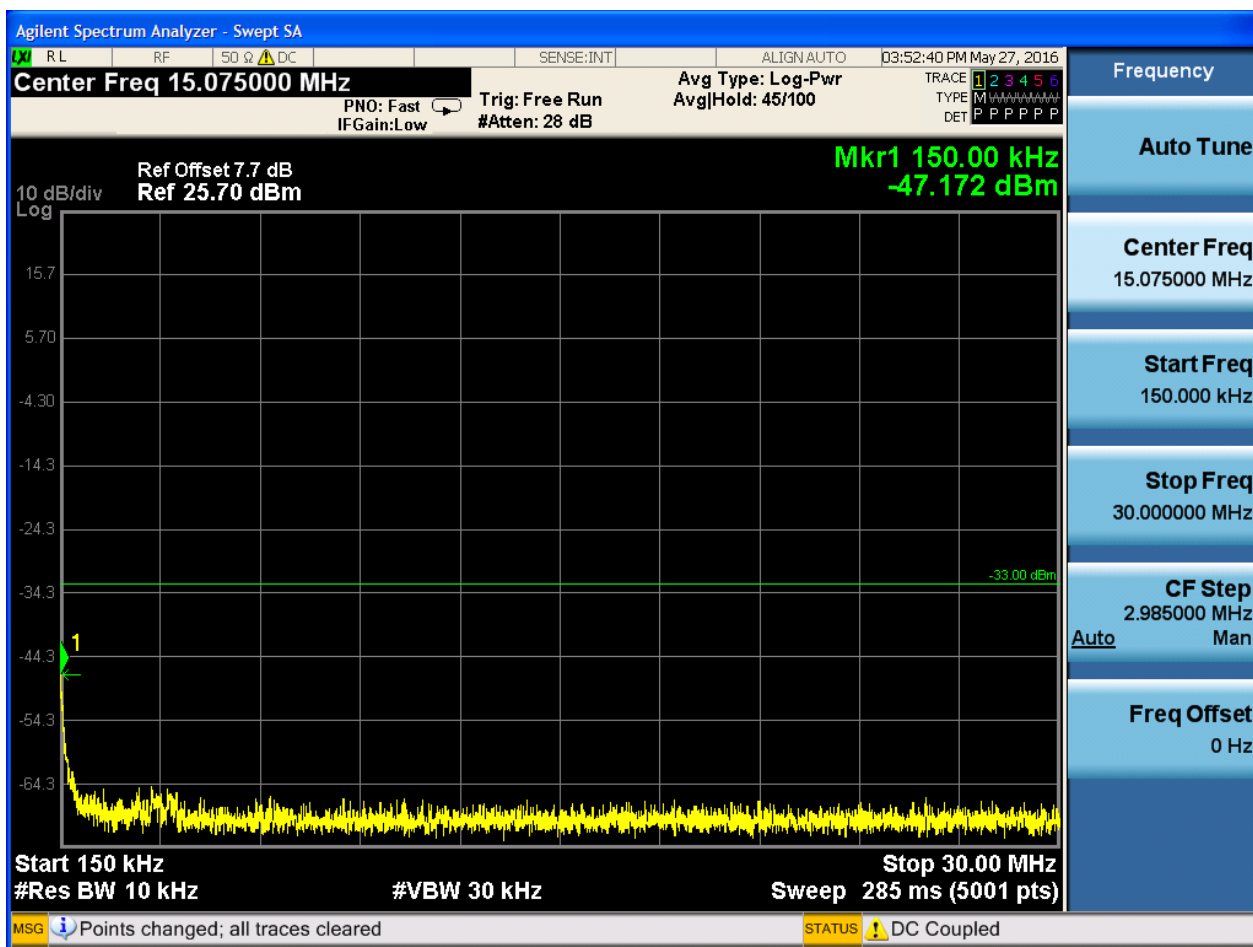
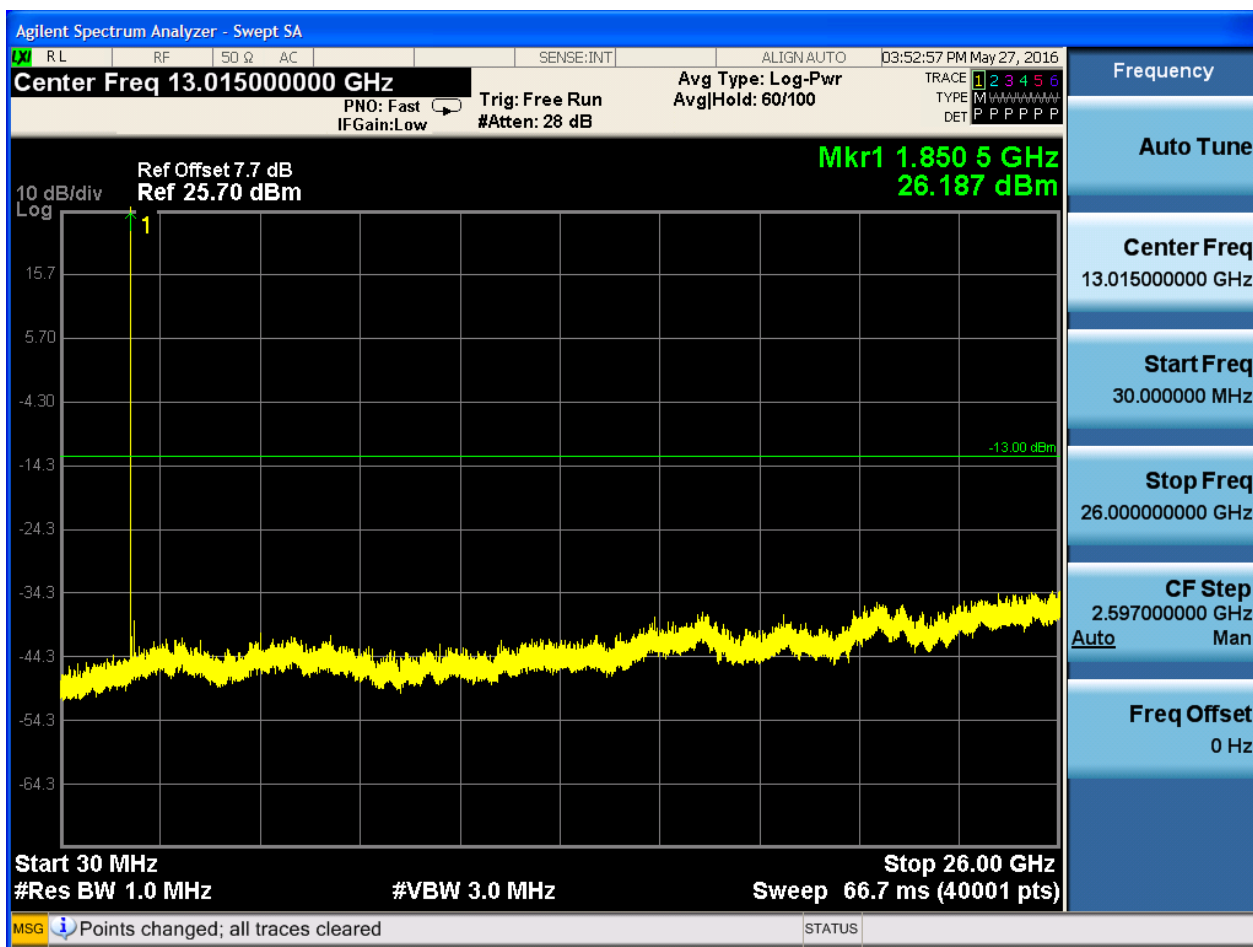
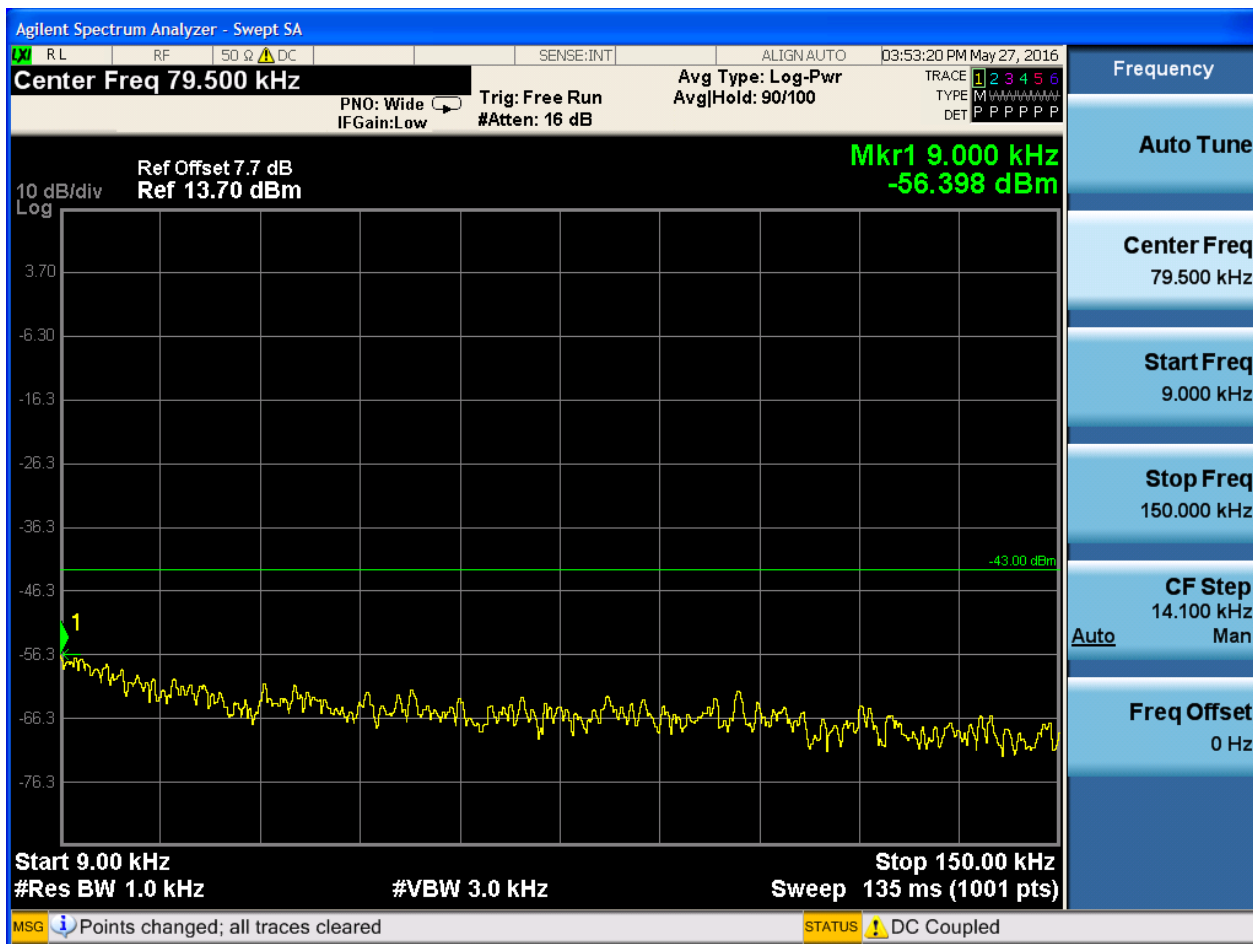


