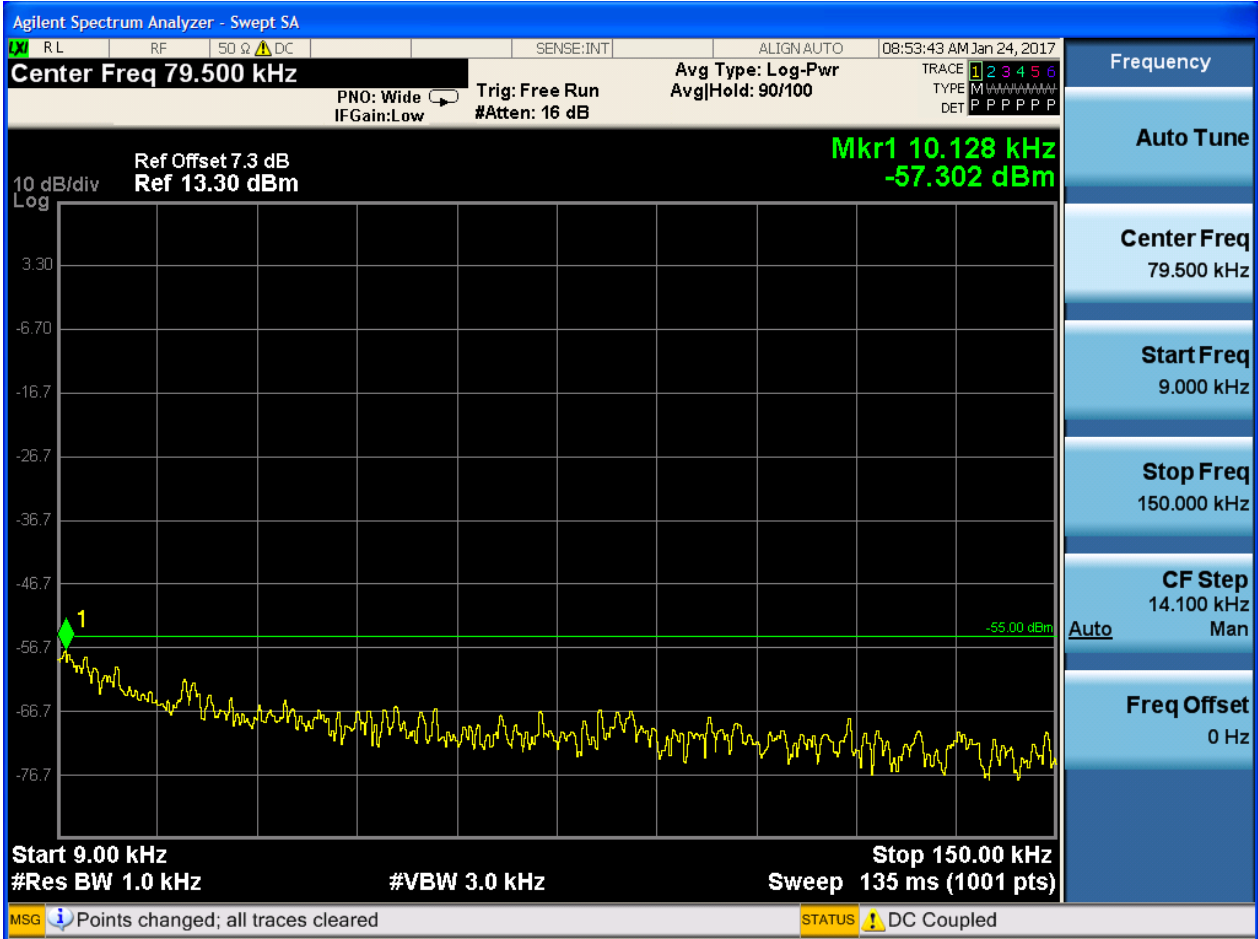
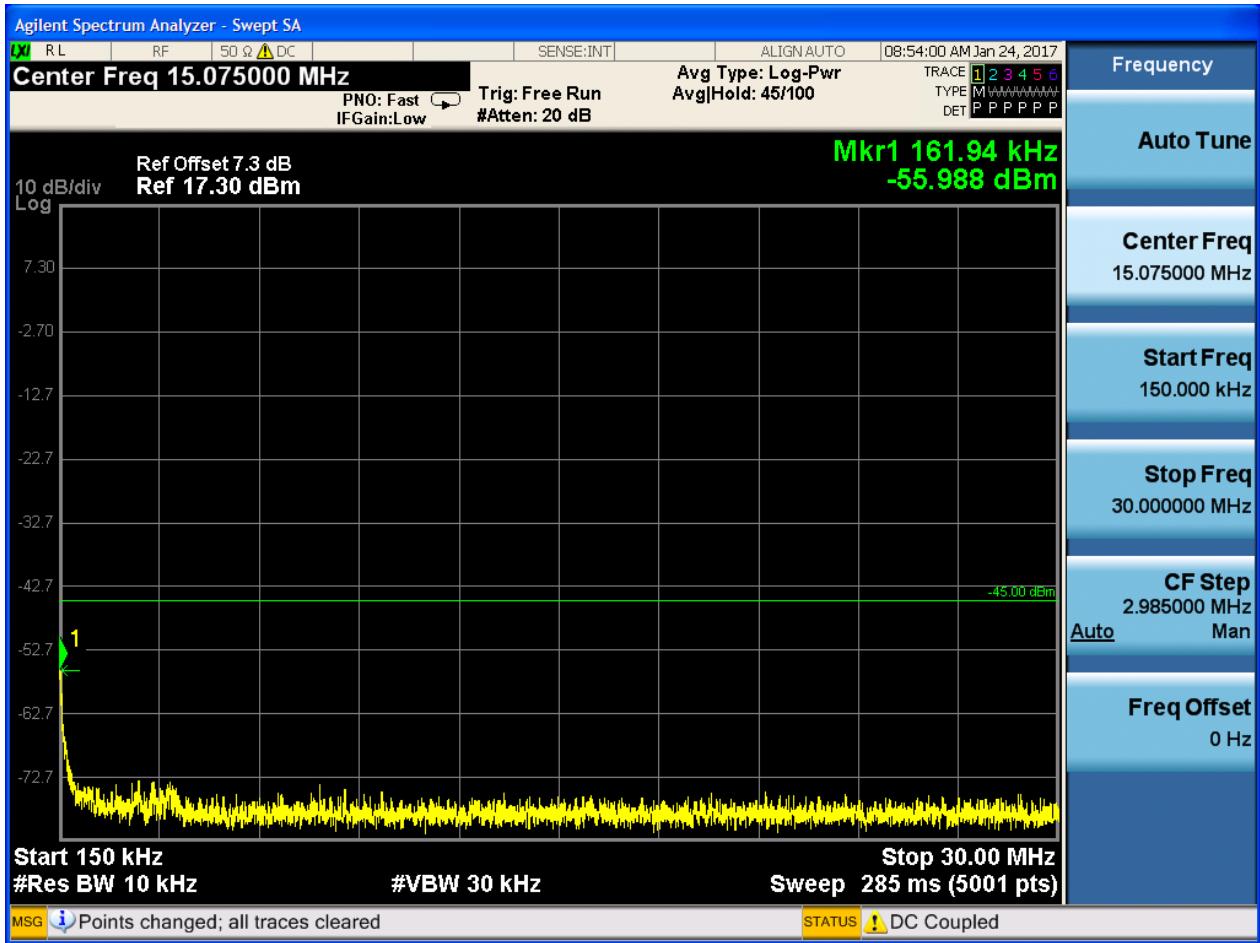


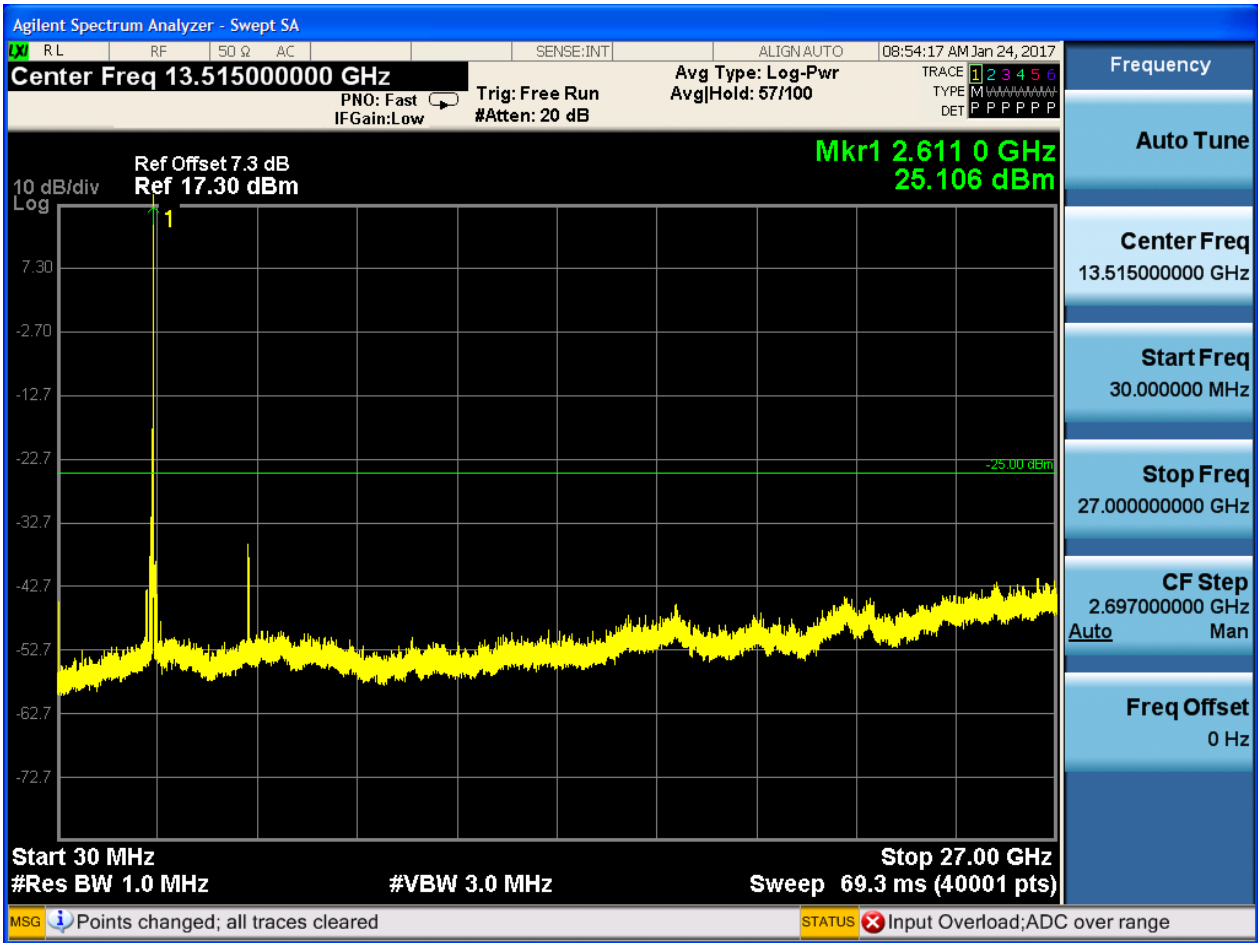


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





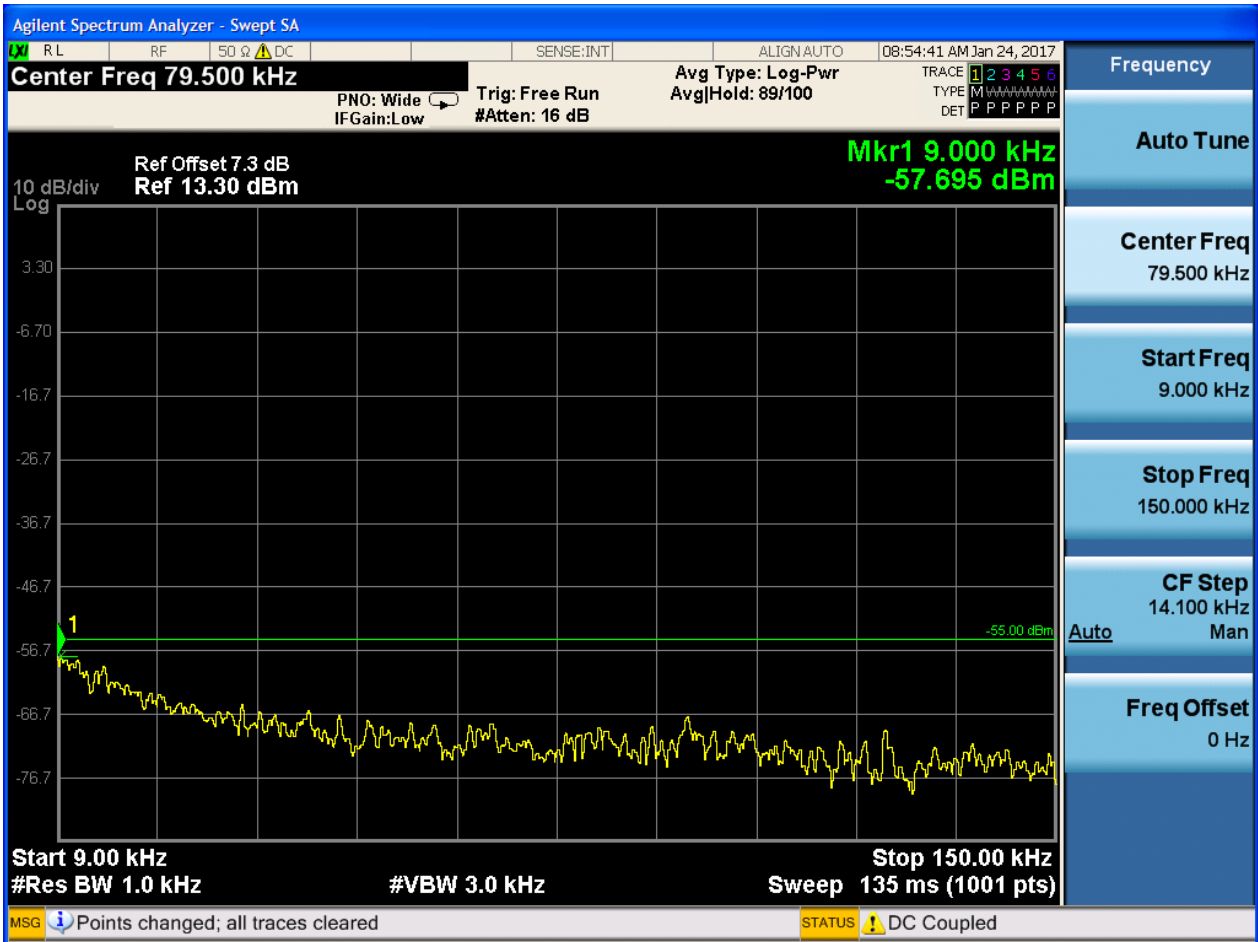


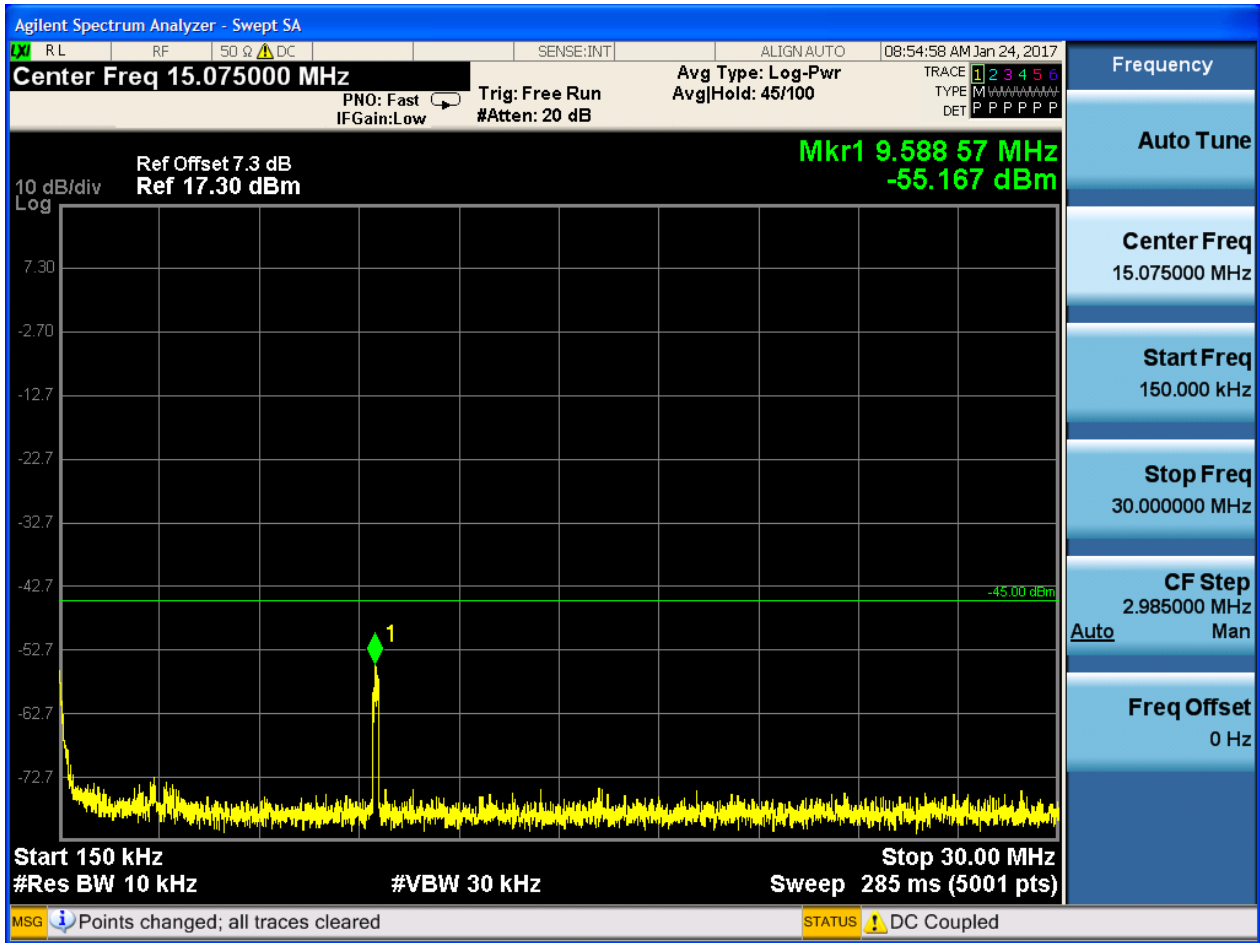


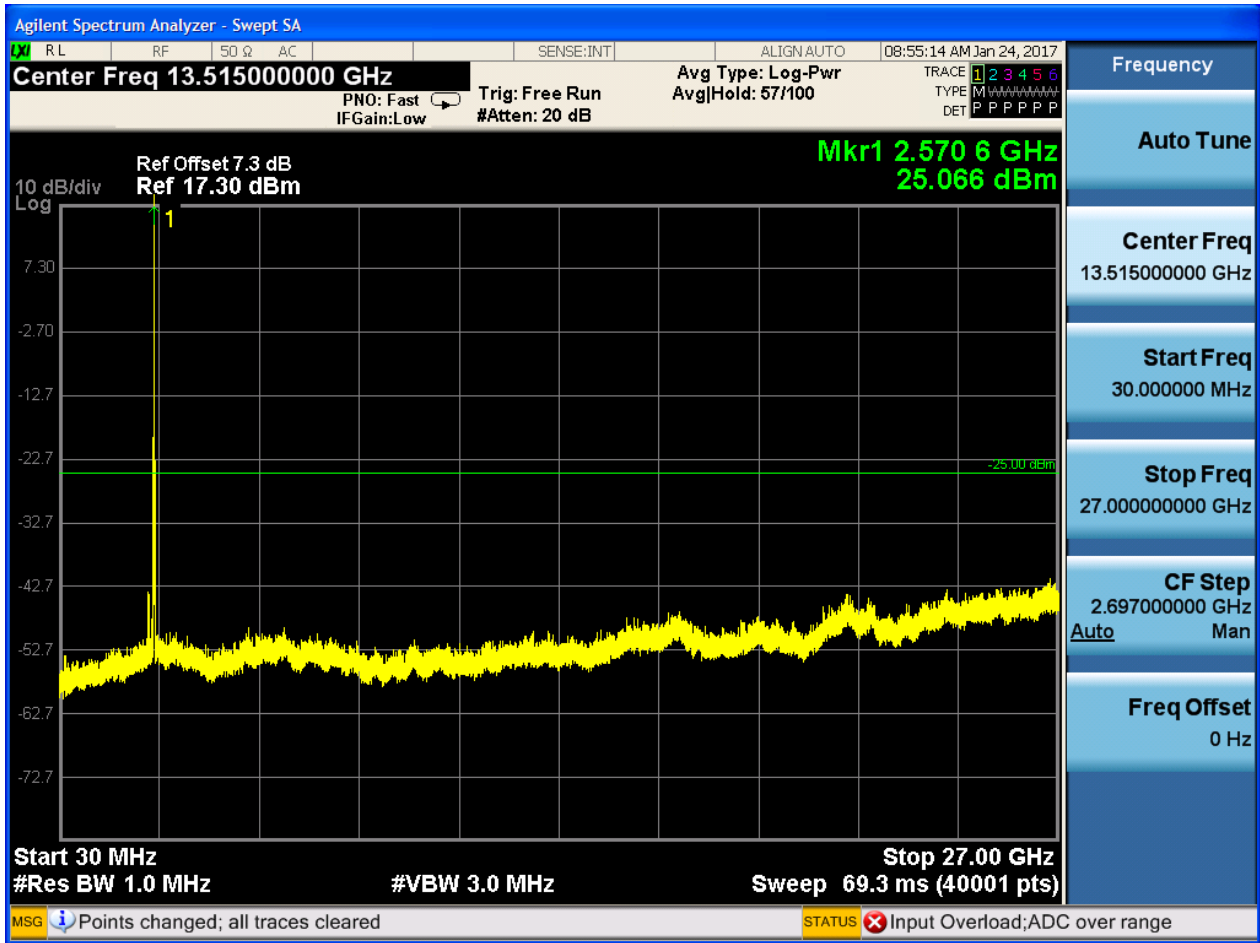
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



