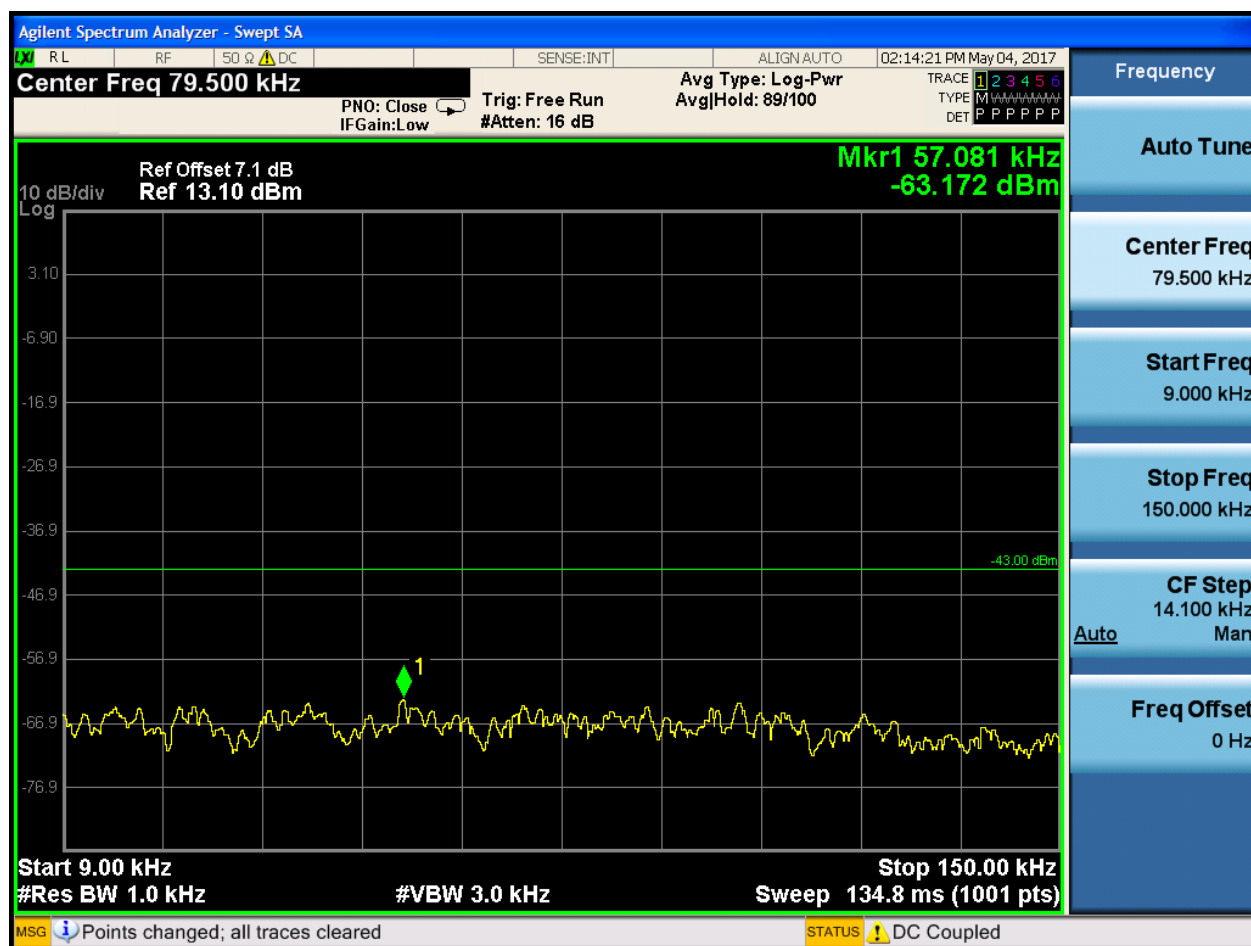
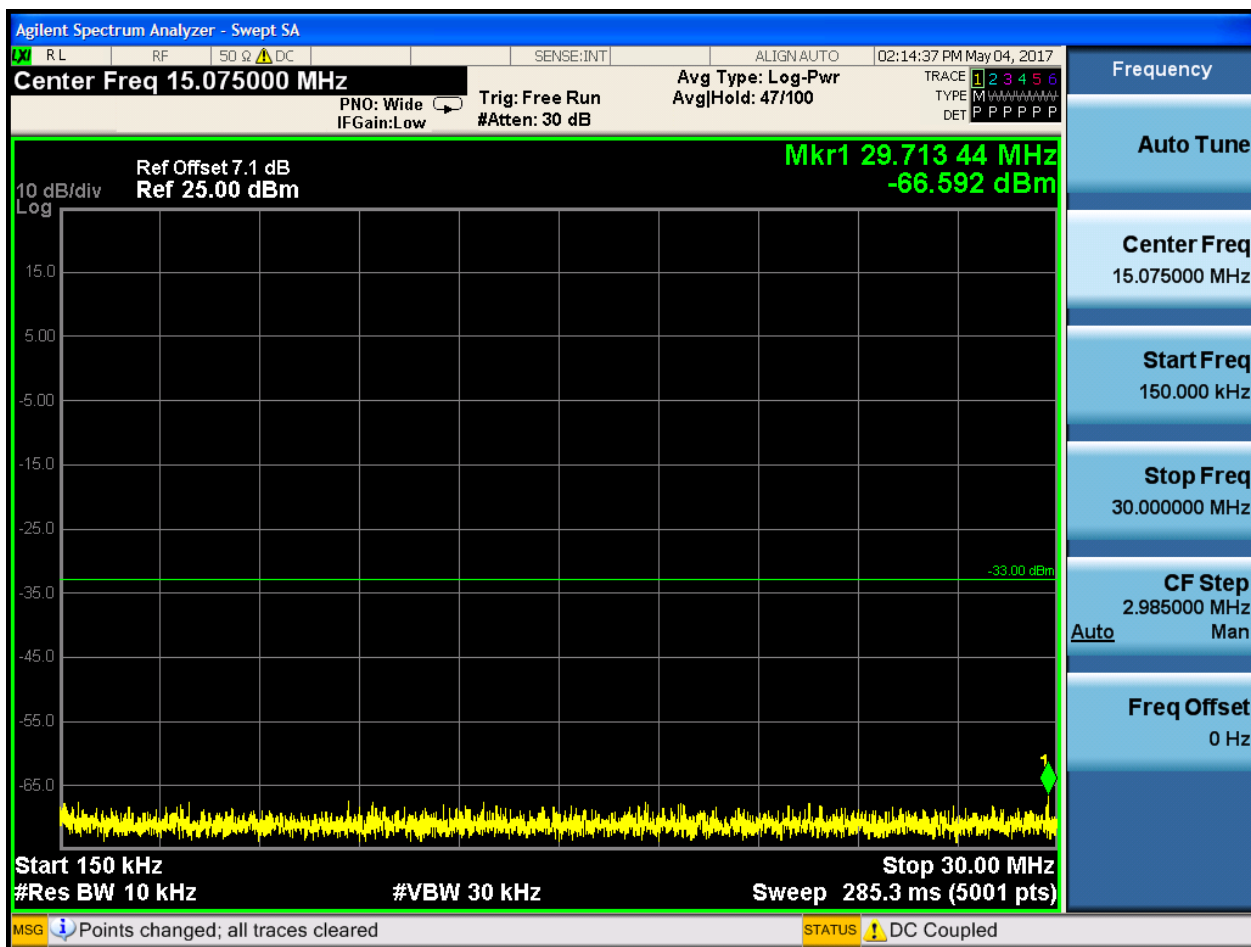
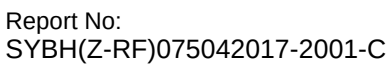
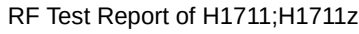


#### 6.1.1.2.3.2 Test Channel = MCH

#### 6.1.1.2.3.2.1 Test RB = RB1#0



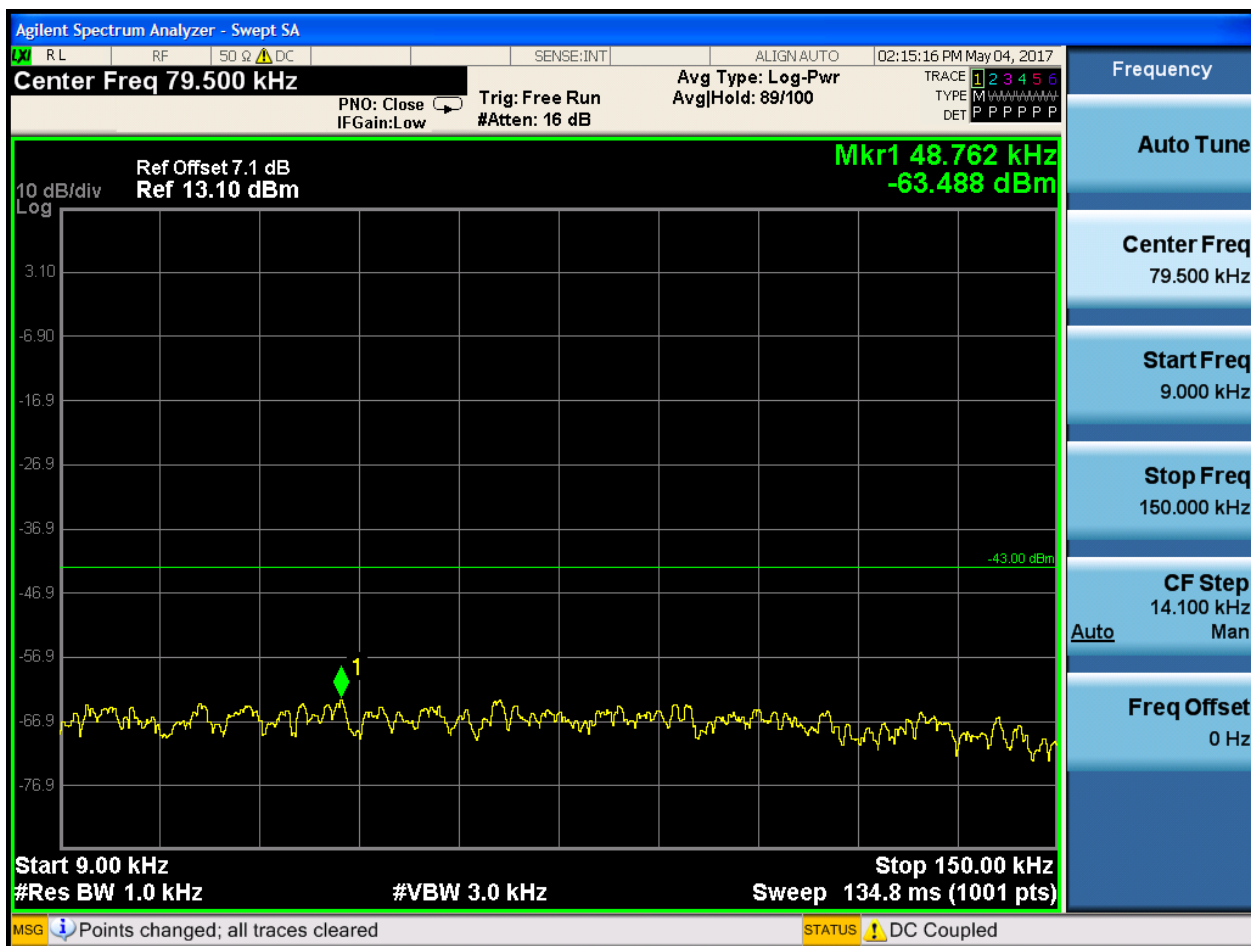


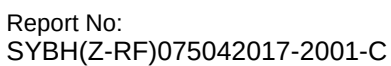
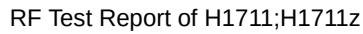


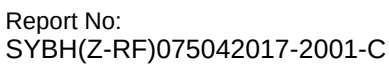
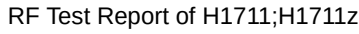