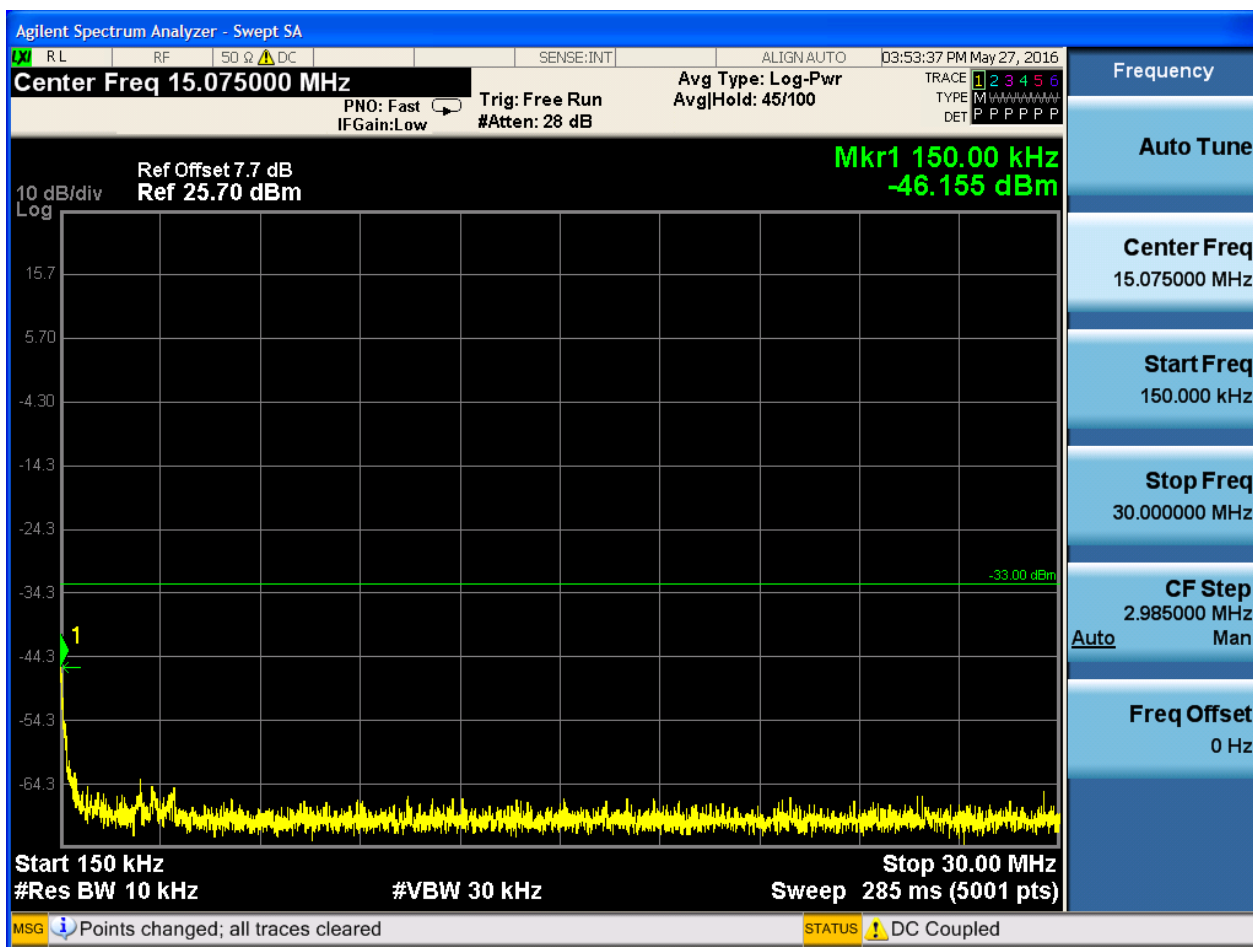


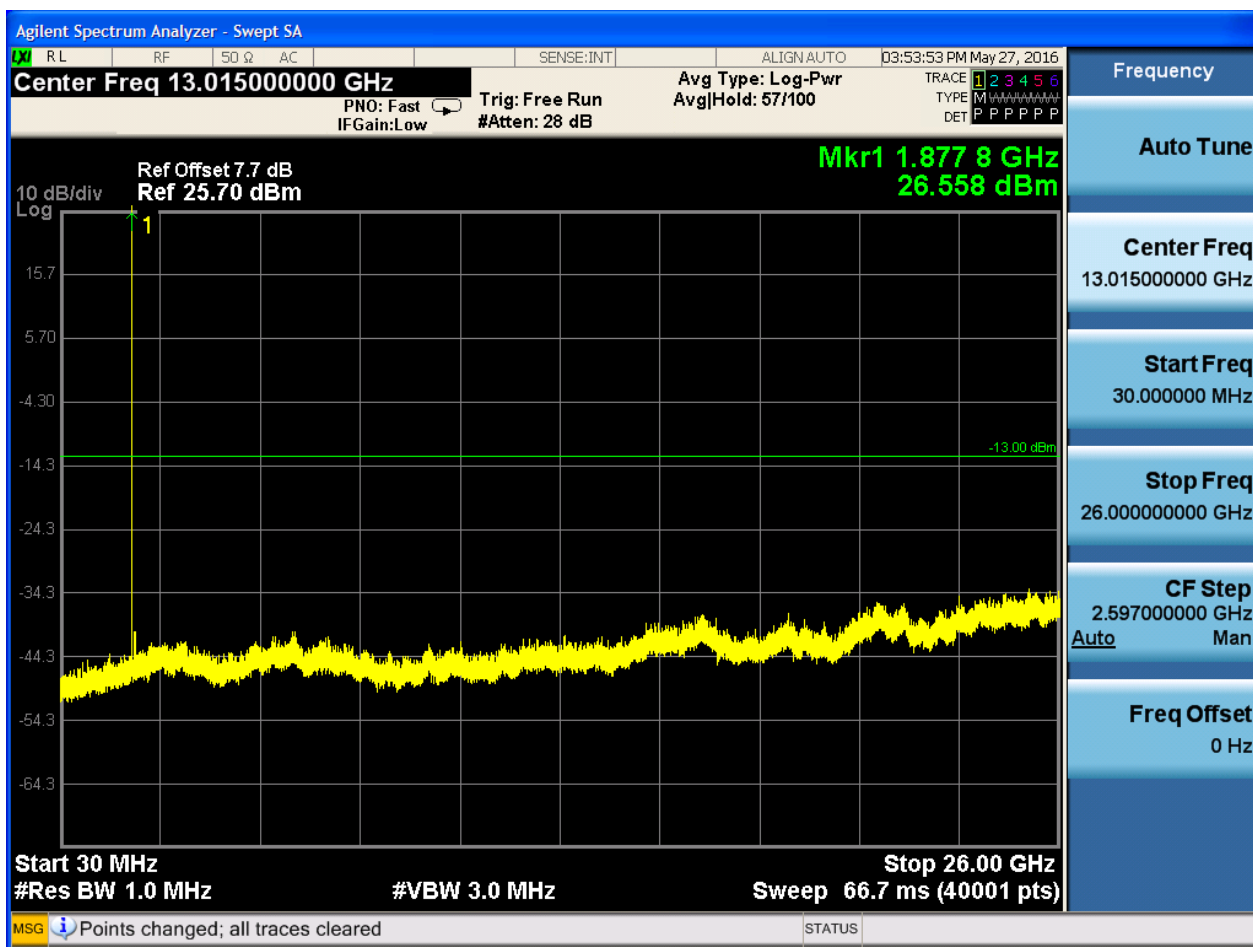


### 6.1.1.2.3.2 Test Channel = MCH

#### 6.1.1.2.3.2.1 Test RB = RB1#0



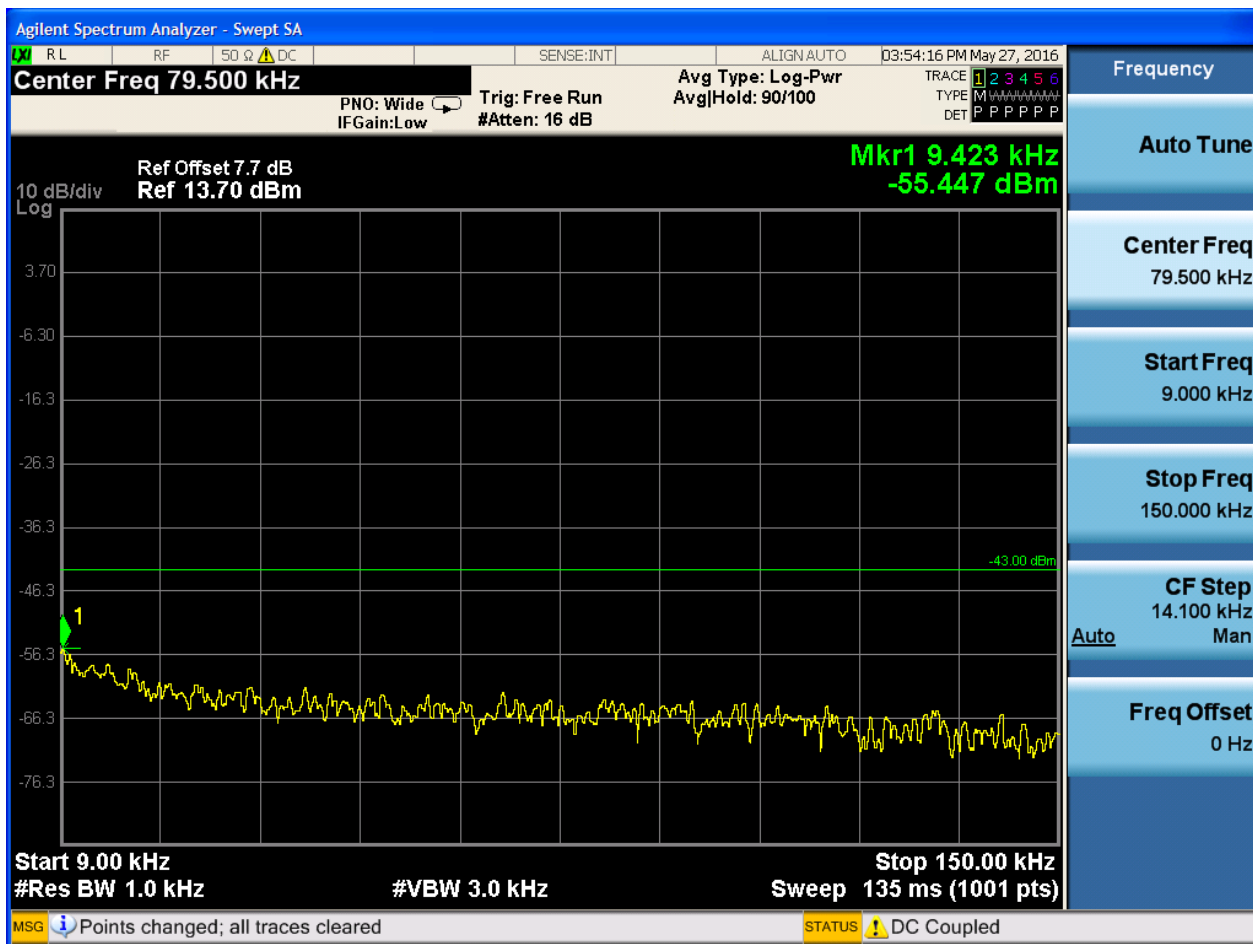


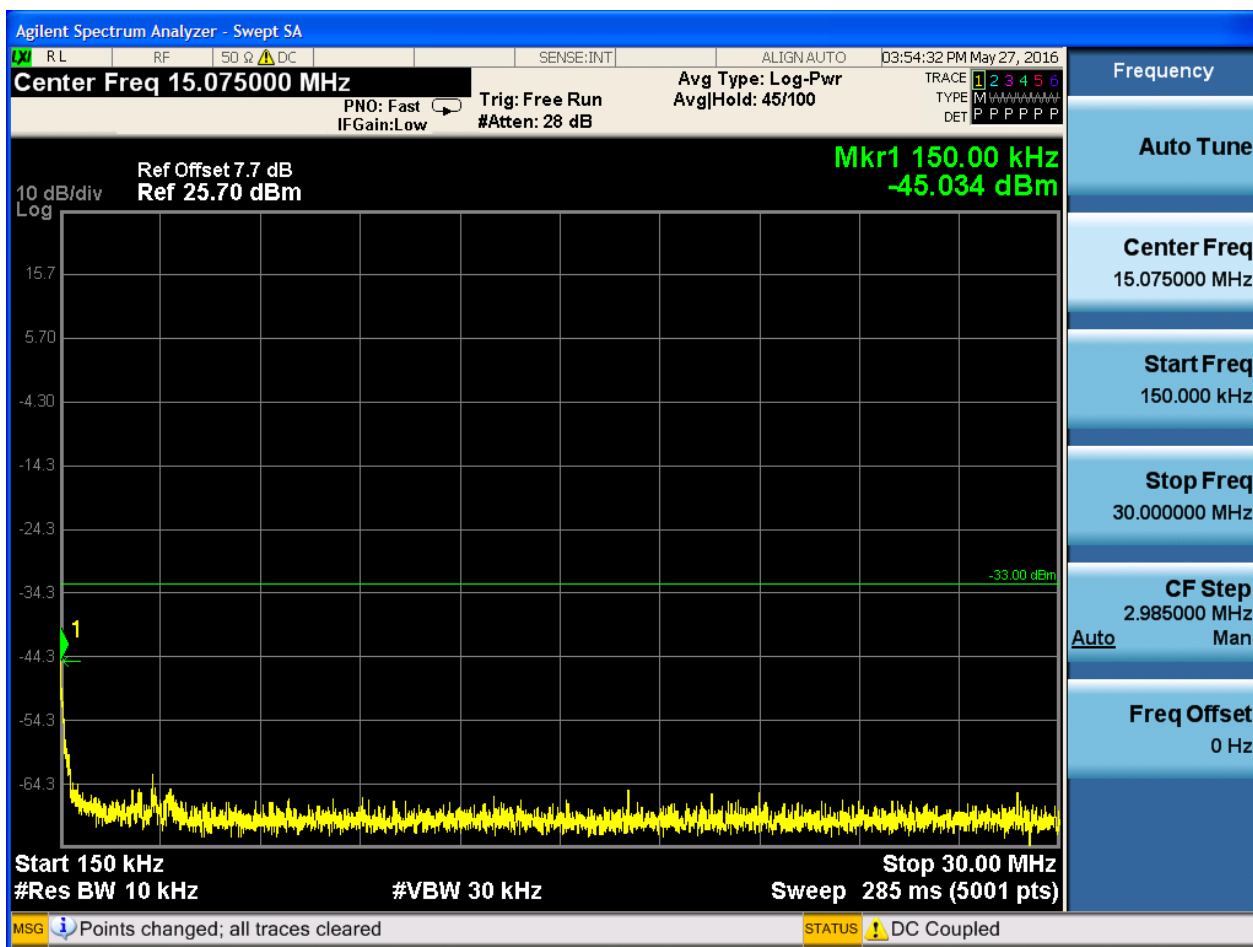


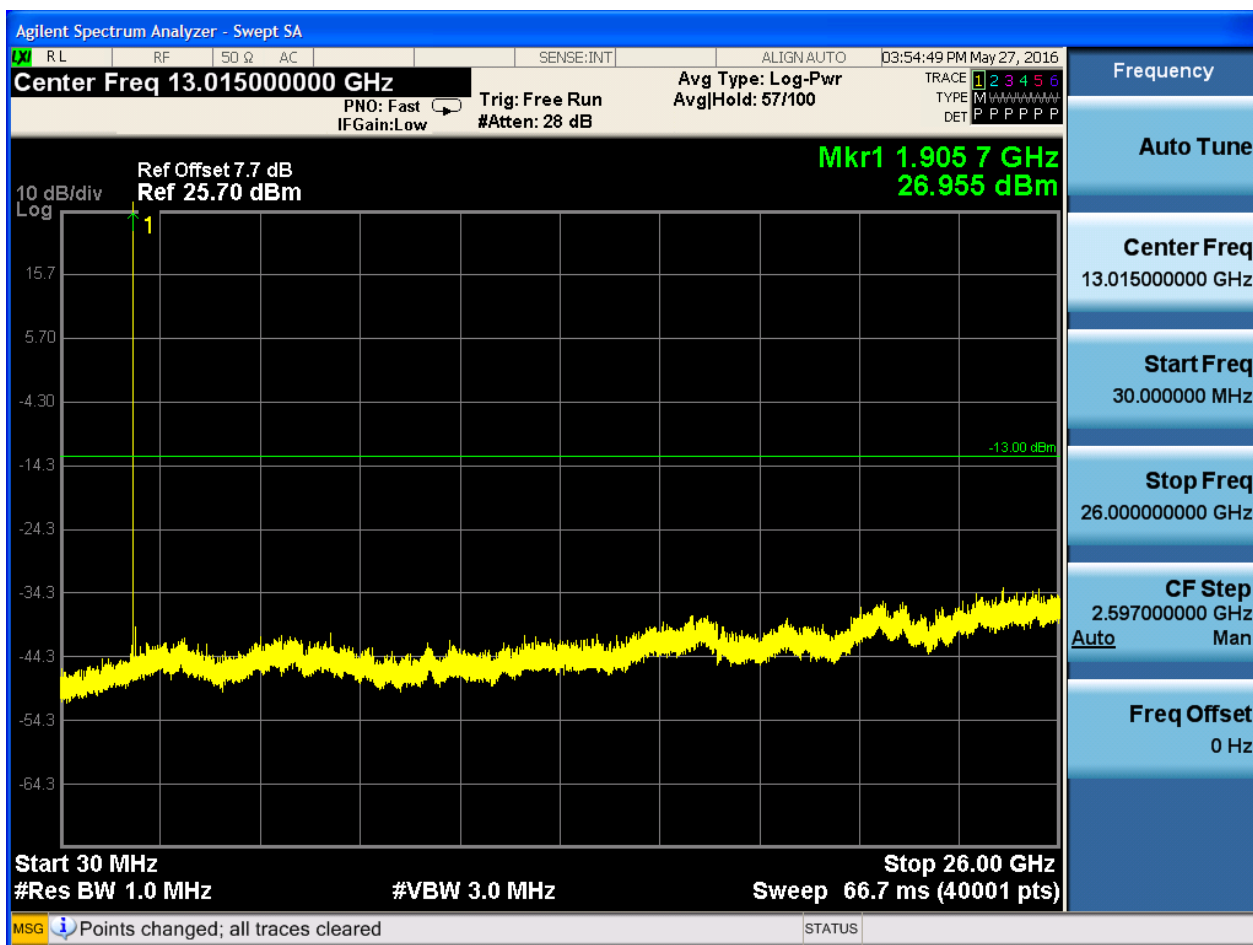


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0



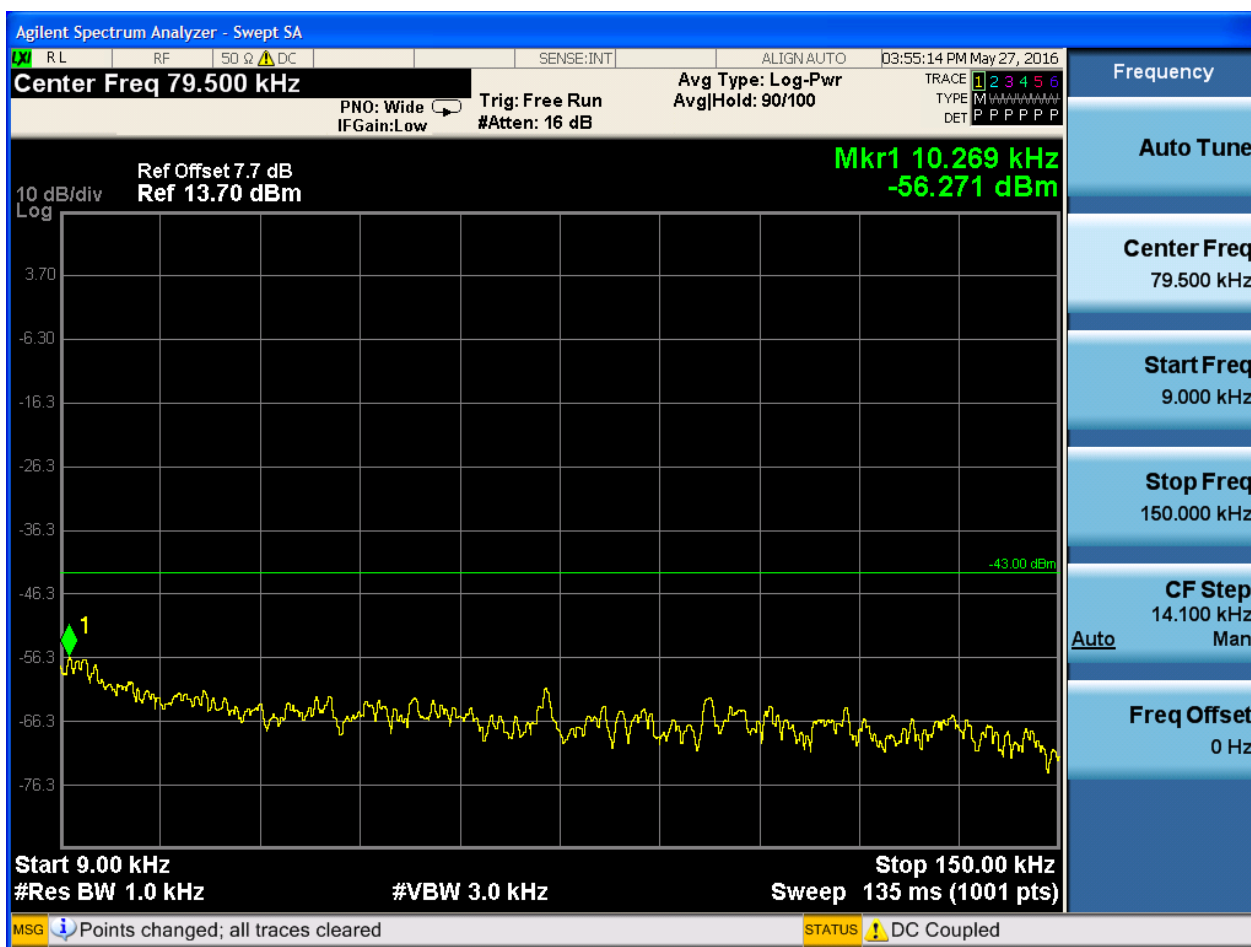


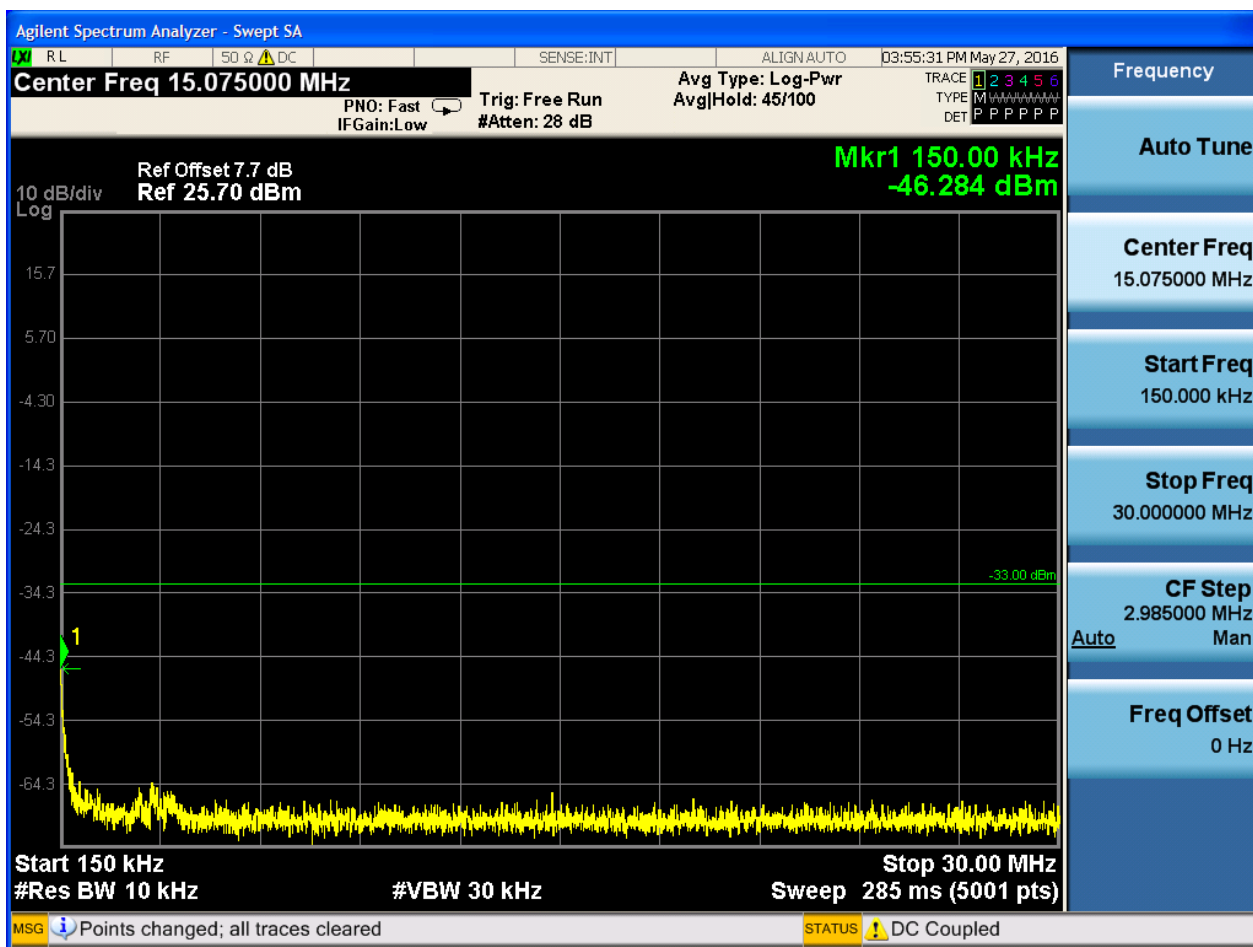


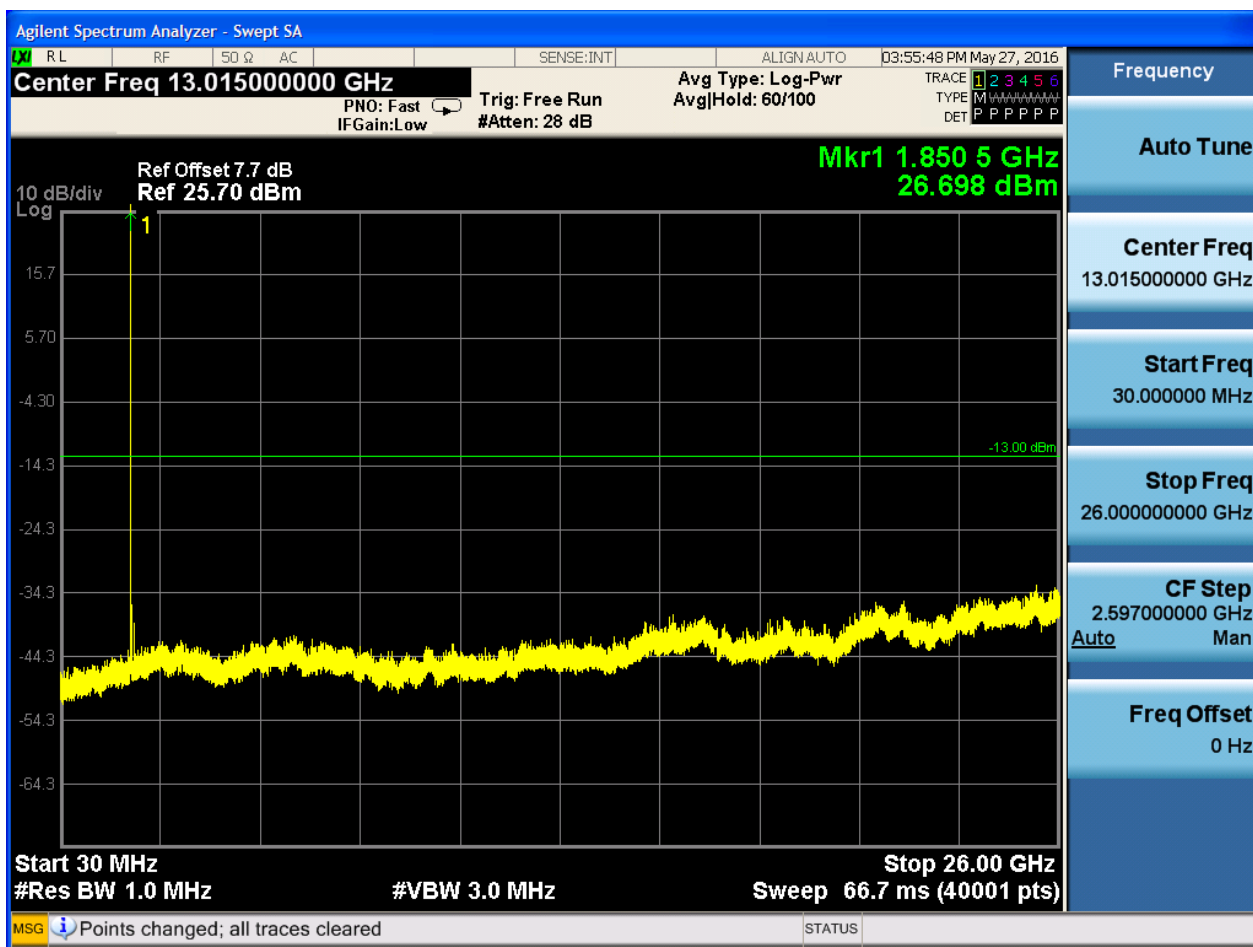
