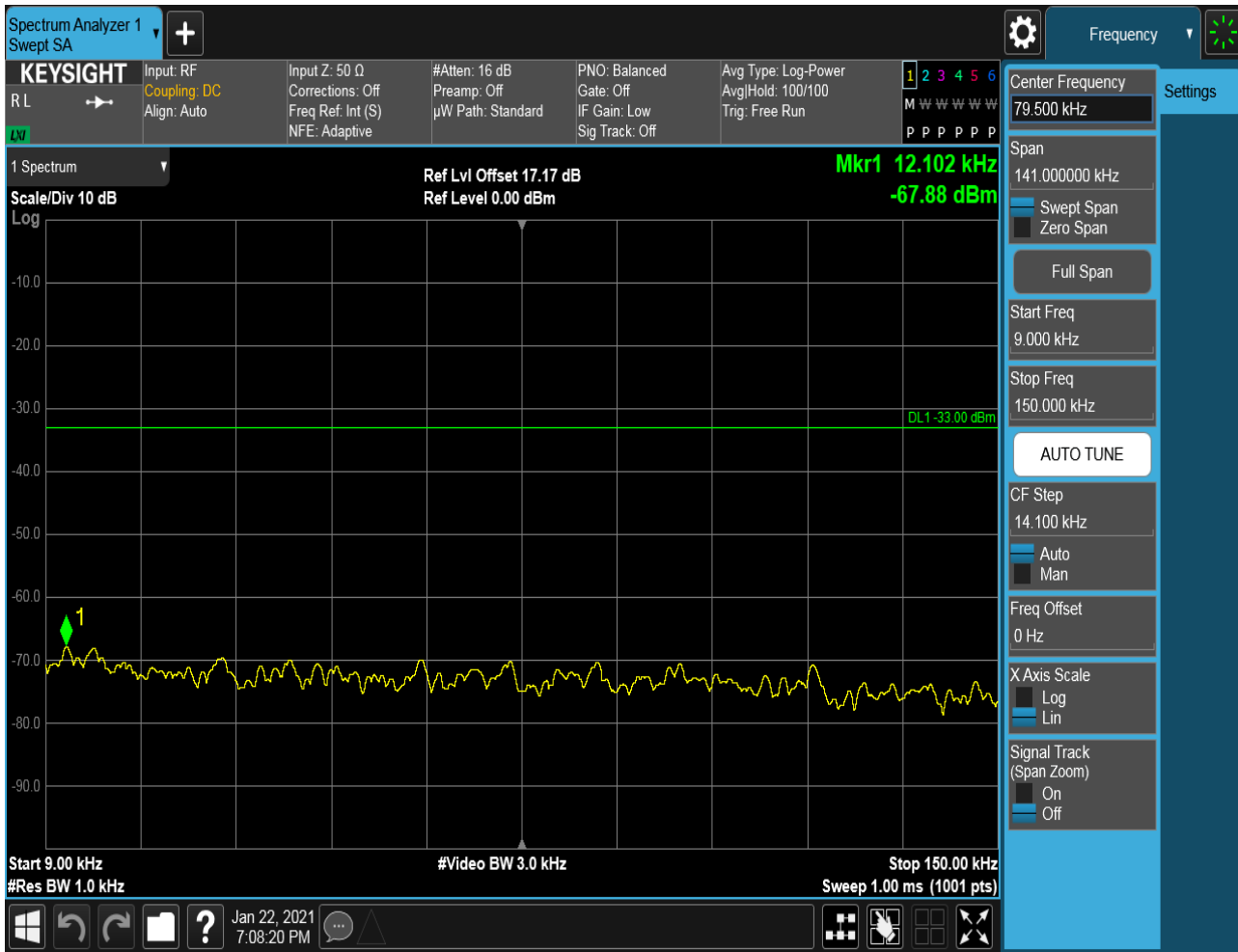
