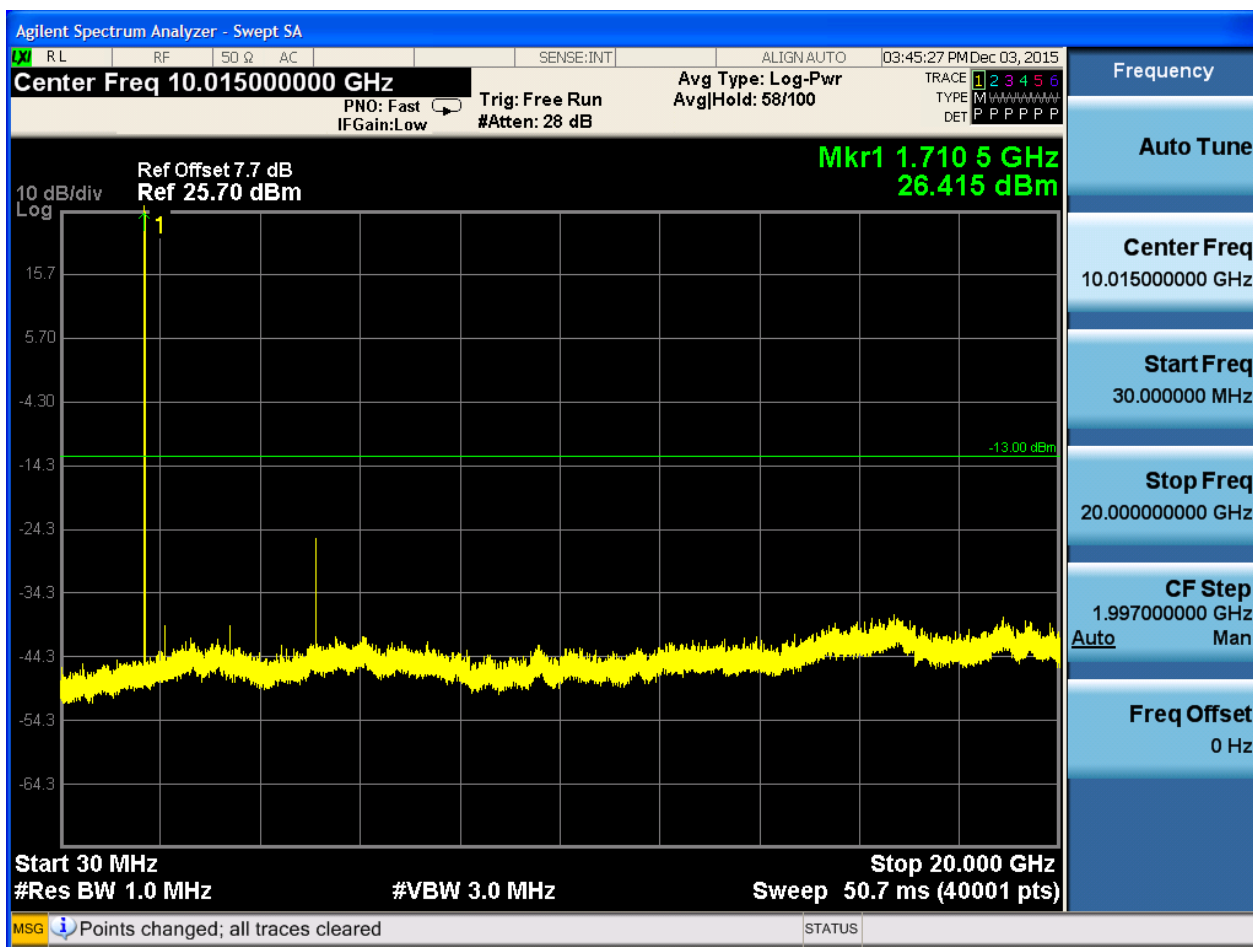
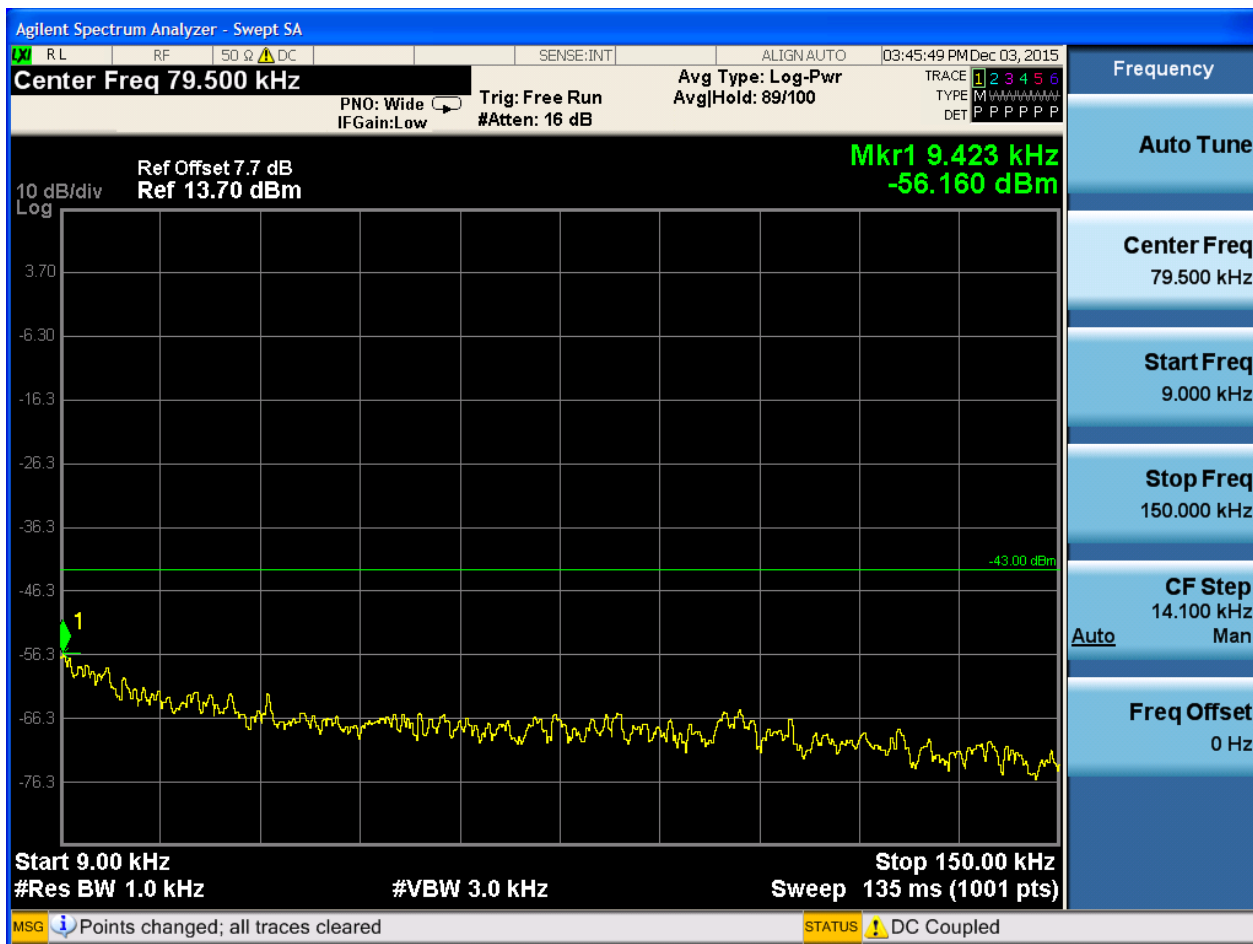