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0





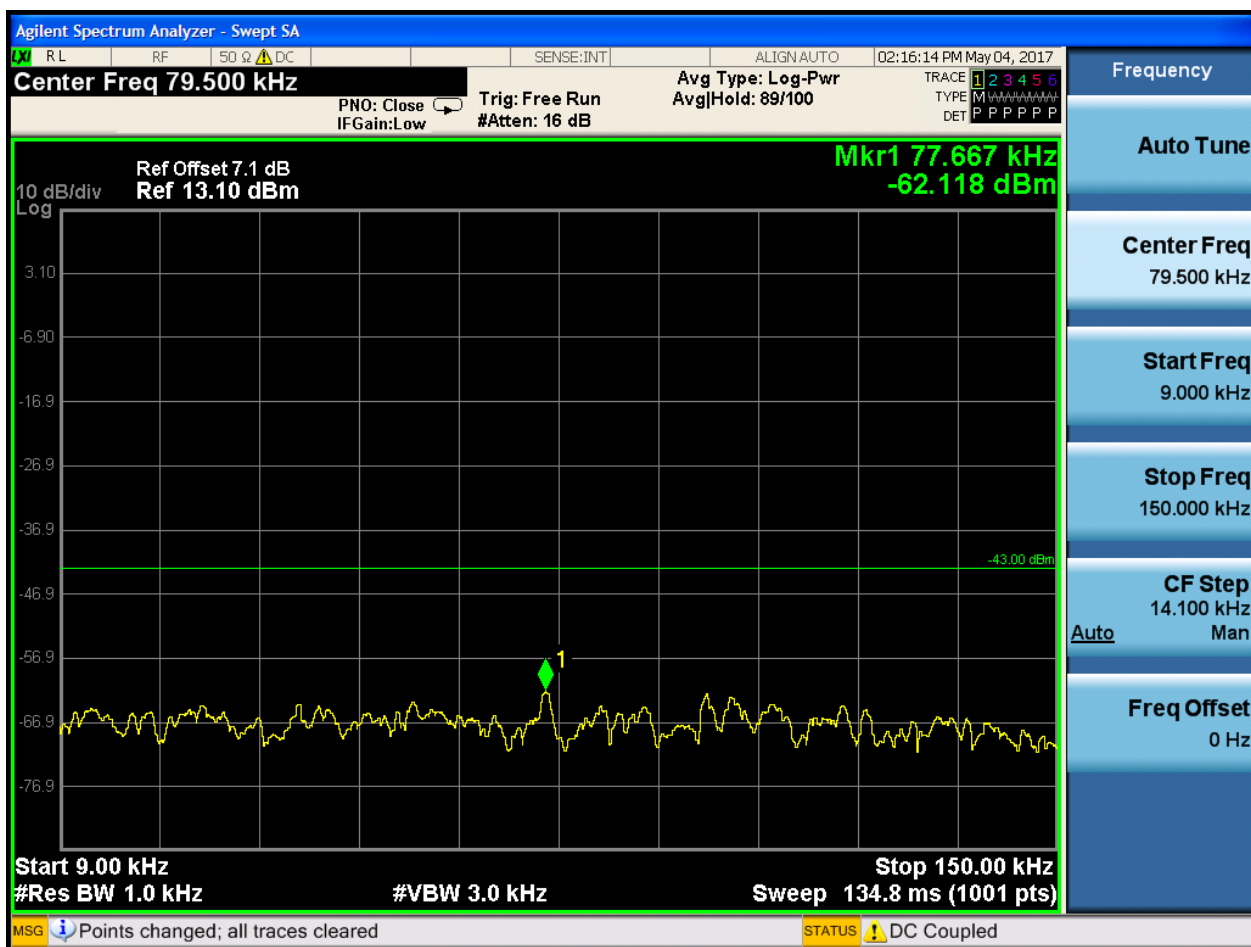


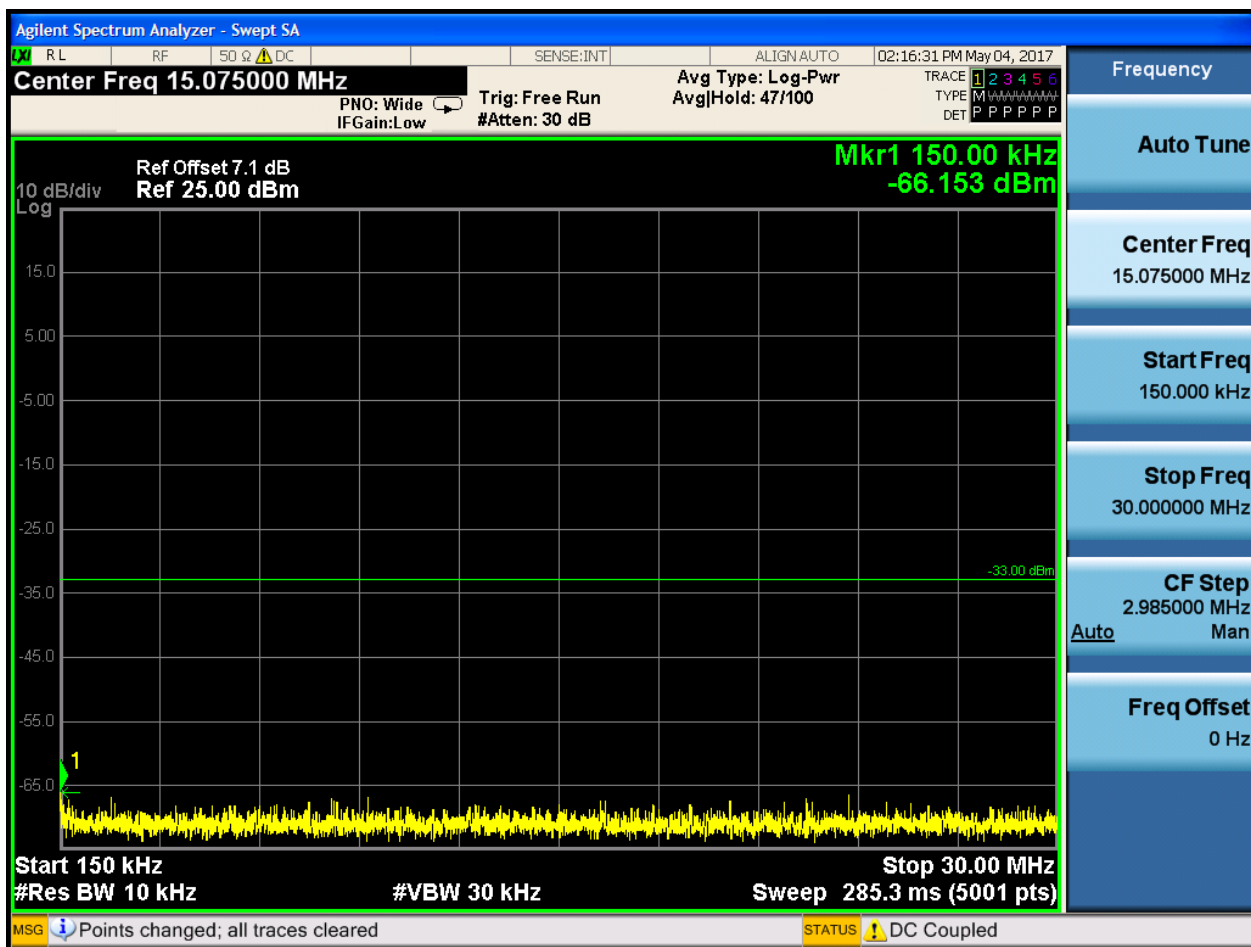


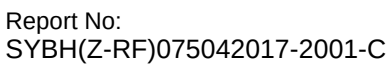
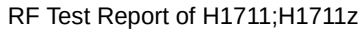
## 6.1.1.2.4 Test Bandwidth = 10

## 6.1.1.2.4.1 Test Channel = LCH

## 6.1.1.2.4.1.1 Test RB = RB1#0



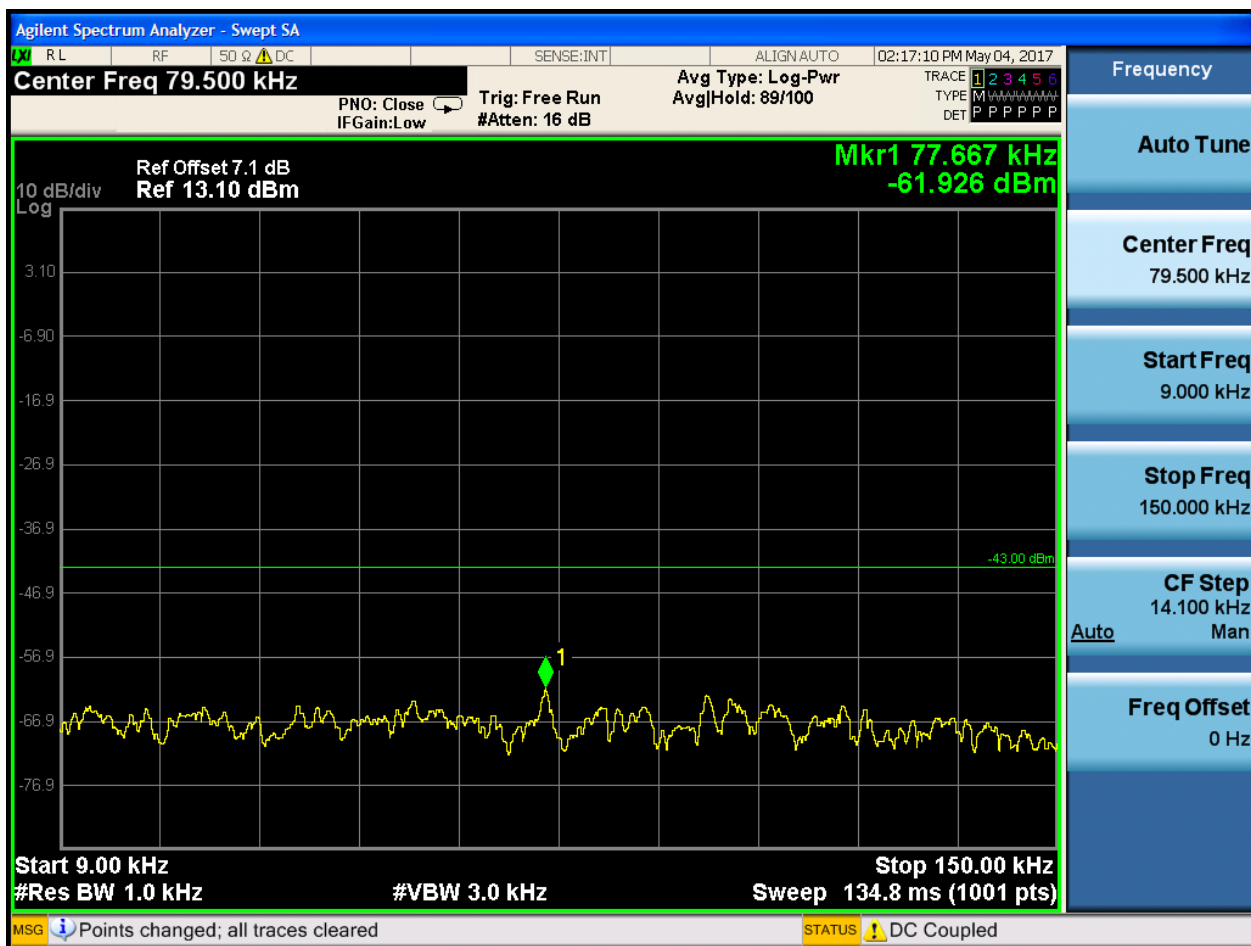


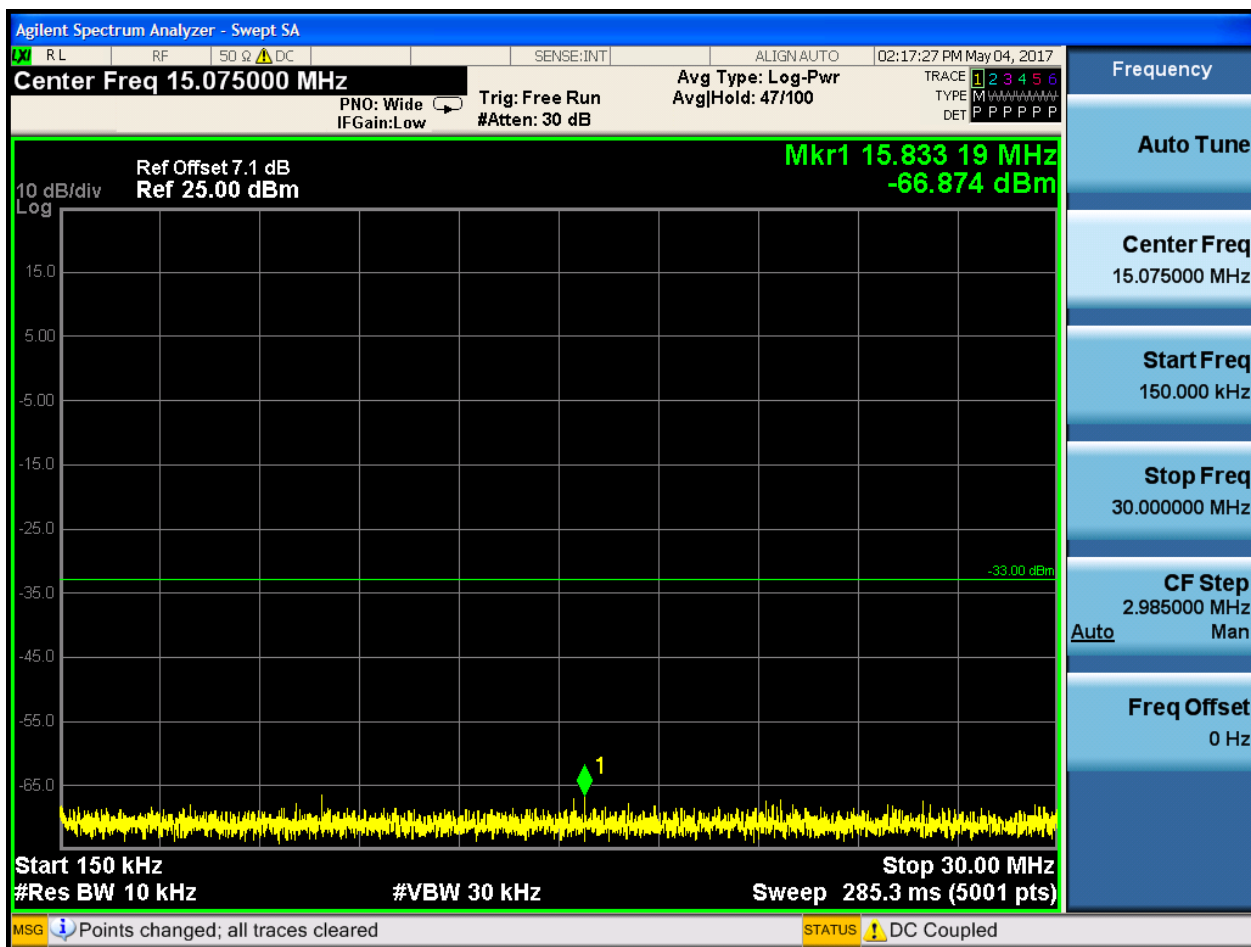


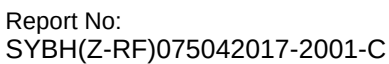
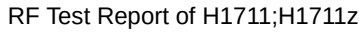


## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0

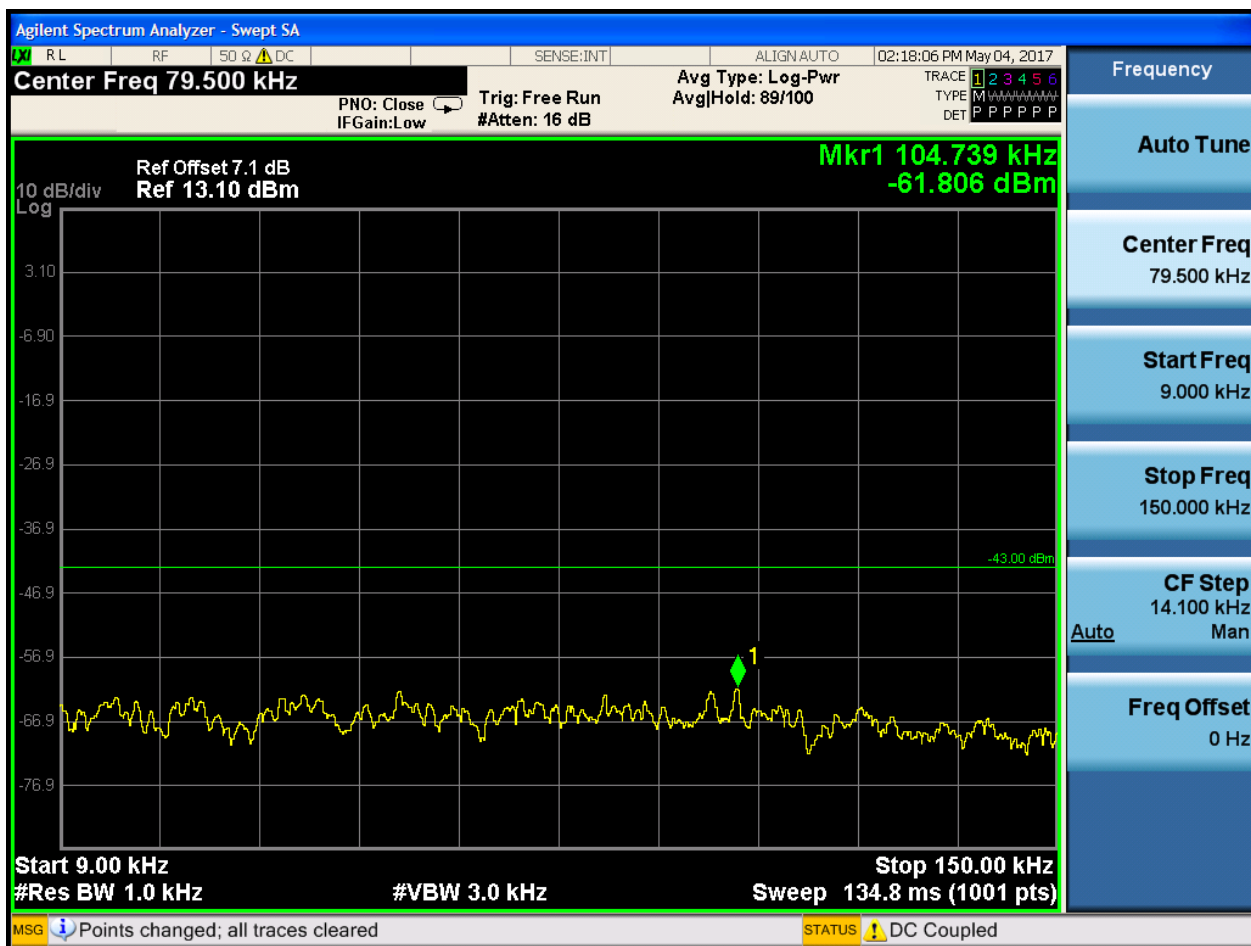


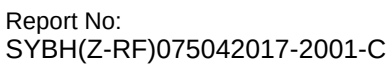
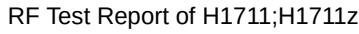


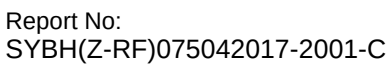
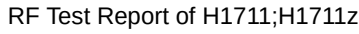


