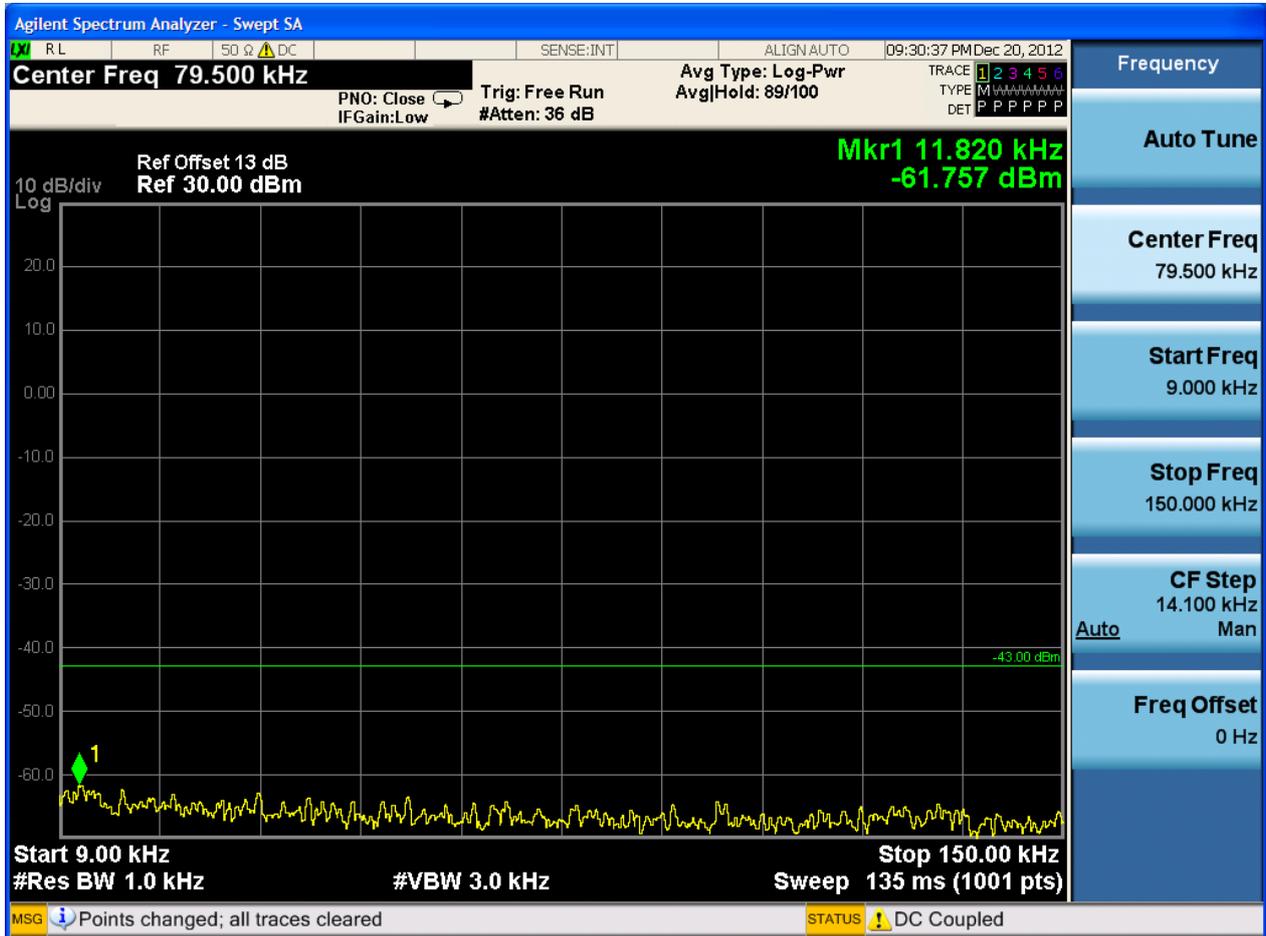
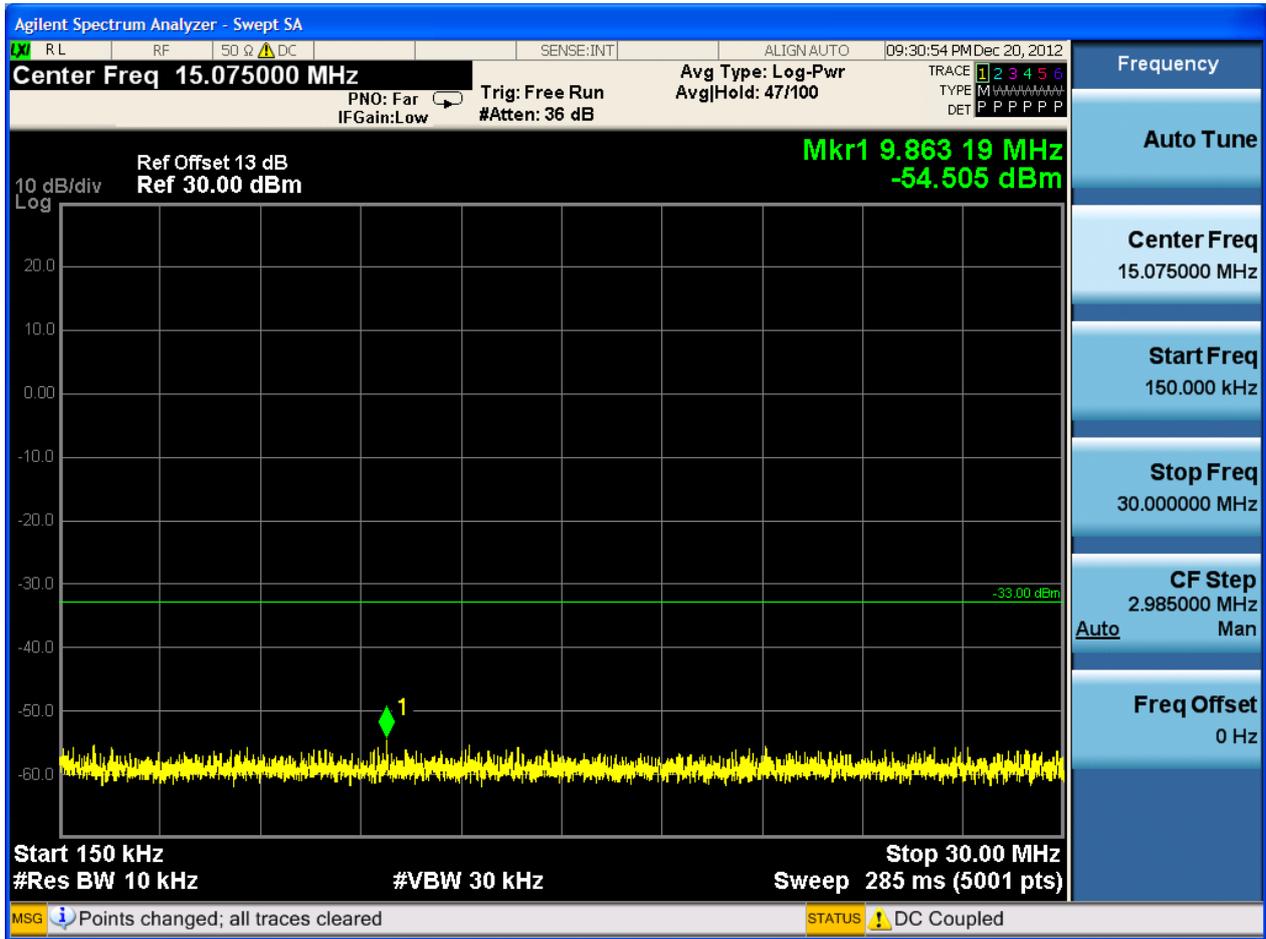




4.1.1.1.4.2 Test Channel = HCH

4.1.1.1.4.2.1 Test RB = RB1#0





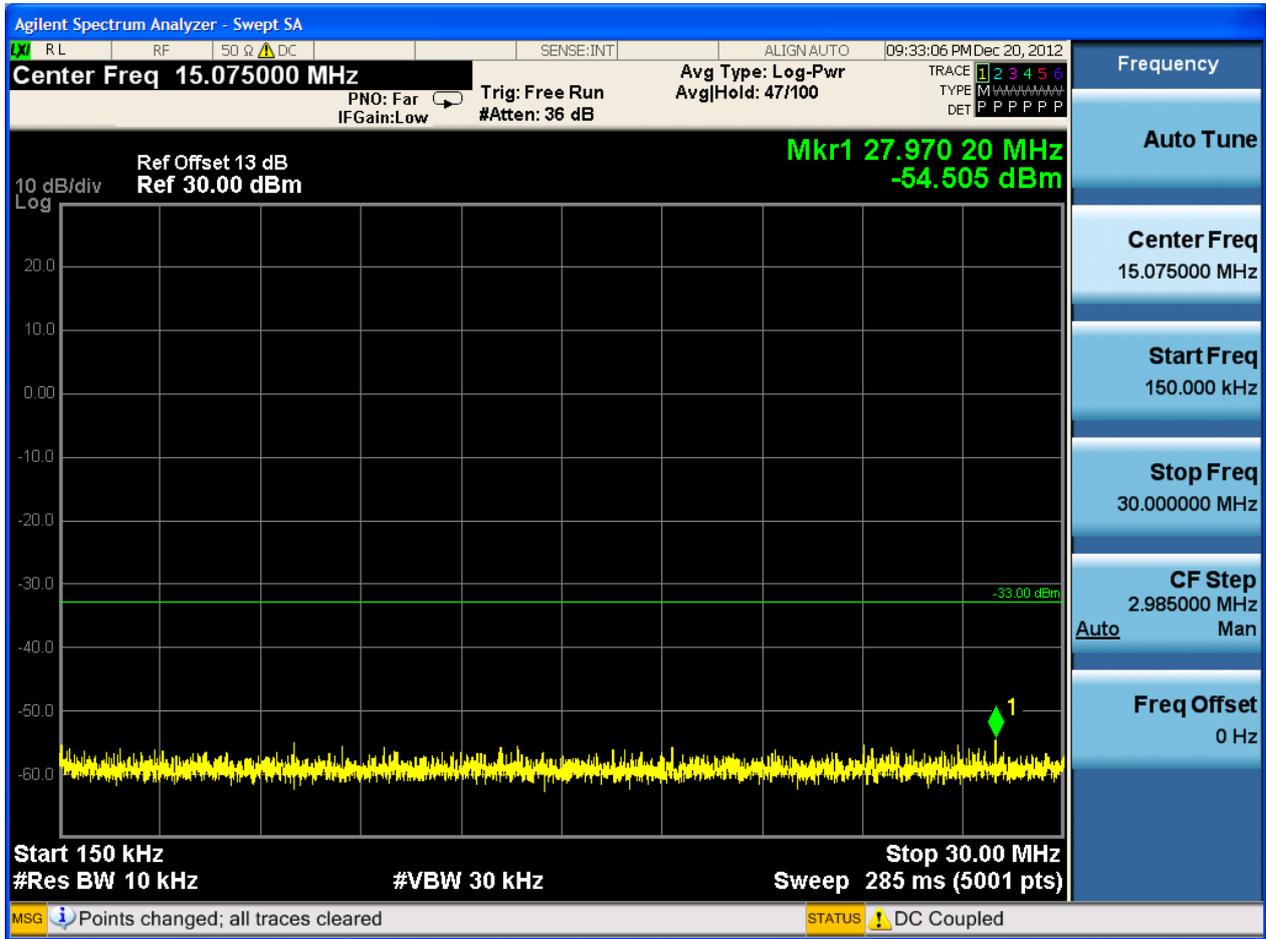




#### 4.1.1.1.4.3 Test Channel = MCH

#### 4.1.1.1.4.2.1 Test RB = RB1#0





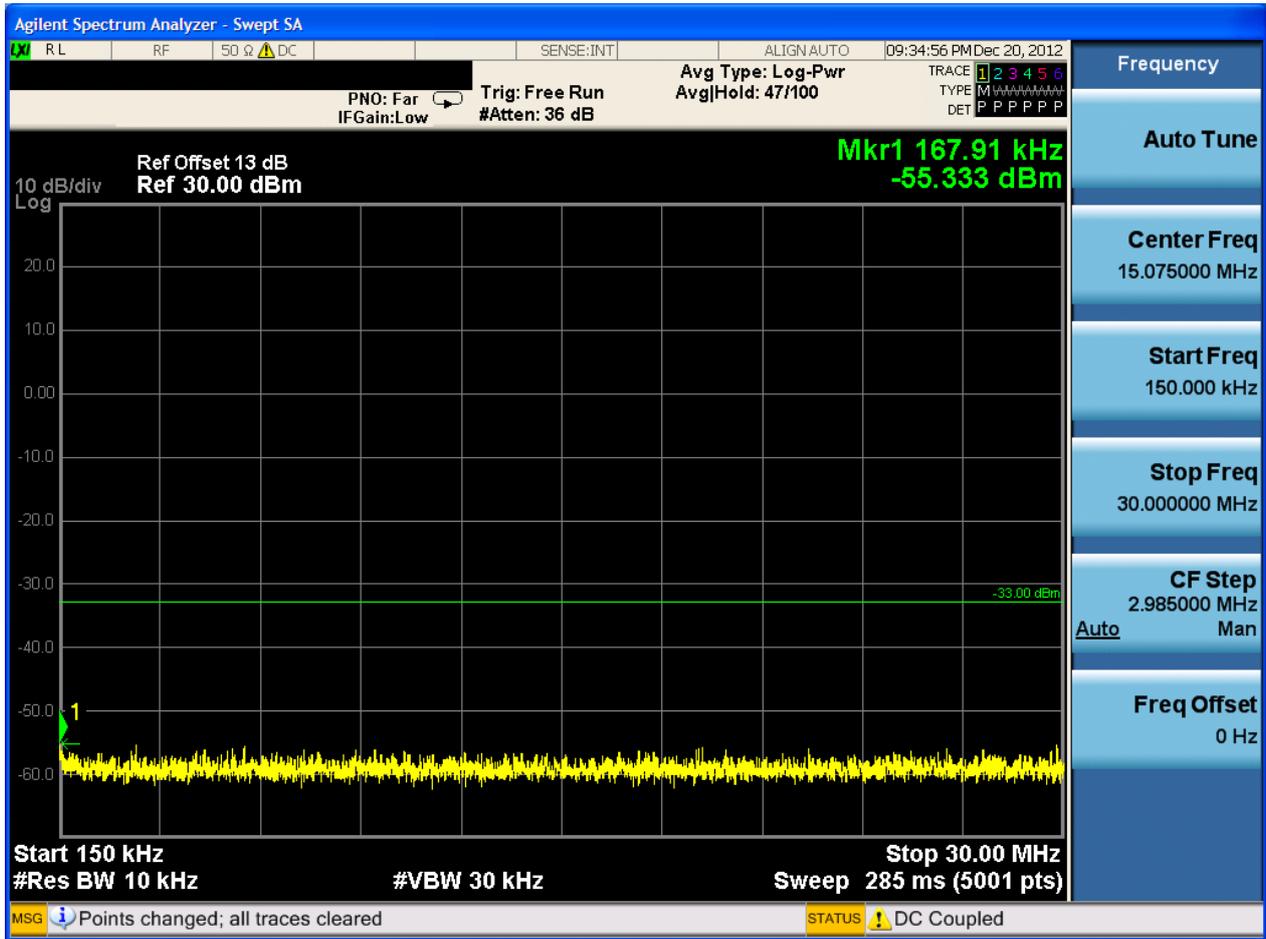


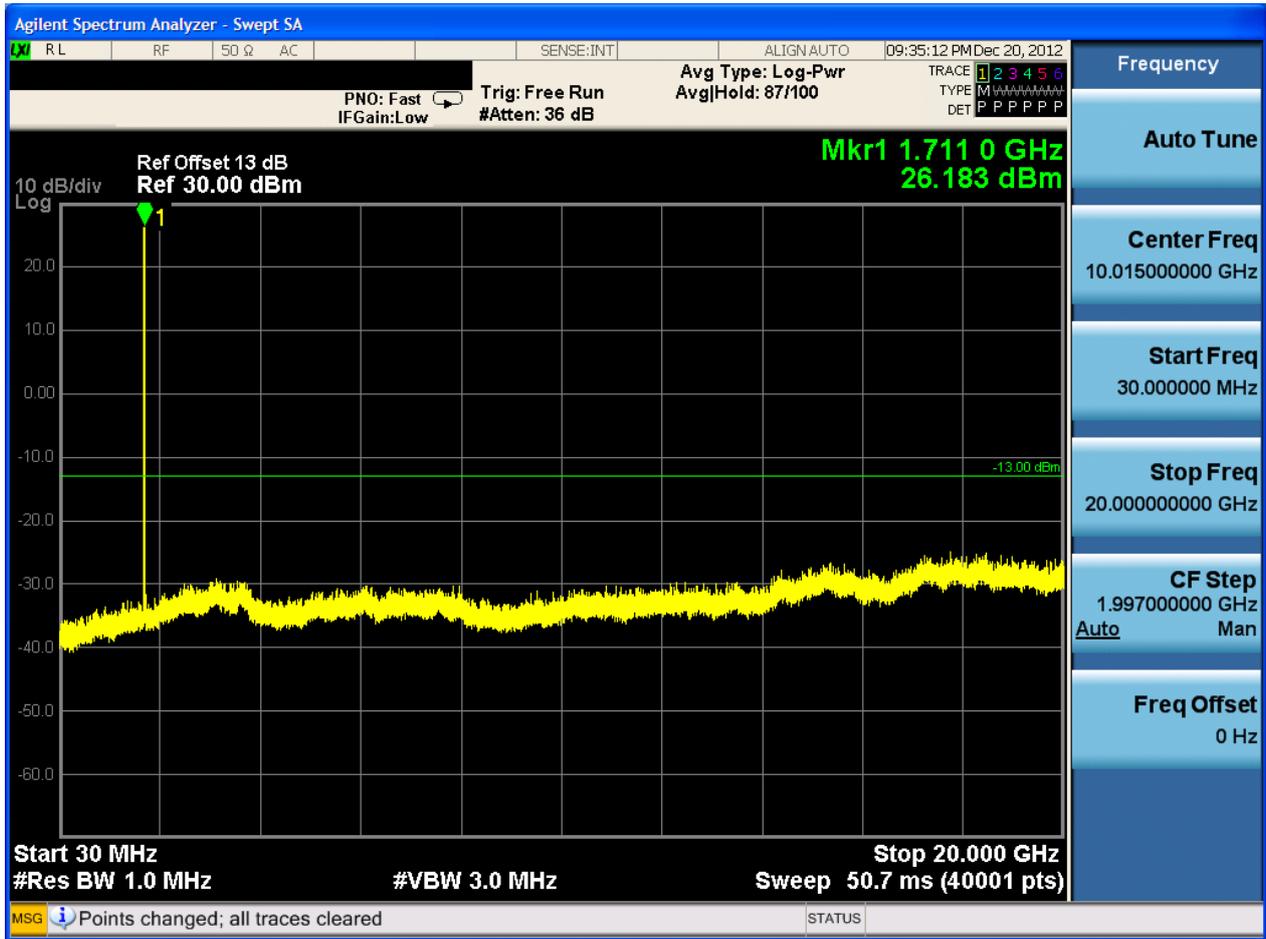
4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB1#0



