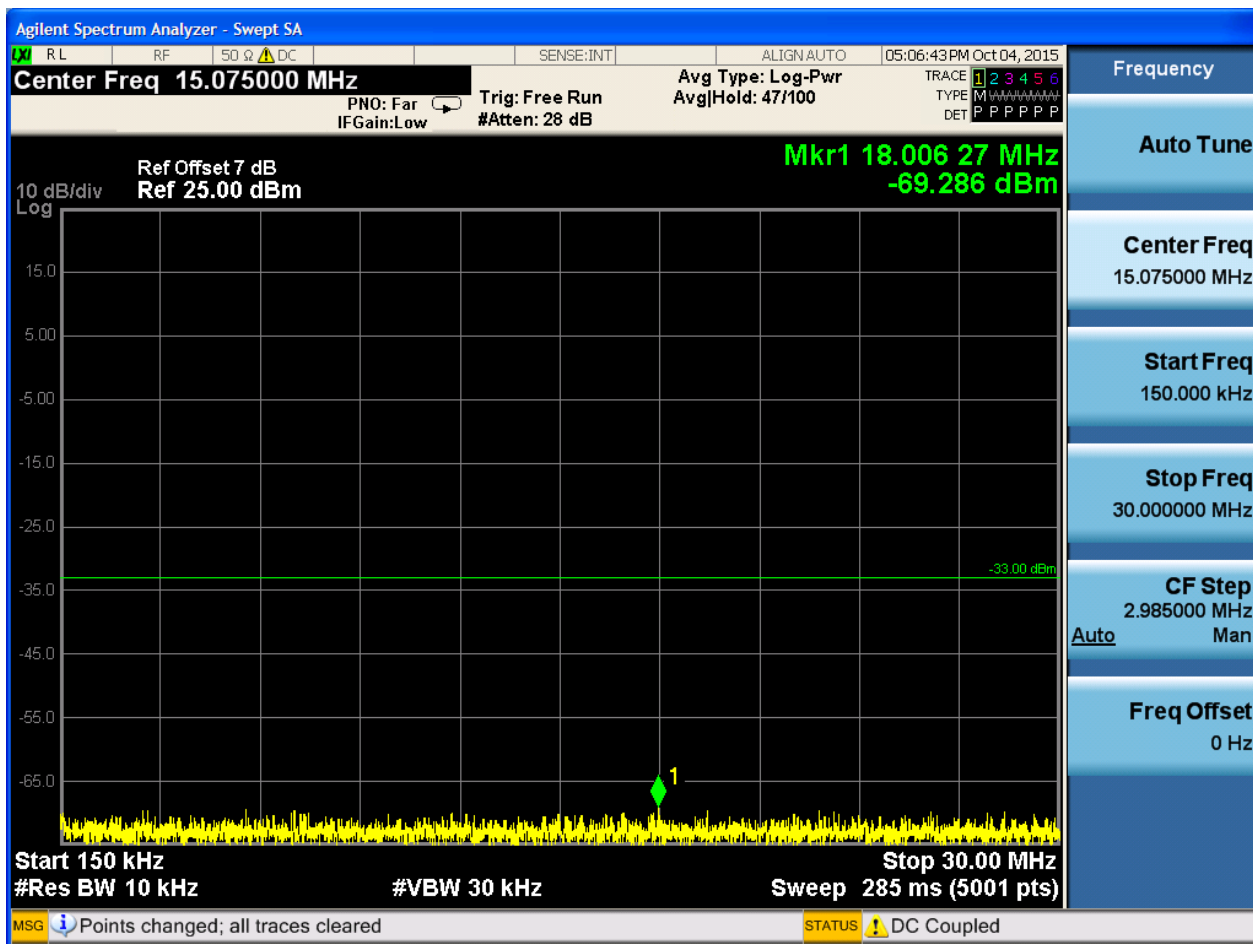
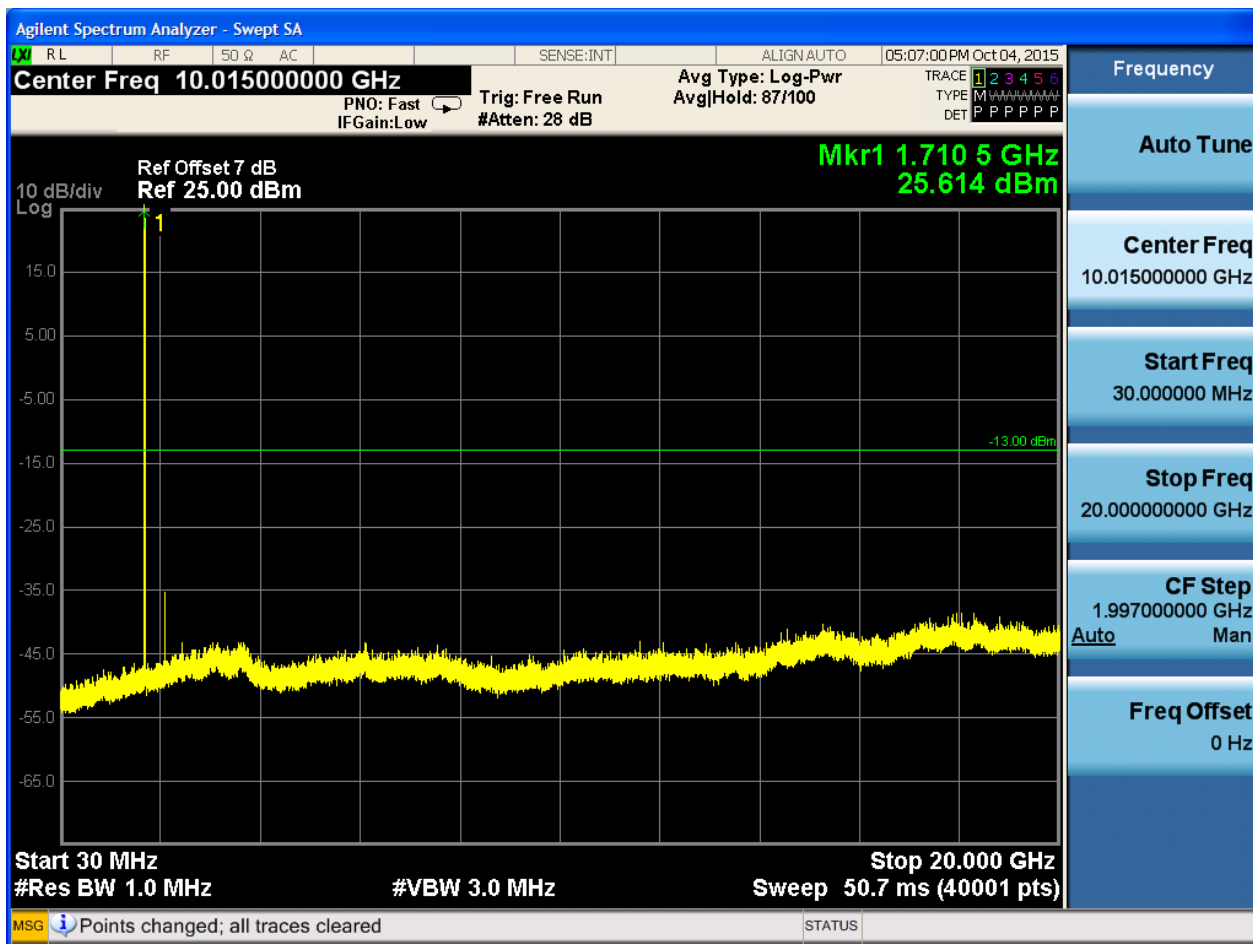


