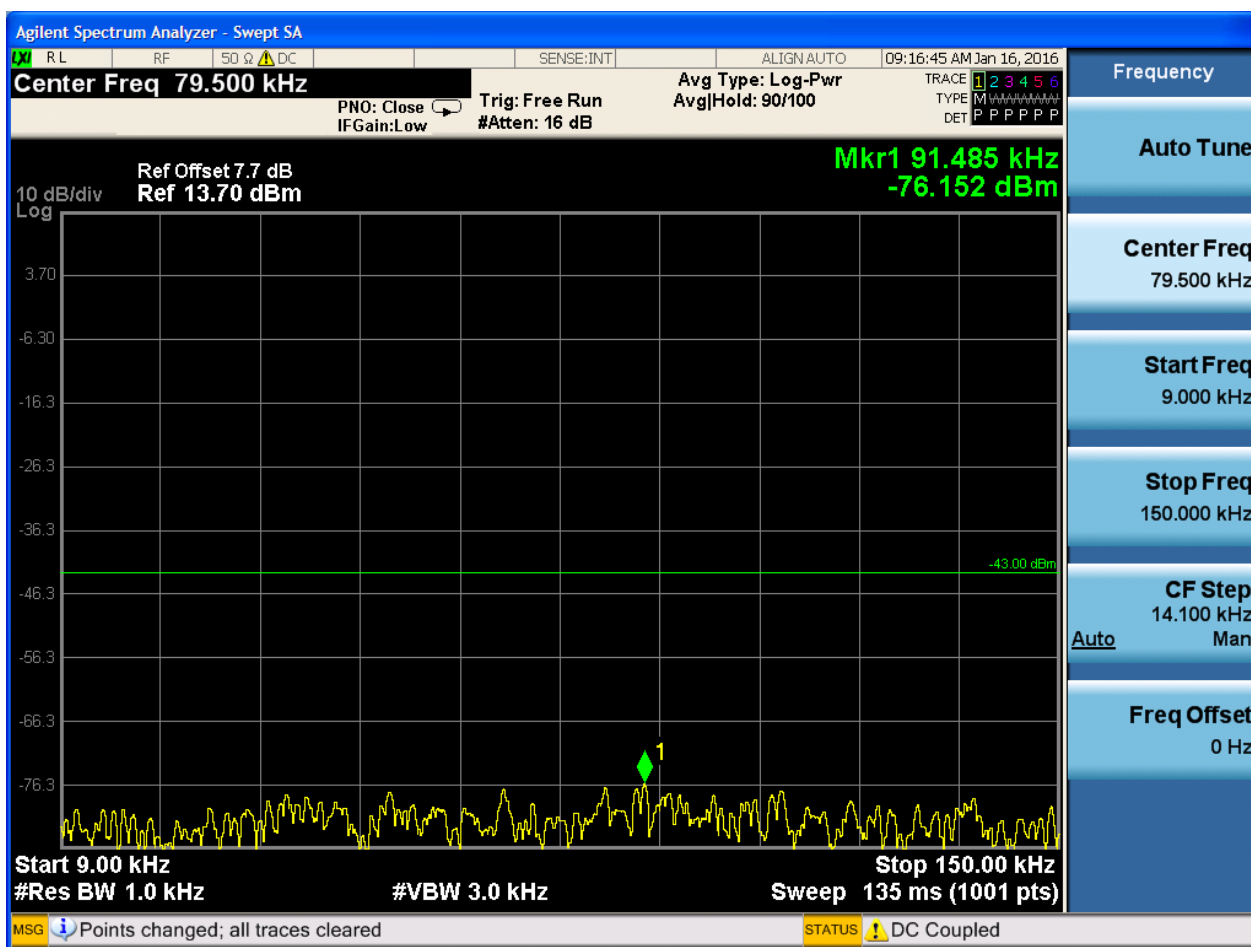


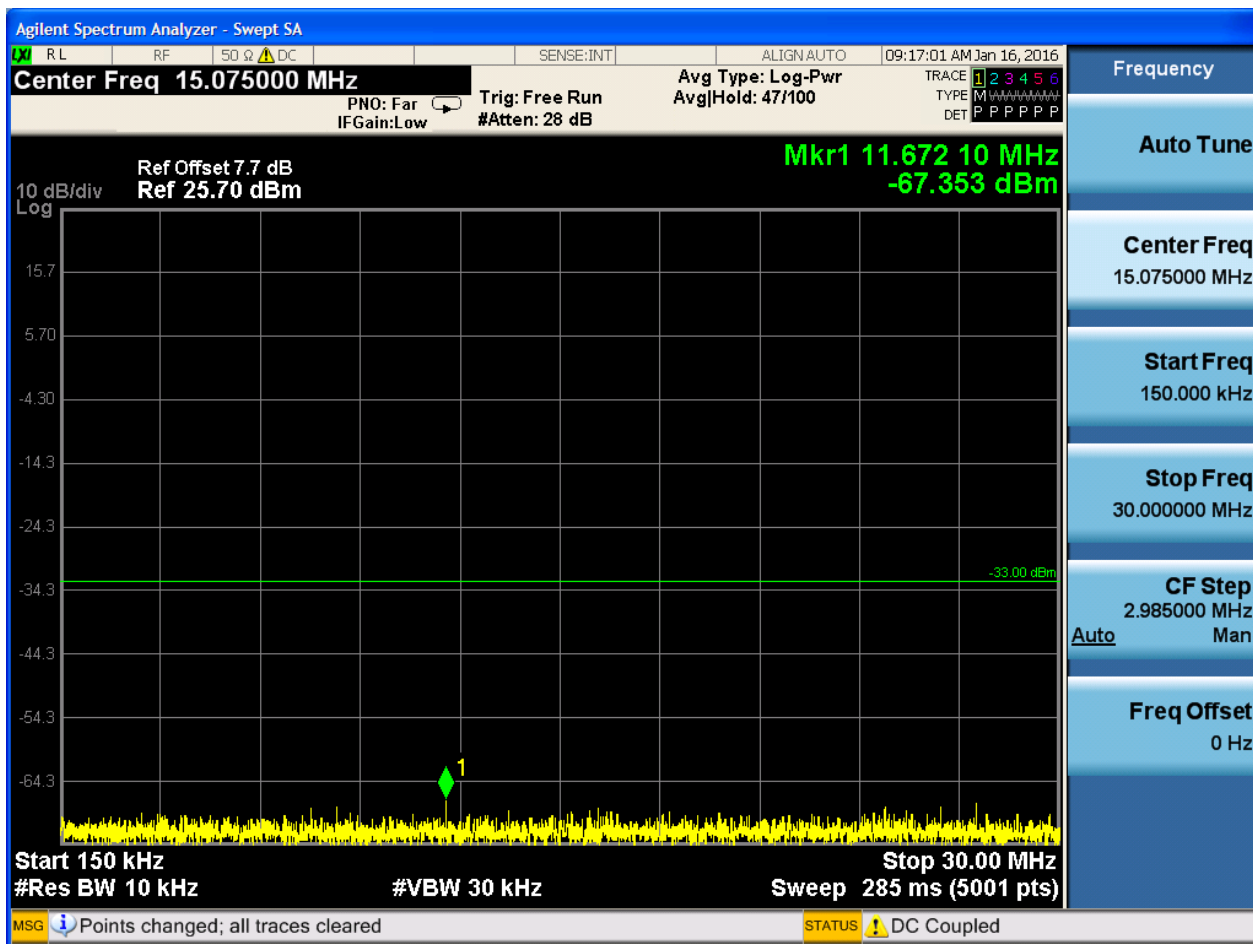


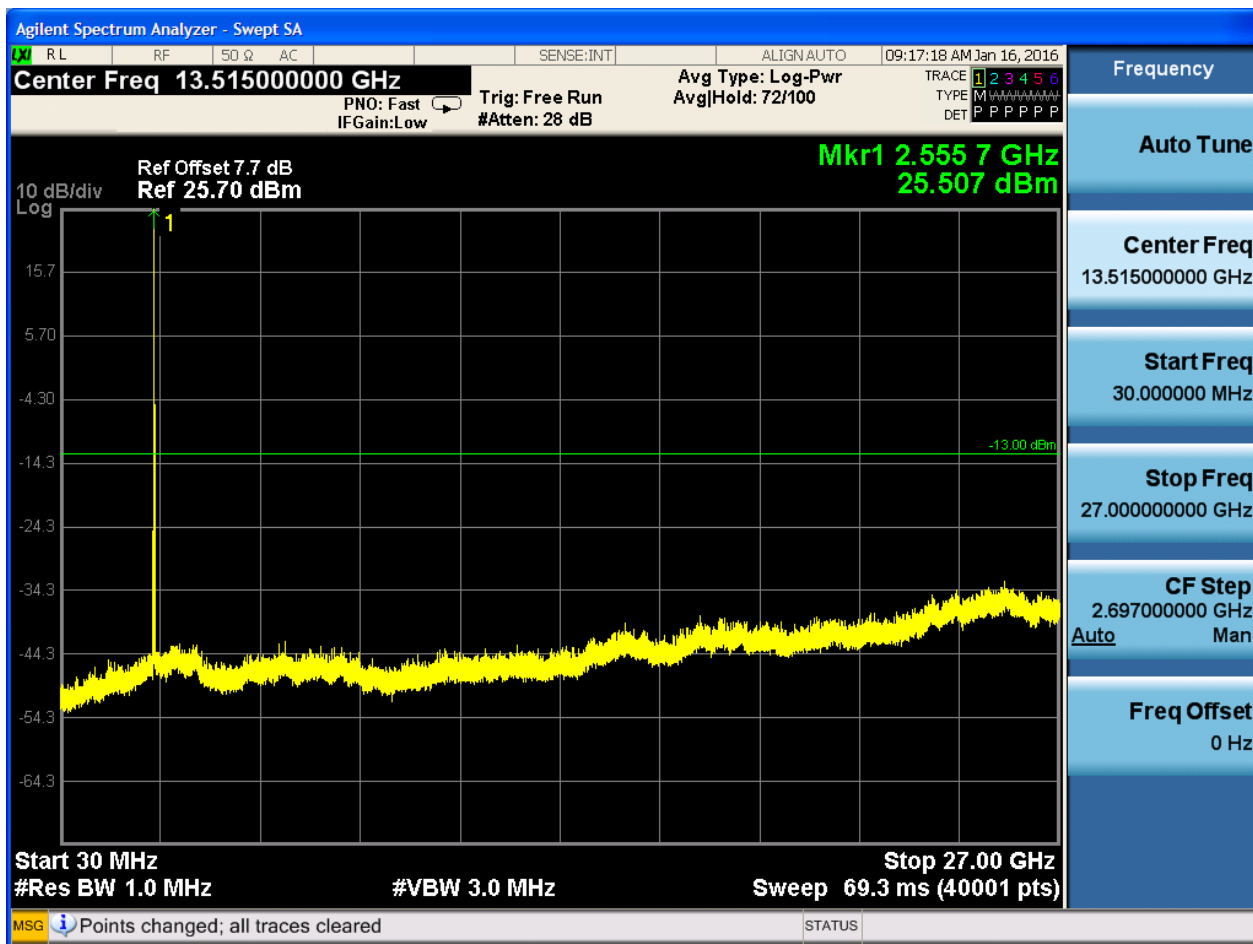
#### 6.1.1.1.4 Test Bandwidth = 20

##### 6.1.1.1.4.1 Test Channel = LCH

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

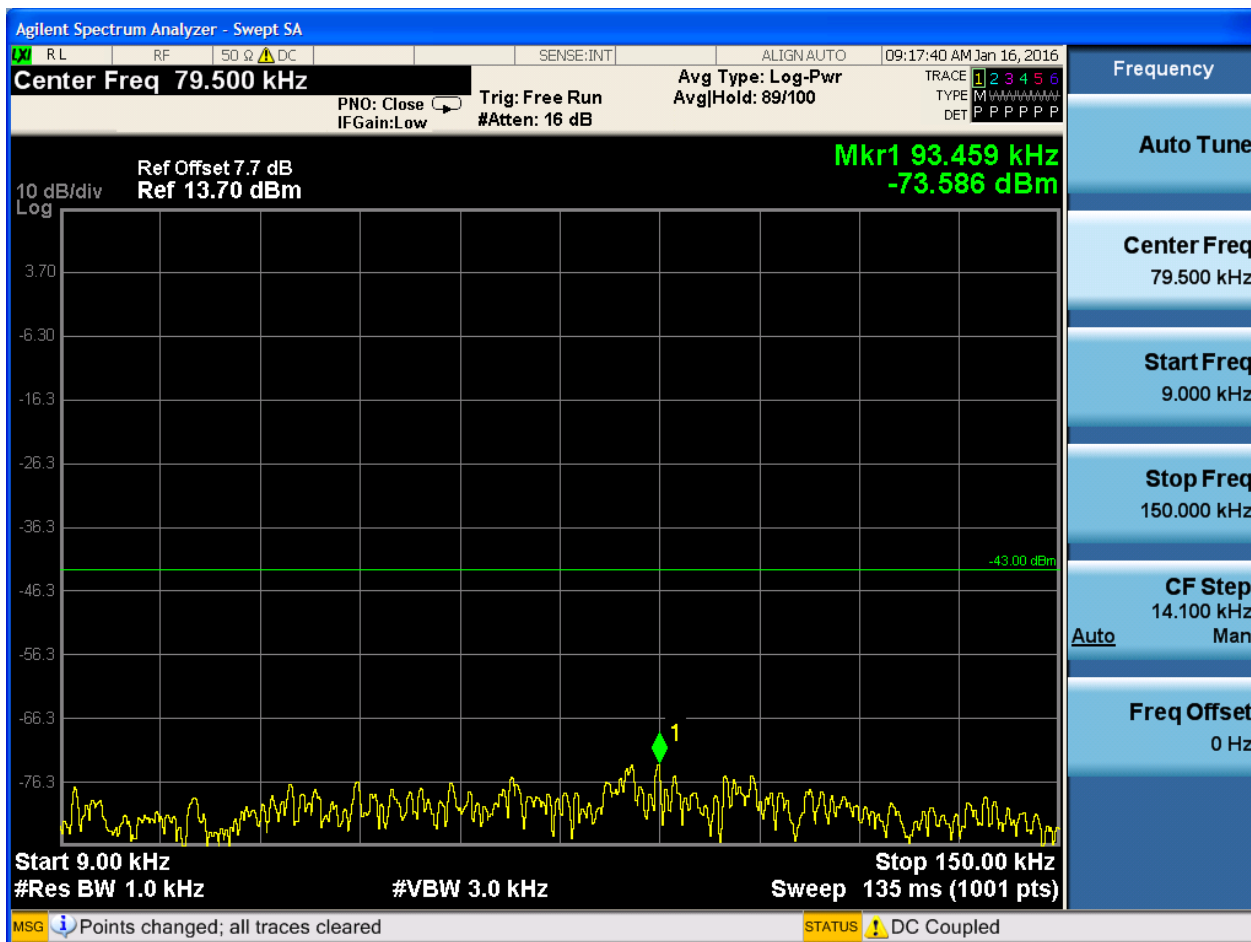


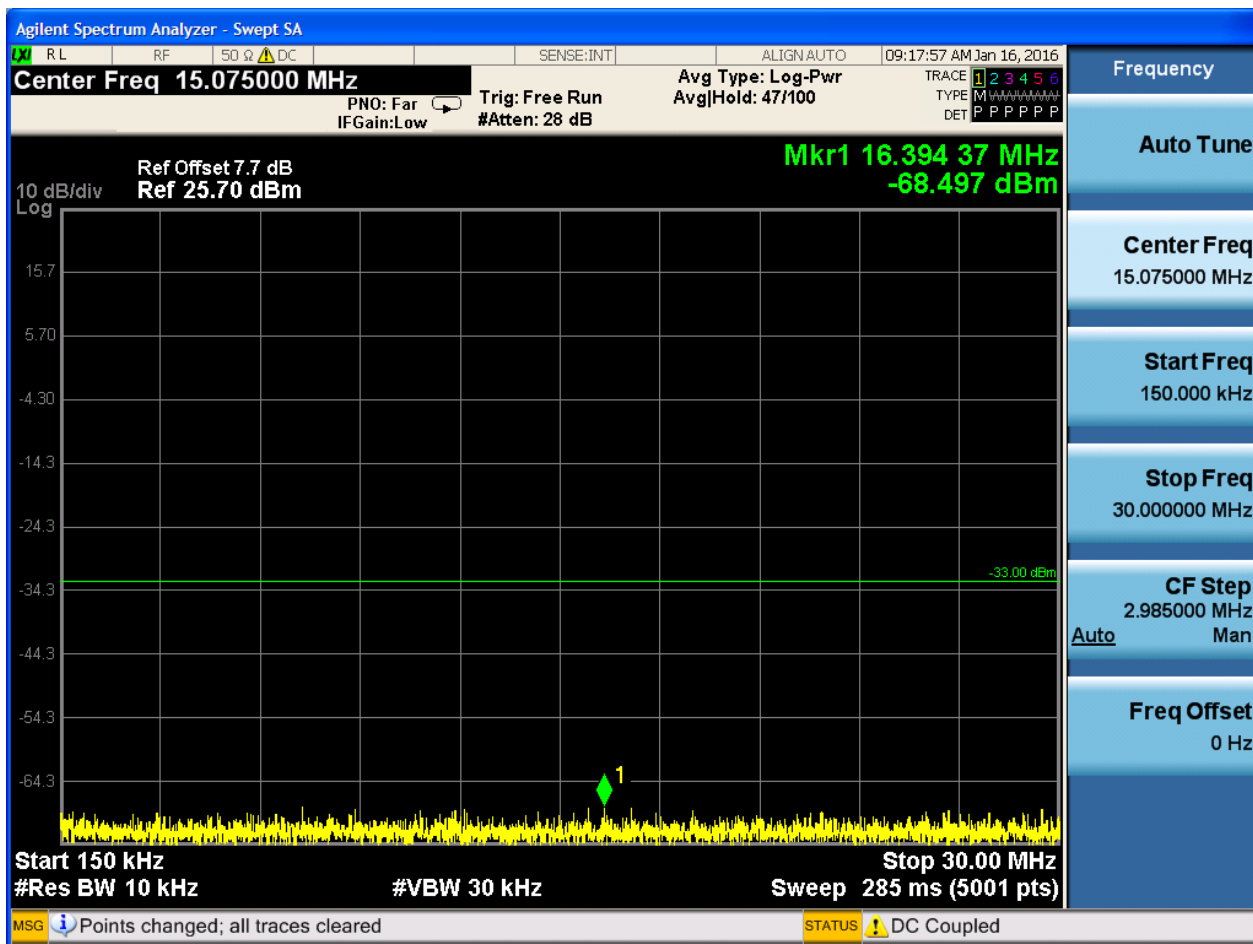


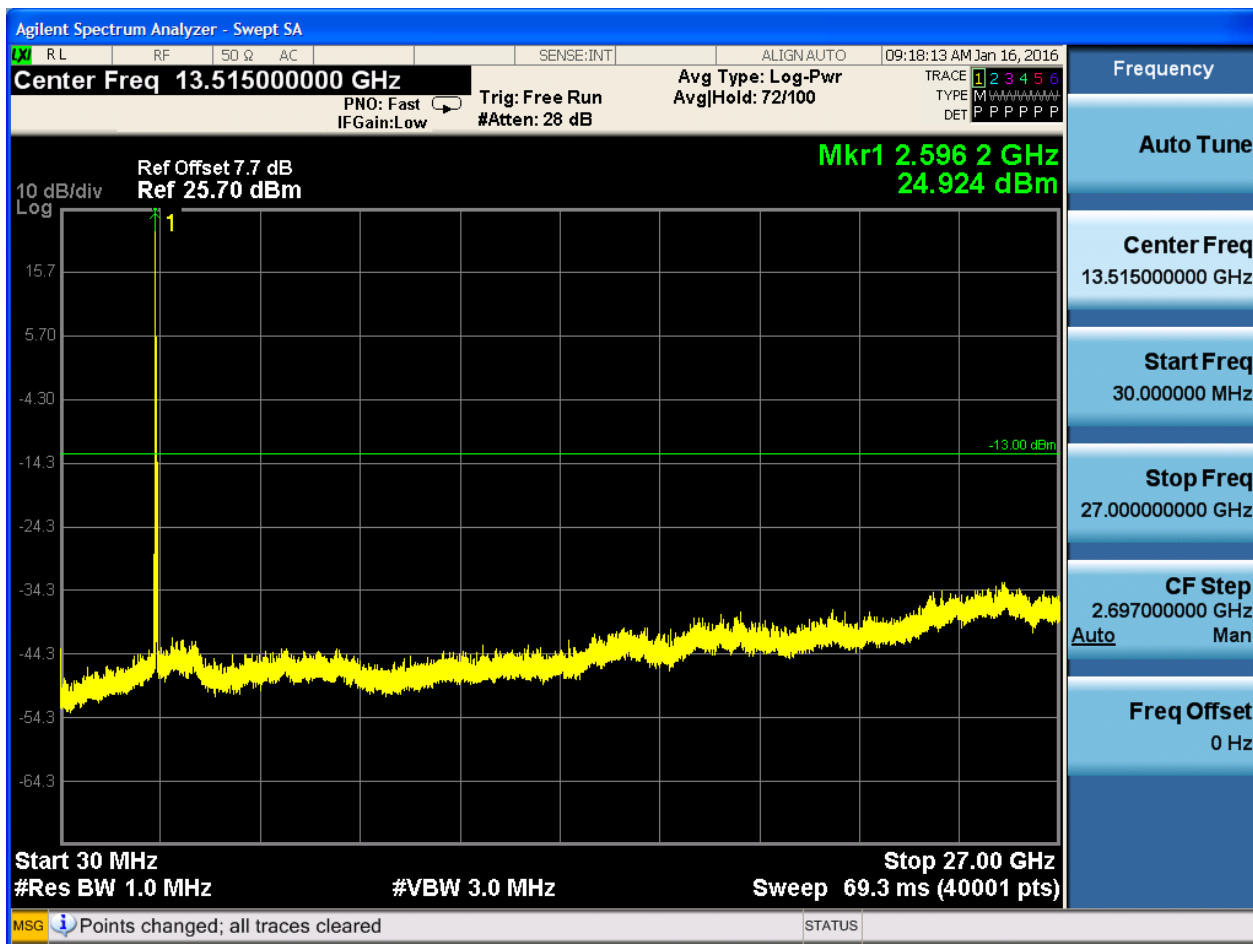


### 6.1.1.1.4.2 Test Channel = MCH

#### 6.1.1.1.4.2.1 Test RB = RB1#0

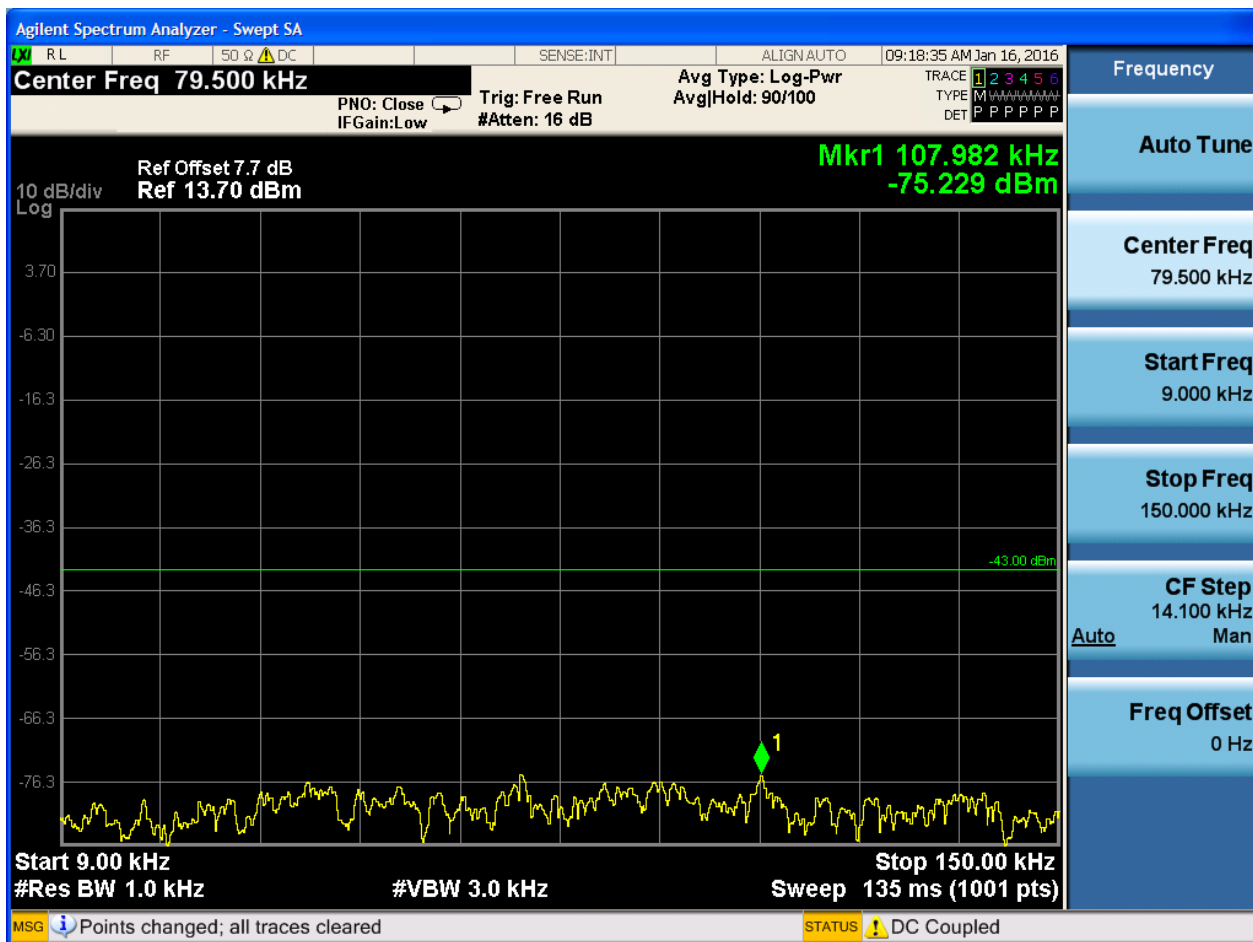


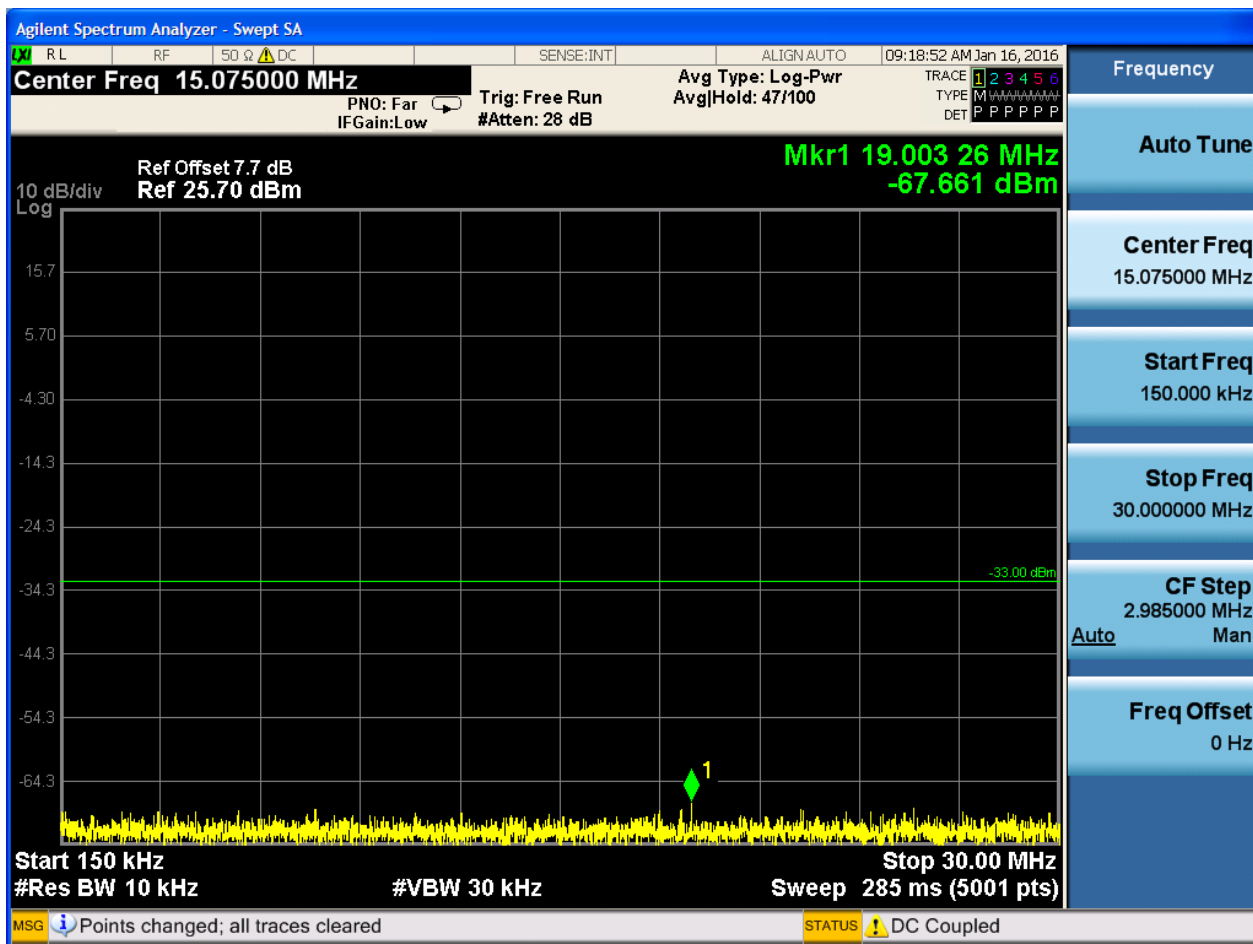


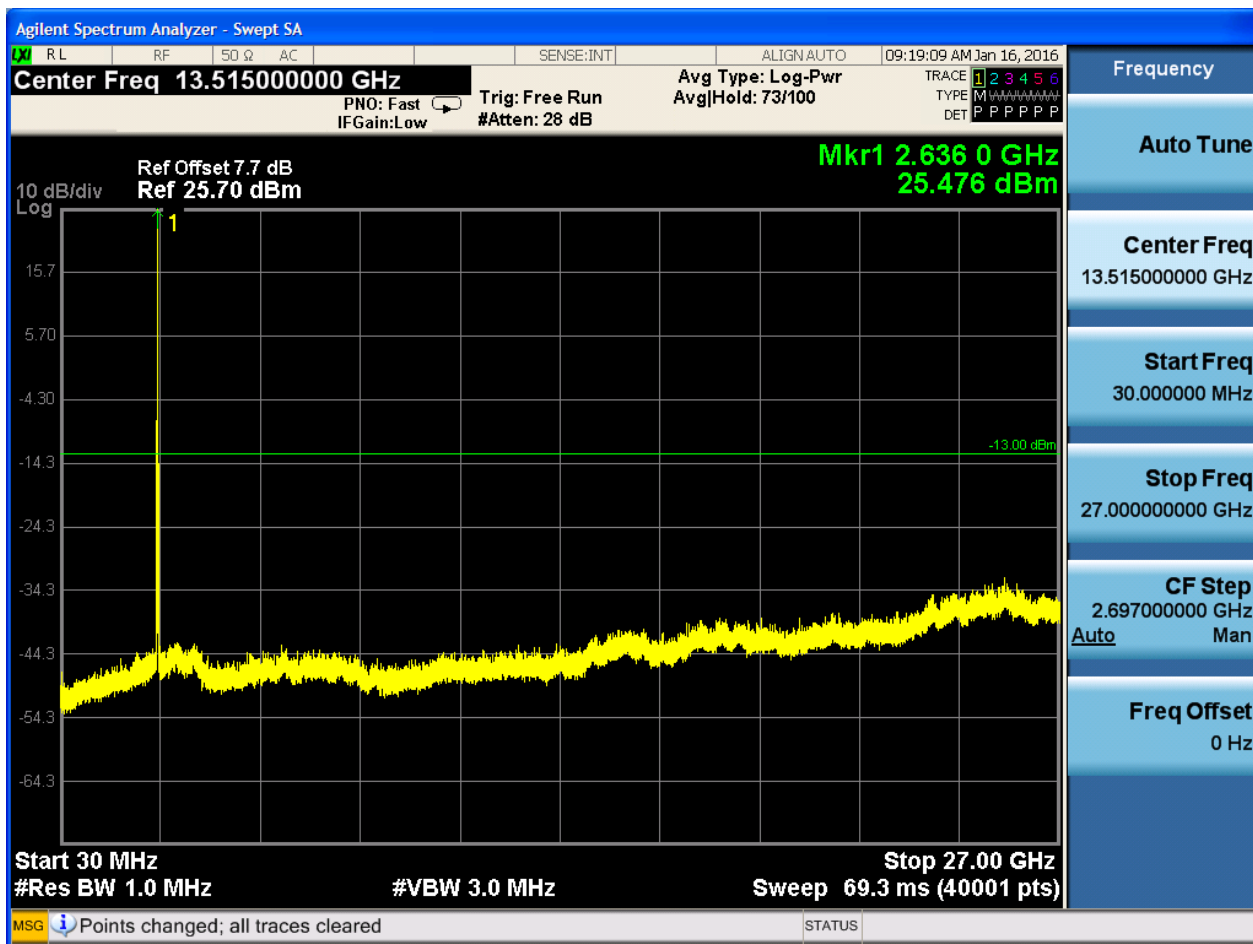


