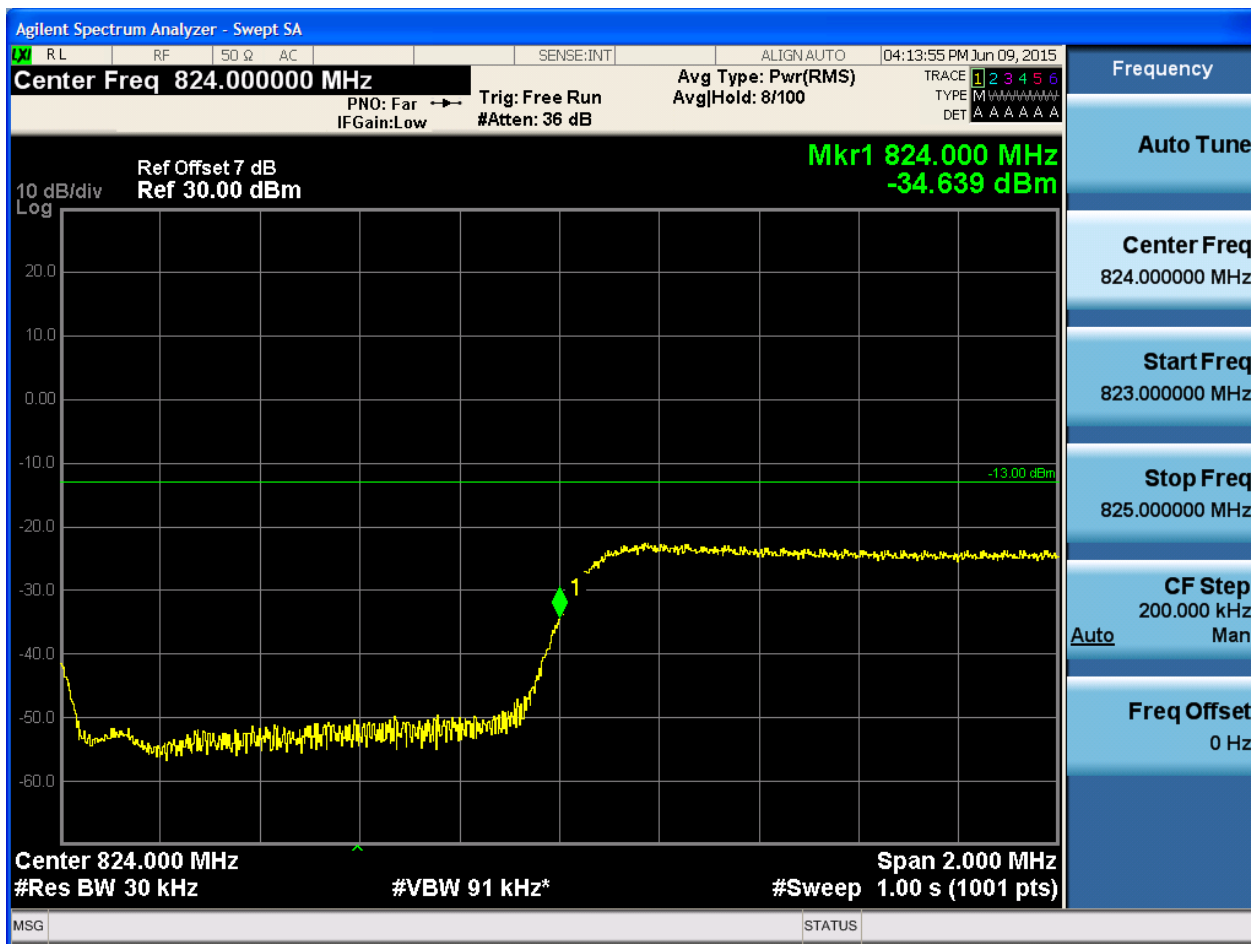


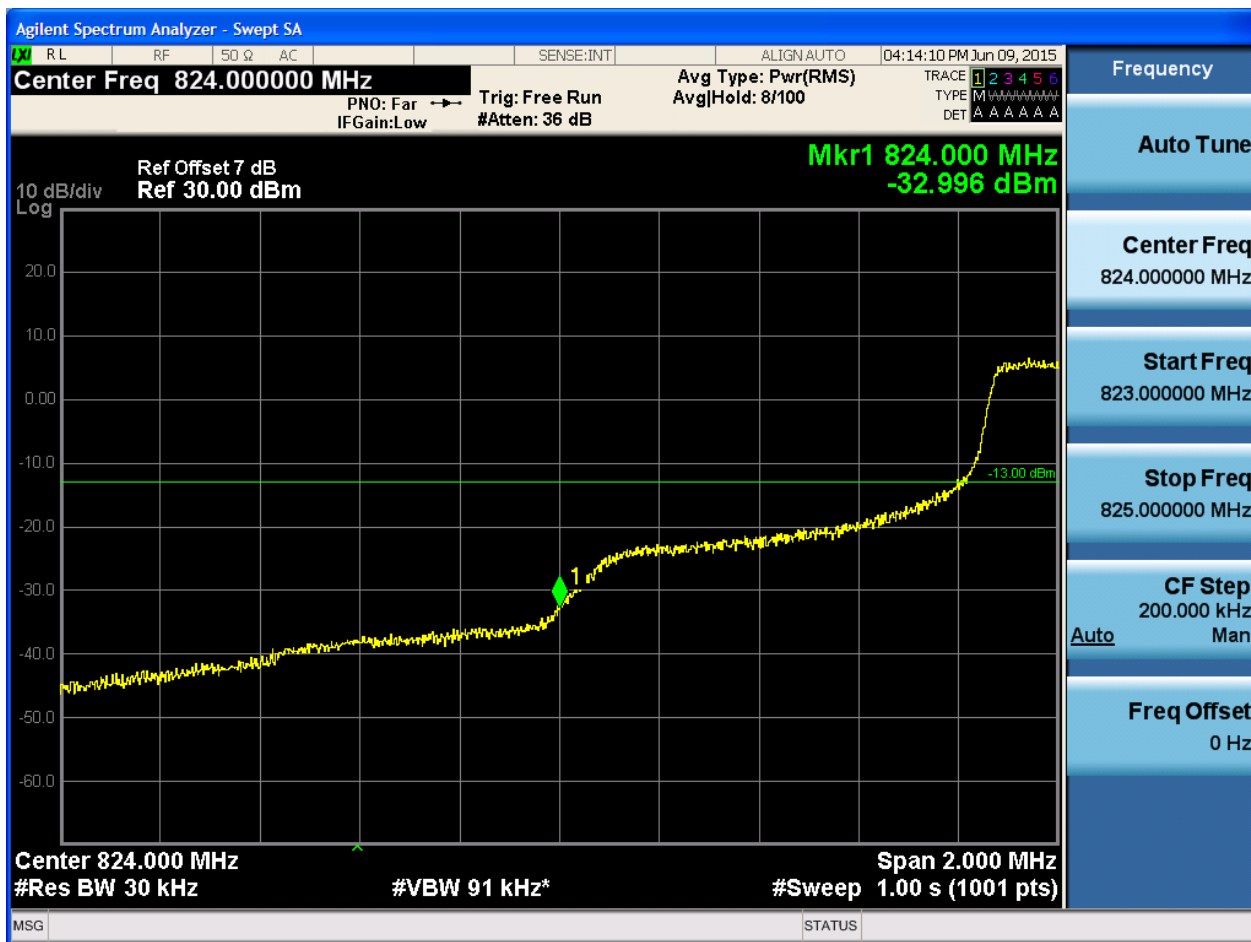


## 5.1.1.2.2.1.2 Test RB = RB1#14



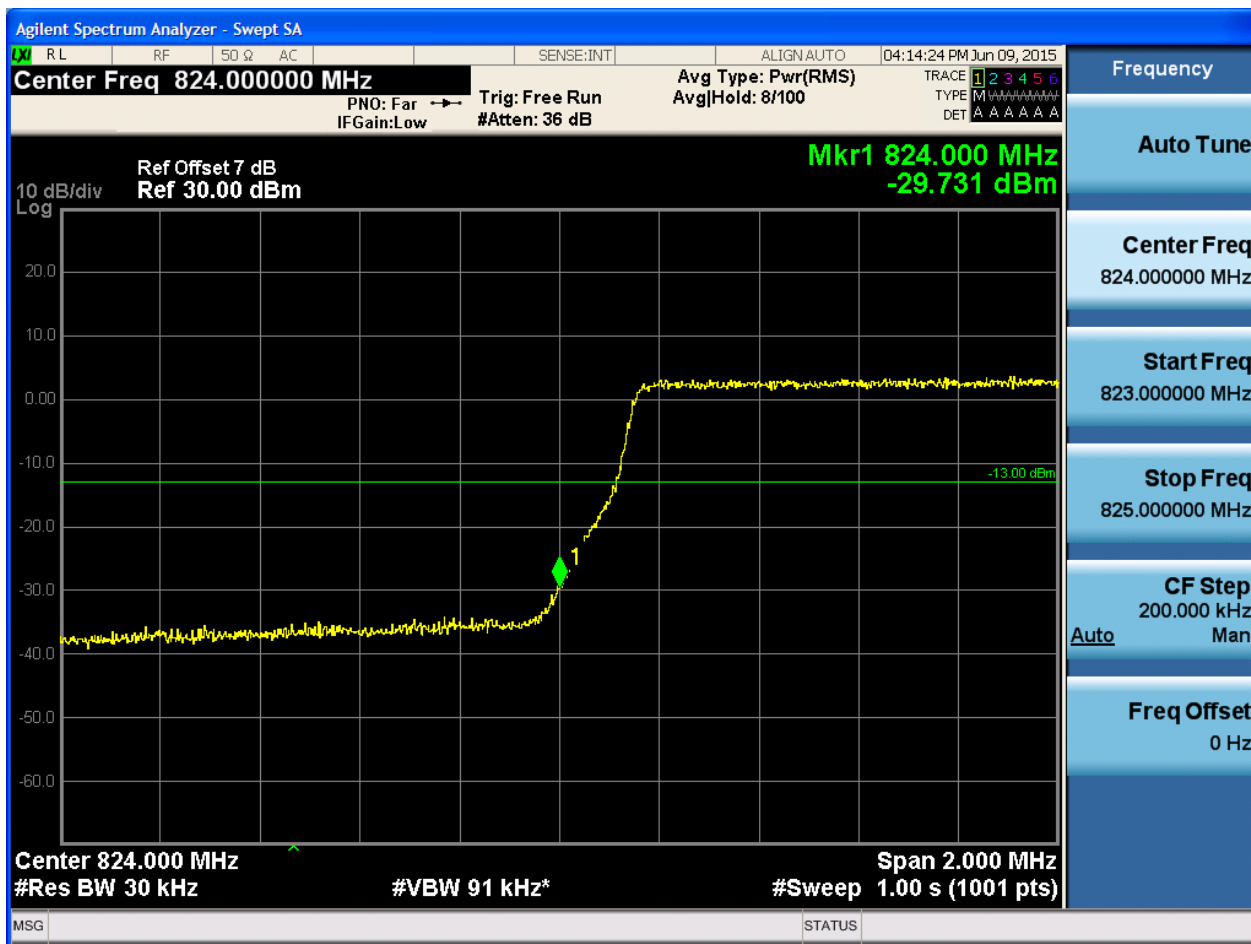


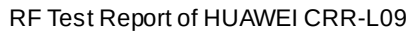
## 5.1.1.2.2.1.3 Test RB = RB8#4



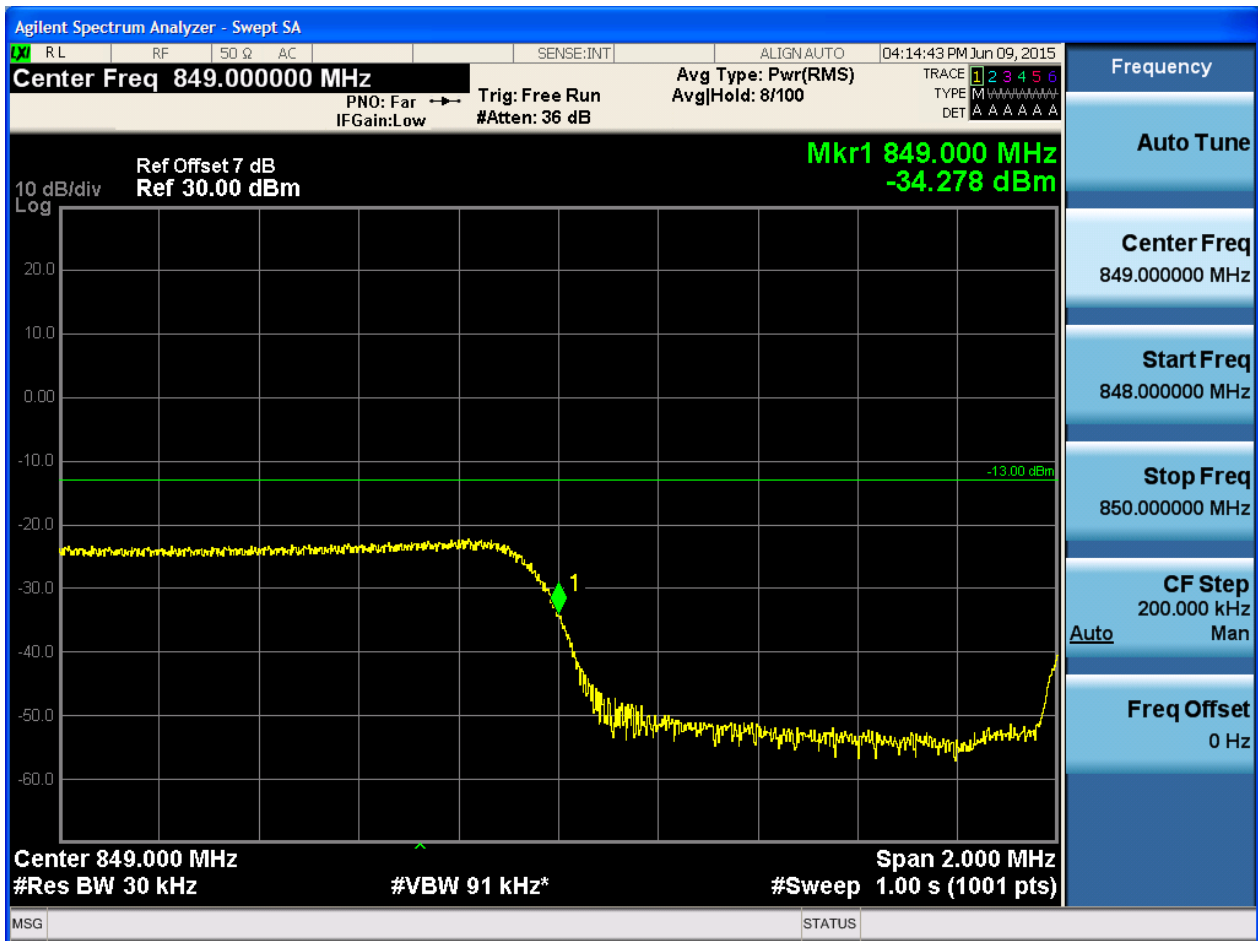


## 5.1.1.2.2.1.4 Test RB = RB15#0



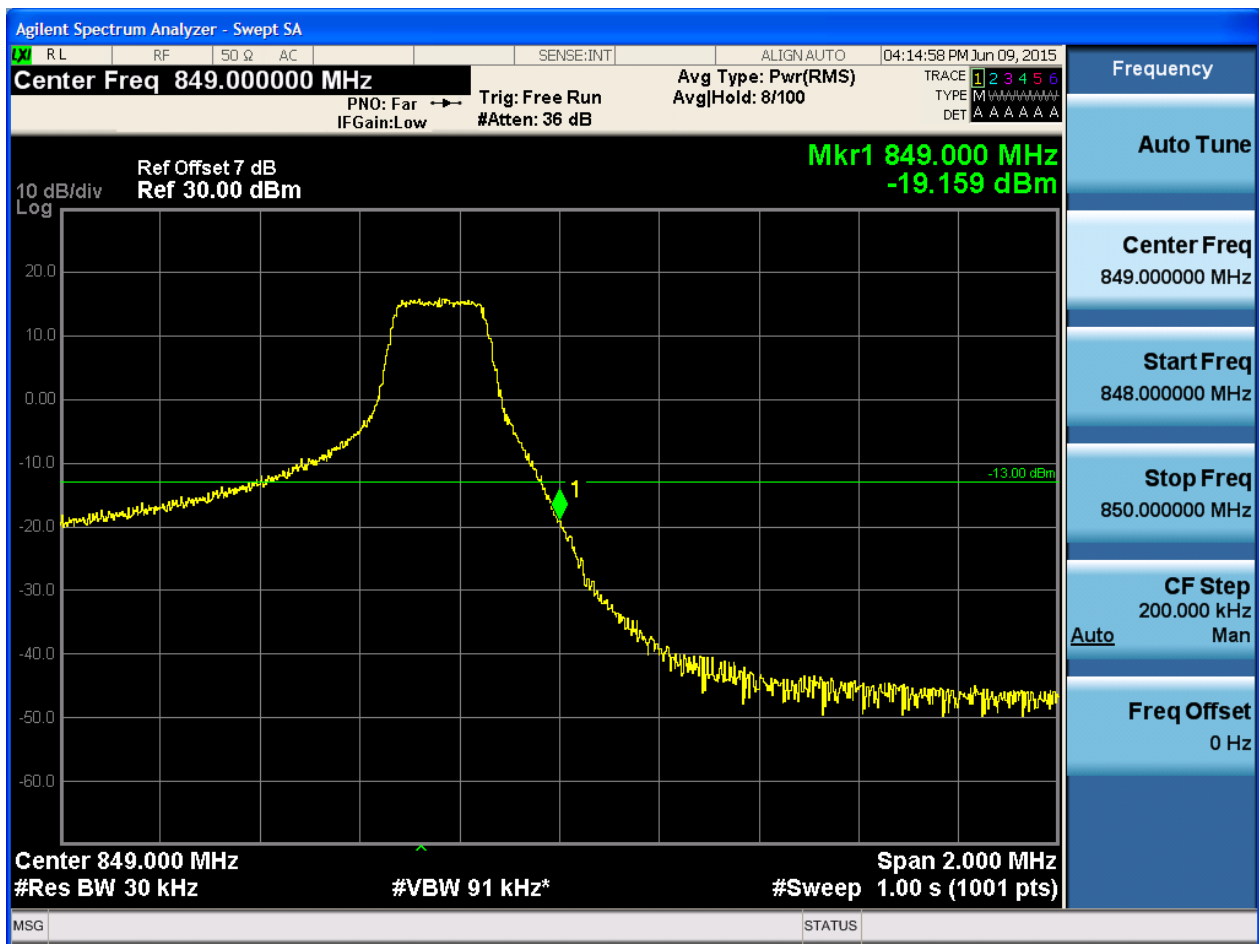


#### 5.1.1.2.2.2.1 Test RB = RB1#0





## 5.1.1.2.2.2 Test RB = RB1#14





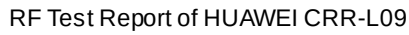
## 5.1.1.2.2.3 Test RB = RB8#4





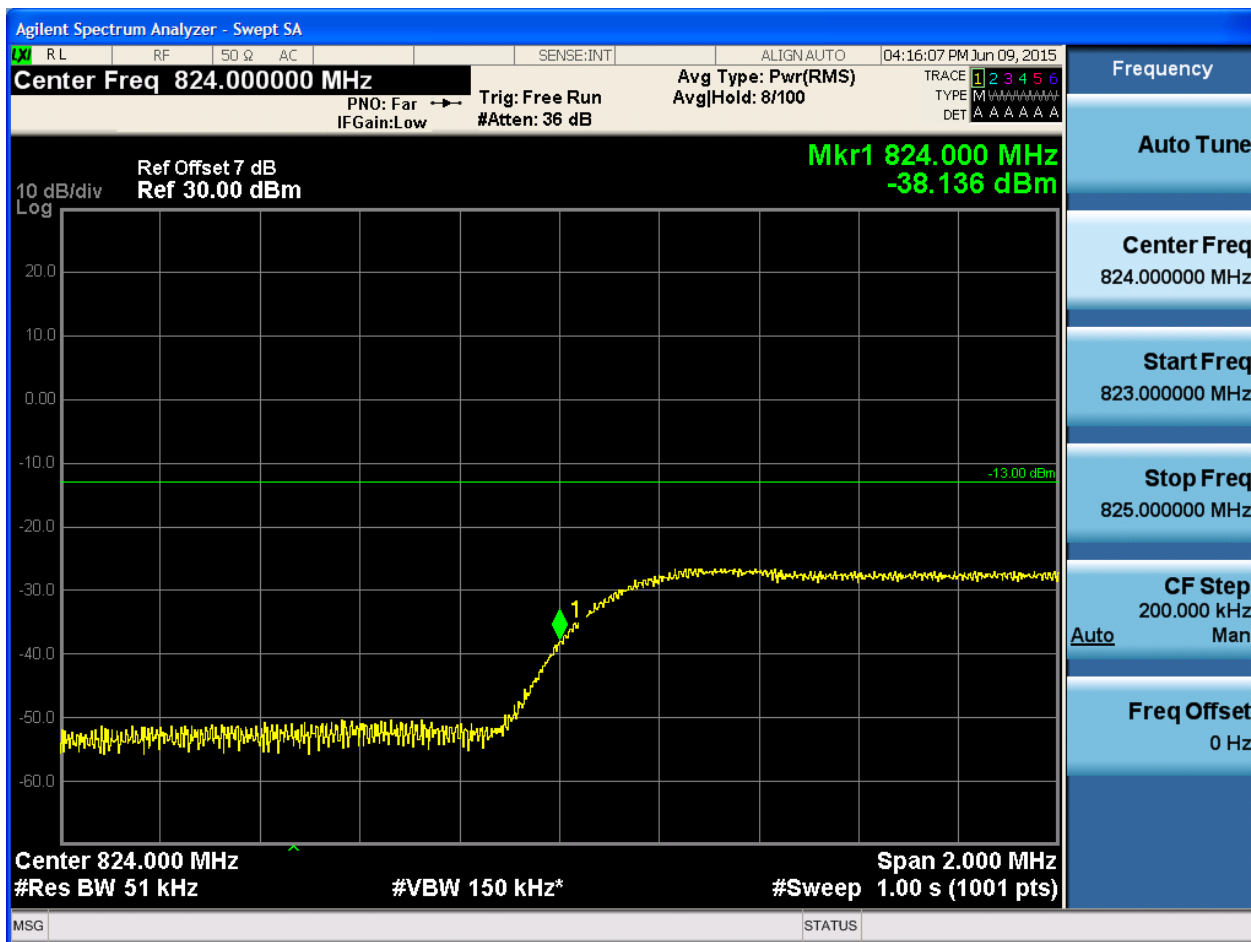
## 5.1.1.2.2.4 Test RB = RB15#0







## 5.1.1.2.3.1.2 Test RB = RB1#24



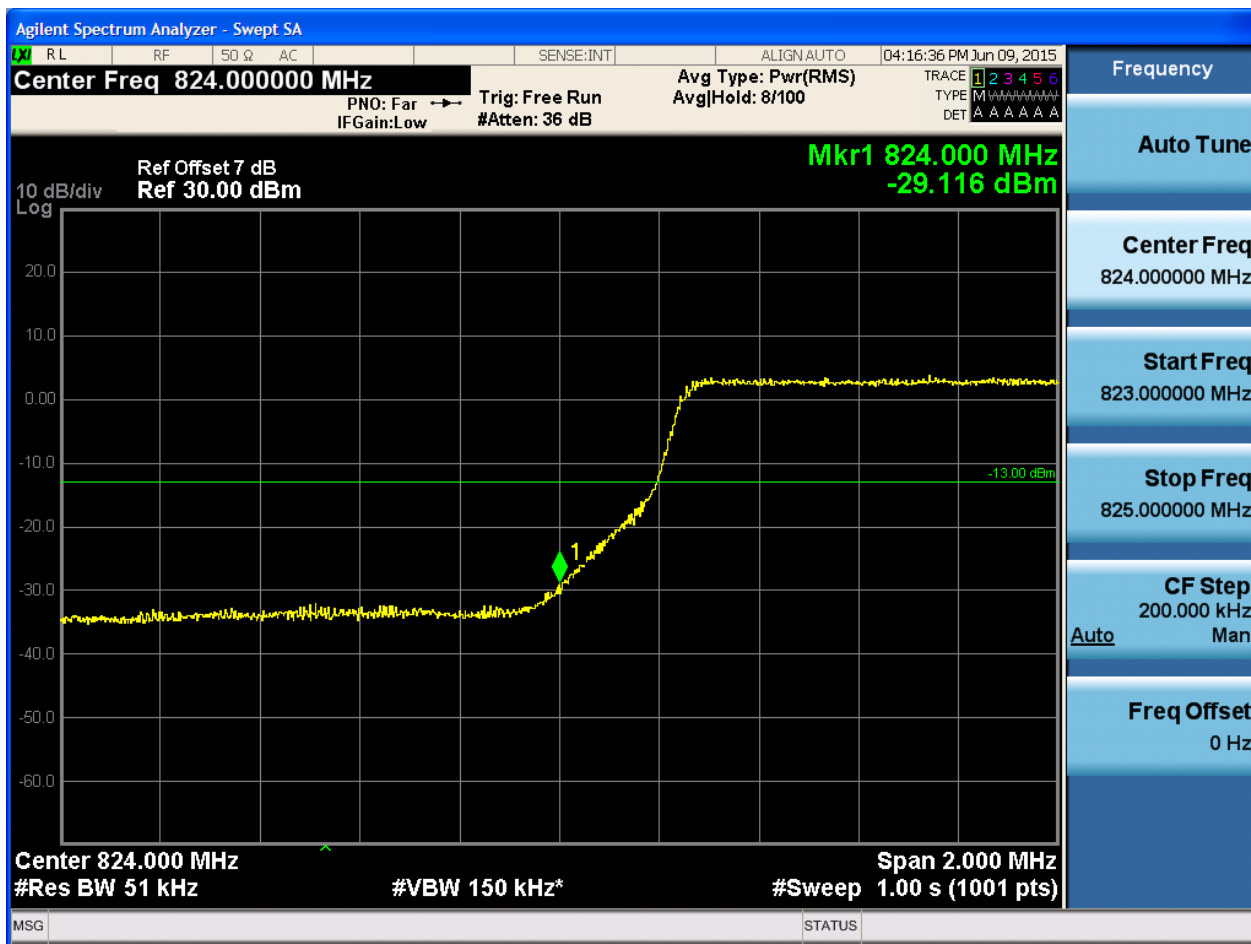


## 5.1.1.2.3.1.3 Test RB = RB12#6



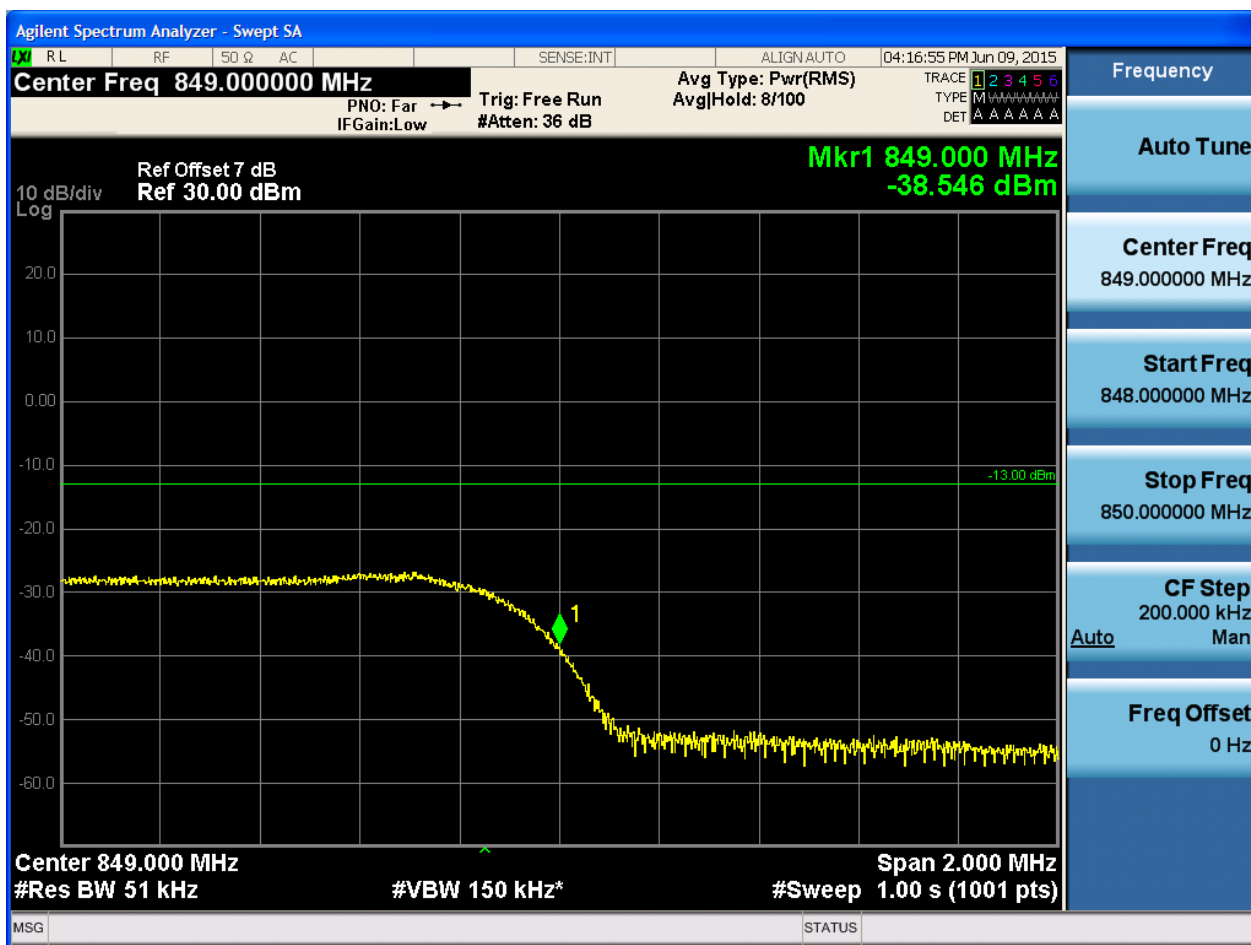


## 5.1.1.2.3.1.4 Test RB = RB25#0



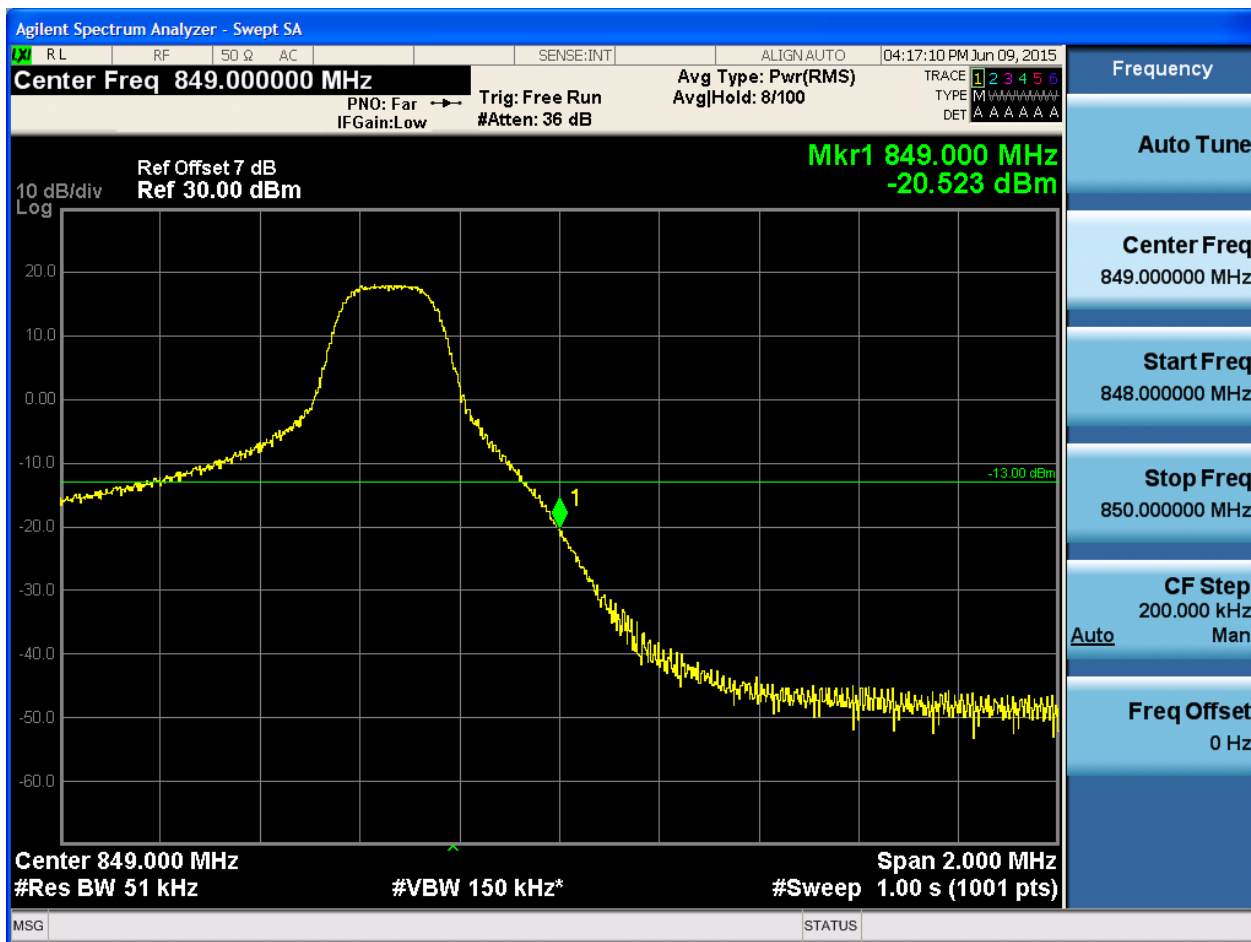
### 5.1.1.2.3.2 Test Channel = HCH

#### 5.1.1.2.3.2.1 Test RB = RB1#0





## 5.1.1.2.3.2.2 Test RB = RB1#24





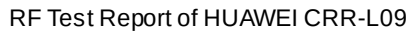
