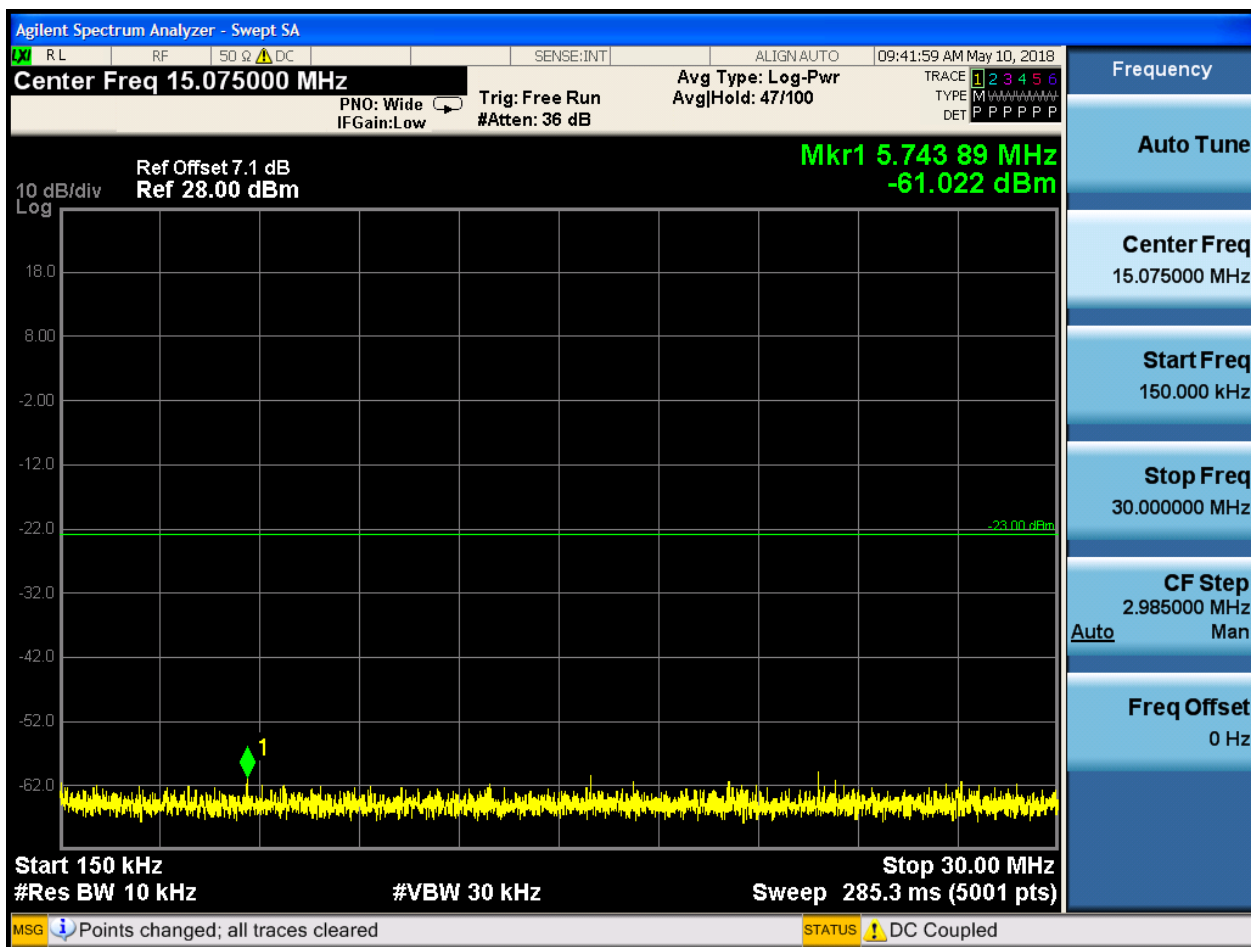
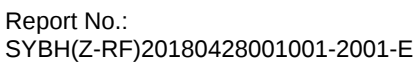
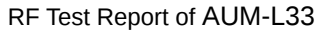
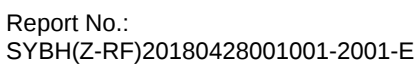
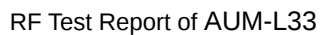


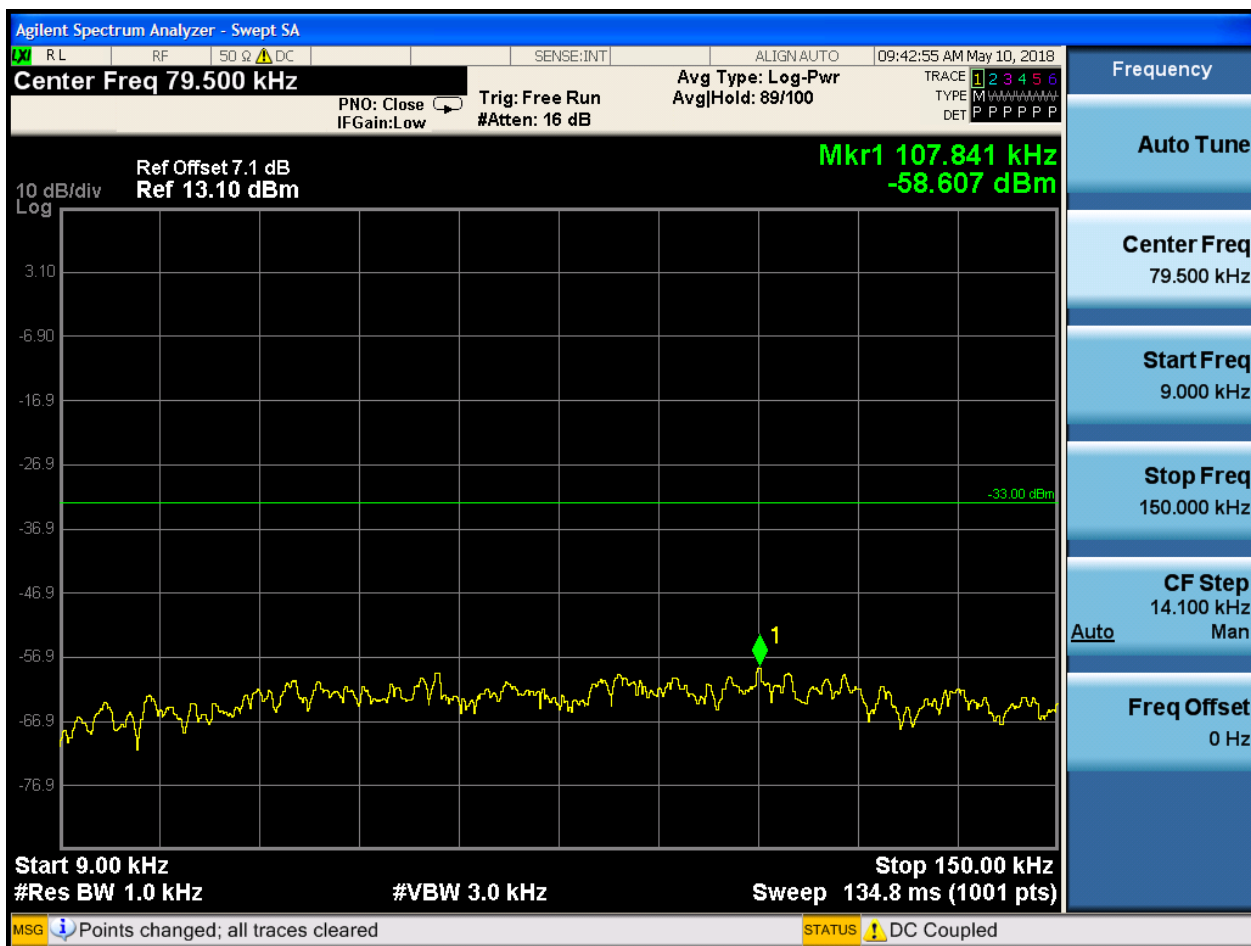


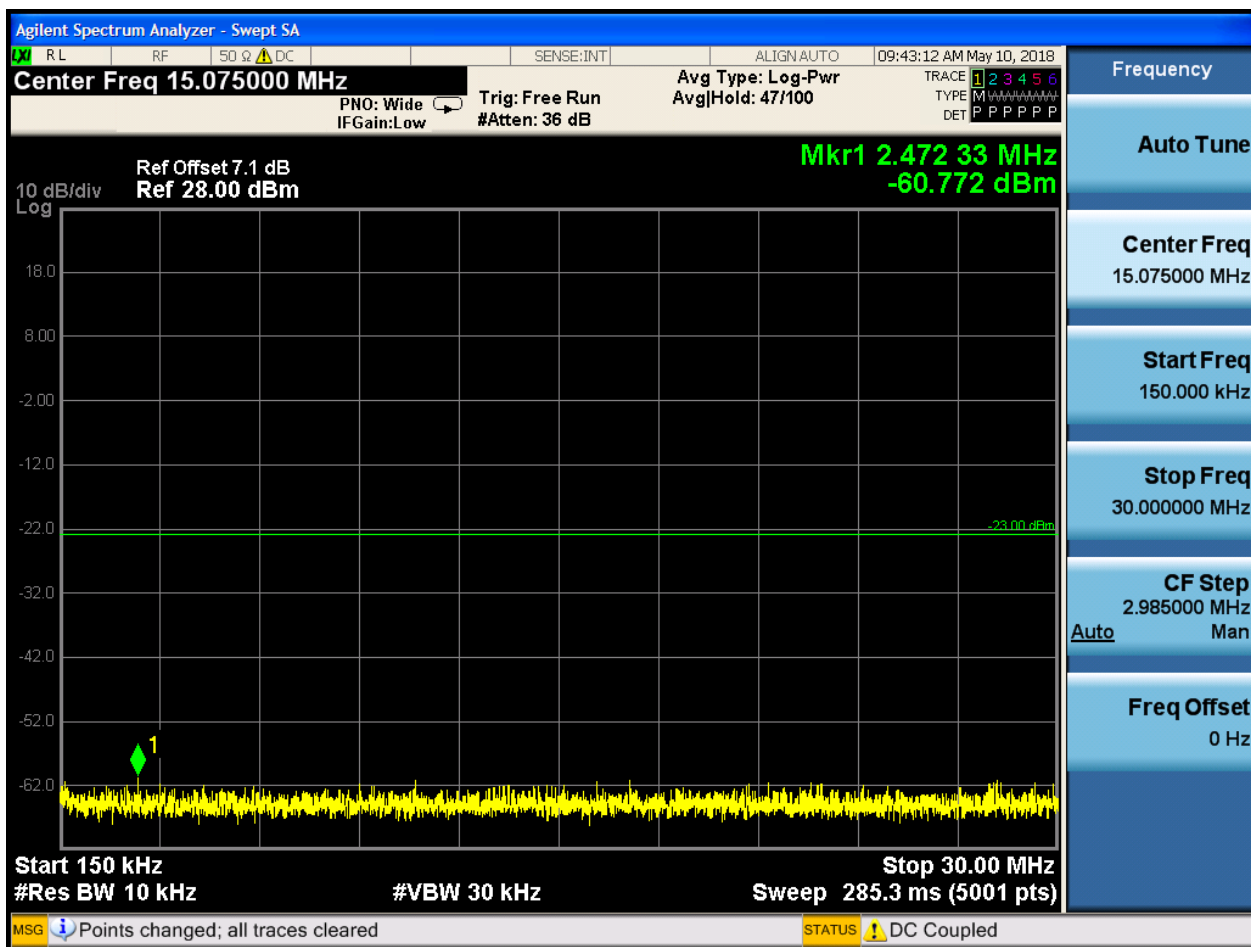


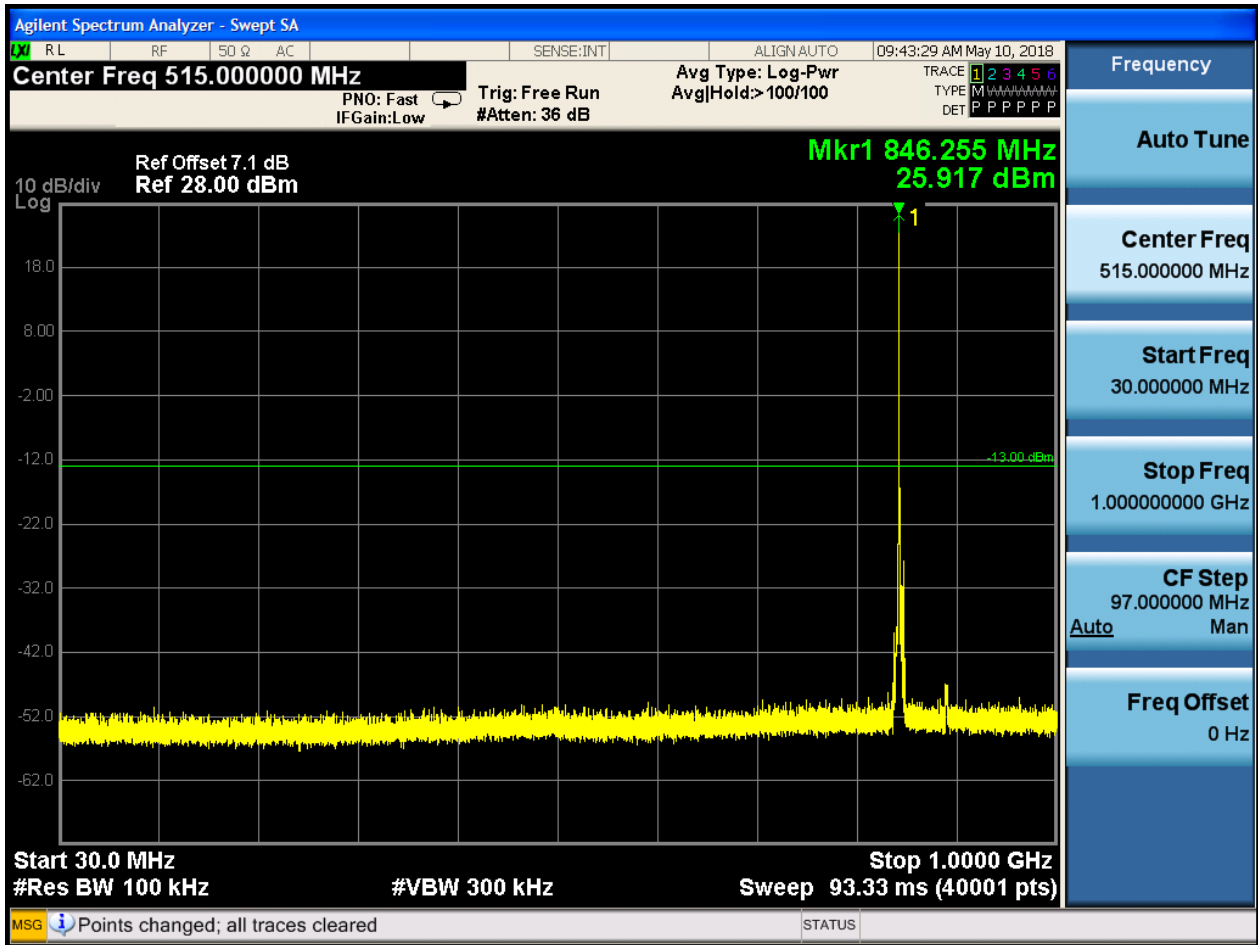


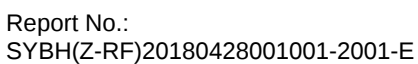
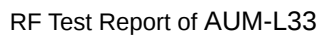
### 6.1.1.1.2.3 Test Channel = HCH

#### 6.1.1.1.2.3.1 Test RB = RB1#0





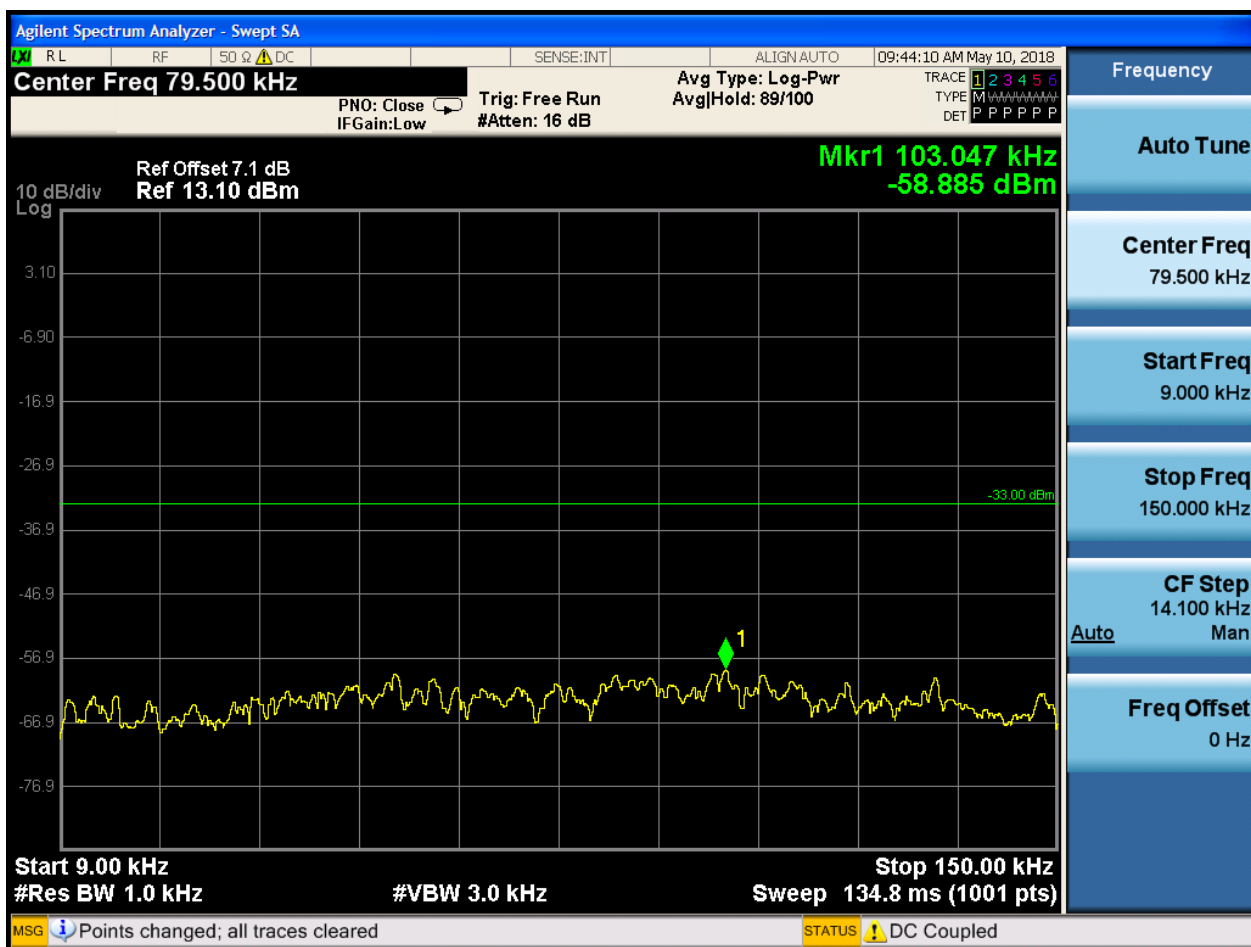


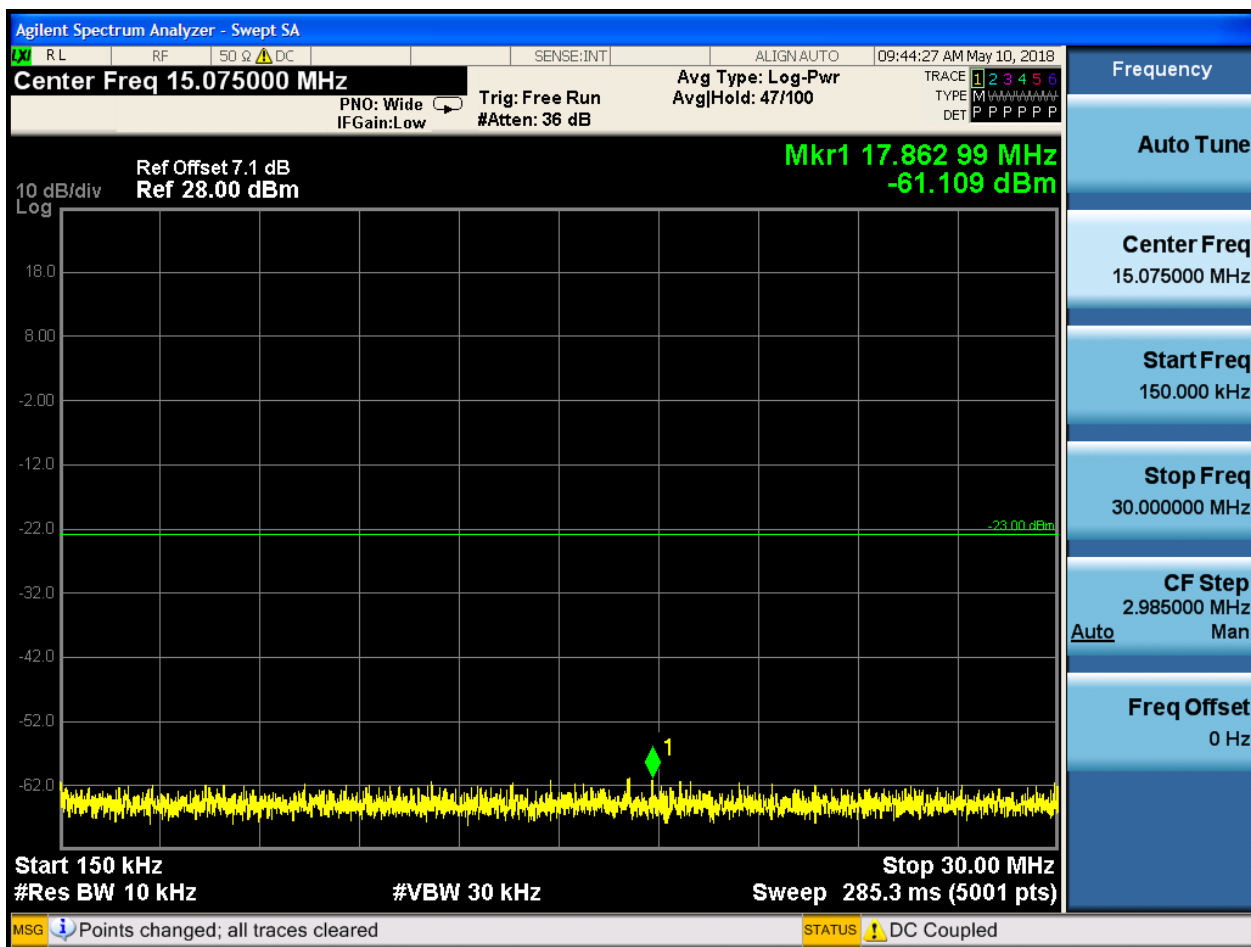


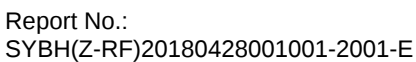
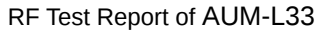
### 6.1.1.1.3 Test Bandwidth = 5