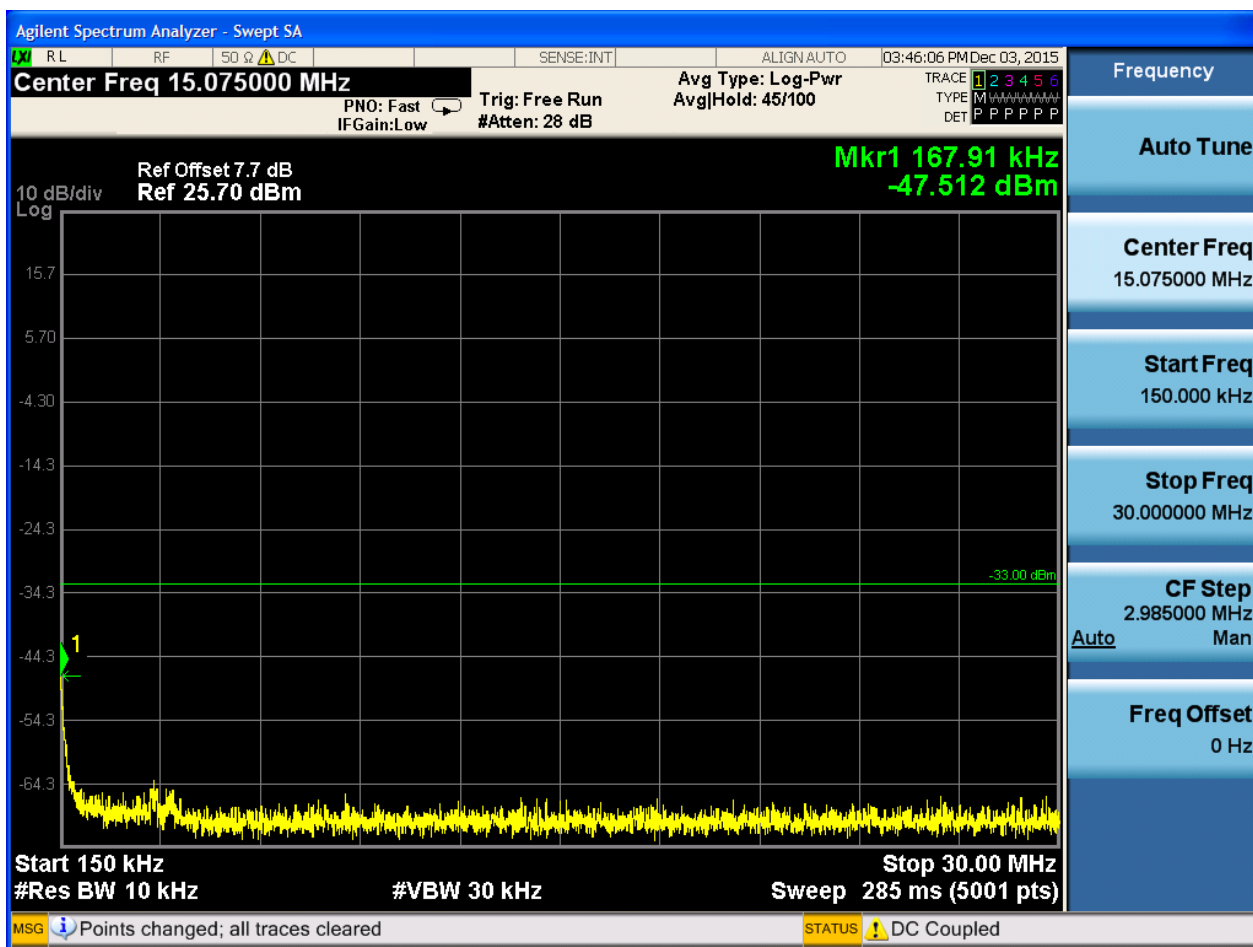


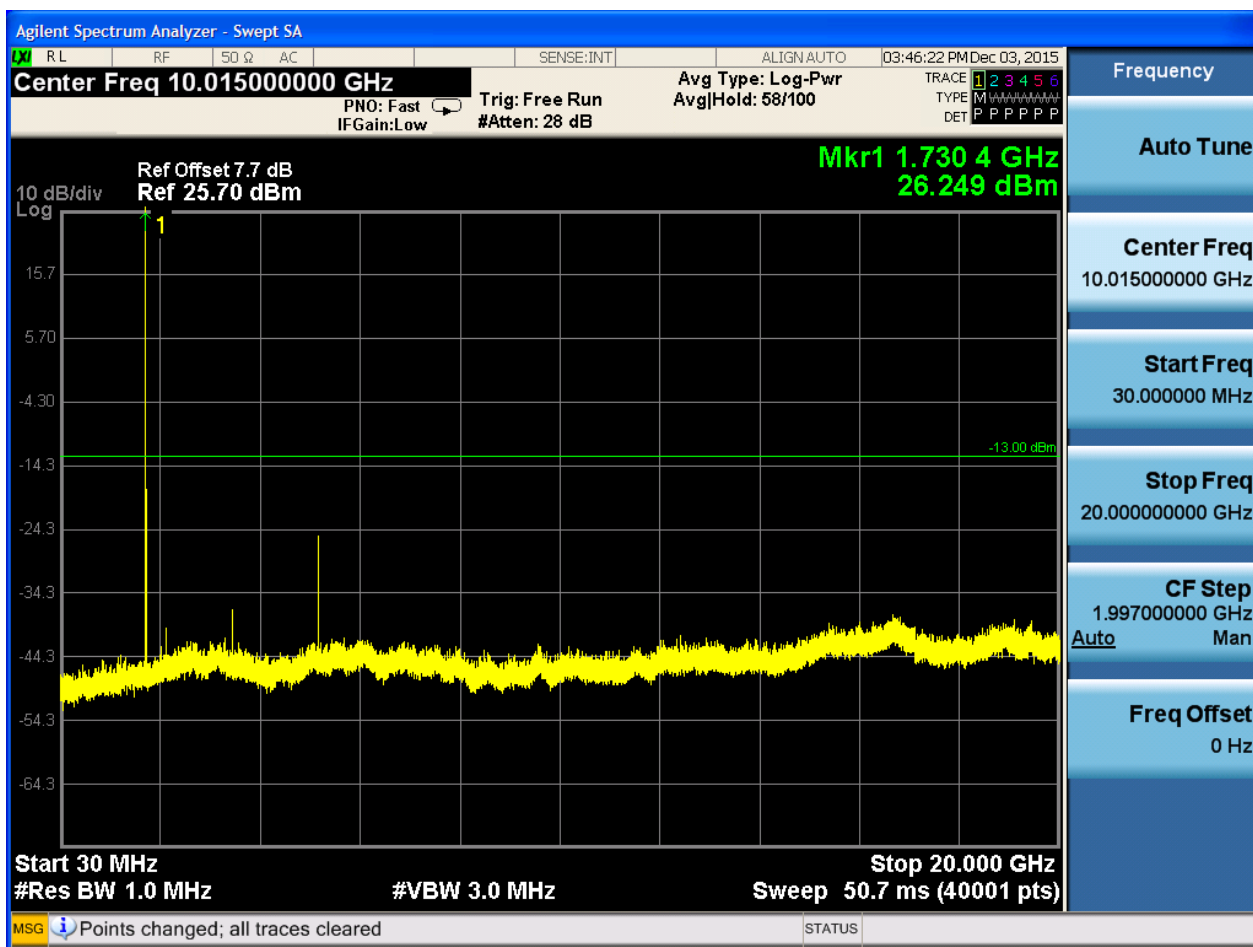


## 6.1.1.2.3.2 Test Channel = MCH

## 6.1.1.2.3.2.1 Test RB = RB1#0



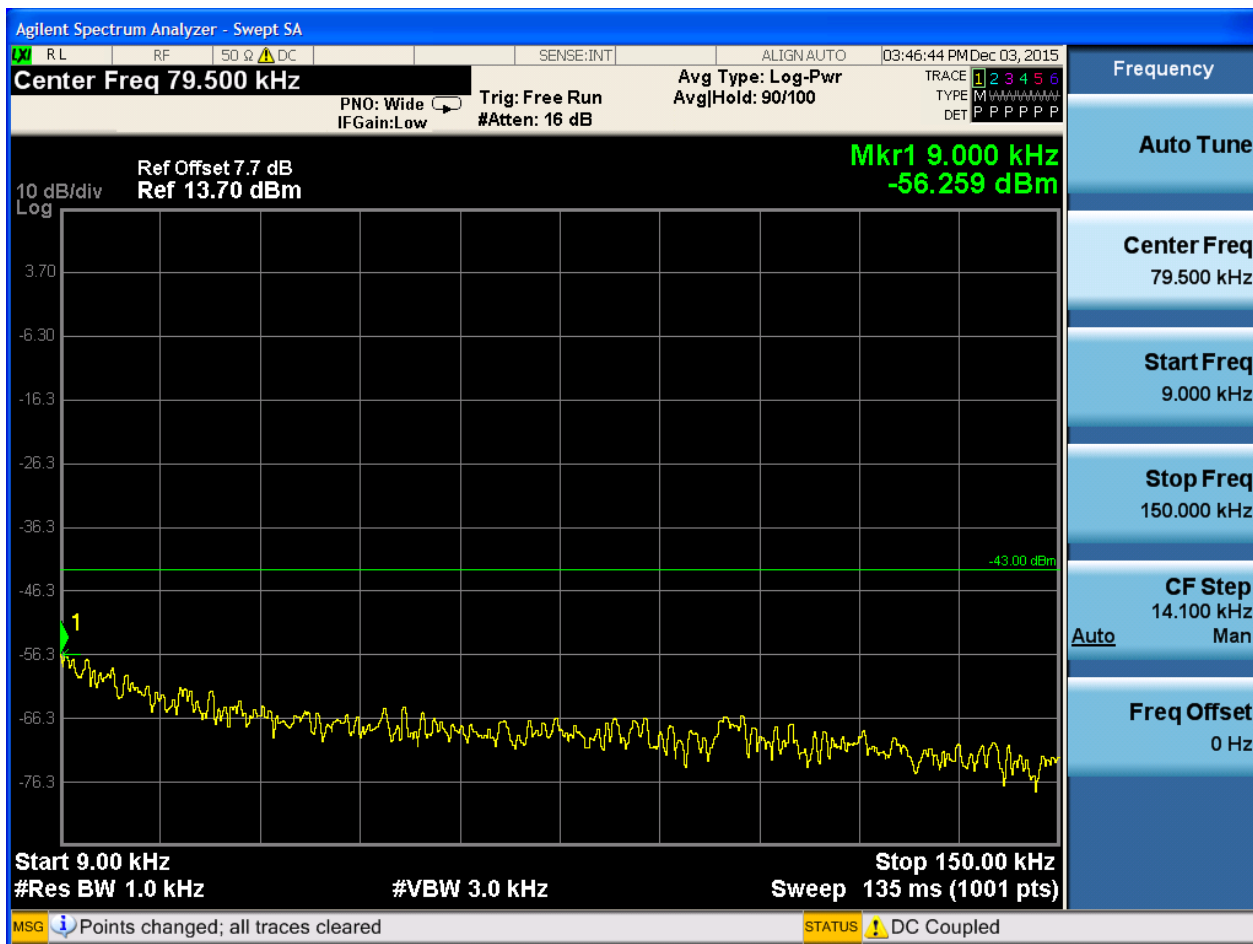


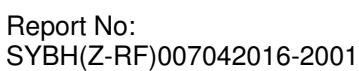


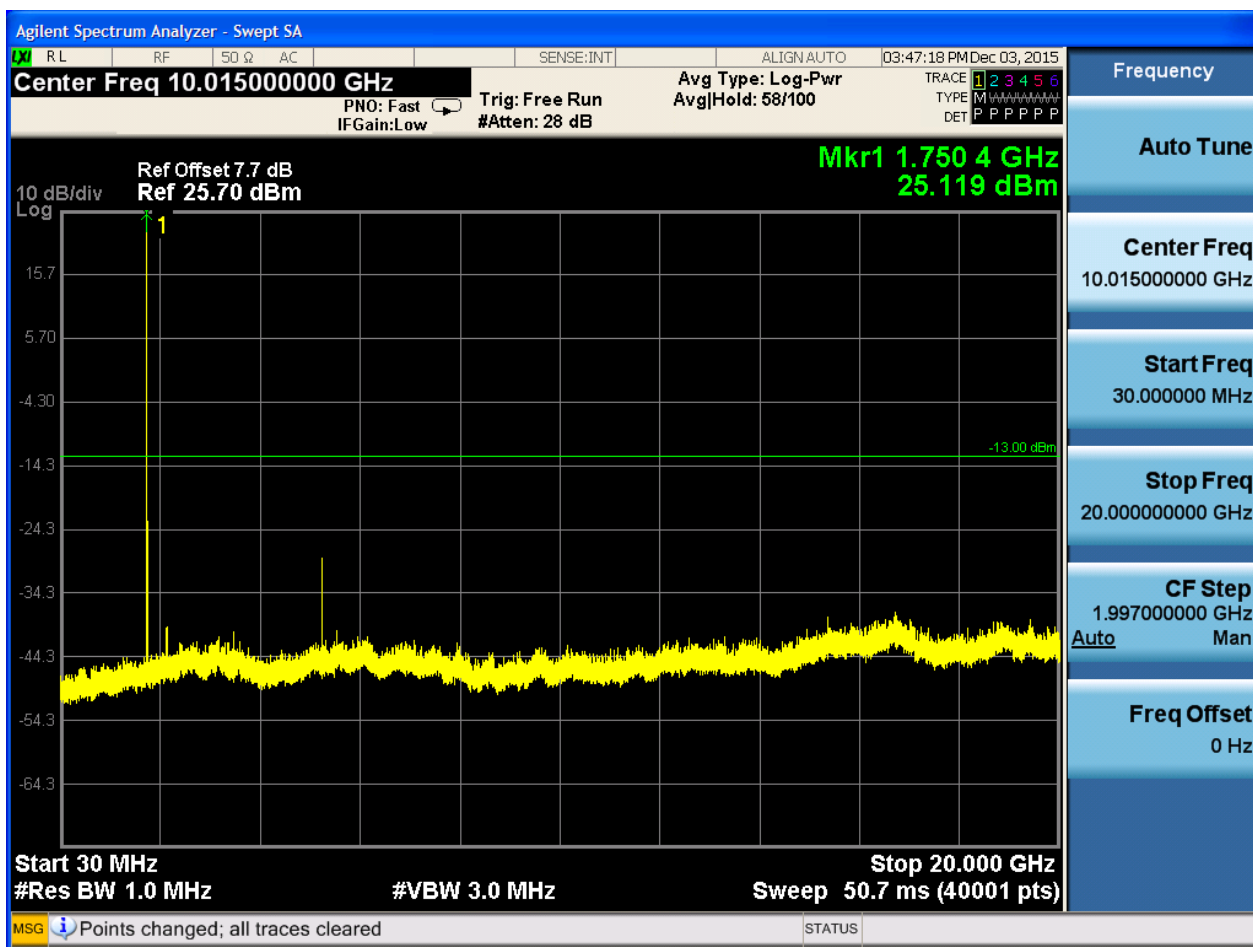


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0



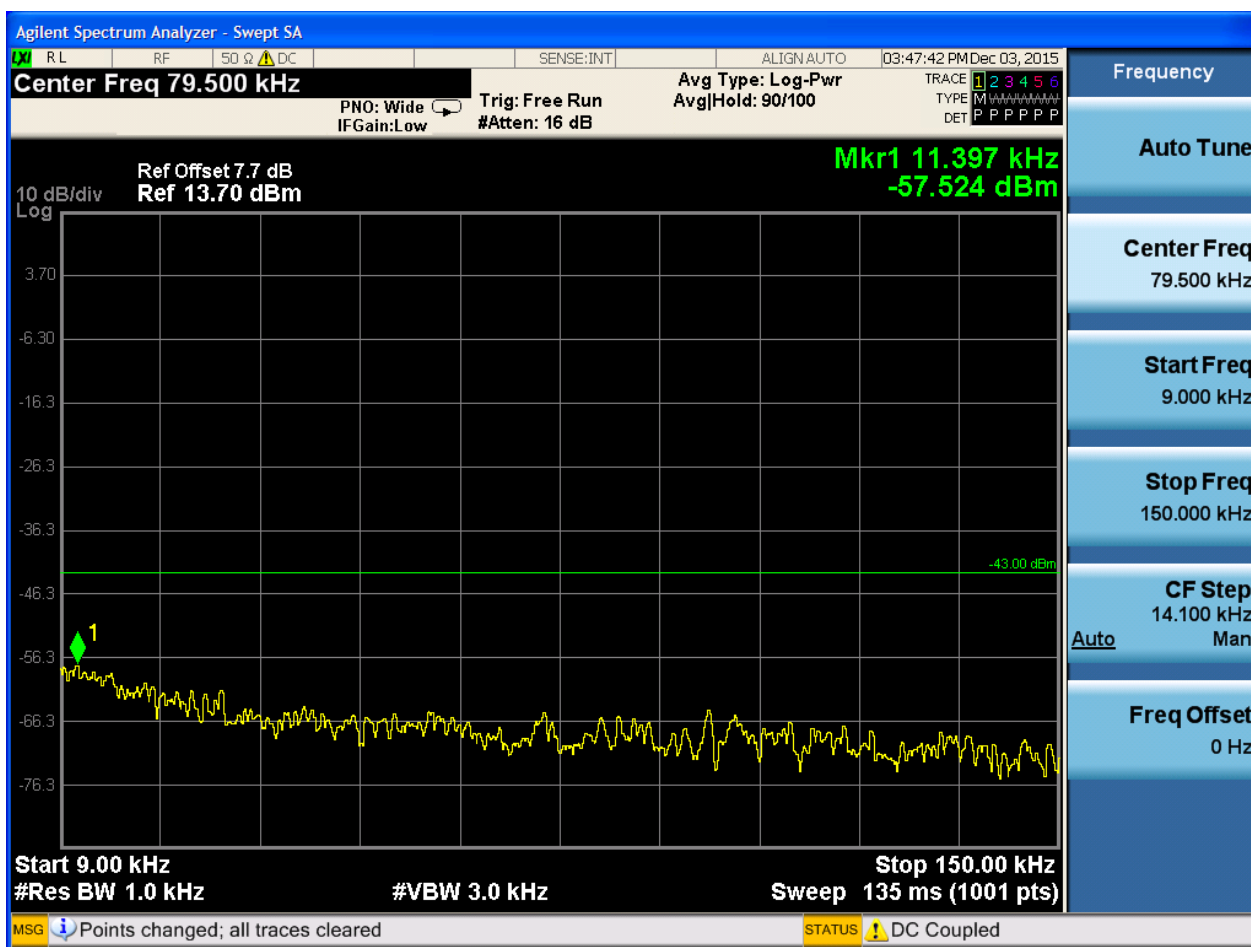


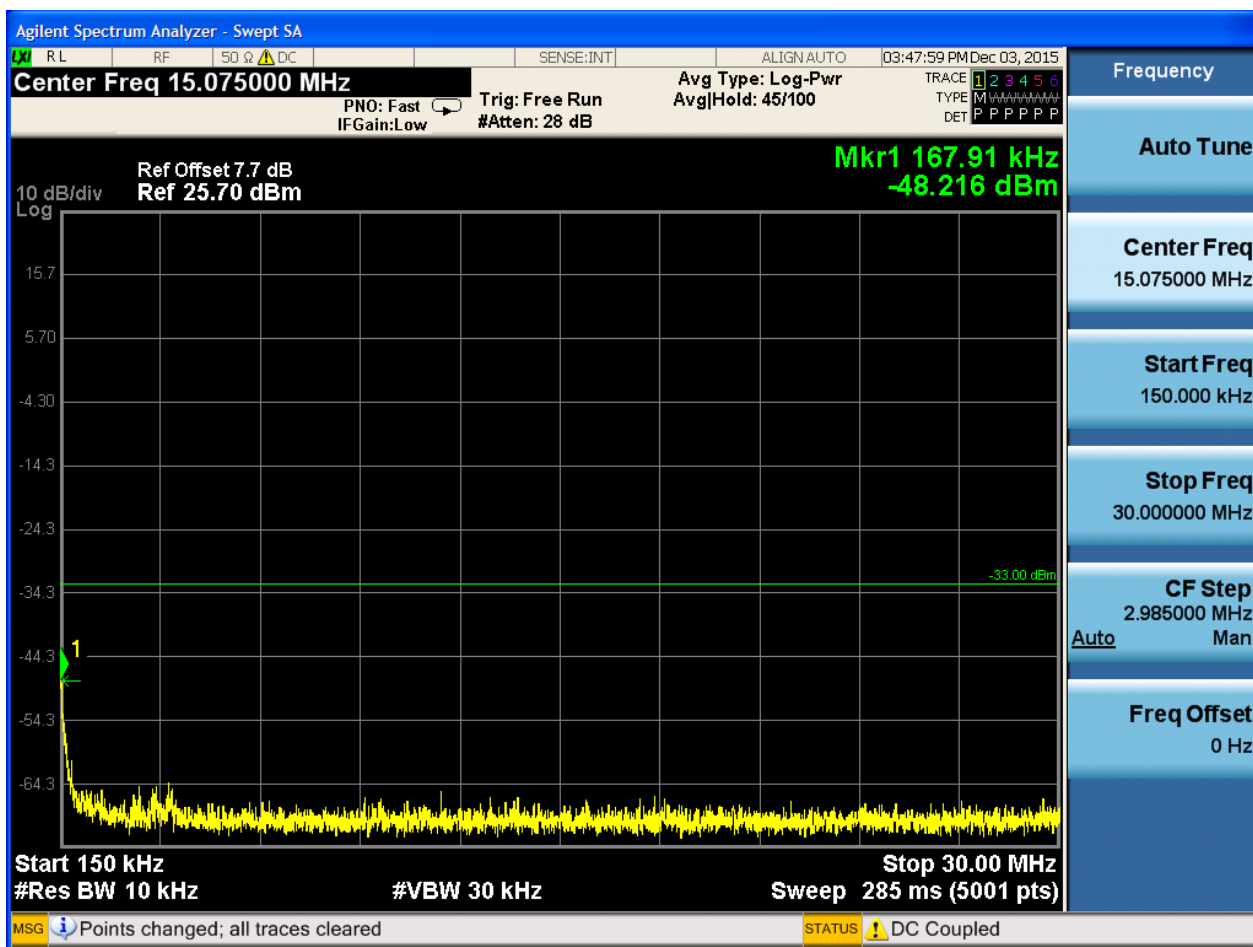


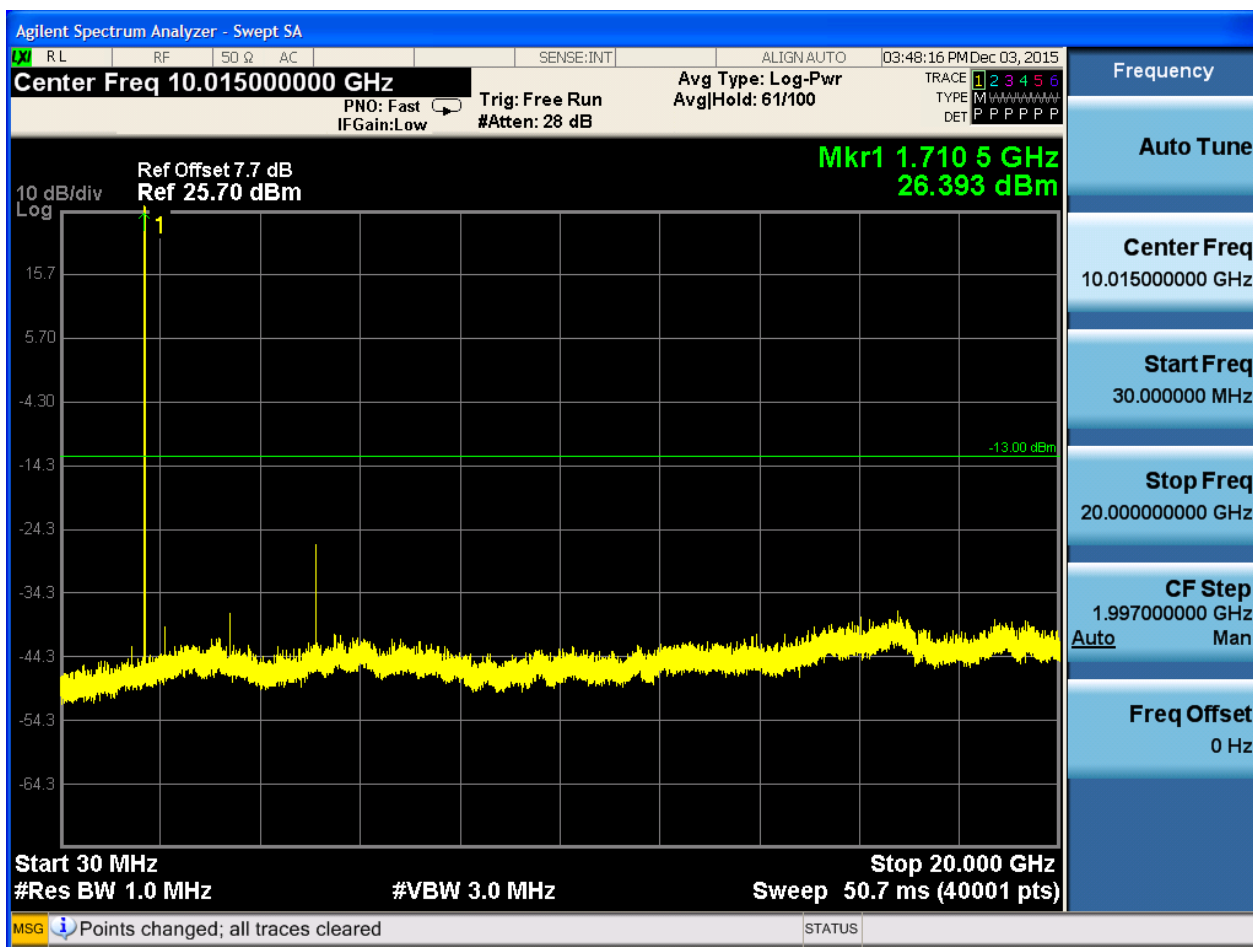