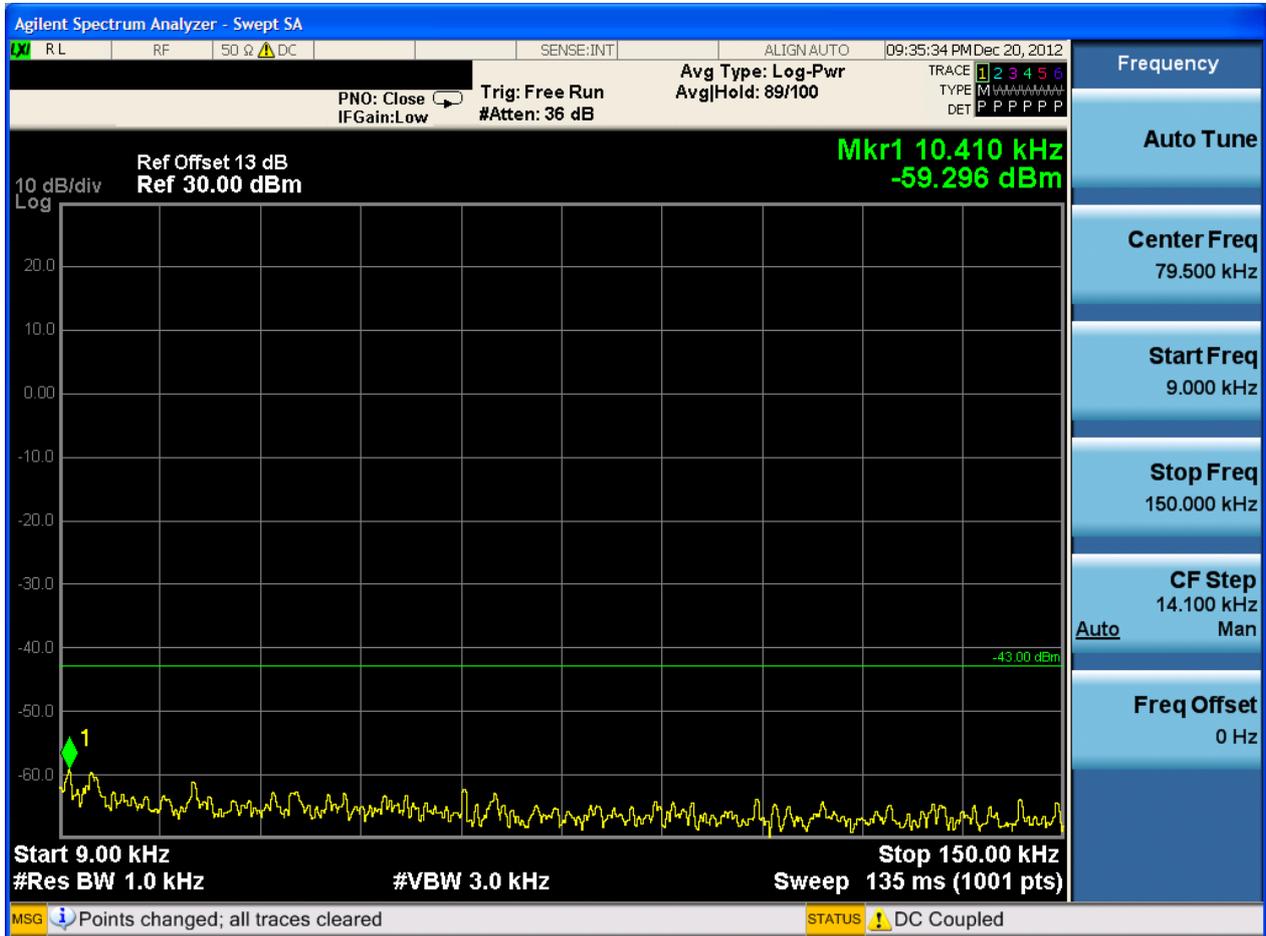


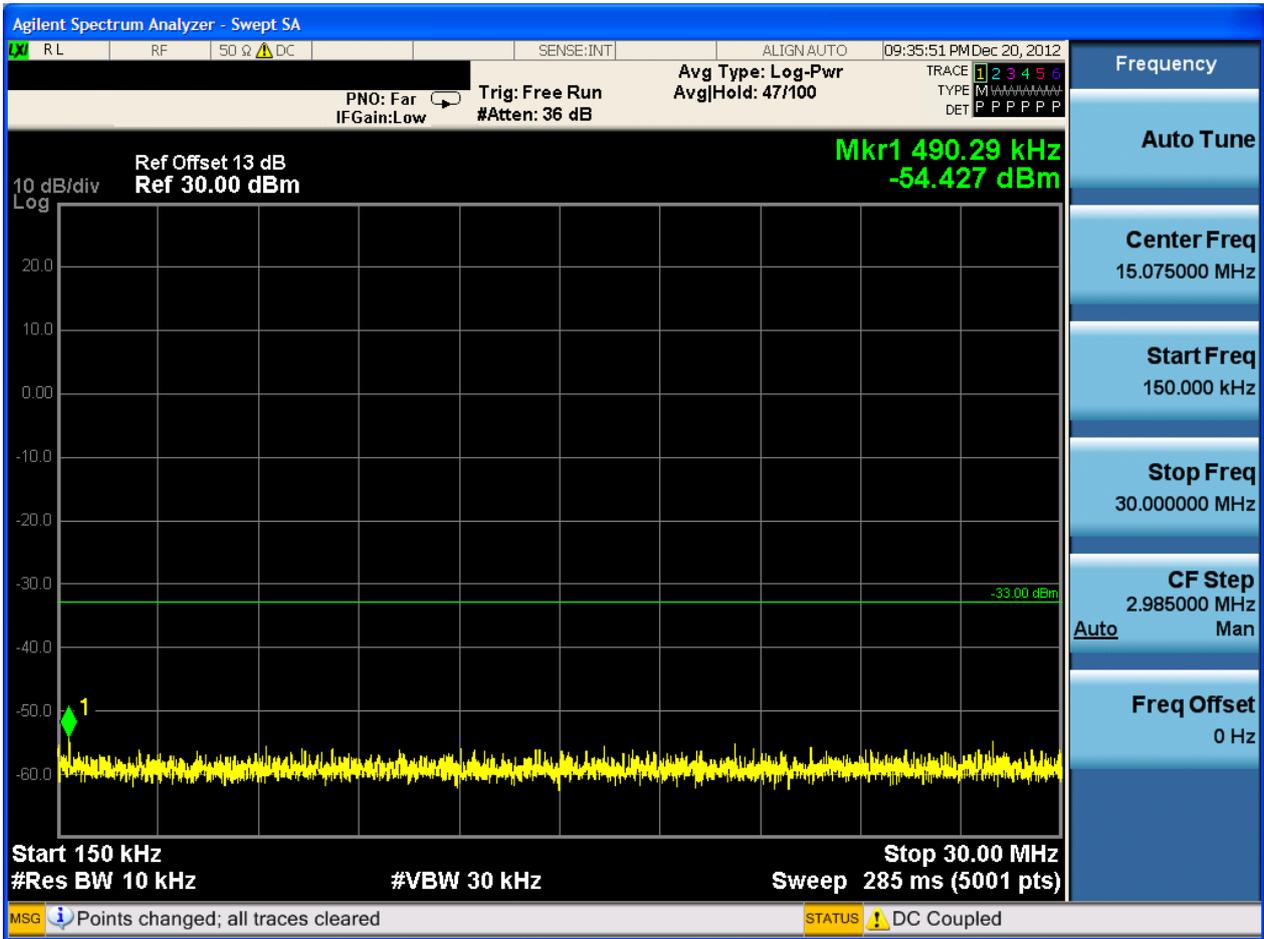


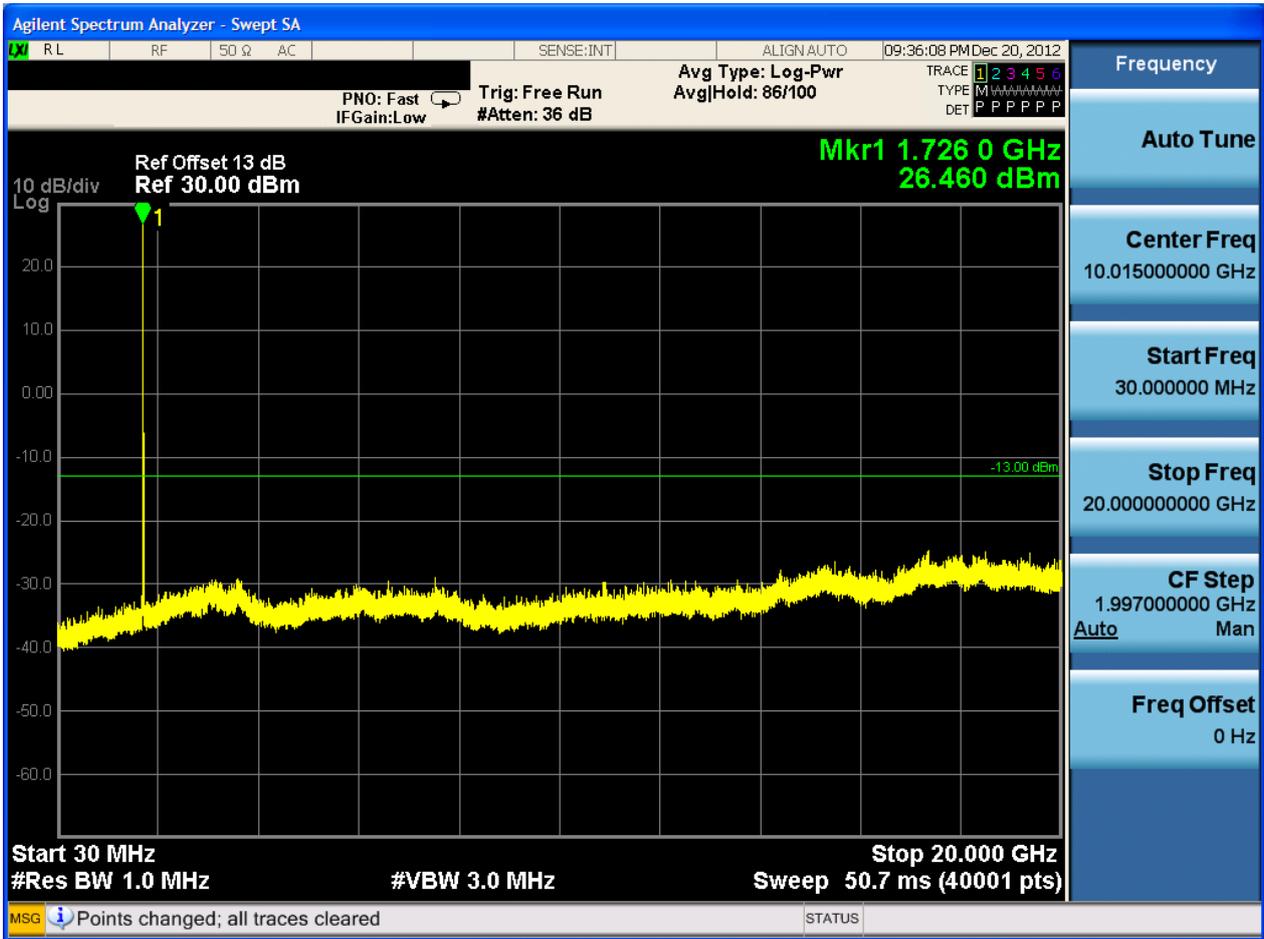


#### 4.1.1.1.5.2 Test Channel = HCH

#### 4.1.1.1.5.2.1 Test RB = RB1#0



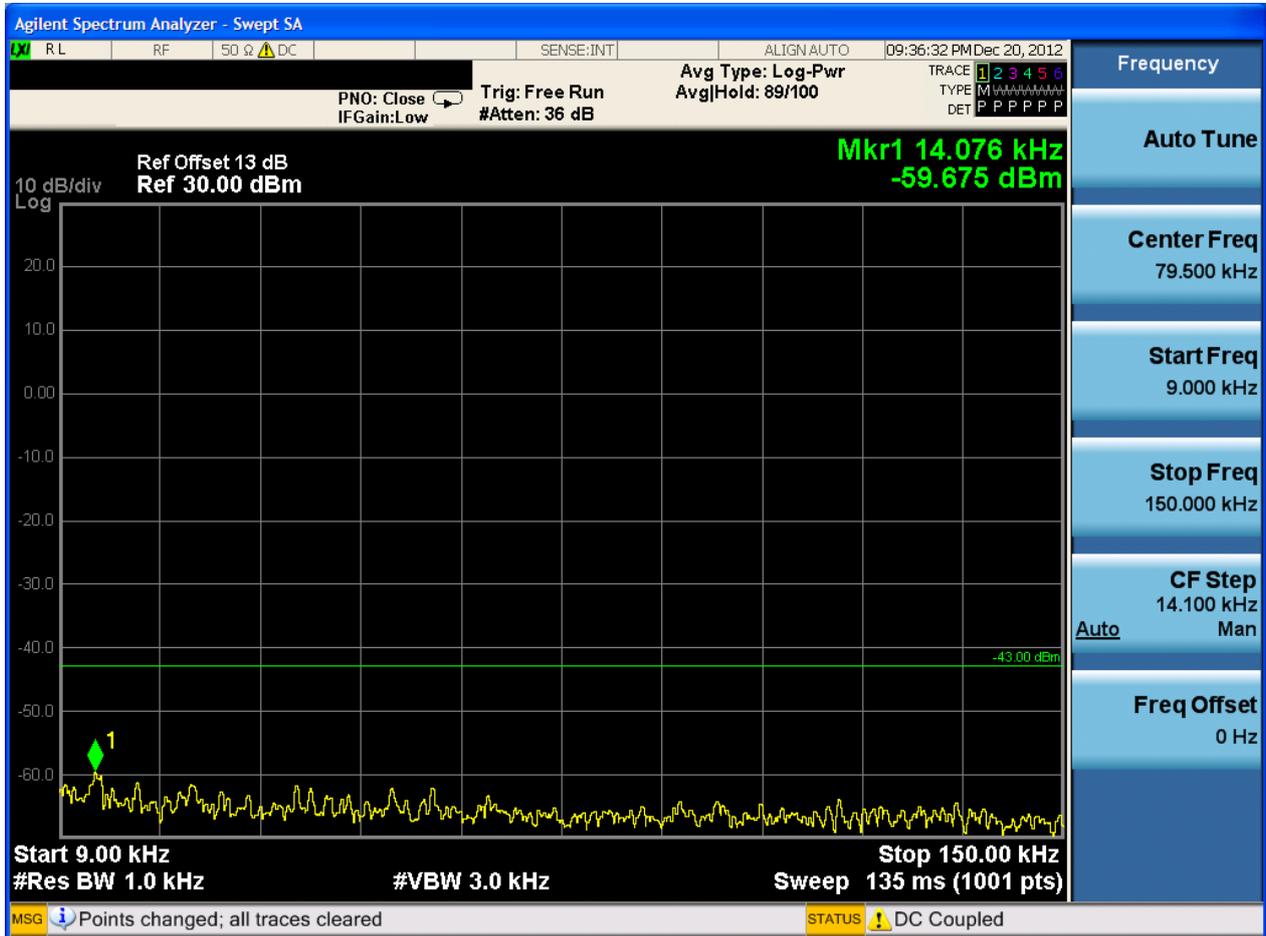


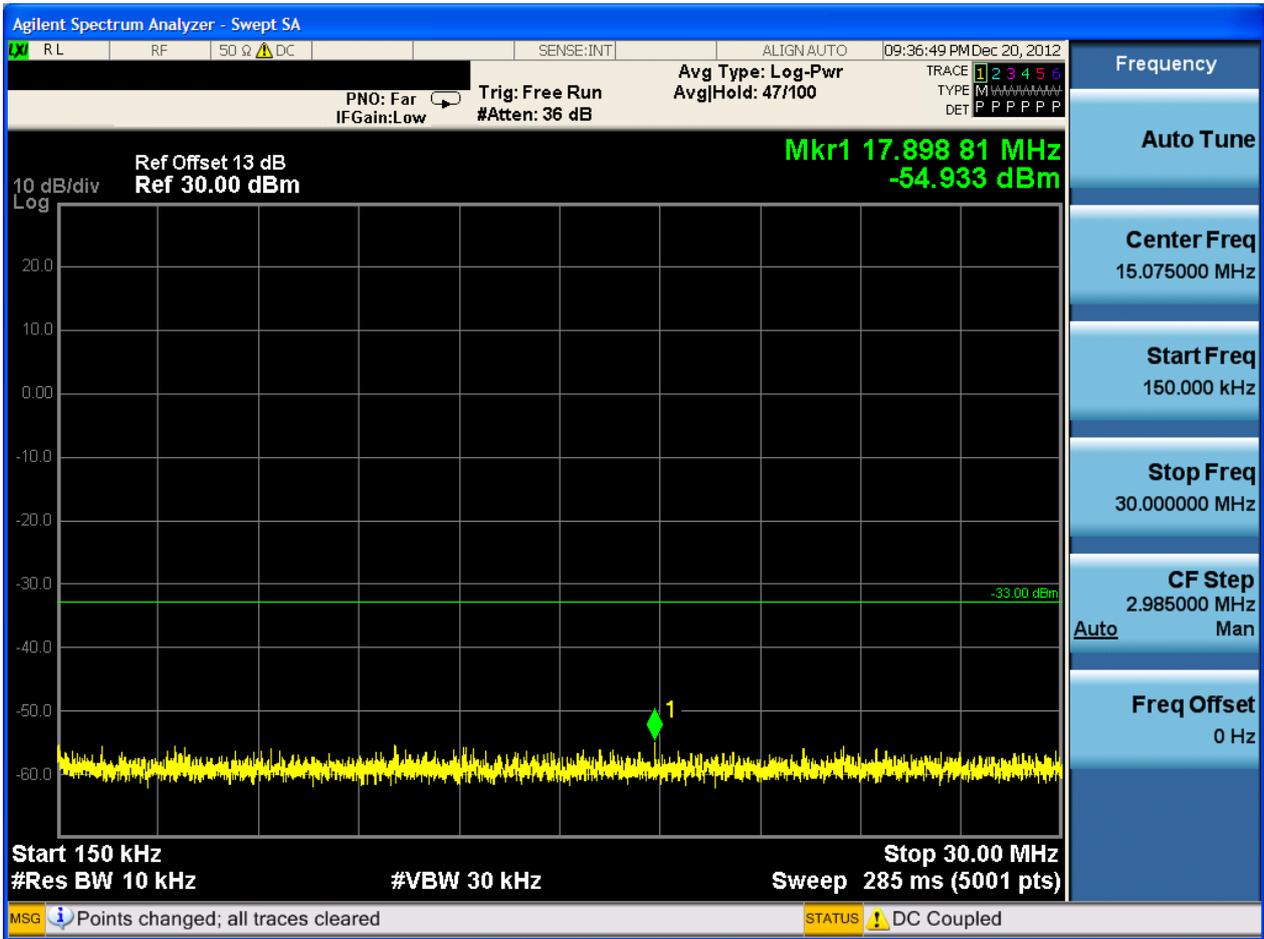


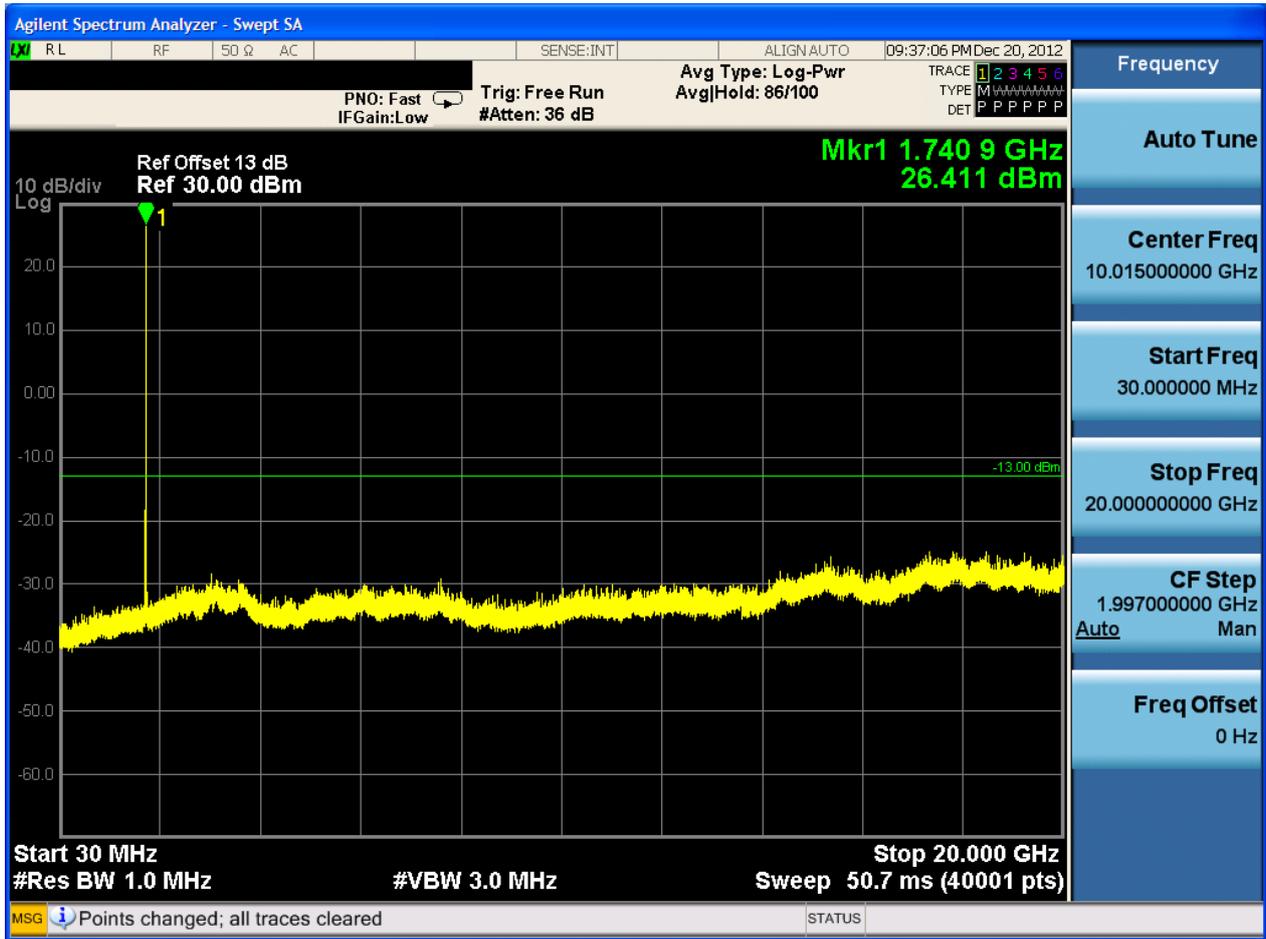


### 4.1.1.1.5.3 Test Channel = MCH

#### 4.1.1.1.5.2.1 Test RB = RB1#0





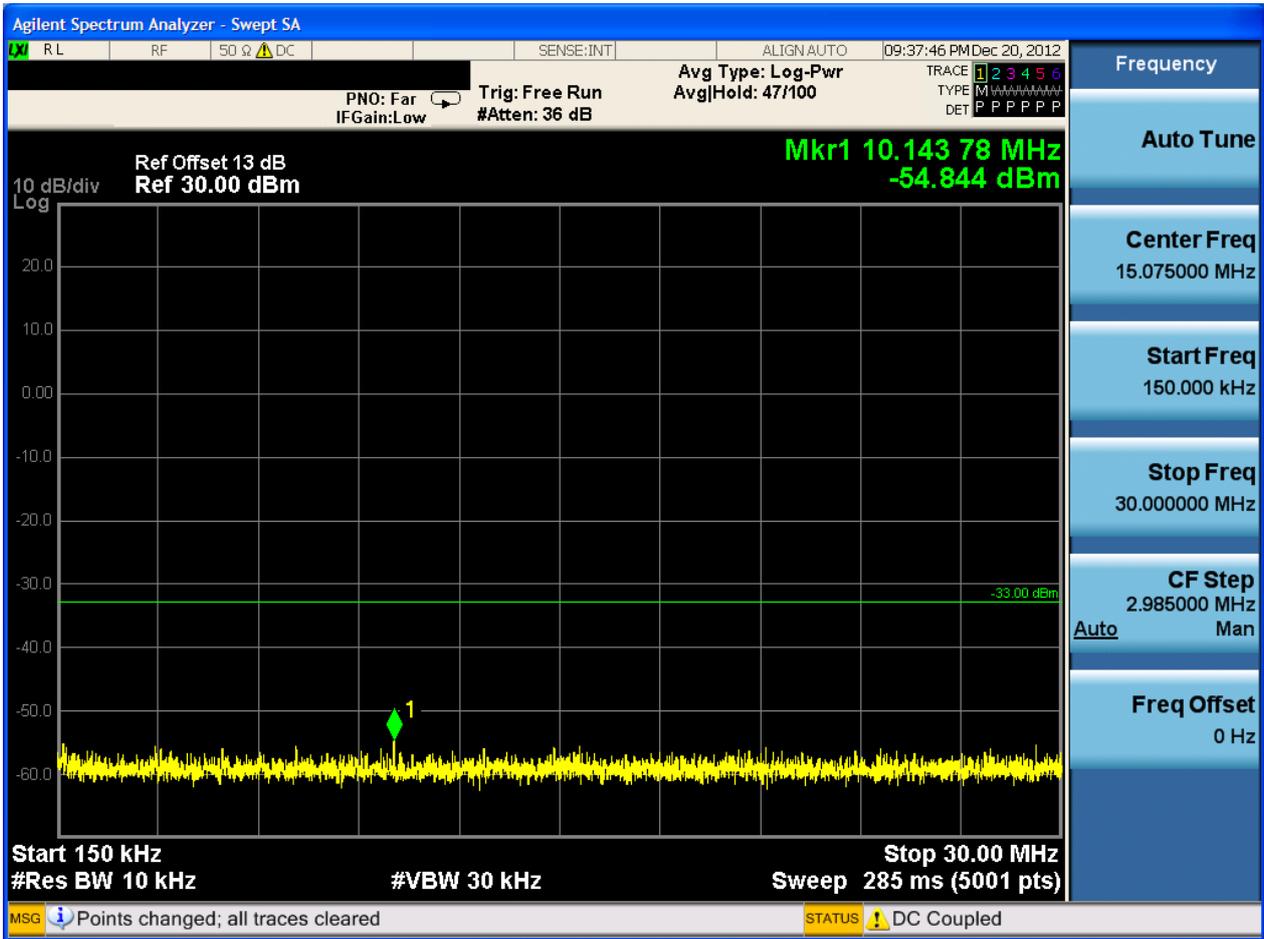


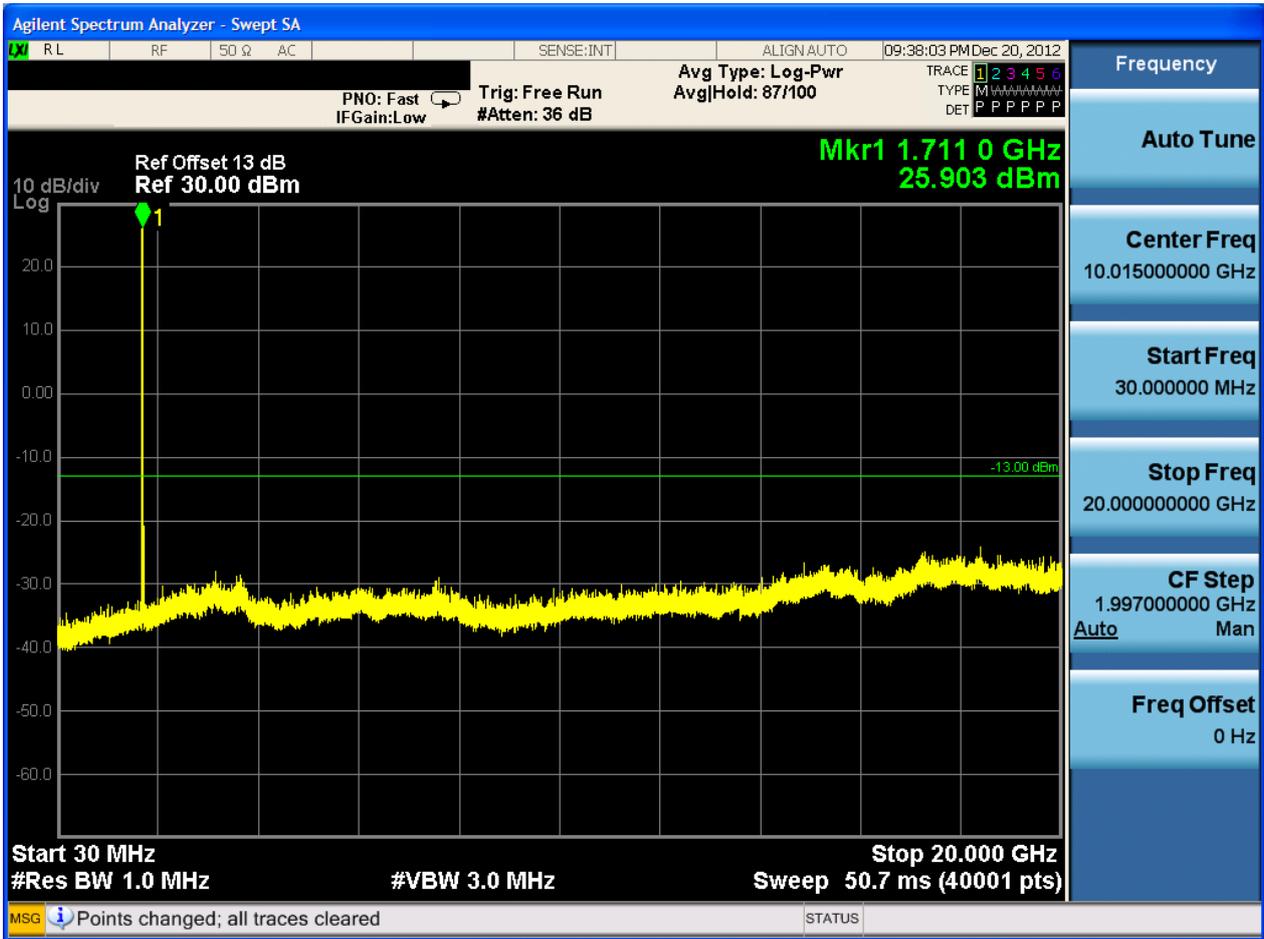
4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.5.1 Test Channel = LCH

