

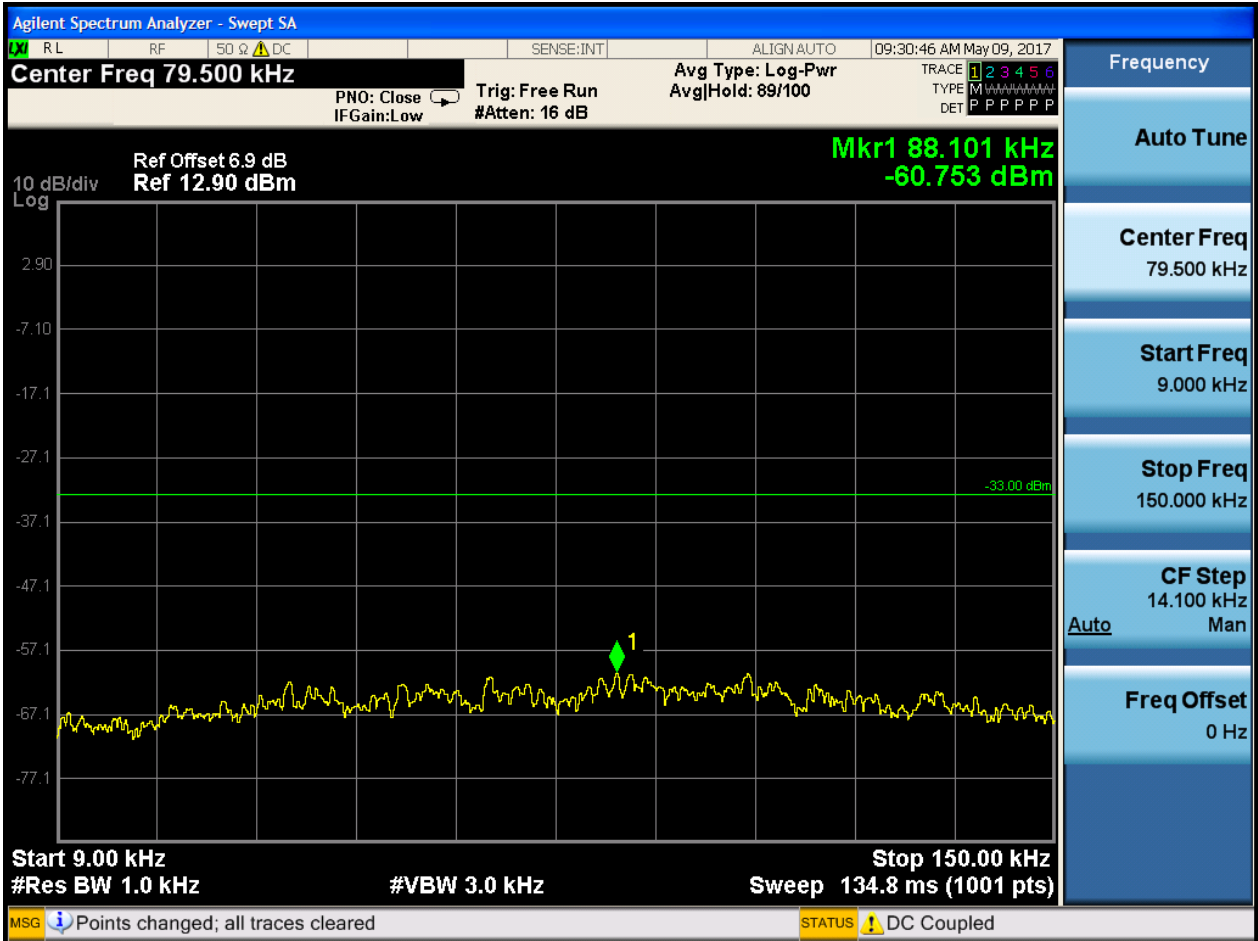






6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0







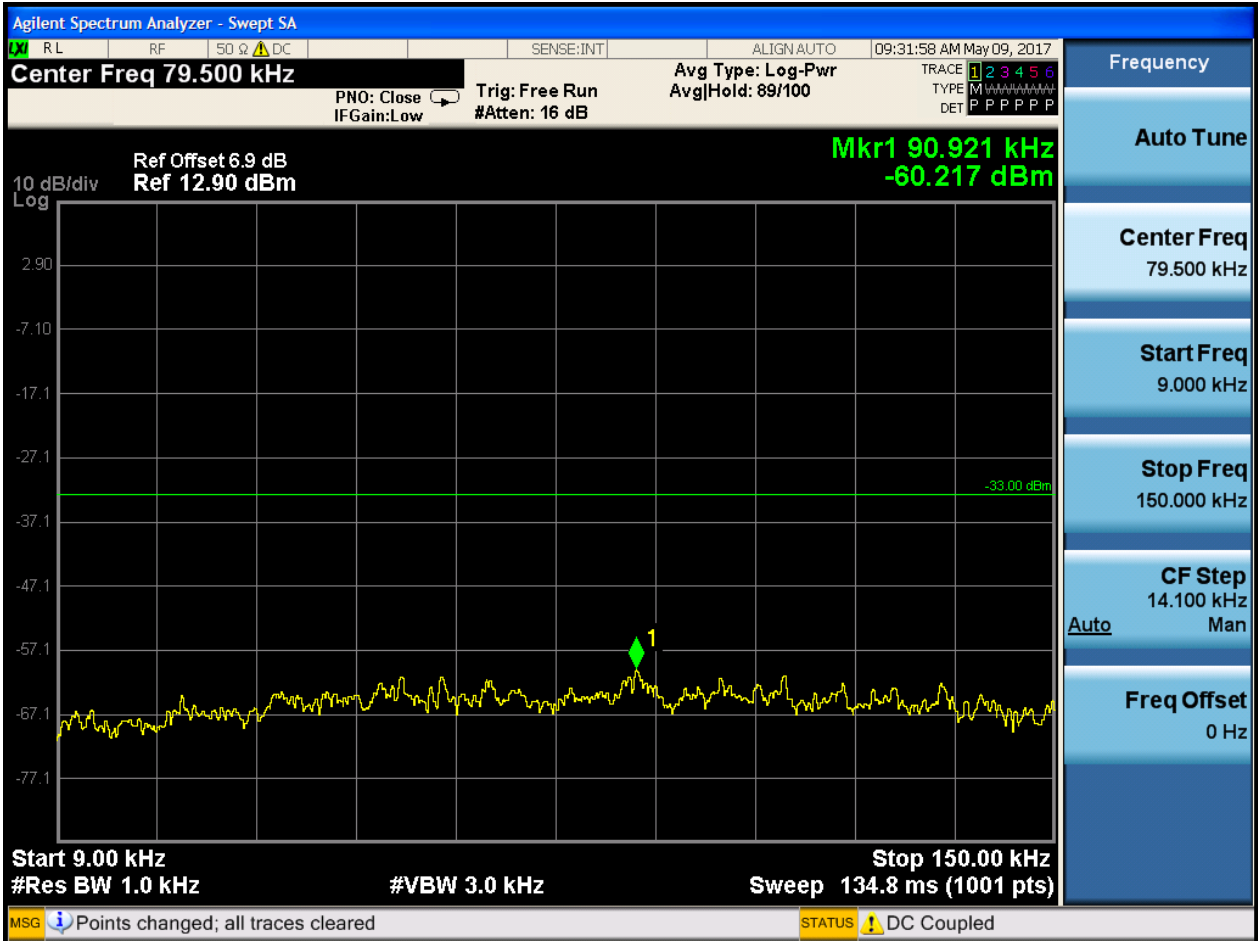


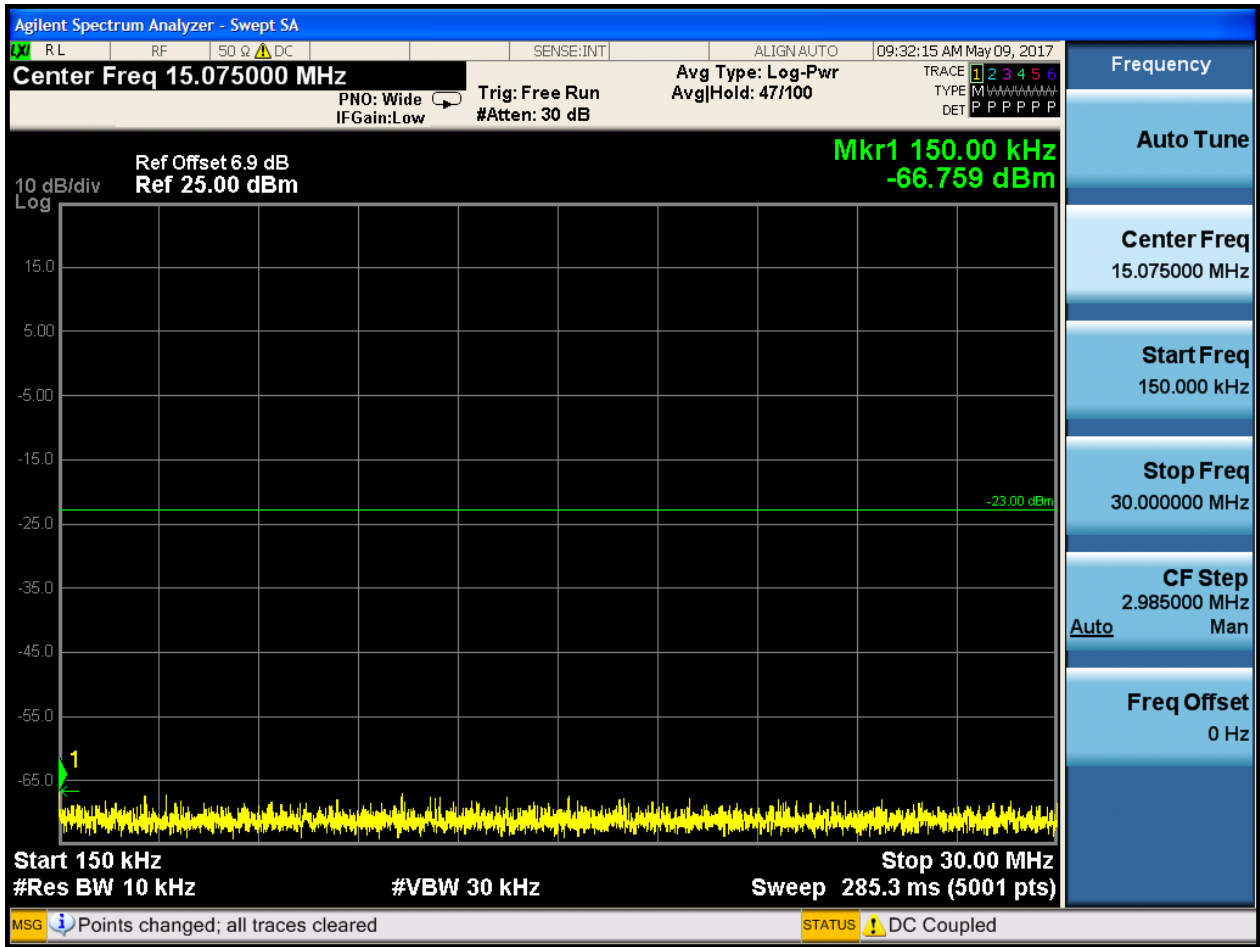


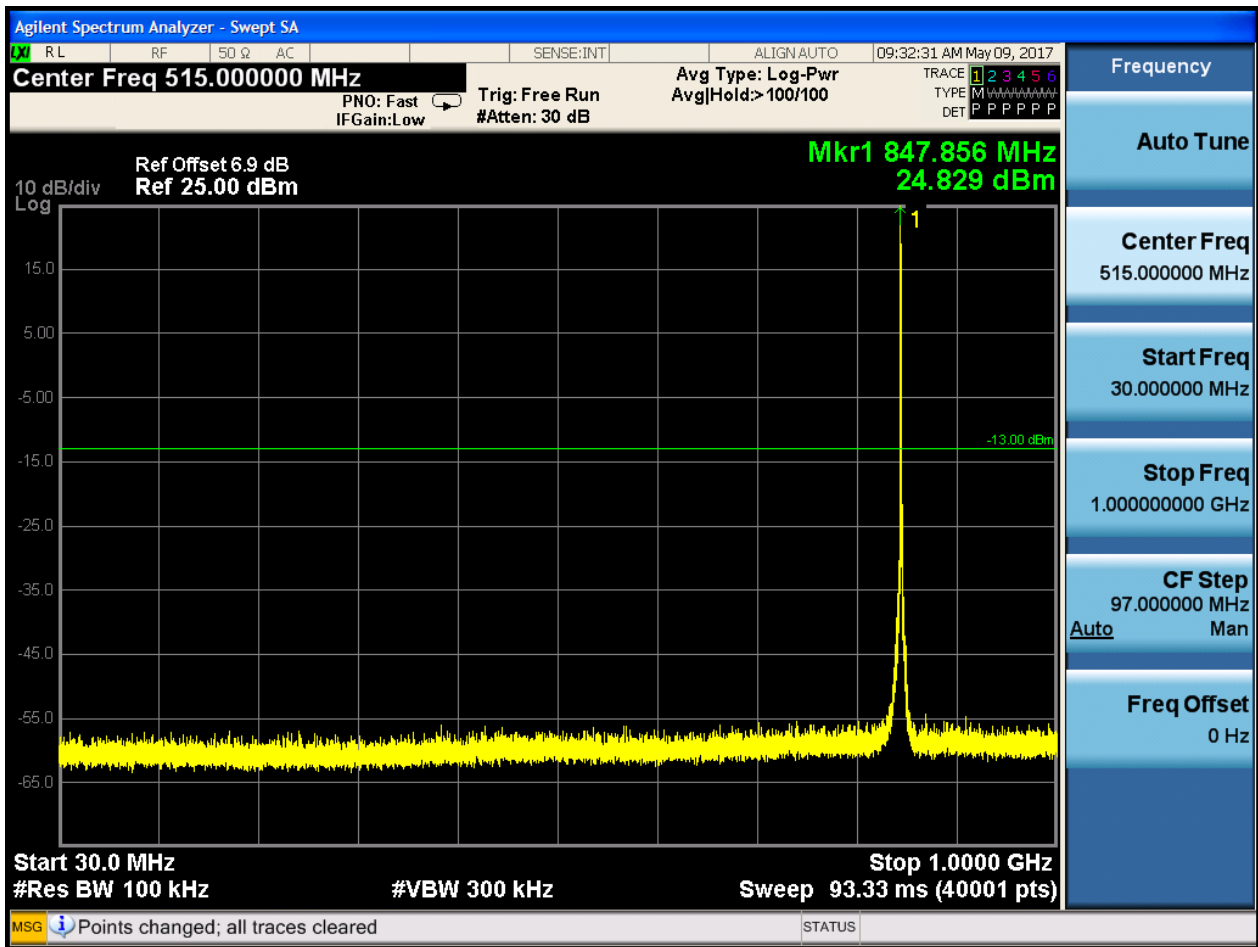


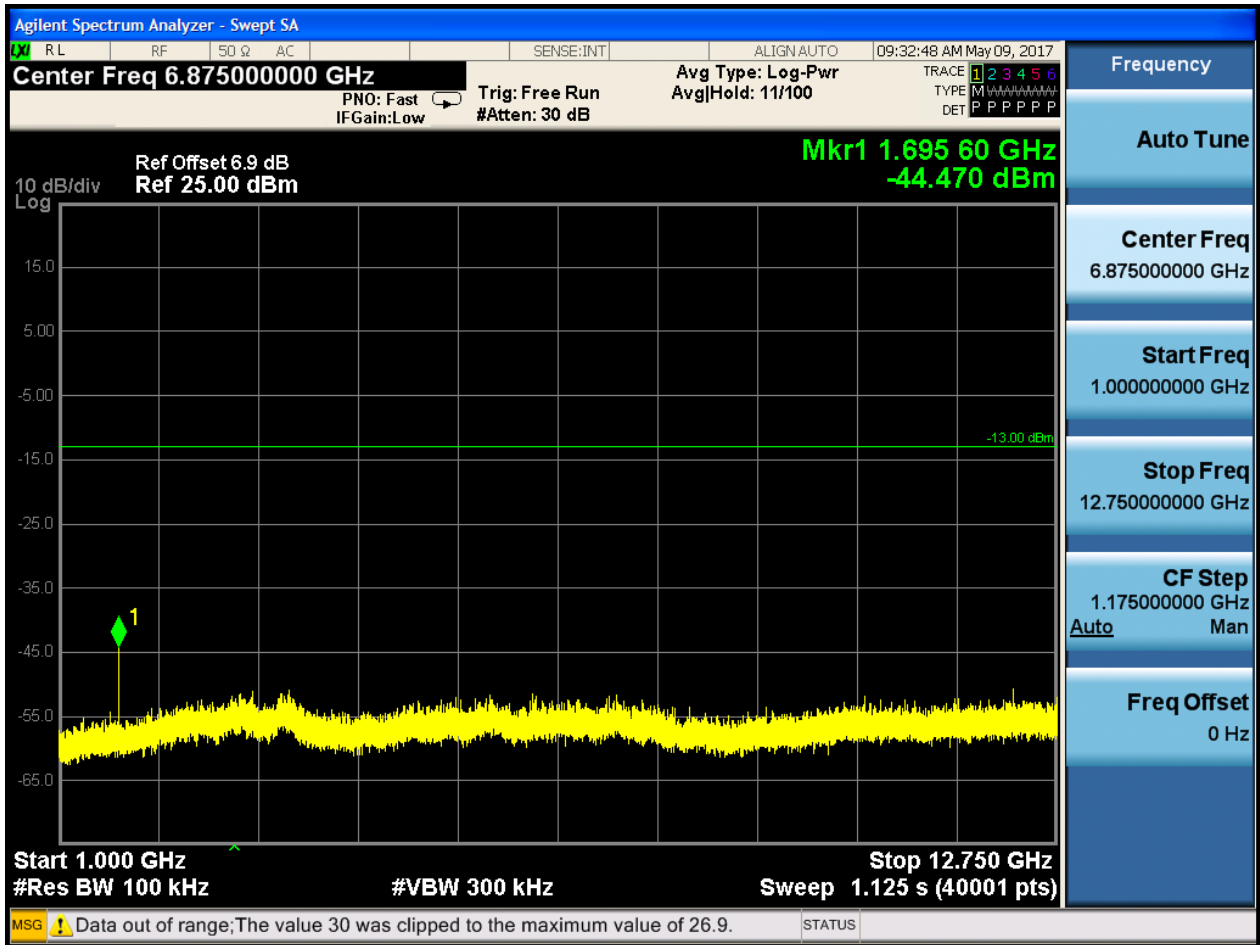
6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0







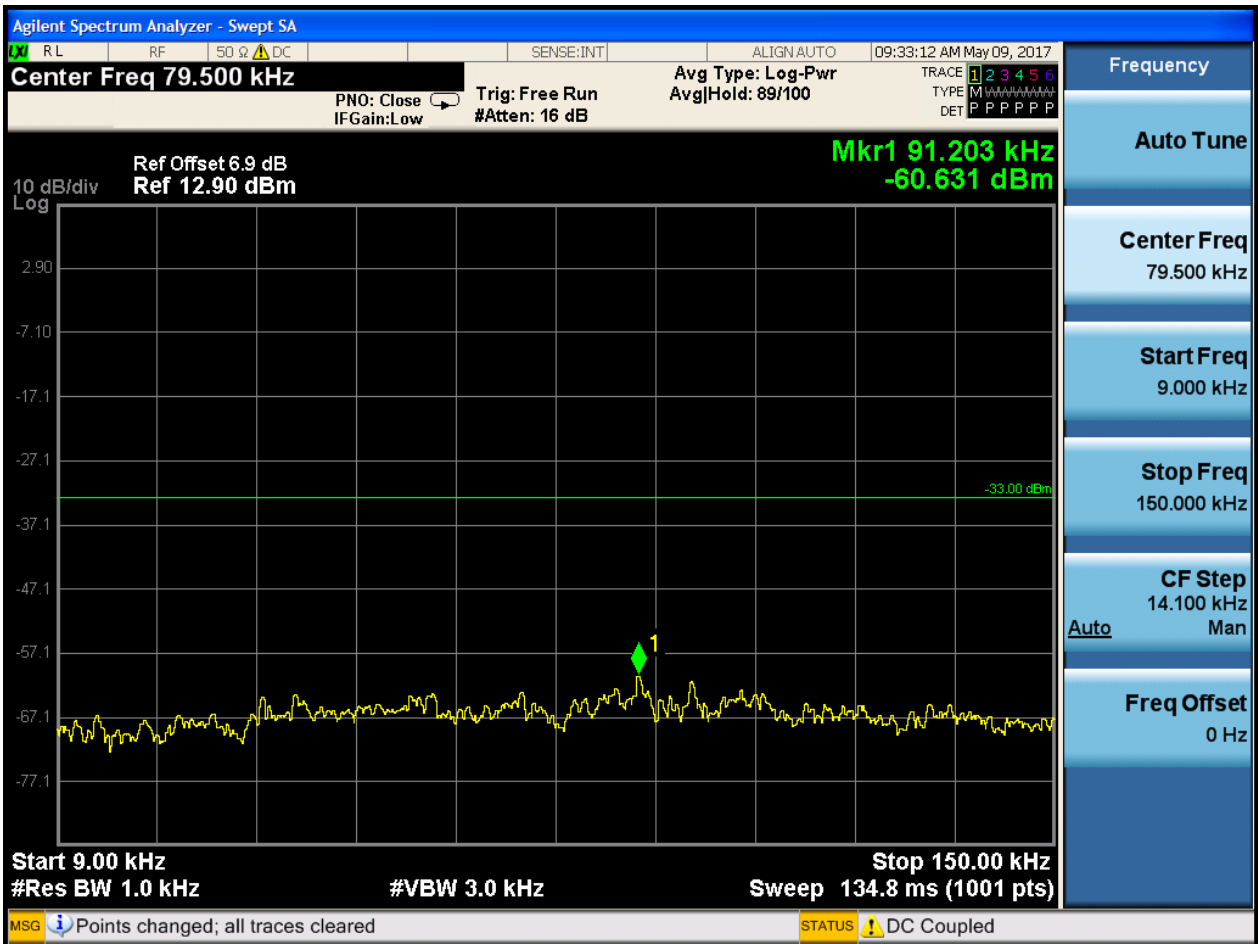


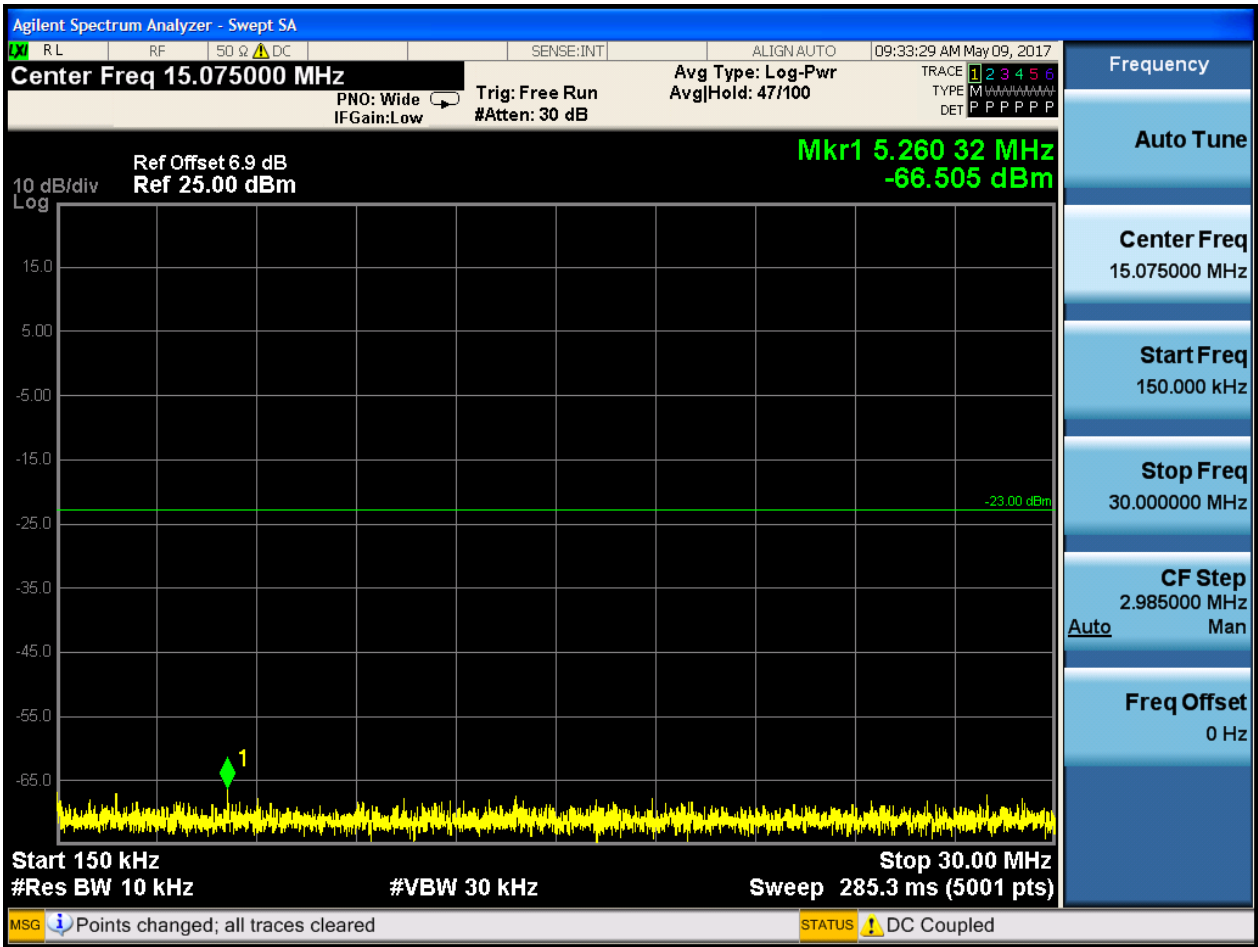


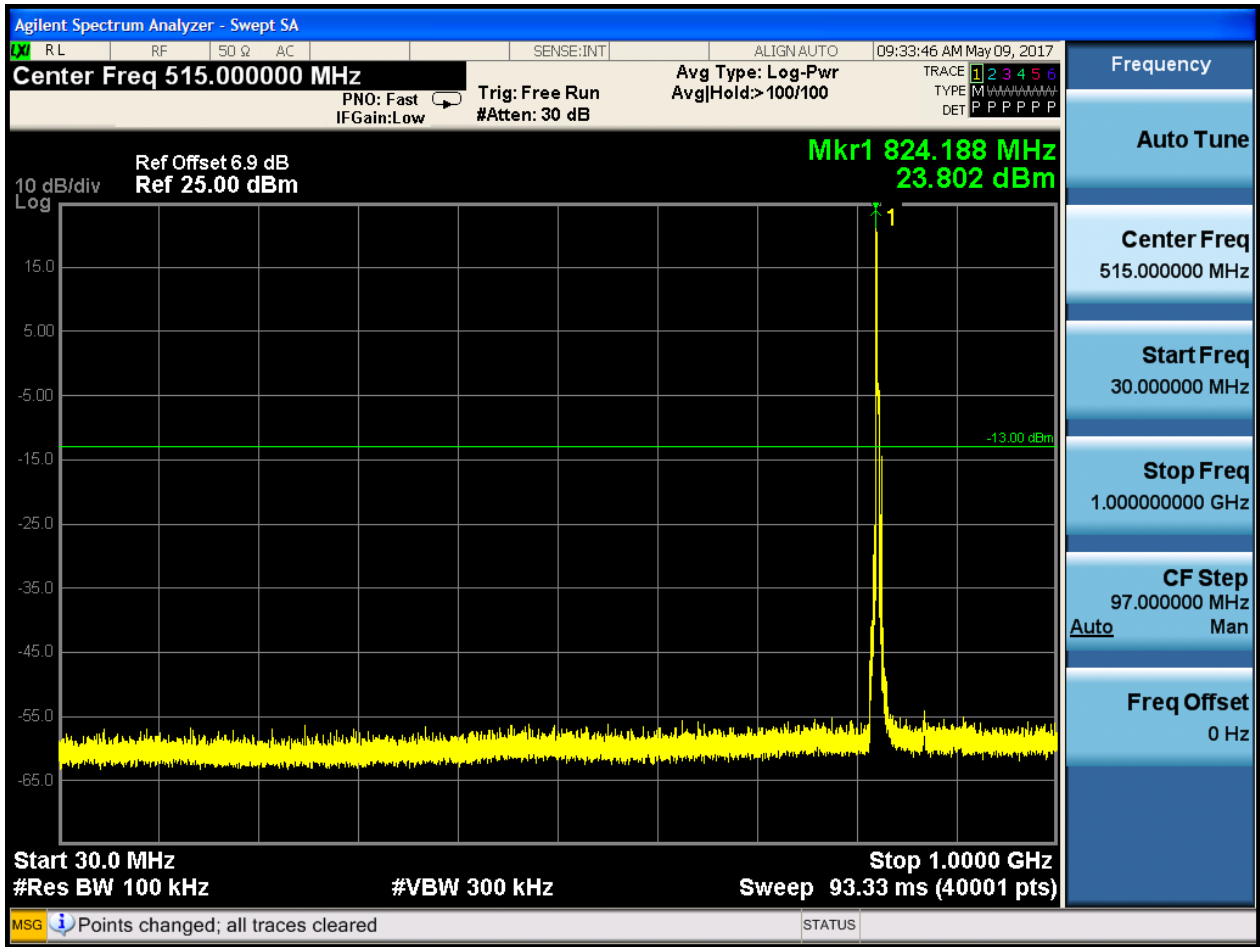
6.1.1.1.2 Test Bandwidth = 3

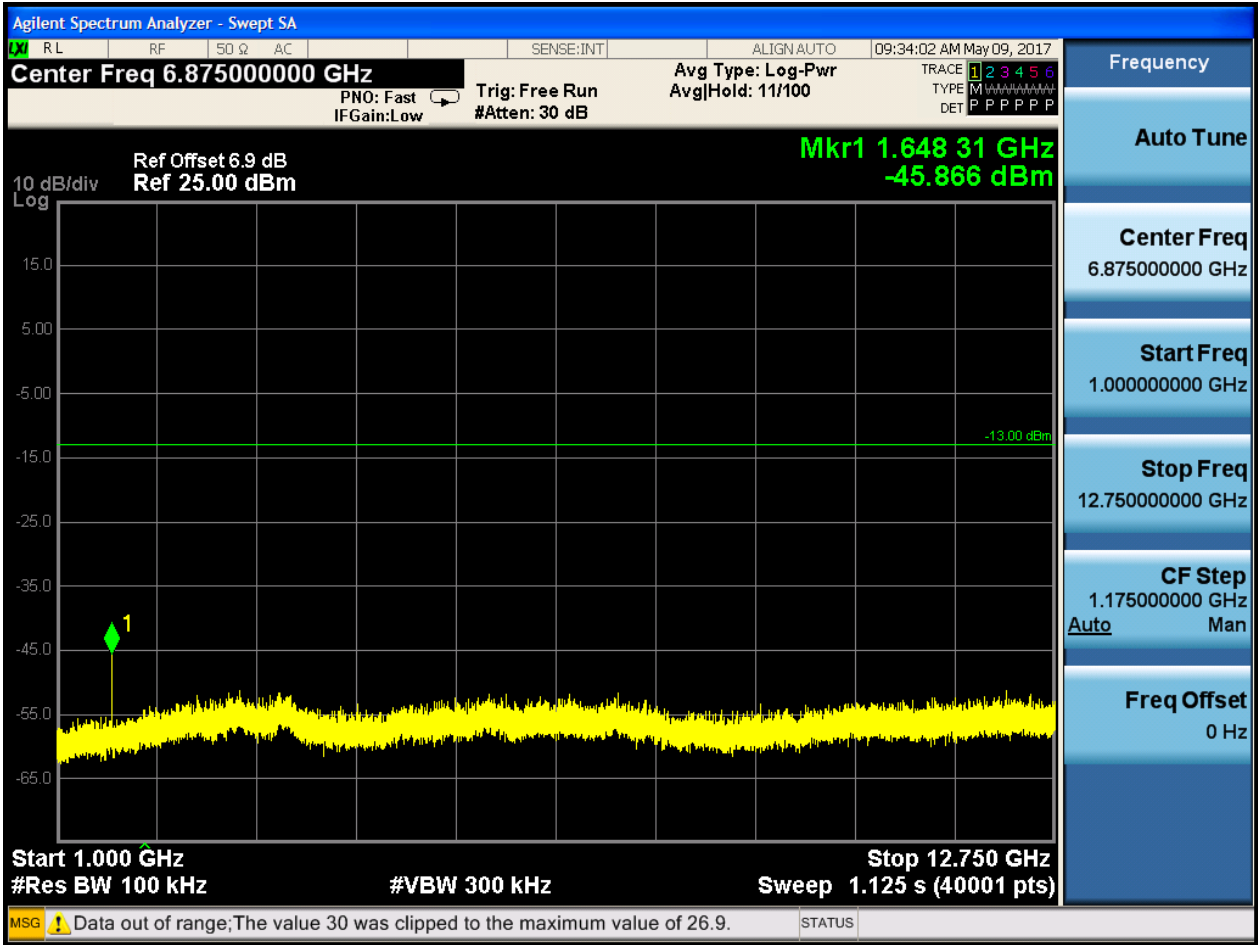
6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0