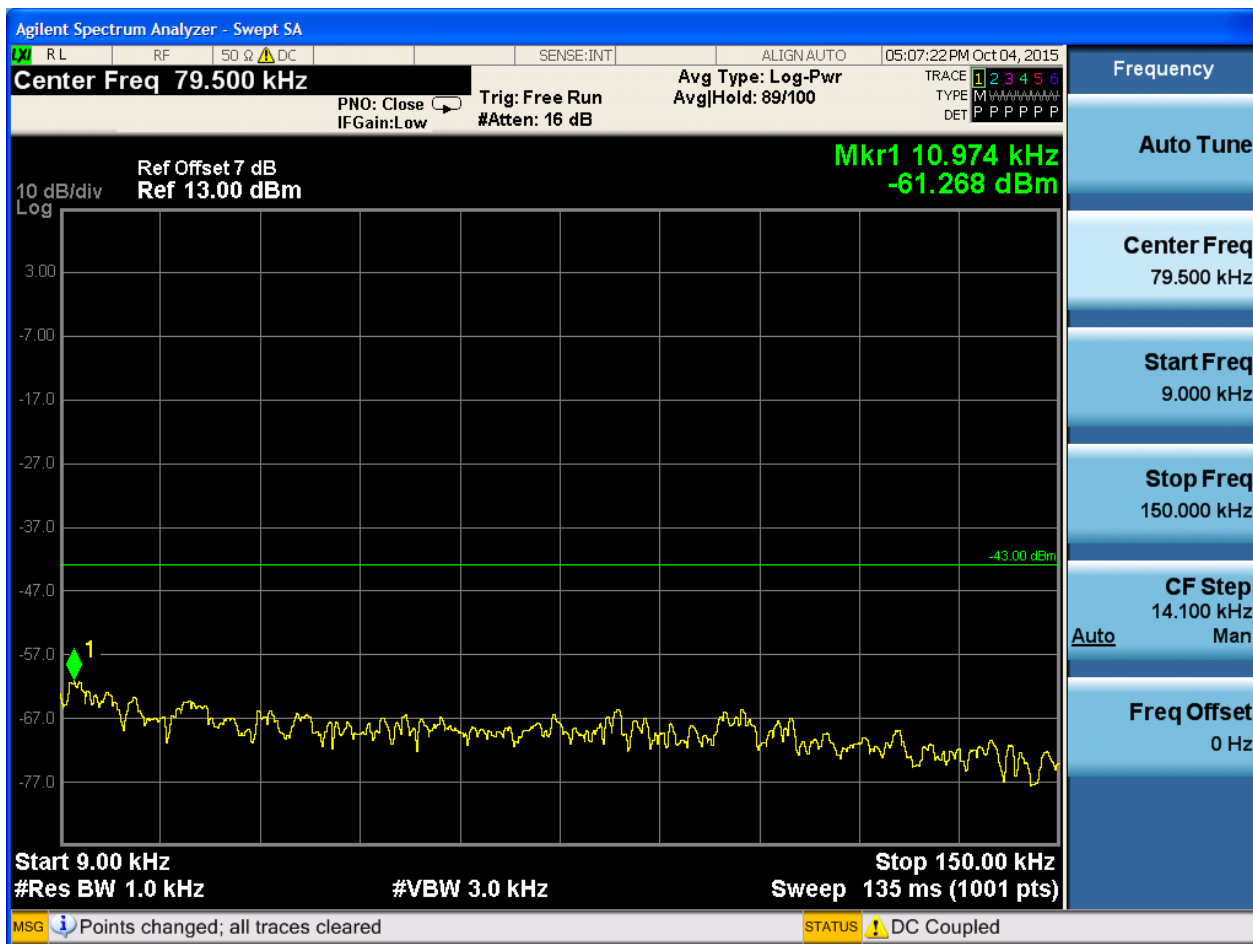


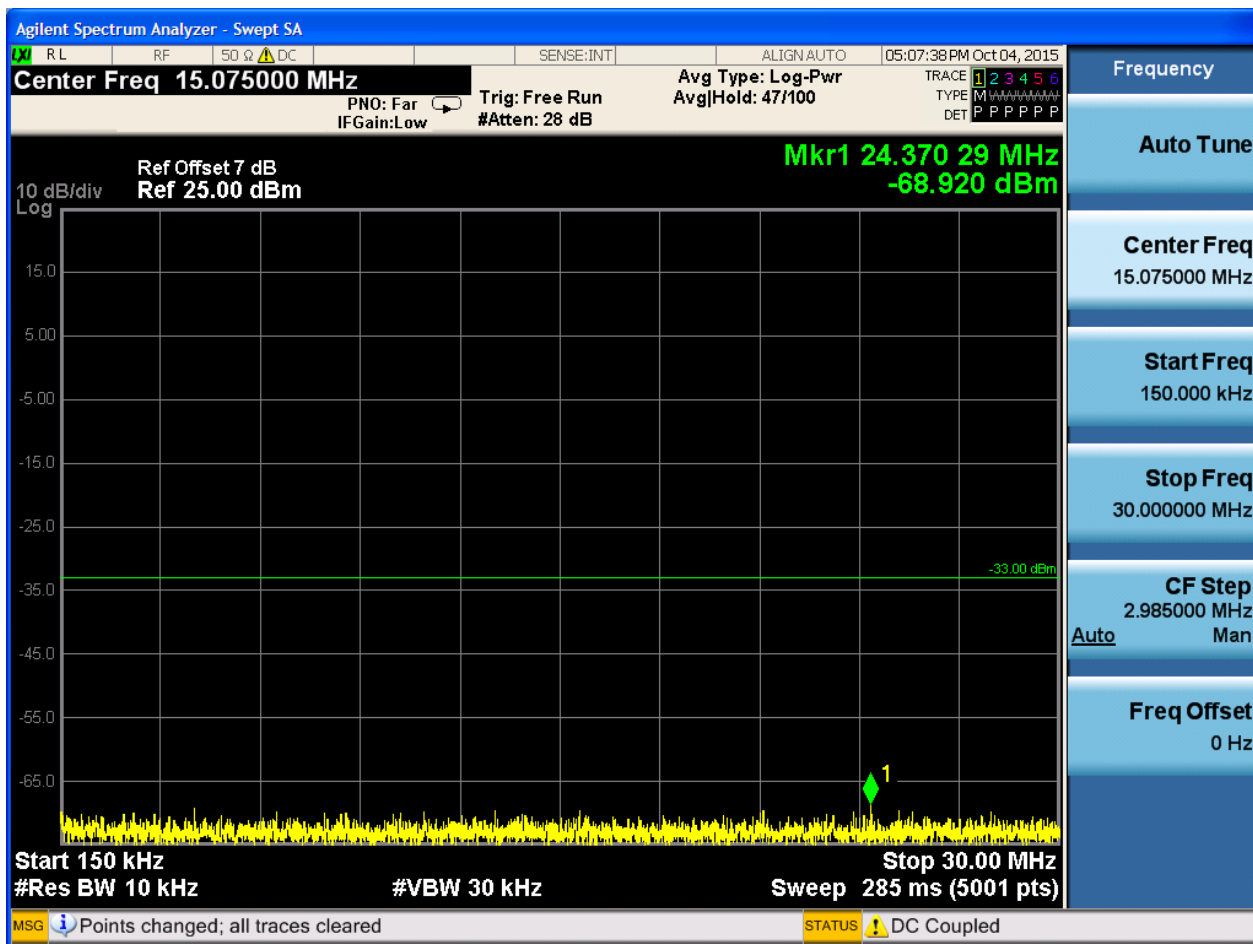


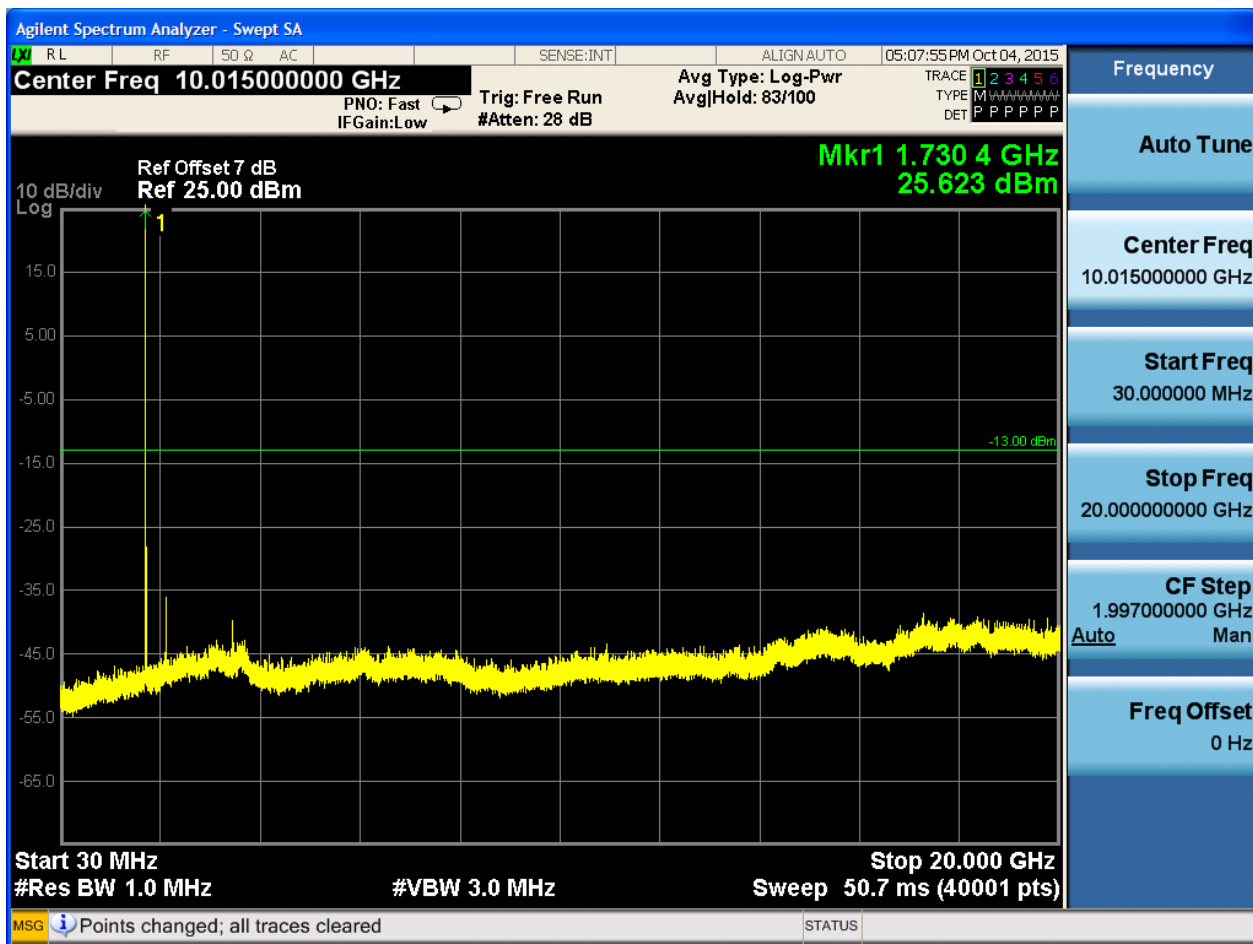


## 6.1.1.2.3.2 Test Channel = MCH

## 6.1.1.2.3.2.1 Test RB = RB1#0



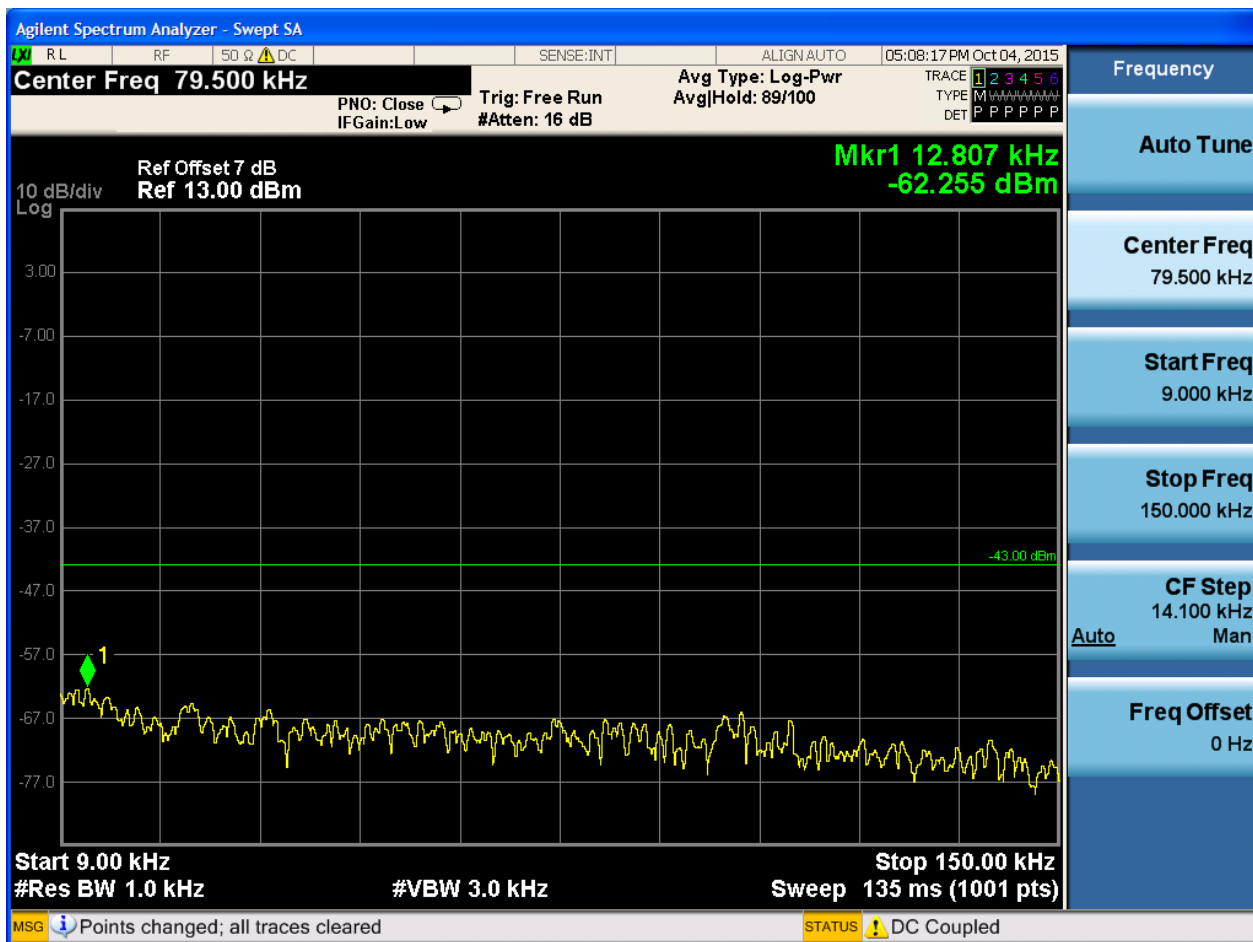


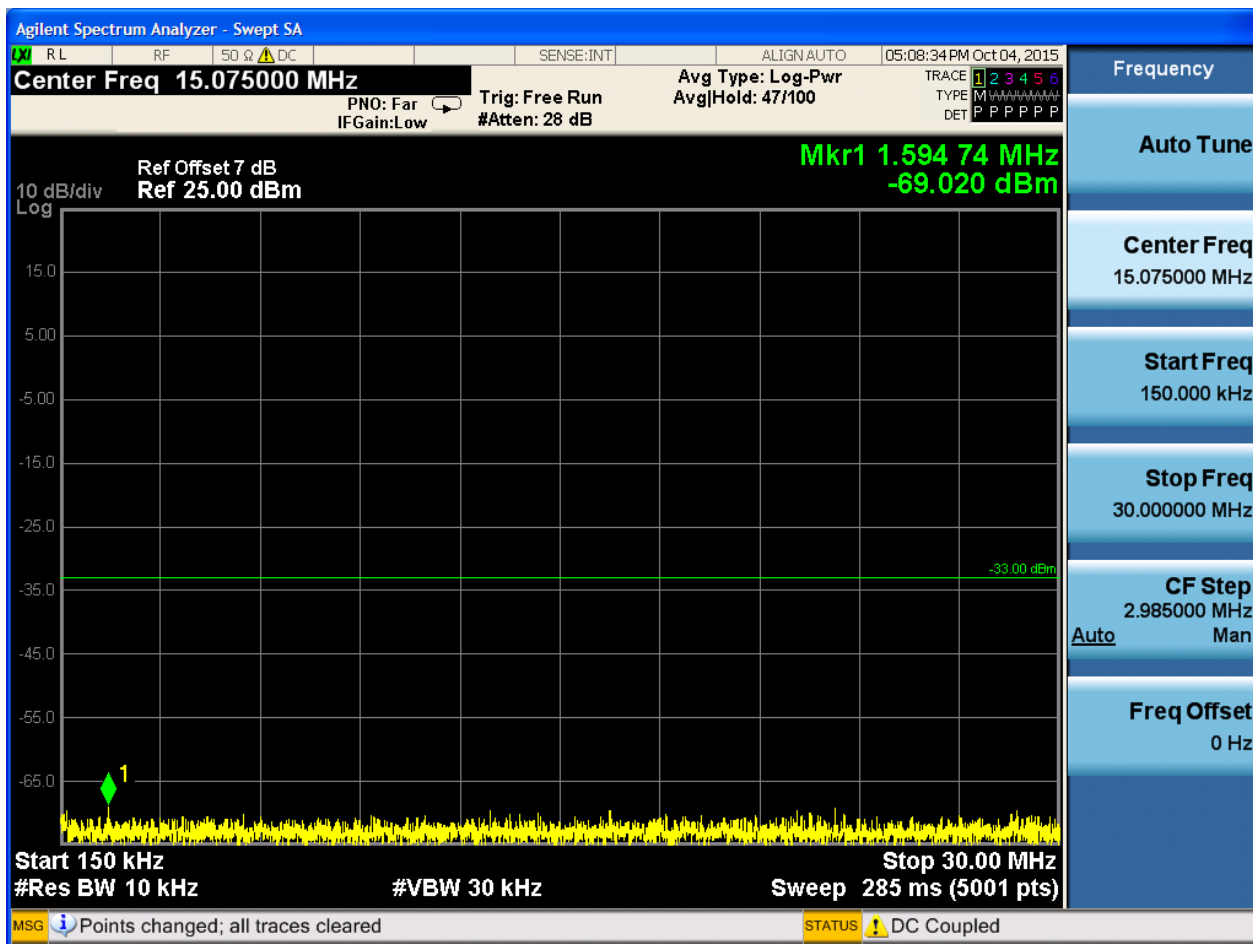


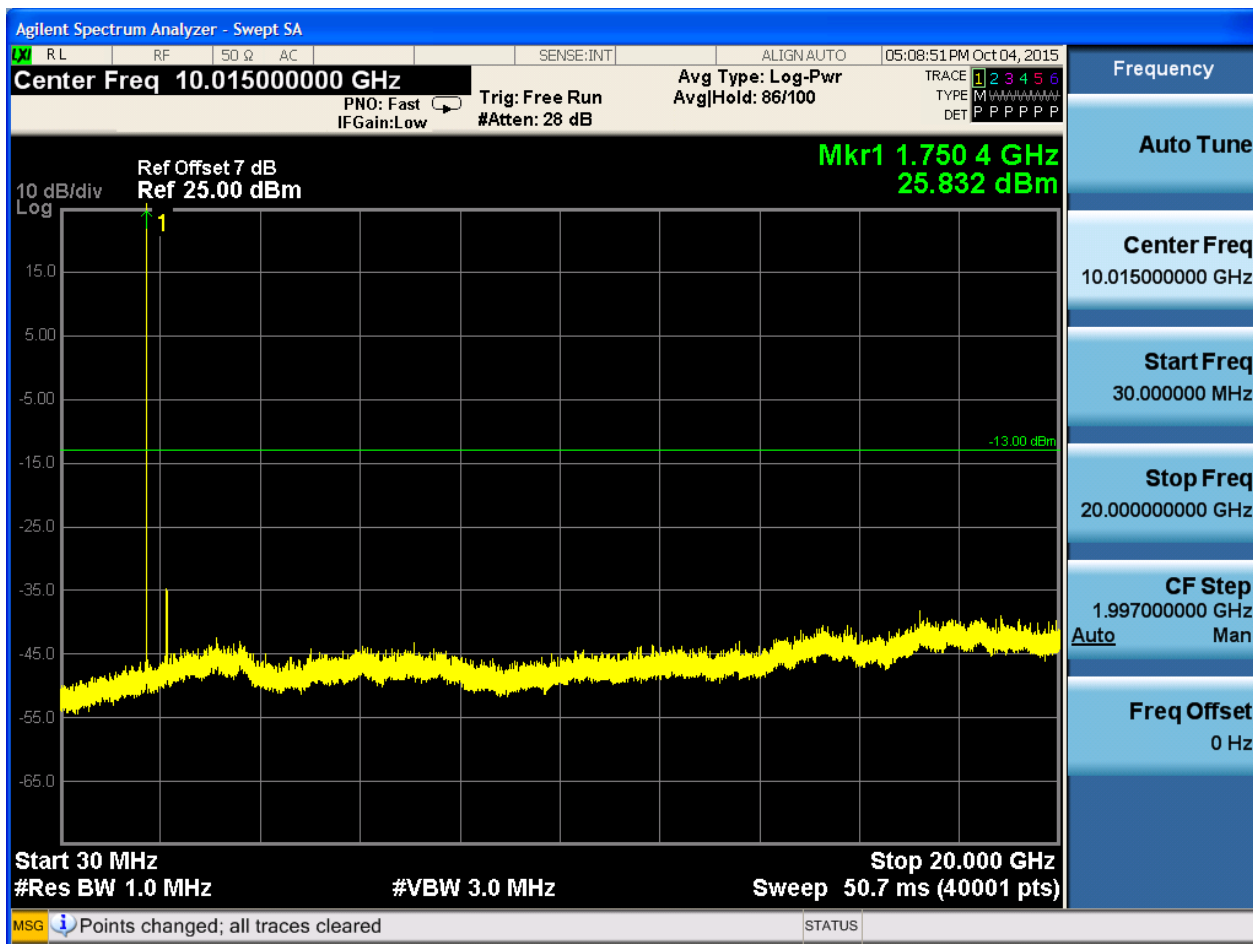


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0



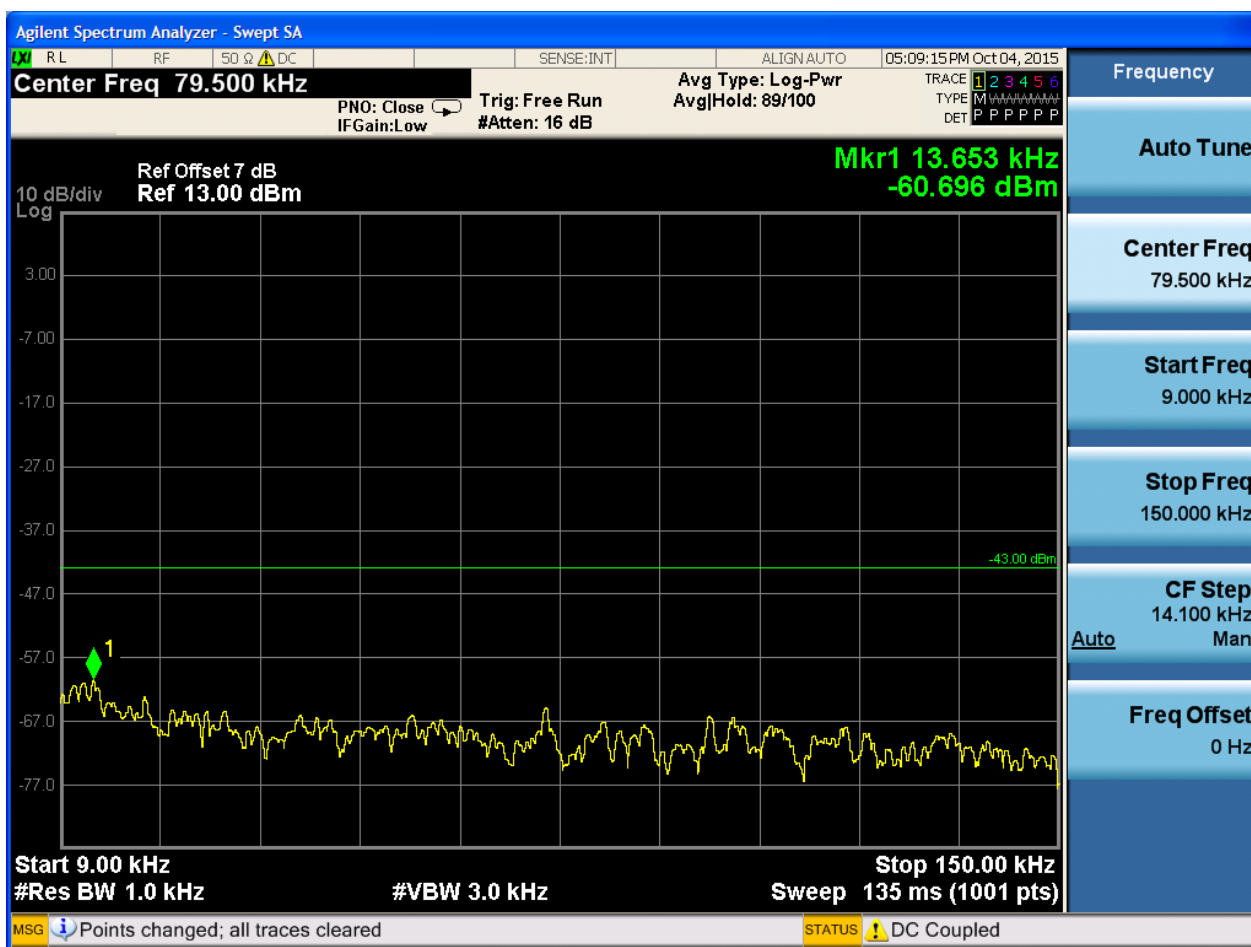


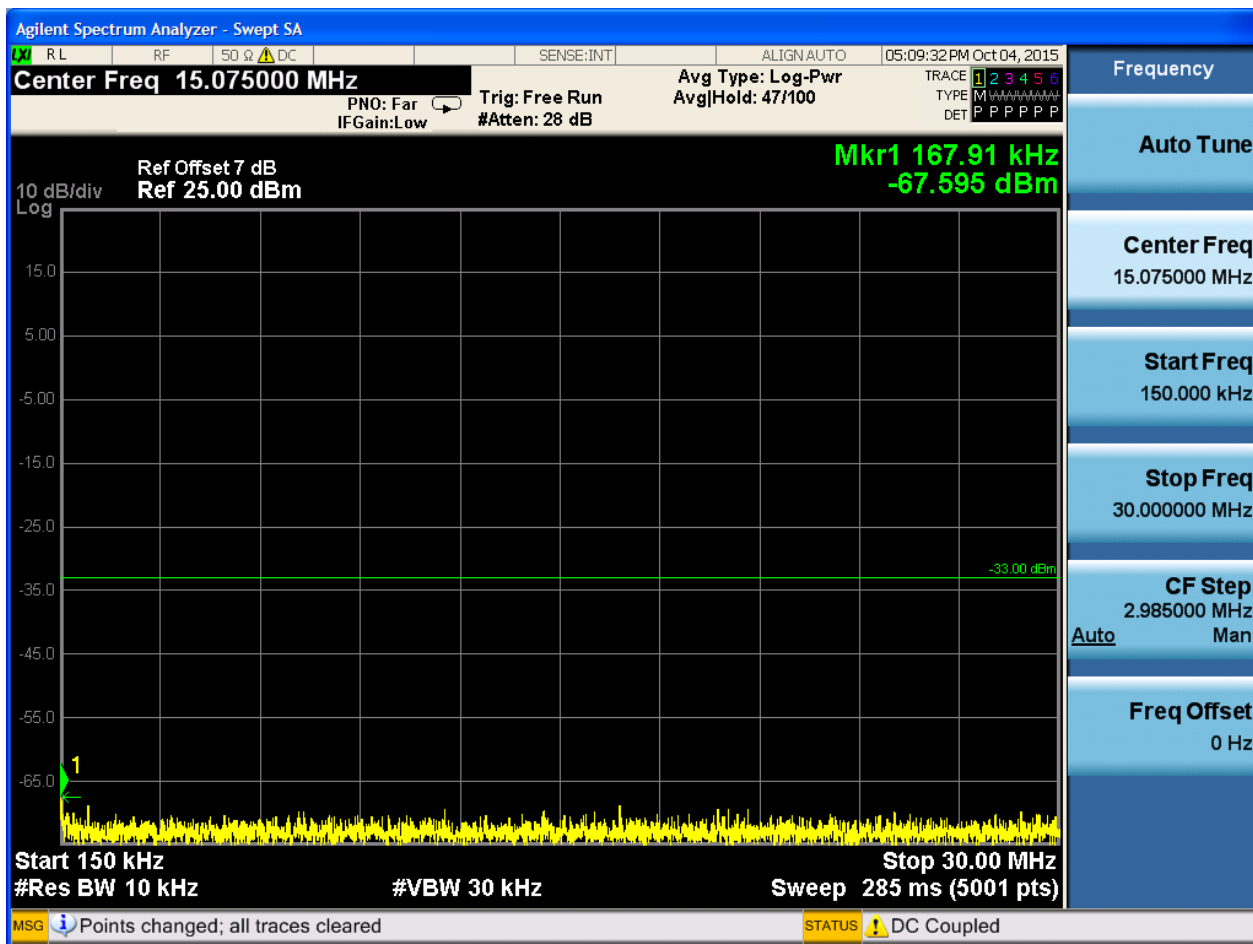