#### 6.1.1.2.4 Test Bandwidth = 10

##### 6.1.1.2.4.1 Test Channel = LCH

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



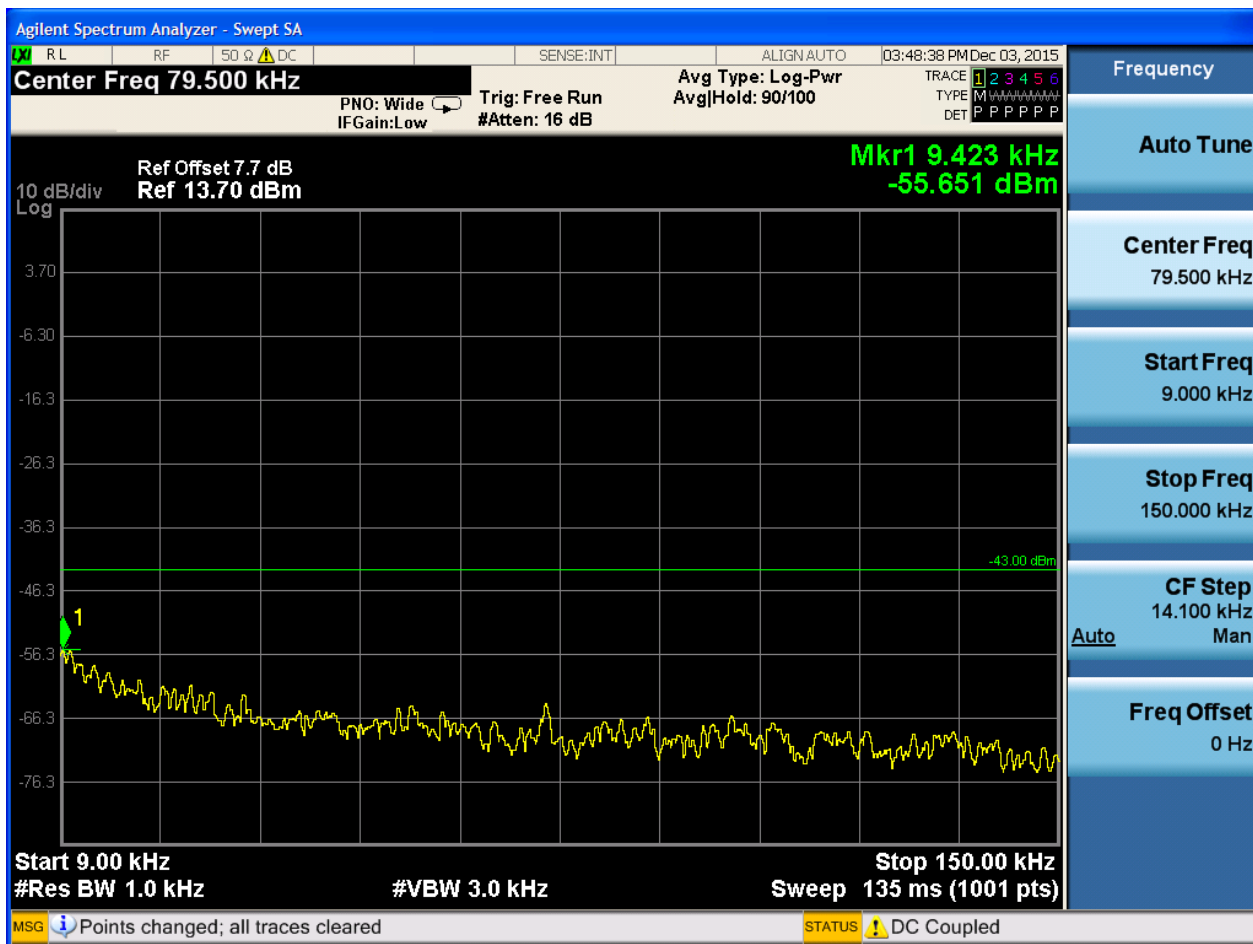


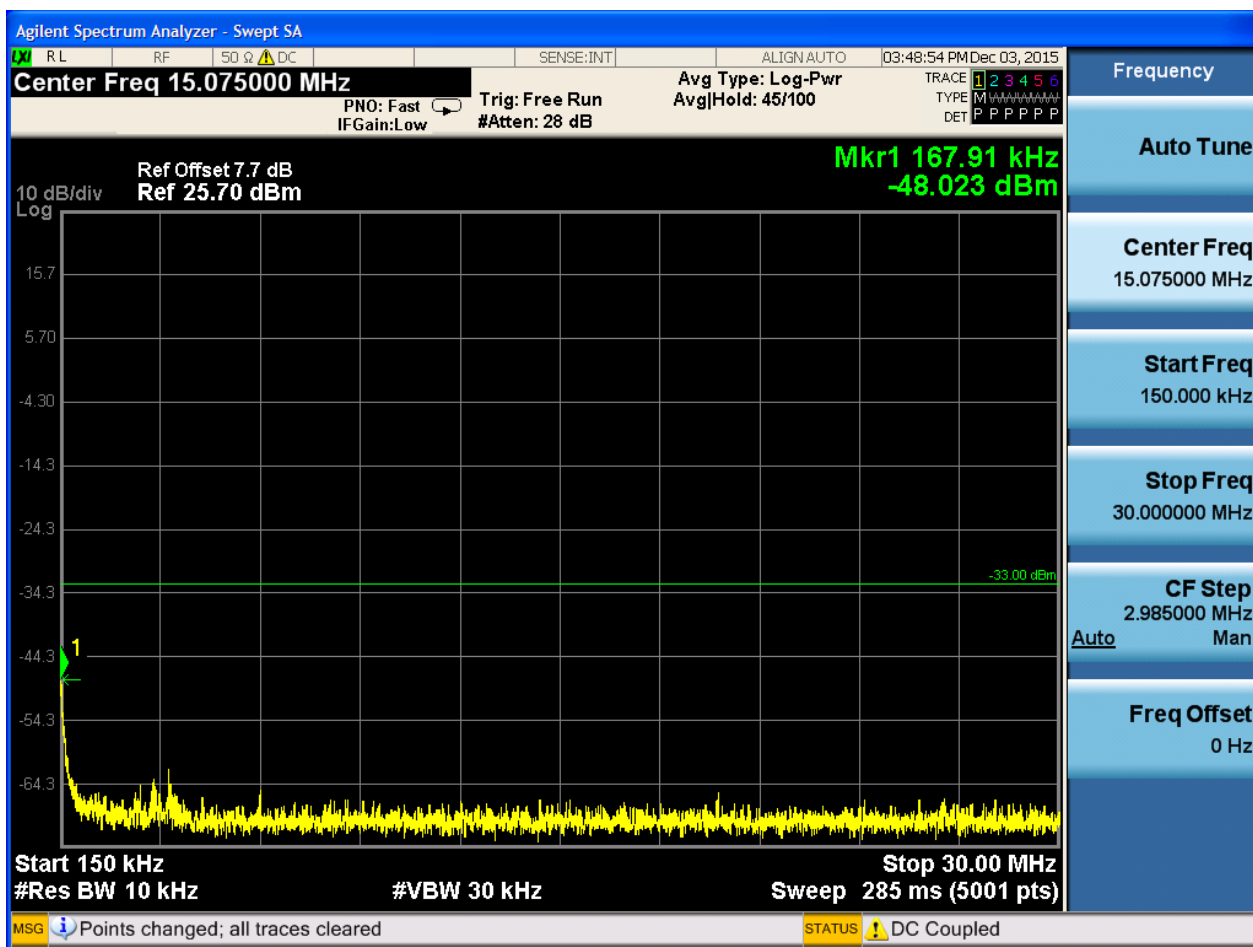


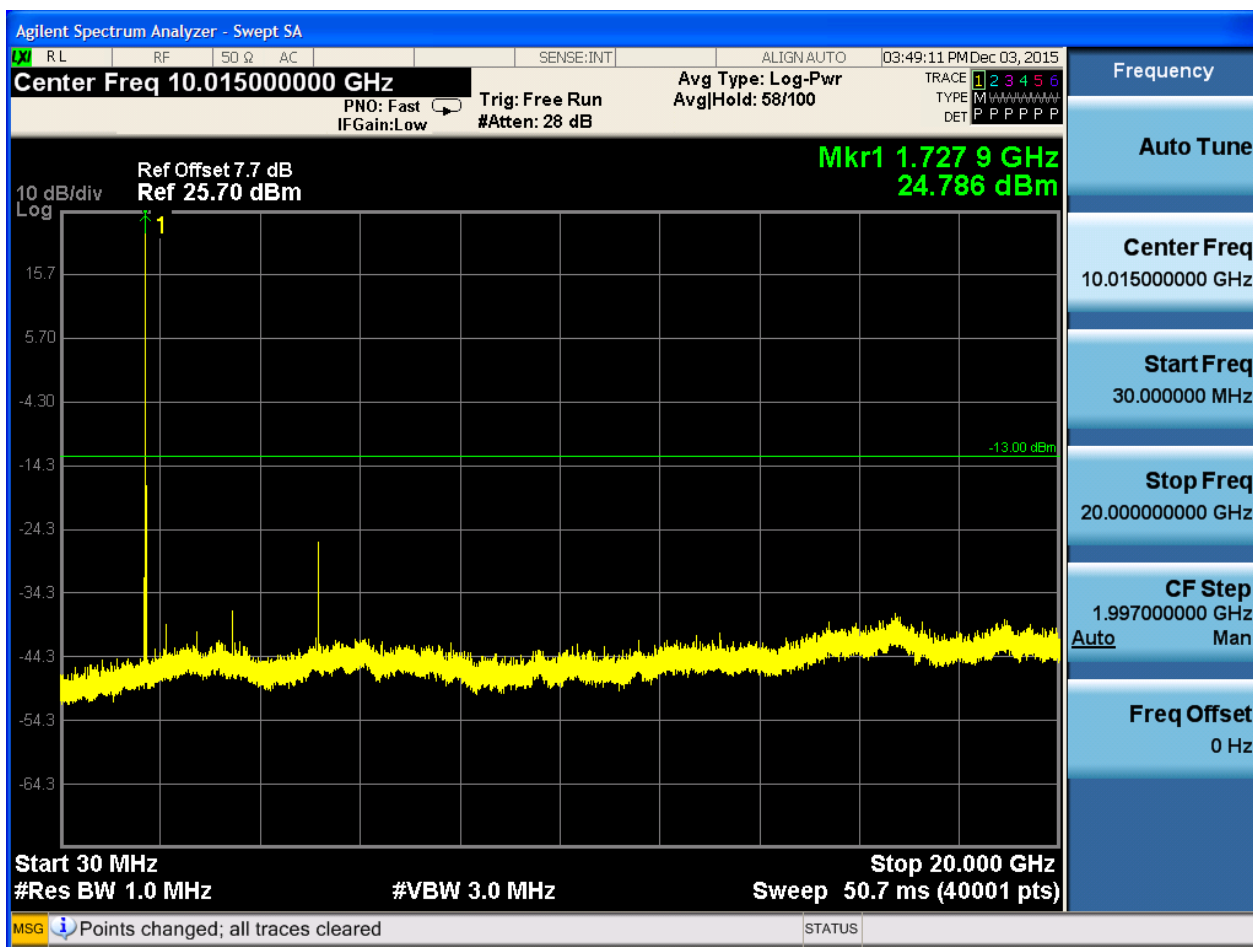


## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0



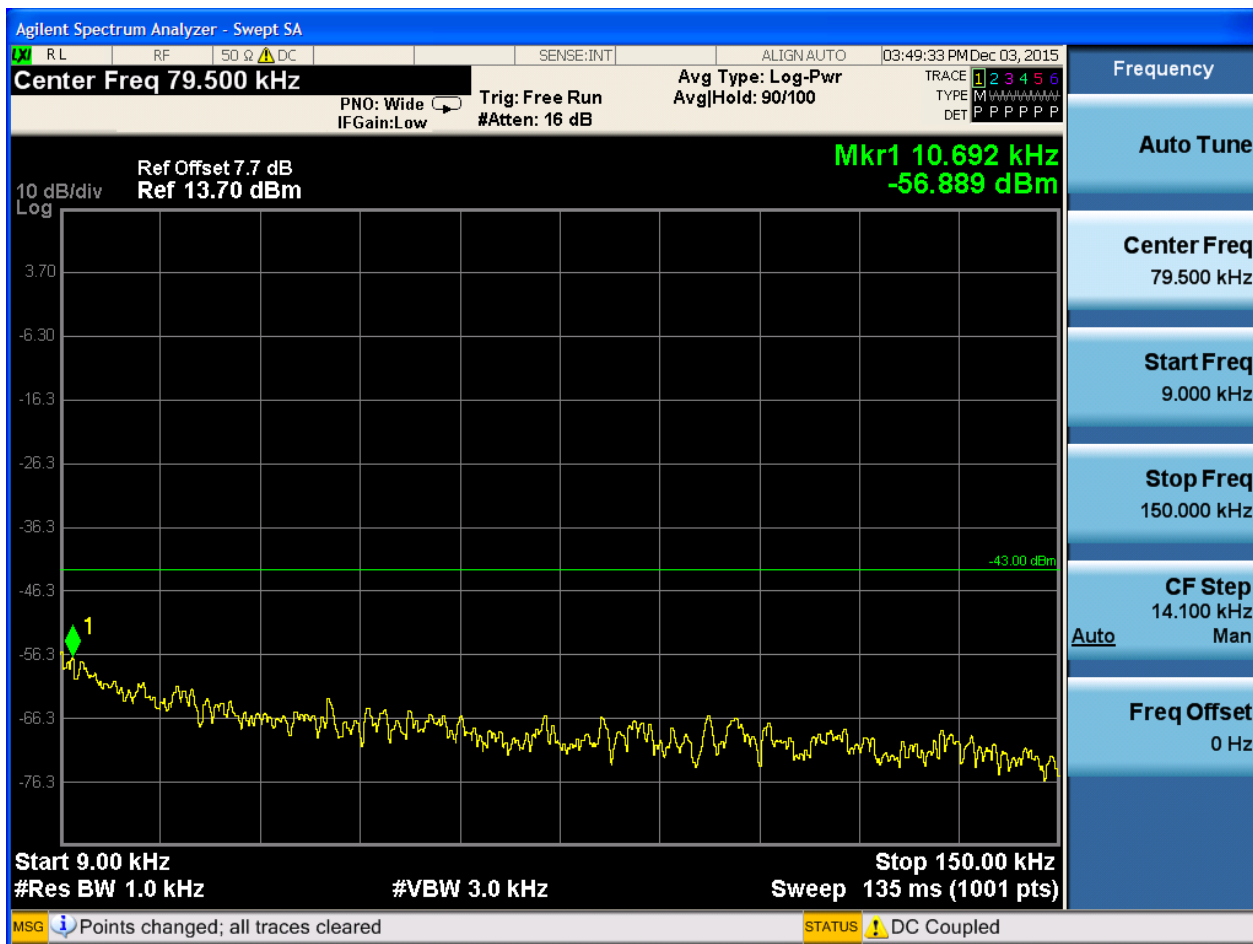


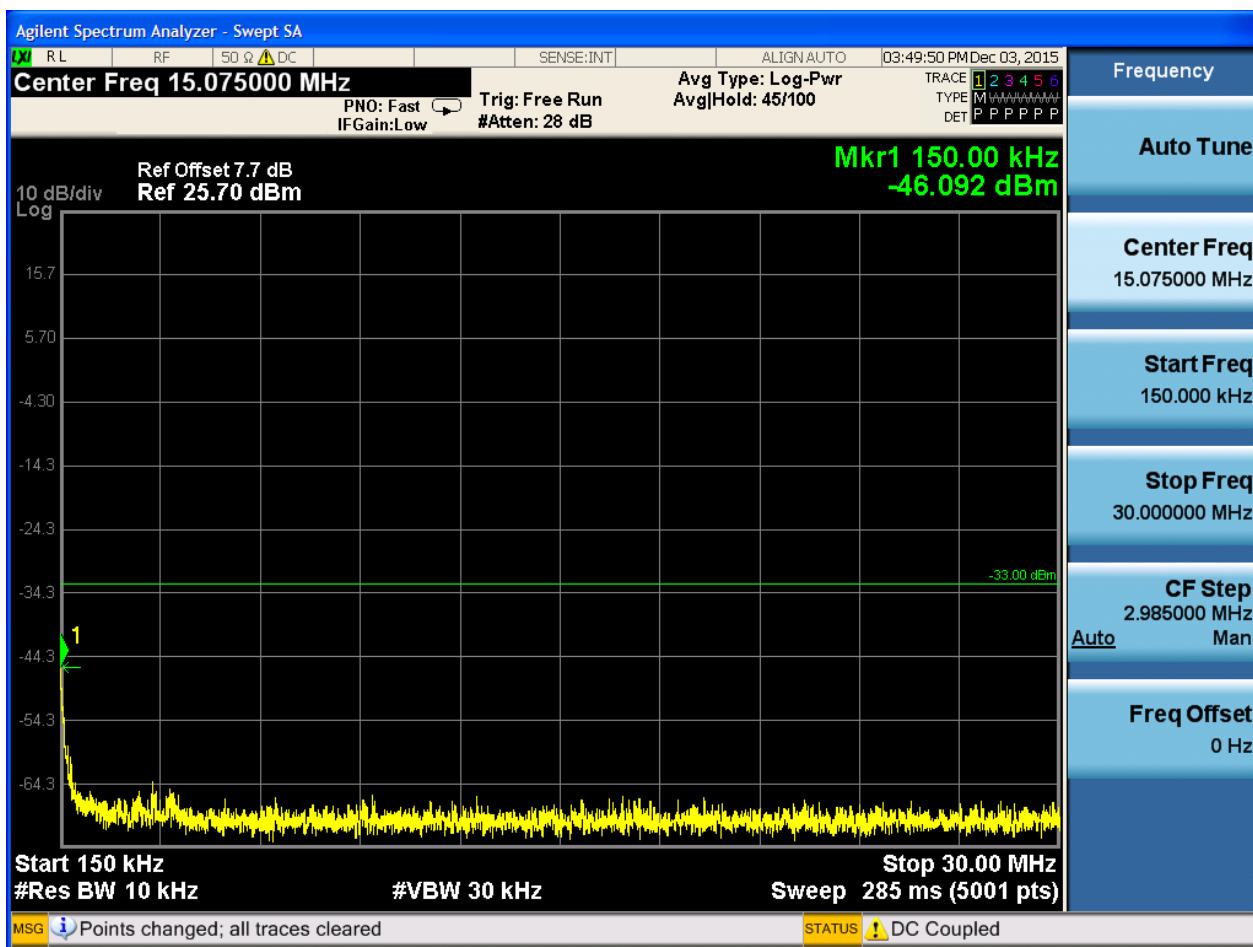


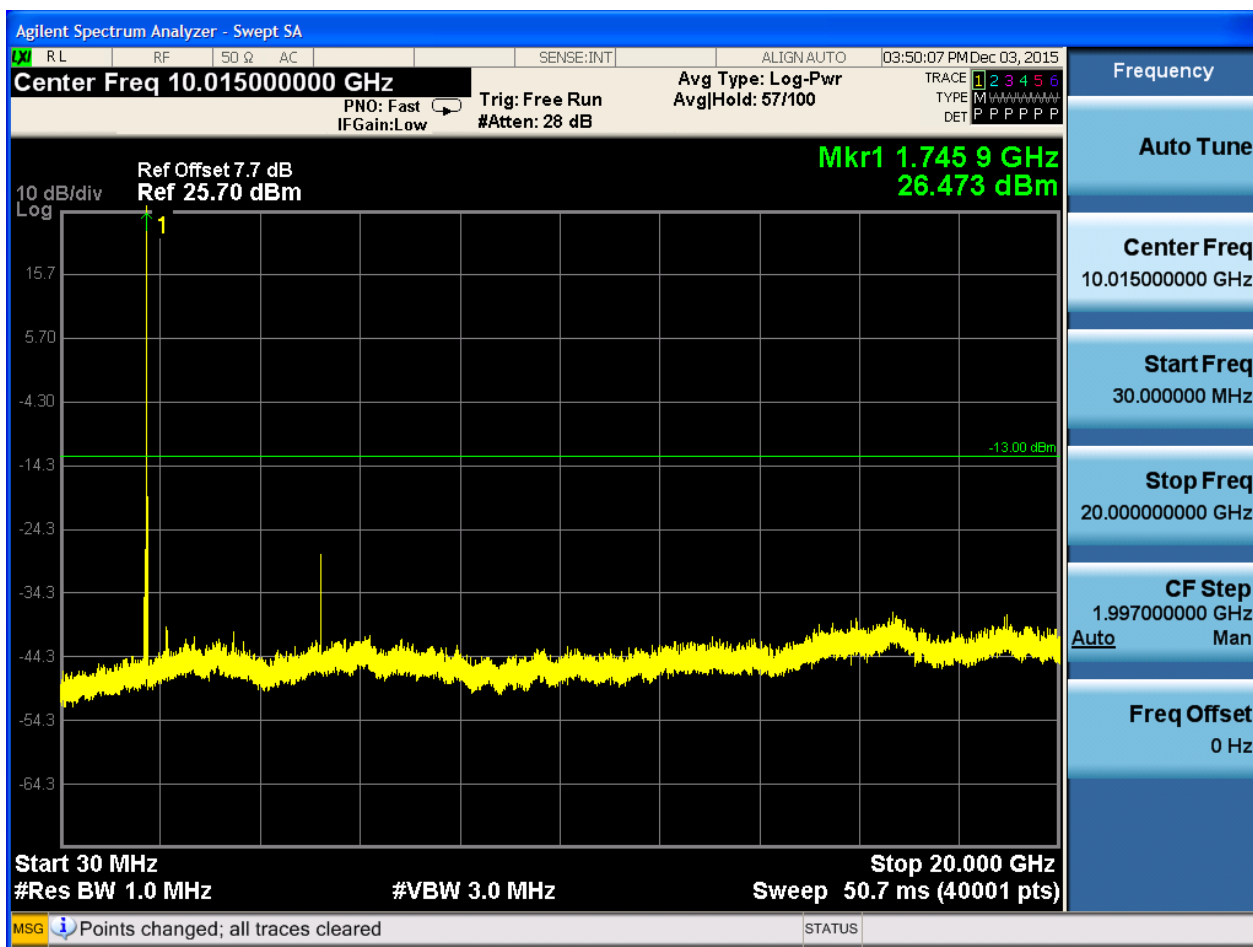


## 6.1.1.2.4.3 Test Channel = HCH

## 6.1.1.2.4.3.1 Test RB = RB1#0



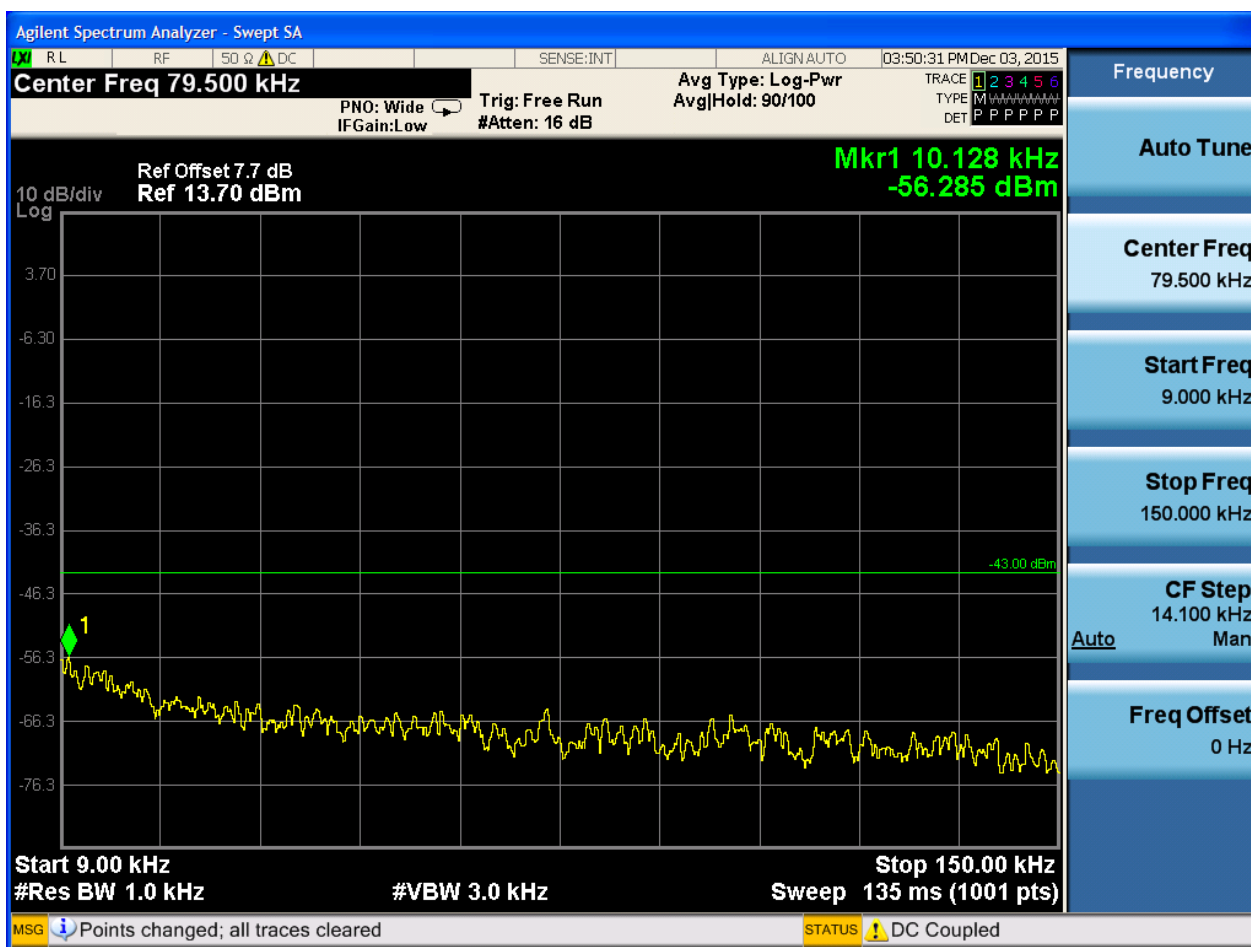