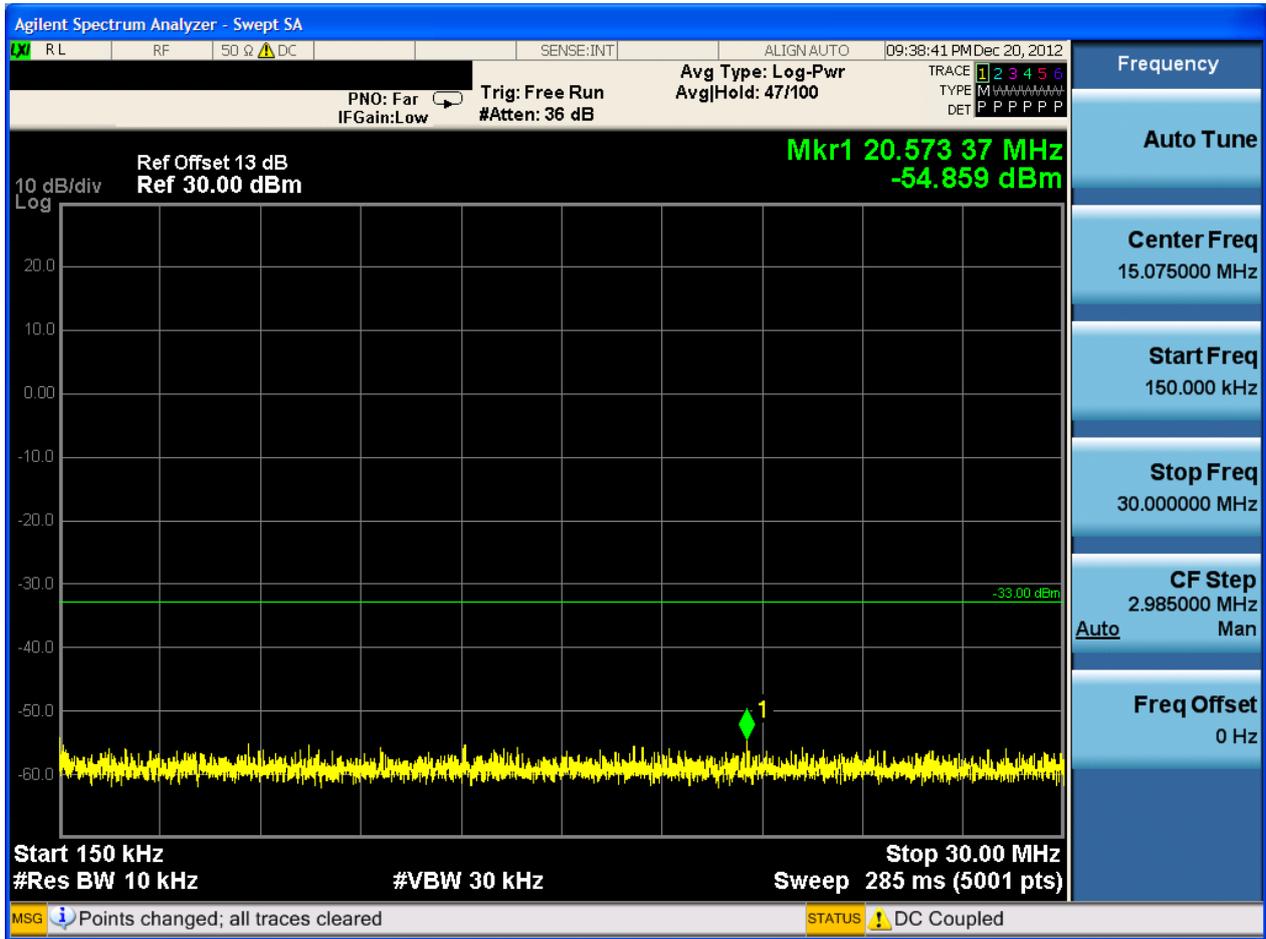
4.1.1.1.5.1.1 Test RB = RB1#0

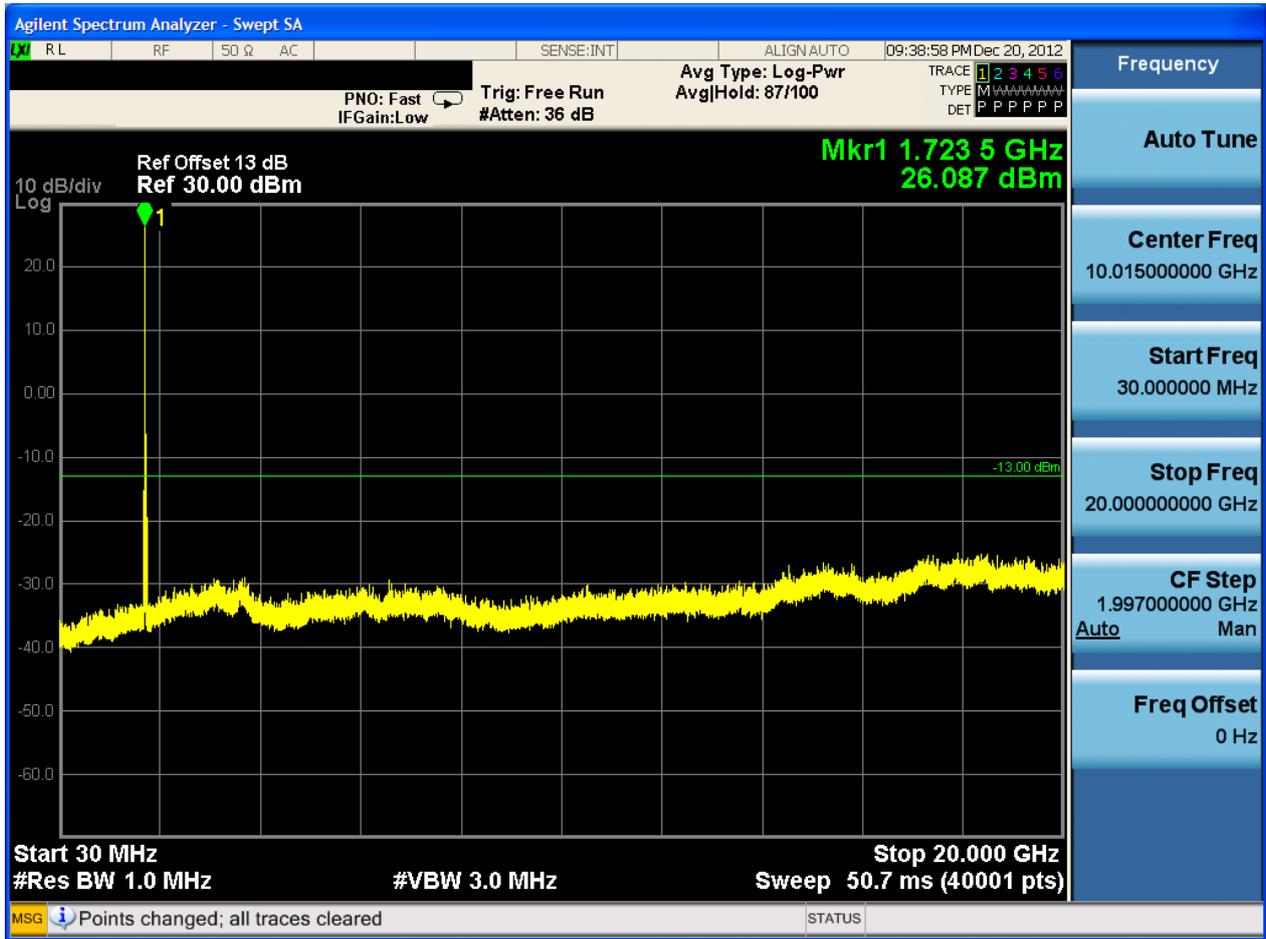








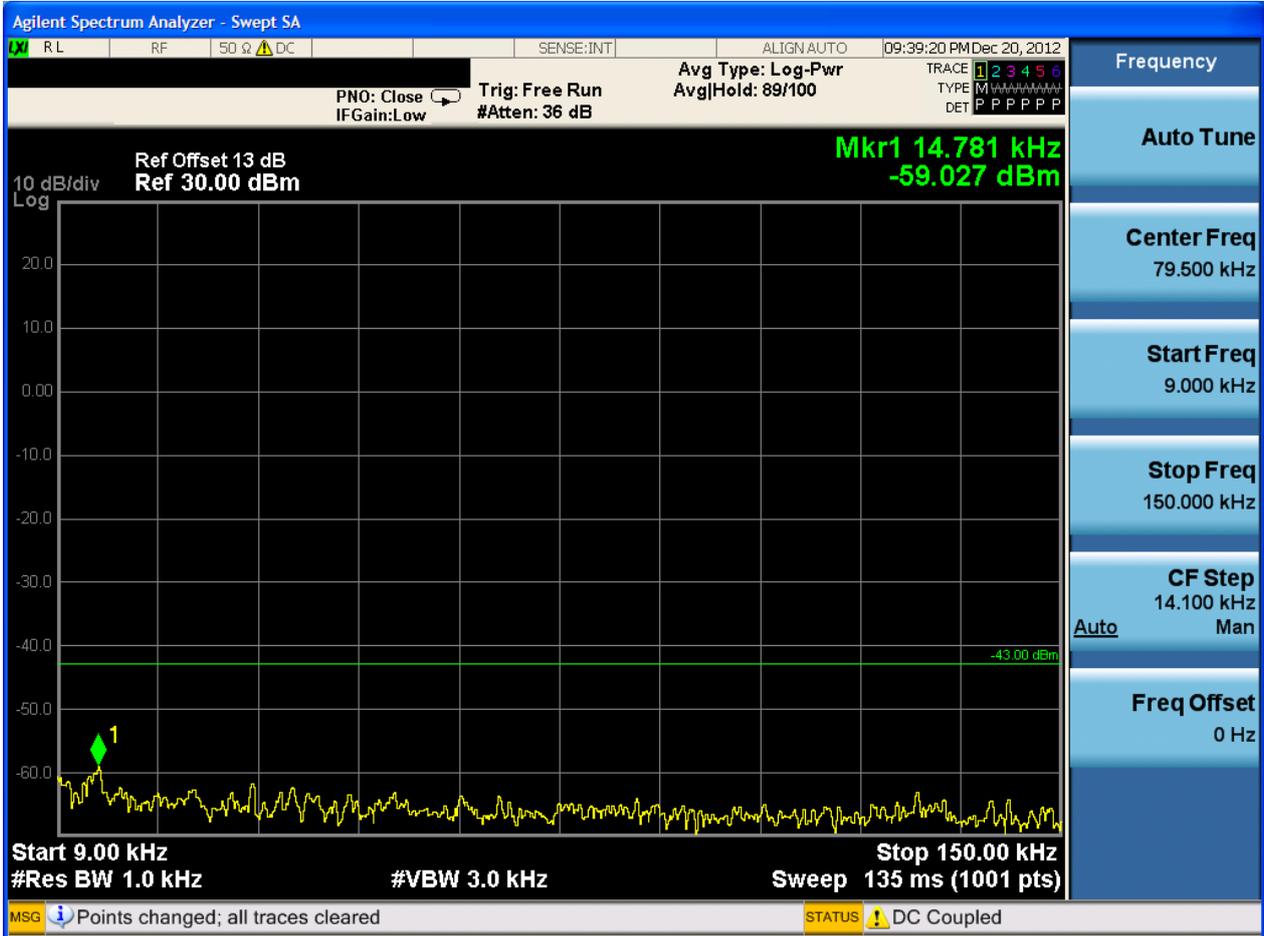


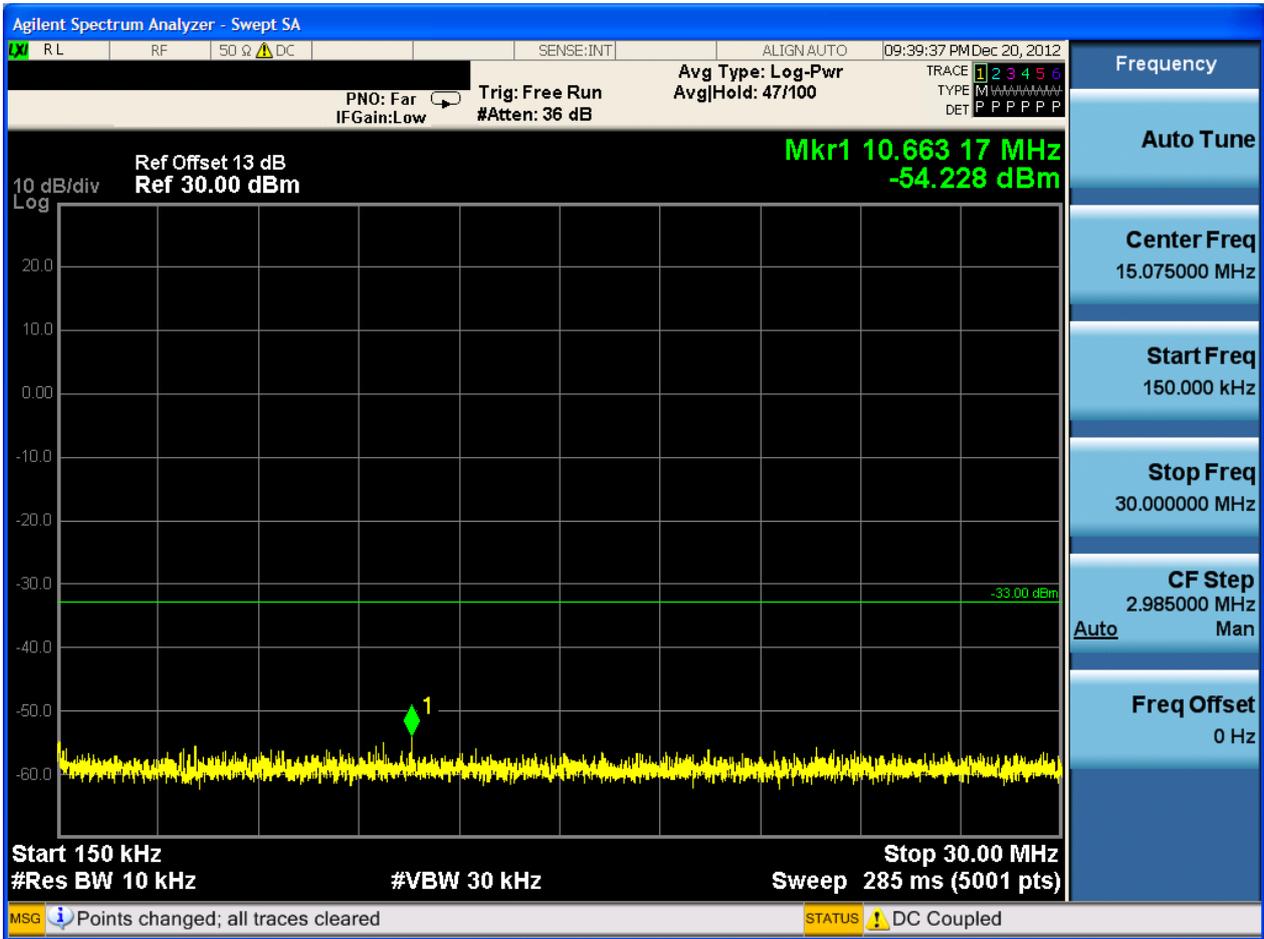




4.1.1.1.6.3 Test Channel = MCH

4.1.1.1.6.2.1 Test RB = RB1#0







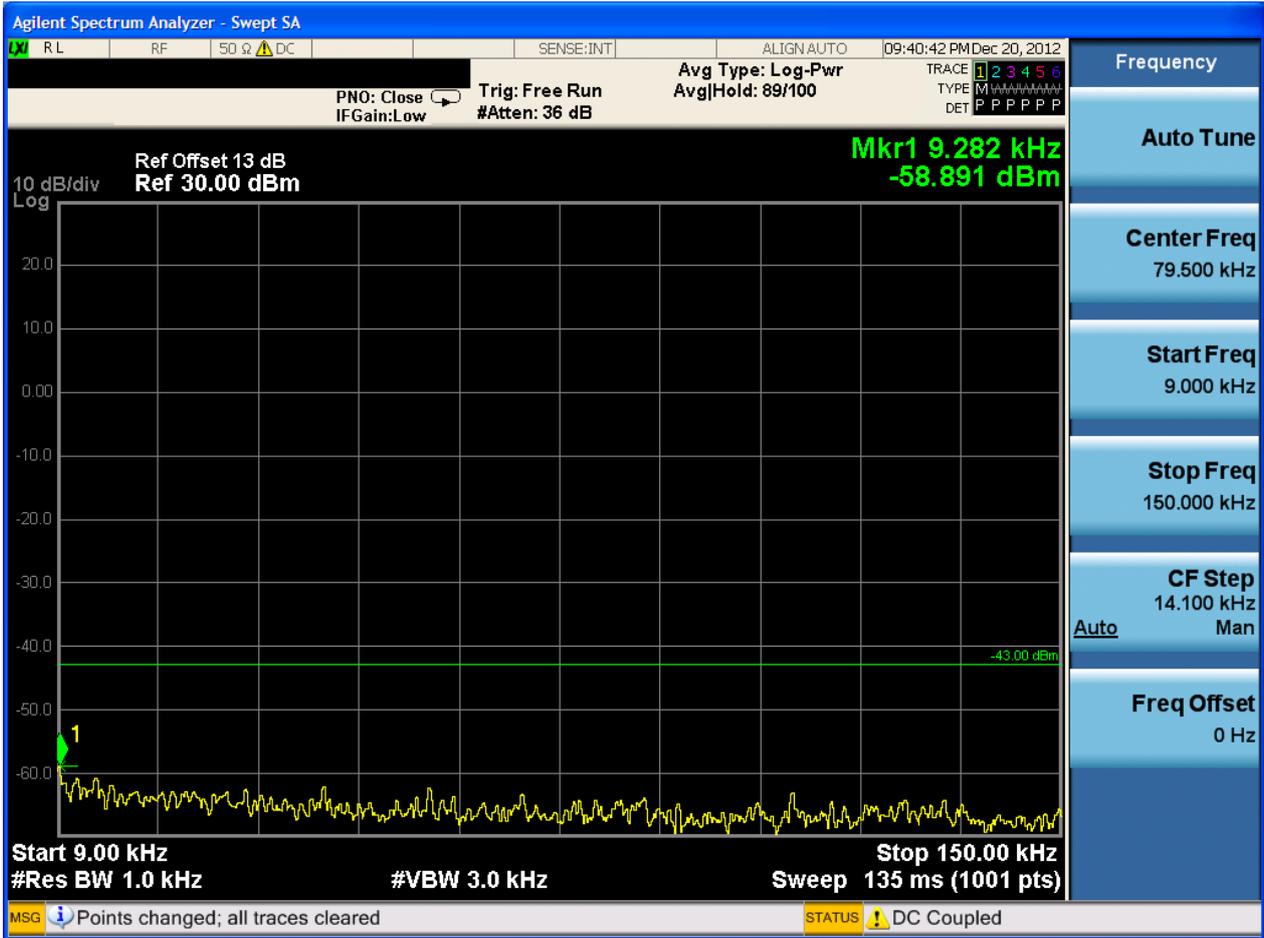


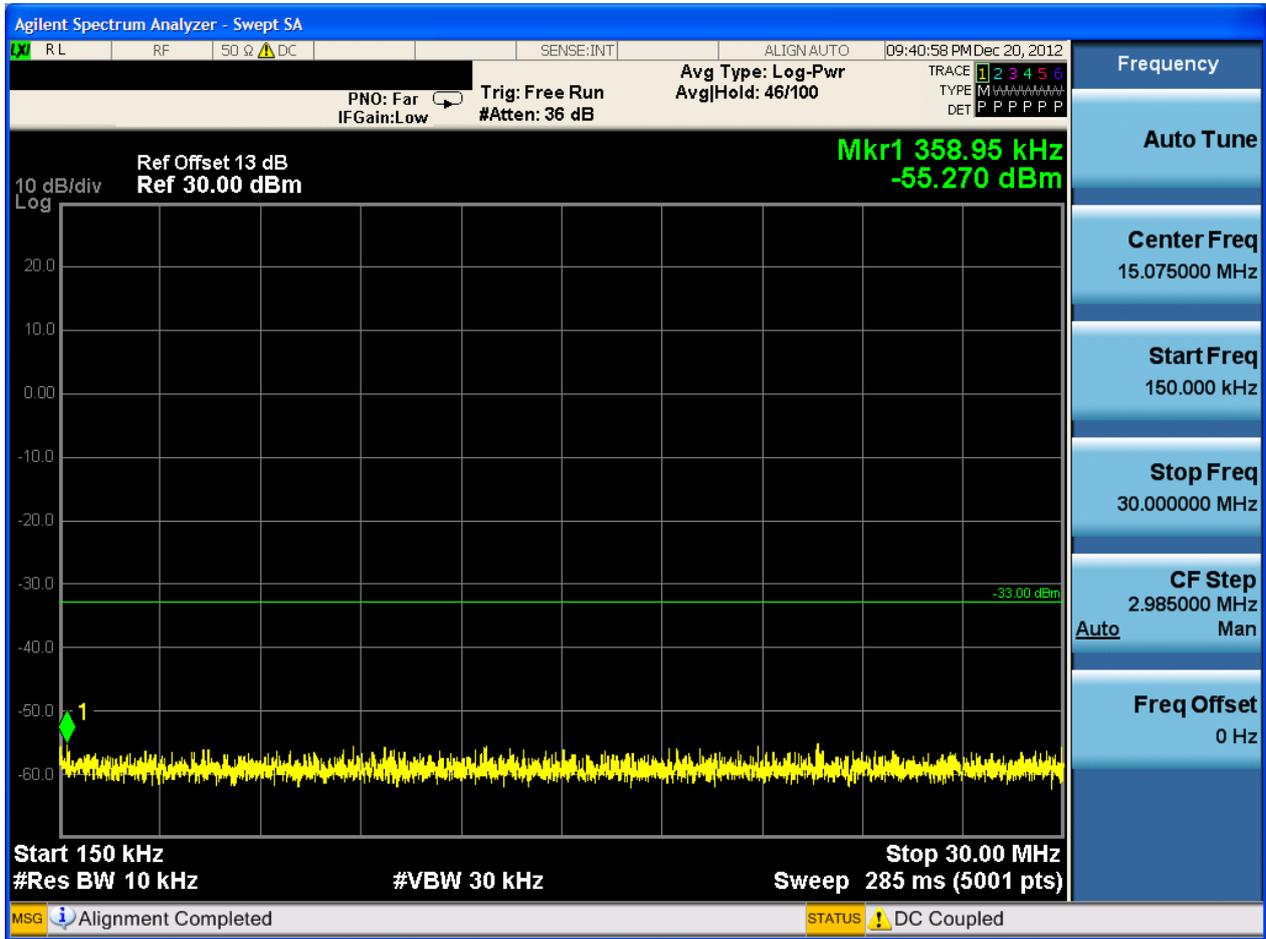
4.1.1.2 Test Mode = LTE/TM2

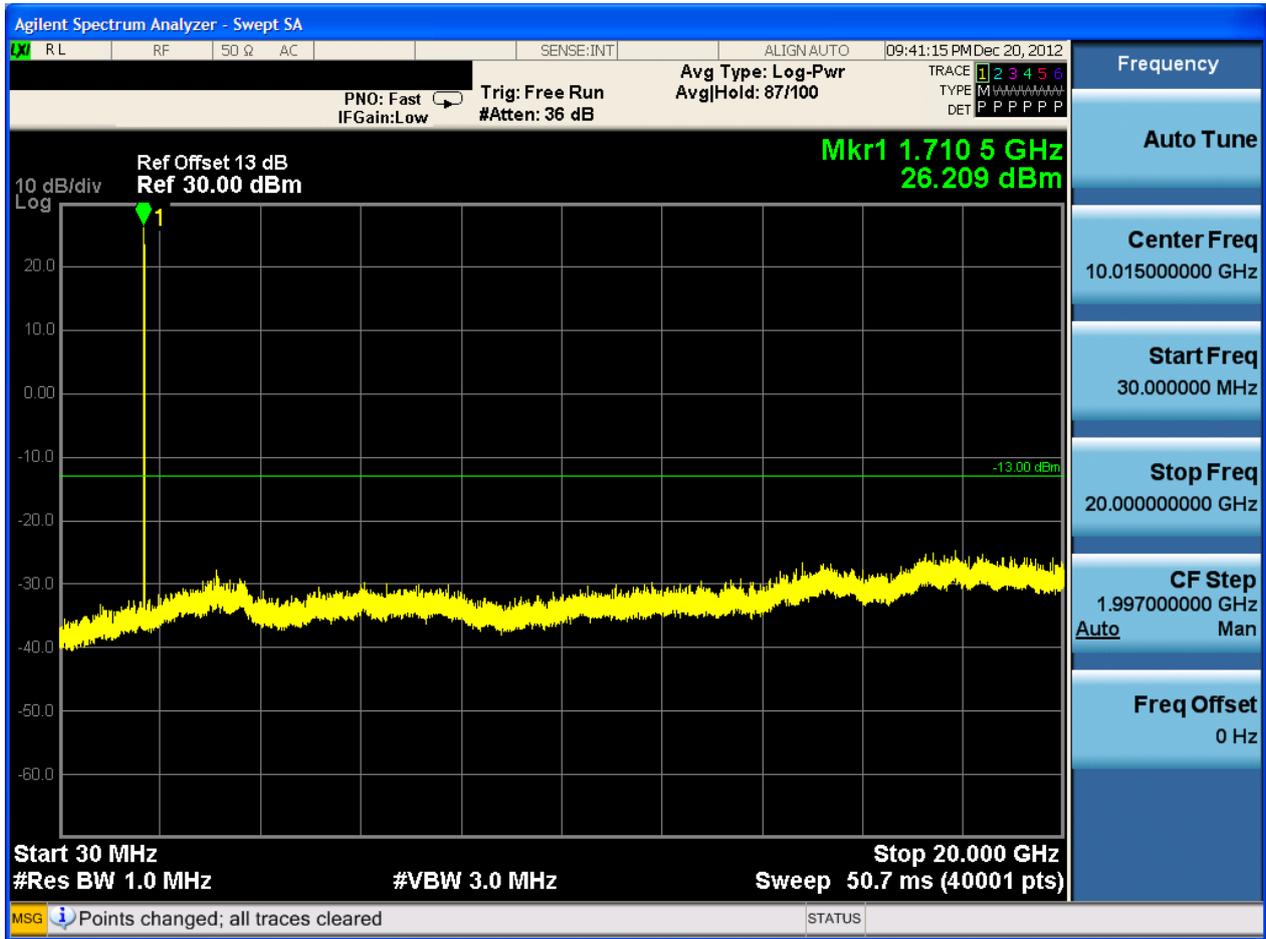
4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB1#0



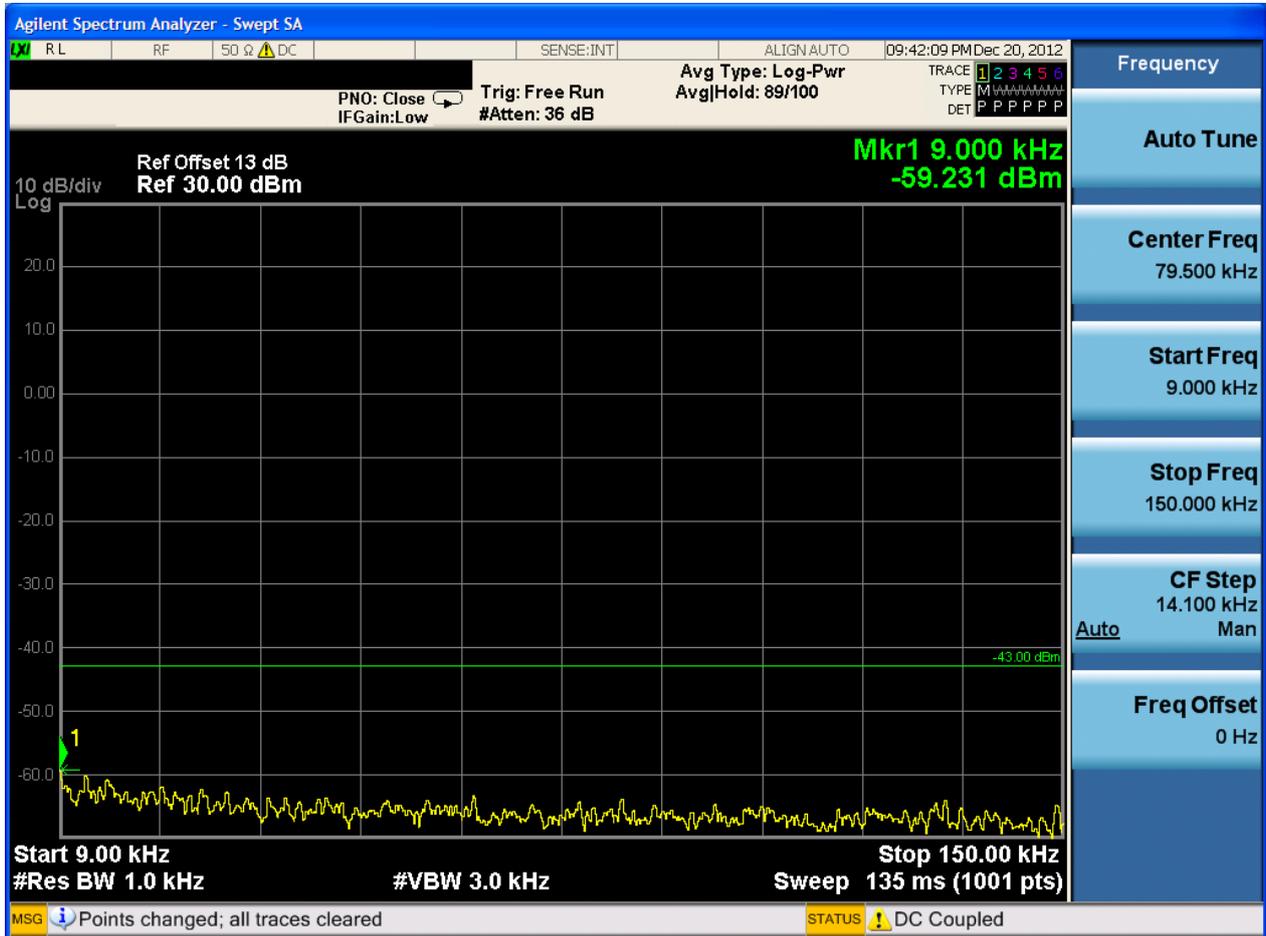


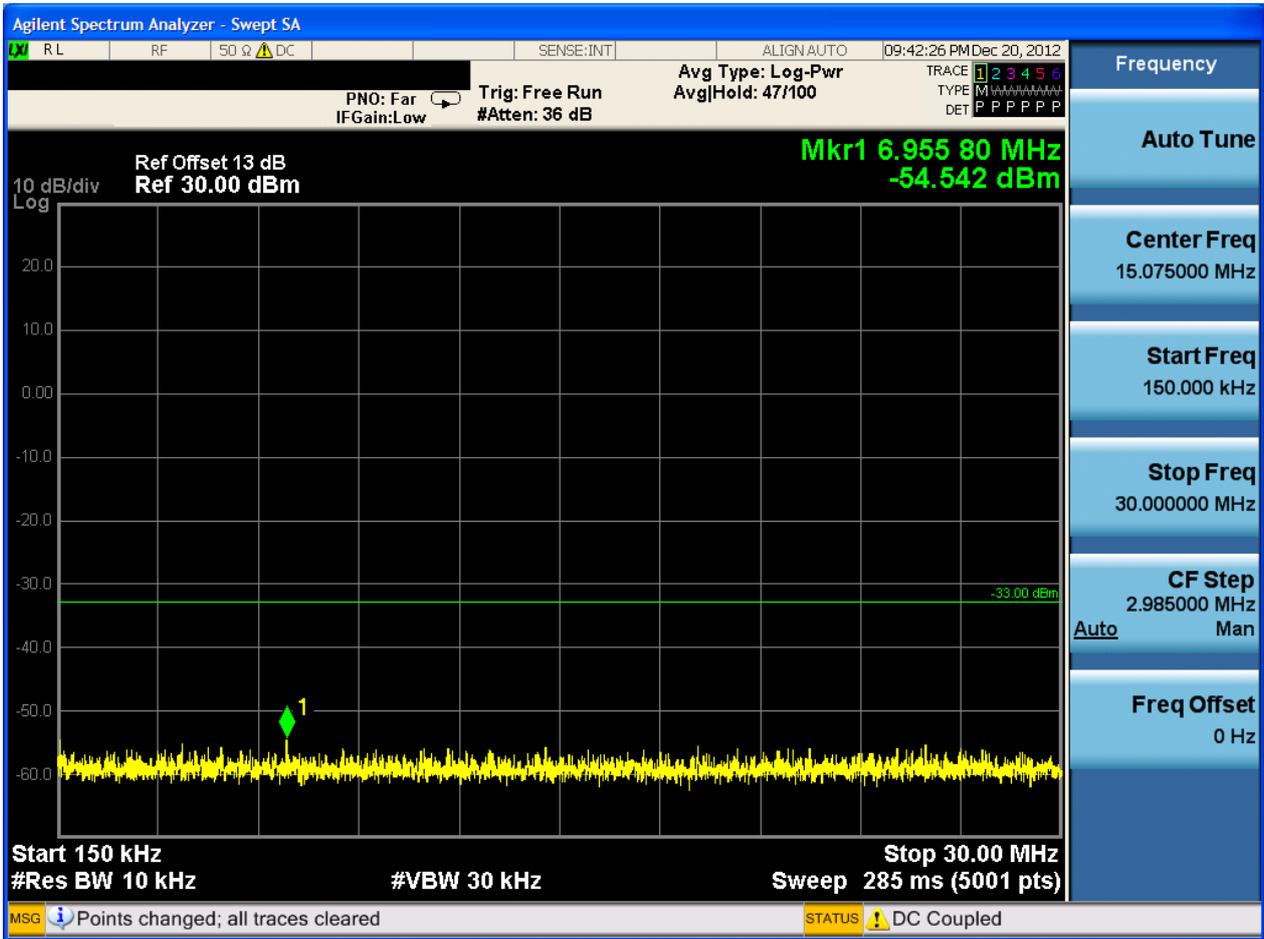


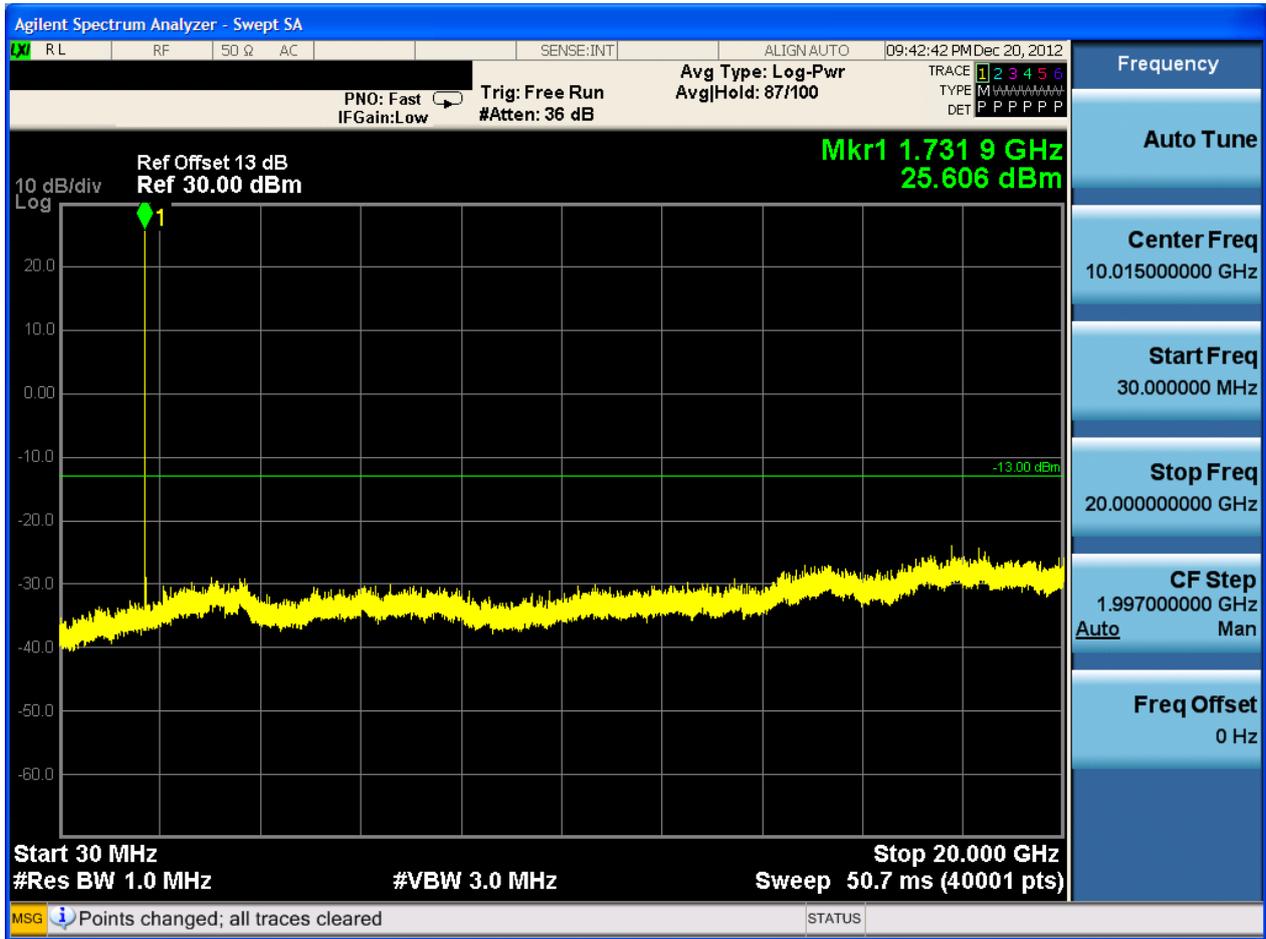


#### 4.1.1.2.1.2 Test Channel = HCH

#### 4.1.1.2.1.2.1 Test RB = RB1#0





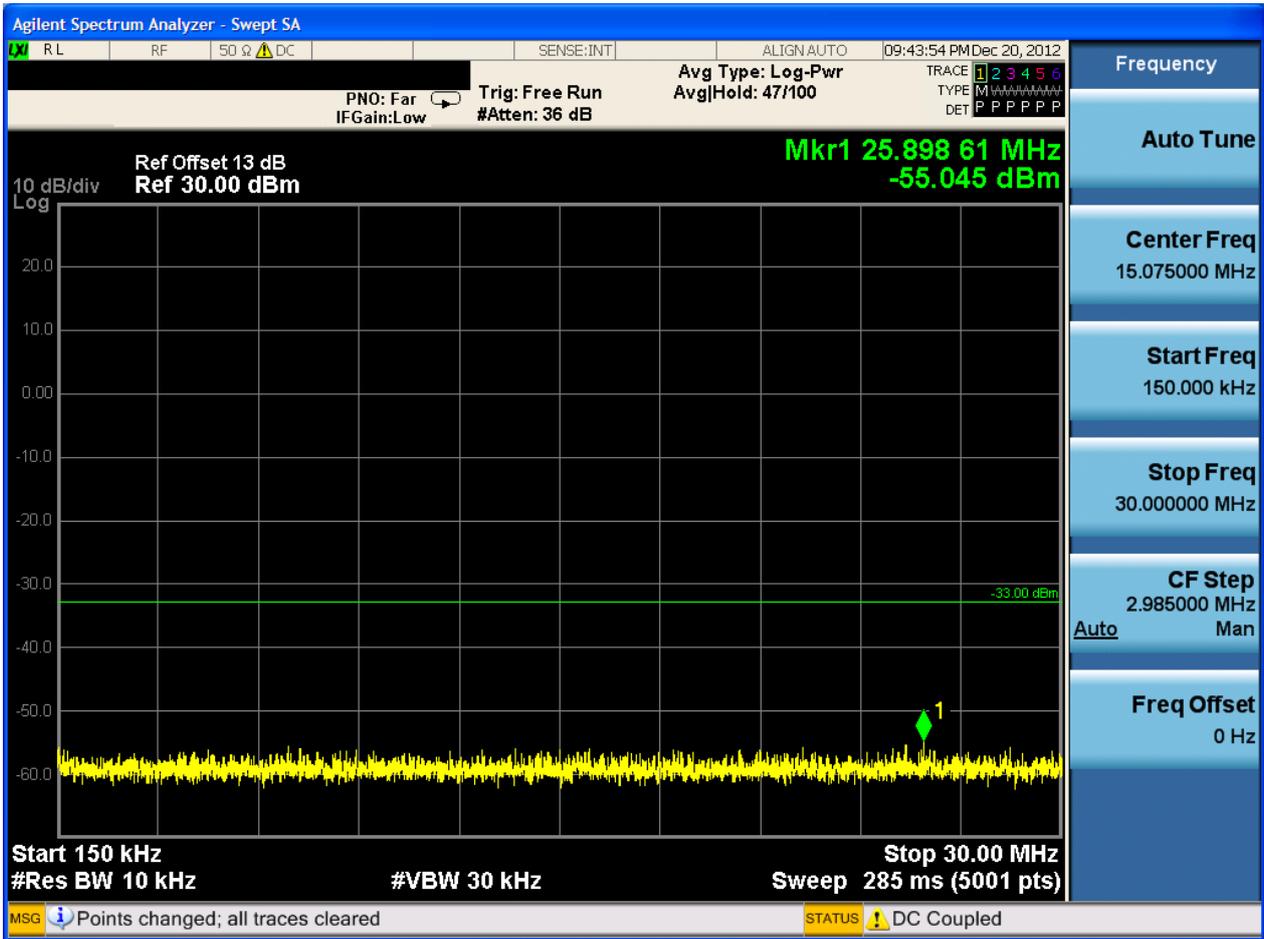


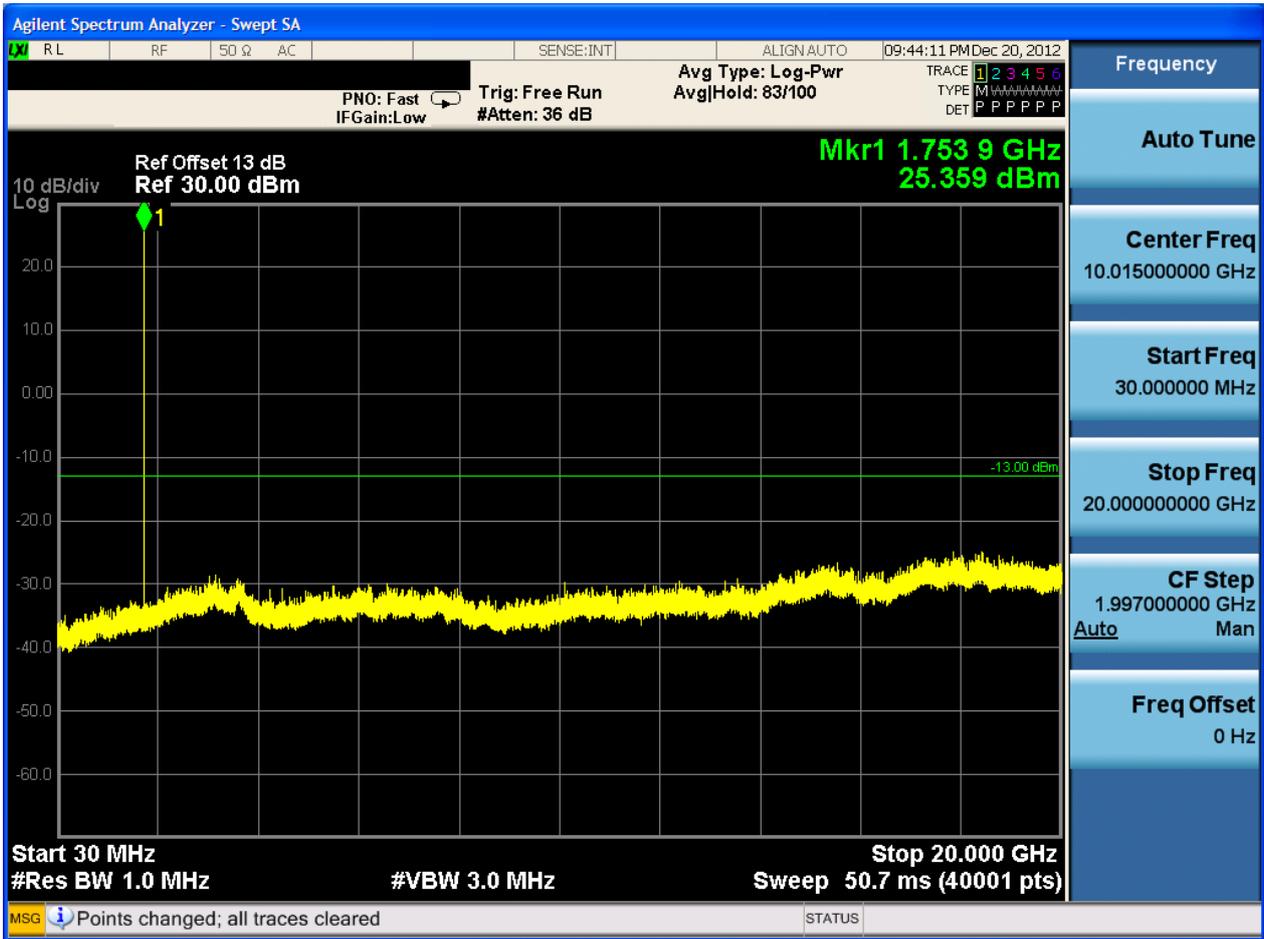


4.1.1.2.1.3 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB1#0





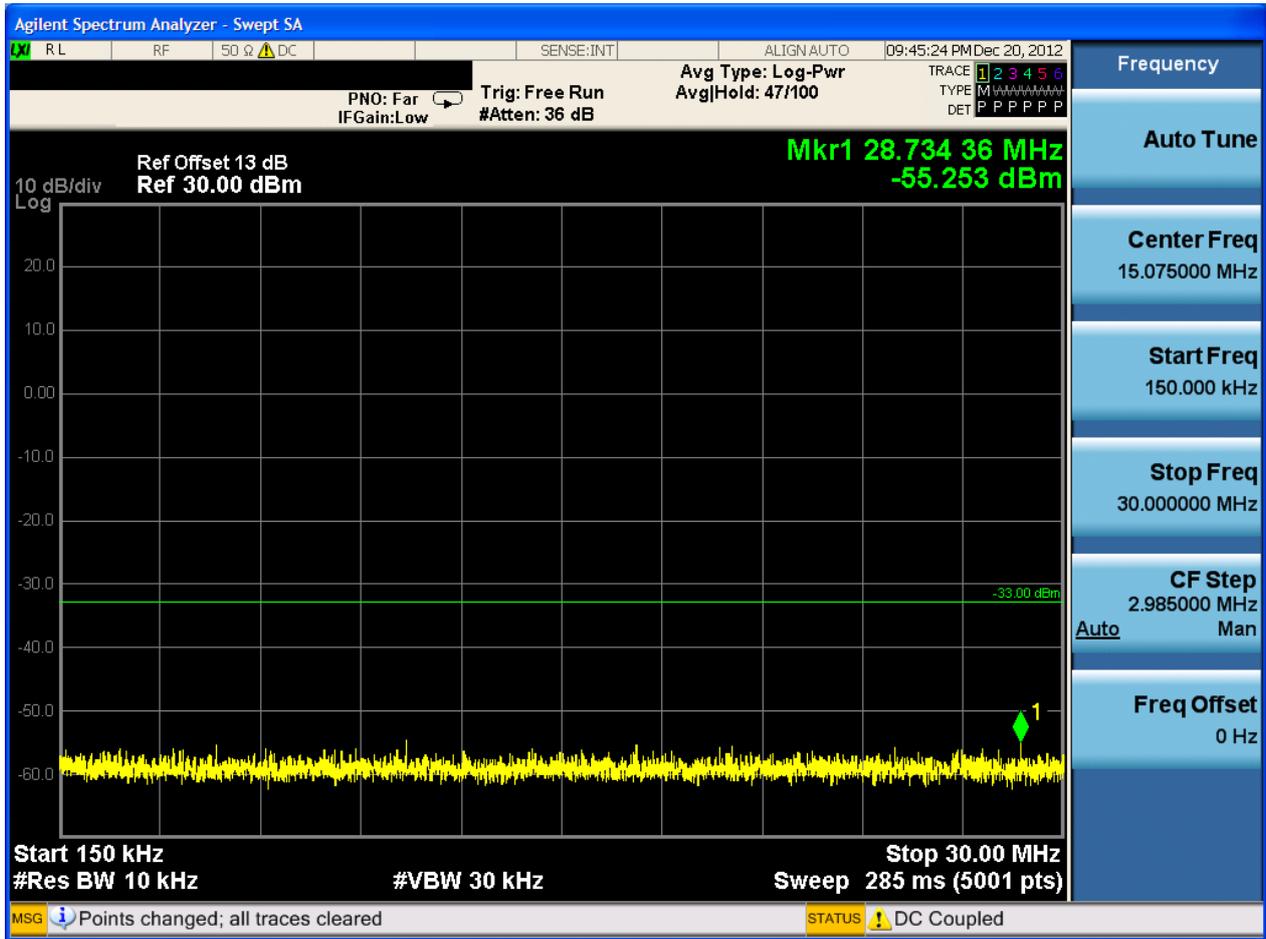


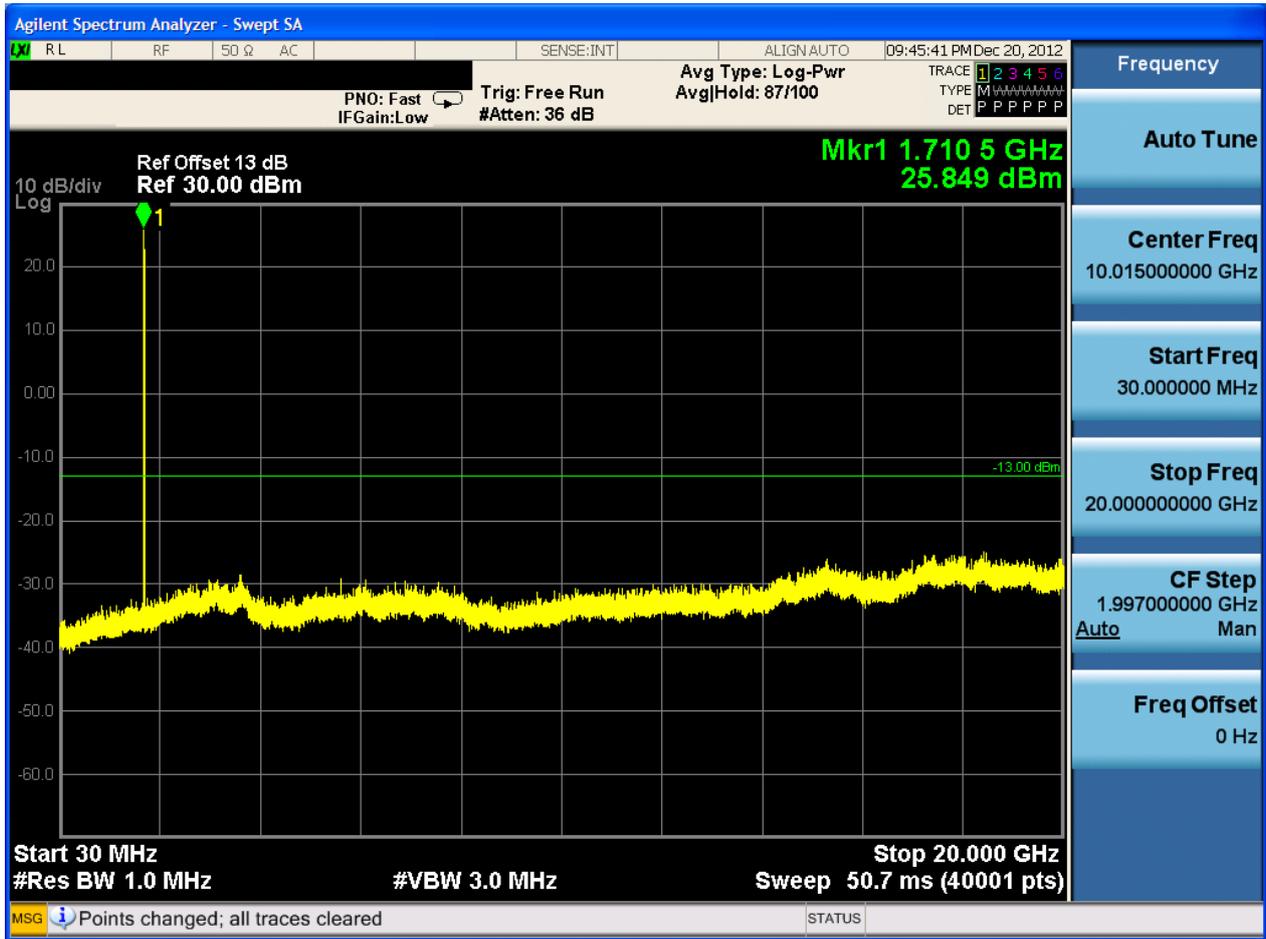
4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB1#0



