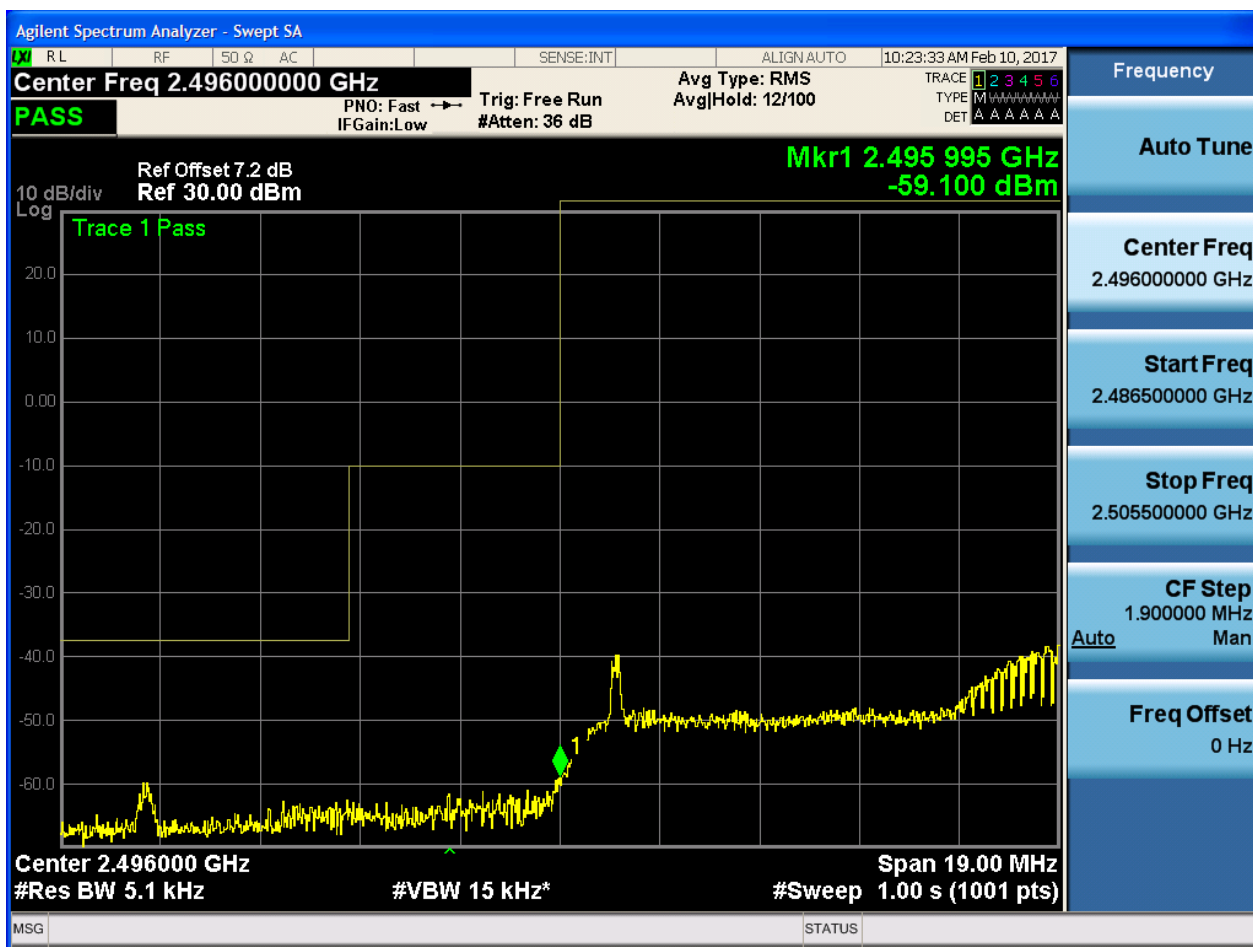


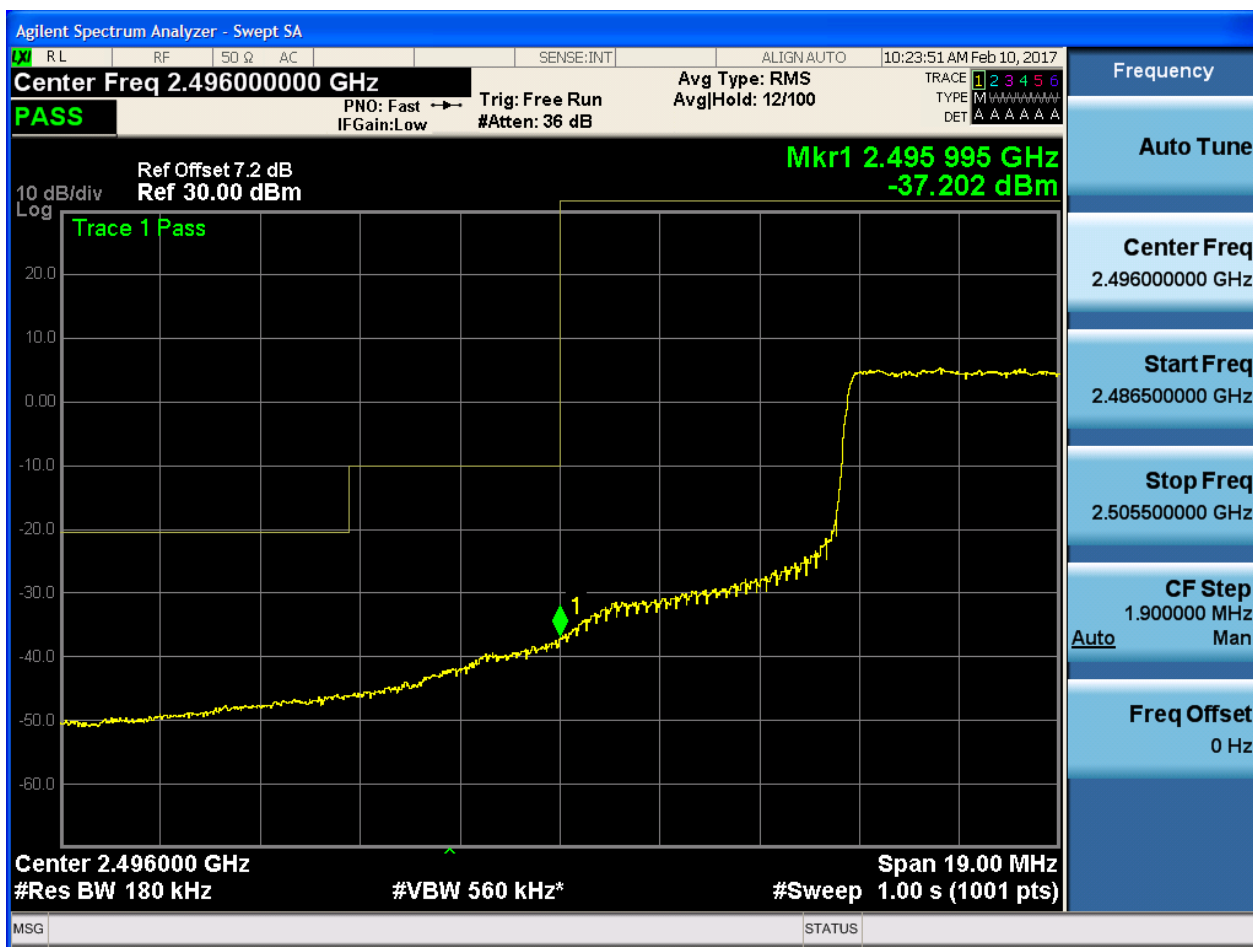


## 5.1.1.2.4.1.2 Test RB = RB1#99



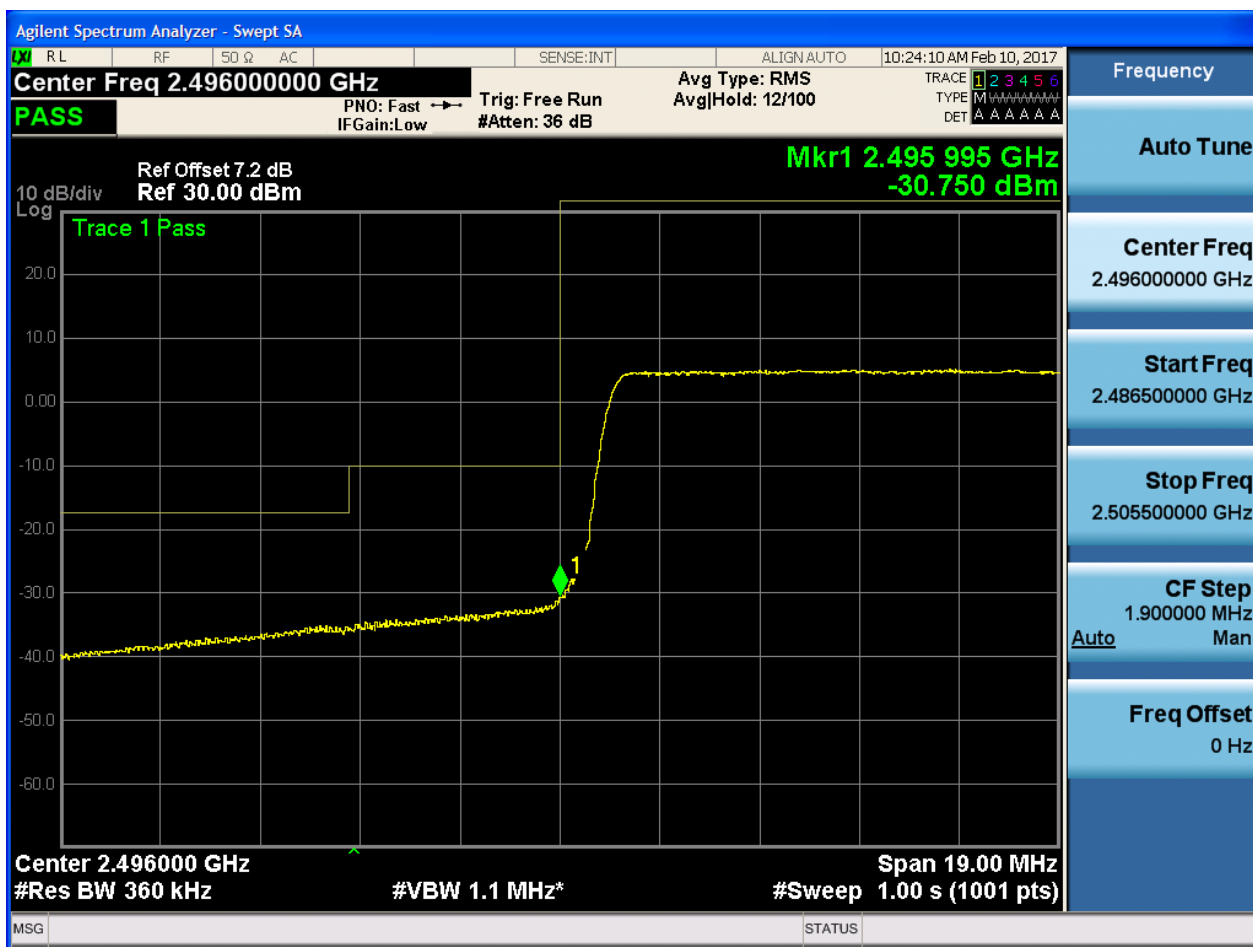


## 5.1.1.2.4.1.3 Test RB = RB50#25





## 5.1.1.2.4.1.4 Test RB = RB100#0





## 5.1.1.2.4.2 Test Channel = HCH

## 5.1.1.2.4.2.1 Test RB = RB1#0





## 5.1.1.2.4.2.2 Test RB = RB1#99





## 5.1.1.2.4.2.3 Test RB = RB50#25





## 5.1.1.2.4.2.4 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

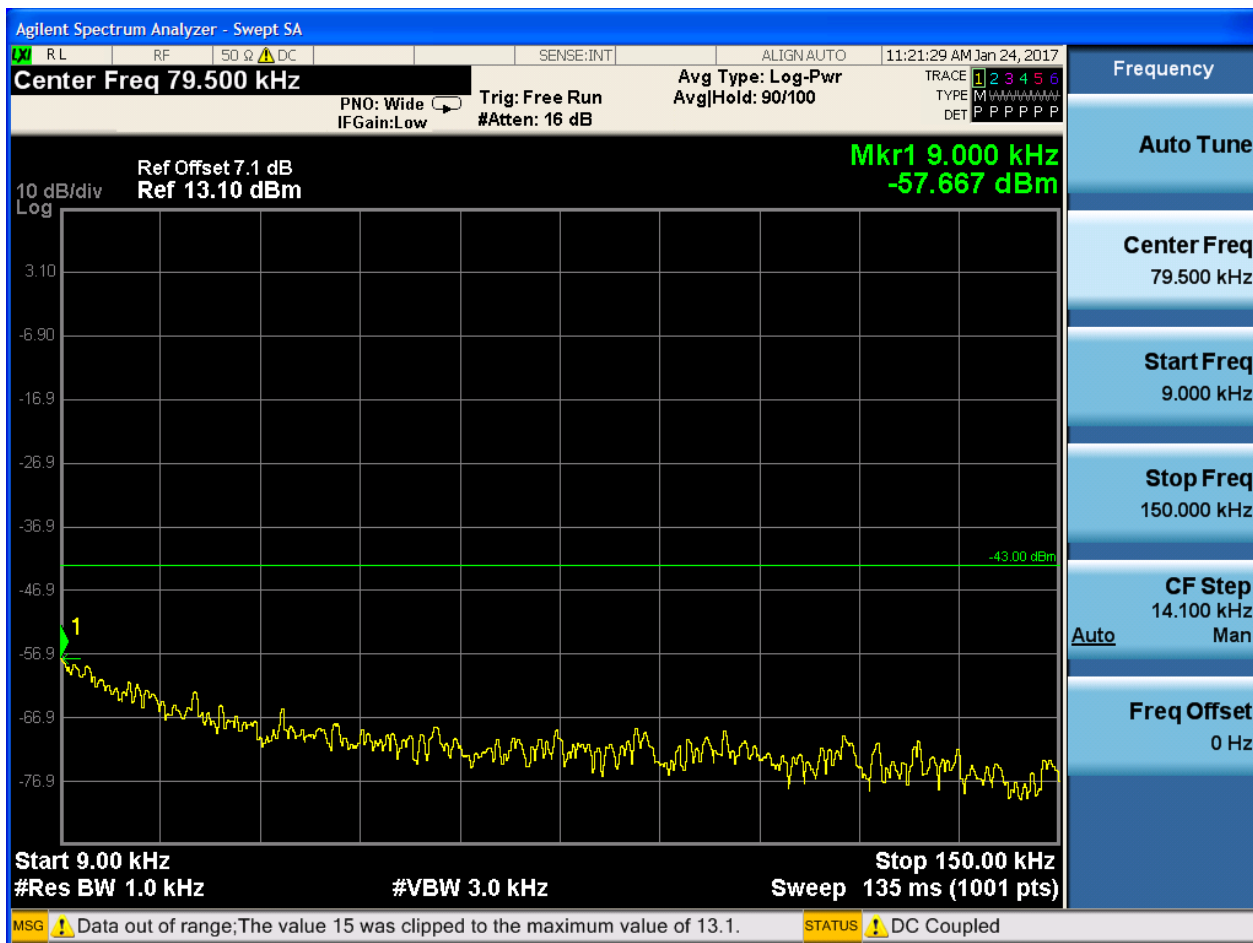
##### 6.1.1 Test Band = BAND41

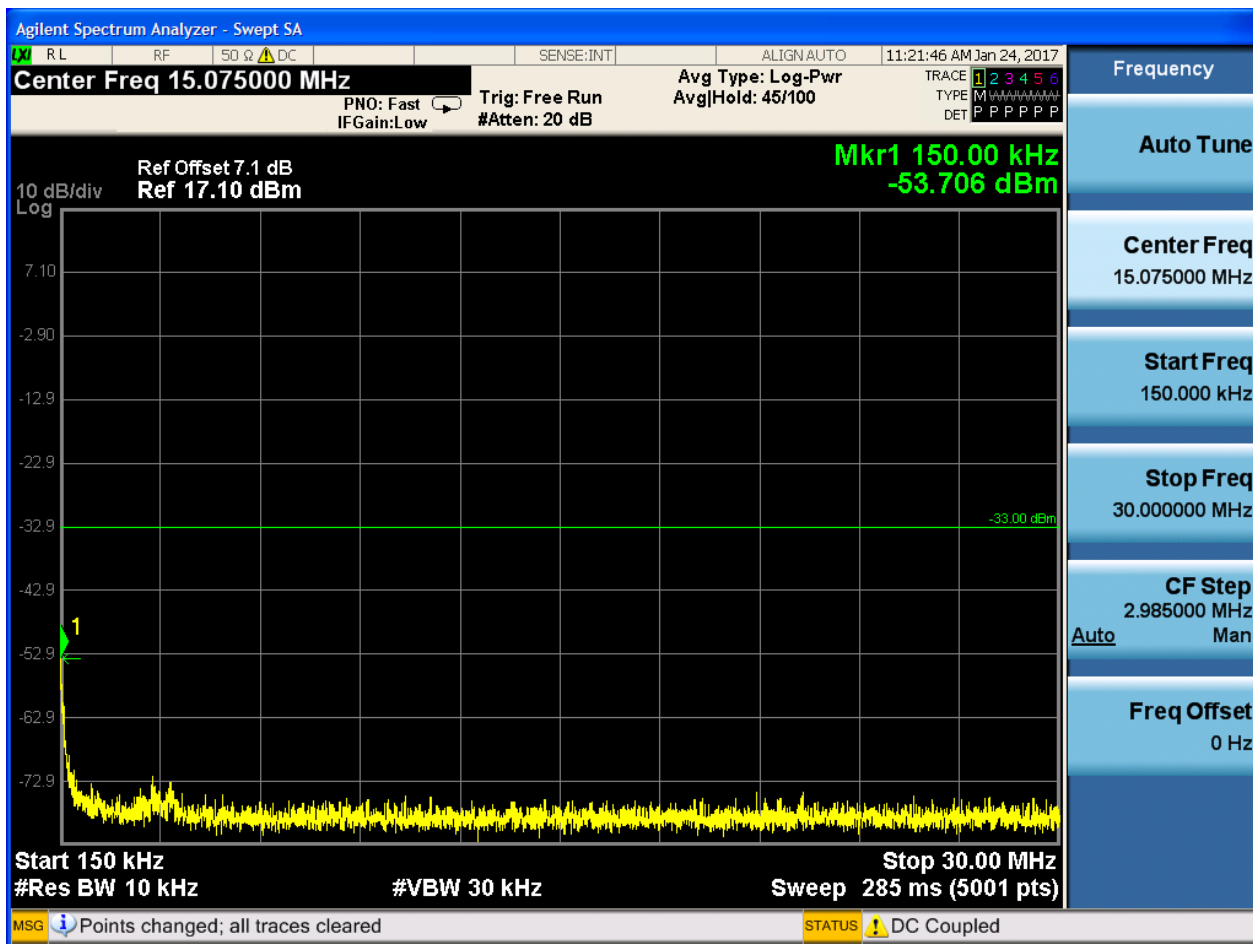
##### 6.1.1.1 Test Mode = LTE/TM1

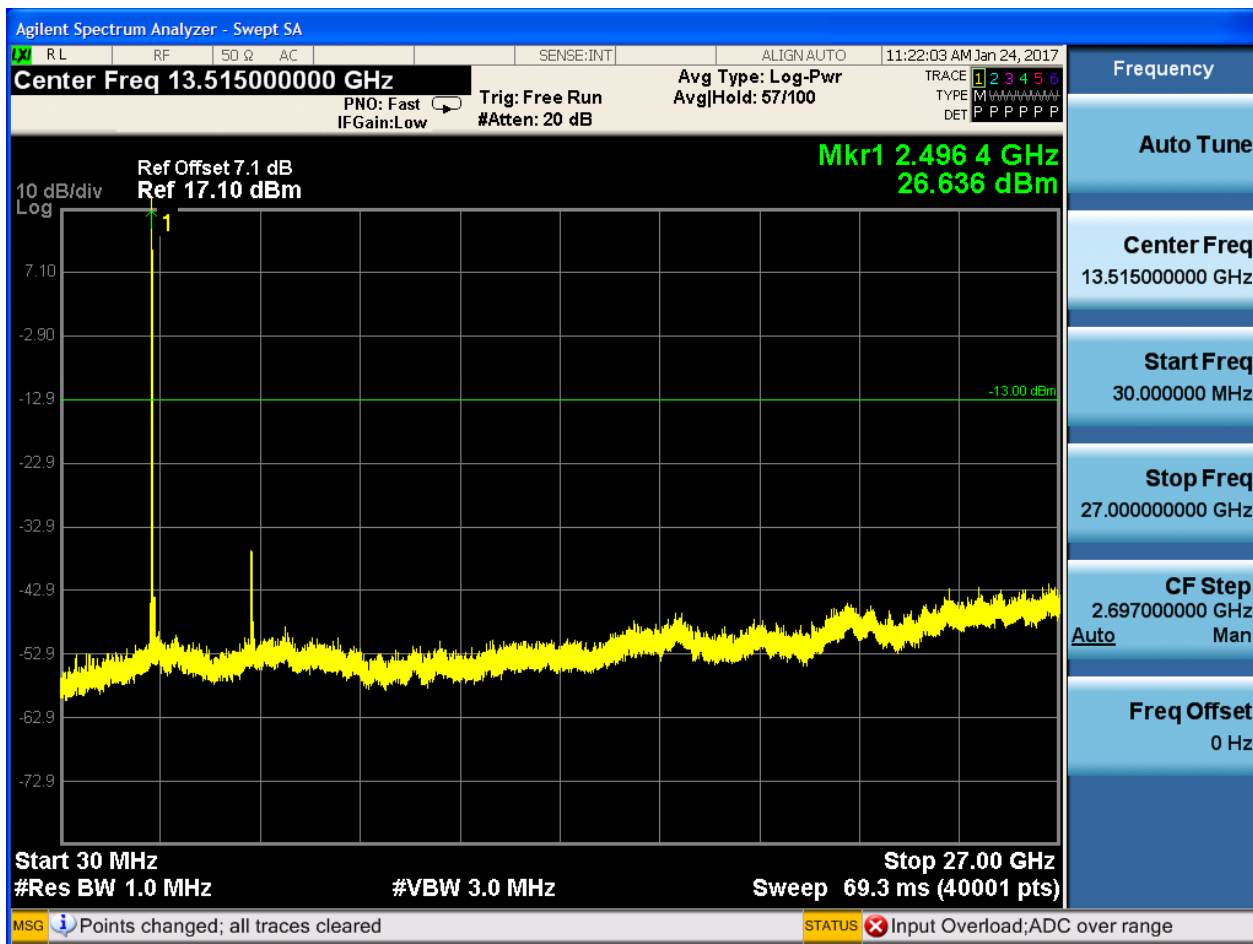
##### 6.1.1.1.1 Test Bandwidth = 5

##### 6.1.1.1.1.1 Test Channel = LCH

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



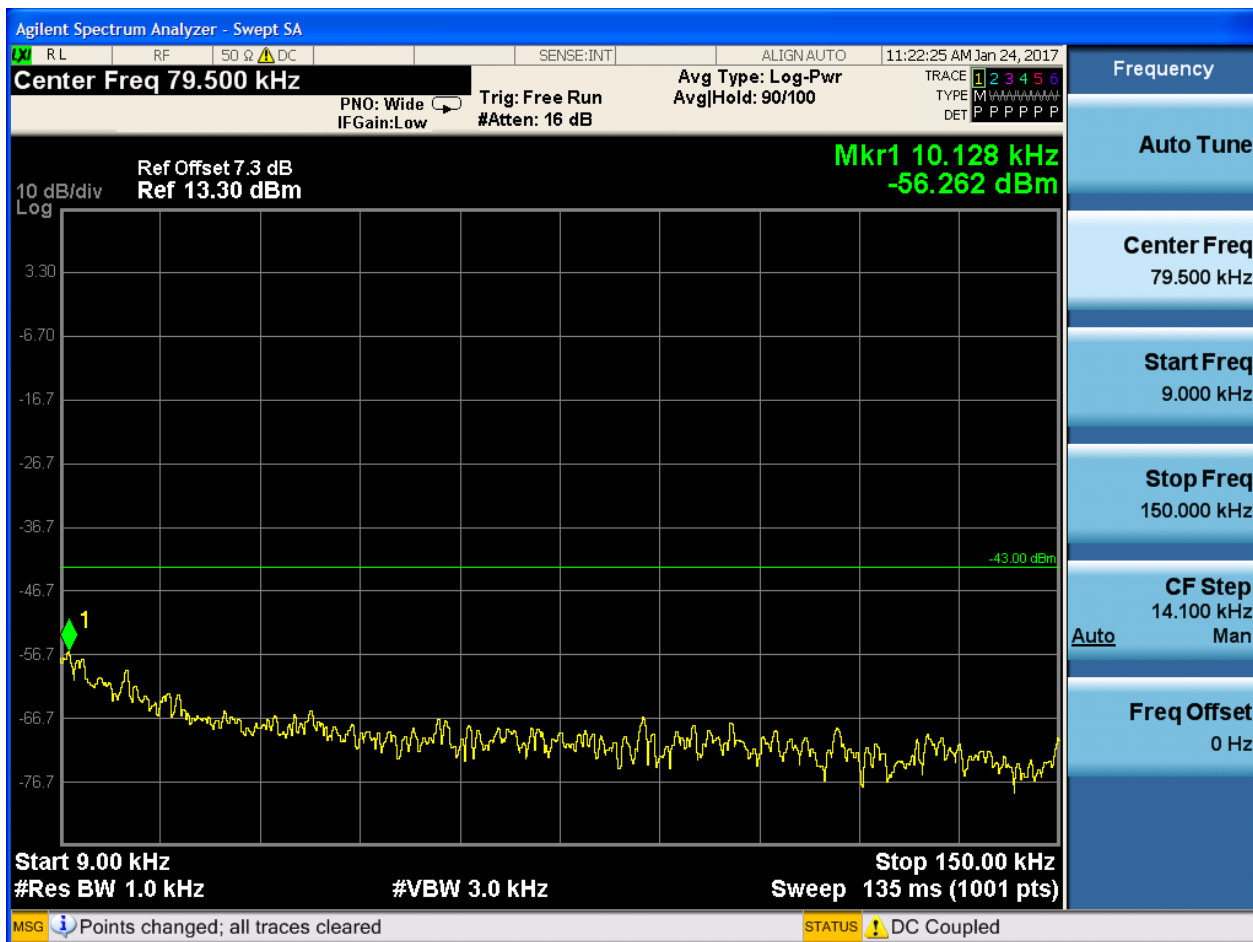


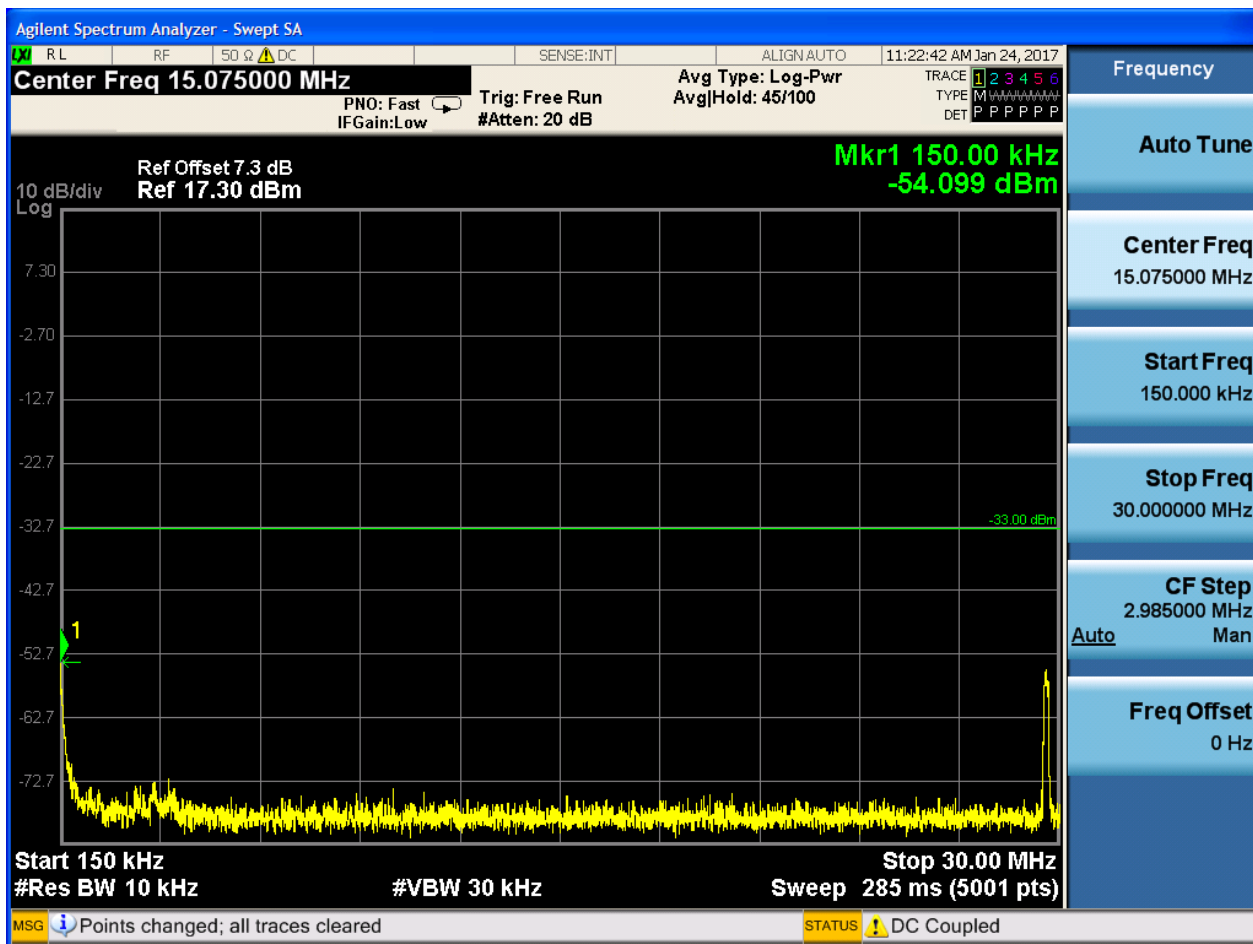


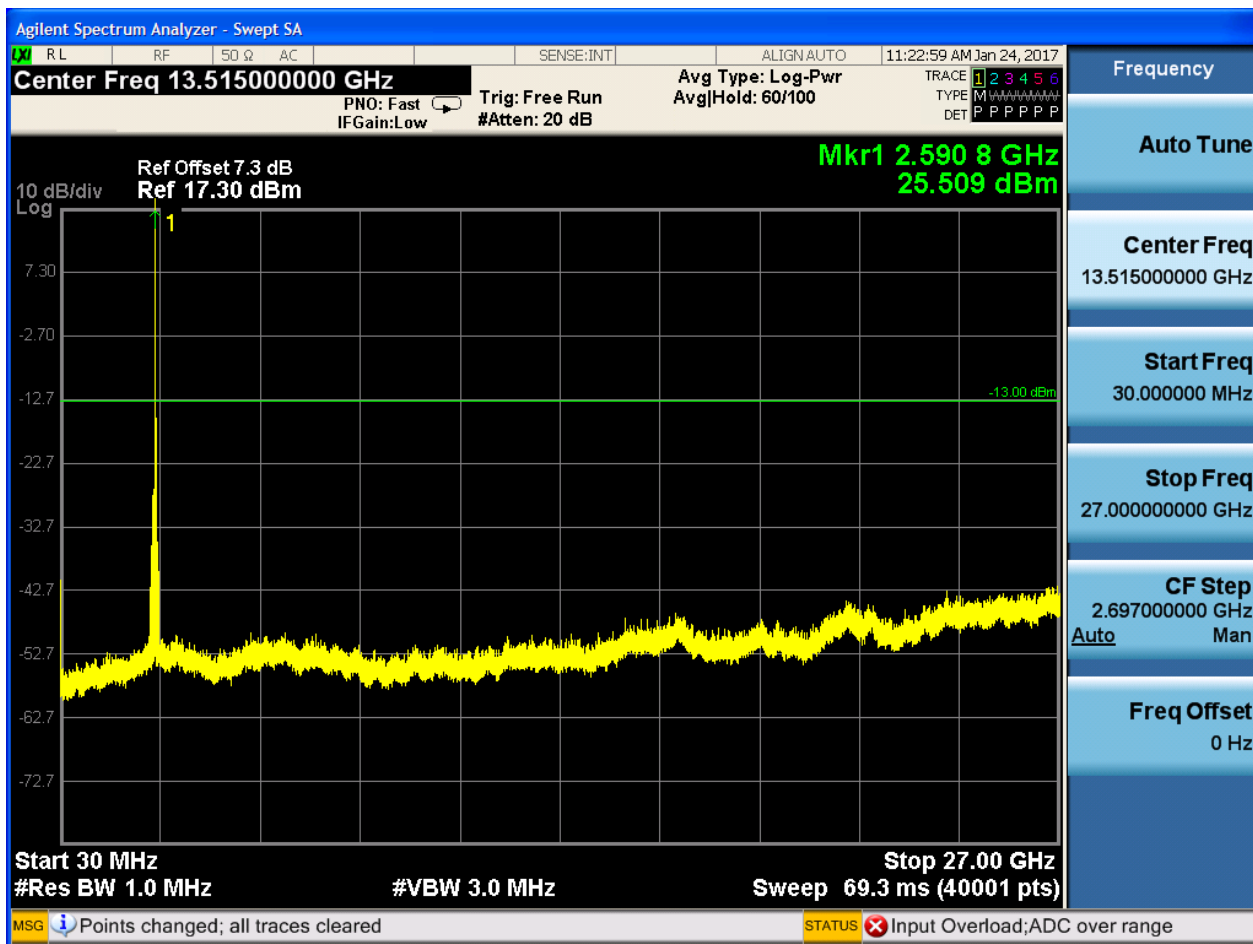


## 6.1.1.1.1.2 Test Channel = MCH

## 6.1.1.1.1.2.1 Test RB = RB1#0

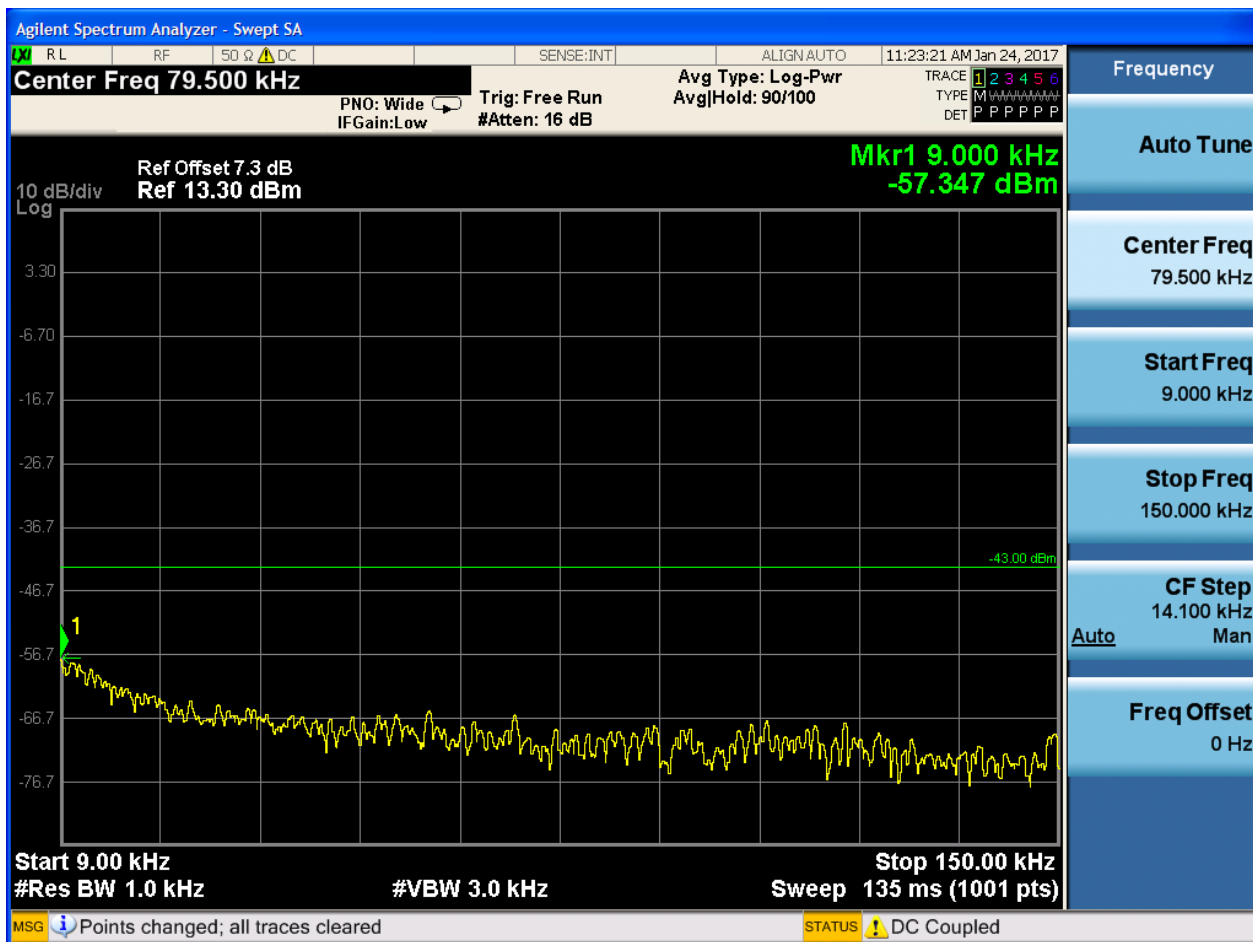


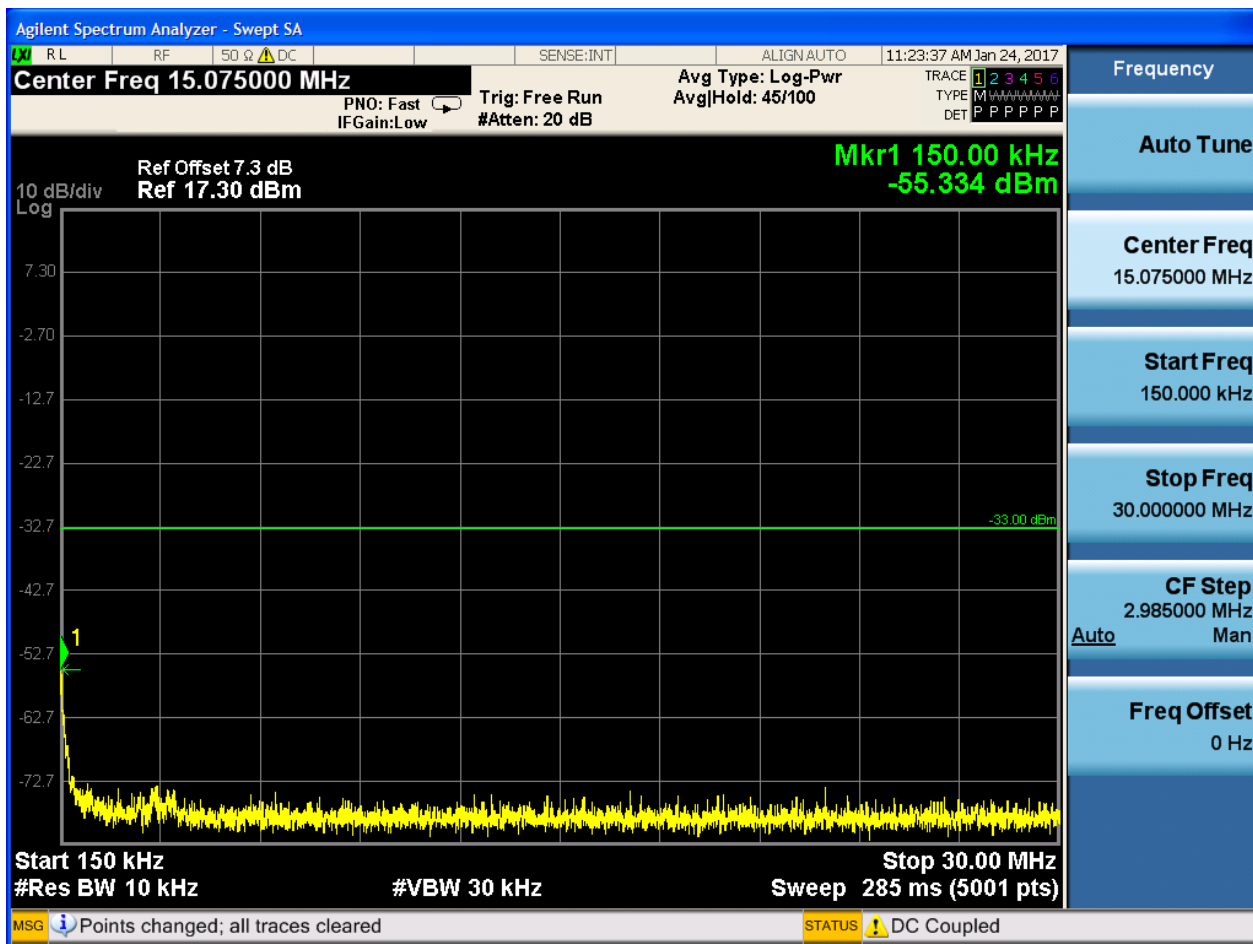


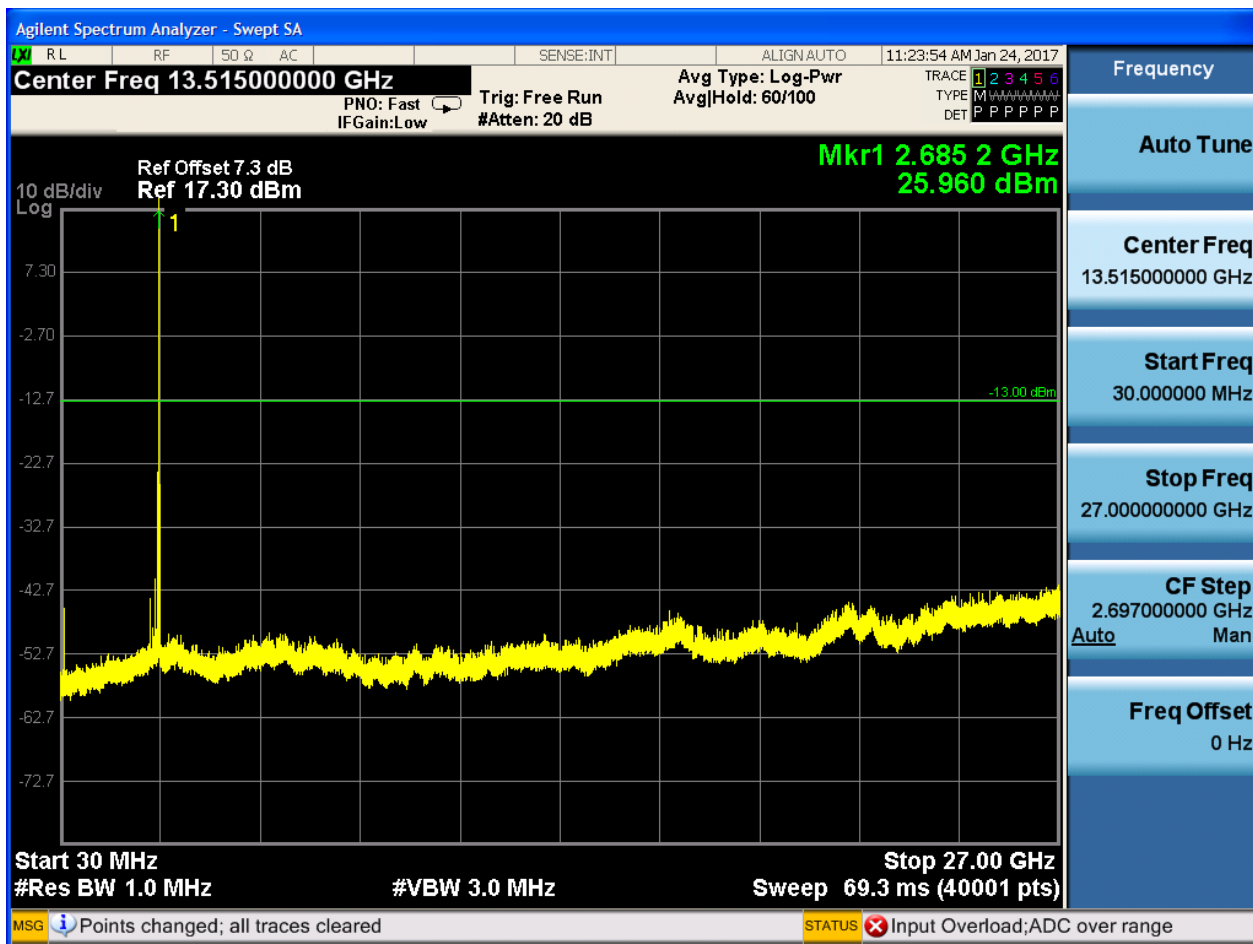


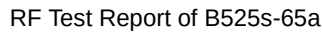
### 6.1.1.1.1.3 Test Channel = HCH

#### 6.1.1.1.1.3.1 Test RB = RB1#0

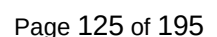


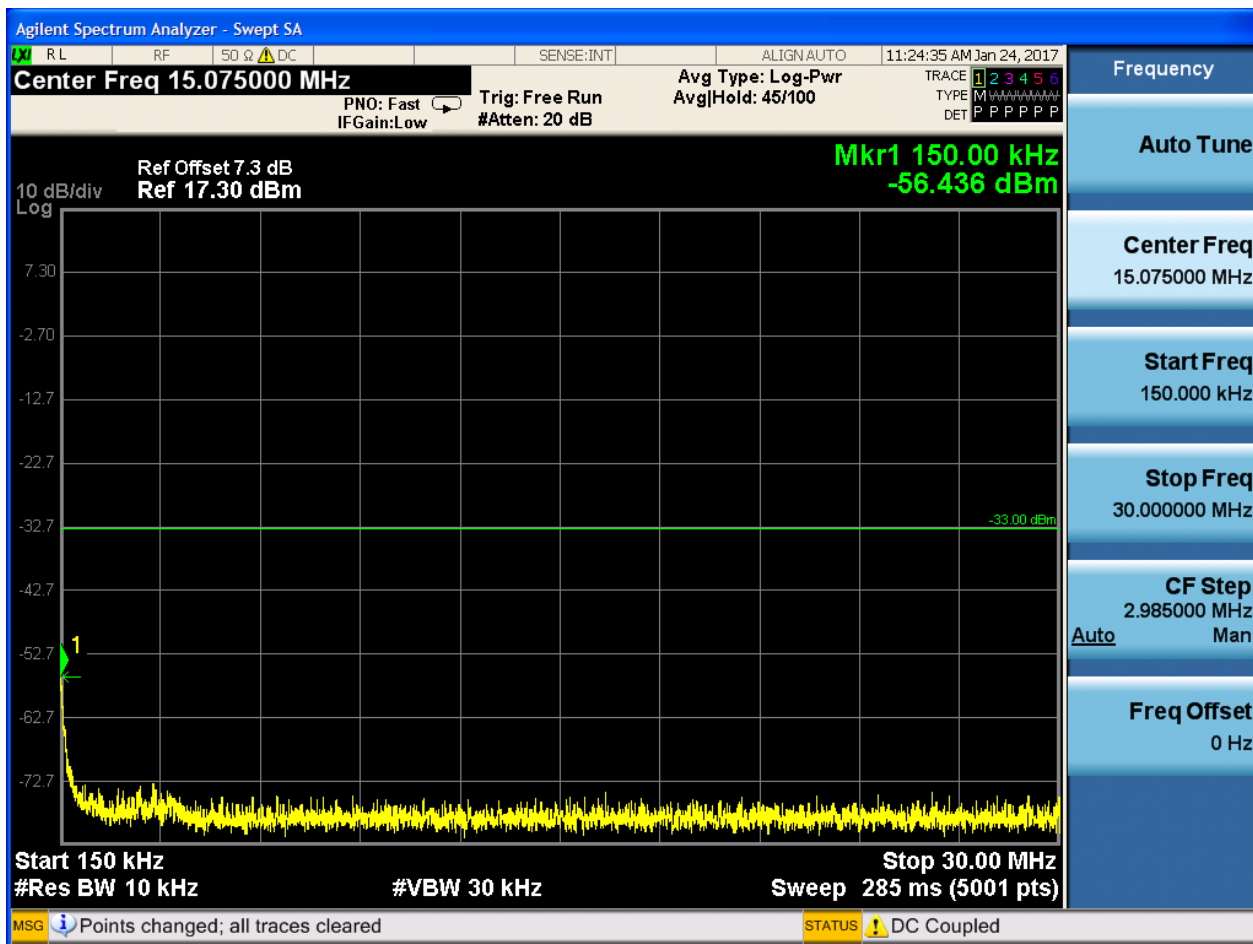






#### 6.1.1.1.2.1.1 Test RB = RB1#0



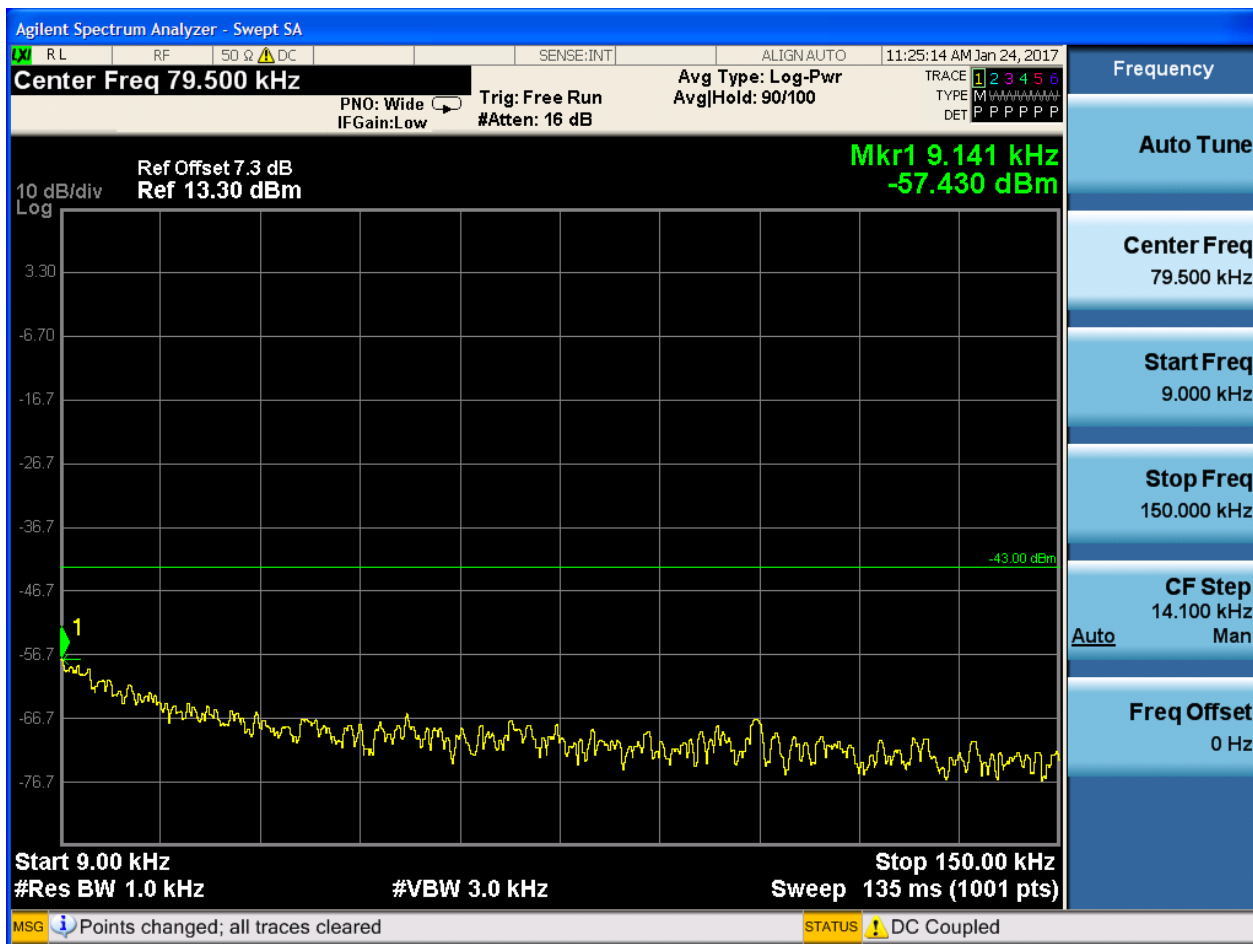




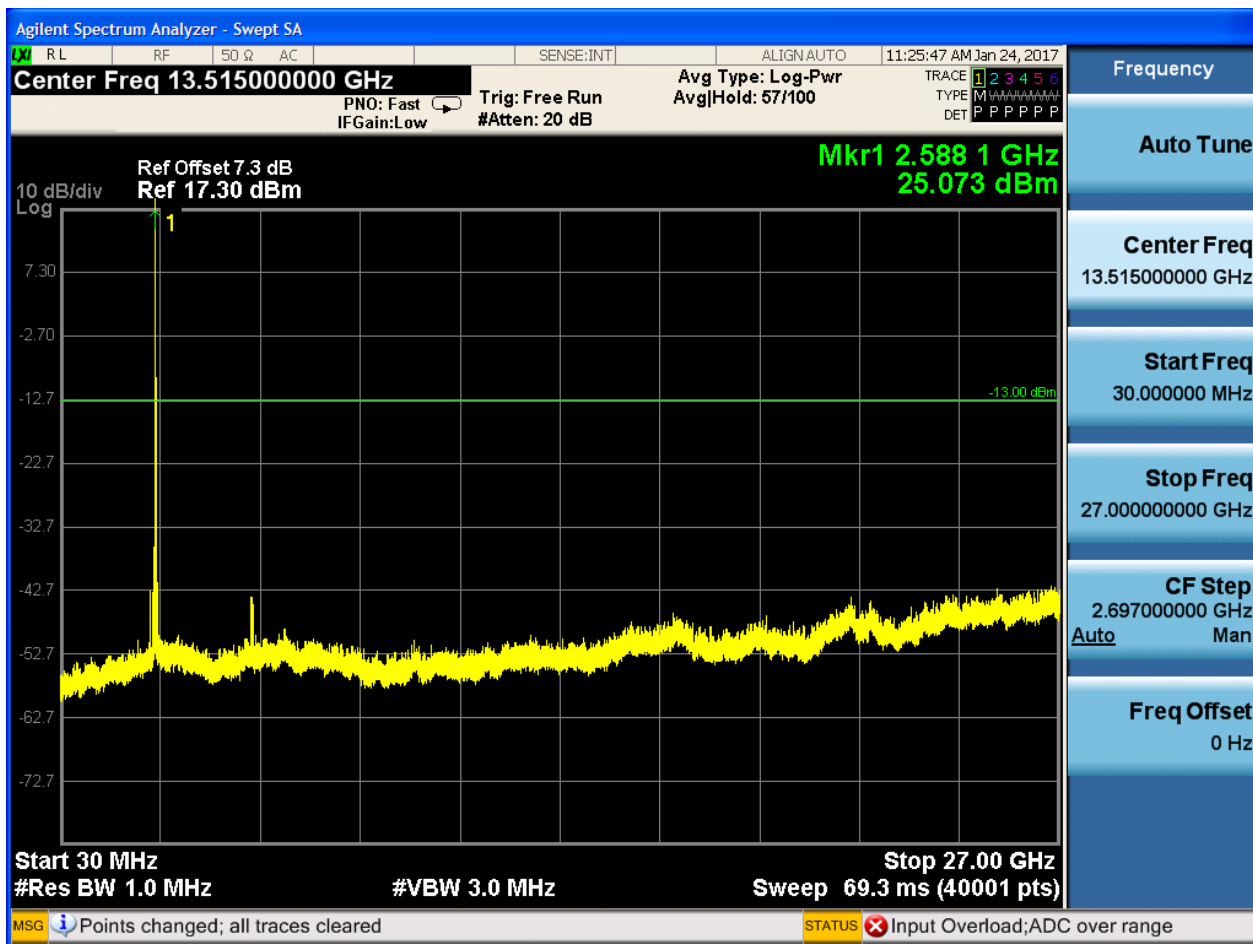


## 6.1.1.1.2.2 Test Channel = MCH

## 6.1.1.1.2.2.1 Test RB = RB1#0



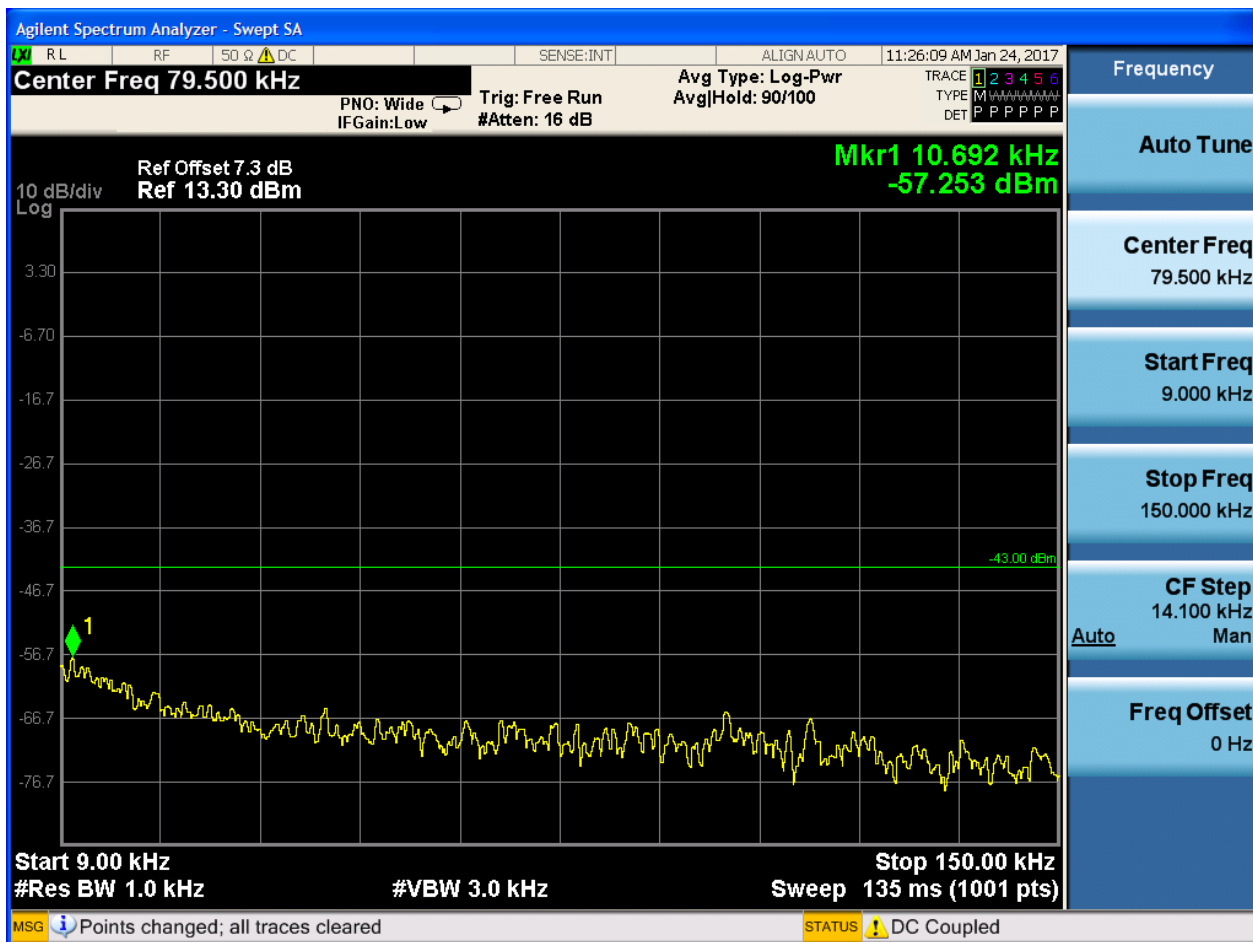


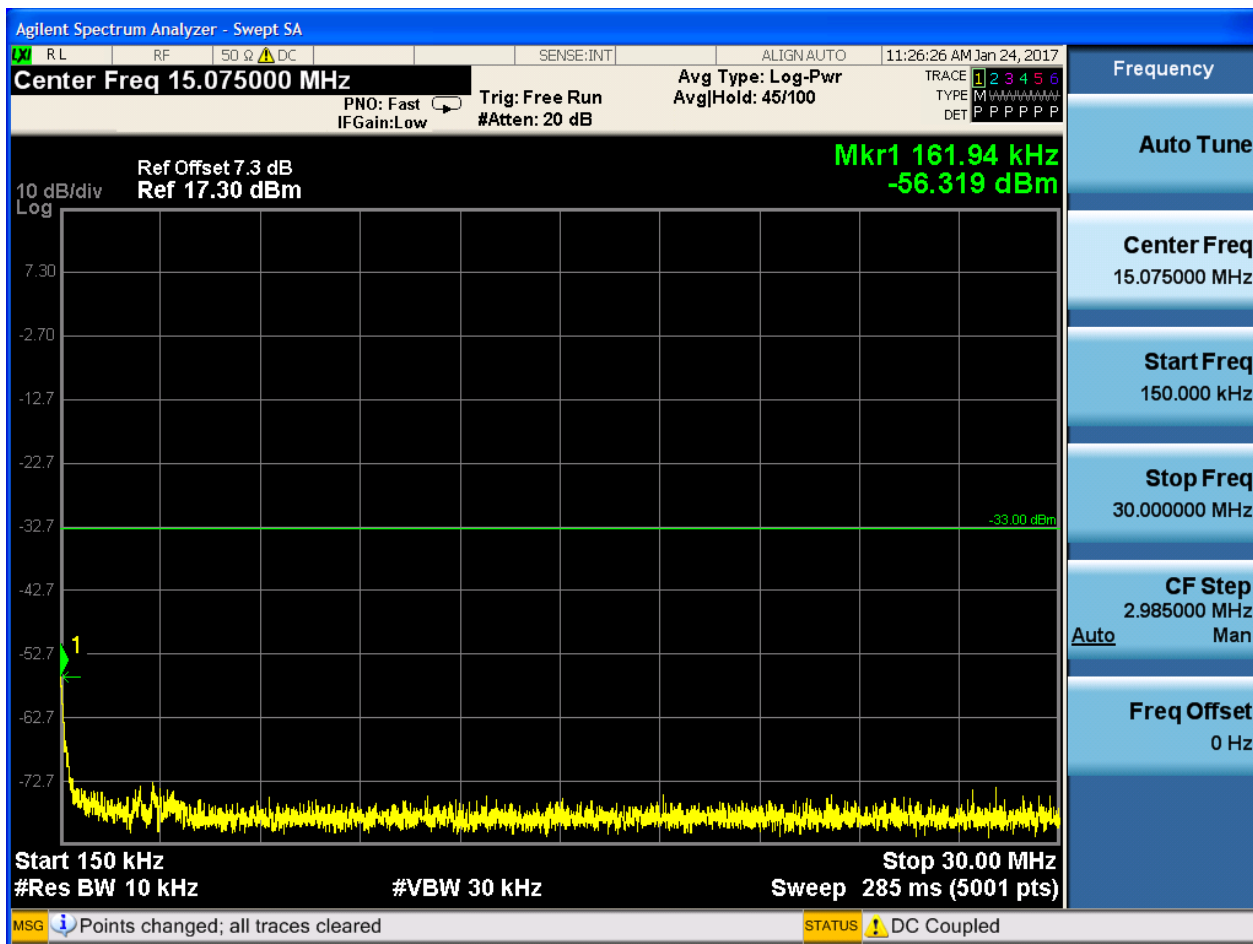


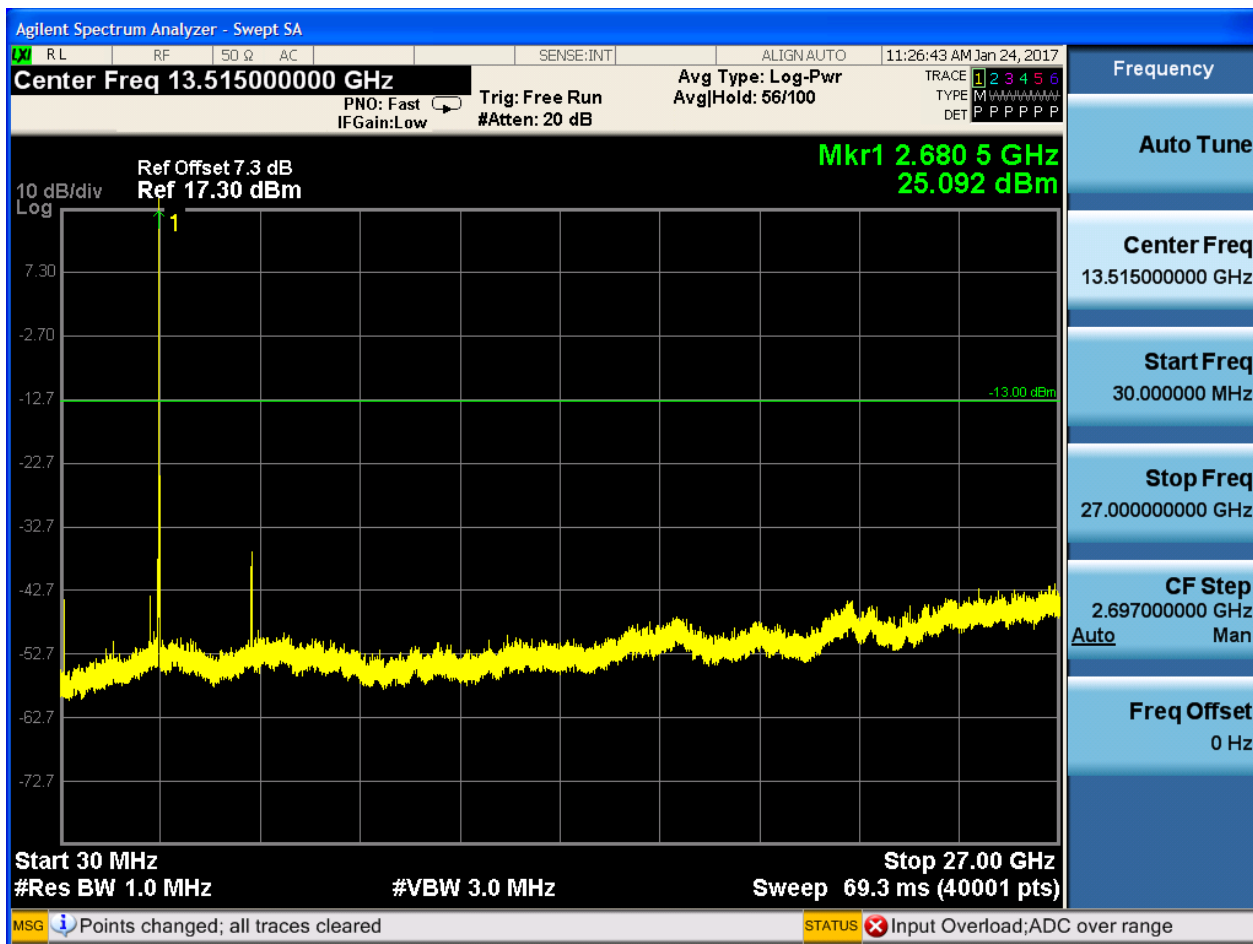


## 6.1.1.1.2.3 Test Channel = HCH

## 6.1.1.1.2.3.1 Test RB = RB1#0



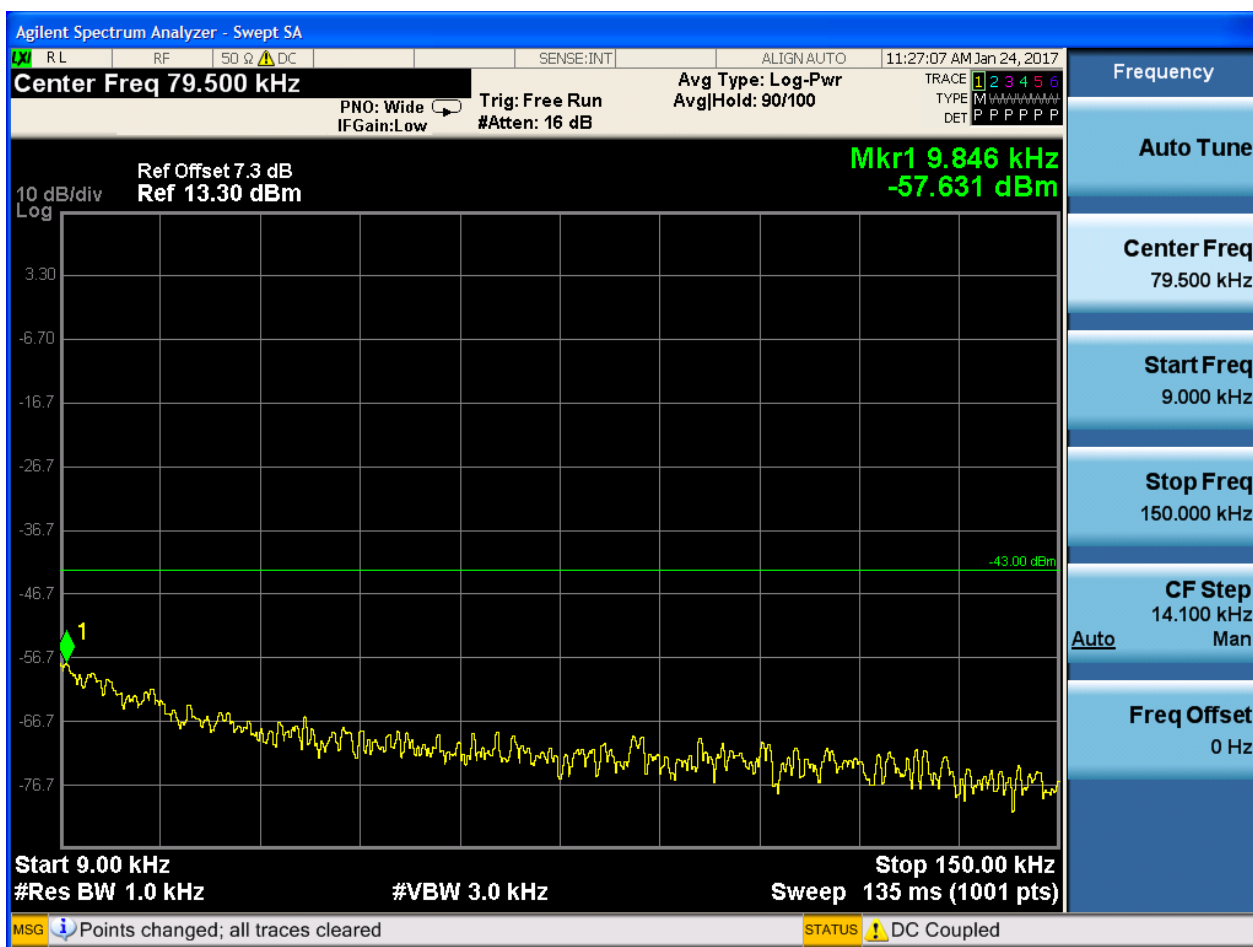


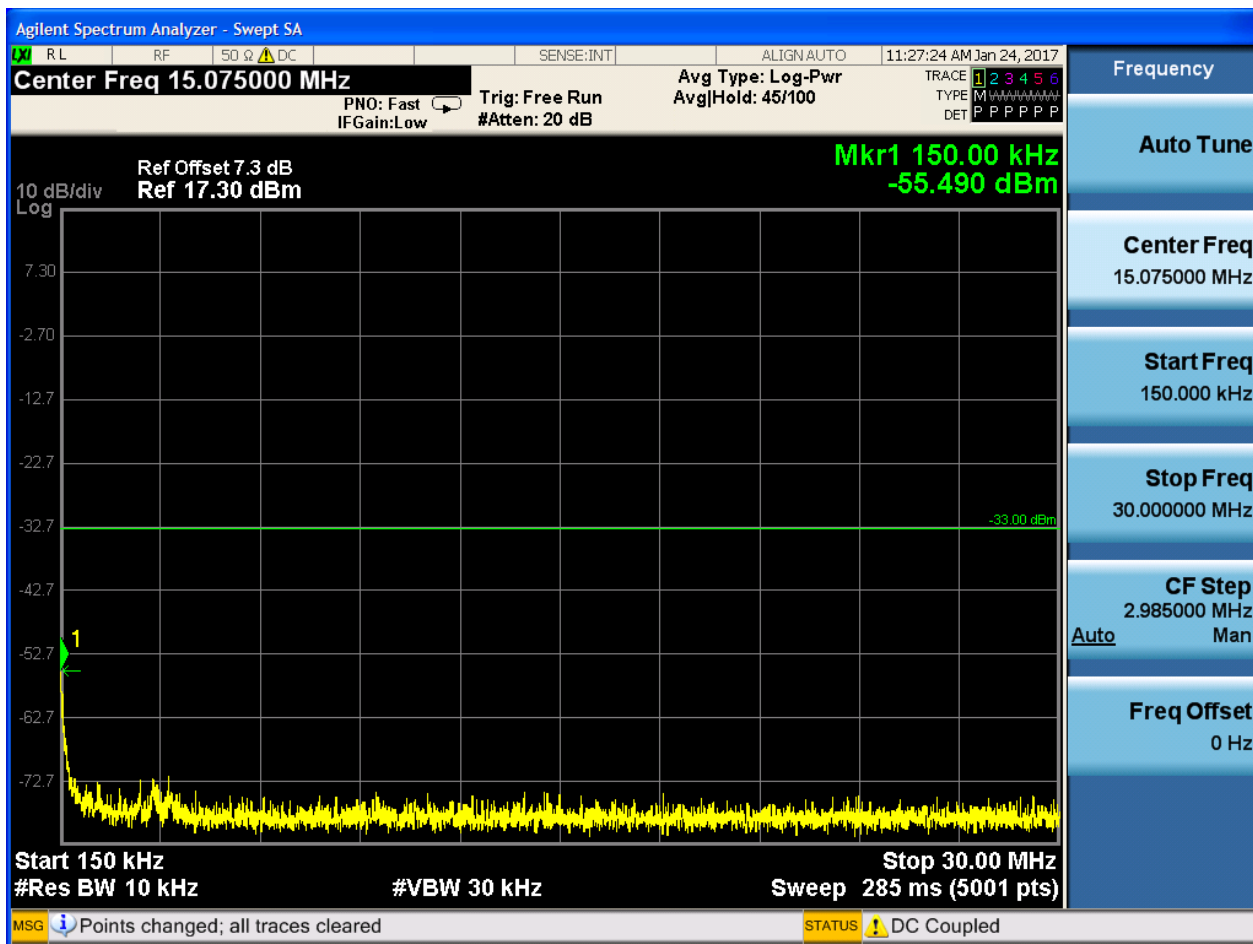


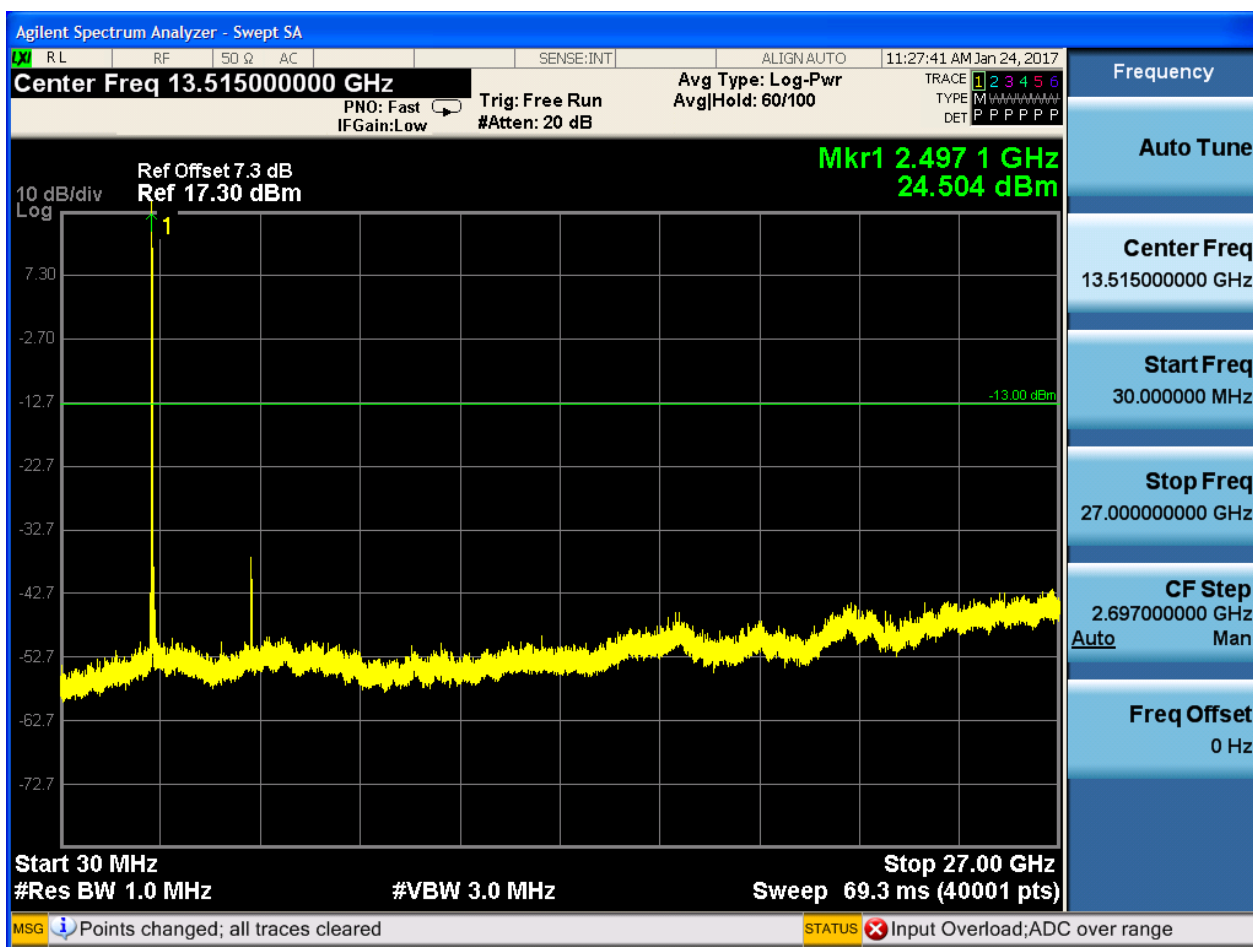
### 6.1.1.1.3 Test Bandwidth = 15

#### 6.1.1.1.3.1 Test Channel = LCH

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





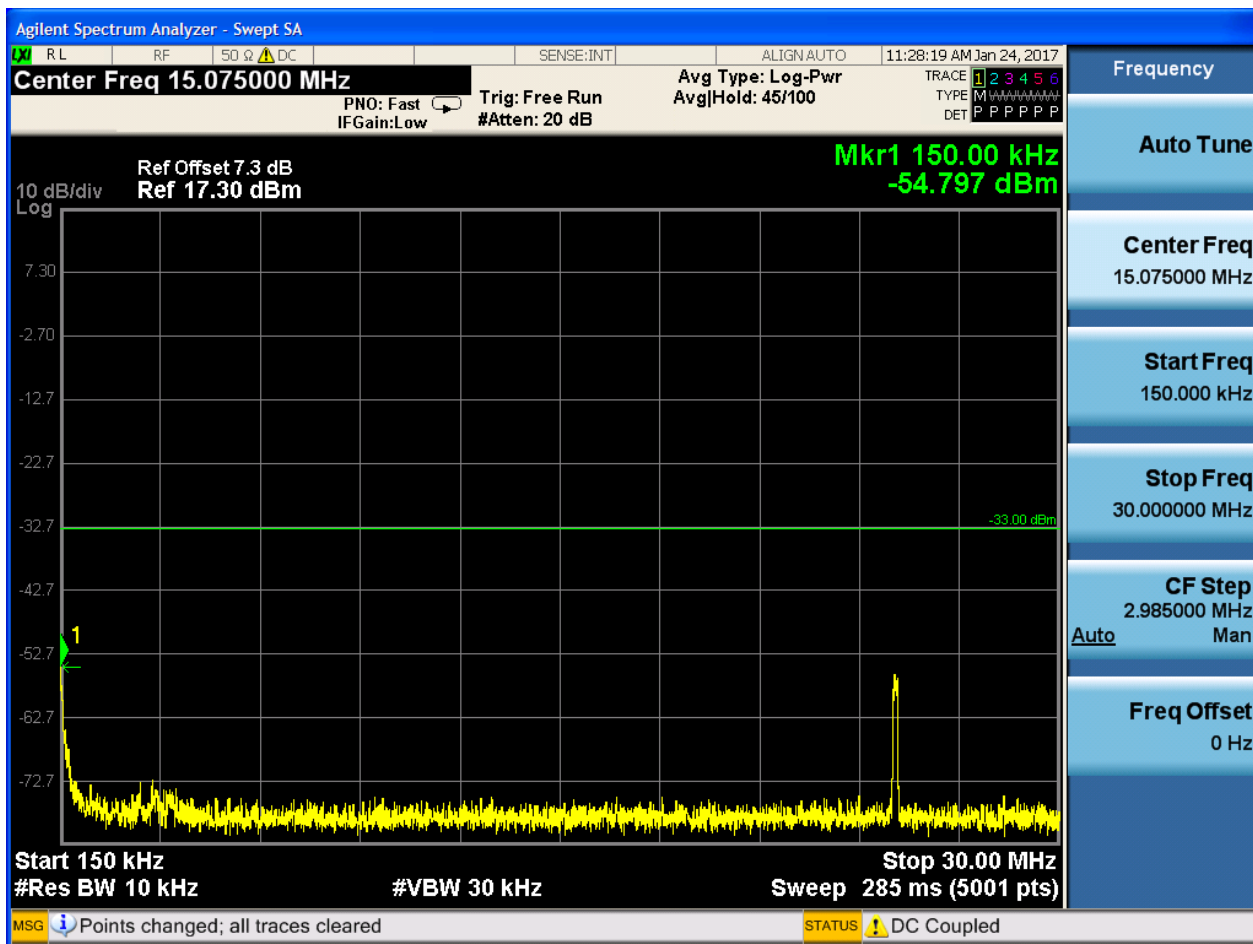


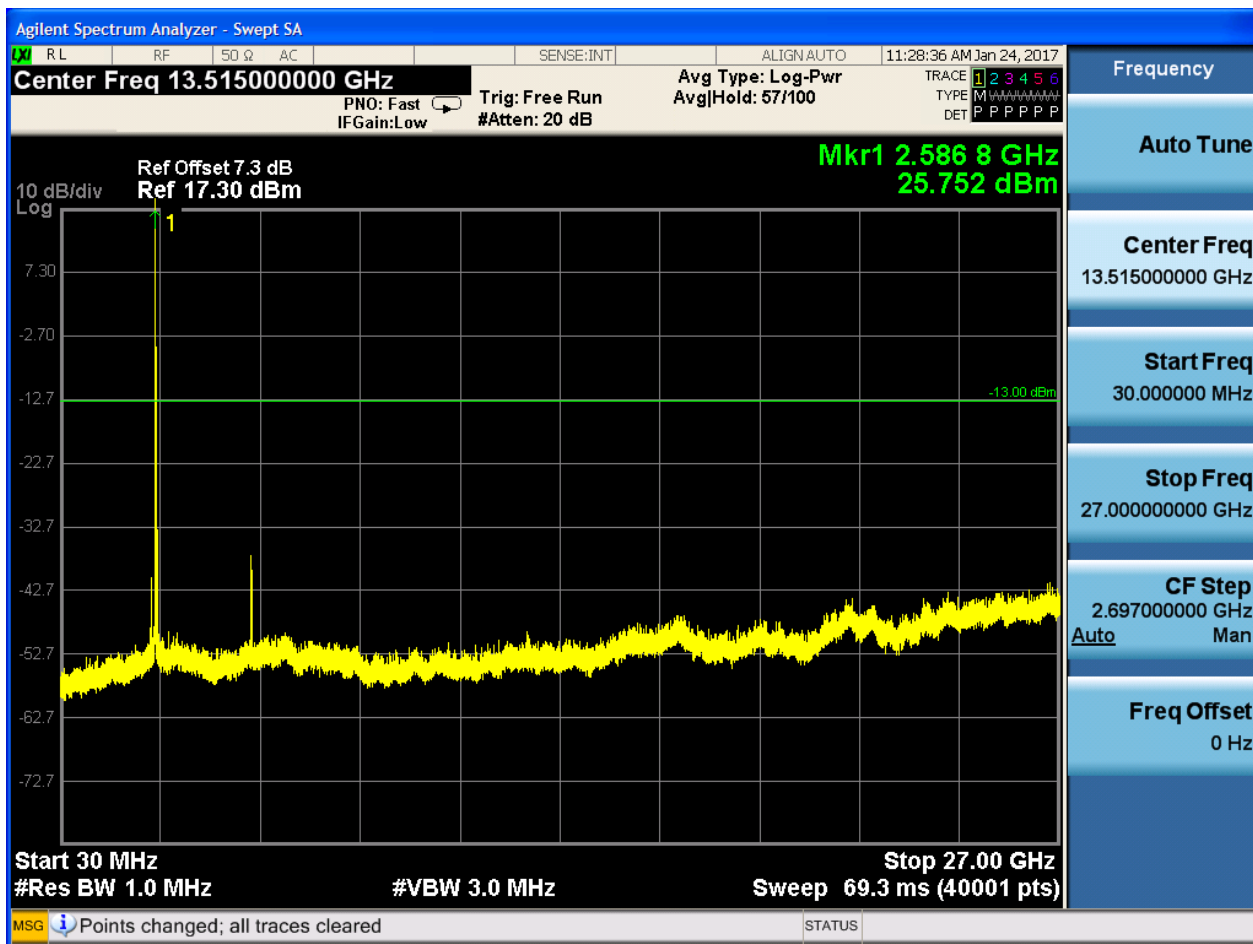


## 6.1.1.1.3.2 Test Channel = MCH

## 6.1.1.1.3.2.1 Test RB = RB1#0



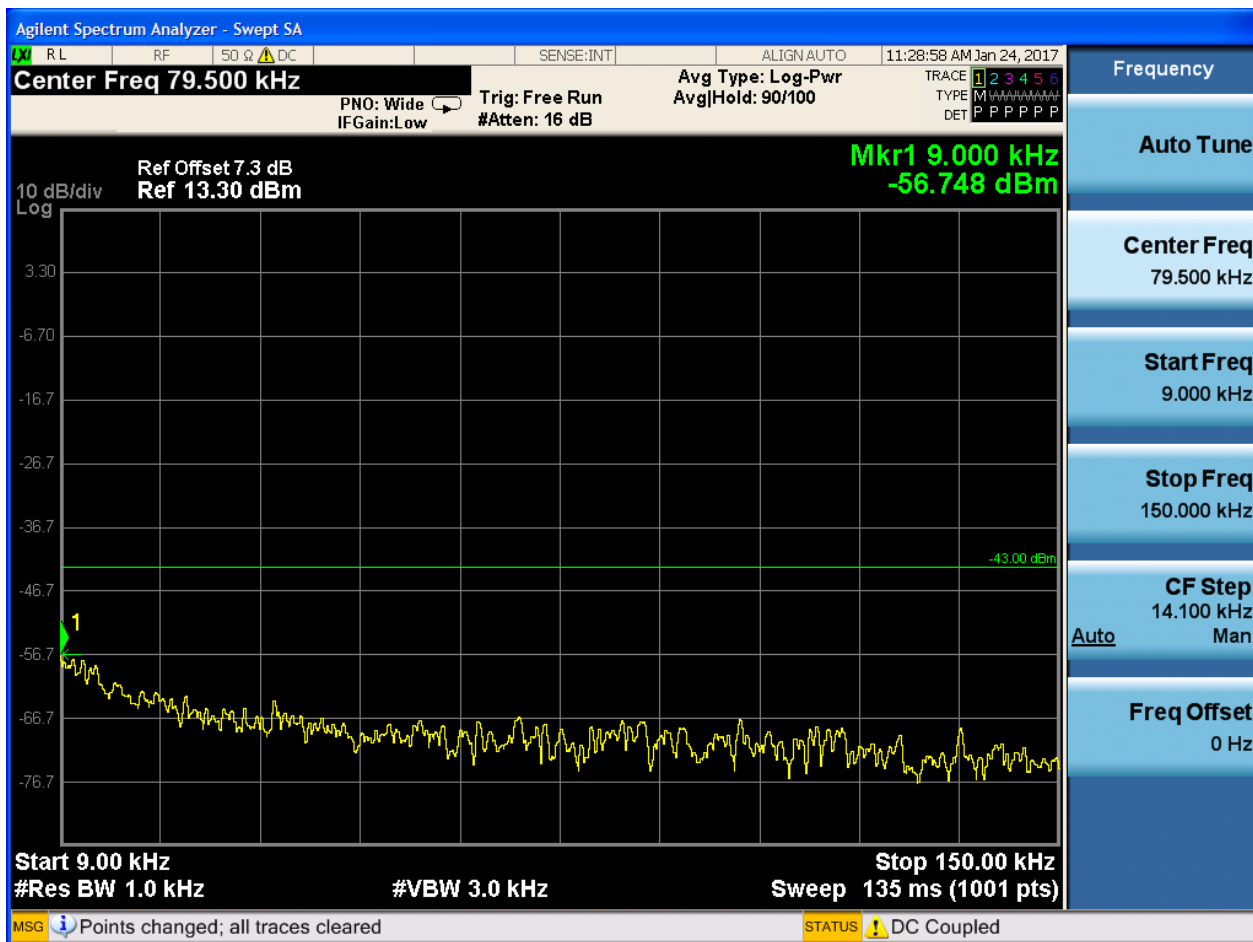


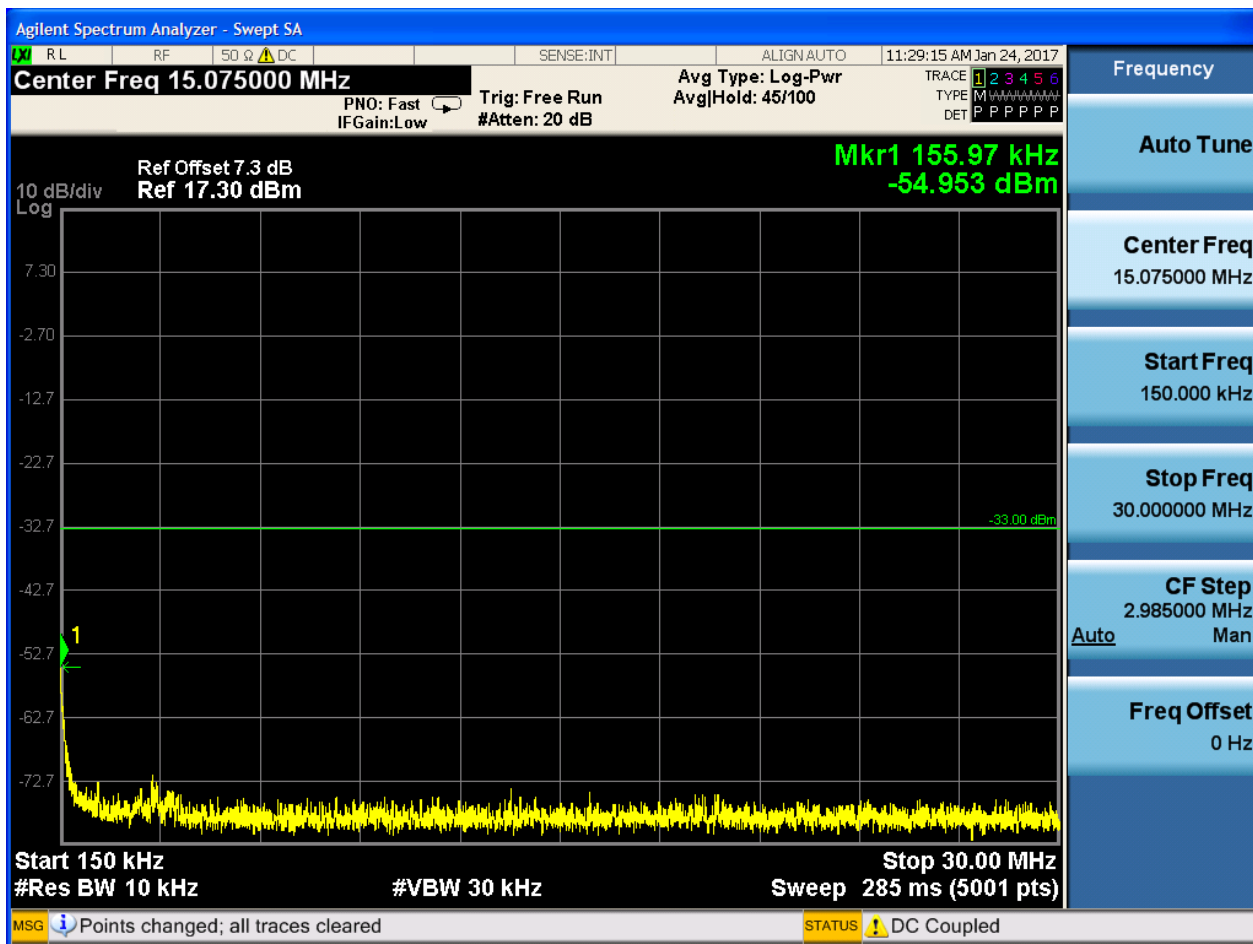


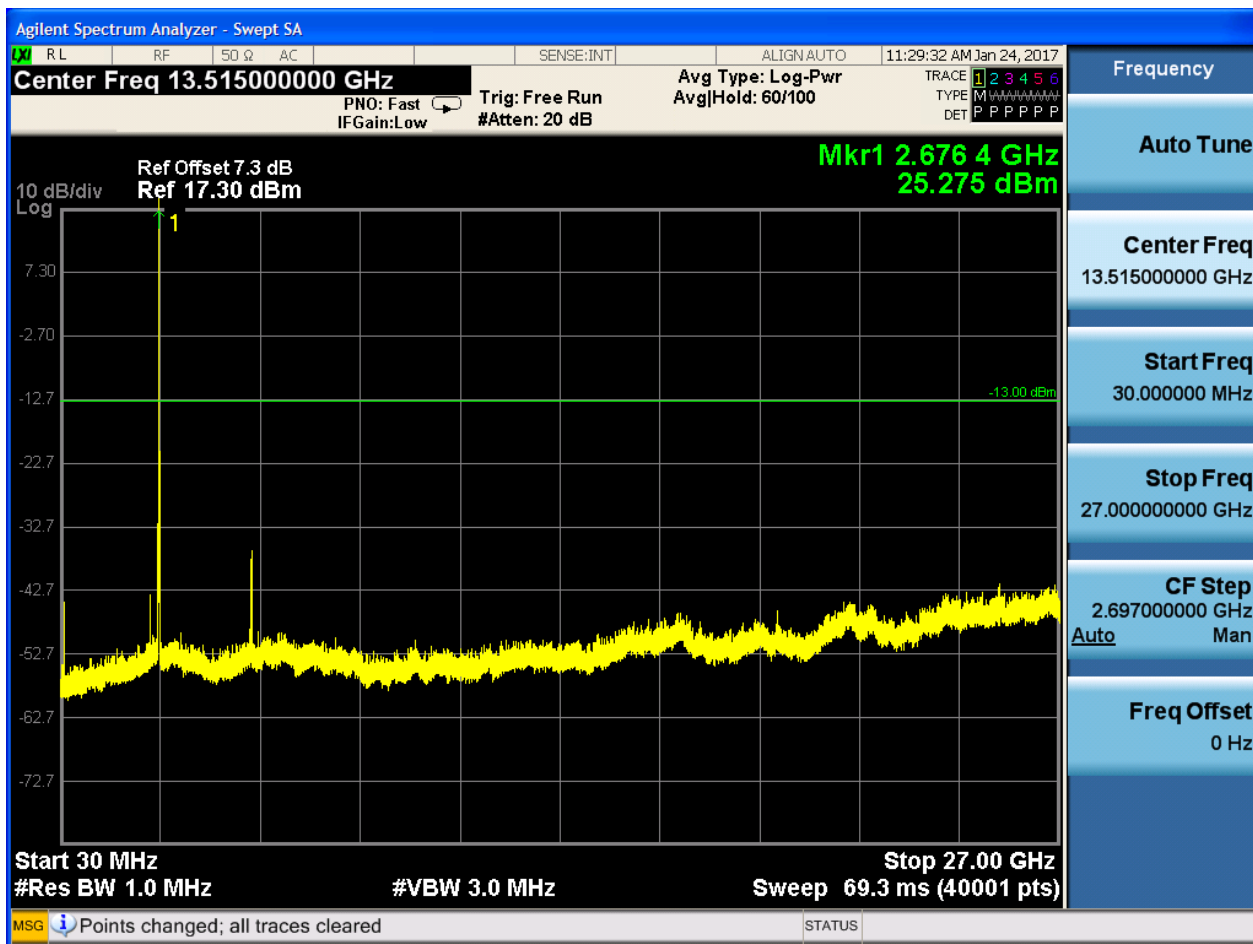


## 6.1.1.1.3.3 Test Channel = HCH

## 6.1.1.1.3.3.1 Test RB = RB1#0





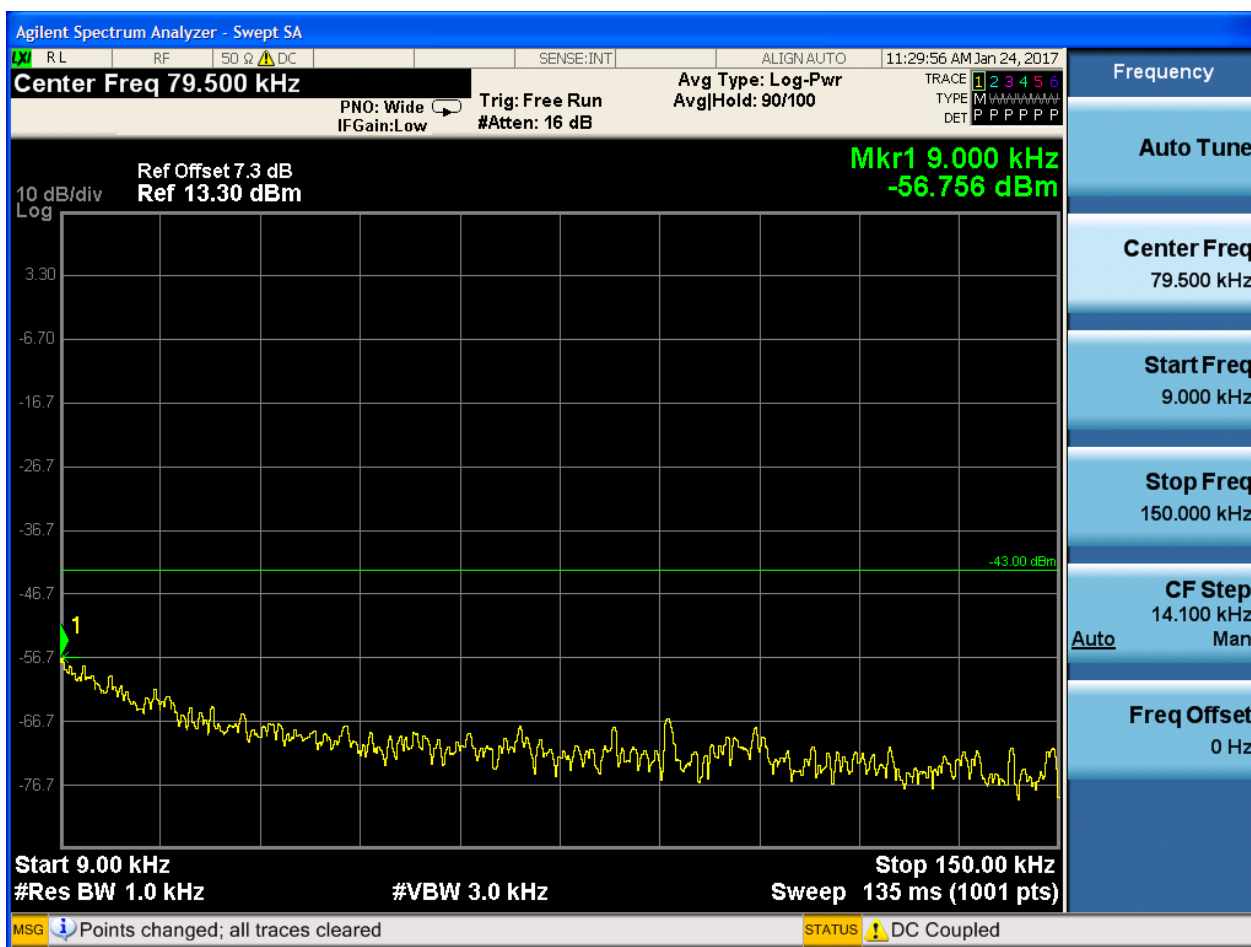


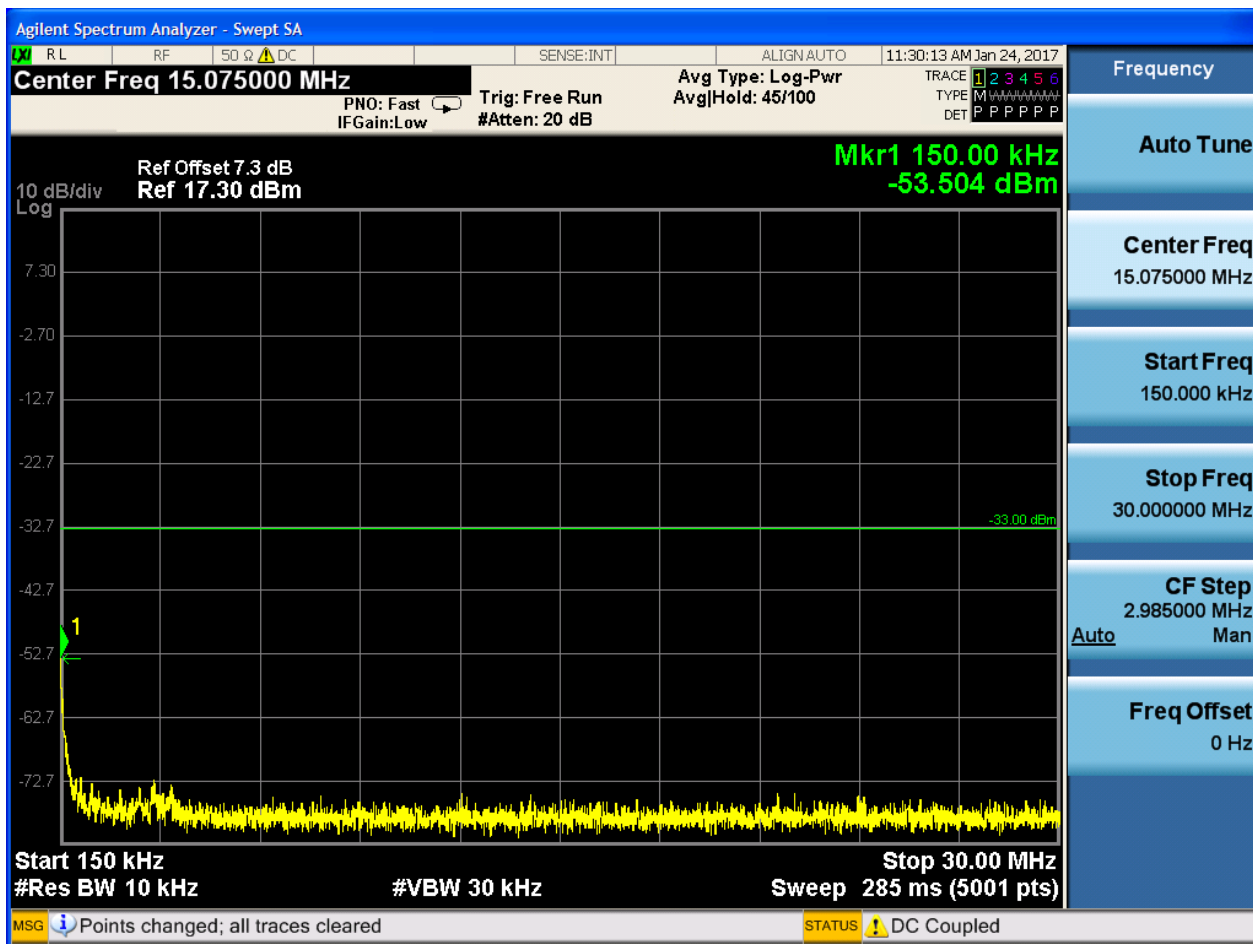


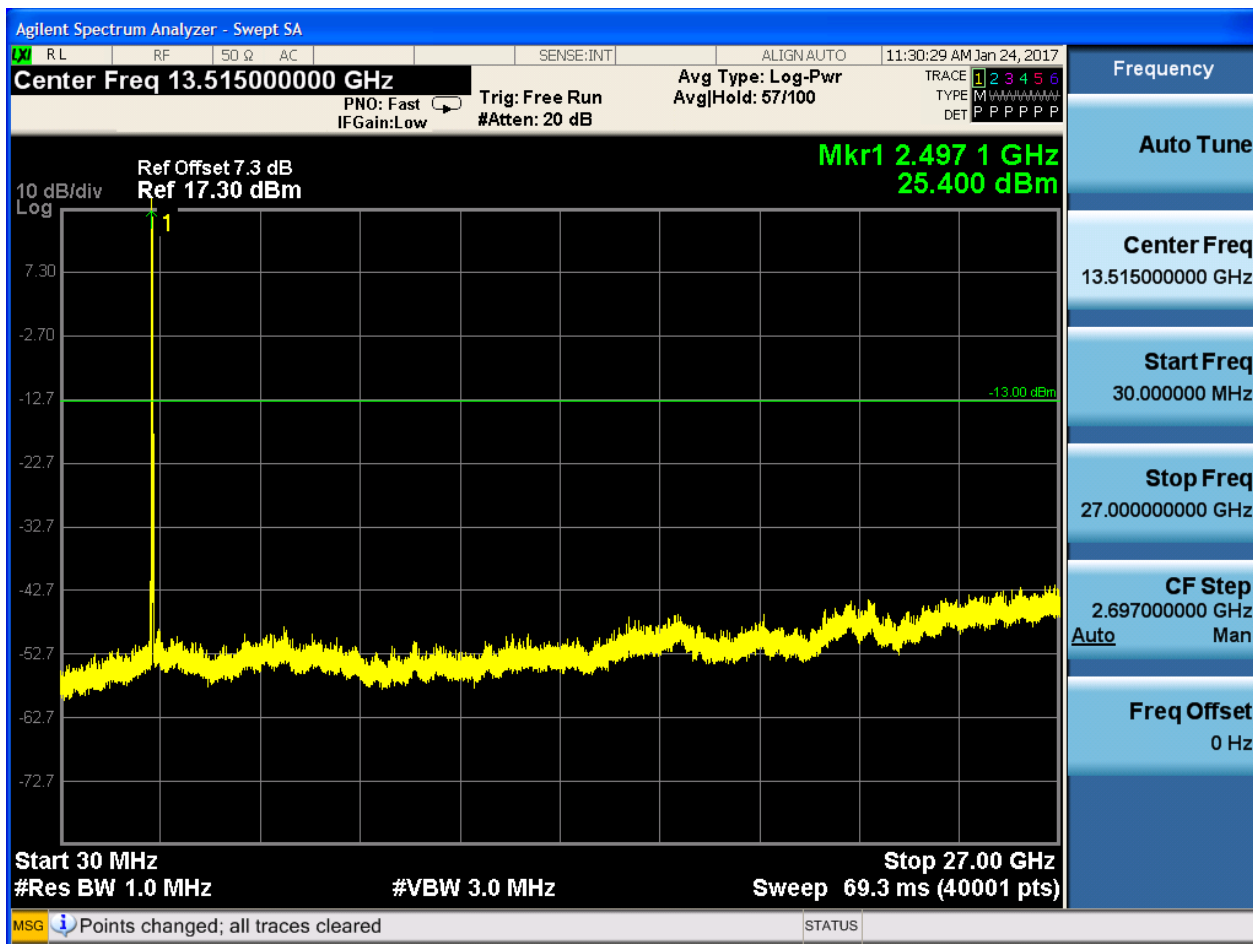
## 6.1.1.1.4 Test Bandwidth = 20

## 6.1.1.1.4.1 Test Channel = LCH

## 6.1.1.1.4.1.1 Test RB = RB1#0

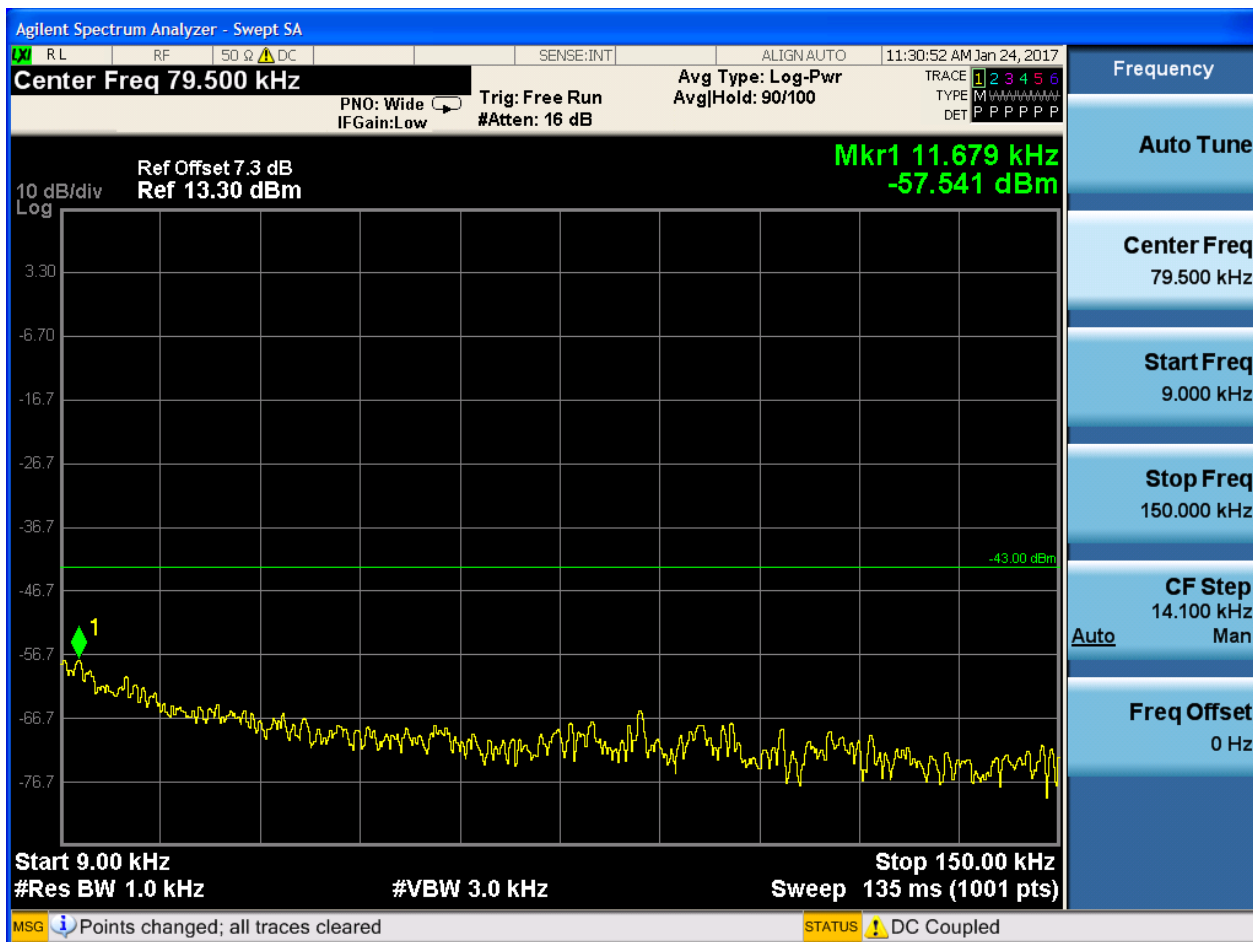


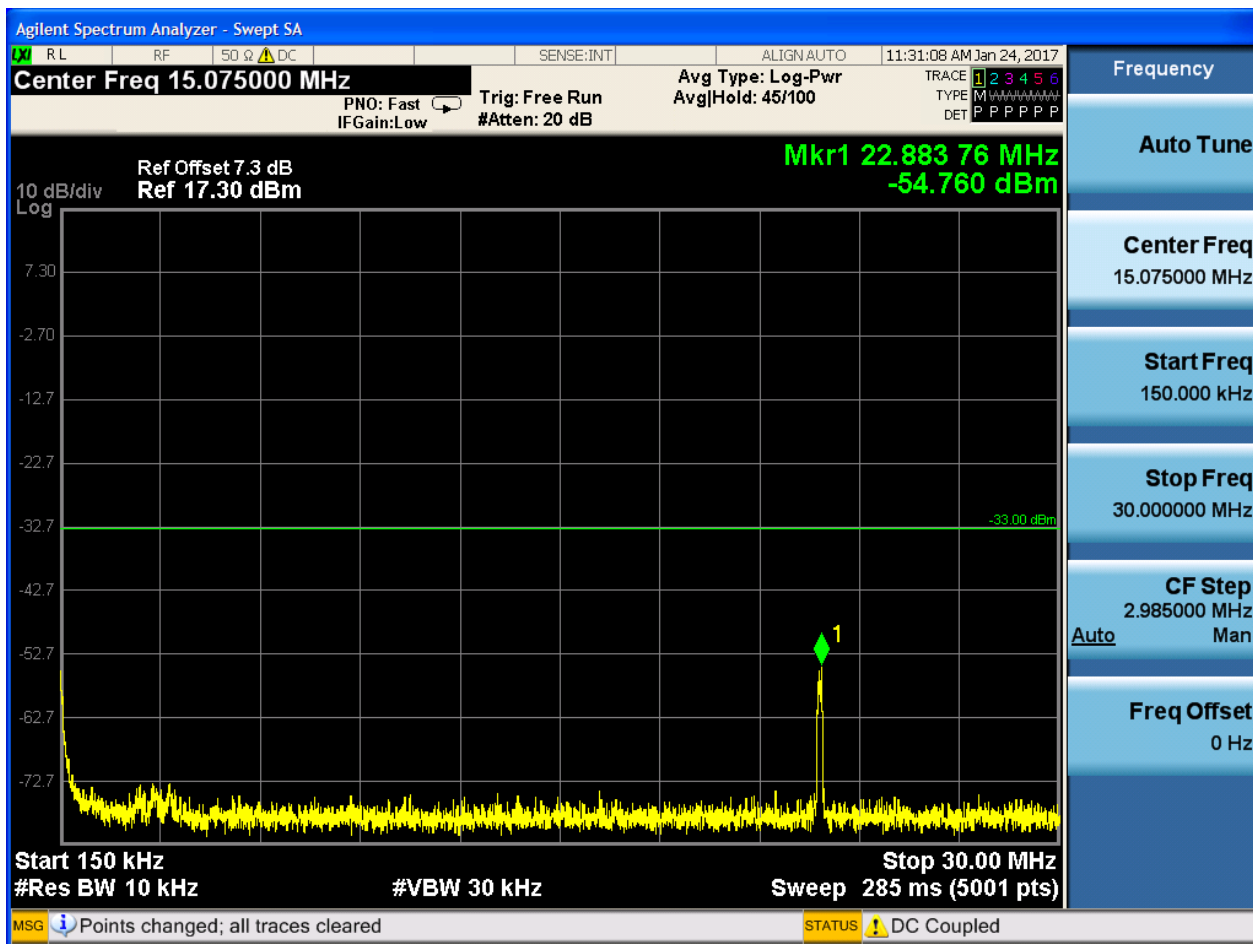




#### 6.1.1.1.4.2 Test Channel = MCH

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



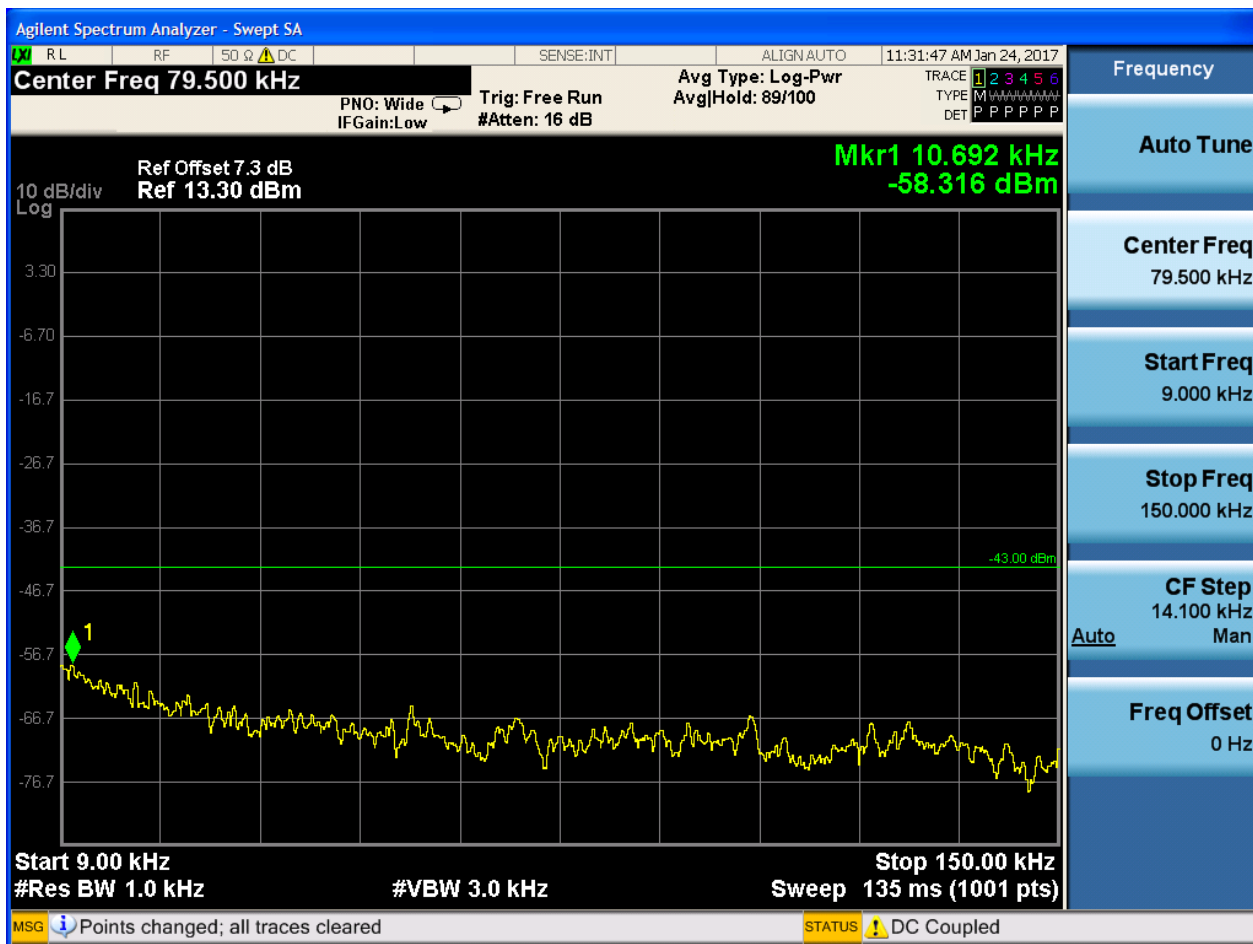


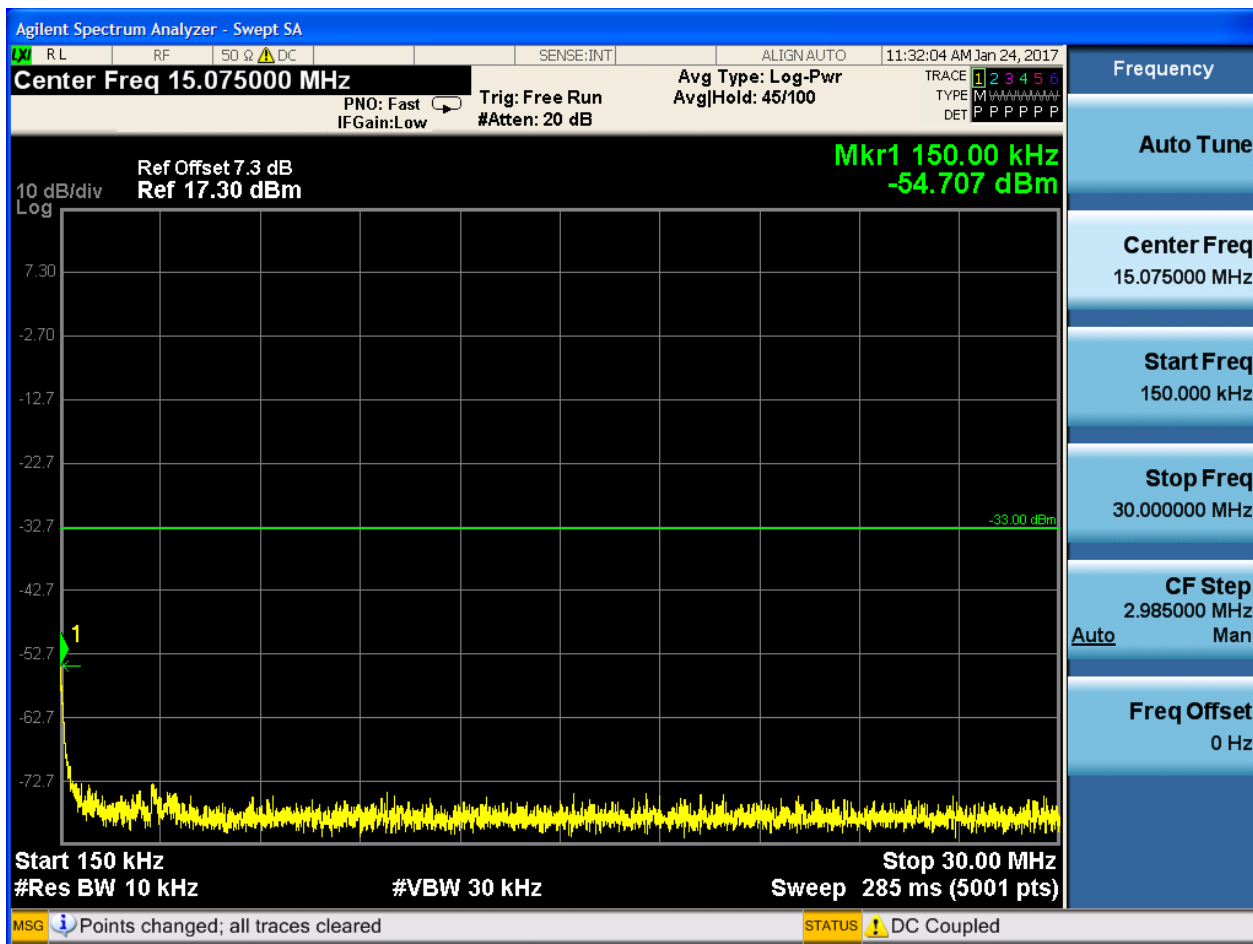


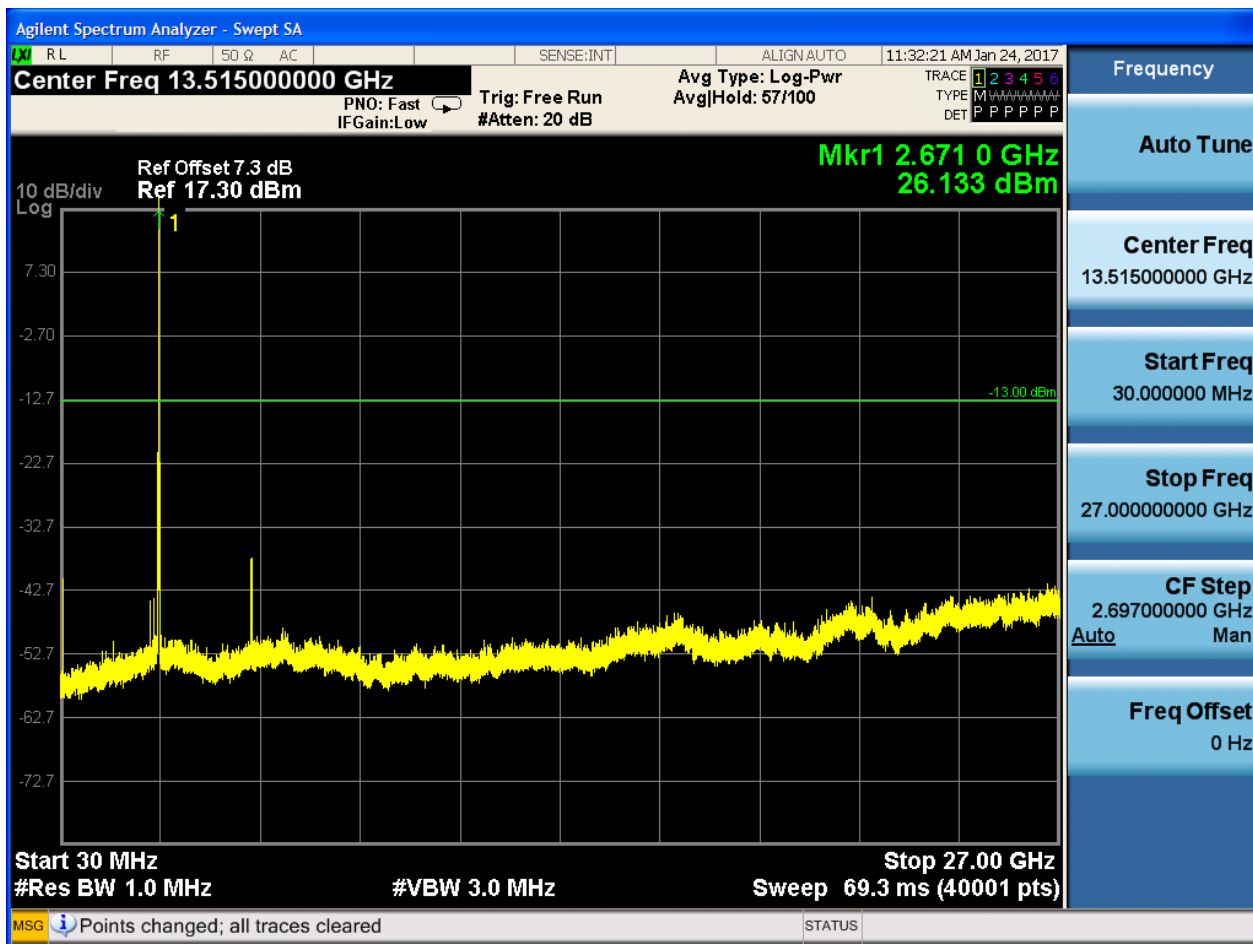


## 6.1.1.1.4.3 Test Channel = HCH

## 6.1.1.1.4.3.1 Test RB = RB1#0





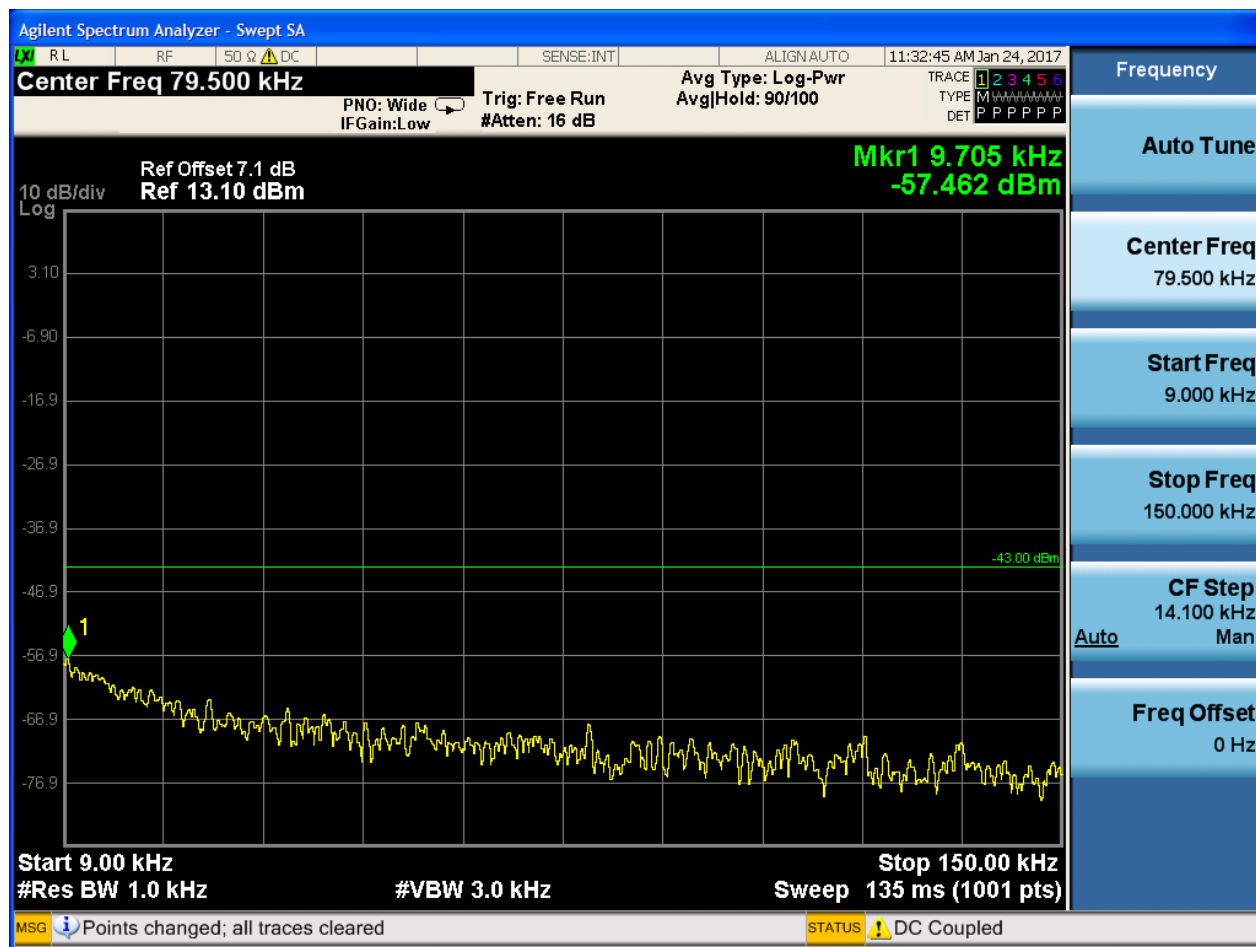


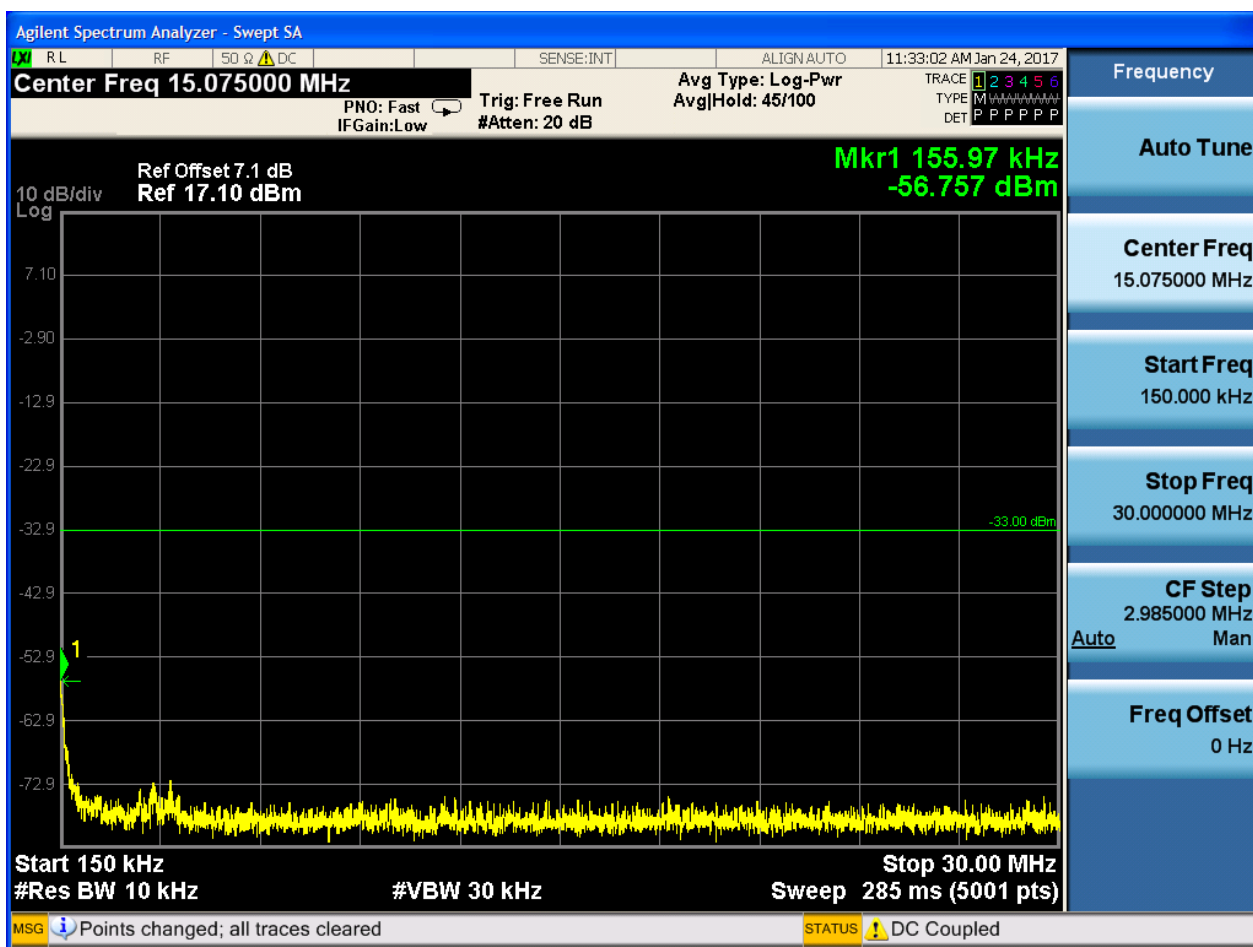
### 6.1.1.2 Test Mode = LTE/TM2

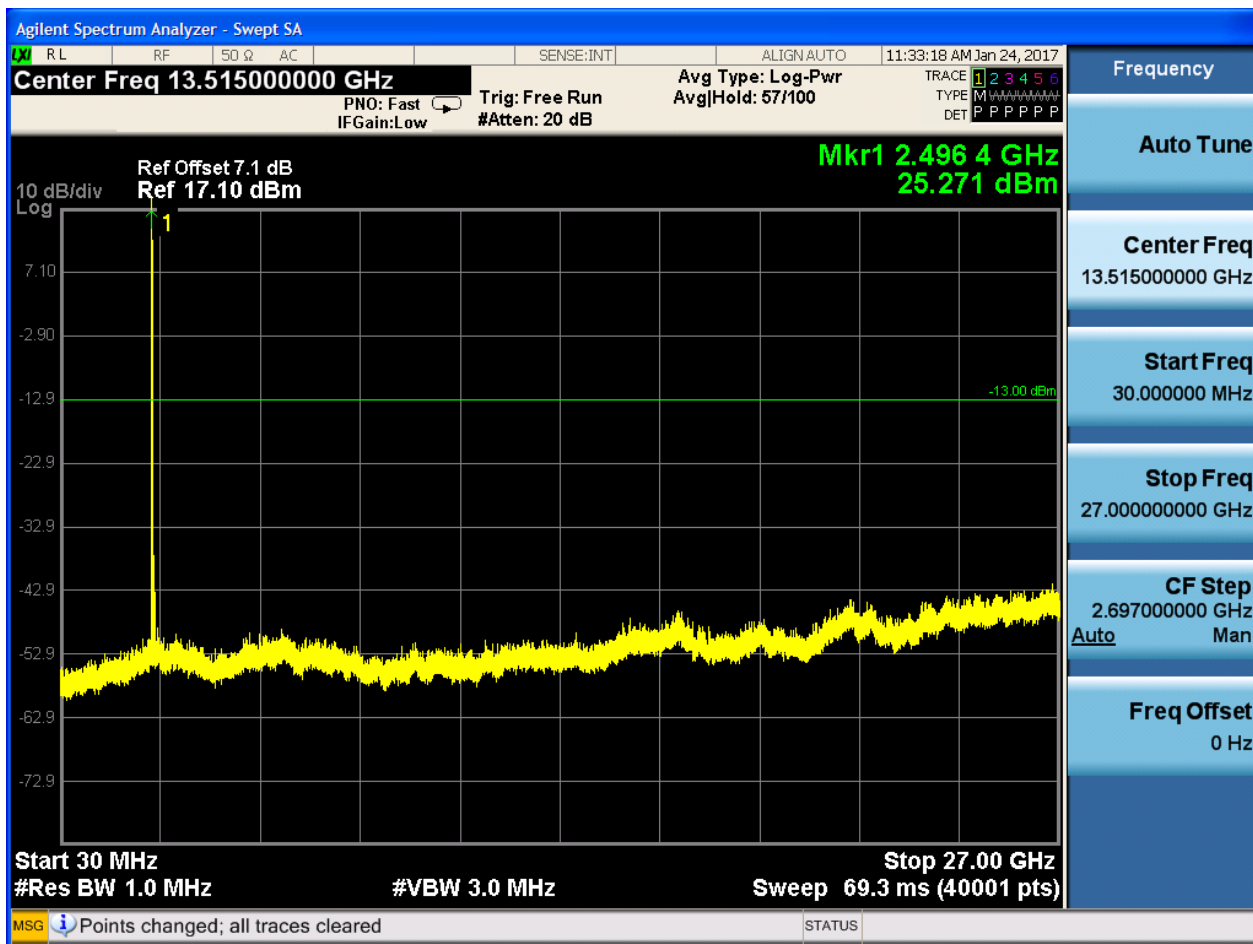
#### 6.1.1.2.1 Test Bandwidth = 5

##### 6.1.1.2.1.1 Test Channel = LCH

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



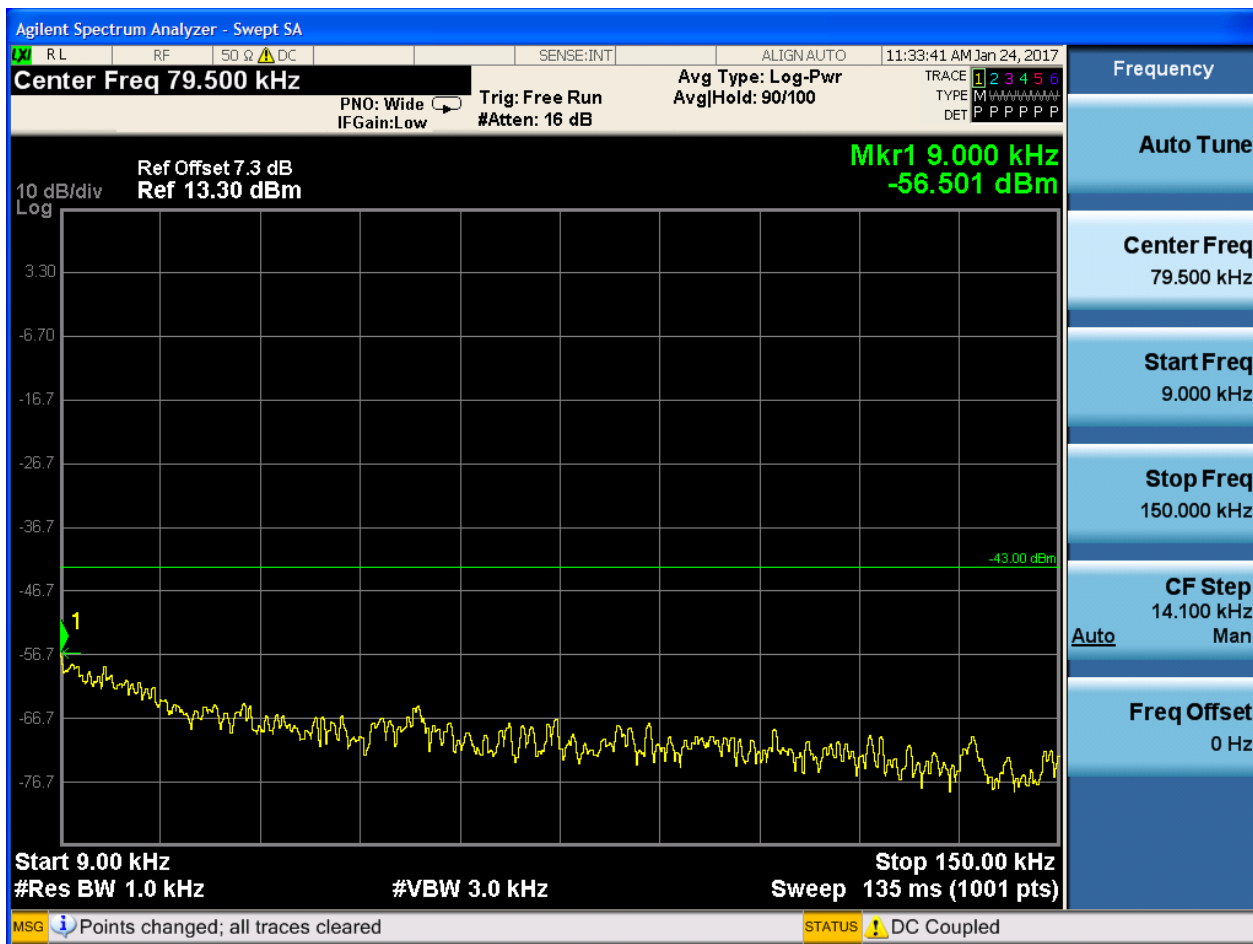


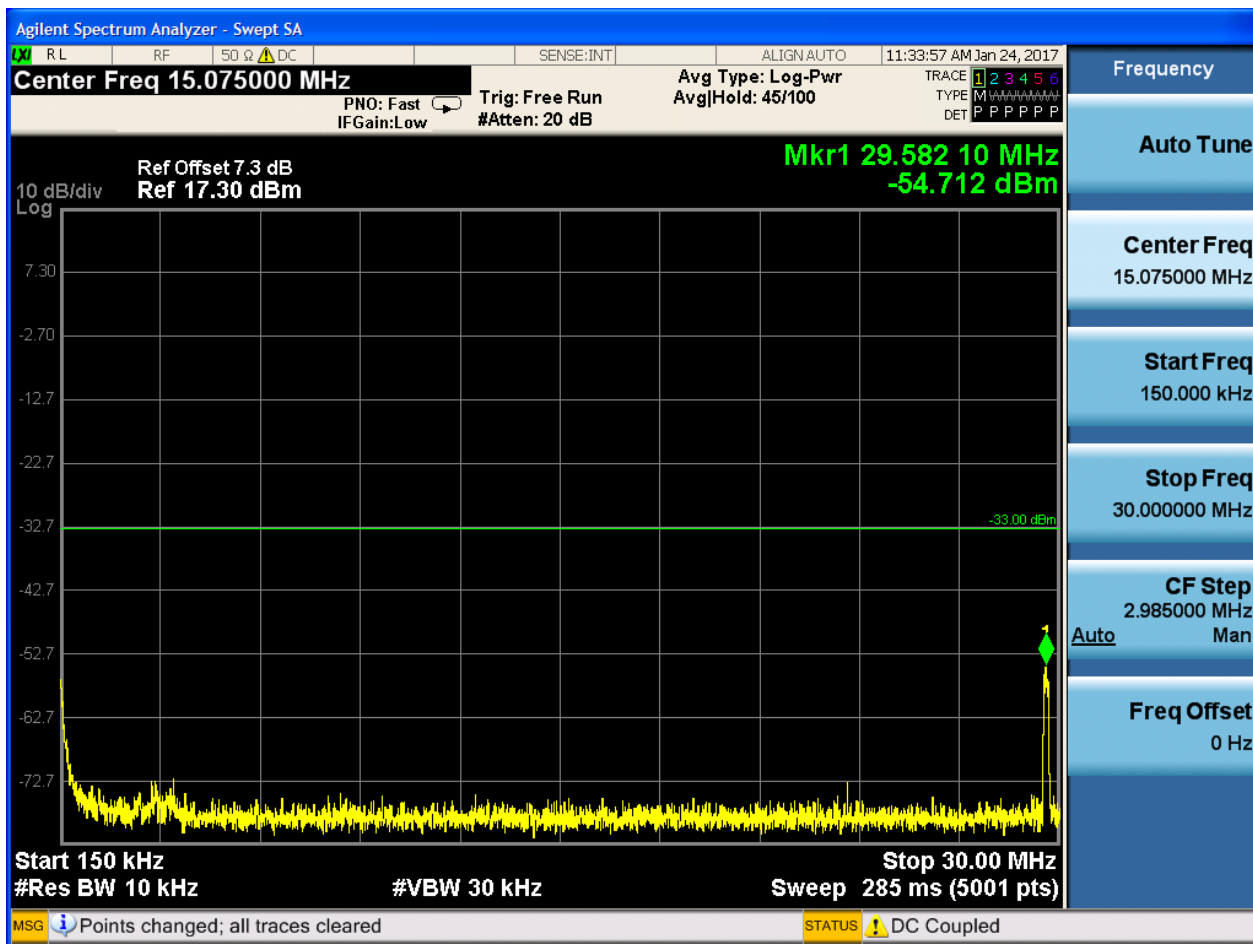


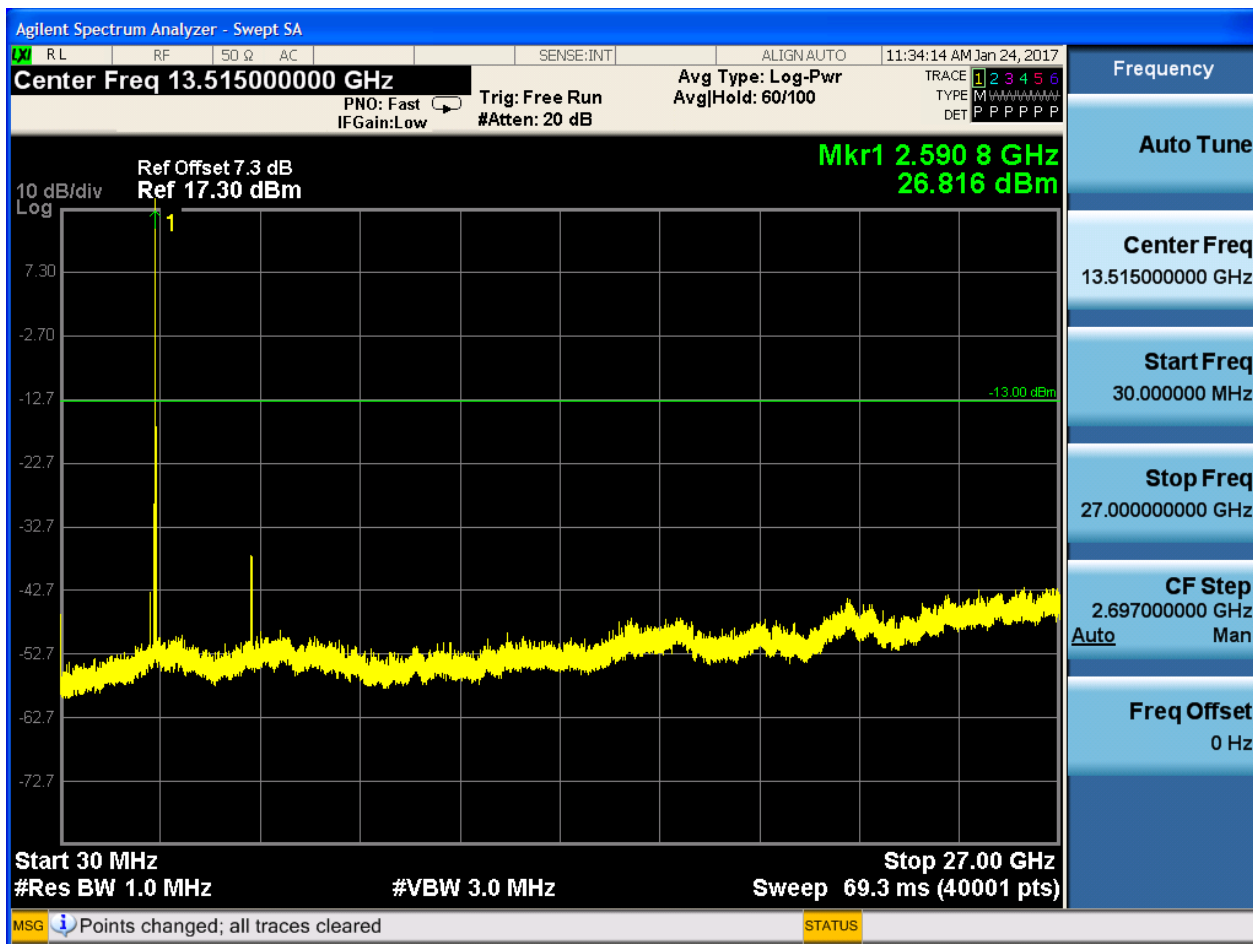


## 6.1.1.2.1.2 Test Channel = MCH

## 6.1.1.2.1.2.1 Test RB = RB1#0



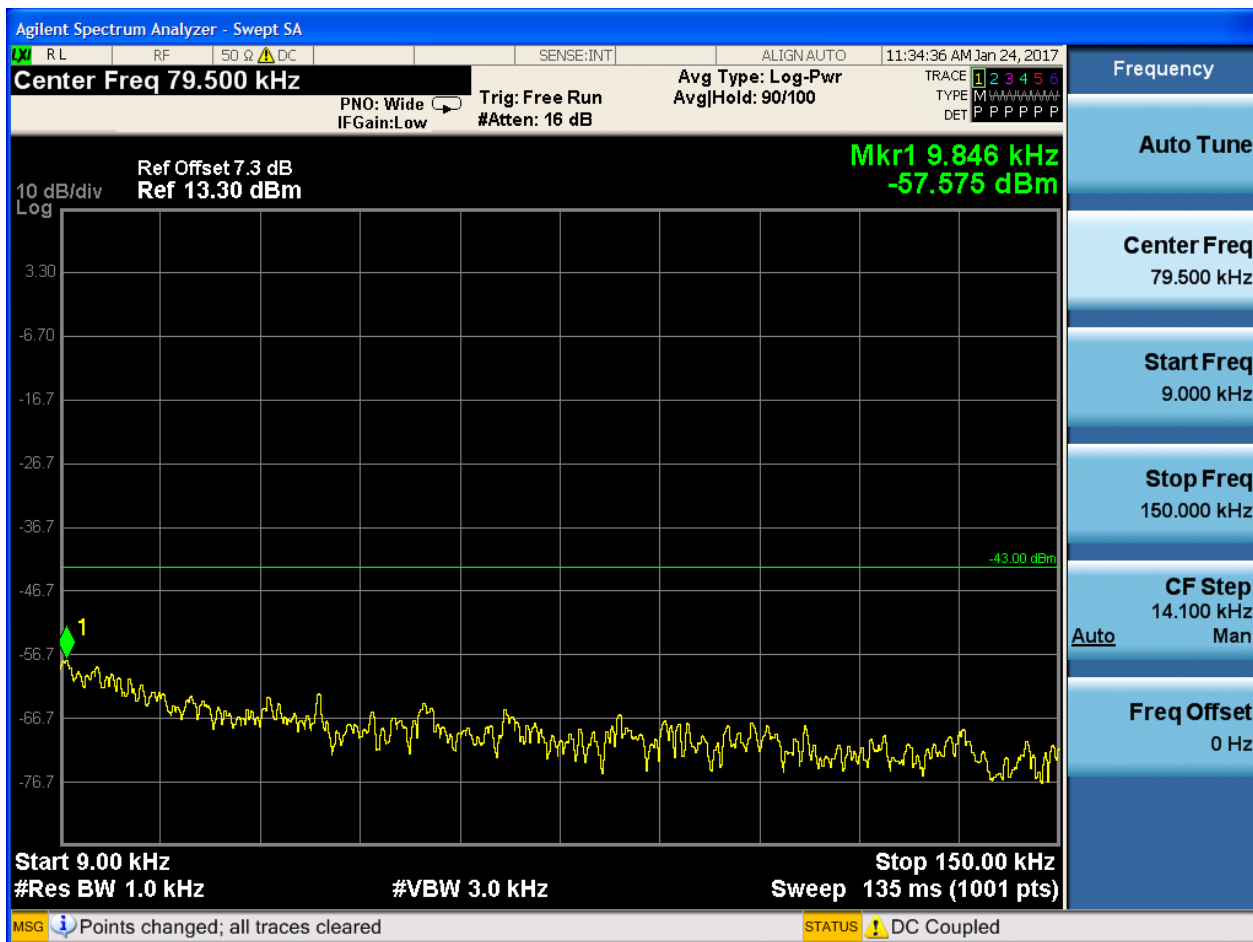


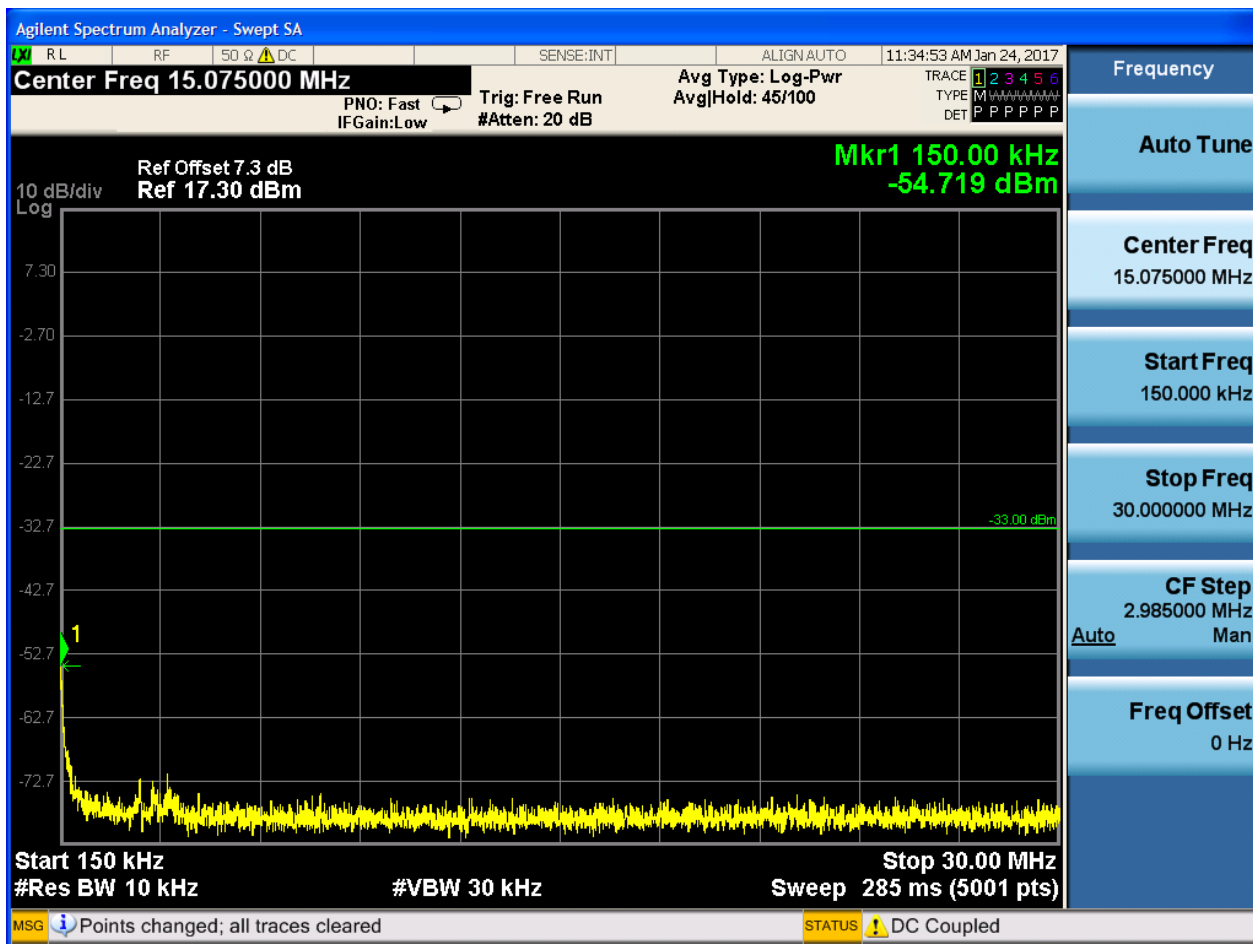


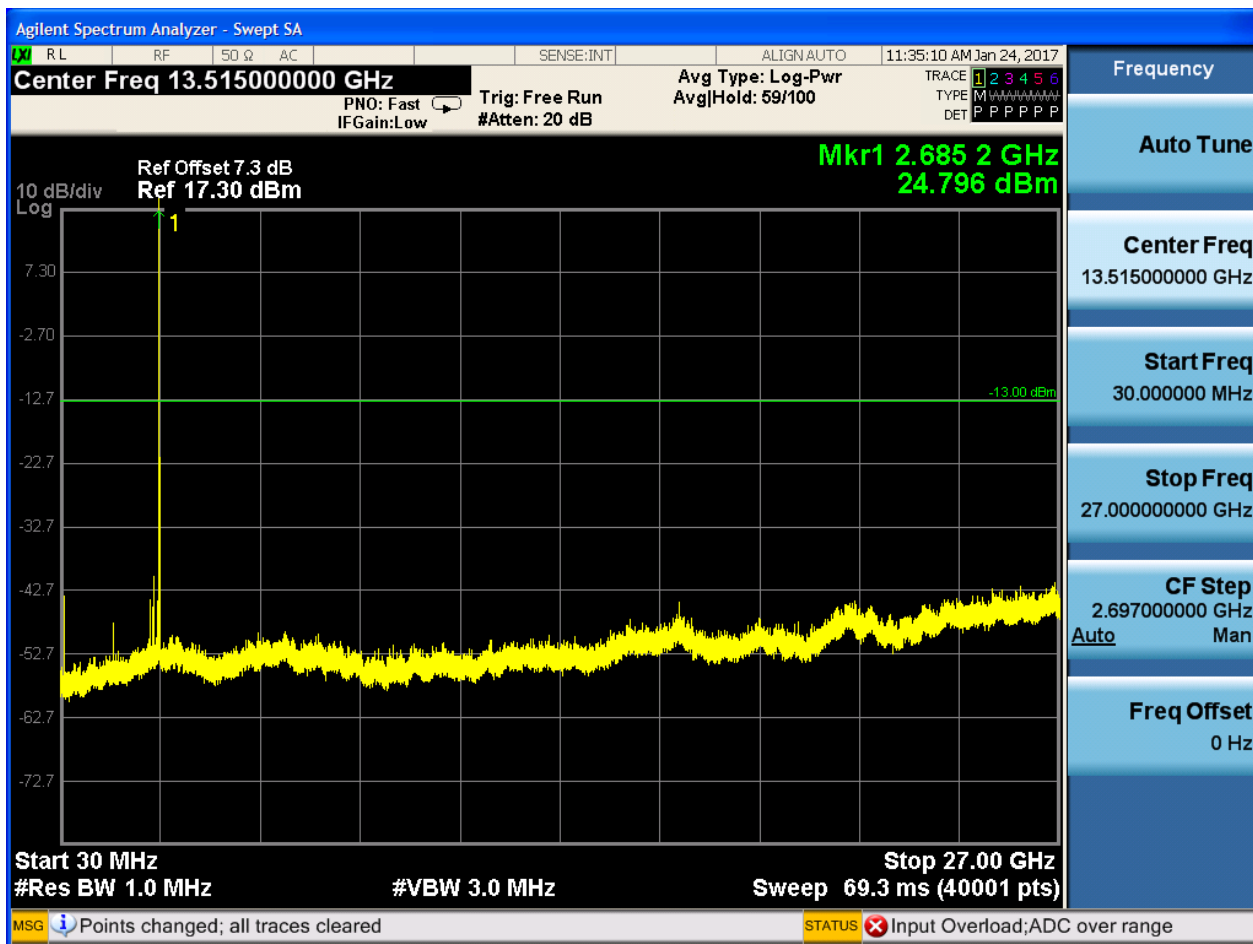


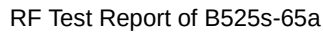
## 6.1.1.2.1.3 Test Channel = HCH

## 6.1.1.2.1.3.1 Test RB = RB1#0

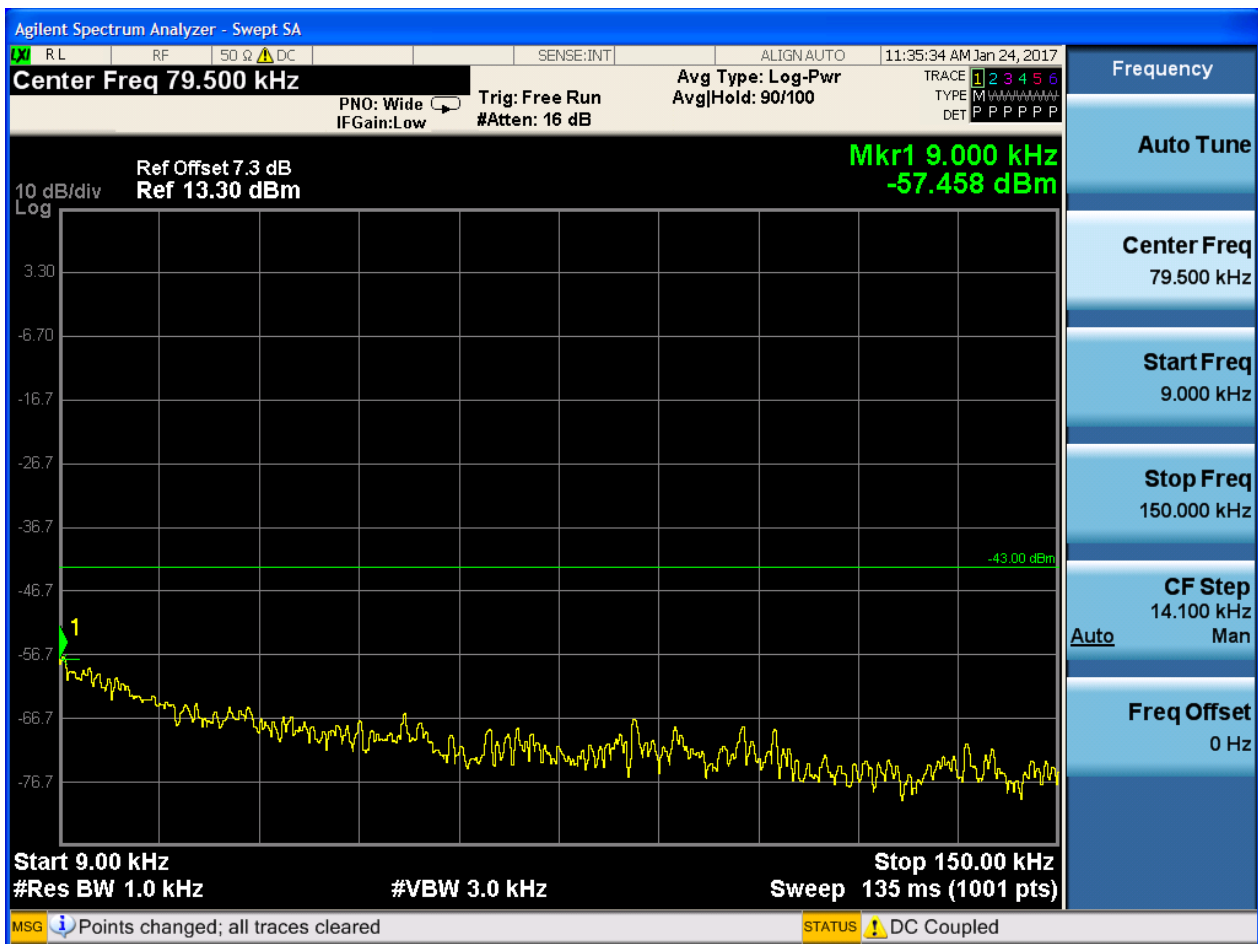


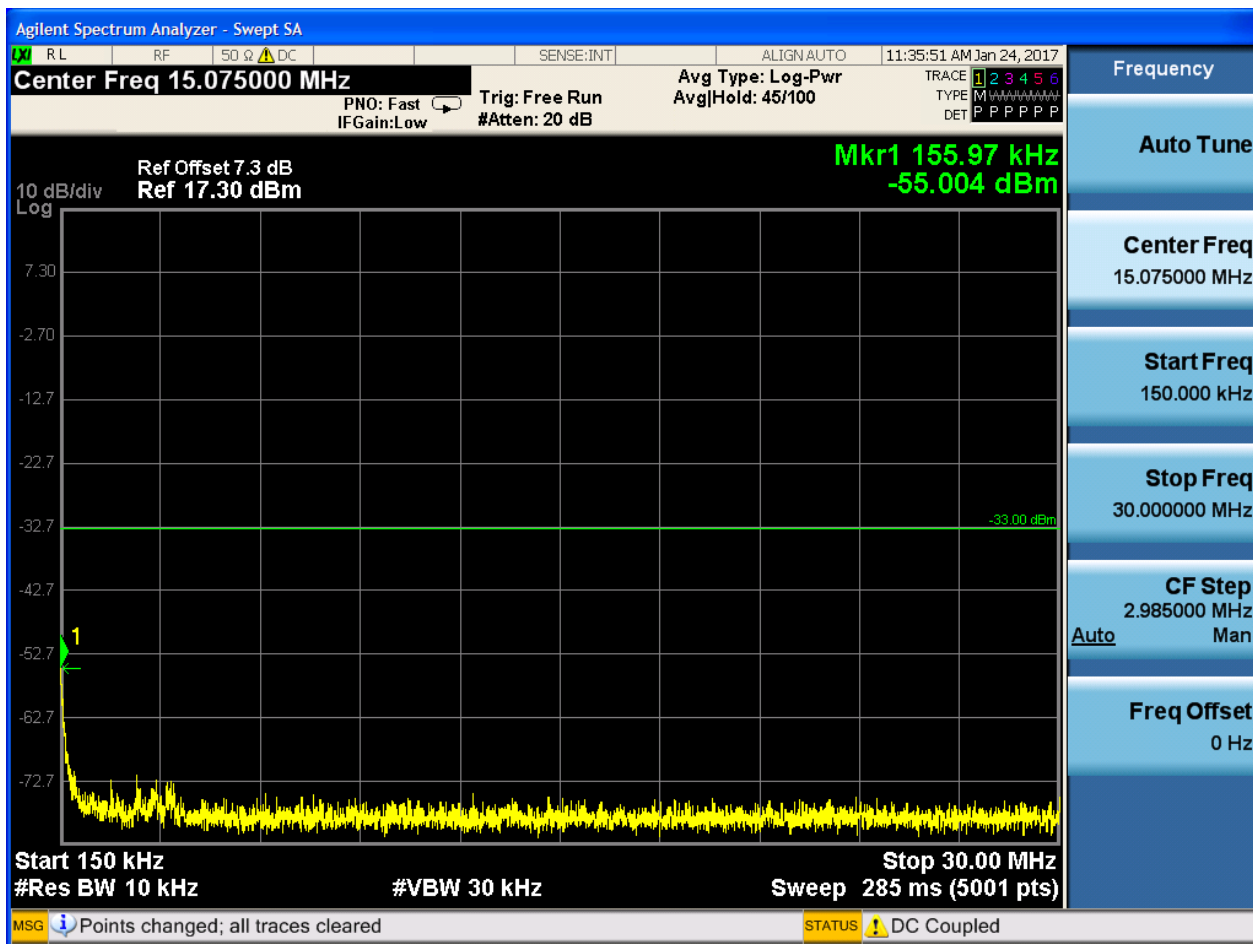


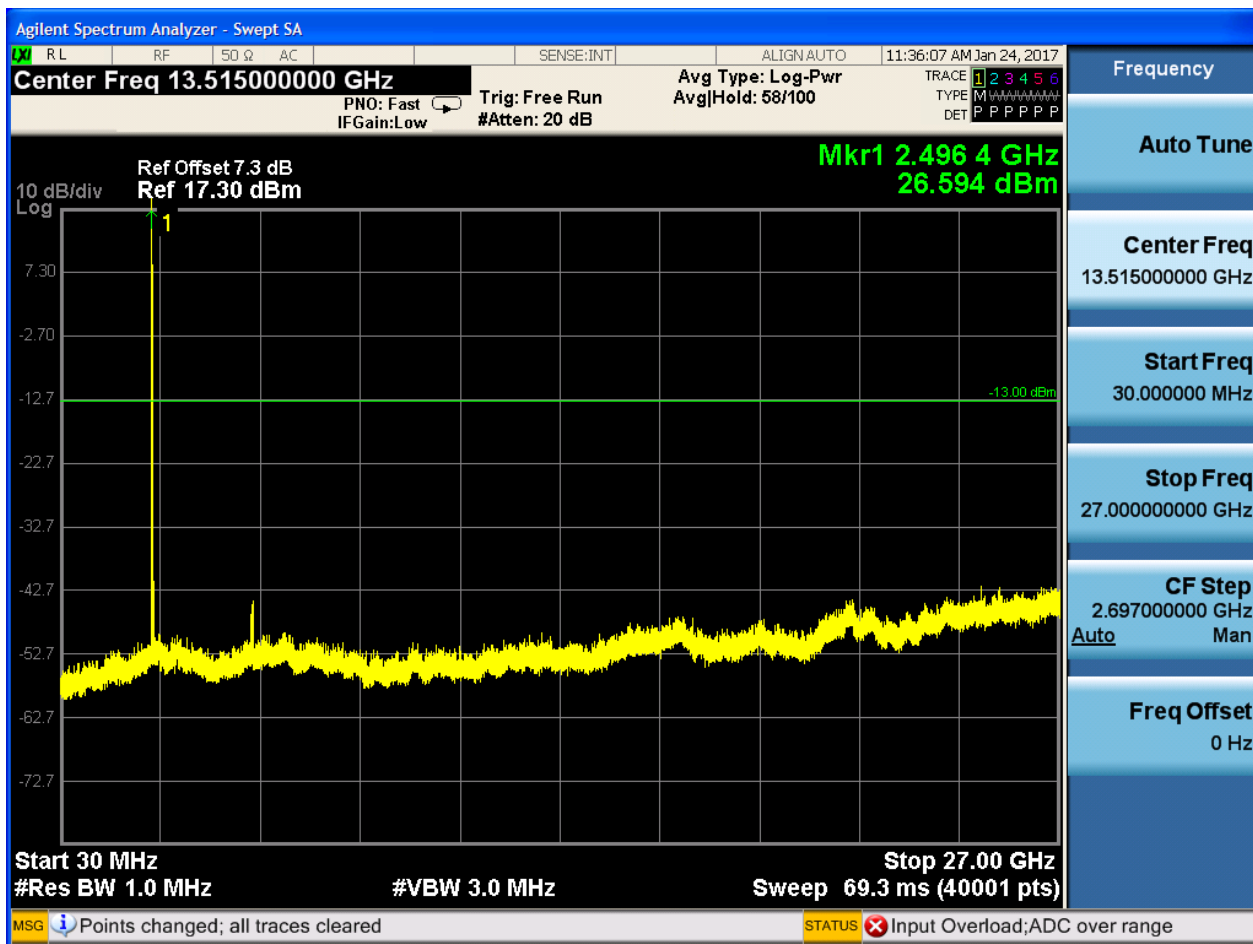




#### 6.1.1.2.2.1.1 Test RB = RB1#0

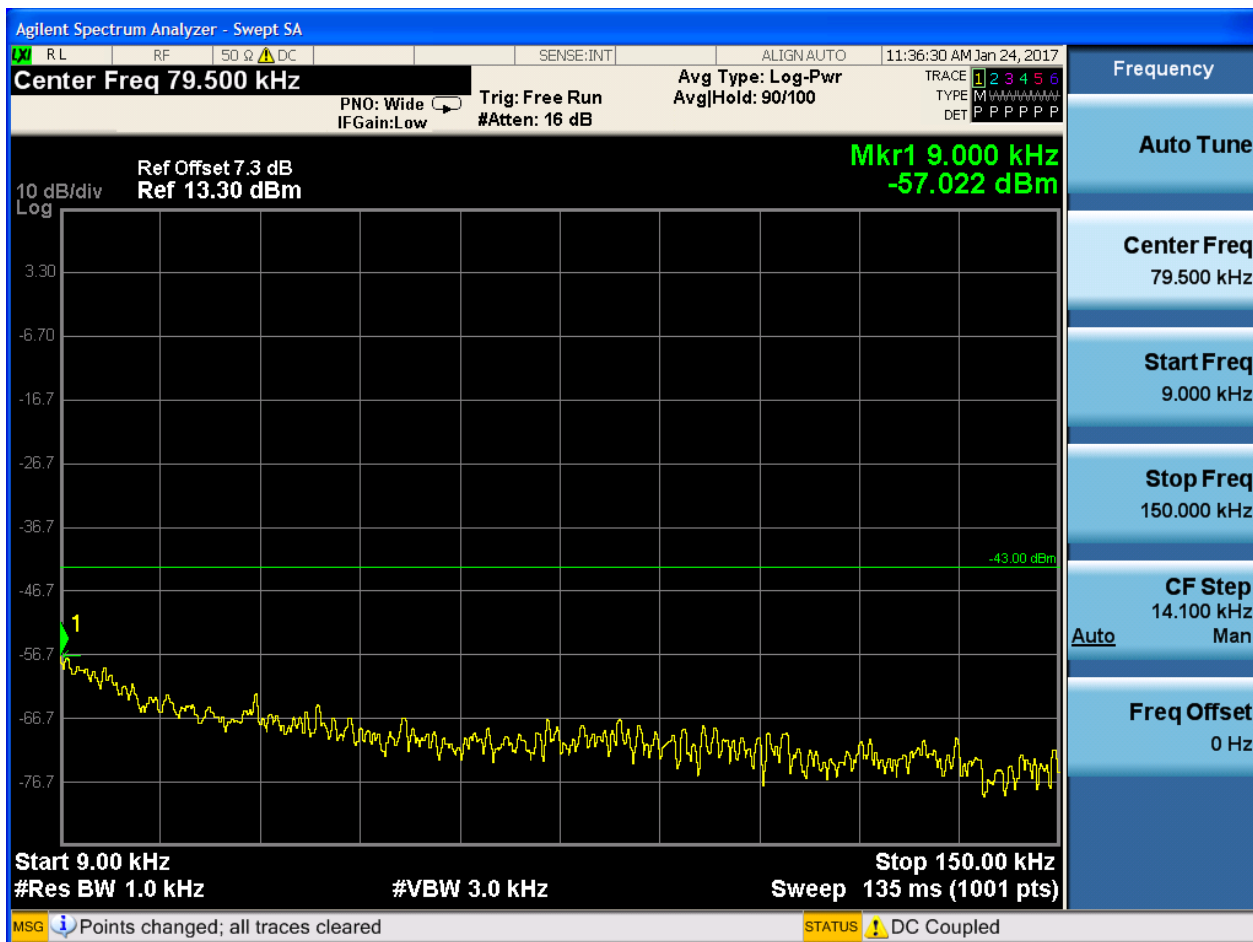


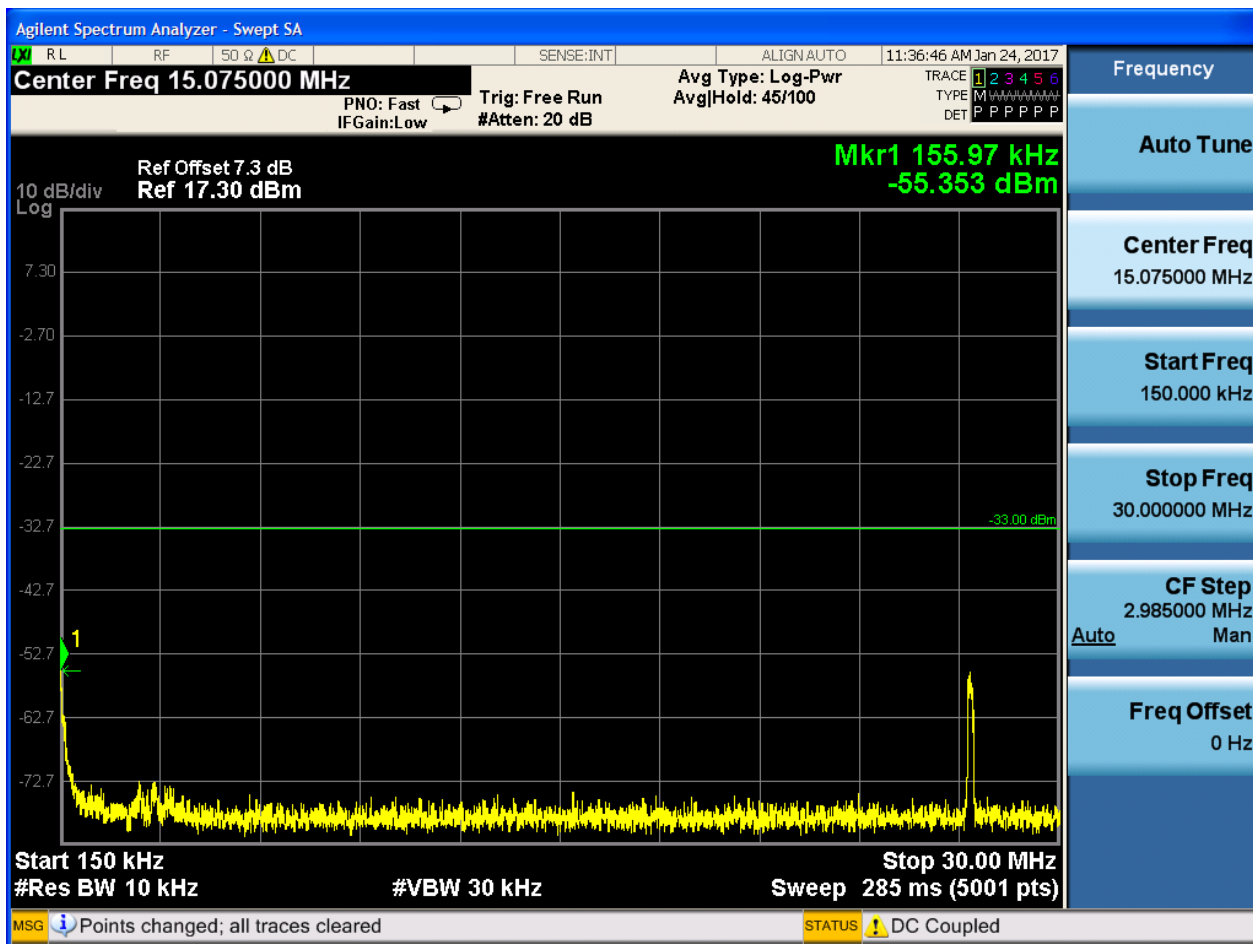


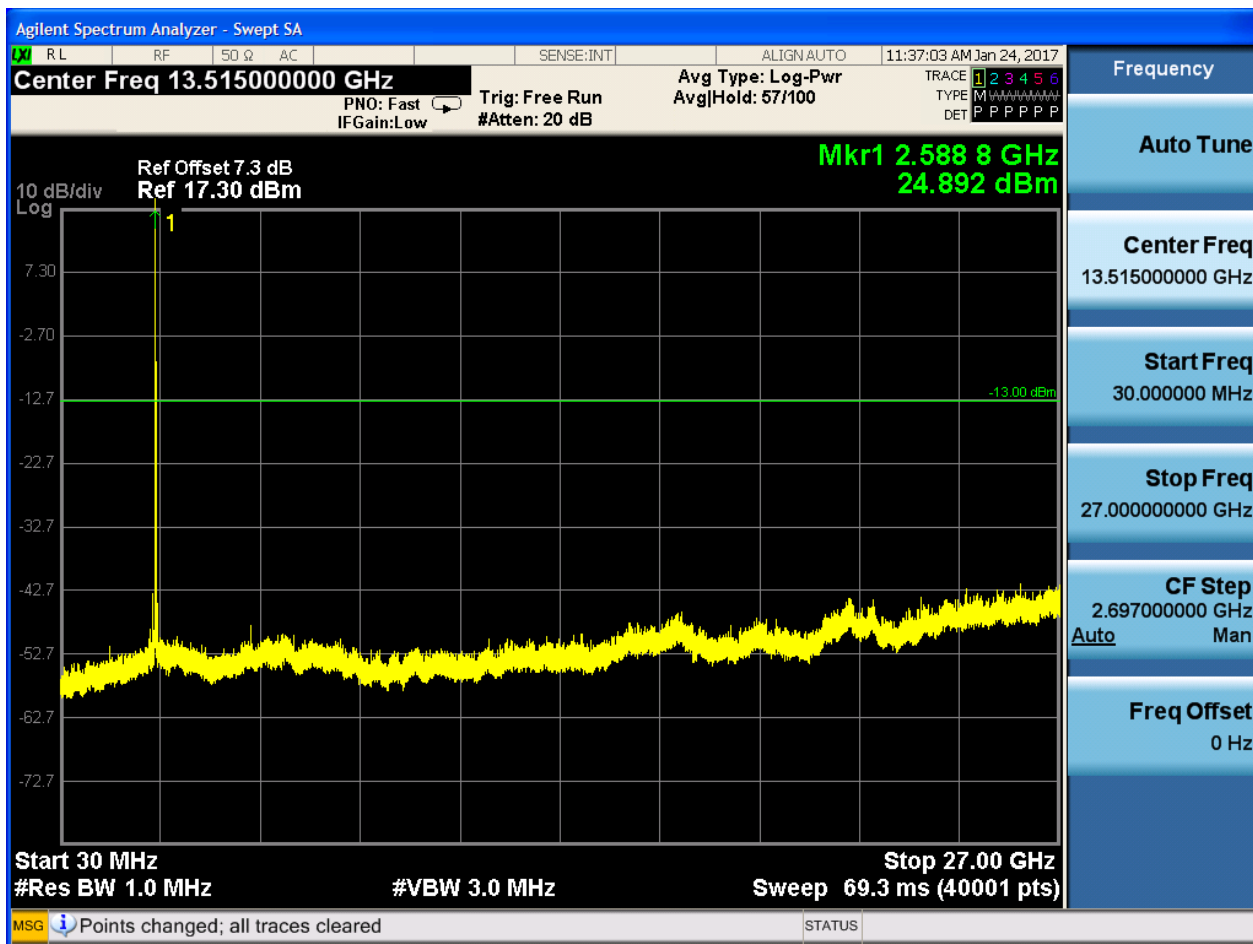


### 6.1.1.2.2.2 Test Channel = MCH

#### 6.1.1.2.2.2.1 Test RB = RB1#0



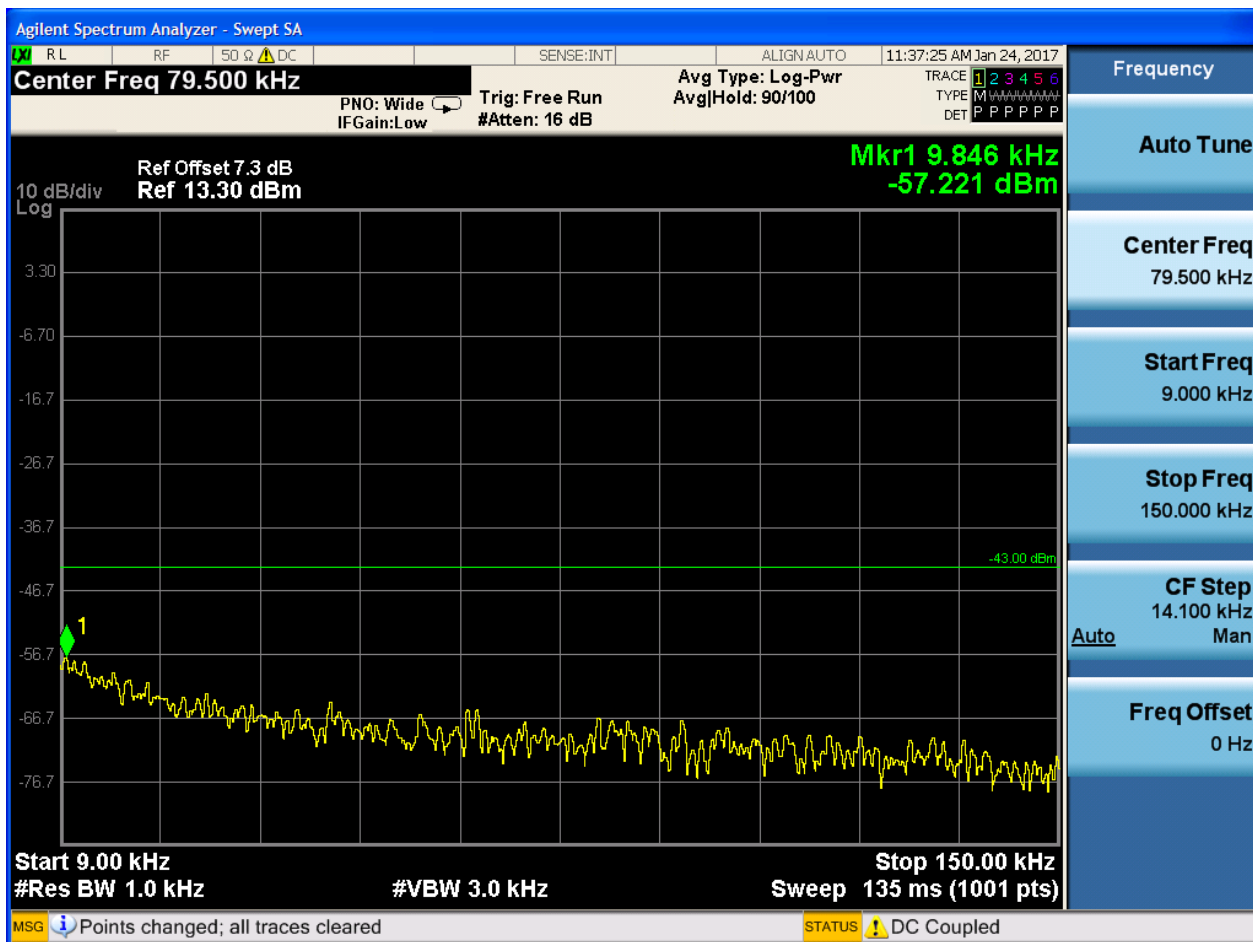


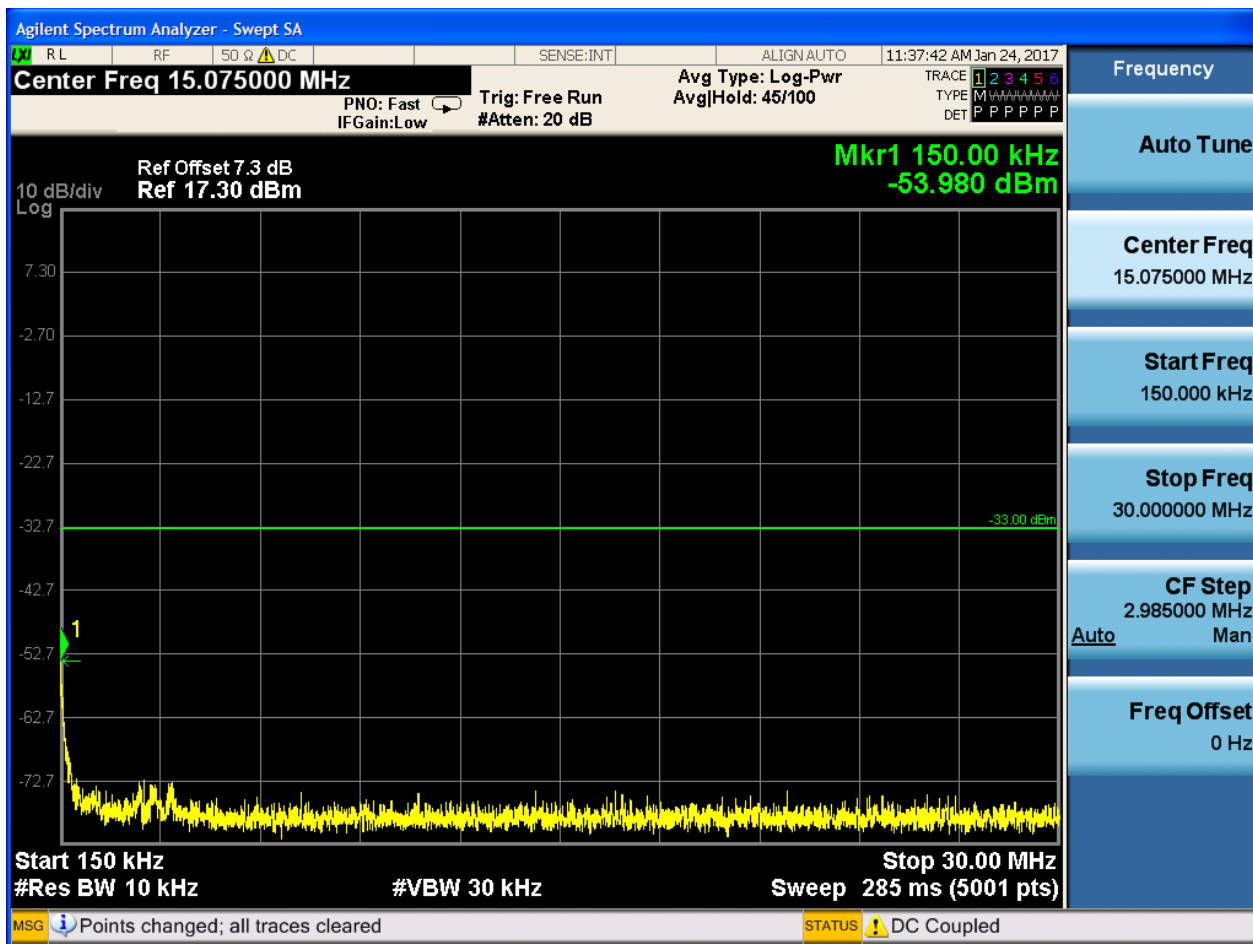


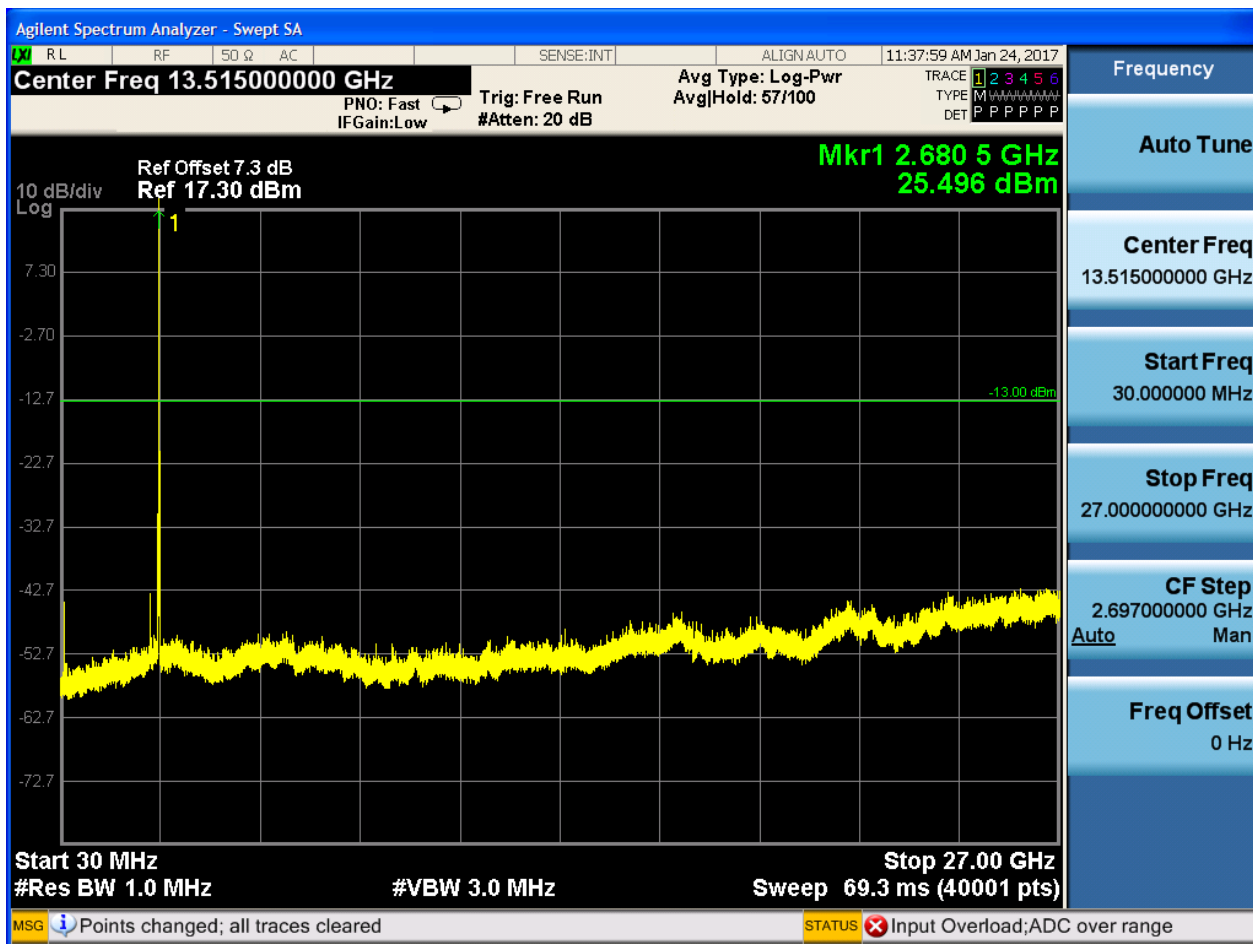


## 6.1.1.2.2.3 Test Channel = HCH

## 6.1.1.2.2.3.1 Test RB = RB1#0





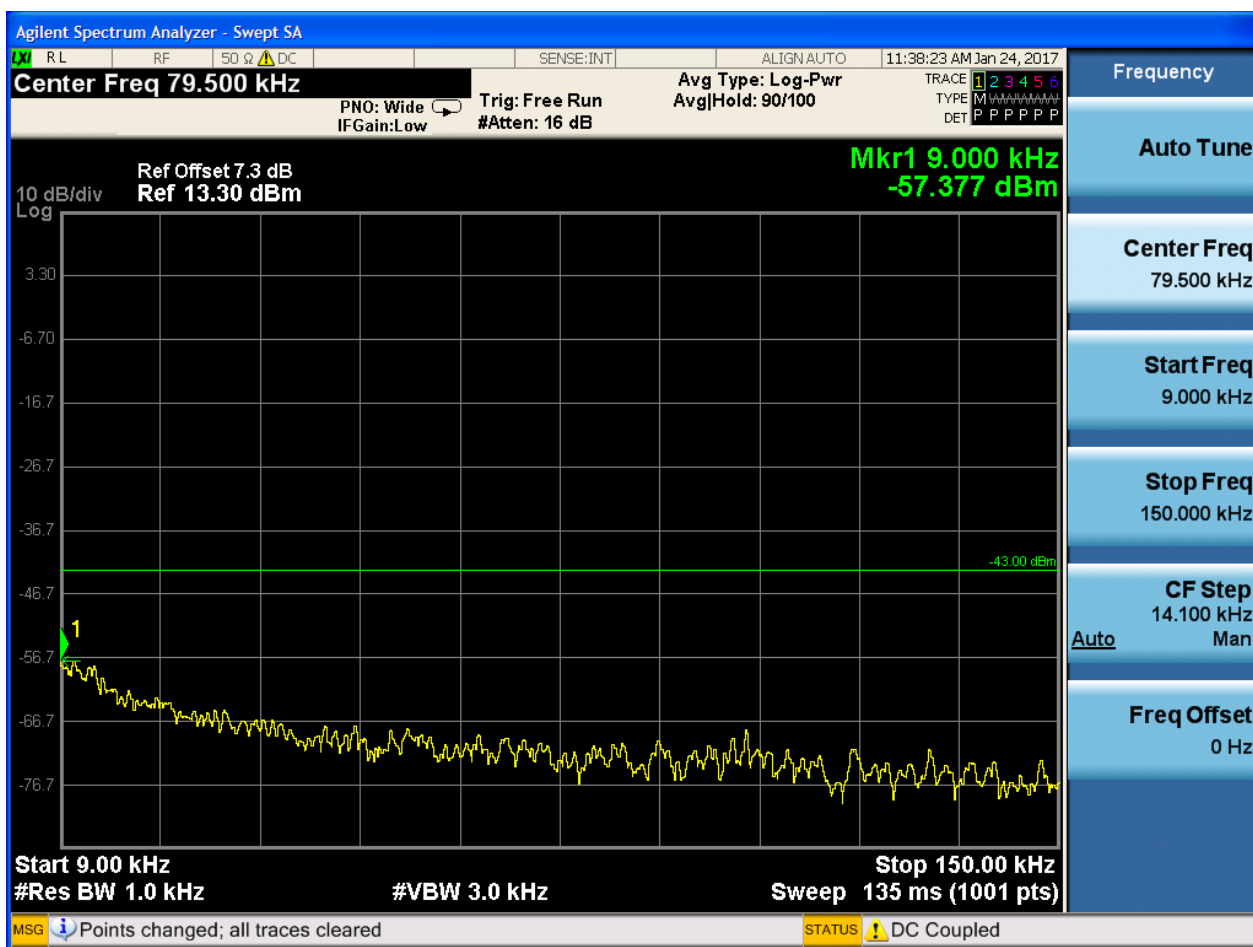


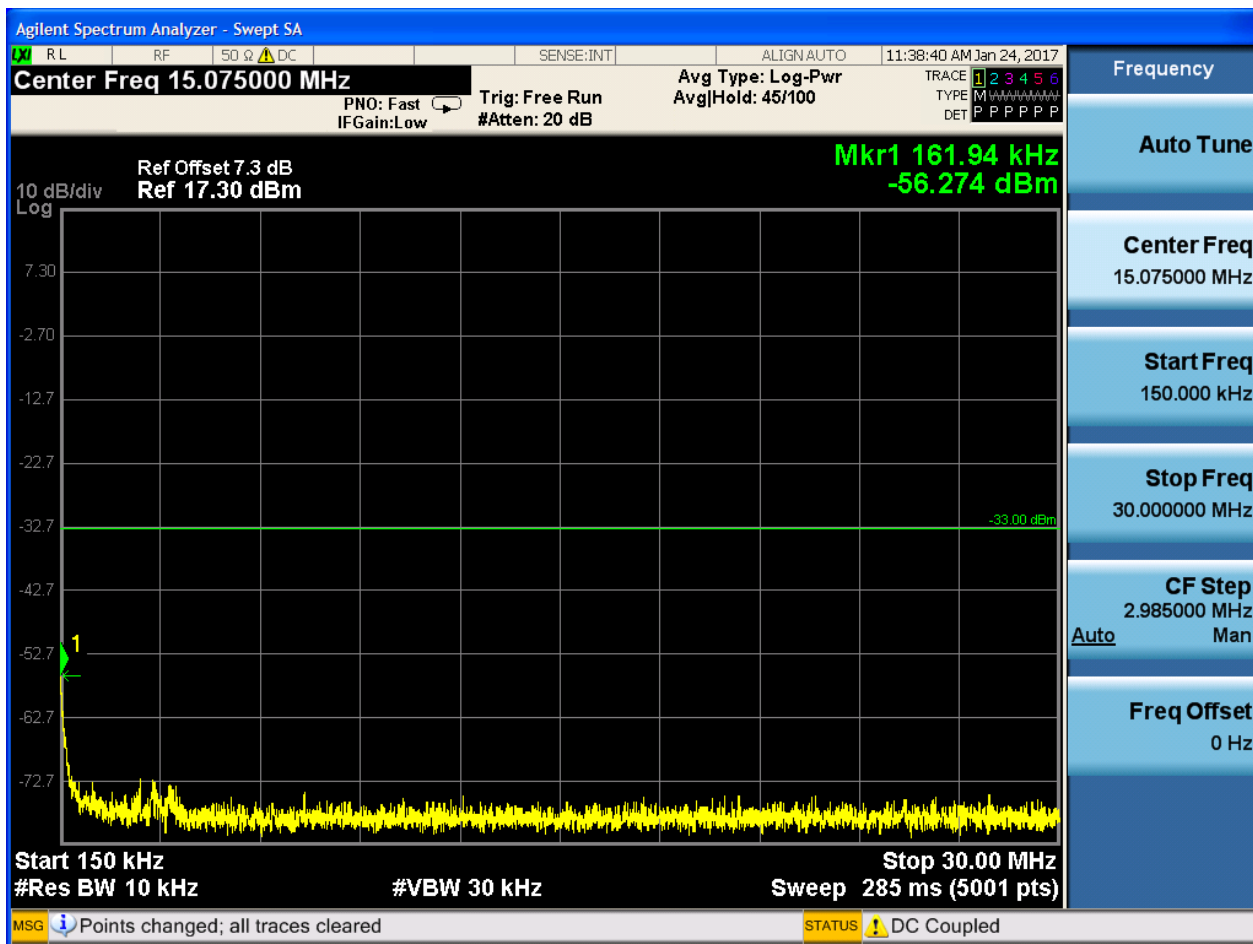


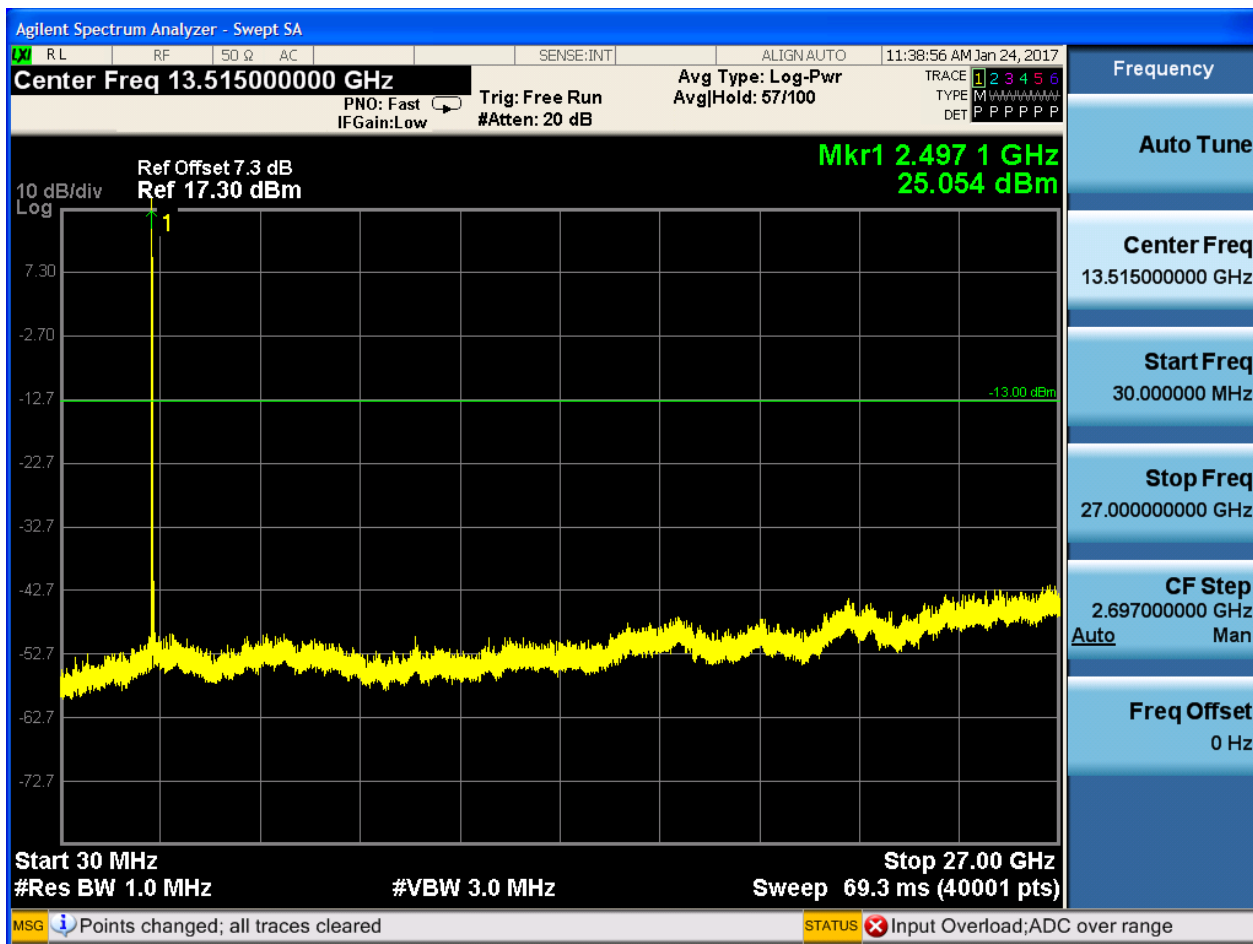
## 6.1.1.2.3 Test Bandwidth = 15

## 6.1.1.2.3.1 Test Channel = LCH

## 6.1.1.2.3.1.1 Test RB = RB1#0



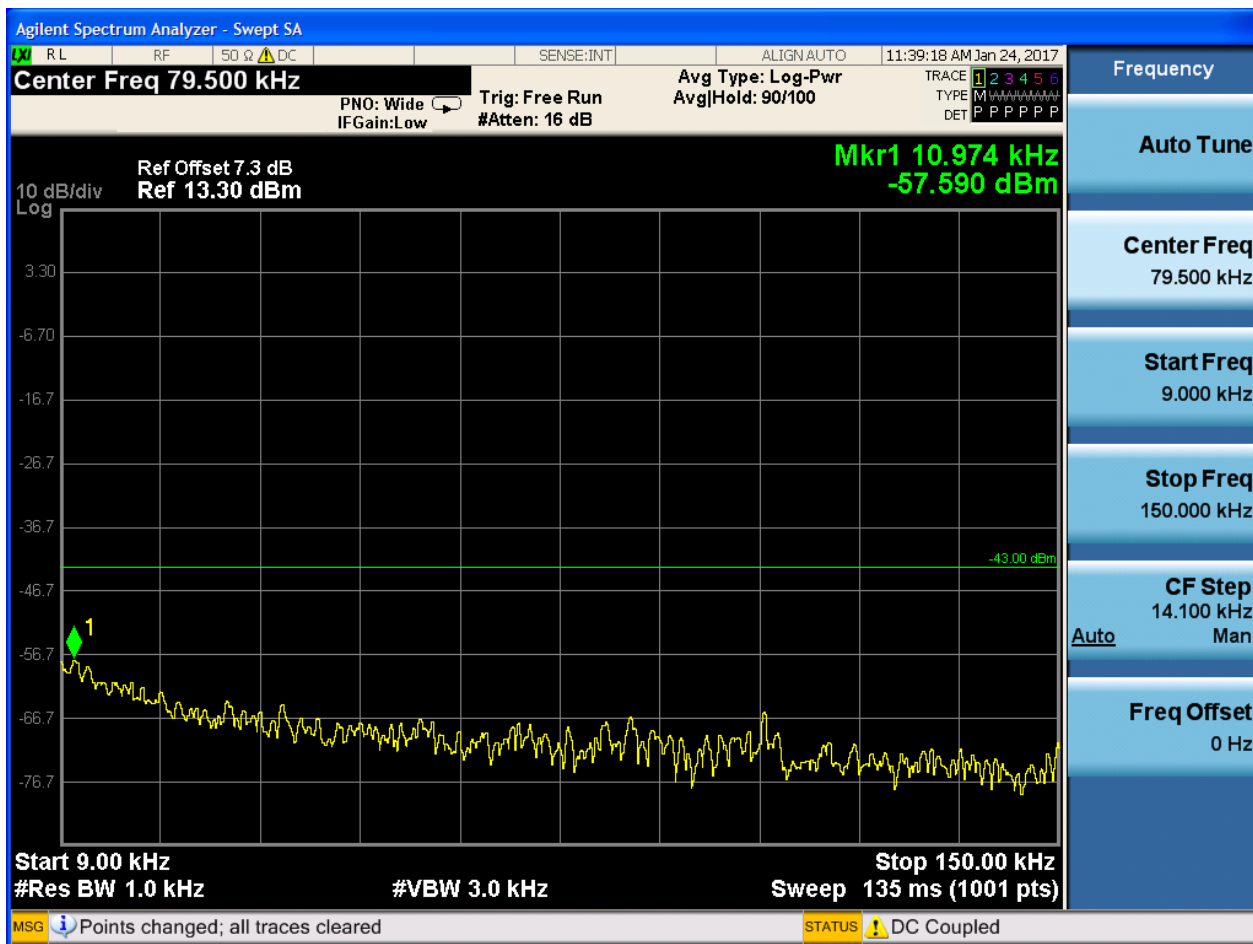


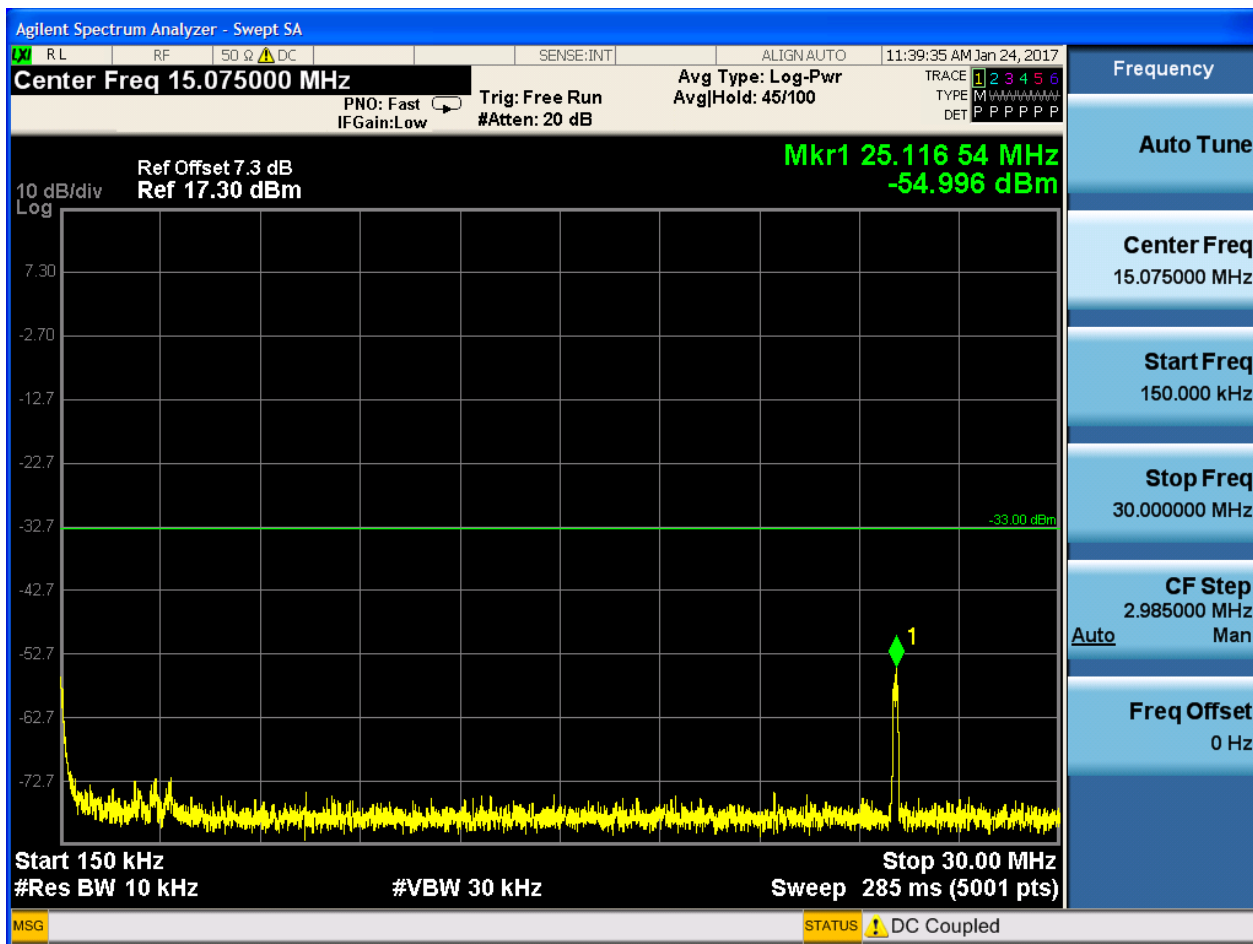


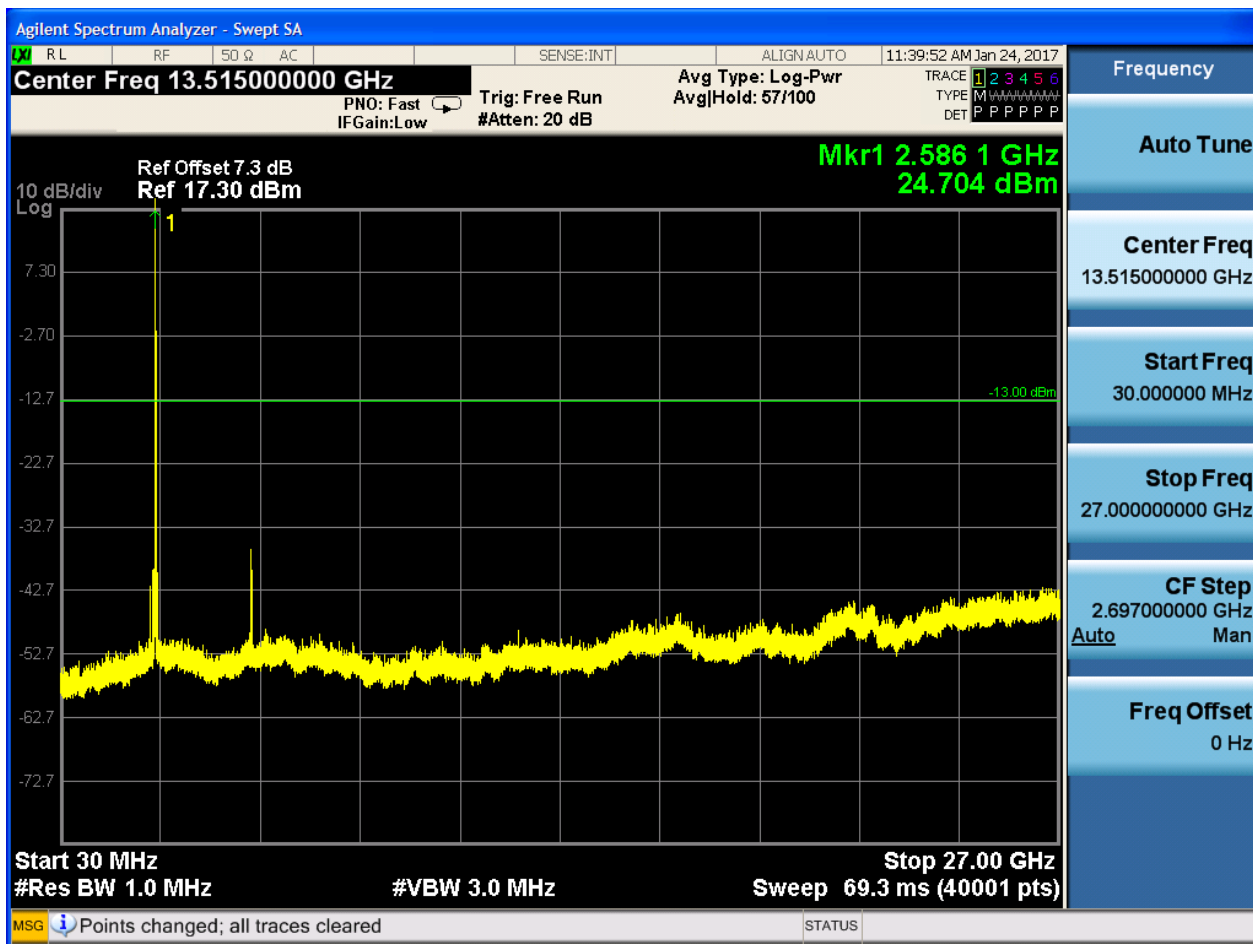


## 6.1.1.2.3.2 Test Channel = MCH

## 6.1.1.2.3.2.1 Test RB = RB1#0

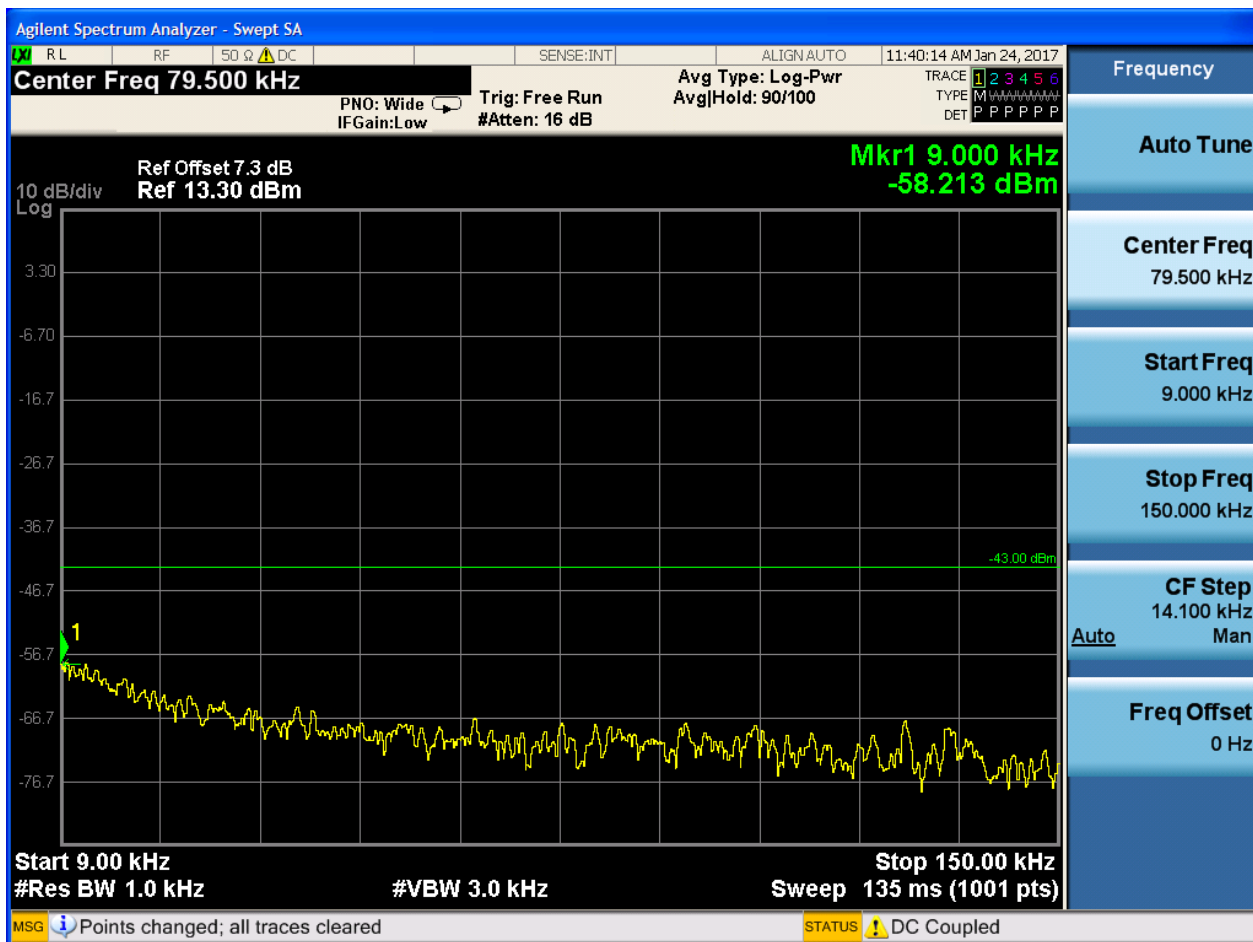




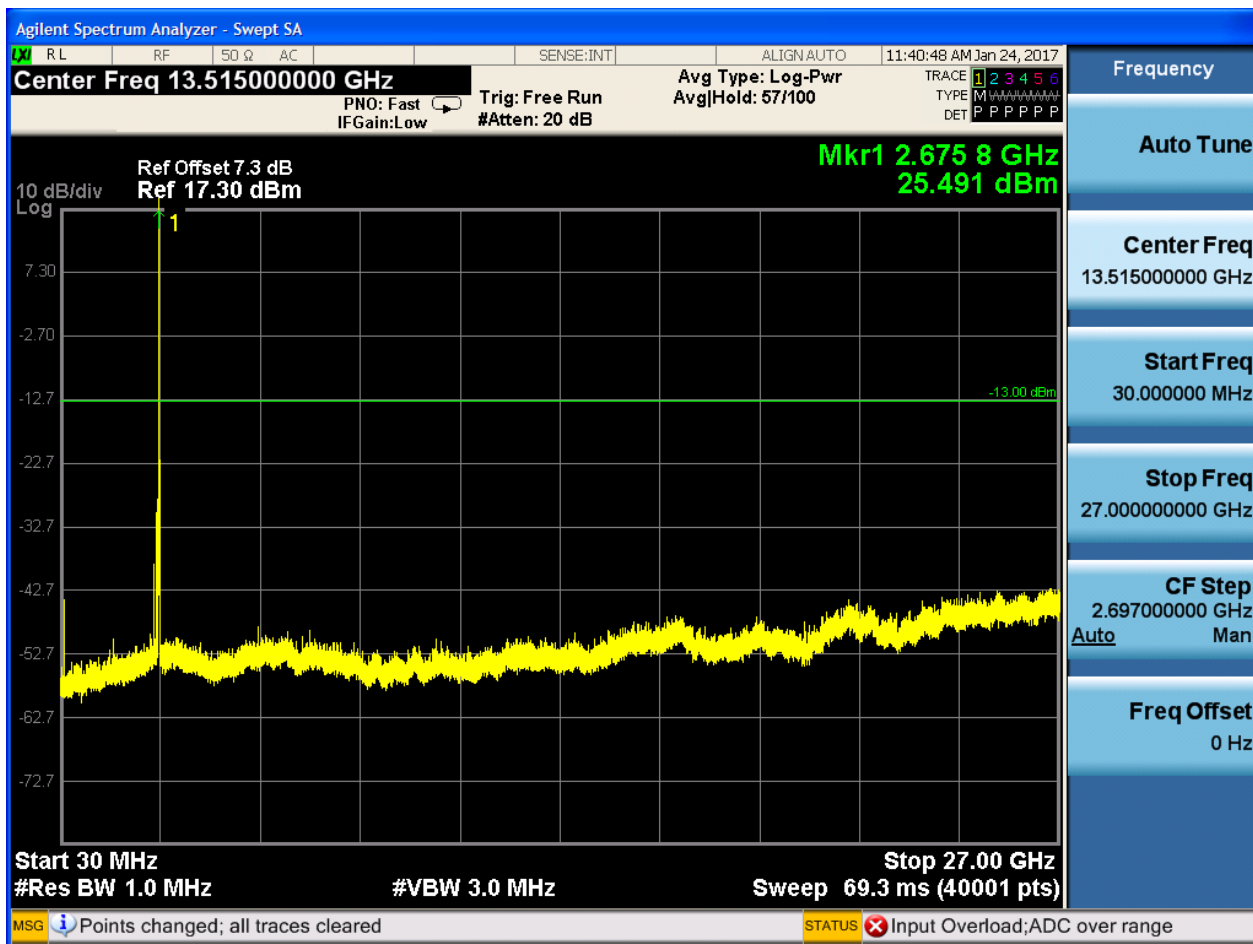


### 6.1.1.2.3.3 Test Channel = HCH

#### 6.1.1.2.3.3.1 Test RB = RB1#0





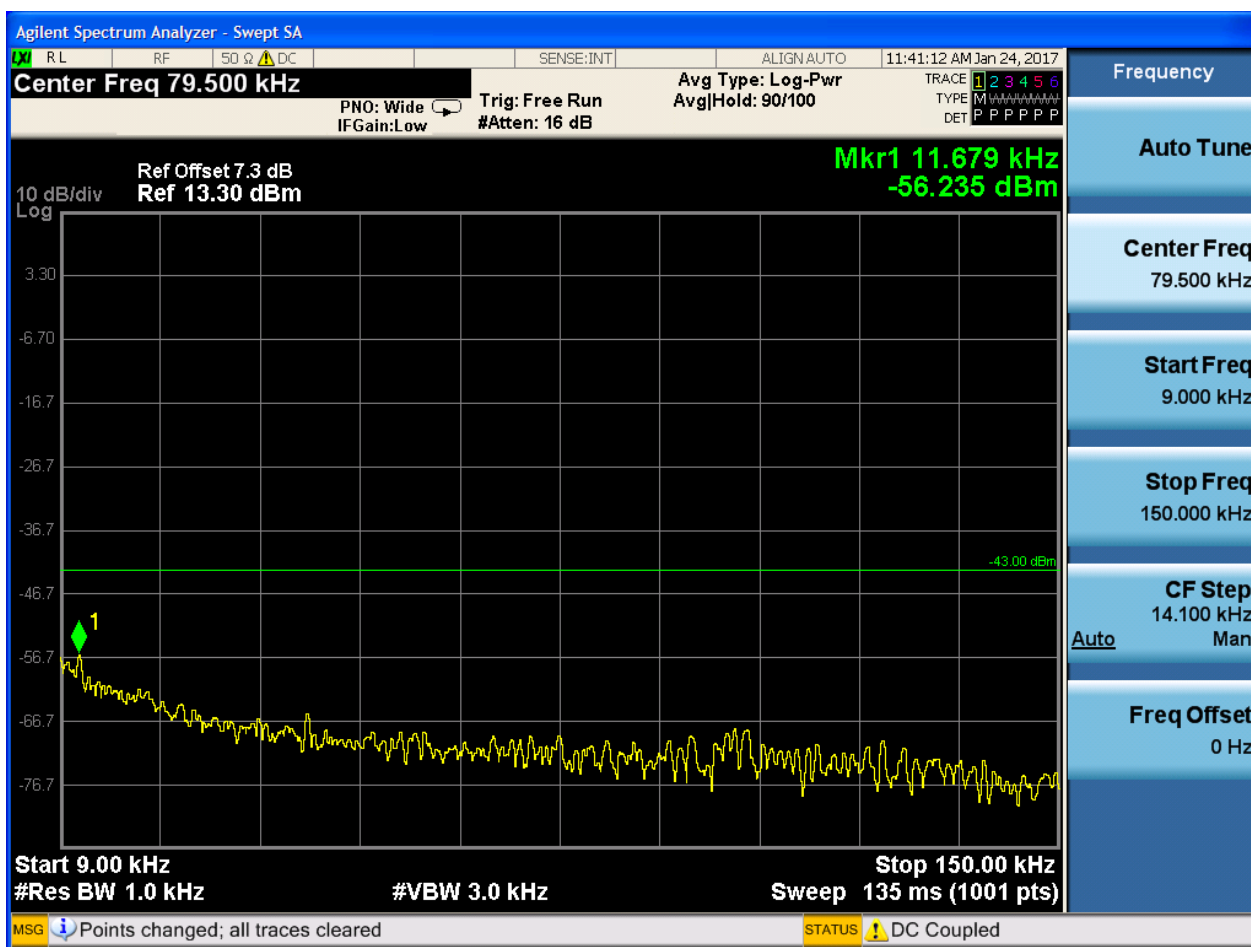


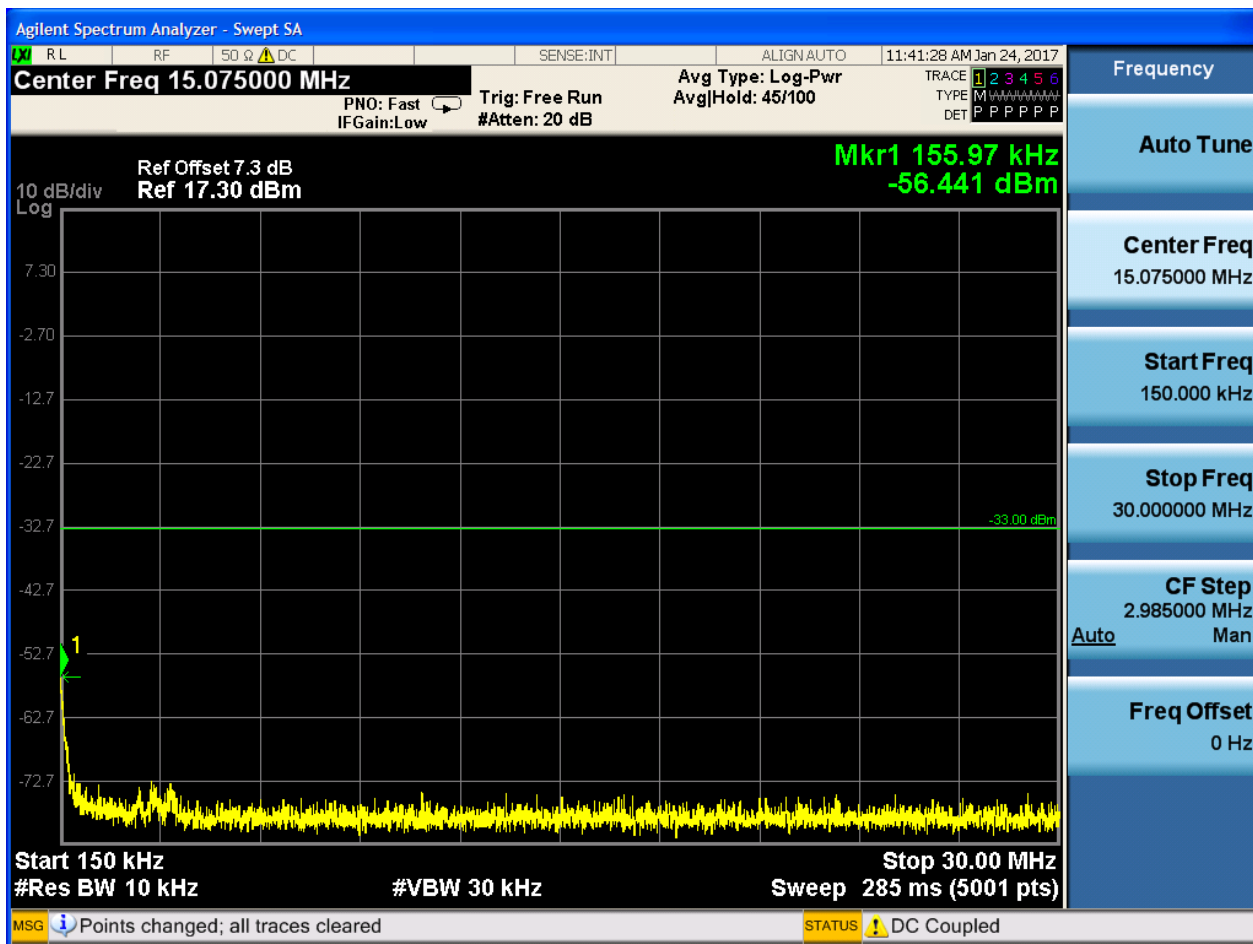


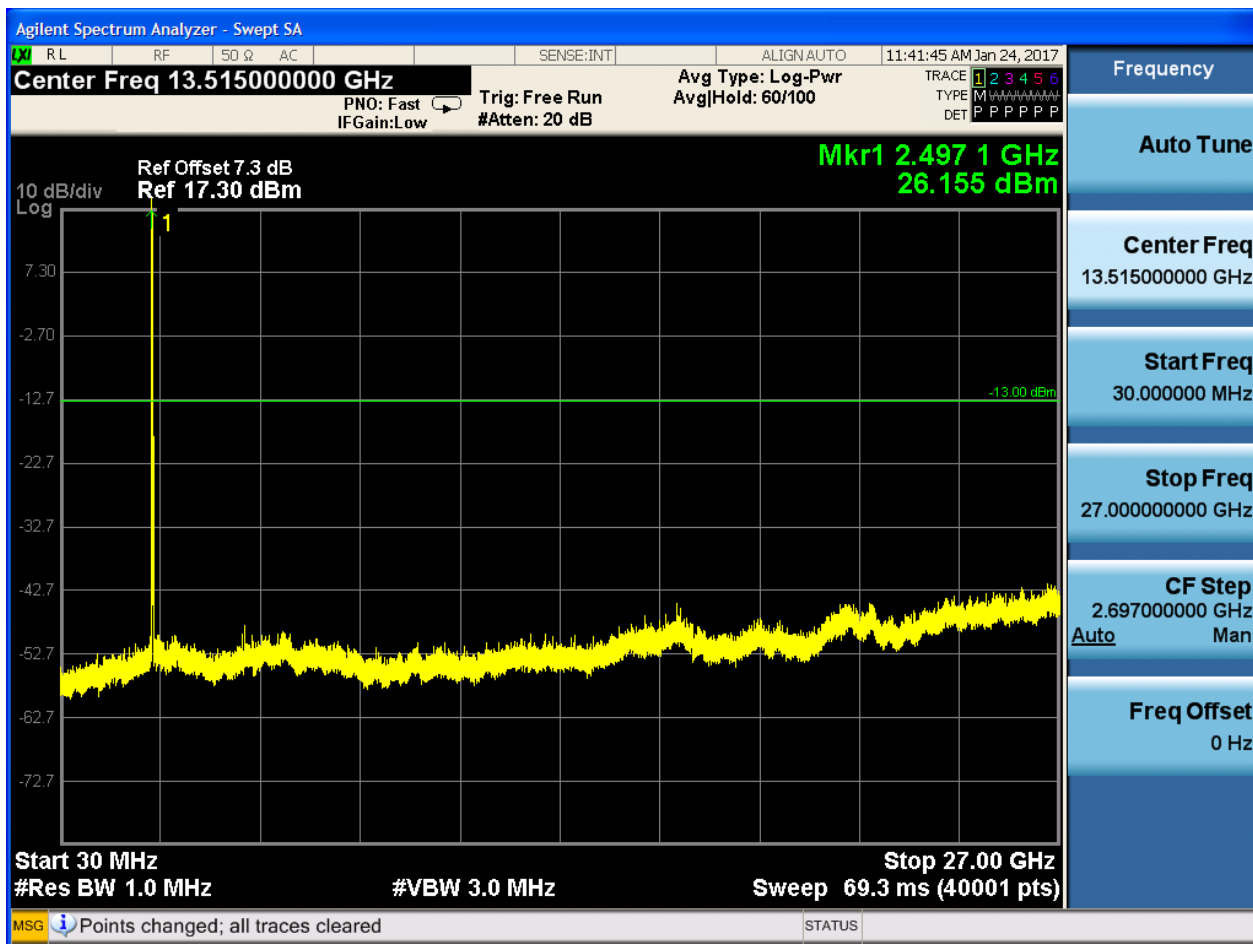
## 6.1.1.2.4 Test Bandwidth = 20

## 6.1.1.2.4.1 Test Channel = LCH

## 6.1.1.2.4.1.1 Test RB = RB1#0

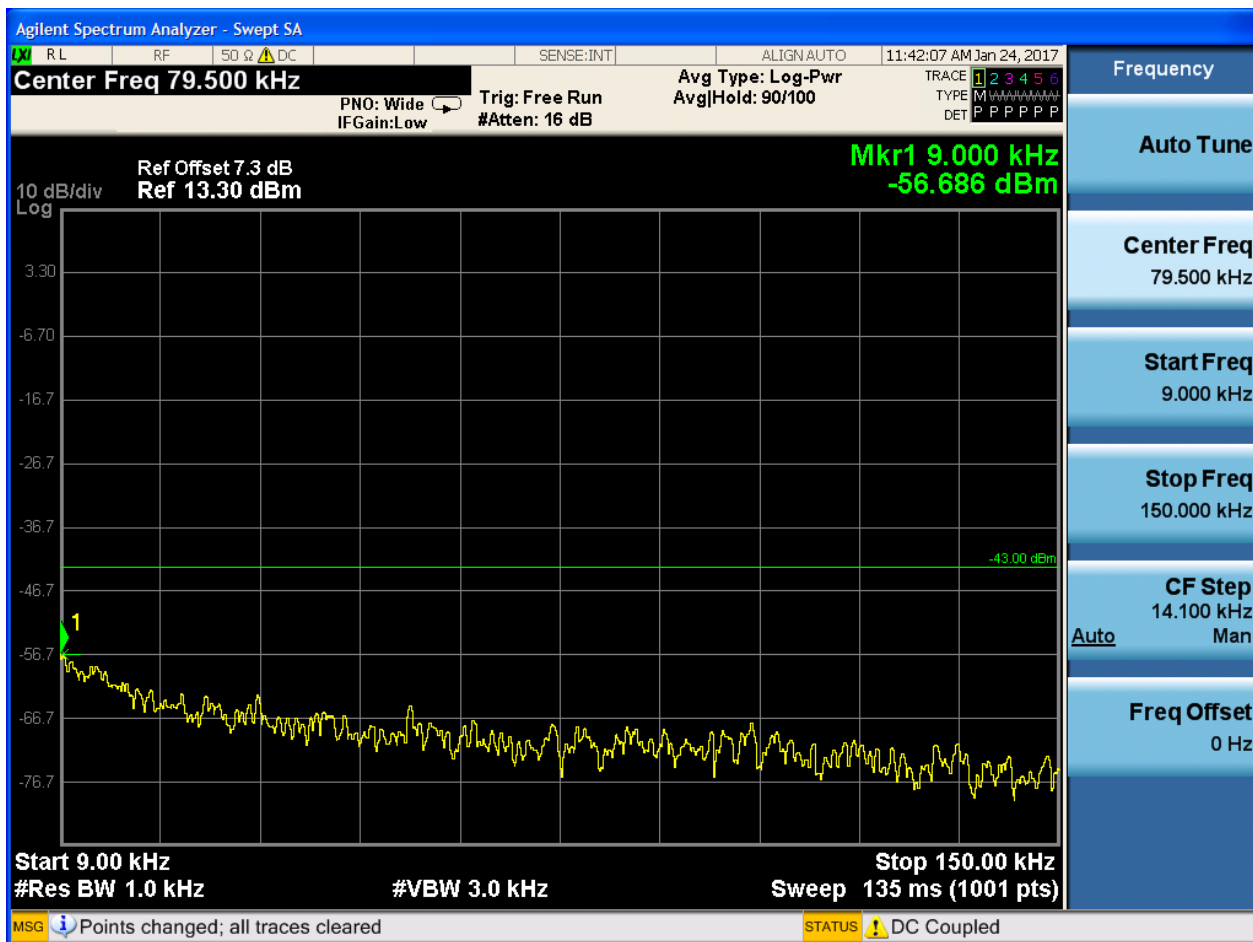


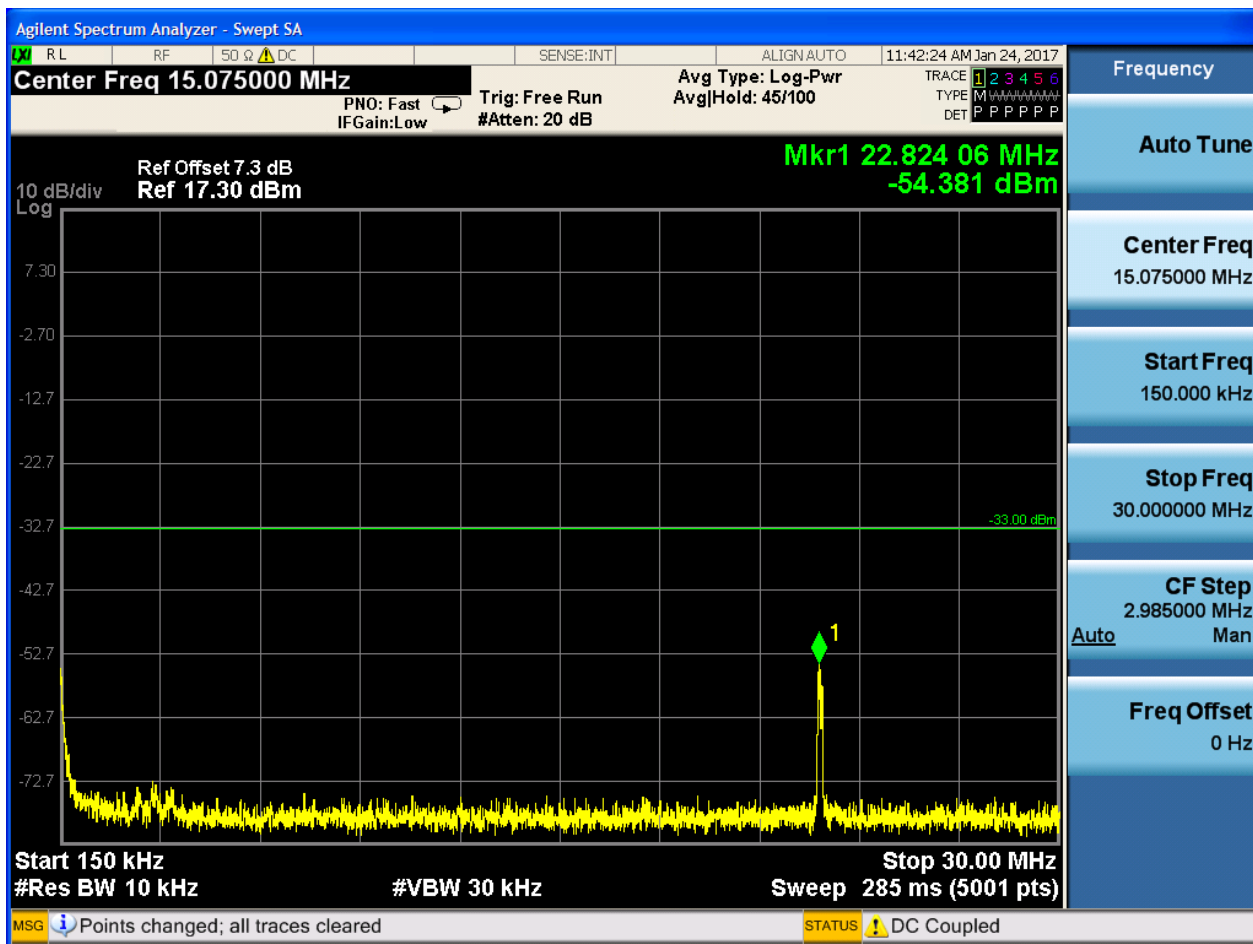




#### 6.1.1.2.4.2 Test Channel = MCH

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



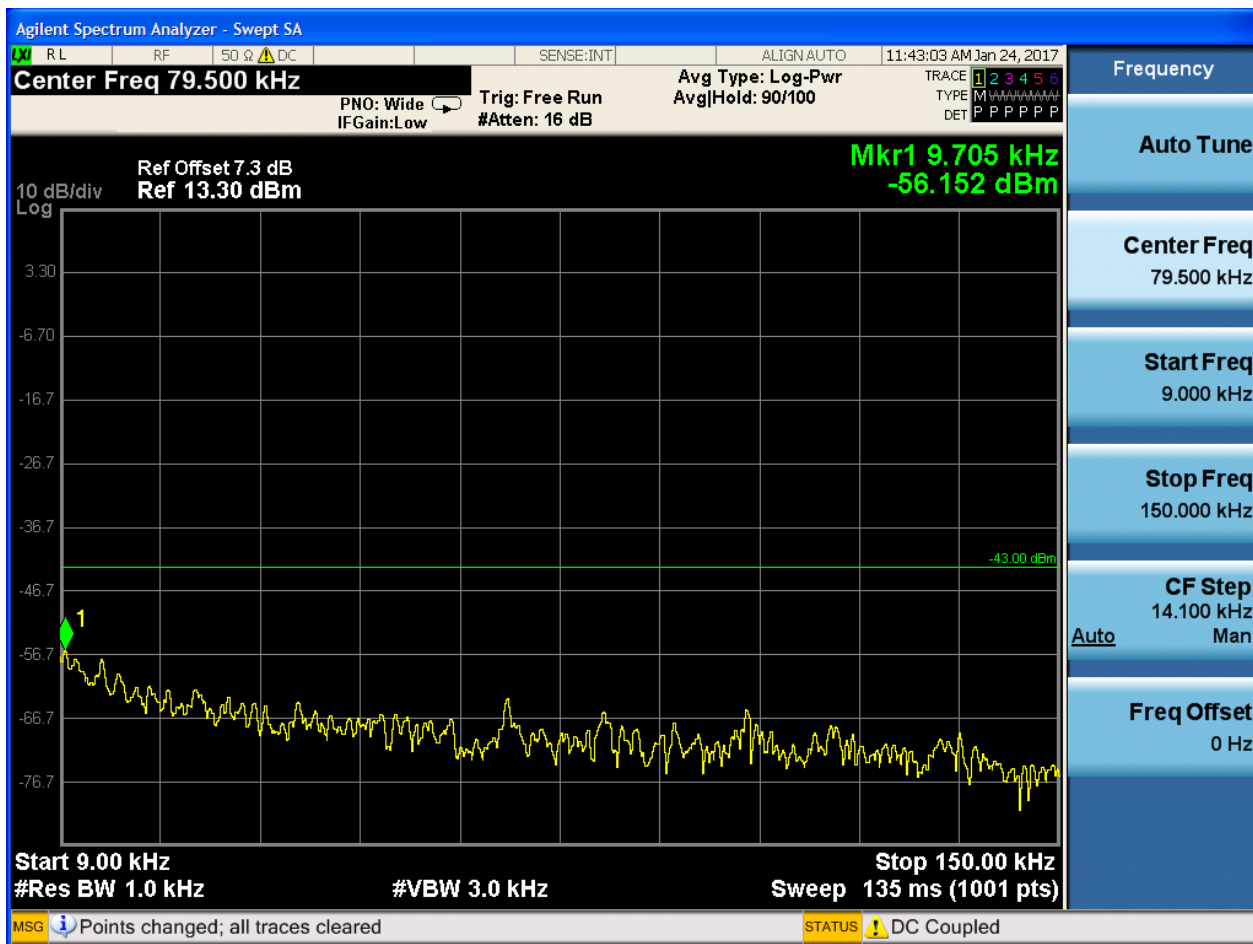


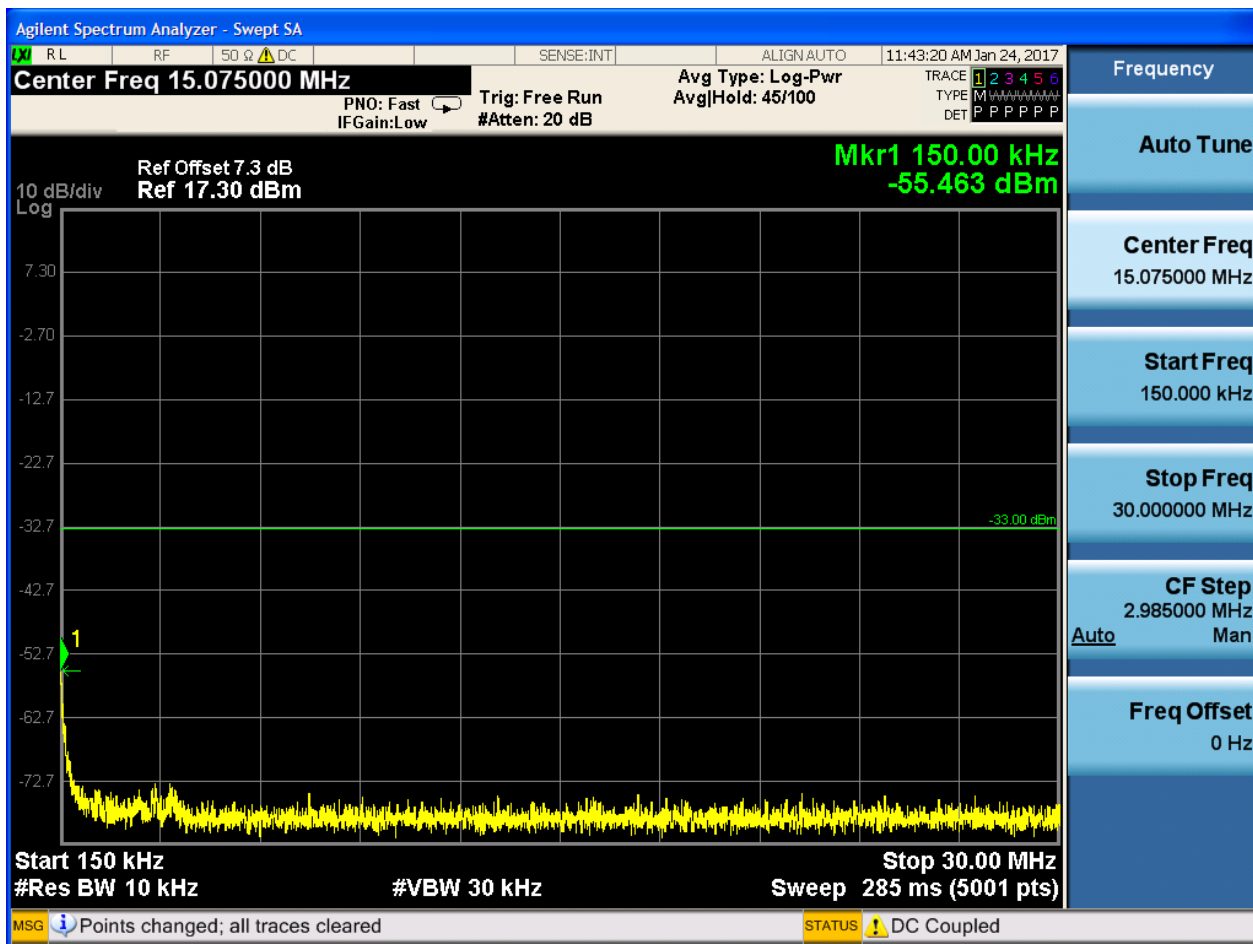


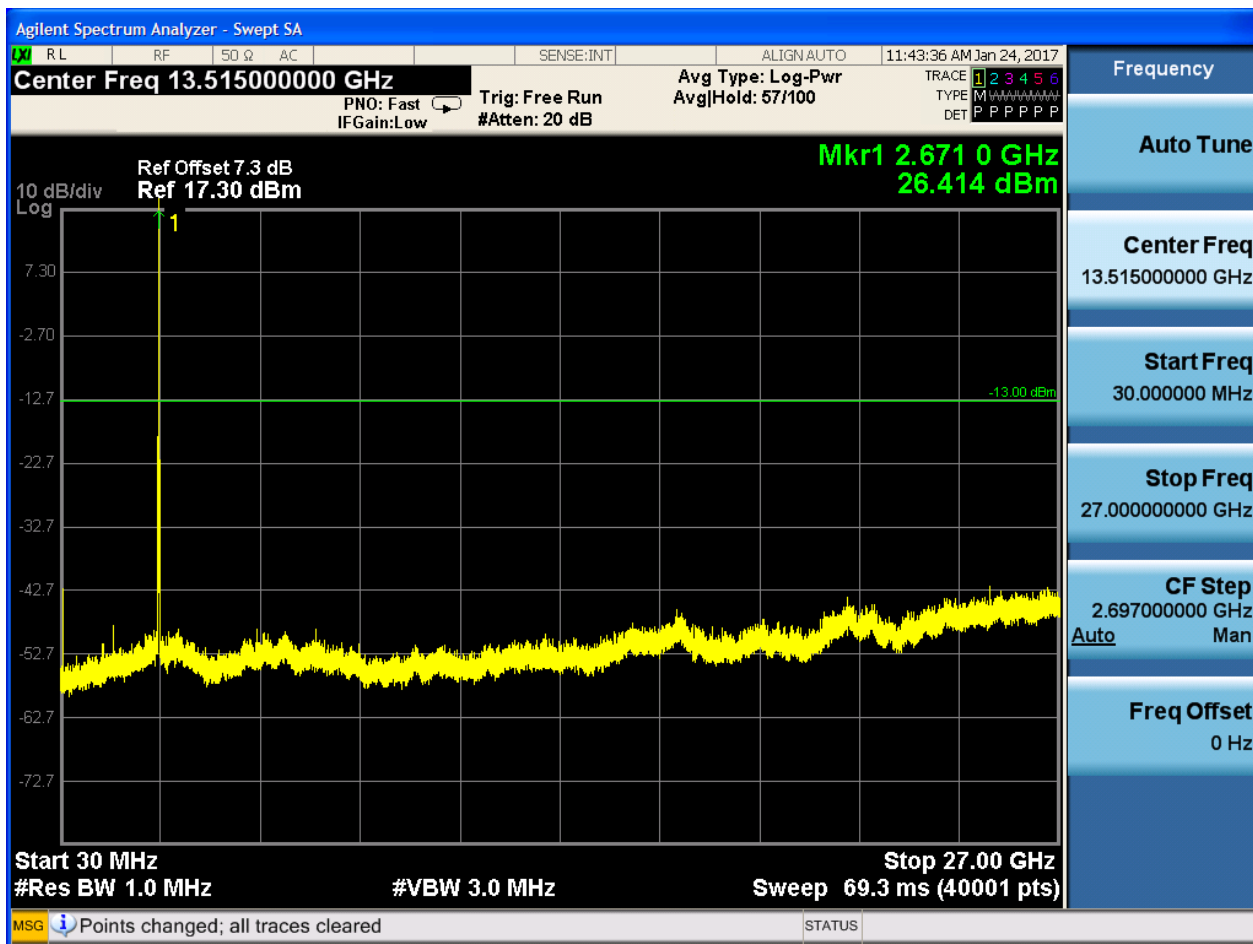


## 6.1.1.2.4.3 Test Channel = HCH

## 6.1.1.2.4.3.1 Test RB = RB1#0







## 7Appendix\_G: Frequency Stability

### 7.1 For LTE

#### 7.1.1Frequency 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         | -4.75            | -0.0019               | PASS    |
|           |           |                      |              |            | VN         | -4.06            | -0.00162              | PASS    |
