

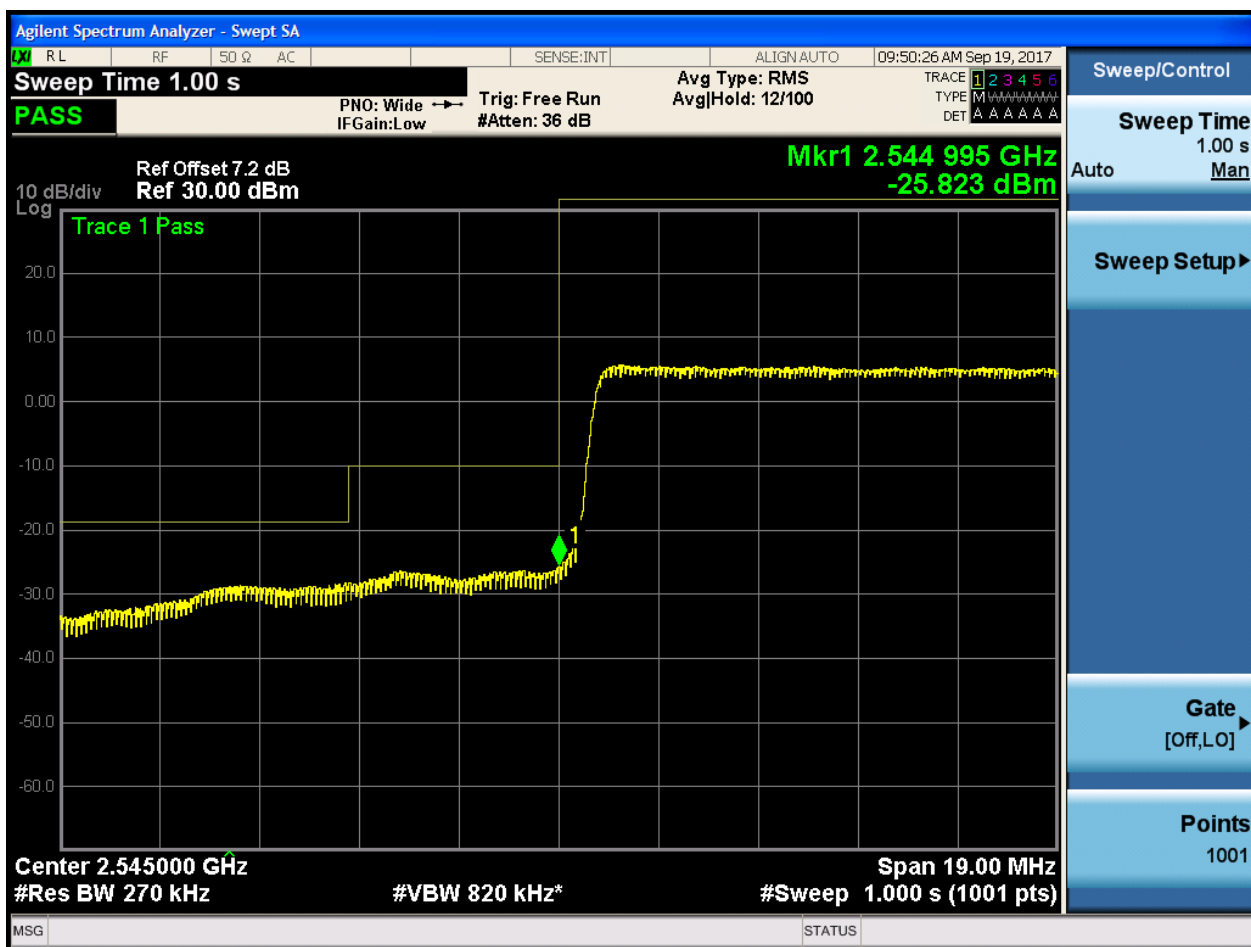


## 5.1.1.2.3.1.3 Test RB = RB36#18



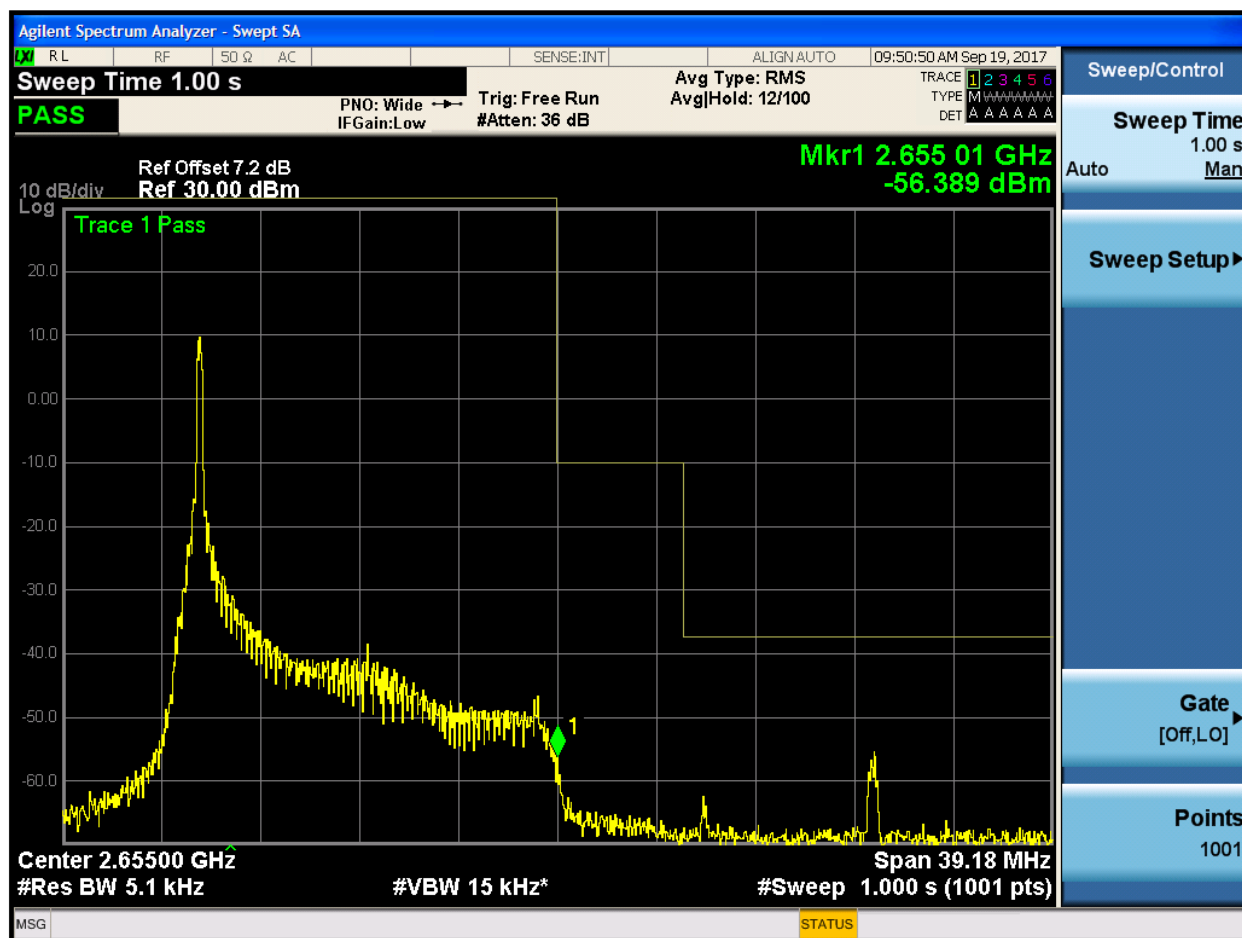


## 5.1.1.2.3.1.4 Test RB = RB75#0



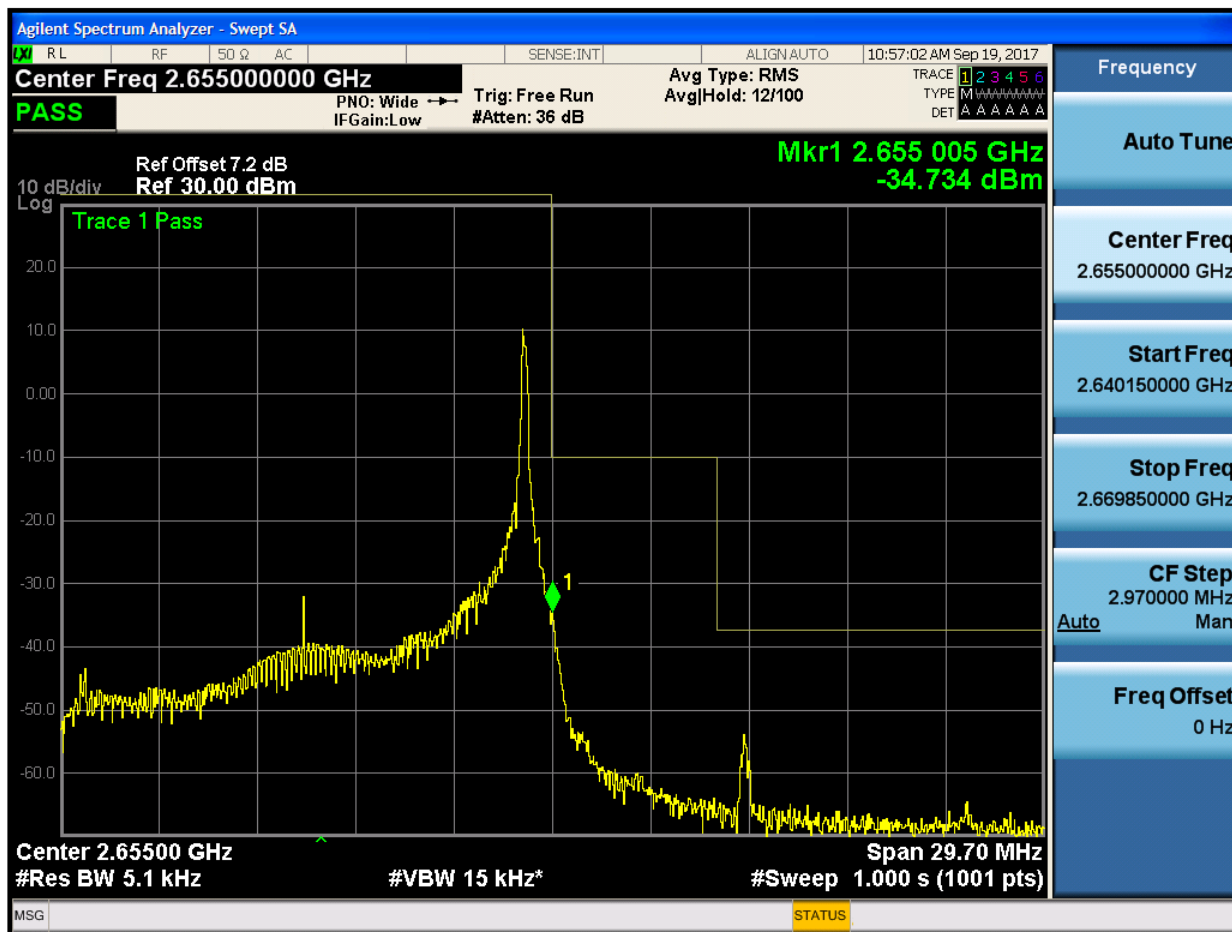
### 5.1.1.2.3.2 Test Channel = HCH

#### 5.1.1.2.3.2.1 Test RB = RB1#0





## 5.1.1.2.3.2.2 Test RB = RB1#74





Agilent Spectrum Analyzer - Swept SA

**Sweep Time 1.00 s**

PNO: Wide → Trig: Free Run  
IFGain: Low #Atten: 36 dB

Avg Type: RMS  
Avg/Hold: 12/100

TRACE 1 2 3 4 5 6  
TYPE M W W W W W W W  
DET A A A A A A

Ref Offset 7.2 dB  
Ref 30.00 dBm

Mkr1 2.655 01 GHz  
-32.784 dBm

The figure displays a spectrum analyzer screen with a yellow trace labeled "Trace 1 Pass". The vertical axis is logarithmic power in dBm, ranging from -60.0 to 20.0. The horizontal axis is frequency in MHz, centered at 2655.00 MHz. The trace shows a rising slope from approximately -45 dBm at 2650 MHz to a flat top at about +5 dBm between 2653 MHz and 2657 MHz, followed by a falling slope back down to -45 dBm at 2660 MHz. A green marker labeled "1" is positioned on the falling edge at 2655.01 MHz with a value of -32.784 dBm.

Center 2.65500 GHz  
#Res BW 130 kHz

#VBW 390 kHz\*

Span 39.18 MHz  
#Sweep 1.000 s (1001 pts)