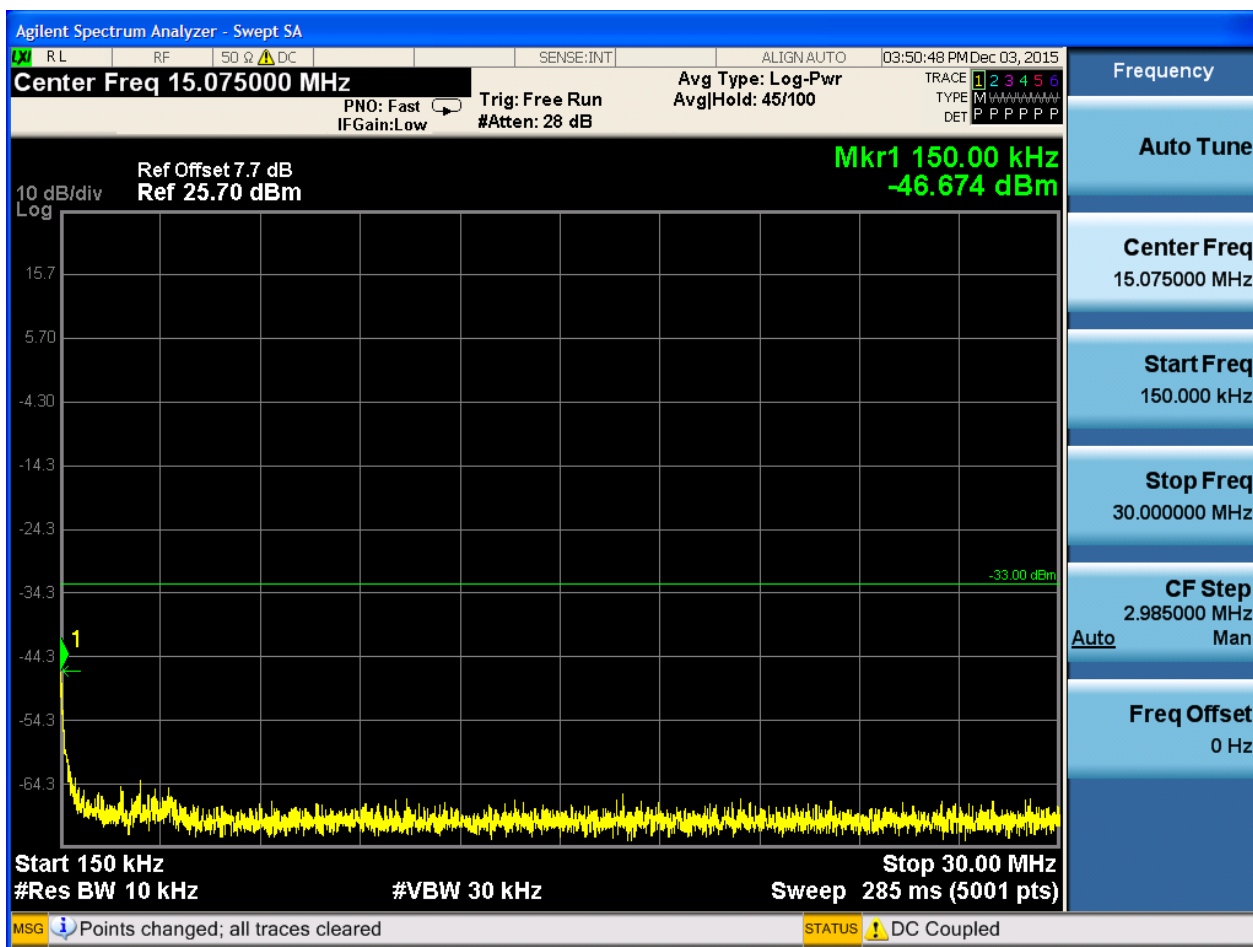


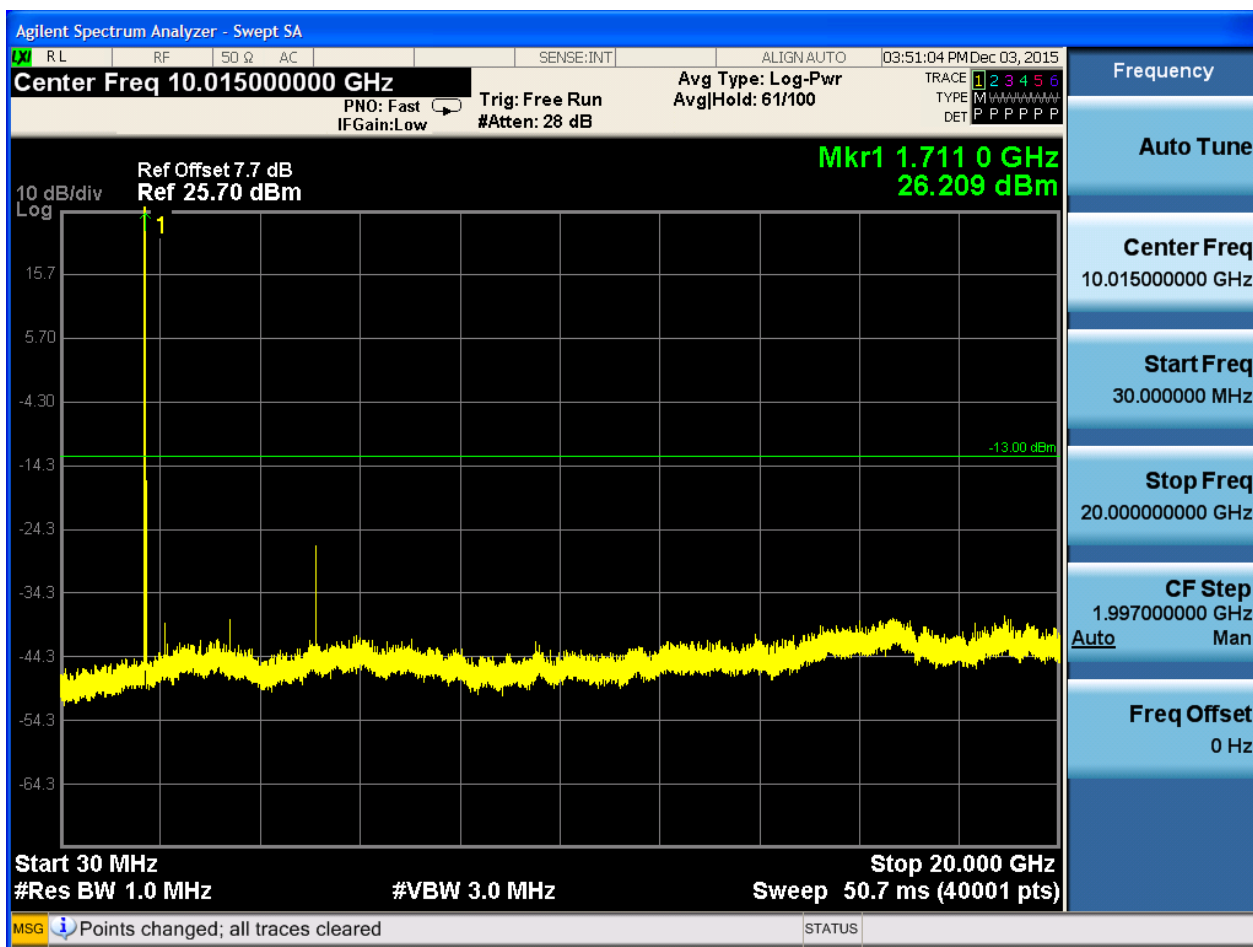
### 6.1.1.2.5 Test Bandwidth = 15

#### 6.1.1.2.5.1 Test Channel = LCH

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



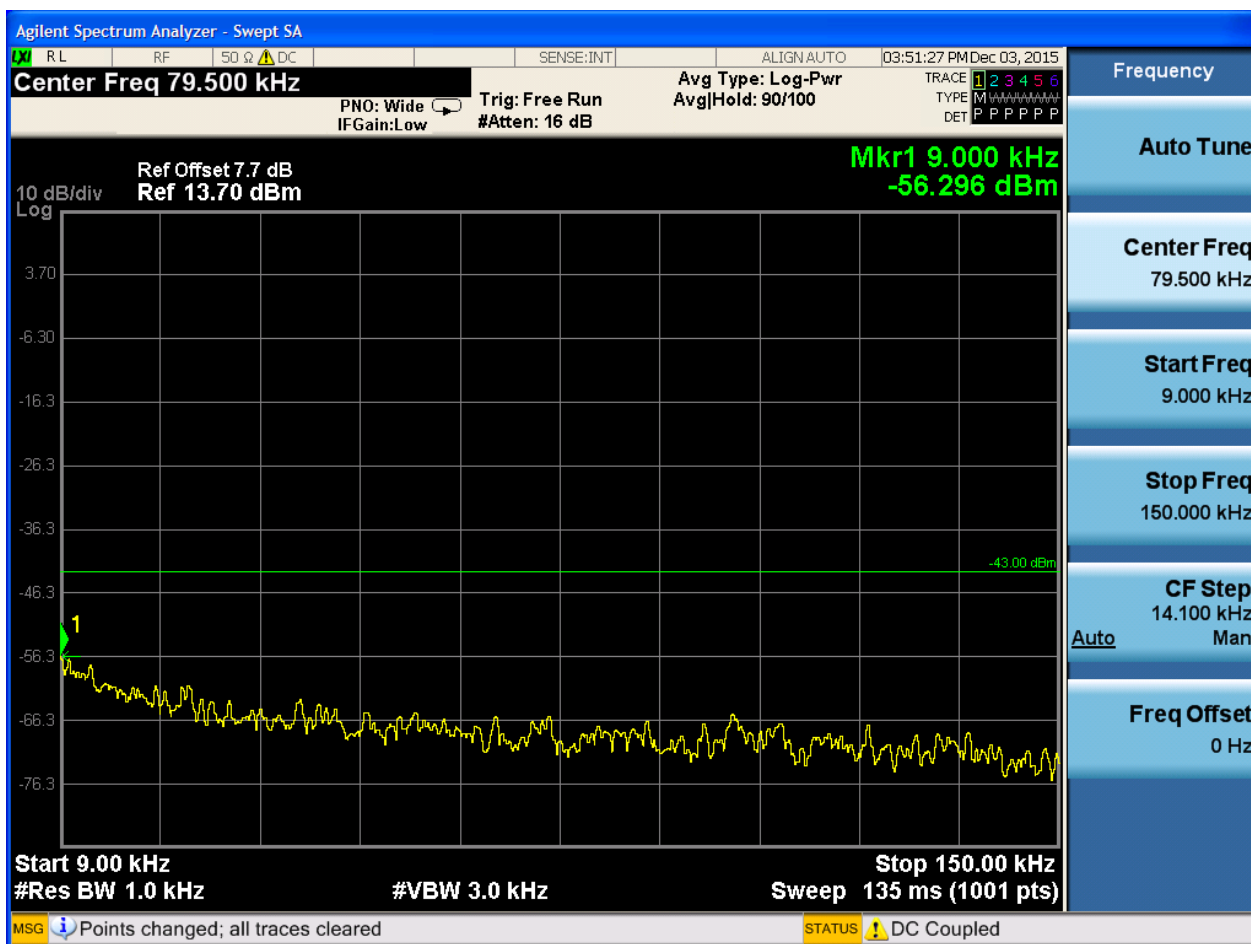


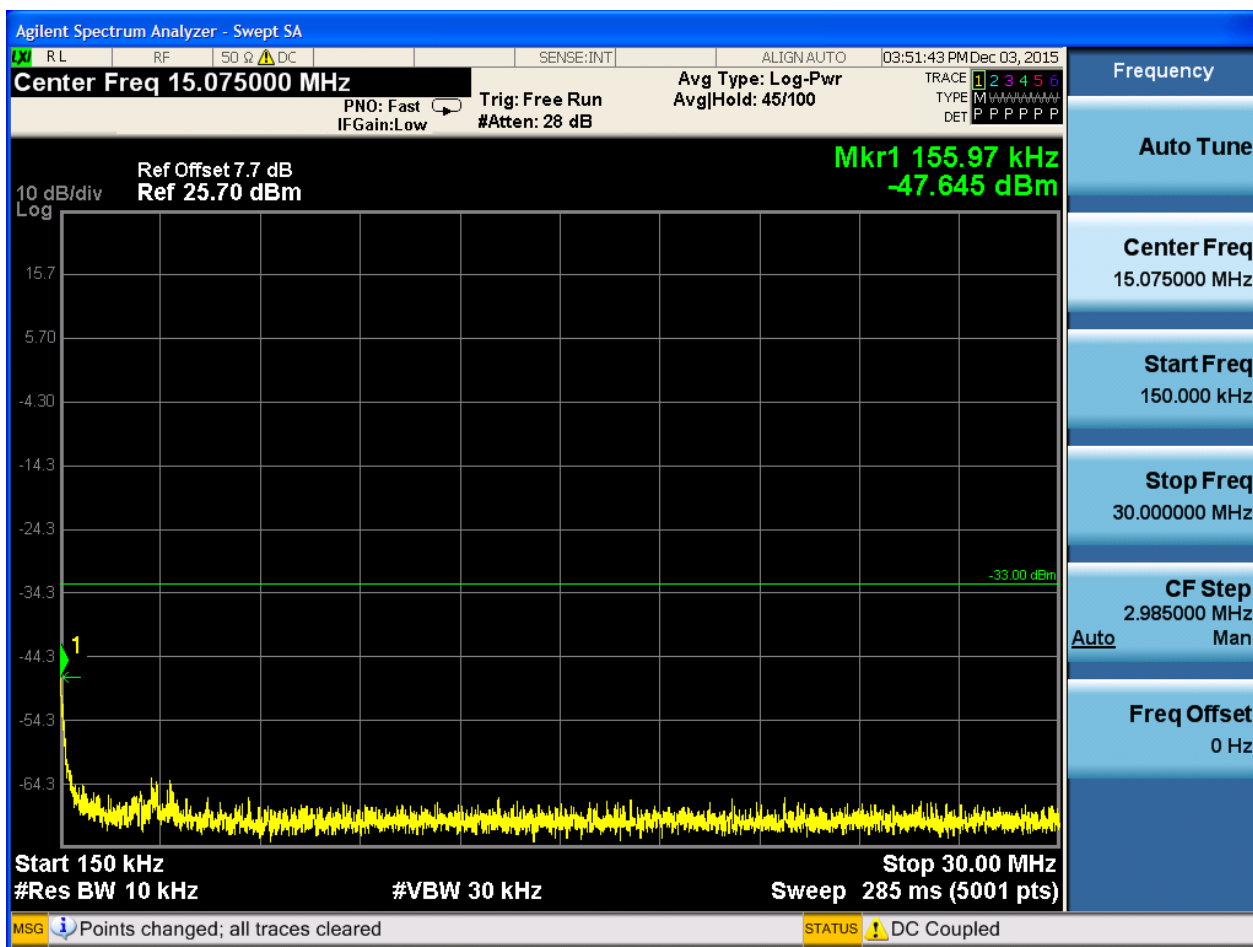


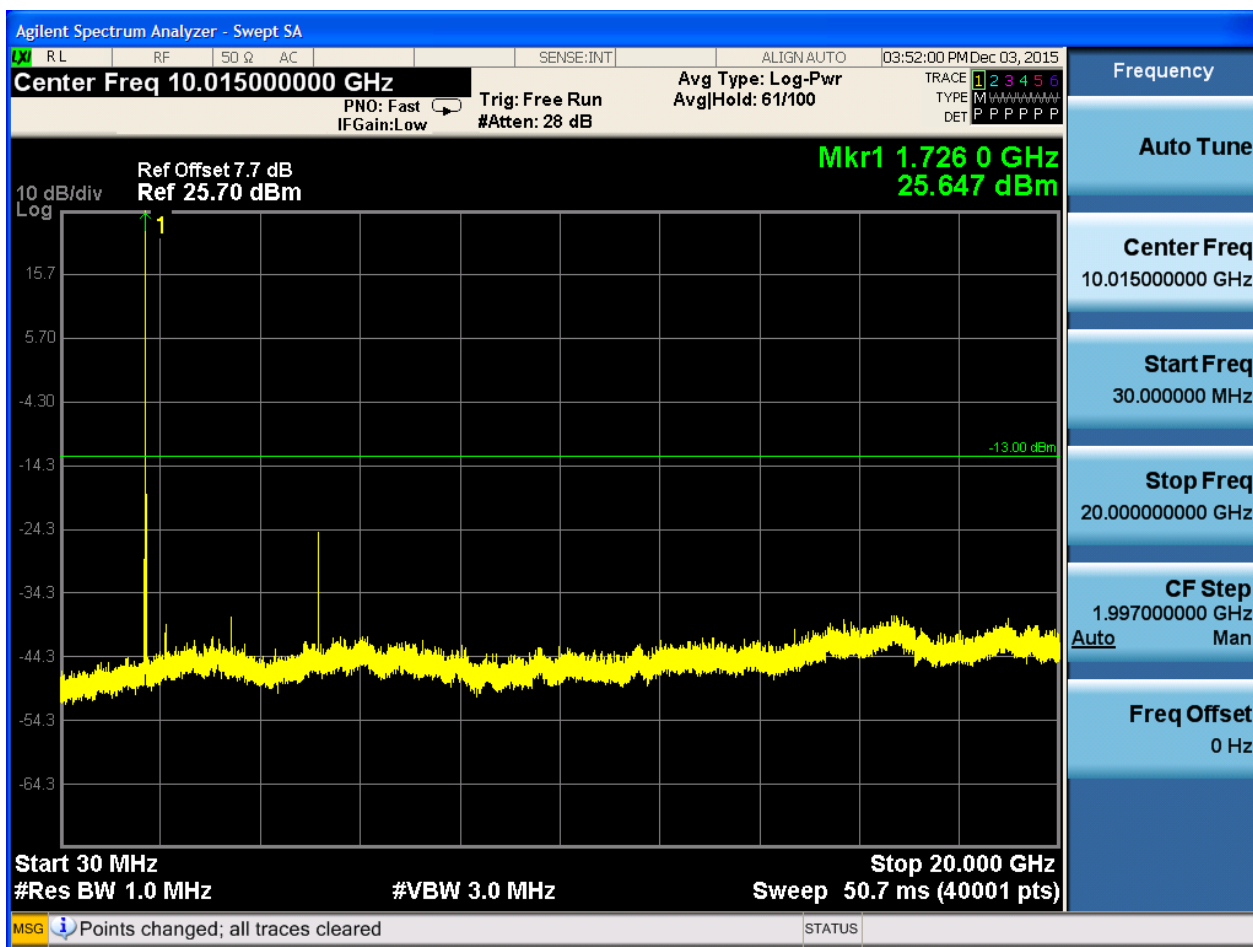


## 6.1.1.2.5.2 Test Channel = MCH

## 6.1.1.2.5.2.1 Test RB = RB1#0



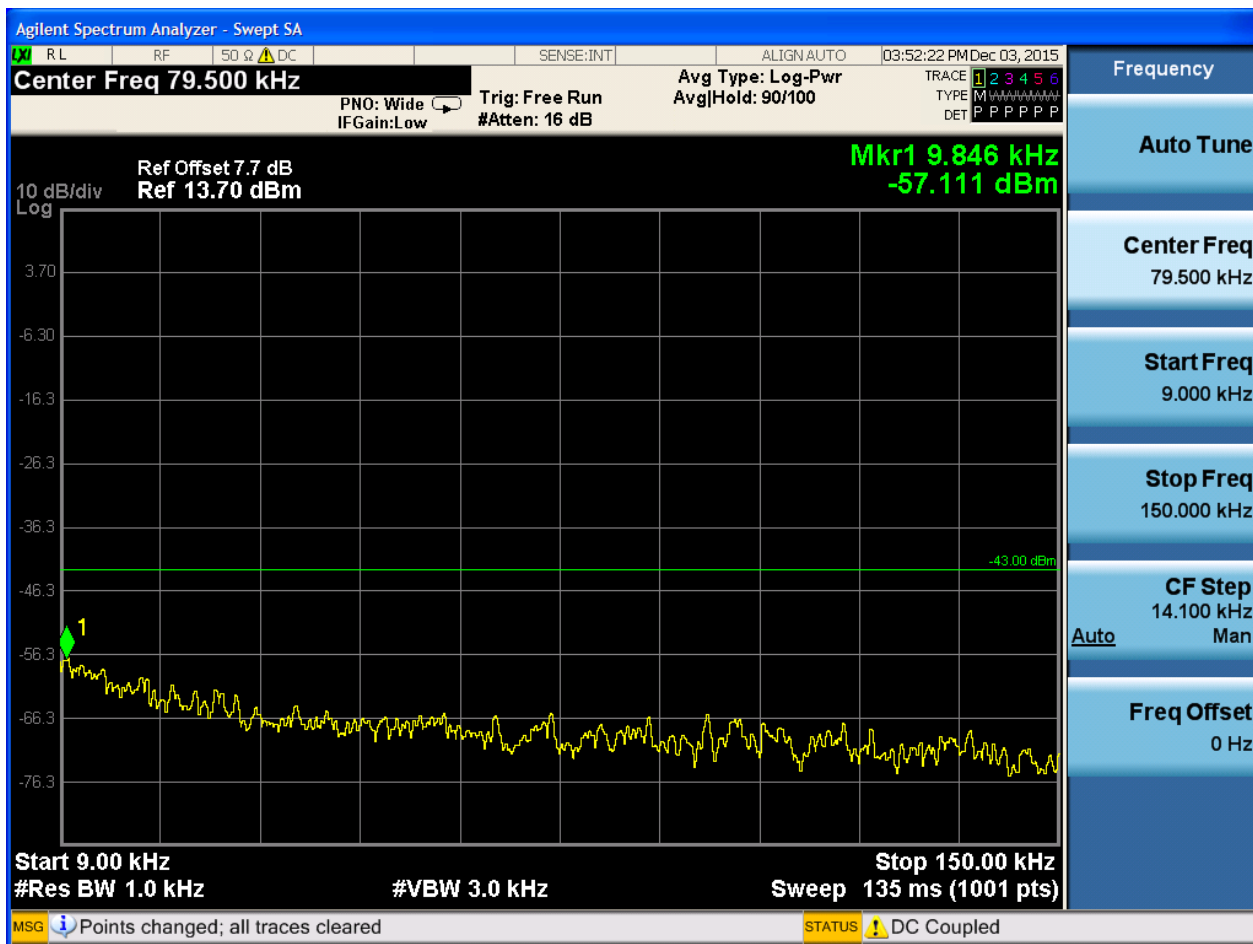