|           |           |                      |              |            | VH         | -0.90            | -0.00036              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -5.59            | -0.00216              | PASS    |
|           |           |                      |              |            | VN         | -2.95            | -0.00114              | PASS    |
|           |           |                      |              |            | VH         | -3.08            | -0.00119              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.99            | -0.00111              | PASS    |
|           |           |                      |              |            | VN         | -10.79           | -0.00401              | PASS    |
|           |           |                      |              |            | VH         | -9.21            | -0.00343              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -9.88            | -0.00395              | PASS    |
|           |           |                      |              |            | VN         | -17.48           | -0.00699              | PASS    |
|           |           |                      |              |            | VH         | -9.98            | -0.00399              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -6.69            | -0.00258              | PASS    |
|           |           |                      |              |            | VN         | -7.02            | -0.00271              | PASS    |
|           |           |                      |              |            | VH         | -8.23            | -0.00317              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -28.62           | -0.01066              | PASS    |
|           |           |                      |              |            | VN         | -11.76           | -0.00438              | PASS    |
|           |           |                      |              |            | VH         | -23.65           | -0.00881              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -0.89            | -0.00036              | PASS    |
|           |           |                      |              |            | VN         | -3.81            | -0.00152              | PASS    |
|           |           |                      |              |            | VH         | -6.65            | -0.00266              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 47.58            | 0.01835               | PASS    |
|           |           |                      |              |            | VN         | 50.17            | 0.01935               | PASS    |
|           |           |                      |              |            | VH         | 49.81            | 0.01921               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -6.72            | -0.00251              | PASS    |
|           |           |                      |              |            | VN         | -7.11            | -0.00265              | PASS    |
|           |           |                      |              |            | VH         | -27.07           | -0.01009              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           | 20                   | LCH          | TN         | VL         | -0.60            | -0.00024              | PASS    |
|           |           |                      |              |            | VN         | -5.32            | -0.00212              | PASS    |
|           |           |                      |              |            | VH         | -6.04            | -0.00241              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.03            | -0.00155              | PASS    |
|           |           |                      |              |            | VN         | -3.33            | -0.00128              | PASS    |
|           |           |                      |              |            | VH         | -4.39            | -0.00169              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -6.91            | -0.00258              | PASS    |
|           |           |                      |              |            | VN         | -8.14            | -0.00304              | PASS    |
|           |           |                      |              |            | VH         | -3.50            | -0.00131              | PASS    |
|           | LTE/TM2   | 5                    | LCH          | TN         | VL         | -6.24            | -0.0025               | PASS    |
|           |           |                      |              |            | VN         | -8.50            | -0.0034               | PASS    |
|           |           |                      |              |            | VH         | -6.77            | -0.00271              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 3.96             | 0.00153               | PASS    |
|           |           |                      |              |            | VN         | -2.27            | -0.00088              | PASS    |
|           |           |                      |              |            | VH         | -3.29            | -0.00127              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -12.82           | -0.00477              | PASS    |
|           |           |                      |              |            | VN         | -6.42            | -0.00239              | PASS    |