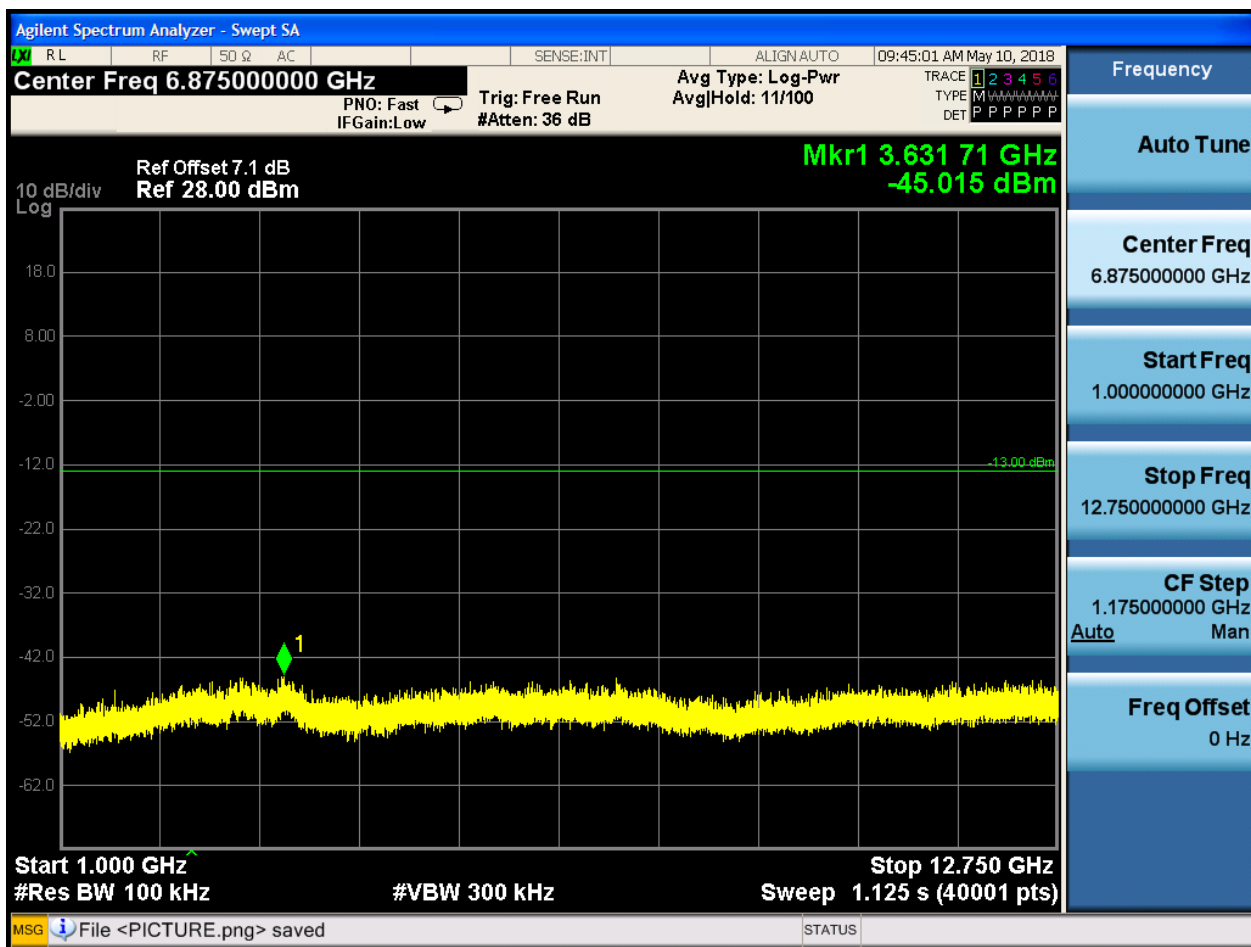
#### 6.1.1.1.3.1 Test Channel = LCH

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



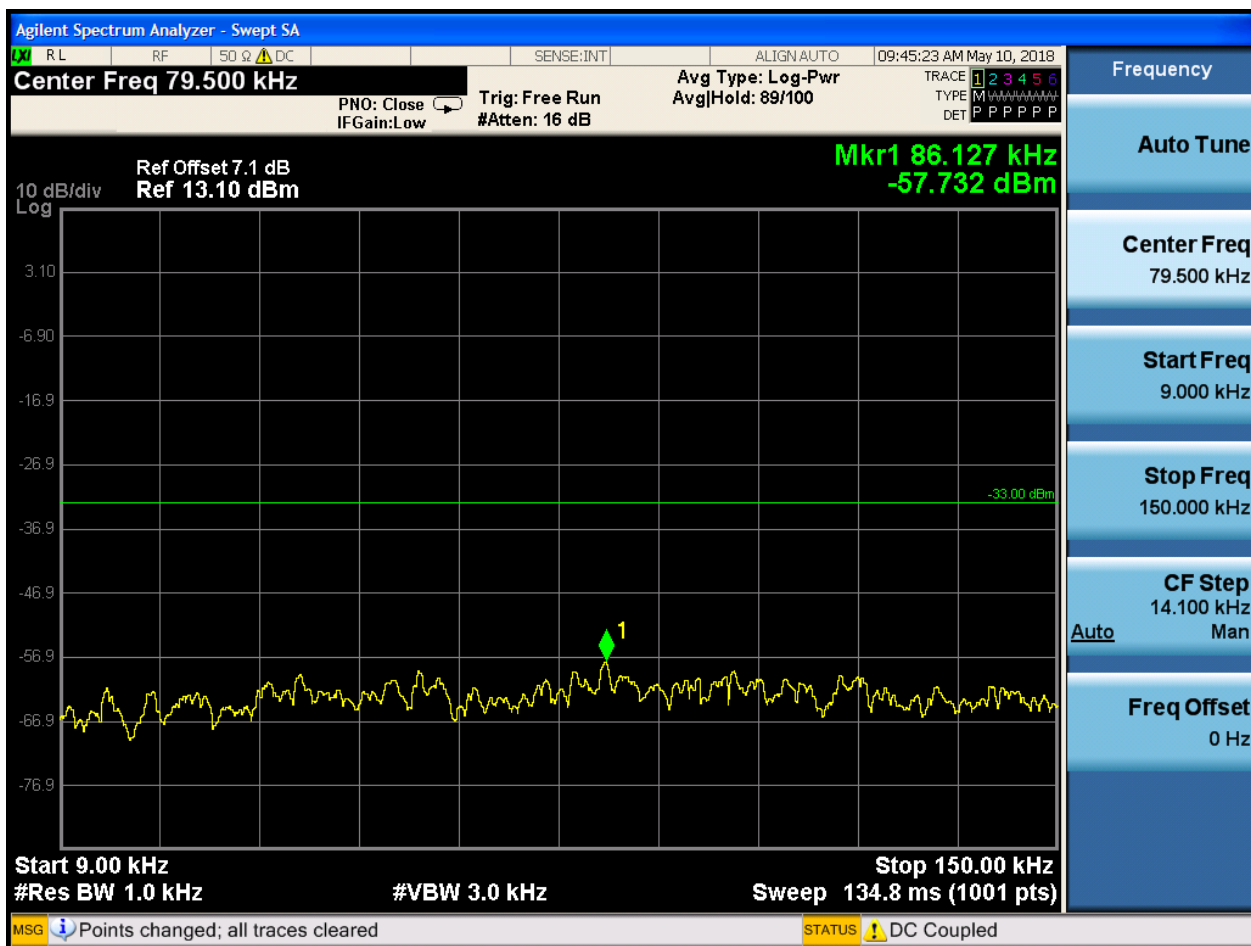


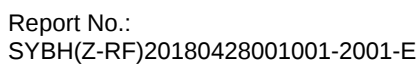
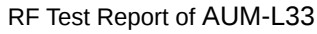


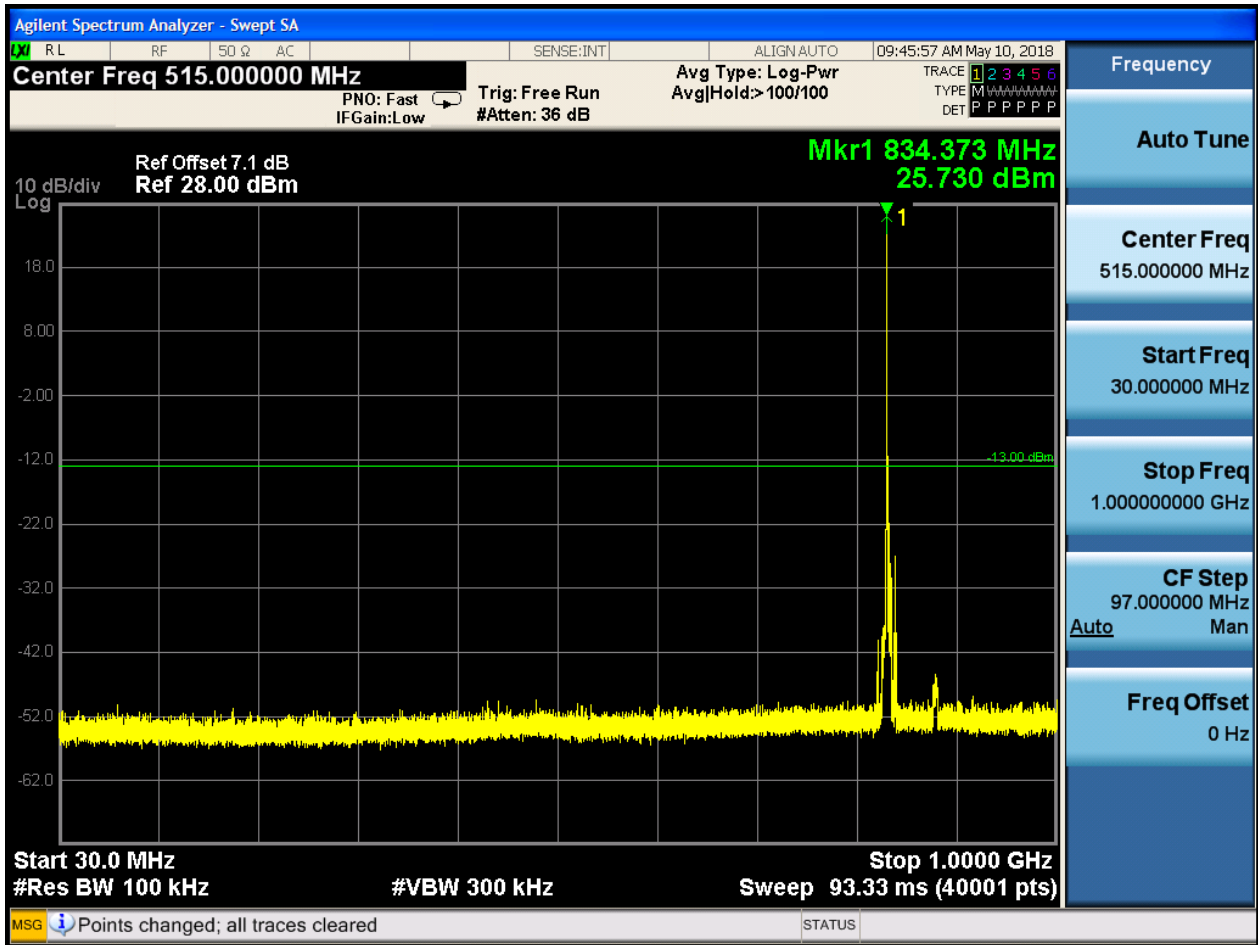


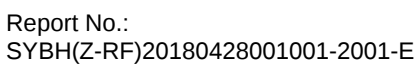
### 6.1.1.1.3.2 Test Channel = MCH

#### 6.1.1.1.3.2.1 Test RB = RB1#0



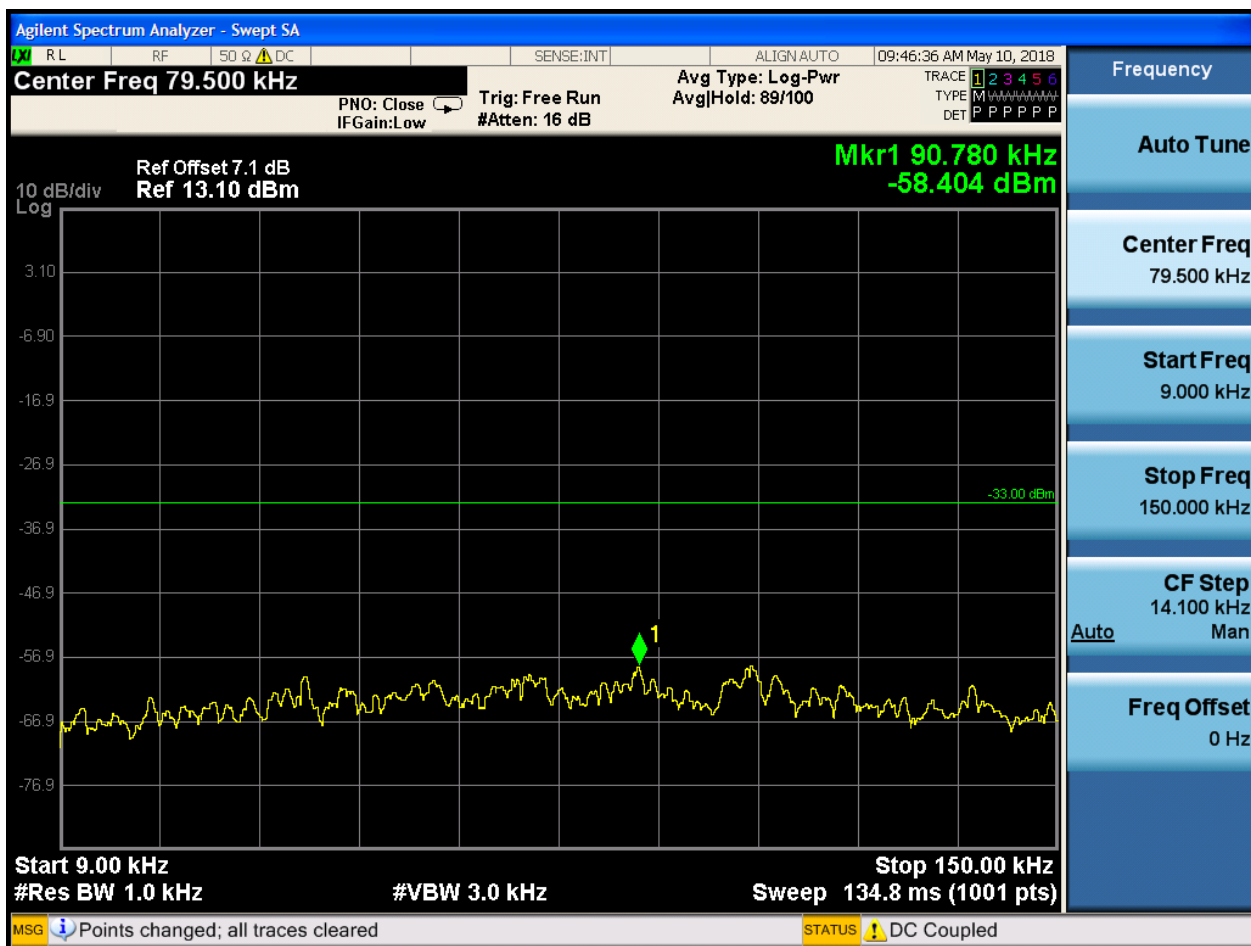


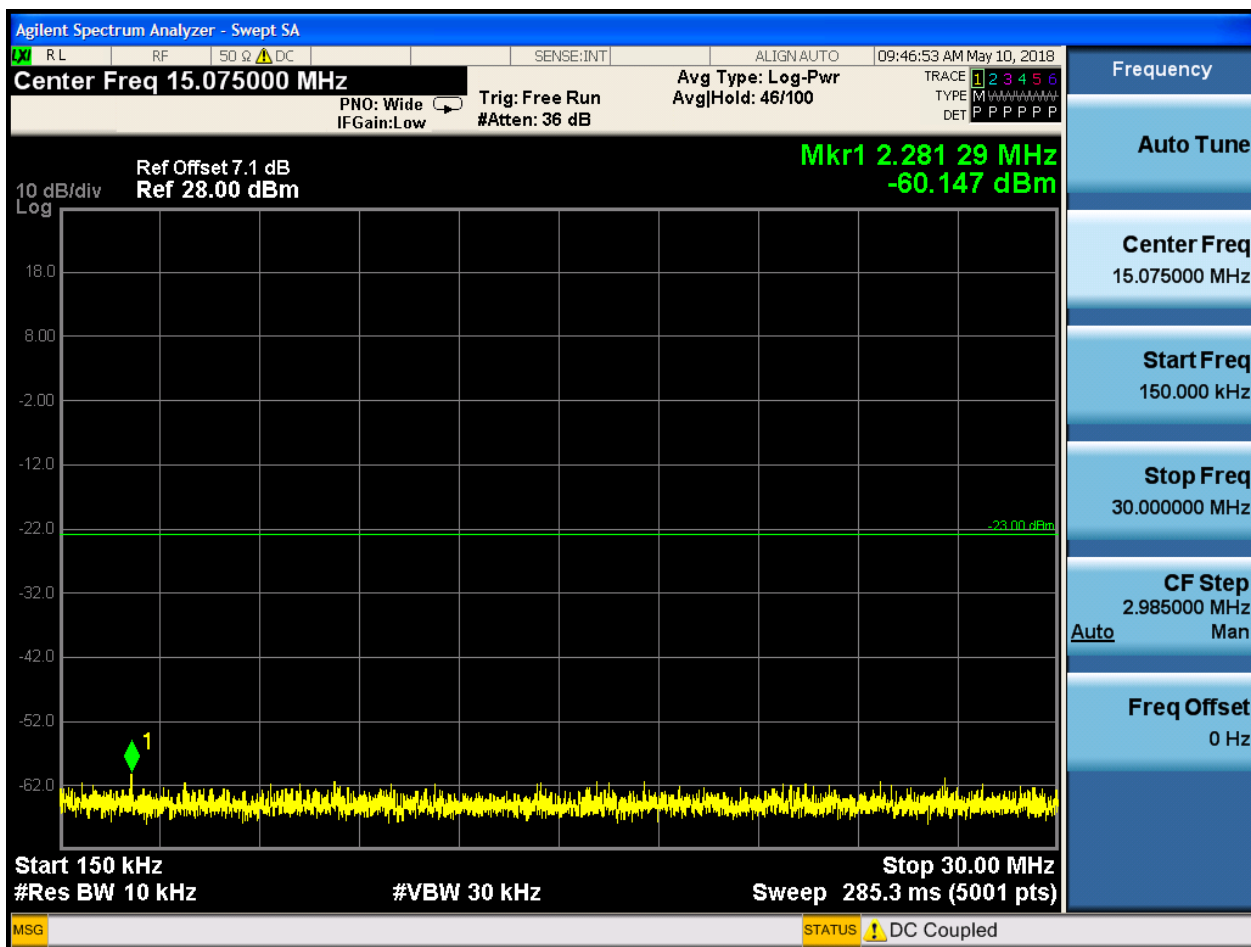


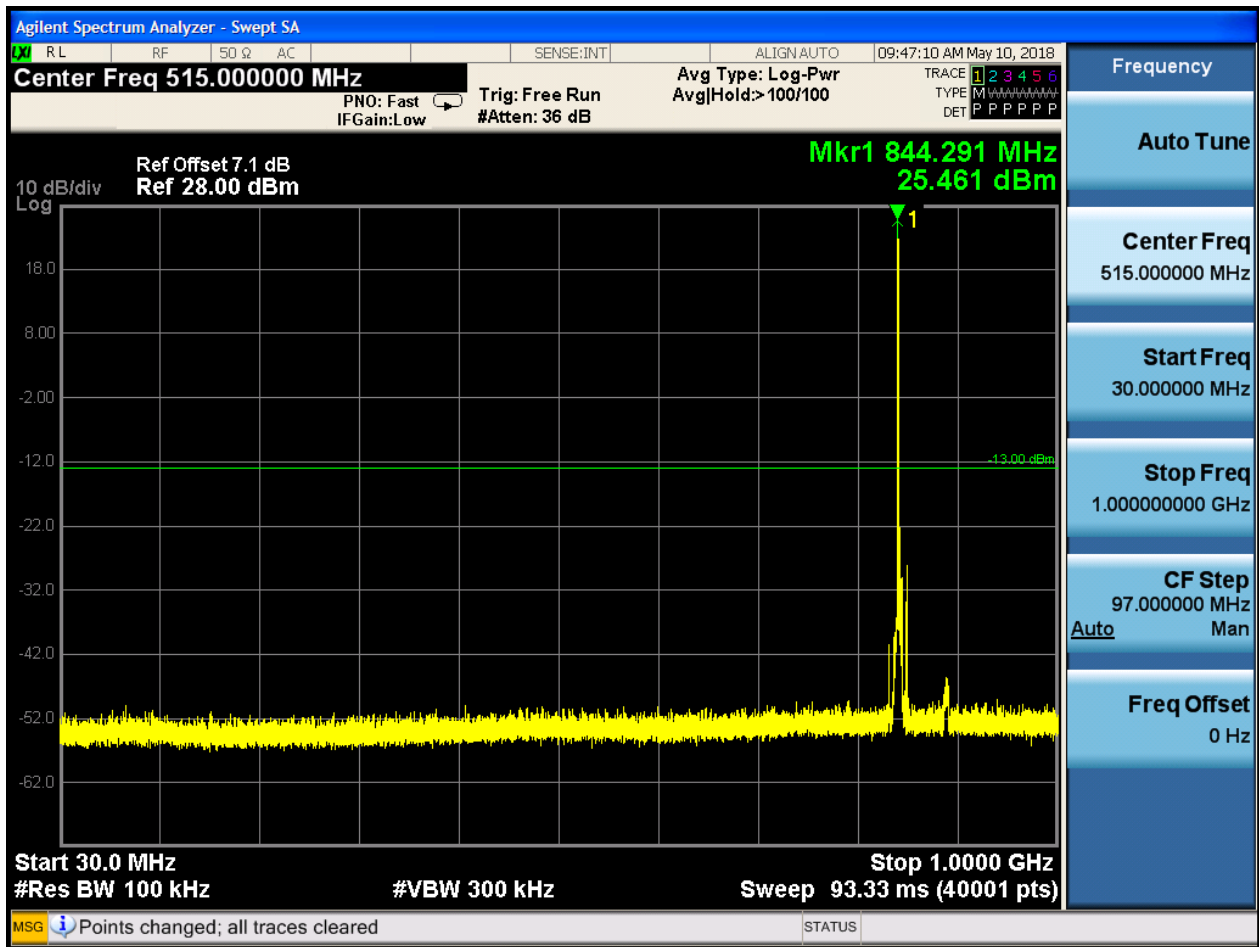


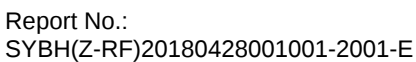
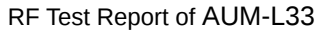
### 6.1.1.1.3.3 Test Channel = HCH

