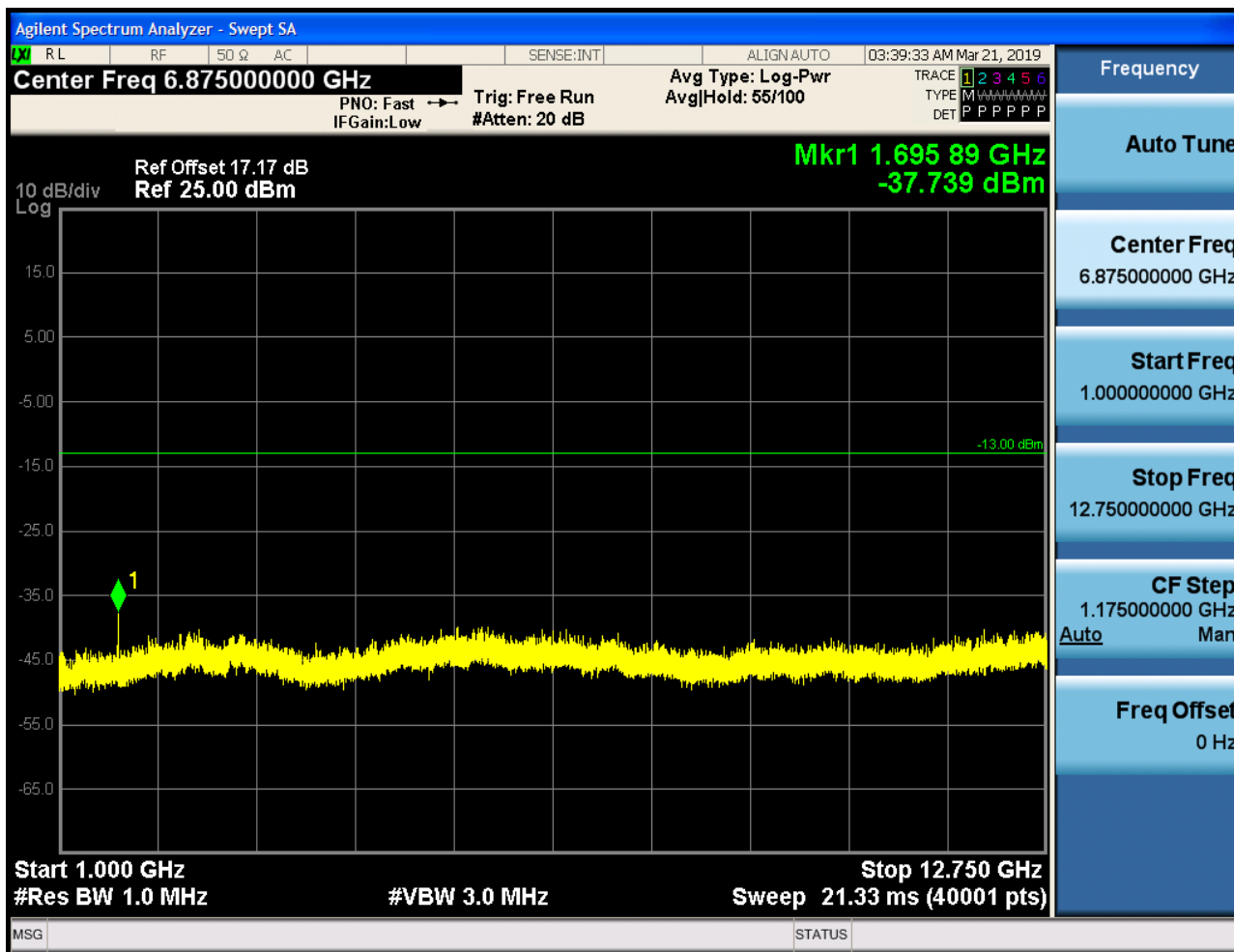
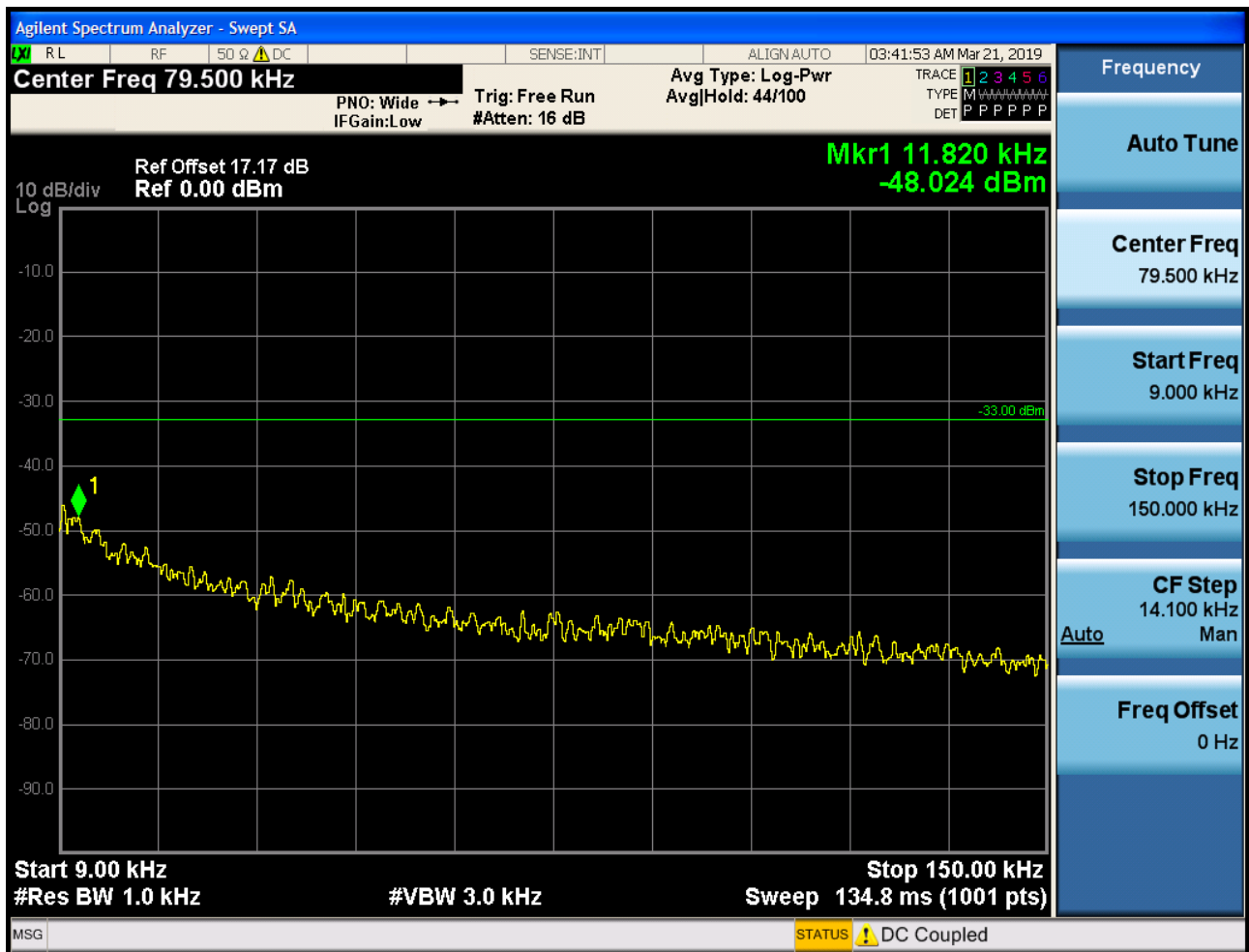