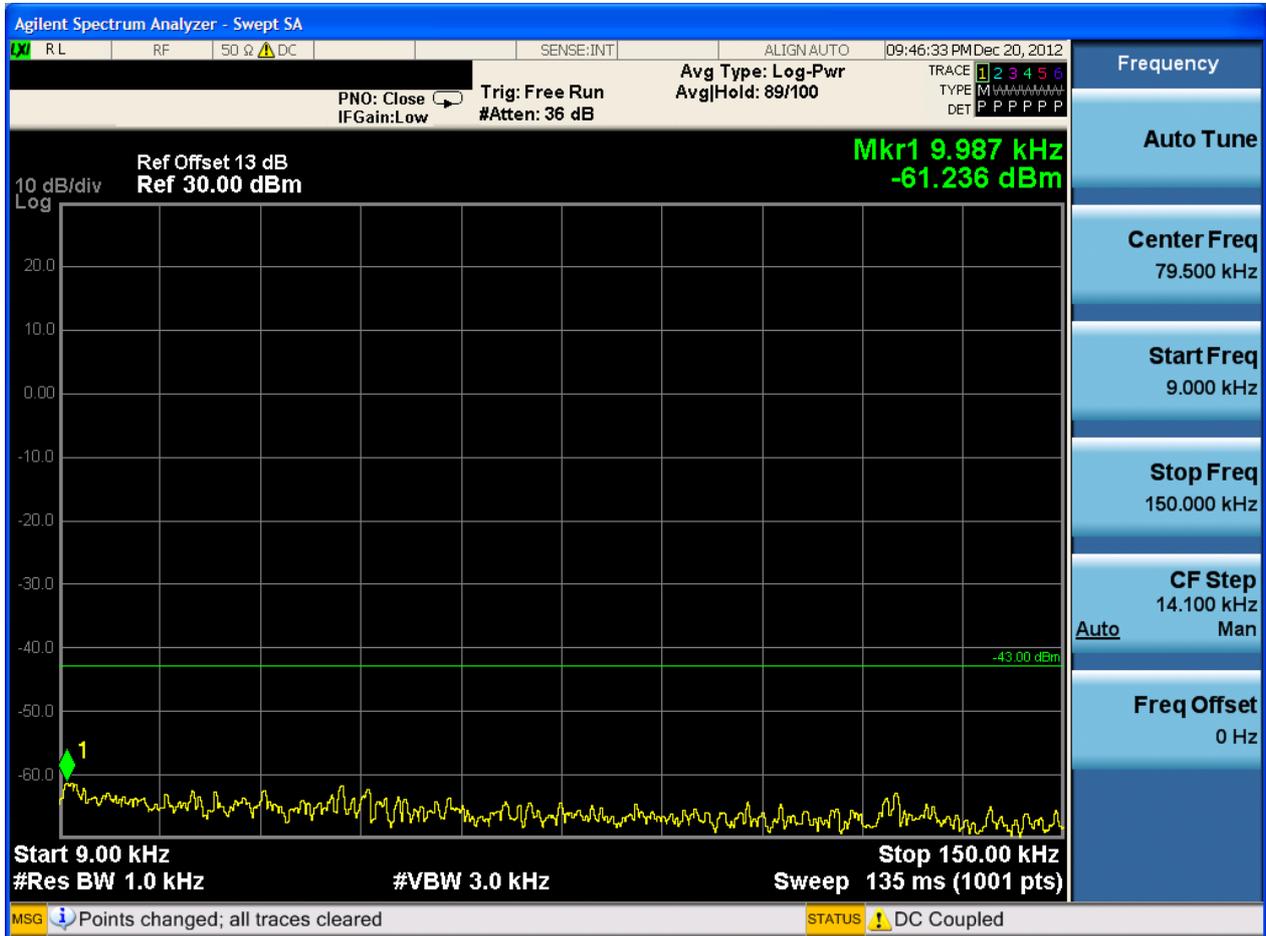




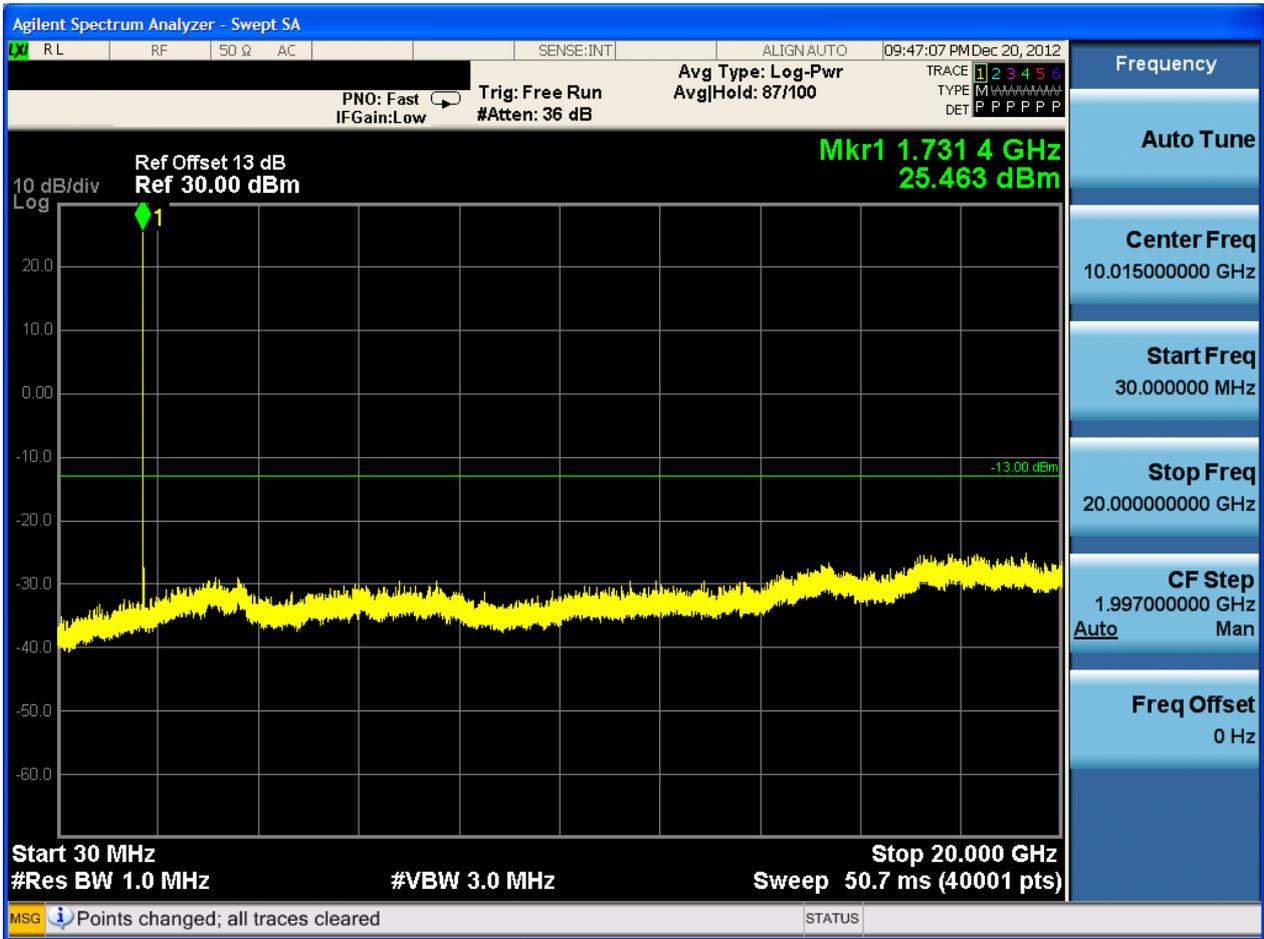


#### 4.1.1.2.2.2 Test Channel = HCH

##### 4.1.1.2.2.2.1 Test RB = RB1#0





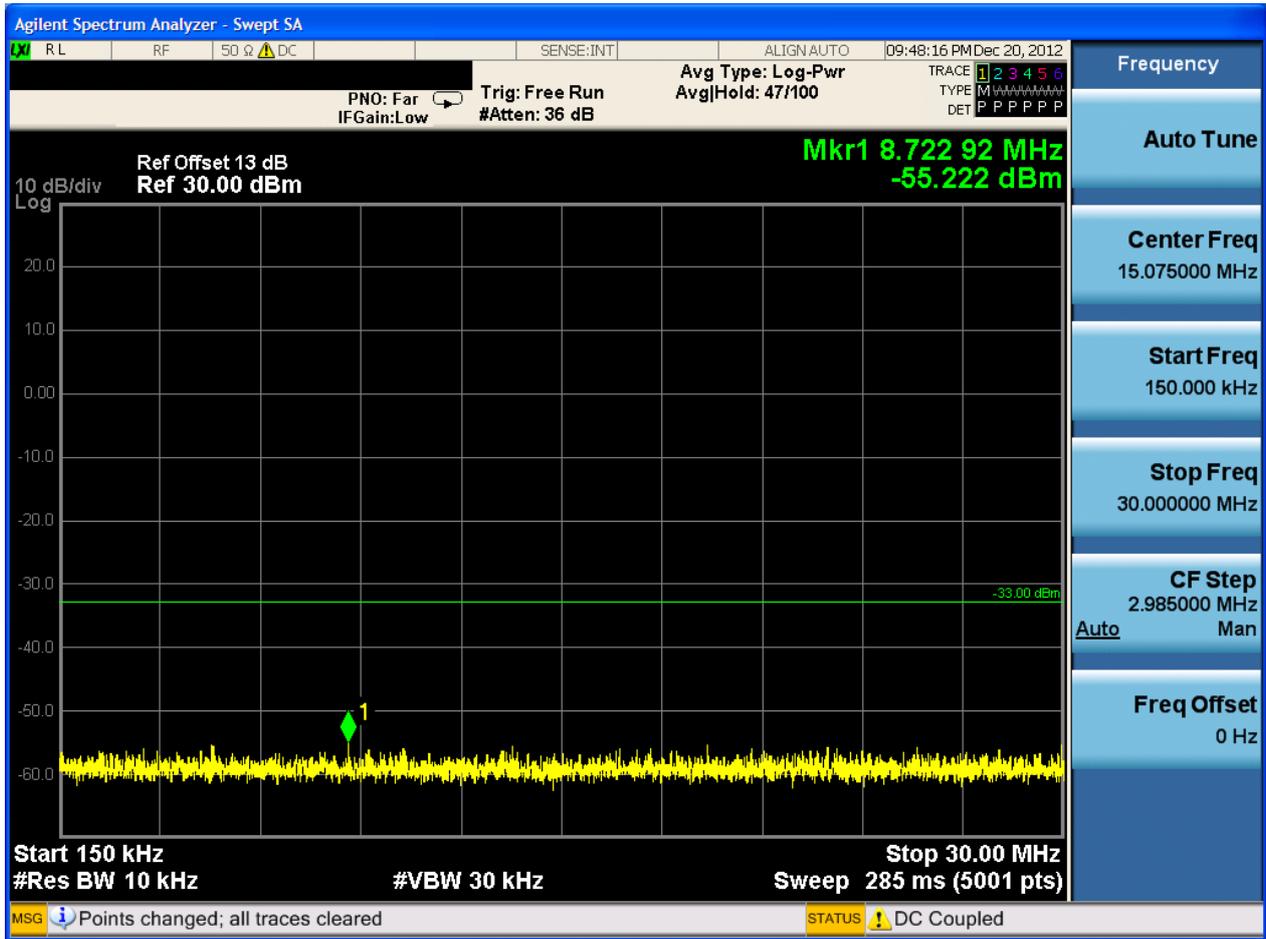


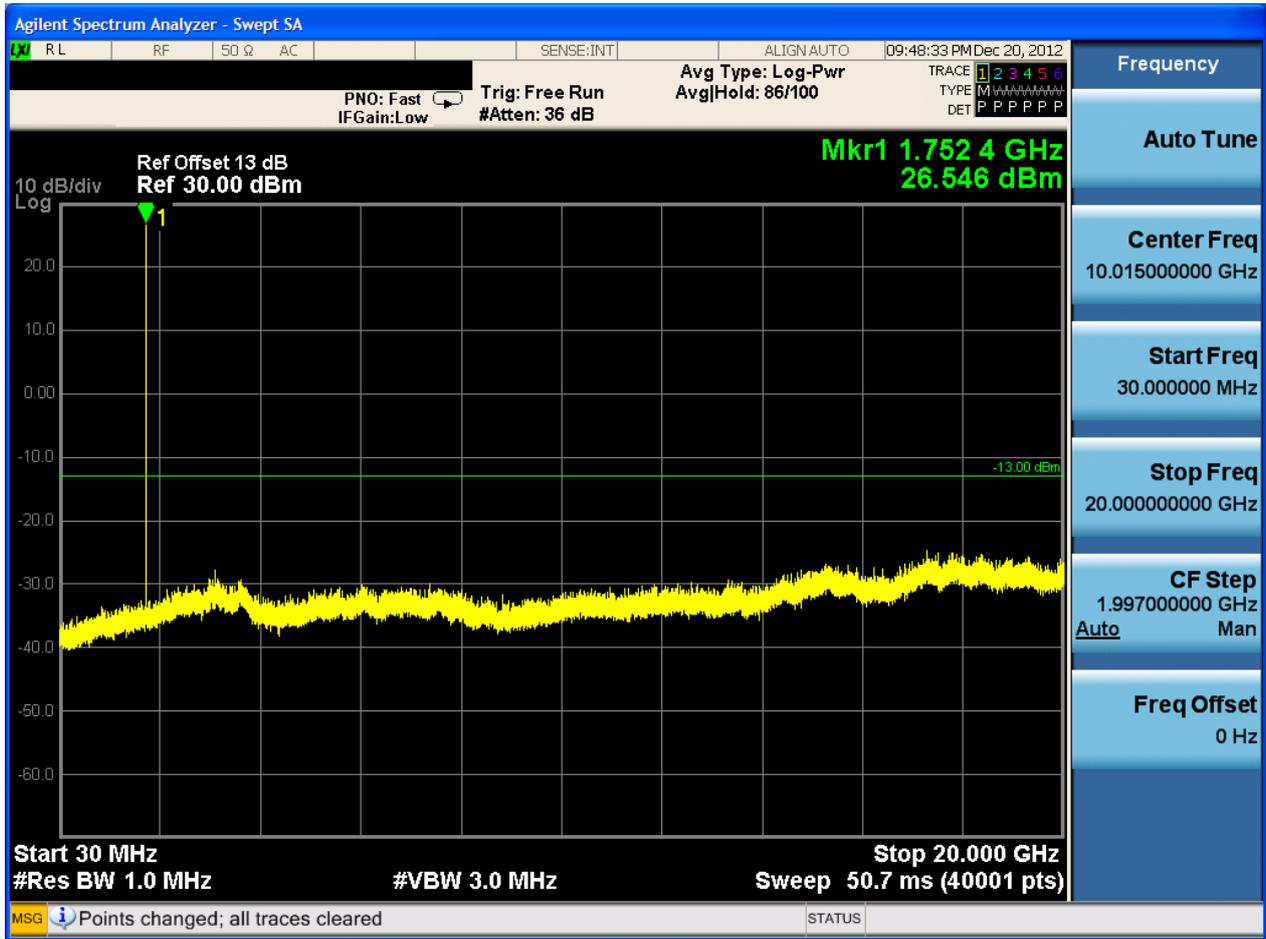


#### 4.1.1.2.2.3 Test Channel = MCH

#### 4.1.1.2.2.2.1 Test RB = RB1#0





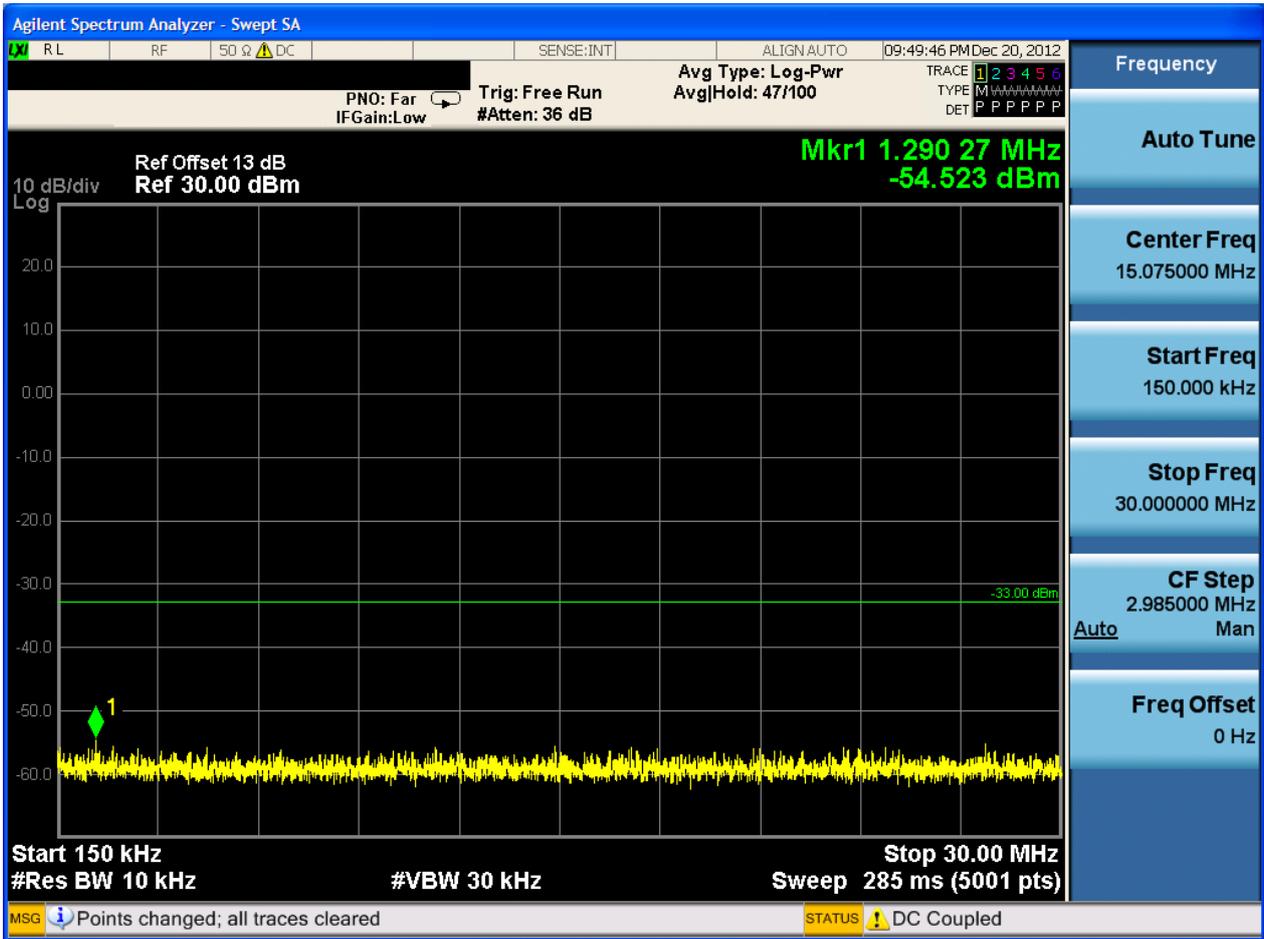


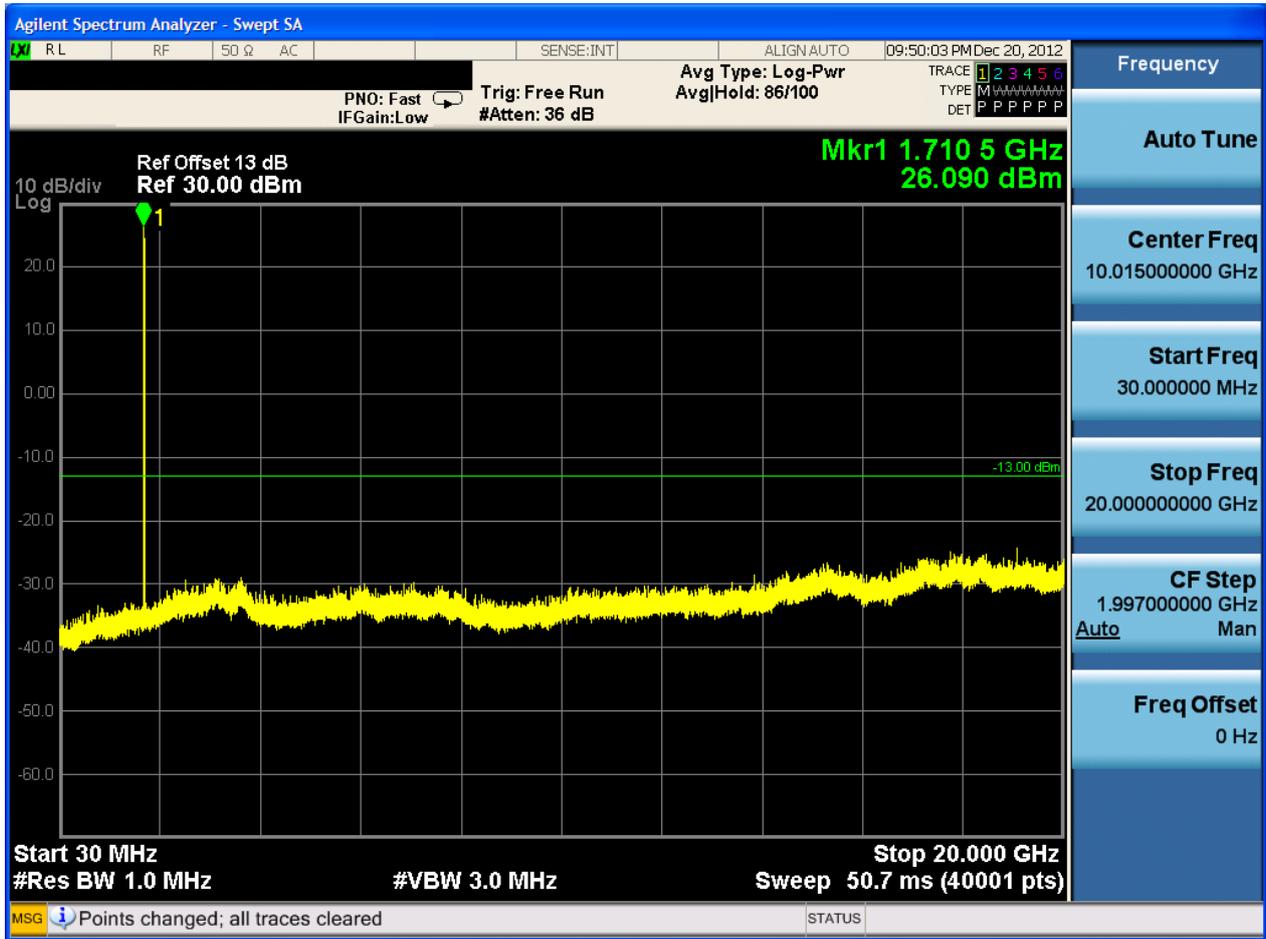
4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB1#0