### 6.1.1.2.4.3 Test Channel = HCH

#### 6.1.1.2.4.3.1 Test RB = RB1#0





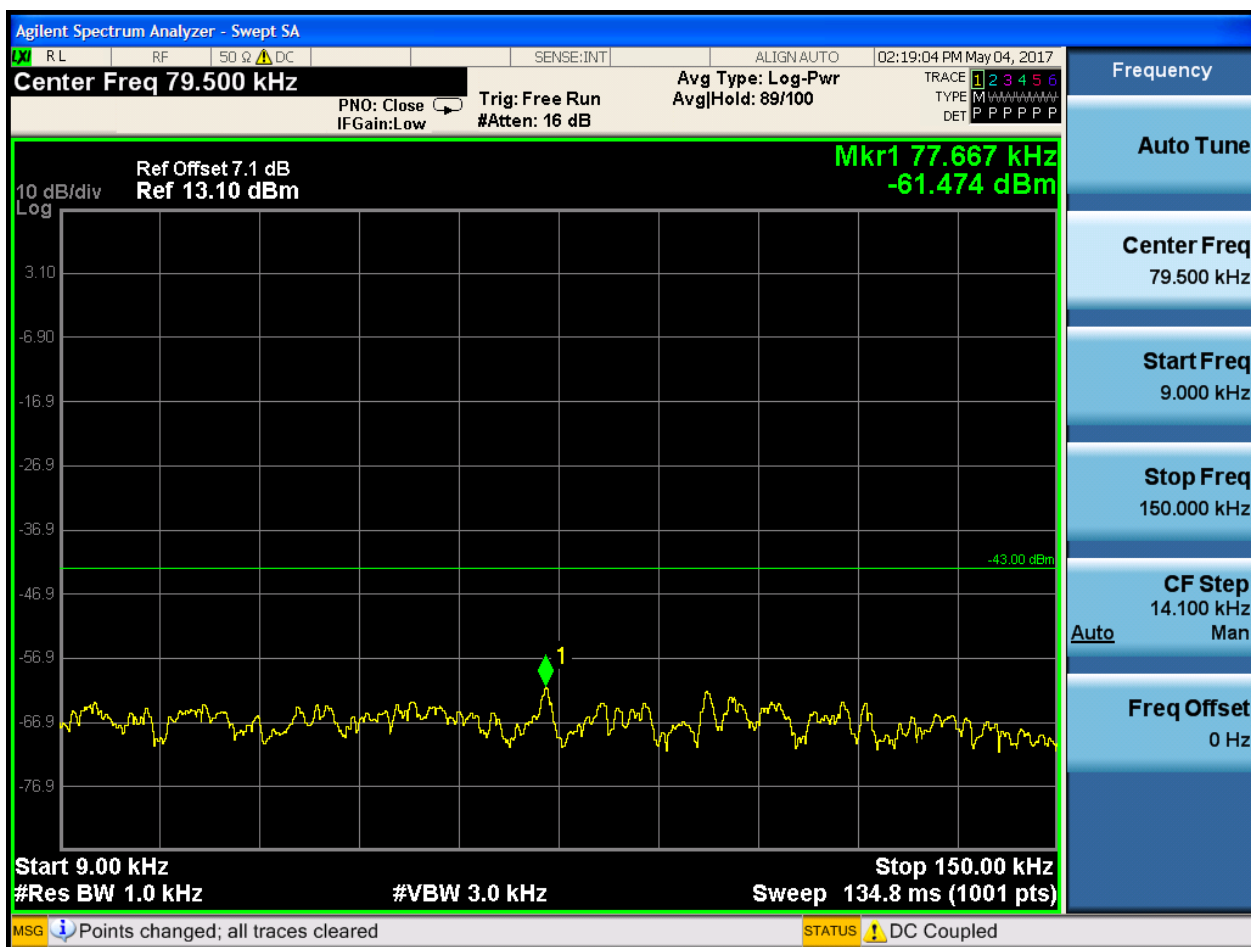


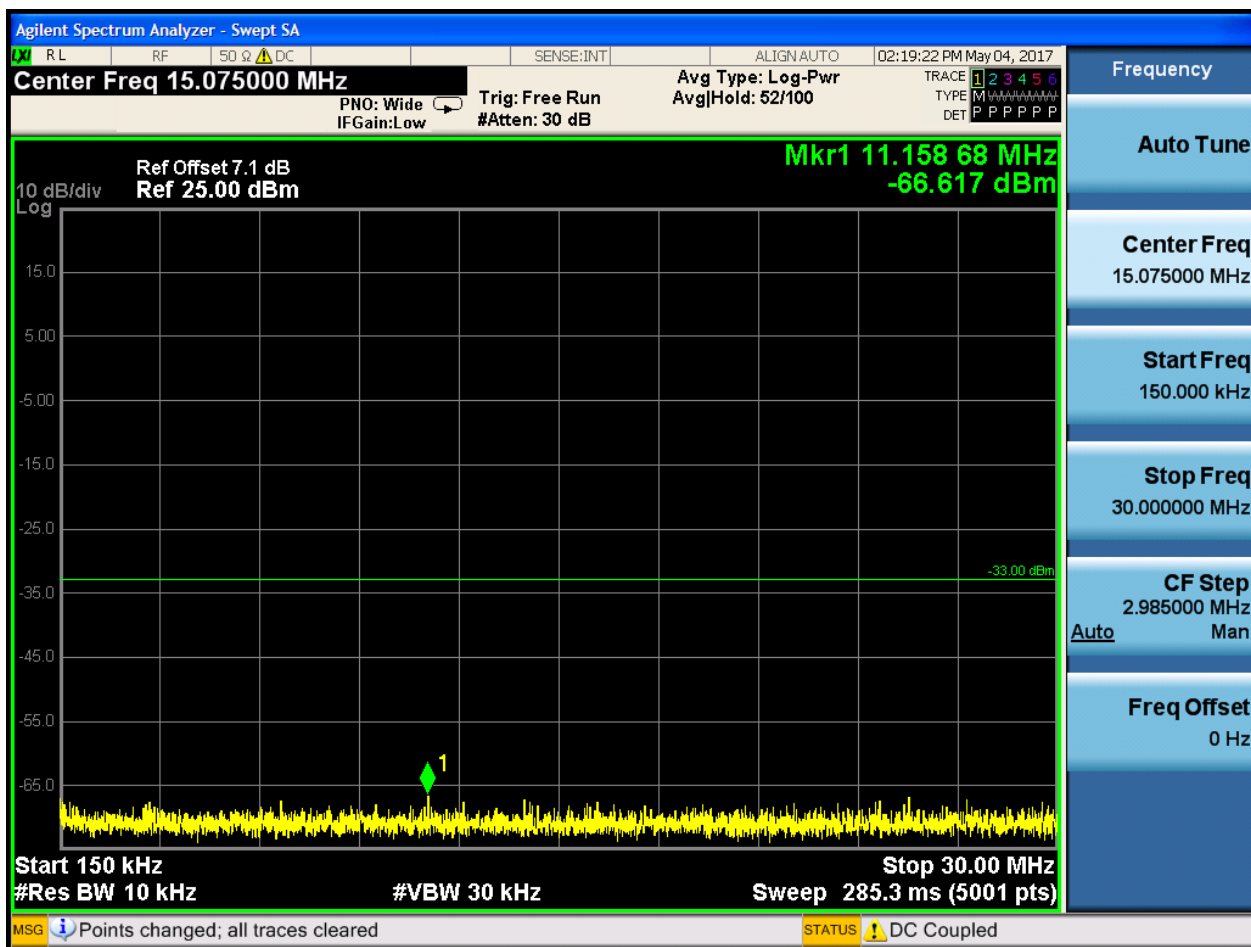


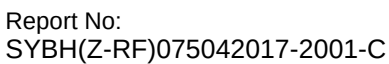
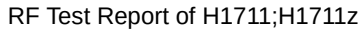
## 6.1.1.2.5 Test Bandwidth = 15

## 6.1.1.2.5.1 Test Channel = LCH

## 6.1.1.2.5.1.1 Test RB = RB1#0

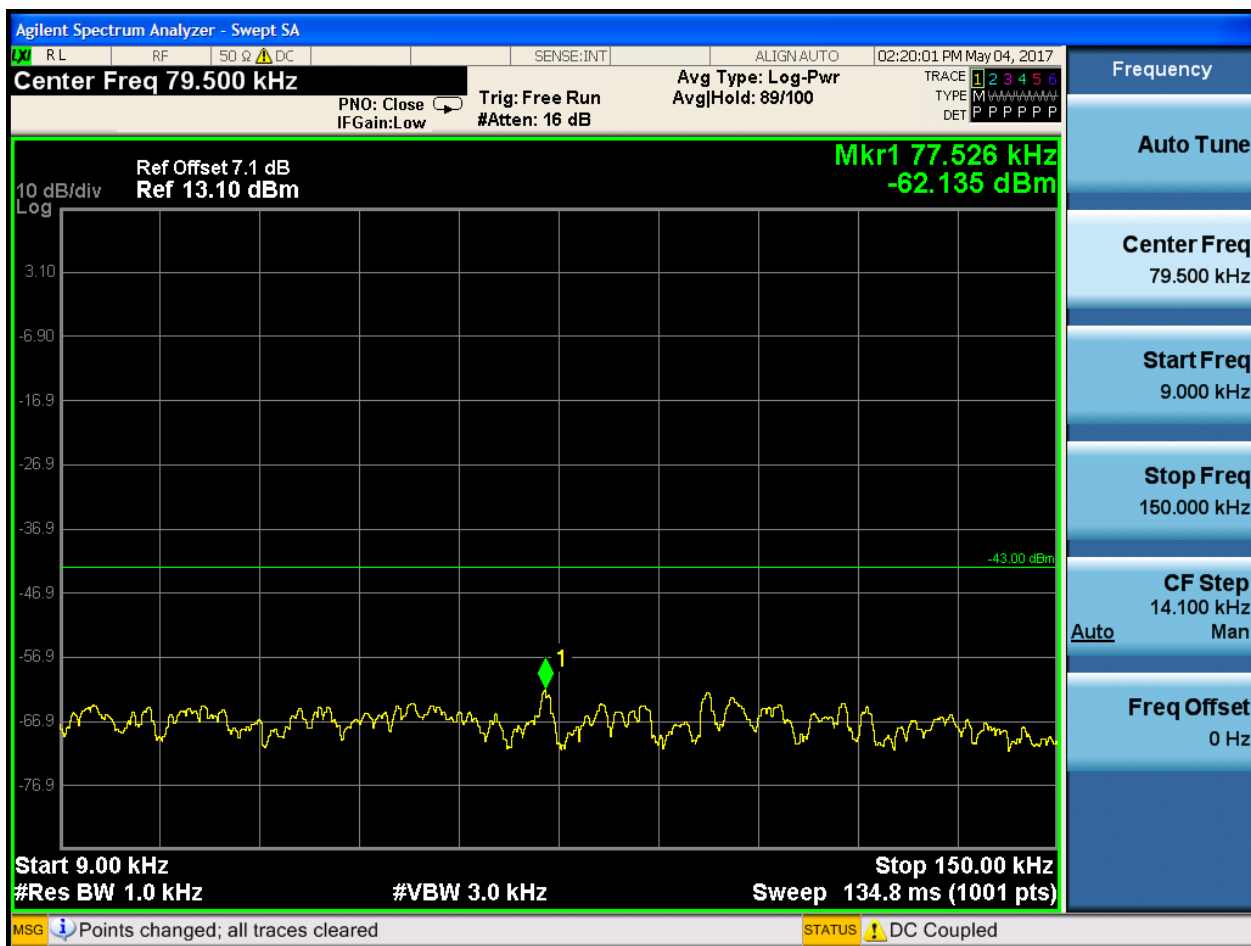


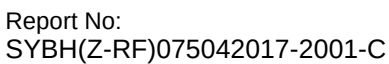
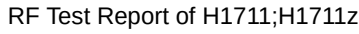


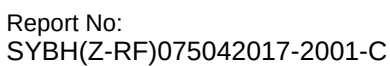
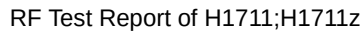


### 6.1.1.2.5.2 Test Channel = MCH

#### 6.1.1.2.5.2.1 Test RB = RB1#0

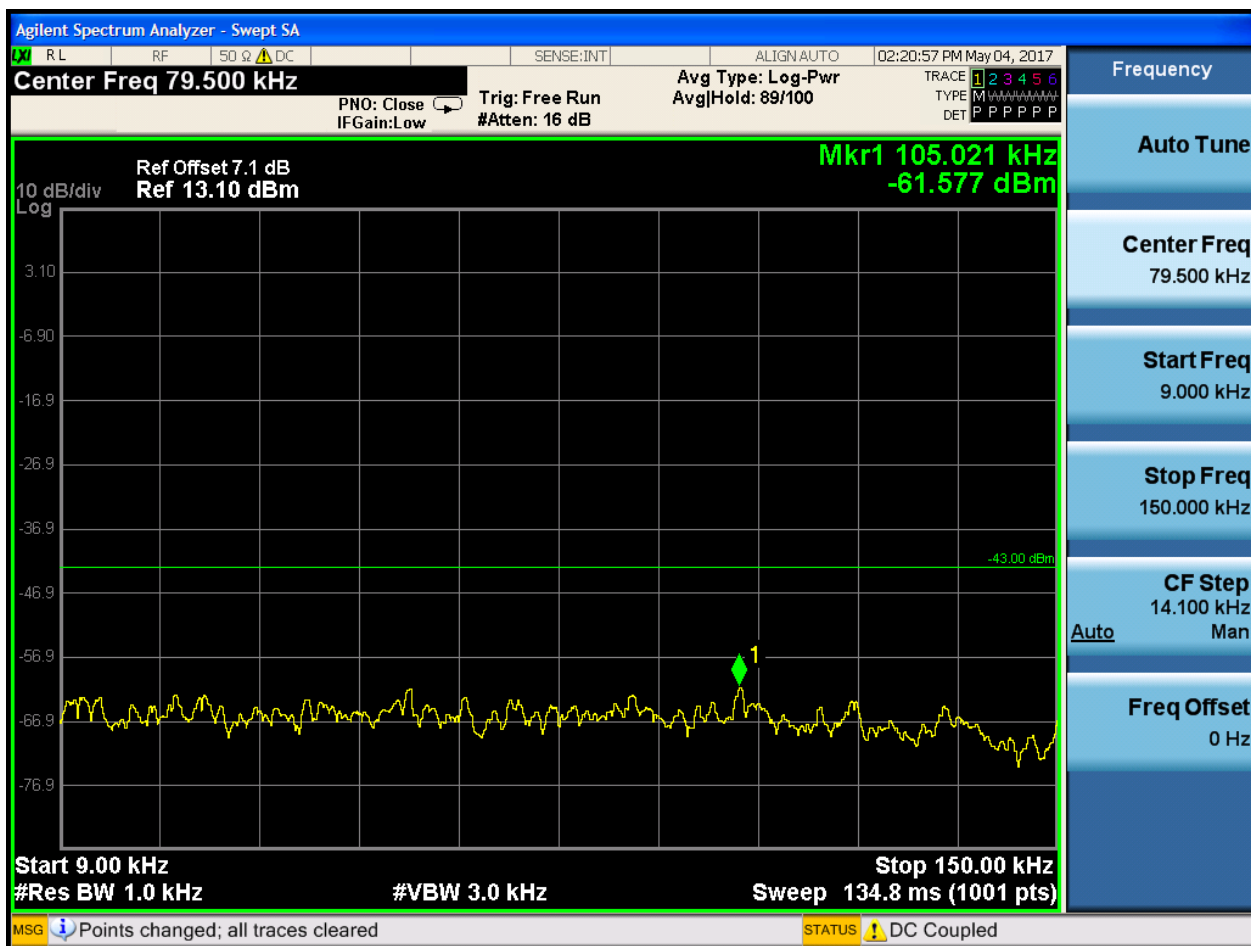


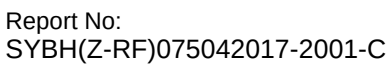
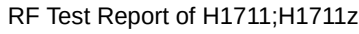


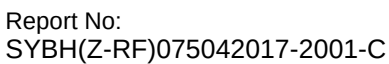
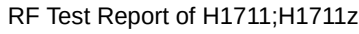