MSG STATUS



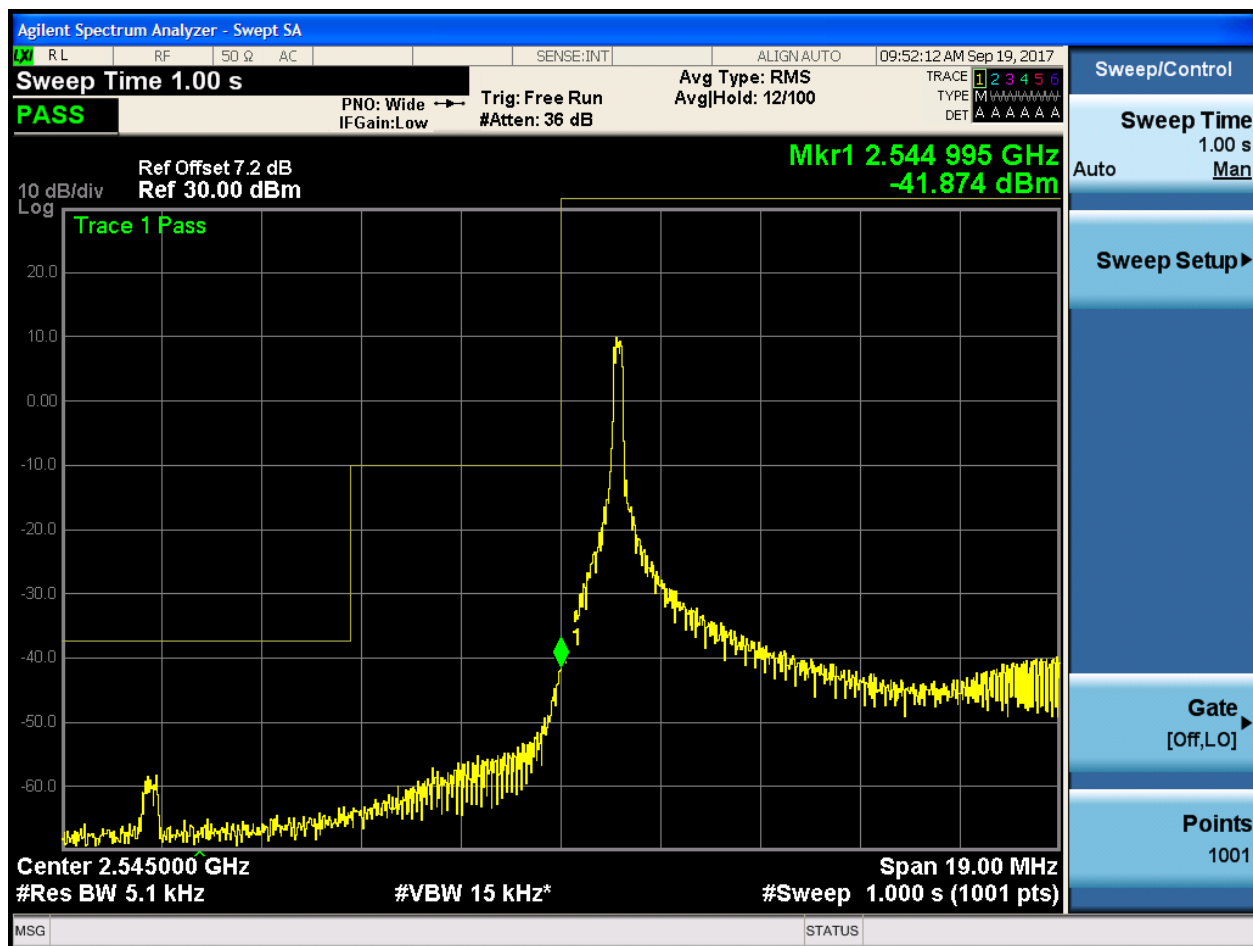
## 5.1.1.2.3.2.4 Test RB = RB75#0



#### 5.1.1.2.4 Test Bandwidth = 20

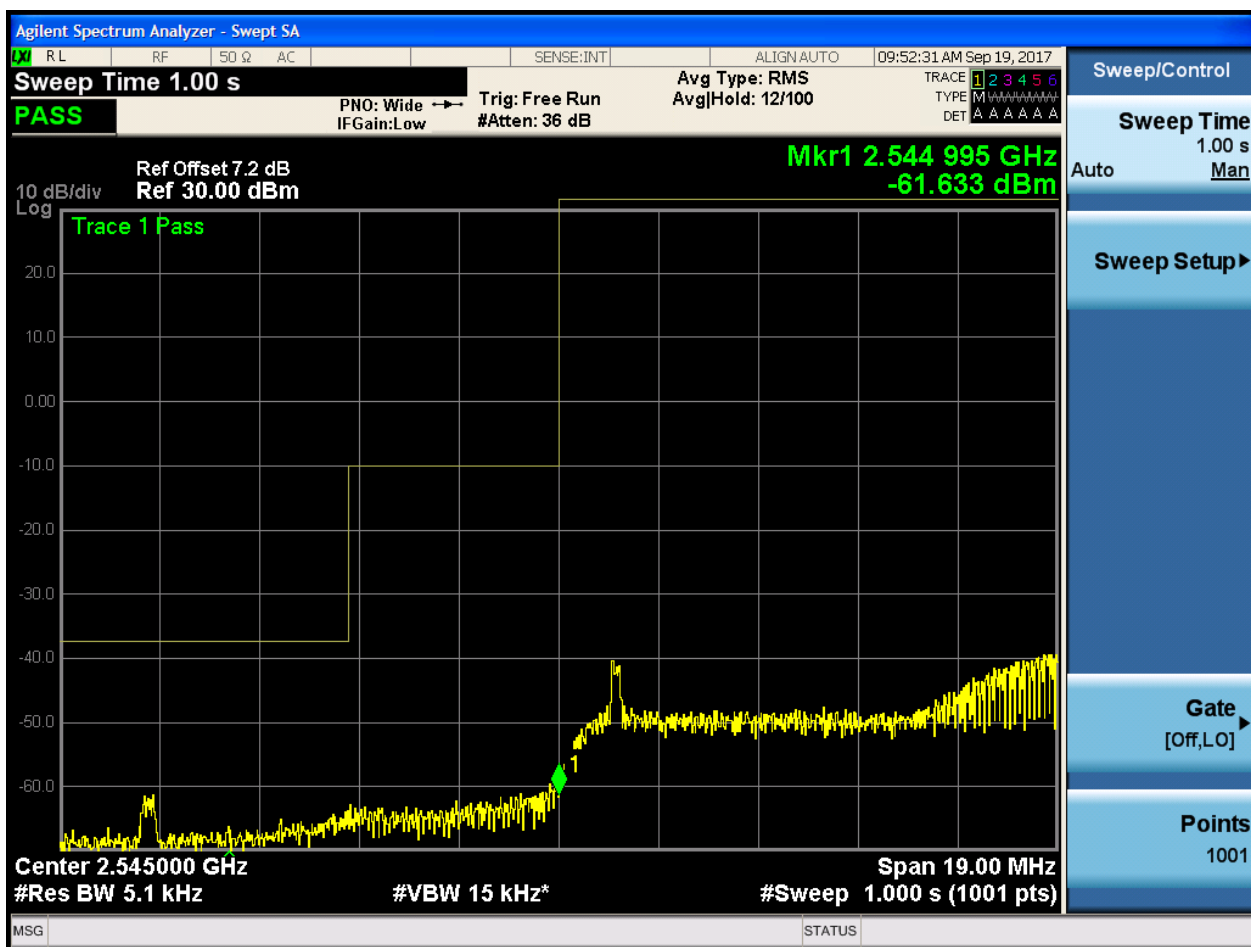
##### 5.1.1.2.4.1 Test Channel = LCH

##### 5.1.1.2.4.1.1 Test RB = RB1#0

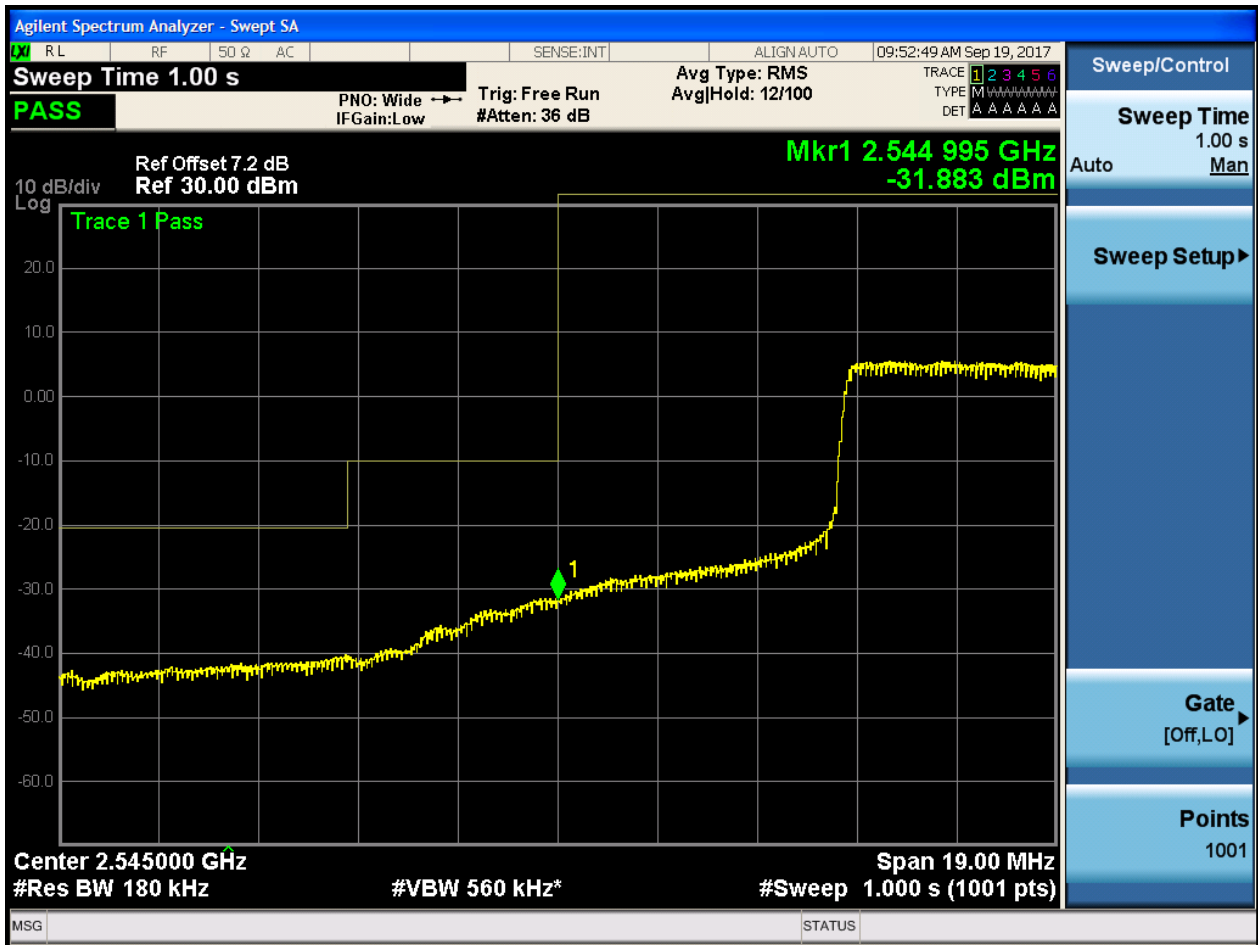




## 5.1.1.2.4.1.2 Test RB = RB1#99

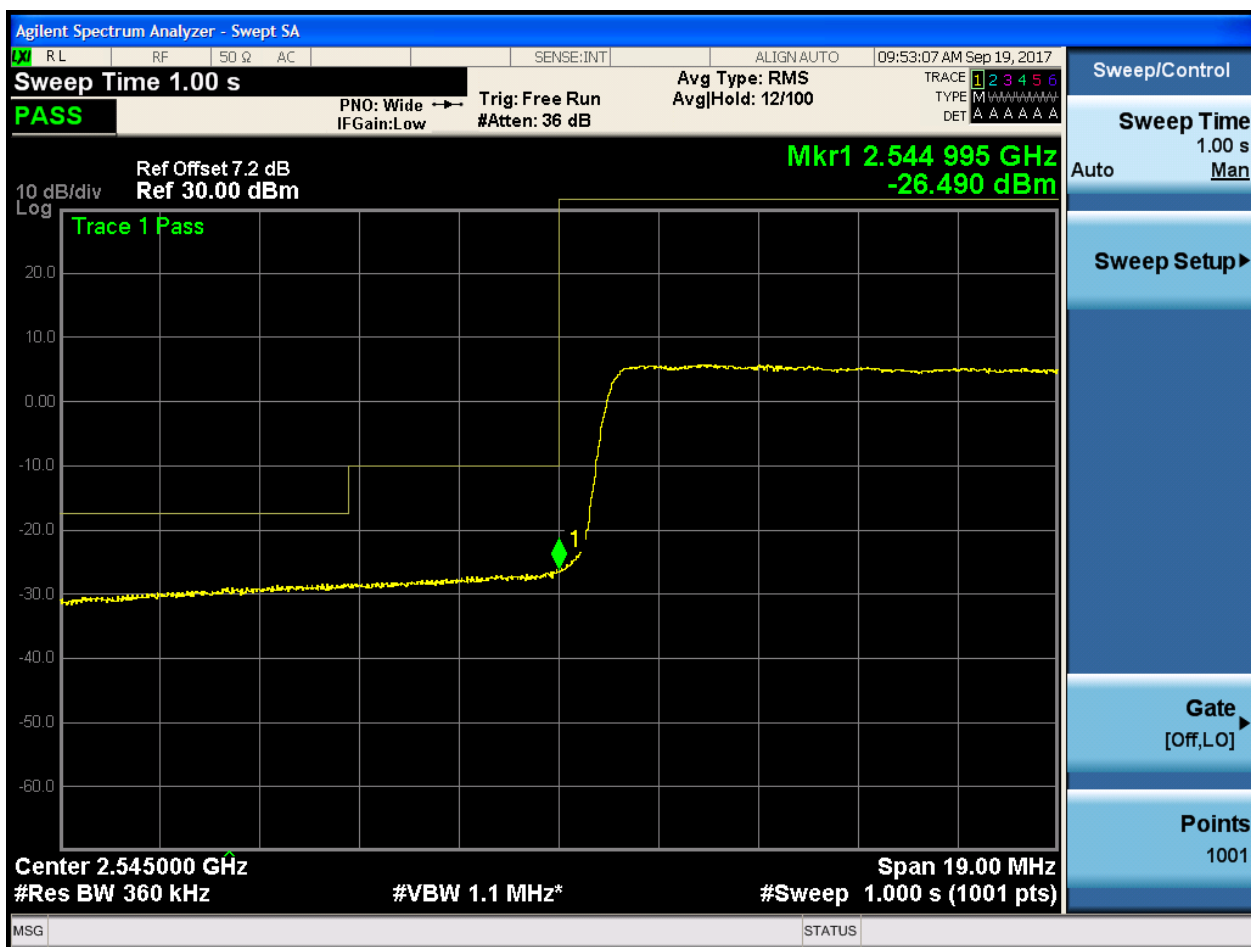


#### 5.1.1.2.4.1.3 Test RB = RB50#25





## 5.1.1.2.4.1.4 Test RB = RB100#0



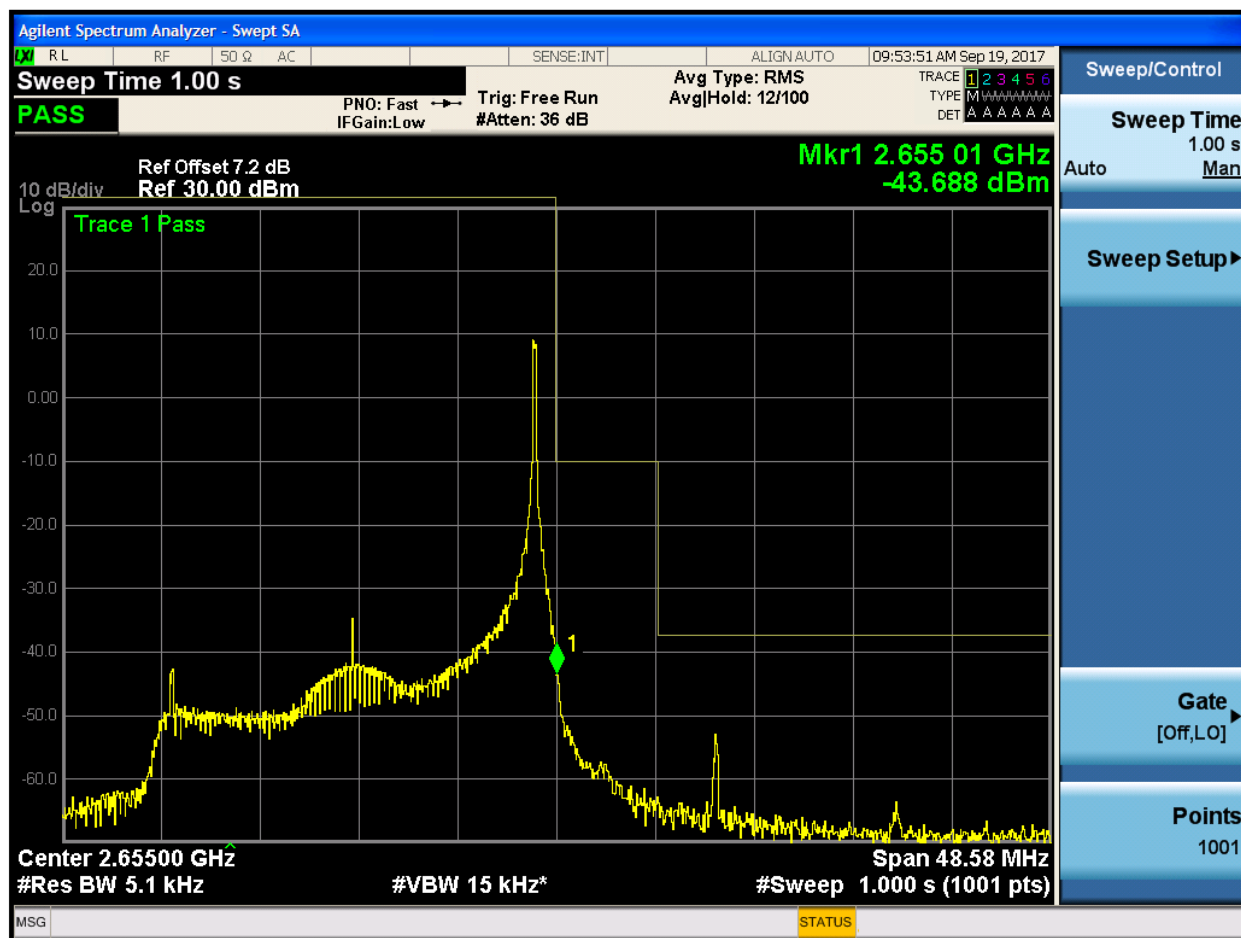
### 5.1.1.2.4.2 Test Channel = HCH

#### 5.1.1.2.4.2.1 Test RB = RB1#0



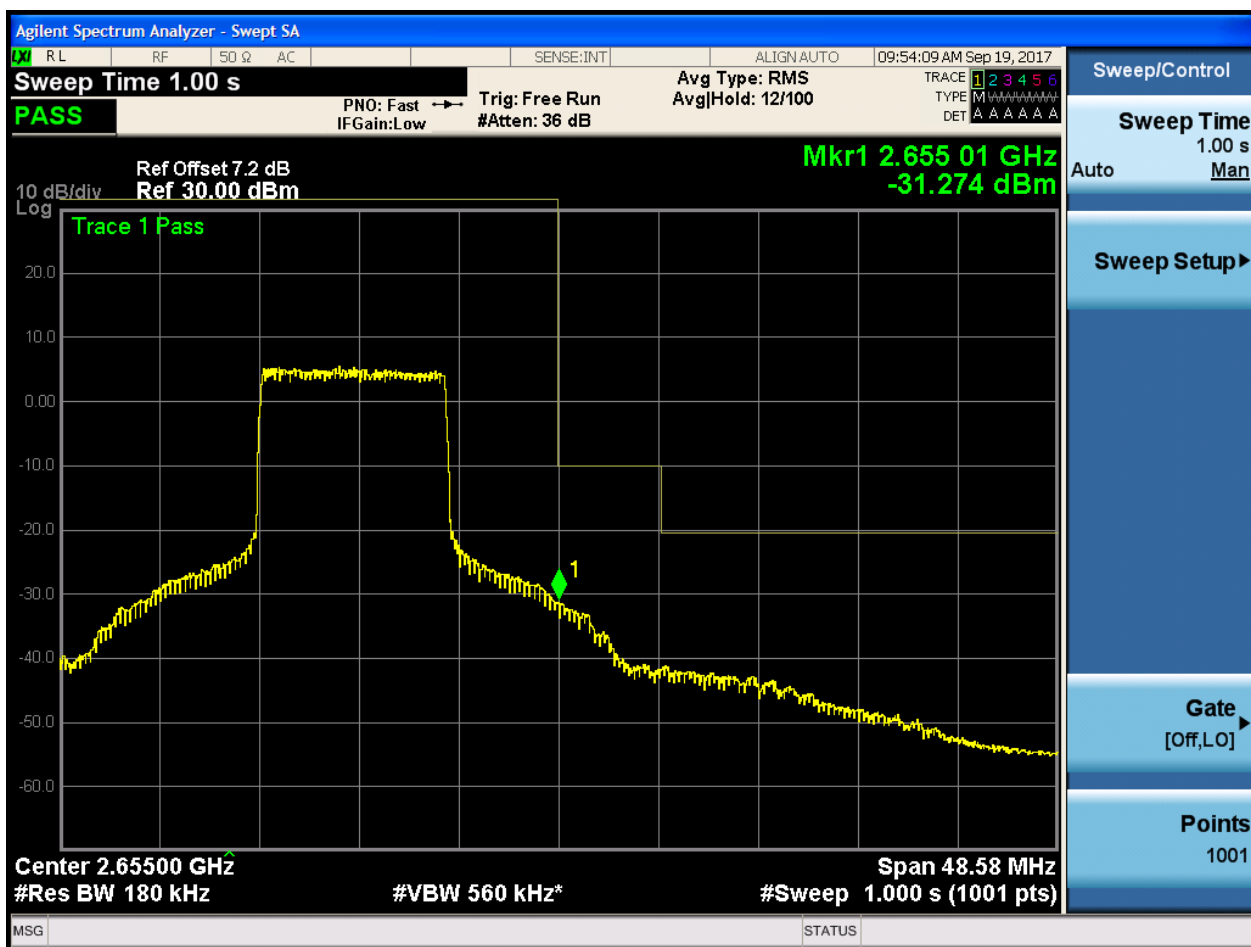


## 5.1.1.2.4.2.2 Test RB = RB1#99





## 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

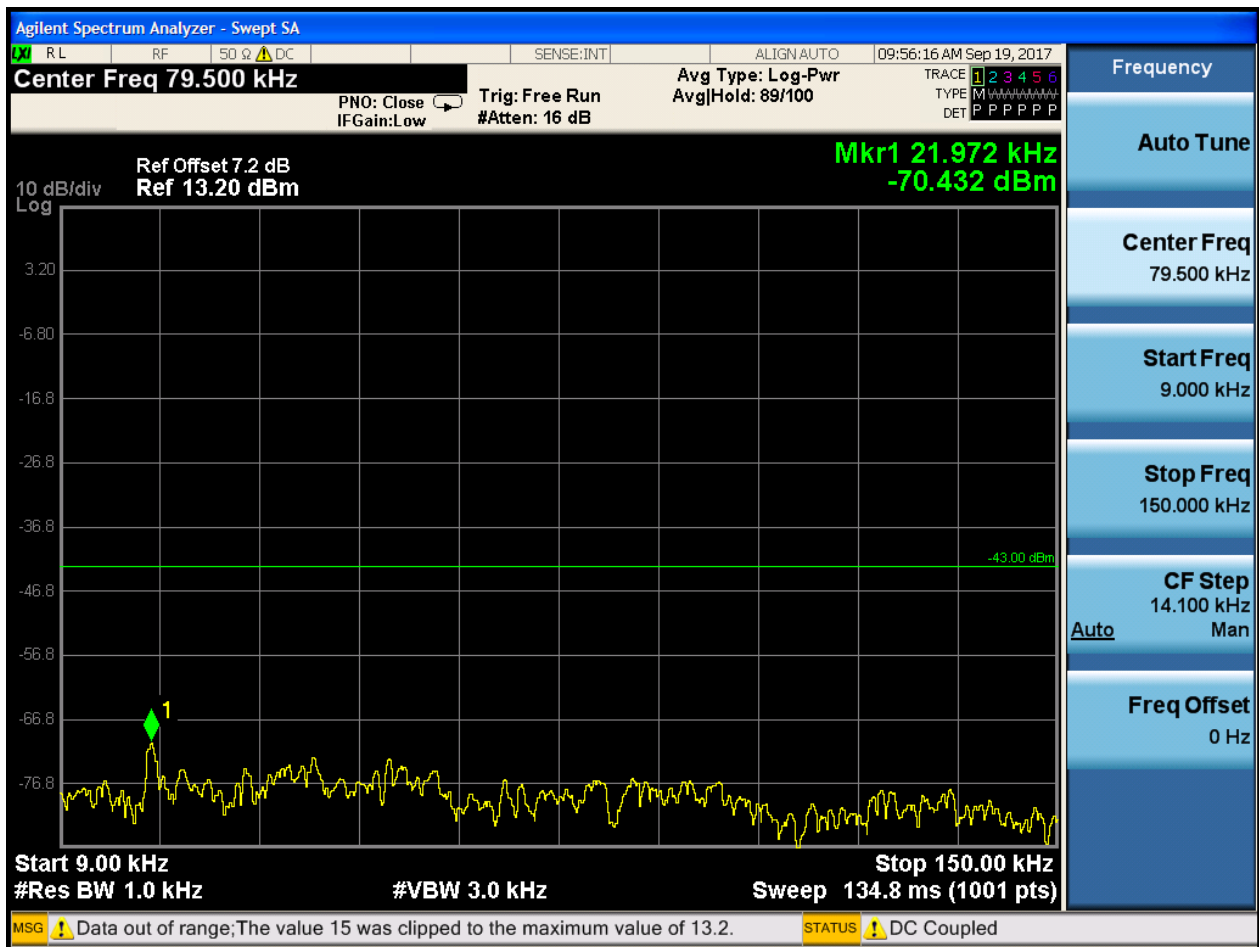
##### 6.1.1 Test Band = BAND41

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

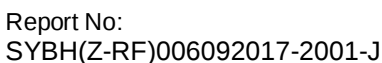
##### 6.1.1.1.1 Test Bandwidth = 5

##### 6.1.1.1.1.1 Test Channel = LCH

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



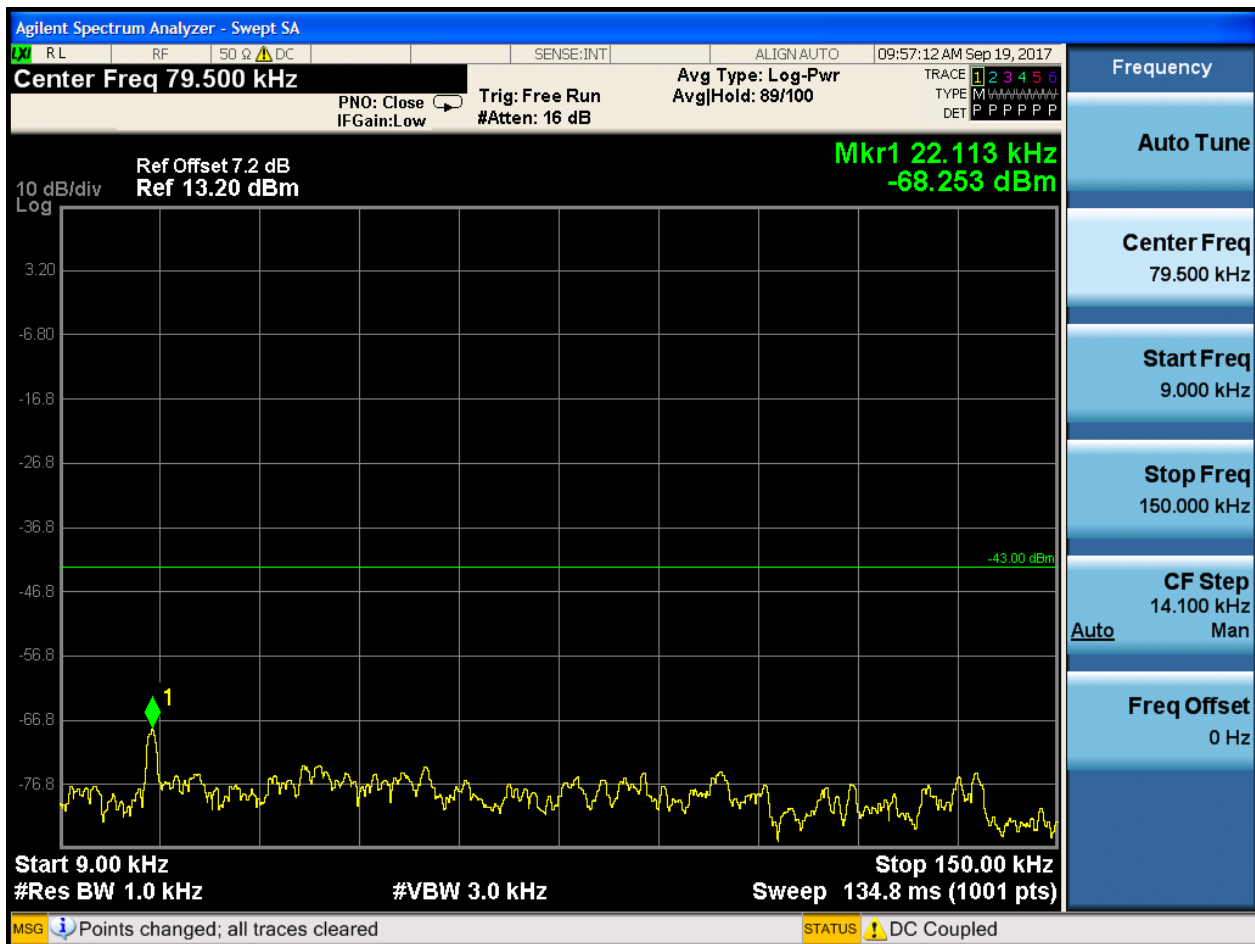


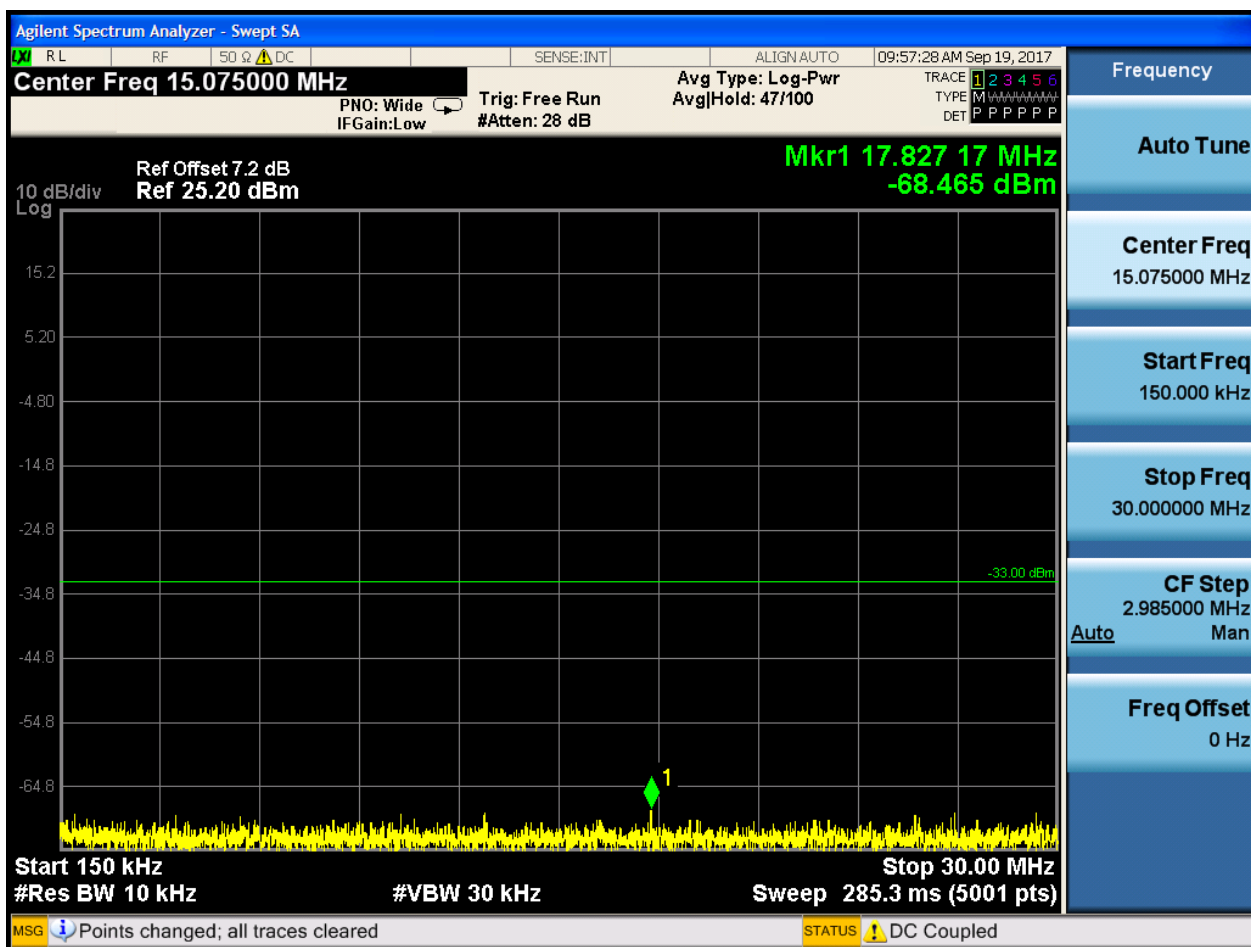


