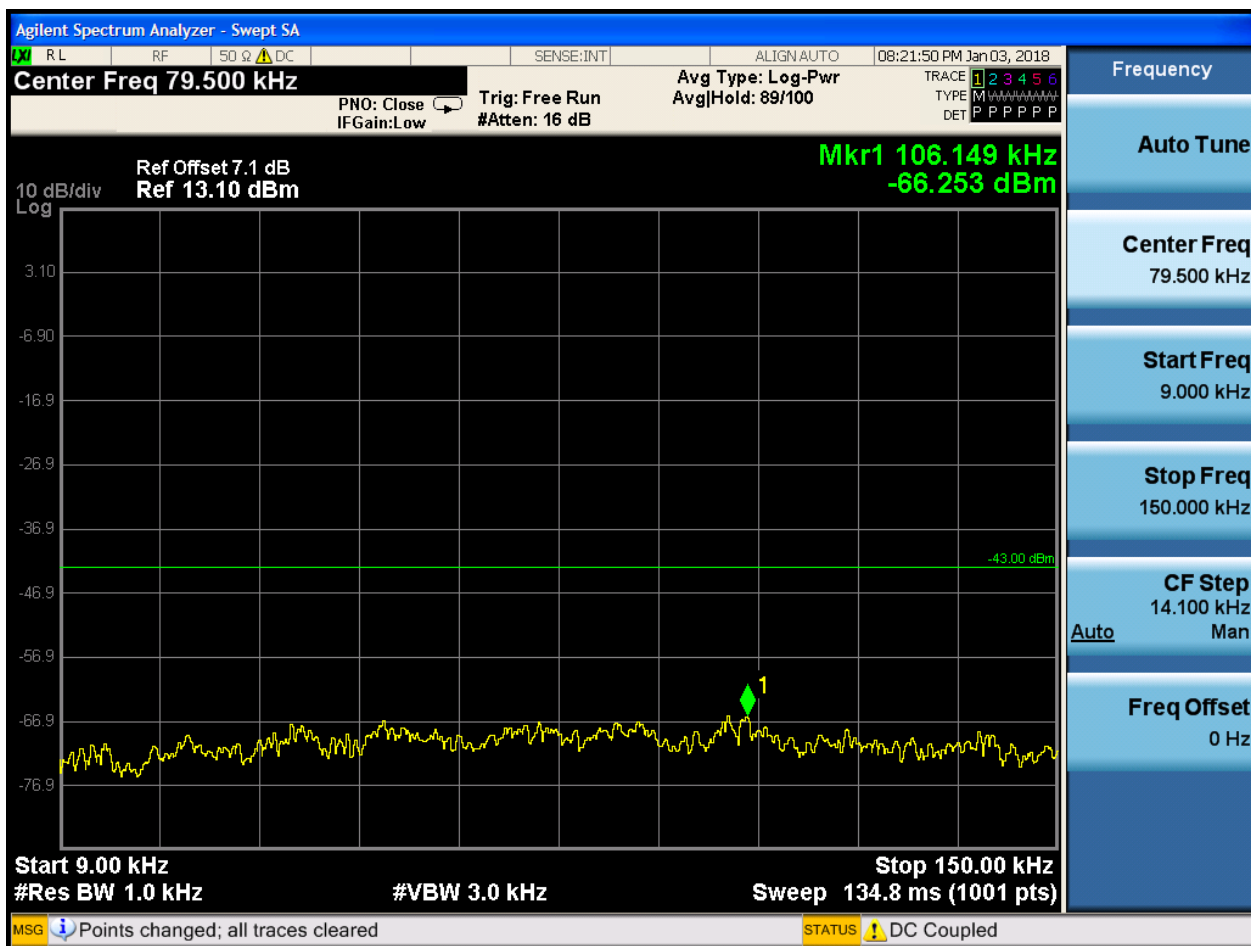
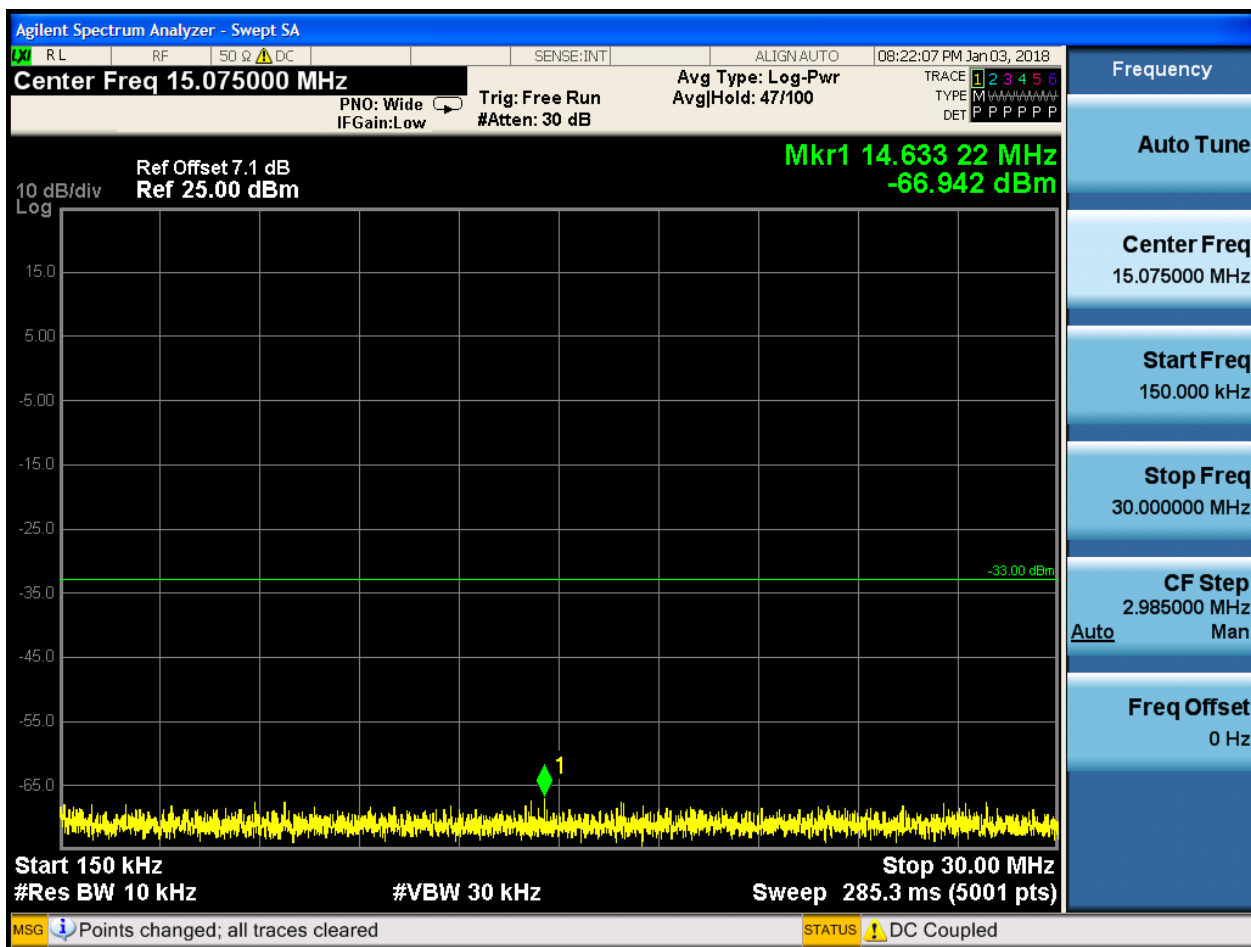