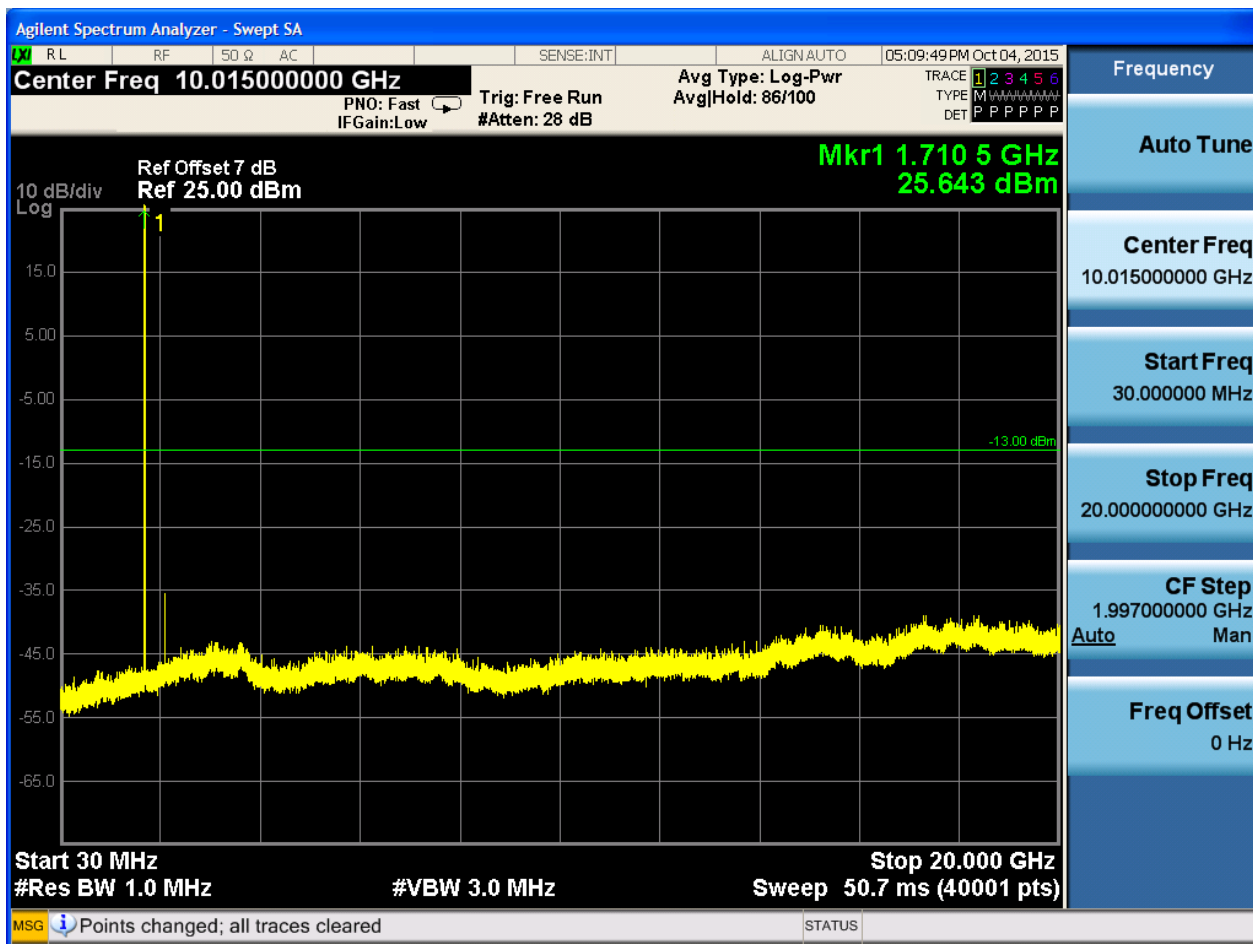
#### 6.1.1.2.4 Test Bandwidth = 10

##### 6.1.1.2.4.1 Test Channel = LCH

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



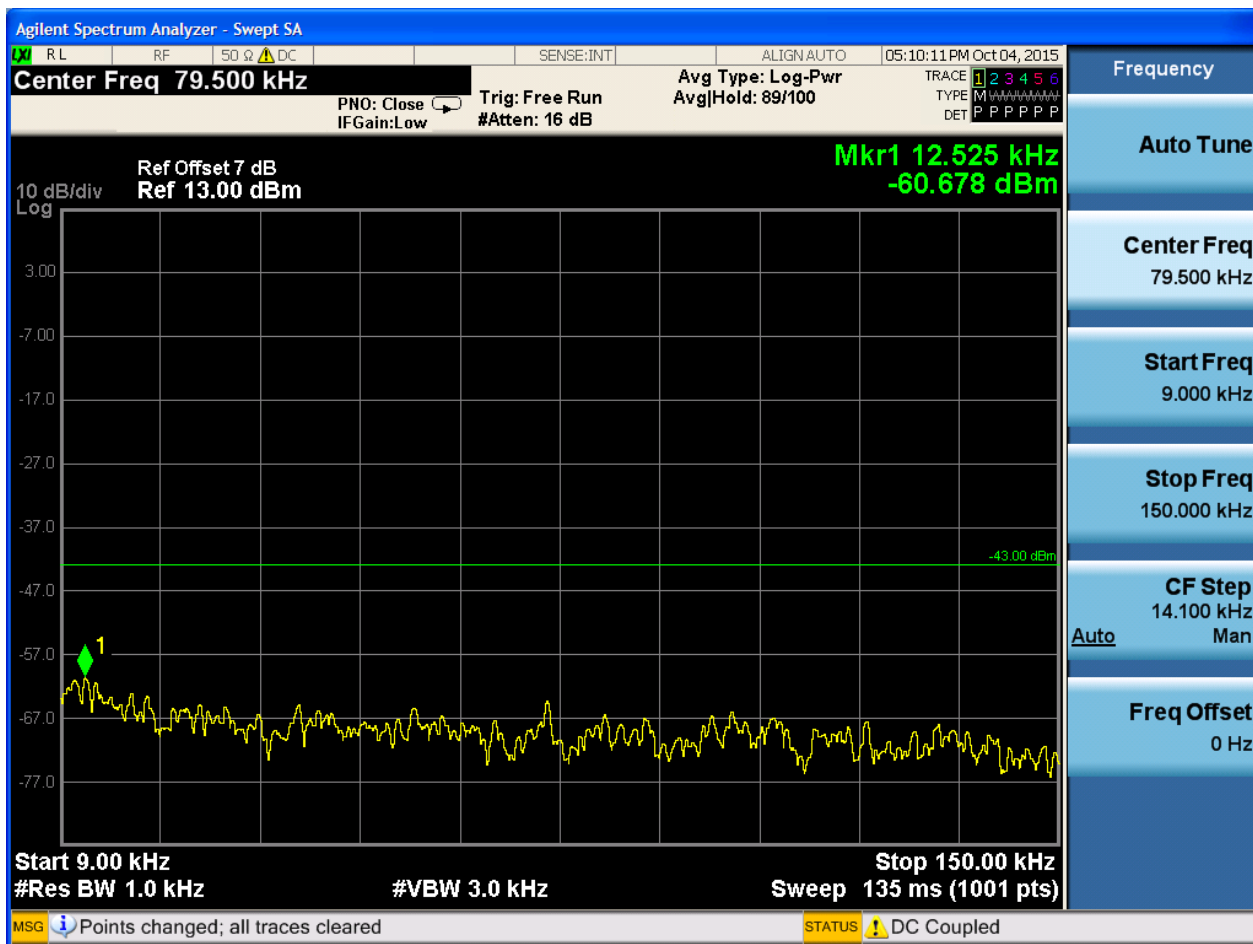


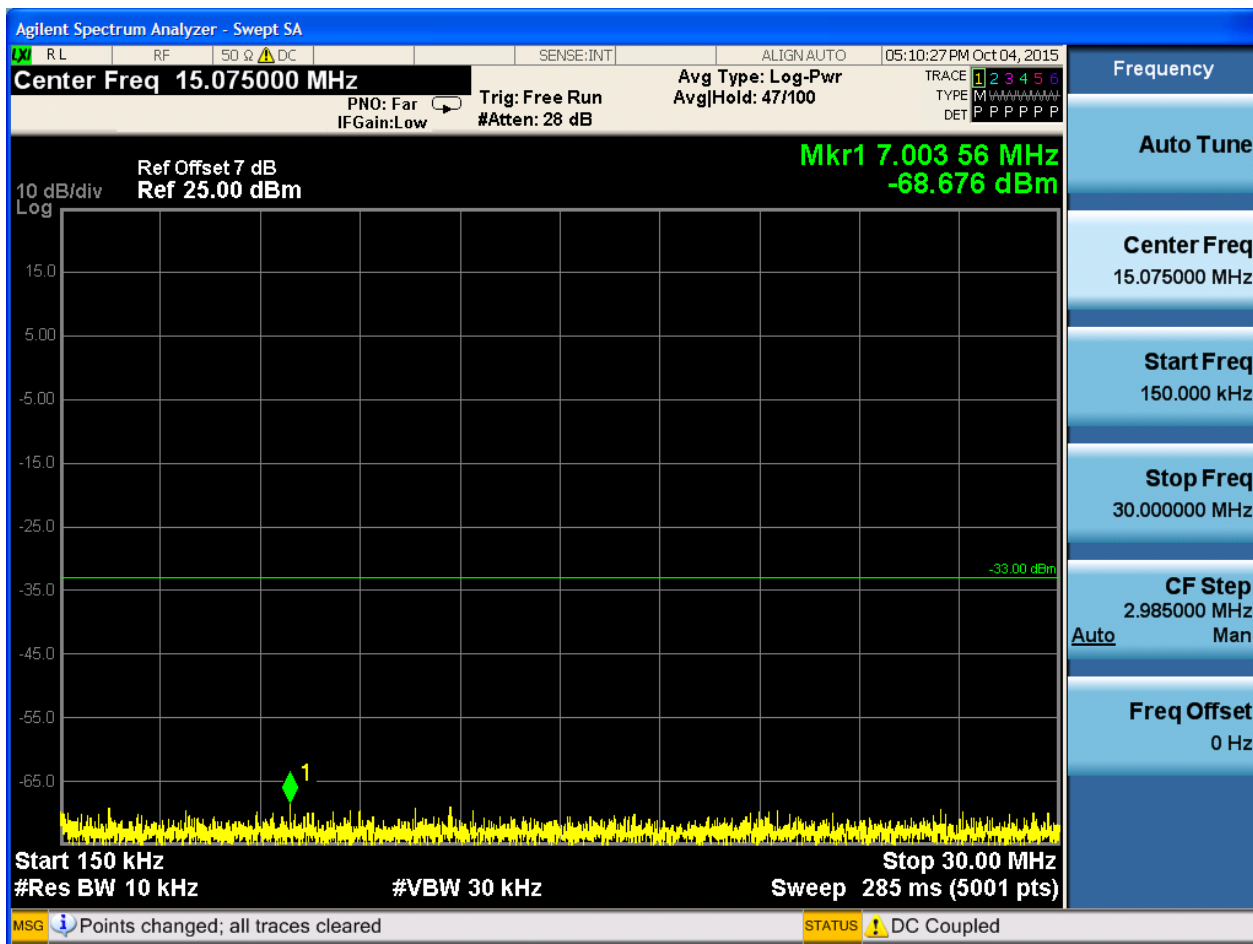


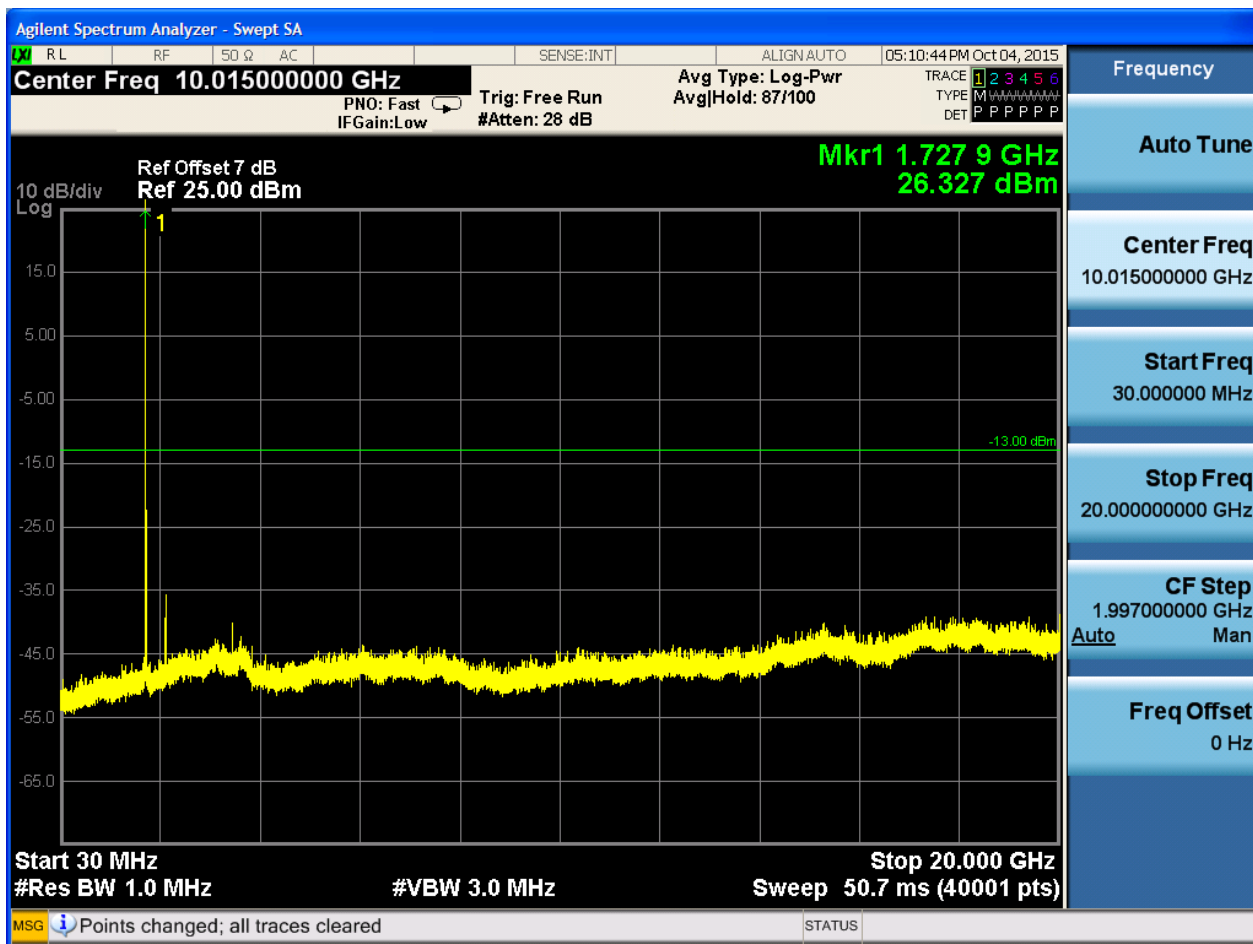


## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0



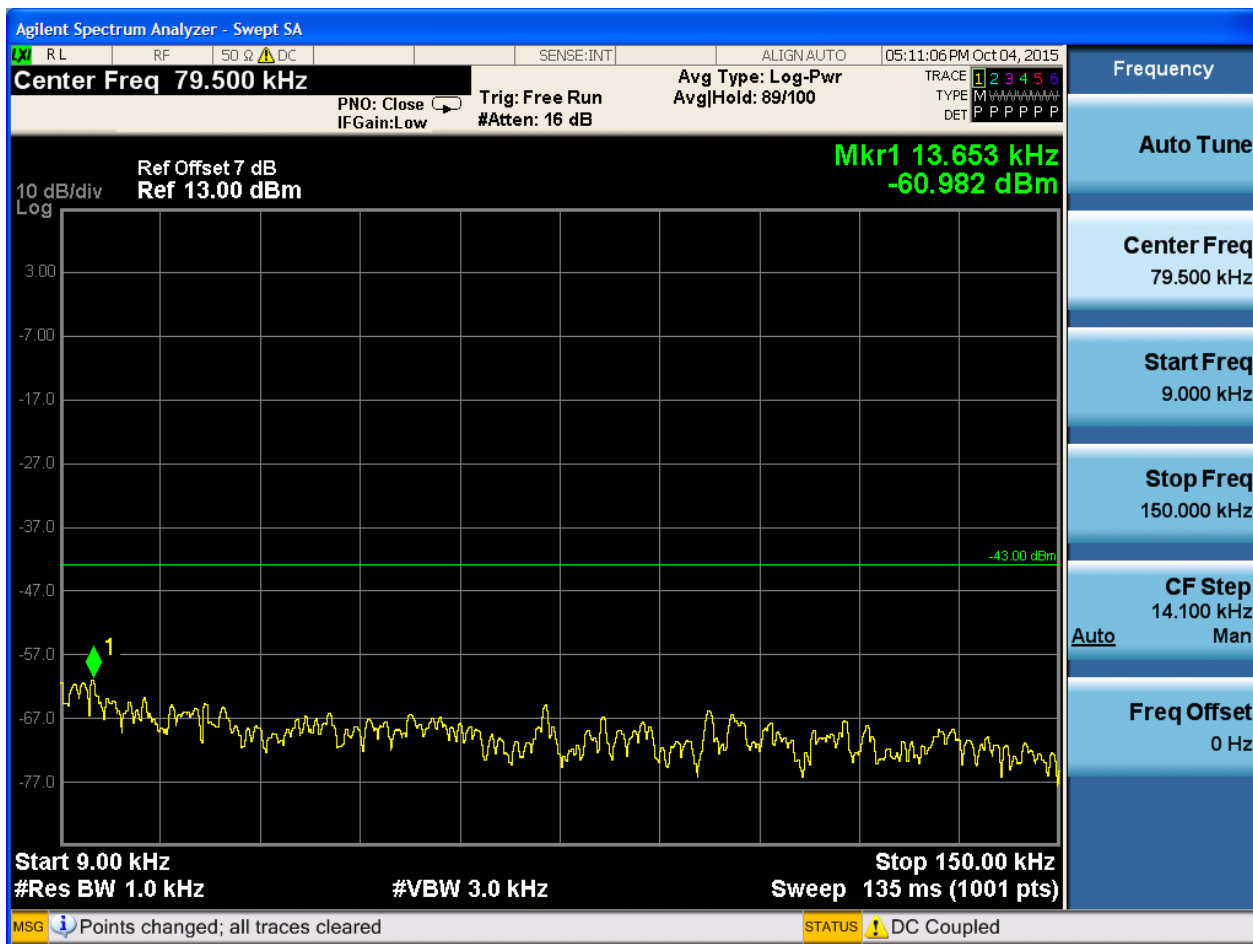


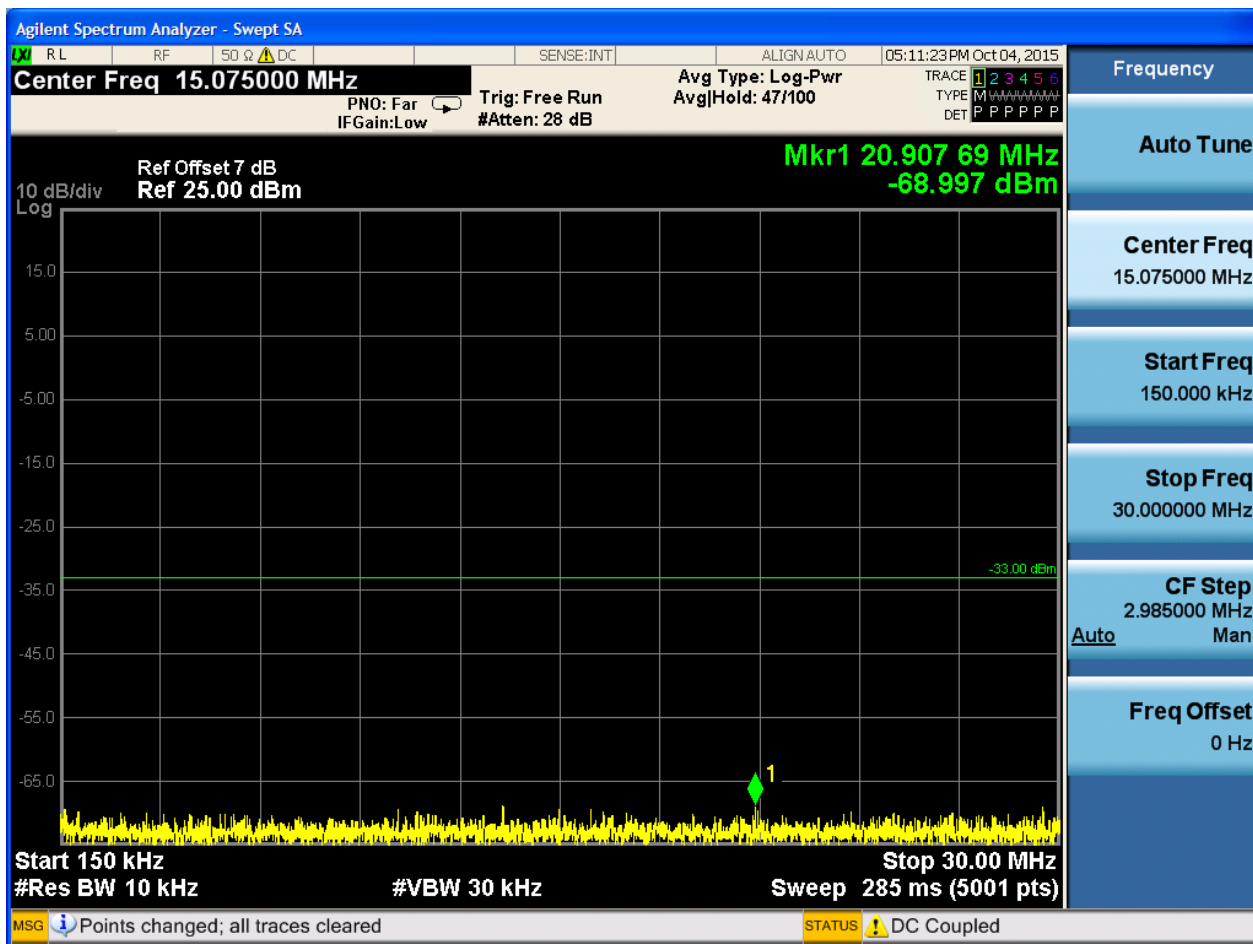


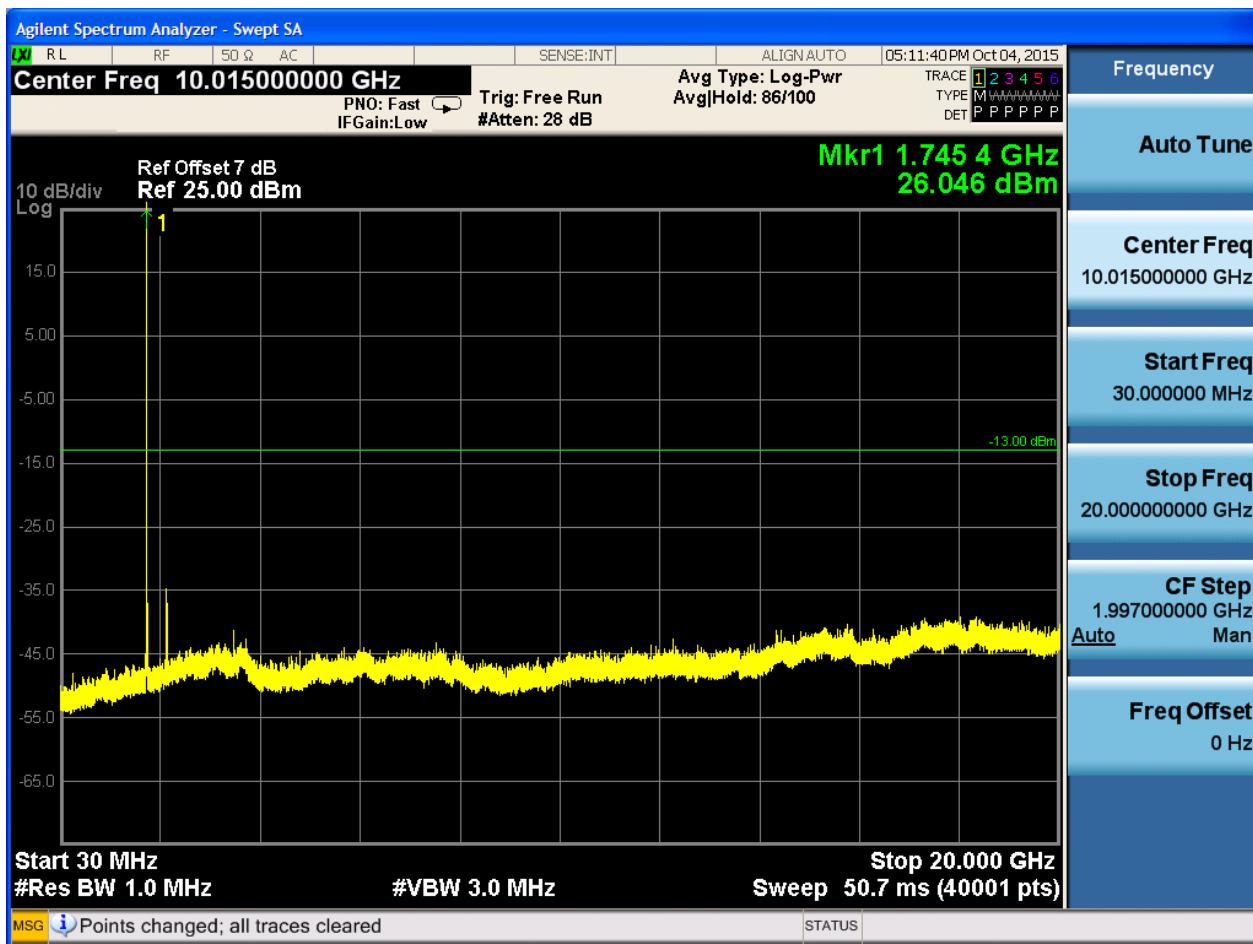