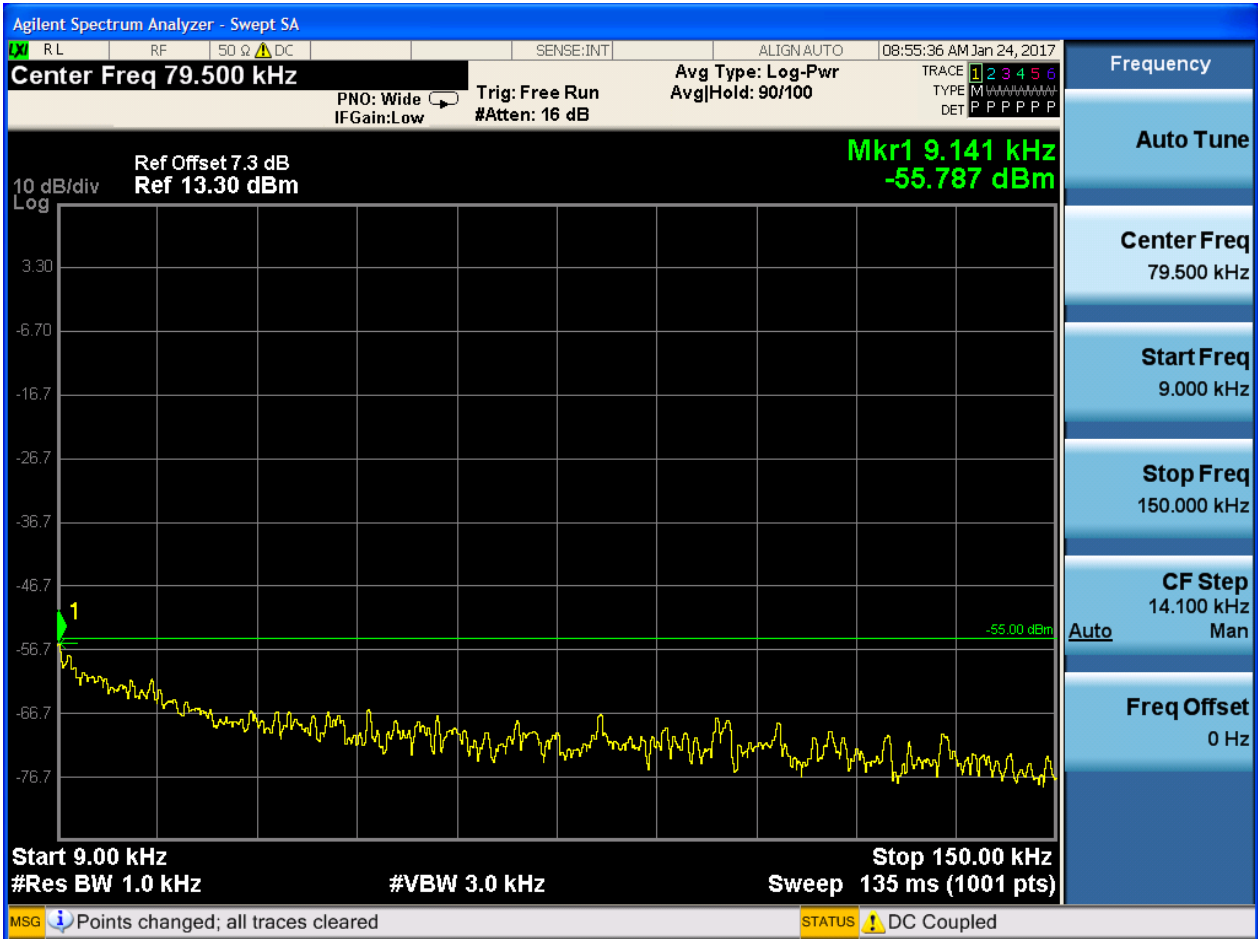




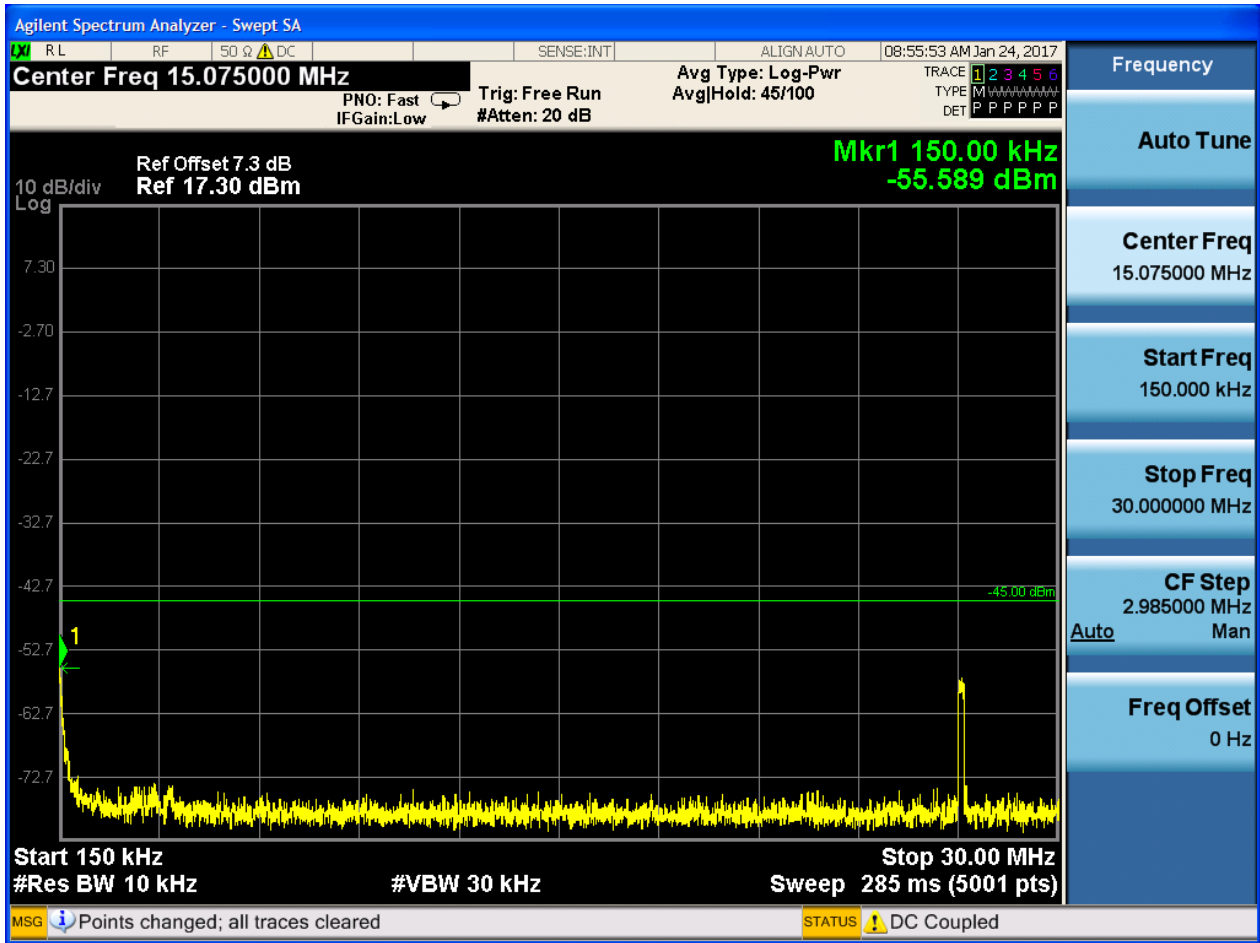


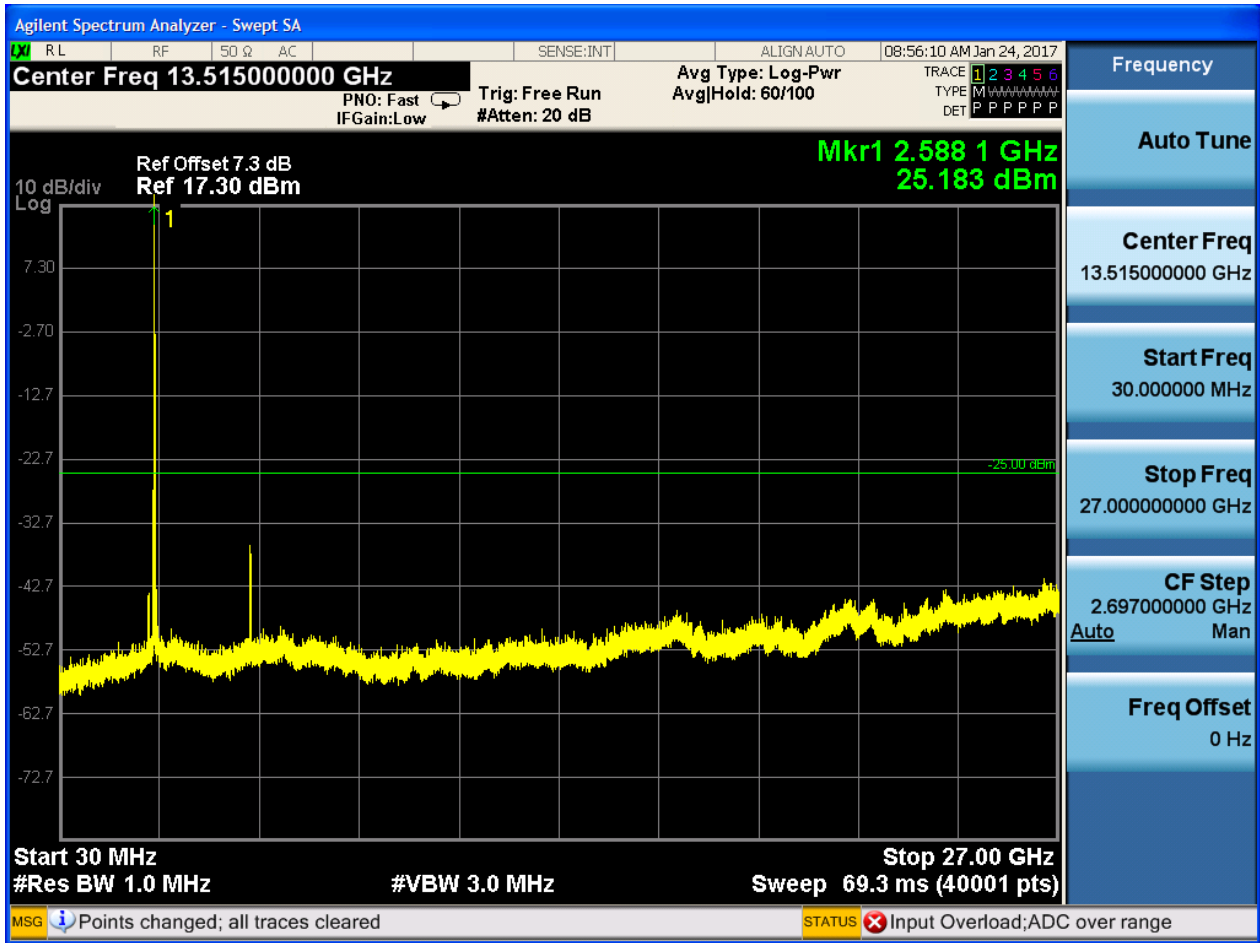
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





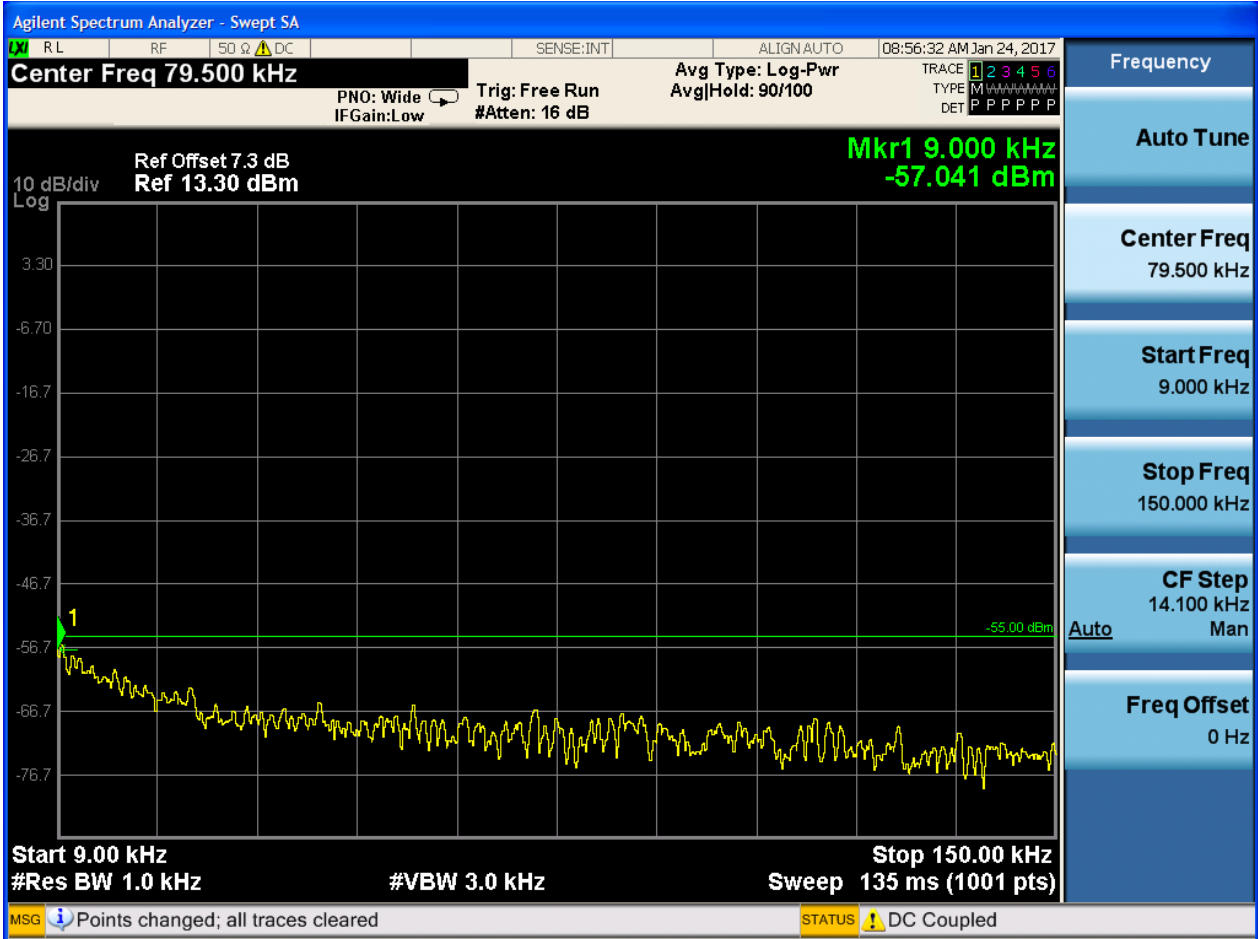


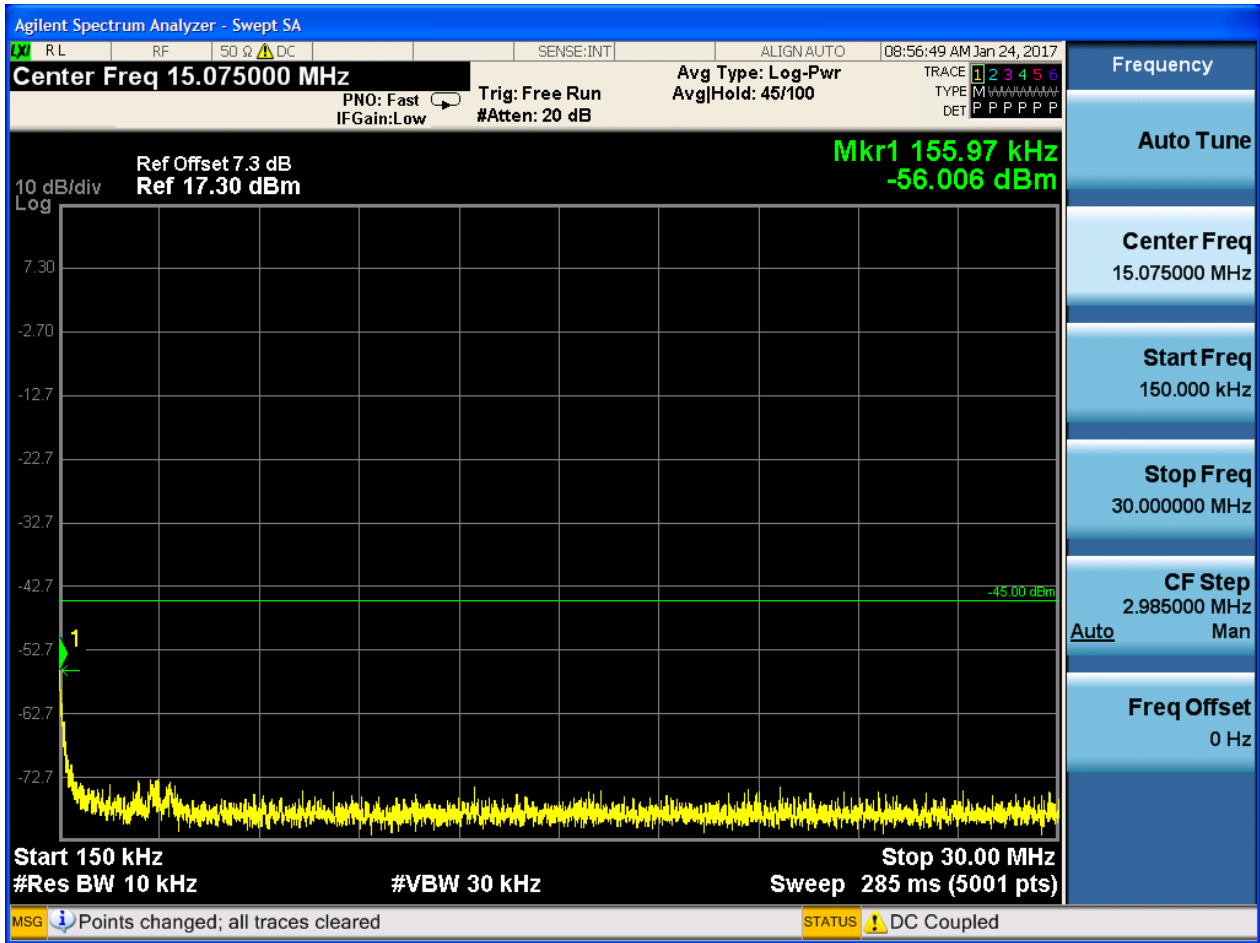


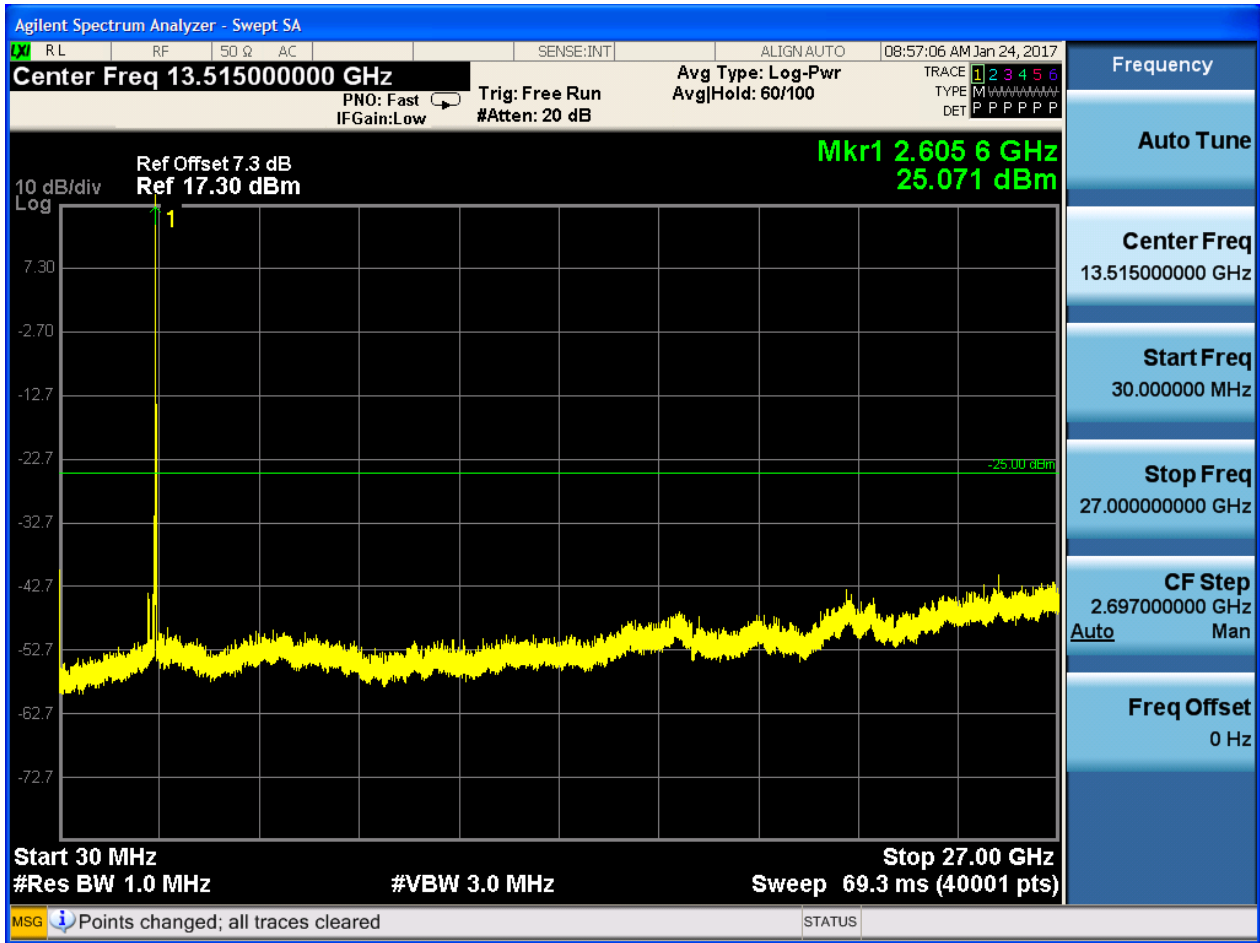


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





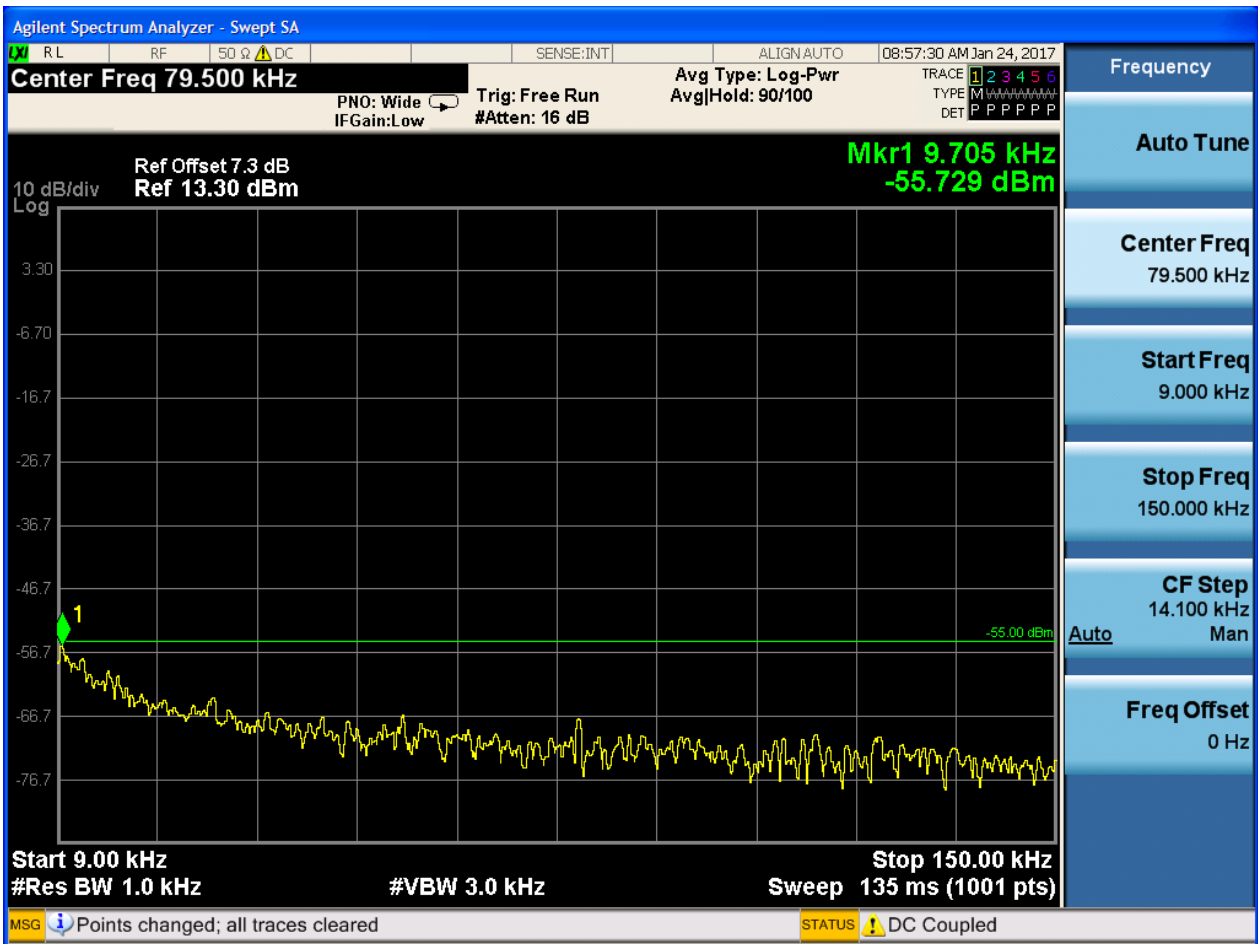


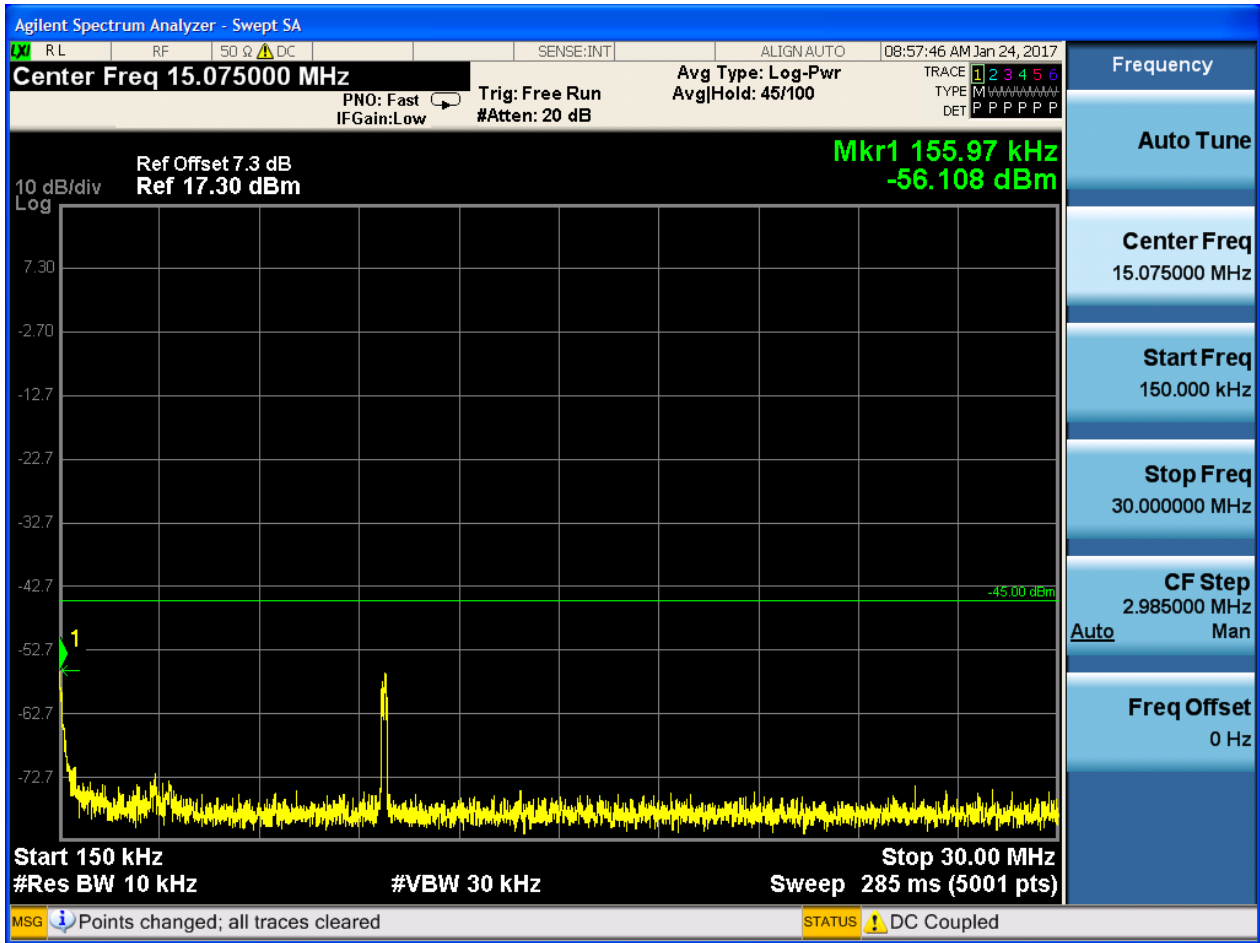


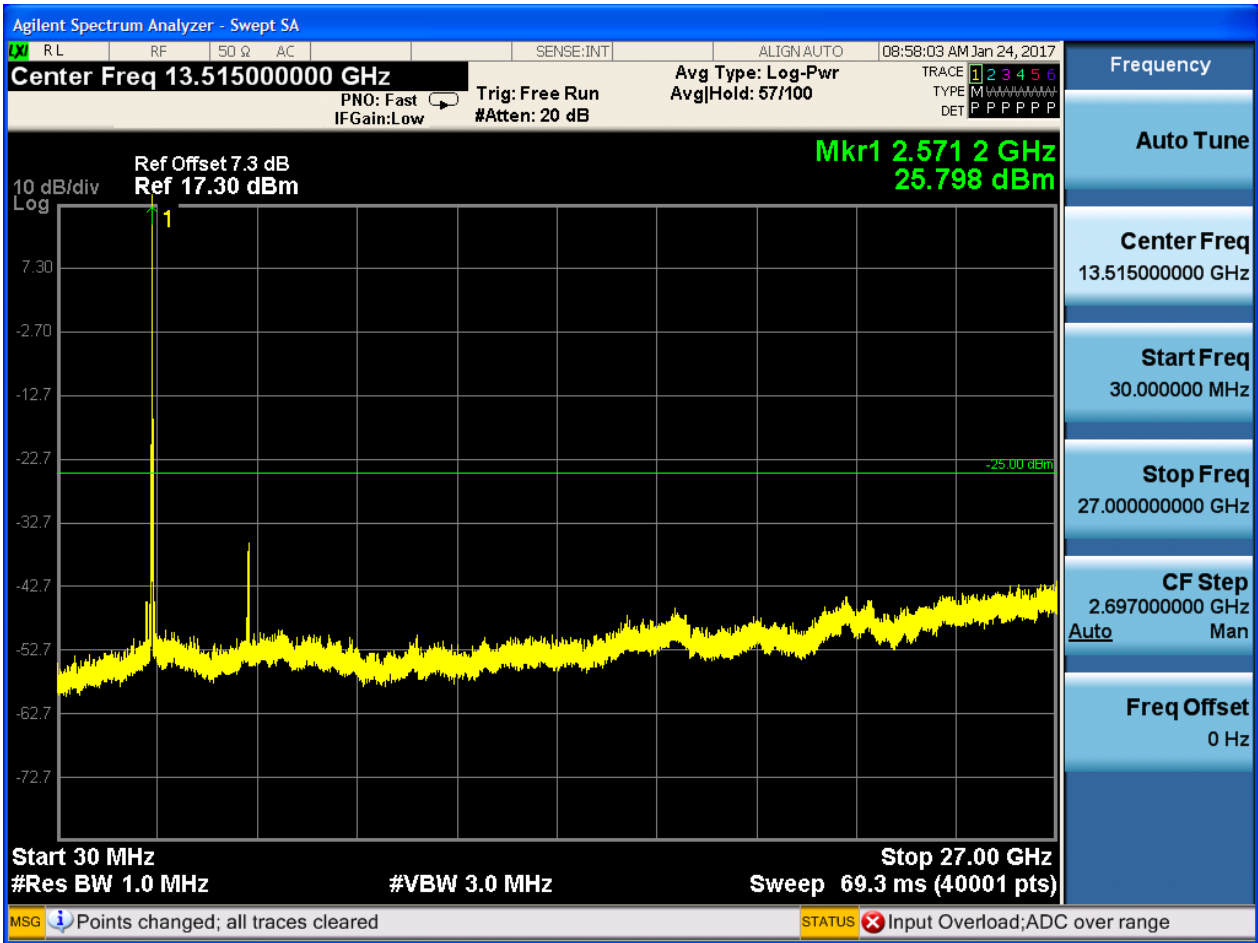
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