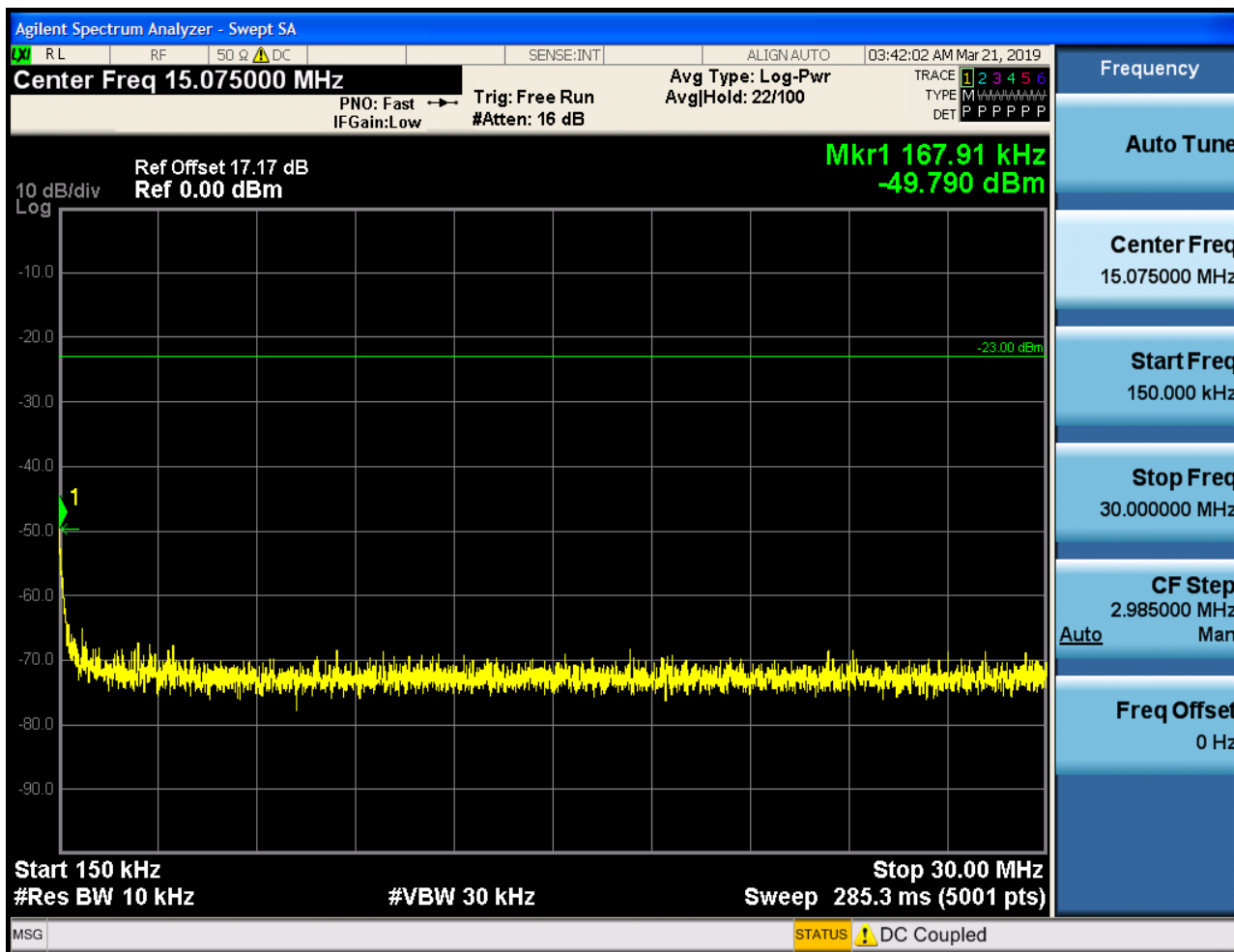


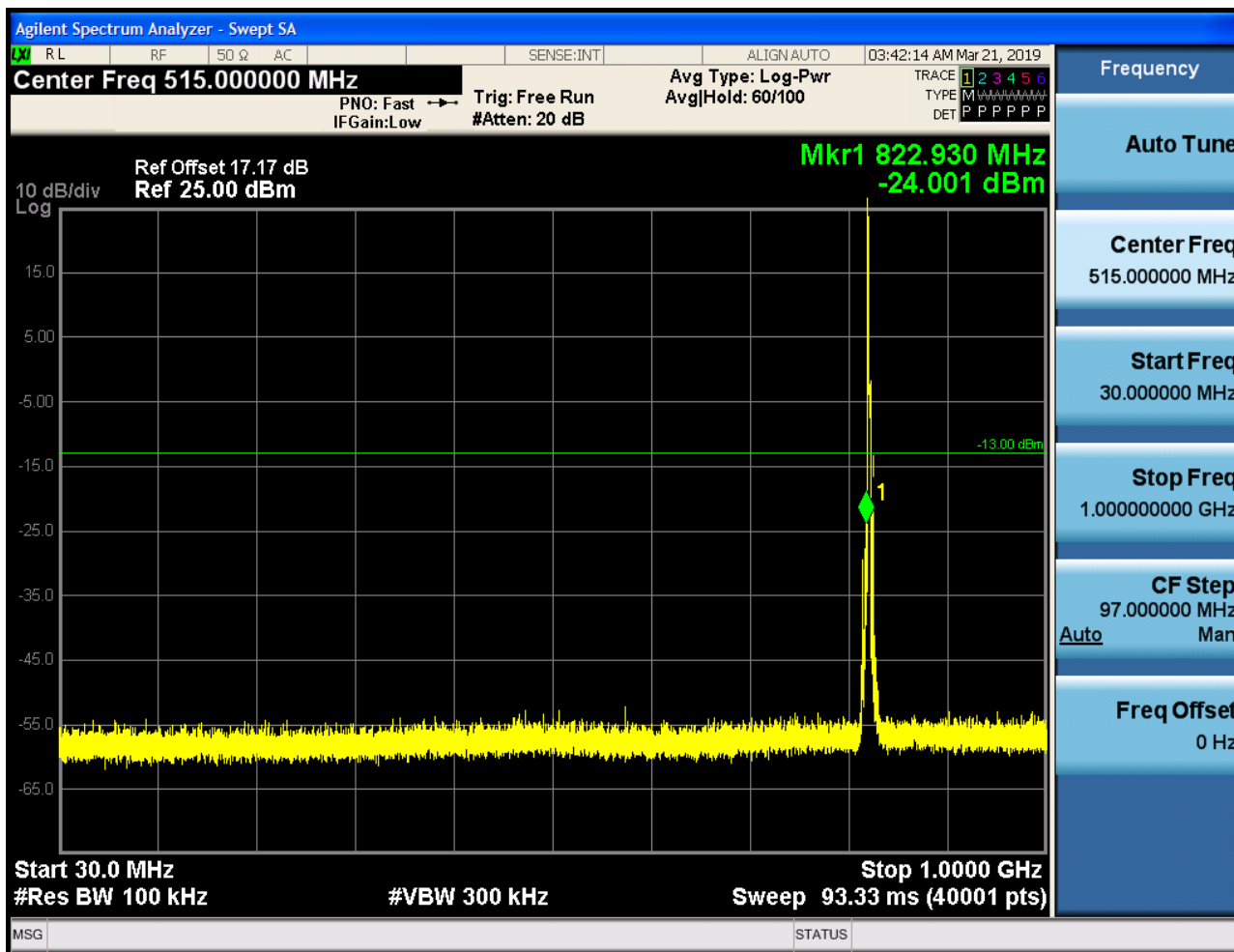
### 6.2.1.1.2 Test Bandwidth = 3

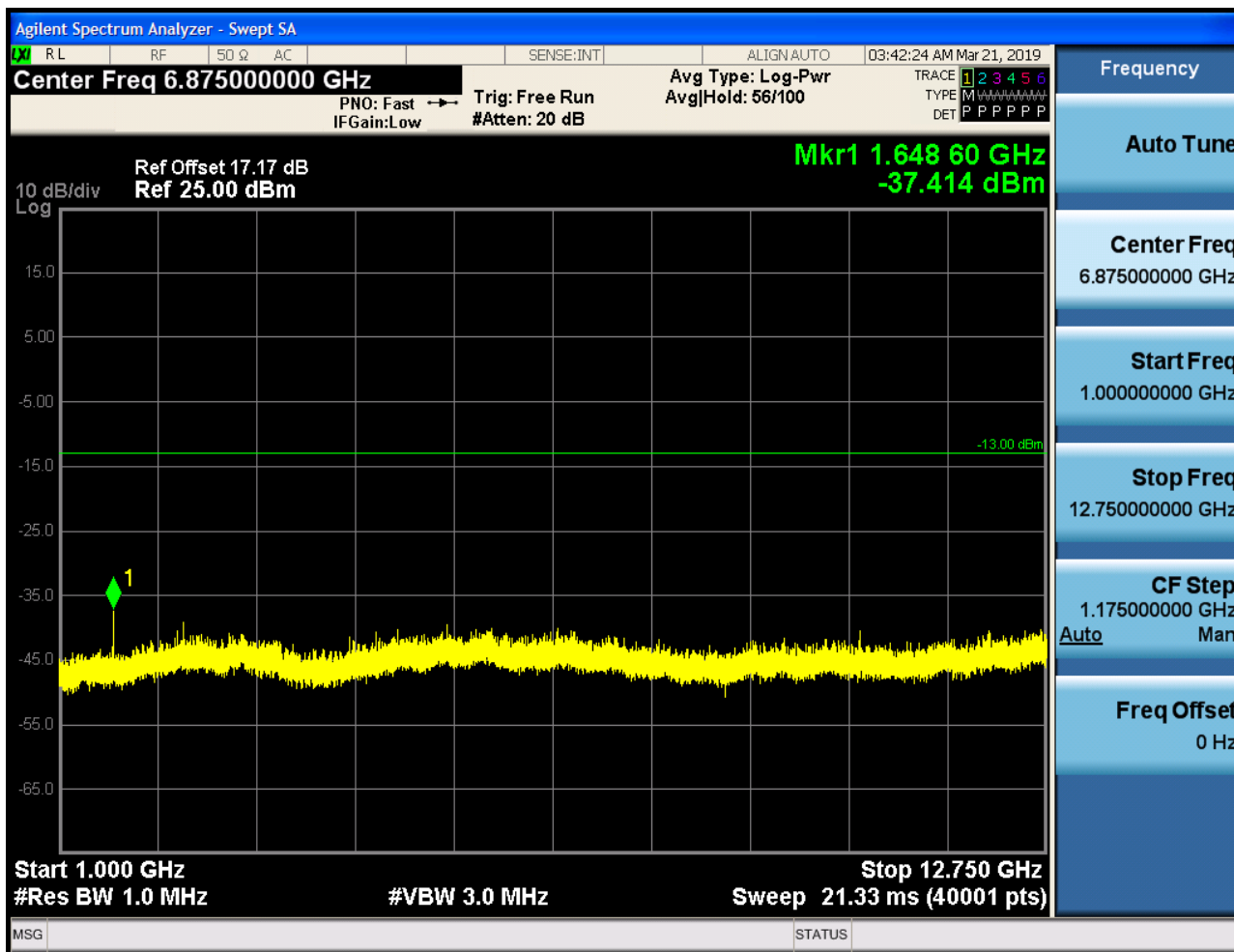
#### 6.2.1.1.2.1 Test Channel = LCH

##### 6.2.1.1.2.1.1 Test RB = RB1#0





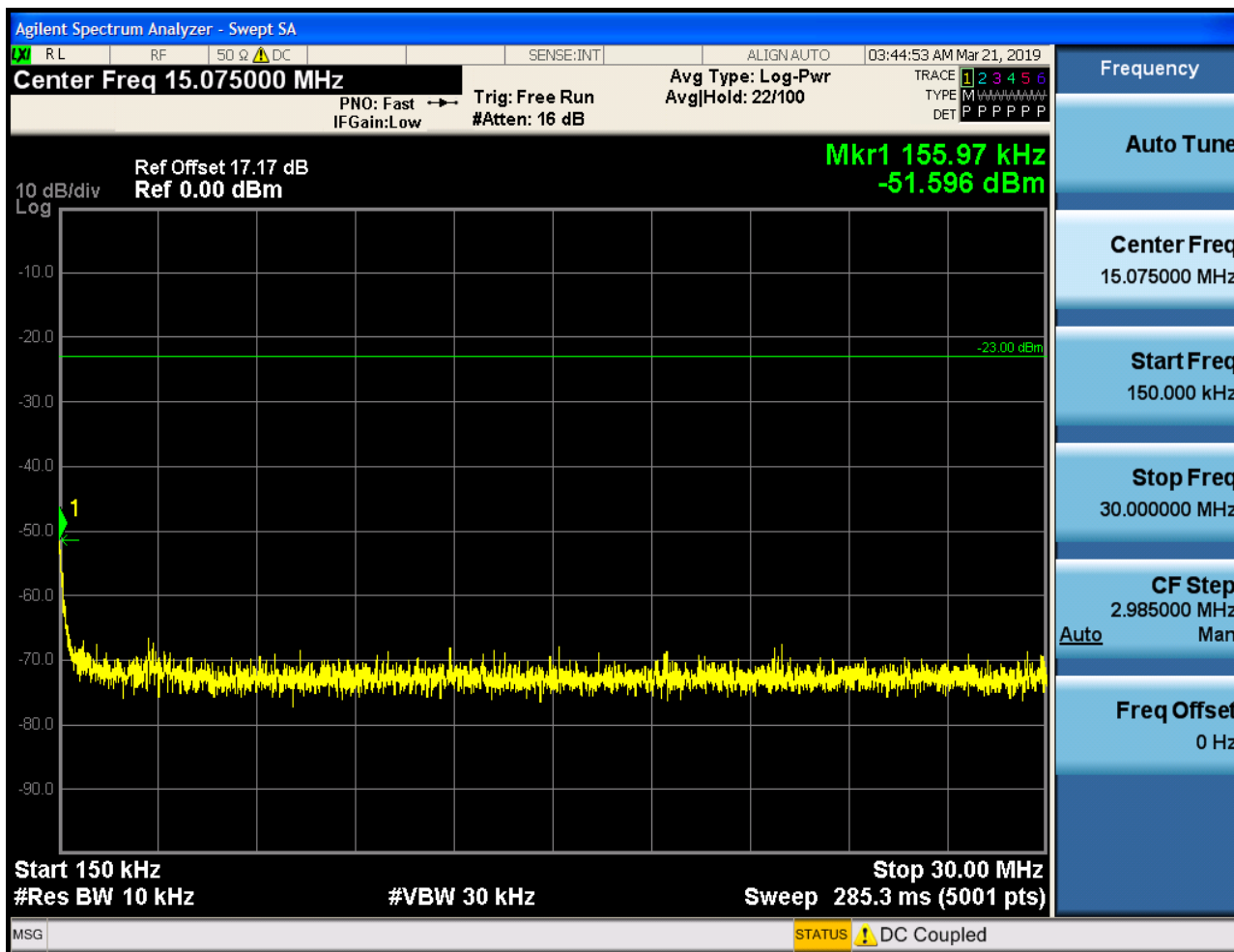


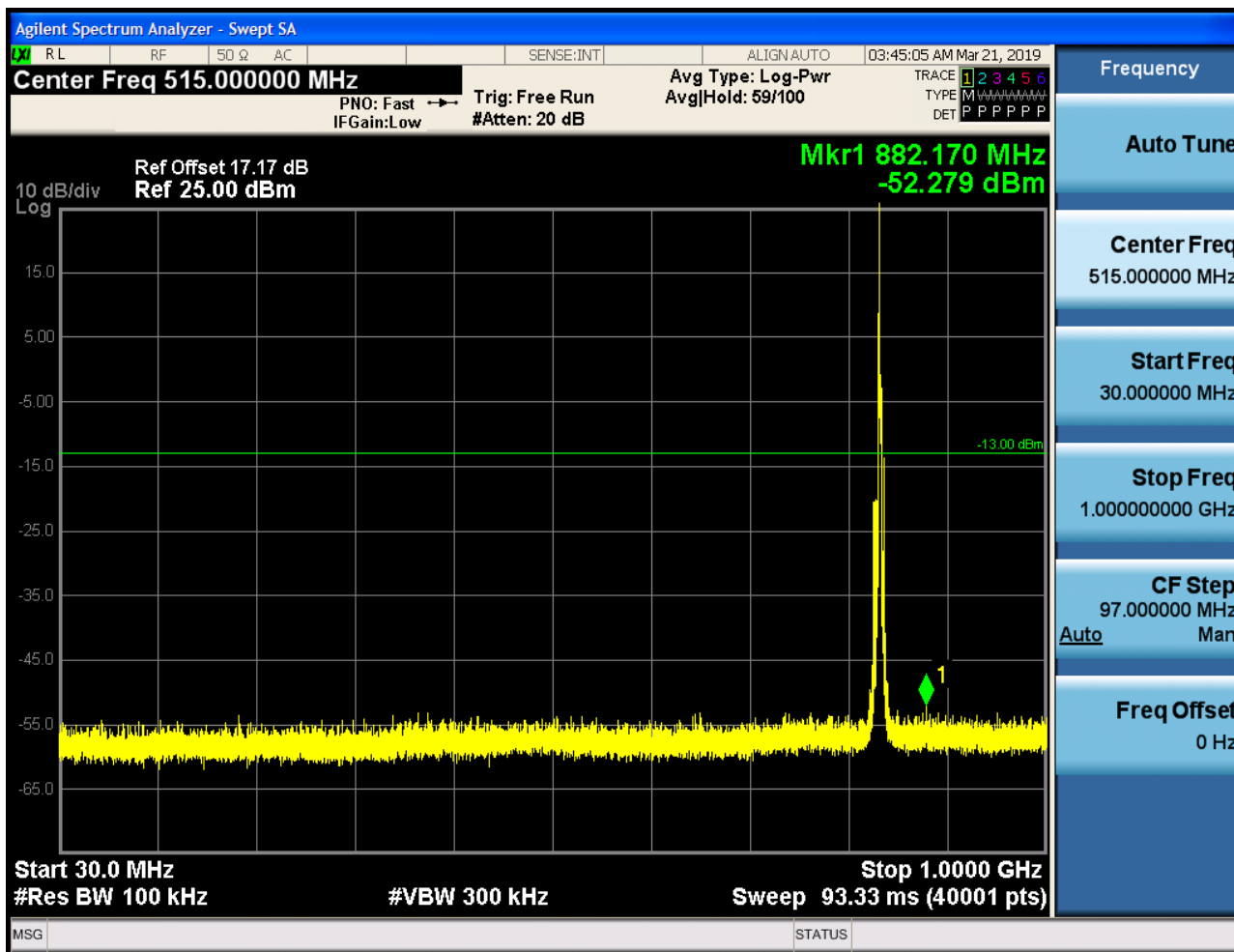


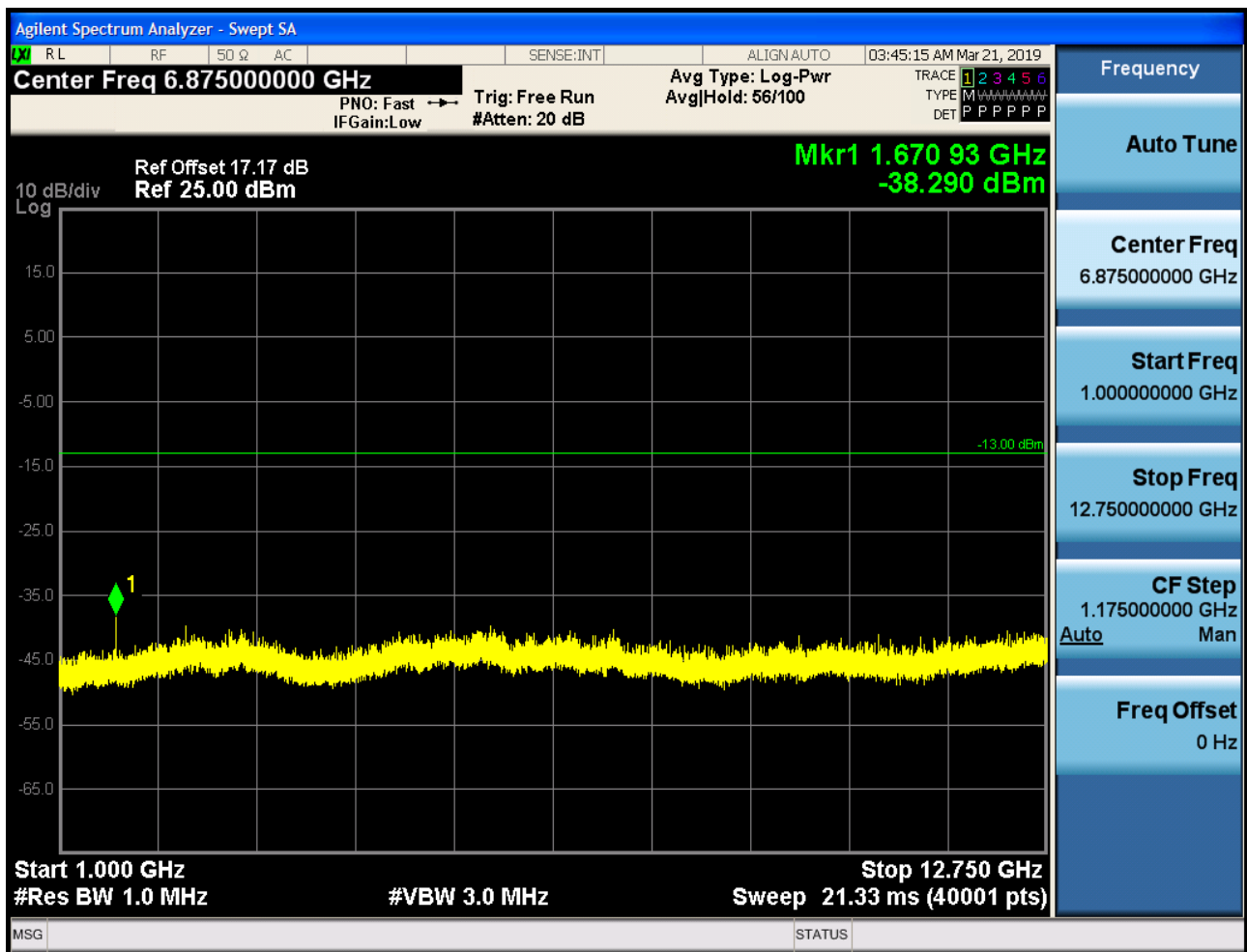
### 6.2.1.1.2.2 Test Channel = MCH

#### 6.2.1.1.2.2.1 Test RB = RB1#0



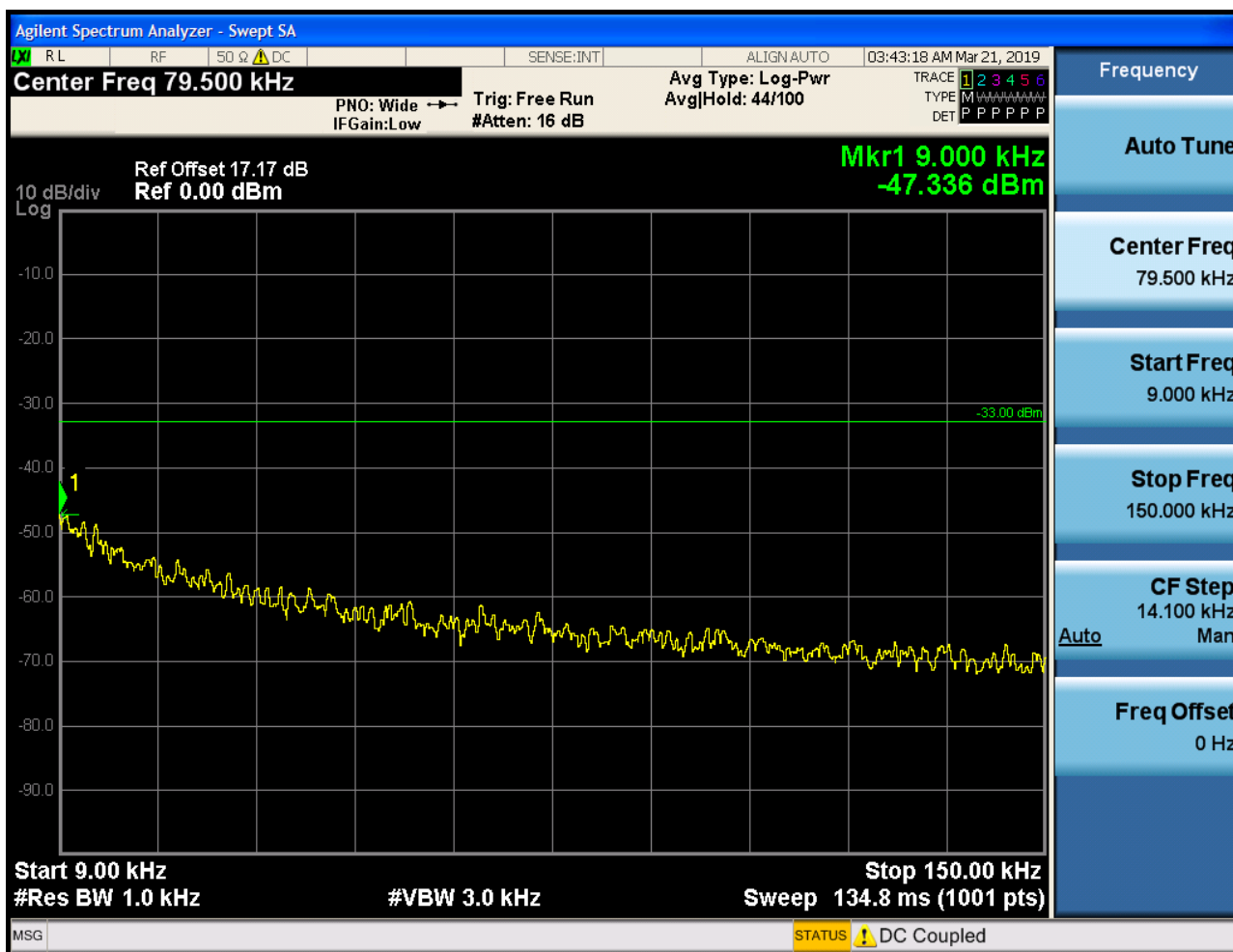


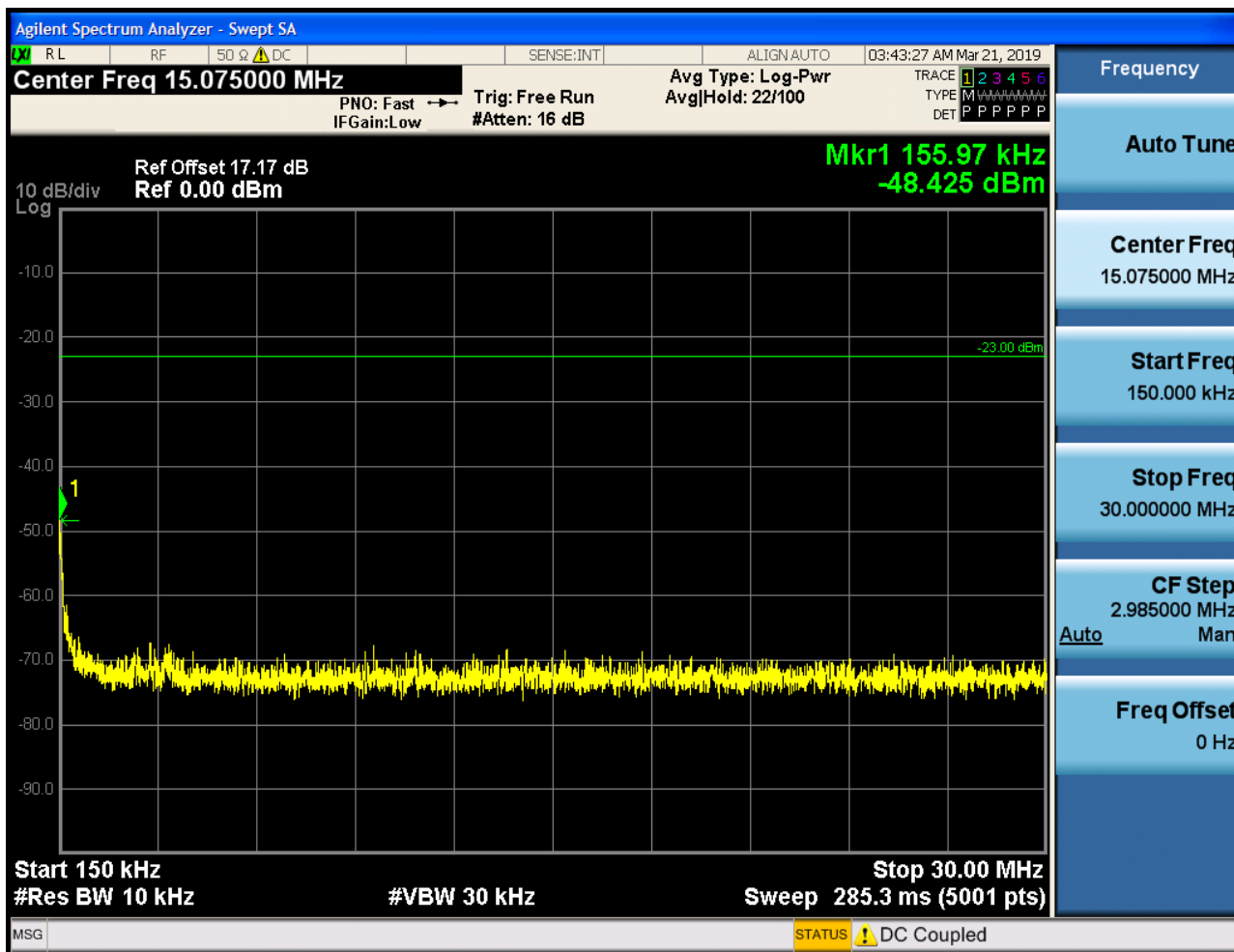


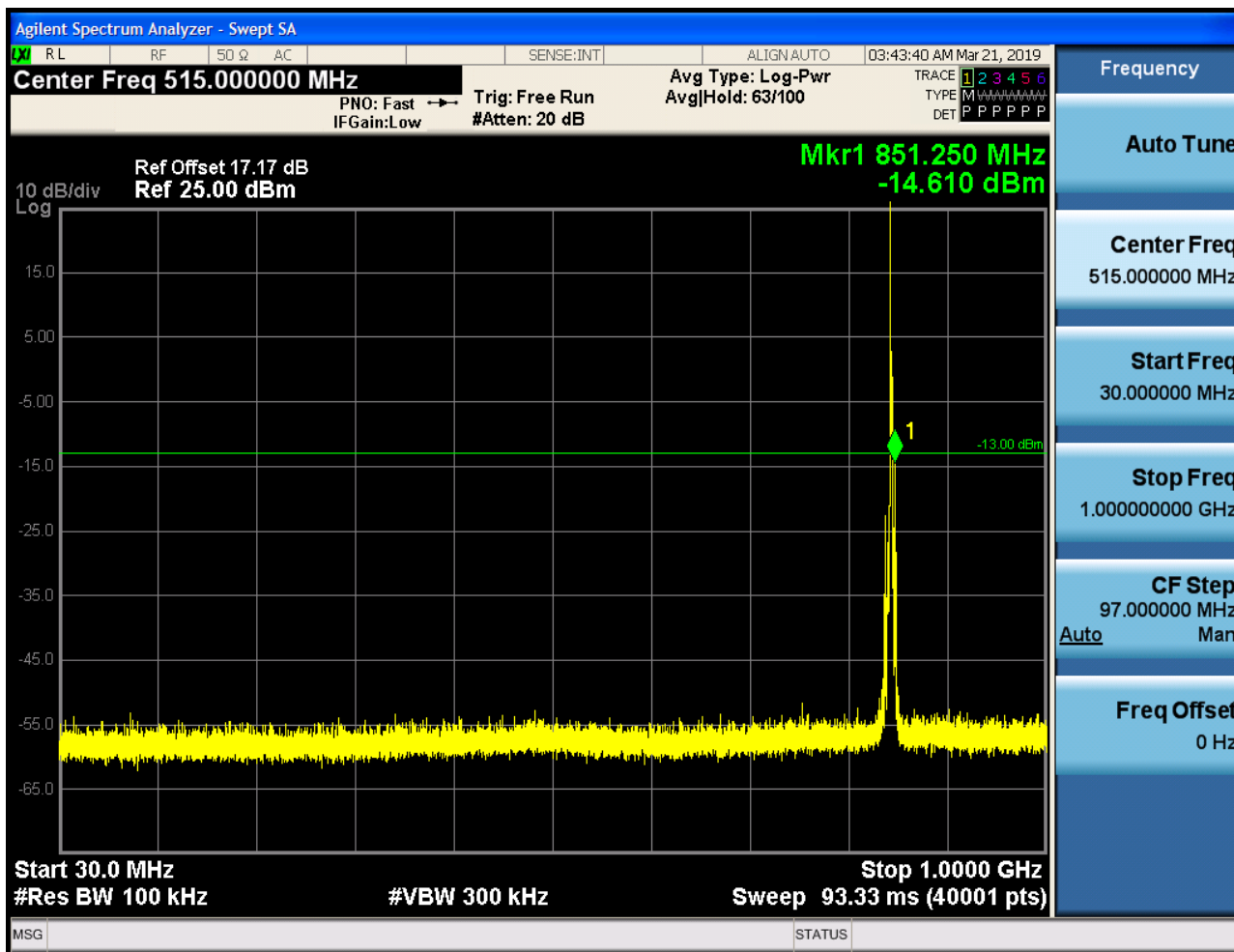


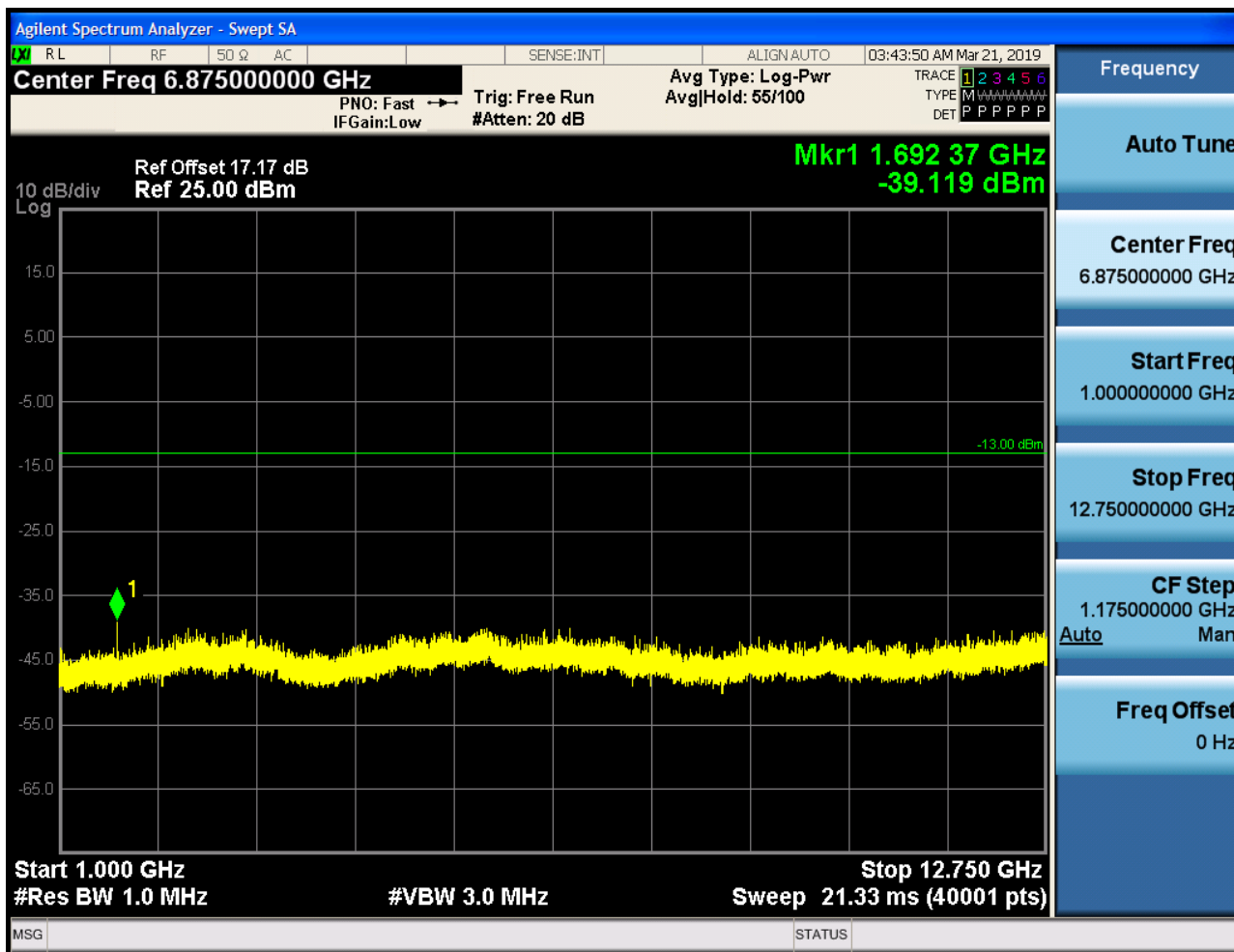
### 6.2.1.1.2.3 Test Channel = HCH

#### 6.2.1.1.2.3.1 Test RB = RB1#0





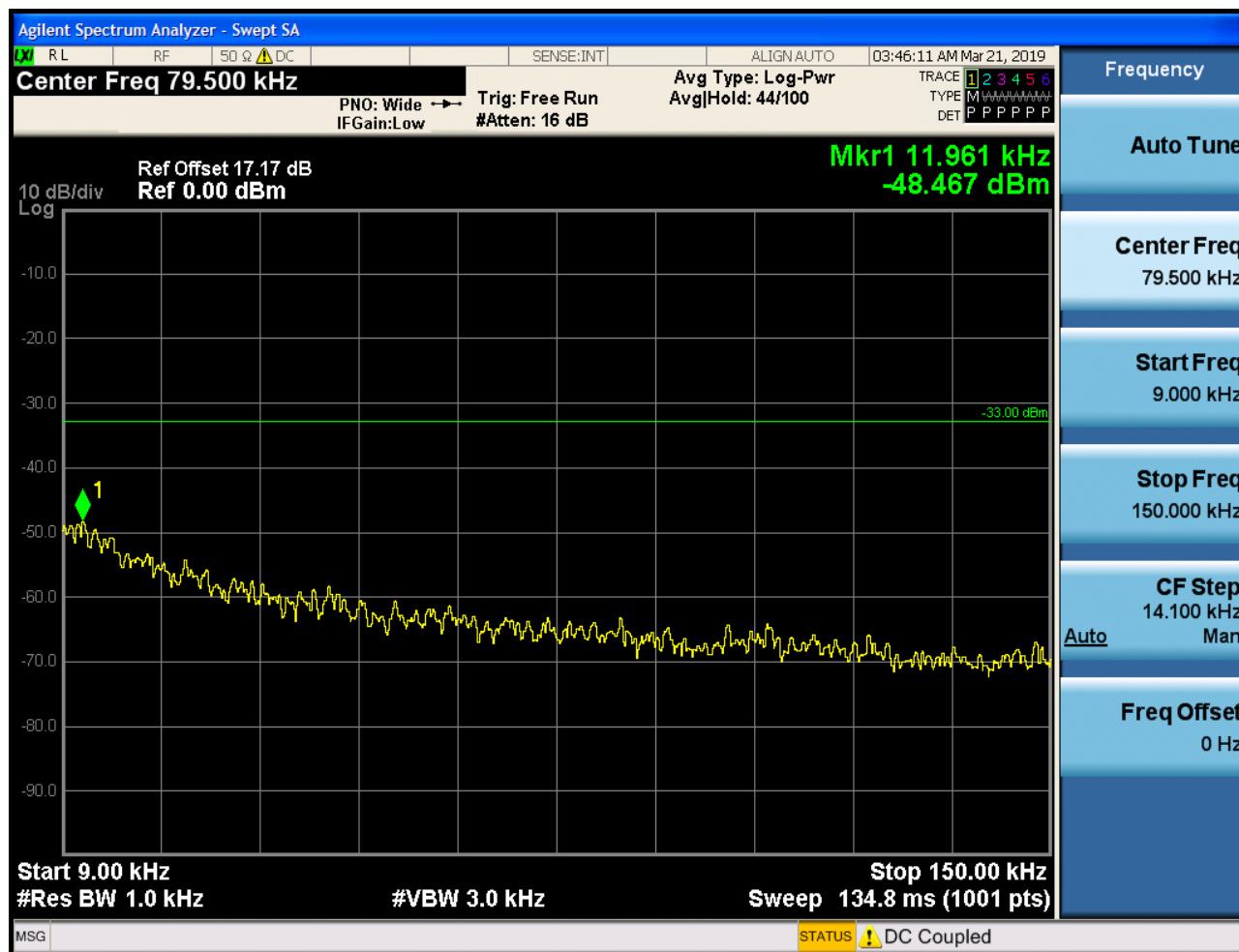


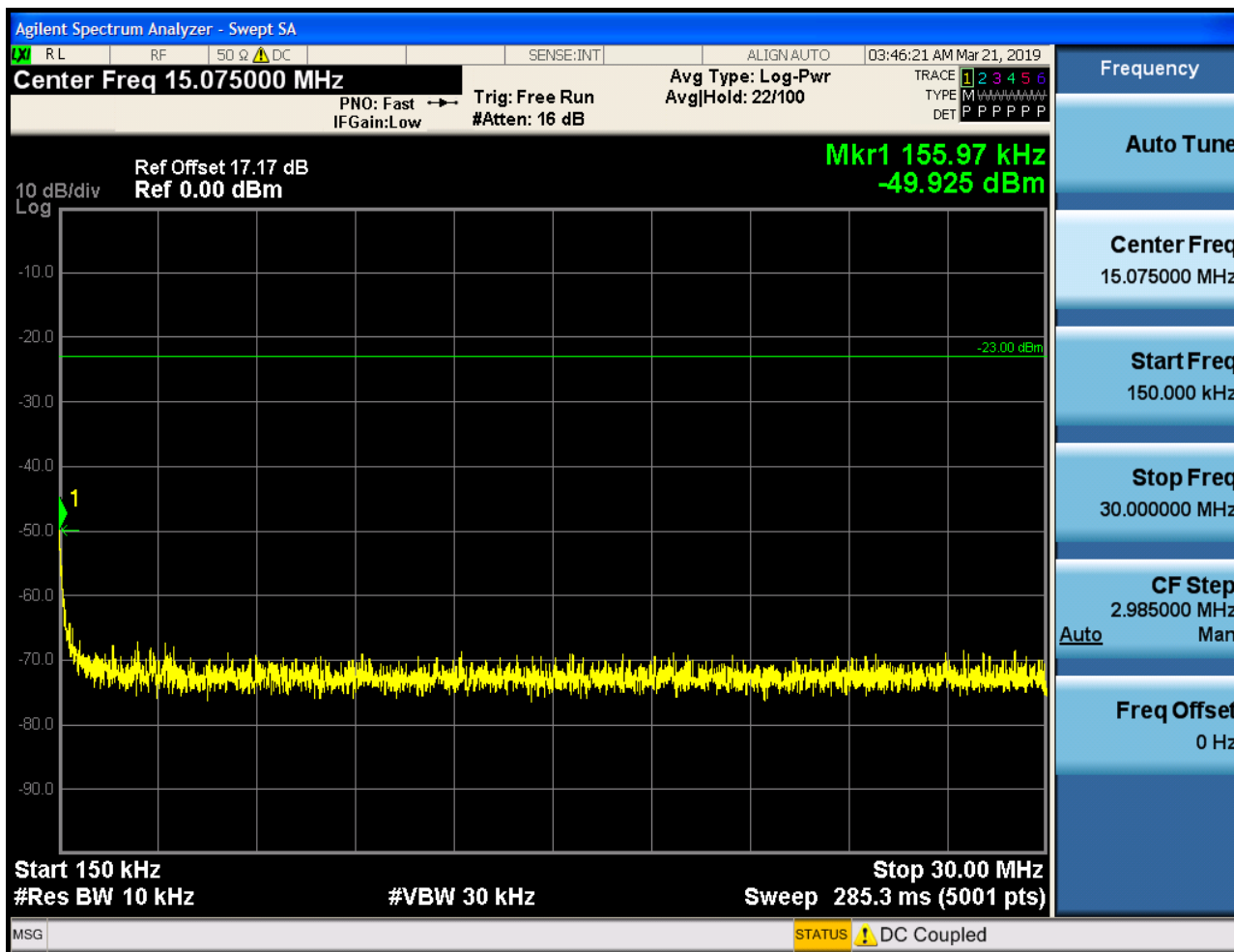


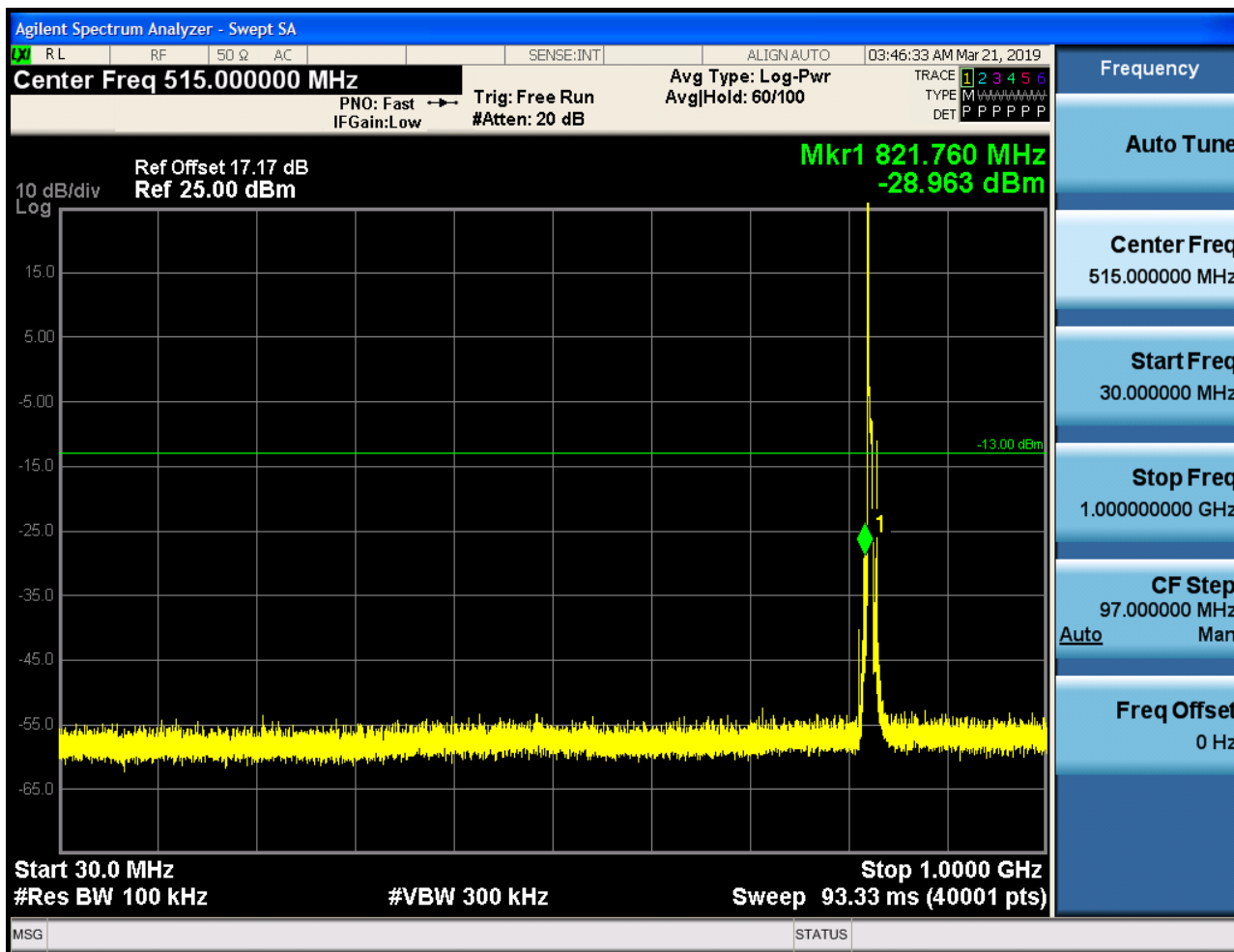
### 6.2.1.1.3 Test Bandwidth = 5

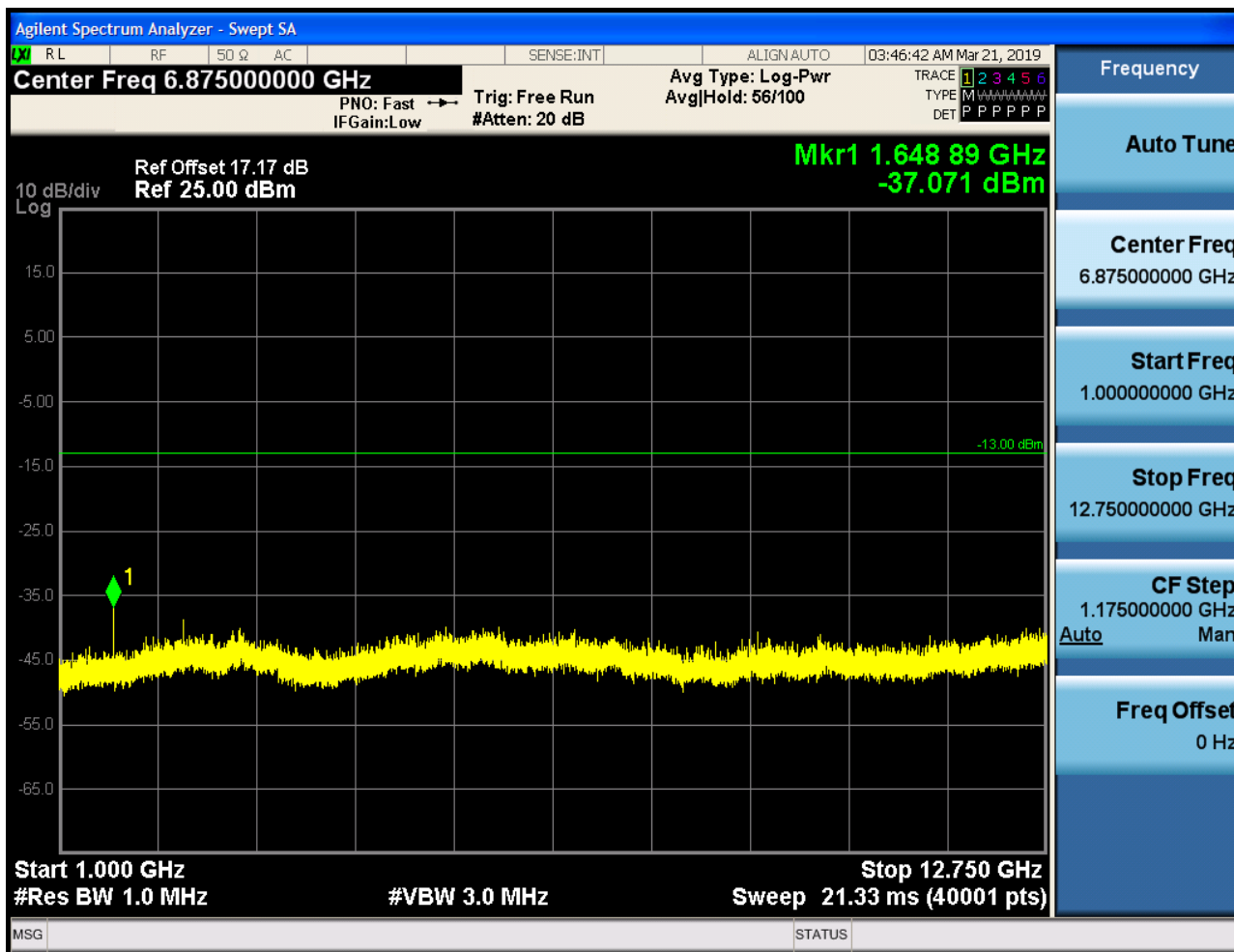