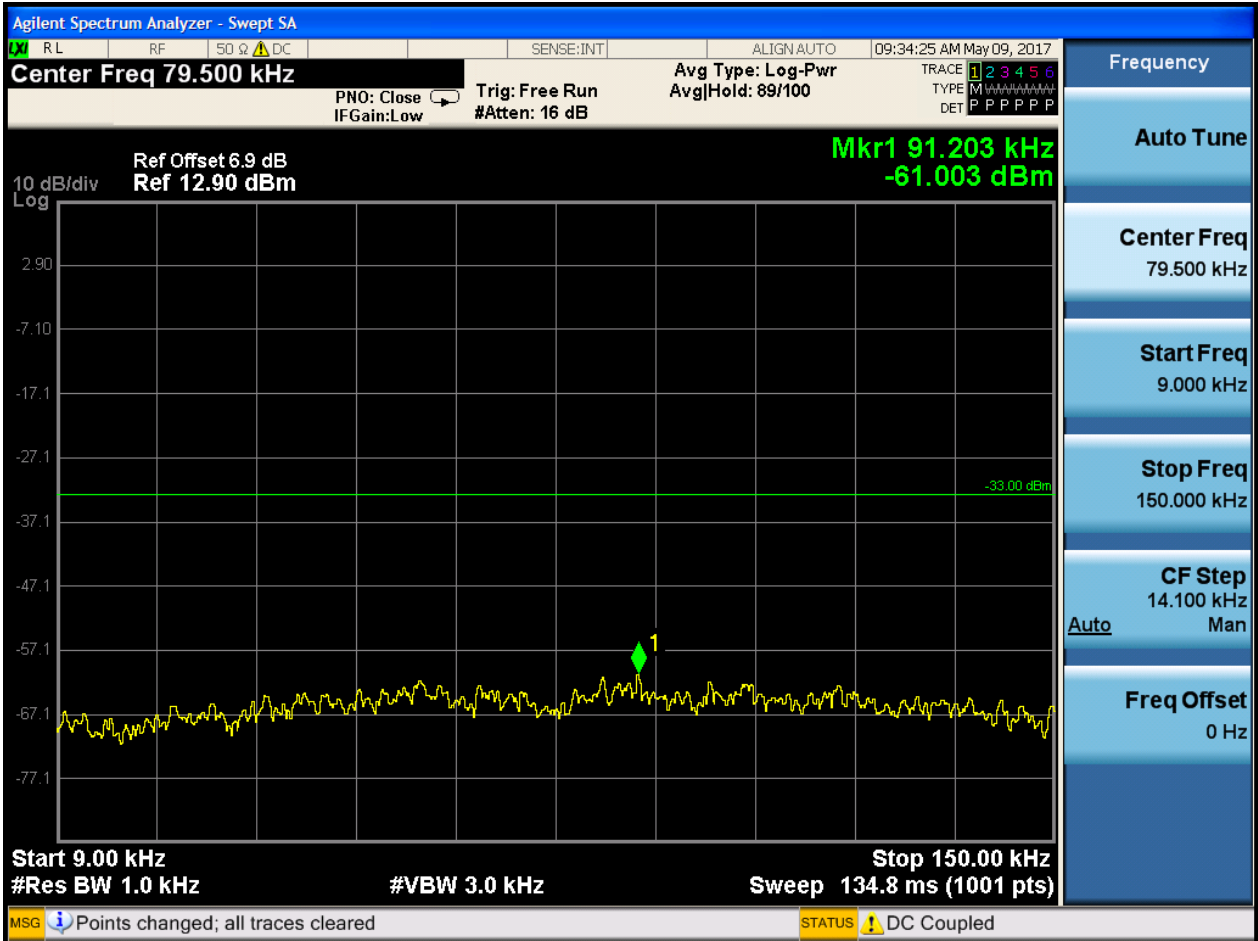




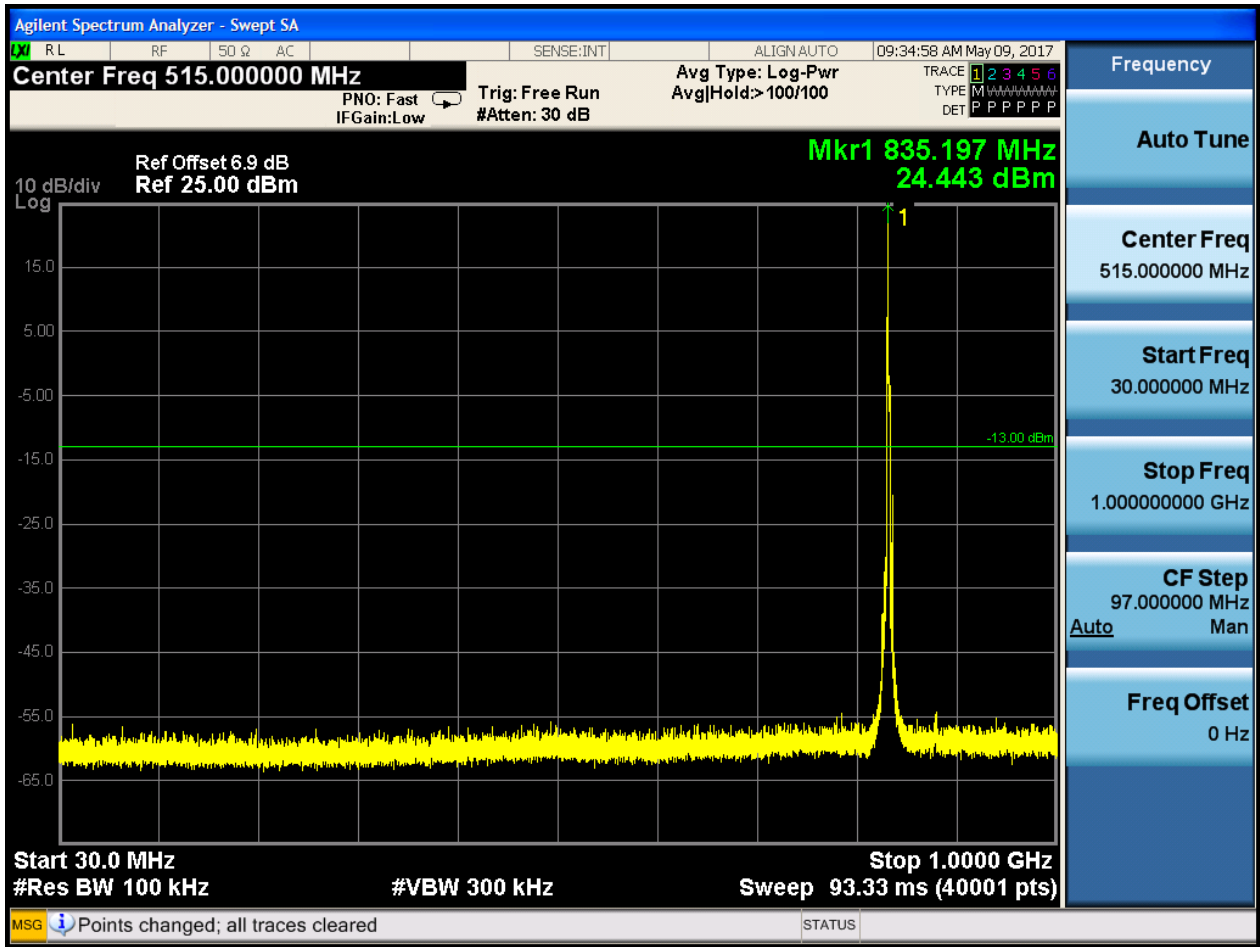


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





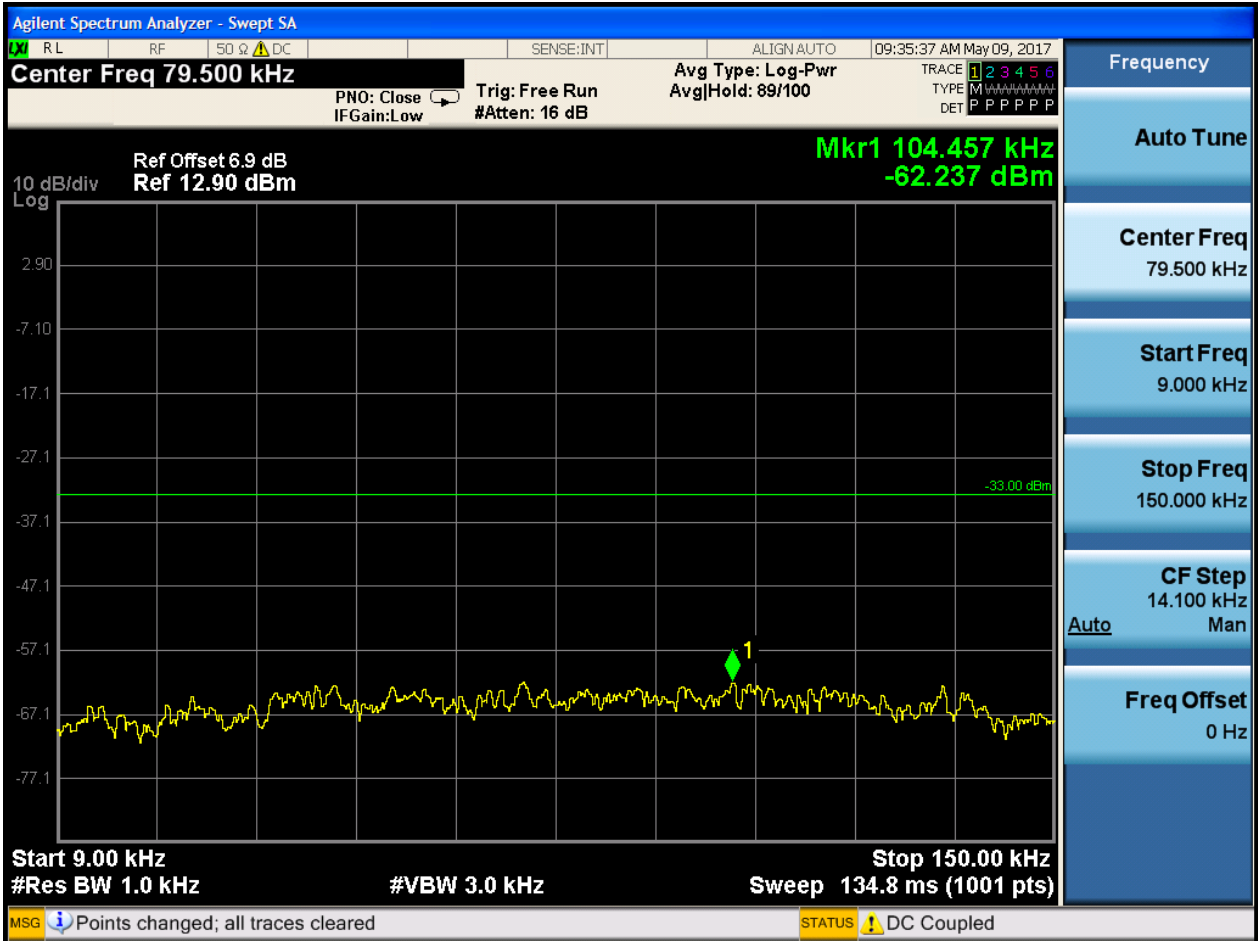






6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0









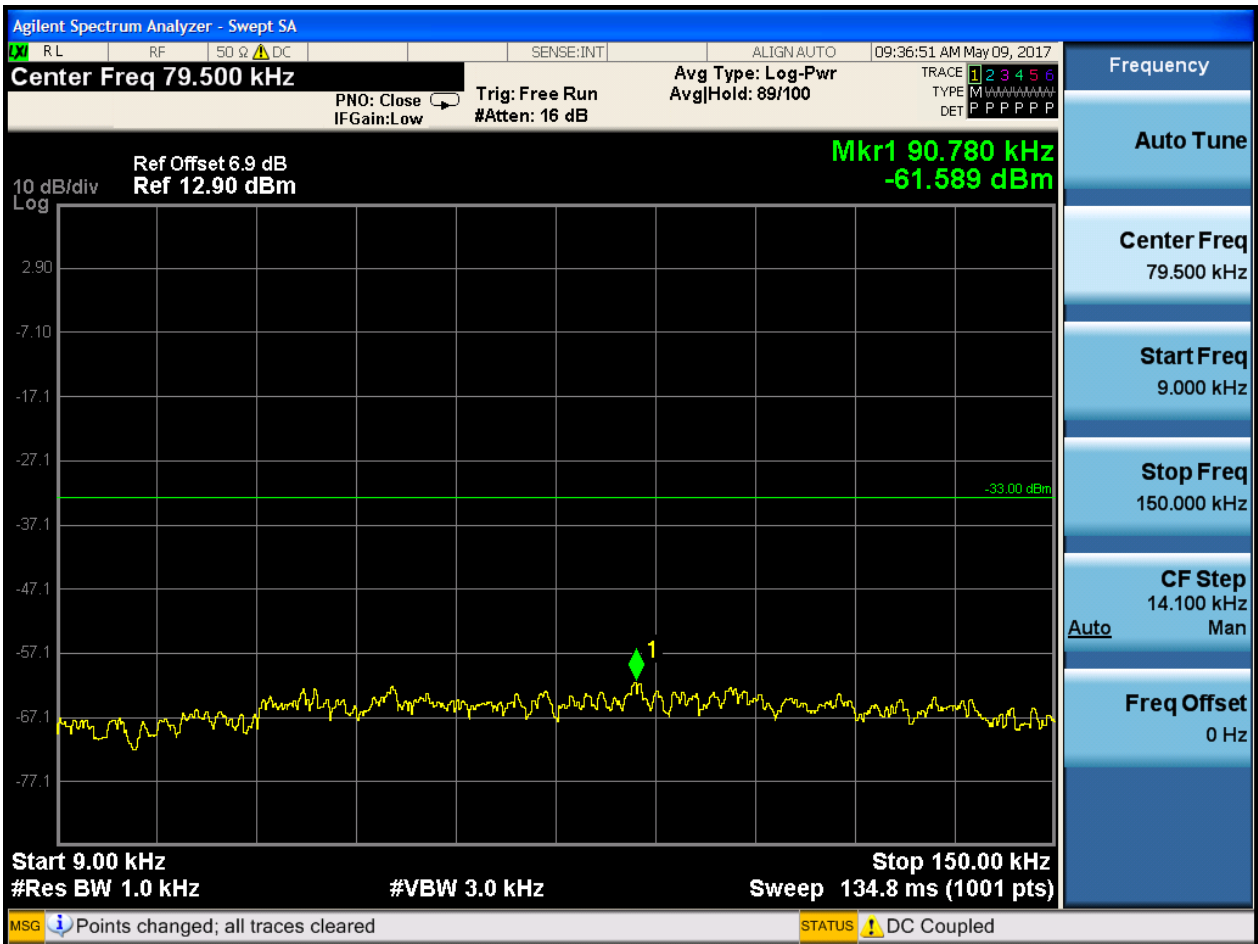




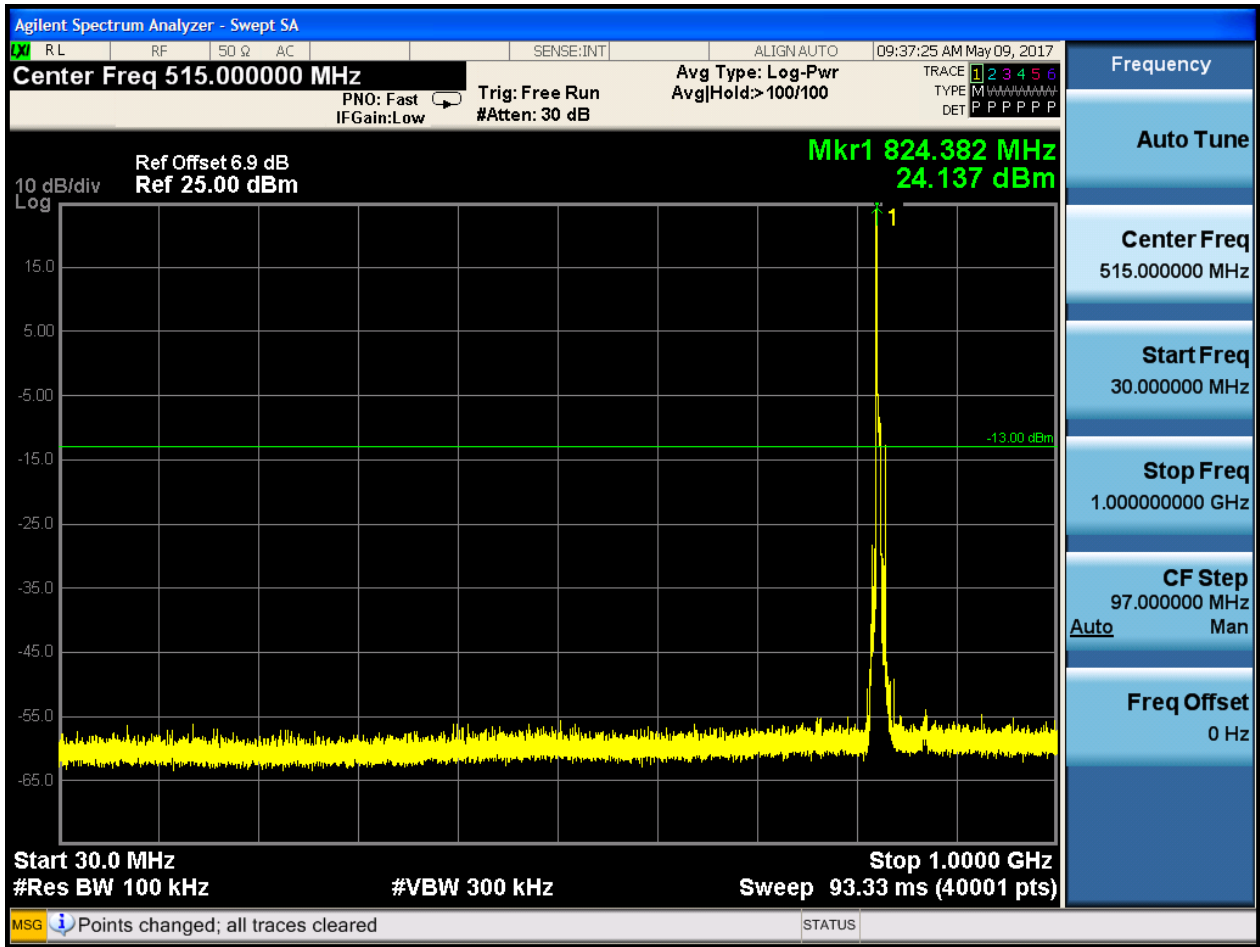
6.1.1.1.3 Test Bandwidth = 5

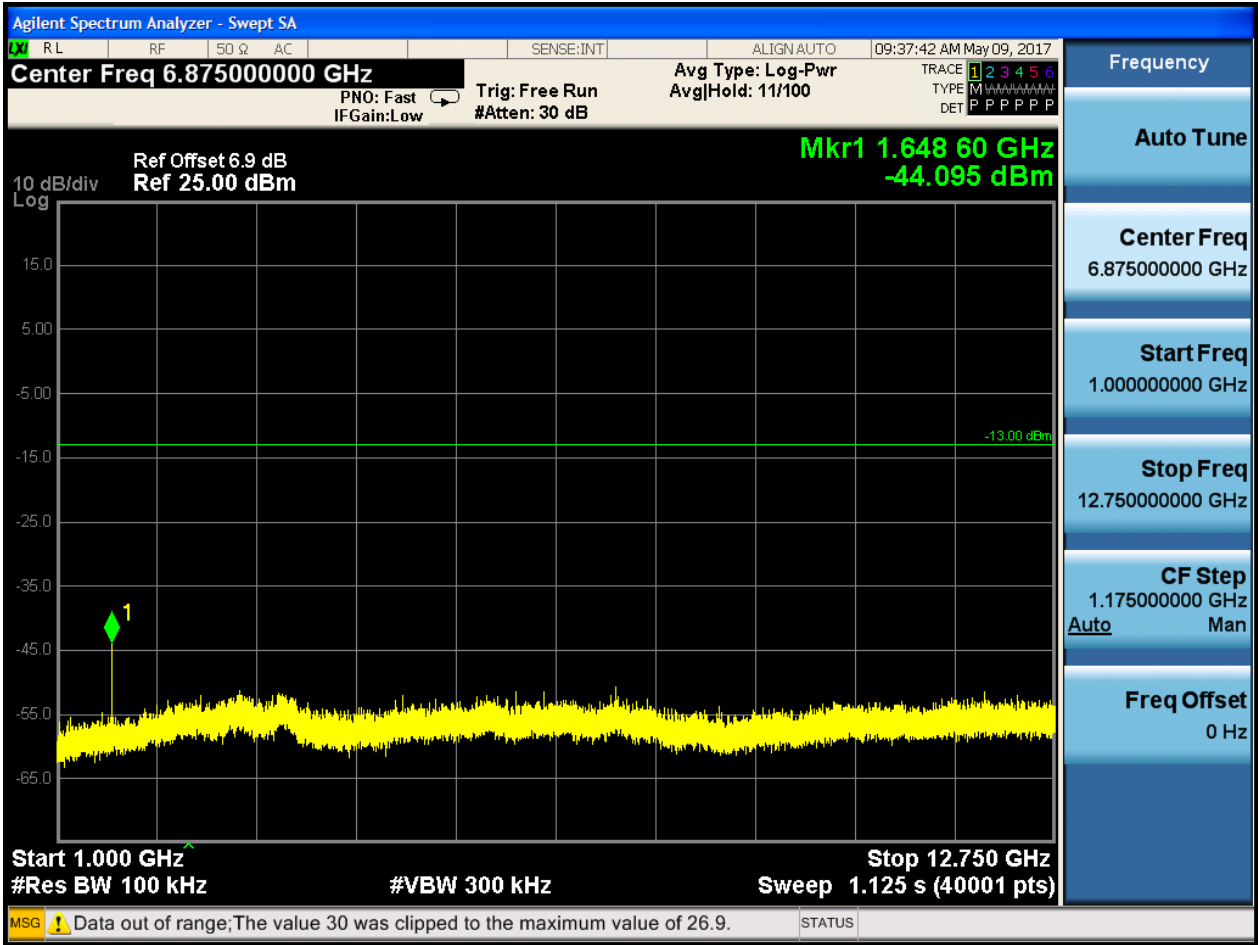
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





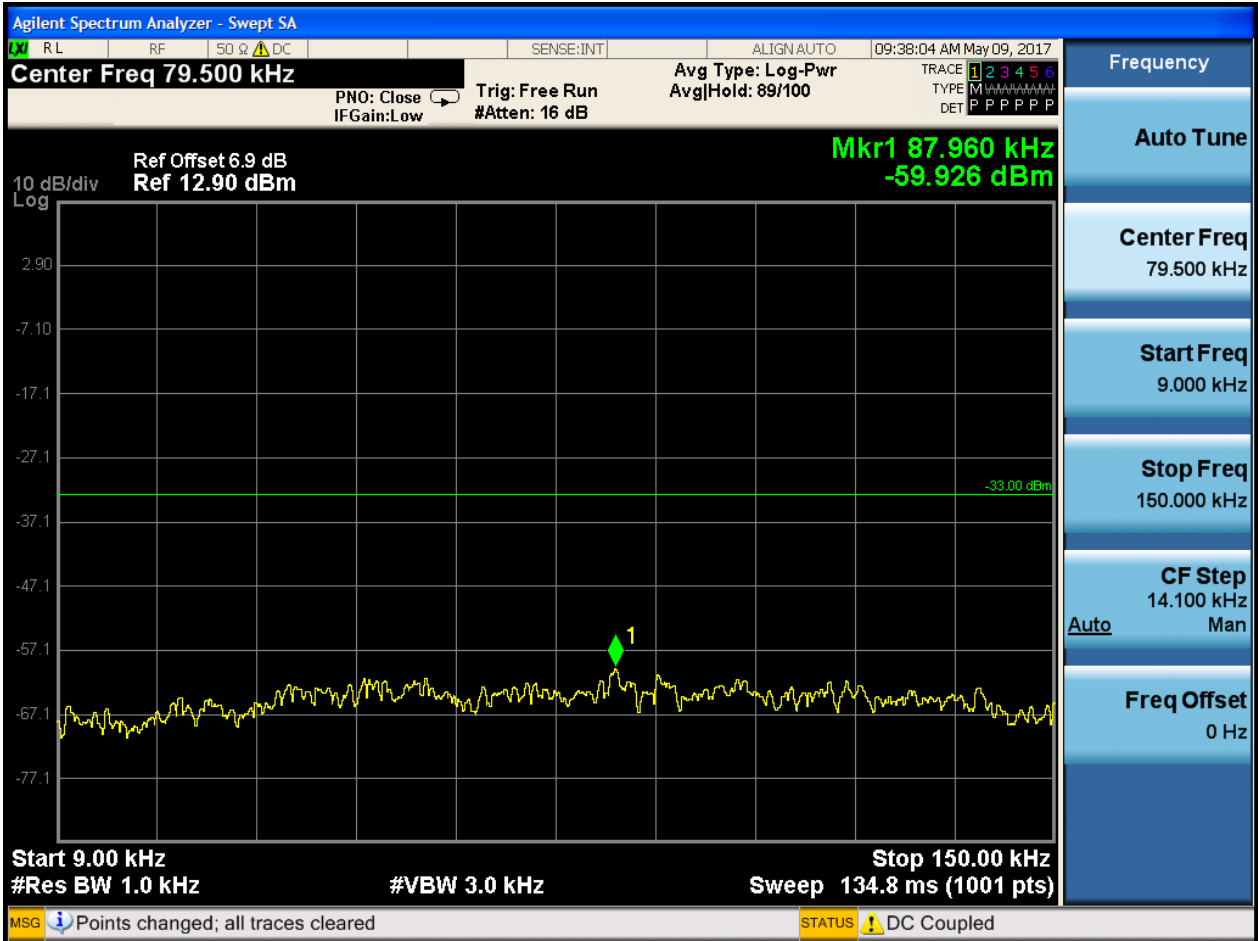


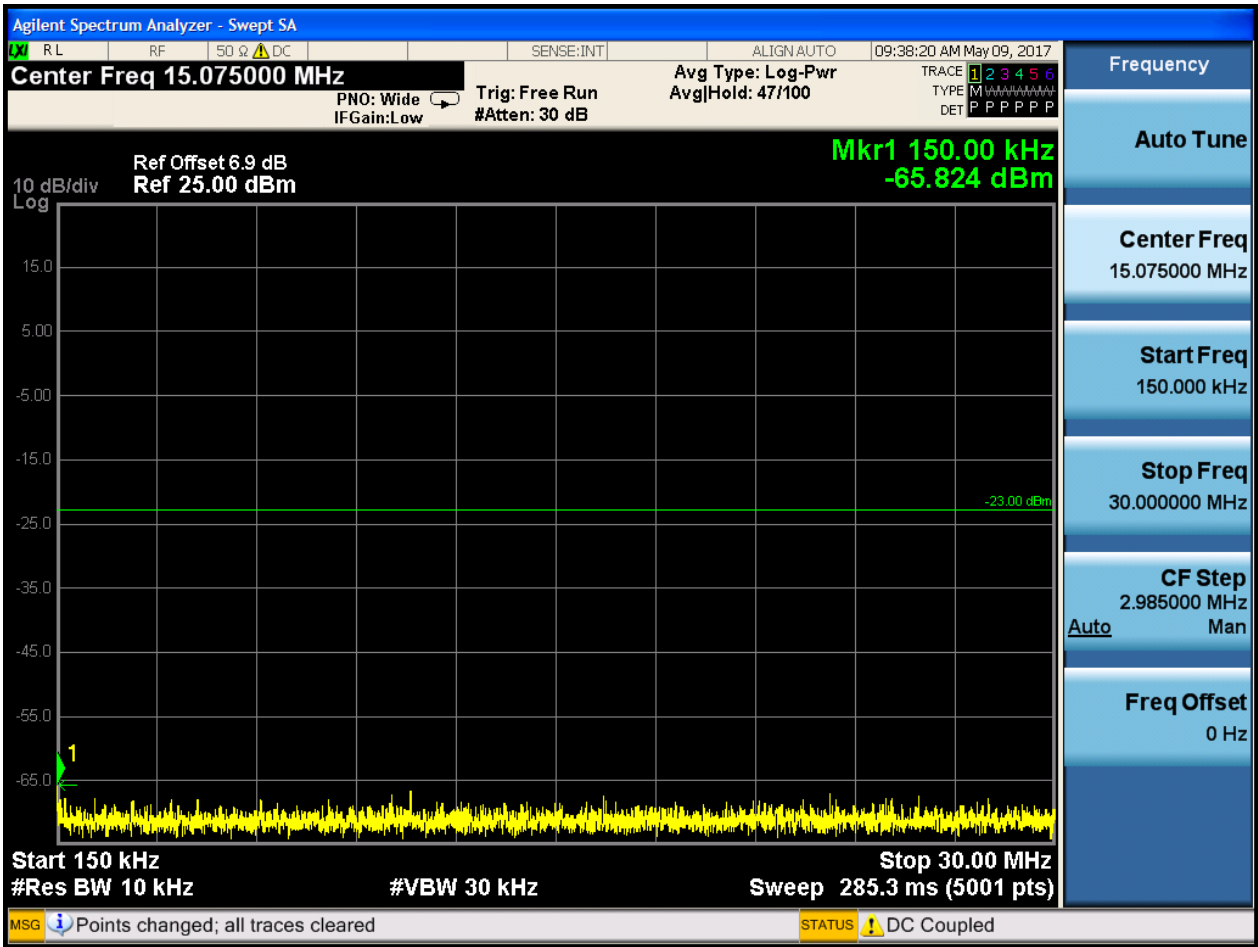


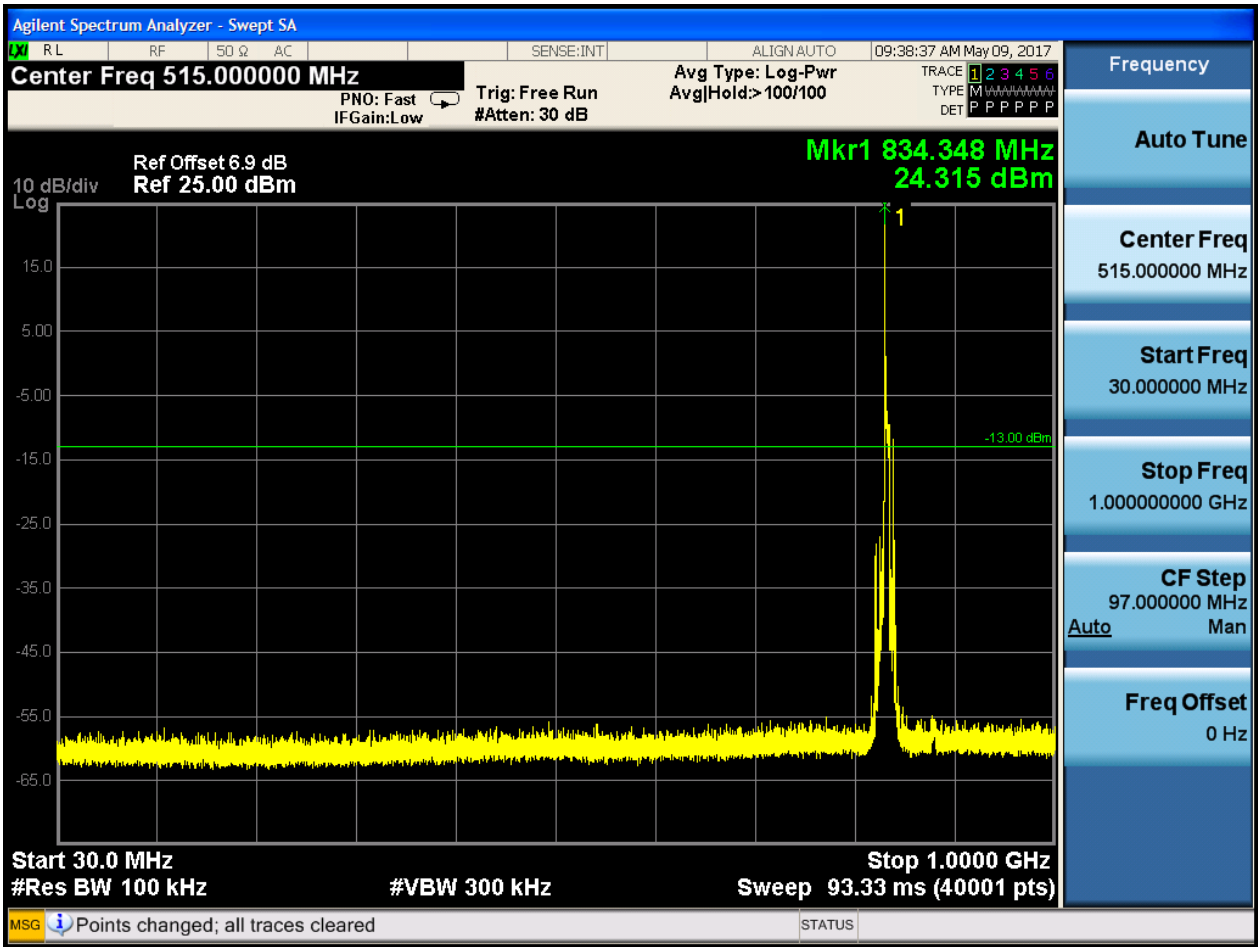


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0







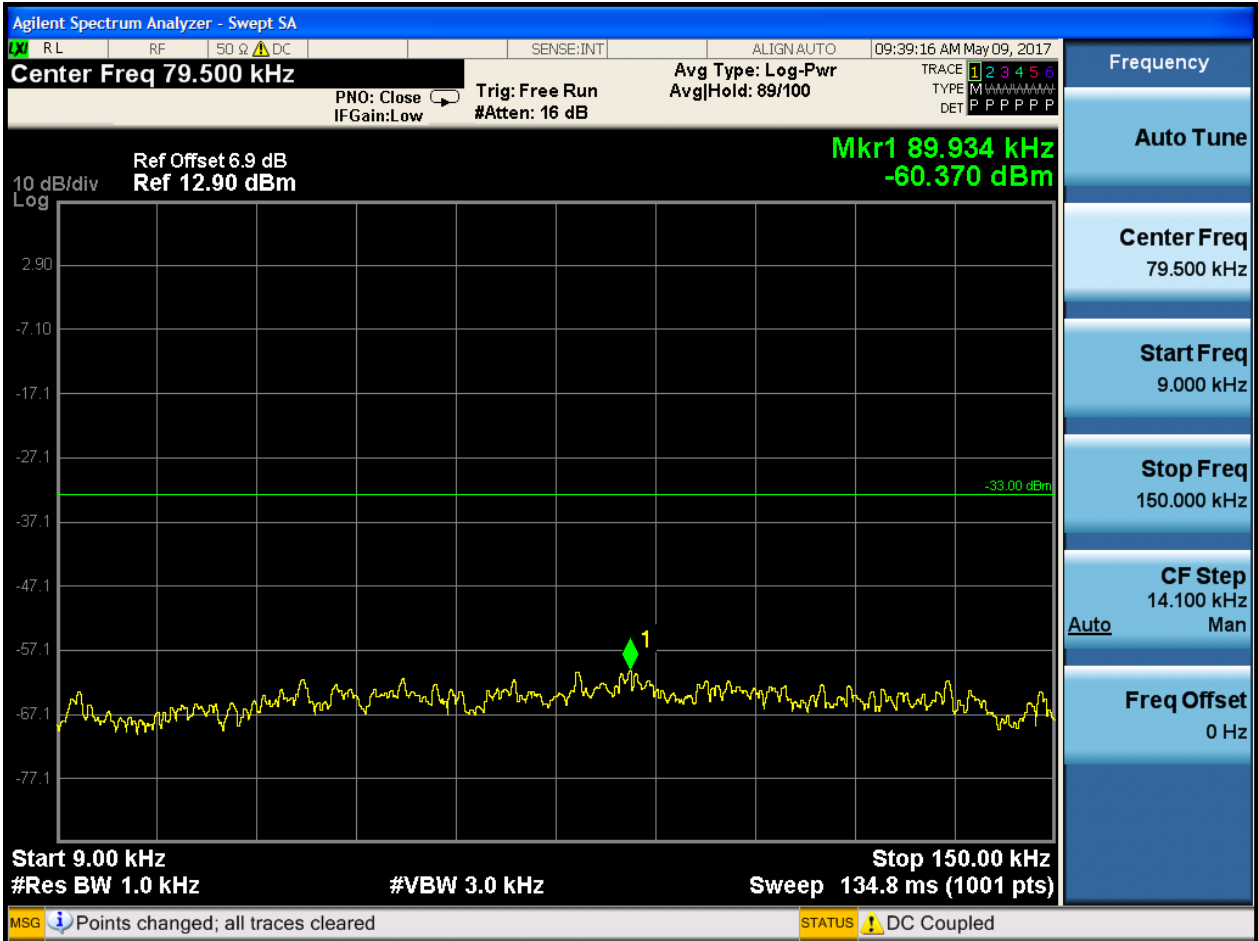


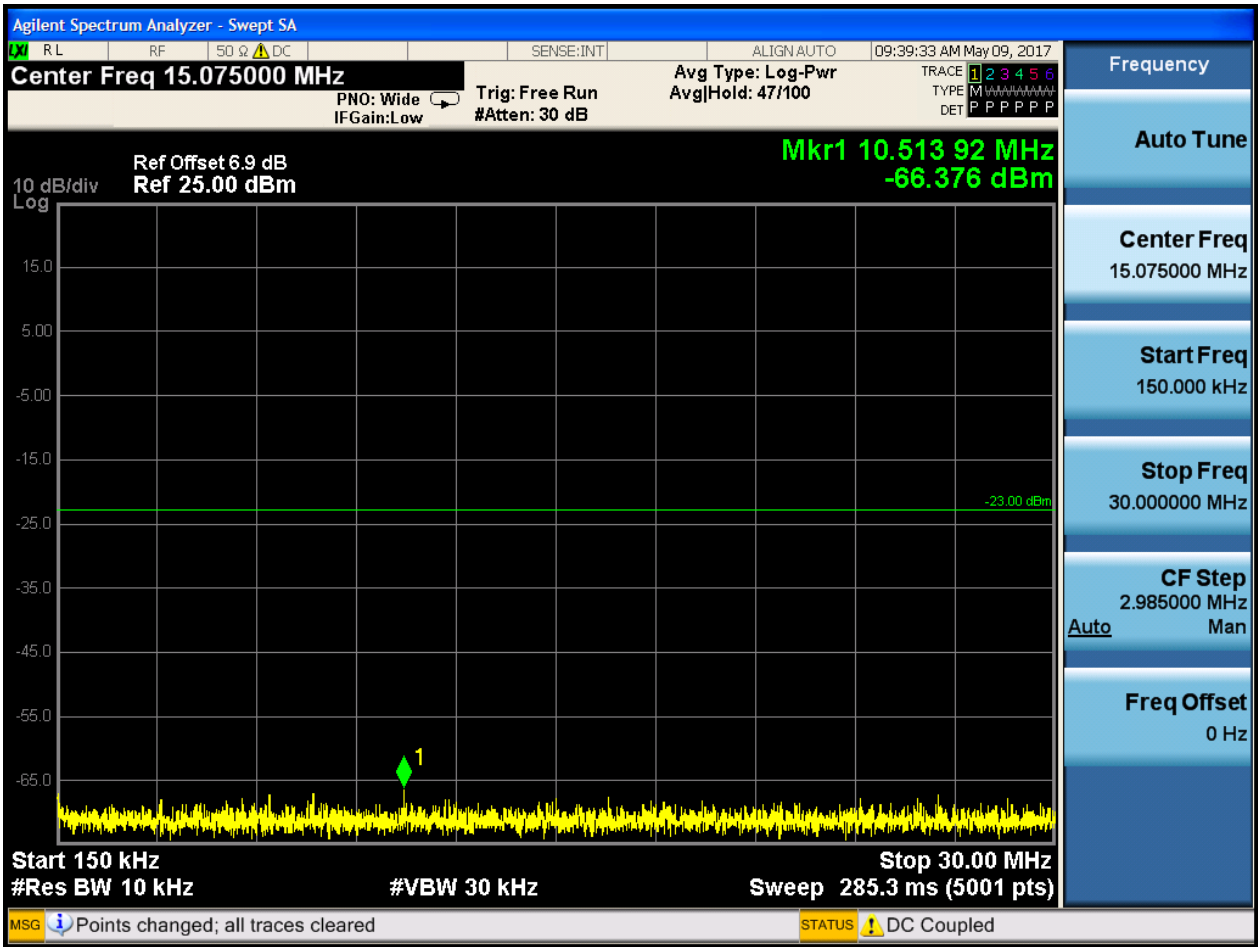


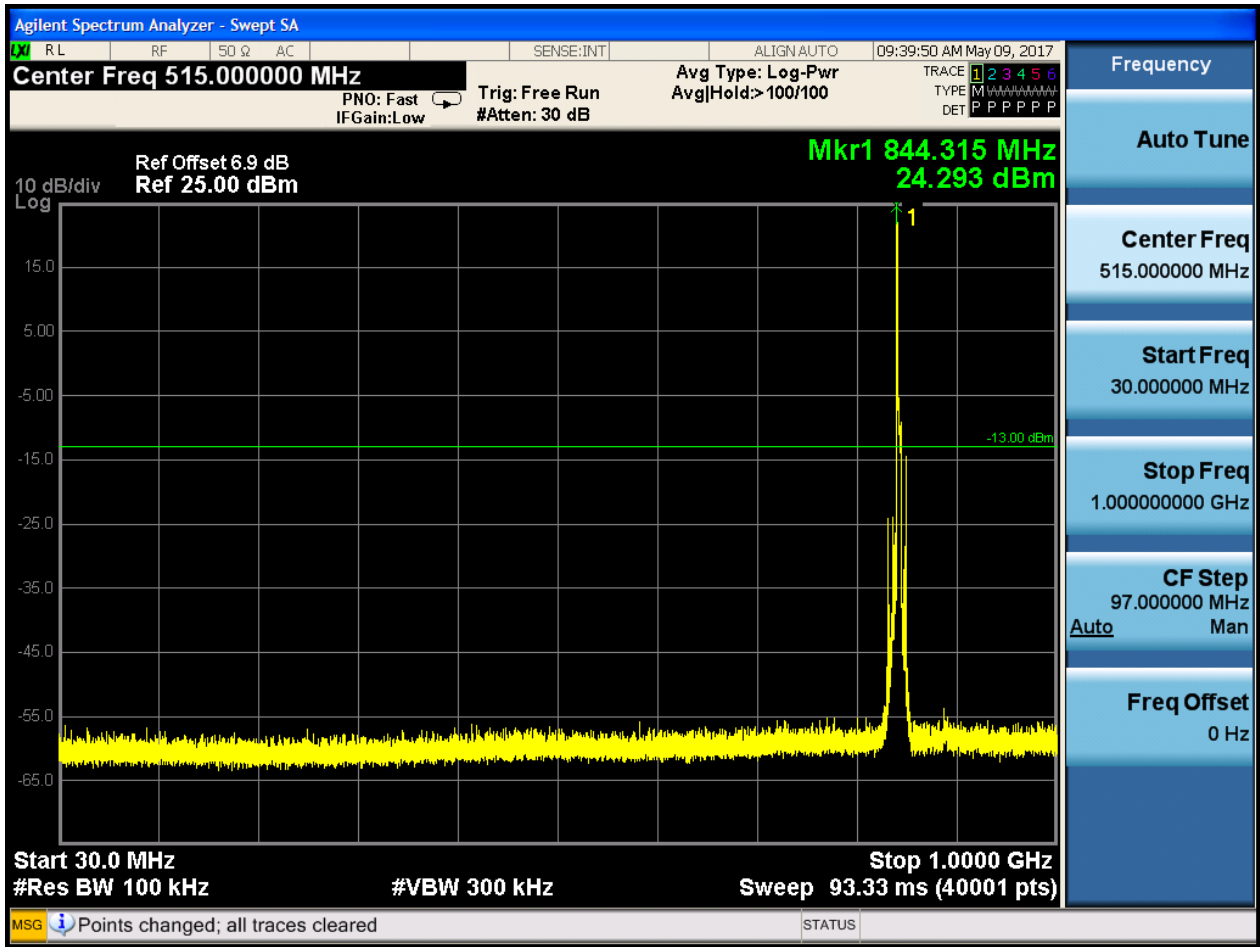


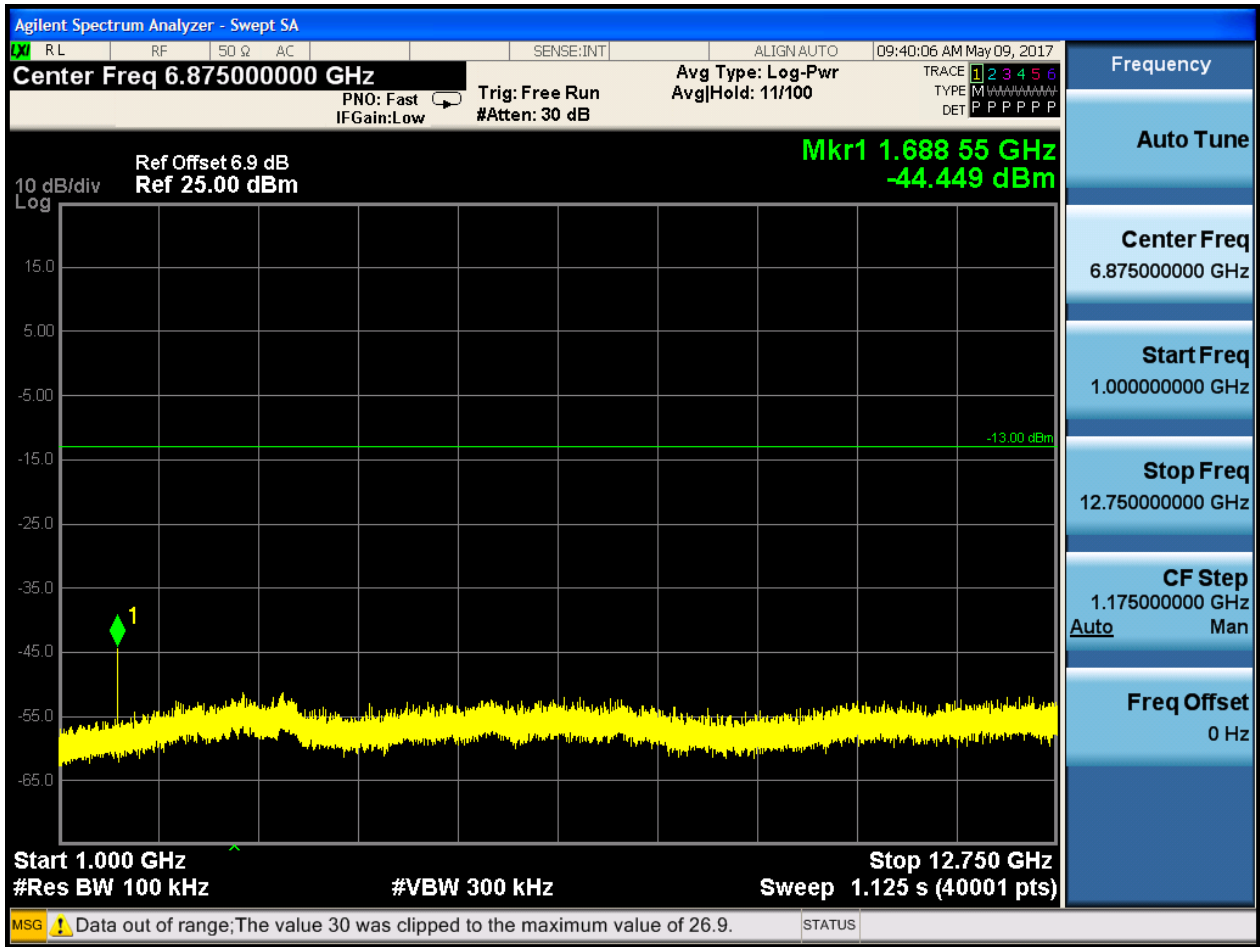
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