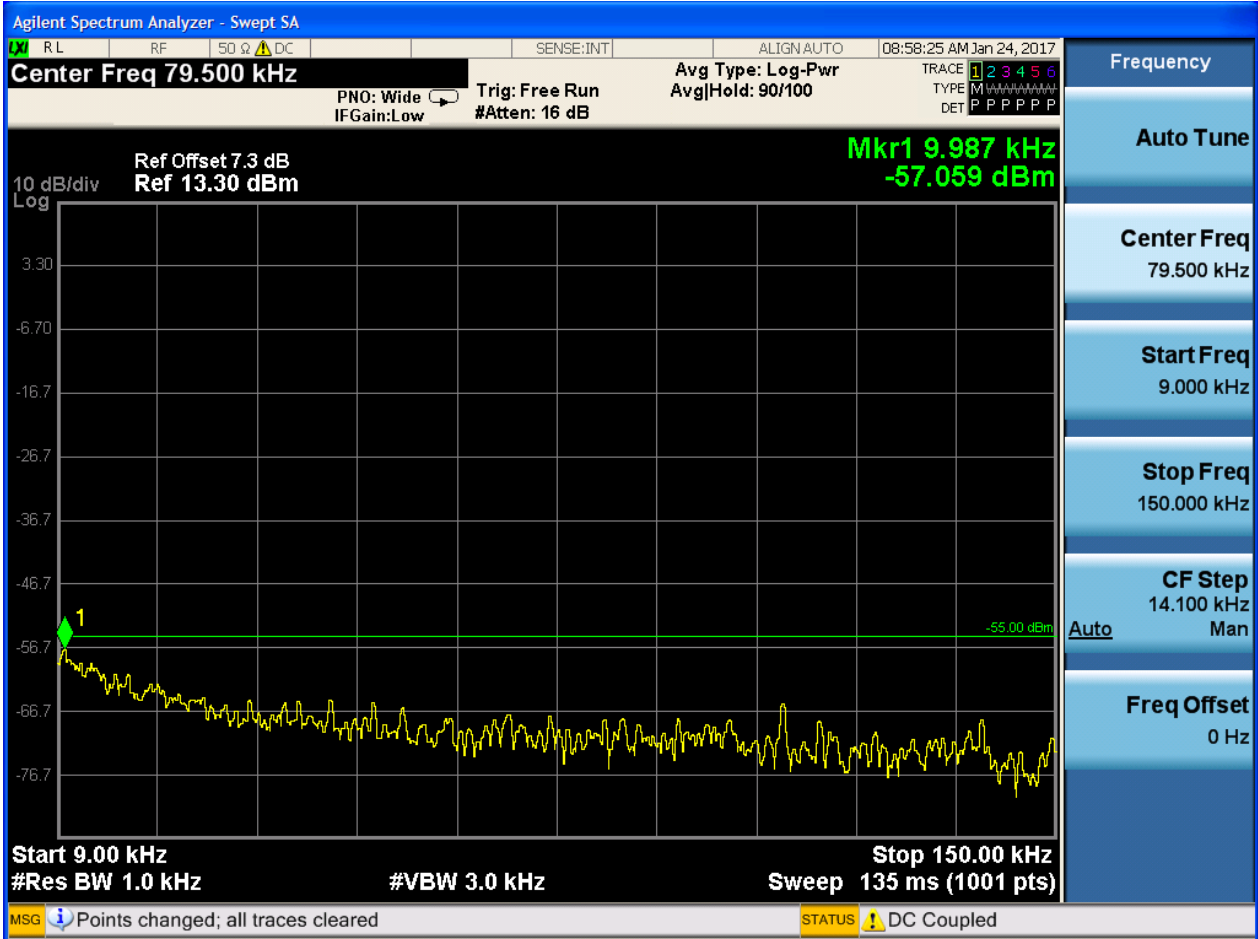


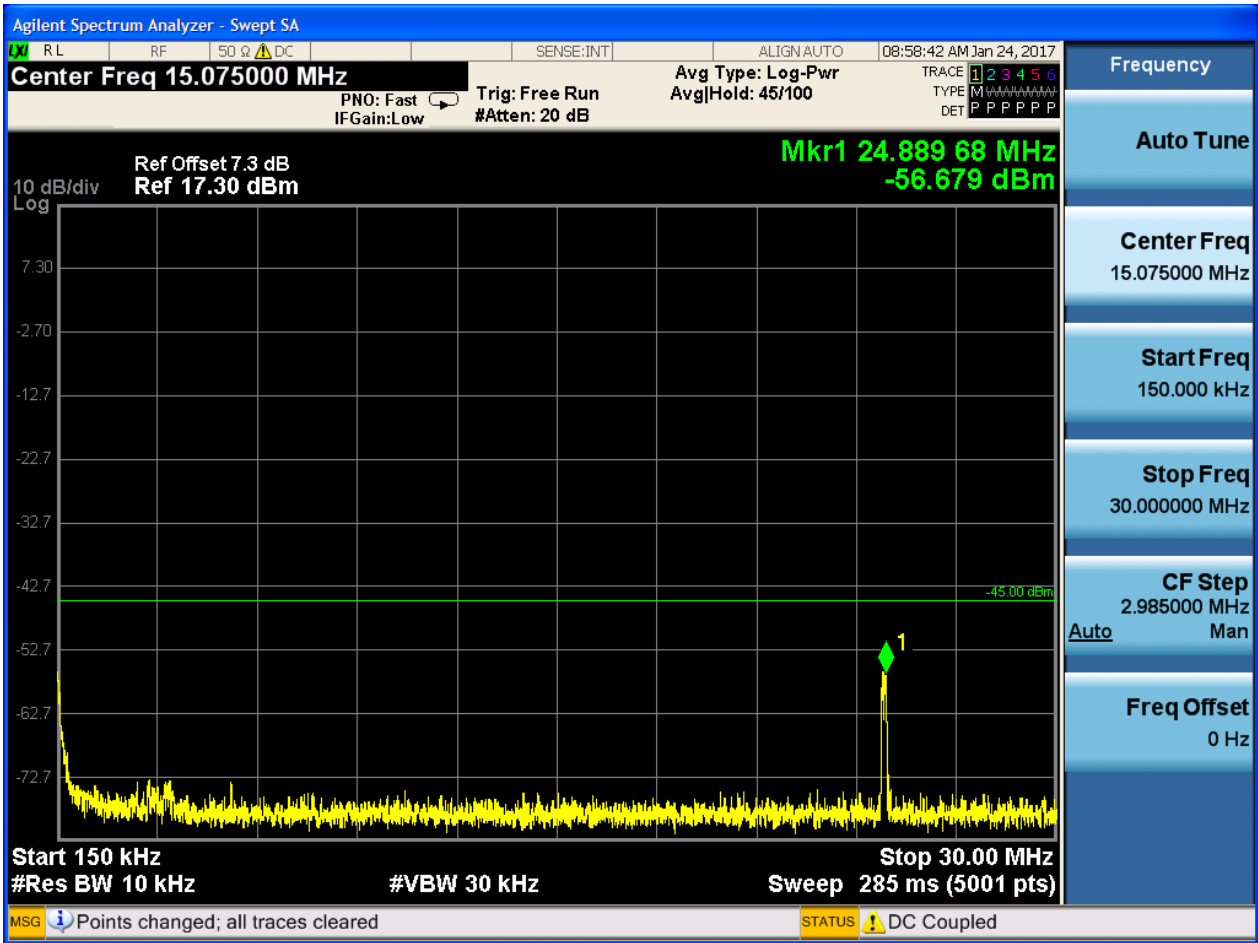


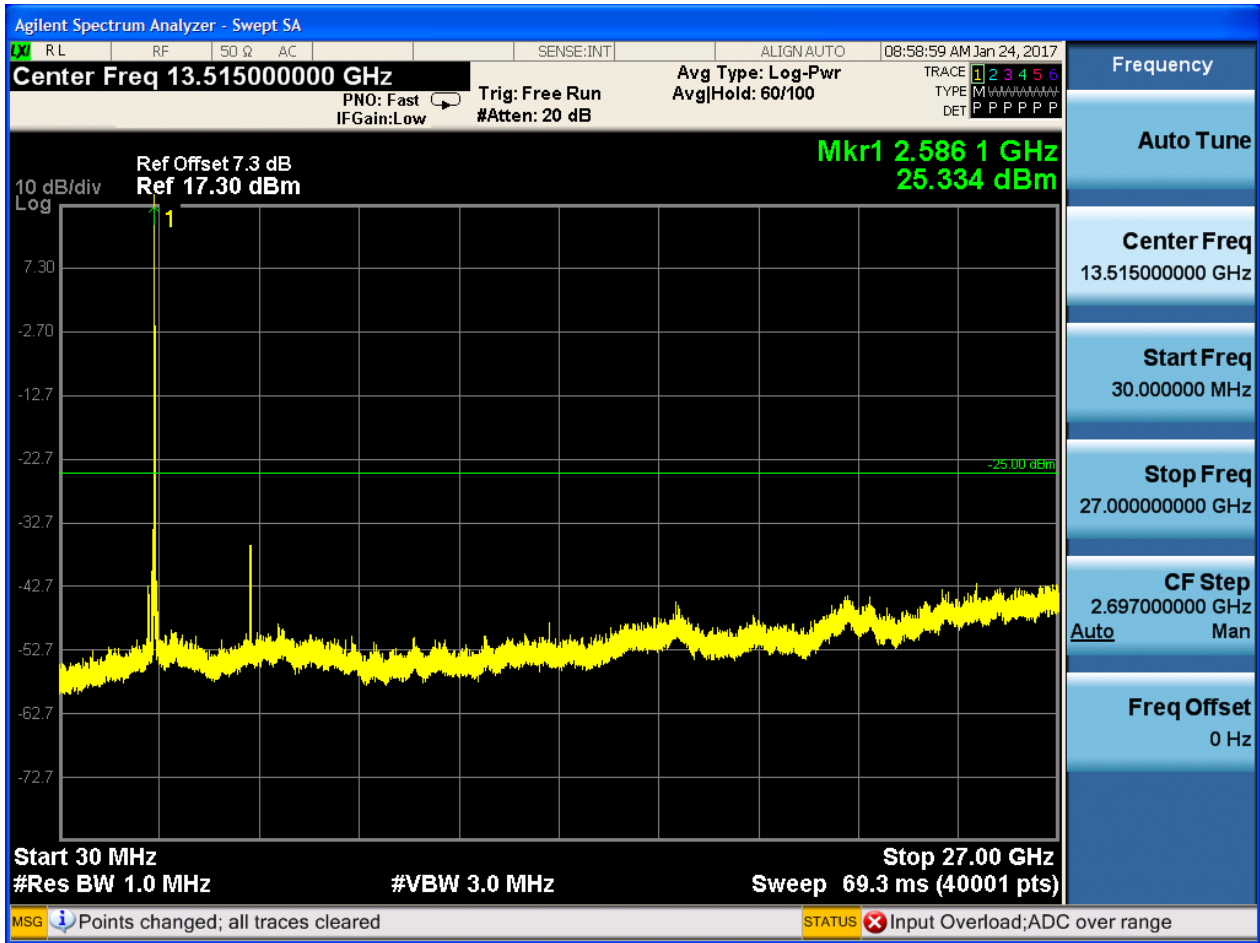


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



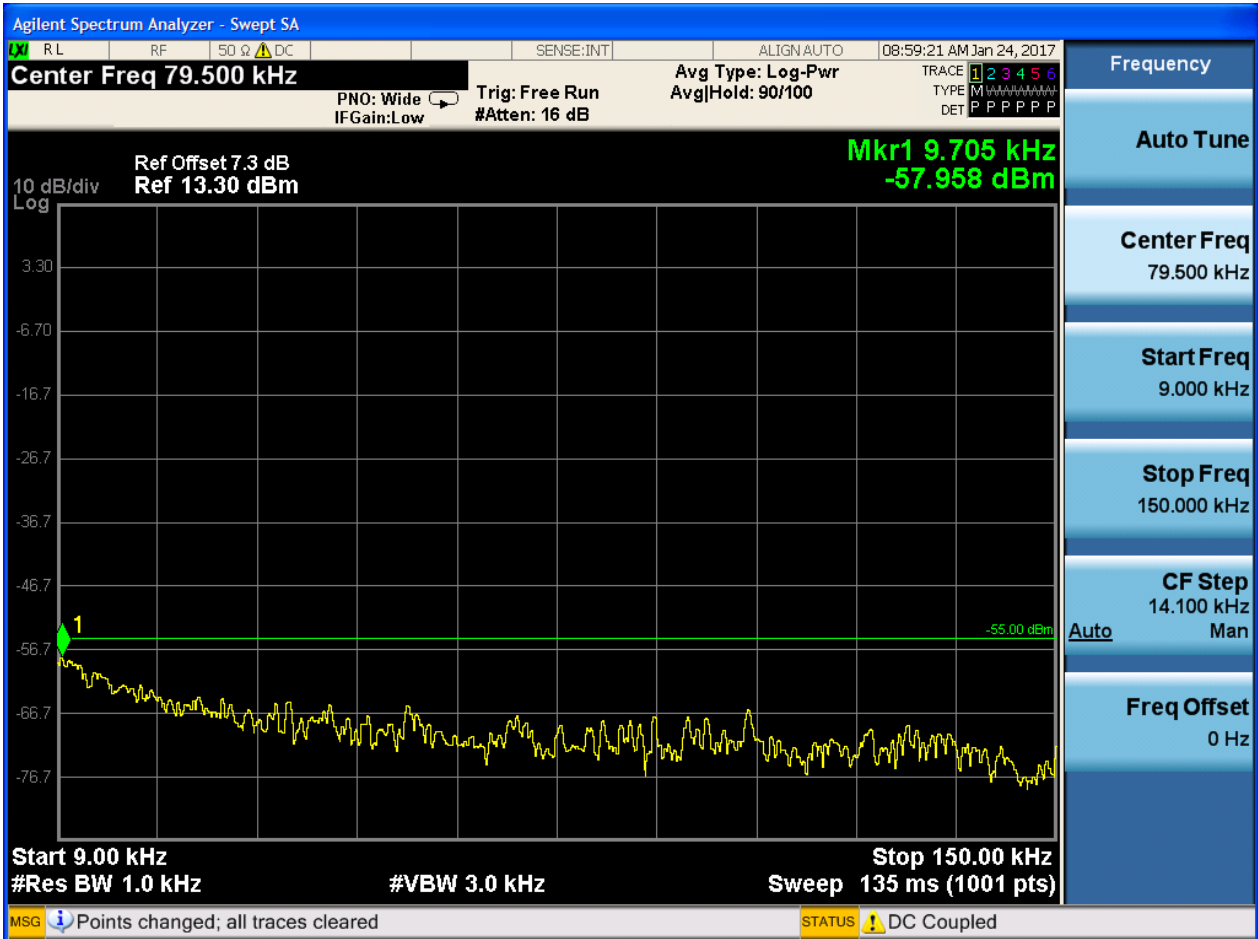


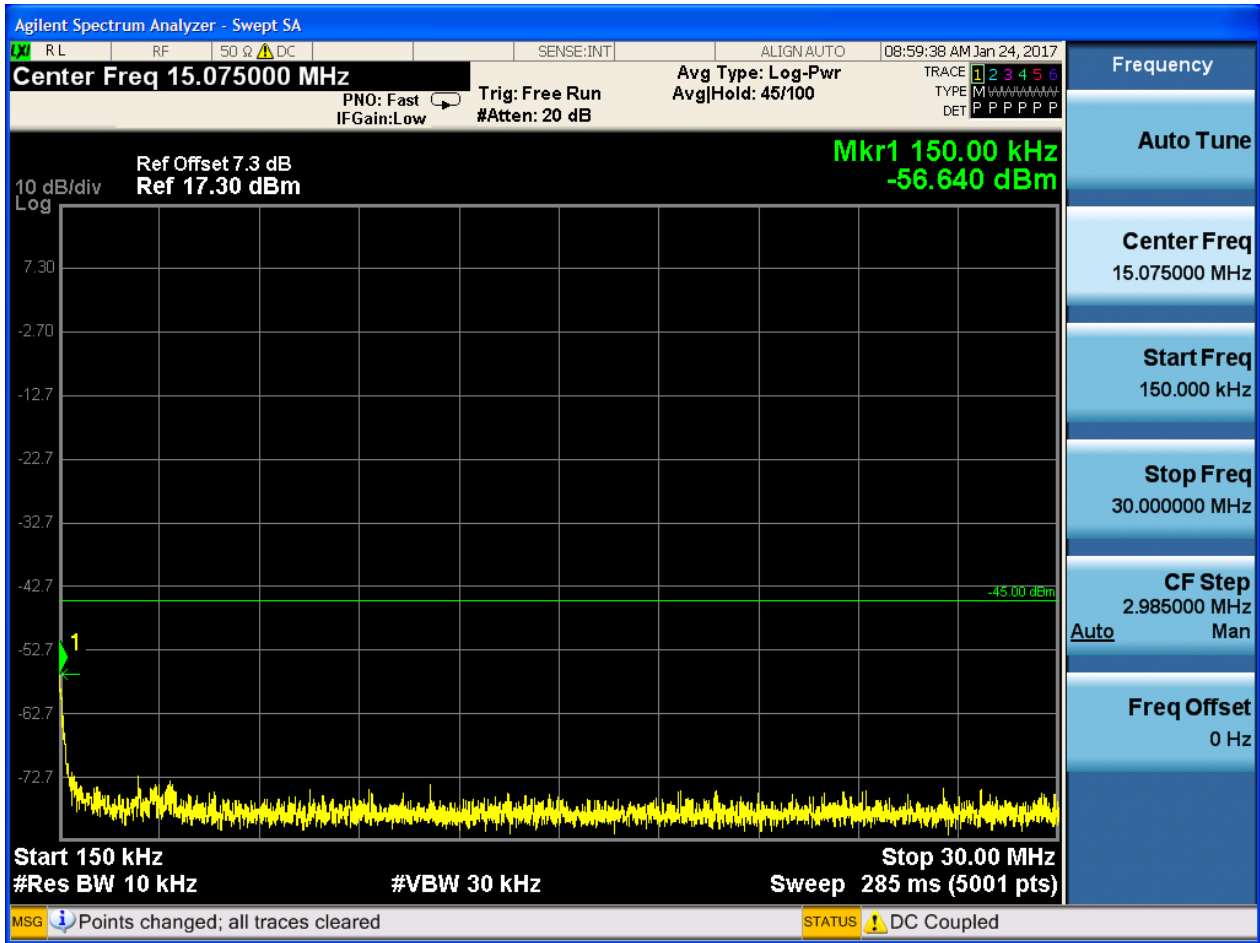


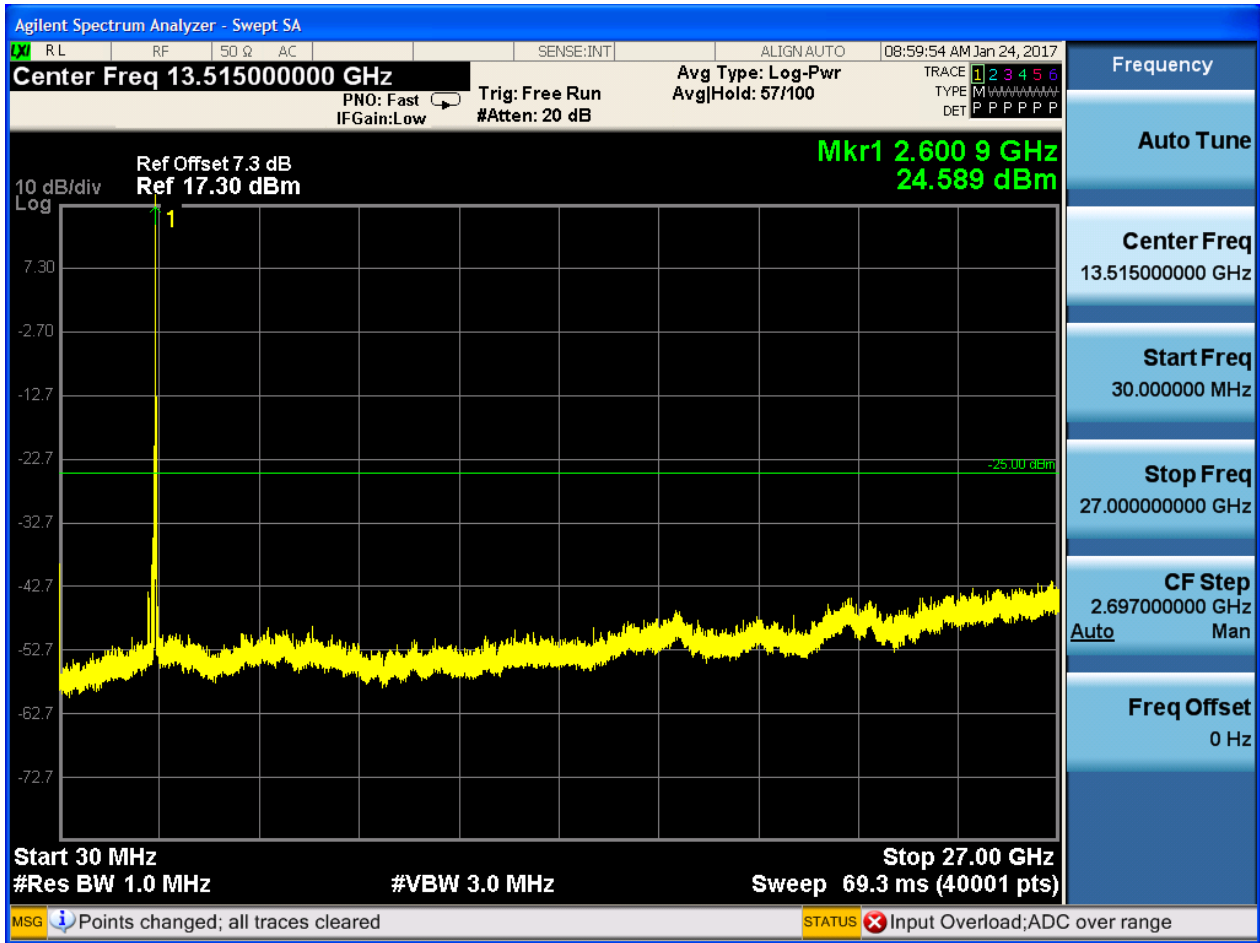


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







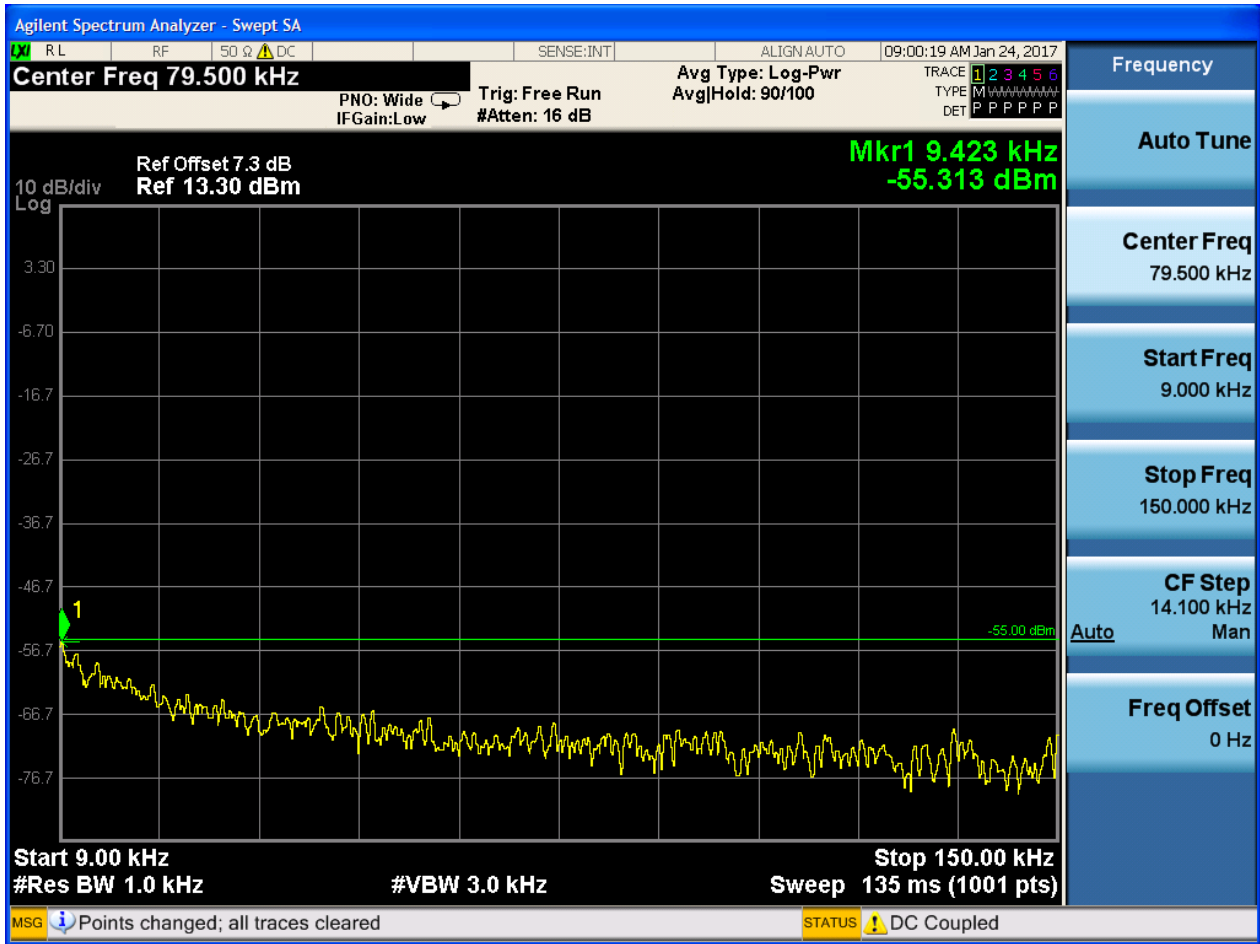


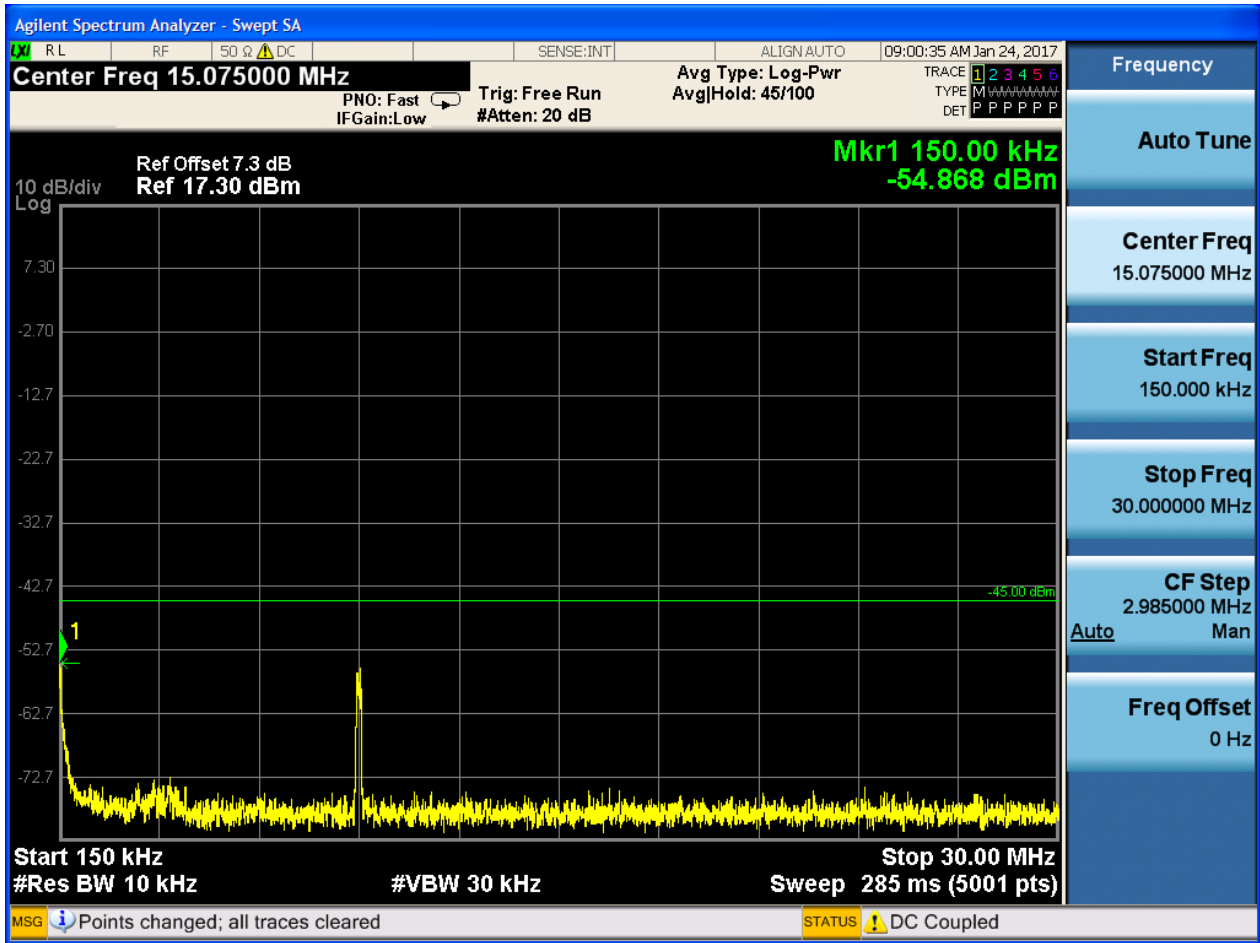
6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