#### 6.1.1.1.3.3.1 Test RB = RB1#0





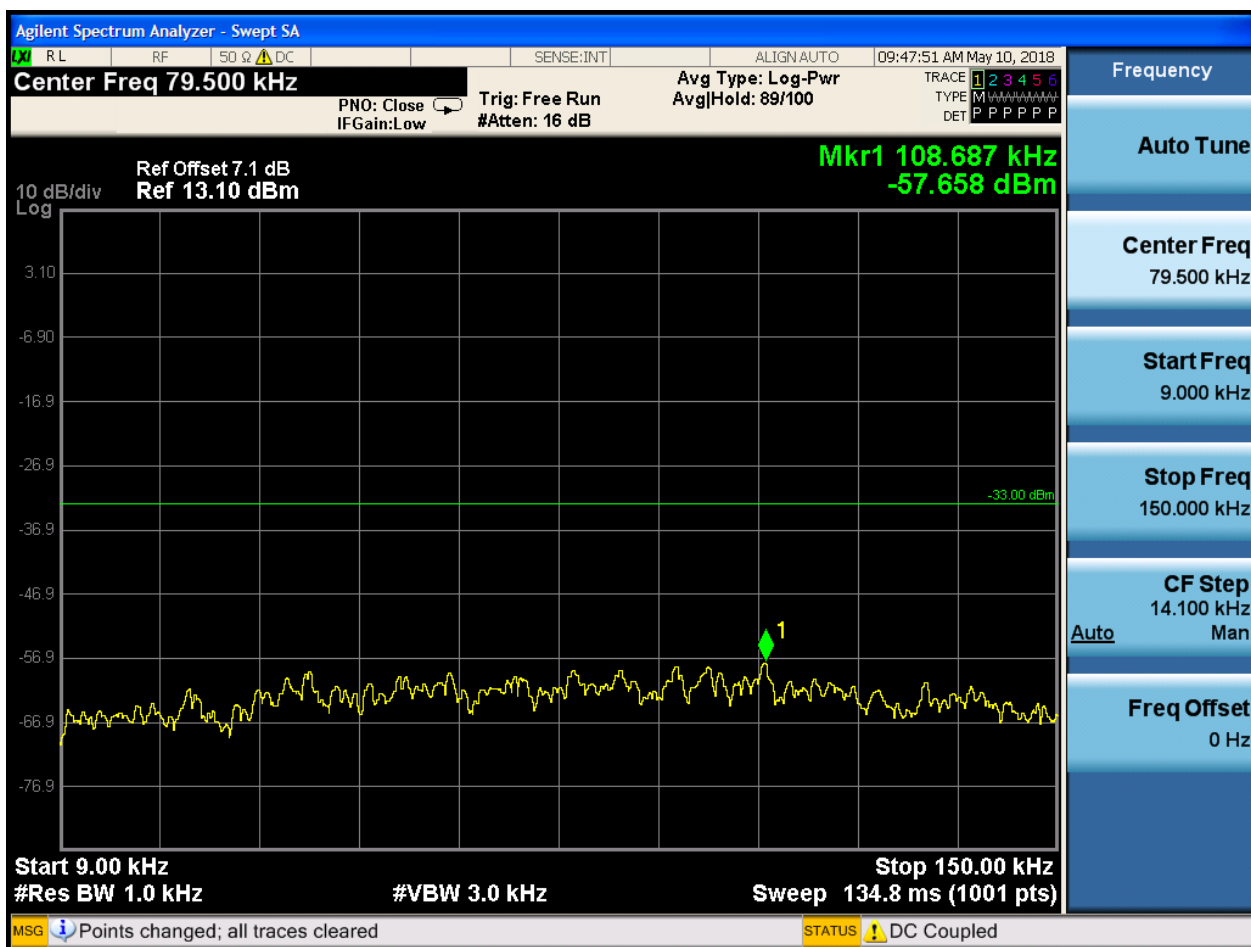


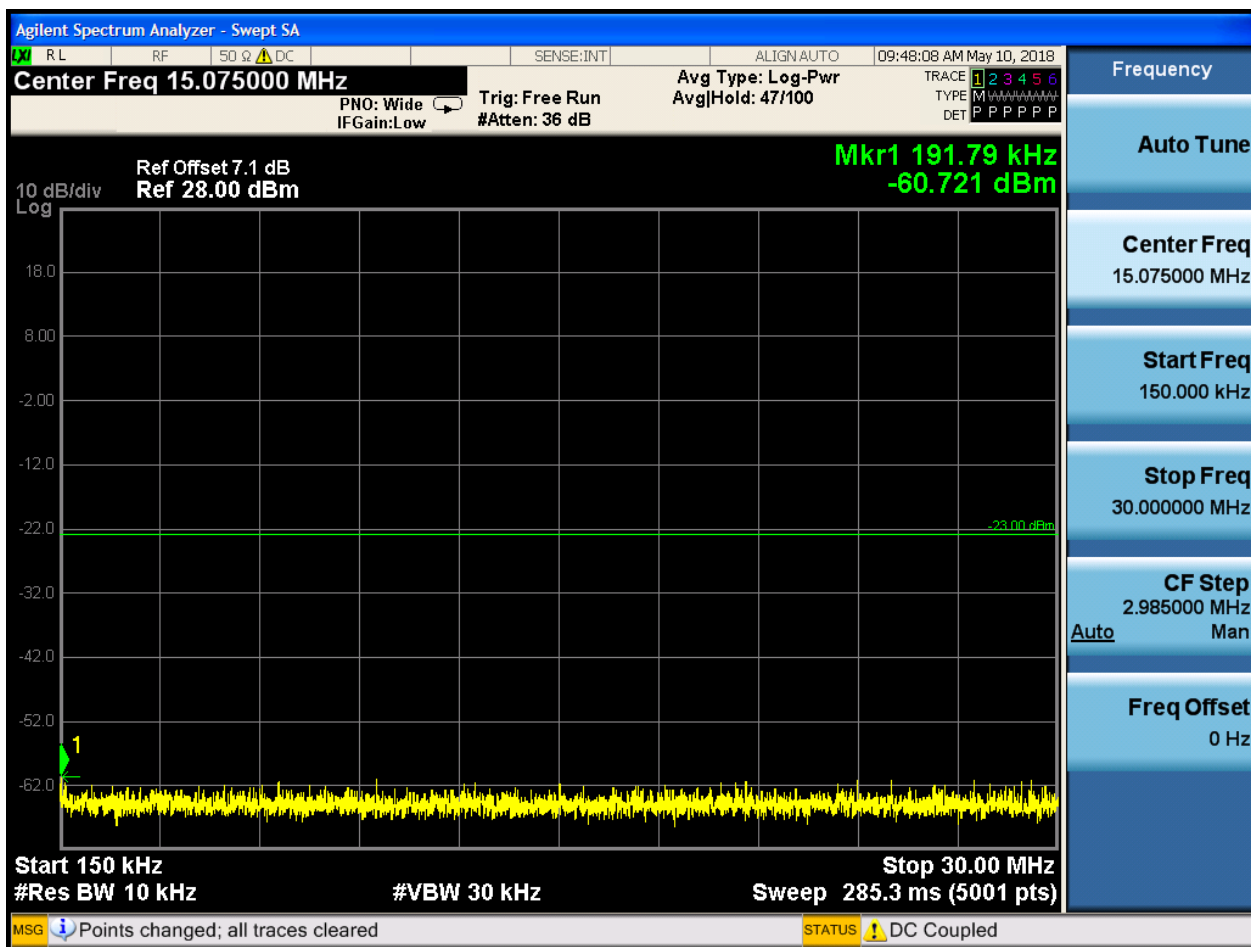


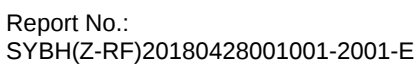
#### 6.1.1.1.4 Test Bandwidth = 10

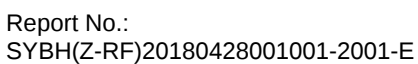
##### 6.1.1.1.4.1 Test Channel = LCH

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



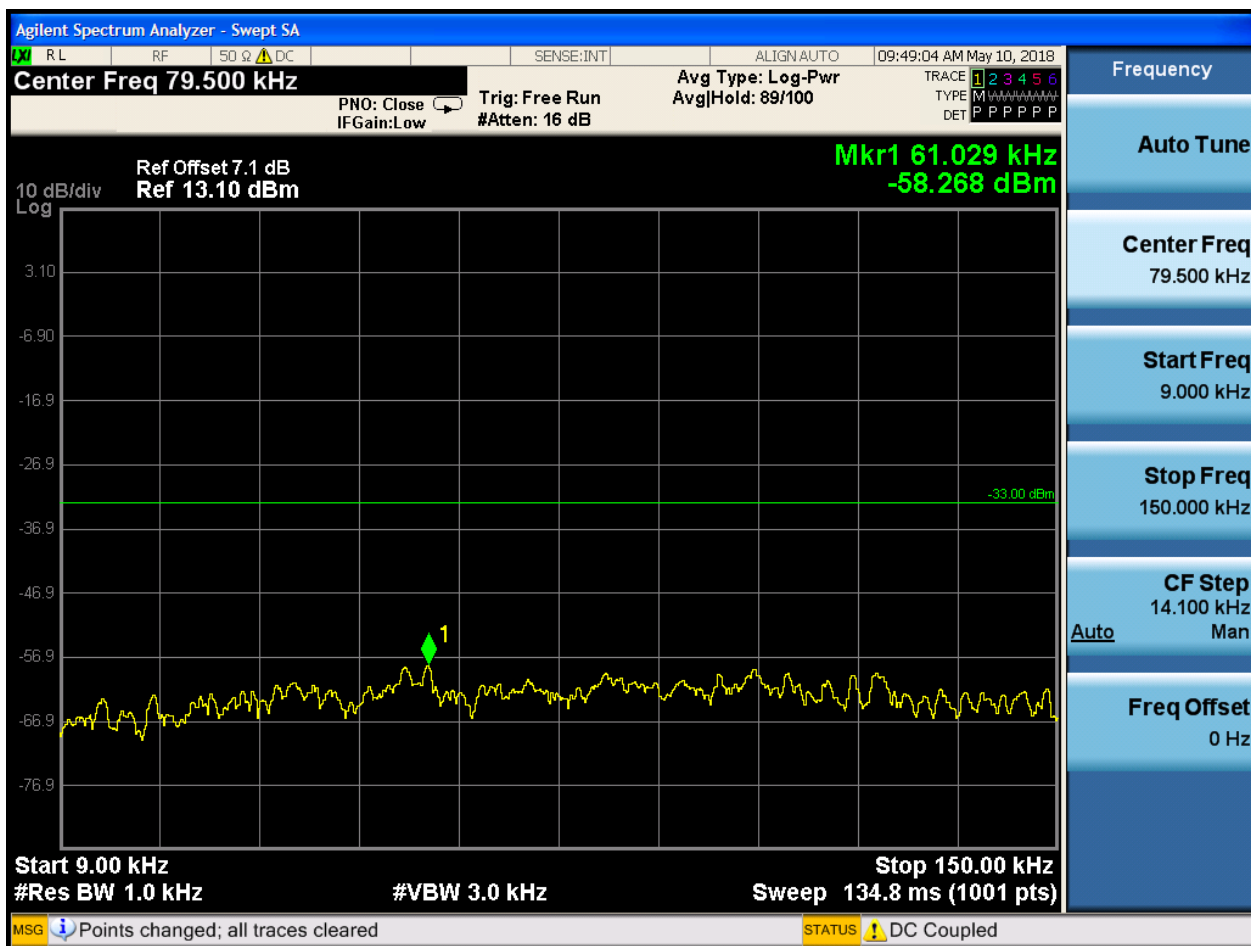


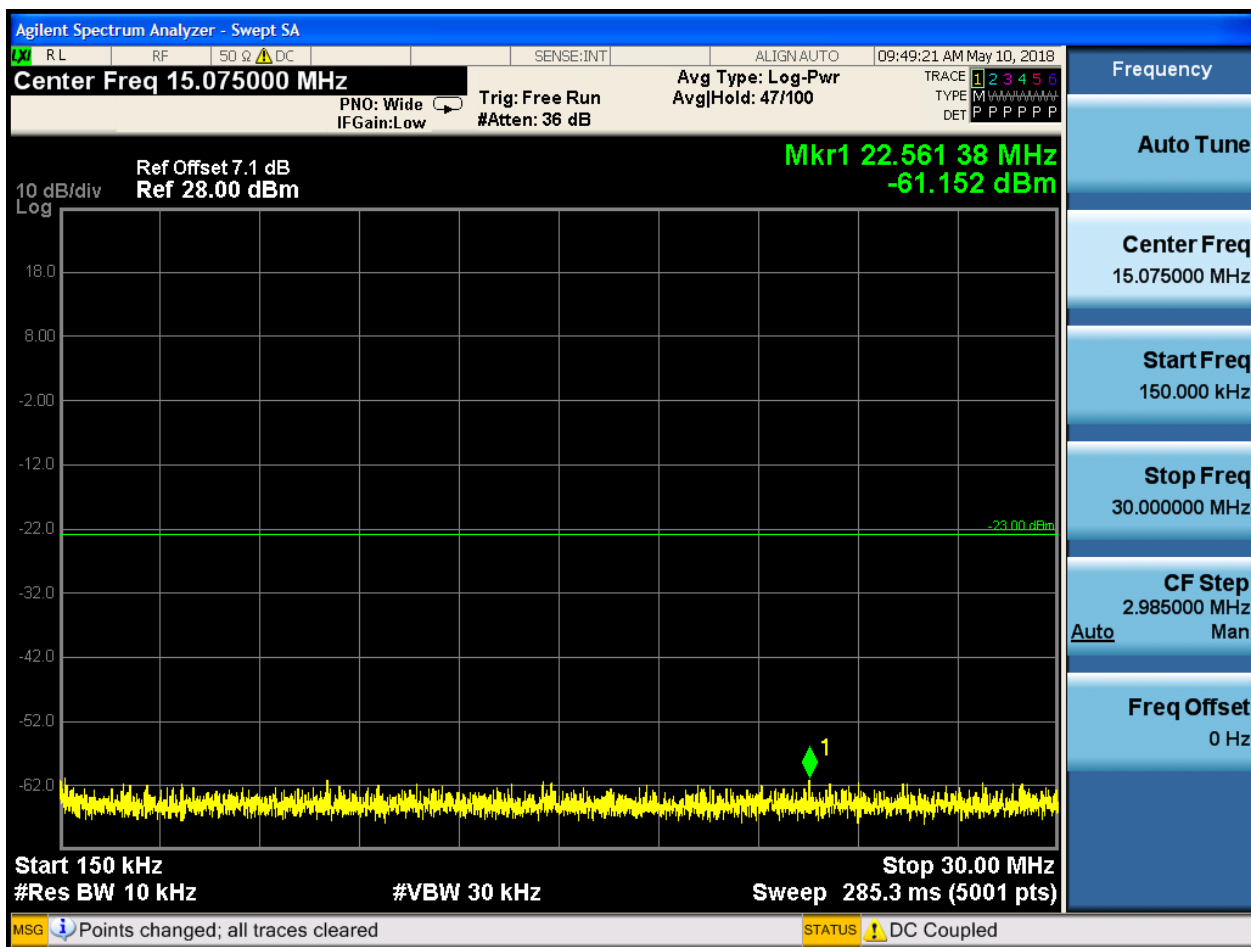


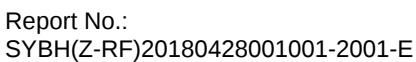
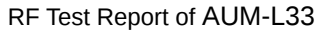


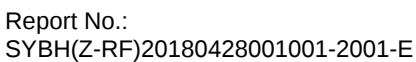
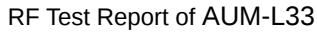
#### 6.1.1.1.4.2 Test Channel = MCH

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



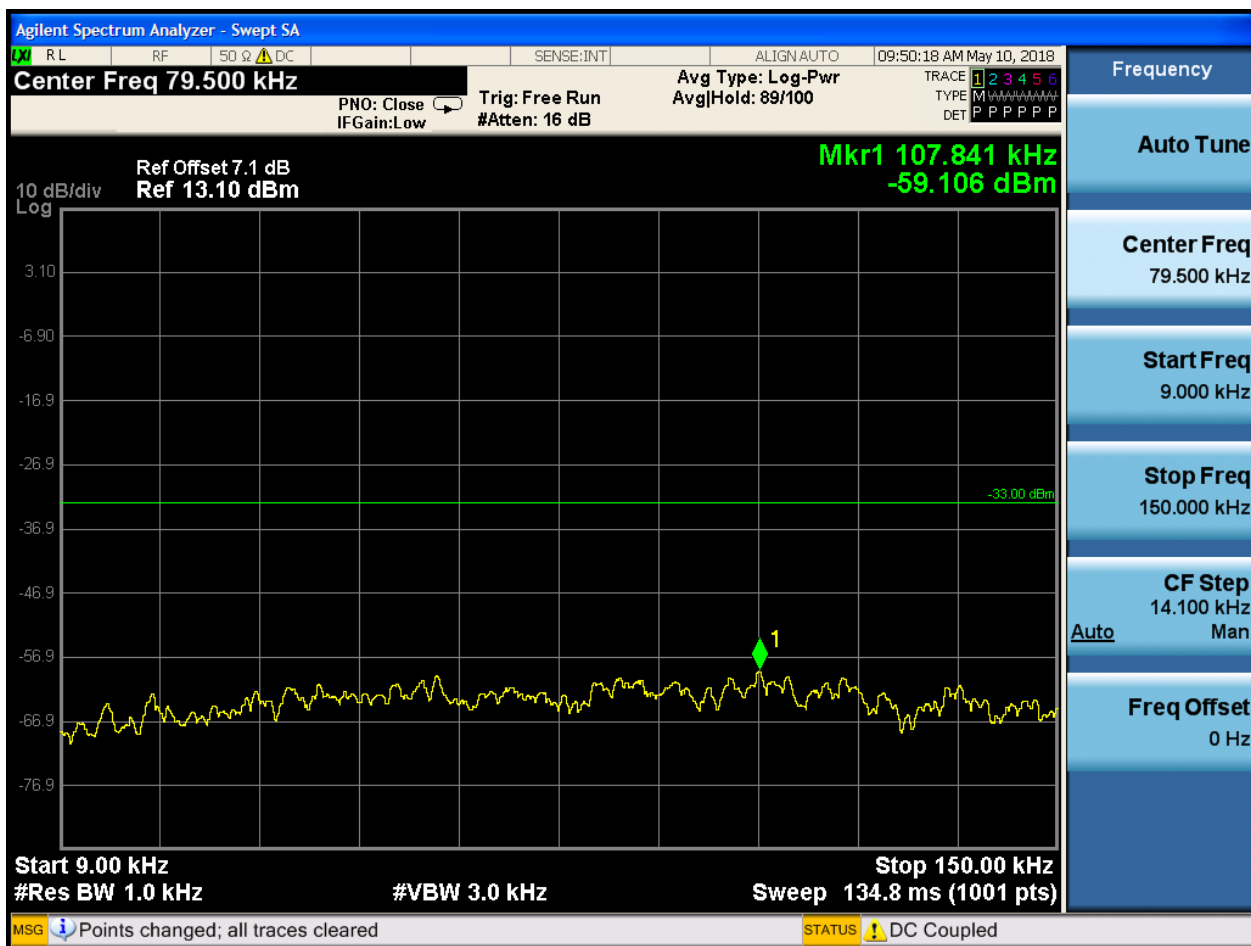


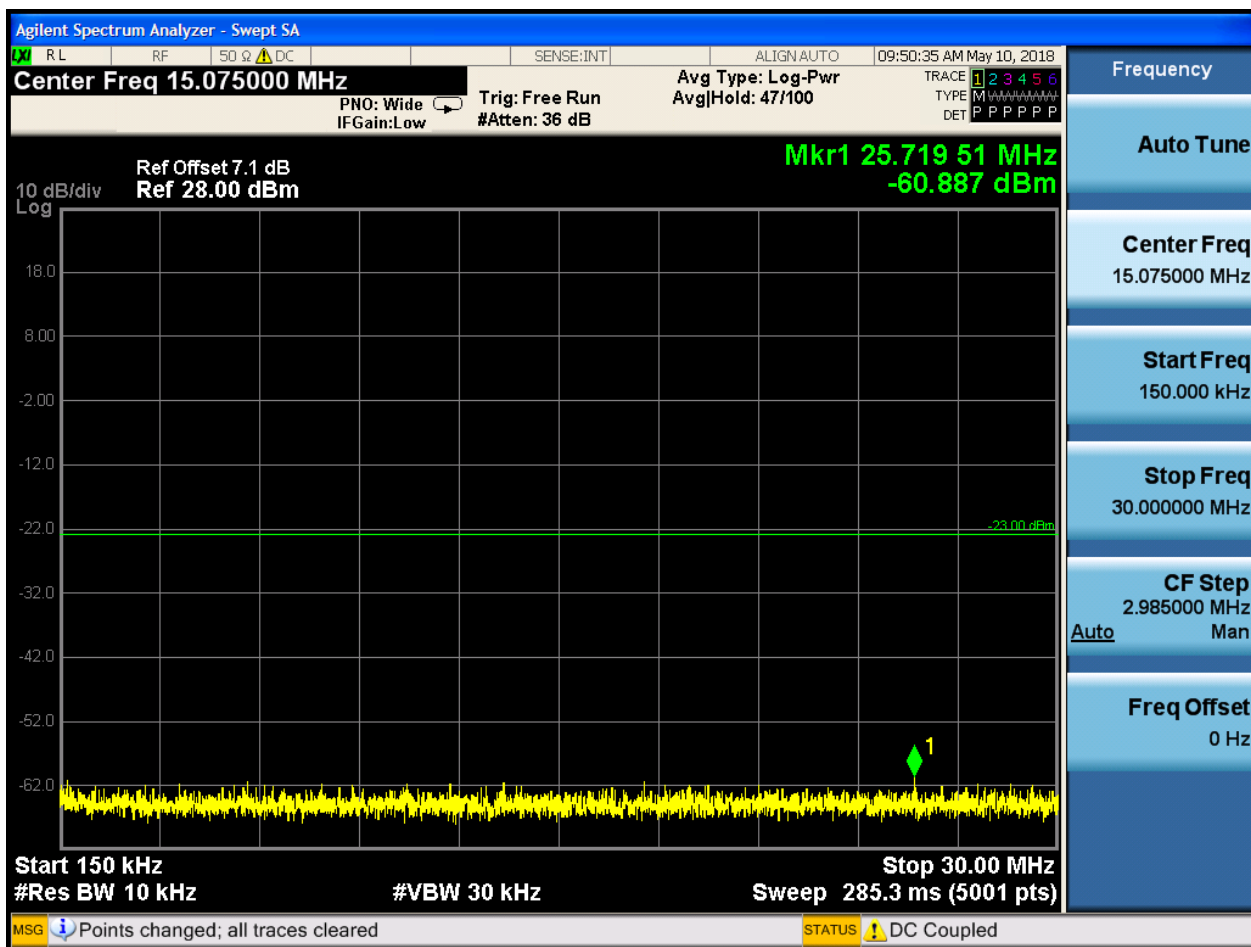


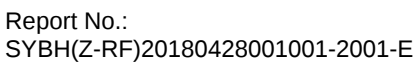
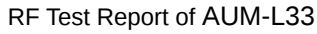


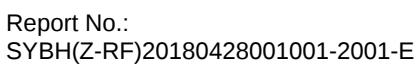
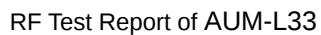
### 6.1.1.1.4.3 Test Channel = HCH

#### 6.1.1.1.4.3.1 Test RB = RB1#0







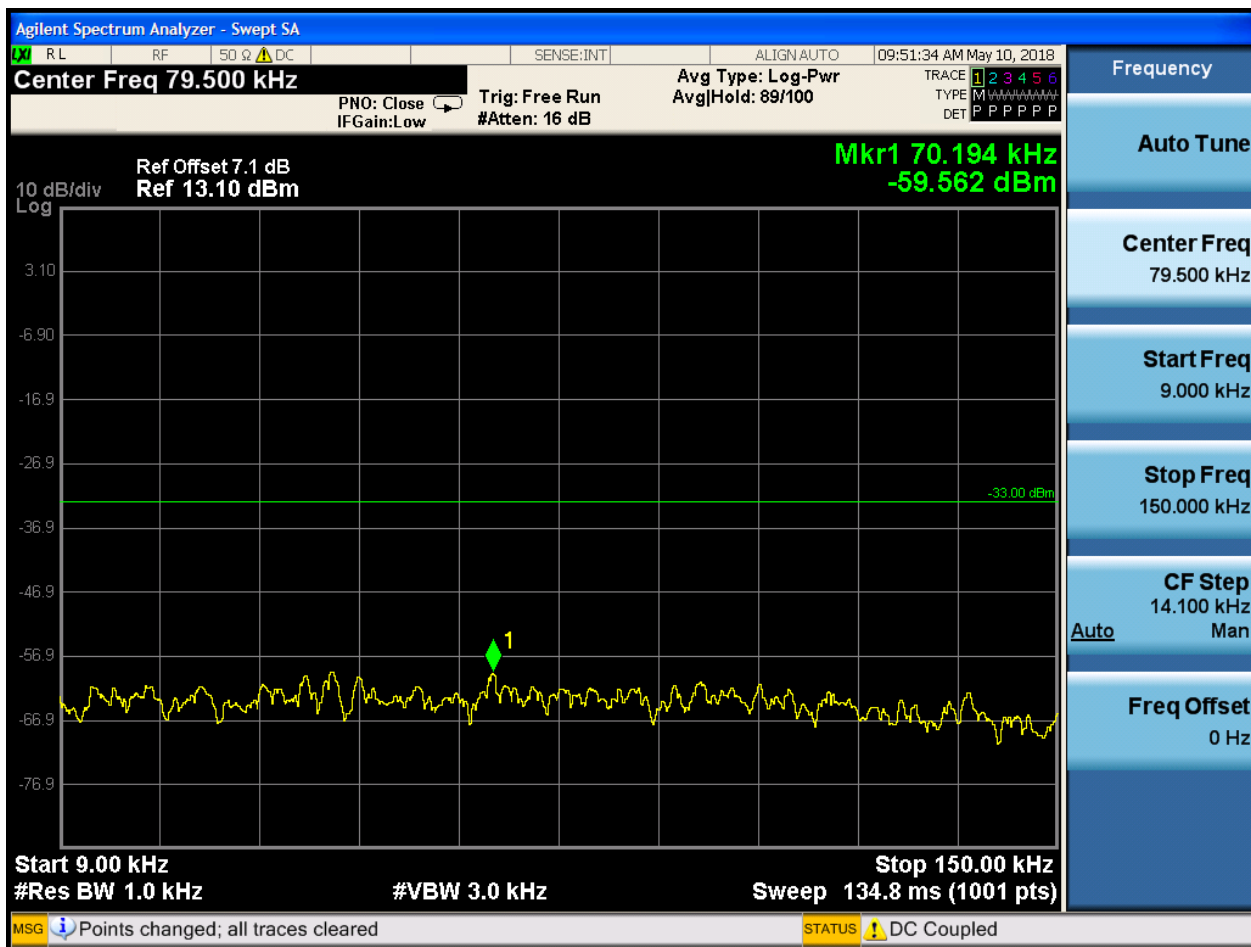


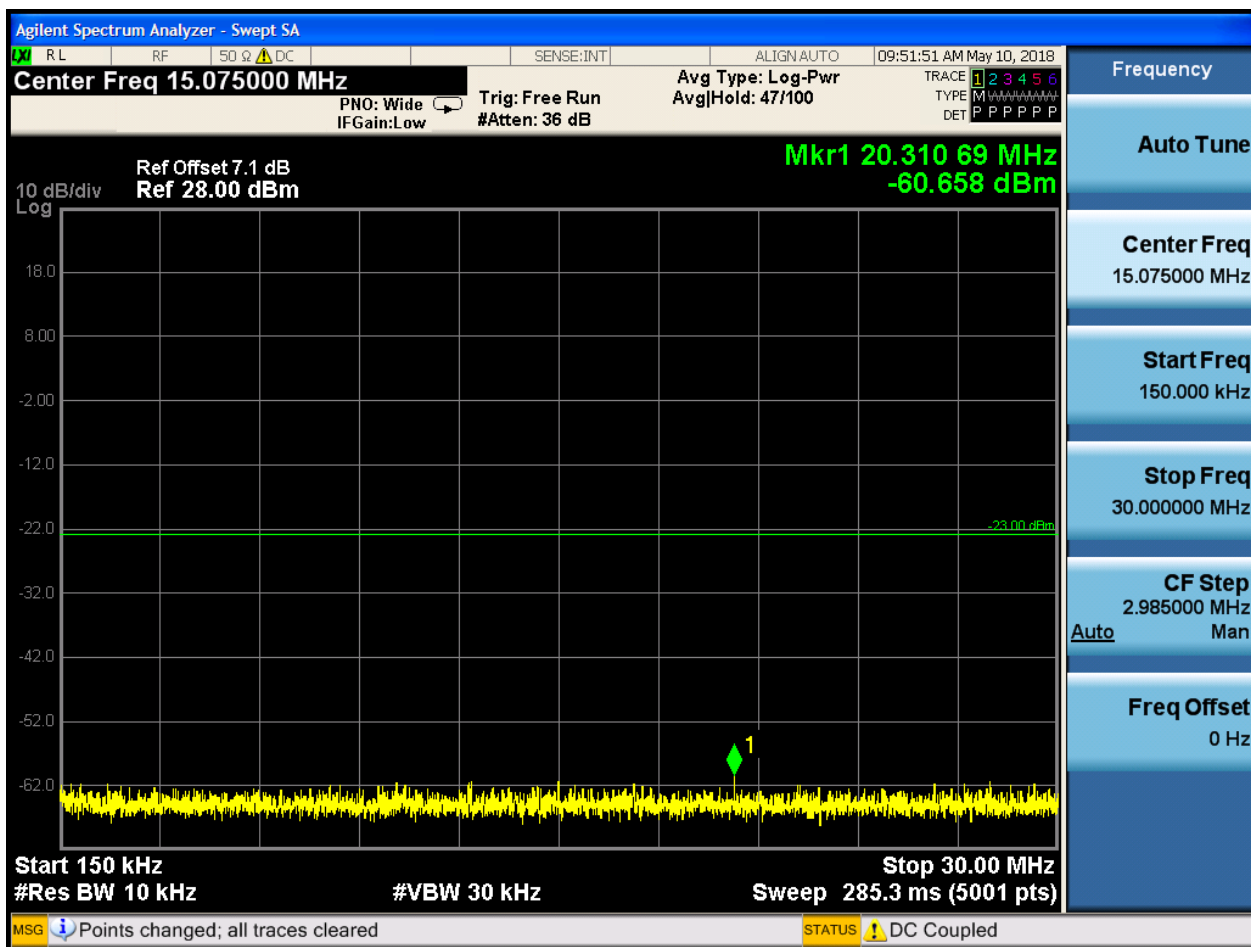
### 6.1.1.2 Test Mode = LTE/TM2

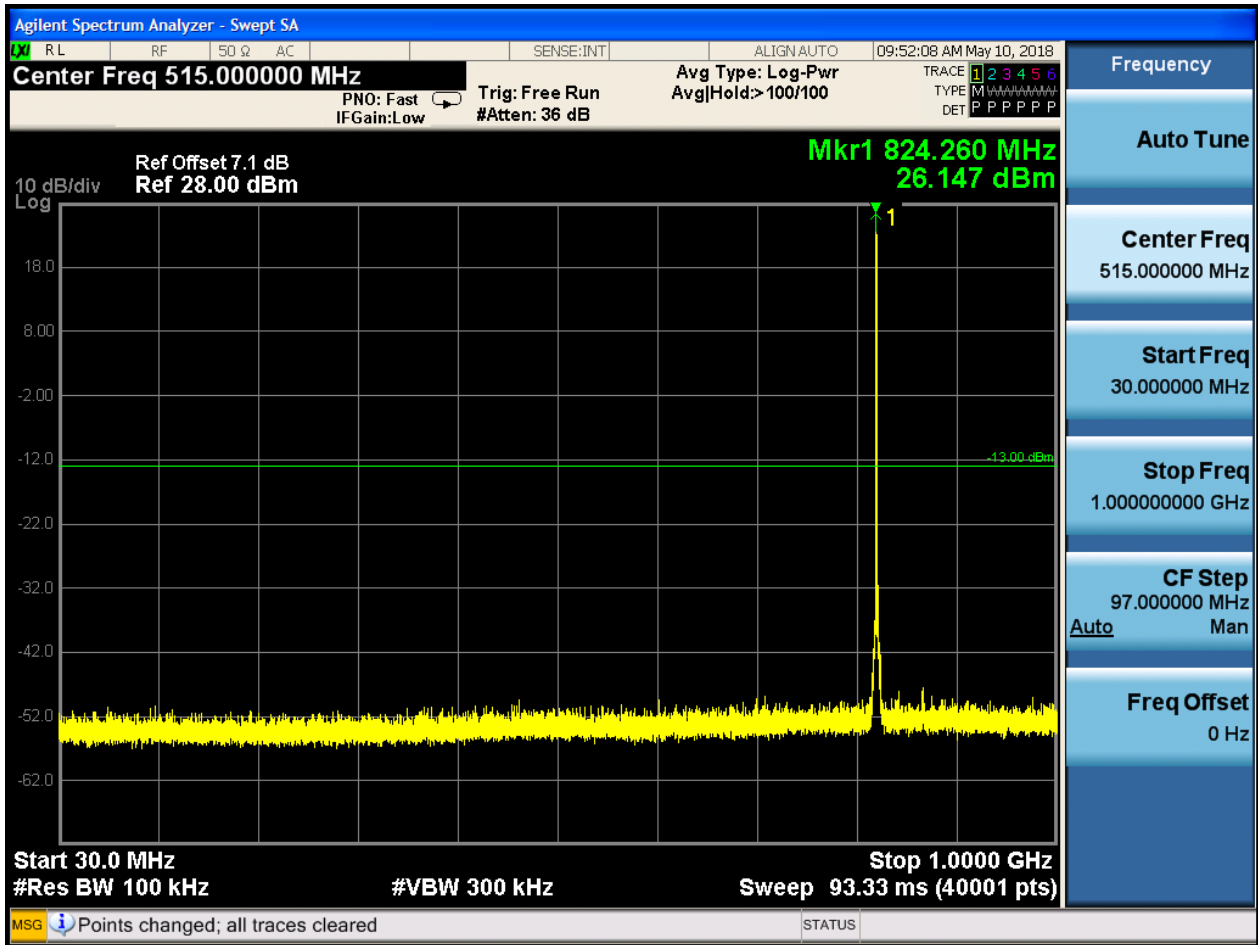
#### 6.1.1.2.1 Test Bandwidth = 1.4

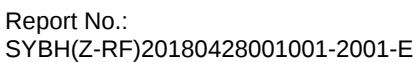
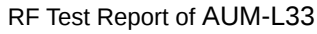
##### 6.1.1.2.1.1 Test Channel = LCH