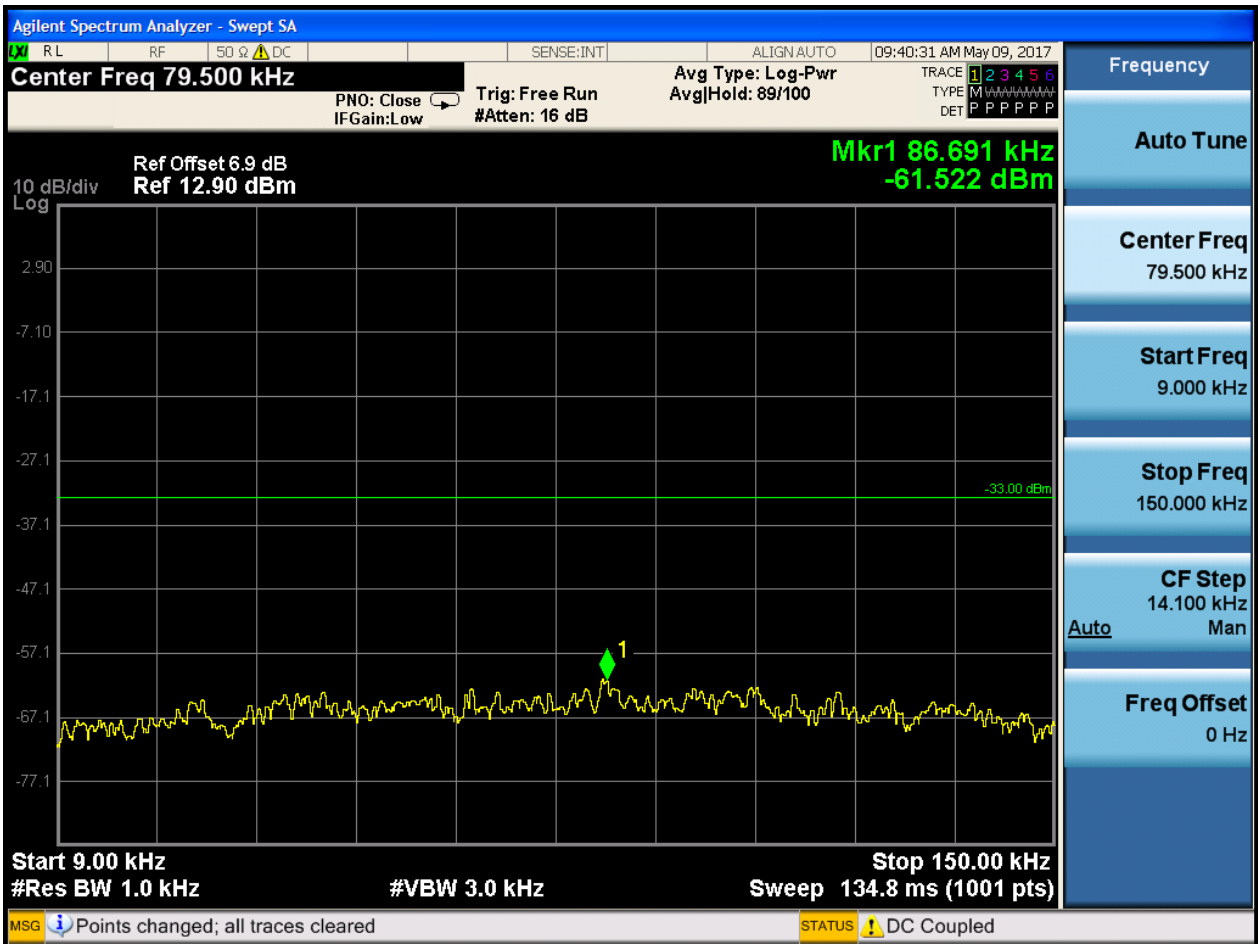


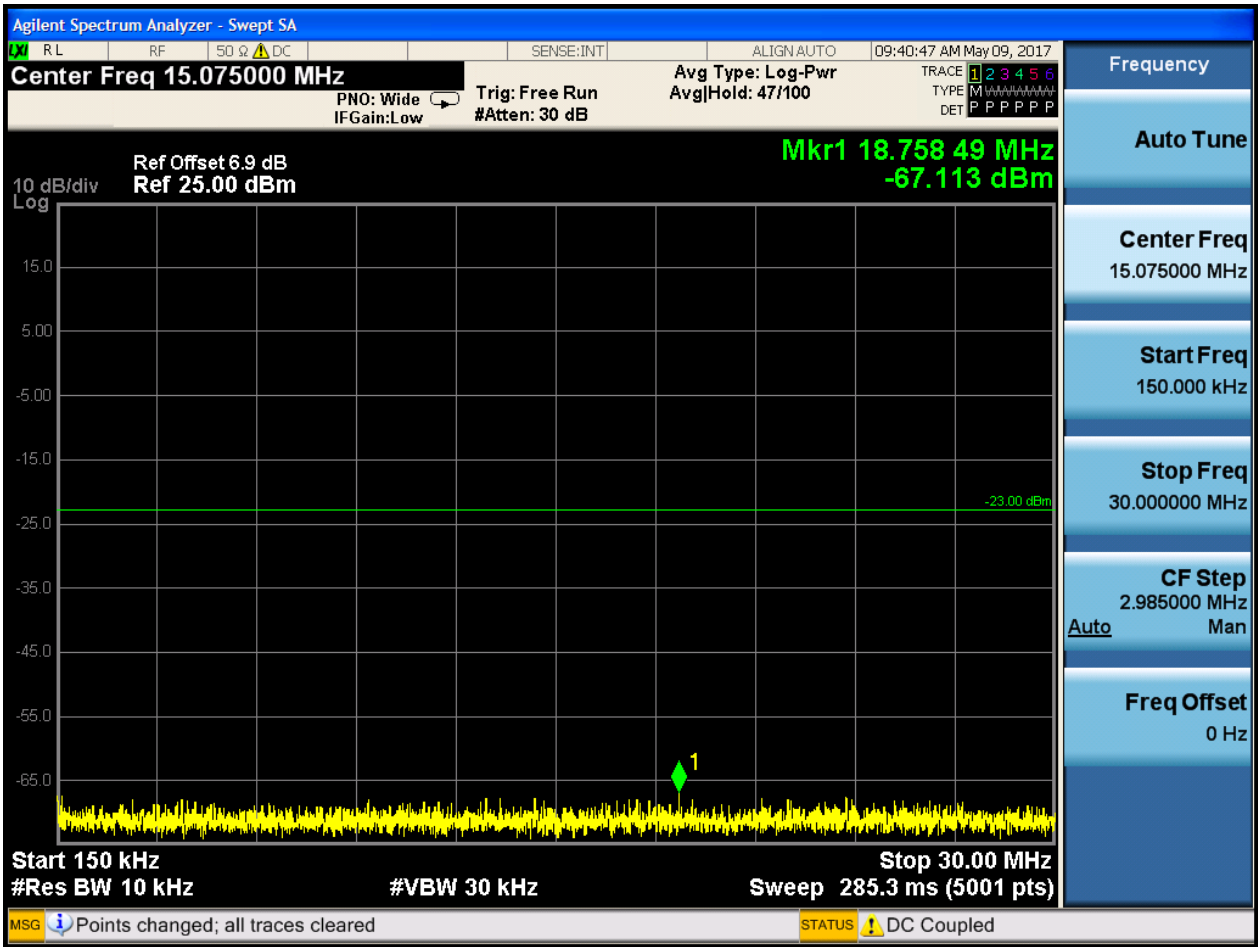


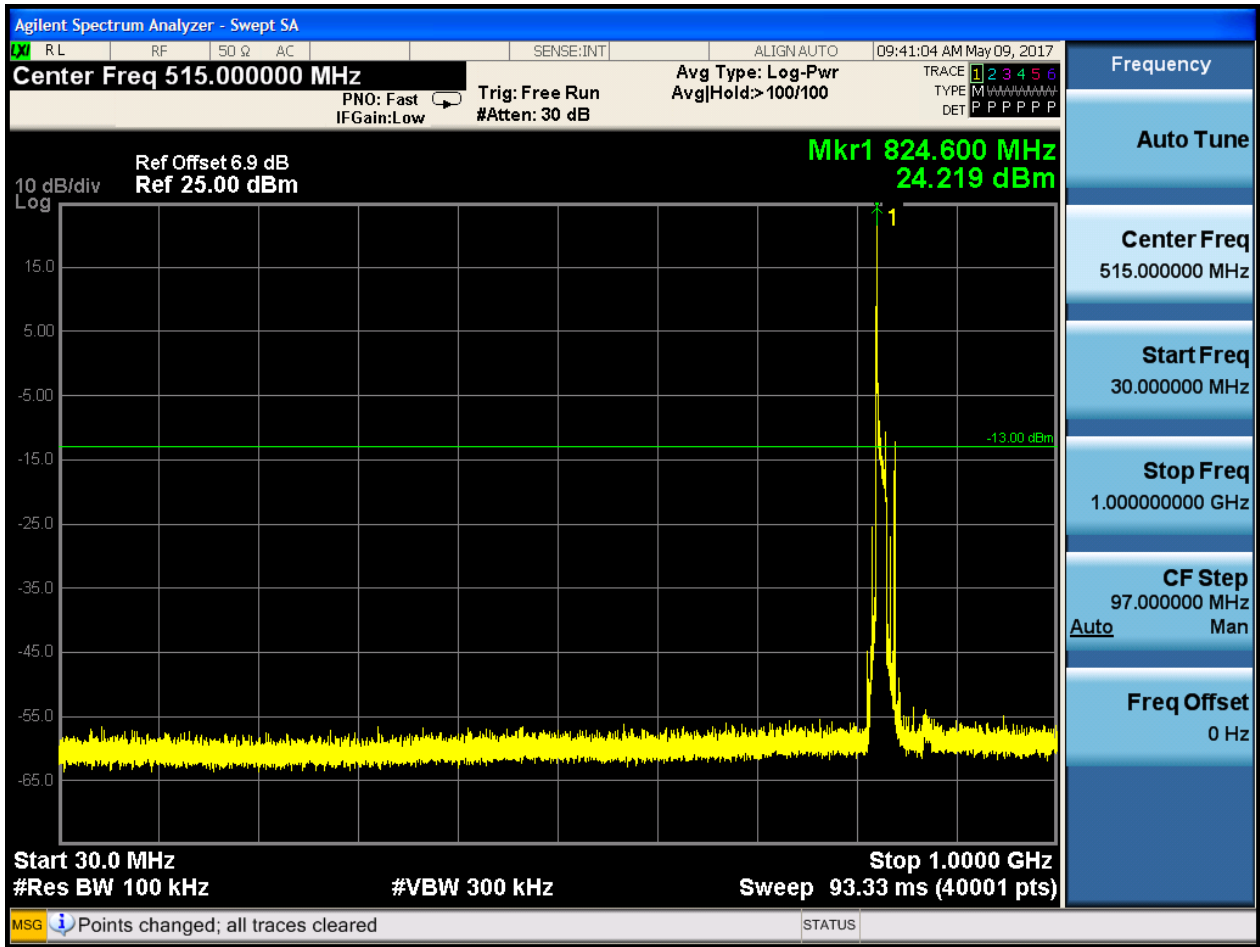
6.1.1.1.4 Test Bandwidth = 10

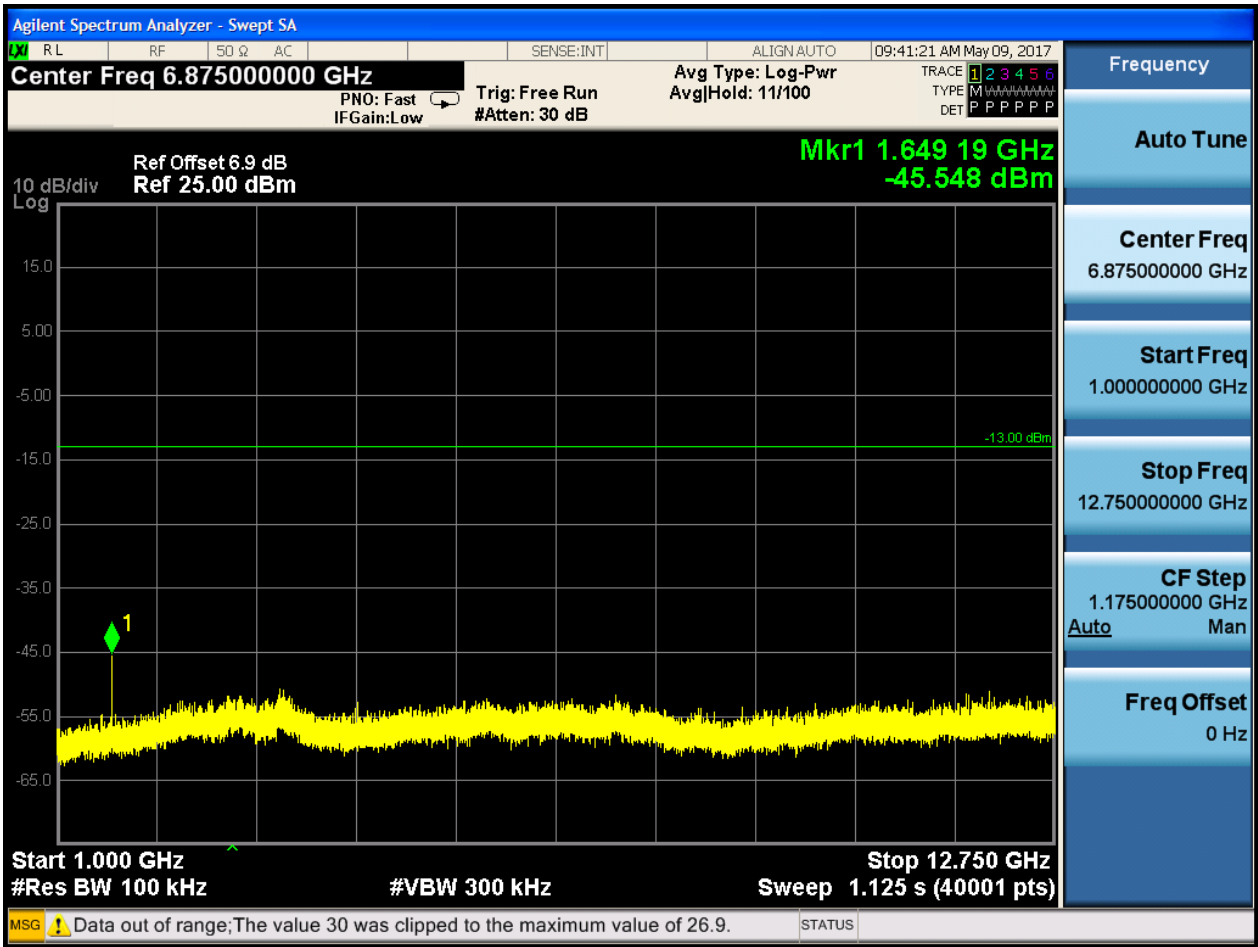
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0







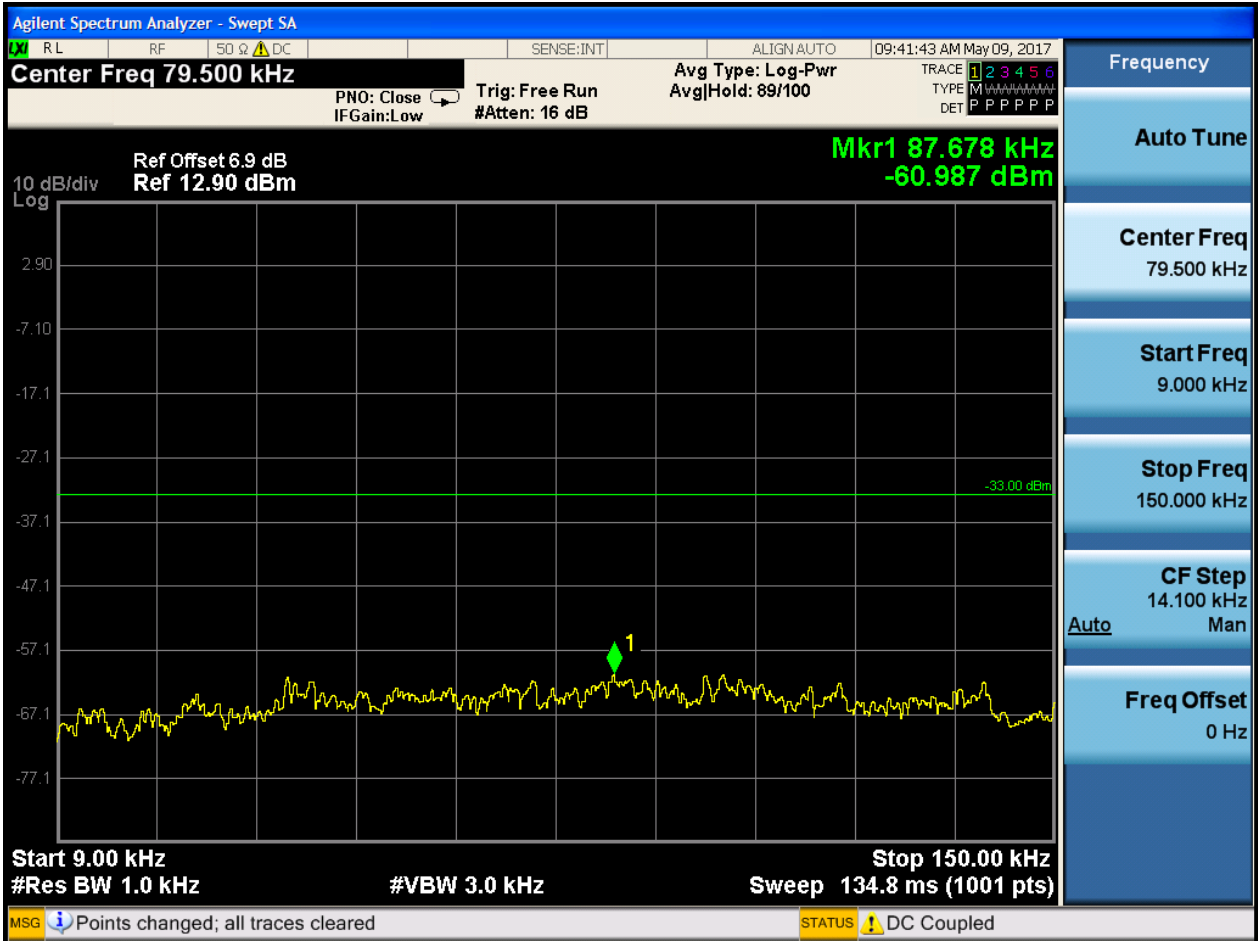


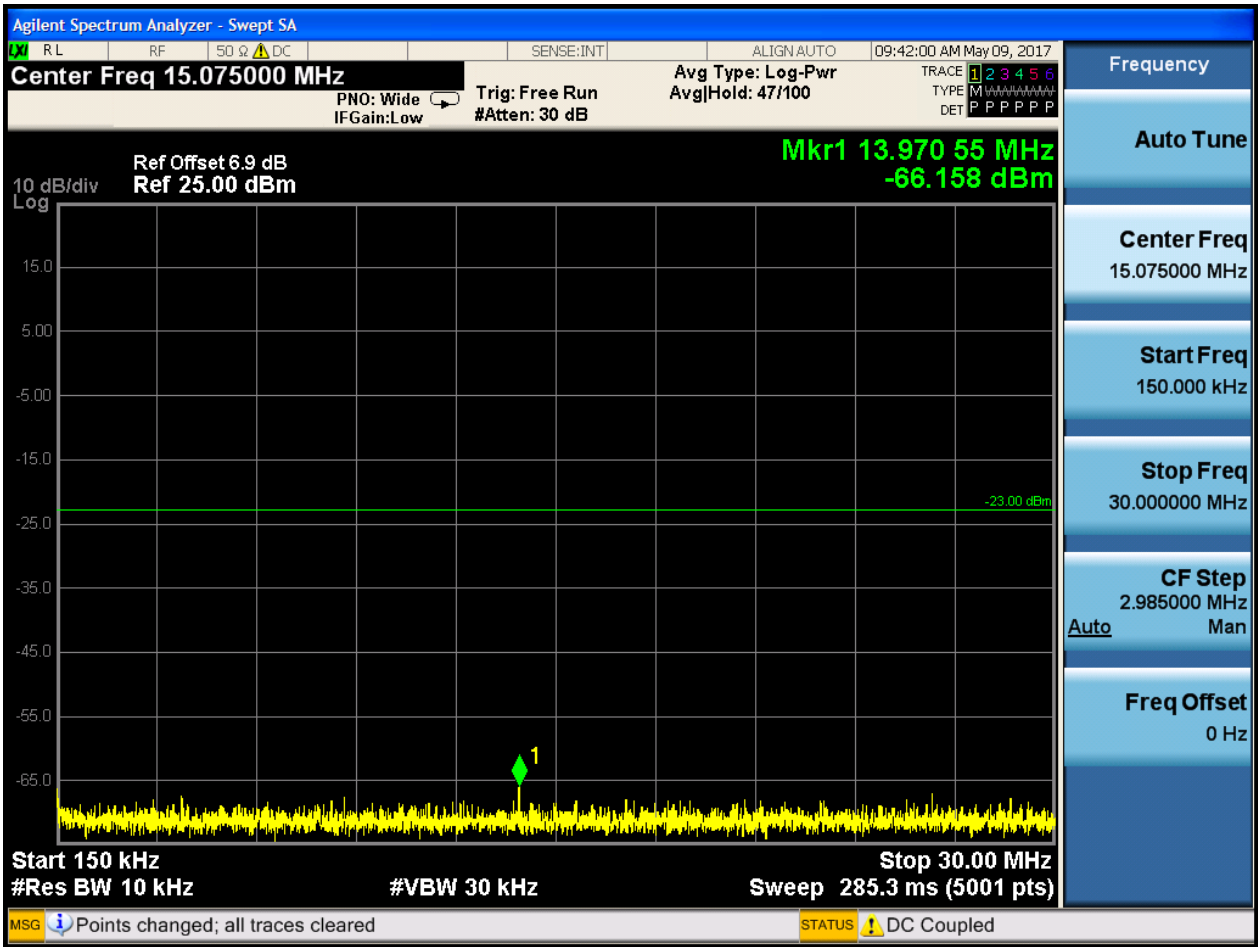


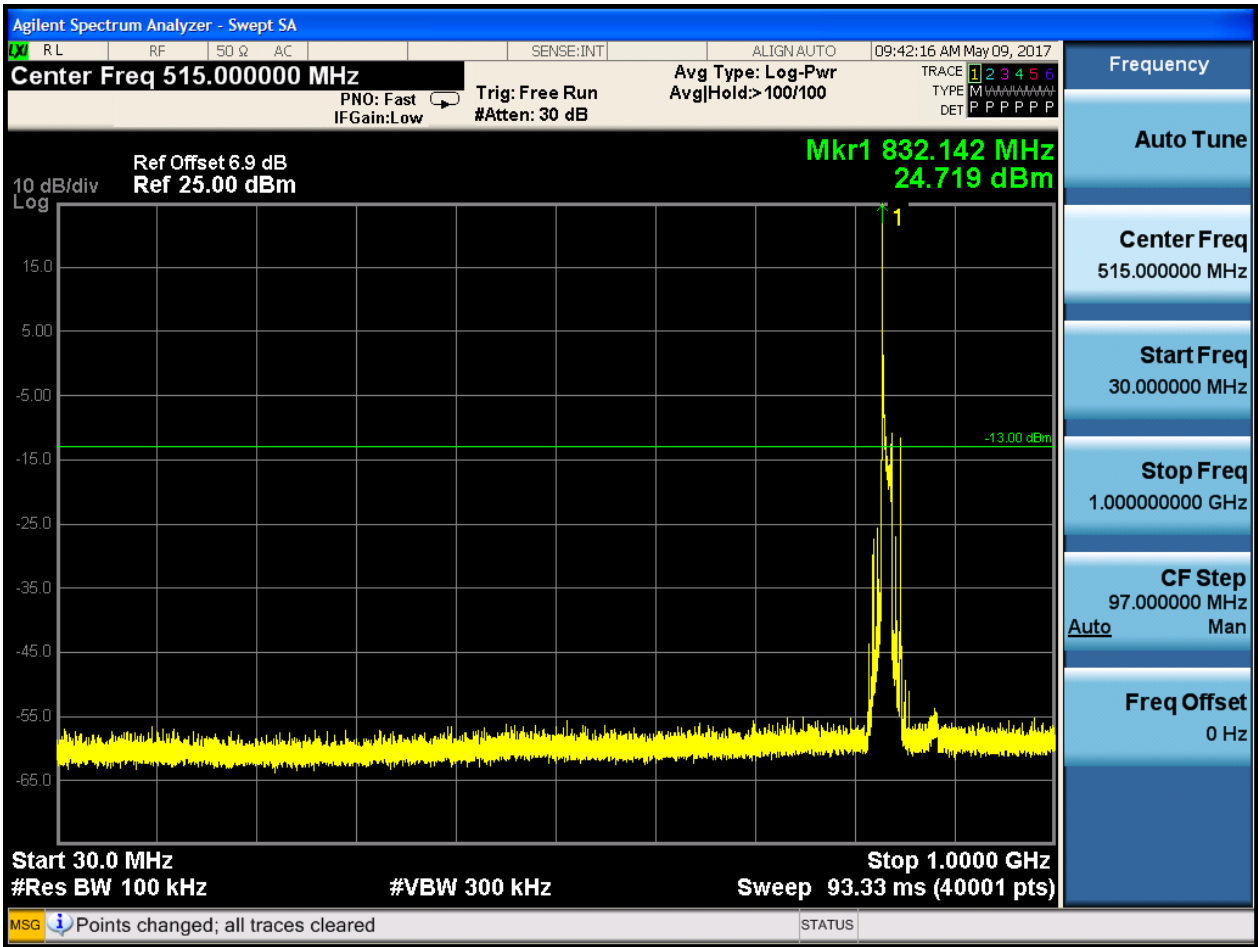


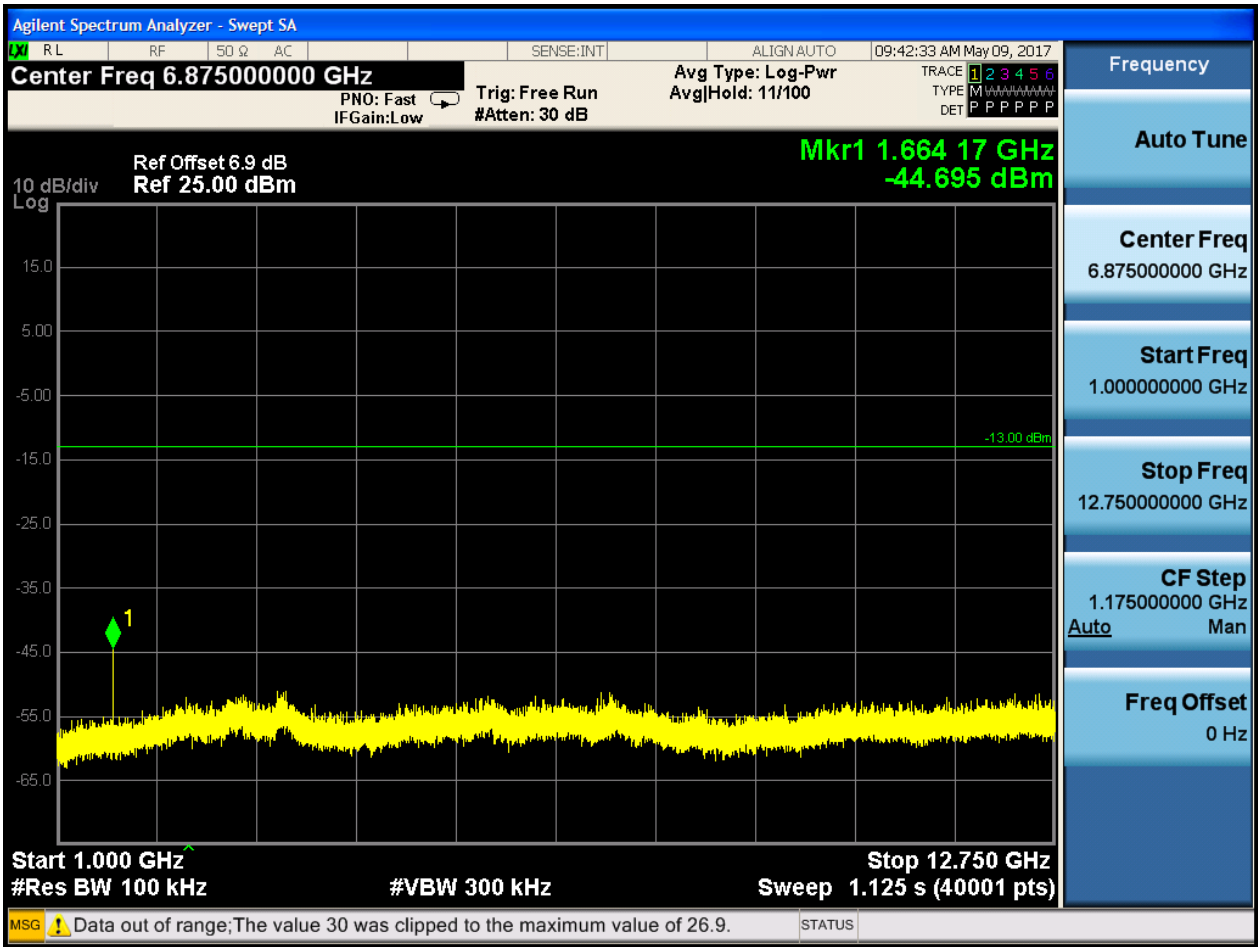
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



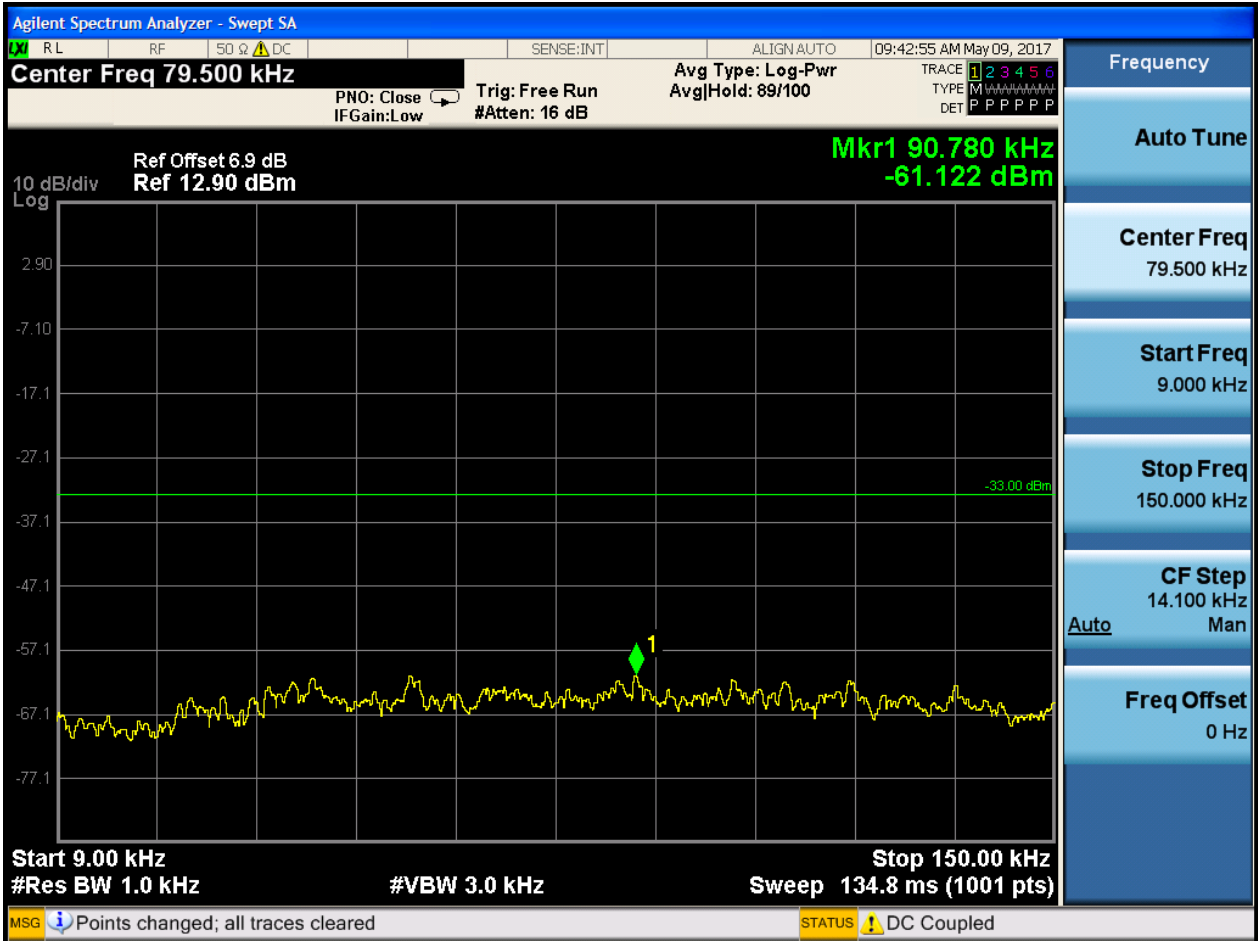




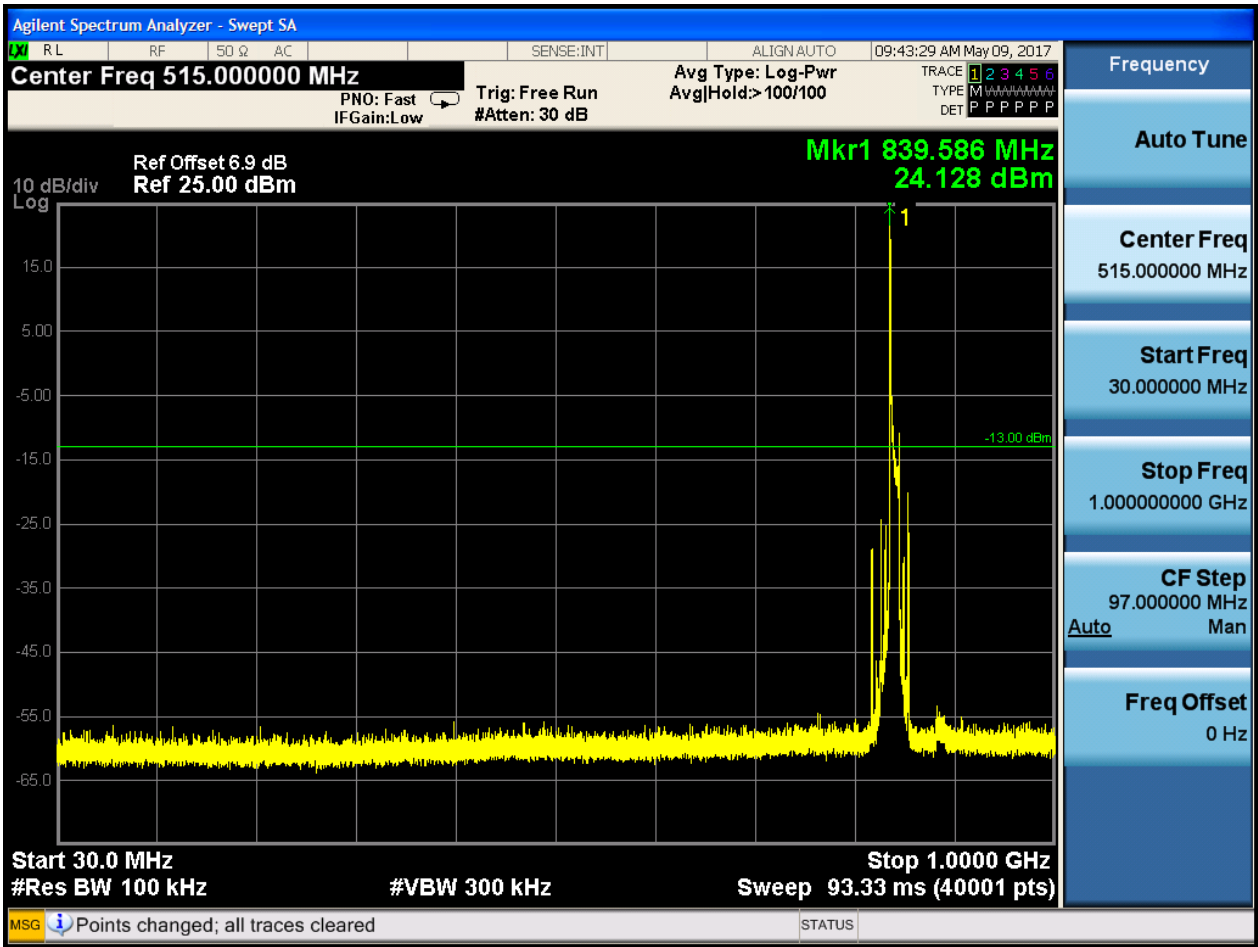


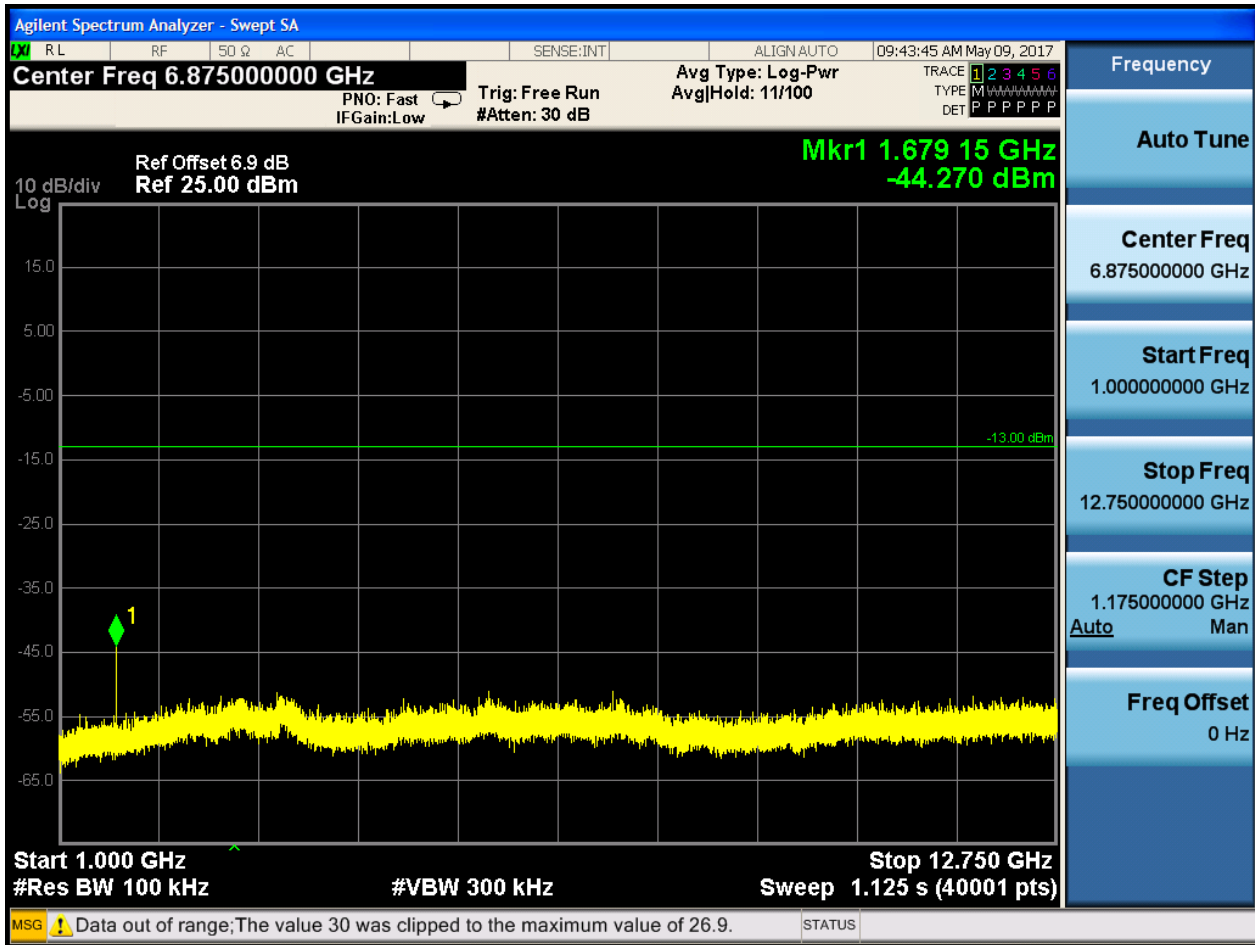
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0











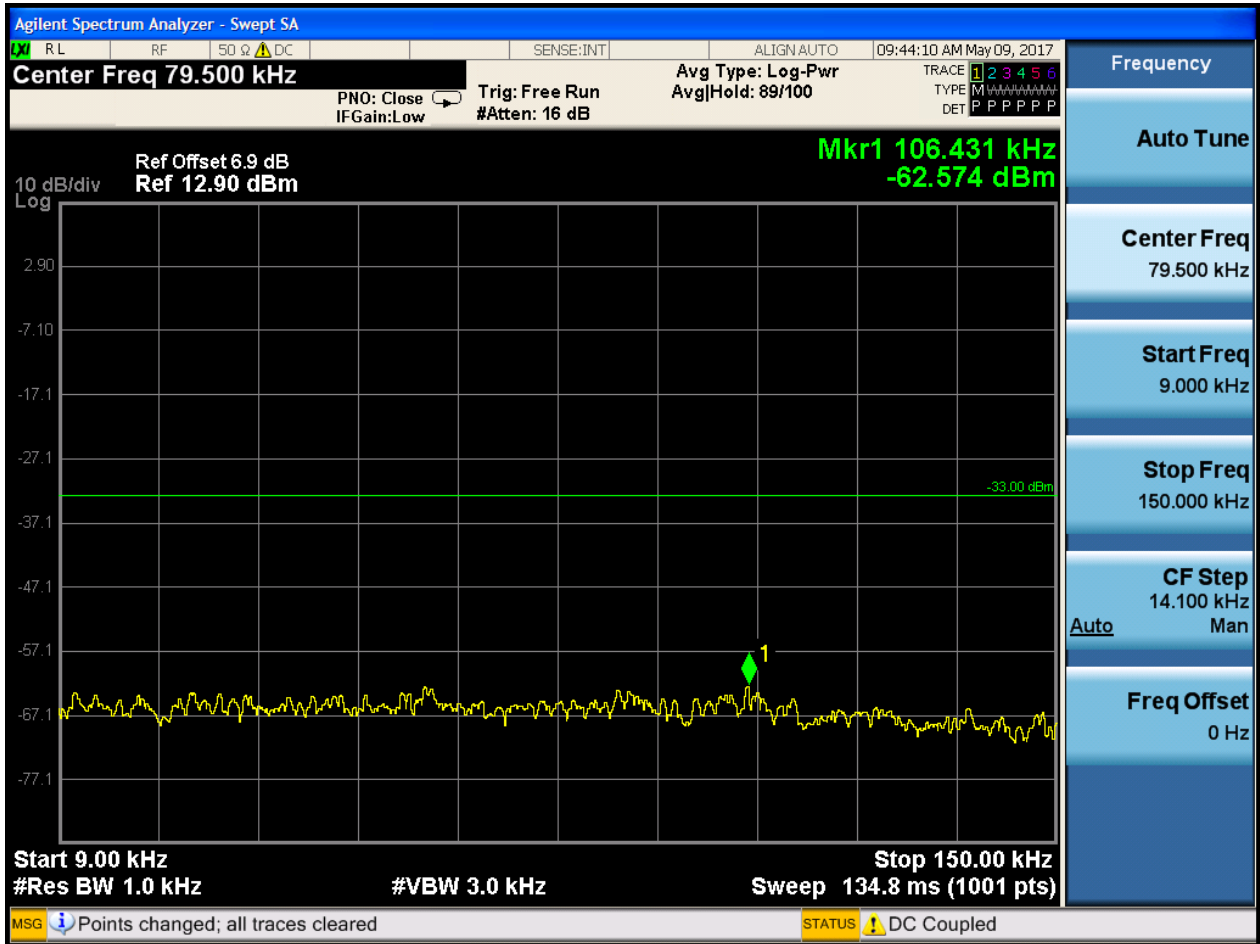


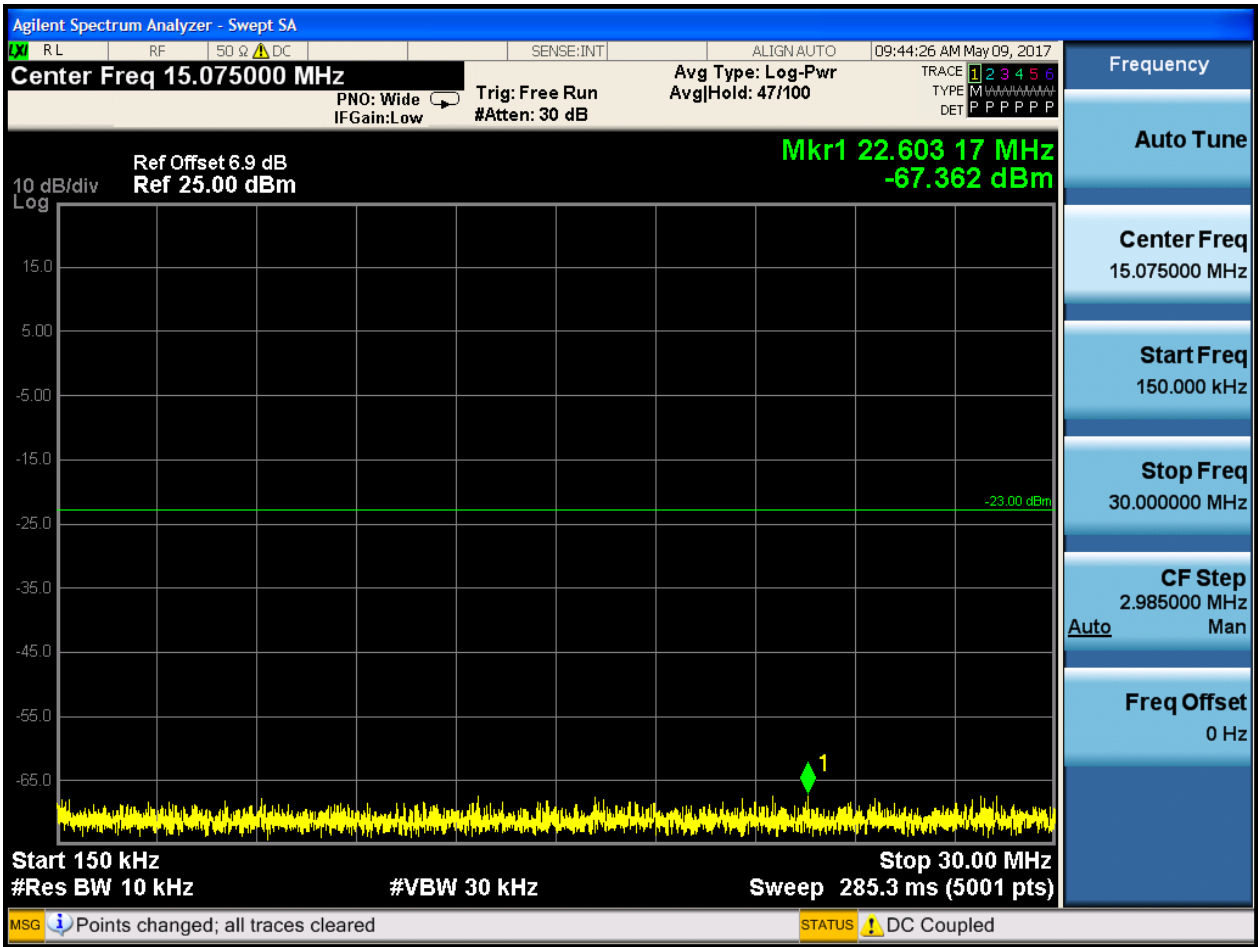
6.1.1.2 Test Mode = LTE/TM2

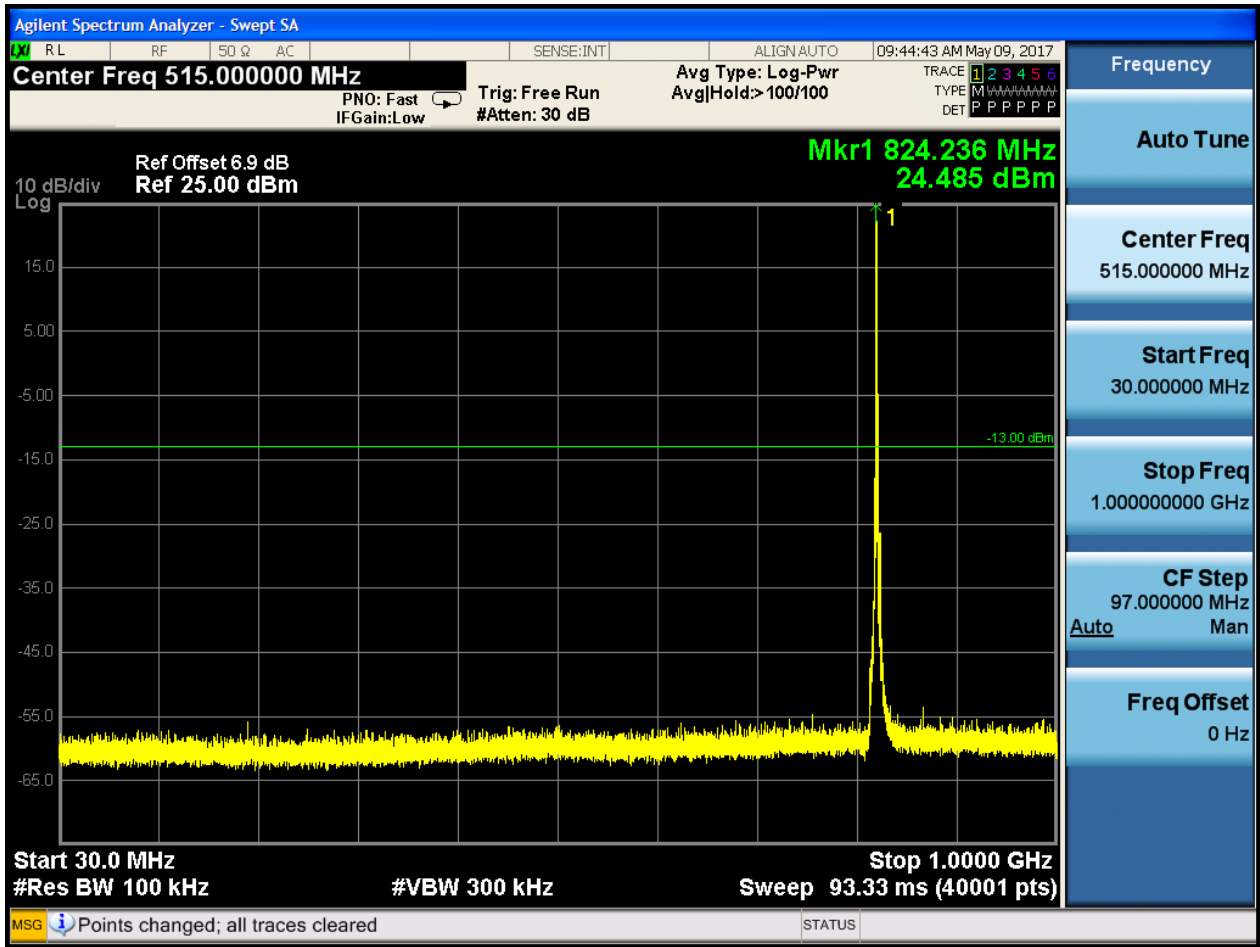
6.1.1.2.1 Test Bandwidth = 1.4

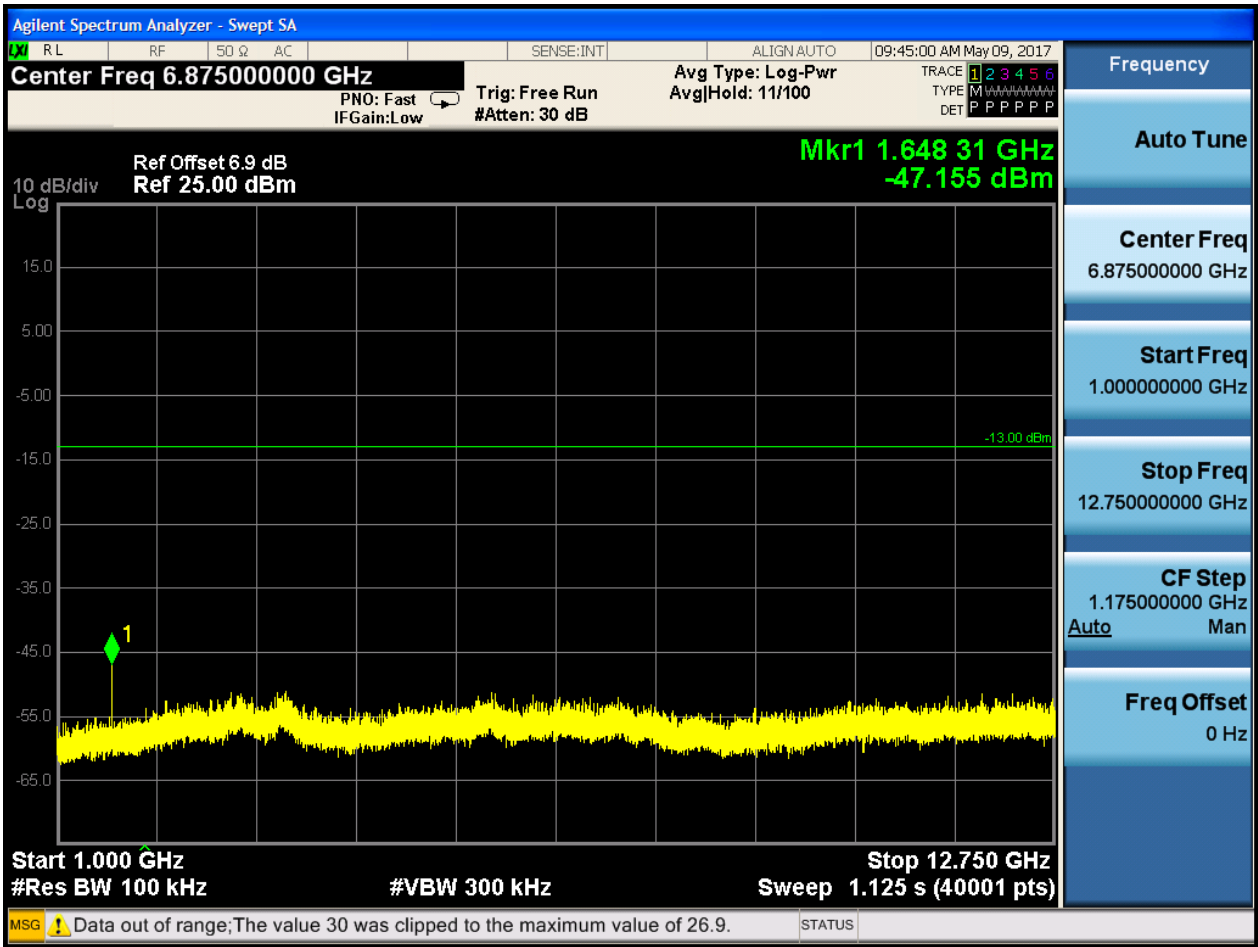
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