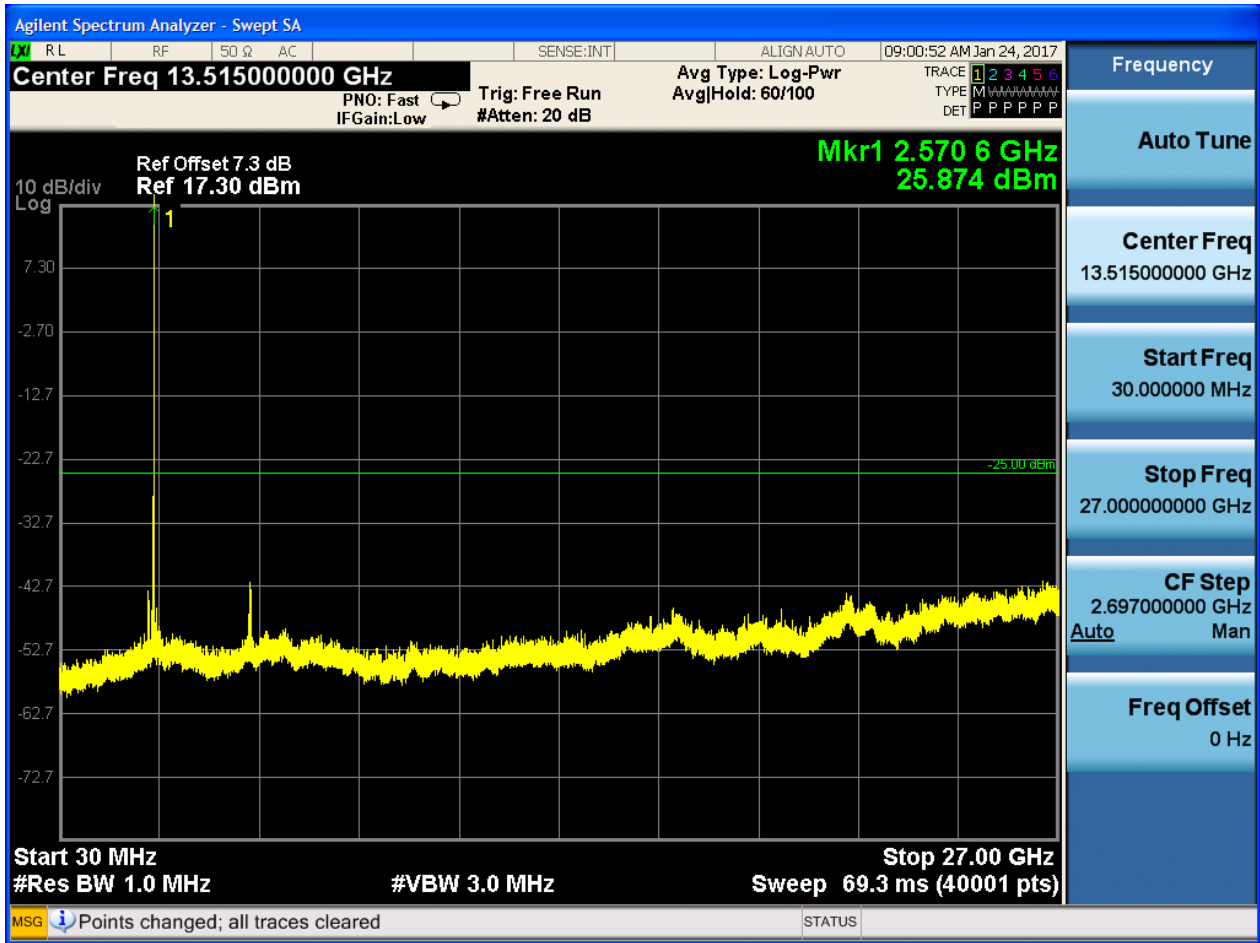
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





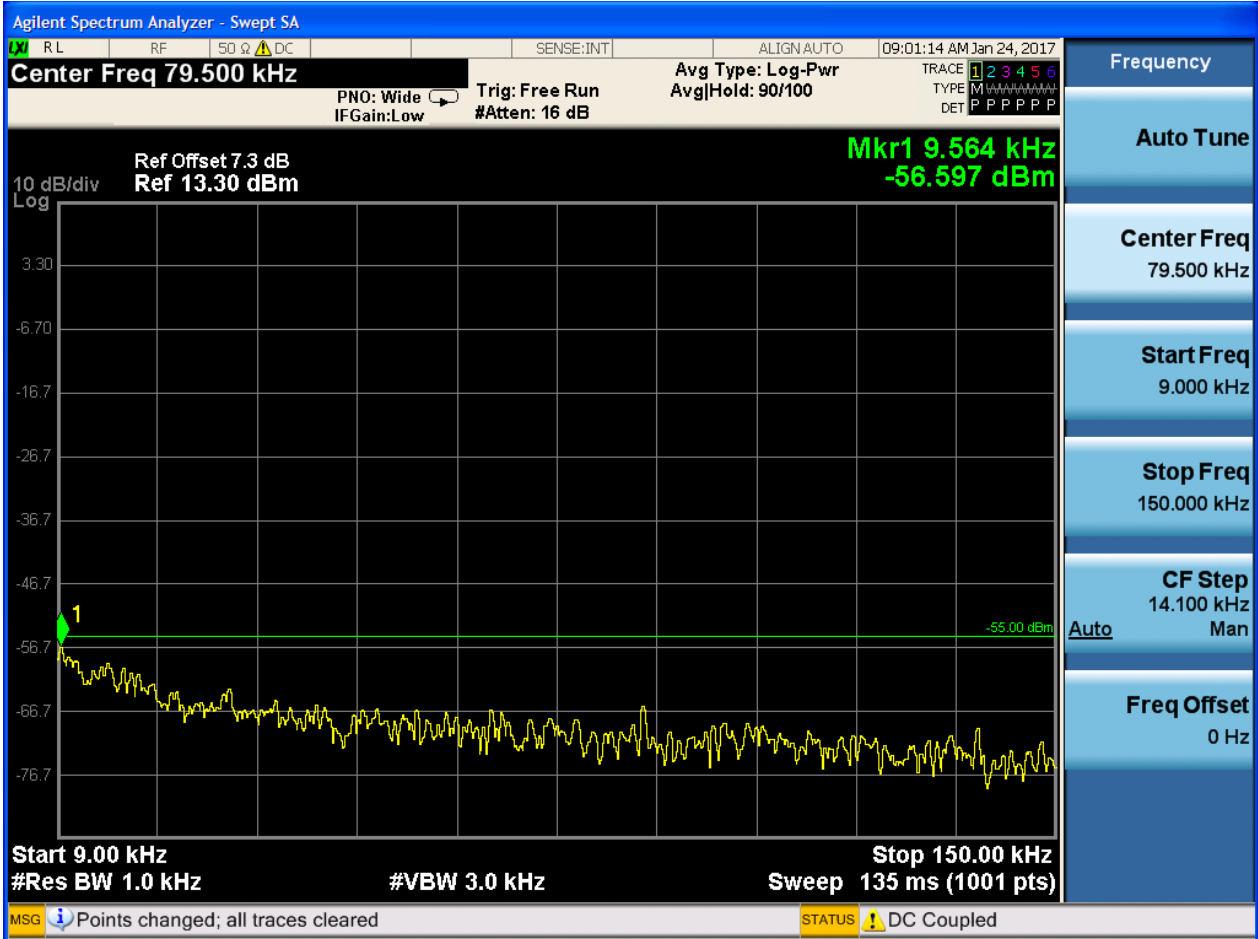


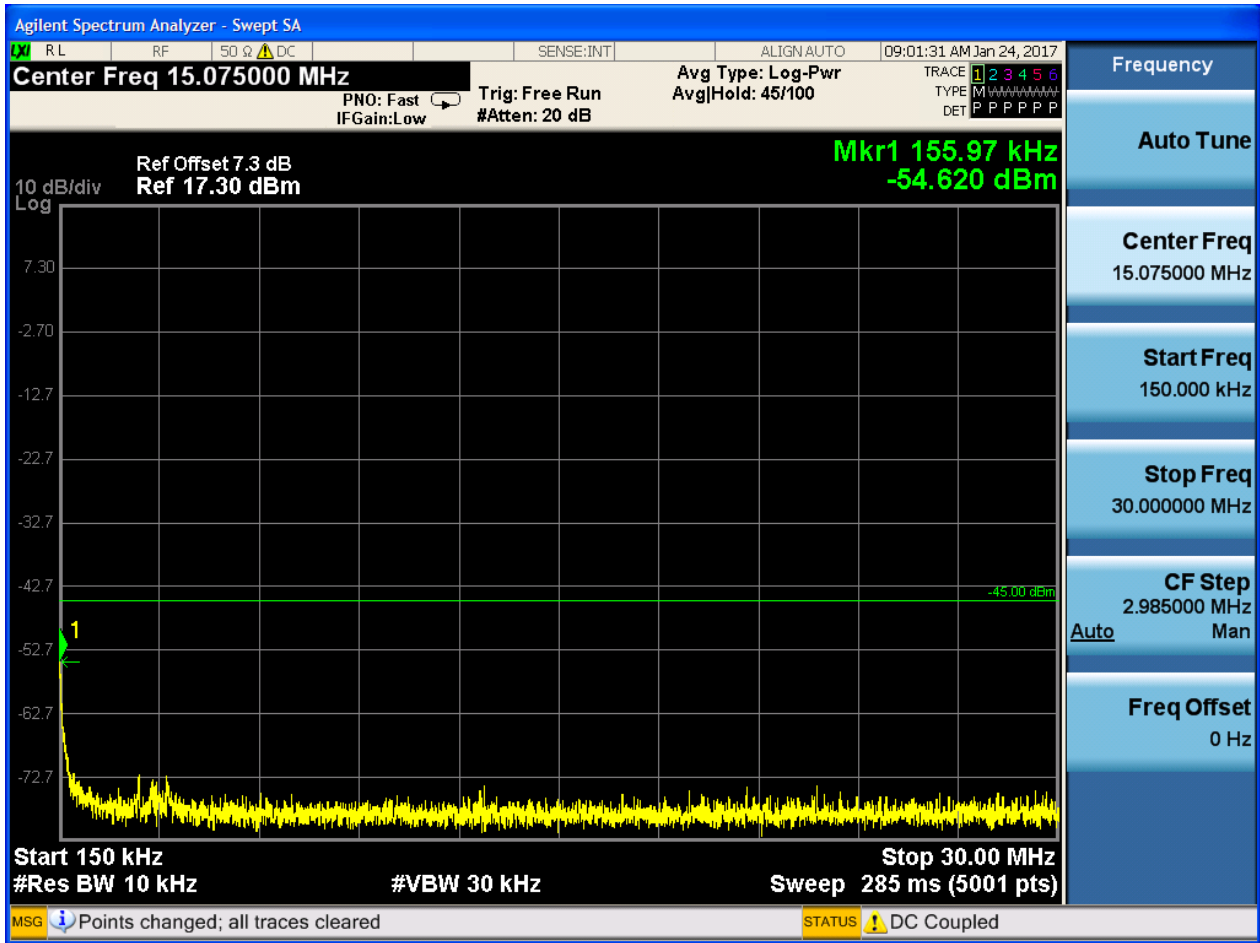


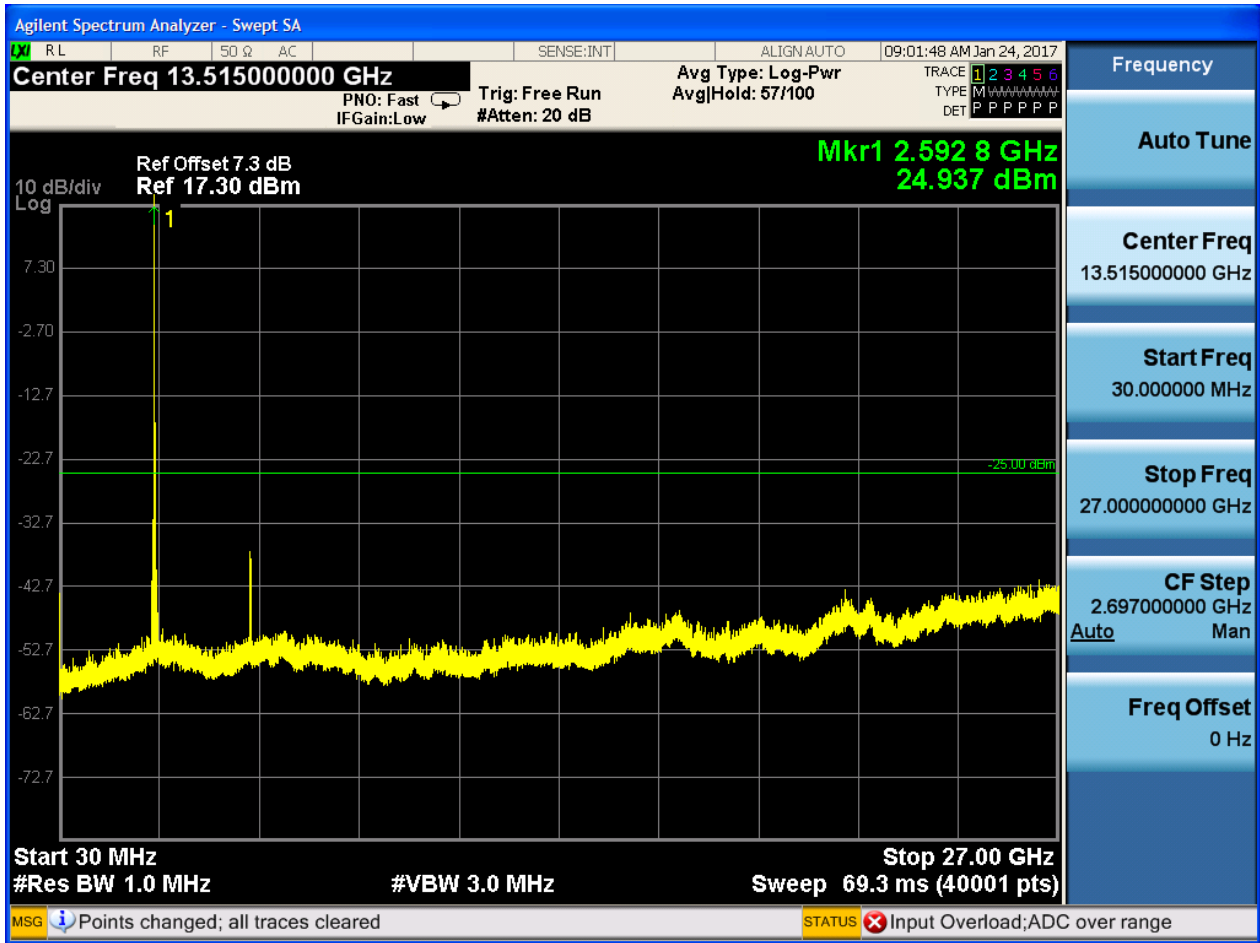


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



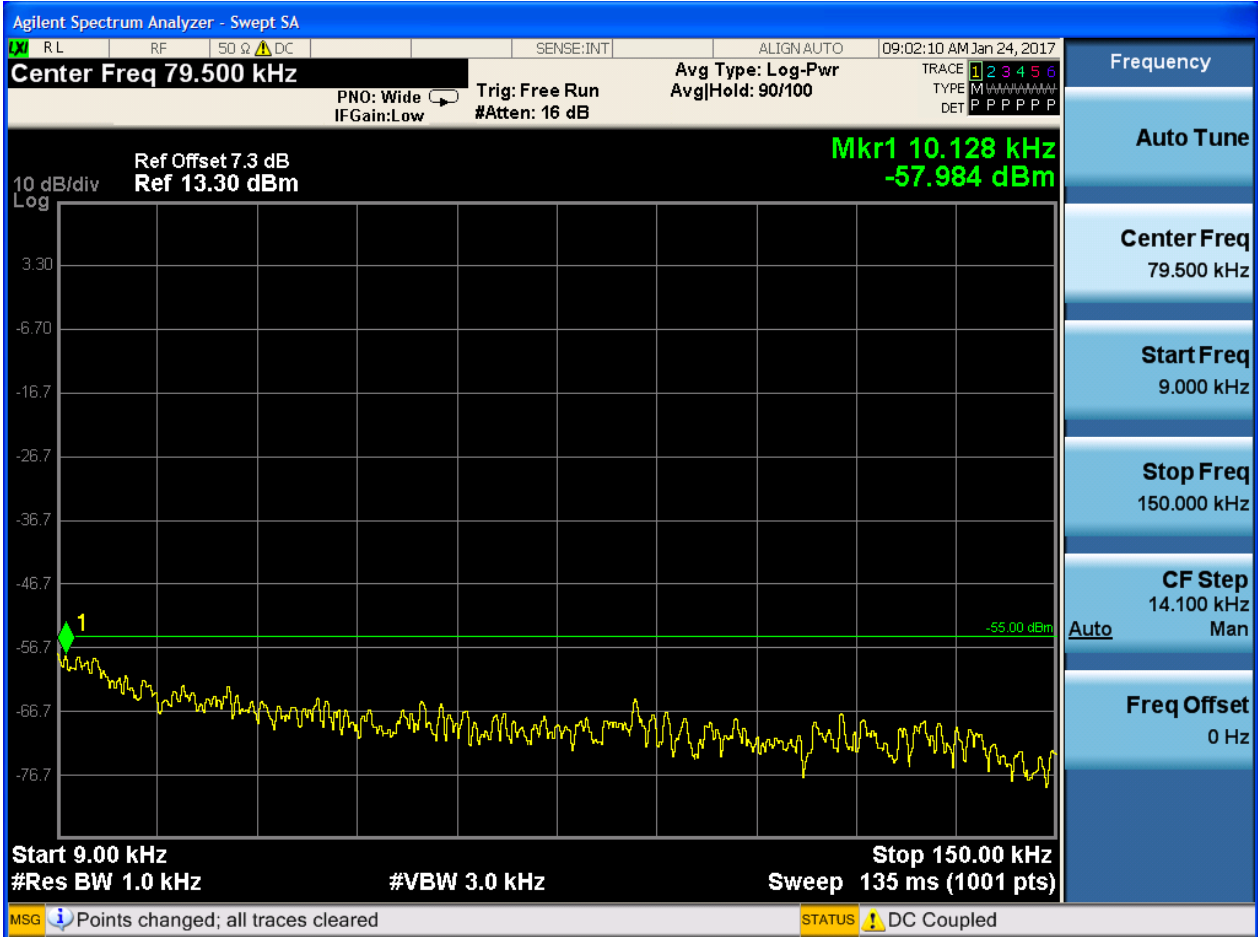


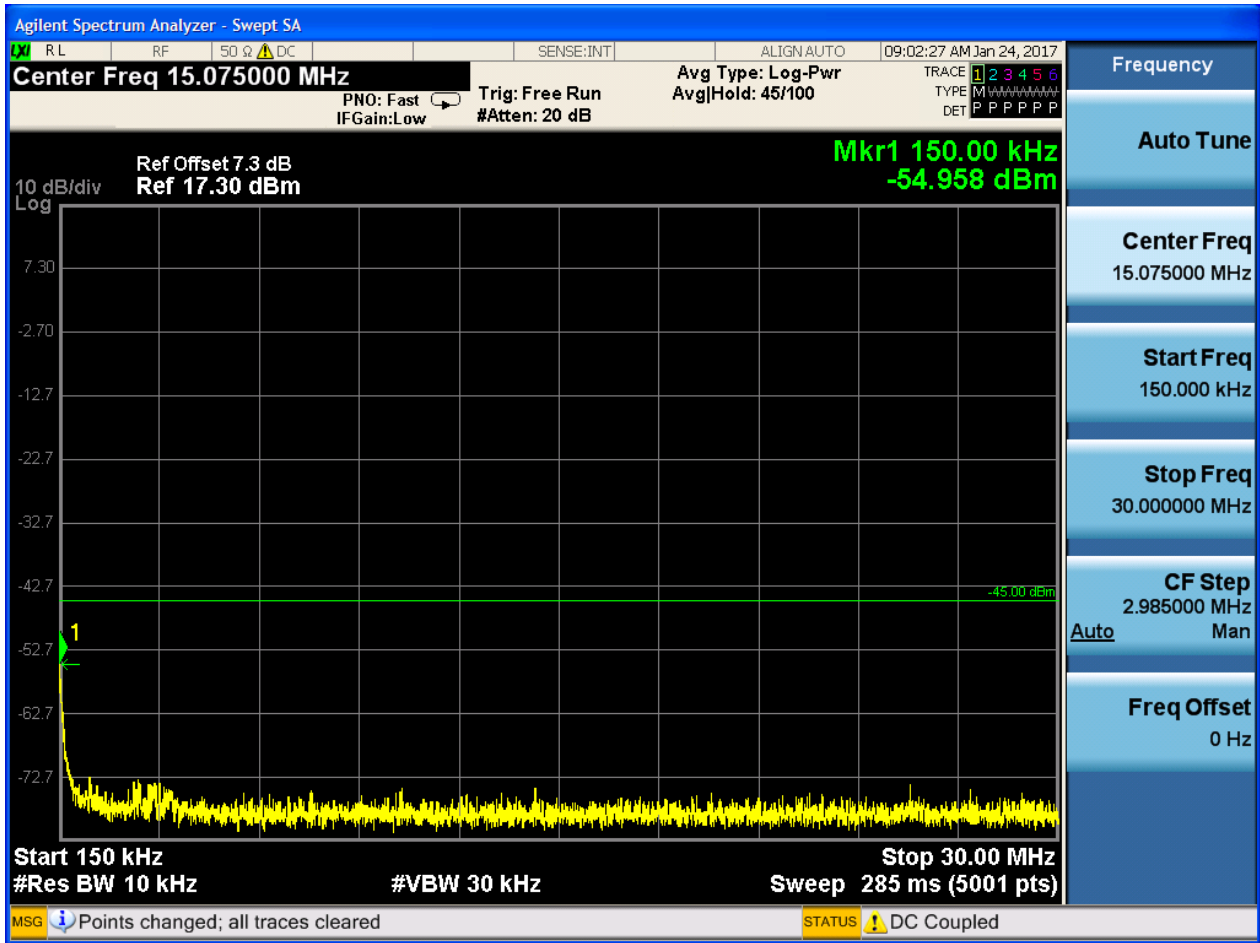


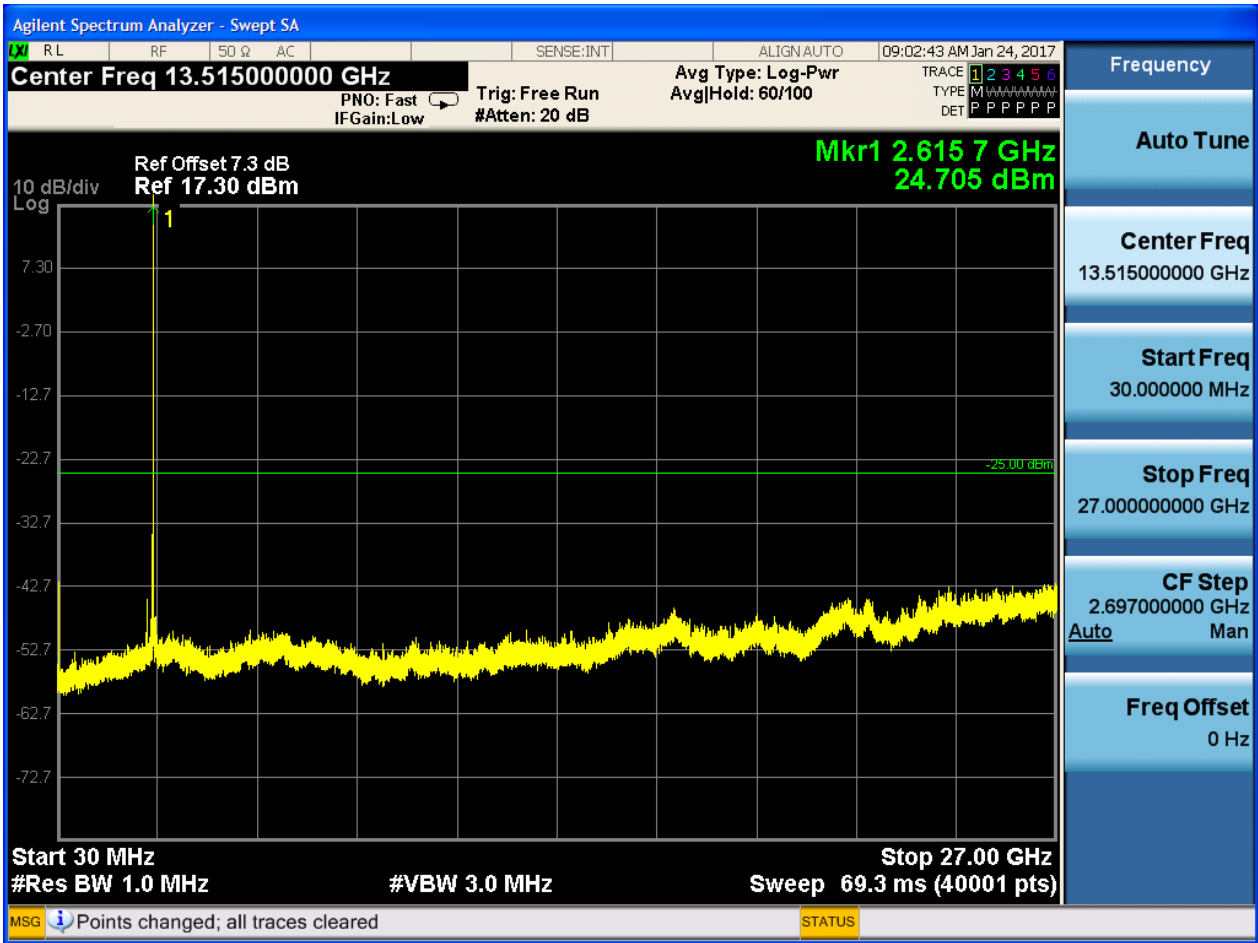


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





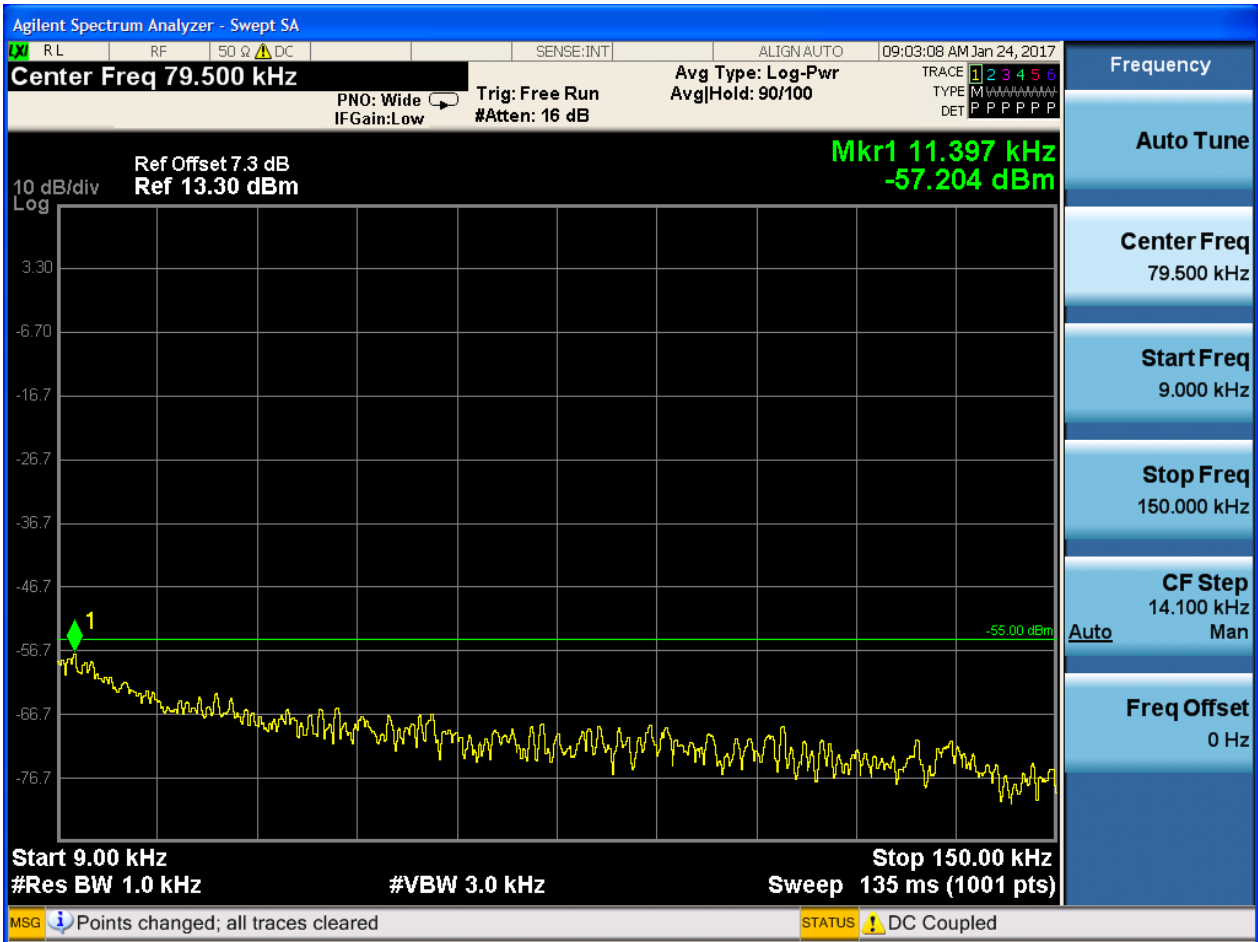




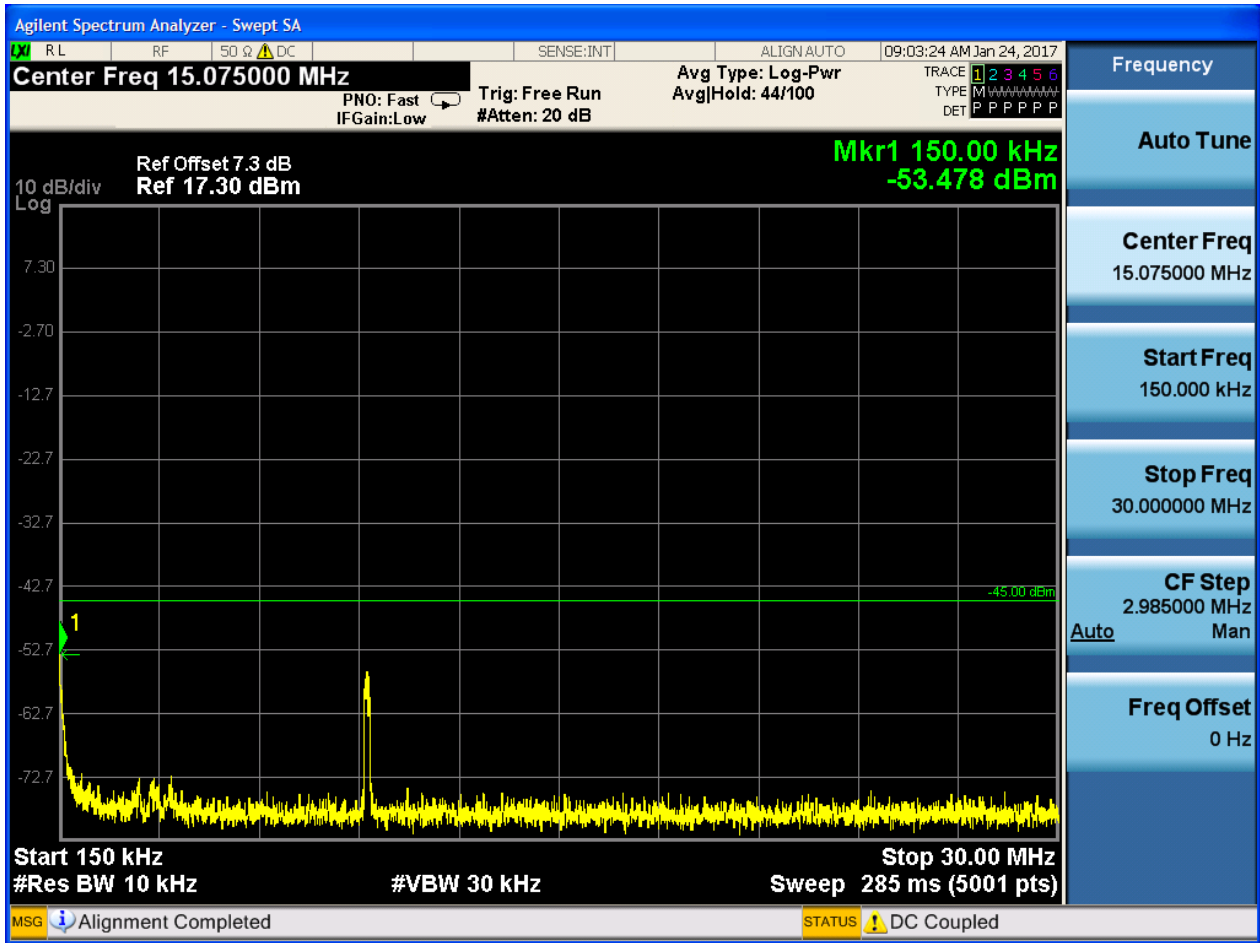
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