## 6.1.1.2.4.3 Test Channel = HCH

## 6.1.1.2.4.3.1 Test RB = RB1#0





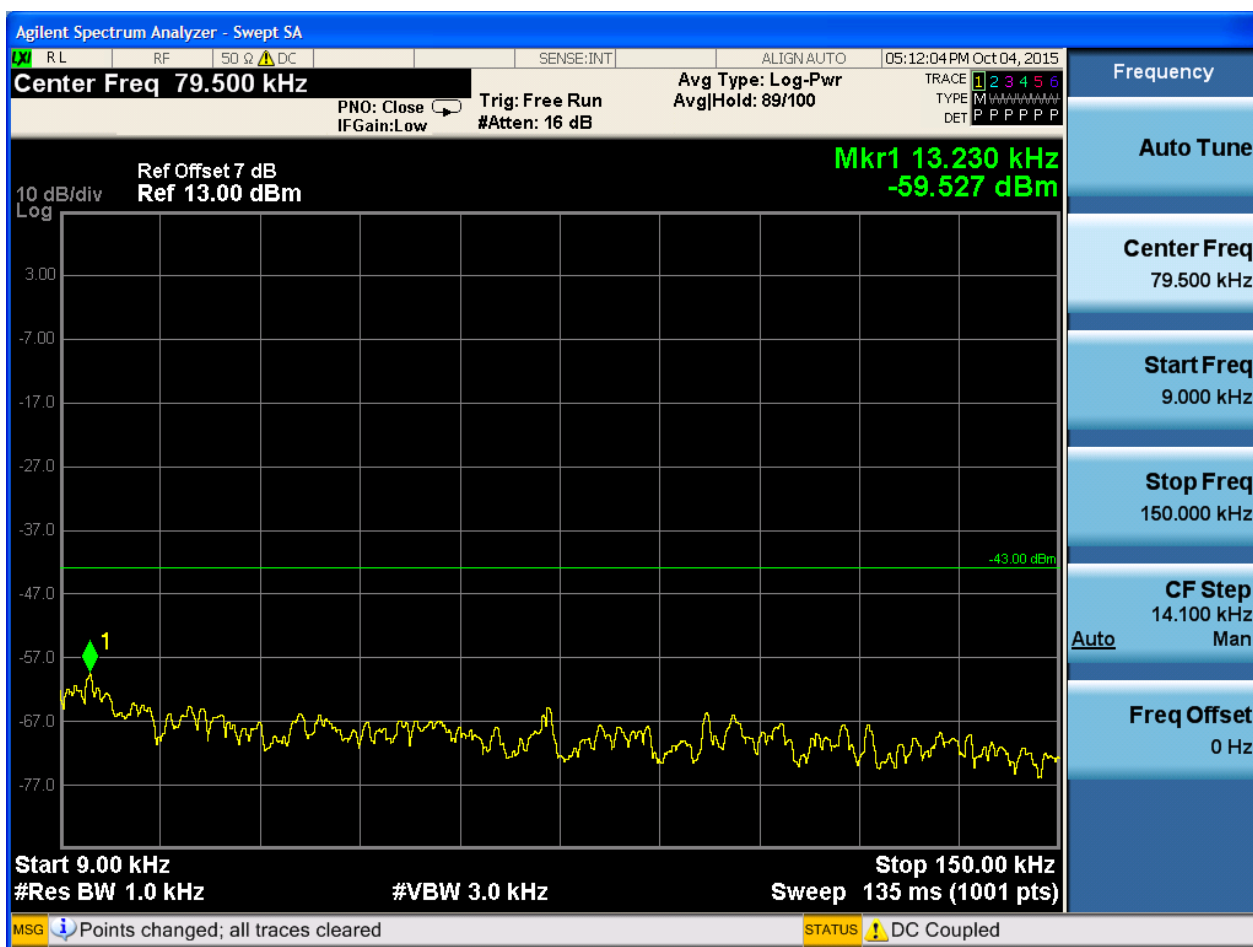


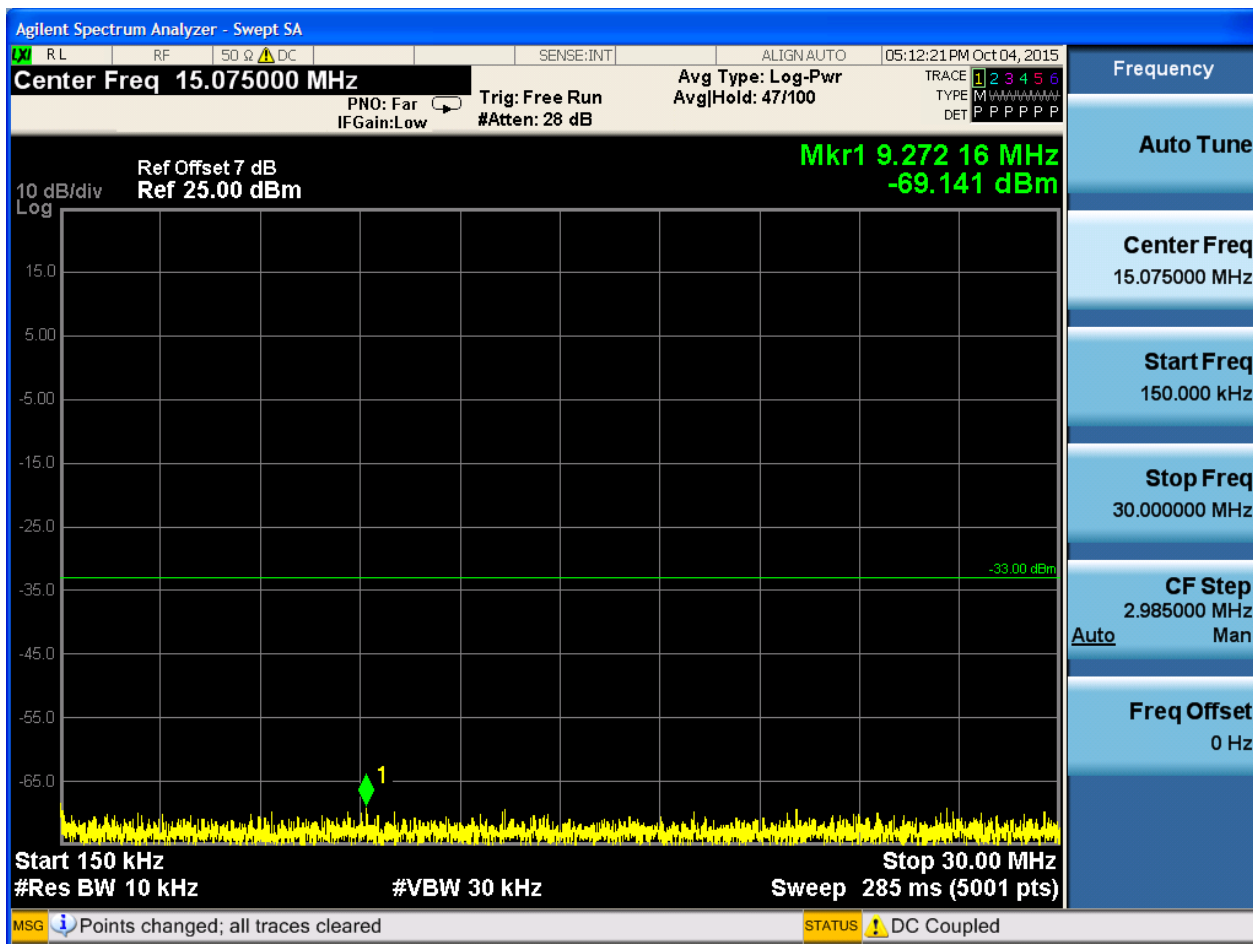


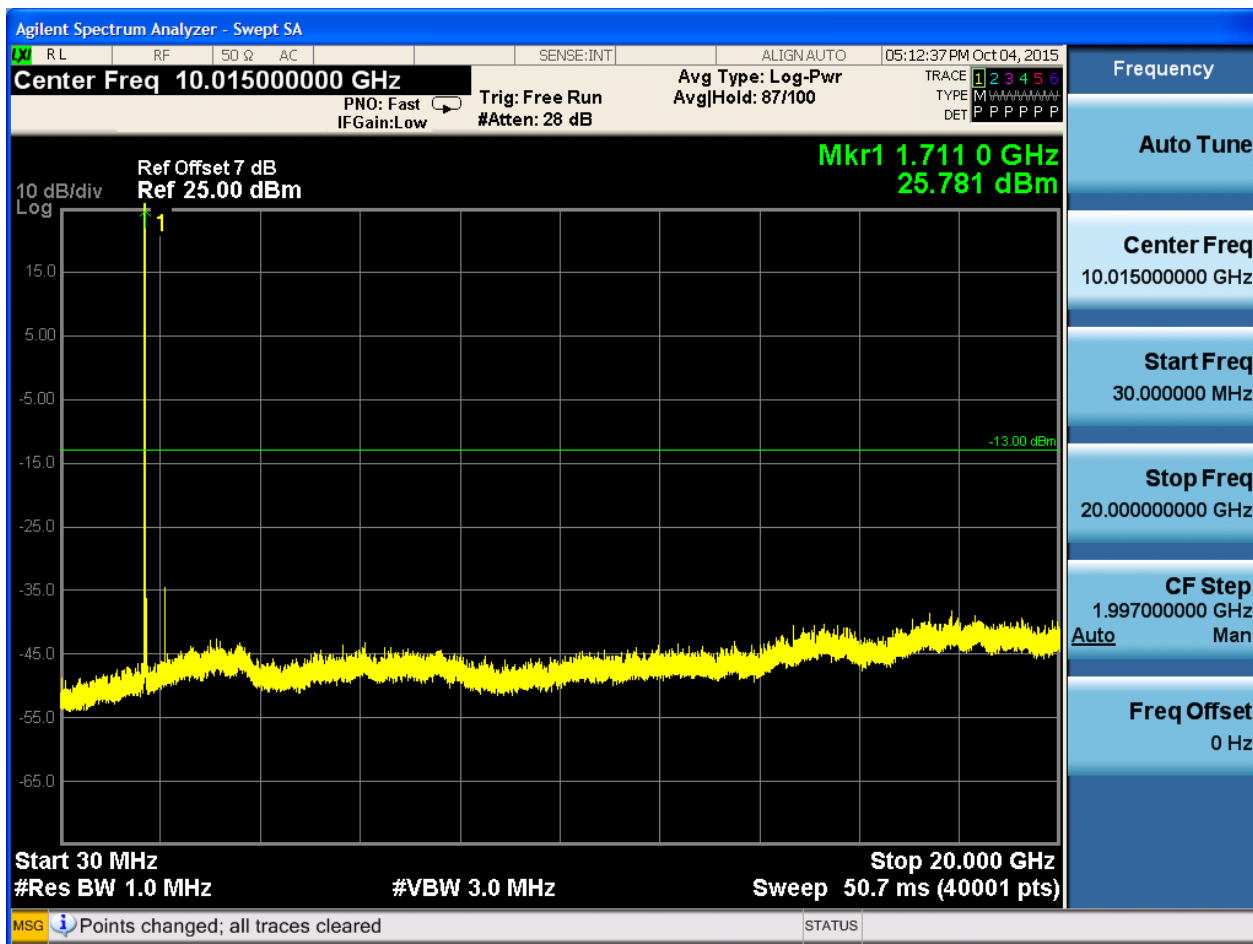
## 6.1.1.2.5 Test Bandwidth = 15

## 6.1.1.2.5.1 Test Channel = LCH

## 6.1.1.2.5.1.1 Test RB = RB1#0



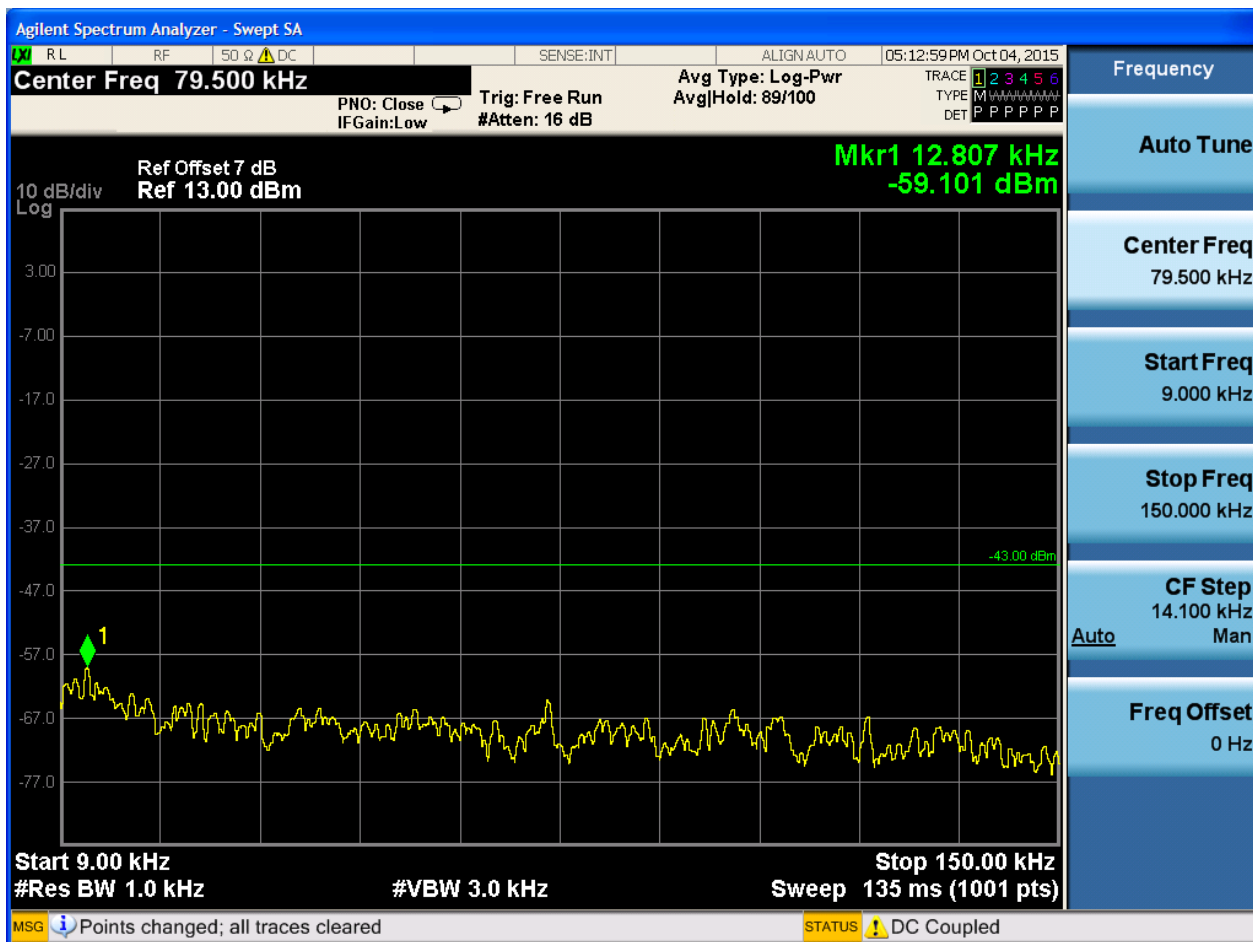


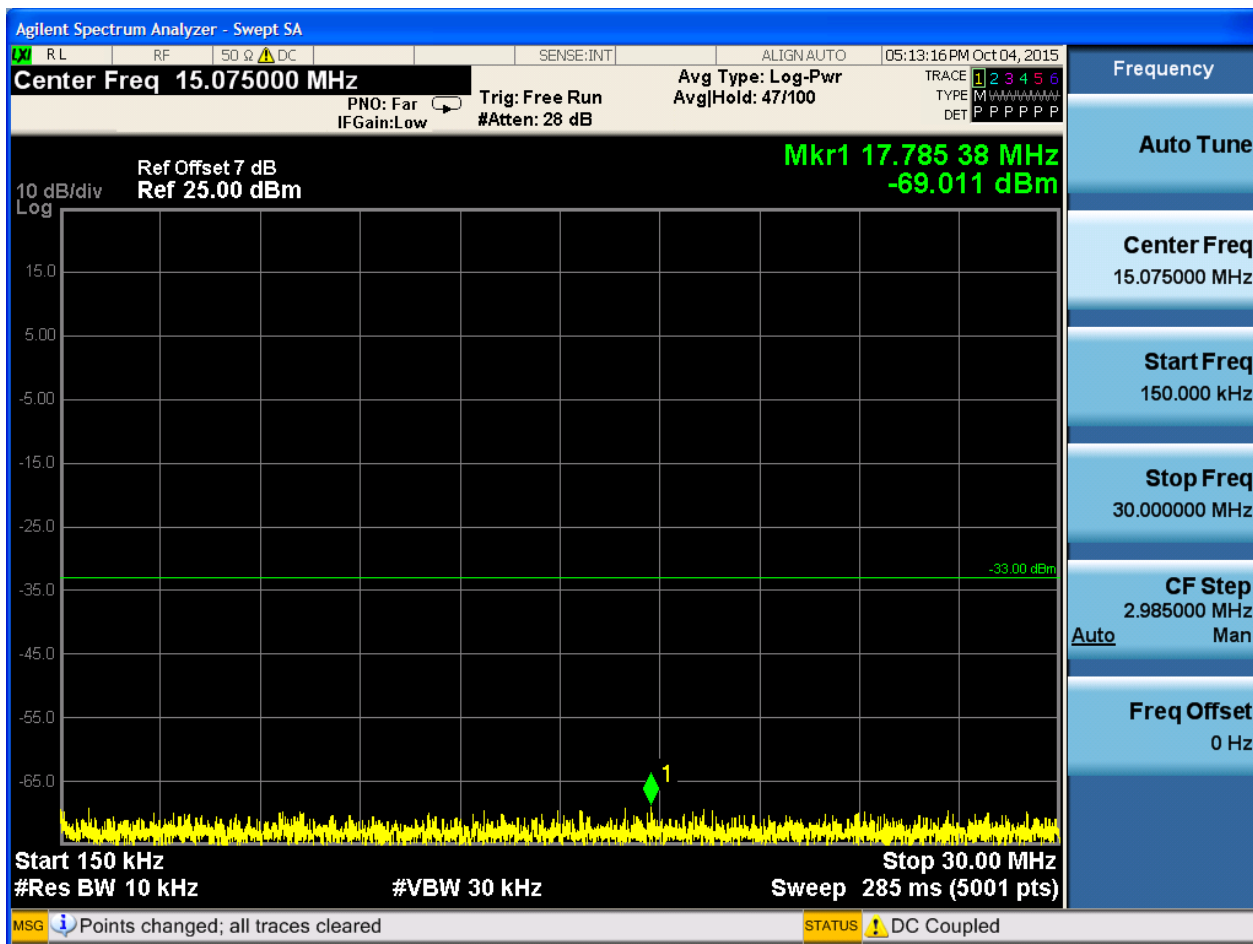


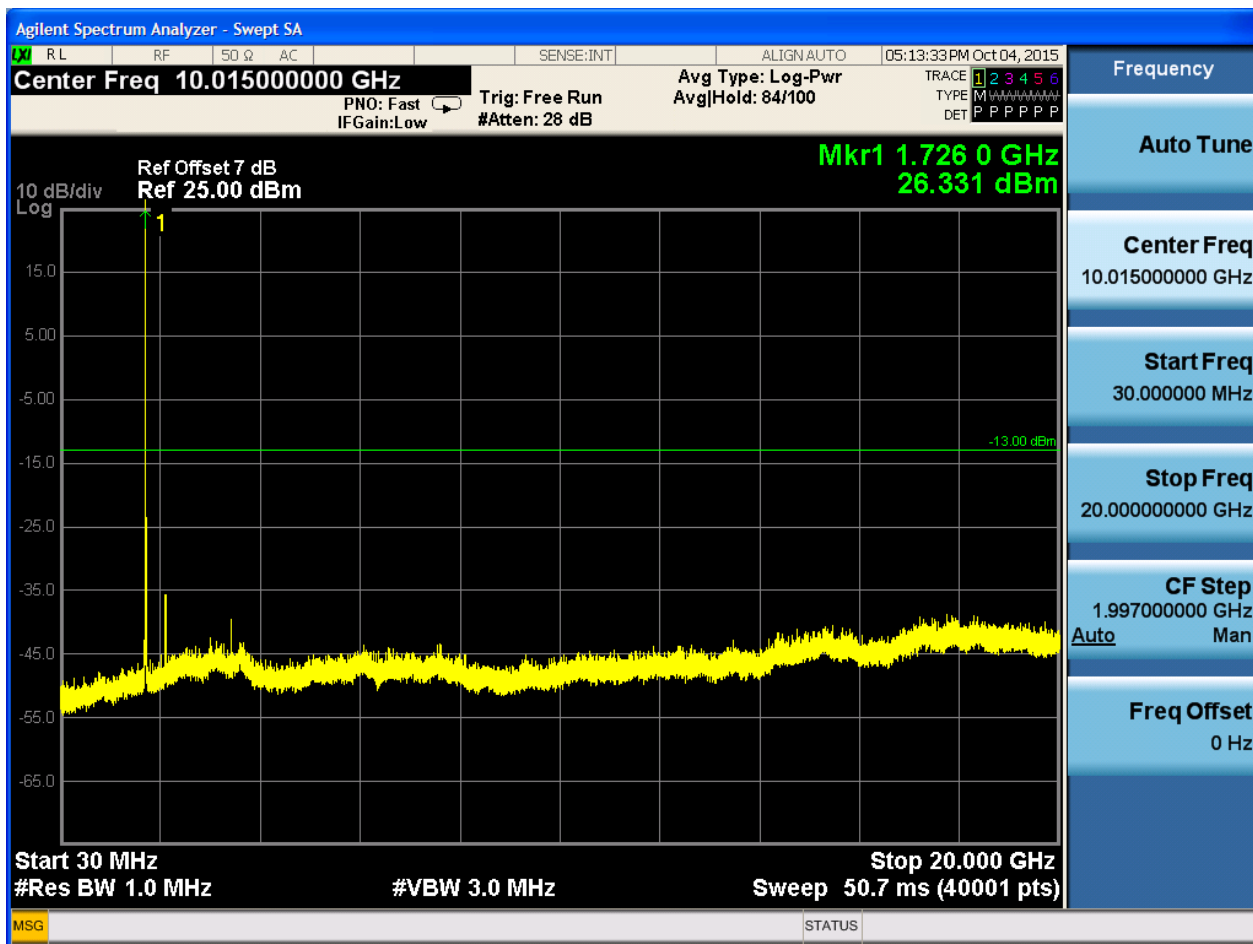


## 6.1.1.2.5.2 Test Channel = MCH

## 6.1.1.2.5.2.1 Test RB = RB1#0



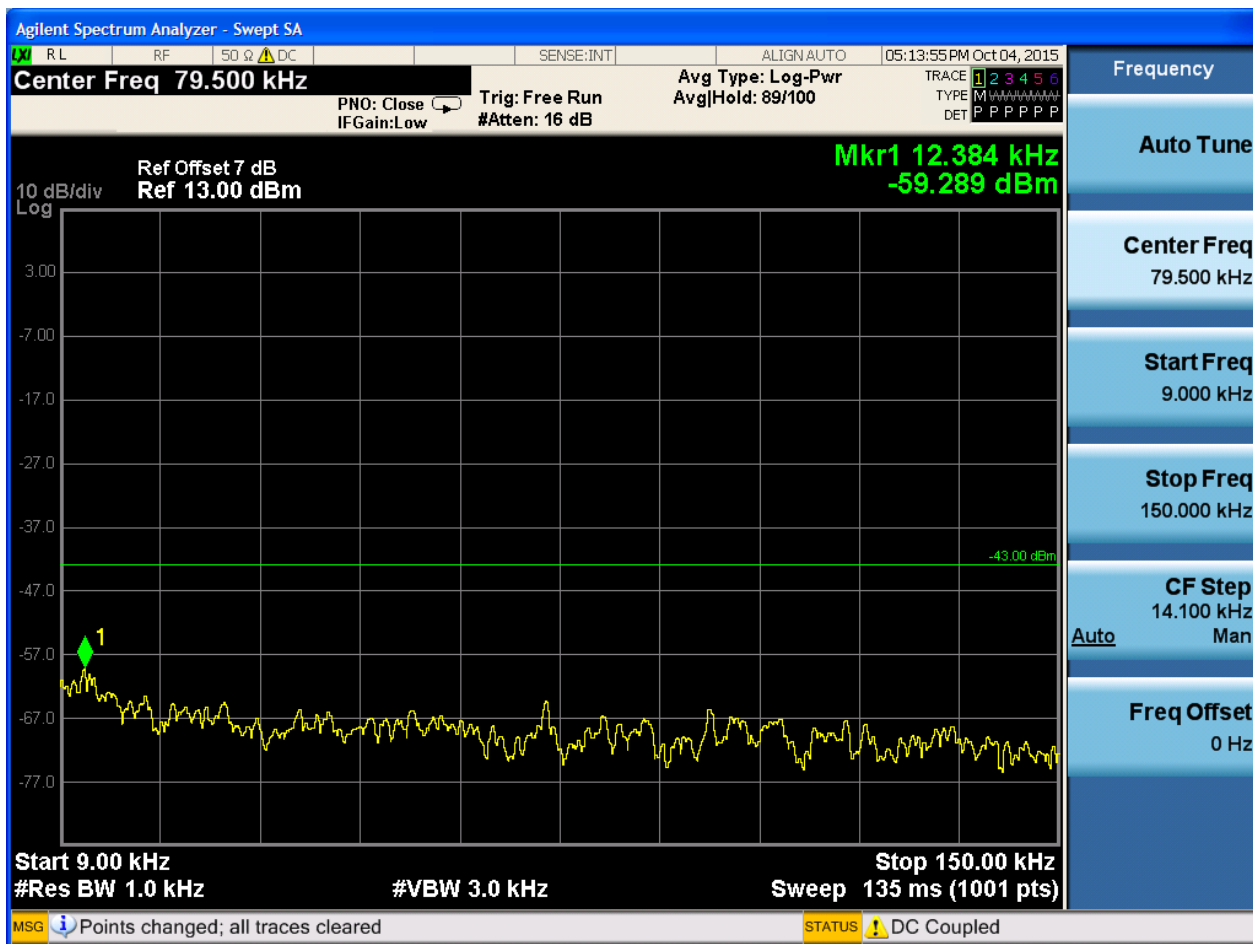