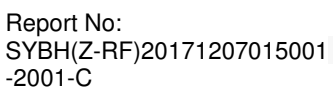


## 6.1.1.1.6.2 Test Channel = MCH

## 6.1.1.1.6.2.1 Test RB = RB1#0



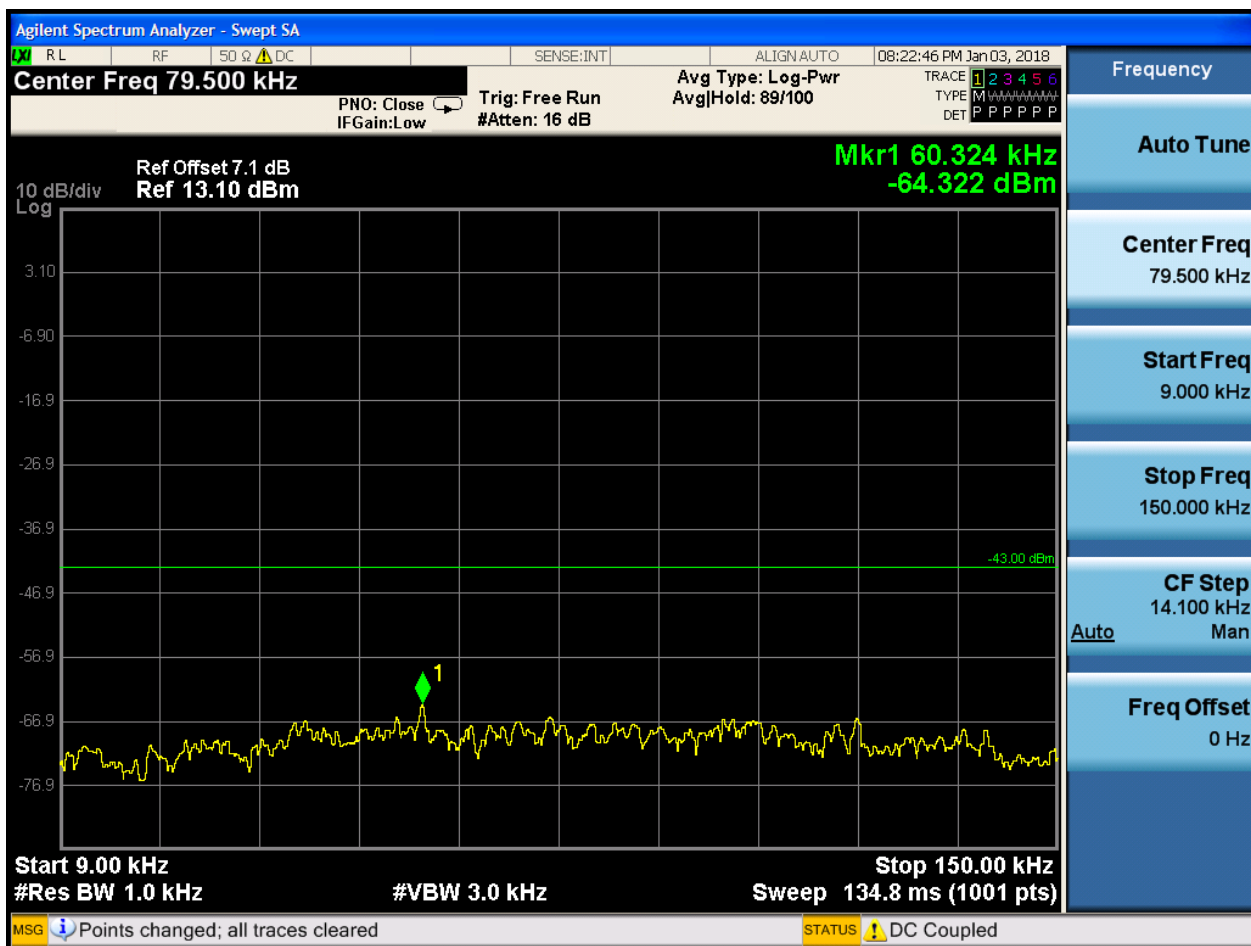


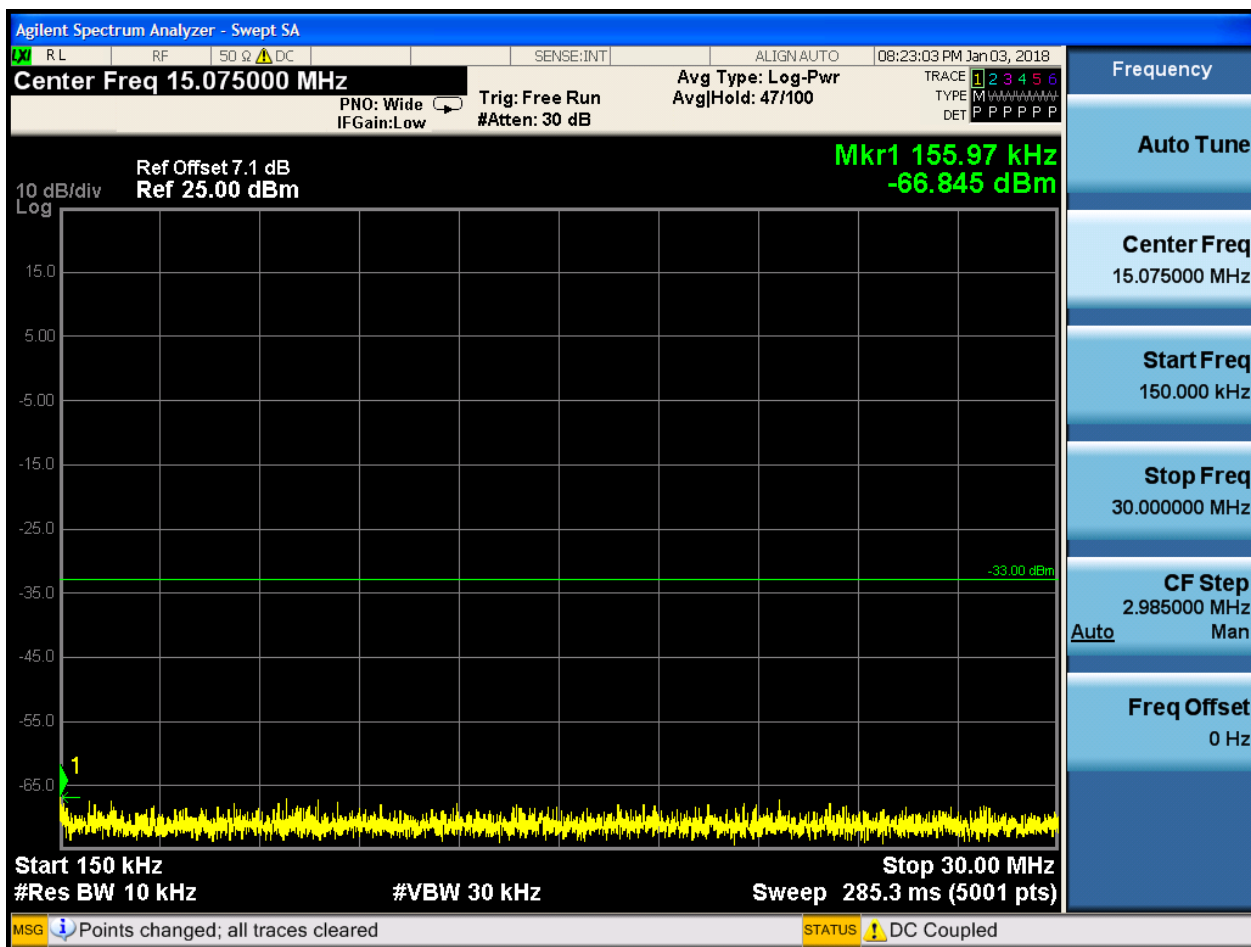


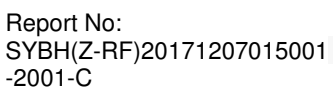


## 6.1.1.1.6.3 Test Channel = HCH

## 6.1.1.1.6.3.1 Test RB = RB1#0







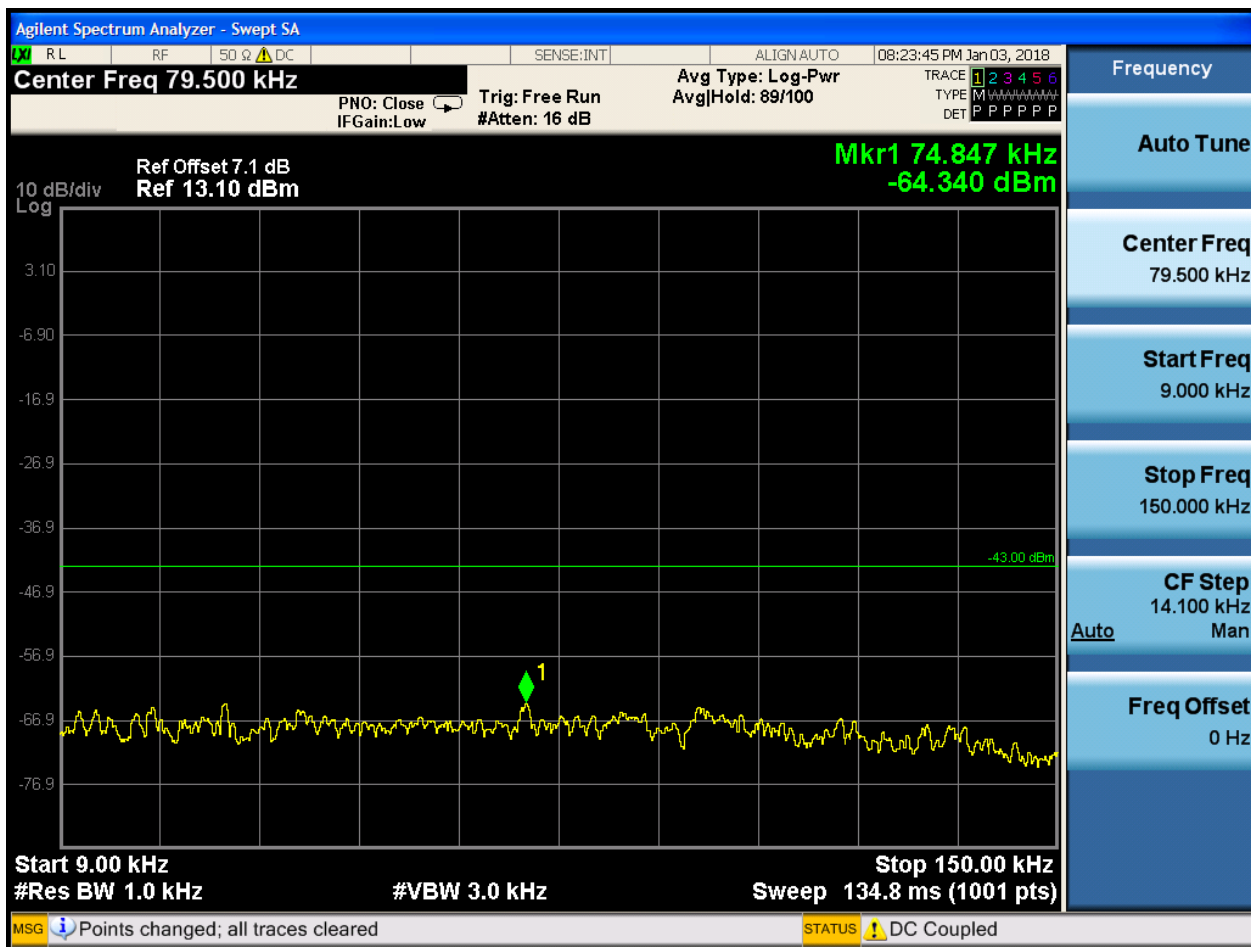


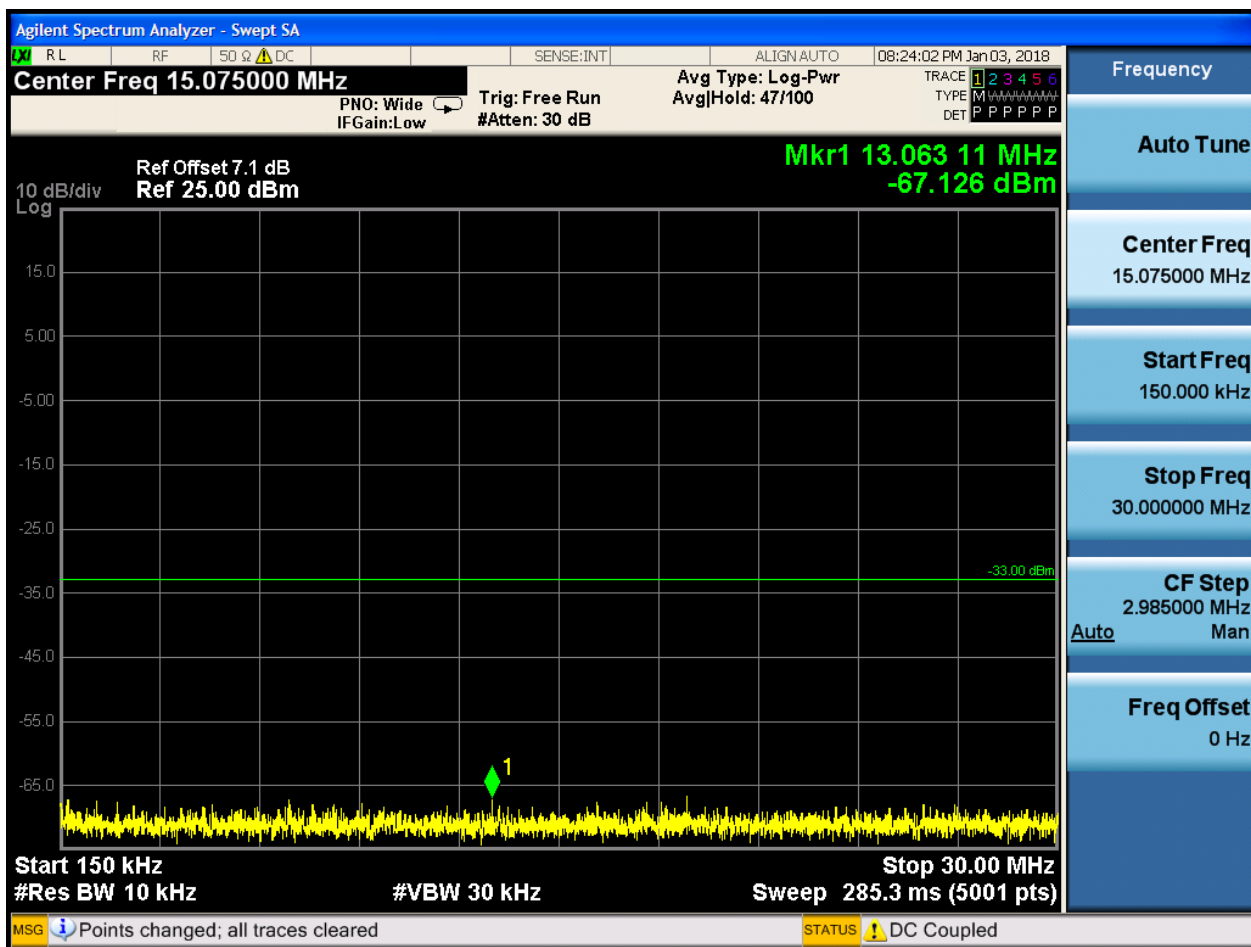
## 6.1.1.2 Test Mode = LTE/TM2

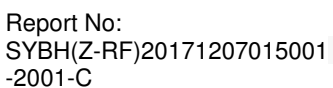
## 6.1.1.2.1 Test Bandwidth = 1.4

## 6.1.1.2.1.1 Test Channel = LCH

## 6.1.1.2.1.1.1 Test RB = RB1#0



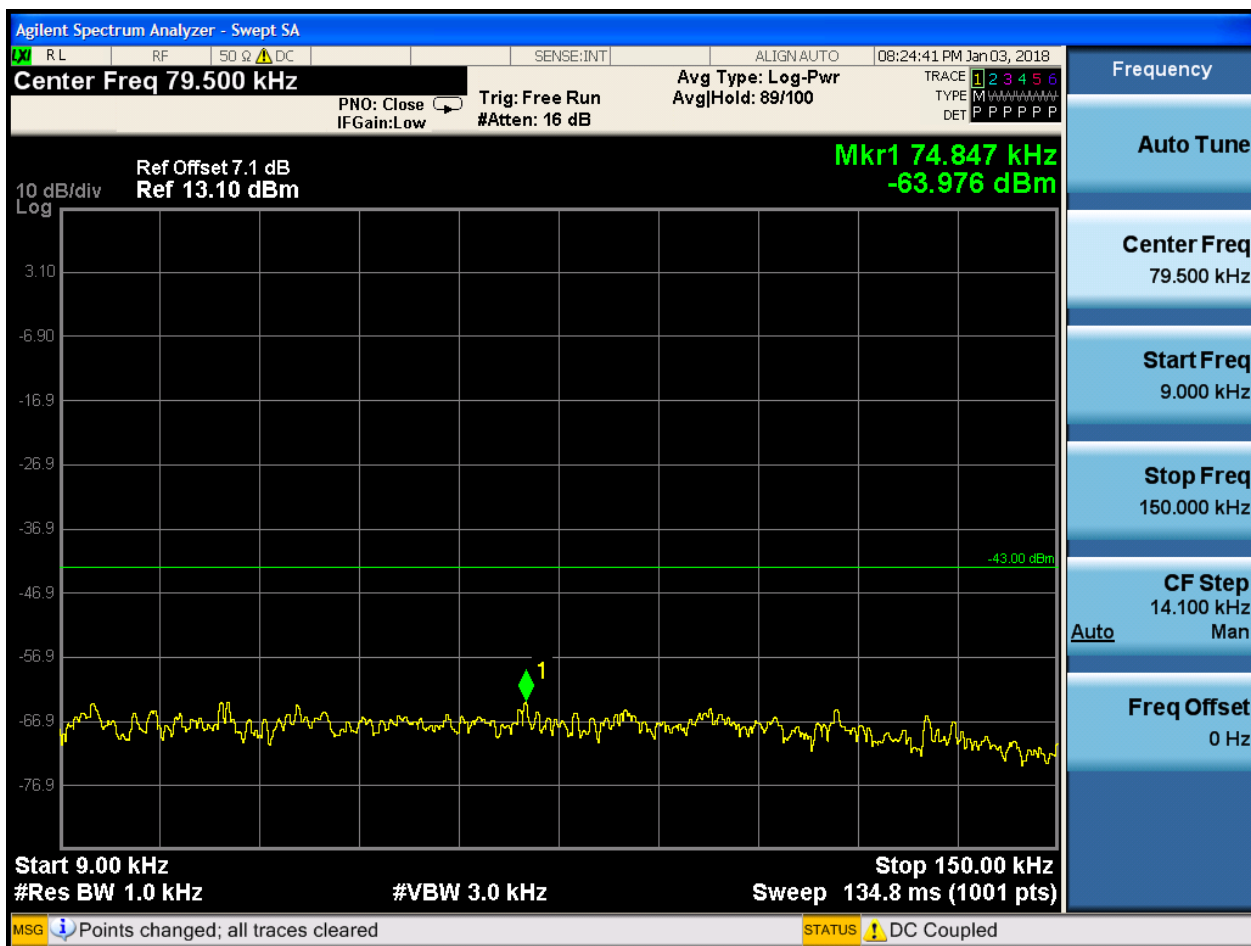


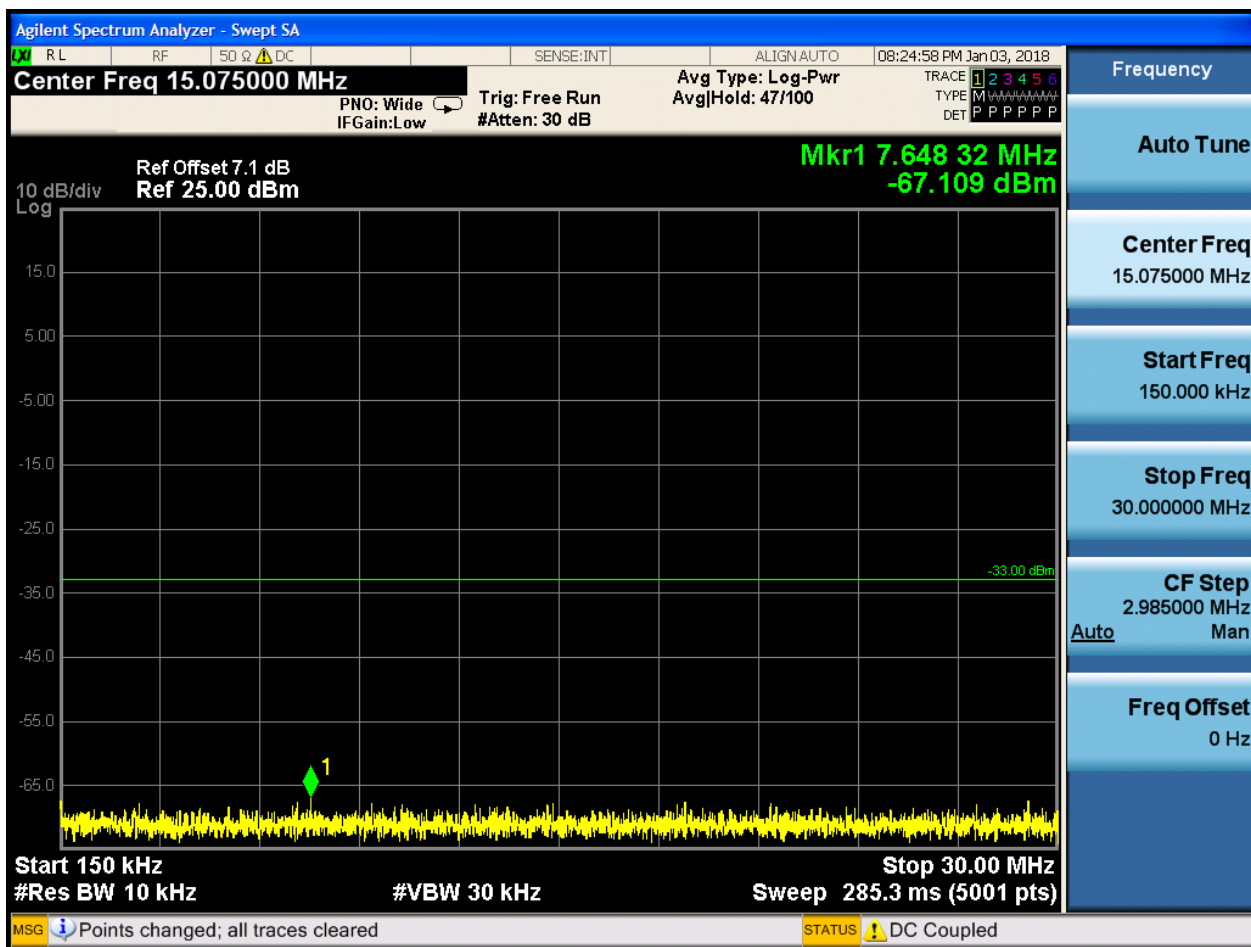


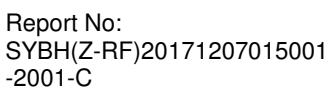


## 6.1.1.2.1.2 Test Channel = MCH

## 6.1.1.2.1.2.1 Test RB = RB1#0

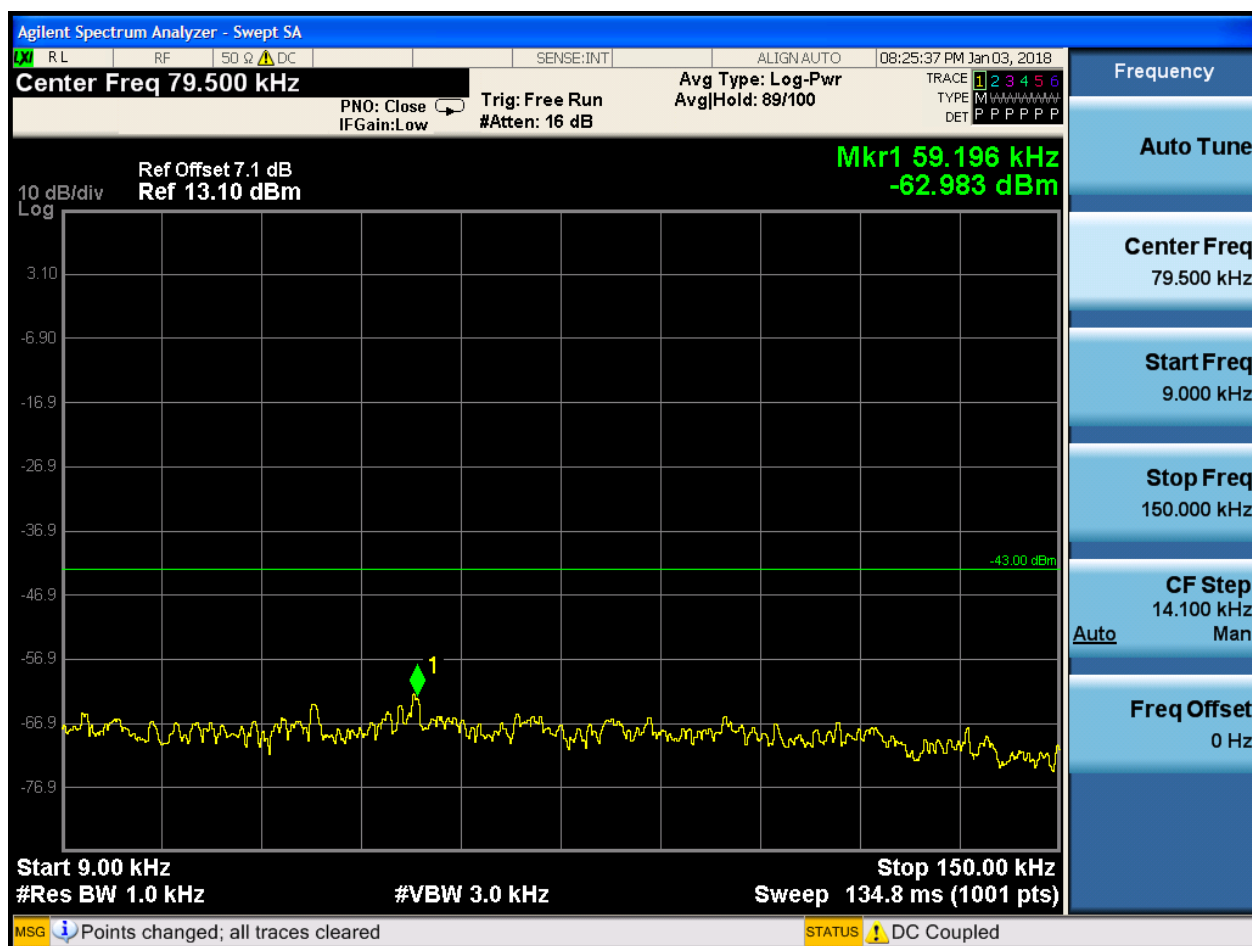


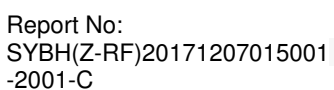


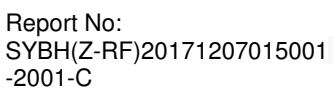


#### 6.1.1.2.1.3 Test Channel = HCH

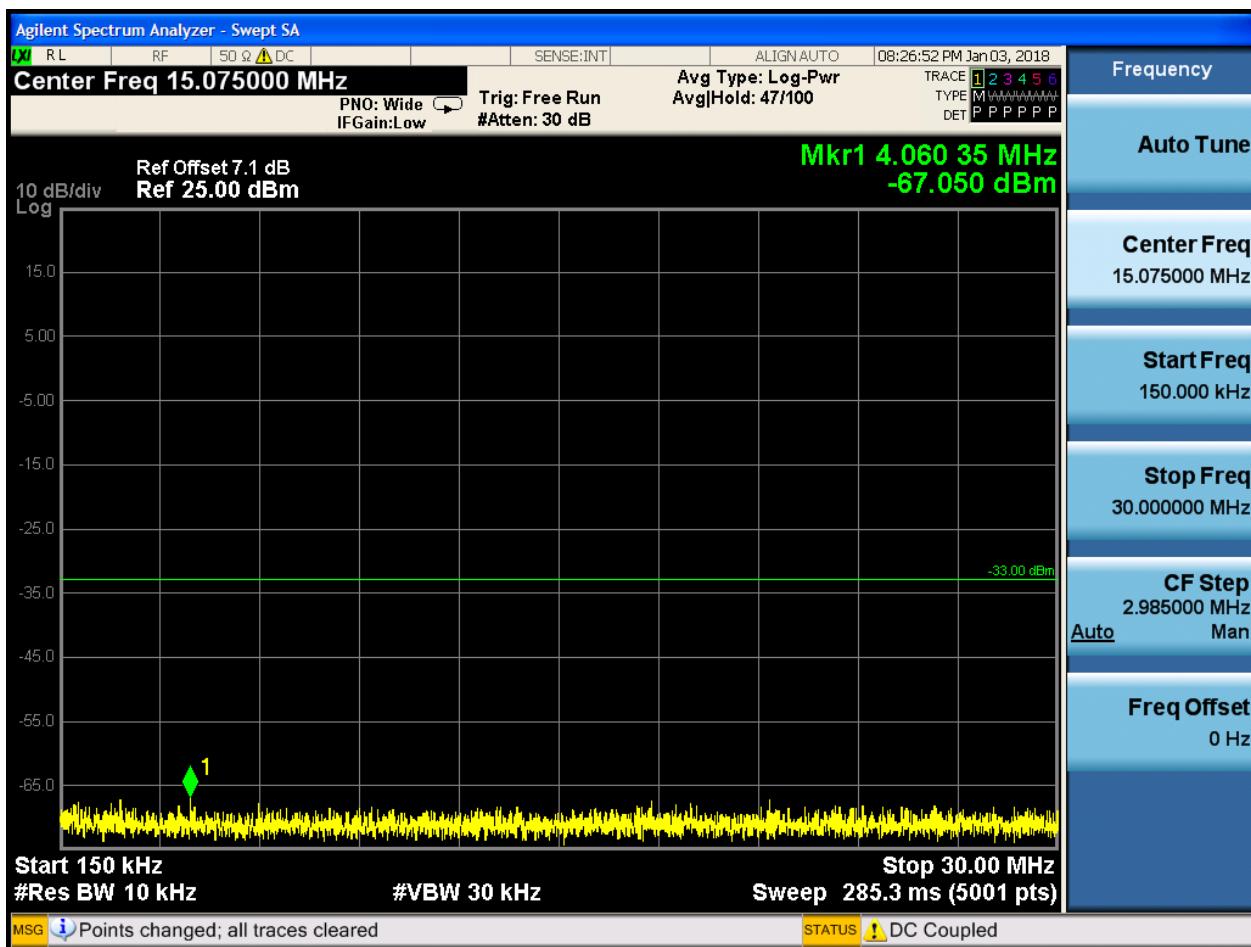
#### 6.1.1.2.1.3.1 Test RB = RB1#0

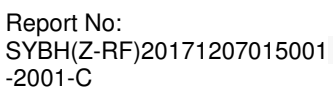