### 6.1.1.2.5.3 Test Channel = HCH

#### 6.1.1.2.5.3.1 Test RB = RB1#0



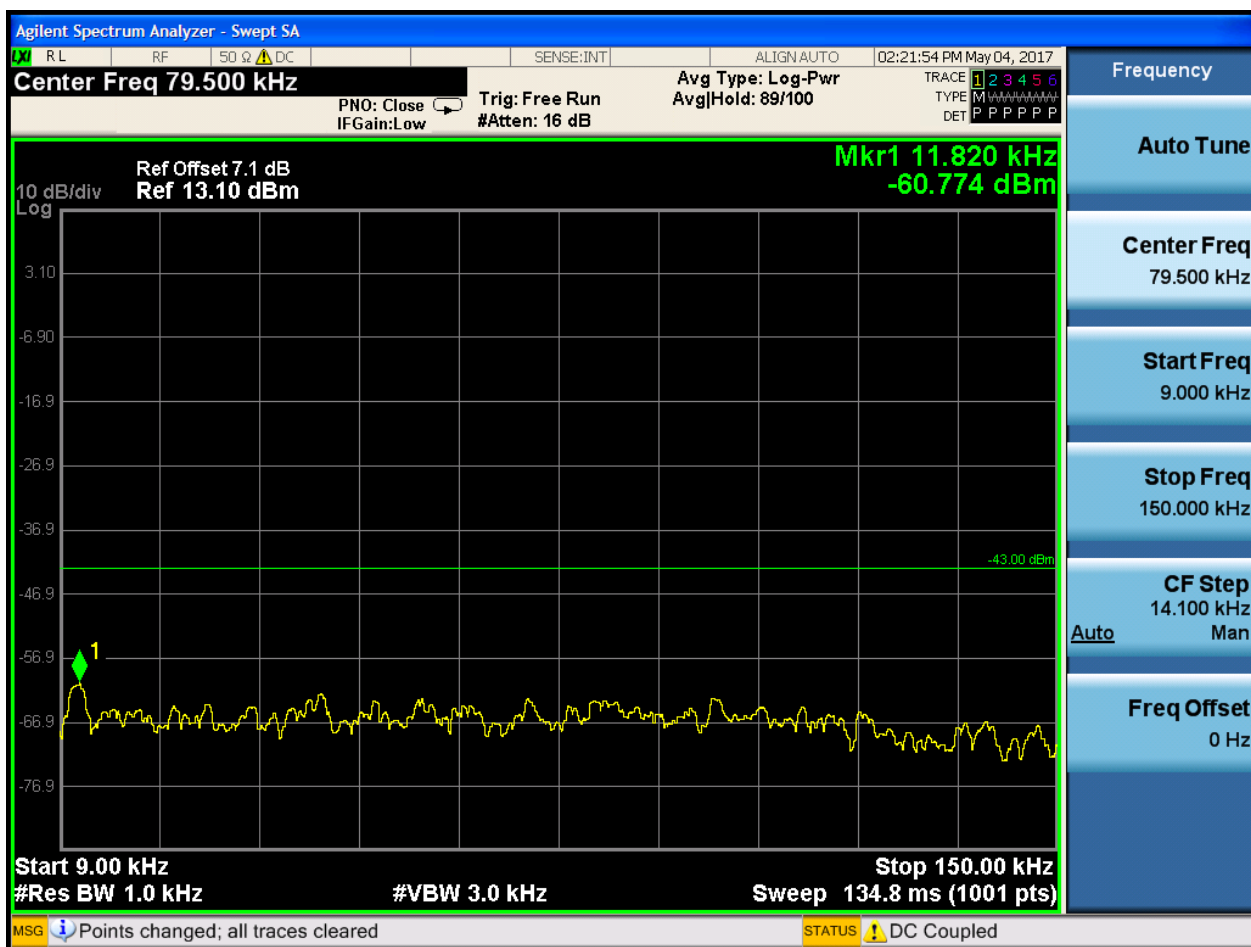


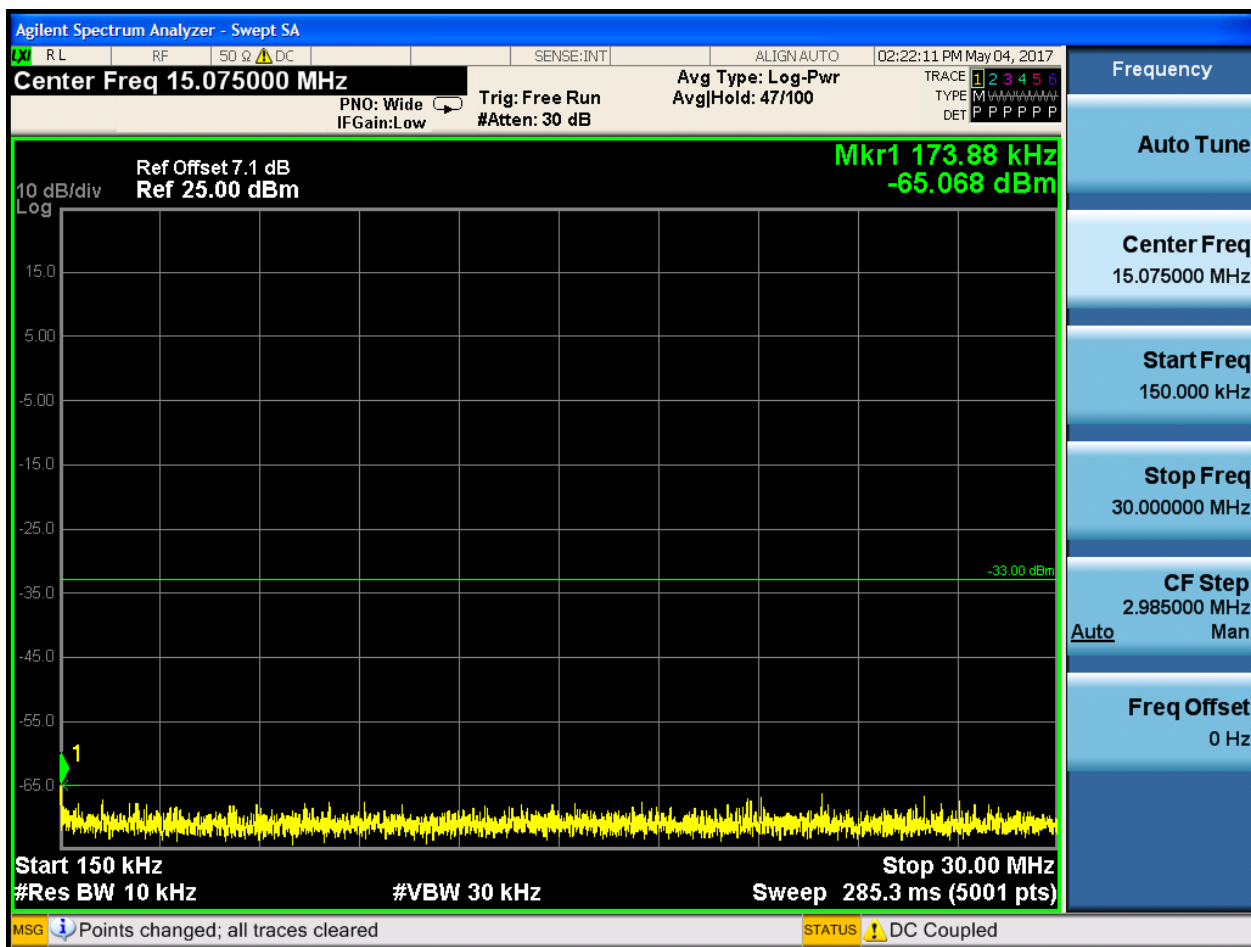


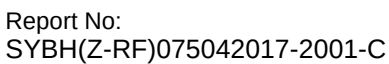
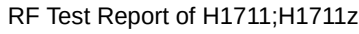
### 6.1.1.2.6 Test Bandwidth = 20