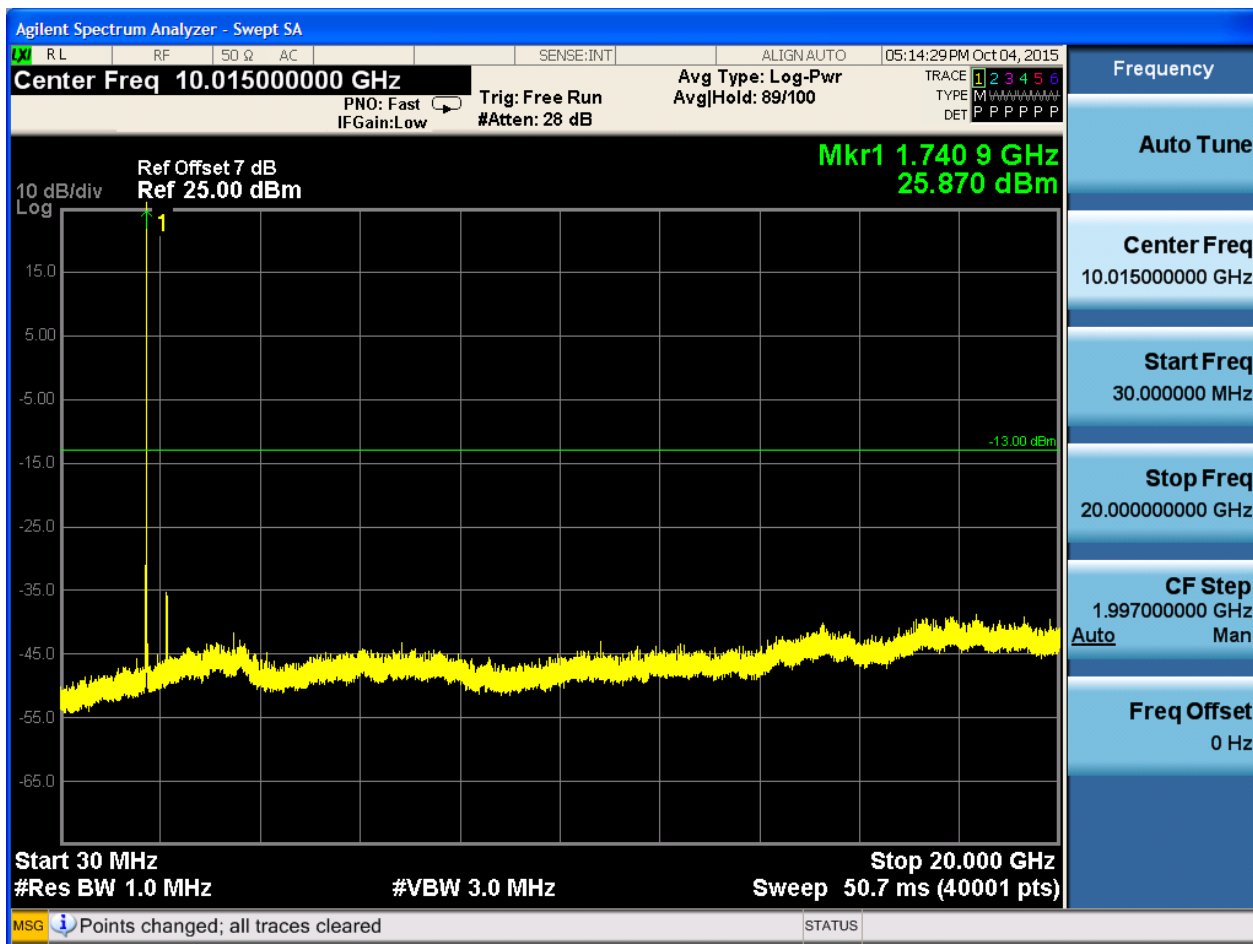


## 6.1.1.2.5.3 Test Channel = HCH

## 6.1.1.2.5.3.1 Test RB = RB1#0





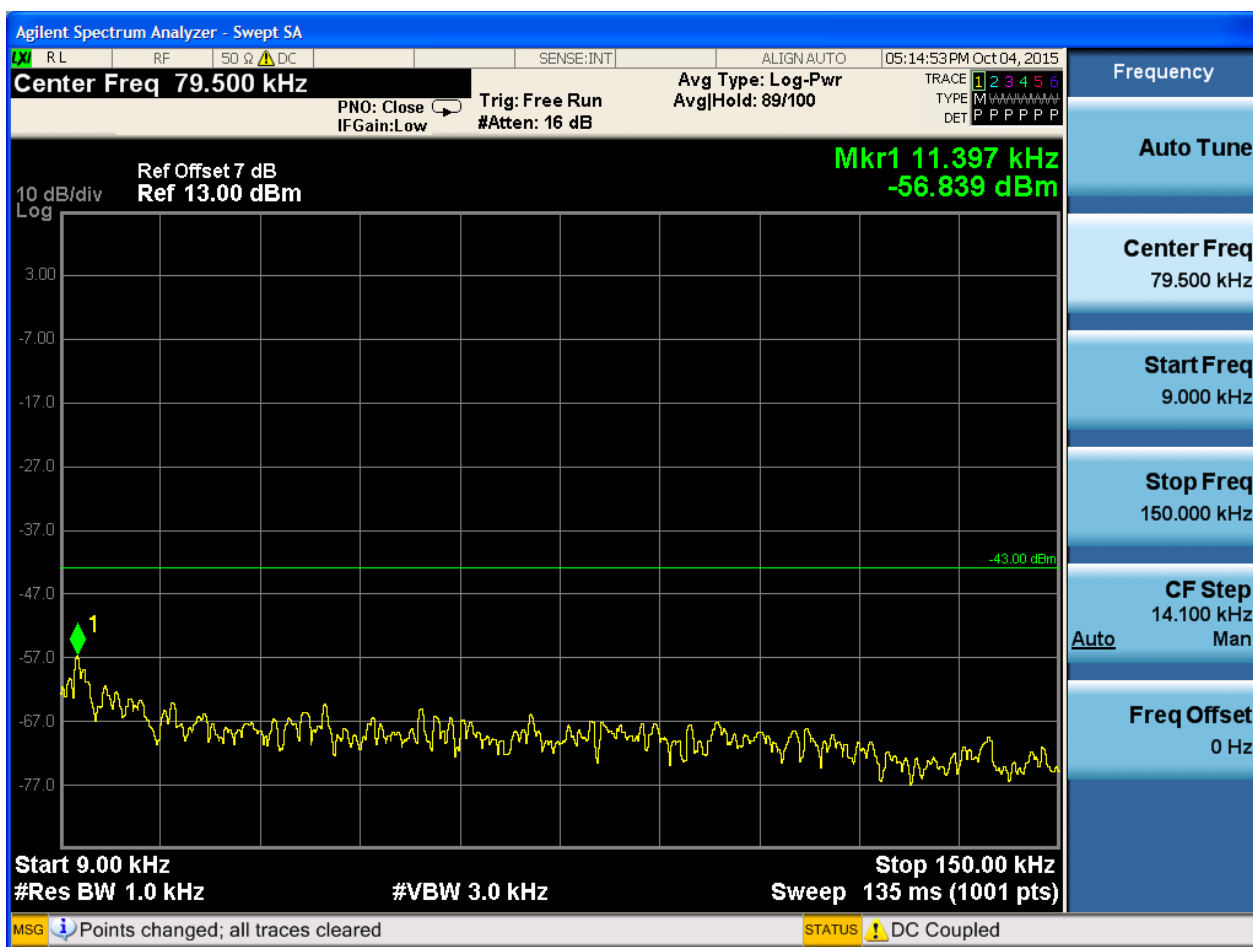




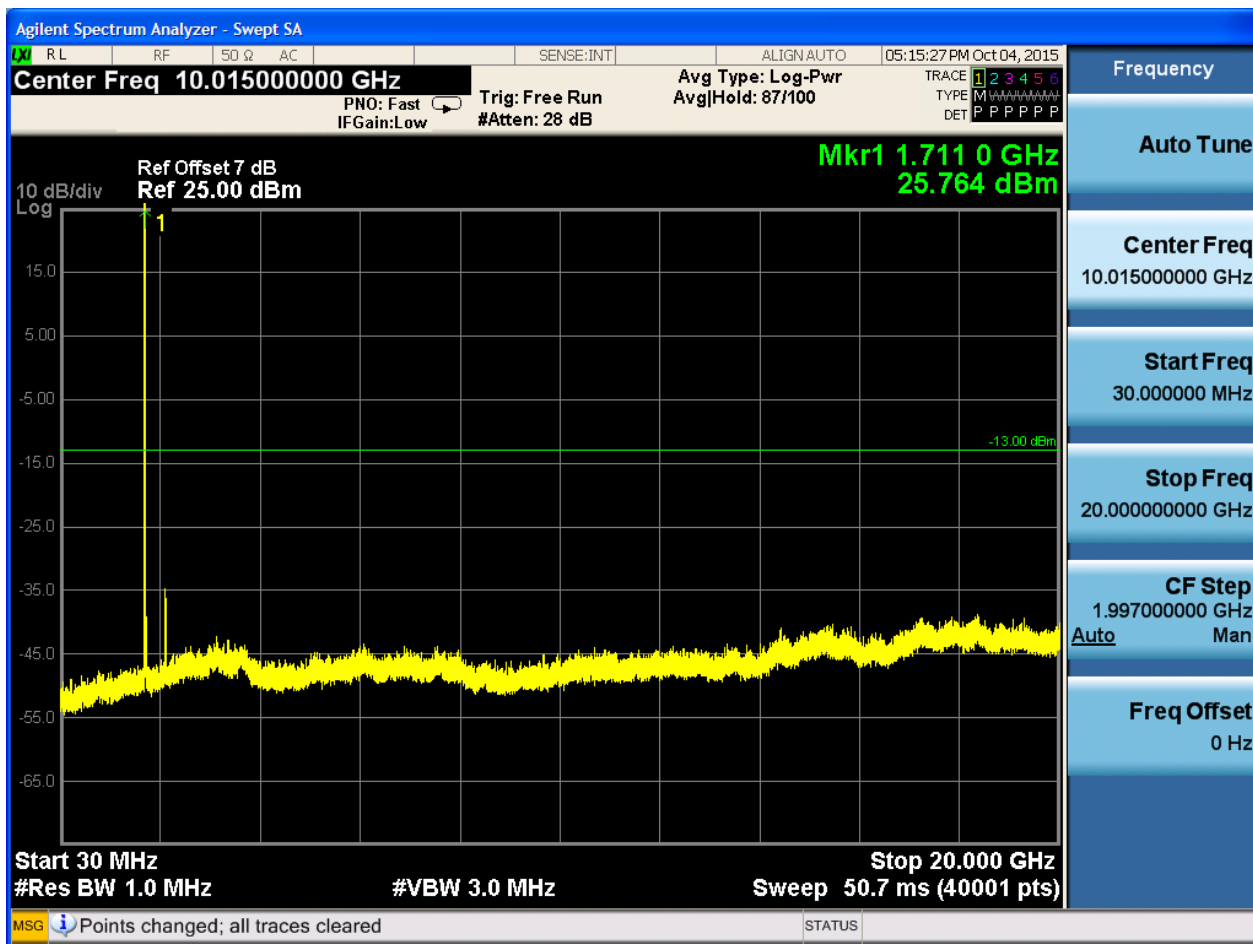
## 6.1.1.2.6 Test Bandwidth = 20

## 6.1.1.2.6.1 Test Channel = LCH

## 6.1.1.2.6.1.1 Test RB = RB1#0



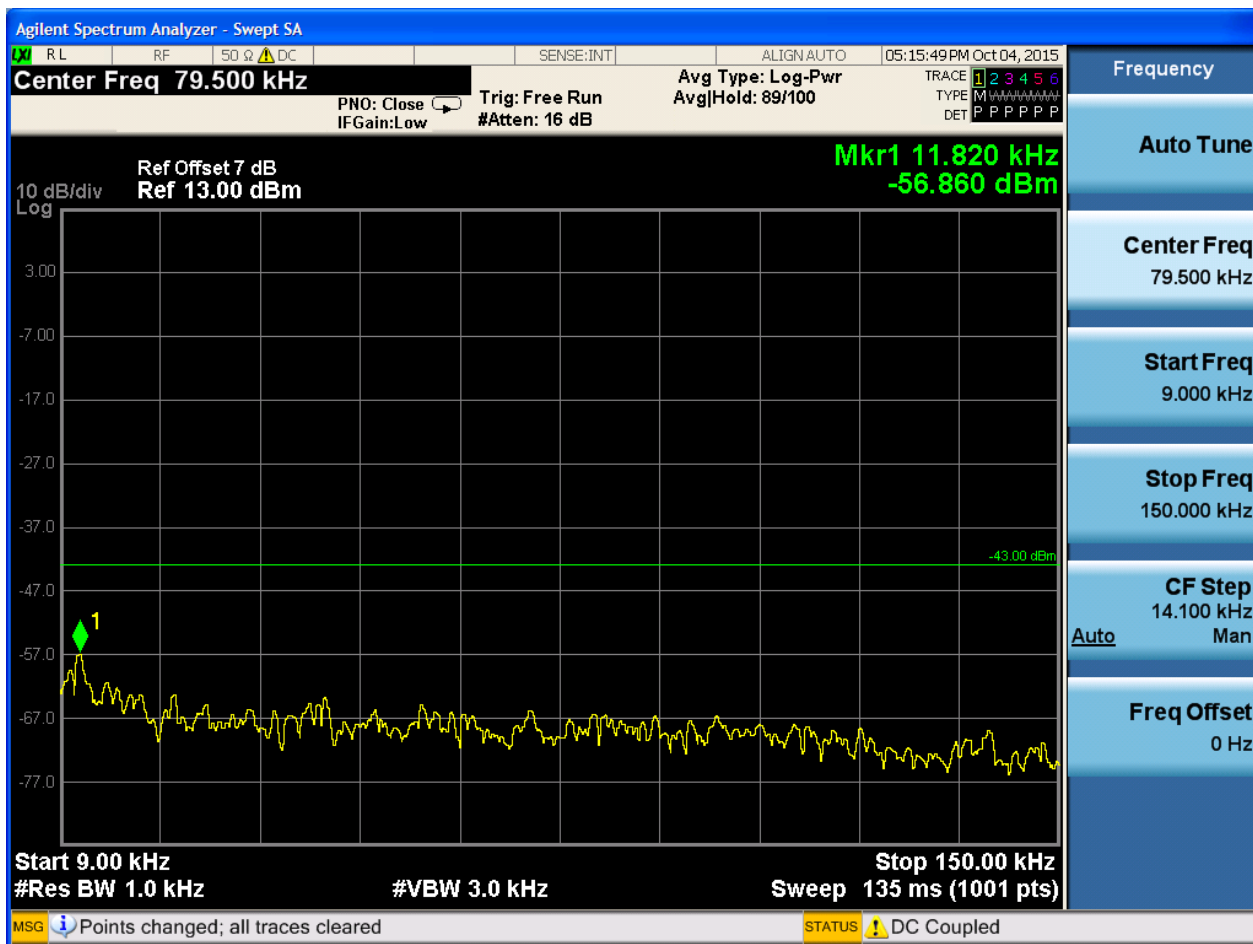


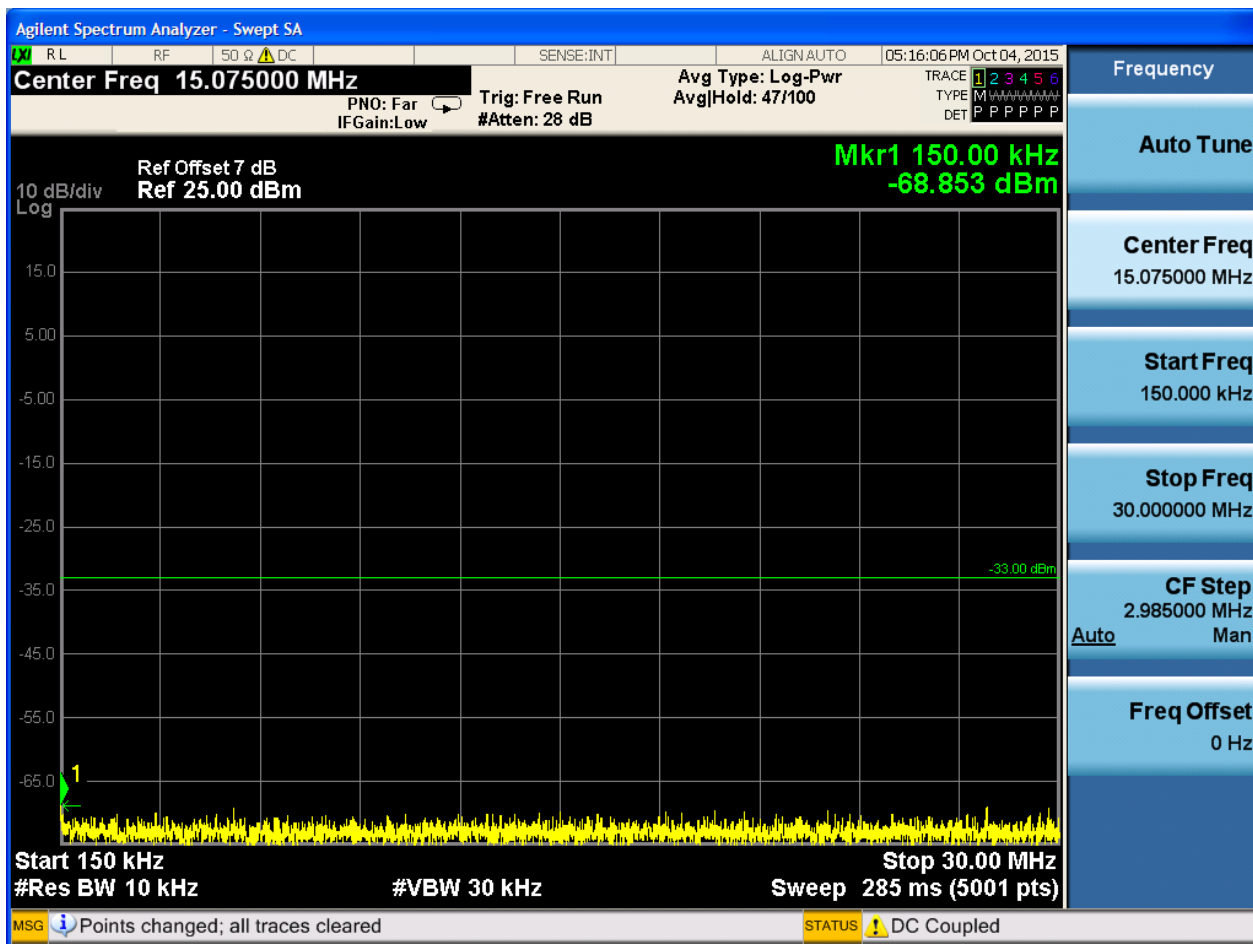


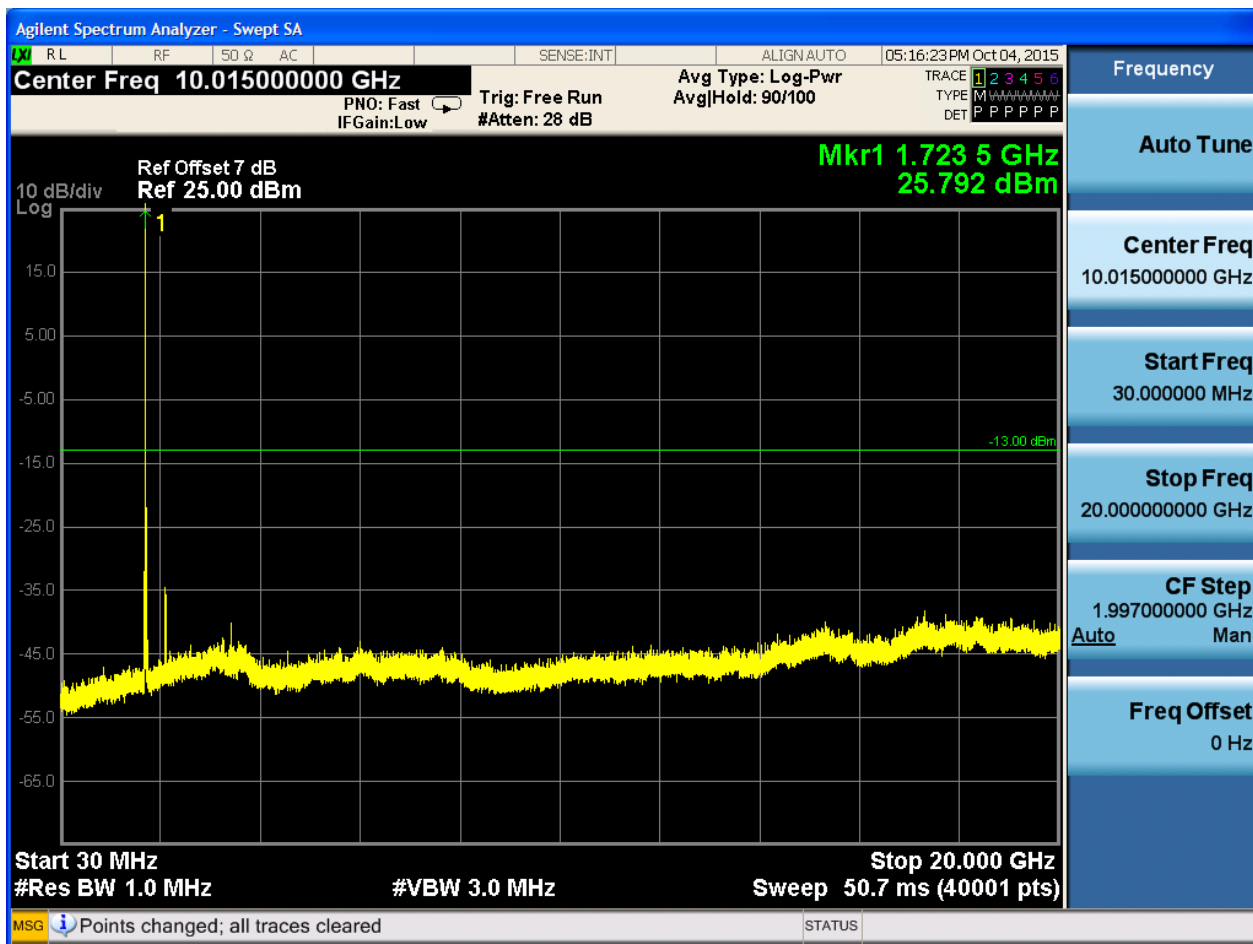


