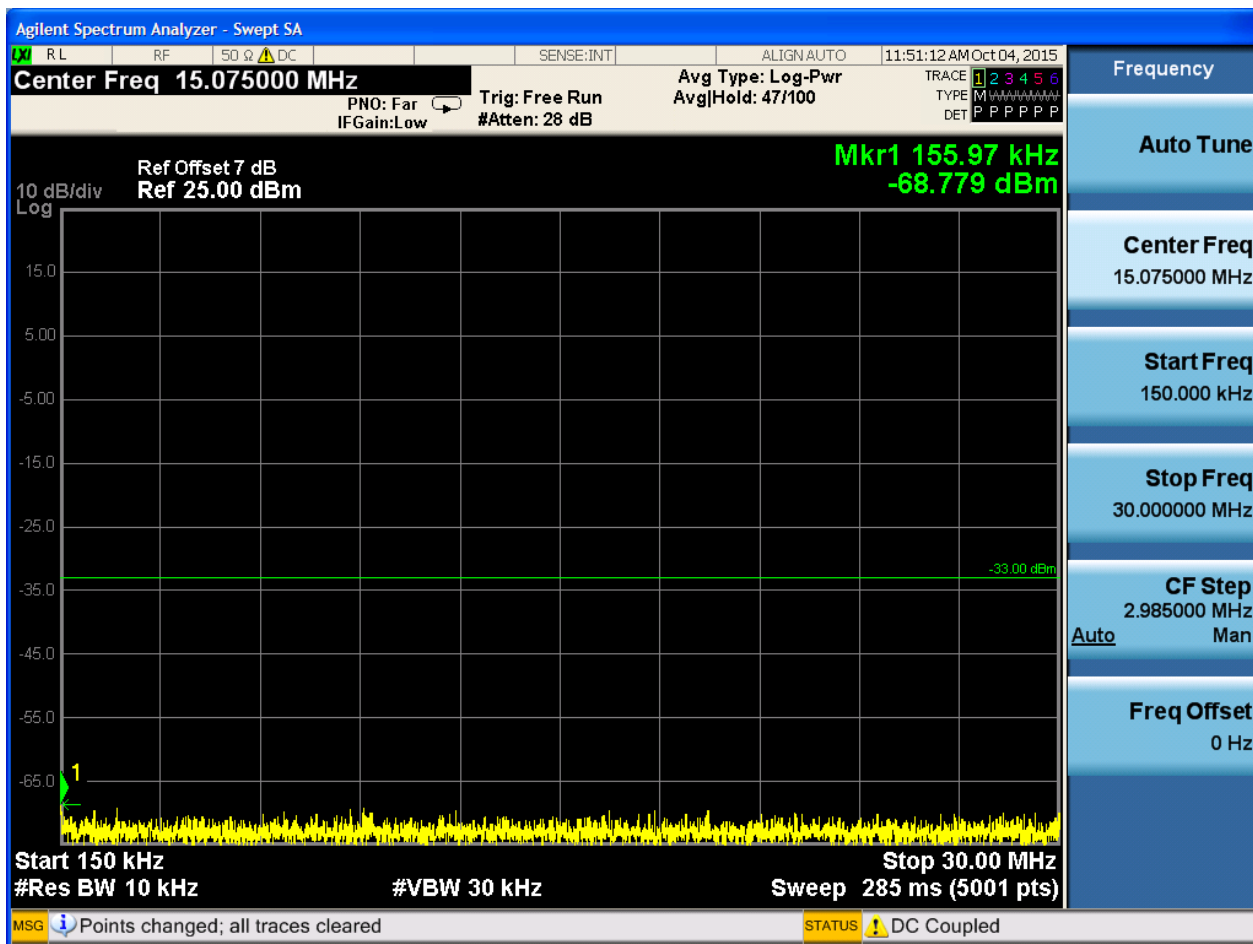
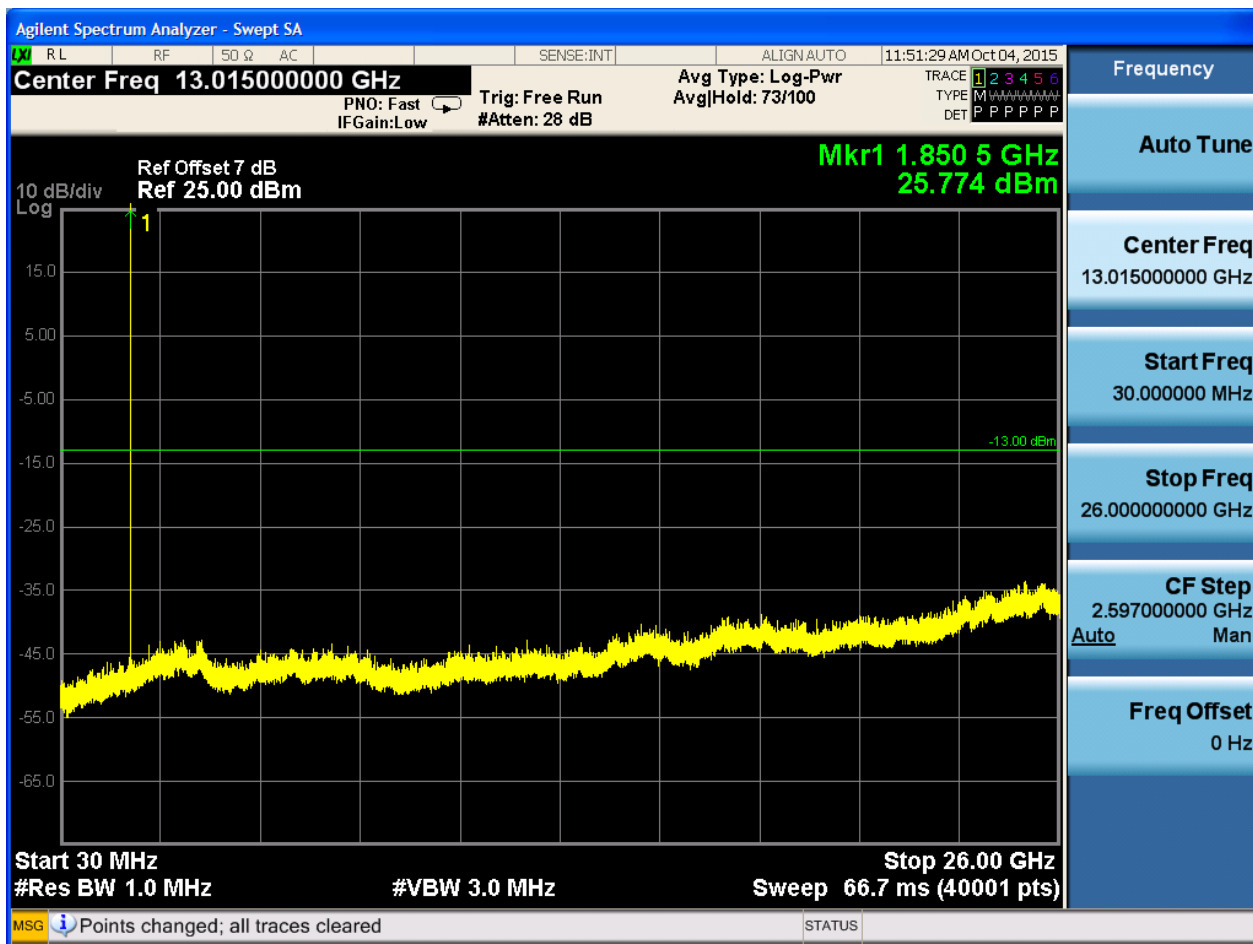
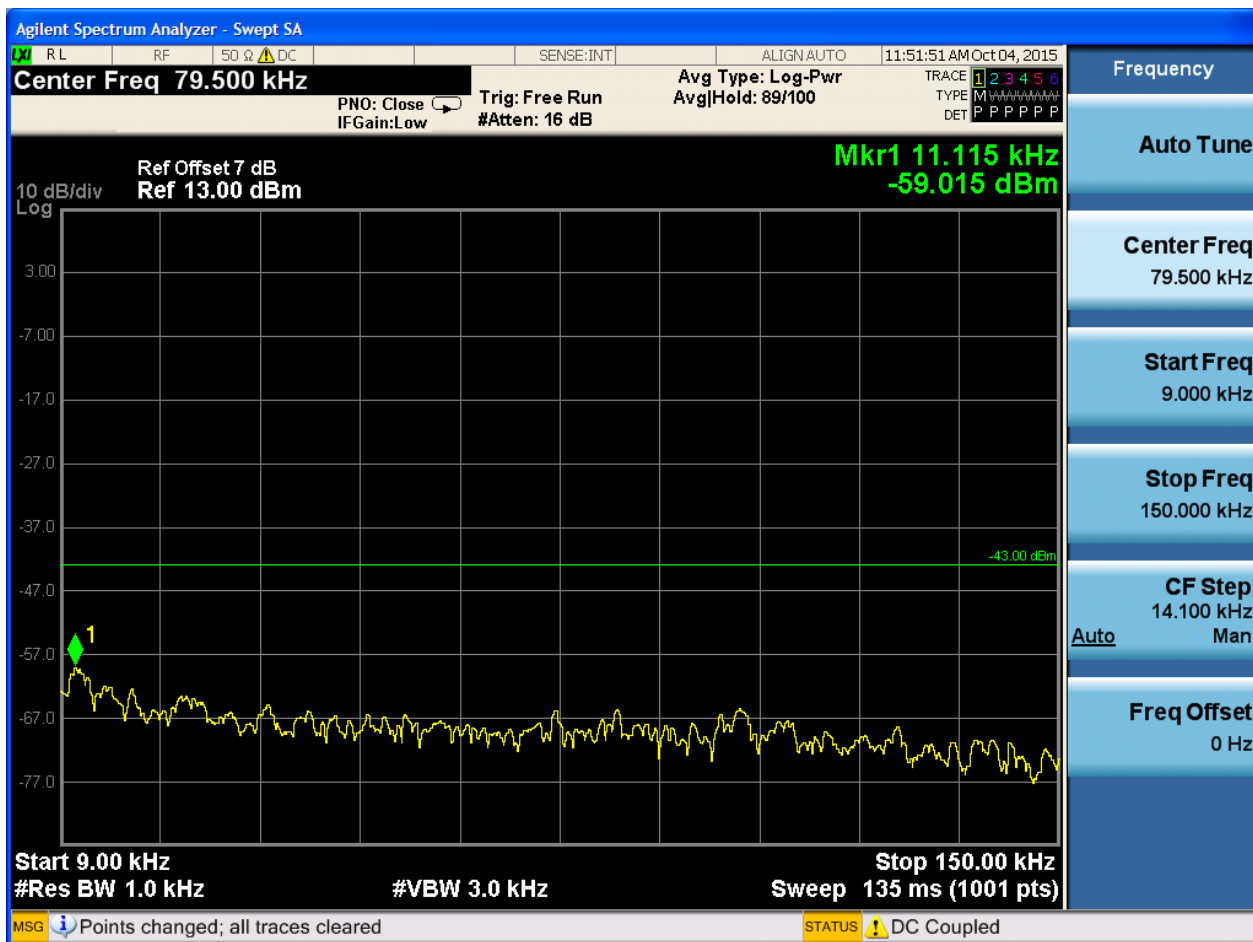