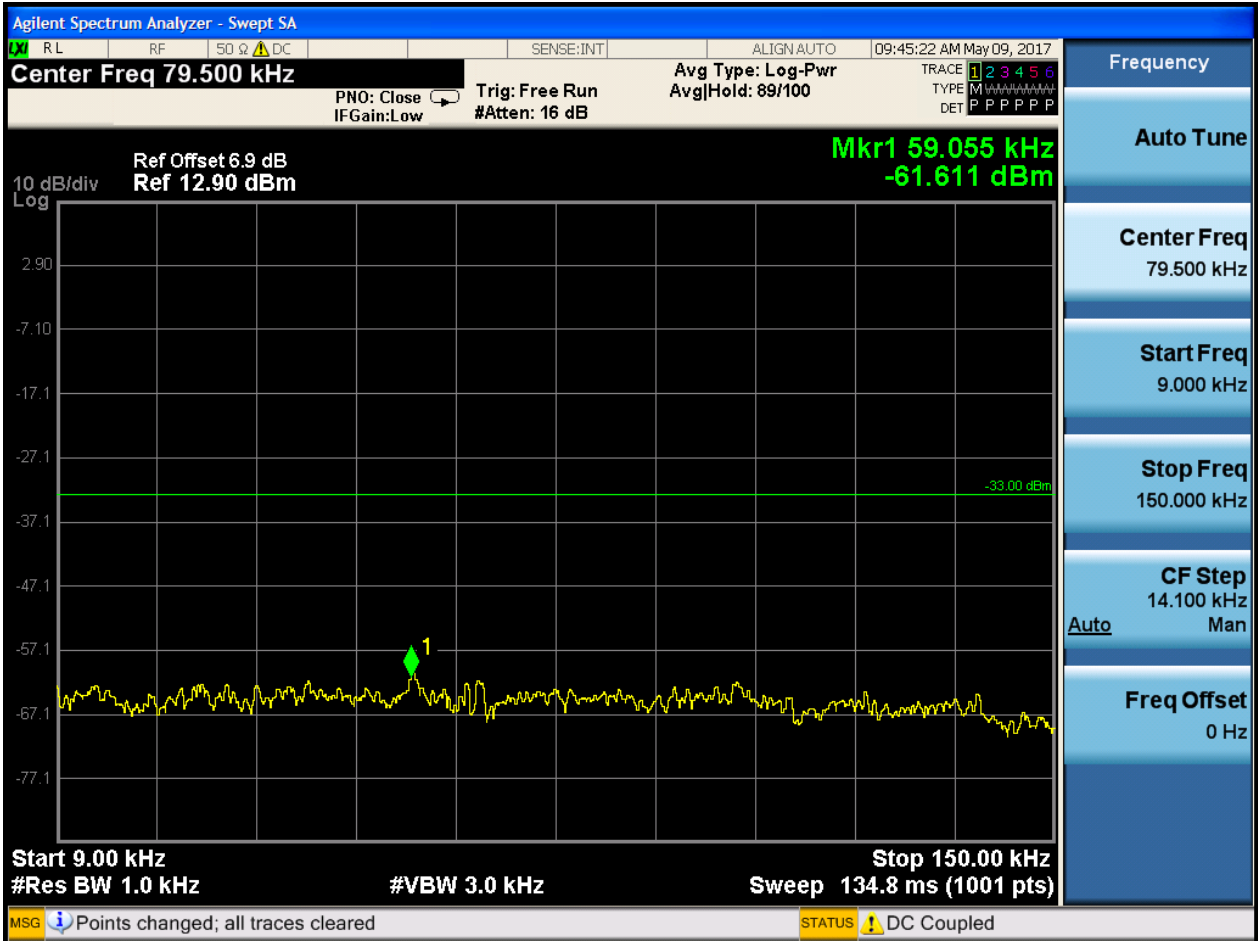


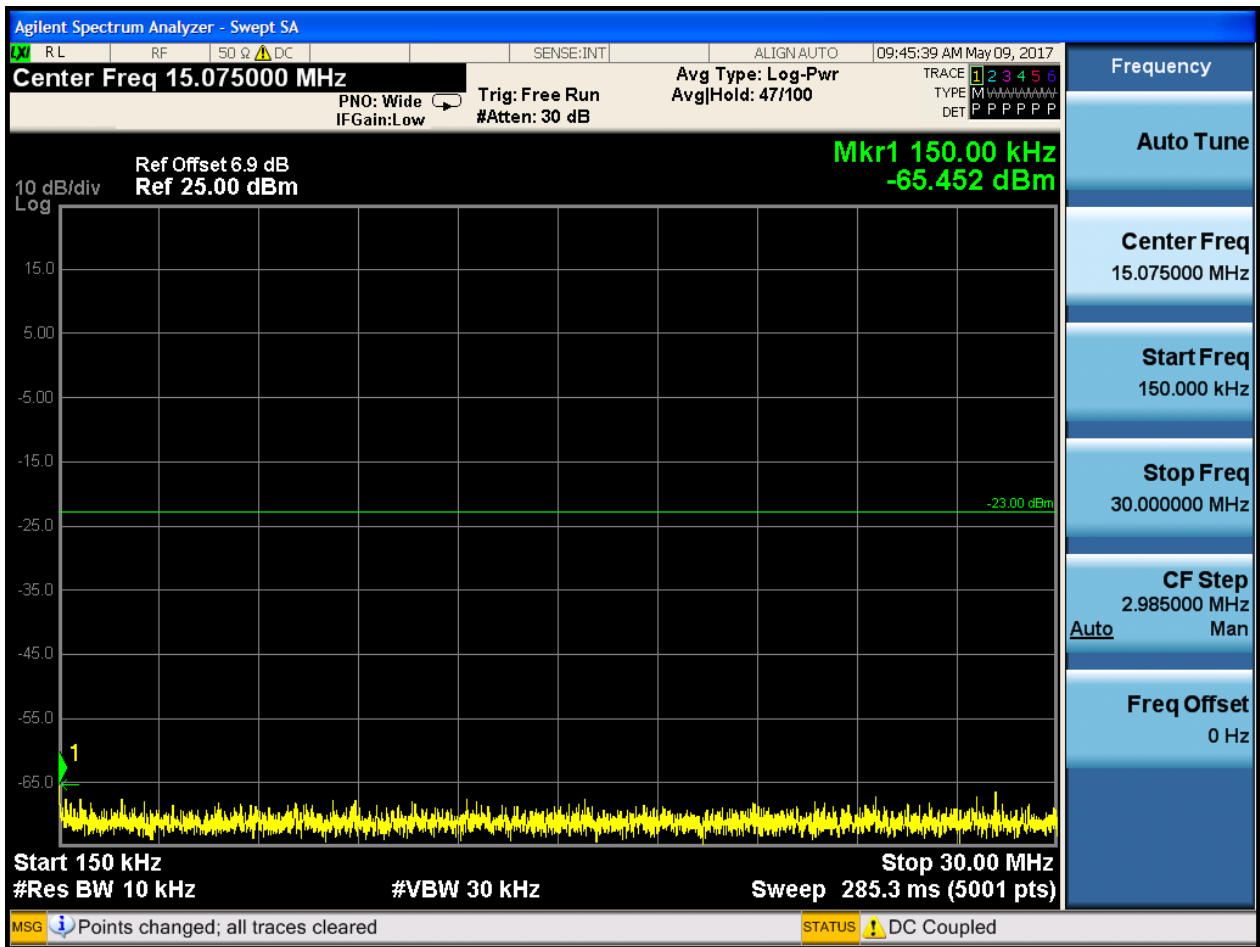


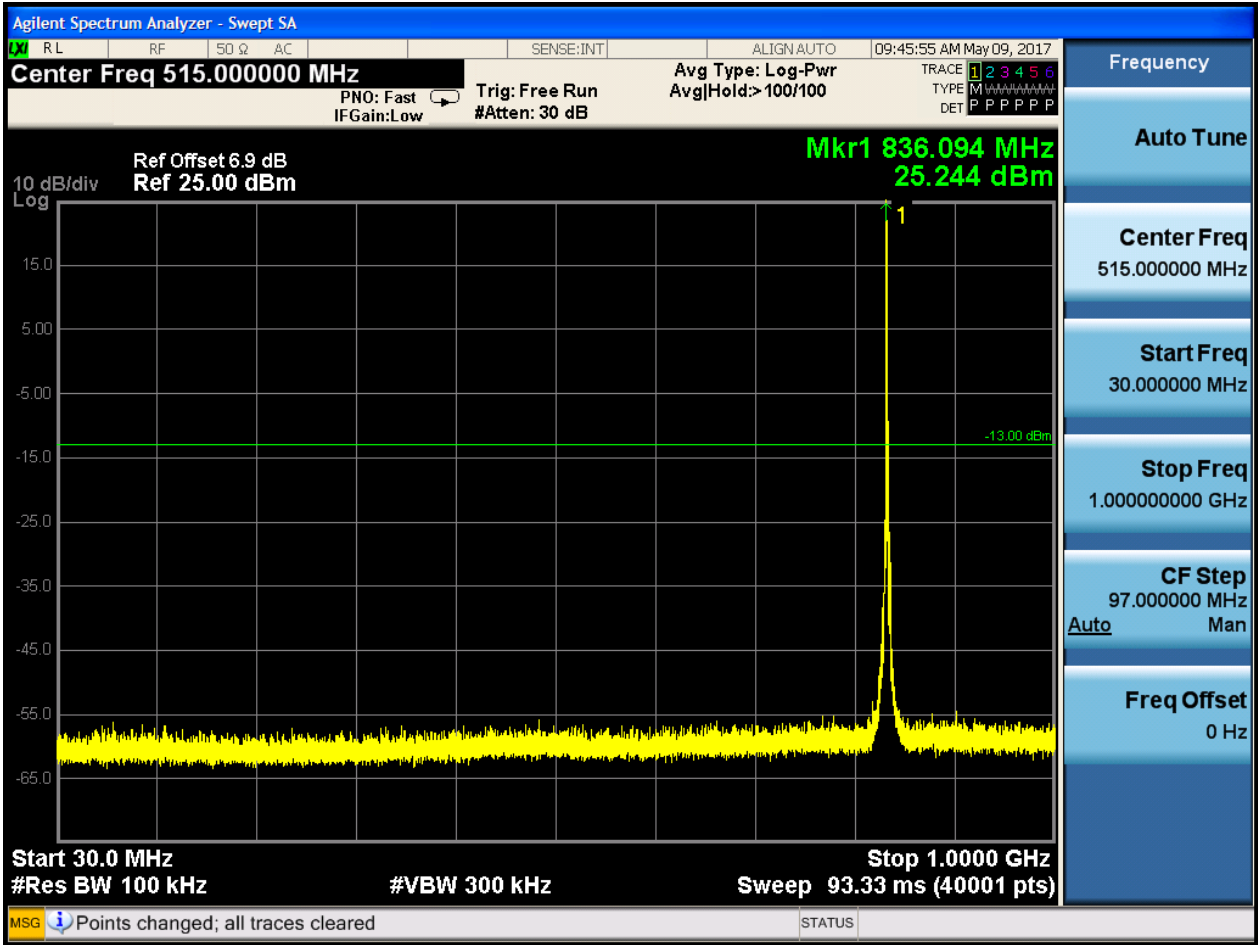


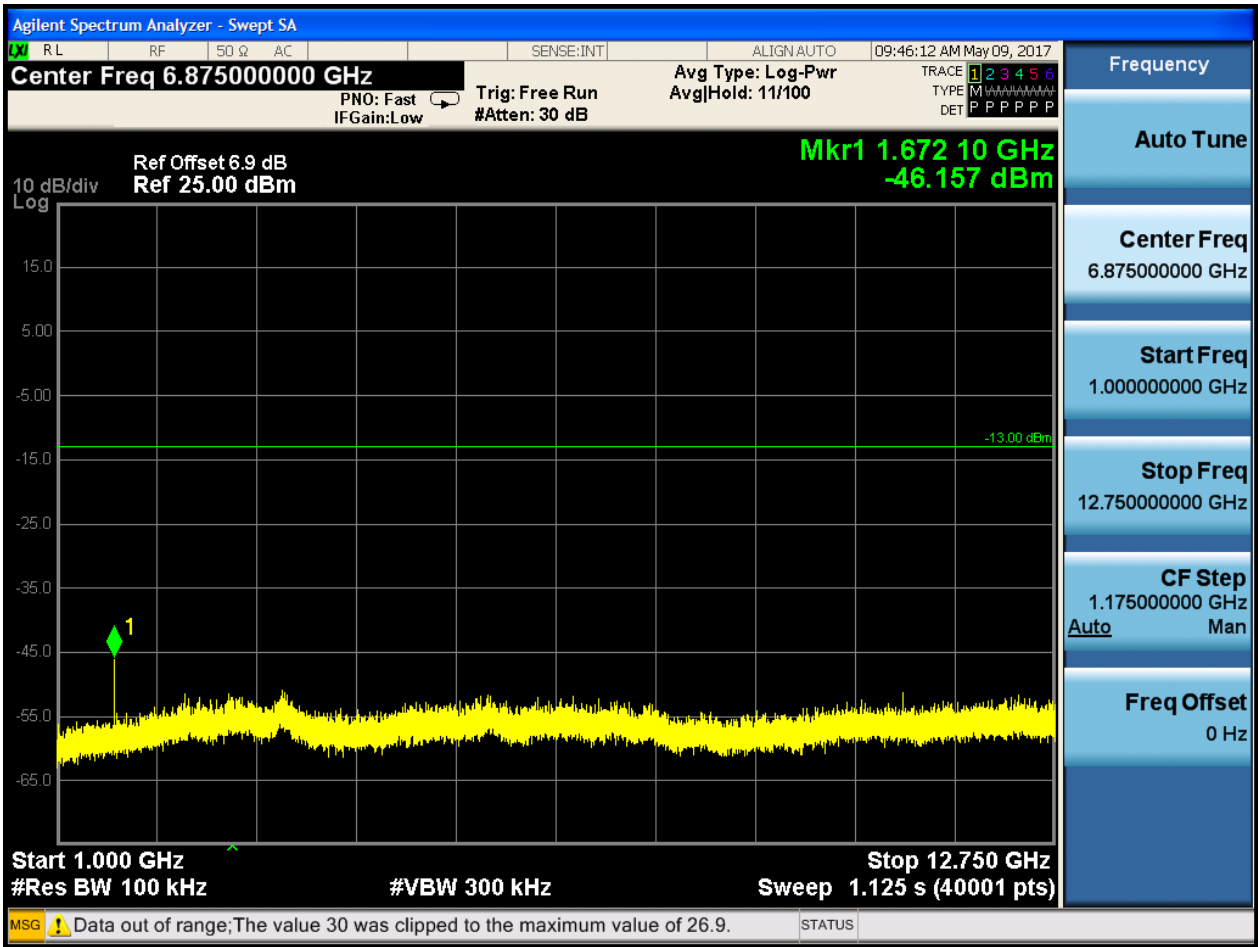
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0







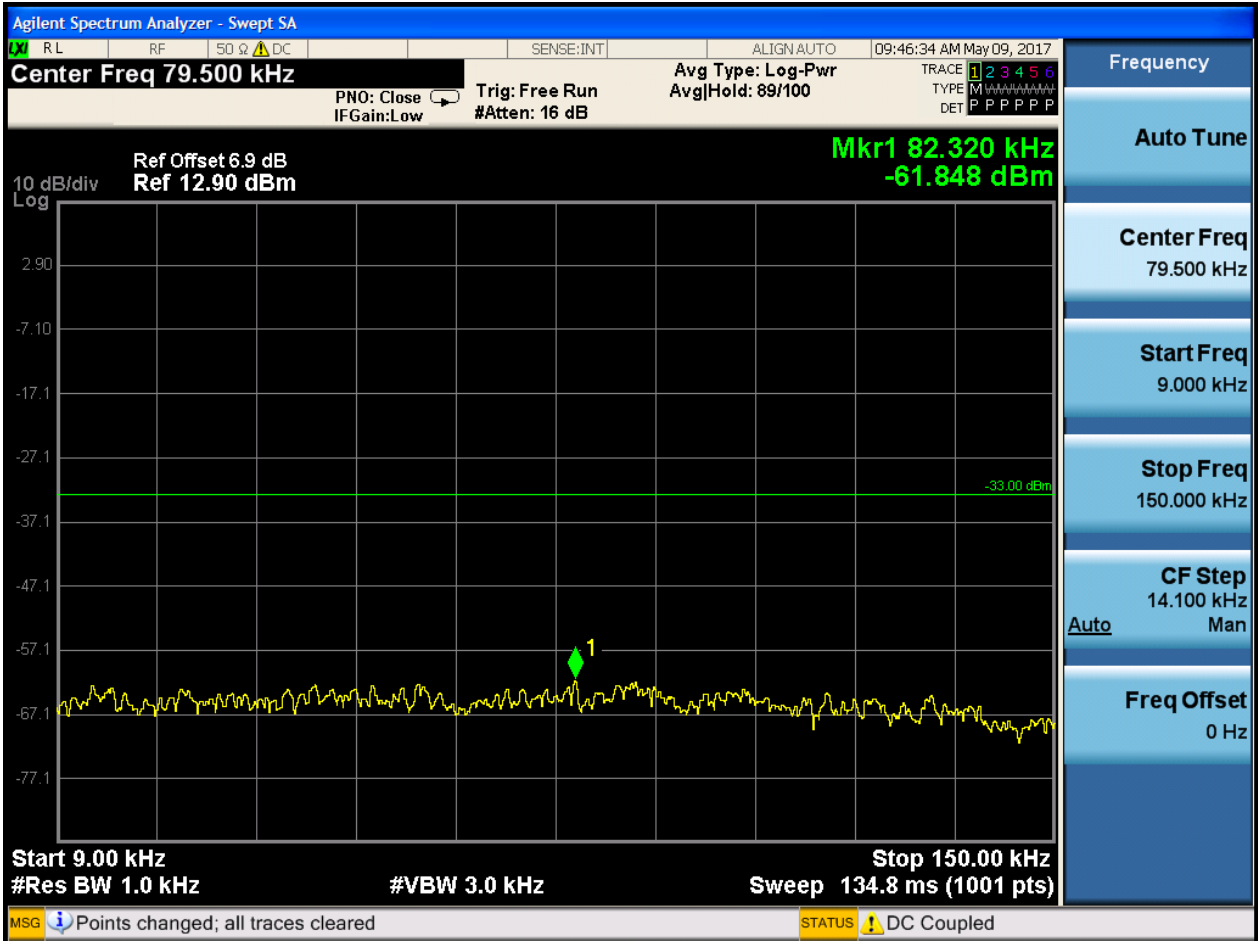


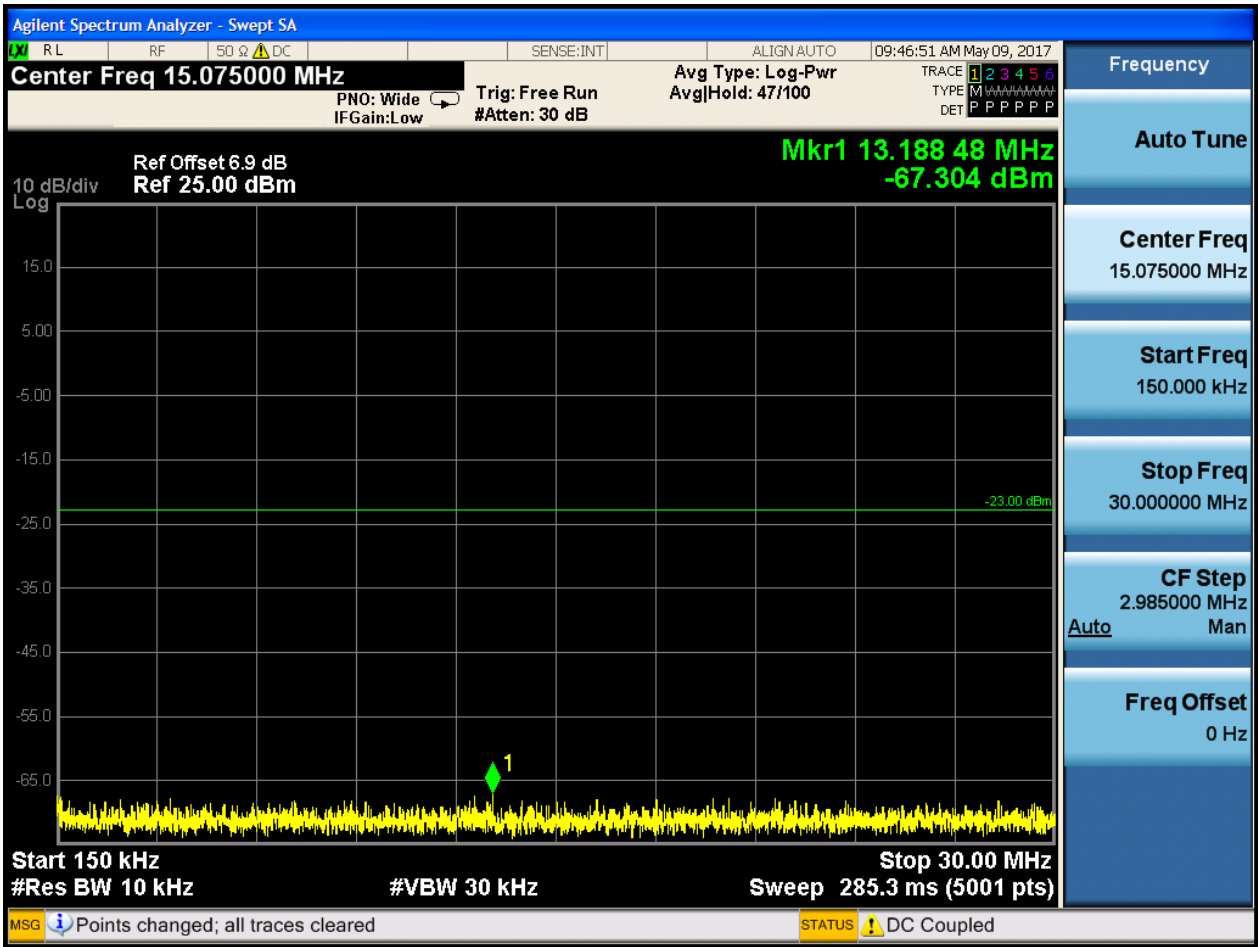


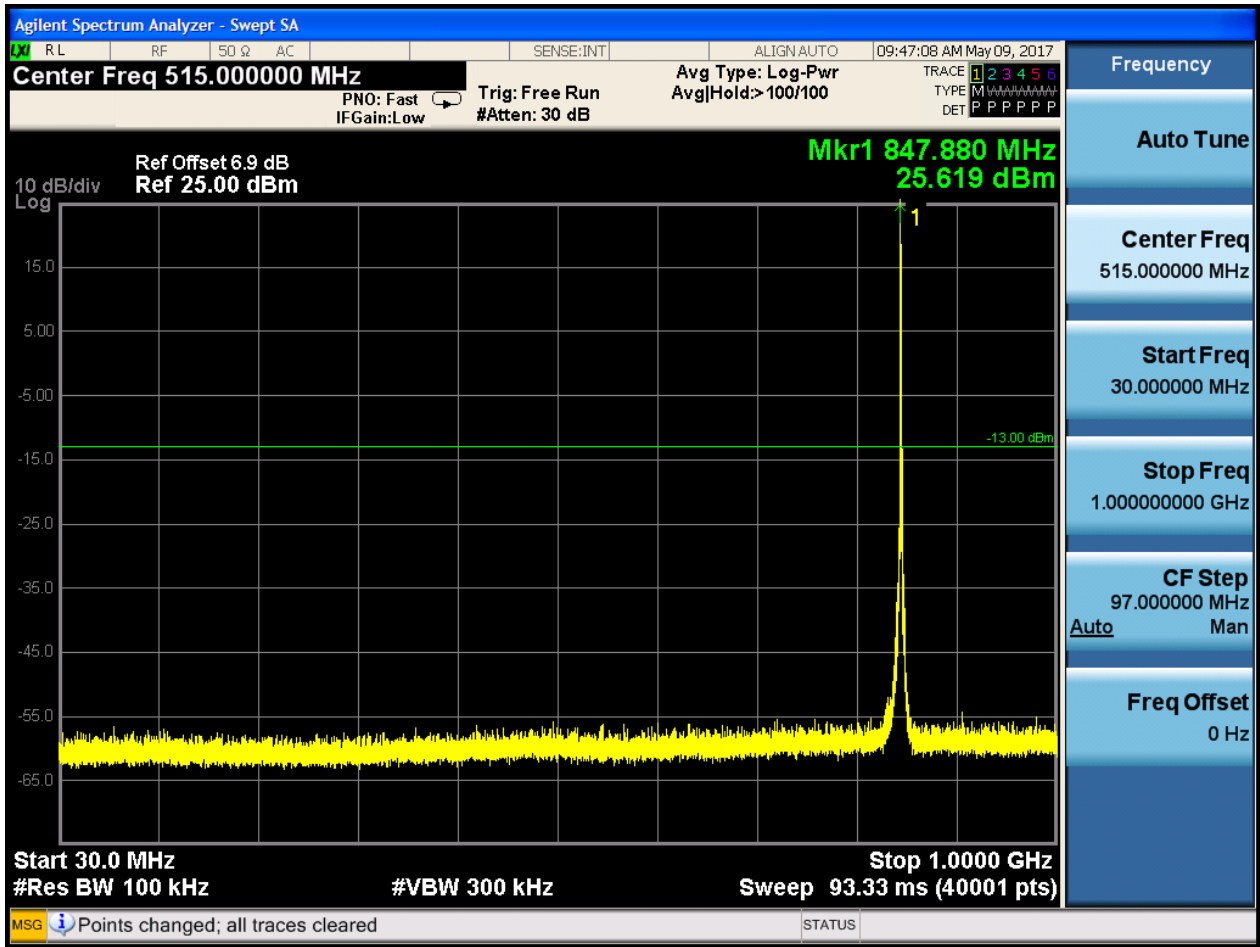


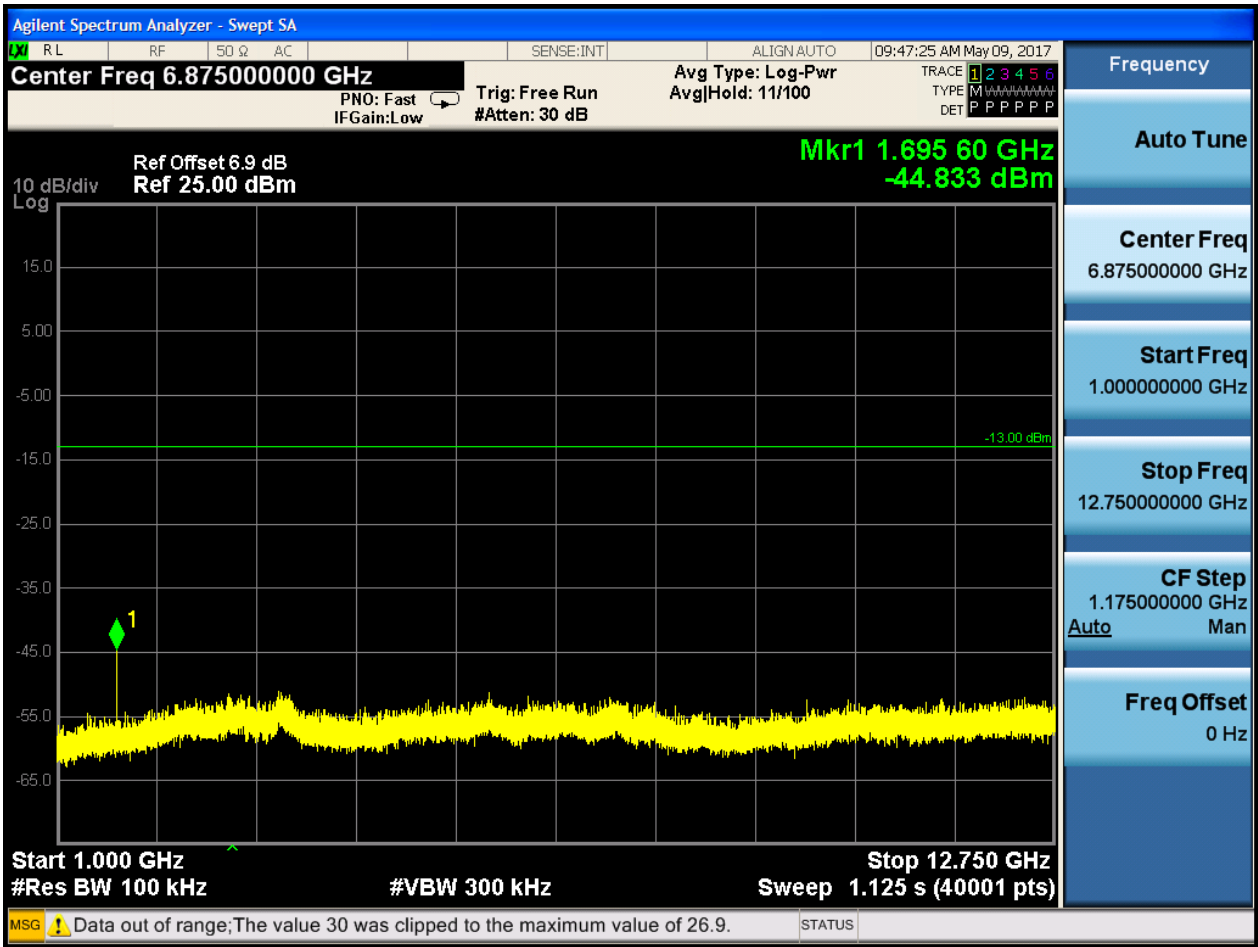
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







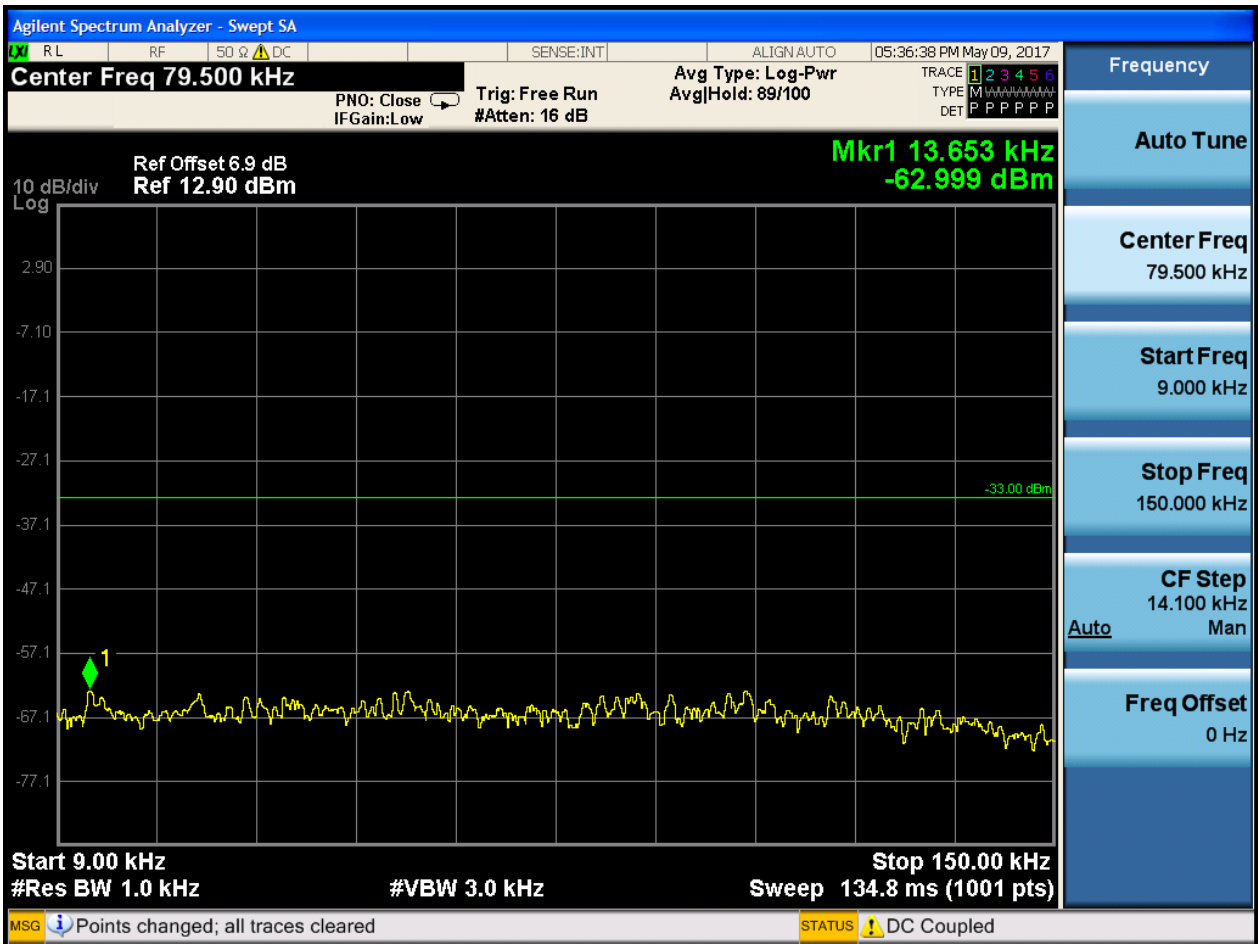


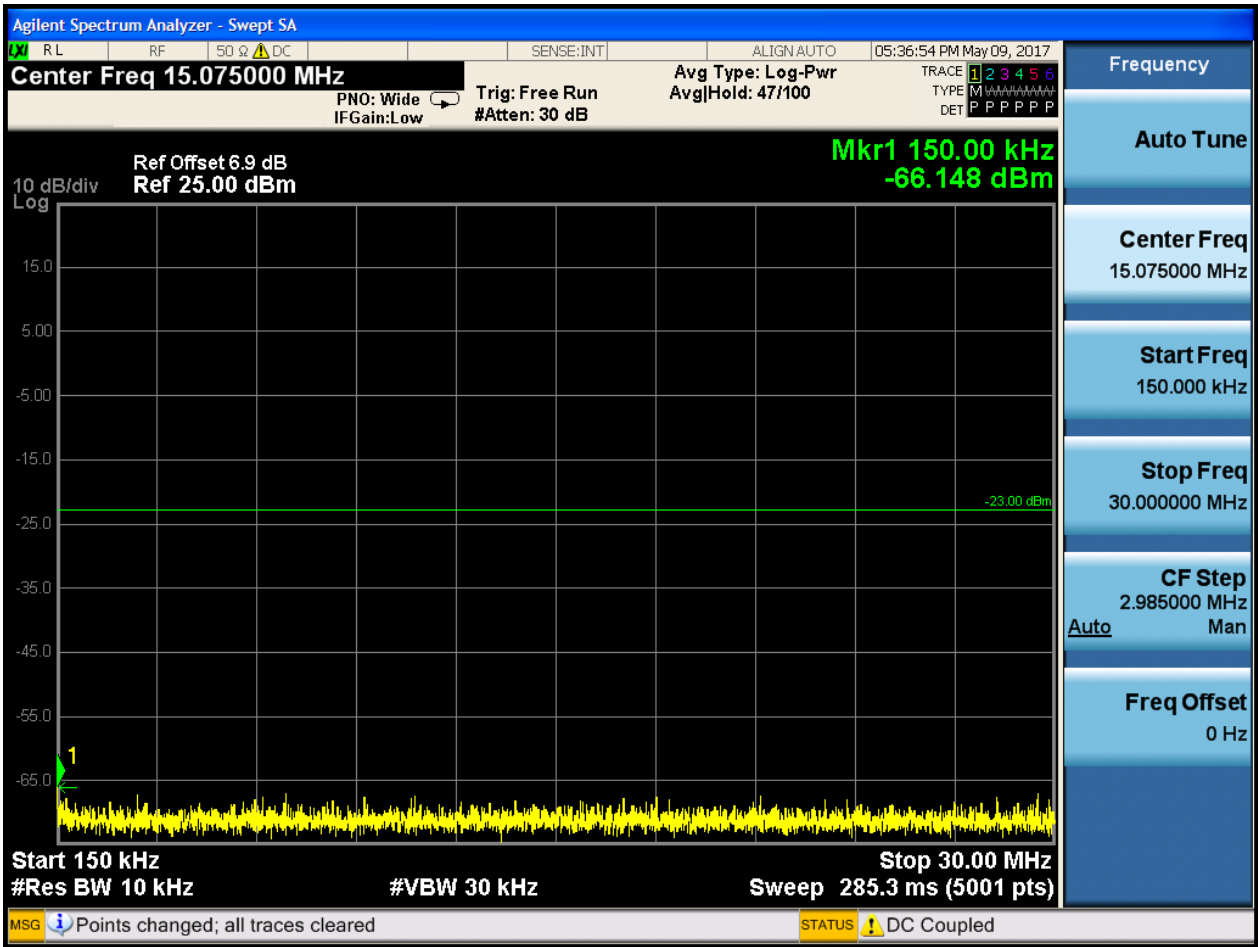


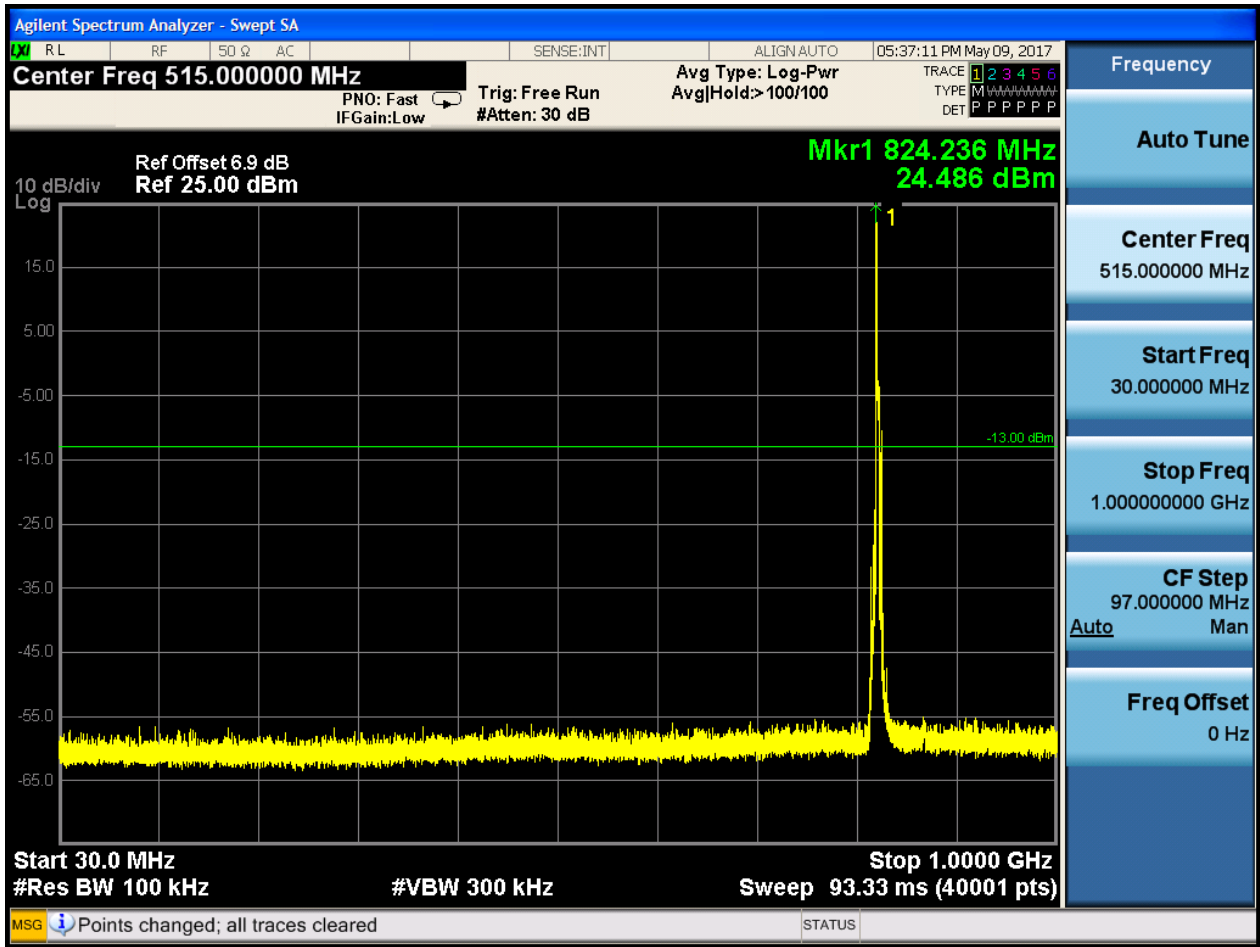
6.1.1.2.2 Test Bandwidth = 3

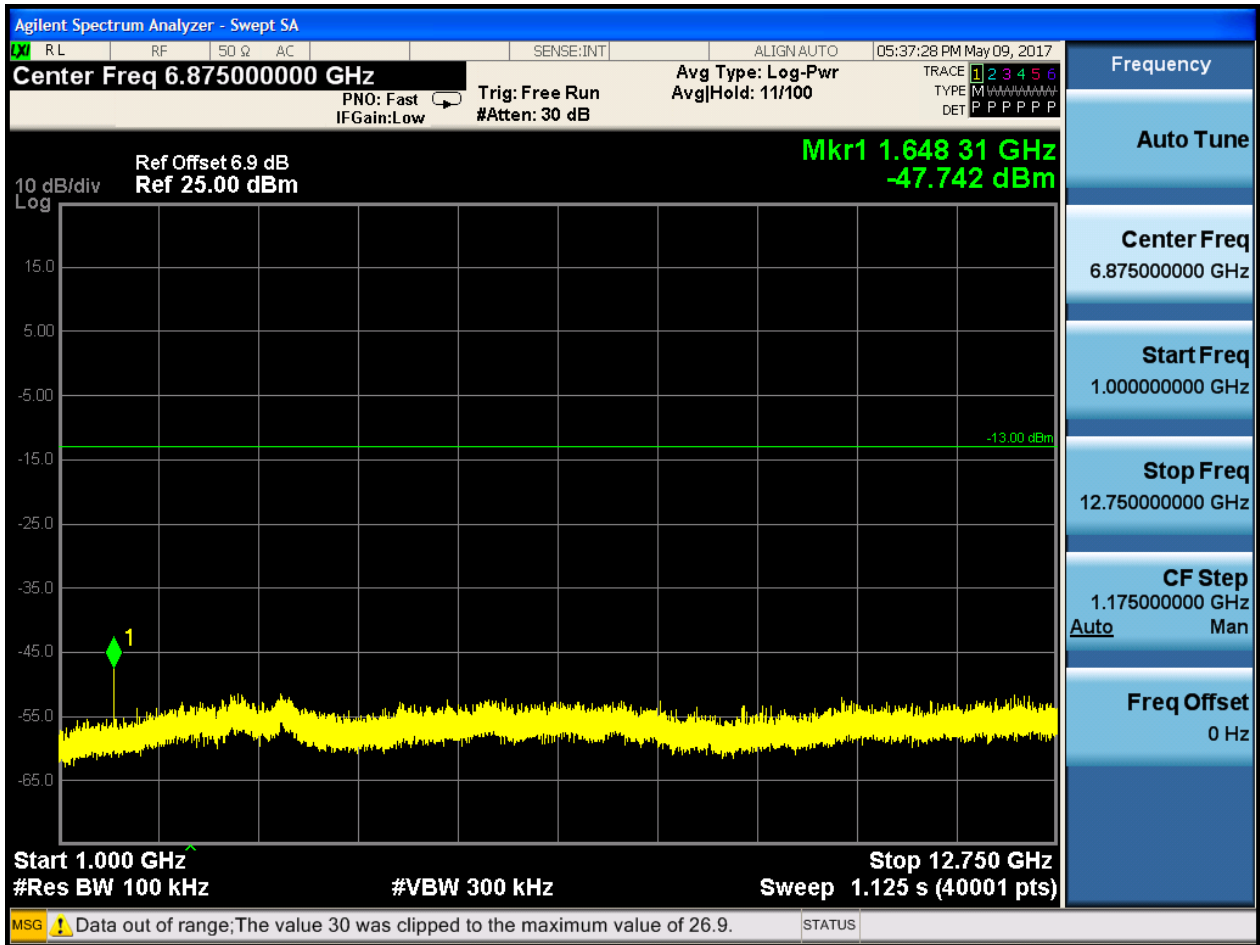
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0