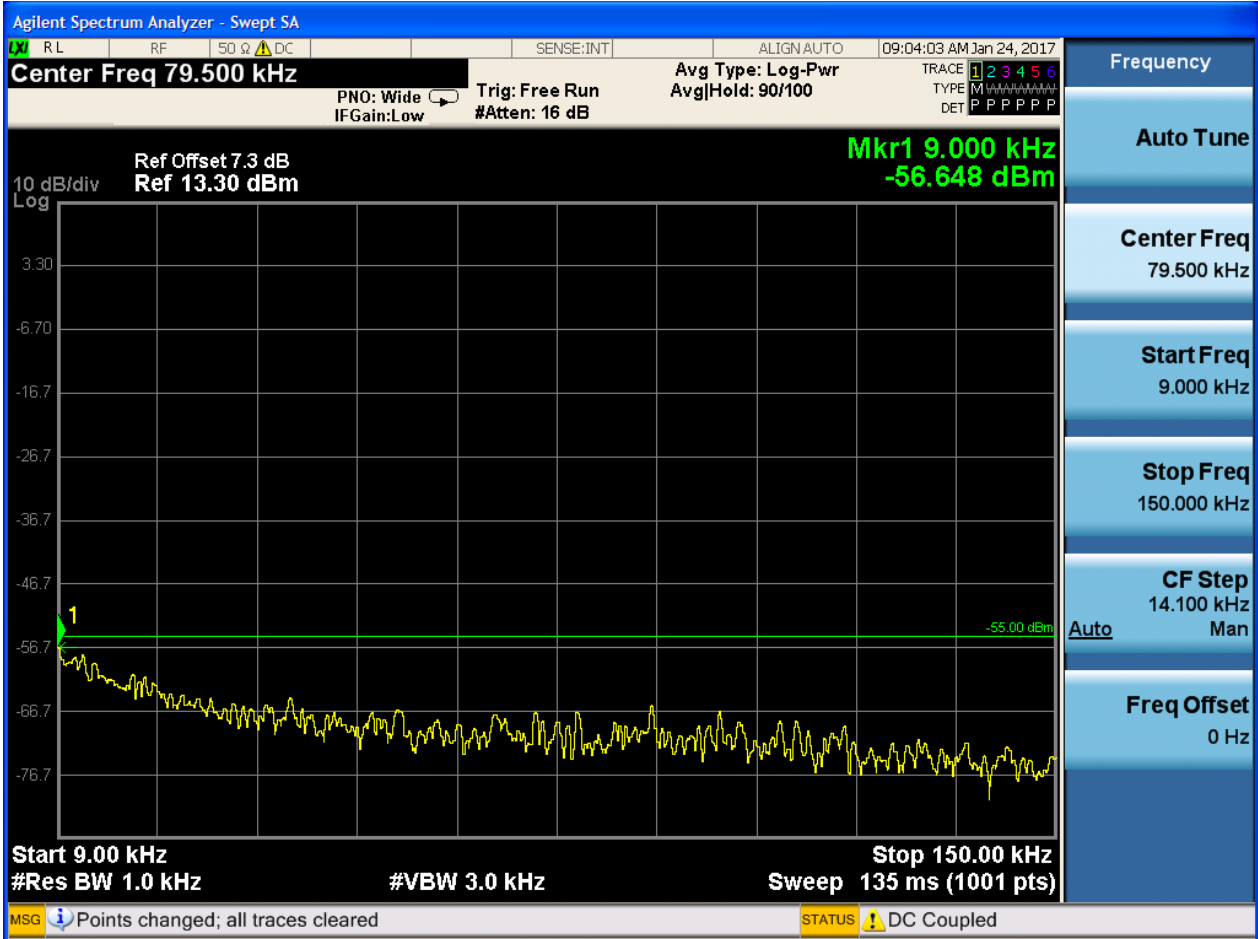


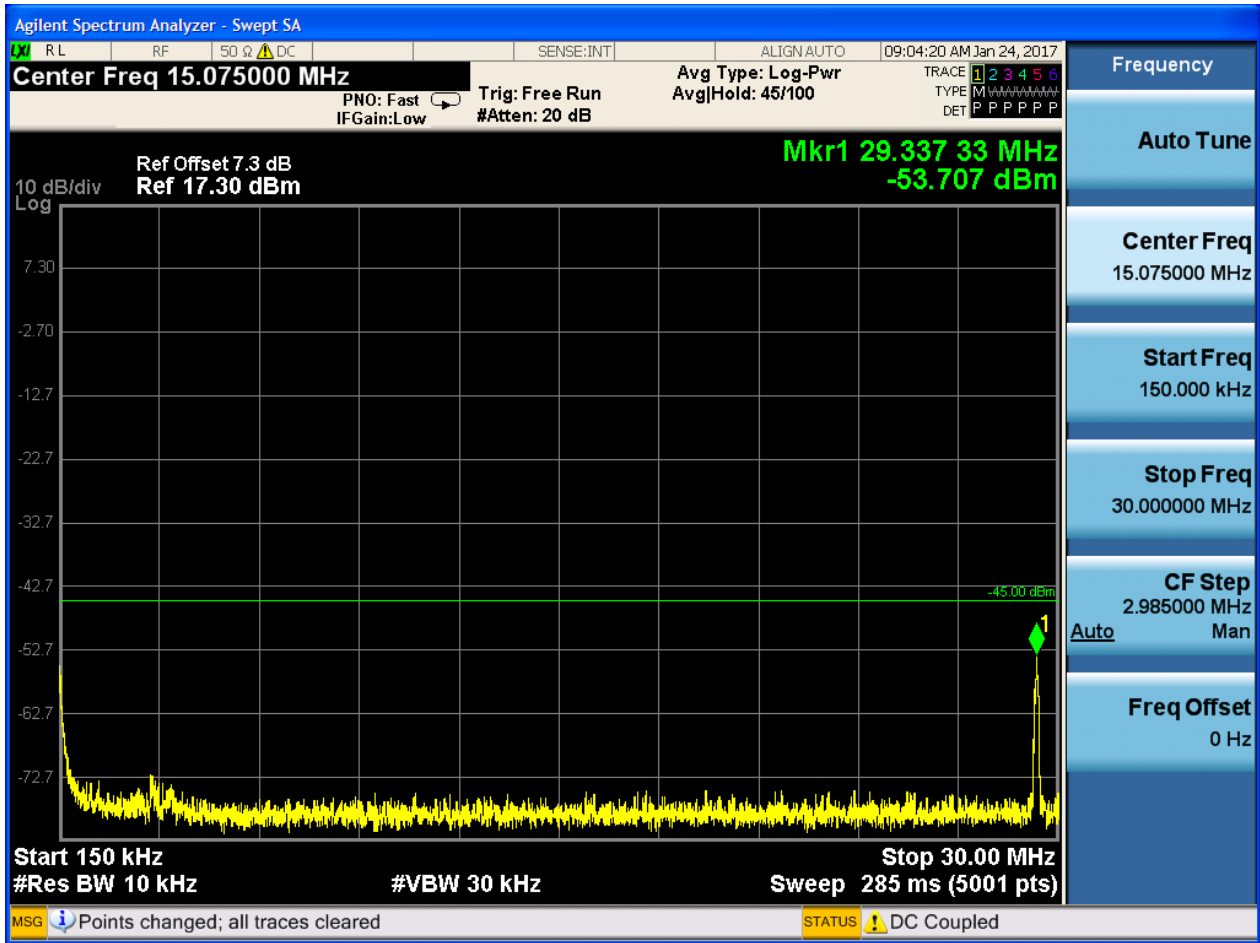


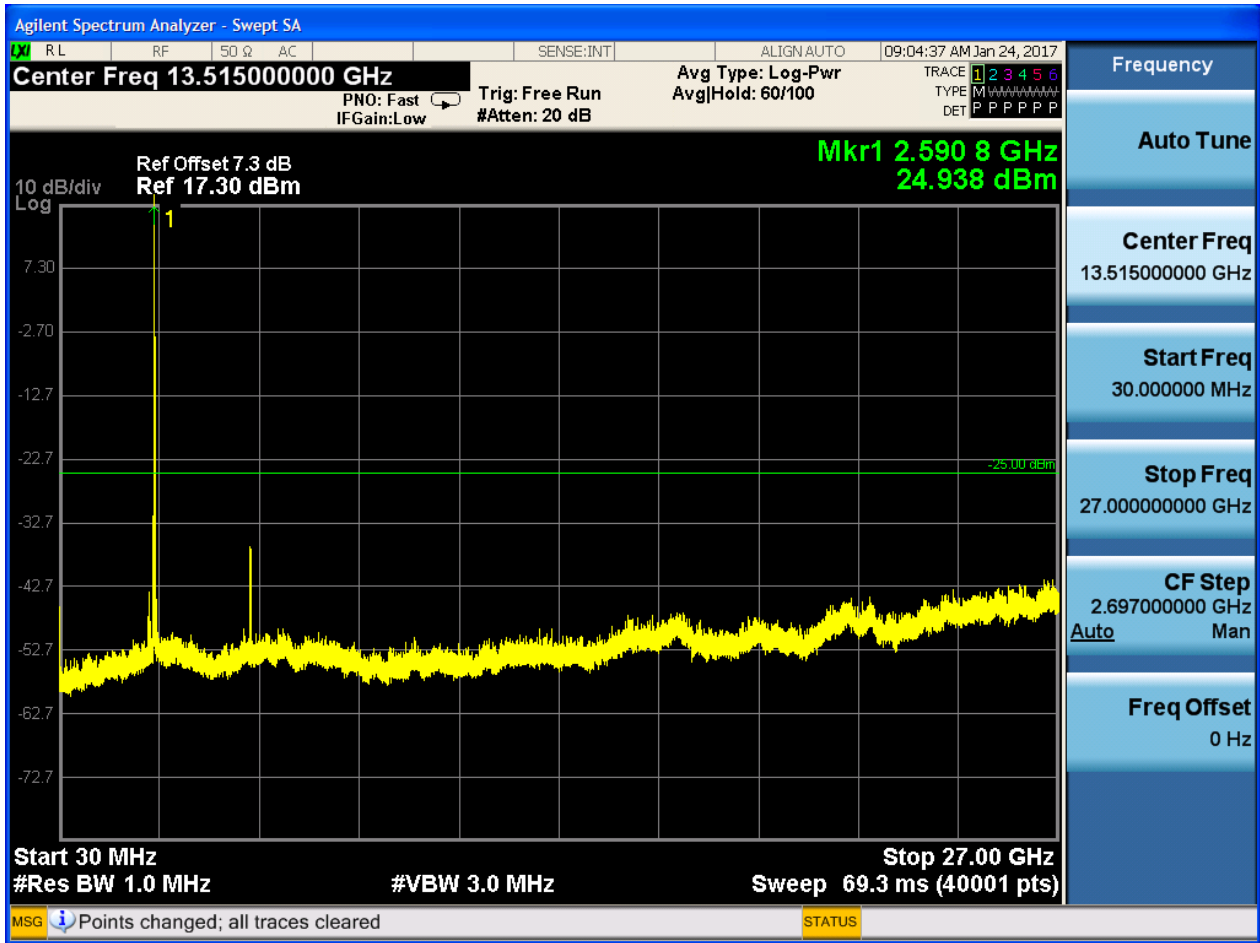


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



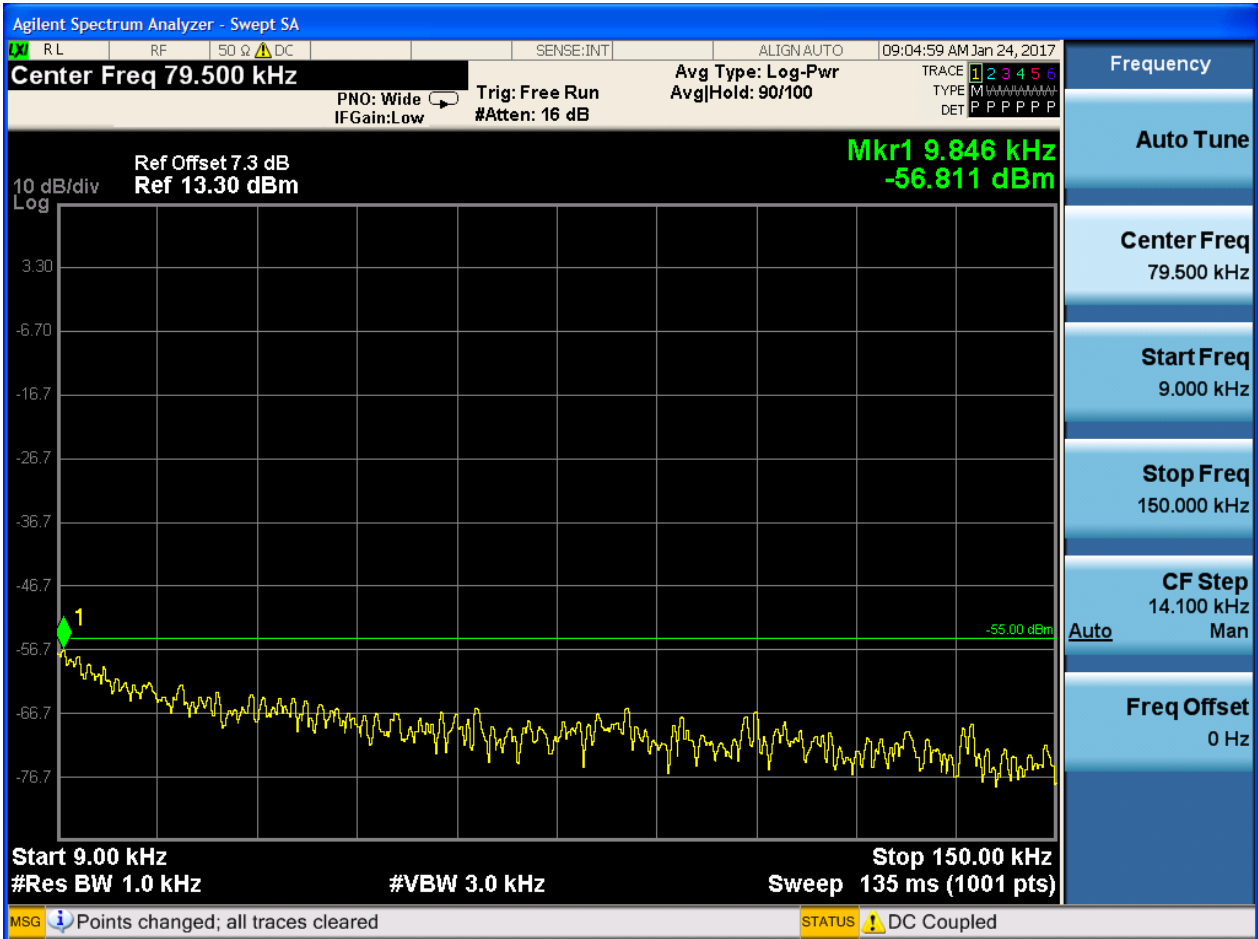


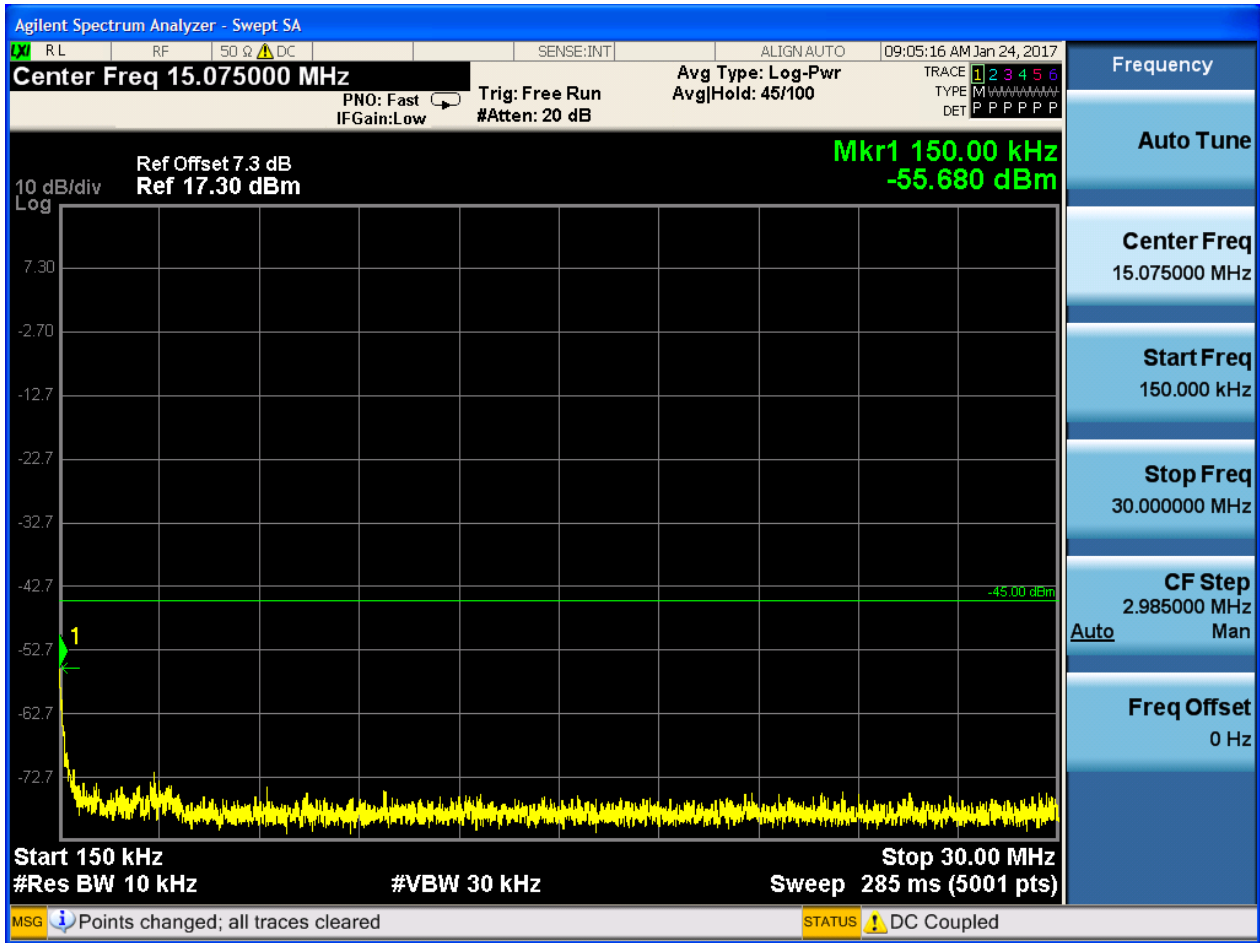


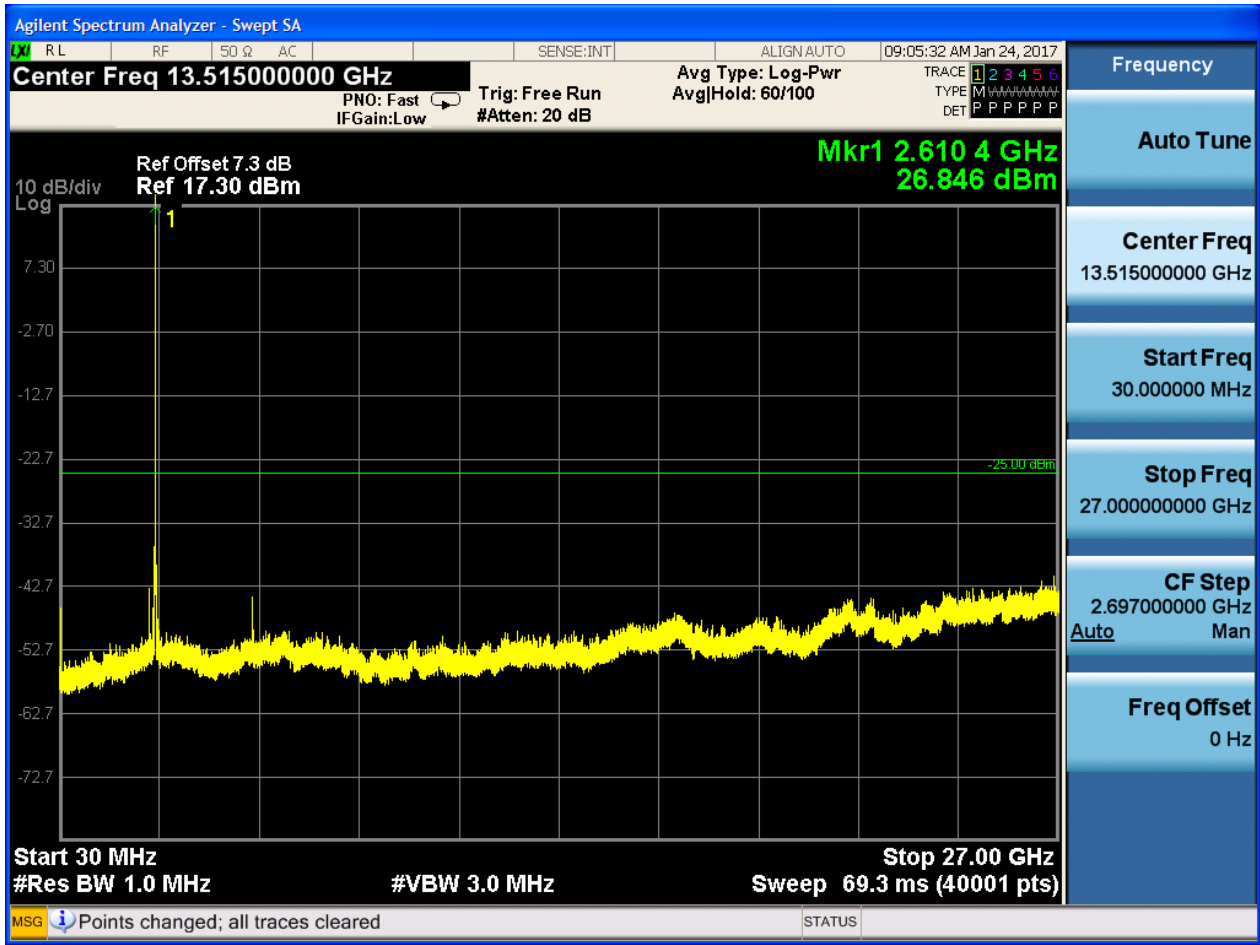


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







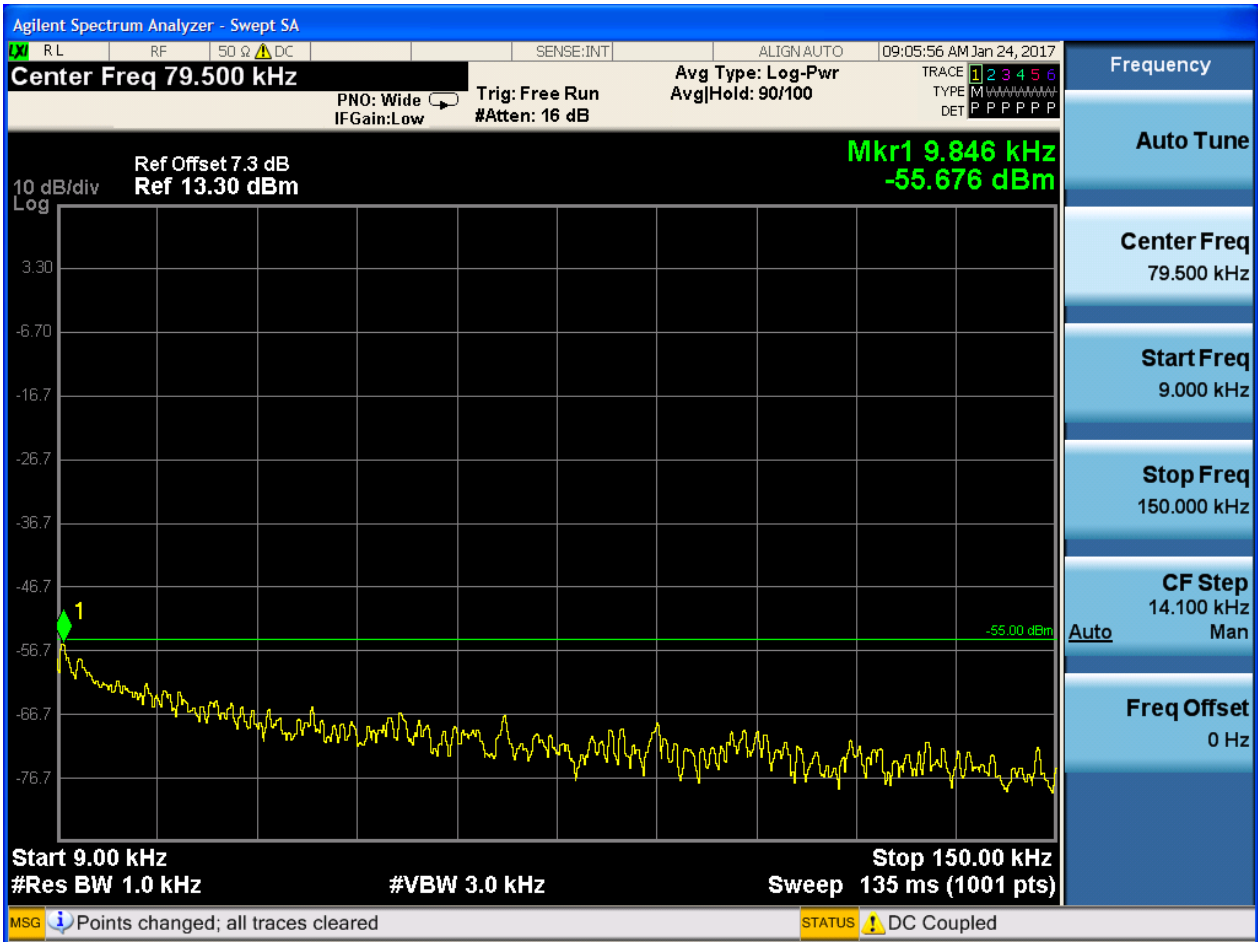


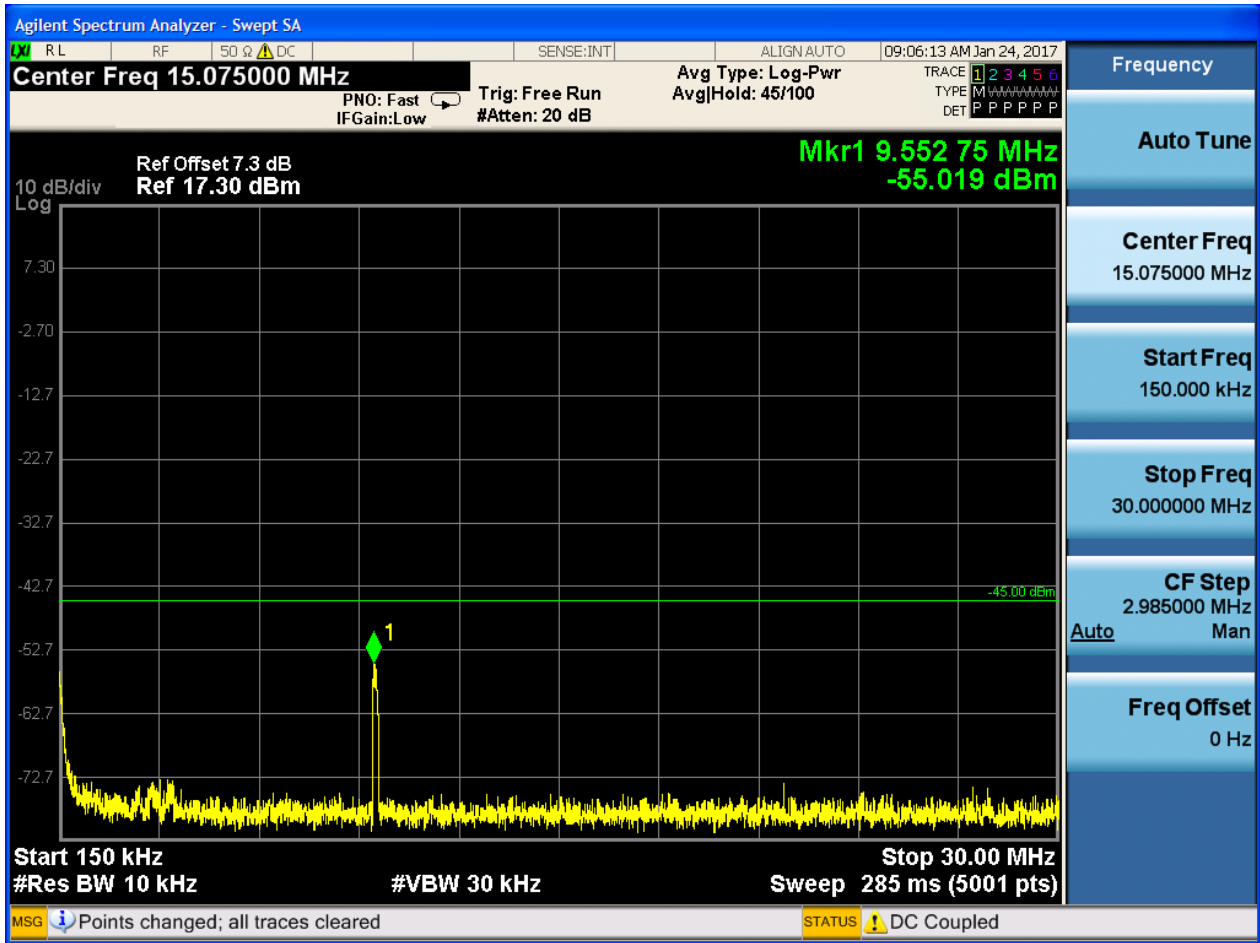