## 5.1.1.2.3.2.3 Test RB = RB12#6





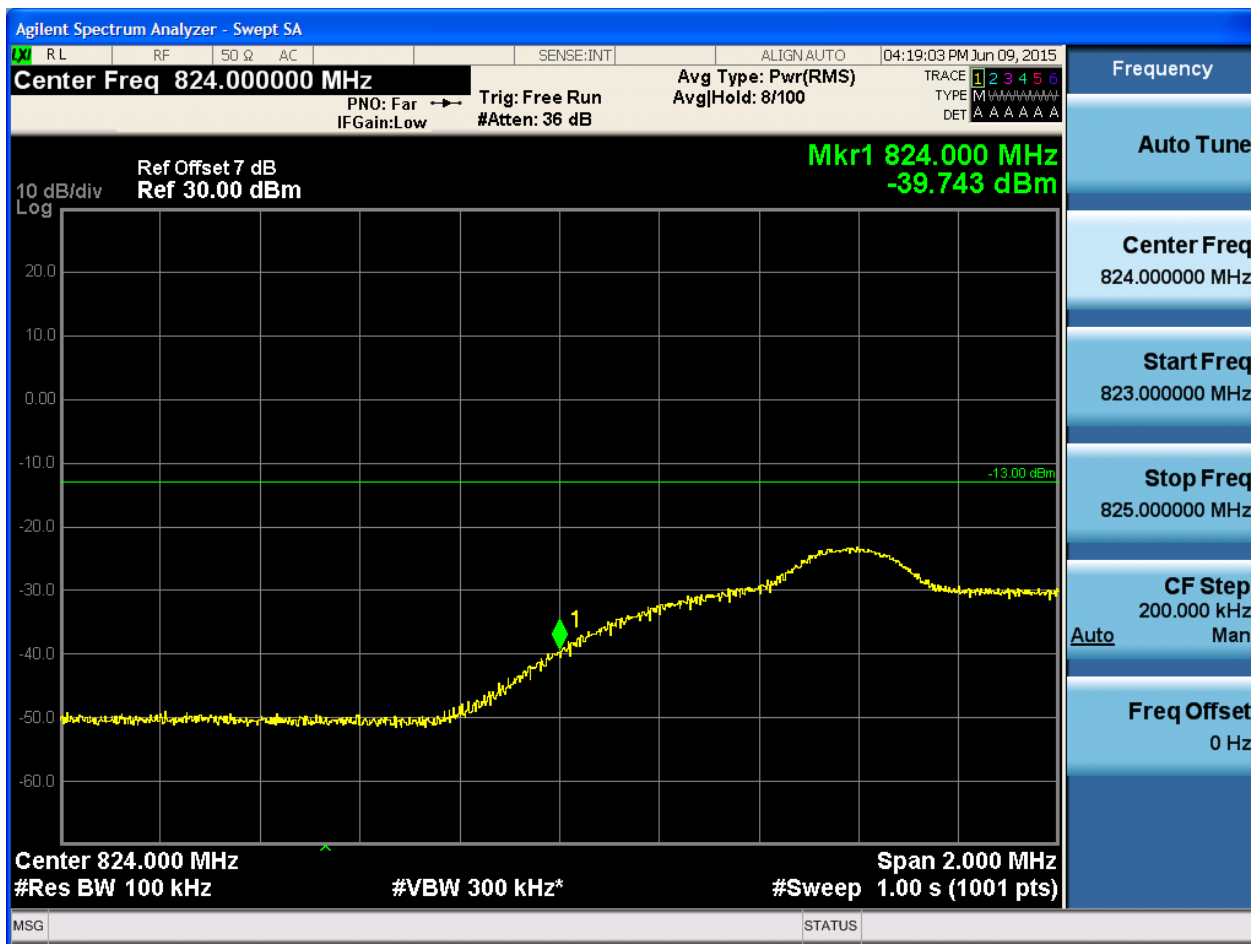
## 5.1.1.2.3.2.4 Test RB = RB25#0





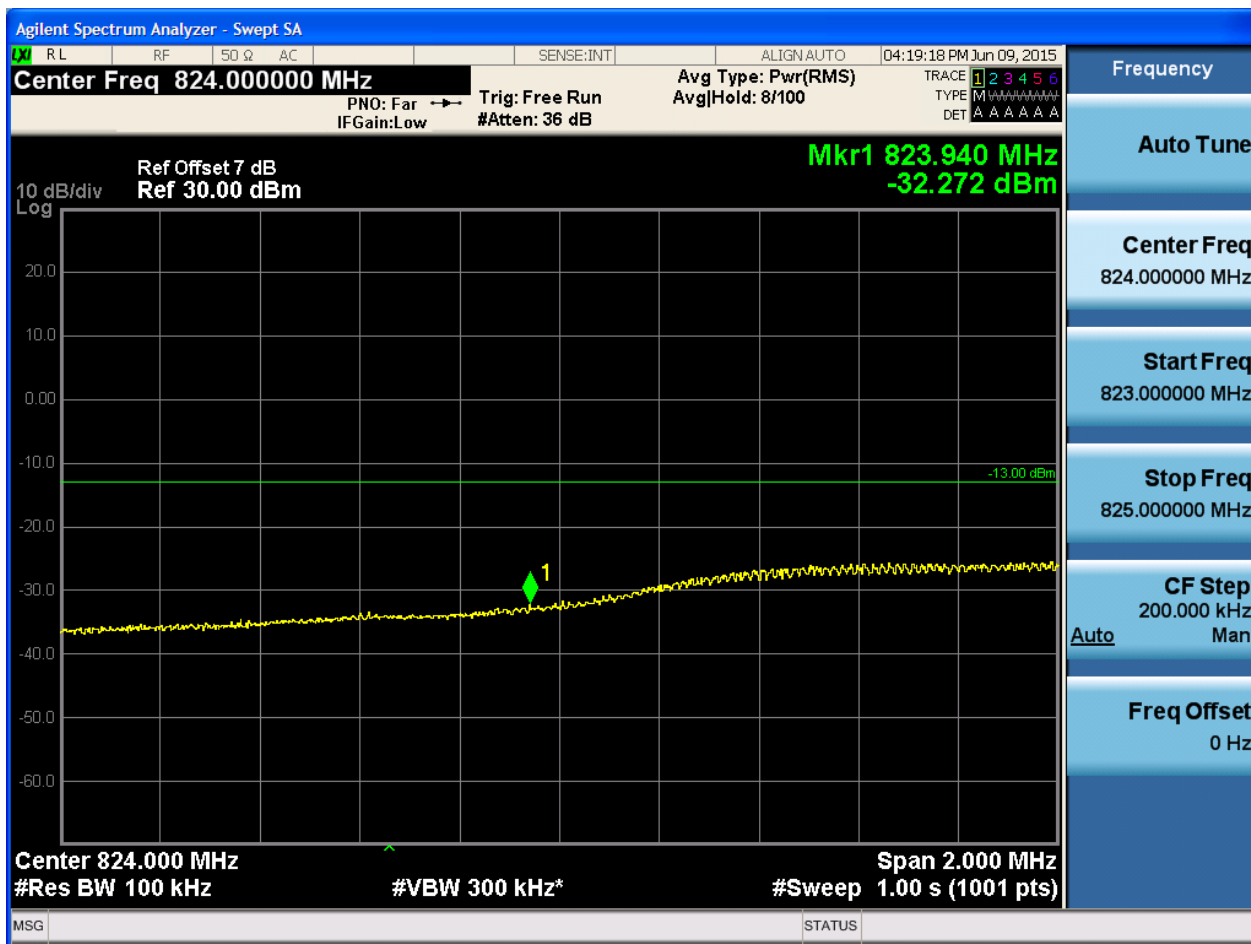


## 5.1.1.2.4.1.2 Test RB = RB1#49



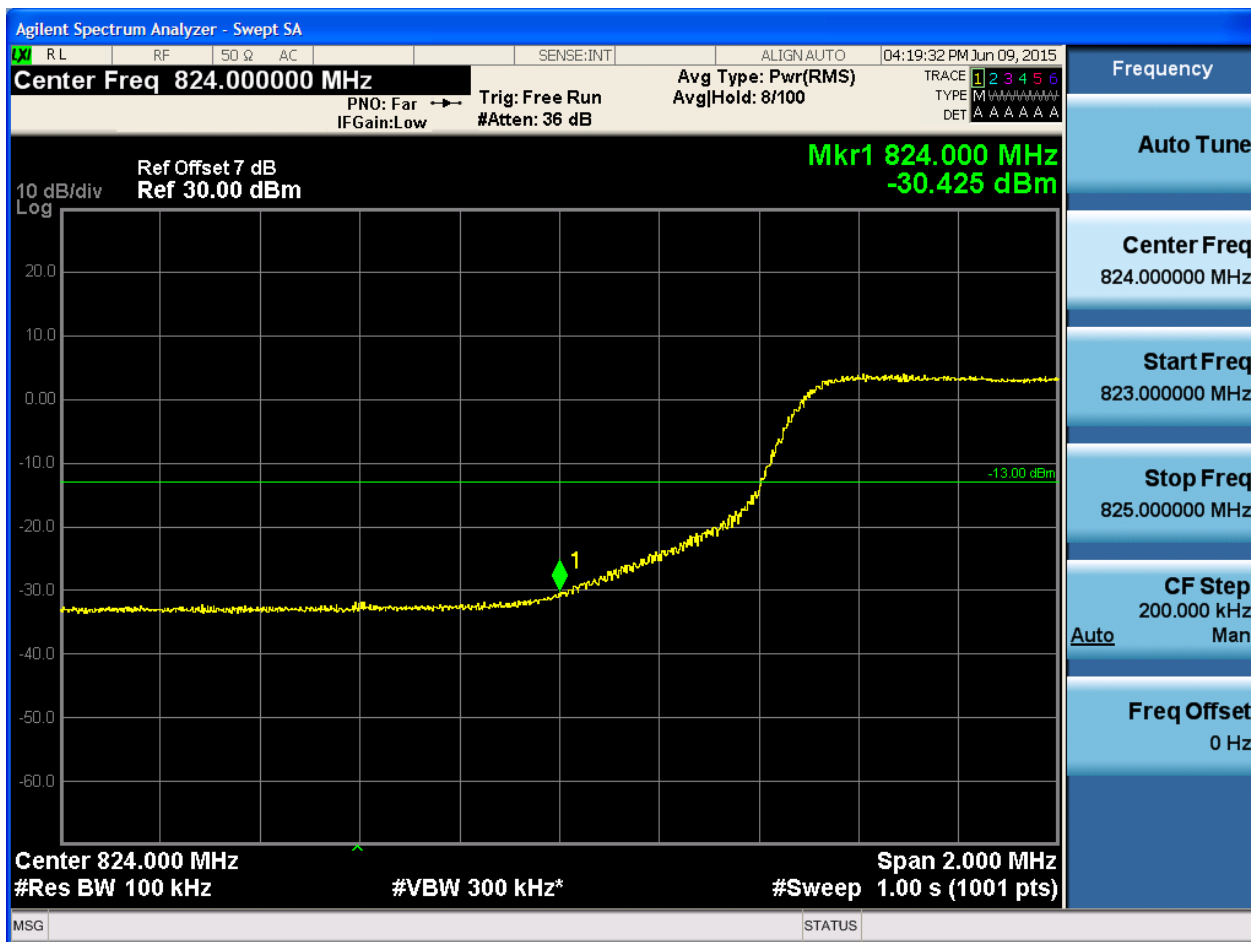


## 5.1.1.2.4.1.3 Test RB = RB25#13





## 5.1.1.2.4.1.4 Test RB = RB50#0



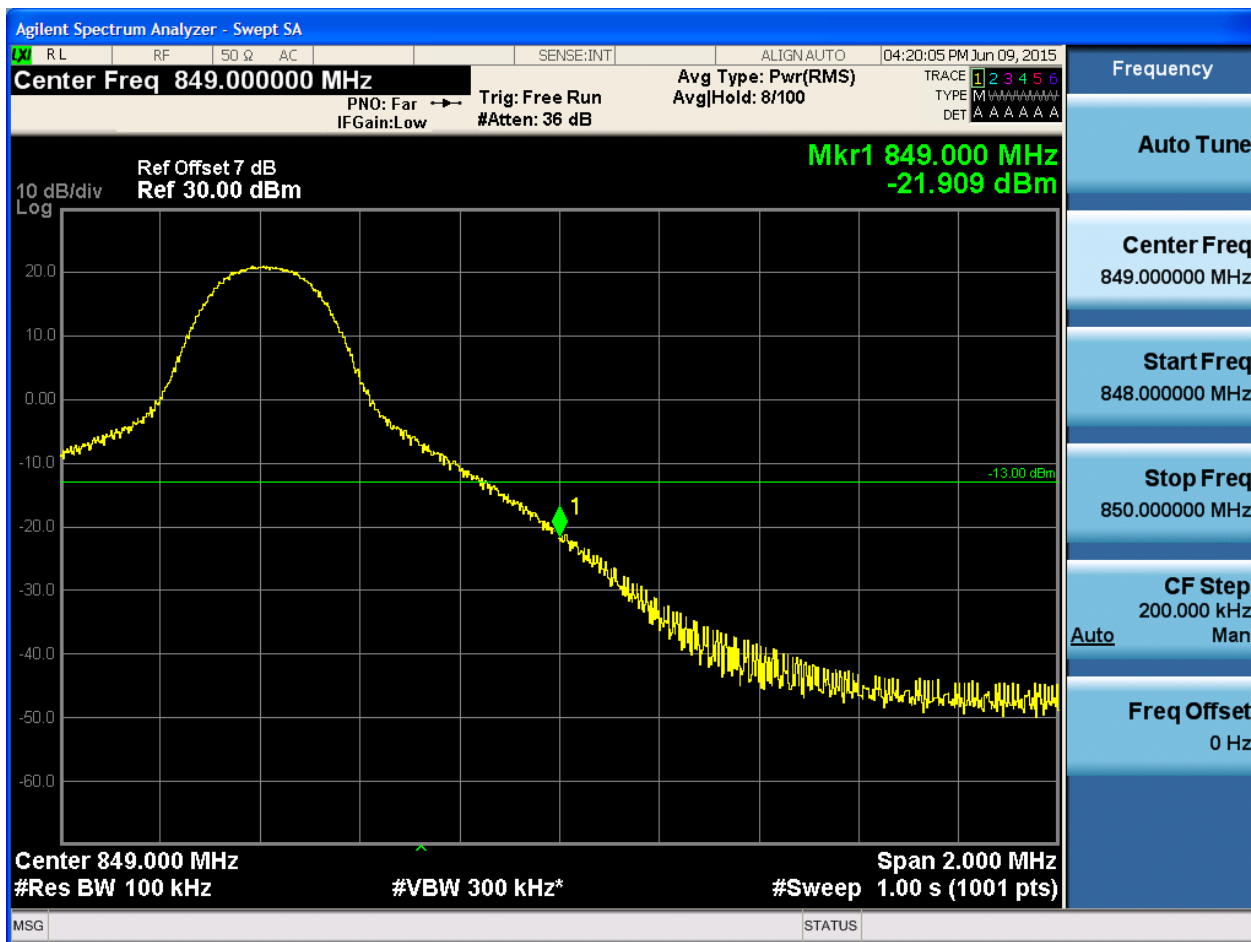
### 5.1.1.2.4.2 Test Channel = HCH

#### 5.1.1.2.4.2.1 Test RB = RB1#0





## 5.1.1.2.4.2.2 Test RB = RB1#49





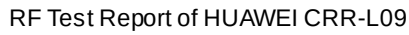
## 5.1.1.2.4.2.3 Test RB = RB25#13





## 5.1.1.2.4.2.4 Test RB = RB50#0





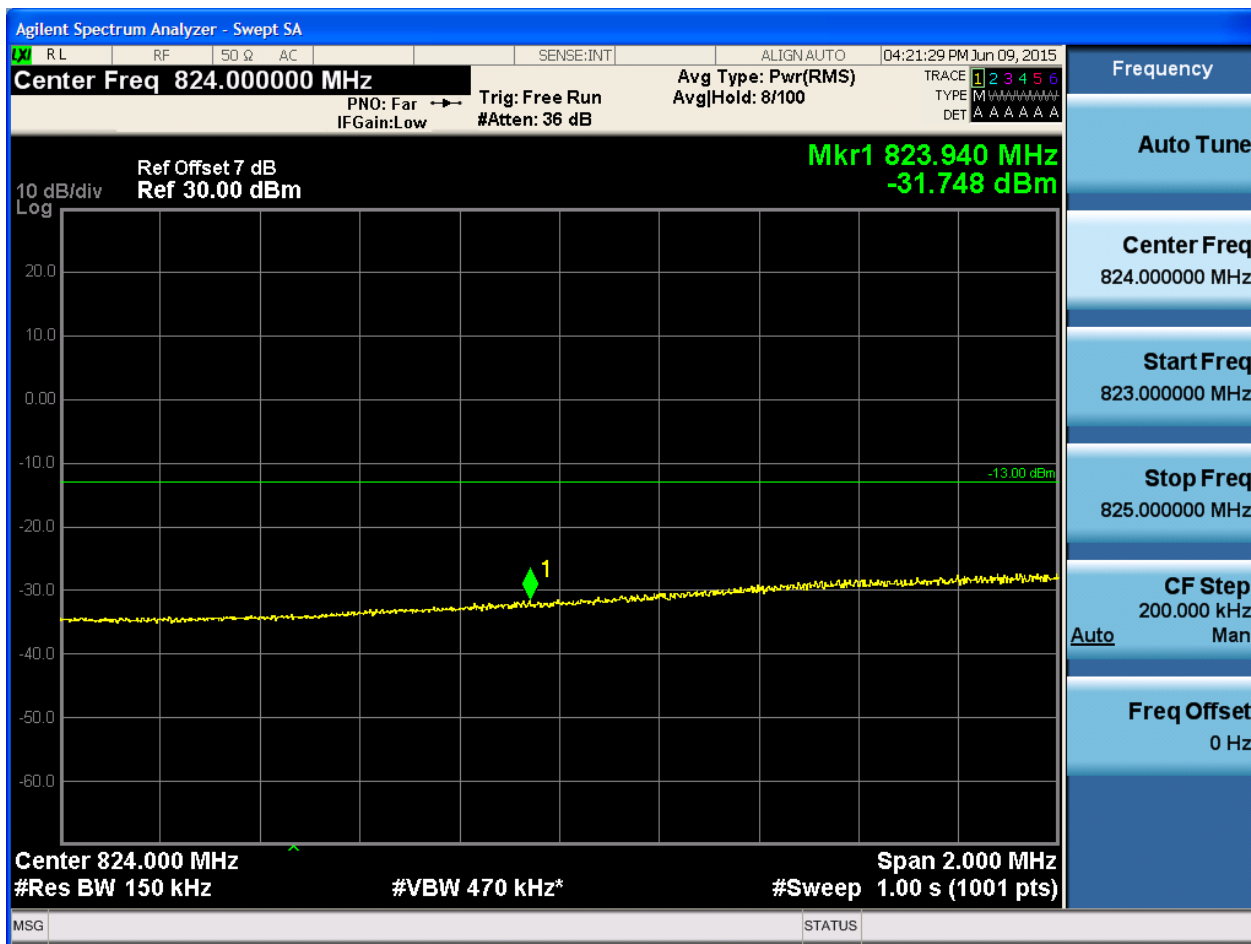


## 5.1.1.2.5.1.2 Test RB = RB1#74



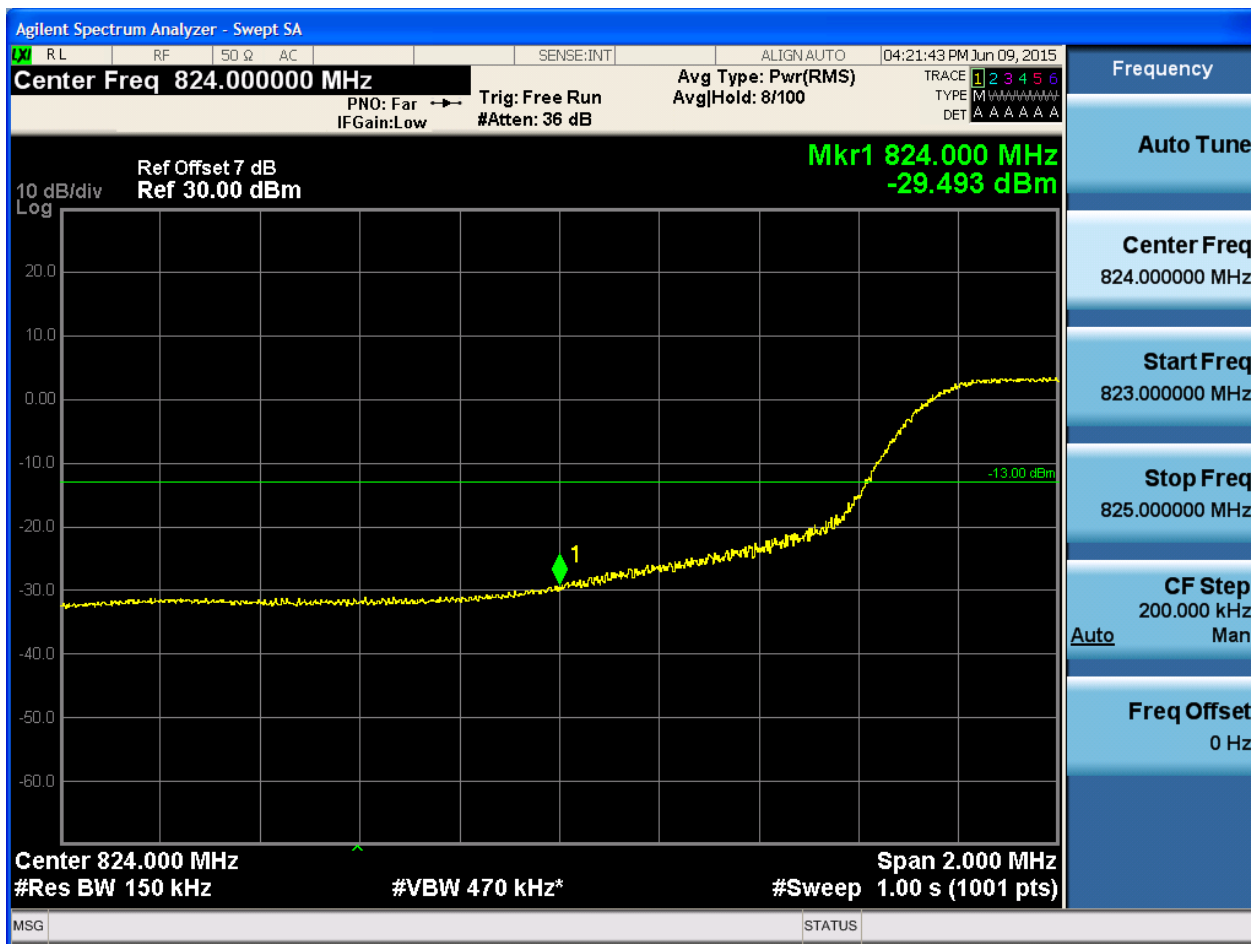


## 5.1.1.2.5.1.3 Test RB = RB38#19





## 5.1.1.2.5.1.4 Test RB = RB75#0



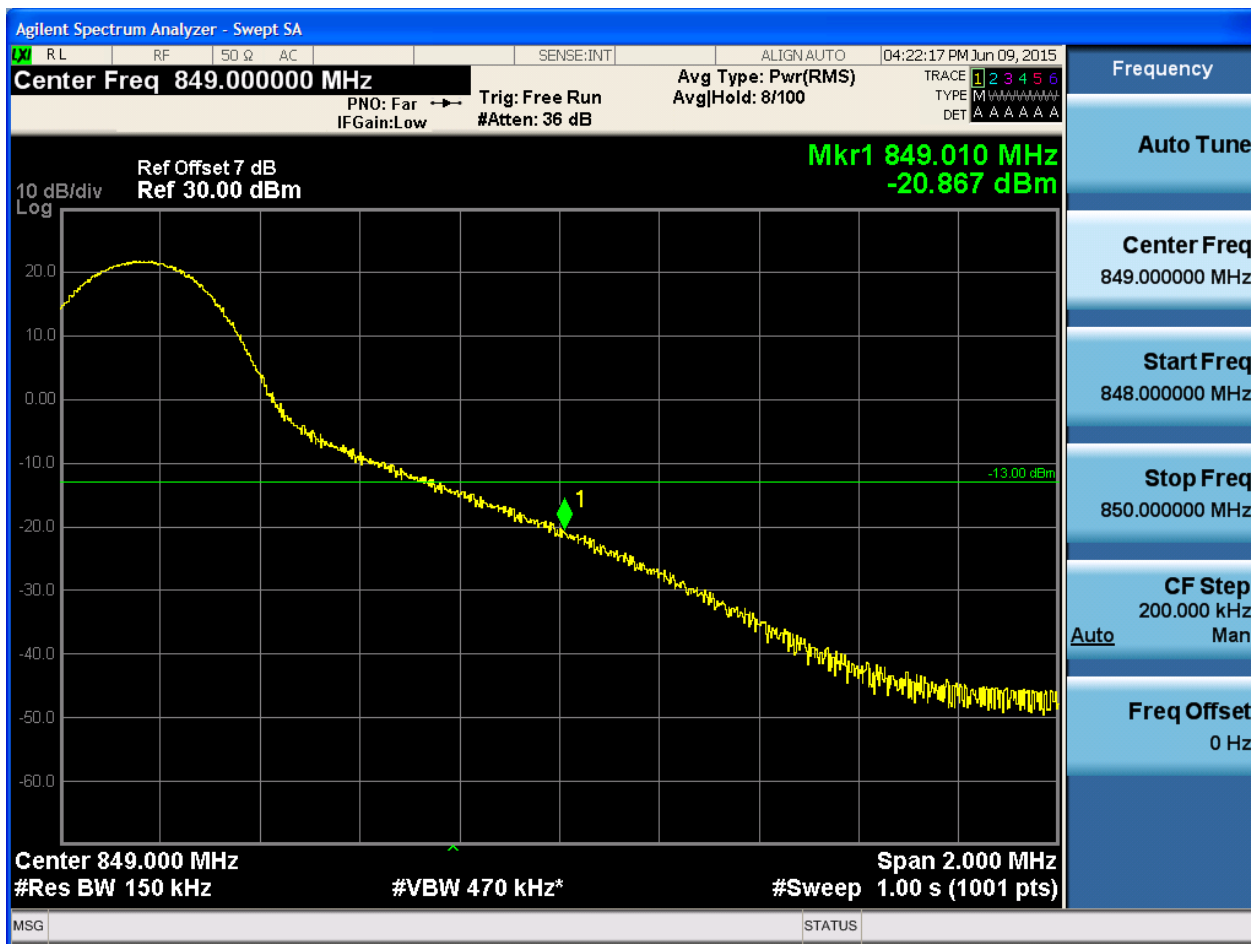
### 5.1.1.2.5.2 Test Channel = HCH

#### 5.1.1.2.5.2.1 Test RB = RB1#0





## 5.1.1.2.5.2.2 Test RB = RB1#74





## 5.1.1.2.5.2.3 Test RB = RB38#19





## 5.1.1.2.5.2.4 Test RB = RB75#0



## 6Appendix\_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

### Part I - Test Plots

#### 6.1 For LTE

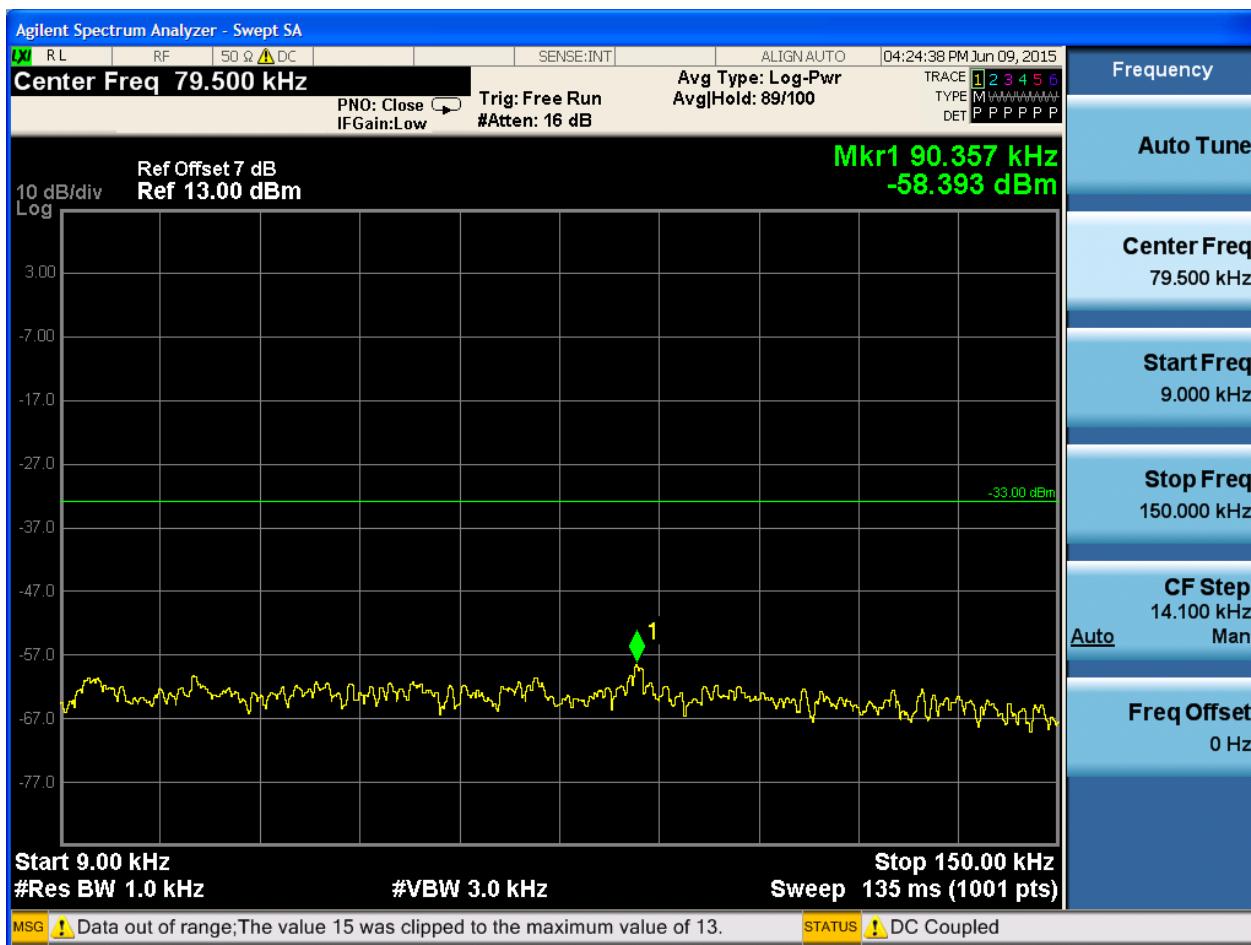