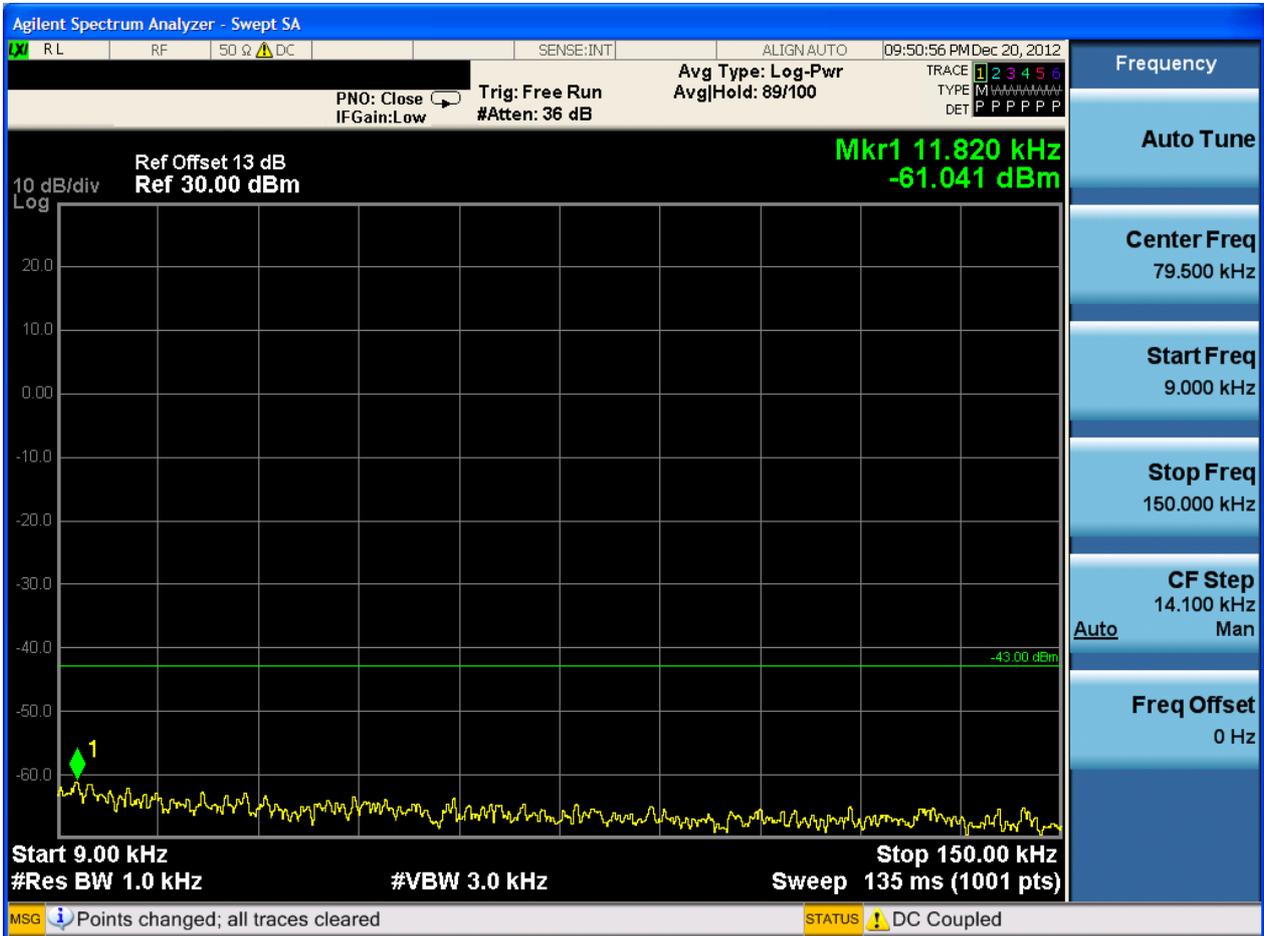


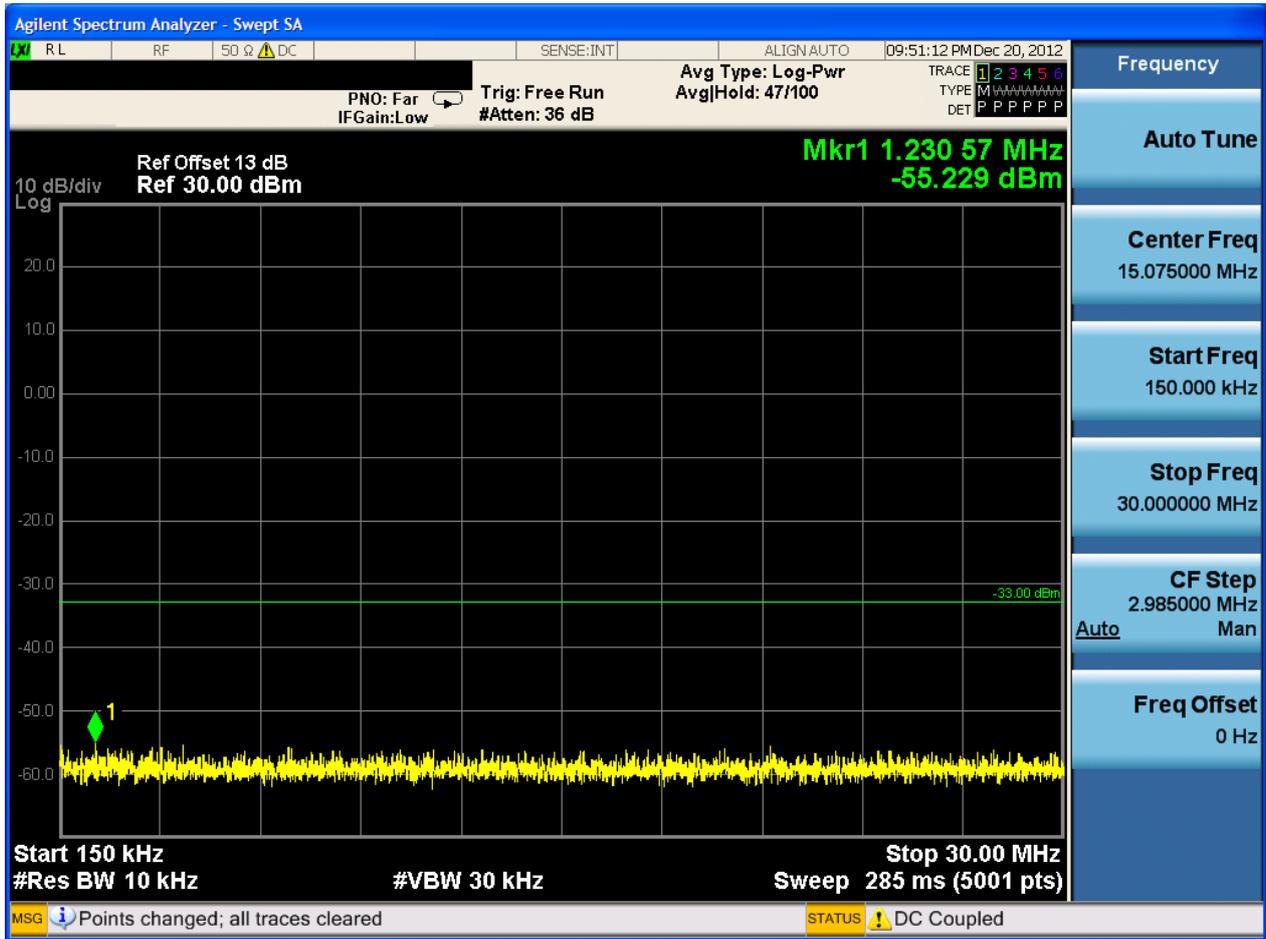


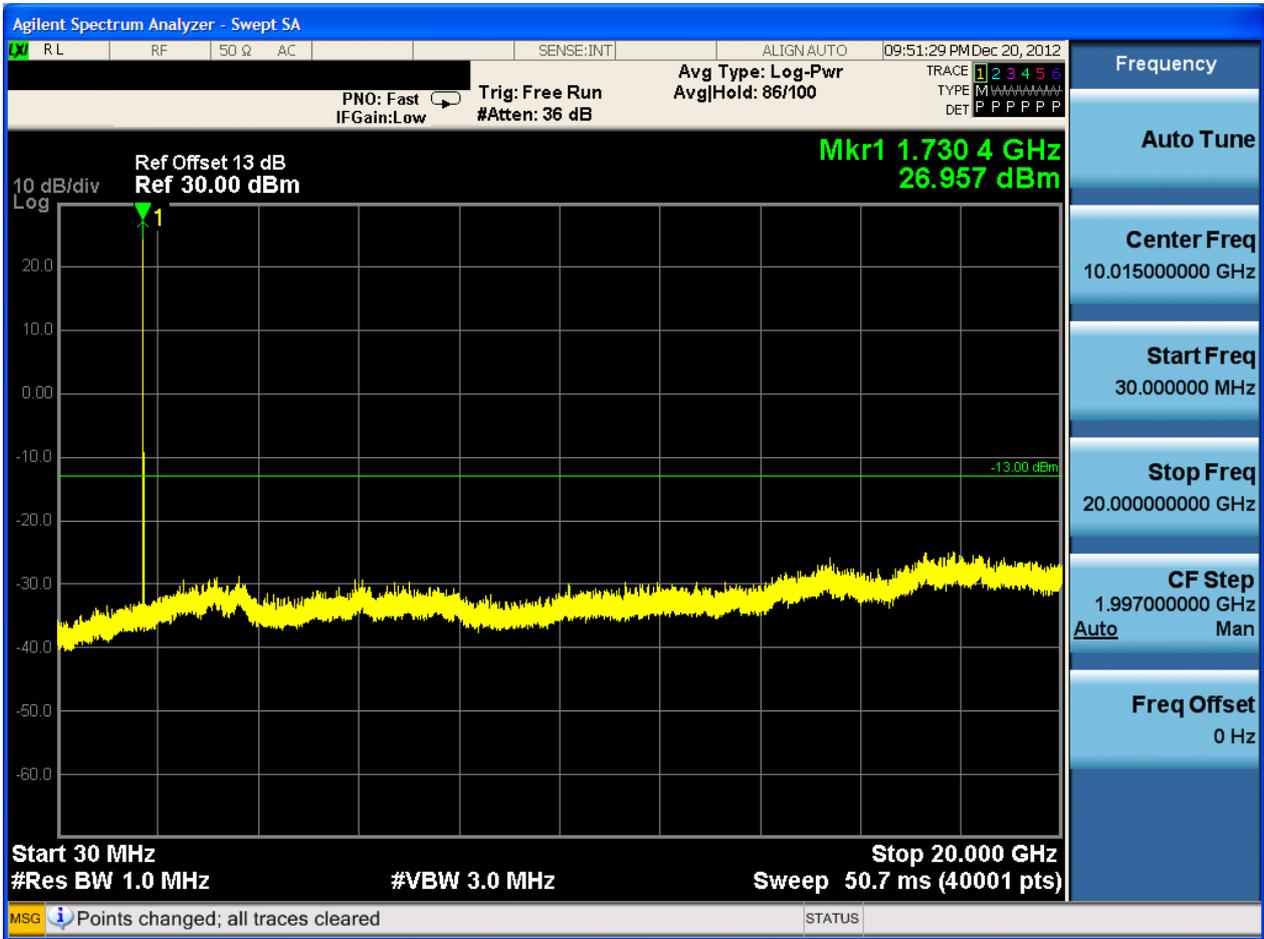


### 4.1.1.2.3.2 Test Channel = HCH

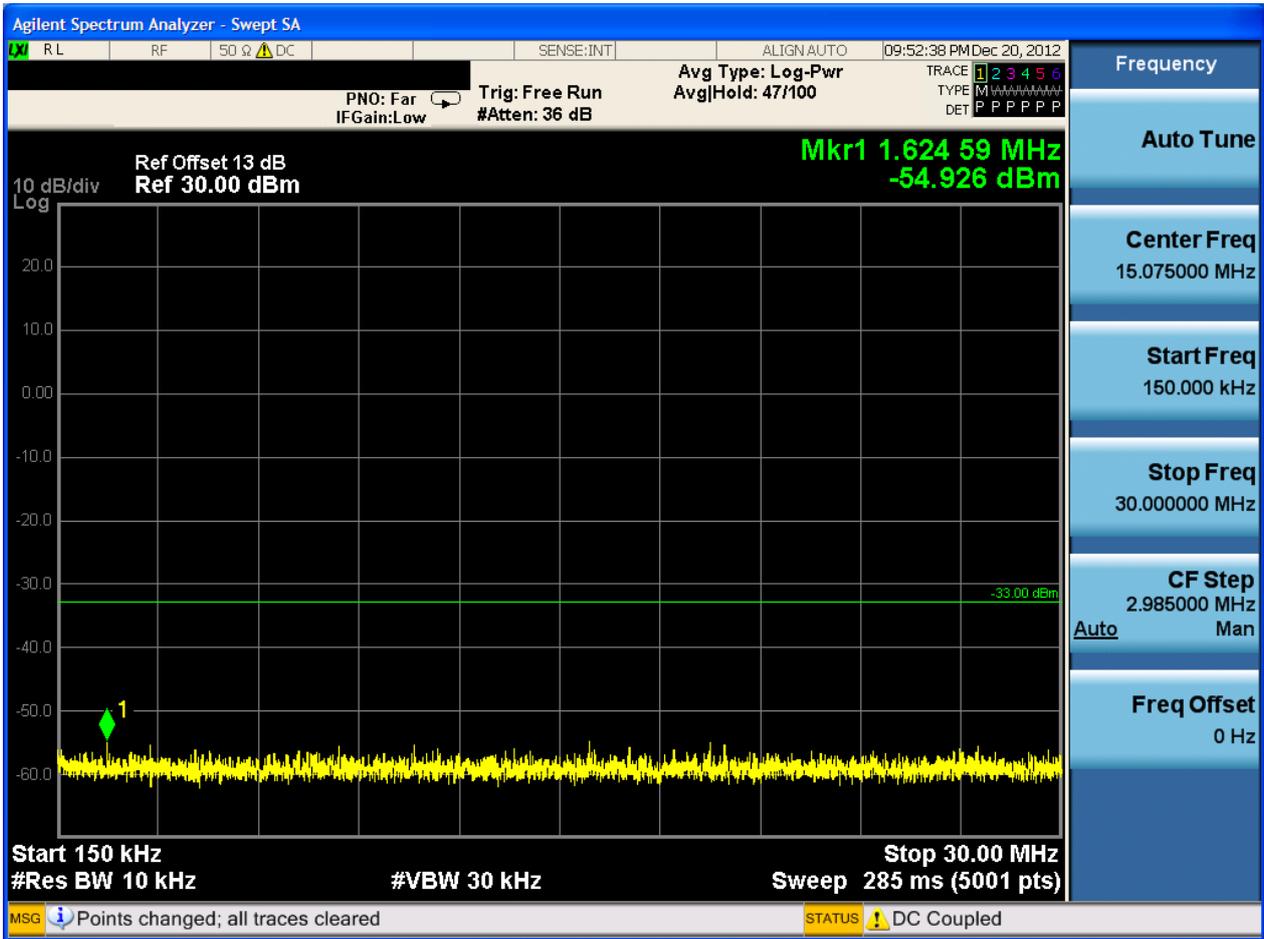
#### 4.1.1.2.3.2.1 Test RB = RB1#0

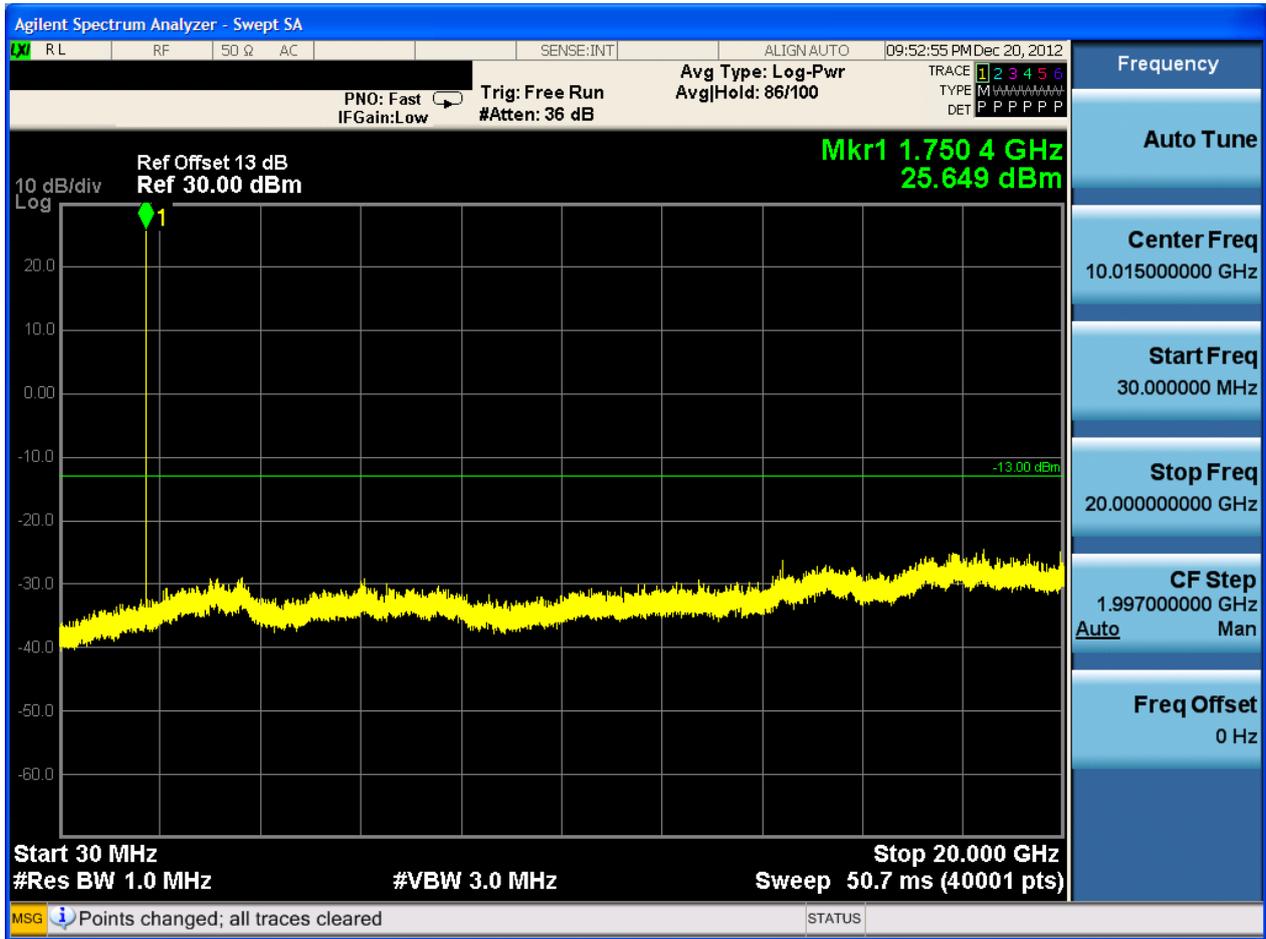










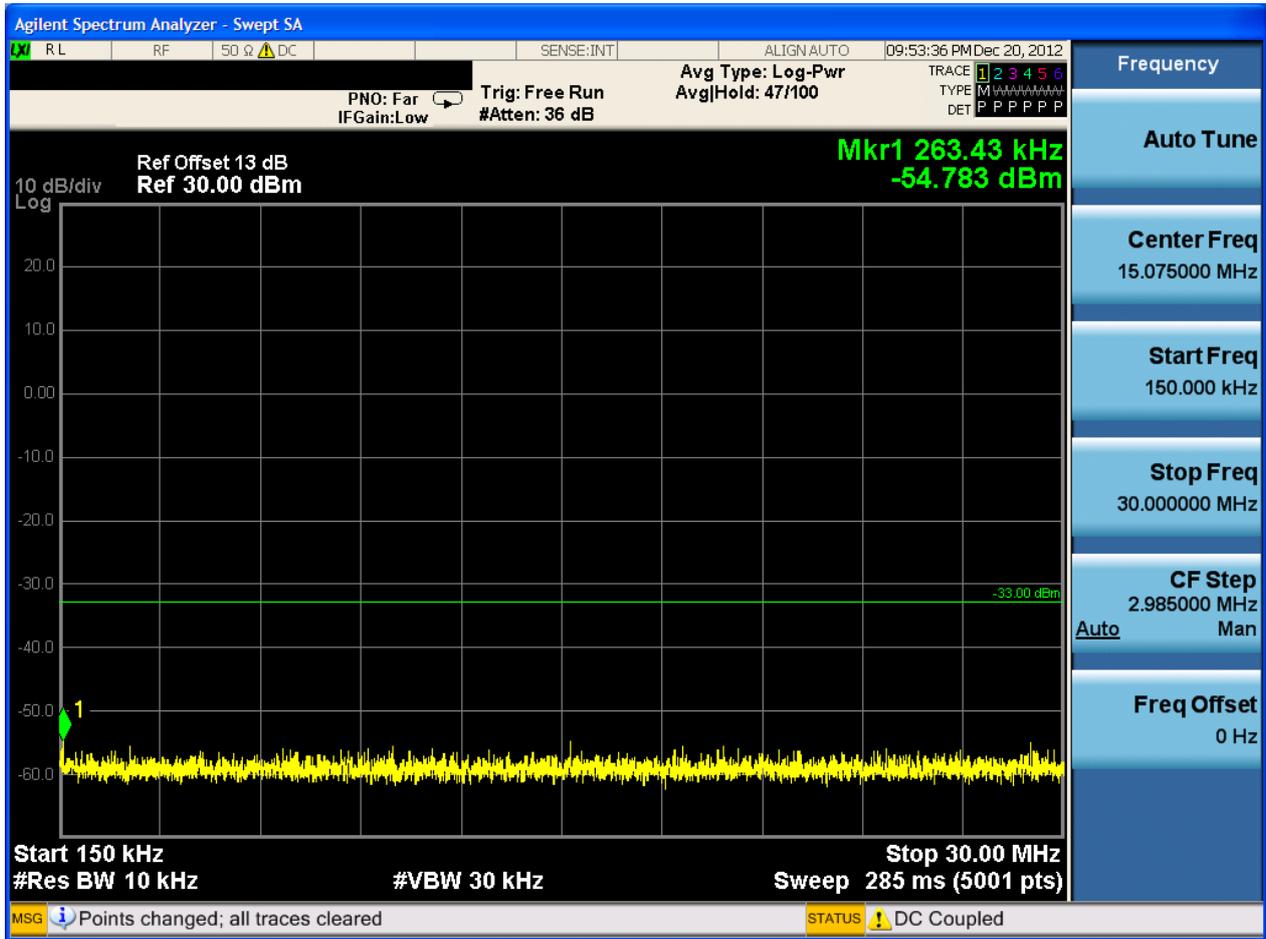


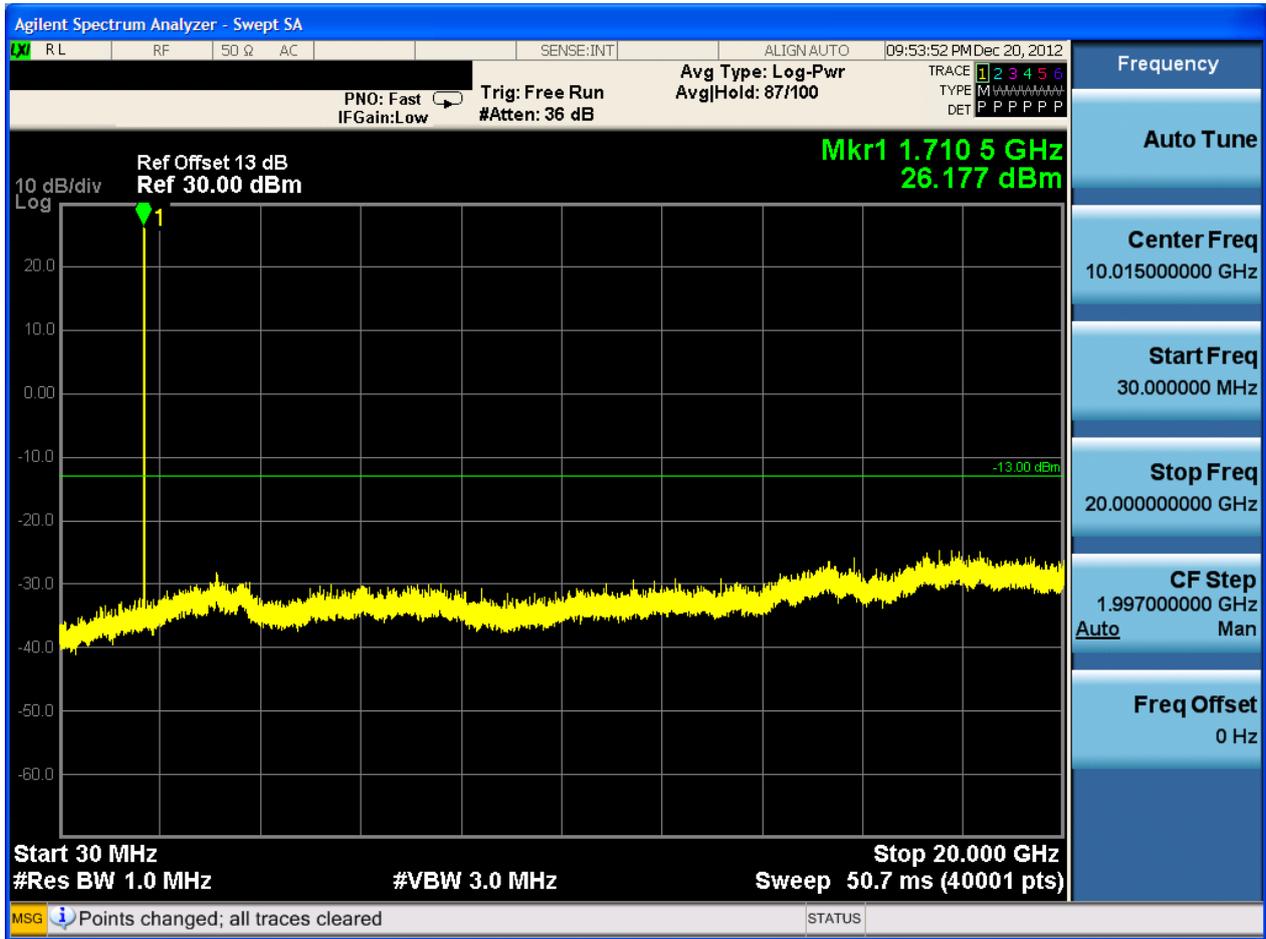
4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB1#0