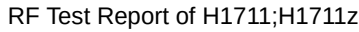
#### 6.1.1.2.6.1 Test Channel = LCH

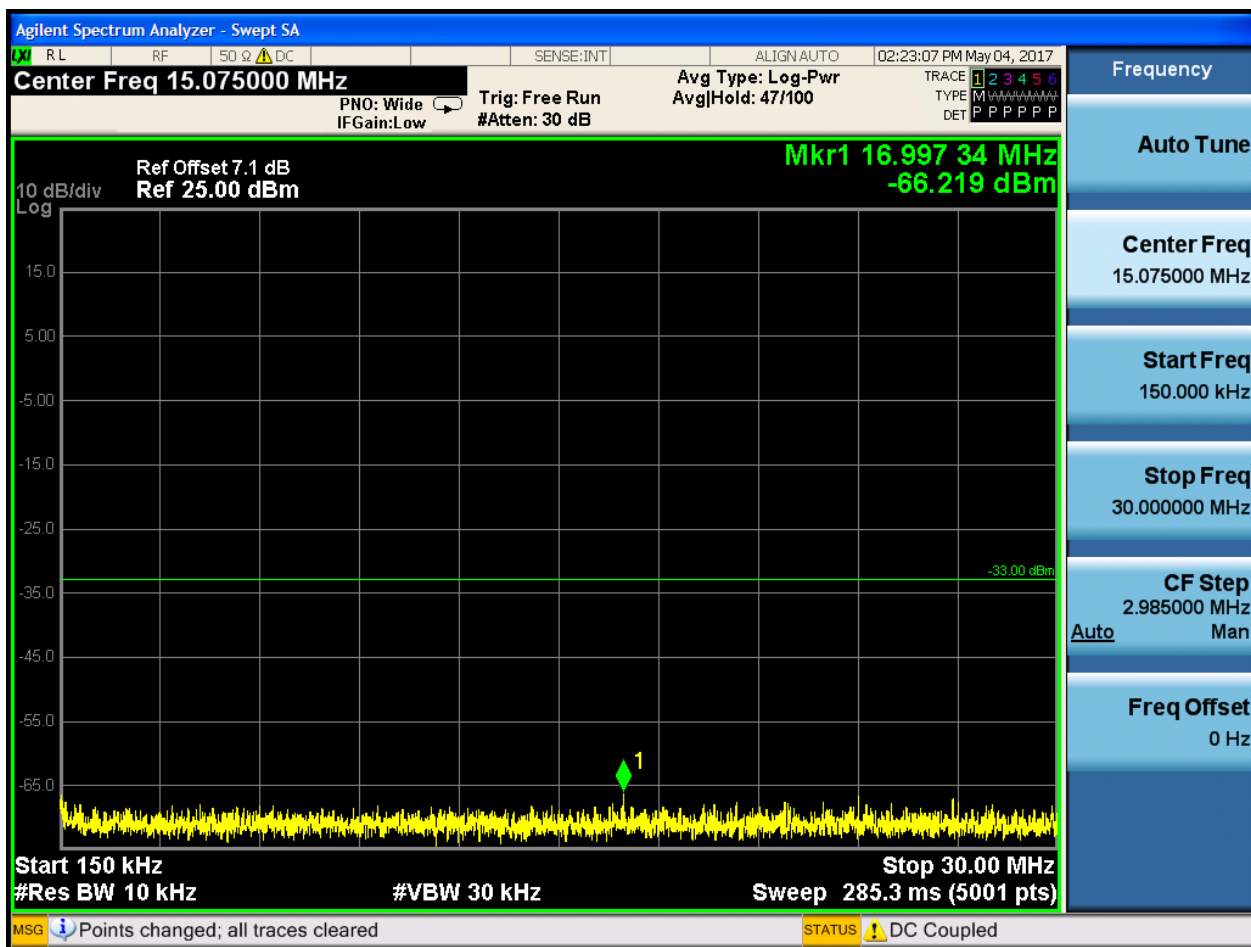
##### 6.1.1.2.6.1.1 Test RB = RB1#0

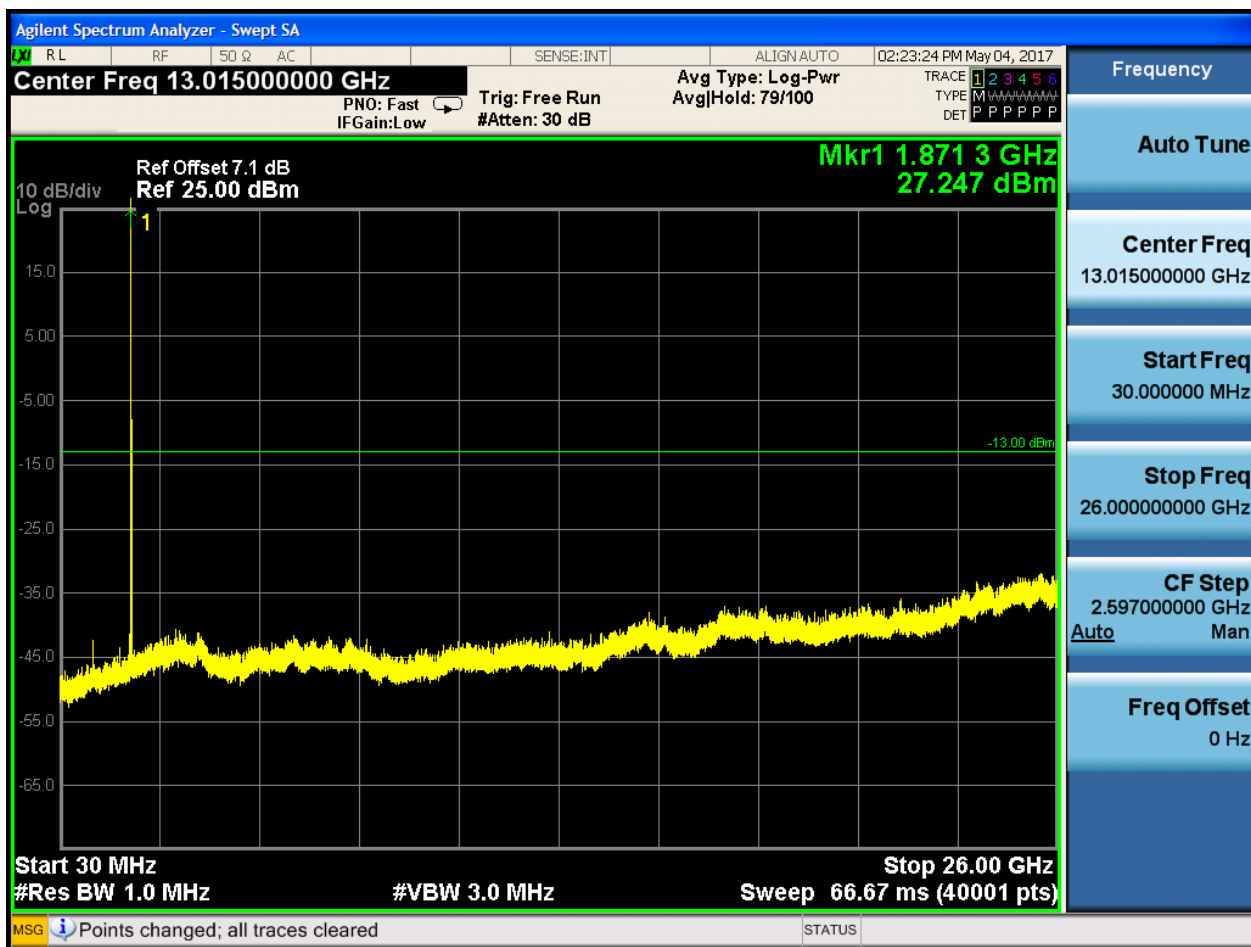








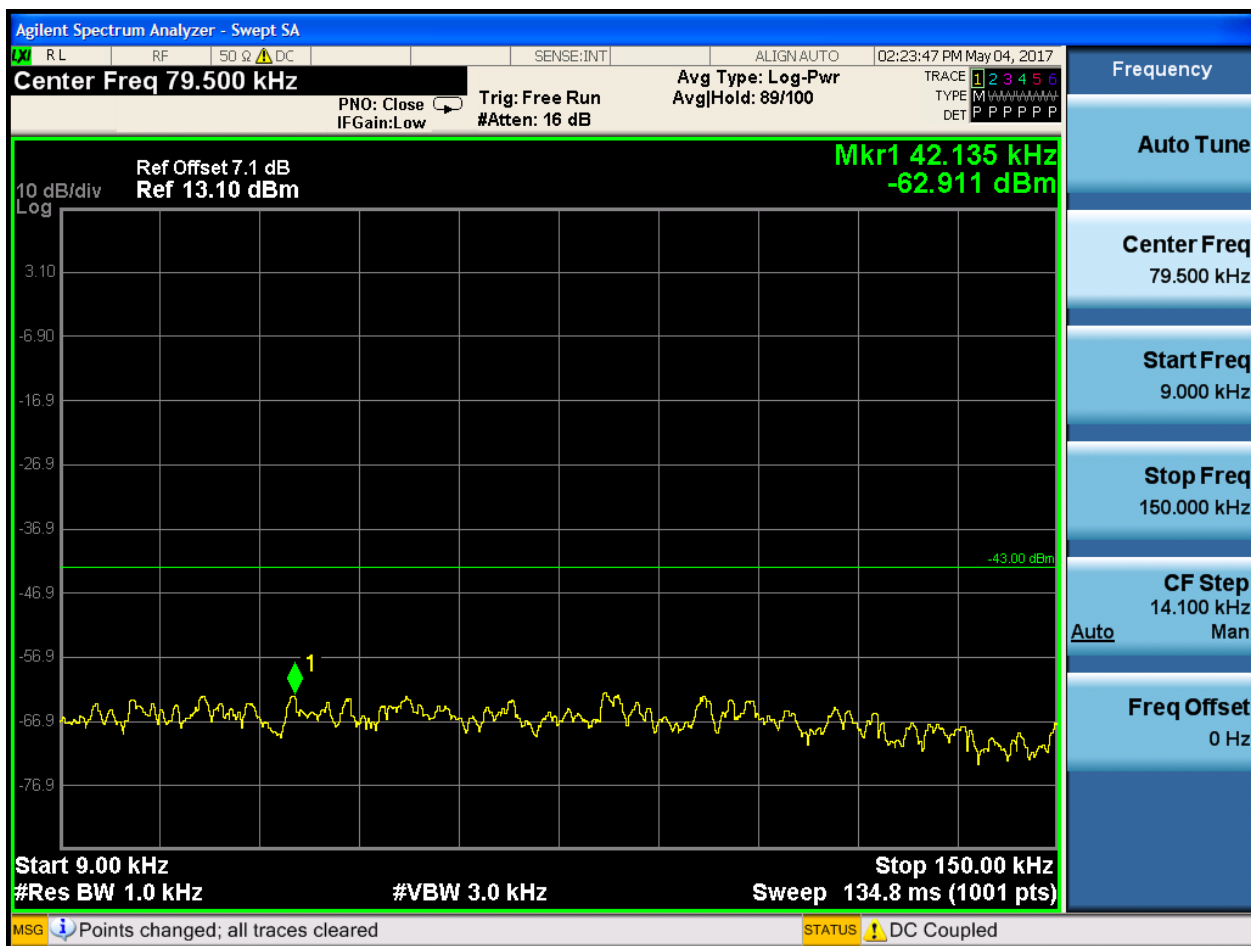


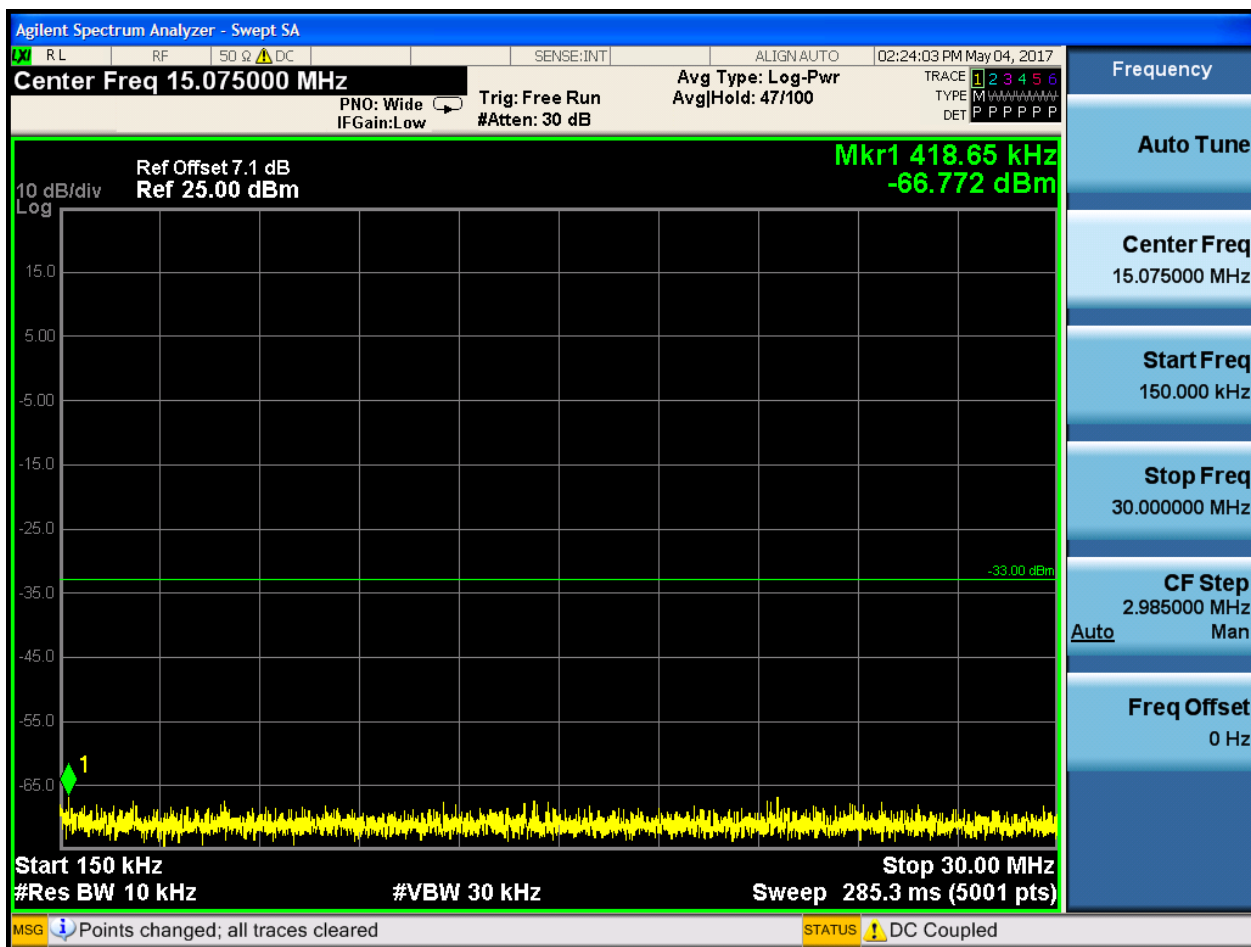


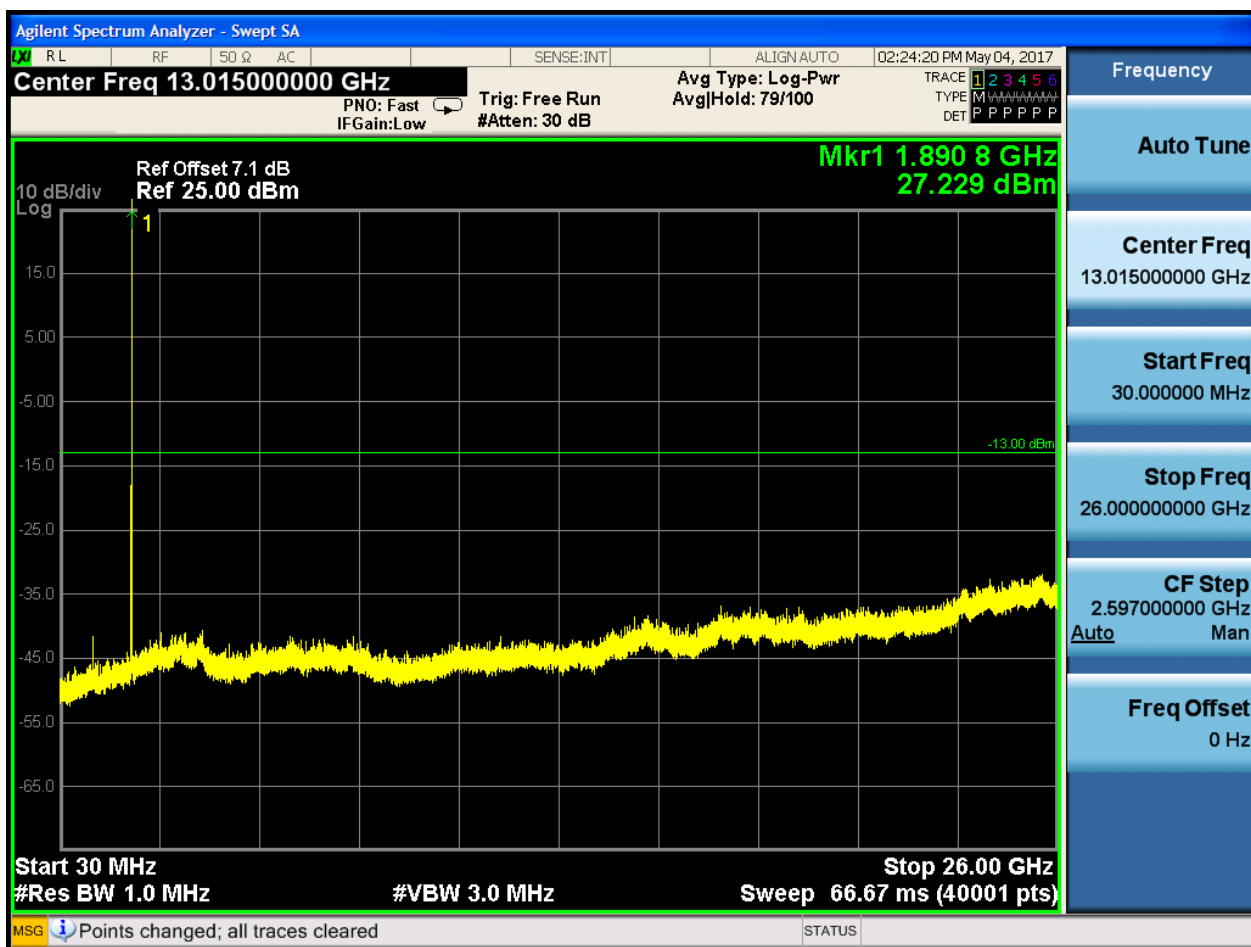


## 6.1.1.2.6.3 Test Channel = HCH

## 6.1.1.2.6.3.1 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, VBW = 200Hz, VBW = 600 Hz, Detector: PK

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

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

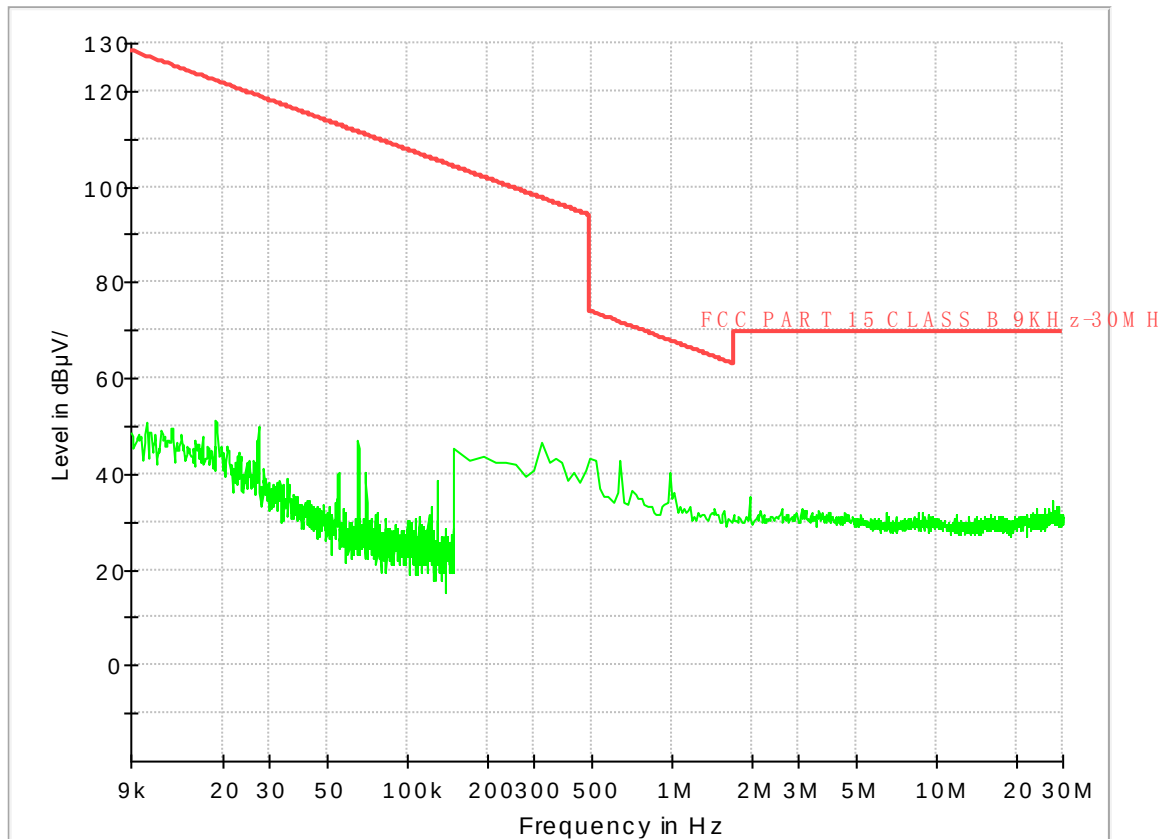
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

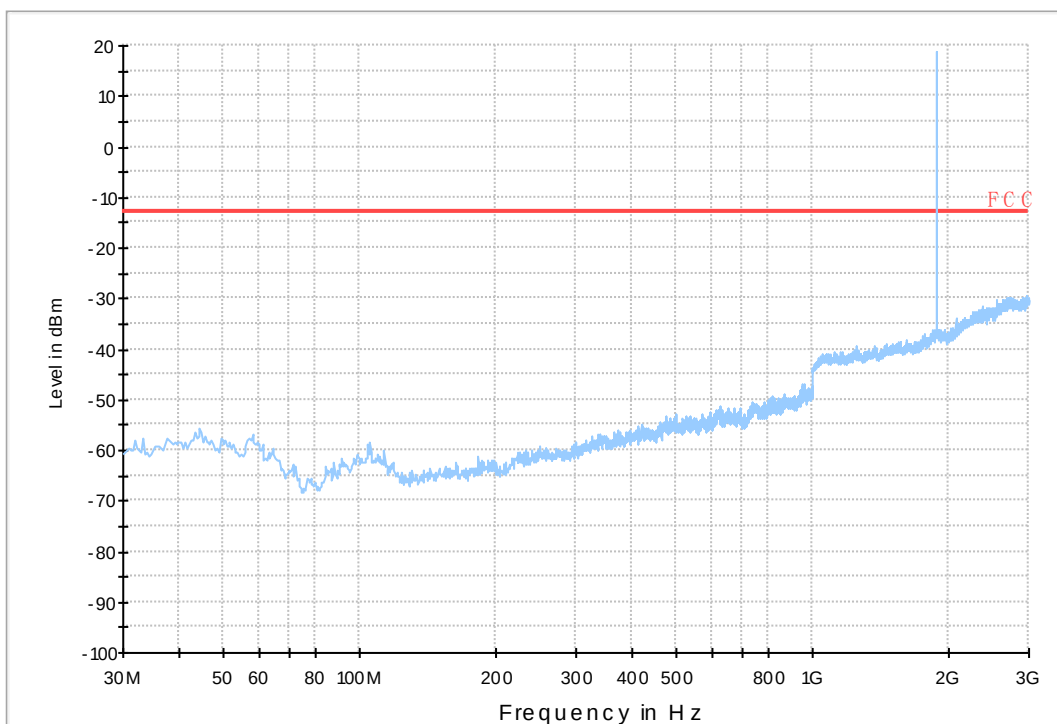
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND2\_Ant1