### 6.1.1.1.4.3 Test Channel = HCH

#### 6.1.1.1.4.3.1 Test RB = RB1#0





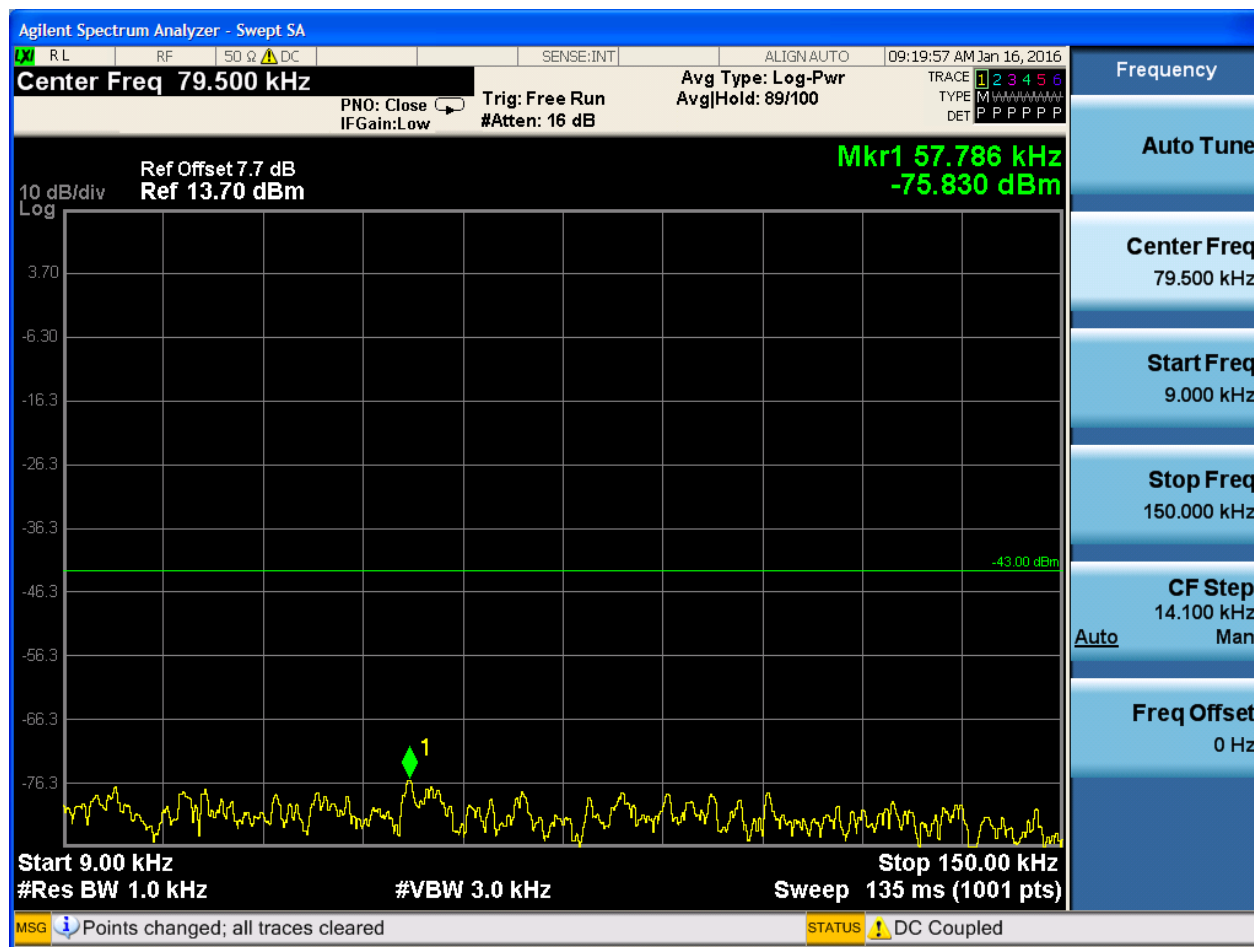


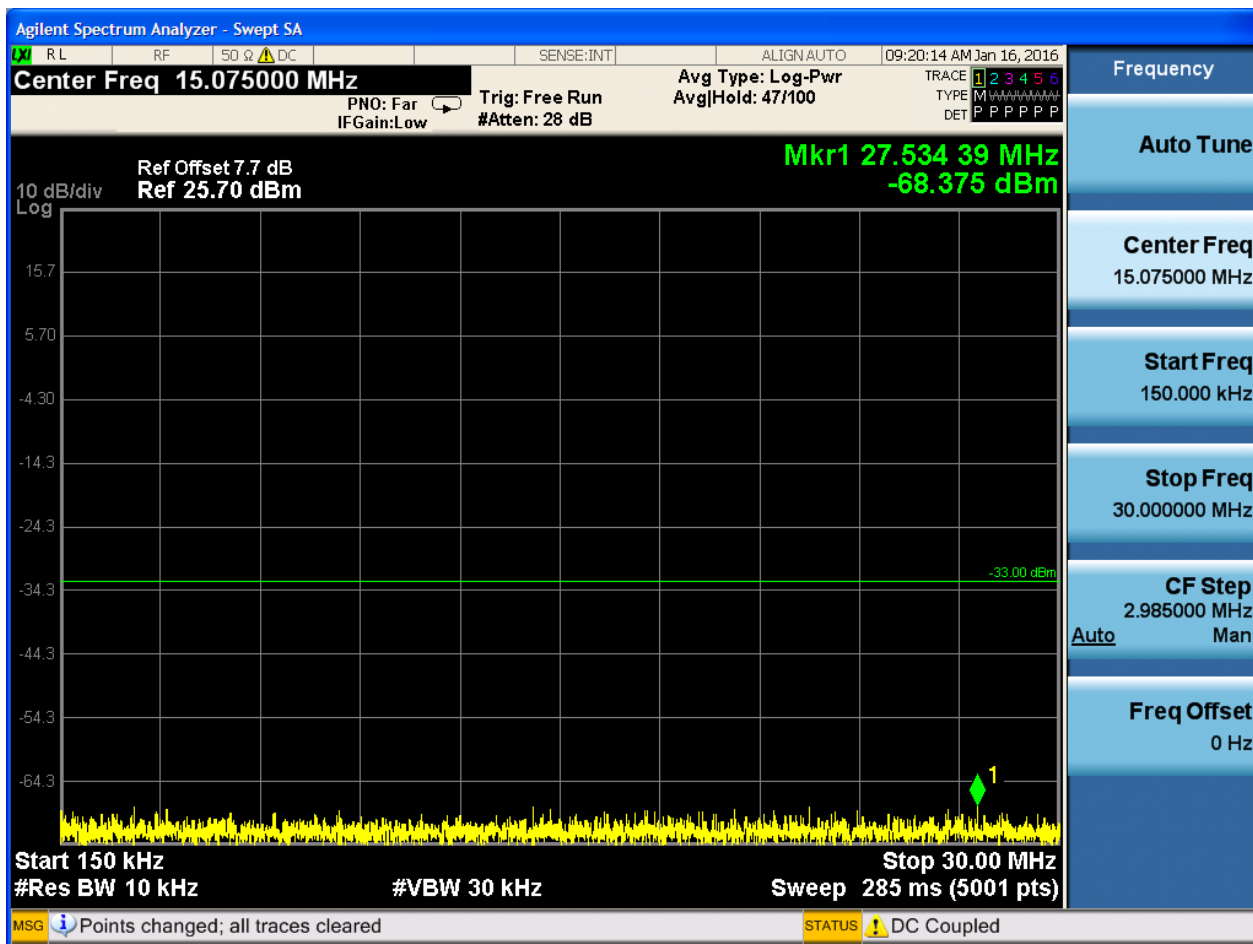
### 6.1.1.2 Test Mode = LTE/TM2

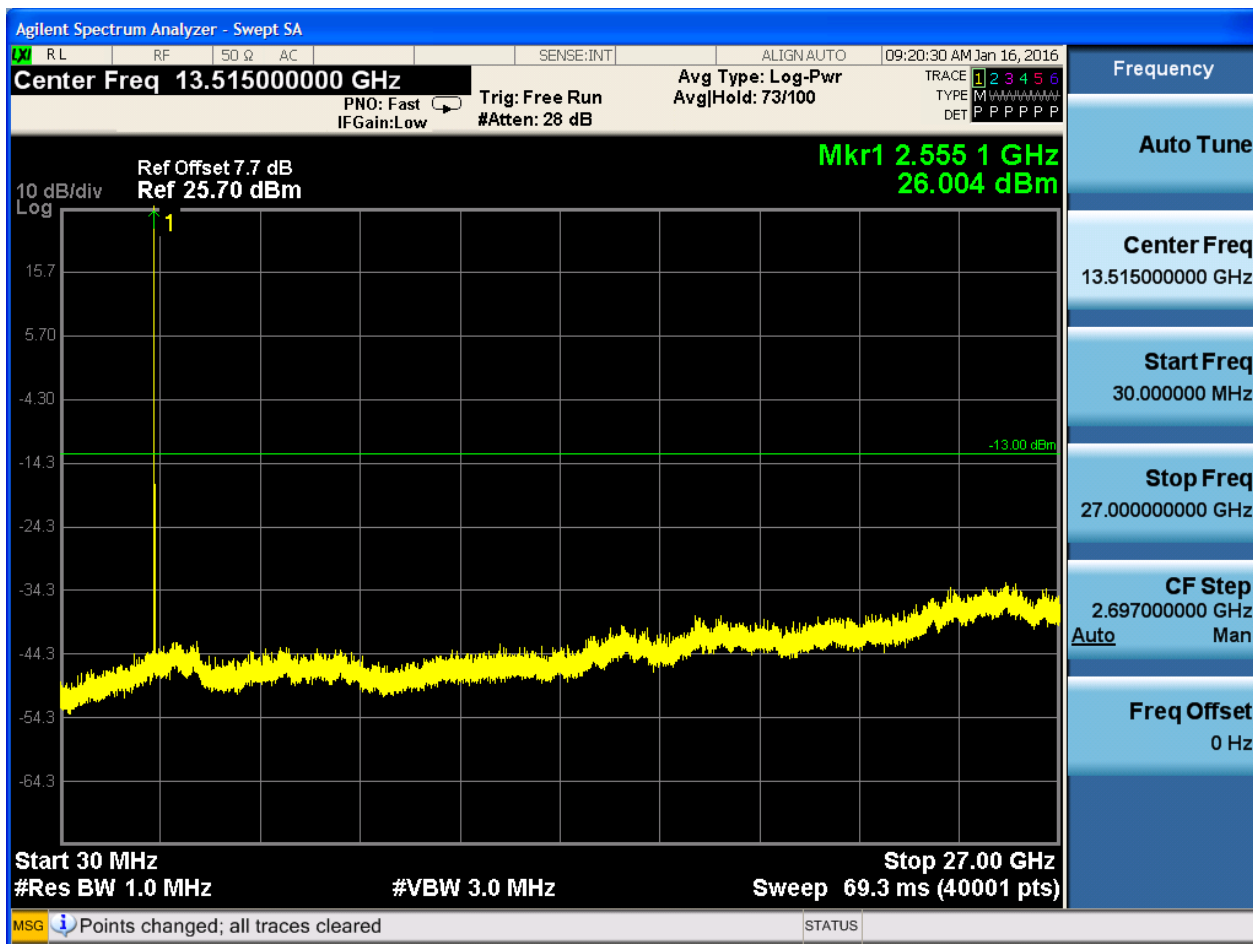
#### 6.1.1.2.1 Test Bandwidth = 5

##### 6.1.1.2.1.1 Test Channel = LCH

##### 6.1.1.2.1.1.1 Test RB = RB1#0

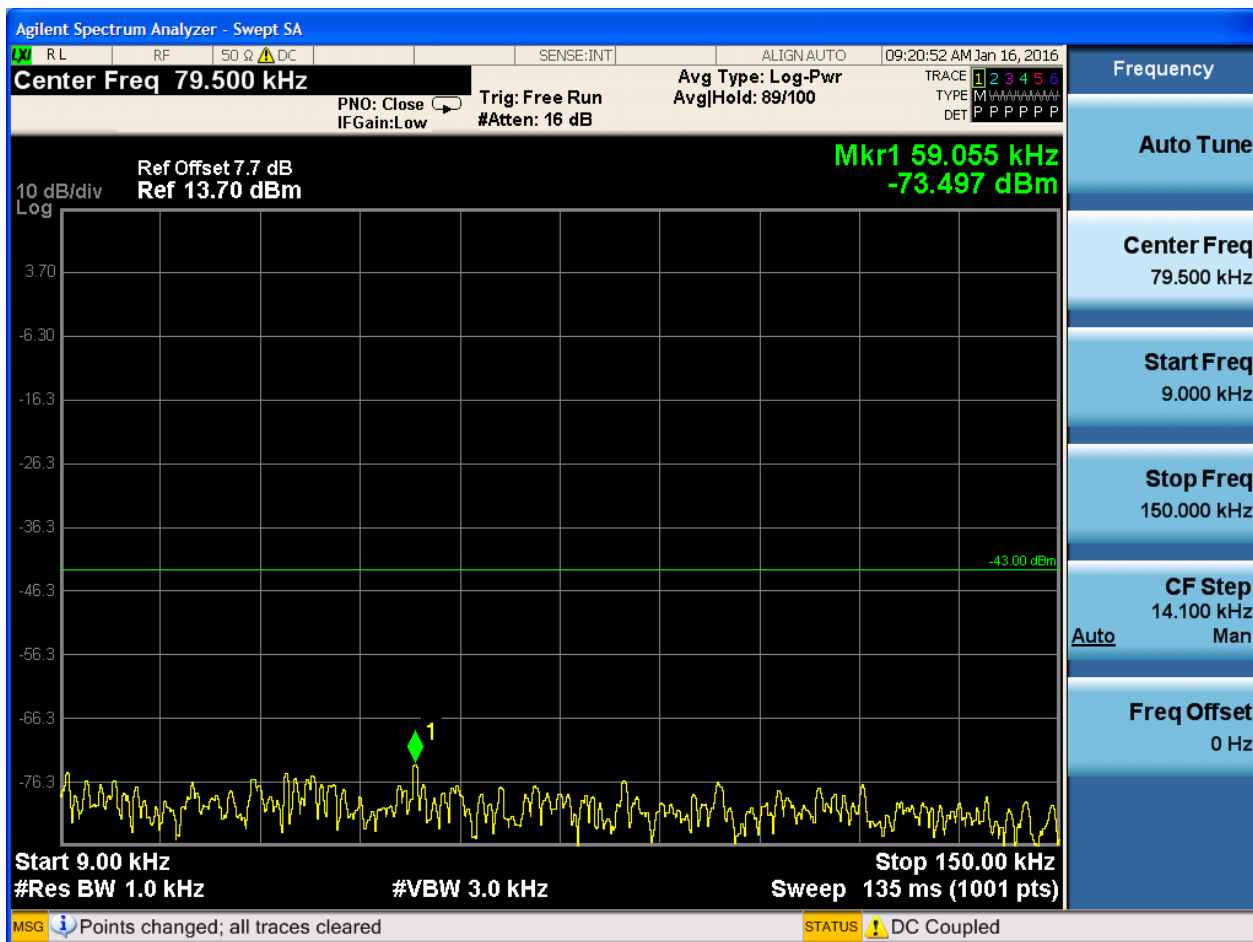


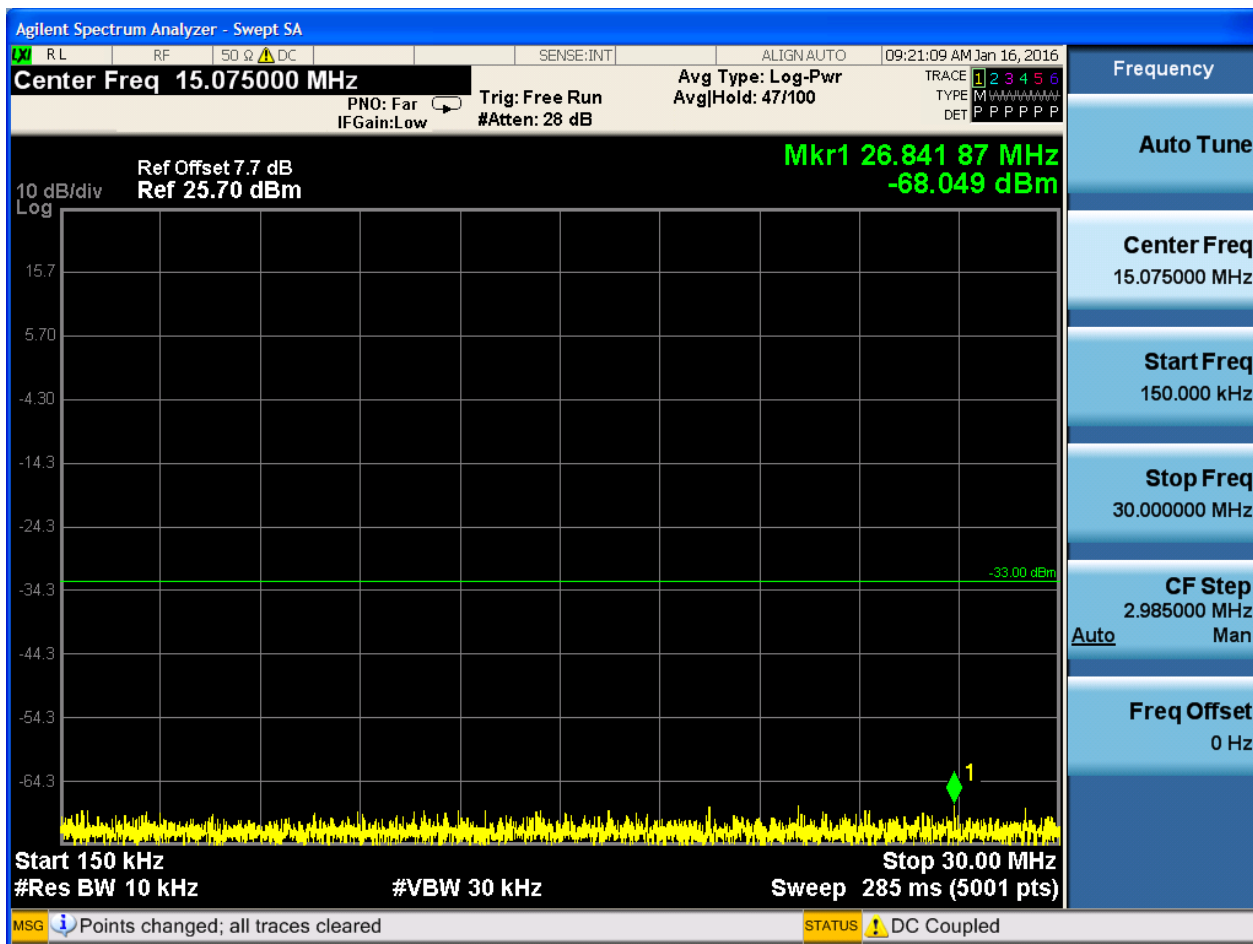


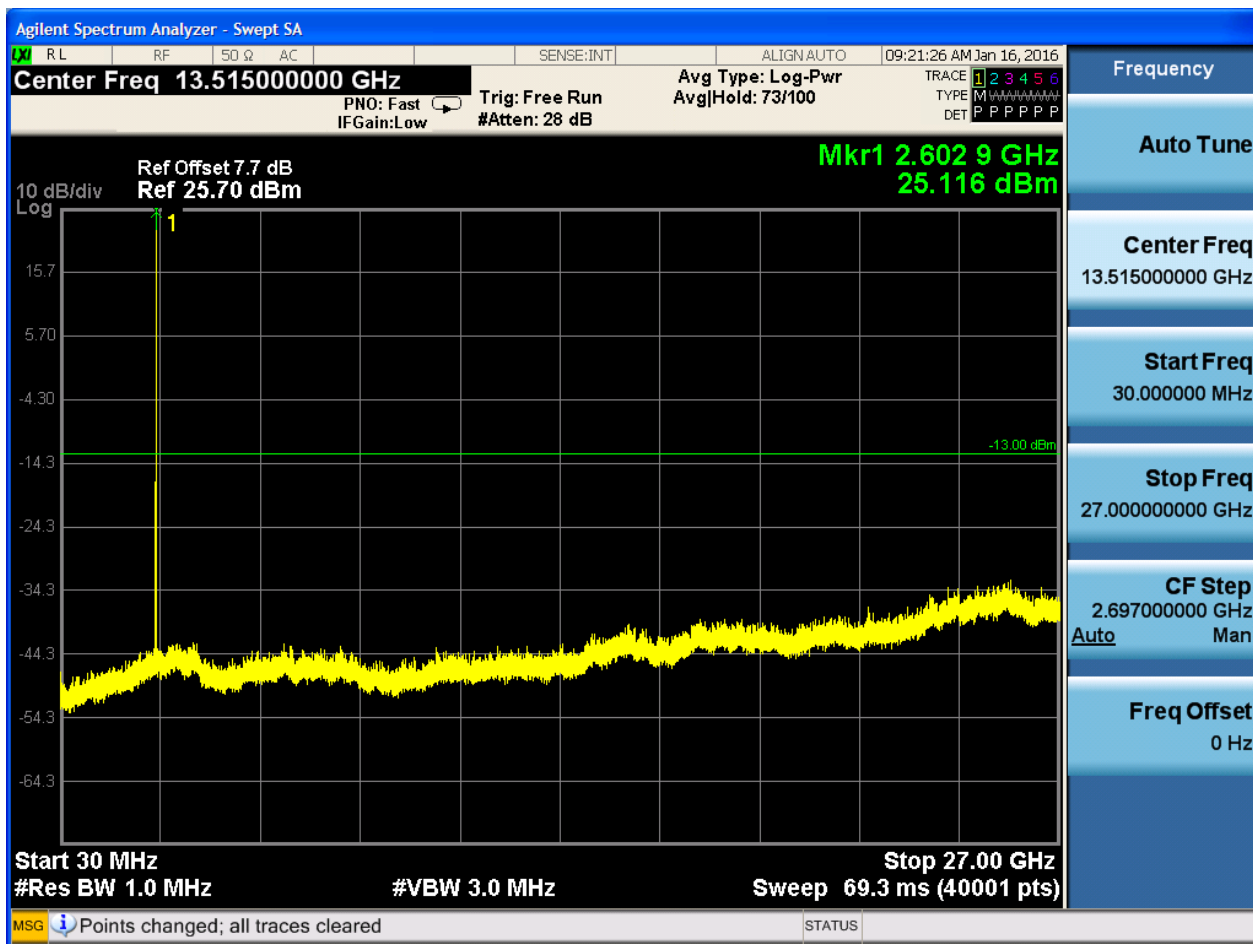


### 6.1.1.2.1.2 Test Channel = MCH

#### 6.1.1.2.1.2.1 Test RB = RB1#0

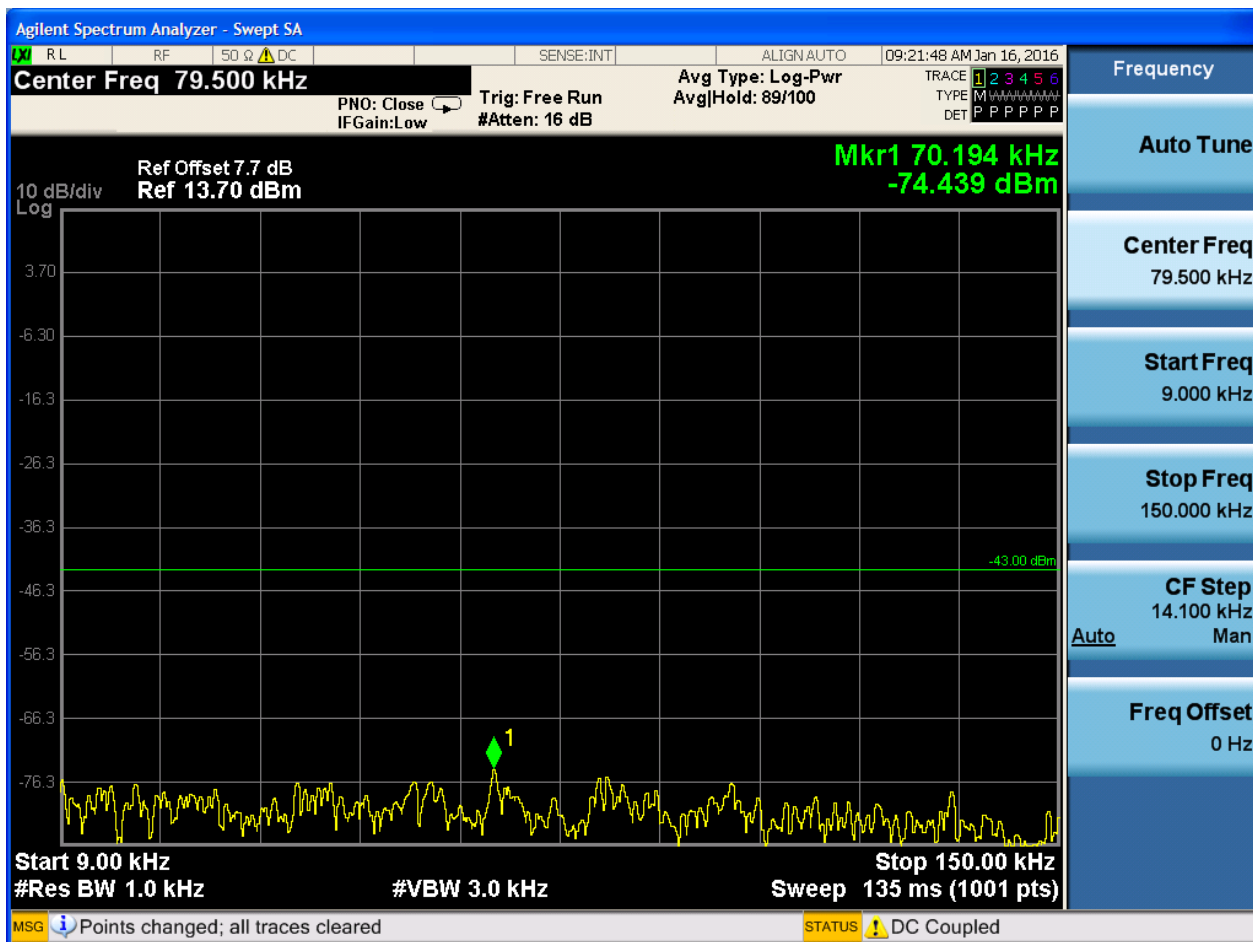