#### 6.1.1.2.4 Test Bandwidth = 10

##### 6.1.1.2.4.1 Test Channel = LCH

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

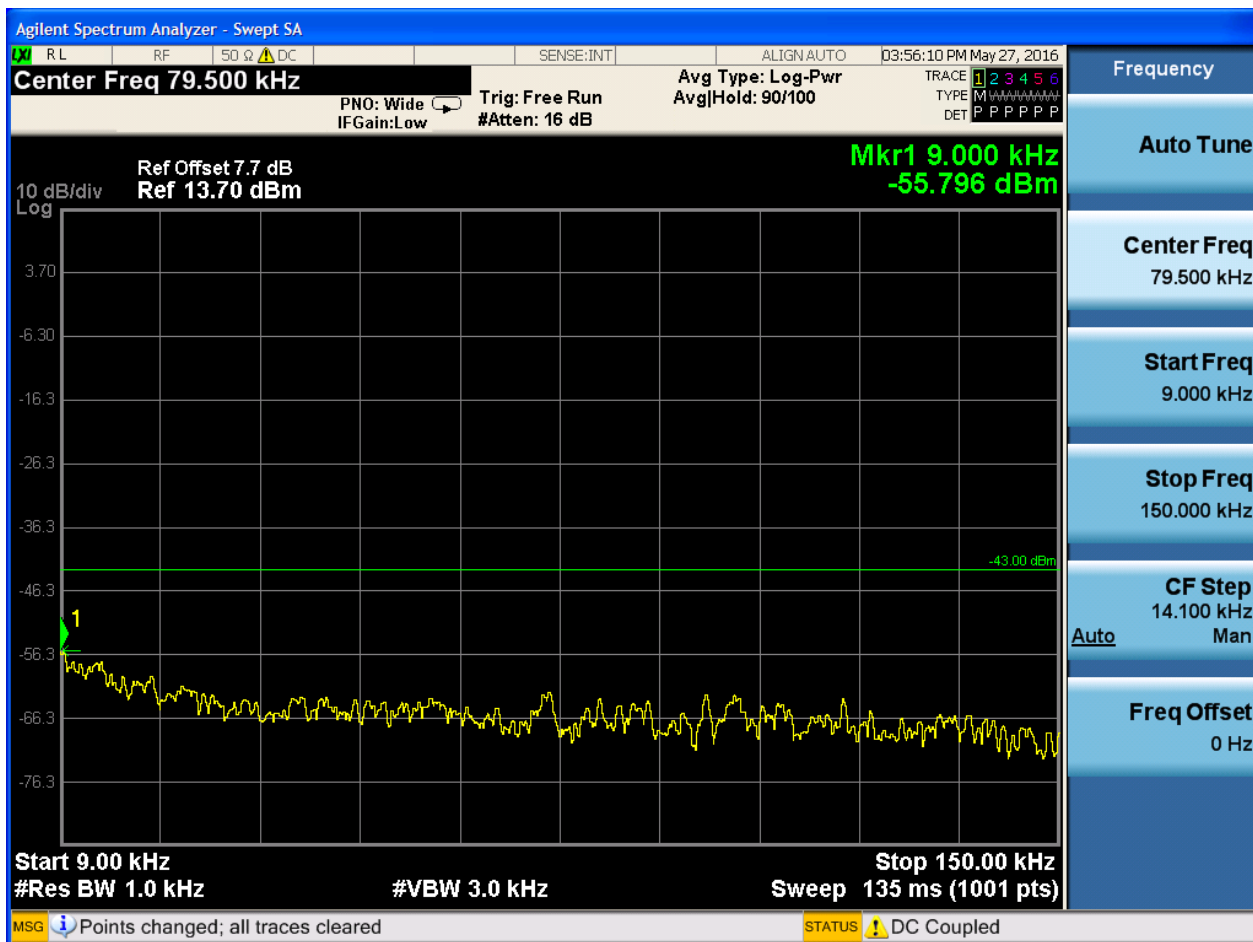


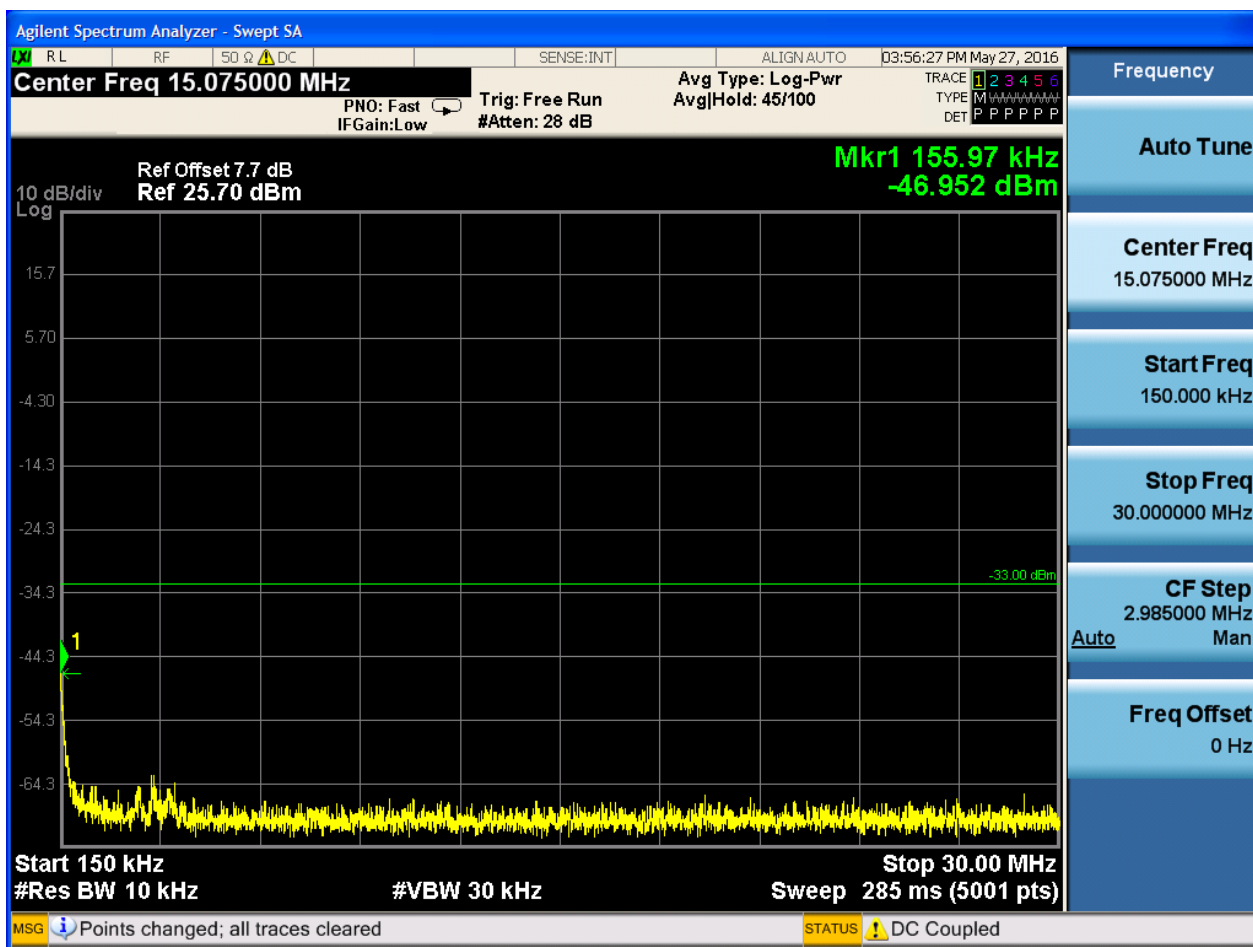


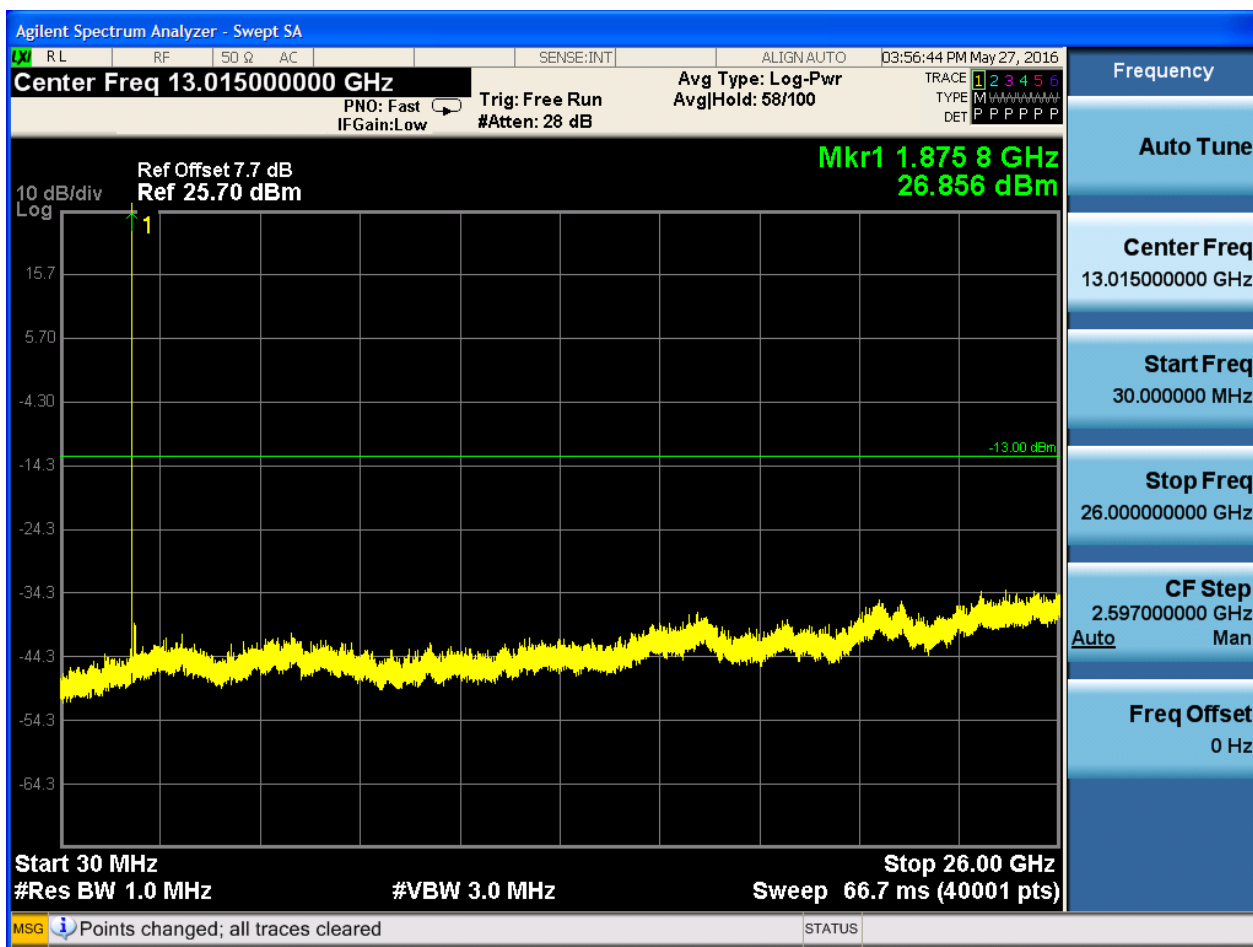


#### 6.1.1.2.4.2 Test Channel = MCH

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

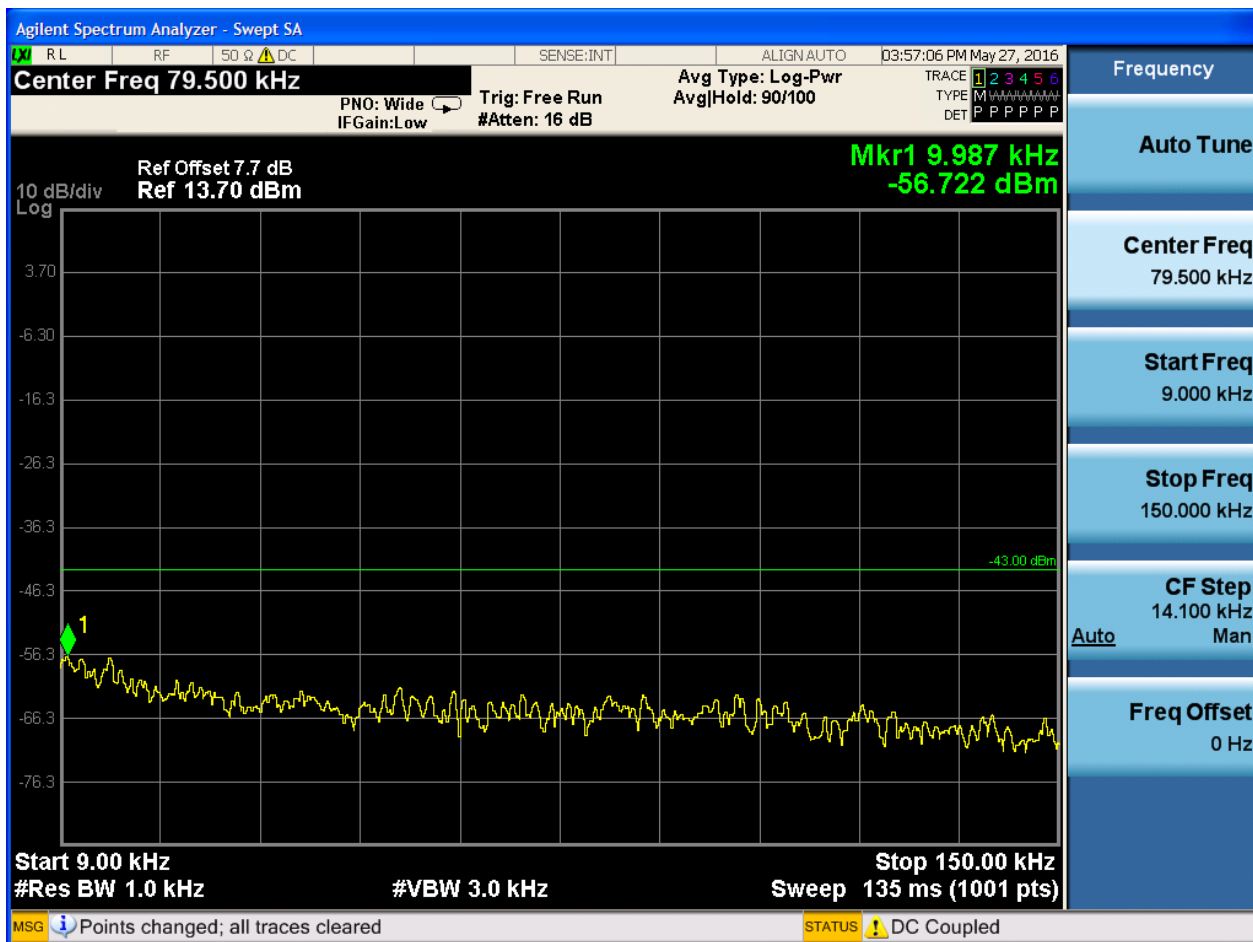


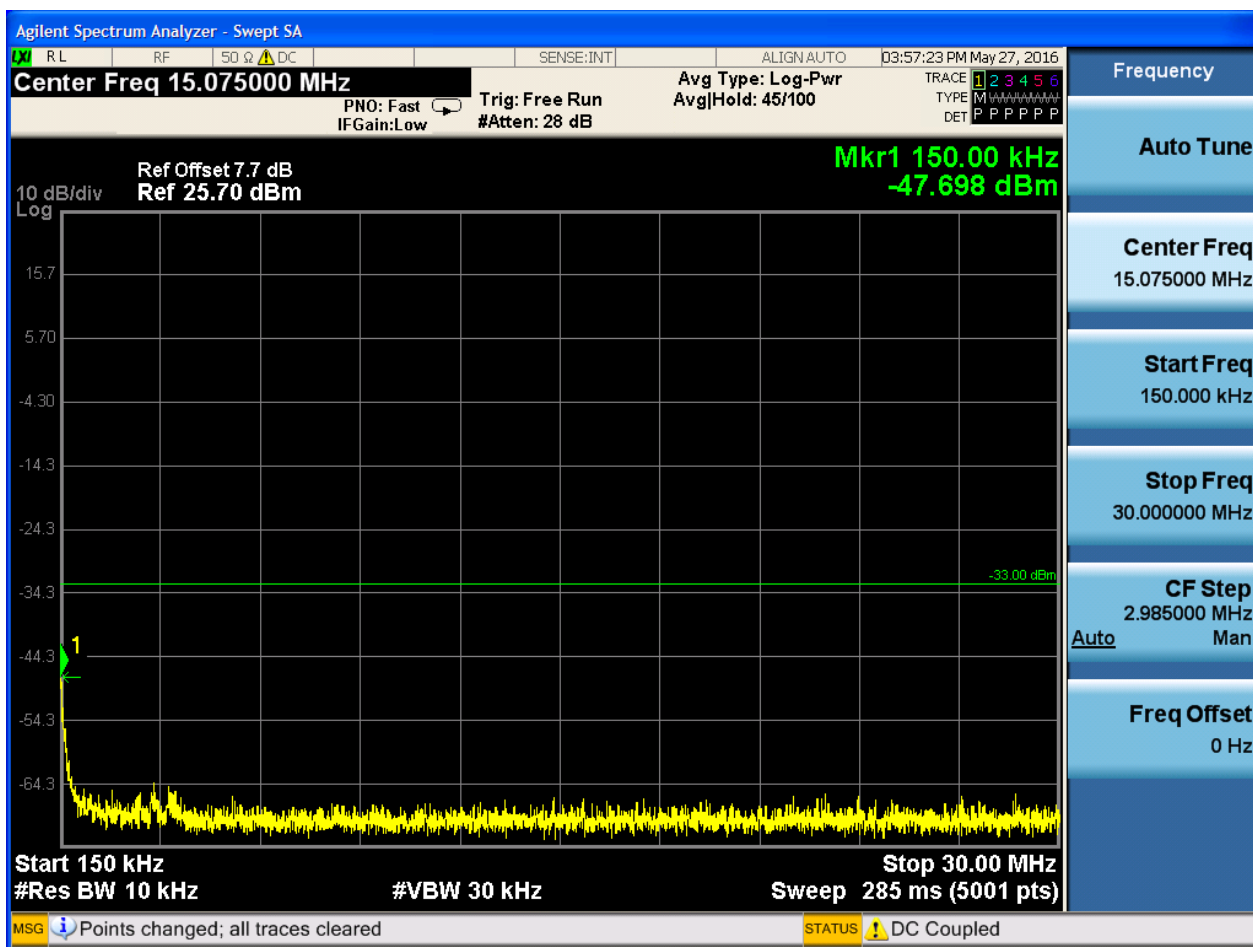


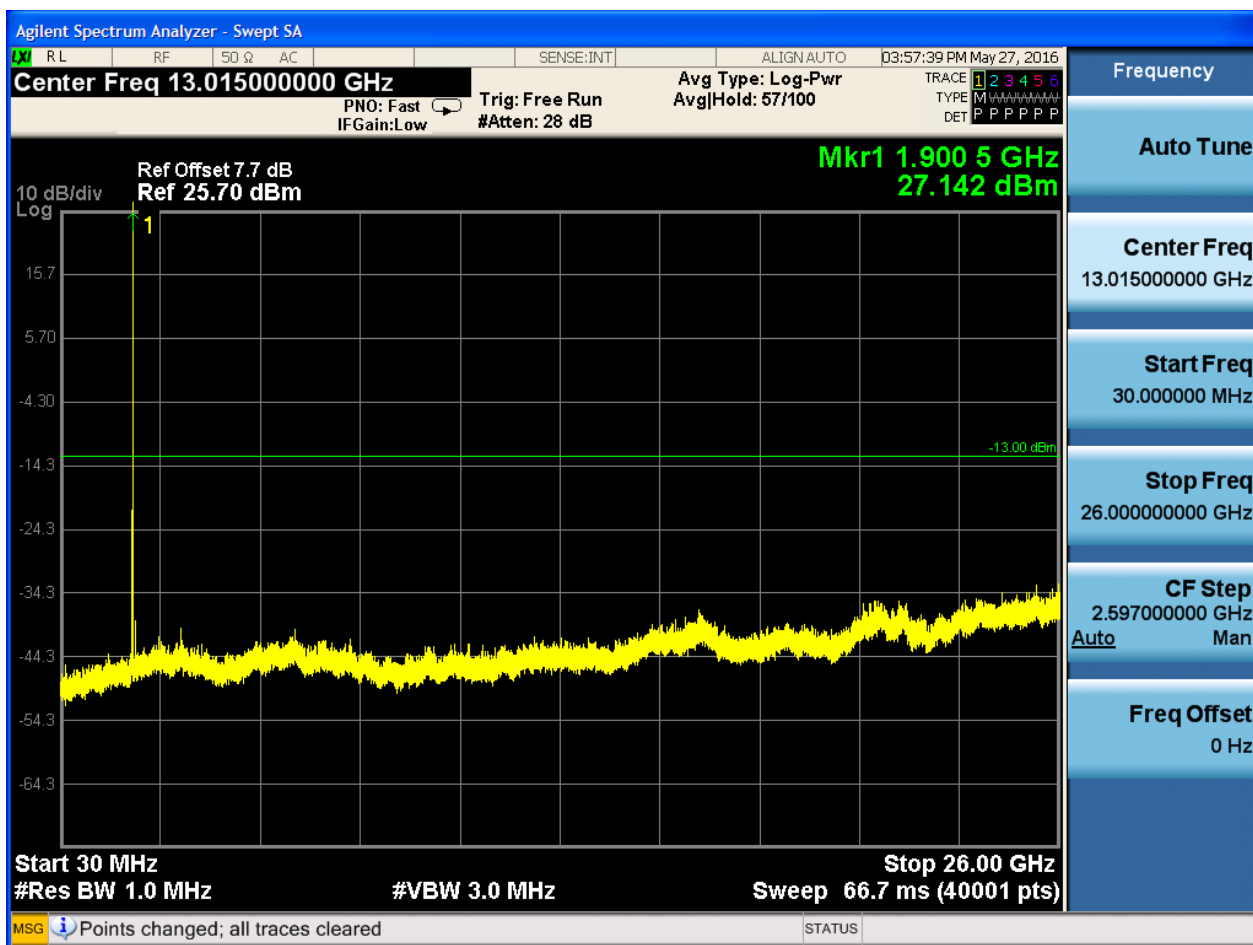