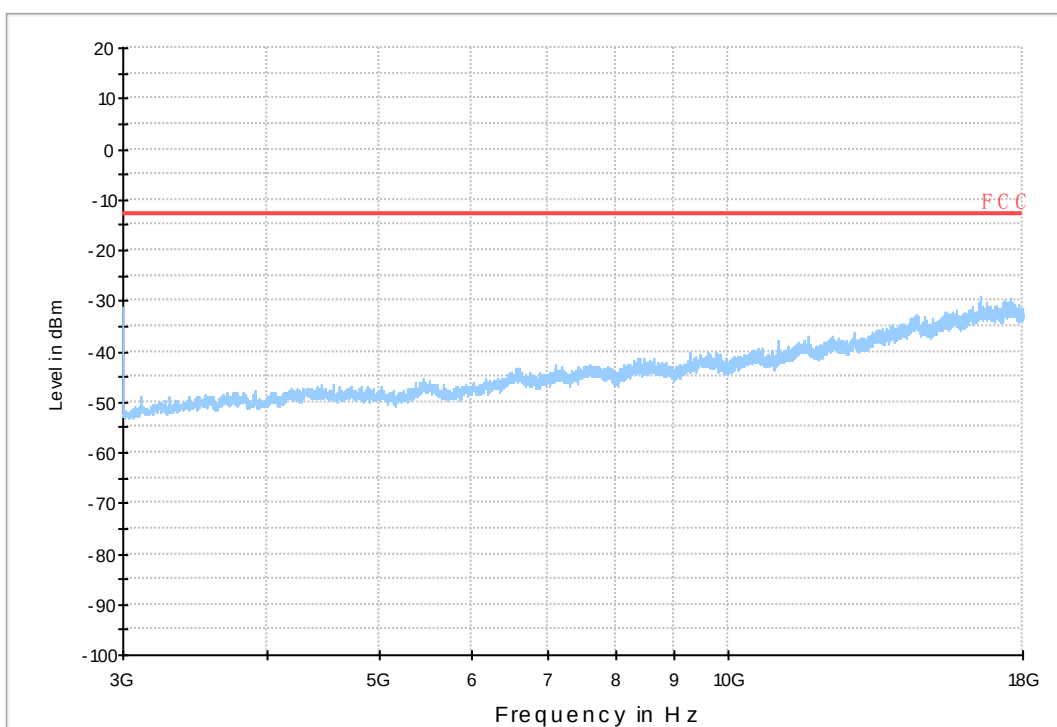
##### 7.1.1.1 Test Bandwidth = 1.4

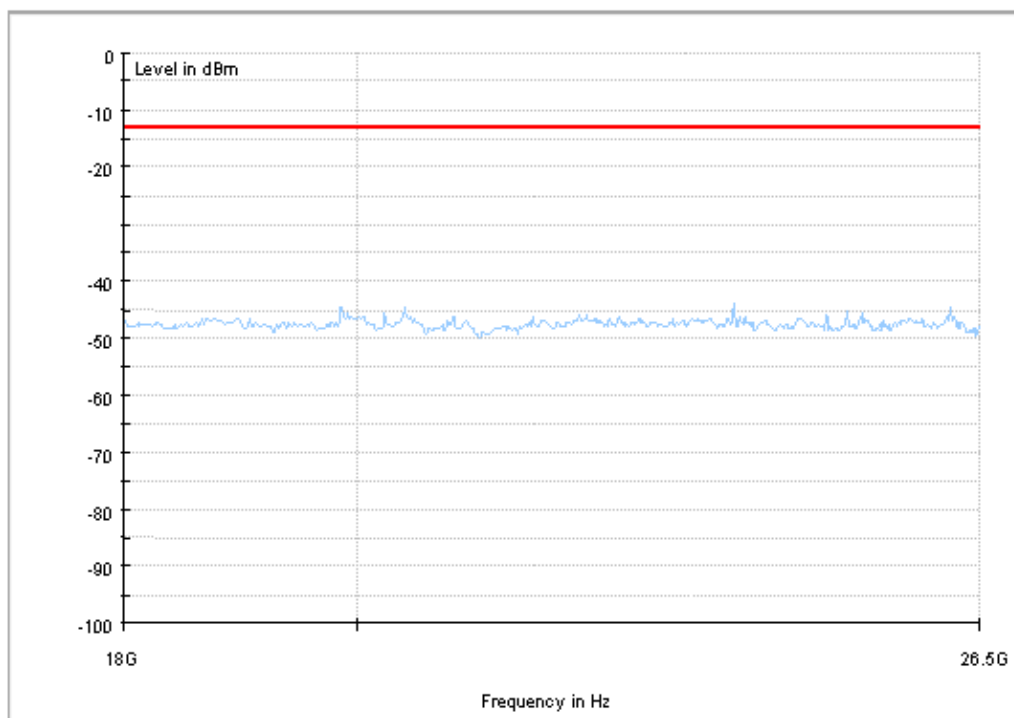


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

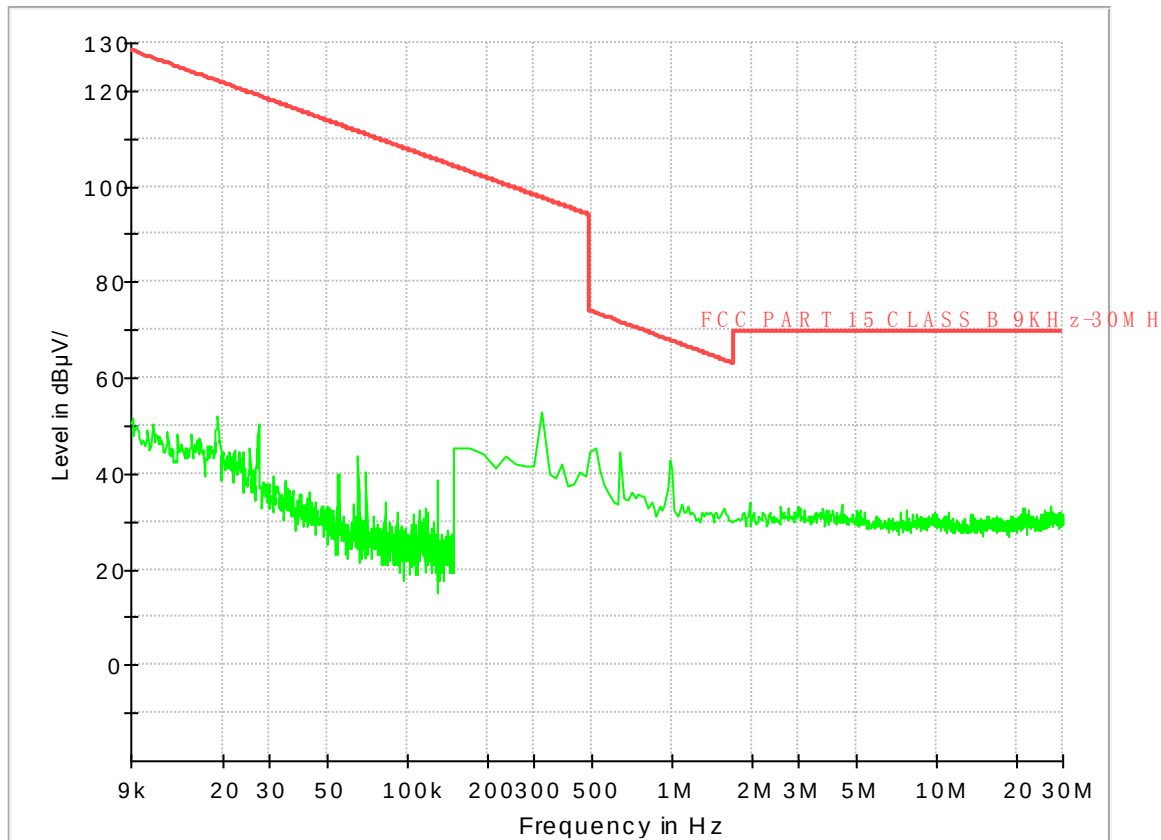


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

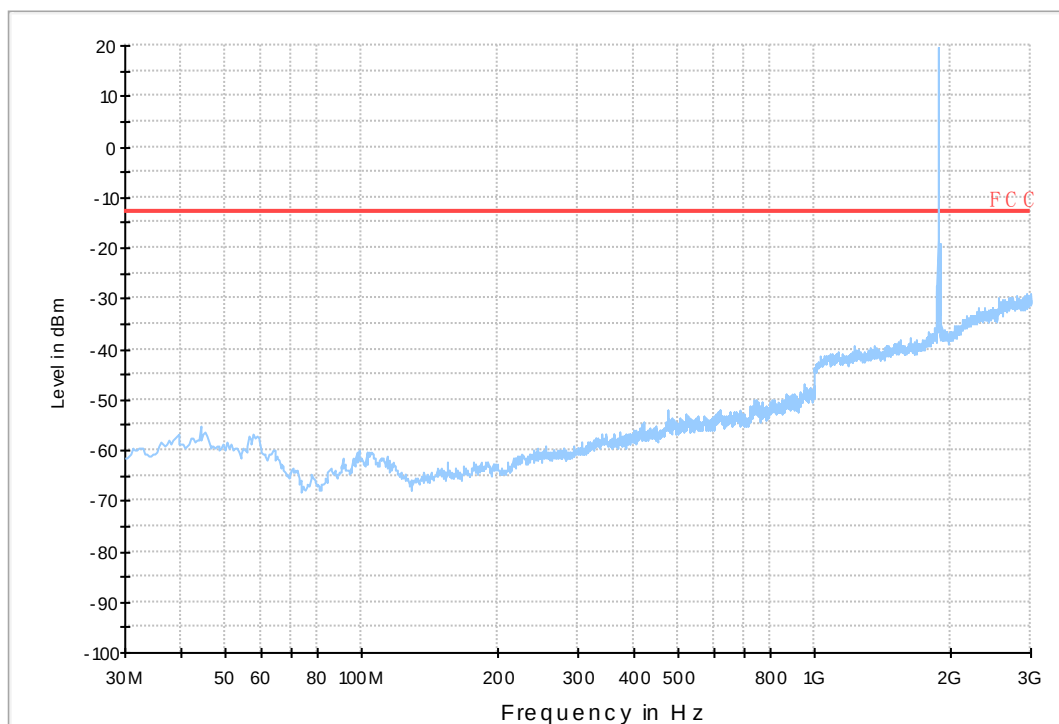




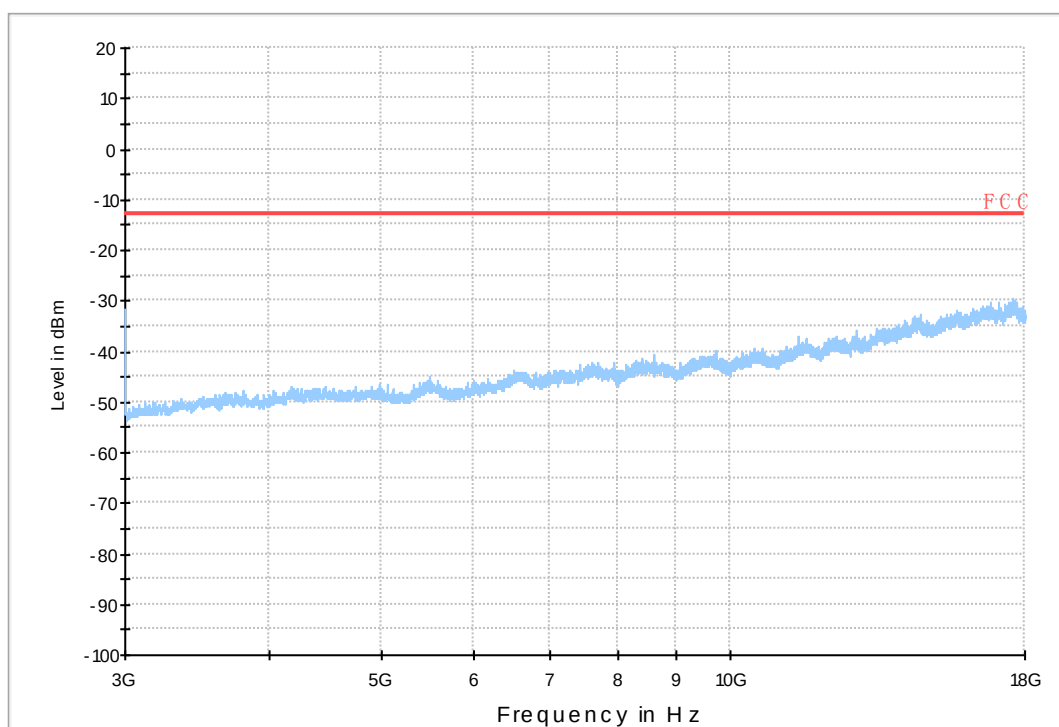
### 7.1.1.2 Test Bandwidth = 20

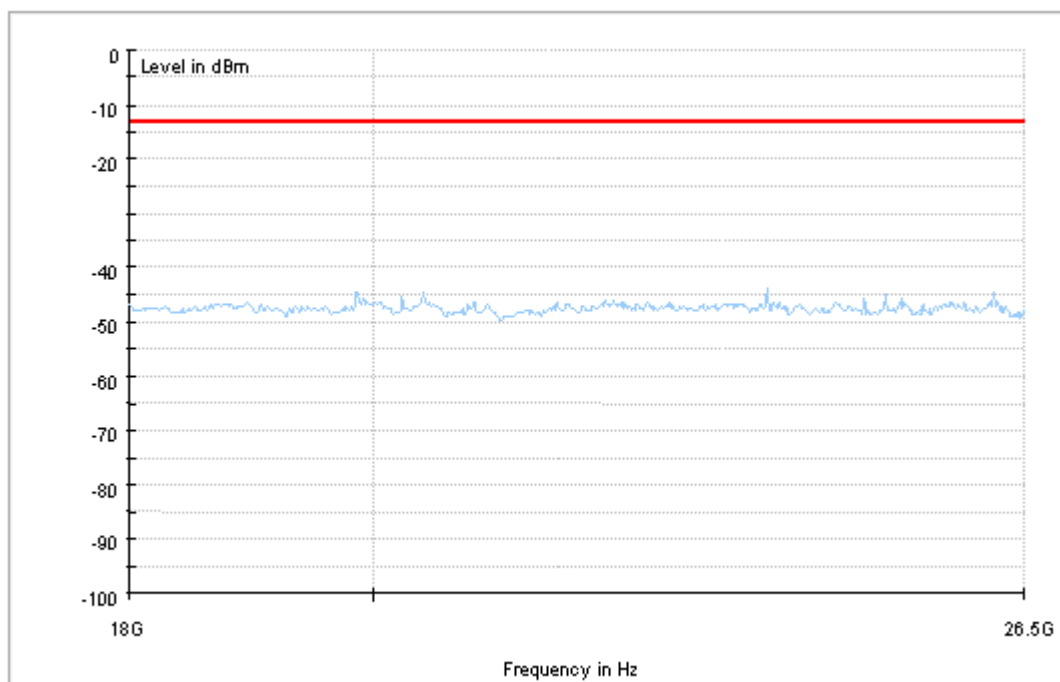


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



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         | -2.63            | -0.00142              | PASS    |
|           |           |                      |              |            | VN         | -2.79            | -0.00151              | PASS    |
|           |           |                      |              |            | VH         | -1.43            | -0.00077              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.93            | -0.00209              | PASS    |
|           |           |                      |              |            | VN         | -5.66            | -0.00301              | PASS    |
|           |           |                      |              |            | VH         | -4.19            | -0.00223              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.72            | -0.0009               | PASS    |
|           |           |                      |              |            | VN         | -1.52            | -0.0008               | PASS    |
|           |           |                      |              |            | VH         | -0.37            | -0.00019              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -2.53            | -0.00137              | PASS    |
|           |           |                      |              |            | VN         | -1.36            | -0.00073              | PASS    |
|           |           |                      |              |            | VH         | -4.86            | -0.00262              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.43            | -0.00182              | PASS    |
|           |           |                      |              |            | VN         | -3.25            | -0.00173              | PASS    |
|           |           |                      |              |            | VH         | -2.79            | -0.00148              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.76             | 0.0004                | PASS    |
|           |           |                      |              |            | VN         | 0.30             | 0.00016               | PASS    |
|           |           |                      |              |            | VH         | 0.30             | 0.00016               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -1.76            | -0.00095              | PASS    |
|           |           |                      |              |            | VN         | -2.85            | -0.00154              | PASS    |
|           |           |                      |              |            | VH         | -2.53            | -0.00137              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.93            | -0.00156              | PASS    |
|           |           |                      |              |            | VN         | -3.62            | -0.00193              | PASS    |
|           |           |                      |              |            | VH         | -2.92            | -0.00155              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.12             | 0.00059               | PASS    |
|           |           |                      |              |            | VN         | -0.19            | -0.0001               | PASS    |
|           |           |                      |              |            | VH         | -0.30            | -0.00016              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -2.76            | -0.00149              | PASS    |
|           |           |                      |              |            | VN         | -1.80            | -0.00097              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | MCH          | TN         | VH         | -2.56            | -0.00138              | PASS    |
|           |           |                      |              |            | VL         | -3.02            | -0.00161              | PASS    |
|           |           |                      |              |            | VN         | -3.05            | -0.00162              | PASS    |
|           |           |                      |              |            | VH         | -4.12            | -0.00219              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.53             | 0.00028               | PASS    |
|           |           |                      |              |            | VN         | 1.67             | 0.00088               | PASS    |
|           |           |                      |              |            | VH         | 1.90             | 0.001                 | PASS    |
|           |           |                      | LCH          | TN         | VL         | -2.85            | -0.00153              | PASS    |
|           |           |                      |              |            | VN         | -2.00            | -0.00108              | PASS    |
|           |           |                      |              |            | VH         | -3.36            | -0.00181              | PASS    |
|           |           | 15                   | MCH          | TN         | VL         | -2.92            | -0.00155              | PASS    |
|           |           |                      |              |            | VN         | -3.22            | -0.00171              | PASS    |
|           |           |                      |              |            | VH         | -4.41            | -0.00235              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -4.38            | -0.0023               | PASS    |
|           |           |                      |              |            | VN         | -3.23            | -0.0017               | PASS    |
|           |           |                      |              |            | VH         | -3.86            | -0.00203              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | 1.22             | 0.00066               | PASS    |
|           |           |                      |              |            | VN         | 1.29             | 0.00069               | PASS    |
|           |           |                      |              |            | VH         | 0.94             | 0.00051               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.56            | -0.00189              | PASS    |
|           |           |                      |              |            | VN         | -3.13            | -0.00166              | PASS    |
|           |           |                      |              |            | VH         | -3.00            | -0.0016               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.28            | -0.00173              | PASS    |
|           |           |                      |              |            | VN         | -1.82            | -0.00096              | PASS    |
|           |           |                      |              |            | VH         | -2.89            | -0.00152              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | TN         | VL         | -0.04            | -0.00002              | PASS    |
|           |           |                      |              |            | VN         | -3.75            | -0.00203              | PASS    |
|           |           |                      |              |            | VH         | -3.53            | -0.00191              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -5.02            | -0.00267              | PASS    |
|           |           |                      |              |            | VN         | -4.01            | -0.00213              | PASS    |
|           |           |                      |              |            | VH         | -1.73            | -0.00092              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.00             | 0.00052               | PASS    |
|           |           |                      |              |            | VN         | -0.51            | -0.00027              | PASS    |
|           |           |                      |              |            | VH         | 1.33             | 0.0007                | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -1.86            | -0.001                | PASS    |
|           |           |                      |              |            | VN         | -2.10            | -0.00113              | PASS    |
|           |           |                      |              |            | VH         | -3.02            | -0.00163              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.88            | -0.00153              | PASS    |
|           |           |                      |              |            | VN         | -4.65            | -0.00247              | 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         | -3.83            | -0.00204              | PASS    |
|           |           |                      |              |            | VL         | 1.43             | 0.00075               | PASS    |
|           |           |                      |              |            | VN         | 0.26             | 0.00014               | PASS    |
|           |           |                      |              |            | VH         | -0.72            | -0.00038              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -2.56            | -0.00138              | PASS    |
|           |           |                      |              |            | VN         | -1.36            | -0.00073              | PASS    |
|           |           |                      |              |            | VH         | -2.66            | -0.00144              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.76            | -0.002                | PASS    |
|           |           |                      |              |            | VN         | -4.06            | -0.00216              | PASS    |
|           |           |                      |              |            | VH         | -4.49            | -0.00239              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.51            | -0.00027              | PASS    |
|           |           |                      |              |            | VN         | -0.46            | -0.00024              | PASS    |
|           |           |                      |              |            | VH         | -0.24            | -0.00013              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -1.57            | -0.00085              | PASS    |
|           |           |                      |              |            | VN         | -2.85            | -0.00154              | PASS    |
|           |           |                      |              |            | VH         | -2.57            | -0.00139              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.46            | -0.00131              | PASS    |
|           |           |                      |              |            | VN         | -3.79            | -0.00202              | PASS    |
|           |           |                      |              |            | VH         | -1.92            | -0.00102              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.33             | 0.0007                | PASS    |
|           |           |                      |              |            | VN         | 0.96             | 0.0005                | PASS    |
|           |           |                      |              |            | VH         | 2.19             | 0.00115               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -3.95            | -0.00213              | PASS    |
|           |           |                      |              |            | VN         | -3.95            | -0.00213              | PASS    |
|           |           |                      |              |            | VH         | -4.26            | -0.00229              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.99            | -0.00212              | PASS    |
|           |           |                      |              |            | VN         | -3.96            | -0.00211              | PASS    |
|           |           |                      |              |            | VH         | -3.50            | -0.00186              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.60            | -0.00189              | PASS    |
|           |           |                      |              |            | VN         | -4.38            | -0.0023               | PASS    |
|           |           |                      |              |            | VH         | -3.00            | -0.00158              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | 1.33             | 0.00072               | PASS    |
|           |           |                      |              |            | VN         | 1.27             | 0.00068               | PASS    |
|           |           |                      |              |            | VH         | 1.13             | 0.00061               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.10            | -0.00165              | PASS    |
|           |           |                      |              |            | VN         | -3.05            | -0.00162              | PASS    |
|           |           |                      |              |            | VH         | -4.31            | -0.00229              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.65            | -0.00139              | PASS    |
|           |           |                      |              |            | VN         | -1.69            | -0.00089              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VH         | -2.17            | -0.00114              | 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        | -2.57            | -0.00139              | PASS    |
|           |           |                      |              |            | -20        | -0.94            | -0.00051              | PASS    |
|           |           |                      |              |            | -10        | -1.40            | -0.00076              | PASS    |
|           |           |                      |              |            | 0          | -2.60            | -0.0014               | PASS    |
|           |           |                      |              |            | 10         | -2.78            | -0.0015               | PASS    |
|           |           |                      |              |            | 20         | -4.26            | -0.0023               | PASS    |
|           |           |                      |              |            | 30         | -4.35            | -0.00235              | PASS    |
|           |           |                      |              |            | 40         | -3.95            | -0.00213              | PASS    |
|           |           |                      |              |            | 50         | -1.92            | -0.00104              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -5.85            | -0.00311              | PASS    |
|           |           |                      |              |            | -20        | -4.51            | -0.0024               | PASS    |
|           |           |                      |              |            | -10        | -4.42            | -0.00235              | PASS    |
|           |           |                      |              |            | 0          | -5.87            | -0.00312              | PASS    |
|           |           |                      |              |            | 10         | -6.24            | -0.00332              | PASS    |
|           |           |                      |              |            | 20         | -5.42            | -0.00288              | PASS    |
|           |           |                      |              |            | 30         | -4.95            | -0.00263              | PASS    |
|           |           |                      |              |            | 40         | -6.97            | -0.00371              | PASS    |
|           |           |                      |              |            | 50         | -5.45            | -0.0029               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.94            | -0.00049              | PASS    |
|           |           |                      |              |            | -20        | -0.44            | -0.00023              | PASS    |
|           |           |                      |              |            | -10        | -2.40            | -0.00126              | PASS    |
|           |           |                      |              |            | 0          | -0.77            | -0.0004               | PASS    |
|           |           |                      |              |            | 10         | -2.43            | -0.00127              | PASS    |
|           |           |                      |              |            | 20         | -1.19            | -0.00062              | PASS    |
|           |           |                      |              |            | 30         | -1.46            | -0.00076              | PASS    |
|           |           |                      |              |            | 40         | -1.33            | -0.0007               | PASS    |
|           |           |                      |              |            | 50         | -0.63            | -0.00033              | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | -1.63            | -0.00088              | PASS    |
|           |           |                      |              |            | -20        | -3.15            | -0.0017               | PASS    |
|           |           |                      |              |            | -10        | -2.52            | -0.00136              | PASS    |
|           |           |                      |              |            | 0          | -1.04            | -0.00056              | PASS    |
|           |           |                      |              |            | 10         | -3.03            | -0.00164              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20         | -3.60            | -0.00194              | PASS    |
|           |           |                      |              |            | 30         | -3.42            | -0.00185              | PASS    |
|           |           |                      |              |            | 40         | -2.45            | -0.00132              | PASS    |
|           |           |                      |              |            | 50         | -2.85            | -0.00154              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.60            | -0.00191              | PASS    |
|           |           |                      |              |            | -20        | -4.16            | -0.00221              | PASS    |
|           |           |                      |              |            | -10        | -3.69            | -0.00196              | PASS    |