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



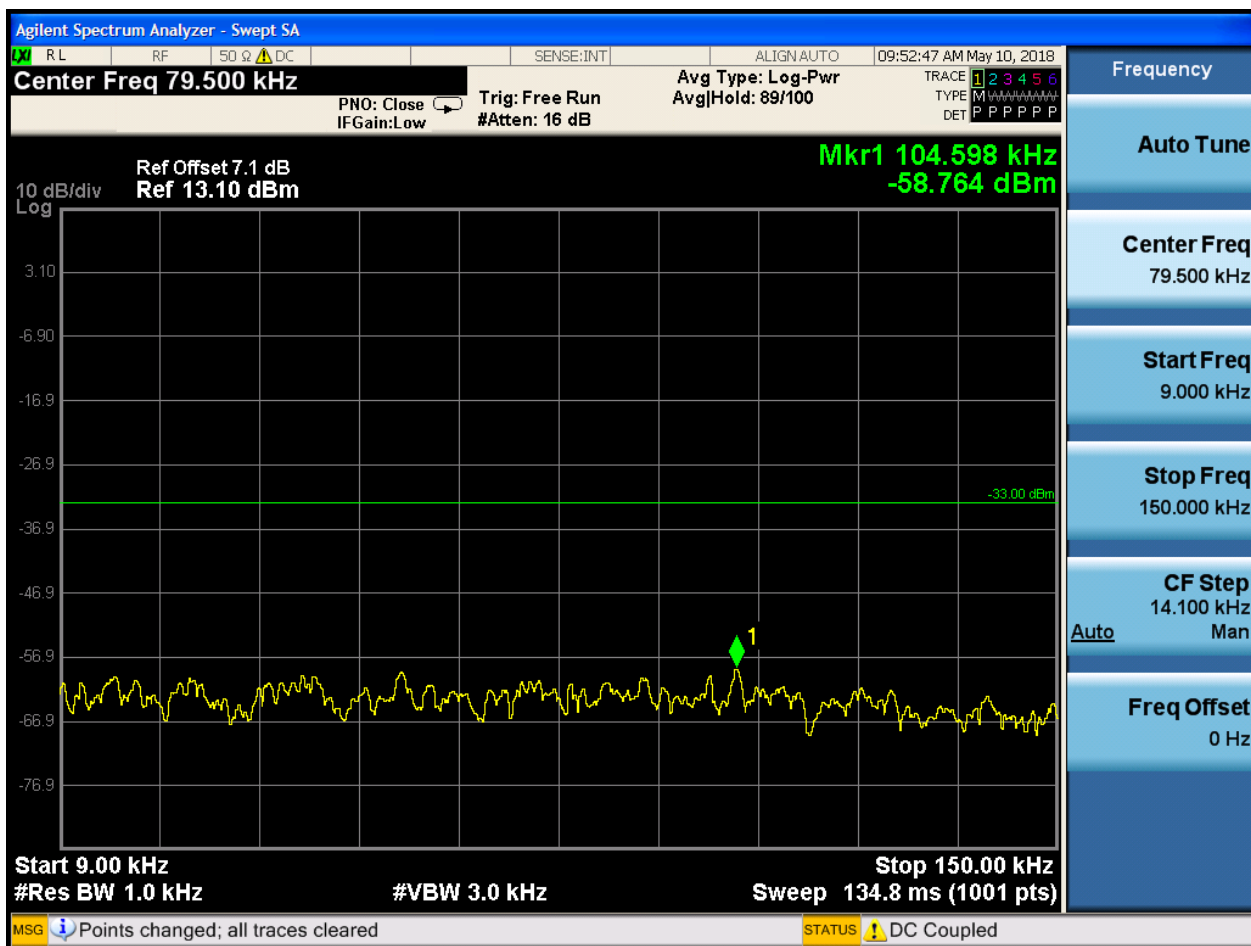


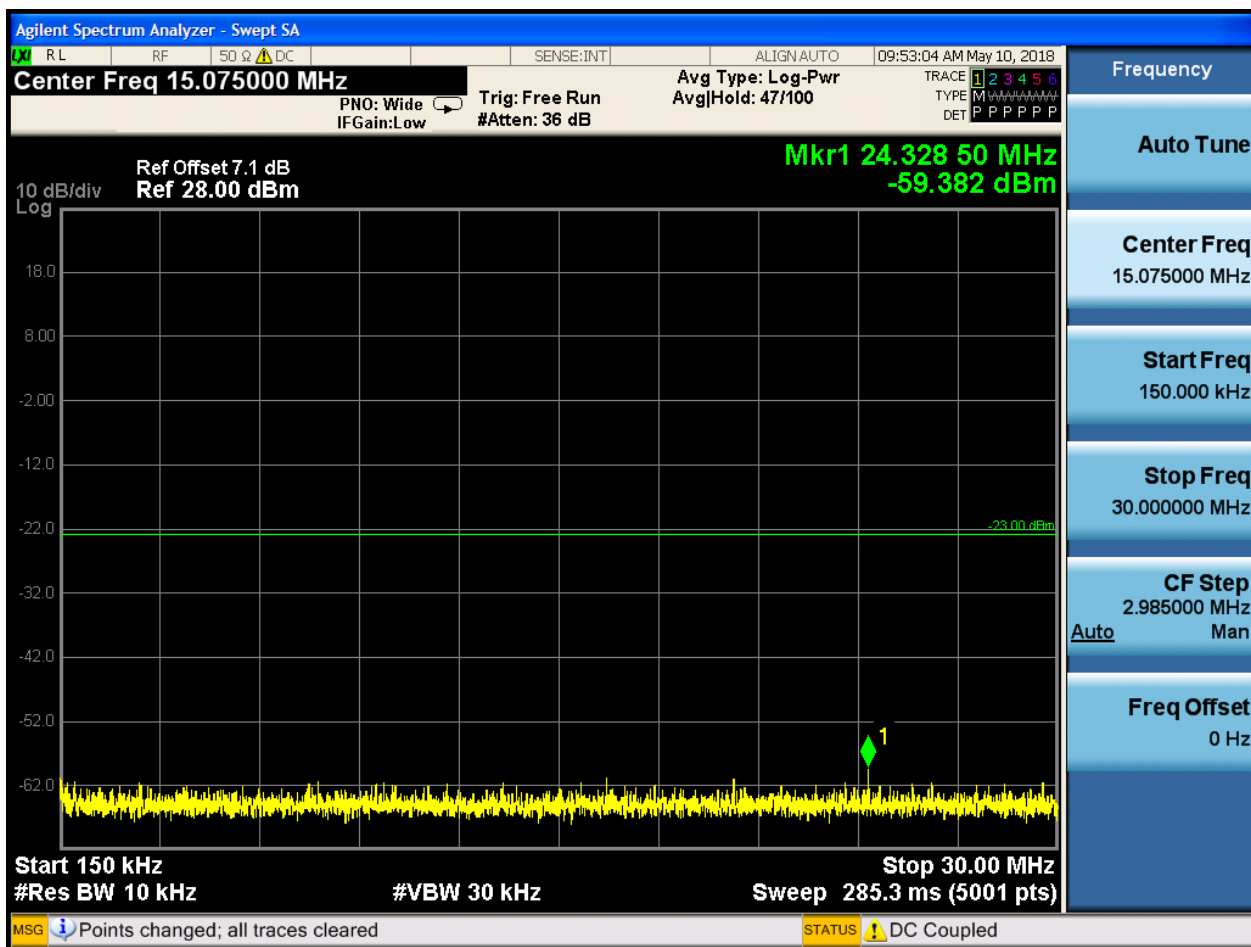


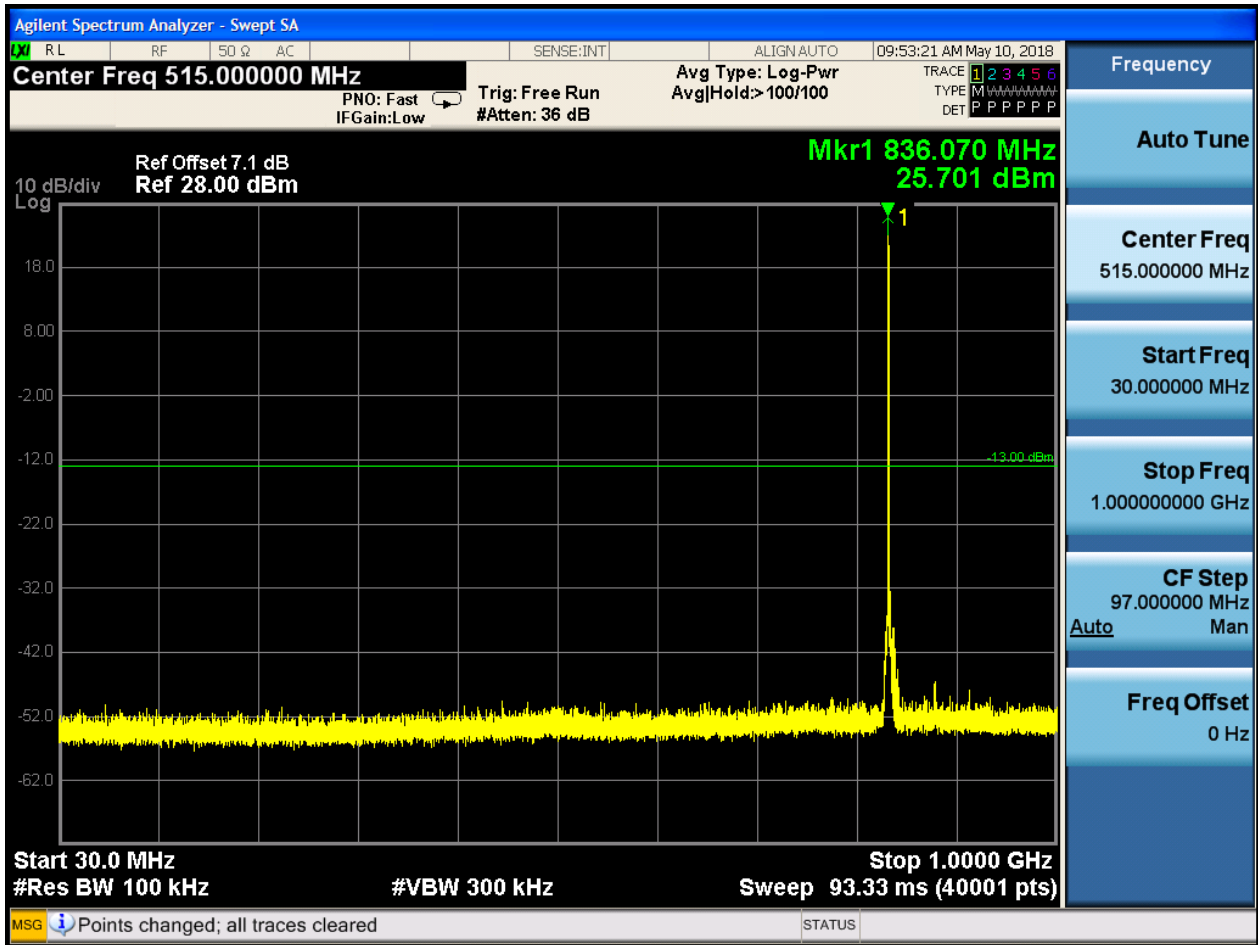


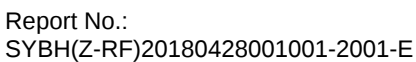
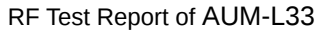
### 6.1.1.2.1.2 Test Channel = MCH

#### 6.1.1.2.1.2.1 Test RB = RB1#0





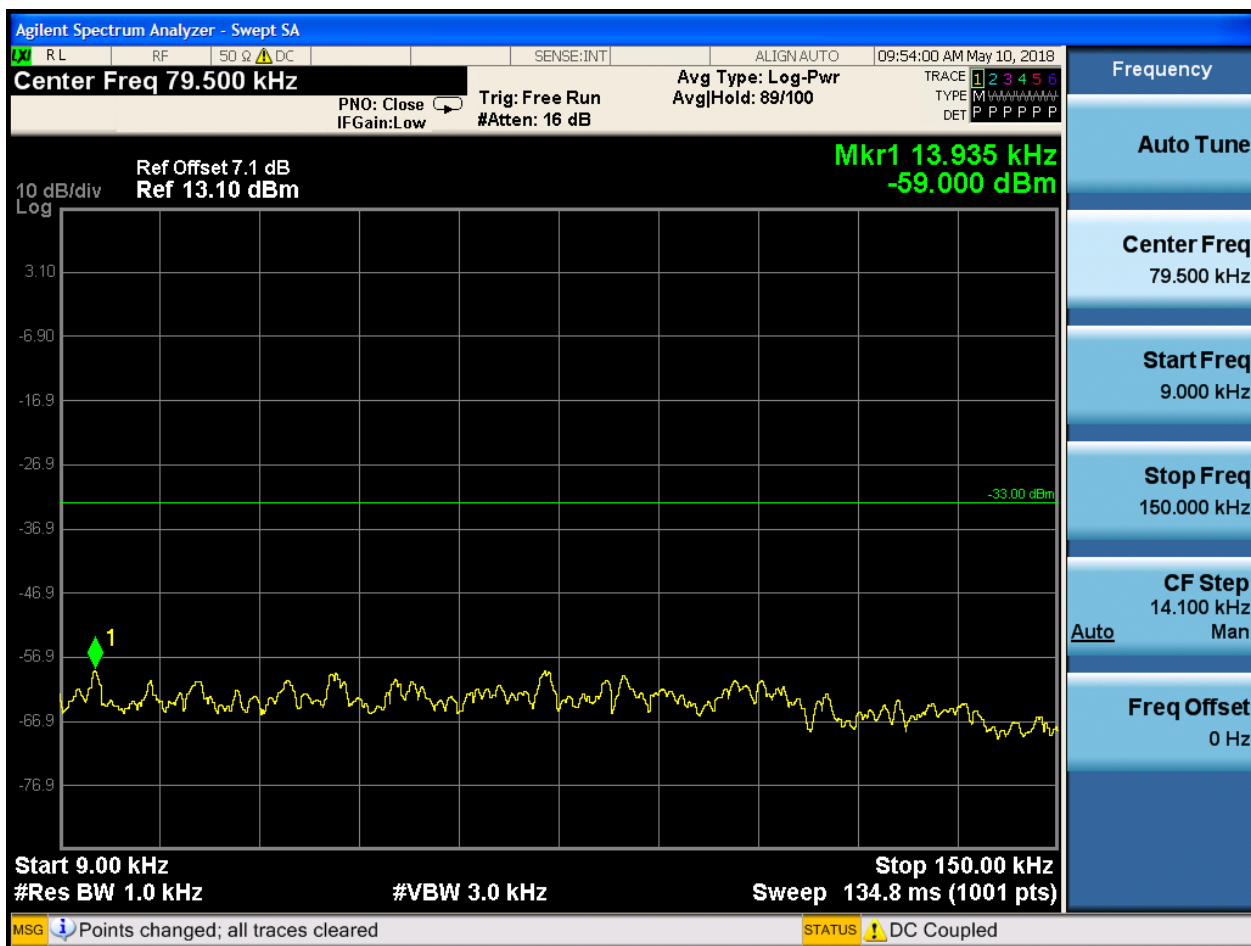


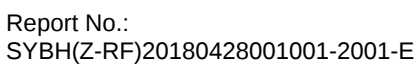
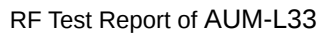


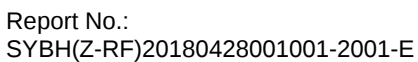
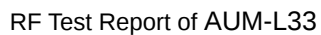


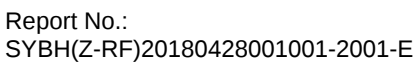
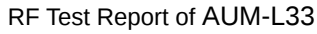
## 6.1.1.2.1.3 Test Channel = HCH

## 6.1.1.2.1.3.1 Test RB = RB1#0





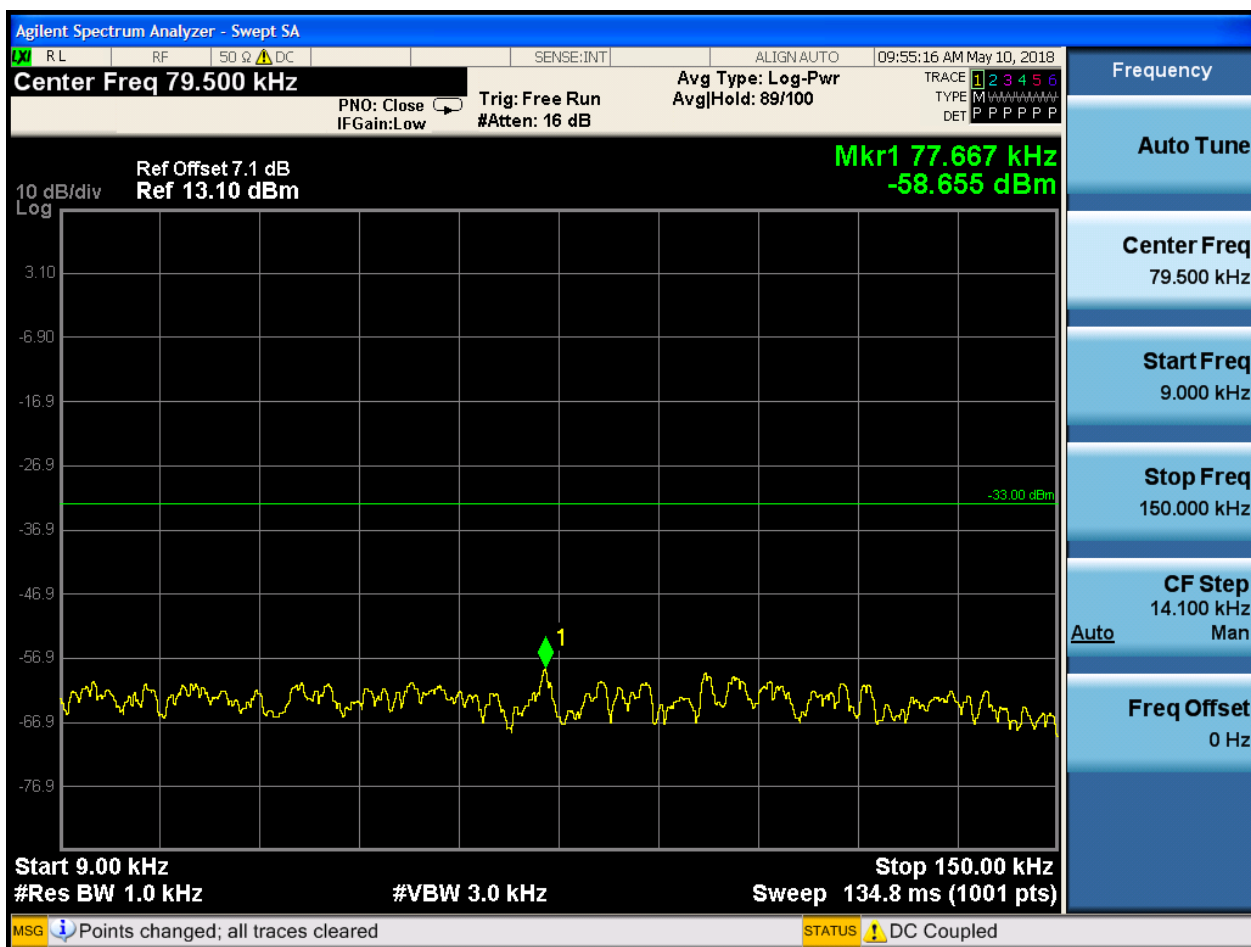


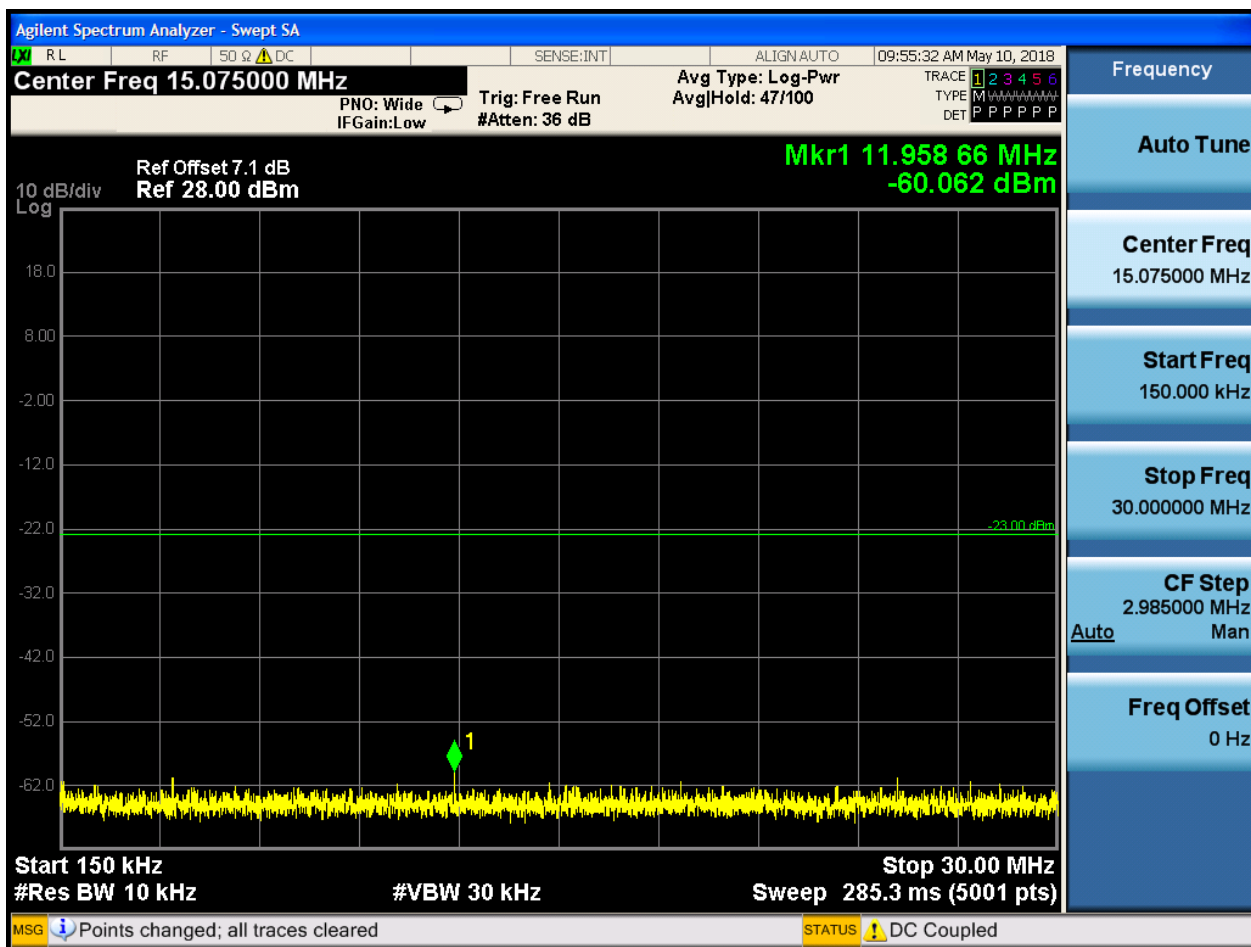


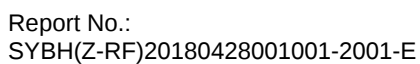
### 6.1.1.2.2 Test Bandwidth = 3

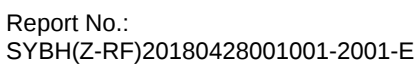
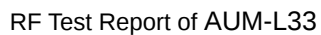
#### 6.1.1.2.2.1 Test Channel = LCH