### 6.1.1.2.4.3 Test Channel = HCH

#### 6.1.1.2.4.3.1 Test RB = RB1#0



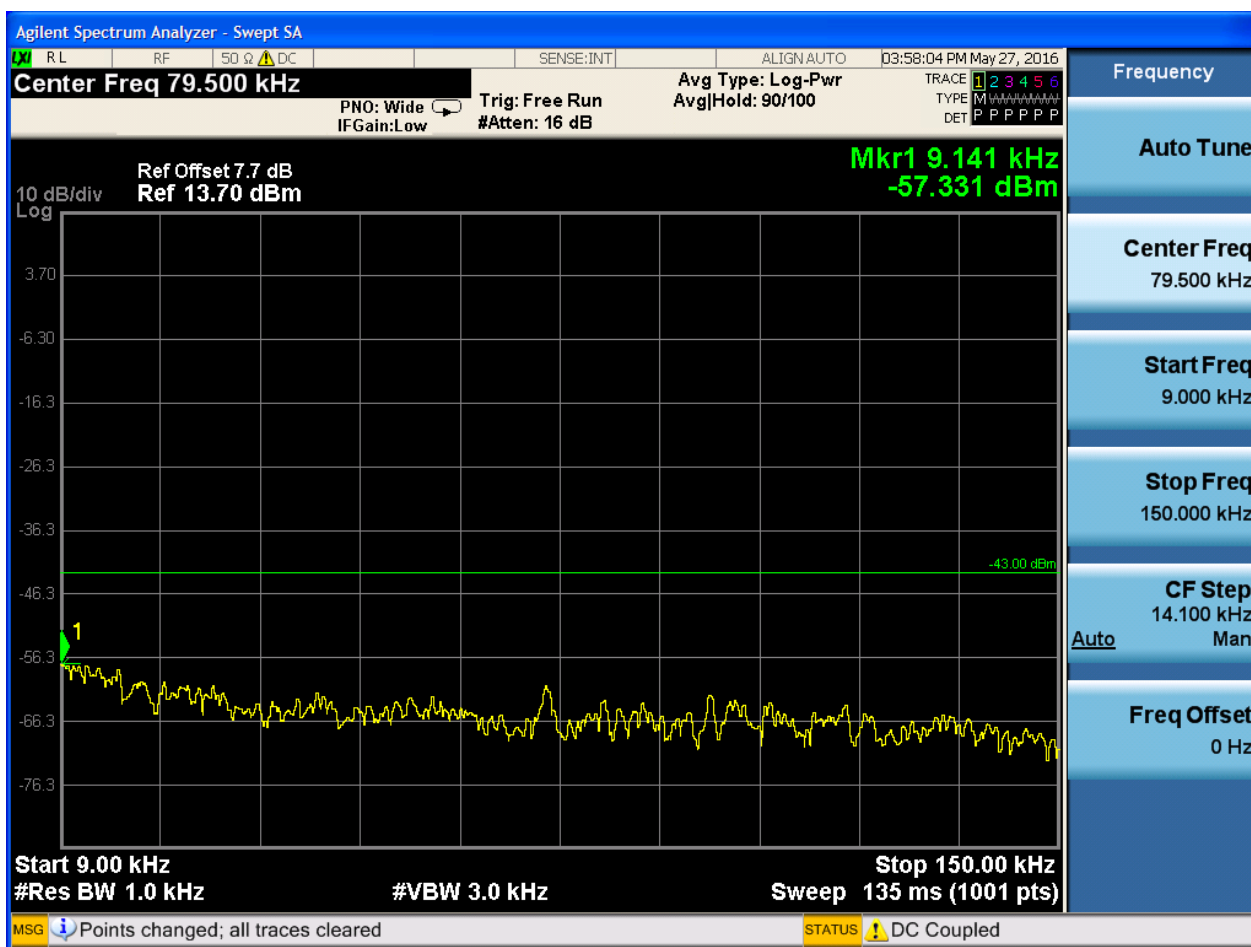


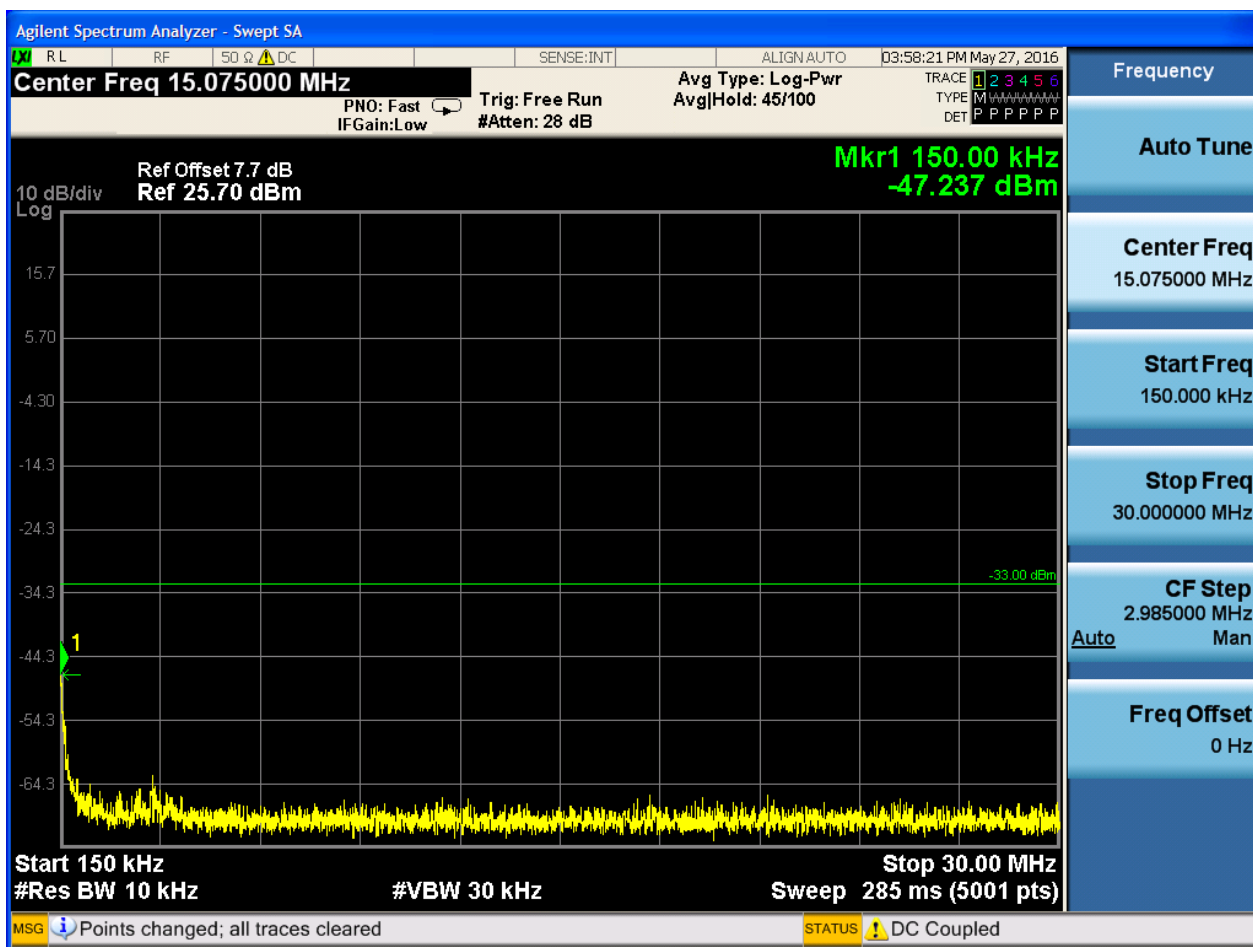


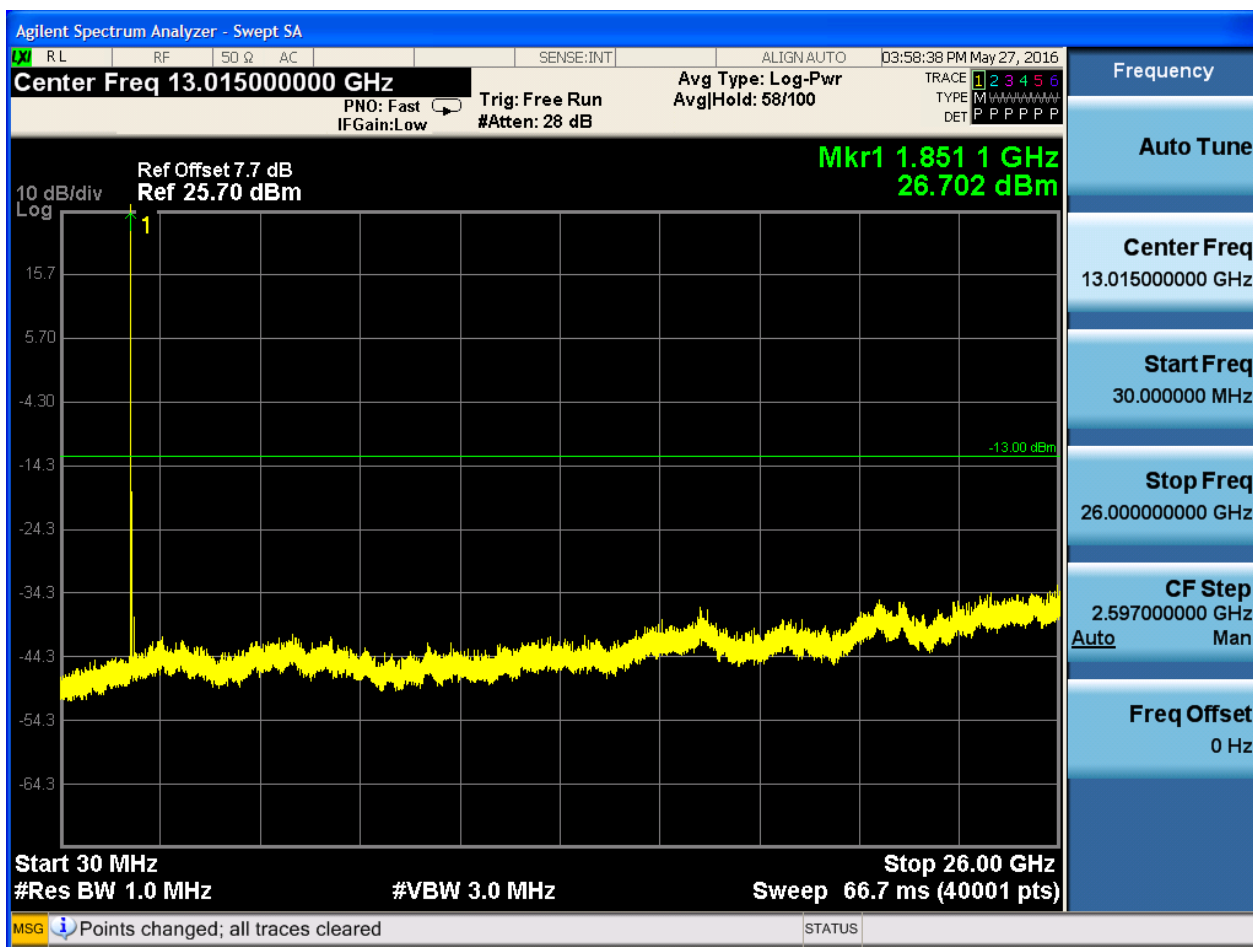
### 6.1.1.2.5 Test Bandwidth = 15

#### 6.1.1.2.5.1 Test Channel = LCH

##### 6.1.1.2.5.1.1 Test RB = RB1#0



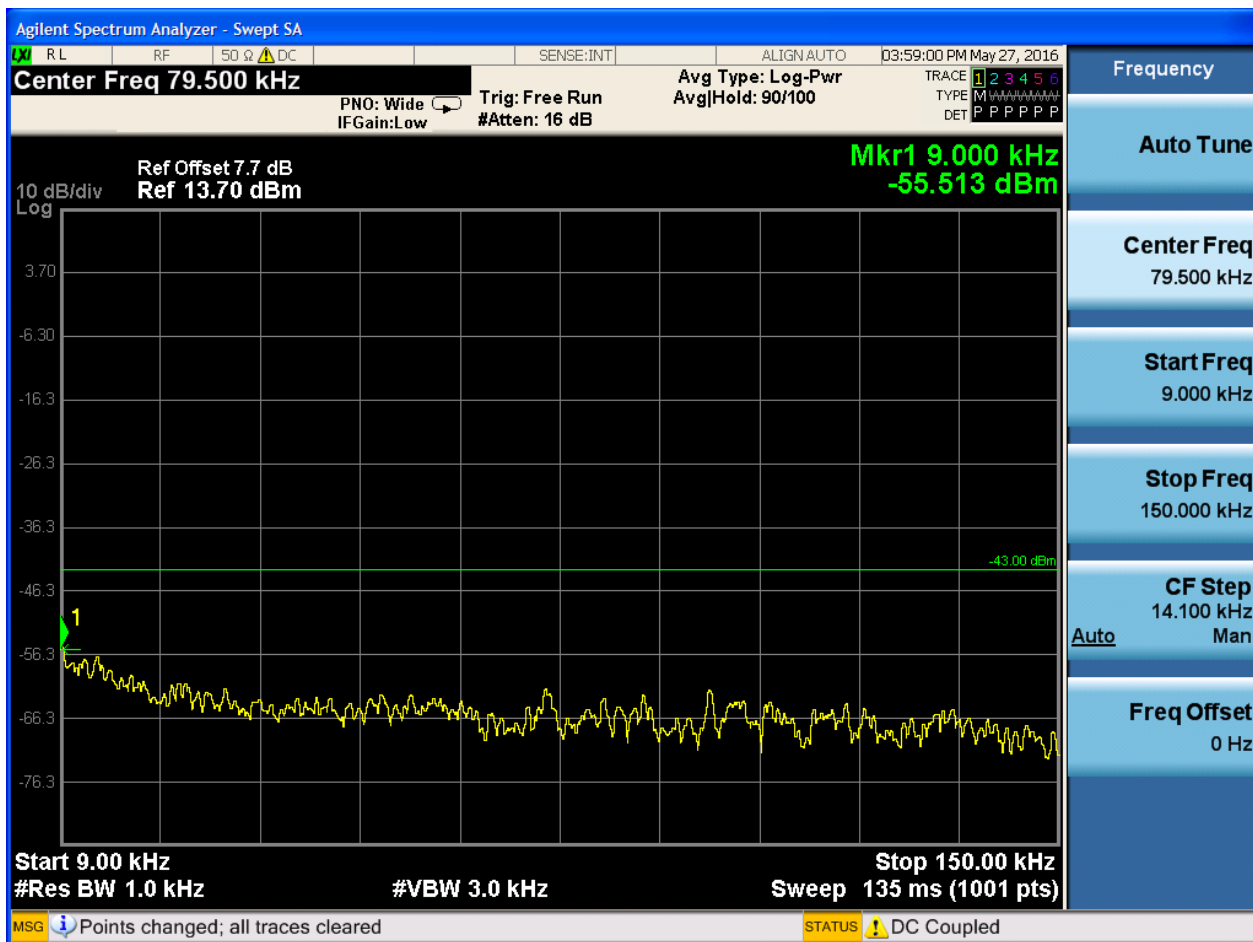


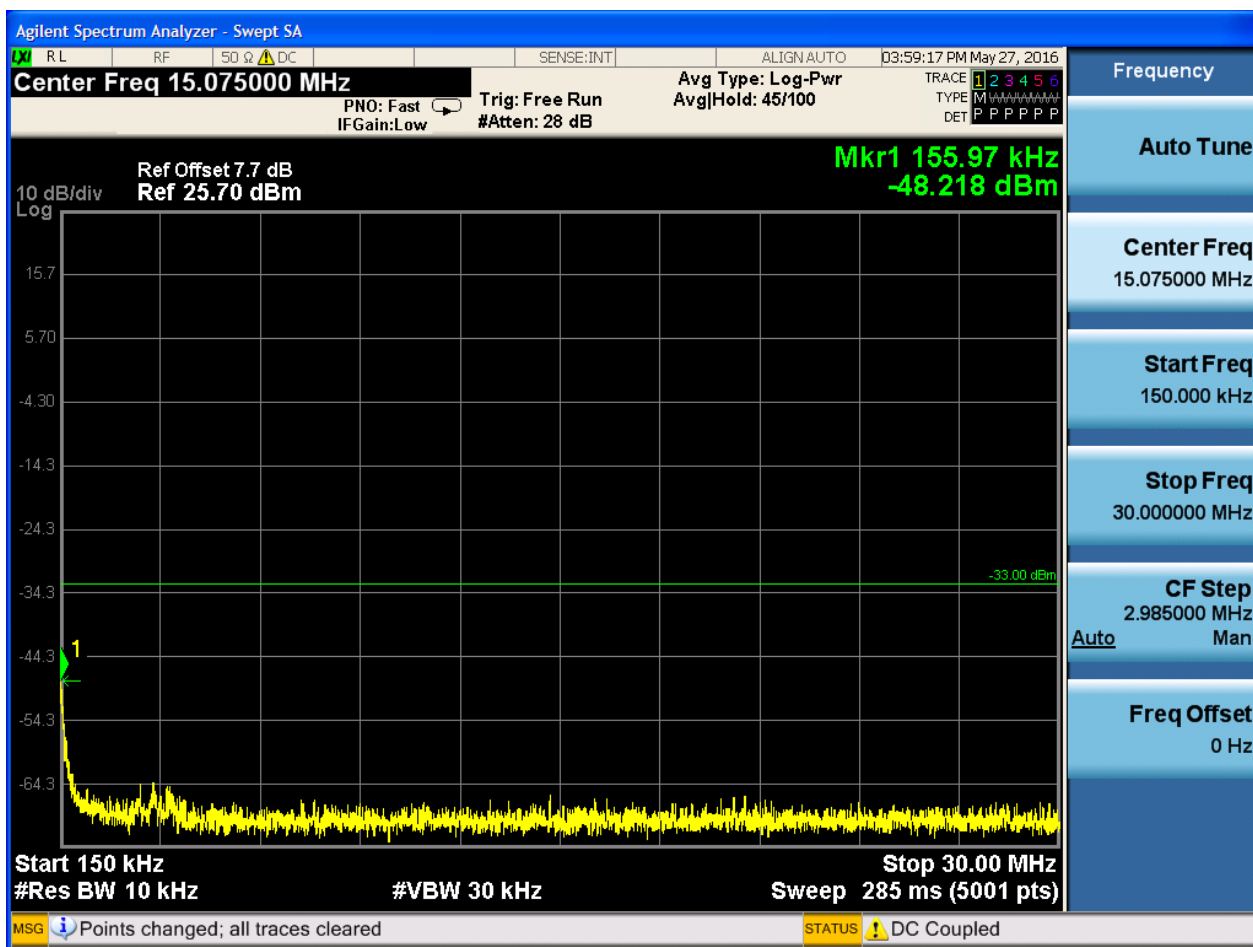


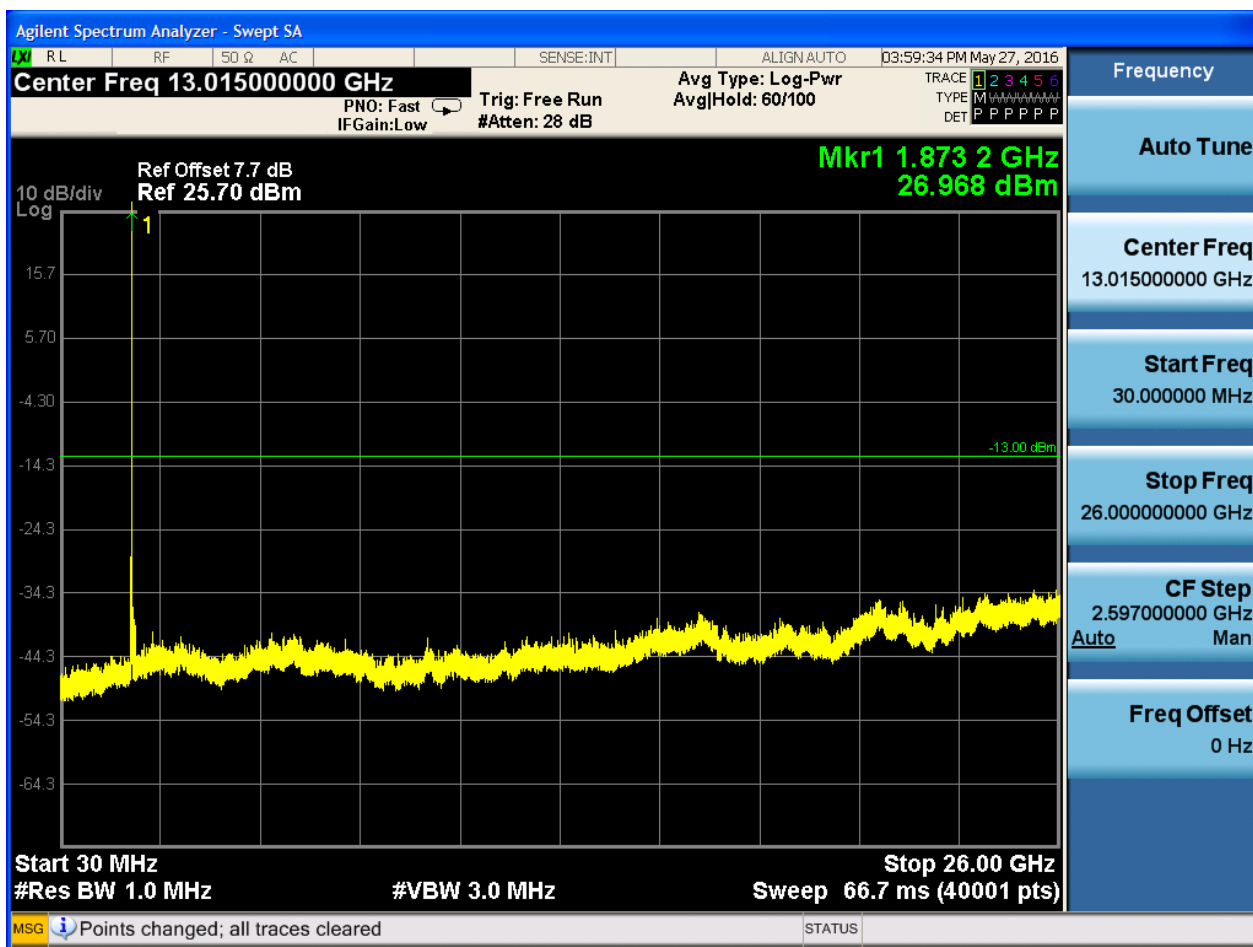


## 6.1.1.2.5.2 Test Channel = MCH

## 6.1.1.2.5.2.1 Test RB = RB1#0

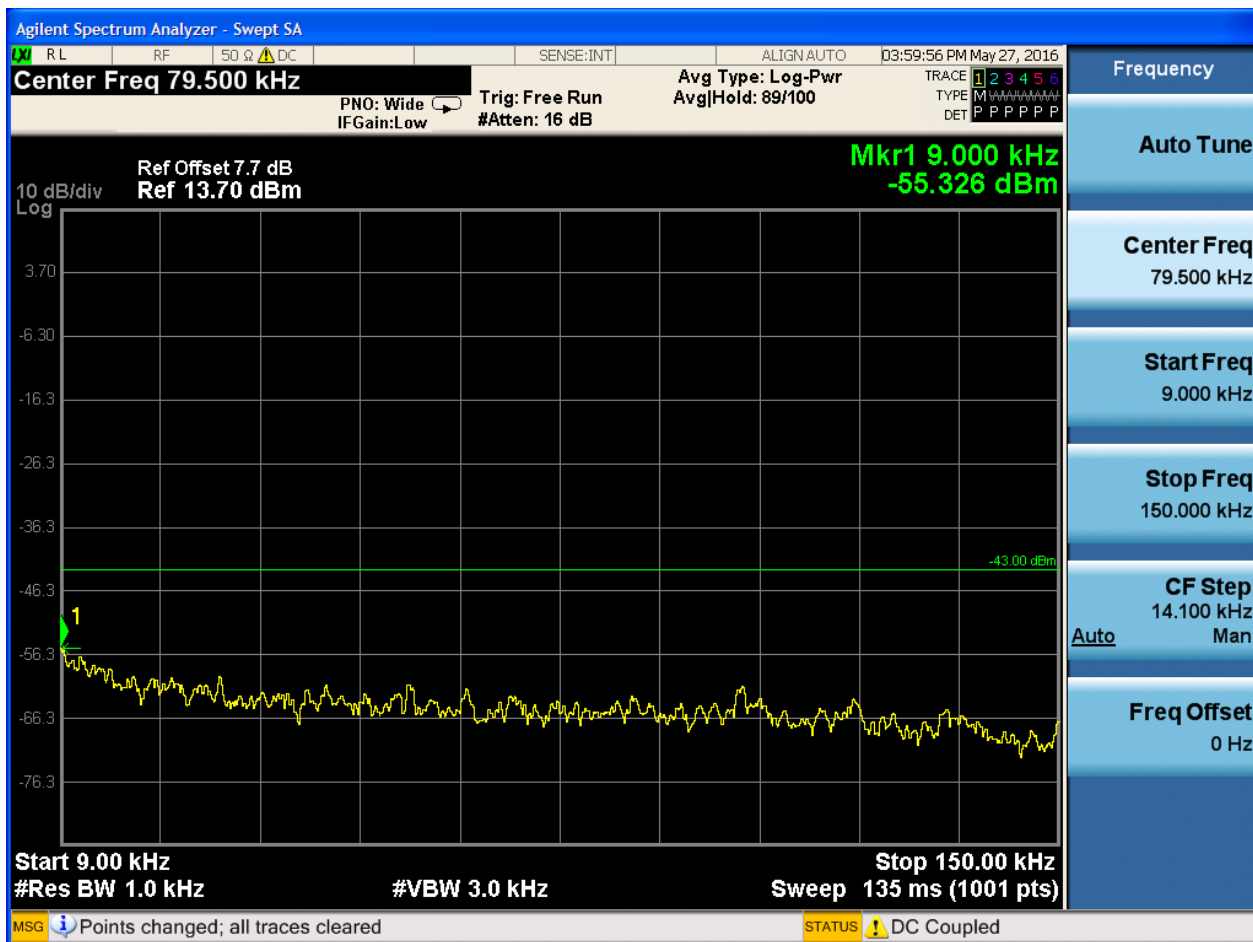