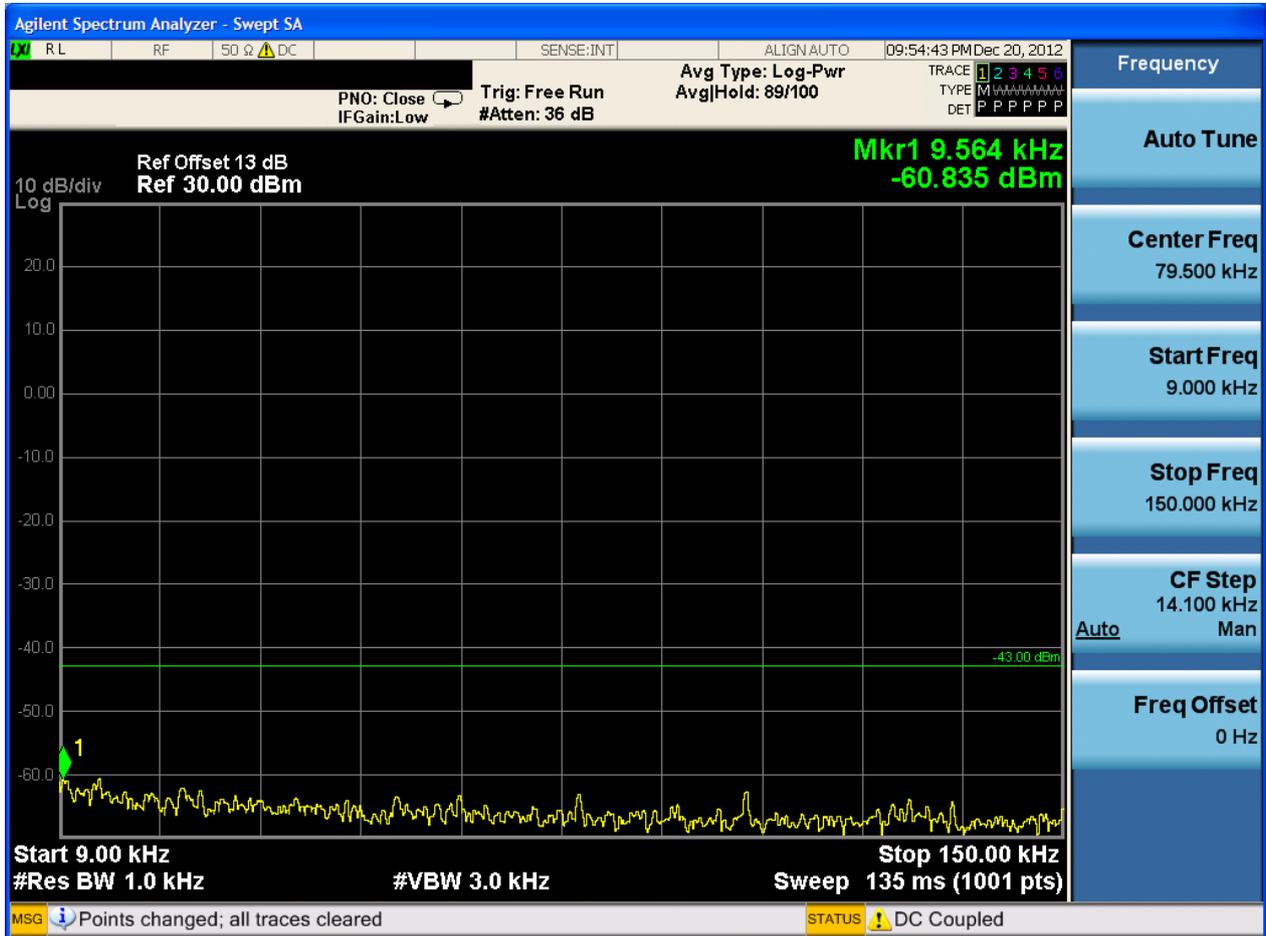




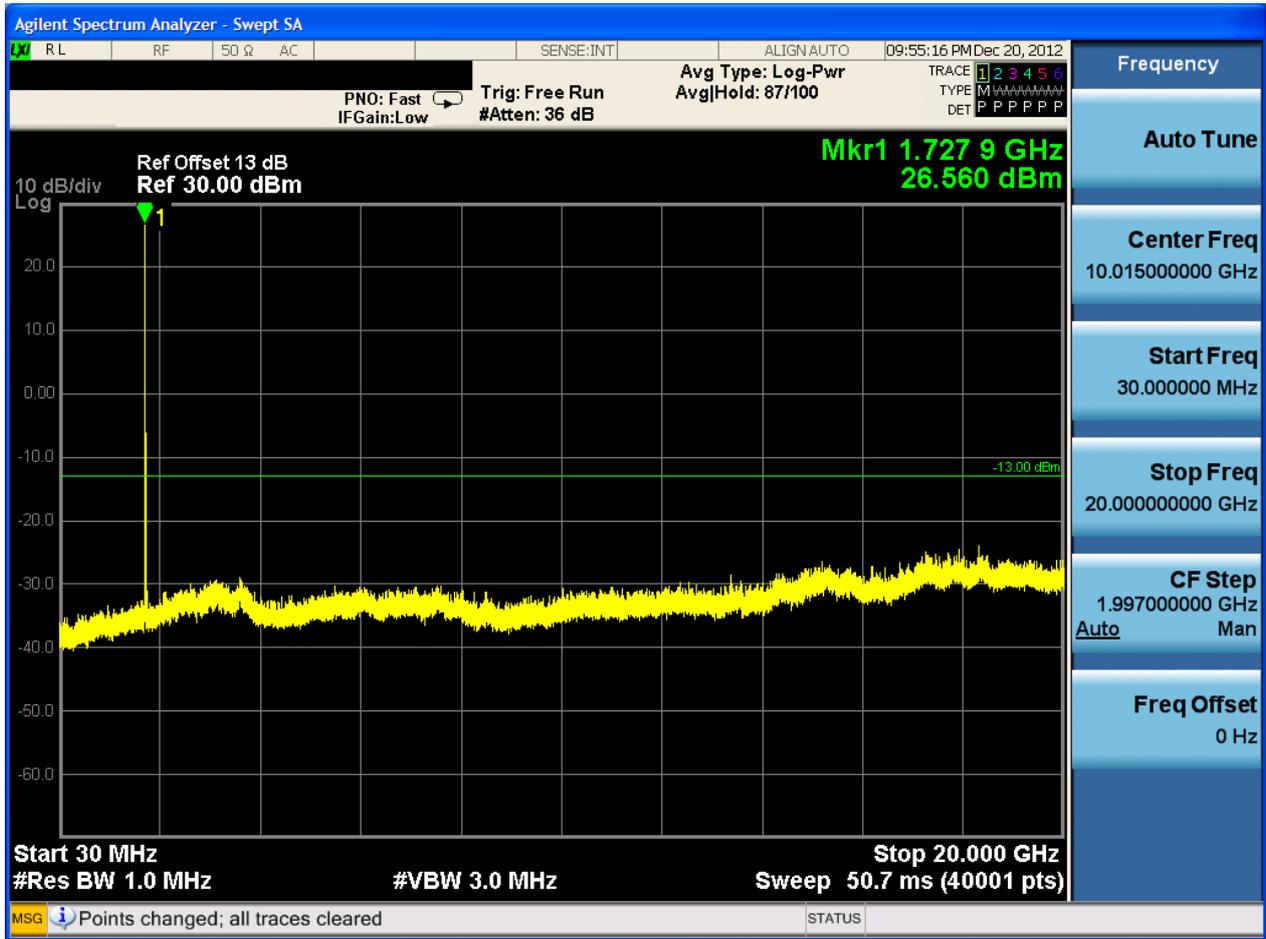


#### 4.1.1.2.4.2 Test Channel = HCH

##### 4.1.1.2.4.2.1 Test RB = RB1#0



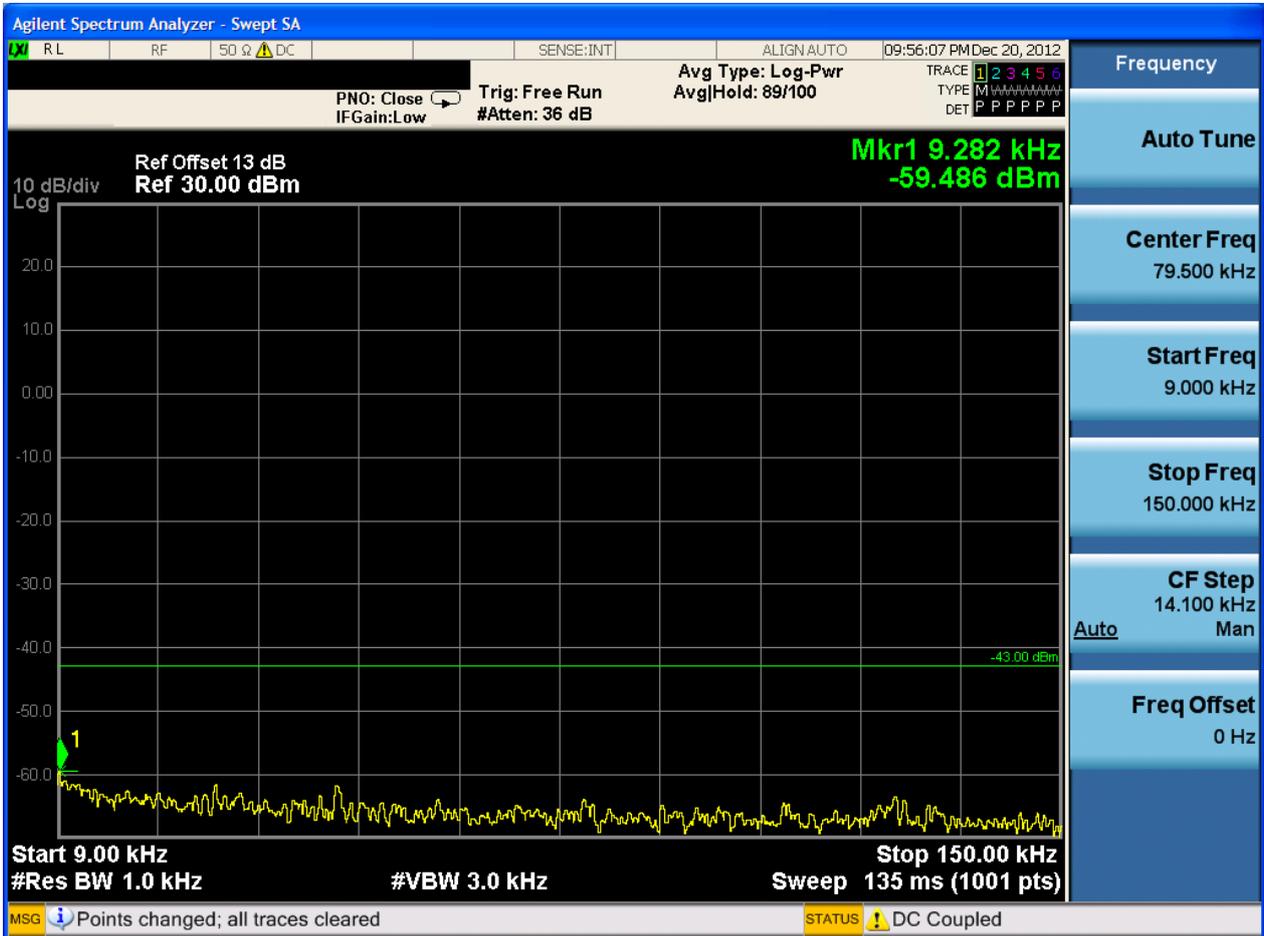


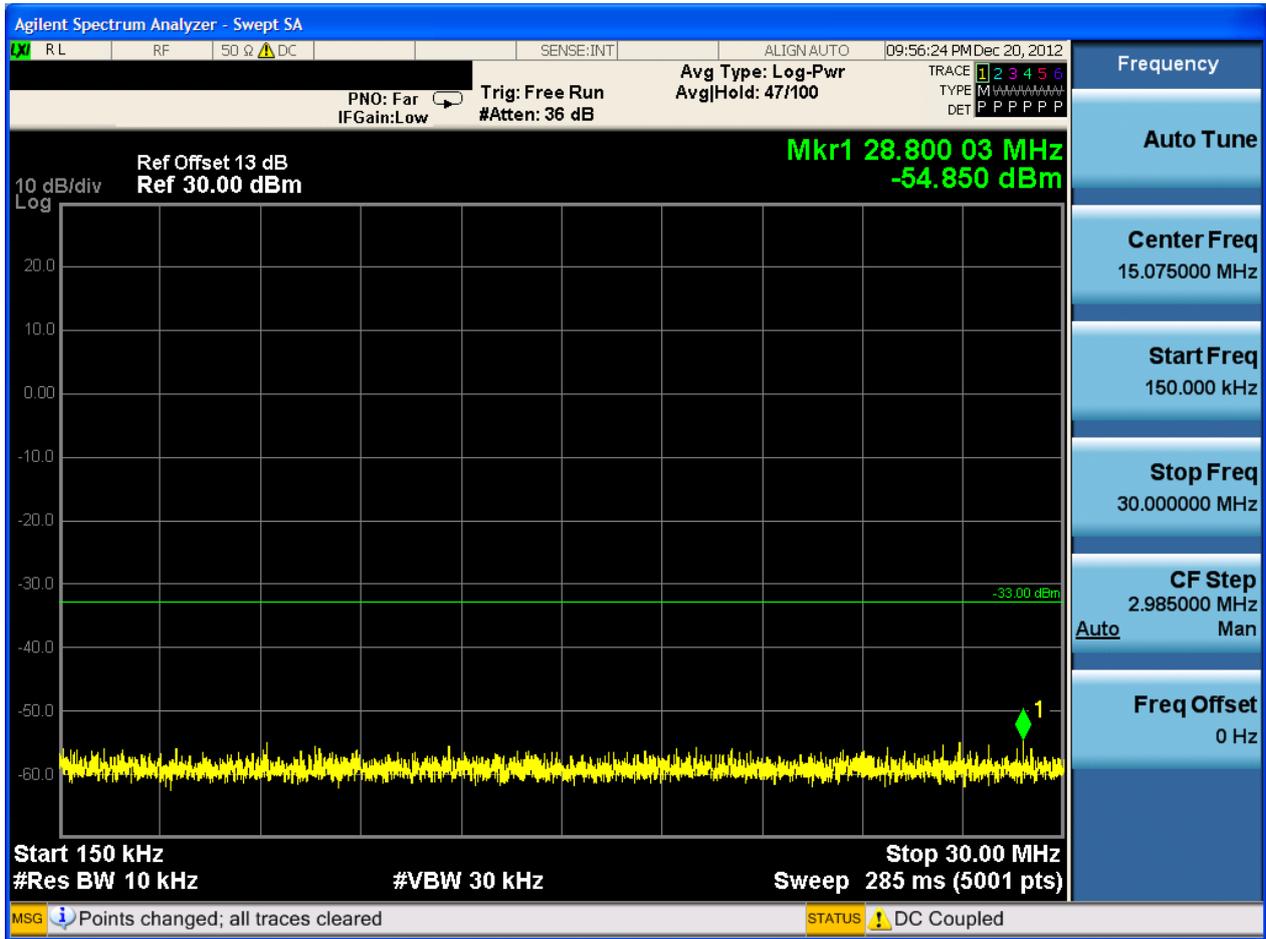


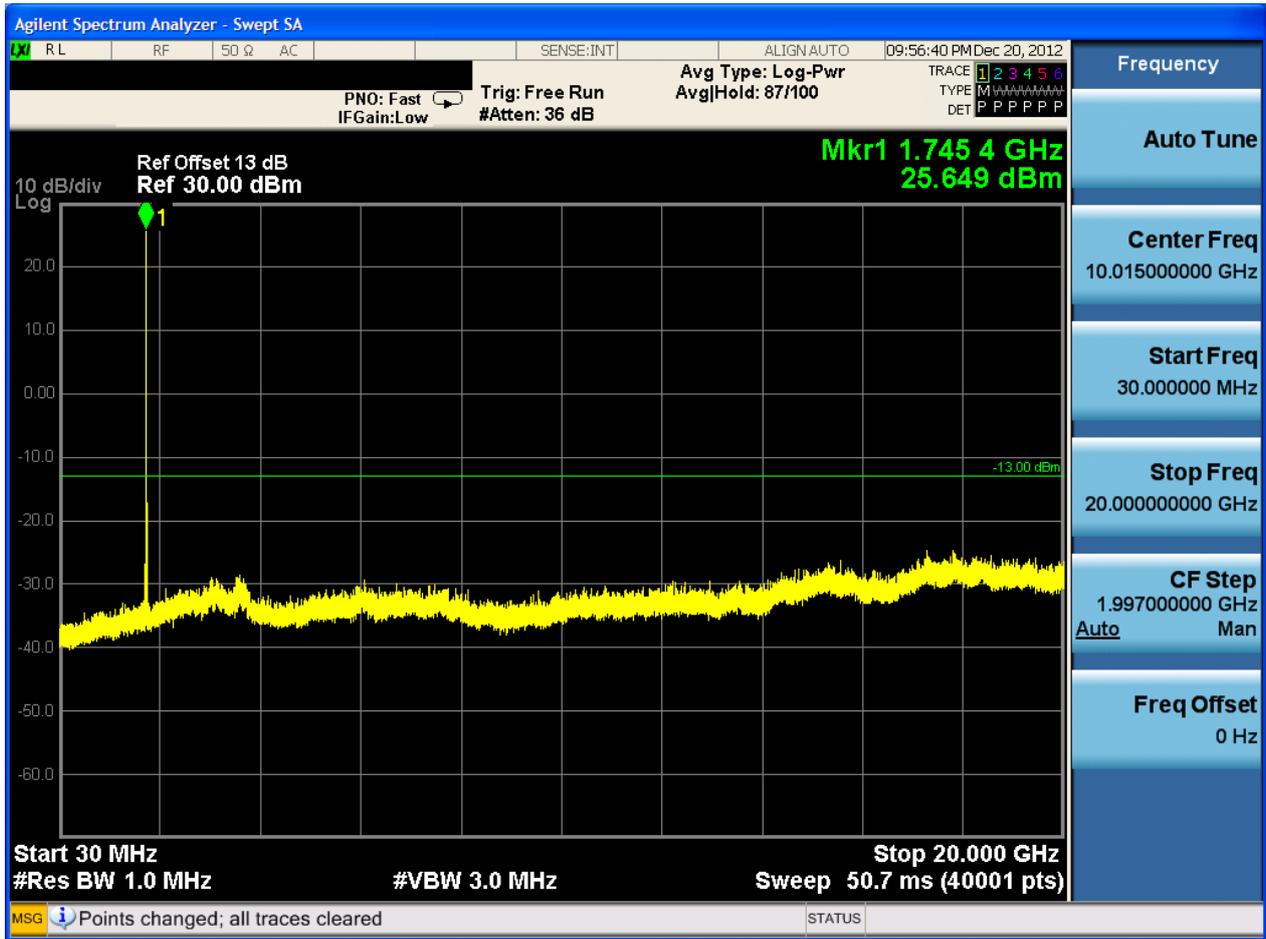


#### 4.1.1.2.4.3 Test Channel = MCH

#### 4.1.1.2.4.2.1 Test RB = RB1#0







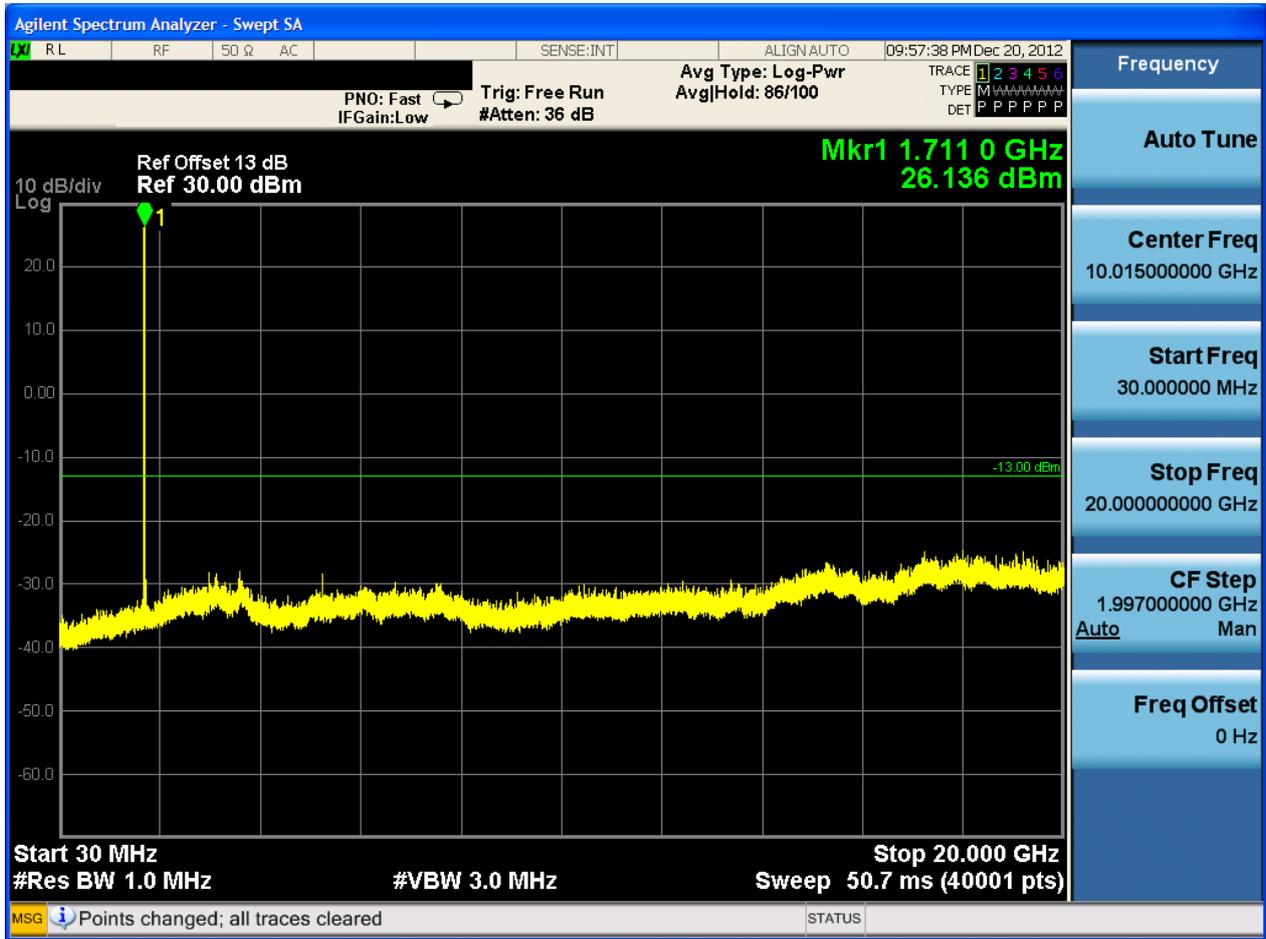
4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.4.1 Test Channel = LCH