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





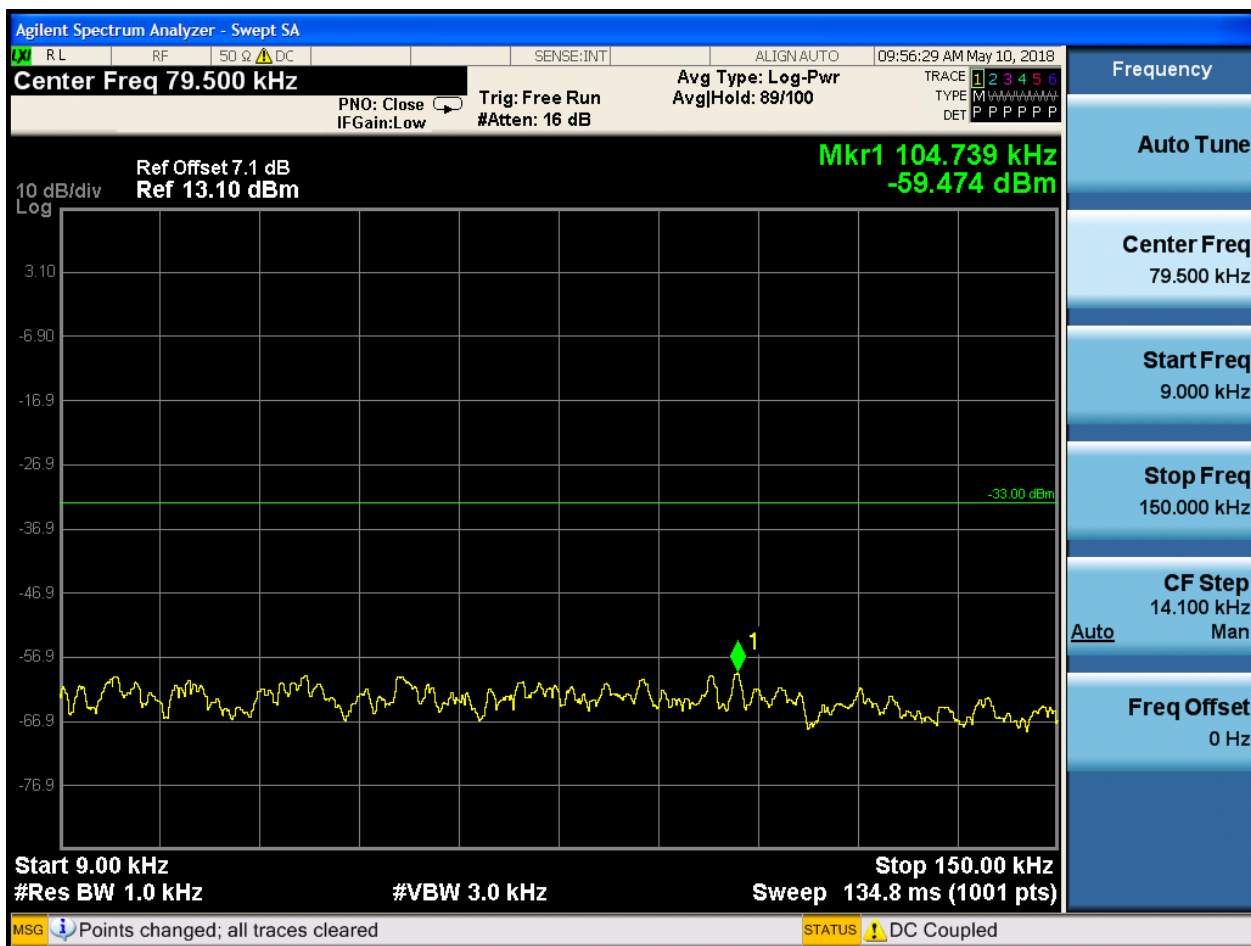


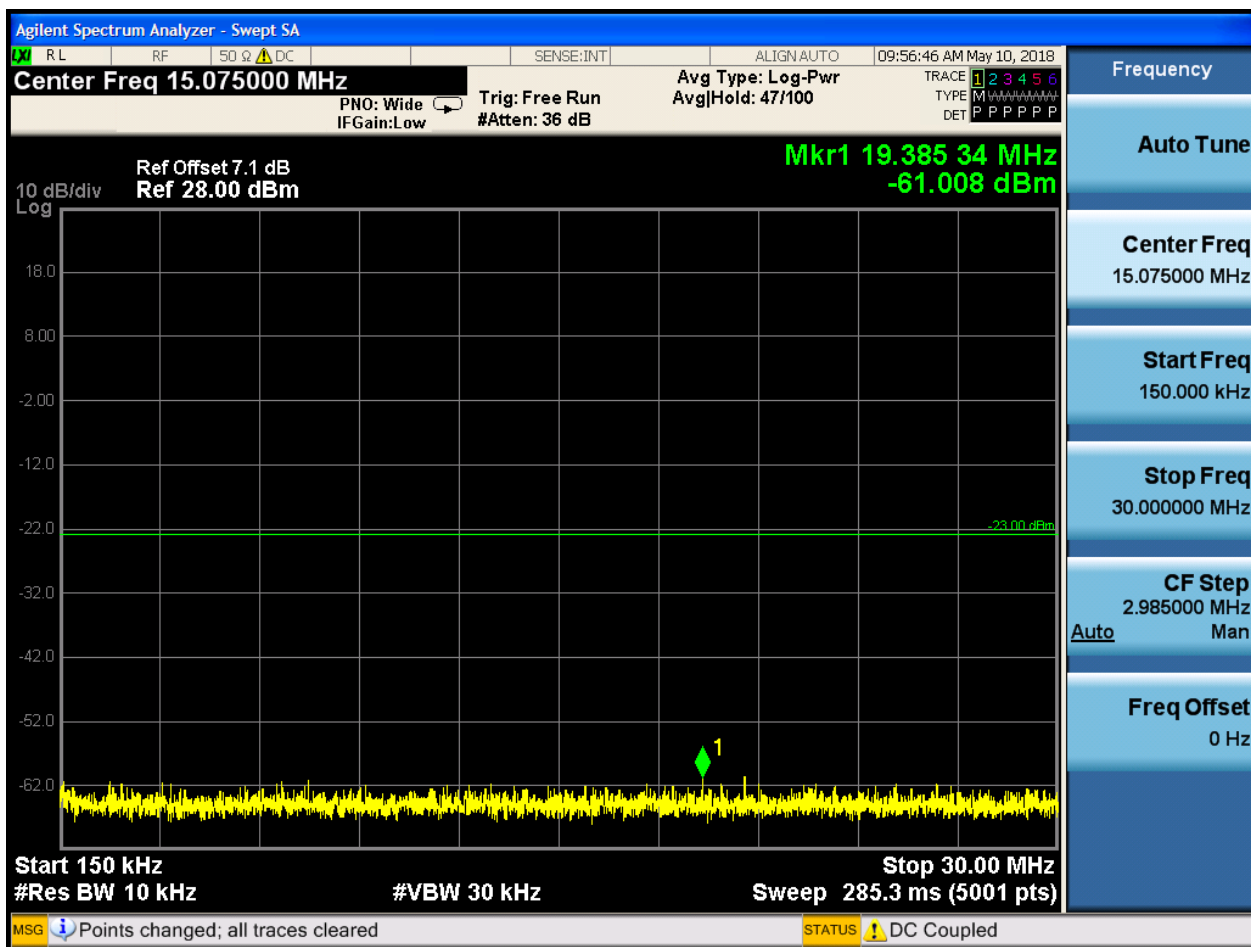


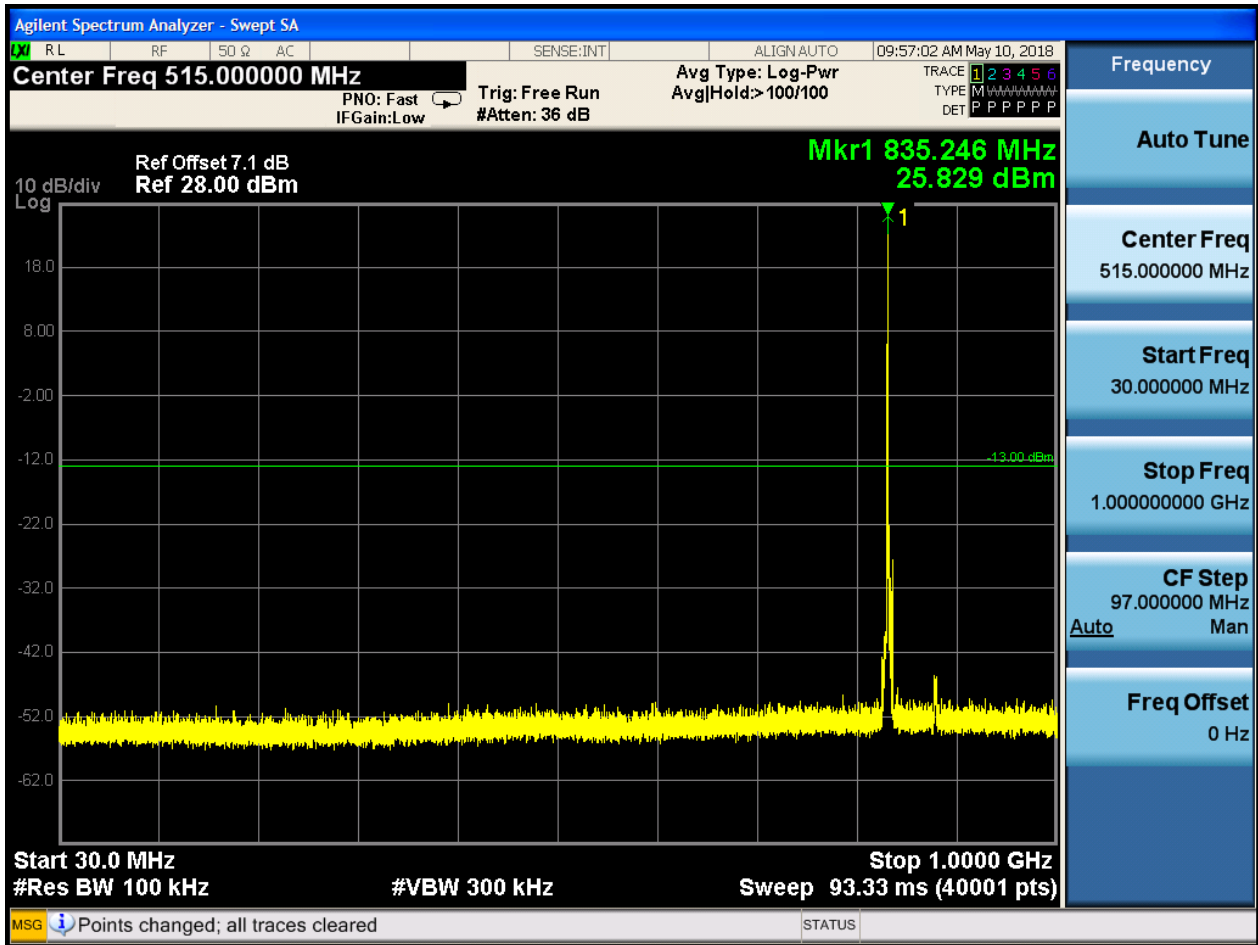


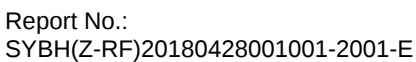
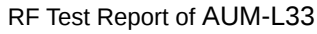
## 6.1.1.2.2.2 Test Channel = MCH

## 6.1.1.2.2.2.1 Test RB = RB1#0



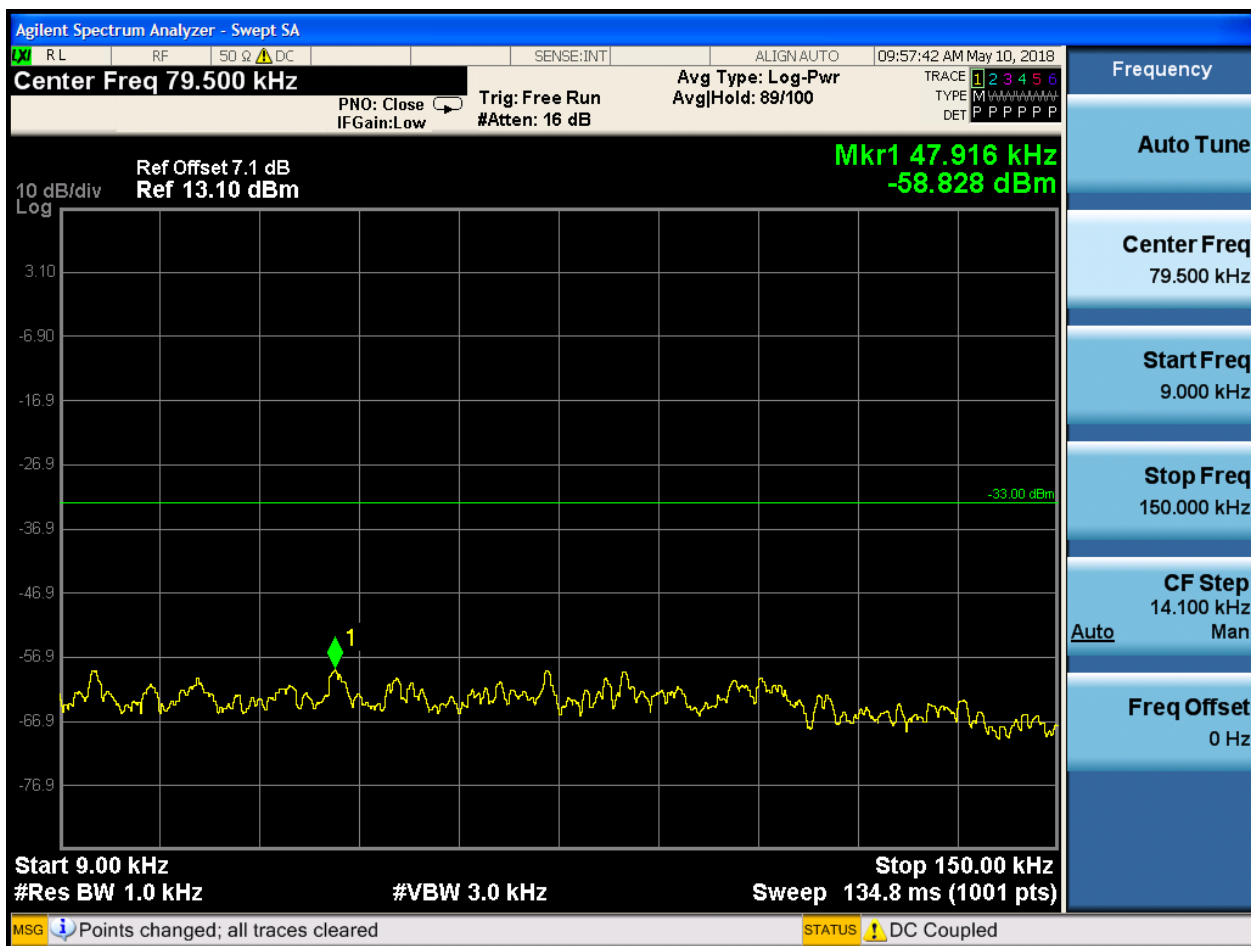


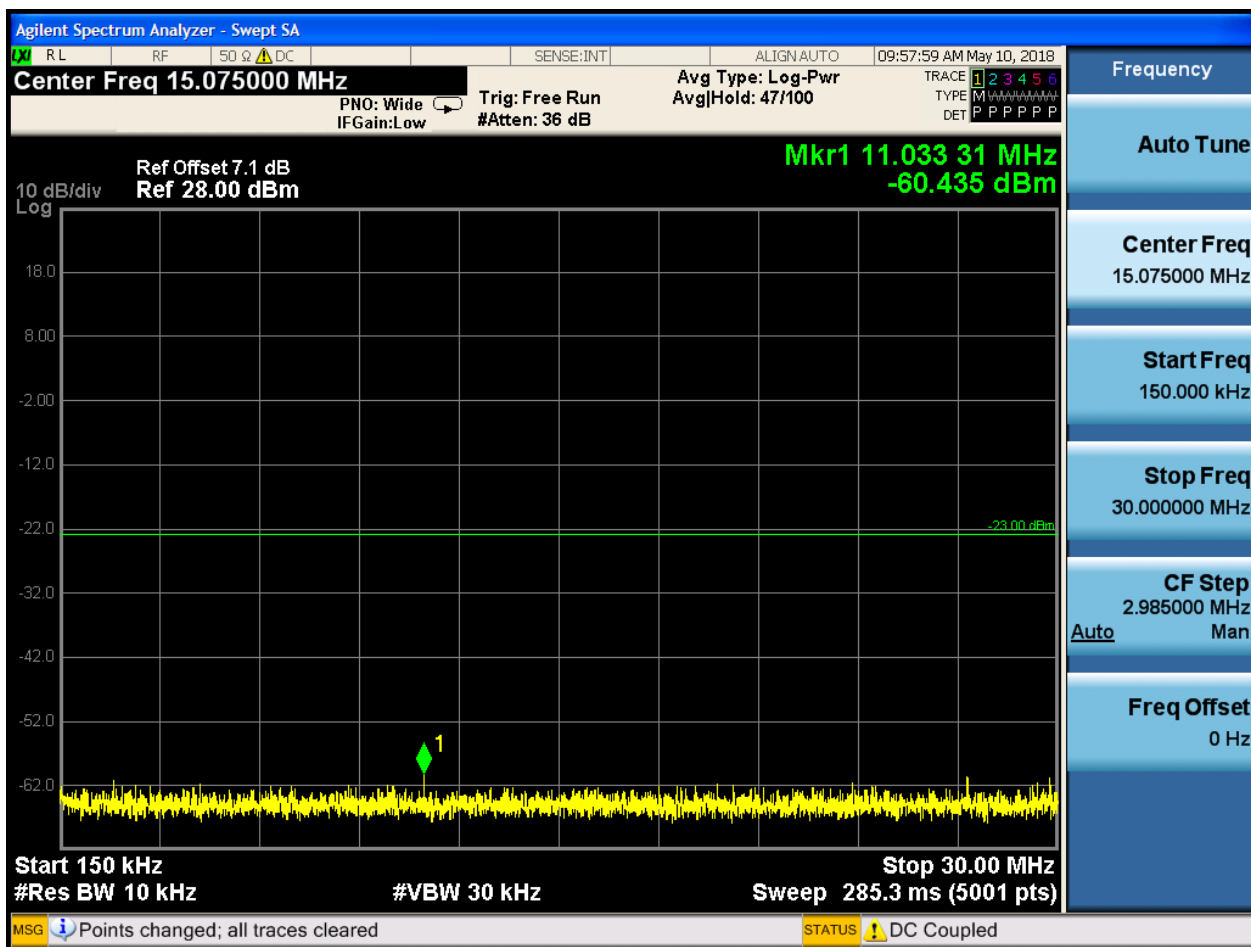


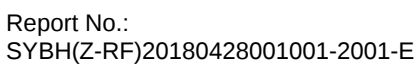
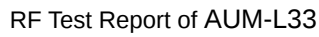


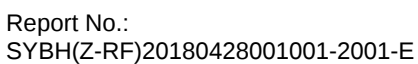
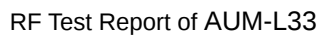
### 6.1.1.2.2.3 Test Channel = HCH

#### 6.1.1.2.2.3.1 Test RB = RB1#0





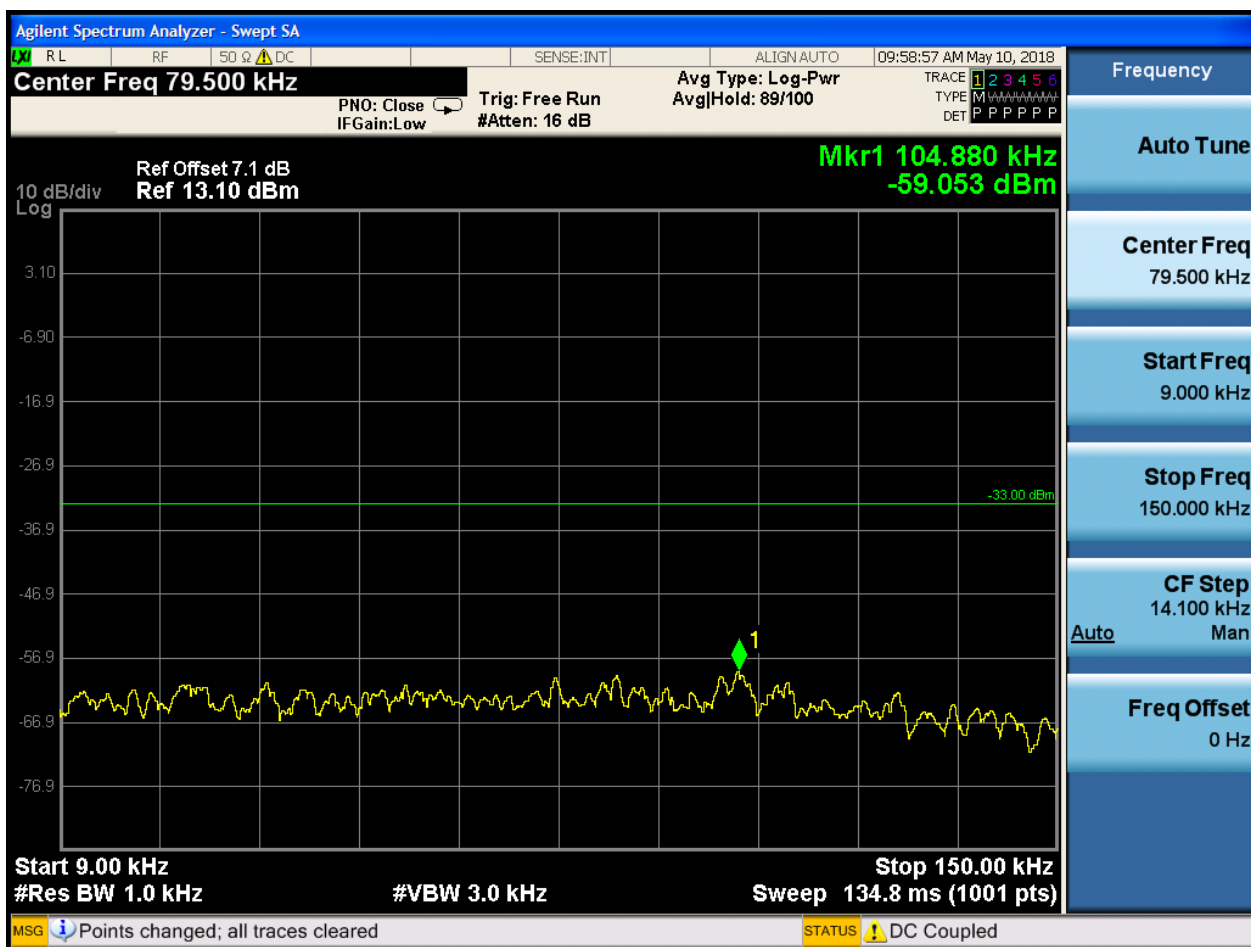


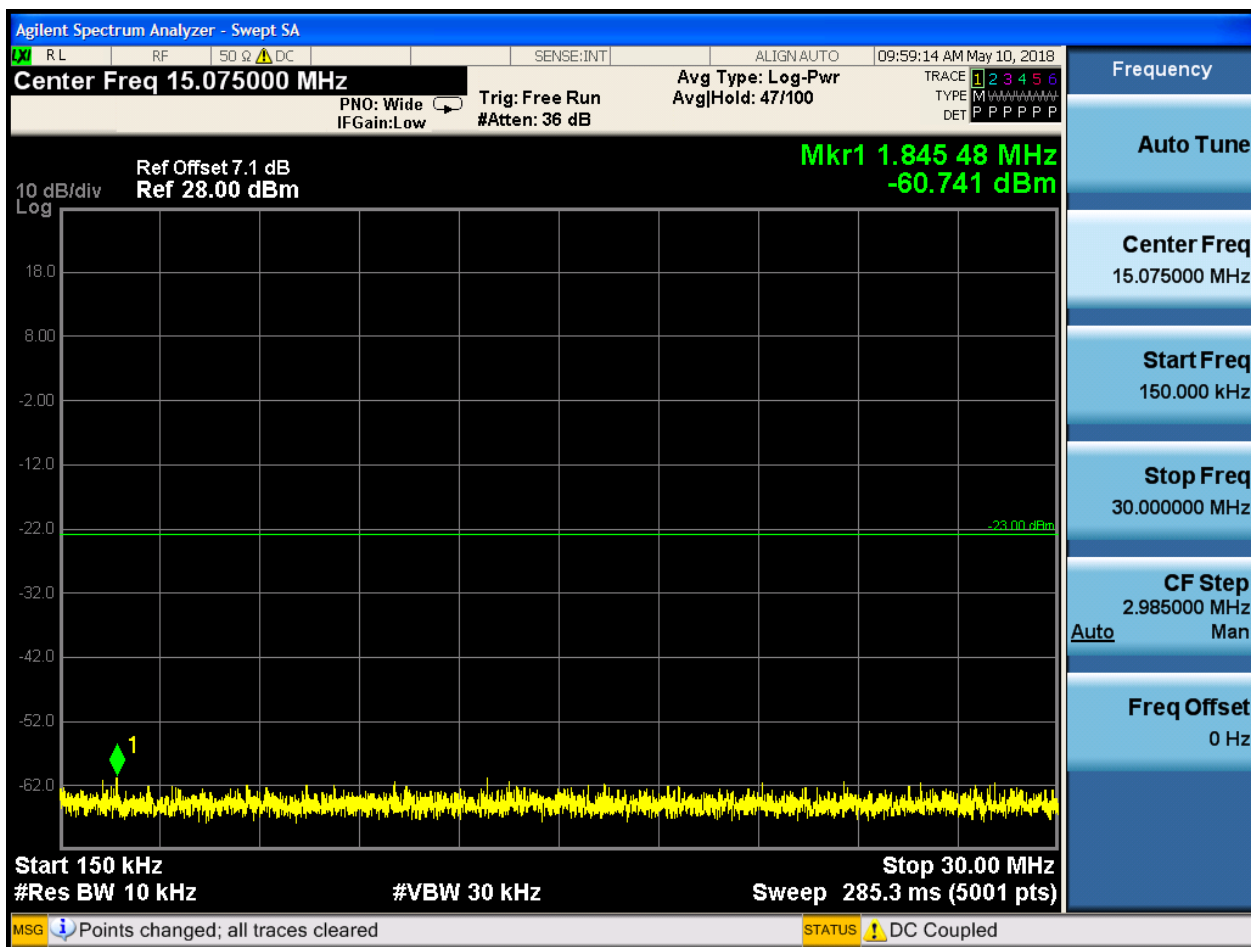


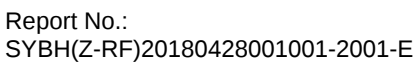
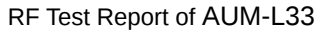
### 6.1.1.2.3 Test Bandwidth = 5

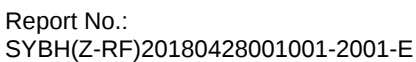
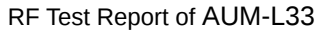
#### 6.1.1.2.3.1 Test Channel = LCH