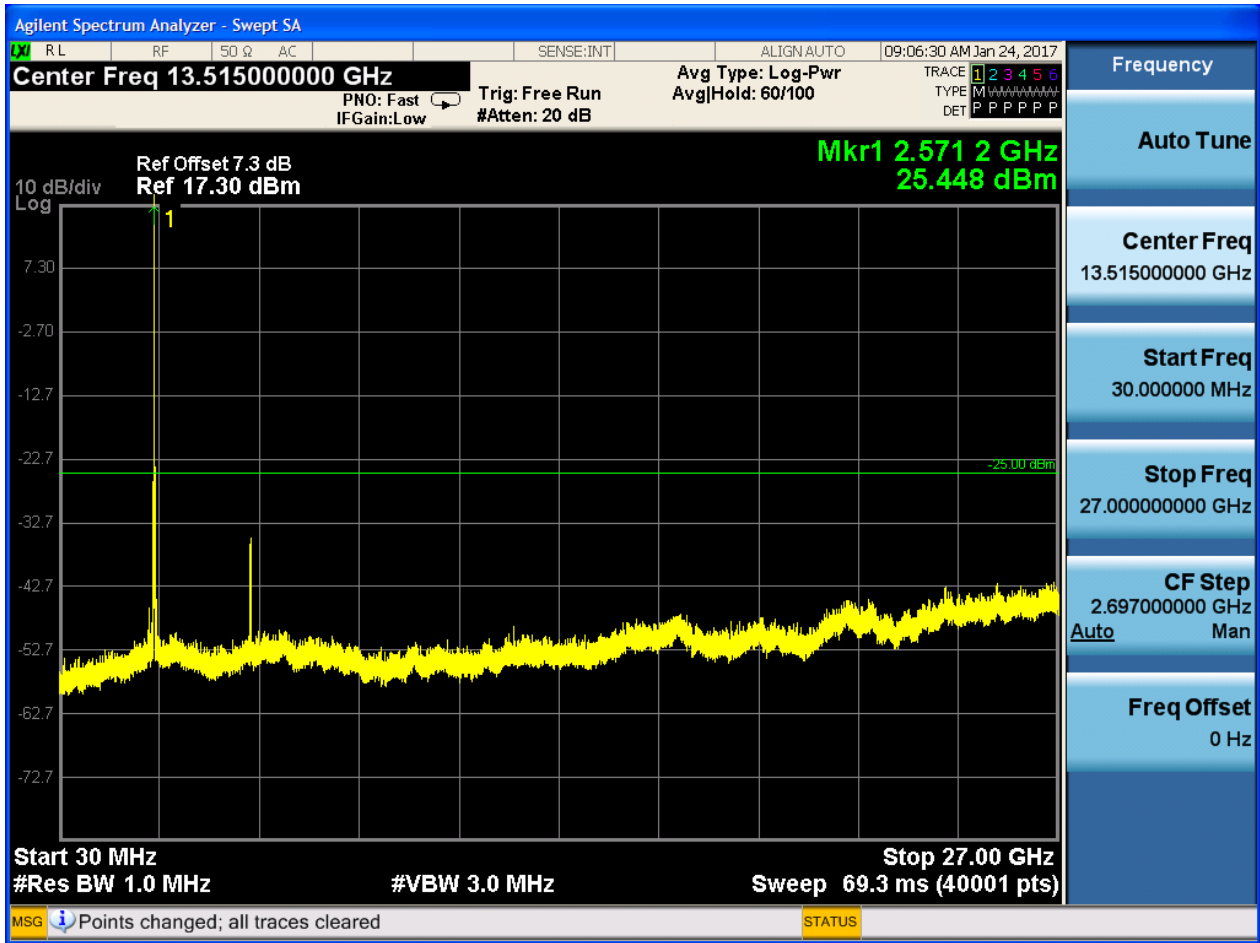
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



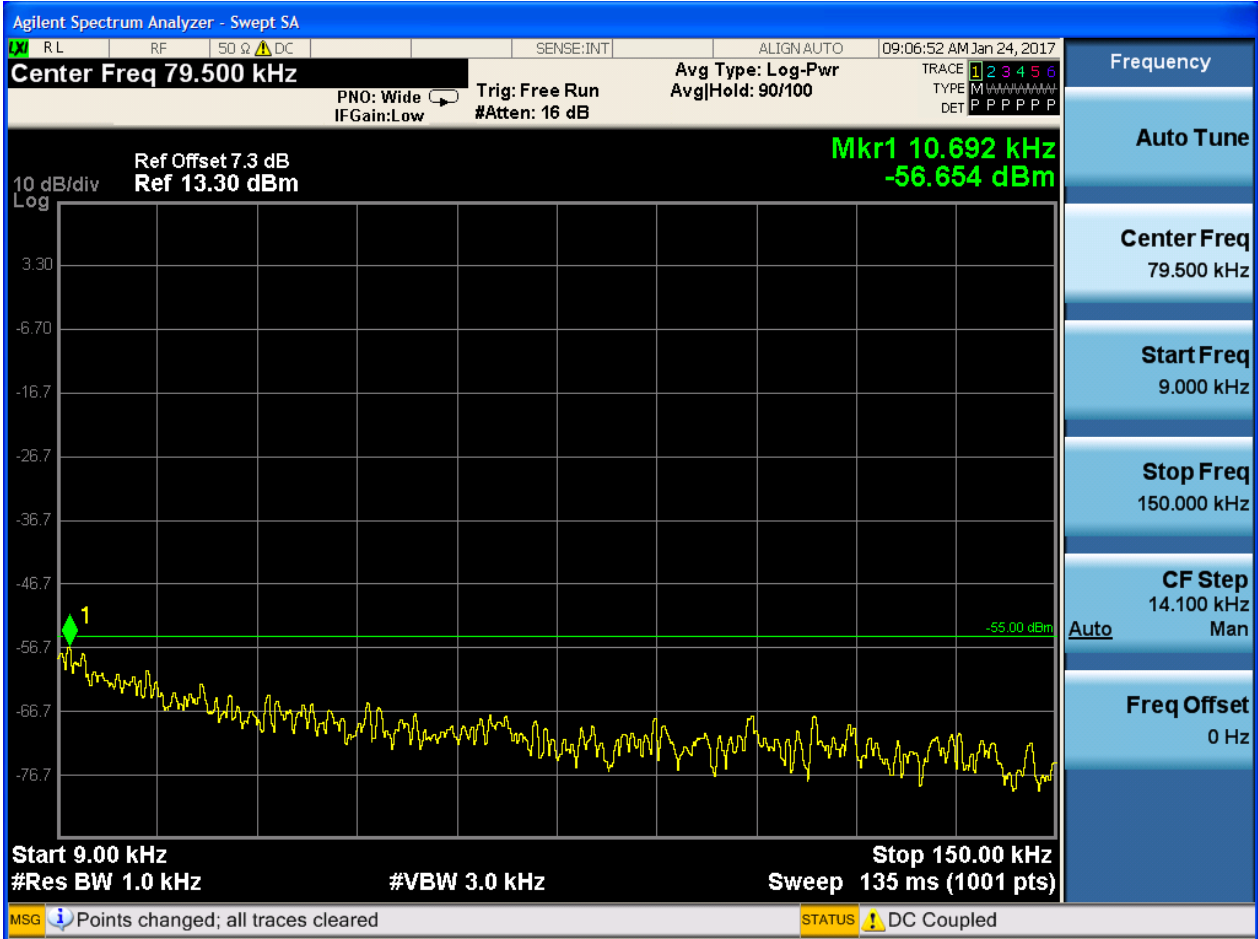


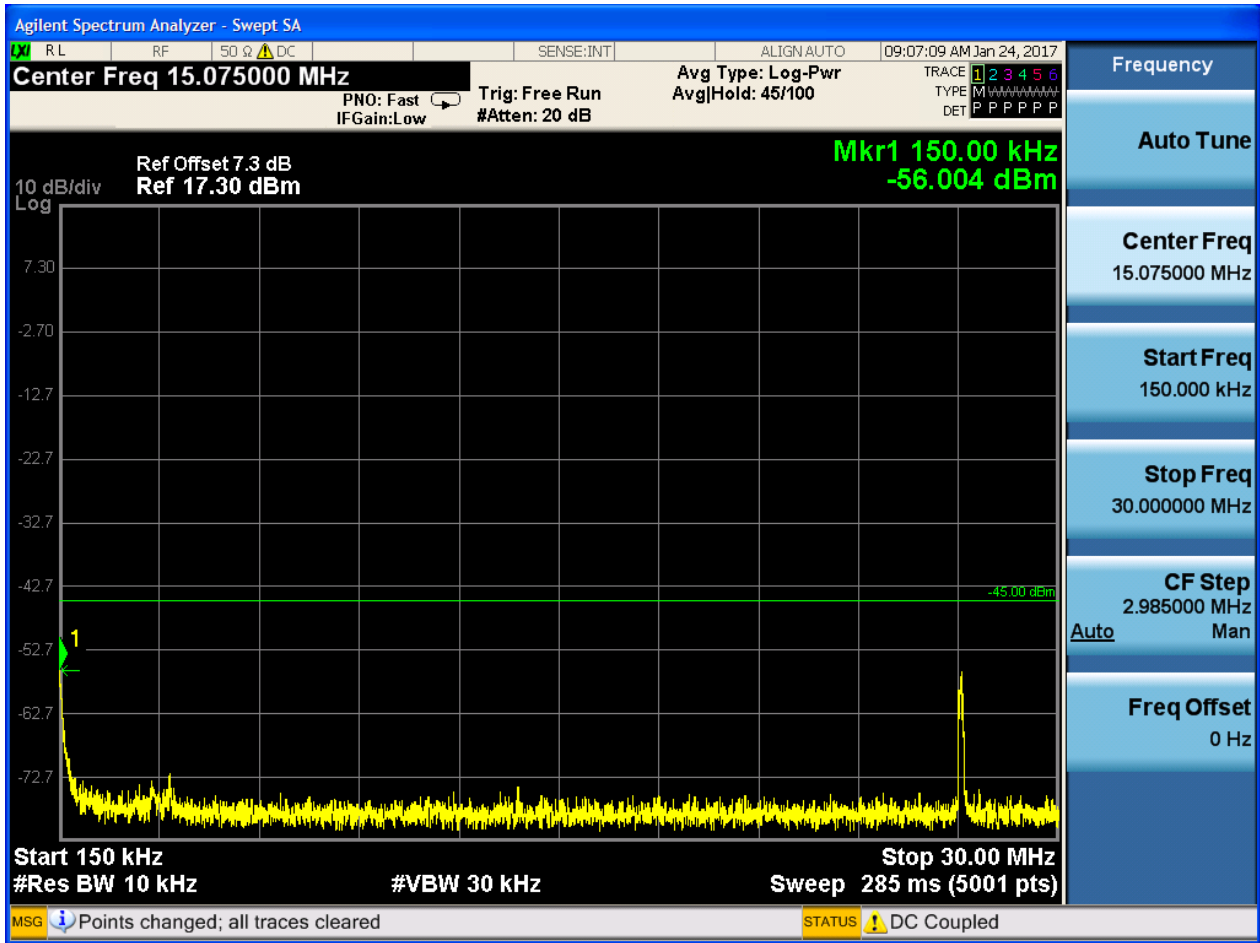


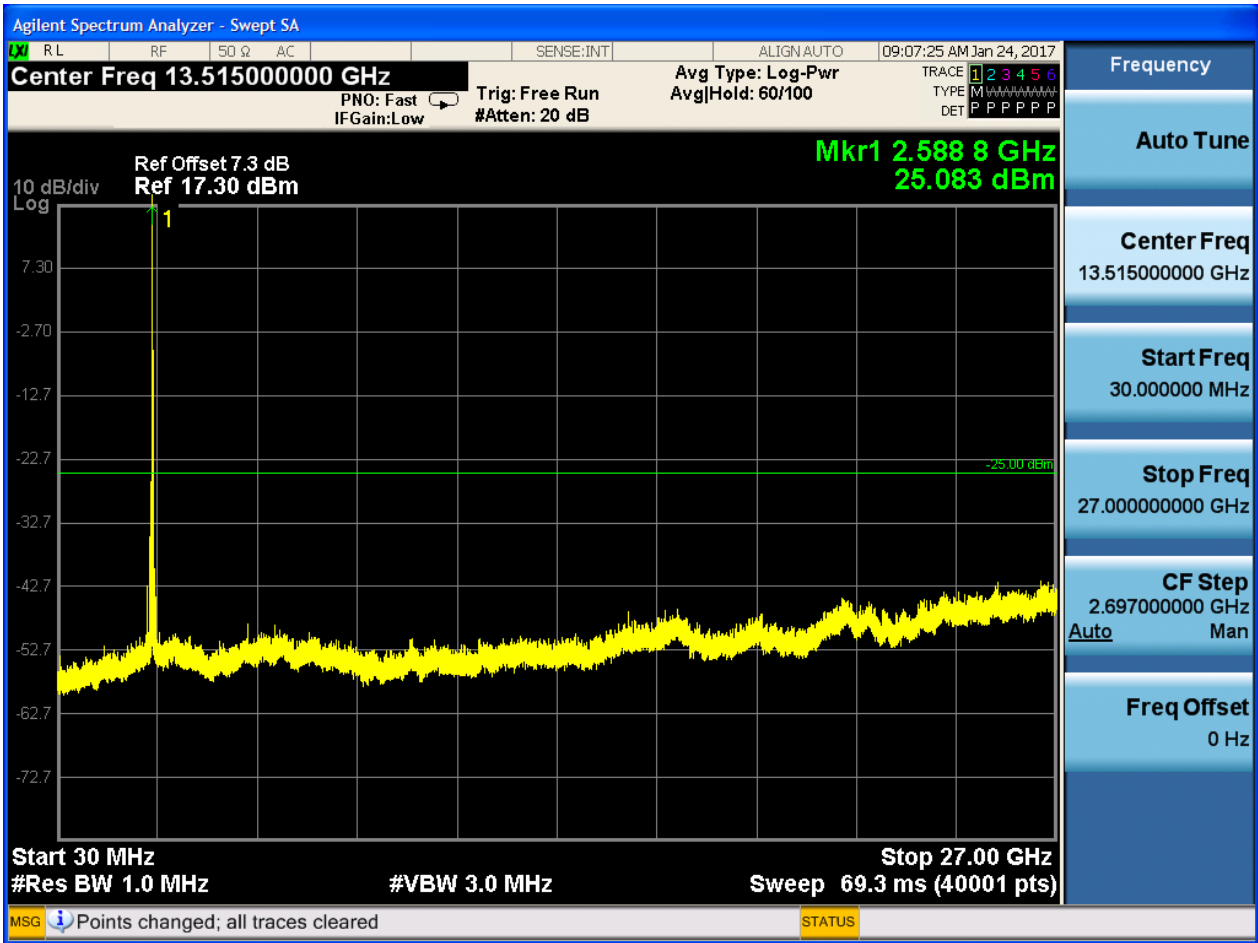


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



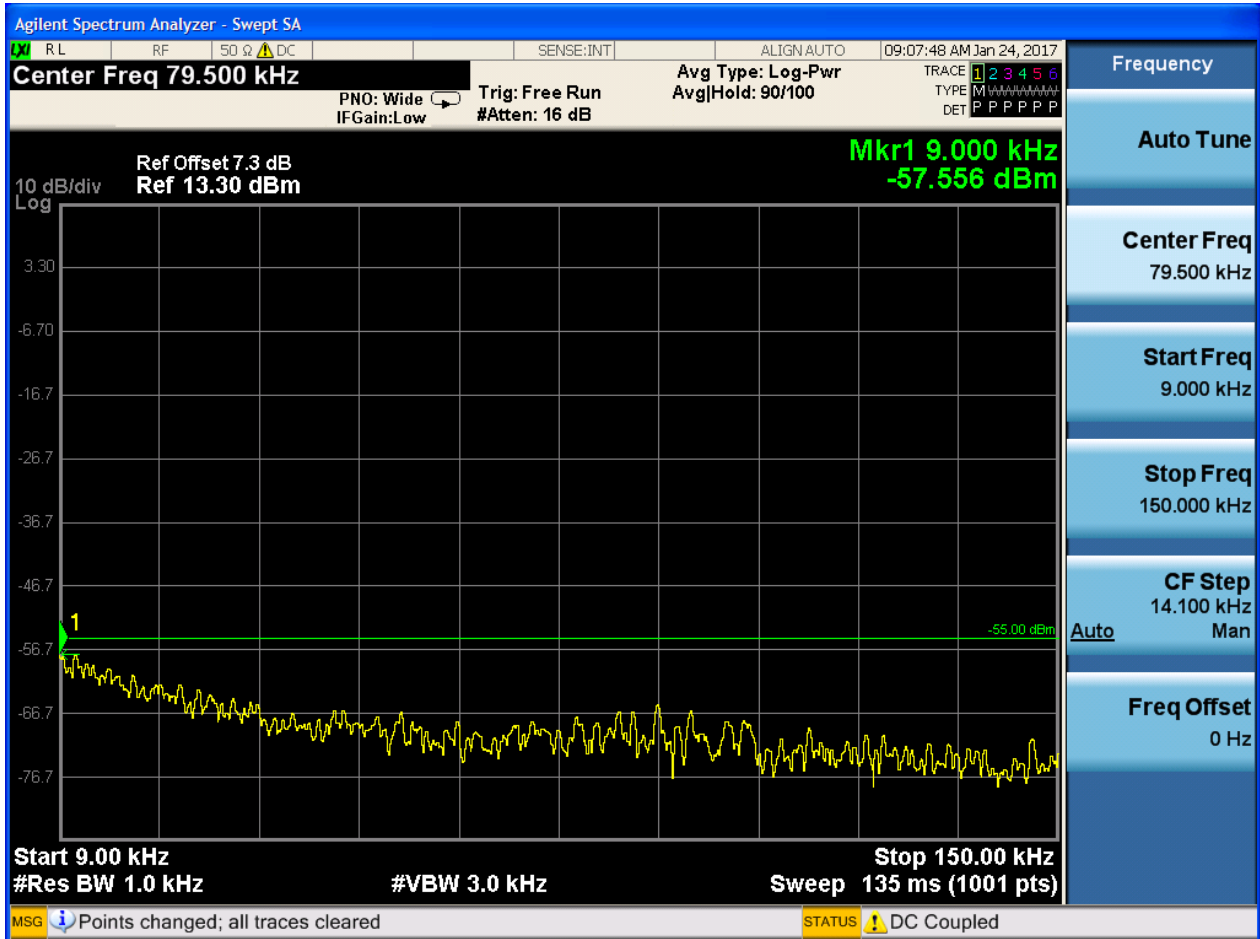


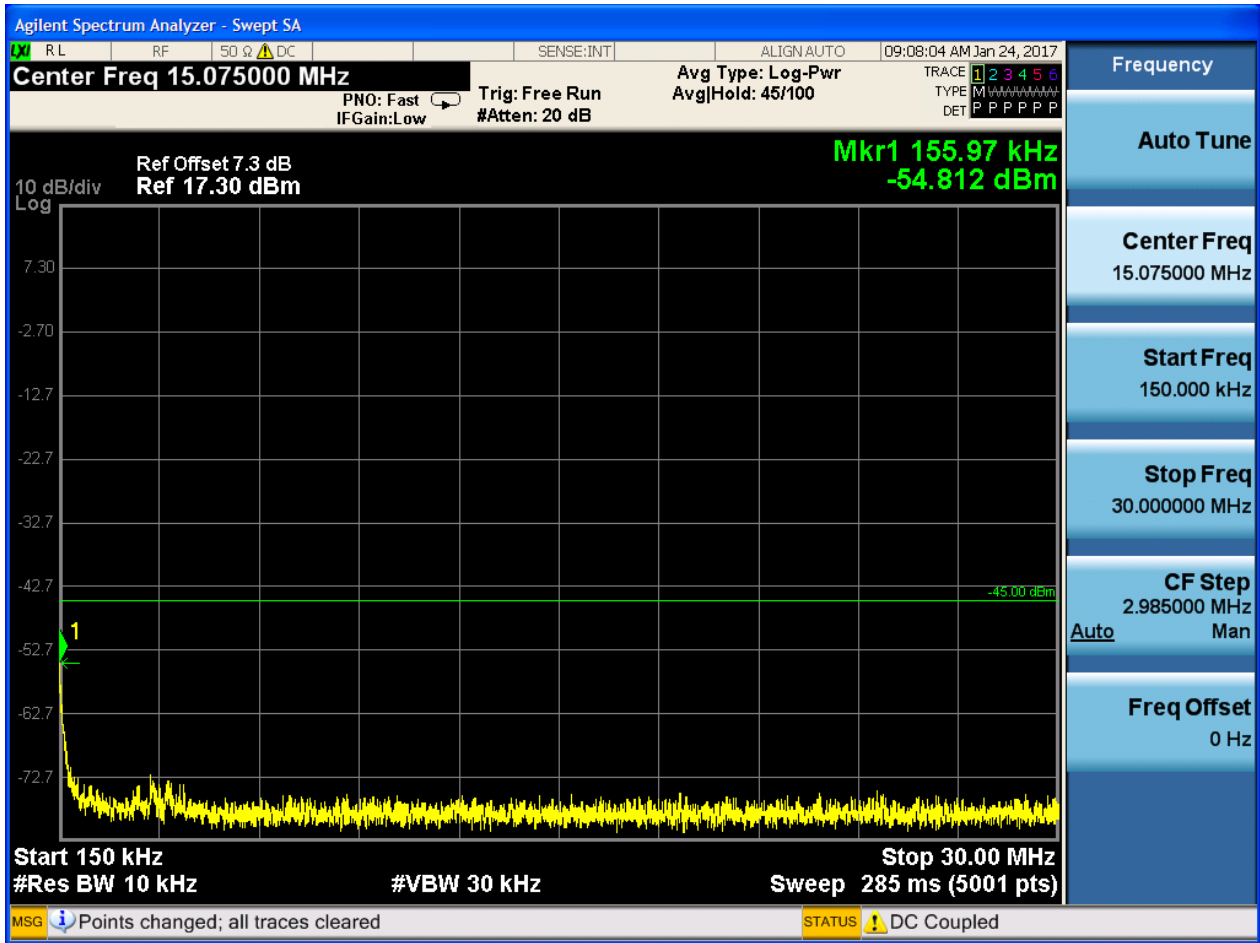




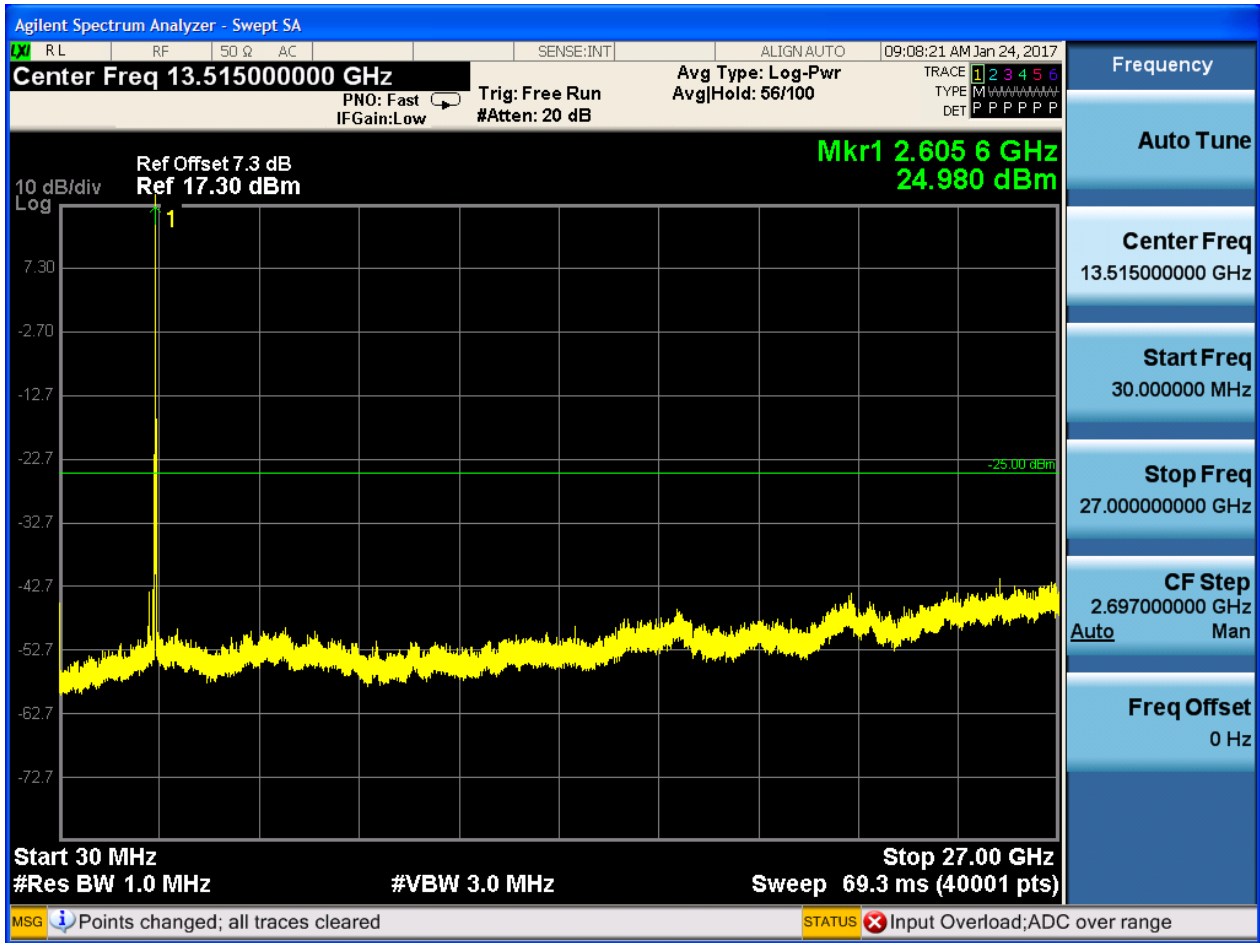
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