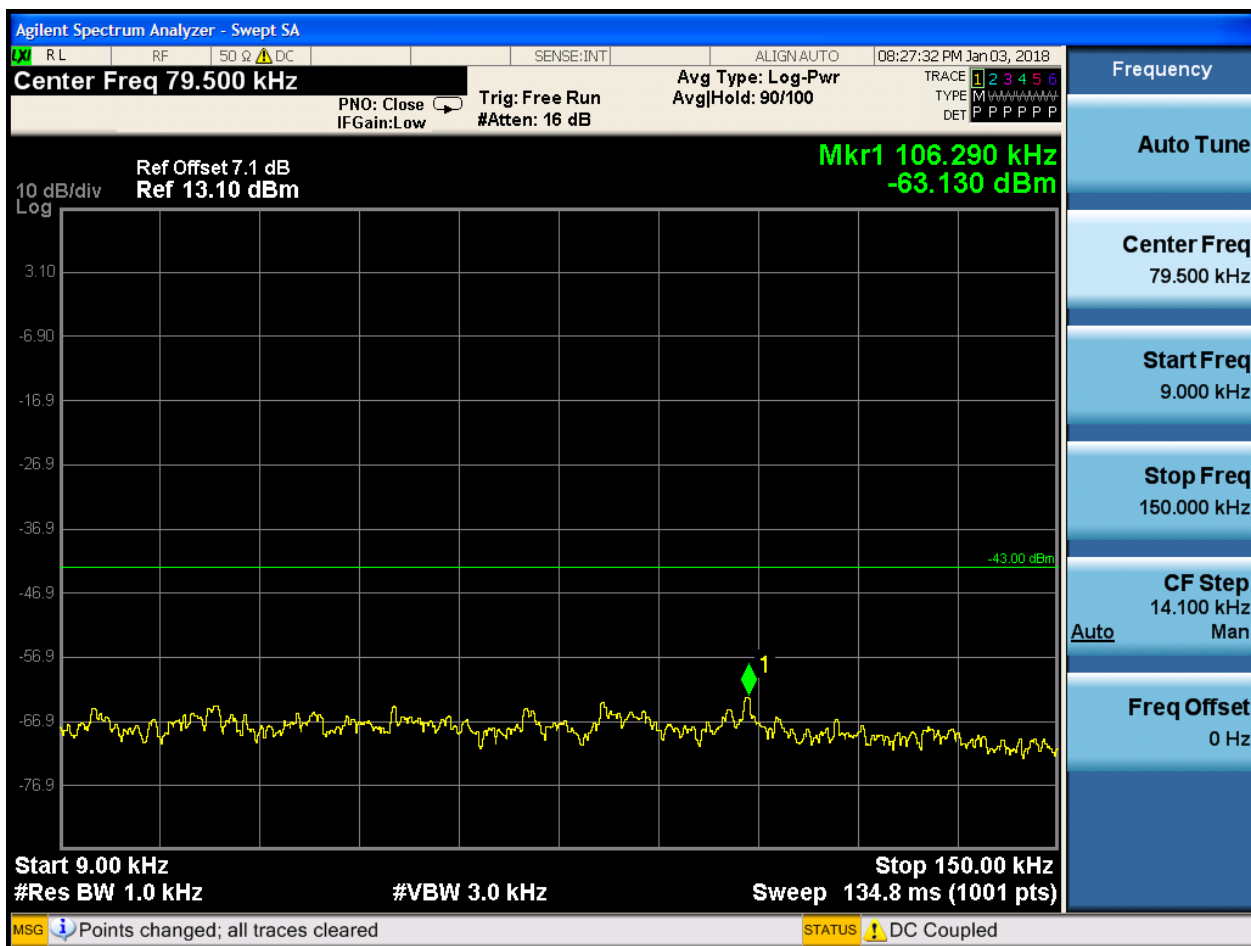


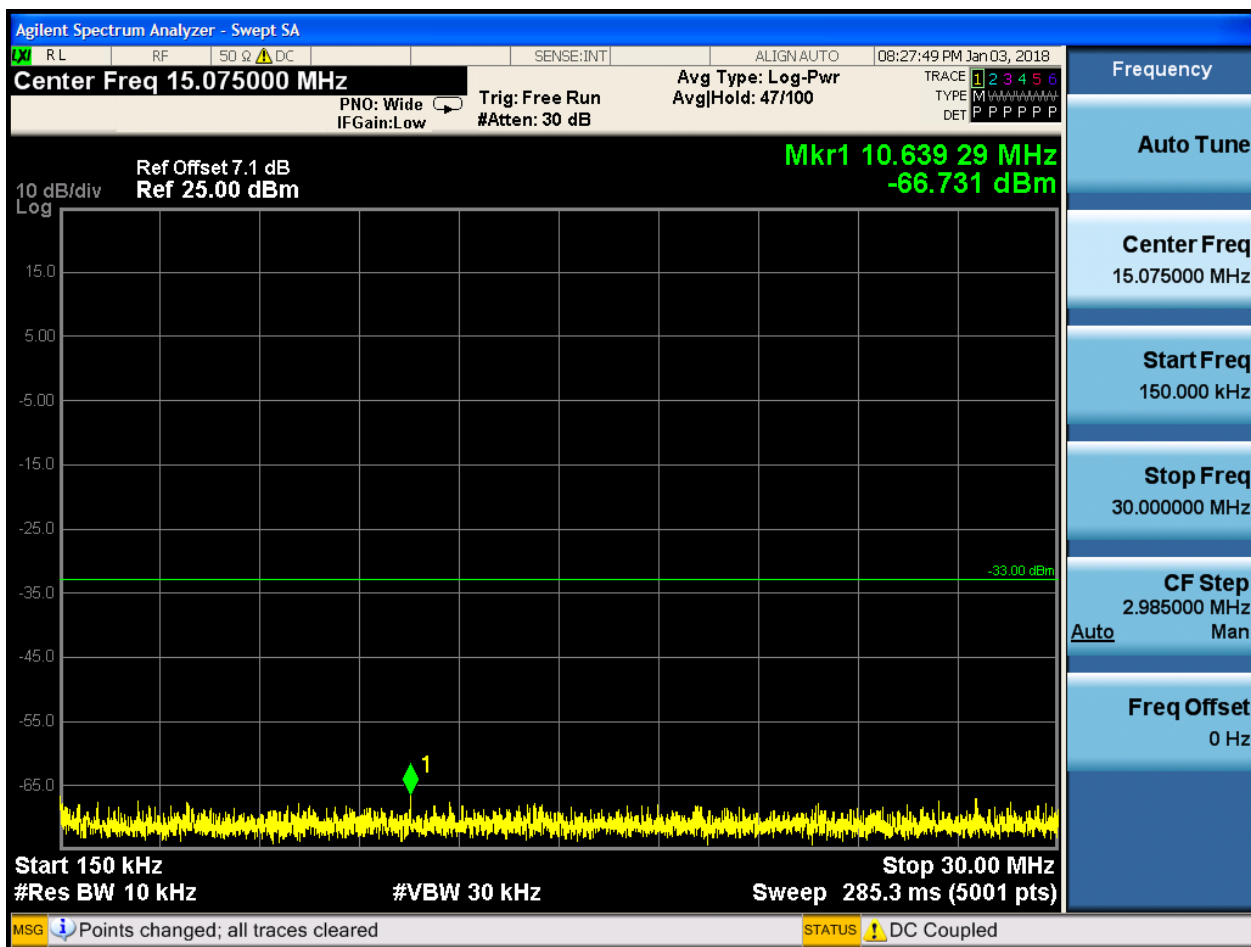


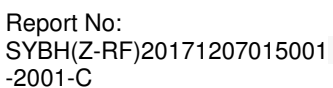


## 6.1.1.2.2.2 Test Channel = MCH

## 6.1.1.2.2.2.1 Test RB = RB1#0



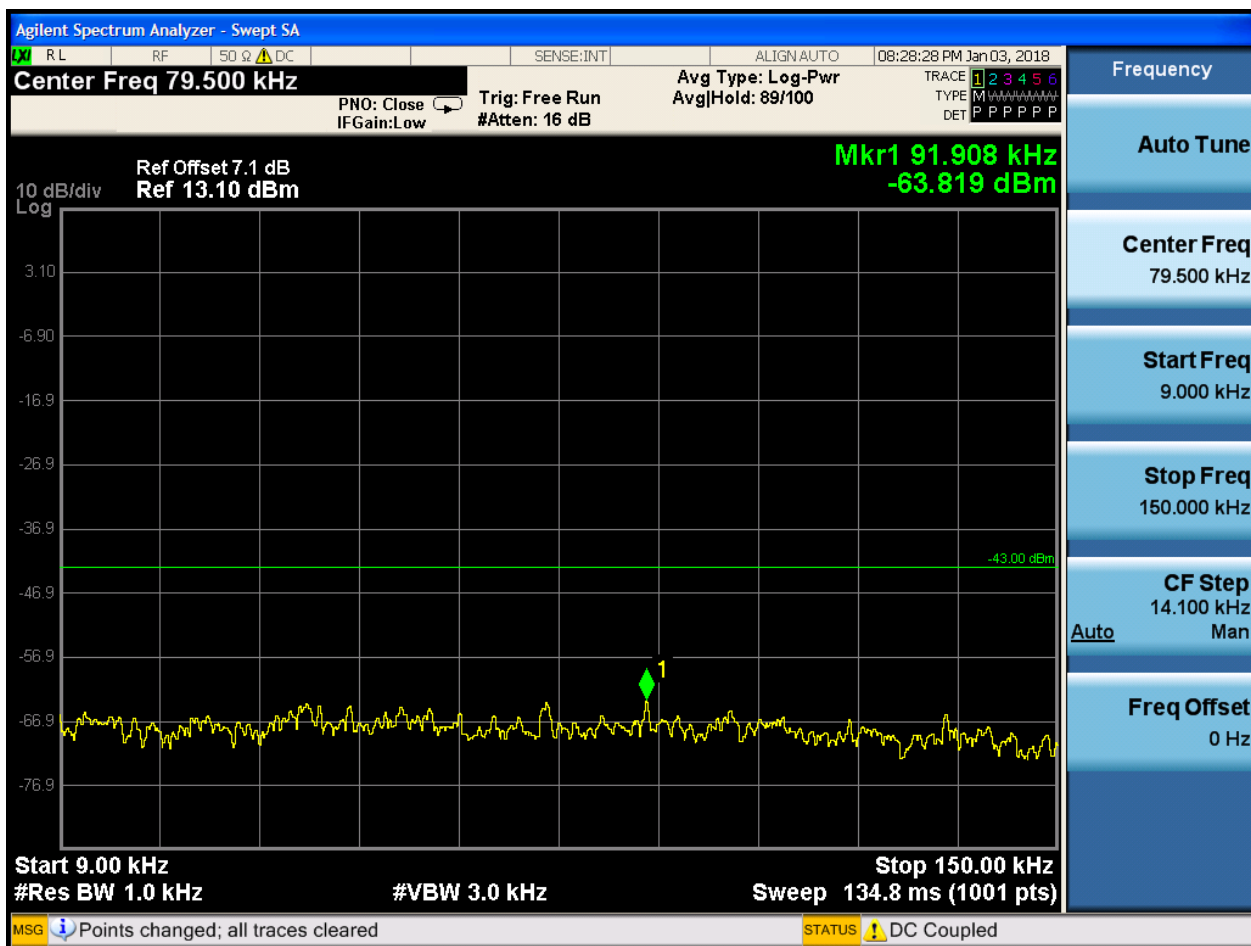


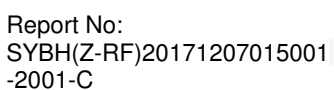


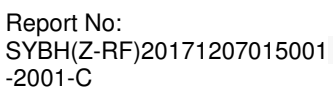


## 6.1.1.2.2.3 Test Channel = HCH

## 6.1.1.2.2.3.1 Test RB = RB1#0





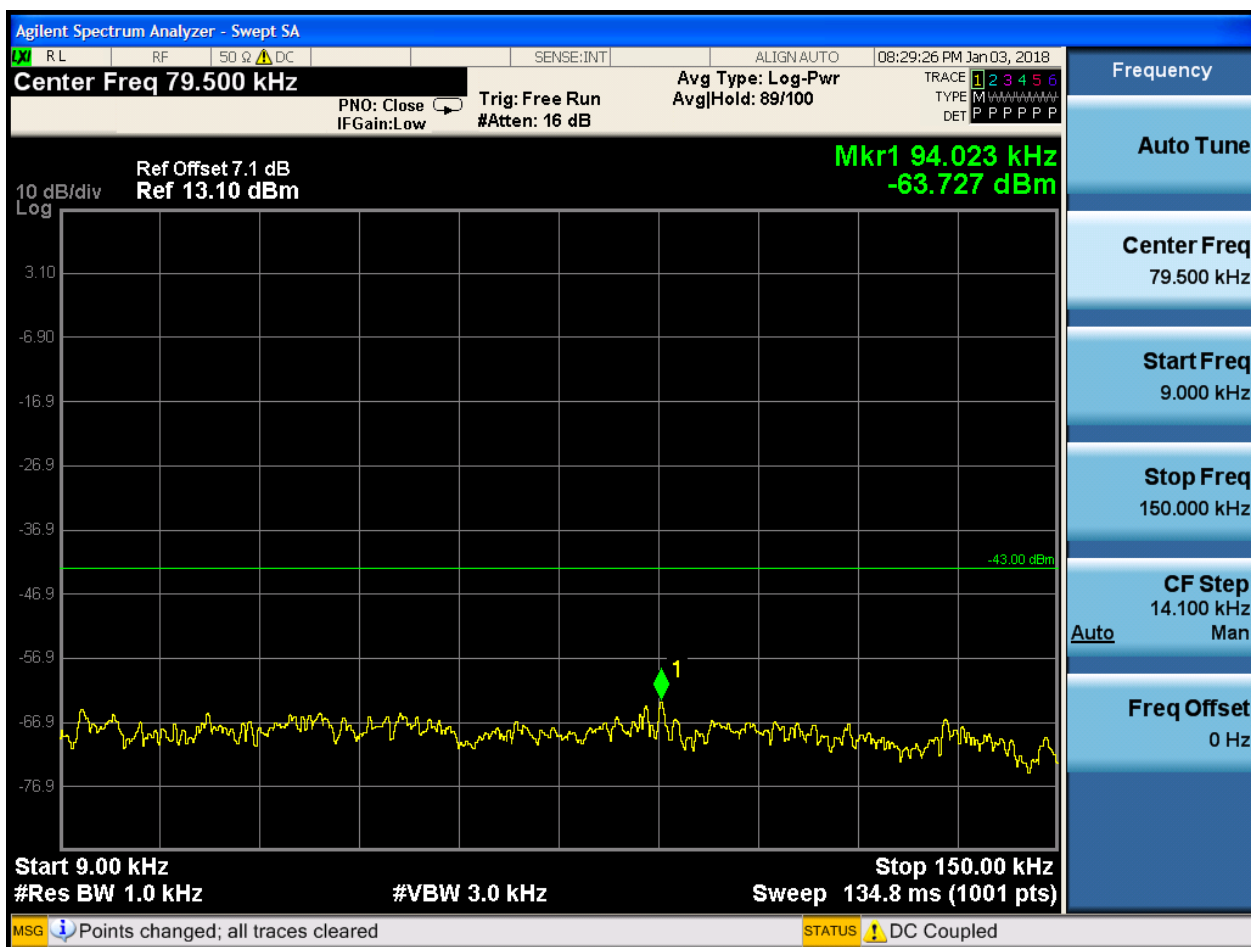


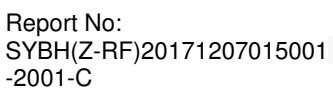


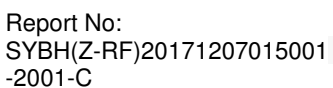
## 6.1.1.2.3 Test Bandwidth = 5

## 6.1.1.2.3.1 Test Channel = LCH

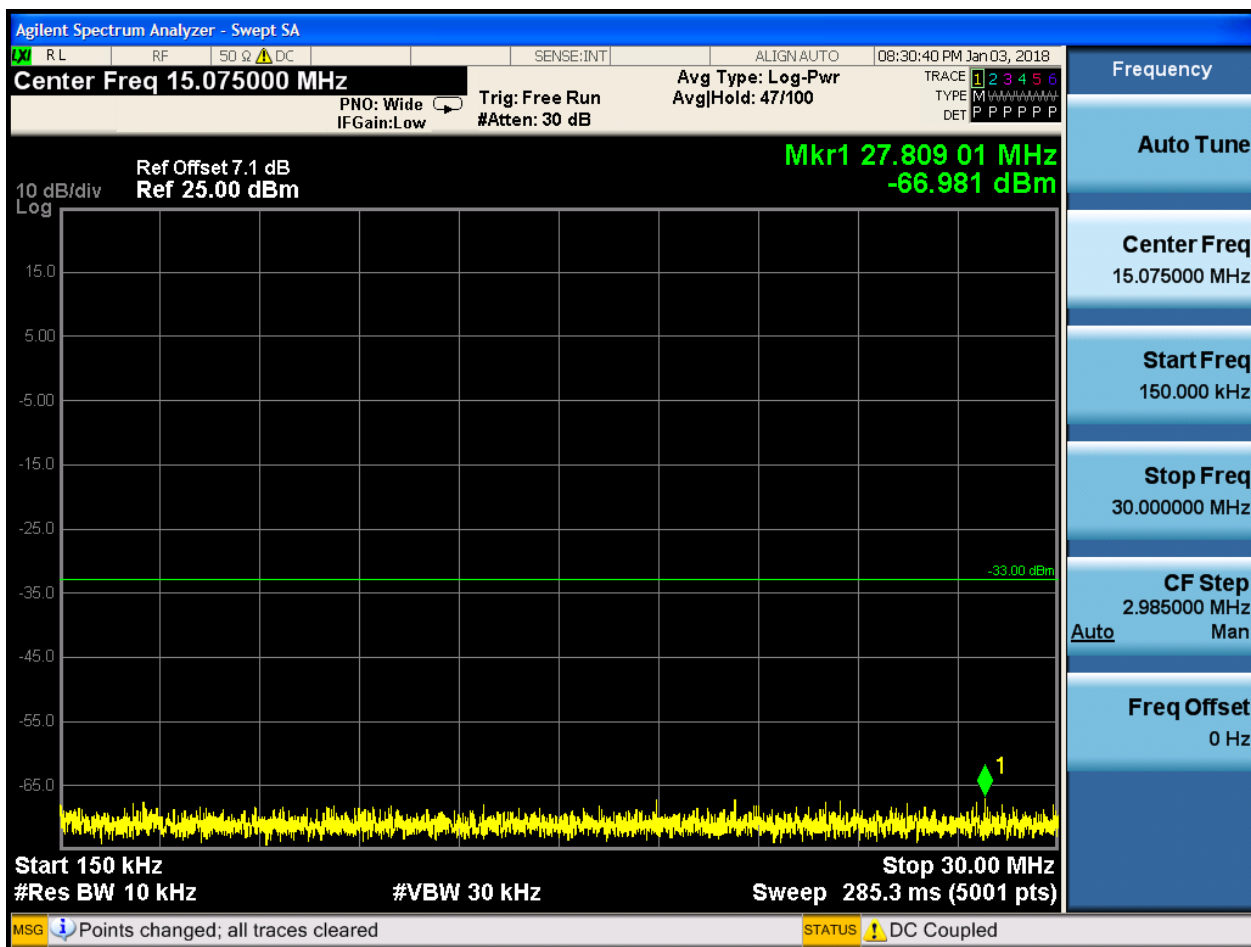
## 6.1.1.2.3.1.1 Test RB = RB1#0

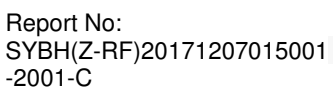








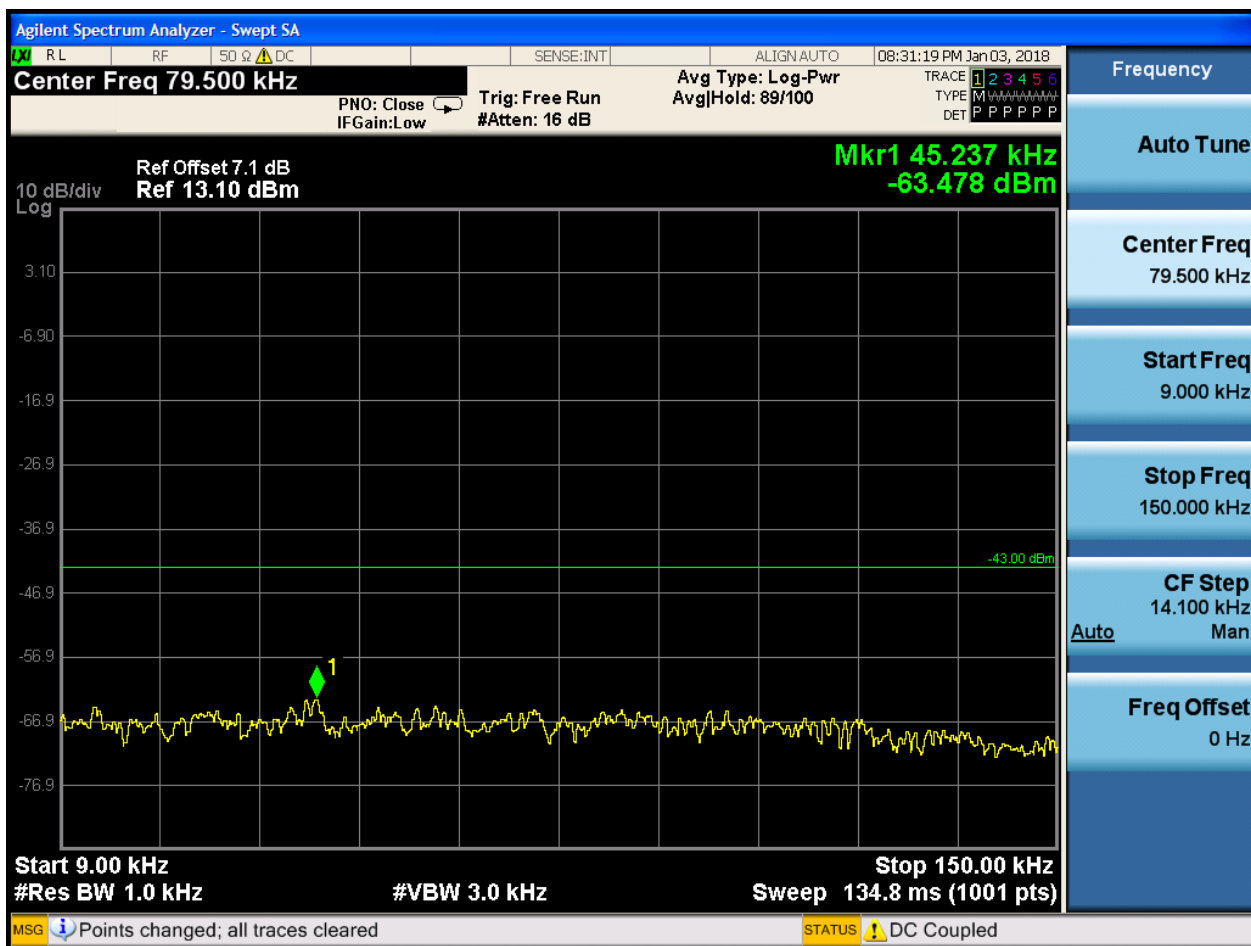


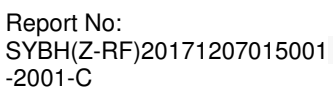


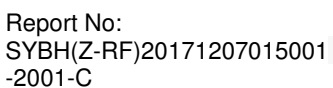


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0



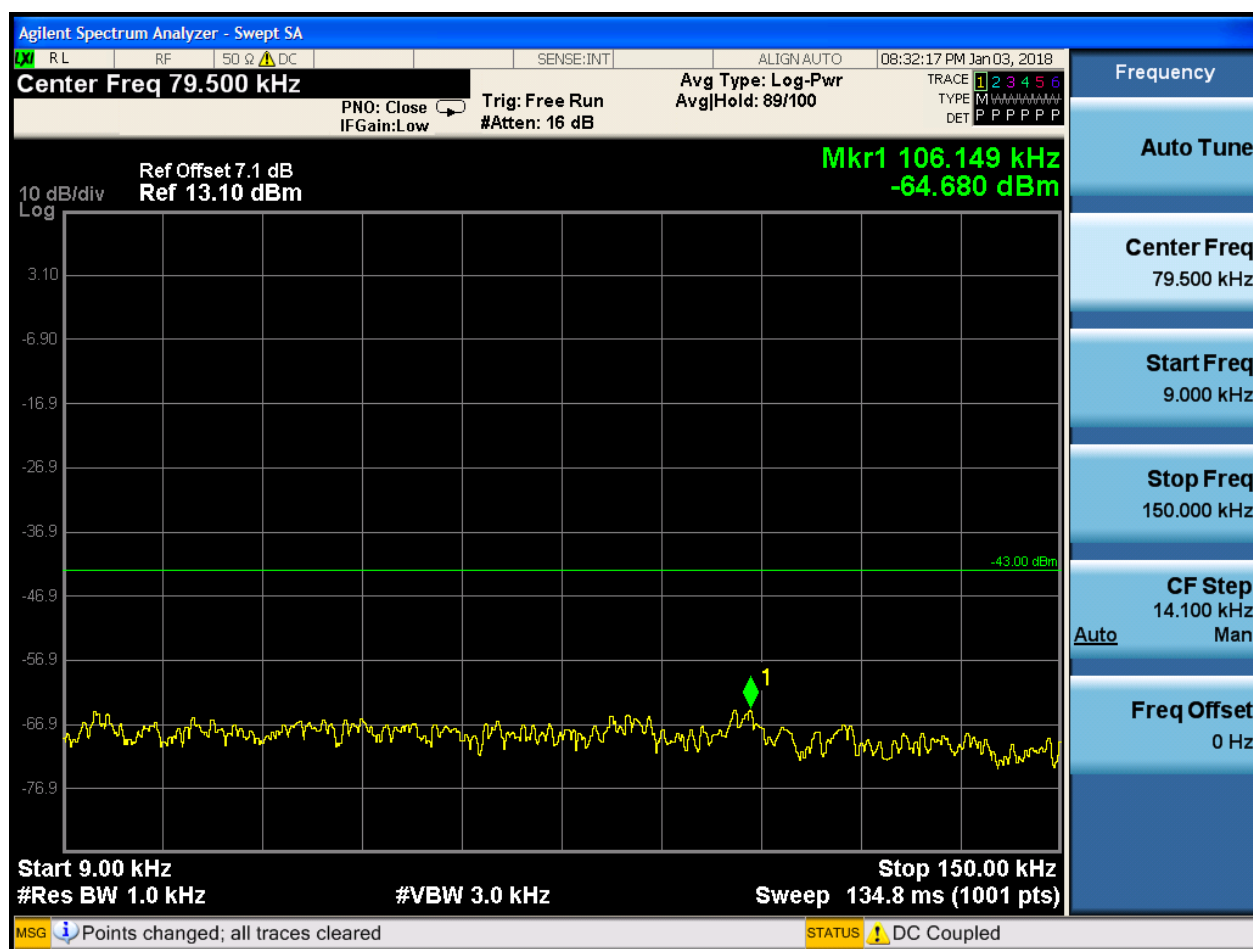




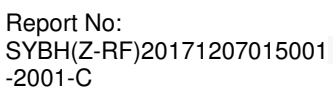