##### 6.1.1 Test Band = BAND26

##### 6.1.1.1 Test Mode = LTE/TM2

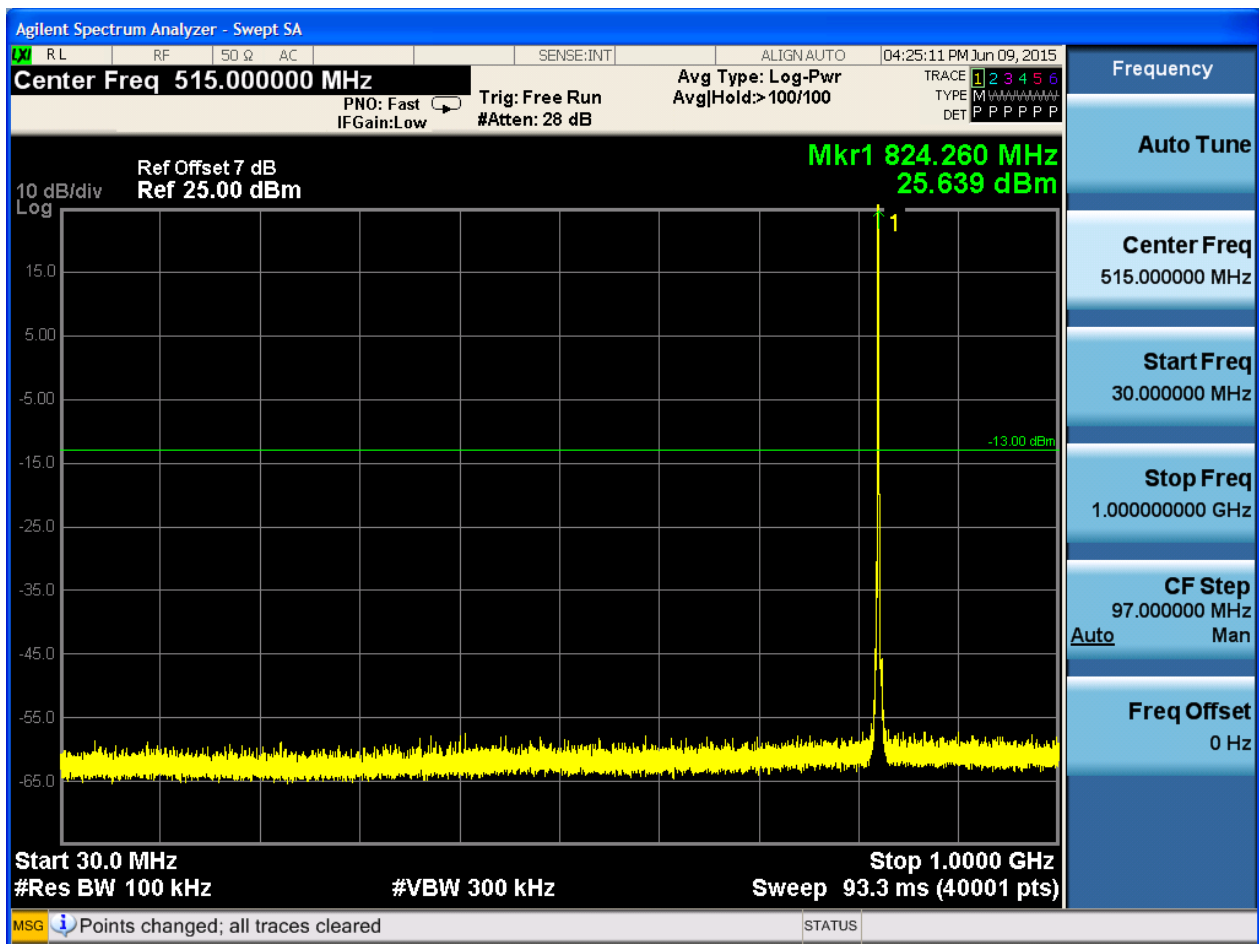
##### 6.1.1.1.1 Test Bandwidth = 1.4

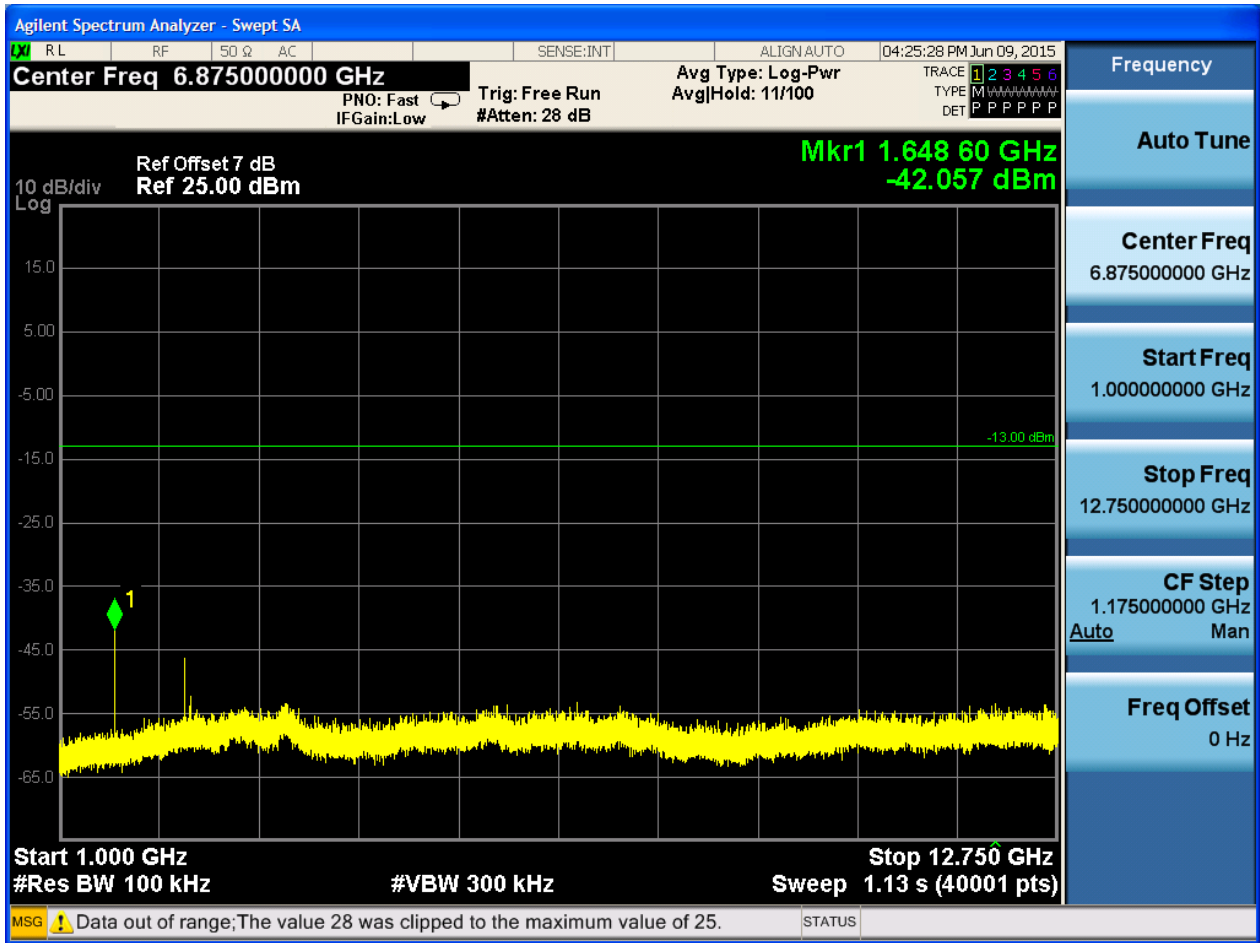
##### 6.1.1.1.1.1 Test Channel = LCH

##### 6.1.1.1.1.1.1 Test RB = RB1#0



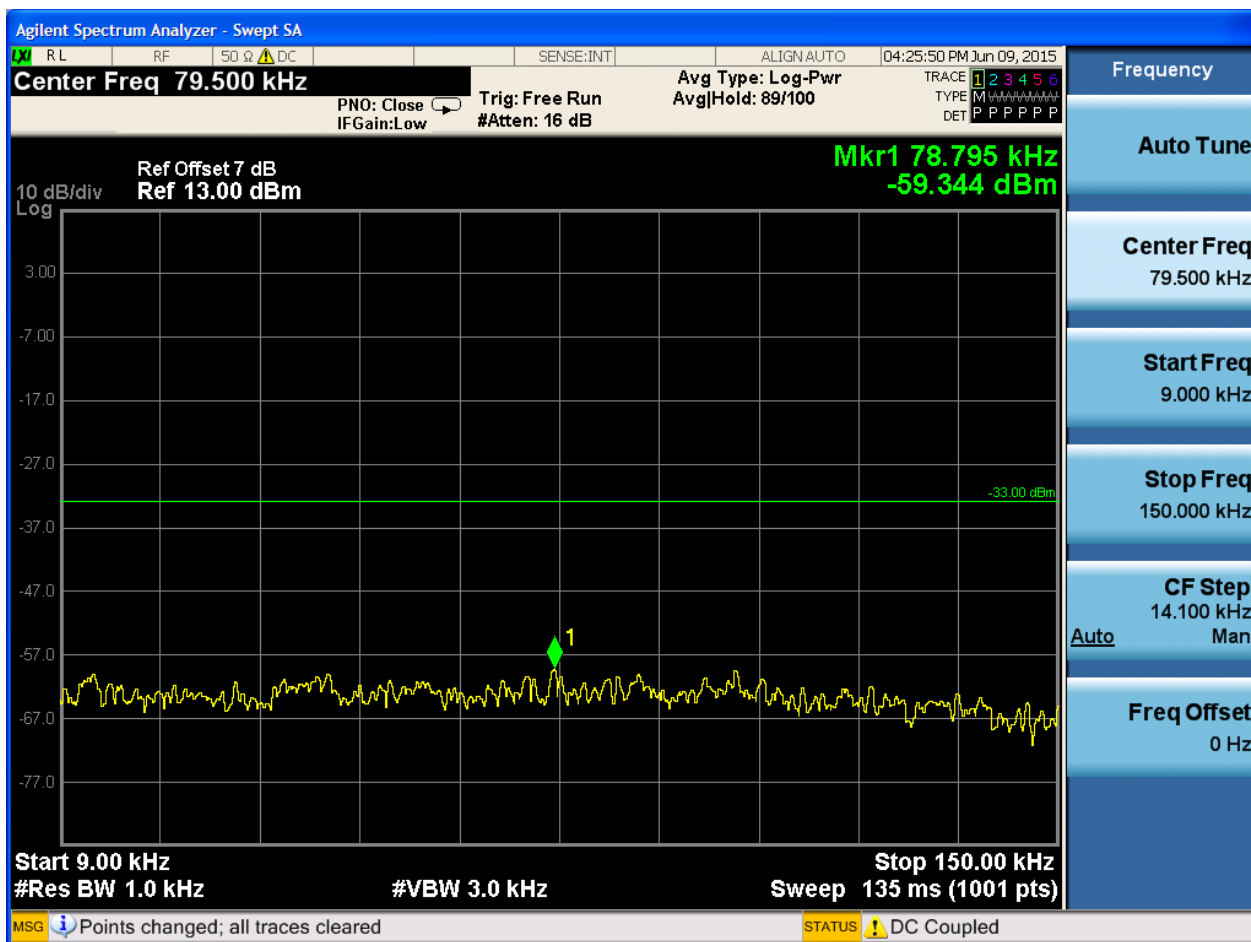




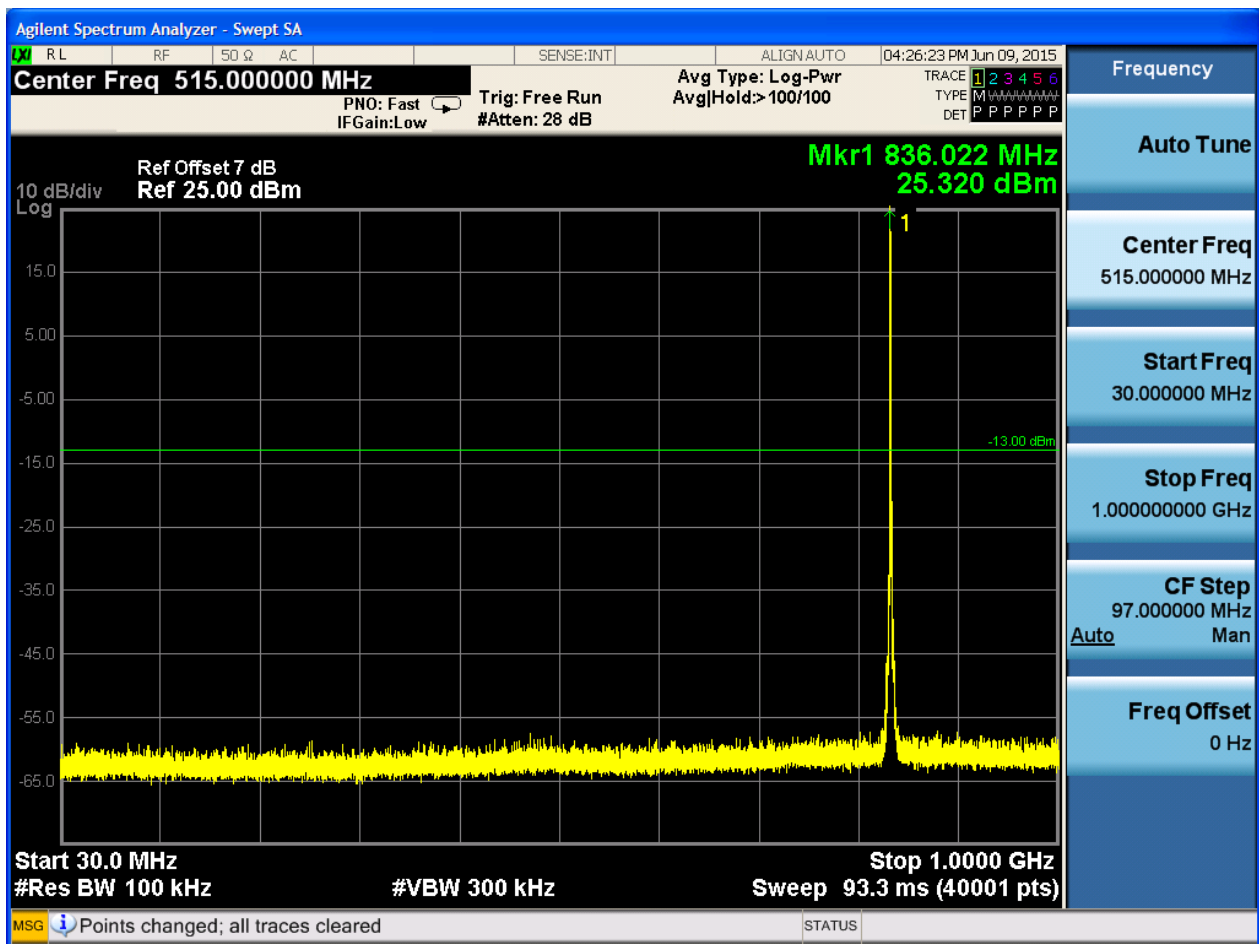


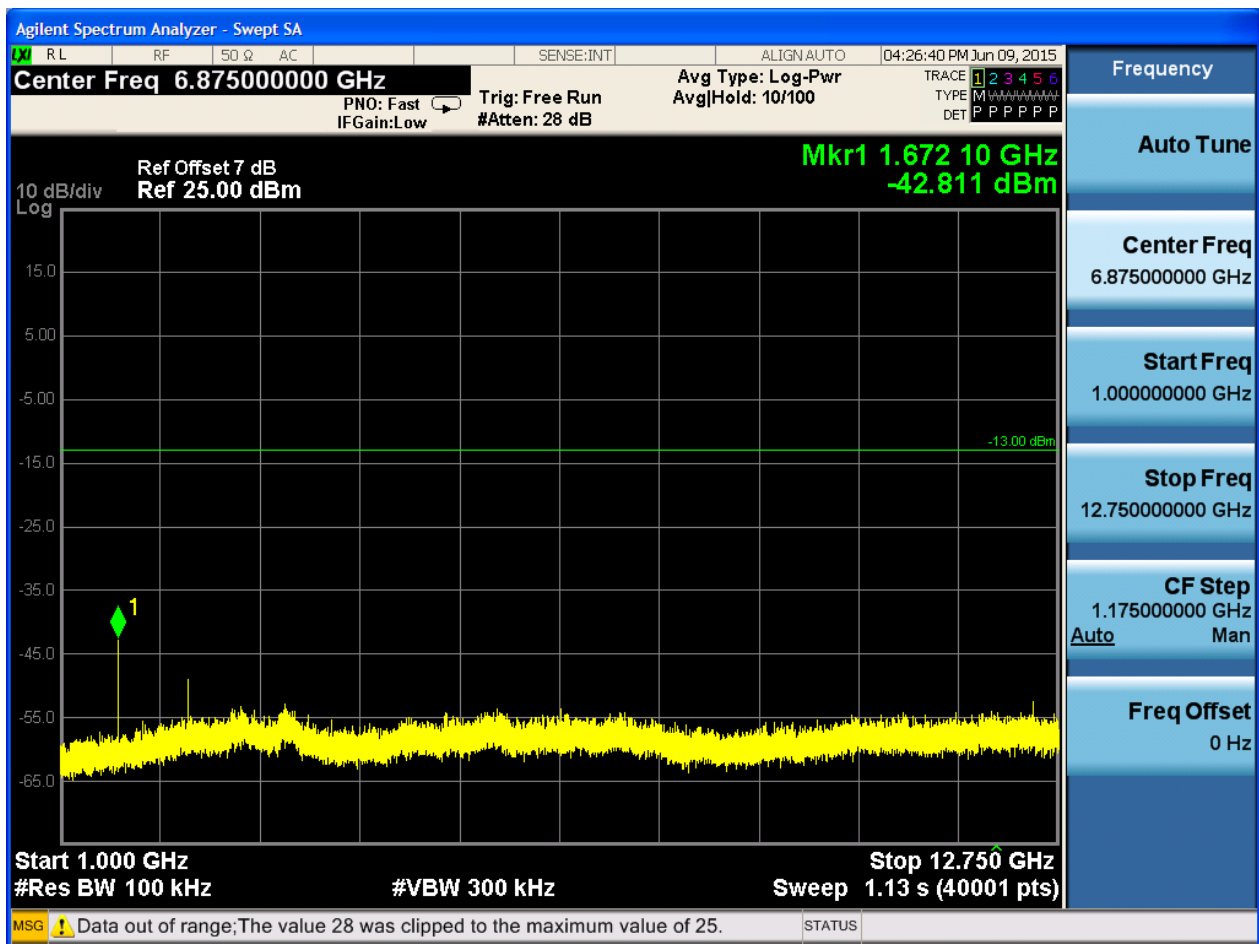
### 6.1.1.1.1.2 Test Channel = MCH

#### 6.1.1.1.1.2.1 Test RB = RB1#0



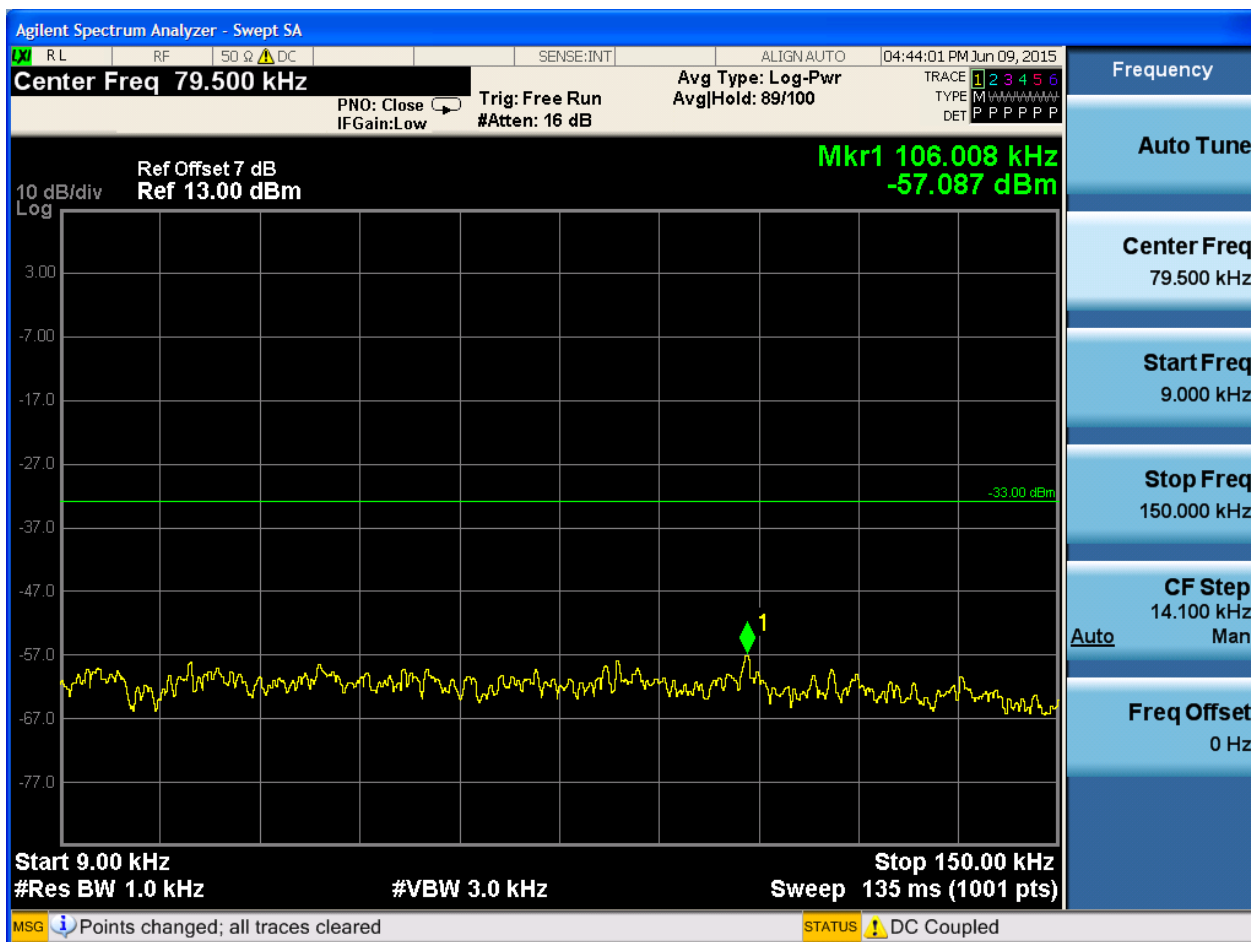




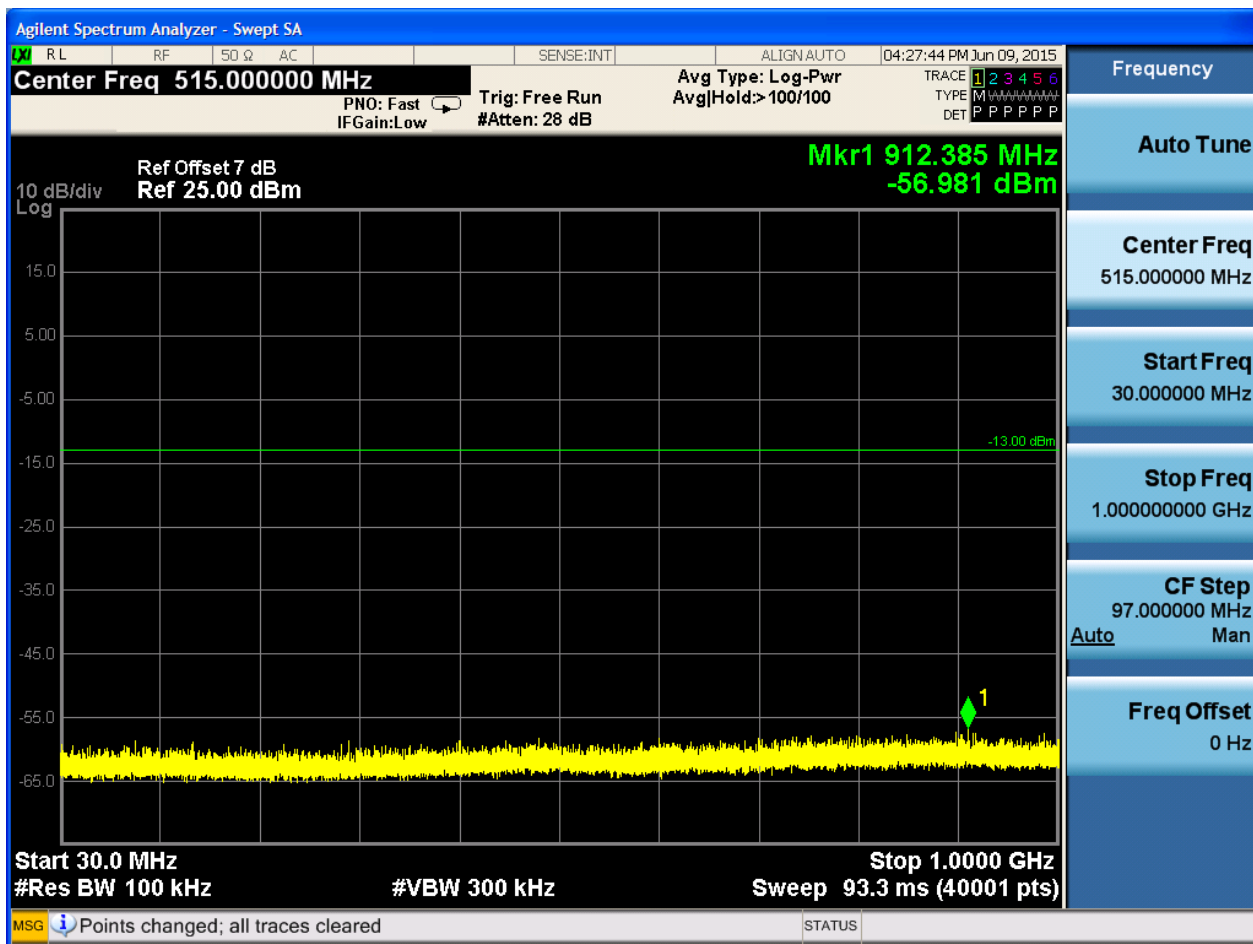


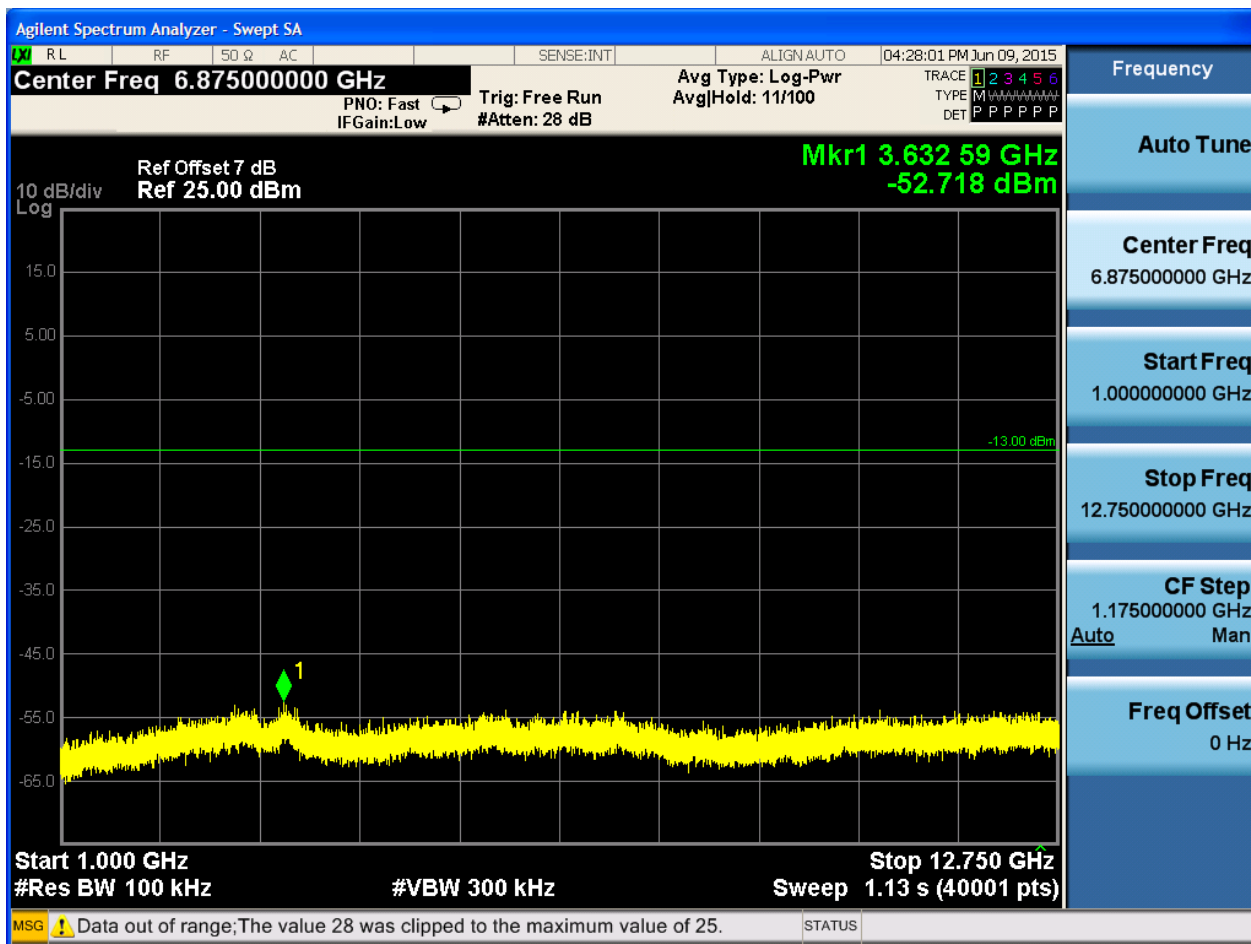
### 6.1.1.1.1.3 Test Channel = HCH

#### 6.1.1.1.1.3.1 Test RB = RB1#0





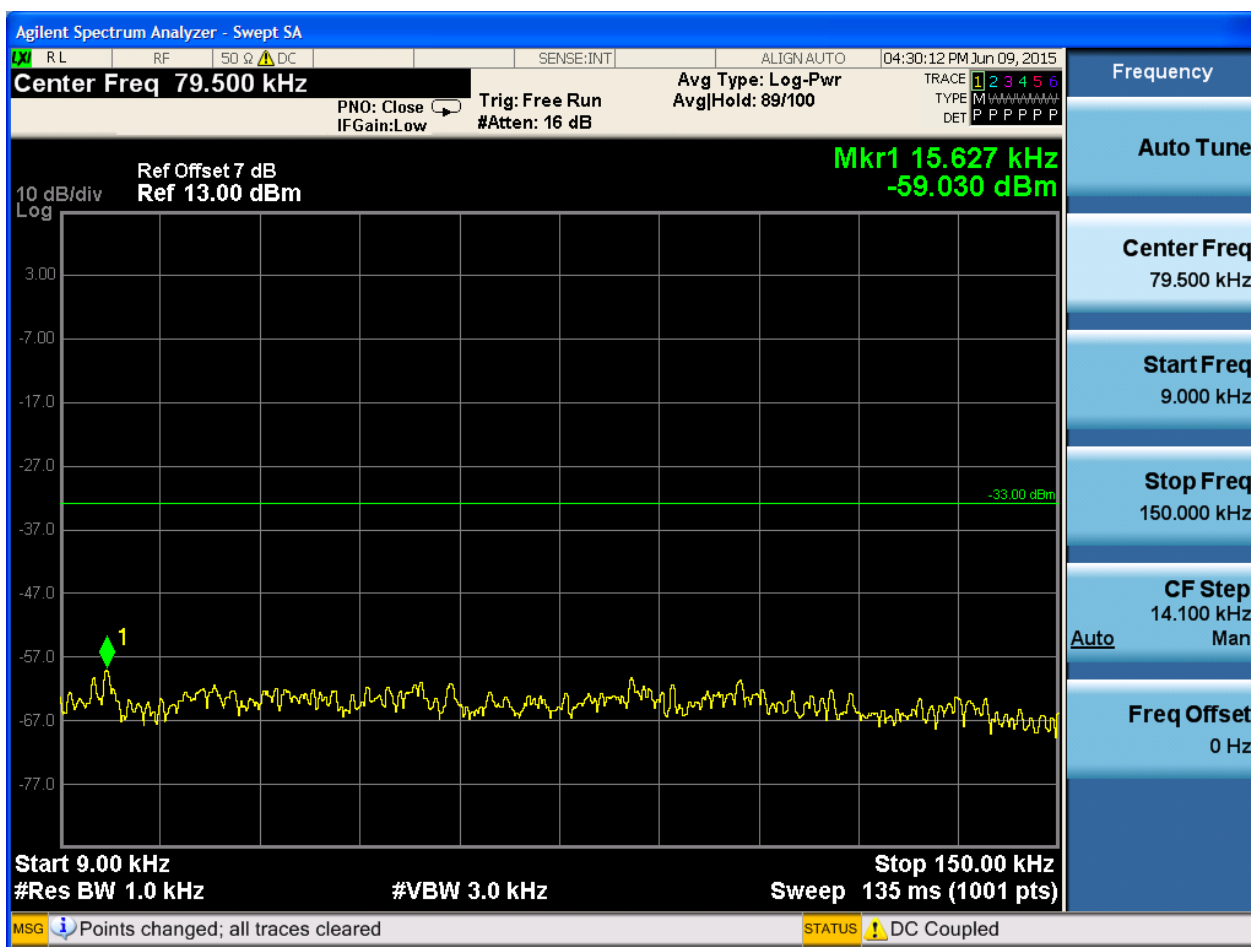


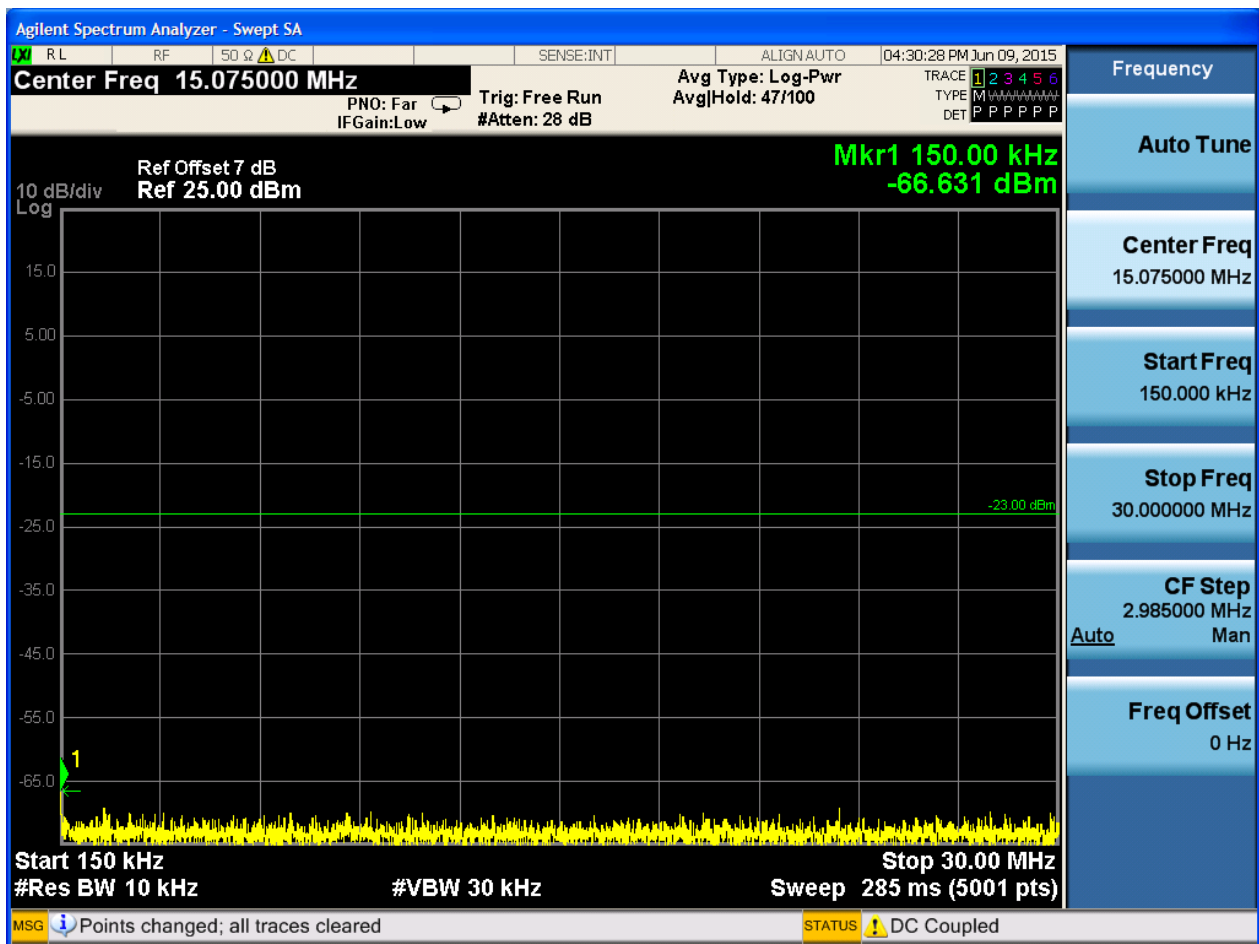


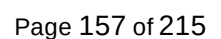
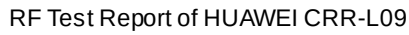
### 6.1.1.1.2 Test Bandwidth = 3