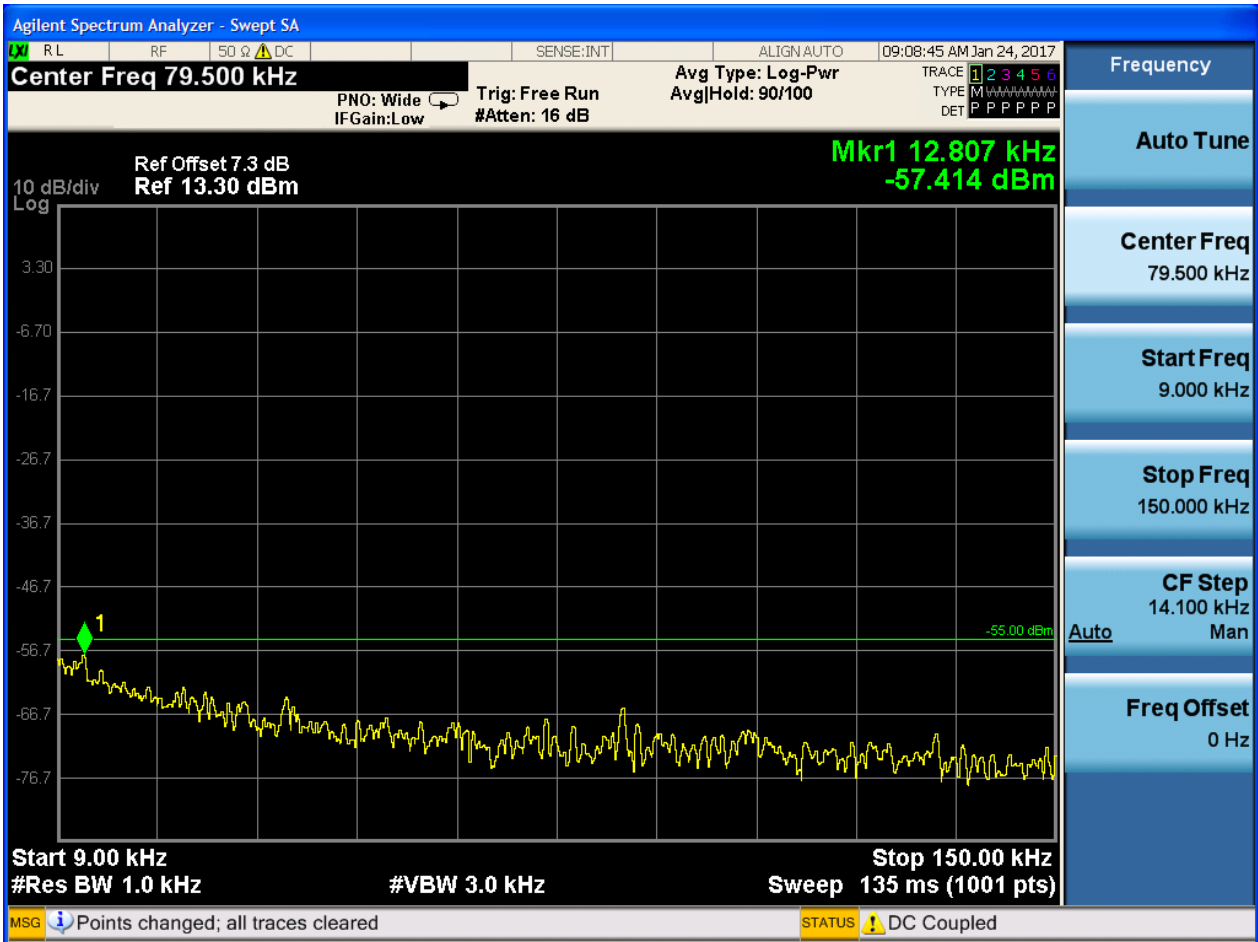


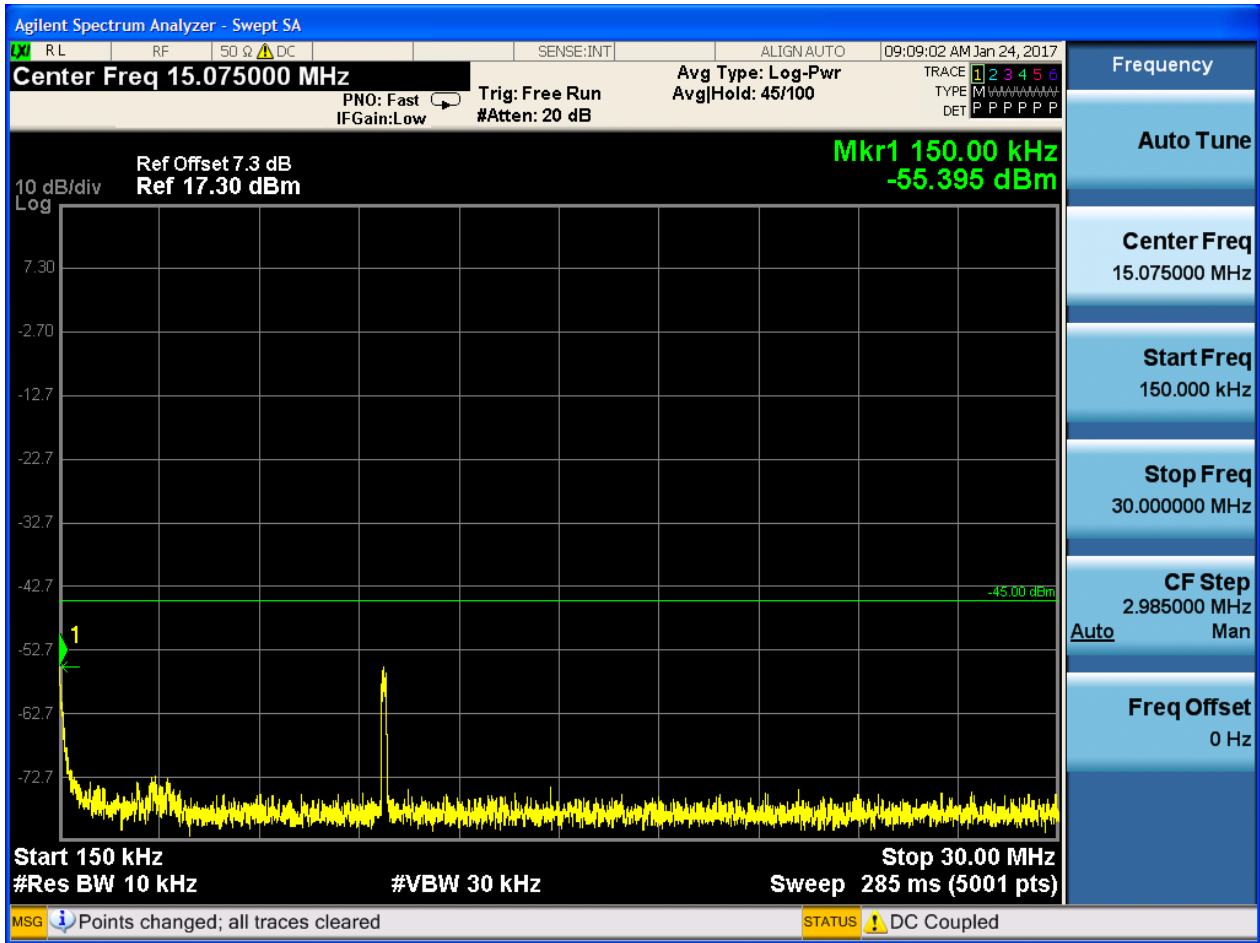


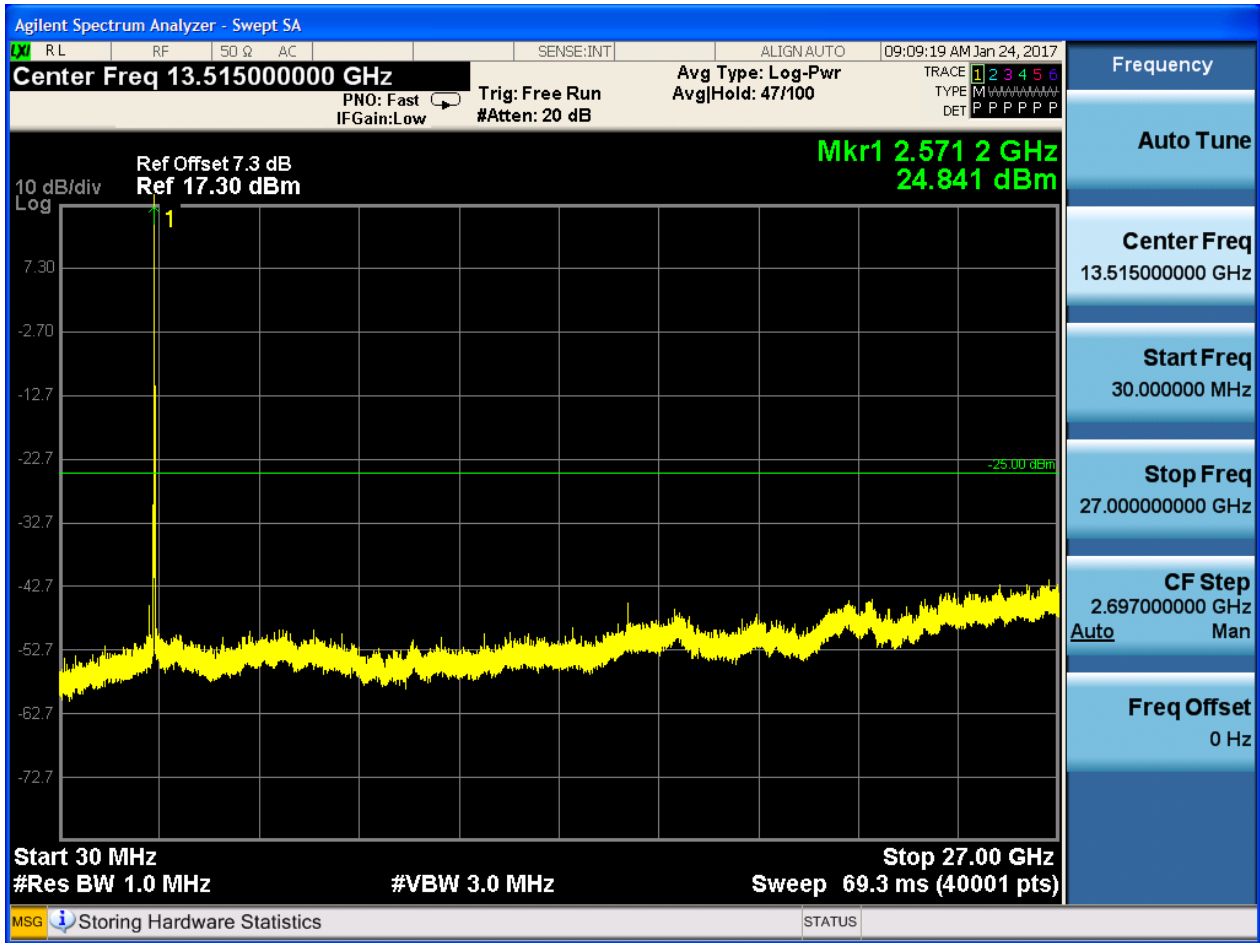
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