#### 6.1.1.2.4 Test Bandwidth = 10

#### 6.1.1.2.4.1 Test Channel = LCH

#### 6.1.1.2.4.1.1 Test RB = RB1#0



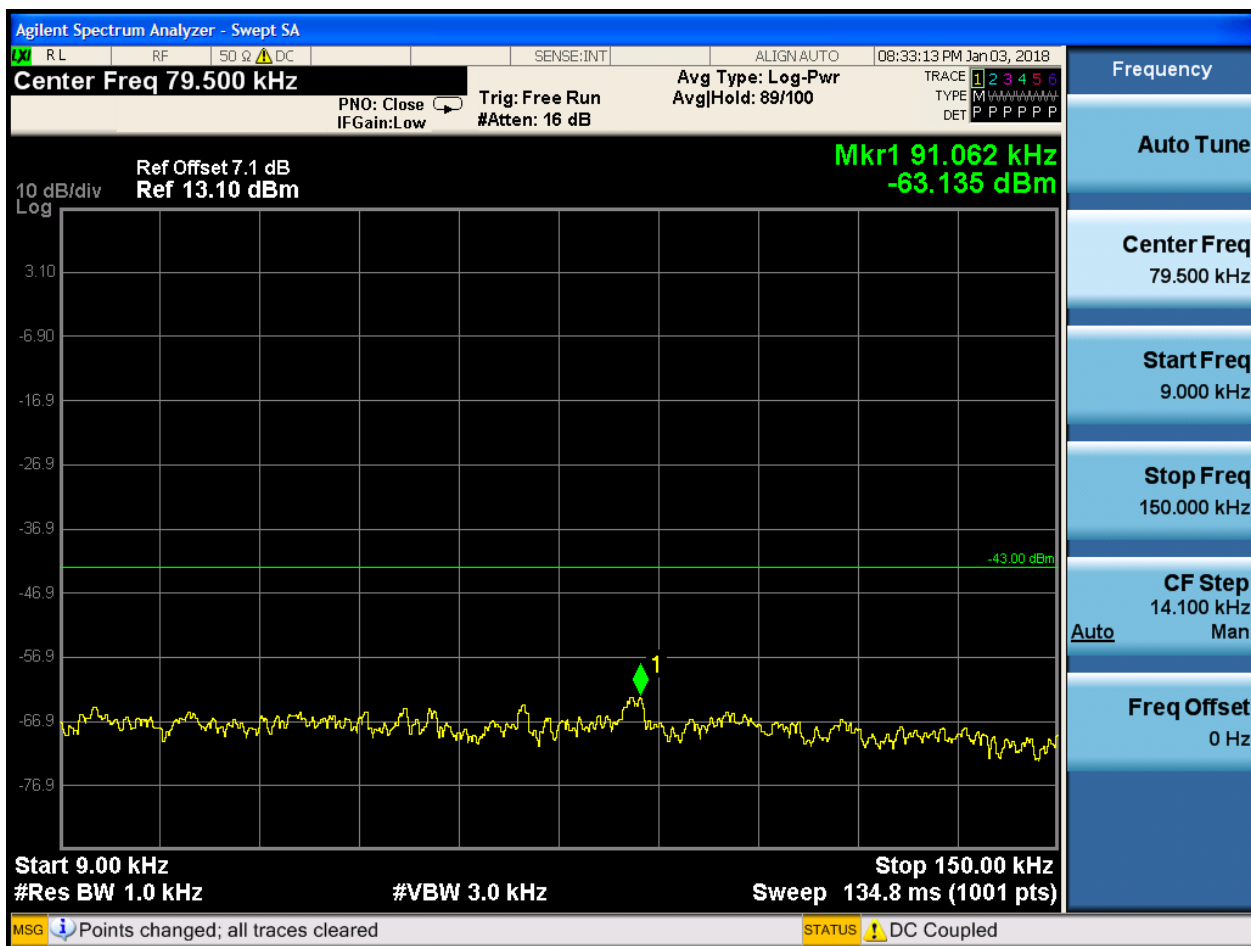


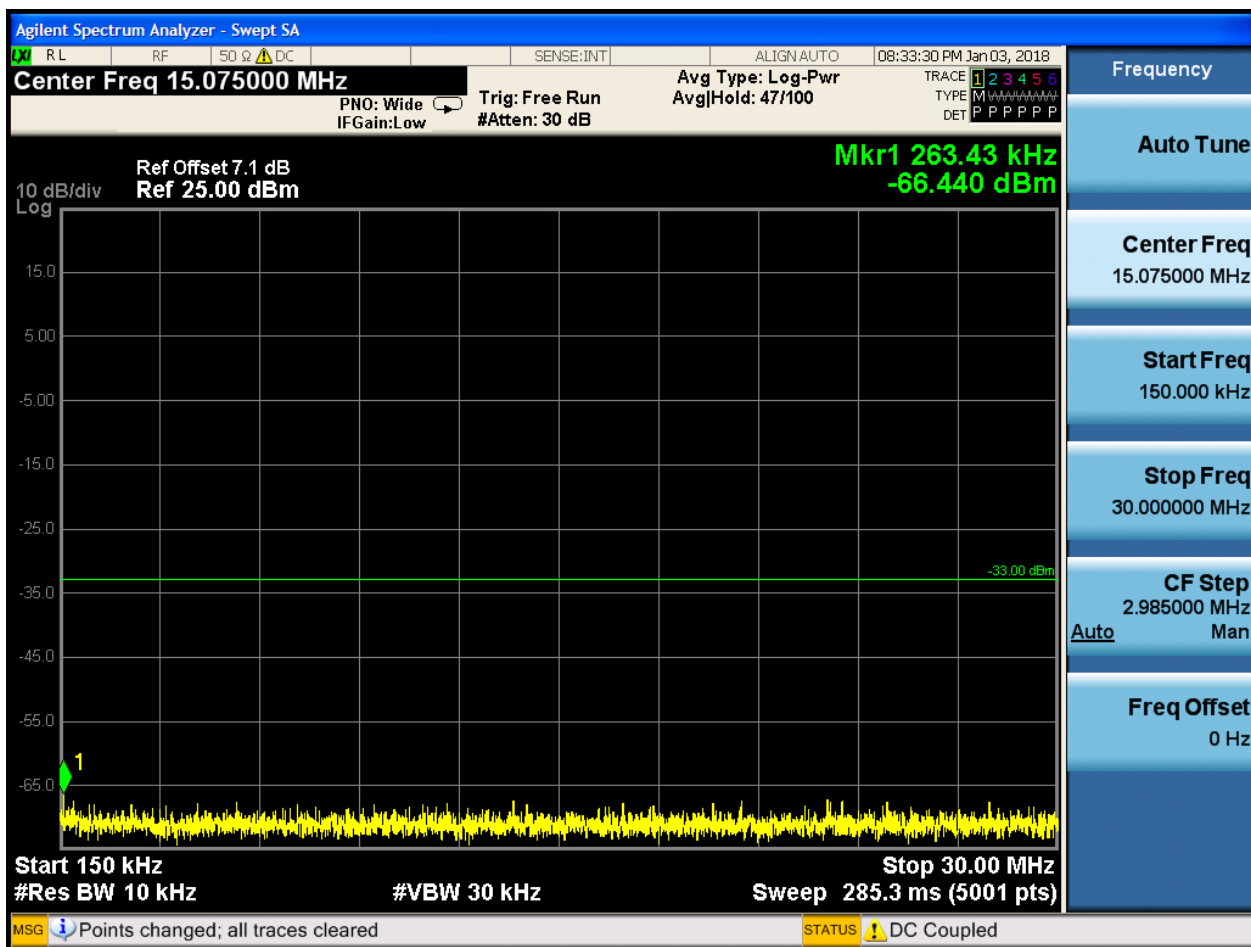


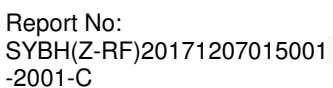


## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0



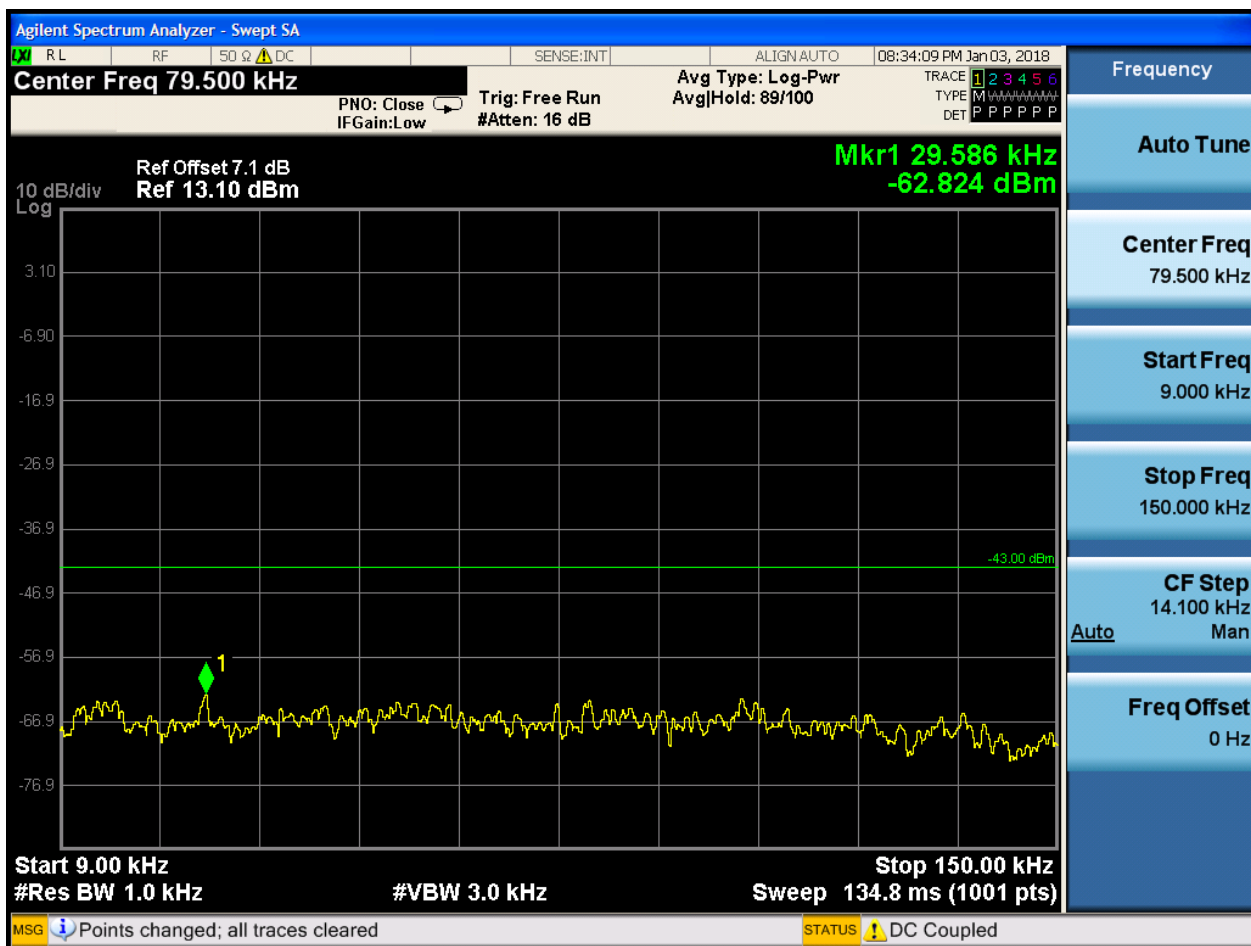




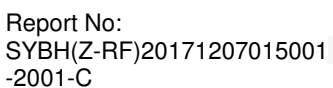


## 6.1.1.2.4.3 Test Channel = HCH

## 6.1.1.2.4.3.1 Test RB = RB1#0



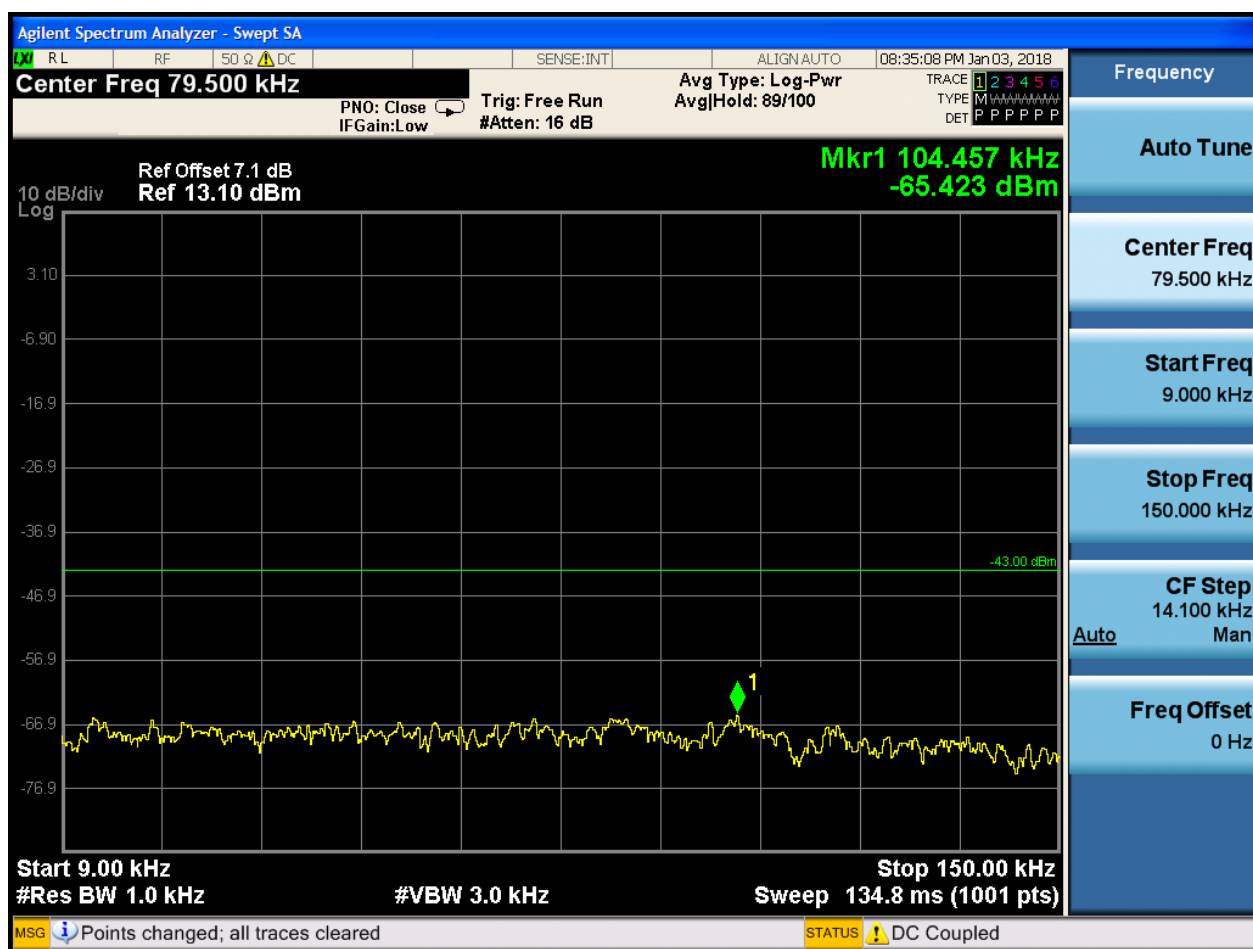


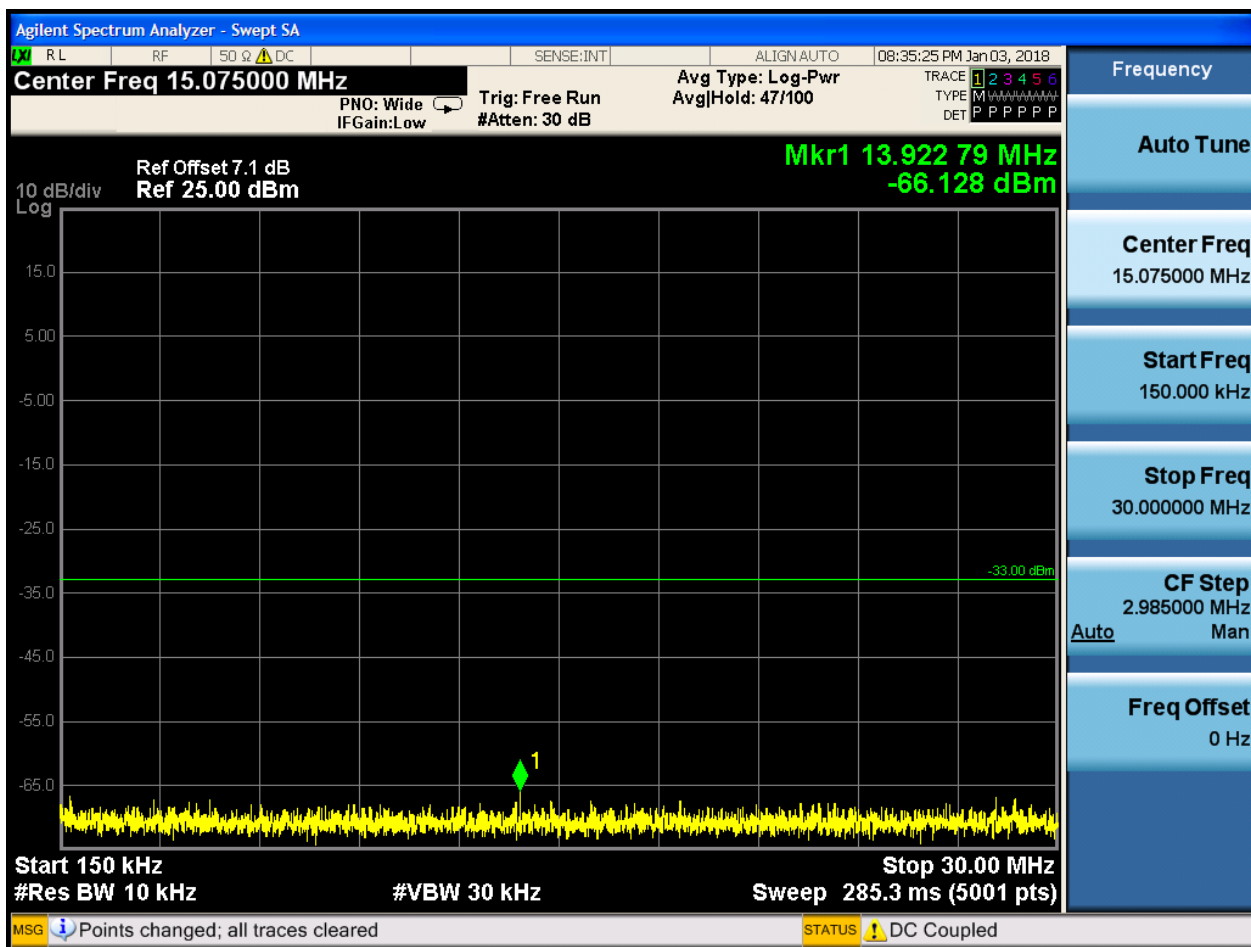


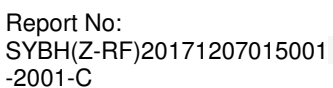
#### 6.1.1.2.5 Test Bandwidth = 15

#### 6.1.1.2.5.1 Test Channel = LCH

#### 6.1.1.2.5.1.1 Test RB = RB1#0

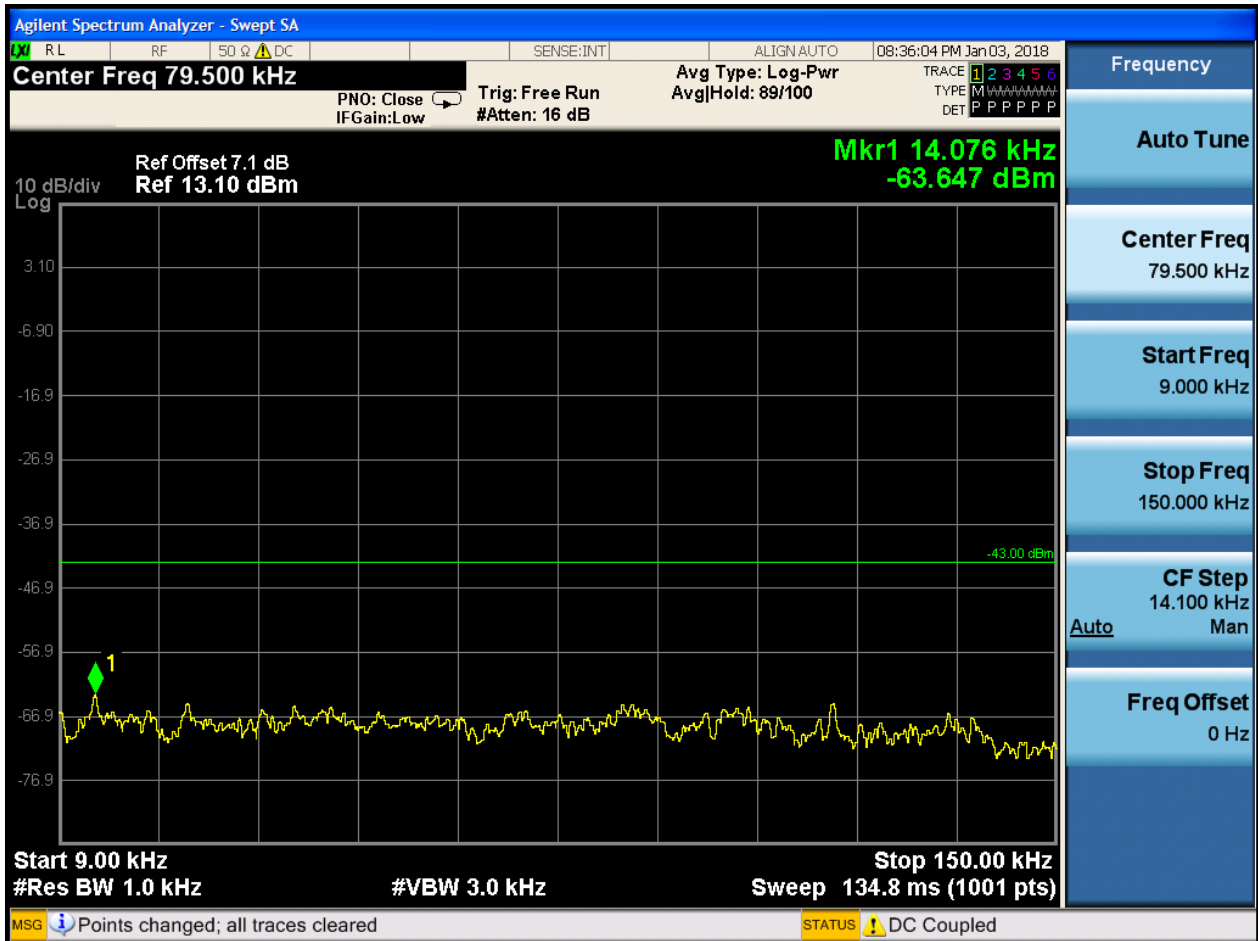


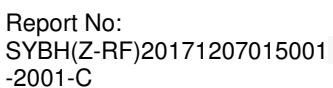


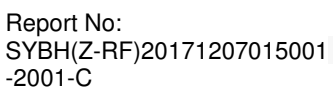




#### 6.1.1.2.5.2.1 Test RB = RB1#0

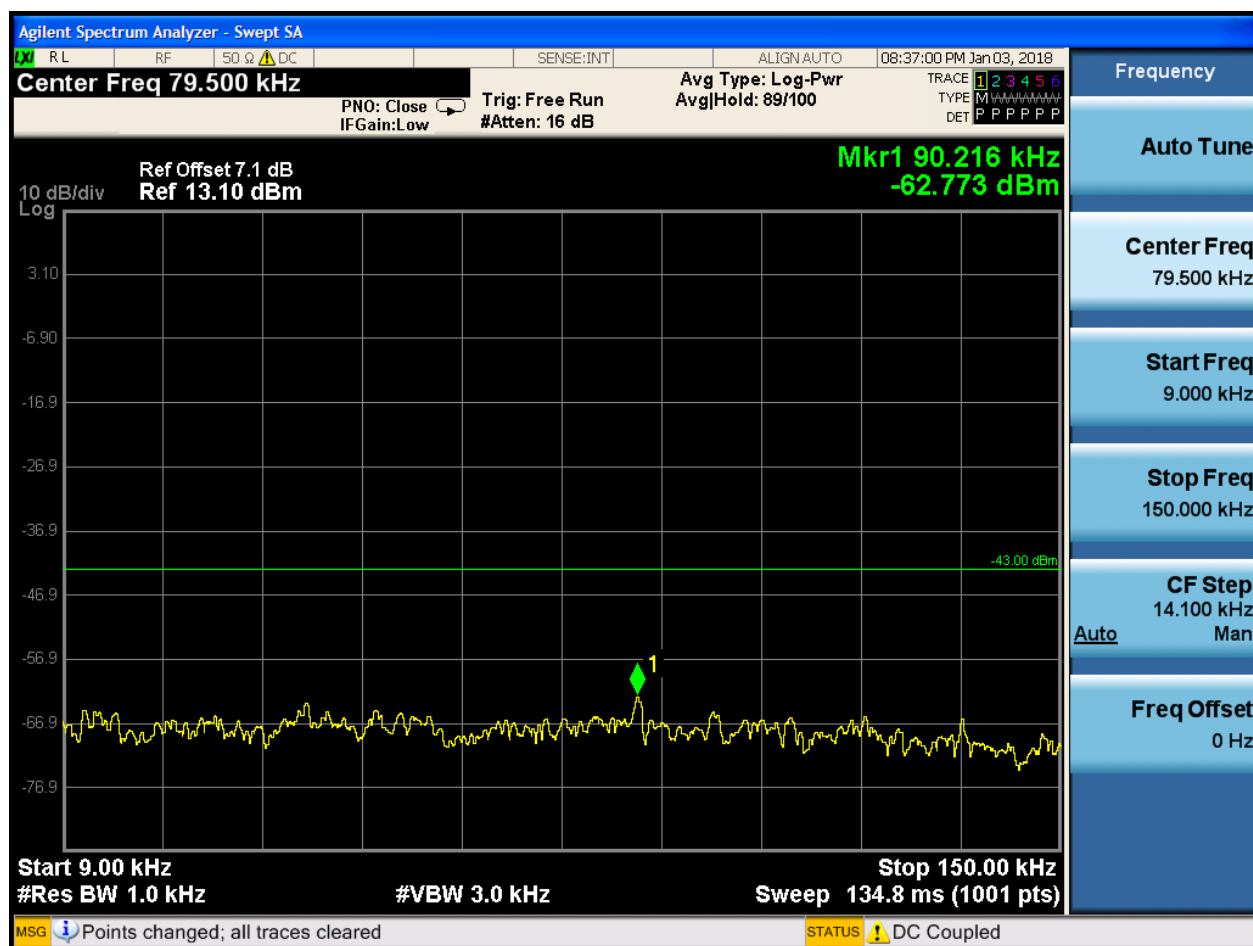


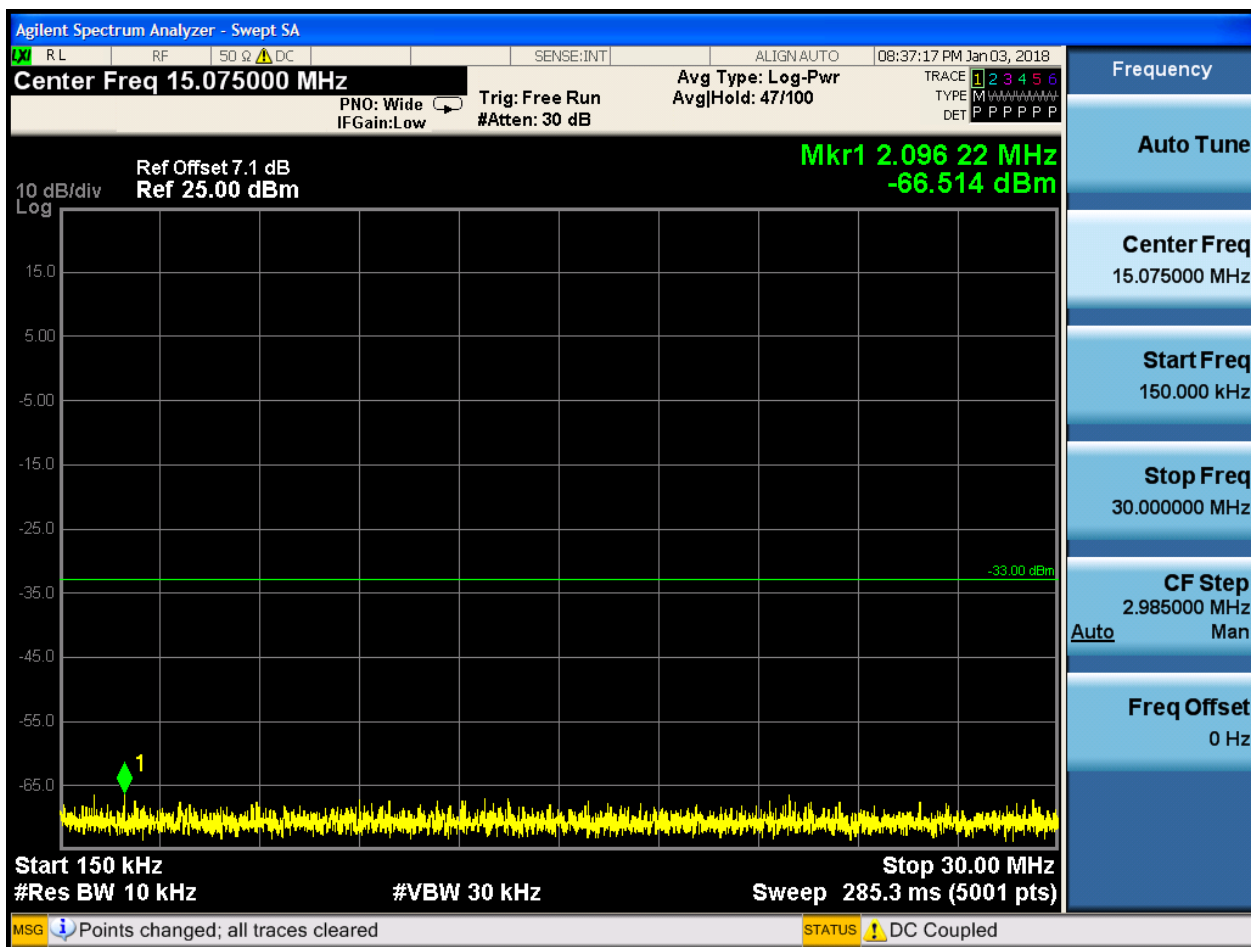


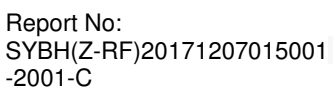