4.1.1.2.4.1.1 Test RB = RB1#0



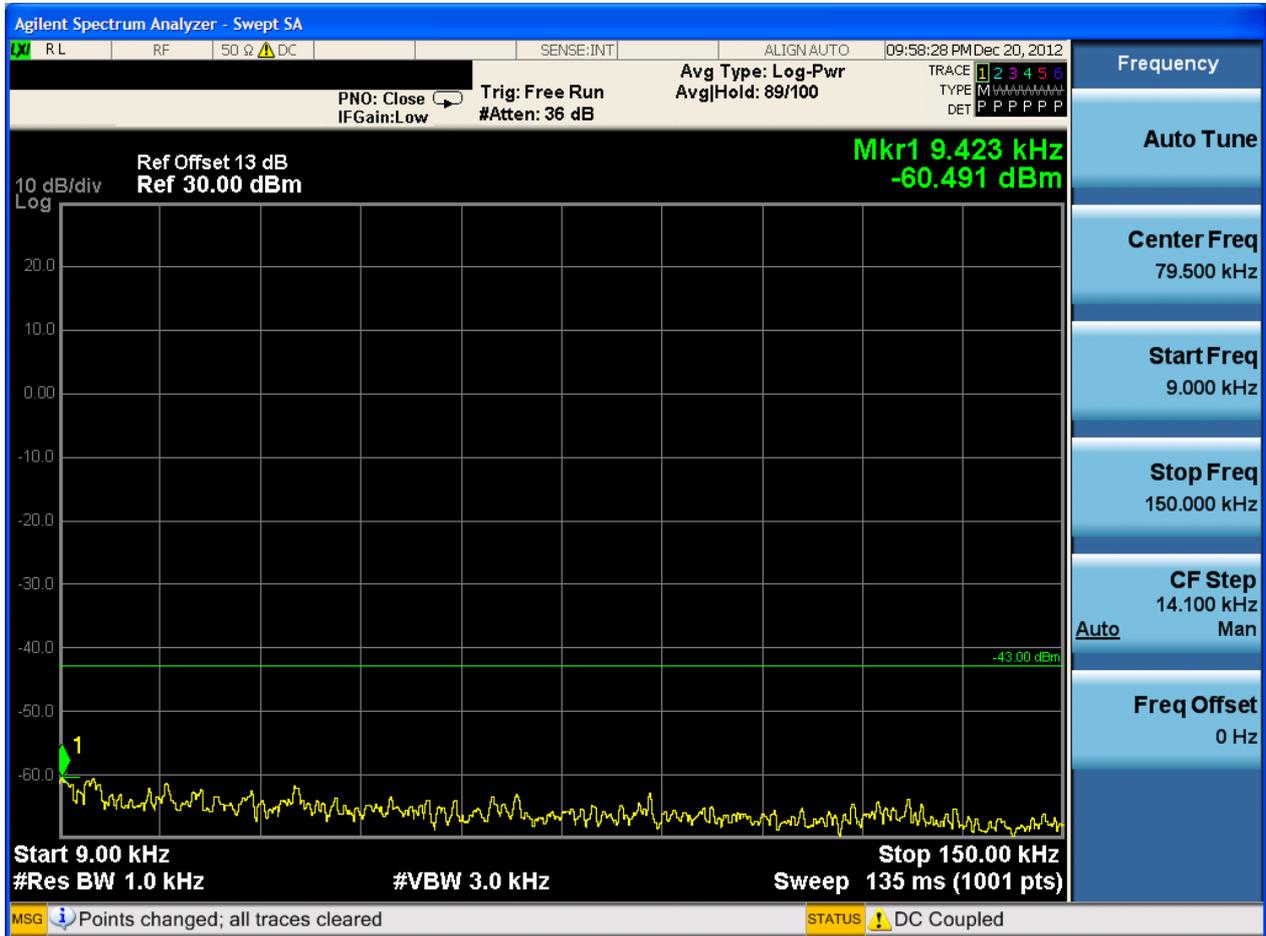


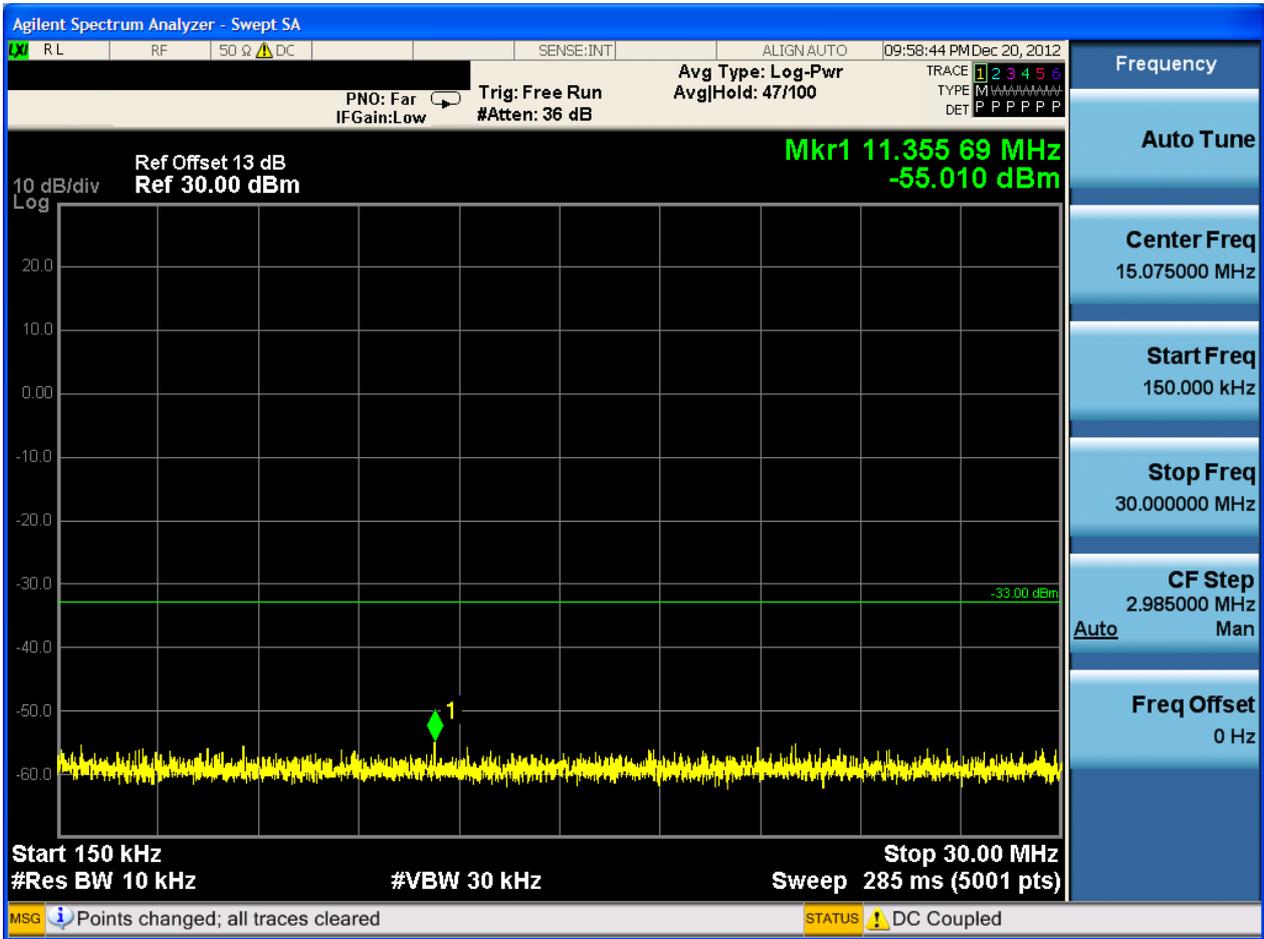


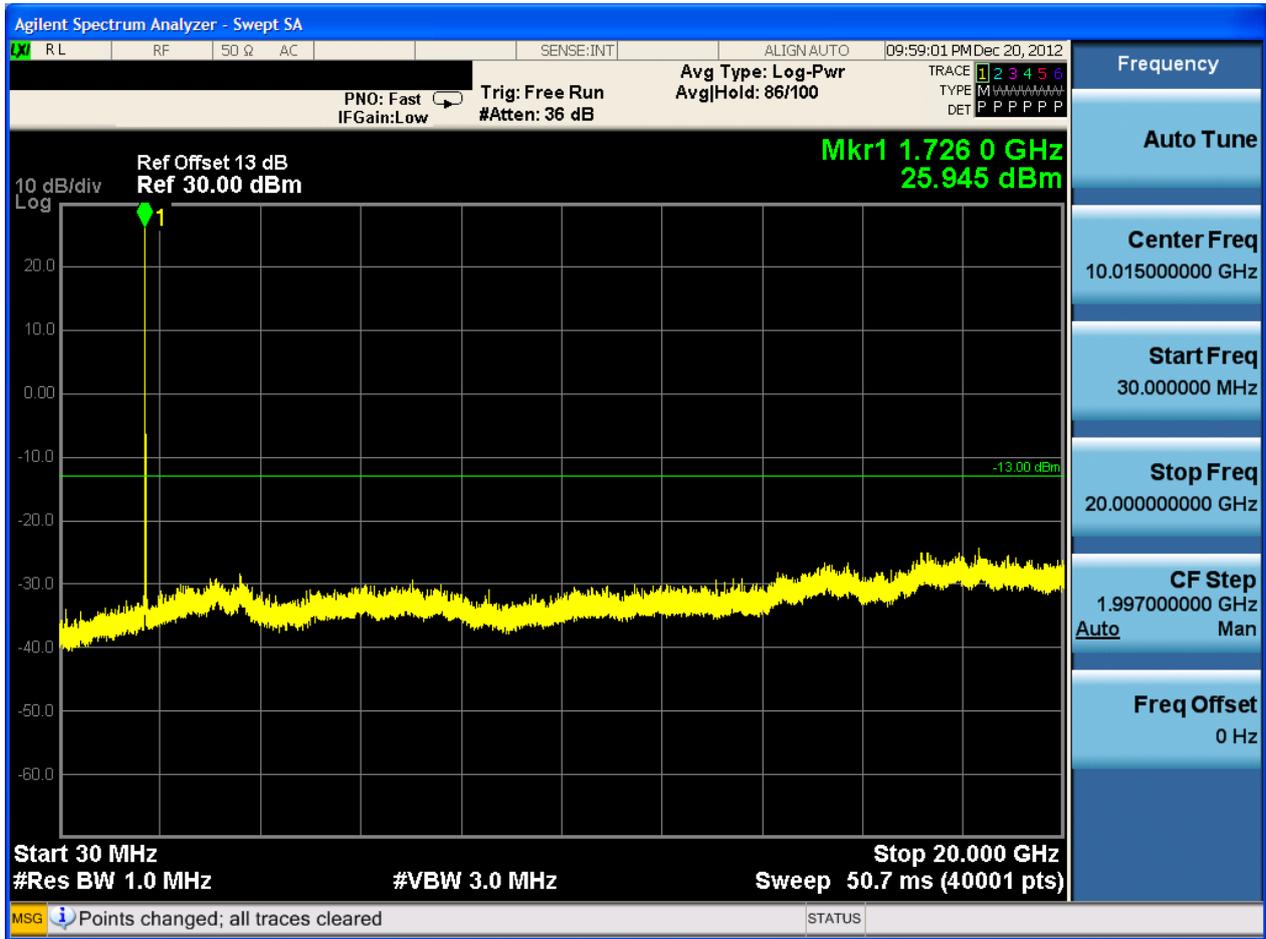


#### 4.1.1.2.5.2 Test Channel = HCH

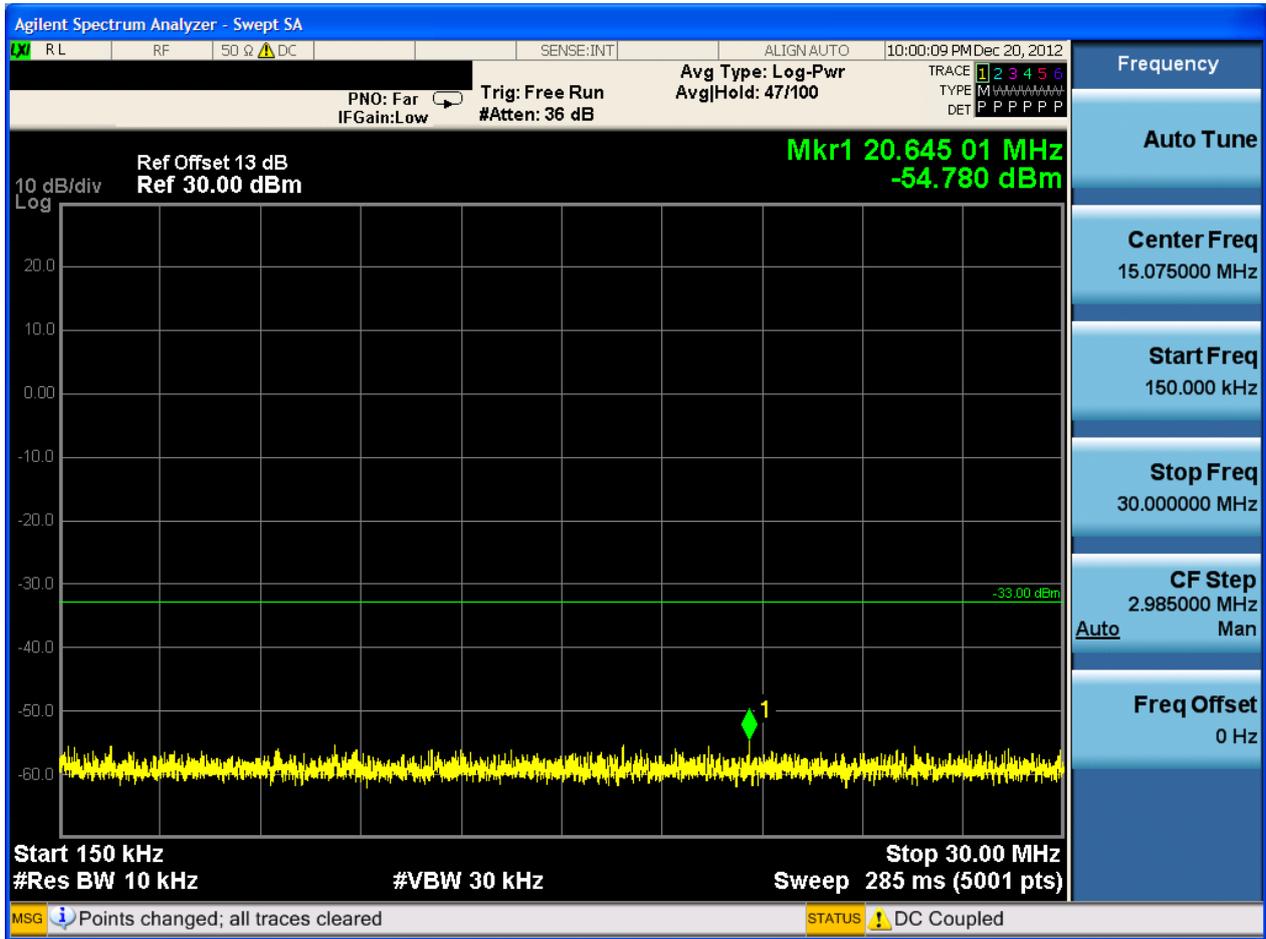
##### 4.1.1.2.5.2.1 Test RB = RB1#0

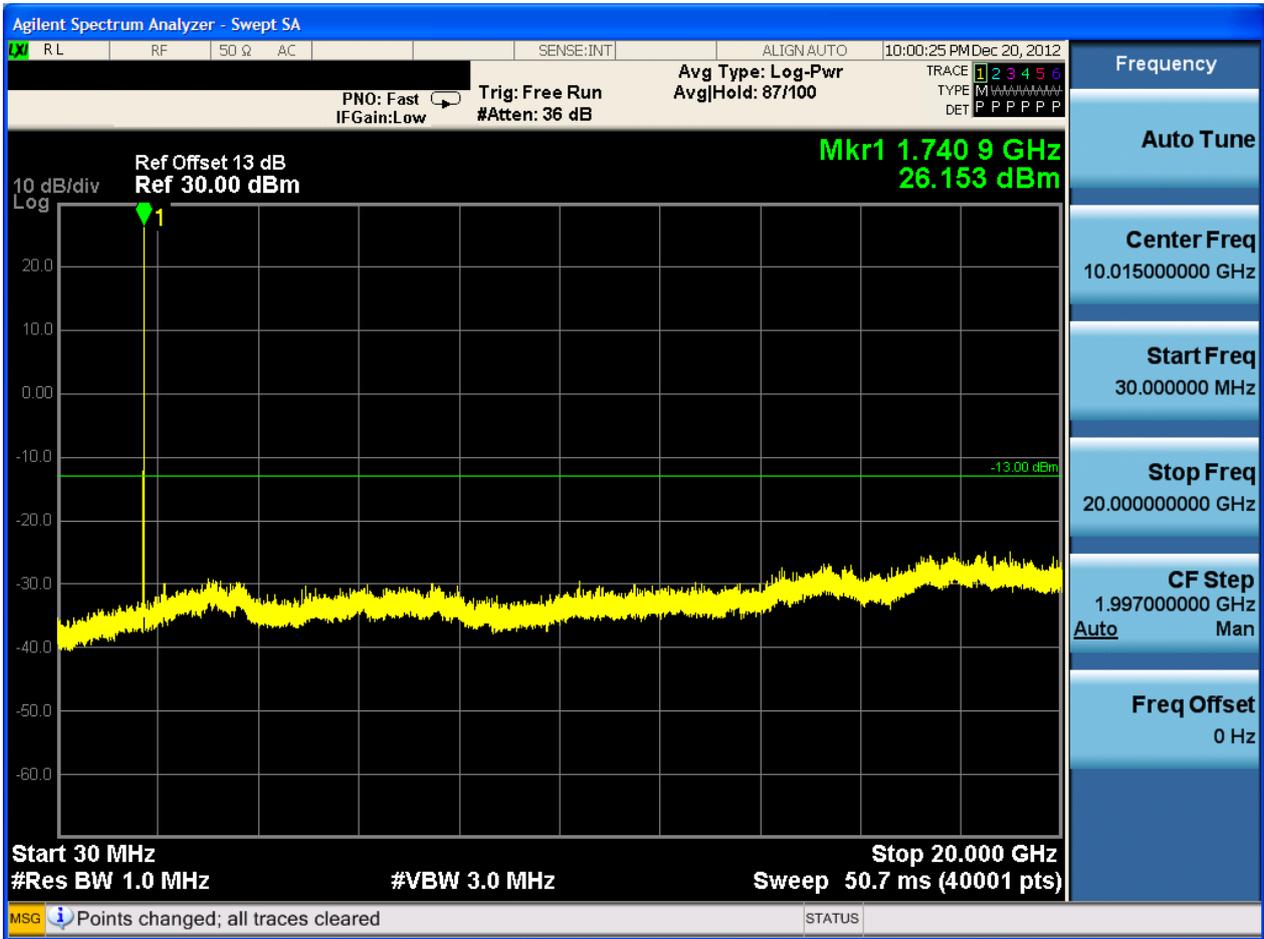










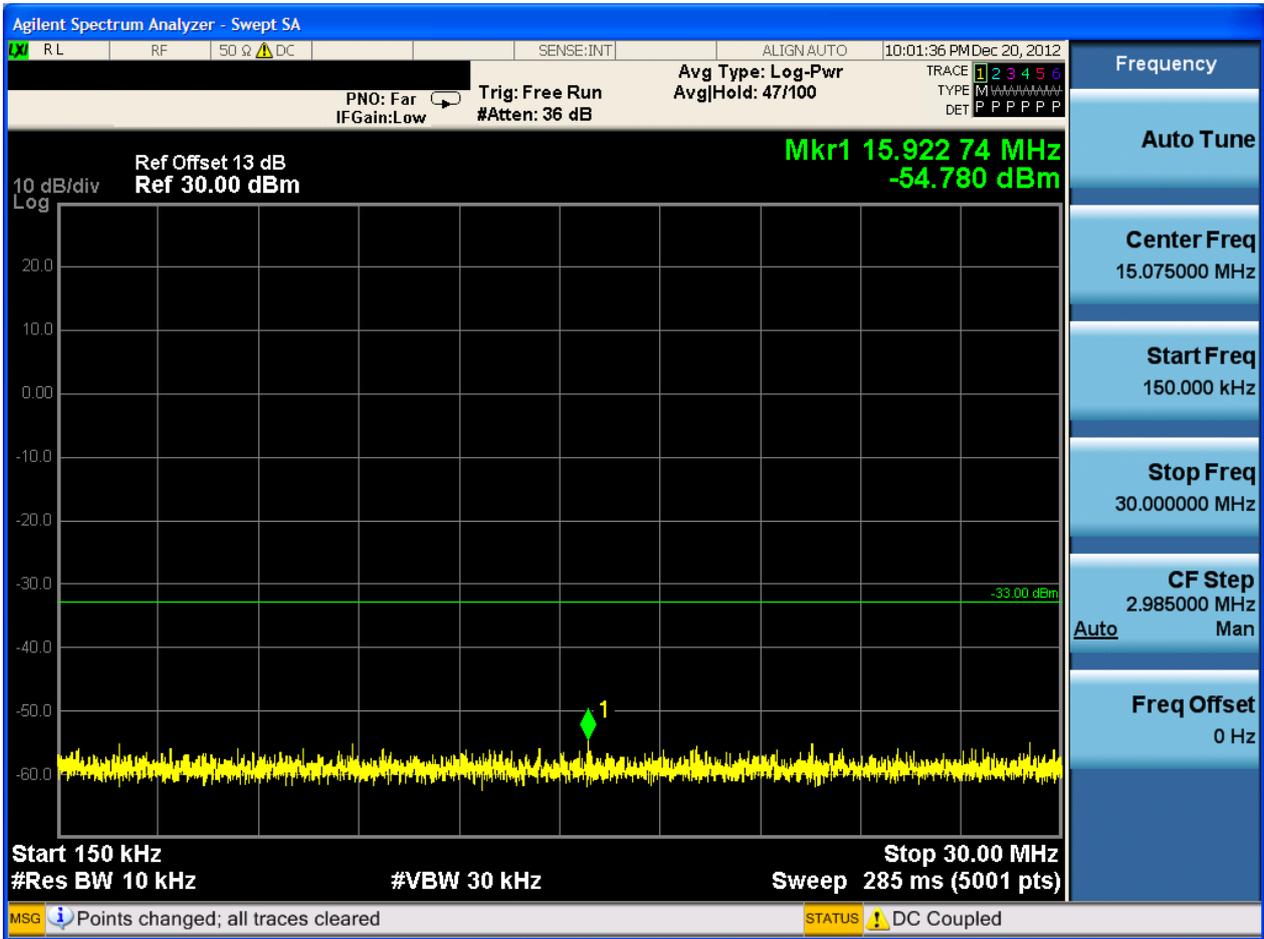


4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB1#0







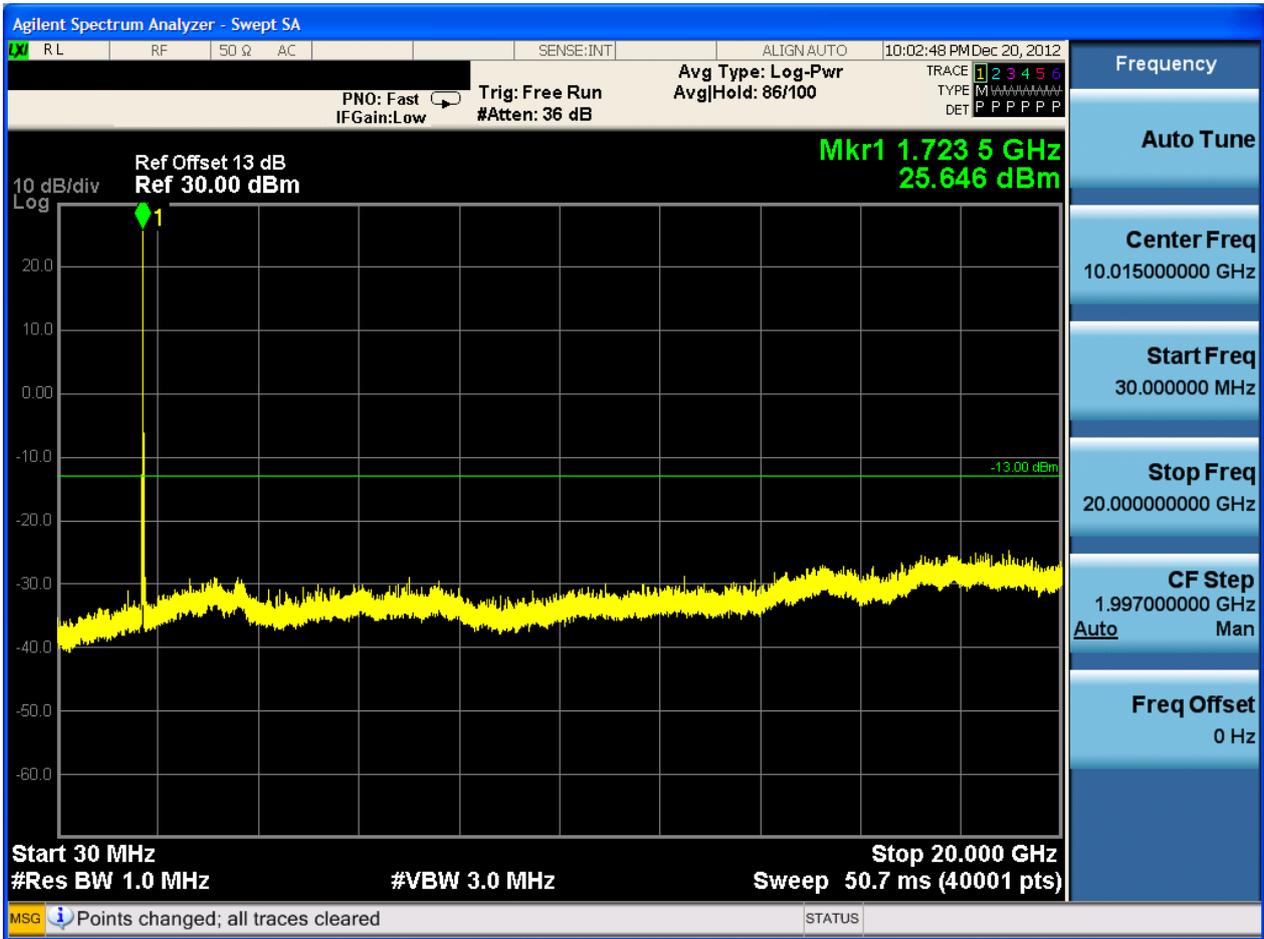


#### 4.1.1.2.6.2 Test Channel = HCH

#### 4.1.1.2.6.2.1 Test RB = RB1#0



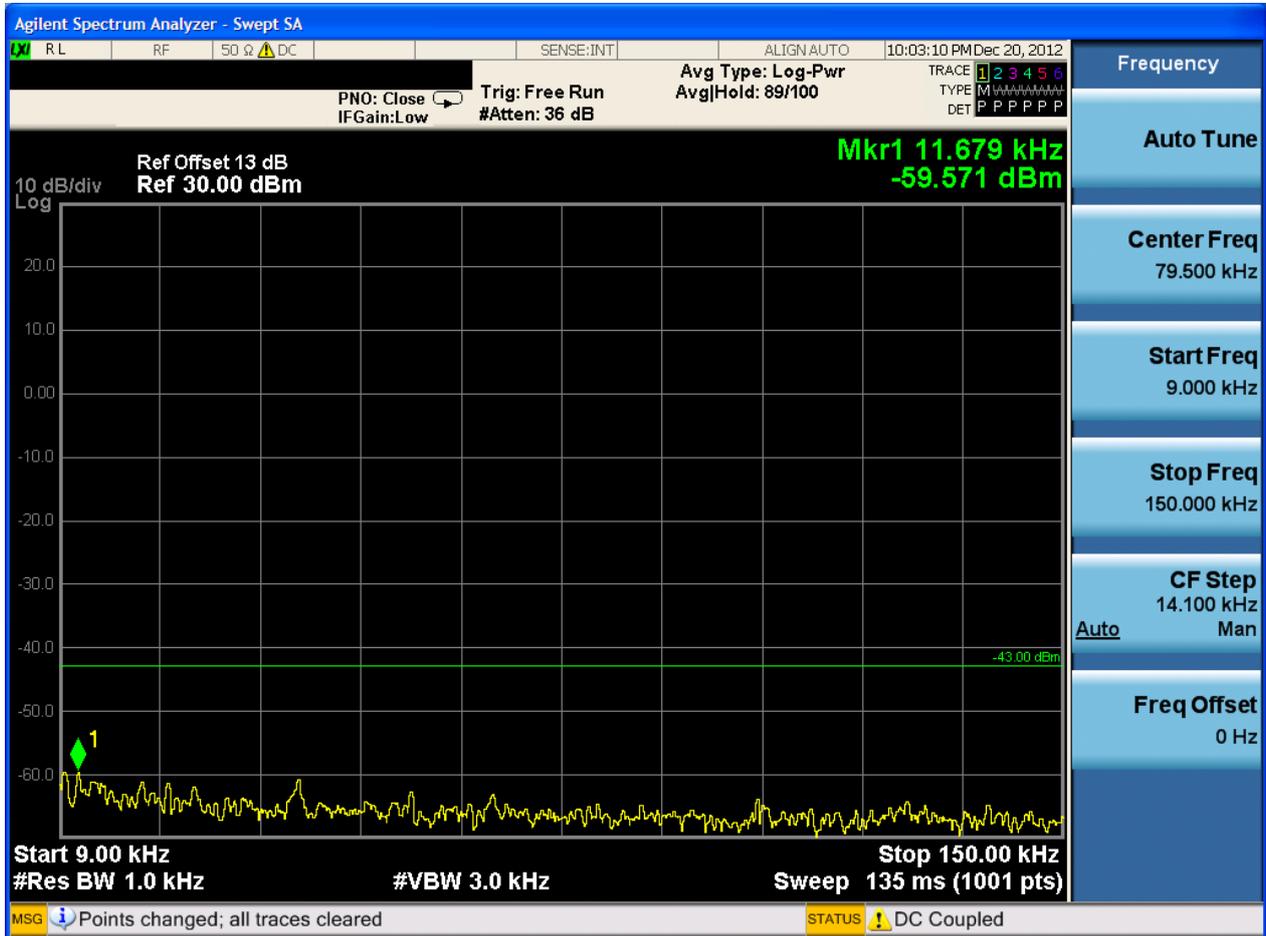


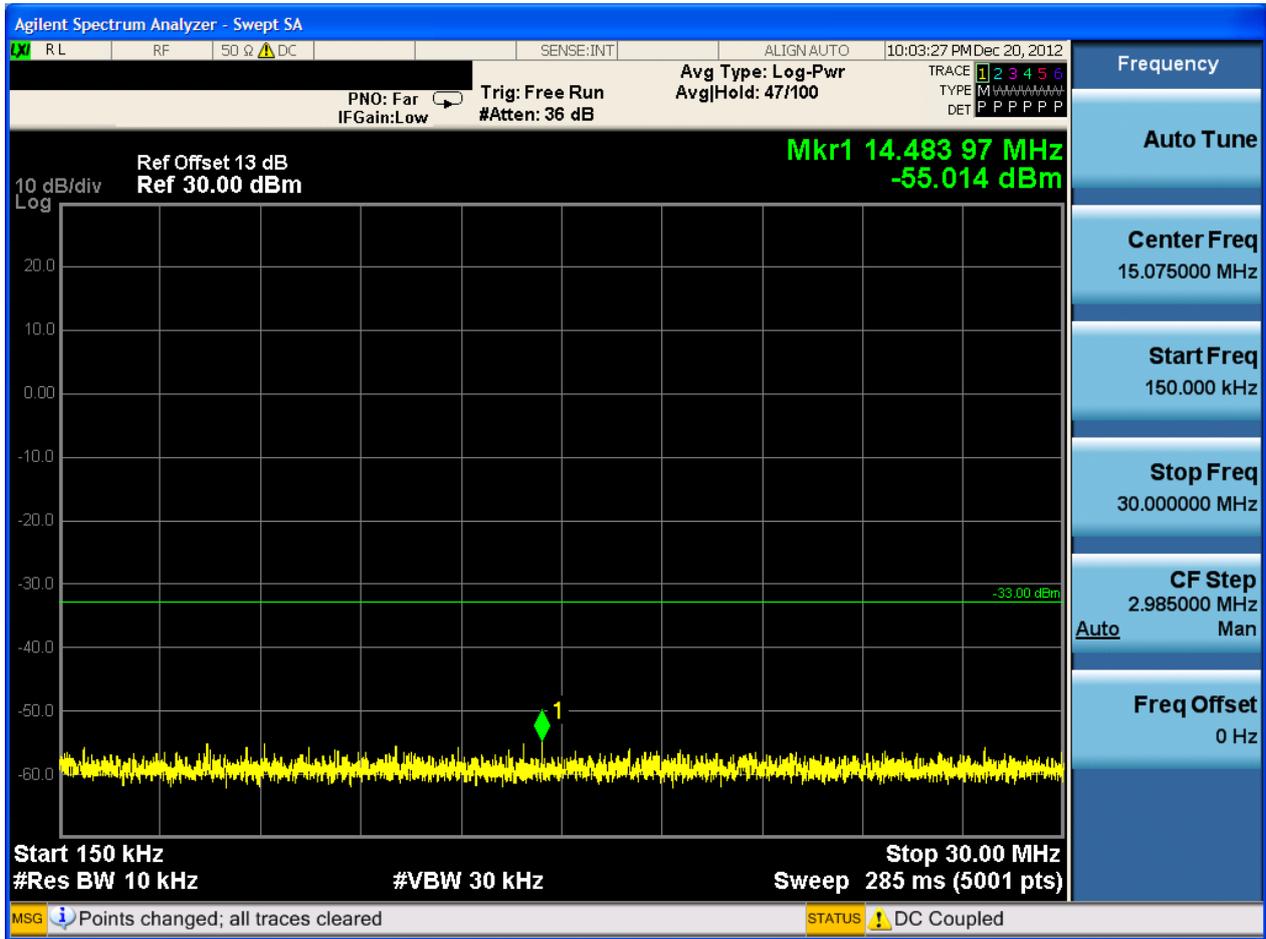


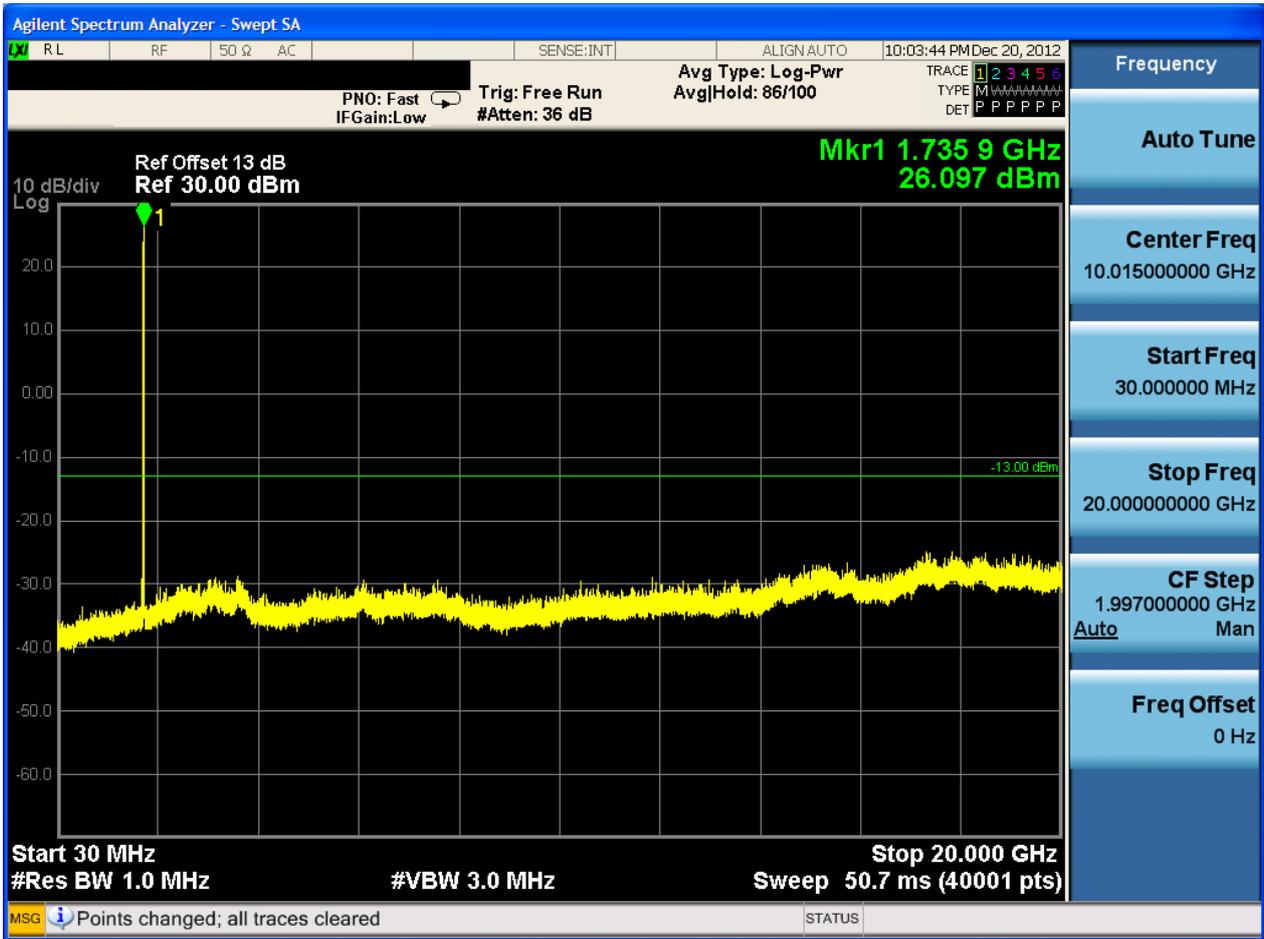


### 4.1.1.2.6.3 Test Channel = MCH

#### 4.1.1.2.6.2.1 Test RB = RB1#0







## 5Appendix\_E: Radiated spurious emission

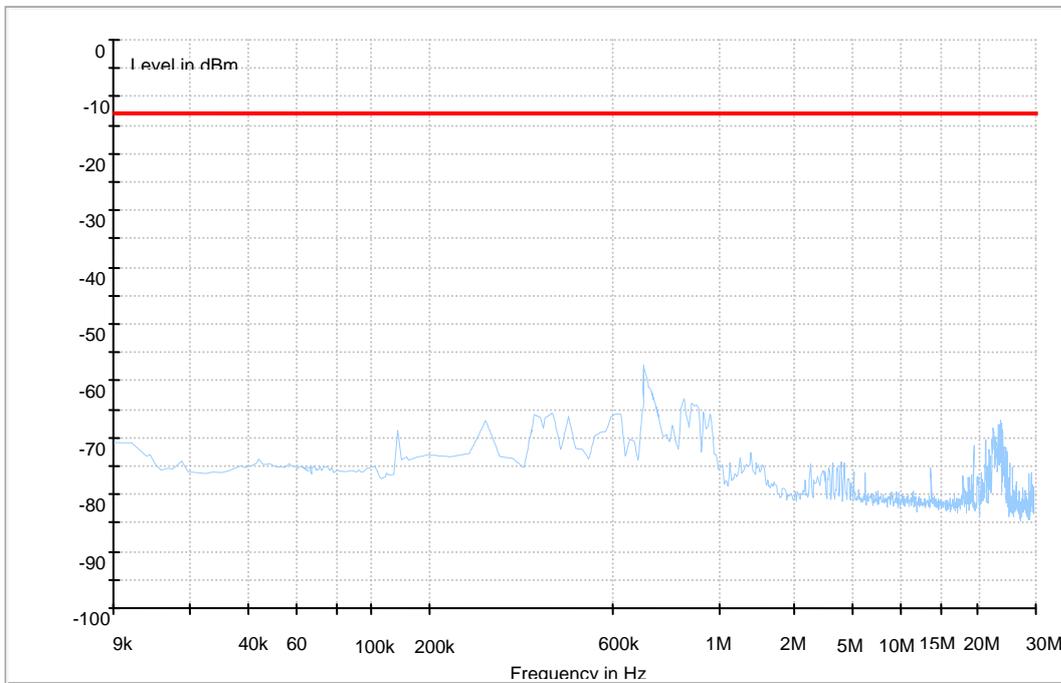
### 5.1For LTE

#### 5.1.1Test Band=BAND4

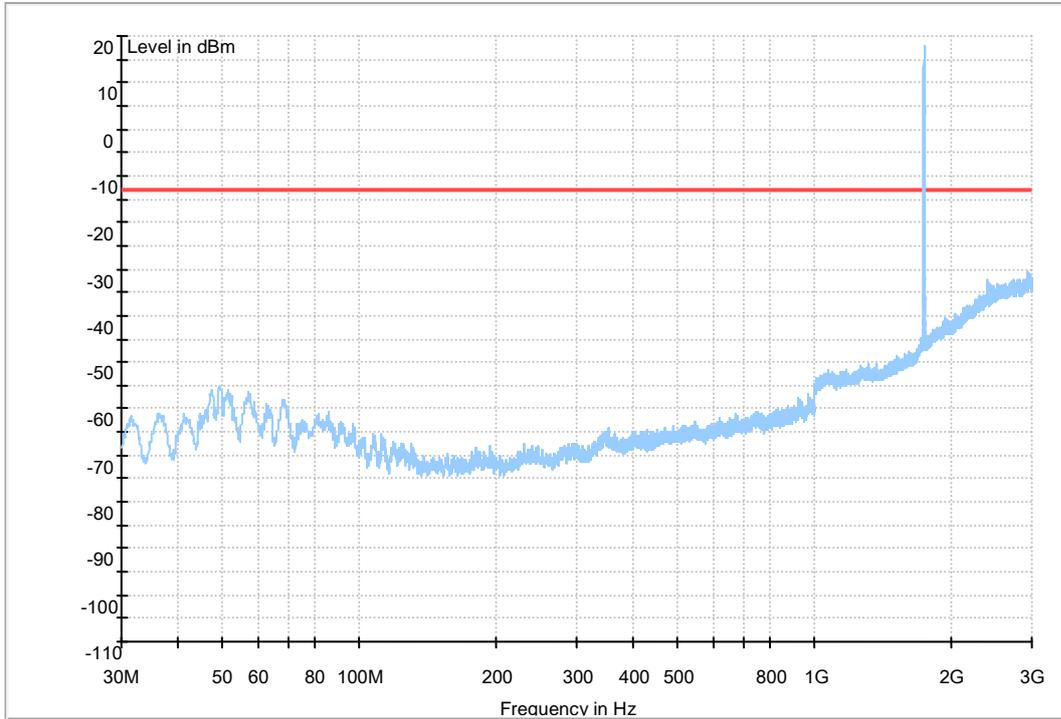
##### 5.1.1.1Test mode=LTE/TM1

##### 5.1.1.1.1Test Width=1.4

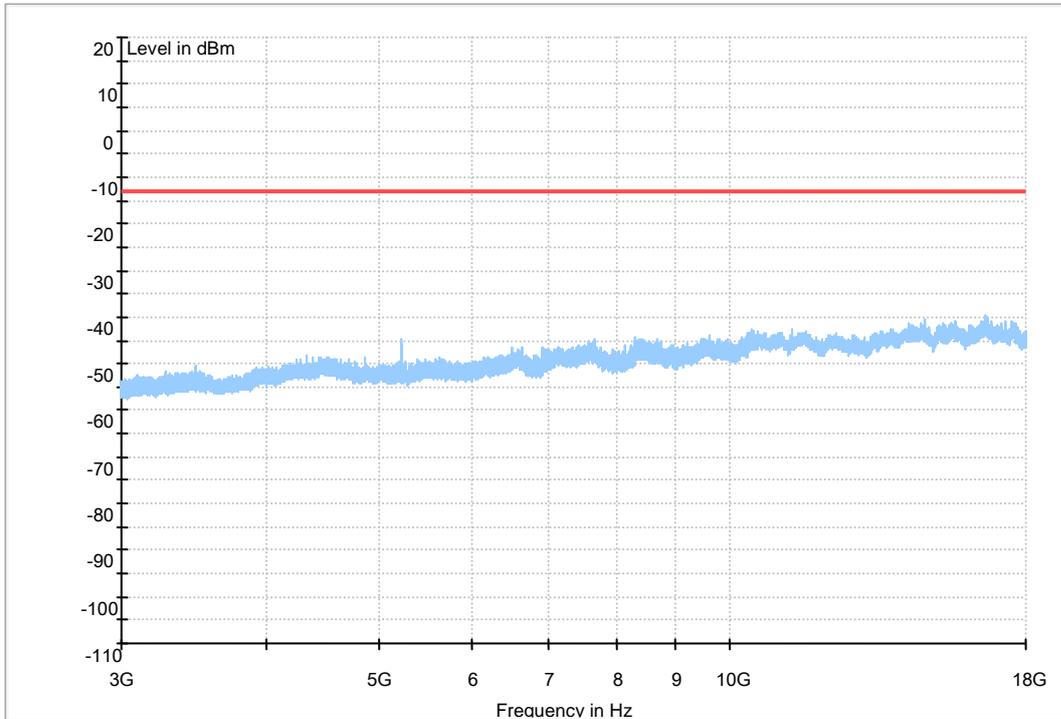
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

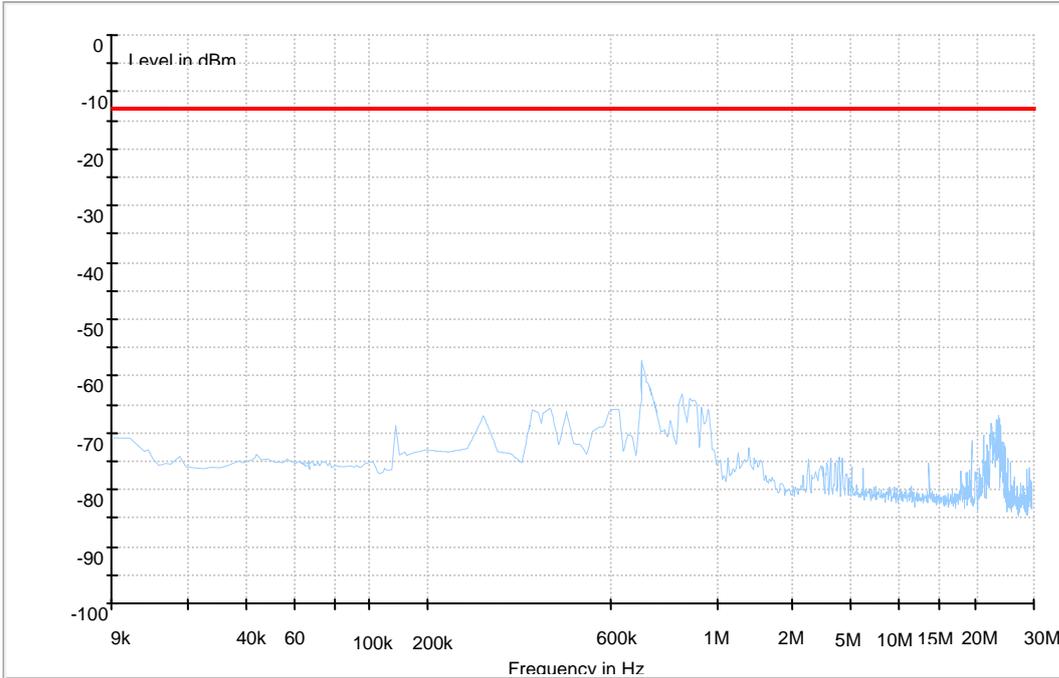


Traffic Mode (3GHz-18GHz)

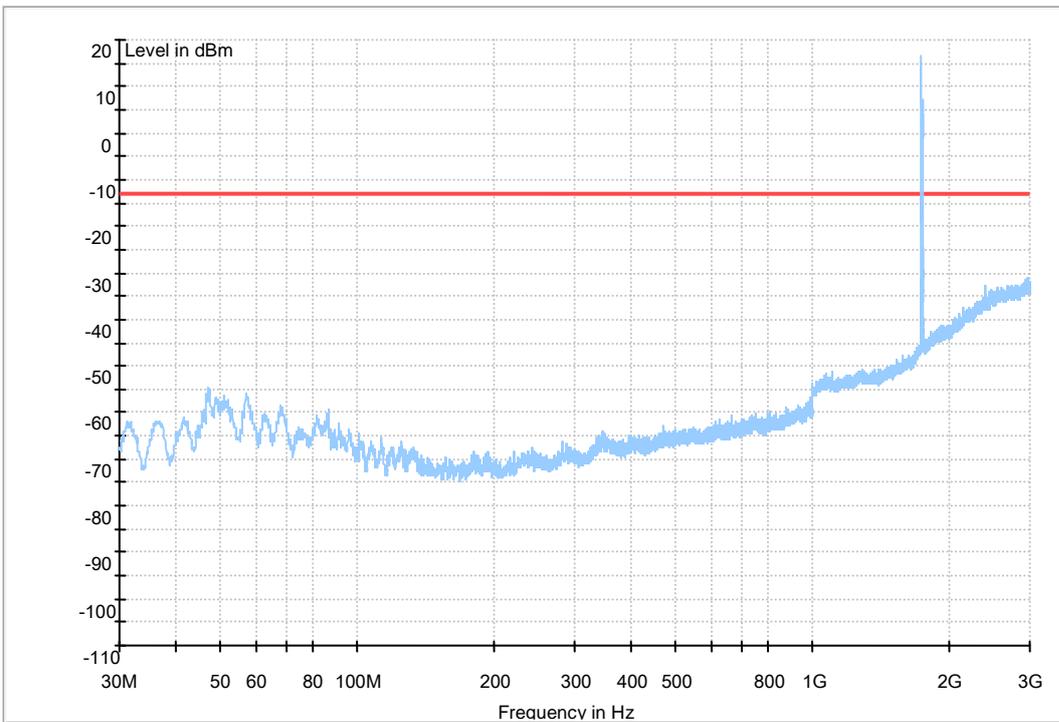


### 5.1.1.1.2 Test Width=5

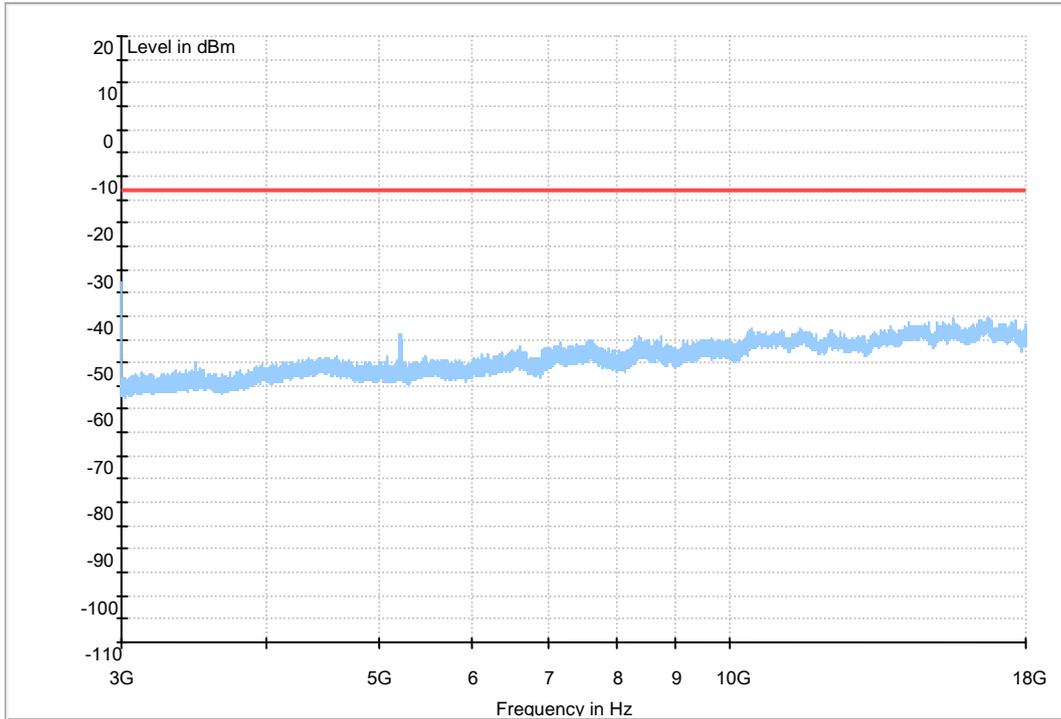
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

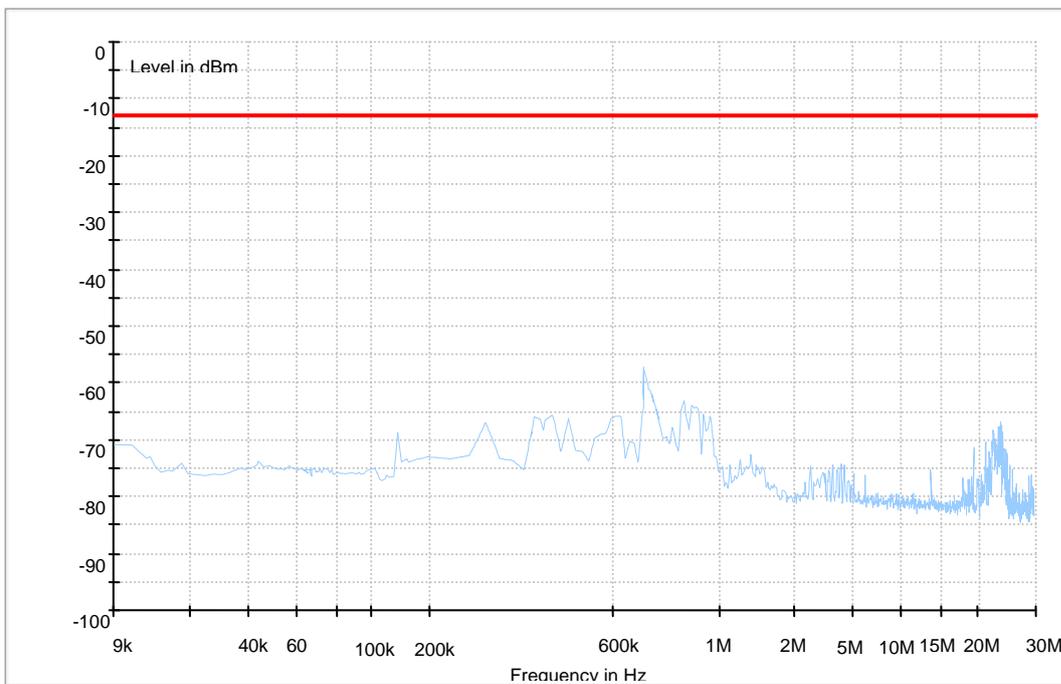


Traffic Mode (3GHz-18GHz)

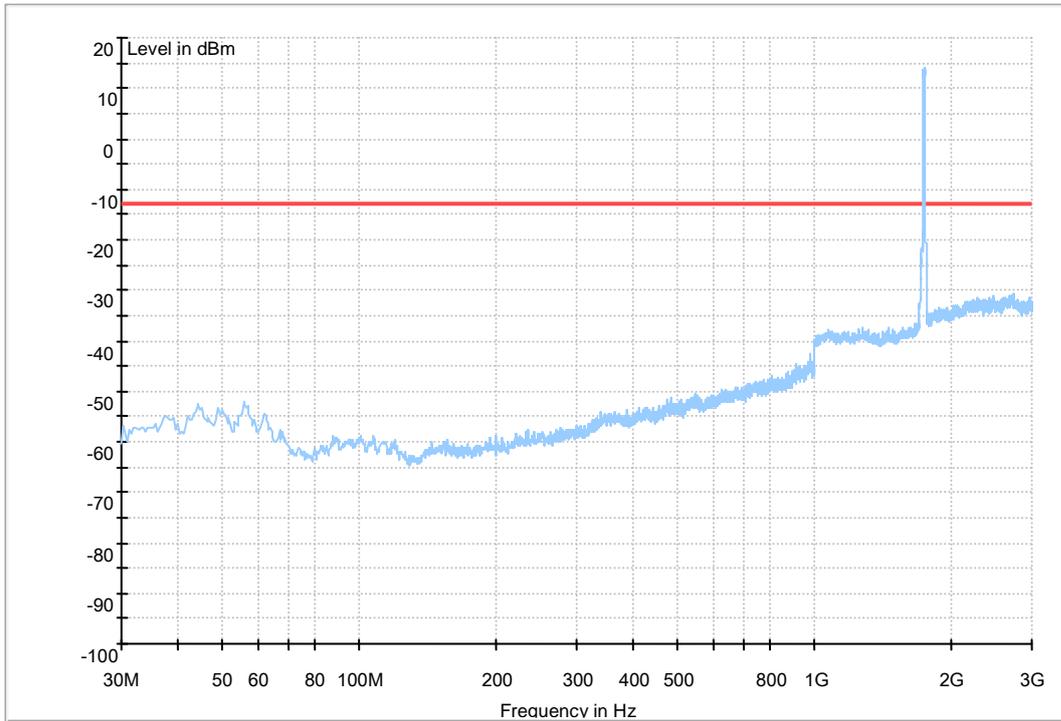


5.1.1.1.3 Test Width=20

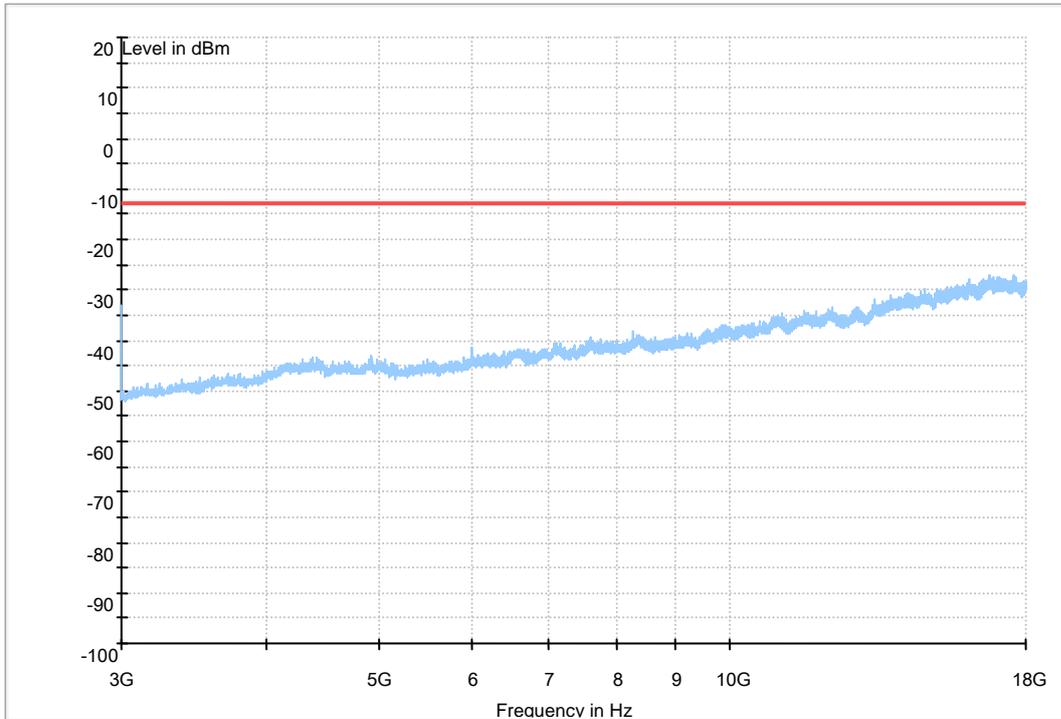
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