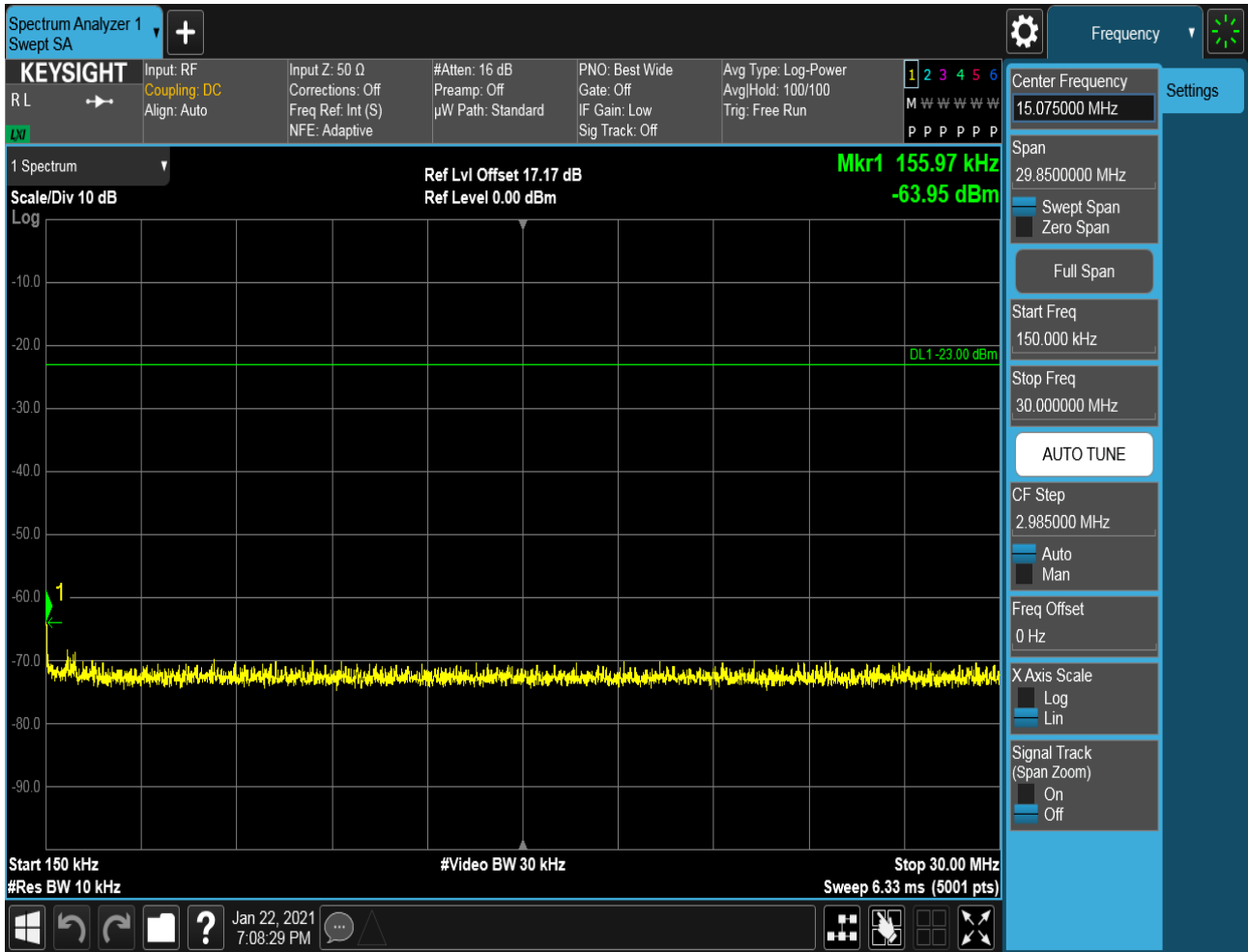
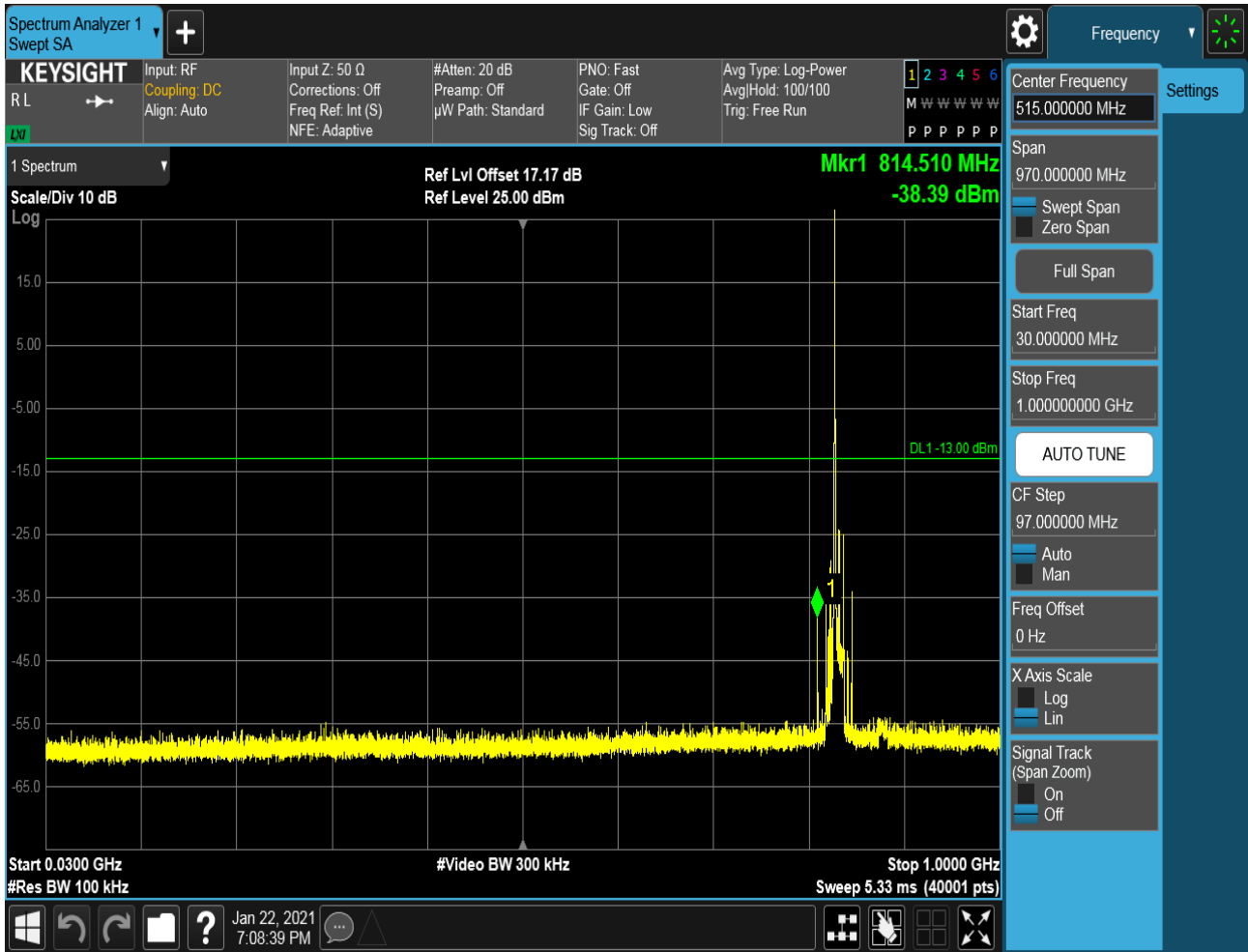