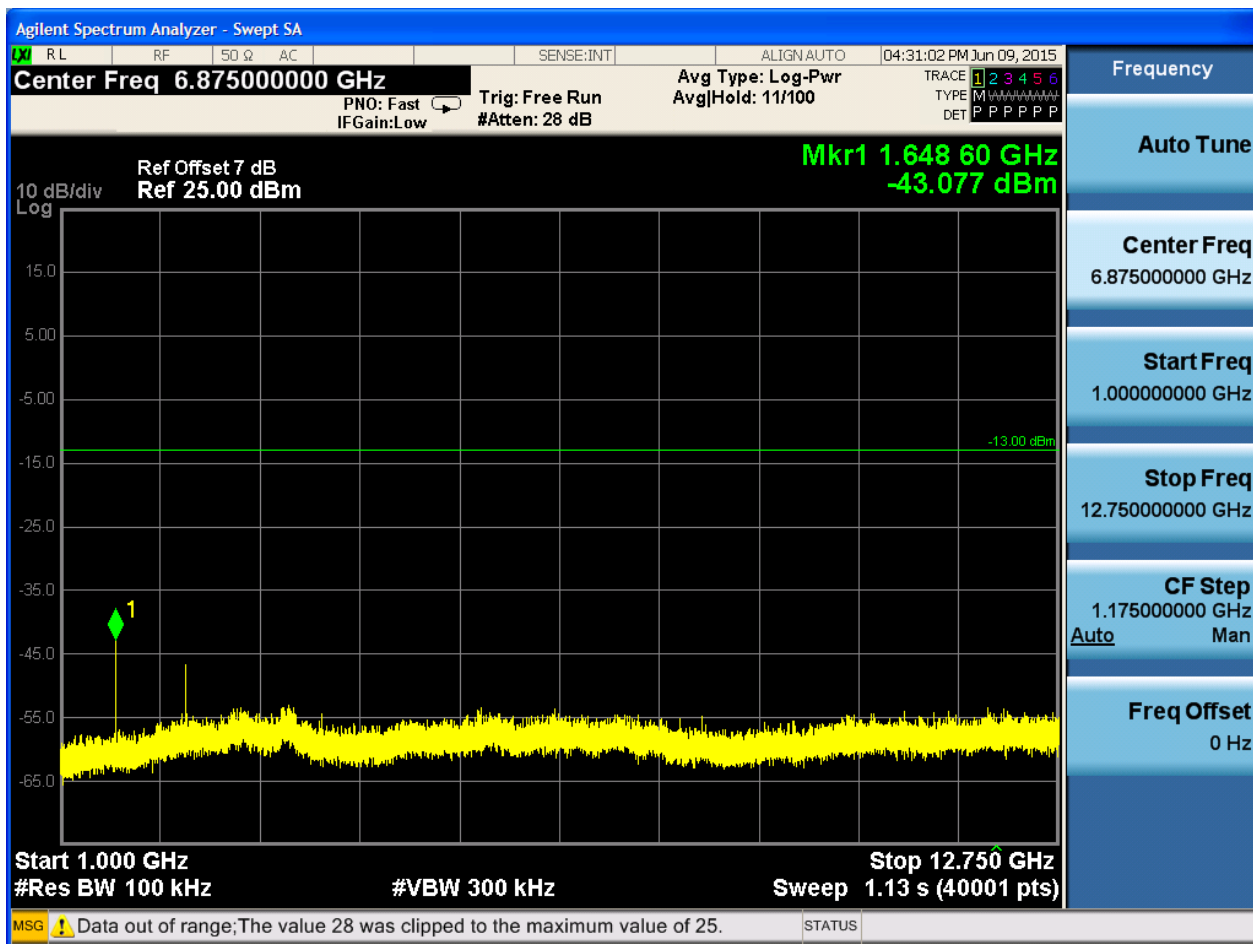
#### 6.1.1.1.2.1 Test Channel = LCH

##### 6.1.1.1.2.1.1 Test RB = RB1#0



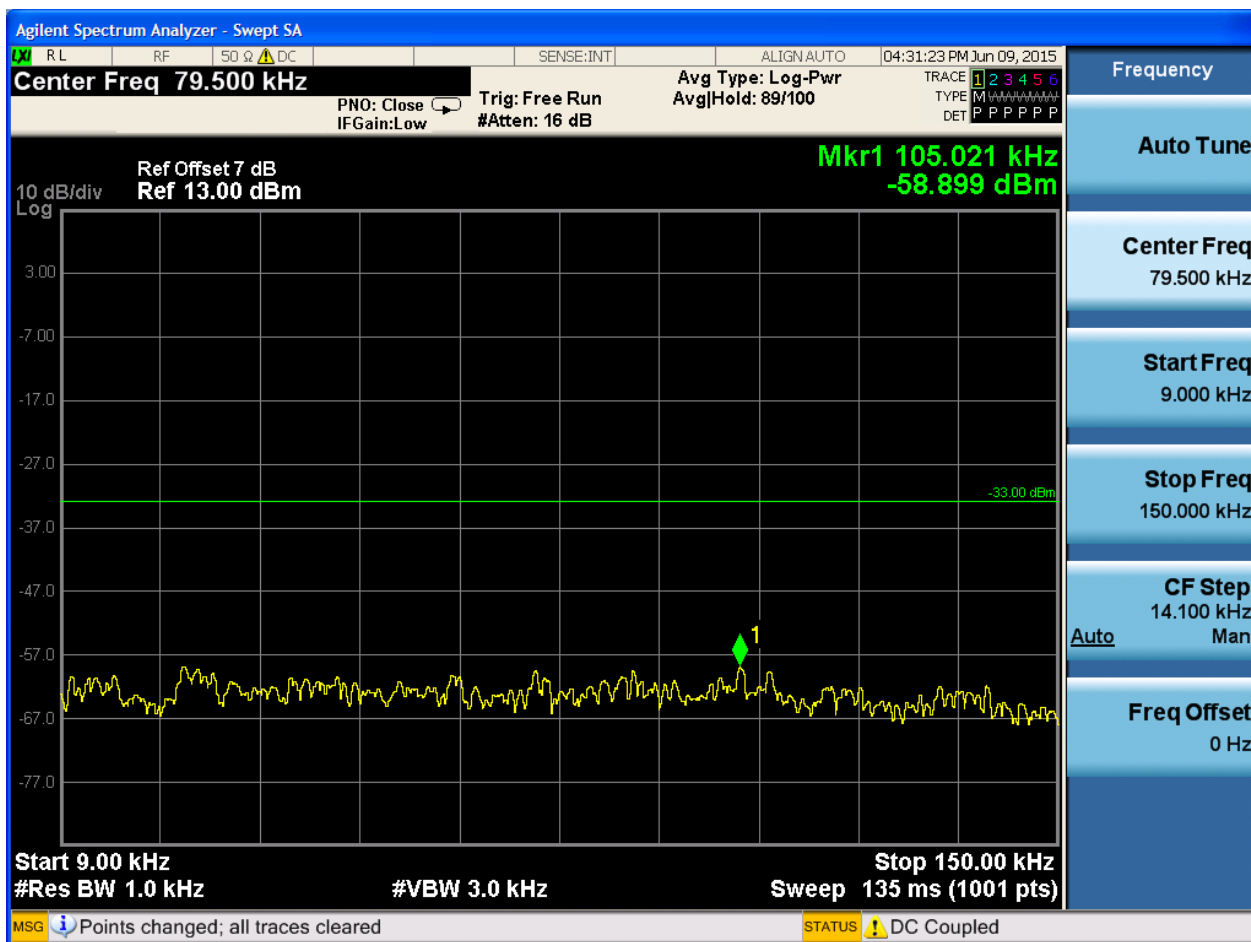


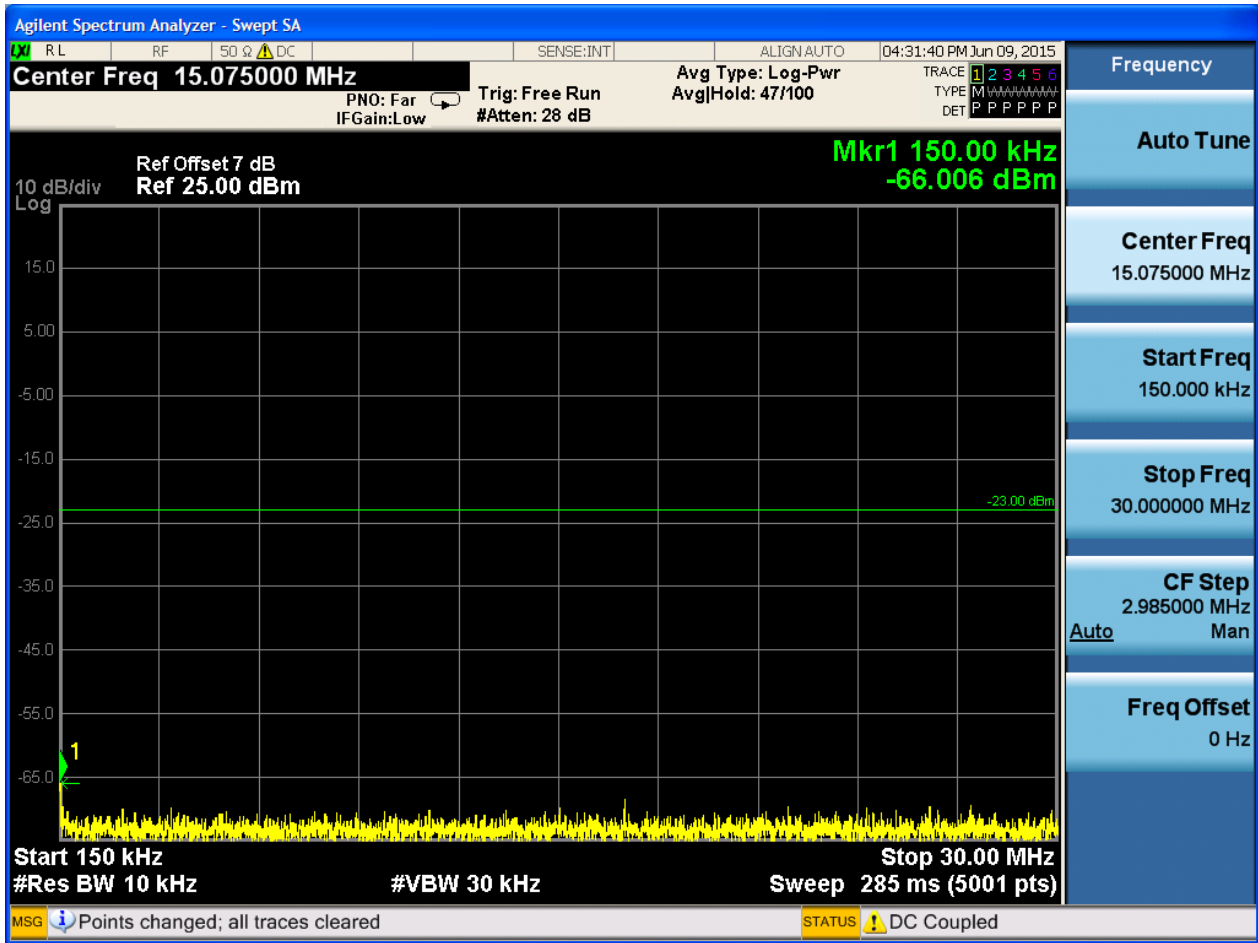


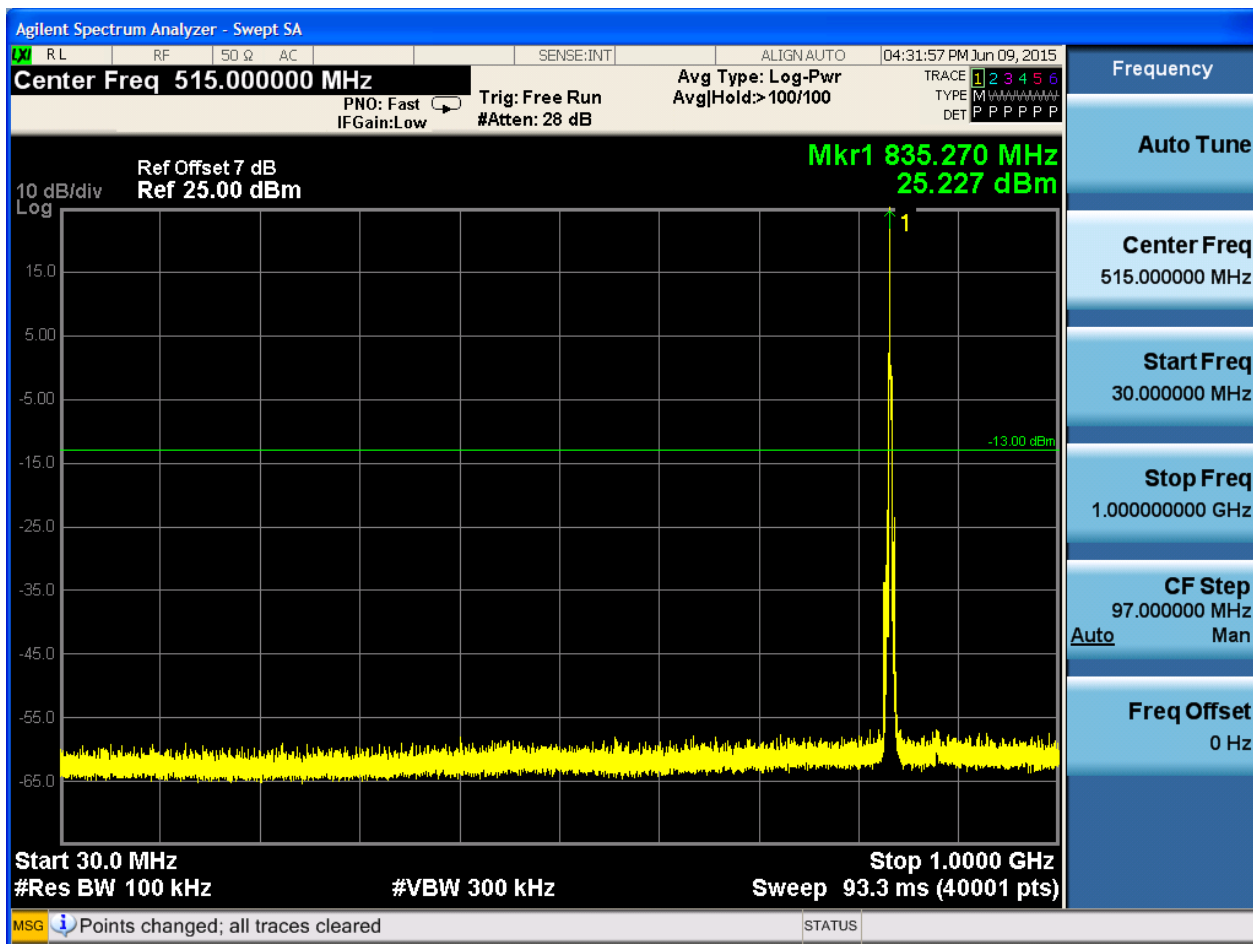


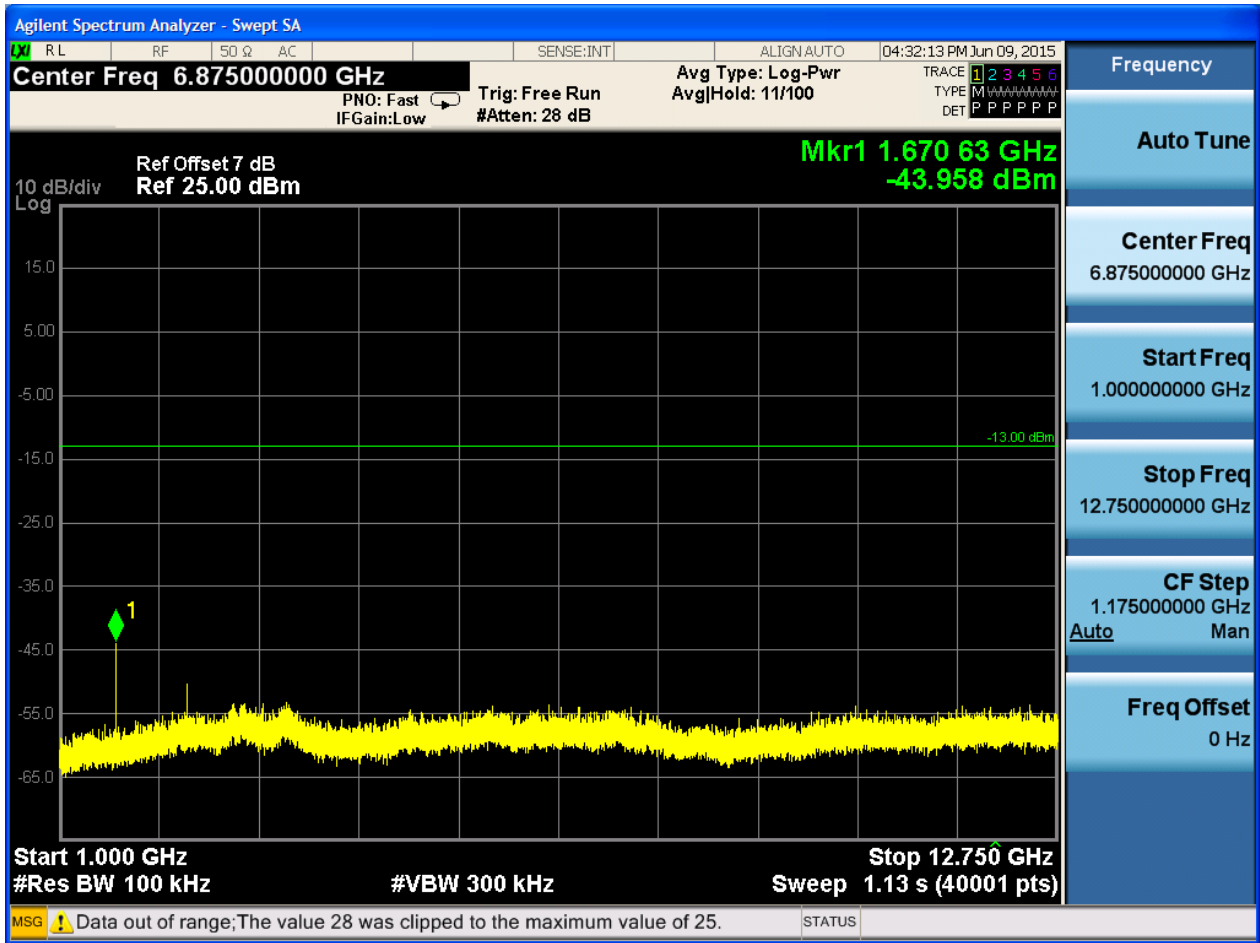
### 6.1.1.1.2.2 Test Channel = MCH

#### 6.1.1.1.2.2.1 Test RB = RB1#0



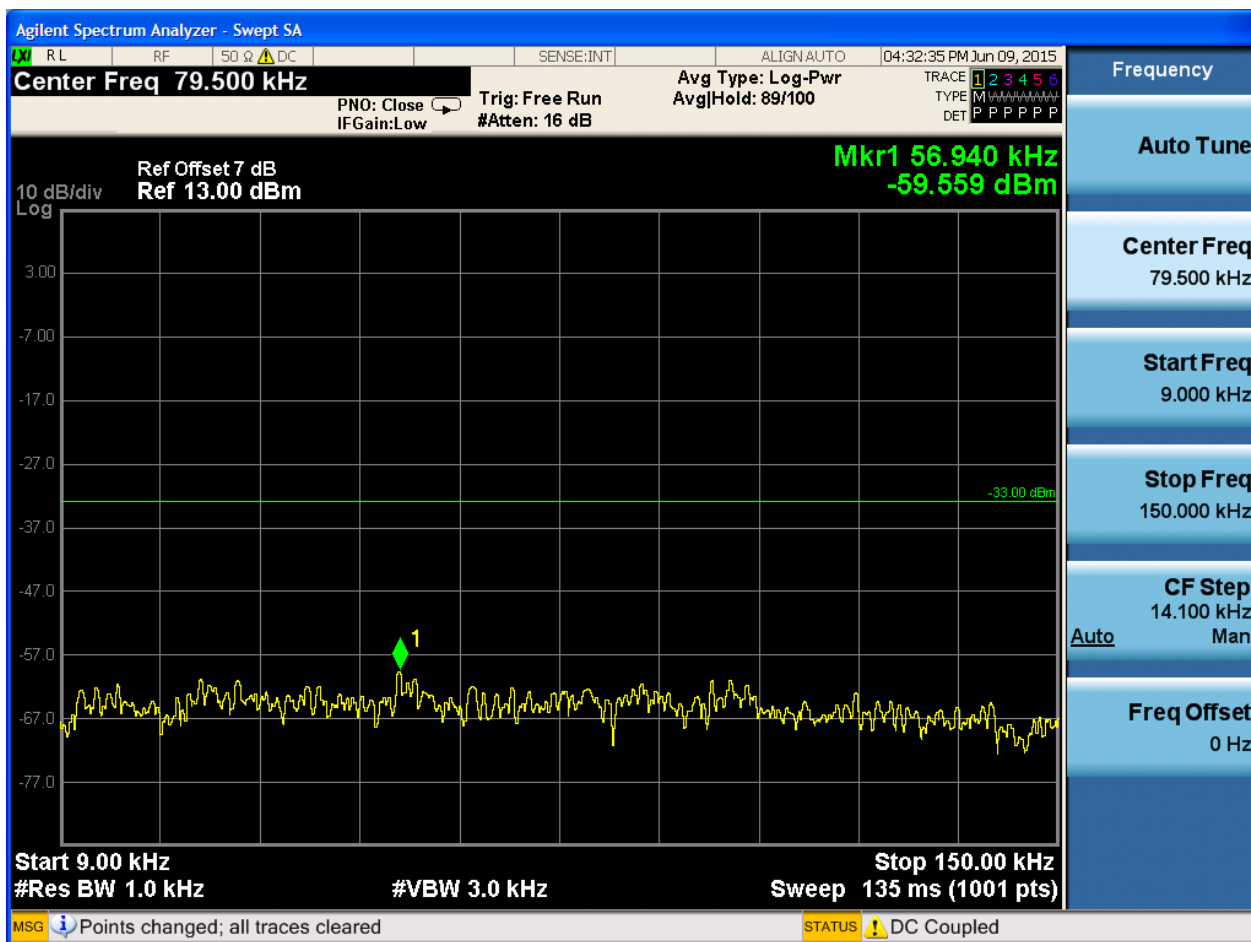


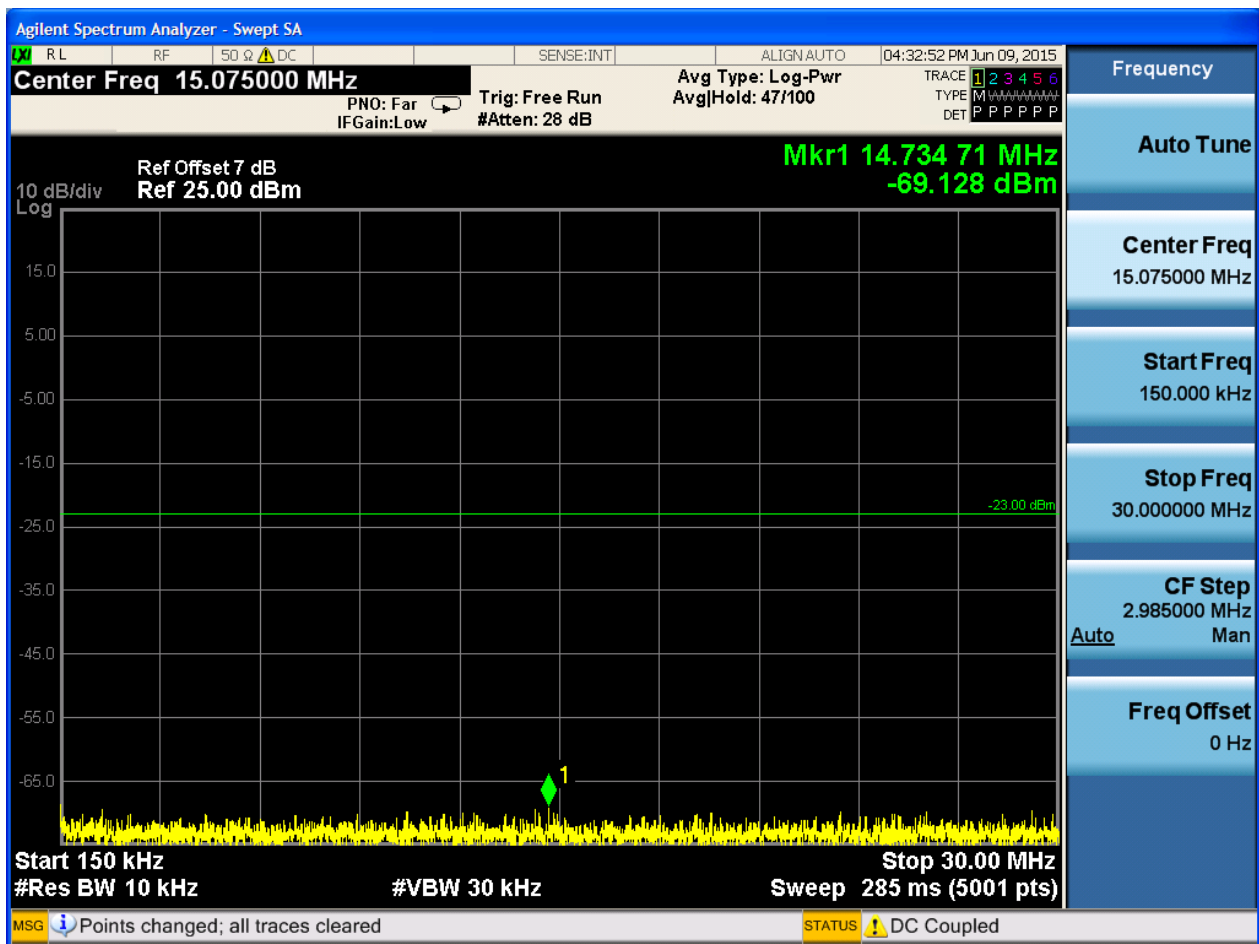


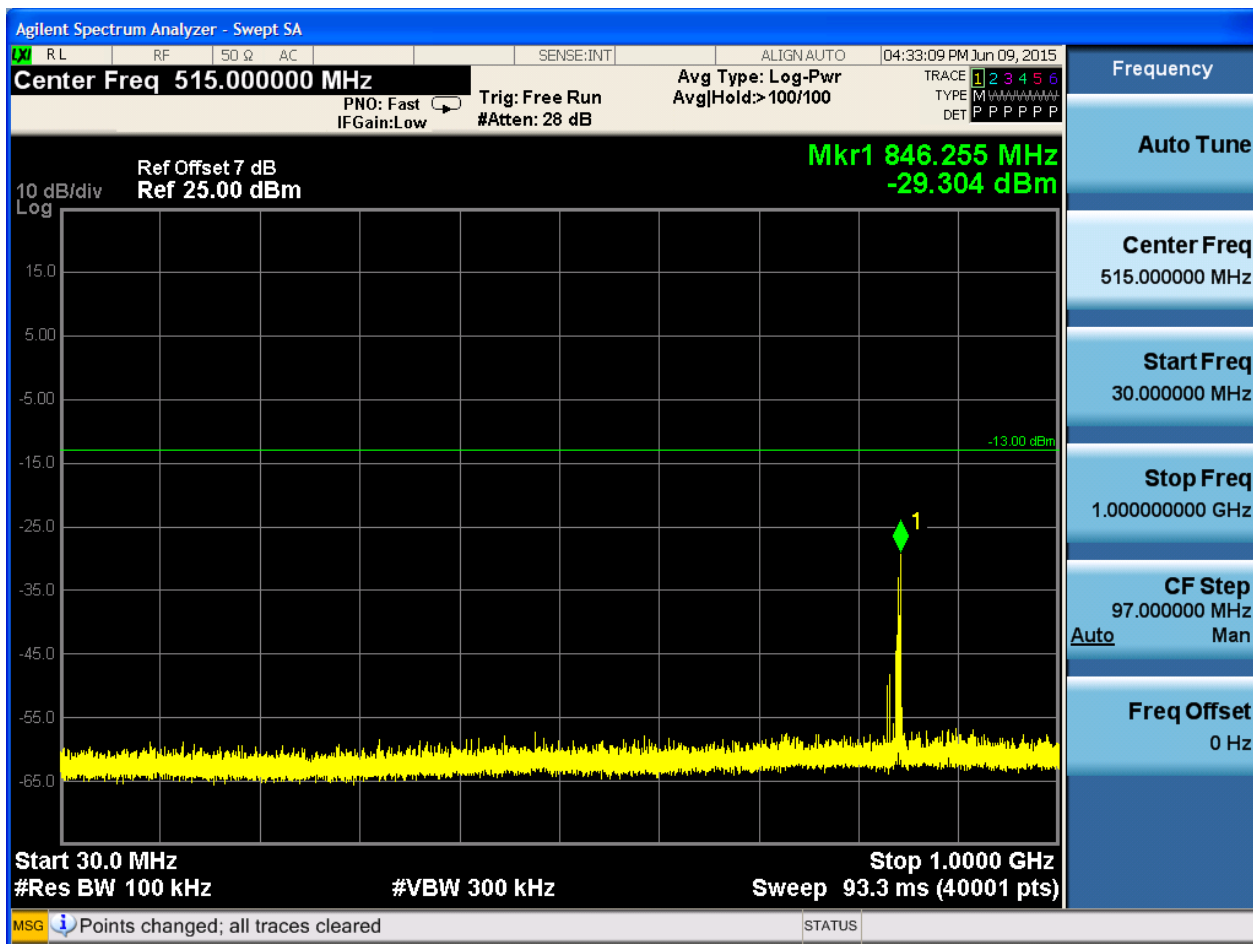


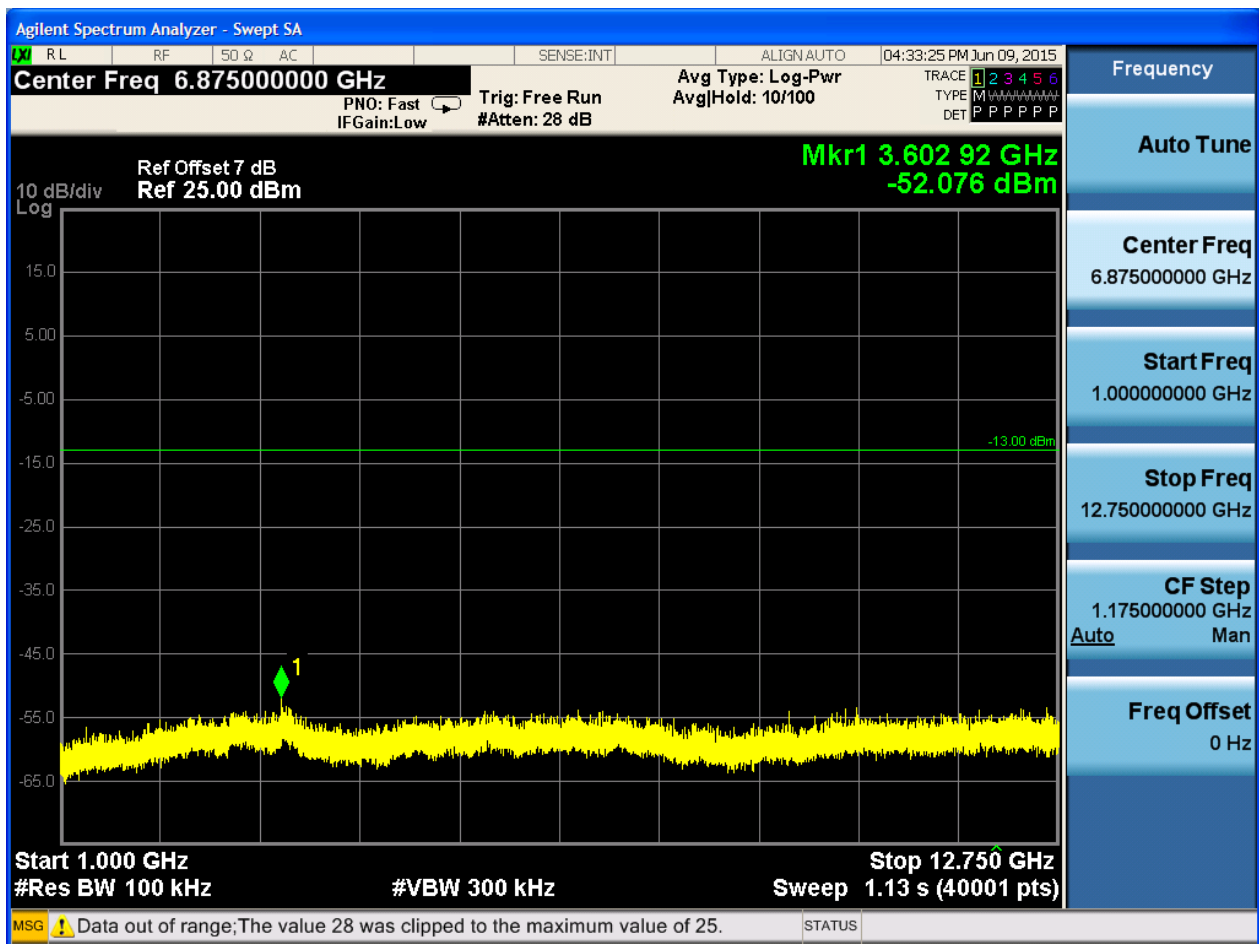
### 6.1.1.1.2.3 Test Channel = HCH

#### 6.1.1.1.2.3.1 Test RB = RB1#0





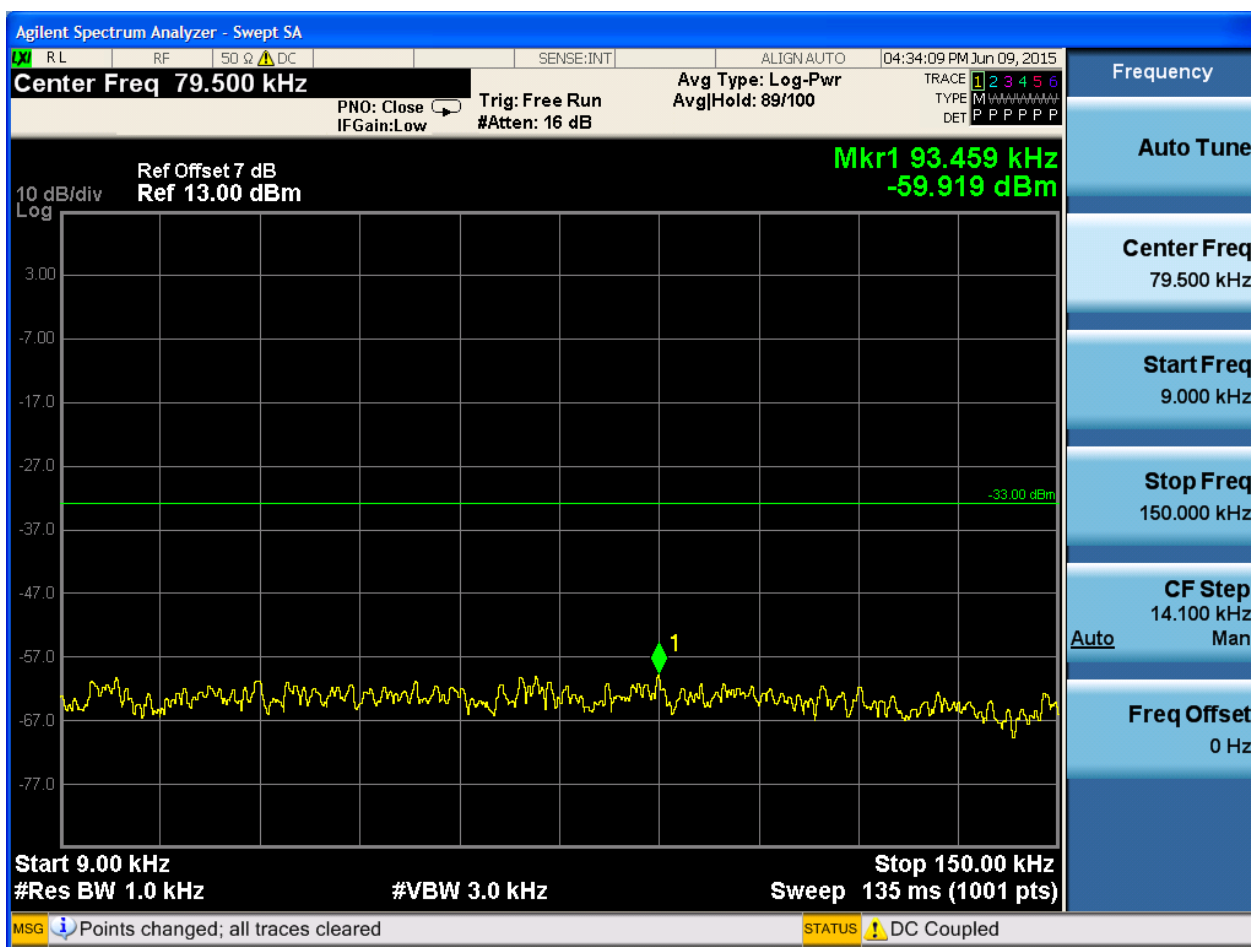




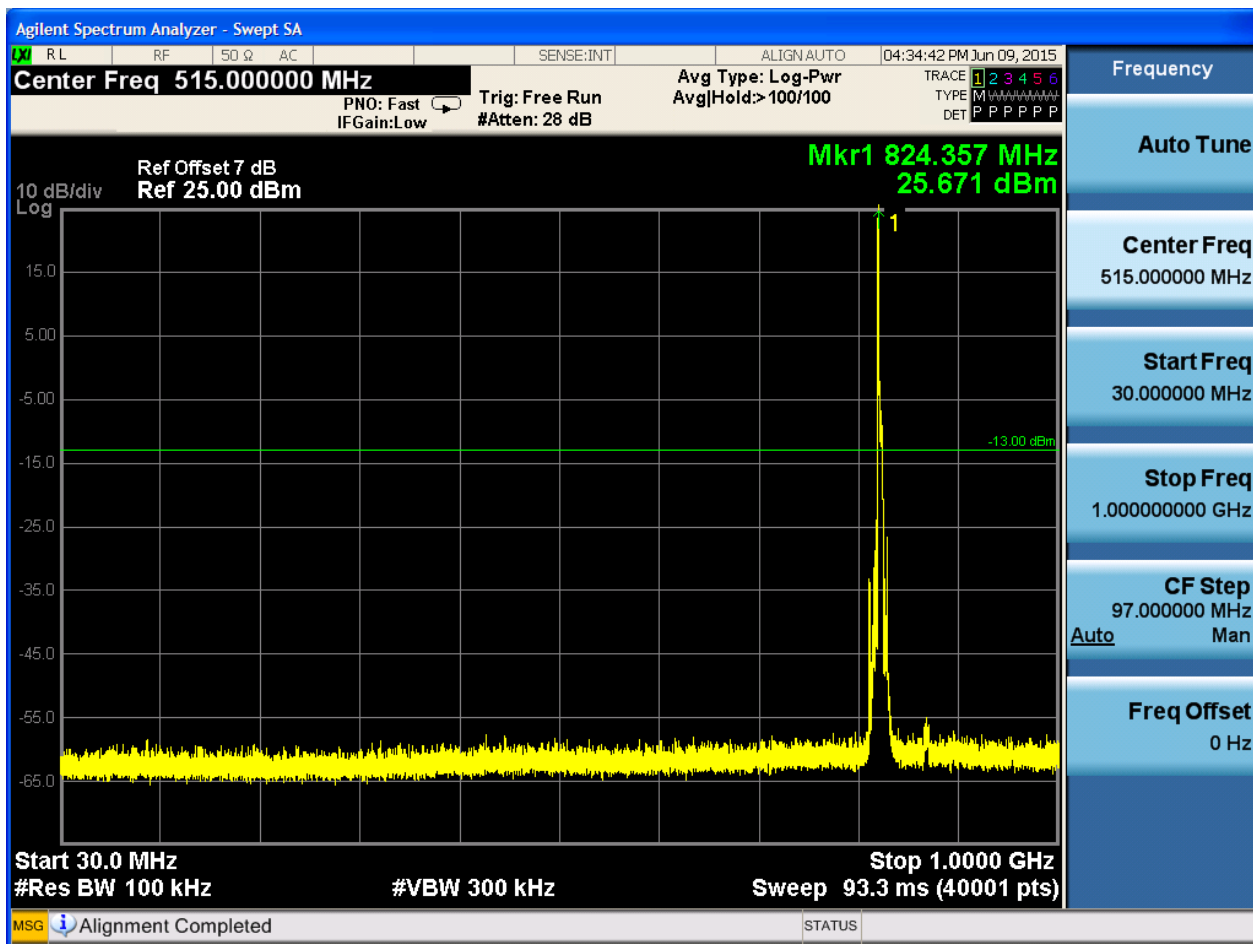