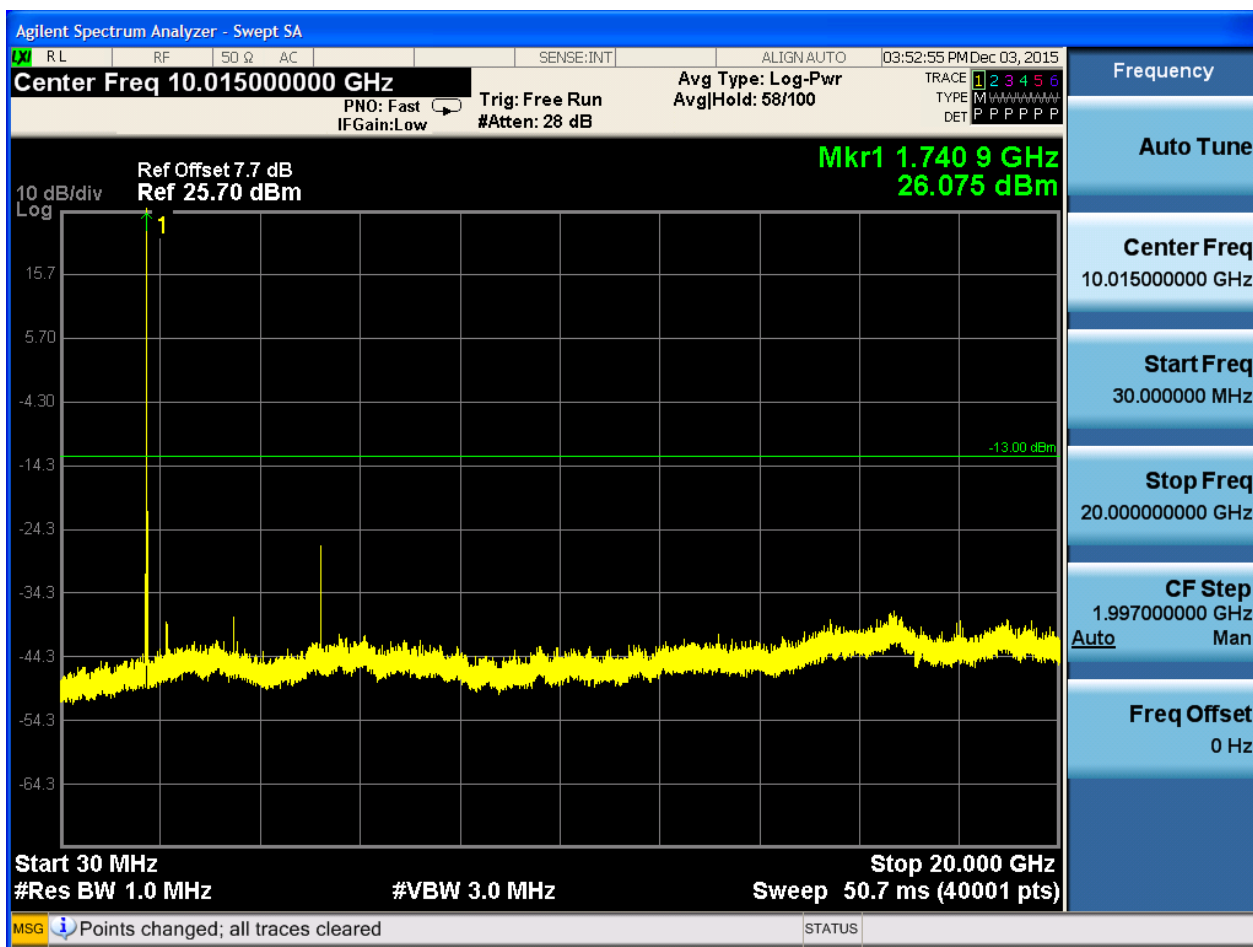


## 6.1.1.2.5.3 Test Channel = HCH

## 6.1.1.2.5.3.1 Test RB = RB1#0



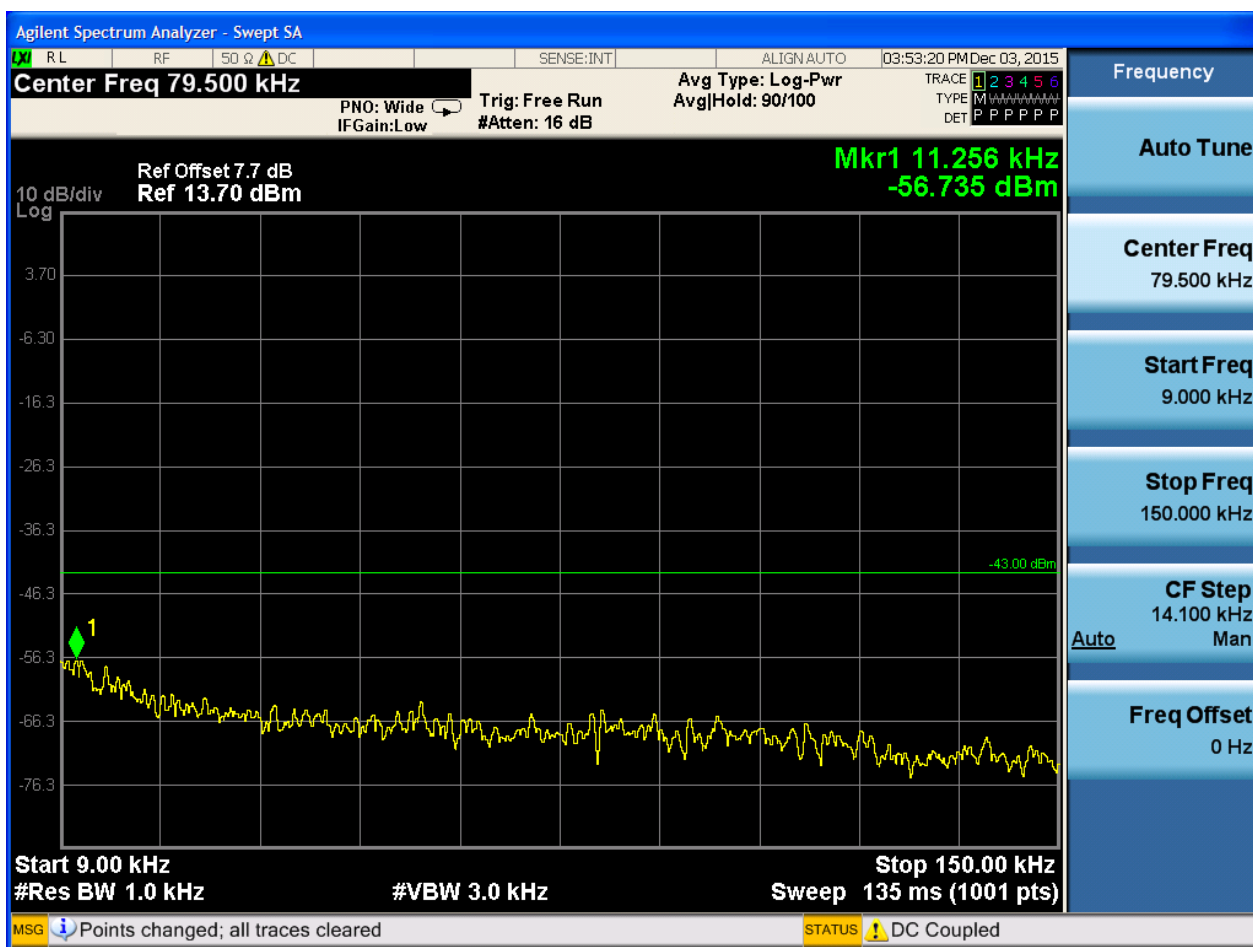


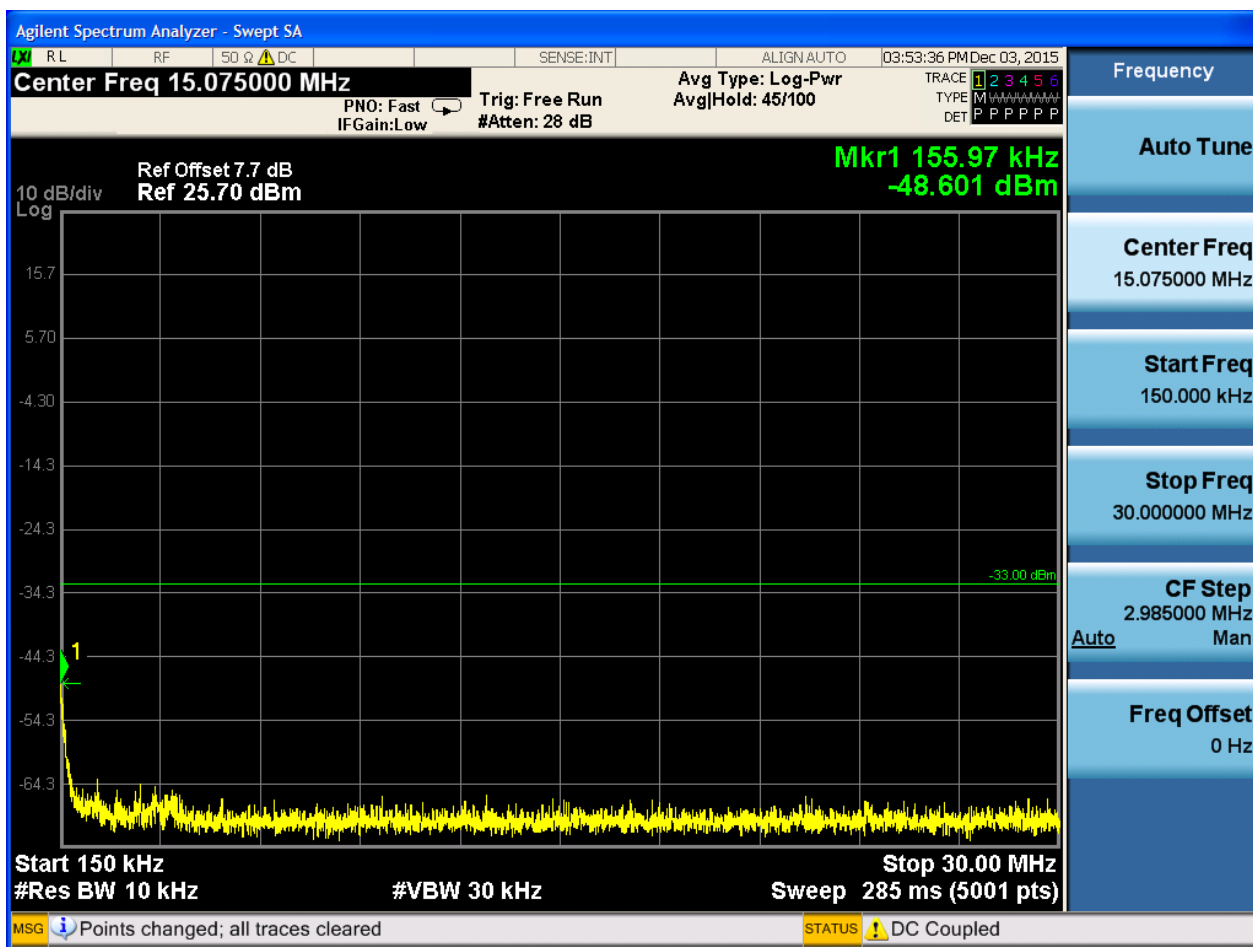


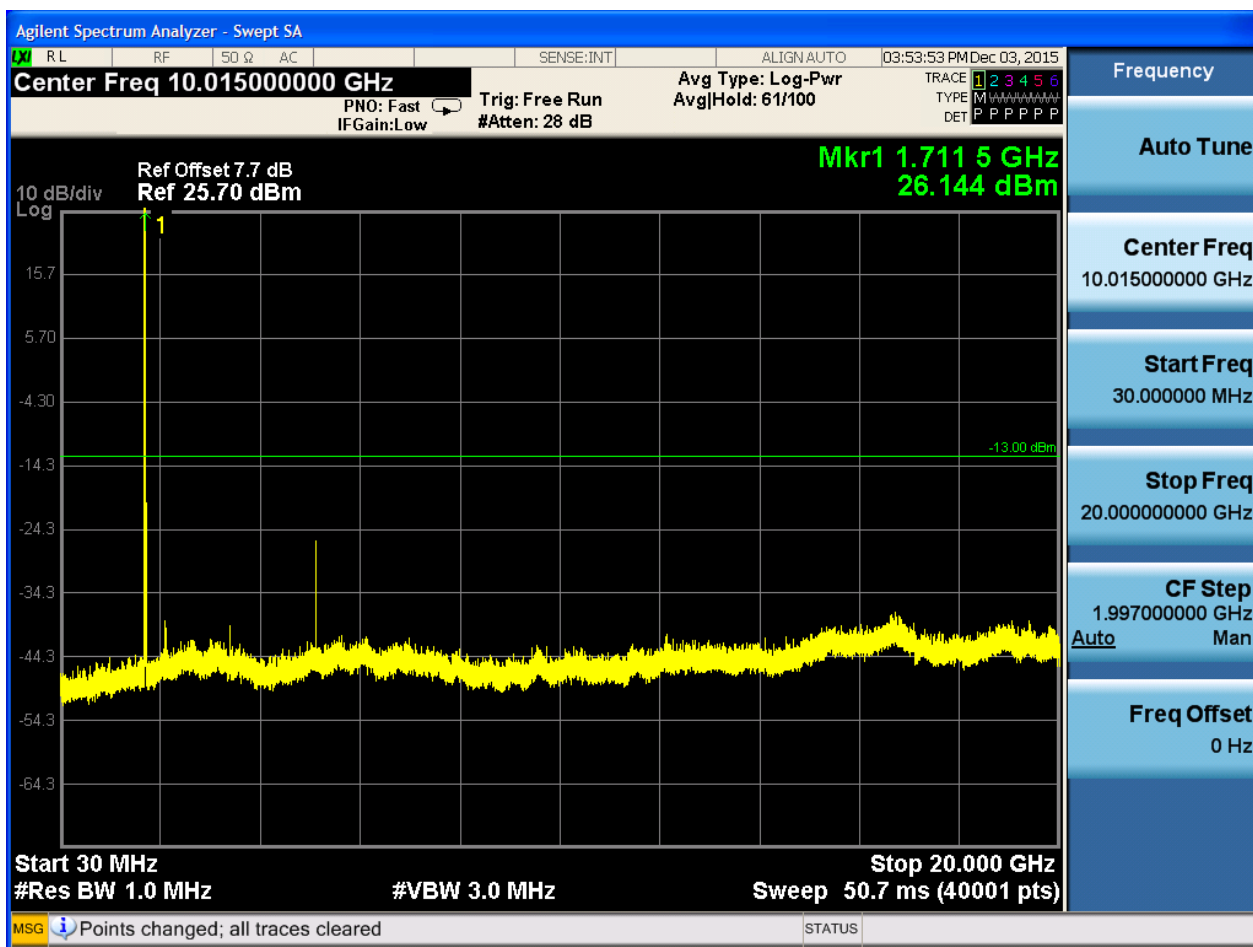
### 6.1.1.2.6 Test Bandwidth = 20

#### 6.1.1.2.6.1 Test Channel = LCH

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



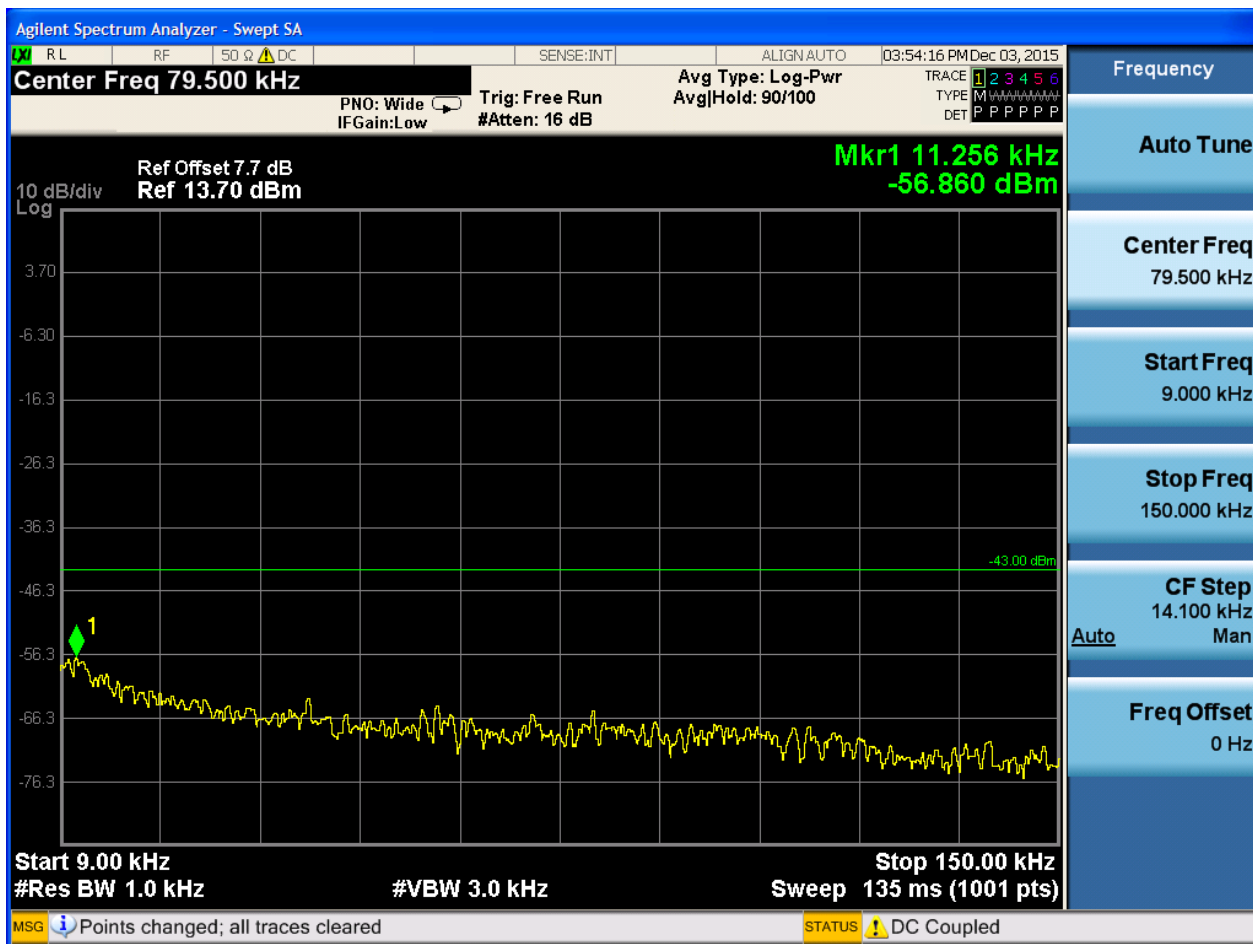


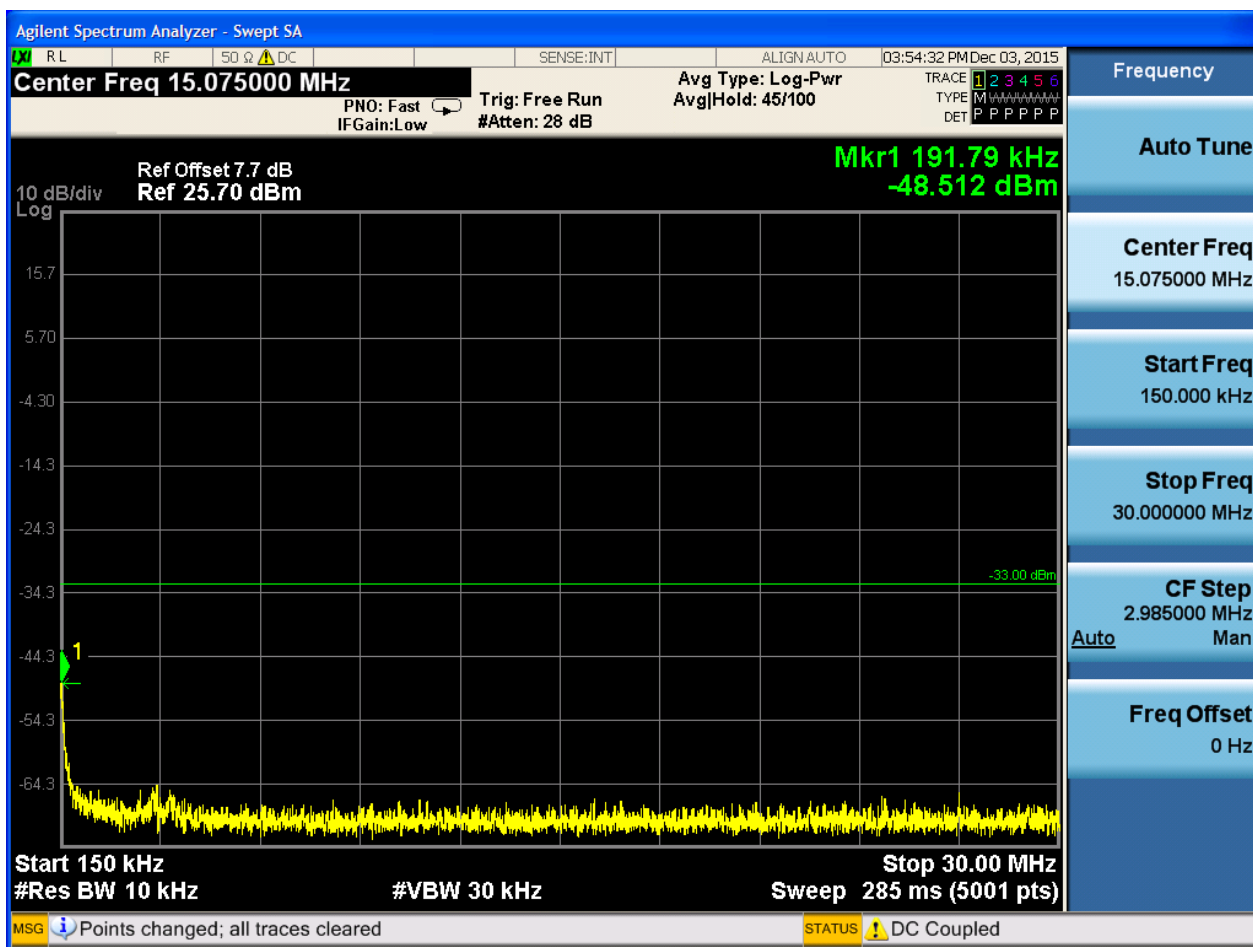


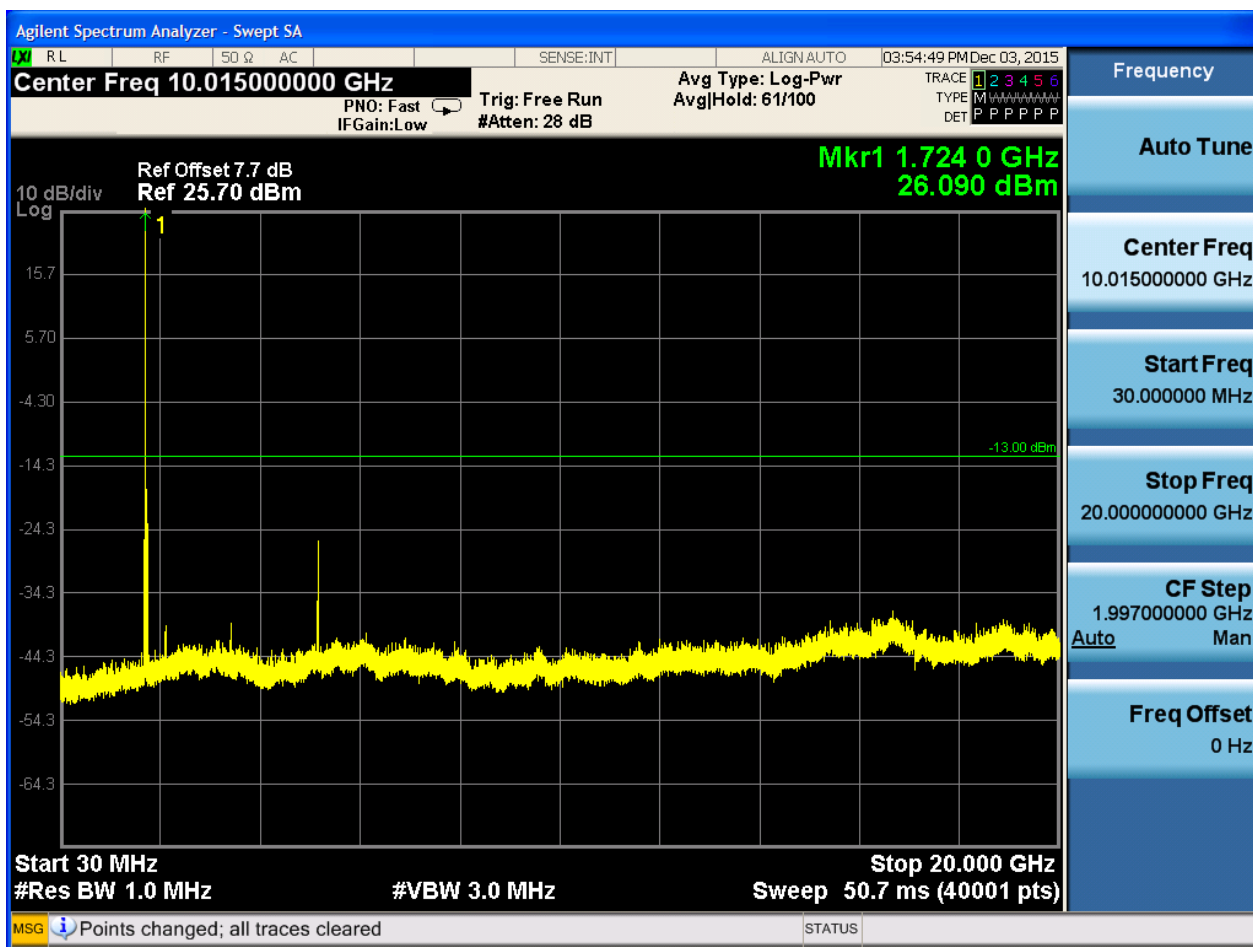