|           |           |                      |              |            | 0          | -4.53            | -0.00241              | PASS    |
|           |           |                      |              |            | 10         | -5.18            | -0.00276              | PASS    |
|           |           |                      |              |            | 20         | -5.22            | -0.00278              | PASS    |
|           |           |                      |              |            | 30         | -4.23            | -0.00225              | PASS    |
|           |           |                      |              |            | 40         | -4.69            | -0.00249              | PASS    |
|           |           |                      |              |            | 50         | -4.85            | -0.00258              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.01            | -0.00001              | PASS    |
|           |           |                      |              |            | -20        | 0.00             | 0                     | PASS    |
|           |           |                      |              |            | -10        | 0.01             | 0.00001               | PASS    |
|           |           |                      |              |            | 0          | -1.46            | -0.00076              | PASS    |
|           |           |                      |              |            | 10         | 0.53             | 0.00028               | PASS    |
|           |           |                      |              |            | 20         | 0.69             | 0.00036               | PASS    |
|           |           |                      |              |            | 30         | -0.07            | -0.00004              | PASS    |
|           |           |                      |              |            | 40         | 0.04             | 0.00002               | PASS    |
|           |           |                      |              |            | 50         | -1.16            | -0.00061              | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -2.20            | -0.00119              | PASS    |
|           |           |                      |              |            | -20        | -1.04            | -0.00056              | PASS    |
|           |           |                      |              |            | -10        | -1.49            | -0.0008               | PASS    |
|           |           |                      |              |            | 0          | -0.57            | -0.00031              | PASS    |
|           |           |                      |              |            | 10         | -1.23            | -0.00066              | PASS    |
|           |           |                      |              |            | 20         | -2.03            | -0.0011               | PASS    |
|           |           |                      |              |            | 30         | -1.73            | -0.00093              | PASS    |
|           |           |                      |              |            | 40         | -1.69            | -0.00091              | PASS    |
|           |           |                      |              |            | 50         | -1.40            | -0.00076              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.78            | -0.00148              | PASS    |
|           |           |                      |              |            | -20        | -4.32            | -0.0023               | PASS    |
|           |           |                      |              |            | -10        | -3.26            | -0.00173              | PASS    |
|           |           |                      |              |            | 0          | -2.95            | -0.00157              | PASS    |
|           |           |                      |              |            | 10         | -3.76            | -0.002                | PASS    |
|           |           |                      |              |            | 20         | -4.91            | -0.00261              | PASS    |
|           |           |                      |              |            | 30         | -3.58            | -0.0019               | PASS    |
|           |           |                      |              |            | 40         | -4.15            | -0.00221              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | VN         | 50         | -3.53            | -0.00188              | PASS    |
|           |           |                      |              |            | -30        | -0.24            | -0.00013              | PASS    |
|           |           |                      |              |            | -20        | -0.47            | -0.00025              | PASS    |
|           |           |                      |              |            | -10        | -0.99            | -0.00052              | PASS    |
|           |           |                      |              |            | 0          | -0.89            | -0.00047              | PASS    |
|           |           |                      |              |            | 10         | -0.84            | -0.00044              | PASS    |
|           |           |                      |              |            | 20         | -1.56            | -0.00082              | PASS    |
|           |           |                      |              |            | 30         | -0.92            | -0.00048              | PASS    |
|           |           |                      |              |            | 40         | -0.06            | -0.00003              | PASS    |
|           |           |                      |              |            | 50         | -0.03            | -0.00002              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -2.88            | -0.00155              | PASS    |
|           |           |                      |              |            | -20        | -1.43            | -0.00077              | PASS    |
|           |           |                      |              |            | -10        | -1.34            | -0.00072              | PASS    |
|           |           |                      |              |            | 0          | -3.99            | -0.00215              | PASS    |
|           |           |                      |              |            | 10         | -2.40            | -0.00129              | PASS    |
|           |           |                      |              |            | 20         | -1.33            | -0.00072              | PASS    |
|           |           |                      |              |            | 30         | -1.83            | -0.00099              | PASS    |
|           |           |                      |              |            | 40         | -1.79            | -0.00096              | PASS    |
|           |           |                      |              |            | 50         | -2.46            | -0.00133              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.57            | -0.00137              | PASS    |
|           |           |                      |              |            | -20        | -1.70            | -0.0009               | PASS    |
|           |           |                      |              |            | -10        | -3.26            | -0.00173              | PASS    |
|           |           |                      |              |            | 0          | -2.63            | -0.0014               | PASS    |
|           |           |                      |              |            | 10         | -3.49            | -0.00186              | PASS    |
|           |           |                      |              |            | 20         | -2.59            | -0.00138              | PASS    |
|           |           |                      |              |            | 30         | -2.65            | -0.00141              | PASS    |
|           |           |                      |              |            | 40         | -3.06            | -0.00163              | PASS    |
|           |           |                      |              |            | 50         | -4.41            | -0.00235              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 2.89             | 0.00152               | PASS    |
|           |           |                      |              |            | -20        | 1.02             | 0.00054               | PASS    |
|           |           |                      |              |            | -10        | 1.53             | 0.0008                | PASS    |
|           |           |                      |              |            | 0          | 1.99             | 0.00104               | PASS    |
|           |           |                      |              |            | 10         | 2.53             | 0.00133               | PASS    |
|           |           |                      |              |            | 20         | 1.26             | 0.00066               | PASS    |
|           |           |                      |              |            | 30         | 1.13             | 0.00059               | PASS    |
|           |           |                      |              |            | 40         | 1.99             | 0.00104               | PASS    |
|           |           |                      |              |            | 50         | 1.60             | 0.00084               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -3.71            | -0.002                | PASS    |
|           |           |                      |              |            | -20        | -3.19            | -0.00172              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -10        | -3.52            | -0.0019               | PASS    |
|           |           |                      |              |            | 0          | -3.43            | -0.00185              | PASS    |
|           |           |                      |              |            | 10         | -3.69            | -0.00199              | PASS    |
|           |           |                      |              |            | 20         | -3.66            | -0.00197              | PASS    |
|           |           |                      |              |            | 30         | -3.85            | -0.00207              | PASS    |
|           |           |                      |              |            | 40         | -2.37            | -0.00128              | PASS    |
|           |           |                      |              |            | 50         | -3.36            | -0.00181              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.09            | -0.00111              | PASS    |
|           |           |                      |              |            | -20        | -3.83            | -0.00204              | PASS    |
|           |           |                      |              |            | -10        | -2.96            | -0.00157              | PASS    |
|           |           |                      |              |            | 0          | -4.15            | -0.00221              | PASS    |
|           |           |                      |              |            | 10         | -4.12            | -0.00219              | PASS    |
|           |           |                      |              |            | 20         | -3.50            | -0.00186              | PASS    |
|           |           |                      |              |            | 30         | -4.22            | -0.00224              | PASS    |
|           |           |                      |              |            | 40         | -3.42            | -0.00182              | PASS    |
|           |           |                      |              |            | 50         | -3.66            | -0.00195              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -3.16            | -0.00166              | PASS    |
|           |           |                      |              |            | -20        | -3.10            | -0.00163              | PASS    |
|           |           |                      |              |            | -10        | -3.73            | -0.00196              | PASS    |
|           |           |                      |              |            | 0          | -2.56            | -0.00135              | PASS    |
|           |           |                      |              |            | 10         | -4.22            | -0.00222              | PASS    |
|           |           |                      |              |            | 20         | -3.55            | -0.00187              | PASS    |
|           |           |                      |              |            | 30         | -3.59            | -0.00189              | PASS    |
|           |           |                      |              |            | 40         | -2.60            | -0.00137              | PASS    |
|           |           |                      |              |            | 50         | -4.19            | -0.0022               | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | 0.59             | 0.00032               | PASS    |
|           |           |                      |              |            | -20        | 0.27             | 0.00015               | PASS    |
|           |           |                      |              |            | -10        | 0.89             | 0.00048               | PASS    |
|           |           |                      |              |            | 0          | 0.43             | 0.00023               | PASS    |
|           |           |                      |              |            | 10         | 0.44             | 0.00024               | PASS    |
|           |           |                      |              |            | 20         | 0.96             | 0.00052               | PASS    |
|           |           |                      |              |            | 30         | 1.93             | 0.00104               | PASS    |
|           |           |                      |              |            | 40         | -0.21            | -0.00011              | PASS    |
|           |           |                      |              |            | 50         | 0.00             | 0                     | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.89            | -0.00207              | PASS    |
|           |           |                      |              |            | -20        | -3.28            | -0.00174              | PASS    |
|           |           |                      |              |            | -10        | -2.62            | -0.00139              | PASS    |
|           |           |                      |              |            | 0          | -3.36            | -0.00179              | PASS    |
|           |           |                      |              |            | 10         | -3.33            | -0.00177              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20         | -4.08            | -0.00217              | PASS    |
|           |           |                      |              |            | 30         | -3.22            | -0.00171              | PASS    |
|           |           |                      |              |            | 40         | -2.80            | -0.00149              | PASS    |
|           |           |                      |              |            | 50         | -3.10            | -0.00165              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.73            | -0.00091              | PASS    |
|           |           |                      |              |            | -20        | -2.17            | -0.00114              | PASS    |
|           |           |                      |              |            | -10        | -1.10            | -0.00058              | PASS    |
|           |           |                      |              |            | 0          | -1.33            | -0.0007               | PASS    |
|           |           |                      |              |            | 10         | -1.97            | -0.00104              | PASS    |
|           |           |                      |              |            | 20         | -2.72            | -0.00143              | PASS    |
|           |           |                      |              |            | 30         | -1.49            | -0.00078              | PASS    |
|           |           |                      |              |            | 40         | -2.79            | -0.00147              | PASS    |
|           |           |                      |              |            | 50         | -2.86            | -0.00151              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30        | -2.60            | -0.0014               | PASS    |
|           |           |                      |              |            | -20        | -1.10            | -0.00059              | PASS    |
|           |           |                      |              |            | -10        | -3.81            | -0.00206              | PASS    |
|           |           |                      |              |            | 0          | -2.92            | -0.00158              | PASS    |
|           |           |                      |              |            | 10         | -2.15            | -0.00116              | PASS    |
|           |           |                      |              |            | 20         | -3.92            | -0.00212              | PASS    |
|           |           |                      |              |            | 30         | -4.55            | -0.00246              | PASS    |
|           |           |                      |              |            | 40         | -2.95            | -0.00159              | PASS    |
|           |           |                      |              |            | 50         | -4.41            | -0.00238              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.79            | -0.00202              | PASS    |
|           |           |                      |              |            | -20        | -4.09            | -0.00218              | PASS    |
|           |           |                      |              |            | -10        | -5.04            | -0.00268              | PASS    |
|           |           |                      |              |            | 0          | -3.75            | -0.00199              | PASS    |
|           |           |                      |              |            | 10         | -5.35            | -0.00285              | PASS    |
|           |           |                      |              |            | 20         | -3.63            | -0.00193              | PASS    |
|           |           |                      |              |            | 30         | -4.91            | -0.00261              | PASS    |
|           |           |                      |              |            | 40         | -5.14            | -0.00273              | PASS    |
|           |           |                      |              |            | 50         | -4.62            | -0.00246              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.73             | 0.00038               | PASS    |
|           |           |                      |              |            | -20        | 1.24             | 0.00065               | PASS    |