## 6.1.1.2.6.2 Test Channel = MCH

## 6.1.1.2.6.2.1 Test RB = RB1#0



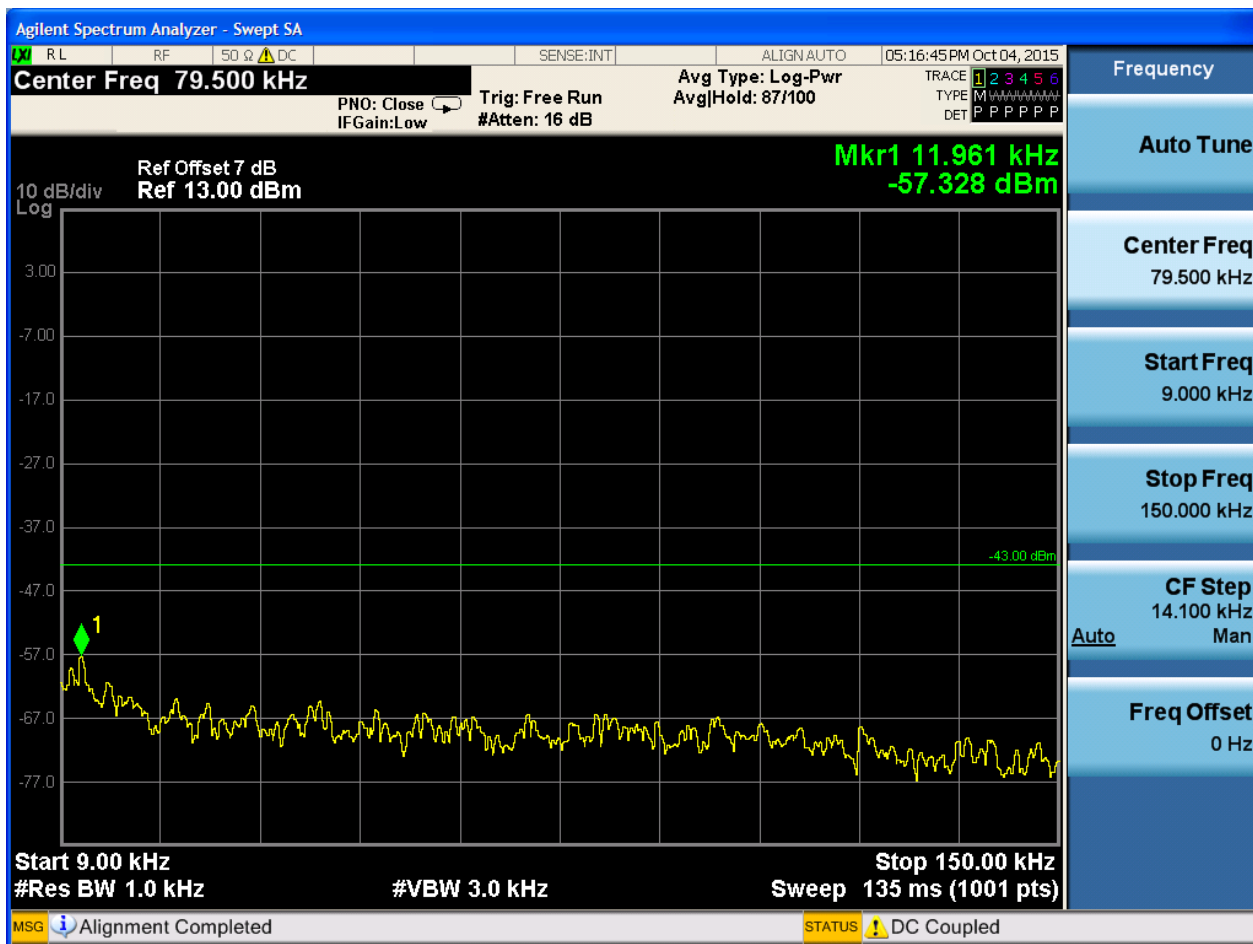


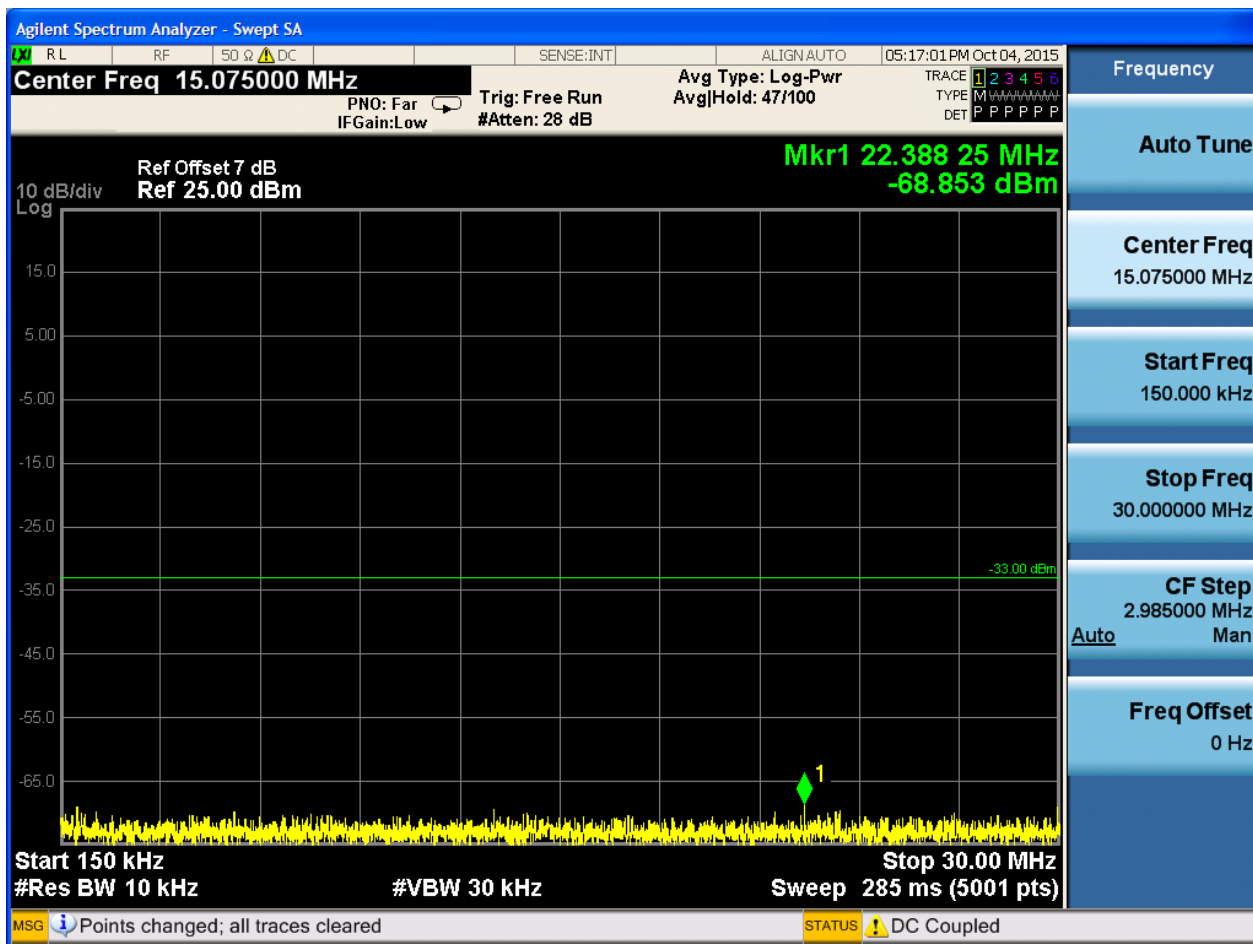


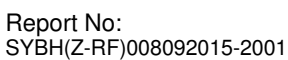


## 6.1.1.2.6.3 Test Channel = HCH

## 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

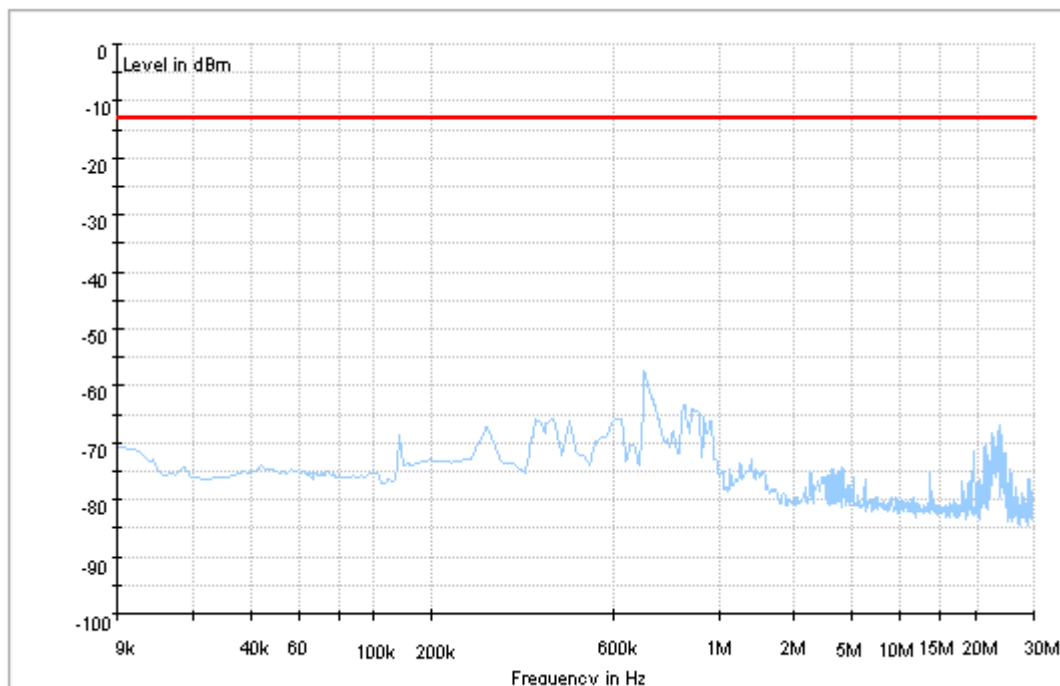
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

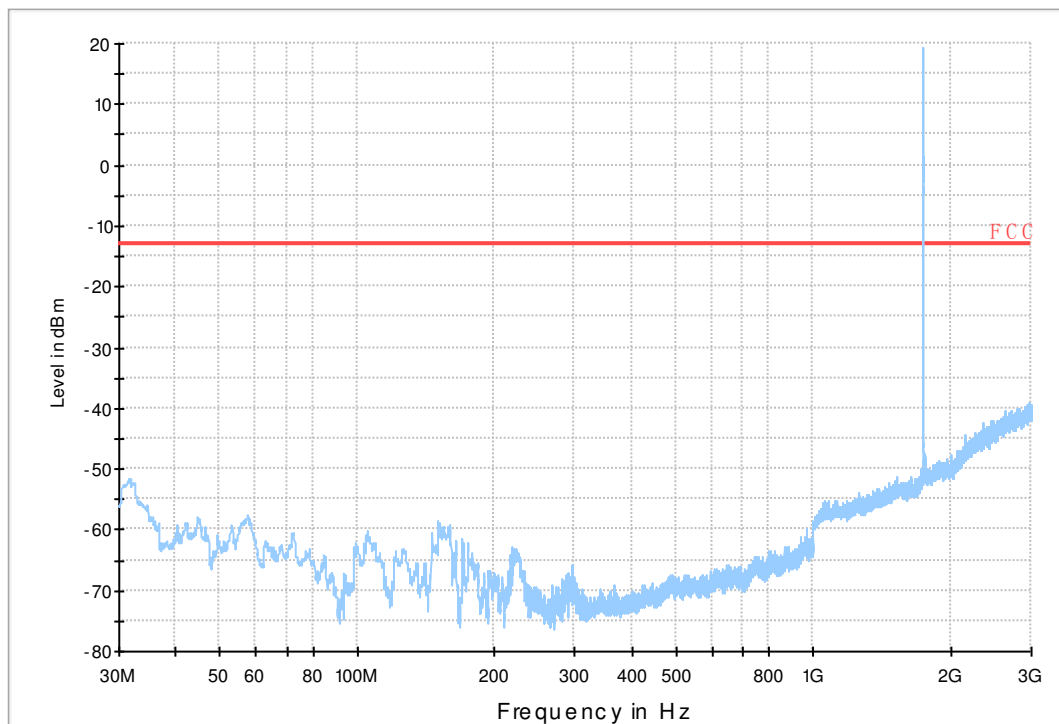
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND4