### 6.1.1.1.3 Test Bandwidth = 5

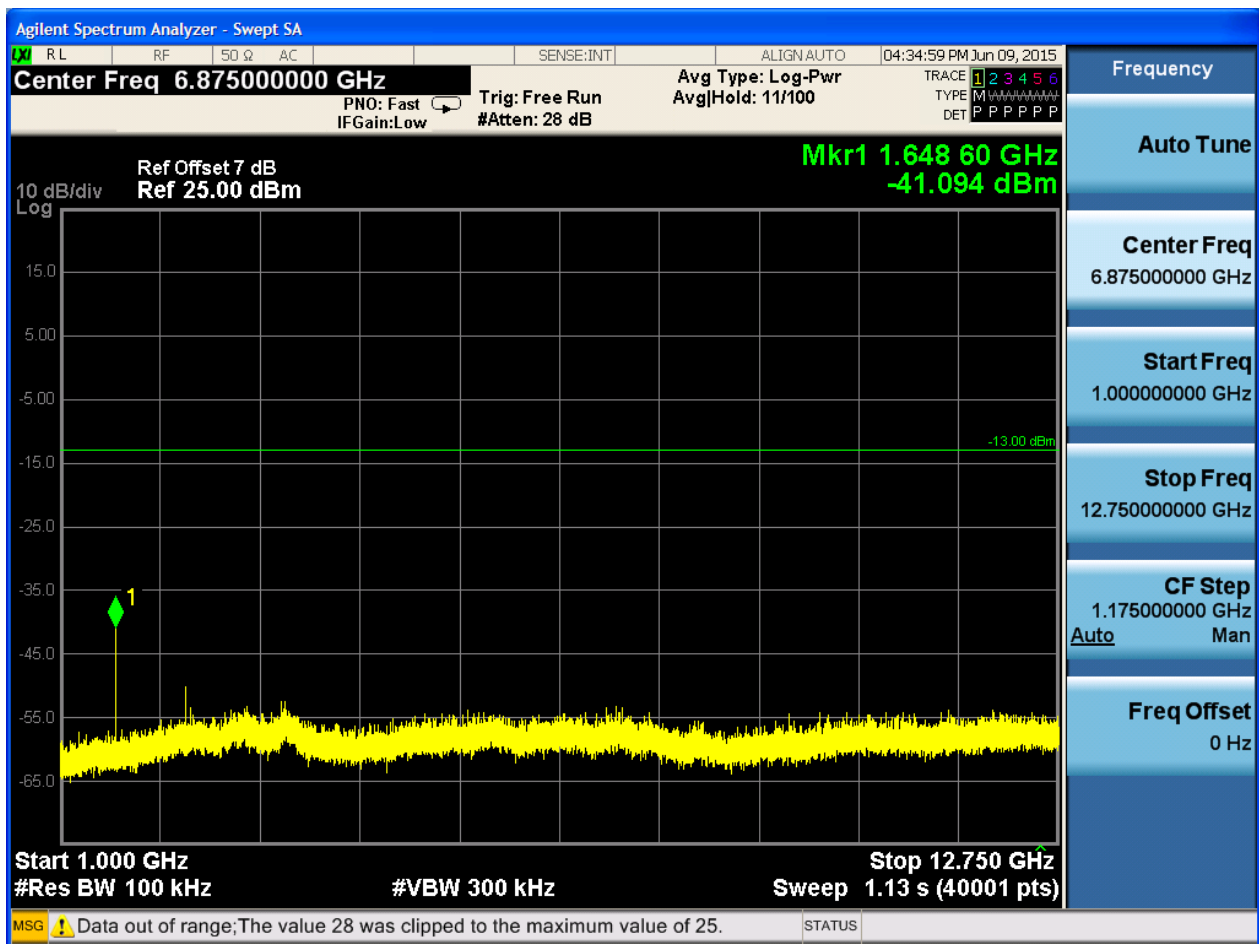
#### 6.1.1.1.3.1 Test Channel = LCH

##### 6.1.1.1.3.1.1 Test RB = RB1#0



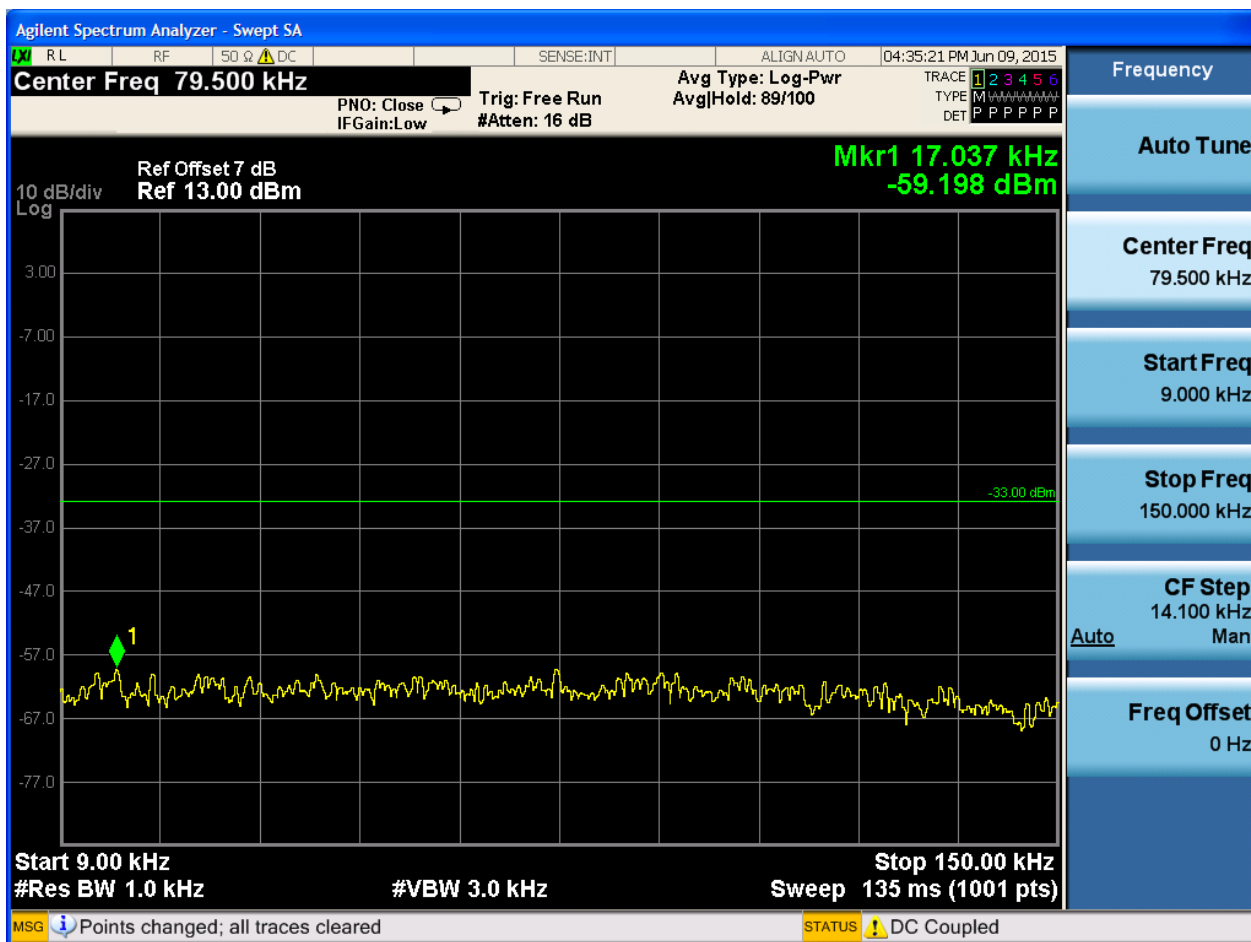


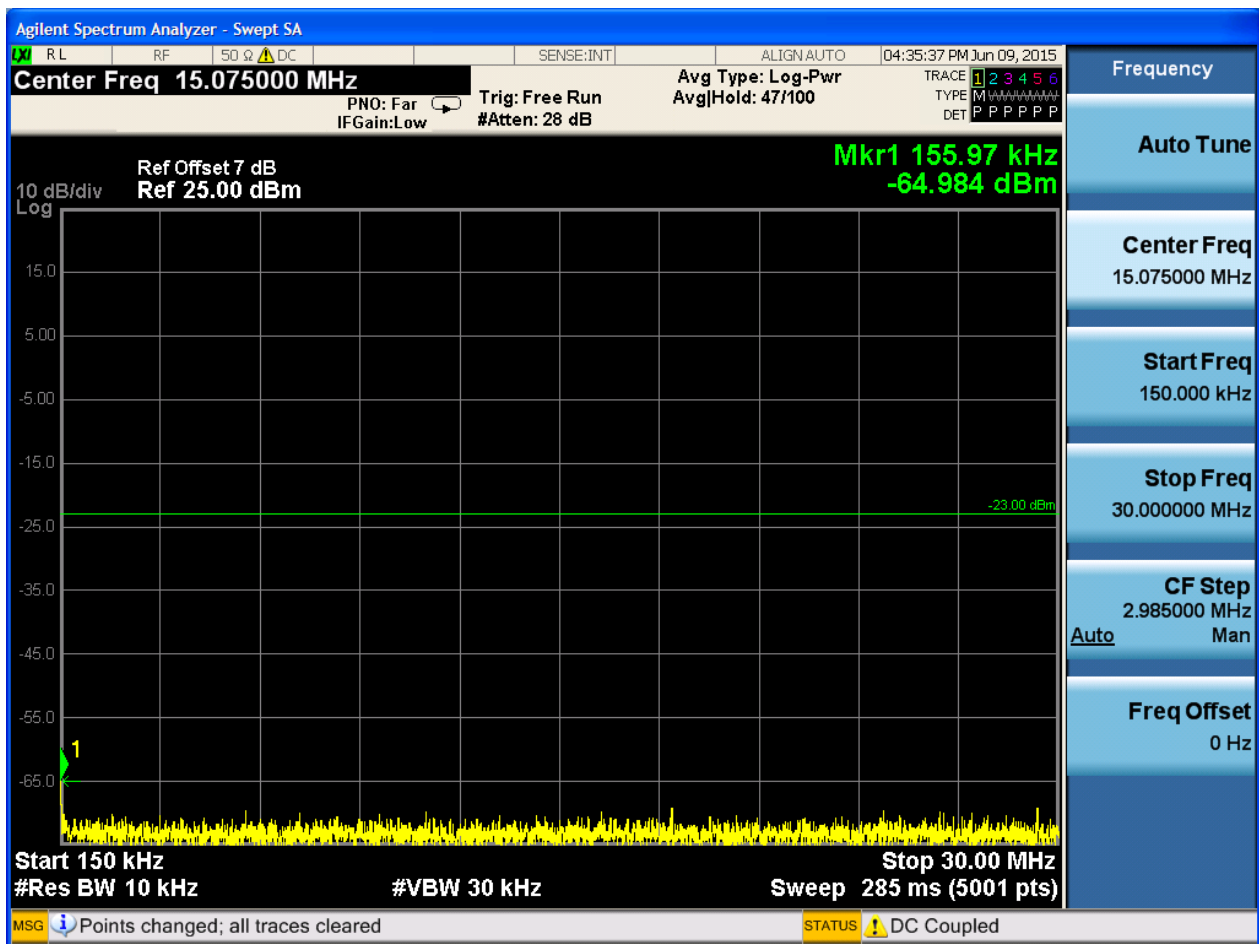


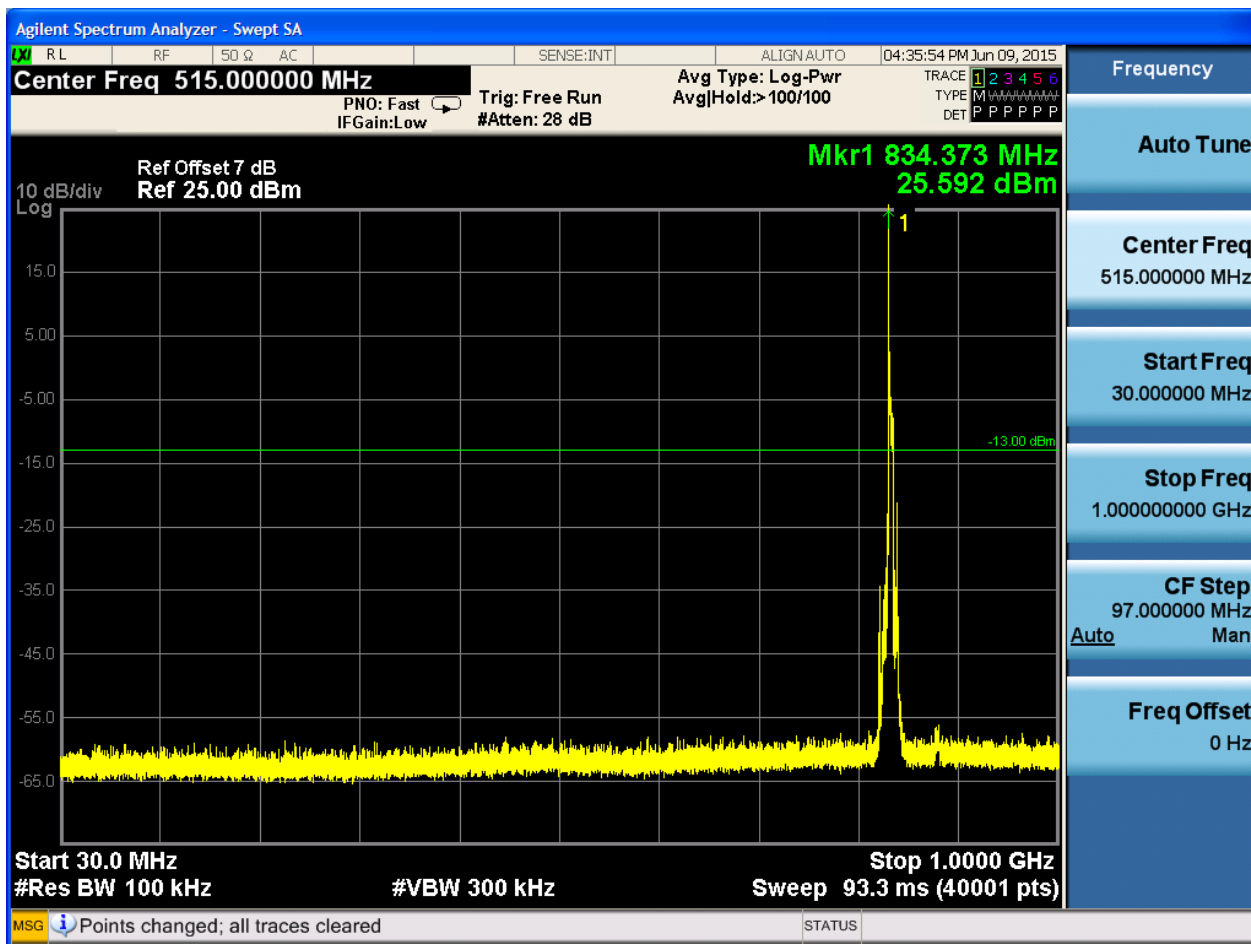


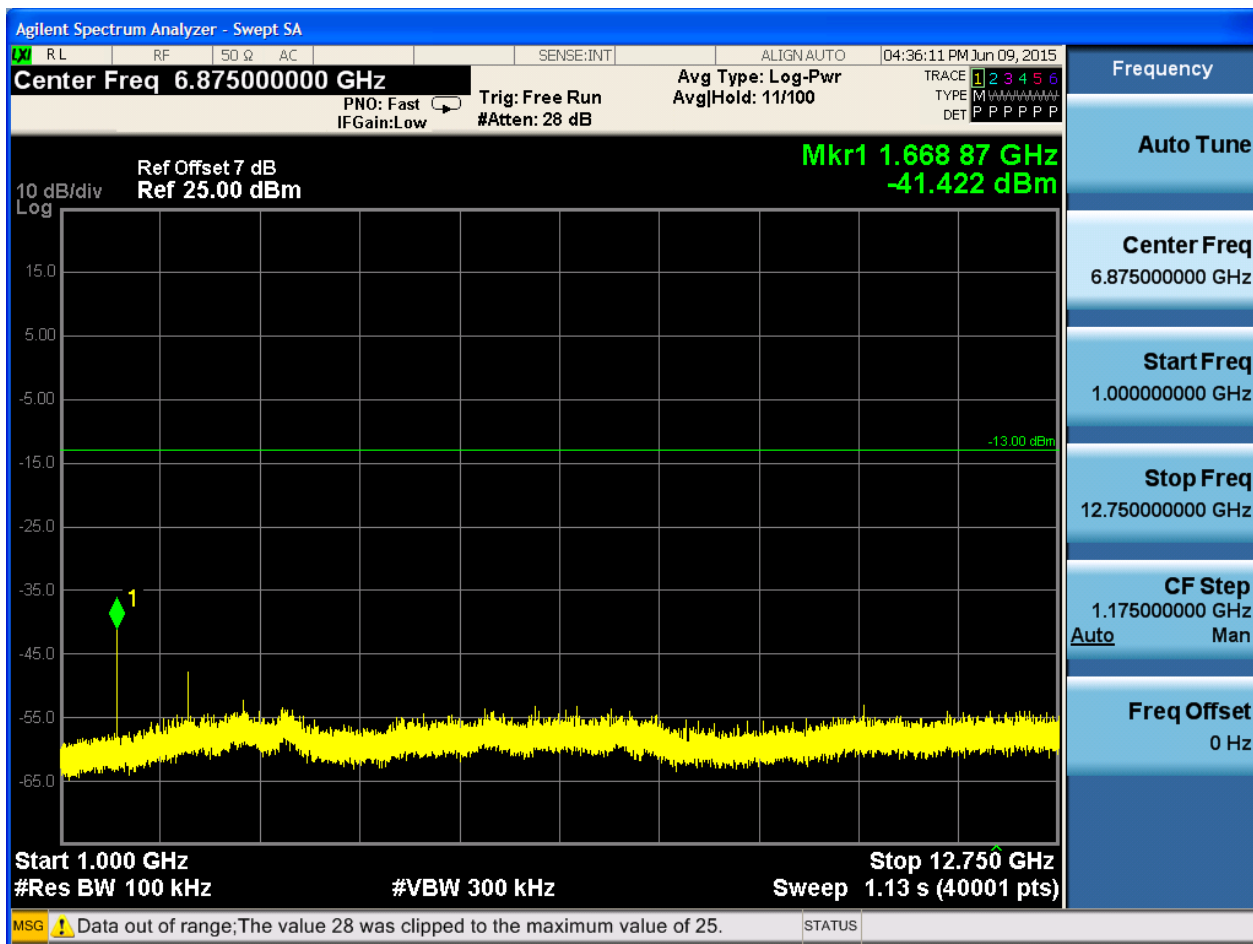
### 6.1.1.1.3.2 Test Channel = MCH

#### 6.1.1.1.3.2.1 Test RB = RB1#0



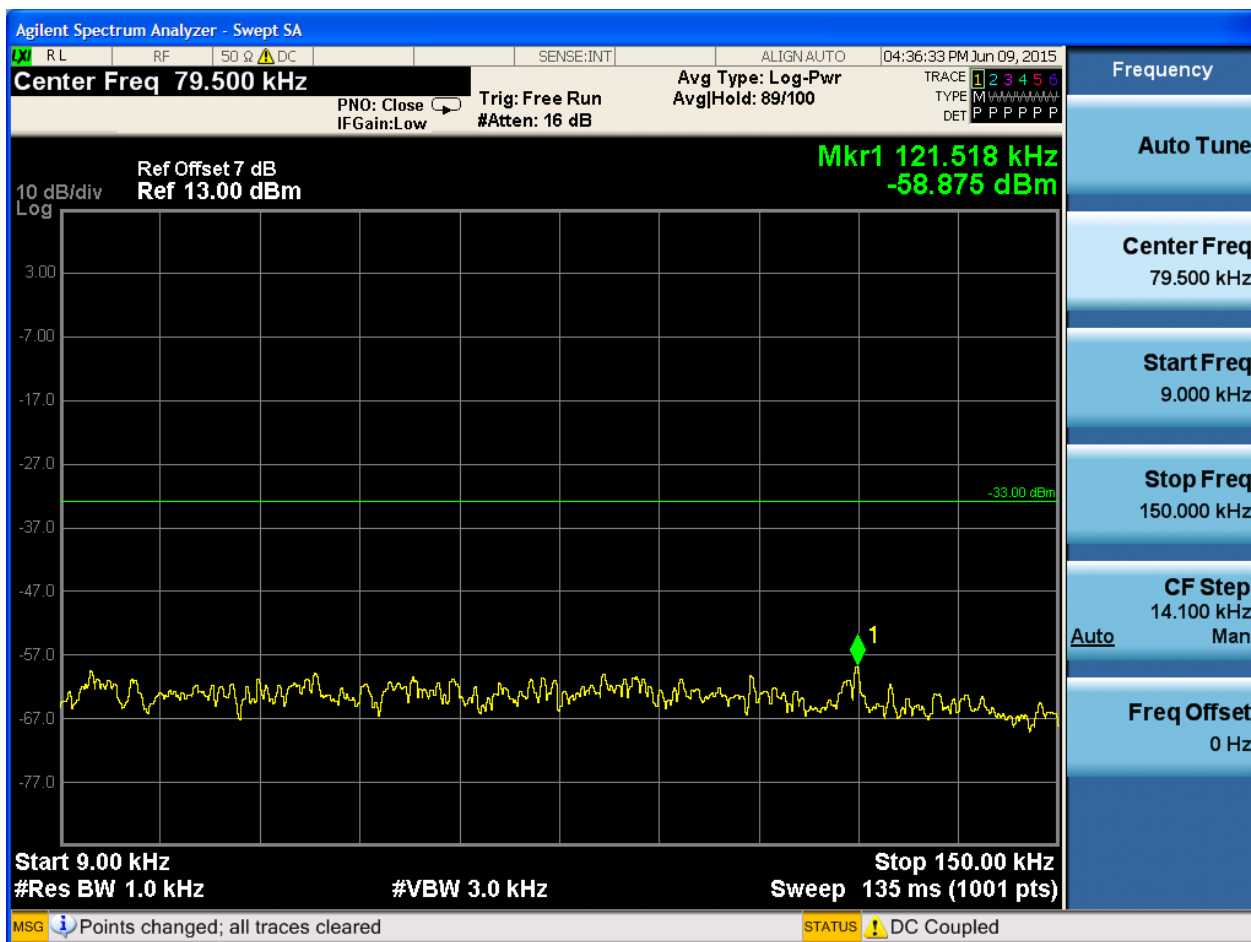


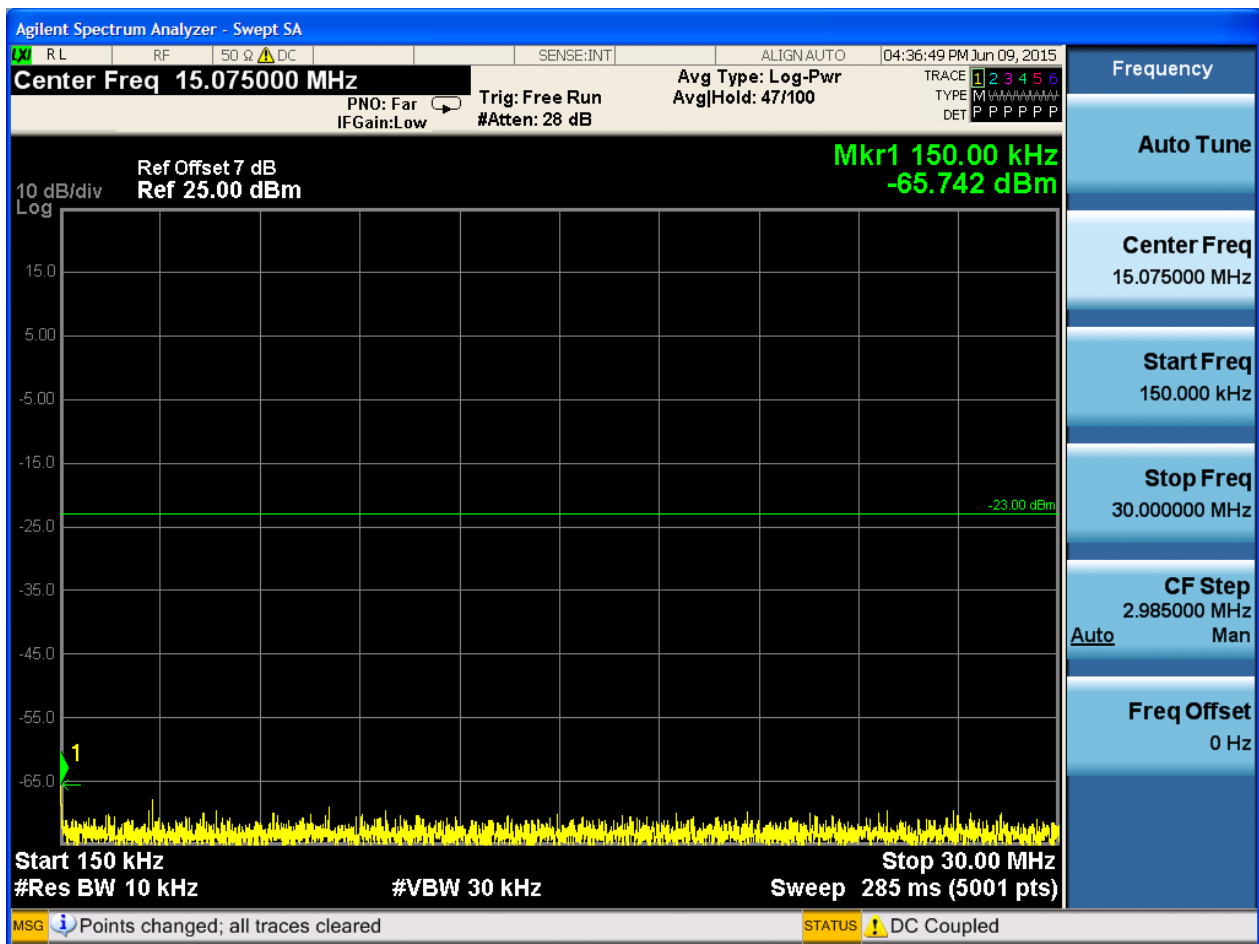


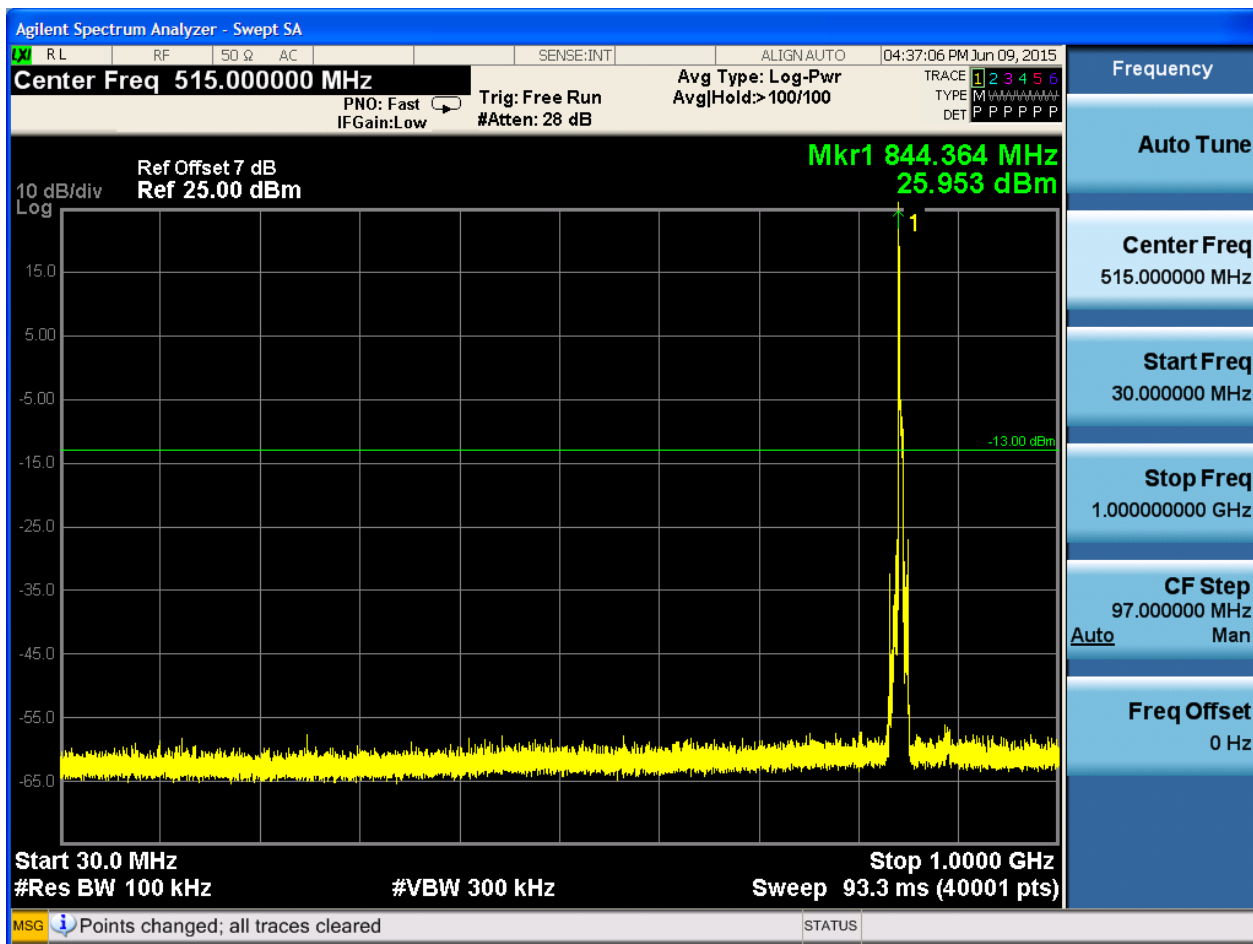


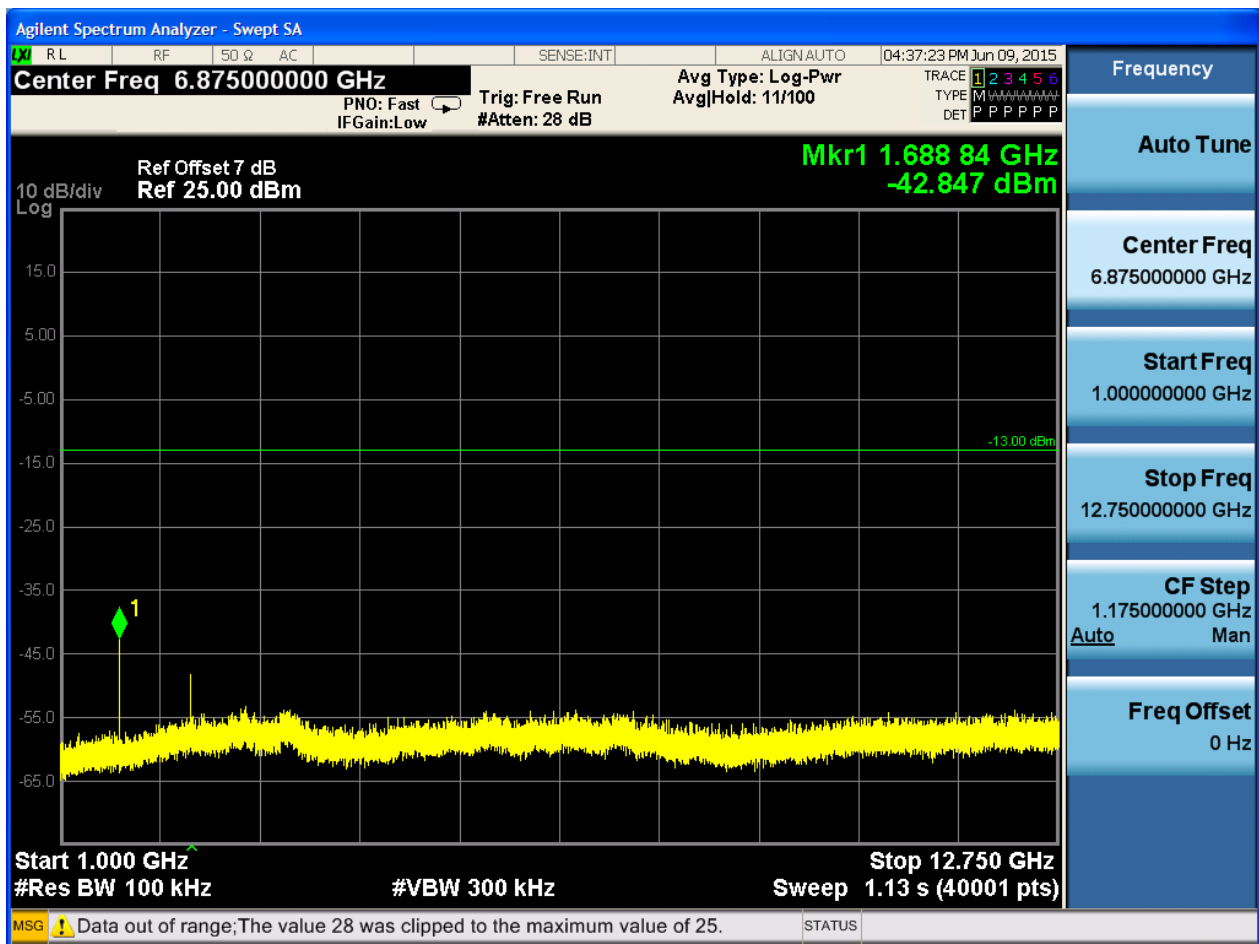
### 6.1.1.1.3.3 Test Channel = HCH

#### 6.1.1.1.3.3.1 Test RB = RB1#0





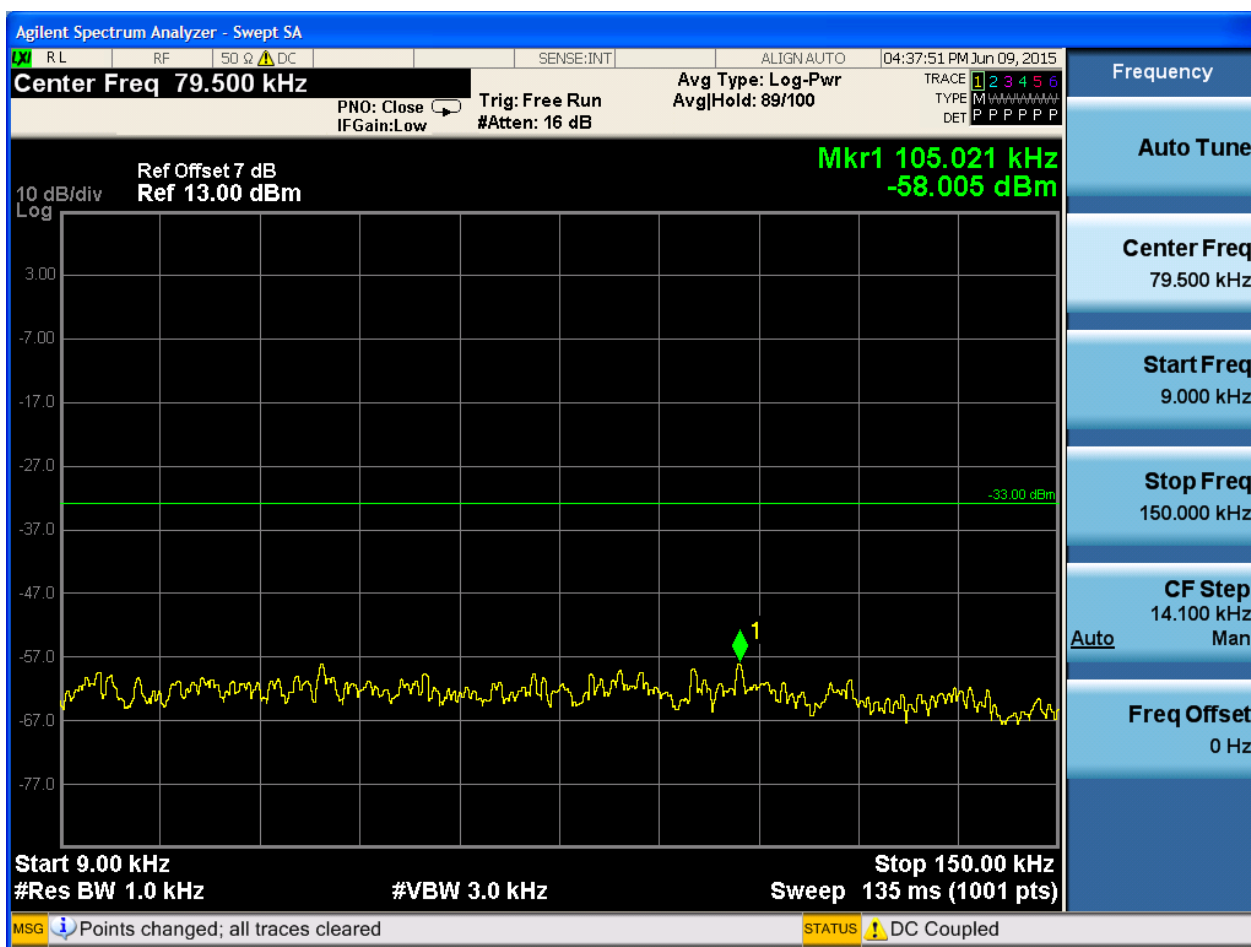


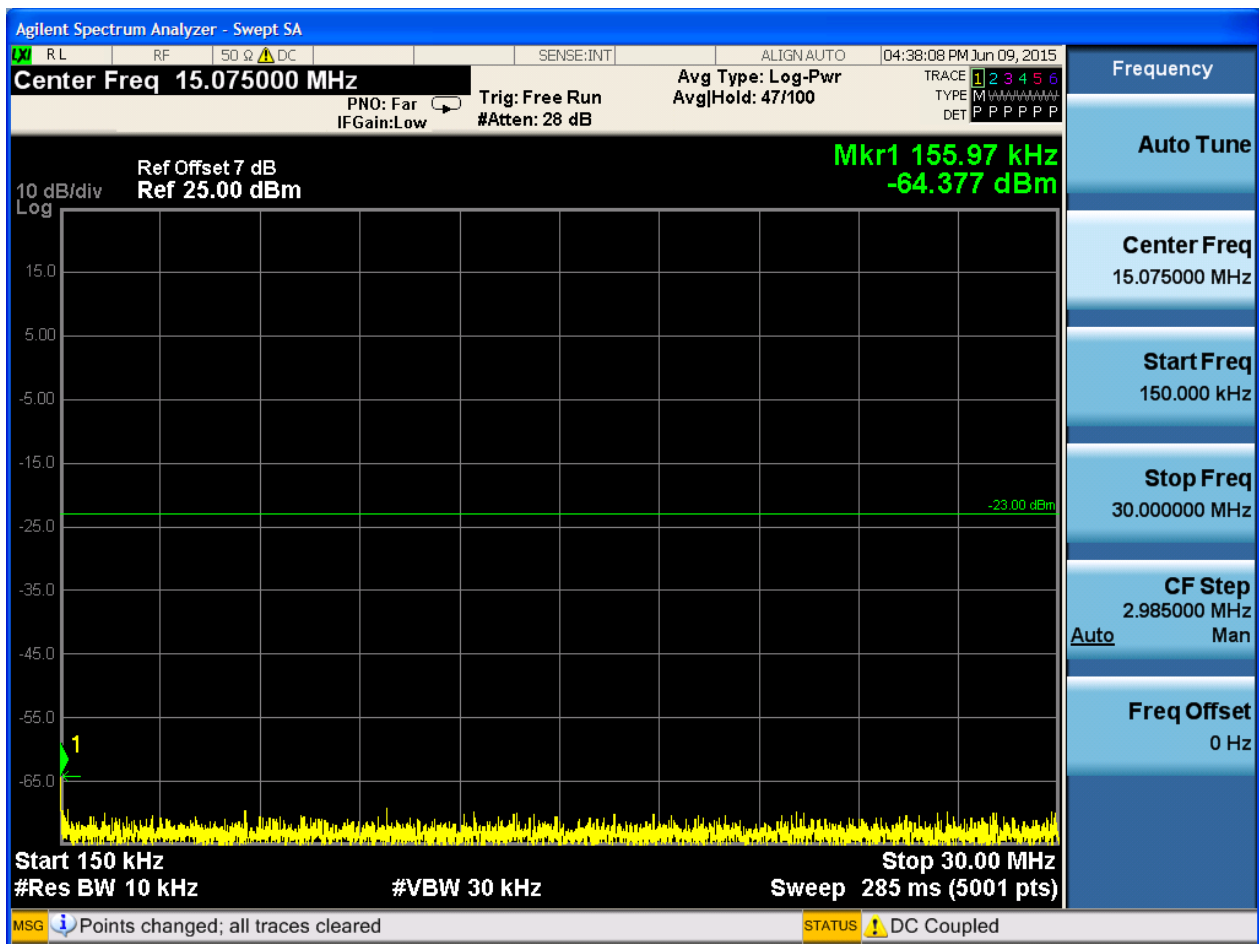


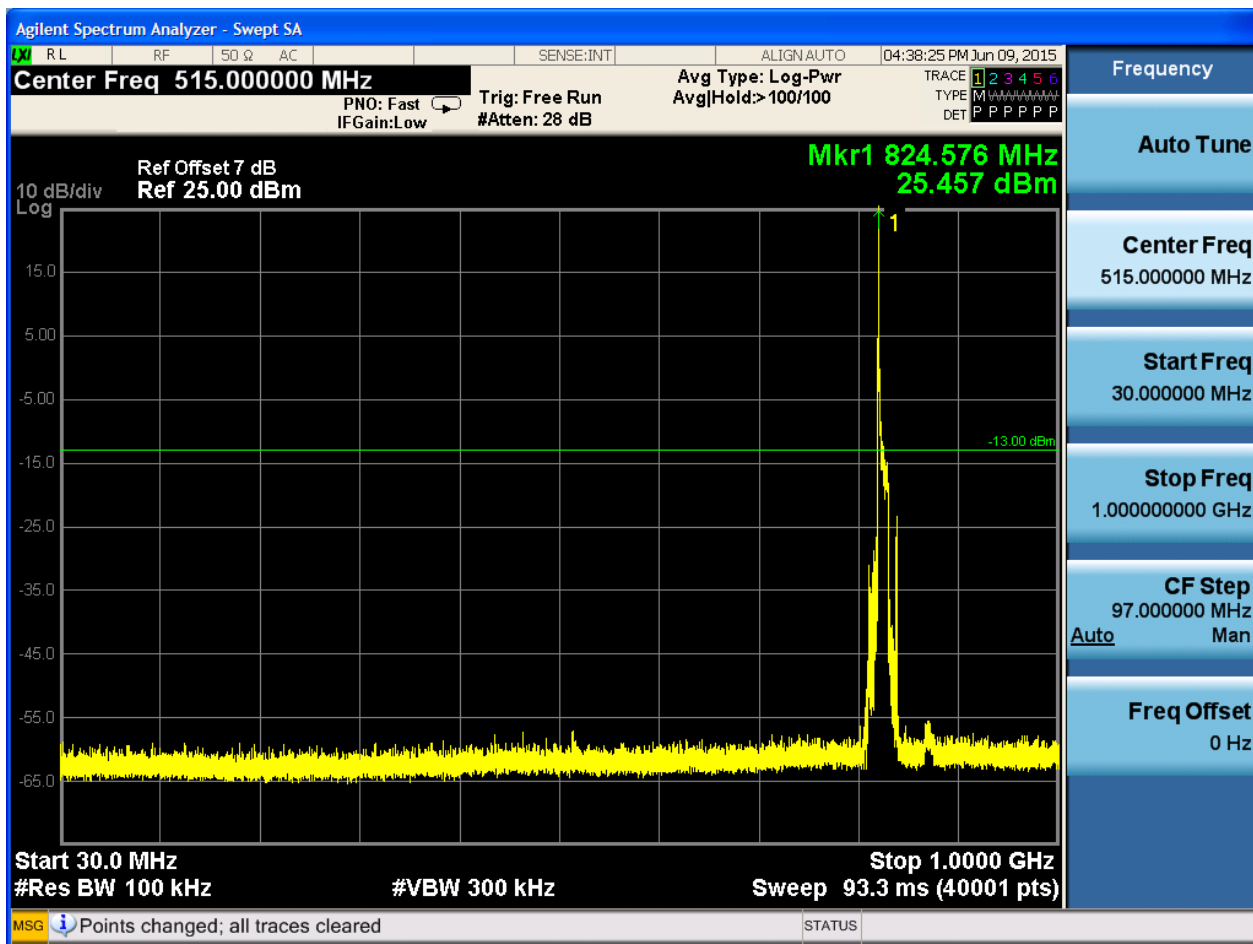