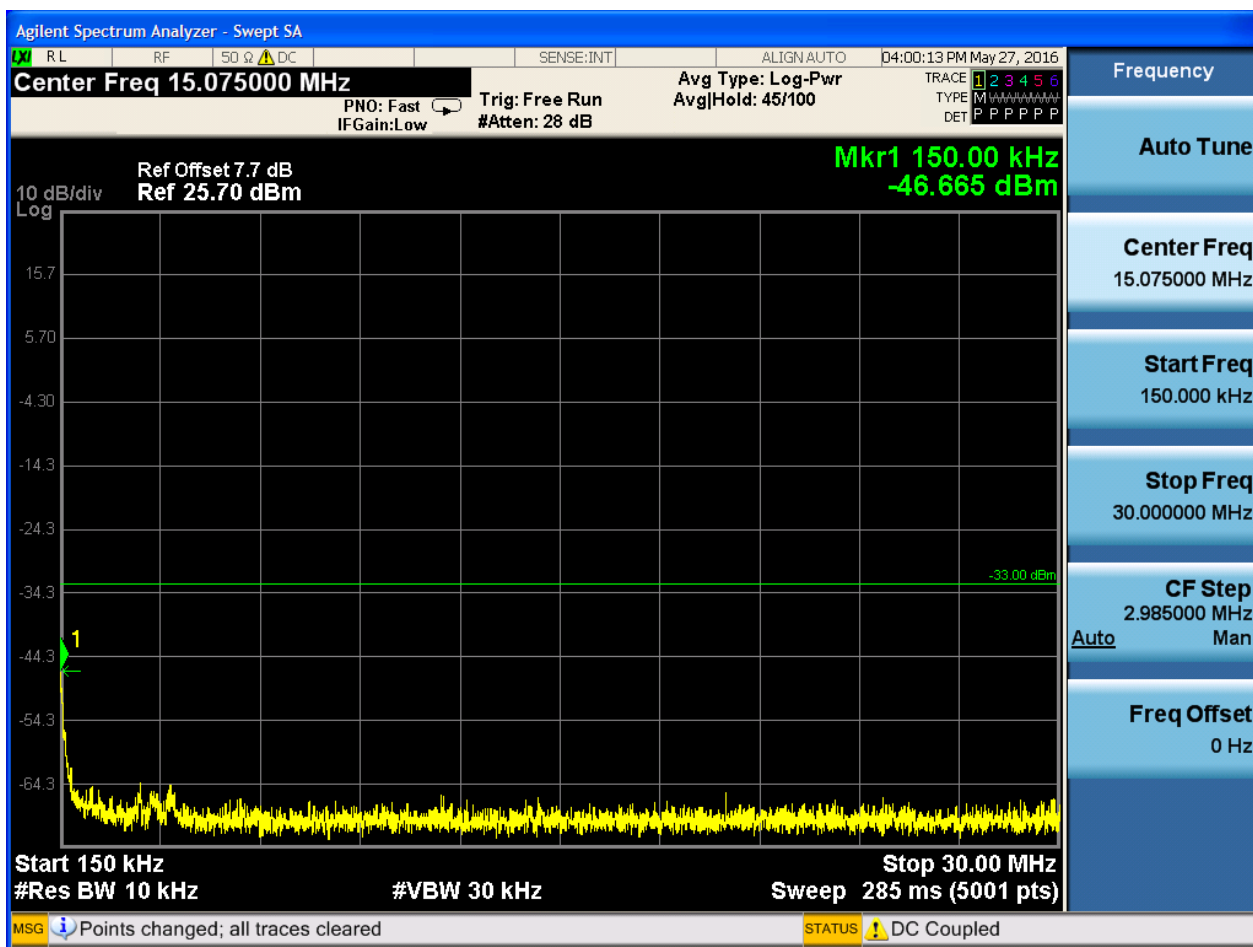


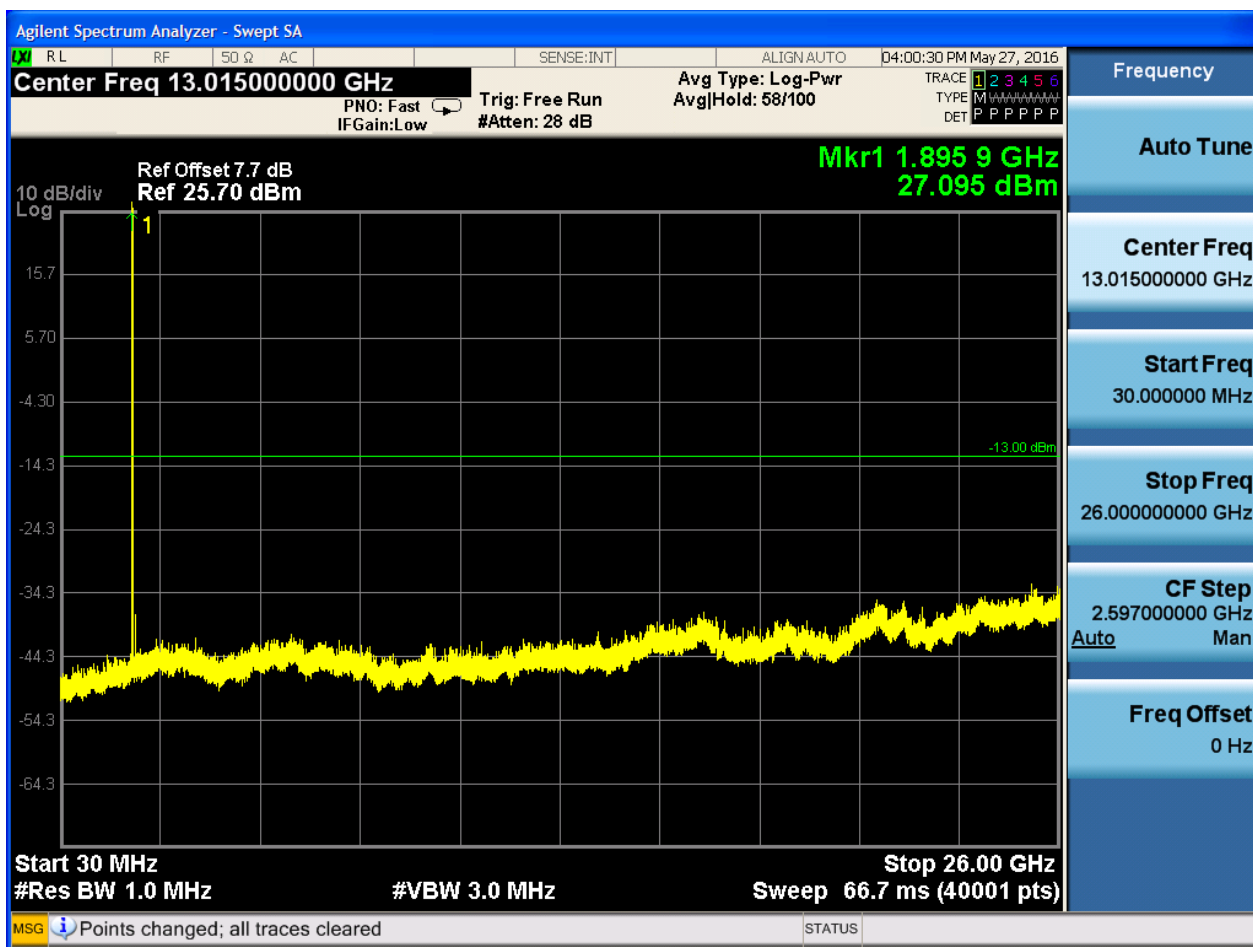


### 6.1.1.2.5.3 Test Channel = HCH

#### 6.1.1.2.5.3.1 Test RB = RB1#0



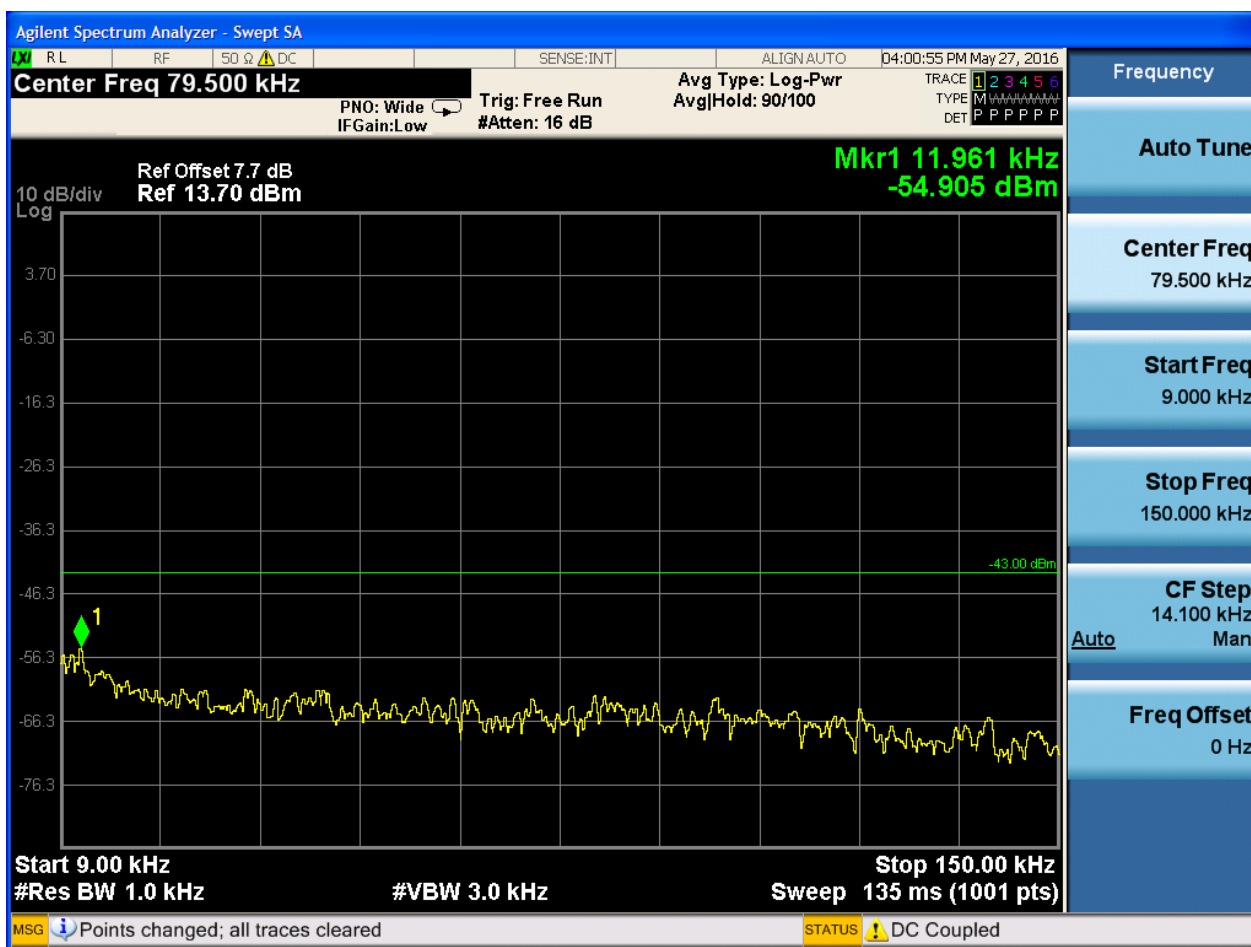


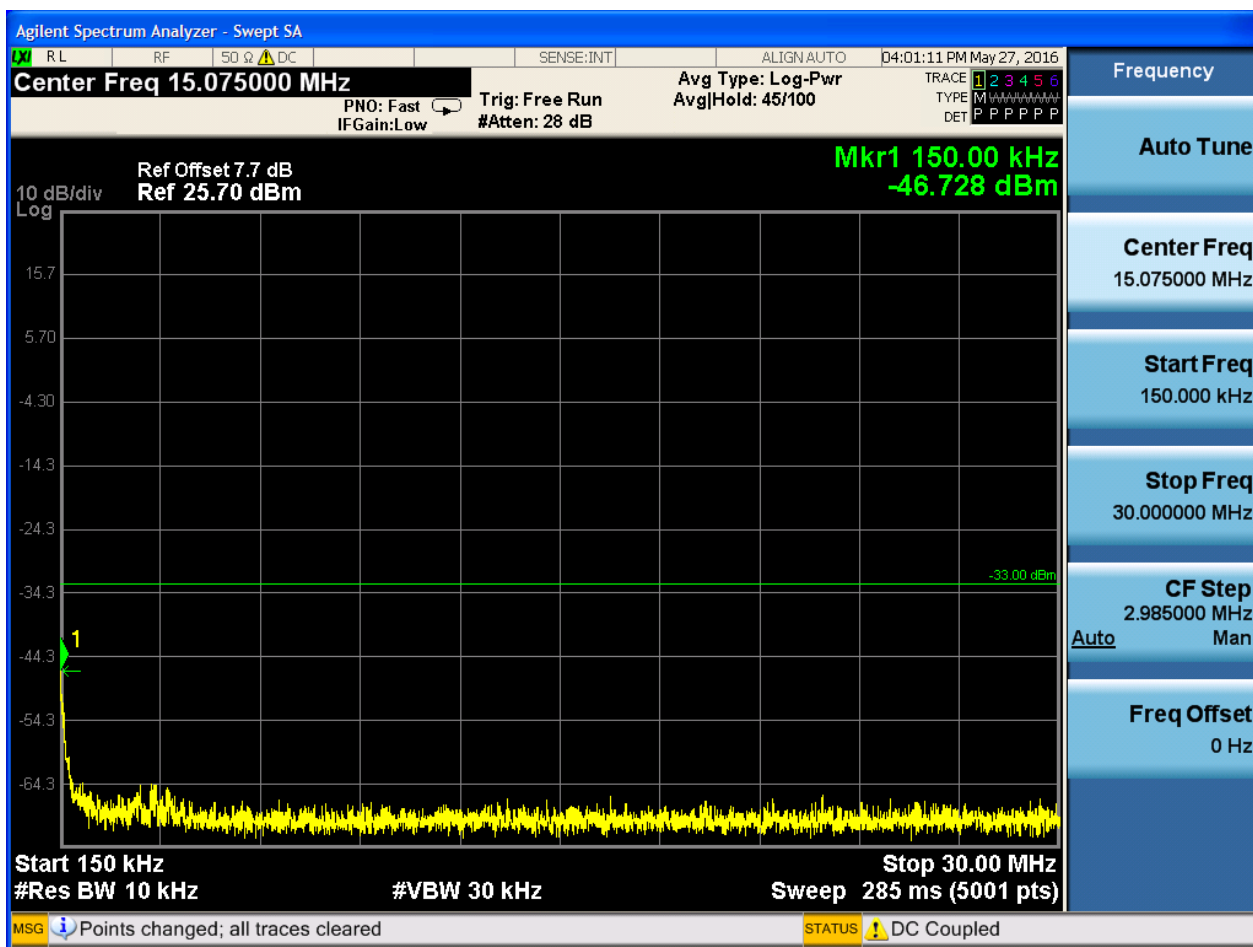


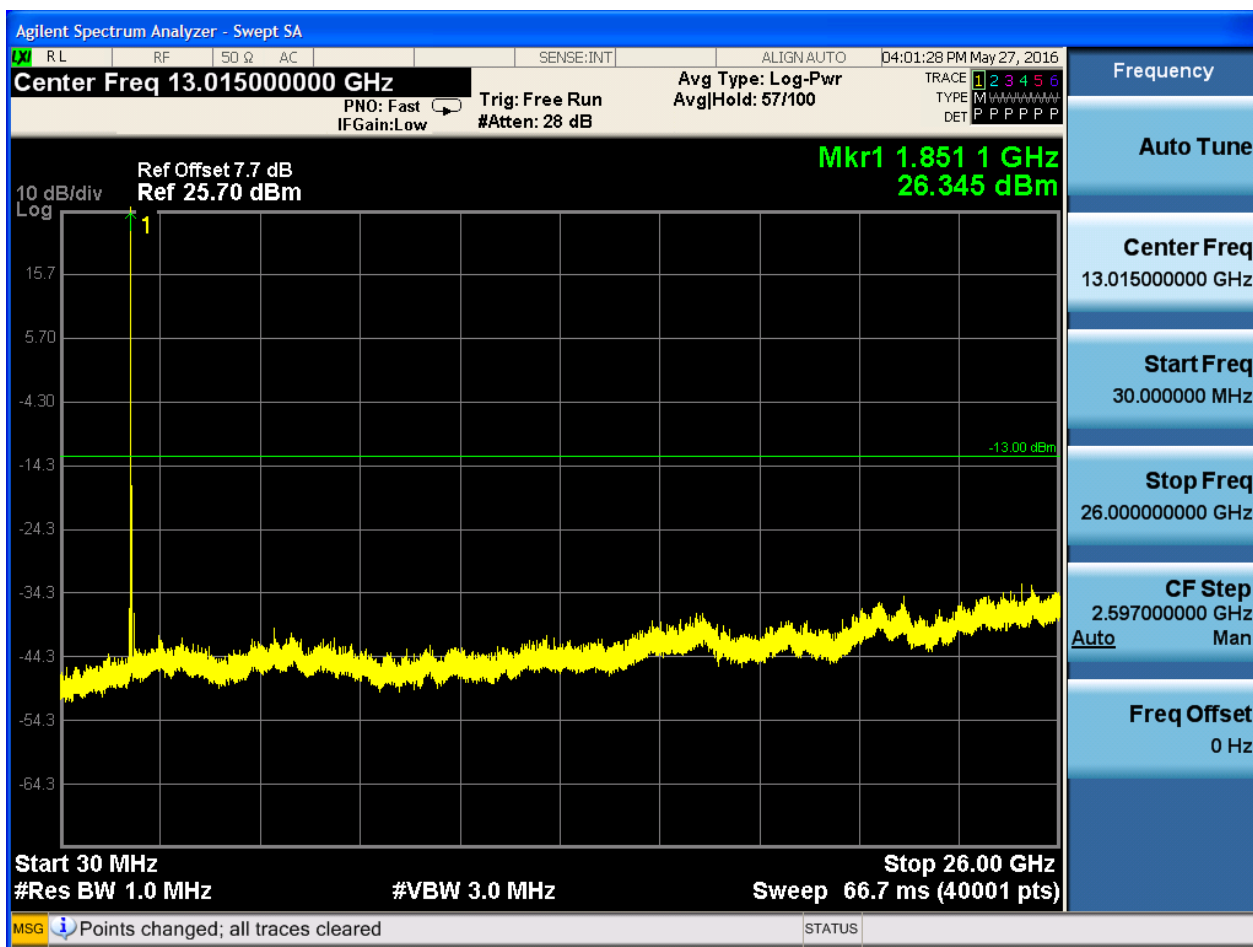
### 6.1.1.2.6 Test Bandwidth = 20

#### 6.1.1.2.6.1 Test Channel = LCH

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



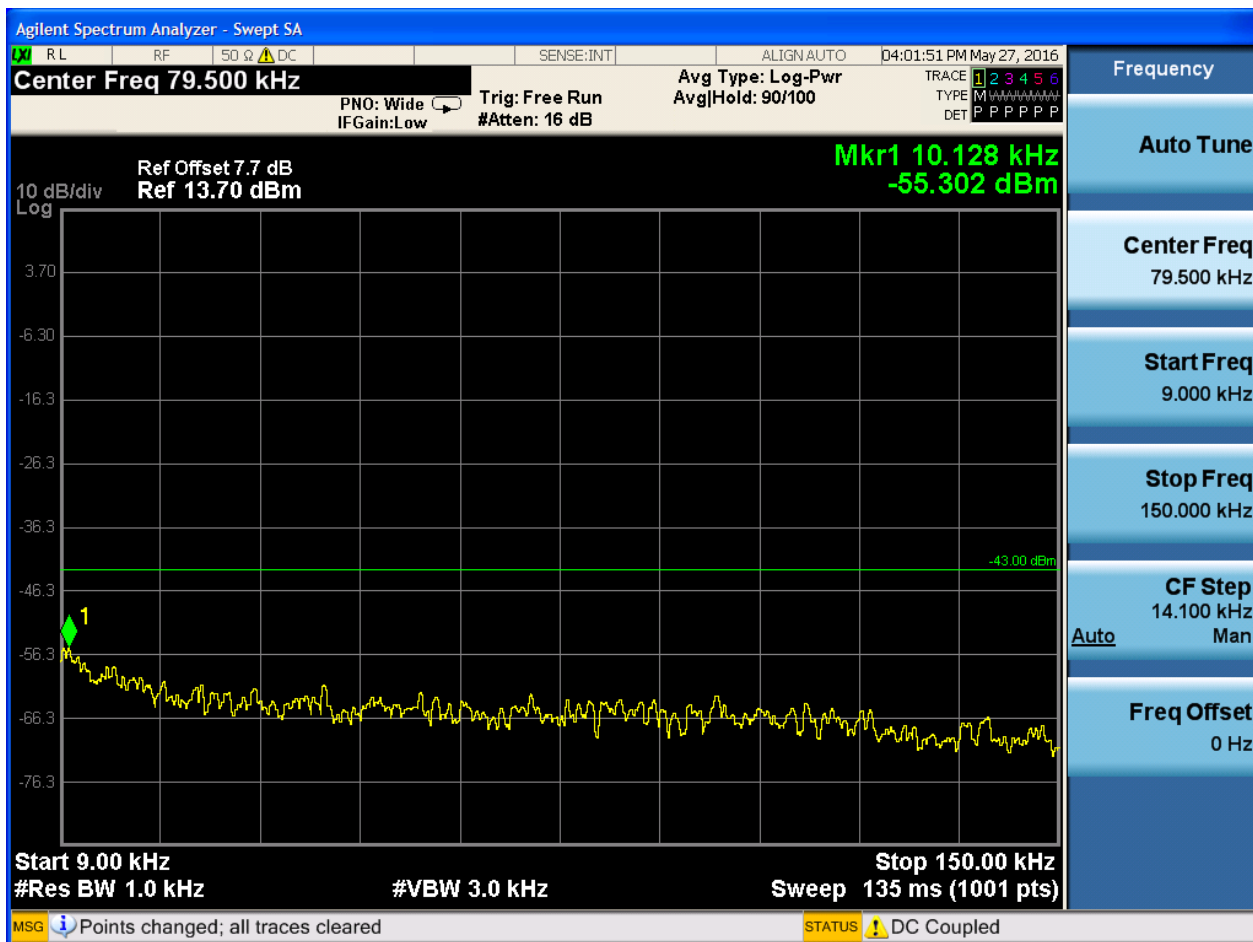