## 6.1.1.2.6.2 Test Channel = MCH

## 6.1.1.2.6.2.1 Test RB = RB1#0



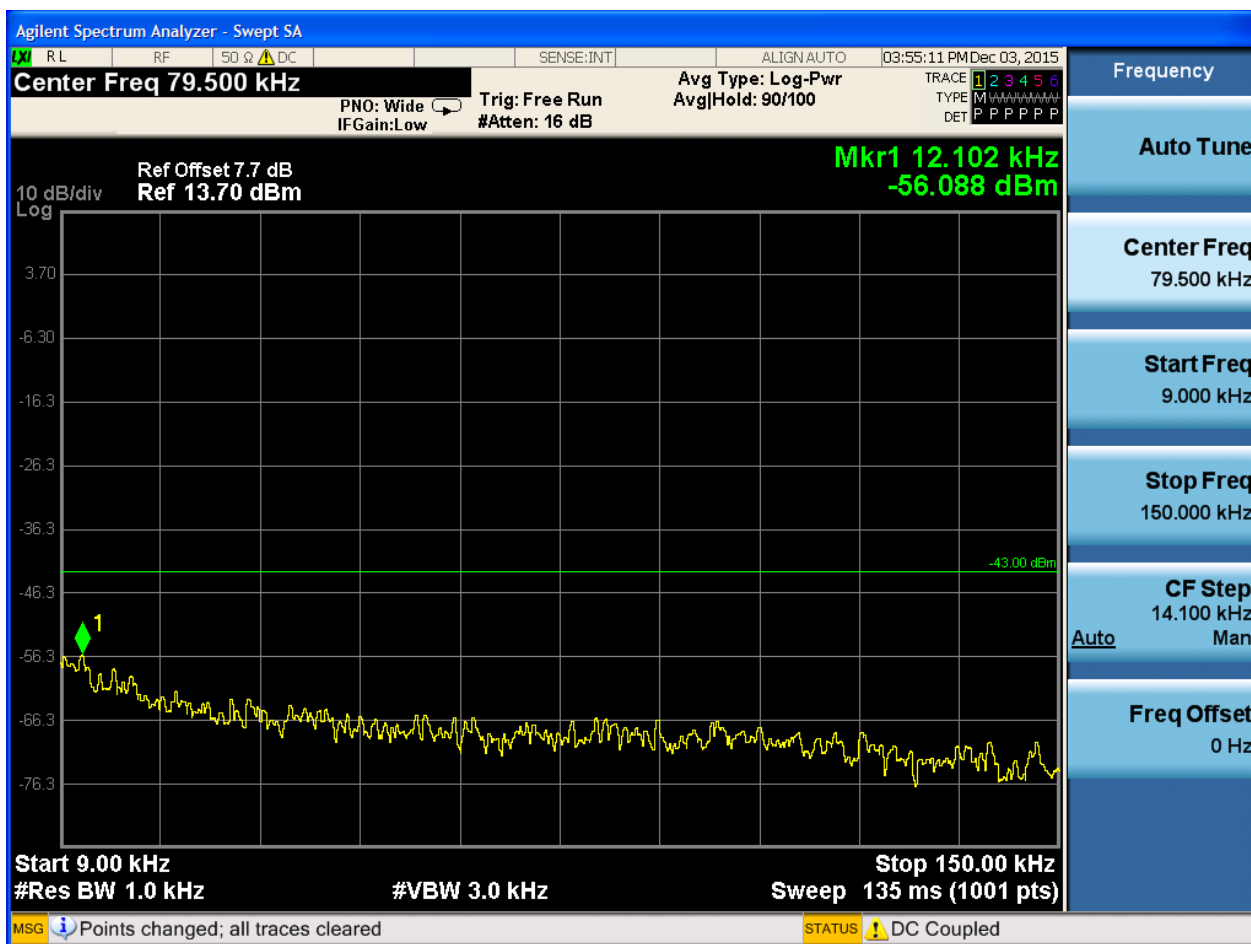


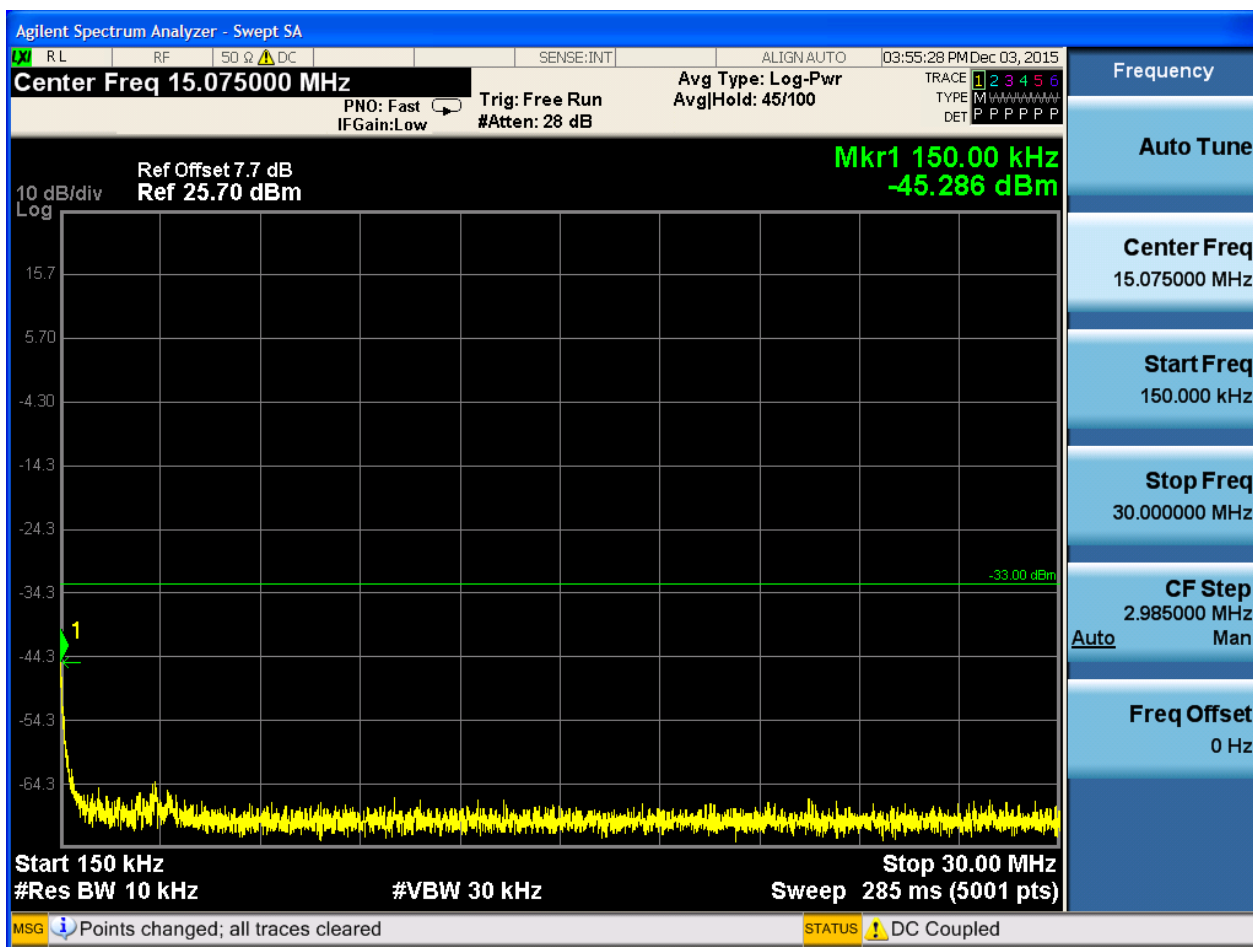


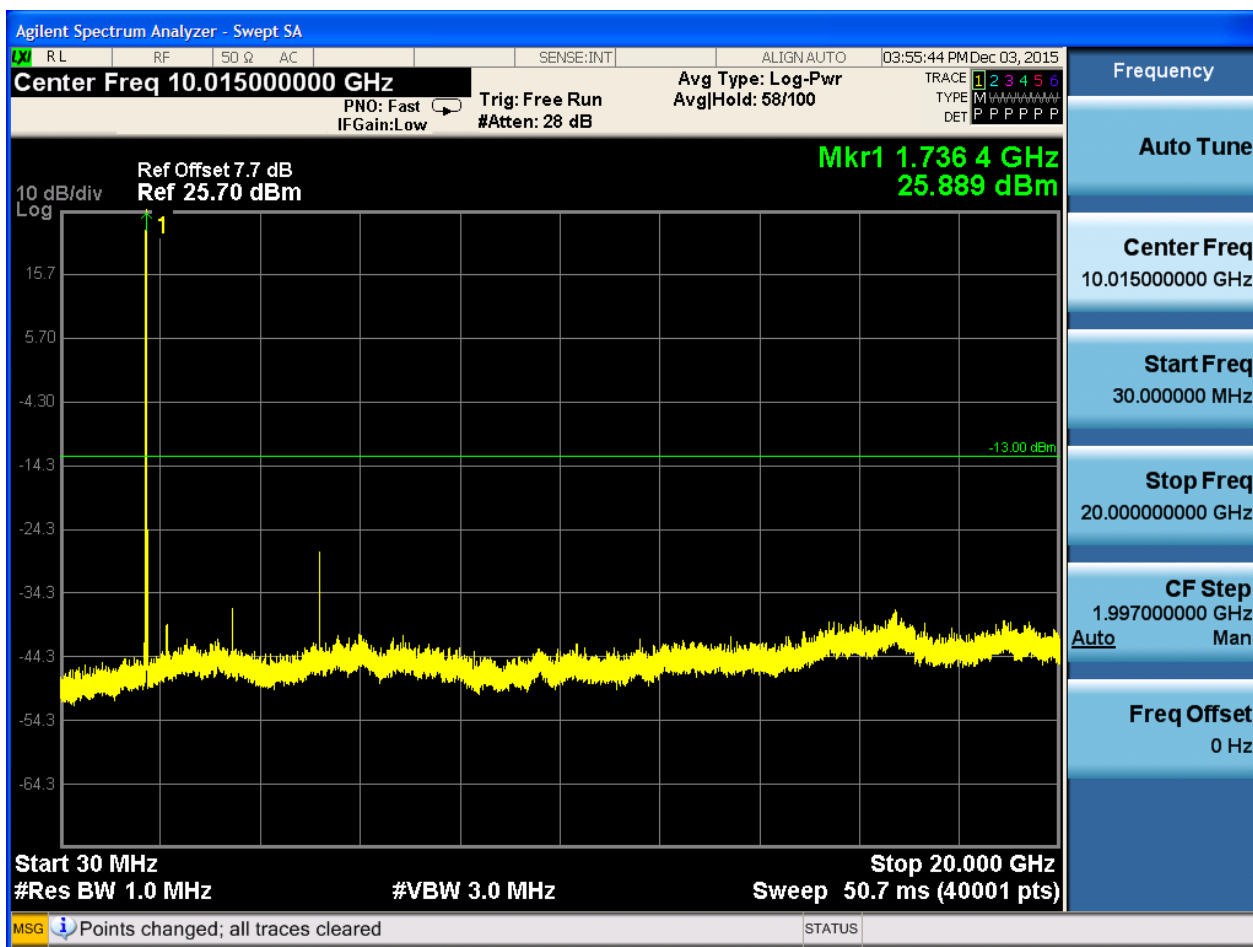


## 6.1.1.2.6.3 Test Channel = HCH

## 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

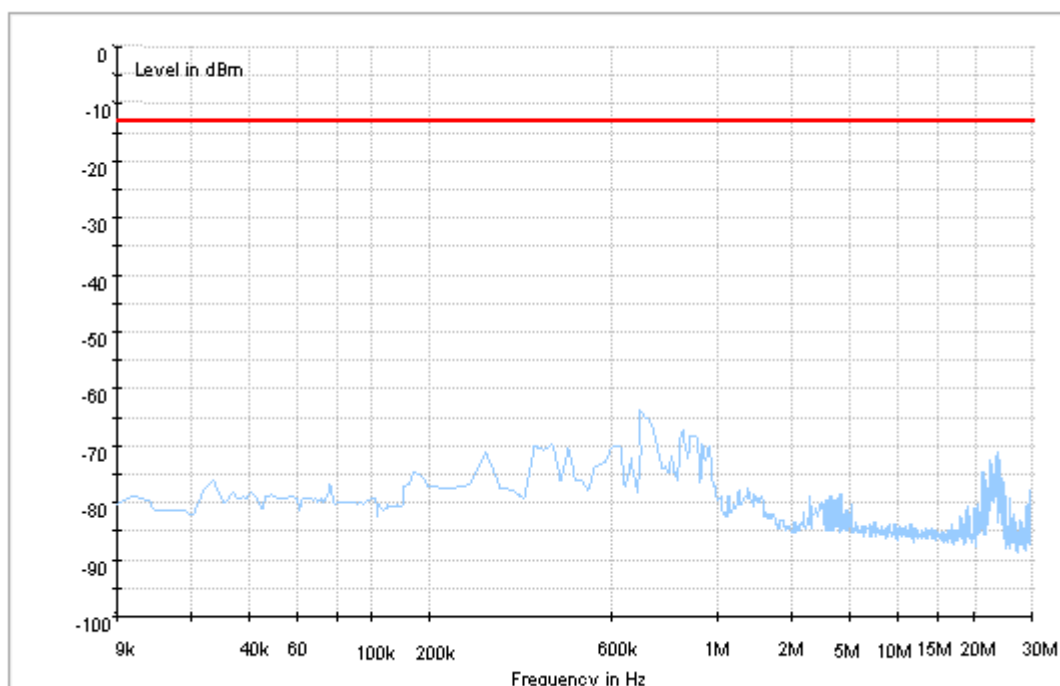
We tested all modes, but the data presented below is the worst case.

### Part I - Test Plots

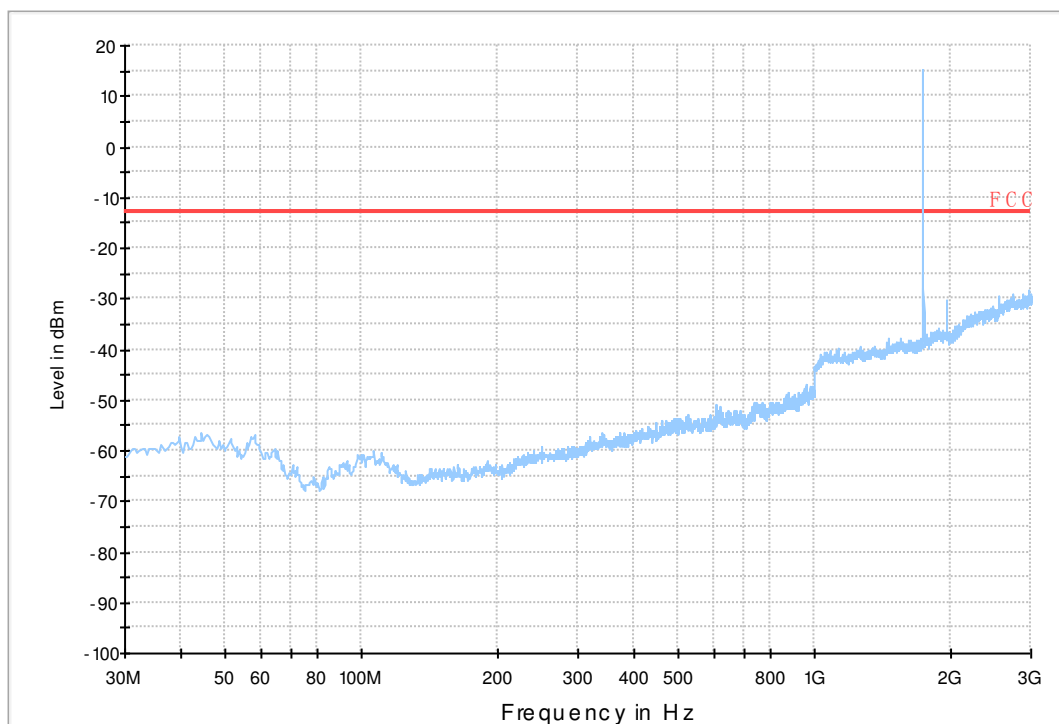
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND4