#### 6.2.1.1.3.1 Test Channel = LCH

##### 6.2.1.1.3.1.1 Test RB = RB1#0



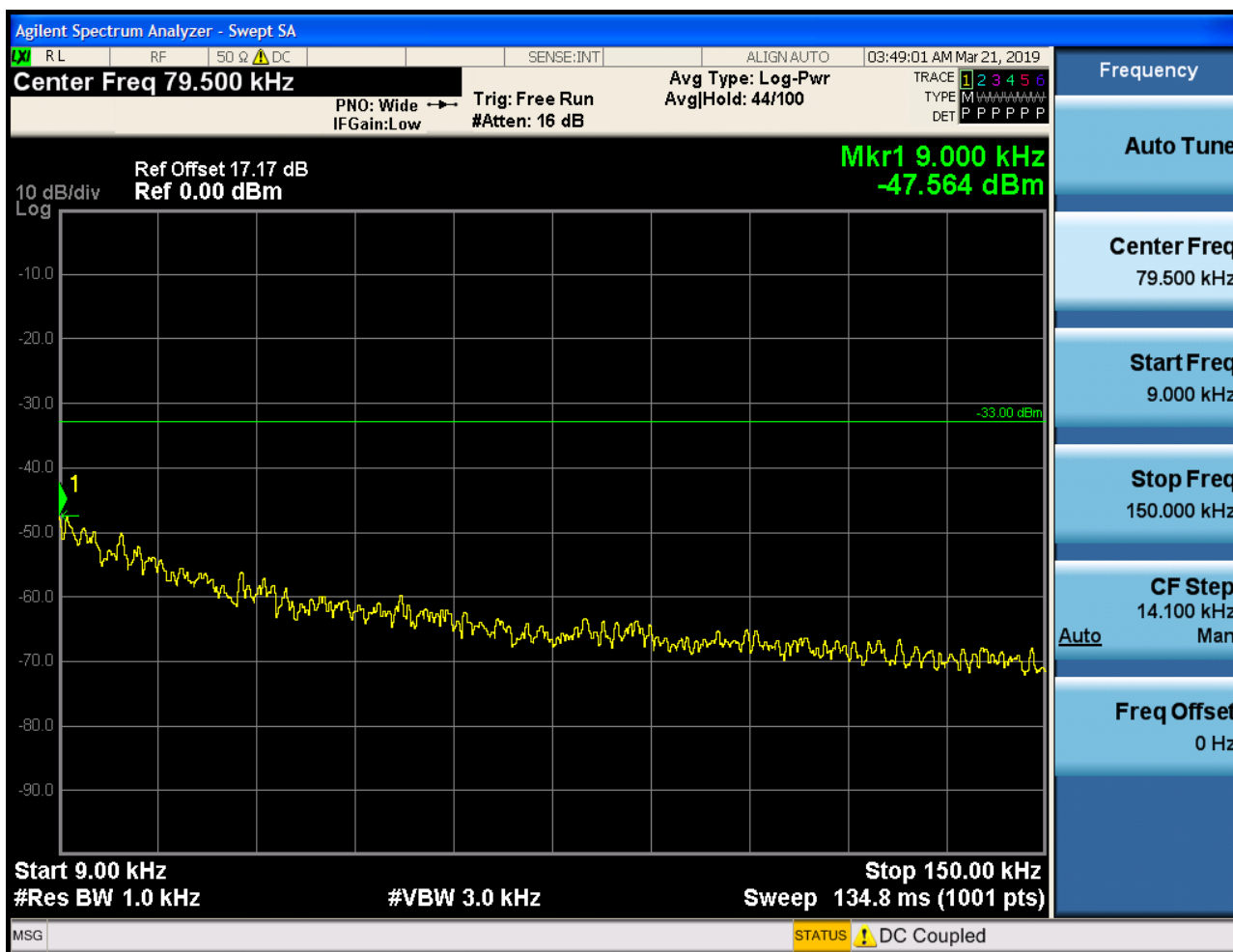


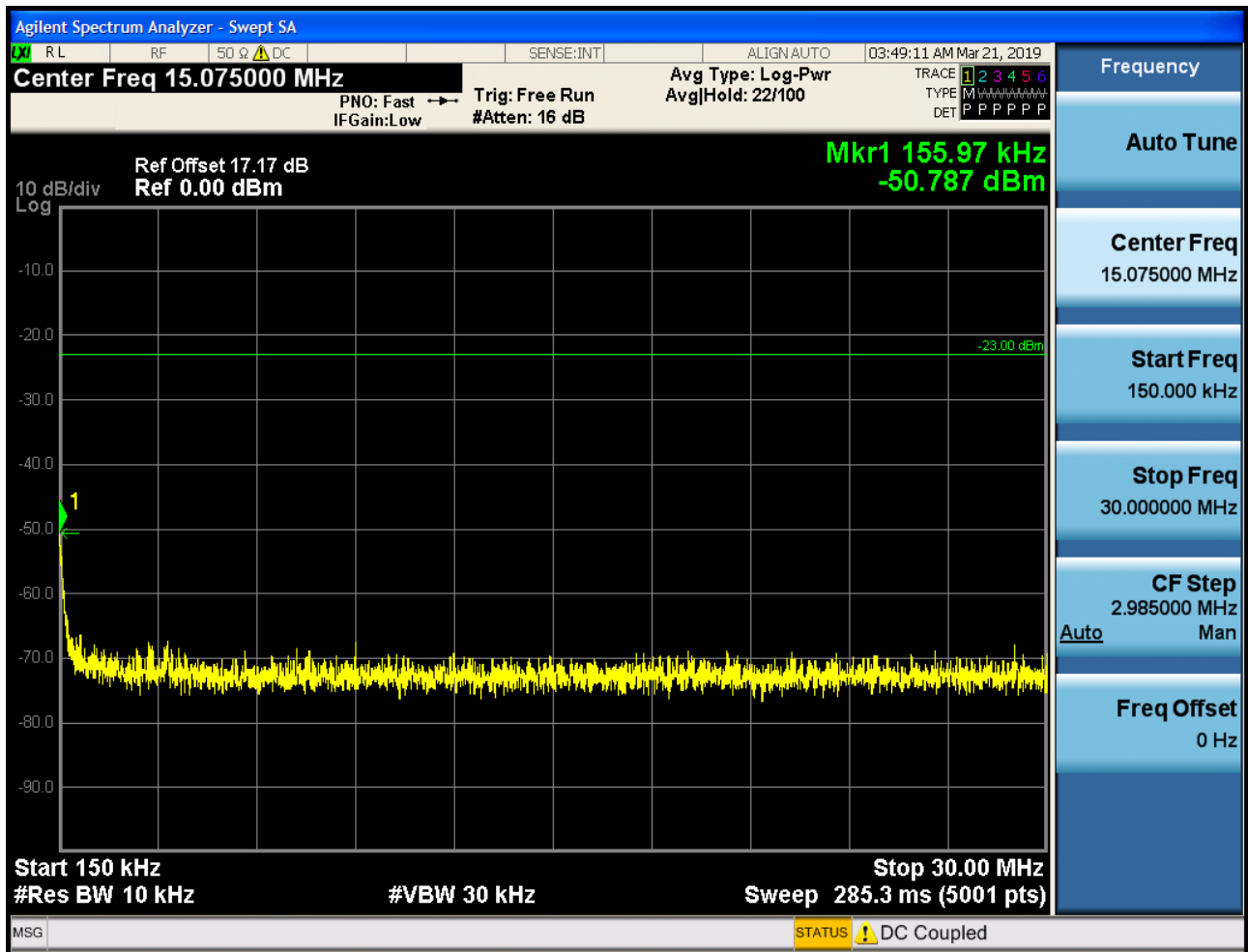


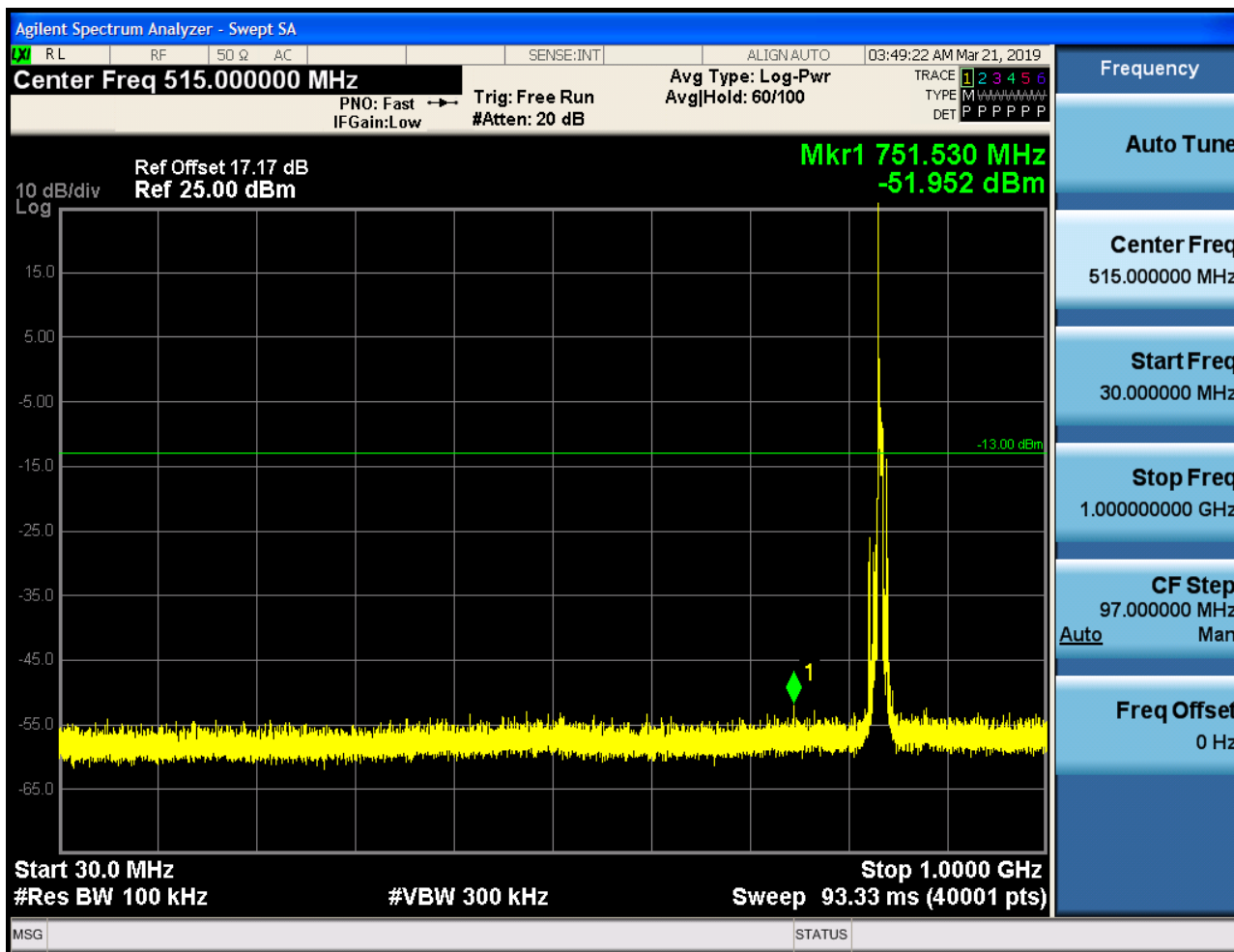


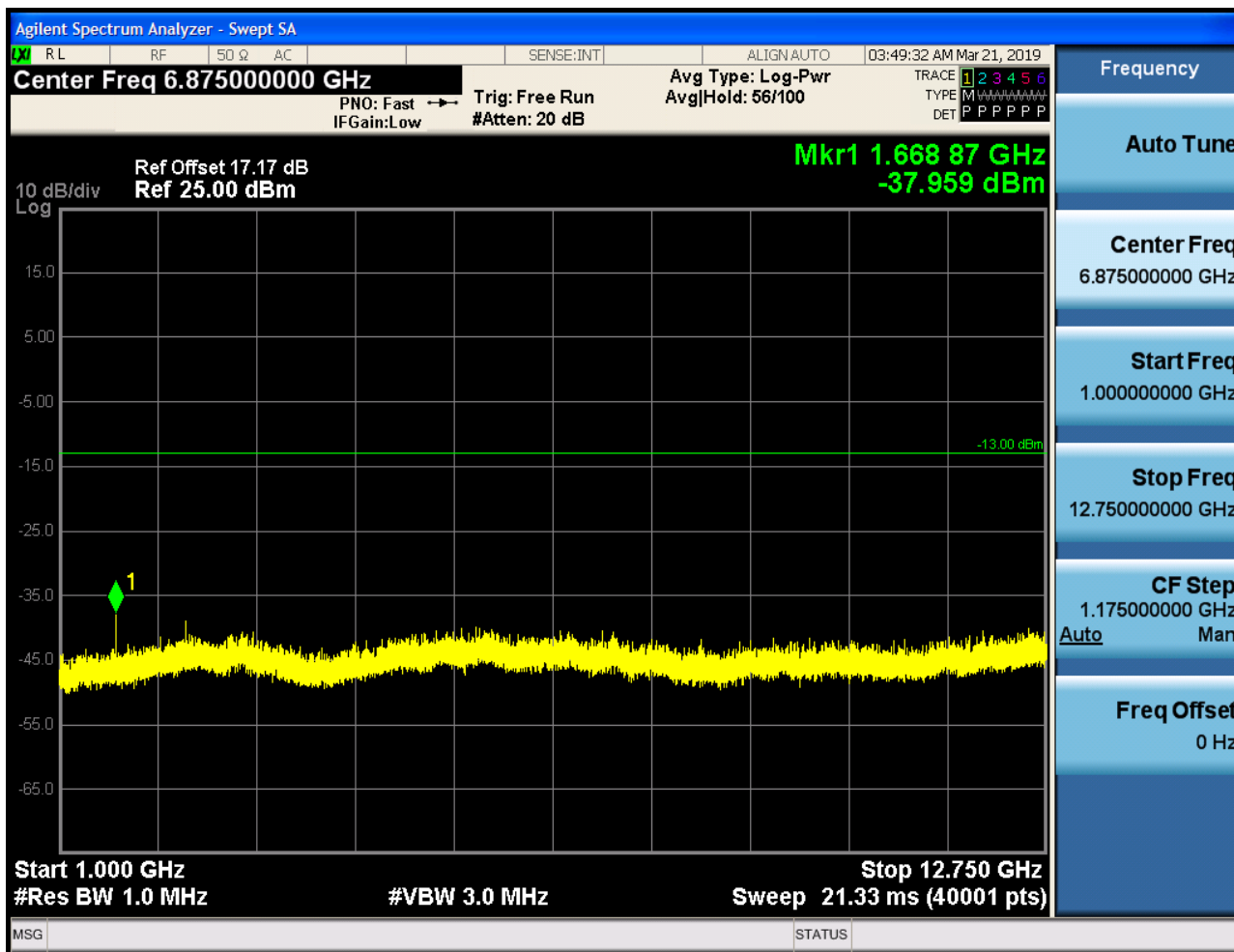
### 6.2.1.1.3.2 Test Channel = MCH

#### 6.2.1.1.3.2.1 Test RB = RB1#0



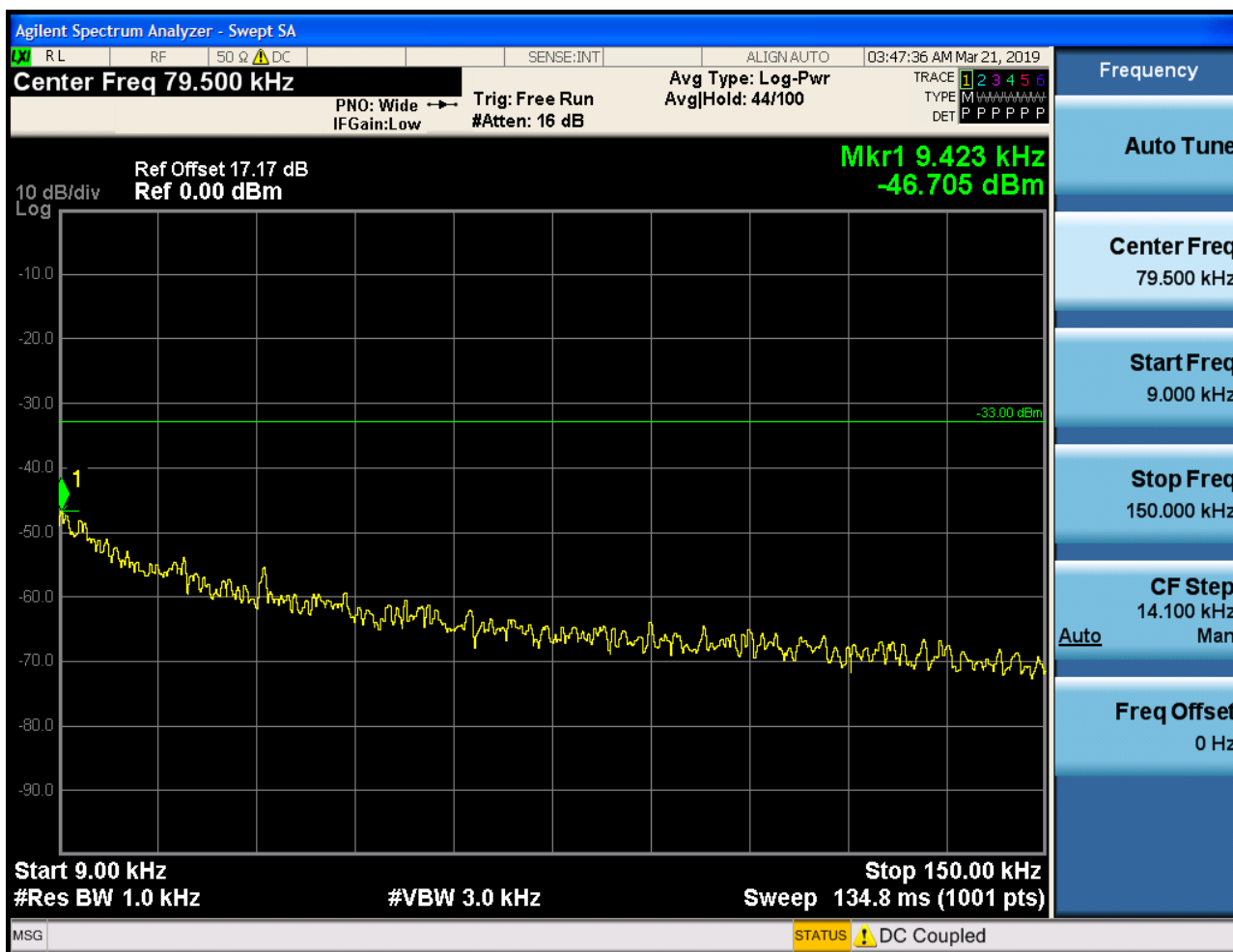


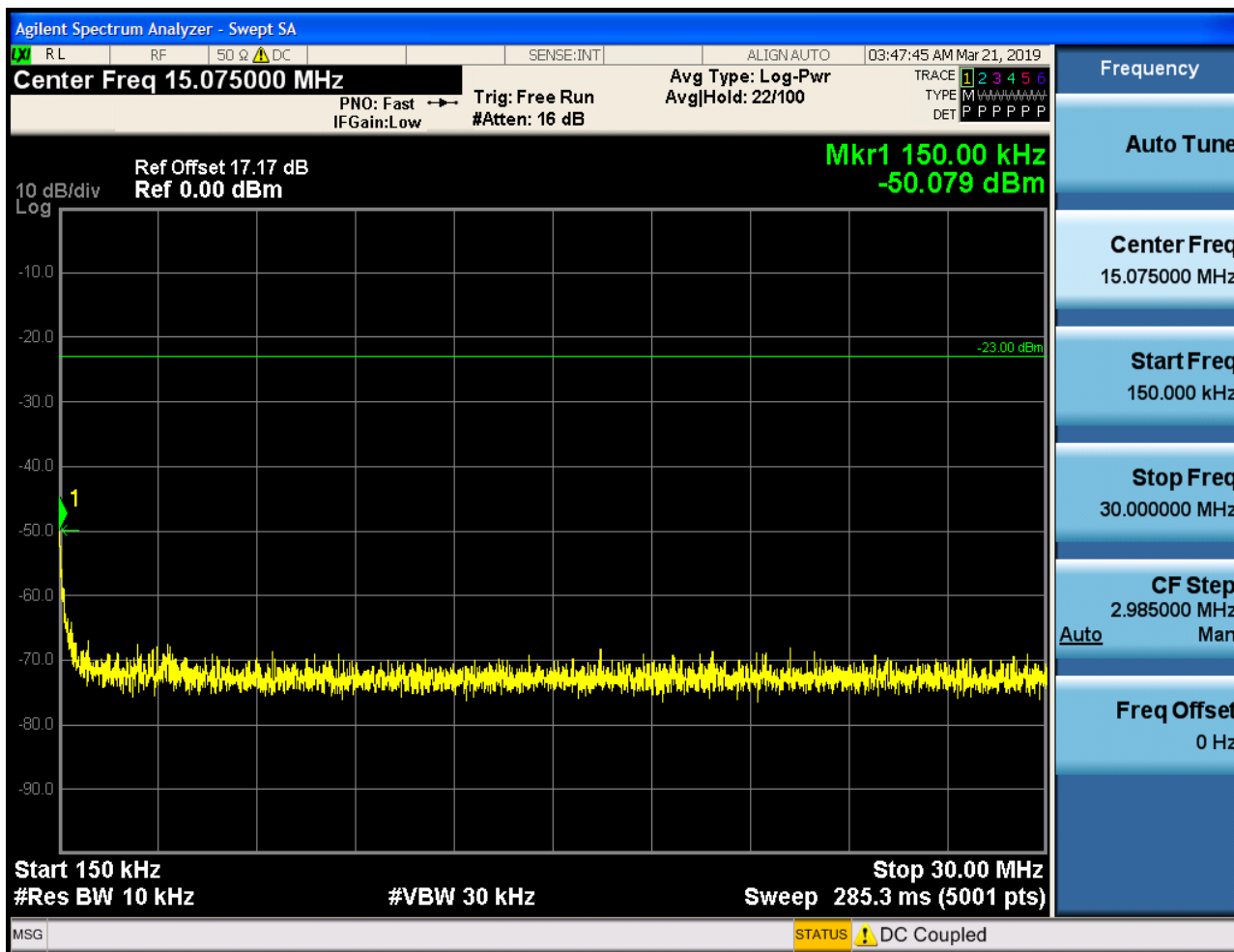


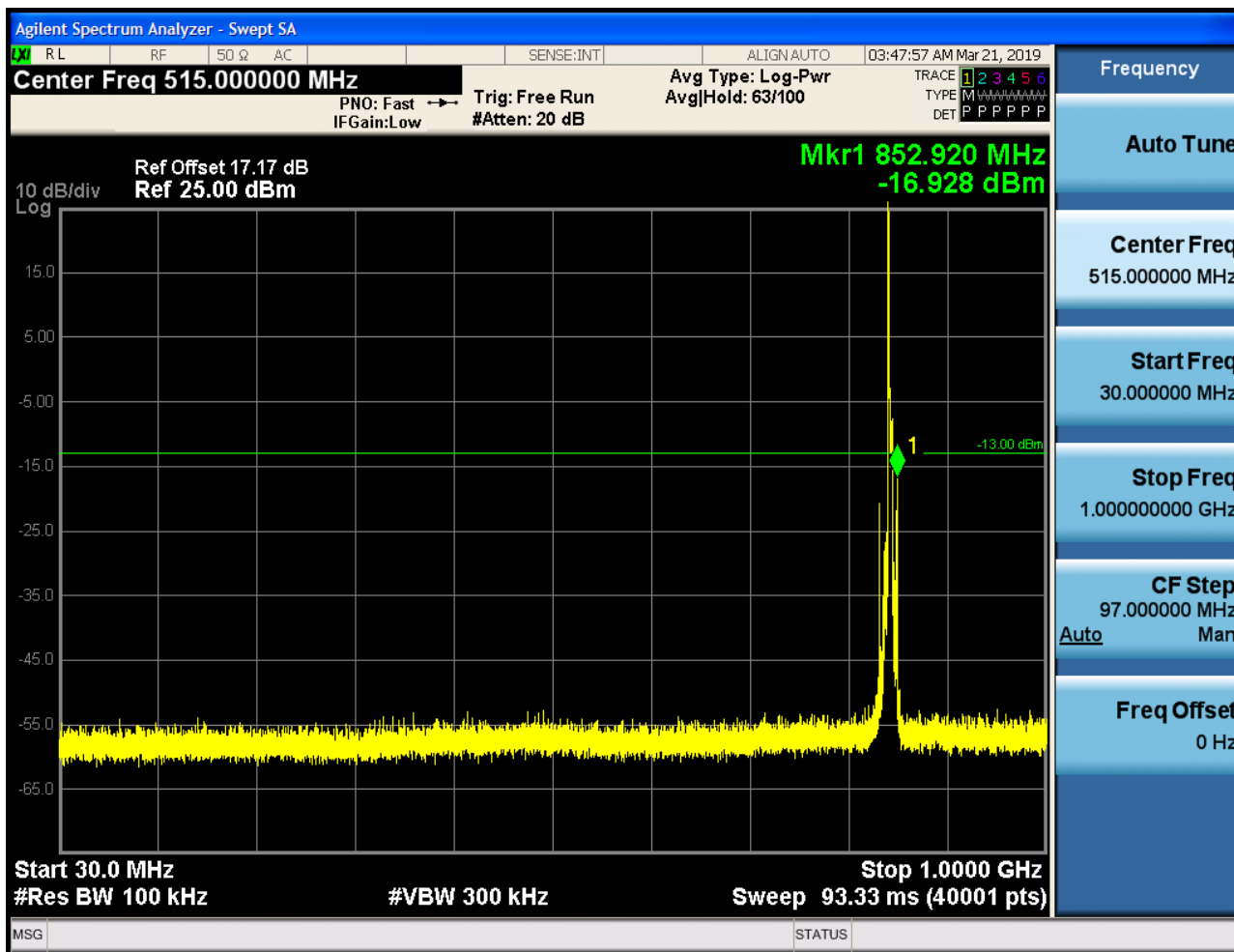


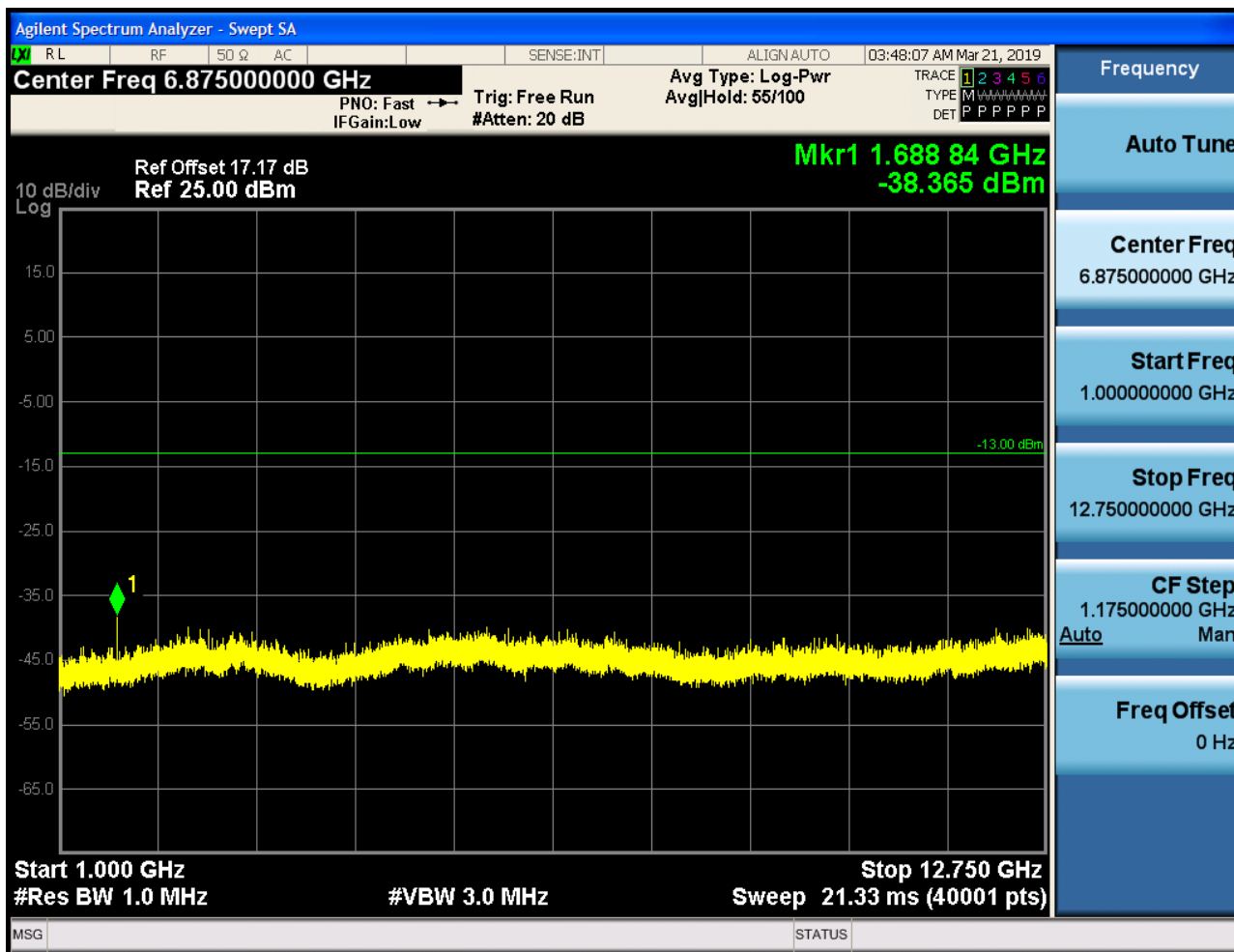
### 6.2.1.1.3.3 Test Channel = HCH

#### 6.2.1.1.3.3.1 Test RB = RB1#0





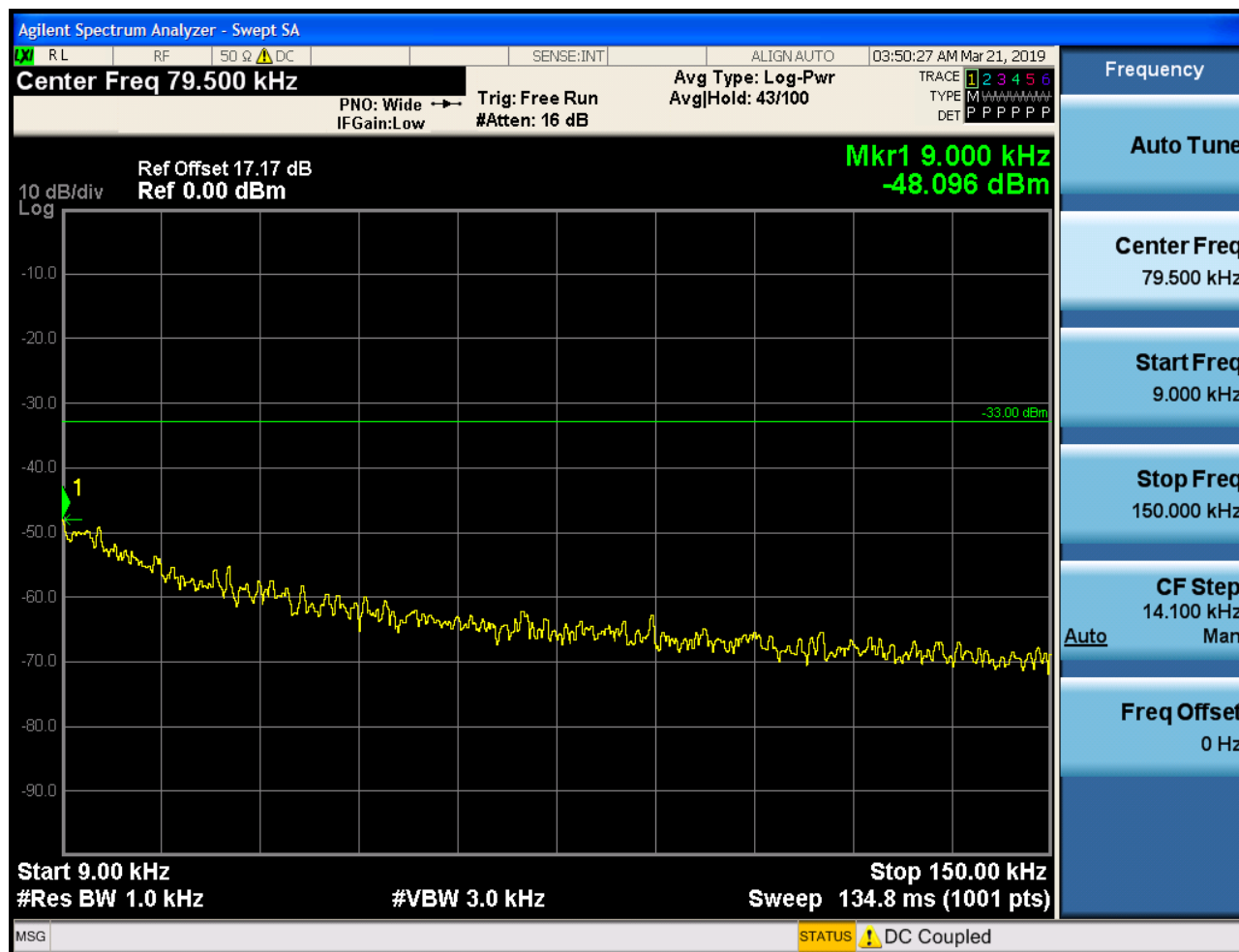


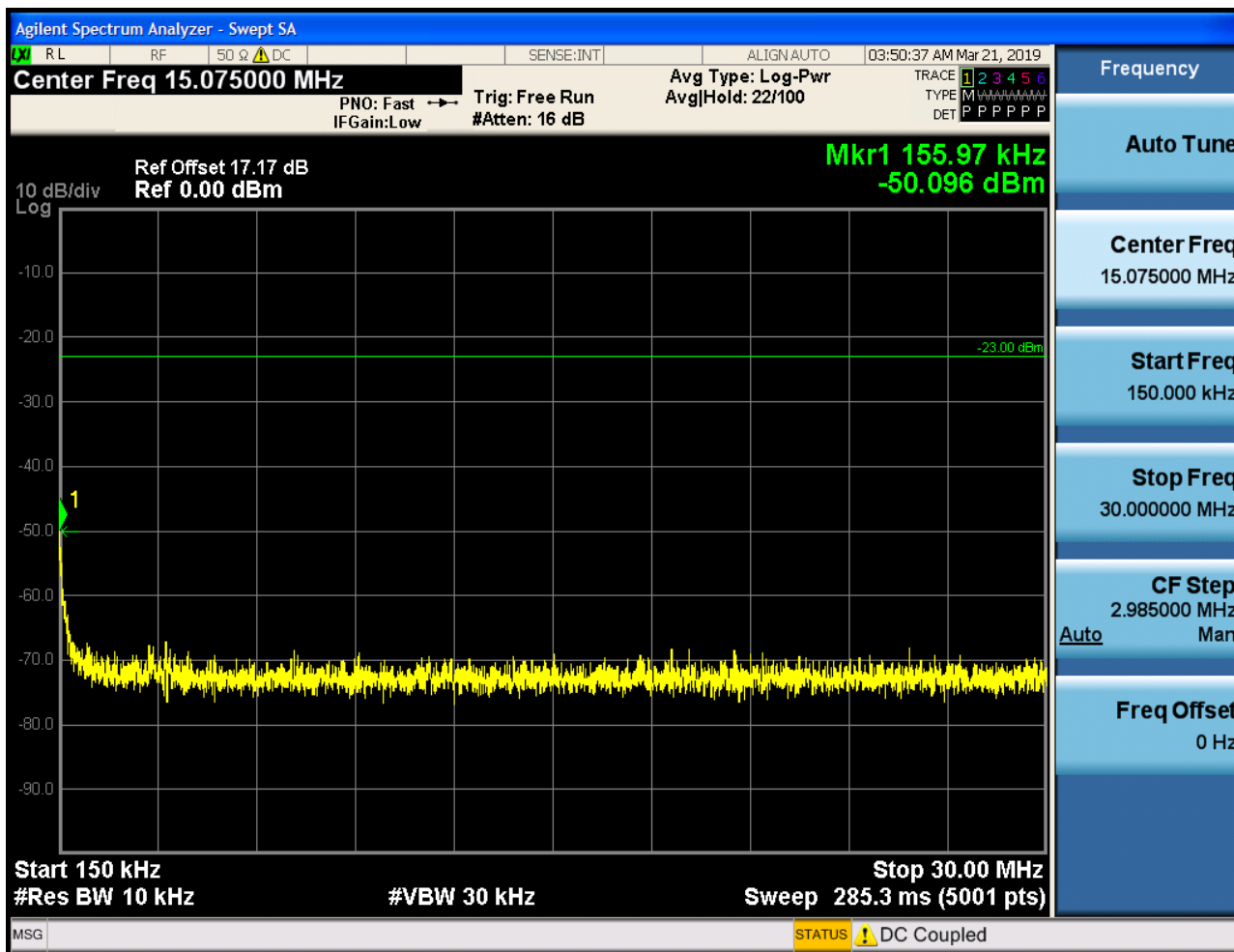


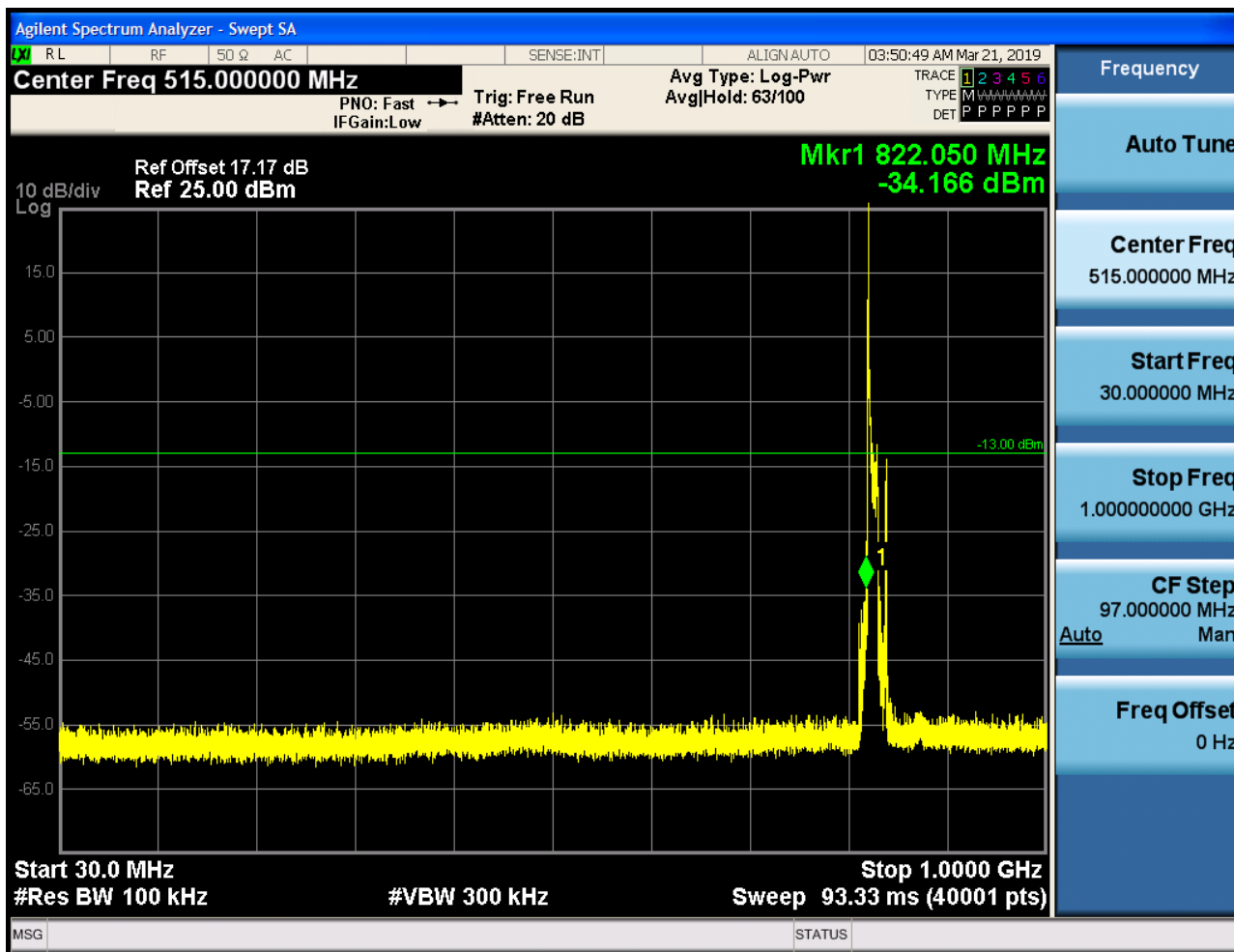
#### 6.2.1.1.4 Test Bandwidth = 10

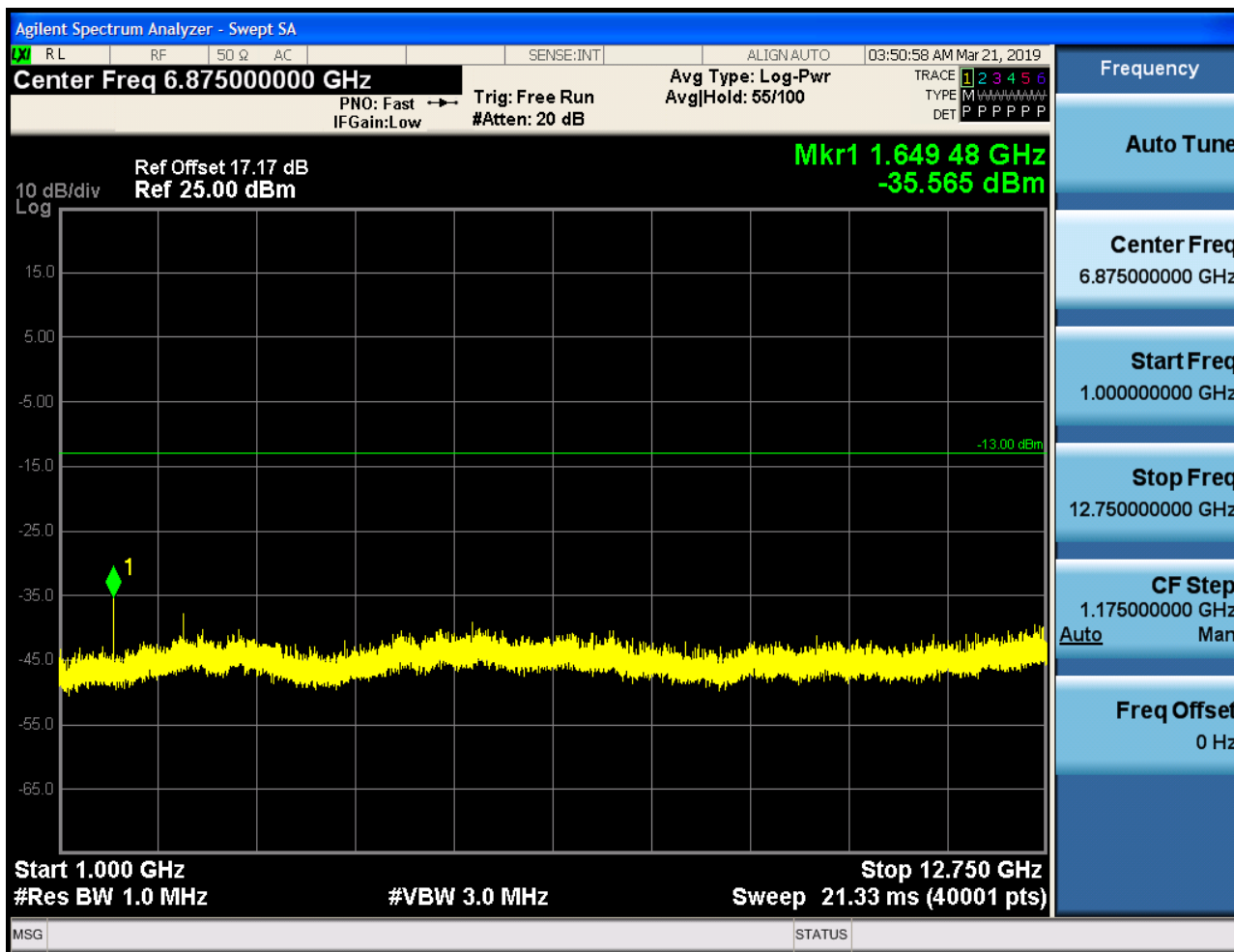
#### 6.2.1.1.4.1 Test Channel = LCH

#### 6.2.1.1.4.1.1 Test RB = RB1#0



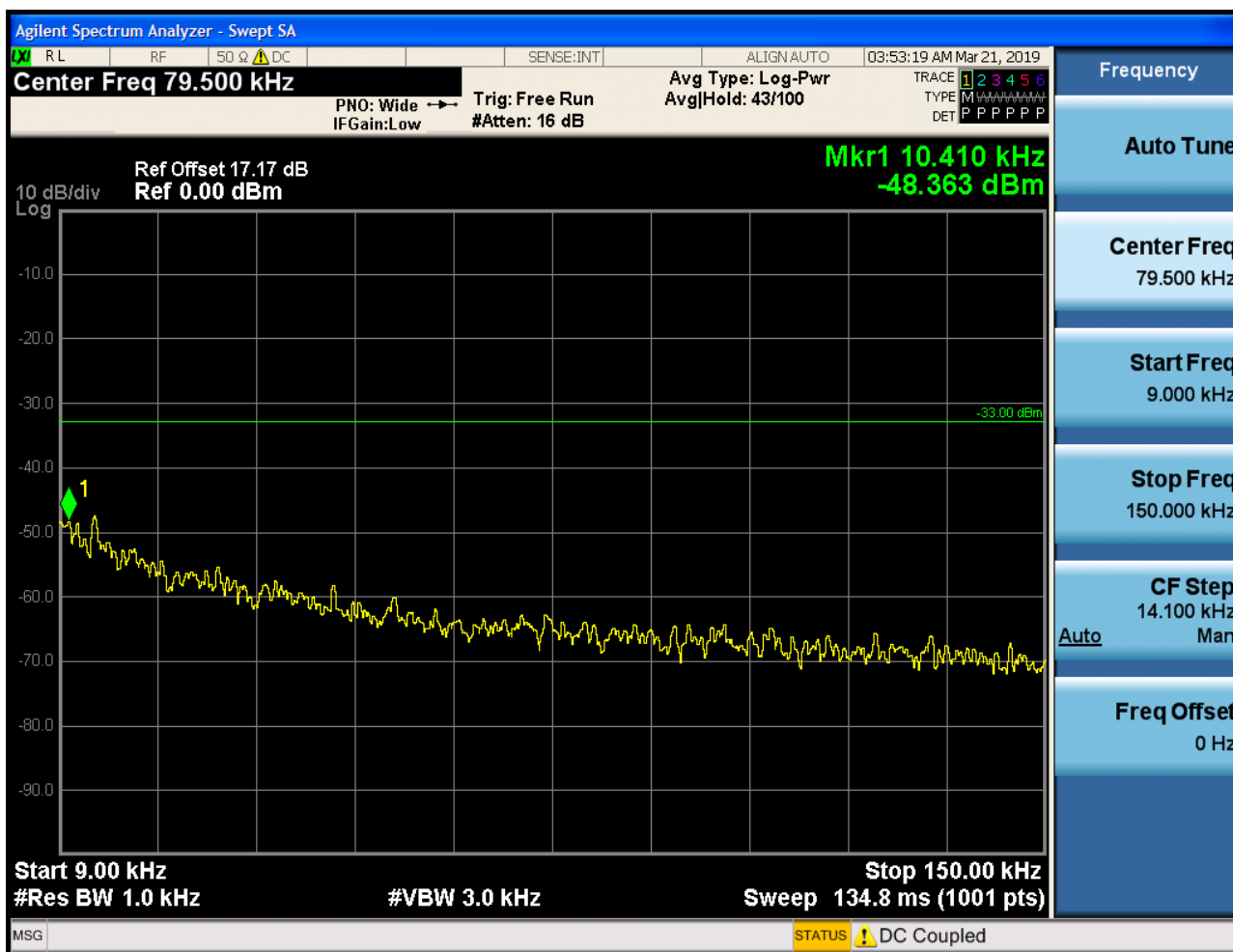


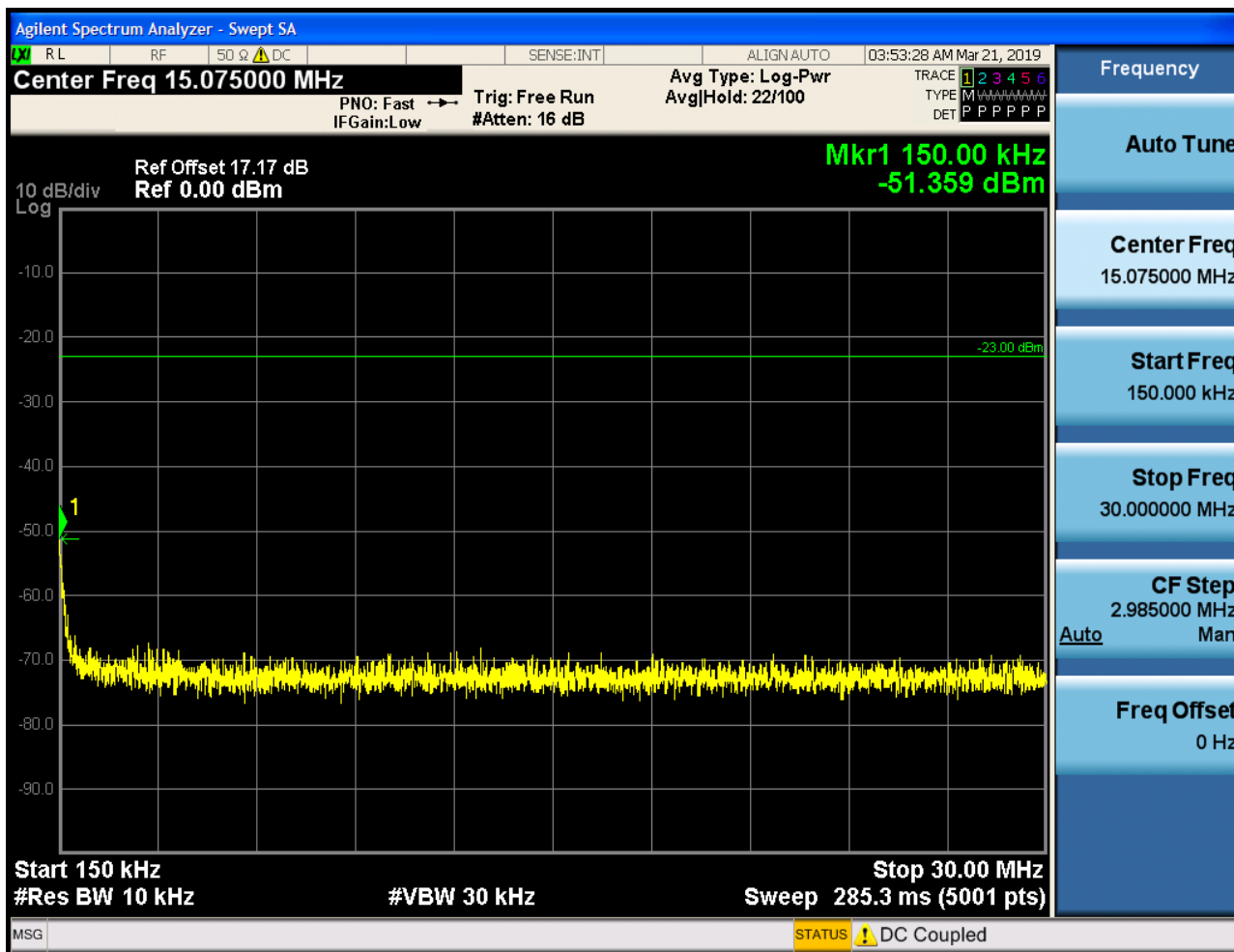


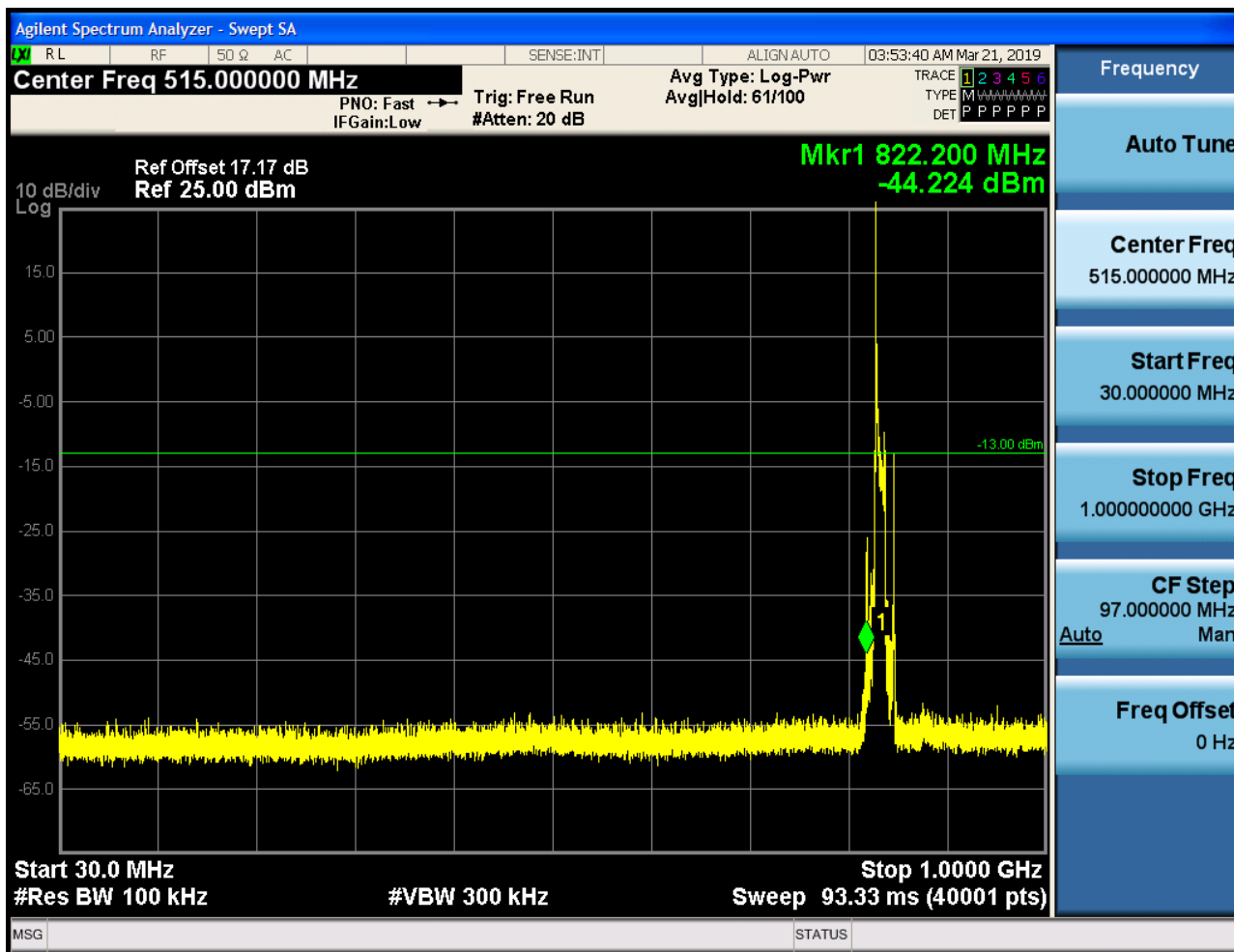


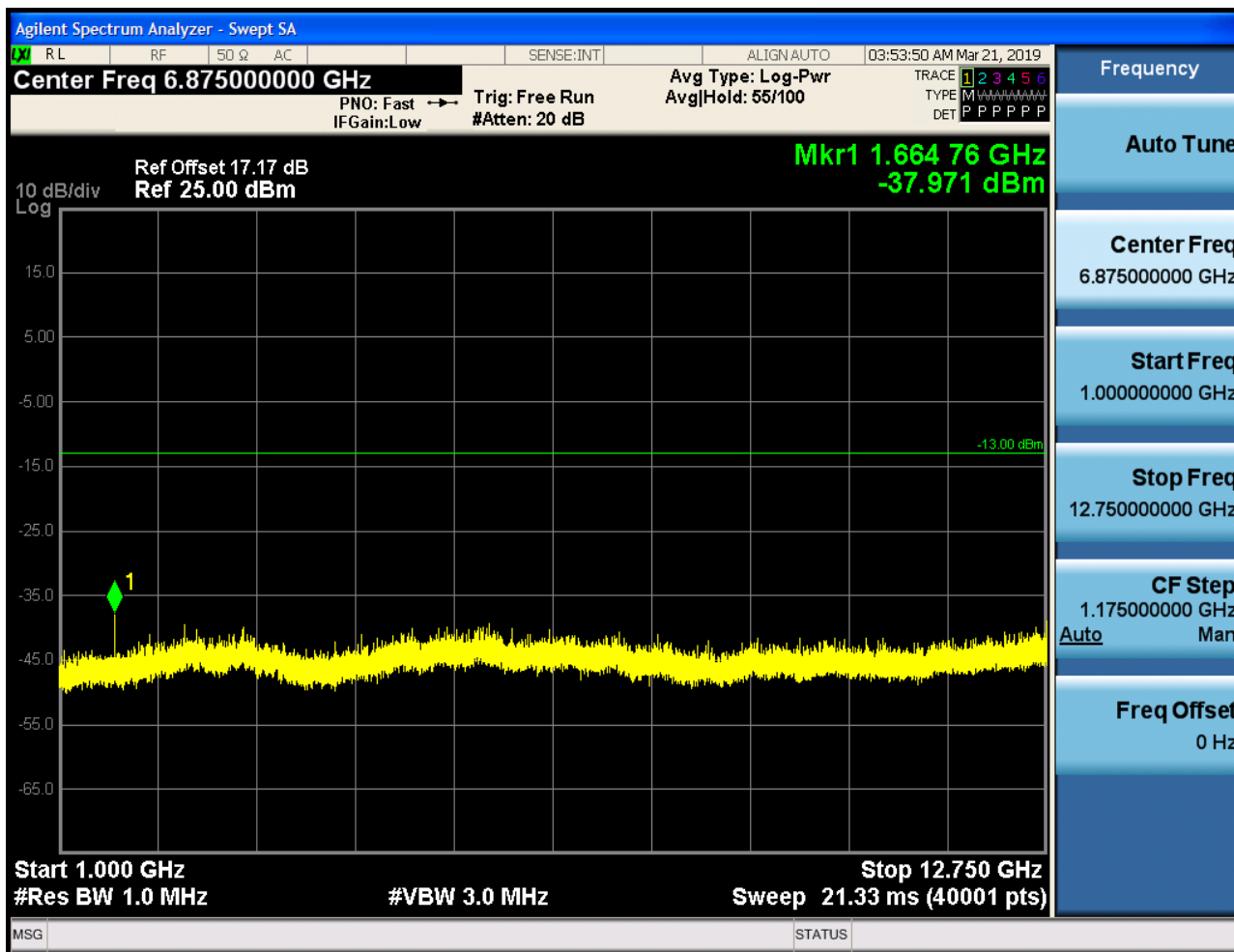