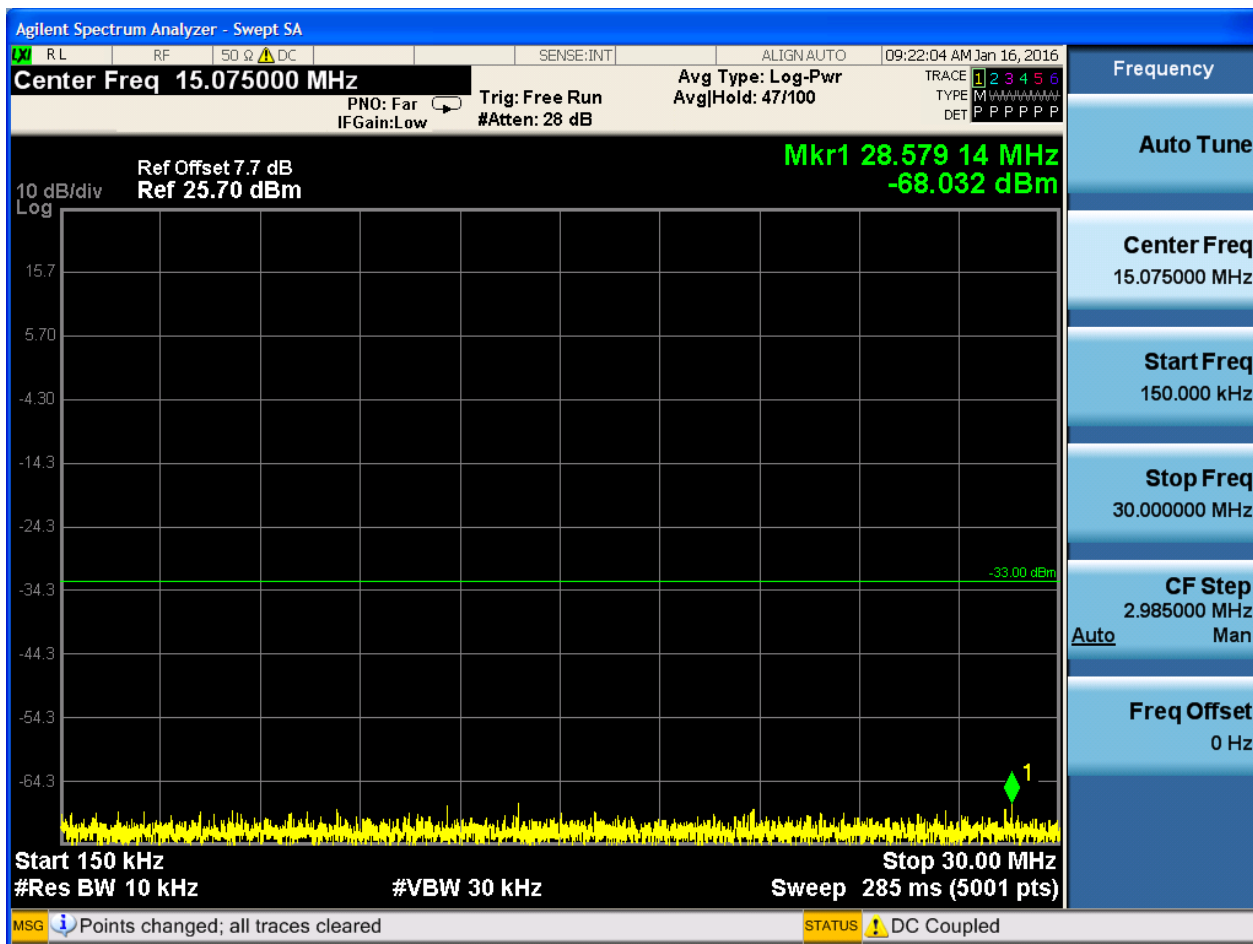


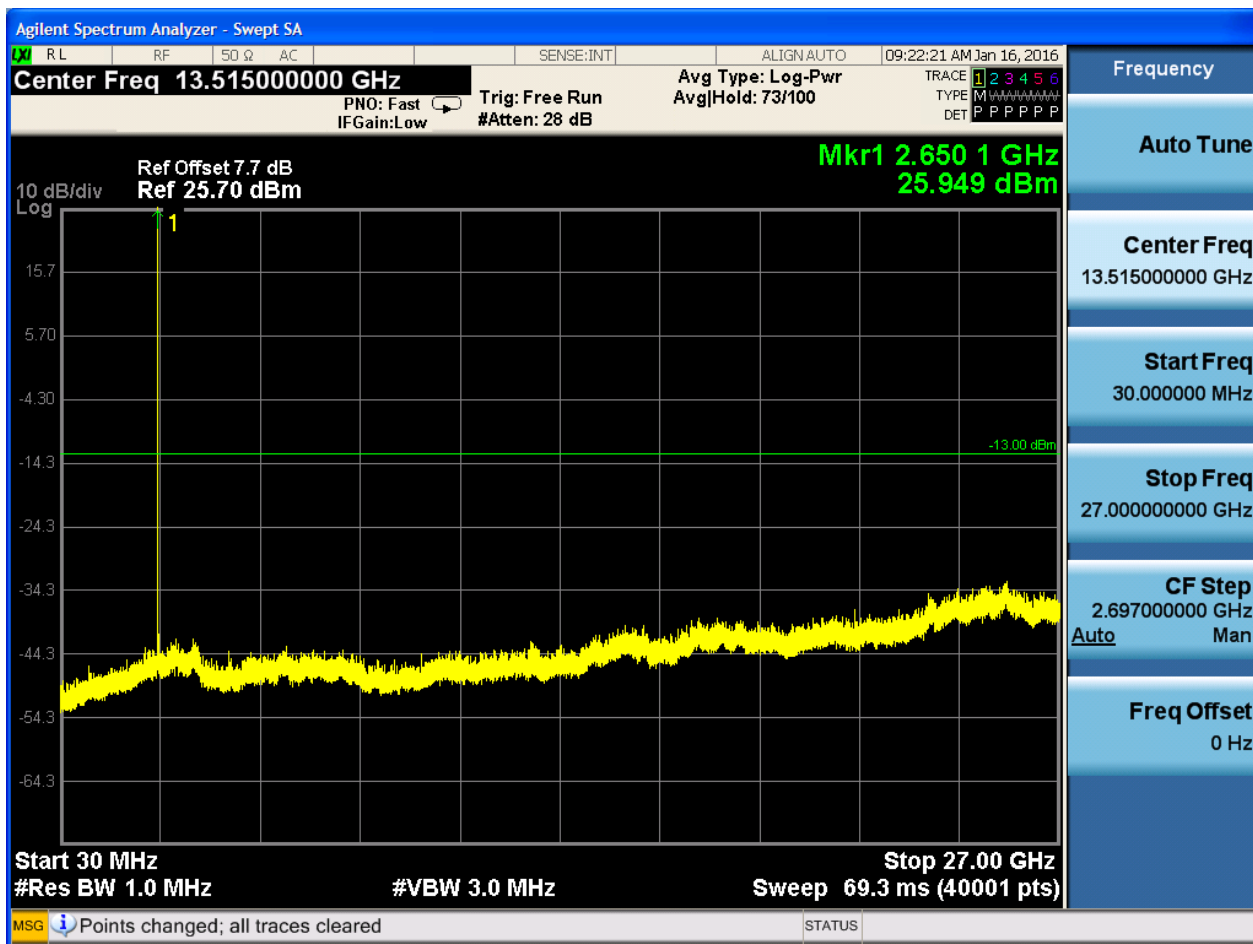


### 6.1.1.2.1.3 Test Channel = HCH

#### 6.1.1.2.1.3.1 Test RB = RB1#0



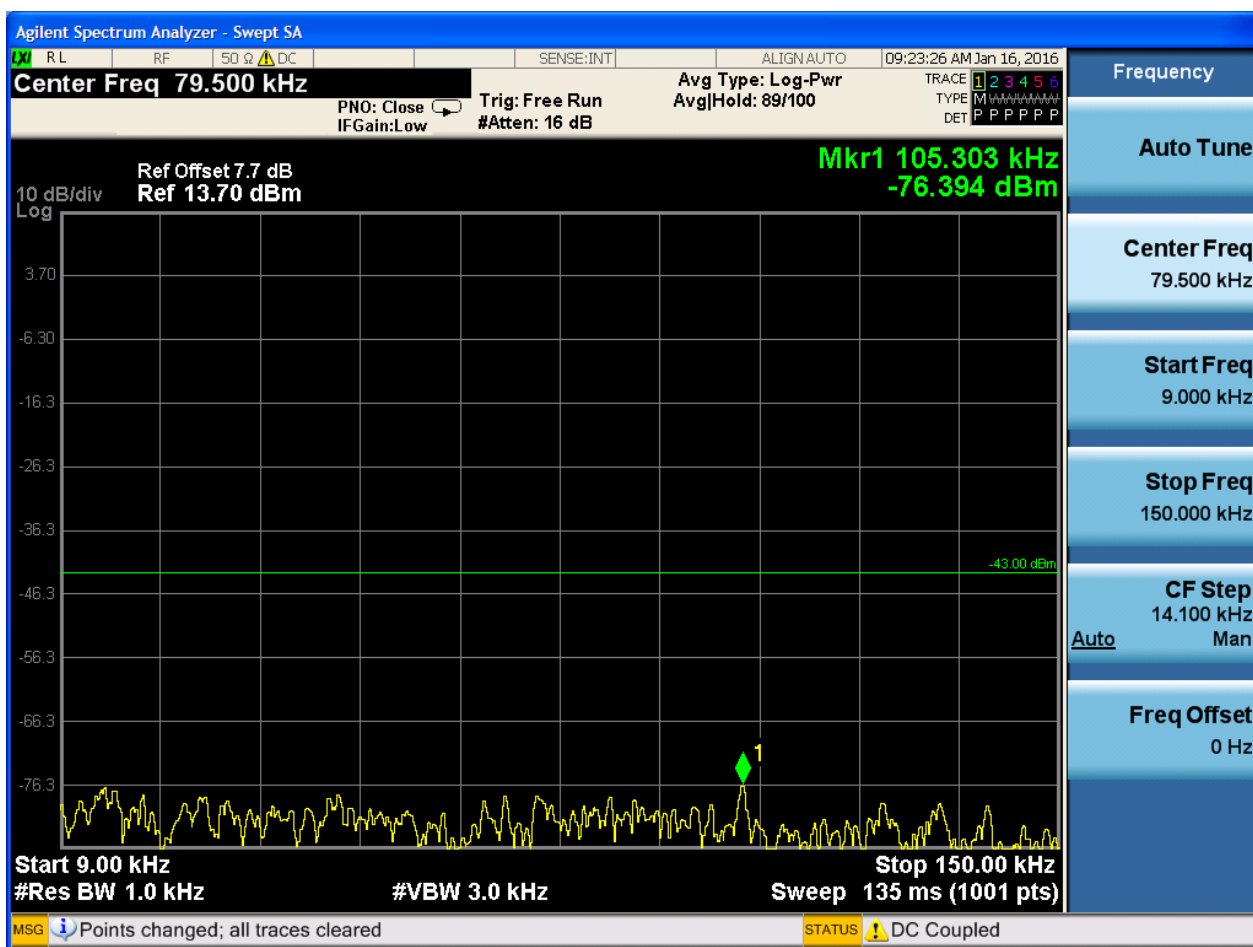


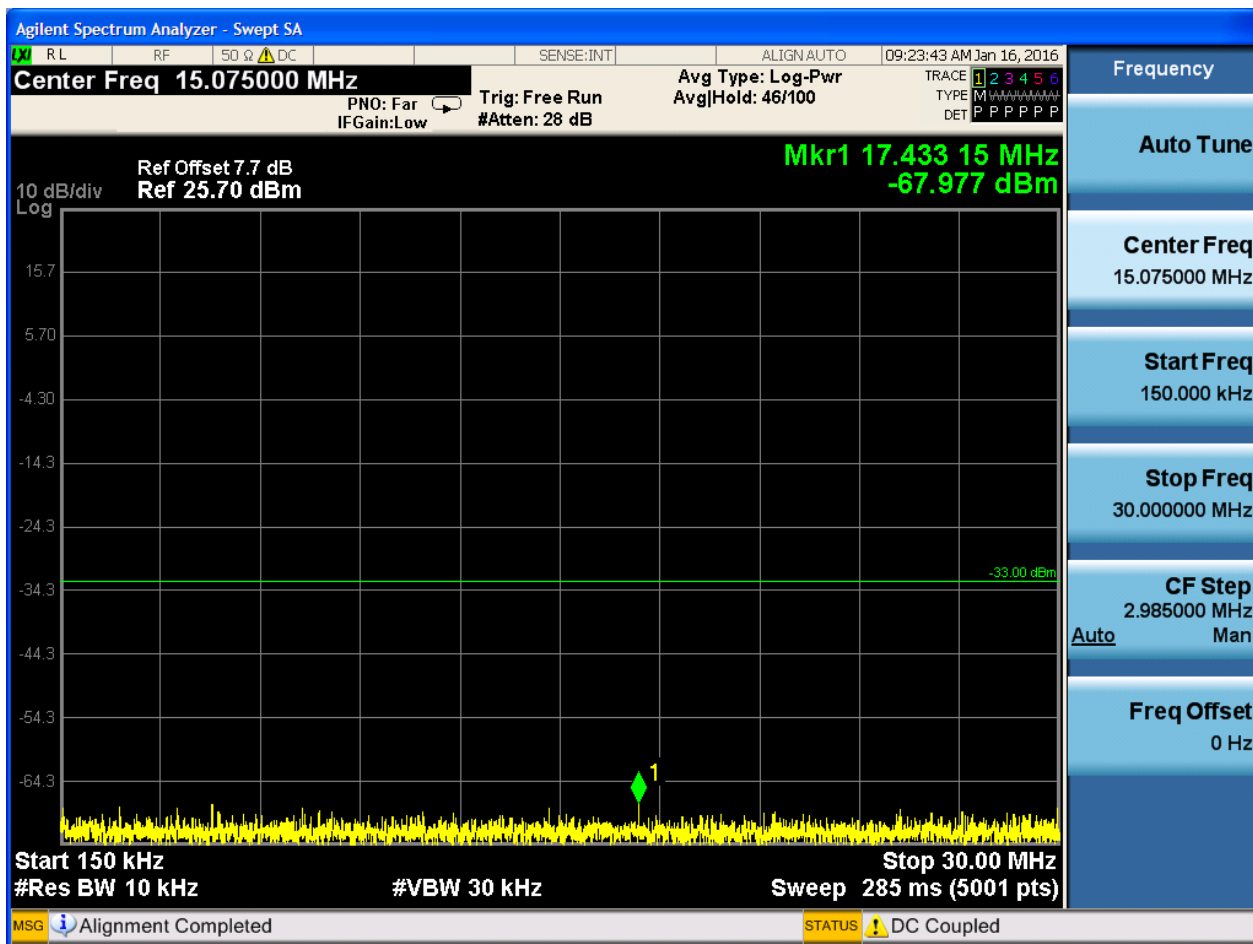


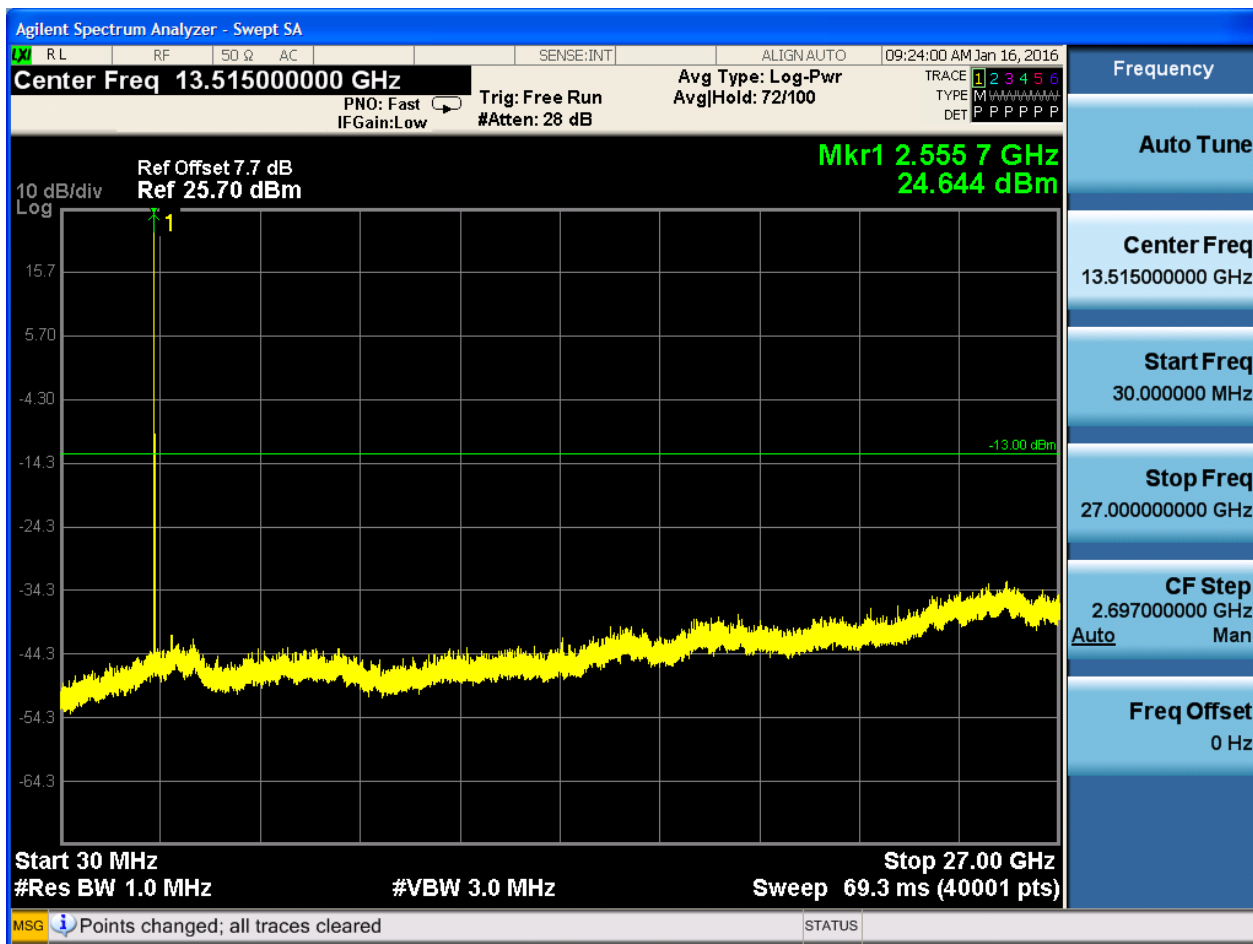
### 6.1.1.2.2 Test Bandwidth = 10

#### 6.1.1.2.2.1 Test Channel = LCH

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

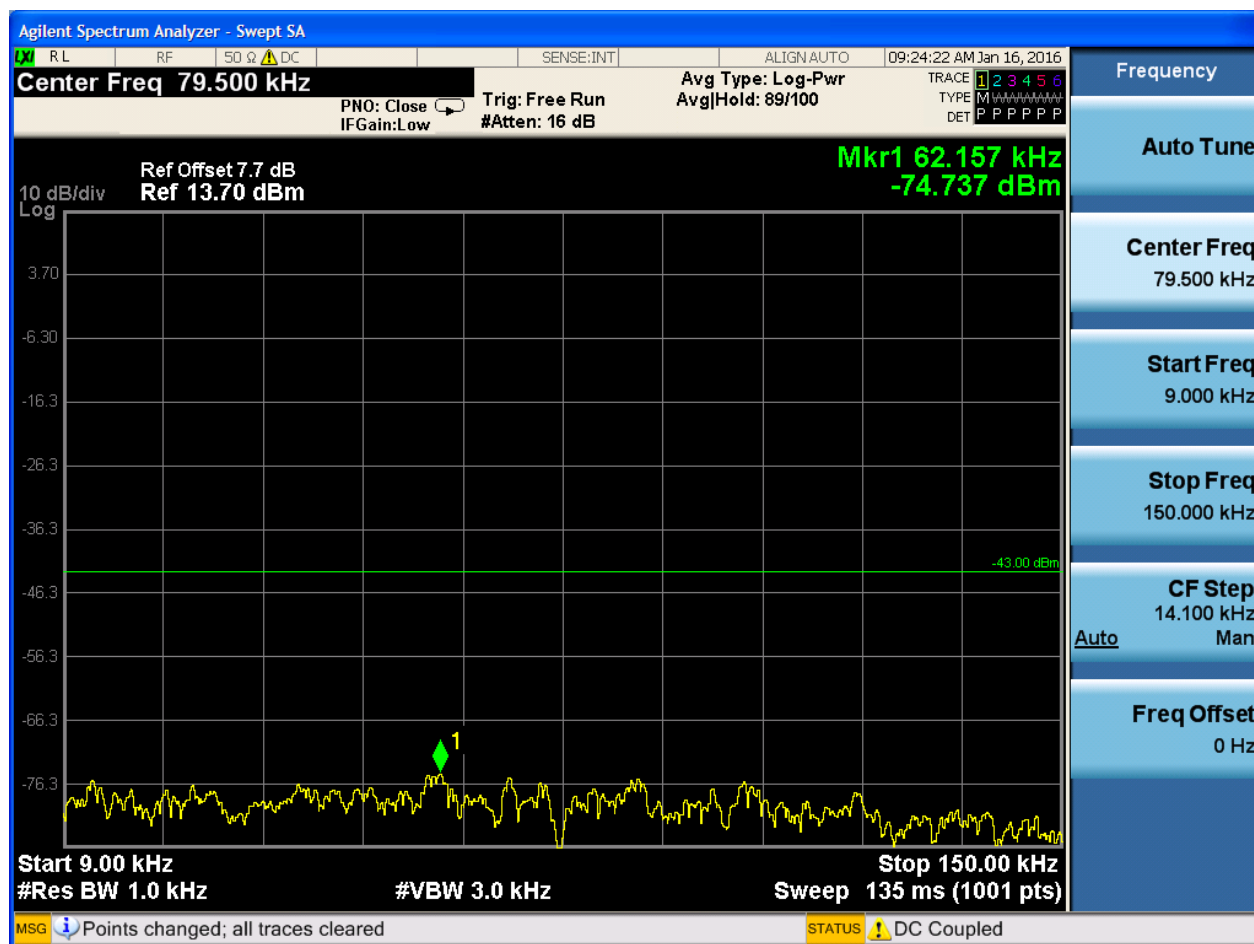


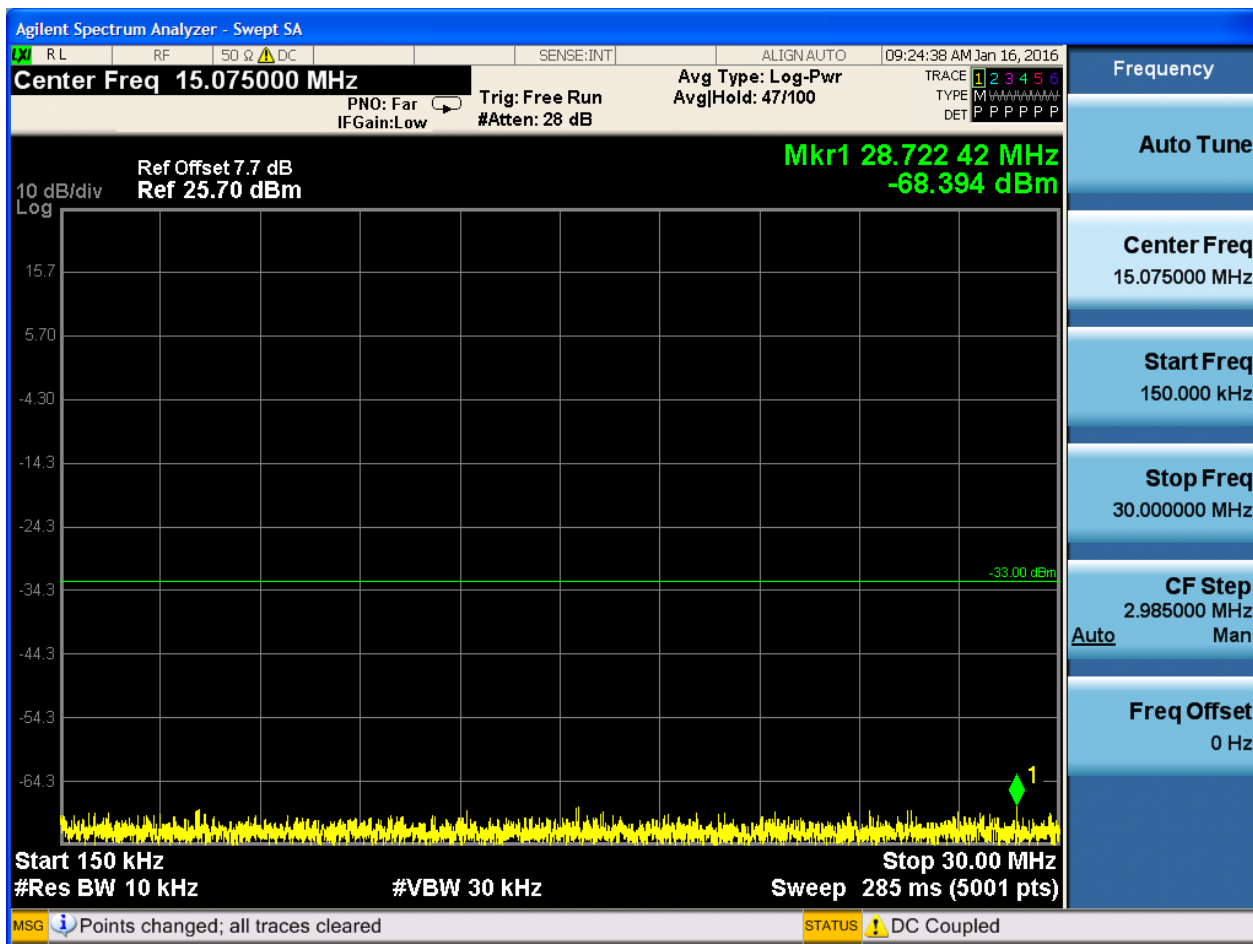


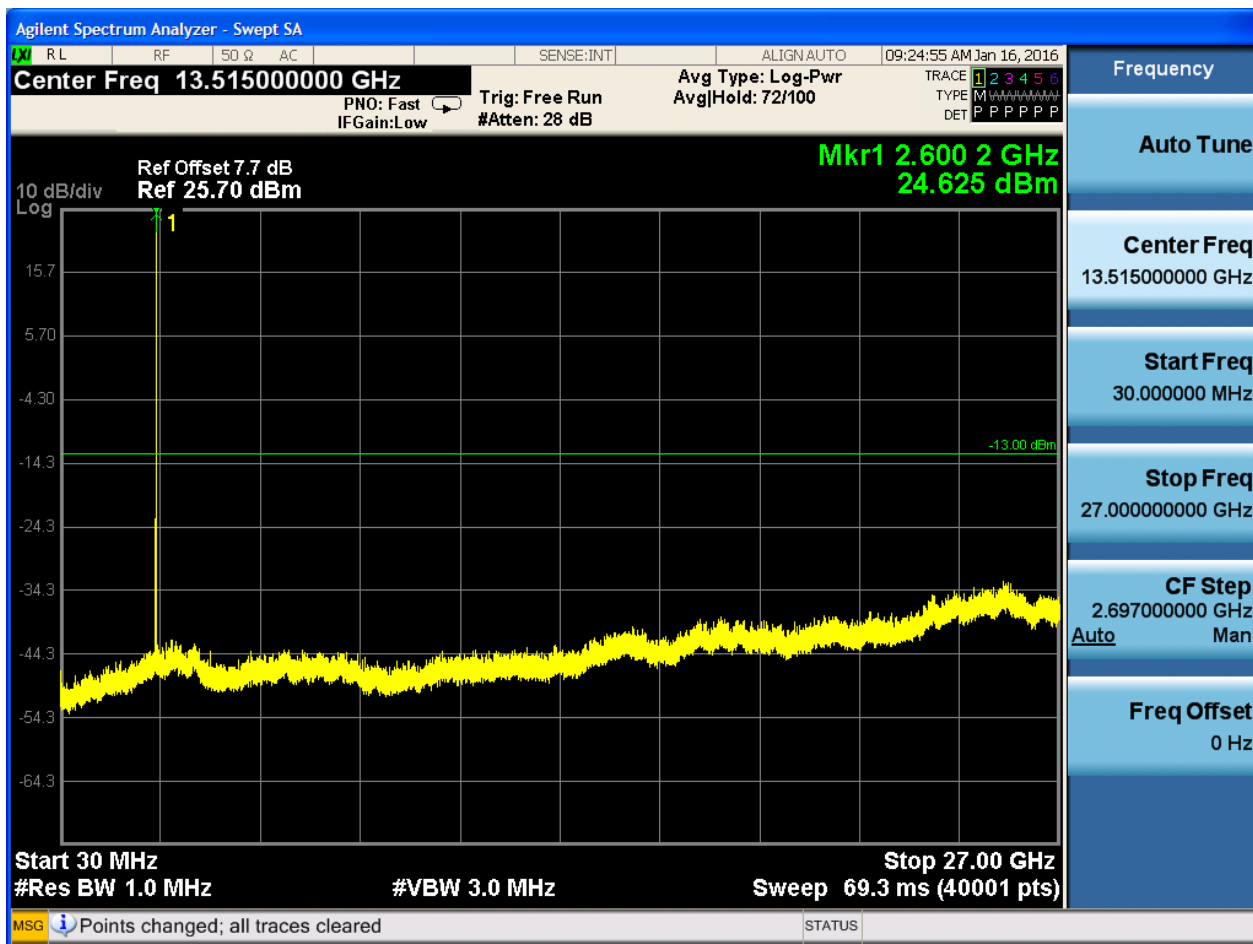