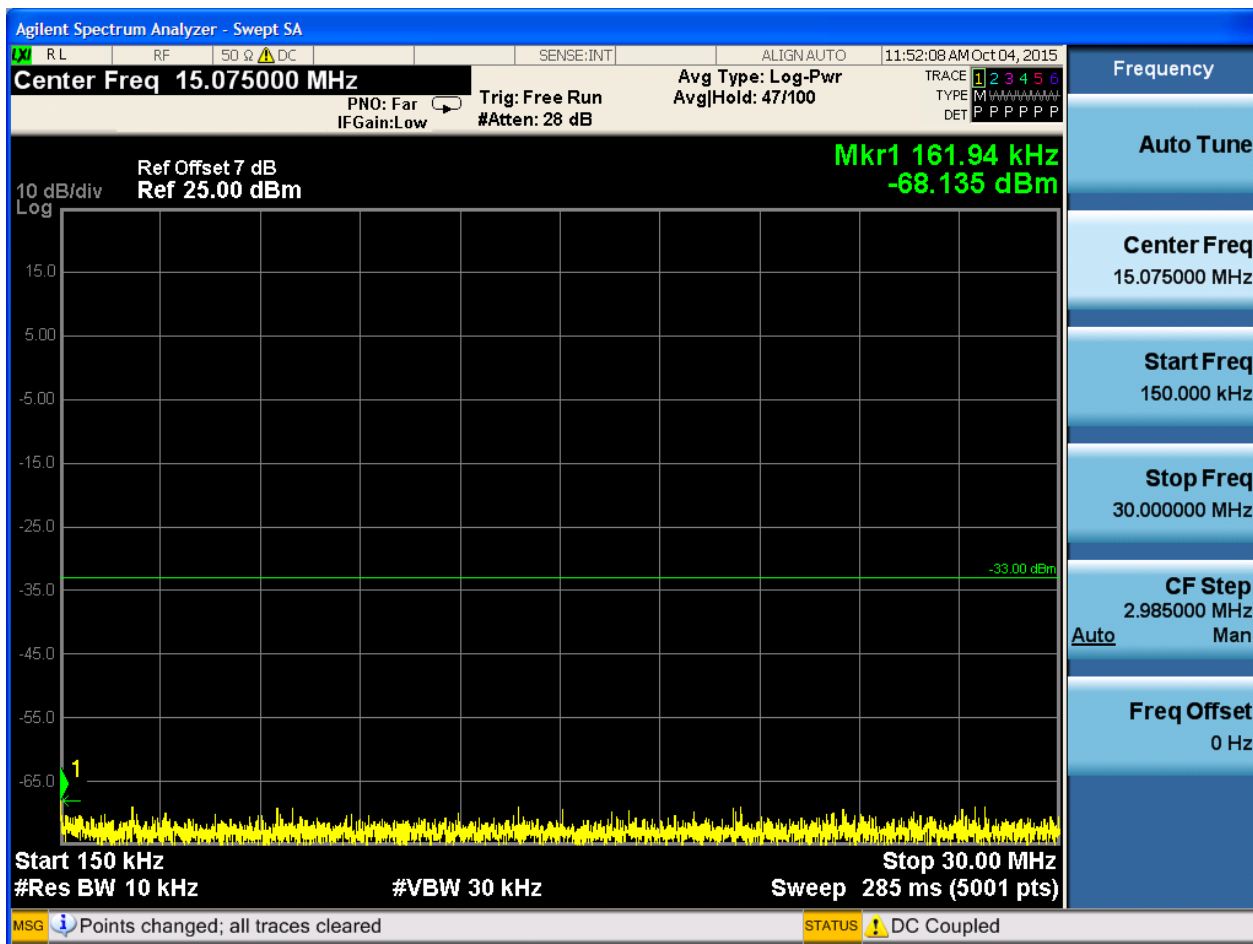


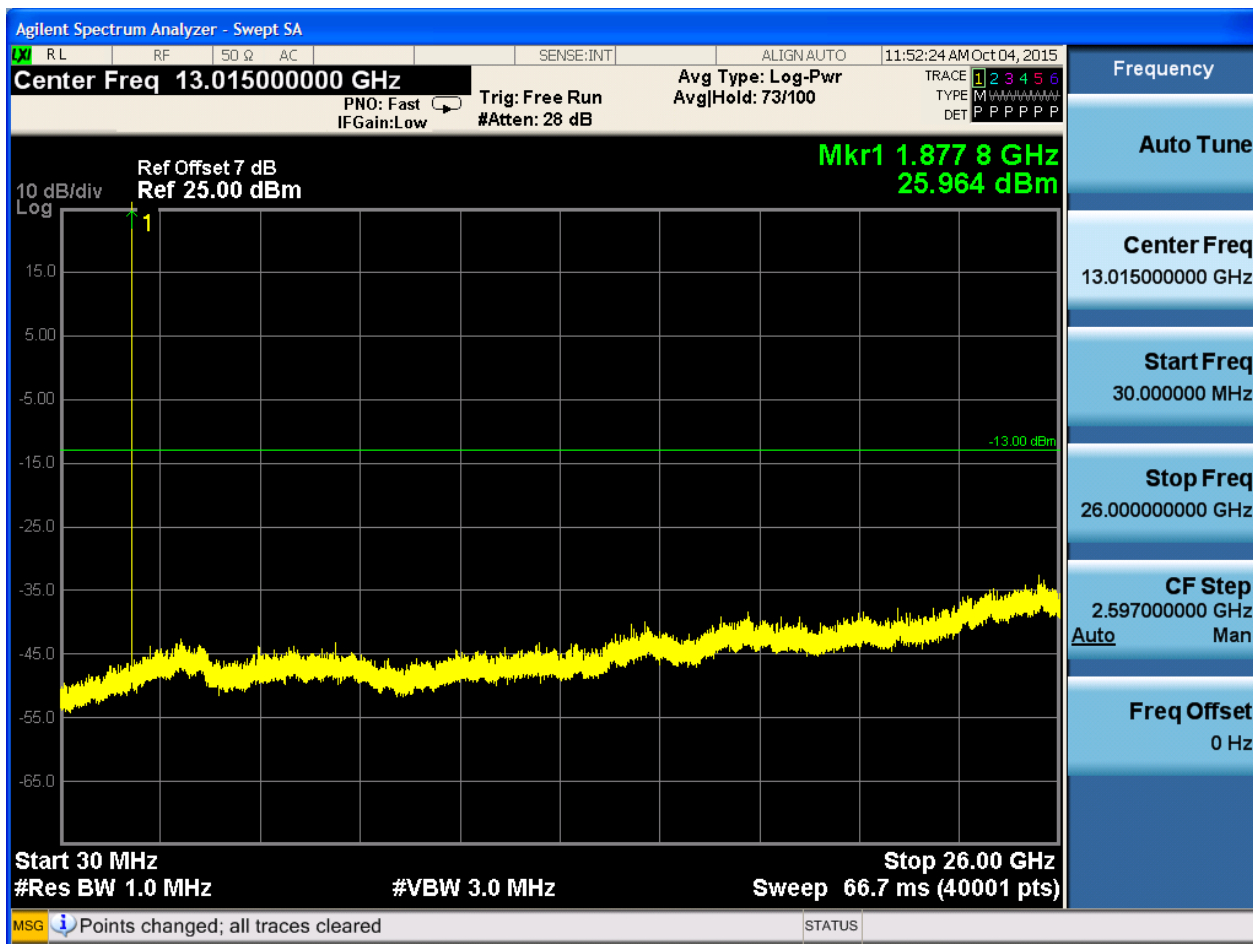


### 6.1.1.2.3.2 Test Channel = MCH

#### 6.1.1.2.3.2.1 Test RB = RB1#0



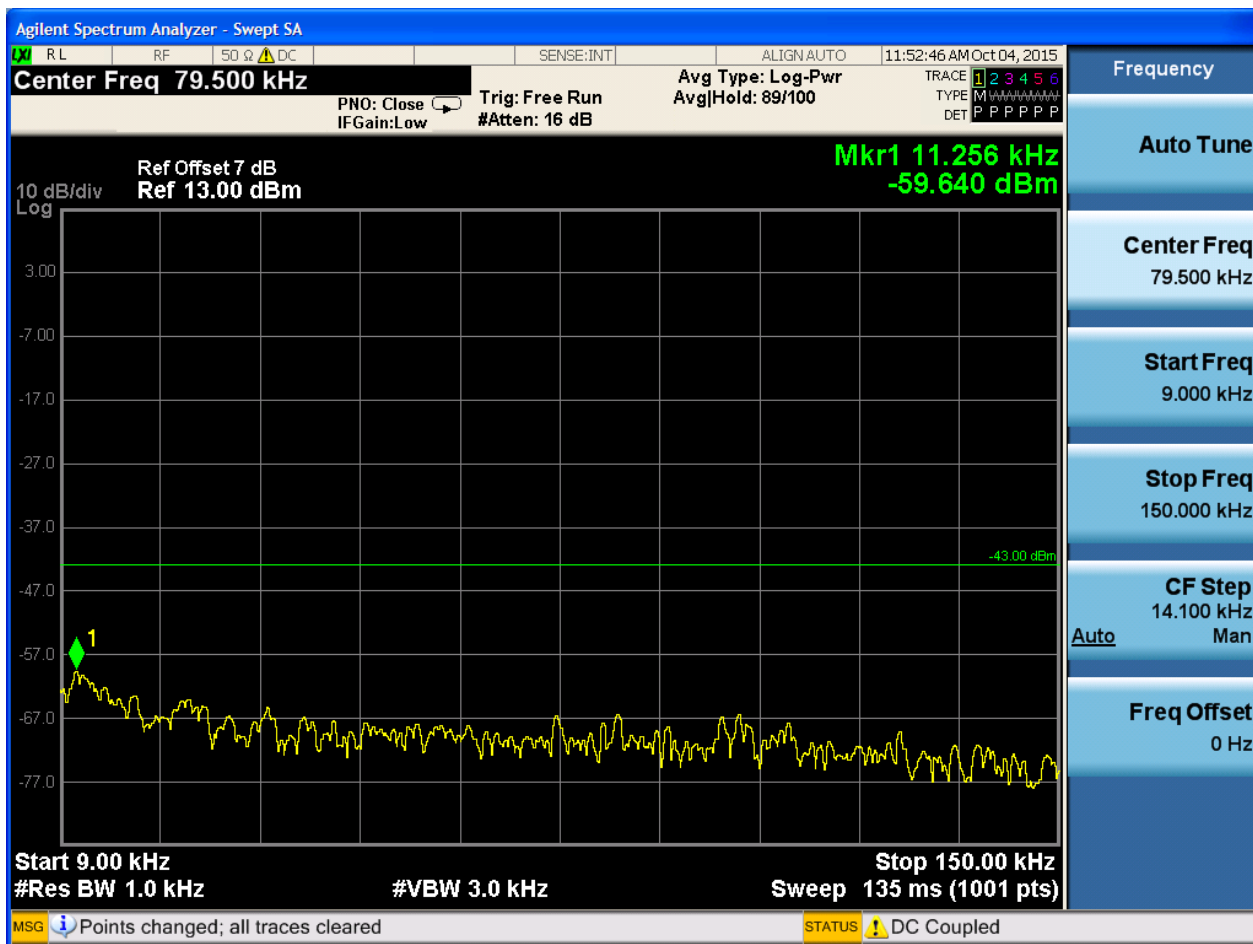


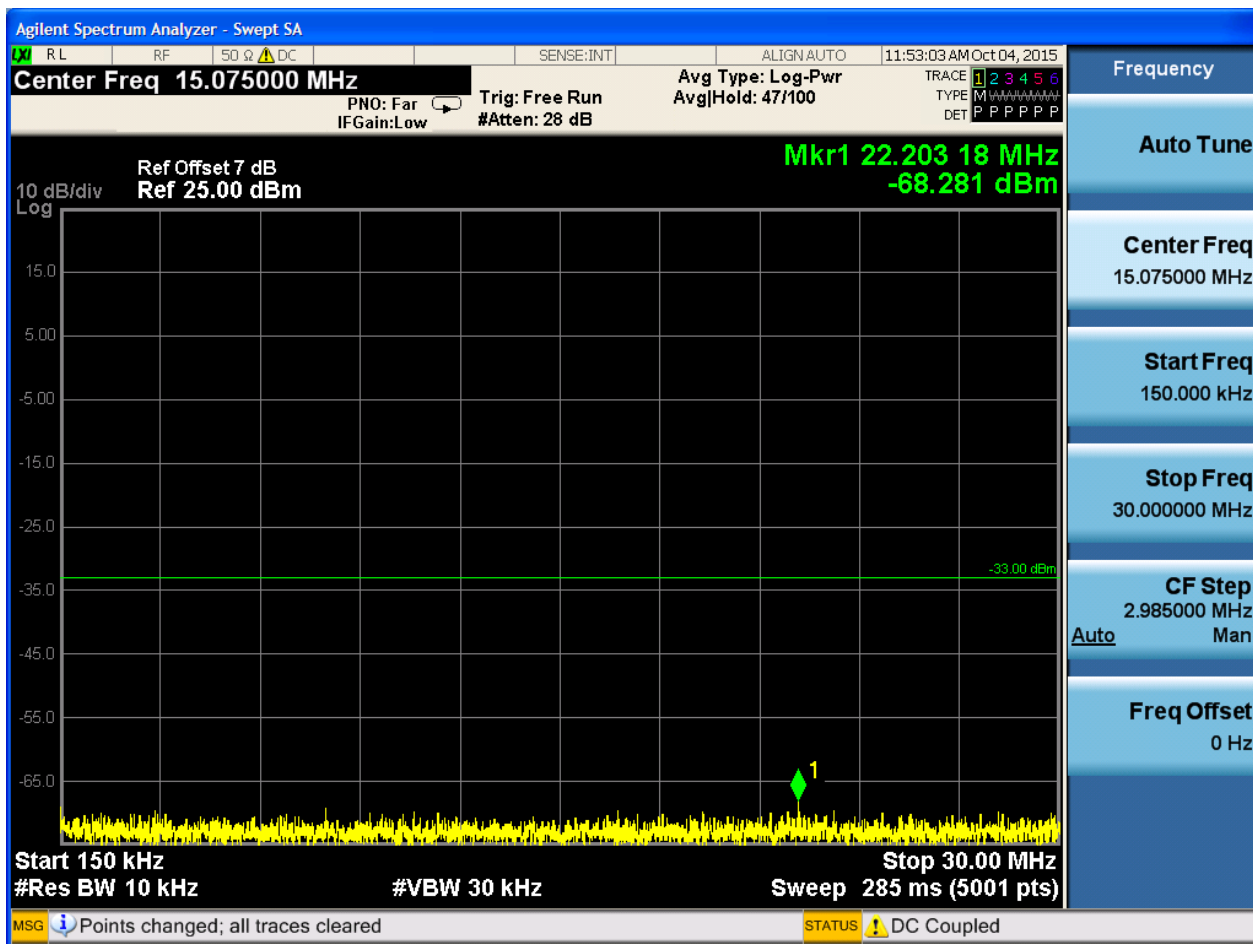


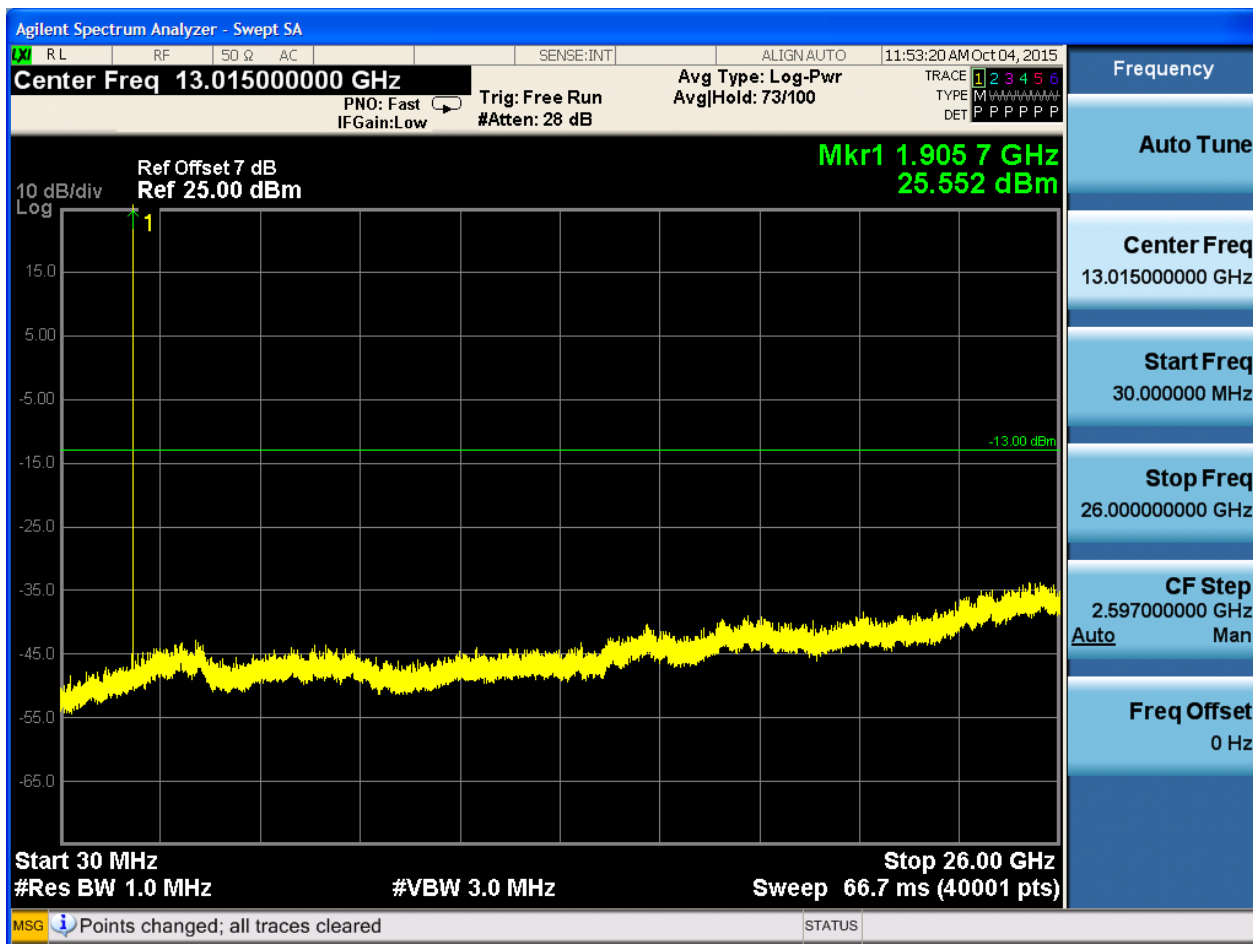


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0





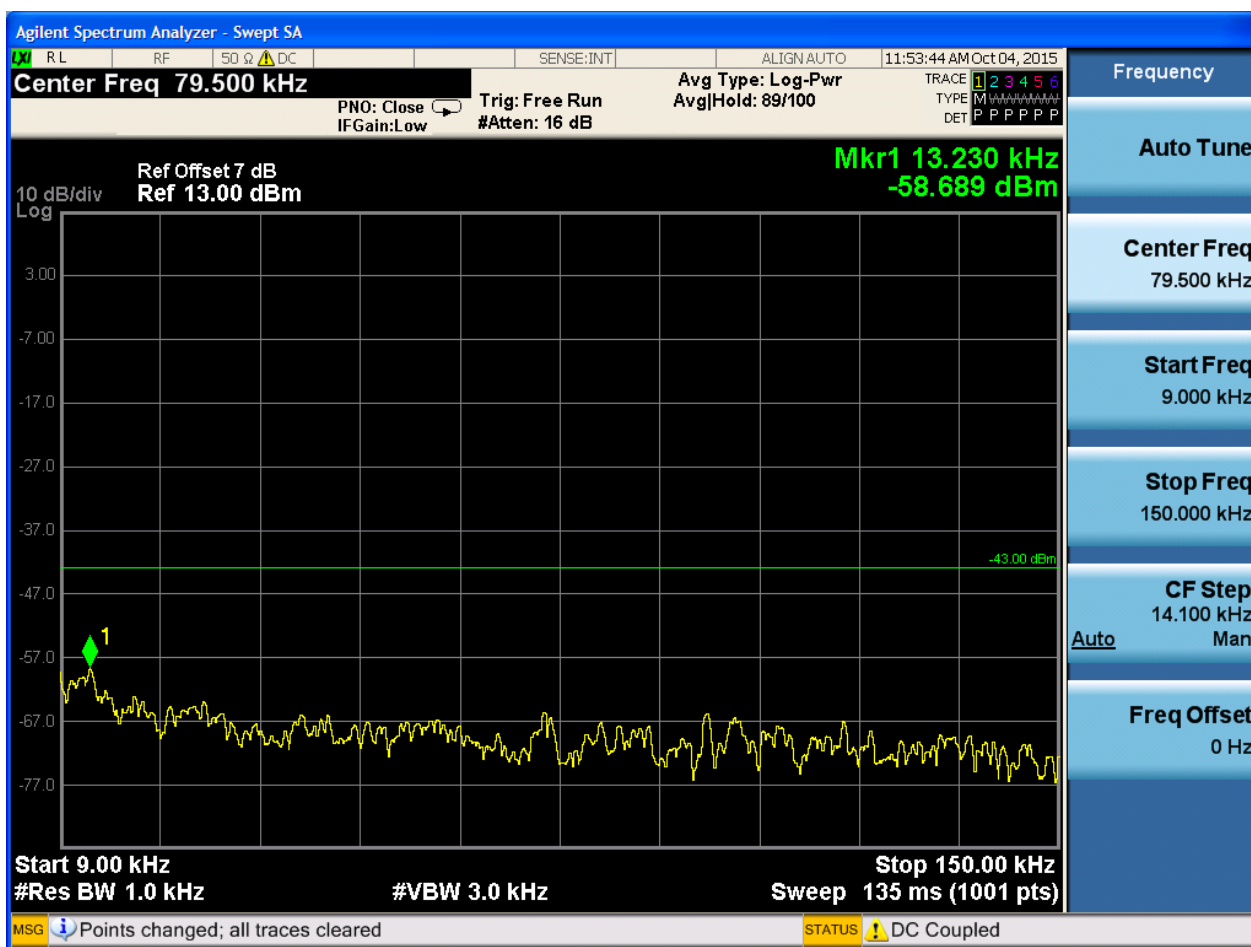




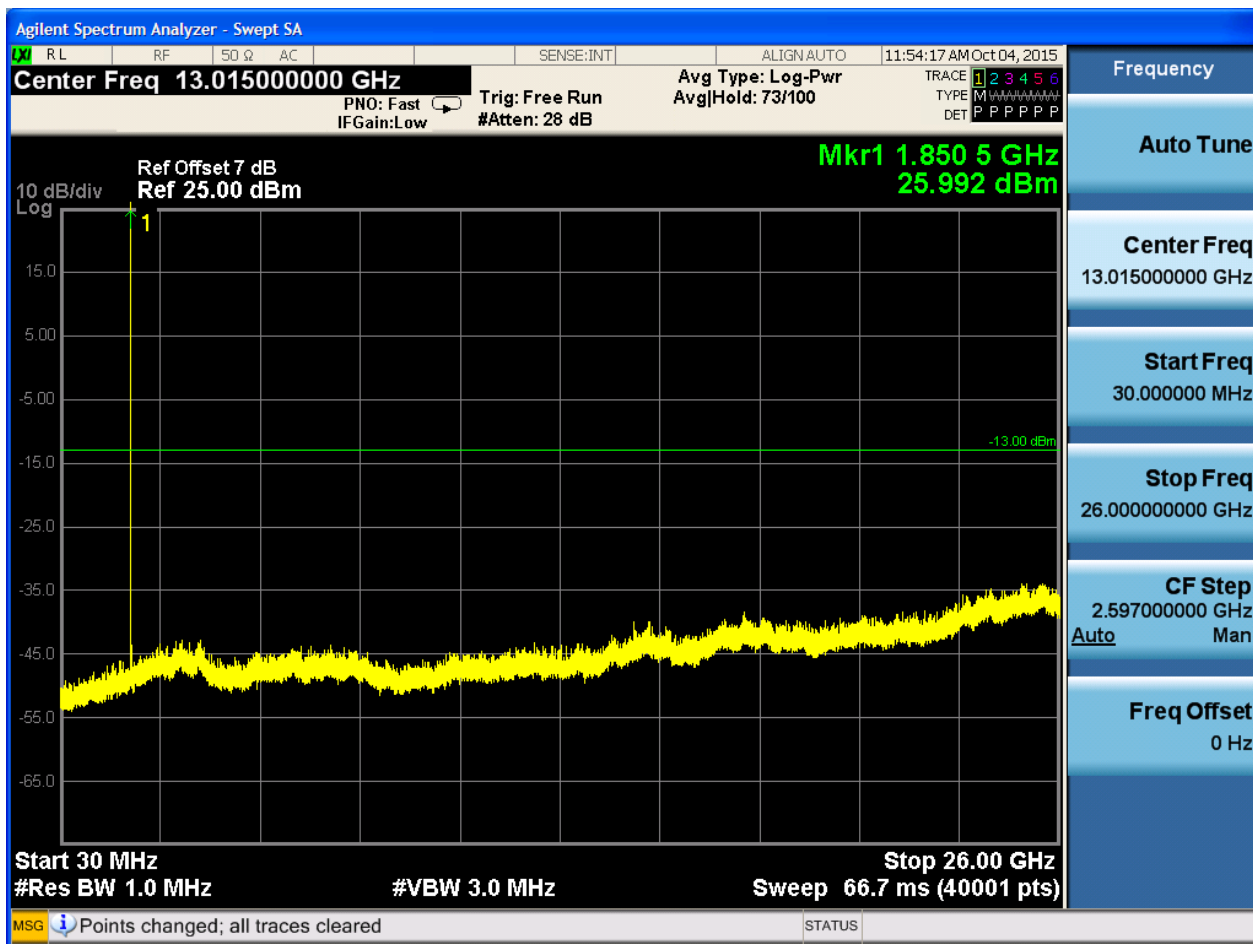