### 6.2.1.1.4.2 Test Channel = MCH

#### 6.2.1.1.4.2.1 Test RB = RB1#0



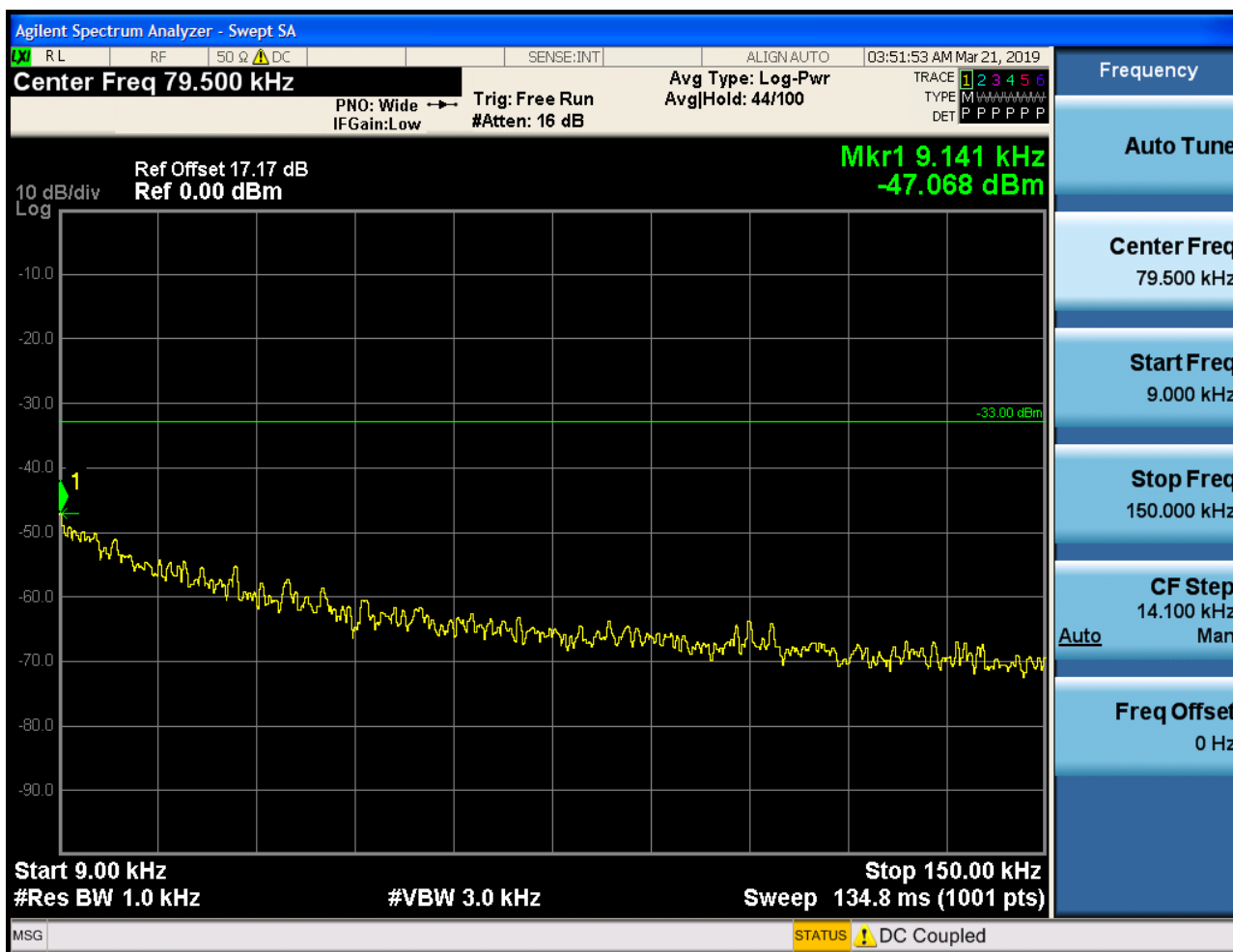


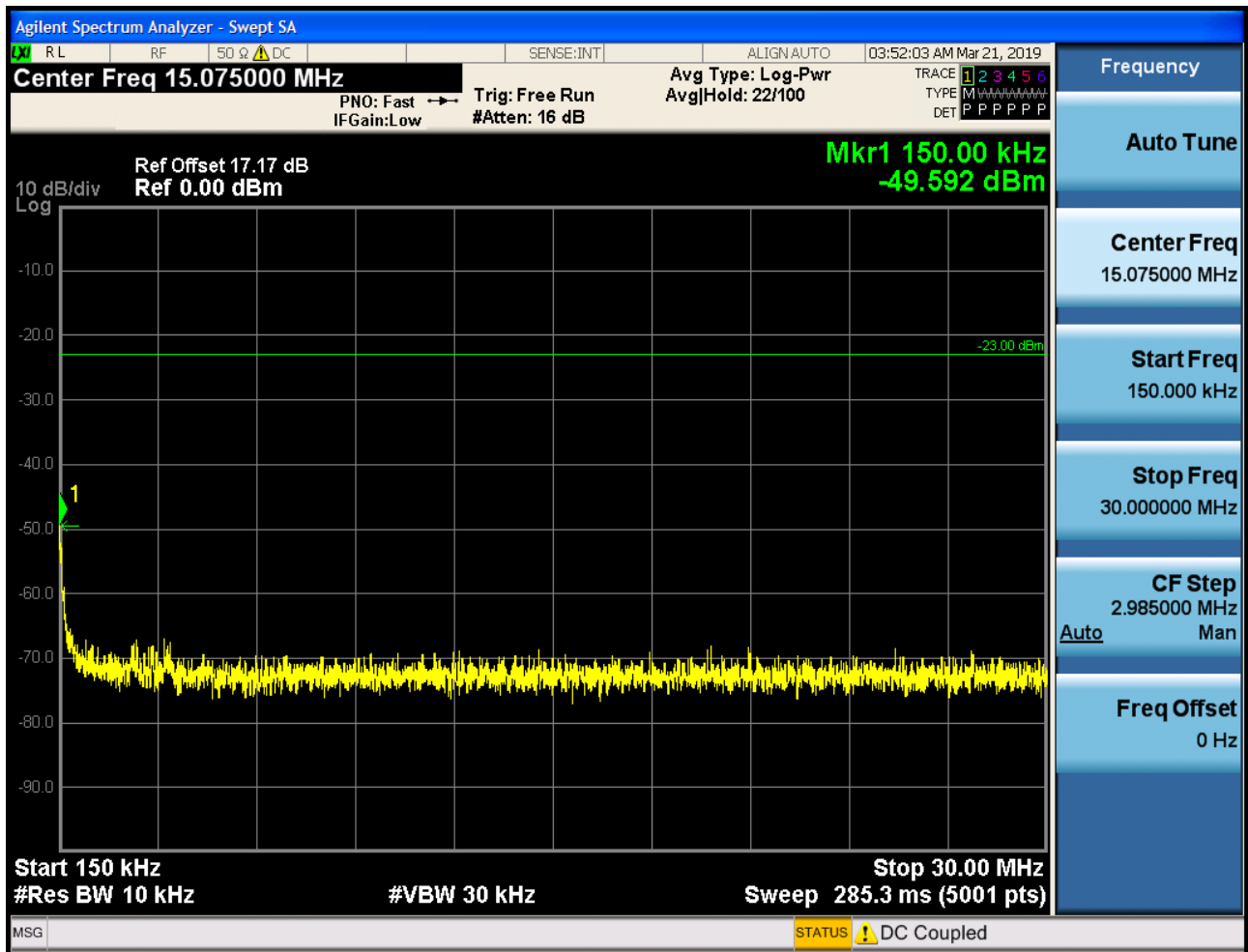


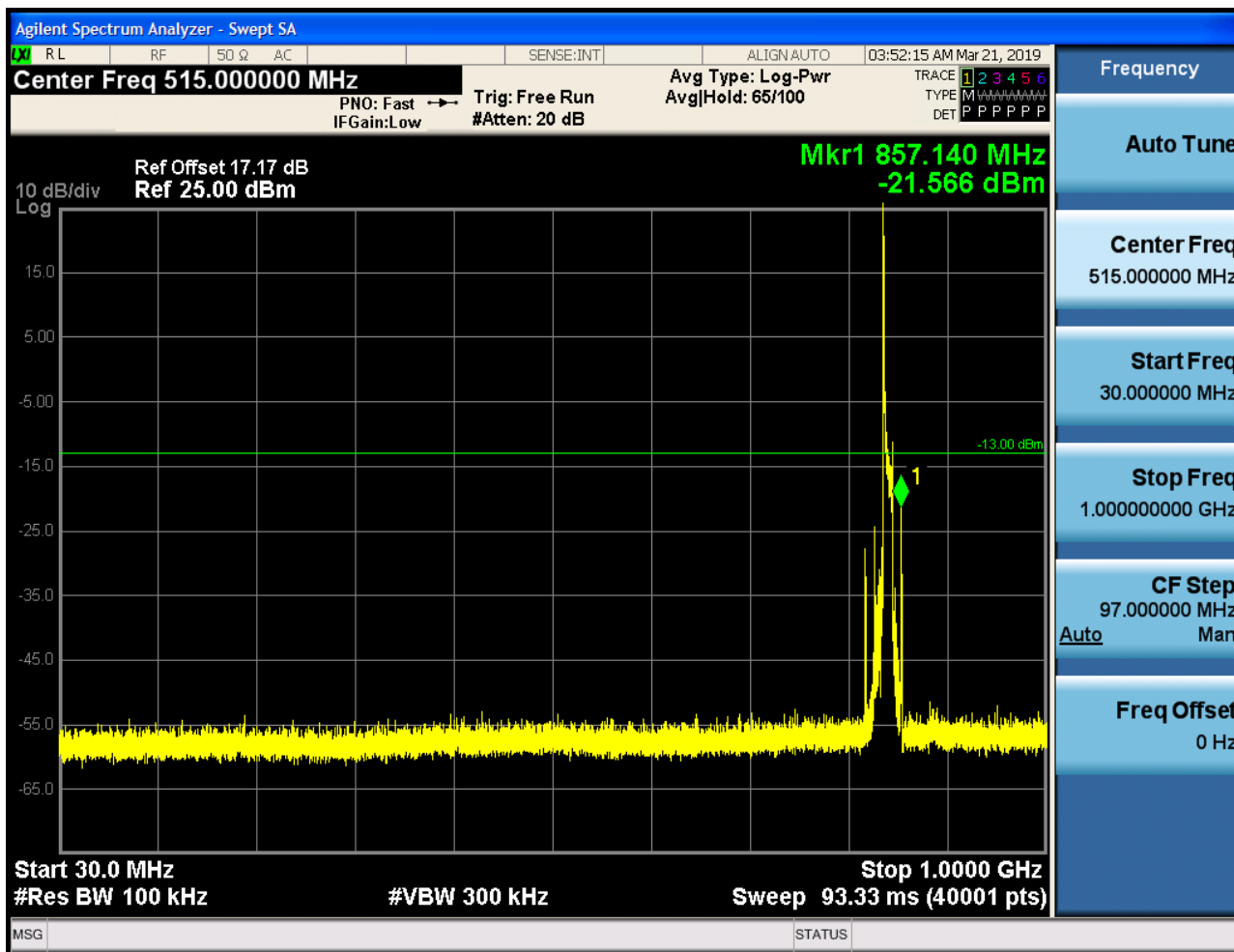


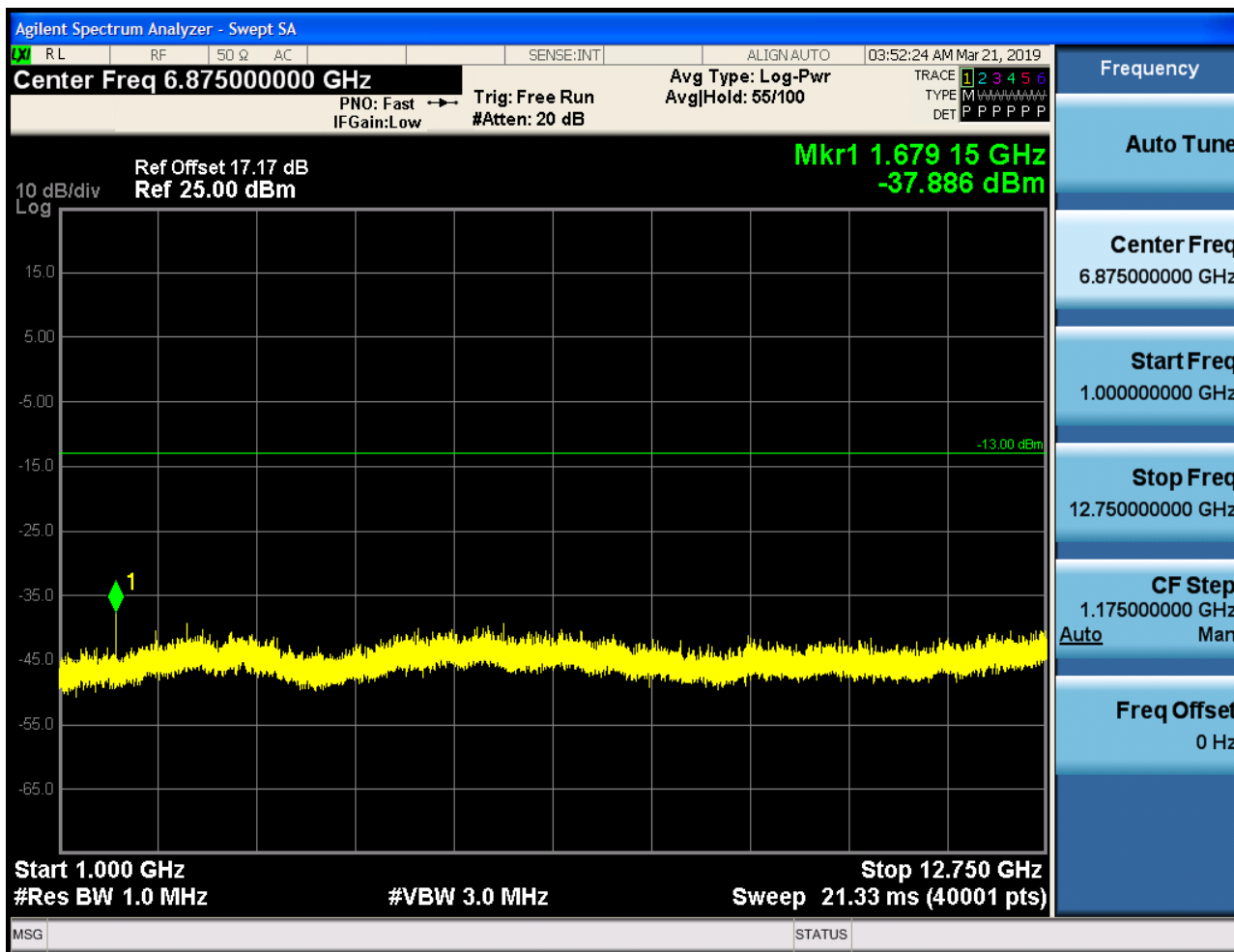
### 6.2.1.1.4.3 Test Channel = HCH

#### 6.2.1.1.4.3.1 Test RB = RB1#0







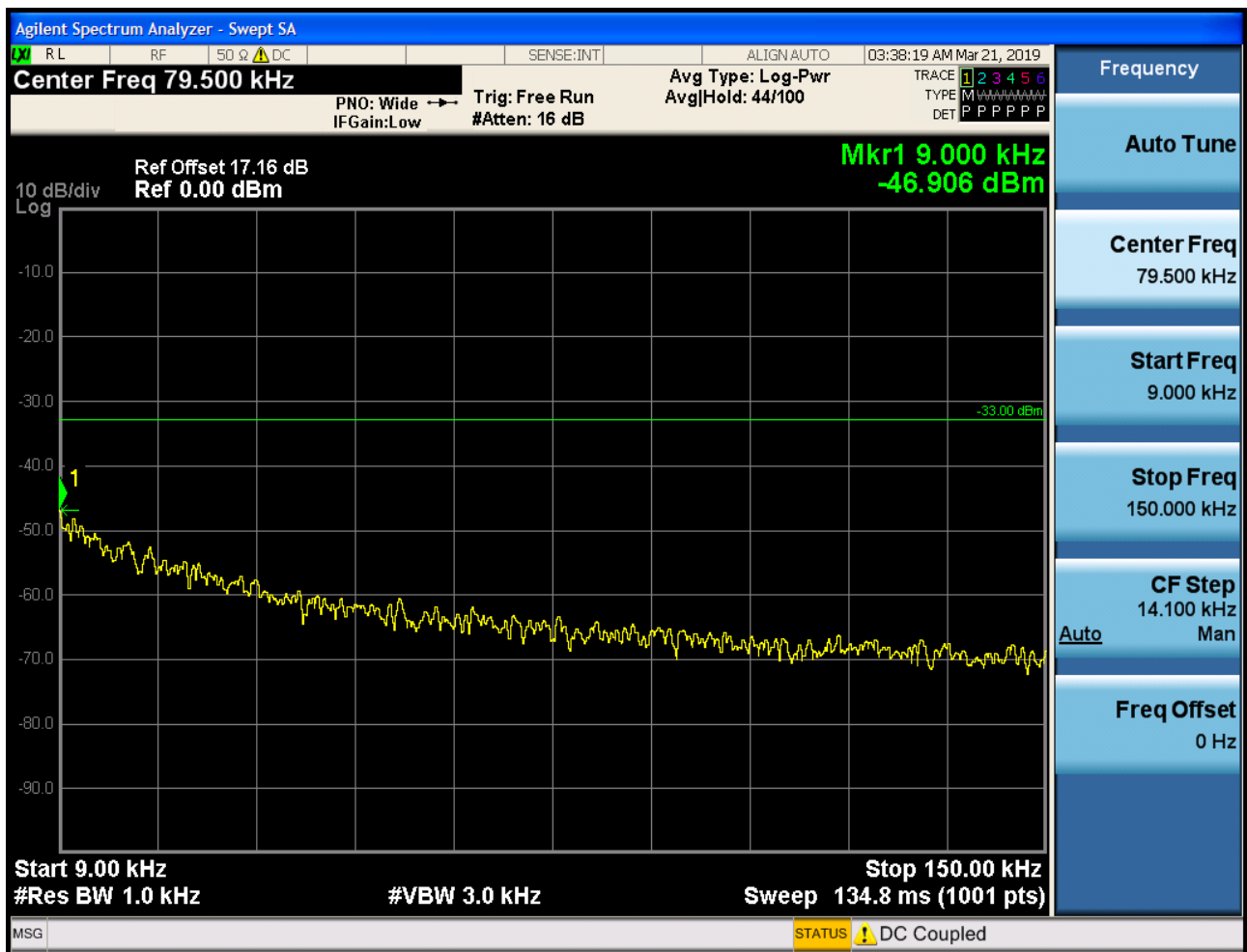


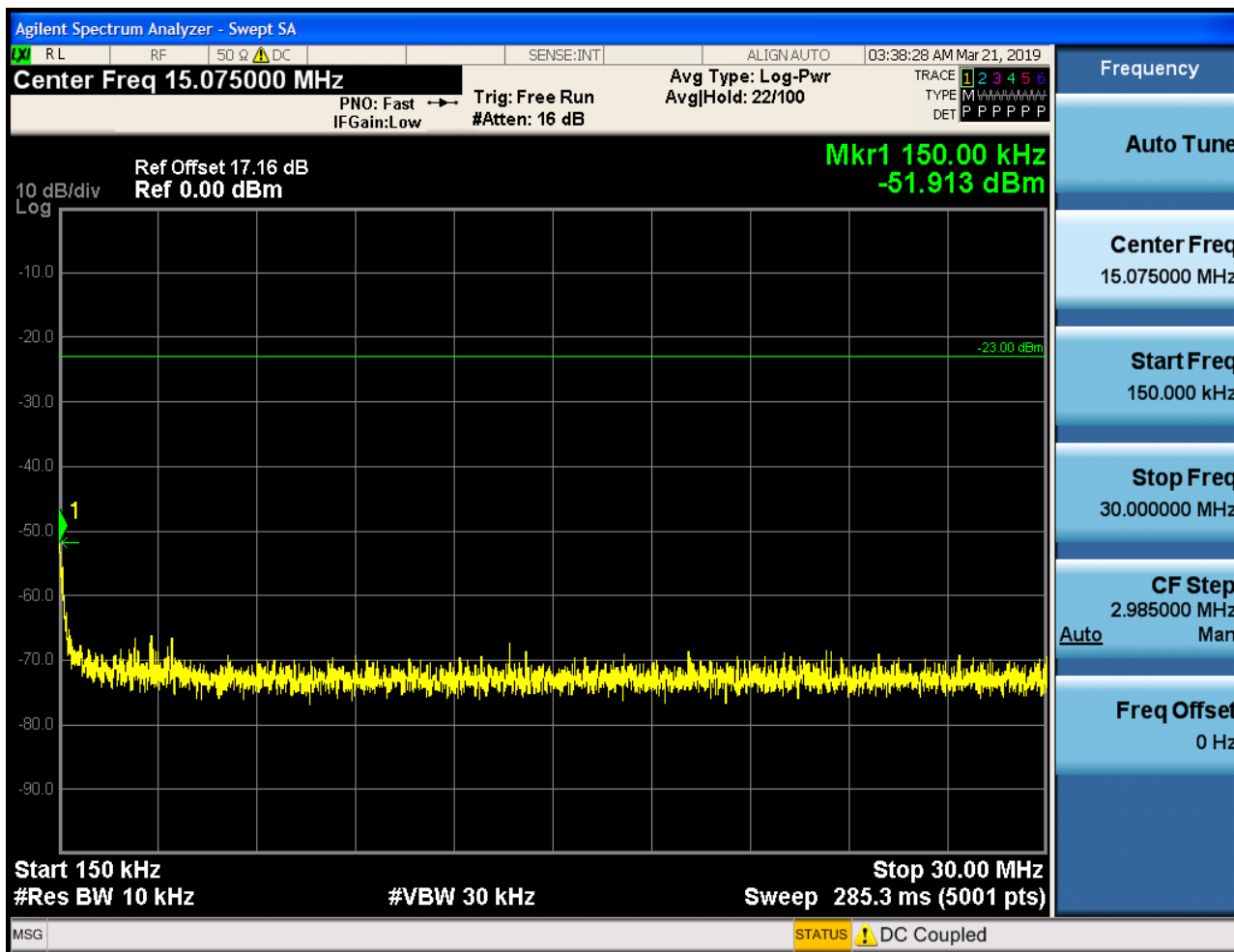
## 6.2.1.2 Test Mode = LTE/TM2

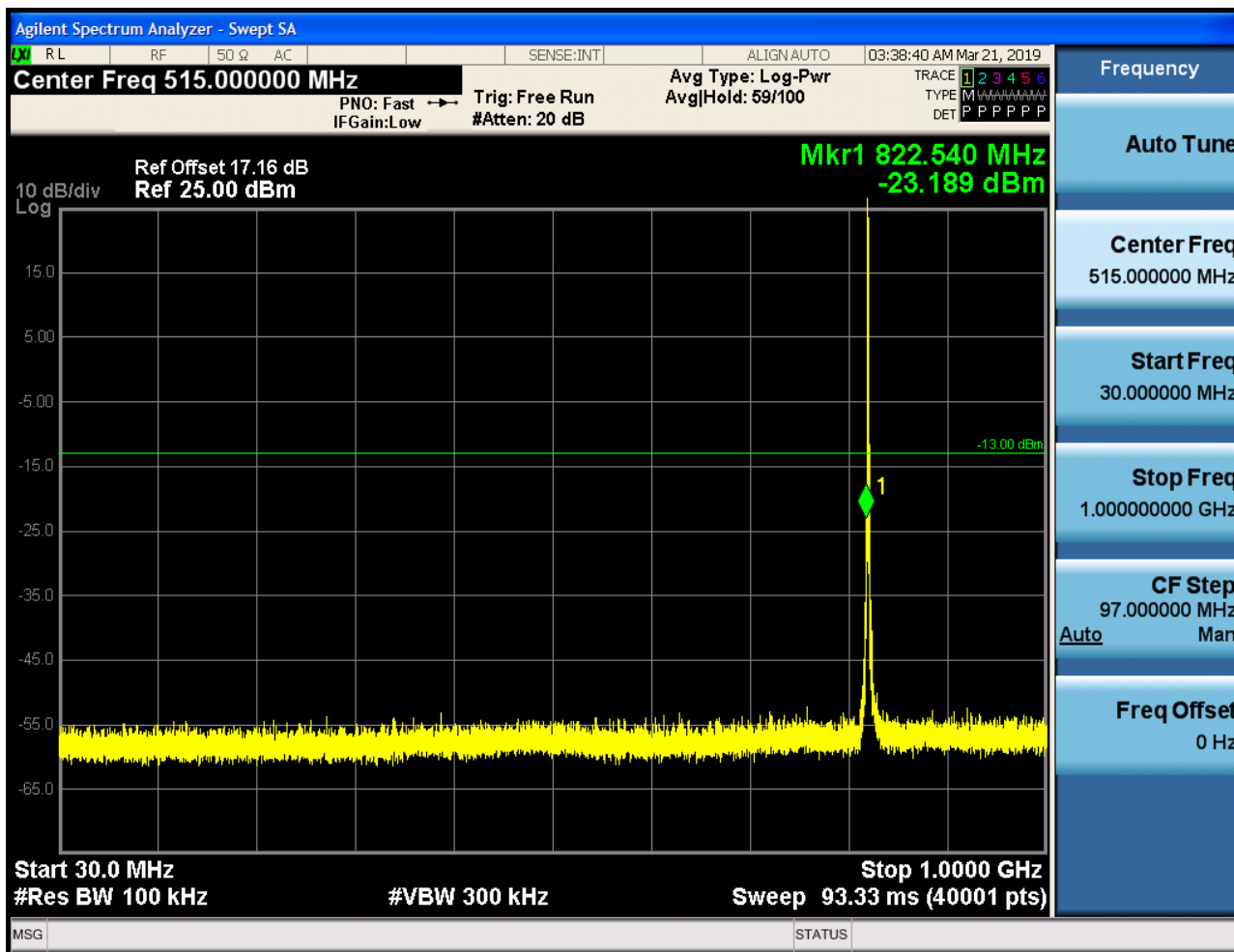
### 6.2.1.2.1 Test Bandwidth = 1.4

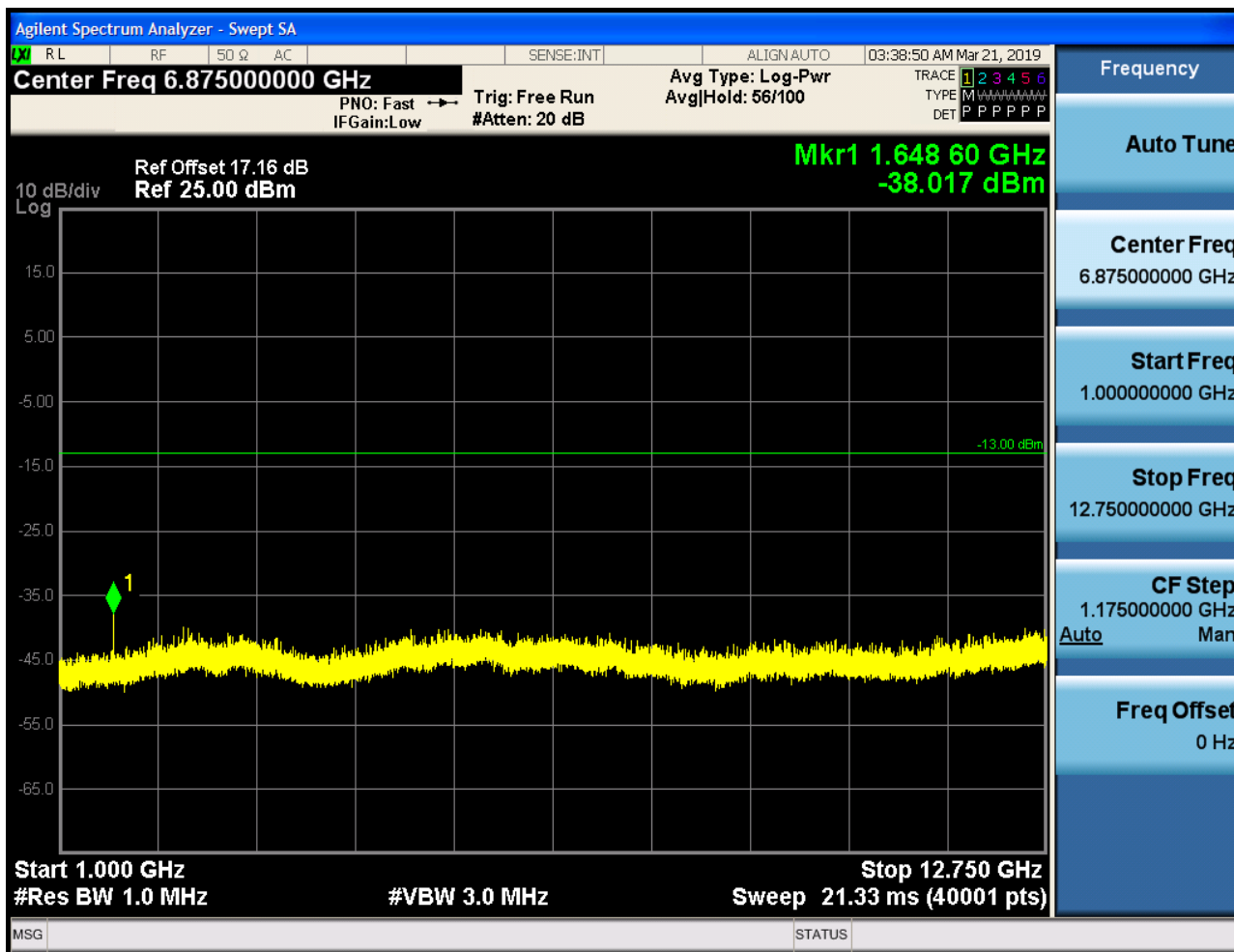
#### 6.2.1.2.1.1 Test Channel = LCH

##### 6.2.1.2.1.1.1 Test RB = RB1#0



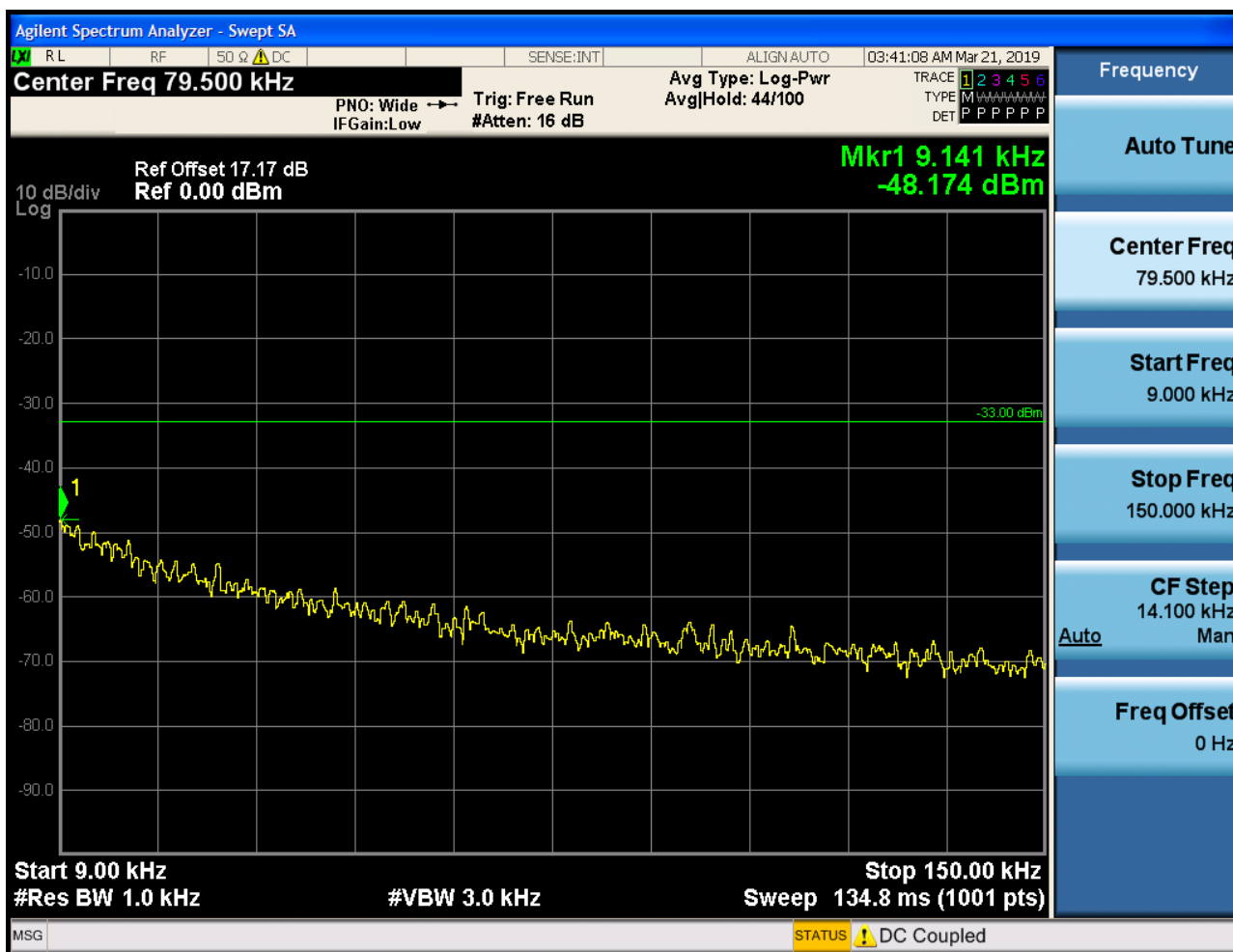


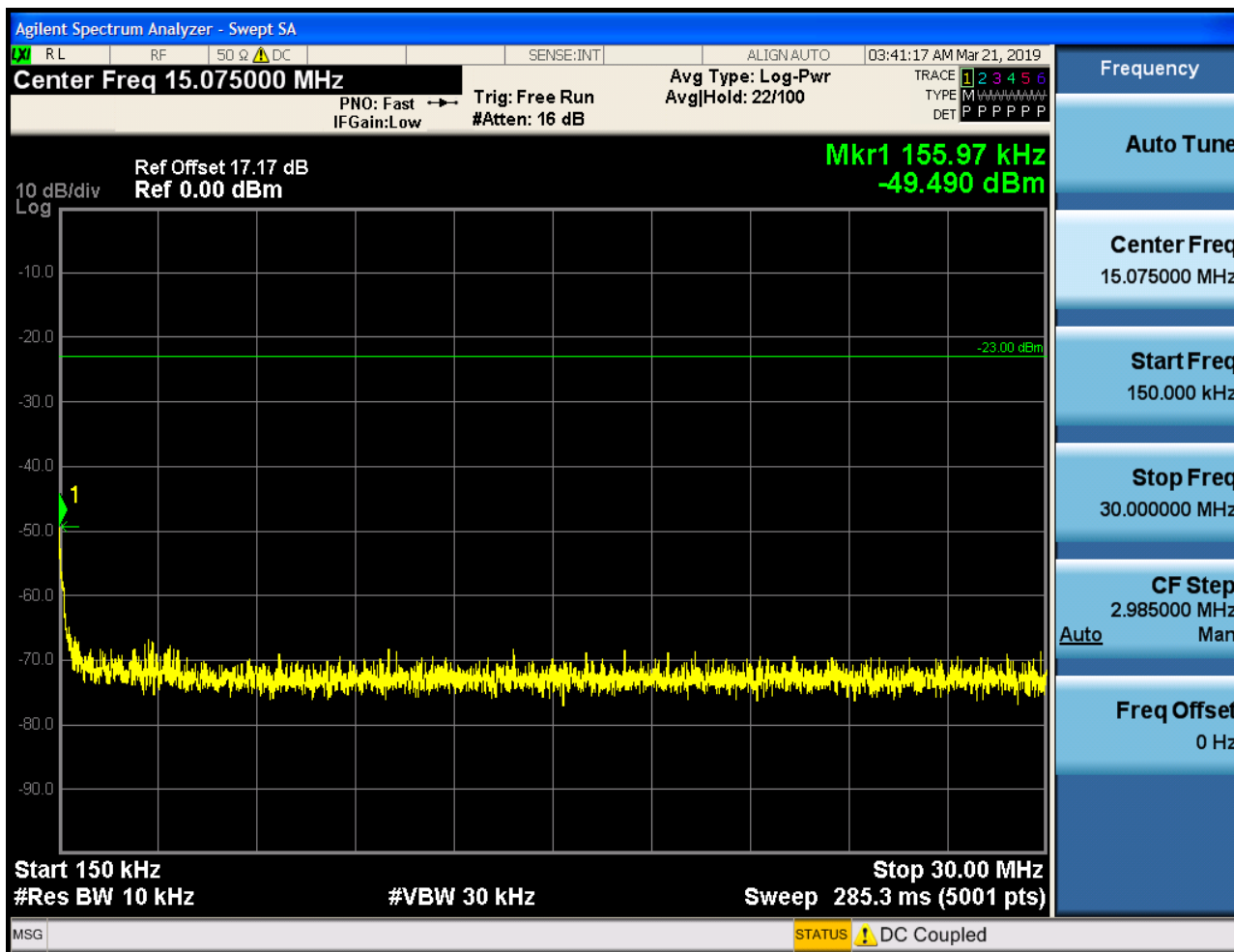


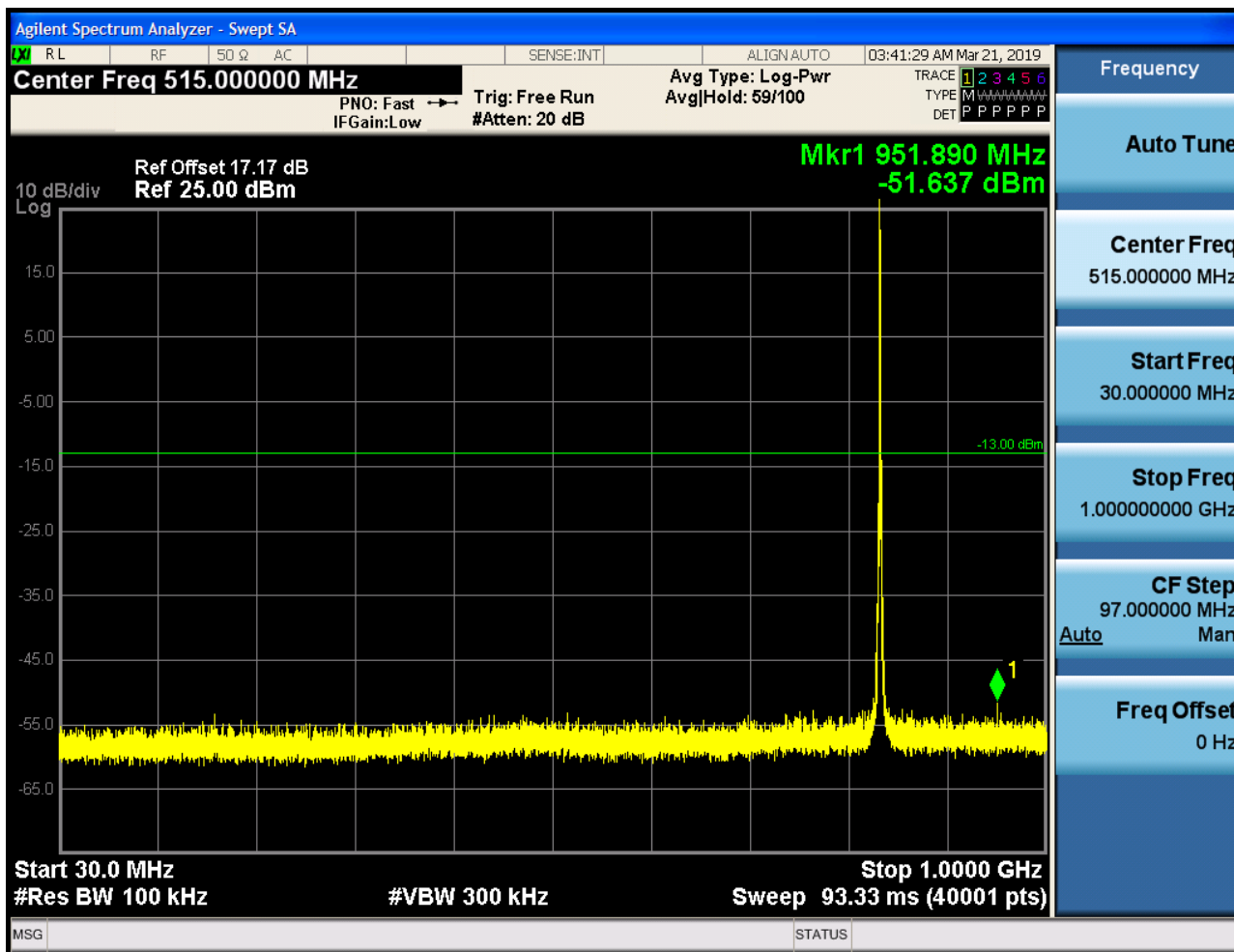


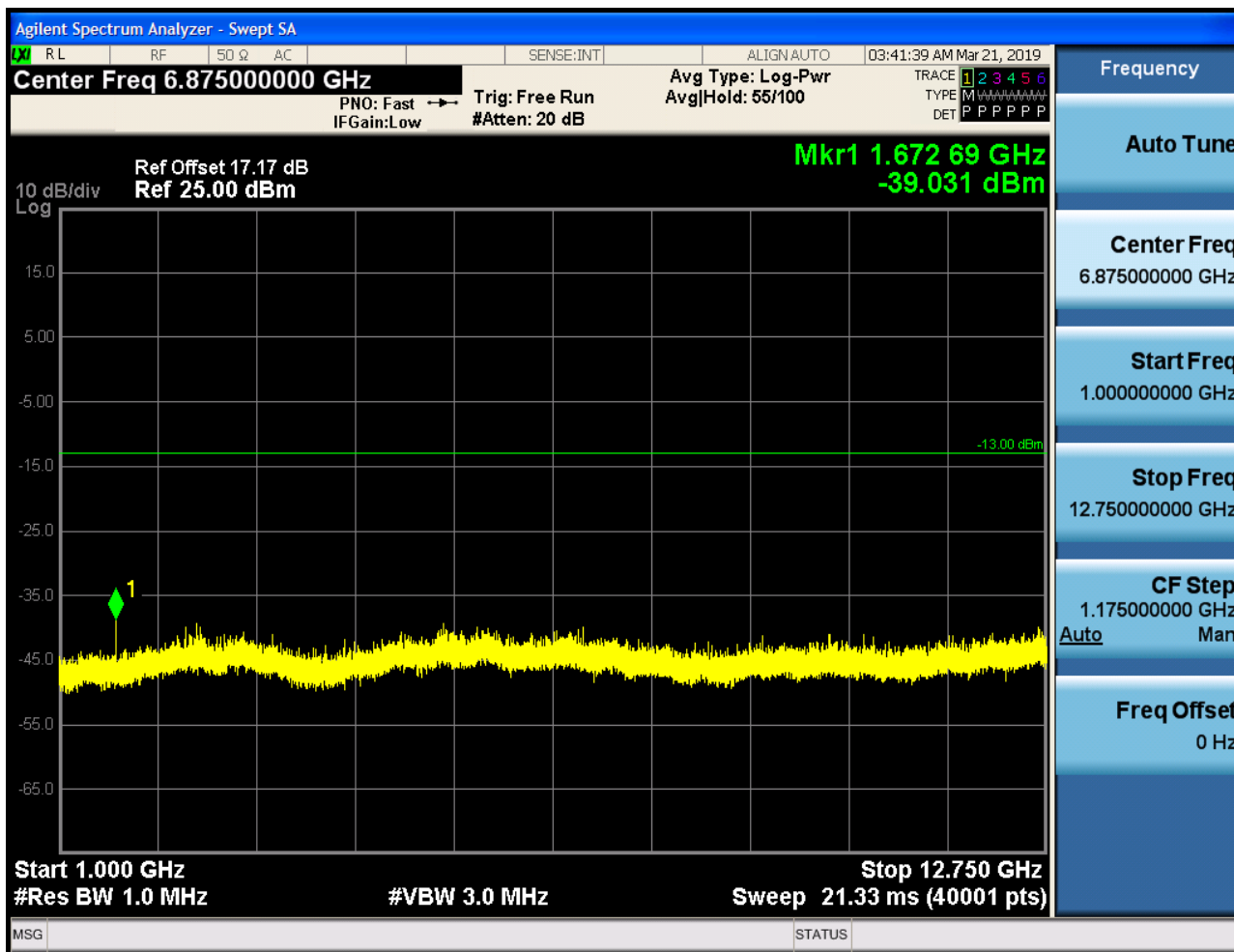
### 6.2.1.2.1.2 Test Channel = MCH

#### 6.2.1.2.1.2.1 Test RB = RB1#0





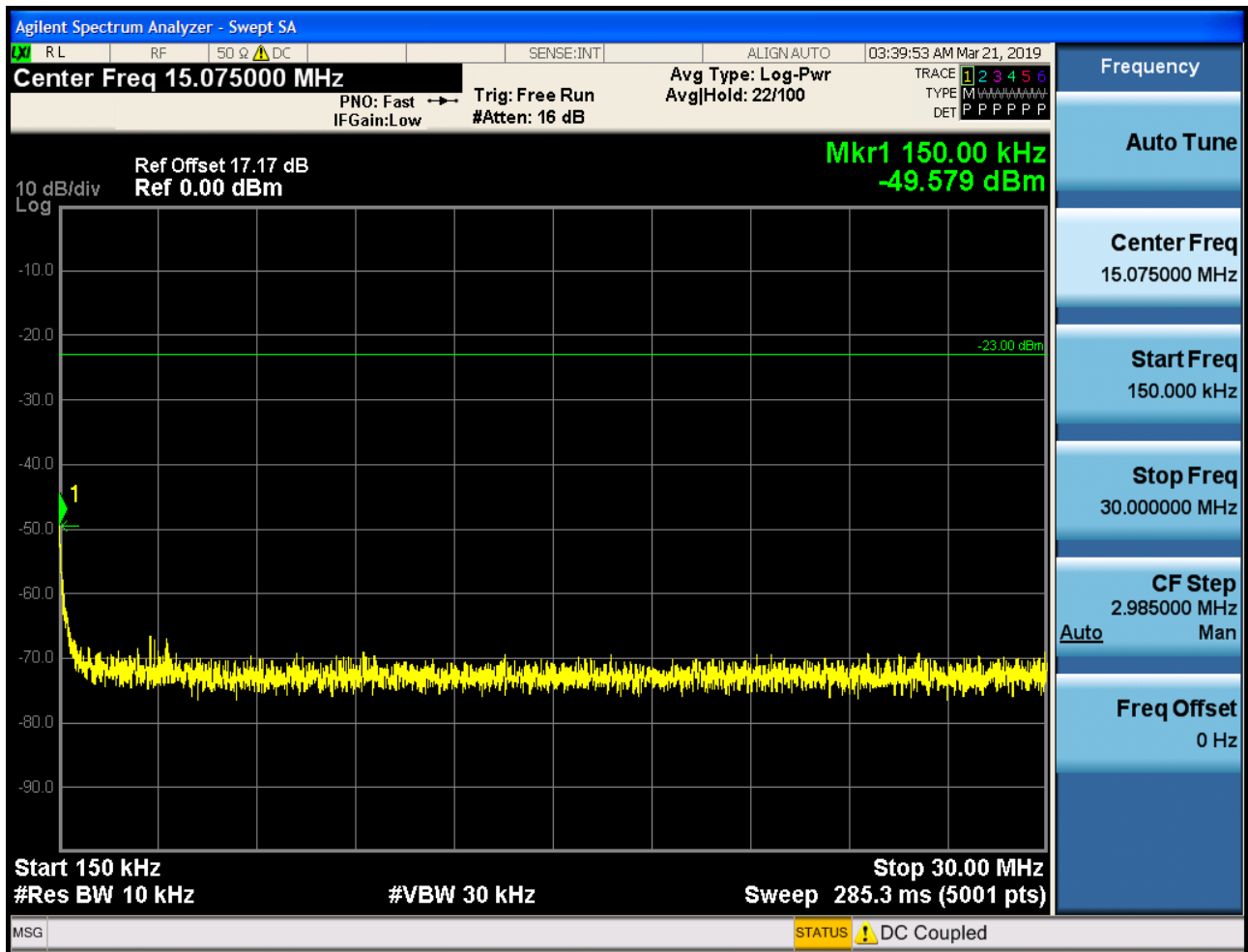