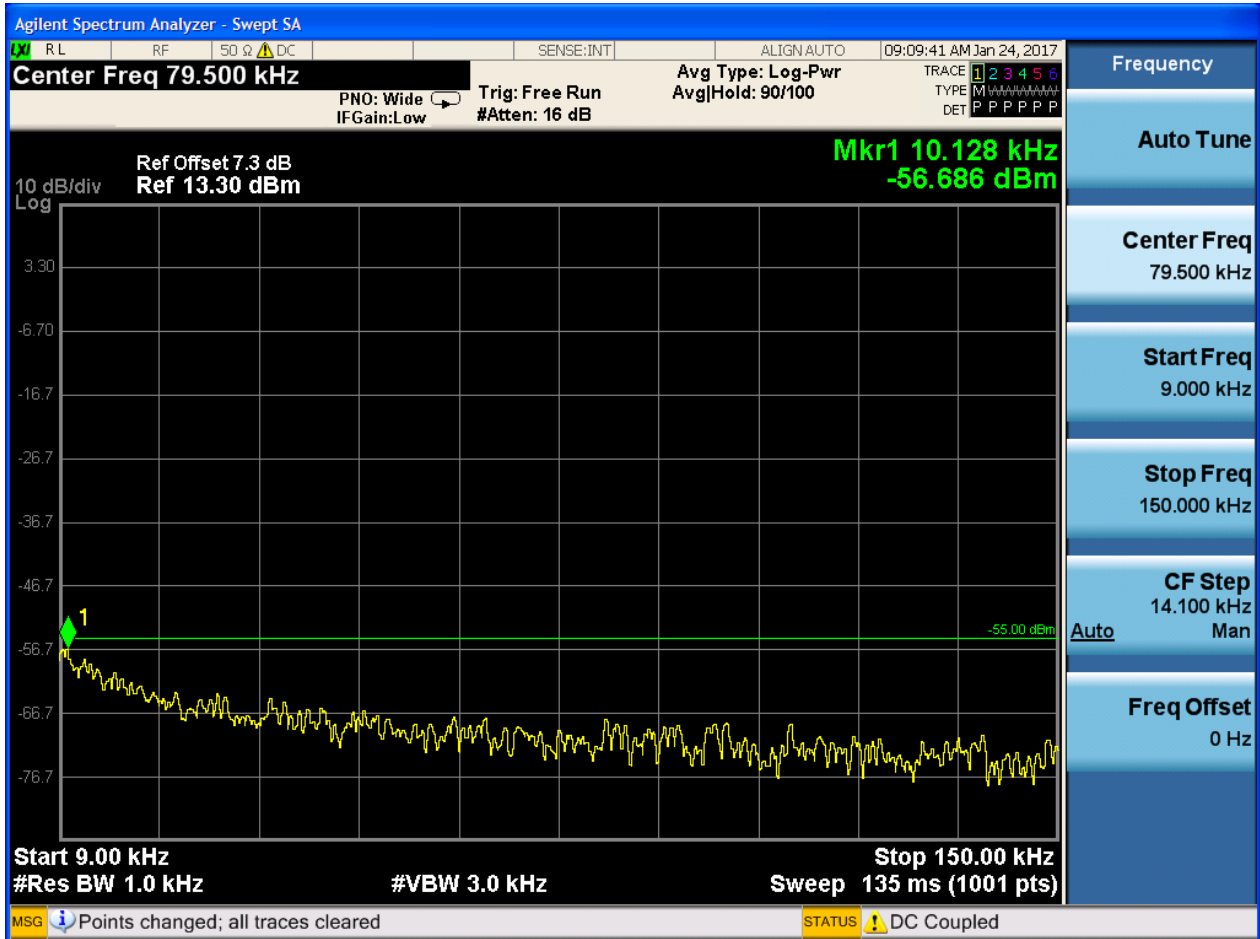


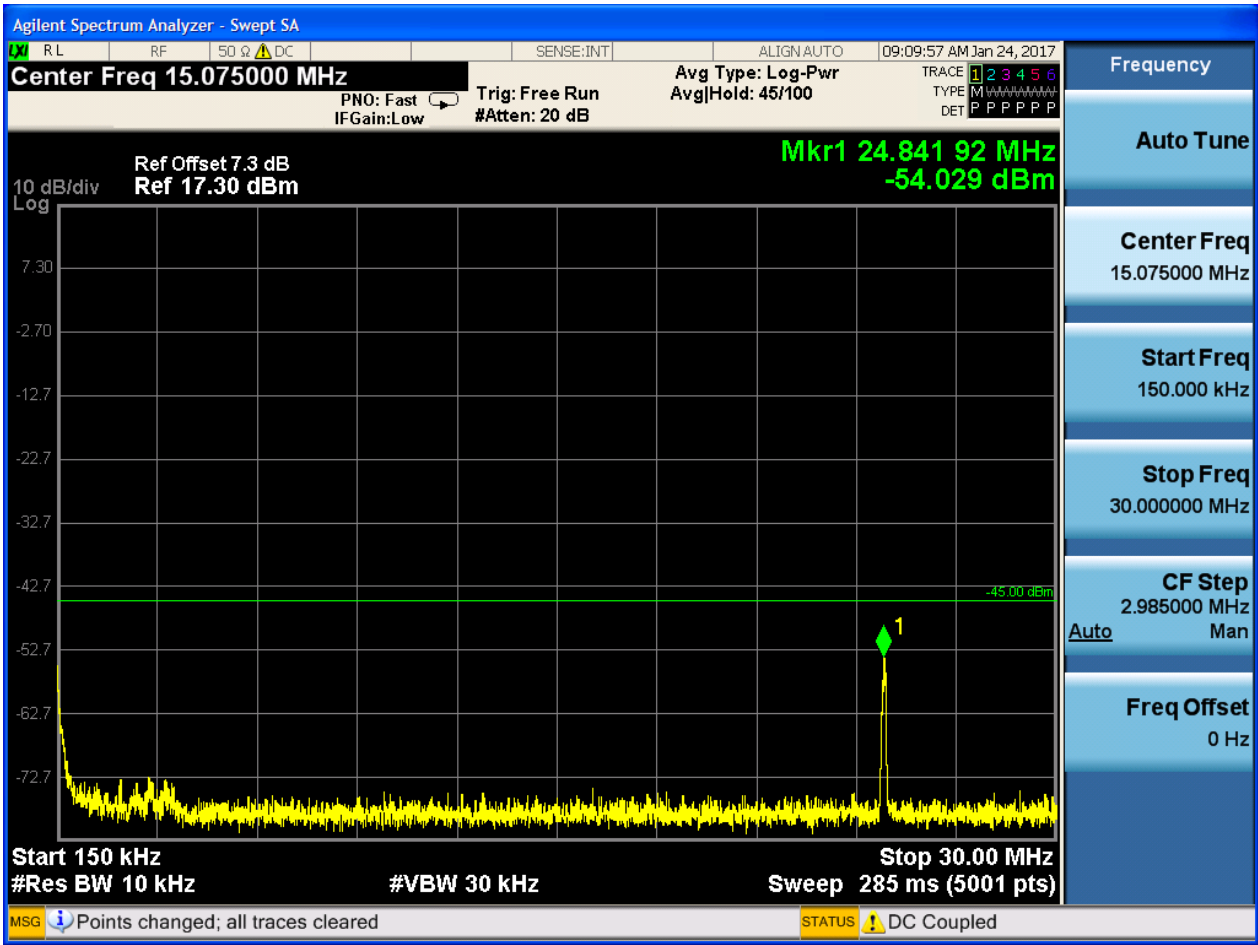


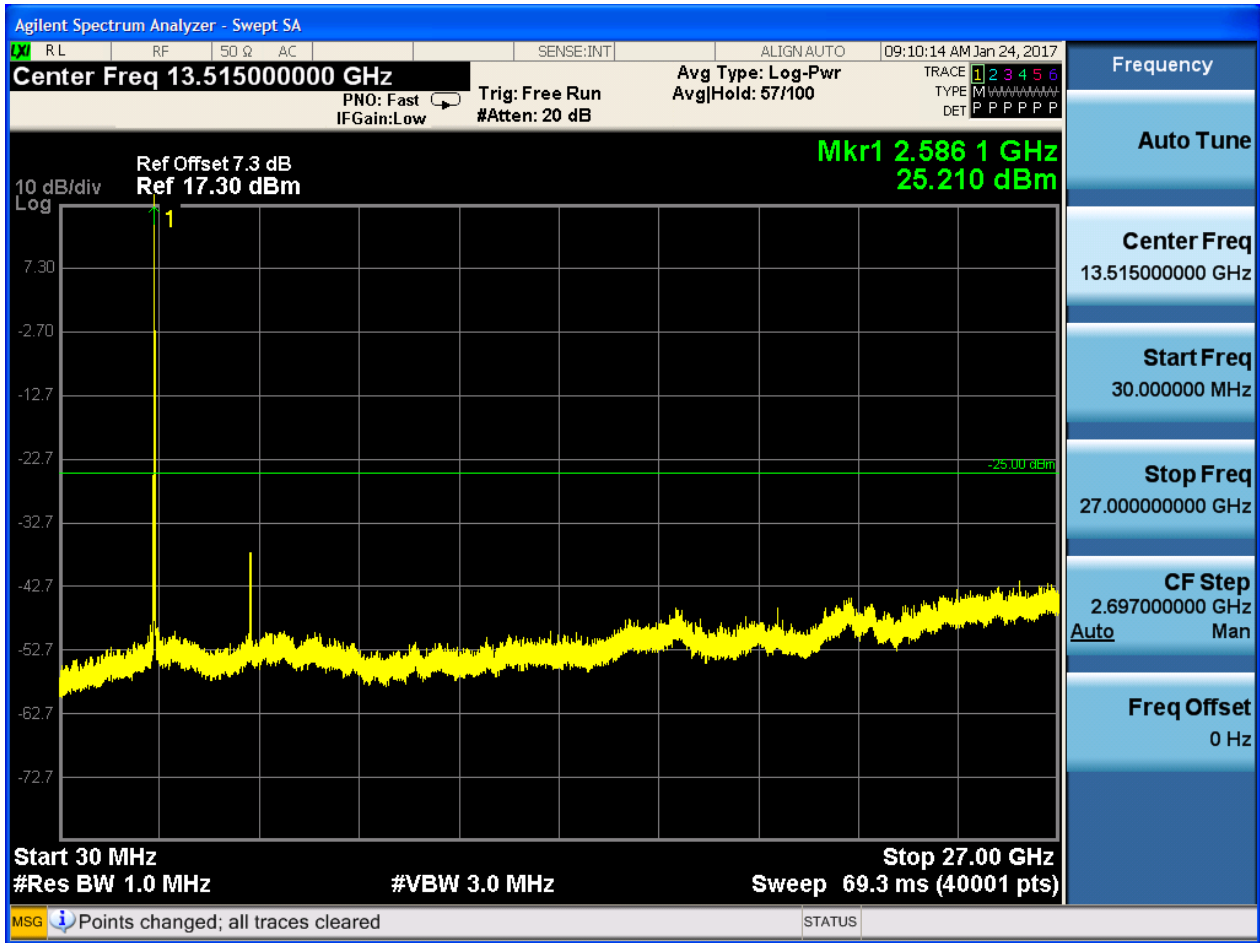


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



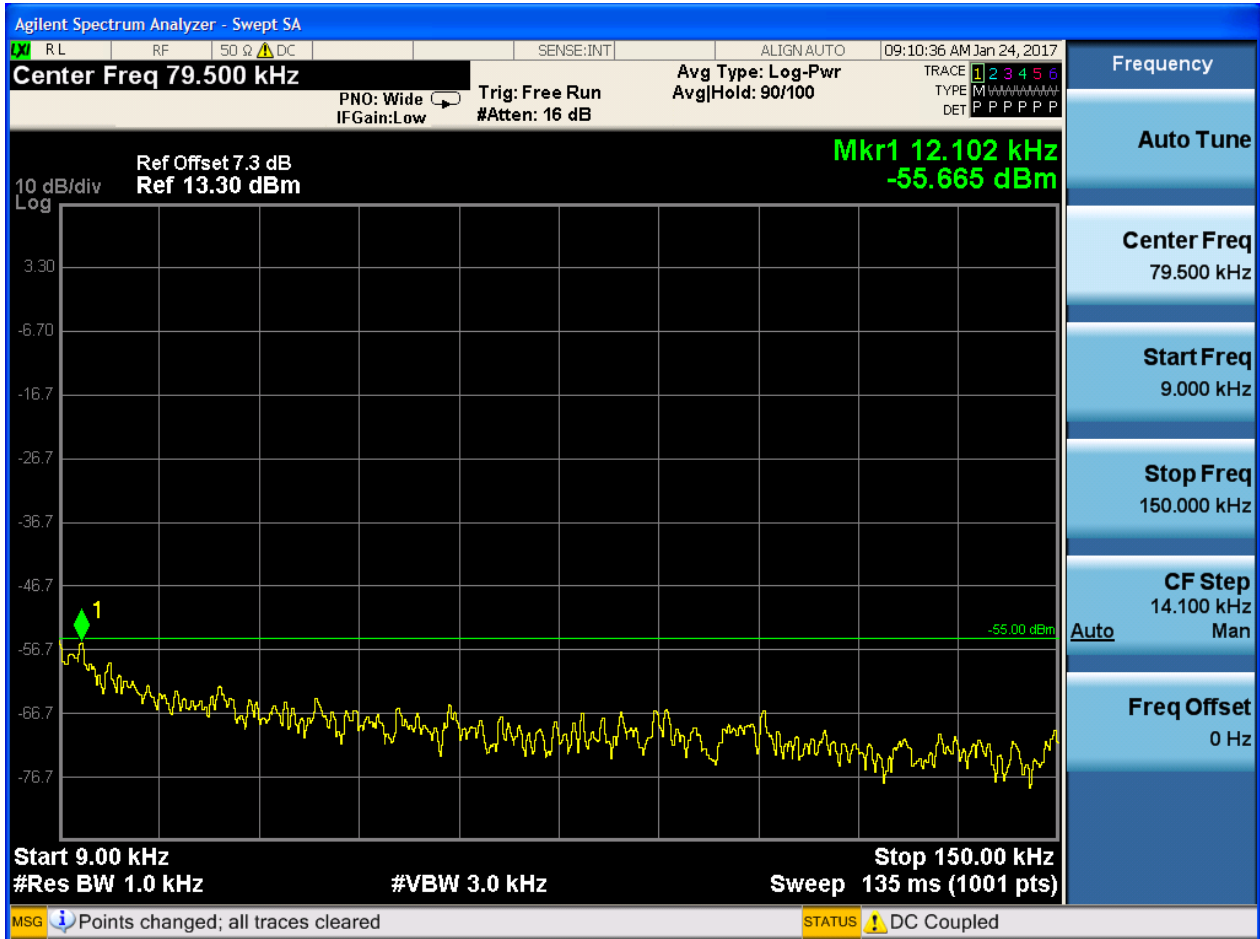




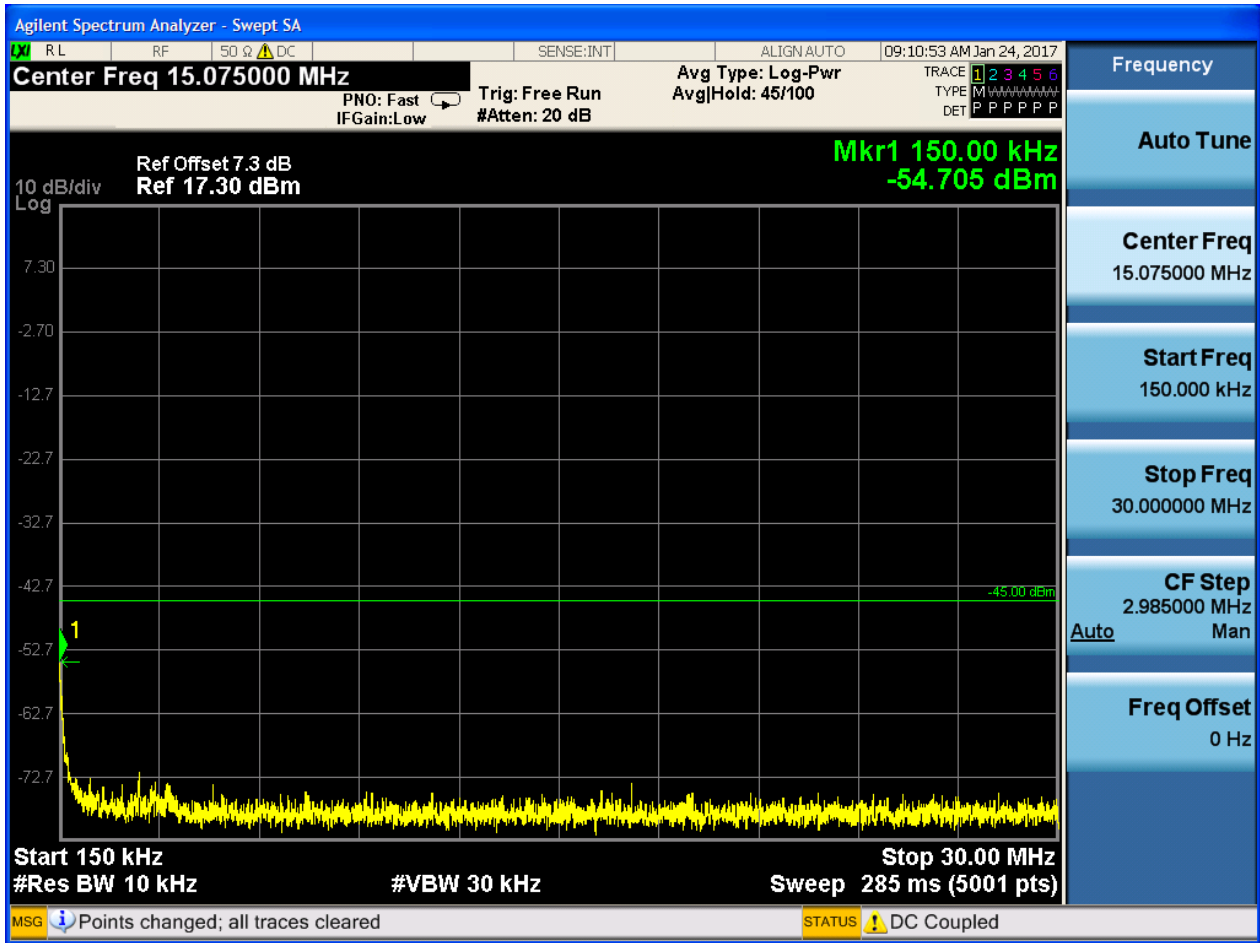


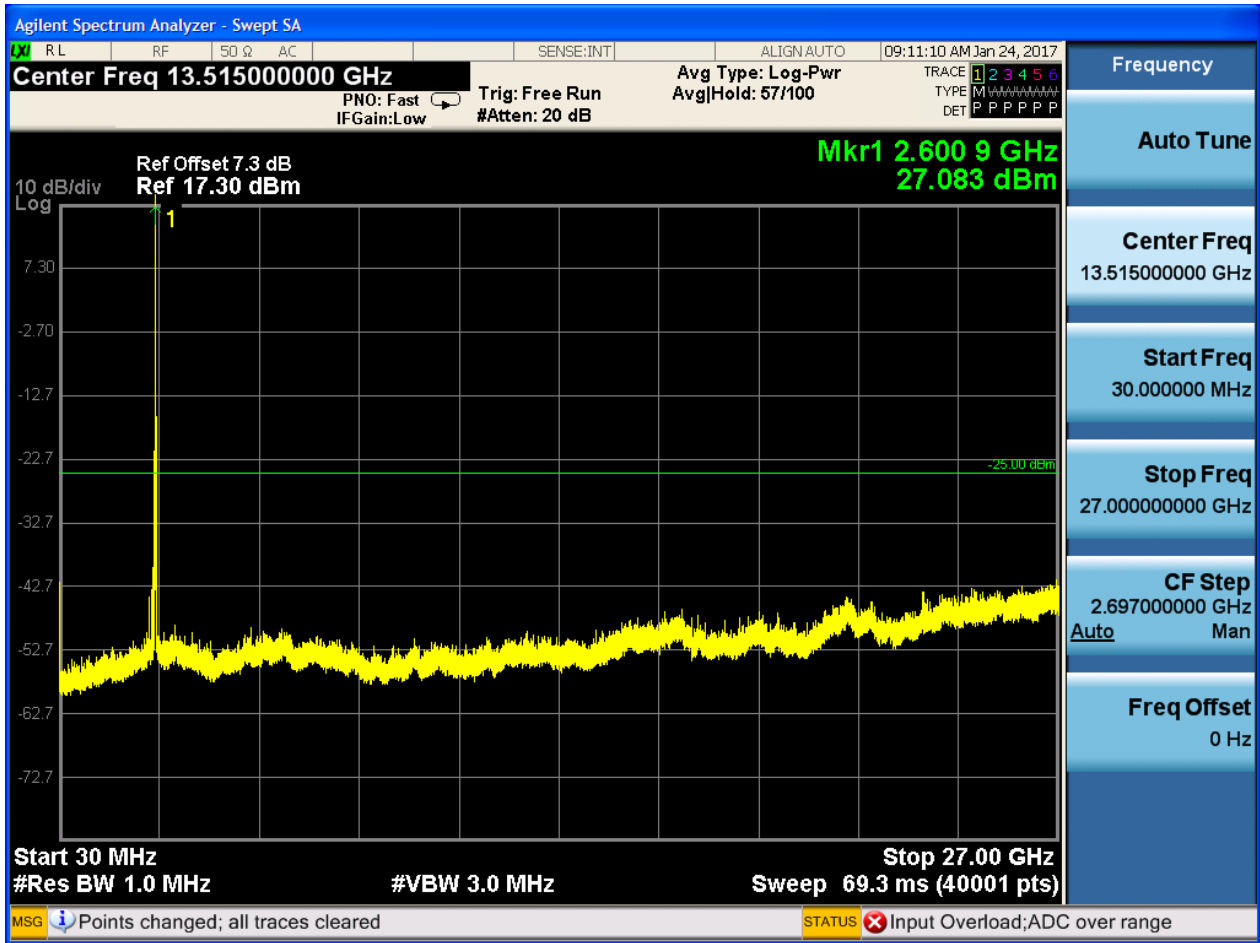
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0











## 7Appendix\_G: Frequency Stability

### 7.1 For LTE

#### 7.1.1Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND38    | LTE/TM1   | 5                    | LCH          | TN         | VL         | 2.7              | 0.00105               | PASS    |
|           |           |                      |              |            | VN         | 4.51             | 0.00175               | PASS    |
|           |           |                      |              |            | VH         | 7.94             | 0.00309               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 3.03             | 0.00117               | PASS    |
|           |           |                      |              |            | VN         | -1.83            | -0.00071              | PASS    |
|           |           |                      |              |            | VH         | 4.42             | 0.0017                | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.22            | -0.00047              | PASS    |
|           |           |                      |              |            | VN         | -4.31            | -0.00165              | PASS    |
|           |           |                      |              |            | VH         | -2.07            | -0.00079              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -1.99            | -0.00077              | PASS    |
|           |           |                      |              |            | VN         | -4.15            | -0.00161              | PASS    |
|           |           |                      |              |            | VH         | -9.14            | -0.00355              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 5.78             | 0.00223               | PASS    |
|           |           |                      |              |            | VN         | -0.53            | -0.0002               | PASS    |
|           |           |                      |              |            | VH         | -14.36           | -0.00553              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 3.39             | 0.0013                | PASS    |
|           |           |                      |              |            | VN         | 20.06            | 0.00767               | PASS    |
|           |           |                      |              |            | VH         | 24.98            | 0.00955               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -2.95            | -0.00114              | PASS    |
|           |           |                      |              |            | VN         | -7.84            | -0.00304              | PASS    |
|           |           |                      |              |            | VH         | -0.37            | -0.00014              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 5.76             | 0.00222               | PASS    |
|           |           |                      |              |            | VN         | -17.42           | -0.00671              | PASS    |
|           |           |                      |              |            | VH         | -3.81            | -0.00147              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -81.62           | -0.03124              | PASS    |
|           |           |                      |              |            | VN         | 37.08            | 0.01419               | PASS    |
|           |           |                      |              |            | VH         | 33.72            | 0.01291               | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -0.83            | -0.00032              | PASS    |
|           |           |                      |              |            | VN         | -3.96            | -0.00153              | PASS    |
|           |           |                      |              |            | VH         | -5.02            | -0.00195              | 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         | -3.65            | -0.00141              | PASS     |      |
|           |           |                      |              |            | VN         | 6.49             | 0.0025                | PASS     |      |
|           |           |                      |              |            | VH         | 1.69             | 0.00065               | PASS     |      |
|           |           |                      | HCH          | TN         | VL         | 41.1             | 0.01575               | PASS     |      |
|           |           |                      |              |            | VN         | 17.34            | 0.00664               | PASS     |      |
|           |           |                      |              |            | VH         | 39.73            | 0.01522               | PASS     |      |
|           |           | 5                    | LCH          | TN         | VL         | 0.54             | 0.00021               | PASS     |      |
|           |           |                      |              |            | VN         | 1.75             | 0.00068               | PASS     |      |
|           |           |                      |              |            | VH         | -0.41            | -0.00016              | PASS     |      |
|           |           |                      | MCH          | TN         | VL         | 3.55             | 0.00137               | PASS     |      |
|           |           |                      |              |            | VN         | 8.1              | 0.00312               | PASS     |      |
|           |           |                      |              |            | VH         | 4.08             | 0.00157               | PASS     |      |
|           |           |                      | HCH          | TN         | VL         | -2.8             | -0.00107              | PASS     |      |
|           |           |                      |              |            | VN         | -4.15            | -0.00159              | PASS     |      |
|           |           |                      |              |            | VH         | -11.19           | -0.00428              | PASS     |      |
|           |           |                      | 10           | LCH        | TN         | VL               | -2.06                 | -0.0008  | PASS |
|           |           |                      |              |            |            | VN               | -8.14                 | -0.00316 | PASS |
|           |           |                      |              |            |            | VH               | -1.67                 | -0.00065 | PASS |
|           | MCH       | TN                   |              | VL         | -6.15      | -0.00237         | PASS                  |          |      |
|           |           |                      |              | VN         | 5.71       | 0.0022           | PASS                  |          |      |
|           |           |                      |              | VH         | -2.56      | -0.00099         | PASS                  |          |      |
|           | HCH       | TN                   |              | VL         | 148.27     | 0.0567           | PASS                  |          |      |
|           |           |                      |              | VN         | 164.28     | 0.06282          | PASS                  |          |      |
|           |           |                      |              | VH         | 130.28     | 0.04982          | PASS                  |          |      |
|           | 15        | LCH                  | TN           | VL         | -2.49      | -0.00097         | PASS                  |          |      |
|           |           |                      |              | VN         | 3.18       | 0.00123          | PASS                  |          |      |
|           |           |                      |              | VH         | -4.29      | -0.00166         | PASS                  |          |      |
|           |           | MCH                  | TN           | VL         | -0.27      | -0.0001          | PASS                  |          |      |
|           |           |                      |              | VN         | 0.1        | 0.00004          | PASS                  |          |      |
|           |           |                      |              | VH         | -3.89      | -0.0015          | PASS                  |          |      |
|           |           | HCH                  | TN           | VL         | 37.51      | 0.01436          | PASS                  |          |      |
|           |           |                      |              | VN         | 46.05      | 0.01763          | PASS                  |          |      |
|           |           |                      |              | VH         | 8.6        | 0.00329          | PASS                  |          |      |
|           | 20        | LCH                  | TN           | VL         | -6.52      | -0.00253         | PASS                  |          |      |
|           |           |                      |              | VN         | -1.19      | -0.00046         | PASS                  |          |      |
|           |           |                      |              | VH         | -3.53      | -0.00137         | PASS                  |          |      |
|           |           | MCH                  | TN           | VL         | -2.15      | -0.00083         | PASS                  |          |      |
|           |           |                      |              | VN         | -2.72      | -0.00105         | PASS                  |          |      |
|           |           |                      |              | VH         | -1.47      | -0.00057         | 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         | 48.18            | 0.01846               | PASS    |
|           |           |                      |              |            | VN         | -20.81           | -0.00797              | PASS    |
|           |           |                      |              |            | VH         | 15.25            | 0.00584               | PASS    |

## 7.1.2 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 |
|------------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| BAND3<br>8 | LTE/TM1   | 5                    | LCH          | VN         | -30       | -10.39           | -0.00404              | PASS    |
|            |           |                      |              |            | -20       | -4.32            | -0.00168              | PASS    |
|            |           |                      |              |            | -10       | 4.41             | 0.00171               | PASS    |
|            |           |                      |              |            | 0         | -3.28            | -0.00126              | PASS    |
|            |           |                      |              |            | 10        | -9.9             | -0.00382              | PASS    |
|            |           |                      |              |            | 20        | -6.27            | -0.00242              | PASS    |
|            |           |                      |              |            | 30        | -1.07            | -0.00041              | PASS    |
|            |           |                      |              |            | 40        | -2.7             | -0.00103              | PASS    |
|            |           |                      | MCH          | VN         | -30       | -17.81           | -0.00692              | PASS    |
|            |           |                      |              |            | -20       | -6.41            | -0.00249              | PASS    |
|            |           |                      |              |            | -10       | 7.58             | 0.00294               | PASS    |
|            |           |                      |              |            | 0         | 20.93            | 0.00807               | PASS    |
|            |           |                      |              |            | 10        | 31.04            | 0.01196               | PASS    |
|            |           |                      |              |            | 20        | 11               | 0.00424               | PASS    |
|            |           |                      |              |            | 30        | -1.92            | -0.00073              | PASS    |
|            |           |                      | HCH          | VN         | -30       | -6.61            | -0.00256              | PASS    |
|            |           |                      |              |            | -20       | 5.48             | 0.00213               | PASS    |
|            |           |                      |              |            | -10       | -10.87           | -0.00422              | PASS    |
|            |           |                      |              |            | 0         | 11.22            | 0.00432               | PASS    |
|            |           |                      |              |            | 10        | 10.06            | 0.00388               | PASS    |
|            |           |                      |              |            | 20        | 0.46             | 0.00018               | PASS    |
|            |           |                      |              |            | 30        | -1.72            | -0.00066              | PASS    |
|            |           |                      | 40           | -1.73      | -0.00066  | PASS             |                       |         |
|            |           |                      | 50           | -1.06      | -0.00041  | PASS             |                       |         |
|            |           |                      |              | 10         | LCH       | VN               | -30                   | 111.05  |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |       |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|-------|
|           |           | 15                   |              |            | -20       | 100.15           | 0.03882               | PASS     |       |
|           |           |                      |              |            | -10       | 77.92            | 0.0302                | PASS     |       |
|           |           |                      |              |            | 0         | 10.57            | 0.00407               | PASS     |       |
|           |           |                      |              |            | 10        | -2.5             | -0.00096              | PASS     |       |
|           |           |                      |              |            | 20        | -20.06           | -0.00773              | PASS     |       |
|           |           |                      |              |            | 30        | -2.98            | -0.00114              | PASS     |       |
|           |           |                      |              |            | 40        | -2.6             | -0.001                | PASS     |       |
|           |           |                      |              |            | 50        | -1.5             | -0.00057              | PASS     |       |
|           |           |                      | MCH          | VN         | -30       | 4.85             | 0.00189               | PASS     |       |
|           |           |                      |              |            | -20       | -7.82            | -0.00304              | PASS     |       |
|           |           |                      |              |            | -10       | -1.57            | -0.00061              | PASS     |       |
|           |           |                      |              |            | 0         | 3.66             | 0.00141               | PASS     |       |
|           |           |                      |              |            | 10        | -11.29           | -0.00435              | PASS     |       |
|           |           |                      |              |            | 20        | 15.98            | 0.00616               | PASS     |       |
|           |           |                      |              |            | 30        | -2.47            | -0.00094              | PASS     |       |
|           |           |                      |              |            | 40        | -2.19            | -0.00084              | PASS     |       |
|           |           |                      | HCH          | VN         | -30       | -4.73            | -0.00184              | PASS     |       |
|           |           |                      |              |            | -20       | -6.98            | -0.00271              | PASS     |       |
|           |           |                      |              |            | -10       | 1.06             | 0.00041               | PASS     |       |
|           |           |                      |              |            | 0         | -18.31           | -0.00706              | PASS     |       |
|           |           |                      |              |            | 10        | -10.94           | -0.00422              | PASS     |       |
|           |           |                      |              |            | 20        | -9.7             | -0.00374              | PASS     |       |
|           |           |                      |              |            | 30        | -5.02            | -0.00192              | PASS     |       |
|           |           |                      |              |            | 40        | -1.8             | -0.00069              | PASS     |       |
|           |           | 15                   |              | LCH        | VN        | -30              | -9.54                 | -0.0037  | PASS  |
|           |           |                      |              |            |           | -20              | -3.6                  | -0.0014  | PASS  |
|           |           |                      |              |            |           | -10              | 6.62                  | 0.00257  | PASS  |
|           |           |                      |              |            |           | 0                | -10.03                | -0.00387 | PASS  |
|           |           |                      |              |            |           | 10               | 2.42                  | 0.00093  | PASS  |
|           |           |                      |              |            |           | 20               | -1.82                 | -0.0007  | PASS  |
|           |           |                      |              |            |           | 30               | -4.21                 | -0.00161 | PASS  |
|           |           |                      |              |            |           | 40               | -2.82                 | -0.00108 | PASS  |
|           |           |                      |              |            |           | 50               | -2.66                 | -0.00102 | PASS  |
|           |           |                      |              |            |           | MCH              | VN                    | -30      | 14.19 |
|           |           |                      |              | -20        | -3.89     |                  |                       | -0.00151 | PASS  |
|           |           |                      |              | -10        | 36.13     |                  |                       | 0.014    | PASS  |
| 0         | -8.67     | -0.00334             | PASS         |            |           |                  |                       |          |       |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | -6.15            | -0.00237              | PASS    |
|           |           |                      |              |            | 20        | -11.04           | -0.00425              | PASS    |
|           |           |                      |              |            | 30        | 0.69             | 0.00026               | PASS    |
|           |           |                      |              |            | 40        | -3.18            | -0.00122              | PASS    |
|           |           |                      |              |            | 50        | 0.47             | 0.00018               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -17.08           | -0.00664              | PASS    |
|           |           |                      |              |            | -20       | -11.77           | -0.00458              | PASS    |
|           |           |                      |              |            | -10       | -3.53            | -0.00137              | PASS    |
|           |           |                      |              |            | 0         | -5.55            | -0.00216              | PASS    |
|           |           |                      |              |            | 10        | -10.21           | -0.00397              | PASS    |
|           |           |                      |              |            | 20        | -4.42            | -0.00172              | PASS    |
|           |           |                      |              |            | 30        | -2.92            | -0.00114              | PASS    |
|           |           |                      |              |            | 40        | -7.68            | -0.00299              | PASS    |
|           |           |                      | LCH          | VN         | 50        | -7.6             | -0.00295              | PASS    |
|           |           |                      |              |            | -30       | -1.52            | -0.00059              | PASS    |
|           |           |                      |              |            | -20       | -2.46            | -0.00095              | PASS    |
|           |           |                      |              |            | -10       | -1.99            | -0.00077              | PASS    |
|           |           |                      |              |            | 0         | -4.56            | -0.00176              | PASS    |
|           |           | 10                   |              |            | -4.28     | -0.00165         | PASS                  |         |
|           |           | 20                   |              |            | 32.37     | 0.01247          | PASS                  |         |
|           |           | 30                   |              |            | -3.68     | -0.00142         | PASS                  |         |
|           |           | 40                   |              |            | -12.53    | -0.00483         | PASS                  |         |
|           |           | MCH                  | VN           | 50         | -30.46    | -0.01174         | PASS                  |         |
|           |           |                      |              | -30        | -0.79     | -0.0003          | PASS                  |         |
|           |           |                      |              | -20        | -2.46     | -0.00094         | PASS                  |         |
|           |           |                      |              | -10        | -2.05     | -0.00078         | PASS                  |         |
|           |           |                      |              | 0          | -2.05     | -0.00078         | PASS                  |         |
|           |           |                      |              | 10         | -2.27     | -0.00087         | PASS                  |         |
|           |           |                      |              | 20         | -2.68     | -0.00102         | PASS                  |         |
|           |           |                      |              | 30         | -2.99     | -0.00114         | PASS                  |         |
|           |           | HCH                  | VN           | 40         | -2.57     | -0.00098         | PASS                  |         |
|           |           |                      |              | 50         | -2.76     | -0.00105         | PASS                  |         |
|           |           |                      |              | -30        | -2.33     | -0.0009          | PASS                  |         |
|           |           |                      |              | -20        | -5.45     | -0.00212         | PASS                  |         |
|           |           |                      |              | -10        | -9.8      | -0.00381         | PASS                  |         |
|           |           |                      |              | 0          | -14.79    | -0.00574         | PASS                  |         |
| 10        | -1.13     |                      |              | -0.00044   | PASS      |                  |                       |         |
| 20        | -10.51    | -0.00408             | PASS         |            |           |                  |                       |         |
| 30        | -4.98     | -0.00193             | PASS         |            |           |                  |                       |         |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           | LTE/TM2   | 5                    | LCH          | VN         | 40        | -2.93            | -0.00114              | PASS    |
|           |           |                      |              |            | 50        | -8.15            | -0.00317              | PASS    |
|           |           |                      |              |            | -30       | 5.95             | 0.00229               | PASS    |
|           |           |                      |              |            | -20       | 1.16             | 0.00045               | PASS    |
|           |           |                      |              |            | -10       | 1.72             | 0.00066               | PASS    |
|           |           |                      |              |            | 0         | -6.77            | -0.00261              | PASS    |
|           |           |                      |              |            | 10        | -1.04            | -0.0004               | PASS    |
|           |           |                      |              |            | 20        | 5.52             | 0.00213               | PASS    |
|           |           |                      |              |            | 30        | -12.77           | -0.00492              | PASS    |
|           |           |                      |              |            | 40        | -4.25            | -0.00164              | PASS    |
|           |           |                      | 50           | 3.95       | 0.00152   | PASS             |                       |         |
|           |           |                      | MCH          | VN         | -30       | -1.23            | -0.00047              | PASS    |
|           |           |                      |              |            | -20       | -1.83            | -0.0007               | PASS    |
|           |           |                      |              |            | -10       | -2.07            | -0.00079              | PASS    |
|           |           |                      |              |            | 0         | -2.23            | -0.00085              | PASS    |
|           |           |                      |              |            | 10        | -1.99            | -0.00076              | PASS    |
|           |           |                      |              |            | 20        | -1.06            | -0.00041              | PASS    |
|           |           |                      |              |            | 30        | -2.43            | -0.00093              | PASS    |
|           |           | 40                   |              |            | -0.86     | -0.00033         | PASS                  |         |
|           |           | HCH                  | VN           | 50         | -1.66     | -0.00063         | PASS                  |         |
|           |           |                      |              | -30        | -5.06     | -0.00196         | PASS                  |         |
|           |           |                      |              | -20        | -0.99     | -0.00038         | PASS                  |         |
|           |           |                      |              | -10        | -11.27    | -0.00437         | PASS                  |         |
|           |           |                      |              | 0          | -2.56     | -0.00099         | PASS                  |         |
|           |           |                      |              | 10         | -4.22     | -0.00164         | PASS                  |         |
|           |           |                      |              | 20         | -3.79     | -0.00147         | PASS                  |         |
|           |           |                      |              | 30         | -0.47     | -0.00018         | PASS                  |         |
|           |           | 10                   | LCH          | VN         | 40        | -11.32           | -0.00439              | PASS    |
|           |           |                      |              |            | 50        | -2.75            | -0.00107              | PASS    |
|           |           |                      |              |            | -30       | -1.57            | -0.00061              | PASS    |
|           |           |                      |              |            | -20       | -5.41            | -0.00208              | PASS    |
|           |           |                      |              |            | -10       | 6.54             | 0.00252               | PASS    |
| 0         | 4.96      |                      |              |            | 0.00191   | PASS             |                       |         |
| 10        | 5.61      |                      |              |            | 0.00216   | PASS             |                       |         |
| 20        | -3.13     |                      |              |            | -0.00121  | PASS             |                       |         |
| 30        | 3.12      |                      |              |            | 0.0012    | PASS             |                       |         |
| 40        | 0.99      |                      | 0.00038      | PASS       |           |                  |                       |         |
| MCH       | VN        |                      | 50           | -1.44      | -0.00055  | PASS             |                       |         |
|           |           |                      | -30          | -2.15      | -0.00082  | PASS             |                       |         |





| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |        |          |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|--------|----------|------|
|           |           |                      |              |            | 10        | -10.71           | -0.00416              | PASS    |        |          |      |
|           |           |                      |              |            | 20        | 0.66             | 0.00026               | PASS    |        |          |      |
|           |           |                      |              |            | 30        | -9.06            | -0.00352              | PASS    |        |          |      |
|           |           |                      |              |            | 40        | 1.79             | 0.0007                | PASS    |        |          |      |
|           |           |                      |              |            | 50        | -4.61            | -0.00179              | PASS    |        |          |      |
|           |           |                      |              |            | 20        | LCH              | VN                    | -30     | -4.21  | -0.00162 | PASS |
|           |           |                      |              |            |           |                  |                       | -20     | 1.14   | 0.00044  | PASS |
|           |           |                      |              |            |           |                  |                       | -10     | -5.75  | -0.00222 | PASS |
|           |           |                      |              |            |           |                  |                       | 0       | -1.66  | -0.00064 | PASS |
|           |           |                      |              |            |           |                  |                       | 10      | -14.83 | -0.00571 | PASS |
|           |           | 20                   | -13.18       | -0.00508   |           |                  |                       | PASS    |        |          |      |
|           |           | 30                   | 4.16         | 0.0016     |           |                  |                       | PASS    |        |          |      |
|           |           | 40                   | -16.32       | -0.00629   |           |                  |                       | PASS    |        |          |      |
|           |           | 50                   | 9.48         | 0.00365    |           |                  |                       | PASS    |        |          |      |
|           |           | 20                   | MCH          | VN         |           |                  |                       | -30     | -3.25  | -0.00124 | PASS |
|           |           |                      |              |            |           |                  |                       | -20     | -1.86  | -0.00071 | PASS |
|           |           |                      |              |            |           |                  |                       | -10     | -3.48  | -0.00133 | PASS |
|           |           |                      |              |            | 0         | -2.57            | -0.00098              | PASS    |        |          |      |
|           |           |                      |              |            | 10        | -0.93            | -0.00036              | PASS    |        |          |      |
|           |           |                      |              |            | 20        | -2.39            | -0.00091              | PASS    |        |          |      |
|           |           |                      |              |            | 30        | -2.78            | -0.00106              | PASS    |        |          |      |
|           |           |                      |              |            | 40        | -1.9             | -0.00073              | PASS    |        |          |      |
|           |           | 20                   | HCH          | VN         | 50        | -3.48            | -0.00133              | PASS    |        |          |      |
|           |           |                      |              |            | -30       | 7.81             | 0.00303               | PASS    |        |          |      |
|           |           |                      |              |            | -20       | -1.99            | -0.00077              | PASS    |        |          |      |
|           |           |                      |              |            | -10       | 3.83             | 0.00149               | PASS    |        |          |      |
|           |           |                      |              |            | 0         | 2.12             | 0.00082               | PASS    |        |          |      |
|           |           |                      |              |            | 10        | 0.04             | 0.00002               | PASS    |        |          |      |
|           |           |                      |              |            | 20        | 7.04             | 0.00273               | PASS    |        |          |      |
|           |           |                      |              |            | 30        | -5.82            | -0.00226              | PASS    |        |          |      |
|           |           |                      |              |            | 40        | 4.05             | 0.00157               | PASS    |        |          |      |
|           |           | 50                   | 7.91         | 0.00307    | PASS      |                  |                       |         |        |          |      |

END