|           |           |                      |              |            | VH         | -7.18            | -0.00267              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -22.16           | -0.00886              | PASS    |
|           |           |                      |              |            | VN         | -21.24           | -0.00849              | PASS    |
|           |           |                      |              |            | VH         | -18.10           | -0.00724              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -13.39           | -0.00516              | PASS    |
|           |           |                      |              |            | VN         | -11.93           | -0.0046               | PASS    |
|           |           |                      |              |            | VH         | -6.49            | -0.0025               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -24.05           | -0.00896              | PASS    |
|           |           |                      |              |            | VN         | -20.90           | -0.00778              | PASS    |
|           |           |                      |              |            | VH         | -26.54           | -0.00988              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -4.79            | -0.00191              | PASS    |
|           |           |                      |              |            | VN         | -2.02            | -0.00081              | PASS    |
|           |           |                      |              |            | VH         | -2.17            | -0.00087              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 46.12            | 0.01779               | PASS    |
|           |           |                      |              |            | VN         | 50.10            | 0.01932               | PASS    |
|           |           |                      |              |            | VH         | 51.30            | 0.01978               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -5.02            | -0.00187              | PASS    |
|           |           |                      |              |            | VN         | -6.38            | -0.00238              | PASS    |
|           |           |                      |              |            | VH         | -7.65            | -0.00285              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -6.01            | -0.0024               | PASS    |
|           |           |                      |              |            | VN         | -4.63            | -0.00185              | PASS    |
|           |           |                      |              |            | VH         | -3.09            | -0.00123              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | MCH          | TN         | VL         | -3.98            | -0.00153              | PASS    |
|           |           |                      |              |            | VN         | -2.75            | -0.00106              | PASS    |
|           |           |                      |              |            | VH         | -3.08            | -0.00119              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -7.22            | -0.00269              | PASS    |
|           |           |                      |              |            | VN         | -6.75            | -0.00252              | PASS    |
|           |           |                      |              |            | VH         | -7.38            | -0.00275              | PASS    |

### 7.1.2 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       | -0.44            | -0.00018              | PASS    |
|           |           |                      |              |            | -20       | -6.18            | -0.00247              | PASS    |
|           |           |                      |              |            | -10       | -4.01            | -0.0016               | PASS    |
|           |           |                      |              |            | 0         | -4.29            | -0.00172              | PASS    |
|           |           |                      |              |            | 10        | -5.08            | -0.00203              | PASS    |
|           |           |                      |              |            | 20        | 1.07             | 0.00043               | PASS    |
|           |           |                      |              |            | 30        | 2.30             | 0.00092               | PASS    |
|           |           |                      |              |            | 40        | -5.08            | -0.00203              | PASS    |
|           |           |                      |              |            | 50        | -10.23           | -0.00409              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -11.10           | -0.00428              | PASS    |
|           |           |                      |              |            | -20       | -3.10            | -0.0012               | PASS    |
|           |           |                      |              |            | -10       | -5.39            | -0.00208              | PASS    |
|           |           |                      |              |            | 0         | 0.69             | 0.00027               | PASS    |
|           |           |                      |              |            | 10        | -0.06            | -0.00002              | PASS    |