## 6.1.1.2.4 Test Bandwidth = 10

## 6.1.1.2.4.1 Test Channel = LCH

## 6.1.1.2.4.1.1 Test RB = RB1#0



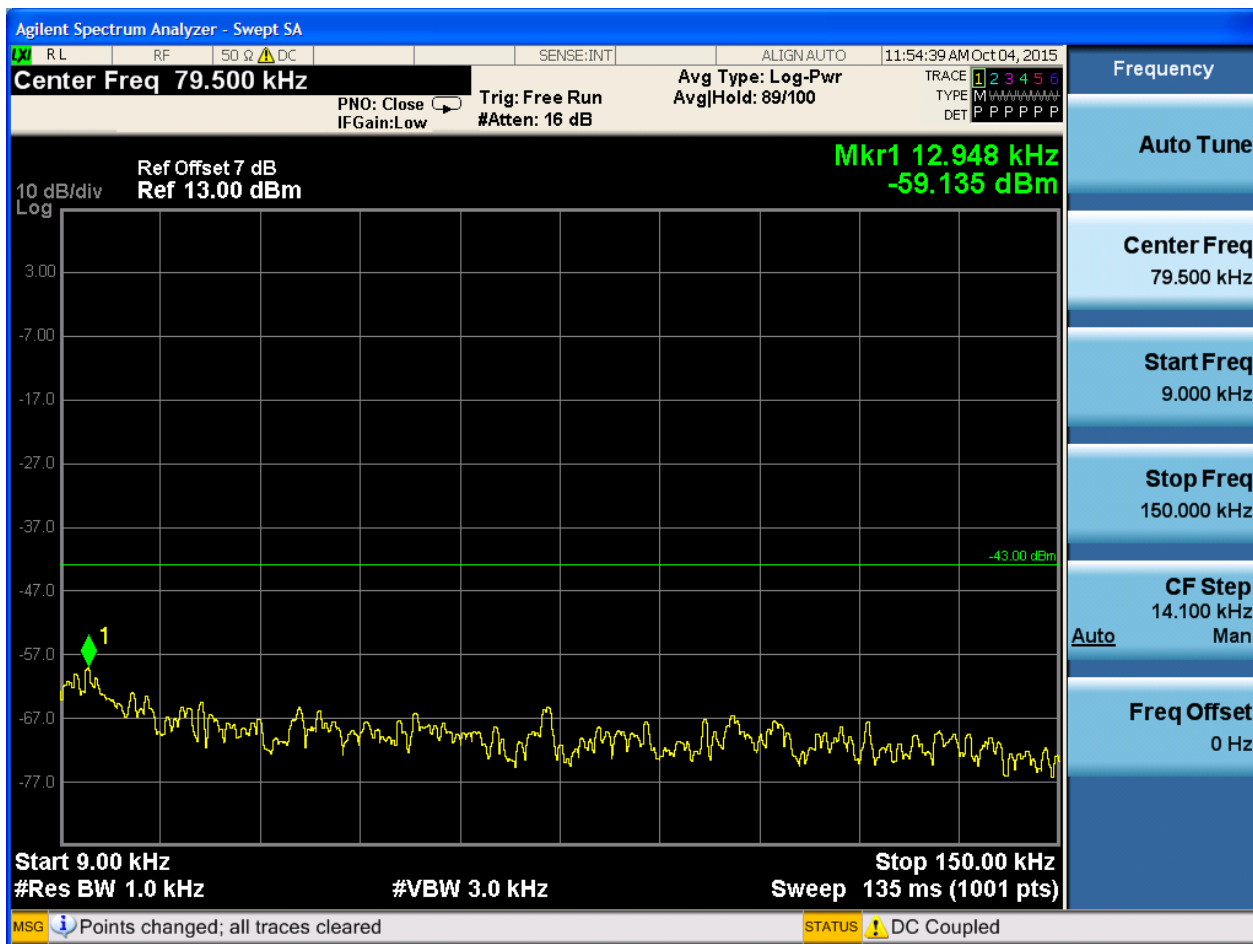


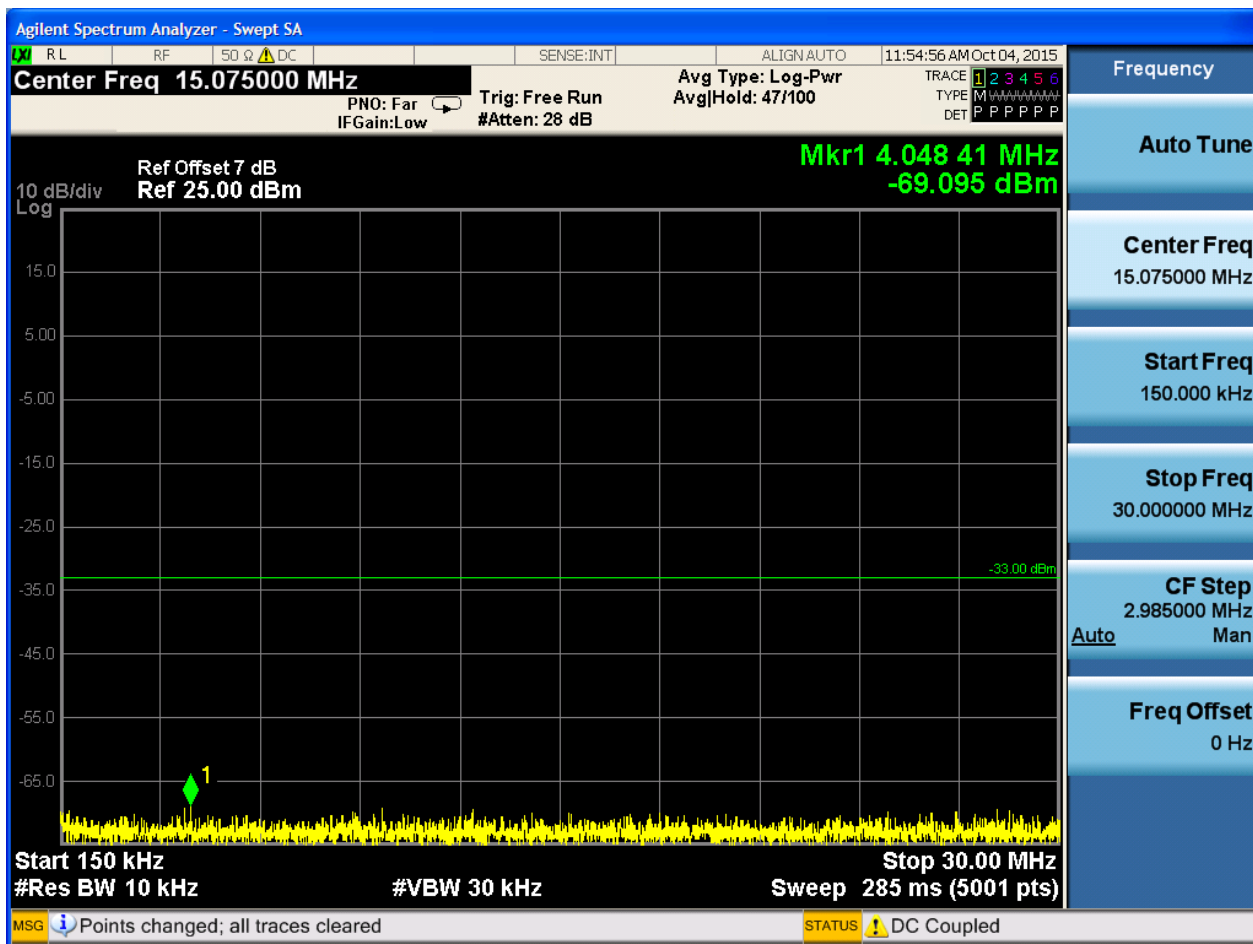


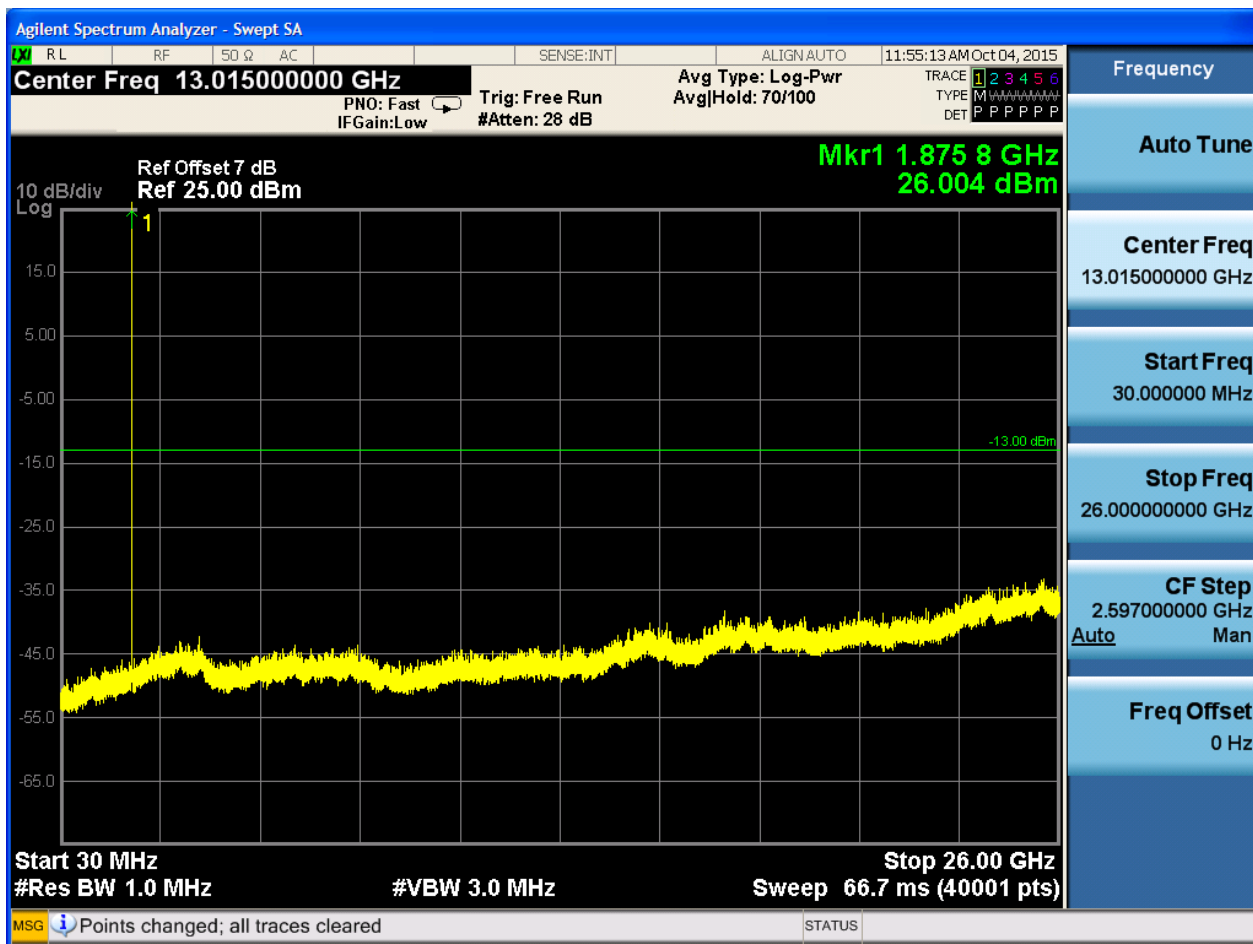


## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0

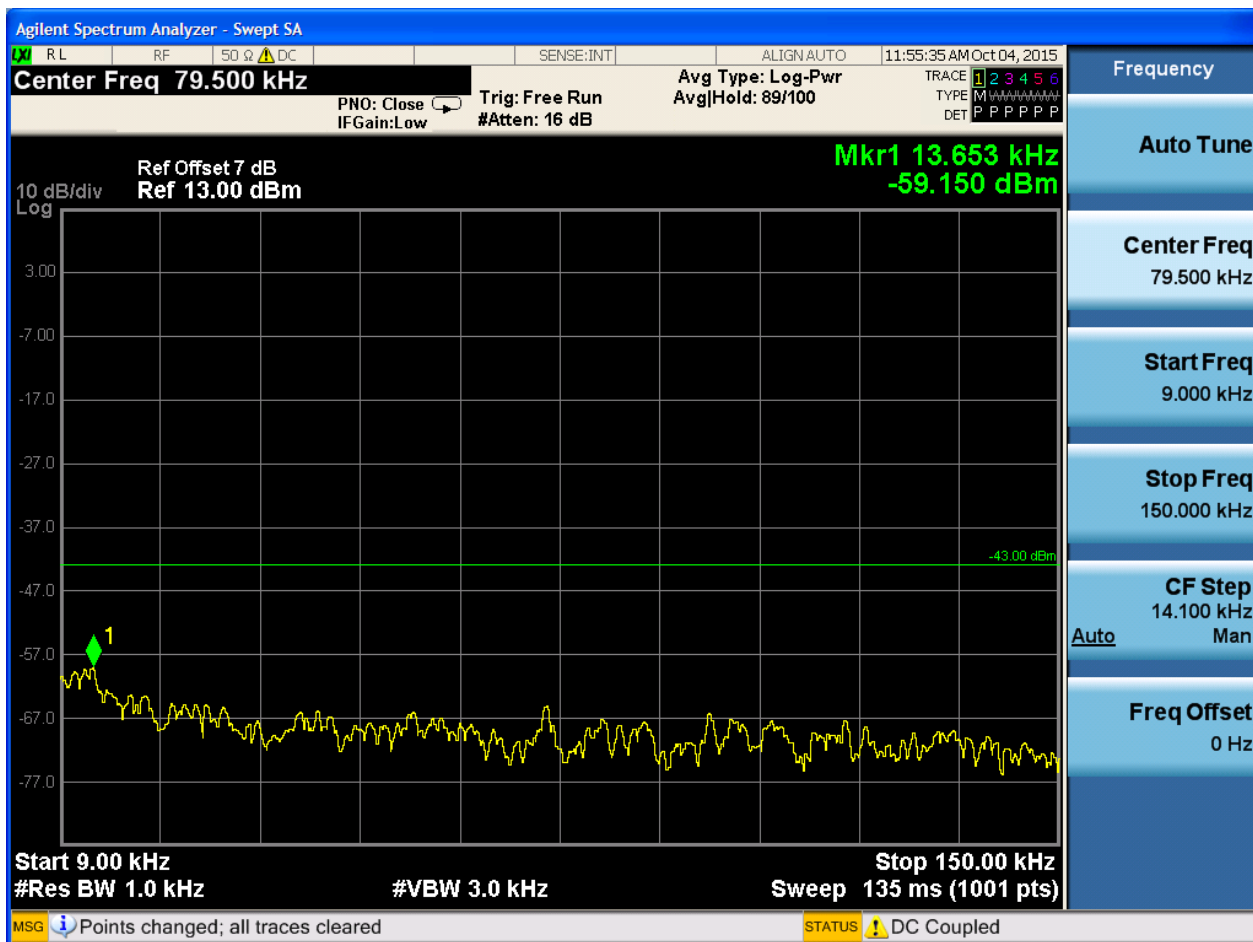


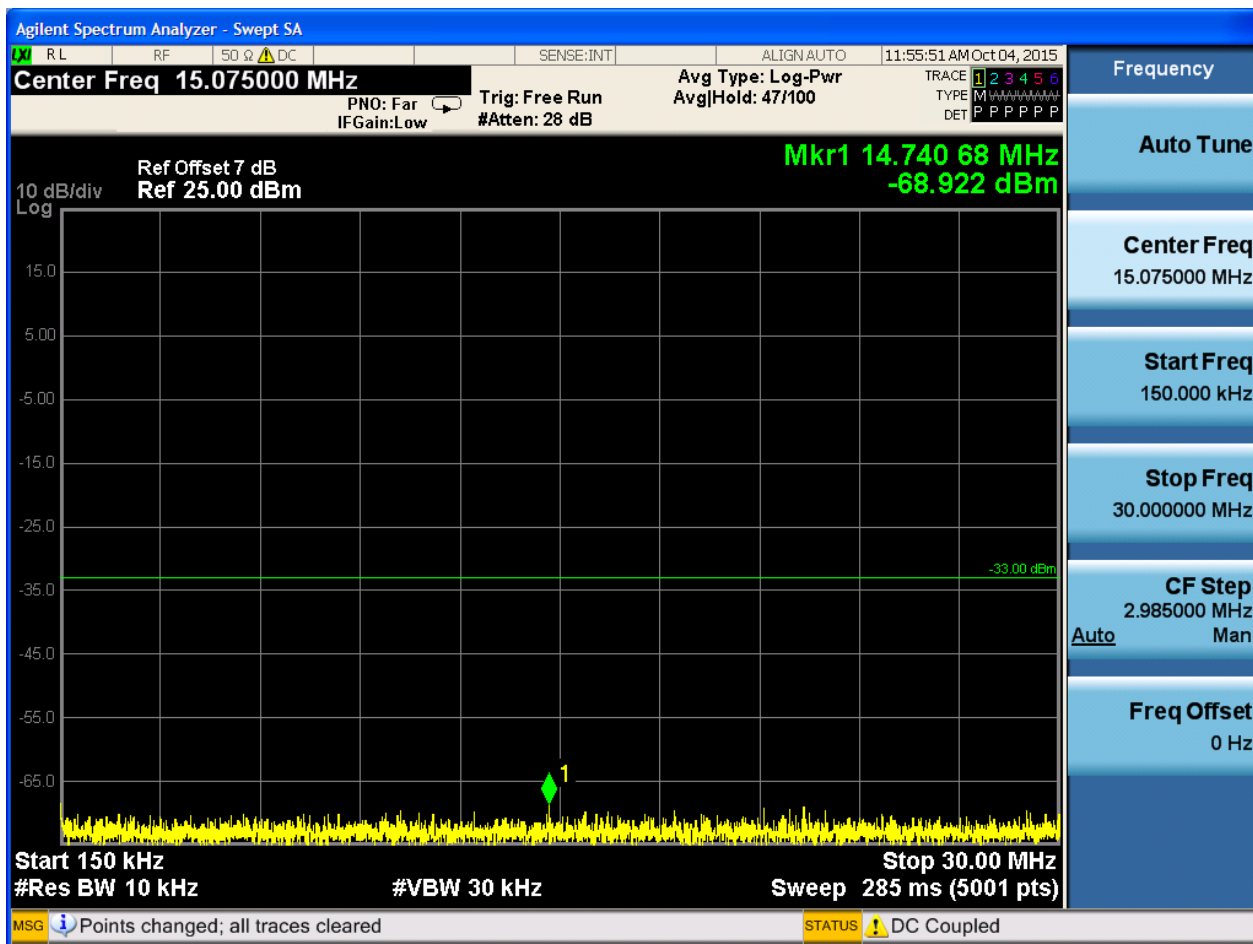


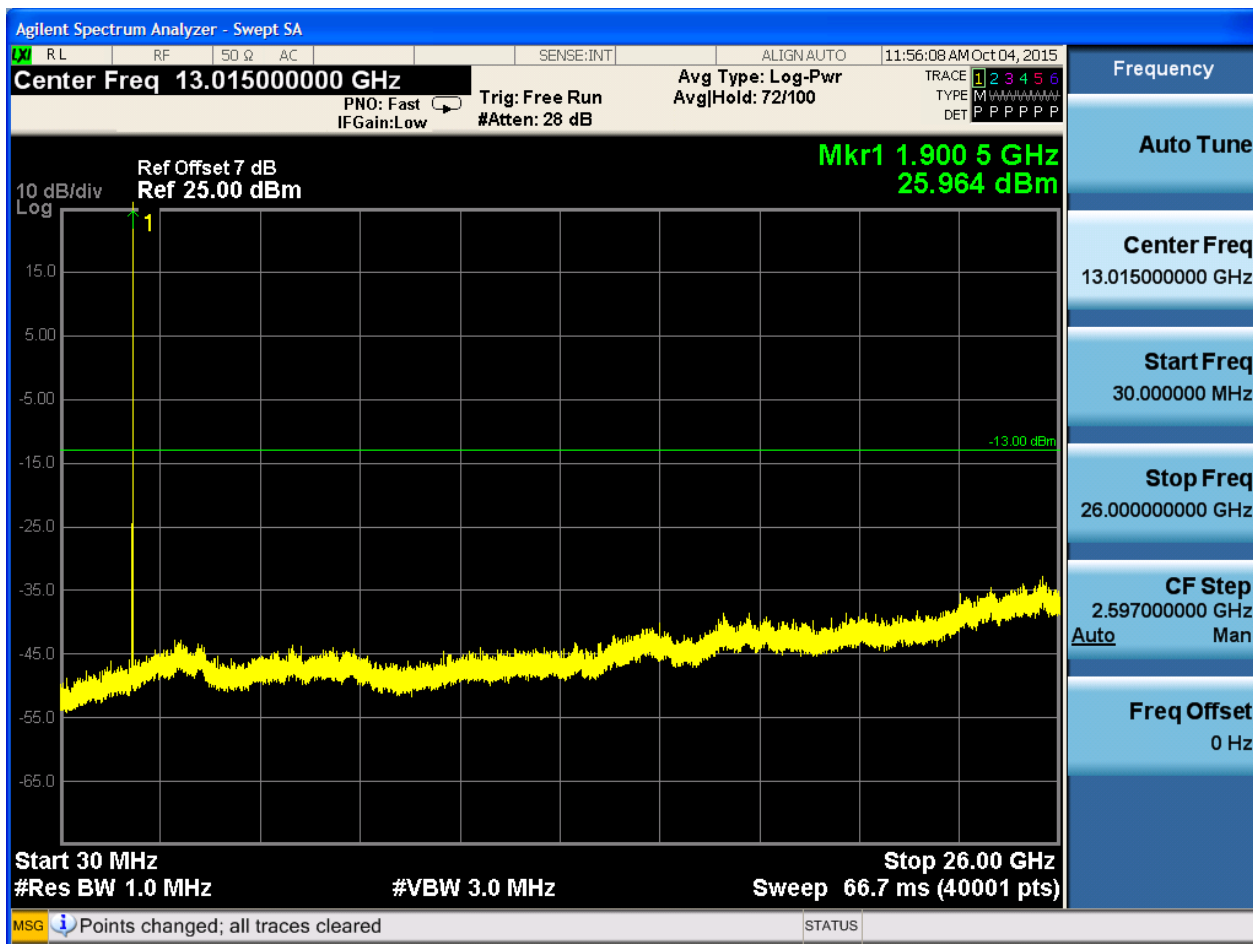


### 6.1.1.2.4.3 Test Channel = HCH

#### 6.1.1.2.4.3.1 Test RB = RB1#0





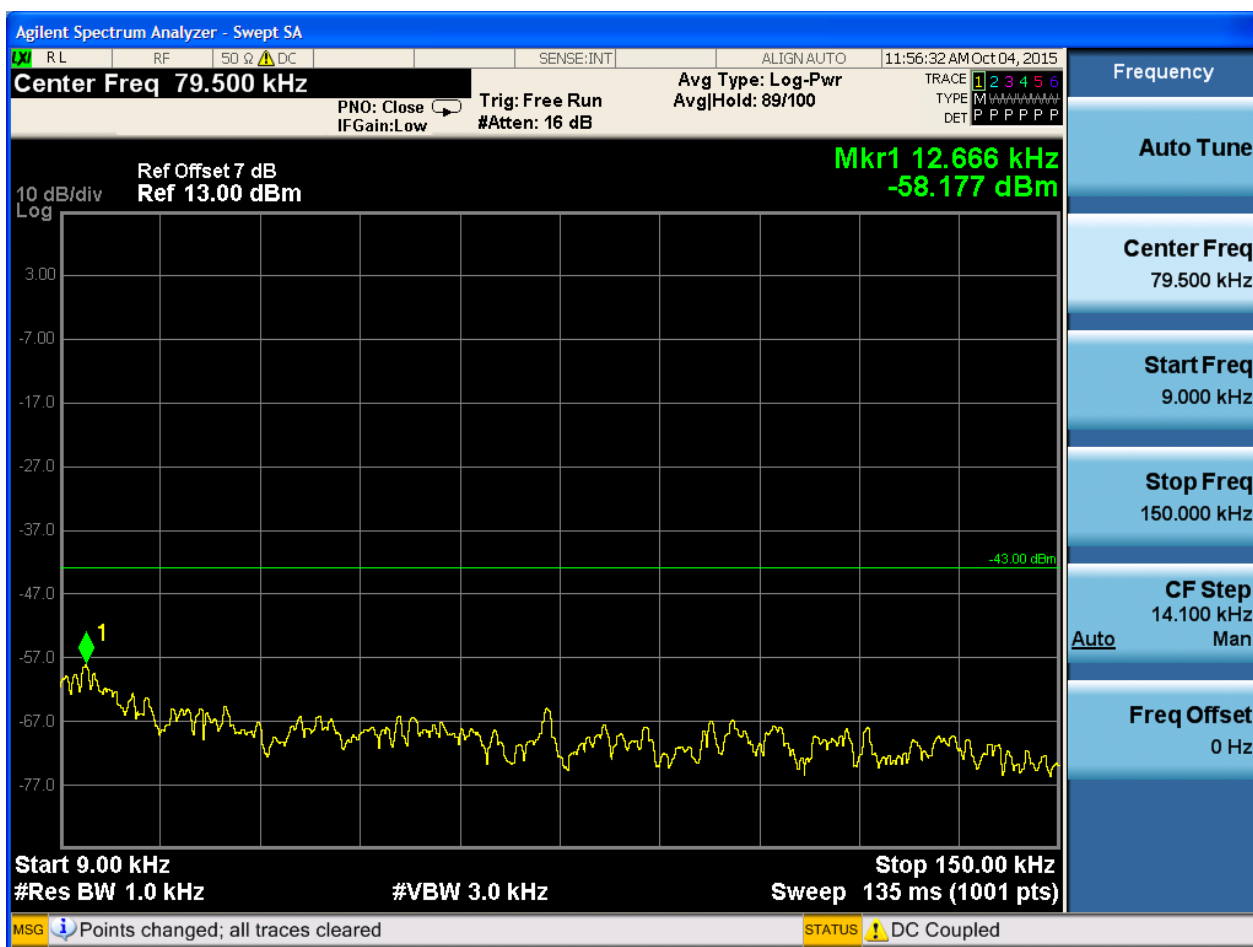