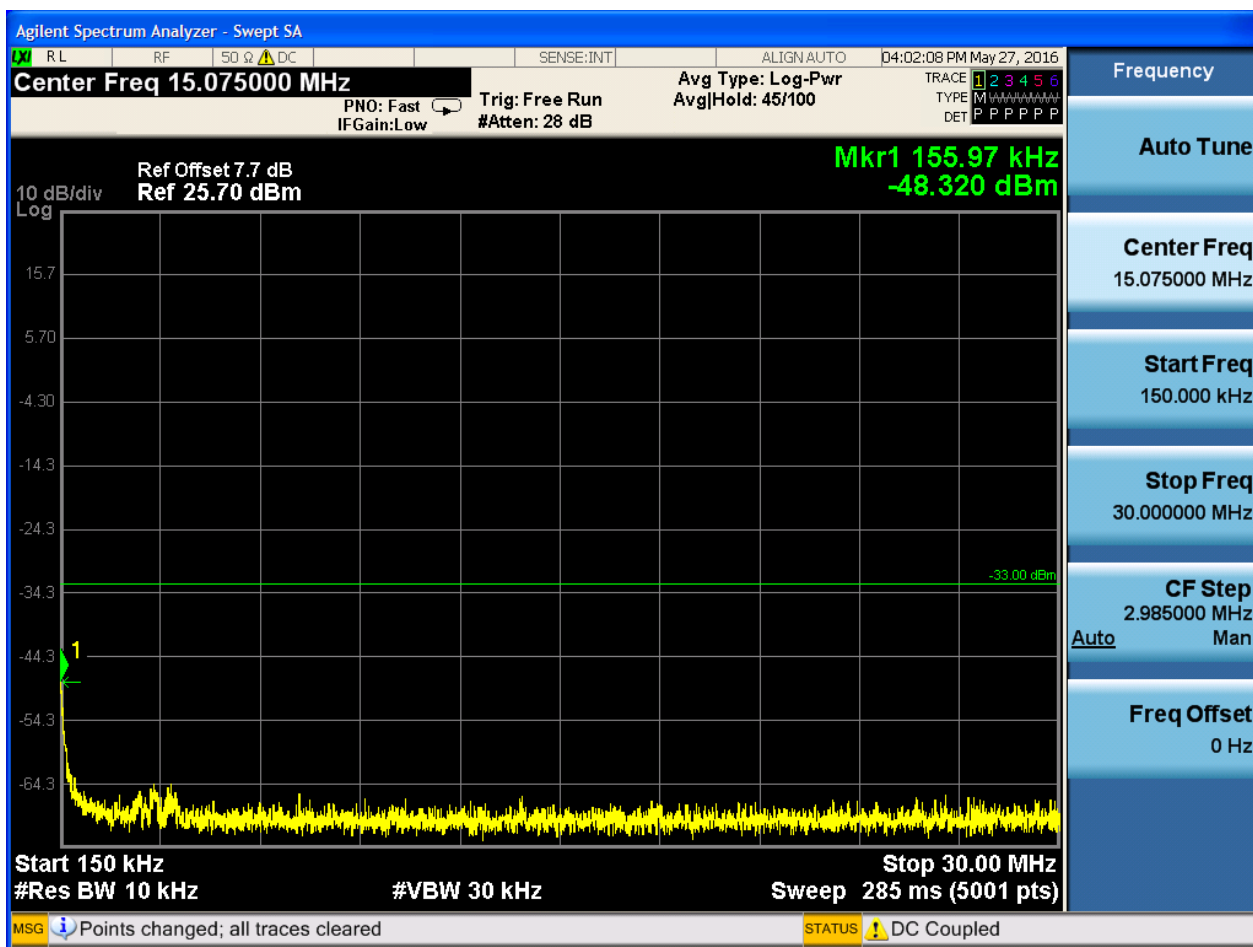


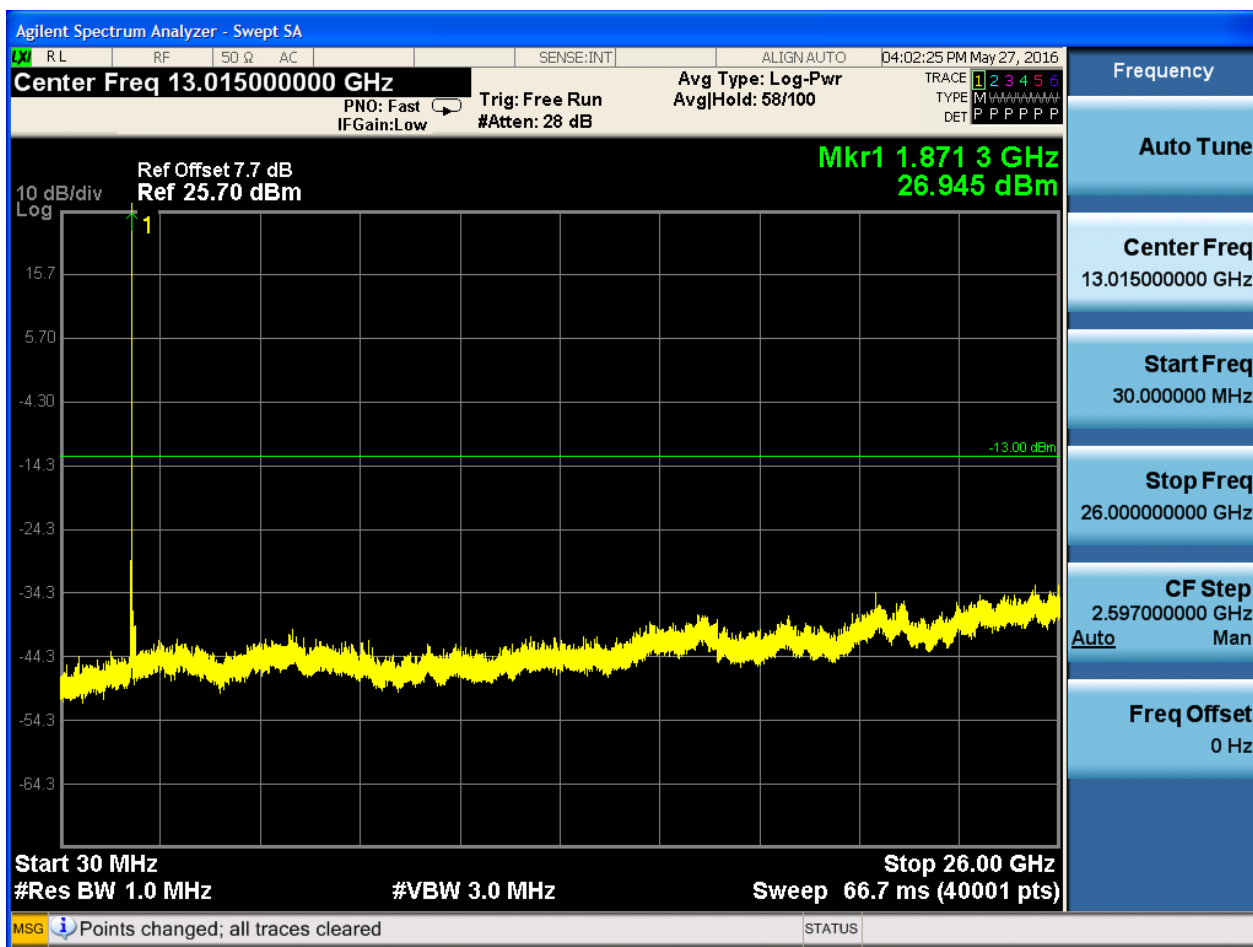


## 6.1.1.2.6.2 Test Channel = MCH

## 6.1.1.2.6.2.1 Test RB = RB1#0



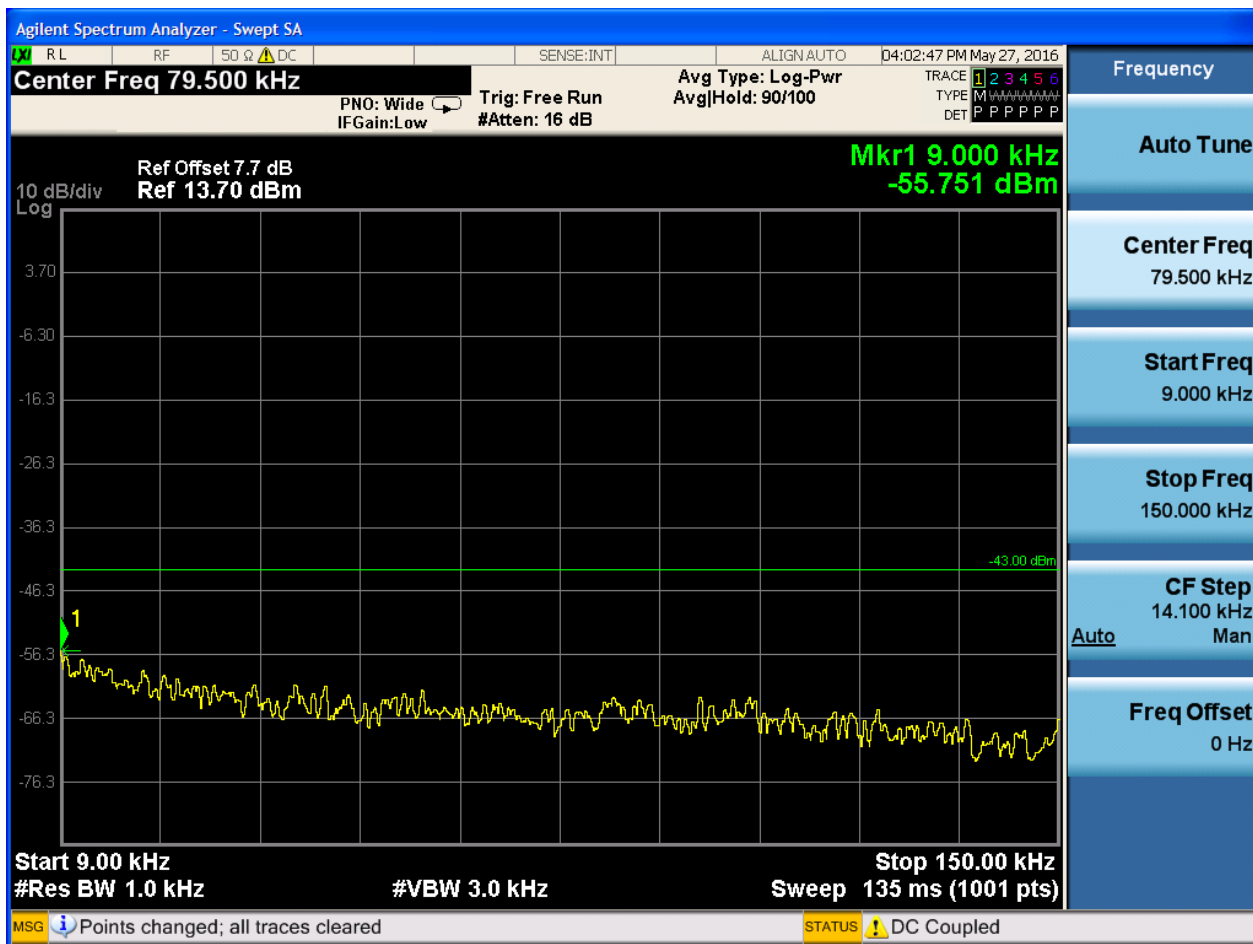


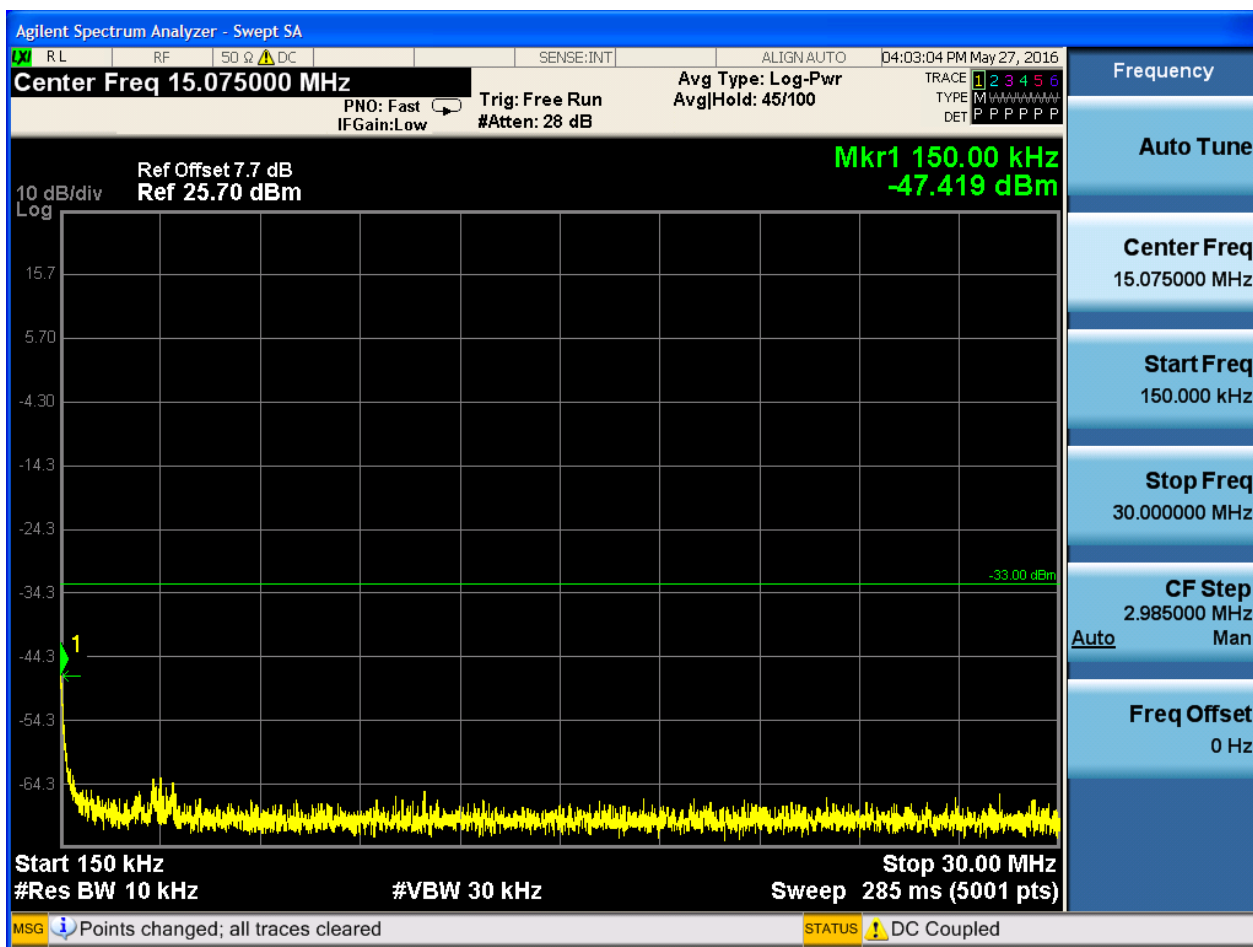


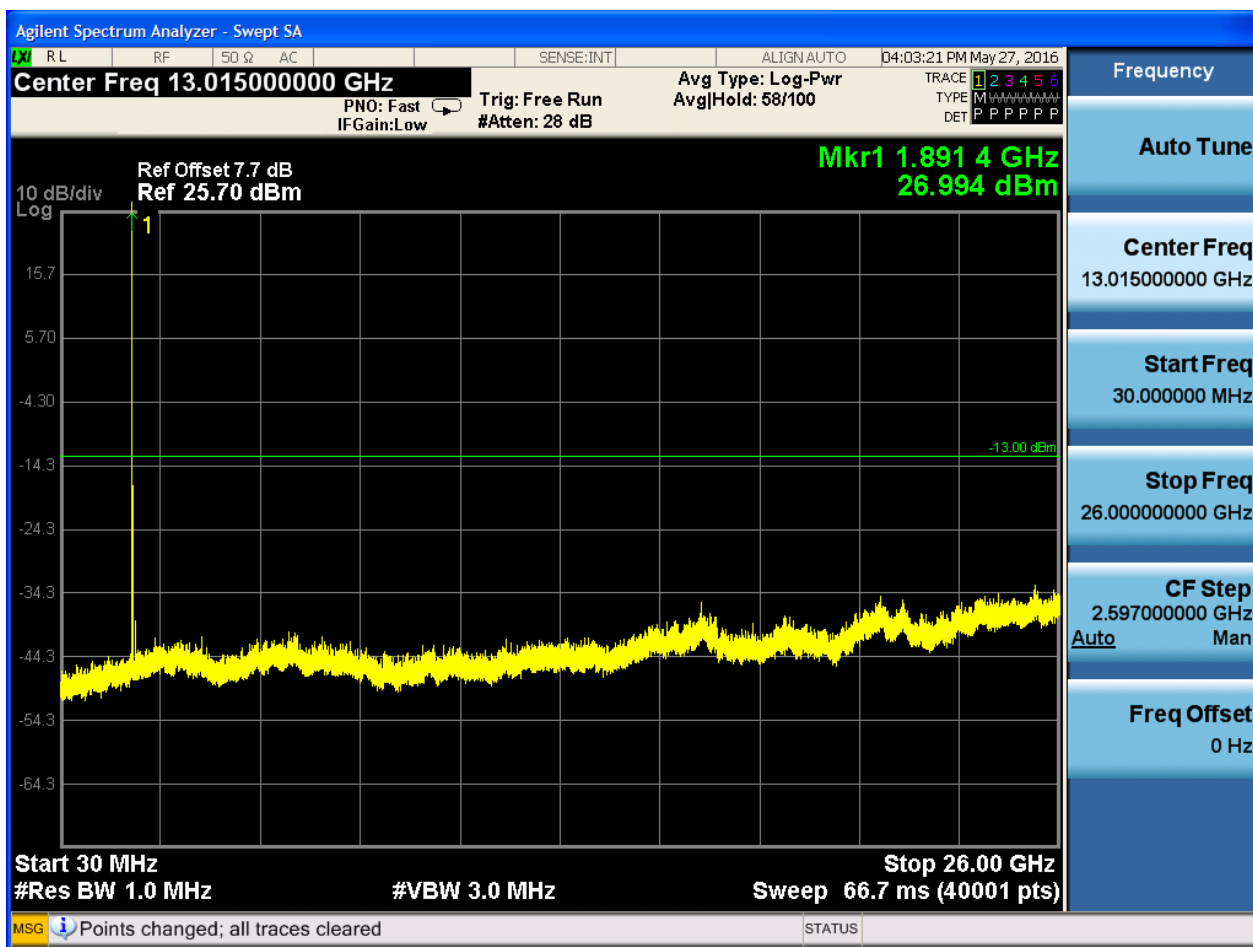


## 6.1.1.2.6.3 Test Channel = HCH

## 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

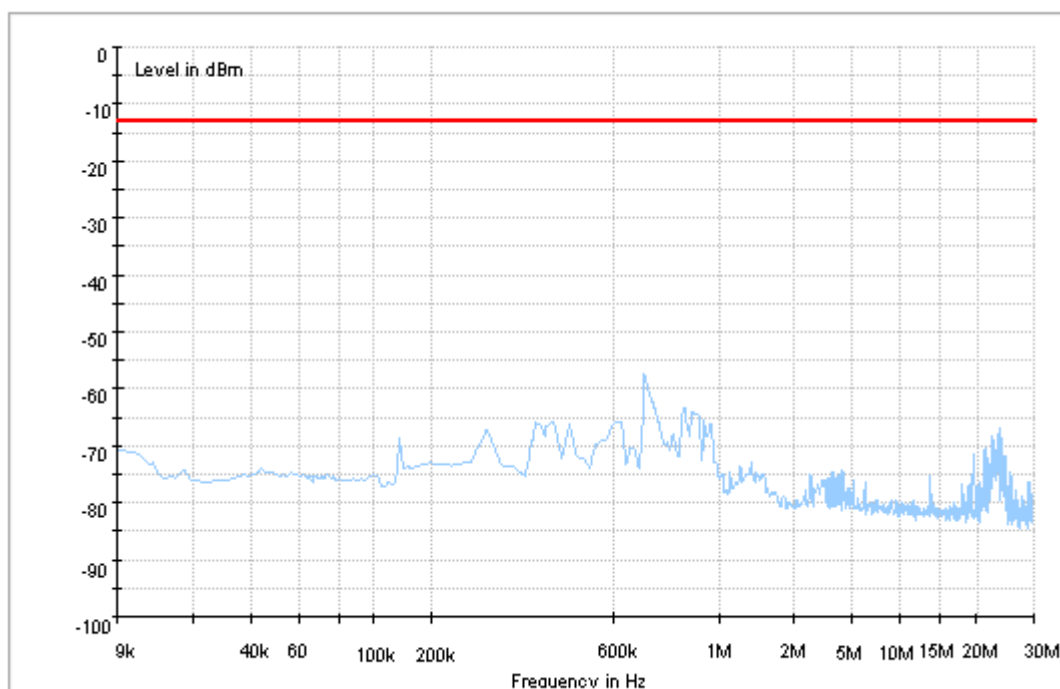
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