|           |           |                      |              |            | 20        | -8.90            | -0.00343              | PASS    |
|           |           |                      |              |            | 30        | -7.52            | -0.0029               | PASS    |
|           |           |                      |              |            | 40        | -10.97           | -0.00423              | PASS    |
|           |           |                      |              |            | 50        | -0.37            | -0.00014              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -5.42            | -0.00202              | PASS    |
|           |           |                      |              |            | -20       | -3.00            | -0.00112              | PASS    |
|           |           |                      |              |            | -10       | -3.63            | -0.00135              | PASS    |
|           |           |                      |              |            | 0         | -11.36           | -0.00423              | PASS    |
|           |           |                      |              |            | 10        | -3.58            | -0.00133              | PASS    |
|           |           |                      |              |            | 20        | -10.44           | -0.00388              | PASS    |
|           |           |                      |              |            | 30        | -10.16           | -0.00378              | PASS    |
|           |           |                      |              |            | 40        | -11.77           | -0.00438              | PASS    |
|           |           |                      |              |            | 50        | -13.35           | -0.00497              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           | 10                   | LCH          | VN         | -30       | -17.19           | -0.00687              | PASS    |
|           |           |                      |              |            | -20       | -5.92            | -0.00237              | PASS    |
|           |           |                      |              |            | -10       | -17.05           | -0.00682              | PASS    |
|           |           |                      |              |            | 0         | -23.65           | -0.00946              | PASS    |
|           |           |                      |              |            | 10        | -15.42           | -0.00617              | PASS    |
|           |           |                      |              |            | 20        | -19.54           | -0.00781              | PASS    |
|           |           |                      |              |            | 30        | -23.29           | -0.00931              | PASS    |
|           |           |                      |              |            | 40        | -7.08            | -0.00283              | PASS    |
|           |           |                      |              |            | 50        | -12.67           | -0.00507              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -4.78            | -0.00184              | PASS    |
|           |           |                      |              |            | -20       | -22.52           | -0.00868              | PASS    |
|           |           |                      |              |            | -10       | -17.42           | -0.00672              | PASS    |
|           |           |                      |              |            | 0         | -12.90           | -0.00497              | PASS    |
|           |           |                      |              |            | 10        | -7.81            | -0.00301              | PASS    |
|           |           |                      |              |            | 20        | -13.26           | -0.00511              | PASS    |
|           |           |                      |              |            | 30        | -34.28           | -0.01322              | PASS    |
|           |           |                      |              |            | 40        | -6.19            | -0.00239              | PASS    |
|           |           |                      |              |            | 50        | -23.29           | -0.00898              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -22.37           | -0.00833              | PASS    |
|           |           |                      |              |            | -20       | -19.54           | -0.00728              | PASS    |
|           |           |                      |              |            | -10       | -18.60           | -0.00693              | PASS    |
|           |           |                      |              |            | 0         | -19.74           | -0.00735              | PASS    |
|           |           |                      |              |            | 10        | -6.07            | -0.00226              | PASS    |
|           |           |                      |              |            | 20        | -15.74           | -0.00586              | PASS    |
|           |           |                      |              |            | 30        | -9.86            | -0.00367              | PASS    |
|           |           |                      |              |            | 40        | -15.06           | -0.00561              | PASS    |
|           |           |                      |              |            | 50        | -10.63           | -0.00396              | PASS    |