#### 6.1.1.1.4 Test Bandwidth = 10

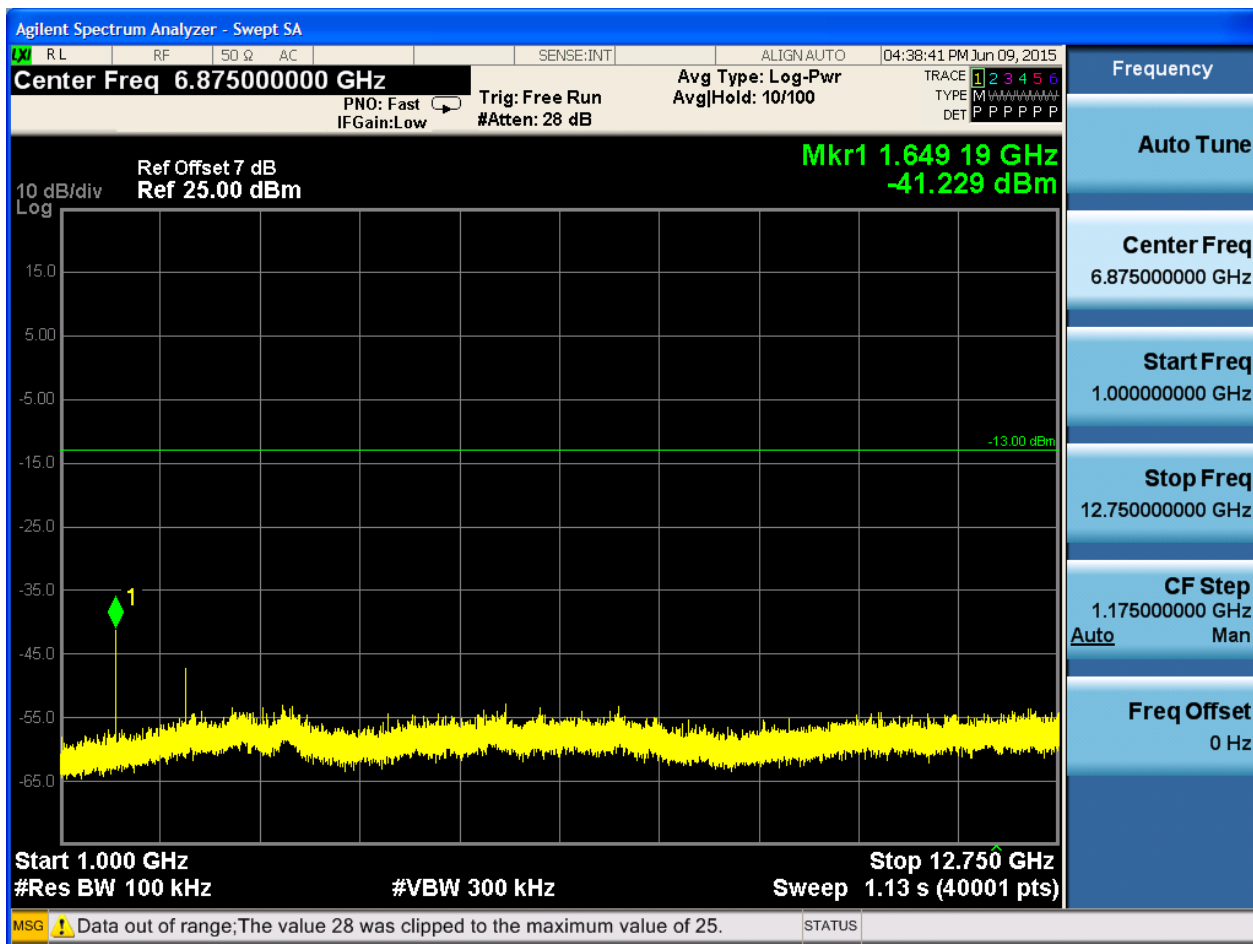
##### 6.1.1.1.4.1 Test Channel = LCH

##### 6.1.1.1.4.1.1 Test RB = RB1#0





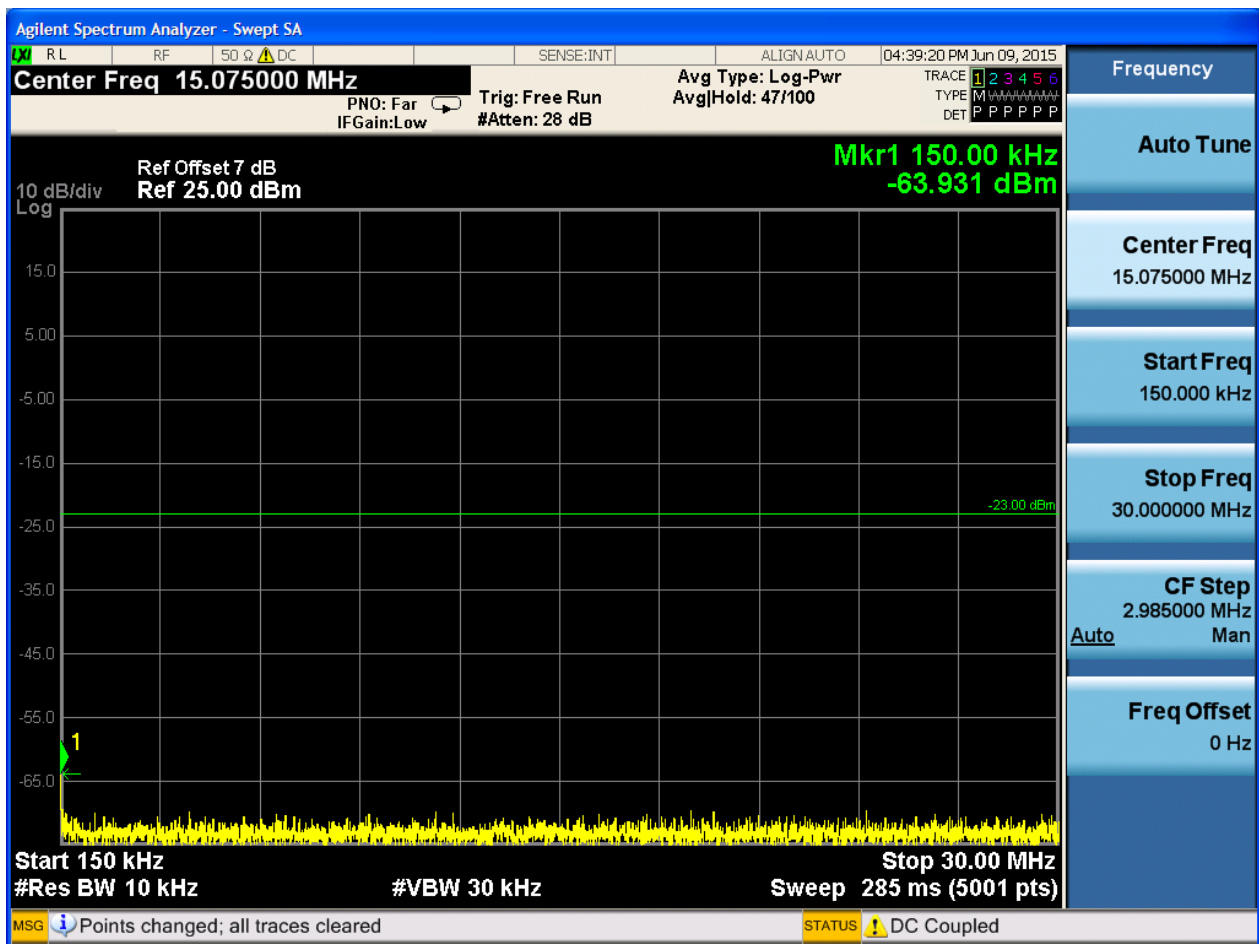


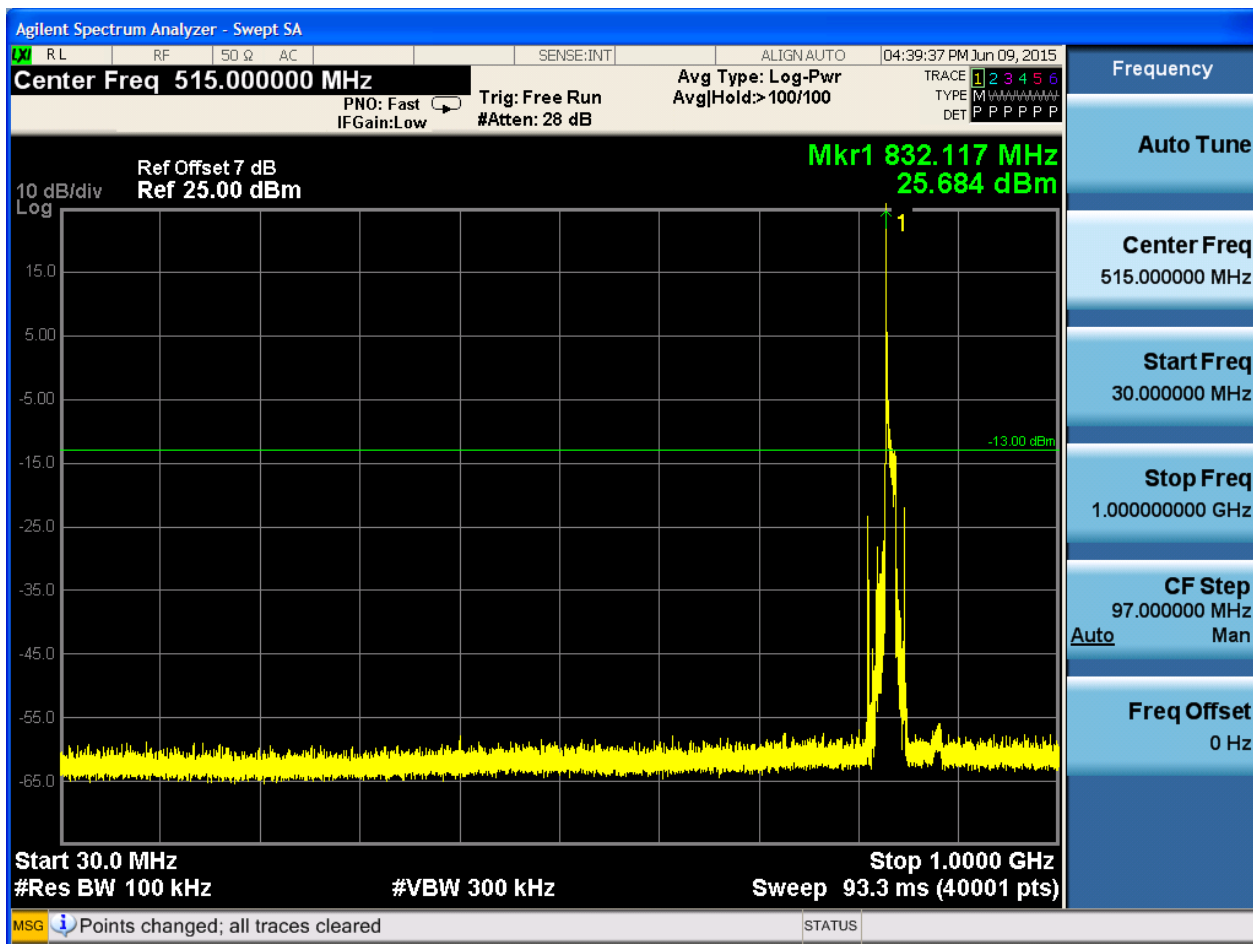


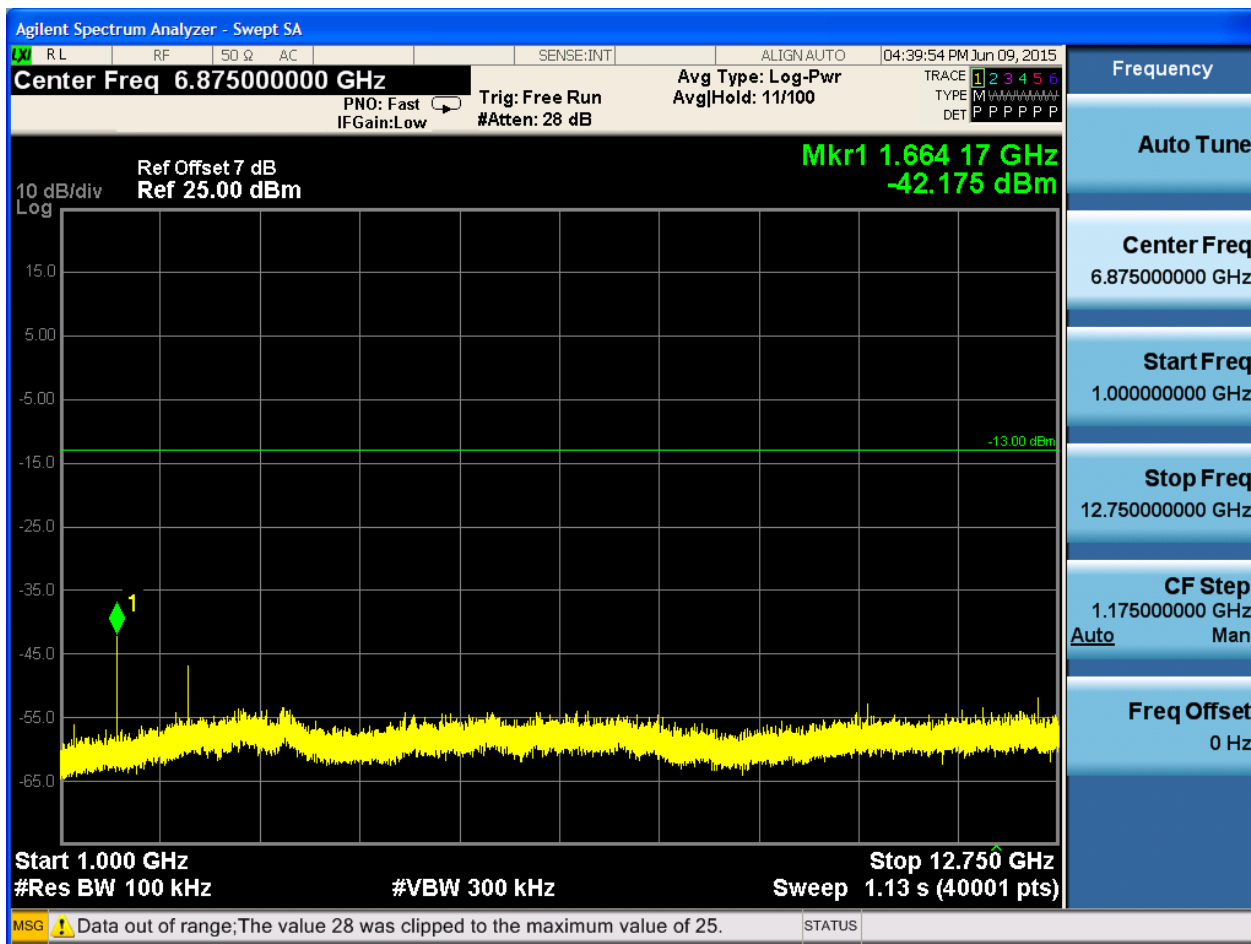
#### 6.1.1.1.4.2 Test Channel = MCH

##### 6.1.1.1.4.2.1 Test RB = RB1#0



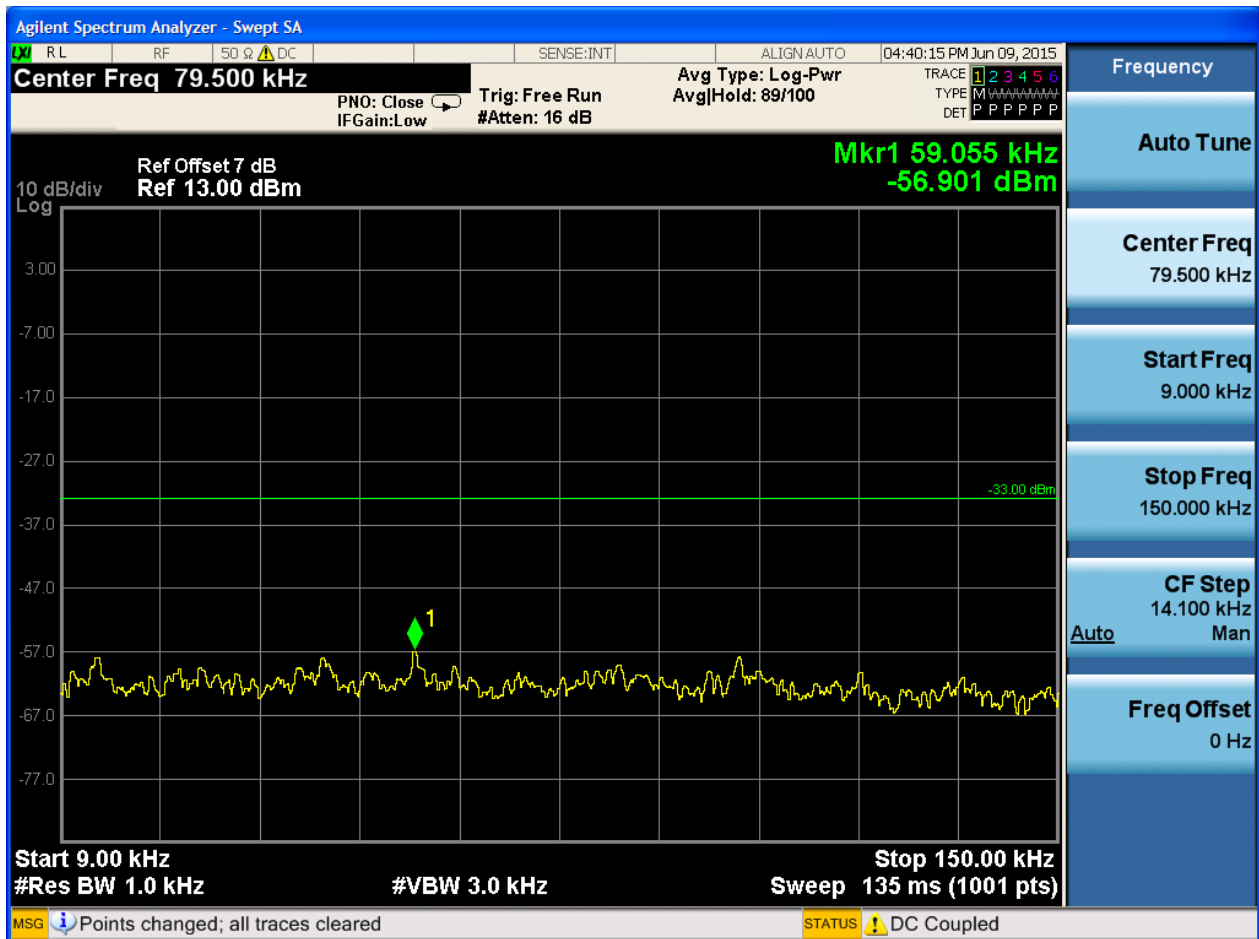


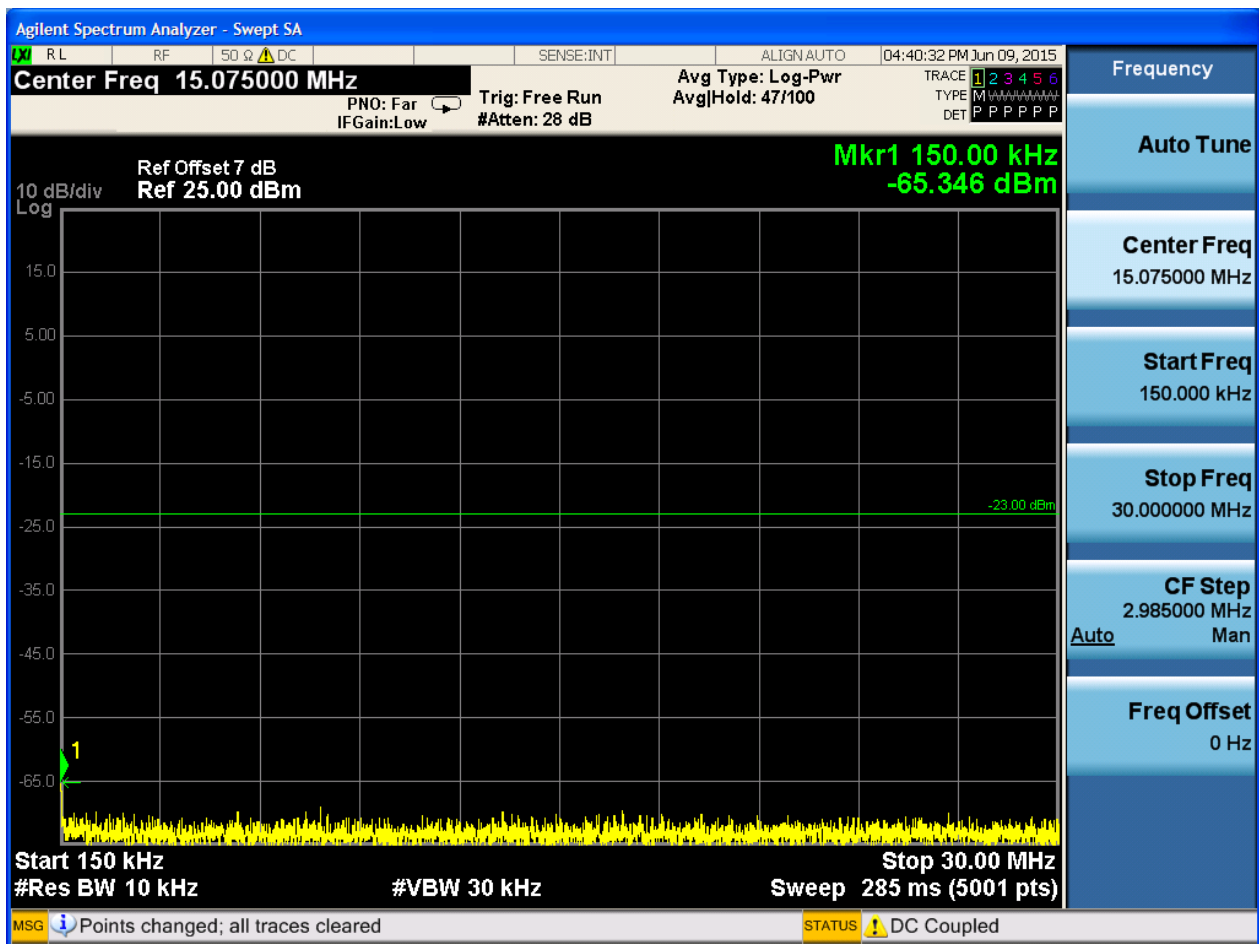


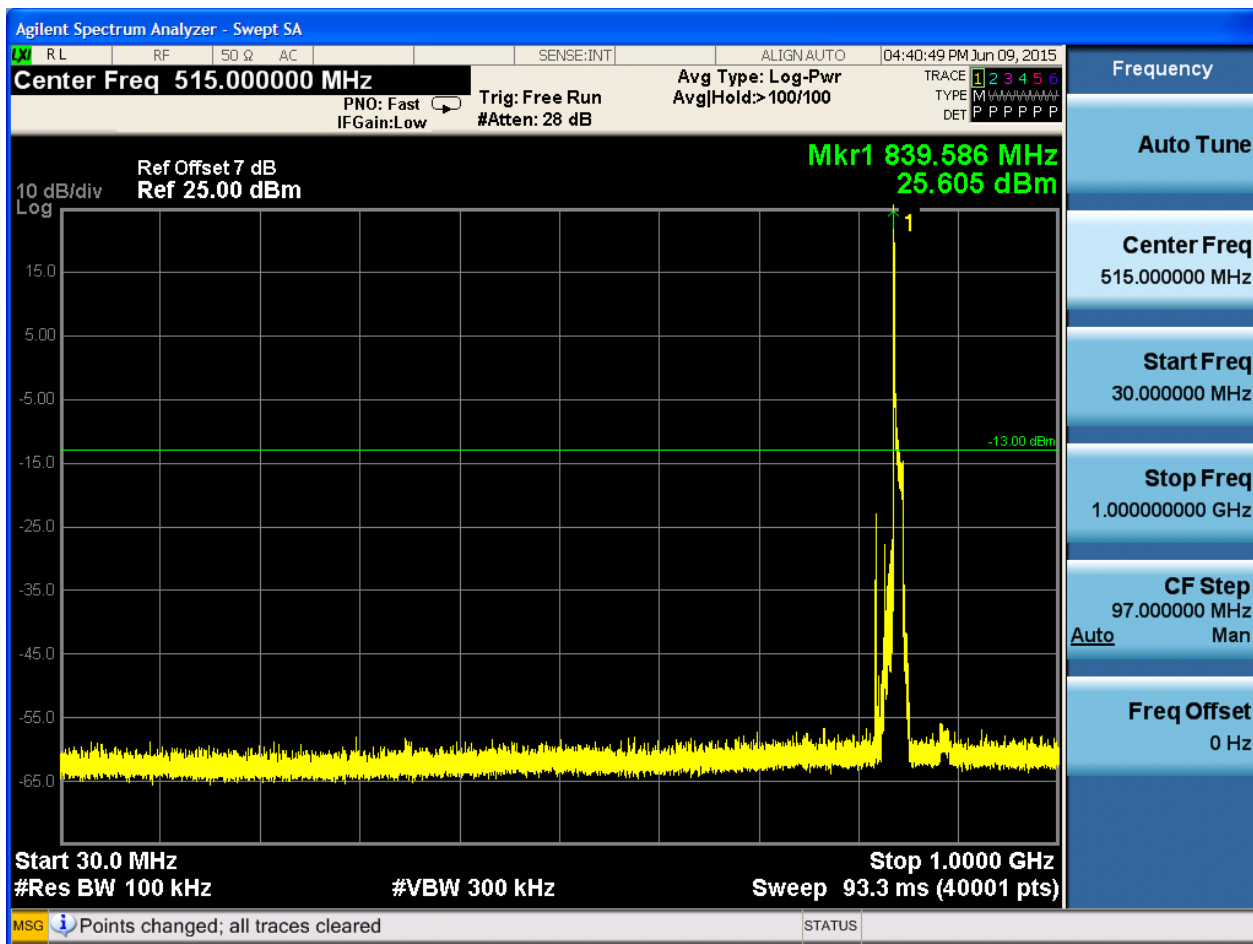


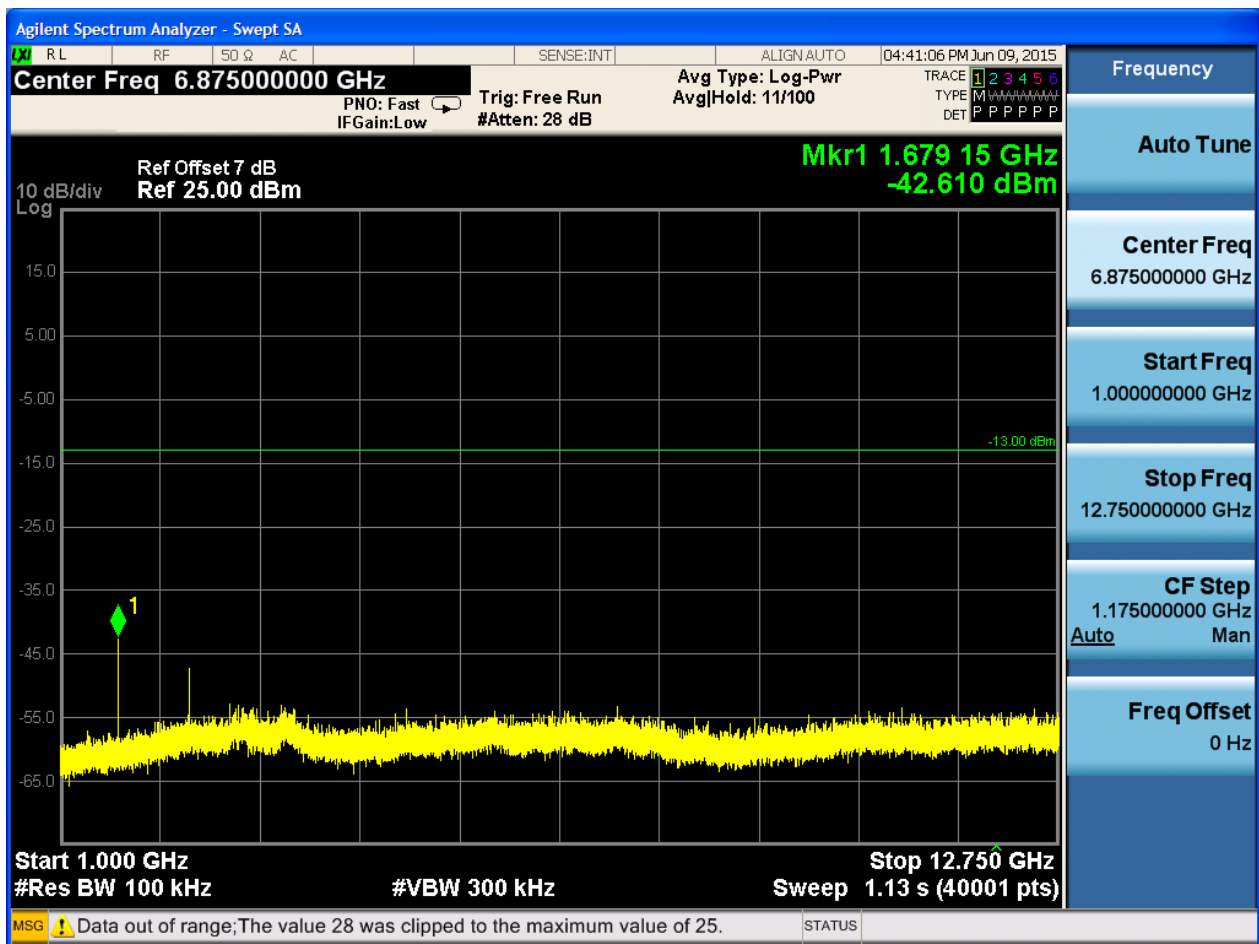
### 6.1.1.1.4.3 Test Channel = HCH

#### 6.1.1.1.4.3.1 Test RB = RB1#0





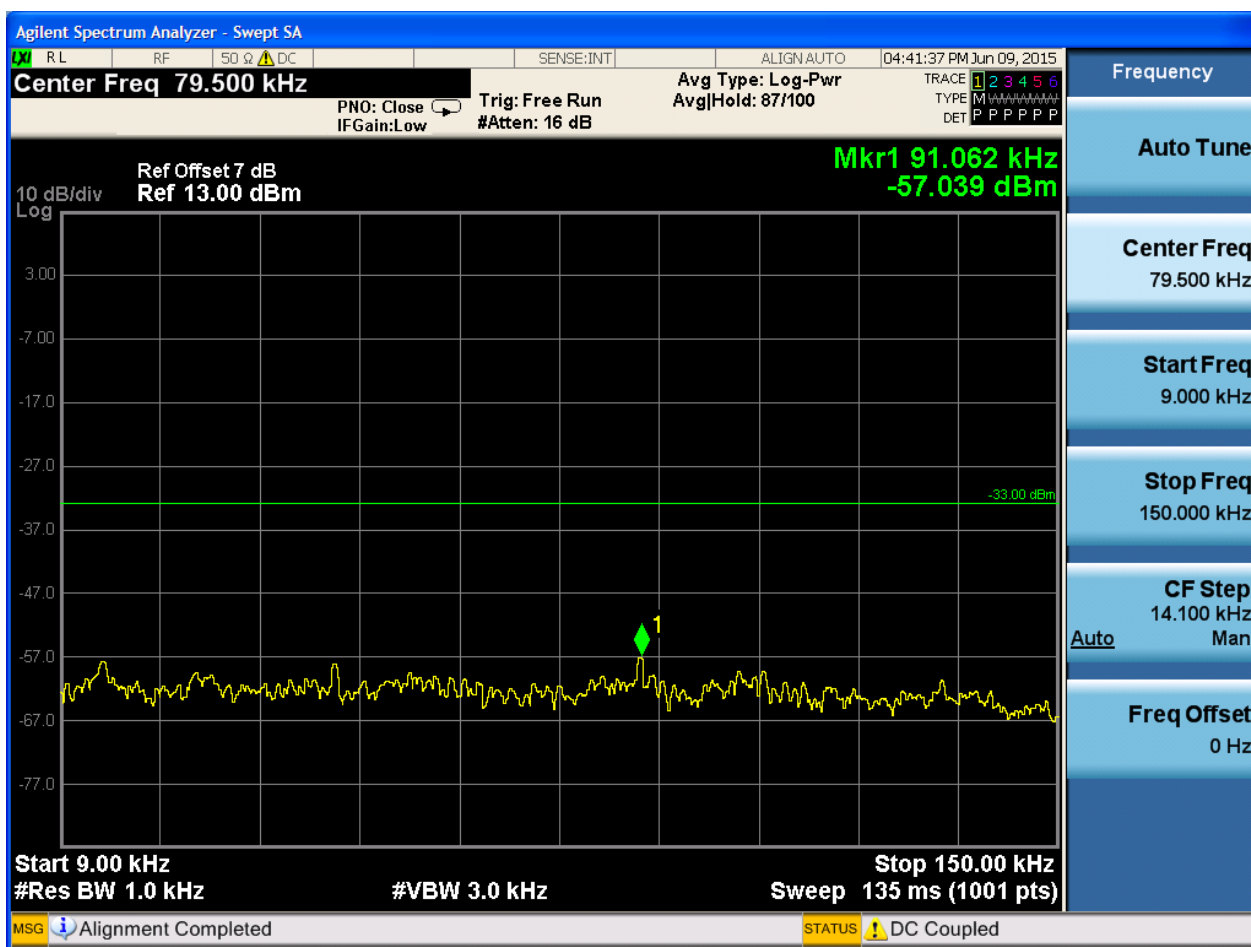


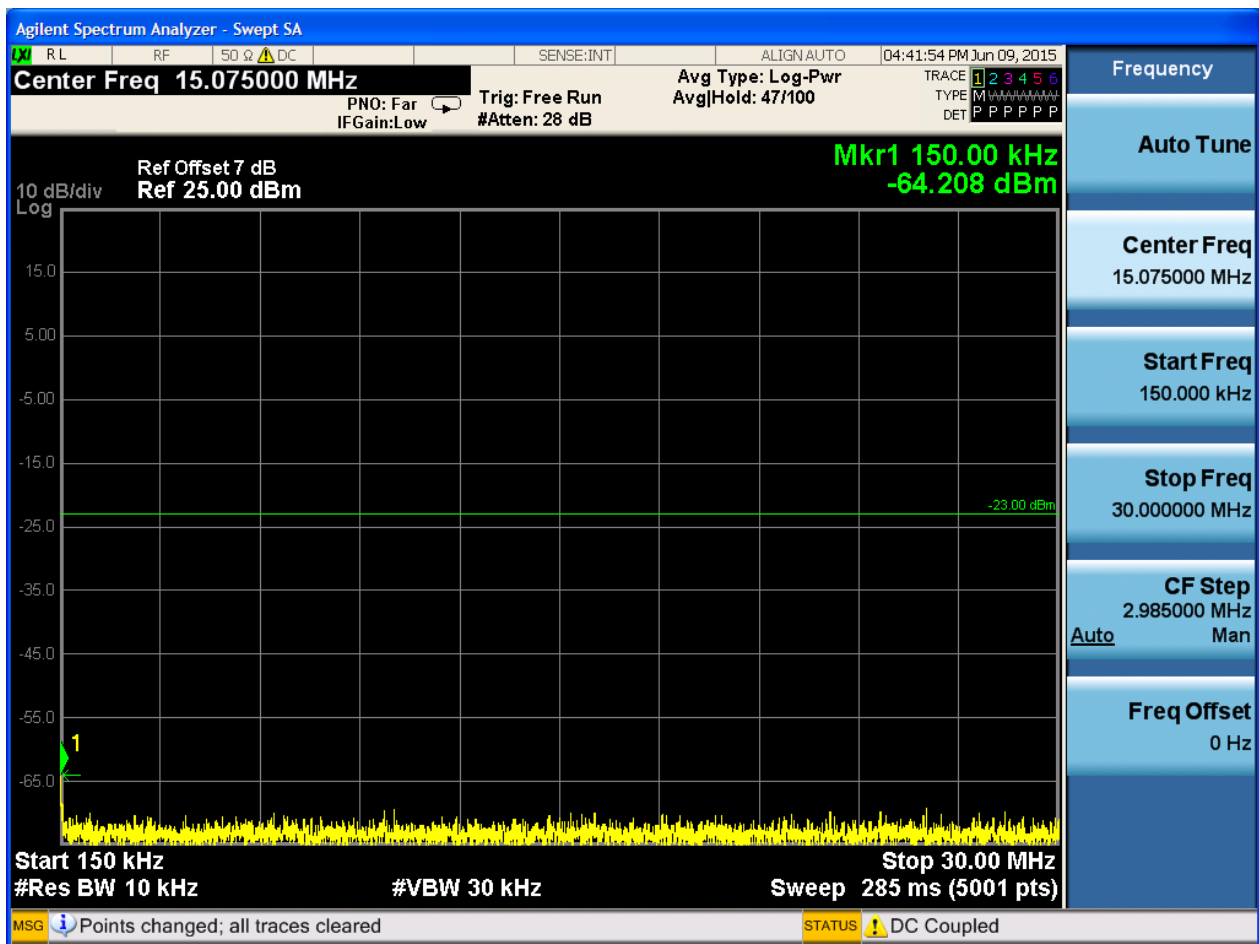


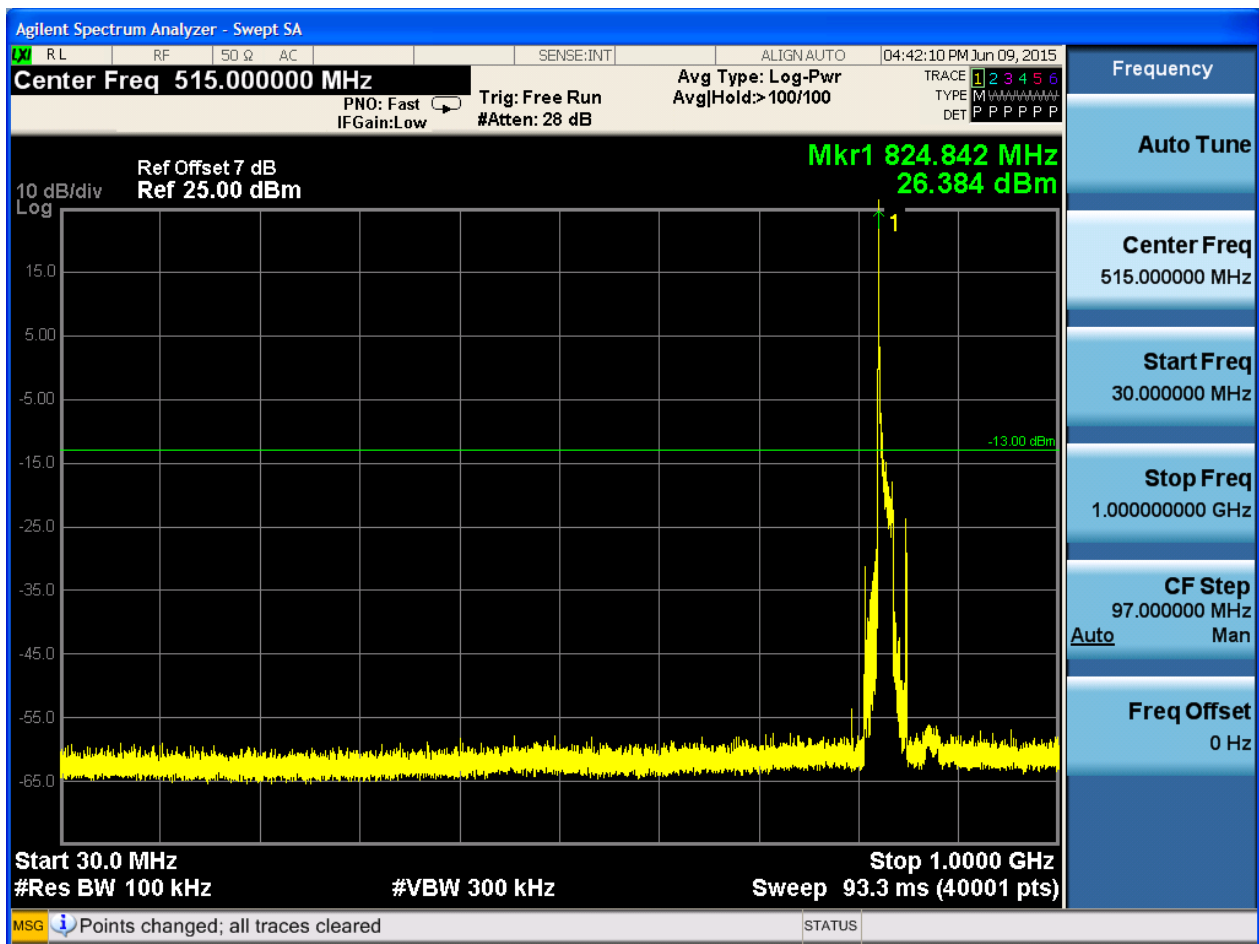