### 6.1.1.2.2.2 Test Channel = MCH

#### 6.1.1.2.2.2.1 Test RB = RB1#0

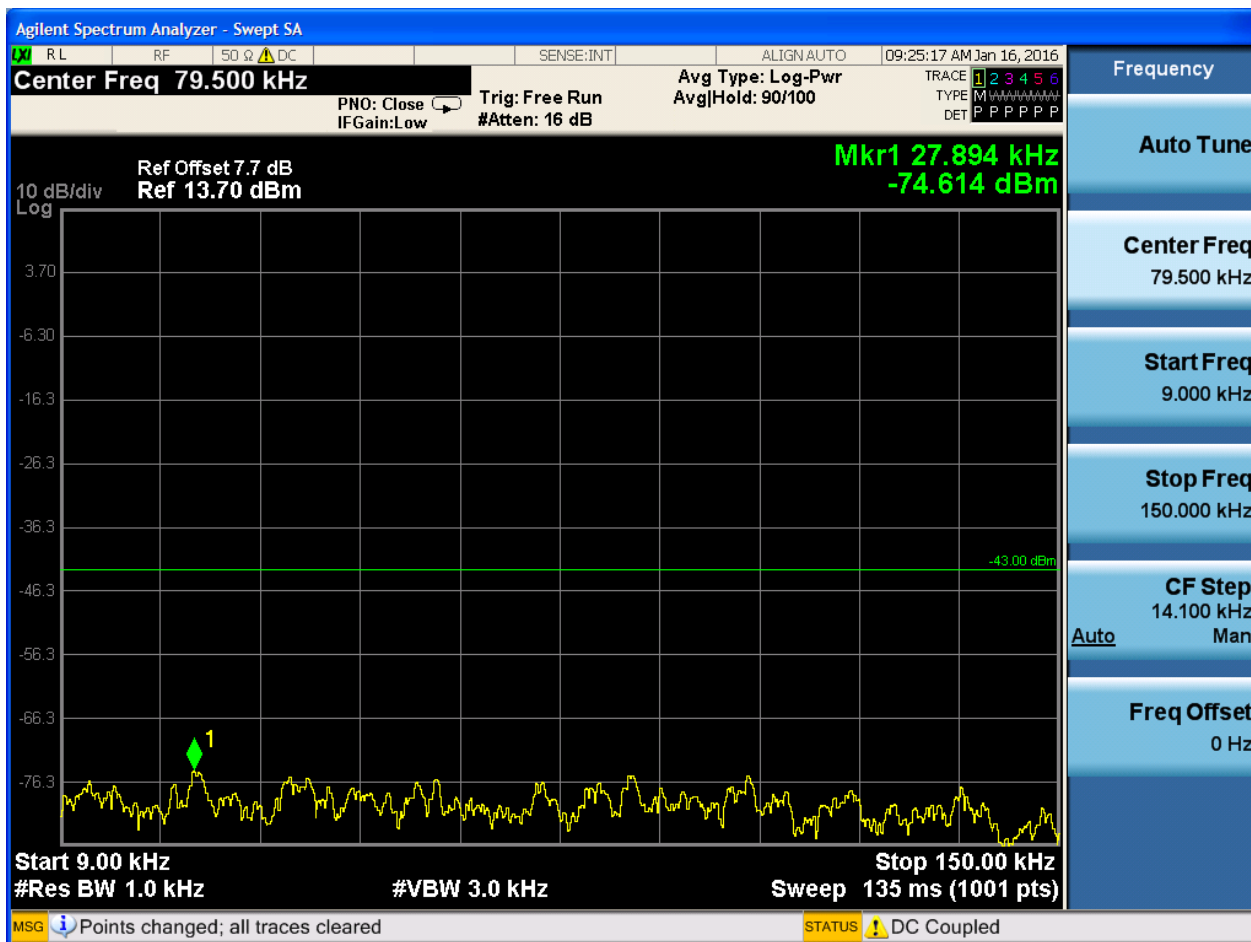


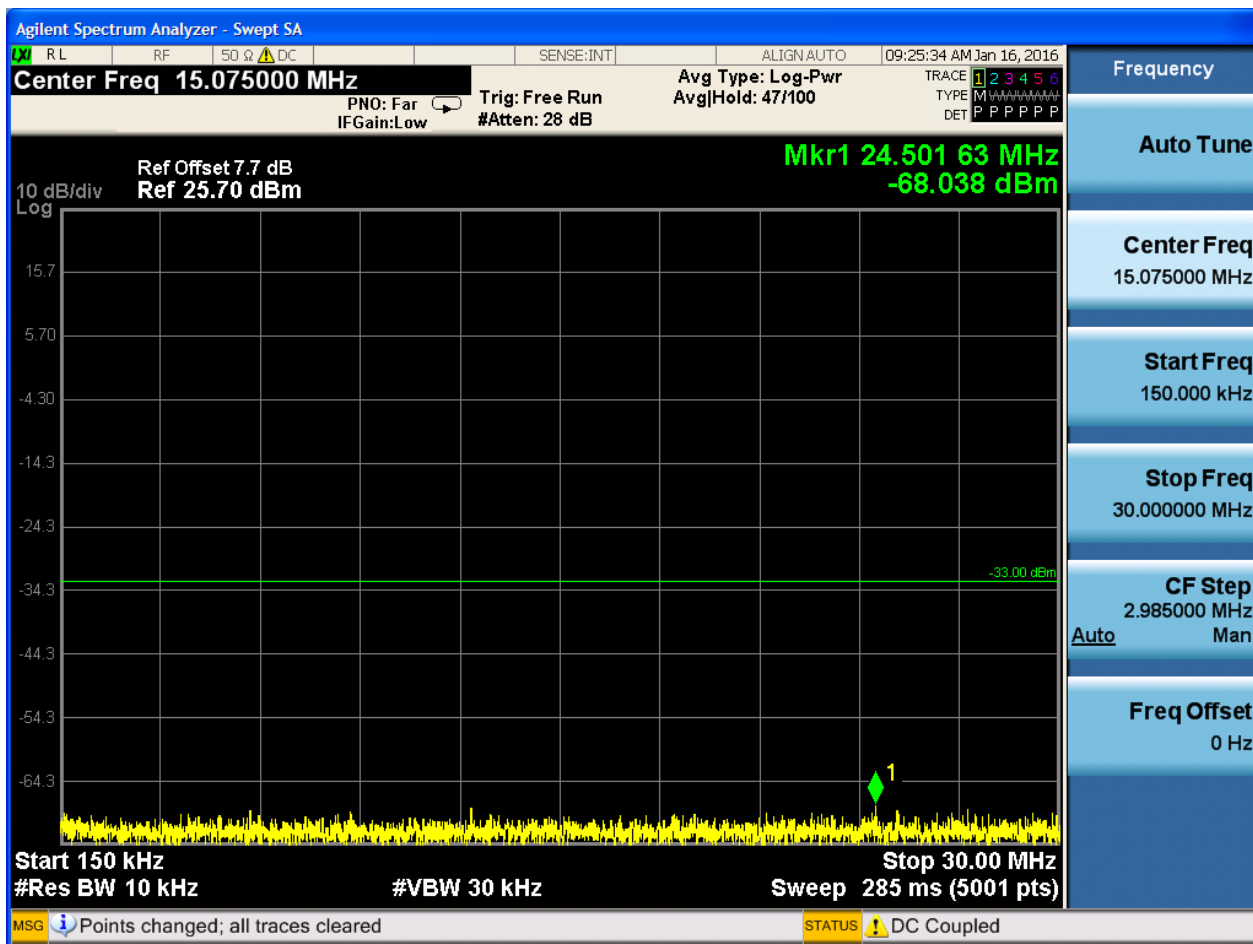


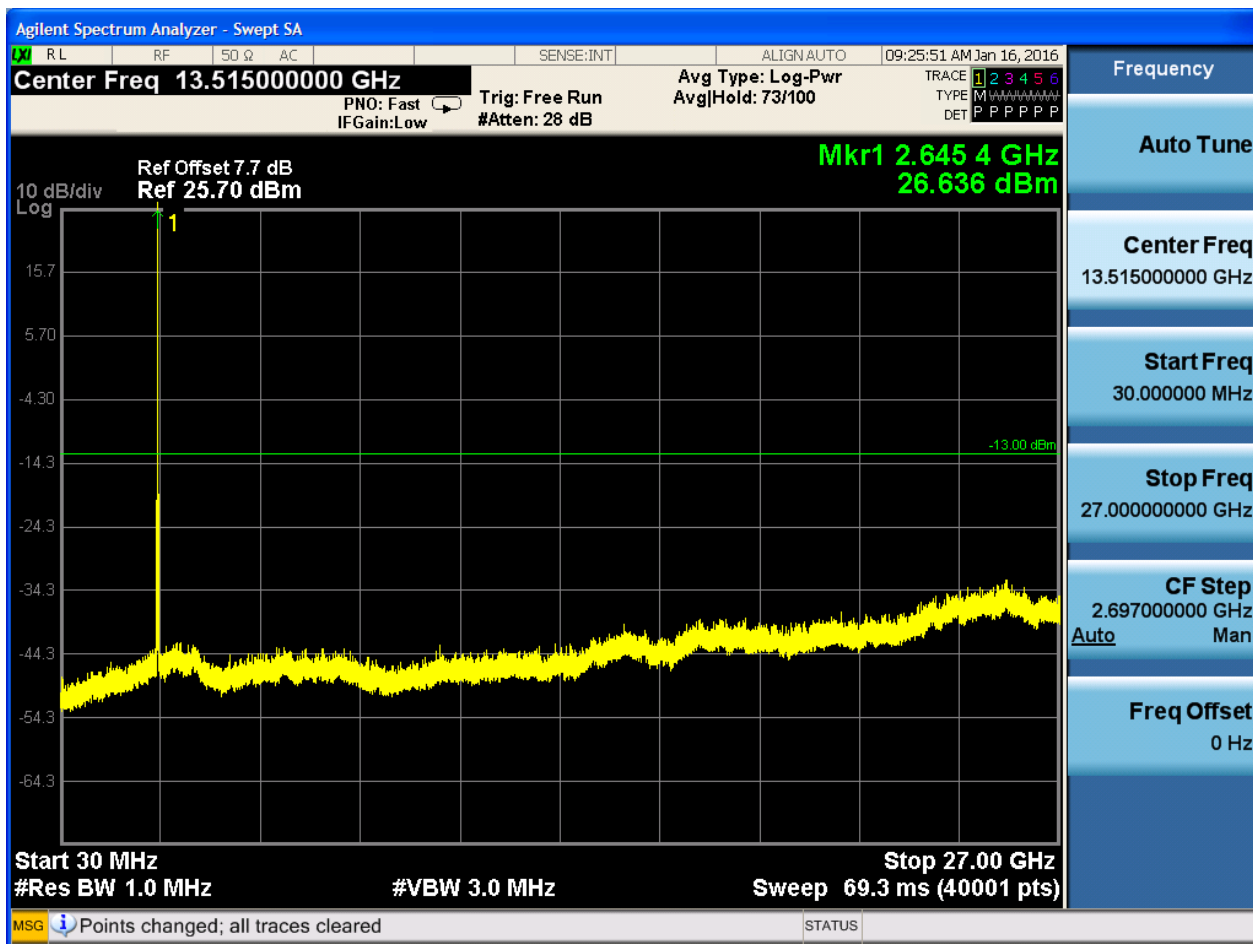


### 6.1.1.2.2.3 Test Channel = HCH

#### 6.1.1.2.2.3.1 Test RB = RB1#0



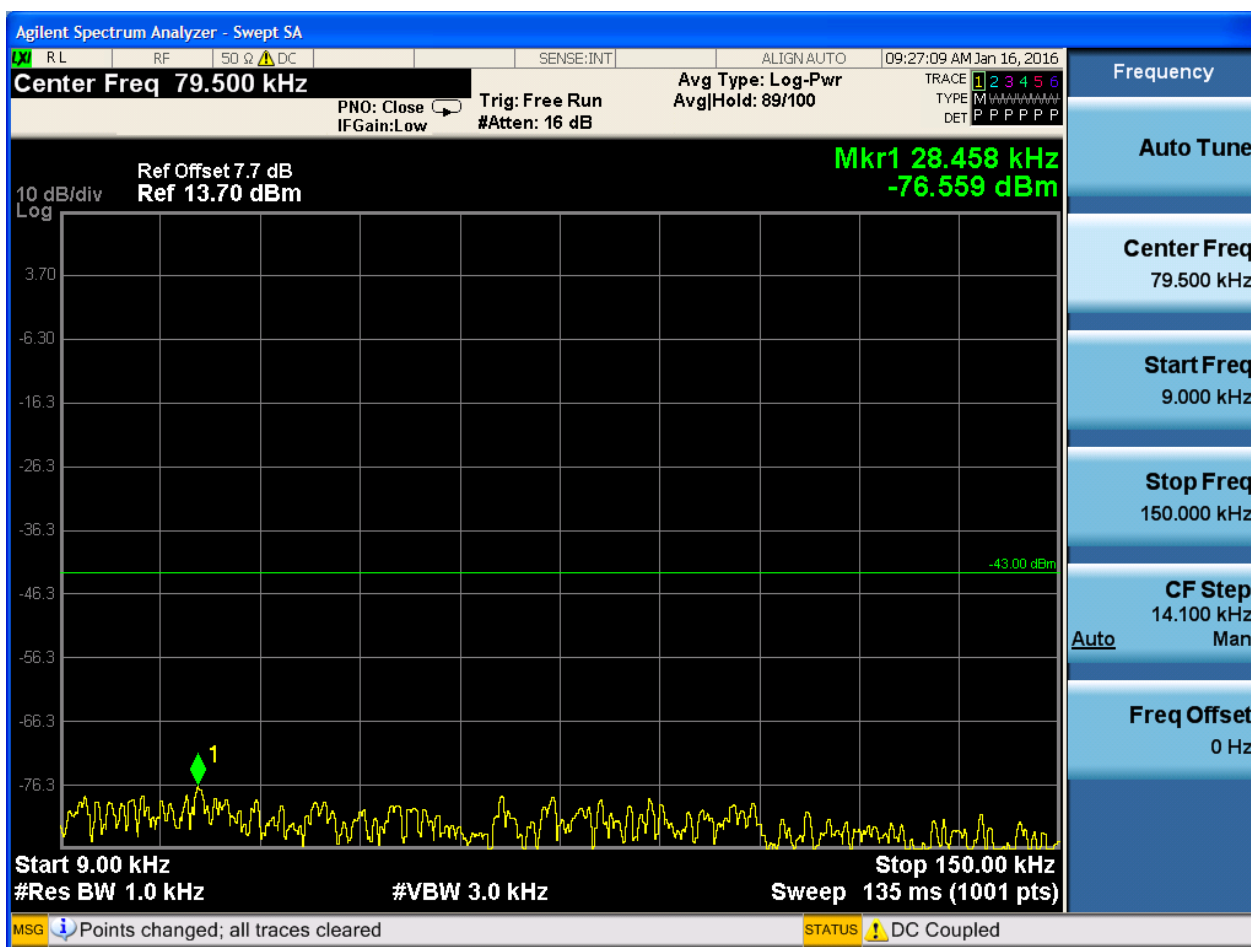




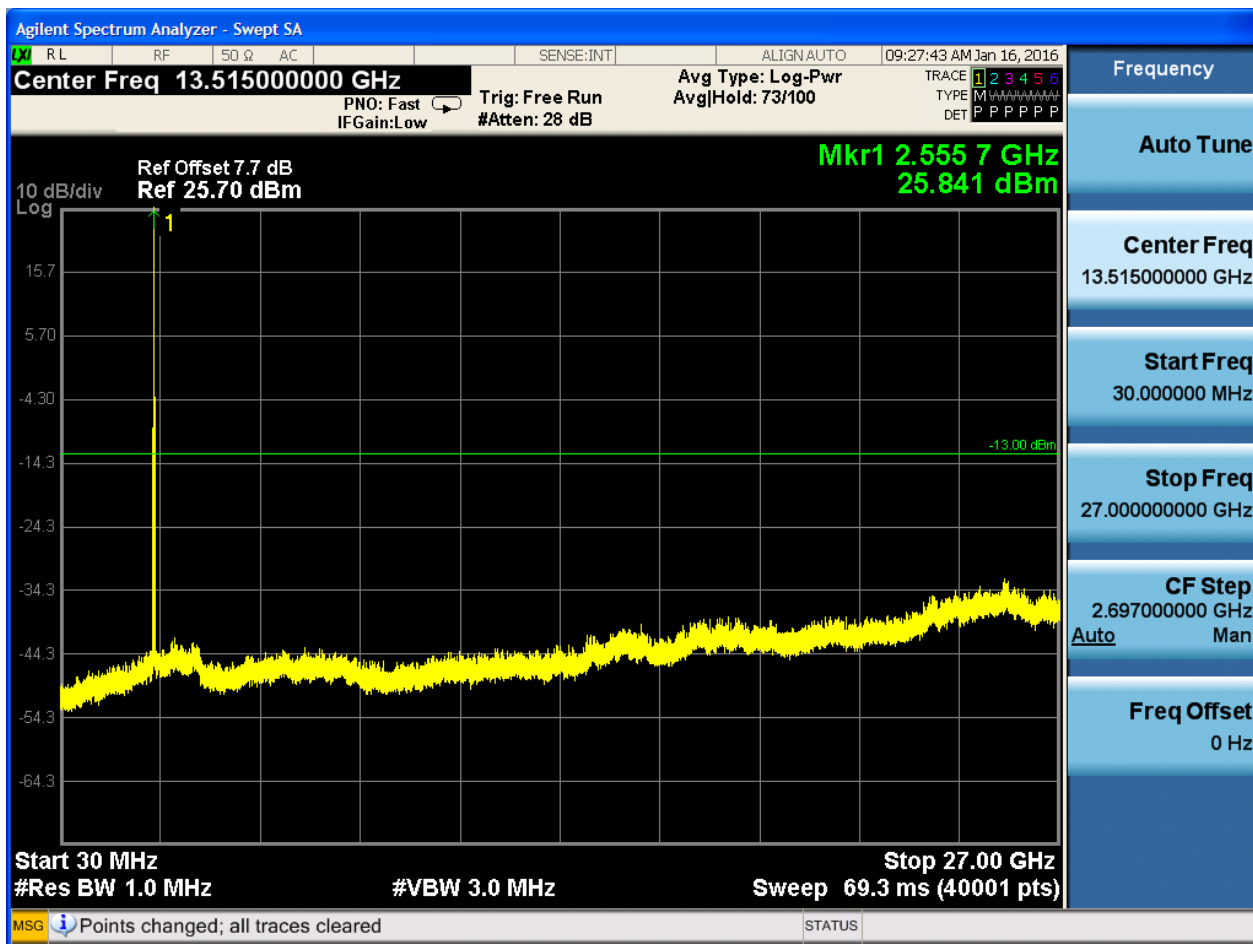
### 6.1.1.2.3 Test Bandwidth = 15

#### 6.1.1.2.3.1 Test Channel = LCH

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

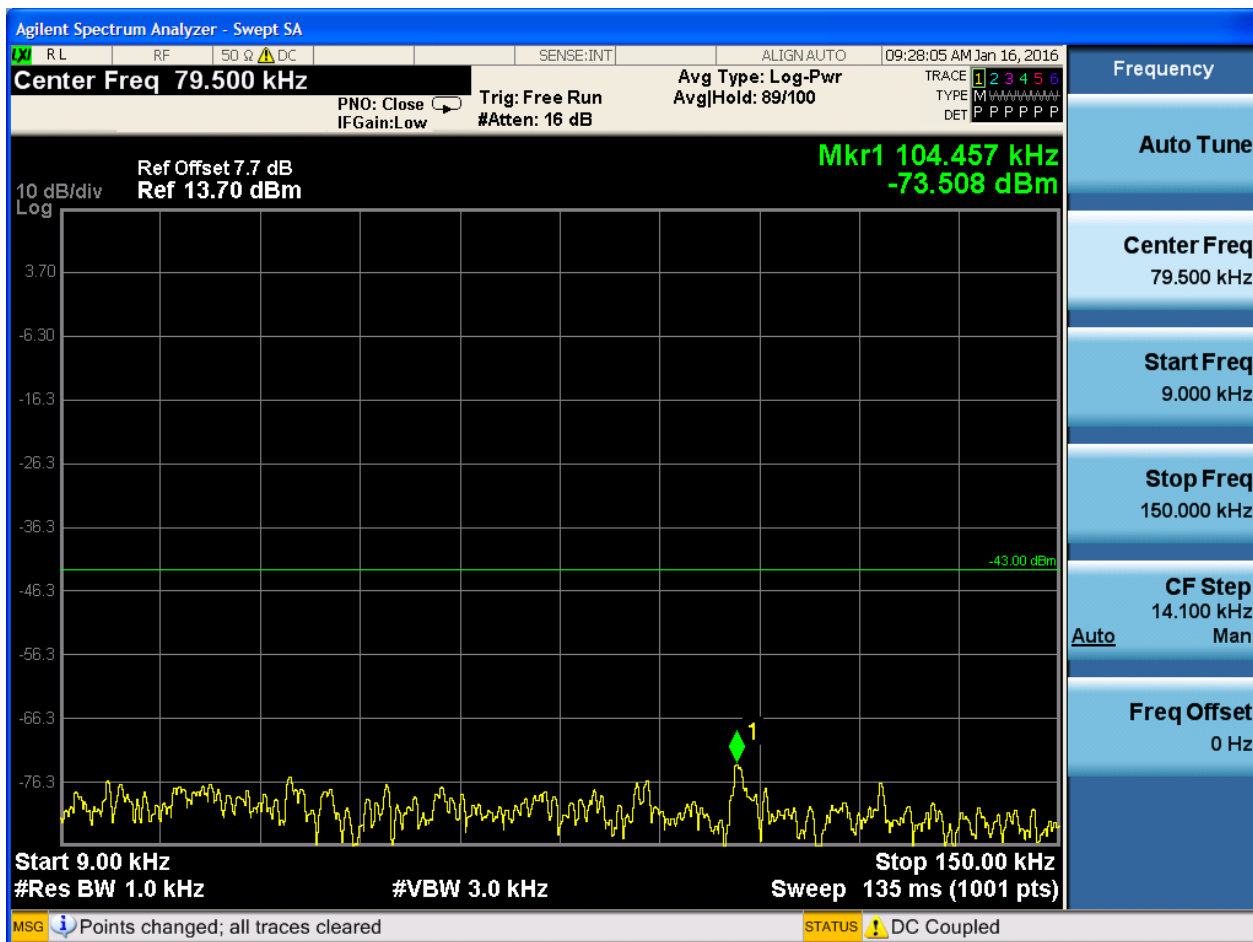