#### 6.1.1.2.5.3 Test Channel = HCH

#### 6.1.1.2.5.3.1 Test RB = RB1#0



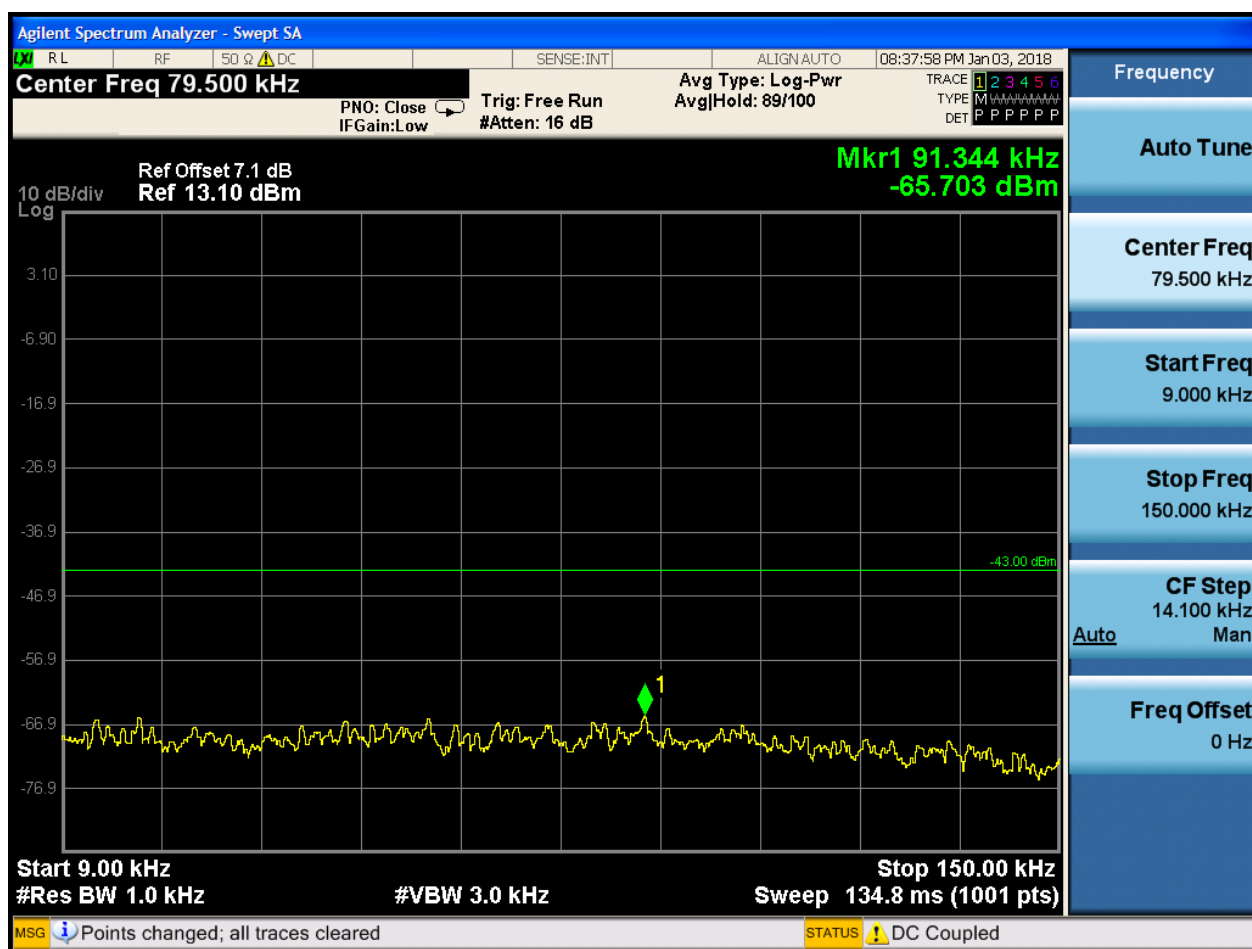


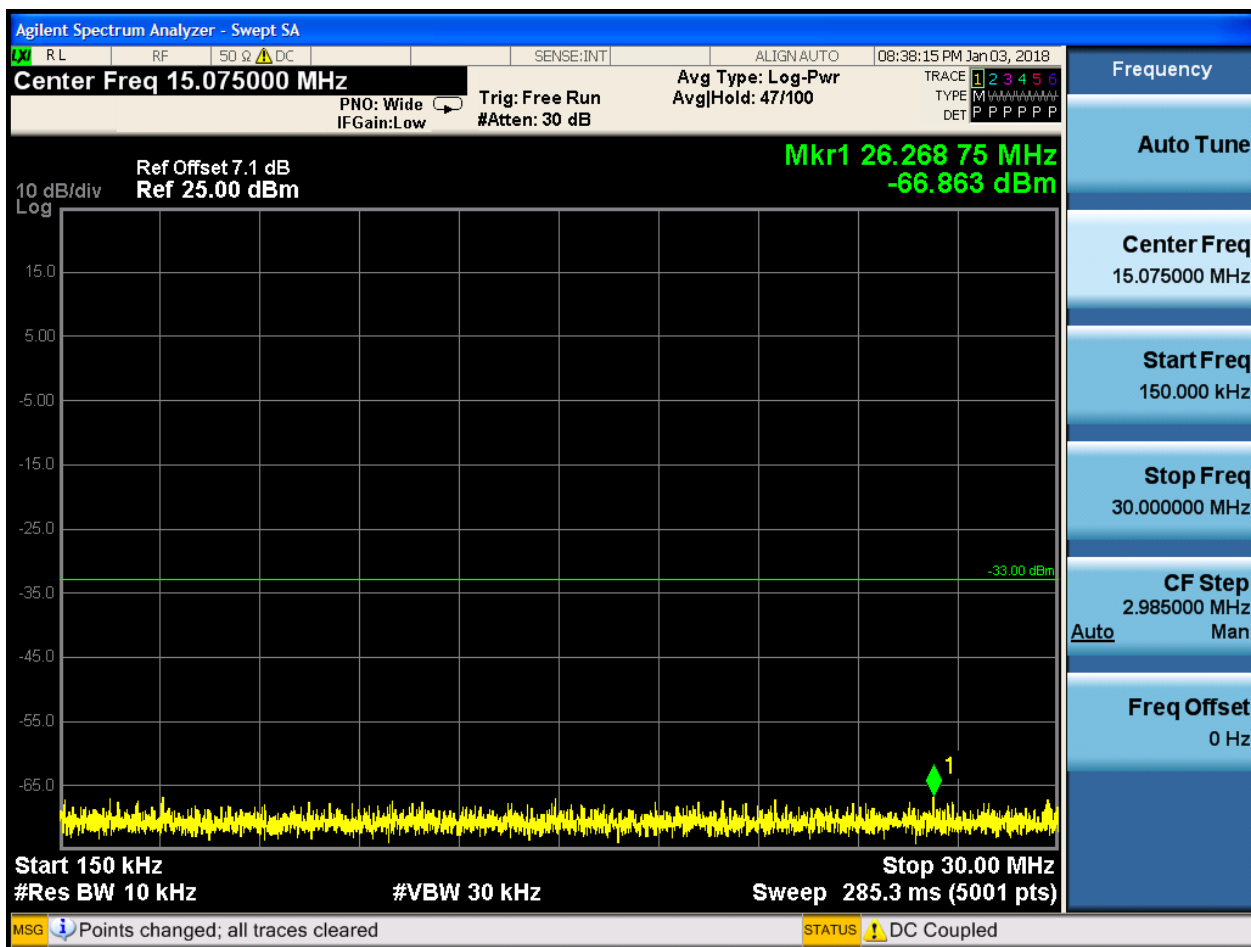


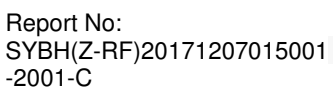
#### 6.1.1.2.6 Test Bandwidth = 20

#### 6.1.1.2.6.1 Test Channel = LCH

#### 6.1.1.2.6.1.1 Test RB = RB1#0

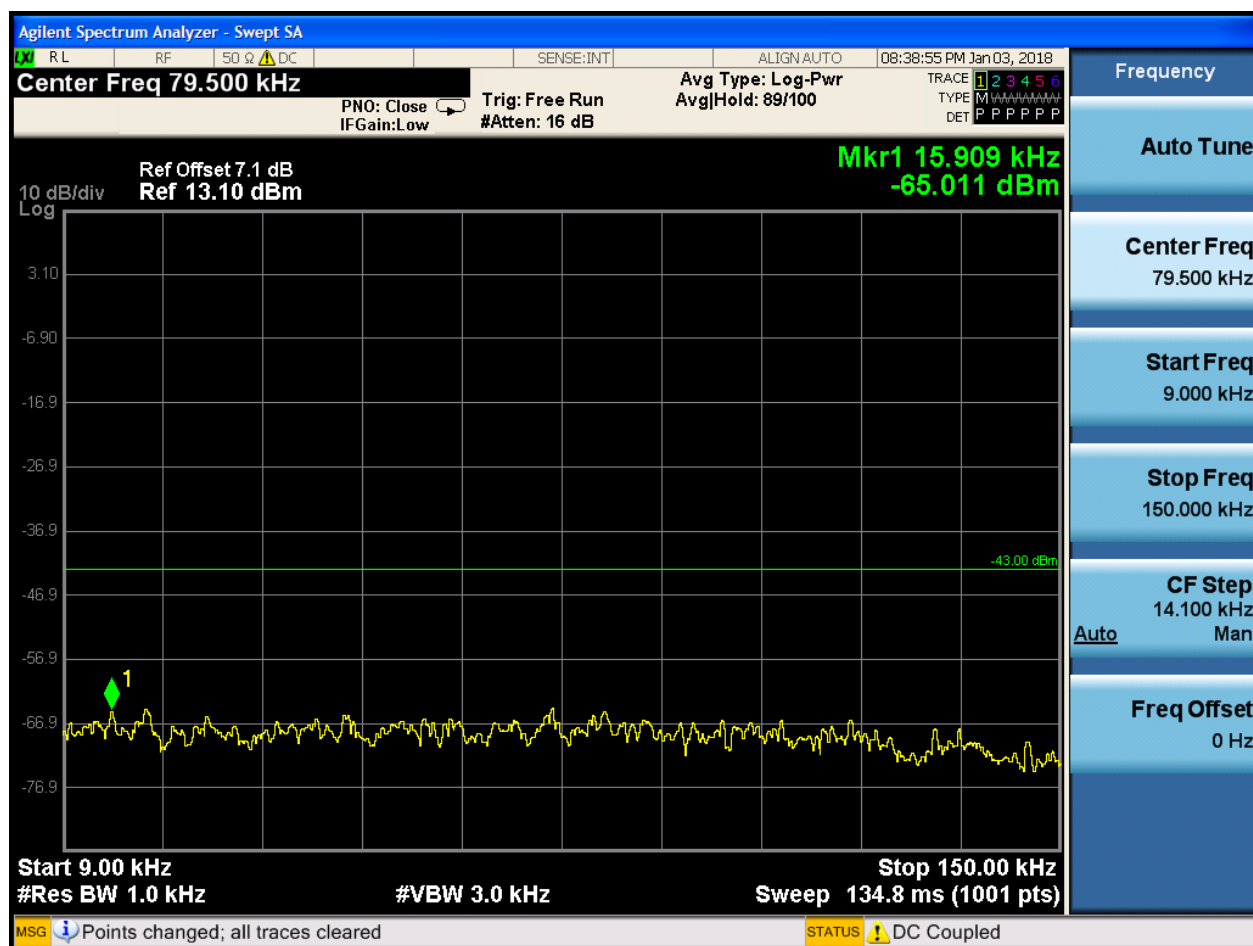


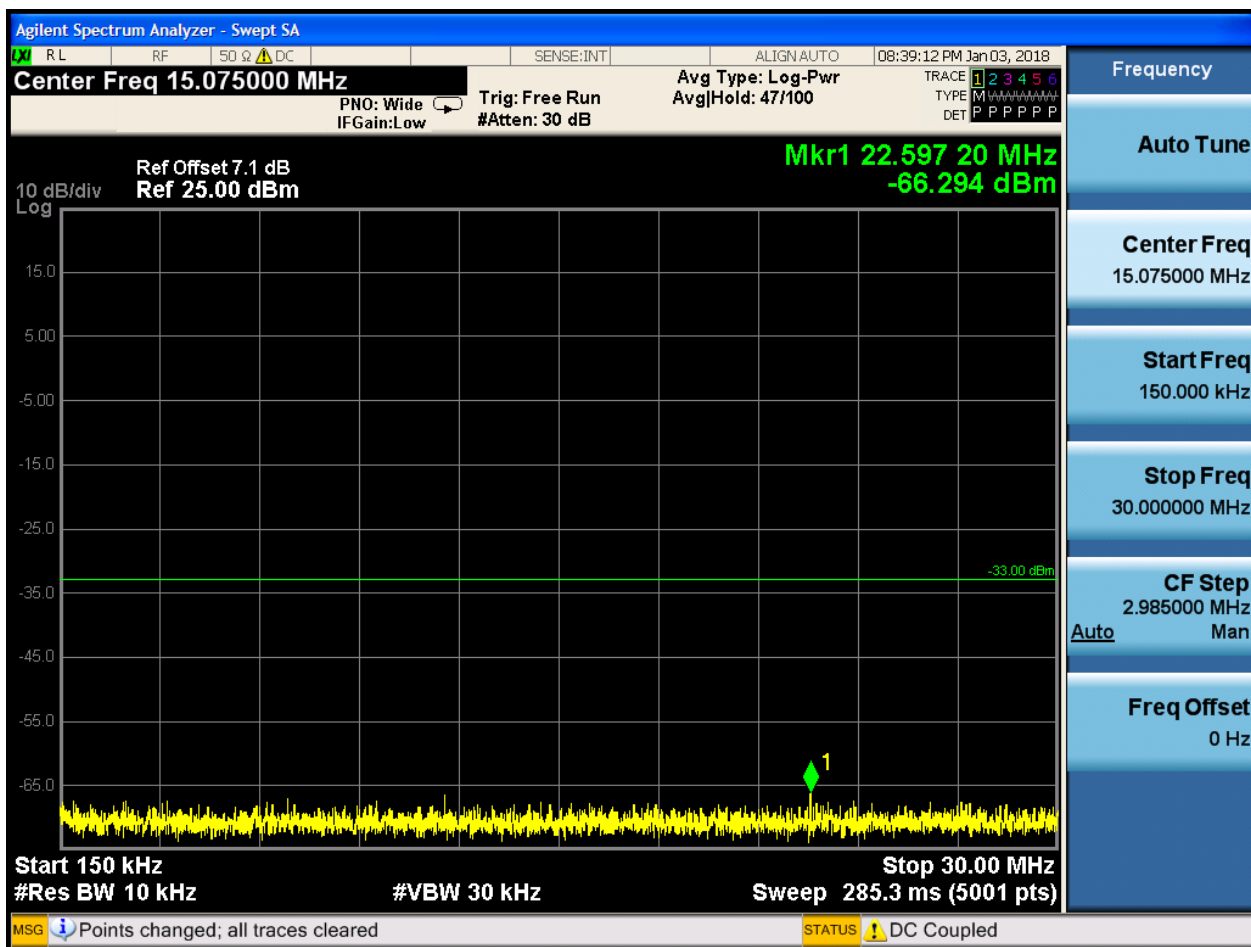


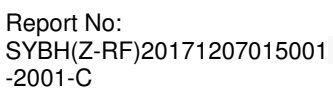


#### 6.1.1.2.6.2 Test Channel = MCH

#### 6.1.1.2.6.2.1 Test RB = RB1#0

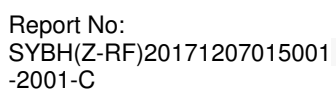


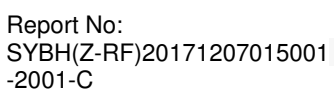


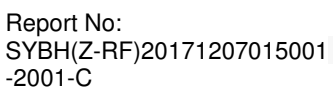




#### 6.1.1.2.6.3.1 Test RB = RB1#0







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

Note:

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

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

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

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

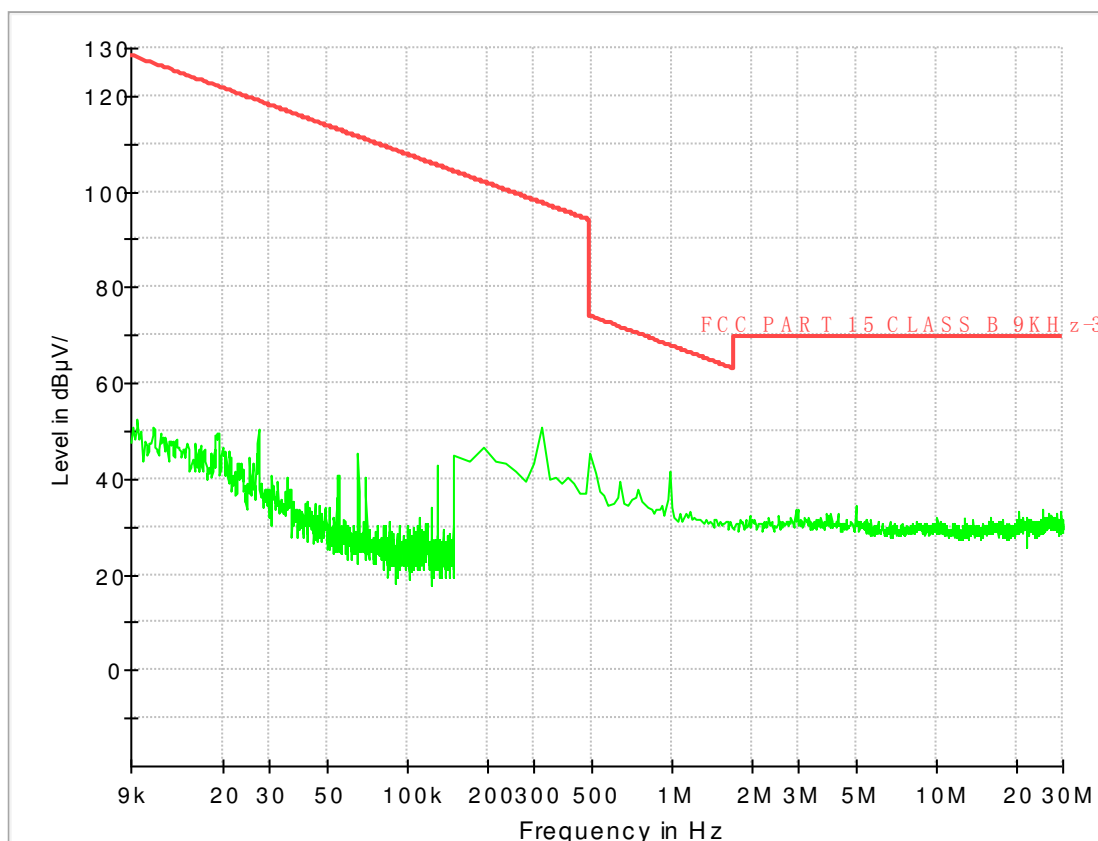
We tested all modes, but the data presented below is the worst case.