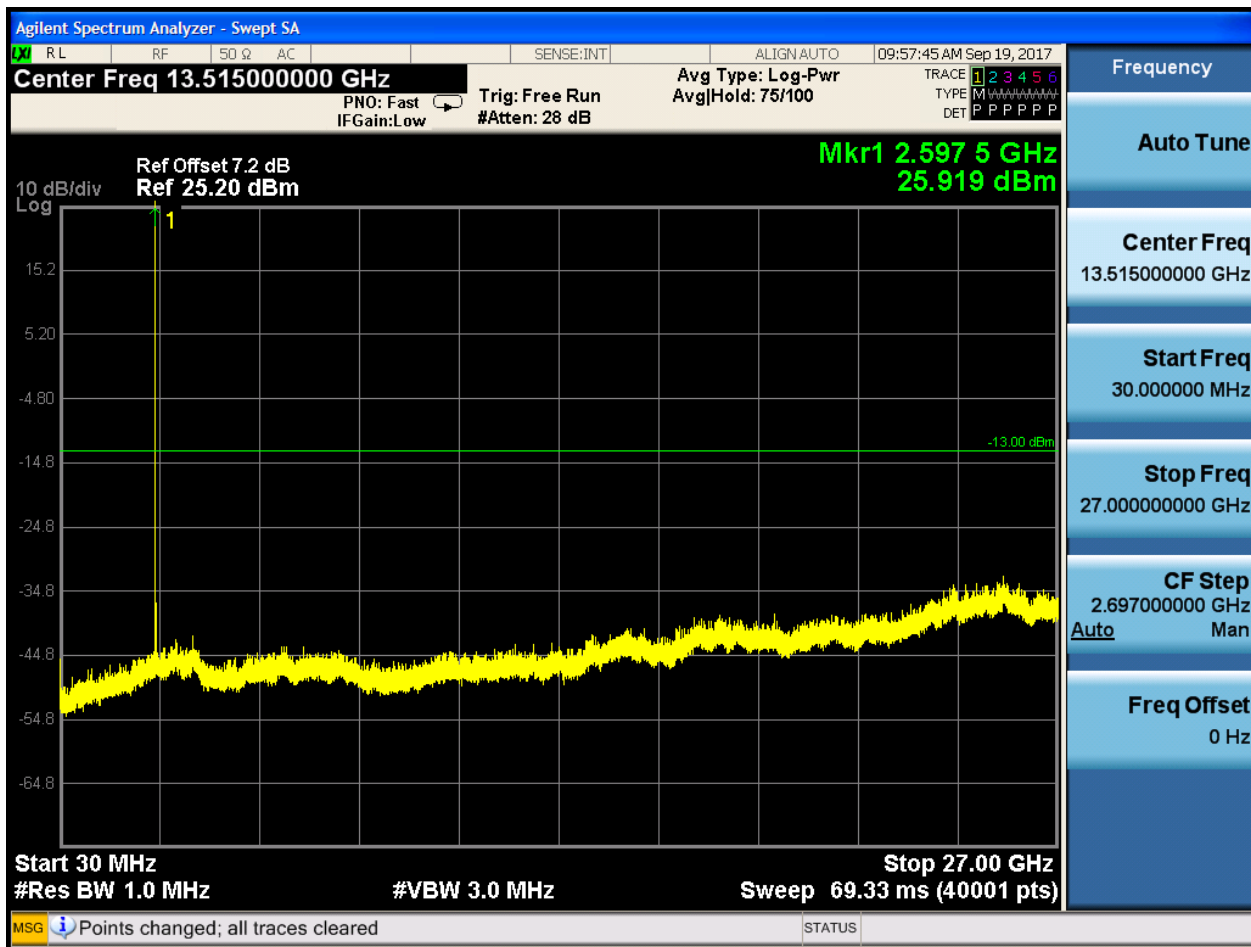


## 6.1.1.1.1.2 Test Channel = MCH

## 6.1.1.1.1.2.1 Test RB = RB1#0

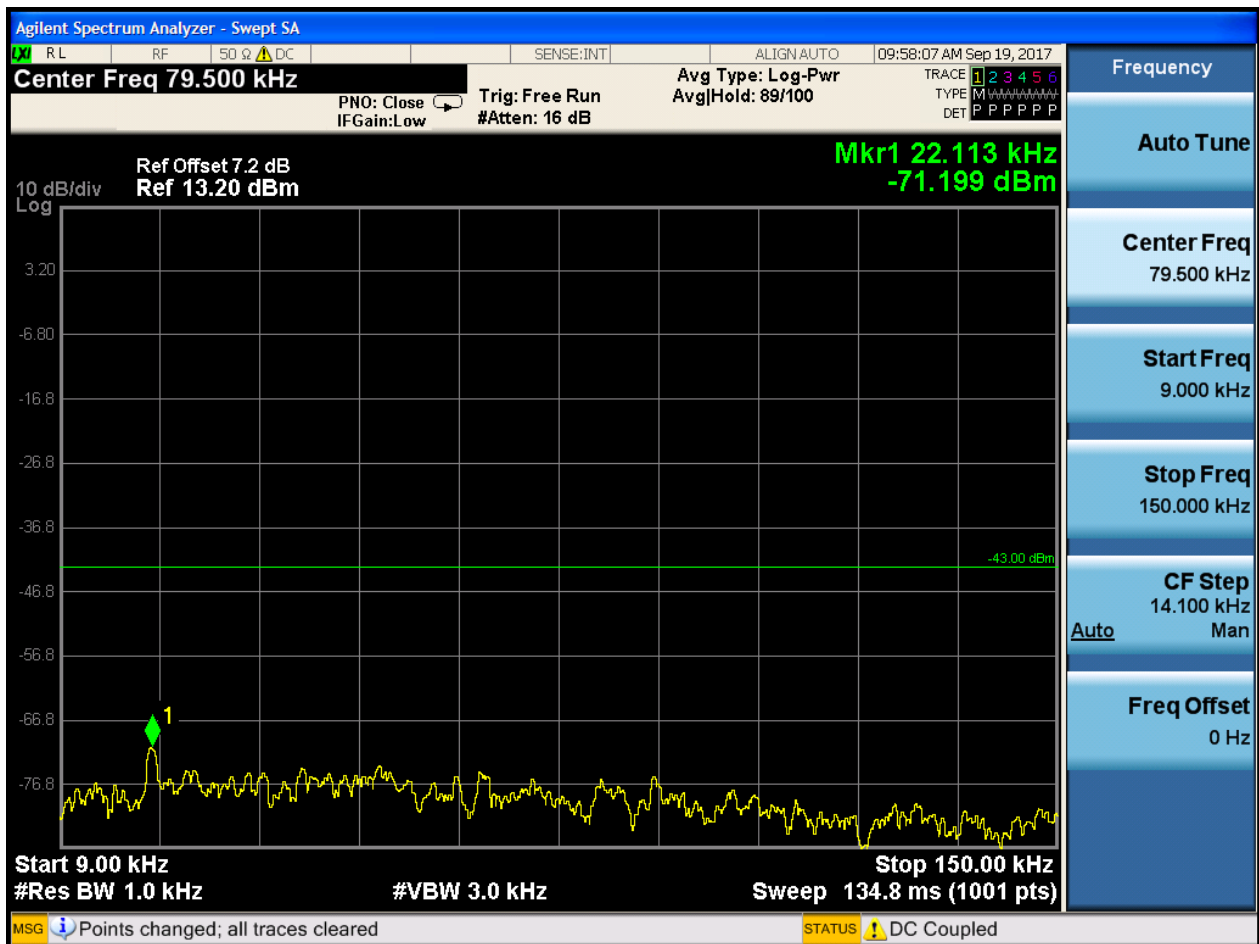


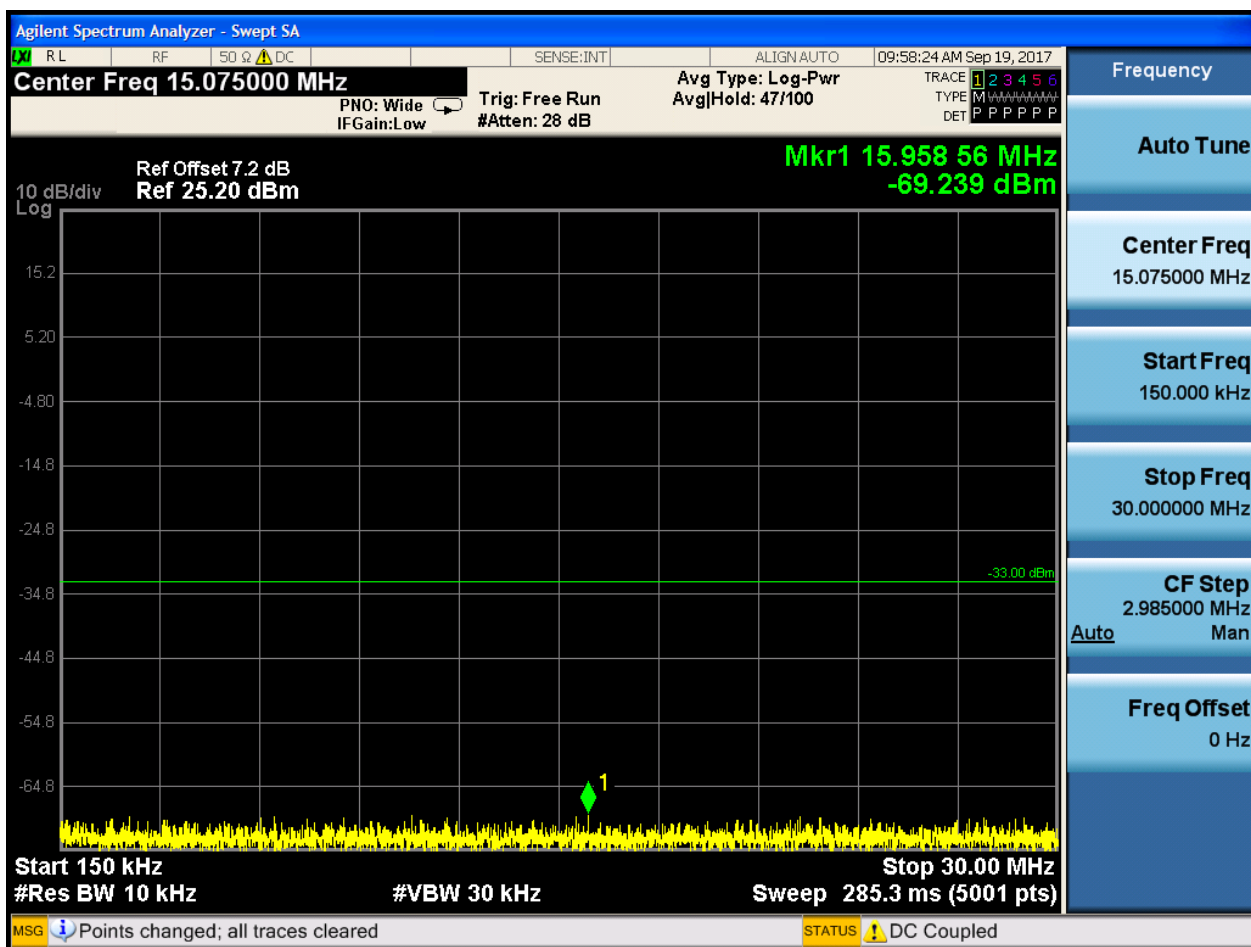


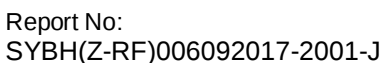


### 6.1.1.1.1.3 Test Channel = HCH

#### 6.1.1.1.1.3.1 Test RB = RB1#0



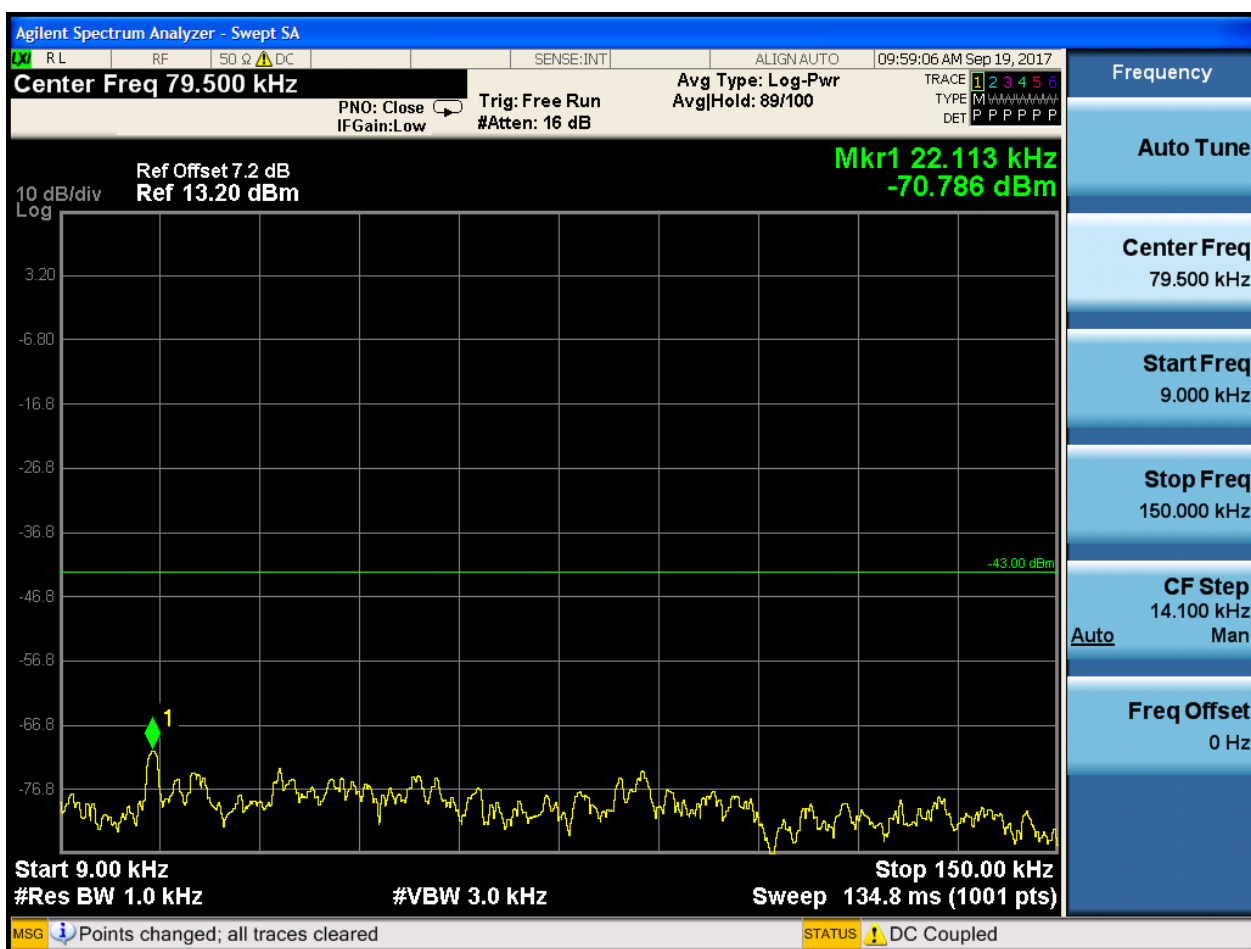


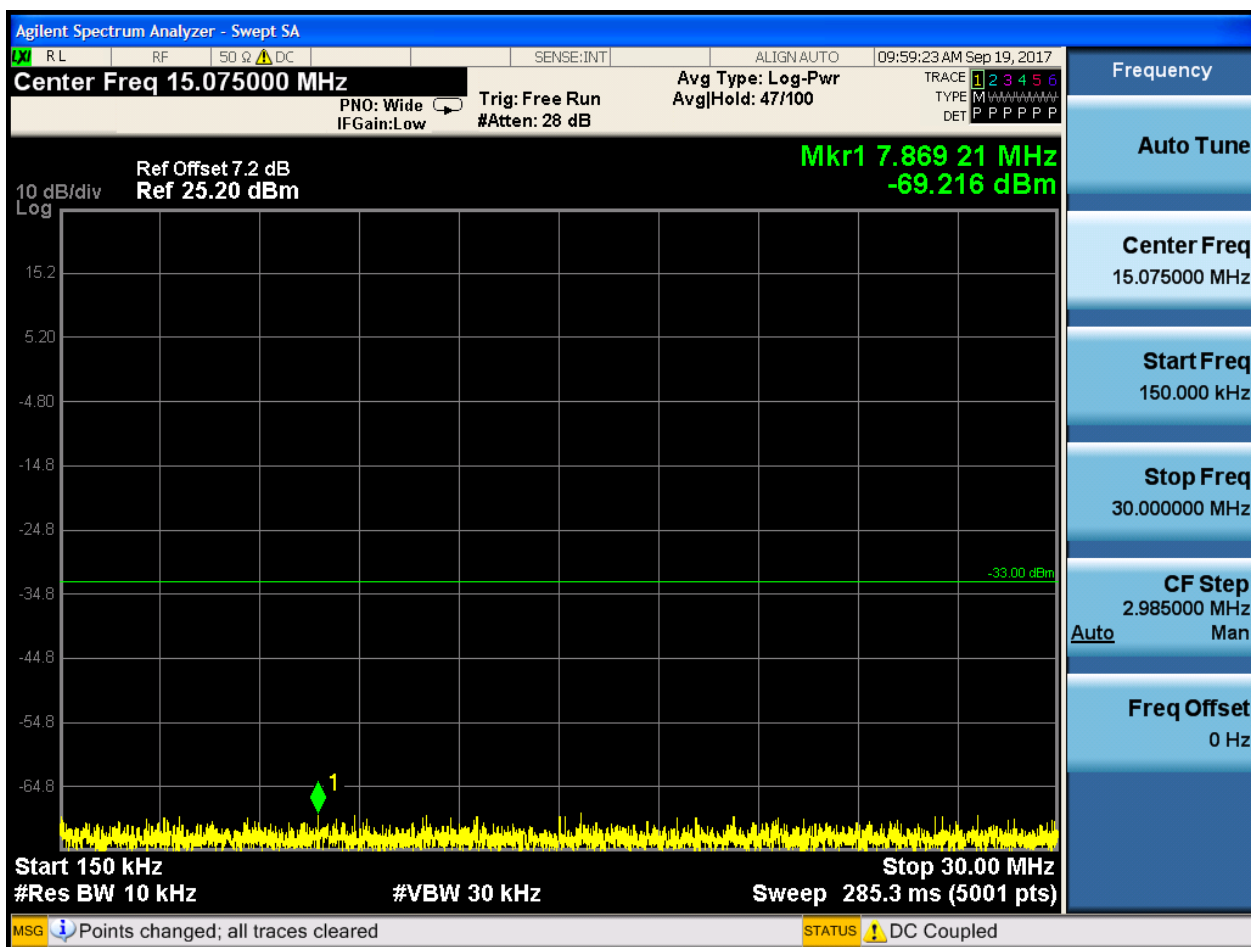


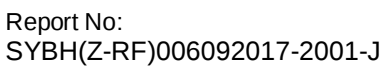
### 6.1.1.1.2 Test Bandwidth = 10

#### 6.1.1.1.2.1 Test Channel = LCH

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



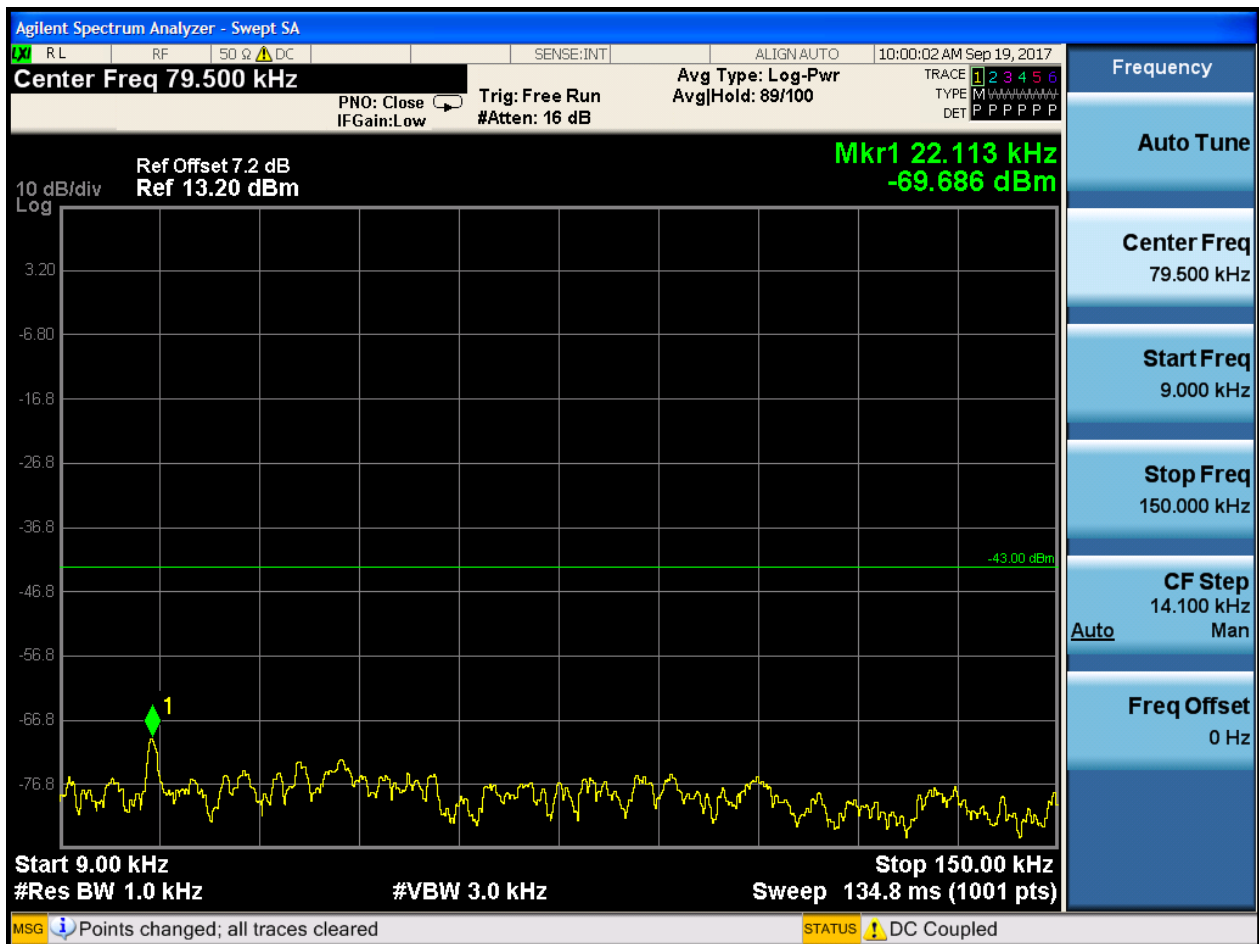


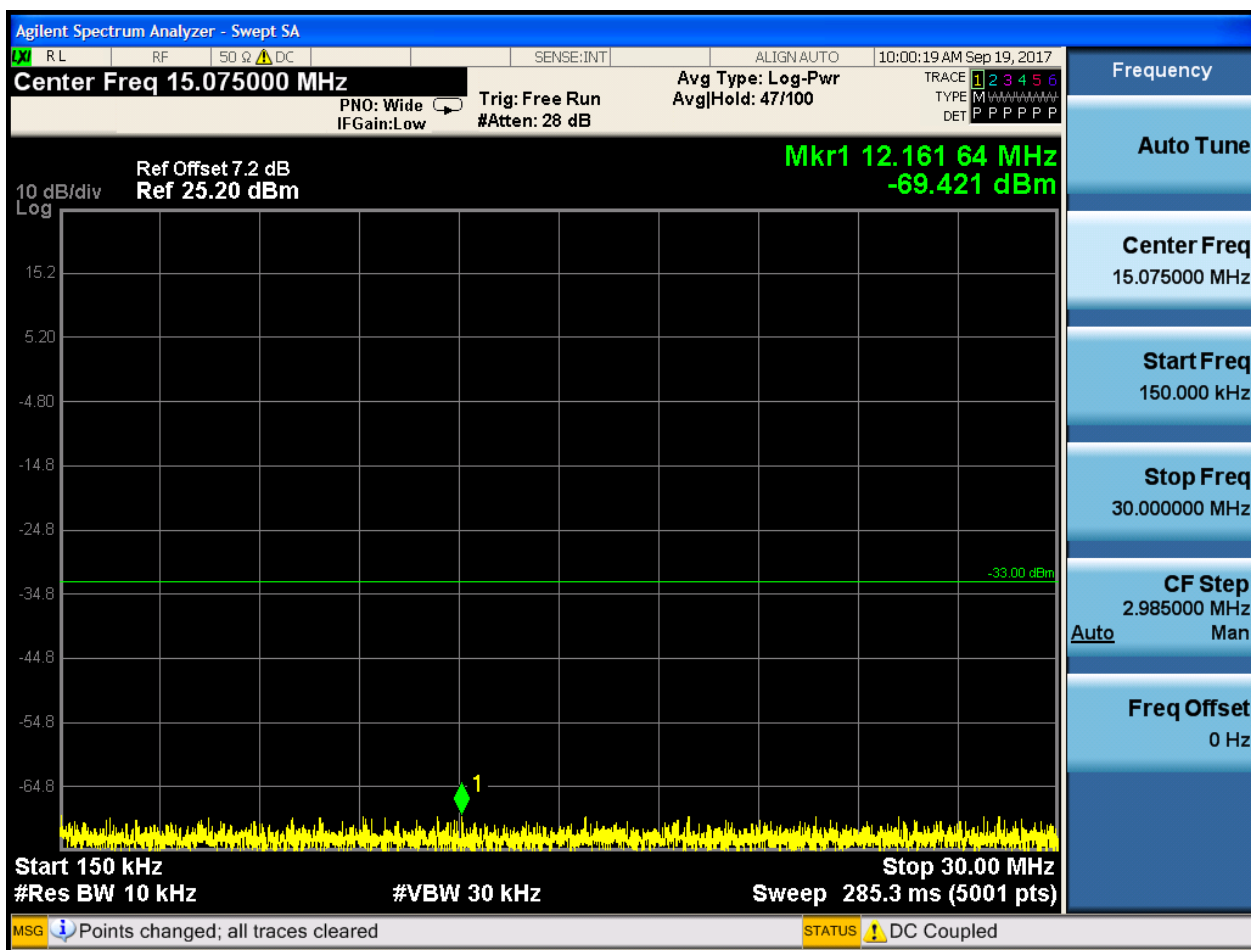


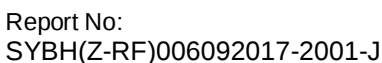


## 6.1.1.1.2.2 Test Channel = MCH

## 6.1.1.1.2.2.1 Test RB = RB1#0



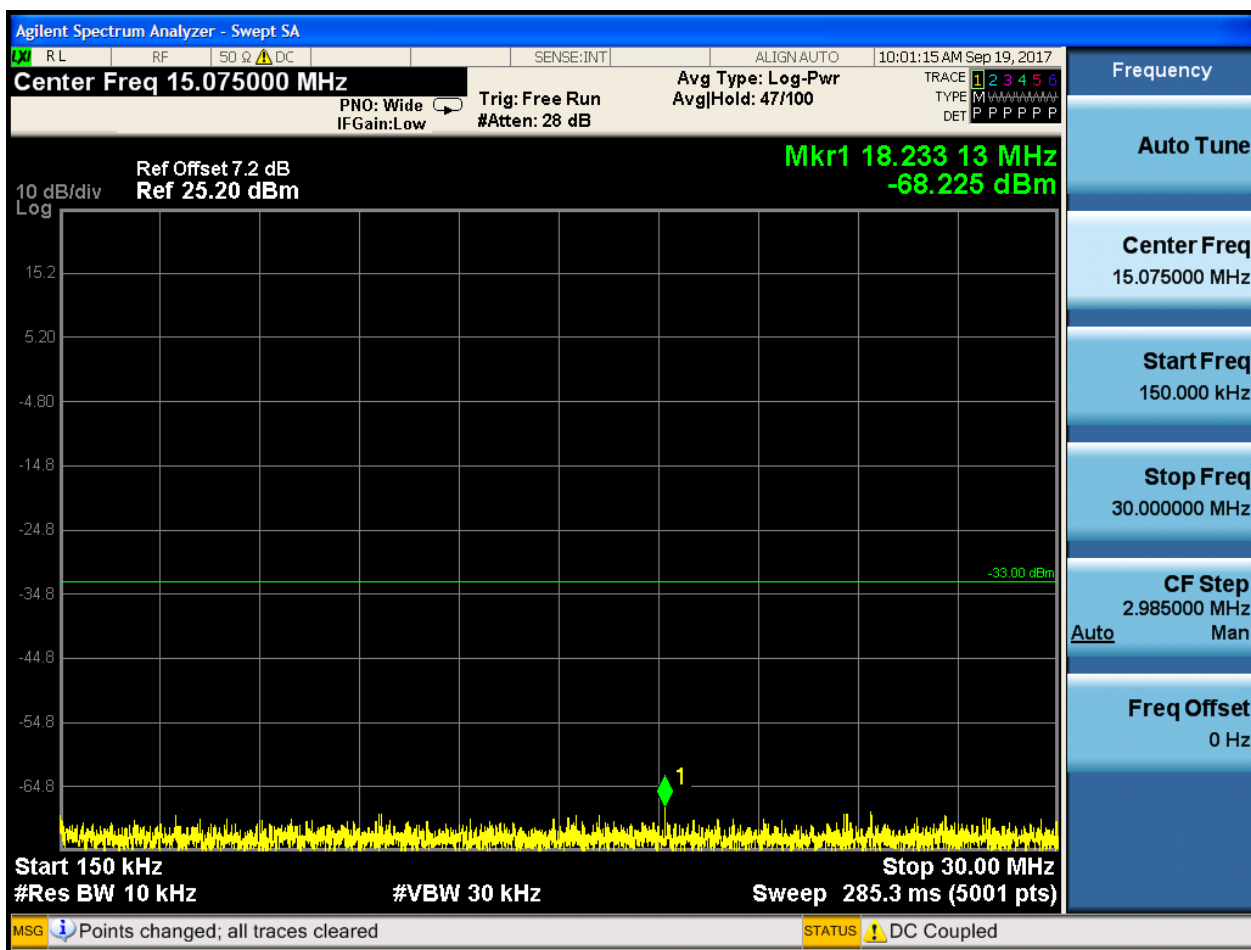


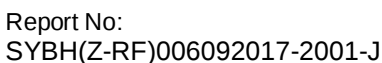


### 6.1.1.1.2.3 Test Channel = HCH

#### 6.1.1.1.2.3.1 Test RB = RB1#0



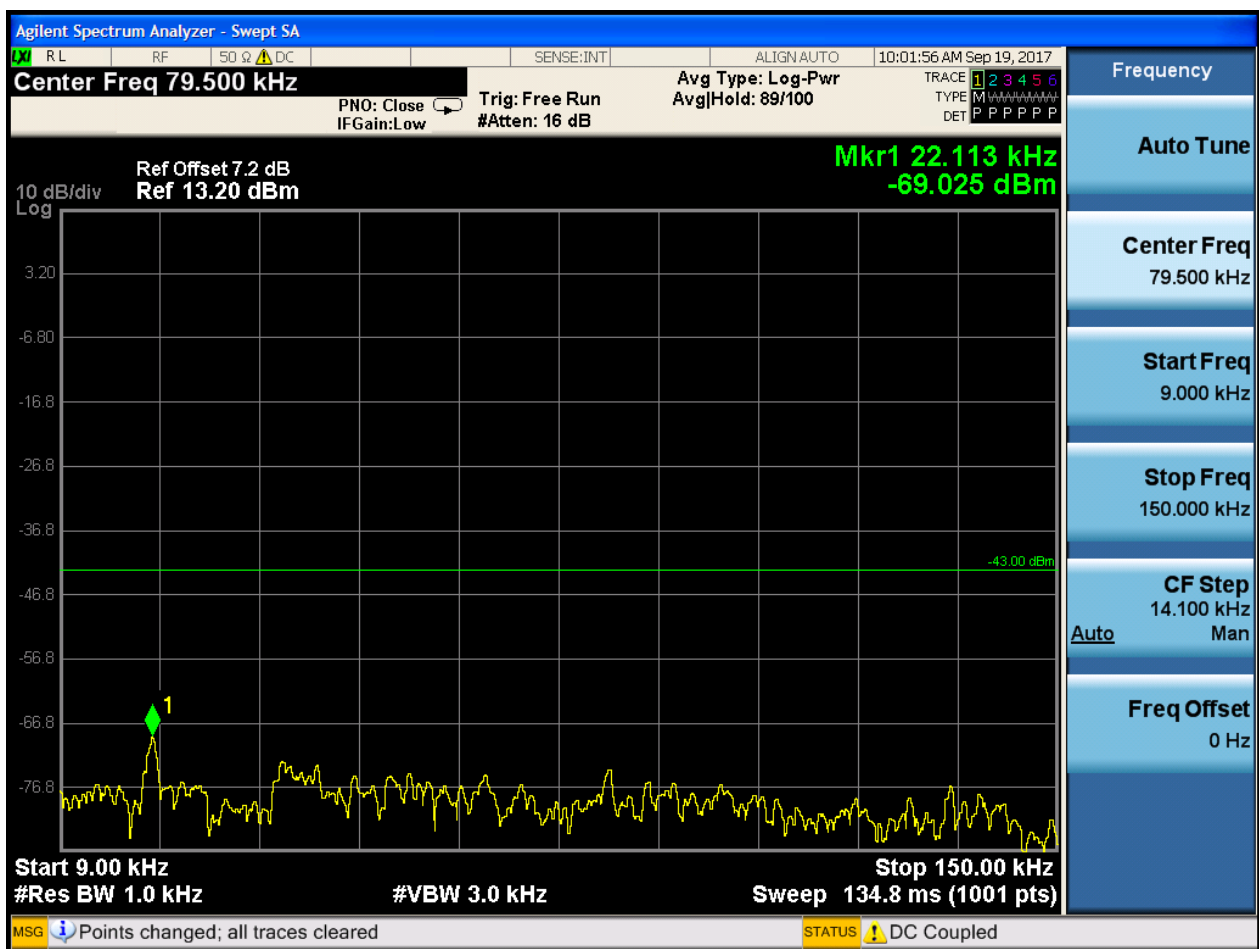




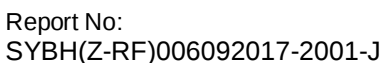
### 6.1.1.1.3 Test Bandwidth = 15

#### 6.1.1.1.3.1 Test Channel = LCH

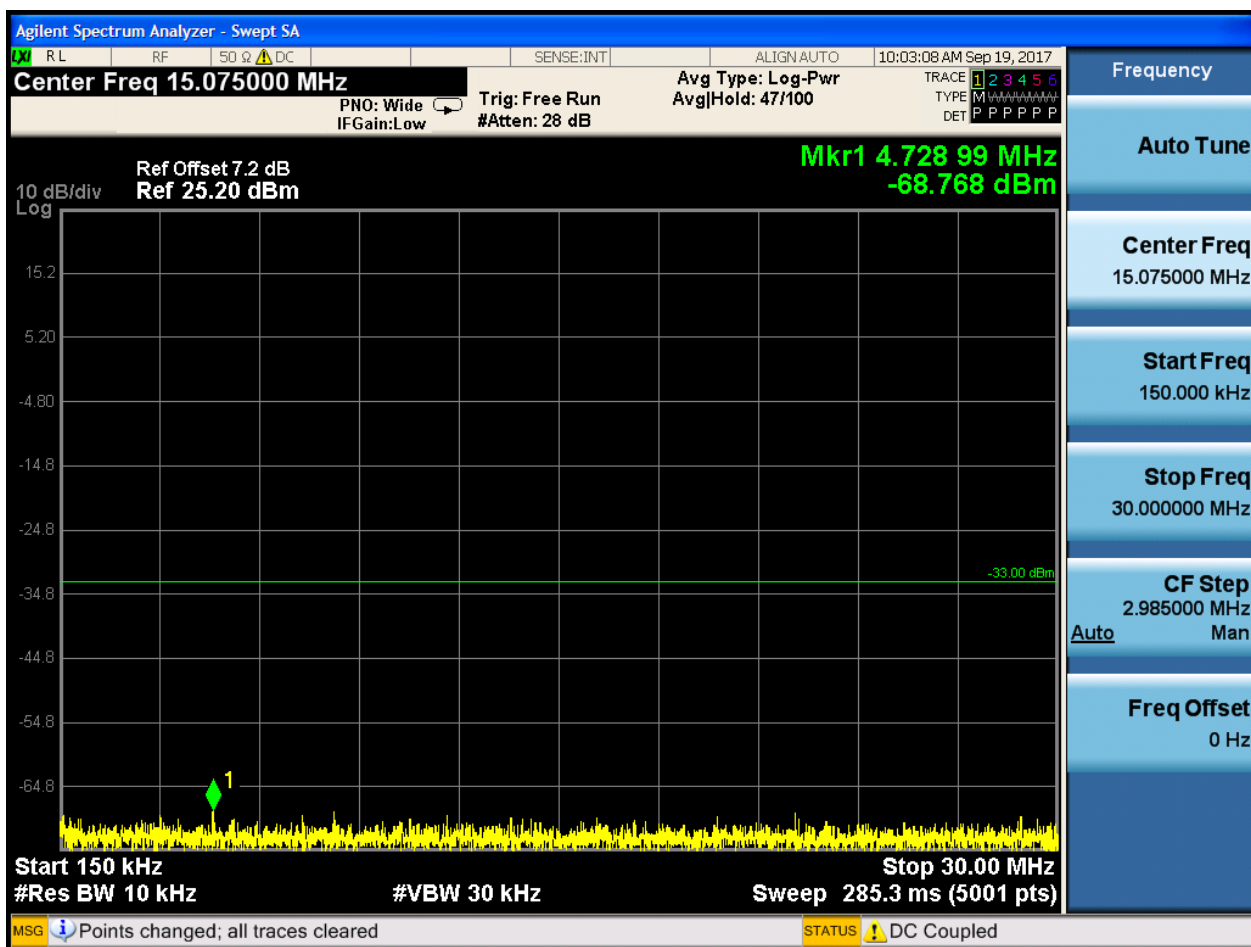