|           |           | 15                   | LCH          | VN         | -30       | -4.69            | -0.00187              | PASS    |
|           |           |                      |              |            | -20       | -3.50            | -0.0014               | PASS    |
|           |           |                      |              |            | -10       | -4.18            | -0.00167              | PASS    |
|           |           |                      |              |            | 0         | 2.39             | 0.00095               | PASS    |
|           |           |                      |              |            | 10        | -0.50            | -0.0002               | PASS    |
|           |           |                      |              |            | 20        | -5.55            | -0.00222              | PASS    |
|           |           |                      |              |            | 30        | -4.69            | -0.00187              | PASS    |
|           |           |                      |              |            | 40        | 0.59             | 0.00024               | PASS    |
|           |           |                      |              |            | 50        | 0.57             | 0.00023               | PASS    |
|           |           |                      | MCH          | VN         | -30       | 44.32            | 0.01709               | PASS    |
|           |           |                      |              |            | -20       | 40.28            | 0.01553               | PASS    |
|           |           |                      |              |            | -10       | 49.30            | 0.01901               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0         | 43.04            | 0.0166                | PASS    |
|           |           |                      |              |            | 10        | 43.69            | 0.01685               | PASS    |
|           |           |                      |              |            | 20        | 40.84            | 0.01575               | PASS    |
|           |           |                      |              |            | 30        | 44.93            | 0.01733               | PASS    |
|           |           |                      |              |            | 40        | 42.73            | 0.01648               | PASS    |
|           |           |                      |              |            | 50        | 49.45            | 0.01907               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -6.74            | -0.00251              | PASS    |
|           |           |                      |              |            | -20       | -7.98            | -0.00297              | PASS    |
|           |           |                      |              |            | -10       | -5.85            | -0.00218              | PASS    |
|           |           |                      |              |            | 0         | -5.29            | -0.00197              | PASS    |
|           |           |                      |              |            | 10        | -6.90            | -0.00257              | PASS    |
|           |           |                      |              |            | 20        | -18.91           | -0.00705              | PASS    |
|           |           |                      |              |            | 30        | -6.87            | -0.00256              | PASS    |
|           |           |                      |              |            | 40        | -7.64            | -0.00285              | PASS    |
|           |           |                      |              |            | 50        | -8.07            | -0.00301              | PASS    |
|           |           | 20                   | LCH          | VN         | -30       | -1.19            | -0.00047              | PASS    |
|           |           |                      |              |            | -20       | -5.97            | -0.00238              | PASS    |
|           |           |                      |              |            | -10       | -3.78            | -0.00151              | PASS    |
|           |           |                      |              |            | 0         | -4.63            | -0.00185              | PASS    |
|           |           |                      |              |            | 10        | -2.70            | -0.00108              | PASS    |
|           |           |                      |              |            | 20        | -5.15            | -0.00206              | PASS    |
|           |           |                      |              |            | 30        | -3.49            | -0.00139              | PASS    |
|           |           |                      |              |            | 40        | -3.68            | -0.00147              | PASS    |
|           |           |                      |              |            | 50        | -4.33            | -0.00173              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -2.69            | -0.00104              | PASS    |
|           |           |                      |              |            | -20       | -2.99            | -0.00115              | PASS    |
|           |           |                      |              |            | -10       | -3.62            | -0.0014               | PASS    |
|           |           |                      |              |            | 0         | -3.33            | -0.00128              | PASS    |
|           |           |                      |              |            | 10        | -3.38            | -0.0013               | PASS    |