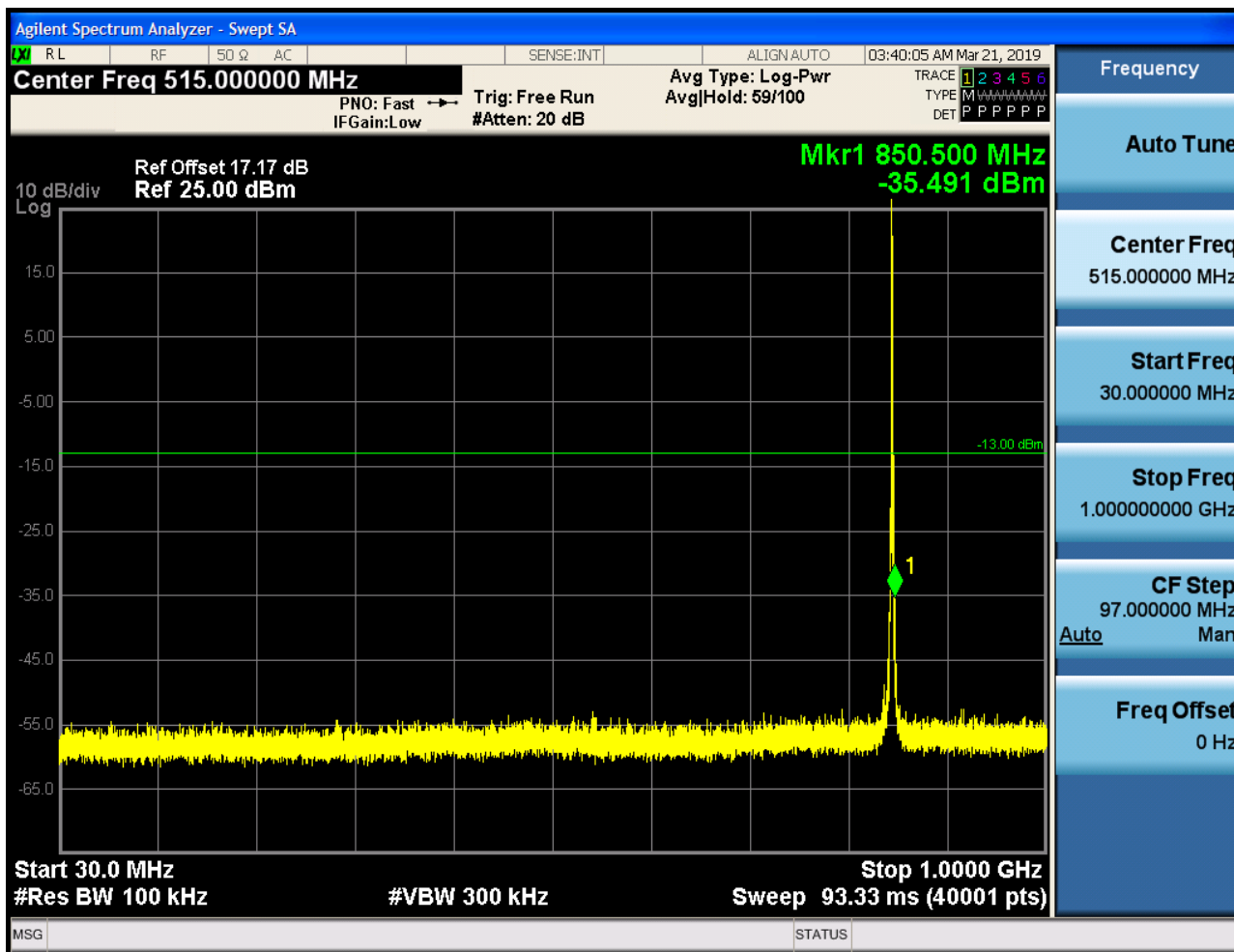


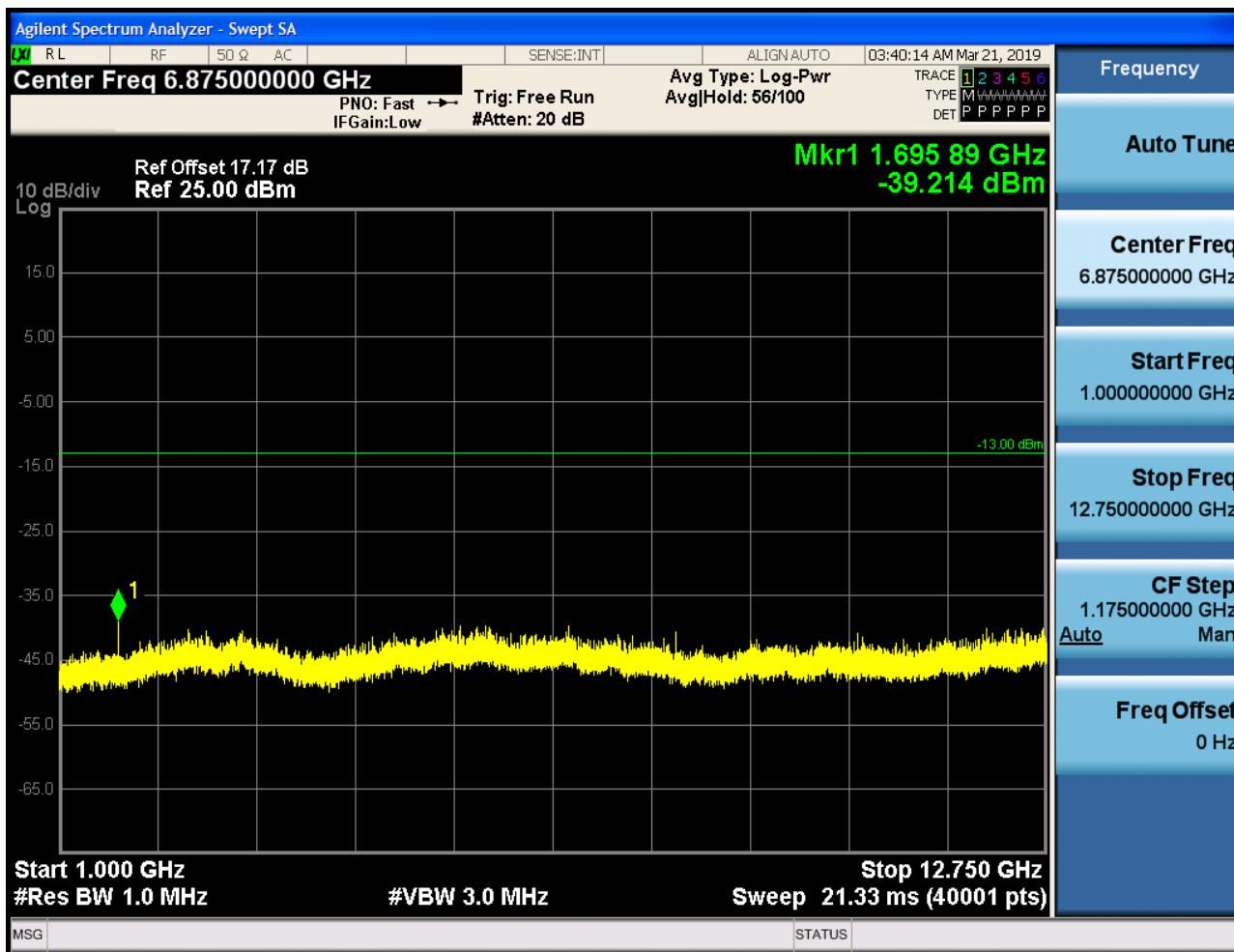
### 6.2.1.2.1.3 Test Channel = HCH

#### 6.2.1.2.1.3.1 Test RB = RB1#0





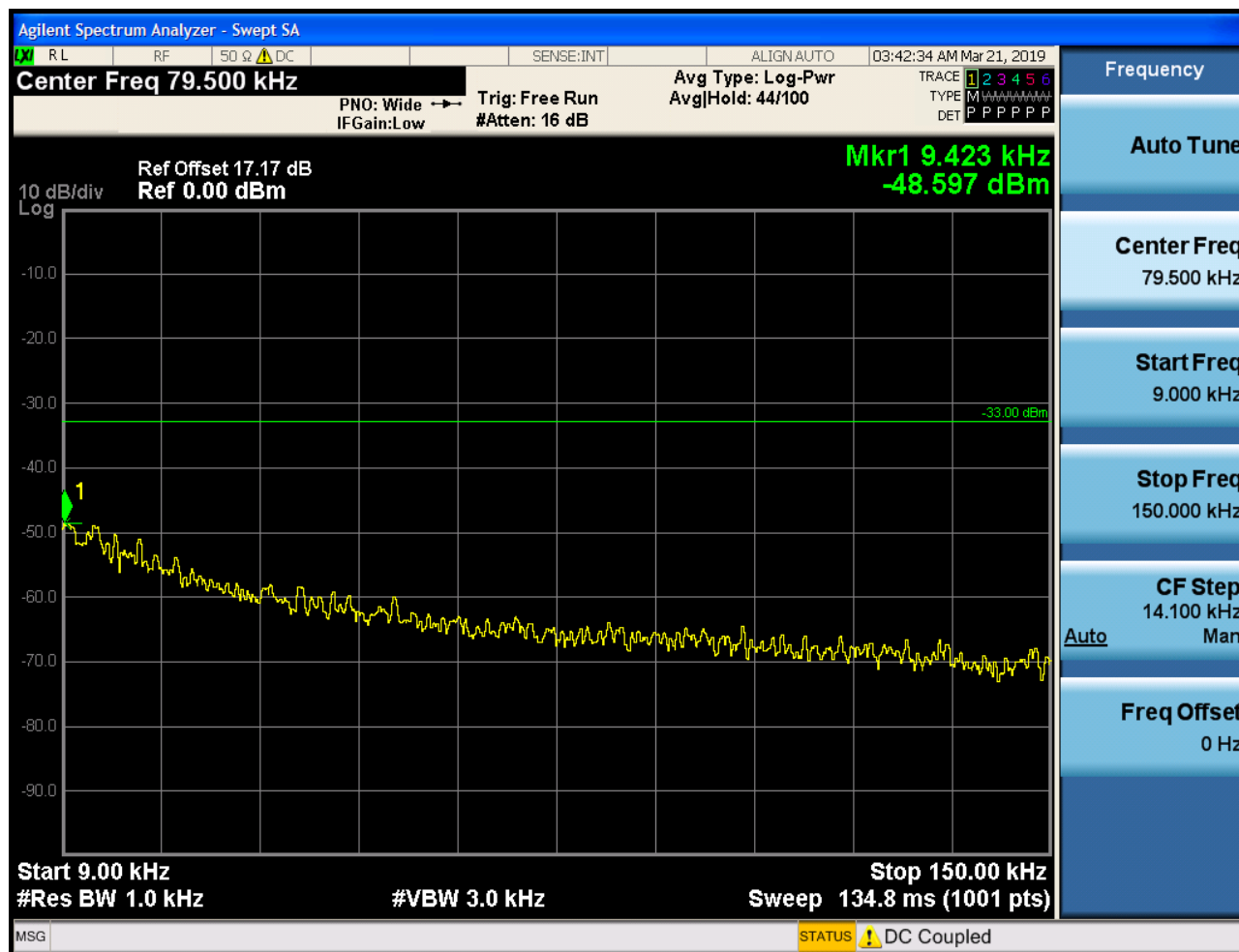


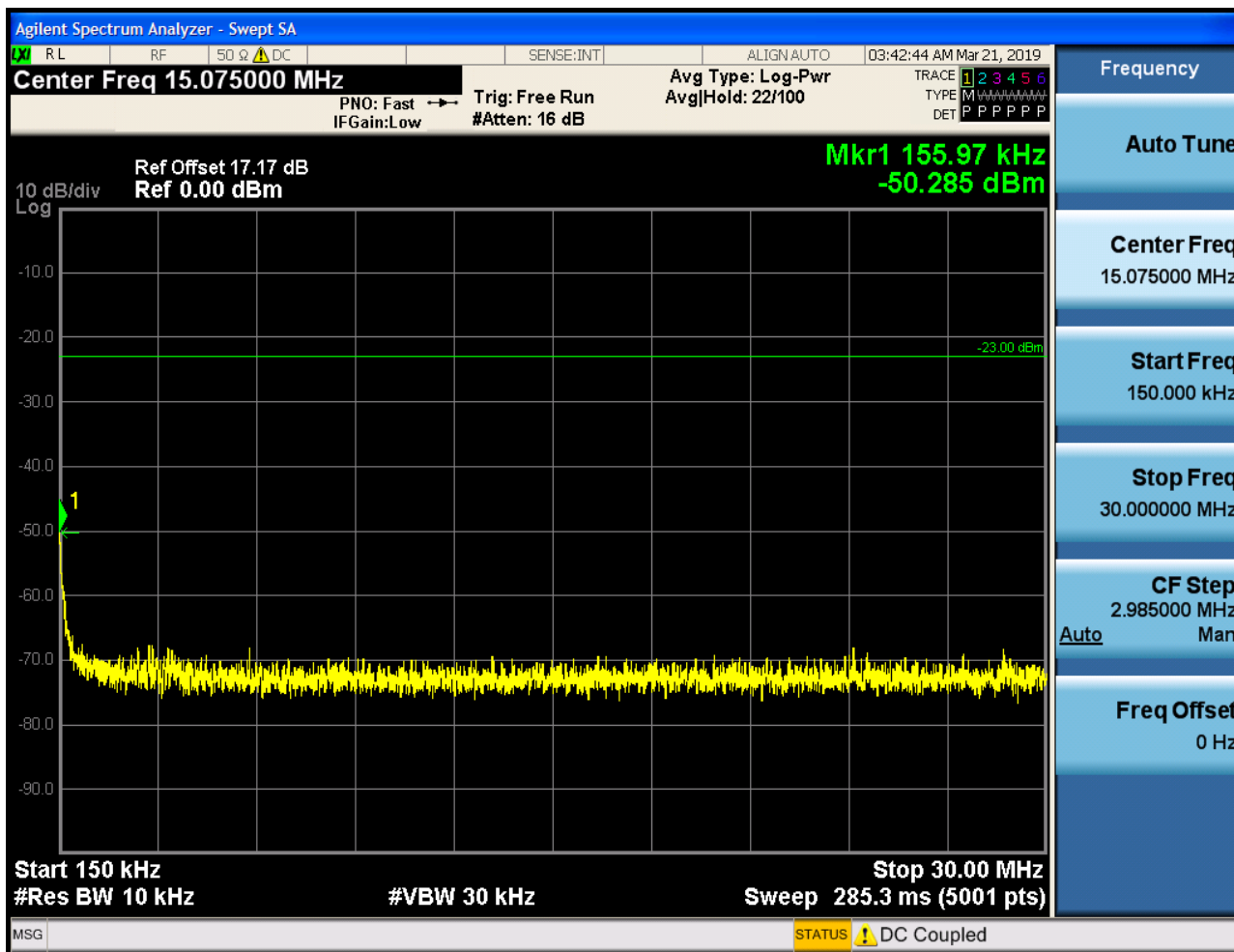


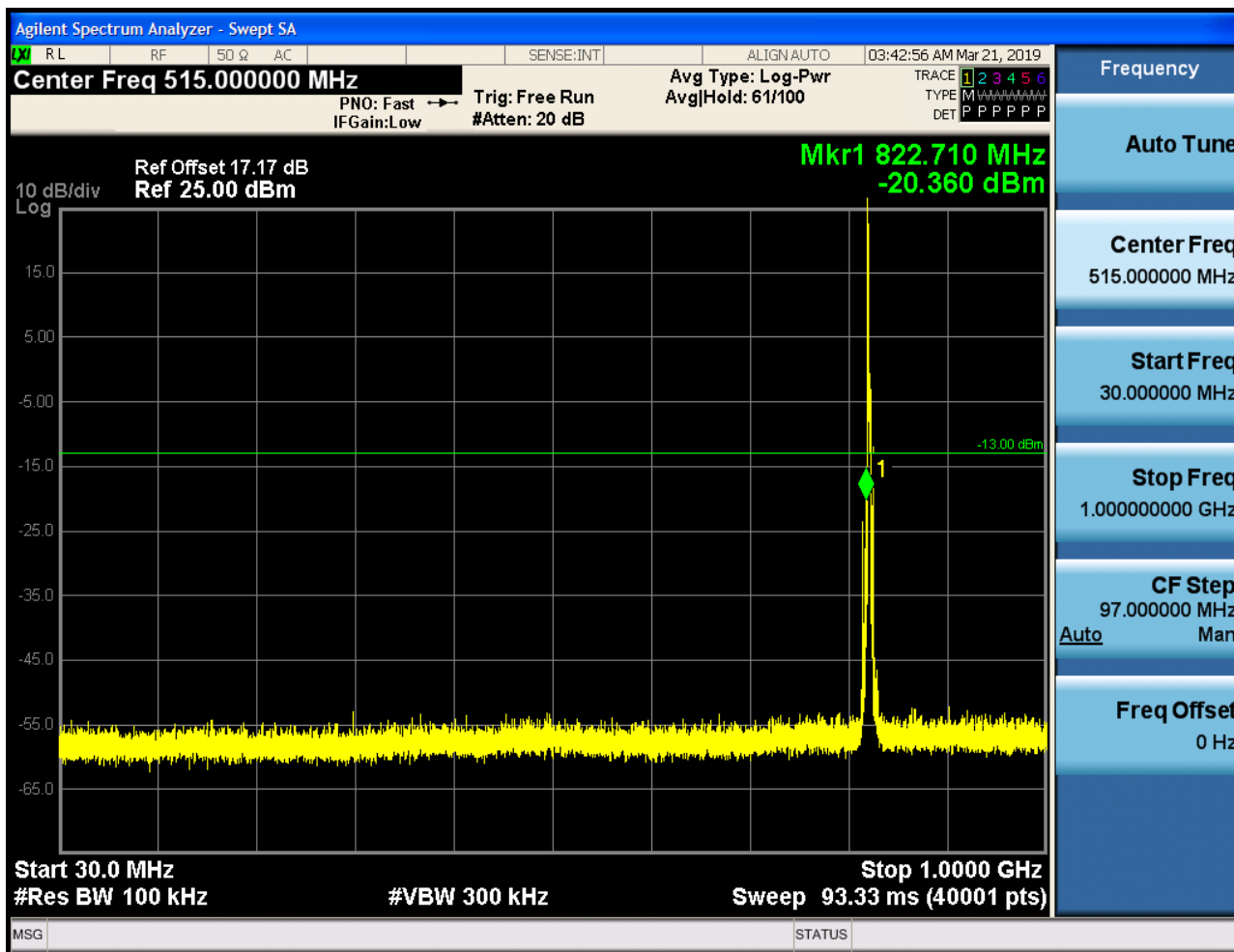
### 6.2.1.2.2 Test Bandwidth = 3

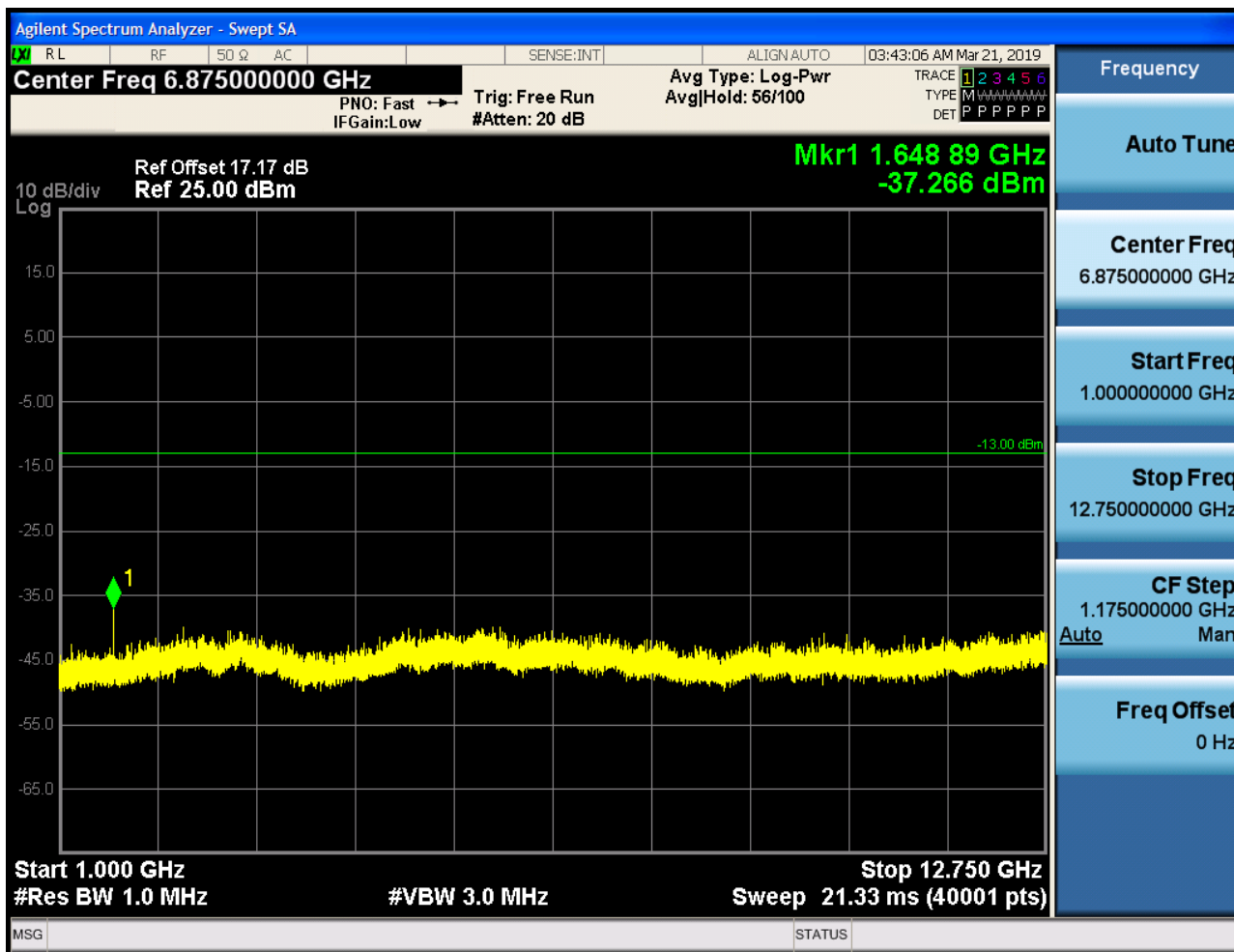
#### 6.2.1.2.2.1 Test Channel = LCH

##### 6.2.1.2.2.1.1 Test RB = RB1#0





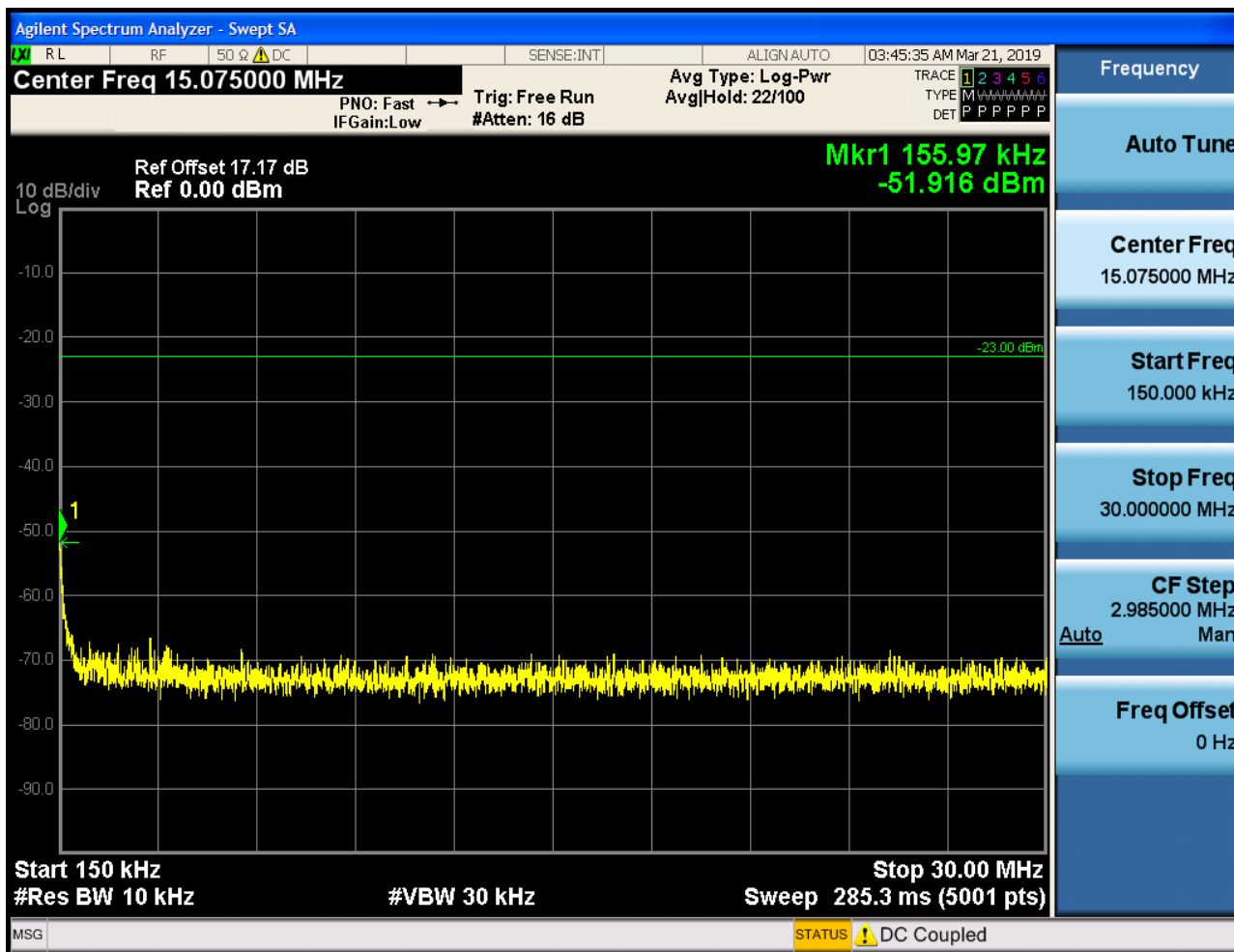


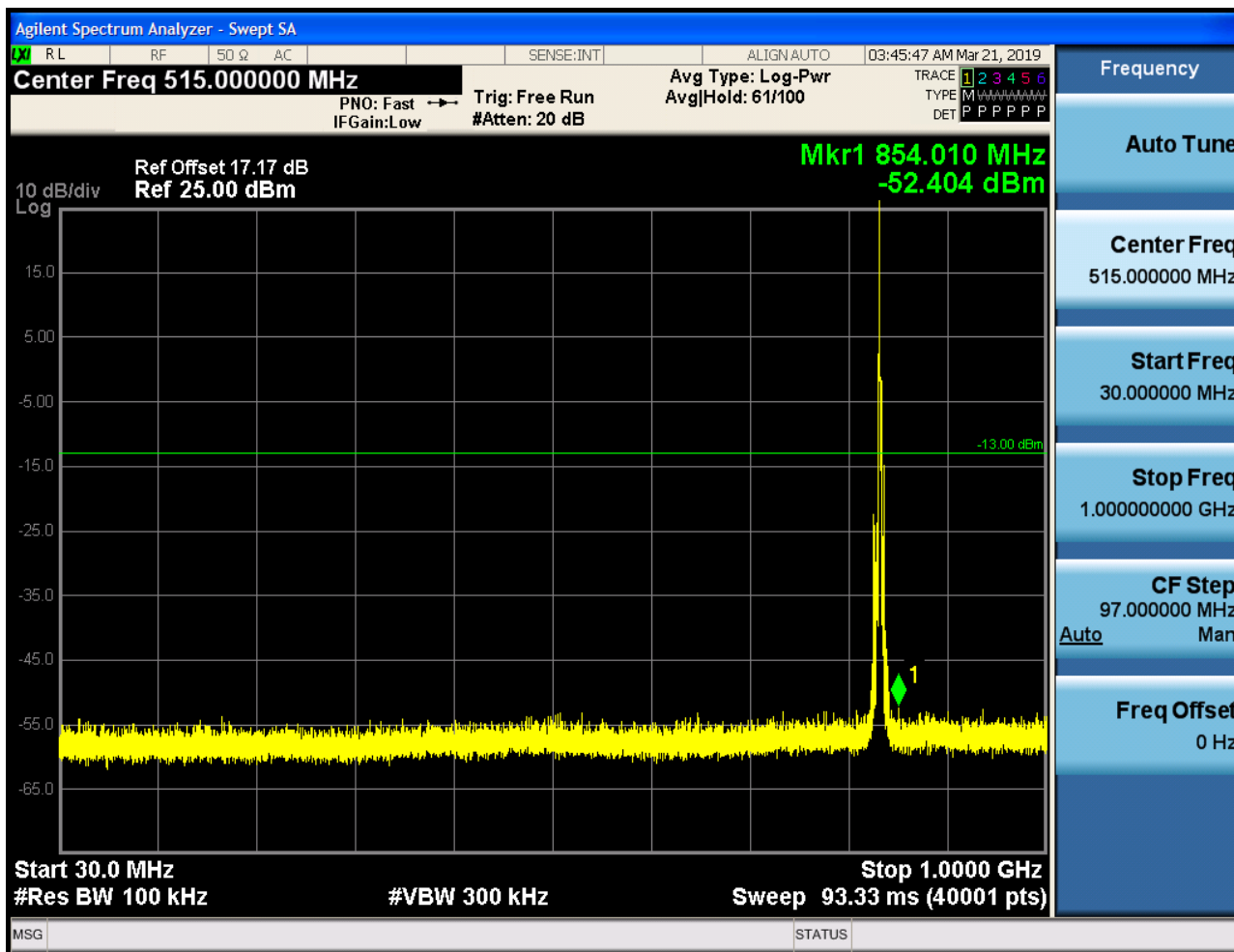


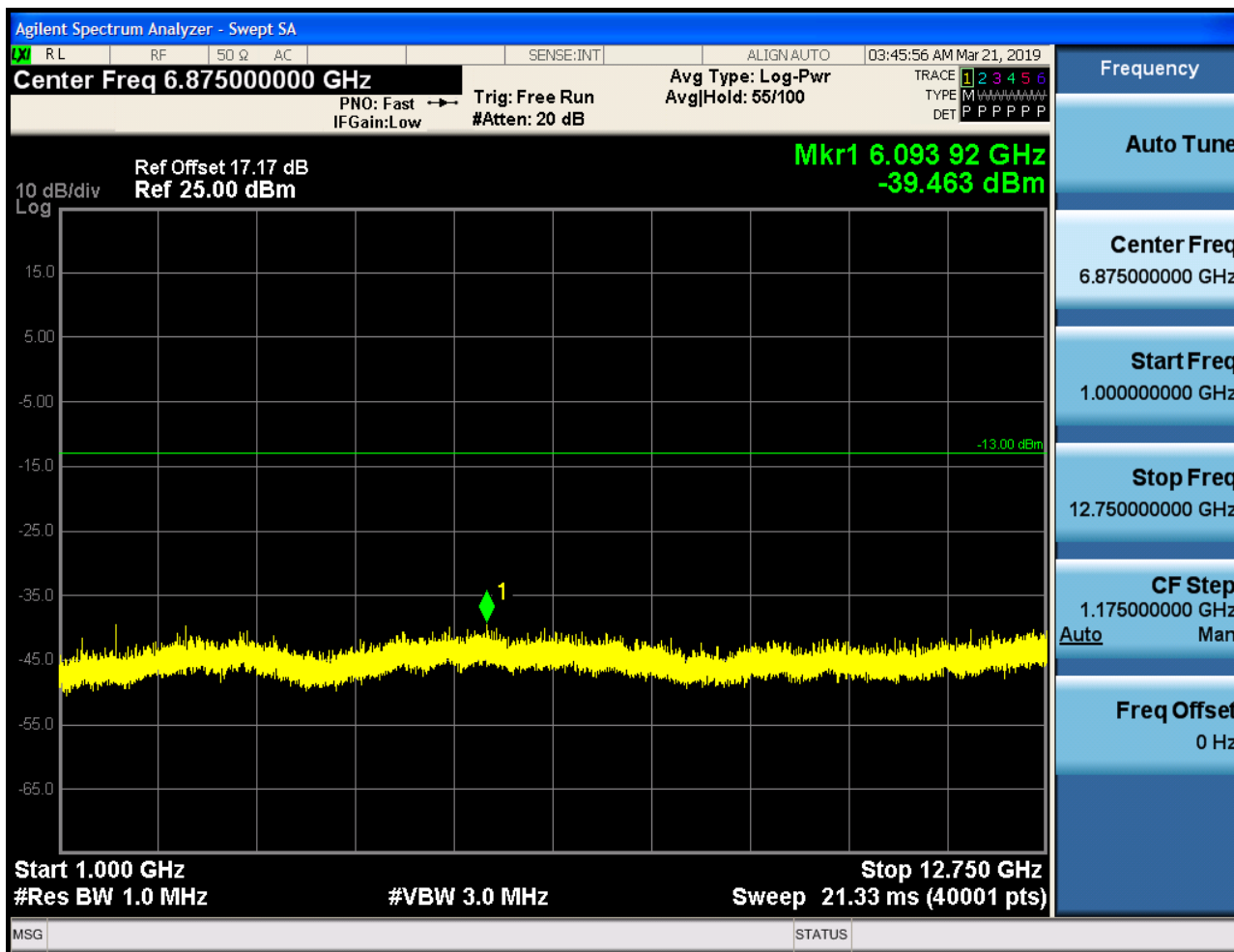
## 6.2.1.2.2.2 Test Channel = MCH

### 6.2.1.2.2.2.1 Test RB = RB1#0



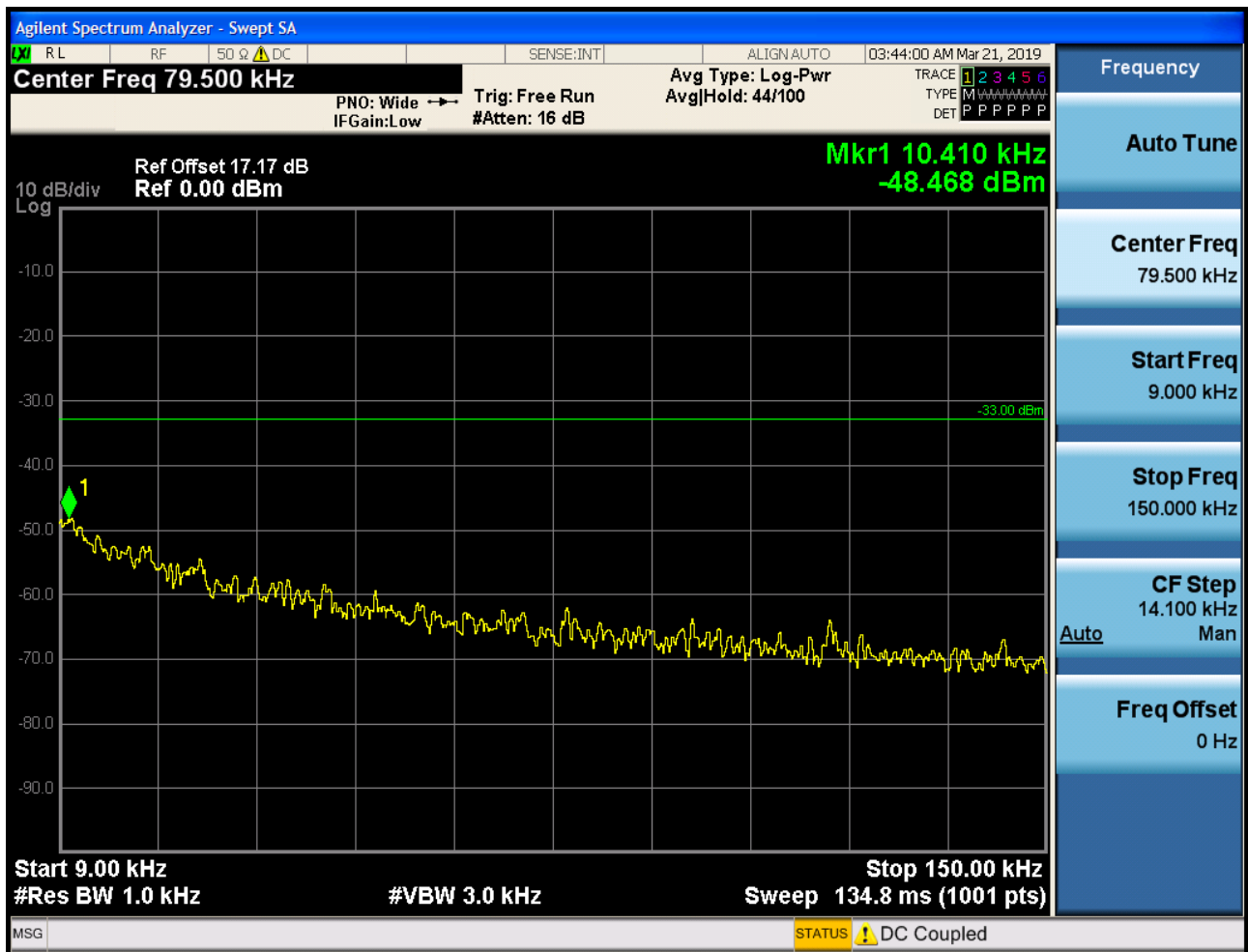


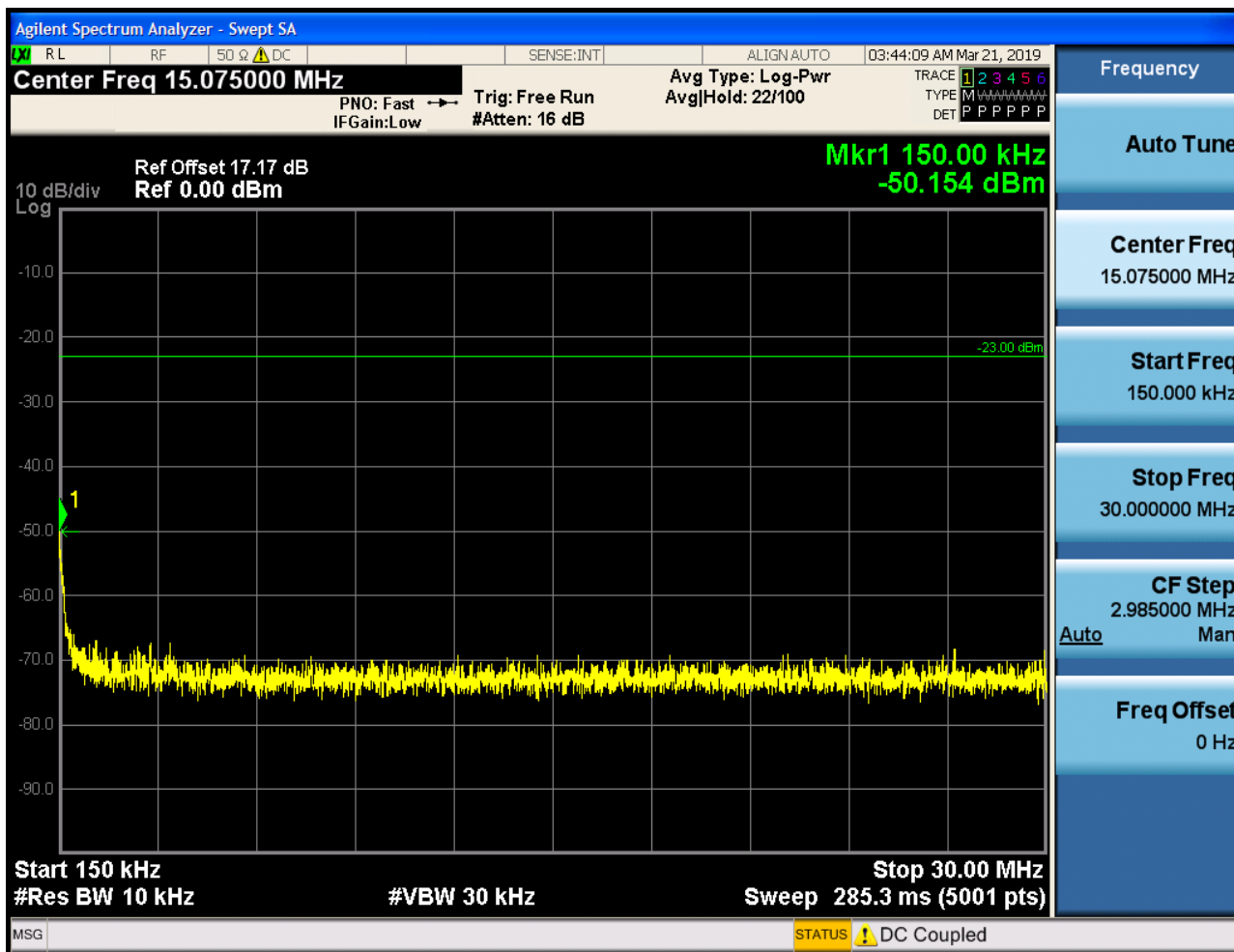


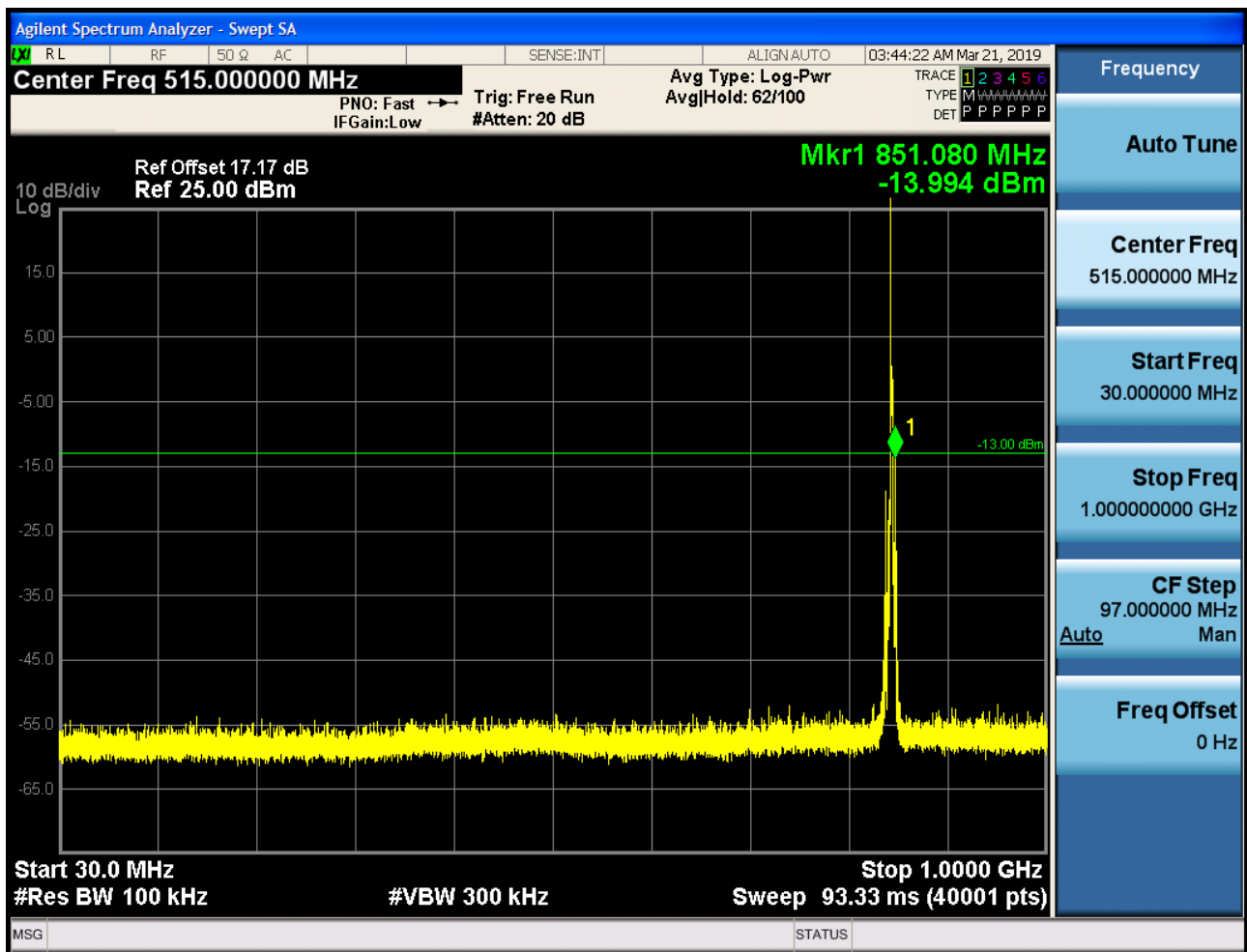


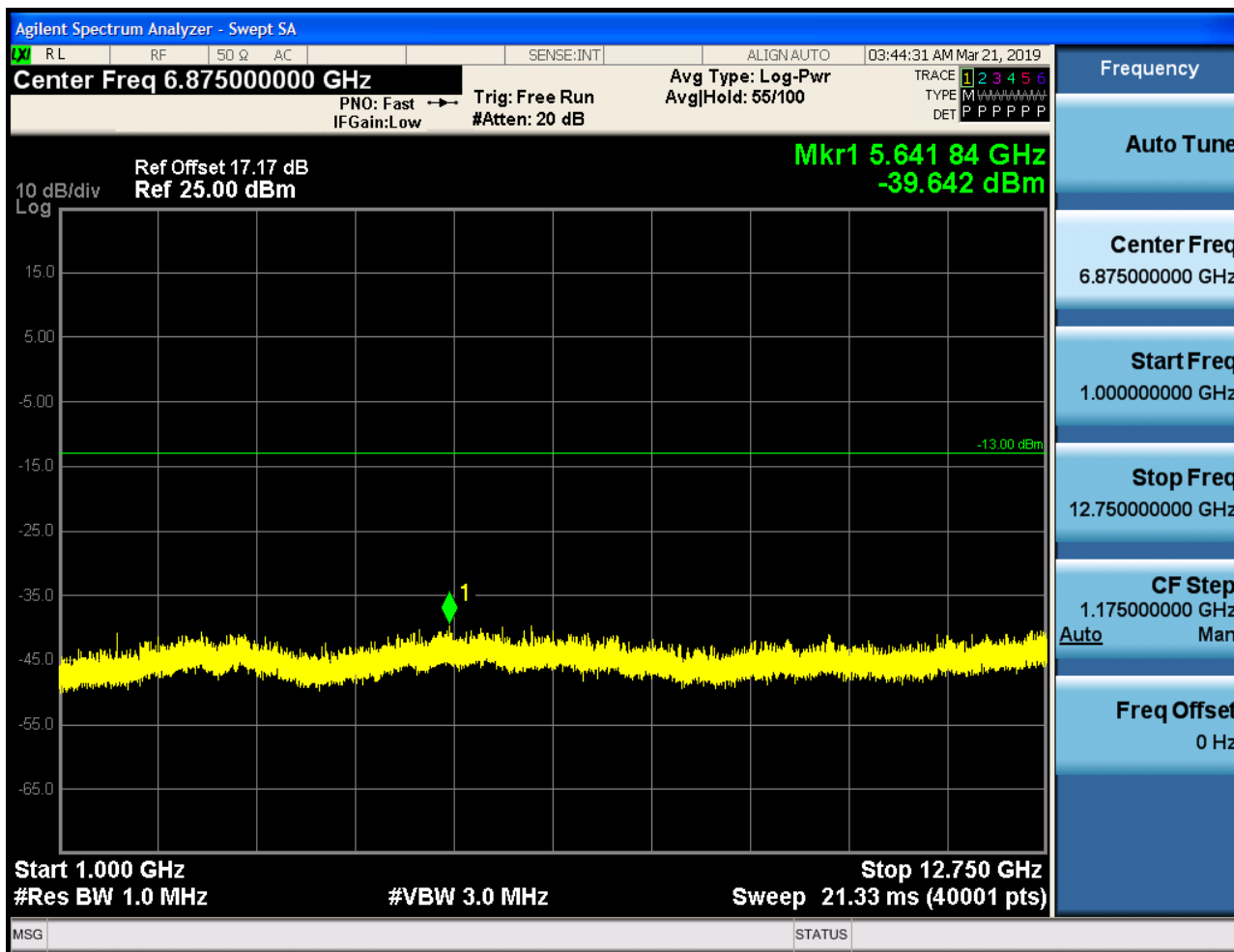
### 6.2.1.2.2.3 Test Channel = HCH

#### 6.2.1.2.2.3.1 Test RB = RB1#0





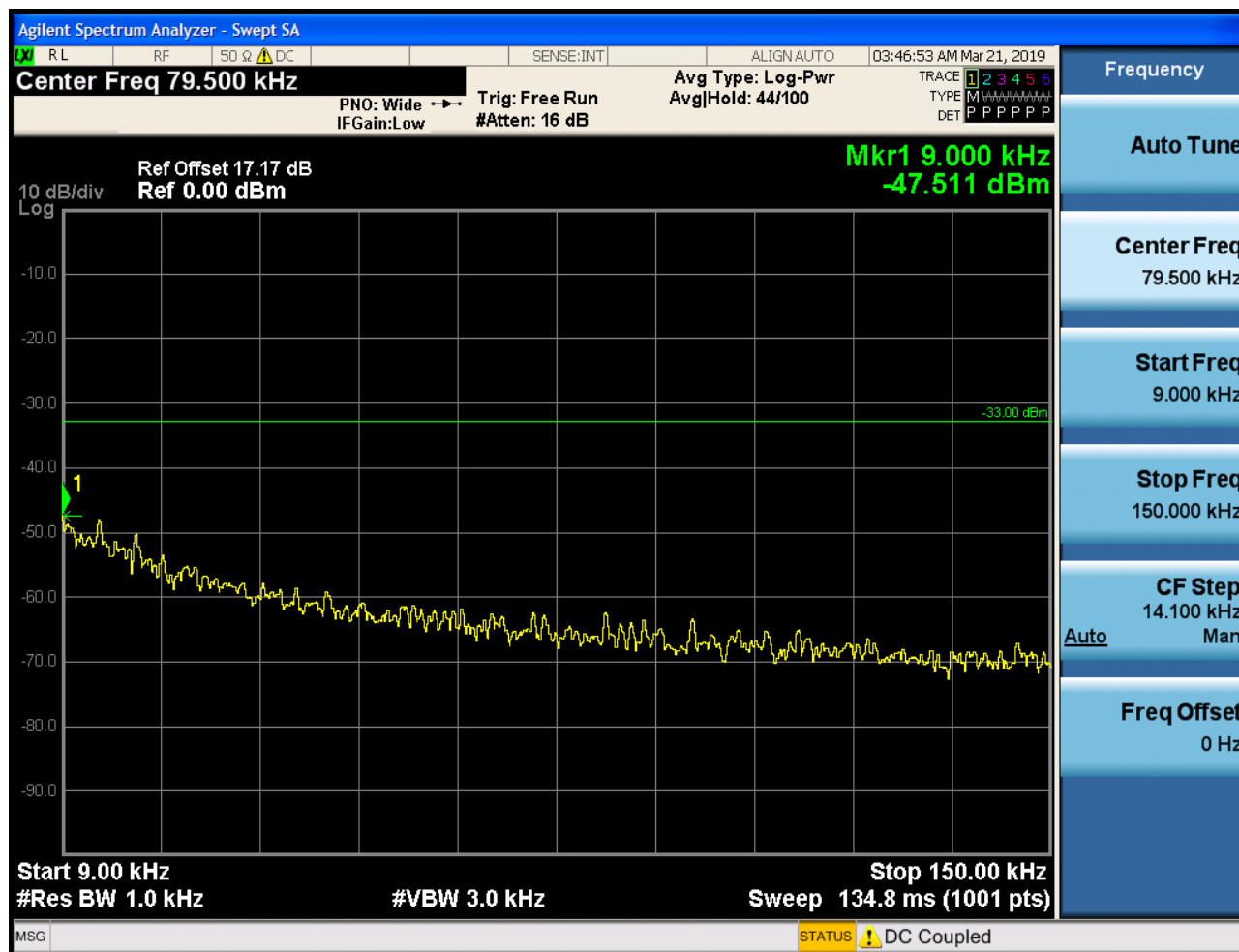