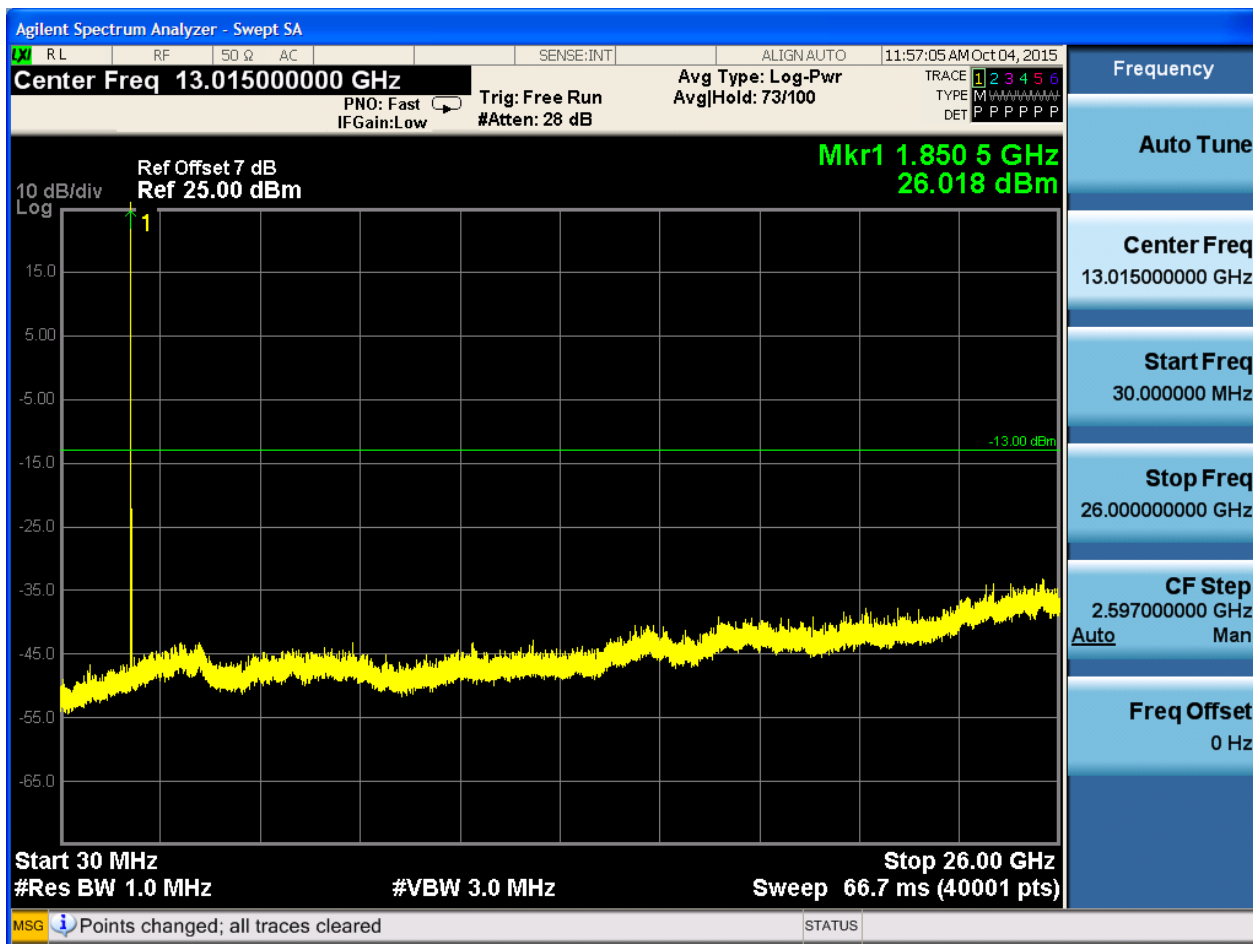
## 6.1.1.2.5 Test Bandwidth = 15

## 6.1.1.2.5.1 Test Channel = LCH

## 6.1.1.2.5.1.1 Test RB = RB1#0



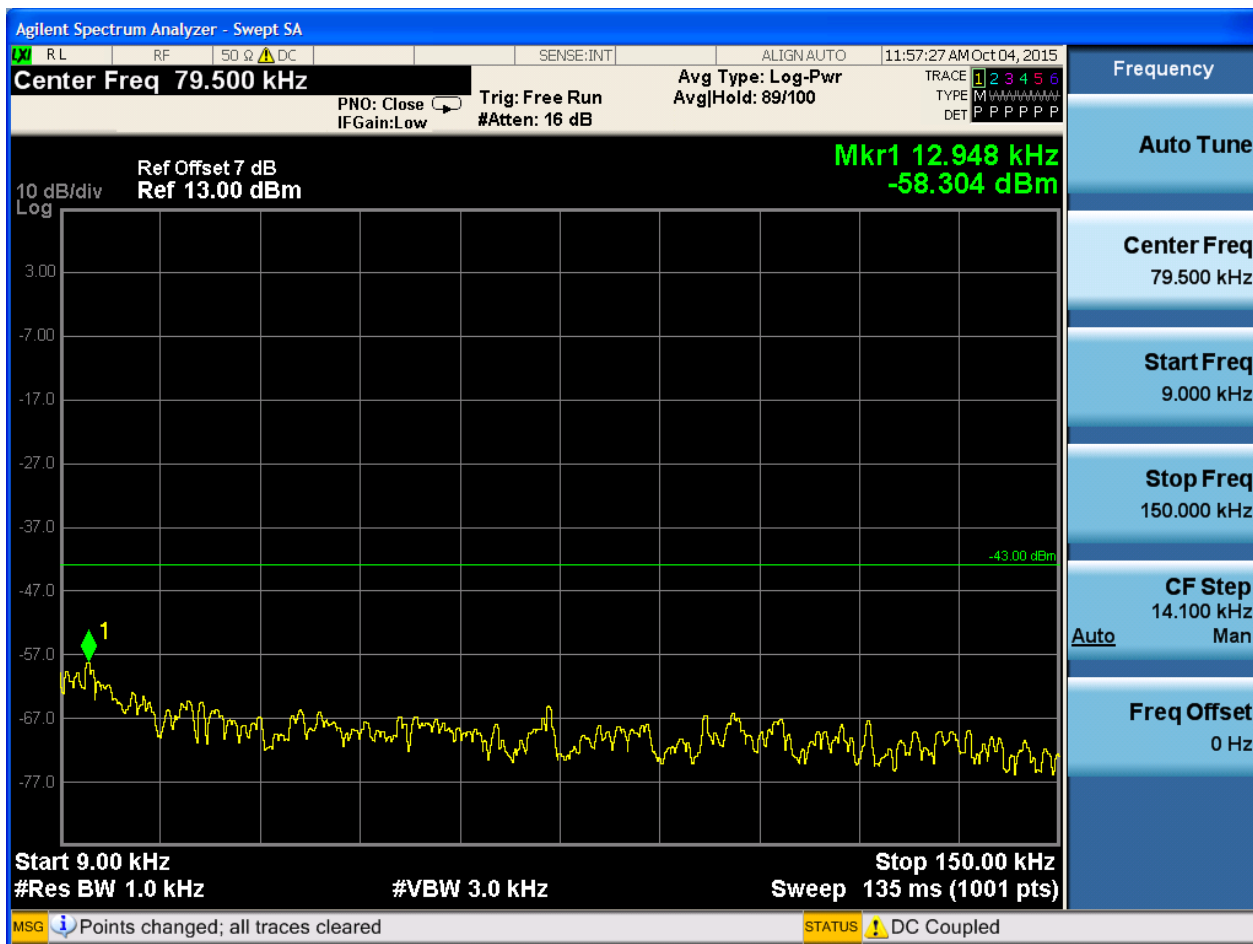




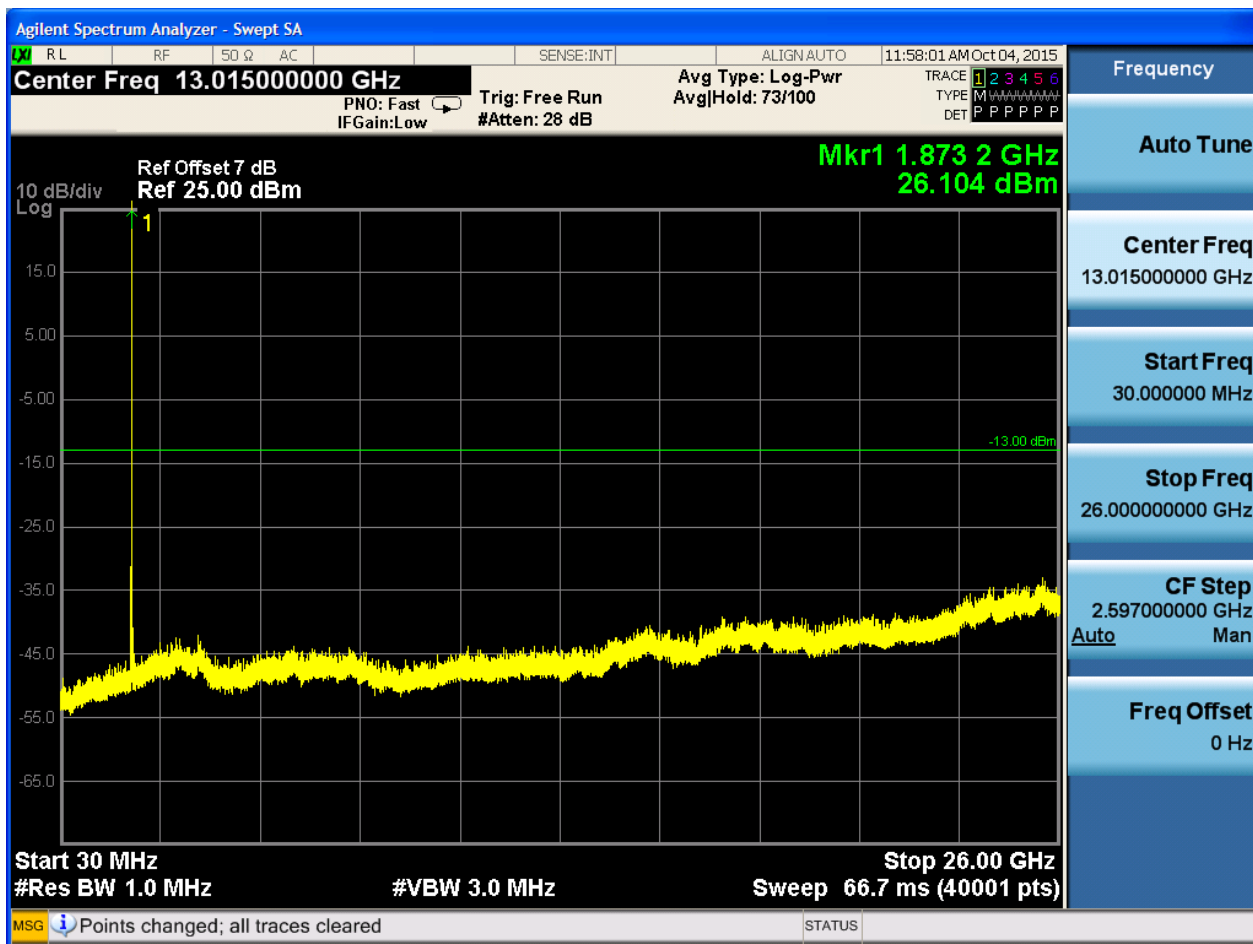


## 6.1.1.2.5.2 Test Channel = MCH

## 6.1.1.2.5.2.1 Test RB = RB1#0

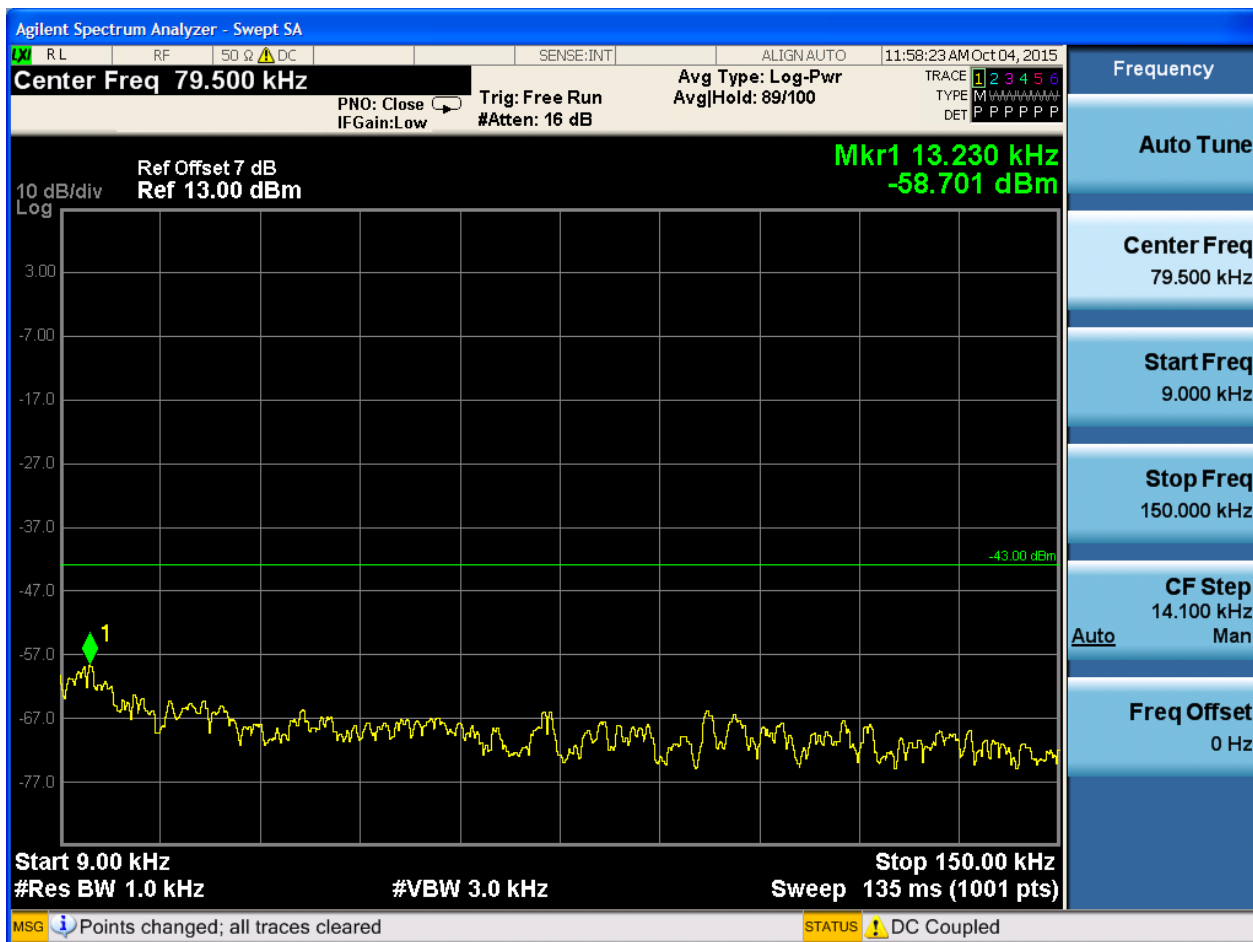




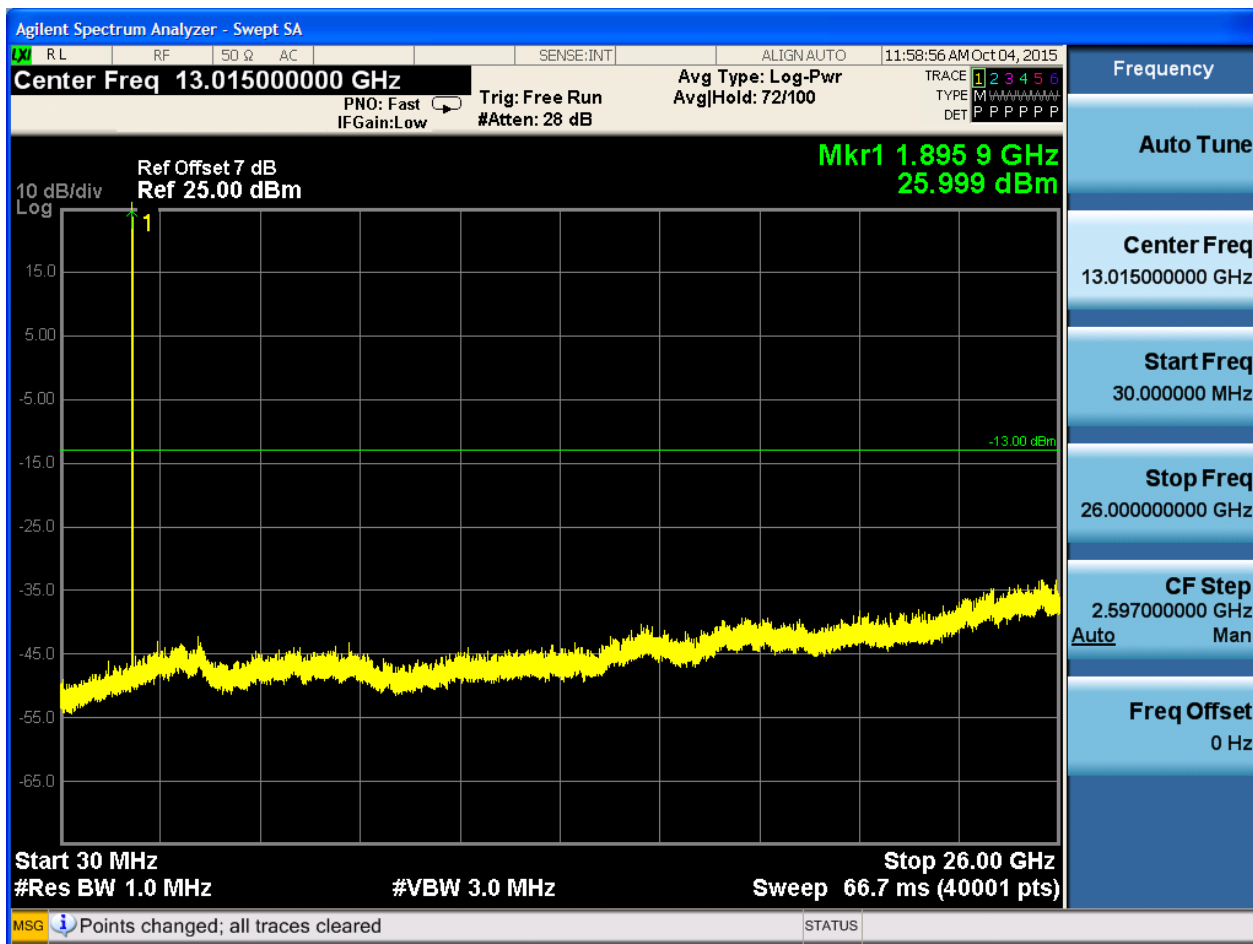


### 6.1.1.2.5.3 Test Channel = HCH

#### 6.1.1.2.5.3.1 Test RB = RB1#0





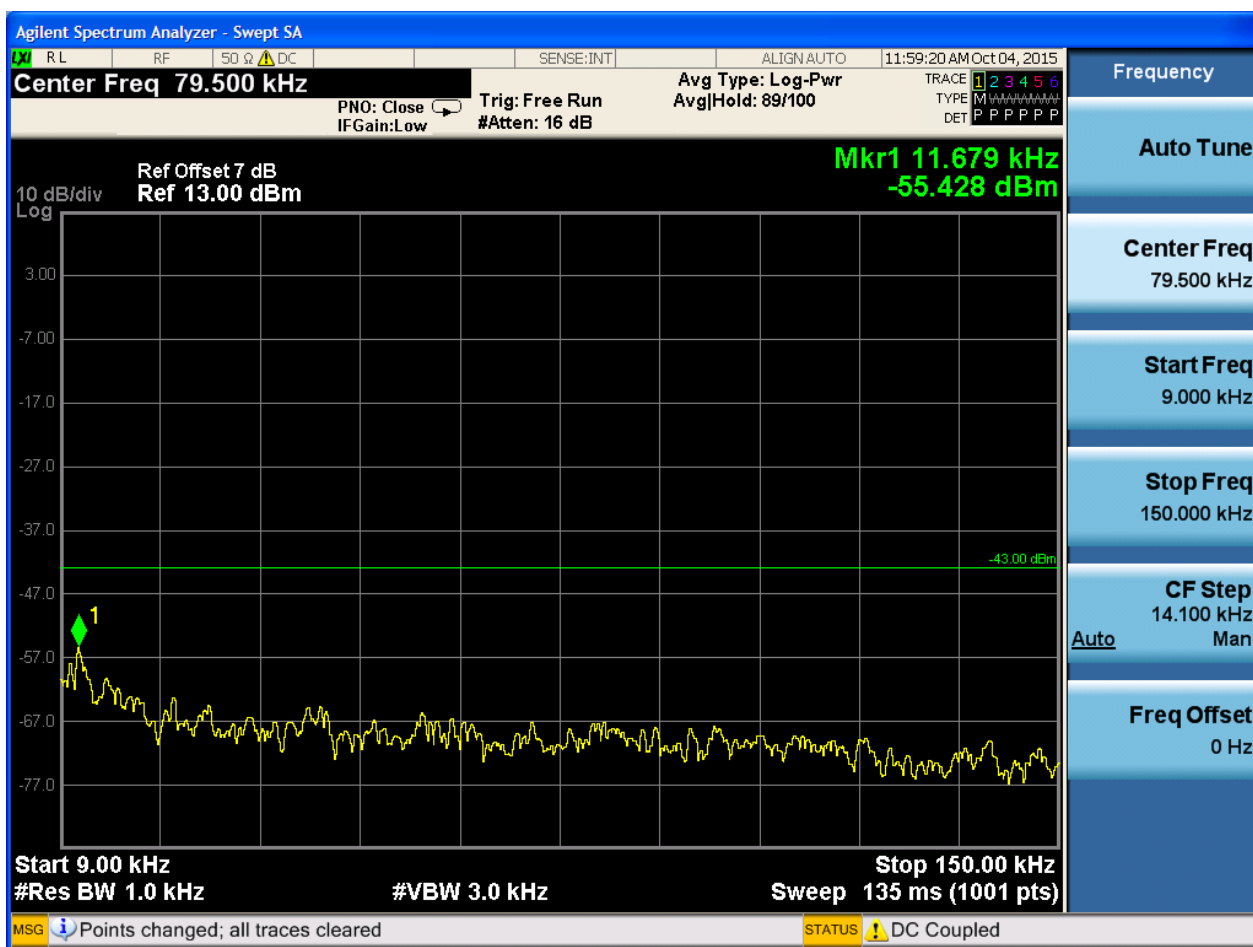