##### 6.1.1.1.3.1.1 Test RB = RB1#0

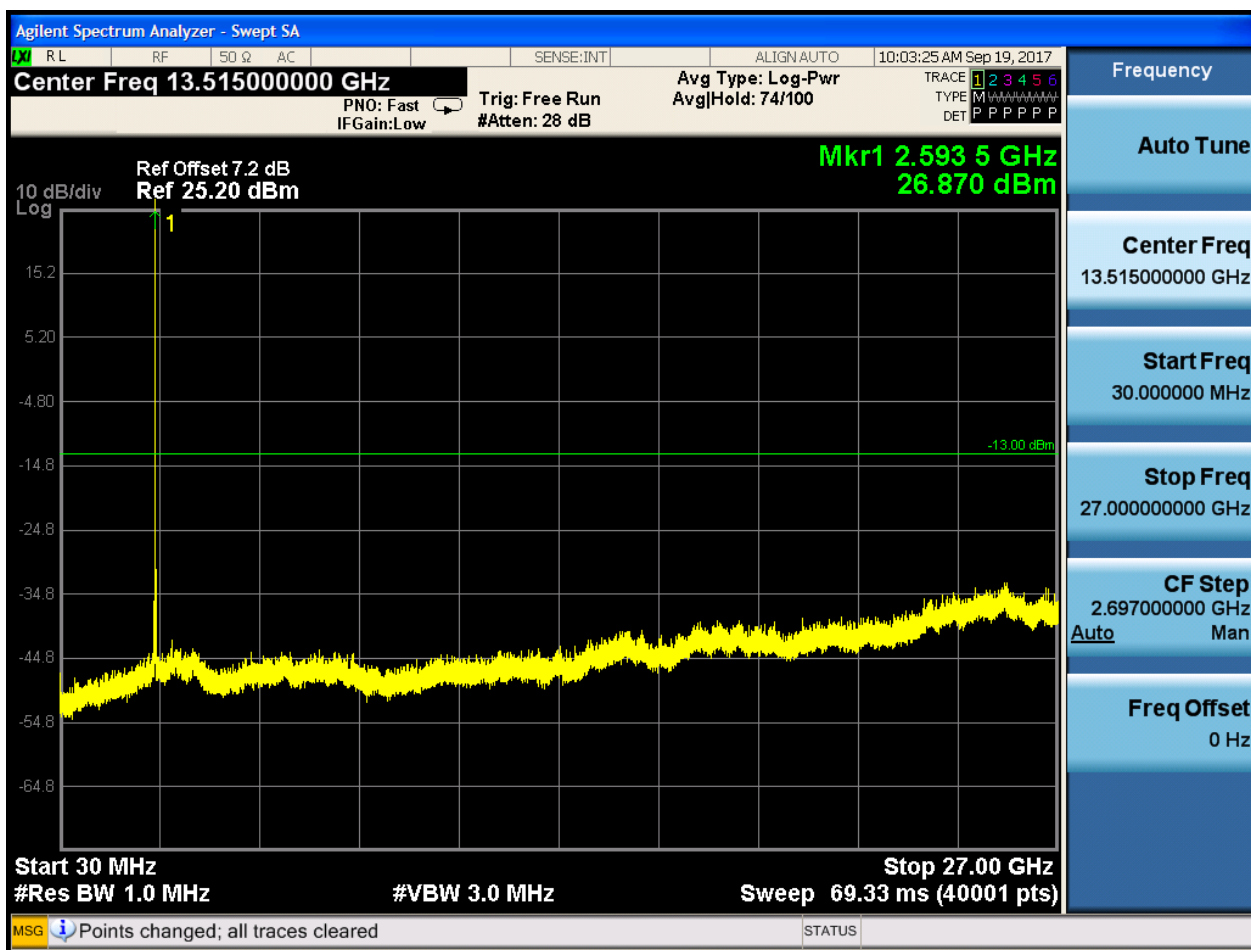








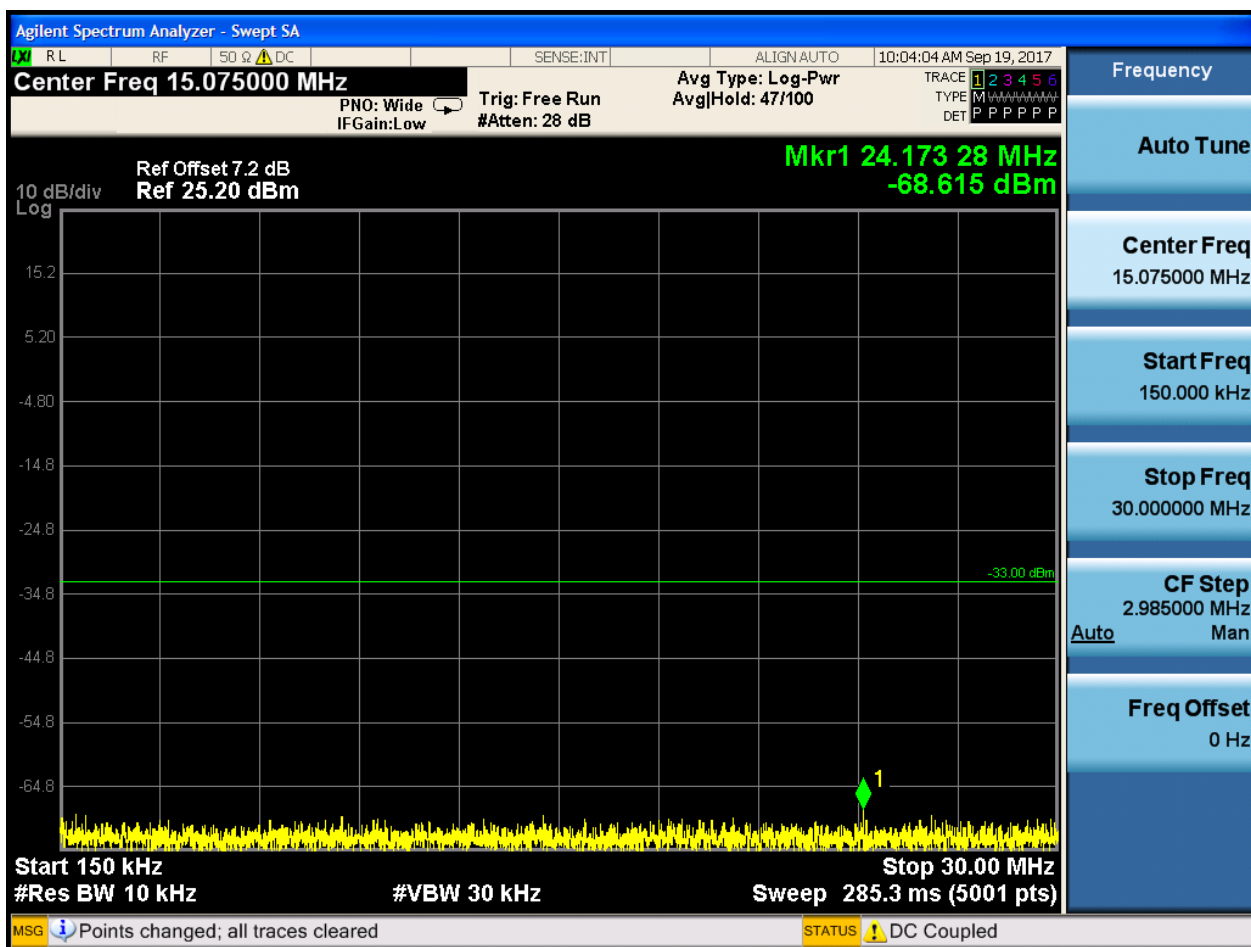


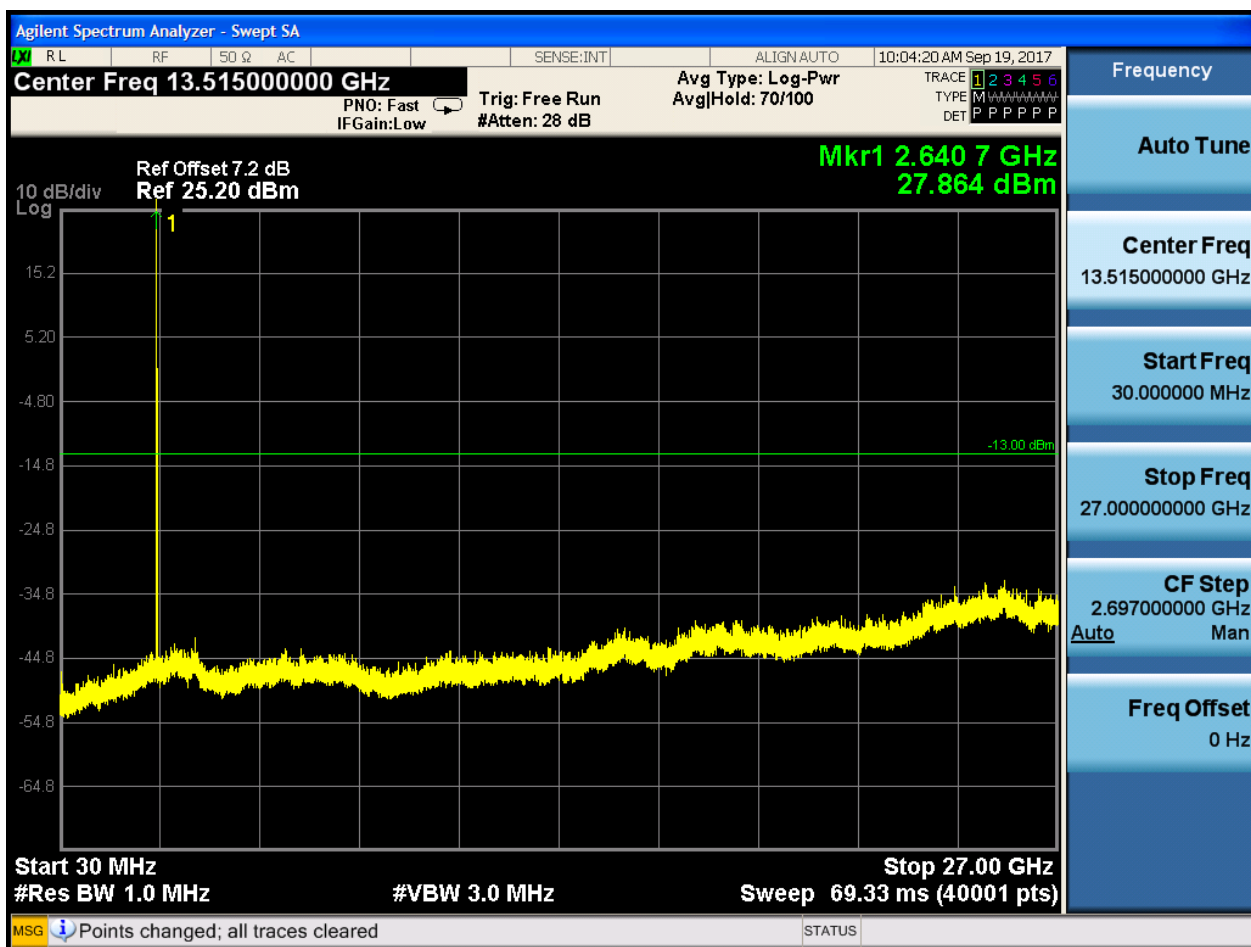


#### 6.1.1.1.3.3 Test Channel = HCH

#### 6.1.1.1.3.3.1 Test RB = RB1#0



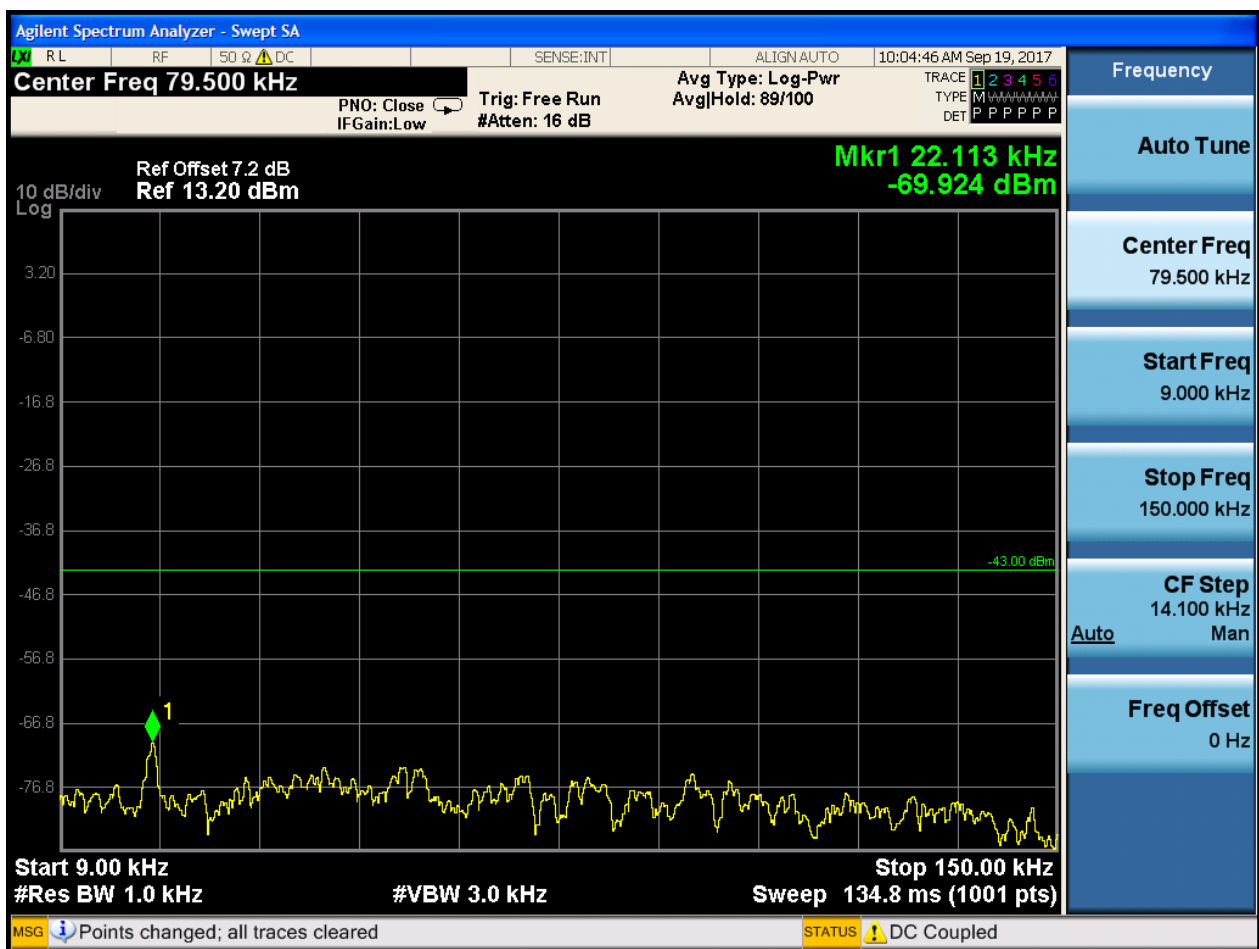


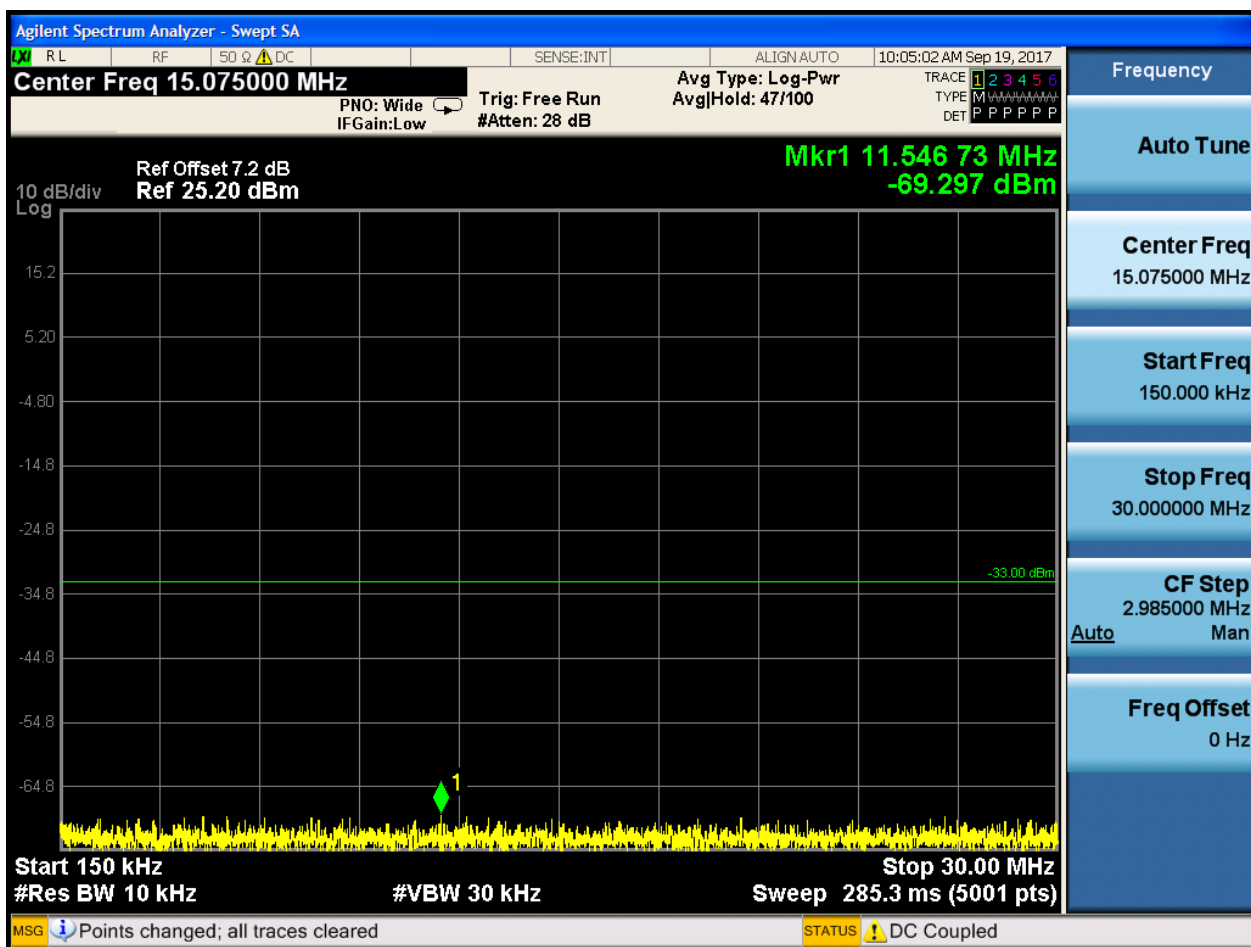


#### 6.1.1.1.4 Test Bandwidth = 20

##### 6.1.1.1.4.1 Test Channel = LCH

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

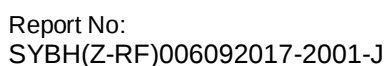


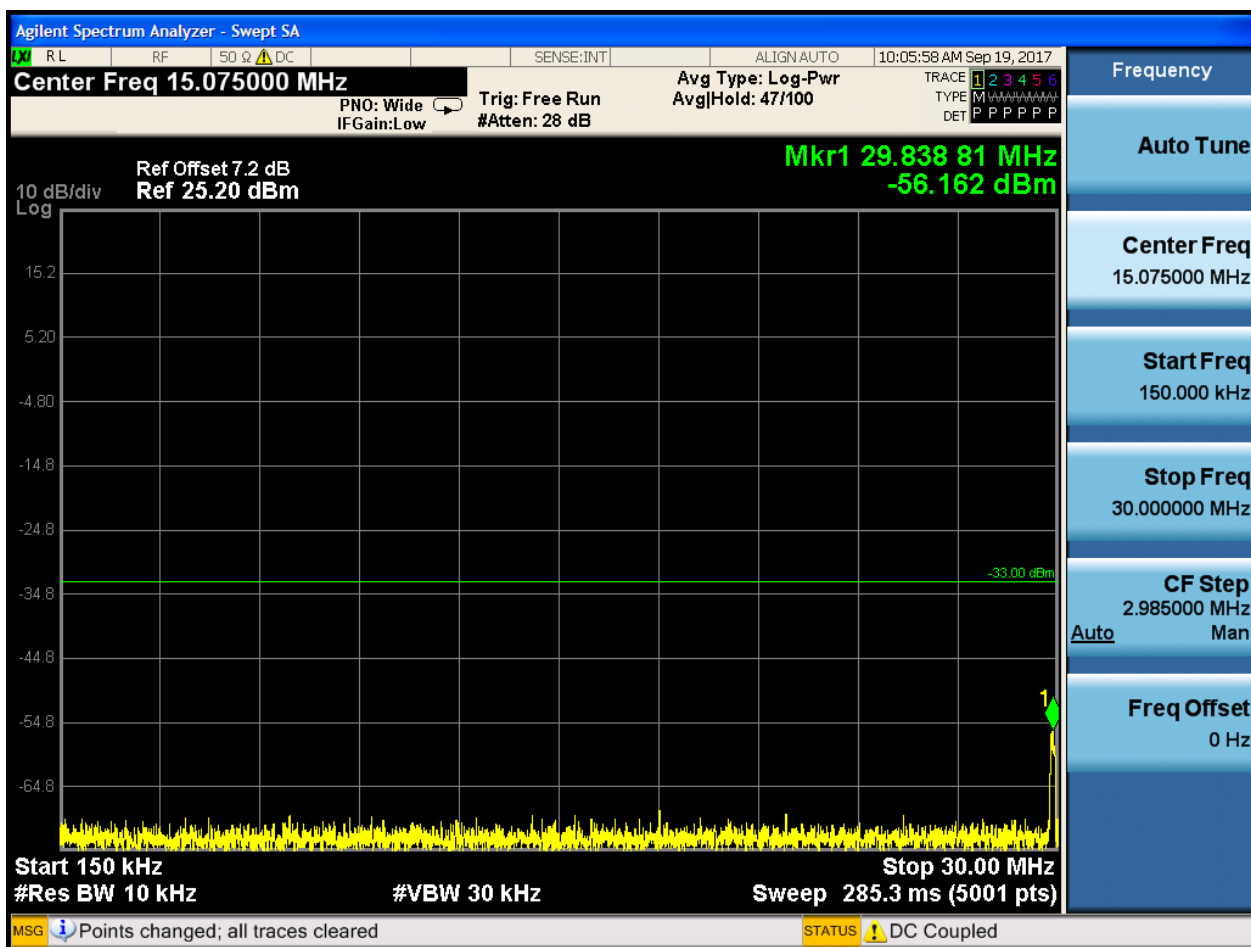


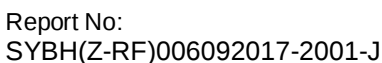




#### 6.1.1.1.4.2.1 Test RB = RB1#0



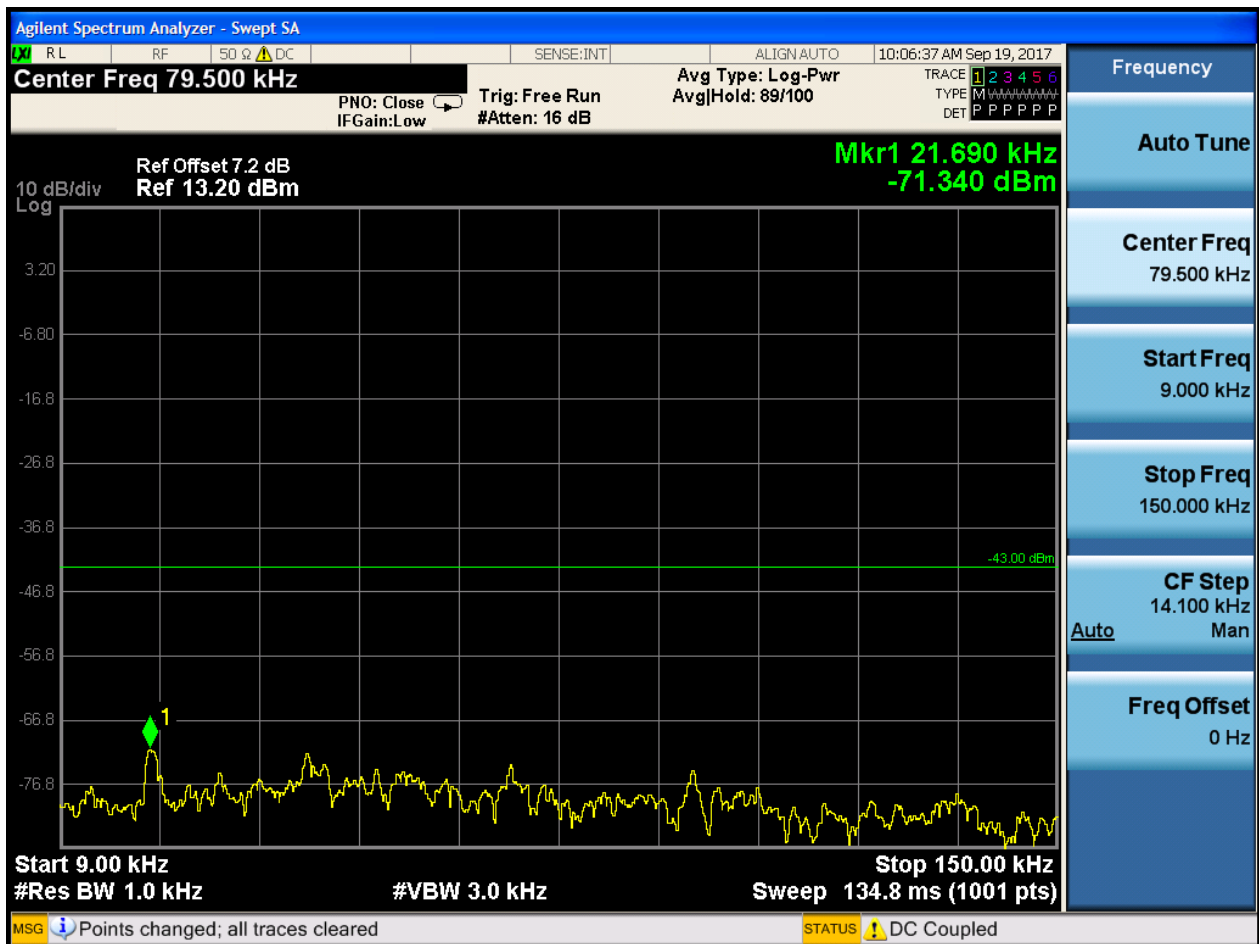




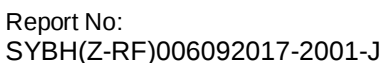


## 6.1.1.1.4.3 Test Channel = HCH

## 6.1.1.1.4.3.1 Test RB = RB1#0







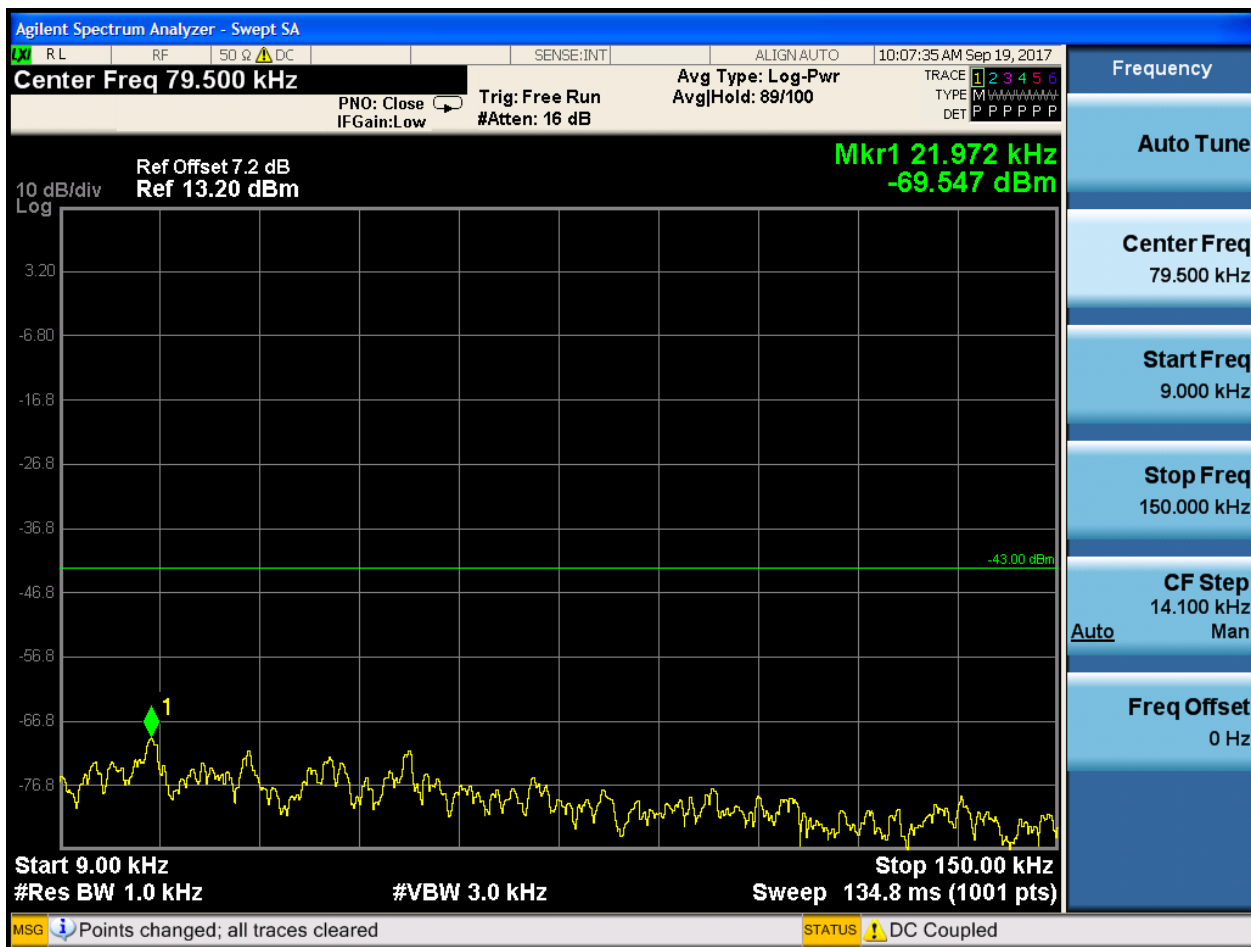


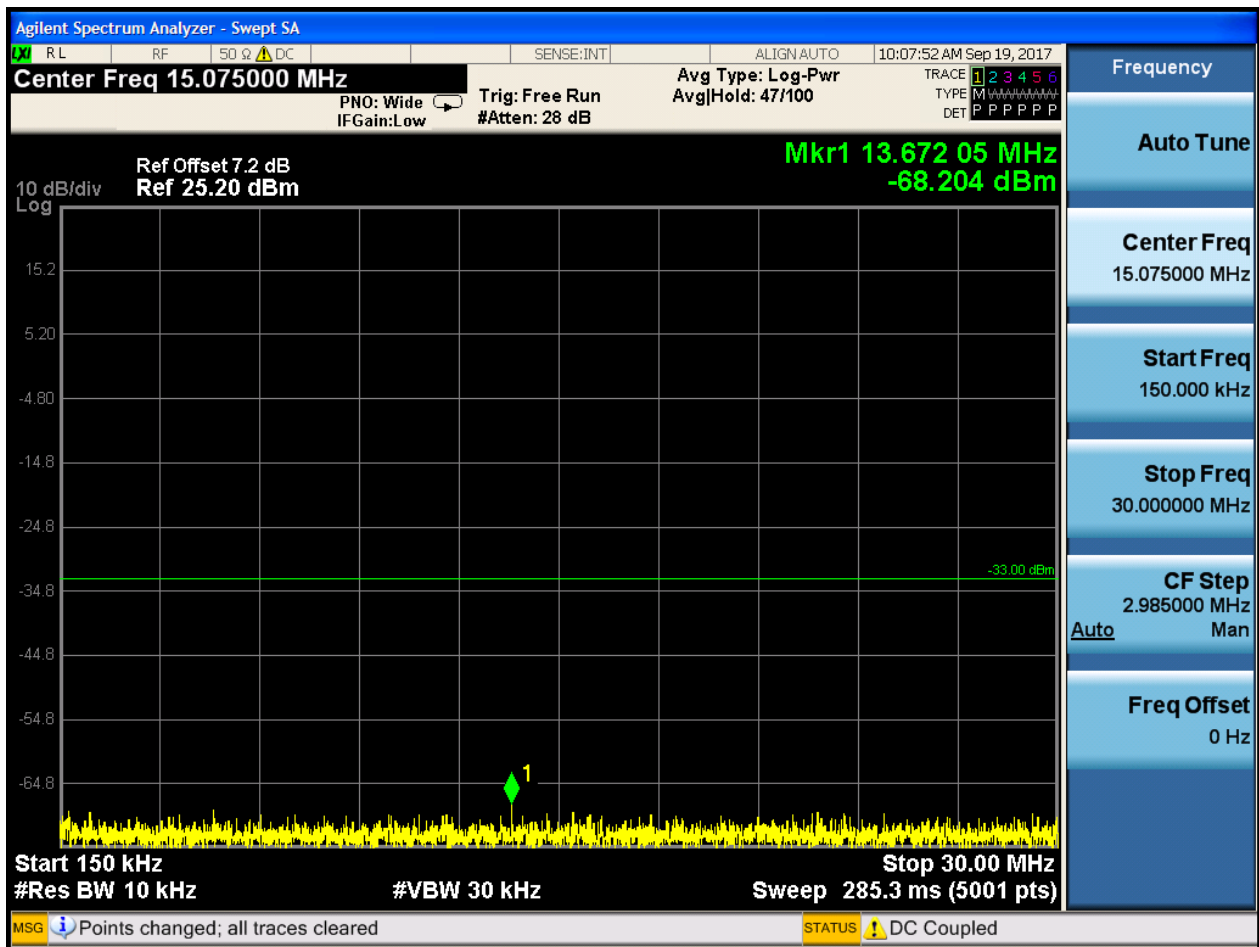
## 6.1.1.2 Test Mode = LTE/TM2

## 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

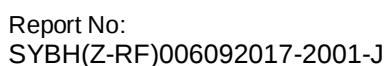


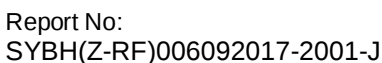