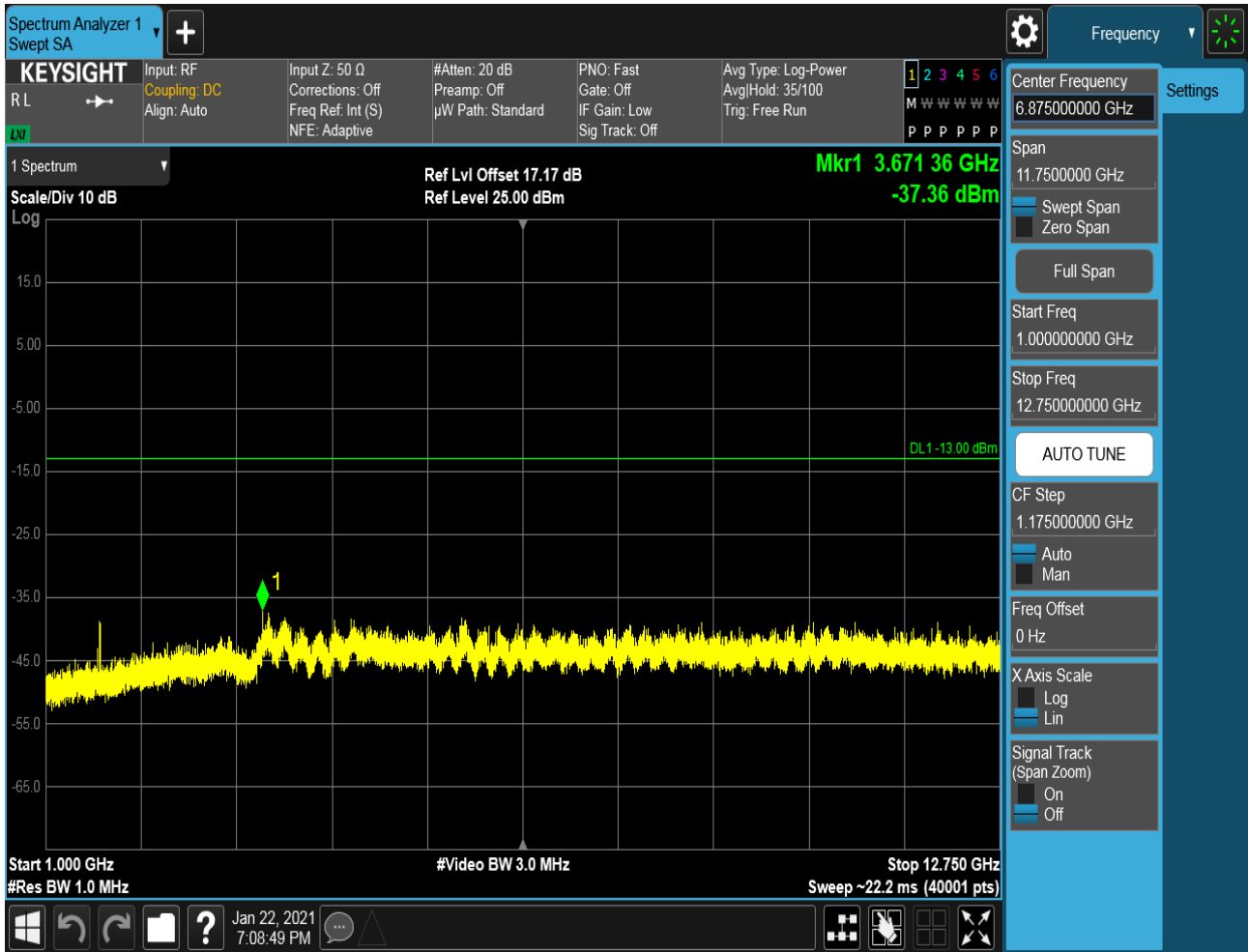
### 6.2.1.2.4.2 