### 6.1.1.1.5 Test Bandwidth = 15

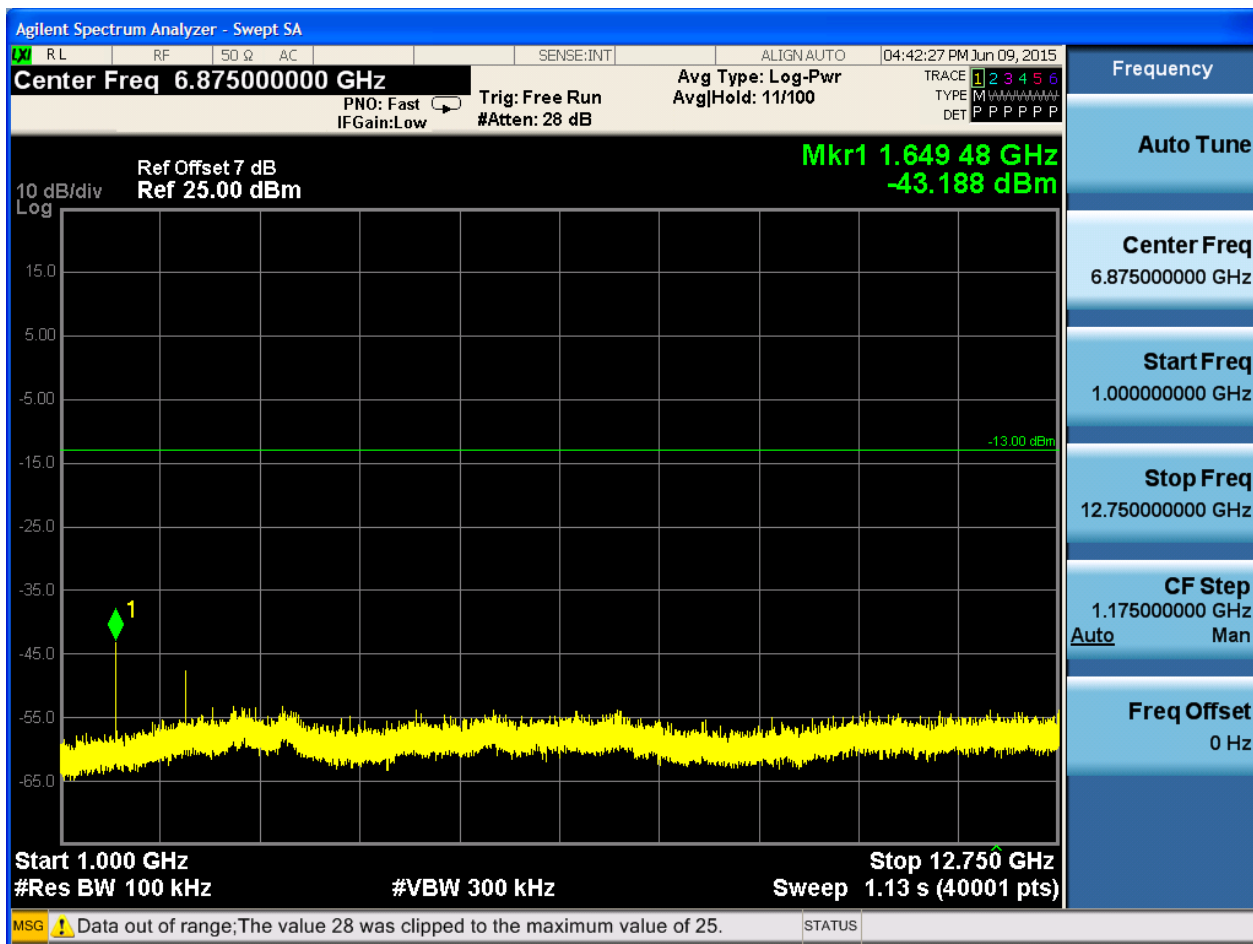
#### 6.1.1.1.5.1 Test Channel = LCH

##### 6.1.1.1.5.1.1 Test RB = RB1#0





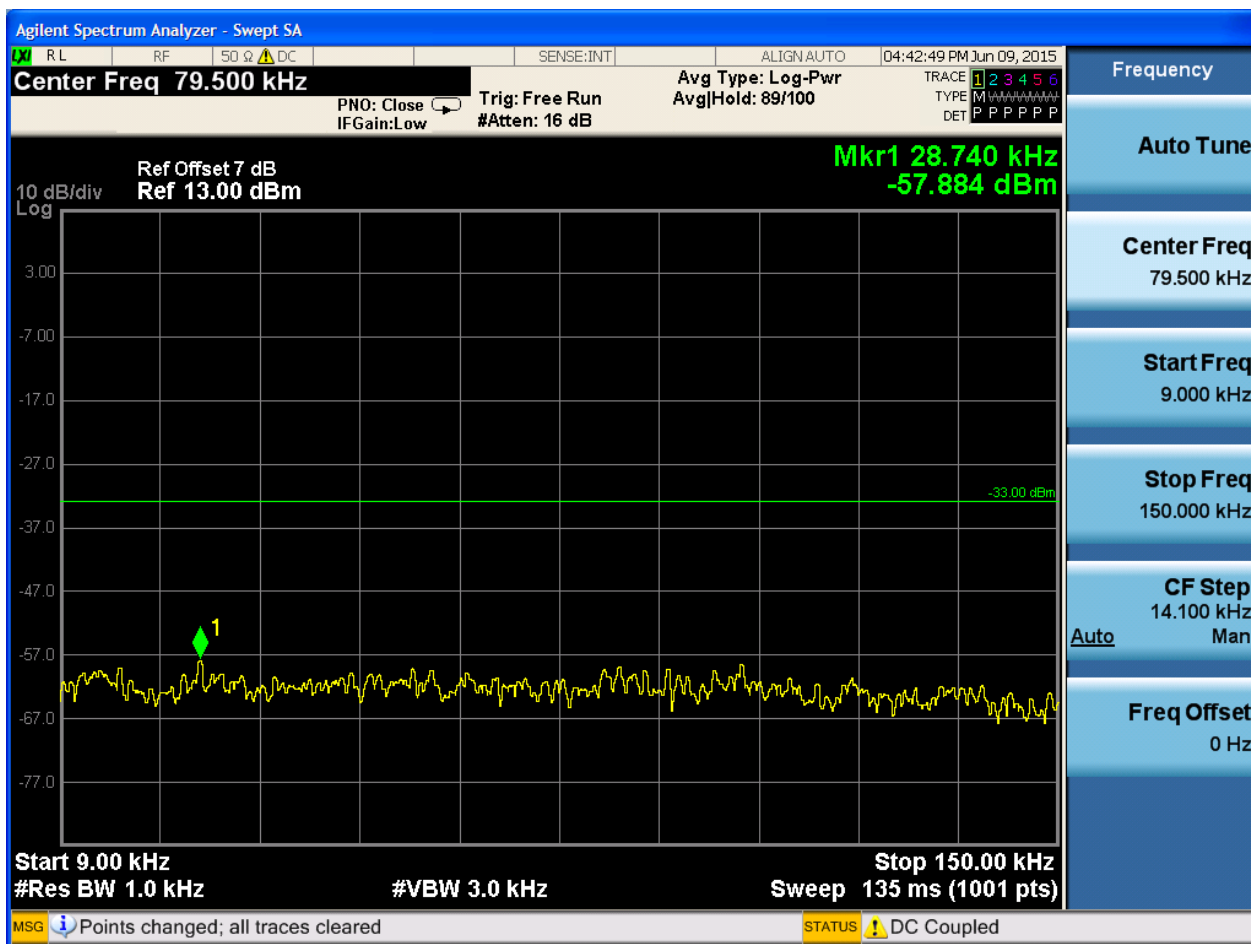


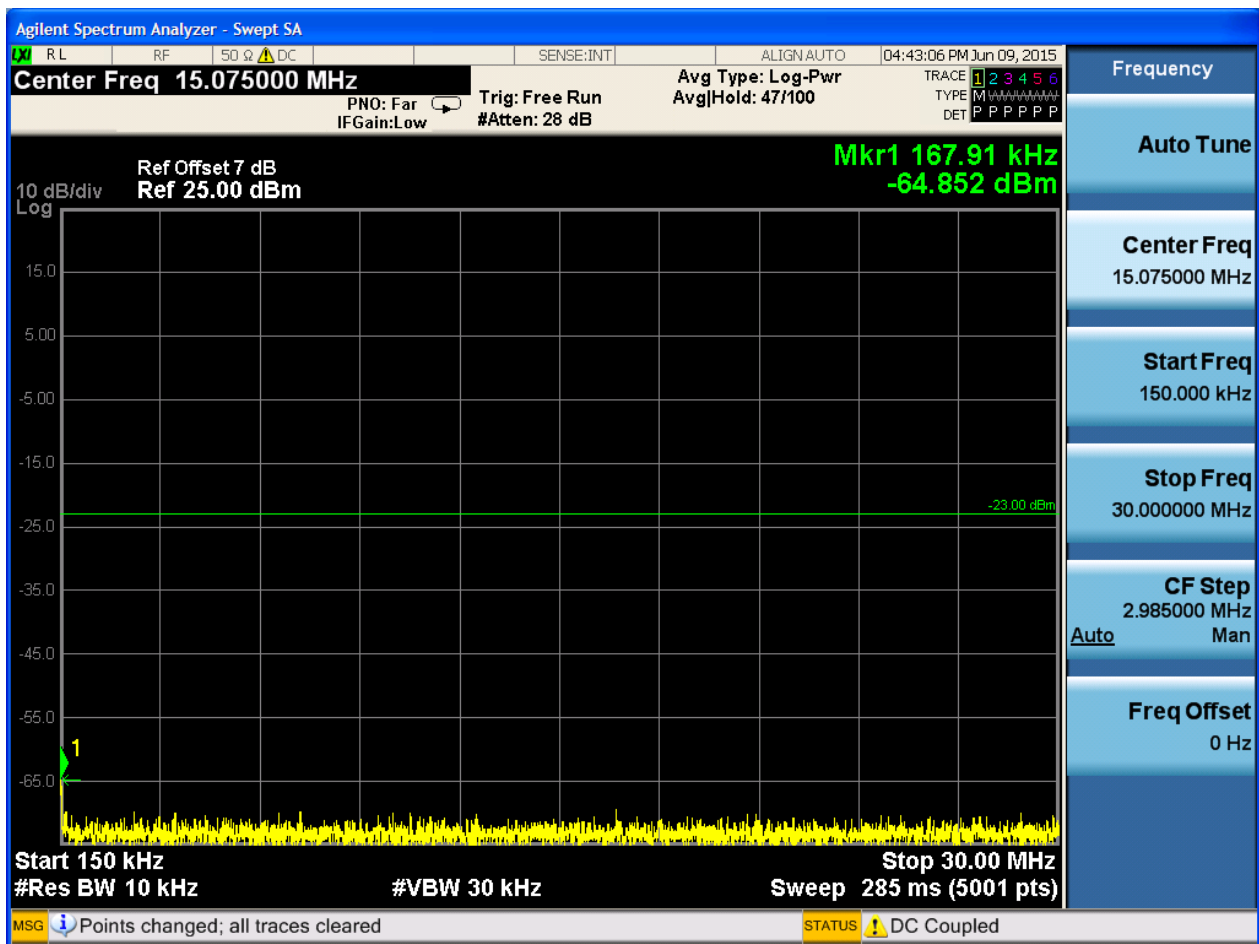


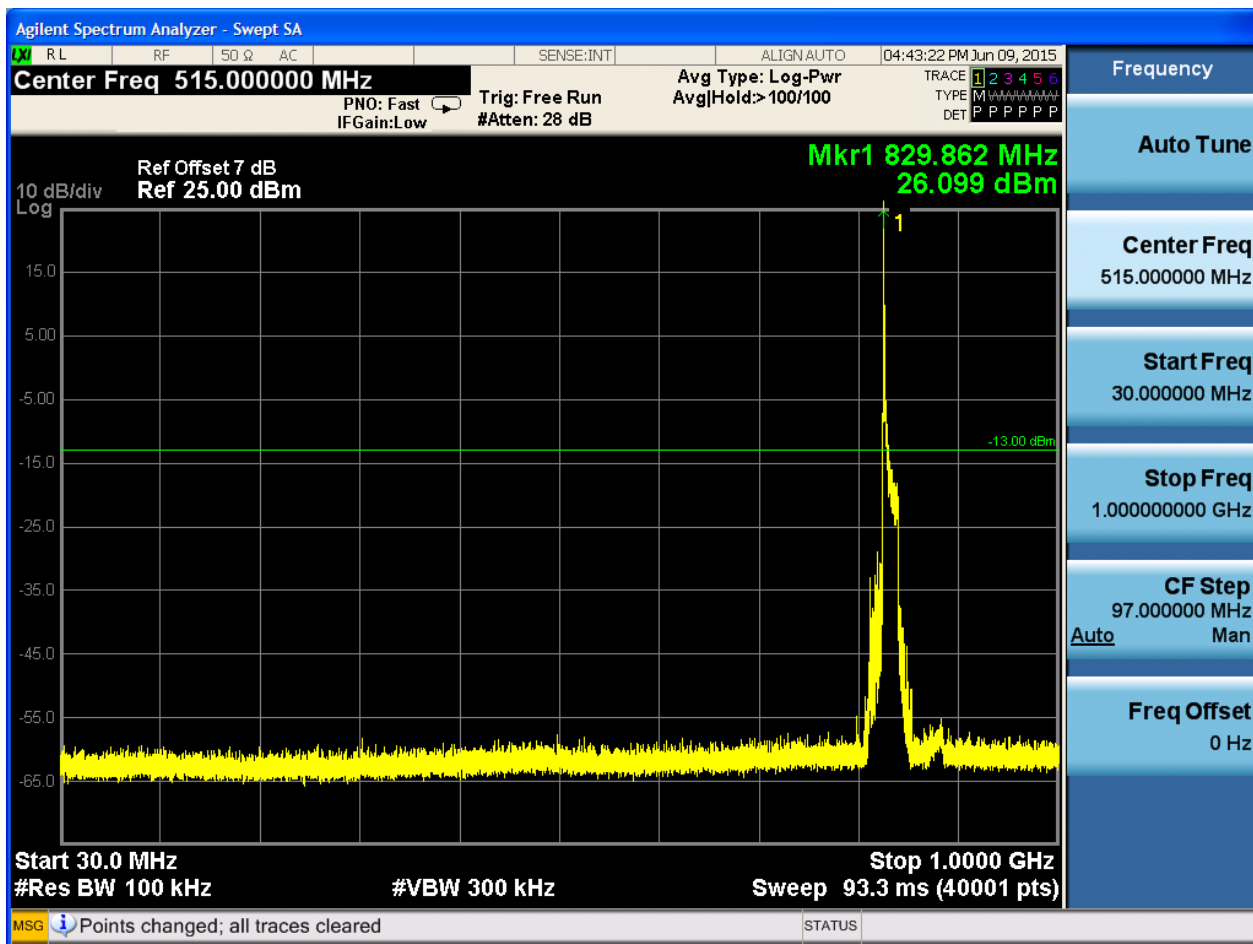


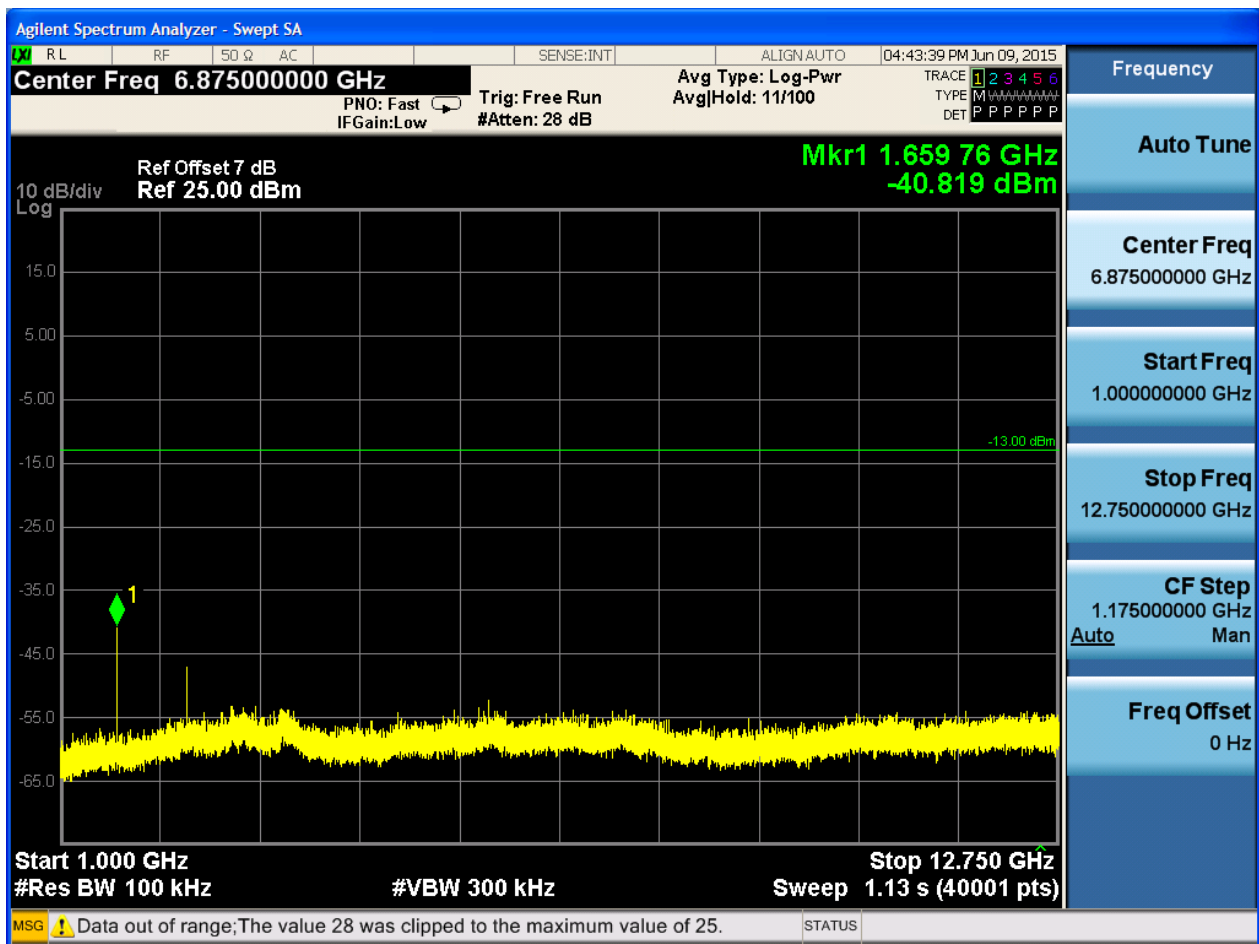
## 6.1.1.1.5.2 Test Channel = MCH

## 6.1.1.1.5.2.1 Test RB = RB1#0



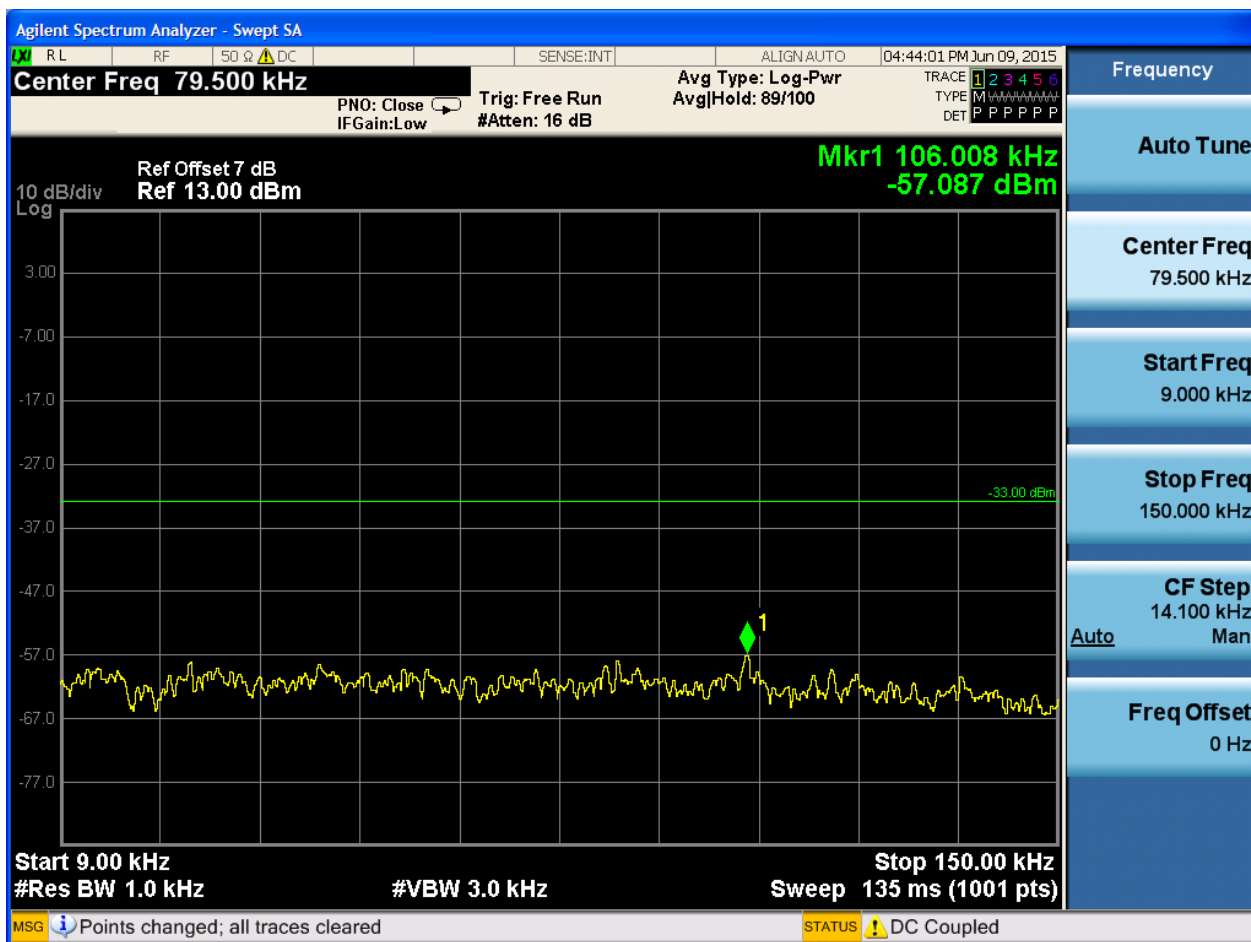


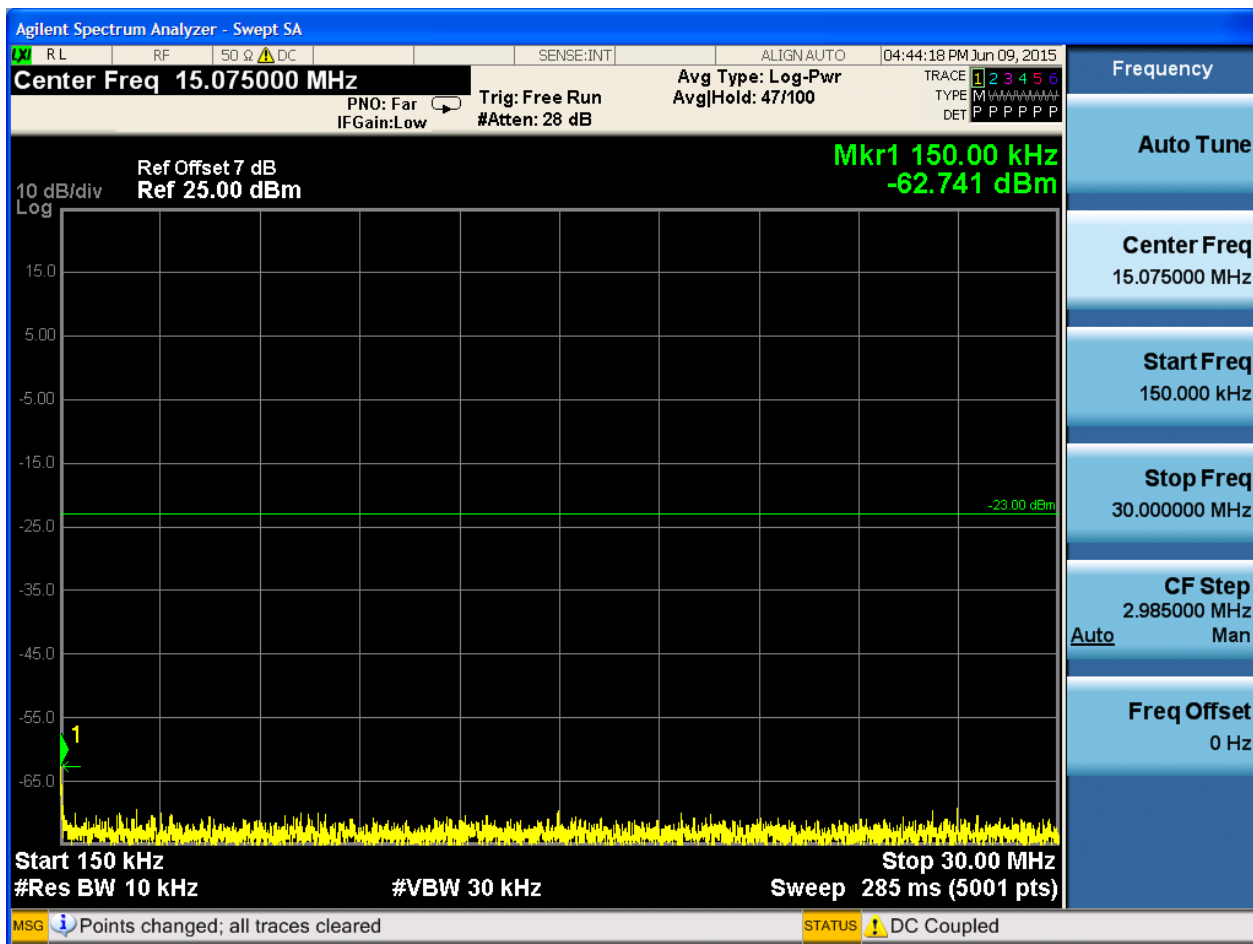


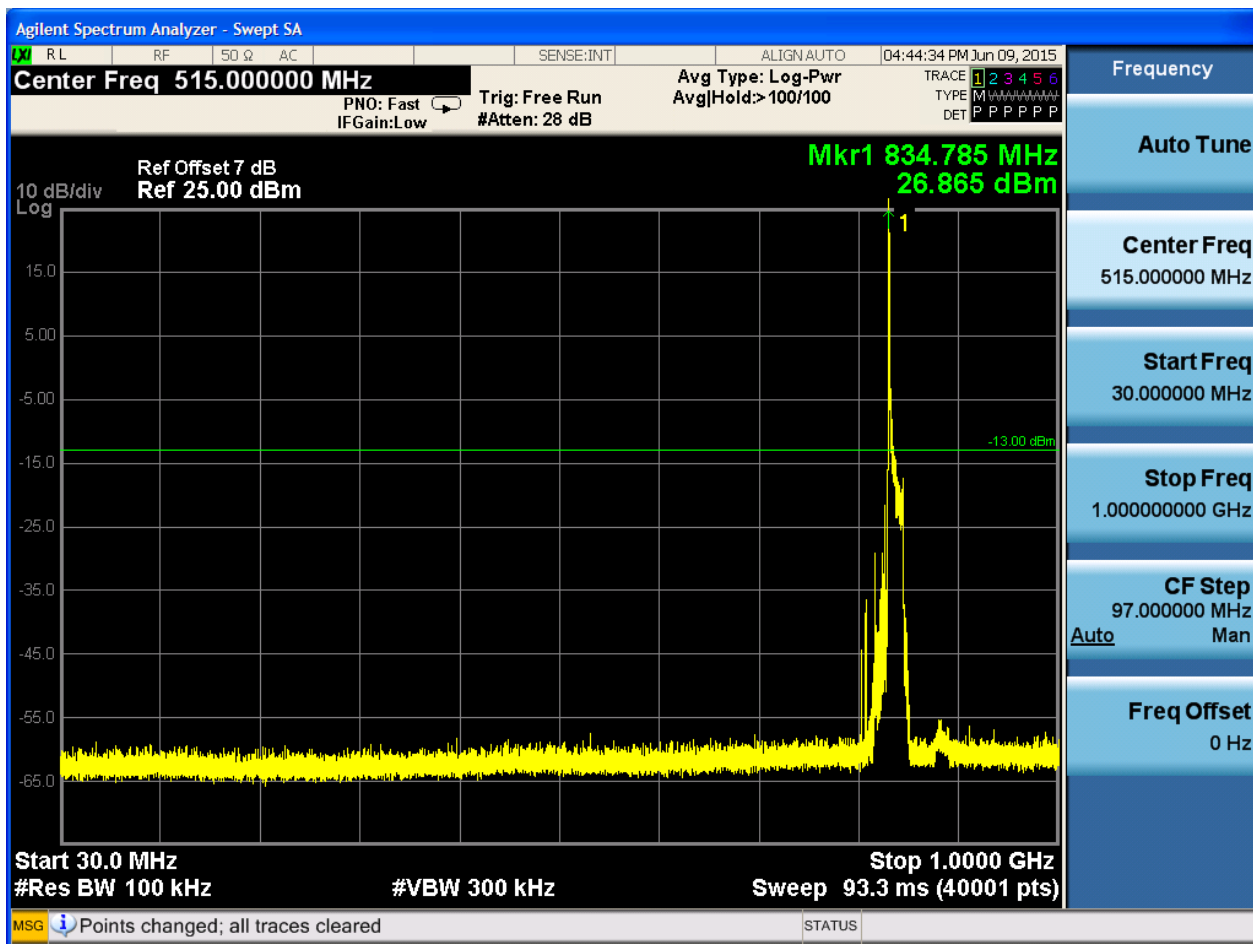


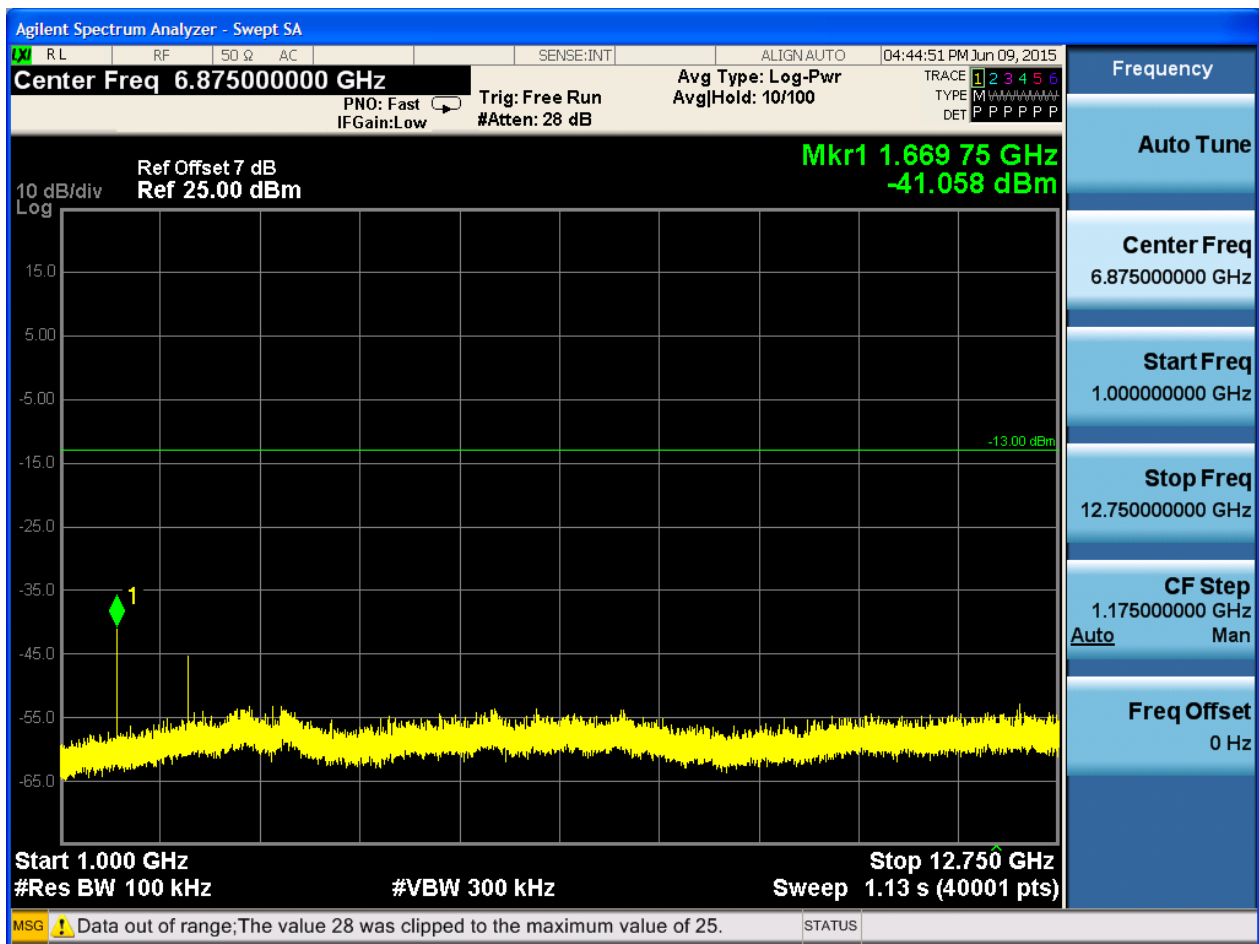
### 6.1.1.1.5.3 Test Channel = HCH

#### 6.1.1.1.5.3.1 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.

No peak found in the Test Range of “9 kHz to 30MHz”