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



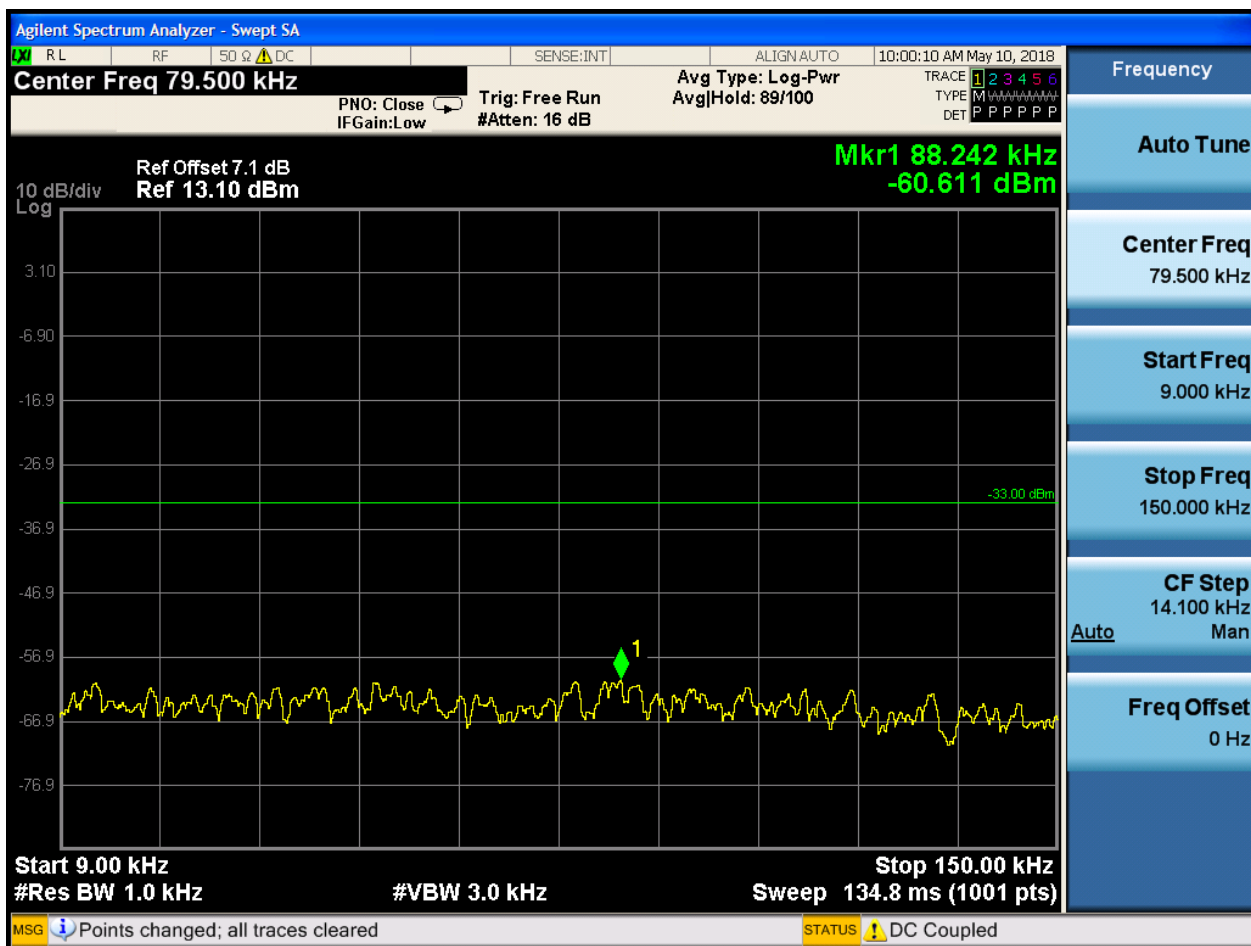


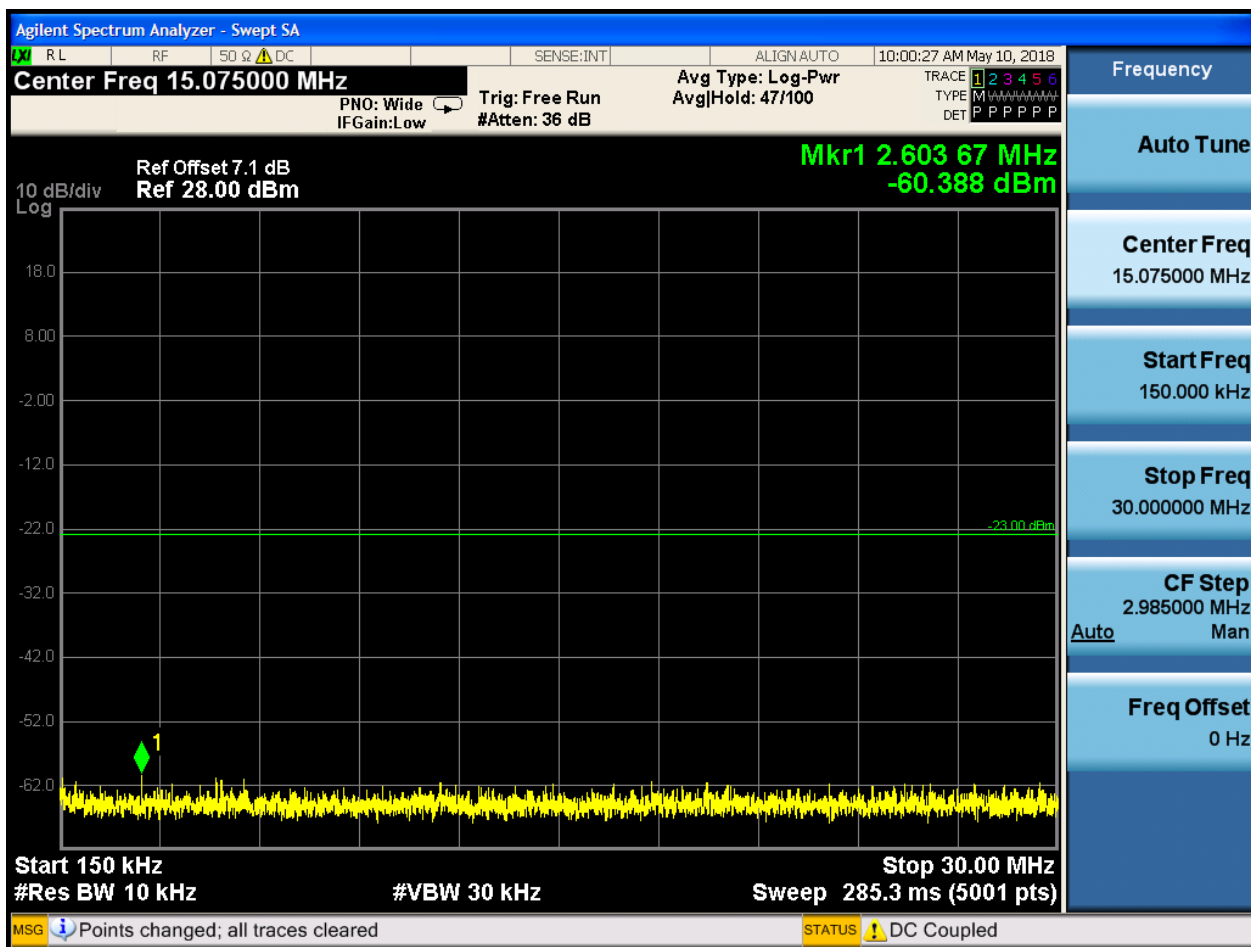


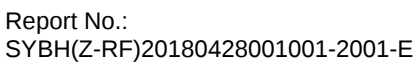
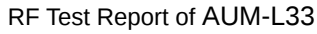


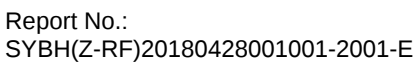
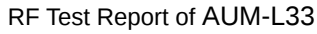
### 6.1.1.2.3.2 Test Channel = MCH

#### 6.1.1.2.3.2.1 Test RB = RB1#0



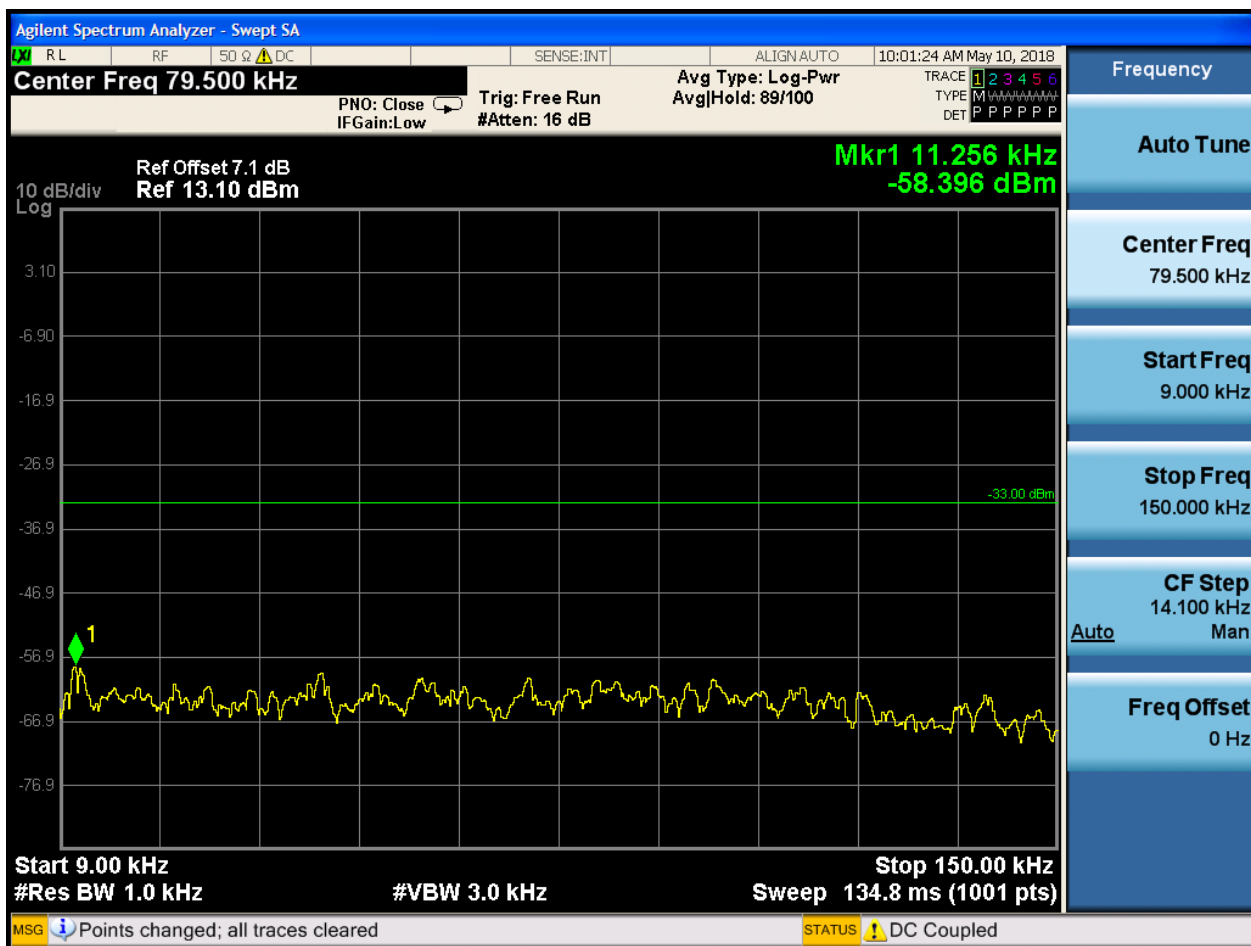


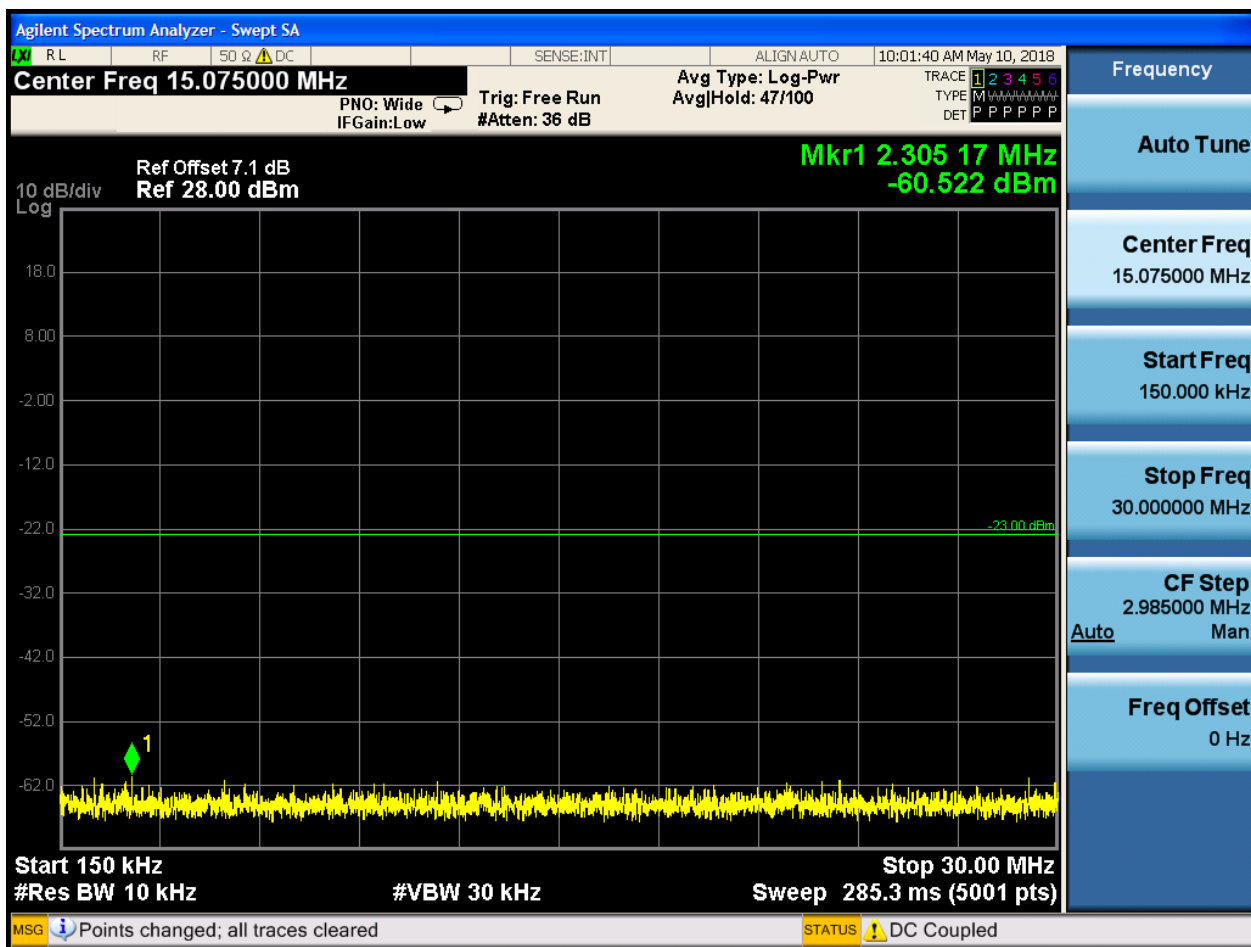


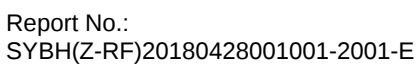
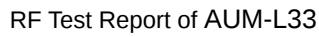


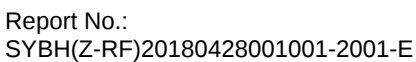
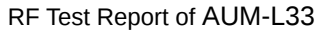
### 6.1.1.2.3.3 Test Channel = HCH

#### 6.1.1.2.3.3.1 Test RB = RB1#0





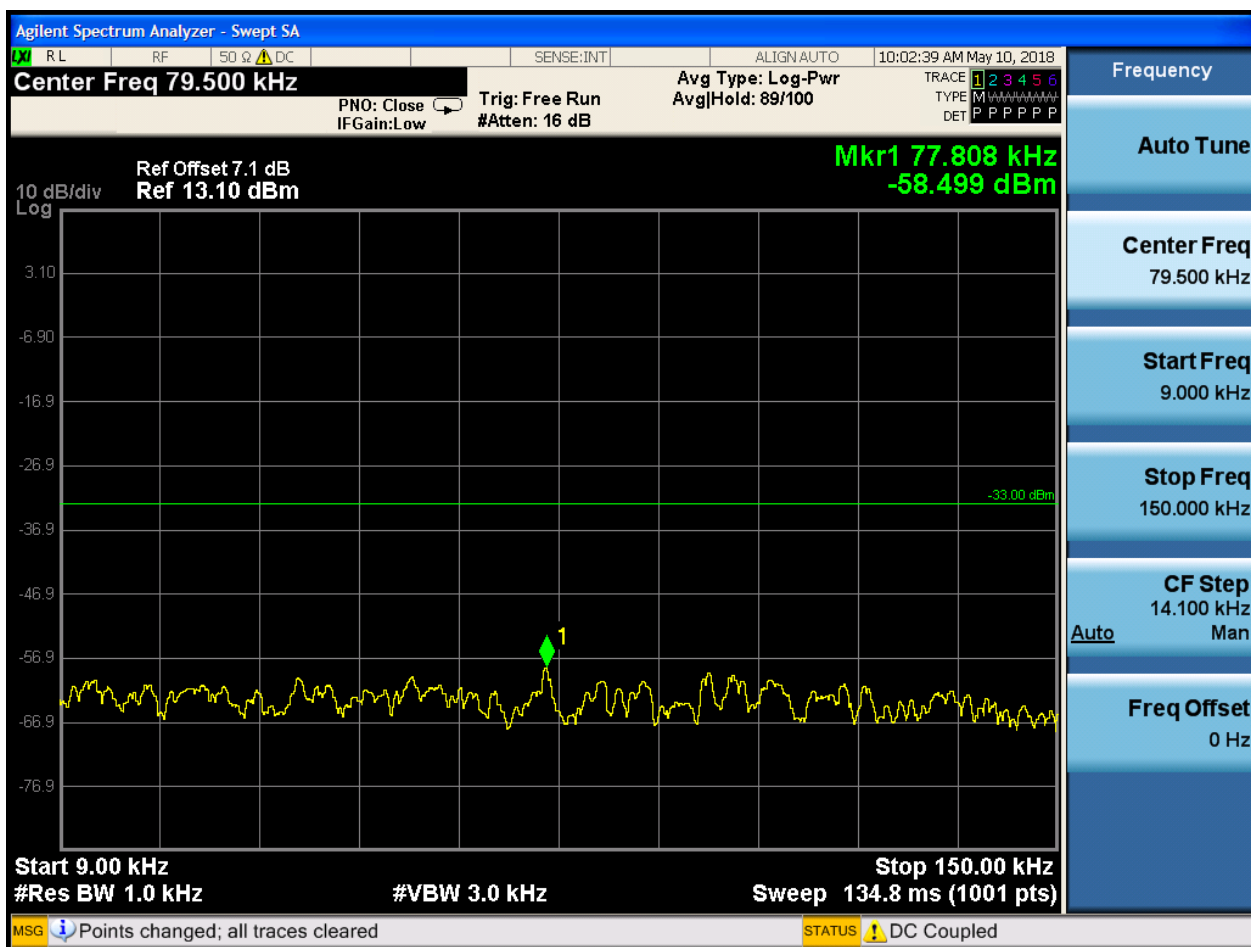


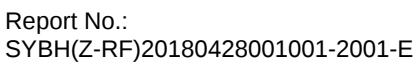
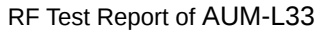


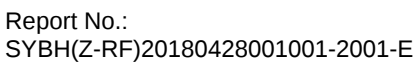
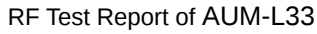
#### 6.1.1.2.4 Test Bandwidth = 10

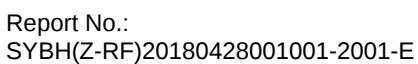
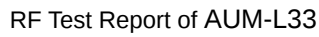
##### 6.1.1.2.4.1 Test Channel = LCH

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



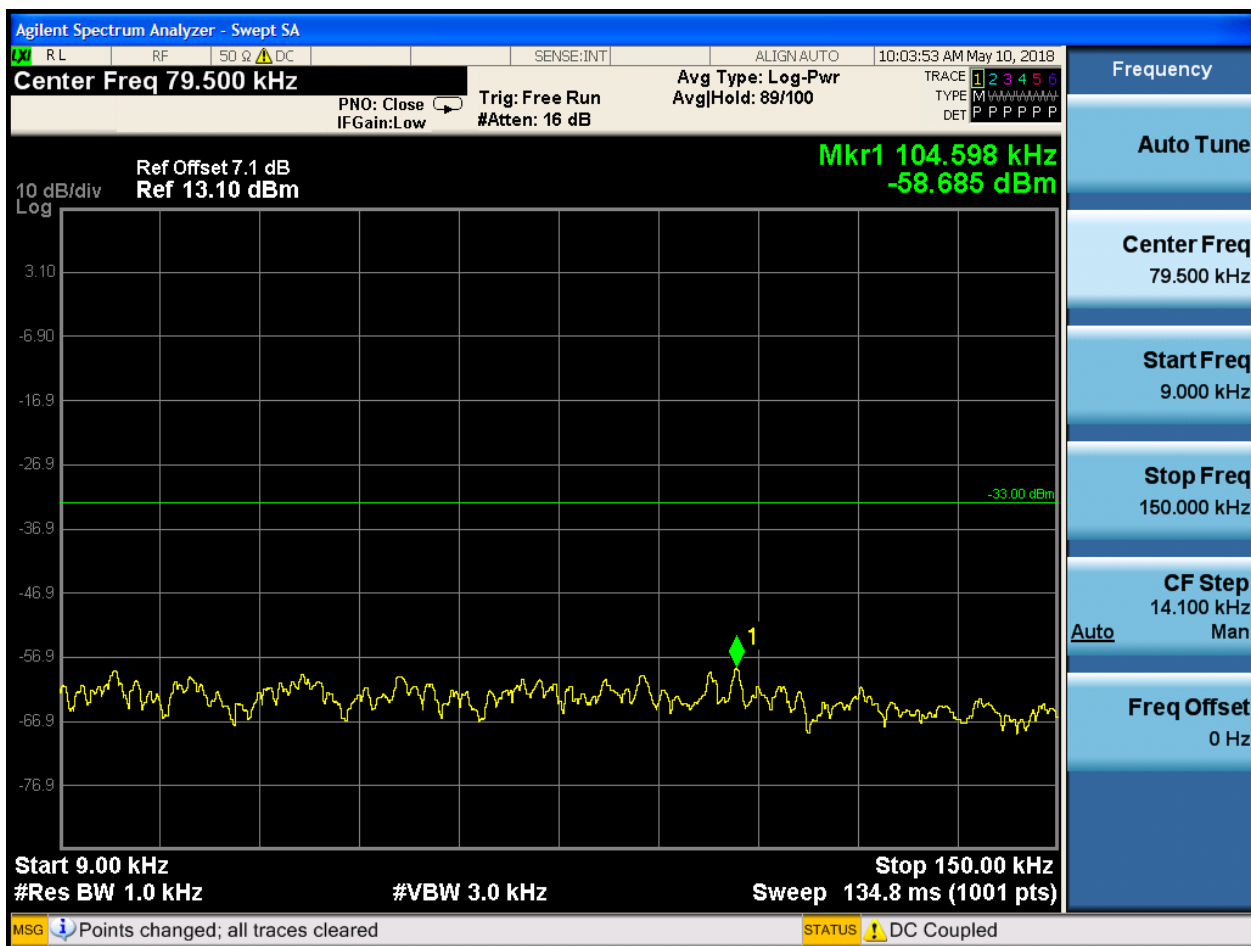


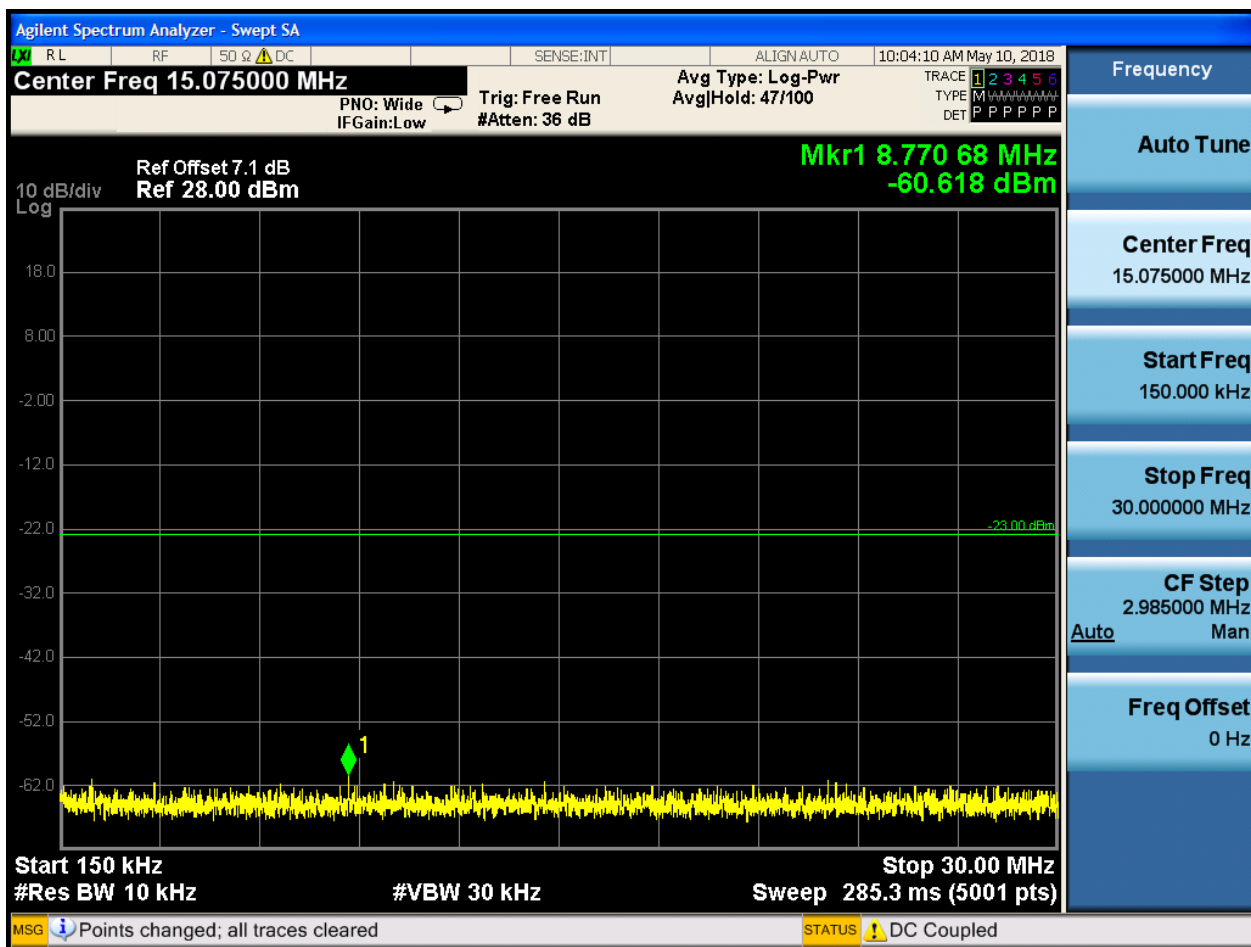


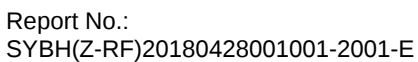
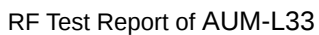


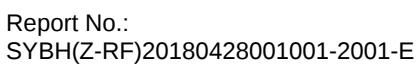
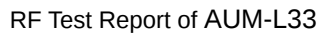
#### 6.1.1.2.4.2 Test Channel = MCH