|           |           |                      |              |            | 20        | -3.91            | -0.00151              | PASS    |
|           |           |                      |              |            | 30        | -3.65            | -0.00141              | PASS    |
|           |           |                      |              |            | 40        | -4.45            | -0.00172              | PASS    |
|           |           |                      |              |            | 50        | -4.71            | -0.00182              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -2.43            | -0.00091              | PASS    |
|           |           |                      |              |            | -20       | -8.67            | -0.00324              | PASS    |
|           |           |                      |              |            | -10       | -6.14            | -0.00229              | PASS    |
|           |           |                      |              |            | 0         | -9.97            | -0.00372              | PASS    |
|           |           |                      |              |            | 10        | -5.99            | -0.00224              | PASS    |
|           |           |                      |              |            | 20        | -8.93            | -0.00333              | 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                    |              |            | 30        | -8.25            | -0.00308              | PASS    |
|           |           |                      |              |            | 40        | -5.56            | -0.00207              | PASS    |
|           |           |                      |              |            | 50        | -3.96            | -0.00148              | PASS    |
|           |           |                      | LCH          | VN         | -30       | -1.44            | -0.00058              | PASS    |
|           |           |                      |              |            | -20       | -5.55            | -0.00222              | PASS    |
|           |           |                      |              |            | -10       | -8.44            | -0.00338              | PASS    |
|           |           |                      |              |            | 0         | 0.89             | 0.00036               | PASS    |
|           |           |                      |              |            | 10        | -2.73            | -0.00109              | PASS    |
|           |           |                      |              |            | 20        | -5.09            | -0.00204              | PASS    |
|           |           |                      |              |            | 30        | -4.72            | -0.00189              | PASS    |
|           |           |                      |              |            | 40        | -0.90            | -0.00036              | PASS    |
|           |           |                      |              |            | 50        | -3.28            | -0.00131              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -2.23            | -0.00086              | PASS    |
|           |           |                      |              |            | -20       | 0.43             | 0.00017               | PASS    |
|           |           |                      |              |            | -10       | -3.91            | -0.00151              | PASS    |
|           |           |                      |              |            | 0         | -4.19            | -0.00162              | PASS    |
|           |           |                      |              |            | 10        | -6.29            | -0.00243              | PASS    |
|           |           |                      |              |            | 20        | -5.45            | -0.0021               | PASS    |
|           |           |                      |              |            | 30        | -1.53            | -0.00059              | PASS    |
|           |           |                      |              |            | 40        | -4.46            | -0.00172              | PASS    |
|           |           |                      |              |            | 50        | -6.48            | -0.0025               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -44.99           | -0.01674              | PASS    |
|           |           |                      |              |            | -20       | -4.51            | -0.00168              | PASS    |
|           |           |                      |              |            | -10       | -2.22            | -0.00083              | PASS    |
|           |           |                      |              |            | 0         | -6.27            | -0.00233              | PASS    |
|           |           |                      |              |            | 10        | 2.03             | 0.00076               | PASS    |
|           |           |                      |              |            | 20        | -11.77           | -0.00438              | PASS    |
|           |           |                      |              |            | 30        | -11.20           | -0.00417              | PASS    |
|           |           |                      |              |            | 40        | -5.39            | -0.00201              | PASS    |
|           |           |                      |              |            | 50        | -10.11           | -0.00376              | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -21.53           | -0.00861              | PASS    |