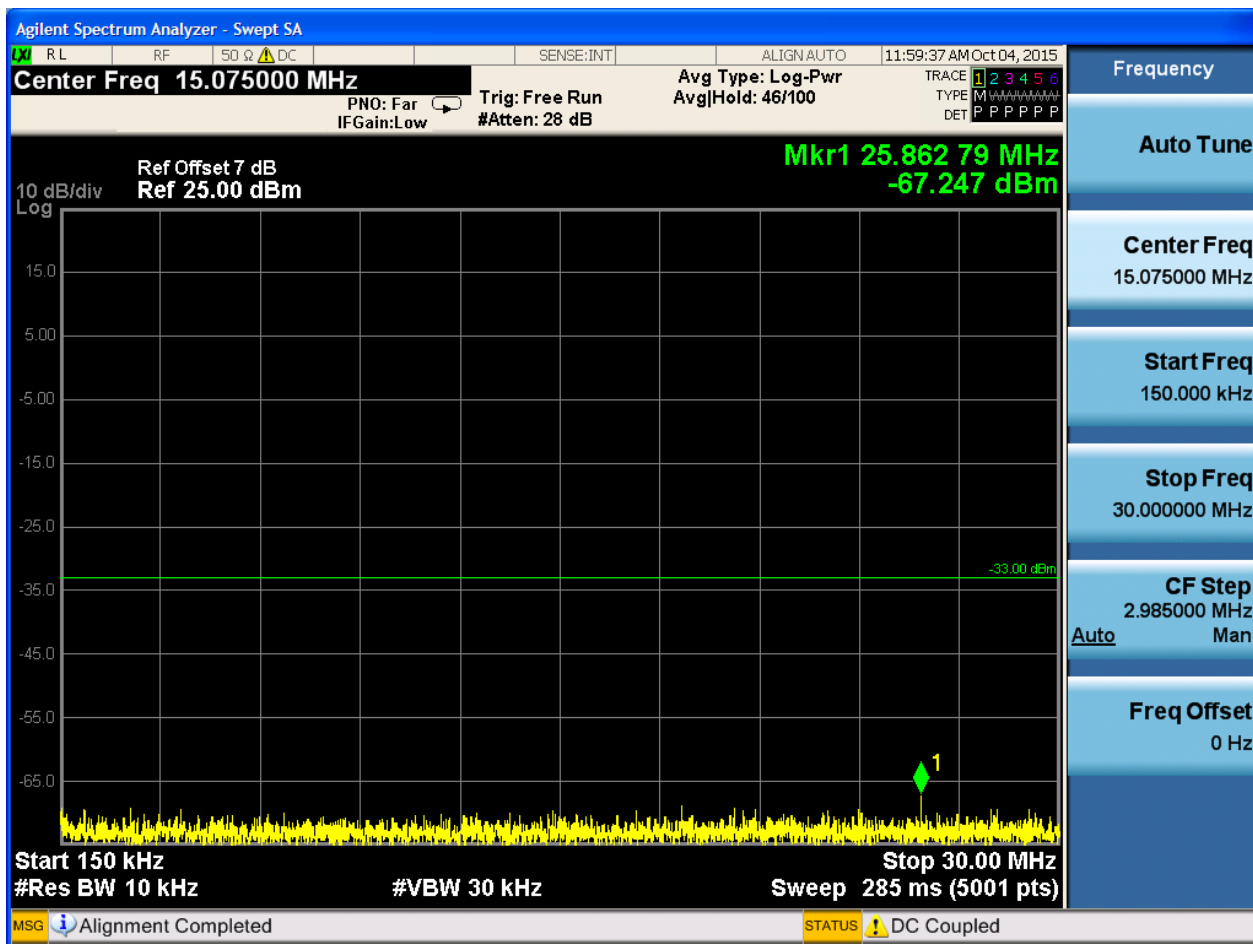


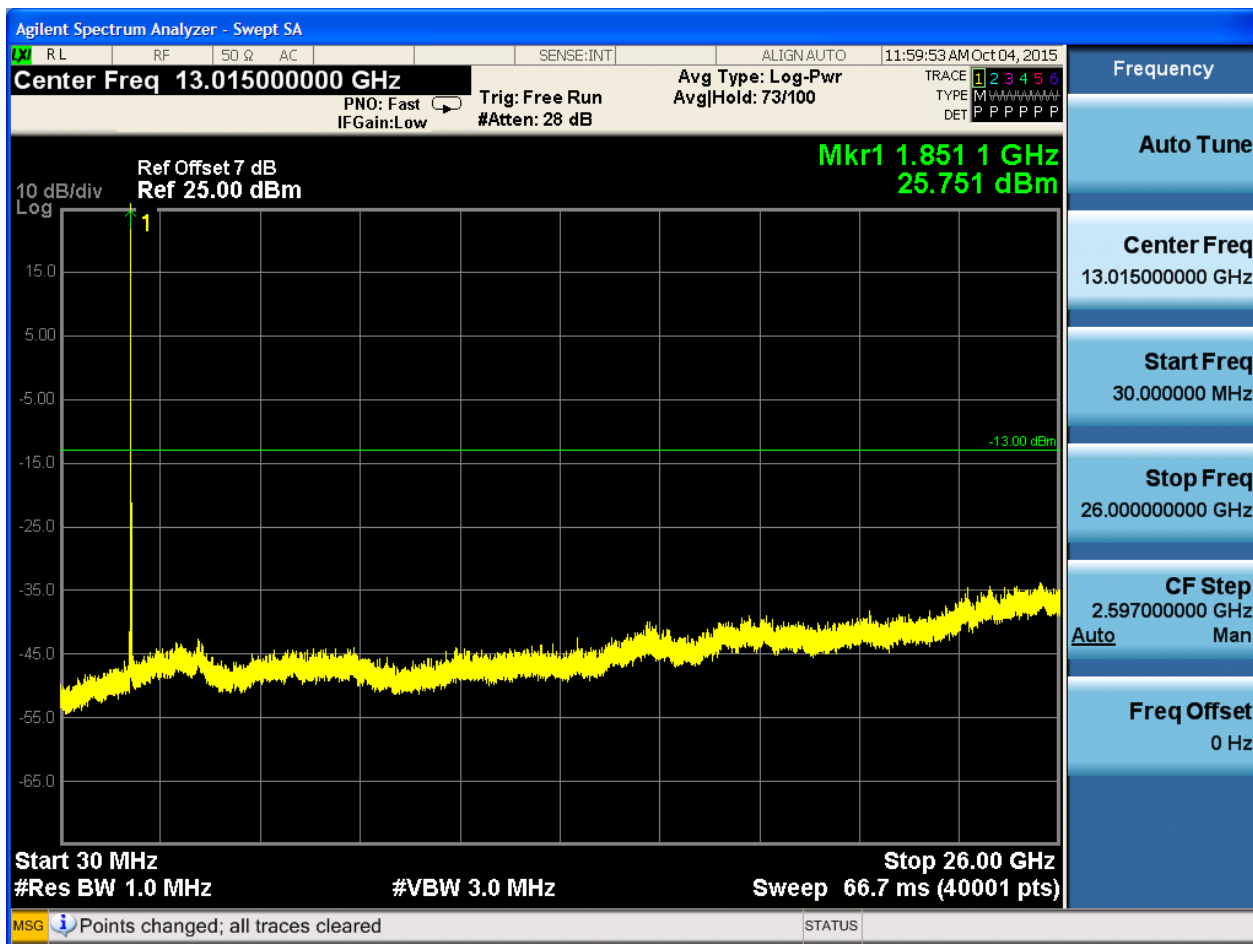
## 6.1.1.2.6 Test Bandwidth = 20

## 6.1.1.2.6.1 Test Channel = LCH

## 6.1.1.2.6.1.1 Test RB = RB1#0



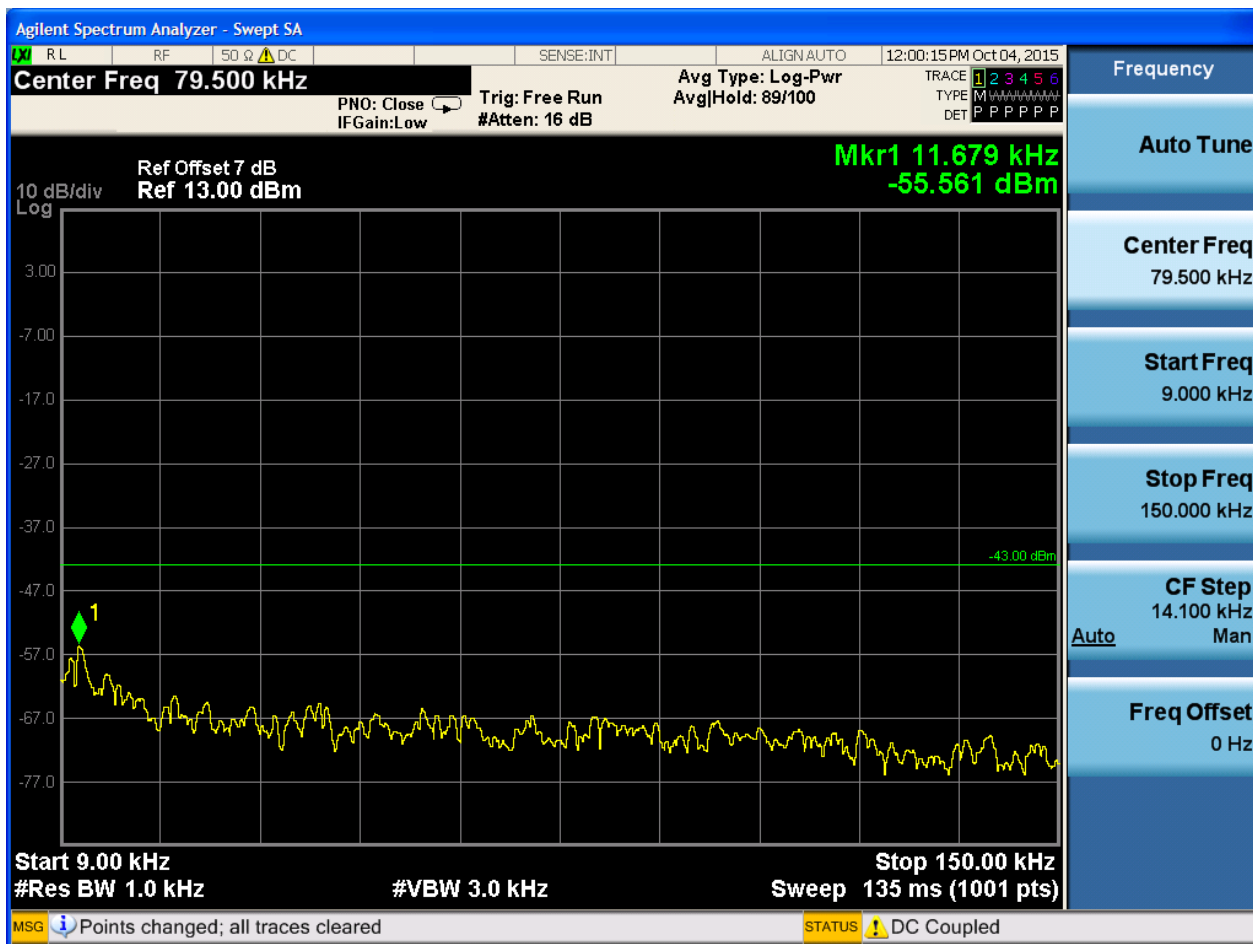


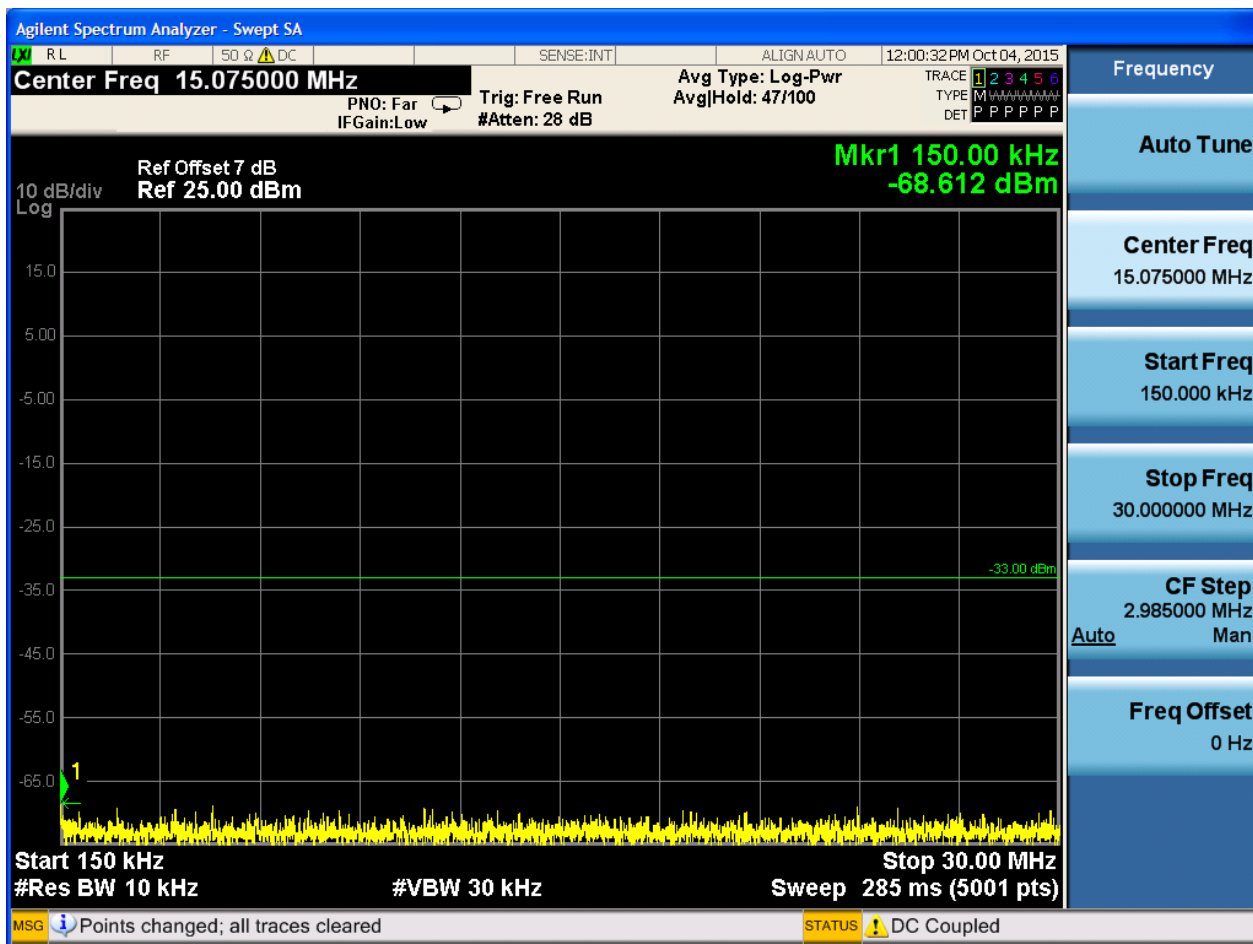


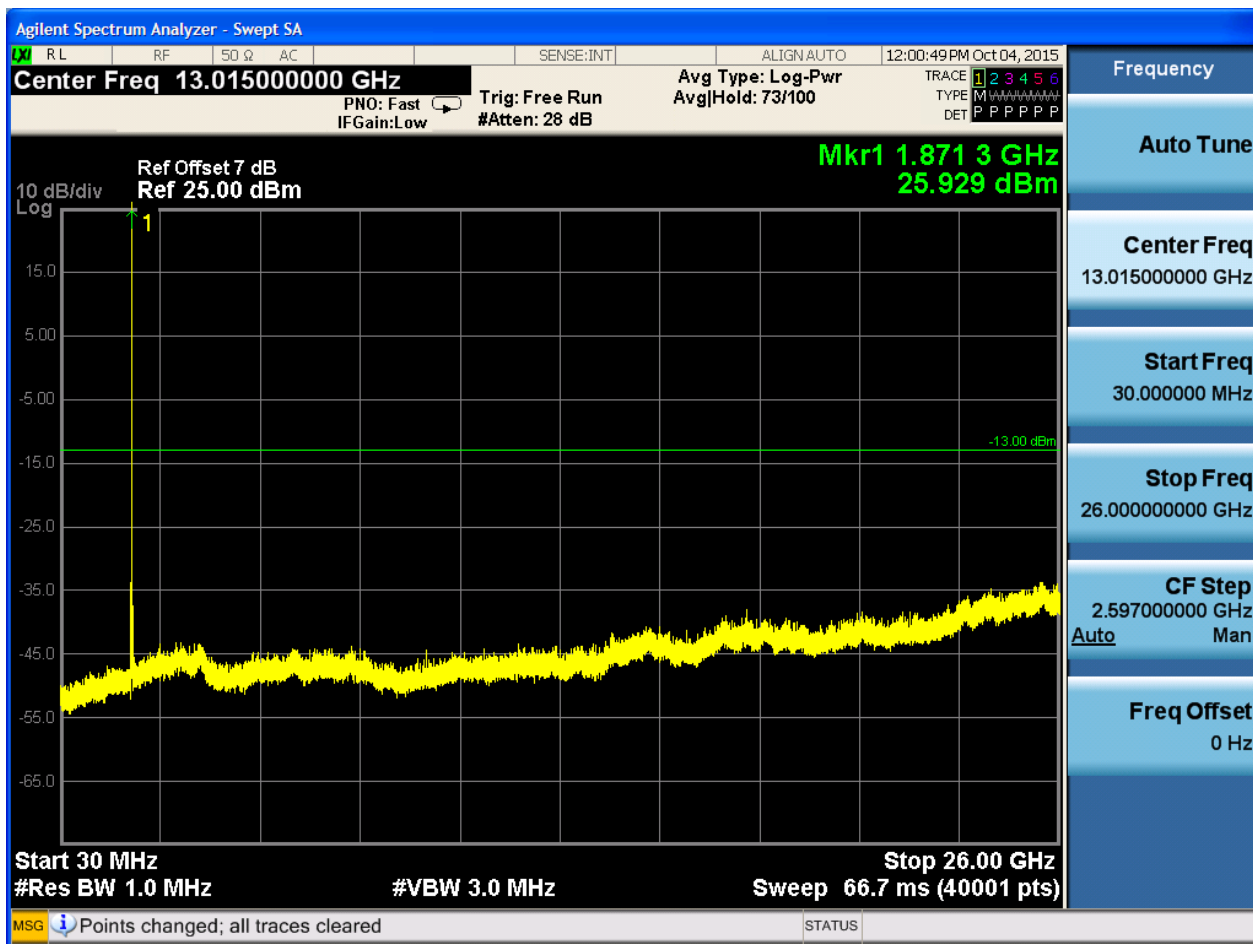


## 6.1.1.2.6.2 Test Channel = MCH

## 6.1.1.2.6.2.1 Test RB = RB1#0

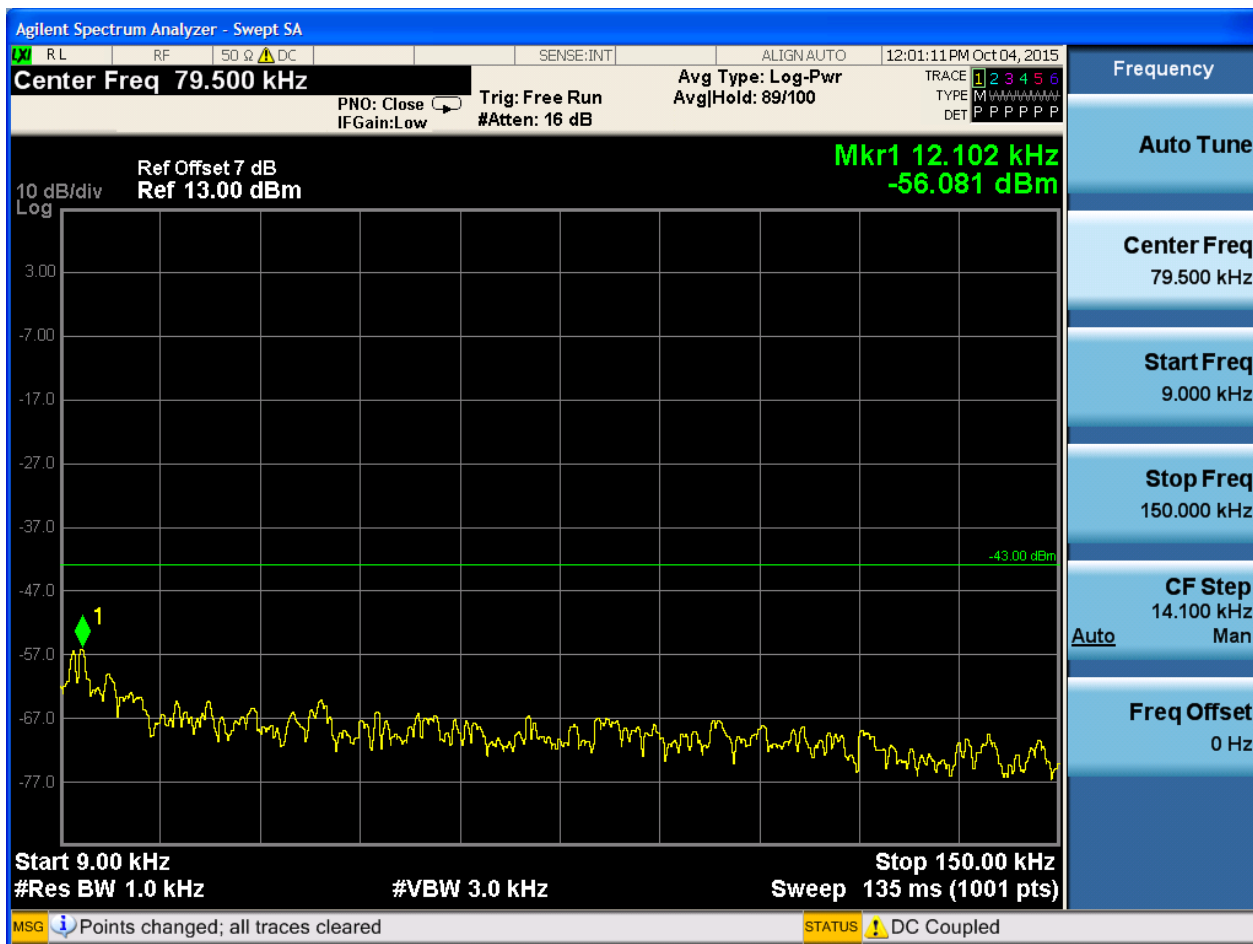