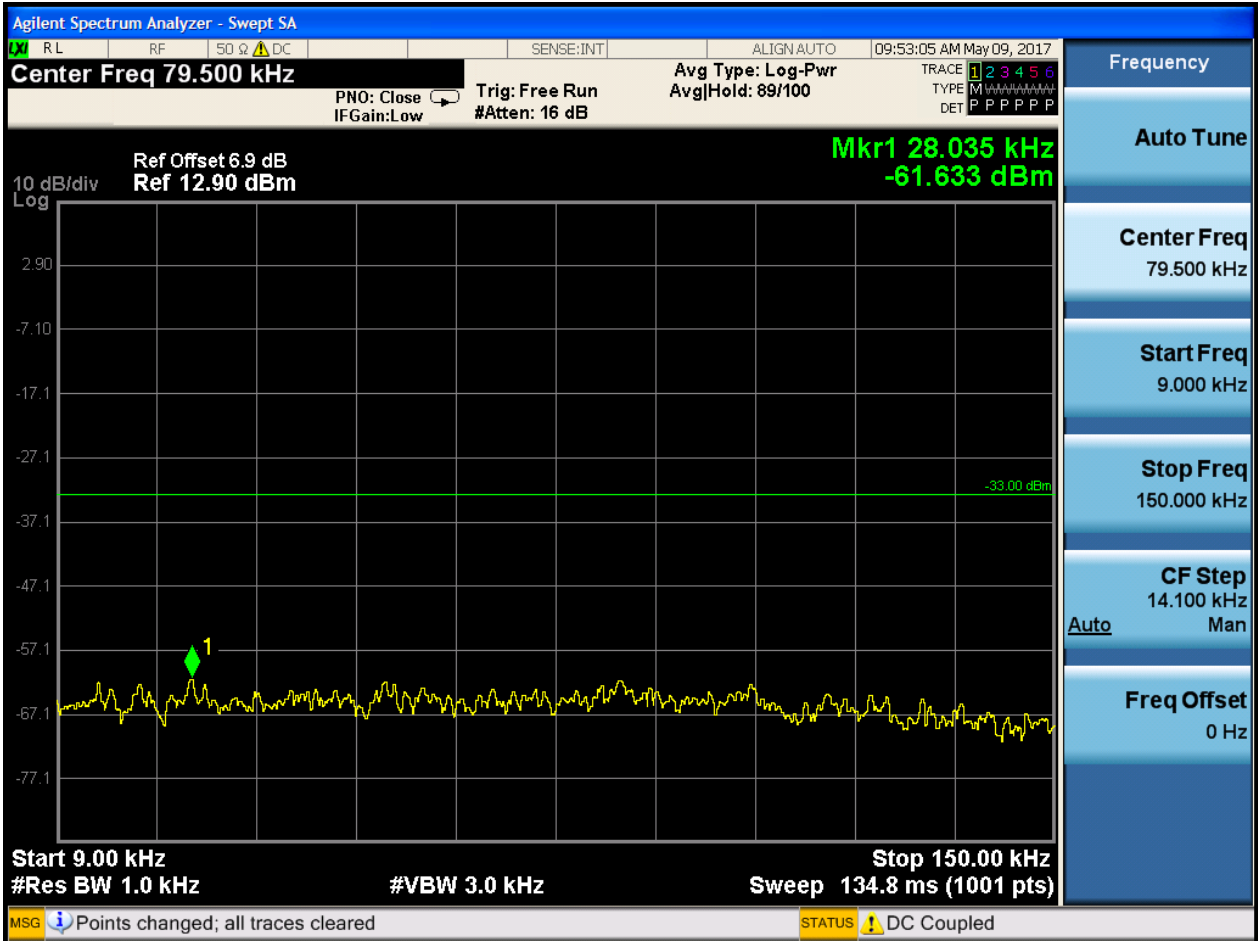


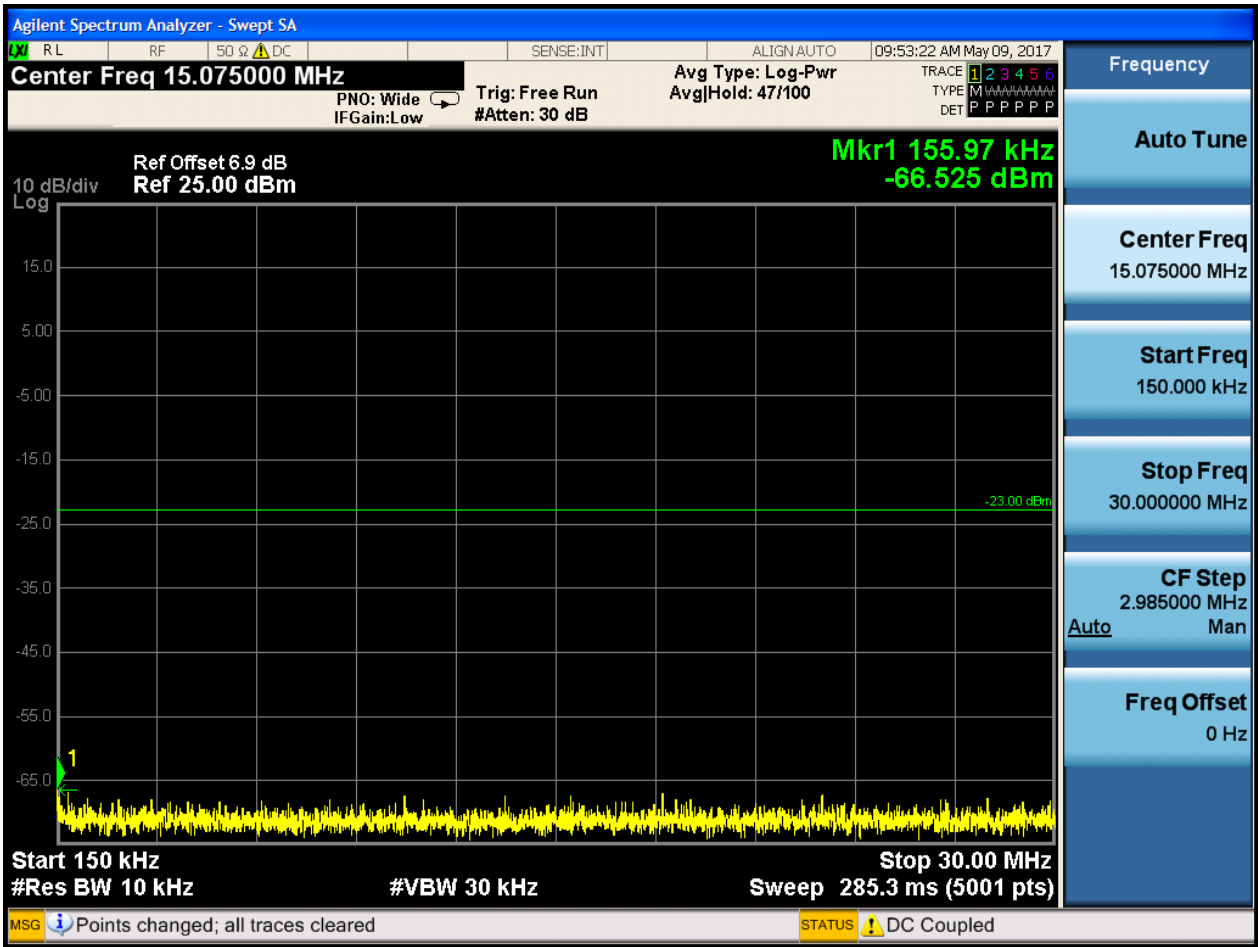


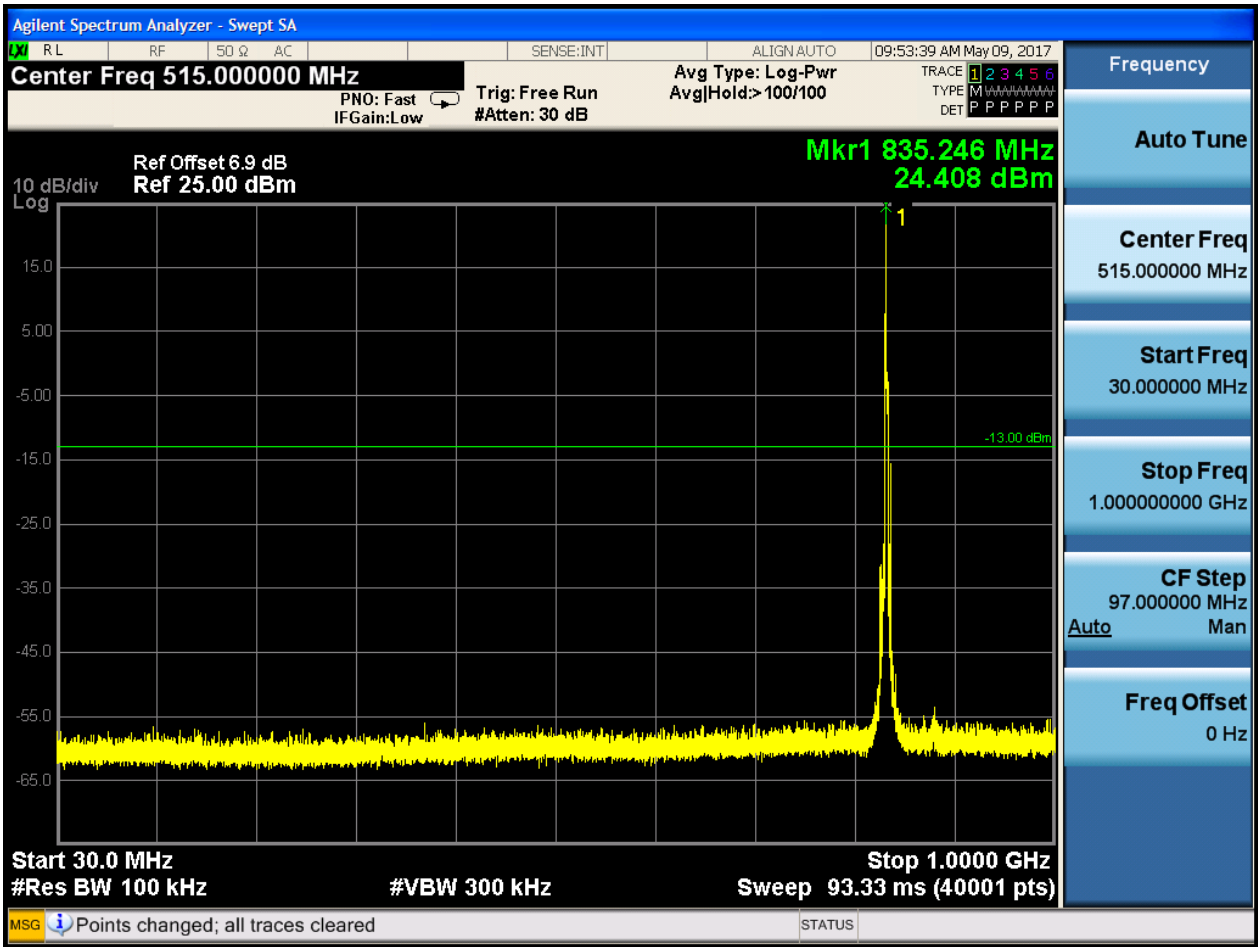


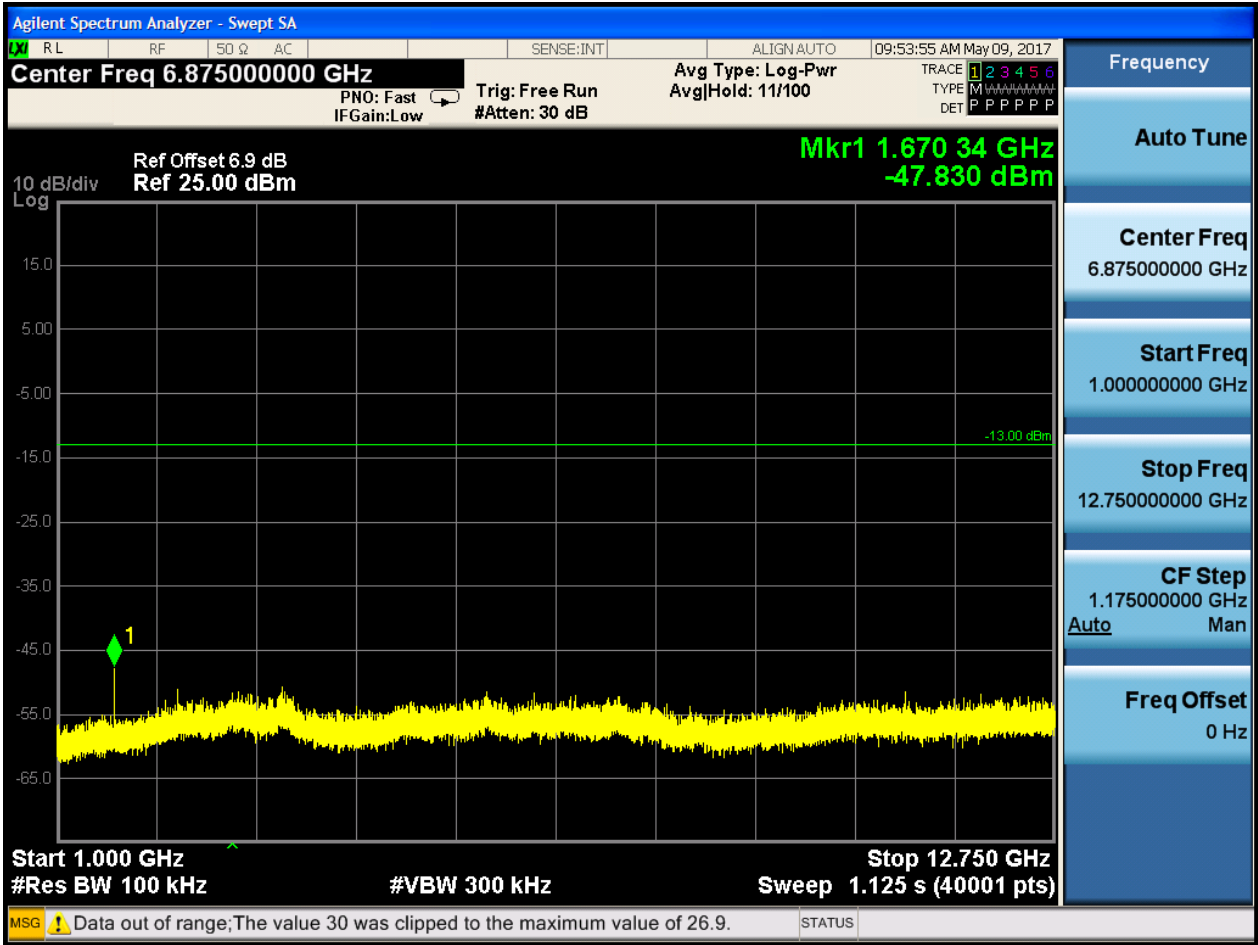
6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0





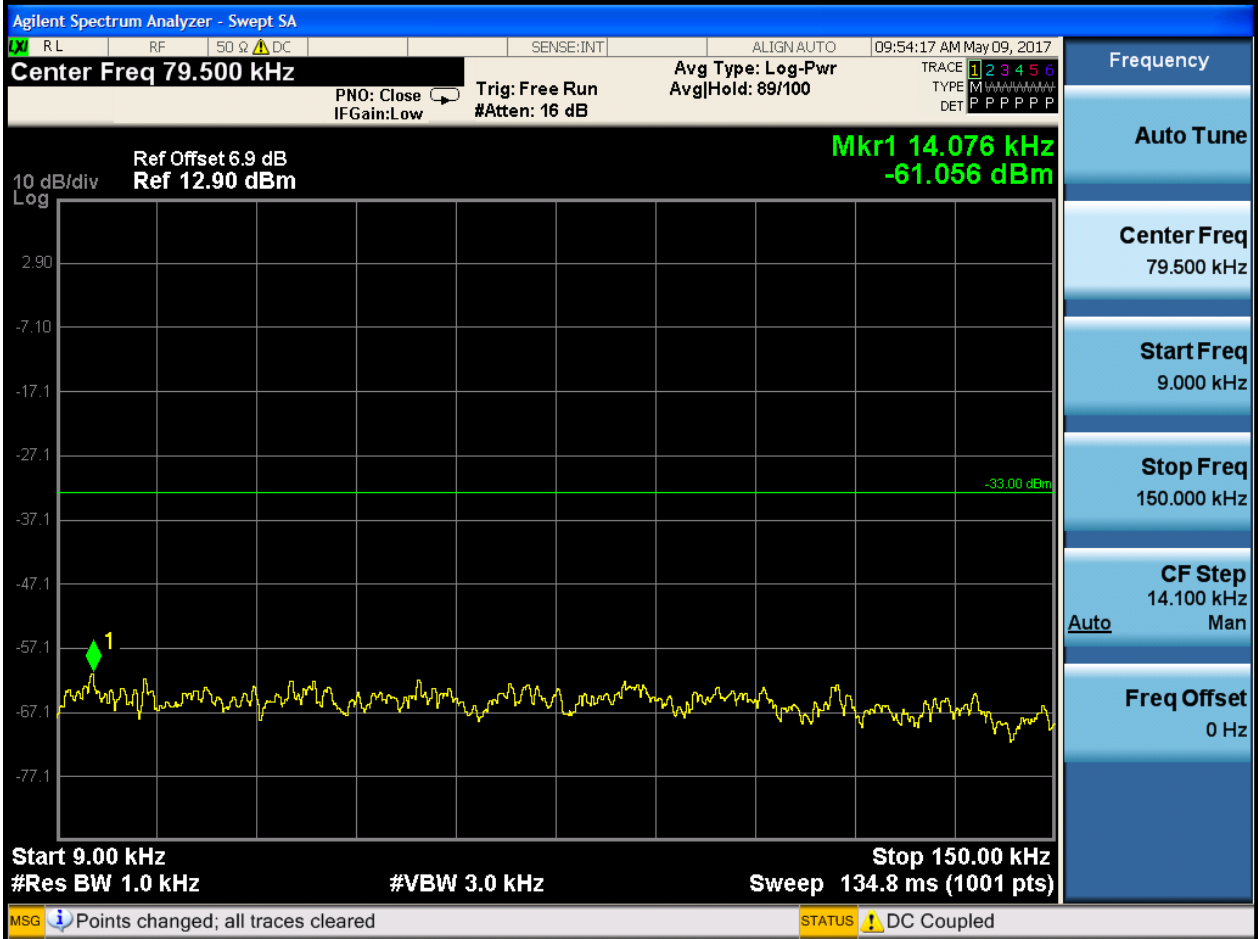


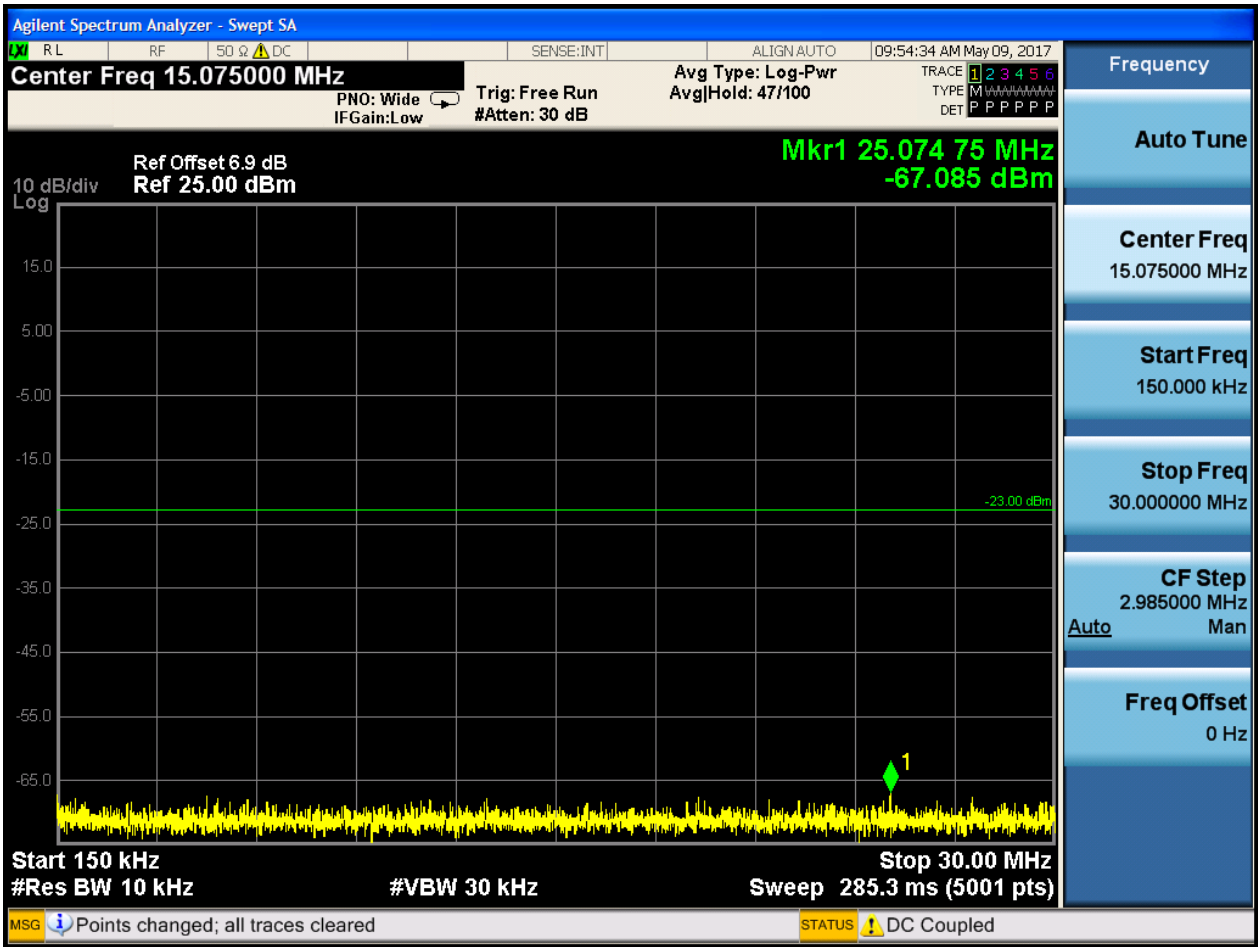


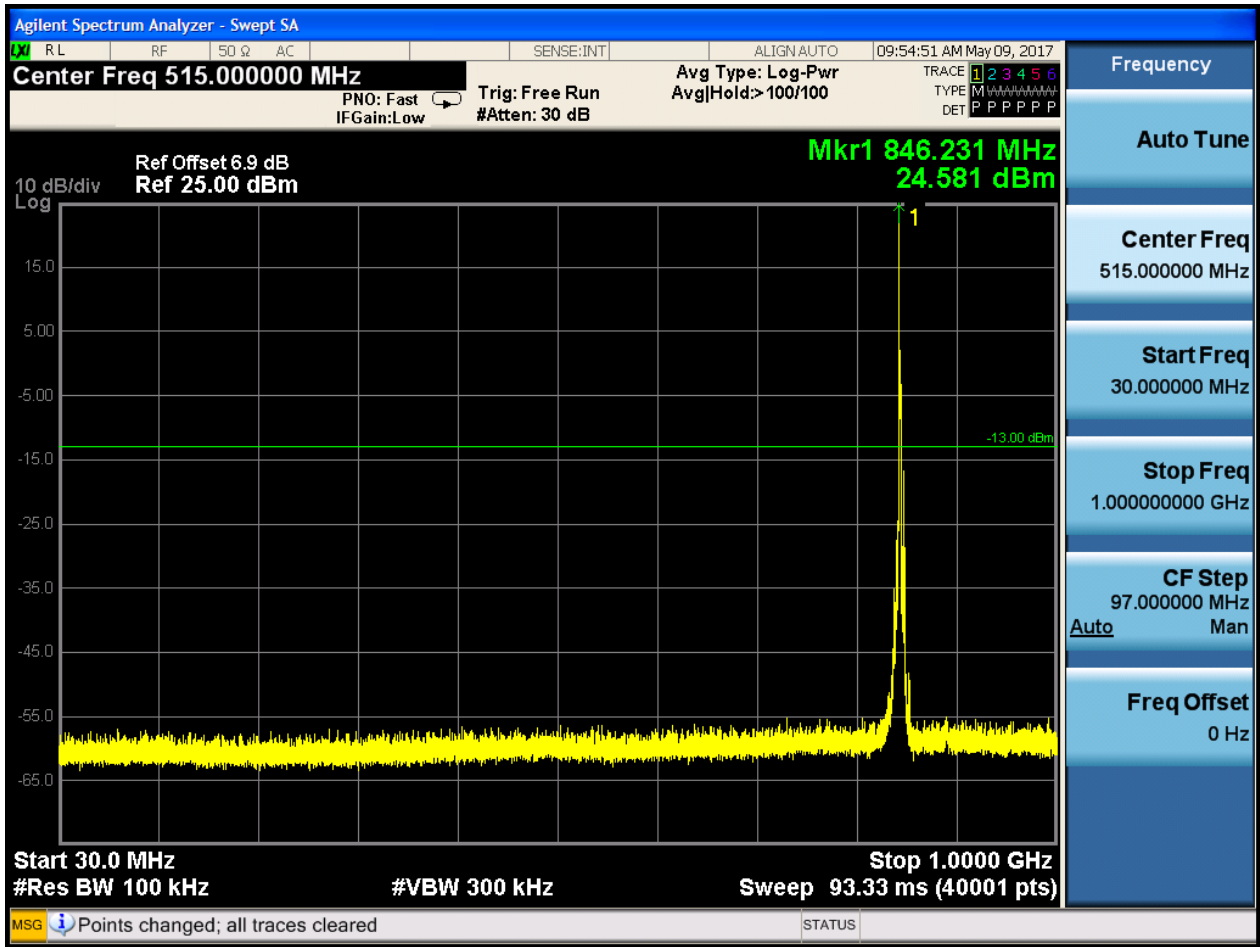


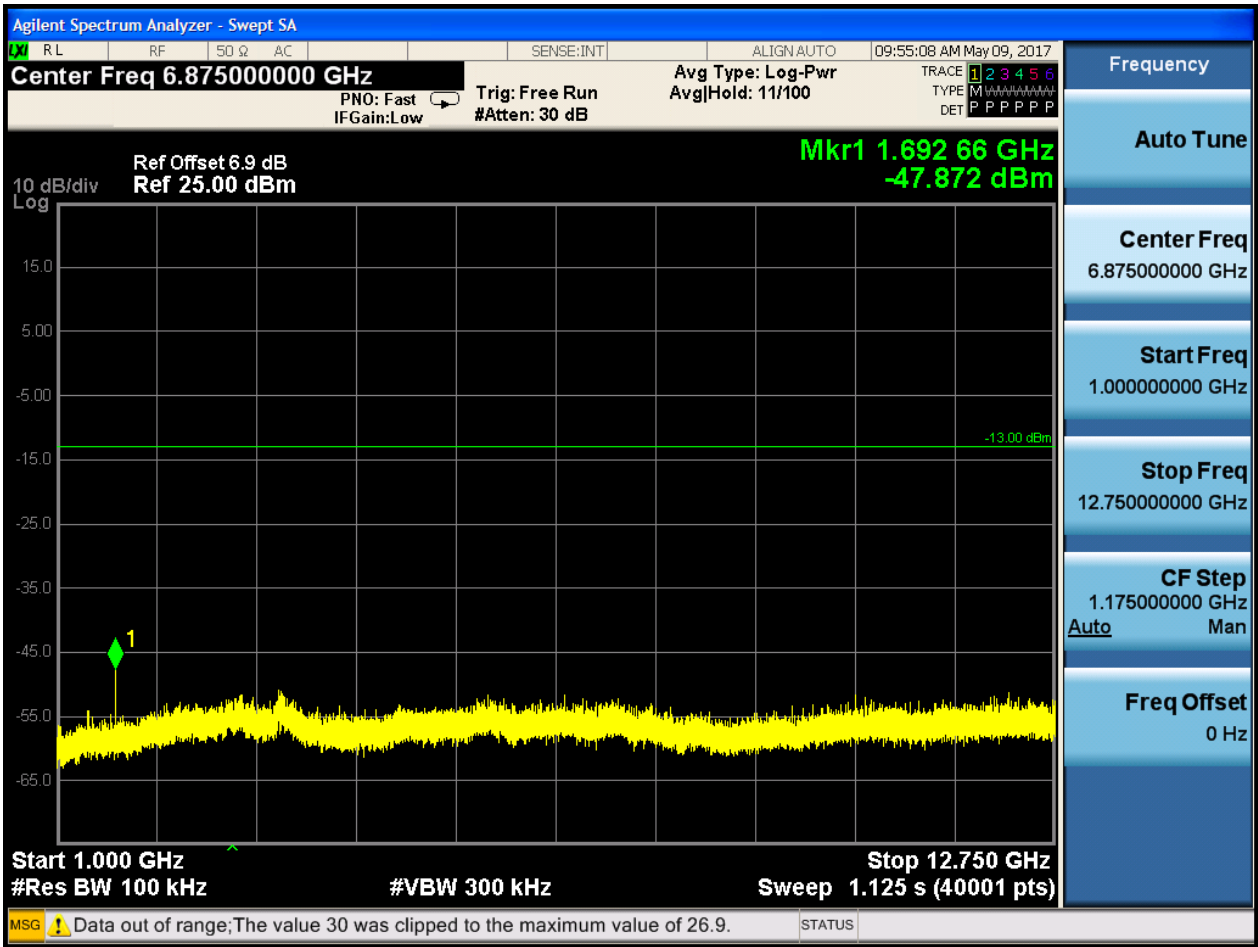
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0









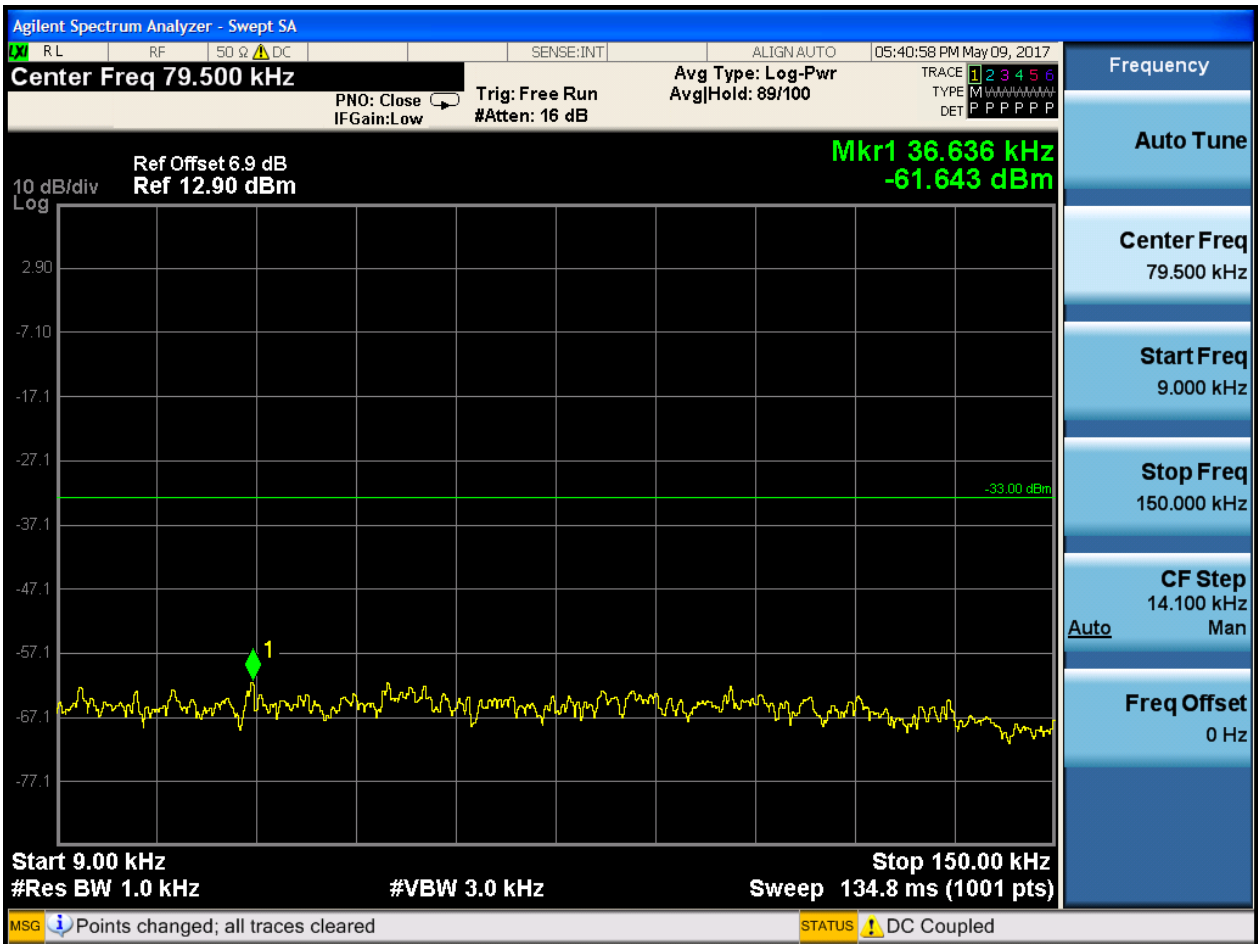


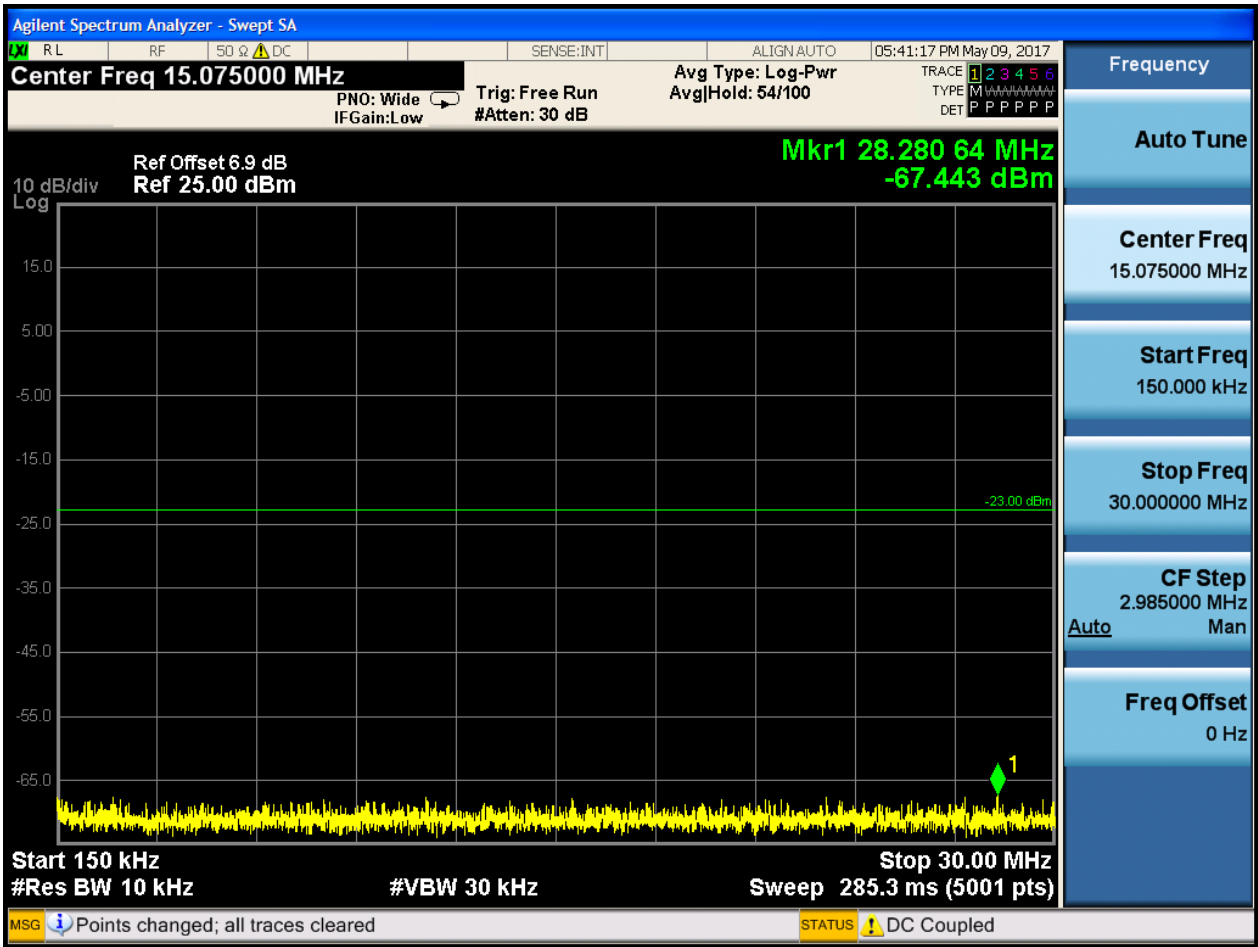


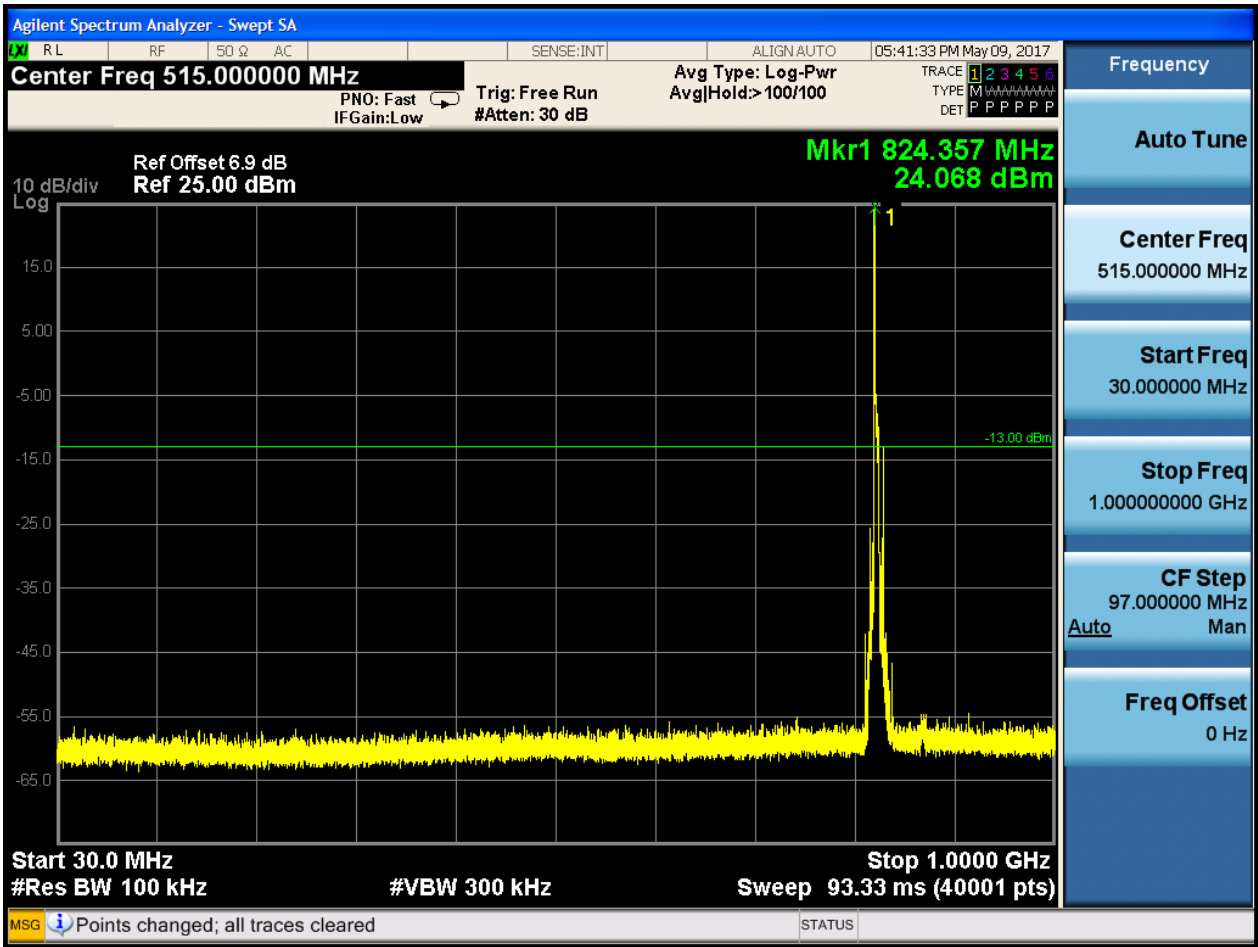
6.1.1.2.3 Test Bandwidth = 5

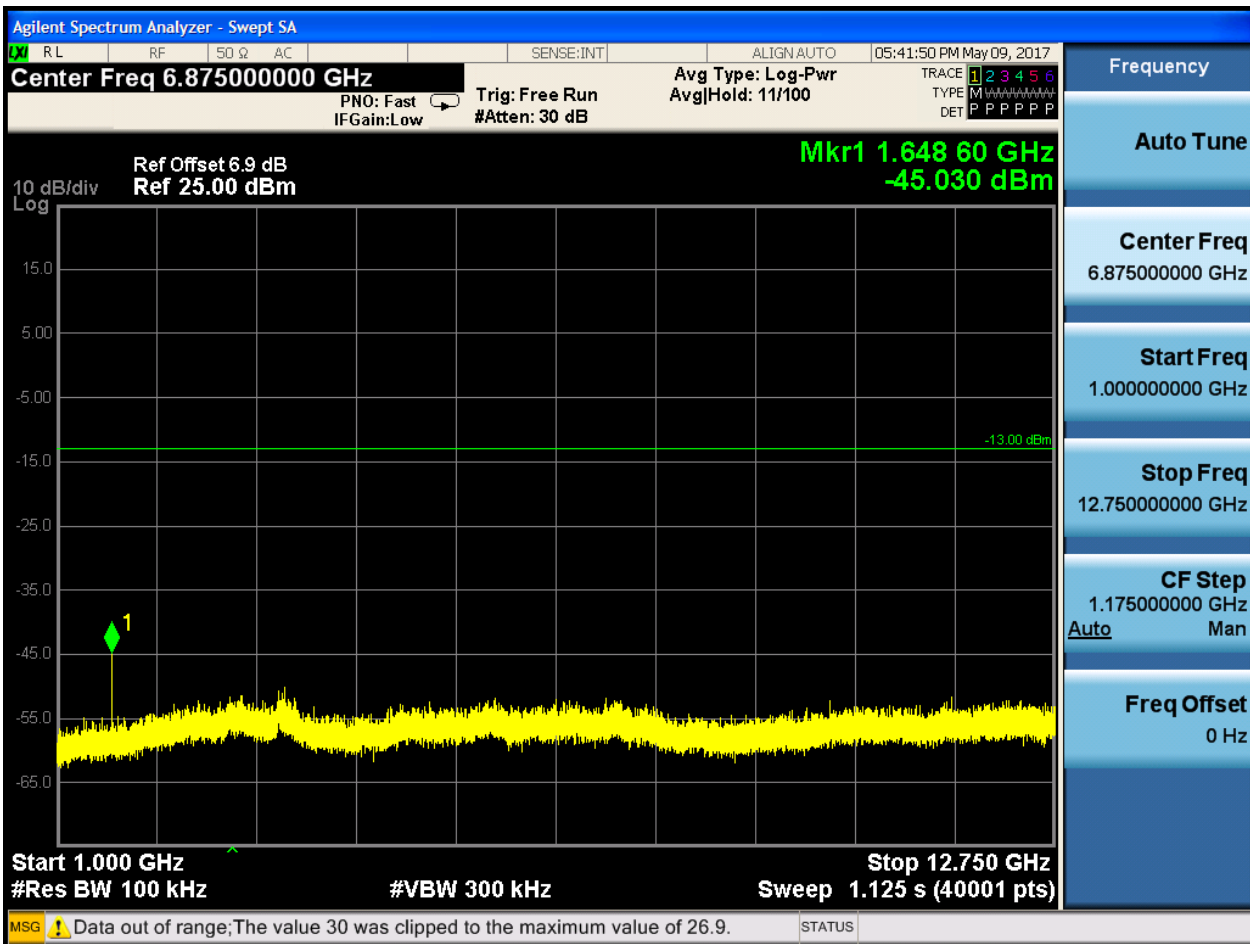
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