Test Channel = MCH

#### 6.2.1.2.4.2.1 Test RB = RB1#0



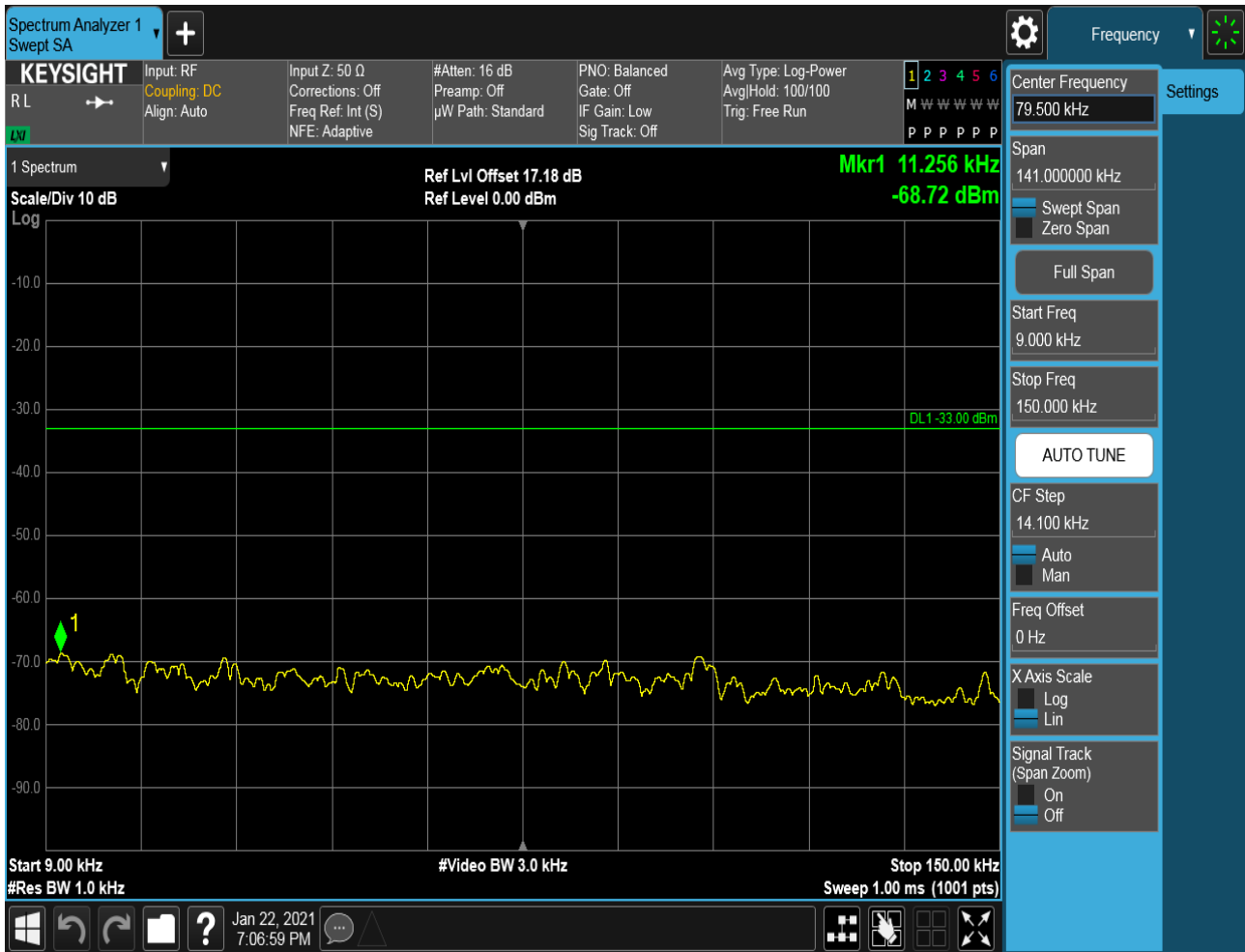


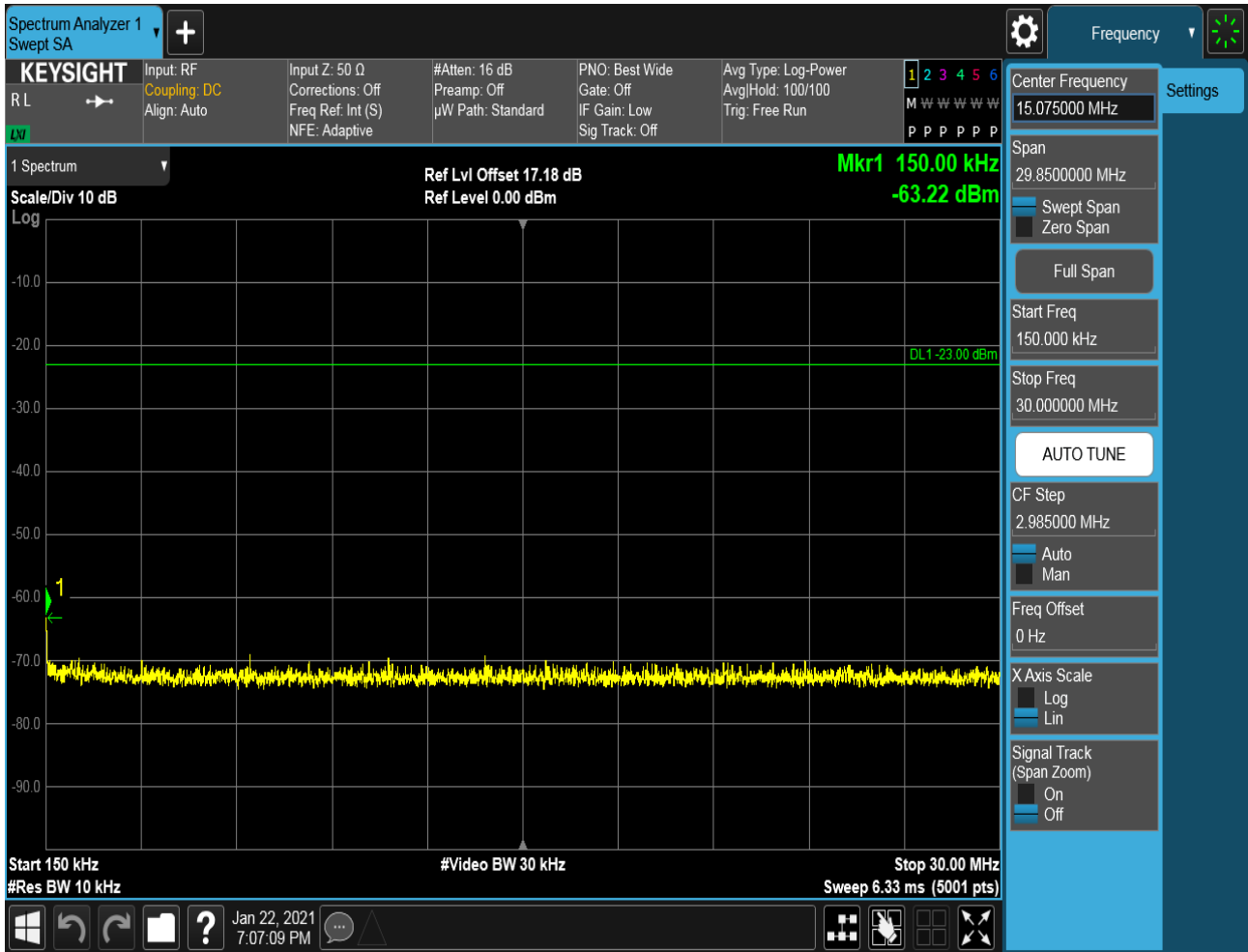