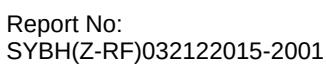


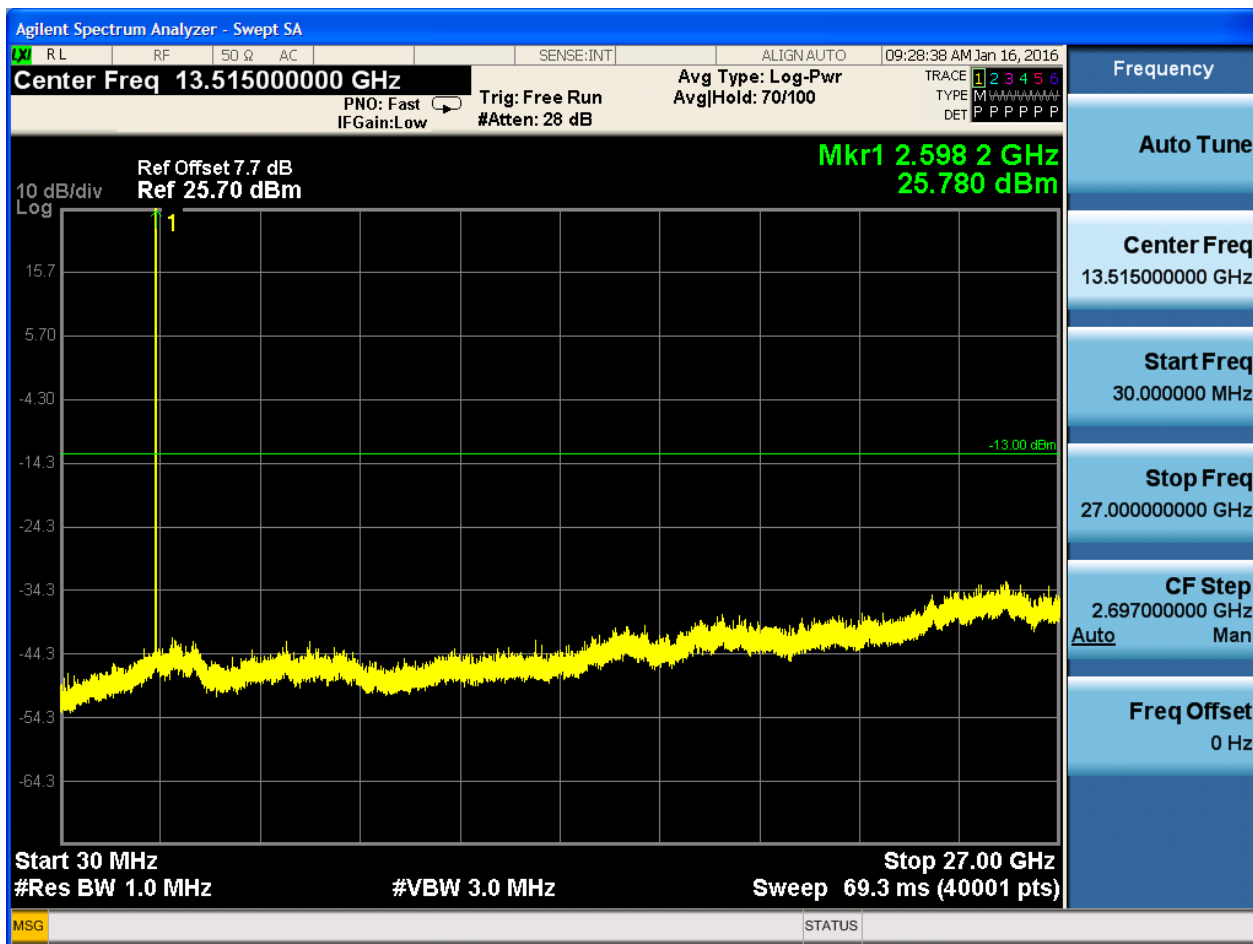


### 6.1.1.2.3.2 Test Channel = MCH

#### 6.1.1.2.3.2.1 Test RB = RB1#0

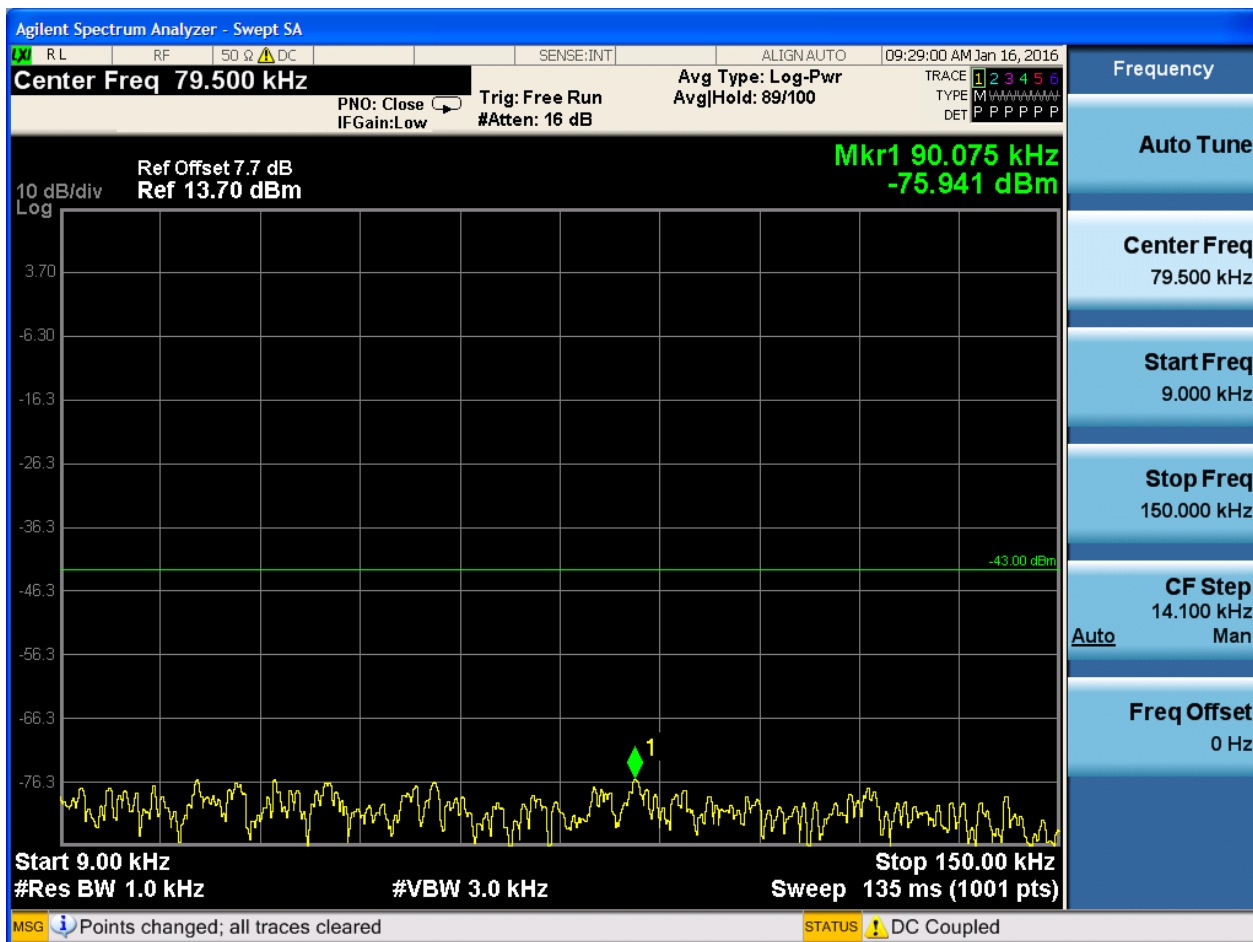


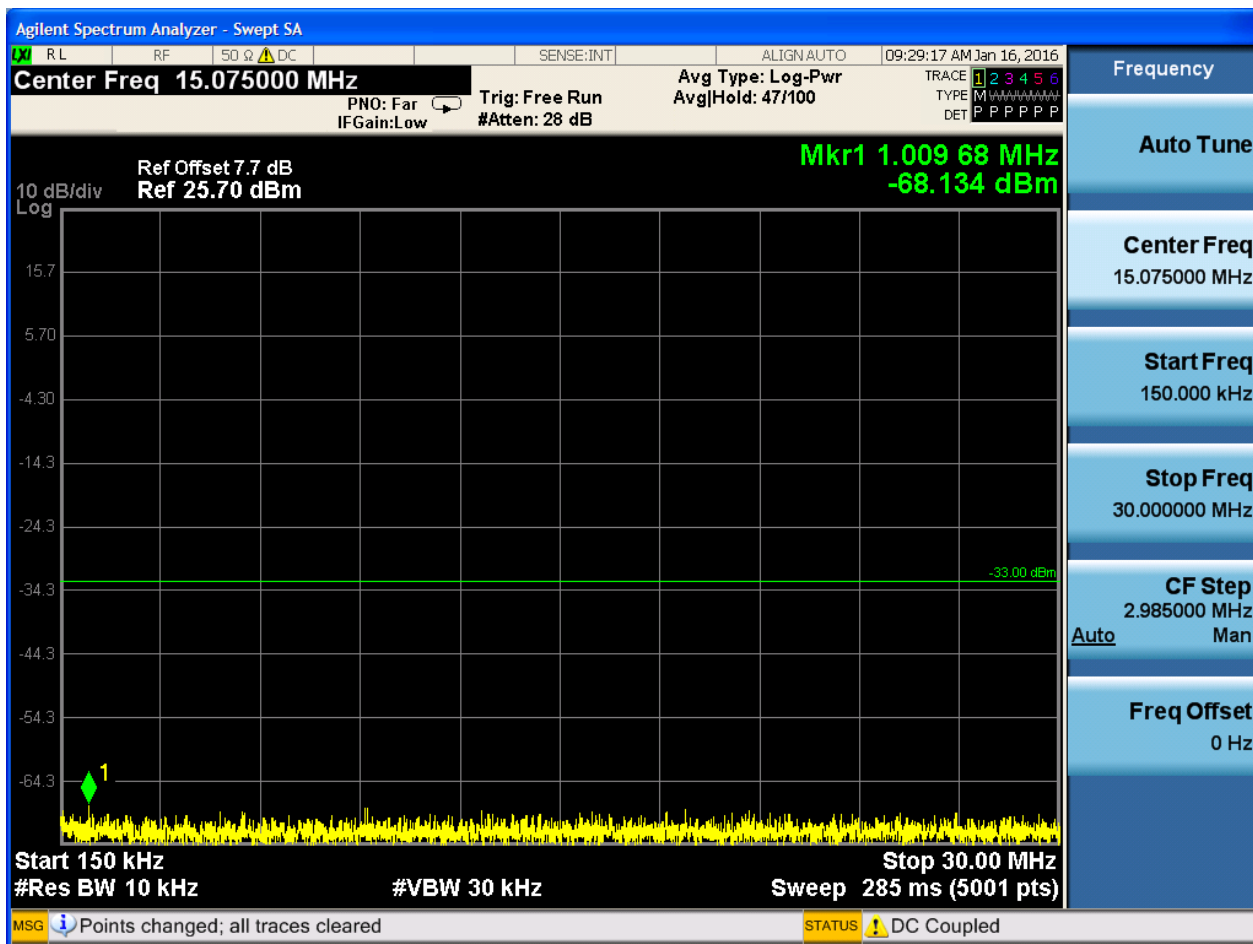


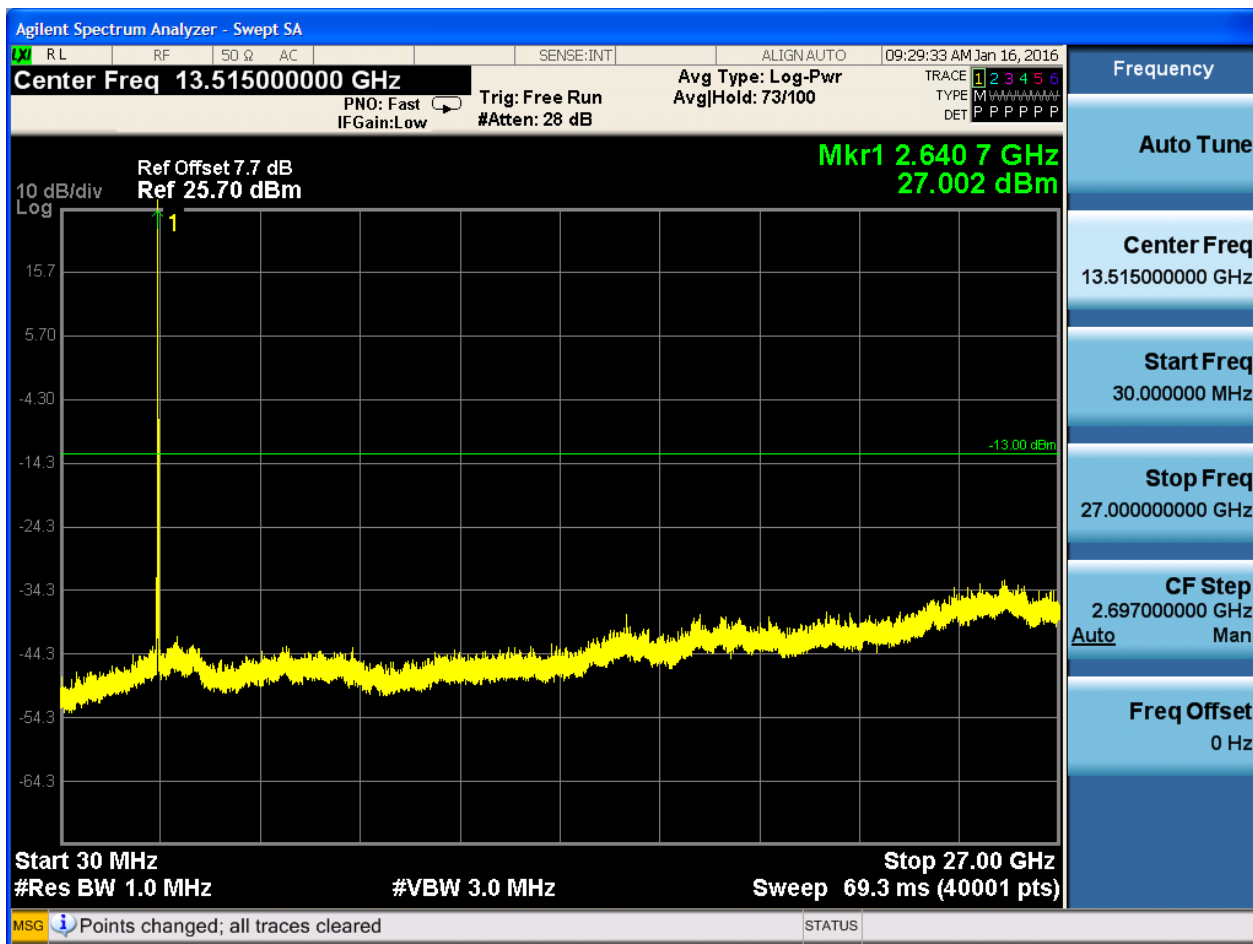


### 6.1.1.2.3.3 Test Channel = HCH

#### 6.1.1.2.3.3.1 Test RB = RB1#0



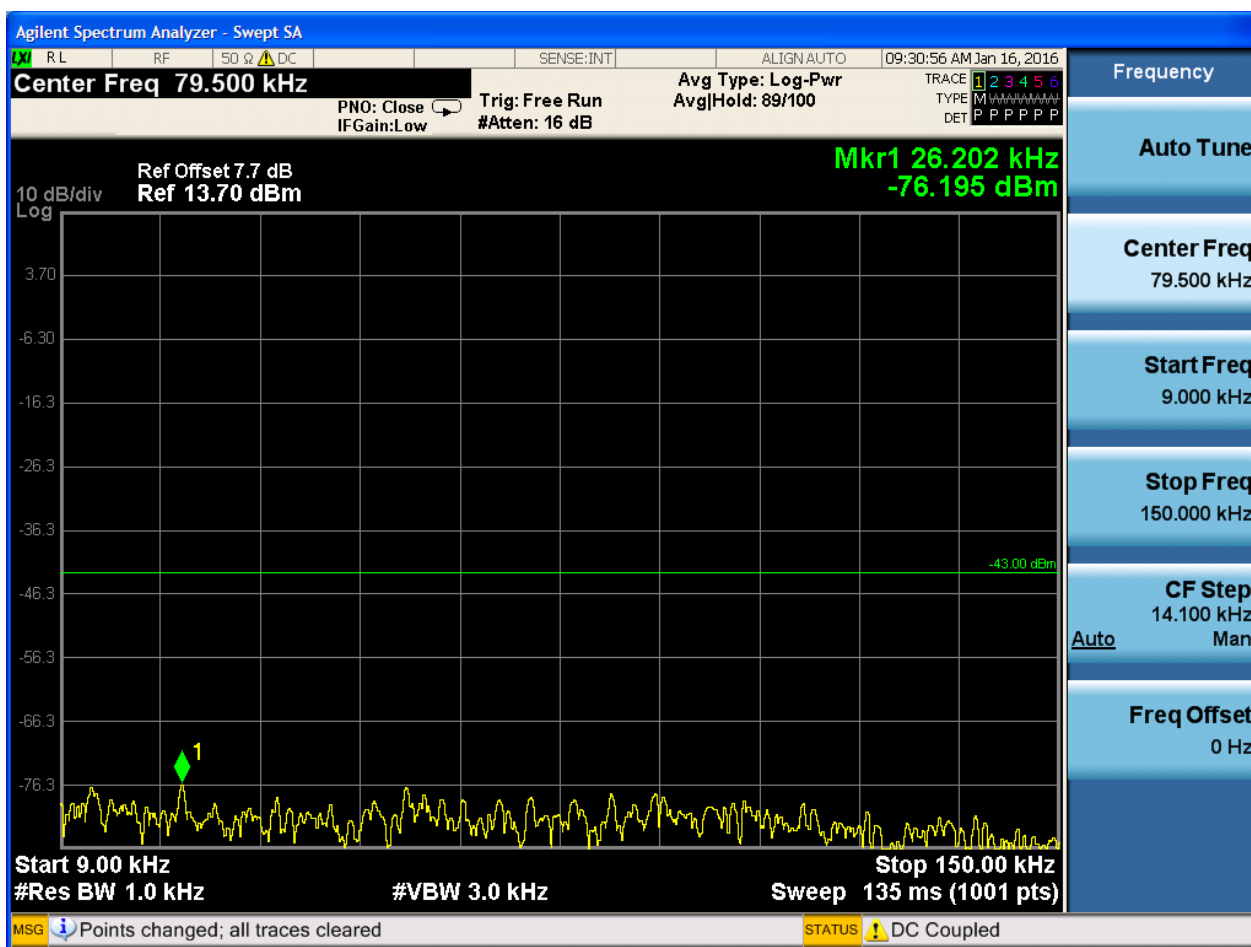


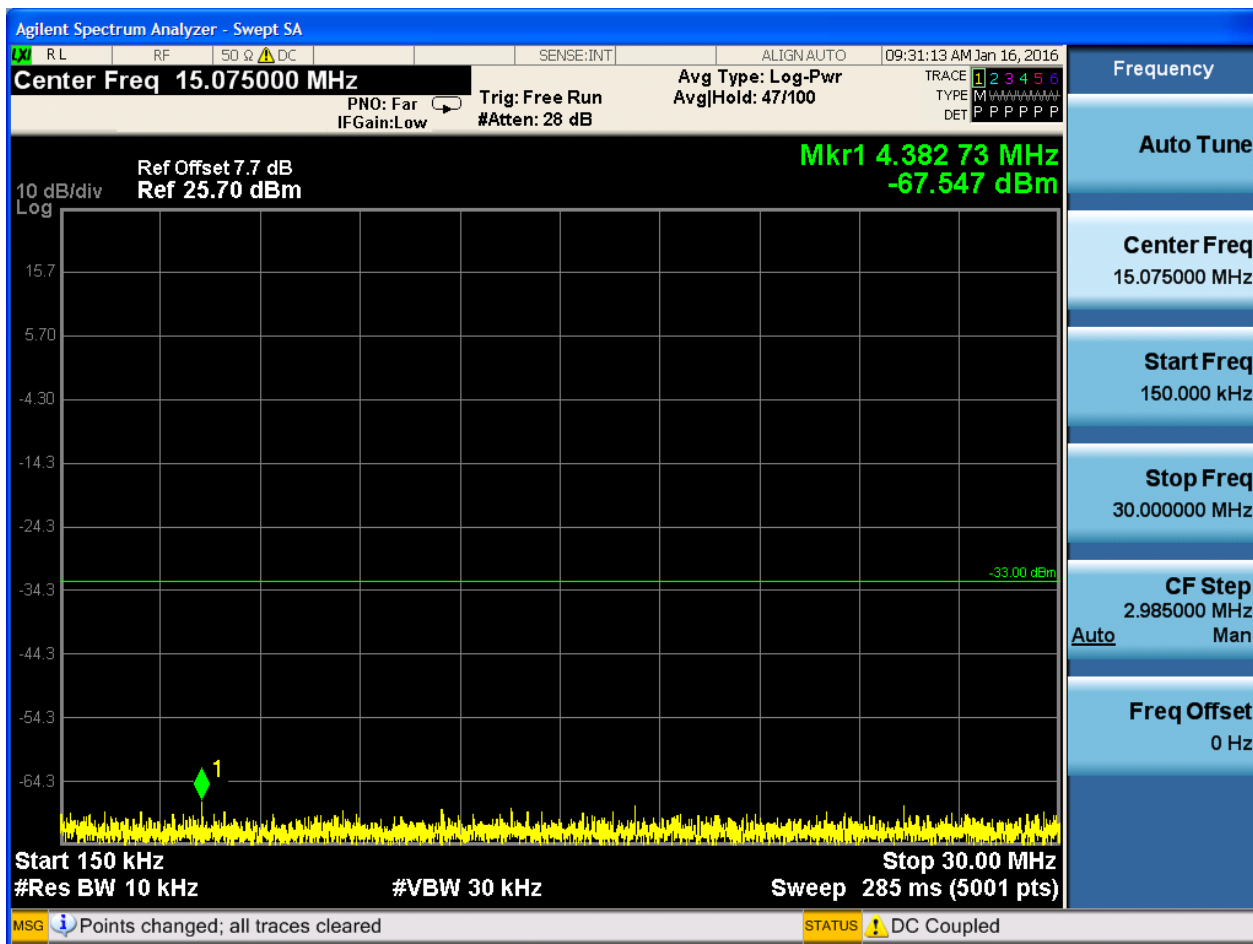


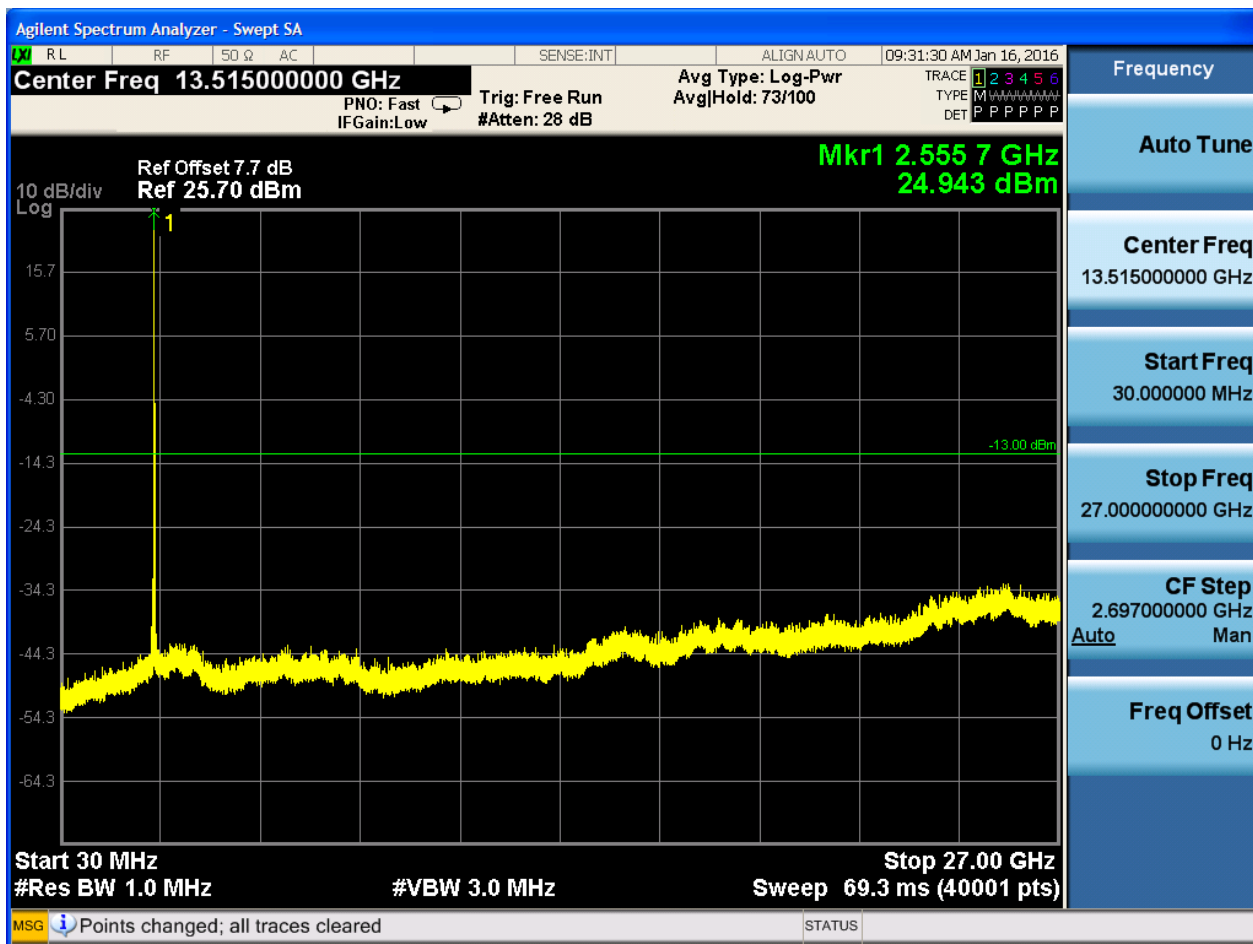
#### 6.1.1.2.4 Test Bandwidth = 20

##### 6.1.1.2.4.1 Test Channel = LCH

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