### Part I - Test Plots

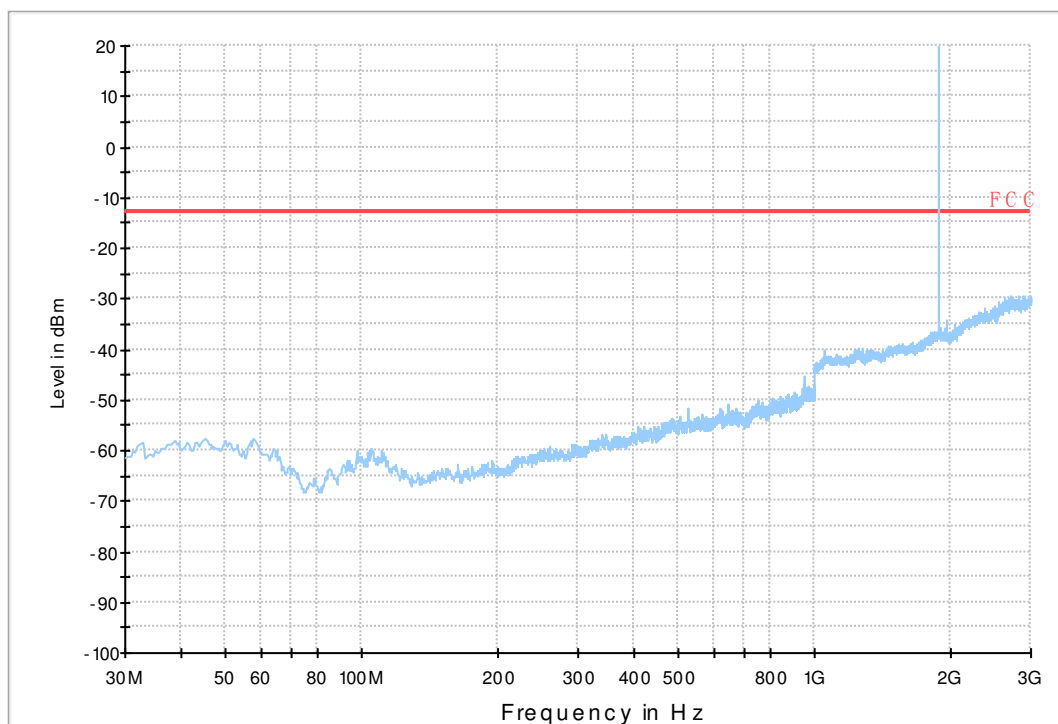
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND2\_ANT1

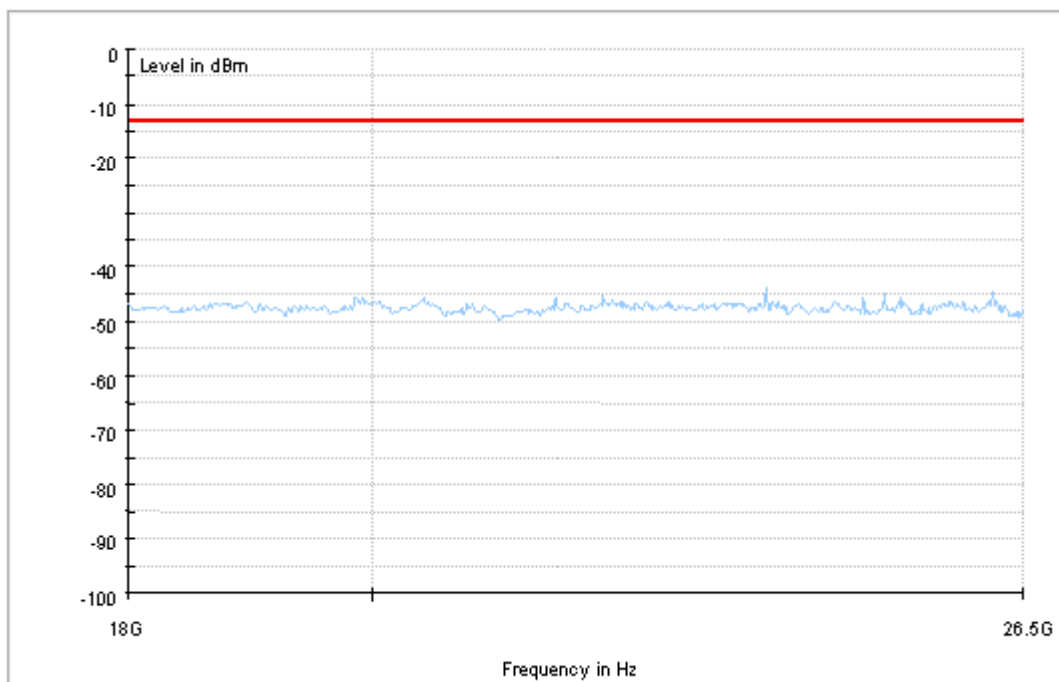
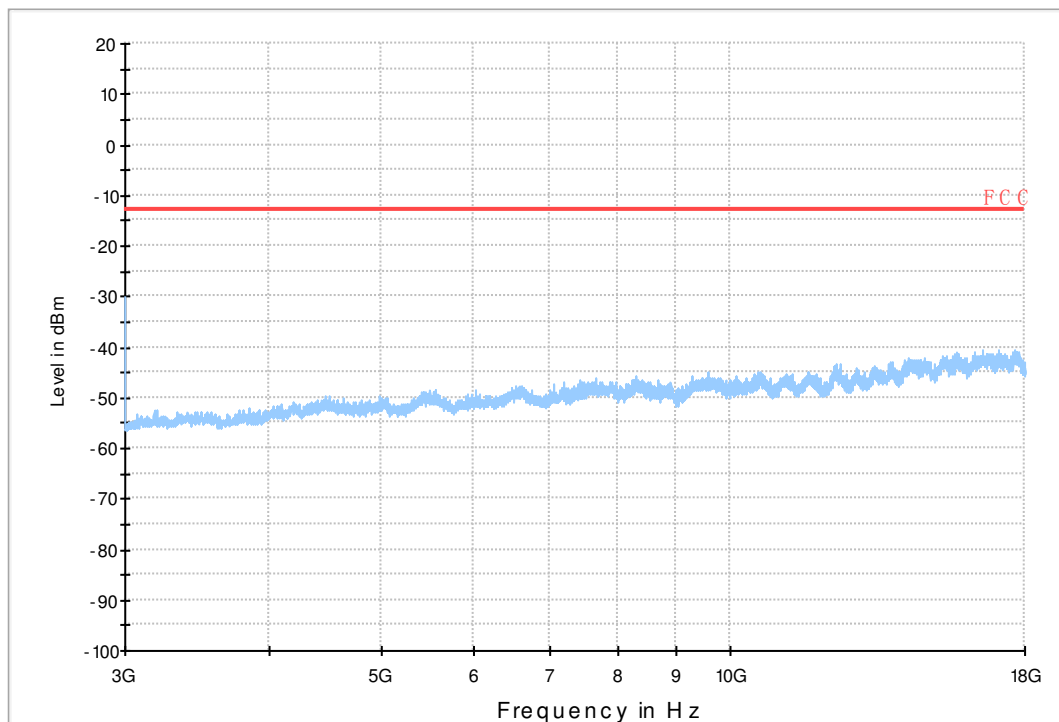
##### 7.1.1.1 Test Bandwidth = 1.4



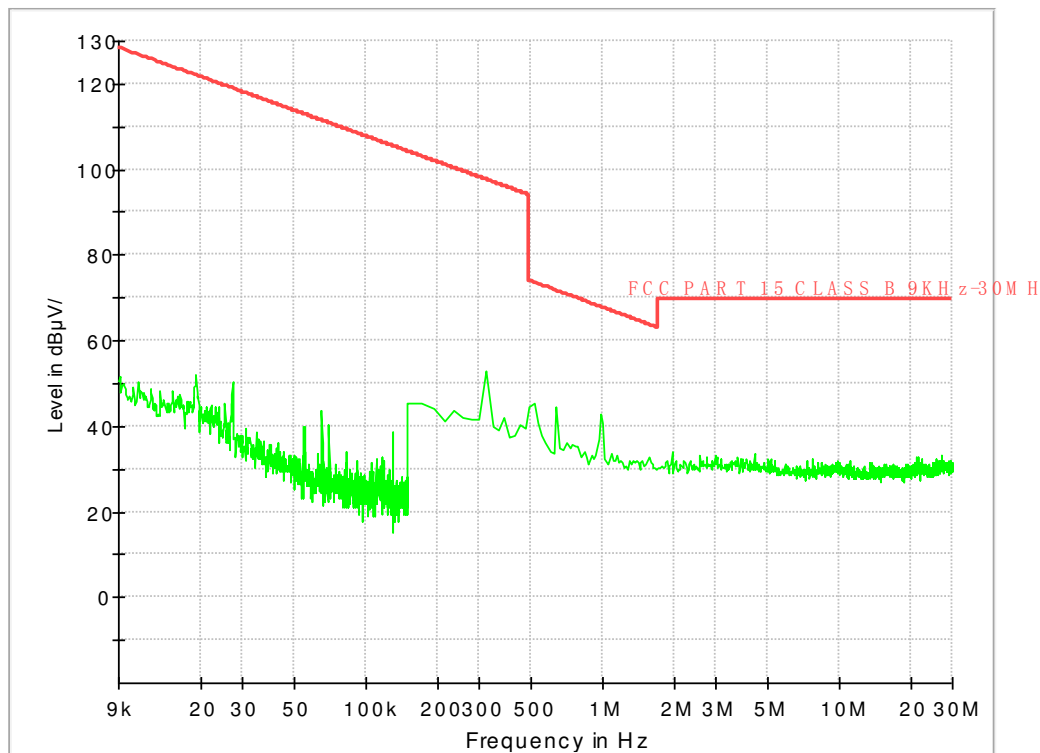
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



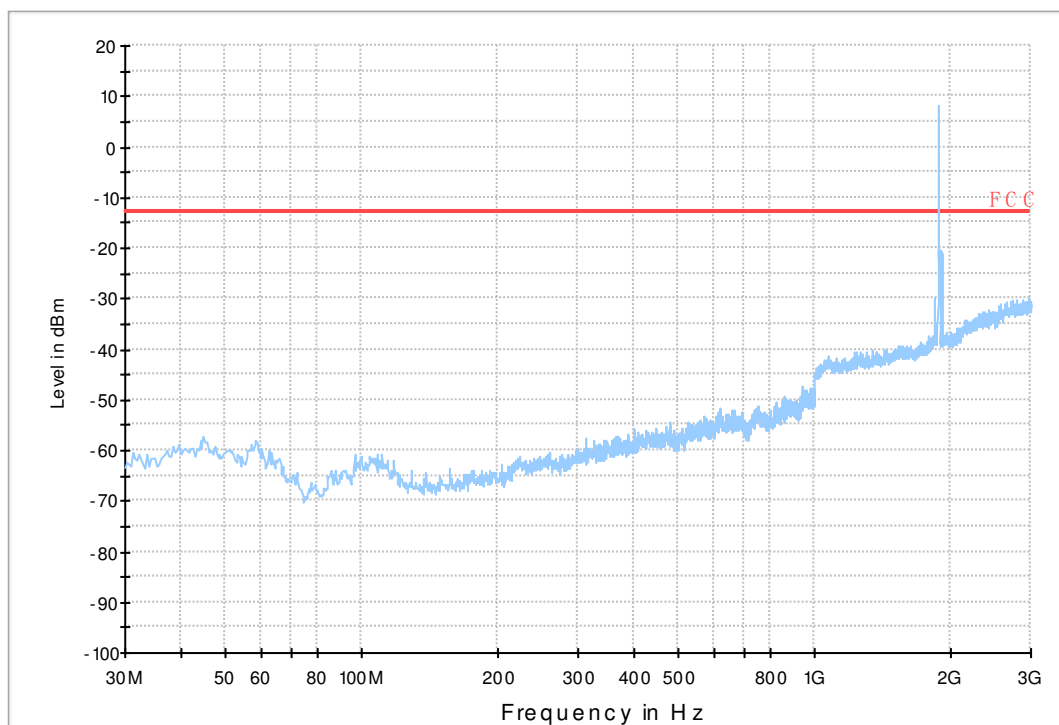
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



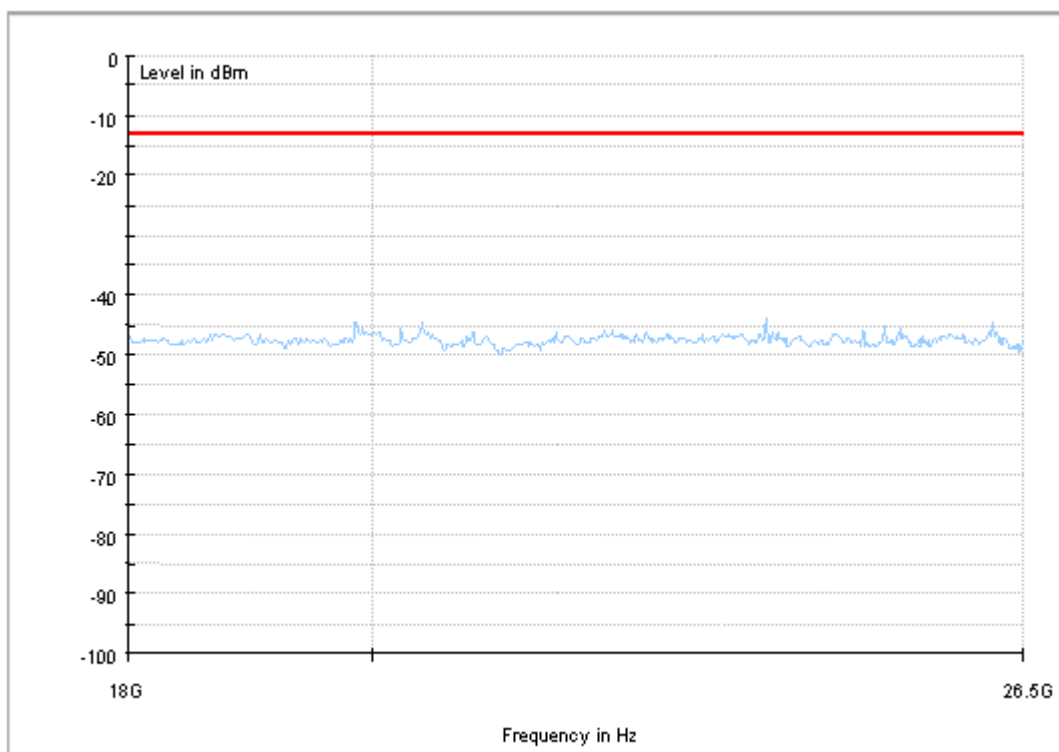
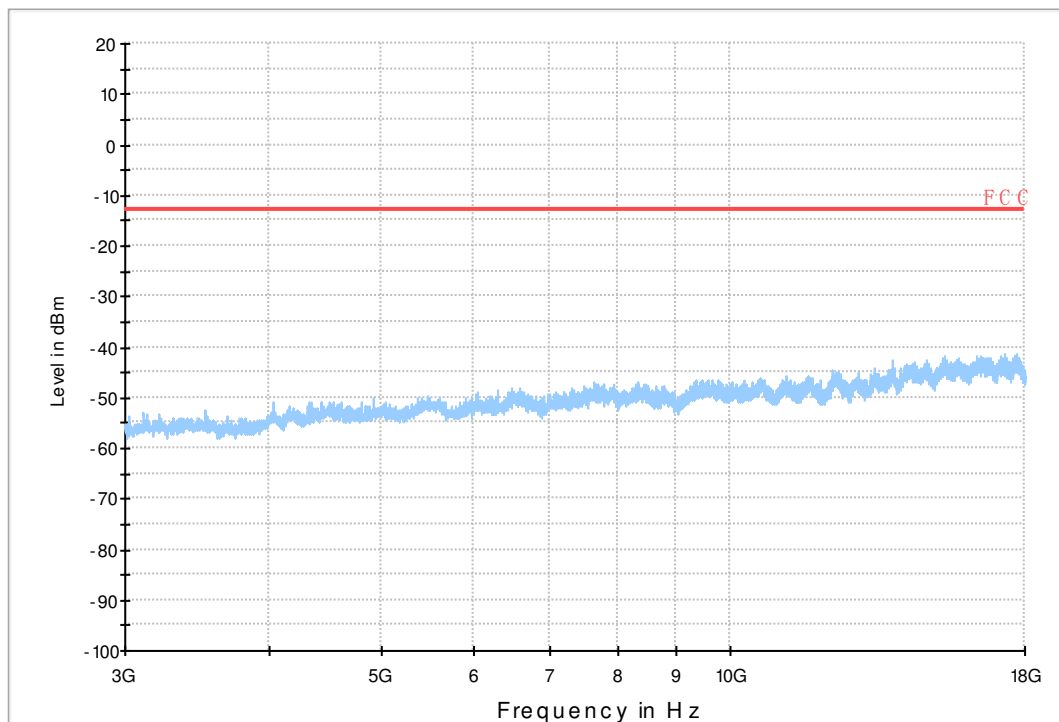
### 7.1.1.3 Test Bandwidth = 20