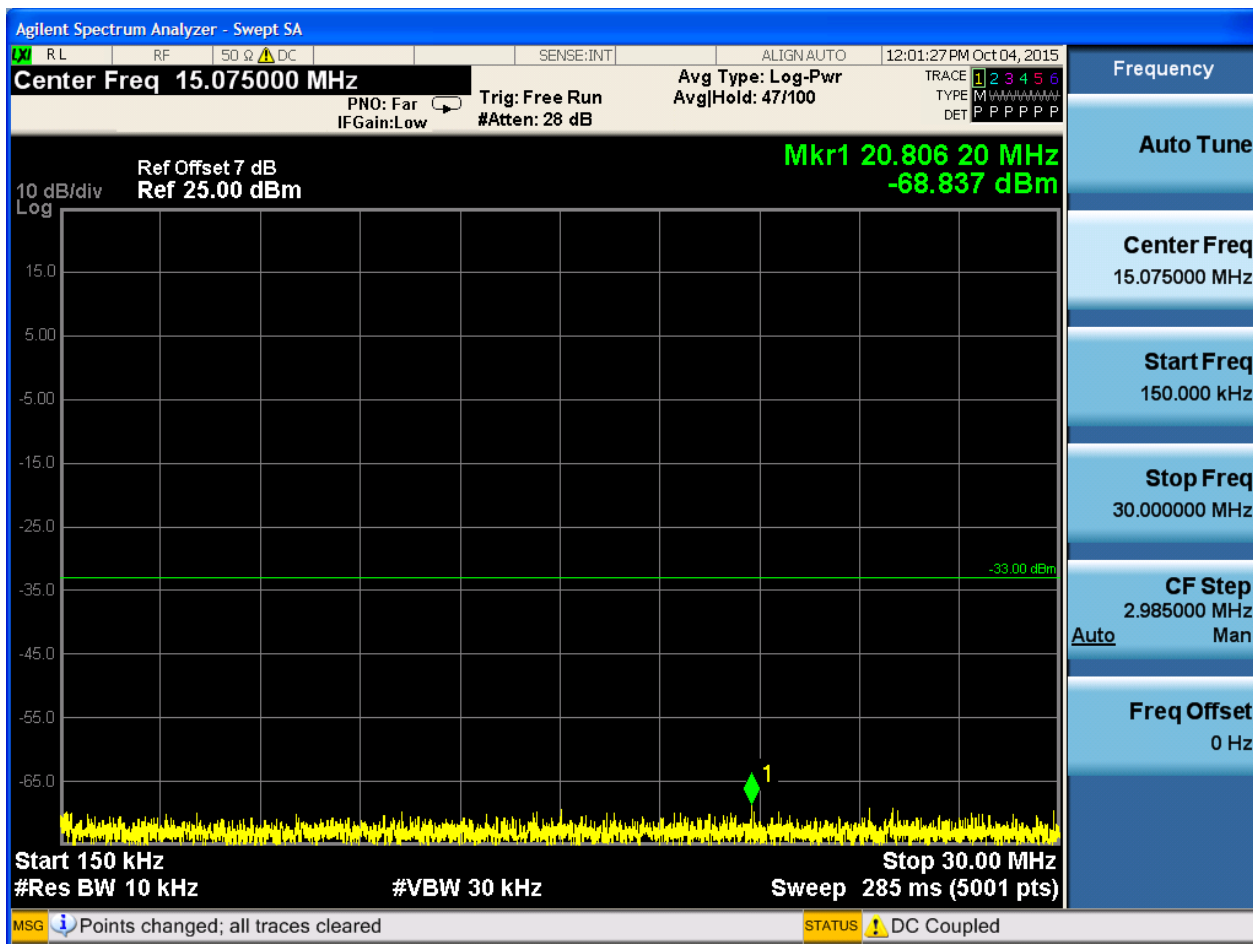


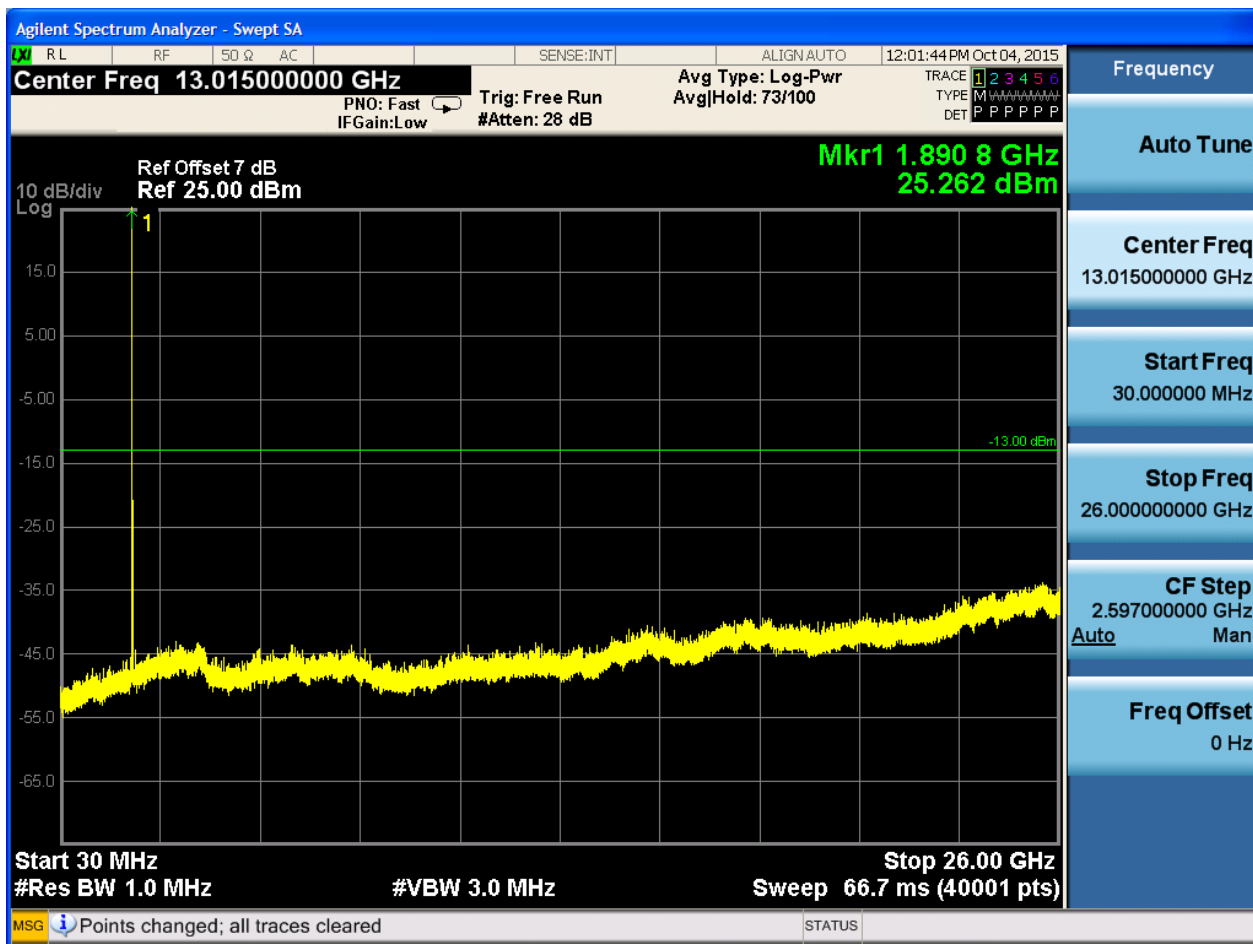


### 6.1.1.2.6.3 Test Channel = HCH

#### 6.1.1.2.6.3.1 Test RB = RB1#0







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

Note:

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

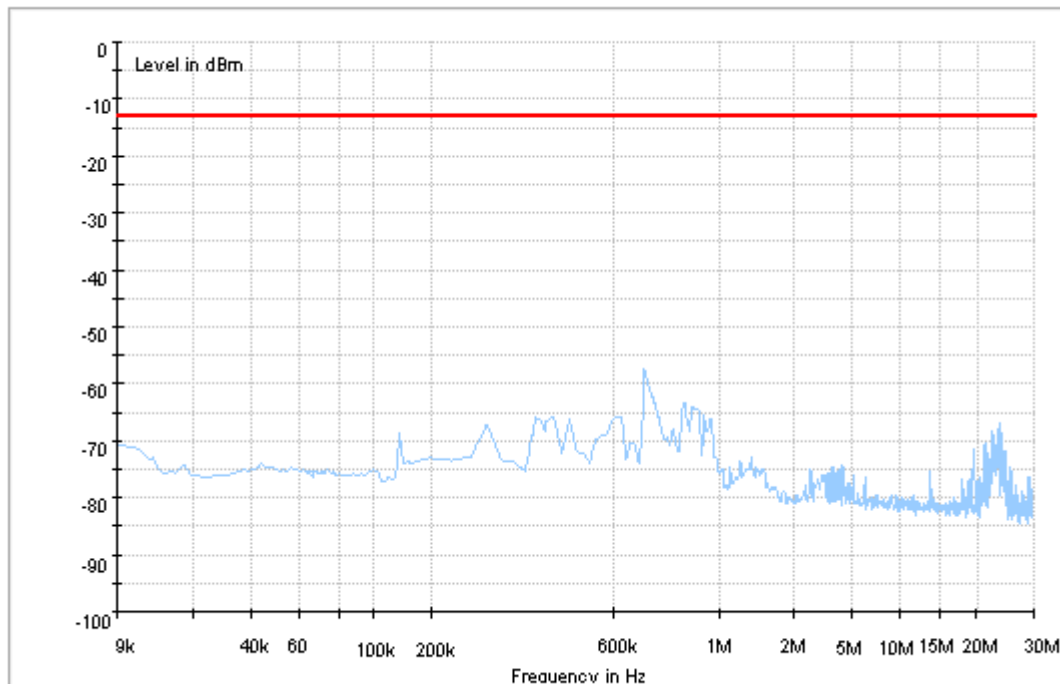
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

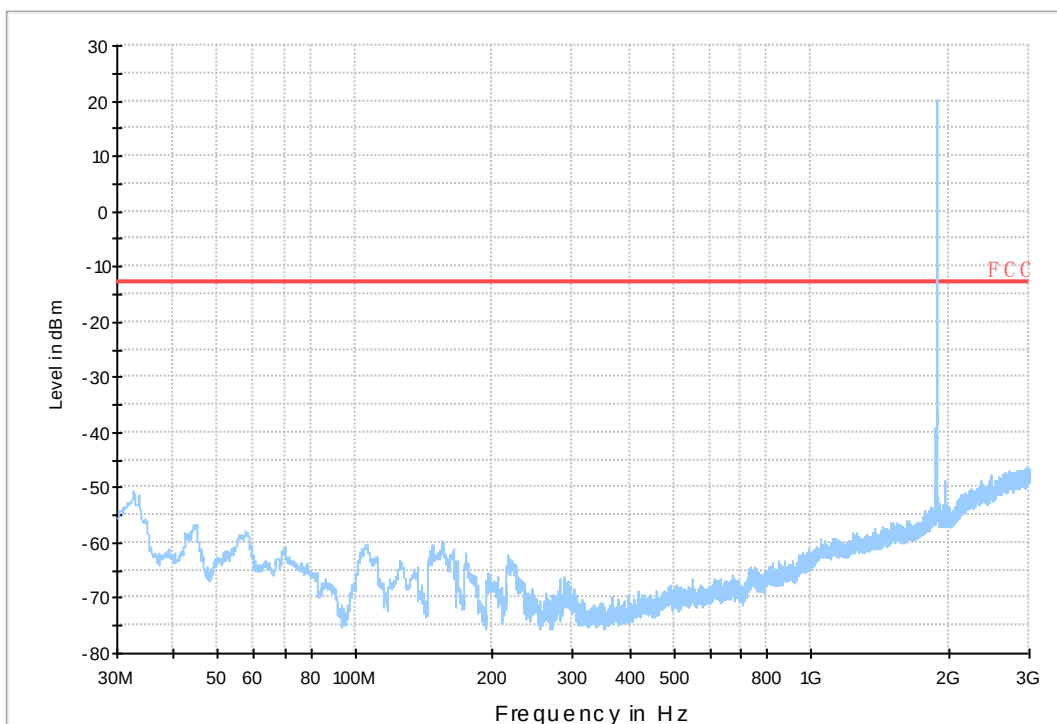
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND2