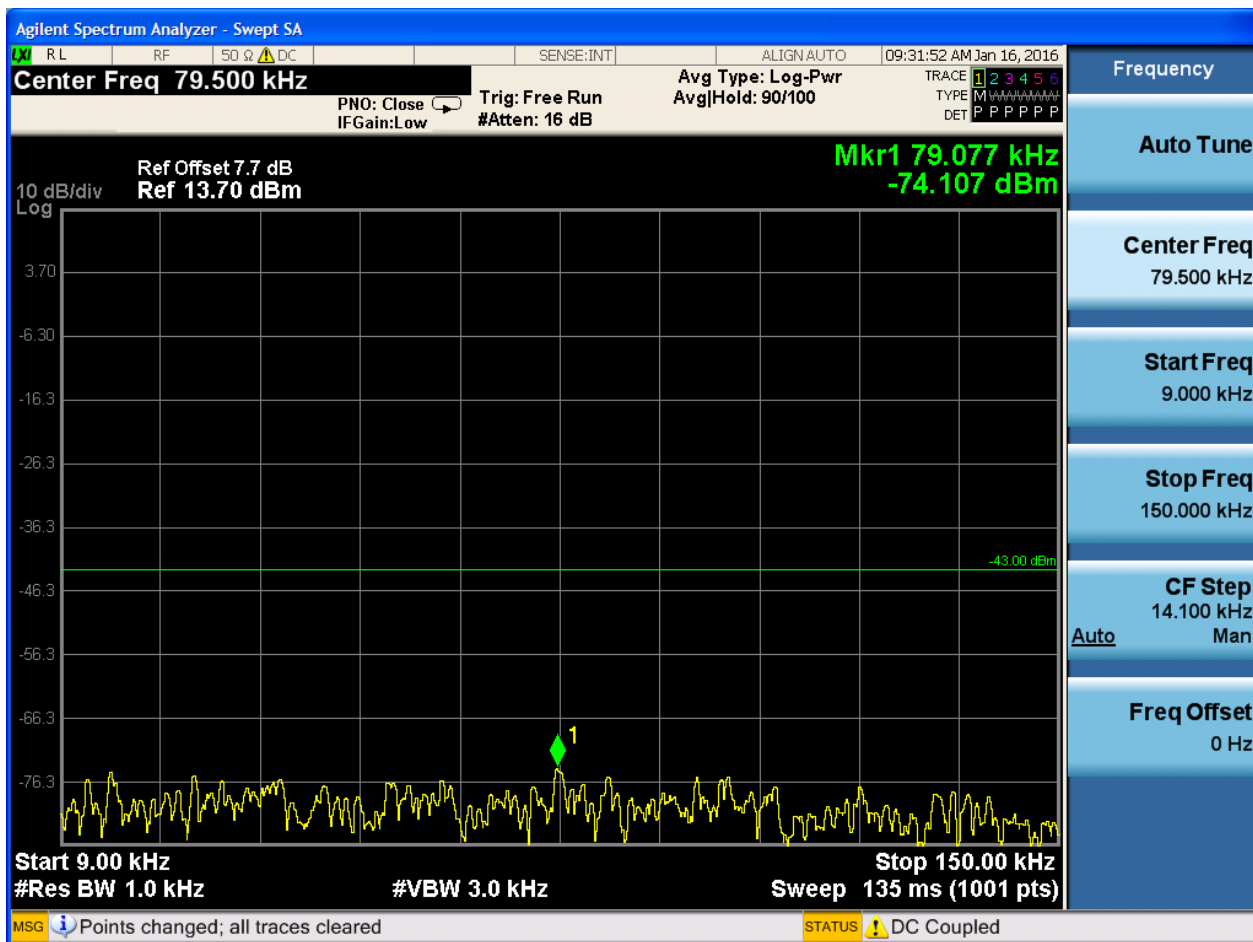


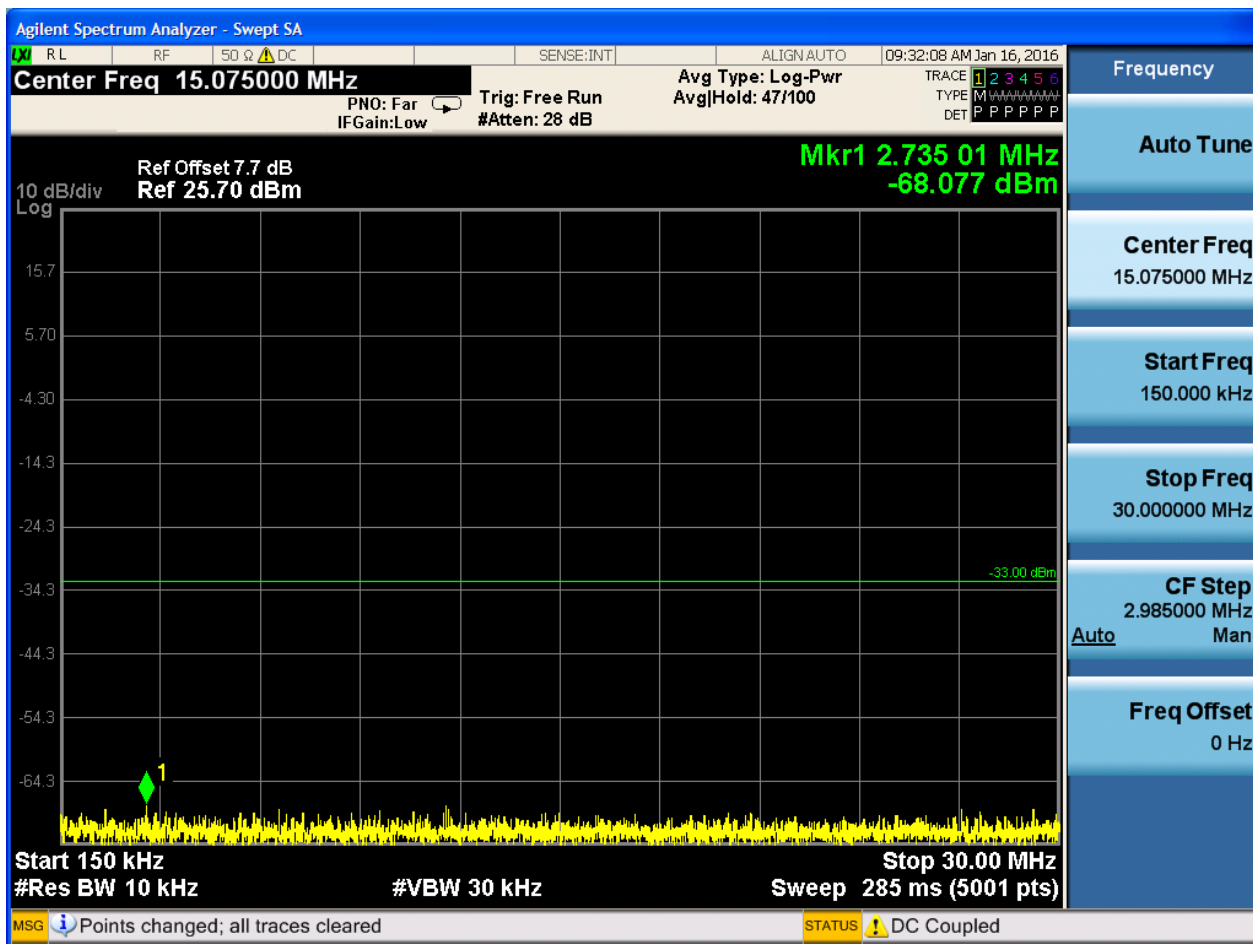


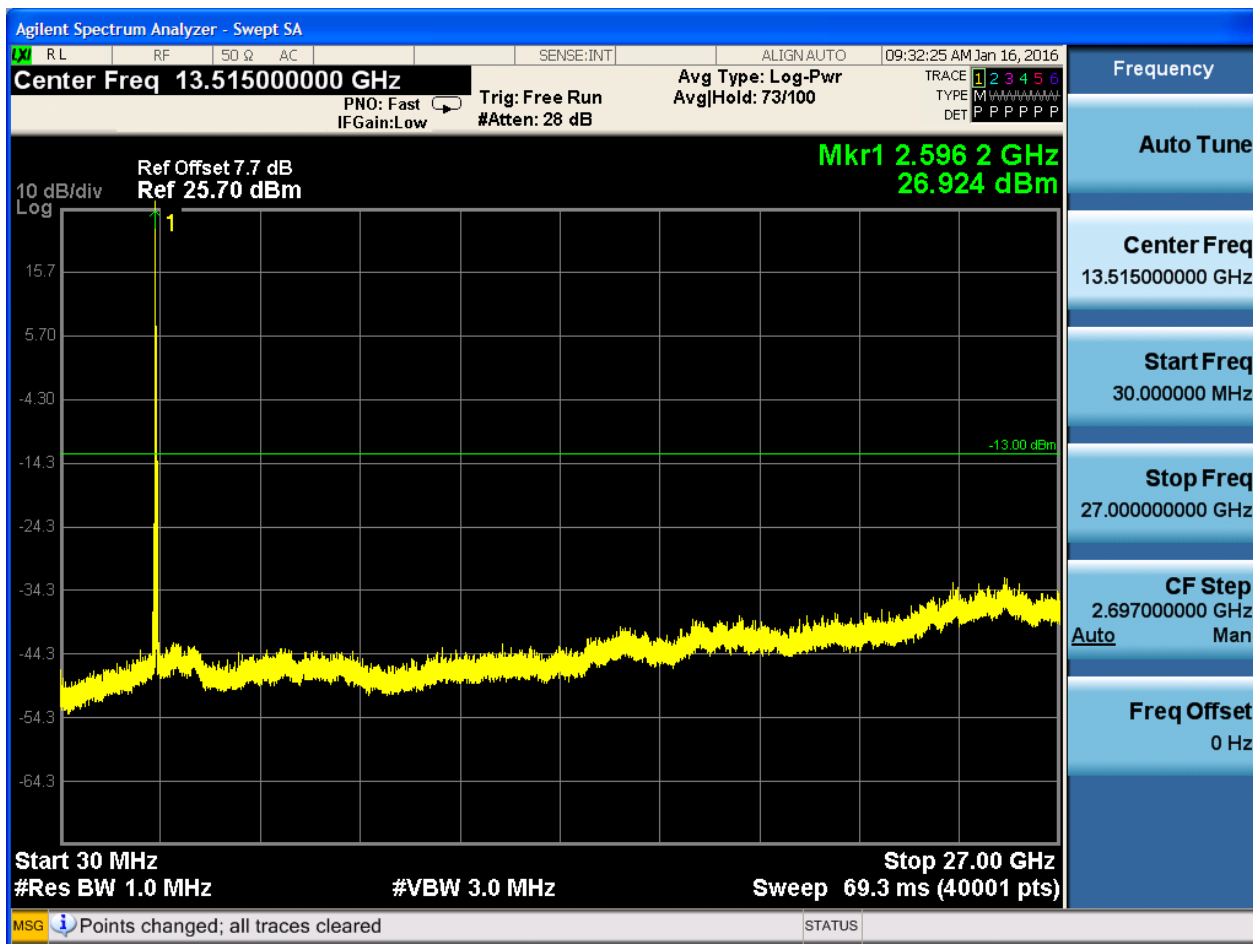


### 6.1.1.2.4.2 Test Channel = MCH

#### 6.1.1.2.4.2.1 Test RB = RB1#0

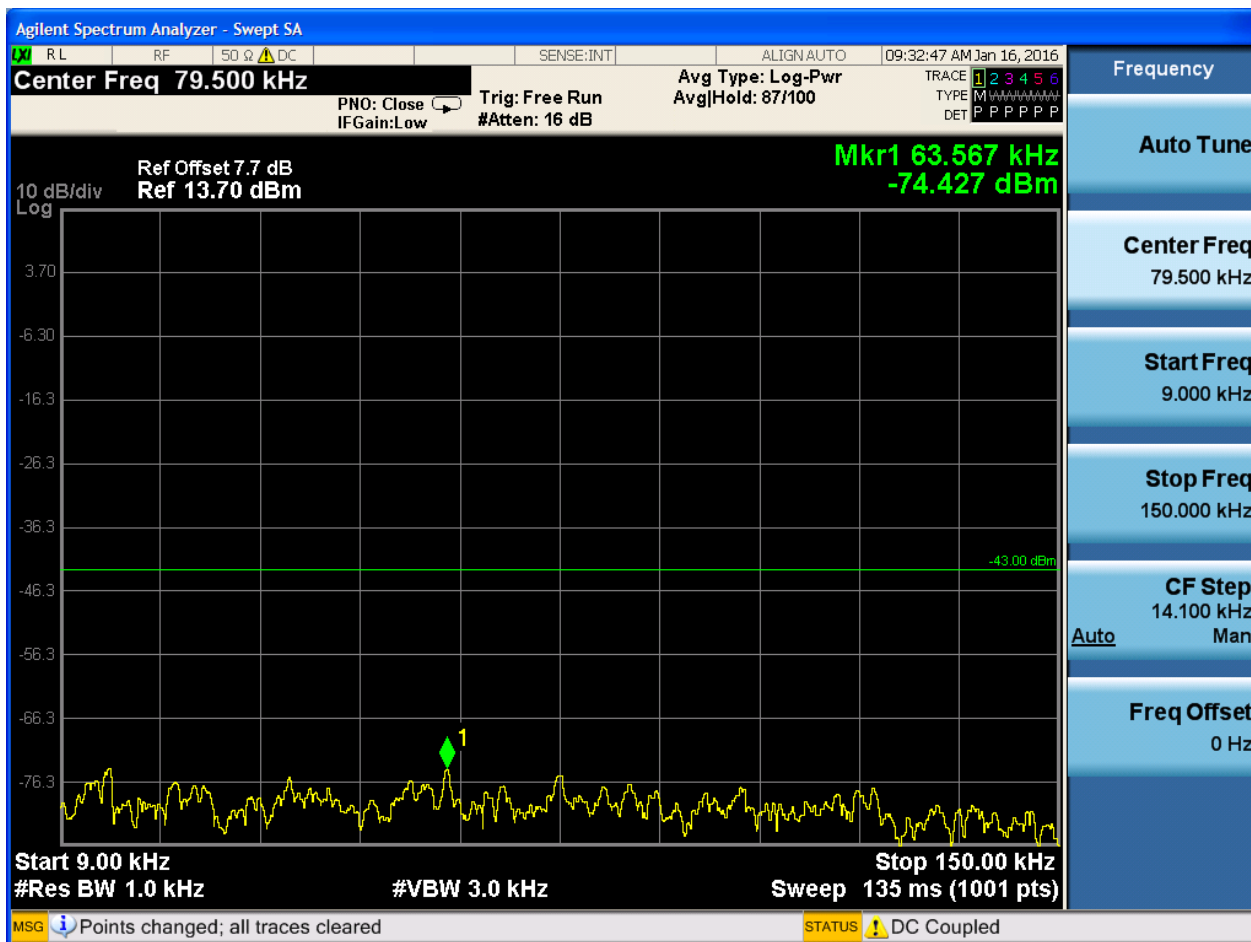


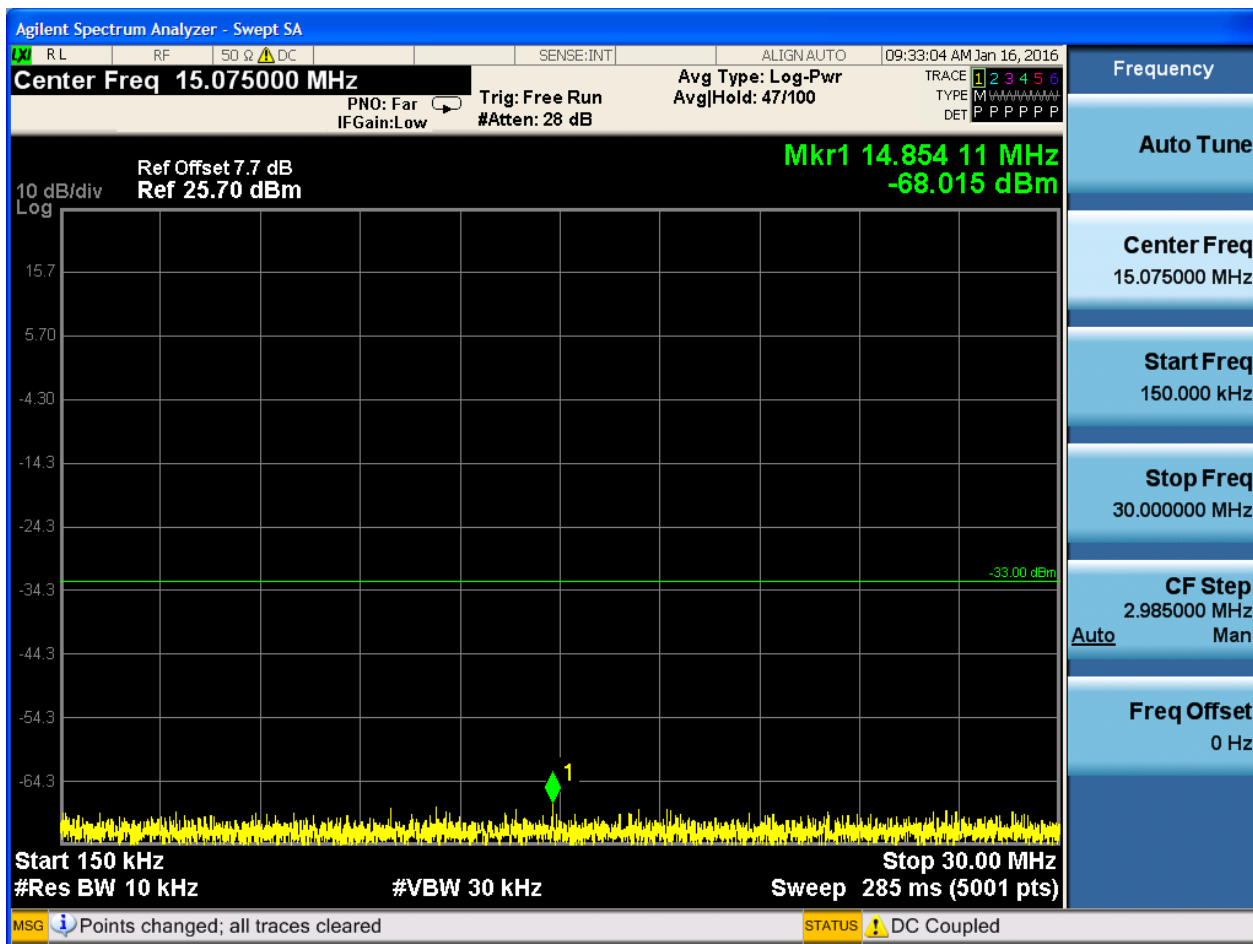


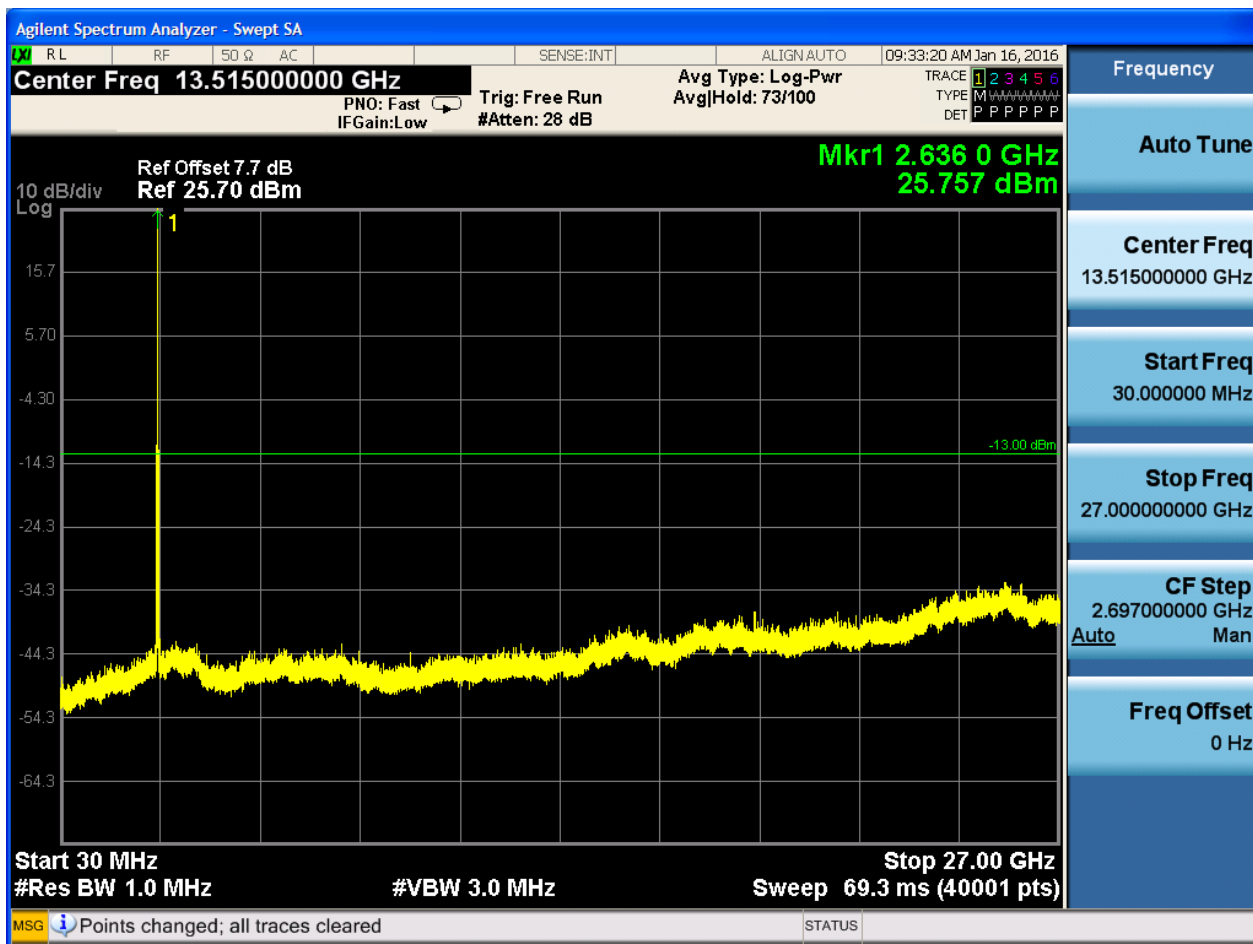


### 6.1.1.2.4.3 Test Channel = HCH

#### 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

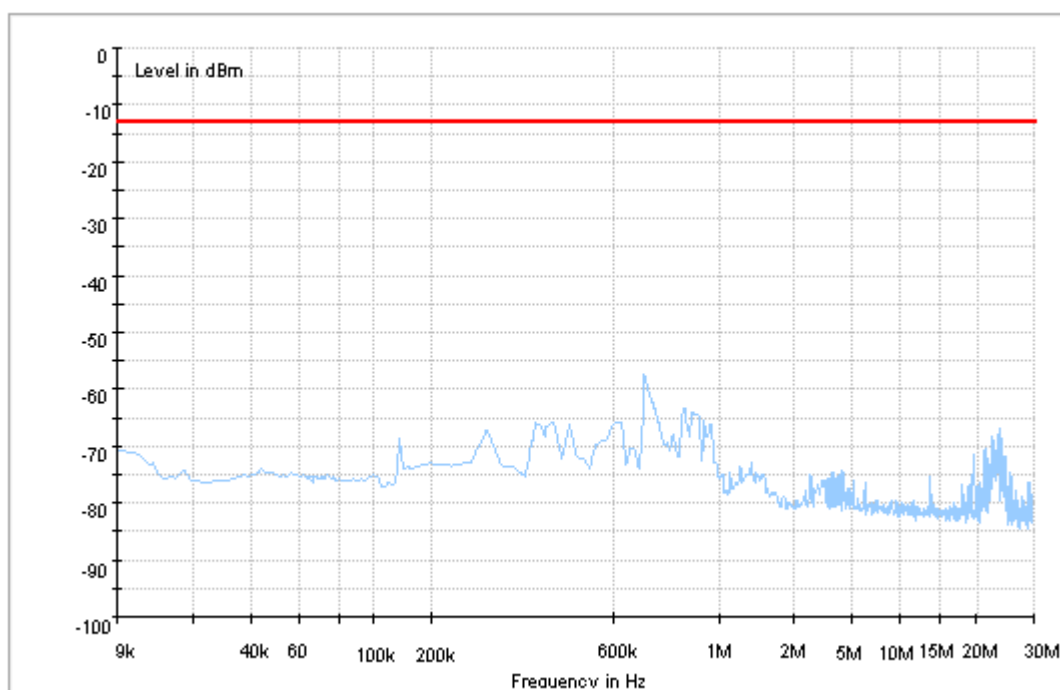
We tested all modes, but the data presented below is the worst case.