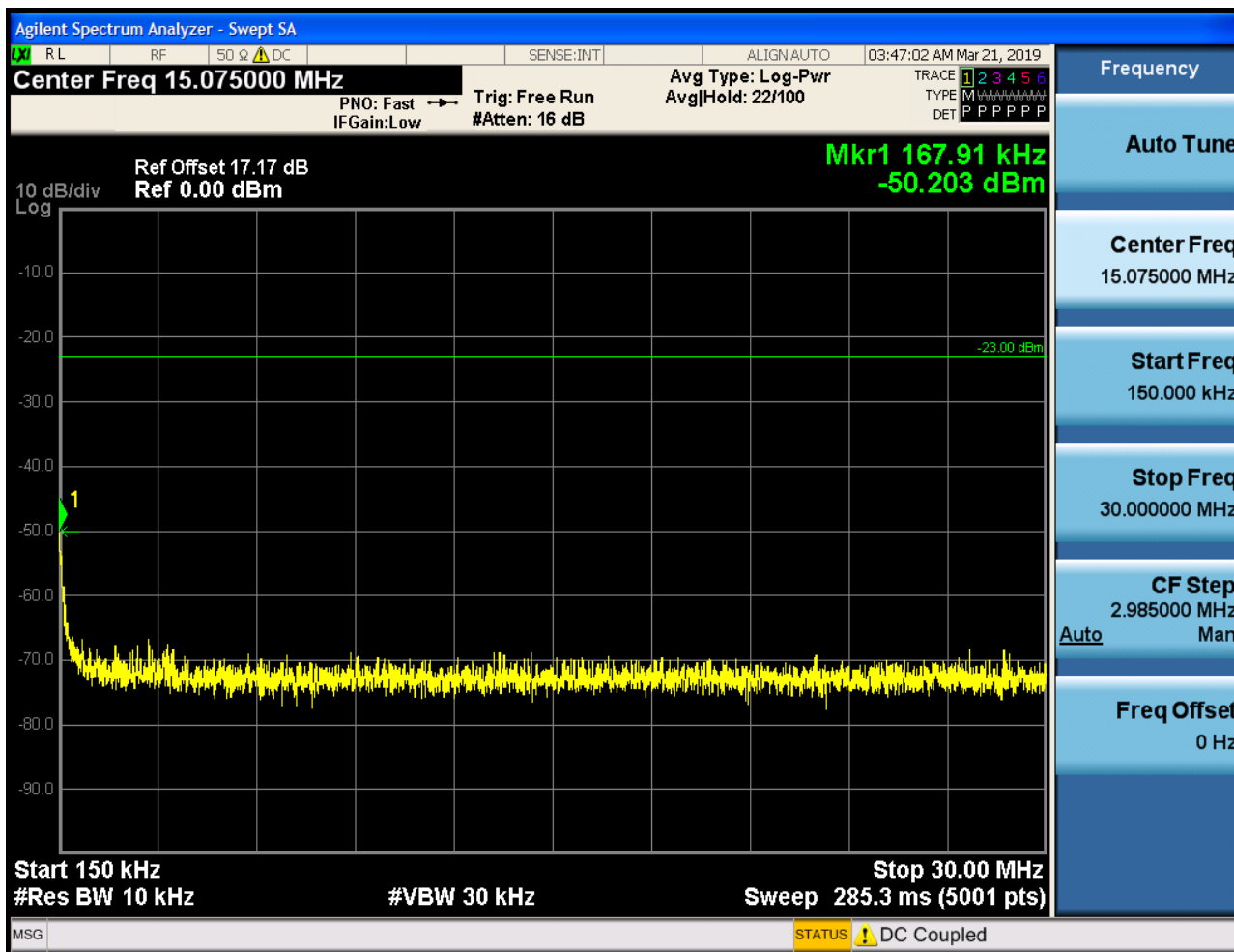


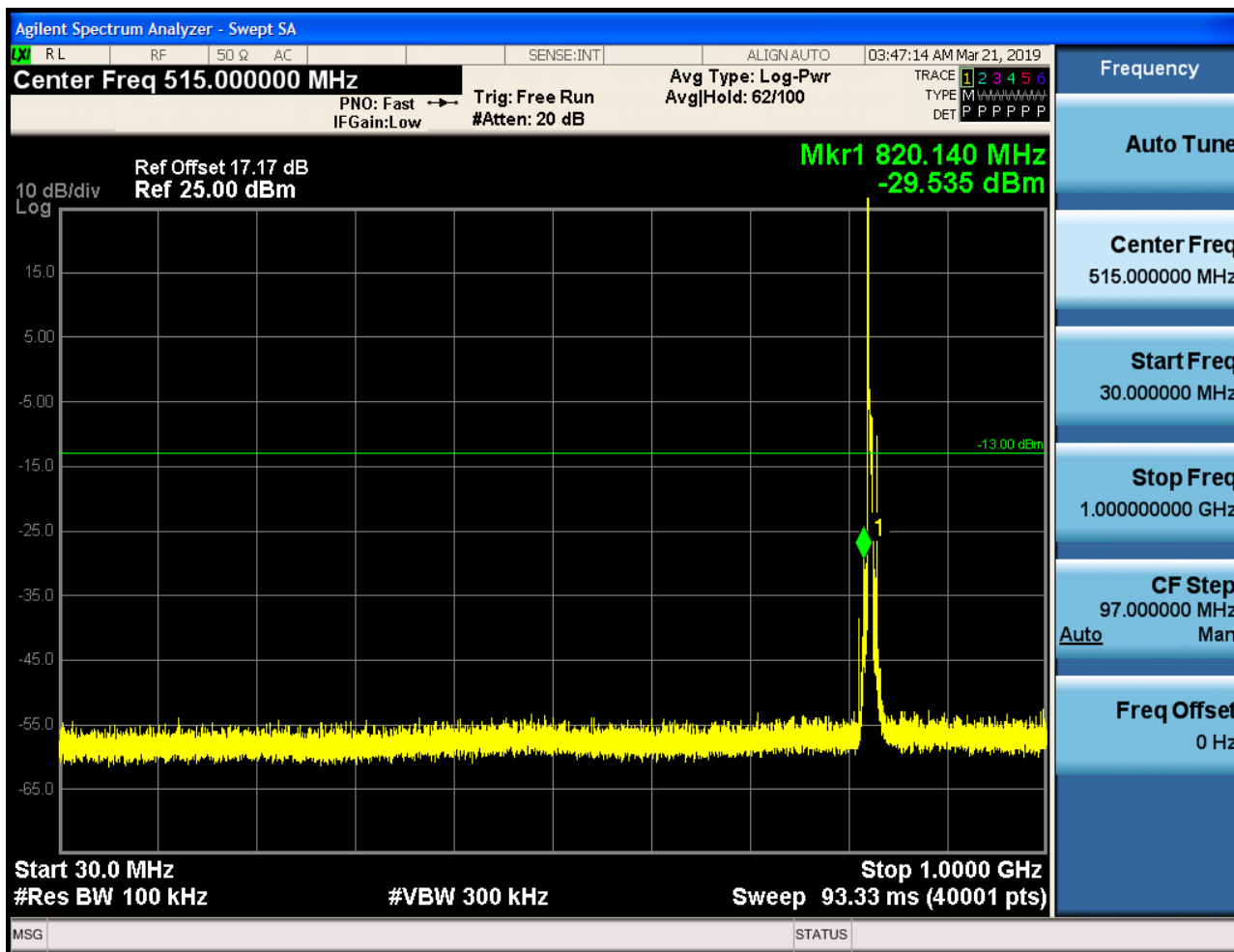
### 6.2.1.2.3 Test Bandwidth = 5

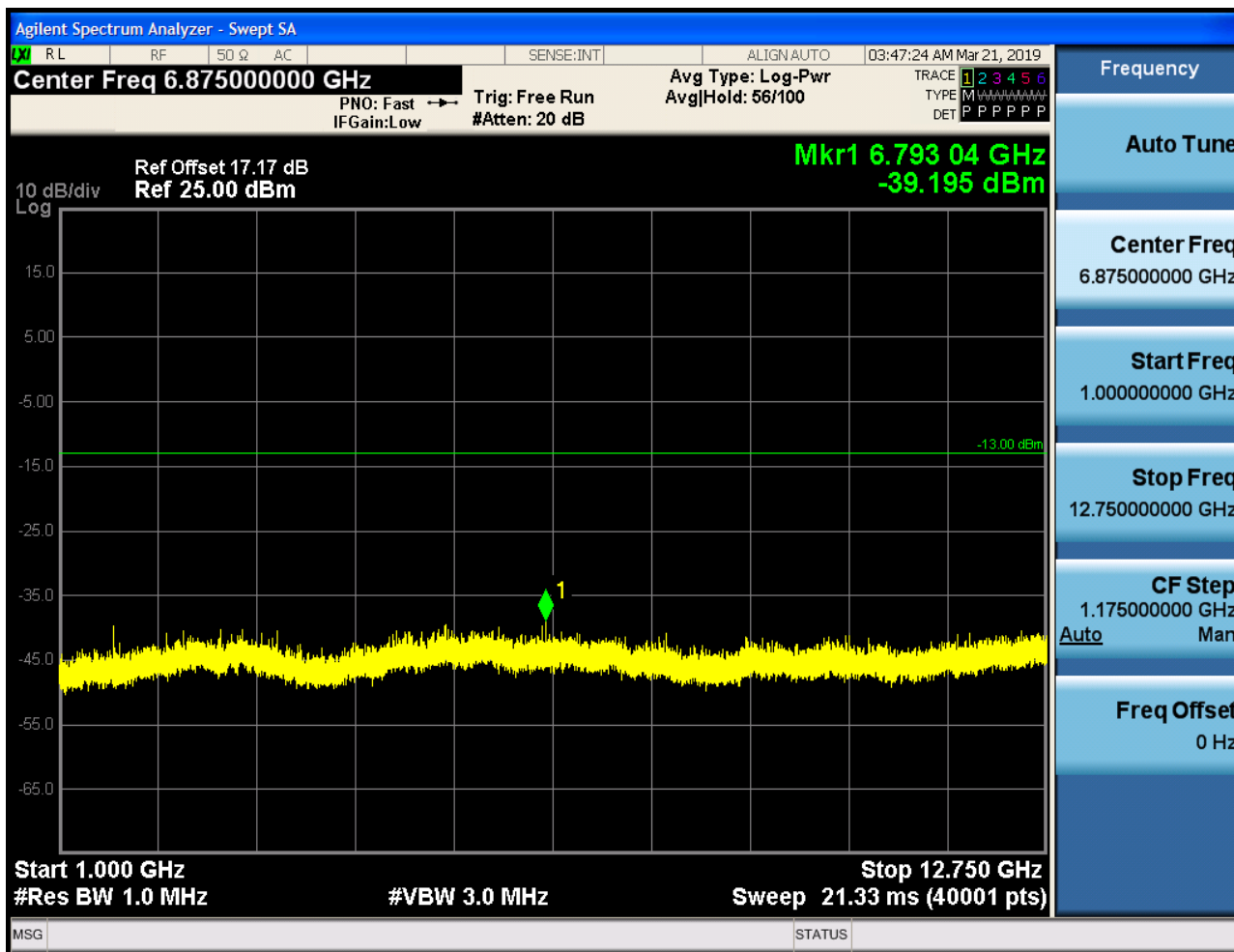
#### 6.2.1.2.3.1 Test Channel = LCH

##### 6.2.1.2.3.1.1 Test RB = RB1#0



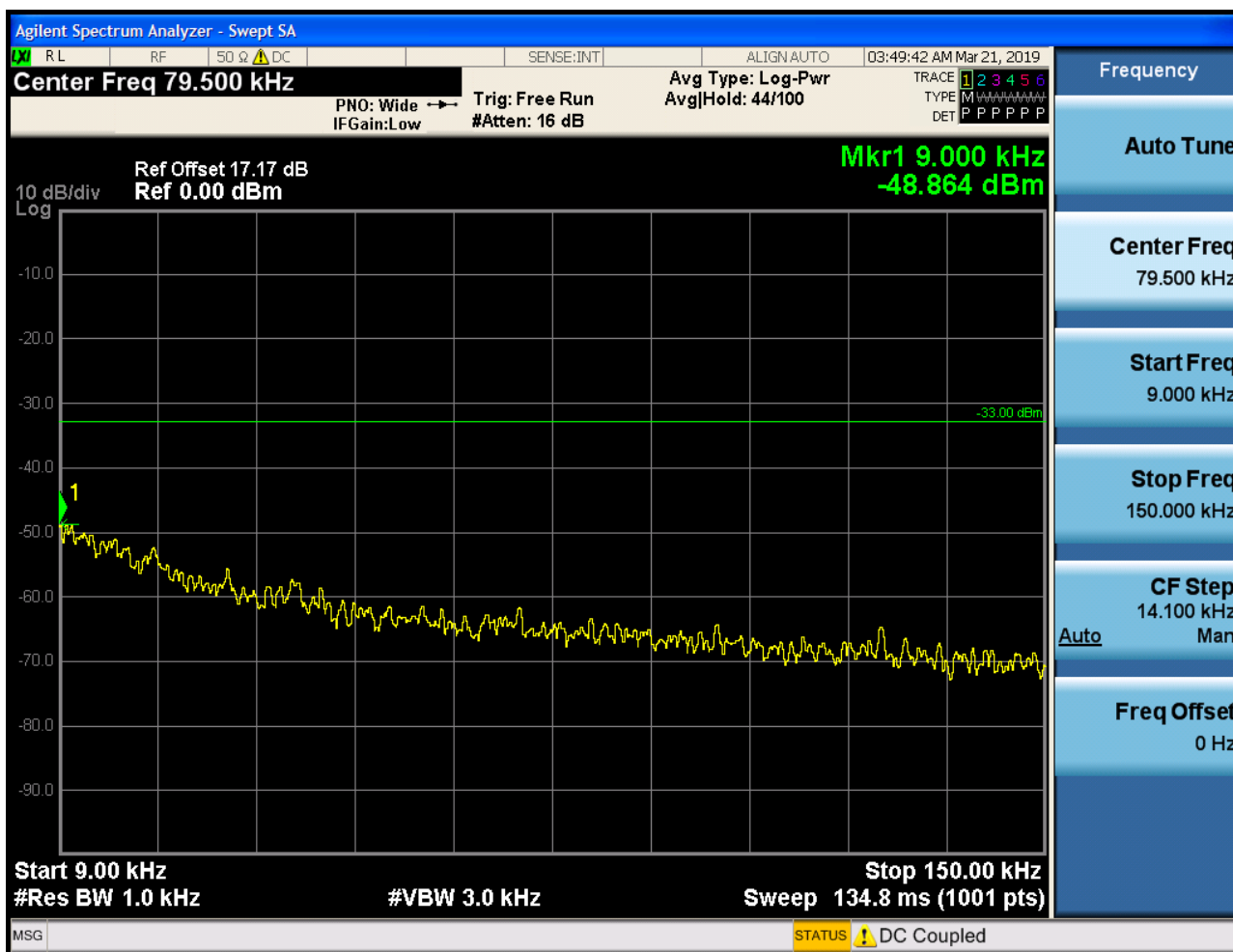


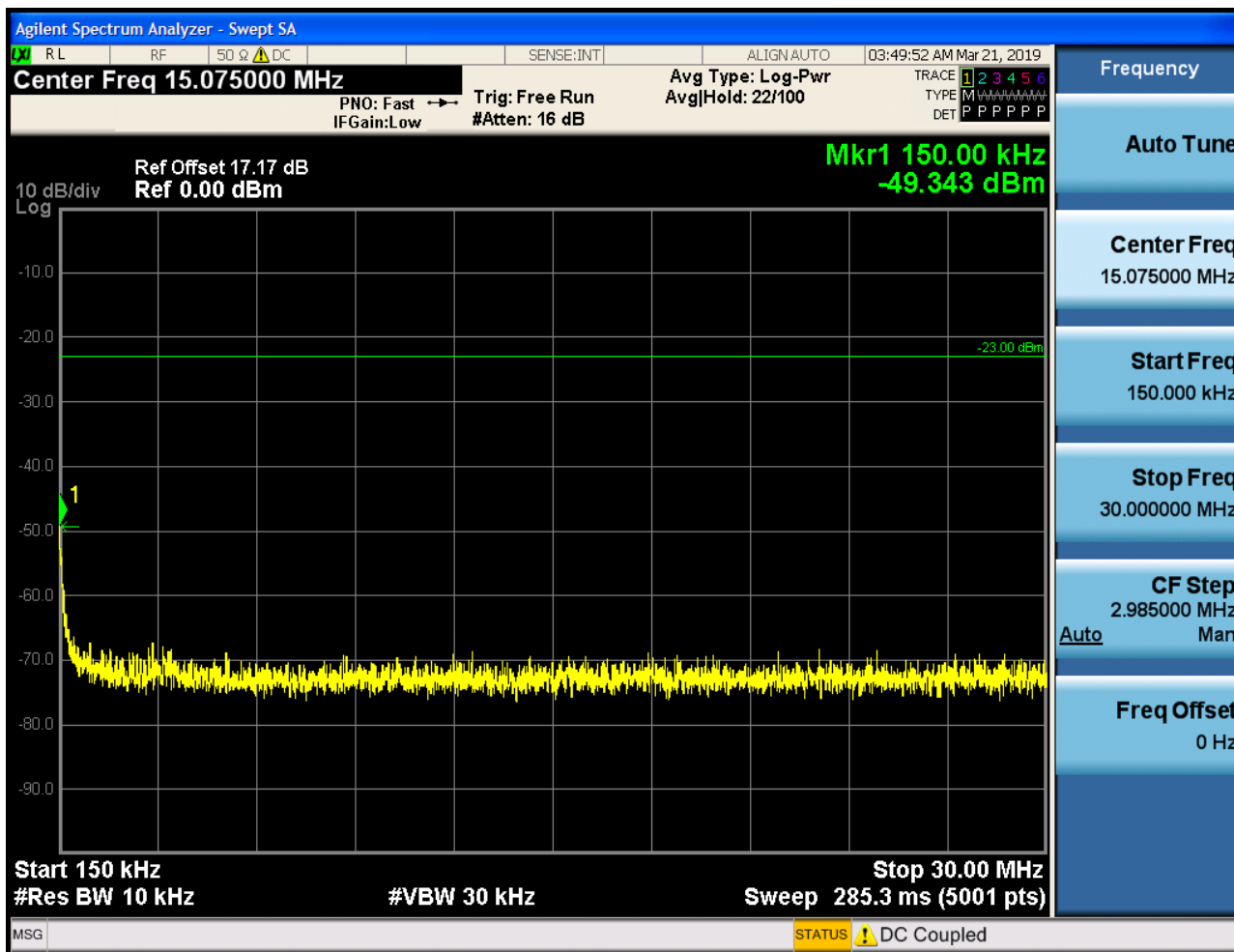


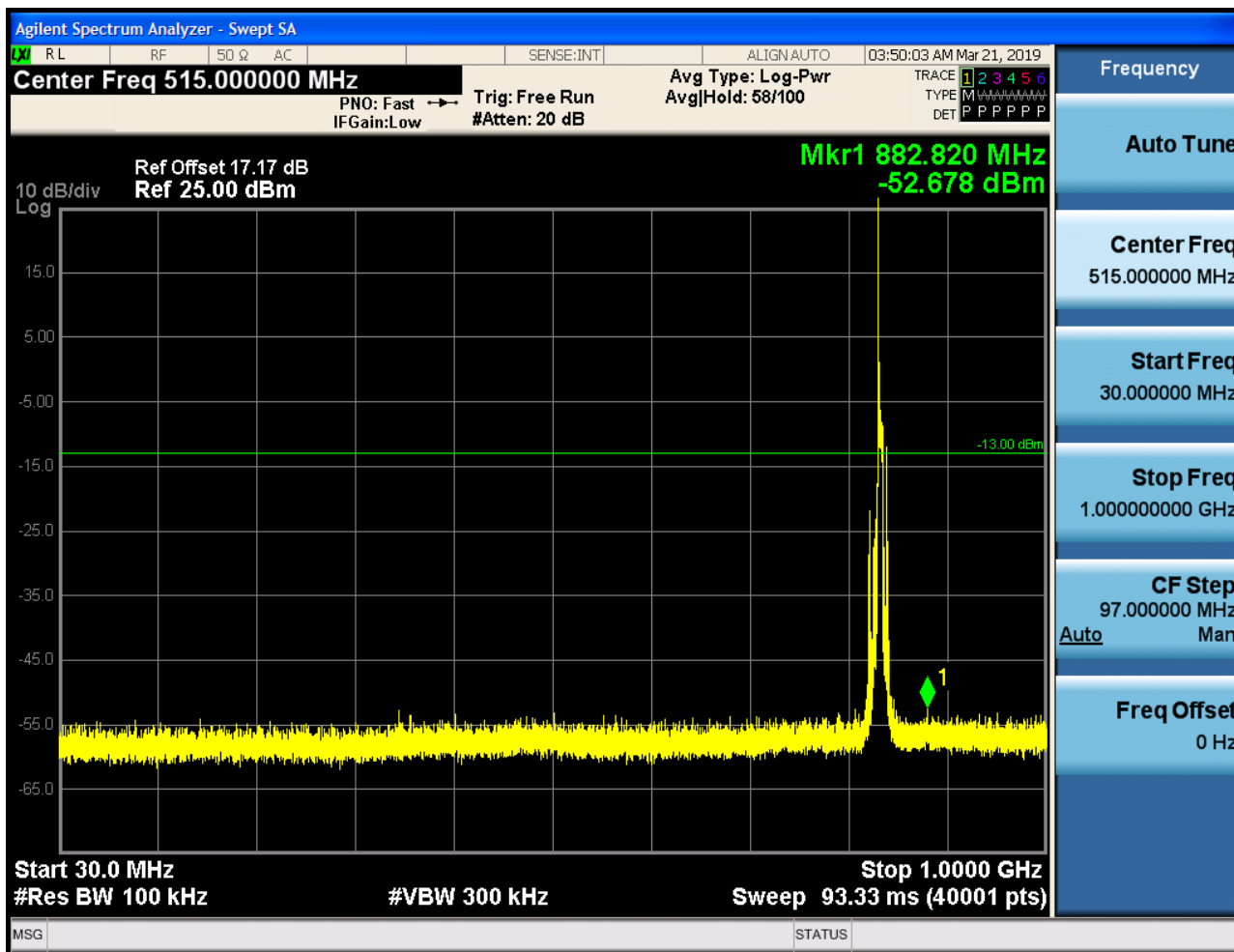


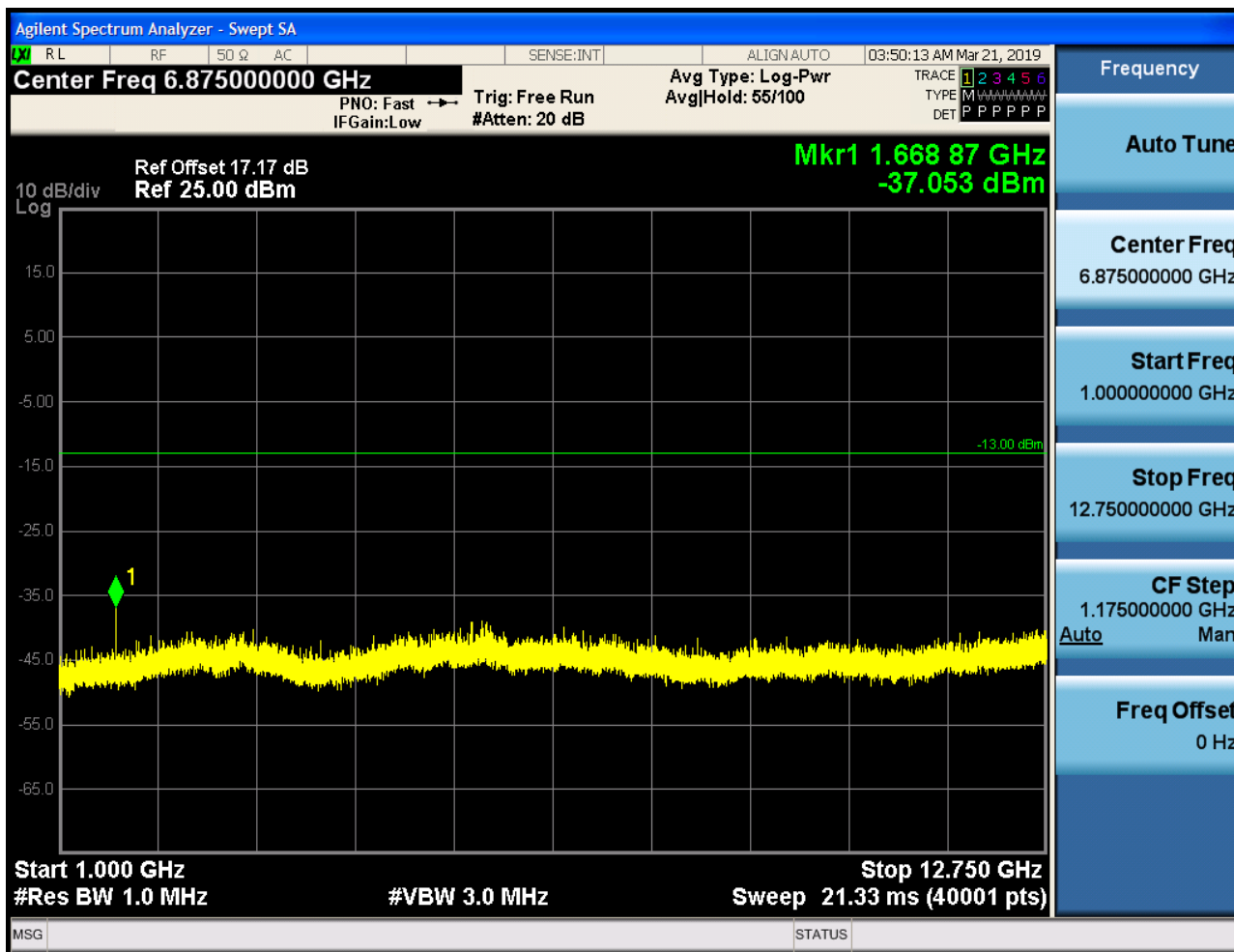
### 6.2.1.2.3.2 Test Channel = MCH

#### 6.2.1.2.3.2.1 Test RB = RB1#0



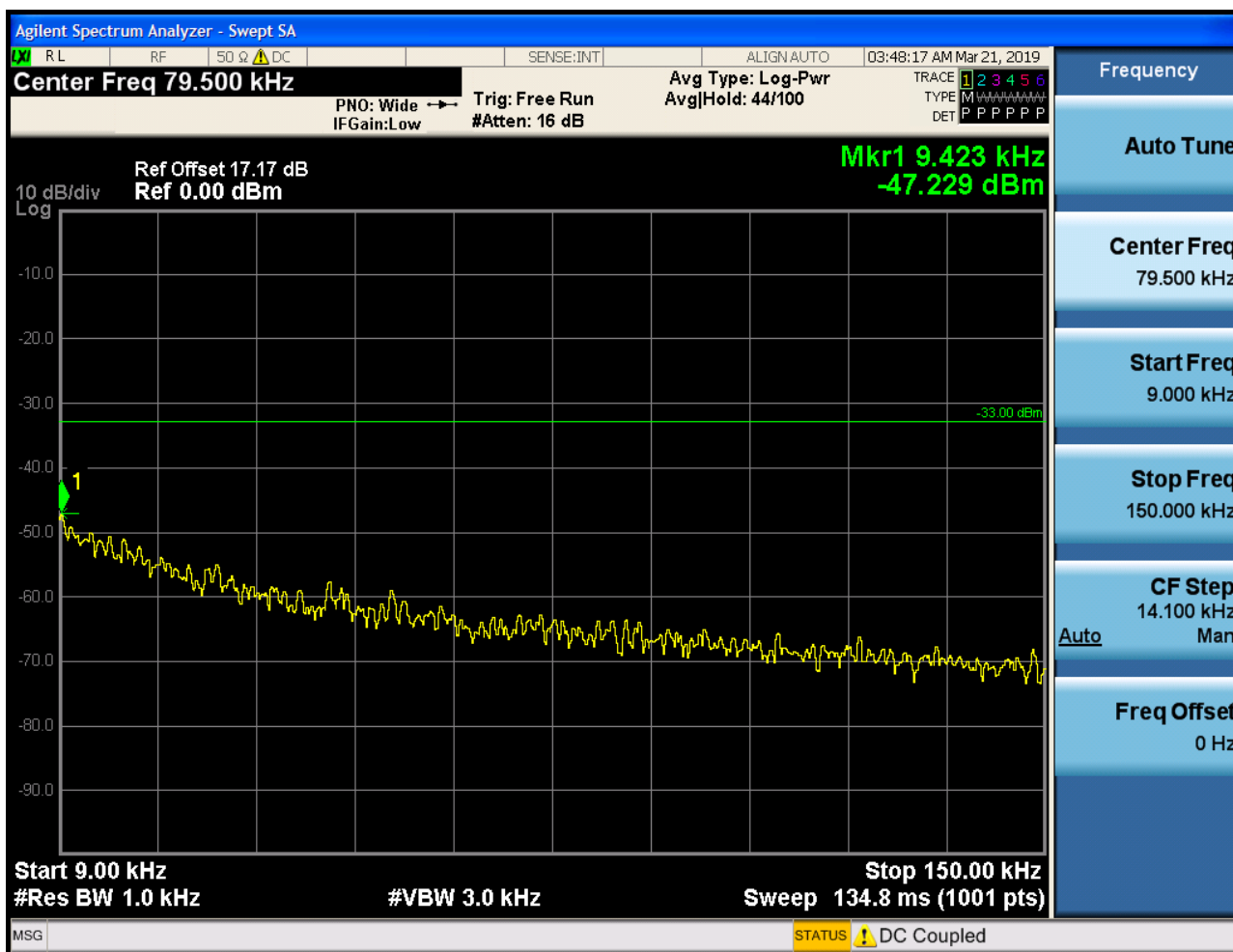


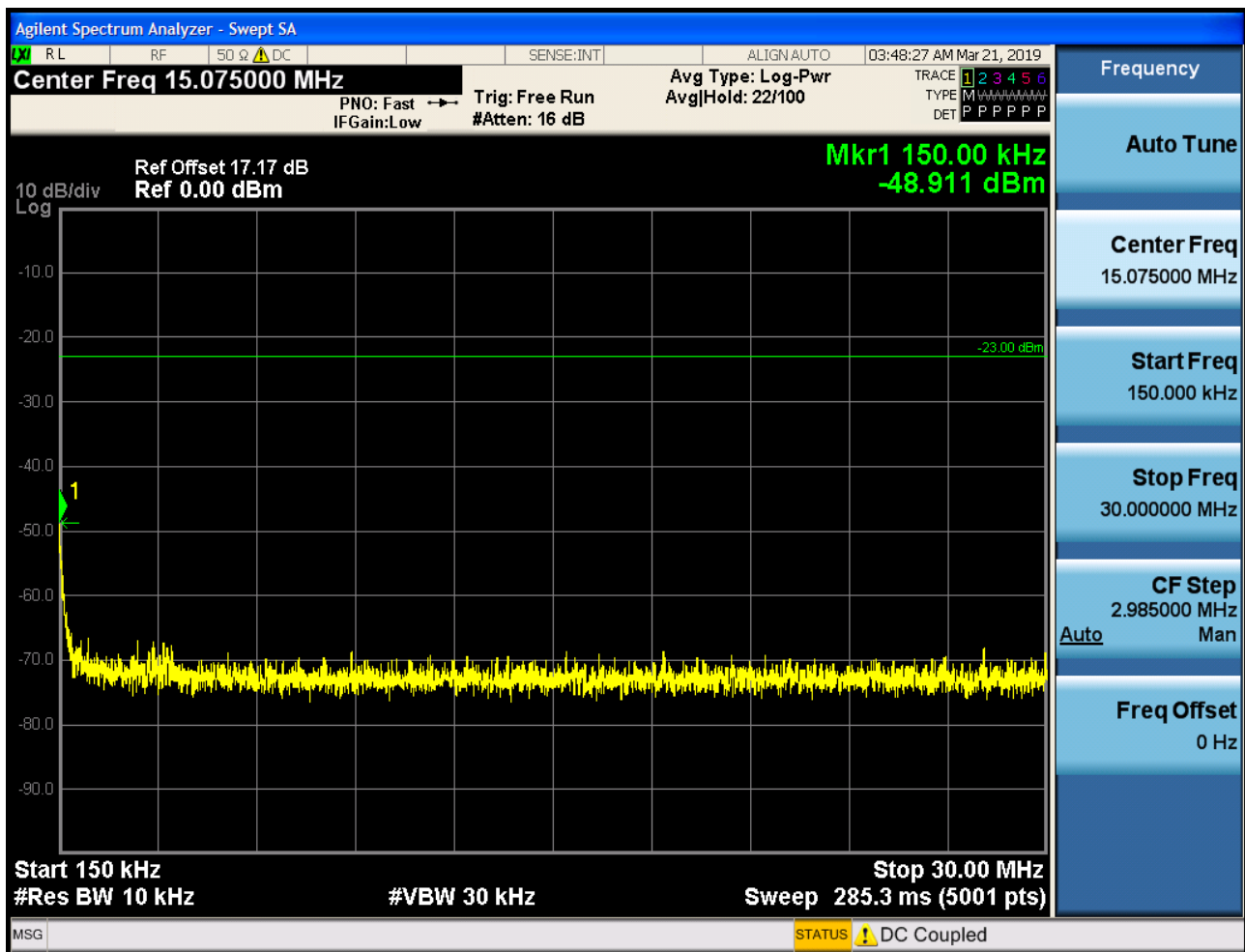


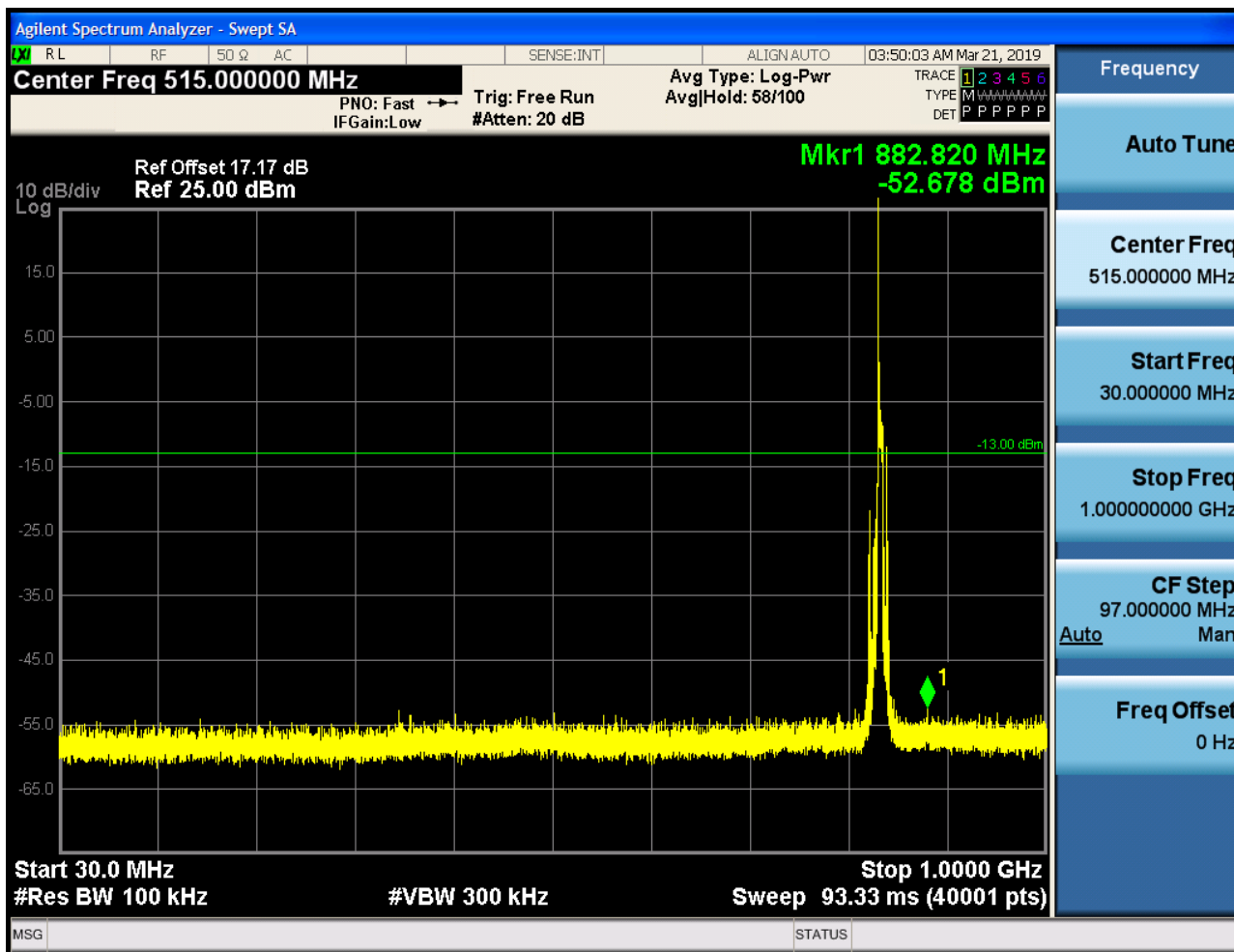


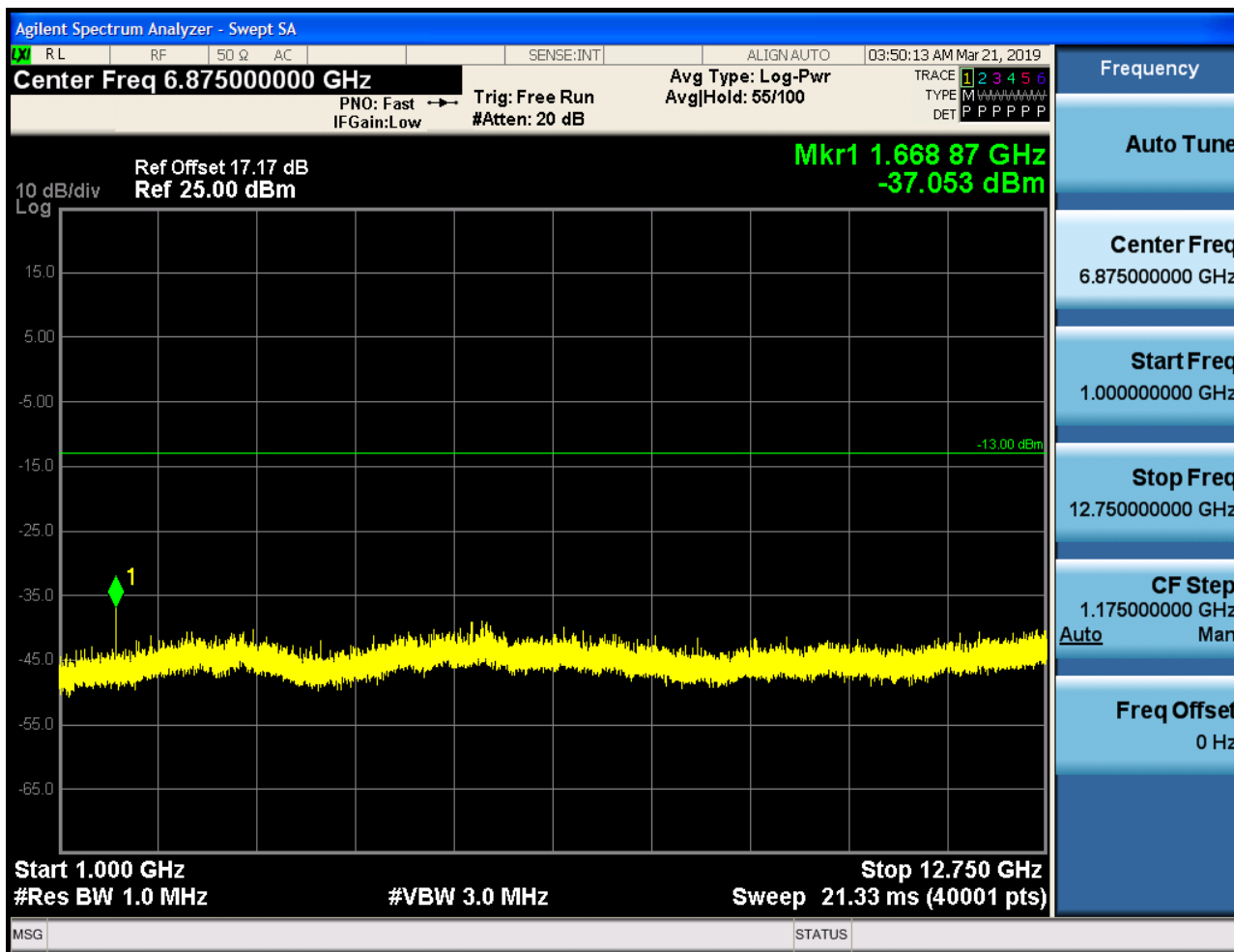
### 6.2.1.2.3.3 Test Channel = HCH

#### 6.2.1.2.3.3.1 Test RB = RB1#0





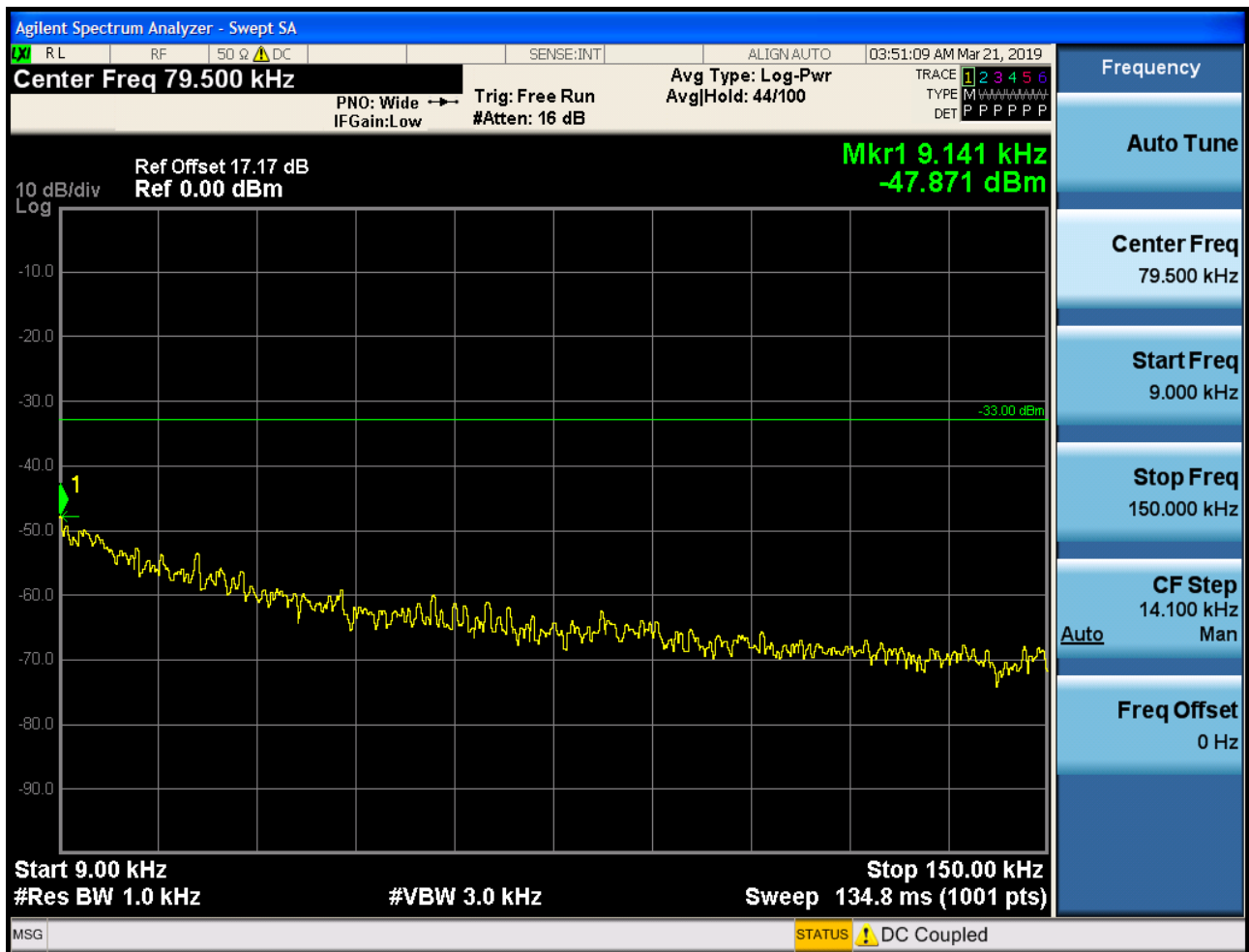


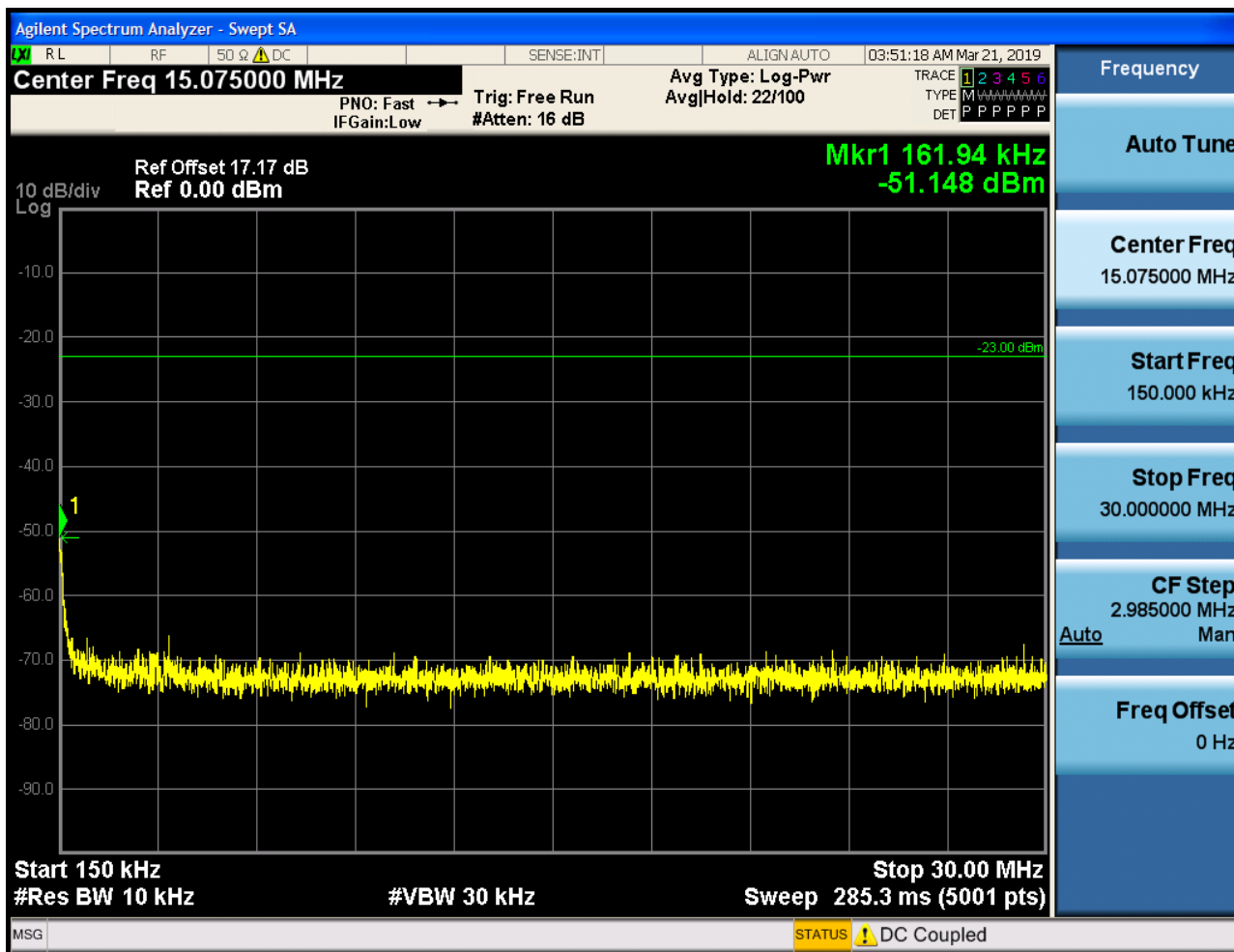


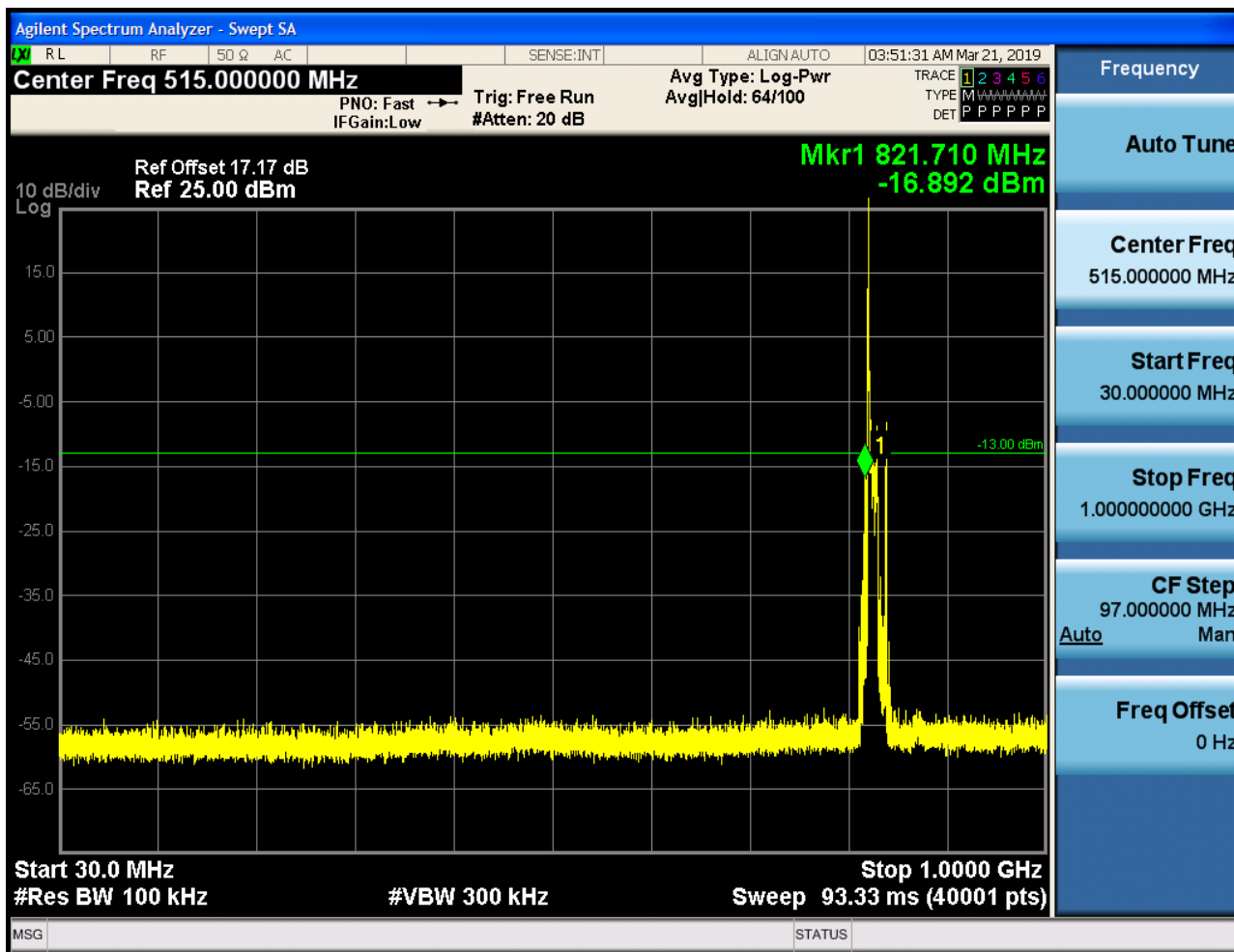
### 6.2.1.2.4 Test Bandwidth = 10

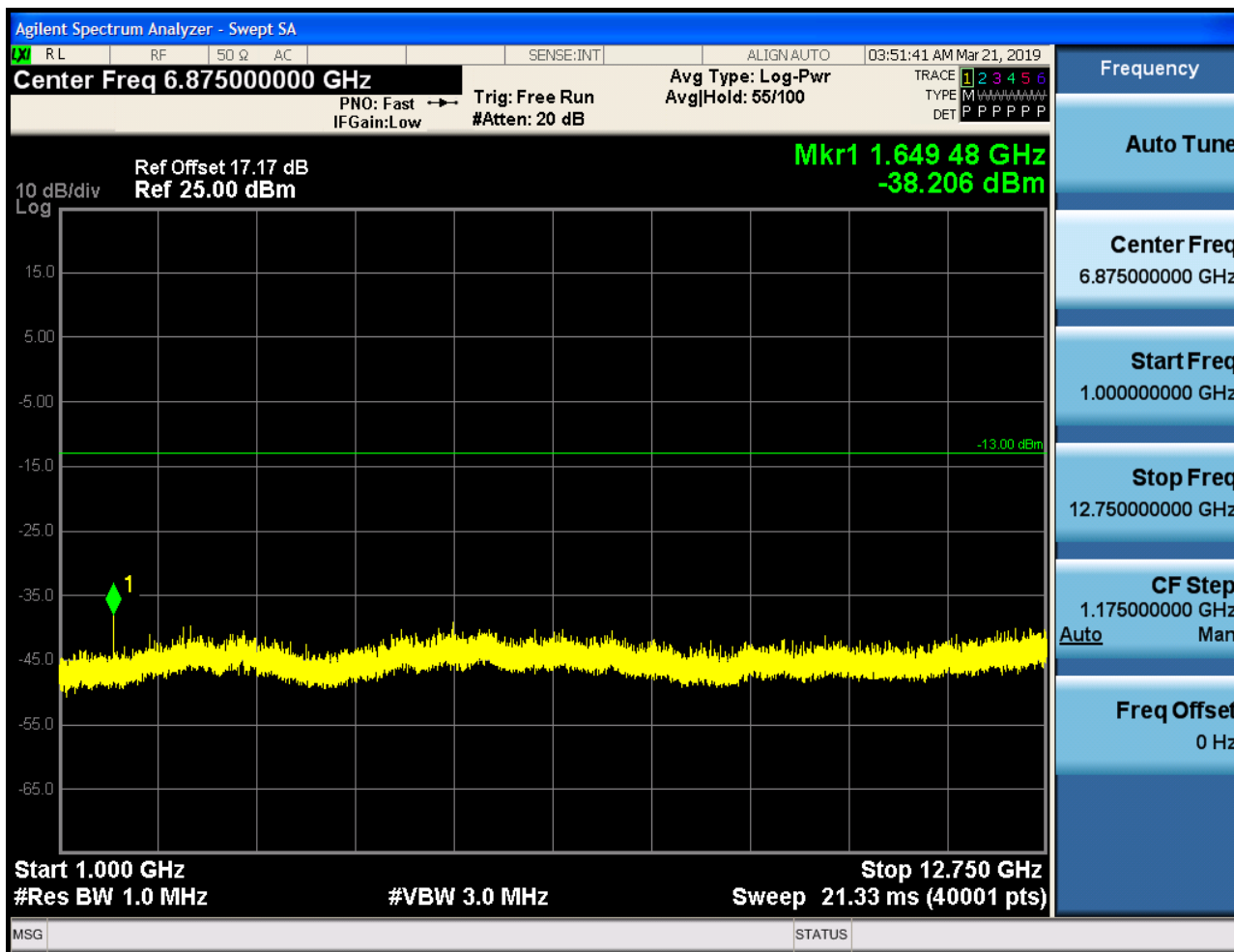