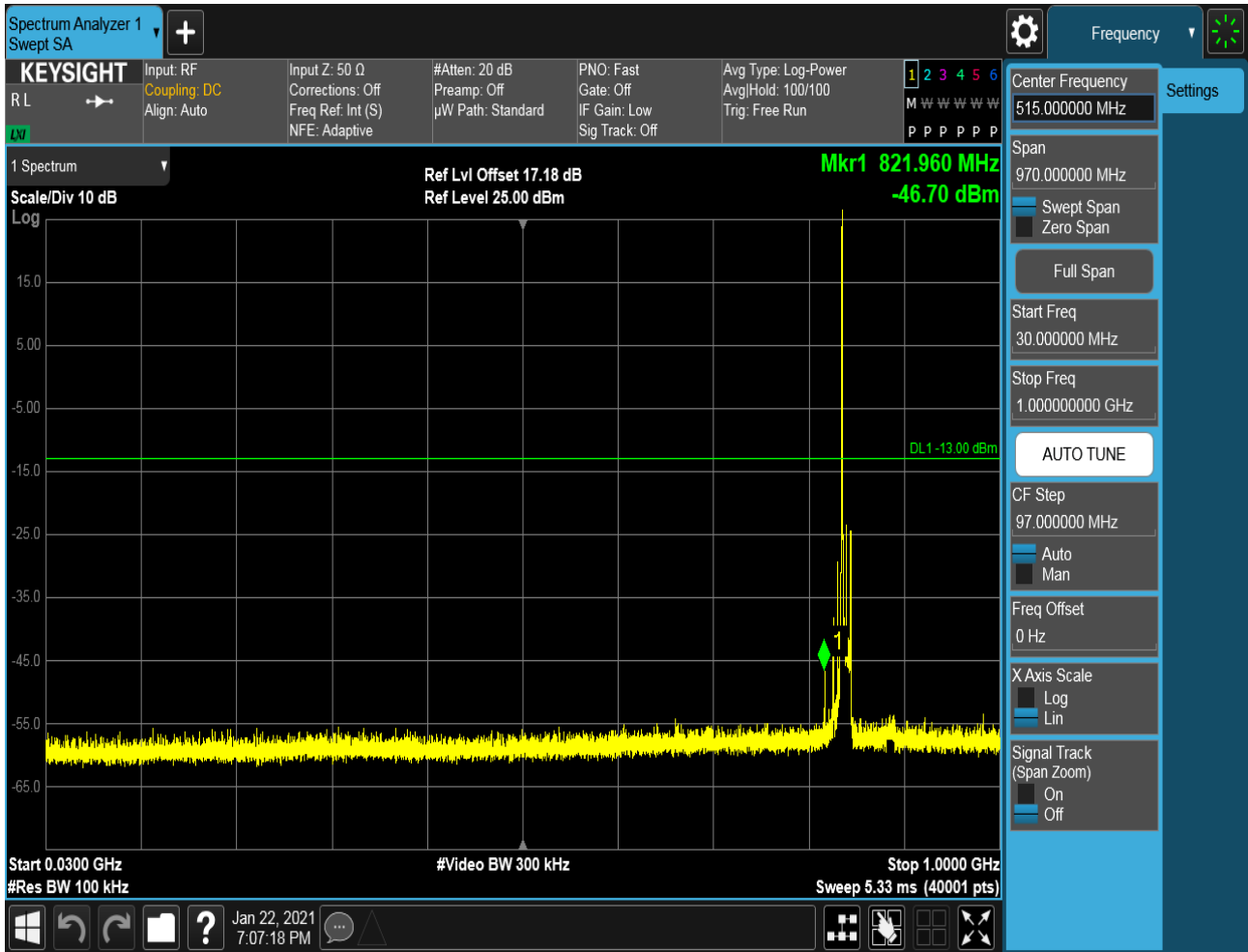