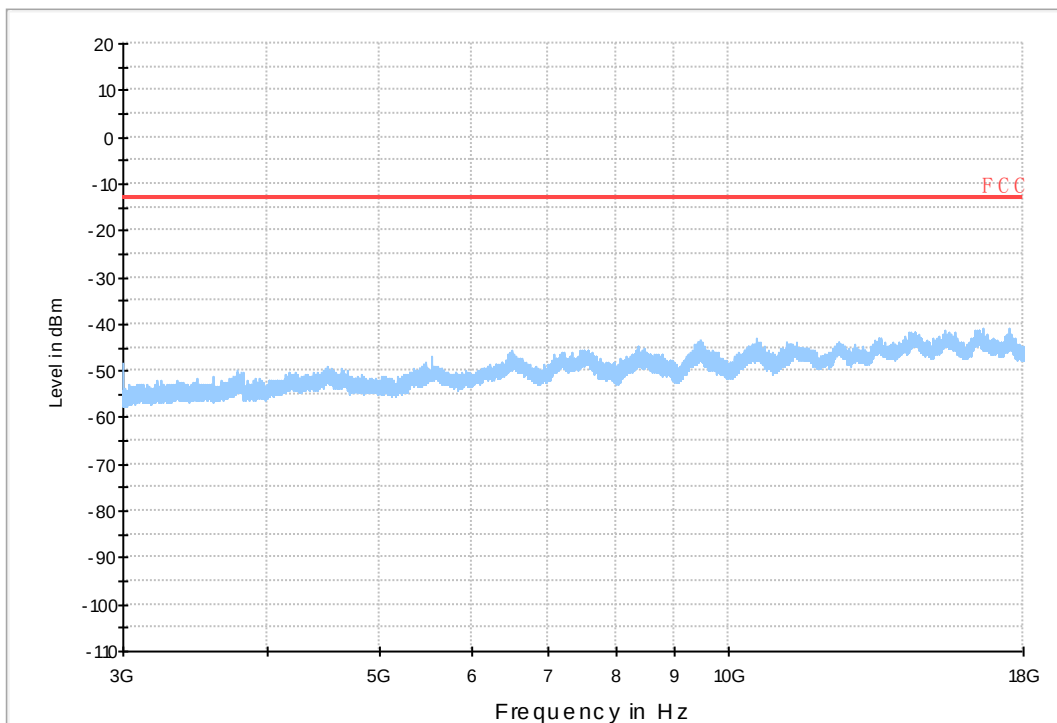
##### 7.1.1.1 Test Bandwidth = 1.4

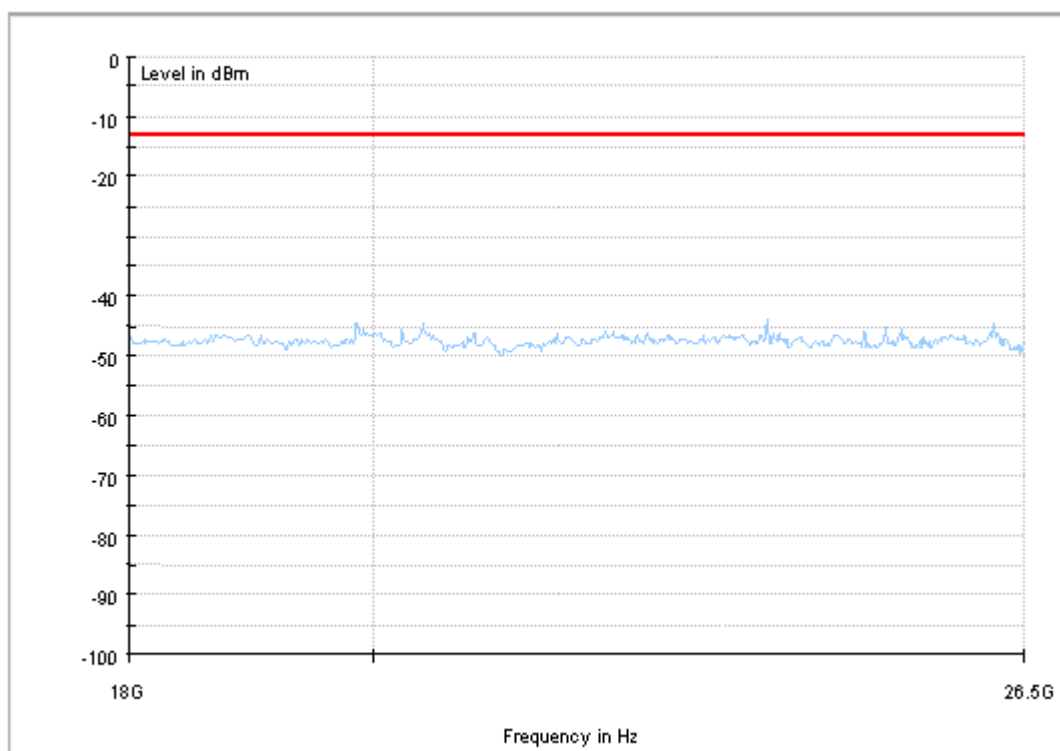


Copy of FCC PART24 LTE Band 2\_L

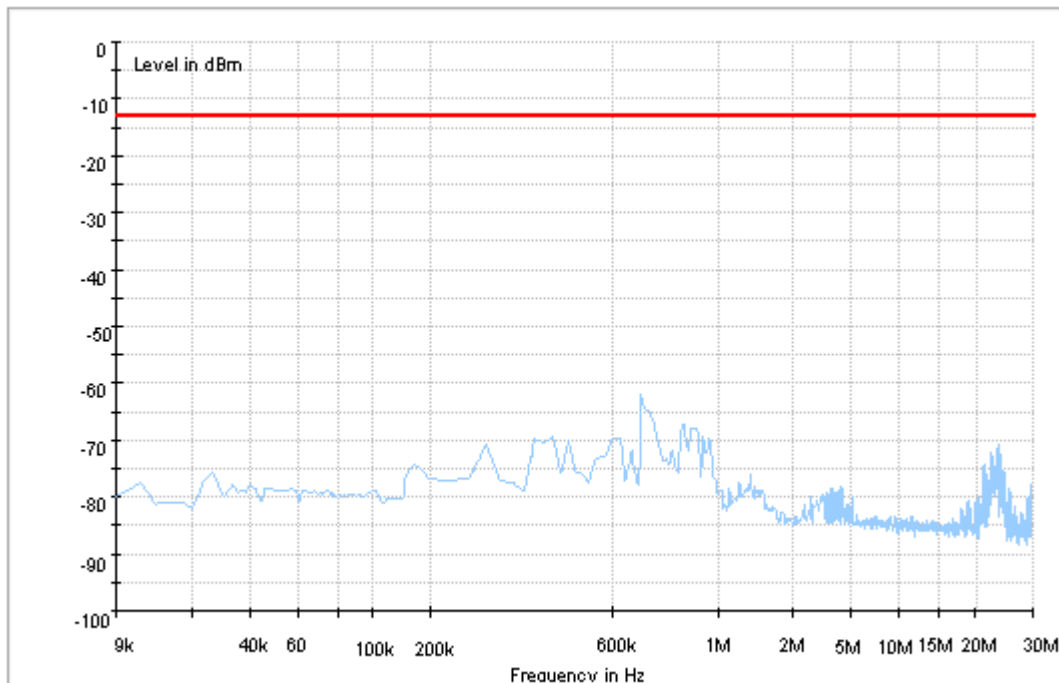


Copy of FCC PART24 LTE Band 2\_H

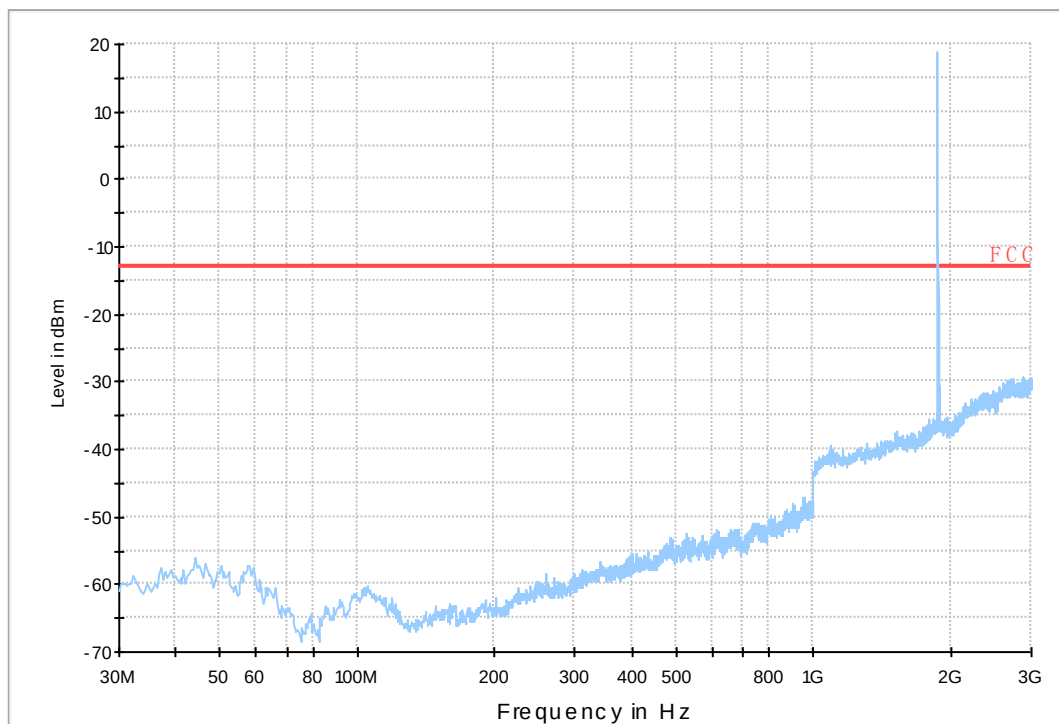




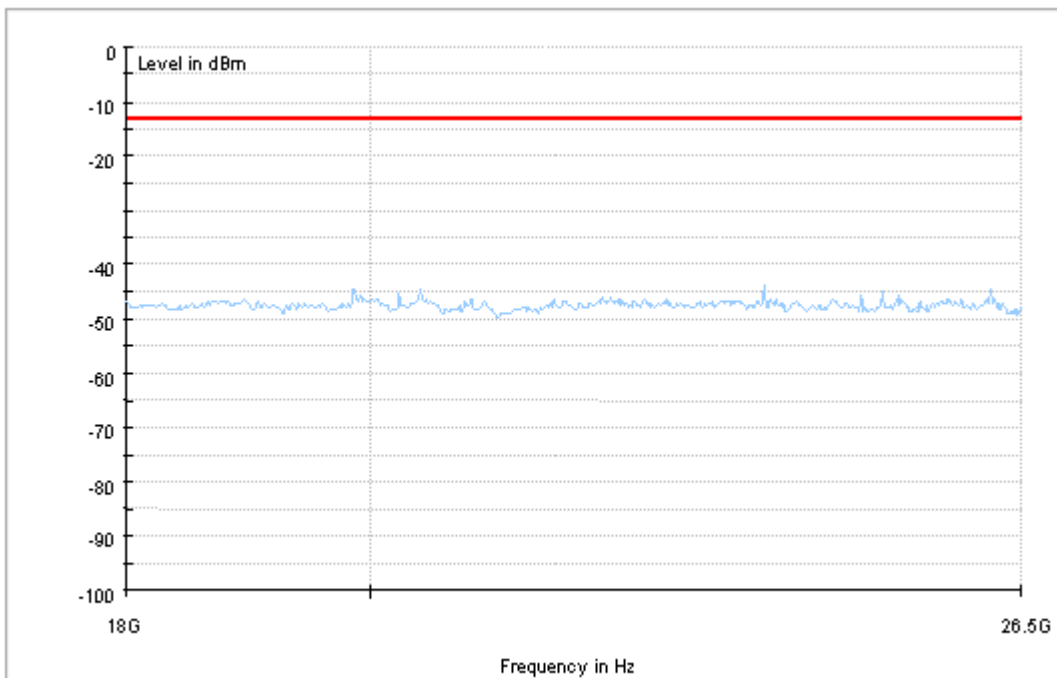
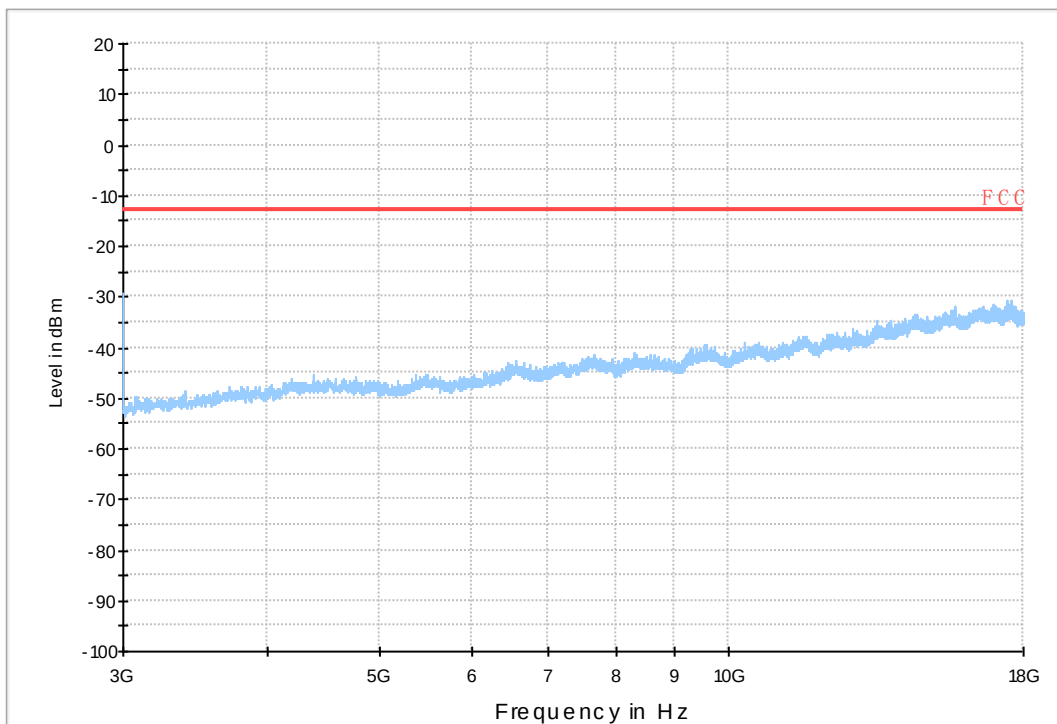
### 7.1.1.3 Test Bandwidth = 20



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



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





## 8Appendix\_H: Frequency Stability

## 8.1 For LTE

### 8.1.1 Frequency 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         | -0.96            | -0.00052              | PASS    |
|           |           |                      |              |            | VN         | -1.6             | -0.00086              | PASS    |
|           |           |                      |              |            | VH         | -1.7             | -0.00092              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.99            | -0.00053              | PASS    |
|           |           |                      |              |            | VN         | -2               | -0.00106              | PASS    |
|           |           |                      |              |            | VH         | -2.1             | -0.00112              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.9              | 0.001                 | PASS    |
|           |           |                      |              |            | VN         | 2.07             | 0.00108               | PASS    |
|           |           |                      |              |            | VH         | 2.53             | 0.00133               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | 0.6              | 0.00032               | PASS    |
|           |           |                      |              |            | VN         | -4.75            | -0.00257              | PASS    |
|           |           |                      |              |            | VH         | -1.53            | -0.00083              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.22            | -0.00118              | PASS    |
|           |           |                      |              |            | VN         | -4.19            | -0.00223              | PASS    |
|           |           |                      |              |            | VH         | -2.82            | -0.0015               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 4.42             | 0.00232               | PASS    |
|           |           |                      |              |            | VN         | -0.43            | -0.00023              | PASS    |
|           |           |                      |              |            | VH         | 1.36             | 0.00071               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -1.32            | -0.00071              | PASS    |
|           |           |                      |              |            | VN         | -0.69            | -0.00037              | PASS    |
|           |           |                      |              |            | VH         | -0.16            | -0.00009              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -7.12            | -0.00379              | PASS    |
|           |           |                      |              |            | VN         | -7.4             | -0.00394              | PASS    |
|           |           |                      |              |            | VH         | -6.18            | -0.00329              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1               | -0.00052              | PASS    |
|           |           |                      |              |            | VN         | -1.36            | -0.00071              | PASS    |
|           |           |                      |              |            | VH         | 0.03             | 0.00002               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -0.53            | -0.00029              | PASS    |
|           |           |                      |              |            | VN         | 0.72             | 0.00039               | PASS    |
|           |           |                      |              |            | VH         | -0.72            | -0.00039              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.73            | -0.00252              | PASS    |
|           |           |                      |              |            | VN         | -6.41            | -0.00341              | PASS    |
|           |           |                      |              |            | VH         | -6.65            | -0.00354              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.43            | -0.00075              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -0.03            | -0.00002              | PASS    |
|           |           |                      |              |            | VH         | -0.4             | -0.00021              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -2.93            | -0.00158              | PASS    |
|           |           |                      |              |            | VN         | -4.12            | -0.00222              | PASS    |
|           |           |                      |              |            | VH         | -3.32            | -0.00179              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.96            | -0.00211              | PASS    |
|           |           |                      |              |            | VN         | -2.12            | -0.00113              | PASS    |
|           |           |                      |              |            | VH         | -2.49            | -0.00132              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.57             | 0.0003                | PASS    |
|           |           |                      |              |            | VN         | 0.34             | 0.00018               | PASS    |
|           |           |                      |              |            | VH         | 1.14             | 0.0006                | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -48.52           | -0.02609              | PASS    |
|           |           |                      |              |            | VN         | -46.53           | -0.02502              | PASS    |
|           |           |                      |              |            | VH         | -51.41           | -0.02764              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.4             | -0.00128              | PASS    |
|           |           |                      |              |            | VN         | -0.8             | -0.00043              | PASS    |
|           |           |                      |              |            | VH         | -1.03            | -0.00055              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -4.85            | -0.00255              | PASS    |
|           |           |                      |              |            | VN         | -3.62            | -0.00191              | PASS    |
|           |           |                      |              |            | VH         | -3.29            | -0.00173              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | TN         | VL         | -2.52            | -0.00136              | PASS    |
|           |           |                      |              |            | VN         | -2.17            | -0.00117              | PASS    |
|           |           |                      |              |            | VH         | -0.94            | -0.00051              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.61            | -0.00245              | PASS    |
|           |           |                      |              |            | VN         | -4.31            | -0.00229              | PASS    |
|           |           |                      |              |            | VH         | -4.96            | -0.00264              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.86            | -0.0015               | PASS    |
|           |           |                      |              |            | VN         | -1.93            | -0.00101              | PASS    |
|           |           |                      |              |            | VH         | -2.55            | -0.00134              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -2.35            | -0.00127              | PASS    |
|           |           |                      |              |            | VN         | -3.93            | -0.00212              | PASS    |
|           |           |                      |              |            | VH         | -2.2             | -0.00119              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.99            | -0.00265              | PASS    |
|           |           |                      |              |            | VN         | -4.08            | -0.00217              | PASS    |
|           |           |                      |              |            | VH         | 2.65             | 0.00141               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.3              | 0.00016               | PASS    |
|           |           |                      |              |            | VN         | -0.94            | -0.00049              | PASS    |
|           |           |                      |              |            | VH         | -0.94            | -0.00049              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -2.07            | -0.00112              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -3.28            | -0.00177              | PASS    |
|           |           |                      |              |            | VH         | -3.33            | -0.0018               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.82            | -0.00203              | PASS    |
|           |           |                      |              |            | VN         | -6.31            | -0.00336              | PASS    |
|           |           |                      |              |            | VH         | -1.63            | -0.00087              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.39            | -0.0002               | PASS    |
|           |           |                      |              |            | VN         | -1.95            | -0.00102              | PASS    |
|           |           |                      |              |            | VH         | 1.57             | 0.00082               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | 0.53             | 0.00029               | PASS    |
|           |           |                      |              |            | VN         | -1.67            | -0.0009               | PASS    |
|           |           |                      |              |            | VH         | -1.82            | -0.00098              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.88            | -0.00153              | PASS    |
|           |           |                      |              |            | VN         | -2.16            | -0.00115              | PASS    |
|           |           |                      |              |            | VH         | -1.95            | -0.00104              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 2.27             | 0.00119               | PASS    |
|           |           |                      |              |            | VN         | 0.56             | 0.00029               | PASS    |
|           |           |                      |              |            | VH         | -0.2             | -0.0001               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -2.2             | -0.00118              | PASS    |
|           |           |                      |              |            | VN         | -2.2             | -0.00118              | PASS    |
|           |           |                      |              |            | VH         | -2.19            | -0.00118              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.73            | -0.00145              | PASS    |
|           |           |                      |              |            | VN         | -2.59            | -0.00138              | PASS    |
|           |           |                      |              |            | VH         | -3.06            | -0.00163              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.36             | 0.00019               | PASS    |
|           |           |                      |              |            | VN         | -1.42            | -0.00075              | PASS    |
|           |           |                      |              |            | VH         | 2.15             | 0.00113               | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -32.89           | -0.01768              | PASS    |
|           |           |                      |              |            | VN         | -34.17           | -0.01837              | PASS    |
|           |           |                      |              |            | VH         | -30.93           | -0.01663              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.76            | -0.002                | PASS    |
|           |           |                      |              |            | VN         | -2.4             | -0.00128              | PASS    |
|           |           |                      |              |            | VH         | -3.4             | -0.00181              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.59            | -0.00136              | PASS    |
|           |           |                      |              |            | VN         | -2.37            | -0.00125              | PASS    |
|           |           |                      |              |            | VH         | -2.66            | -0.0014               | PASS    |