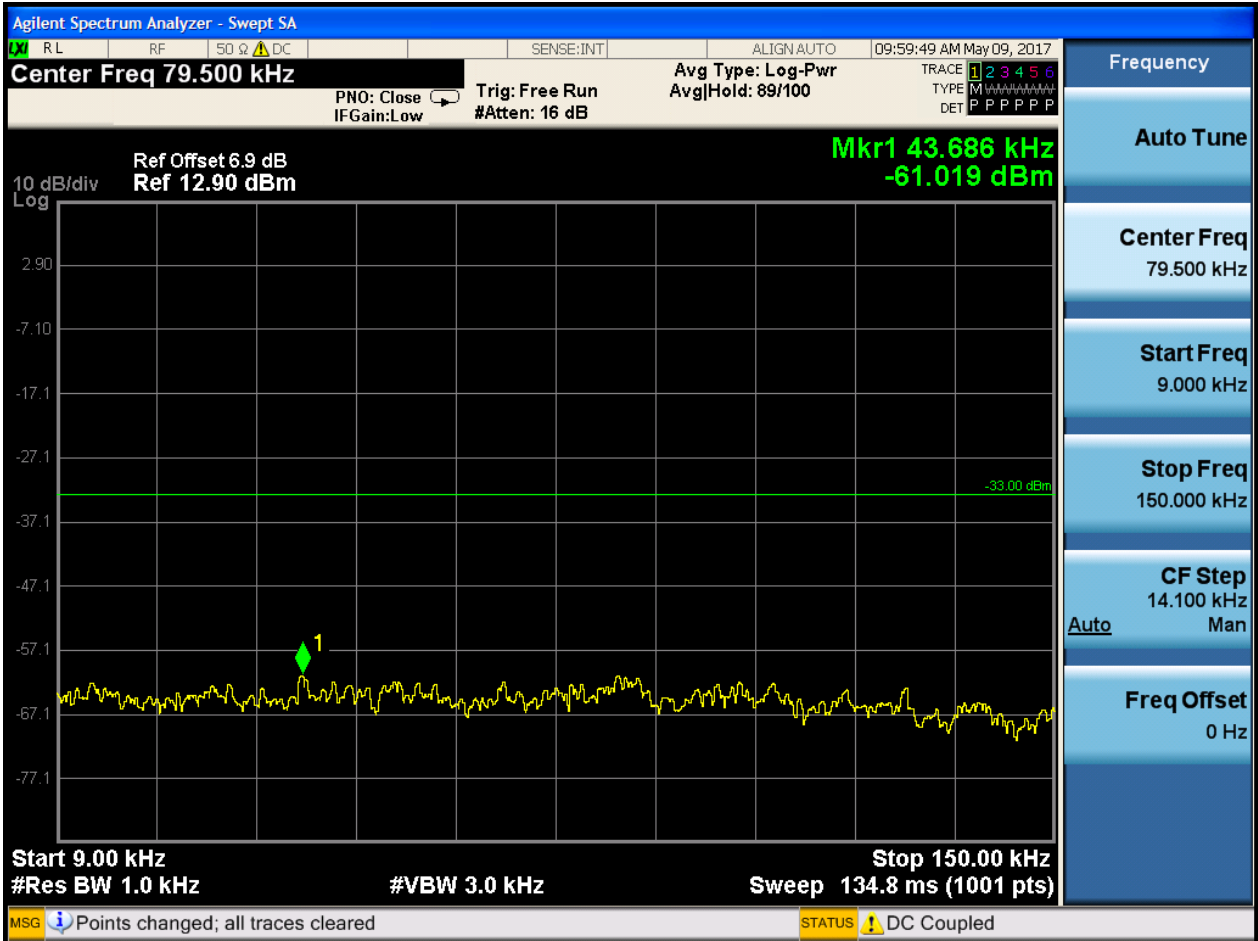




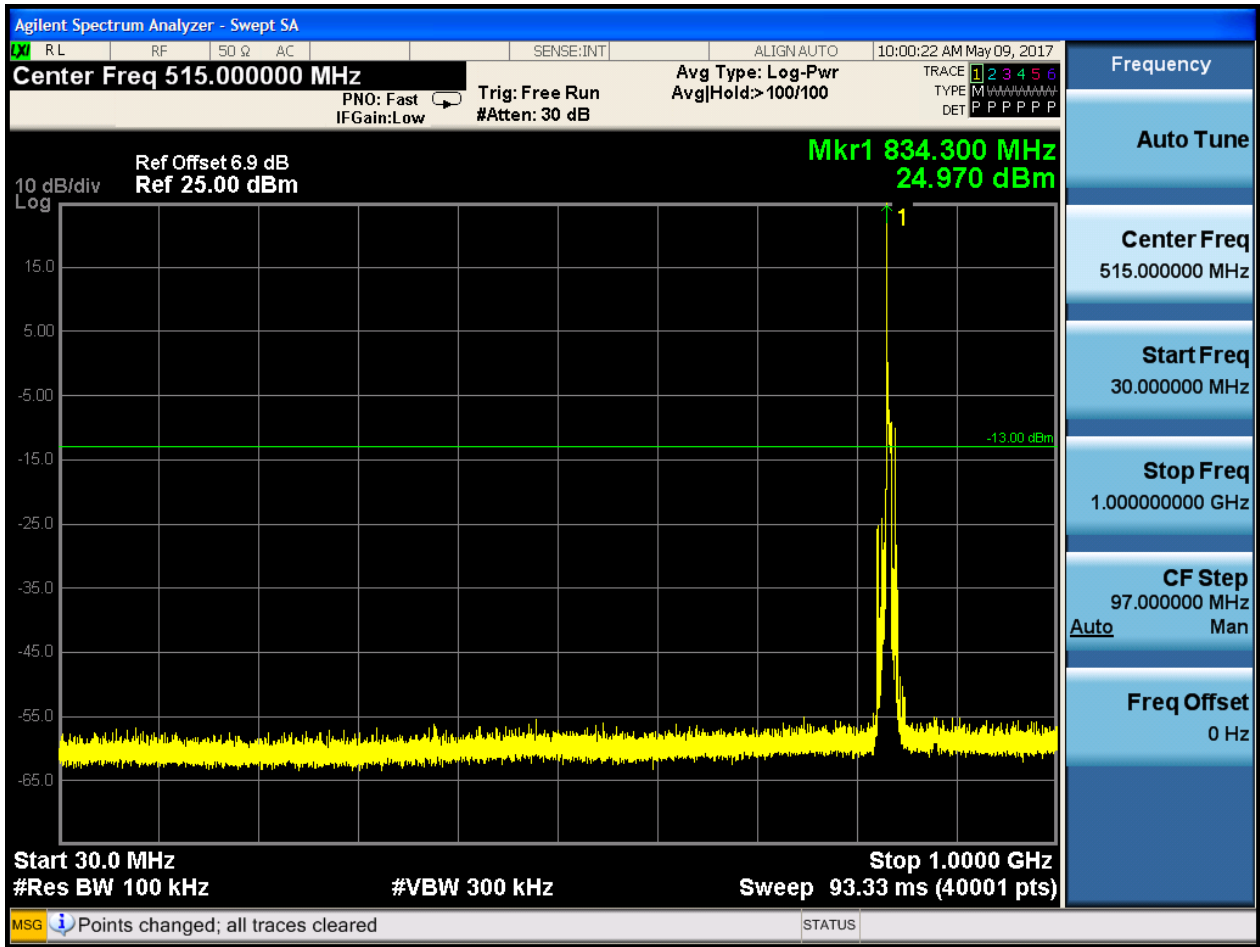


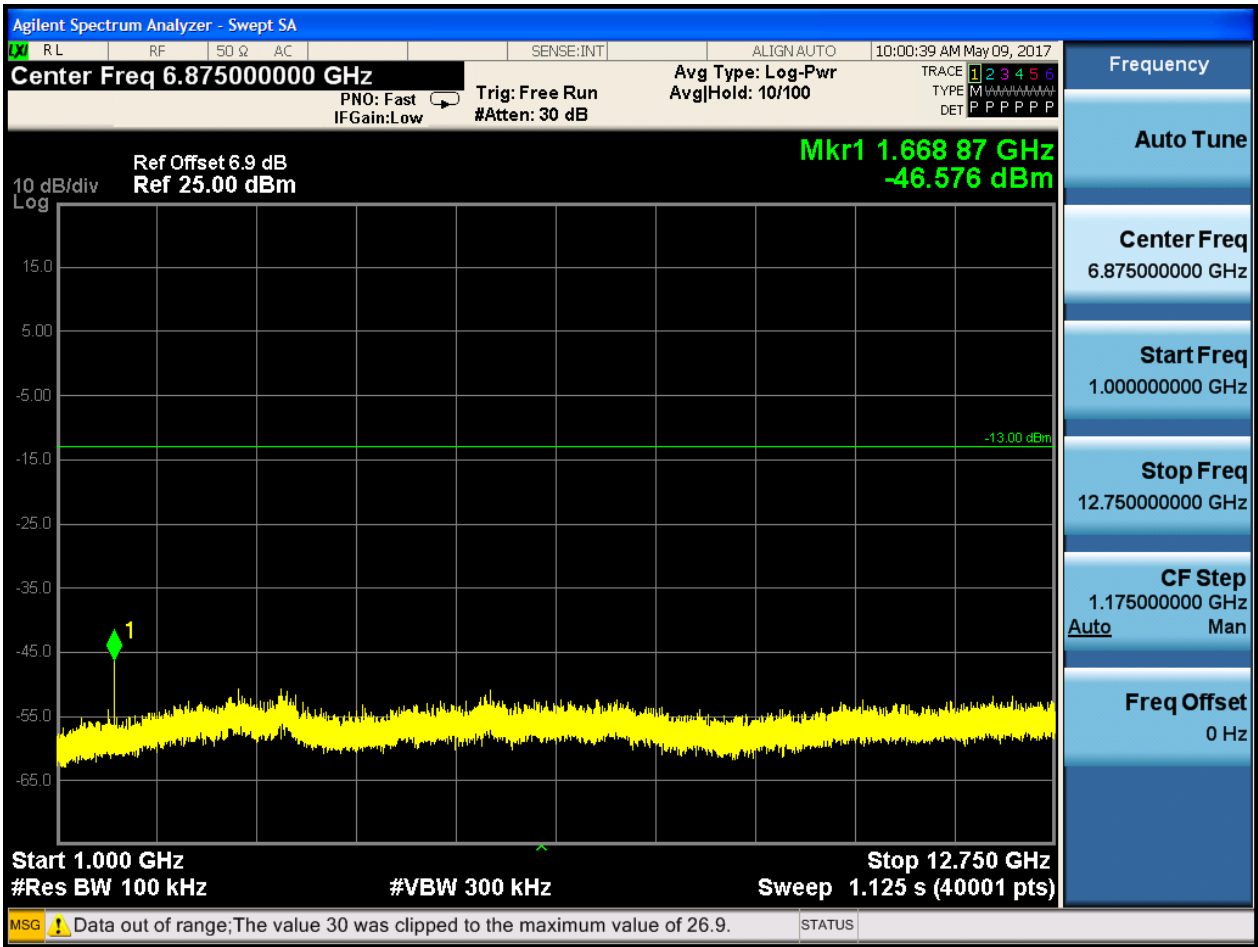
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0







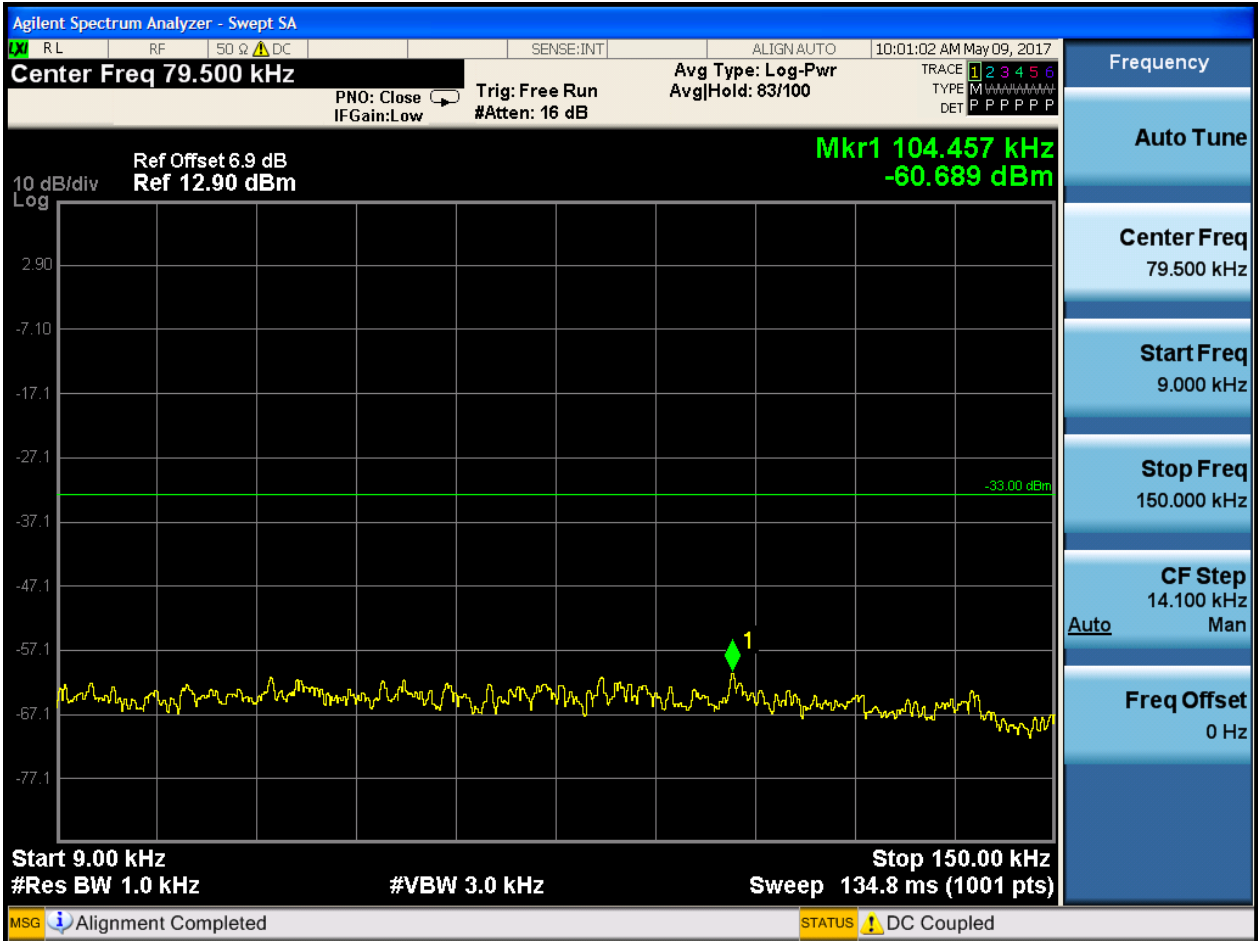


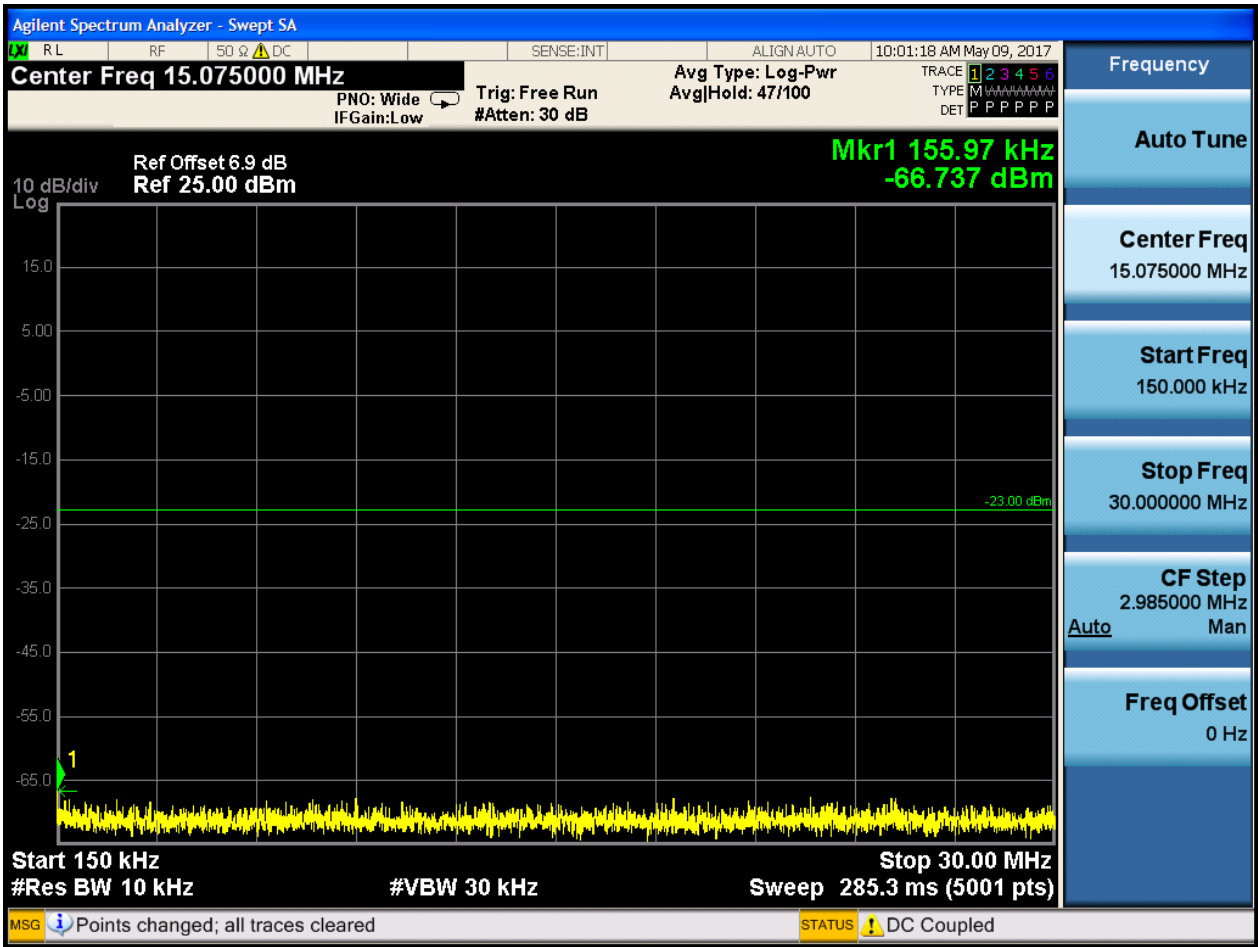


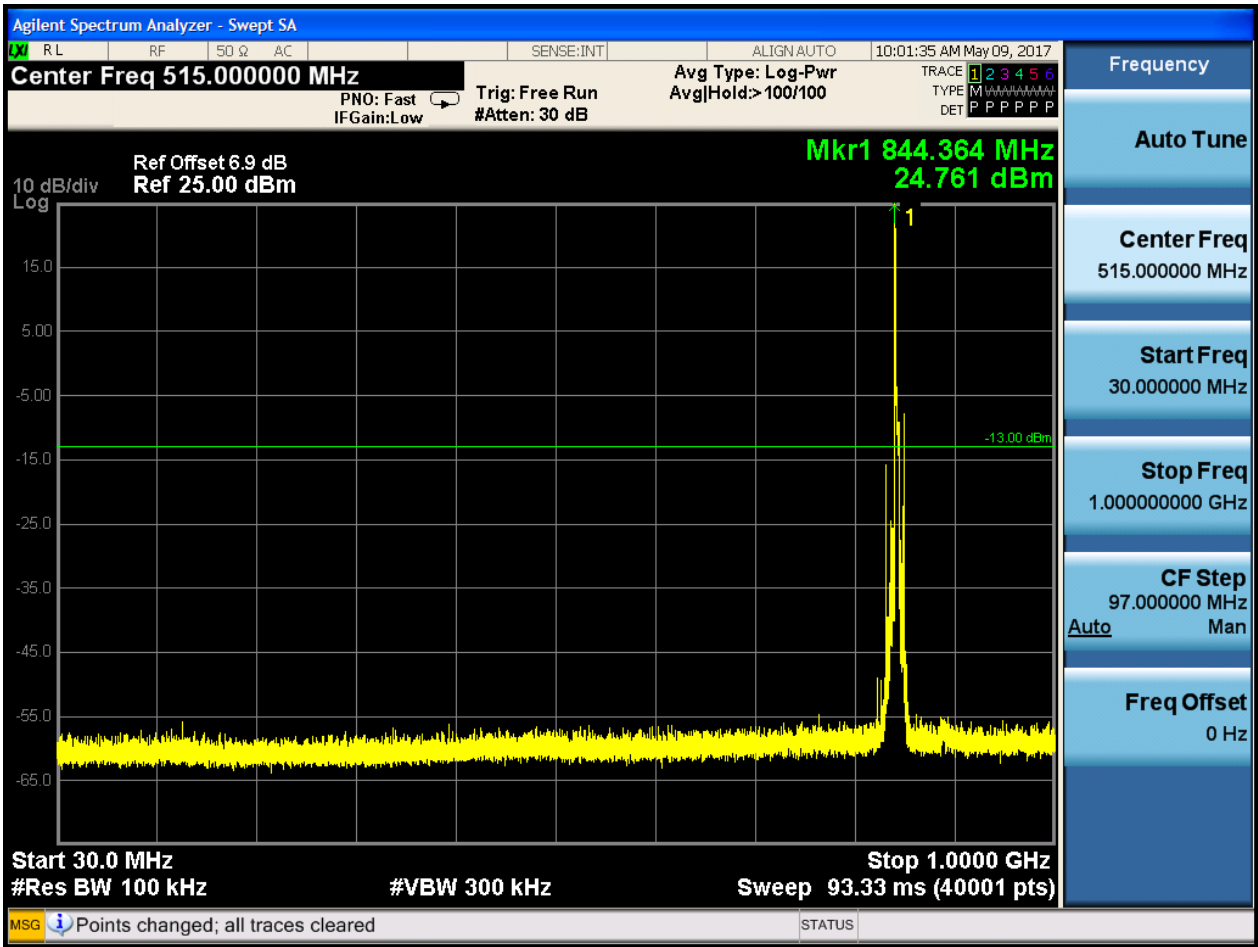


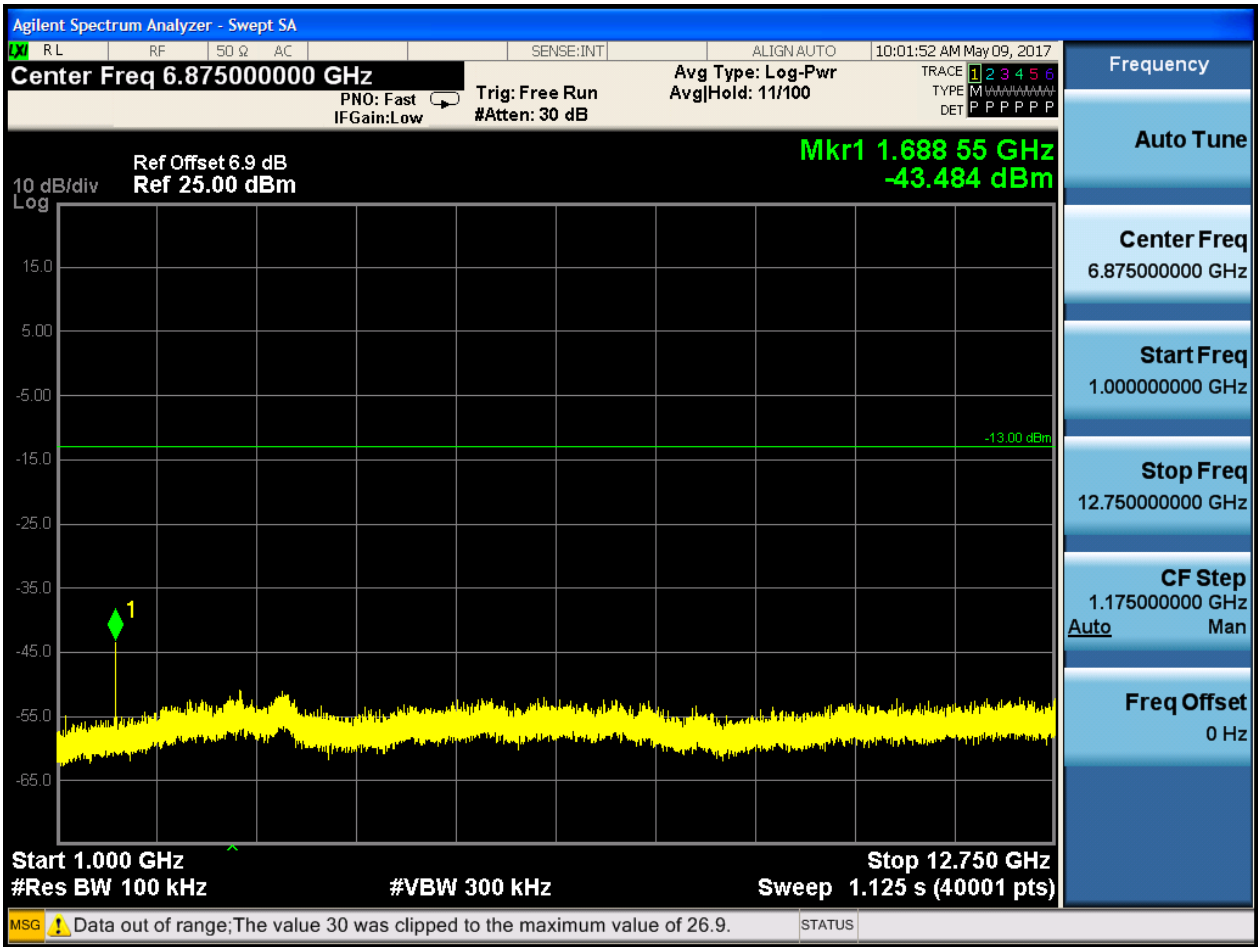
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







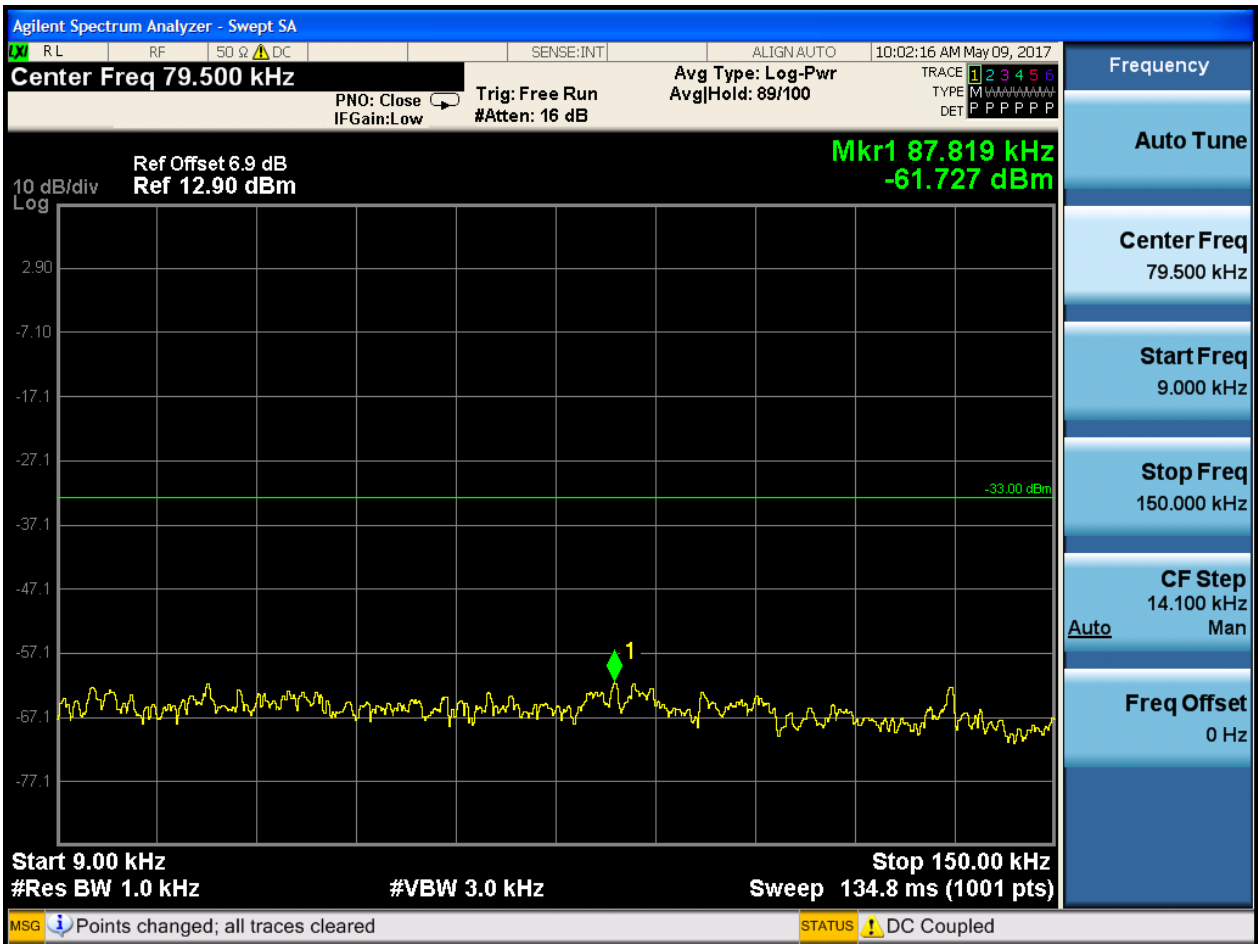


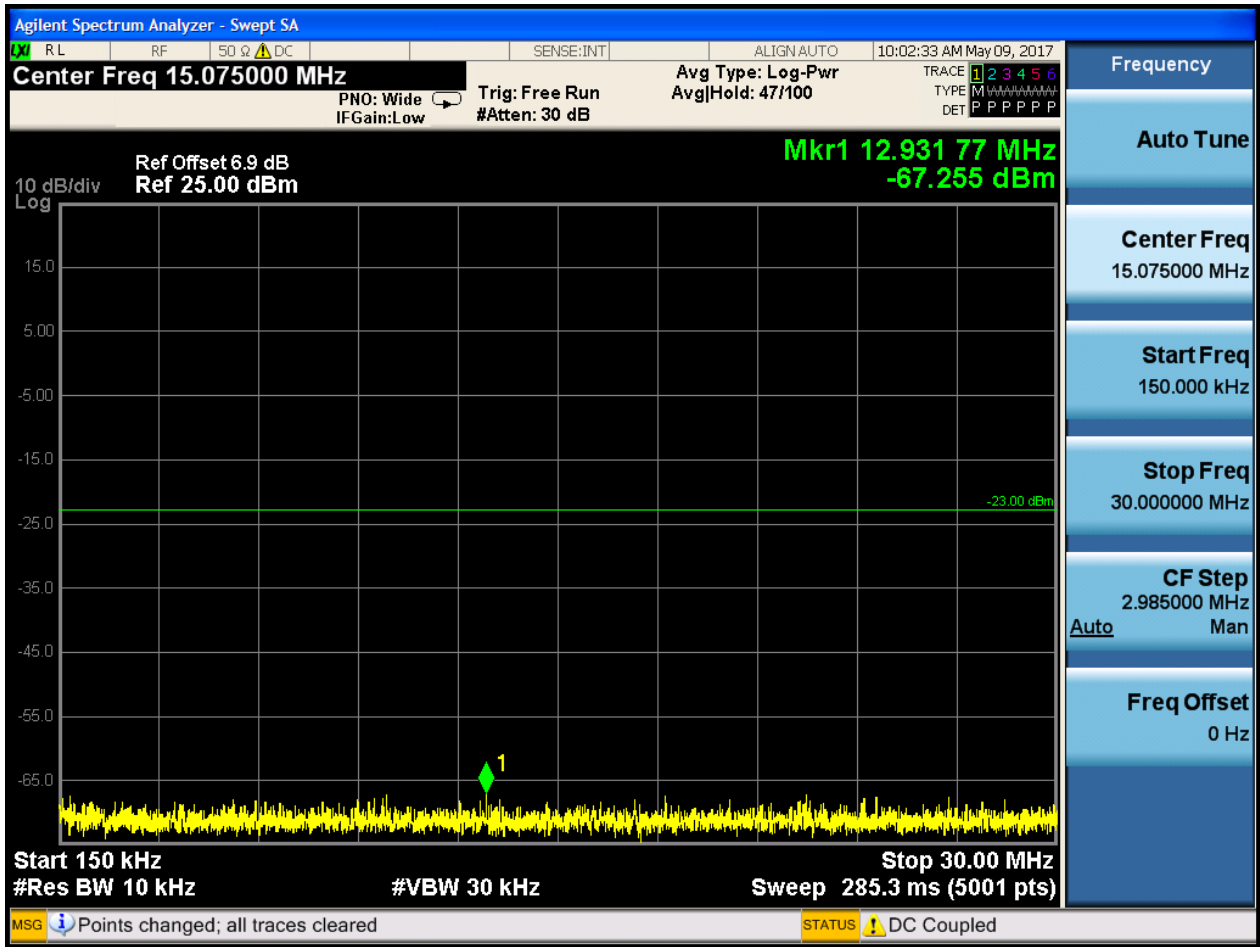


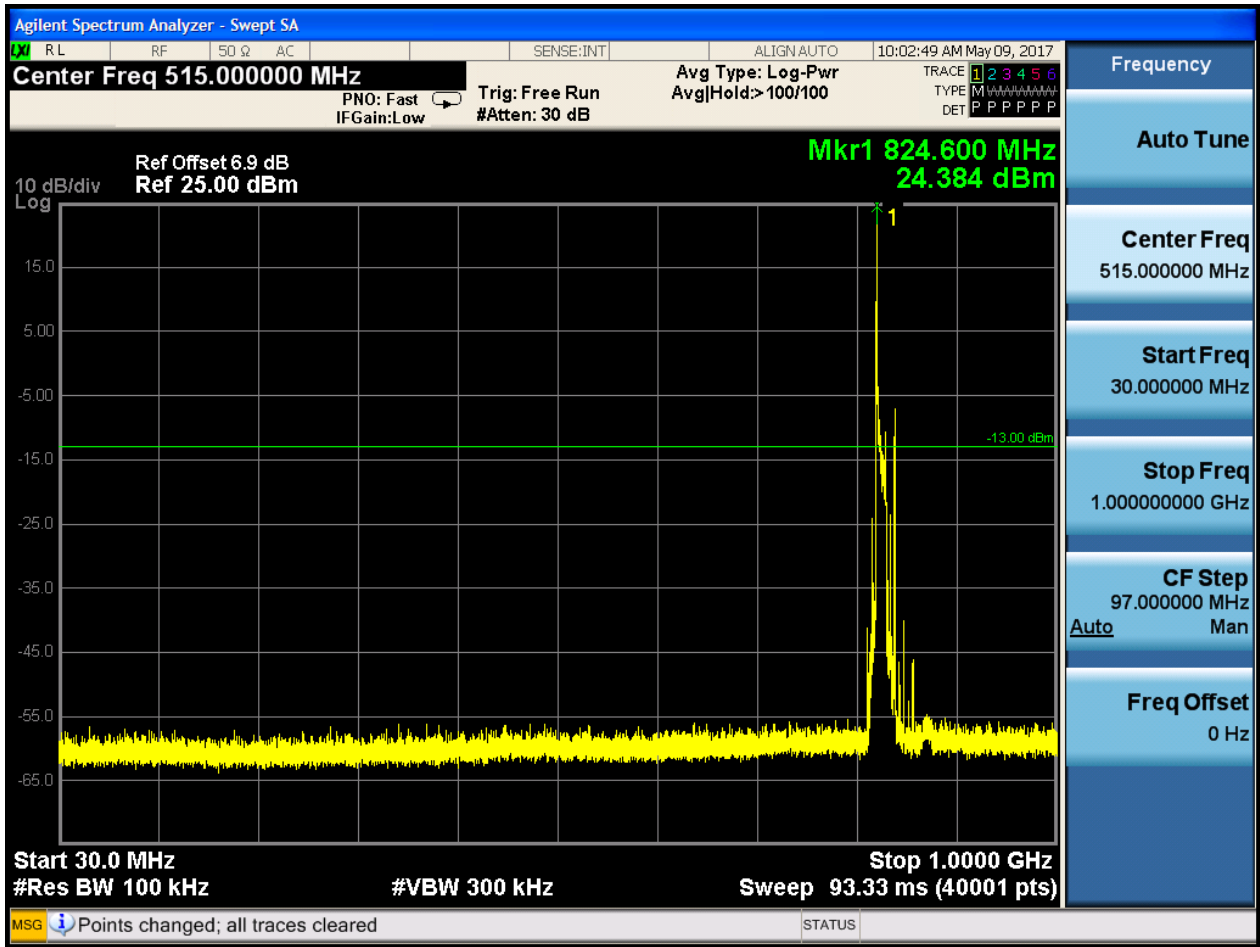
6.1.1.2.4 Test Bandwidth = 10

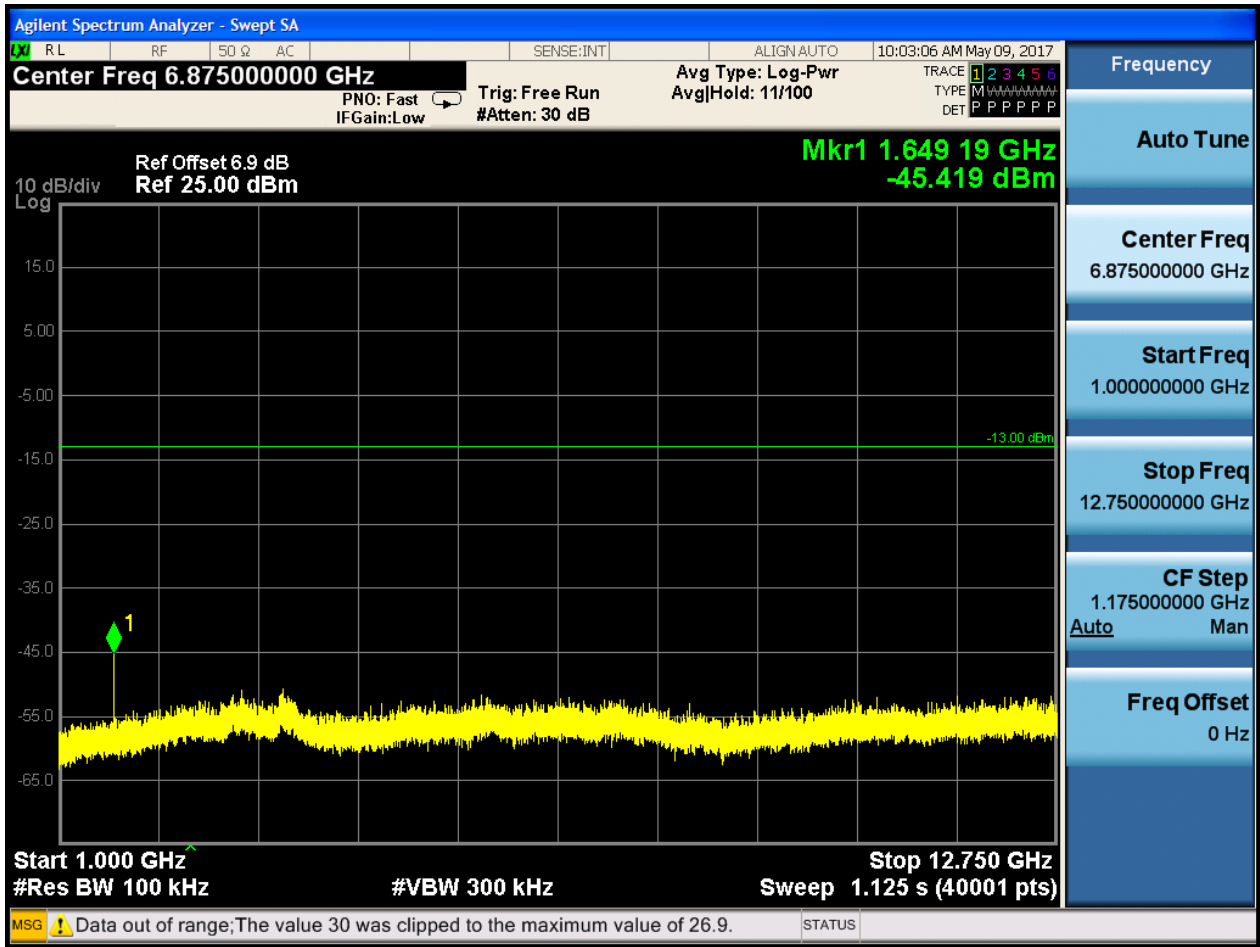
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0