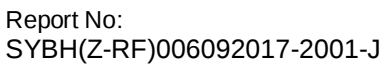




#### 6.1.1.2.1.2.1 Test RB = RB1#0

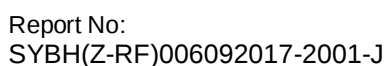




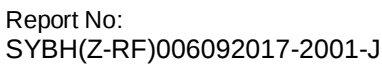




#### 6.1.1.2.1.3.1 Test RB = RB1#0



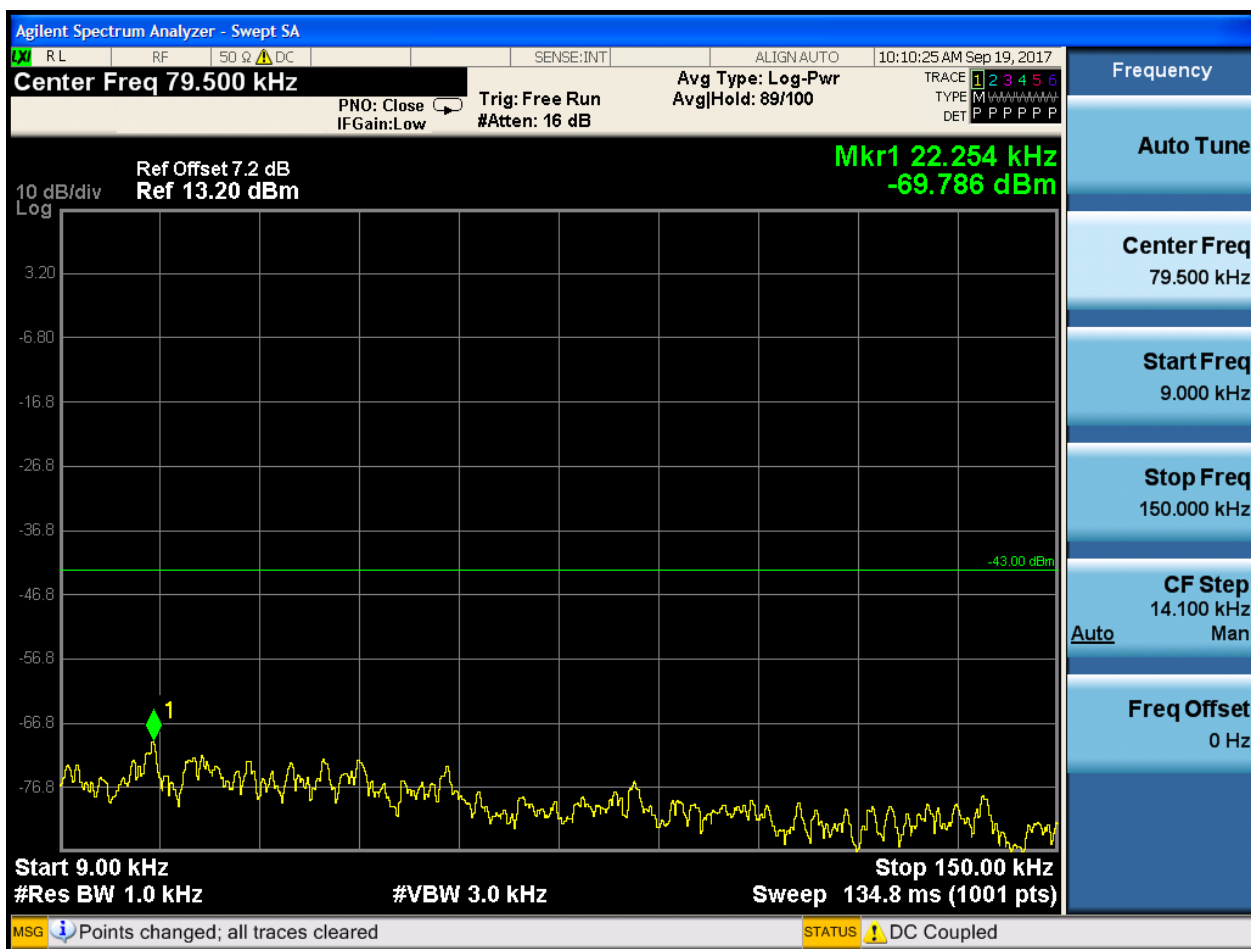




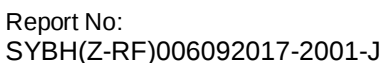
### 6.1.1.2.2 Test Bandwidth = 10

#### 6.1.1.2.2.1 Test Channel = LCH

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

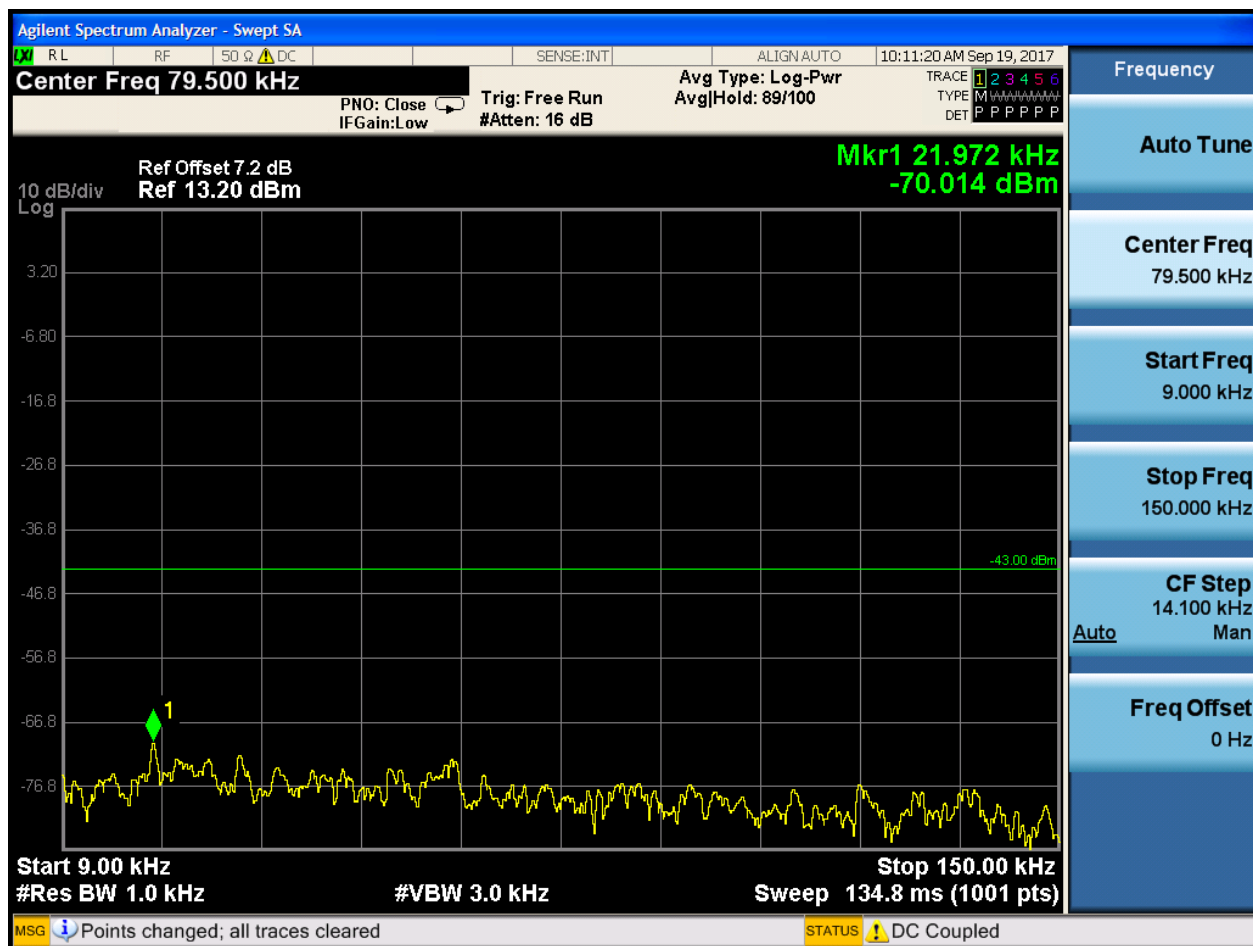


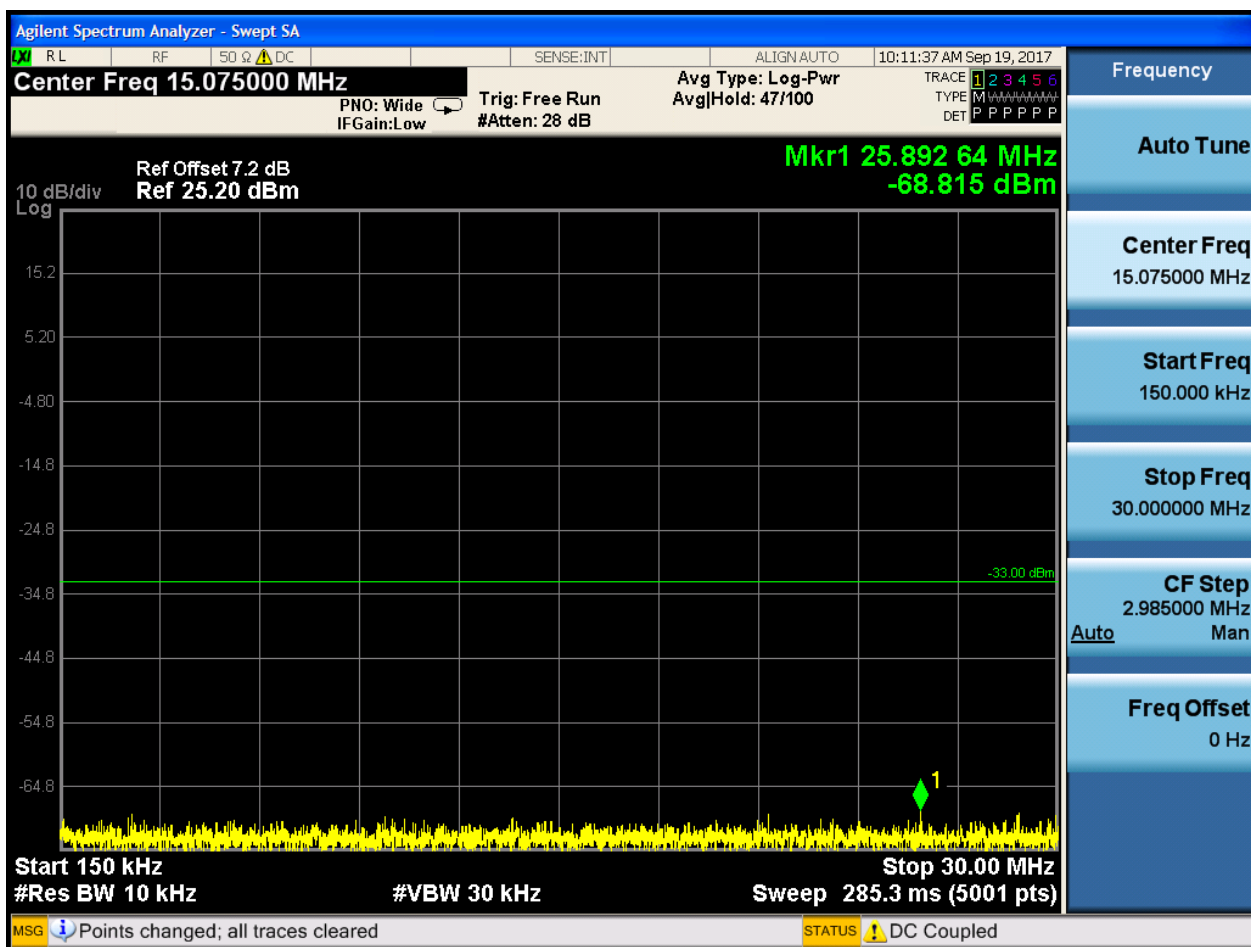




#### 6.1.1.2.2.2 Test Channel = MCH

#### 6.1.1.2.2.2.1 Test RB = RB1#0

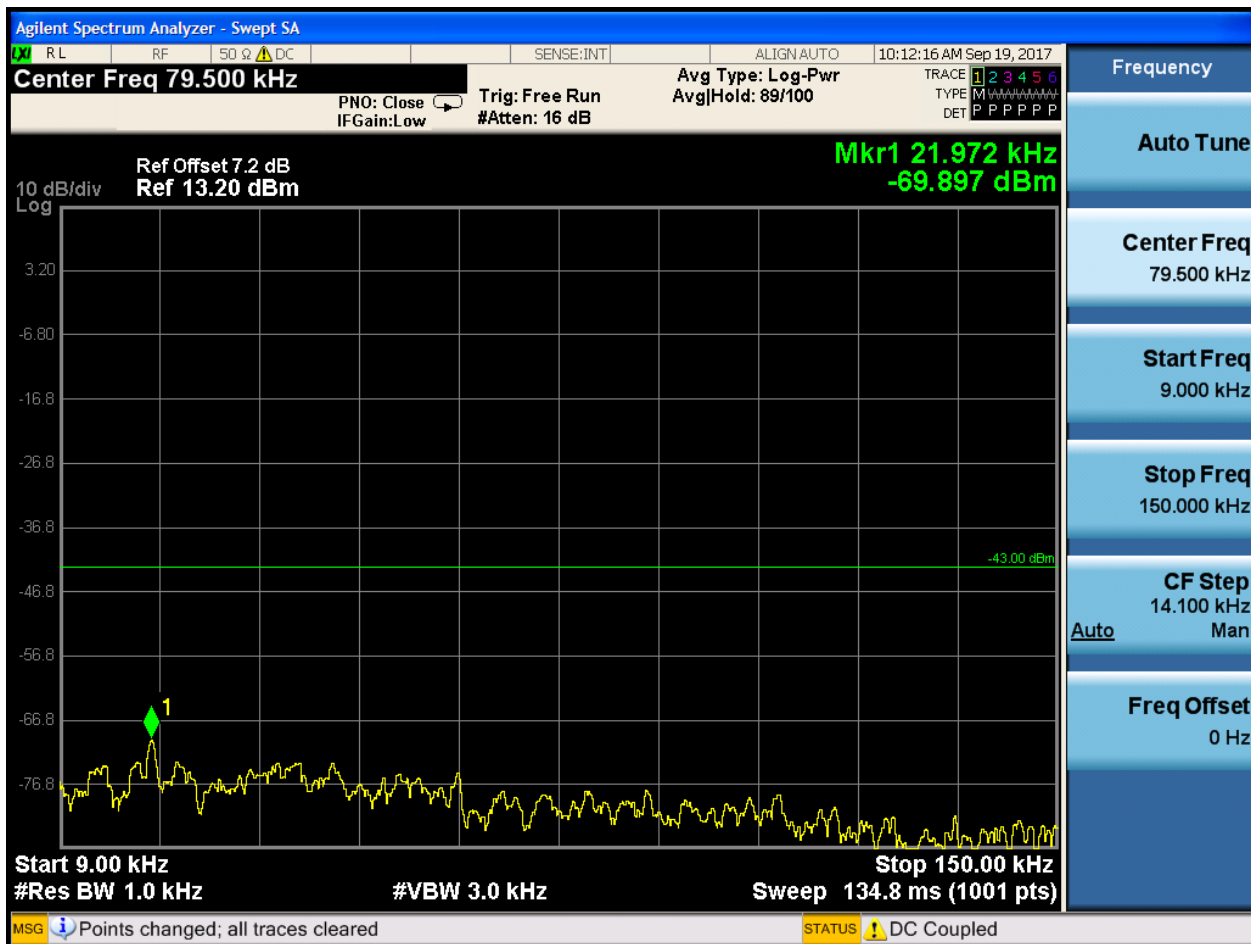


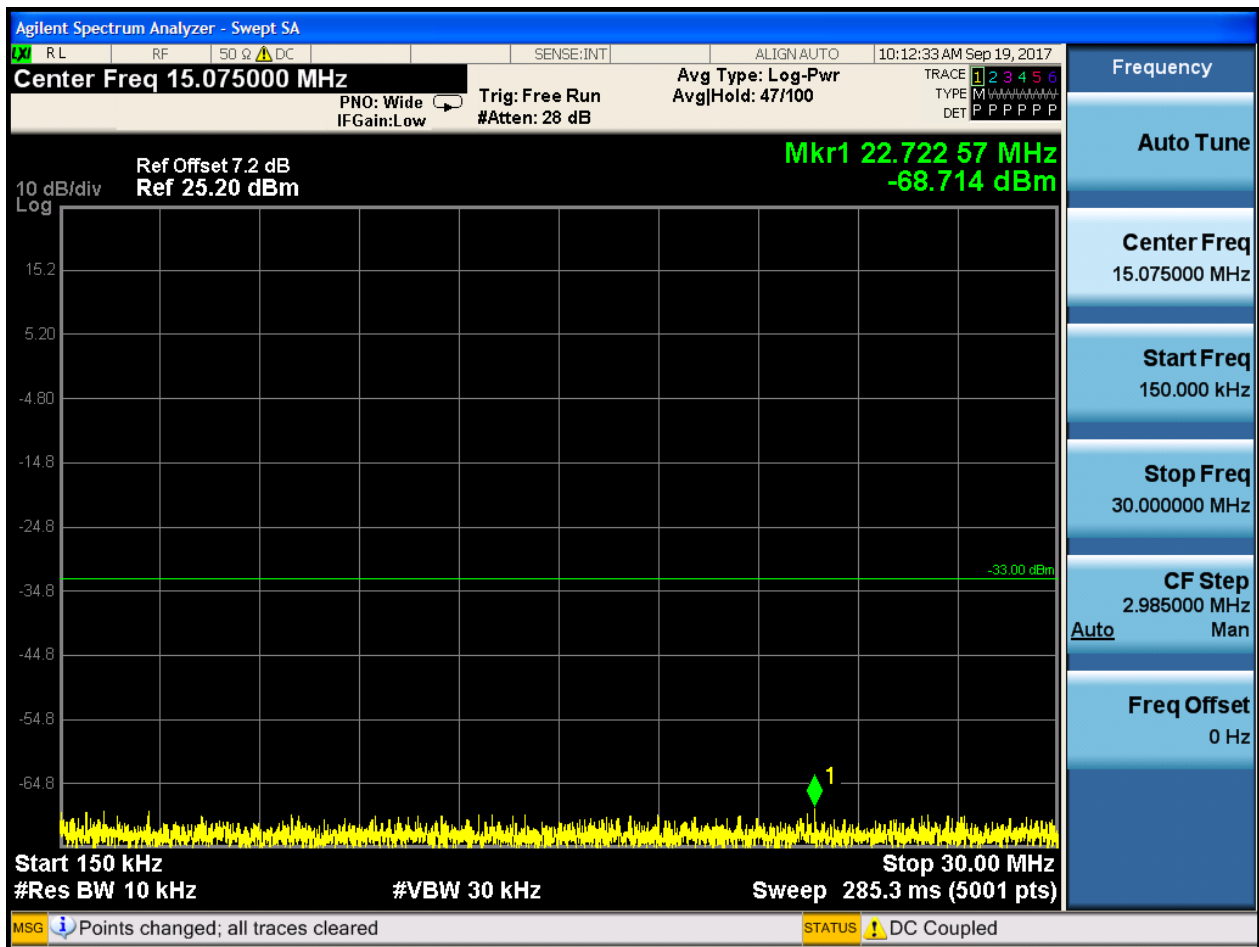


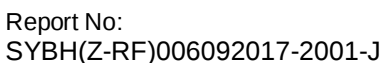


### 6.1.1.2.2.3 Test Channel = HCH

#### 6.1.1.2.2.3.1 Test RB = RB1#0



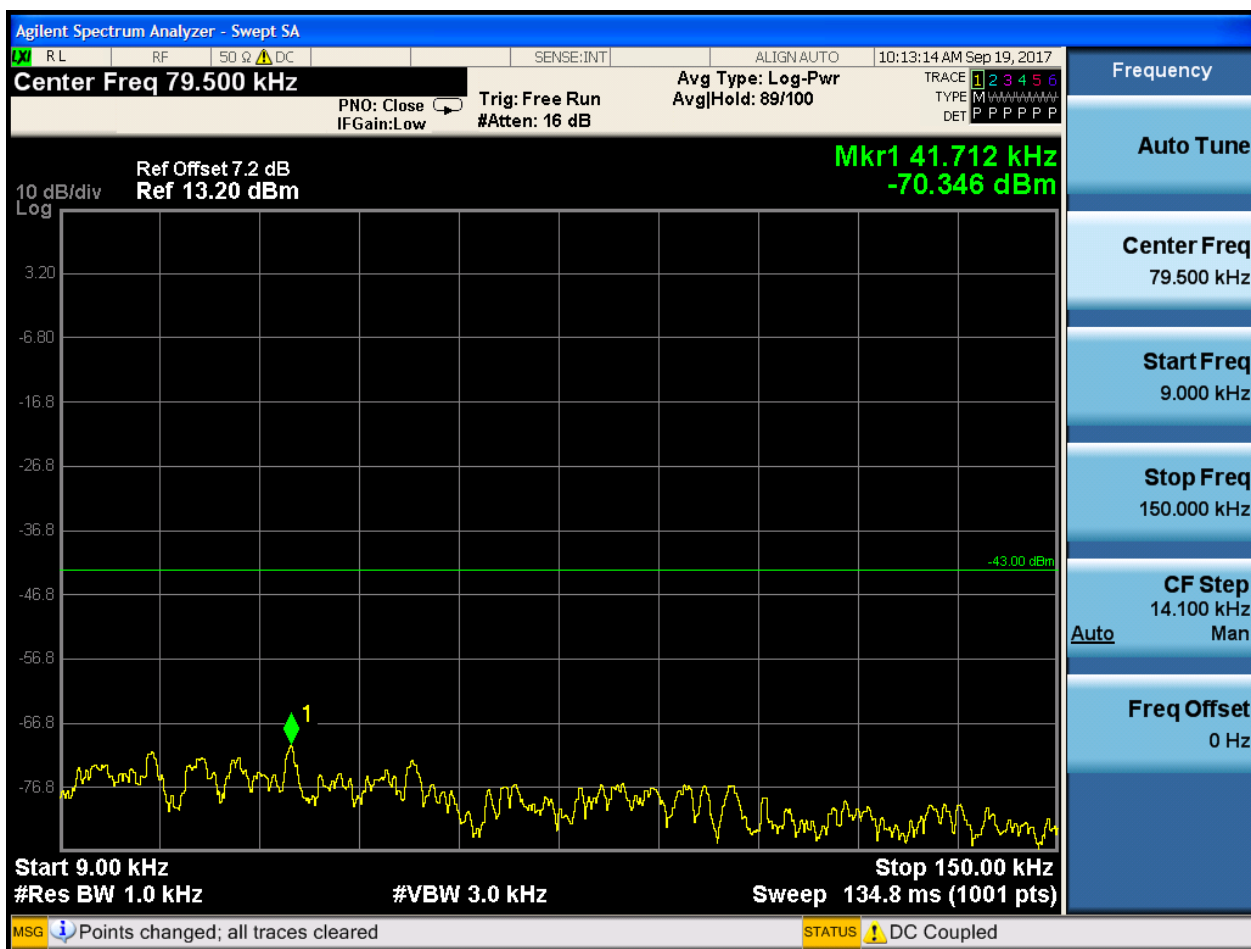


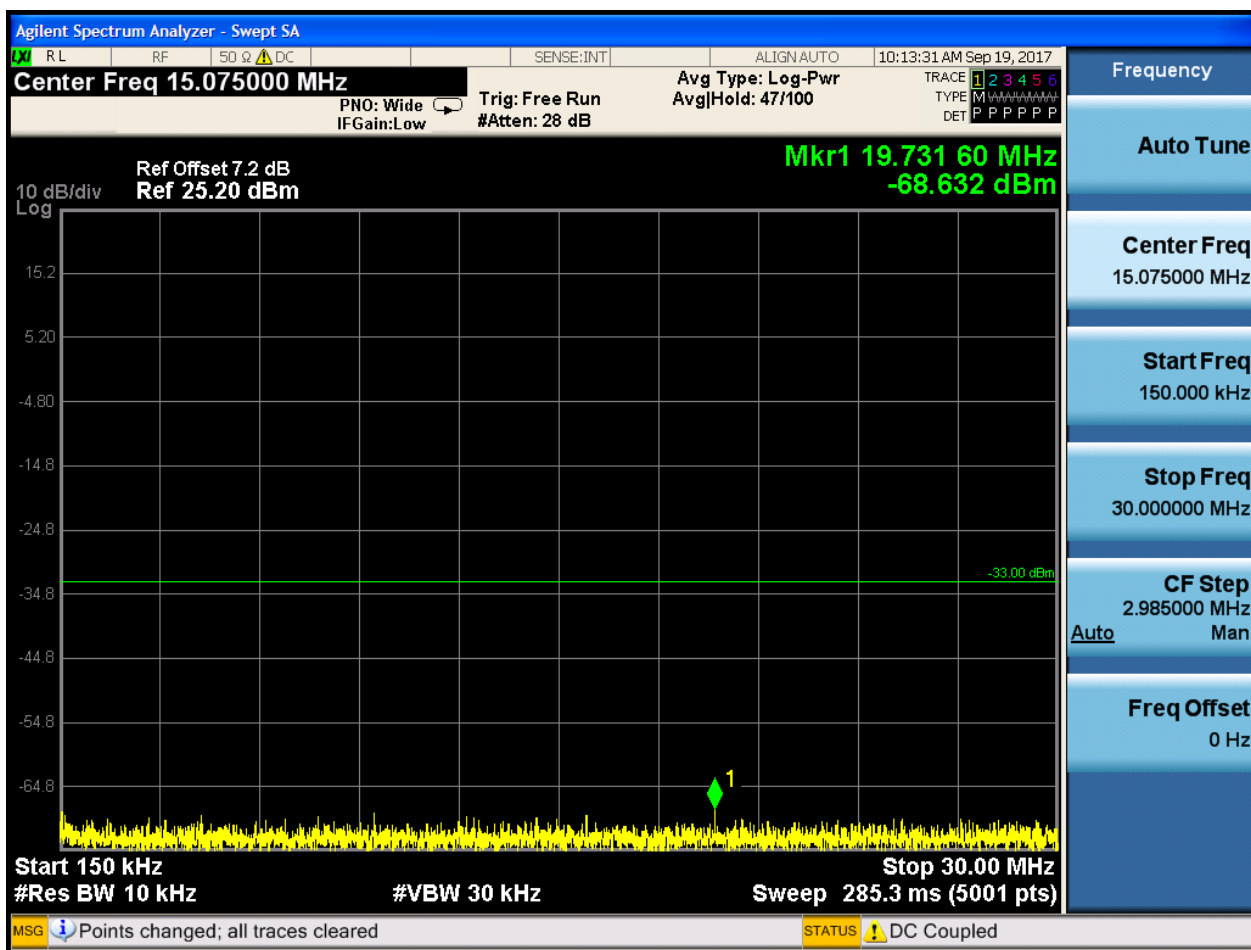


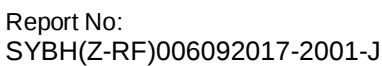
### 6.1.1.2.3 Test Bandwidth = 15

#### 6.1.1.2.3.1 Test Channel = LCH

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



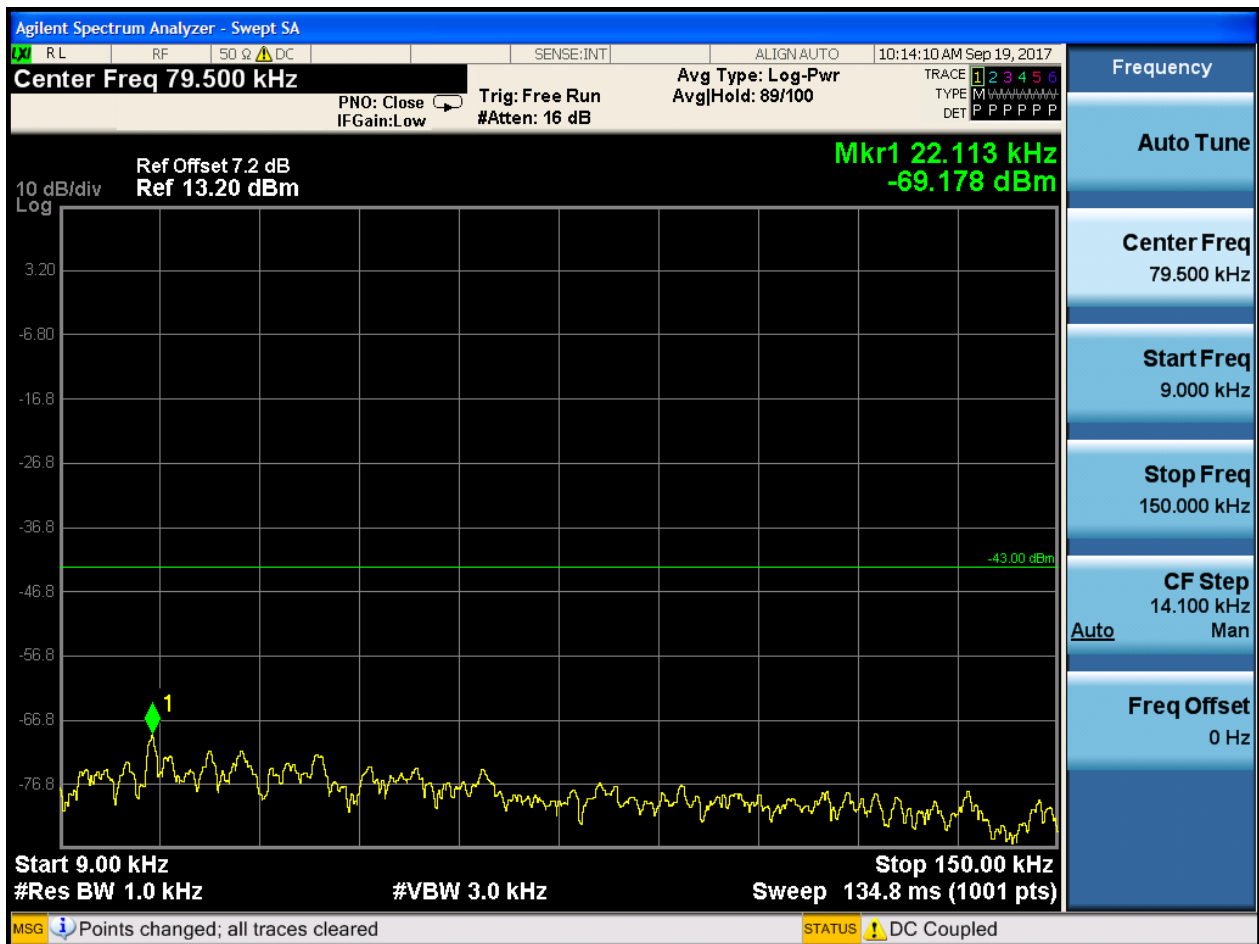