### 8.1.2Frequency Error vs. Temperature:

| 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          | VN         | -30        | -1.73            | -0.00093              | PASS    |
|           |           |                      |              |            | -20        | -1.22            | -0.00066              | PASS    |
|           |           |                      |              |            | -10        | -1.02            | -0.00055              | PASS    |
|           |           |                      |              |            | 0          | -1.85            | -0.001                | PASS    |
|           |           |                      |              |            | 10         | -1.59            | -0.00086              | PASS    |
|           |           |                      |              |            | 20         | -0.04            | -0.00002              | PASS    |
|           |           |                      |              |            | 30         | -0.99            | -0.00053              | PASS    |
|           |           |                      |              |            | 40         | -1.47            | -0.00079              | PASS    |
|           |           |                      |              |            | 50         | -1.39            | -0.00075              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.5             | -0.0008               | PASS    |
|           |           |                      |              |            | -20        | -2.02            | -0.00107              | PASS    |
|           |           |                      |              |            | -10        | -2.57            | -0.00137              | PASS    |
|           |           |                      |              |            | 0          | -2.27            | -0.00121              | PASS    |
|           |           |                      |              |            | 10         | -1.16            | -0.00062              | PASS    |
|           |           |                      |              |            | 20         | -1.13            | -0.0006               | PASS    |
|           |           |                      |              |            | 30         | -2.56            | -0.00136              | PASS    |
|           |           |                      |              |            | 40         | -1.1             | -0.00059              | PASS    |
|           |           |                      |              |            | 50         | -2.27            | -0.00121              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 1.82             | 0.00095               | PASS    |
|           |           |                      |              |            | -20        | 2.53             | 0.00133               | PASS    |
|           |           |                      |              |            | -10        | 2.2              | 0.00115               | PASS    |
|           |           |                      |              |            | 0          | 1.34             | 0.0007                | PASS    |
|           |           |                      |              |            | 10         | 3.59             | 0.00188               | PASS    |
|           |           |                      |              |            | 20         | 1.52             | 0.0008                | PASS    |
|           |           |                      |              |            | 30         | 2.73             | 0.00143               | PASS    |
|           |           |                      |              |            | 40         | 2.93             | 0.00153               | PASS    |
|           |           |                      |              |            | 50         | 2.3              | 0.0012                | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | 0.44             | 0.00024               | PASS    |
|           |           |                      |              |            | -20        | 0.76             | 0.00041               | PASS    |
|           |           |                      |              |            | -10        | -0.13            | -0.00007              | PASS    |
|           |           |                      |              |            | 0          | -1.37            | -0.00074              | PASS    |
|           |           |                      |              |            | 10         | -5.52            | -0.00298              | PASS    |
|           |           |                      |              |            | 20         | -1.79            | -0.00097              | PASS    |
|           |           |                      |              |            | 30         | -4.39            | -0.00237              | PASS    |
|           |           |                      |              |            | 40         | -2.25            | -0.00122              | PASS    |
|           |           |                      |              |            | 50         | -1.7             | -0.00092              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.63            | -0.00087              | PASS    |
|           |           |                      |              |            | -20        | -6.04            | -0.00321              | PASS    |
|           |           |                      |              |            | -10        | -4.91            | -0.00261              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0          | -0.07            | -0.00004              | PASS    |
|           |           |                      |              |            | 10         | -5.72            | -0.00304              | PASS    |
|           |           |                      |              |            | 20         | -2.55            | -0.00136              | PASS    |
|           |           |                      |              |            | 30         | -3.42            | -0.00182              | PASS    |
|           |           |                      |              |            | 40         | -5.06            | -0.00269              | PASS    |
|           |           |                      |              |            | 50         | -3.88            | -0.00206              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.22            | -0.00064              | PASS    |
|           |           |                      |              |            | -20        | 1.03             | 0.00054               | PASS    |
|           |           |                      |              |            | -10        | 1.24             | 0.00065               | PASS    |
|           |           |                      |              |            | 0          | -3.15            | -0.00165              | PASS    |
|           |           |                      |              |            | 10         | 1.43             | 0.00075               | PASS    |
|           |           |                      |              |            | 20         | -3.16            | -0.00166              | PASS    |
|           |           |                      |              |            | 30         | 0.17             | 0.00009               | PASS    |
|           |           |                      |              |            | 40         | -1.95            | -0.00102              | PASS    |
|           |           |                      |              |            | 50         | 0.72             | 0.00038               | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -3.79            | -0.00205              | PASS    |
|           |           |                      |              |            | -20        | -1.56            | -0.00084              | PASS    |
|           |           |                      |              |            | -10        | -3.96            | -0.00214              | PASS    |
|           |           |                      |              |            | 0          | -2.3             | -0.00124              | PASS    |
|           |           |                      |              |            | 10         | 1.59             | 0.00086               | PASS    |
|           |           |                      |              |            | 20         | -1.72            | -0.00093              | PASS    |
|           |           |                      |              |            | 30         | -0.43            | -0.00023              | PASS    |
|           |           |                      |              |            | 40         | -2.15            | -0.00116              | PASS    |
|           |           |                      |              |            | 50         | -1.14            | -0.00062              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.07            | -0.00057              | PASS    |
|           |           |                      |              |            | -20        | 0.1              | 0.00005               | PASS    |
|           |           |                      |              |            | -10        | -0.6             | -0.00032              | PASS    |
|           |           |                      |              |            | 0          | -3.25            | -0.00173              | PASS    |
|           |           |                      |              |            | 10         | -0.93            | -0.00049              | PASS    |
|           |           |                      |              |            | 20         | -2.39            | -0.00127              | PASS    |
|           |           |                      |              |            | 30         | -3.06            | -0.00163              | PASS    |
|           |           |                      |              |            | 40         | 1.04             | 0.00055               | PASS    |
|           |           |                      |              |            | 50         | 0.67             | 0.00036               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -2.12            | -0.00111              | PASS    |
|           |           |                      |              |            | -20        | -2.7             | -0.00142              | PASS    |
|           |           |                      |              |            | -10        | -0.5             | -0.00026              | PASS    |
|           |           |                      |              |            | 0          | 0.19             | 0.0001                | PASS    |
|           |           |                      |              |            | 10         | -0.54            | -0.00028              | PASS    |
|           |           |                      |              |            | 20         | 2.99             | 0.00157               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 30         | 0.46             | 0.00024               | PASS    |
|           |           |                      |              |            | 40         | 0.76             | 0.0004                | PASS    |
|           |           |                      |              |            | 50         | 2.65             | 0.00139               | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -1.14            | -0.00061              | PASS    |
|           |           |                      |              |            | -20        | -0.67            | -0.00036              | PASS    |
|           |           |                      |              |            | -10        | -1.6             | -0.00086              | PASS    |
|           |           |                      |              |            | 0          | -1.43            | -0.00077              | PASS    |
|           |           |                      |              |            | 10         | -2.32            | -0.00125              | PASS    |
|           |           |                      |              |            | 20         | -1.14            | -0.00061              | PASS    |
|           |           |                      |              |            | 30         | -0.62            | -0.00033              | PASS    |
|           |           |                      |              |            | 40         | 0.67             | 0.00036               | PASS    |
|           |           |                      |              |            | 50         | -1.97            | -0.00106              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.96            | -0.00211              | PASS    |
|           |           |                      |              |            | -20        | -3.35            | -0.00178              | PASS    |
|           |           |                      |              |            | -10        | -3.71            | -0.00197              | PASS    |
|           |           |                      |              |            | 0          | -1.1             | -0.00059              | PASS    |
|           |           |                      |              |            | 10         | -2.42            | -0.00129              | PASS    |
|           |           |                      |              |            | 20         | -4.59            | -0.00244              | PASS    |
|           |           |                      |              |            | 30         | -3.62            | -0.00193              | PASS    |
|           |           |                      |              |            | 40         | -3.36            | -0.00179              | PASS    |
|           |           |                      |              |            | 50         | -0.16            | -0.00009              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 2.06             | 0.00108               | PASS    |
|           |           |                      |              |            | -20        | 1.59             | 0.00083               | PASS    |
|           |           |                      |              |            | -10        | 1.19             | 0.00062               | PASS    |
|           |           |                      |              |            | 0          | -1               | -0.00052              | PASS    |
|           |           |                      |              |            | 10         | 0.53             | 0.00028               | PASS    |
|           |           |                      |              |            | 20         | 1.09             | 0.00057               | PASS    |
|           |           |                      |              |            | 30         | -0.97            | -0.00051              | PASS    |
|           |           |                      |              |            | 40         | 0.73             | 0.00038               | PASS    |
|           |           |                      |              |            | 50         | 0.83             | 0.00044               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -3.55            | -0.00191              | PASS    |
|           |           |                      |              |            | -20        | -3.81            | -0.00205              | PASS    |
|           |           |                      |              |            | -10        | -3.82            | -0.00206              | PASS    |
|           |           |                      |              |            | 0          | -3.4             | -0.00183              | PASS    |
|           |           |                      |              |            | 10         | -5.22            | -0.00281              | PASS    |
|           |           |                      |              |            | 20         | -3.73            | -0.00201              | PASS    |
|           |           |                      |              |            | 30         | -4.69            | -0.00252              | PASS    |
|           |           |                      |              |            | 40         | -3.79            | -0.00204              | PASS    |
|           |           |                      |              |            | 50         | -2.96            | -0.00159              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | MCH          | VN         | -30        | -3.5             | -0.00186              | PASS    |
|           |           |                      |              |            | -20        | -2.29            | -0.00122              | PASS    |
|           |           |                      |              |            | -10        | -2.1             | -0.00112              | PASS    |
|           |           |                      |              |            | 0          | -2.53            | -0.00135              | PASS    |
|           |           |                      |              |            | 10         | -1.72            | -0.00091              | PASS    |
|           |           |                      |              |            | 20         | -0.83            | -0.00044              | PASS    |
|           |           |                      |              |            | 30         | -2.49            | -0.00132              | PASS    |
|           |           |                      |              |            | 40         | -3.81            | -0.00203              | PASS    |
|           |           |                      |              |            | 50         | -3.85            | -0.00205              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.59             | 0.00031               | PASS    |
|           |           |                      |              |            | -20        | 1.95             | 0.00102               | PASS    |
|           |           |                      |              |            | -10        | 0.2              | 0.00011               | PASS    |
|           |           |                      |              |            | 0          | -1.47            | -0.00077              | PASS    |
|           |           |                      |              |            | 10         | 1.85             | 0.00097               | PASS    |
|           |           |                      |              |            | 20         | 0.17             | 0.00009               | PASS    |
|           |           |                      |              |            | 30         | 0.94             | 0.00049               | PASS    |
|           |           |                      |              |            | 40         | 0.63             | 0.00033               | PASS    |
|           |           |                      |              |            | 50         | -0.66            | -0.00035              | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | -47.41           | -0.02549              | PASS    |
|           |           |                      |              |            | -20        | -44.23           | -0.02378              | PASS    |
|           |           |                      |              |            | -10        | -47.05           | -0.0253               | PASS    |
|           |           |                      |              |            | 0          | -46.72           | -0.02512              | PASS    |
|           |           |                      |              |            | 10         | -50.74           | -0.02728              | PASS    |
|           |           |                      |              |            | 20         | -48.71           | -0.02619              | PASS    |
|           |           |                      |              |            | 30         | -47.75           | -0.02567              | PASS    |
|           |           |                      |              |            | 40         | -43.7            | -0.02349              | PASS    |
|           |           |                      |              |            | 50         | -43.56           | -0.02342              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.2             | -0.00064              | PASS    |
|           |           |                      |              |            | -20        | -0.86            | -0.00046              | PASS    |
|           |           |                      |              |            | -10        | -2.42            | -0.00129              | PASS    |
|           |           |                      |              |            | 0          | -3.55            | -0.00189              | PASS    |
|           |           |                      |              |            | 10         | -2.55            | -0.00136              | PASS    |
|           |           |                      |              |            | 20         | -3.02            | -0.00161              | PASS    |
|           |           |                      |              |            | 30         | -2.86            | -0.00152              | PASS    |
|           |           |                      |              |            | 40         | -2.55            | -0.00136              | PASS    |
|           |           |                      |              |            | 50         | -2               | -0.00106              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -5.31            | -0.00279              | PASS    |
|           |           |                      |              |            | -20        | -3.53            | -0.00186              | PASS    |
|           |           |                      |              |            | -10        | -3.29            | -0.00173              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           | LTE/TM2   | 1.4                  |              |            | 0          | -2.57            | -0.00135              | PASS    |
|           |           |                      |              |            | 10         | -1.59            | -0.00084              | PASS    |
|           |           |                      |              |            | 20         | -3.69            | -0.00194              | PASS    |
|           |           |                      |              |            | 30         | -4.16            | -0.00219              | PASS    |
|           |           |                      |              |            | 40         | -2.12            | -0.00112              | PASS    |
|           |           |                      |              |            | 50         | -4.18            | -0.0022               | PASS    |
|           |           |                      | LCH          | VN         | -30        | -1.04            | -0.00056              | PASS    |
|           |           |                      |              |            | -20        | -2.56            | -0.00138              | PASS    |
|           |           |                      |              |            | -10        | -1.85            | -0.001                | PASS    |
|           |           |                      |              |            | 0          | -2.15            | -0.00116              | PASS    |
|           |           |                      |              |            | 10         | -1.39            | -0.00075              | PASS    |
|           |           |                      |              |            | 20         | -0.83            | -0.00045              | PASS    |
|           |           |                      |              |            | 30         | -2.26            | -0.00122              | PASS    |
|           |           |                      |              |            | 40         | -1.59            | -0.00086              | PASS    |
|           |           |                      |              |            | 50         | -2.23            | -0.0012               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.82            | -0.00203              | PASS    |
|           |           |                      |              |            | -20        | -4.39            | -0.00234              | PASS    |
|           |           |                      |              |            | -10        | -3.91            | -0.00208              | PASS    |
|           |           |                      |              |            | 0          | -4.55            | -0.00242              | PASS    |
|           |           |                      |              |            | 10         | -2.83            | -0.00151              | PASS    |
|           |           |                      |              |            | 20         | -3.89            | -0.00207              | PASS    |
|           |           |                      |              |            | 30         | -4.05            | -0.00215              | PASS    |
|           |           |                      |              |            | 40         | -4.06            | -0.00216              | PASS    |
|           |           |                      |              |            | 50         | -3.86            | -0.00205              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -2.46            | -0.00129              | PASS    |
|           |           |                      |              |            | -20        | -1.76            | -0.00092              | PASS    |
|           |           |                      |              |            | -10        | -2.2             | -0.00115              | PASS    |
|           |           |                      |              |            | 0          | -0.67            | -0.00035              | PASS    |
|           |           |                      |              |            | 10         | -2.32            | -0.00122              | PASS    |
|           |           |                      |              |            | 20         | -1.09            | -0.00057              | PASS    |
|           |           |                      |              |            | 30         | -1.6             | -0.00084              | PASS    |
|           |           |                      |              |            | 40         | -2.19            | -0.00115              | PASS    |
|           |           |                      |              |            | 50         | -3.38            | -0.00177              | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | -4.01            | -0.00217              | PASS    |
|           |           |                      |              |            | -20        | 0.92             | 0.0005                | PASS    |
|           |           |                      |              |            | -10        | -2.66            | -0.00144              | PASS    |
|           |           |                      |              |            | 0          | 1.34             | 0.00072               | PASS    |
|           |           |                      |              |            | 10         | -3.59            | -0.00194              | PASS    |
|           |           |                      |              |            | 20         | -5.35            | -0.00289              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 30         | -2.7             | -0.00146              | PASS    |
|           |           |                      |              |            | 40         | -0.94            | -0.00051              | PASS    |
|           |           |                      |              |            | 50         | -3.73            | -0.00201              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.47            | -0.00131              | PASS    |
|           |           |                      |              |            | -20        | -4.62            | -0.00246              | PASS    |
|           |           |                      |              |            | -10        | -4.46            | -0.00237              | PASS    |
|           |           |                      |              |            | 0          | -2.62            | -0.00139              | PASS    |
|           |           |                      |              |            | 10         | -4.92            | -0.00262              | PASS    |
|           |           |                      |              |            | 20         | -2.33            | -0.00124              | PASS    |
|           |           |                      |              |            | 30         | -3.48            | -0.00185              | PASS    |
|           |           |                      |              |            | 40         | -3.52            | -0.00187              | PASS    |
|           |           |                      |              |            | 50         | -5.76            | -0.00306              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.39            | -0.00073              | PASS    |
|           |           |                      |              |            | -20        | -0.84            | -0.00044              | PASS    |
|           |           |                      |              |            | -10        | 0.26             | 0.00014               | PASS    |
|           |           |                      |              |            | 0          | -0.46            | -0.00024              | PASS    |
|           |           |                      |              |            | 10         | -0.47            | -0.00025              | PASS    |
|           |           |                      |              |            | 20         | 0.31             | 0.00016               | PASS    |
|           |           |                      |              |            | 30         | 0.34             | 0.00018               | PASS    |
|           |           |                      |              |            | 40         | -1.54            | -0.00081              | PASS    |
|           |           |                      |              |            | 50         | -1.73            | -0.00091              | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -4.46            | -0.00241              | PASS    |
|           |           |                      |              |            | -20        | -1.32            | -0.00071              | PASS    |
|           |           |                      |              |            | -10        | -0.8             | -0.00043              | PASS    |
|           |           |                      |              |            | 0          | -4.12            | -0.00222              | PASS    |
|           |           |                      |              |            | 10         | -2.06            | -0.00111              | PASS    |
|           |           |                      |              |            | 20         | -1.89            | -0.00102              | PASS    |
|           |           |                      |              |            | 30         | -1.93            | -0.00104              | PASS    |
|           |           |                      |              |            | 40         | 1.5              | 0.00081               | PASS    |
|           |           |                      |              |            | 50         | -1.3             | -0.0007               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.43            | -0.00129              | PASS    |
|           |           |                      |              |            | -20        | -1.5             | -0.0008               | PASS    |
|           |           |                      |              |            | -10        | 0.43             | 0.00023               | PASS    |
|           |           |                      |              |            | 0          | -2.05            | -0.00109              | PASS    |
|           |           |                      |              |            | 10         | -2.09            | -0.00111              | PASS    |
|           |           |                      |              |            | 20         | -1.47            | -0.00078              | PASS    |
|           |           |                      |              |            | 30         | 0.01             | 0.00001               | PASS    |
|           |           |                      |              |            | 40         | -1.19            | -0.00063              | PASS    |
|           |           |                      |              |            | 50         | -4.75            | -0.00253              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | VN         | -30        | -0.59            | -0.00031              | PASS    |
|           |           |                      |              |            | -20        | -0.9             | -0.00047              | PASS    |
|           |           |                      |              |            | -10        | 1.97             | 0.00103               | PASS    |
|           |           |                      |              |            | 0          | -1.33            | -0.0007               | PASS    |
|           |           |                      |              |            | 10         | 1.52             | 0.0008                | PASS    |
|           |           |                      |              |            | 20         | -2.23            | -0.00117              | PASS    |
|           |           |                      |              |            | 30         | -0.36            | -0.00019              | PASS    |
|           |           |                      |              |            | 40         | 1.56             | 0.00082               | PASS    |
|           |           |                      |              |            | 50         | -0.92            | -0.00048              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -0.33            | -0.00018              | PASS    |
|           |           |                      |              |            | -20        | -1.26            | -0.00068              | PASS    |
|           |           |                      |              |            | -10        | -2.86            | -0.00154              | PASS    |
|           |           |                      |              |            | 0          | -1.19            | -0.00064              | PASS    |
|           |           |                      |              |            | 10         | -1.32            | -0.00071              | PASS    |
|           |           |                      |              |            | 20         | -2.62            | -0.00141              | PASS    |
|           |           |                      |              |            | 30         | -4.09            | -0.0022               | PASS    |
|           |           |                      |              |            | 40         | -0.06            | -0.00003              | PASS    |
|           |           |                      |              |            | 50         | -2.95            | -0.00159              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.46            | -0.00131              | PASS    |
|           |           |                      |              |            | -20        | -2.1             | -0.00112              | PASS    |
|           |           |                      |              |            | -10        | -1.83            | -0.00097              | PASS    |
|           |           |                      |              |            | 0          | -5.82            | -0.0031               | PASS    |
|           |           |                      |              |            | 10         | -2.06            | -0.0011               | PASS    |
|           |           |                      |              |            | 20         | -3.12            | -0.00166              | PASS    |
|           |           |                      |              |            | 30         | -5.81            | -0.00309              | PASS    |
|           |           |                      |              |            | 40         | -5.52            | -0.00294              | PASS    |
|           |           |                      |              |            | 50         | -2.3             | -0.00122              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.09             | 0.00005               | PASS    |
|           |           |                      |              |            | -20        | 1.19             | 0.00062               | PASS    |
|           |           |                      |              |            | -10        | 1.29             | 0.00068               | PASS    |
|           |           |                      |              |            | 0          | -0.67            | -0.00035              | PASS    |
|           |           |                      |              |            | 10         | -2.27            | -0.00119              | PASS    |
|           |           |                      |              |            | 20         | 2.39             | 0.00125               | PASS    |
|           |           |                      |              |            | 30         | 1.67             | 0.00088               | PASS    |
|           |           |                      |              |            | 40         | 0.6              | 0.00031               | PASS    |
|           |           |                      |              |            | 50         | 1.49             | 0.00078               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -3.65            | -0.00197              | PASS    |
|           |           |                      |              |            | -20        | -3.71            | -0.002                | PASS    |
|           |           |                      |              |            | -10        | -3.79            | -0.00204              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0          | -3.6             | -0.00194              | PASS    |
|           |           |                      |              |            | 10         | -3.81            | -0.00205              | PASS    |
|           |           |                      |              |            | 20         | -3.23            | -0.00174              | PASS    |
|           |           |                      |              |            | 30         | -3.58            | -0.00193              | PASS    |
|           |           |                      |              |            | 40         | -4.02            | -0.00216              | PASS    |
|           |           |                      |              |            | 50         | -3.09            | -0.00166              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.99            | -0.00159              | PASS    |
|           |           |                      |              |            | -20        | -3.4             | -0.00181              | PASS    |
|           |           |                      |              |            | -10        | -3.5             | -0.00186              | PASS    |
|           |           |                      |              |            | 0          | -3.5             | -0.00186              | PASS    |
|           |           |                      |              |            | 10         | -3.6             | -0.00191              | PASS    |
|           |           |                      |              |            | 20         | -2.16            | -0.00115              | PASS    |
|           |           |                      |              |            | 30         | -3.63            | -0.00193              | PASS    |
|           |           |                      |              |            | 40         | -2.75            | -0.00146              | PASS    |
|           |           |                      |              |            | 50         | -3.55            | -0.00189              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 2.1              | 0.0011                | PASS    |
|           |           |                      |              |            | -20        | 1.1              | 0.00058               | PASS    |
|           |           |                      |              |            | -10        | 1.86             | 0.00098               | PASS    |
|           |           |                      |              |            | 0          | 1.9              | 0.001                 | PASS    |
|           |           |                      |              |            | 10         | 1.13             | 0.00059               | PASS    |
|           |           |                      |              |            | 20         | 0.49             | 0.00026               | PASS    |
|           |           |                      |              |            | 30         | 1.52             | 0.0008                | PASS    |
|           |           |                      |              |            | 40         | 0.54             | 0.00028               | PASS    |
|           |           |                      |              |            | 50         | -0.24            | -0.00013              | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | -37.08           | -0.01994              | PASS    |
|           |           |                      |              |            | -20        | -38.58           | -0.02074              | PASS    |
|           |           |                      |              |            | -10        | -38.6            | -0.02075              | PASS    |
|           |           |                      |              |            | 0          | -38.35           | -0.02062              | PASS    |
|           |           |                      |              |            | 10         | -35.62           | -0.01915              | PASS    |
|           |           |                      |              |            | 20         | -37.01           | -0.0199               | PASS    |
|           |           |                      |              |            | 30         | -38.51           | -0.0207               | PASS    |
|           |           |                      |              |            | 40         | -36.11           | -0.01941              | PASS    |
|           |           |                      |              |            | 50         | -37.85           | -0.02035              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.73            | -0.00092              | PASS    |
|           |           |                      |              |            | -20        | -1.99            | -0.00106              | PASS    |
|           |           |                      |              |            | -10        | -1.5             | -0.0008               | PASS    |
|           |           |                      |              |            | 0          | -4.38            | -0.00233              | PASS    |
|           |           |                      |              |            | 10         | -3.16            | -0.00168              | PASS    |
|           |           |                      |              |            | 20         | -2.88            | -0.00153              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 30         | -0.93            | -0.00049              | PASS    |
|           |           |                      |              |            | 40         | -2.03            | -0.00108              | PASS    |
|           |           |                      |              |            | 50         | -2.06            | -0.0011               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -2.22            | -0.00117              | PASS    |
|           |           |                      |              |            | -20        | -2.15            | -0.00113              | PASS    |
|           |           |                      |              |            | -10        | -2.3             | -0.00121              | PASS    |
|           |           |                      |              |            | 0          | -3.59            | -0.00189              | PASS    |
|           |           |                      |              |            | 10         | -3.1             | -0.00163              | PASS    |
|           |           |                      |              |            | 20         | -3.26            | -0.00172              | PASS    |
|           |           |                      |              |            | 30         | -1.17            | -0.00062              | PASS    |
|           |           |                      |              |            | 40         | -1.29            | -0.00068              | PASS    |
|           |           |                      |              |            | 50         | -3.48            | -0.00183              | PASS    |

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END