#### 6.2.1.2.4.1 Test Channel = LCH

##### 6.2.1.2.4.1.1 Test RB = RB1#0





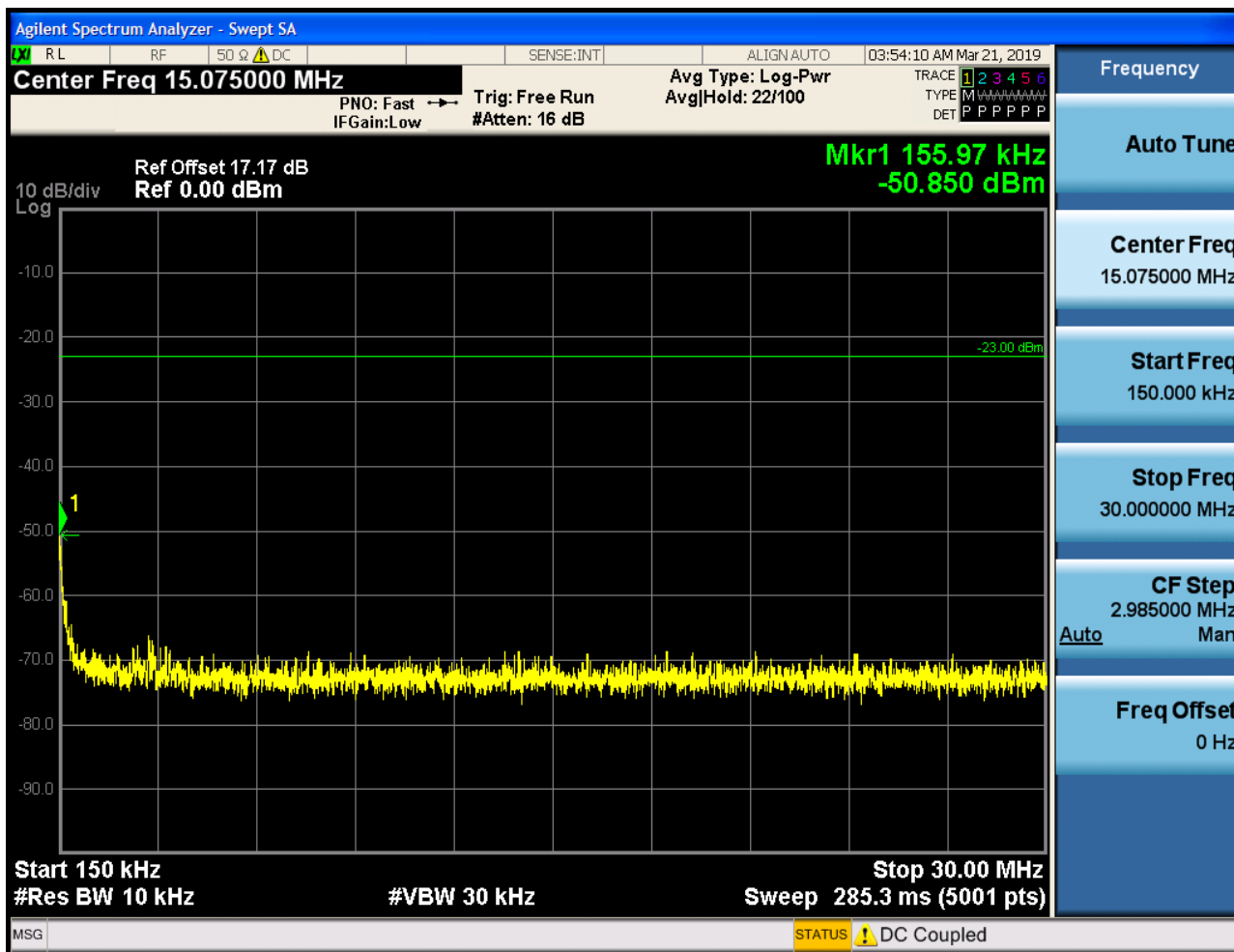


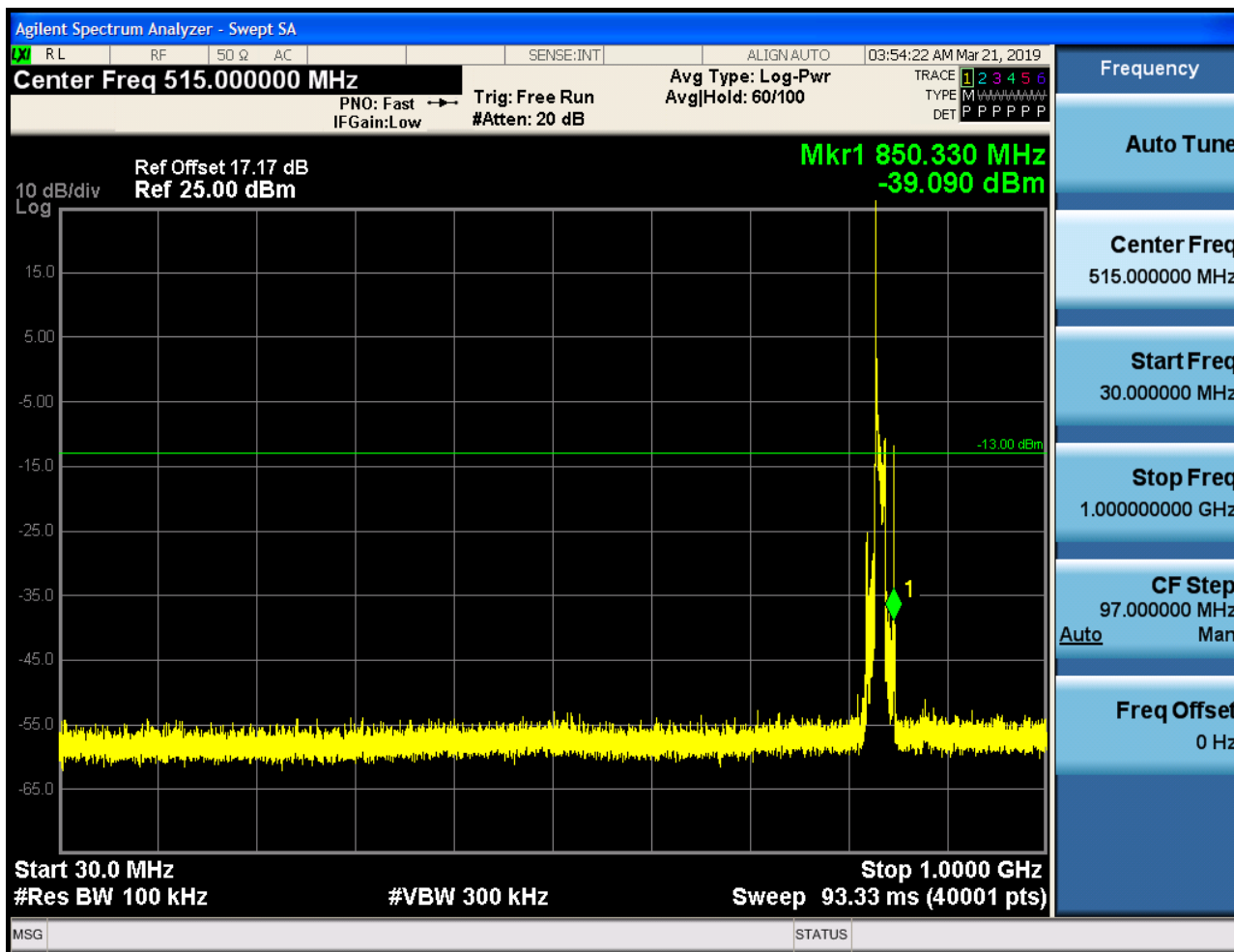


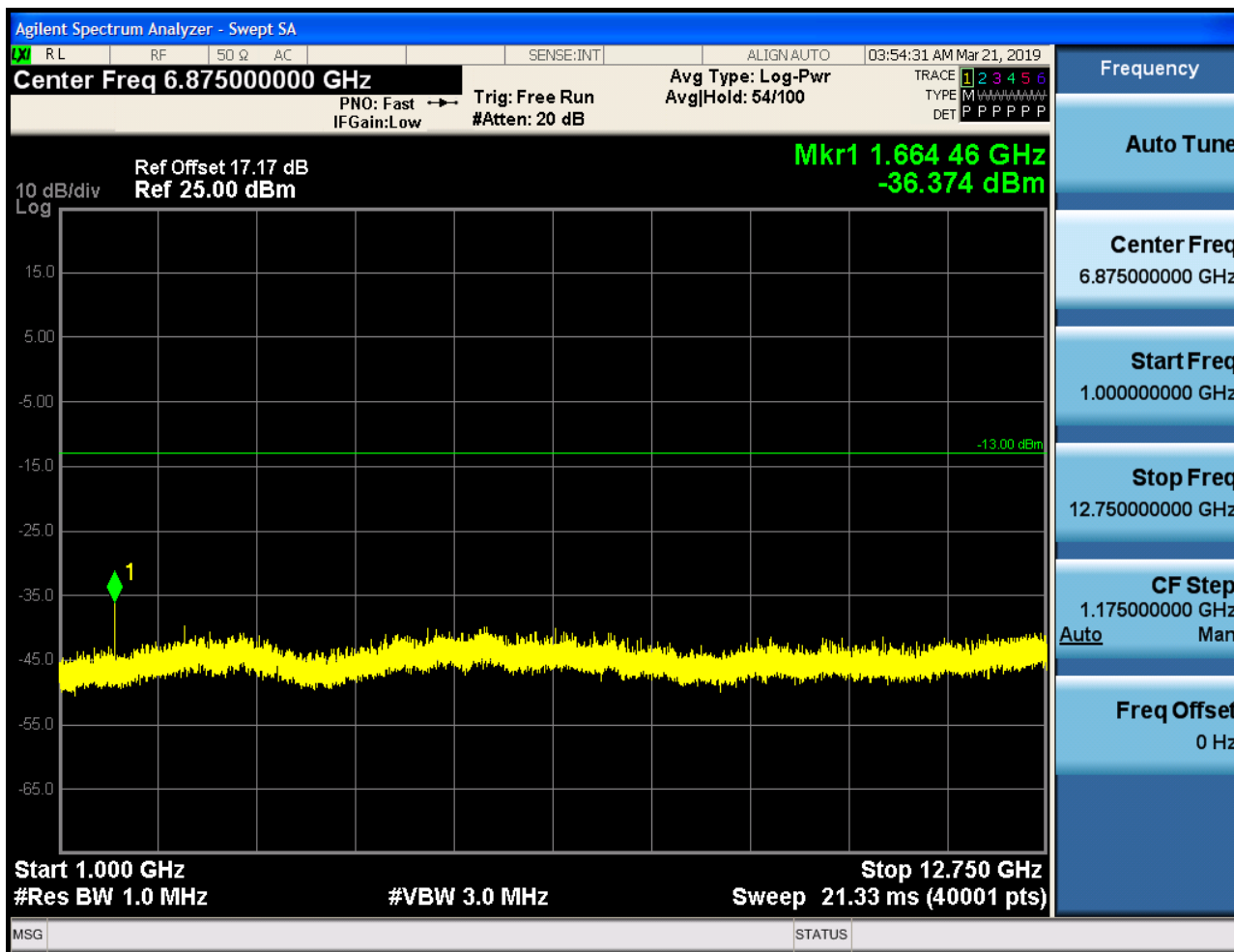
### 6.2.1.2.4.2 Test Channel = MCH

#### 6.2.1.2.4.2.1 Test RB = RB1#0





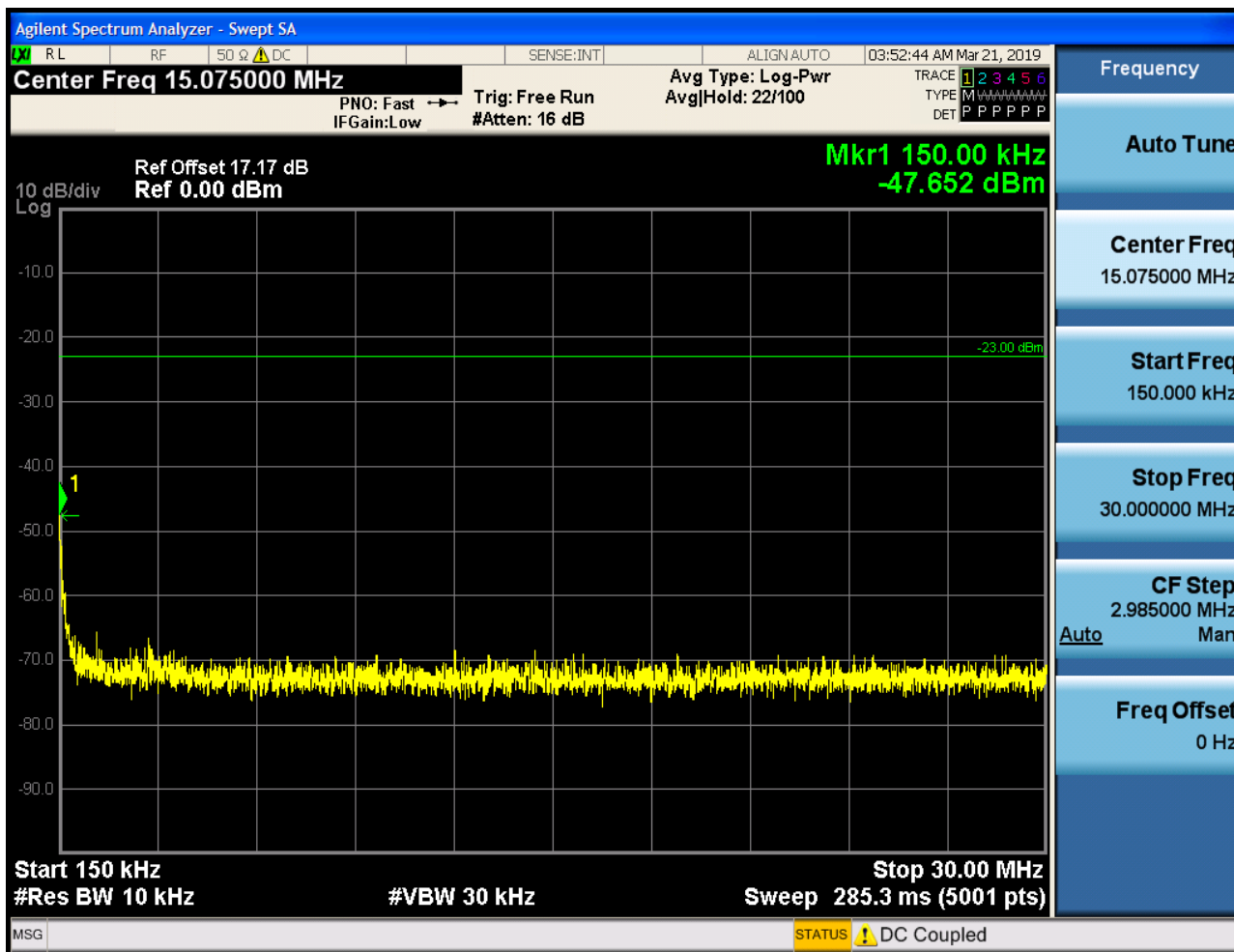


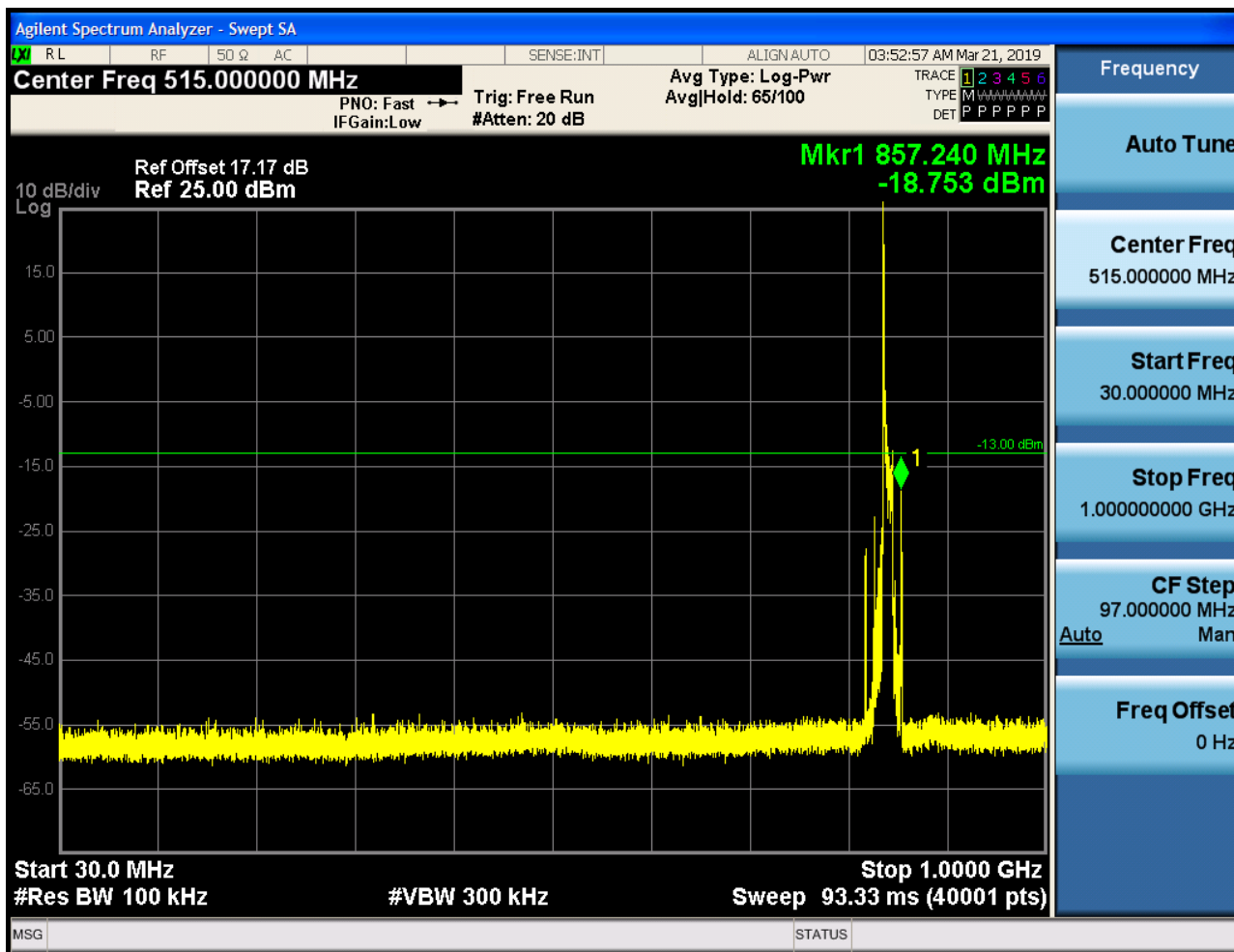


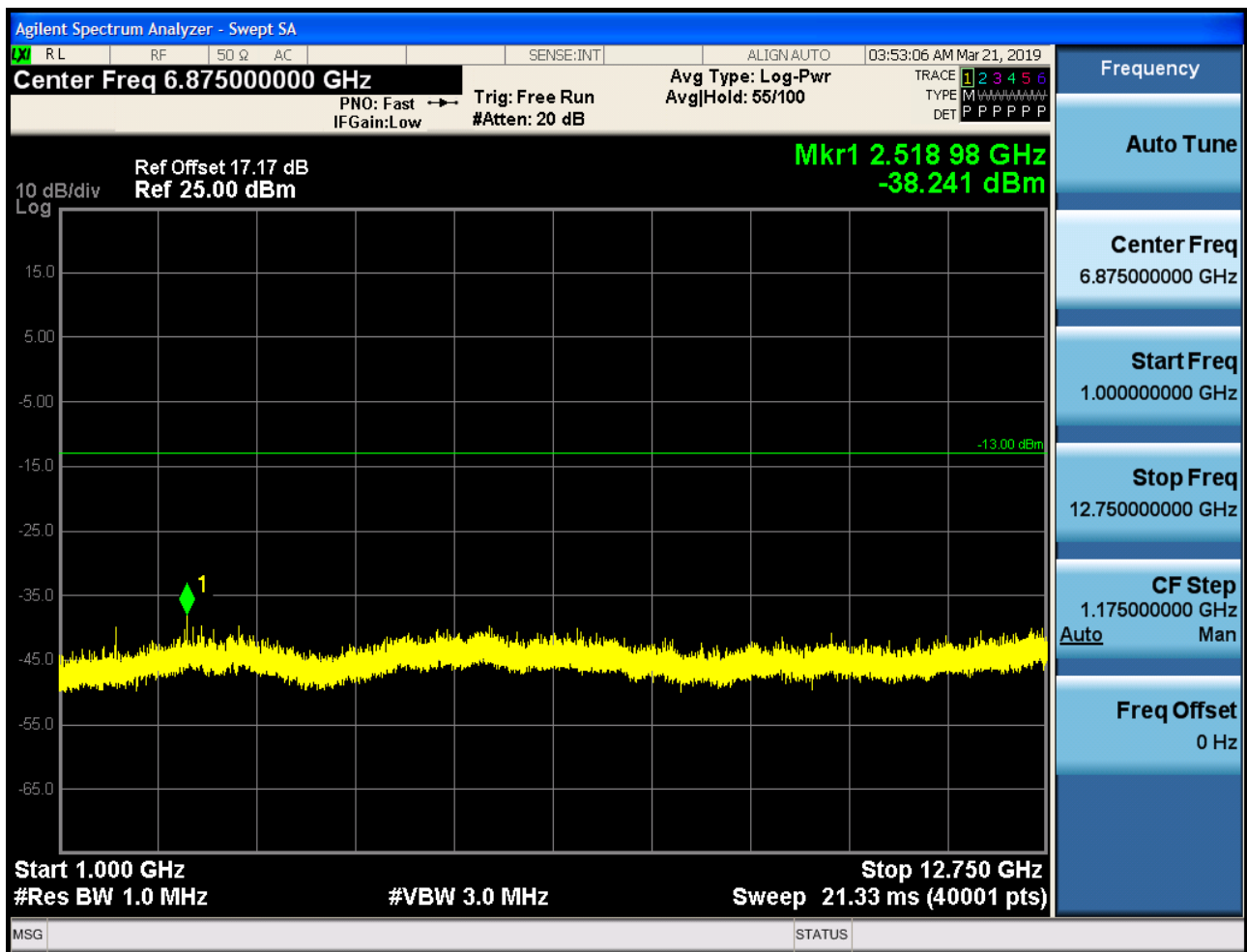
### 6.2.1.2.4.3 Test Channel = HCH

#### 6.2.1.2.4.3.1 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, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 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

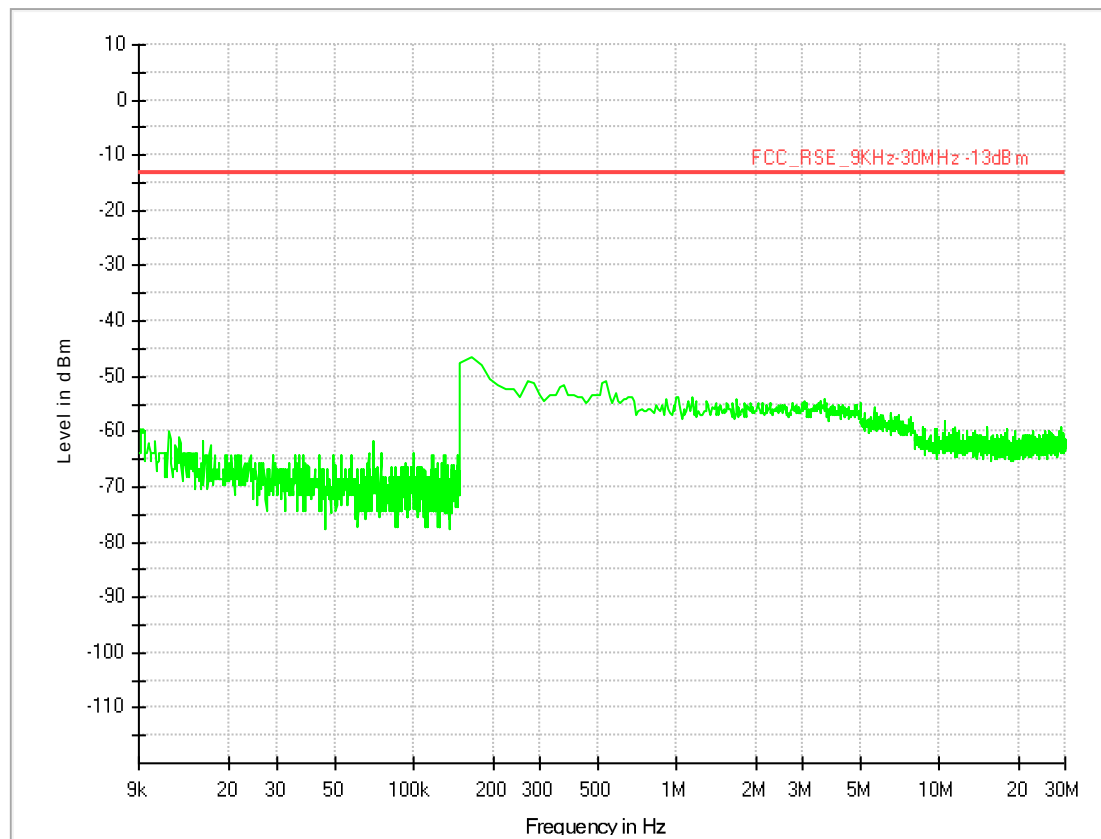
### Part I - Test Plots

#### 7.1 For LTE

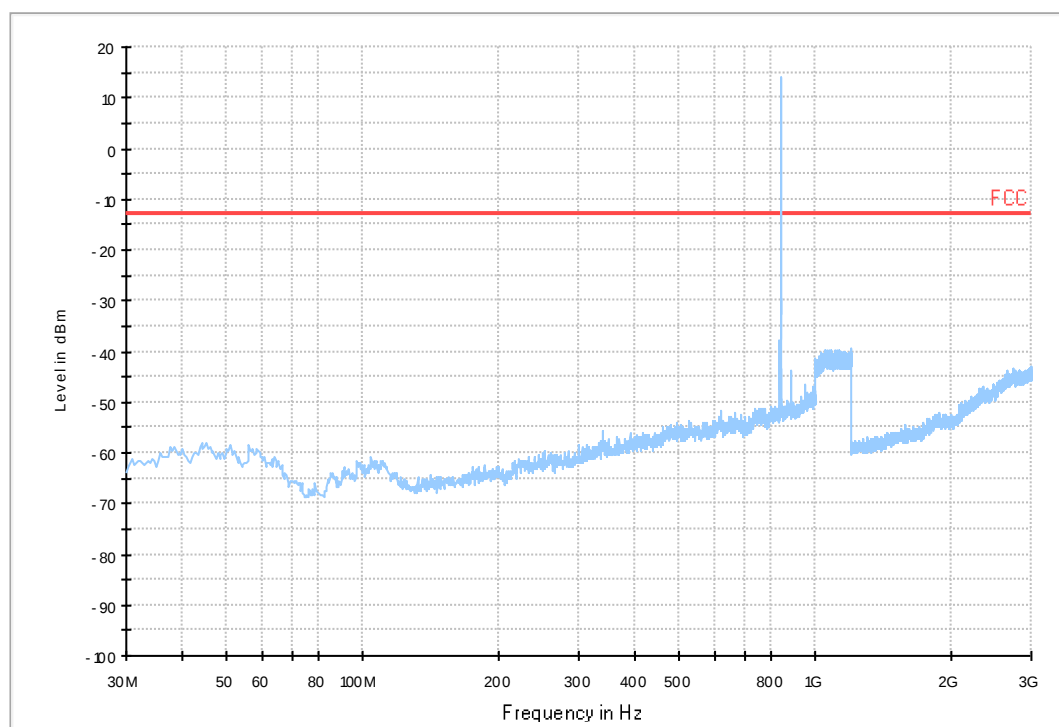
##### 7.1.1 Test Band = Band5

##### 7.1.1.1 Test Bandwidth = 1.4

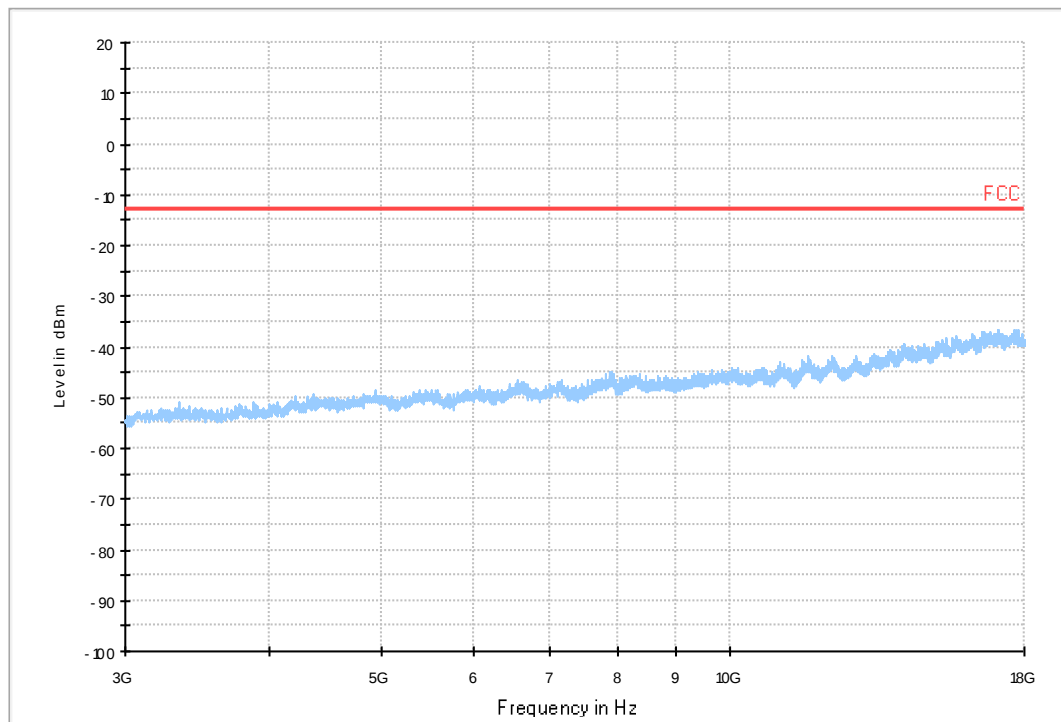
Band5/TM1\_Ant1



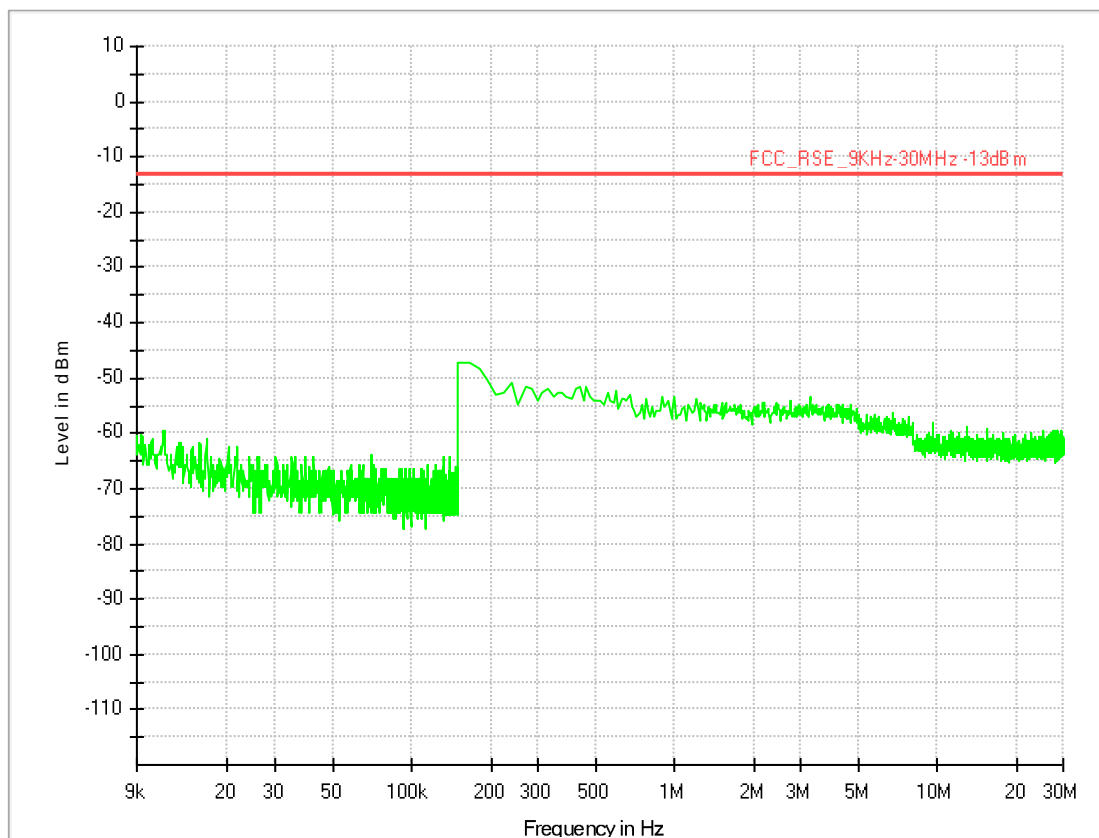
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