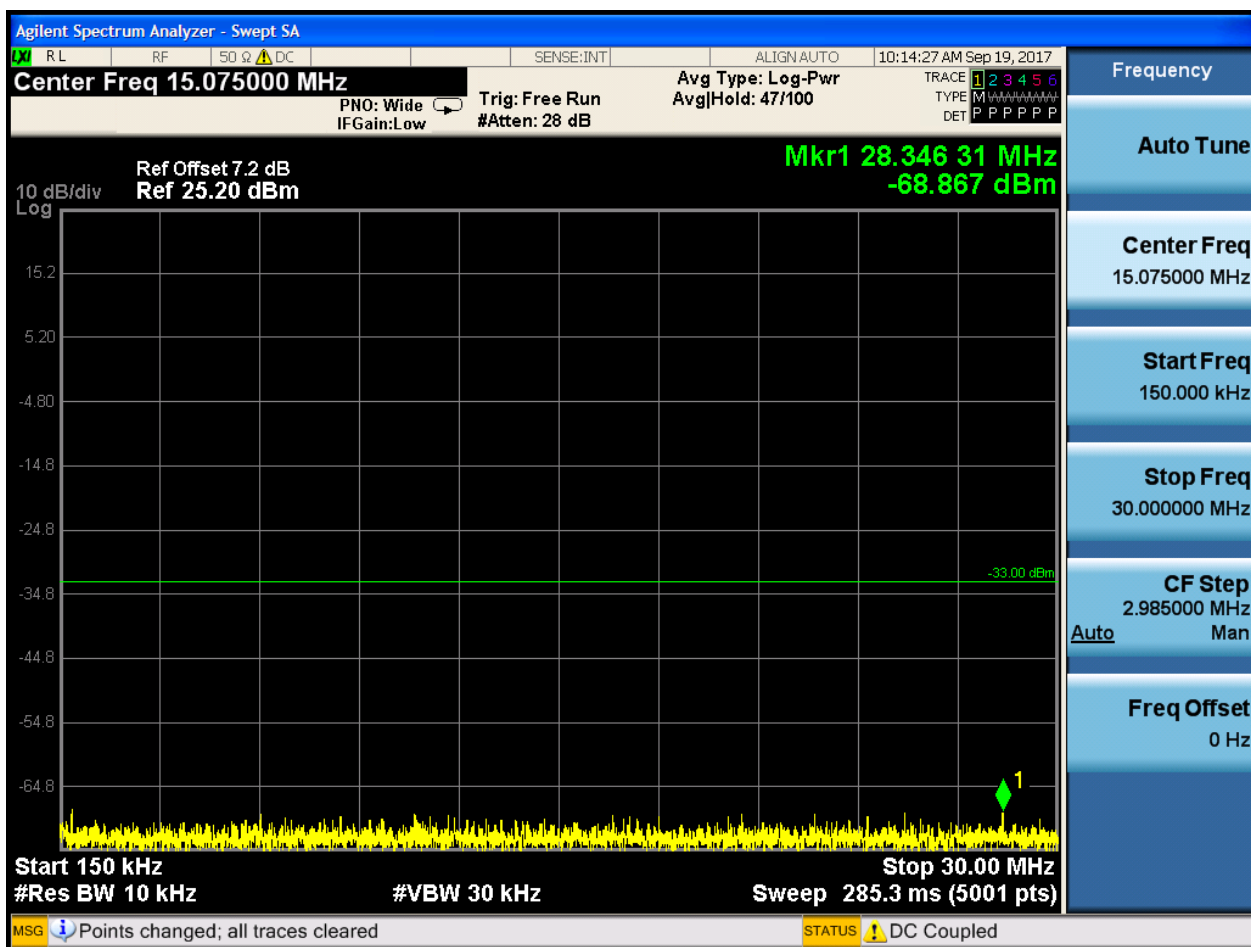


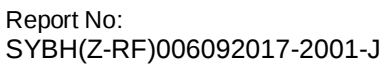


## 6.1.1.2.3.2 Test Channel = MCH

## 6.1.1.2.3.2.1 Test RB = RB1#0

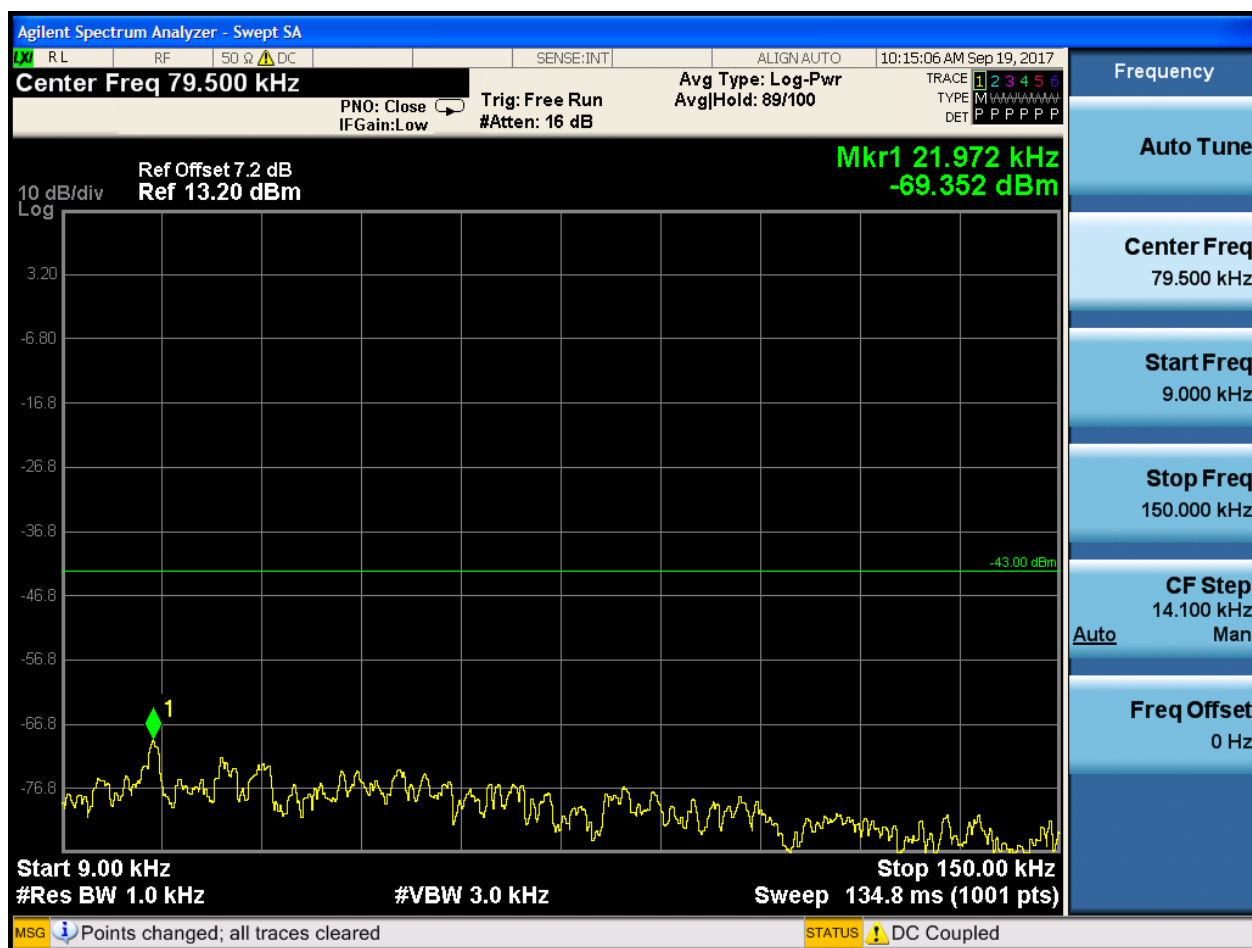


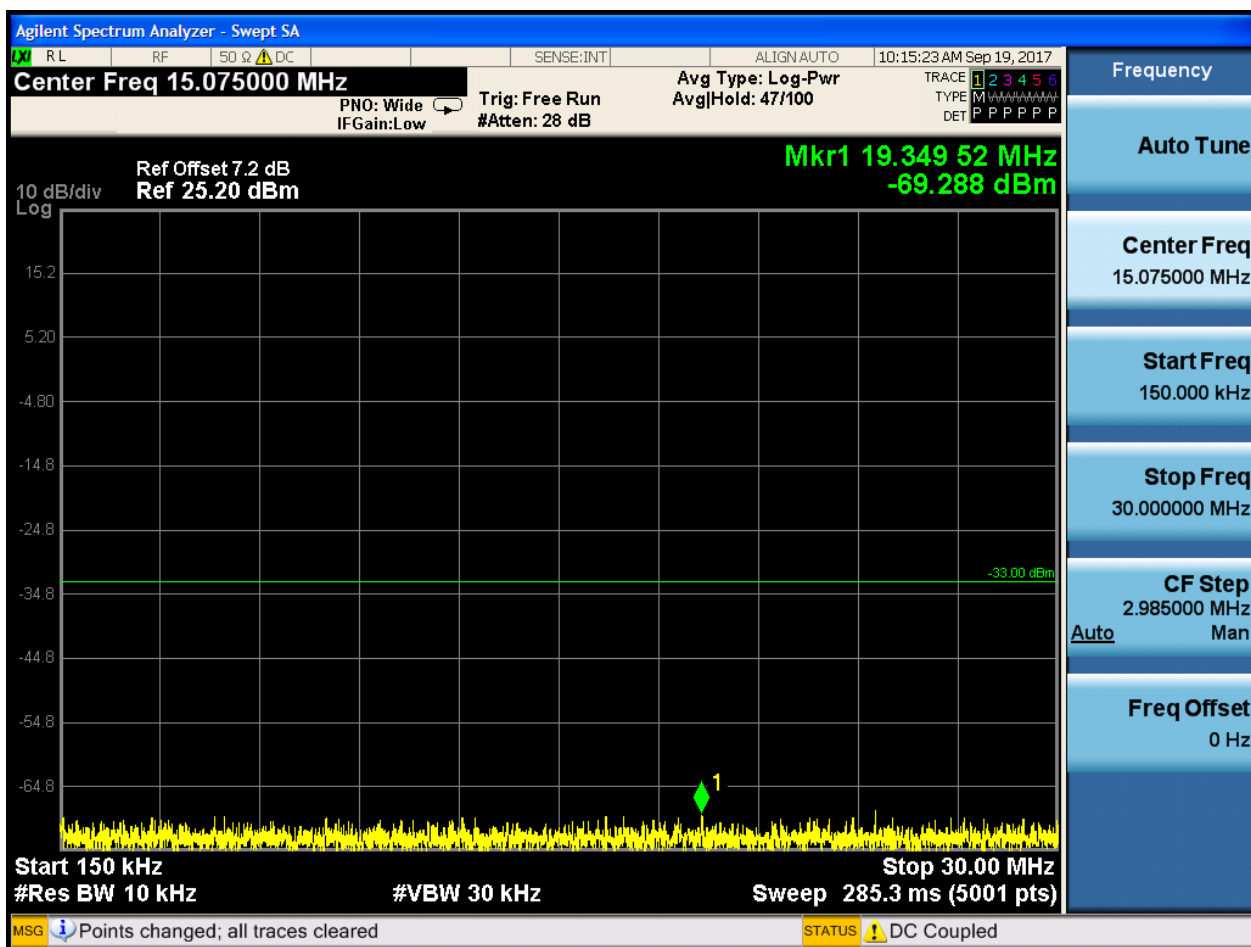


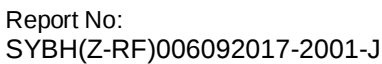


#### 6.1.1.2.3.3 Test Channel = HCH

#### 6.1.1.2.3.3.1 Test RB = RB1#0



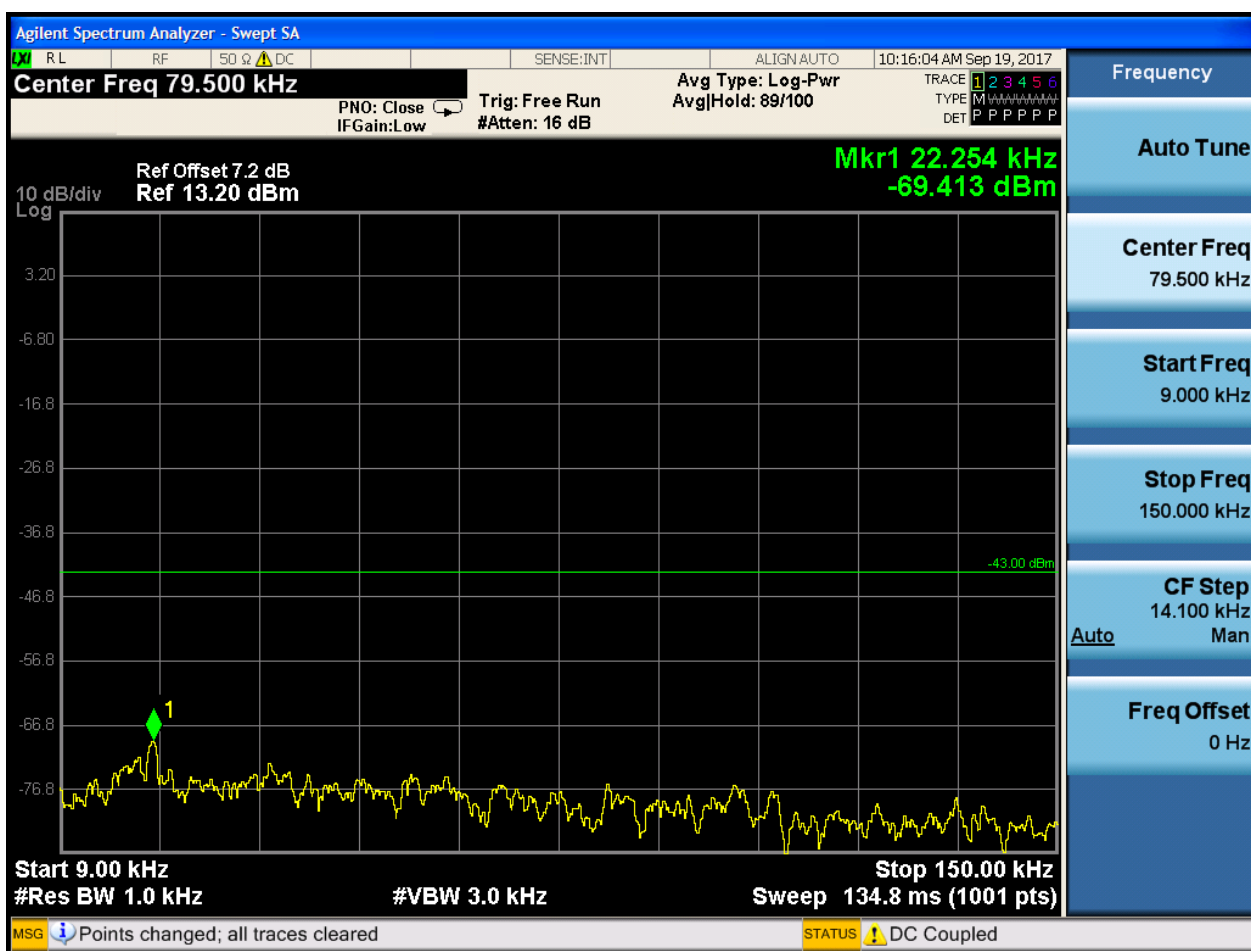


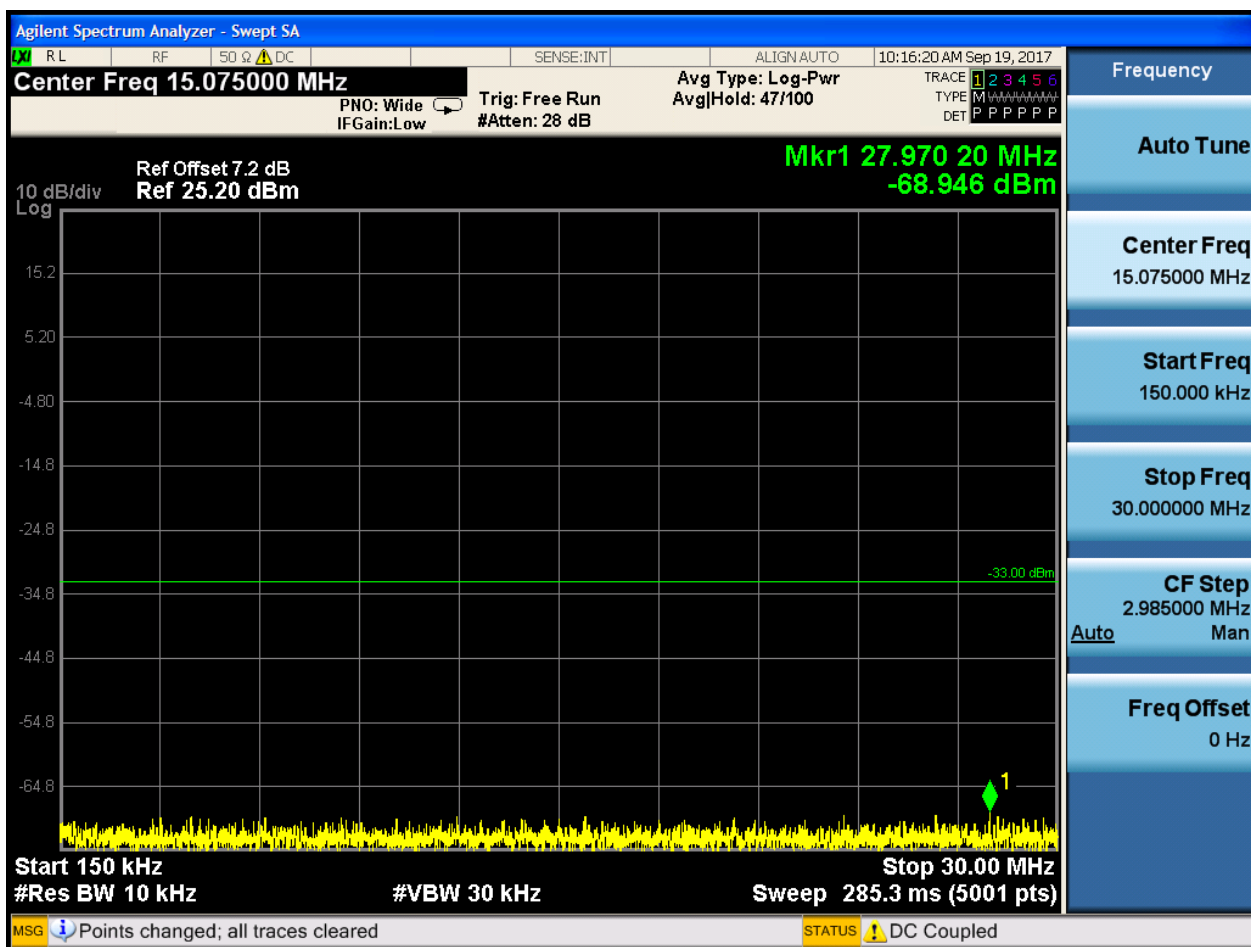


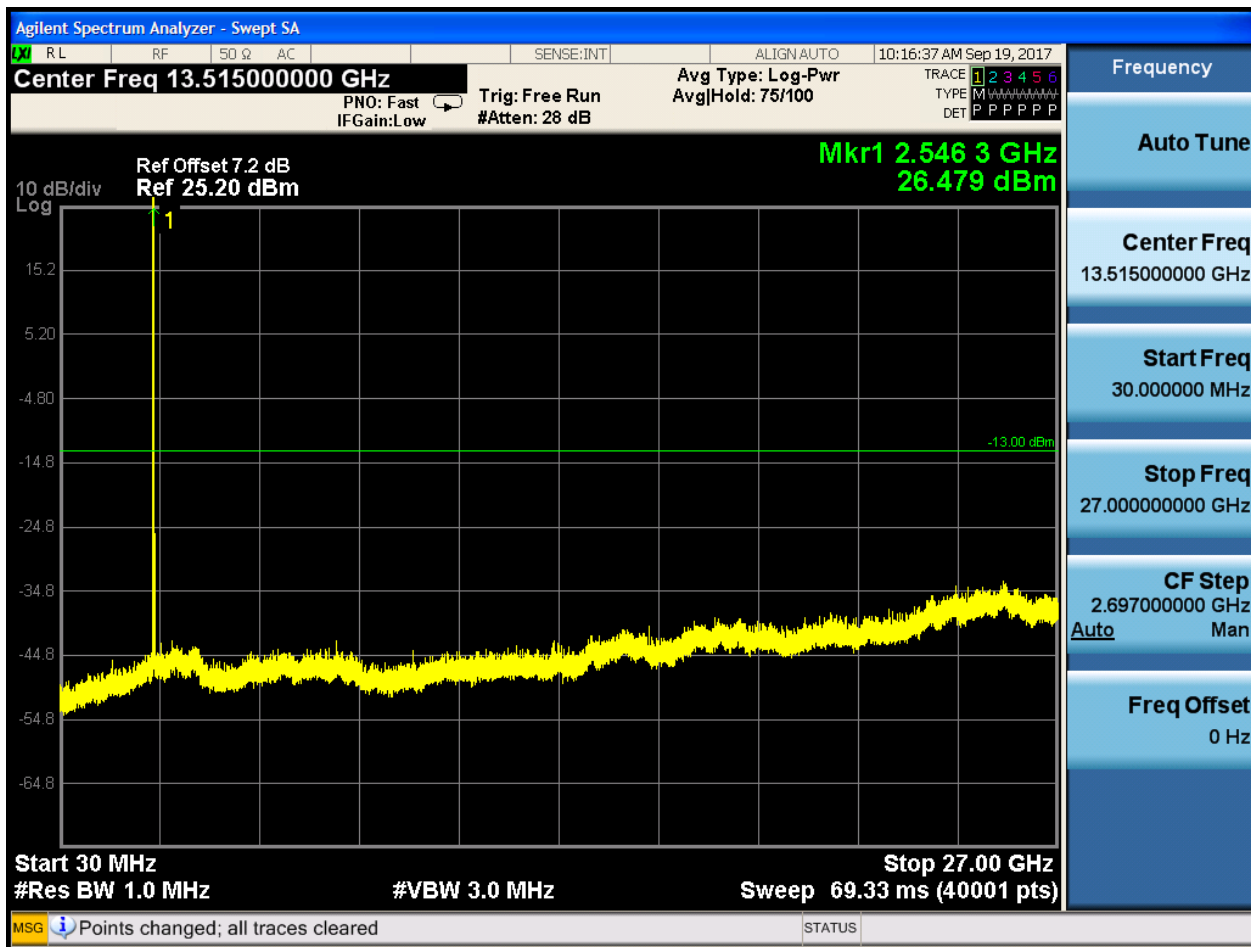
#### 6.1.1.2.4 Test Bandwidth = 20

##### 6.1.1.2.4.1 Test Channel = LCH

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

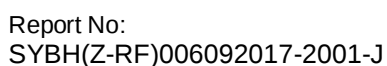


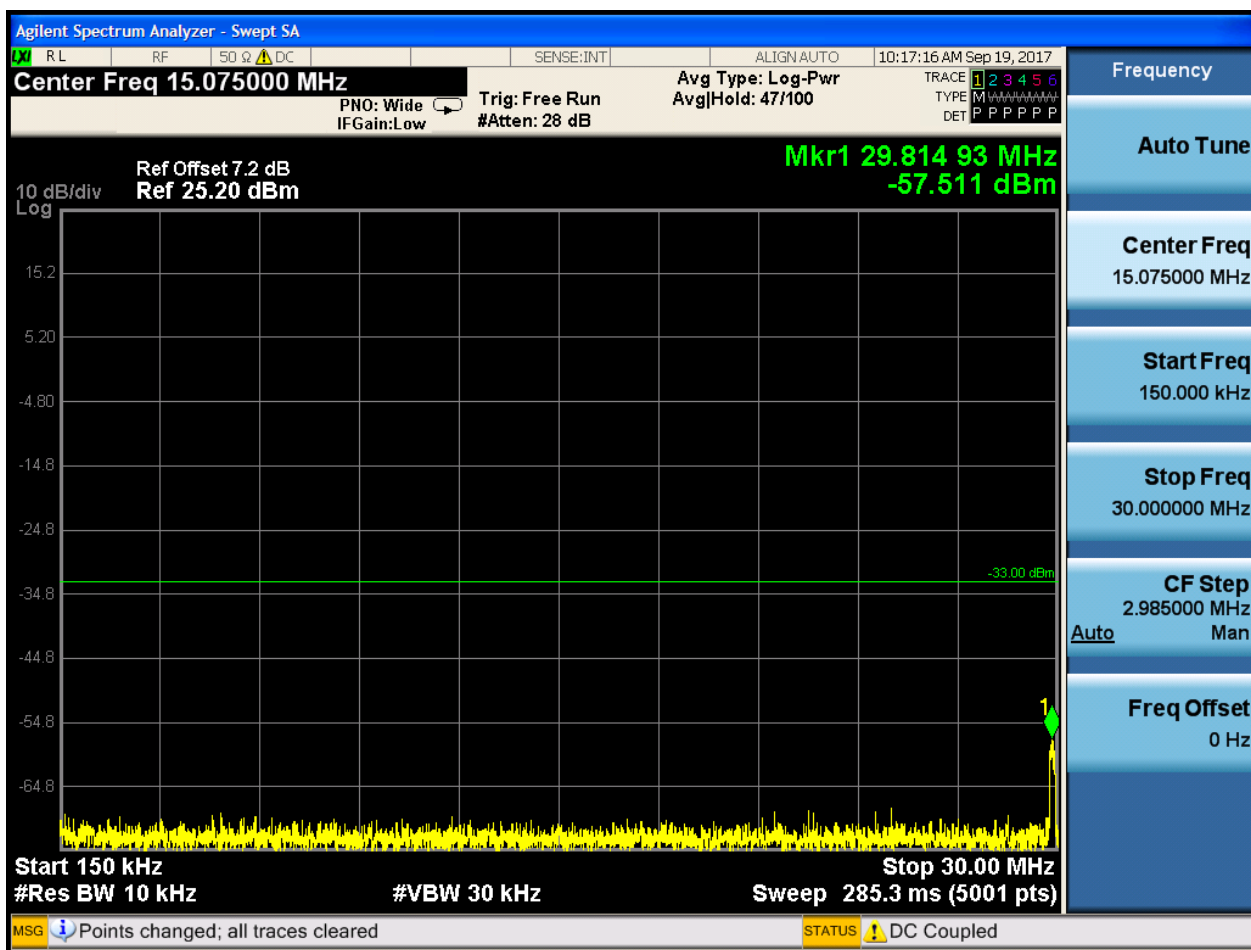


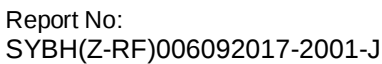




#### 6.1.1.2.4.2.1 Test RB = RB1#0



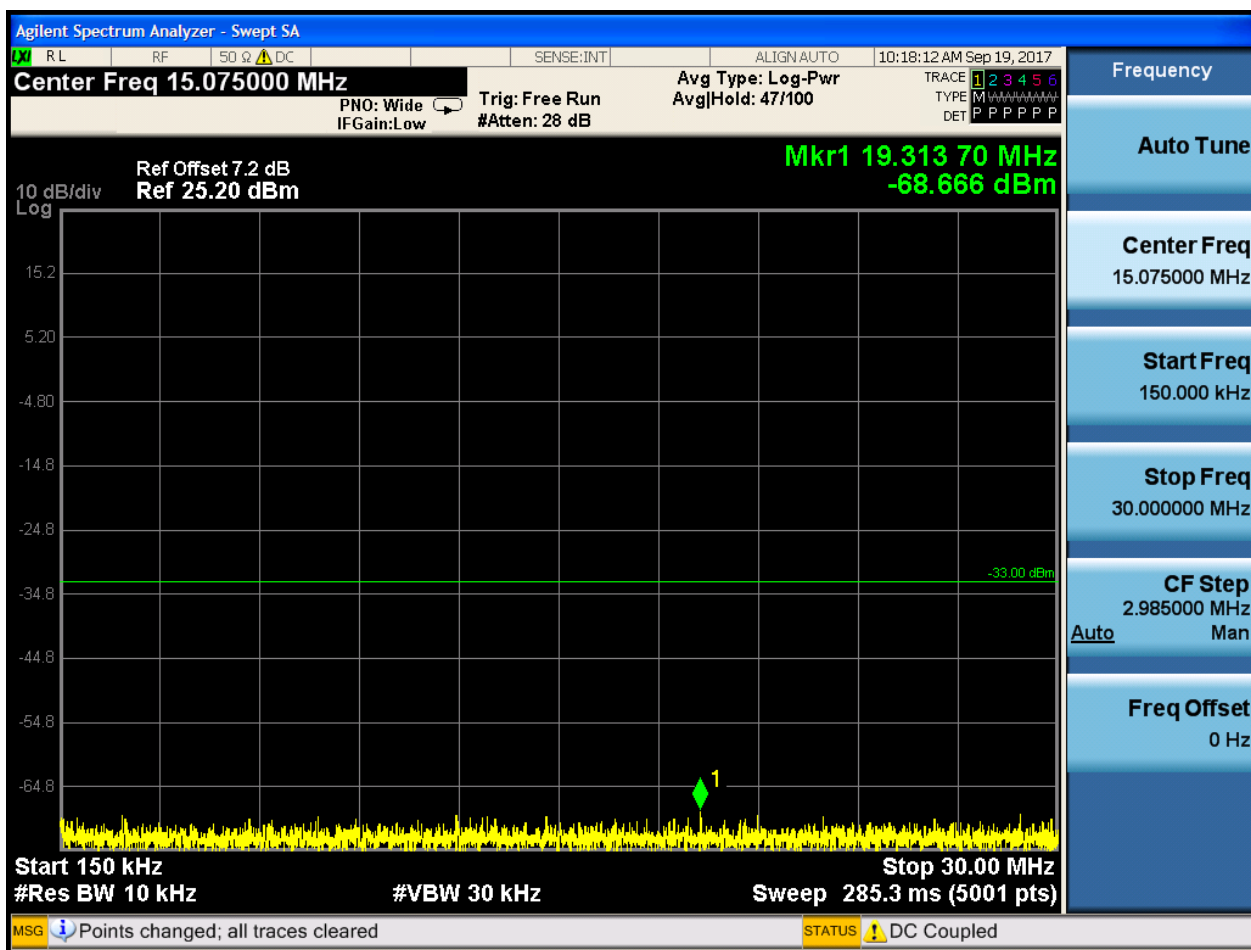


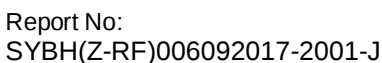


#### 6.1.1.2.4.3 Test Channel = HCH

#### 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

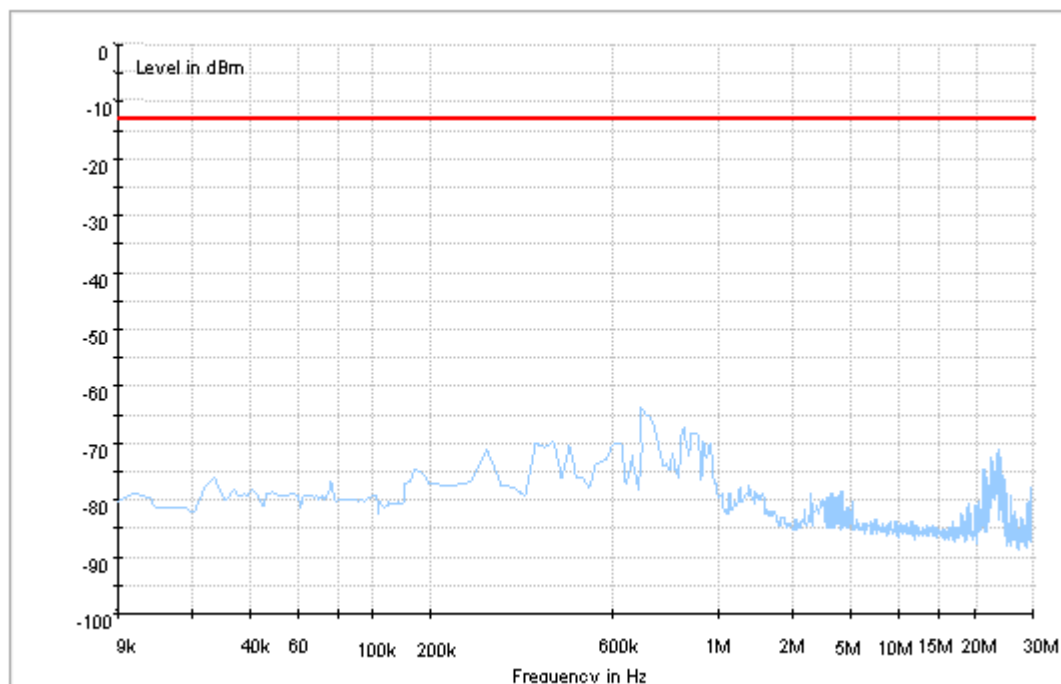
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