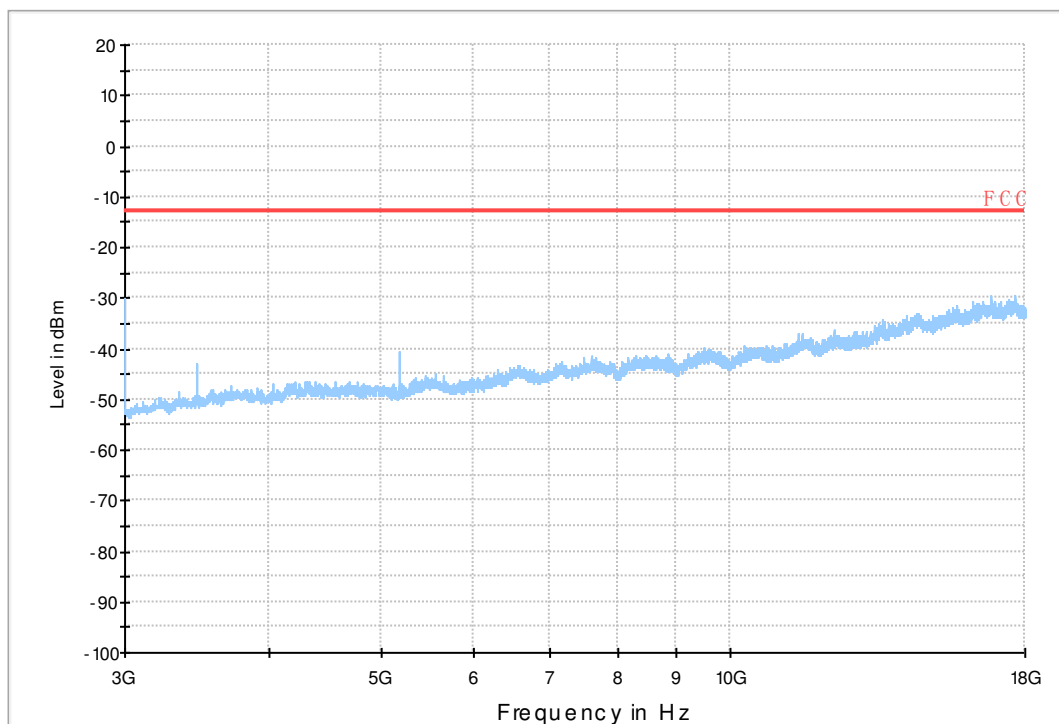
##### 7.1.1.1 Test Bandwidth = 1.4

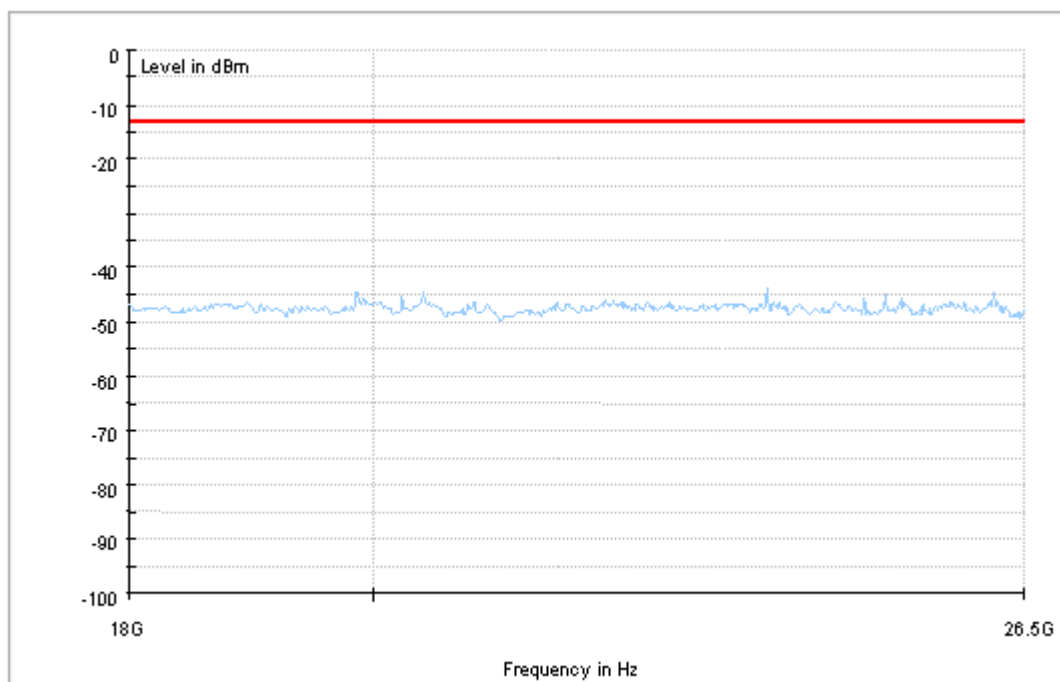


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

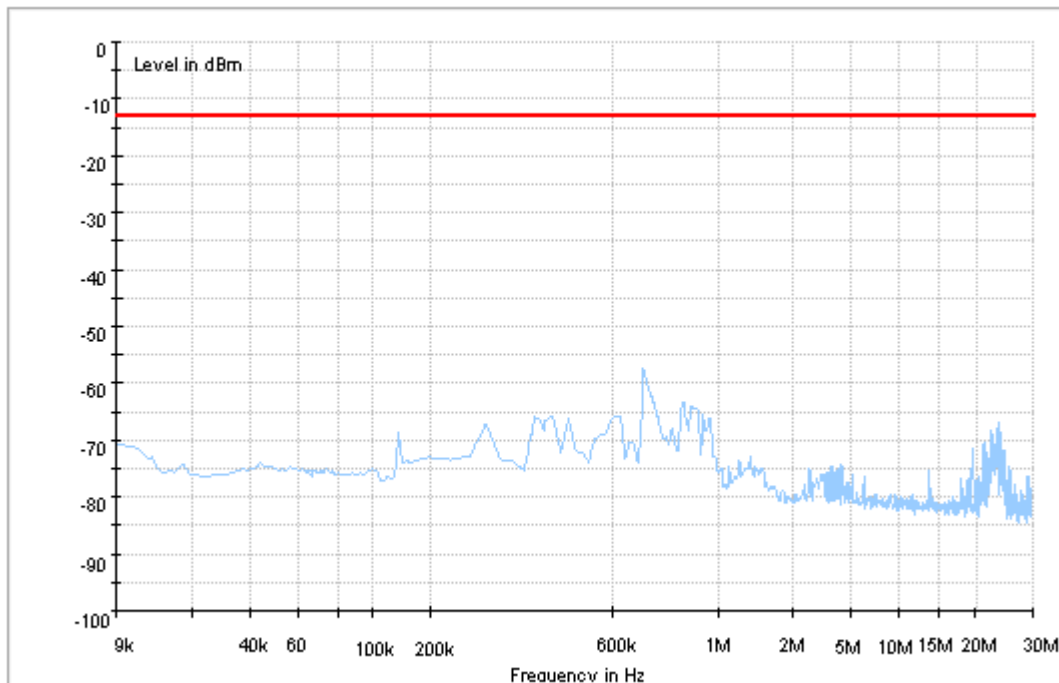


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

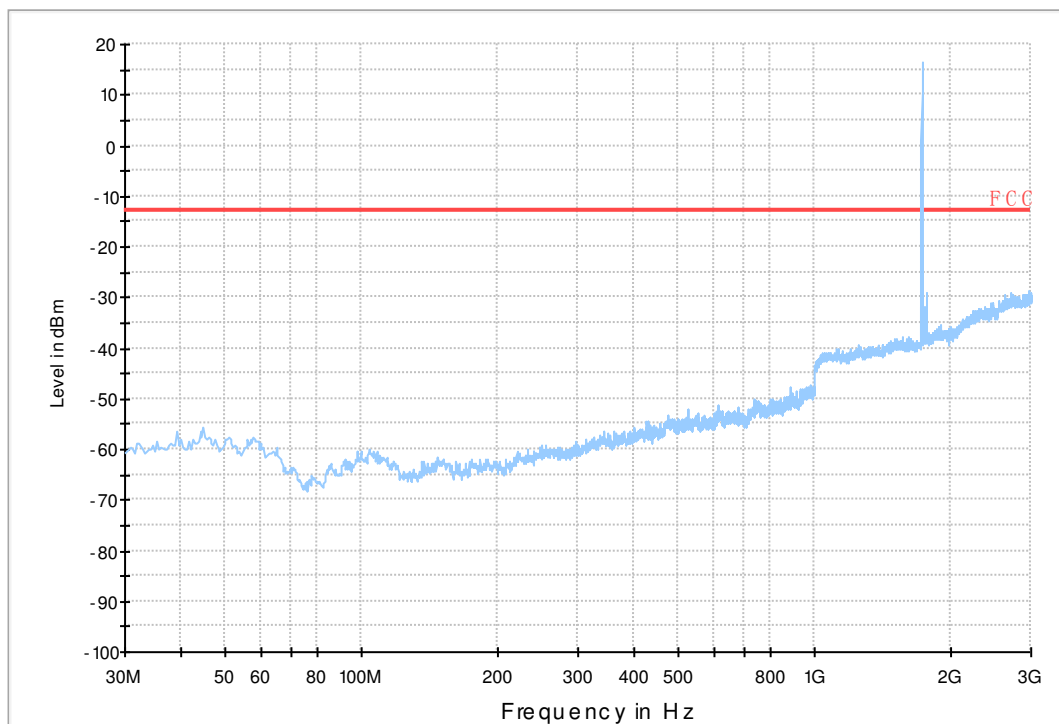




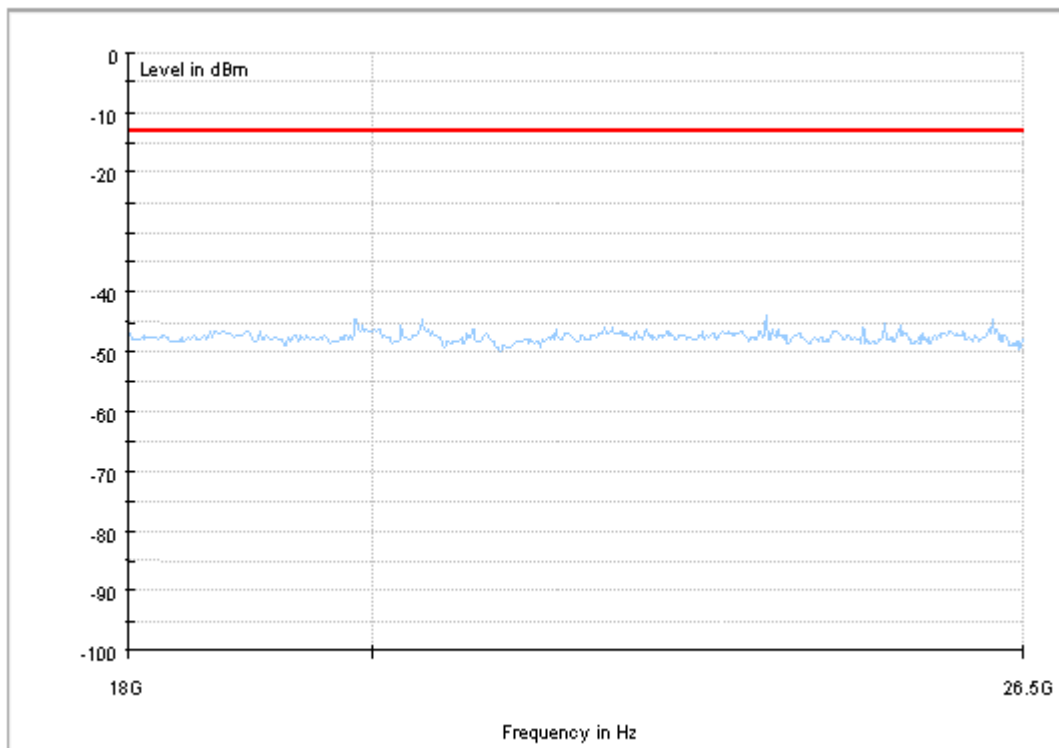
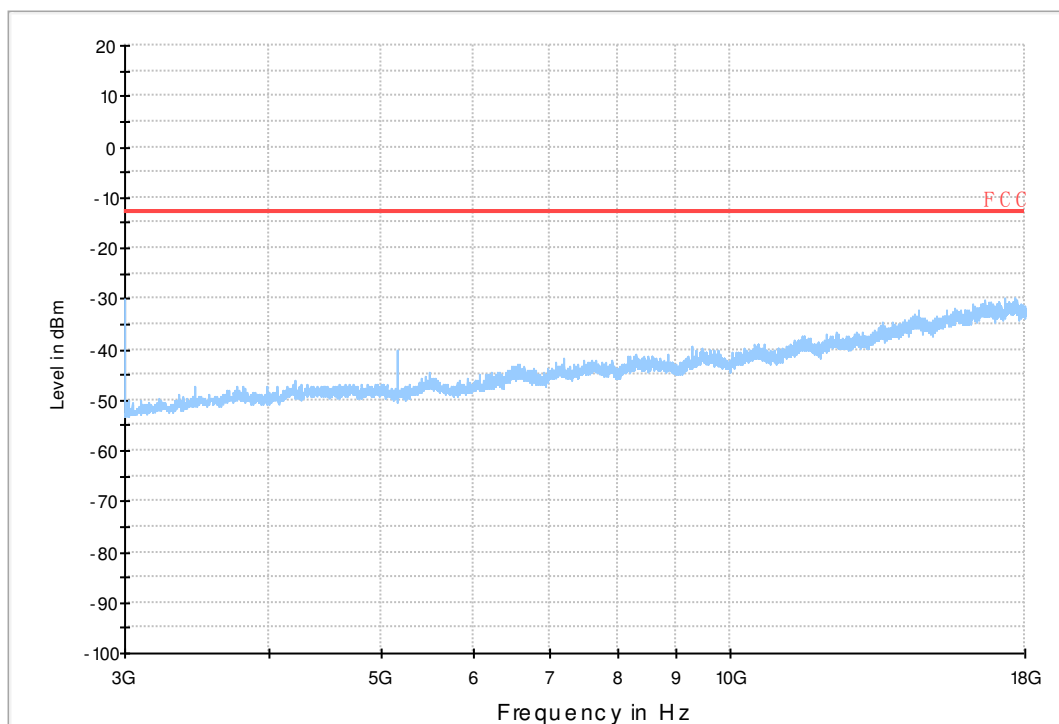
### 7.1.1.3 Test Bandwidth = 20



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



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



## 8Appendix\_H: Frequency Stability

### 8.1 For LTE

#### 8.1.1Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND4     | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | 0.41             | 0.00024               | PASS    |
|           |           |                      |              |            | VN         | 4.66             | 0.00272               | PASS    |
|           |           |                      |              |            | VH         | 1.97             | 0.00115               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 3.12             | 0.0018                | PASS    |
|           |           |                      |              |            | VN         | 3.1              | 0.00179               | PASS    |
|           |           |                      |              |            | VH         | 1.77             | 0.00102               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 2.98             | 0.0017                | PASS    |
|           |           |                      |              |            | VN         | 4.69             | 0.00267               | PASS    |
|           |           |                      |              |            | VH         | 3.09             | 0.00176               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -1.2             | -0.0007               | PASS    |
|           |           |                      |              |            | VN         | 4.25             | 0.00248               | PASS    |
|           |           |                      |              |            | VH         | 0.76             | 0.00044               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 2                | 0.00115               | PASS    |
|           |           |                      |              |            | VN         | 3.53             | 0.00204               | PASS    |
|           |           |                      |              |            | VH         | 2.99             | 0.00173               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.79             | 0.00045               | PASS    |
|           |           |                      |              |            | VN         | 1.44             | 0.00082               | PASS    |
|           |           |                      |              |            | VH         | 0.09             | 0.00005               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -1.69            | -0.00099              | PASS    |
|           |           |                      |              |            | VN         | 0.19             | 0.00011               | PASS    |
|           |           |                      |              |            | VH         | 1.07             | 0.00062               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 1.69             | 0.00098               | PASS    |
|           |           |                      |              |            | VN         | 1.24             | 0.00072               | PASS    |
|           |           |                      |              |            | VH         | 1.24             | 0.00072               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.27            | -0.00015              | PASS    |
|           |           |                      |              |            | VN         | -1.95            | -0.00111              | PASS    |
|           |           |                      |              |            | VH         | -2.57            | -0.00147              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | 1.23             | 0.00072               | PASS    |
|           |           |                      |              |            | VN         | 2.3              | 0.00134               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           | LTE/TM2   |                      | MCH          | TN         | VH         | 1.04             | 0.00061               | PASS    |
|           |           |                      |              |            | VL         | -0.36            | -0.00021              | PASS    |
|           |           |                      |              |            | VN         | 0.46             | 0.00027               | PASS    |
|           |           |                      |              |            | VH         | -1.23            | -0.00071              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 0.26             | 0.00015               | PASS    |
|           |           |                      |              |            | VN         | -0.46            | -0.00026              | PASS    |
|           |           |                      |              |            | VH         | -1.42            | -0.00081              | PASS    |
|           |           |                      | LCH          | TN         | VL         | 2.5              | 0.00146               | PASS    |
|           |           |                      |              |            | VN         | 1.57             | 0.00091               | PASS    |
|           |           |                      |              |            | VH         | 4.36             | 0.00254               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 2.62             | 0.00151               | PASS    |
|           |           |                      |              |            | VN         | 2.22             | 0.00128               | PASS    |
|           |           |                      |              |            | VH         | -0.21            | -0.00012              | PASS    |
|           |           | 15                   | HCH          | TN         | VL         | -1.83            | -0.00105              | PASS    |
|           |           |                      |              |            | VN         | 0.27             | 0.00015               | PASS    |
|           |           |                      |              |            | VH         | -3.18            | -0.00182              | PASS    |
|           |           |                      | LCH          | TN         | VL         | 2.32             | 0.00135               | PASS    |
|           |           |                      |              |            | VN         | 4.29             | 0.00249               | PASS    |
|           |           |                      |              |            | VH         | 0.14             | 0.00008               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 3.32             | 0.00192               | PASS    |
|           |           |                      |              |            | VN         | 3.09             | 0.00178               | PASS    |
|           |           |                      |              |            | VH         | 1.57             | 0.00091               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 4.59             | 0.00263               | PASS    |
|           |           |                      |              |            | VN         | 1.26             | 0.00072               | PASS    |
|           |           |                      |              |            | VH         | 4.23             | 0.00242               | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | 2.3              | 0.00134               | PASS    |
|           |           |                      |              |            | VN         | 4.56             | 0.00267               | PASS    |
|           |           |                      |              |            | VH         | -2.35            | -0.00137              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 4.18             | 0.00241               | PASS    |
|           |           |                      |              |            | VN         | 5.09             | 0.00294               | PASS    |
|           |           |                      |              |            | VH         | 2.52             | 0.00145               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.39             | 0.00079               | PASS    |
|           |           |                      |              |            | VN         | 3.03             | 0.00173               | PASS    |
|           |           |                      |              |            | VH         | 1.53             | 0.00087               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | 1.2              | 0.0007                | PASS    |
|           |           |                      |              |            | VN         | 8.57             | 0.00501               | PASS    |
|           |           |                      |              |            | VH         | 9.21             | 0.00538               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 6.44             | 0.00372               | PASS    |
|           |           |                      |              |            | VN         | 7.81             | 0.00451               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | TN         | VH         | 1.96             | 0.00113               | PASS    |
|           |           |                      |              |            | VL         | 2.88             | 0.00164               | PASS    |
|           |           |                      |              |            | VN         | 2                | 0.00114               | PASS    |
|           |           |                      |              |            | VH         | 2.69             | 0.00153               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | 3.6              | 0.0021                | PASS    |
|           |           |                      |              |            | VN         | 3.89             | 0.00227               | PASS    |
|           |           |                      |              |            | VH         | 1.85             | 0.00108               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 4.13             | 0.00238               | PASS    |
|           |           |                      |              |            | VN         | 1.33             | 0.00077               | PASS    |
|           |           |                      |              |            | VH         | 0.41             | 0.00024               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 2.5              | 0.00143               | PASS    |
|           |           |                      |              |            | VN         | -1.47            | -0.00084              | PASS    |
|           |           |                      |              |            | VH         | 0.29             | 0.00017               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -0.1             | -0.00006              | PASS    |
|           |           |                      |              |            | VN         | -0.39            | -0.00023              | PASS    |
|           |           |                      |              |            | VH         | -1.3             | -0.00076              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 5.09             | 0.00294               | PASS    |
|           |           |                      |              |            | VN         | 2.6              | 0.0015                | PASS    |
|           |           |                      |              |            | VH         | 1.59             | 0.00092               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.66            | -0.00038              | PASS    |
|           |           |                      |              |            | VN         | -0.27            | -0.00015              | PASS    |
|           |           |                      |              |            | VH         | -1.29            | -0.00074              | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | 3.22             | 0.00187               | PASS    |
|           |           |                      |              |            | VN         | 1.09             | 0.00063               | PASS    |
|           |           |                      |              |            | VH         | 0.13             | 0.00008               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 4.21             | 0.00243               | PASS    |
|           |           |                      |              |            | VN         | 1.54             | 0.00089               | PASS    |
|           |           |                      |              |            | VH         | 0.76             | 0.00044               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 3.72             | 0.00213               | PASS    |
|           |           |                      |              |            | VN         | -2.53            | -0.00145              | PASS    |
|           |           |                      |              |            | VH         | -1.46            | -0.00084              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | 1.36             | 0.00079               | PASS    |
|           |           |                      |              |            | VN         | -0.2             | -0.00012              | PASS    |
|           |           |                      |              |            | VH         | 3                | 0.00174               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 4.45             | 0.00257               | PASS    |
|           |           |                      |              |            | VN         | 0.51             | 0.00029               | PASS    |
|           |           |                      |              |            | VH         | 1.77             | 0.00102               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 2.22             | 0.00127               | PASS    |
|           |           |                      |              |            | VN         | 1.4              | 0.0008                | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VH         | 2.6              | 0.00149               | PASS    |