## Part I - Test Plots

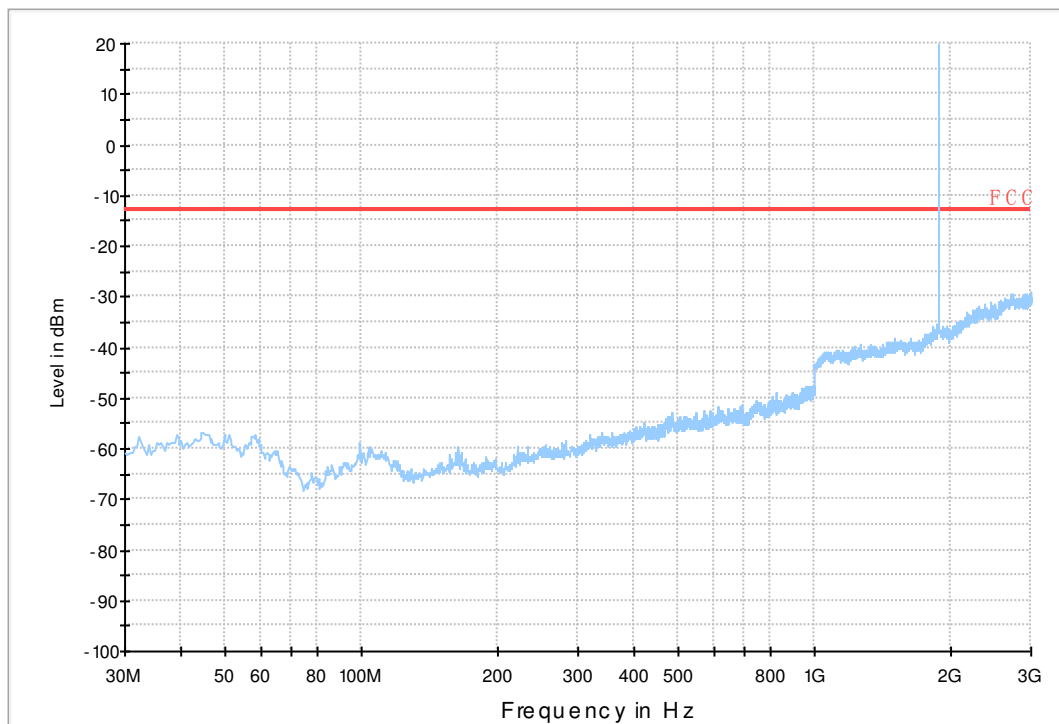
### 7.1 For LTE

#### 7.1.1 Test Band = BAND2

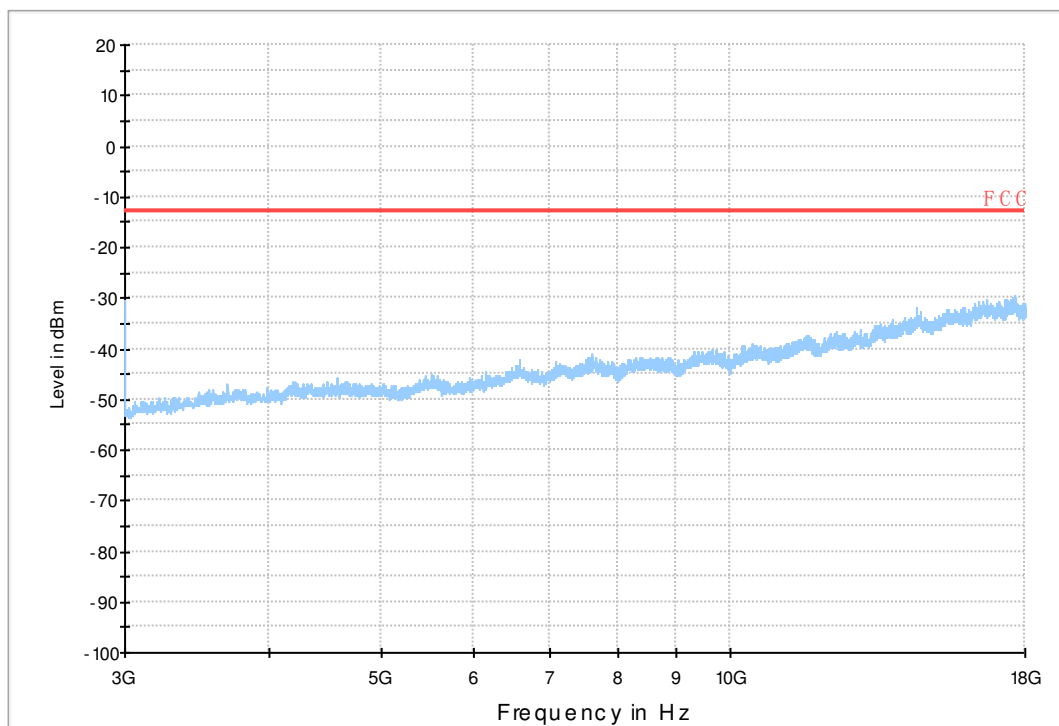
##### 7.1.1.1 Test Bandwidth = 1.4

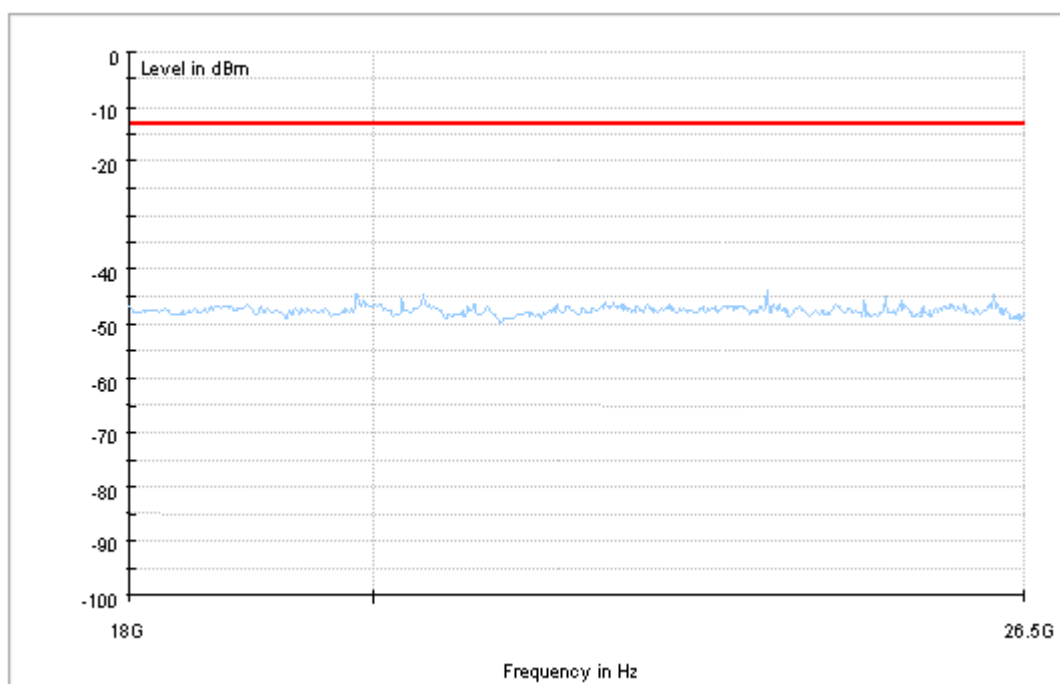


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

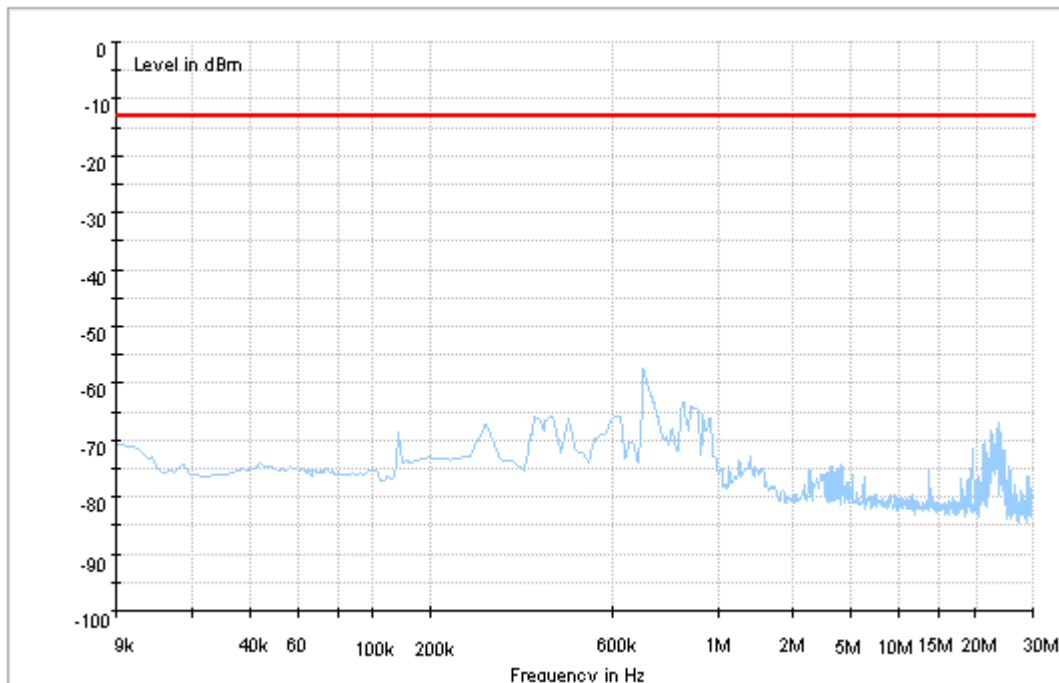


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

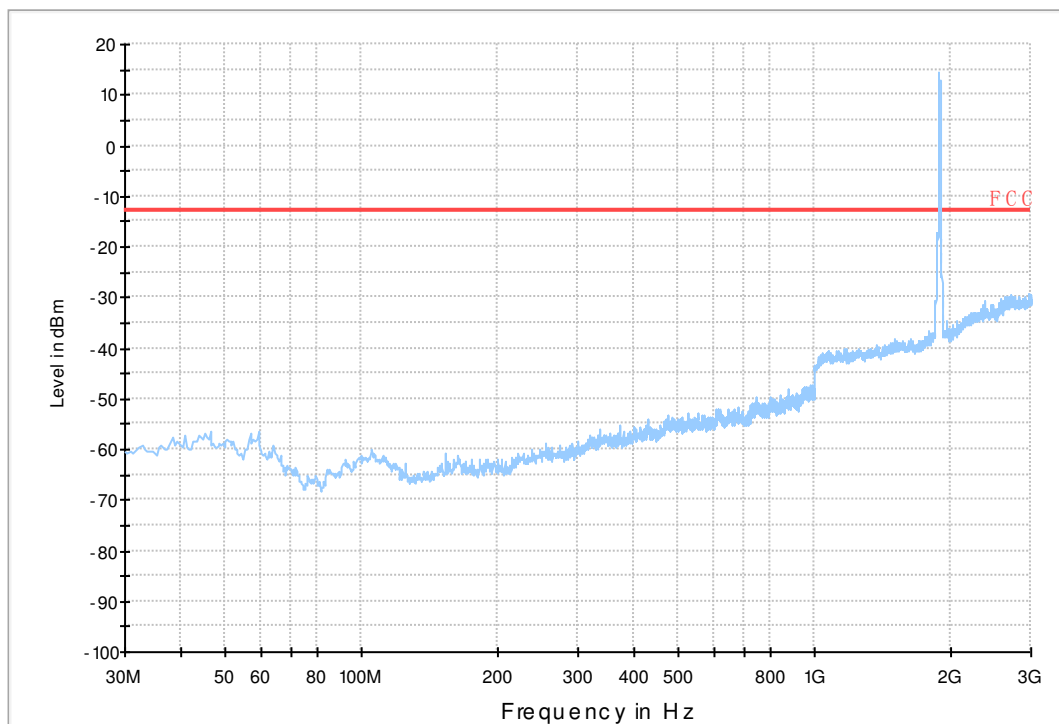




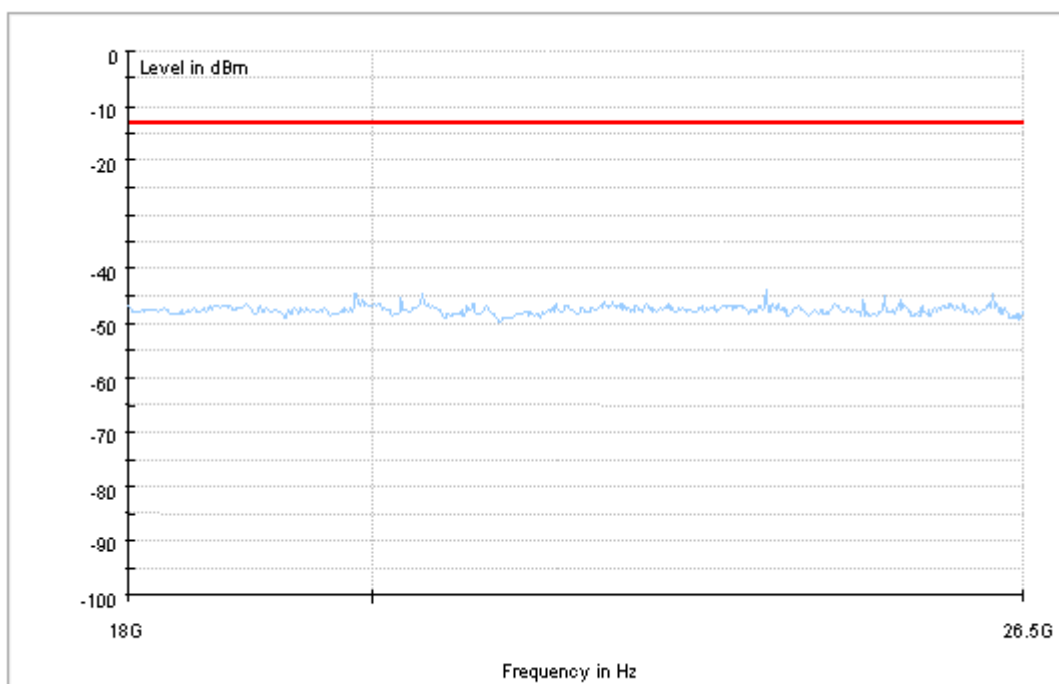
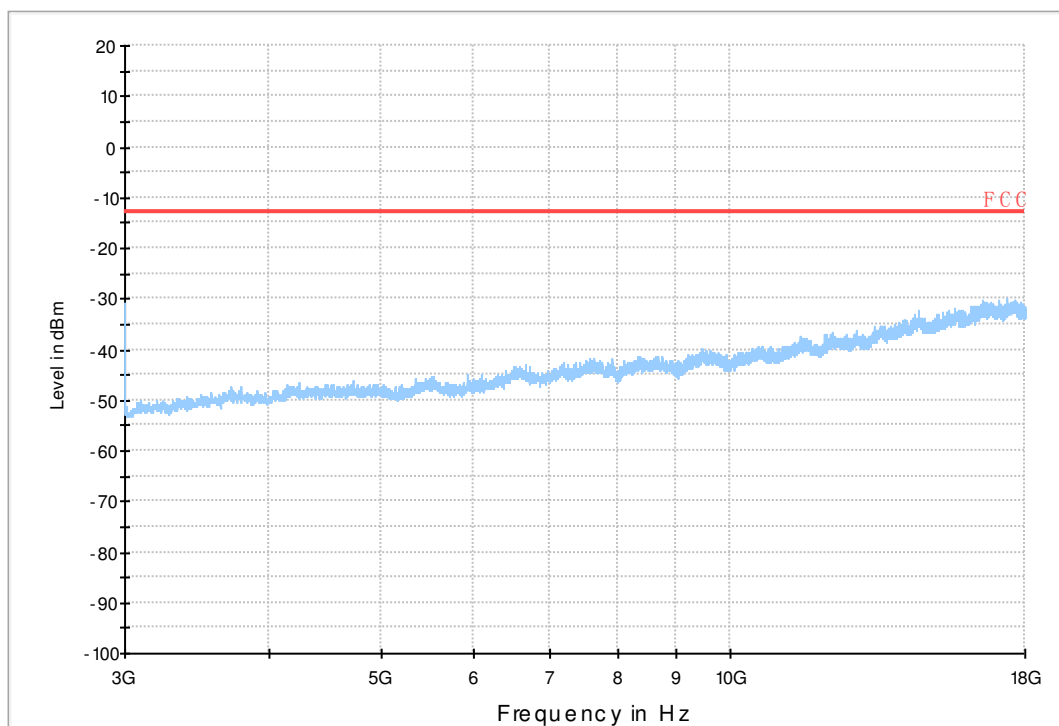
### 7.1.1.2 Test Bandwidth = 20