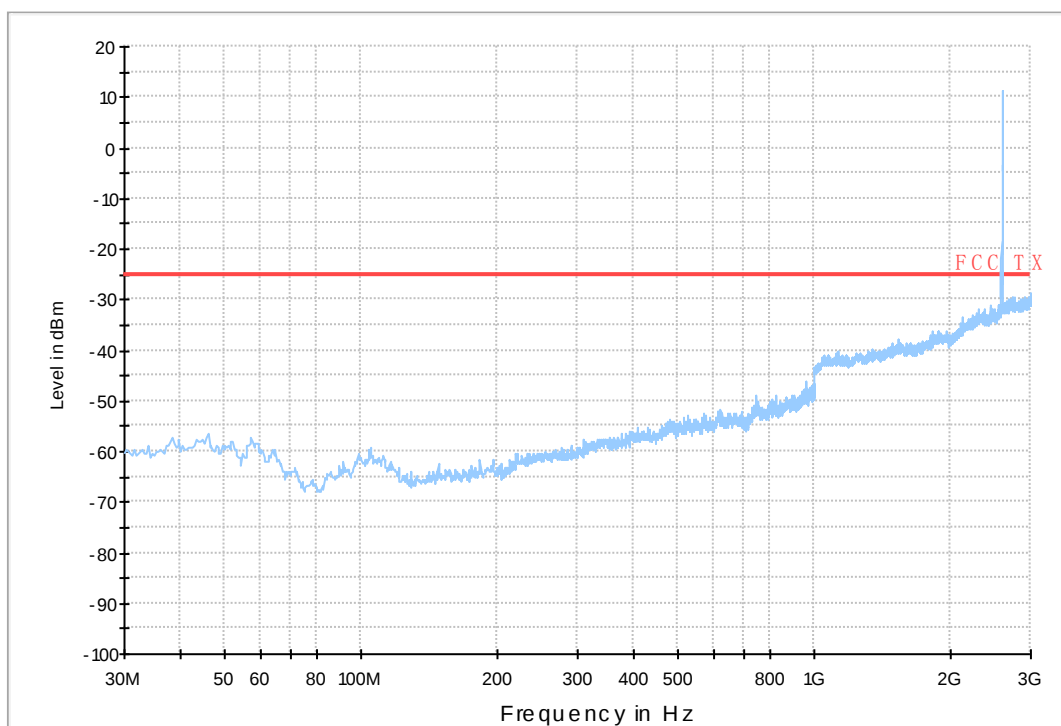
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND41\_Ant1

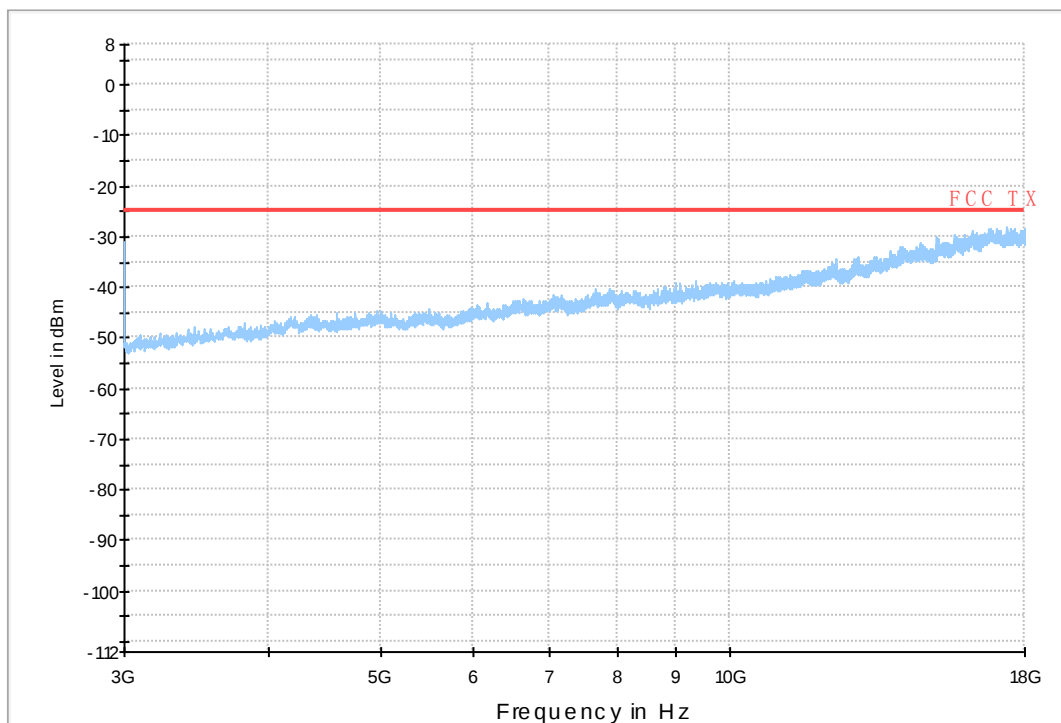
##### 7.1.1.1 Test Bandwidth = 5

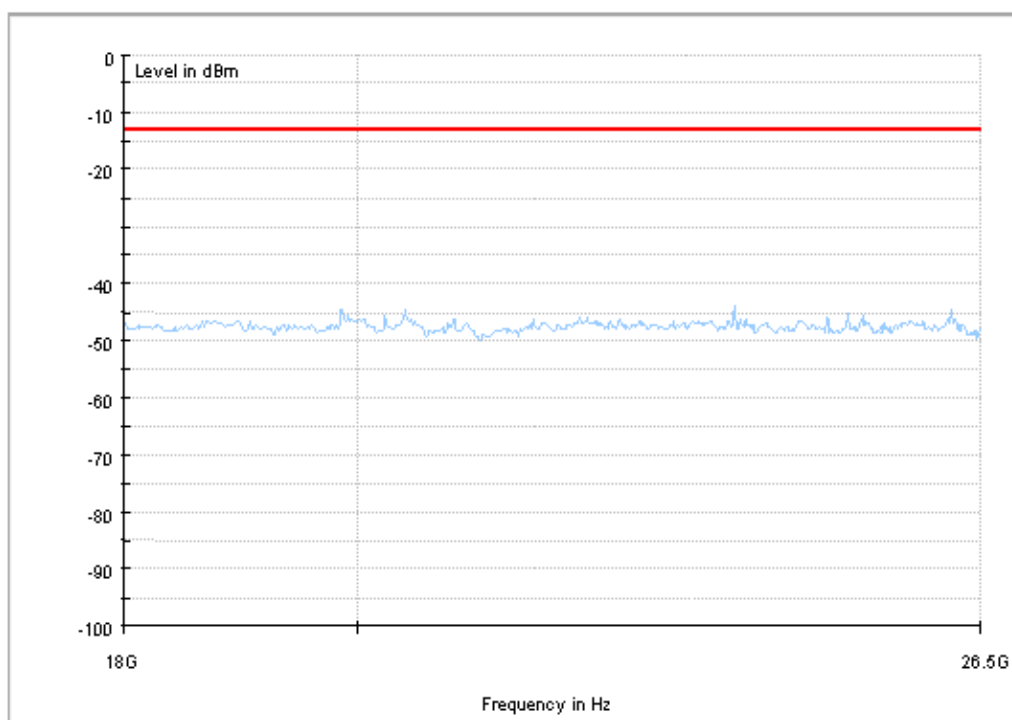


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L

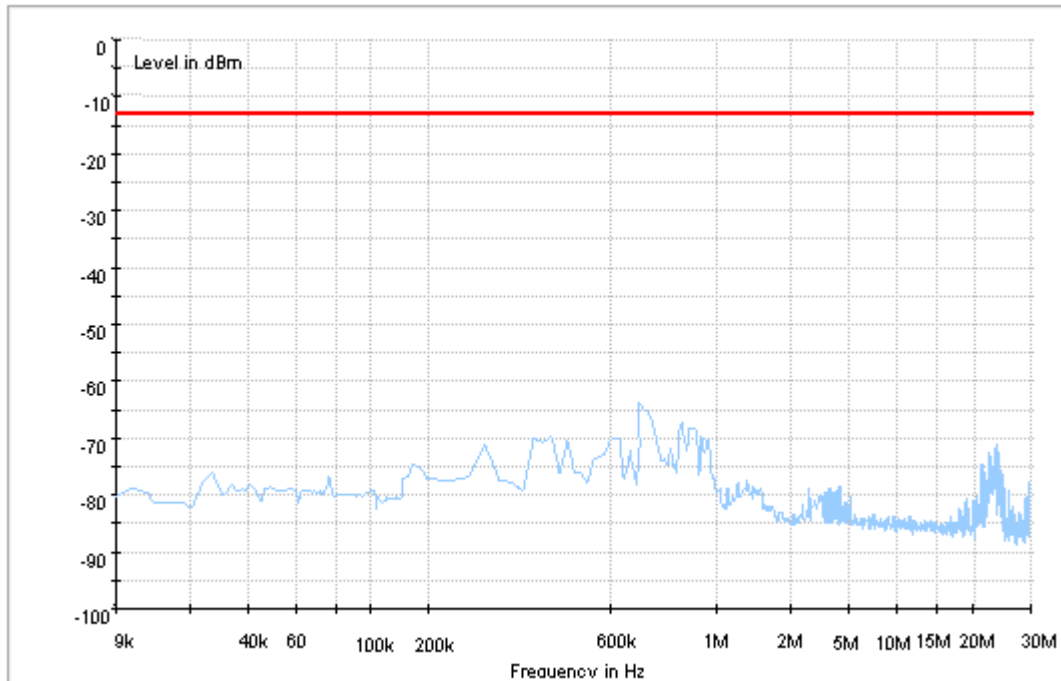


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H

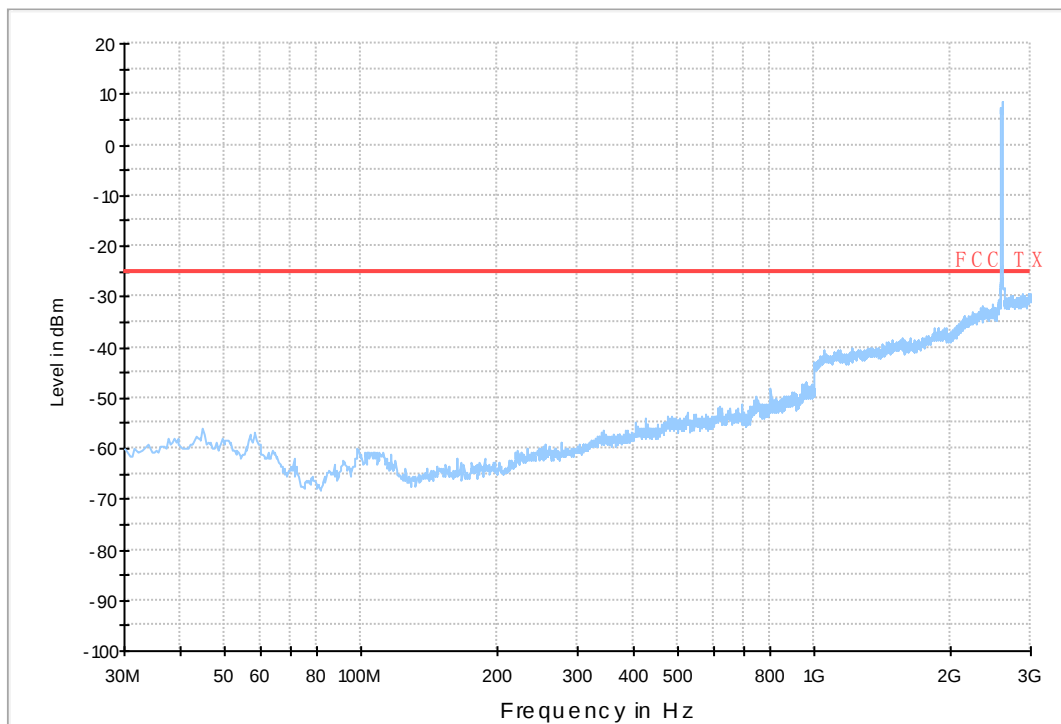




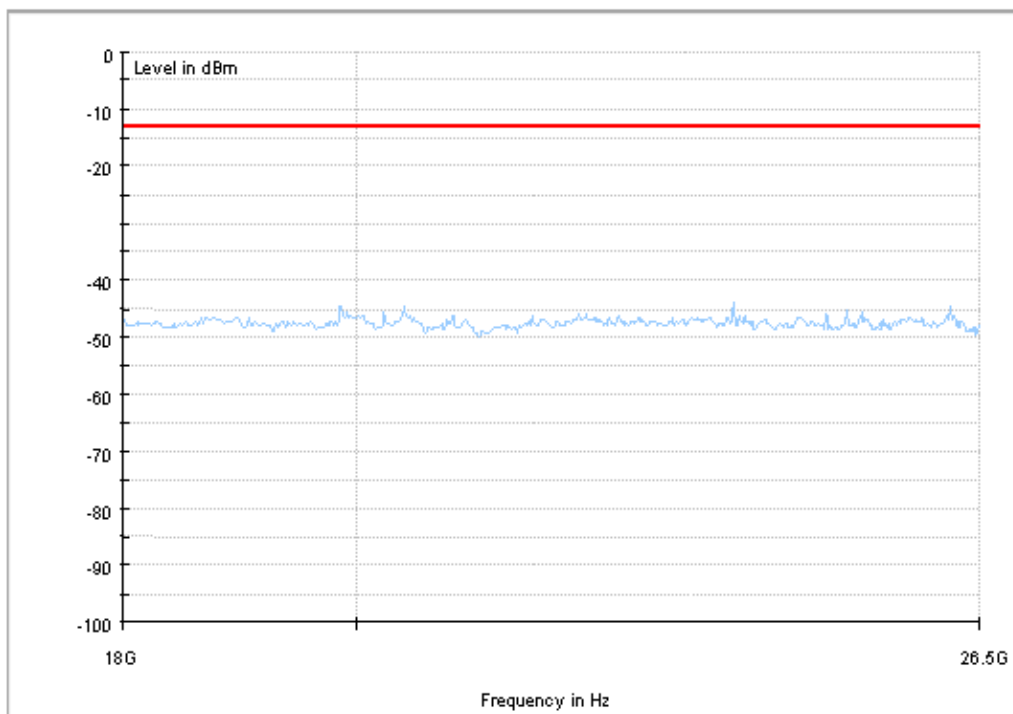
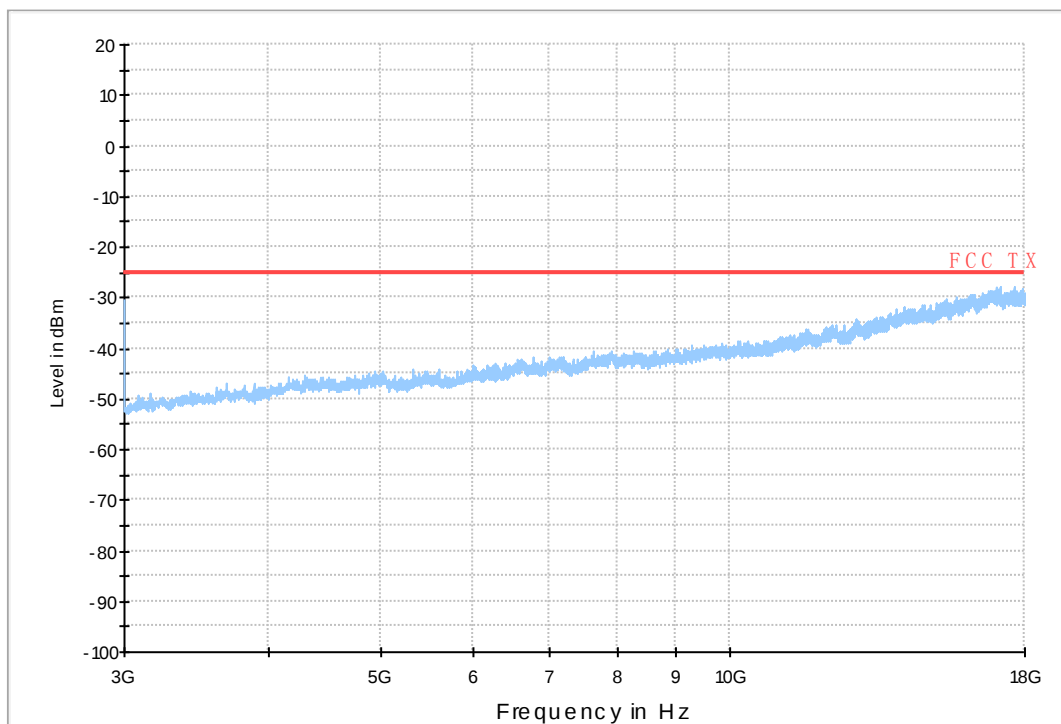
### 7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L

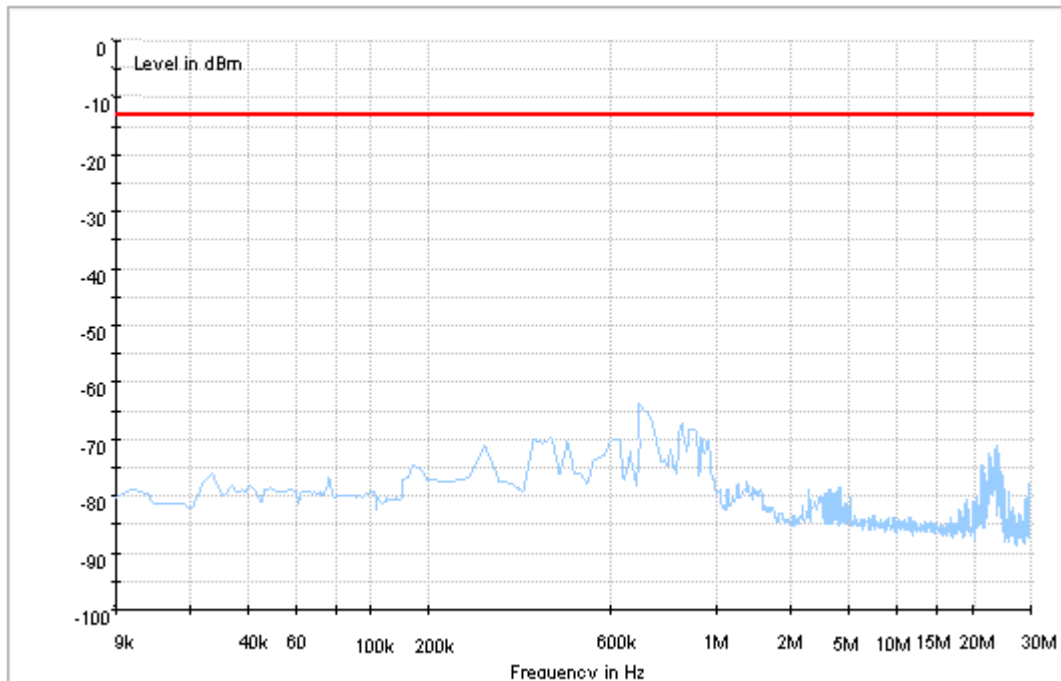


## Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H

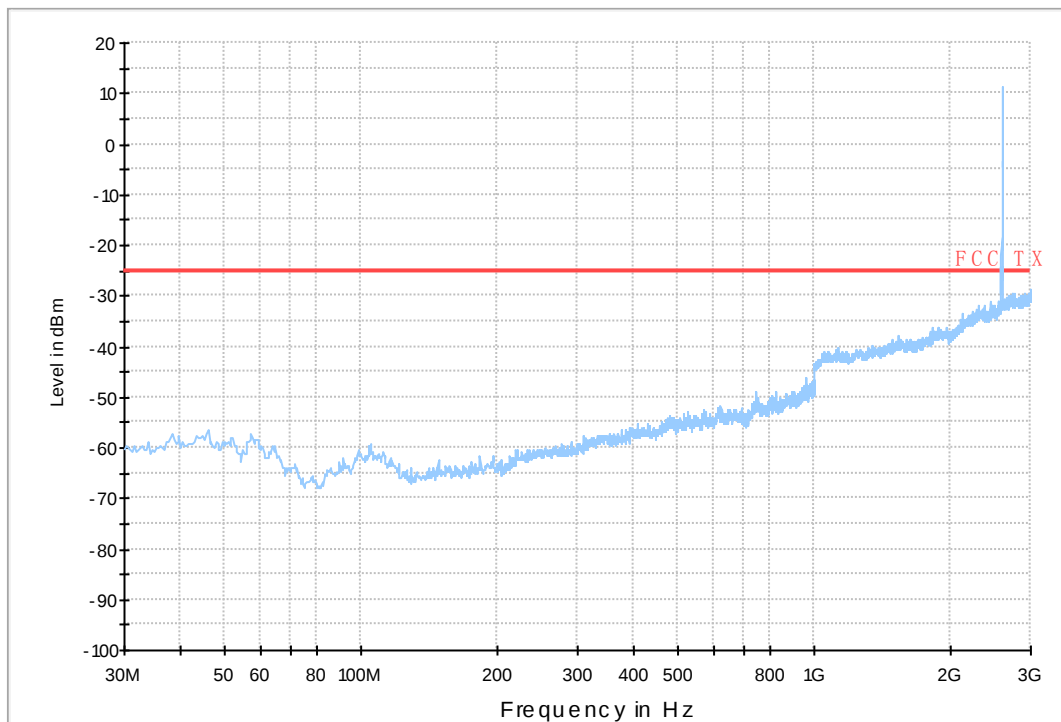


## 7.1.2 Test Band = BAND41\_Ant2

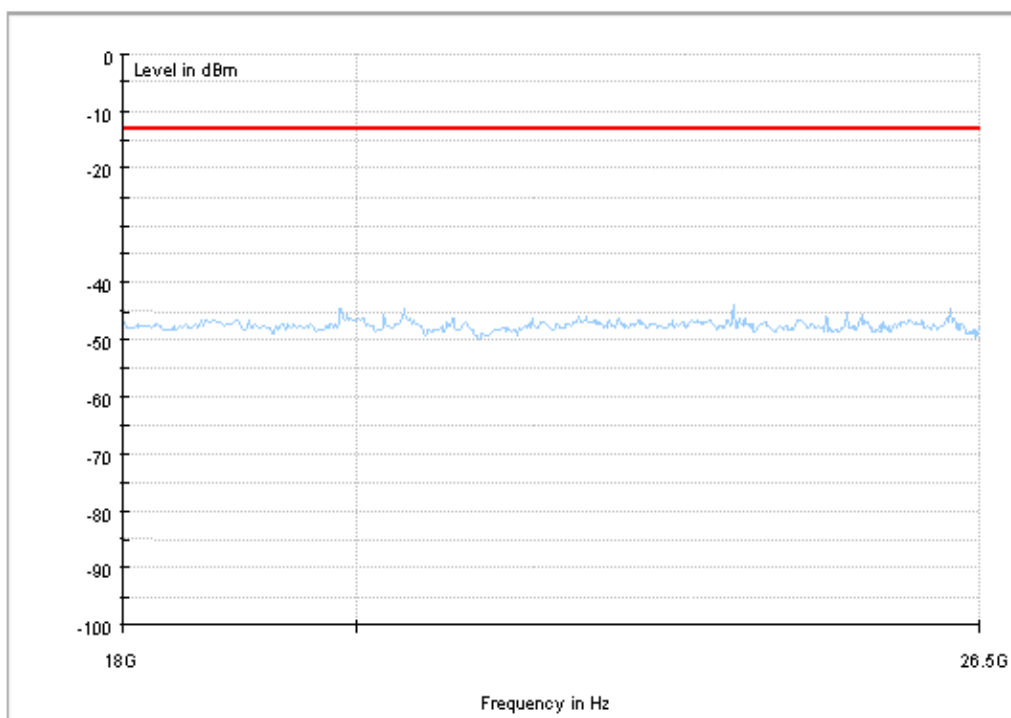
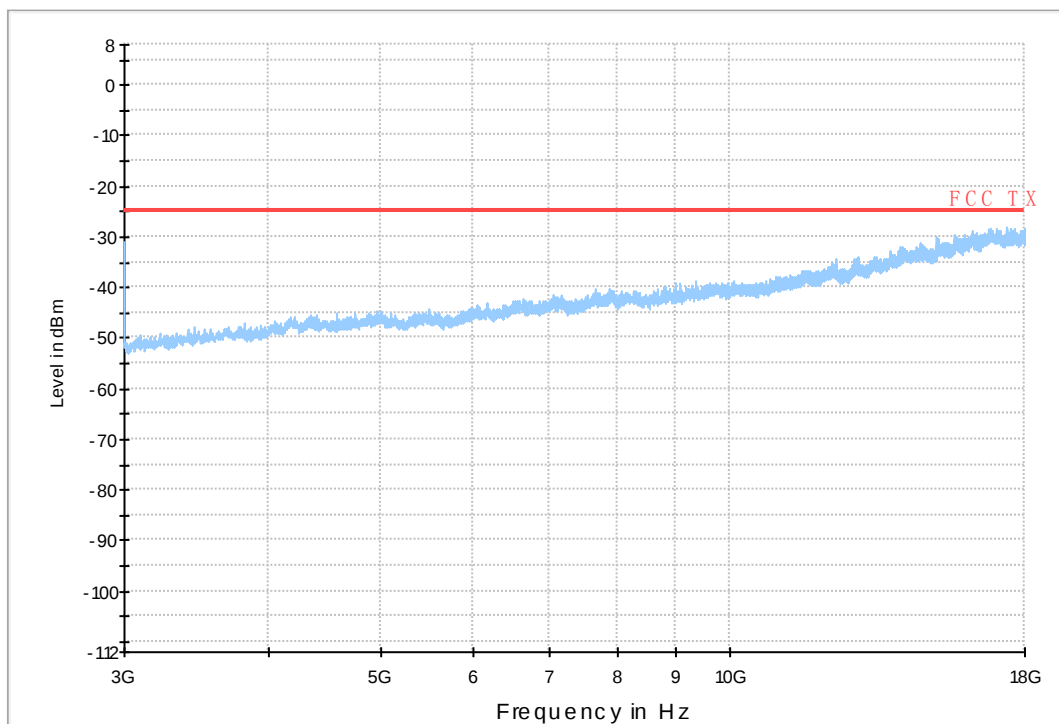
### 7.1.2.1 Test Bandwidth = 5



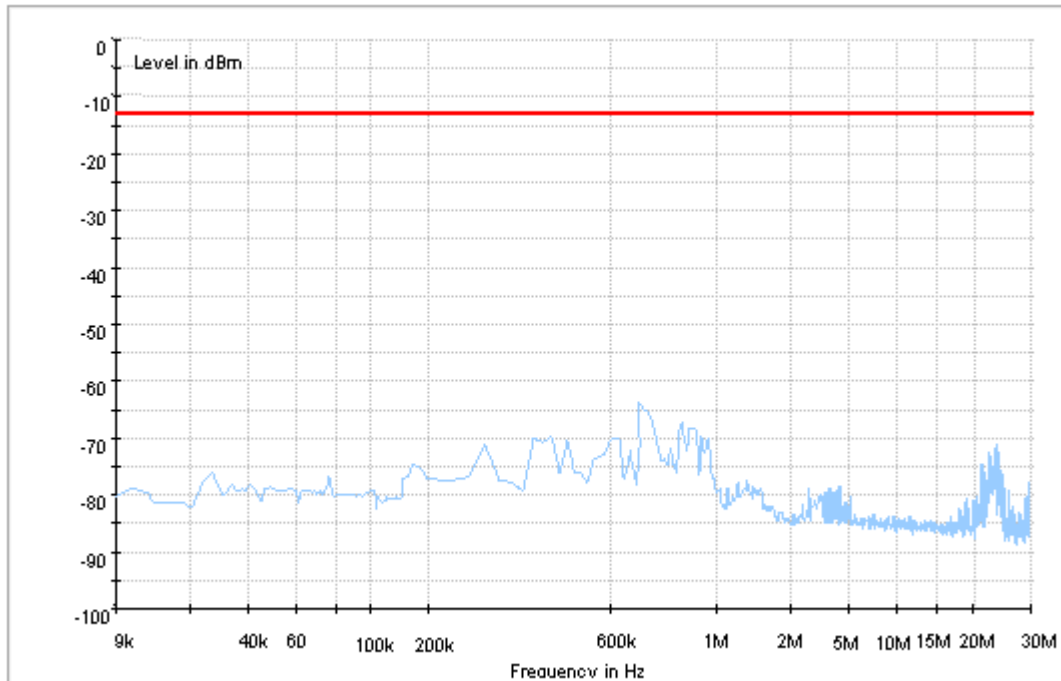
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