|           |           |                      |              |            | -10        | -1.09            | -0.00057              | PASS    |
|           |           |                      |              |            | 0          | -0.13            | -0.00007              | PASS    |
|           |           |                      |              |            | 10         | -0.51            | -0.00027              | PASS    |
|           |           |                      |              |            | 20         | 0.83             | 0.00043               | PASS    |
|           |           |                      |              |            | 30         | -1.76            | -0.00092              | PASS    |
|           |           |                      |              |            | 40         | 0.21             | 0.00011               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 50         | 0.54             | 0.00028               | PASS    |
|           |           |                      |              |            | -30        | -2.55            | -0.00138              | PASS    |
|           |           | 3                    | LCH          | VN         | -20        | -2.16            | -0.00117              | PASS    |
|           |           |                      |              |            | -10        | -2.36            | -0.00127              | PASS    |
|           |           |                      |              |            | 0          | -1.63            | -0.00088              | PASS    |
|           |           |                      |              |            | 10         | -1.10            | -0.00059              | PASS    |
|           |           |                      |              |            | 20         | -2.27            | -0.00123              | PASS    |
|           |           |                      |              |            | 30         | -2.92            | -0.00158              | PASS    |
|           |           |                      |              |            | 40         | -1.14            | -0.00062              | PASS    |
|           |           |                      |              |            | 50         | -2.70            | -0.00146              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.06            | -0.00163              | PASS    |
|           |           |                      |              |            | -20        | -4.21            | -0.00224              | PASS    |
|           |           |                      |              |            | -10        | -3.39            | -0.0018               | PASS    |
|           |           |                      |              |            | 0          | -4.19            | -0.00223              | PASS    |
|           |           |                      |              |            | 10         | -3.09            | -0.00164              | PASS    |
|           |           |                      |              |            | 20         | -3.15            | -0.00168              | PASS    |
|           |           |                      |              |            | 30         | -3.49            | -0.00186              | PASS    |
|           |           |                      |              |            | 40         | -3.35            | -0.00178              | PASS    |
|           |           |                      |              |            | 50         | -2.96            | -0.00157              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 1.26             | 0.00066               | PASS    |
|           |           |                      |              |            | -20        | 3.09             | 0.00162               | PASS    |
|           |           |                      |              |            | -10        | 0.44             | 0.00023               | PASS    |
|           |           |                      |              |            | 0          | 1.49             | 0.00078               | PASS    |
|           |           |                      |              |            | 10         | 0.21             | 0.00011               | PASS    |
|           |           |                      |              |            | 20         | -0.29            | -0.00015              | PASS    |
|           |           |                      |              |            | 30         | 1.29             | 0.00068               | PASS    |
|           |           |                      |              |            | 40         | -0.64            | -0.00034              | PASS    |
|           |           |                      |              |            | 50         | 0.14             | 0.00007               | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -1.83            | -0.00099              | PASS    |
|           |           |                      |              |            | -20        | -0.96            | -0.00052              | PASS    |
|           |           |                      |              |            | -10        | -3.05            | -0.00165              | PASS    |
|           |           |                      |              |            | 0          | -1.54            | -0.00083              | PASS    |
|           |           |                      |              |            | 10         | -1.03            | -0.00056              | PASS    |
|           |           |                      |              |            | 20         | -2.45            | -0.00132              | PASS    |
|           |           |                      |              |            | 30         | -1.73            | -0.00093              | PASS    |
|           |           |                      |              |            | 40         | -1.96            | -0.00106              | PASS    |
|           |           |                      |              |            | 50         | -2.19            | -0.00118              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.71            | -0.00197              | PASS    |
|           |           |                      |              |            | -20        | -3.75            | -0.00199              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -10        | -3.88            | -0.00206              | PASS    |
|           |           |                      |              |            | 0          | -4.84            | -0.00257              | PASS    |
|           |           |                      |              |            | 10         | -3.26            | -0.00173              | PASS    |
|           |           |                      |              |            | 20         | -2.90            | -0.00154              | PASS    |
|           |           |                      |              |            | 30         | -3.40            | -0.00181              | PASS    |
|           |           |                      |              |            | 40         | -3.86            | -0.00205              | PASS    |
|           |           |                      |              |            | 50         | -3.78            | -0.00201              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.21             | 0.00011               | PASS    |
|           |           |                      |              |            | -20        | -0.62            | -0.00033              | PASS    |
|           |           |                      |              |            | -10        | 1.29             | 0.00068               | PASS    |
|           |           |                      |              |            | 0          | 0.11             | 0.00006               | PASS    |
|           |           |                      |              |            | 10         | -1.53            | -0.0008               | PASS    |
|           |           |                      |              |            | 20         | 0.70             | 0.00037               | PASS    |
|           |           |                      |              |            | 30         | 0.56             | 0.00029               | PASS    |
|           |           |                      |              |            | 40         | 0.69             | 0.00036               | PASS    |
|           |           |                      |              |            | 50         | 0.74             | 0.00039               | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -3.73            | -0.00201              | PASS    |
|           |           |                      |              |            | -20        | -1.87            | -0.00101              | PASS    |
|           |           |                      |              |            | -10        | -2.69            | -0.00145              | PASS    |
|           |           |                      |              |            | 0          | -1.90            | -0.00102              | PASS    |
|           |           |                      |              |            | 10         | -2.90            | -0.00156              | PASS    |
|           |           |                      |              |            | 20         | -3.03            | -0.00163              | PASS    |
|           |           |                      |              |            | 30         | -2.05            | -0.00111              | PASS    |
|           |           |                      |              |            | 40         | -1.92            | -0.00104              | PASS    |
|           |           |                      |              |            | 50         | -2.00            | -0.00108              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.00            | -0.0016               | PASS    |
|           |           |                      |              |            | -20        | -3.29            | -0.00175              | PASS    |
|           |           |                      |              |            | -10        | -3.85            | -0.00205              | PASS    |
|           |           |                      |              |            | 0          | -3.06            | -0.00163              | PASS    |
|           |           |                      |              |            | 10         | -2.56            | -0.00136              | PASS    |
|           |           |                      |              |            | 20         | -2.98            | -0.00159              | PASS    |
|           |           |                      |              |            | 30         | -3.09            | -0.00164              | PASS    |
|           |           |                      |              |            | 40         | -3.10            | -0.00165              | PASS    |
|           |           |                      |              |            | 50         | -3.20            | -0.0017               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 1.49             | 0.00078               | PASS    |
|           |           |                      |              |            | -20        | 0.69             | 0.00036               | PASS    |
|           |           |                      |              |            | -10        | 1.27             | 0.00067               | PASS    |
|           |           |                      |              |            | 0          | 0.90             | 0.00047               | PASS    |
|           |           |                      |              |            | 10         | 0.76             | 0.0004                | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20         | 1.30             | 0.00068               | PASS    |
|           |           |                      |              |            | 30         | 0.69             | 0.00036               | PASS    |
|           |           |                      |              |            | 40         | 1.99             | 0.00104               | PASS    |
|           |           |                      |              |            | 50         | 1.40             | 0.00073               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -3.22            | -0.00173              | PASS    |
|           |           |                      |              |            | -20        | -4.16            | -0.00224              | PASS    |
|           |           |                      |              |            | -10        | -4.51            | -0.00243              | PASS    |
|           |           |                      |              |            | 0          | -3.71            | -0.002                | PASS    |
|           |           |                      |              |            | 10         | -3.95            | -0.00213              | PASS    |
|           |           |                      |              |            | 20         | -4.46            | -0.0024               | PASS    |
|           |           |                      |              |            | 30         | -3.59            | -0.00193              | PASS    |
|           |           |                      |              |            | 40         | -4.65            | -0.0025               | PASS    |
|           |           |                      |              |            | 50         | -4.06            | -0.00219              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.05            | -0.00162              | PASS    |
|           |           |                      |              |            | -20        | -3.39            | -0.0018               | PASS    |
|           |           |                      |              |            | -10        | -3.19            | -0.0017               | PASS    |
|           |           |                      |              |            | 0          | -4.73            | -0.00252              | PASS    |
|           |           |                      |              |            | 10         | -3.25            | -0.00173              | PASS    |
|           |           |                      |              |            | 20         | -3.71            | -0.00197              | PASS    |
|           |           |                      |              |            | 30         | -4.39            | -0.00234              | PASS    |
|           |           |                      |              |            | 40         | -3.10            | -0.00165              | PASS    |
|           |           |                      |              |            | 50         | -3.16            | -0.00168              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -3.16            | -0.00166              | PASS    |
|           |           |                      |              |            | -20        | -4.38            | -0.0023               | PASS    |
|           |           |                      |              |            | -10        | -4.23            | -0.00222              | PASS    |
|           |           |                      |              |            | 0          | -3.68            | -0.00193              | PASS    |
|           |           |                      |              |            | 10         | -3.45            | -0.00181              | PASS    |
|           |           |                      |              |            | 20         | -4.28            | -0.00225              | PASS    |
|           |           |                      |              |            | 30         | -4.73            | -0.00249              | PASS    |
|           |           |                      |              |            | 40         | -2.68            | -0.00141              | PASS    |
|           |           |                      |              |            | 50         | -4.69            | -0.00247              | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | 1.79             | 0.00096               | PASS    |
|           |           |                      |              |            | -20        | 1.67             | 0.0009                | PASS    |
|           |           |                      |              |            | -10        | 1.27             | 0.00068               | PASS    |
|           |           |                      |              |            | 0          | 1.96             | 0.00105               | PASS    |
|           |           |                      |              |            | 10         | 2.85             | 0.00153               | PASS    |
|           |           |                      |              |            | 20         | 2.56             | 0.00138               | PASS    |
|           |           |                      |              |            | 30         | 1.37             | 0.00074               | PASS    |
|           |           |                      |              |            | 40         | 2.82             | 0.00152               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | MCH          | VN         | 50         | 8.74             | 0.0047                | PASS    |
|           |           |                      |              |            | -30        | -3.35            | -0.00178              | PASS    |
|           |           |                      |              |            | -20        | -3.71            | -0.00197              | PASS    |
|           |           |                      |              |            | -10        | -3.28            | -0.00174              | PASS    |
|           |           |                      |              |            | 0          | -3.13            | -0.00166              | PASS    |
|           |           |                      |              |            | 10         | -3.65            | -0.00194              | PASS    |
|           |           |                      |              |            | 20         | -2.26            | -0.0012               | PASS    |
|           |           |                      |              |            | 30         | -4.48            | -0.00238              | PASS    |
|           |           |                      |              |            | 40         | -4.08            | -0.00217              | PASS    |
|           |           |                      |              |            | 50         | -3.42            | -0.00182              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.54            | -0.00081              | PASS    |
|           |           |                      |              |            | -20        | -3.12            | -0.00164              | PASS    |
|           |           |                      |              |            | -10        | -2.86            | -0.00151              | PASS    |
|           |           |                      |              |            | 0          | -2.80            | -0.00147              | PASS    |
|           |           |                      |              |            | 10         | -2.39            | -0.00126              | PASS    |
|           |           |                      |              |            | 20         | -3.28            | -0.00173              | PASS    |
|           |           |                      |              |            | 30         | -2.79            | -0.00147              | PASS    |
|           |           |                      |              |            | 40         | -1.33            | -0.0007               | PASS    |
|           |           |                      |              |            | 50         | -2.90            | -0.00153              | PASS    |

END