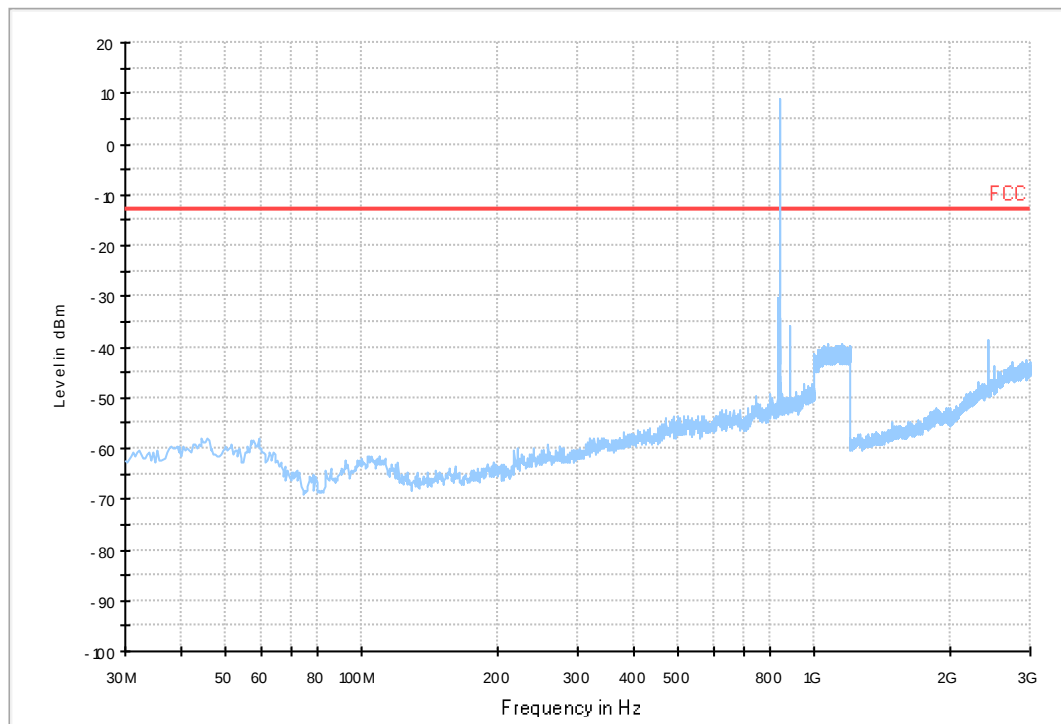
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



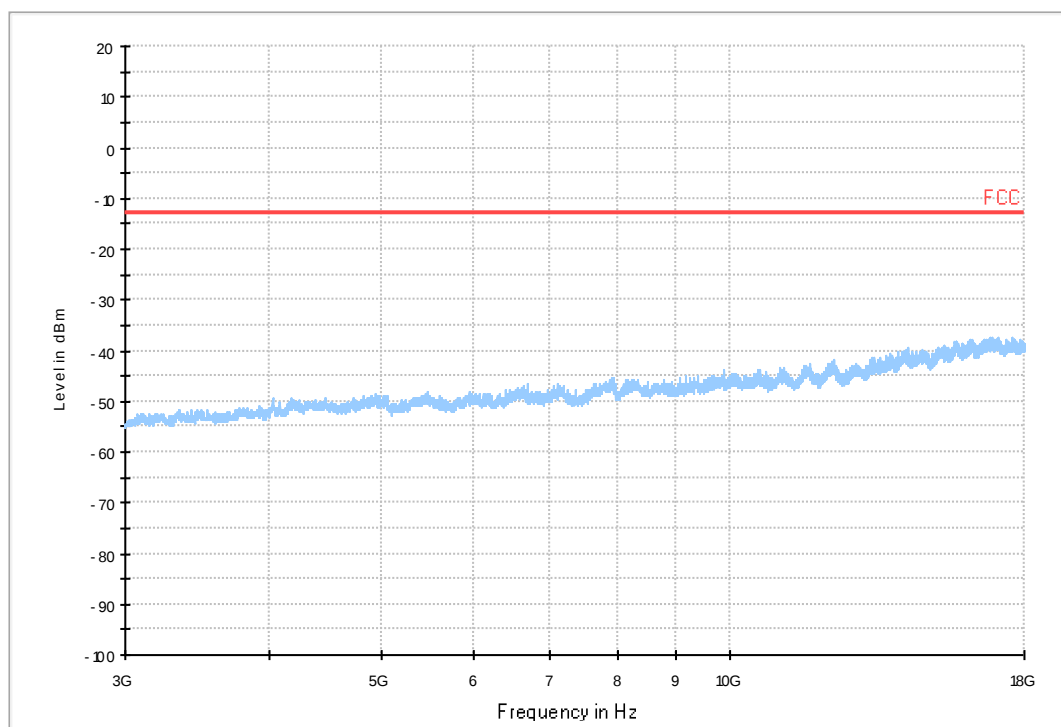
Band5/TM1\_Ant2



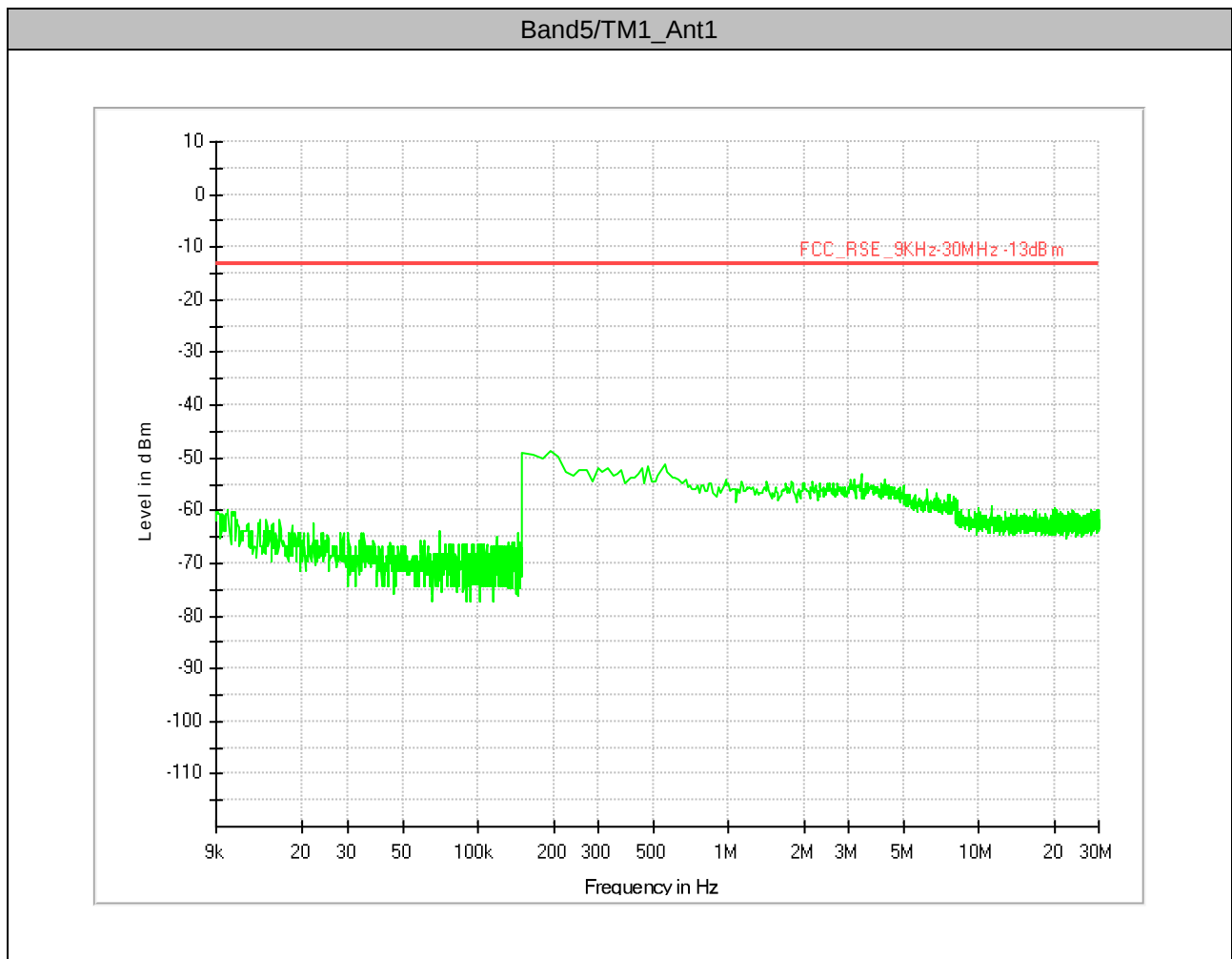
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



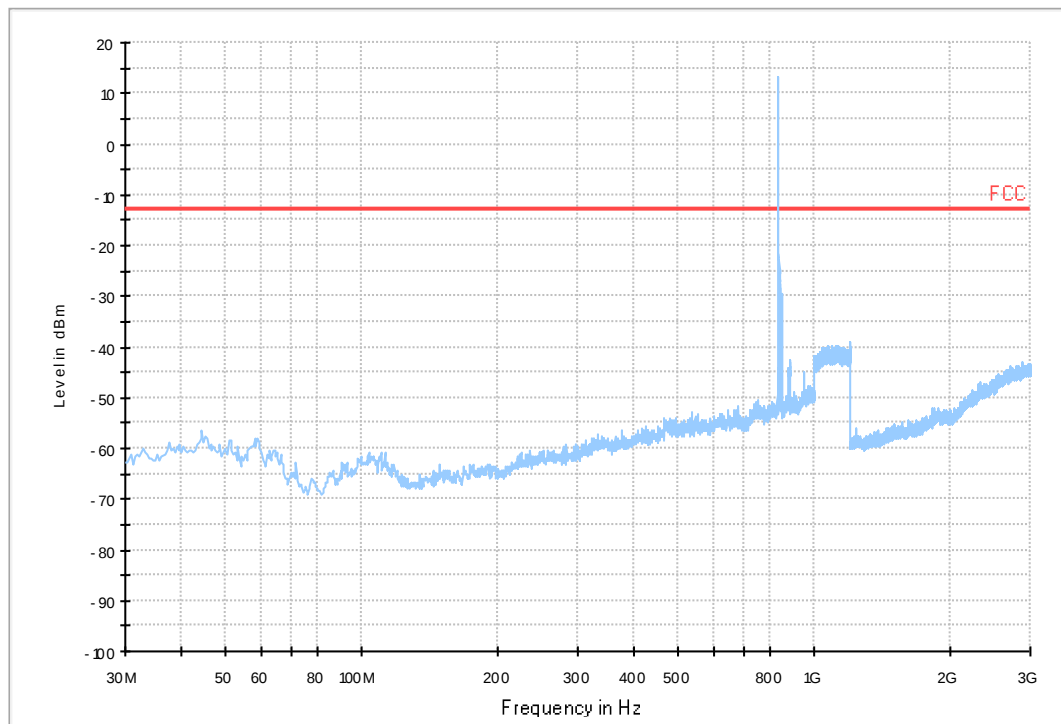
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



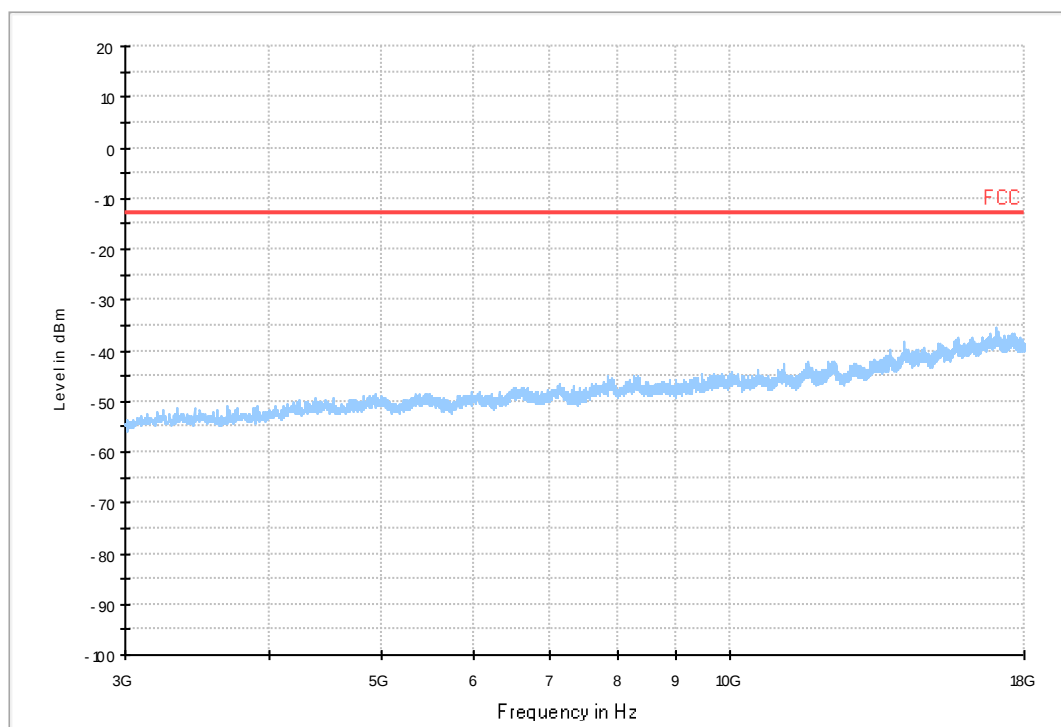
### 7.1.1.2 Test Bandwidth = 10



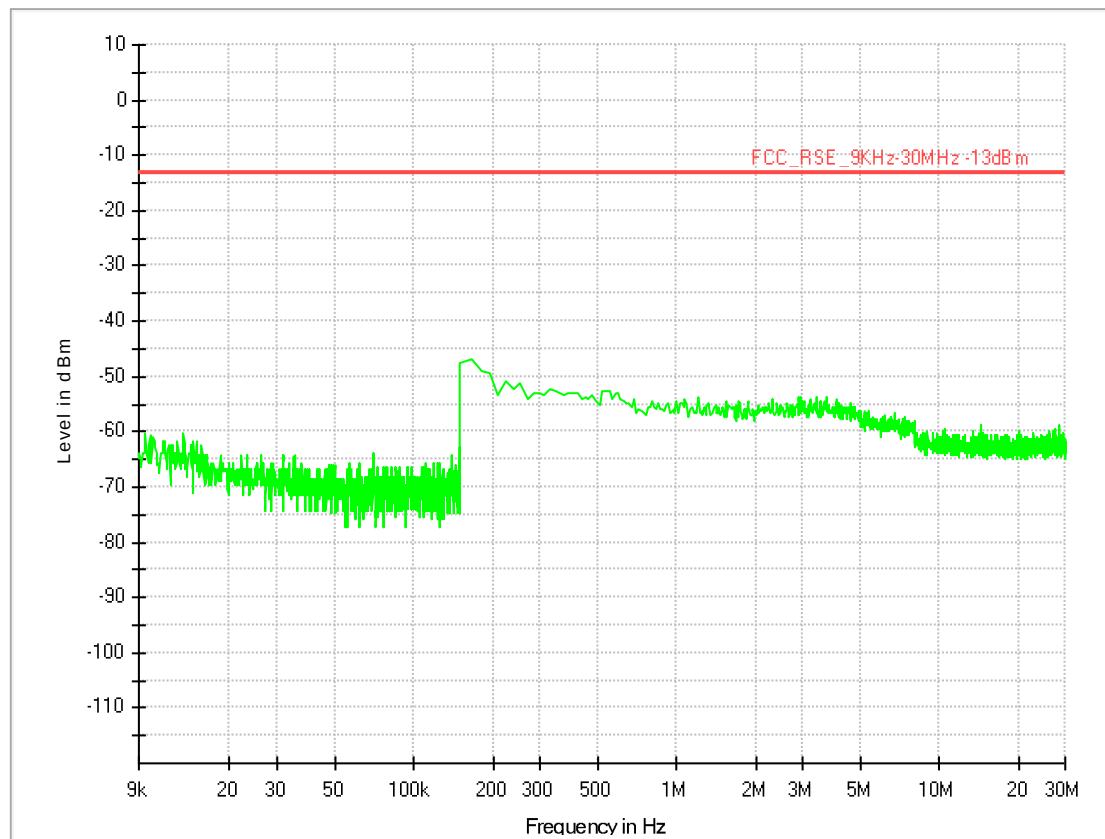
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



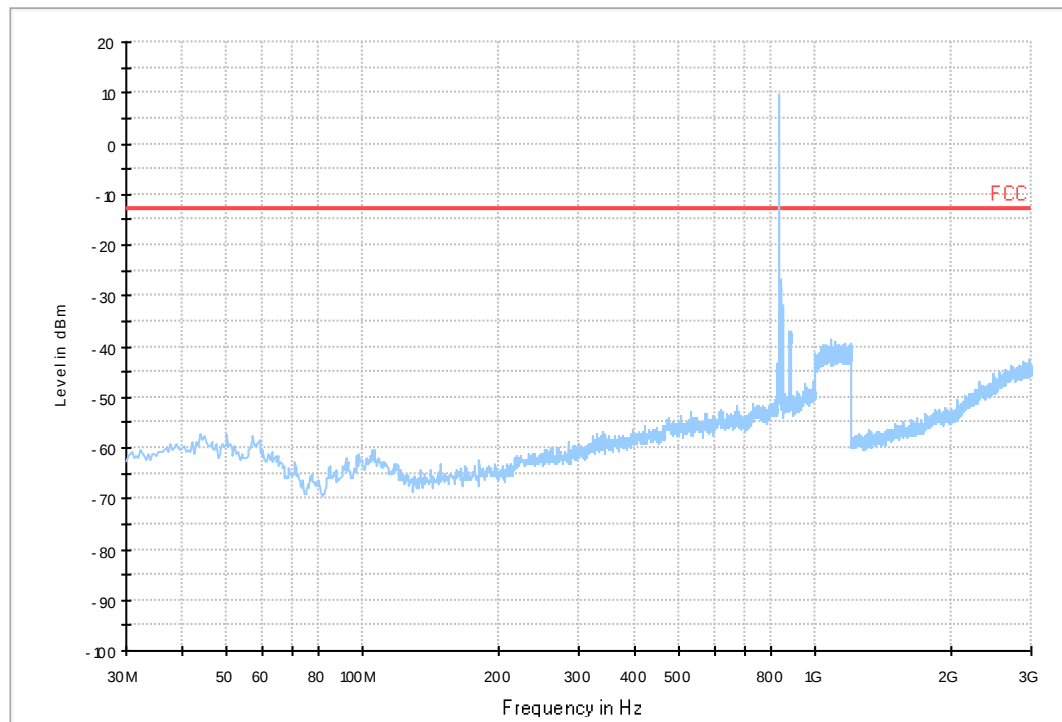
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



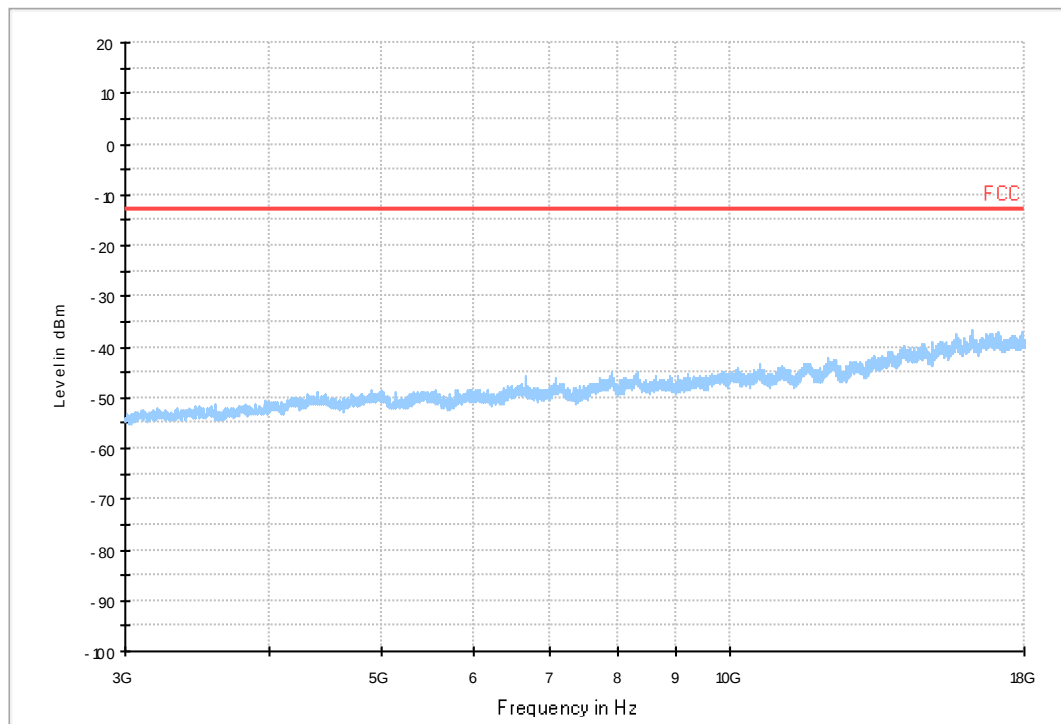
Band5/TM1\_Ant2



LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



LTE FDD 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         | -18.16750        | -0.02203              | PASS    |
|           |           |                      |              |            | VN         | -9.58443         | -0.01162              | PASS    |
|           |           |                      |              |            | VH         | 14.20498         | 0.01722               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 6.29425          | 0.00752               | PASS    |
|           |           |                      |              |            | VN         | 3.06129          | 0.00366               | PASS    |
|           |           |                      |              |            | VH         | -6.33717         | -0.00758              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 10.32829         | 0.01218               | PASS    |
|           |           |                      |              |            | VN         | 8.84056          | 0.01042               | PASS    |
|           |           |                      |              |            | VH         | -5.06401         | -0.00597              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -1.48773         | -0.00180              | PASS    |
|           |           |                      |              |            | VN         | 1.80244          | 0.00218               | PASS    |
|           |           |                      |              |            | VH         | -3.08990         | -0.00374              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -0.40054         | -0.00048              | PASS    |
|           |           |                      |              |            | VN         | -1.35899         | -0.00162              | PASS    |
|           |           |                      |              |            | VH         | -8.05378         | -0.00963              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.35899         | -0.00160              | PASS    |
|           |           |                      |              |            | VN         | 0.07153          | 0.00008               | PASS    |
|           |           |                      |              |            | VH         | -1.23024         | -0.00145              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | 1.65939          | 0.00201               | PASS    |
|           |           |                      |              |            | VN         | 5.42164          | 0.00656               | PASS    |
|           |           |                      |              |            | VH         | 1.08719          | 0.00132               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 5.73635          | 0.00686               | PASS    |
|           |           |                      |              |            | VN         | 27.55165         | 0.03294               | PASS    |
|           |           |                      |              |            | VH         | 0.50068          | 0.00060               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 1.41621          | 0.00167               | PASS    |
|           |           |                      |              |            | VN         | 0.02861          | 0.00003               | PASS    |
|           |           |                      |              |            | VH         | -2.23160         | -0.00264              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -0.71526         | -0.00086              | PASS    |
|           |           |                      |              |            | VN         | -1.40190         | -0.00169              | PASS    |
|           |           |                      |              |            | VH         | 4.03404          | 0.00487               | 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         | -2.26021         | -0.00270              | PASS    |
|           |           |                      |              |            | VN         | 7.43866          | 0.00889               | PASS    |
|           |           |                      |              |            | VH         | 3.53336          | 0.00422               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.07153         | -0.00008              | PASS    |
|           |           |                      |              |            | VN         | -1.25885         | -0.00149              | PASS    |
|           |           |                      |              |            | VH         | -1.65939         | -0.00197              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | TN         | VL         | 8.76904          | 0.01063               | PASS    |
|           |           |                      |              |            | VN         | -1.95980         | -0.00238              | PASS    |
|           |           |                      |              |            | VH         | -7.43866         | -0.00902              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.17438         | -0.00260              | PASS    |
|           |           |                      |              |            | VN         | 14.59122         | 0.01744               | PASS    |
|           |           |                      |              |            | VH         | 12.57420         | 0.01503               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -6.22272         | -0.00734              | PASS    |
|           |           |                      |              |            | VN         | 14.50539         | 0.01710               | PASS    |
|           |           |                      |              |            | VH         | -3.31879         | -0.00391              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | 3.70503          | 0.00449               | PASS    |
|           |           |                      |              |            | VN         | -3.30448         | -0.00400              | PASS    |
|           |           |                      |              |            | VH         | 1.95980          | 0.00237               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -4.39167         | -0.00525              | PASS    |
|           |           |                      |              |            | VN         | -1.44482         | -0.00173              | PASS    |
|           |           |                      |              |            | VH         | -2.71797         | -0.00325              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.14441         | -0.00135              | PASS    |
|           |           |                      |              |            | VN         | 1.14441          | 0.00135               | PASS    |
|           |           |                      |              |            | VH         | -2.67506         | -0.00316              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | 0.65804          | 0.00080               | PASS    |
|           |           |                      |              |            | VN         | -0.91553         | -0.00111              | PASS    |
|           |           |                      |              |            | VH         | 1.20163          | 0.00145               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.08990         | -0.00369              | PASS    |
|           |           |                      |              |            | VN         | -2.44618         | -0.00292              | PASS    |
|           |           |                      |              |            | VH         | -1.47343         | -0.00176              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 2.31743          | 0.00274               | PASS    |
|           |           |                      |              |            | VN         | 0.87261          | 0.00103               | PASS    |
|           |           |                      |              |            | VH         | -0.50068         | -0.00059              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | 3.31879          | 0.00400               | PASS    |
|           |           |                      |              |            | VN         | -1.44482         | -0.00174              | PASS    |
|           |           |                      |              |            | VH         | 2.38895          | 0.00288               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.01702         | -0.00241              | PASS    |
|           |           |                      |              |            | VN         | 8.56876          | 0.01024               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      | HCH          | TN         | VH         | 1.01566          | 0.00121               | PASS    |
|           |           |                      |              |            | VL         | 0.48637          | 0.00058               | PASS    |
|           |           |                      |              |            | VN         | -4.54903         | -0.00539              | PASS    |
|           |           |                      |              |            | VH         | -1.73092         | -0.00205              | 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       | 3.63350          | 0.00441               | PASS    |
|           |           |                      |              |            | -20       | -14.34803        | -0.01740              | PASS    |
|           |           |                      |              |            | -10       | -10.71453        | -0.01299              | PASS    |
|           |           |                      |              |            | 0         | 6.60896          | 0.00801               | PASS    |
|           |           |                      |              |            | 10        | 23.38886         | 0.02836               | PASS    |
|           |           |                      |              |            | 20        | -9.58443         | -0.01162              | PASS    |
|           |           |                      |              |            | 30        | -11.48701        | -0.01393              | PASS    |
|           |           |                      |              |            | 40        | -2.57492         | -0.00312              | PASS    |
|           |           |                      |              |            | 50        | -8.58307         | -0.01041              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 1.50204          | 0.00180               | PASS    |
|           |           |                      |              |            | -20       | -12.74586        | -0.01524              | PASS    |
|           |           |                      |              |            | -10       | -19.54079        | -0.02336              | PASS    |
|           |           |                      |              |            | 0         | -0.47207         | -0.00056              | PASS    |
|           |           |                      |              |            | 10        | 16.73698         | 0.02001               | PASS    |
|           |           |                      |              |            | 20        | 3.06129          | 0.00366               | PASS    |
|           |           |                      |              |            | 30        | 5.85079          | 0.00699               | PASS    |
|           |           |                      |              |            | 40        | -6.60896         | -0.00790              | PASS    |
|           |           |                      |              |            | 50        | -0.14305         | -0.00017              | PASS    |
|           |           |                      | HCH          | VN         | -30       | 0.54359          | 0.00064               | PASS    |
|           |           |                      |              |            | -20       | 0.21458          | 0.00025               | PASS    |
|           |           |                      |              |            | -10       | 8.51154          | 0.01003               | PASS    |
|           |           |                      |              |            | 0         | 20.67089         | 0.02437               | PASS    |
|           |           |                      |              |            | 10        | 0.65804          | 0.00078               | PASS    |
|           |           |                      |              |            | 20        | 8.84056          | 0.01042               | PASS    |
|           |           |                      |              |            | 30        | 12.45975         | 0.01469               | PASS    |
|           |           |                      |              |            | 40        | -0.04292         | -0.00005              | PASS    |
|           |           |                      |              |            | 50        | 0.68665          | 0.00081               | PASS    |
|           |           | 3                    | LCH          | VN         | -30       | 0.67234          | 0.00081               | PASS    |
|           |           |                      |              |            | -20       | 1.51634          | 0.00184               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -10       | 2.98977          | 0.00362               | PASS    |
|           |           |                      |              |            | 0         | -0.55790         | -0.00068              | PASS    |
|           |           |                      |              |            | 10        | 5.69344          | 0.00690               | PASS    |
|           |           |                      |              |            | 20        | 1.80244          | 0.00218               | PASS    |
|           |           |                      |              |            | 30        | 0.55790          | 0.00068               | PASS    |
|           |           |                      |              |            | 40        | 0.44346          | 0.00054               | PASS    |
|           |           |                      |              |            | 50        | 2.01702          | 0.00244               | PASS    |
|           |           |                      | MCH          | VN         | -30       | 3.51906          | 0.00421               | PASS    |
|           |           |                      |              |            | -20       | -0.61512         | -0.00074              | PASS    |
|           |           |                      |              |            | -10       | -0.34332         | -0.00041              | PASS    |
|           |           |                      |              |            | 0         | -8.11100         | -0.00970              | PASS    |
|           |           |                      |              |            | 10        | 8.78334          | 0.01050               | PASS    |
|           |           |                      |              |            | 20        | -1.35899         | -0.00162              | PASS    |
|           |           |                      |              |            | 30        | -1.00136         | -0.00120              | PASS    |
|           |           |                      |              |            | 40        | 3.27587          | 0.00392               | PASS    |
|           |           |                      |              |            | 50        | -5.77927         | -0.00691              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -1.14441         | -0.00135              | PASS    |
|           |           |                      |              |            | -20       | -0.37193         | -0.00044              | PASS    |
|           |           |                      |              |            | -10       | -0.57220         | -0.00068              | PASS    |
|           |           |                      |              |            | 0         | -0.48637         | -0.00057              | PASS    |
|           |           |                      |              |            | 10        | -2.87533         | -0.00339              | PASS    |
|           |           |                      |              |            | 20        | 0.07153          | 0.00008               | PASS    |
|           |           |                      |              |            | 30        | -0.38624         | -0.00046              | PASS    |
|           |           |                      |              |            | 40        | 2.86102          | 0.00338               | PASS    |
|           |           |                      |              |            | 50        | -0.10014         | -0.00012              | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | 1.75953          | 0.00213               | PASS    |
|           |           |                      |              |            | -20       | -1.00136         | -0.00121              | PASS    |
|           |           |                      |              |            | -10       | -4.52042         | -0.00547              | PASS    |
|           |           |                      |              |            | 0         | 1.94550          | 0.00235               | PASS    |
|           |           |                      |              |            | 10        | -0.80109         | -0.00097              | PASS    |
|           |           |                      |              |            | 20        | 5.42164          | 0.00656               | PASS    |
|           |           |                      |              |            | 30        | -0.38624         | -0.00047              | PASS    |
|           |           |                      |              |            | 40        | -1.13010         | -0.00137              | PASS    |
|           |           |                      |              |            | 50        | -1.53065         | -0.00185              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.75817         | -0.00091              | PASS    |
|           |           |                      |              |            | -20       | 9.34124          | 0.01117               | PASS    |
|           |           |                      |              |            | -10       | 15.97881         | 0.01910               | PASS    |
|           |           |                      |              |            | 0         | 11.41548         | 0.01365               | PASS    |
|           |           |                      |              |            | 10        | 24.43314         | 0.02921               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20        | 27.55165         | 0.03294               | PASS    |
|           |           |                      |              |            | 30        | 19.09733         | 0.02283               | PASS    |
|           |           |                      |              |            | 40        | -1.61648         | -0.00193              | PASS    |
|           |           |                      |              |            | 50        | 3.39031          | 0.00405               | PASS    |
|           |           |                      | HCH          | VN         | -30       | 0.94414          | 0.00112               | PASS    |
|           |           |                      |              |            | -20       | 1.10149          | 0.00130               | PASS    |
|           |           |                      |              |            | -10       | 1.53065          | 0.00181               | PASS    |
|           |           |                      |              |            | 0         | -0.41485         | -0.00049              | PASS    |
|           |           |                      |              |            | 10        | 1.04427          | 0.00123               | PASS    |
|           |           |                      |              |            | 20        | 0.02861          | 0.00003               | PASS    |
|           |           |                      |              |            | 30        | 3.29018          | 0.00389               | PASS    |
|           |           |                      |              |            | 40        | 0.75817          | 0.00090               | PASS    |
|           |           |                      |              |            | 50        | 0.42915          | 0.00051               | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | 3.43323          | 0.00414               | PASS    |
|           |           |                      |              |            | -20       | -1.88827         | -0.00228              | PASS    |
|           |           |                      |              |            | -10       | 3.70503          | 0.00447               | PASS    |
|           |           |                      |              |            | 0         | -4.19140         | -0.00506              | PASS    |
|           |           |                      |              |            | 10        | -0.72956         | -0.00088              | PASS    |
|           |           |                      |              |            | 20        | -1.40190         | -0.00169              | PASS    |
|           |           |                      |              |            | 30        | -3.70503         | -0.00447              | PASS    |
|           |           |                      |              |            | 40        | -0.40054         | -0.00048              | PASS    |
|           |           |                      |              |            | 50        | -2.91824         | -0.00352              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 0.12875          | 0.00015               | PASS    |
|           |           |                      |              |            | -20       | -4.03404         | -0.00482              | PASS    |
|           |           |                      |              |            | -10       | -7.03812         | -0.00841              | PASS    |
|           |           |                      |              |            | 0         | 5.24998          | 0.00628               | PASS    |
|           |           |                      |              |            | 10        | 15.49244         | 0.01852               | PASS    |
|           |           |                      |              |            | 20        | 7.43866          | 0.00889               | PASS    |
|           |           |                      |              |            | 30        | 5.30720          | 0.00634               | PASS    |
|           |           |                      |              |            | 40        | 7.15256          | 0.00855               | PASS    |
|           |           |                      |              |            | 50        | 3.44753          | 0.00412               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -1.17302         | -0.00139              | PASS    |
|           |           |                      |              |            | -20       | 4.62055          | 0.00547               | PASS    |
|           |           |                      |              |            | -10       | 5.82218          | 0.00690               | PASS    |
|           |           |                      |              |            | 0         | -2.24590         | -0.00266              | PASS    |
|           |           |                      |              |            | 10        | -1.87397         | -0.00222              | PASS    |
|           |           |                      |              |            | 20        | -1.25885         | -0.00149              | PASS    |
|           |           |                      |              |            | 30        | -5.90801         | -0.00700              | PASS    |
|           |           |                      |              |            | 40        | -8.25405         | -0.00978              | 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         | 50        | -0.10014         | -0.00012              | PASS    |
|           |           |                      |              |            | -30       | -4.14848         | -0.00503              | PASS    |
|           |           |                      |              |            | -20       | -10.97202        | -0.01330              | PASS    |
|           |           |                      |              |            | -10       | 8.26836          | 0.01003               | PASS    |
|           |           |                      |              |            | 0         | -14.31942        | -0.01736              | PASS    |
|           |           |                      |              |            | 10        | 1.37329          | 0.00167               | PASS    |
|           |           |                      |              |            | 20        | -1.95980         | -0.00238              | PASS    |
|           |           |                      |              |            | 30        | 19.56940         | 0.02373               | PASS    |
|           |           |                      |              |            | 40        | -1.71661         | -0.00208              | PASS    |
|           |           |                      |              |            | 50        | -3.27587         | -0.00397              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 17.69543         | 0.02115               | PASS    |
|           |           |                      |              |            | -20       | 3.10421          | 0.00371               | PASS    |
|           |           |                      |              |            | -10       | -33.11634        | -0.03959              | PASS    |
|           |           |                      |              |            | 0         | -10.91480        | -0.01305              | PASS    |
|           |           |                      |              |            | 10        | -7.85351         | -0.00939              | PASS    |
|           |           |                      |              |            | 20        | 14.59122         | 0.01744               | PASS    |
|           |           |                      |              |            | 30        | -0.95844         | -0.00115              | PASS    |
|           |           |                      |              |            | 40        | -4.30584         | -0.00515              | PASS    |
|           |           |                      |              |            | 50        | -8.44002         | -0.01009              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -11.57284        | -0.01364              | PASS    |
|           |           |                      |              |            | -20       | 12.87460         | 0.01518               | PASS    |
|           |           |                      |              |            | -10       | -9.58443         | -0.01130              | PASS    |
|           |           |                      |              |            | 0         | 8.92639          | 0.01052               | PASS    |
|           |           |                      |              |            | 10        | -23.94676        | -0.02823              | PASS    |
|           |           |                      |              |            | 20        | 14.50539         | 0.01710               | PASS    |
|           |           |                      |              |            | 30        | -9.59873         | -0.01132              | PASS    |
|           |           |                      |              |            | 40        | 2.50339          | 0.00295               | PASS    |
|           |           |                      |              |            | 50        | 9.77039          | 0.01152               | PASS    |
|           |           | 3                    | LCH          | VN         | -30       | 1.58787          | 0.00192               | PASS    |
|           |           |                      |              |            | -20       | 0.60081          | 0.00073               | PASS    |
|           |           |                      |              |            | -10       | -9.31263         | -0.01128              | PASS    |
|           |           |                      |              |            | 0         | -3.16143         | -0.00383              | PASS    |
|           |           |                      |              |            | 10        | 3.06129          | 0.00371               | PASS    |
|           |           |                      |              |            | 20        | -3.30448         | -0.00400              | PASS    |
|           |           |                      |              |            | 30        | -3.96252         | -0.00480              | PASS    |
|           |           |                      |              |            | 40        | -0.80109         | -0.00097              | PASS    |
|           |           |                      |              |            | 50        | 3.40462          | 0.00412               | PASS    |
|           |           |                      | MCH          | VN         | -30       | 2.81811          | 0.00337               | PASS    |
|           |           |                      |              |            | -20       | 1.31607          | 0.00157               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -10       | 0.30041          | 0.00036               | PASS    |
|           |           |                      |              |            | 0         | -1.88827         | -0.00226              | PASS    |
|           |           |                      |              |            | 10        | 509.41940        | 0.60899               | PASS    |
|           |           |                      |              |            | 20        | -1.44482         | -0.00173              | PASS    |
|           |           |                      |              |            | 30        | 1.30177          | 0.00156               | PASS    |
|           |           |                      |              |            | 40        | -10.18524        | -0.01218              | PASS    |
|           |           |                      |              |            | 50        | 7.08103          | 0.00847               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -1.43051         | -0.00169              | PASS    |
|           |           |                      |              |            | -20       | 1.05858          | 0.00125               | PASS    |
|           |           |                      |              |            | -10       | 0.60081          | 0.00071               | PASS    |
|           |           |                      |              |            | 0         | -1.64509         | -0.00194              | PASS    |
|           |           |                      |              |            | 10        | -3.13282         | -0.00370              | PASS    |
|           |           |                      |              |            | 20        | 1.14441          | 0.00135               | PASS    |
|           |           |                      |              |            | 30        | -0.92983         | -0.00110              | PASS    |
|           |           |                      |              |            | 40        | -0.07153         | -0.00008              | PASS    |
|           |           |                      |              |            | 50        | -0.74387         | -0.00088              | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | 3.14712          | 0.00381               | PASS    |
|           |           |                      |              |            | -20       | -0.62943         | -0.00076              | PASS    |
|           |           |                      |              |            | -10       | 0.05722          | 0.00007               | PASS    |
|           |           |                      |              |            | 0         | 5.35011          | 0.00647               | PASS    |
|           |           |                      |              |            | 10        | 1.61648          | 0.00196               | PASS    |
|           |           |                      |              |            | 20        | -0.91553         | -0.00111              | PASS    |
|           |           |                      |              |            | 30        | 2.01702          | 0.00244               | PASS    |
|           |           |                      |              |            | 40        | 1.10149          | 0.00133               | PASS    |
|           |           |                      |              |            | 50        | -0.64373         | -0.00078              | PASS    |
|           |           |                      | MCH          | VN         | -30       | 9.19819          | 0.01100               | PASS    |
|           |           |                      |              |            | -20       | 3.31879          | 0.00397               | PASS    |
|           |           |                      |              |            | -10       | 7.39574          | 0.00884               | PASS    |
|           |           |                      |              |            | 0         | 8.38280          | 0.01002               | PASS    |
|           |           |                      |              |            | 10        | -1.71661         | -0.00205              | PASS    |
|           |           |                      |              |            | 20        | -2.44618         | -0.00292              | PASS    |
|           |           |                      |              |            | 30        | -7.00951         | -0.00838              | PASS    |
|           |           |                      |              |            | 40        | 15.26356         | 0.01825               | PASS    |
|           |           |                      |              |            | 50        | 0.92983          | 0.00111               | PASS    |
|           |           |                      | HCH          | VN         | -30       | 0.78678          | 0.00093               | PASS    |
|           |           |                      |              |            | -20       | 4.69208          | 0.00554               | PASS    |
|           |           |                      |              |            | -10       | -2.70367         | -0.00319              | PASS    |
|           |           |                      |              |            | 0         | 0.88692          | 0.00105               | PASS    |
|           |           |                      |              |            | 10        | 1.80244          | 0.00213               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 20        | 0.87261          | 0.00103               | PASS    |
|           |           |                      |              |            | 30        | -0.22888         | -0.00027              | PASS    |
|           |           |                      |              |            | 40        | -0.97275         | -0.00115              | PASS    |
|           |           |                      |              |            | 50        | 3.59058          | 0.00424               | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -1.57356         | -0.00190              | PASS    |
|           |           |                      |              |            | -20       | -0.85831         | -0.00104              | PASS    |
|           |           |                      |              |            | -10       | 2.01702          | 0.00243               | PASS    |
|           |           |                      |              |            | 0         | -1.48773         | -0.00179              | PASS    |
|           |           |                      |              |            | 10        | 0.24319          | 0.00029               | PASS    |
|           |           |                      |              |            | 20        | -1.44482         | -0.00174              | PASS    |
|           |           |                      |              |            | 30        | -0.25749         | -0.00031              | PASS    |
|           |           |                      |              |            | 40        | -1.23024         | -0.00148              | PASS    |
|           |           |                      |              |            | 50        | 0.17166          | 0.00021               | PASS    |
|           |           |                      | MCH          | VN         | -30       | -0.11444         | -0.00014              | PASS    |
|           |           |                      |              |            | -20       | 1.87397          | 0.00224               | PASS    |
|           |           |                      |              |            | -10       | 0.18597          | 0.00022               | PASS    |
|           |           |                      |              |            | 0         | 2.53200          | 0.00303               | PASS    |
|           |           |                      |              |            | 10        | 6.32286          | 0.00756               | PASS    |
|           |           |                      |              |            | 20        | 8.56876          | 0.01024               | PASS    |
|           |           |                      |              |            | 30        | 8.96931          | 0.01072               | PASS    |
|           |           |                      |              |            | 40        | 13.64708         | 0.01631               | PASS    |
|           |           |                      |              |            | 50        | 11.91616         | 0.01425               | PASS    |
|           |           |                      | HCH          | VN         | -30       | 3.40462          | 0.00403               | PASS    |
|           |           |                      |              |            | -20       | 6.26564          | 0.00742               | PASS    |
|           |           |                      |              |            | -10       | 11.74450         | 0.01392               | PASS    |
|           |           |                      |              |            | 0         | 0.35763          | 0.00042               | PASS    |
|           |           |                      |              |            | 10        | -9.88483         | -0.01171              | PASS    |
|           |           |                      |              |            | 20        | -4.54903         | -0.00539              | PASS    |
|           |           |                      |              |            | 30        | 4.11987          | 0.00488               | PASS    |
|           |           |                      |              |            | 40        | -0.38624         | -0.00046              | PASS    |
|           |           |                      |              |            | 50        | 1.02997          | 0.00122               | PASS    |

END