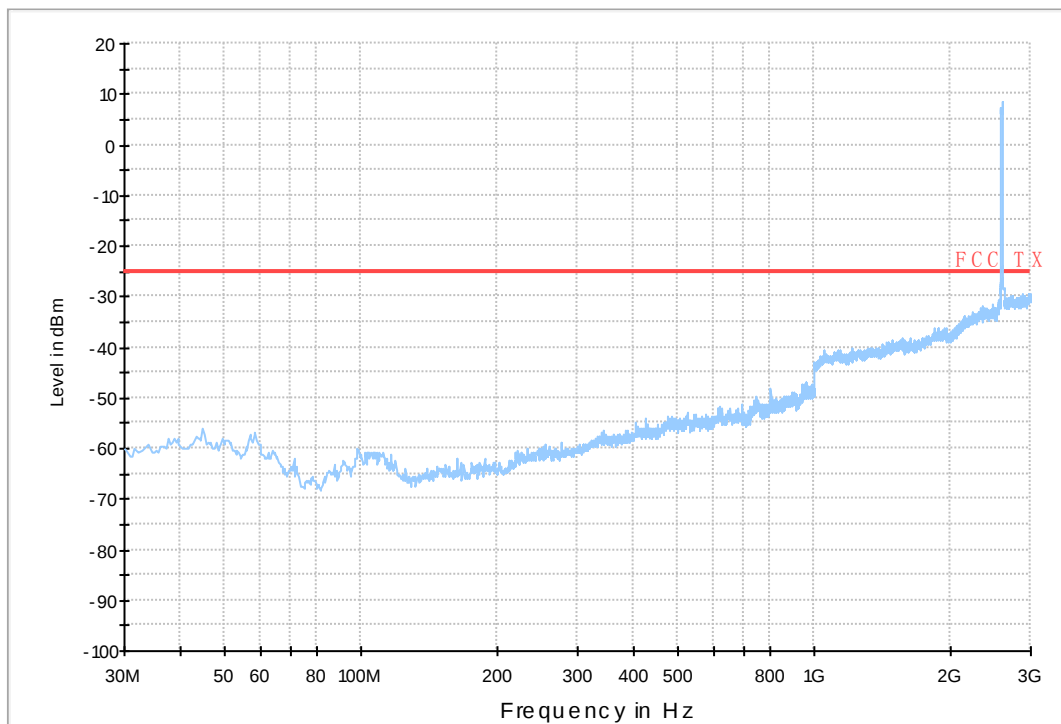
## Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



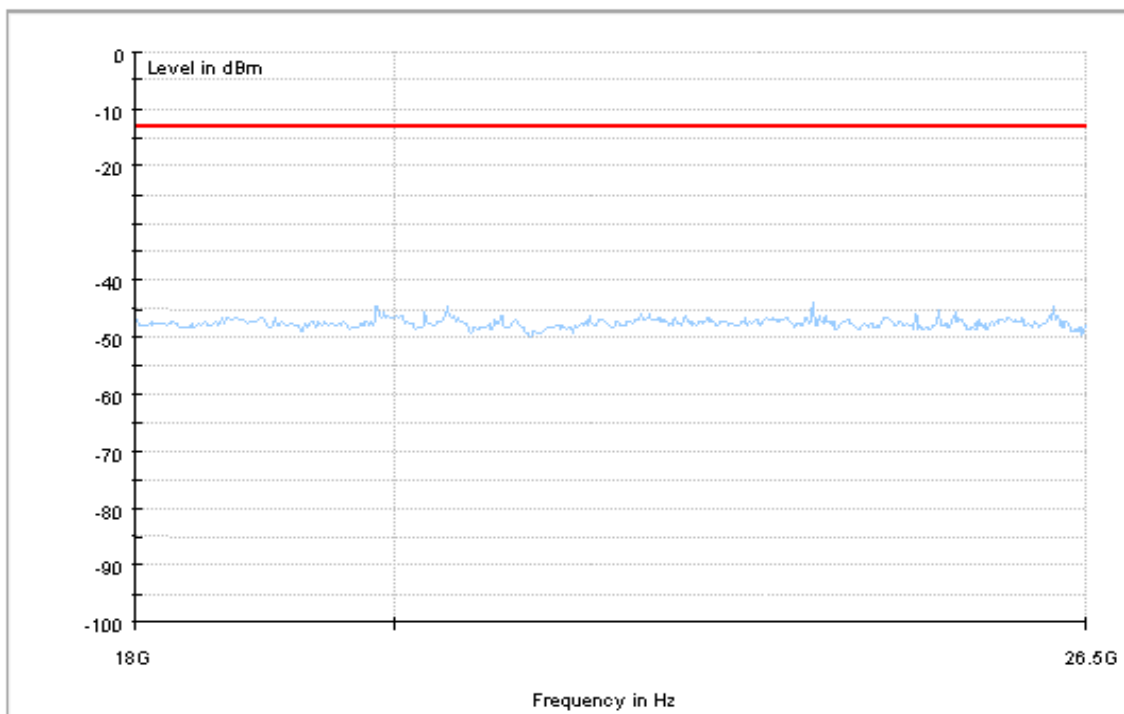
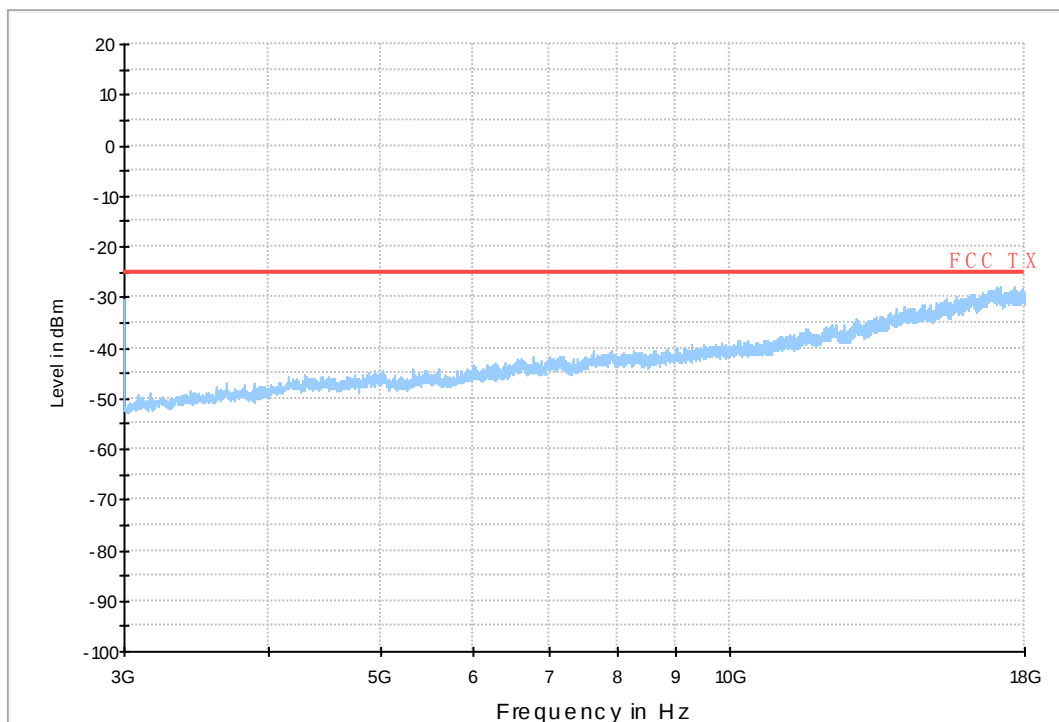
### 7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



## Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



## 8Appendix\_H: Frequency Stability

### 8.1 For LTE

#### 8.1.1Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND41    | LTE/TM1   | 5                    | LCH          | TN         | VL         | -23.63           | -0.00928              | PASS    |
|           |           |                      |              |            | VN         | -23.6            | -0.00926              | PASS    |
|           |           |                      |              |            | VH         | -26.91           | -0.01056              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -15.51           | -0.00597              | PASS    |
|           |           |                      |              |            | VN         | -60.37           | -0.02322              | PASS    |
|           |           |                      |              |            | VH         | -14.53           | -0.00559              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -16.06           | -0.00605              | PASS    |
|           |           |                      |              |            | VN         | -14.56           | -0.00549              | PASS    |
|           |           |                      |              |            | VH         | -45.1            | -0.017                | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -27.01           | -0.01059              | PASS    |
|           |           |                      |              |            | VN         | -24.29           | -0.00953              | PASS    |
|           |           |                      |              |            | VH         | -24.45           | -0.00959              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -22.32           | -0.00858              | PASS    |
|           |           |                      |              |            | VN         | -19.28           | -0.00742              | PASS    |
|           |           |                      |              |            | VH         | -19.57           | -0.00753              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -17.35           | -0.00655              | PASS    |
|           |           |                      |              |            | VN         | -16.81           | -0.00634              | PASS    |
|           |           |                      |              |            | VH         | -16.59           | -0.00626              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -22.79           | -0.00893              | PASS    |
|           |           |                      |              |            | VN         | -22.23           | -0.00871              | PASS    |
|           |           |                      |              |            | VH         | -25.08           | -0.00983              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -20.57           | -0.00791              | PASS    |
|           |           |                      |              |            | VN         | -21.16           | -0.00814              | PASS    |
|           |           |                      |              |            | VH         | -20.01           | -0.0077               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -10.69           | -0.00404              | PASS    |
|           |           |                      |              |            | VN         | -14.52           | -0.00548              | PASS    |
|           |           |                      |              |            | VH         | -10.93           | -0.00413              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -24.48           | -0.00958              | PASS    |
|           |           |                      |              |            | VN         | -23.43           | -0.00917              | PASS    |
|           |           |                      |              |            | VH         | -23.25           | -0.0091               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -17.34           | -0.00667              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | TN         | VN         | -20.17           | -0.00776              | PASS    |
|           |           |                      |              |            | VH         | -14.46           | -0.00556              | PASS    |
|           |           |                      |              |            | VL         | -12.8            | -0.00484              | PASS    |
|           |           |                      |              |            | VN         | -15.78           | -0.00597              | PASS    |
|           |           |                      |              |            | VH         | -13.59           | -0.00514              | PASS    |
|           |           |                      |              |            | VL         | -22.36           | -0.00878              | PASS    |
|           | LTE/TM2   | 5                    | LCH          | TN         | VN         | -24.42           | -0.00959              | PASS    |
|           |           |                      |              |            | VH         | -20.06           | -0.00787              | PASS    |
|           |           |                      |              |            | VL         | -18.1            | -0.00696              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -18.2            | -0.007                | PASS    |
|           |           |                      |              |            | VH         | -21.36           | -0.00822              | PASS    |
|           |           |                      |              |            | VL         | -11.92           | -0.00449              | PASS    |
|           |           |                      | HCH          | TN         | VN         | -40.17           | -0.01514              | PASS    |
|           |           |                      |              |            | VH         | -19.48           | -0.00734              | PASS    |
|           |           |                      |              |            | VL         | -23.39           | -0.00917              | PASS    |
|           |           | 10                   | LCH          | TN         | VN         | -23.27           | -0.00913              | PASS    |
|           |           |                      |              |            | VH         | -25.32           | -0.00993              | PASS    |
|           |           |                      |              |            | VL         | -18.55           | -0.00713              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -23.65           | -0.0091               | PASS    |
|           |           |                      |              |            | VH         | -22.96           | -0.00883              | PASS    |
|           |           |                      |              |            | VL         | -16.88           | -0.00637              | PASS    |
|           |           |                      | HCH          | TN         | VN         | -16.02           | -0.00605              | PASS    |
|           |           |                      |              |            | VH         | -15.08           | -0.00569              | PASS    |
|           |           |                      |              |            | VL         | -22.32           | -0.00874              | PASS    |
|           |           | 15                   | LCH          | TN         | VN         | -23.79           | -0.00932              | PASS    |
|           |           |                      |              |            | VH         | -28.44           | -0.01114              | PASS    |
|           |           |                      |              |            | VL         | -16.59           | -0.00638              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -18.25           | -0.00702              | PASS    |
|           |           |                      |              |            | VH         | -18.24           | -0.00702              | PASS    |
|           |           |                      |              |            | VL         | -11.89           | -0.00449              | PASS    |
|           |           |                      | HCH          | TN         | VN         | -14.23           | -0.00537              | PASS    |
|           |           |                      |              |            | VH         | -13.7            | -0.00517              | PASS    |
|           |           |                      |              |            | VL         | -20.1            | -0.00787              | PASS    |
|           |           | 20                   | LCH          | TN         | VN         | -23.3            | -0.00912              | PASS    |
|           |           |                      |              |            | VH         | -21.7            | -0.00849              | PASS    |
|           |           |                      |              |            | VL         | -18              | -0.00692              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -18.12           | -0.00697              | PASS    |
|           |           |                      |              |            | VH         | -16.31           | -0.00627              | PASS    |
|           |           |                      |              |            | VL         | -12.03           | -0.00455              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -12.77           | -0.00483              | PASS    |
|           |           |                      |              |            | VH         | -12.63           | -0.00478              | PASS    |

### 8.1.2 Frequency Error vs. Temperature:

| 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          | VN         | -30        | -26.62           | -0.01045              | PASS    |
|           |           |                      |              |            | -20        | -18.91           | -0.00742              | PASS    |
|           |           |                      |              |            | -10        | -21.23           | -0.00833              | PASS    |
|           |           |                      |              |            | 0          | -20.74           | -0.00814              | PASS    |
|           |           |                      |              |            | 10         | -23.8            | -0.00934              | PASS    |
|           |           |                      |              |            | 20         | -24.99           | -0.00981              | PASS    |
|           |           |                      |              |            | 30         | -21.47           | -0.00843              | PASS    |
|           |           |                      |              |            | 40         | -27.07           | -0.01063              | PASS    |
|           |           |                      |              |            | 50         | -22.95           | -0.00901              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -15.29           | -0.00588              | PASS    |
|           |           |                      |              |            | -20        | -17.72           | -0.00682              | PASS    |
|           |           |                      |              |            | -10        | -23.1            | -0.00888              | PASS    |
|           |           |                      |              |            | 0          | -54.77           | -0.02107              | PASS    |
|           |           |                      |              |            | 10         | -18.12           | -0.00697              | PASS    |
|           |           |                      |              |            | 20         | -17.77           | -0.00683              | PASS    |
|           |           |                      |              |            | 30         | -17.97           | -0.00691              | PASS    |
|           |           |                      |              |            | 40         | -16.21           | -0.00623              | PASS    |
|           |           |                      |              |            | 50         | -61.11           | -0.0235               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -52              | -0.0196               | PASS    |
|           |           |                      |              |            | -20        | -18.68           | -0.00704              | PASS    |
|           |           |                      |              |            | -10        | -16.09           | -0.00607              | PASS    |
|           |           |                      |              |            | 0          | -40.61           | -0.01531              | PASS    |
|           |           |                      |              |            | 10         | -18.42           | -0.00694              | PASS    |
|           |           |                      |              |            | 20         | -39.18           | -0.01477              | PASS    |
|           |           |                      |              |            | 30         | -32.14           | -0.01212              | PASS    |
|           |           |                      |              |            | 40         | -17.77           | -0.0067               | PASS    |
|           |           |                      |              |            | 50         | -50.41           | -0.019                | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -44.92           | -0.01762              | PASS    |
|           |           |                      |              |            | -20        | -23.16           | -0.00908              | PASS    |
|           |           |                      |              |            | -10        | -43.54           | -0.01707              | PASS    |
|           |           |                      |              |            | 0          | -40.77           | -0.01599              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10         | -23.25           | -0.00912              | PASS    |
|           |           |                      |              |            | 20         | -47.42           | -0.0186               | PASS    |
|           |           |                      |              |            | 30         | -40.87           | -0.01603              | PASS    |
|           |           |                      |              |            | 40         | -52.6            | -0.02063              | PASS    |
|           |           |                      |              |            | 50         | -24.46           | -0.00959              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -40.23           | -0.01547              | PASS    |
|           |           |                      |              |            | -20        | -21.34           | -0.00821              | PASS    |
|           |           |                      |              |            | -10        | -34.96           | -0.01345              | PASS    |
|           |           |                      |              |            | 0          | -45.39           | -0.01746              | PASS    |
|           |           |                      |              |            | 10         | -45.09           | -0.01734              | PASS    |
|           |           |                      |              |            | 20         | -33.5            | -0.01288              | PASS    |
|           |           |                      |              |            | 30         | -53.33           | -0.02051              | PASS    |
|           |           |                      |              |            | 40         | -31.66           | -0.01218              | PASS    |
|           |           |                      |              |            | 50         | -36.78           | -0.01415              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -14.88           | -0.00562              | PASS    |
|           |           |                      |              |            | -20        | -11.07           | -0.00418              | PASS    |
|           |           |                      |              |            | -10        | -16.69           | -0.0063               | PASS    |
|           |           |                      |              |            | 0          | -14.18           | -0.00535              | PASS    |
|           |           |                      |              |            | 10         | -13.6            | -0.00513              | PASS    |
|           |           |                      |              |            | 20         | -14.29           | -0.00539              | PASS    |
|           |           |                      |              |            | 30         | -10.16           | -0.00383              | PASS    |
|           |           |                      |              |            | 40         | -11.54           | -0.00435              | PASS    |
|           |           |                      |              |            | 50         | -12.07           | -0.00455              | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -28.67           | -0.01123              | PASS    |
|           |           |                      |              |            | -20        | -24.99           | -0.00979              | PASS    |
|           |           |                      |              |            | -10        | -20.63           | -0.00808              | PASS    |
|           |           |                      |              |            | 0          | -22.77           | -0.00892              | PASS    |
|           |           |                      |              |            | 10         | -41.3            | -0.01618              | PASS    |
|           |           |                      |              |            | 20         | -22.2            | -0.0087               | PASS    |
|           |           |                      |              |            | 30         | -20.37           | -0.00798              | PASS    |
|           |           |                      |              |            | 40         | -23.6            | -0.00925              | PASS    |
|           |           |                      |              |            | 50         | -23.07           | -0.00904              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -18.91           | -0.00727              | PASS    |
|           |           |                      |              |            | -20        | -18.71           | -0.0072               | PASS    |
|           |           |                      |              |            | -10        | -19.14           | -0.00736              | PASS    |
|           |           |                      |              |            | 0          | -27.24           | -0.01048              | PASS    |
|           |           |                      |              |            | 10         | -16.09           | -0.00619              | PASS    |
|           |           |                      |              |            | 20         | -19.53           | -0.00751              | PASS    |
|           |           |                      |              |            | 30         | -33.2            | -0.01277              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40         | -33.53           | -0.0129               | PASS    |
|           |           |                      |              |            | 50         | -20.38           | -0.00784              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -13.73           | -0.00519              | PASS    |
|           |           |                      |              |            | -20        | -14              | -0.00529              | PASS    |
|           |           |                      |              |            | -10        | -11.57           | -0.00437              | PASS    |
|           |           |                      |              |            | 0          | -10.66           | -0.00403              | PASS    |
|           |           |                      |              |            | 10         | -13.58           | -0.00513              | PASS    |
|           |           |                      |              |            | 20         | -13.43           | -0.00507              | PASS    |
|           |           |                      |              |            | 30         | -10.34           | -0.00391              | PASS    |
|           |           |                      |              |            | 40         | -14.79           | -0.00559              | PASS    |
|           |           |                      |              |            | 50         | -11.93           | -0.00451              | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | -24.65           | -0.00965              | PASS    |
|           |           |                      |              |            | -20        | -21.54           | -0.00843              | PASS    |
|           |           |                      |              |            | -10        | -25.32           | -0.00991              | PASS    |
|           |           |                      |              |            | 0          | -22.7            | -0.00888              | PASS    |
|           |           |                      |              |            | 10         | -22.19           | -0.00868              | PASS    |
|           |           |                      |              |            | 20         | -22.52           | -0.00881              | PASS    |
|           |           |                      |              |            | 30         | -24.81           | -0.00971              | PASS    |
|           |           |                      |              |            | 40         | -22.6            | -0.00885              | PASS    |
|           |           |                      |              |            | 50         | -19.17           | -0.0075               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -20.2            | -0.00777              | PASS    |
|           |           |                      |              |            | -20        | -18.83           | -0.00724              | PASS    |
|           |           |                      |              |            | -10        | -16.95           | -0.00652              | PASS    |
|           |           |                      |              |            | 0          | -18.74           | -0.00721              | PASS    |
|           |           |                      |              |            | 10         | -20.28           | -0.0078               | PASS    |
|           |           |                      |              |            | 20         | -15.69           | -0.00603              | PASS    |
|           |           |                      |              |            | 30         | -20.13           | -0.00774              | PASS    |
|           |           |                      |              |            | 40         | -20.64           | -0.00794              | PASS    |
|           |           |                      |              |            | 50         | -17.7            | -0.00681              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -13.22           | -0.005                | PASS    |
|           |           |                      |              |            | -20        | -12.83           | -0.00485              | PASS    |
|           |           |                      |              |            | -10        | -15.06           | -0.00569              | PASS    |
|           |           |                      |              |            | 0          | -11.69           | -0.00442              | PASS    |
|           |           |                      |              |            | 10         | -15.21           | -0.00575              | PASS    |
|           |           |                      |              |            | 20         | -13.42           | -0.00507              | PASS    |
|           |           |                      |              |            | 30         | -15.68           | -0.00593              | PASS    |
|           |           |                      |              |            | 40         | -14.38           | -0.00544              | PASS    |
|           |           |                      |              |            | 50         | -12.6            | -0.00476              | PASS    |
|           | LTE/TM2   | 5                    | LCH          | VN         | -30        | -21.4            | -0.0084               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20        | -24.36           | -0.00956              | PASS    |
|           |           |                      |              |            | -10        | -24.98           | -0.00981              | PASS    |
|           |           |                      |              |            | 0          | -26.74           | -0.0105               | PASS    |
|           |           |                      |              |            | 10         | -24.68           | -0.00969              | PASS    |
|           |           |                      |              |            | 20         | -25.98           | -0.0102               | PASS    |
|           |           |                      |              |            | 30         | -25.85           | -0.01015              | PASS    |
|           |           |                      |              |            | 40         | -20.6            | -0.00809              | PASS    |
|           |           |                      |              |            | 50         | -25.88           | -0.01016              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -20.14           | -0.00775              | PASS    |
|           |           |                      |              |            | -20        | -19.57           | -0.00753              | PASS    |
|           |           |                      |              |            | -10        | -18.08           | -0.00695              | PASS    |
|           |           |                      |              |            | 0          | -19.23           | -0.0074               | PASS    |
|           |           |                      |              |            | 10         | -20.13           | -0.00774              | PASS    |
|           |           |                      |              |            | 20         | -59.29           | -0.0228               | PASS    |
|           |           |                      |              |            | 30         | -20.4            | -0.00785              | PASS    |
|           |           |                      |              |            | 40         | -22.56           | -0.00868              | PASS    |
|           |           |                      |              |            | 50         | -13.26           | -0.0051               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -42.83           | -0.01615              | PASS    |
|           |           |                      |              |            | -20        | -15.09           | -0.00569              | PASS    |
|           |           |                      |              |            | -10        | -16.54           | -0.00624              | PASS    |
|           |           |                      |              |            | 0          | -11.84           | -0.00446              | PASS    |
|           |           |                      |              |            | 10         | -16.79           | -0.00633              | PASS    |
|           |           |                      |              |            | 20         | -44.95           | -0.01695              | PASS    |
|           |           |                      |              |            | 30         | -22.22           | -0.00838              | PASS    |
|           |           |                      |              |            | 40         | -41.06           | -0.01548              | PASS    |
|           |           |                      |              |            | 50         | -24.99           | -0.00942              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -58.61           | -0.02298              | PASS    |
|           |           |                      |              |            | -20        | -40.44           | -0.01586              | PASS    |
|           |           |                      |              |            | -10        | -55.49           | -0.02176              | PASS    |
|           |           |                      |              |            | 0          | -36.11           | -0.01416              | PASS    |
|           |           |                      |              |            | 10         | -25.38           | -0.00995              | PASS    |
|           |           |                      |              |            | 20         | -51.7            | -0.02027              | PASS    |
|           |           |                      |              |            | 30         | -35.23           | -0.01382              | PASS    |
|           |           |                      |              |            | 40         | -33.72           | -0.01322              | PASS    |
|           |           |                      |              |            | 50         | -43.14           | -0.01692              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -46.32           | -0.01782              | PASS    |
|           |           |                      |              |            | -20        | -42.23           | -0.01624              | PASS    |
|           |           |                      |              |            | -10        | -44.55           | -0.01713              | PASS    |
|           |           |                      |              |            | 0          | -58.05           | -0.02233              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10         | -39.57           | -0.01522              | PASS    |
|           |           |                      |              |            | 20         | -39.65           | -0.01525              | PASS    |
|           |           |                      |              |            | 30         | -60.93           | -0.02343              | PASS    |
|           |           |                      |              |            | 40         | -25.69           | -0.00988              | PASS    |
|           |           |                      |              |            | 50         | -36.85           | -0.01417              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -18.57           | -0.00701              | PASS    |
|           |           |                      |              |            | -20        | -13.76           | -0.00519              | PASS    |
|           |           |                      |              |            | -10        | -16.39           | -0.00618              | PASS    |
|           |           |                      |              |            | 0          | -17.4            | -0.00657              | PASS    |
|           |           |                      |              |            | 10         | -11.76           | -0.00444              | PASS    |
|           |           |                      |              |            | 20         | -12.26           | -0.00463              | PASS    |
|           |           |                      |              |            | 30         | -20.2            | -0.00762              | PASS    |
|           |           |                      |              |            | 40         | -18.37           | -0.00693              | PASS    |
|           |           |                      |              |            | 50         | -16.16           | -0.0061               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -21.53           | -0.00843              | PASS    |
|           |           |                      |              |            | -20        | -23.75           | -0.0093               | PASS    |
|           |           |                      |              |            | -10        | -21.14           | -0.00828              | PASS    |
|           |           |                      |              |            | 0          | -22.69           | -0.00889              | PASS    |
|           |           |                      |              |            | 10         | -21.11           | -0.00827              | PASS    |
|           |           |                      |              |            | 20         | -23.49           | -0.0092               | PASS    |
|           |           |                      |              |            | 30         | -27.78           | -0.01088              | PASS    |
|           |           |                      |              |            | 40         | -21.83           | -0.00855              | PASS    |
|           |           |                      |              |            | 50         | -20.59           | -0.00807              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -26.38           | -0.01015              | PASS    |
|           |           |                      |              |            | -20        | -18.87           | -0.00726              | PASS    |
|           |           |                      |              |            | -10        | -19.05           | -0.00733              | PASS    |
|           |           |                      |              |            | 0          | -19.13           | -0.00736              | PASS    |
|           |           |                      |              |            | 10         | -17.74           | -0.00682              | PASS    |
|           |           |                      |              |            | 20         | -17.27           | -0.00664              | PASS    |
|           |           |                      |              |            | 30         | -17.58           | -0.00676              | PASS    |
|           |           |                      |              |            | 40         | -18.47           | -0.0071               | PASS    |
|           |           |                      |              |            | 50         | -23.46           | -0.00902              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -11.06           | -0.00418              | PASS    |
|           |           |                      |              |            | -20        | -11.29           | -0.00426              | PASS    |
|           |           |                      |              |            | -10        | -14.29           | -0.0054               | PASS    |
|           |           |                      |              |            | 0          | -13.1            | -0.00495              | PASS    |
|           |           |                      |              |            | 10         | -16.01           | -0.00605              | PASS    |
|           |           |                      |              |            | 20         | -14.22           | -0.00537              | PASS    |
|           |           |                      |              |            | 30         | -13.92           | -0.00526              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           | 20                   |              |            | 40         | -14.02           | -0.0053               | PASS    |
|           |           |                      |              |            | 50         | -13.49           | -0.0051               | PASS    |
|           |           |                      | LCH          | VN         | -30        | -23.15           | -0.00906              | PASS    |
|           |           |                      |              |            | -20        | -21.17           | -0.00829              | PASS    |
|           |           |                      |              |            | -10        | -20.54           | -0.00804              | PASS    |
|           |           |                      |              |            | 0          | -21.4            | -0.00838              | PASS    |
|           |           |                      |              |            | 10         | -20.48           | -0.00802              | PASS    |
|           |           |                      |              |            | 20         | -23.59           | -0.00923              | PASS    |
|           |           |                      |              |            | 30         | -21.84           | -0.00855              | PASS    |
|           |           |                      |              |            | 40         | -21.17           | -0.00829              | PASS    |
|           |           |                      |              |            | 50         | -23.03           | -0.00901              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -18.54           | -0.00713              | PASS    |
|           |           |                      |              |            | -20        | -18.98           | -0.0073               | PASS    |
|           |           |                      |              |            | -10        | -17.24           | -0.00663              | PASS    |
|           |           |                      |              |            | 0          | -17.51           | -0.00673              | PASS    |
|           |           |                      |              |            | 10         | -17.9            | -0.00688              | PASS    |
|           |           |                      |              |            | 20         | -16.05           | -0.00617              | PASS    |
|           |           |                      |              |            | 30         | -19.41           | -0.00747              | PASS    |
|           |           |                      |              |            | 40         | -17.37           | -0.00668              | PASS    |
|           |           |                      | HCH          | VN         | 50         | -16.62           | -0.00639              | PASS    |
|           |           |                      |              |            | -30        | -14.78           | -0.00559              | PASS    |
|           |           |                      |              |            | -20        | -12.76           | -0.00482              | PASS    |
|           |           |                      |              |            | -10        | -12.93           | -0.00489              | PASS    |
|           |           |                      |              |            | 0          | -12.75           | -0.00482              | PASS    |
|           |           |                      |              |            | 10         | -14.15           | -0.00535              | PASS    |
|           |           |                      |              |            | 20         | -13.18           | -0.00498              | PASS    |
|           |           |                      |              |            | 30         | -16.26           | -0.00615              | PASS    |
|           |           |                      |              |            | 40         | -14.81           | -0.0056               | PASS    |
|           |           |                      |              |            | 50         | -12.95           | -0.0049               | PASS    |

END