|           |           |                      |              |            | -20       | -11.93           | -0.00477              | PASS    |
|           |           |                      |              |            | -10       | -37.41           | -0.01496              | PASS    |
|           |           |                      |              |            | 0         | -14.52           | -0.00581              | PASS    |
|           |           |                      |              |            | 10        | -3.06            | -0.00122              | PASS    |
|           |           |                      |              |            | 20        | -5.28            | -0.00211              | PASS    |
|           |           |                      |              |            | 30        | -21.27           | -0.0085               | PASS    |
|           |           |                      |              |            | 40        | -19.08           | -0.00763              | PASS    |
|           |           |                      |              |            | 50        | -18.30           | -0.00732              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      | MCH          | VN         | -30       | -5.09            | -0.00196              | PASS    |
|           |           |                      |              |            | -20       | -6.81            | -0.00263              | PASS    |
|           |           |                      |              |            | -10       | -9.37            | -0.00361              | PASS    |
|           |           |                      |              |            | 0         | -5.79            | -0.00223              | PASS    |
|           |           |                      |              |            | 10        | -8.64            | -0.00333              | PASS    |
|           |           |                      |              |            | 20        | -4.84            | -0.00187              | PASS    |
|           |           |                      |              |            | 30        | -7.57            | -0.00292              | PASS    |
|           |           |                      |              |            | 40        | -4.13            | -0.00159              | PASS    |
|           |           |                      |              |            | 50        | -3.43            | -0.00132              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -16.14           | -0.00601              | PASS    |
|           |           |                      |              |            | -20       | -13.72           | -0.00511              | PASS    |
|           |           |                      |              |            | -10       | -14.48           | -0.00539              | PASS    |
|           |           |                      |              |            | 0         | -25.42           | -0.00947              | PASS    |
|           |           |                      |              |            | 10        | -15.15           | -0.00564              | PASS    |
|           |           |                      |              |            | 20        | -12.69           | -0.00473              | PASS    |
|           |           |                      |              |            | 30        | -11.86           | -0.00442              | PASS    |
|           |           |                      |              |            | 40        | -9.17            | -0.00342              | PASS    |
|           |           |                      |              |            | 50        | -10.24           | -0.00381              | PASS    |
|           |           | 15                   | LCH          | VN         | -30       | -2.98            | -0.00119              | PASS    |
|           |           |                      |              |            | -20       | 1.52             | 0.00061               | PASS    |
|           |           |                      |              |            | -10       | -0.54            | -0.00022              | PASS    |
|           |           |                      |              |            | 0         | -4.75            | -0.0019               | PASS    |
|           |           |                      |              |            | 10        | -2.82            | -0.00113              | PASS    |
|           |           |                      |              |            | 20        | -4.81            | -0.00192              | PASS    |
|           |           |                      |              |            | 30        | -8.20            | -0.00328              | PASS    |
|           |           |                      |              |            | 40        | -2.30            | -0.00092              | PASS    |
|           |           |                      |              |            | 50        | -4.52            | -0.00181              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 45.20            | 0.01743               | PASS    |
|           |           |                      |              |            | -20       | 45.49            | 0.01754               | PASS    |
|           |           |                      |              |            | -10       | 45.60            | 0.01759               | PASS    |
|           |           |                      |              |            | 0         | 42.87            | 0.01653               | PASS    |