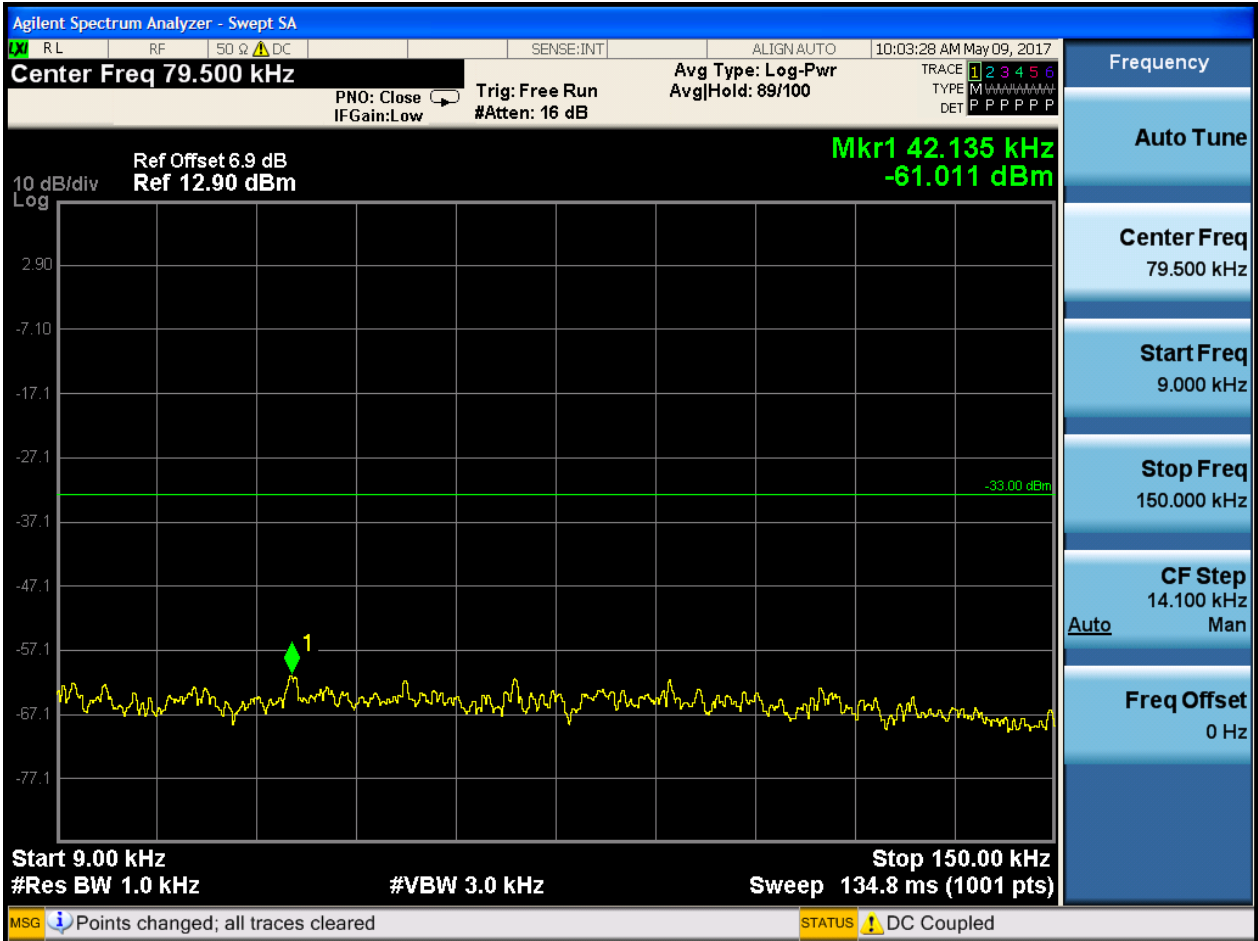


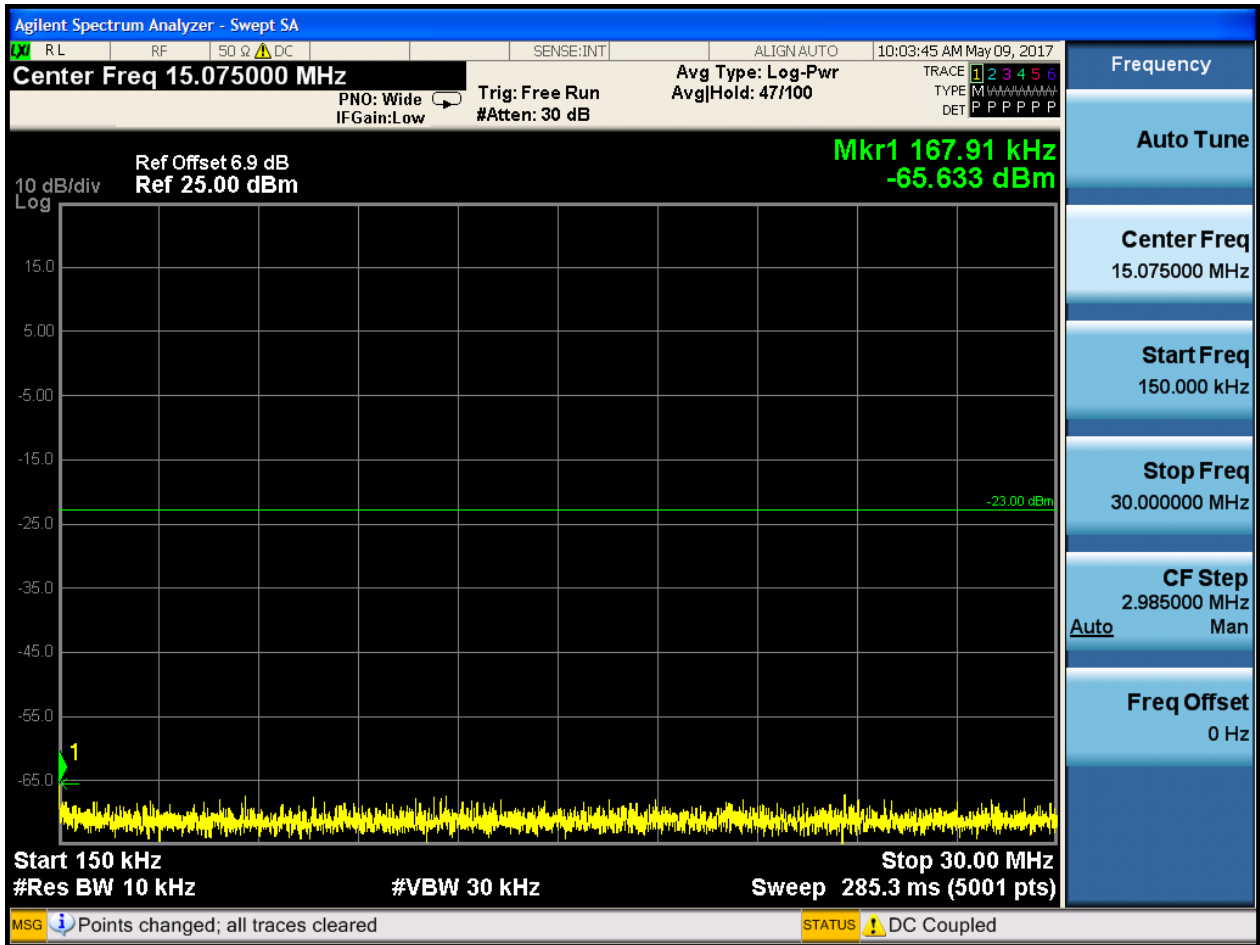


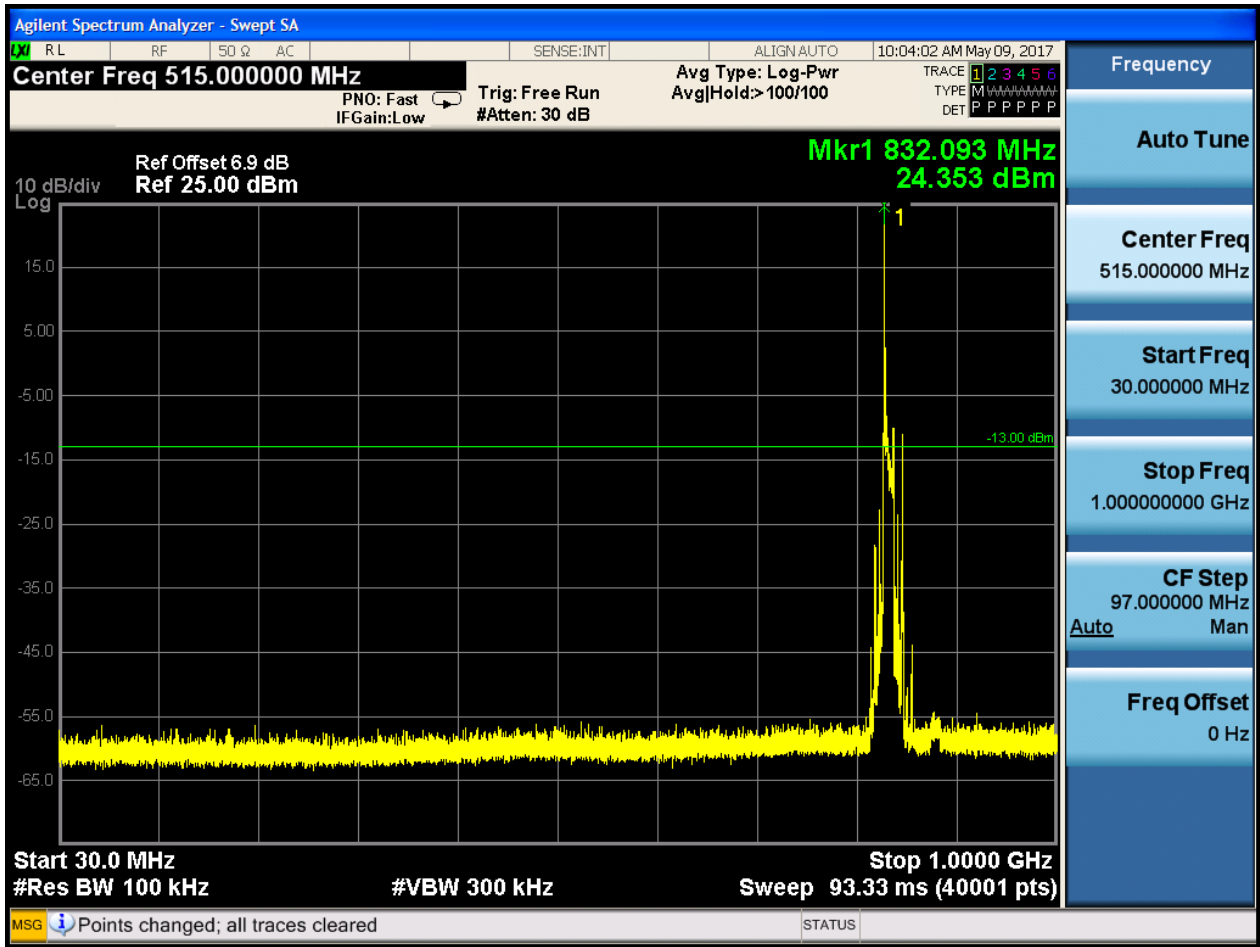


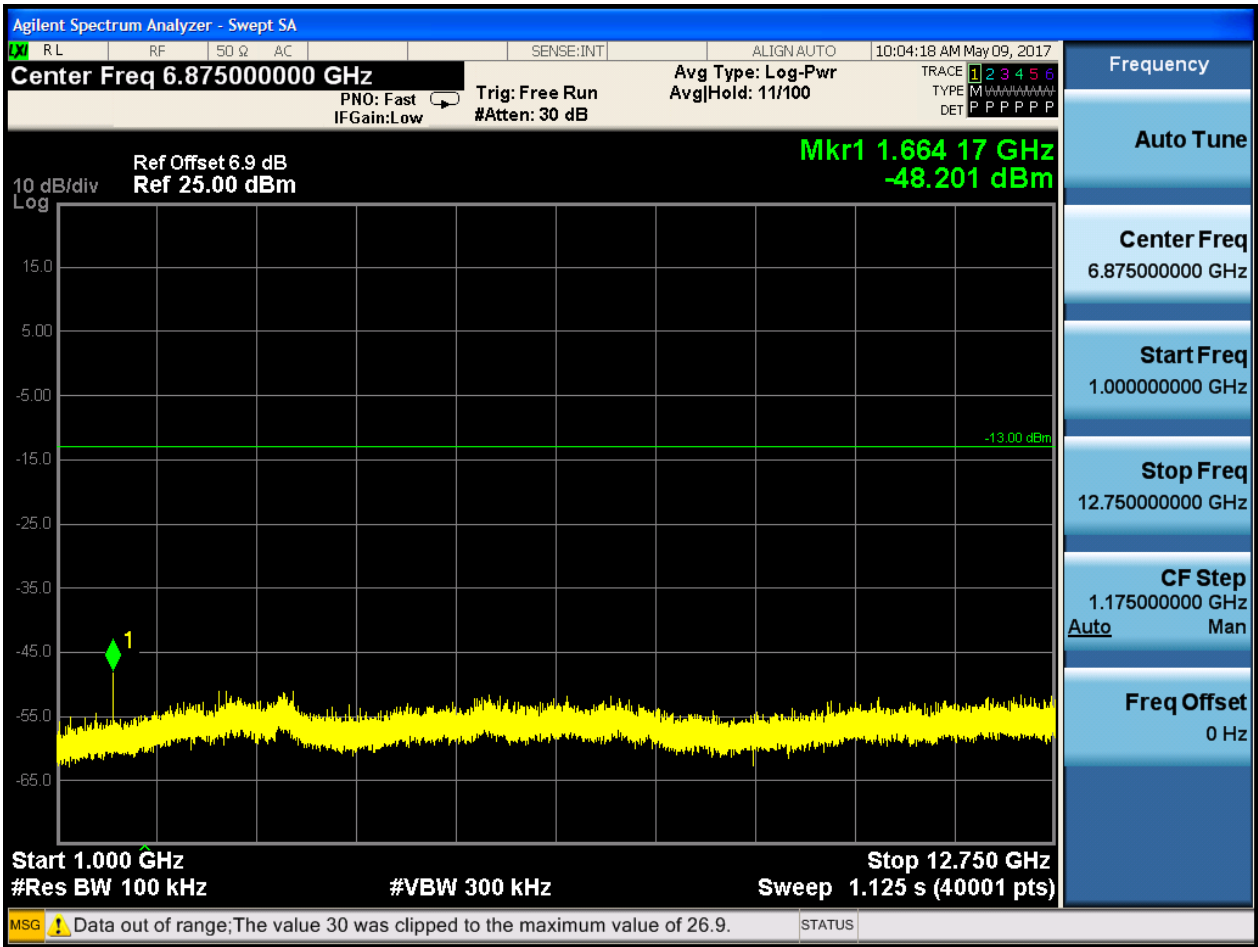
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





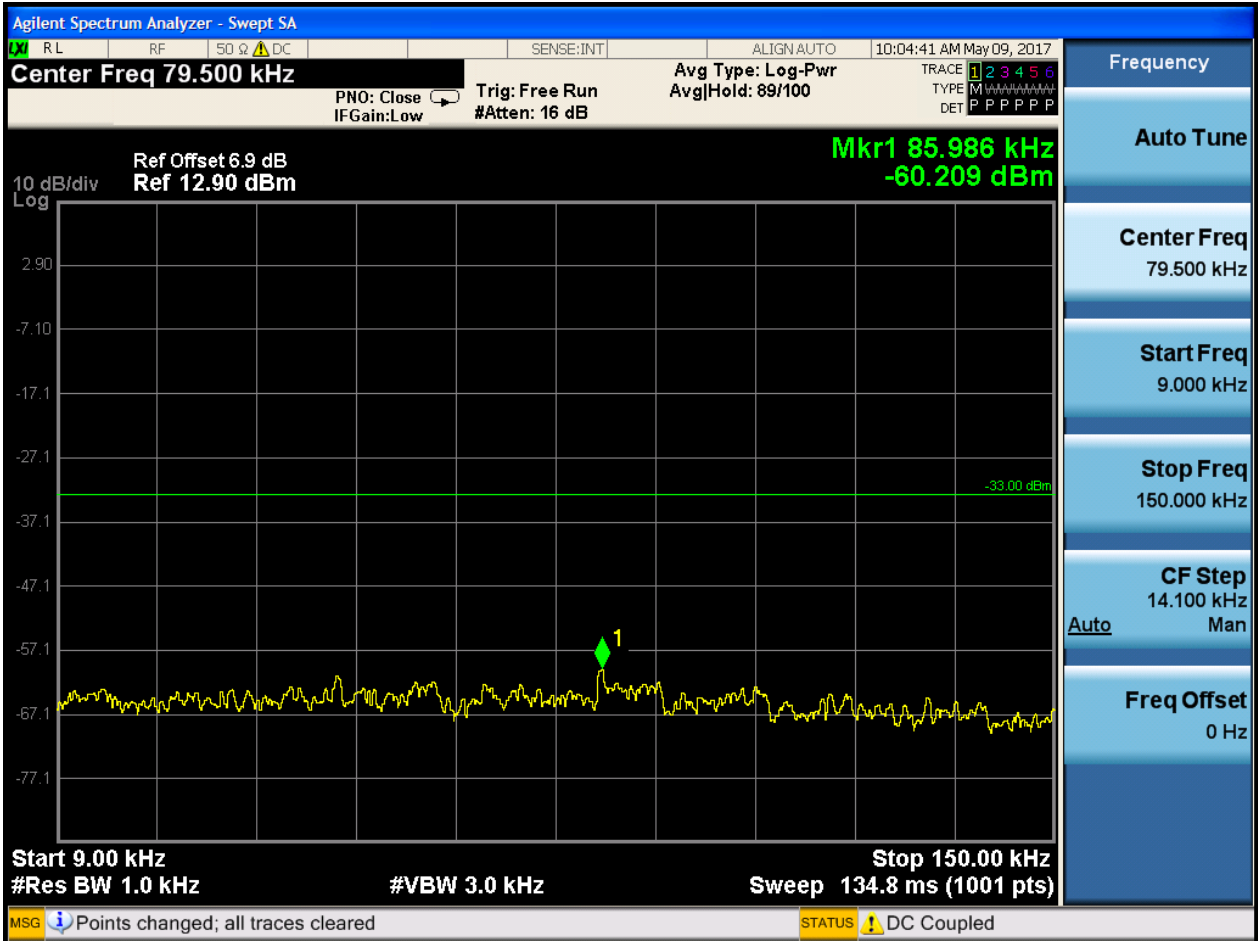


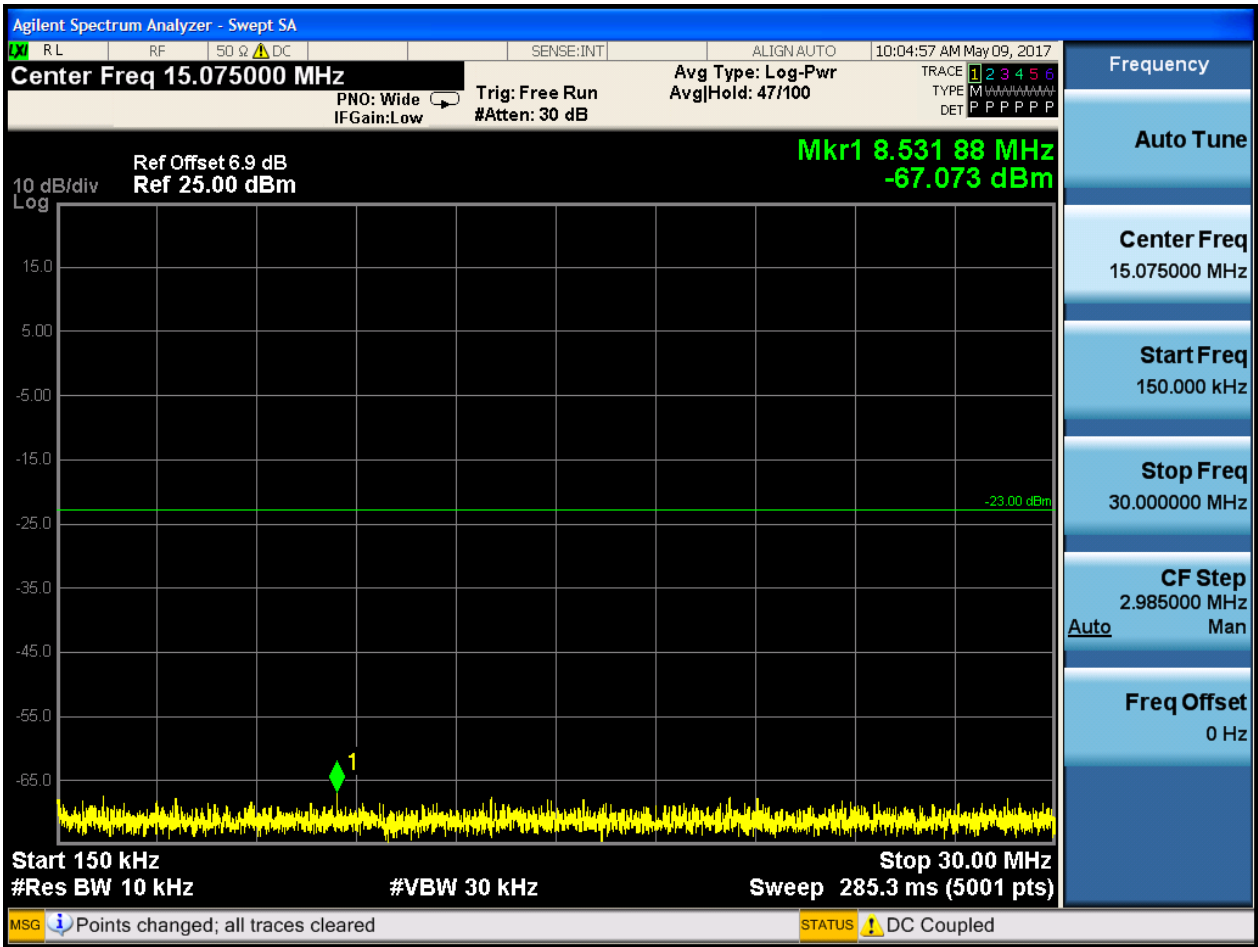


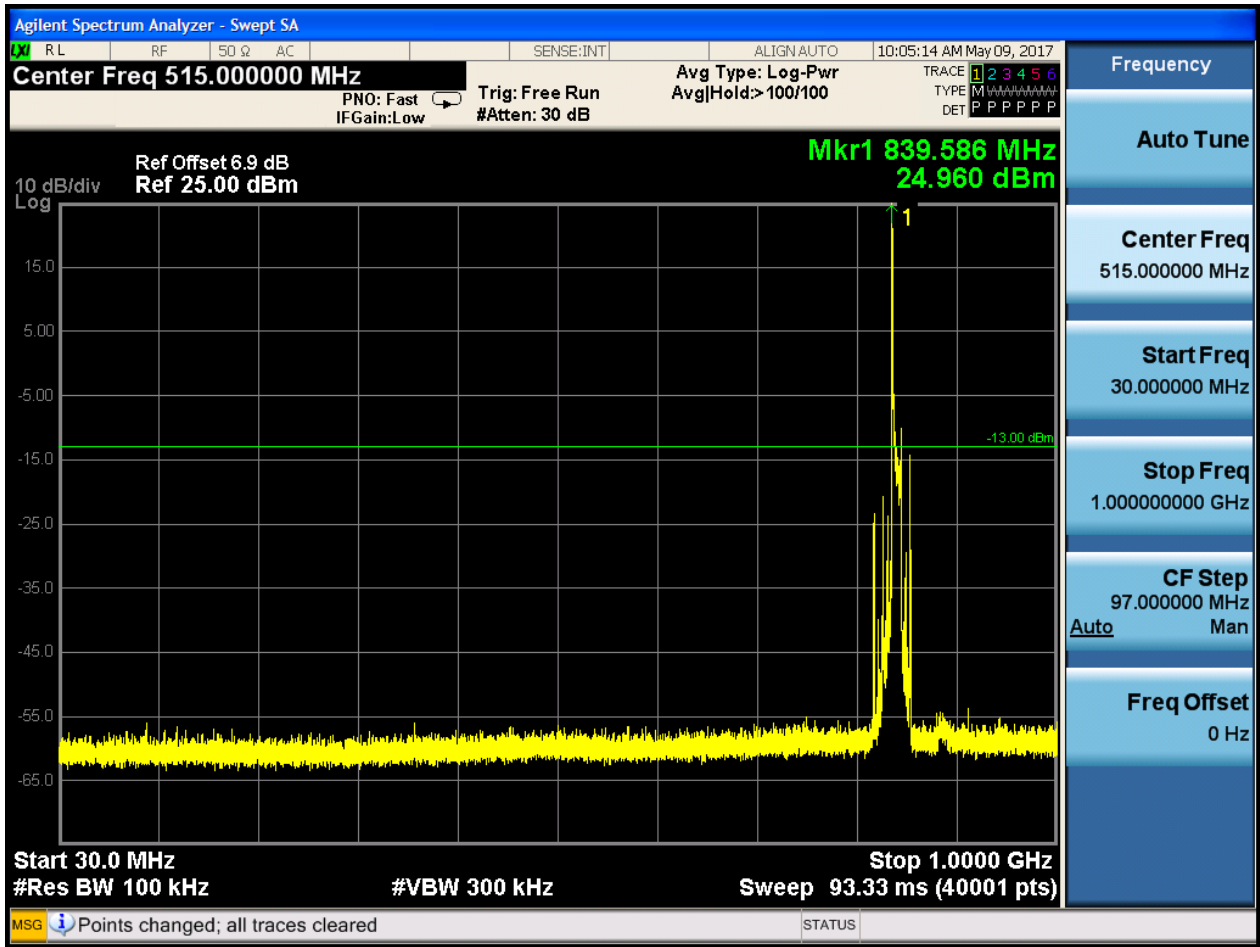


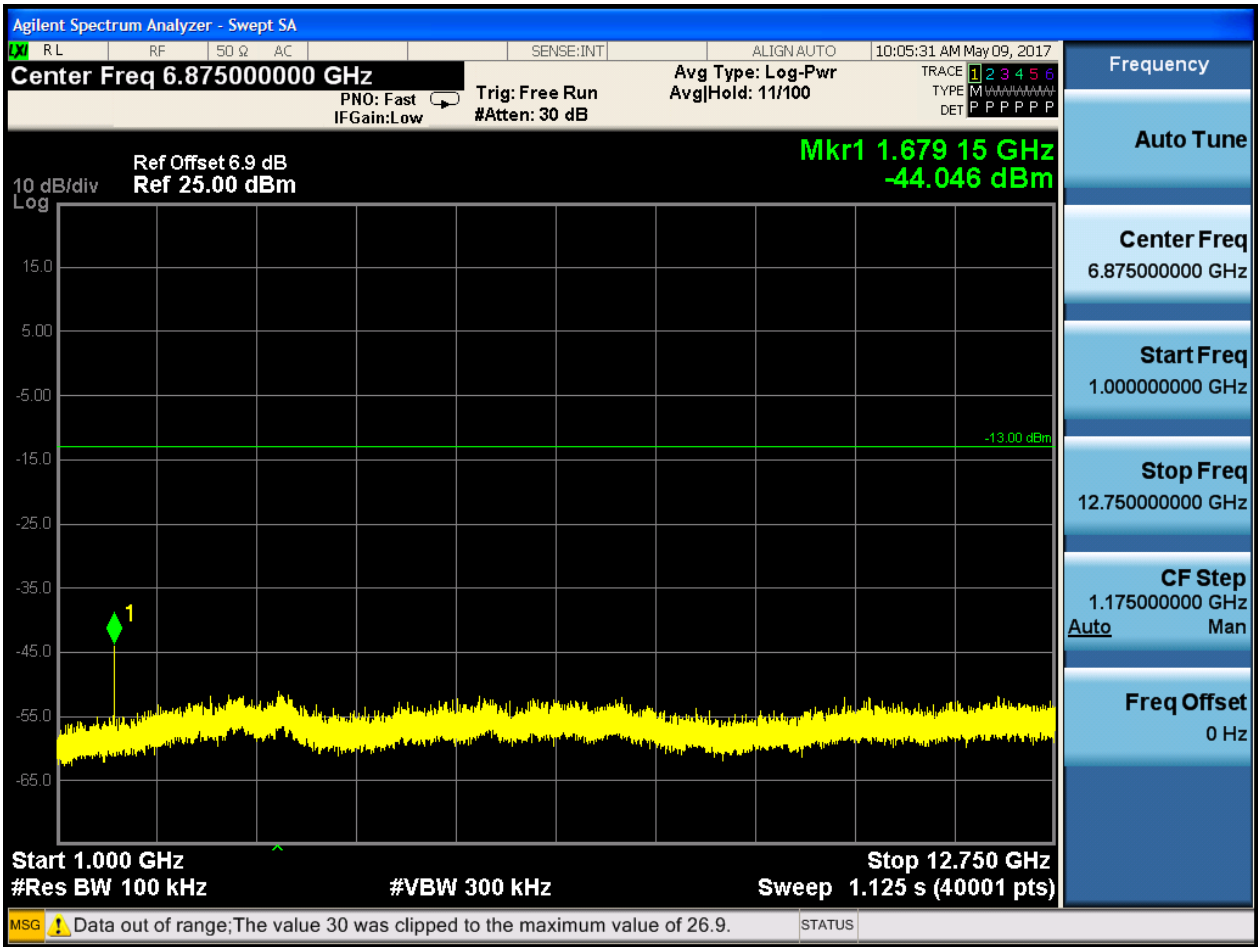
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0











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

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

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

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

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

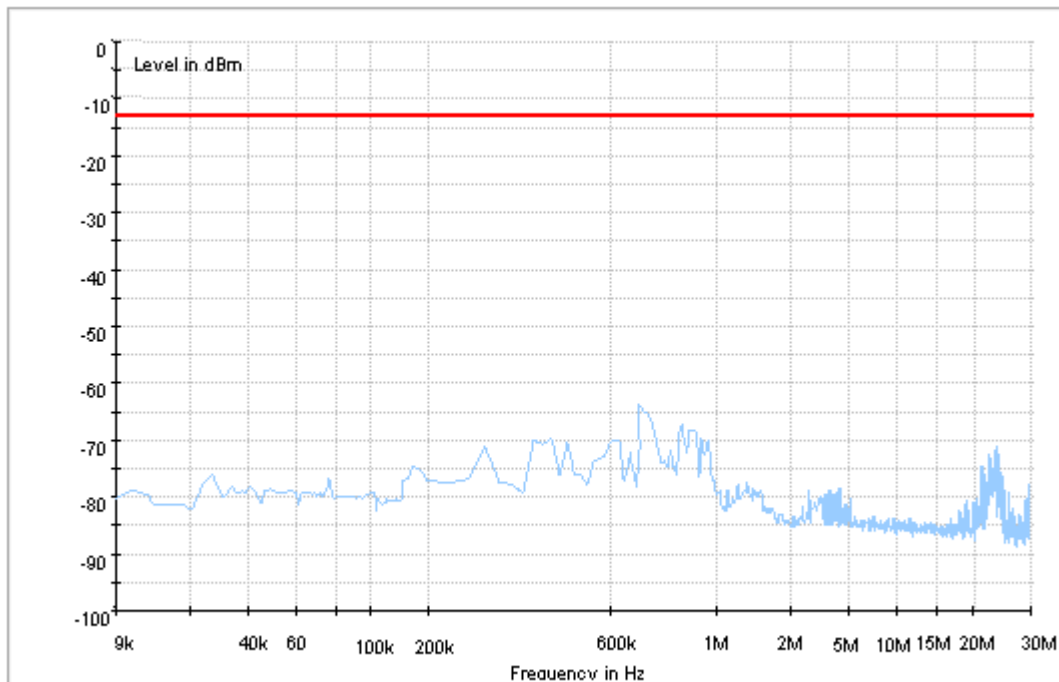
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

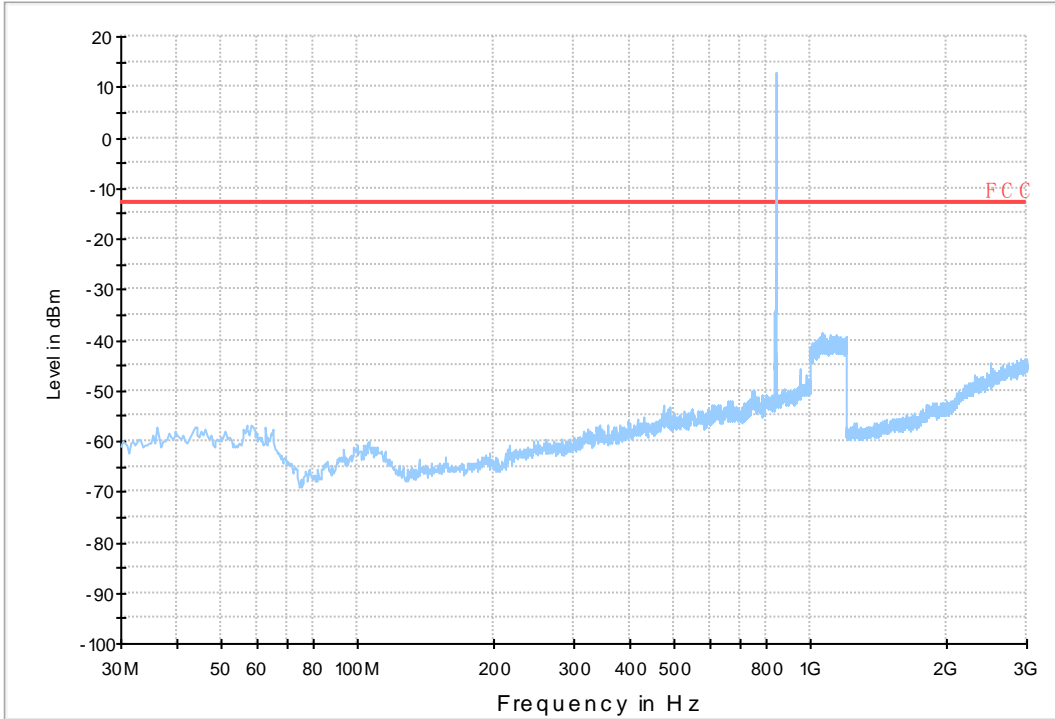
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND5\_ANT1

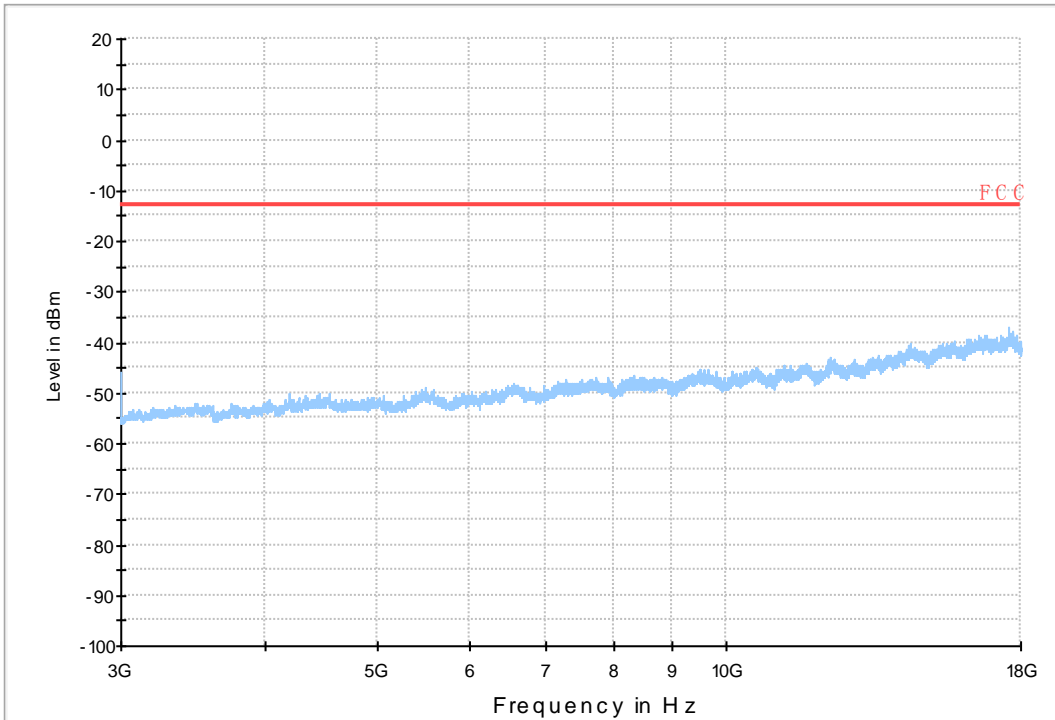
##### 7.1.1.1 Test Bandwidth = 1.4



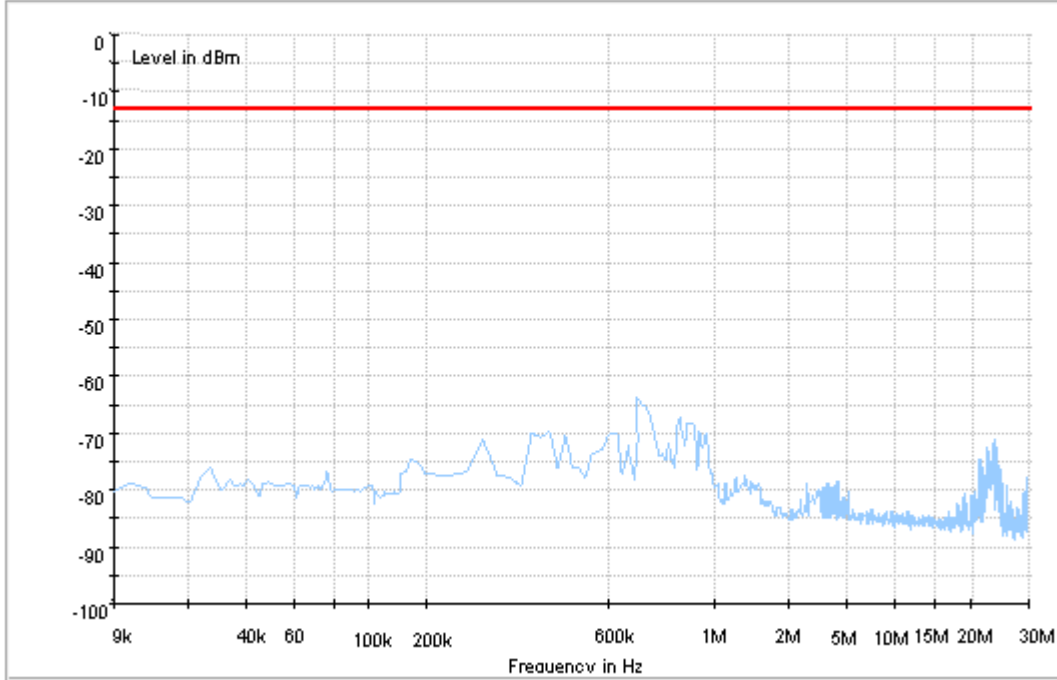
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



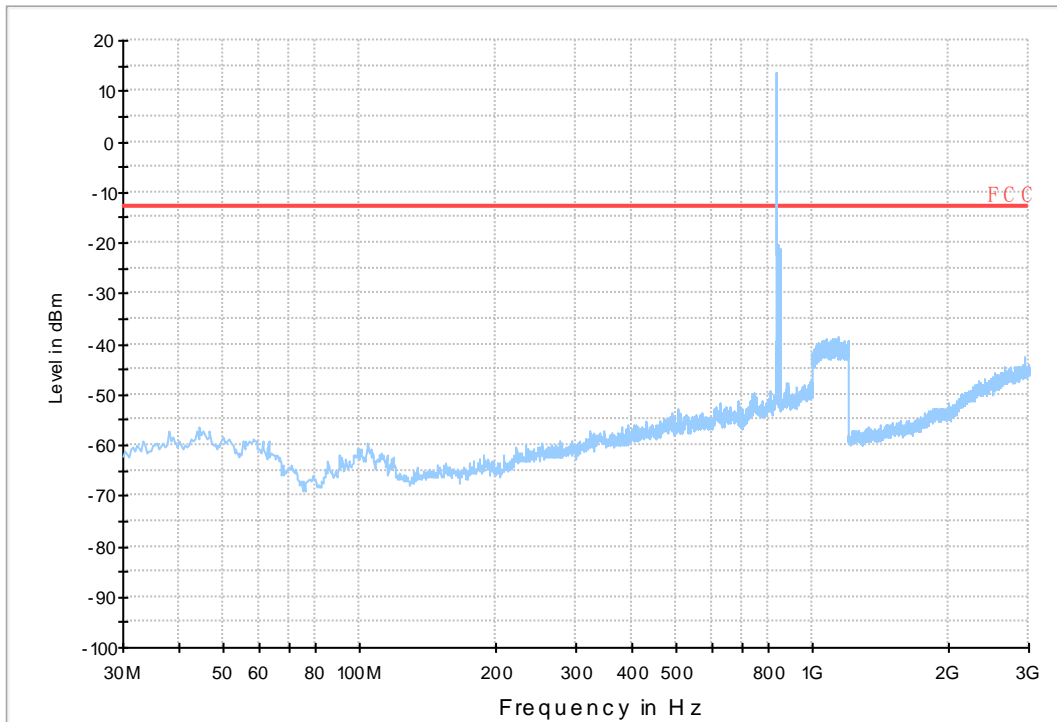
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