## 6Appendix\_F: Frequency Stability

### 6.1 For LTE

#### 6.1.1 Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|
| BAND4     | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | -4.02            | -0.00235              | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | -3.32            | -0.00194              | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | -0.27            | -0.00016              | ±2.5        | PASS    |
|           |           |                      | MCH          | TN         | VL         | 1.86             | 0.00107               | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | 0.63             | 0.00036               | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | 2.45             | 0.00141               | ±2.5        | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.00            | -0.00171              | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | -3.73            | -0.00213              | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | -5.38            | -0.00307              | ±2.5        | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -2.50            | -0.00146              | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | -1.17            | -0.00068              | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | -0.96            | -0.00056              | ±2.5        | PASS    |
|           |           |                      | MCH          | TN         | VL         | 1.72             | 0.00099               | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | 3.78             | 0.00218               | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | 1.59             | 0.00092               | ±2.5        | PASS    |
|           |           |                      | HCH          | TN         | VL         | -6.39            | -0.00364              | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | -6.48            | -0.0037               | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | -6.49            | -0.0037               | ±2.5        | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -5.36            | -0.00313              | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | -5.85            | -0.00342              | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | -7.98            | -0.00466              | ±2.5        | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.63             | 0.00036               | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | 0.46             | 0.00027               | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | -0.83            | -0.00048              | ±2.5        | PASS    |
|           |           |                      | HCH          | TN         | VL         | -4.21            | -0.0024               | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | -1.93            | -0.0011               | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | -2.69            | -0.00153              | ±2.5        | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -0.62            | -0.00036              | ±2.5        | PASS    |
|           |           |                      |              |            | VN         | 0.19             | 0.00011               | ±2.5        | PASS    |
|           |           |                      |              |            | VH         | 0.77             | 0.00045               | ±2.5        | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.92             | 0.00053               | ±2.5        | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict  |      |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|----------|------|------|
|           |           |                      |              |            | VN         | 1.63             | 0.00094               | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VH         | 2.23             | 0.00129               | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VL         | 3.43             | 0.00196               | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VN         | 2.88             | 0.00165               | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VH         | 3.32             | 0.0019                | ±2.5        | PASS     |      |      |
|           |           |                      | HCH          | TN         | VL         | -6.44            | -0.00375              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VN         | -7.02            | -0.00409              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VH         | -6.98            | -0.00406              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VL         | 1.70             | 0.00098               | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VN         | -0.31            | -0.00018              | ±2.5        | PASS     |      |      |
|           |           | 15                   | MCH          | TN         | VH         | -0.63            | -0.00036              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VL         | -2.65            | -0.00152              | ±2.5        | PASS     |      |      |
|           |           |                      | HCH          | TN         | VN         | -1.85            | -0.00106              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VH         | -3.22            | -0.00184              | ±2.5        | PASS     |      |      |
|           |           | VL                   |              |            | 0.04       | 0.00002          | ±2.5                  | PASS        |          |      |      |
|           |           | 20                   | LCH          | TN         | VN         | -1.22            | -0.00071              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VH         | -0.39            | -0.00023              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VL         | 0.40             | 0.00023               | ±2.5        | PASS     |      |      |
|           |           |                      | MCH          | TN         | VN         | -1.72            | -0.00099              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VH         | 2.30             | 0.00133               | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VL         | 2.12             | 0.00179               | ±2.5        | PASS     |      |      |
|           |           |                      | HCH          | TN         | VN         | 3.42             | 0.00196               | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VH         | 2.15             | 0.00123               | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VL         | -6.02            | -0.00352              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VN         | -5.98            | -0.0035               | ±2.5        | PASS     |      |      |
|           |           | LTE/TM2              | 1.4          | LCH        | TN         | VH               | -7.62                 | -0.00445    | ±2.5     | PASS |      |
|           |           |                      |              |            |            | VL               | -0.96                 | -0.00055    | ±2.5     | PASS |      |
|           |           |                      |              |            |            | VN               | -0.83                 | -0.00048    | ±2.5     | PASS |      |
|           |           |                      |              | MCH        | TN         | VH               | -0.99                 | -0.00057    | ±2.5     | PASS |      |
|           |           |                      |              |            |            | VL               | -4.69                 | -0.00267    | ±2.5     | PASS |      |
|           |           |                      |              |            |            | VN               | -4.31                 | -0.00246    | ±2.5     | PASS |      |
|           |           |                      |              | HCH        | TN         | VH               | -2.66                 | -0.00152    | ±2.5     | PASS |      |
|           |           |                      |              |            |            | VL               | -3.08                 | -0.0018     | ±2.5     | PASS |      |
|           |           |                      |              |            |            | VN               | -2.79                 | -0.00163    | ±2.5     | PASS |      |
|           |           |                      |              | 3          | LCH        | TN               | VH                    | -3.92       | -0.00229 | ±2.5 | PASS |
|           |           |                      |              |            |            |                  | VL                    | 0.97        | 0.00056  | ±2.5 | PASS |
|           |           |                      |              |            |            |                  | VN                    | 2.19        | 0.00126  | ±2.5 | PASS |
|           |           | MCH                  | TN           |            | VH         | 2.85             | 0.00165               | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VL         | -5.15            | -0.00351              | ±2.5        | PASS     |      |      |
|           |           |                      |              |            | VN         | -7.51            | -0.00428              | ±2.5        | PASS     |      |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |      |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|------|------|
|           |           | 5                    | LCH          | TN         | VH         | -5.62            | -0.00321              | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | -4.43            | -0.00259              | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | -4.23            | -0.00247              | ±2.5        | PASS    |      |      |
|           |           |                      | MCH          | TN         | VH         | -4.18            | -0.00302              | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | 2.26             | 0.0013                | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | 1.54             | 0.00089               | ±2.5        | PASS    |      |      |
|           |           |                      | HCH          | TN         | VH         | 2.35             | 0.00136               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | -2.63            | -0.0015               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | -4.62            | -0.00264              | ±2.5        | PASS    |      |      |
|           |           |                      | 10           | LCH        | TN         | VH               | -2.42                 | -0.00138    | ±2.5    | PASS |      |
|           |           |                      |              |            |            | VL               | 0.86                  | 0.0005      | ±2.5    | PASS |      |
|           |           |                      |              |            |            | VN               | 0.03                  | 0.00002     | ±2.5    | PASS |      |
|           |           | MCH                  |              | TN         | VH         | 0.00             | 0                     | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | 3.33             | 0.00192               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | 4.08             | 0.00235               | ±2.5        | PASS    |      |      |
|           |           | HCH                  |              | TN         | VH         | 0.36             | 0.00021               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | 2.13             | 0.00122               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | 2.00             | 0.00114               | ±2.5        | PASS    |      |      |
|           |           | 15                   | LCH          | TN         | VH         | 2.26             | 0.00129               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | -7.37            | -0.00429              | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | -6.21            | -0.00362              | ±2.5        | PASS    |      |      |
|           |           |                      | MCH          | TN         | VH         | -8.05            | -0.00469              | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | 2.73             | 0.00158               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | 0.97             | 0.00056               | ±2.5        | PASS    |      |      |
|           |           |                      | HCH          | TN         | VH         | 2.63             | 0.00152               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | -2.09            | -0.0012               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | -2.46            | -0.00141              | ±2.5        | PASS    |      |      |
|           |           | 20                   | LCH          | TN         | VH         | -2.35            | -0.00134              | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | -1.04            | -0.0006               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | -0.31            | -0.00018              | ±2.5        | PASS    |      |      |
|           |           |                      | MCH          | TN         | VH         | -1.69            | -0.00098              | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | 1.36             | 0.00078               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | -0.06            | -0.00003              | ±2.5        | PASS    |      |      |
|           |           |                      | HCH          | TN         | VH         | 1.02             | 0.00059               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VL         | 2.80             | 0.0016                | ±2.5        | PASS    |      |      |
|           |           |                      |              |            | VN         | 3.28             | 0.00188               | ±2.5        | PASS    |      |      |
|           |           |                      |              |            |            |                  | VH                    | 3.78        | 0.00217 | ±2.5 | PASS |

6.1.2 Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|
| BAND4     | LTE/TM1   | 1.4                  | LCH          | VN         | -30        | -3.52            | -0.00206              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -2.63            | -0.00154              | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | -3.13            | -0.00241              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -4.59            | -0.00268              | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | -3.58            | -0.00209              | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -3.60            | -0.0021               | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | -2.12            | -0.00124              | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -5.02            | -0.00293              | ±2.5        | PASS    |
|           |           |                      | 50           | -3.66      | -0.00214   | ±2.5             | PASS                  |             |         |
|           |           |                      | MCH          | VN         | -30        | 2.75             | 0.00159               | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | 2.23             | 0.00129               | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | 2.55             | 0.00147               | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | 1.46             | 0.00084               | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | 2.16             | 0.00125               | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | 3.43             | 0.00198               | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | 1.96             | 0.00113               | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | 0.66             | 0.00038               | ±2.5        | PASS    |
|           |           |                      | 50           | 2.86       | 0.00165    | ±2.5             | PASS                  |             |         |
|           |           |                      | HCH          | VN         | -30        | -4.72            | -0.00269              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -0.97            | -0.00055              | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | -2.12            | -0.00178              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -2.83            | -0.00161              | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | -1.09            | -0.00062              | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -2.59            | -0.00148              | ±2.5        | PASS    |
|           |           | 30                   |              |            | -1.10      | -0.00063         | ±2.5                  | PASS        |         |
|           |           | 40                   |              |            | -0.97      | -0.00055         | ±2.5                  | PASS        |         |
|           |           | 50                   | -1.53        | -0.00087   | ±2.5       | PASS             |                       |             |         |
|           |           | 3                    | LCH          | VN         | -30        | -4.22            | -0.00247              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -0.03            | -0.00002              | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | -3.29            | -0.00192              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -0.79            | -0.00046              | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | -1.59            | -0.00093              | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -3.23            | -0.00189              | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | -3.62            | -0.00212              | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -3.26            | -0.0019               | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | -2.29            | -0.00134              | ±2.5        | PASS    |
| MCH       | VN        |                      |              |            | -30        | -0.24            | -0.00014              | ±2.5        | PASS    |
|           |           |                      | -20          | 2.62       | 0.00151    | ±2.5             | PASS                  |             |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|
|           |           |                      |              |            | -10        | -0.50            | -0.00029              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | 0.86             | 0.0005                | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | 2.55             | 0.00147               | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | 1.73             | 0.001                 | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | 0.44             | 0.00025               | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -0.30            | -0.00017              | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | 1.87             | 0.00108               | ±2.5        | PASS    |
|           |           |                      | HCH          | VN         | -30        | -5.72            | -0.00326              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -6.24            | -0.00356              | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | -6.82            | -0.00389              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -6.54            | -0.00373              | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | -5.52            | -0.00315              | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -7.28            | -0.00415              | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | -6.92            | -0.00395              | ±2.5        | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -5.95            | -0.00347              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -5.62            | -0.00328              | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | -6.44            | -0.00376              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -6.47            | -0.00378              | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | -5.48            | -0.0032               | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -4.03            | -0.00235              | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | -6.38            | -0.00373              | ±2.5        | PASS    |
|           |           |                      | MCH          | VN         | -30        | 2.07             | 0.00119               | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | 1.34             | 0.00077               | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | 0.39             | 0.00023               | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -0.84            | -0.00048              | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | 1.16             | 0.00067               | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -0.41            | -0.00024              | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | 2.55             | 0.00147               | ±2.5        | PASS    |
|           |           | HCH                  | VN           | -30        | -3.79      | -0.00216         | ±2.5                  | PASS        |         |
|           |           |                      |              | -20        | -5.32      | -0.00304         | ±2.5                  | PASS        |         |
|           |           |                      |              | -10        | -1.09      | -0.00062         | ±2.5                  | PASS        |         |
|           |           |                      |              | 0          | -3.12      | -0.00235         | ±2.5                  | PASS        |         |
|           |           |                      |              | 10         | -4.22      | -0.00241         | ±2.5                  | PASS        |         |
|           |           |                      |              | 20         | -5.66      | -0.00323         | ±2.5                  | PASS        |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|
|           |           |                      |              |            | 30         | -5.39            | -0.00308              | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -1.80            | -0.00103              | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | -2.96            | -0.00169              | ±2.5        | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -0.09            | -0.00005              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | 0.84             | 0.00049               | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | 1.20             | 0.0007                | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -0.06            | -0.00003              | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | -0.74            | -0.00043              | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -0.49            | -0.00029              | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | 0.16             | 0.00009               | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -0.83            | -0.00048              | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | 0.36             | 0.00021               | ±2.5        | PASS    |
|           |           |                      | MCH          | VN         | -30        | 3.46             | 0.002                 | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | 1.27             | 0.00073               | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | 3.00             | 0.00173               | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | 3.00             | 0.00173               | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | 1.02             | 0.00059               | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | 0.19             | 0.00011               | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | -0.89            | -0.00051              | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -0.47            | -0.00027              | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | 0.27             | 0.00016               | ±2.5        | PASS    |
|           |           |                      | HCH          | VN         | -30        | 3.76             | 0.00215               | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | 4.62             | 0.00264               | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | 3.89             | 0.00222               | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | 1.60             | 0.00091               | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | 4.38             | 0.0025                | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | 3.85             | 0.0022                | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | 4.32             | 0.00247               | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | 3.26             | 0.00186               | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | 3.32             | 0.0019                | ±2.5        | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -4.11            | -0.00298              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -7.62            | -0.00444              | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | -7.87            | -0.00458              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -7.55            | -0.0044               | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | -6.95            | -0.00405              | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -6.91            | -0.00402              | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | -5.19            | -0.0036               | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -5.71            | -0.00332              | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | -7.24            | -0.00422              | ±2.5        | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.63             | 0.00094               | ±2.5        | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict  |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|----------|------|
|           |           |                      |              |            | -20        | 1.02             | 0.00059               | ±2.5        | PASS     |      |
|           |           |                      |              |            | -10        | 1.77             | 0.00102               | ±2.5        | PASS     |      |
|           |           |                      |              |            | 0          | 0.67             | 0.00039               | ±2.5        | PASS     |      |
|           |           |                      |              |            | 10         | 2.60             | 0.0015                | ±2.5        | PASS     |      |
|           |           |                      |              |            | 20         | 0.57             | 0.00033               | ±2.5        | PASS     |      |
|           |           |                      |              |            | 30         | 1.54             | 0.00089               | ±2.5        | PASS     |      |
|           |           |                      |              |            | 40         | -0.06            | -0.00003              | ±2.5        | PASS     |      |
|           |           |                      |              |            | 50         | 1.26             | 0.00073               | ±2.5        | PASS     |      |
|           |           |                      |              |            | HCH        | VN               | -30                   | -3.09       | -0.00177 | ±2.5 |
|           |           |                      | -20          | -3.13      |            |                  | -0.00236              | ±2.5        | PASS     |      |
|           |           |                      | -10          | -1.23      |            |                  | -0.0007               | ±2.5        | PASS     |      |
|           |           |                      | 0            | -2.40      |            |                  | -0.00137              | ±2.5        | PASS     |      |
|           |           |                      | 10           | -2.49      |            |                  | -0.00142              | ±2.5        | PASS     |      |
|           |           |                      | 20           | -1.93      |            |                  | -0.0011               | ±2.5        | PASS     |      |
|           |           |                      | 30           | -2.16      |            |                  | -0.00181              | ±2.5        | PASS     |      |
|           |           |                      | 40           | -2.25      |            |                  | -0.00129              | ±2.5        | PASS     |      |
|           |           |                      | 50           | -1.24      |            |                  | -0.00071              | ±2.5        | PASS     |      |
|           |           |                      | 20           | LCH        | VN         | -30              | -1.13                 | -0.00066    | ±2.5     | PASS |
|           |           |                      |              |            |            | -20              | -0.39                 | -0.00023    | ±2.5     | PASS |
|           |           |                      |              |            |            | -10              | -0.47                 | -0.00027    | ±2.5     | PASS |
|           |           |                      |              |            |            | 0                | -1.54                 | -0.0009     | ±2.5     | PASS |
|           |           | 10                   |              |            |            | 0.10             | 0.00006               | ±2.5        | PASS     |      |
|           |           | 20                   |              |            |            | -0.74            | -0.00043              | ±2.5        | PASS     |      |
|           |           | 30                   |              |            |            | -1.52            | -0.00088              | ±2.5        | PASS     |      |
|           |           | 40                   |              |            |            | -0.72            | -0.00042              | ±2.5        | PASS     |      |
|           |           | 50                   |              | -1.89      | -0.0011    | ±2.5             | PASS                  |             |          |      |
|           |           | MCH                  |              | VN         | -30        | 0.11             | 0.00006               | ±2.5        | PASS     |      |
|           |           |                      |              |            | -20        | 1.96             | 0.00113               | ±2.5        | PASS     |      |
|           |           |                      |              |            | -10        | 0.83             | 0.00048               | ±2.5        | PASS     |      |
|           |           |                      |              |            | 0          | 2.32             | 0.00134               | ±2.5        | PASS     |      |
|           |           |                      |              |            | 10         | 1.73             | 0.001                 | ±2.5        | PASS     |      |
|           |           |                      | 20           |            | 0.39       | 0.00023          | ±2.5                  | PASS        |          |      |
|           |           |                      | 30           |            | 0.04       | 0.00002          | ±2.5                  | PASS        |          |      |
|           |           | 40                   | 1.30         | 0.00075    | ±2.5       | PASS             |                       |             |          |      |
|           |           | 50                   | 1.99         | 0.00115    | ±2.5       | PASS             |                       |             |          |      |
|           |           | HCH                  | VN           | -30        | 2.26       | 0.0013           | ±2.5                  | PASS        |          |      |
|           |           |                      |              | -20        | 3.46       | 0.00198          | ±2.5                  | PASS        |          |      |
|           |           |                      |              | -10        | 4.21       | 0.00241          | ±2.5                  | PASS        |          |      |
|           |           |                      |              | 0          | 3.28       | 0.00188          | ±2.5                  | PASS        |          |      |
|           |           |                      |              | 10         | 4.84       | 0.00277          | ±2.5                  | PASS        |          |      |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|
|           | LTE/TM2   | 1.4                  | LCH          | VN         | 20         | 2.60             | 0.00149               | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | 3.09             | 0.00177               | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | 4.53             | 0.0026                | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | 5.01             | 0.00287               | ±2.5        | PASS    |
|           |           |                      |              |            | -30        | -2.98            | -0.00174              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -4.79            | -0.0028               | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | -7.57            | -0.00443              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -7.00            | -0.00409              | ±2.5        | PASS    |
|           |           | 10                   | -3.86        | -0.00226   | ±2.5       | PASS             |                       |             |         |
|           |           | 20                   | -3.33        | -0.00195   | ±2.5       | PASS             |                       |             |         |
|           |           | 30                   | -4.65        | -0.00272   | ±2.5       | PASS             |                       |             |         |
|           |           | 40                   | -6.42        | -0.00375   | ±2.5       | PASS             |                       |             |         |
|           |           | 50                   | -2.85        | -0.00167   | ±2.5       | PASS             |                       |             |         |
|           |           | MCH                  | VN           | -30        | 0.96       | 0.00055          | ±2.5                  | PASS        |         |
|           |           |                      |              | -20        | 1.54       | 0.00089          | ±2.5                  | PASS        |         |
|           |           |                      |              | -10        | 1.16       | 0.00067          | ±2.5                  | PASS        |         |
|           | 0         |                      |              | 3.06       | 0.00177    | ±2.5             | PASS                  |             |         |
|           | 10        |                      |              | 1.63       | 0.00094    | ±2.5             | PASS                  |             |         |
|           | 20        |                      |              | 0.77       | 0.00044    | ±2.5             | PASS                  |             |         |
|           | 30        |                      |              | 2.69       | 0.00155    | ±2.5             | PASS                  |             |         |
|           | 40        |                      |              | -1.52      | -0.00088   | ±2.5             | PASS                  |             |         |
|           | HCH       | VN                   | 50           | 1.42       | 0.00082    | ±2.5             | PASS                  |             |         |
|           |           |                      | -30          | -6.59      | -0.00376   | ±2.5             | PASS                  |             |         |
|           |           |                      | -20          | -4.33      | -0.00247   | ±2.5             | PASS                  |             |         |
|           |           |                      | -10          | -2.43      | -0.00139   | ±2.5             | PASS                  |             |         |
|           |           |                      | 0            | -3.11      | -0.00234   | ±2.5             | PASS                  |             |         |
|           |           |                      | 10           | -5.02      | -0.00286   | ±2.5             | PASS                  |             |         |
|           |           |                      | 20           | -5.82      | -0.00332   | ±2.5             | PASS                  |             |         |
|           |           |                      | 30           | -3.79      | -0.00216   | ±2.5             | PASS                  |             |         |
|           | 3         | LCH                  | VN           | 40         | -4.62      | -0.00263         | ±2.5                  | PASS        |         |
|           |           |                      |              | 50         | -4.42      | -0.00252         | ±2.5                  | PASS        |         |
|           |           |                      |              | -30        | -4.49      | -0.00262         | ±2.5                  | PASS        |         |
| -20       |           |                      |              | -2.36      | -0.00138   | ±2.5             | PASS                  |             |         |
| -10       |           |                      |              | -4.95      | -0.00289   | ±2.5             | PASS                  |             |         |
| 0         |           |                      |              | -5.42      | -0.00317   | ±2.5             | PASS                  |             |         |
| 10        |           |                      |              | -4.68      | -0.00273   | ±2.5             | PASS                  |             |         |
| 20        |           |                      |              | -6.04      | -0.00353   | ±2.5             | PASS                  |             |         |
| 30        | -5.71     | -0.00334             | ±2.5         | PASS       |            |                  |                       |             |         |
| 40        | -6.69     | -0.00391             | ±2.5         | PASS       |            |                  |                       |             |         |
| 50        | -5.26     | -0.00307             | ±2.5         | PASS       |            |                  |                       |             |         |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|------|
|           |           |                      | MCH          | VN         | -30        | -0.41            | -0.00024              | ±2.5        | PASS    |      |
|           |           |                      |              |            | -20        | 0.59             | 0.00034               | ±2.5        | PASS    |      |
|           |           |                      |              |            | -10        | -1.79            | -0.00103              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 0          | -0.69            | -0.0004               | ±2.5        | PASS    |      |
|           |           |                      |              |            | 10         | 0.44             | 0.00025               | ±2.5        | PASS    |      |
|           |           |                      |              |            | 20         | -0.20            | -0.00012              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 30         | 0.87             | 0.0005                | ±2.5        | PASS    |      |
|           |           |                      |              |            | 40         | -1.53            | -0.00088              | ±2.5        | PASS    |      |
|           |           |                      | 50           | 1.19       | 0.00069    | ±2.5             | PASS                  |             |         |      |
|           |           |                      | HCH          | VN         | -30        | -8.83            | -0.00504              | ±2.5        | PASS    |      |
|           |           |                      |              |            | -20        | -8.67            | -0.00494              | ±2.5        | PASS    |      |
|           |           |                      |              |            | -10        | -6.68            | -0.00381              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 0          | -7.94            | -0.00453              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 10         | -7.71            | -0.0044               | ±2.5        | PASS    |      |
|           |           |                      |              |            | 20         | -6.15            | -0.00408              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 30         | -9.04            | -0.00516              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 40         | -7.97            | -0.00455              | ±2.5        | PASS    |      |
|           |           |                      | 50           | -5.91      | -0.00337   | ±2.5             | PASS                  |             |         |      |
|           |           |                      | 5            | LCH        | VN         | -30              | -2.49                 | -0.00145    | ±2.5    | PASS |
|           |           |                      |              |            |            | -20              | -4.88                 | -0.00285    | ±2.5    | PASS |
|           |           |                      |              |            |            | -10              | -2.69                 | -0.00157    | ±2.5    | PASS |
|           |           |                      |              |            |            | 0                | -2.92                 | -0.00171    | ±2.5    | PASS |
|           |           |                      |              |            |            | 10               | -3.86                 | -0.00225    | ±2.5    | PASS |
|           |           |                      |              |            |            | 20               | -3.25                 | -0.0019     | ±2.5    | PASS |
|           |           | 30                   |              |            |            | -4.23            | -0.00247              | ±2.5        | PASS    |      |
|           |           | 40                   |              |            |            | -3.73            | -0.00218              | ±2.5        | PASS    |      |
|           |           | 50                   |              | -4.62      | -0.0027    | ±2.5             | PASS                  |             |         |      |
|           |           | MCH                  |              | VN         | -30        | 1.53             | 0.00088               | ±2.5        | PASS    |      |
|           |           |                      |              |            | -20        | 2.75             | 0.00159               | ±2.5        | PASS    |      |
|           |           |                      |              |            | -10        | 1.92             | 0.00111               | ±2.5        | PASS    |      |
|           |           |                      |              |            | 0          | 2.42             | 0.0014                | ±2.5        | PASS    |      |
|           |           |                      |              |            | 10         | 4.28             | 0.00247               | ±2.5        | PASS    |      |
|           |           |                      |              |            | 20         | 3.71             | 0.00214               | ±2.5        | PASS    |      |
|           |           |                      |              |            | 30         | 2.52             | 0.00145               | ±2.5        | PASS    |      |
|           |           |                      | 40           |            | 3.52       | 0.00203          | ±2.5                  | PASS        |         |      |
|           |           | 50                   | 3.08         | 0.00178    | ±2.5       | PASS             |                       |             |         |      |
|           |           | HCH                  | VN           | -30        | -4.96      | -0.00283         | ±2.5                  | PASS        |         |      |
|           |           |                      |              | -20        | -1.47      | -0.00084         | ±2.5                  | PASS        |         |      |
|           |           |                      |              | -10        | -2.18      | -0.00181         | ±2.5                  | PASS        |         |      |
|           |           |                      |              | 0          | -1.59      | -0.00091         | ±2.5                  | PASS        |         |      |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|------|
|           |           | 10                   | LCH          | VN         | 10         | -3.58            | -0.00204              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 20         | -3.91            | -0.00223              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 30         | -2.82            | -0.00161              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 40         | -2.26            | -0.00129              | ±2.5        | PASS    |      |
|           |           |                      |              |            | 50         | -2.49            | -0.00142              | ±2.5        | PASS    |      |
|           |           |                      | 10           | LCH        | VN         | -30              | -0.31                 | -0.00018    | ±2.5    | PASS |
|           |           |                      |              |            |            | -20              | 0.20                  | 0.00012     | ±2.5    | PASS |
|           |           |                      |              |            |            | -10              | -1.36                 | -0.00079    | ±2.5    | PASS |
|           |           |                      |              |            |            | 0                | -0.90                 | -0.00052    | ±2.5    | PASS |
|           |           |                      |              |            |            | 10               | -1.07                 | -0.00062    | ±2.5    | PASS |
|           |           | 10                   |              | MCH        | VN         | 20               | 0.17                  | 0.0001      | ±2.5    | PASS |
|           |           |                      |              |            |            | 30               | -0.34                 | -0.0002     | ±2.5    | PASS |
|           |           |                      |              |            |            | 40               | 1.19                  | 0.00069     | ±2.5    | PASS |
|           |           |                      |              |            |            | 50               | -0.11                 | -0.00006    | ±2.5    | PASS |
|           |           |                      |              |            |            | -30              | 2.13                  | 0.00123     | ±2.5    | PASS |
|           |           |                      | 10           | MCH        | VN         | -20              | 1.60                  | 0.00092     | ±2.5    | PASS |
|           |           |                      |              |            |            | -10              | 1.65                  | 0.00095     | ±2.5    | PASS |
|           |           |                      |              |            |            | 0                | 2.30                  | 0.00133     | ±2.5    | PASS |
|           |           |                      |              |            |            | 10               | 0.23                  | 0.00013     | ±2.5    | PASS |
|           |           |                      |              |            |            | 20               | 1.40                  | 0.00081     | ±2.5    | PASS |
|           |           | 10                   |              | MCH        | VN         | 30               | 1.87                  | 0.00108     | ±2.5    | PASS |
|           |           |                      |              |            |            | 40               | 1.56                  | 0.0009      | ±2.5    | PASS |
|           |           |                      |              |            |            | 50               | 1.04                  | 0.0006      | ±2.5    | PASS |
|           |           |                      |              |            |            | -30              | 1.87                  | 0.00107     | ±2.5    | PASS |
|           |           |                      |              |            |            | -20              | 2.66                  | 0.00152     | ±2.5    | PASS |
|           |           |                      | 10           | HCH        | VN         | -10              | 2.02                  | 0.00115     | ±2.5    | PASS |
|           |           |                      |              |            |            | 0                | 1.79                  | 0.00102     | ±2.5    | PASS |
|           |           |                      |              |            |            | 10               | 2.10                  | 0.0012      | ±2.5    | PASS |
|           |           |                      |              |            |            | 20               | 2.19                  | 0.00125     | ±2.5    | PASS |
|           |           |                      |              |            |            | 30               | 3.72                  | 0.00213     | ±2.5    | PASS |
|           |           | 15                   |              | LCH        | VN         | 40               | 2.10                  | 0.0012      | ±2.5    | PASS |
|           |           |                      |              |            |            | 50               | 2.52                  | 0.00144     | ±2.5    | PASS |
|           |           |                      |              |            |            | -30              | -5.02                 | -0.00292    | ±2.5    | PASS |
|           |           |                      |              |            |            | -20              | -6.51                 | -0.00379    | ±2.5    | PASS |
|           |           |                      |              |            |            | -10              | -7.00                 | -0.00408    | ±2.5    | PASS |
|           |           |                      | 15           | LCH        | VN         | 0                | -5.48                 | -0.00319    | ±2.5    | PASS |
|           |           |                      |              |            |            | 10               | -6.08                 | -0.00354    | ±2.5    | PASS |
|           |           |                      |              |            |            | 20               | -7.78                 | -0.00453    | ±2.5    | PASS |
|           |           |                      |              |            |            | 30               | -6.95                 | -0.00405    | ±2.5    | PASS |
|           |           |                      |              |            |            | 40               | -7.20                 | -0.00419    | ±2.5    | PASS |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|
|           |           |                      | MCH          | VN         | 50         | -7.94            | -0.00462              | ±2.5        | PASS    |
|           |           |                      |              |            | -30        | -0.14            | -0.00008              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -0.67            | -0.00039              | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | 0.76             | 0.00044               | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | 1.07             | 0.00062               | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | 0.92             | 0.00053               | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | 1.32             | 0.00076               | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | 1.10             | 0.00063               | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -0.16            | -0.00009              | ±2.5        | PASS    |
|           |           |                      | 50           | 0.39       | 0.00023    | ±2.5             | PASS                  |             |         |
|           |           |                      | HCH          | VN         | -30        | -1.86            | -0.00106              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -4.28            | -0.00245              | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | -3.20            | -0.00183              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -2.19            | -0.00183              | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | -1.96            | -0.00112              | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -1.09            | -0.00062              | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | -3.72            | -0.00213              | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -2.95            | -0.00169              | ±2.5        | PASS    |
|           |           | 50                   |              |            | -1.95      | -0.00112         | ±2.5                  | PASS        |         |
|           |           | 20                   | LCH          | VN         | -30        | -0.26            | -0.00015              | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | -0.13            | -0.00008              | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | -1.69            | -0.00098              | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | -0.50            | -0.00029              | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | -1.10            | -0.00064              | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | -1.22            | -0.00071              | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | -2.22            | -0.00129              | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | -2.00            | -0.00116              | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | -1.92            | -0.00112              | ±2.5        | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.04             | 0.0006                | ±2.5        | PASS    |
|           |           |                      |              |            | -20        | 0.74             | 0.00043               | ±2.5        | PASS    |
|           |           |                      |              |            | -10        | 2.49             | 0.00144               | ±2.5        | PASS    |
|           |           |                      |              |            | 0          | 0.16             | 0.00009               | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | 2.29             | 0.00132               | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | 1.12             | 0.00065               | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | 0.36             | 0.00021               | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | 0.93             | 0.00054               | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | 2.17             | 0.00125               | ±2.5        | PASS    |
|           |           | HCH                  | VN           | -30        | 2.37       | 0.00136          | ±2.5                  | PASS        |         |
|           |           |                      |              | -20        | 2.65       | 0.00152          | ±2.5                  | PASS        |         |
|           |           |                      |              | -10        | 2.36       | 0.00135          | ±2.5                  | PASS        |         |



---

---

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Limit [dBm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|-------------|---------|
|           |           |                      |              |            | 0          | 2.39             | 0.00137               | ±2.5        | PASS    |
|           |           |                      |              |            | 10         | 4.35             | 0.00249               | ±2.5        | PASS    |
|           |           |                      |              |            | 20         | 2.90             | 0.00166               | ±2.5        | PASS    |
|           |           |                      |              |            | 30         | 2.75             | 0.00158               | ±2.5        | PASS    |
|           |           |                      |              |            | 40         | 4.33             | 0.00248               | ±2.5        | PASS    |
|           |           |                      |              |            | 50         | 2.23             | 0.00128               | ±2.5        | PASS    |

---

END