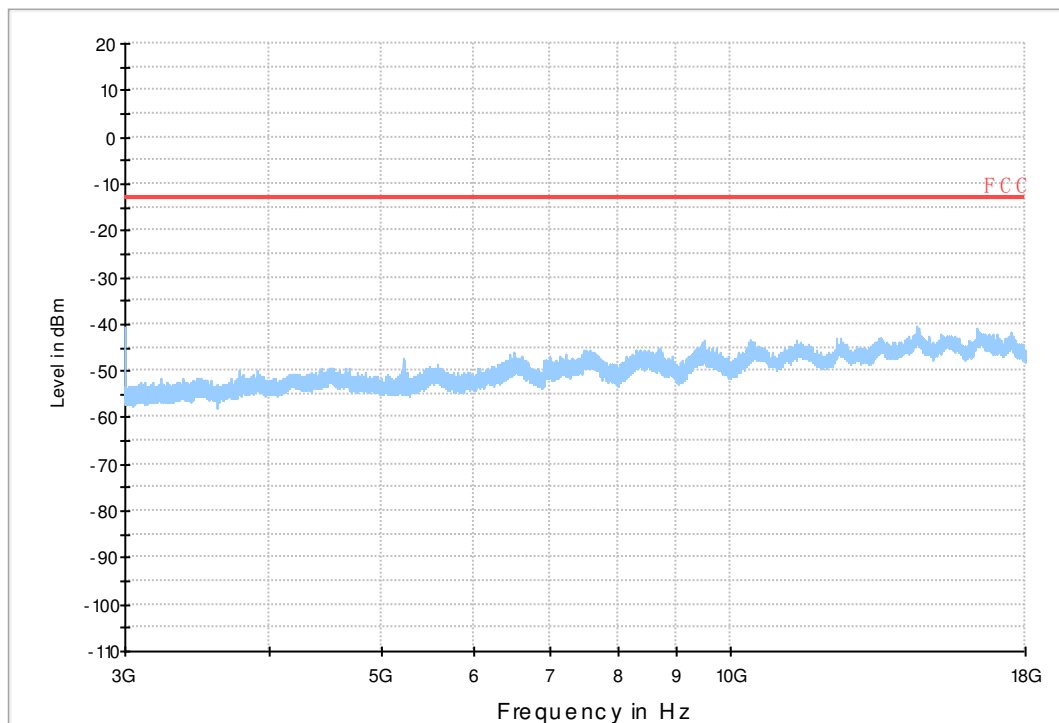
##### 7.1.1.1 Test Bandwidth = 1.4



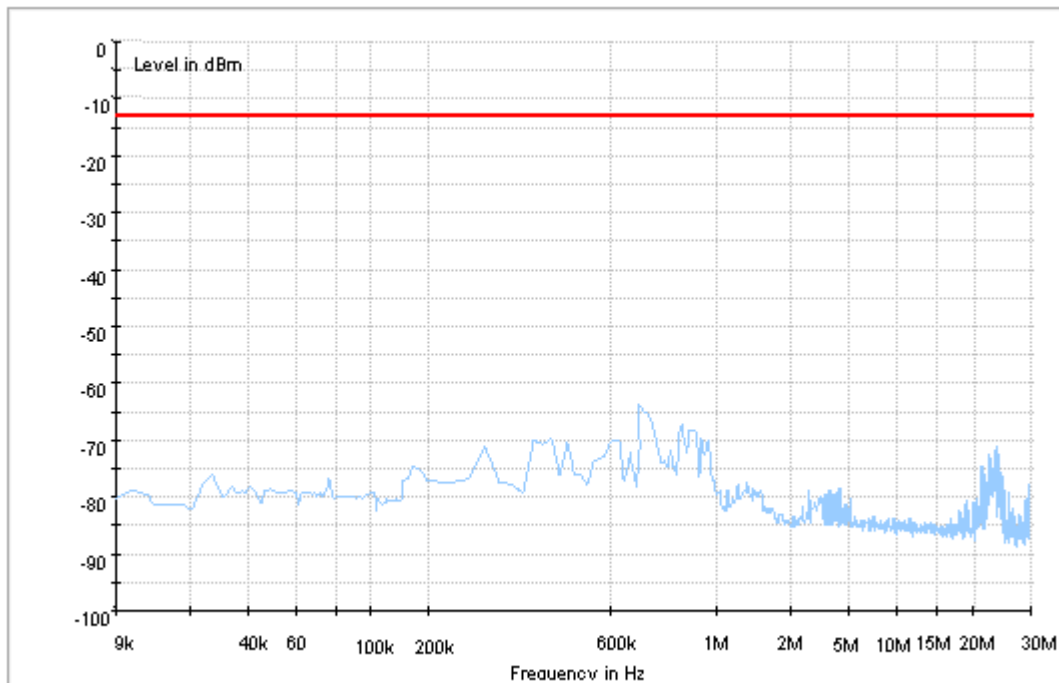
Copy of FCC PART27 LTE Band 4\_L



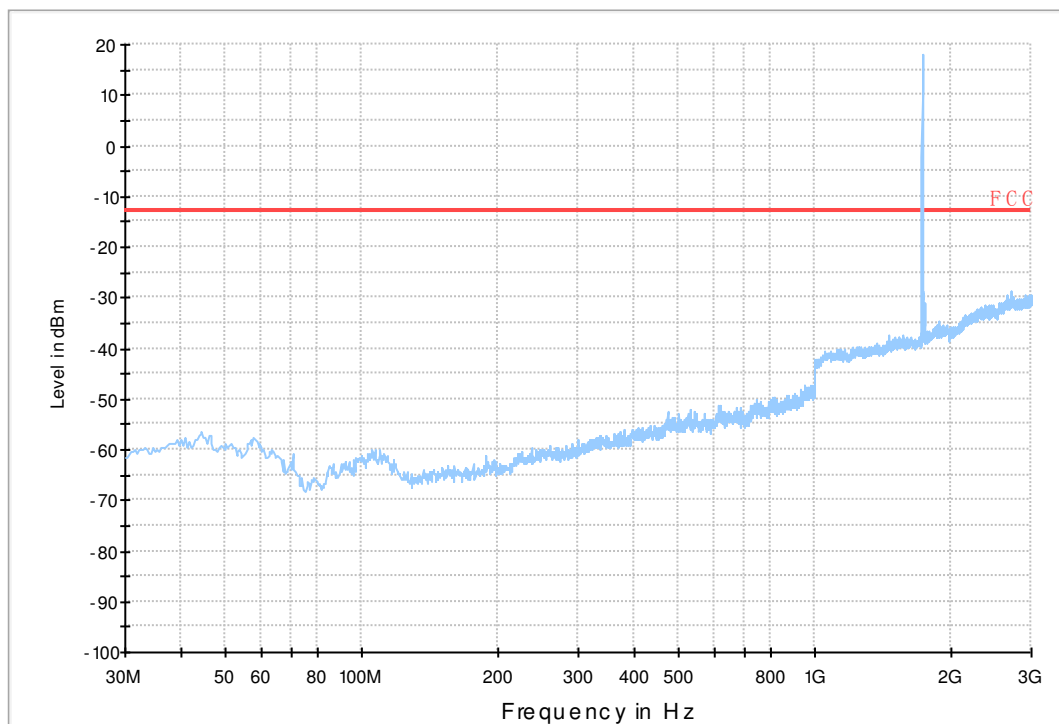
Copy of FCC PART27 LTE Band 4\_H



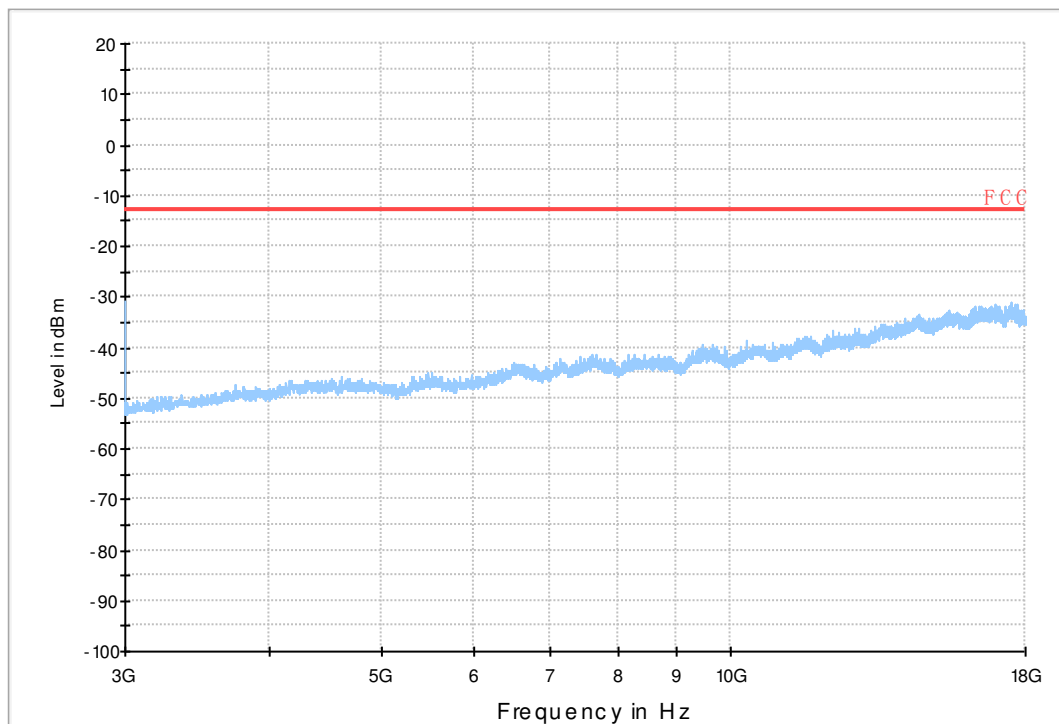
### 7.1.1.3 Test Bandwidth = 20



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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND4     | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | 1.03             | 0.0006                | PASS    |
|           |           |                      |              |            | VN         | 2.17             | 0.00127               | PASS    |
|           |           |                      |              |            | VH         | 3.73             | 0.00218               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.19             | 0.00011               | PASS    |
|           |           |                      |              |            | VN         | 1.27             | 0.00073               | PASS    |
|           |           |                      |              |            | VH         | 0.4              | 0.00023               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.34            | -0.00076              | PASS    |
|           |           |                      |              |            | VN         | -1.03            | -0.00059              | PASS    |
|           |           |                      |              |            | VH         | -0.53            | -0.0003               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -42.21           | -0.02466              | PASS    |
|           |           |                      |              |            | VN         | -15.36           | -0.00897              | PASS    |
|           |           |                      |              |            | VH         | 1.5              | 0.00088               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.9              | 0.00052               | PASS    |
|           |           |                      |              |            | VN         | 0.14             | 0.00008               | PASS    |
|           |           |                      |              |            | VH         | 0.29             | 0.00017               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.77            | -0.00044              | PASS    |
|           |           |                      |              |            | VN         | -3.73            | -0.00213              | PASS    |
|           |           |                      |              |            | VH         | 1.67             | 0.00095               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | 7.07             | 0.00413               | PASS    |
|           |           |                      |              |            | VN         | -11.07           | -0.00646              | PASS    |
|           |           |                      |              |            | VH         | -3.48            | -0.00203              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.17             | 0.0001                | PASS    |
|           |           |                      |              |            | VN         | 1.4              | 0.00081               | PASS    |
|           |           |                      |              |            | VH         | 0.56             | 0.00032               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -4.18            | -0.00239              | PASS    |
|           |           |                      |              |            | VN         | -1.99            | -0.00114              | PASS    |
|           |           |                      |              |            | VH         | -3.52            | -0.00201              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -10.89           | -0.00635              | PASS    |
|           |           |                      |              |            | VN         | -13.95           | -0.00813              | PASS    |
|           |           |                      |              |            | VH         | -12.09           | -0.00705              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -28.3            | -0.01633              | PASS    |
|           |           |                      |              |            | VN         | -18.58           | -0.01072              | PASS    |
|           |           |                      |              |            | VH         | -25.32           | -0.01461              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.24             | 0.00071               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | 2.3              | 0.00131               | PASS    |
|           |           |                      |              |            | VH         | 1.37             | 0.00078               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | 1.9              | 0.00111               | PASS    |
|           |           |                      |              |            | VN         | -0.1             | -0.00006              | PASS    |
|           |           |                      |              |            | VH         | 0.23             | 0.00013               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 1.82             | 0.00105               | PASS    |
|           |           |                      |              |            | VN         | -3.6             | -0.00208              | PASS    |
|           |           |                      |              |            | VH         | -4.46            | -0.00257              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.16             | 0.00009               | PASS    |
|           |           |                      |              |            | VN         | -1.09            | -0.00062              | PASS    |
|           |           |                      |              |            | VH         | 0.59             | 0.00034               | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | 4.22             | 0.00245               | PASS    |
|           |           |                      |              |            | VN         | 2.16             | 0.00126               | PASS    |
|           |           |                      |              |            | VH         | 4.82             | 0.0028                | PASS    |
|           |           |                      | MCH          | TN         | VL         | -15.32           | -0.00884              | PASS    |
|           |           |                      |              |            | VN         | -13.12           | -0.00757              | PASS    |
|           |           |                      |              |            | VH         | -13.05           | -0.00753              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0                | 0                     | PASS    |
|           |           |                      |              |            | VN         | -1.27            | -0.00073              | PASS    |
|           |           |                      |              |            | VH         | 1                | 0.00057               | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | TN         | VL         | 2.42             | 0.00141               | PASS    |
|           |           |                      |              |            | VN         | 2.22             | 0.0013                | PASS    |
|           |           |                      |              |            | VH         | 2.15             | 0.00126               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.8              | 0.00046               | PASS    |
|           |           |                      |              |            | VN         | 1.34             | 0.00077               | PASS    |
|           |           |                      |              |            | VH         | 1.13             | 0.00065               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.36            | -0.00135              | PASS    |
|           |           |                      |              |            | VN         | -2.98            | -0.0017               | PASS    |
|           |           |                      |              |            | VH         | -3.3             | -0.00188              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -44.35           | -0.02591              | PASS    |
|           |           |                      |              |            | VN         | -1.83            | -0.00107              | PASS    |
|           |           |                      |              |            | VH         | -35.51           | -0.02075              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.44             | 0.00025               | PASS    |
|           |           |                      |              |            | VN         | 0.8              | 0.00046               | PASS    |
|           |           |                      |              |            | VH         | -0.06            | -0.00003              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.9             | -0.00165              | PASS    |
|           |           |                      |              |            | VN         | -4.96            | -0.00283              | PASS    |
|           |           |                      |              |            | VH         | -3.13            | -0.00179              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -2.37            | -0.00138              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -0.44            | -0.00026              | PASS    |
|           |           |                      |              |            | VH         | -3               | -0.00175              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.6              | 0.00035               | PASS    |
|           |           |                      |              |            | VN         | 0.31             | 0.00018               | PASS    |
|           |           |                      |              |            | VH         | -0.7             | -0.0004               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 2.79             | 0.00159               | PASS    |
|           |           |                      |              |            | VN         | -7.45            | -0.00425              | PASS    |
|           |           |                      |              |            | VH         | -0.97            | -0.00055              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -11.24           | -0.00655              | PASS    |
|           |           |                      |              |            | VN         | -12.62           | -0.00736              | PASS    |
|           |           |                      |              |            | VH         | -22.07           | -0.01287              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -20.87           | -0.01205              | PASS    |
|           |           |                      |              |            | VN         | -21.73           | -0.01254              | PASS    |
|           |           |                      |              |            | VH         | -26.56           | -0.01533              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.62             | 0.00093               | PASS    |
|           |           |                      |              |            | VN         | -0.13            | -0.00007              | PASS    |
|           |           |                      |              |            | VH         | 5.32             | 0.00304               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | 1.33             | 0.00077               | PASS    |
|           |           |                      |              |            | VN         | -0.29            | -0.00017              | PASS    |
|           |           |                      |              |            | VH         | 1.14             | 0.00066               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.2             | -0.00069              | PASS    |
|           |           |                      |              |            | VN         | -1.65            | -0.00095              | PASS    |
|           |           |                      |              |            | VH         | -3.1             | -0.00179              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 6.97             | 0.00399               | PASS    |
|           |           |                      |              |            | VN         | 5.51             | 0.00315               | PASS    |
|           |           |                      |              |            | VH         | 7                | 0.00401               | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | 6.85             | 0.00398               | PASS    |
|           |           |                      |              |            | VN         | 6.47             | 0.00376               | PASS    |
|           |           |                      |              |            | VH         | 4.92             | 0.00286               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -14.42           | -0.00832              | PASS    |
|           |           |                      |              |            | VN         | -16.26           | -0.00939              | PASS    |
|           |           |                      |              |            | VH         | -12.09           | -0.00698              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.56            | -0.00032              | PASS    |
|           |           |                      |              |            | VN         | 1.32             | 0.00076               | PASS    |
|           |           |                      |              |            | VH         | -3.72            | -0.00213              | 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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND4     | LTE/TM1   | 1.4                  | LCH          | VN         | -30        | 1.65             | 0.00096               | PASS    |
|           |           |                      |              |            | -20        | 2.15             | 0.00126               | PASS    |
|           |           |                      |              |            | -10        | 1.79             | 0.00105               | PASS    |
|           |           |                      |              |            | 0          | 2.66             | 0.00155               | PASS    |
|           |           |                      |              |            | 10         | 1.17             | 0.00068               | PASS    |
|           |           |                      |              |            | 20         | 1.85             | 0.00108               | PASS    |
|           |           |                      |              |            | 30         | 1.53             | 0.00089               | PASS    |
|           |           |                      |              |            | 40         | 2.29             | 0.00134               | PASS    |
|           |           |                      |              |            | 50         | 1.62             | 0.00095               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 0.3              | 0.00017               | PASS    |
|           |           |                      |              |            | -20        | 0.7              | 0.0004                | PASS    |
|           |           |                      |              |            | -10        | 0.94             | 0.00054               | PASS    |
|           |           |                      |              |            | 0          | 0.73             | 0.00042               | PASS    |
|           |           |                      |              |            | 10         | 0.96             | 0.00055               | PASS    |
|           |           |                      |              |            | 20         | -0.66            | -0.00038              | PASS    |
|           |           |                      |              |            | 30         | 0.24             | 0.00014               | PASS    |
|           |           |                      |              |            | 40         | 0.82             | 0.00047               | PASS    |
|           |           |                      |              |            | 50         | 0.87             | 0.0005                | PASS    |
|           |           |                      | HCH          | VN         | -30        | -2.66            | -0.00152              | PASS    |
|           |           |                      |              |            | -20        | -2.45            | -0.0014               | PASS    |
|           |           |                      |              |            | -10        | -2.49            | -0.00142              | PASS    |
|           |           |                      |              |            | 0          | -2.66            | -0.00152              | PASS    |
|           |           |                      |              |            | 10         | -2.9             | -0.00165              | PASS    |
|           |           |                      |              |            | 20         | -2.53            | -0.00144              | PASS    |
|           |           |                      |              |            | 30         | -3.25            | -0.00185              | PASS    |
|           |           |                      |              |            | 40         | -3.05            | -0.00174              | PASS    |
|           |           |                      |              |            | 50         | -2.42            | -0.00138              | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | -12.73           | -0.00744              | PASS    |
|           |           |                      |              |            | -20        | -18.08           | -0.01056              | PASS    |
|           |           |                      |              |            | -10        | -19.88           | -0.01162              | PASS    |
|           |           |                      |              |            | 0          | -12.62           | -0.00737              | PASS    |
|           |           |                      |              |            | 10         | -17.31           | -0.01011              | PASS    |
|           |           |                      |              |            | 20         | -10.04           | -0.00587              | PASS    |
|           |           |                      |              |            | 30         | -17.97           | -0.0105               | PASS    |
|           |           |                      |              |            | 40         | 0.11             | 0.00006               | PASS    |
|           |           |                      |              |            | 50         | -10.13           | -0.00592              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.09             | 0.00063               | PASS    |
|           |           |                      |              |            | -20        | 1.14             | 0.00066               | PASS    |
|           |           |                      |              |            | -10        | 0.19             | 0.00011               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0          | 1.4              | 0.00081               | PASS    |
|           |           |                      |              |            | 10         | 1.86             | 0.00107               | PASS    |
|           |           |                      |              |            | 20         | 0.17             | 0.0001                | PASS    |
|           |           |                      |              |            | 30         | 0.87             | 0.0005                | PASS    |
|           |           |                      |              |            | 40         | 1                | 0.00058               | PASS    |
|           |           |                      |              |            | 50         | 0.97             | 0.00056               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.27            | -0.00015              | PASS    |
|           |           |                      |              |            | -20        | 5.92             | 0.00338               | PASS    |
|           |           |                      |              |            | -10        | 3.5              | 0.002                 | PASS    |
|           |           |                      |              |            | 0          | -1.53            | -0.00087              | PASS    |
|           |           |                      |              |            | 10         | 1.63             | 0.00093               | PASS    |
|           |           |                      |              |            | 20         | 1.54             | 0.00088               | PASS    |
|           |           |                      |              |            | 30         | 0.8              | 0.00046               | PASS    |
|           |           |                      |              |            | 40         | -3.95            | -0.00225              | PASS    |
|           |           |                      |              |            | 50         | 4.81             | 0.00274               | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | 2.8              | 0.00164               | PASS    |
|           |           |                      |              |            | -20        | -6.58            | -0.00384              | PASS    |
|           |           |                      |              |            | -10        | -0.89            | -0.00052              | PASS    |
|           |           |                      |              |            | 0          | 0.14             | 0.00008               | PASS    |
|           |           |                      |              |            | 10         | 3.69             | 0.00215               | PASS    |
|           |           |                      |              |            | 20         | 2.09             | 0.00122               | PASS    |
|           |           |                      |              |            | 30         | 0.76             | 0.00044               | PASS    |
|           |           |                      |              |            | 40         | 2.82             | 0.00165               | PASS    |
|           |           |                      |              |            | 50         | 6.58             | 0.00384               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.6              | 0.00092               | PASS    |
|           |           |                      |              |            | -20        | 1.67             | 0.00096               | PASS    |
|           |           |                      |              |            | -10        | 0.33             | 0.00019               | PASS    |
|           |           |                      |              |            | 0          | 0.26             | 0.00015               | PASS    |
|           |           |                      |              |            | 10         | -0.07            | -0.00004              | PASS    |
|           |           |                      |              |            | 20         | 0.94             | 0.00054               | PASS    |
|           |           |                      |              |            | 30         | 1.33             | 0.00077               | PASS    |
|           |           |                      |              |            | 40         | 1.62             | 0.00094               | PASS    |
|           |           |                      |              |            | 50         | 1.29             | 0.00074               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -9.4             | -0.00536              | PASS    |
|           |           |                      |              |            | -20        | -8.44            | -0.00482              | PASS    |
|           |           |                      |              |            | -10        | -7.77            | -0.00443              | PASS    |
|           |           |                      |              |            | 0          | -3.98            | -0.00227              | PASS    |
|           |           |                      |              |            | 10         | -6.92            | -0.00395              | PASS    |
|           |           |                      |              |            | 20         | -7.4             | -0.00422              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 30         | -8.21            | -0.00468              | PASS    |
|           |           |                      |              |            | 40         | -7.18            | -0.0041               | PASS    |
|           |           |                      |              |            | 50         | -9.31            | -0.00531              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -9.66            | -0.00563              | PASS    |
|           |           |                      |              |            | -20        | -9.87            | -0.00576              | PASS    |
|           |           |                      |              |            | -10        | -12.42           | -0.00724              | PASS    |
|           |           |                      |              |            | 0          | -13.12           | -0.00765              | PASS    |
|           |           |                      |              |            | 10         | -10.51           | -0.00613              | PASS    |
|           |           |                      |              |            | 20         | -15.56           | -0.00907              | PASS    |
|           |           |                      |              |            | 30         | -10.26           | -0.00598              | PASS    |
|           |           |                      |              |            | 40         | -15.02           | -0.00876              | PASS    |
|           |           |                      |              |            | 50         | -15.08           | -0.00879              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -25.78           | -0.01488              | PASS    |
|           |           |                      |              |            | -20        | -22.87           | -0.0132               | PASS    |
|           |           |                      |              |            | -10        | -24.43           | -0.0141               | PASS    |
|           |           |                      |              |            | 0          | -26.26           | -0.01516              | PASS    |
|           |           |                      |              |            | 10         | -23.53           | -0.01358              | PASS    |
|           |           |                      |              |            | 20         | -22.02           | -0.01271              | PASS    |
|           |           |                      |              |            | 30         | -24.58           | -0.01419              | PASS    |
|           |           |                      |              |            | 40         | -22.52           | -0.013                | PASS    |
|           |           |                      |              |            | 50         | -22.93           | -0.01324              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 1.89             | 0.00108               | PASS    |
|           |           |                      |              |            | -20        | 2.69             | 0.00154               | PASS    |
|           |           |                      |              |            | -10        | 1.92             | 0.0011                | PASS    |
|           |           |                      |              |            | 0          | 4.71             | 0.00269               | PASS    |
|           |           |                      |              |            | 10         | 3.45             | 0.00197               | PASS    |
|           |           |                      |              |            | 20         | 4.01             | 0.00229               | PASS    |
|           |           |                      |              |            | 30         | 0.86             | 0.00049               | PASS    |
|           |           |                      |              |            | 40         | 1.83             | 0.00105               | PASS    |
|           |           |                      |              |            | 50         | 4.19             | 0.00239               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | 0.89             | 0.00052               | PASS    |
|           |           |                      |              |            | -20        | 3.05             | 0.00178               | PASS    |
|           |           |                      |              |            | -10        | 3.05             | 0.00178               | PASS    |