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

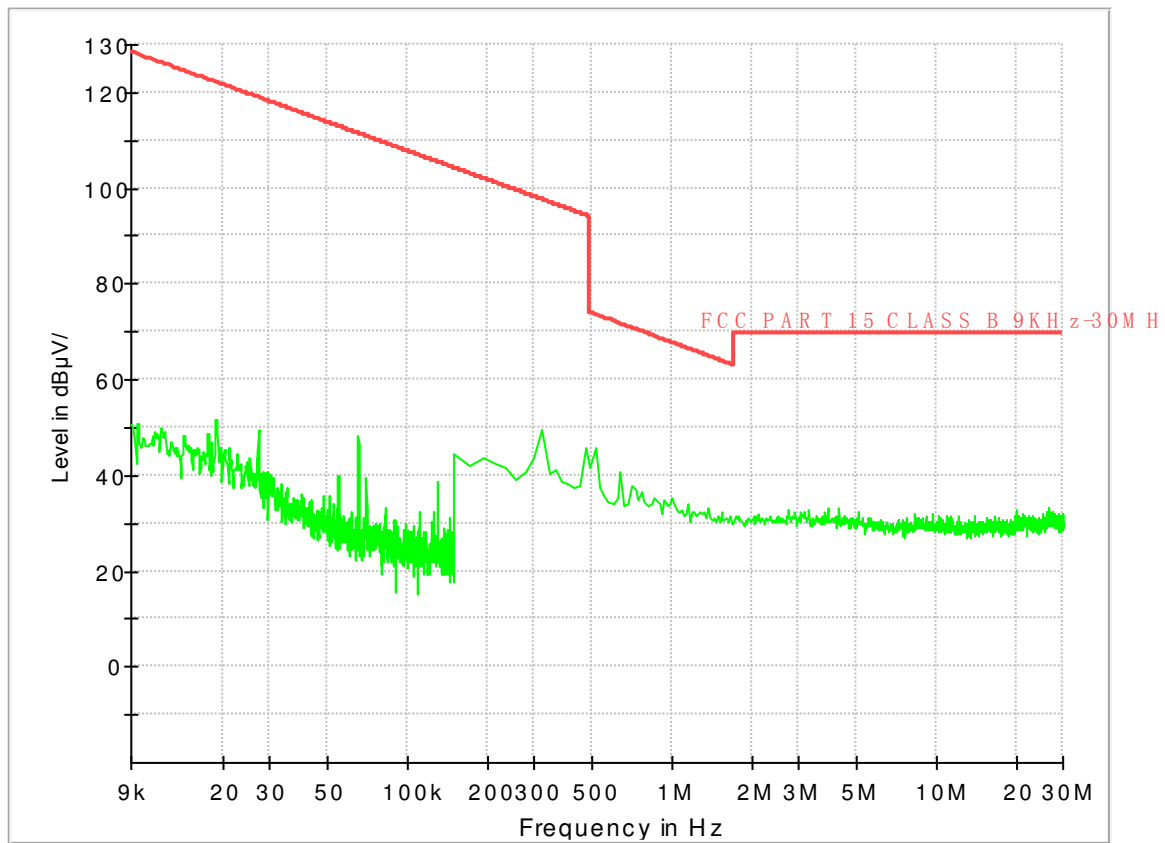


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

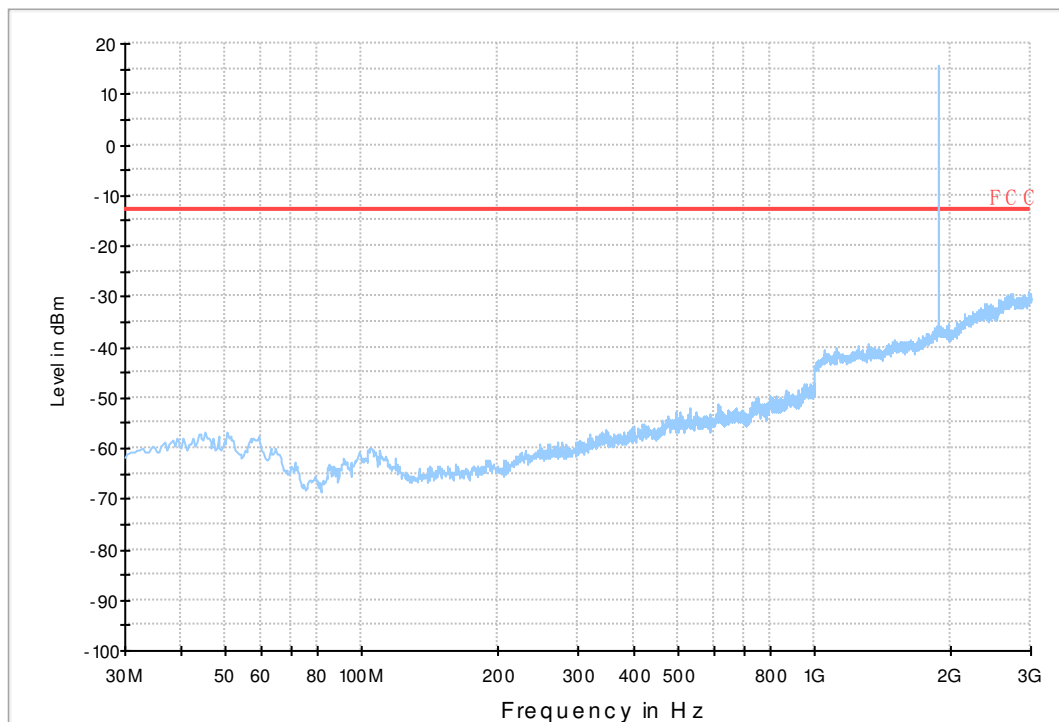


## 7.1.2 Test Band = BAND2\_ANT2

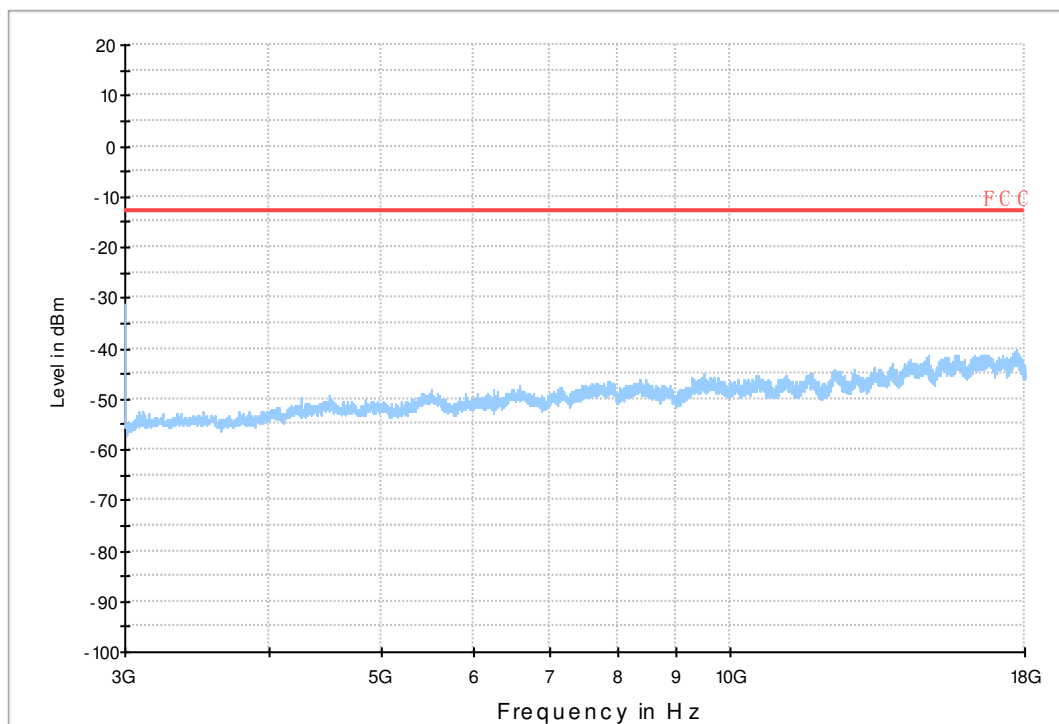
### 7.1.2.1 Test Bandwidth = 1.4

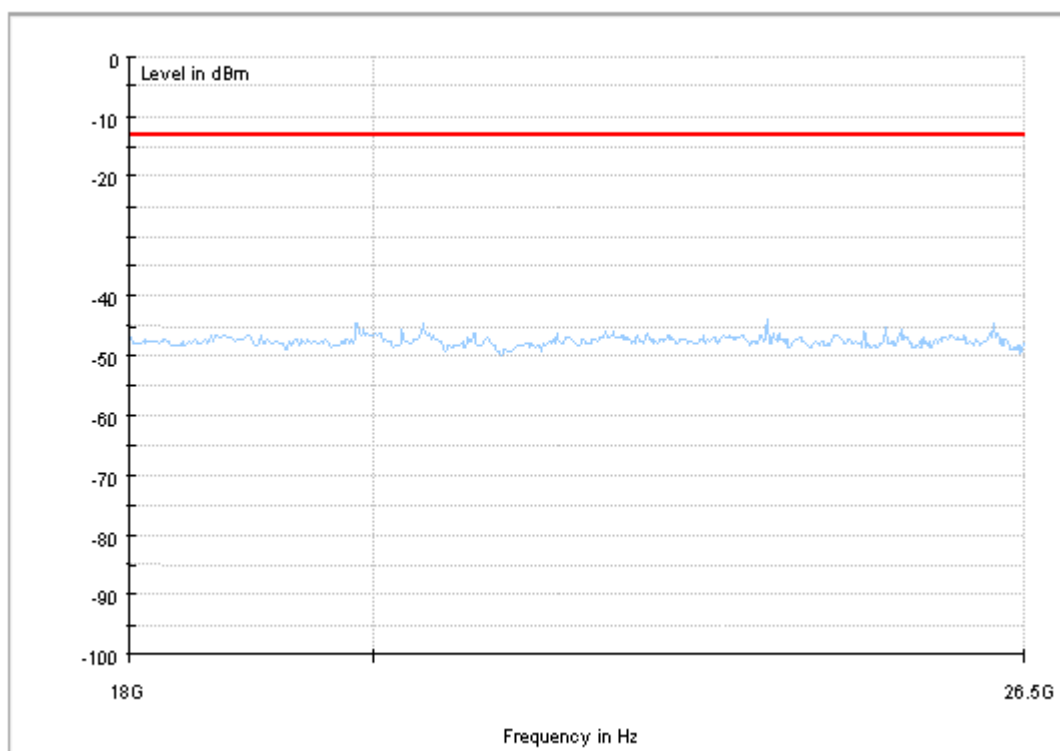


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

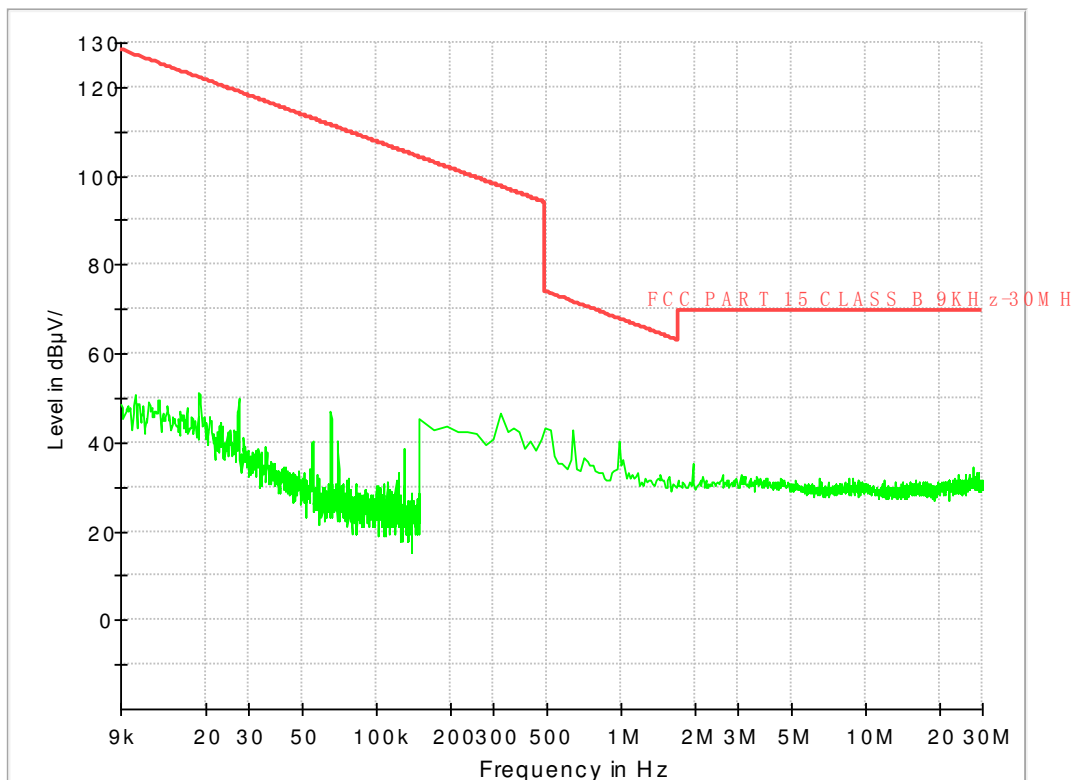


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

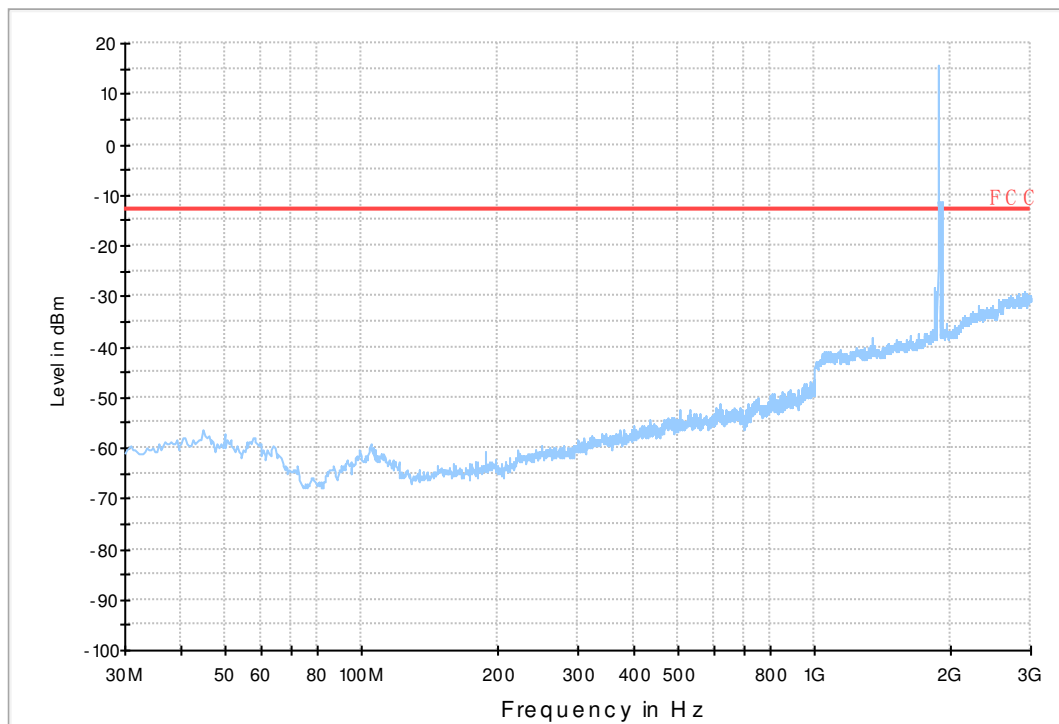




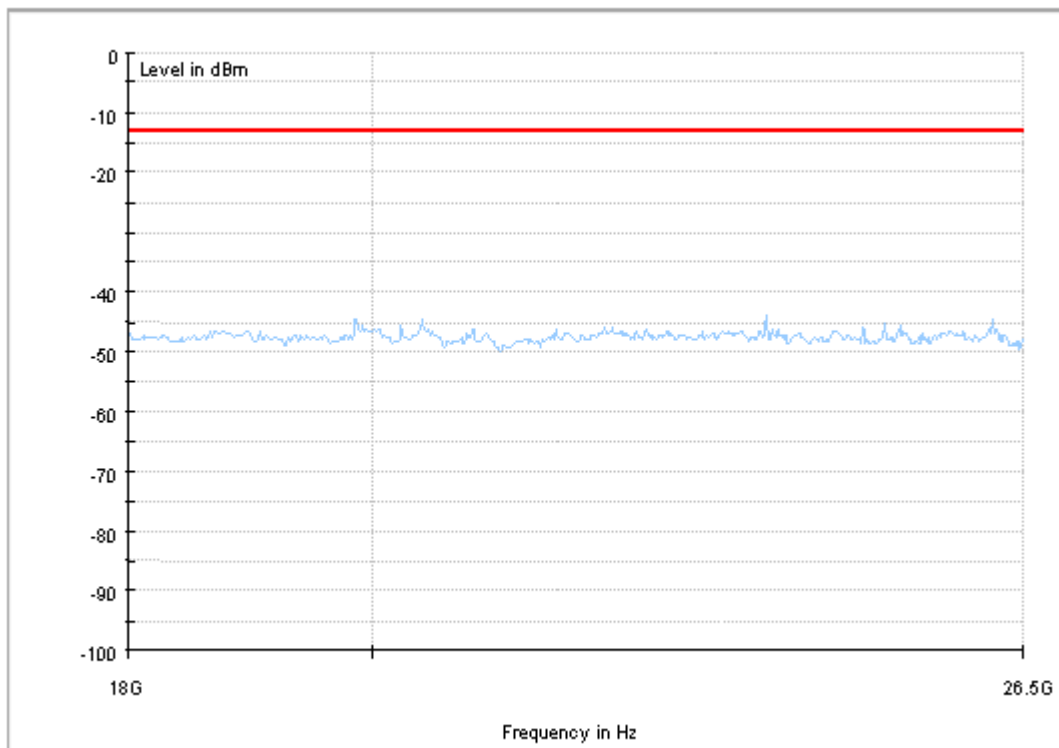
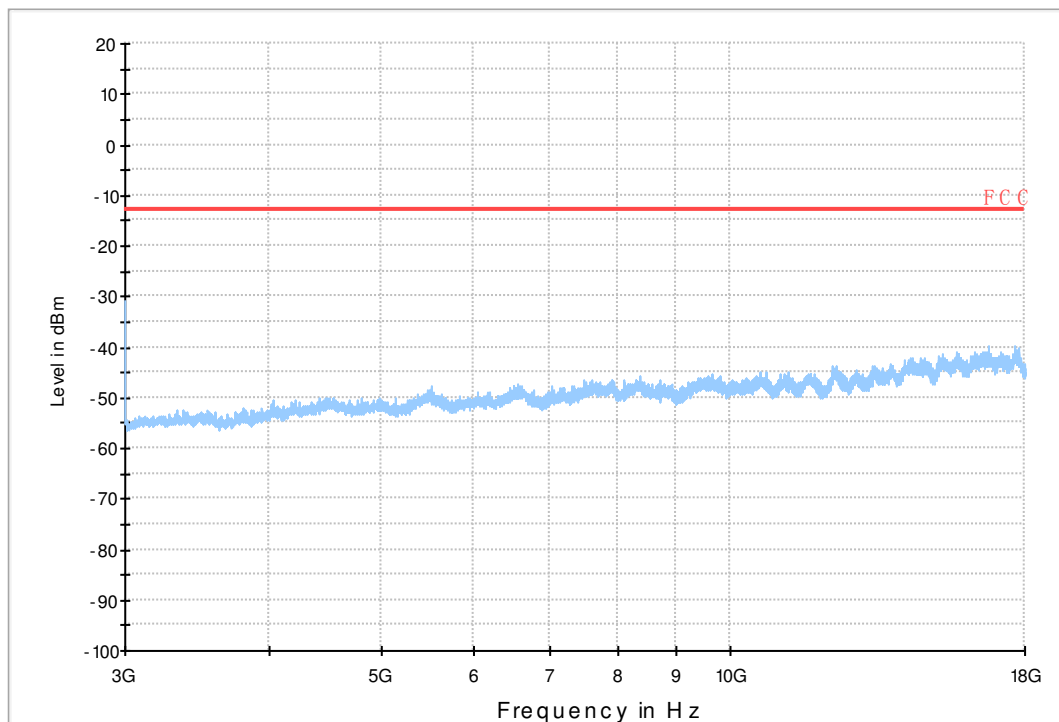
### 7.1.2.2 Test Bandwidth = 20