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

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

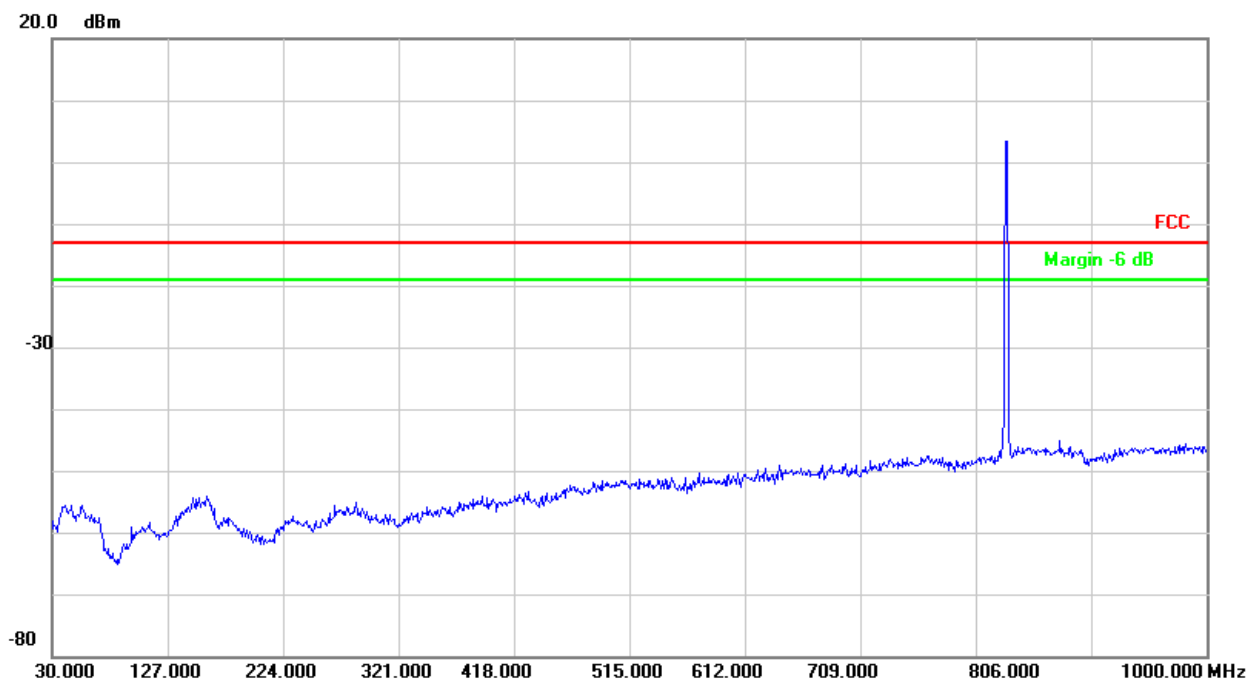
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

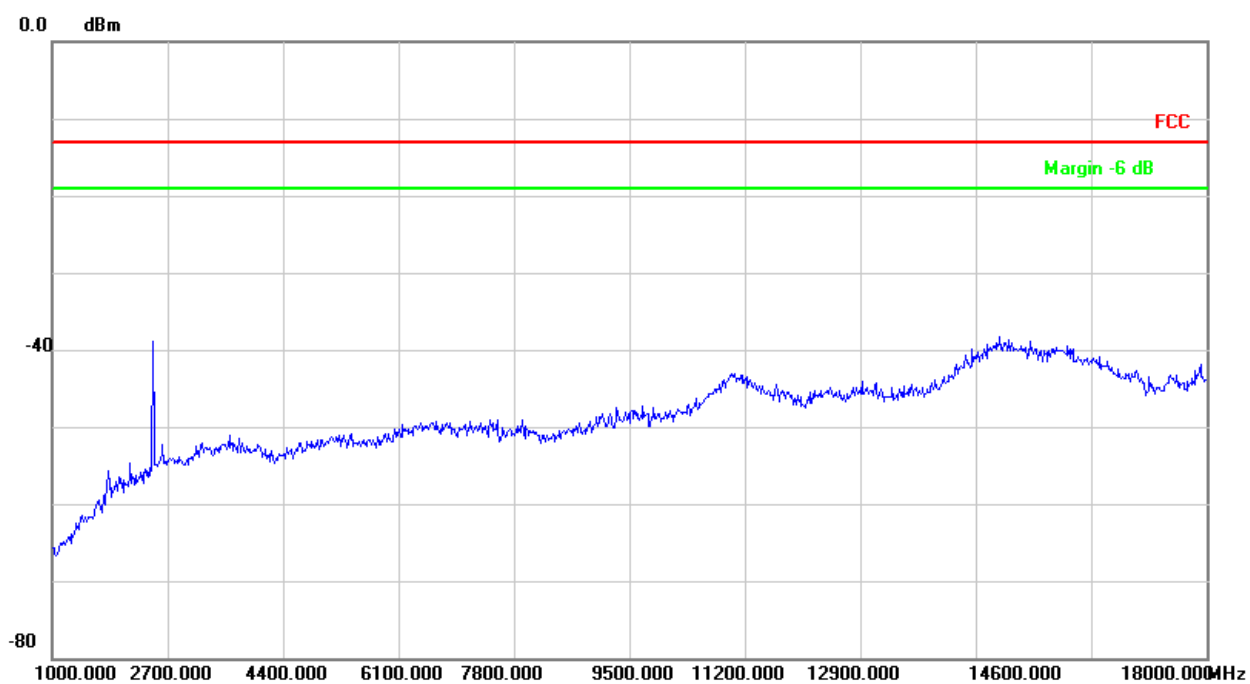
### Part I - Test Plots

#### 7.1 For LTE

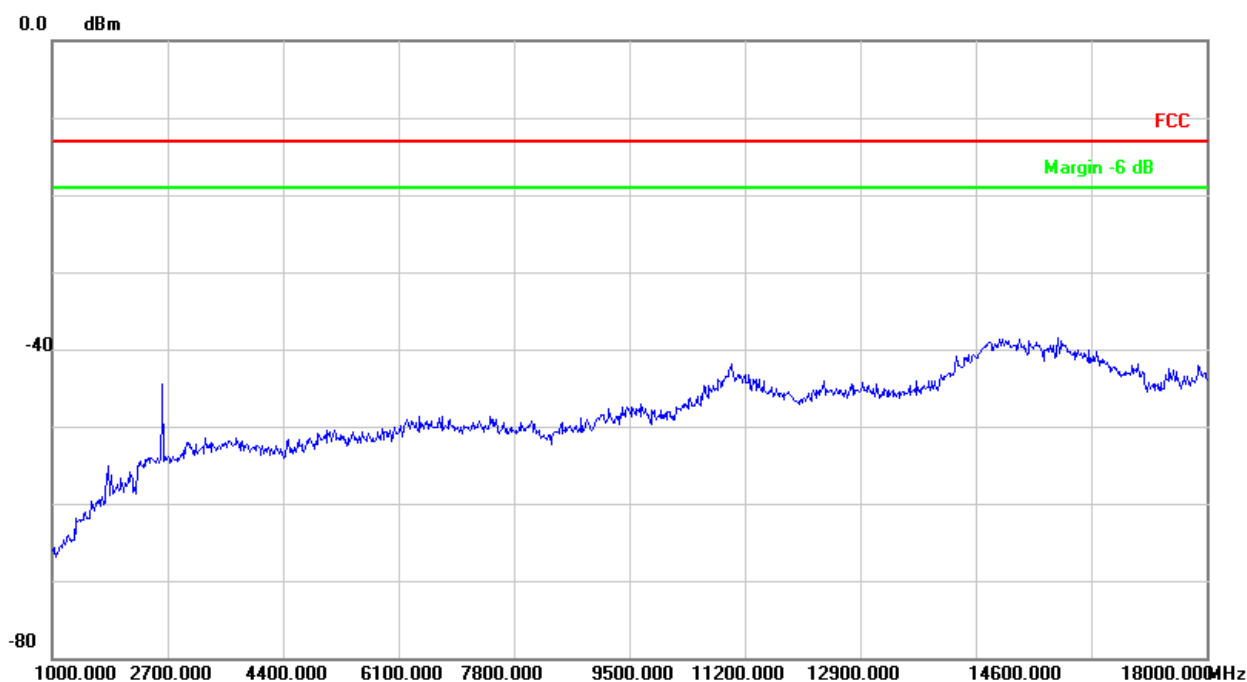
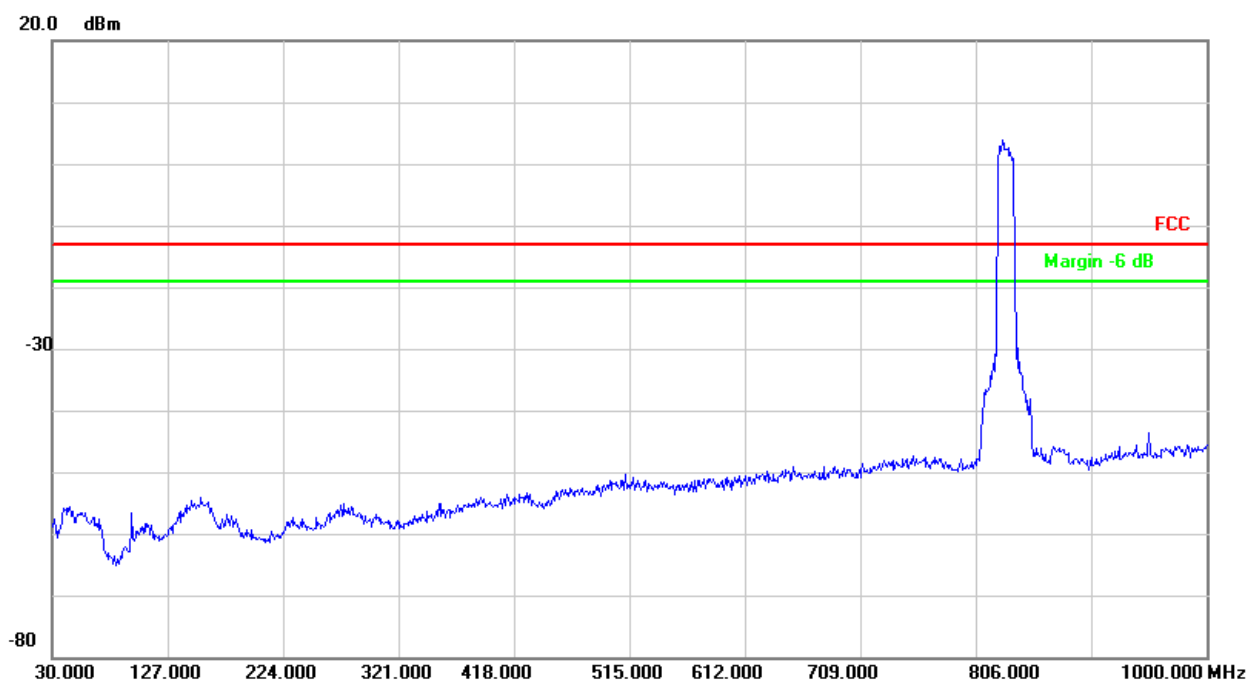
##### 7.1.1 Test Band = BAND26

##### 7.1.1.1 Test Bandwidth = 1.4





### 7.1.1.2 Test Bandwidth = 15



## 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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND26    | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | 0.1              | 0.00012               | PASS    |
|           |           |                      |              |            | VN         | 2.8              | 0.0034                | PASS    |
|           |           |                      |              |            | VH         | -5.08            | -0.00616              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.79             | 0.00094               | PASS    |
|           |           |                      |              |            | VN         | 0.53             | 0.00063               | PASS    |
|           |           |                      |              |            | VH         | 0.14             | 0.00017               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -47.89           | -0.05645              | PASS    |
|           |           |                      |              |            | VN         | -25.22           | -0.02973              | PASS    |
|           |           |                      |              |            | VH         | -25.56           | -0.03013              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | 19.07            | 0.0231                | PASS    |
|           |           |                      |              |            | VN         | 7.14             | 0.00865               | PASS    |
|           |           |                      |              |            | VH         | -16.61           | -0.02012              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.27            | -0.00032              | PASS    |
|           |           |                      |              |            | VN         | -0.11            | -0.00013              | PASS    |
|           |           |                      |              |            | VH         | -1.16            | -0.00139              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 4.33             | 0.00511               | PASS    |
|           |           |                      |              |            | VN         | -5.54            | -0.00654              | PASS    |
|           |           |                      |              |            | VH         | 1.46             | 0.00172               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -2.33            | -0.00282              | PASS    |
|           |           |                      |              |            | VN         | -5.31            | -0.00642              | PASS    |
|           |           |                      |              |            | VH         | 3.72             | 0.0045                | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.01             | 0.00001               | PASS    |
|           |           |                      |              |            | VN         | 1.34             | 0.0016                | PASS    |
|           |           |                      |              |            | VH         | 1.37             | 0.00164               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.19             | 0.00141               | PASS    |
|           |           |                      |              |            | VN         | 0.31             | 0.00037               | PASS    |
|           |           |                      |              |            | VH         | 0.77             | 0.00091               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -12.79           | -0.01543              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | 16.52            | 0.01993               | PASS    |
|           |           |                      |              |            | VH         | 5.99             | 0.00723               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -257.66          | -0.30802              | PASS    |
|           |           |                      |              |            | VN         | 157.7            | 0.18852               | PASS    |
|           |           |                      |              |            | VH         | 48.89            | 0.05845               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.17            | -0.00257              | PASS    |
|           |           |                      |              |            | VN         | 0.66             | 0.00078               | PASS    |
|           |           |                      |              |            | VH         | 0.64             | 0.00076               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -2.76            | -0.00332              | PASS    |
|           |           |                      |              |            | VN         | -16.25           | -0.01954              | PASS    |
|           |           |                      |              |            | VH         | 31.34            | 0.03769               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 18.27            | 0.02184               | PASS    |
|           |           |                      |              |            | VN         | 36.86            | 0.04406               | PASS    |
|           |           |                      |              |            | VH         | -45.89           | -0.05486              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.22             | 0.00145               | PASS    |
|           |           |                      |              |            | VN         | 3.53             | 0.00419               | PASS    |
|           |           |                      |              |            | VH         | 1.17             | 0.00139               | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | TN         | VL         | -1.03            | -0.00125              | PASS    |
|           |           |                      |              |            | VN         | -5.85            | -0.00709              | PASS    |
|           |           |                      |              |            | VH         | 1.99             | 0.00241               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 4.56             | 0.00545               | PASS    |
|           |           |                      |              |            | VN         | 1.22             | 0.00146               | PASS    |
|           |           |                      |              |            | VH         | -5.79            | -0.00692              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -8.58            | -0.01011              | PASS    |
|           |           |                      |              |            | VN         | -6.27            | -0.00739              | PASS    |
|           |           |                      |              |            | VH         | 2.46             | 0.0029                | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -5.11            | -0.00619              | PASS    |
|           |           |                      |              |            | VN         | -12.17           | -0.01474              | PASS    |
|           |           |                      |              |            | VH         | 28.17            | 0.03412               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.17             | 0.0002                | PASS    |
|           |           |                      |              |            | VN         | 0.34             | 0.00041               | PASS    |
|           |           |                      |              |            | VH         | -1.33            | -0.00159              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 11.39            | 0.01344               | PASS    |
|           |           |                      |              |            | VN         | -22.87           | -0.02699              | PASS    |
|           |           |                      |              |            | VH         | 4.75             | 0.0056                | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -4.23            | -0.00512              | PASS    |
|           |           |                      |              |            | VN         | 5.14             | 0.00622               | PASS    |
|           |           |                      |              |            | VH         | 10.49            | 0.01269               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.07             | 0.00008               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -1.52            | -0.00182              | PASS    |
|           |           |                      |              |            | VH         | -0.97            | -0.00116              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 5.09             | 0.00601               | PASS    |
|           |           |                      |              |            | VN         | 2.49             | 0.00294               | PASS    |
|           |           |                      |              |            | VH         | 4.96             | 0.00586               | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -3.79            | -0.00457              | PASS    |
|           |           |                      |              |            | VN         | -2.45            | -0.00296              | PASS    |
|           |           |                      |              |            | VH         | -12.53           | -0.01511              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 129.72           | 0.15507               | PASS    |
|           |           |                      |              |            | VN         | -149.6           | -0.17884              | PASS    |
|           |           |                      |              |            | VH         | -203.92          | -0.24378              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 171.75           | 0.2035                | PASS    |
|           |           |                      |              |            | VN         | -11.12           | -0.01318              | PASS    |
|           |           |                      |              |            | VH         | 38.61            | 0.04575               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | 7.64             | 0.00919               | PASS    |
|           |           |                      |              |            | VN         | 2.83             | 0.0034                | PASS    |
|           |           |                      |              |            | VH         | 3.05             | 0.00367               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 32.1             | 0.03837               | PASS    |
|           |           |                      |              |            | VN         | 17.6             | 0.02104               | PASS    |
|           |           |                      |              |            | VH         | -64.67           | -0.07731              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 74.96            | 0.08908               | PASS    |
|           |           |                      |              |            | VN         | 73.76            | 0.08765               | PASS    |
|           |           |                      |              |            | VH         | 109.88           | 0.13058               | 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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND26    | LTE/TM1   | 1.4                  | LCH          | VN         | -30        | 15.25            | 0.01849               | PASS    |
|           |           |                      |              |            | -20        | 6.09             | 0.00738               | PASS    |
|           |           |                      |              |            | -10        | -6.75            | -0.00818              | PASS    |
|           |           |                      |              |            | 0          | 6.14             | 0.00745               | PASS    |
|           |           |                      |              |            | 10         | 0.21             | 0.00025               | PASS    |
|           |           |                      |              |            | 20         | 0.06             | 0.00007               | PASS    |
|           |           |                      |              |            | 30         | -5.24            | -0.00635              | PASS    |
|           |           |                      |              |            | 40         | -3.42            | -0.00415              | PASS    |
|           |           |                      |              |            | 50         | -5.68            | -0.00689              | 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             | 0.00445               | PASS    |
|           |           |                      |              |            | -20        | -1.96            | -0.00234              | PASS    |
|           |           |                      |              |            | -10        | -3.79            | -0.00453              | PASS    |
|           |           |                      |              |            | 0          | -2.22            | -0.00265              | PASS    |
|           |           |                      |              |            | 10         | -1.2             | -0.00143              | PASS    |
|           |           |                      |              |            | 20         | -3.29            | -0.00393              | PASS    |
|           |           |                      |              |            | 30         | -5.94            | -0.0071               | PASS    |
|           |           |                      |              |            | 40         | -0.76            | -0.00091              | PASS    |
|           |           |                      |              |            | 50         | -3.93            | -0.0047               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.29            | -0.00152              | PASS    |
|           |           |                      |              |            | -20        | -44.23           | -0.05214              | PASS    |
|           |           |                      |              |            | -10        | 4.98             | 0.00587               | PASS    |
|           |           |                      |              |            | 0          | -3.23            | -0.00381              | PASS    |
|           |           |                      |              |            | 10         | 9.31             | 0.01097               | PASS    |
|           |           |                      |              |            | 20         | 7.51             | 0.00885               | PASS    |
|           |           |                      |              |            | 30         | -6.44            | -0.00759              | PASS    |
|           |           |                      |              |            | 40         | 1.6              | 0.00189               | PASS    |
|           |           |                      |              |            | 50         | 40.54            | 0.04779               | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | 10.94            | 0.01325               | PASS    |
|           |           |                      |              |            | -20        | 6.75             | 0.00818               | PASS    |
|           |           |                      |              |            | -10        | -3.73            | -0.00452              | PASS    |
|           |           |                      |              |            | 0          | 1.22             | 0.00148               | PASS    |
|           |           |                      |              |            | 10         | 1.56             | 0.00189               | PASS    |
|           |           |                      |              |            | 20         | 4.95             | 0.006                 | PASS    |
|           |           |                      |              |            | 30         | -9               | -0.0109               | PASS    |
|           |           |                      |              |            | 40         | 1.1              | 0.00133               | PASS    |
|           |           |                      |              |            | 50         | -4.09            | -0.00495              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 8.74             | 0.01045               | PASS    |
|           |           |                      |              |            | -20        | 0.01             | 0.00001               | PASS    |
|           |           |                      |              |            | -10        | -3.45            | -0.00412              | PASS    |
|           |           |                      |              |            | 0          | -5.21            | -0.00623              | PASS    |
|           |           |                      |              |            | 10         | -2.35            | -0.00281              | PASS    |
|           |           |                      |              |            | 20         | -1.07            | -0.00128              | PASS    |
|           |           |                      |              |            | 30         | -1.54            | -0.00184              | PASS    |
|           |           |                      |              |            | 40         | 4.12             | 0.00493               | PASS    |
|           |           |                      |              |            | 50         | -0.5             | -0.0006               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.16             | 0.00019               | PASS    |
|           |           |                      |              |            | -20        | 8.1              | 0.00956               | PASS    |
|           |           |                      |              |            | -10        | 69.19            | 0.08164               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0          | 45.19            | 0.05332               | PASS    |
|           |           |                      |              |            | 10         | 4.66             | 0.0055                | PASS    |
|           |           |                      |              |            | 20         | -13.55           | -0.01599              | PASS    |
|           |           |                      |              |            | 30         | 14.16            | 0.01671               | PASS    |
|           |           |                      |              |            | 40         | 7.98             | 0.00942               | PASS    |
|           |           |                      |              |            | 50         | 64.87            | 0.07654               | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | 1.83             | 0.00221               | PASS    |
|           |           |                      |              |            | -20        | 1.75             | 0.00212               | PASS    |
|           |           |                      |              |            | -10        | 2.6              | 0.00315               | PASS    |
|           |           |                      |              |            | 0          | 6.67             | 0.00807               | PASS    |
|           |           |                      |              |            | 10         | 4.36             | 0.00528               | PASS    |
|           |           |                      |              |            | 20         | -2.26            | -0.00273              | PASS    |
|           |           |                      |              |            | 30         | 0                | 0                     | PASS    |
|           |           |                      |              |            | 40         | 3.12             | 0.00377               | PASS    |
|           |           |                      |              |            | 50         | 5.97             | 0.00722               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.6             | -0.00191              | PASS    |
|           |           |                      |              |            | -20        | 0.67             | 0.0008                | PASS    |
|           |           |                      |              |            | -10        | -8.41            | -0.01005              | PASS    |
|           |           |                      |              |            | 0          | 4.56             | 0.00545               | PASS    |
|           |           |                      |              |            | 10         | -1.19            | -0.00142              | PASS    |
|           |           |                      |              |            | 20         | -3.38            | -0.00404              | PASS    |
|           |           |                      |              |            | 30         | -4.43            | -0.0053               | PASS    |
|           |           |                      |              |            | 40         | -1.92            | -0.0023               | PASS    |
|           |           |                      |              |            | 50         | 1.4              | 0.00167               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -61.35           | -0.07247              | PASS    |
|           |           |                      |              |            | -20        | 0.97             | 0.00115               | PASS    |
|           |           |                      |              |            | -10        | -2.95            | -0.00348              | PASS    |
|           |           |                      |              |            | 0          | -14.82           | -0.01751              | PASS    |
|           |           |                      |              |            | 10         | -14.73           | -0.0174               | PASS    |
|           |           |                      |              |            | 20         | 10.99            | 0.01298               | PASS    |
|           |           |                      |              |            | 30         | 8.05             | 0.00951               | PASS    |
|           |           |                      |              |            | 40         | 10.39            | 0.01227               | PASS    |
|           |           |                      |              |            | 50         | -14.41           | -0.01702              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -4.35            | -0.00525              | PASS    |
|           |           |                      |              |            | -20        | 9.74             | 0.01175               | PASS    |
|           |           |                      |              |            | -10        | 19.56            | 0.02359               | PASS    |
|           |           |                      |              |            | 0          | 37.29            | 0.04498               | PASS    |
|           |           |                      |              |            | 10         | -0.57            | -0.00069              | PASS    |
|           |           |                      |              |            | 20         | 0.43             | 0.00052               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 30         | -2.3             | -0.00277              | PASS    |
|           |           |                      |              |            | 40         | -1.79            | -0.00216              | PASS    |
|           |           |                      |              |            | 50         | -7.12            | -0.00859              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 18.32            | 0.0219                | PASS    |
|           |           |                      |              |            | -20        | -26.98           | -0.03225              | PASS    |
|           |           |                      |              |            | -10        | 7.22             | 0.00863               | PASS    |
|           |           |                      |              |            | 0          | -3.45            | -0.00412              | PASS    |
|           |           |                      |              |            | 10         | -1.12            | -0.00134              | PASS    |
|           |           |                      |              |            | 20         | 2.3              | 0.00275               | PASS    |
|           |           |                      |              |            | 30         | -3.28            | -0.00392              | PASS    |
|           |           |                      |              |            | 40         | -0.1             | -0.00012              | PASS    |
|           |           |                      |              |            | 50         | 2.1              | 0.00251               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.4              | 0.00047               | PASS    |
|           |           |                      |              |            | -20        | 2.26             | 0.00268               | PASS    |
|           |           |                      |              |            | -10        | 0.99             | 0.00117               | PASS    |
|           |           |                      |              |            | 0          | -0.34            | -0.0004               | PASS    |
|           |           |                      |              |            | 10         | -0.62            | -0.00073              | PASS    |
|           |           |                      |              |            | 20         | -0.87            | -0.00103              | PASS    |
|           |           |                      |              |            | 30         | 0.06             | 0.00007               | PASS    |
|           |           |                      |              |            | 40         | -0.94            | -0.00111              | PASS    |
|           |           |                      |              |            | 50         | -1.12            | -0.00133              | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | 0.87             | 0.00105               | PASS    |
|           |           |                      |              |            | -20        | 3.06             | 0.00368               | PASS    |
|           |           |                      |              |            | -10        | 2.03             | 0.00244               | PASS    |
|           |           |                      |              |            | 0          | -0.31            | -0.00037              | PASS    |
|           |           |                      |              |            | 10         | 4.13             | 0.00497               | PASS    |
|           |           |                      |              |            | 20         | -1.33            | -0.0016               | PASS    |
|           |           |                      |              |            | 30         | -0.19            | -0.00023              | PASS    |
|           |           |                      |              |            | 40         | -2.56            | -0.00308              | PASS    |
|           |           |                      |              |            | 50         | -2               | -0.00241              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.42            | -0.0017               | PASS    |
|           |           |                      |              |            | -20        | 0.44             | 0.00053               | PASS    |
|           |           |                      |              |            | -10        | 2.9              | 0.00347               | PASS    |
|           |           |                      |              |            | 0          | -4.06            | -0.00485              | PASS    |
|           |           |                      |              |            | 10         | 6.92             | 0.00827               | PASS    |
|           |           |                      |              |            | 20         | -10.6            | -0.01267              | PASS    |
|           |           |                      |              |            | 30         | 8.58             | 0.01026               | PASS    |
|           |           |                      |              |            | 40         | 17.98            | 0.02149               | PASS    |
|           |           |                      |              |            | 50         | -9.84            | -0.01176              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | VN         | -30        | 0                | 0                     | PASS    |
|           |           |                      |              |            | -20        | 0.76             | 0.0009                | PASS    |
|           |           |                      |              |            | -10        | 0.07             | 0.00008               | PASS    |
|           |           |                      |              |            | 0          | 0.63             | 0.00075               | PASS    |
|           |           |                      |              |            | 10         | -0.49            | -0.00058              | PASS    |
|           |           |                      |              |            | 20         | -0.29            | -0.00034              | PASS    |
|           |           |                      |              |            | 30         | 0.03             | 0.00004               | PASS    |
|           |           |                      |              |            | 40         | -2.29            | -0.00272              | PASS    |
|           |           |                      |              |            | 50         | -0.4             | -0.00048              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30        | -5.69            | -0.0069               | PASS    |
|           |           |                      |              |            | -20        | 17.18            | 0.02083               | PASS    |
|           |           |                      |              |            | -10        | 1.92             | 0.00233               | PASS    |
|           |           |                      |              |            | 0          | 18.35            | 0.02225               | PASS    |
|           |           |                      |              |            | 10         | -31.26           | -0.0379               | PASS    |
|           |           |                      |              |            | 20         | 28.62            | 0.0347                | PASS    |
|           |           |                      |              |            | 30         | -12.43           | -0.01507              | PASS    |
|           |           |                      |              |            | 40         | 5.99             | 0.00726               | PASS    |
|           |           |                      |              |            | 50         | -121.31          | -0.1471               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -0.73            | -0.00087              | PASS    |
|           |           |                      |              |            | -20        | 0.63             | 0.00075               | PASS    |
|           |           |                      |              |            | -10        | -12.45           | -0.01488              | PASS    |
|           |           |                      |              |            | 0          | -5.09            | -0.00608              | PASS    |
|           |           |                      |              |            | 10         | -10.94           | -0.01308              | PASS    |
|           |           |                      |              |            | 20         | -2.98            | -0.00356              | PASS    |
|           |           |                      |              |            | 30         | -5.97            | -0.00714              | PASS    |
|           |           |                      |              |            | 40         | 4.08             | 0.00488               | PASS    |
|           |           |                      |              |            | 50         | 1.39             | 0.00166               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -9.03            | -0.01064              | PASS    |
|           |           |                      |              |            | -20        | -1.5             | -0.00177              | PASS    |
|           |           |                      |              |            | -10        | 13.2             | 0.01556               | PASS    |
|           |           |                      |              |            | 0          | 2                | 0.00236               | PASS    |
|           |           |                      |              |            | 10         | -22.56           | -0.02659              | PASS    |
|           |           |                      |              |            | 20         | -3.76            | -0.00443              | PASS    |
|           |           |                      |              |            | 30         | -2.66            | -0.00314              | PASS    |
|           |           |                      |              |            | 40         | -2.36            | -0.00278              | PASS    |
|           |           |                      |              |            | 50         | -6.31            | -0.00744              | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | 0.83             | 0.00101               | PASS    |
|           |           |                      |              |            | -20        | 19.54            | 0.02367               | PASS    |
|           |           |                      |              |            | -10        | 2.68             | 0.00325               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 0          | 1.53             | 0.00185               | PASS    |
|           |           |                      |              |            | 10         | 10.34            | 0.01253               | PASS    |
|           |           |                      |              |            | 20         | -8               | -0.00969              | PASS    |
|           |           |                      |              |            | 30         | -5.97            | -0.00723              | PASS    |
|           |           |                      |              |            | 40         | 8.64             | 0.01047               | PASS    |
|           |           |                      |              |            | 50         | 4.86             | 0.00589               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.24            | -0.00148              | PASS    |
|           |           |                      |              |            | -20        | 6.21             | 0.00742               | PASS    |
|           |           |                      |              |            | -10        | -9.3             | -0.01112              | PASS    |
|           |           |                      |              |            | 0          | -2.22            | -0.00265              | PASS    |
|           |           |                      |              |            | 10         | 5.01             | 0.00599               | PASS    |
|           |           |                      |              |            | 20         | 0.33             | 0.00039               | PASS    |
|           |           |                      |              |            | 30         | 1.5              | 0.00179               | PASS    |
|           |           |                      |              |            | 40         | -1.04            | -0.00124              | PASS    |
|           |           |                      |              |            | 50         | -1.33            | -0.00159              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 7.91             | 0.00933               | PASS    |
|           |           |                      |              |            | -20        | -5.48            | -0.00647              | PASS    |
|           |           |                      |              |            | -10        | 10.71            | 0.01264               | PASS    |
|           |           |                      |              |            | 0          | 69.69            | 0.08223               | PASS    |
|           |           |                      |              |            | 10         | 0.27             | 0.00032               | PASS    |
|           |           |                      |              |            | 20         | 2.85             | 0.00336               | PASS    |
|           |           |                      |              |            | 30         | 9.93             | 0.01172               | PASS    |
|           |           |                      |              |            | 40         | 1.52             | 0.00179               | PASS    |
|           |           |                      |              |            | 50         | -13.56           | -0.016                | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | 5.38             | 0.00651               | PASS    |
|           |           |                      |              |            | -20        | 0.34             | 0.00041               | PASS    |
|           |           |                      |              |            | -10        | 3.88             | 0.00469               | PASS    |
|           |           |                      |              |            | 0          | -2.3             | -0.00278              | PASS    |
|           |           |                      |              |            | 10         | 1.87             | 0.00226               | PASS    |
|           |           |                      |              |            | 20         | -8.17            | -0.00989              | PASS    |
|           |           |                      |              |            | 30         | -0.51            | -0.00062              | PASS    |
|           |           |                      |              |            | 40         | 2.09             | 0.00253               | PASS    |
|           |           |                      | MCH          | VN         | 50         | -1.03            | -0.00125              | PASS    |
|           |           |                      |              |            | -30        | 0.39             | 0.00047               | PASS    |
|           |           |                      |              |            | -20        | 0.57             | 0.00068               | PASS    |
|           |           |                      |              |            | -10        | -7.31            | -0.00874              | PASS    |
|           |           |                      |              |            | 0          | -2.02            | -0.00241              | PASS    |
|           |           |                      |              |            | 10         | -2               | -0.00239              | PASS    |
|           |           |                      |              |            | 20         | 3.91             | 0.00467               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 30         | -1.04            | -0.00124              | PASS    |
|           |           |                      |              |            | 40         | -3.59            | -0.00429              | PASS    |
|           |           |                      |              |            | 50         | 4.68             | 0.00559               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -4.75            | -0.00561              | PASS    |
|           |           |                      |              |            | -20        | 14.02            | 0.01656               | PASS    |
|           |           |                      |              |            | -10        | 4.41             | 0.00521               | PASS    |
|           |           |                      |              |            | 0          | 8.47             | 0.01001               | PASS    |
|           |           |                      |              |            | 10         | -3.65            | -0.00431              | PASS    |
|           |           |                      |              |            | 20         | -2.19            | -0.00259              | PASS    |
|           |           |                      |              |            | 30         | -5.38            | -0.00636              | PASS    |
|           |           |                      |              |            | 40         | -1.17            | -0.00138              | PASS    |
|           |           |                      |              |            | 50         | 13.56            | 0.01602               | PASS    |
|           |           |                      | LCH          | VN         | -30        | 4.41             | 0.00532               | PASS    |
|           |           |                      |              |            | -20        | 0.03             | 0.00004               | PASS    |
|           |           |                      |              |            | -10        | -3.93            | -0.00474              | PASS    |
|           |           |                      |              |            | 0          | 1.53             | 0.00185               | PASS    |
|           |           |                      |              |            | 10         | -1.22            | -0.00147              | PASS    |
|           |           |                      |              |            | 20         | 16.05            | 0.01936               | PASS    |
|           |           |                      |              |            | 30         | 0.03             | 0.00004               | PASS    |
|           |           |                      |              |            | 40         | -2.4             | -0.0029               | PASS    |
|           |           |                      |              |            | 50         | -8.94            | -0.01078              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 4.23             | 0.00506               | PASS    |
|           |           |                      |              |            | -20        | -3.23            | -0.00386              | PASS    |
|           |           |                      |              |            | -10        | -3.66            | -0.00438              | PASS    |
|           |           |                      |              |            | 0          | 5.85             | 0.00699               | PASS    |
|           |           |                      |              |            | 10         | -2.39            | -0.00286              | PASS    |
|           |           |                      |              |            | 20         | -5.29            | -0.00632              | PASS    |
|           |           |                      |              |            | 30         | 3.25             | 0.00389               | PASS    |
|           |           |                      |              |            | 40         | -5.26            | -0.00629              | PASS    |
|           |           |                      | HCH          | VN         | 50         | -5.95            | -0.00711              | PASS    |
|           |           |                      |              |            | -30        | -3.95            | -0.00468              | PASS    |
|           |           |                      |              |            | -20        | 1.92             | 0.00227               | PASS    |
|           |           |                      |              |            | -10        | -3.53            | -0.00418              | PASS    |
|           |           |                      |              |            | 0          | -2.39            | -0.00283              | PASS    |
|           |           |                      |              |            | 10         | 2.23             | 0.00264               | PASS    |
|           |           |                      |              |            | 20         | -3.69            | -0.00437              | PASS    |
|           |           |                      |              |            | 30         | -0.17            | -0.0002               | PASS    |
|           |           |                      |              |            | 40         | -1.8             | -0.00213              | PASS    |
|           |           |                      |              |            | 50         | 3.86             | 0.00457               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           | 15                   | LCH          | VN         | -30        | 1.26             | 0.00152               | PASS    |
|           |           |                      |              |            | -20        | 0.29             | 0.00035               | PASS    |
|           |           |                      |              |            | -10        | 5.29             | 0.00636               | PASS    |
|           |           |                      |              |            | 0          | 0.83             | 0.001                 | PASS    |
|           |           |                      |              |            | 10         | 18.63            | 0.02241               | PASS    |
|           |           |                      |              |            | 20         | -1.09            | -0.00131              | PASS    |
|           |           |                      |              |            | 30         | 0.4              | 0.00048               | PASS    |
|           |           |                      |              |            | 40         | 5.12             | 0.00616               | PASS    |
|           |           |                      |              |            | 50         | -1.24            | -0.00149              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 5.51             | 0.00659               | PASS    |
|           |           |                      |              |            | -20        | -3.29            | -0.00393              | PASS    |
|           |           |                      |              |            | -10        | 0.96             | 0.00115               | PASS    |
|           |           |                      |              |            | 0          | -0.9             | -0.00108              | PASS    |
|           |           |                      |              |            | 10         | -5.92            | -0.00708              | PASS    |
|           |           |                      |              |            | 20         | -5.32            | -0.00636              | PASS    |
|           |           |                      |              |            | 30         | 4.38             | 0.00524               | PASS    |
|           |           |                      |              |            | 40         | 6.15             | 0.00735               | PASS    |
|           |           |                      |              |            | 50         | -5.54            | -0.00662              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.76            | -0.0009               | PASS    |
|           |           |                      |              |            | -20        | 0.47             | 0.00056               | PASS    |
|           |           |                      |              |            | -10        | -0.67            | -0.0008               | PASS    |
|           |           |                      |              |            | 0          | -0.37            | -0.00044              | PASS    |
|           |           |                      |              |            | 10         | 0.1              | 0.00012               | PASS    |
|           |           |                      |              |            | 20         | -0.86            | -0.00102              | PASS    |
|           |           |                      |              |            | 30         | -0.53            | -0.00063              | PASS    |
|           |           |                      |              |            | 40         | 0.49             | 0.00058               | PASS    |
|           |           |                      |              |            | 50         | 0.46             | 0.00055               | PASS    |

END