|           |           |                      |              |            | 0          | 2.43             | 0.00141               | PASS    |
|           |           |                      |              |            | 10         | 3.23             | 0.00188               | PASS    |
|           |           |                      |              |            | 20         | 0.77             | 0.00045               | PASS    |
|           |           |                      |              |            | 30         | 3                | 0.00175               | PASS    |
|           |           |                      |              |            | 40         | -0.46            | -0.00027              | PASS    |
|           |           |                      |              |            | 50         | 3.52             | 0.00205               | 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        | -3.72            | -0.00215              | PASS    |
|           |           |                      |              |            | -20        | -4.36            | -0.00252              | PASS    |
|           |           |                      |              |            | -10        | -6.97            | -0.00402              | PASS    |
|           |           |                      |              |            | 0          | -5.95            | -0.00343              | PASS    |
|           |           |                      |              |            | 10         | -7.02            | -0.00405              | PASS    |
|           |           |                      |              |            | 20         | -9.26            | -0.00534              | PASS    |
|           |           |                      |              |            | 30         | -10.23           | -0.0059               | PASS    |
|           |           |                      |              |            | 40         | -8.83            | -0.0051               | PASS    |
|           |           |                      |              |            | 50         | -10.19           | -0.00588              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 3.23             | 0.00185               | PASS    |
|           |           |                      |              |            | -20        | 3.91             | 0.00224               | PASS    |
|           |           |                      |              |            | -10        | 2.8              | 0.0016                | PASS    |
|           |           |                      |              |            | 0          | 3.38             | 0.00193               | PASS    |
|           |           |                      |              |            | 10         | 6.88             | 0.00394               | PASS    |
|           |           |                      |              |            | 20         | -0.13            | -0.00007              | PASS    |
|           |           |                      |              |            | 30         | 1.69             | 0.00097               | PASS    |
|           |           |                      |              |            | 40         | 0.24             | 0.00014               | PASS    |
|           |           |                      |              |            | 50         | 4.09             | 0.00234               | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | 9.81             | 0.0057                | PASS    |
|           |           |                      |              |            | -20        | 8.08             | 0.0047                | PASS    |
|           |           |                      |              |            | -10        | 11.6             | 0.00674               | PASS    |
|           |           |                      |              |            | 0          | 10.56            | 0.00614               | PASS    |
|           |           |                      |              |            | 10         | 9.4              | 0.00547               | PASS    |
|           |           |                      |              |            | 20         | 8.71             | 0.00506               | PASS    |
|           |           |                      |              |            | 30         | 8.85             | 0.00515               | PASS    |
|           |           |                      |              |            | 40         | 7.7              | 0.00448               | PASS    |
|           |           |                      |              |            | 50         | 8.34             | 0.00485               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -11.17           | -0.00645              | PASS    |
|           |           |                      |              |            | -20        | -10.76           | -0.00621              | PASS    |
|           |           |                      |              |            | -10        | -10.81           | -0.00624              | PASS    |
|           |           |                      |              |            | 0          | -11.34           | -0.00655              | PASS    |
|           |           |                      |              |            | 10         | -10.19           | -0.00588              | PASS    |
|           |           |                      |              |            | 20         | -10.96           | -0.00633              | PASS    |
|           |           |                      |              |            | 30         | -10.74           | -0.0062               | PASS    |
|           |           |                      |              |            | 40         | -10.17           | -0.00587              | PASS    |
|           |           |                      |              |            | 50         | -11.36           | -0.00656              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.03            | -0.00002              | PASS    |
|           |           |                      |              |            | -20        | -0.33            | -0.00019              | PASS    |
|           |           |                      |              |            | -10        | -0.8             | -0.00046              | 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          | -1.63            | -0.00093              | PASS    |
|           |           |                      |              |            | 10         | 0.92             | 0.00053               | PASS    |
|           |           |                      |              |            | 20         | 0                | 0                     | PASS    |
|           |           |                      |              |            | 30         | -0.63            | -0.00036              | PASS    |
|           |           |                      |              |            | 40         | -3.28            | -0.00188              | PASS    |
|           |           |                      |              |            | 50         | -3.46            | -0.00198              | PASS    |
|           |           |                      | LCH          | VN         | -30        | 2.33             | 0.00136               | PASS    |
|           |           |                      |              |            | -20        | 1.7              | 0.00099               | PASS    |
|           |           |                      |              |            | -10        | 1.83             | 0.00107               | PASS    |
|           |           |                      |              |            | 0          | 1.27             | 0.00074               | PASS    |
|           |           |                      |              |            | 10         | 1.33             | 0.00078               | PASS    |
|           |           |                      |              |            | 20         | 1.87             | 0.00109               | PASS    |
|           |           |                      |              |            | 30         | 2.53             | 0.00148               | PASS    |
|           |           |                      |              |            | 40         | 2.2              | 0.00129               | PASS    |
|           |           |                      |              |            | 50         | 2.05             | 0.0012                | PASS    |
|           |           |                      | MCH          | VN         | -30        | 0.93             | 0.00054               | PASS    |
|           |           |                      |              |            | -20        | 1.22             | 0.0007                | PASS    |
|           |           |                      |              |            | -10        | -0.03            | -0.00002              | PASS    |
|           |           |                      |              |            | 0          | 0.19             | 0.00011               | PASS    |
|           |           |                      |              |            | 10         | 0.92             | 0.00053               | PASS    |
|           |           |                      |              |            | 20         | 1.42             | 0.00082               | PASS    |
|           |           |                      |              |            | 30         | 1.34             | 0.00077               | PASS    |
|           |           |                      |              |            | 40         | 0.62             | 0.00036               | PASS    |
|           |           |                      |              |            | 50         | -0.19            | -0.00011              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -2.66            | -0.00152              | PASS    |
|           |           |                      |              |            | -20        | -3.22            | -0.00184              | PASS    |
|           |           |                      |              |            | -10        | -2.03            | -0.00116              | PASS    |
|           |           |                      |              |            | 0          | -3.19            | -0.00182              | PASS    |
|           |           |                      |              |            | 10         | -2.25            | -0.00128              | PASS    |
|           |           |                      |              |            | 20         | -2.79            | -0.00159              | PASS    |
|           |           |                      |              |            | 30         | -2.16            | -0.00123              | PASS    |
|           |           |                      |              |            | 40         | -2.88            | -0.00164              | PASS    |
|           |           |                      |              |            | 50         | -2.93            | -0.00167              | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | 4.21             | 0.00246               | PASS    |
|           |           |                      |              |            | -20        | 1.69             | 0.00099               | PASS    |
|           |           |                      |              |            | -10        | -5.49            | -0.00321              | PASS    |
|           |           |                      |              |            | 0          | 3.91             | 0.00228               | PASS    |
|           |           |                      |              |            | 10         | -2.16            | -0.00126              | PASS    |
|           |           |                      |              |            | 20         | -1.52            | -0.00089              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 30         | -4.88            | -0.00285              | PASS    |
|           |           |                      |              |            | 40         | -6.65            | -0.00389              | PASS    |
|           |           |                      |              |            | 50         | 1.09             | 0.00064               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -46.43           | -0.0268               | PASS    |
|           |           |                      |              |            | -20        | 2.19             | 0.00126               | PASS    |
|           |           |                      |              |            | -10        | 0.19             | 0.00011               | PASS    |
|           |           |                      |              |            | 0          | -0.11            | -0.00006              | PASS    |
|           |           |                      |              |            | 10         | 0.49             | 0.00028               | PASS    |
|           |           |                      |              |            | 20         | 1.1              | 0.00063               | PASS    |
|           |           |                      |              |            | 30         | 1.09             | 0.00063               | PASS    |
|           |           |                      |              |            | 40         | 1.02             | 0.00059               | PASS    |
|           |           |                      |              |            | 50         | -0.03            | -0.00002              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -3.5             | -0.002                | PASS    |
|           |           |                      |              |            | -20        | 5.74             | 0.00327               | PASS    |
|           |           |                      |              |            | -10        | 7.05             | 0.00402               | PASS    |
|           |           |                      |              |            | 0          | 6.25             | 0.00356               | PASS    |
|           |           |                      |              |            | 10         | 1.04             | 0.00059               | PASS    |
|           |           |                      |              |            | 20         | 6.87             | 0.00392               | PASS    |
|           |           |                      |              |            | 30         | 4.95             | 0.00282               | PASS    |
|           |           |                      |              |            | 40         | 5.72             | 0.00326               | PASS    |
|           |           |                      |              |            | 50         | 0.06             | 0.00003               | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -9.87            | -0.00576              | PASS    |
|           |           |                      |              |            | -20        | -5.14            | -0.003                | PASS    |
|           |           |                      |              |            | -10        | -4.79            | -0.0028               | PASS    |
|           |           |                      |              |            | 0          | -12.95           | -0.00756              | PASS    |
|           |           |                      |              |            | 10         | -1.73            | -0.00101              | PASS    |
|           |           |                      |              |            | 20         | 1.04             | 0.00061               | PASS    |
|           |           |                      |              |            | 30         | 3.73             | 0.00218               | PASS    |
|           |           |                      |              |            | 40         | -2.06            | -0.0012               | PASS    |
|           |           |                      |              |            | 50         | 4.11             | 0.0024                | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1                | 0.00058               | PASS    |
|           |           |                      |              |            | -20        | -0.62            | -0.00036              | PASS    |
|           |           |                      |              |            | -10        | -0.4             | -0.00023              | PASS    |
|           |           |                      |              |            | 0          | -0.46            | -0.00027              | PASS    |
|           |           |                      |              |            | 10         | 0.6              | 0.00035               | PASS    |
|           |           |                      |              |            | 20         | -1.1             | -0.00063              | PASS    |
|           |           |                      |              |            | 30         | 1.3              | 0.00075               | PASS    |
|           |           |                      |              |            | 40         | -0.24            | -0.00014              | PASS    |
|           |           |                      |              |            | 50         | -0.4             | -0.00023              | 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        | -9.14            | -0.00522              | PASS    |
|           |           |                      |              |            | -20        | -5.19            | -0.00296              | PASS    |
|           |           |                      |              |            | -10        | -6.75            | -0.00385              | PASS    |
|           |           |                      |              |            | 0          | -7.18            | -0.0041               | PASS    |
|           |           |                      |              |            | 10         | -1.02            | -0.00058              | PASS    |
|           |           |                      |              |            | 20         | -6.78            | -0.00387              | PASS    |
|           |           |                      |              |            | 30         | -1.76            | -0.001                | PASS    |
|           |           |                      |              |            | 40         | -3.19            | -0.00182              | PASS    |
|           |           |                      |              |            | 50         | -6.44            | -0.00367              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -4.65            | -0.00271              | PASS    |
|           |           |                      |              |            | -20        | -7.18            | -0.00419              | PASS    |
|           |           |                      |              |            | -10        | -6.17            | -0.0036               | PASS    |
|           |           |                      |              |            | 0          | -10.96           | -0.00639              | PASS    |
|           |           |                      |              |            | 10         | -8.61            | -0.00502              | PASS    |
|           |           |                      |              |            | 20         | -8.77            | -0.00511              | PASS    |
|           |           |                      |              |            | 30         | -8.93            | -0.00521              | PASS    |
|           |           |                      |              |            | 40         | -8.37            | -0.00488              | PASS    |
|           |           |                      |              |            | 50         | -7.42            | -0.00433              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -16.82           | -0.00971              | PASS    |
|           |           |                      |              |            | -20        | -9.1             | -0.00525              | PASS    |
|           |           |                      |              |            | -10        | -12.87           | -0.00743              | PASS    |
|           |           |                      |              |            | 0          | -12.55           | -0.00724              | PASS    |
|           |           |                      |              |            | 10         | -12.56           | -0.00725              | PASS    |
|           |           |                      |              |            | 20         | -15.05           | -0.00869              | PASS    |
|           |           |                      |              |            | 30         | -16.59           | -0.00958              | PASS    |
|           |           |                      |              |            | 40         | -12.42           | -0.00717              | PASS    |
|           |           |                      |              |            | 50         | -16.97           | -0.0098               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 3.76             | 0.00215               | PASS    |
|           |           |                      |              |            | -20        | 0.64             | 0.00037               | PASS    |
|           |           |                      |              |            | -10        | 0.93             | 0.00053               | PASS    |
|           |           |                      |              |            | 0          | 3.85             | 0.0022                | PASS    |
|           |           |                      |              |            | 10         | 2.5              | 0.00143               | PASS    |
|           |           |                      |              |            | 20         | 3.91             | 0.00223               | PASS    |
|           |           |                      |              |            | 30         | 6.98             | 0.00399               | PASS    |
|           |           |                      |              |            | 40         | 7.05             | 0.00403               | PASS    |
|           |           |                      |              |            | 50         | 2.5              | 0.00143               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | 4.21             | 0.00245               | PASS    |
|           |           |                      |              |            | -20        | 2.1              | 0.00122               | PASS    |
|           |           |                      |              |            | -10        | 2.05             | 0.00119               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0          | 1                | 0.00058               | PASS    |
|           |           |                      |              |            | 10         | 1                | 0.00058               | PASS    |
|           |           |                      |              |            | 20         | 0.67             | 0.00039               | PASS    |
|           |           |                      |              |            | 30         | 1.37             | 0.0008                | PASS    |
|           |           |                      |              |            | 40         | 2.29             | 0.00133               | PASS    |
|           |           |                      |              |            | 50         | 2.62             | 0.00153               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -3.46            | -0.002                | PASS    |
|           |           |                      |              |            | -20        | -6.29            | -0.00363              | PASS    |
|           |           |                      |              |            | -10        | -5.39            | -0.00311              | PASS    |
|           |           |                      |              |            | 0          | -4.23            | -0.00244              | PASS    |
|           |           |                      |              |            | 10         | -9.4             | -0.00543              | PASS    |
|           |           |                      |              |            | 20         | -9.04            | -0.00522              | PASS    |
|           |           |                      |              |            | 30         | -10.59           | -0.00611              | PASS    |
|           |           |                      |              |            | 40         | -12.13           | -0.007                | PASS    |
|           |           |                      |              |            | 50         | -12.76           | -0.00737              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.99            | -0.00114              | PASS    |
|           |           |                      |              |            | -20        | 2.72             | 0.00156               | PASS    |
|           |           |                      |              |            | -10        | 0.84             | 0.00048               | PASS    |
|           |           |                      |              |            | 0          | 1.79             | 0.00102               | PASS    |
|           |           |                      |              |            | 10         | 4.49             | 0.00257               | PASS    |
|           |           |                      |              |            | 20         | 1.62             | 0.00093               | PASS    |
|           |           |                      |              |            | 30         | -1.65            | -0.00094              | PASS    |
|           |           |                      |              |            | 40         | 1.85             | 0.00106               | PASS    |
|           |           |                      |              |            | 50         | 1.06             | 0.00061               | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | 7.47             | 0.00434               | PASS    |
|           |           |                      |              |            | -20        | 7.98             | 0.00464               | PASS    |
|           |           |                      |              |            | -10        | 6.69             | 0.00389               | PASS    |
|           |           |                      |              |            | 0          | 8.75             | 0.00509               | PASS    |
|           |           |                      |              |            | 10         | 5.31             | 0.00309               | PASS    |
|           |           |                      |              |            | 20         | 9.66             | 0.00562               | PASS    |
|           |           |                      |              |            | 30         | 8.38             | 0.00487               | PASS    |
|           |           |                      |              |            | 40         | 8.23             | 0.00478               | PASS    |
|           |           |                      |              |            | 50         | 8.96             | 0.00521               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -12.66           | -0.00731              | PASS    |
|           |           |                      |              |            | -20        | -12.85           | -0.00742              | PASS    |
|           |           |                      |              |            | -10        | -11.32           | -0.00653              | PASS    |
|           |           |                      |              |            | 0          | -13.8            | -0.00797              | PASS    |
|           |           |                      |              |            | 10         | -12.52           | -0.00723              | PASS    |
|           |           |                      |              |            | 20         | -15.92           | -0.00919              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 30         | -12.49           | -0.00721              | PASS    |
|           |           |                      |              |            | 40         | -14.28           | -0.00824              | PASS    |
|           |           |                      |              |            | 50         | -12.55           | -0.00724              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.12            | -0.00064              | PASS    |
|           |           |                      |              |            | -20        | -5.94            | -0.0034               | PASS    |
|           |           |                      |              |            | -10        | -2.63            | -0.00151              | PASS    |
|           |           |                      |              |            | 0          | -3.69            | -0.00211              | PASS    |
|           |           |                      |              |            | 10         | -1.72            | -0.00099              | PASS    |
|           |           |                      |              |            | 20         | -2.66            | -0.00152              | PASS    |
|           |           |                      |              |            | 30         | -1.5             | -0.00086              | PASS    |
|           |           |                      |              |            | 40         | -2.52            | -0.00144              | PASS    |
|           |           |                      |              |            | 50         | -1.79            | -0.00103              | PASS    |

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END