### Part I - Test Plots

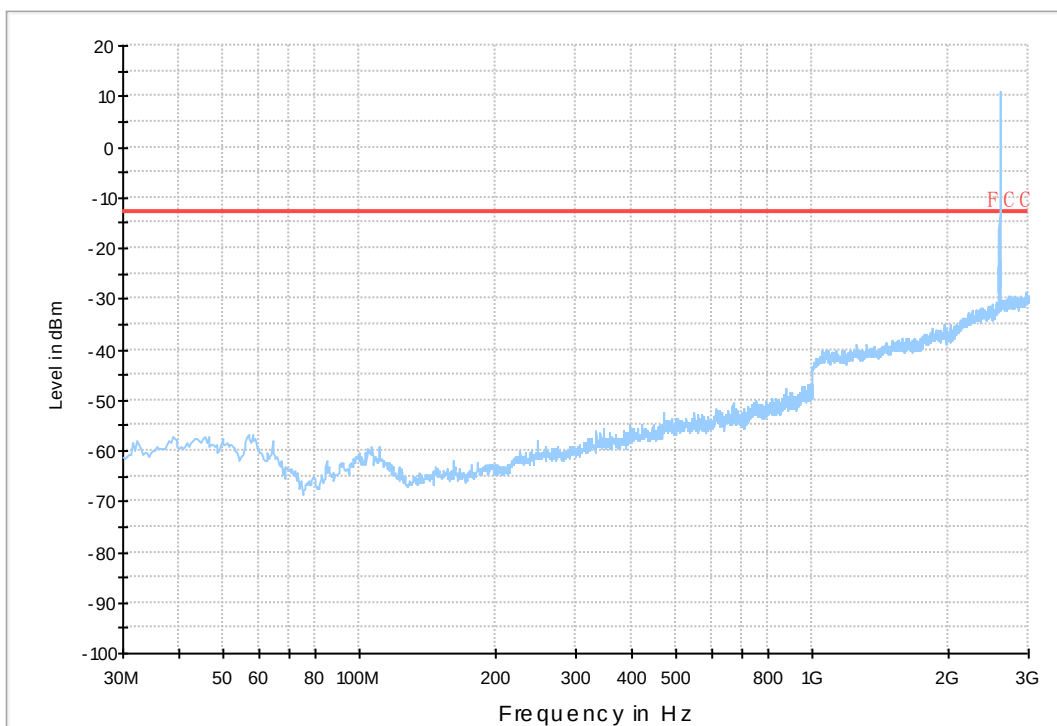
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND41

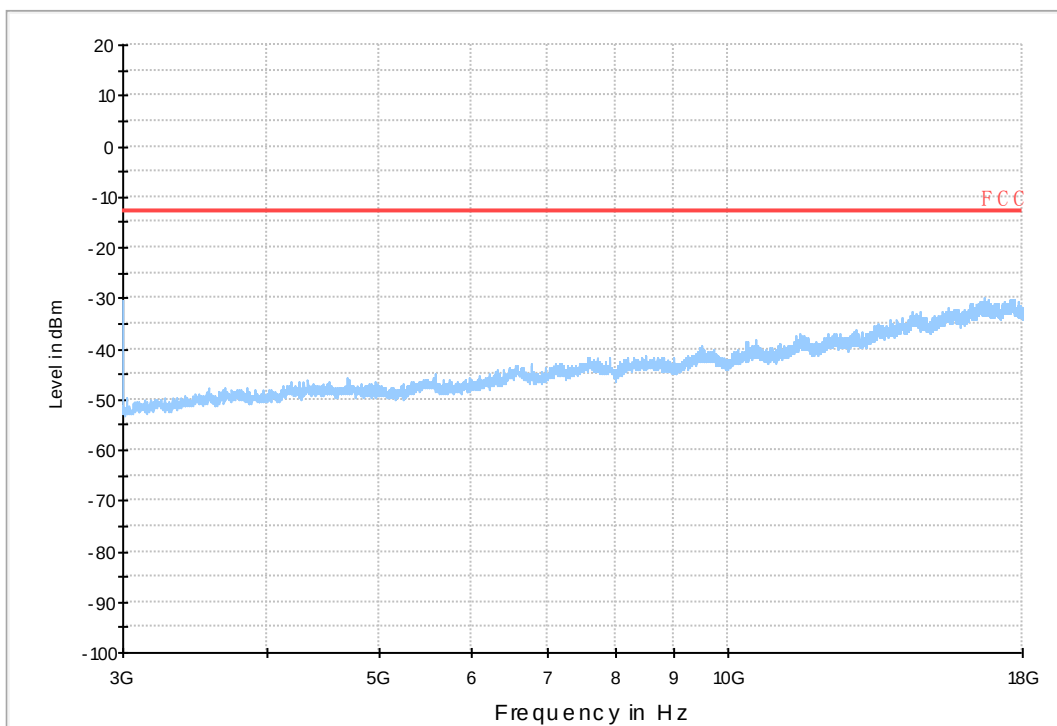
##### 7.1.1.1 Test Bandwidth = 5

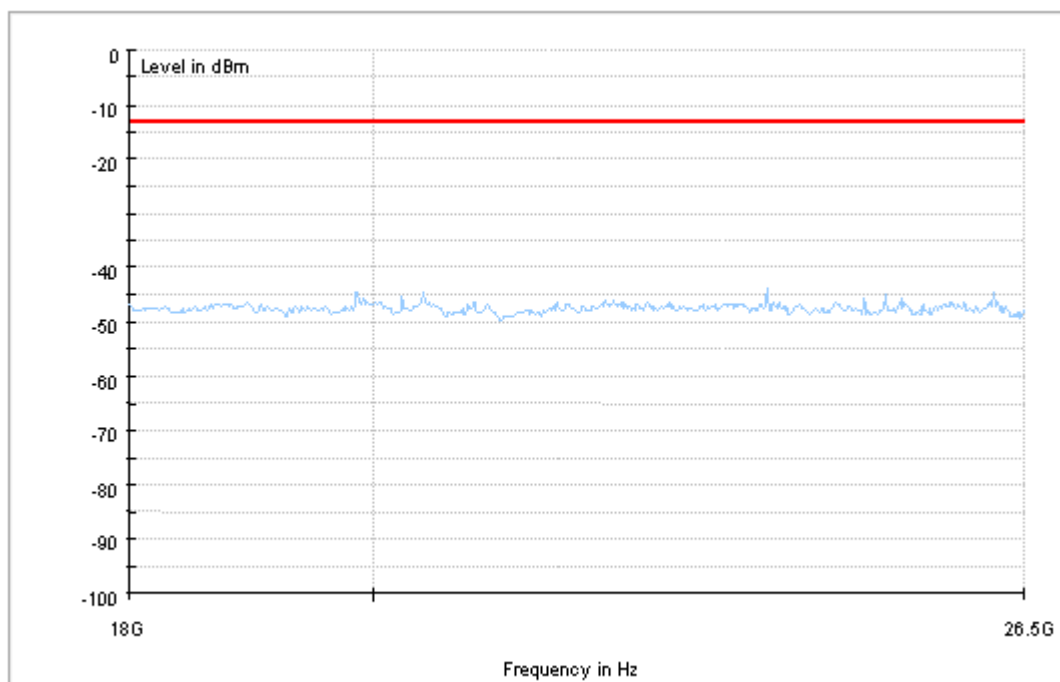


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

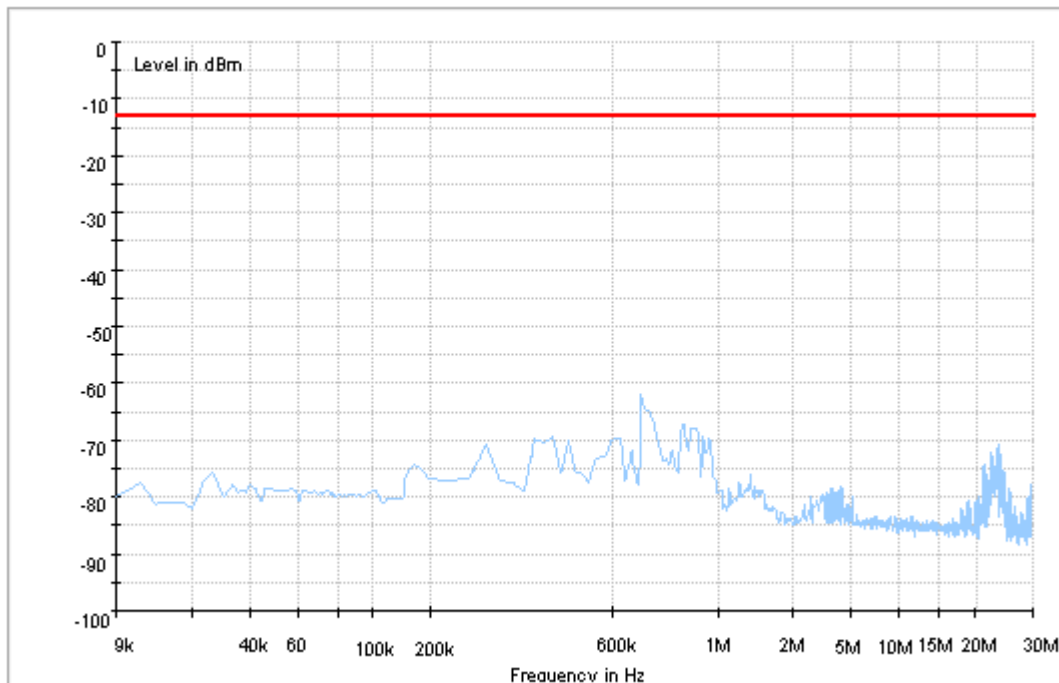


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

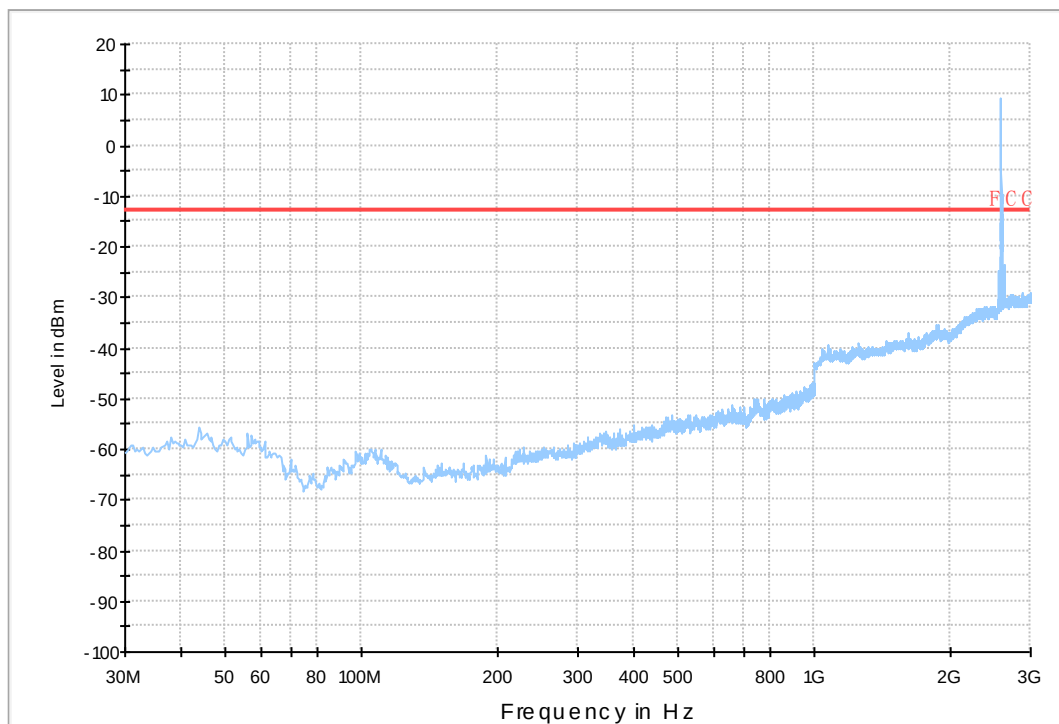




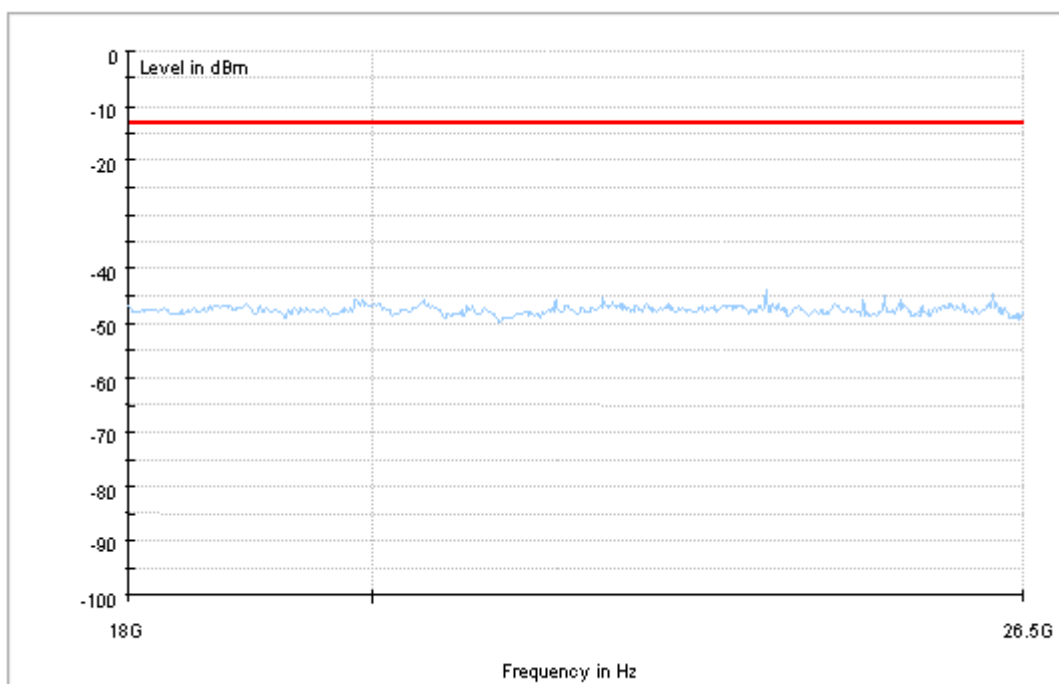
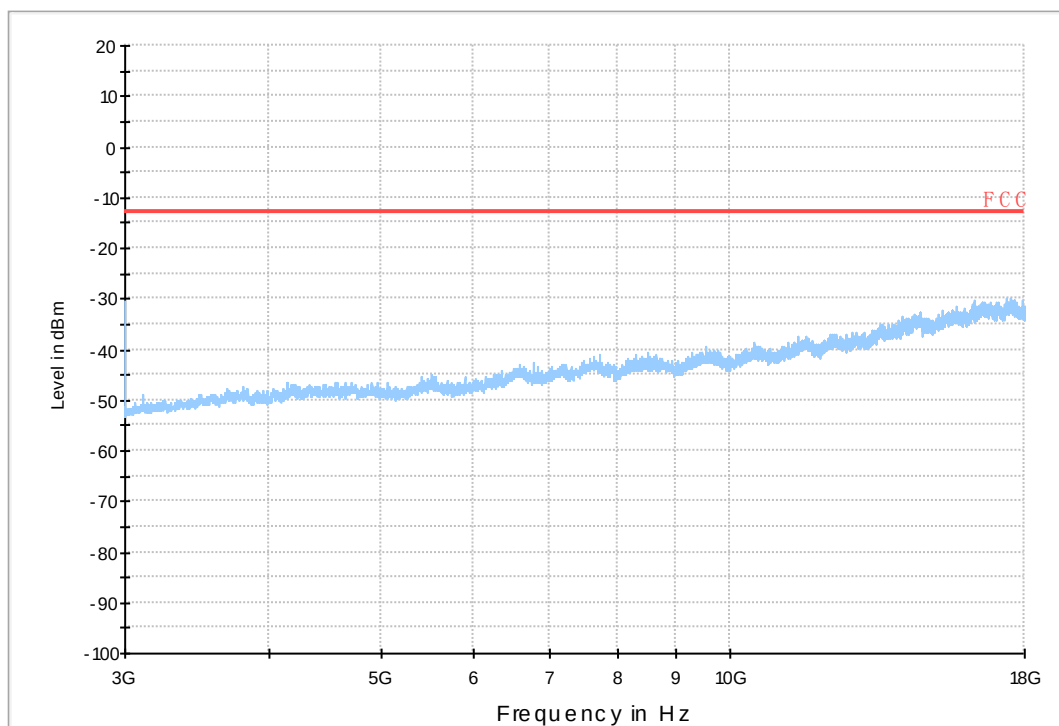
### 7.1.1.2 Test Bandwidth = 20