### 8.1.2Frequency Error vs. Temperature:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND4     | LTE/TM1   | 1.4                  | LCH          | VN         | -30        | -0.17            | -0.0001               | PASS    |
|           |           |                      |              |            | -20        | 7.21             | 0.00421               | PASS    |
|           |           |                      |              |            | -10        | 7.2              | 0.00421               | PASS    |
|           |           |                      |              |            | 0          | 9.06             | 0.0053                | PASS    |
|           |           |                      |              |            | 10         | 4.39             | 0.00257               | PASS    |
|           |           |                      |              |            | 20         | 3.65             | 0.00213               | PASS    |
|           |           |                      |              |            | 30         | 1.3              | 0.00076               | PASS    |
|           |           |                      |              |            | 40         | 4.28             | 0.0025                | PASS    |
|           |           |                      |              |            | 50         | 1.5              | 0.00088               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 0.73             | 0.00042               | PASS    |
|           |           |                      |              |            | -20        | 2.95             | 0.0017                | PASS    |
|           |           |                      |              |            | -10        | 2.57             | 0.00148               | PASS    |
|           |           |                      |              |            | 0          | 3.98             | 0.0023                | PASS    |
|           |           |                      |              |            | 10         | 0.31             | 0.00018               | PASS    |
|           |           |                      |              |            | 20         | 0.03             | 0.00002               | PASS    |
|           |           |                      |              |            | 30         | 0.46             | 0.00027               | PASS    |
|           |           |                      |              |            | 40         | -0.51            | -0.00029              | PASS    |
|           |           |                      |              |            | 50         | 1.06             | 0.00061               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 1.02             | 0.00058               | PASS    |
|           |           |                      |              |            | -20        | 2.9              | 0.00165               | PASS    |
|           |           |                      |              |            | -10        | 3.56             | 0.00203               | PASS    |
|           |           |                      |              |            | 0          | 1.44             | 0.00082               | PASS    |
|           |           |                      |              |            | 10         | 1.3              | 0.00074               | PASS    |
|           |           |                      |              |            | 20         | -0.93            | -0.00053              | PASS    |
|           |           |                      |              |            | 30         | 1.9              | 0.00108               | PASS    |
|           |           |                      |              |            | 40         | -0.11            | -0.00006              | PASS    |
|           |           |                      |              |            | 50         | -0.37            | -0.00021              | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | 1.46             | 0.00085               | PASS    |
|           |           |                      |              |            | -20        | 2.06             | 0.0012                | PASS    |
|           |           |                      |              |            | -10        | 3.48             | 0.00203               | PASS    |
|           |           |                      |              |            | 0          | 2.43             | 0.00142               | PASS    |
|           |           |                      |              |            | 10         | 3.46             | 0.00202               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20         | 3.62             | 0.00212               | PASS    |
|           |           |                      |              |            | 30         | 1.97             | 0.00115               | PASS    |
|           |           |                      |              |            | 40         | -0.51            | -0.0003               | PASS    |
|           |           |                      |              |            | 50         | 0.11             | 0.00006               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 0.07             | 0.00004               | PASS    |
|           |           |                      |              |            | -20        | 2.78             | 0.0016                | PASS    |
|           |           |                      |              |            | -10        | 4.23             | 0.00244               | PASS    |
|           |           |                      |              |            | 0          | 3.03             | 0.00175               | PASS    |
|           |           |                      |              |            | 10         | 0.49             | 0.00028               | PASS    |
|           |           |                      |              |            | 20         | 0.62             | 0.00036               | PASS    |
|           |           |                      |              |            | 30         | 1.72             | 0.00099               | PASS    |
|           |           |                      |              |            | 40         | -1.37            | -0.00079              | PASS    |
|           |           |                      |              |            | 50         | 0.56             | 0.00032               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 3.56             | 0.00203               | PASS    |
|           |           |                      |              |            | -20        | 3.08             | 0.00176               | PASS    |
|           |           |                      |              |            | -10        | -0.77            | -0.00044              | PASS    |
|           |           |                      |              |            | 0          | -0.27            | -0.00015              | PASS    |
|           |           |                      |              |            | 10         | 1.66             | 0.00095               | PASS    |
|           |           |                      |              |            | 20         | 1.53             | 0.00087               | PASS    |
|           |           |                      |              |            | 30         | -0.11            | -0.00006              | PASS    |
|           |           |                      |              |            | 40         | 0.83             | 0.00047               | PASS    |
|           |           |                      |              |            | 50         | 0.84             | 0.00048               | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | 0.77             | 0.00045               | PASS    |
|           |           |                      |              |            | -20        | 3.63             | 0.00212               | PASS    |
|           |           |                      |              |            | -10        | 1.14             | 0.00067               | PASS    |
|           |           |                      |              |            | 0          | 0.49             | 0.00029               | PASS    |
|           |           |                      |              |            | 10         | -1.37            | -0.0008               | PASS    |
|           |           |                      |              |            | 20         | -0.72            | -0.00042              | PASS    |
|           |           |                      |              |            | 30         | -1.12            | -0.00065              | PASS    |
|           |           |                      |              |            | 40         | -1.26            | -0.00074              | PASS    |
|           |           |                      |              |            | 50         | 0.44             | 0.00026               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 2.83             | 0.00163               | PASS    |
|           |           |                      |              |            | -20        | 4.79             | 0.00276               | PASS    |
|           |           |                      |              |            | -10        | 0.77             | 0.00044               | PASS    |
|           |           |                      |              |            | 0          | 1.75             | 0.00101               | PASS    |
|           |           |                      |              |            | 10         | 3.76             | 0.00217               | PASS    |
|           |           |                      |              |            | 20         | 1.97             | 0.00114               | PASS    |
|           |           |                      |              |            | 30         | 1.73             | 0.001                 | PASS    |
|           |           |                      |              |            | 40         | -0.97            | -0.00056              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | VN         | 50         | 2.13             | 0.00123               | PASS    |
|           |           |                      |              |            | -30        | -1.76            | -0.001                | PASS    |
|           |           |                      |              |            | -20        | -0.01            | -0.00001              | PASS    |
|           |           |                      |              |            | -10        | -2.06            | -0.00118              | PASS    |
|           |           |                      |              |            | 0          | -2.73            | -0.00156              | PASS    |
|           |           |                      |              |            | 10         | -3.76            | -0.00215              | PASS    |
|           |           |                      |              |            | 20         | -3.12            | -0.00178              | PASS    |
|           |           |                      |              |            | 30         | -1.42            | -0.00081              | PASS    |
|           |           |                      |              |            | 40         | -2.57            | -0.00147              | PASS    |
|           |           |                      |              |            | 50         | -3.82            | -0.00218              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | 2.73             | 0.00159               | PASS    |
|           |           |                      |              |            | -20        | 2.55             | 0.00149               | PASS    |
|           |           |                      |              |            | -10        | -0.6             | -0.00035              | PASS    |
|           |           |                      |              |            | 0          | 0.79             | 0.00046               | PASS    |
|           |           |                      |              |            | 10         | -2.26            | -0.00132              | PASS    |
|           |           |                      |              |            | 20         | 0.54             | 0.00031               | PASS    |
|           |           |                      |              |            | 30         | -0.9             | -0.00052              | PASS    |
|           |           |                      |              |            | 40         | 2.17             | 0.00127               | PASS    |
|           |           |                      |              |            | 50         | -0.53            | -0.00031              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 0.7              | 0.0004                | PASS    |
|           |           |                      |              |            | -20        | 0.97             | 0.00056               | PASS    |
|           |           |                      |              |            | -10        | 0.57             | 0.00033               | PASS    |
|           |           |                      |              |            | 0          | 1.67             | 0.00096               | PASS    |
|           |           |                      |              |            | 10         | 1.96             | 0.00113               | PASS    |
|           |           |                      |              |            | 20         | 0.04             | 0.00002               | PASS    |
|           |           |                      |              |            | 30         | 1                | 0.00058               | PASS    |
|           |           |                      |              |            | 40         | 0.54             | 0.00031               | PASS    |
|           |           |                      |              |            | 50         | 1.39             | 0.0008                | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.82             | 0.00047               | PASS    |
|           |           |                      |              |            | -20        | 0.24             | 0.00014               | PASS    |
|           |           |                      |              |            | -10        | 3.29             | 0.00188               | PASS    |
|           |           |                      |              |            | 0          | 0.82             | 0.00047               | PASS    |
|           |           |                      |              |            | 10         | -1.34            | -0.00077              | PASS    |
|           |           |                      |              |            | 20         | 0.13             | 0.00007               | PASS    |
|           |           |                      |              |            | 30         | -2               | -0.00114              | PASS    |
|           |           |                      |              |            | 40         | -2.43            | -0.00139              | PASS    |
|           |           |                      |              |            | 50         | -1.65            | -0.00094              | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | 0.21             | 0.00012               | PASS    |
|           |           |                      |              |            | -20        | -3.82            | -0.00222              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -10        | -6.67            | -0.00388              | PASS    |
|           |           |                      |              |            | 0          | -1.77            | -0.00103              | PASS    |
|           |           |                      |              |            | 10         | -3.73            | -0.00217              | PASS    |
|           |           |                      |              |            | 20         | -0.92            | -0.00054              | PASS    |
|           |           |                      |              |            | 30         | 1.82             | 0.00106               | PASS    |
|           |           |                      |              |            | 40         | -3.1             | -0.0018               | PASS    |
|           |           |                      |              |            | 50         | -2.35            | -0.00137              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.56             | 0.0009                | PASS    |
|           |           |                      |              |            | -20        | 1.69             | 0.00098               | PASS    |
|           |           |                      |              |            | -10        | 1.75             | 0.00101               | PASS    |
|           |           |                      |              |            | 0          | 2.39             | 0.00138               | PASS    |
|           |           |                      |              |            | 10         | -0.87            | -0.0005               | PASS    |
|           |           |                      |              |            | 20         | 1.75             | 0.00101               | PASS    |
|           |           |                      |              |            | 30         | 3.4              | 0.00196               | PASS    |
|           |           |                      |              |            | 40         | -1.65            | -0.00095              | PASS    |
|           |           |                      |              |            | 50         | 0.53             | 0.00031               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.44            | -0.00025              | PASS    |
|           |           |                      |              |            | -20        | 3.49             | 0.002                 | PASS    |
|           |           |                      |              |            | -10        | 3.66             | 0.00209               | PASS    |
|           |           |                      |              |            | 0          | 2.92             | 0.00167               | PASS    |
|           |           |                      |              |            | 10         | -0.96            | -0.00055              | PASS    |
|           |           |                      |              |            | 20         | -1.33            | -0.00076              | PASS    |
|           |           |                      |              |            | 30         | -1.95            | -0.00112              | PASS    |
|           |           |                      |              |            | 40         | -1.75            | -0.001                | PASS    |
|           |           |                      |              |            | 50         | 8.27             | 0.00473               | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | 1.69             | 0.00098               | PASS    |
|           |           |                      |              |            | -20        | 0.03             | 0.00002               | PASS    |
|           |           |                      |              |            | -10        | -1.17            | -0.00068              | PASS    |
|           |           |                      |              |            | 0          | 0.03             | 0.00002               | PASS    |
|           |           |                      |              |            | 10         | -1.75            | -0.00102              | PASS    |
|           |           |                      |              |            | 20         | -3.76            | -0.00219              | PASS    |
|           |           |                      |              |            | 30         | -1.24            | -0.00072              | PASS    |
|           |           |                      |              |            | 40         | 5.68             | 0.0033                | PASS    |
|           |           |                      |              |            | 50         | 2.27             | 0.00132               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 0.21             | 0.00012               | PASS    |
|           |           |                      |              |            | -20        | 1.37             | 0.00079               | PASS    |
|           |           |                      |              |            | -10        | -0.04            | -0.00002              | PASS    |
|           |           |                      |              |            | 0          | 1.67             | 0.00097               | PASS    |
|           |           |                      |              |            | 10         | -2.25            | -0.0013               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20         | -0.84            | -0.00048              | PASS    |
|           |           |                      |              |            | 30         | 0.72             | 0.00042               | PASS    |
|           |           |                      |              |            | 40         | -1               | -0.00058              | PASS    |
|           |           |                      |              |            | 50         | -1.54            | -0.00089              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.97             | 0.00056               | PASS    |
|           |           |                      |              |            | -20        | 1.29             | 0.00074               | PASS    |
|           |           |                      |              |            | -10        | 2.69             | 0.00154               | PASS    |
|           |           |                      |              |            | 0          | 1.47             | 0.00084               | PASS    |
|           |           |                      |              |            | 10         | 2                | 0.00115               | PASS    |
|           |           |                      |              |            | 20         | -0.06            | -0.00003              | PASS    |
|           |           |                      |              |            | 30         | -0.1             | -0.00006              | PASS    |
|           |           |                      |              |            | 40         | -0.24            | -0.00014              | PASS    |
|           |           |                      |              |            | 50         | -1.56            | -0.00089              | PASS    |
|           |           |                      | LCH          | VN         | -30        | -3.03            | -0.00177              | PASS    |
|           |           |                      |              |            | -20        | 6.04             | 0.00353               | PASS    |
|           |           |                      |              |            | -10        | 7.04             | 0.00412               | PASS    |
|           |           |                      |              |            | 0          | 4.61             | 0.00269               | PASS    |
|           |           |                      |              |            | 10         | -0.03            | -0.00002              | PASS    |
|           |           |                      |              |            | 20         | 3.85             | 0.00225               | PASS    |
|           |           |                      |              |            | 30         | 1.63             | 0.00095               | PASS    |
|           |           |                      |              |            | 40         | 0.43             | 0.00025               | PASS    |
|           |           |                      |              |            | 50         | -0.14            | -0.00008              | PASS    |
|           | LTE/TM2   | 1.4                  | MCH          | VN         | -30        | 3.19             | 0.00184               | PASS    |
|           |           |                      |              |            | -20        | 5.41             | 0.00312               | PASS    |
|           |           |                      |              |            | -10        | 5.64             | 0.00326               | PASS    |
|           |           |                      |              |            | 0          | 3.12             | 0.0018                | PASS    |
|           |           |                      |              |            | 10         | 2.47             | 0.00143               | PASS    |
|           |           |                      |              |            | 20         | 2.96             | 0.00171               | PASS    |
|           |           |                      |              |            | 30         | 1.79             | 0.00103               | PASS    |
|           |           |                      |              |            | 40         | 2.42             | 0.0014                | PASS    |
|           |           |                      |              |            | 50         | 2.45             | 0.00141               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 2.1              | 0.0012                | PASS    |
|           |           |                      |              |            | -20        | 4.92             | 0.0028                | PASS    |
|           |           |                      |              |            | -10        | 0.74             | 0.00042               | PASS    |
|           |           |                      |              |            | 0          | 1.23             | 0.0007                | PASS    |
|           |           |                      |              |            | 10         | 0.62             | 0.00035               | PASS    |
|           |           |                      |              |            | 20         | -0.46            | -0.00026              | PASS    |
|           |           |                      |              |            | 30         | -2.85            | -0.00162              | PASS    |
|           |           |                      |              |            | 40         | -3.29            | -0.00188              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           | 3                    | LCH          | VN         | 50         | -2.19            | -0.00125              | PASS    |
|           |           |                      |              |            | -30        | 0.4              | 0.00023               | PASS    |
|           |           |                      |              |            | -20        | 6.9              | 0.00403               | PASS    |
|           |           |                      |              |            | -10        | 6.92             | 0.00404               | PASS    |
|           |           |                      |              |            | 0          | 3.13             | 0.00183               | PASS    |
|           |           |                      |              |            | 10         | 0.33             | 0.00019               | PASS    |
|           |           |                      |              |            | 20         | -1.44            | -0.00084              | PASS    |
|           |           |                      |              |            | 30         | 0.89             | 0.00052               | PASS    |
|           |           |                      |              |            | 40         | -0.21            | -0.00012              | PASS    |
|           |           |                      |              |            | 50         | -0.33            | -0.00019              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 3.49             | 0.00201               | PASS    |
|           |           |                      |              |            | -20        | 4.05             | 0.00234               | PASS    |
|           |           |                      |              |            | -10        | 4.38             | 0.00253               | PASS    |
|           |           |                      |              |            | 0          | 2.33             | 0.00134               | PASS    |
|           |           |                      |              |            | 10         | -0.31            | -0.00018              | PASS    |
|           |           |                      |              |            | 20         | 2.32             | 0.00134               | PASS    |
|           |           |                      |              |            | 30         | 0.9              | 0.00052               | PASS    |
|           |           |                      |              |            | 40         | -1.19            | -0.00069              | PASS    |
|           |           |                      |              |            | 50         | -1.77            | -0.00102              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 6.32             | 0.0036                | PASS    |
|           |           |                      |              |            | -20        | 4.58             | 0.00261               | PASS    |
|           |           |                      |              |            | -10        | 2.09             | 0.00119               | PASS    |
|           |           |                      |              |            | 0          | 4.16             | 0.00237               | PASS    |
|           |           |                      |              |            | 10         | 4.28             | 0.00244               | PASS    |
|           |           |                      |              |            | 20         | 3.86             | 0.0022                | PASS    |
|           |           |                      |              |            | 30         | 0.46             | 0.00026               | PASS    |
|           |           |                      |              |            | 40         | 3.58             | 0.00204               | PASS    |
|           |           |                      |              |            | 50         | 2.92             | 0.00167               | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | 5.46             | 0.00319               | PASS    |
|           |           |                      |              |            | -20        | 2.59             | 0.00151               | PASS    |
|           |           |                      |              |            | -10        | 1.59             | 0.00093               | PASS    |
|           |           |                      |              |            | 0          | -0.63            | -0.00037              | PASS    |
|           |           |                      |              |            | 10         | 1.03             | 0.0006                | PASS    |
|           |           |                      |              |            | 20         | -1.42            | -0.00083              | PASS    |
|           |           |                      |              |            | 30         | -2.65            | -0.00155              | PASS    |
|           |           |                      |              |            | 40         | -1.97            | -0.00115              | PASS    |
|           |           |                      |              |            | 50         | -1.56            | -0.00091              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.63             | 0.00094               | PASS    |
|           |           |                      |              |            | -20        | 0.89             | 0.00051               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -10        | 2.07             | 0.00119               | PASS    |
|           |           |                      |              |            | 0          | -1.79            | -0.00103              | PASS    |
|           |           |                      |              |            | 10         | -1.02            | -0.00059              | PASS    |
|           |           |                      |              |            | 20         | -3.36            | -0.00194              | PASS    |
|           |           |                      |              |            | 30         | -2.9             | -0.00167              | PASS    |
|           |           |                      |              |            | 40         | -1.52            | -0.00088              | PASS    |
|           |           |                      |              |            | 50         | -0.49            | -0.00028              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 2.59             | 0.00148               | PASS    |
|           |           |                      |              |            | -20        | 1                | 0.00057               | PASS    |
|           |           |                      |              |            | -10        | -0.26            | -0.00015              | PASS    |
|           |           |                      |              |            | 0          | 0.82             | 0.00047               | PASS    |
|           |           |                      |              |            | 10         | -2.29            | -0.00131              | PASS    |
|           |           |                      |              |            | 20         | -0.6             | -0.00034              | PASS    |
|           |           |                      |              |            | 30         | 0.97             | 0.00055               | PASS    |
|           |           |                      |              |            | 40         | -2.46            | -0.0014               | PASS    |
|           |           |                      |              |            | 50         | -0.2             | -0.00011              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | 5.58             | 0.00325               | PASS    |
|           |           |                      |              |            | -20        | 1.24             | 0.00072               | PASS    |
|           |           |                      |              |            | -10        | -4.69            | -0.00273              | PASS    |
|           |           |                      |              |            | 0          | 1.67             | 0.00097               | PASS    |
|           |           |                      |              |            | 10         | 2.93             | 0.00171               | PASS    |
|           |           |                      |              |            | 20         | -1.52            | -0.00089              | PASS    |
|           |           |                      |              |            | 30         | -3.26            | -0.0019               | PASS    |
|           |           |                      |              |            | 40         | -0.97            | -0.00057              | PASS    |
|           |           |                      |              |            | 50         | -1.04            | -0.00061              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 2.55             | 0.00147               | PASS    |
|           |           |                      |              |            | -20        | -2.6             | -0.0015               | PASS    |
|           |           |                      |              |            | -10        | -0.23            | -0.00013              | PASS    |
|           |           |                      |              |            | 0          | 2.03             | 0.00117               | PASS    |
|           |           |                      |              |            | 10         | -2.92            | -0.00169              | PASS    |
|           |           |                      |              |            | 20         | -3.32            | -0.00192              | PASS    |
|           |           |                      |              |            | 30         | -2.82            | -0.00163              | PASS    |
|           |           |                      |              |            | 40         | -2.93            | -0.00169              | PASS    |
|           |           |                      |              |            | 50         | -2.93            | -0.00169              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 2.37             | 0.00135               | PASS    |
|           |           |                      |              |            | -20        | 1.39             | 0.00079               | PASS    |
|           |           |                      |              |            | -10        | 0.63             | 0.00036               | PASS    |
|           |           |                      |              |            | 0          | 0.34             | 0.00019               | PASS    |
|           |           |                      |              |            | 10         | -0.92            | -0.00053              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20         | 0.5              | 0.00029               | PASS    |
|           |           |                      |              |            | 30         | -3.5             | -0.002                | PASS    |
|           |           |                      |              |            | 40         | -1.65            | -0.00094              | PASS    |
|           |           |                      |              |            | 50         | 0.39             | 0.00022               | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | 1.02             | 0.00059               | PASS    |
|           |           |                      |              |            | -20        | -2.5             | -0.00146              | PASS    |
|           |           |                      |              |            | -10        | -1.53            | -0.00089              | PASS    |
|           |           |                      |              |            | 0          | -4.49            | -0.00261              | PASS    |
|           |           |                      |              |            | 10         | 0.07             | 0.00004               | PASS    |
|           |           |                      |              |            | 20         | -3.92            | -0.00228              | PASS    |
|           |           |                      |              |            | 30         | -3.03            | -0.00176              | PASS    |
|           |           |                      |              |            | 40         | -2.13            | -0.00124              | PASS    |
|           |           |                      |              |            | 50         | -3.86            | -0.00225              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 6.49             | 0.00375               | PASS    |
|           |           |                      |              |            | -20        | 0.94             | 0.00054               | PASS    |
|           |           |                      |              |            | -10        | 1.23             | 0.00071               | PASS    |
|           |           |                      |              |            | 0          | -1.14            | -0.00066              | PASS    |
|           |           |                      |              |            | 10         | -1.56            | -0.0009               | PASS    |
|           |           |                      |              |            | 20         | 1.46             | 0.00084               | PASS    |
|           |           |                      |              |            | 30         | 3.63             | 0.0021                | PASS    |
|           |           |                      |              |            | 40         | 1.46             | 0.00084               | PASS    |
|           |           |                      |              |            | 50         | -0.1             | -0.00006              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 2.3              | 0.00132               | PASS    |
|           |           |                      |              |            | -20        | 22.69            | 0.01298               | PASS    |
|           |           |                      |              |            | -10        | 13.26            | 0.00759               | PASS    |
|           |           |                      |              |            | 0          | 3.75             | 0.00215               | PASS    |
|           |           |                      |              |            | 10         | 8.58             | 0.00491               | PASS    |
|           |           |                      |              |            | 20         | 5.66             | 0.00324               | PASS    |
|           |           |                      |              |            | 30         | 23.23            | 0.01329               | PASS    |
|           |           |                      |              |            | 40         | -6.28            | -0.00359              | PASS    |
|           |           |                      |              |            | 50         | 16.01            | 0.00916               | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | -5.21            | -0.00303              | PASS    |
|           |           |                      |              |            | -20        | -4.61            | -0.00268              | PASS    |
|           |           |                      |              |            | -10        | 2.99             | 0.00174               | PASS    |
|           |           |                      |              |            | 0          | 3.35             | 0.00195               | PASS    |
|           |           |                      |              |            | 10         | 0.86             | 0.0005                | PASS    |
|           |           |                      |              |            | 20         | -0.66            | -0.00038              | PASS    |
|           |           |                      |              |            | 30         | 2.23             | 0.0013                | PASS    |
|           |           |                      |              |            | 40         | -3.4             | -0.00198              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | MCH          | VN         | 50         | 1.5              | 0.00087               | PASS    |
|           |           |                      |              |            | -30        | 4.39             | 0.00253               | PASS    |
|           |           |                      |              |            | -20        | 2.73             | 0.00158               | PASS    |
|           |           |                      |              |            | -10        | -0.29            | -0.00017              | PASS    |
|           |           |                      |              |            | 0          | 2.89             | 0.00167               | PASS    |
|           |           |                      |              |            | 10         | 4.38             | 0.00253               | PASS    |
|           |           |                      |              |            | 20         | 1.57             | 0.00091               | PASS    |
|           |           |                      |              |            | 30         | -1.14            | -0.00066              | PASS    |
|           |           |                      |              |            | 40         | 0.16             | 0.00009               | PASS    |
|           |           |                      |              |            | 50         | 0.67             | 0.00039               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.82             | 0.00047               | PASS    |
|           |           |                      |              |            | -20        | -2.03            | -0.00116              | PASS    |
|           |           |                      |              |            | -10        | -0.3             | -0.00017              | PASS    |
|           |           |                      |              |            | 0          | 0.43             | 0.00025               | PASS    |
|           |           |                      |              |            | 10         | 1.23             | 0.0007                | PASS    |
|           |           |                      |              |            | 20         | 0.94             | 0.00054               | PASS    |
|           |           |                      |              |            | 30         | 4.52             | 0.00259               | PASS    |
|           |           |                      |              |            | 40         | -1.13            | -0.00065              | PASS    |
|           |           |                      |              |            | 50         | 1.29             | 0.00074               | PASS    |

END