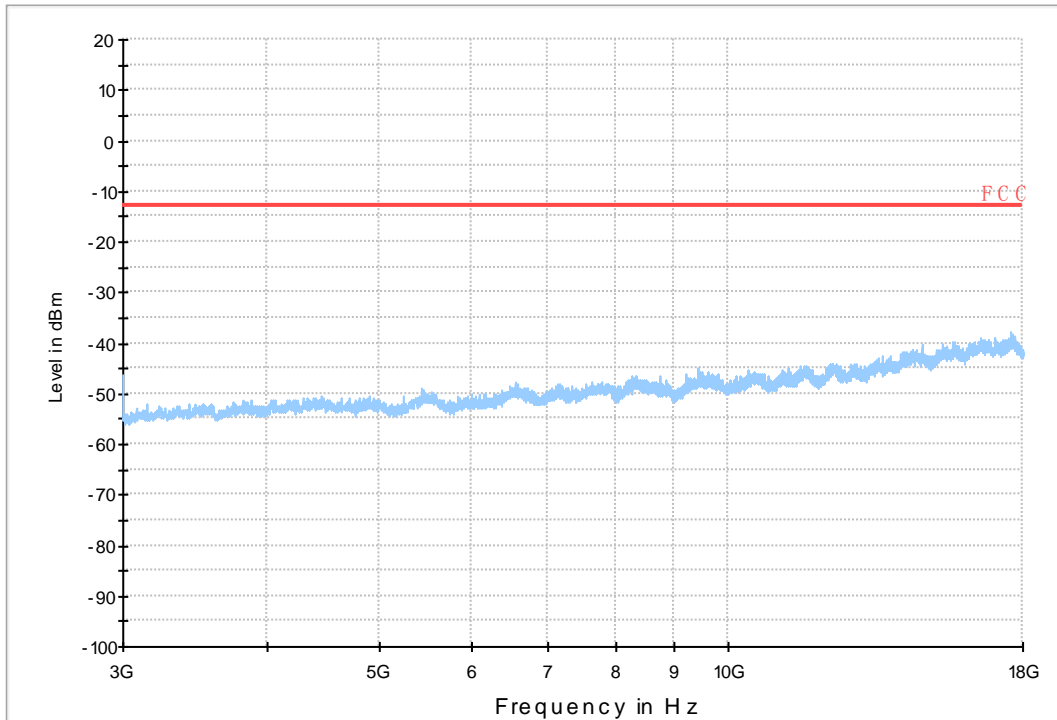
### 7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G\_L

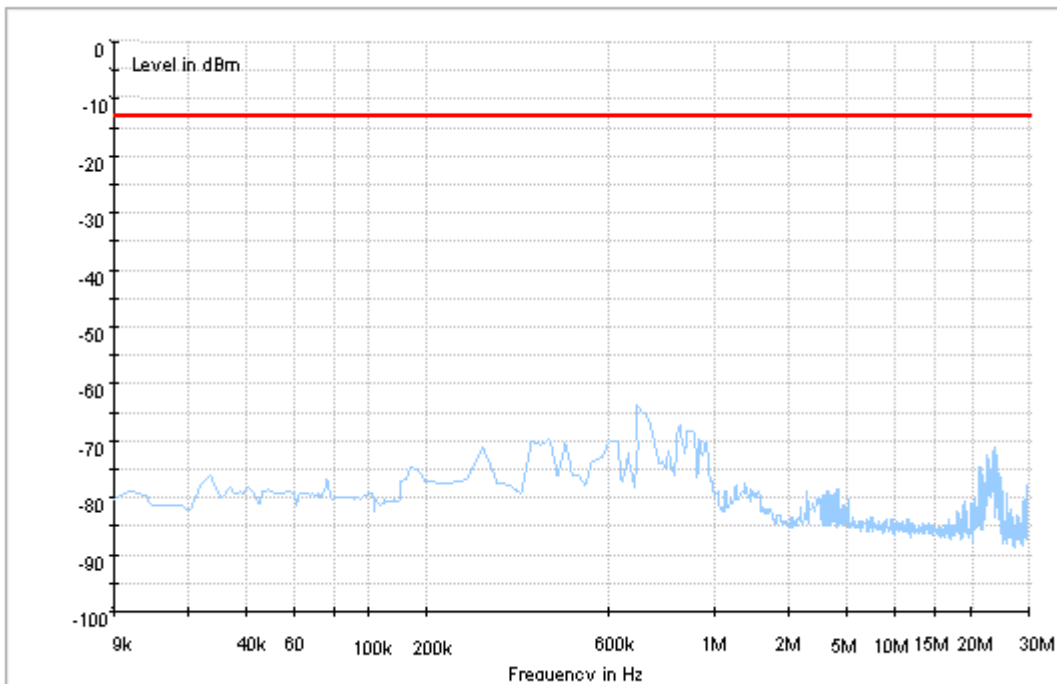


Copy of RSE-TX-DIRECTOR BELOW 1G\_H

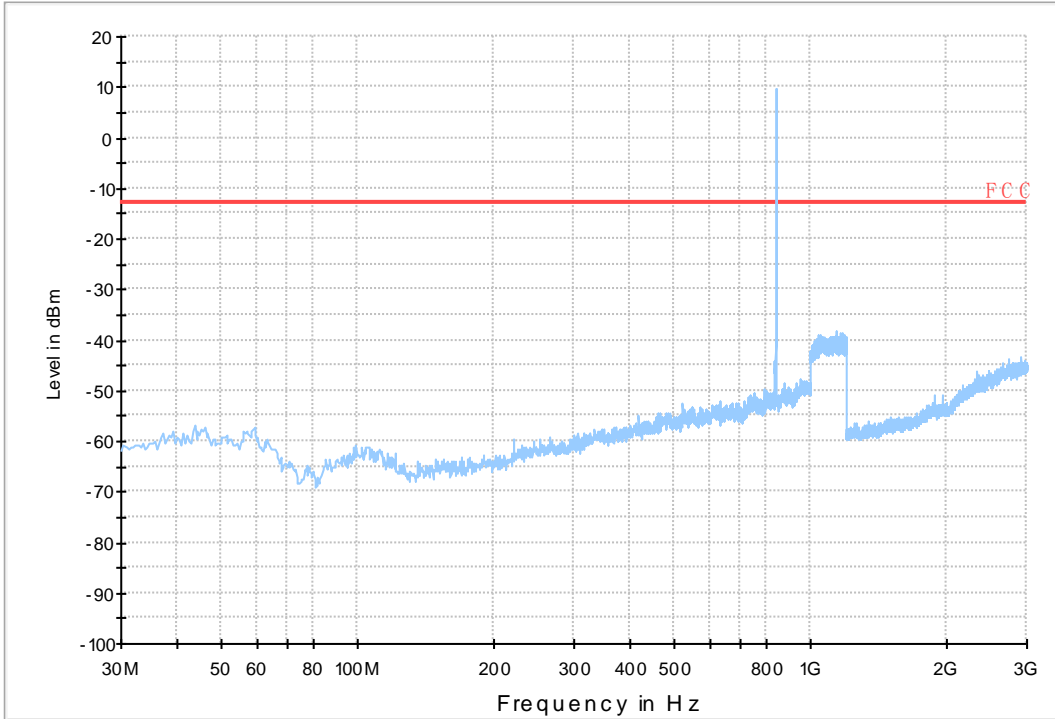


7.2.1 Test Band = BAND5\_ANT2

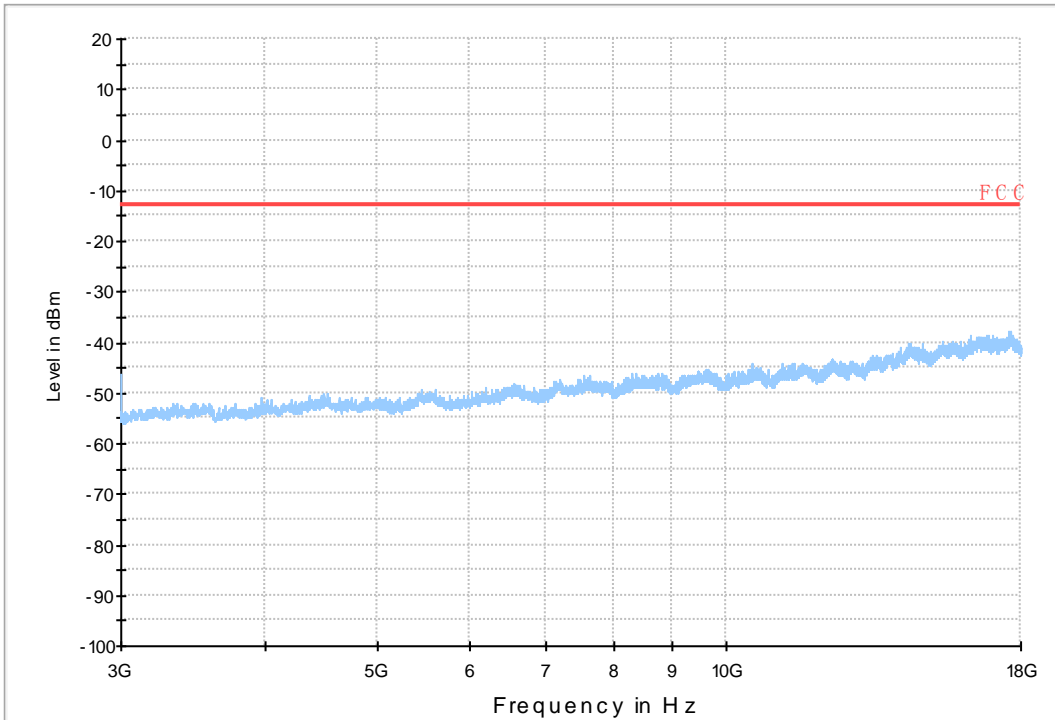
7.2.1.1 Test Bandwidth = 1.4



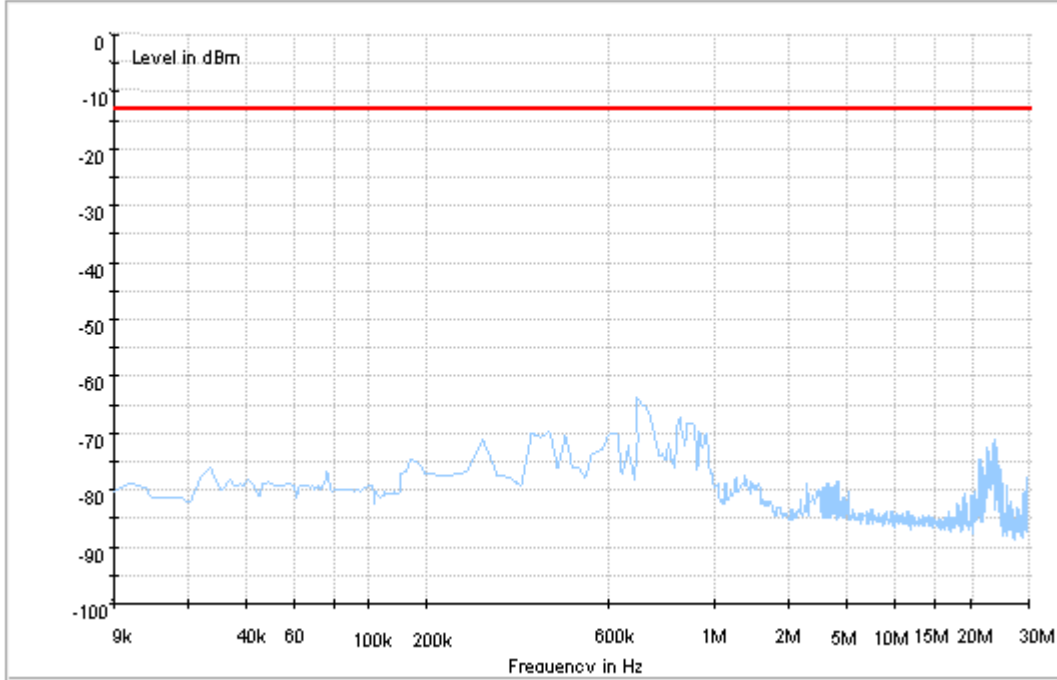
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



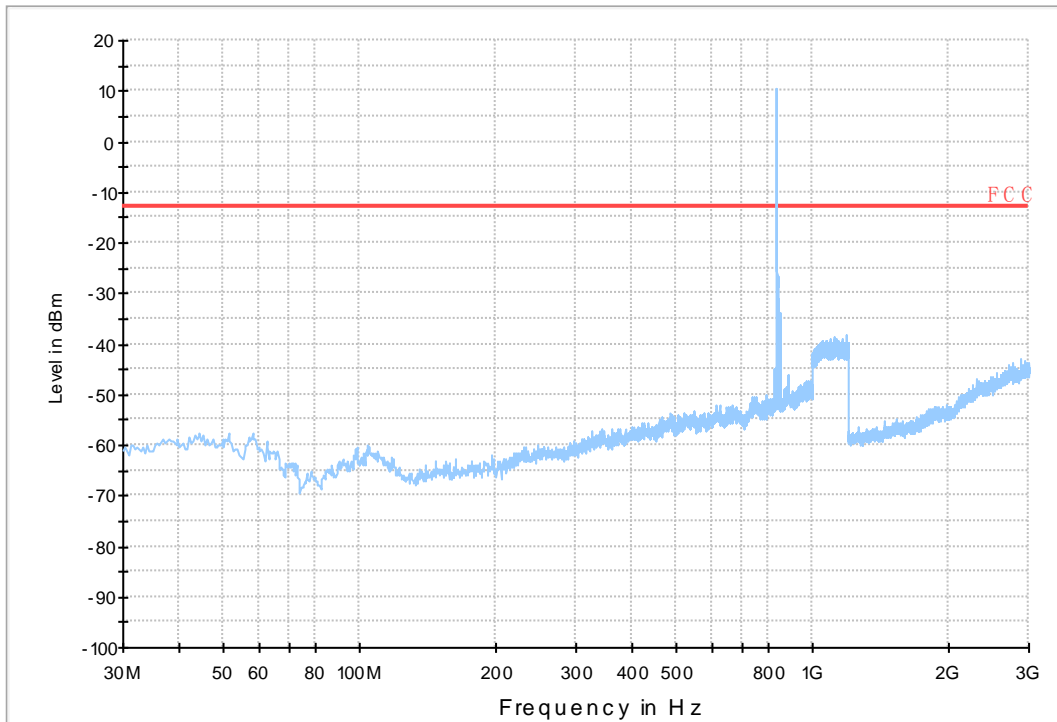
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



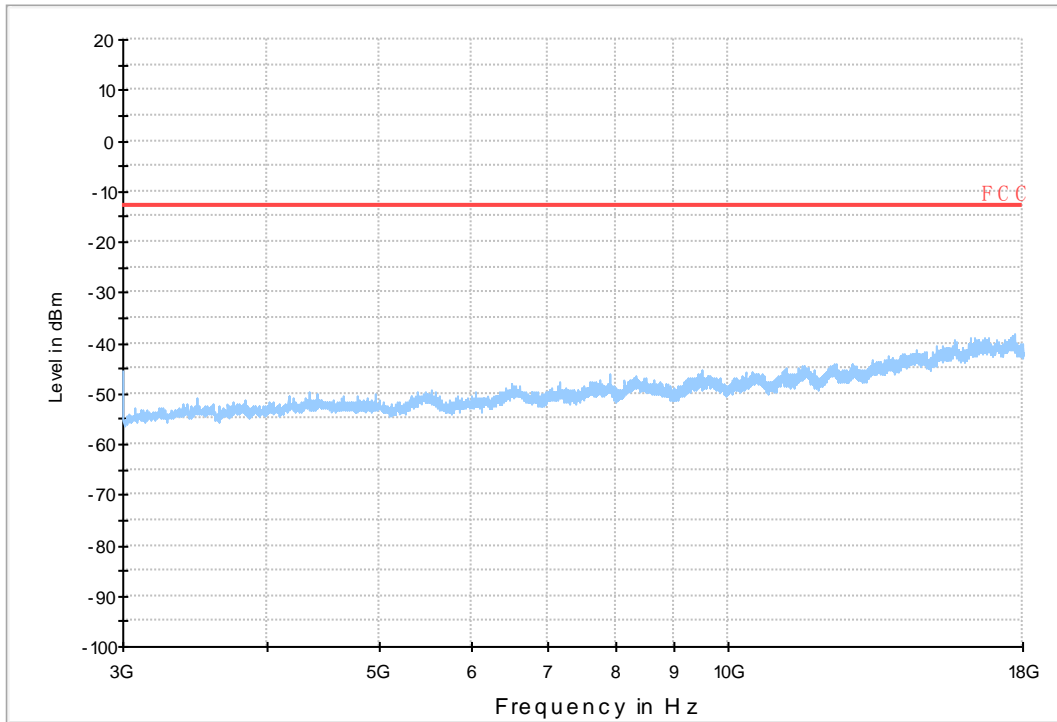
### 7.2.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G\_L



Copy of RSE-TX-DIRECTOR BELOW 1G\_H



## 8Appendix\_H: Frequency Stability

### 8.1 For LTE

#### 8.1.1Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND5     | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | -0.39            | -0.00047              | PASS    |
|           |           |                      |              |            | VN         | -0.84            | -0.00102              | PASS    |
|           |           |                      |              |            | VH         | 2.85             | 0.00346               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.68            | -0.0032               | PASS    |
|           |           |                      |              |            | VN         | 16.94            | 0.02025               | PASS    |
|           |           |                      |              |            | VH         | 0.27             | 0.00032               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.39            | -0.00046              | PASS    |
|           |           |                      |              |            | VN         | 12.37            | 0.01458               | PASS    |
|           |           |                      |              |            | VH         | 9.26             | 0.01092               | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | 2.62             | 0.00317               | PASS    |
|           |           |                      |              |            | VN         | -2.59            | -0.00314              | PASS    |
|           |           |                      |              |            | VH         | -2.62            | -0.00317              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -6.57            | -0.00785              | PASS    |
|           |           |                      |              |            | VN         | 0.47             | 0.00056               | PASS    |
|           |           |                      |              |            | VH         | -0.43            | -0.00051              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.13            | -0.00369              | PASS    |
|           |           |                      |              |            | VN         | -3.23            | -0.00381              | PASS    |
|           |           |                      |              |            | VH         | 0.84             | 0.00099               | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | 2.35             | 0.00284               | PASS    |
|           |           |                      |              |            | VN         | -1.09            | -0.00132              | PASS    |
|           |           |                      |              |            | VH         | 1.63             | 0.00197               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 1.09             | 0.0013                | PASS    |
|           |           |                      |              |            | VN         | -1.54            | -0.00184              | PASS    |
|           |           |                      |              |            | VH         | -2.03            | -0.00243              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.83            | -0.00334              | PASS    |
|           |           |                      |              |            | VN         | -1.44            | -0.0017               | PASS    |
|           |           |                      |              |            | VH         | -1.07            | -0.00126              | PASS    |
| 10        | LCH       | TN                   | VL           | 1.37       | 0.00165    | PASS             |                       |         |
|           |           |                      | VN           | -4.81      | -0.0058    | PASS             |                       |         |
|           |           |                      | VH           | -1.20      | -0.00145   | PASS             |                       |         |





| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|------|
|           |           |                      | MCH          | TN         | VL         | 0.30             | 0.00036               | PASS     |      |
|           |           |                      |              |            | VN         | 1.42             | 0.0017                | PASS     |      |
|           |           |                      |              |            | VH         | 7.04             | 0.00842               | PASS     |      |
|           |           |                      | HCH          | TN         | VL         | -1.13            | -0.00134              | PASS     |      |
|           |           |                      |              |            | VN         | -4.05            | -0.0048               | PASS     |      |
|           |           |                      |              |            | VH         | 3.12             | 0.0037                | PASS     |      |
|           |           | LTE/TM2              | 1.4          | LCH        | TN         | VL               | -6.74                 | -0.00817 | PASS |
|           |           |                      |              |            |            | VN               | 1.54                  | 0.00187  | PASS |
|           |           |                      |              |            |            | VH               | 5.74                  | 0.00696  | PASS |
|           |           |                      |              | MCH        | TN         | VL               | -17.31                | -0.02069 | PASS |
|           |           |                      |              |            |            | VN               | -2.37                 | -0.00283 | PASS |
|           |           |                      |              |            |            | VH               | -5.22                 | -0.00624 | PASS |
|           | HCH       |                      |              | TN         | VL         | 1.39             | 0.00164               | PASS     |      |
|           |           |                      |              |            | VN         | -5.54            | -0.00653              | PASS     |      |
|           |           |                      |              |            | VH         | -0.06            | -0.00007              | PASS     |      |
|           | 3         |                      |              | LCH        | TN         | VL               | 4.61                  | 0.00558  | PASS |
|           |           |                      |              |            |            | VN               | 1.32                  | 0.0016   | PASS |
|           |           |                      |              |            |            | VH               | 8.24                  | 0.00998  | PASS |
|           |           |                      | MCH          | TN         | VL         | 2.72             | 0.00325               | PASS     |      |
|           |           |                      |              |            | VN         | 0.11             | 0.00013               | PASS     |      |
|           |           |                      |              |            | VH         | -8.20            | -0.0098               | PASS     |      |
|           | HCH       |                      | TN           | VL         | -4.21      | -0.00497         | PASS                  |          |      |
|           |           |                      |              | VN         | 1.44       | 0.0017           | PASS                  |          |      |
|           |           |                      |              | VH         | 0.46       | 0.00054          | PASS                  |          |      |
|           | 5         | LCH                  | TN           | VL         | 0.04       | 0.00005          | PASS                  |          |      |
|           |           |                      |              | VN         | -2.92      | -0.00353         | PASS                  |          |      |
|           |           |                      |              | VH         | -2.96      | -0.00358         | PASS                  |          |      |
|           |           | MCH                  | TN           | VL         | 0.57       | 0.00068          | PASS                  |          |      |
|           |           |                      |              | VN         | -6.97      | -0.00833         | PASS                  |          |      |
|           |           |                      |              | VH         | -1.99      | -0.00238         | PASS                  |          |      |
|           |           | HCH                  | TN           | VL         | -1.73      | -0.00204         | PASS                  |          |      |
|           |           |                      |              | VN         | -6.11      | -0.00722         | PASS                  |          |      |
|           |           |                      |              | VH         | 2.03       | 0.0024           | PASS                  |          |      |
|           | 10        | LCH                  | TN           | VL         | -2.30      | -0.00277         | PASS                  |          |      |
|           |           |                      |              | VN         | -4.62      | -0.00557         | PASS                  |          |      |
|           |           |                      |              | VH         | -3.22      | -0.00388         | PASS                  |          |      |
| MCH       |           | TN                   | VL           | -1.20      | -0.00143   | PASS             |                       |          |      |
|           |           |                      | VN           | 1.79       | 0.00214    | PASS             |                       |          |      |
|           |           |                      | VH           | 5.38       | 0.00643    | PASS             |                       |          |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | TN         | VL         | -2.00            | -0.00237              | PASS    |
|           |           |                      |              |            | VN         | 0.66             | 0.00078               | PASS    |
|           |           |                      |              |            | VH         | -3.89            | -0.00461              | PASS    |

8.1.2 Frequency Error vs. Temperature:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND5     | LTE/TM1   | 1.4                  | LCH          | VN         | -30        | -4.85            | -0.00588              | PASS    |
|           |           |                      |              |            | -20        | -2.57            | -0.00312              | PASS    |
|           |           |                      |              |            | -10        | -1.86            | -0.00226              | PASS    |
|           |           |                      |              |            | 0          | 0.09             | 0.00011               | PASS    |
|           |           |                      |              |            | 10         | -4.72            | -0.00572              | PASS    |
|           |           |                      |              |            | 20         | 2.22             | 0.00269               | PASS    |
|           |           |                      |              |            | 30         | -5.35            | -0.00649              | PASS    |
|           |           |                      |              |            | 40         | 2.25             | 0.00273               | PASS    |
|           |           |                      | 50           | -6.25      | -0.00758   | PASS             |                       |         |
|           |           |                      | MCH          | VN         | -30        | -2.75            | -0.00329              | PASS    |
|           |           |                      |              |            | -20        | 6.72             | 0.00803               | PASS    |
|           |           |                      |              |            | -10        | -5.09            | -0.00608              | PASS    |
|           |           |                      |              |            | 0          | 0.13             | 0.00016               | PASS    |
|           |           |                      |              |            | 10         | 15.08            | 0.01803               | PASS    |
|           |           |                      |              |            | 20         | 6.52             | 0.00779               | PASS    |
|           |           |                      |              |            | 30         | -28.07           | -0.03356              | PASS    |
|           |           |                      |              |            | 40         | 19.04            | 0.02276               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 12.62            | 0.01488               | PASS    |
|           |           |                      |              |            | -20        | 2.20             | 0.00259               | PASS    |
|           |           |                      |              |            | -10        | -0.57            | -0.00067              | PASS    |
|           |           |                      |              |            | 0          | 17.51            | 0.02064               | PASS    |
|           |           |                      |              |            | 10         | 4.02             | 0.00474               | PASS    |
|           |           |                      |              |            | 20         | 10.24            | 0.01207               | PASS    |
|           |           |                      |              |            | 30         | 0.06             | 0.00007               | PASS    |
|           |           | 40                   |              |            | 7.95       | 0.00937          | PASS                  |         |
|           |           | 3                    | LCH          | VN         | -30        | 1.53             | 0.00185               | PASS    |
|           |           |                      |              |            | -20        | -1.07            | -0.0013               | PASS    |
|           |           |                      |              |            | -10        | -0.80            | -0.00097              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |          |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|----------|------|
|           |           |                      |              |            | 0          | -2.03            | -0.00246              | PASS    |          |      |
|           |           |                      |              |            | 10         | -0.82            | -0.00099              | PASS    |          |      |
|           |           |                      |              |            | 20         | -1.53            | -0.00185              | PASS    |          |      |
|           |           |                      |              |            | 30         | -1.04            | -0.00126              | PASS    |          |      |
|           |           |                      |              |            | 40         | -1.50            | -0.00182              | PASS    |          |      |
|           |           |                      |              |            | 50         | 1.70             | 0.00206               | PASS    |          |      |
|           |           |                      | MCH          | VN         | -30        | 1.90             | 0.00227               | PASS    |          |      |
|           |           |                      |              |            | -20        | -2.30            | -0.00275              | PASS    |          |      |
|           |           |                      |              |            | -10        | -11.43           | -0.01366              | PASS    |          |      |
|           |           |                      |              |            | 0          | -0.77            | -0.00092              | PASS    |          |      |
|           |           |                      |              |            | 10         | -2.05            | -0.00245              | PASS    |          |      |
|           |           |                      |              |            | 20         | -1.10            | -0.00132              | PASS    |          |      |
|           |           |                      | HCH          | VN         | 30         | -1.10            | -0.00132              | PASS    |          |      |
|           |           |                      |              |            | 40         | -1.77            | -0.00212              | PASS    |          |      |
|           |           |                      |              |            | 50         | -0.77            | -0.00092              | PASS    |          |      |
|           |           |                      |              |            | -30        | -0.90            | -0.00106              | PASS    |          |      |
|           |           |                      |              |            | -20        | 0.13             | 0.00015               | PASS    |          |      |
|           |           |                      |              |            | -10        | 1.69             | 0.00199               | PASS    |          |      |
|           |           | 5                    | LCH          | VN         | 0          | -4.55            | -0.00537              | PASS    |          |      |
|           |           |                      |              |            | 10         | 2.65             | 0.00313               | PASS    |          |      |
|           |           |                      |              |            | 20         | 1.46             | 0.00172               | PASS    |          |      |
|           |           |                      |              |            | 30         | 1.27             | 0.0015                | PASS    |          |      |
|           |           |                      |              |            | 40         | -1.95            | -0.0023               | PASS    |          |      |
|           |           |                      |              |            | 50         | 4.98             | 0.00588               | PASS    |          |      |
|           |           |                      | MCH          | VN         | -30        | -0.97            | -0.00117              | PASS    |          |      |
|           |           |                      |              |            | -20        | 0.26             | 0.00031               | PASS    |          |      |
|           |           |                      |              |            | -10        | -1.56            | -0.00189              | PASS    |          |      |
|           |           |                      |              |            | 0          | -1.63            | -0.00197              | PASS    |          |      |
|           |           |                      |              |            | 10         | -2.02            | -0.00244              | PASS    |          |      |
|           |           |                      |              |            | 20         | -2.89            | -0.0035               | PASS    |          |      |
|           |           |                      |              |            |            |                  | 30                    | 1.33    | 0.00161  | PASS |
|           |           |                      |              |            |            |                  | 40                    | -1.02   | -0.00123 | PASS |
|           |           |                      |              |            |            |                  | 50                    | -1.59   | -0.00192 | PASS |
|           |           |                      |              |            |            |                  | -30                   | -1.22   | -0.00146 | PASS |
|           |           |                      |              |            |            |                  | -20                   | -0.69   | -0.00082 | PASS |
|           |           |                      |              |            |            |                  | -10                   | 0.59    | 0.00071  | PASS |
|           |           |                      |              |            |            |                  | 0                     | -1.56   | -0.00186 | PASS |
|           |           |                      |              |            |            |                  | 10                    | -0.73   | -0.00087 | PASS |
|           |           |                      |              |            |            |                  | 20                    | -0.49   | -0.00059 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |          |          |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|----------|----------|------|
|           |           |                      |              |            | 30         | -2.22            | -0.00265              | PASS    |          |          |      |
|           |           |                      |              |            | 40         | -3.08            | -0.00368              | PASS    |          |          |      |
|           |           |                      |              |            | 50         | -1.65            | -0.00197              | PASS    |          |          |      |
|           |           |                      | HCH          | VN         | -30        | 7.18             | 0.00848               | PASS    |          |          |      |
|           |           |                      |              |            | -20        | -7.28            | -0.0086               | PASS    |          |          |      |
|           |           |                      |              |            | -10        | 4.65             | 0.00549               | PASS    |          |          |      |
|           |           |                      |              |            | 0          | 5.21             | 0.00615               | PASS    |          |          |      |
|           |           |                      |              |            | 10         | -2.72            | -0.00321              | PASS    |          |          |      |
|           |           |                      |              |            | 20         | -3.00            | -0.00354              | PASS    |          |          |      |
|           |           |                      |              |            | 30         | 16.11            | 0.01903               | PASS    |          |          |      |
|           |           |                      |              |            | 40         | -1.59            | -0.00188              | PASS    |          |          |      |
|           |           |                      |              |            | 50         | 8.11             | 0.00958               | PASS    |          |          |      |
|           |           |                      |              |            | 10         | LCH              | VN                    | -30     | -5.25    | -0.00633 | PASS |
|           |           |                      |              |            |            |                  |                       | -20     | -3.76    | -0.00454 | PASS |
|           |           |                      |              |            |            |                  |                       | -10     | -3.79    | -0.00457 | PASS |
|           |           | 0                    | -3.68        | -0.00444   |            |                  |                       | PASS    |          |          |      |
|           |           | 10                   | -0.87        | -0.00105   |            |                  |                       | PASS    |          |          |      |
|           |           | 20                   | -3.62        | -0.00437   |            |                  |                       | PASS    |          |          |      |
|           |           | 30                   | -5.99        | -0.00723   |            |                  |                       | PASS    |          |          |      |
|           |           | 40                   | -3.96        | -0.00478   |            |                  |                       | PASS    |          |          |      |
|           |           | 50                   | -2.57        | -0.0031    |            |                  |                       | PASS    |          |          |      |
|           |           | MCH                  | VN           | -30        |            |                  |                       | -5.24   | -0.00626 | PASS     |      |
|           |           |                      |              | -20        |            |                  |                       | -3.71   | -0.00444 | PASS     |      |
|           |           |                      |              | -10        |            |                  |                       | -4.18   | -0.005   | PASS     |      |
|           |           |                      |              | 0          |            |                  |                       | 2.15    | 0.00257  | PASS     |      |
|           |           |                      |              | 10         |            |                  |                       | -2.13   | -0.00255 | PASS     |      |
|           |           |                      |              | 20         |            |                  |                       | 1.09    | 0.0013   | PASS     |      |
|           |           |                      |              | 30         | -1.90      | -0.00227         | PASS                  |         |          |          |      |
|           |           |                      |              | 40         | 1.12       | 0.00134          | PASS                  |         |          |          |      |
|           |           |                      |              | 50         | -0.97      | -0.00116         | PASS                  |         |          |          |      |
|           |           |                      |              | HCH        | VN         | -30              | 2.20                  | 0.00261 | PASS     |          |      |
|           |           | -20                  | -1.32        |            |            | -0.00156         | PASS                  |         |          |          |      |
|           |           | -10                  | -1.27        |            |            | -0.0015          | PASS                  |         |          |          |      |
|           |           | 0                    | 2.19         |            |            | 0.00259          | PASS                  |         |          |          |      |
|           |           | 10                   | -2.57        |            |            | -0.00305         | PASS                  |         |          |          |      |
|           |           | 20                   | 1.12         |            |            | 0.00133          | PASS                  |         |          |          |      |
|           |           | 30                   | -5.66        |            |            | -0.00671         | PASS                  |         |          |          |      |
|           |           | 40                   | 1.34         |            |            | 0.00159          | PASS                  |         |          |          |      |
|           |           | 50                   | -1.83        | -0.00217   | PASS       |                  |                       |         |          |          |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30        | -7.51            | -0.00911              | PASS    |
|           |           |                      |              |            | -20        | 1.57             | 0.0019                | PASS    |
|           |           |                      |              |            | -10        | -4.66            | -0.00565              | PASS    |
|           |           |                      |              |            | 0          | 2.20             | 0.00267               | PASS    |
|           |           |                      |              |            | 10         | 0.46             | 0.00056               | PASS    |
|           |           |                      |              |            | 20         | -2.06            | -0.0025               | PASS    |
|           |           |                      |              |            | 30         | -2.52            | -0.00306              | PASS    |
|           |           |                      |              |            | 40         | -0.54            | -0.00065              | PASS    |
|           |           |                      |              |            | 50         | 2.72             | 0.0033                | PASS    |
|           |           |                      | MCH          | VN         | -30        | 2.57             | 0.00307               | PASS    |
|           |           |                      |              |            | -20        | -19.78           | -0.02365              | PASS    |
|           |           |                      |              |            | -10        | -1.43            | -0.00171              | PASS    |
|           |           |                      |              |            | 0          | 2.76             | 0.0033                | PASS    |
|           |           |                      |              |            | 10         | -14.26           | -0.01705              | PASS    |
|           |           |                      |              |            | 20         | 11.62            | 0.01389               | PASS    |
|           |           |                      |              |            | 30         | -5.09            | -0.00608              | PASS    |
|           |           |                      |              |            | 40         | 21.33            | 0.0255                | PASS    |
|           |           |                      |              |            | 50         | -7.62            | -0.00911              | PASS    |
|           |           | HCH                  | VN           | -30        | -9.18      | -0.01082         | PASS                  |         |
|           |           |                      |              | -20        | -1.10      | -0.0013          | PASS                  |         |
|           |           |                      |              | -10        | 3.05       | 0.0036           | PASS                  |         |
|           |           |                      |              | 0          | 5.09       | 0.006            | PASS                  |         |
|           |           |                      |              | 10         | -8.67      | -0.01022         | PASS                  |         |
|           |           |                      |              | 20         | 3.39       | 0.004            | PASS                  |         |
|           |           |                      |              | 30         | 2.53       | 0.00298          | PASS                  |         |
|           |           |                      |              | 40         | 6.15       | 0.00725          | PASS                  |         |
|           |           |                      |              | 50         | 4.78       | 0.00563          | PASS                  |         |
|           |           | 3                    | LCH          | VN         | -30        | 0.33             | 0.0004                | PASS    |
|           |           |                      |              |            | -20        | -2.23            | -0.0027               | PASS    |
|           |           |                      |              |            | -10        | -1.43            | -0.00173              | PASS    |
|           |           |                      |              |            | 0          | -0.16            | -0.00019              | PASS    |
|           |           |                      |              |            | 10         | -4.29            | -0.0052               | PASS    |
|           |           |                      |              |            | 20         | 2.76             | 0.00334               | PASS    |
|           |           |                      |              |            | 30         | -0.54            | -0.00065              | PASS    |
|           |           |                      |              |            | 40         | 0.74             | 0.0009                | PASS    |
|           |           |                      |              |            | 50         | 0.79             | 0.00096               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 0.77             | 0.00092               | PASS    |
|           |           |                      |              |            | -20        | -0.57            | -0.00068              | PASS    |
|           |           |                      |              |            | -10        | 2.53             | 0.00302               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |          |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|----------|------|
|           |           |                      |              |            | 0          | -2.13            | -0.00255              | PASS    |          |      |
|           |           |                      |              |            | 10         | 1.33             | 0.00159               | PASS    |          |      |
|           |           |                      |              |            | 20         | 0.51             | 0.00061               | PASS    |          |      |
|           |           |                      |              |            | 30         | 0.60             | 0.00072               | PASS    |          |      |
|           |           |                      |              |            | 40         | 0.70             | 0.00084               | PASS    |          |      |
|           |           |                      |              |            | 50         | -0.16            | -0.00019              | PASS    |          |      |
|           |           |                      | HCH          | VN         | -30        | 4.68             | 0.00552               | PASS    |          |      |
|           |           |                      |              |            | -20        | 1.13             | 0.00133               | PASS    |          |      |
|           |           |                      |              |            | -10        | -3.71            | -0.00438              | PASS    |          |      |
|           |           |                      |              |            | 0          | 0.97             | 0.00114               | PASS    |          |      |
|           |           |                      |              |            | 10         | 1.75             | 0.00206               | PASS    |          |      |
|           |           |                      |              |            | 20         | -2.40            | -0.00283              | PASS    |          |      |
|           |           | 5                    | LCH          | VN         | 30         | 1.67             | 0.00197               | PASS    |          |      |
|           |           |                      |              |            | 40         | 2.23             | 0.00263               | PASS    |          |      |
|           |           |                      |              |            | 50         | -0.89            | -0.00105              | PASS    |          |      |
|           |           |                      |              |            | -30        | 0.33             | 0.0004                | PASS    |          |      |
|           |           |                      |              |            | -20        | -0.01            | -0.00001              | PASS    |          |      |
|           |           |                      |              |            | -10        | 0.16             | 0.00019               | PASS    |          |      |
|           |           |                      | MCH          | VN         | 0          | 0.53             | 0.00064               | PASS    |          |      |
|           |           |                      |              |            | 10         | -0.70            | -0.00085              | PASS    |          |      |
|           |           |                      |              |            | 20         | -0.36            | -0.00044              | PASS    |          |      |
|           |           |                      |              |            | 30         | -0.33            | -0.0004               | PASS    |          |      |
|           |           |                      |              |            | 40         | 1.10             | 0.00133               | PASS    |          |      |
|           |           |                      |              |            | 50         | 0.21             | 0.00025               | PASS    |          |      |
|           |           | HCH                  | VN           | -30        | 0.99       | 0.00118          | PASS                  |         |          |      |
|           |           |                      |              | -20        | -1.52      | -0.00182         | PASS                  |         |          |      |
|           |           |                      |              | -10        | 0.50       | 0.0006           | PASS                  |         |          |      |
|           |           |                      |              | 0          | -0.83      | -0.00099         | PASS                  |         |          |      |
|           |           |                      |              | 10         | -1.92      | -0.0023          | PASS                  |         |          |      |
|           |           |                      |              | 20         | 2.99       | 0.00357          | PASS                  |         |          |      |
|           |           |                      |              |            |            |                  | 30                    | 1.22    | 0.00146  | PASS |
|           |           |                      |              |            |            |                  | 40                    | -0.36   | -0.00043 | PASS |
|           |           |                      |              |            |            |                  | 50                    | 0.40    | 0.00048  | PASS |
|           |           |                      |              |            |            |                  | -30                   | 0.60    | 0.00071  | PASS |
|           |           |                      |              |            |            |                  | -20                   | 0.09    | 0.00011  | PASS |
|           |           |                      |              |            |            |                  | -10                   | -0.07   | -0.00008 | PASS |
|           |           |                      |              |            | 0          | 8.08             | 0.00955               | PASS    |          |      |
|           |           |                      |              |            | 10         | -1.49            | -0.00176              | PASS    |          |      |
|           |           |                      |              |            | 20         | -6.78            | -0.00801              | PASS    |          |      |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |         |      |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|---------|------|
|           |           |                      |              |            | 30         | -2.59            | -0.00306              | PASS    |         |      |
|           |           |                      |              |            | 40         | -2.99            | -0.00353              | PASS    |         |      |
|           |           |                      |              |            | 50         | -1.00            | -0.00118              | PASS    |         |      |
|           |           | 10                   | LCH          | VN         | -30        | -2.82            | -0.0034               | PASS    |         |      |
|           |           |                      |              |            | -20        | 4.42             | 0.00533               | PASS    |         |      |
|           |           |                      |              |            | -10        | -1.79            | -0.00216              | PASS    |         |      |
|           |           |                      |              |            | 0          | -0.13            | -0.00016              | PASS    |         |      |
|           |           |                      |              |            | 10         | -0.72            | -0.00087              | PASS    |         |      |
|           |           |                      |              |            | 20         | 2.95             | 0.00356               | PASS    |         |      |
|           |           |                      |              |            | 30         | -2.19            | -0.00264              | PASS    |         |      |
|           |           |                      |              |            | 40         | 0.40             | 0.00048               | PASS    |         |      |
|           |           |                      |              |            | 50         | -2.00            | -0.00241              | PASS    |         |      |
|           |           |                      |              |            | MCH        | VN               | -30                   | 2.98    | 0.00356 | PASS |
|           |           |                      |              |            |            |                  | -20                   | 0.57    | 0.00068 | PASS |
|           |           |                      |              |            |            |                  | -10                   | 1.27    | 0.00152 | PASS |
|           |           | 0                    | -2.33        | -0.00279   |            |                  | PASS                  |         |         |      |
|           |           | 10                   | -1.03        | -0.00123   |            |                  | PASS                  |         |         |      |
|           |           | 20                   | -4.22        | -0.00504   |            |                  | PASS                  |         |         |      |
|           |           | 30                   | 2.96         | 0.00354    |            |                  | PASS                  |         |         |      |
|           |           | 40                   | -1.00        | -0.0012    |            |                  | PASS                  |         |         |      |
|           |           | HCH                  | VN           | -30        | 0.14       | 0.00017          | PASS                  |         |         |      |
|           |           |                      |              | -20        | -1.86      | -0.0022          | PASS                  |         |         |      |
|           |           |                      |              | -10        | -2.62      | -0.0031          | PASS                  |         |         |      |
|           |           |                      |              | 0          | -2.20      | -0.00261         | PASS                  |         |         |      |
|           |           |                      |              | 10         | 1.29       | 0.00153          | PASS                  |         |         |      |
|           |           |                      |              | 20         | 0.44       | 0.00052          | PASS                  |         |         |      |
|           |           |                      |              | 30         | -2.20      | -0.00261         | PASS                  |         |         |      |
|           |           |                      |              | 40         | -0.50      | -0.00059         | PASS                  |         |         |      |
|           |           | 50                   | 0.90         | 0.00107    | PASS       |                  |                       |         |         |      |

END