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         | -0.01            | -0.00001              | PASS    |
|           |           |                      |              |            | VN         | -0.77            | -0.00042              | PASS    |
|           |           |                      |              |            | VH         | -1.73            | -0.00093              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.24            | -0.00013              | PASS    |
|           |           |                      |              |            | VN         | -1.22            | -0.00065              | PASS    |
|           |           |                      |              |            | VH         | -3.06            | -0.00163              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.36             | 0.00071               | PASS    |
|           |           |                      |              |            | VN         | 1.69             | 0.00089               | PASS    |
|           |           |                      |              |            | VH         | -0.29            | -0.00015              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -2.32            | -0.00125              | PASS    |
|           |           |                      |              |            | VN         | -1.66            | -0.00009              | PASS    |
|           |           |                      |              |            | VH         | 0.17             | 0.00009               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.03            | -0.00161              | PASS    |
|           |           |                      |              |            | VN         | -1.77            | -0.00094              | PASS    |
|           |           |                      |              |            | VH         | -3.59            | -0.00191              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.03            | -0.00002              | PASS    |
|           |           |                      |              |            | VN         | -0.40            | -0.00021              | PASS    |
|           |           |                      |              |            | VH         | -0.92            | -0.00048              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -1.57            | -0.00085              | PASS    |
|           |           |                      |              |            | VN         | -2.70            | -0.00146              | PASS    |
|           |           |                      |              |            | VH         | -1.44            | -0.00078              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.03            | -0.00161              | PASS    |
|           |           |                      |              |            | VN         | -3.43            | -0.00182              | PASS    |
|           |           |                      |              |            | VH         | -2.17            | -0.00115              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.21            | -0.00011              | PASS    |
|           |           |                      |              |            | VN         | -0.40            | -0.00021              | PASS    |
|           |           |                      |              |            | VH         | 0.09             | 0.00005               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -3.95            | -0.00213              | PASS    |
|           |           |                      |              |            | VN         | -2.86            | -0.00154              | PASS    |
|           |           |                      |              |            | VH         | -2.66            | -0.00143              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.96            | -0.00157              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | TN         | VN         | -3.22            | -0.00171              | PASS    |
|           |           |                      |              |            | VH         | -4.12            | -0.00219              | PASS    |
|           |           |                      |              |            | VL         | 0.29             | 0.00015               | PASS    |
|           |           |                      |              |            | VN         | 0.31             | 0.00016               | PASS    |
|           |           |                      |              |            | VH         | 1.95             | 0.00102               | PASS    |
|           |           |                      |              |            | VH         | 1.95             | 0.00102               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -3.39            | -0.00183              | PASS    |
|           |           |                      |              |            | VN         | -3.65            | -0.00197              | PASS    |
|           |           |                      |              |            | VH         | -2.80            | -0.00151              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.65            | -0.00194              | PASS    |
|           |           |                      |              |            | VN         | -3.45            | -0.00184              | PASS    |
|           |           |                      |              |            | VH         | -3.13            | -0.00166              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -7.88            | -0.00414              | PASS    |
|           |           |                      |              |            | VN         | -8.13            | -0.00427              | PASS    |
|           |           |                      |              |            | VH         | -8.04            | -0.00423              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -0.29            | -0.00016              | PASS    |
|           |           |                      |              |            | VN         | -0.44            | -0.00024              | PASS    |
|           |           |                      |              |            | VH         | -0.17            | -0.00009              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.41            | -0.00235              | PASS    |
|           |           |                      |              |            | VN         | -3.49            | -0.00186              | PASS    |
|           |           |                      |              |            | VH         | -4.13            | -0.0022               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.83            | -0.00044              | PASS    |
|           |           |                      |              |            | VN         | -1.66            | -0.00087              | PASS    |
|           |           |                      |              |            | VH         | -0.06            | -0.00003              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | TN         | VL         | -3.62            | -0.00196              | PASS    |
|           |           |                      |              |            | VN         | -3.99            | -0.00216              | PASS    |
|           |           |                      |              |            | VH         | -5.29            | -0.00286              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -5.74            | -0.00305              | PASS    |
|           |           |                      |              |            | VN         | -5.62            | -0.00299              | PASS    |
|           |           |                      |              |            | VH         | -4.23            | -0.00225              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.85            | -0.00097              | PASS    |
|           |           |                      |              |            | VN         | -1.92            | -0.00101              | PASS    |
|           |           |                      |              |            | VH         | -3.00            | -0.00157              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -3.93            | -0.00212              | PASS    |
|           |           |                      |              |            | VN         | -1.43            | -0.00077              | PASS    |
|           |           |                      |              |            | VH         | -1.26            | -0.00068              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.48            | -0.00185              | PASS    |
|           |           |                      |              |            | VN         | -3.46            | -0.00184              | PASS    |
|           |           |                      |              |            | VH         | -4.02            | -0.00214              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.74             | 0.00039               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | 1.65             | 0.00086               | PASS    |
|           |           |                      |              |            | VH         | -0.77            | -0.0004               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -1.79            | -0.00097              | PASS    |
|           |           |                      |              |            | VN         | -1.96            | -0.00106              | PASS    |
|           |           |                      |              |            | VH         | -1.42            | -0.00077              | PASS    |
|           |           |                      |              |            | VL         | -4.45            | -0.00237              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -2.39            | -0.00127              | PASS    |
|           |           |                      |              |            | VH         | -3.05            | -0.00162              | PASS    |
|           |           |                      |              |            | VL         | -1.03            | -0.00054              | PASS    |
|           |           |                      | HCH          | TN         | VN         | -0.19            | -0.0001               | PASS    |
|           |           |                      |              |            | VH         | 0.63             | 0.00033               | PASS    |
|           |           |                      |              |            | VL         | -3.49            | -0.00188              | PASS    |
|           |           | 10                   | LCH          | TN         | VN         | -2.56            | -0.00138              | PASS    |
|           |           |                      |              |            | VH         | -2.66            | -0.00143              | PASS    |
|           |           |                      |              |            | VL         | -3.92            | -0.00209              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -2.16            | -0.00115              | PASS    |
|           |           |                      |              |            | VH         | -2.79            | -0.00148              | PASS    |
|           |           |                      |              |            | VL         | -0.40            | -0.00021              | PASS    |
|           |           |                      | HCH          | TN         | VN         | 1.54             | 0.00081               | PASS    |
|           |           |                      |              |            | VH         | 1.14             | 0.0006                | PASS    |
|           |           |                      |              |            | VL         | -1.57            | -0.00085              | PASS    |
|           |           | 15                   | LCH          | TN         | VN         | -3.06            | -0.00165              | PASS    |
|           |           |                      |              |            | VH         | -2.78            | -0.0015               | PASS    |
|           |           |                      |              |            | VL         | -3.16            | -0.00168              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -3.06            | -0.00163              | PASS    |
|           |           |                      |              |            | VH         | -2.95            | -0.00157              | PASS    |
|           |           |                      |              |            | VL         | -8.53            | -0.00448              | PASS    |
|           |           |                      | HCH          | TN         | VN         | -8.88            | -0.00467              | PASS    |
|           |           |                      |              |            | VH         | -9.36            | -0.00492              | PASS    |
|           |           |                      |              |            | VL         | 1.43             | 0.00077               | PASS    |
|           |           | 20                   | LCH          | TN         | VN         | 0.66             | 0.00035               | PASS    |
|           |           |                      |              |            | VH         | 0.10             | 0.00005               | PASS    |
|           |           |                      |              |            | VL         | -3.08            | -0.00164              | PASS    |
|           |           |                      | MCH          | TN         | VN         | -1.95            | -0.00104              | PASS    |
|           |           |                      |              |            | VH         | -2.29            | -0.00122              | PASS    |
|           |           |                      |              |            | VL         | -1.03            | -0.00054              | PASS    |
|           |           |                      | HCH          | TN         | VN         | -2.70            | -0.00142              | PASS    |
|           |           |                      |              |            | VH         | -2.46            | -0.00129              | PASS    |
|           |           |                      |              |            | VL         | -1.03            | -0.00054              | 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        | -0.70            | -0.00038              | PASS    |
|           |           |                      |              |            | -20        | -0.77            | -0.00042              | PASS    |
|           |           |                      |              |            | -10        | -1.73            | -0.00093              | PASS    |
|           |           |                      |              |            | 0          | -0.03            | -0.00002              | PASS    |
|           |           |                      |              |            | 10         | -1.77            | -0.00096              | PASS    |
|           |           |                      |              |            | 20         | 0.97             | 0.00052               | PASS    |
|           |           |                      |              |            | 30         | -3.48            | -0.00188              | PASS    |
|           |           |                      |              |            | 40         | -0.76            | -0.00041              | PASS    |
|           |           |                      |              |            | 50         | 0.07             | 0.00004               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.22            | -0.00065              | PASS    |
|           |           |                      |              |            | -20        | -2.02            | -0.00107              | PASS    |
|           |           |                      |              |            | -10        | -1.10            | -0.00059              | PASS    |
|           |           |                      |              |            | 0          | -1.04            | -0.00055              | PASS    |
|           |           |                      |              |            | 10         | -0.90            | -0.00048              | PASS    |
|           |           |                      |              |            | 20         | -2.76            | -0.00147              | PASS    |
|           |           |                      |              |            | 30         | -1.67            | -0.00089              | PASS    |
|           |           |                      |              |            | 40         | 0.59             | 0.00031               | PASS    |
|           |           |                      |              |            | 50         | -0.69            | -0.00037              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 1.27             | 0.00067               | PASS    |
|           |           |                      |              |            | -20        | 1.75             | 0.00092               | PASS    |
|           |           |                      |              |            | -10        | 0.70             | 0.00037               | PASS    |
|           |           |                      |              |            | 0          | 0.87             | 0.00046               | PASS    |
|           |           |                      |              |            | 10         | 1.23             | 0.00064               | PASS    |
|           |           |                      |              |            | 20         | 2.12             | 0.00111               | PASS    |
|           |           |                      |              |            | 30         | 3.08             | 0.00161               | PASS    |
|           |           |                      |              |            | 40         | 4.05             | 0.00212               | PASS    |
|           |           |                      |              |            | 50         | 0.21             | 0.00011               | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | -1.90            | -0.00103              | PASS    |
|           |           |                      |              |            | -20        | -2.68            | -0.00145              | PASS    |
|           |           |                      |              |            | -10        | -2.56            | -0.00138              | PASS    |
|           |           |                      |              |            | 0          | -1.52            | -0.00082              | PASS    |
|           |           |                      |              |            | 10         | -1.83            | -0.00099              | PASS    |
|           |           |                      |              |            | 20         | -0.90            | -0.00049              | PASS    |
|           |           |                      |              |            | 30         | -2.92            | -0.00158              | PASS    |
|           |           |                      |              |            | 40         | -1.63            | -0.00088              | PASS    |
|           |           |                      |              |            | 50         | -0.23            | -0.00012              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.20            | -0.0017               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20        | -2.99            | -0.00159              | PASS    |
|           |           |                      |              |            | -10        | -3.30            | -0.00176              | PASS    |
|           |           |                      |              |            | 0          | -3.36            | -0.00179              | PASS    |
|           |           |                      |              |            | 10         | -2.92            | -0.00155              | PASS    |
|           |           |                      |              |            | 20         | -3.62            | -0.00193              | PASS    |
|           |           |                      |              |            | 30         | -3.22            | -0.00171              | PASS    |
|           |           |                      |              |            | 40         | -4.21            | -0.00224              | PASS    |
|           |           |                      |              |            | 50         | -3.93            | -0.00209              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.33            | -0.00017              | PASS    |
|           |           |                      |              |            | -20        | -0.43            | -0.00023              | PASS    |
|           |           |                      |              |            | -10        | -1.40            | -0.00073              | PASS    |
|           |           |                      |              |            | 0          | 0.19             | 0.0001                | PASS    |
|           |           |                      |              |            | 10         | 0.00             | 0                     | PASS    |
|           |           |                      |              |            | 20         | -0.44            | -0.00023              | PASS    |
|           |           |                      |              |            | 30         | 1.32             | 0.00069               | PASS    |
|           |           |                      |              |            | 40         | 0.01             | 0.00001               | PASS    |
|           |           |                      |              |            | 50         | 0.73             | 0.00038               | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -1.53            | -0.00083              | PASS    |
|           |           |                      |              |            | -20        | -2.03            | -0.0011               | PASS    |
|           |           |                      |              |            | -10        | -2.06            | -0.00111              | PASS    |
|           |           |                      |              |            | 0          | -2.43            | -0.00131              | PASS    |
|           |           |                      |              |            | 10         | -1.67            | -0.0009               | PASS    |
|           |           |                      |              |            | 20         | -2.12            | -0.00114              | PASS    |
|           |           |                      |              |            | 30         | -2.27            | -0.00123              | PASS    |
|           |           |                      |              |            | 40         | -0.89            | -0.00048              | PASS    |
|           |           |                      |              |            | 50         | -2.27            | -0.00123              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.25            | -0.00173              | PASS    |
|           |           |                      |              |            | -20        | -2.75            | -0.00146              | PASS    |
|           |           |                      |              |            | -10        | -2.16            | -0.00115              | PASS    |
|           |           |                      |              |            | 0          | -2.60            | -0.00138              | PASS    |
|           |           |                      |              |            | 10         | -2.42            | -0.00129              | PASS    |
|           |           |                      |              |            | 20         | -2.26            | -0.0012               | PASS    |
|           |           |                      |              |            | 30         | -1.46            | -0.00078              | PASS    |
|           |           |                      |              |            | 40         | -3.48            | -0.00185              | PASS    |
|           |           |                      |              |            | 50         | -3.73            | -0.00198              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.53            | -0.00028              | PASS    |
|           |           |                      |              |            | -20        | 1.49             | 0.00078               | PASS    |
|           |           |                      |              |            | -10        | -1.23            | -0.00064              | PASS    |
|           |           |                      |              |            | 0          | -0.90            | -0.00047              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           | 10                   |              |            | 10         | -0.86            | -0.00045              | PASS    |
|           |           |                      |              |            | 20         | -1.93            | -0.00101              | PASS    |
|           |           |                      |              |            | 30         | 0.07             | 0.00004               | PASS    |
|           |           |                      |              |            | 40         | -1.03            | -0.00054              | PASS    |
|           |           |                      |              |            | 50         | -0.70            | -0.00037              | PASS    |
|           |           |                      | LCH          | VN         | -30        | -2.95            | -0.00159              | PASS    |
|           |           |                      |              |            | -20        | -2.60            | -0.0014               | PASS    |
|           |           |                      |              |            | -10        | -3.48            | -0.00188              | PASS    |
|           |           |                      |              |            | 0          | -2.26            | -0.00122              | PASS    |
|           |           |                      |              |            | 10         | -3.89            | -0.0021               | PASS    |
|           |           |                      |              |            | 20         | -3.22            | -0.00174              | PASS    |
|           |           |                      |              |            | 30         | -3.78            | -0.00204              | PASS    |
|           |           |                      |              |            | 40         | -2.12            | -0.00114              | PASS    |
|           |           |                      |              |            | 50         | -3.09            | -0.00167              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.93            | -0.00103              | PASS    |
|           |           |                      |              |            | -20        | -3.48            | -0.00185              | PASS    |
|           |           |                      |              |            | -10        | -3.45            | -0.00184              | PASS    |
|           |           |                      |              |            | 0          | -4.65            | -0.00247              | PASS    |
|           |           |                      |              |            | 10         | -3.16            | -0.00168              | PASS    |
|           |           |                      |              |            | 20         | -3.33            | -0.00177              | PASS    |
|           |           |                      |              |            | 30         | -3.68            | -0.00196              | PASS    |
|           |           |                      |              |            | 40         | -3.20            | -0.0017               | PASS    |
|           |           |                      |              |            | 50         | -2.83            | -0.00151              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.99            | -0.00052              | PASS    |
|           |           |                      |              |            | -20        | 0.11             | 0.00006               | PASS    |
|           |           |                      |              |            | -10        | 1.73             | 0.00091               | PASS    |
|           |           |                      |              |            | 0          | 0.83             | 0.00044               | PASS    |
|           |           |                      |              |            | 10         | 0.66             | 0.00035               | PASS    |
|           |           |                      |              |            | 20         | 1.33             | 0.0007                | PASS    |
|           |           |                      |              |            | 30         | -0.19            | -0.0001               | PASS    |
|           |           |                      |              |            | 40         | 0.62             | 0.00033               | PASS    |
|           |           |                      |              |            | 50         | 0.07             | 0.00004               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -4.19            | -0.00226              | PASS    |
|           |           |                      |              |            | -20        | -2.70            | -0.00145              | PASS    |
|           |           |                      |              |            | -10        | -2.78            | -0.0015               | PASS    |
|           |           |                      |              |            | 0          | -3.18            | -0.00171              | PASS    |
|           |           |                      |              |            | 10         | -3.13            | -0.00169              | PASS    |
|           |           |                      |              |            | 20         | -3.06            | -0.00165              | PASS    |
|           |           |                      |              |            | 30         | -3.73            | -0.00201              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40         | -3.68            | -0.00198              | PASS    |
|           |           |                      |              |            | 50         | -3.69            | -0.00199              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.35            | -0.00178              | PASS    |
|           |           |                      |              |            | -20        | -3.79            | -0.00202              | PASS    |
|           |           |                      |              |            | -10        | -3.52            | -0.00187              | PASS    |
|           |           |                      |              |            | 0          | -3.23            | -0.00172              | PASS    |
|           |           |                      |              |            | 10         | -4.73            | -0.00252              | PASS    |
|           |           |                      |              |            | 20         | -3.30            | -0.00176              | PASS    |
|           |           |                      |              |            | 30         | -3.69            | -0.00196              | PASS    |
|           |           |                      |              |            | 40         | -2.76            | -0.00147              | PASS    |
|           |           |                      |              |            | 50         | -3.00            | -0.0016               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -7.97            | -0.00419              | PASS    |
|           |           |                      |              |            | -20        | -7.21            | -0.00379              | PASS    |
|           |           |                      |              |            | -10        | -7.10            | -0.00373              | PASS    |
|           |           |                      |              |            | 0          | -6.84            | -0.0036               | PASS    |
|           |           |                      |              |            | 10         | -7.64            | -0.00402              | PASS    |
|           |           |                      |              |            | 20         | -6.71            | -0.00353              | PASS    |
|           |           |                      |              |            | 30         | -5.66            | -0.00298              | PASS    |
|           |           |                      |              |            | 40         | -6.54            | -0.00344              | PASS    |
|           |           |                      |              |            | 50         | -6.01            | -0.00316              | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | 0.40             | 0.00022               | PASS    |
|           |           |                      |              |            | -20        | 0.26             | 0.00014               | PASS    |
|           |           |                      |              |            | -10        | 0.89             | 0.00048               | PASS    |
|           |           |                      |              |            | 0          | -0.56            | -0.0003               | PASS    |
|           |           |                      |              |            | 10         | -0.37            | -0.0002               | PASS    |
|           |           |                      |              |            | 20         | -0.59            | -0.00032              | PASS    |
|           |           |                      |              |            | 30         | 0.40             | 0.00022               | PASS    |
|           |           |                      |              |            | 40         | -0.11            | -0.00006              | PASS    |
|           |           |                      |              |            | 50         | 0.23             | 0.00012               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.79            | -0.00202              | PASS    |
|           |           |                      |              |            | -20        | -2.53            | -0.00135              | PASS    |
|           |           |                      |              |            | -10        | -2.50            | -0.00133              | PASS    |
|           |           |                      |              |            | 0          | -2.40            | -0.00128              | PASS    |
|           |           |                      |              |            | 10         | -3.05            | -0.00162              | PASS    |
|           |           |                      |              |            | 20         | -4.39            | -0.00234              | PASS    |
|           |           |                      |              |            | 30         | -4.65            | -0.00247              | PASS    |
|           |           |                      |              |            | 40         | -3.75            | -0.00199              | PASS    |
|           |           |                      |              |            | 50         | -3.23            | -0.00172              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -3.28            | -0.00173              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20        | -2.88            | -0.00152              | PASS    |
|           |           |                      |              |            | -10        | -3.89            | -0.00205              | PASS    |
|           |           |                      |              |            | 0          | -3.76            | -0.00198              | PASS    |
|           |           |                      |              |            | 10         | -4.23            | -0.00223              | PASS    |
|           |           |                      |              |            | 20         | -4.02            | -0.00212              | PASS    |
|           |           |                      |              |            | 30         | -3.30            | -0.00174              | PASS    |
|           |           |                      |              |            | 40         | -2.68            | -0.00141              | PASS    |
|           |           |                      |              |            | 50         | -3.81            | -0.00201              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30        | -3.13            | -0.00169              | PASS    |
|           |           |                      |              |            | -20        | -0.54            | -0.00029              | PASS    |
|           |           |                      |              |            | -10        | -3.28            | -0.00177              | PASS    |
|           |           |                      |              |            | 0          | -3.23            | -0.00175              | PASS    |
|           |           |                      |              |            | 10         | -2.99            | -0.00162              | PASS    |
|           |           |                      |              |            | 20         | -2.16            | -0.00117              | PASS    |
|           |           |                      |              |            | 30         | -1.80            | -0.00097              | PASS    |
|           |           |                      |              |            | 40         | -3.95            | -0.00213              | PASS    |
|           |           |                      |              |            | 50         | -4.09            | -0.00221              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -6.25            | -0.00332              | PASS    |
|           |           |                      |              |            | -20        | -4.51            | -0.0024               | PASS    |
|           |           |                      |              |            | -10        | -3.63            | -0.00193              | PASS    |
|           |           |                      |              |            | 0          | -6.75            | -0.00359              | PASS    |
|           |           |                      |              |            | 10         | -3.81            | -0.00203              | PASS    |
|           |           |                      |              |            | 20         | -6.41            | -0.00341              | PASS    |
|           |           |                      |              |            | 30         | -6.28            | -0.00334              | PASS    |
|           |           |                      |              |            | 40         | -5.52            | -0.00294              | PASS    |
|           |           |                      |              |            | 50         | -5.01            | -0.00266              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.29            | -0.00068              | PASS    |
|           |           |                      |              |            | -20        | -0.13            | -0.00007              | PASS    |
|           |           |                      |              |            | -10        | -4.25            | -0.00223              | PASS    |
|           |           |                      |              |            | 0          | -3.83            | -0.00201              | PASS    |
|           |           |                      |              |            | 10         | -1.57            | -0.00082              | PASS    |
|           |           |                      |              |            | 20         | -3.32            | -0.00174              | PASS    |
|           |           |                      |              |            | 30         | -3.59            | -0.00188              | PASS    |
|           |           |                      |              |            | 40         | -2.66            | -0.00139              | PASS    |
|           |           |                      |              |            | 50         | -1.22            | -0.00064              | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | -3.36            | -0.00181              | PASS    |
|           |           |                      |              |            | -20        | -2.53            | -0.00137              | PASS    |
|           |           |                      |              |            | -10        | -3.50            | -0.00189              | PASS    |
|           |           |                      |              |            | 0          | -3.28            | -0.00177              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10         | -3.85            | -0.00208              | PASS    |
|           |           |                      |              |            | 20         | -2.98            | -0.00161              | PASS    |
|           |           |                      |              |            | 30         | -3.03            | -0.00164              | PASS    |
|           |           |                      |              |            | 40         | -3.25            | -0.00176              | PASS    |
|           |           |                      |              |            | 50         | -2.46            | -0.00133              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -4.42            | -0.00235              | PASS    |
|           |           |                      |              |            | -20        | -3.83            | -0.00204              | PASS    |
|           |           |                      |              |            | -10        | -4.12            | -0.00219              | PASS    |
|           |           |                      |              |            | 0          | -4.38            | -0.00233              | PASS    |
|           |           |                      |              |            | 10         | -4.45            | -0.00237              | PASS    |
|           |           |                      |              |            | 20         | -5.04            | -0.00268              | PASS    |
|           |           |                      |              |            | 30         | -4.22            | -0.00224              | PASS    |
|           |           |                      |              |            | 40         | -4.21            | -0.00224              | PASS    |
|           |           |                      |              |            | 50         | -4.62            | -0.00246              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.14            | -0.00007              | PASS    |
|           |           |                      |              |            | -20        | 0.01             | 0.00001               | PASS    |
|           |           |                      |              |            | -10        | -0.59            | -0.00031              | PASS    |
|           |           |                      |              |            | 0          | -1.19            | -0.00062              | PASS    |
|           |           |                      |              |            | 10         | -1.50            | -0.00079              | PASS    |
|           |           |                      |              |            | 20         | -1.20            | -0.00063              | PASS    |
|           |           |                      |              |            | 30         | -0.86            | -0.00045              | PASS    |
|           |           |                      |              |            | 40         | -0.44            | -0.00023              | PASS    |
|           |           |                      |              |            | 50         | -0.74            | -0.00039              | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -0.92            | -0.0005               | PASS    |
|           |           |                      |              |            | -20        | -2.42            | -0.00131              | PASS    |
|           |           |                      |              |            | -10        | -2.10            | -0.00113              | PASS    |
|           |           |                      |              |            | 0          | -3.72            | -0.00201              | PASS    |
|           |           |                      |              |            | 10         | -2.19            | -0.00118              | PASS    |
|           |           |                      |              |            | 20         | -2.57            | -0.00139              | PASS    |
|           |           |                      |              |            | 30         | -2.45            | -0.00132              | PASS    |
|           |           |                      |              |            | 40         | -3.02            | -0.00163              | PASS    |
|           |           |                      |              |            | 50         | -3.13            | -0.00169              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.15            | -0.00168              | PASS    |
|           |           |                      |              |            | -20        | -2.72            | -0.00145              | PASS    |
|           |           |                      |              |            | -10        | -2.85            | -0.00152              | PASS    |
|           |           |                      |              |            | 0          | -3.30            | -0.00176              | PASS    |
|           |           |                      |              |            | 10         | -2.80            | -0.00149              | PASS    |
|           |           |                      |              |            | 20         | -4.53            | -0.00241              | PASS    |
|           |           |                      |              |            | 30         | -0.84            | -0.00045              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40         | -2.13            | -0.00113              | PASS    |
|           |           |                      |              |            | 50         | -2.90            | -0.00154              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.26            | -0.00014              | PASS    |
|           |           |                      |              |            | -20        | 2.45             | 0.00128               | PASS    |
|           |           |                      |              |            | -10        | 0.39             | 0.0002                | PASS    |
|           |           |                      |              |            | 0          | 1.87             | 0.00098               | PASS    |
|           |           |                      |              |            | 10         | 0.30             | 0.00016               | PASS    |
|           |           |                      |              |            | 20         | -0.40            | -0.00021              | PASS    |
|           |           |                      |              |            | 30         | 2.15             | 0.00113               | PASS    |
|           |           |                      |              |            | 40         | -0.41            | -0.00021              | PASS    |
|           |           |                      |              |            | 50         | 0.20             | 0.0001                | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -2.69            | -0.00145              | PASS    |
|           |           |                      |              |            | -20        | -3.53            | -0.0019               | PASS    |
|           |           |                      |              |            | -10        | -3.33            | -0.0018               | PASS    |
|           |           |                      |              |            | 0          | -3.86            | -0.00208              | PASS    |
|           |           |                      |              |            | 10         | -3.95            | -0.00213              | PASS    |
|           |           |                      |              |            | 20         | -4.01            | -0.00216              | PASS    |
|           |           |                      |              |            | 30         | -2.27            | -0.00122              | PASS    |
|           |           |                      |              |            | 40         | -3.35            | -0.00181              | PASS    |
|           |           |                      |              |            | 50         | -4.16            | -0.00224              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.12            | -0.00166              | PASS    |
|           |           |                      |              |            | -20        | -2.85            | -0.00152              | PASS    |
|           |           |                      |              |            | -10        | -2.88            | -0.00153              | PASS    |
|           |           |                      |              |            | 0          | -2.70            | -0.00144              | PASS    |
|           |           |                      |              |            | 10         | -3.26            | -0.00173              | PASS    |
|           |           |                      |              |            | 20         | -2.93            | -0.00156              | PASS    |
|           |           |                      |              |            | 30         | -3.19            | -0.0017               | PASS    |
|           |           |                      |              |            | 40         | -3.16            | -0.00168              | PASS    |
|           |           |                      |              |            | 50         | -3.55            | -0.00189              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.70             | 0.00037               | PASS    |
|           |           |                      |              |            | -20        | 0.16             | 0.00008               | PASS    |
|           |           |                      |              |            | -10        | 1.06             | 0.00056               | PASS    |
|           |           |                      |              |            | 0          | 0.79             | 0.00041               | PASS    |
|           |           |                      |              |            | 10         | 0.40             | 0.00021               | PASS    |
|           |           |                      |              |            | 20         | 0.64             | 0.00034               | PASS    |
|           |           |                      |              |            | 30         | 1.46             | 0.00077               | PASS    |
|           |           |                      |              |            | 40         | 0.63             | 0.00033               | PASS    |
|           |           |                      |              |            | 50         | 1.22             | 0.00064               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -2.65            | -0.00143              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20        | -2.47            | -0.00133              | PASS    |
|           |           |                      |              |            | -10        | -2.17            | -0.00117              | PASS    |
|           |           |                      |              |            | 0          | -3.23            | -0.00174              | PASS    |
|           |           |                      |              |            | 10         | -3.65            | -0.00197              | PASS    |
|           |           |                      |              |            | 20         | -3.36            | -0.00181              | PASS    |
|           |           |                      |              |            | 30         | -5.59            | -0.00301              | PASS    |
|           |           |                      |              |            | 40         | -2.59            | -0.00139              | PASS    |
|           |           |                      |              |            | 50         | -2.90            | -0.00156              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.40            | -0.00181              | PASS    |
|           |           |                      |              |            | -20        | -2.02            | -0.00107              | PASS    |
|           |           |                      |              |            | -10        | -1.85            | -0.00098              | PASS    |
|           |           |                      |              |            | 0          | -3.32            | -0.00177              | PASS    |
|           |           |                      |              |            | 10         | -3.42            | -0.00182              | PASS    |
|           |           |                      |              |            | 20         | -2.69            | -0.00143              | PASS    |
|           |           |                      |              |            | 30         | -3.48            | -0.00185              | PASS    |
|           |           |                      |              |            | 40         | -2.62            | -0.00139              | PASS    |
|           |           |                      |              |            | 50         | -1.96            | -0.00104              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -6.38            | -0.00335              | PASS    |
|           |           |                      |              |            | -20        | -6.38            | -0.00335              | PASS    |
|           |           |                      |              |            | -10        | -6.91            | -0.00363              | PASS    |
|           |           |                      |              |            | 0          | -7.67            | -0.00403              | PASS    |
|           |           |                      |              |            | 10         | -7.21            | -0.00379              | PASS    |
|           |           |                      |              |            | 20         | -6.69            | -0.00352              | PASS    |
|           |           |                      |              |            | 30         | -5.58            | -0.00293              | PASS    |
|           |           |                      |              |            | 40         | -6.98            | -0.00367              | PASS    |
|           |           |                      |              |            | 50         | -6.58            | -0.00346              | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | -0.62            | -0.00033              | PASS    |
|           |           |                      |              |            | -20        | -0.30            | -0.00016              | PASS    |
|           |           |                      |              |            | -10        | 0.26             | 0.00014               | PASS    |
|           |           |                      |              |            | 0          | 0.84             | 0.00045               | PASS    |
|           |           |                      |              |            | 10         | 2.27             | 0.00122               | PASS    |
|           |           |                      |              |            | 20         | 0.11             | 0.00006               | PASS    |
|           |           |                      |              |            | 30         | 0.04             | 0.00002               | PASS    |
|           |           |                      |              |            | 40         | 0.89             | 0.00048               | PASS    |
|           |           |                      |              |            | 50         | -0.60            | -0.00032              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.12            | -0.00113              | PASS    |
|           |           |                      |              |            | -20        | -3.09            | -0.00164              | PASS    |
|           |           |                      |              |            | -10        | -3.43            | -0.00182              | PASS    |
|           |           |                      |              |            | 0          | -2.25            | -0.0012               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10         | -2.40            | -0.00128              | PASS    |
|           |           |                      |              |            | 20         | -3.09            | -0.00164              | PASS    |
|           |           |                      |              |            | 30         | -1.82            | -0.00097              | PASS    |
|           |           |                      |              |            | 40         | -2.55            | -0.00136              | PASS    |
|           |           |                      |              |            | 50         | -3.12            | -0.00166              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -3.23            | -0.0017               | PASS    |
|           |           |                      |              |            | -20        | -2.43            | -0.00128              | PASS    |
|           |           |                      |              |            | -10        | -1.69            | -0.00089              | PASS    |
|           |           |                      |              |            | 0          | -2.17            | -0.00114              | PASS    |
|           |           |                      |              |            | 10         | -2.69            | -0.00142              | PASS    |
|           |           |                      |              |            | 20         | -2.13            | -0.00112              | PASS    |
|           |           |                      |              |            | 30         | -2.53            | -0.00133              | PASS    |
|           |           |                      |              |            | 40         | -1.85            | -0.00097              | PASS    |
|           |           |                      |              |            | 50         | -1.86            | -0.00098              | PASS    |

END