|           |           |                      |              |            | 10        | 39.94            | 0.0154                | PASS    |
|           |           |                      |              |            | 20        | 36.49            | 0.01407               | PASS    |
|           |           |                      |              |            | 30        | 37.59            | 0.0145                | PASS    |
|           |           |                      |              |            | 40        | 32.06            | 0.01236               | PASS    |
|           |           |                      |              |            | 50        | 40.57            | 0.01565               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -5.44            | -0.00203              | PASS    |
|           |           |                      |              |            | -20       | -4.82            | -0.0018               | PASS    |
|           |           |                      |              |            | -10       | -5.54            | -0.00207              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0         | -7.78            | -0.0029               | PASS    |
|           |           |                      |              |            | 10        | -7.07            | -0.00264              | PASS    |
|           |           |                      |              |            | 20        | -4.09            | -0.00152              | PASS    |
|           |           |                      |              |            | 30        | -3.81            | -0.00142              | PASS    |
|           |           |                      |              |            | 40        | -4.05            | -0.00151              | PASS    |
|           |           |                      |              |            | 50        | -28.54           | -0.01064              | PASS    |
|           |           | 20                   | LCH          | VN         | -30       | -4.95            | -0.00198              | PASS    |
|           |           |                      |              |            | -20       | -4.02            | -0.0016               | PASS    |
|           |           |                      |              |            | -10       | -3.78            | -0.00151              | PASS    |
|           |           |                      |              |            | 0         | -2.25            | -0.0009               | PASS    |
|           |           |                      |              |            | 10        | -3.36            | -0.00134              | PASS    |
|           |           |                      |              |            | 20        | -3.65            | -0.00146              | PASS    |
|           |           |                      |              |            | 30        | 1.23             | 0.00049               | PASS    |
|           |           |                      |              |            | 40        | -1.44            | -0.00057              | PASS    |
|           |           |                      |              |            | 50        | -3.60            | -0.00144              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.66            | -0.00025              | PASS    |
|           |           |                      |              |            | -20       | -3.43            | -0.00132              | PASS    |
|           |           |                      |              |            | -10       | -2.83            | -0.00109              | PASS    |
|           |           |                      |              |            | 0         | -2.79            | -0.00108              | PASS    |
|           |           |                      |              |            | 10        | -2.72            | -0.00105              | PASS    |
|           |           |                      |              |            | 20        | -4.66            | -0.0018               | PASS    |
|           |           |                      |              |            | 30        | -4.46            | -0.00172              | PASS    |
|           |           |                      |              |            | 40        | -3.71            | -0.00143              | PASS    |
|           |           |                      |              |            | 50        | -2.62            | -0.00101              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -3.79            | -0.00141              | PASS    |
|           |           |                      |              |            | -20       | -4.46            | -0.00166              | PASS    |
|           |           |                      |              |            | -10       | -6.77            | -0.00253              | PASS    |
|           |           |                      |              |            | 0         | -5.52            | -0.00206              | PASS    |
|           |           |                      |              |            | 10        | -4.98            | -0.00186              | PASS    |
|           |           |                      |              |            | 20        | -8.40            | -0.00313              | PASS    |
|           |           |                      |              |            | 30        | -7.15            | -0.00267              | PASS    |
|           |           |                      |              |            | 40        | -5.69            | -0.00212              | PASS    |
|           |           |                      |              |            | 50        | -5.88            | -0.00219              | PASS    |

END