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



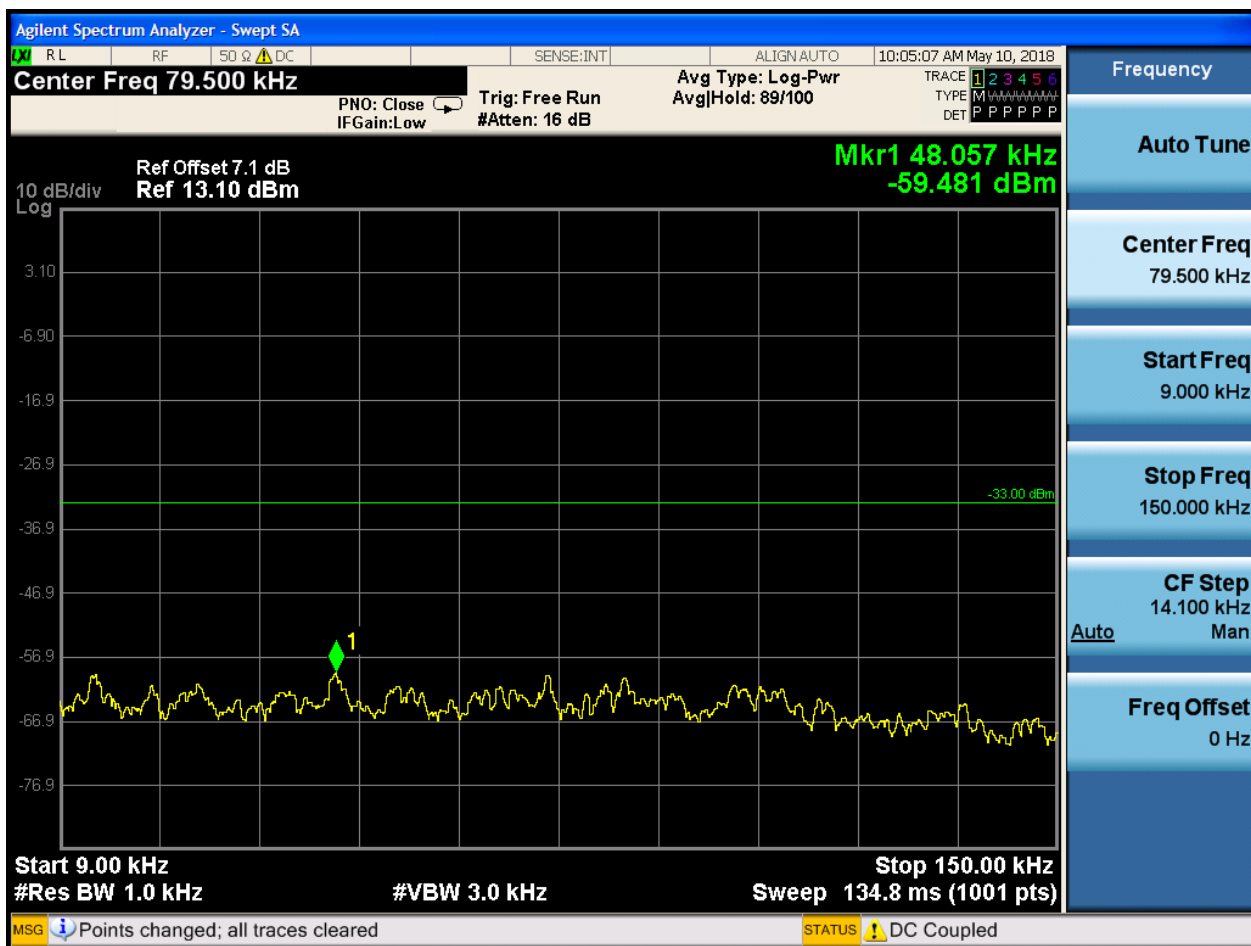


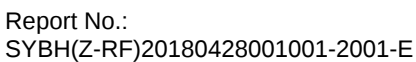
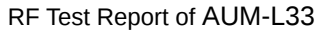


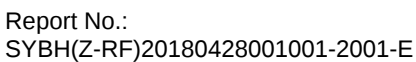
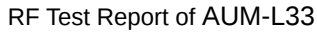


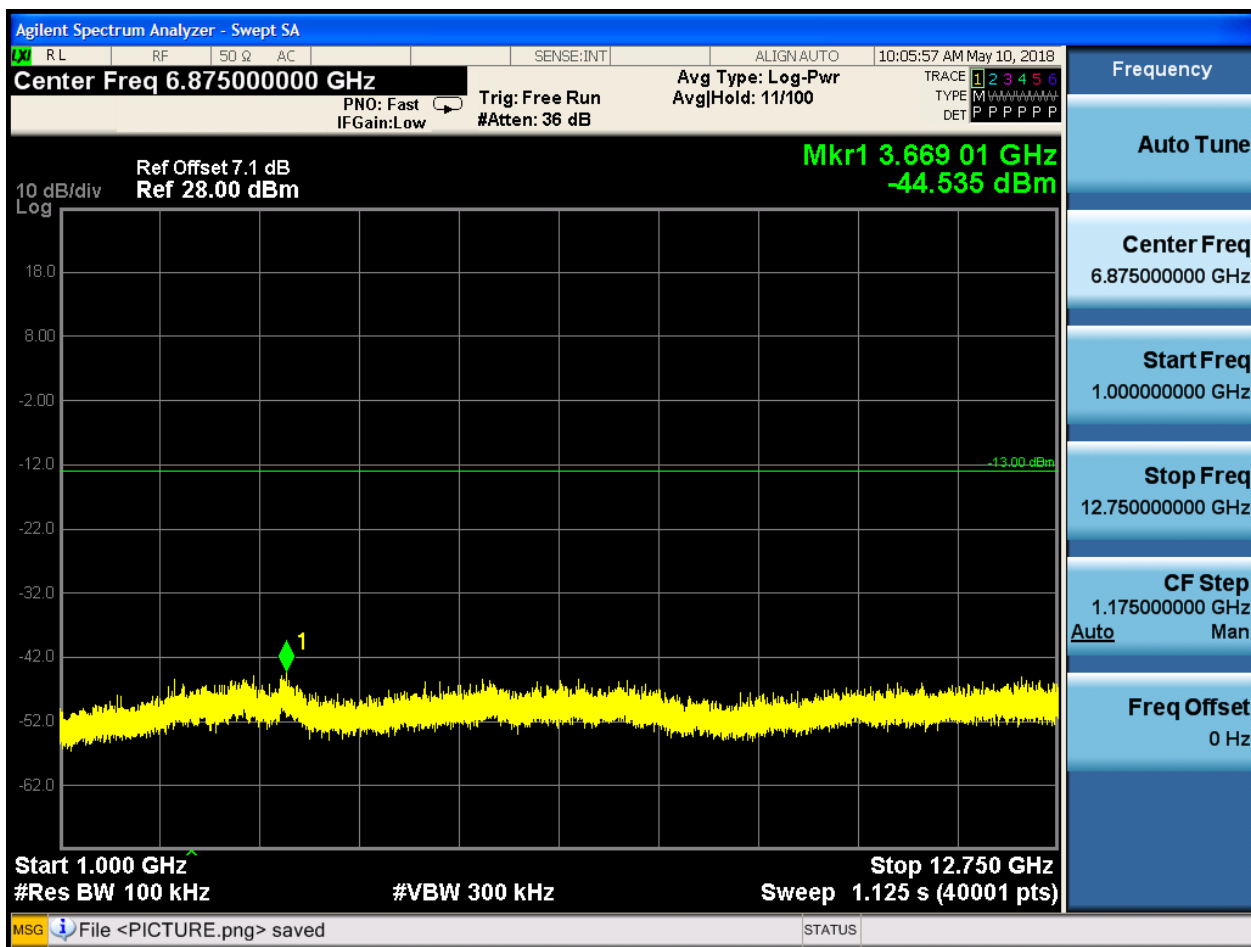
### 6.1.1.2.4.3 Test Channel = HCH

#### 6.1.1.2.4.3.1 Test RB = RB1#0









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

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

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

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

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

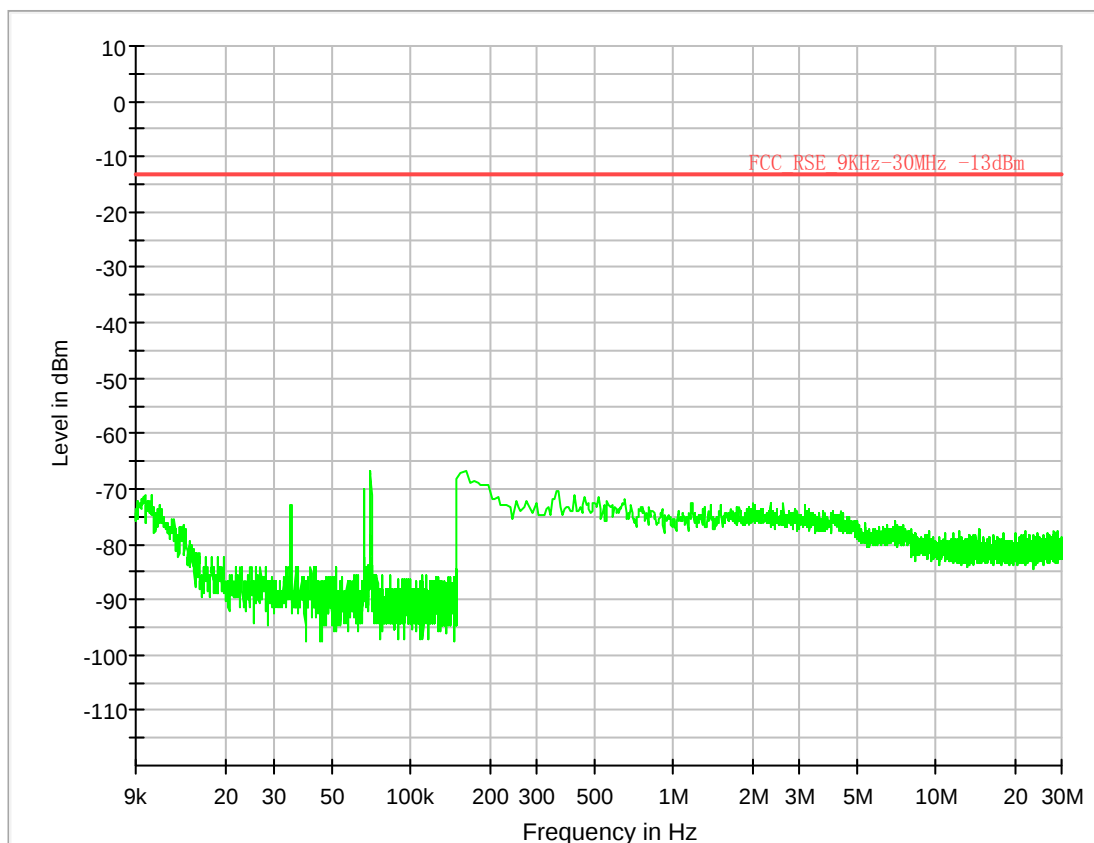
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

## Part I - Test Plots

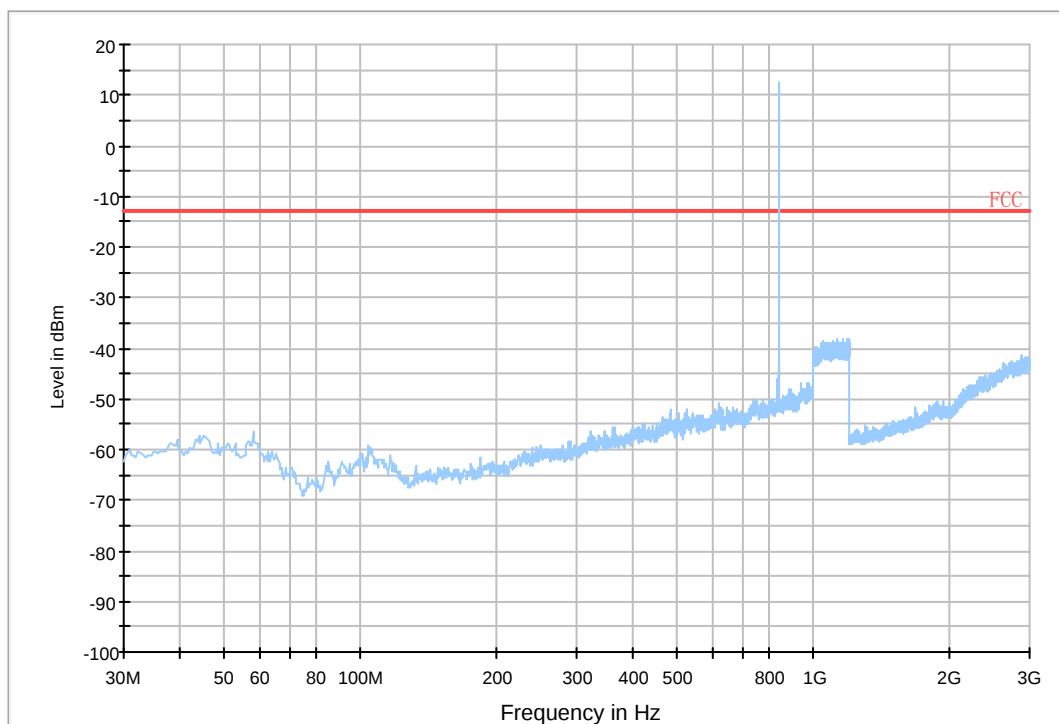
### 7.1 For LTE

#### 7.1.1 Test Band = BAND5

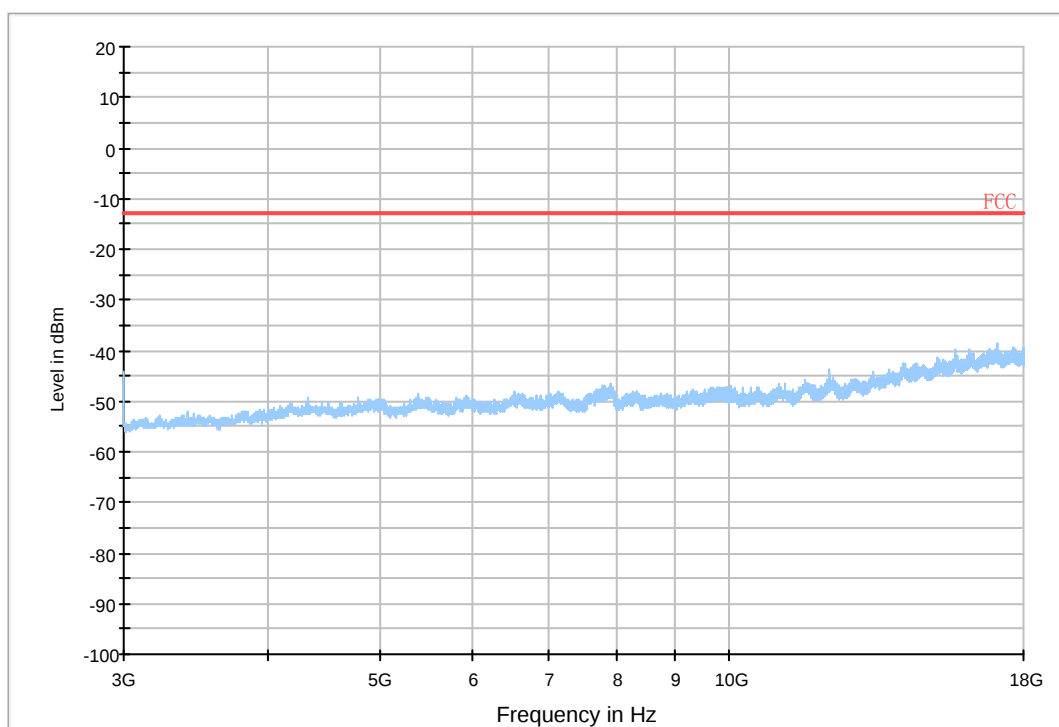
##### 7.1.1.1 Test Bandwidth = 1.4



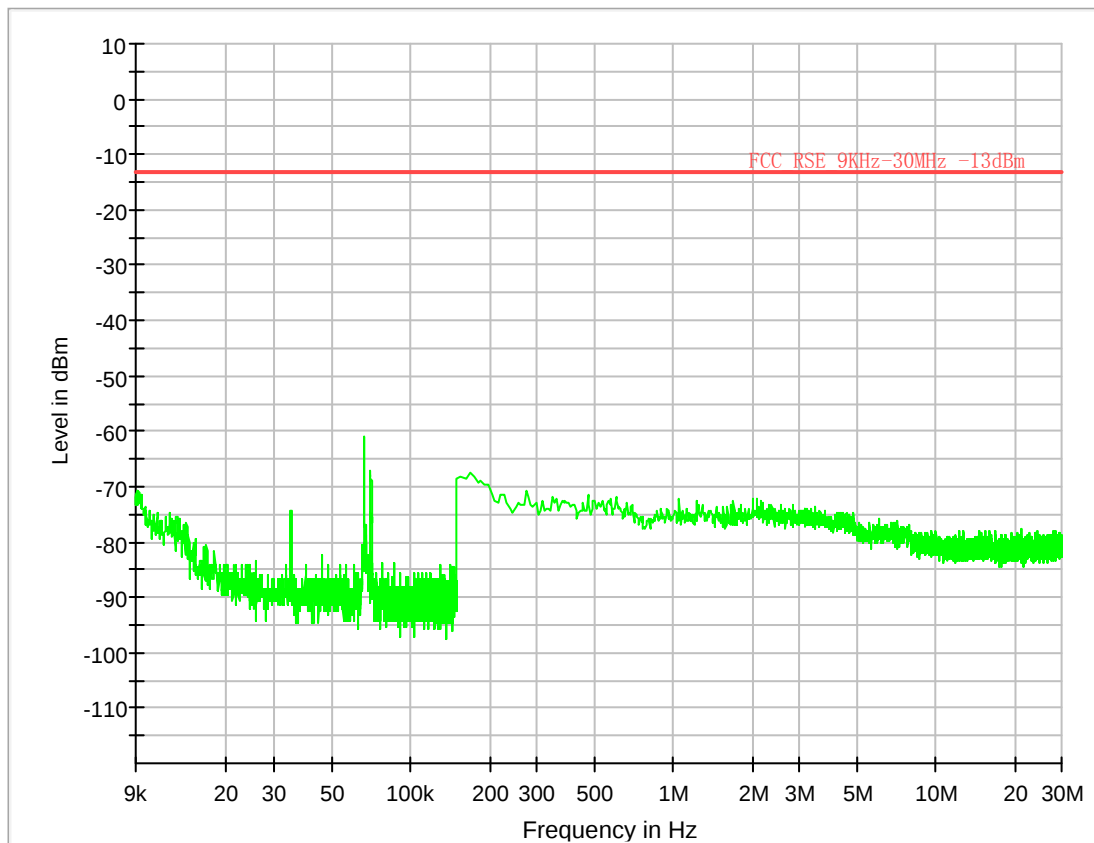
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



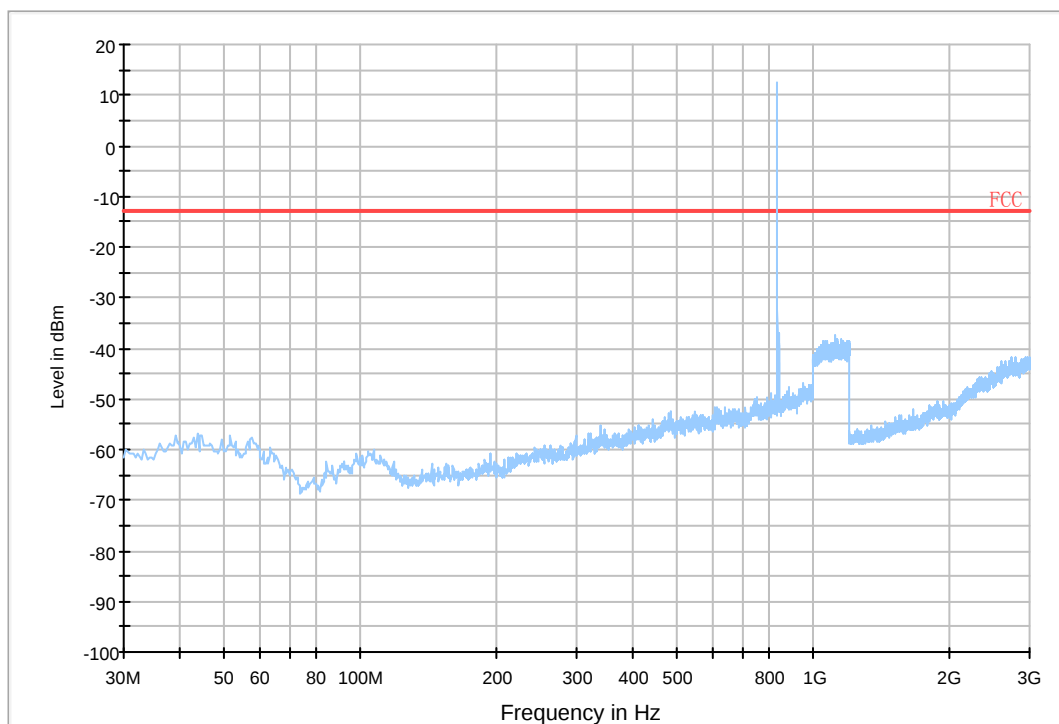
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



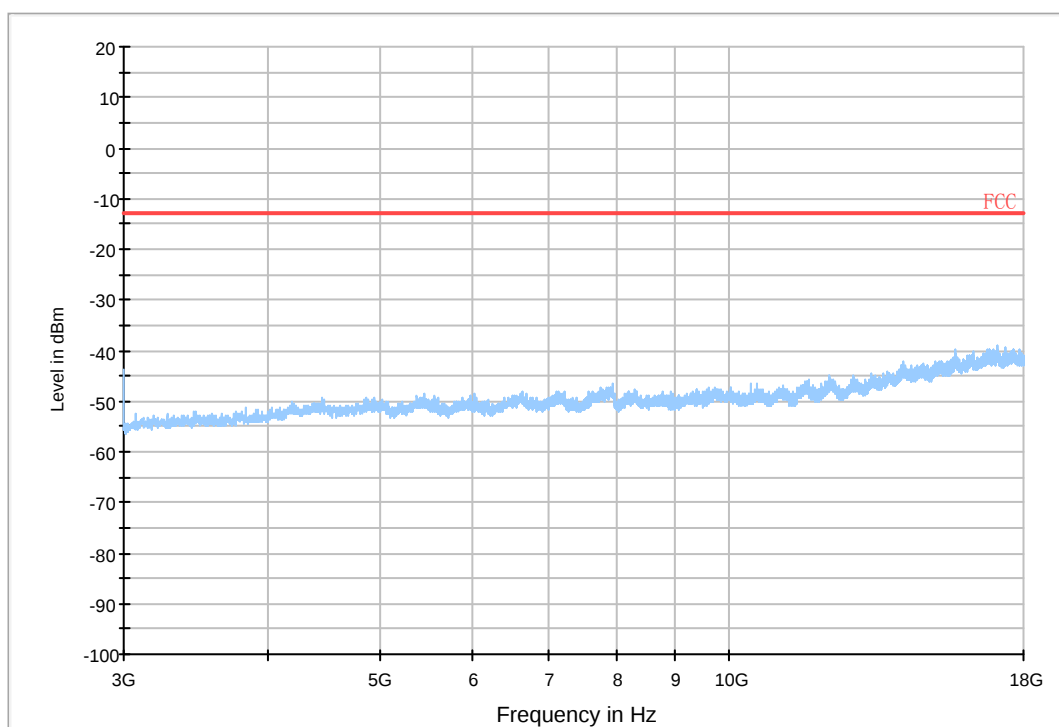
### 7.1.1.2 Test Bandwidth = 5



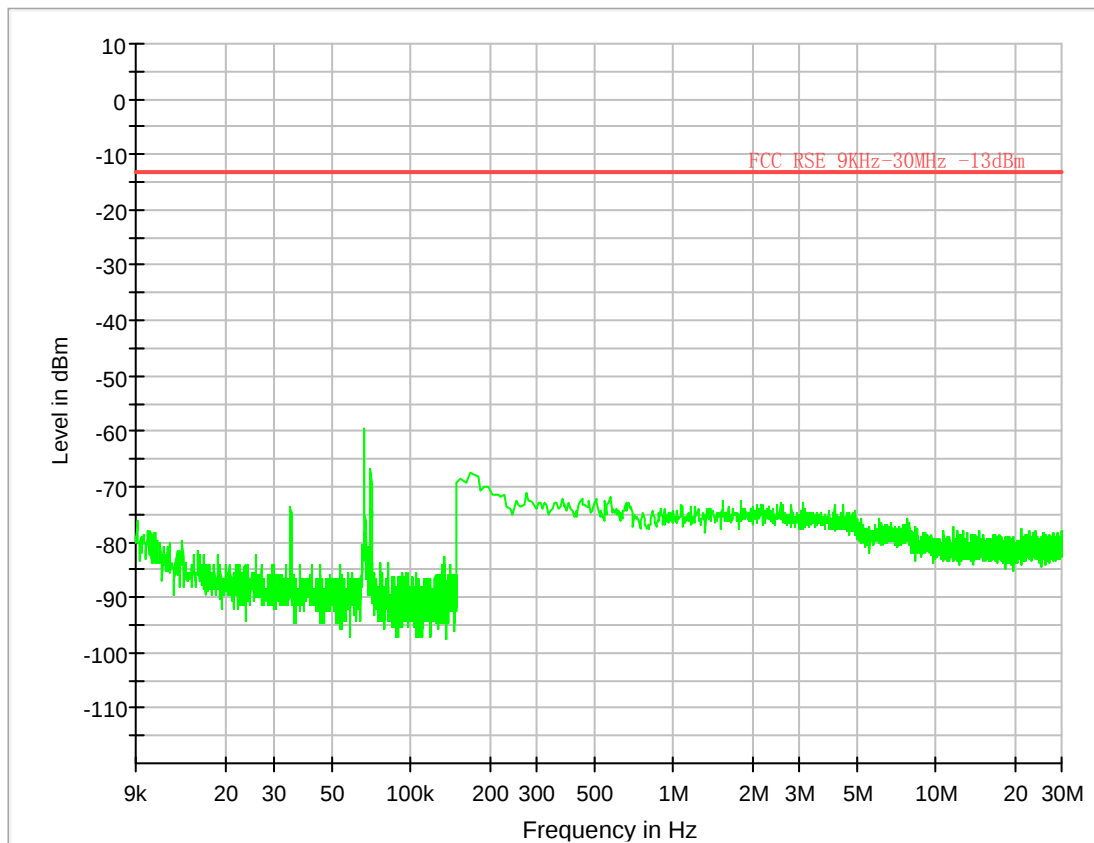
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