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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND41    | LTE/TM1   | 5                    | LCH          | TN         | VL         | -1.29            | -0.0005               | PASS    |
|           |           |                      |              |            | VN         | -2.63            | -0.00103              | PASS    |
|           |           |                      |              |            | VH         | -3.38            | -0.00132              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.83            | -0.00147              | PASS    |
|           |           |                      |              |            | VN         | -8.04            | -0.00309              | PASS    |
|           |           |                      |              |            | VH         | -2.42            | -0.00093              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -5.54            | -0.00209              | PASS    |
|           |           |                      |              |            | VN         | -5.76            | -0.00217              | PASS    |
|           |           |                      |              |            | VH         | -4.02            | -0.00152              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -2.95            | -0.00115              | PASS    |
|           |           |                      |              |            | VN         | -2.8             | -0.00109              | PASS    |
|           |           |                      |              |            | VH         | -2.5             | -0.00098              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -5.95            | -0.00228              | PASS    |
|           |           |                      |              |            | VN         | 0.21             | 0.00008               | PASS    |
|           |           |                      |              |            | VH         | -6.04            | -0.00232              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.72            | -0.00103              | PASS    |
|           |           |                      |              |            | VN         | -3.93            | -0.00148              | PASS    |
|           |           |                      |              |            | VH         | -3.19            | -0.0012               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -2.02            | -0.00079              | PASS    |
|           |           |                      |              |            | VN         | -2.06            | -0.0008               | PASS    |
|           |           |                      |              |            | VH         | -1.57            | -0.00061              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.31            | -0.00165              | PASS    |
|           |           |                      |              |            | VN         | -1.57            | -0.0006               | PASS    |
|           |           |                      |              |            | VH         | -2.88            | -0.00111              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.58            | -0.00135              | PASS    |
|           |           |                      |              |            | VN         | -3.22            | -0.00122              | PASS    |
|           |           |                      |              |            | VH         | -3.85            | -0.00145              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -3.69            | -0.00144              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -5.08            | -0.00198              | PASS    |
|           |           |                      |              |            | VH         | -3.98            | -0.00155              | PASS    |
|           |           |                      |              |            | VL         | -4.52            | -0.00174              | PASS    |
|           |           |                      |              |            | VN         | -6.21            | -0.00238              | PASS    |
|           |           |                      |              |            | VH         | -3.1             | -0.00119              | PASS    |
|           |           |                      |              |            | VL         | -4.19            | -0.00158              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -3.72            | -0.00141              | PASS    |
|           |           |                      |              |            | VH         | -4.86            | -0.00184              | PASS    |
|           |           |                      |              |            | VL         | -4.19            | -0.00158              | PASS    |
|           |           |                      |              |            | VN         | -3.72            | -0.00141              | PASS    |
|           |           |                      |              |            | VH         | -4.86            | -0.00184              | PASS    |
|           |           |                      |              |            | VL         | -4.19            | -0.00158              | PASS    |
|           | LTE/TM2   | 5                    | LCH          | TN         | VN         | -0.9             | -0.00035              | PASS    |
|           |           |                      |              |            | VH         | -0.54            | -0.00021              | PASS    |
|           |           |                      |              |            | VL         | -4.98            | -0.00195              | PASS    |
|           |           |                      |              |            | VN         | 0.76             | 0.00029               | PASS    |
|           |           |                      |              |            | VH         | -6.42            | -0.00246              | PASS    |
|           |           |                      |              |            | VL         | -4.02            | -0.00154              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -4.32            | -0.00163              | PASS    |
|           |           |                      |              |            | VH         | -5.65            | -0.00213              | PASS    |
|           |           |                      |              |            | VL         | -2.66            | -0.001                | PASS    |
|           |           |                      |              |            | VN         | -4.32            | -0.00163              | PASS    |
|           |           |                      |              |            | VH         | -5.65            | -0.00213              | PASS    |
|           |           |                      |              |            | VL         | -2.66            | -0.001                | PASS    |
|           |           | 10                   | LCH          | TN         | VN         | 3.35             | 0.00131               | PASS    |
|           |           |                      |              |            | VH         | -15.28           | -0.00597              | PASS    |
|           |           |                      |              |            | VL         | -1.59            | -0.00062              | PASS    |
|           |           |                      |              |            | VN         | -1.69            | -0.00065              | PASS    |
|           |           |                      |              |            | VH         | -3.45            | -0.00132              | PASS    |
|           |           |                      |              |            | VL         | 2.29             | 0.00088               | PASS    |
|           |           |                      | MCH          | TN         | VN         | -3.68            | -0.00139              | PASS    |
|           |           |                      |              |            | VH         | 0.21             | 0.00008               | PASS    |
|           |           |                      |              |            | VL         | -7.93            | -0.00299              | PASS    |
|           |           |                      |              |            | VN         | -1.16            | -0.00045              | PASS    |
|           |           |                      |              |            | VH         | -3.12            | -0.00122              | PASS    |
|           |           |                      |              |            | VL         | -1.87            | -0.00073              | PASS    |
|           |           | 15                   | LCH          | TN         | VN         | -4.91            | -0.00188              | PASS    |
|           |           |                      |              |            | VH         | -2.83            | -0.00109              | PASS    |
|           |           |                      |              |            | VL         | -0.23            | -0.00009              | PASS    |
|           |           |                      |              |            | VN         | -1.44            | -0.00054              | PASS    |
|           |           |                      |              |            | VH         | -2.25            | -0.00085              | PASS    |
|           |           |                      |              |            | VL         | -1.52            | -0.00057              | PASS    |
|           |           | HCH                  | TN           |            | VN         | -0.8             | -0.00031              | PASS    |
|           |           |                      |              |            | VH         | -2.13            | -0.00083              | PASS    |
|           |           |                      |              |            | VL         | -4.18            | -0.00163              | PASS    |
|           |           |                      |              |            | VN         | -7.1             | -0.00273              | PASS    |
|           |           |                      |              |            | VH         | -7.1             | -0.00273              | PASS    |
|           |           |                      |              |            | VL         | -7.1             | -0.00273              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -8.08            | -0.0031               | PASS    |
|           |           |                      |              |            | VH         | -6.67            | -0.00256              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -4.09            | -0.00155              | PASS    |
|           |           |                      |              |            | VN         | -4.16            | -0.00157              | PASS    |
|           |           |                      |              |            | VH         | -10.26           | -0.00388              | 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 |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| BAND41    | LTE/TM1   | 5                    | LCH          | VN         | -30         | -0.62            | -0.00024              | PASS    |
|           |           |                      |              |            | -20         | -1.79            | -0.0007               | PASS    |
|           |           |                      |              |            | -10         | -2.19            | -0.00086              | PASS    |
|           |           |                      |              |            | 0           | -1.79            | -0.0007               | PASS    |
|           |           |                      |              |            | 10          | -2.56            | -0.001                | PASS    |
|           |           |                      |              |            | 20          | -2.2             | -0.00086              | PASS    |
|           |           |                      |              |            | 30          | -6.97            | -0.00273              | PASS    |
|           |           |                      |              |            | 40          | -3.08            | -0.0012               | PASS    |
|           |           |                      |              |            | 50          | -1.47            | -0.00057              | PASS    |
|           |           |                      | MCH          | VN         | -30         | -6.41            | -0.00246              | PASS    |
|           |           |                      |              |            | -20         | -3.92            | -0.0015               | PASS    |
|           |           |                      |              |            | -10         | -2.65            | -0.00102              | PASS    |
|           |           |                      |              |            | 0           | -4.42            | -0.0017               | PASS    |
|           |           |                      |              |            | 10          | -5.39            | -0.00207              | PASS    |
|           |           |                      |              |            | 20          | -5.56            | -0.00213              | PASS    |
|           |           |                      |              |            | 30          | -3.49            | -0.00134              | PASS    |
|           |           |                      |              |            | 40          | -7.15            | -0.00274              | PASS    |
|           |           |                      |              |            | 50          | -1.16            | -0.00045              | PASS    |
|           |           |                      | HCH          | VN         | -30         | -5.32            | -0.00201              | PASS    |
|           |           |                      |              |            | -20         | -3.71            | -0.0014               | PASS    |
|           |           |                      |              |            | -10         | -5.05            | -0.0019               | PASS    |
|           |           |                      |              |            | 0           | -8.31            | -0.00313              | PASS    |
|           |           |                      |              |            | 10          | -3.88            | -0.00146              | PASS    |
|           |           |                      |              |            | 20          | -4.63            | -0.00175              | PASS    |
|           |           |                      |              |            | 30          | -0.6             | -0.00023              | PASS    |
|           |           |                      |              |            | 40          | -4.49            | -0.00169              | PASS    |
|           |           |                      |              |            | 50          | -3.85            | -0.00145              | PASS    |
|           |           | 10                   | LCH          | VN         | -30         | -4.11            | -0.00161              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20         | -3.36            | -0.00131              | PASS    |
|           |           |                      |              |            | -10         | -2.63            | -0.00103              | PASS    |
|           |           |                      |              |            | 0           | -4.96            | -0.00194              | PASS    |
|           |           |                      |              |            | 10          | -4.35            | -0.0017               | PASS    |
|           |           |                      |              |            | 20          | -2.49            | -0.00097              | PASS    |
|           |           |                      |              |            | 30          | -1.86            | -0.00073              | PASS    |
|           |           |                      |              |            | 40          | -4.35            | -0.0017               | PASS    |
|           |           |                      |              |            | 50          | 0.41             | 0.00016               | PASS    |
|           |           |                      | MCH          | VN         | -30         | -2.25            | -0.00086              | PASS    |
|           |           |                      |              |            | -20         | -0.19            | -0.00007              | PASS    |
|           |           |                      |              |            | -10         | -4.42            | -0.0017               | PASS    |
|           |           |                      |              |            | 0           | -0.79            | -0.0003               | PASS    |
|           |           |                      |              |            | 10          | -5.28            | -0.00203              | PASS    |
|           |           |                      |              |            | 20          | -3.46            | -0.00133              | PASS    |
|           |           |                      |              |            | 30          | -3.23            | -0.00124              | PASS    |
|           |           |                      |              |            | 40          | -2.06            | -0.00079              | PASS    |
|           |           |                      |              |            | 50          | -2.3             | -0.00088              | PASS    |
|           |           |                      | HCH          | VN         | -30         | -1.16            | -0.00044              | PASS    |
|           |           |                      |              |            | -20         | -4.38            | -0.00165              | PASS    |
|           |           |                      |              |            | -10         | -2.8             | -0.00106              | PASS    |
|           |           |                      |              |            | 0           | -6.24            | -0.00235              | PASS    |
|           |           |                      |              |            | 10          | -3.98            | -0.0015               | PASS    |
|           |           |                      |              |            | 20          | -0.07            | -0.00003              | PASS    |
|           |           |                      |              |            | 30          | -5.61            | -0.00212              | PASS    |
|           |           |                      |              |            | 40          | -4.03            | -0.00152              | PASS    |
|           |           |                      |              |            | 50          | -3.46            | -0.00131              | PASS    |
|           |           | 15                   | LCH          | VN         | -30         | -0.96            | -0.00037              | PASS    |
|           |           |                      |              |            | -20         | -0.04            | -0.00002              | PASS    |
|           |           |                      |              |            | -10         | -5.24            | -0.00204              | PASS    |
|           |           |                      |              |            | 0           | 0.26             | 0.0001                | PASS    |
|           |           |                      |              |            | 10          | -0.87            | -0.00034              | PASS    |
|           |           |                      |              |            | 20          | -1.53            | -0.0006               | PASS    |
|           |           |                      |              |            | 30          | -1.97            | -0.00077              | PASS    |
|           |           |                      |              |            | 40          | -2.89            | -0.00113              | PASS    |
|           |           |                      |              |            | 50          | -1.96            | -0.00076              | PASS    |
|           |           |                      | MCH          | VN         | -30         | -2.99            | -0.00115              | PASS    |
|           |           |                      |              |            | -20         | -5.42            | -0.00208              | PASS    |
|           |           |                      |              |            | -10         | -3.53            | -0.00136              | PASS    |
|           |           |                      |              |            | 0           | -5.19            | -0.00199              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10          | -2.47            | -0.00095              | PASS    |
|           |           |                      |              |            | 20          | -0.72            | -0.00028              | PASS    |
|           |           |                      |              |            | 30          | -3.18            | -0.00122              | PASS    |
|           |           |                      |              |            | 40          | -3.71            | -0.00142              | PASS    |
|           |           |                      |              |            | 50          | -2.07            | -0.00079              | PASS    |
|           |           |                      | HCH          | VN         | -30         | -2.22            | -0.00084              | PASS    |
|           |           |                      |              |            | -20         | -2.78            | -0.00105              | PASS    |
|           |           |                      |              |            | -10         | -5.08            | -0.00192              | PASS    |
|           |           |                      |              |            | 0           | -2.17            | -0.00082              | PASS    |
|           |           |                      |              |            | 10          | -3.58            | -0.00135              | PASS    |
|           |           |                      |              |            | 20          | -3.86            | -0.00146              | PASS    |
|           |           |                      |              |            | 30          | -2.33            | -0.00088              | PASS    |
|           |           |                      |              |            | 40          | -3.72            | -0.00141              | PASS    |
|           |           |                      |              |            | 50          | -2.35            | -0.00089              | PASS    |
|           |           | 20                   | LCH          | VN         | -30         | -0.63            | -0.00025              | PASS    |
|           |           |                      |              |            | -20         | 0.24             | 0.00009               | PASS    |
|           |           |                      |              |            | -10         | -4.42            | -0.00172              | PASS    |
|           |           |                      |              |            | 0           | -4.39            | -0.00171              | PASS    |
|           |           |                      |              |            | 10          | -3.46            | -0.00135              | PASS    |
|           |           |                      |              |            | 20          | -3.3             | -0.00129              | PASS    |
|           |           |                      |              |            | 30          | -2.7             | -0.00105              | PASS    |
|           |           |                      |              |            | 40          | -2.26            | -0.00088              | PASS    |
|           |           |                      |              |            | 50          | -0.36            | -0.00014              | PASS    |
|           |           |                      | MCH          | VN         | -30         | -3.78            | -0.00145              | PASS    |
|           |           |                      |              |            | -20         | -2.98            | -0.00114              | PASS    |
|           |           |                      |              |            | -10         | -4.25            | -0.00163              | PASS    |
|           |           |                      |              |            | 0           | -5.72            | -0.0022               | PASS    |
|           |           |                      |              |            | 10          | -2.33            | -0.00089              | PASS    |
|           |           |                      |              |            | 20          | -3.53            | -0.00136              | PASS    |
|           |           |                      |              |            | 30          | -6.77            | -0.0026               | PASS    |
|           |           |                      |              |            | 40          | -3.58            | -0.00137              | PASS    |
|           |           |                      |              |            | 50          | -2.09            | -0.0008               | PASS    |
|           |           |                      | HCH          | VN         | -30         | -3.15            | -0.00119              | PASS    |
|           |           |                      |              |            | -20         | -1.32            | -0.0005               | PASS    |
|           |           |                      |              |            | -10         | -2.42            | -0.00091              | PASS    |
|           |           |                      |              |            | 0           | -1.9             | -0.00072              | PASS    |
|           |           |                      |              |            | 10          | -2.68            | -0.00101              | PASS    |
|           |           |                      |              |            | 20          | -3.06            | -0.00116              | PASS    |
|           |           |                      |              |            | 30          | -3.5             | -0.00132              | 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          | -2.16            | -0.00082              | PASS    |
|           |           |                      |              |            | 50          | -6.15            | -0.00233              | PASS    |
|           |           |                      | LCH          | VN         | -30         | -4.18            | -0.00163              | PASS    |
|           |           |                      |              |            | -20         | 1.89             | 0.00074               | PASS    |
|           |           |                      |              |            | -10         | -1.7             | -0.00066              | PASS    |
|           |           |                      |              |            | 0           | -2.82            | -0.0011               | PASS    |
|           |           |                      |              |            | 10          | -0.73            | -0.00029              | PASS    |
|           |           |                      |              |            | 20          | -0.37            | -0.00014              | PASS    |
|           |           |                      |              |            | 30          | 1.92             | 0.00075               | PASS    |
|           |           |                      |              |            | 40          | -3.22            | -0.00126              | PASS    |
|           |           |                      |              |            | 50          | -1.6             | -0.00063              | PASS    |
|           |           |                      | MCH          | VN         | -30         | -1.29            | -0.0005               | PASS    |
|           |           |                      |              |            | -20         | -4.28            | -0.00164              | PASS    |
|           |           |                      |              |            | -10         | -2.57            | -0.00099              | PASS    |
|           |           |                      |              |            | 0           | -1.72            | -0.00066              | PASS    |
|           |           |                      |              |            | 10          | -0.49            | -0.00019              | PASS    |
|           |           |                      |              |            | 20          | -3               | -0.00115              | PASS    |
|           |           |                      |              |            | 30          | -0.7             | -0.00027              | PASS    |
|           |           |                      |              |            | 40          | -4.32            | -0.00166              | PASS    |
|           |           |                      |              |            | 50          | -1.1             | -0.00042              | PASS    |
|           |           |                      | HCH          | VN         | -30         | -3.68            | -0.00139              | PASS    |
|           |           |                      |              |            | -20         | -1.39            | -0.00052              | PASS    |
|           |           |                      |              |            | -10         | -4.12            | -0.00155              | PASS    |
|           |           |                      |              |            | 0           | -0.3             | -0.00011              | PASS    |
|           |           |                      |              |            | 10          | -4.85            | -0.00183              | PASS    |
|           |           |                      |              |            | 20          | 0.01             | 0                     | PASS    |
|           |           |                      |              |            | 30          | -1.32            | -0.0005               | PASS    |
|           |           |                      |              |            | 40          | -3.68            | -0.00139              | PASS    |
|           |           |                      |              |            | 50          | -3.13            | -0.00118              | PASS    |
|           |           | 10                   | LCH          | VN         | -30         | -7.47            | -0.00292              | PASS    |
|           |           |                      |              |            | -20         | -3.33            | -0.0013               | PASS    |
|           |           |                      |              |            | -10         | -0.92            | -0.00036              | PASS    |
|           |           |                      |              |            | 0           | -3.76            | -0.00147              | PASS    |
|           |           |                      |              |            | 10          | -4.48            | -0.00175              | PASS    |
|           |           |                      |              |            | 20          | 3.22             | 0.00126               | PASS    |
|           |           |                      |              |            | 30          | -3.58            | -0.0014               | PASS    |
|           |           |                      |              |            | 40          | -0.53            | -0.00021              | PASS    |
|           |           |                      |              |            | 50          | 2.32             | 0.00091               | PASS    |
|           |           |                      | MCH          | VN         | -30         | 0.47             | 0.00018               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20         | -5.31            | -0.00204              | PASS    |
|           |           |                      |              |            | -10         | -5.98            | -0.0023               | PASS    |
|           |           |                      |              |            | 0           | -2.4             | -0.00092              | PASS    |
|           |           |                      |              |            | 10          | 1.24             | 0.00048               | PASS    |
|           |           |                      |              |            | 20          | -4.08            | -0.00157              | PASS    |
|           |           |                      |              |            | 30          | 2.8              | 0.00107               | PASS    |
|           |           |                      |              |            | 40          | 0.92             | 0.00035               | PASS    |
|           |           |                      |              |            | 50          | -3.56            | -0.00137              | PASS    |
|           |           |                      | HCH          | VN         | -30         | -8.28            | -0.00312              | PASS    |
|           |           |                      |              |            | -20         | -2.9             | -0.00109              | PASS    |
|           |           |                      |              |            | -10         | 3.62             | 0.00137               | PASS    |
|           |           |                      |              |            | 0           | 2.16             | 0.00082               | PASS    |
|           |           |                      |              |            | 10          | -4.63            | -0.00175              | PASS    |
|           |           |                      |              |            | 20          | -0.83            | -0.00031              | PASS    |
|           |           |                      |              |            | 30          | -3.45            | -0.0013               | PASS    |
|           |           |                      |              |            | 40          | 0.7              | 0.00026               | PASS    |
|           |           |                      |              |            | 50          | 1.72             | 0.00065               | PASS    |
|           |           | 15                   | LCH          | VN         | -30         | -0.4             | -0.00016              | PASS    |
|           |           |                      |              |            | -20         | 0.69             | 0.00027               | PASS    |
|           |           |                      |              |            | -10         | -1.86            | -0.00073              | PASS    |
|           |           |                      |              |            | 0           | 0.31             | 0.00012               | PASS    |
|           |           |                      |              |            | 10          | 0.11             | 0.00004               | PASS    |
|           |           |                      |              |            | 20          | 0.26             | 0.0001                | PASS    |
|           |           |                      |              |            | 30          | -0.86            | -0.00034              | PASS    |
|           |           |                      |              |            | 40          | -5.06            | -0.00197              | PASS    |
|           |           |                      |              |            | 50          | -0.17            | -0.00007              | PASS    |
|           |           |                      | MCH          | VN         | -30         | 1.36             | 0.00052               | PASS    |
|           |           |                      |              |            | -20         | -2.96            | -0.00114              | PASS    |
|           |           |                      |              |            | -10         | -0.4             | -0.00015              | PASS    |
|           |           |                      |              |            | 0           | -1.49            | -0.00057              | PASS    |
|           |           |                      |              |            | 10          | -8.63            | -0.00331              | PASS    |
|           |           |                      |              |            | 20          | -7.12            | -0.00273              | PASS    |
|           |           |                      |              |            | 30          | -2.26            | -0.00087              | PASS    |
|           |           |                      |              |            | 40          | -0.26            | -0.0001               | PASS    |
|           |           |                      |              |            | 50          | -2.73            | -0.00105              | PASS    |
|           |           |                      | HCH          | VN         | -30         | -4.72            | -0.00178              | PASS    |
|           |           |                      |              |            | -20         | -7.05            | -0.00266              | PASS    |
|           |           |                      |              |            | -10         | -4.08            | -0.00154              | PASS    |
|           |           |                      |              |            | 0           | -6.64            | -0.00251              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10          | -3.09            | -0.00117              | PASS    |
|           |           |                      |              |            | 20          | -3.28            | -0.00124              | PASS    |
|           |           |                      |              |            | 30          | 0.94             | 0.00036               | PASS    |
|           |           |                      |              |            | 40          | -5.19            | -0.00196              | PASS    |
|           |           |                      |              |            | 50          | -3.19            | -0.0012               | PASS    |
|           |           | 20                   | LCH          | VN         | -30         | -2.22            | -0.00087              | PASS    |
|           |           |                      |              |            | -20         | 7.4              | 0.00288               | PASS    |
|           |           |                      |              |            | -10         | -1.95            | -0.00076              | PASS    |
|           |           |                      |              |            | 0           | -3.38            | -0.00132              | PASS    |
|           |           |                      |              |            | 10          | 4.29             | 0.00167               | PASS    |
|           |           |                      |              |            | 20          | 0.93             | 0.00036               | PASS    |
|           |           |                      |              |            | 30          | -6.38            | -0.00249              | PASS    |
|           |           |                      |              |            | 40          | -2.46            | -0.00096              | PASS    |
|           |           |                      |              |            | 50          | -4.84            | -0.00189              | PASS    |
|           |           |                      | MCH          | VN         | -30         | -0.89            | -0.00034              | PASS    |
|           |           |                      |              |            | -20         | -1.53            | -0.00059              | PASS    |
|           |           |                      |              |            | -10         | -4.35            | -0.00167              | PASS    |
|           |           |                      |              |            | 0           | -7.48            | -0.00287              | PASS    |
|           |           |                      |              |            | 10          | -6.58            | -0.00253              | PASS    |
|           |           |                      |              |            | 20          | 0.59             | 0.00023               | PASS    |
|           |           |                      |              |            | 30          | -6.71            | -0.00258              | PASS    |
|           |           |                      |              |            | 40          | -6.47            | -0.00248              | PASS    |
|           |           |                      |              |            | 50          | -3.79            | -0.00145              | PASS    |
|           |           |                      | HCH          | VN         | -30         | 0.43             | 0.00016               | PASS    |
|           |           |                      |              |            | -20         | -6.11            | -0.00231              | PASS    |
|           |           |                      |              |            | -10         | -4.66            | -0.00176              | PASS    |
|           |           |                      |              |            | 0           | -5.74            | -0.00217              | PASS    |
|           |           |                      |              |            | 10          | -5.51            | -0.00208              | PASS    |
|           |           |                      |              |            | 20          | -6.94            | -0.00262              | PASS    |
|           |           |                      |              |            | 30          | -5.46            | -0.00206              | PASS    |
|           |           |                      |              |            | 40          | -4.35            | -0.00164              | PASS    |
|           |           |                      |              |            | 50          | -7.7             | -0.00291              | PASS    |

END