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



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



## 8Appendix\_H: Frequency Stability

### 8.1 For LTE

#### 8.1.1Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND2     | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | 1.44             | 0.00078               | PASS    |
|           |           |                      |              |            | VN         | 3.98             | 0.00215               | PASS    |
|           |           |                      |              |            | VH         | -8.05            | -0.00435              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.56            | -0.00243              | PASS    |
|           |           |                      |              |            | VN         | -2.62            | -0.00139              | PASS    |
|           |           |                      |              |            | VH         | -2.4             | -0.00128              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.06            | -0.00108              | PASS    |
|           |           |                      |              |            | VN         | -12.75           | -0.00668              | PASS    |
|           |           |                      |              |            | VH         | -8.35            | -0.00437              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | 0.54             | 0.00029               | PASS    |
|           |           |                      |              |            | VN         | 1.26             | 0.00068               | PASS    |
|           |           |                      |              |            | VH         | 1.4              | 0.00076               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.58            | -0.0019               | PASS    |
|           |           |                      |              |            | VN         | -4.75            | -0.00253              | PASS    |
|           |           |                      |              |            | VH         | -0.14            | -0.00007              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.89            | -0.00099              | PASS    |
|           |           |                      |              |            | VN         | 0.1              | 0.00005               | PASS    |
|           |           |                      |              |            | VH         | -3.91            | -0.00205              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -1.95            | -0.00105              | PASS    |
|           |           |                      |              |            | VN         | -2.56            | -0.00138              | PASS    |
|           |           |                      |              |            | VH         | -4.71            | -0.00254              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.56            | -0.00083              | PASS    |
|           |           |                      |              |            | VN         | -1.13            | -0.0006               | PASS    |
|           |           |                      |              |            | VH         | -3.46            | -0.00184              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.23            | -0.00064              | PASS    |
|           |           |                      |              |            | VN         | -2.07            | -0.00109              | PASS    |
|           |           |                      |              |            | VH         | 1                | 0.00052               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -1.72            | -0.00093              | PASS    |
|           |           |                      |              |            | VN         | 2.56             | 0.00138               | PASS    |
|           |           |                      |              |            | VH         | -1.82            | -0.00098              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           | LTE/TM2   |                      | MCH          | TN         | VL         | 0.11             | 0.00006               | PASS    |
|           |           |                      |              |            | VN         | -1.49            | -0.00079              | PASS    |
|           |           |                      |              |            | VH         | -0.33            | -0.00018              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.77            | -0.0004               | PASS    |
|           |           |                      |              |            | VN         | 0.51             | 0.00027               | PASS    |
|           |           |                      |              |            | VH         | -1.63            | -0.00086              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -1.6             | -0.00086              | PASS    |
|           |           |                      |              |            | VN         | -0.06            | -0.00003              | PASS    |
|           |           |                      |              |            | VH         | -1.34            | -0.00072              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.31            | -0.00016              | PASS    |
|           |           |                      |              |            | VN         | 0.14             | 0.00007               | PASS    |
|           |           |                      |              |            | VH         | 1.67             | 0.00089               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.77             | 0.0004                | PASS    |
|           |           |                      |              |            | VN         | -2.73            | -0.00143              | PASS    |
|           |           |                      |              |            | VH         | -1.63            | -0.00086              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | 0.23             | 0.00012               | PASS    |
|           |           |                      |              |            | VN         | 2.88             | 0.00155               | PASS    |
|           |           |                      |              |            | VH         | 0.87             | 0.00047               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.53             | 0.00028               | PASS    |
|           |           |                      |              |            | VN         | 0.84             | 0.00045               | PASS    |
|           |           |                      |              |            | VH         | -2.95            | -0.00157              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.63             | 0.00086               | PASS    |
|           |           |                      |              |            | VN         | 3.39             | 0.00178               | PASS    |
|           |           |                      |              |            | VH         | 2.43             | 0.00128               | PASS    |
|           |           | 1.4                  | LCH          | TN         | VL         | -1.29            | -0.0007               | PASS    |
|           |           |                      |              |            | VN         | 1.62             | 0.00088               | PASS    |
|           |           |                      |              |            | VH         | 2.63             | 0.00142               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.83            | -0.00151              | PASS    |
|           |           |                      |              |            | VN         | -2.73            | -0.00145              | PASS    |
|           |           |                      |              |            | VH         | 0.19             | 0.0001                | PASS    |
|           |           |                      | HCH          | TN         | VL         | 3.22             | 0.00169               | PASS    |
|           |           |                      |              |            | VN         | -1.79            | -0.00094              | PASS    |
|           |           |                      |              |            | VH         | -2               | -0.00105              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -0.1             | -0.00005              | PASS    |
|           |           |                      |              |            | VN         | 1.5              | 0.00081               | PASS    |
|           |           |                      |              |            | VH         | -2.55            | -0.00138              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.31            | -0.00016              | PASS    |
|           |           |                      |              |            | VN         | -1.09            | -0.00058              | PASS    |
|           |           |                      |              |            | VH         | -1.09            | -0.00058              | 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         | -3.29            | -0.00175              | PASS    |
|           |           |                      |              |            | VL         | -3.56            | -0.00187              | PASS    |
|           |           |                      |              |            | VN         | 1.13             | 0.00059               | PASS    |
|           |           |                      |              |            | VH         | -3.32            | -0.00174              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | 1.1              | 0.00059               | PASS    |
|           |           |                      |              |            | VN         | 0.9              | 0.00049               | PASS    |
|           |           |                      |              |            | VH         | 2.42             | 0.00131               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.72            | -0.00145              | PASS    |
|           |           |                      |              |            | VN         | -0.36            | -0.00019              | PASS    |
|           |           |                      |              |            | VH         | 0.11             | 0.00006               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.23            | -0.00064              | PASS    |
|           |           |                      |              |            | VN         | -3.68            | -0.00193              | PASS    |
|           |           |                      |              |            | VH         | -3.4             | -0.00178              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -2.15            | -0.00116              | PASS    |
|           |           |                      |              |            | VN         | -2.62            | -0.00141              | PASS    |
|           |           |                      |              |            | VH         | 0.72             | 0.00039               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.5              | 0.00027               | PASS    |
|           |           |                      |              |            | VN         | -2.02            | -0.00107              | PASS    |
|           |           |                      |              |            | VH         | 1.54             | 0.00082               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.74             | 0.00039               | PASS    |
|           |           |                      |              |            | VN         | 0.11             | 0.00006               | PASS    |
|           |           |                      |              |            | VH         | -0.04            | -0.00002              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -0.7             | -0.00038              | PASS    |
|           |           |                      |              |            | VN         | -1.75            | -0.00094              | PASS    |
|           |           |                      |              |            | VH         | -0.59            | -0.00032              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.11             | 0.00006               | PASS    |
|           |           |                      |              |            | VN         | 1.02             | 0.00054               | PASS    |
|           |           |                      |              |            | VH         | 1.52             | 0.00081               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.04            | -0.00002              | PASS    |
|           |           |                      |              |            | VN         | -1.73            | -0.00091              | PASS    |
|           |           |                      |              |            | VH         | -2               | -0.00105              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -0.8             | -0.00043              | PASS    |
|           |           |                      |              |            | VN         | -0.93            | -0.0005               | PASS    |
|           |           |                      |              |            | VH         | -0.6             | -0.00032              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.87            | -0.00046              | PASS    |
|           |           |                      |              |            | VN         | -2.75            | -0.00146              | PASS    |
|           |           |                      |              |            | VH         | 0.16             | 0.00009               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.47             | 0.00077               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | 1.79             | 0.00094               | PASS    |
|           |           |                      |              |            | VH         | -0.6             | -0.00032              | 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 |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| BAND2     | LTE/TM1   | 1.4                  | LCH          | VN         | -30       | 4.29             | 0.00232               | PASS    |
|           |           |                      |              |            | -20       | -1.87            | -0.00101              | PASS    |
|           |           |                      |              |            | -10       | 6.19             | 0.00334               | PASS    |
|           |           |                      |              |            | 0         | 1.3              | 0.0007                | PASS    |
|           |           |                      |              |            | 10        | -3               | -0.00162              | PASS    |
|           |           |                      |              |            | 20        | 1.47             | 0.00079               | PASS    |
|           |           |                      |              |            | 30        | 1.49             | 0.00081               | PASS    |
|           |           |                      |              |            | 40        | 5.35             | 0.00289               | PASS    |
|           |           |                      |              |            | 50        | 1.54             | 0.00083               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.24            | -0.00013              | PASS    |
|           |           |                      |              |            | -20       | -2.17            | -0.00115              | PASS    |
|           |           |                      |              |            | -10       | 1.93             | 0.00103               | PASS    |
|           |           |                      |              |            | 0         | -0.59            | -0.00031              | PASS    |
|           |           |                      |              |            | 10        | 2.99             | 0.00159               | PASS    |
|           |           |                      |              |            | 20        | -13.46           | -0.00716              | PASS    |
|           |           |                      |              |            | 30        | -6.45            | -0.00343              | PASS    |
|           |           |                      |              |            | 40        | 7.5              | 0.00399               | PASS    |
|           |           |                      |              |            | 50        | 6.11             | 0.00325               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -1.57            | -0.00082              | PASS    |
|           |           |                      |              |            | -20       | -4.28            | -0.00224              | PASS    |
|           |           |                      |              |            | -10       | 0.01             | 0.00001               | PASS    |
|           |           |                      |              |            | 0         | -4.01            | -0.0021               | PASS    |
|           |           |                      |              |            | 10        | -0.21            | -0.00011              | PASS    |
|           |           |                      |              |            | 20        | 5.32             | 0.00279               | PASS    |
|           |           |                      |              |            | 30        | 3.02             | 0.00158               | PASS    |
|           |           |                      |              |            | 40        | -6.61            | -0.00346              | PASS    |
|           |           |                      |              |            | 50        | -9.08            | -0.00476              | PASS    |
|           |           | 3                    | LCH          | VN         | -30       | -6.04            | -0.00326              | PASS    |
|           |           |                      |              |            | -20       | -2.57            | -0.00139              | PASS    |
|           |           |                      |              |            | -10       | -1.95            | -0.00105              | PASS    |
|           |           |                      |              |            | 0         | -6.29            | -0.0034               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | 0                | 0                     | PASS    |
|           |           |                      |              |            | 20        | -1.24            | -0.00067              | PASS    |
|           |           |                      |              |            | 30        | -2.13            | -0.00115              | PASS    |
|           |           |                      |              |            | 40        | 2.5              | 0.00135               | PASS    |
|           |           |                      |              |            | 50        | -1.72            | -0.00093              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.5             | -0.00027              | PASS    |
|           |           |                      |              |            | -20       | -0.19            | -0.0001               | PASS    |
|           |           |                      |              |            | -10       | 0.66             | 0.00035               | PASS    |
|           |           |                      |              |            | 0         | -1.83            | -0.00097              | PASS    |
|           |           |                      |              |            | 10        | -5.08            | -0.0027               | PASS    |
|           |           |                      |              |            | 20        | -1.66            | -0.00088              | PASS    |
|           |           |                      |              |            | 30        | -4.49            | -0.00239              | PASS    |
|           |           |                      |              |            | 40        | 0.96             | 0.00051               | PASS    |
|           |           |                      |              |            | 50        | -1.16            | -0.00062              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 4.33             | 0.00227               | PASS    |
|           |           |                      |              |            | -20       | 0.27             | 0.00014               | PASS    |
|           |           |                      |              |            | -10       | -6.11            | -0.0032               | PASS    |
|           |           |                      |              |            | 0         | -11.93           | -0.00625              | PASS    |
|           |           |                      |              |            | 10        | -1.87            | -0.00098              | PASS    |
|           |           |                      |              |            | 20        | -6.45            | -0.00338              | PASS    |
|           |           |                      |              |            | 30        | -6.22            | -0.00326              | PASS    |
|           |           |                      |              |            | 40        | -2.5             | -0.00131              | PASS    |
|           |           |                      |              |            | 50        | -1.27            | -0.00067              | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | 0                | 0                     | PASS    |
|           |           |                      |              |            | -20       | 2.29             | 0.00124               | PASS    |
|           |           |                      |              |            | -10       | -2.9             | -0.00157              | PASS    |
|           |           |                      |              |            | 0         | 0.46             | 0.00025               | PASS    |
|           |           |                      |              |            | 10        | -1.07            | -0.00058              | PASS    |
|           |           |                      |              |            | 20        | -0.24            | -0.00013              | PASS    |
|           |           |                      |              |            | 30        | 0.86             | 0.00046               | PASS    |
|           |           |                      |              |            | 40        | -4.22            | -0.00228              | PASS    |
|           |           |                      |              |            | 50        | -2.6             | -0.0014               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.86            | -0.00046              | PASS    |
|           |           |                      |              |            | -20       | -1.77            | -0.00094              | PASS    |
|           |           |                      |              |            | -10       | -0.09            | -0.00005              | PASS    |
|           |           |                      |              |            | 0         | -0.62            | -0.00033              | PASS    |
|           |           |                      |              |            | 10        | -1.03            | -0.00055              | PASS    |
|           |           |                      |              |            | 20        | -0.62            | -0.00033              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 30        | -0.84            | -0.00045              | PASS    |
|           |           |                      |              |            | 40        | -4.99            | -0.00265              | PASS    |
|           |           |                      |              |            | 50        | 0.06             | 0.00003               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -0.89            | -0.00047              | PASS    |
|           |           |                      |              |            | -20       | -3.32            | -0.00174              | PASS    |
|           |           |                      |              |            | -10       | 0.14             | 0.00007               | PASS    |
|           |           |                      |              |            | 0         | 0.79             | 0.00041               | PASS    |
|           |           |                      |              |            | 10        | -2.73            | -0.00143              | PASS    |
|           |           |                      |              |            | 20        | -5.18            | -0.00272              | PASS    |
|           |           |                      |              |            | 30        | -4.38            | -0.0023               | PASS    |
|           |           |                      |              |            | 40        | -1.79            | -0.00094              | PASS    |
|           |           |                      |              |            | 50        | 1.1              | 0.00058               | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -2.59            | -0.0014               | PASS    |
|           |           |                      |              |            | -20       | -1.07            | -0.00058              | PASS    |
|           |           |                      |              |            | -10       | -0.33            | -0.00018              | PASS    |
|           |           |                      |              |            | 0         | -5.41            | -0.00292              | PASS    |
|           |           |                      |              |            | 10        | 0.72             | 0.00039               | PASS    |
|           |           |                      |              |            | 20        | 0.23             | 0.00012               | PASS    |
|           |           |                      |              |            | 30        | -0.69            | -0.00037              | PASS    |
|           |           |                      |              |            | 40        | -2.36            | -0.00127              | PASS    |
|           |           |                      |              |            | 50        | -0.83            | -0.00045              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 0.51             | 0.00027               | PASS    |
|           |           |                      |              |            | -20       | 2.57             | 0.00137               | PASS    |
|           |           |                      |              |            | -10       | 0.37             | 0.0002                | PASS    |
|           |           |                      |              |            | 0         | -0.9             | -0.00048              | PASS    |
|           |           |                      |              |            | 10        | -1.06            | -0.00056              | PASS    |
|           |           |                      |              |            | 20        | 1.39             | 0.00074               | PASS    |
|           |           |                      |              |            | 30        | 0.73             | 0.00039               | PASS    |
|           |           |                      |              |            | 40        | 1.19             | 0.00063               | PASS    |
|           |           |                      |              |            | 50        | -0.2             | -0.00011              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 1.02             | 0.00054               | PASS    |
|           |           |                      |              |            | -20       | 0.1              | 0.00005               | PASS    |
|           |           |                      |              |            | -10       | -0.84            | -0.00044              | PASS    |
|           |           |                      |              |            | 0         | 0.93             | 0.00049               | PASS    |
|           |           |                      |              |            | 10        | -3.98            | -0.00209              | PASS    |
|           |           |                      |              |            | 20        | -0.46            | -0.00024              | PASS    |
|           |           |                      |              |            | 30        | -0.34            | -0.00018              | PASS    |
|           |           |                      |              |            | 40        | -1.06            | -0.00056              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           | 15                   | LCH          | VN         | 50        | -0.33            | -0.00017              | PASS    |
|           |           |                      |              |            | -30       | -0.6             | -0.00032              | PASS    |
|           |           |                      |              |            | -20       | -0.44            | -0.00024              | PASS    |
|           |           |                      |              |            | -10       | -0.37            | -0.0002               | PASS    |
|           |           |                      |              |            | 0         | 0.47             | 0.00025               | PASS    |
|           |           |                      |              |            | 10        | -1.46            | -0.00079              | PASS    |
|           |           |                      |              |            | 20        | -1.02            | -0.00055              | PASS    |
|           |           |                      |              |            | 30        | -2.66            | -0.00143              | PASS    |
|           |           |                      |              |            | 40        | -1.85            | -0.001                | PASS    |
|           |           |                      |              |            | 50        | -0.49            | -0.00026              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -1.52            | -0.00081              | PASS    |
|           |           |                      |              |            | -20       | -2.66            | -0.00141              | PASS    |
|           |           |                      |              |            | -10       | -0.03            | -0.00002              | PASS    |
|           |           |                      |              |            | 0         | -1.69            | -0.0009               | PASS    |
|           |           |                      |              |            | 10        | -1.57            | -0.00084              | PASS    |
|           |           |                      |              |            | 20        | 0.66             | 0.00035               | PASS    |
|           |           |                      |              |            | 30        | -1.85            | -0.00098              | PASS    |
|           |           |                      |              |            | 40        | 0.37             | 0.0002                | PASS    |
|           |           |                      |              |            | 50        | -2.2             | -0.00117              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -2.82            | -0.00148              | PASS    |
|           |           |                      |              |            | -20       | 0.33             | 0.00017               | PASS    |
|           |           |                      |              |            | -10       | -1.26            | -0.00066              | PASS    |
|           |           |                      |              |            | 0         | -2.6             | -0.00137              | PASS    |
|           |           |                      |              |            | 10        | -0.31            | -0.00016              | PASS    |
|           |           |                      |              |            | 20        | -0.84            | -0.00044              | PASS    |
|           |           |                      |              |            | 30        | -3.91            | -0.00206              | PASS    |
|           |           |                      |              |            | 40        | 0.47             | 0.00025               | PASS    |
|           |           |                      |              |            | 50        | -0.84            | -0.00044              | PASS    |
|           |           | 20                   | LCH          | VN         | -30       | 0.79             | 0.00042               | PASS    |
|           |           |                      |              |            | -20       | 2.27             | 0.00122               | PASS    |
|           |           |                      |              |            | -10       | 1.09             | 0.00059               | PASS    |
|           |           |                      |              |            | 0         | 1.53             | 0.00082               | PASS    |
|           |           |                      |              |            | 10        | 0.43             | 0.00023               | PASS    |
|           |           |                      |              |            | 20        | 1.04             | 0.00056               | PASS    |
|           |           |                      |              |            | 30        | 0.72             | 0.00039               | PASS    |
|           |           |                      |              |            | 40        | 3.19             | 0.00172               | PASS    |
|           |           |                      |              |            | 50        | -1.39            | -0.00075              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.86            | -0.00046              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20       | 0.31             | 0.00016               | PASS    |
|           |           |                      |              |            | -10       | -1.65            | -0.00088              | PASS    |
|           |           |                      |              |            | 0         | 0.06             | 0.00003               | PASS    |
|           |           |                      |              |            | 10        | -0.54            | -0.00029              | PASS    |
|           |           |                      |              |            | 20        | -1.6             | -0.00085              | PASS    |
|           |           |                      |              |            | 30        | -1.85            | -0.00098              | PASS    |
|           |           |                      |              |            | 40        | -1.99            | -0.00106              | PASS    |
|           |           |                      |              |            | 50        | -0.84            | -0.00045              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 2.02             | 0.00106               | PASS    |
|           |           |                      |              |            | -20       | -1.26            | -0.00066              | PASS    |
|           |           |                      |              |            | -10       | 1.13             | 0.00059               | PASS    |
|           |           |                      |              |            | 0         | 2.27             | 0.00119               | PASS    |
|           |           |                      |              |            | 10        | 0.6              | 0.00032               | PASS    |
|           |           |                      |              |            | 20        | 0.44             | 0.00023               | PASS    |
|           |           |                      |              |            | 30        | -0.13            | -0.00007              | PASS    |
|           |           |                      |              |            | 40        | 0.59             | 0.00031               | PASS    |
|           |           |                      |              |            | 50        | 0.3              | 0.00016               | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30       | -5.62            | -0.00304              | PASS    |
|           |           |                      |              |            | -20       | 1.54             | 0.00083               | PASS    |
|           |           |                      |              |            | -10       | -4.88            | -0.00264              | PASS    |
|           |           |                      |              |            | 0         | -0.19            | -0.0001               | PASS    |
|           |           |                      |              |            | 10        | -2.62            | -0.00142              | PASS    |
|           |           |                      |              |            | 20        | -0.51            | -0.00028              | PASS    |
|           |           |                      |              |            | 30        | 1.93             | 0.00104               | PASS    |
|           |           |                      |              |            | 40        | -7.4             | -0.004                | PASS    |
|           |           |                      |              |            | 50        | 4.06             | 0.00219               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -8.58            | -0.00456              | PASS    |
|           |           |                      |              |            | -20       | 3.22             | 0.00171               | PASS    |
|           |           |                      |              |            | -10       | 18.61            | 0.0099                | PASS    |
|           |           |                      |              |            | 0         | 10.44            | 0.00555               | PASS    |
|           |           |                      |              |            | 10        | 1.69             | 0.0009                | PASS    |
|           |           |                      |              |            | 20        | 6.35             | 0.00338               | PASS    |
|           |           |                      |              |            | 30        | -3.42            | -0.00182              | PASS    |
|           |           |                      |              |            | 40        | -3.72            | -0.00198              | PASS    |
|           |           |                      |              |            | 50        | 4.88             | 0.0026                | PASS    |
|           |           |                      | HCH          | VN         | -30       | 1.73             | 0.00091               | PASS    |
|           |           |                      |              |            | -20       | -2.23            | -0.00117              | PASS    |
|           |           |                      |              |            | -10       | 4.05             | 0.00212               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0         | 1.1              | 0.00058               | PASS    |
|           |           |                      |              |            | 10        | -2.22            | -0.00116              | PASS    |
|           |           |                      |              |            | 20        | -0.26            | -0.00014              | PASS    |
|           |           |                      |              |            | 30        | -1.79            | -0.00094              | PASS    |
|           |           |                      |              |            | 40        | -3.73            | -0.00195              | PASS    |
|           |           |                      |              |            | 50        | -5.97            | -0.00313              | PASS    |
|           |           |                      | LCH          | VN         | -30       | -0.39            | -0.00021              | PASS    |
|           |           |                      |              |            | -20       | 0.2              | 0.00011               | PASS    |
|           |           |                      |              |            | -10       | -8.74            | -0.00472              | PASS    |
|           |           |                      |              |            | 0         | 0.29             | 0.00016               | PASS    |
|           |           |                      |              |            | 10        | -9.68            | -0.00523              | PASS    |
|           |           |                      |              |            | 20        | -1.73            | -0.00093              | PASS    |
|           |           |                      |              |            | 30        | -4.66            | -0.00252              | PASS    |
|           |           |                      |              |            | 40        | -4.36            | -0.00235              | PASS    |
|           |           |                      |              |            | 50        | -0.07            | -0.00004              | PASS    |
|           |           | 3                    | MCH          | VN         | -30       | -1.47            | -0.00078              | PASS    |
|           |           |                      |              |            | -20       | -8.23            | -0.00438              | PASS    |
|           |           |                      |              |            | -10       | 3.65             | 0.00194               | PASS    |
|           |           |                      |              |            | 0         | 1.92             | 0.00102               | PASS    |
|           |           |                      |              |            | 10        | 2.35             | 0.00125               | PASS    |
|           |           |                      |              |            | 20        | 0.76             | 0.0004                | PASS    |
|           |           |                      |              |            | 30        | -1.99            | -0.00106              | PASS    |
|           |           |                      |              |            | 40        | -7.9             | -0.0042               | PASS    |
|           |           |                      |              |            | 50        | -1.06            | -0.00056              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -2.72            | -0.00143              | PASS    |
|           |           |                      |              |            | -20       | -6.49            | -0.0034               | PASS    |
|           |           |                      |              |            | -10       | -2.2             | -0.00115              | PASS    |
|           |           |                      |              |            | 0         | -0.2             | -0.0001               | PASS    |
|           |           |                      |              |            | 10        | -7.52            | -0.00394              | PASS    |
|           |           |                      |              |            | 20        | -0.46            | -0.00024              | PASS    |
|           |           |                      |              |            | 30        | -4.75            | -0.00249              | PASS    |
|           |           |                      |              |            | 40        | -10.51           | -0.00551              | PASS    |
|           |           |                      |              |            | 50        | -2.03            | -0.00106              | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | 2.45             | 0.00132               | PASS    |
|           |           |                      |              |            | -20       | -3.69            | -0.00199              | PASS    |
|           |           |                      |              |            | -10       | 3.81             | 0.00206               | PASS    |
|           |           |                      |              |            | 0         | 1                | 0.00054               | PASS    |
|           |           |                      |              |            | 10        | -6.47            | -0.00349              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20        | -0.16            | -0.00009              | PASS    |
|           |           |                      |              |            | 30        | -1.54            | -0.00083              | PASS    |
|           |           |                      |              |            | 40        | 0.53             | 0.00029               | PASS    |
|           |           |                      |              |            | 50        | -1               | -0.00054              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 0.23             | 0.00012               | PASS    |
|           |           |                      |              |            | -20       | -1.9             | -0.00101              | PASS    |
|           |           |                      |              |            | -10       | -1.07            | -0.00057              | PASS    |
|           |           |                      |              |            | 0         | -0.86            | -0.00046              | PASS    |
|           |           |                      |              |            | 10        | -3.03            | -0.00161              | PASS    |
|           |           |                      |              |            | 20        | -4.08            | -0.00217              | PASS    |
|           |           |                      |              |            | 30        | -0.5             | -0.00027              | PASS    |
|           |           |                      |              |            | 40        | -0.8             | -0.00043              | PASS    |
|           |           |                      |              |            | 50        | -0.09            | -0.00005              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -3.59            | -0.00188              | PASS    |
|           |           |                      |              |            | -20       | -1.43            | -0.00075              | PASS    |
|           |           |                      |              |            | -10       | -3.81            | -0.002                | PASS    |
|           |           |                      |              |            | 0         | -2.1             | -0.0011               | PASS    |
|           |           |                      |              |            | 10        | -1.83            | -0.00096              | PASS    |
|           |           |                      |              |            | 20        | 1.82             | 0.00095               | PASS    |
|           |           |                      |              |            | 30        | -0.5             | -0.00026              | PASS    |
|           |           |                      |              |            | 40        | -3.75            | -0.00197              | PASS    |
|           |           |                      |              |            | 50        | -3.56            | -0.00187              | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | 4.42             | 0.00238               | PASS    |
|           |           |                      |              |            | -20       | 0.94             | 0.00051               | PASS    |
|           |           |                      |              |            | -10       | -2.49            | -0.00134              | PASS    |
|           |           |                      |              |            | 0         | 0.09             | 0.00005               | PASS    |
|           |           |                      |              |            | 10        | 0.69             | 0.00037               | PASS    |
|           |           |                      |              |            | 20        | -3.3             | -0.00178              | PASS    |
|           |           |                      |              |            | 30        | 0.17             | 0.00009               | PASS    |
|           |           |                      |              |            | 40        | -2.56            | -0.00138              | PASS    |
|           |           |                      |              |            | 50        | -0.09            | -0.00005              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -1.19            | -0.00063              | PASS    |
|           |           |                      |              |            | -20       | -1.04            | -0.00055              | PASS    |
|           |           |                      |              |            | -10       | -0.46            | -0.00024              | PASS    |
|           |           |                      |              |            | 0         | 0.31             | 0.00016               | PASS    |
|           |           |                      |              |            | 10        | -0.62            | -0.00033              | PASS    |
|           |           |                      |              |            | 20        | 1.13             | 0.0006                | PASS    |
|           |           |                      |              |            | 30        | 2.68             | 0.00143               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | 1.36             | 0.00072               | PASS    |
|           |           |                      |              |            | 50        | 3.5              | 0.00186               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -0.69            | -0.00036              | PASS    |
|           |           |                      |              |            | -20       | -1.27            | -0.00067              | PASS    |
|           |           |                      |              |            | -10       | -0.7             | -0.00037              | PASS    |
|           |           |                      |              |            | 0         | -0.63            | -0.00033              | PASS    |
|           |           |                      |              |            | 10        | -0.87            | -0.00046              | PASS    |
|           |           |                      |              |            | 20        | -0.82            | -0.00043              | PASS    |
|           |           |                      |              |            | 30        | 1.06             | 0.00056               | PASS    |
|           |           |                      |              |            | 40        | 0.47             | 0.00025               | PASS    |
|           |           |                      |              |            | 50        | 0.31             | 0.00016               | PASS    |
|           |           | 15                   | LCH          | VN         | -30       | -1.34            | -0.00072              | PASS    |
|           |           |                      |              |            | -20       | -0.87            | -0.00047              | PASS    |
|           |           |                      |              |            | -10       | 0.9              | 0.00048               | PASS    |
|           |           |                      |              |            | 0         | -0.86            | -0.00046              | PASS    |
|           |           |                      |              |            | 10        | -1.44            | -0.00078              | PASS    |
|           |           |                      |              |            | 20        | -1.29            | -0.00069              | PASS    |
|           |           |                      |              |            | 30        | -0.21            | -0.00011              | PASS    |
|           |           |                      |              |            | 40        | -1.65            | -0.00089              | PASS    |
|           |           |                      |              |            | 50        | -0.17            | -0.00009              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.37            | -0.0002               | PASS    |
|           |           |                      |              |            | -20       | 0.34             | 0.00018               | PASS    |
|           |           |                      |              |            | -10       | -0.43            | -0.00023              | PASS    |
|           |           |                      |              |            | 0         | 0.16             | 0.00009               | PASS    |
|           |           |                      |              |            | 10        | -2.39            | -0.00127              | PASS    |
|           |           |                      |              |            | 20        | -0.24            | -0.00013              | PASS    |
|           |           |                      |              |            | 30        | -0.97            | -0.00052              | PASS    |
|           |           |                      |              |            | 40        | 1.93             | 0.00103               | PASS    |
|           |           |                      |              |            | 50        | -1.67            | -0.00089              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -1.7             | -0.00089              | PASS    |
|           |           |                      |              |            | -20       | -2.62            | -0.00138              | PASS    |
|           |           |                      |              |            | -10       | -2.76            | -0.00145              | PASS    |
|           |           |                      |              |            | 0         | -2.5             | -0.00131              | PASS    |
|           |           |                      |              |            | 10        | -2.53            | -0.00133              | PASS    |
|           |           |                      |              |            | 20        | -3.75            | -0.00197              | PASS    |
|           |           |                      |              |            | 30        | -0.97            | -0.00051              | PASS    |
|           |           |                      |              |            | 40        | 1.63             | 0.00086               | PASS    |
|           |           |                      |              |            | 50        | -3.85            | -0.00202              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           | 20                   | LCH          | VN         | -30       | 2.73             | 0.00147               | PASS    |
|           |           |                      |              |            | -20       | 2.42             | 0.0013                | PASS    |
|           |           |                      |              |            | -10       | 2.26             | 0.00122               | PASS    |
|           |           |                      |              |            | 0         | 7.68             | 0.00413               | PASS    |
|           |           |                      |              |            | 10        | 1.33             | 0.00072               | PASS    |
|           |           |                      |              |            | 20        | 2.69             | 0.00145               | PASS    |
|           |           |                      |              |            | 30        | 6.74             | 0.00362               | PASS    |
|           |           |                      |              |            | 40        | -0.1             | -0.00005              | PASS    |
|           |           |                      |              |            | 50        | -1.07            | -0.00058              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 4.63             | 0.00246               | PASS    |
|           |           |                      |              |            | -20       | 0.73             | 0.00039               | PASS    |
|           |           |                      |              |            | -10       | 0.99             | 0.00053               | PASS    |
|           |           |                      |              |            | 0         | 2.98             | 0.00159               | PASS    |
|           |           |                      |              |            | 10        | 3.59             | 0.00191               | PASS    |
|           |           |                      |              |            | 20        | 4.94             | 0.00263               | PASS    |
|           |           |                      |              |            | 30        | 4.05             | 0.00215               | PASS    |
|           |           |                      |              |            | 40        | 3.06             | 0.00163               | PASS    |
|           |           |                      |              |            | 50        | 3.19             | 0.0017                | PASS    |
|           |           |                      | HCH          | VN         | -30       | -2.56            | -0.00135              | PASS    |
|           |           |                      |              |            | -20       | -0.36            | -0.00019              | PASS    |
|           |           |                      |              |            | -10       | -1.59            | -0.00084              | PASS    |
|           |           |                      |              |            | 0         | -0.36            | -0.00019              | PASS    |
|           |           |                      |              |            | 10        | 0.86             | 0.00045               | PASS    |
|           |           |                      |              |            | 20        | 0.16             | 0.00008               | PASS    |
|           |           |                      |              |            | 30        | 0.1              | 0.00005               | PASS    |
|           |           |                      |              |            | 40        | 0.31             | 0.00016               | PASS    |
|           |           |                      |              |            | 50        | 0.77             | 0.00041               | PASS    |

END