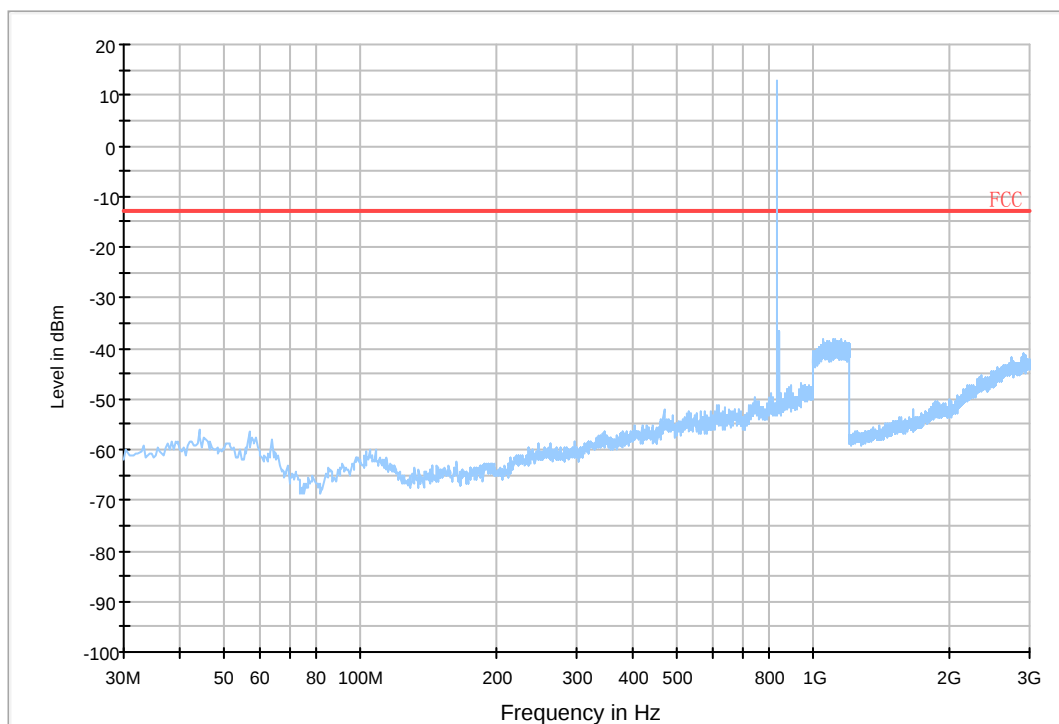
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



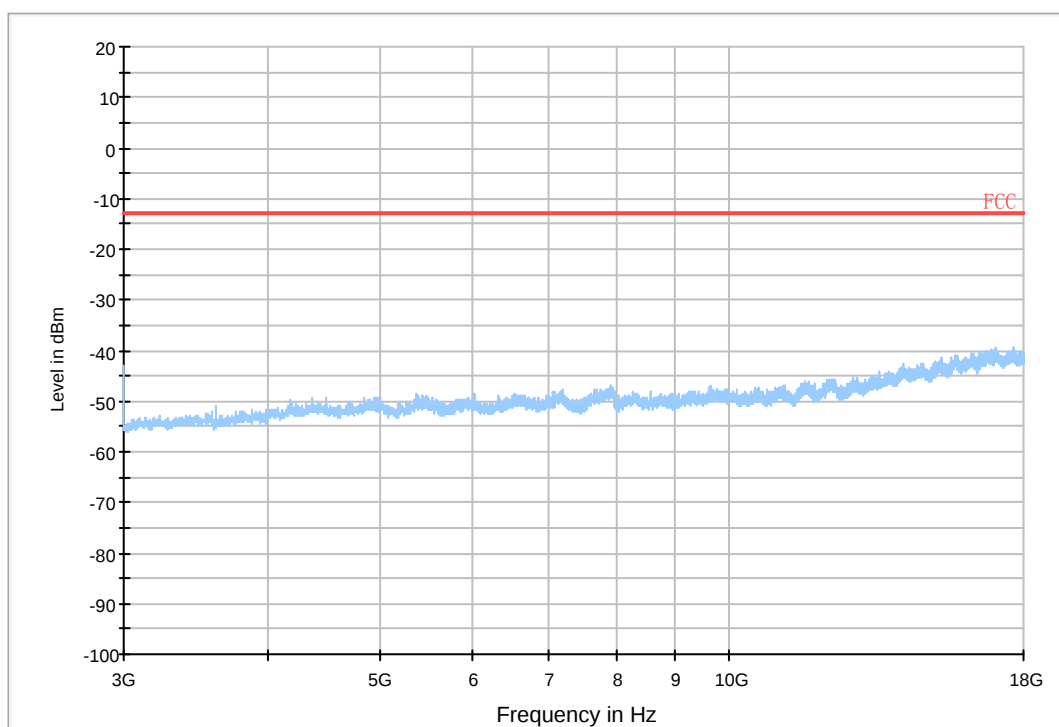
### 7.1.1.3 Test Bandwidth = 10



LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G\_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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND5     | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | -1.36            | -0.00165              | PASS    |
|           |           |                      |              |            | VN         | -1.26            | -0.00153              | PASS    |
|           |           |                      |              |            | VH         | -1.85            | -0.00224              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.87            | -0.00104              | PASS    |
|           |           |                      |              |            | VN         | 0.19             | 0.00023               | PASS    |
|           |           |                      |              |            | VH         | -0.3             | -0.00036              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.42            | -0.00167              | PASS    |
|           |           |                      |              |            | VN         | 0.2              | 0.00024               | PASS    |
|           |           |                      |              |            | VH         | -0.57            | -0.00067              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -0.53            | -0.00064              | PASS    |
|           |           |                      |              |            | VN         | -0.19            | -0.00023              | PASS    |
|           |           |                      |              |            | VH         | 13.75            | 0.01666               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.2              | 0.00024               | PASS    |
|           |           |                      |              |            | VN         | -1.23            | -0.00147              | PASS    |
|           |           |                      |              |            | VH         | 0.57             | 0.00068               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.05            | -0.00242              | PASS    |
|           |           |                      |              |            | VN         | -0.62            | -0.00073              | PASS    |
|           |           |                      |              |            | VH         | -1.72            | -0.00203              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -14.23           | -0.01722              | PASS    |
|           |           |                      |              |            | VN         | -15.99           | -0.01935              | PASS    |
|           |           |                      |              |            | VH         | -1.02            | -0.00123              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.19            | -0.00381              | PASS    |
|           |           |                      |              |            | VN         | -2.23            | -0.00267              | PASS    |
|           |           |                      |              |            | VH         | -2.06            | -0.00246              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.06            | -0.00007              | PASS    |
|           |           |                      |              |            | VN         | 0.07             | 0.00008               | PASS    |
|           |           |                      |              |            | VH         | -0.74            | -0.00087              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -4.96            | -0.00598              | PASS    |
|           |           |                      |              |            | VN         | -1.13            | -0.00136              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | MCH          | TN         | VH         | -5.26            | -0.00634              | PASS    |
|           |           |                      |              |            | VL         | -6.85            | -0.00819              | PASS    |
|           |           |                      |              |            | VN         | -1.27            | -0.00152              | PASS    |
|           |           |                      | HCH          | TN         | VH         | -7.4             | -0.00885              | PASS    |
|           |           |                      |              |            | VL         | -0.63            | -0.00075              | PASS    |
|           |           |                      |              |            | VN         | -0.27            | -0.00032              | PASS    |
|           |           |                      |              |            | VH         | -0.56            | -0.00066              | PASS    |
|           |           | 1.4                  | LCH          | TN         | VL         | -1.04            | -0.00126              | PASS    |
|           |           |                      |              |            | VN         | -1.2             | -0.00146              | PASS    |
|           |           |                      |              |            | VH         | -1.69            | -0.00205              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.41            | -0.00049              | PASS    |
|           |           |                      |              |            | VN         | -0.69            | -0.00082              | PASS    |
|           |           |                      |              |            | VH         | -0.73            | -0.00087              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.32            | -0.00156              | PASS    |
|           |           |                      |              |            | VN         | 0.79             | 0.00093               | PASS    |
|           |           |                      |              |            | VH         | 0.39             | 0.00046               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -0.19            | -0.00023              | PASS    |
|           |           |                      |              |            | VN         | 11.52            | 0.01396               | PASS    |
|           |           |                      |              |            | VH         | -0.72            | -0.00087              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.24            | -0.00148              | PASS    |
|           |           |                      |              |            | VN         | -1.22            | -0.00146              | PASS    |
|           |           |                      |              |            | VH         | -0.59            | -0.00071              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.56            | -0.00302              | PASS    |
|           |           |                      |              |            | VN         | -2.5             | -0.00295              | PASS    |
|           |           |                      |              |            | VH         | -2.12            | -0.0025               | PASS    |
|           | LTE/TM2   | 5                    | LCH          | TN         | VL         | -0.39            | -0.00047              | PASS    |
|           |           |                      |              |            | VN         | -0.31            | -0.00038              | PASS    |
|           |           |                      |              |            | VH         | -0.74            | -0.0009               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.49            | -0.00537              | PASS    |
|           |           |                      |              |            | VN         | -3.71            | -0.00444              | PASS    |
|           |           |                      |              |            | VH         | -2.95            | -0.00353              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.9             | -0.00106              | PASS    |
|           |           |                      |              |            | VN         | -0.1             | -0.00012              | PASS    |
|           |           |                      |              |            | VH         | 0.36             | 0.00043               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -6.68            | -0.00806              | PASS    |
|           |           |                      |              |            | VN         | -10.37           | -0.01251              | PASS    |
|           |           |                      |              |            | VH         | -7.05            | -0.0085               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.9             | -0.00227              | PASS    |
|           |           |                      |              |            | VN         | 2.88             | 0.00344               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | TN         | VH         | -3.35            | -0.004                | PASS    |
|           |           |                      |              |            | VL         | -0.33            | -0.00039              | PASS    |
|           |           |                      |              |            | VN         | -0.09            | -0.00011              | PASS    |
|           |           |                      |              |            | VH         | -0.79            | -0.00094              | 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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND5     | LTE/TM1   | 1.4                  | LCH          | VN         | -30        | -1.89            | -0.00229              | PASS    |
|           |           |                      |              |            | -20        | -0.41            | -0.0005               | PASS    |
|           |           |                      |              |            | -10        | -1.85            | -0.00224              | PASS    |
|           |           |                      |              |            | 0          | -1.69            | -0.00205              | PASS    |
|           |           |                      |              |            | 10         | -1.14            | -0.00138              | PASS    |
|           |           |                      |              |            | 20         | -1.27            | -0.00154              | PASS    |
|           |           |                      |              |            | 30         | -2.03            | -0.00246              | PASS    |
|           |           |                      |              |            | 40         | -1.82            | -0.00221              | PASS    |
|           |           |                      |              |            | 50         | -0.73            | -0.00089              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.85            | -0.00221              | PASS    |
|           |           |                      |              |            | -20        | -1.04            | -0.00124              | PASS    |
|           |           |                      |              |            | -10        | -1.27            | -0.00152              | PASS    |
|           |           |                      |              |            | 0          | -1.17            | -0.0014               | PASS    |
|           |           |                      |              |            | 10         | -0.87            | -0.00104              | PASS    |
|           |           |                      |              |            | 20         | -0.09            | -0.00011              | PASS    |
|           |           |                      |              |            | 30         | 0                | 0                     | PASS    |
|           |           |                      |              |            | 40         | -0.99            | -0.00118              | PASS    |
|           |           |                      |              |            | 50         | -2.26            | -0.0027               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.51            | -0.0006               | PASS    |
|           |           |                      |              |            | -20        | 0.53             | 0.00062               | PASS    |
|           |           |                      |              |            | -10        | -1.87            | -0.0022               | PASS    |
|           |           |                      |              |            | 0          | -0.19            | -0.00022              | PASS    |
|           |           |                      |              |            | 10         | -0.43            | -0.00051              | PASS    |
|           |           |                      |              |            | 20         | 2.13             | 0.00251               | PASS    |
|           |           |                      |              |            | 30         | -0.17            | -0.0002               | PASS    |
|           |           |                      |              |            | 40         | 1.44             | 0.0017                | PASS    |
|           |           |                      |              |            | 50         | 0.26             | 0.00031               | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | -13.5            | -0.01635              | PASS    |
|           |           |                      |              |            | -20        | 0.96             | 0.00116               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -10        | 0.73             | 0.00088               | PASS    |
|           |           |                      |              |            | 0          | 1.24             | 0.0015                | PASS    |
|           |           |                      |              |            | 10         | 0.2              | 0.00024               | PASS    |
|           |           |                      |              |            | 20         | -5.38            | -0.00652              | PASS    |
|           |           |                      |              |            | 30         | 0.96             | 0.00116               | PASS    |
|           |           |                      |              |            | 40         | 0.94             | 0.00114               | PASS    |
|           |           |                      |              |            | 50         | 0.7              | 0.00085               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -0.94            | -0.00112              | PASS    |
|           |           |                      |              |            | -20        | -2.1             | -0.00251              | PASS    |
|           |           |                      |              |            | -10        | -1.42            | -0.0017               | PASS    |
|           |           |                      |              |            | 0          | -1.34            | -0.0016               | PASS    |
|           |           |                      |              |            | 10         | -2               | -0.00239              | PASS    |
|           |           |                      |              |            | 20         | 0.57             | 0.00068               | PASS    |
|           |           |                      |              |            | 30         | -0.51            | -0.00061              | PASS    |
|           |           |                      |              |            | 40         | -0.79            | -0.00094              | PASS    |
|           |           |                      |              |            | 50         | -0.06            | -0.00007              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.99            | -0.00235              | PASS    |
|           |           |                      |              |            | -20        | -1.24            | -0.00146              | PASS    |
|           |           |                      |              |            | -10        | -1.26            | -0.00149              | PASS    |
|           |           |                      |              |            | 0          | -1.56            | -0.00184              | PASS    |
|           |           |                      |              |            | 10         | -1.92            | -0.00227              | PASS    |
|           |           |                      |              |            | 20         | -0.1             | -0.00012              | PASS    |
|           |           |                      |              |            | 30         | -1.12            | -0.00132              | PASS    |
|           |           |                      |              |            | 40         | -1.1             | -0.0013               | PASS    |
|           |           |                      |              |            | 50         | -1.13            | -0.00133              | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -5.06            | -0.00612              | PASS    |
|           |           |                      |              |            | -20        | -11.4            | -0.01379              | PASS    |
|           |           |                      |              |            | -10        | -4.52            | -0.00547              | PASS    |
|           |           |                      |              |            | 0          | -10.51           | -0.01272              | PASS    |
|           |           |                      |              |            | 10         | -11              | -0.01331              | PASS    |
|           |           |                      |              |            | 20         | -3.5             | -0.00423              | PASS    |
|           |           |                      |              |            | 30         | -1.79            | -0.00217              | PASS    |
|           |           |                      |              |            | 40         | -10.73           | -0.01298              | PASS    |
|           |           |                      |              |            | 50         | -6.48            | -0.00784              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.22            | -0.00385              | PASS    |
|           |           |                      |              |            | -20        | -1.56            | -0.00186              | PASS    |
|           |           |                      |              |            | -10        | -7               | -0.00837              | PASS    |
|           |           |                      |              |            | 0          | -2.73            | -0.00326              | PASS    |
|           |           |                      |              |            | 10         | -2.4             | -0.00287              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20         | -4.82            | -0.00576              | PASS    |
|           |           |                      |              |            | 30         | -1.79            | -0.00214              | PASS    |
|           |           |                      |              |            | 40         | -0.94            | -0.00112              | PASS    |
|           |           |                      |              |            | 50         | -2.09            | -0.0025               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.24            | -0.00028              | PASS    |
|           |           |                      |              |            | -20        | 0.76             | 0.0009                | PASS    |
|           |           |                      |              |            | -10        | 0.4              | 0.00047               | PASS    |
|           |           |                      |              |            | 0          | -2.45            | -0.00289              | PASS    |
|           |           |                      |              |            | 10         | -1.8             | -0.00213              | PASS    |
|           |           |                      |              |            | 20         | -1.63            | -0.00193              | PASS    |
|           |           |                      |              |            | 30         | -0.56            | -0.00066              | PASS    |
|           |           |                      |              |            | 40         | -2.45            | -0.00289              | PASS    |
|           |           |                      |              |            | 50         | -0.92            | -0.00109              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -11.54           | -0.01392              | PASS    |
|           |           |                      |              |            | -20        | 0.73             | 0.00088               | PASS    |
|           |           |                      |              |            | -10        | -4.51            | -0.00544              | PASS    |
|           |           |                      |              |            | 0          | -9.5             | -0.01146              | PASS    |
|           |           |                      |              |            | 10         | -5.19            | -0.00626              | PASS    |
|           |           |                      |              |            | 20         | 11.6             | 0.01399               | PASS    |
|           |           |                      |              |            | 30         | -1.93            | -0.00233              | PASS    |
|           |           |                      |              |            | 40         | -4.99            | -0.00602              | PASS    |
|           |           |                      |              |            | 50         | -2.37            | -0.00286              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -5.56            | -0.00665              | PASS    |
|           |           |                      |              |            | -20        | -4.31            | -0.00515              | PASS    |
|           |           |                      |              |            | -10        | -6.69            | -0.008                | PASS    |
|           |           |                      |              |            | 0          | -2.53            | -0.00302              | PASS    |
|           |           |                      |              |            | 10         | -0.54            | -0.00065              | PASS    |
|           |           |                      |              |            | 20         | -6.29            | -0.00752              | PASS    |
|           |           |                      |              |            | 30         | -7.14            | -0.00854              | PASS    |
|           |           |                      |              |            | 40         | -3               | -0.00359              | PASS    |
|           |           |                      |              |            | 50         | -2.6             | -0.00311              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.84            | -0.001                | PASS    |
|           |           |                      |              |            | -20        | 0.07             | 0.00008               | PASS    |
|           |           |                      |              |            | -10        | -2.6             | -0.00308              | PASS    |
|           |           |                      |              |            | 0          | 0.13             | 0.00015               | PASS    |
|           |           |                      |              |            | 10         | -5.09            | -0.00603              | PASS    |
|           |           |                      |              |            | 20         | -1.02            | -0.00121              | PASS    |
|           |           |                      |              |            | 30         | -1.39            | -0.00165              | PASS    |
|           |           |                      |              |            | 40         | -2.09            | -0.00248              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           | LTE/TM2   | 1.4                  | LCH          | VN         | 50         | -0.37            | -0.00044              | PASS    |
|           |           |                      |              |            | -30        | -0.77            | -0.00093              | PASS    |
|           |           |                      |              |            | -20        | -1.16            | -0.00141              | PASS    |
|           |           |                      |              |            | -10        | -1.97            | -0.00239              | PASS    |
|           |           |                      |              |            | 0          | -1.42            | -0.00172              | PASS    |
|           |           |                      |              |            | 10         | -1.33            | -0.00161              | PASS    |
|           |           |                      |              |            | 20         | -1.43            | -0.00173              | PASS    |
|           |           |                      |              |            | 30         | -1.2             | -0.00146              | PASS    |
|           |           |                      |              |            | 40         | -1.87            | -0.00227              | PASS    |
|           |           |                      |              |            | 50         | -1.75            | -0.00212              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.99            | -0.00238              | PASS    |
|           |           |                      |              |            | -20        | -0.36            | -0.00043              | PASS    |
|           |           |                      |              |            | -10        | -0.43            | -0.00051              | PASS    |
|           |           |                      |              |            | 0          | -0.2             | -0.00024              | PASS    |
|           |           |                      |              |            | 10         | -0.87            | -0.00104              | PASS    |
|           |           |                      |              |            | 20         | -1.32            | -0.00158              | PASS    |
|           |           |                      |              |            | 30         | -1.62            | -0.00194              | PASS    |
|           |           |                      |              |            | 40         | -0.23            | -0.00027              | PASS    |
|           |           |                      |              |            | 50         | -1.82            | -0.00218              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.5              | 0.00059               | PASS    |
|           |           |                      |              |            | -20        | -1.56            | -0.00184              | PASS    |
|           |           |                      |              |            | -10        | 1.23             | 0.00145               | PASS    |
|           |           |                      |              |            | 0          | 1.19             | 0.0014                | PASS    |
|           |           |                      |              |            | 10         | -1.97            | -0.00232              | PASS    |
|           |           |                      |              |            | 20         | -4.25            | -0.00501              | PASS    |
|           |           |                      |              |            | 30         | 0.93             | 0.0011                | PASS    |
|           |           |                      |              |            | 40         | -3.43            | -0.00404              | PASS    |
|           |           |                      |              |            | 50         | -7.38            | -0.0087               | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | 15.88            | 0.01924               | PASS    |
|           |           |                      |              |            | -20        | 15.94            | 0.01931               | PASS    |
|           |           |                      |              |            | -10        | -0.8             | -0.00097              | PASS    |
|           |           |                      |              |            | 0          | -0.96            | -0.00116              | PASS    |
|           |           |                      |              |            | 10         | -0.51            | -0.00062              | PASS    |
|           |           |                      |              |            | 20         | -0.3             | -0.00036              | PASS    |
|           |           |                      |              |            | 30         | -0.07            | -0.00008              | PASS    |
|           |           |                      |              |            | 40         | 43.42            | 0.0526                | PASS    |
|           |           |                      |              |            | 50         | 7.45             | 0.00902               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -0.56            | -0.00067              | PASS    |
|           |           |                      |              |            | -20        | -1.07            | -0.00128              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -10        | -1.27            | -0.00152              | PASS    |
|           |           |                      |              |            | 0          | -2.32            | -0.00277              | PASS    |
|           |           |                      |              |            | 10         | -1.32            | -0.00158              | PASS    |
|           |           |                      |              |            | 20         | -1.37            | -0.00164              | PASS    |
|           |           |                      |              |            | 30         | -0.64            | -0.00077              | PASS    |
|           |           |                      |              |            | 40         | -1.4             | -0.00167              | PASS    |
|           |           |                      |              |            | 50         | -0.24            | -0.00029              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.77            | -0.00209              | PASS    |
|           |           |                      |              |            | -20        | -1.93            | -0.00228              | PASS    |
|           |           |                      |              |            | -10        | -2.9             | -0.00342              | PASS    |
|           |           |                      |              |            | 0          | -1.12            | -0.00132              | PASS    |
|           |           |                      |              |            | 10         | -0.59            | -0.0007               | PASS    |
|           |           |                      |              |            | 20         | -1               | -0.00118              | PASS    |
|           |           |                      |              |            | 30         | -0.4             | -0.00047              | PASS    |
|           |           |                      |              |            | 40         | -1.5             | -0.00177              | PASS    |
|           |           |                      |              |            | 50         | -1.03            | -0.00122              | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -4.12            | -0.00498              | PASS    |
|           |           |                      |              |            | -20        | -2.83            | -0.00342              | PASS    |
|           |           |                      |              |            | -10        | -6.21            | -0.00751              | PASS    |
|           |           |                      |              |            | 0          | -14.61           | -0.01768              | PASS    |
|           |           |                      |              |            | 10         | -6.81            | -0.00824              | PASS    |
|           |           |                      |              |            | 20         | -0.69            | -0.00083              | PASS    |
|           |           |                      |              |            | 30         | -4.19            | -0.00507              | PASS    |
|           |           |                      |              |            | 40         | -6.42            | -0.00777              | PASS    |
|           |           |                      |              |            | 50         | -3.39            | -0.0041               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.39            | -0.00286              | PASS    |
|           |           |                      |              |            | -20        | -2.62            | -0.00313              | PASS    |
|           |           |                      |              |            | -10        | -2.07            | -0.00247              | PASS    |
|           |           |                      |              |            | 0          | -2.85            | -0.00341              | PASS    |
|           |           |                      |              |            | 10         | -2.03            | -0.00243              | PASS    |
|           |           |                      |              |            | 20         | -2.05            | -0.00245              | PASS    |
|           |           |                      |              |            | 30         | -3               | -0.00359              | PASS    |
|           |           |                      |              |            | 40         | -2.26            | -0.0027               | PASS    |
|           |           |                      |              |            | 50         | -3.03            | -0.00362              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.16            | -0.00137              | PASS    |
|           |           |                      |              |            | -20        | -2.13            | -0.00252              | PASS    |
|           |           |                      |              |            | -10        | 0.01             | 0.00001               | PASS    |
|           |           |                      |              |            | 0          | -0.16            | -0.00019              | PASS    |
|           |           |                      |              |            | 10         | -0.87            | -0.00103              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20         | -0.13            | -0.00015              | PASS    |
|           |           |                      |              |            | 30         | 0                | 0                     | PASS    |
|           |           |                      |              |            | 40         | -0.5             | -0.00059              | PASS    |
|           |           |                      |              |            | 50         | -0.03            | -0.00004              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | 0.51             | 0.00062               | PASS    |
|           |           |                      |              |            | -20        | 3.5              | 0.00422               | PASS    |
|           |           |                      |              |            | -10        | 6.09             | 0.00735               | PASS    |
|           |           |                      |              |            | 0          | 4.11             | 0.00496               | PASS    |
|           |           |                      |              |            | 10         | -6.84            | -0.00825              | PASS    |
|           |           |                      |              |            | 20         | -3.81            | -0.0046               | PASS    |
|           |           |                      |              |            | 30         | -7.07            | -0.00853              | PASS    |
|           |           |                      |              |            | 40         | -4.35            | -0.00525              | PASS    |
|           |           |                      |              |            | 50         | -1.34            | -0.00162              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -0.53            | -0.00063              | PASS    |
|           |           |                      |              |            | -20        | 0.2              | 0.00024               | PASS    |
|           |           |                      |              |            | -10        | -4.89            | -0.00585              | PASS    |
|           |           |                      |              |            | 0          | -7.48            | -0.00894              | PASS    |
|           |           |                      |              |            | 10         | -0.4             | -0.00048              | PASS    |
|           |           |                      |              |            | 20         | -4.65            | -0.00556              | PASS    |
|           |           |                      |              |            | 30         | -4.66            | -0.00557              | PASS    |
|           |           |                      |              |            | 40         | -2.52            | -0.00301              | PASS    |
|           |           |                      |              |            | 50         | -5.39            | -0.00644              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.13            | -0.00015              | PASS    |
|           |           |                      |              |            | -20        | -0.16            | -0.00019              | PASS    |
|           |           |                      |              |            | -10        | -1.24            | -0.00147              | PASS    |
|           |           |                      |              |            | 0          | -1.36            | -0.00161              | PASS    |
|           |           |                      |              |            | 10         | -0.62            | -0.00073              | PASS    |
|           |           |                      |              |            | 20         | -0.47            | -0.00056              | PASS    |
|           |           |                      |              |            | 30         | -0.87            | -0.00103              | PASS    |
|           |           |                      |              |            | 40         | -1.09            | -0.00129              | PASS    |
|           |           |                      |              |            | 50         | -0.63            | -0.00075              | PASS    |

END