### 6.2.1.2.4.3 Test Channel = HCH

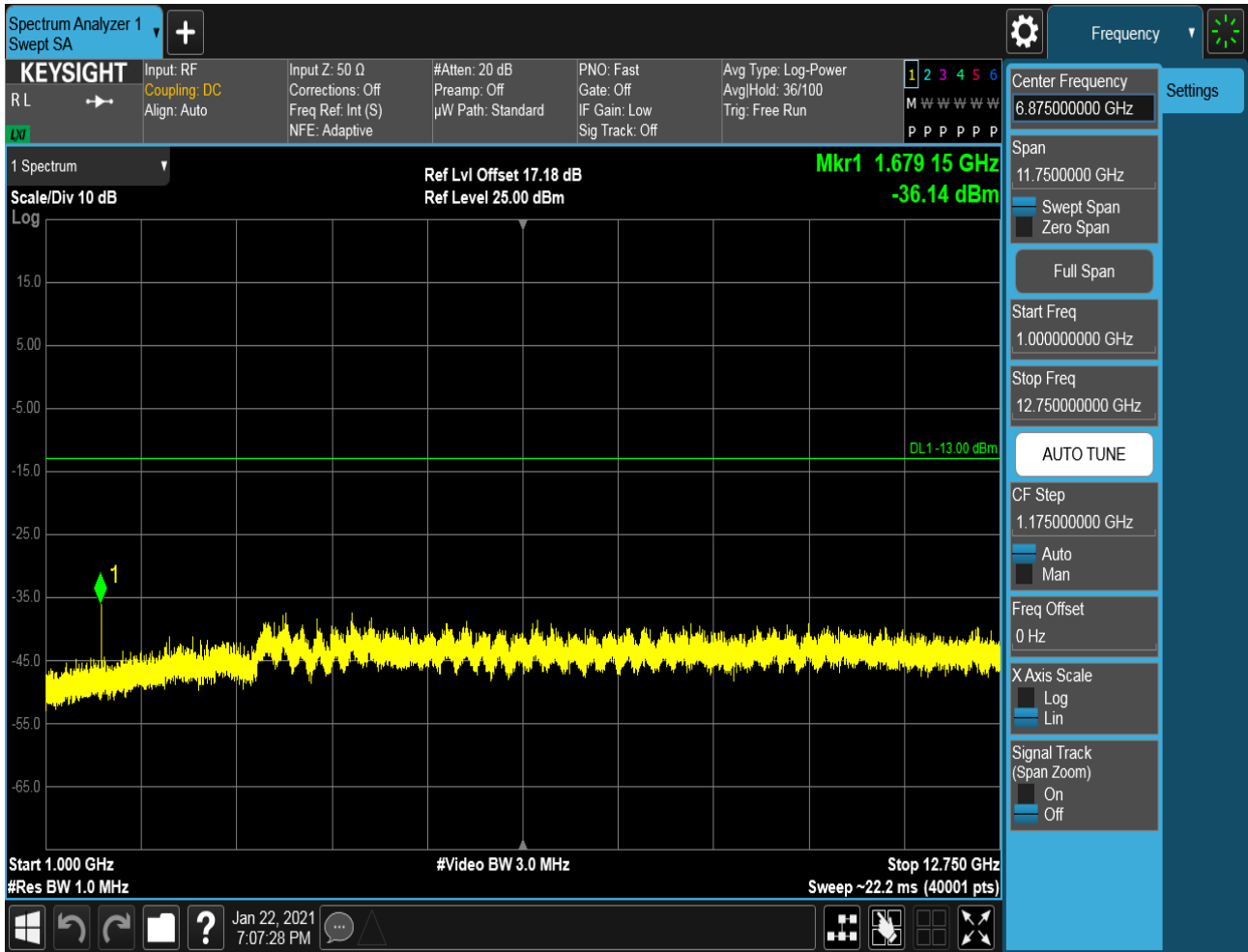
#### 6.2.1.2.4.3.1 Test RB = RB1#0







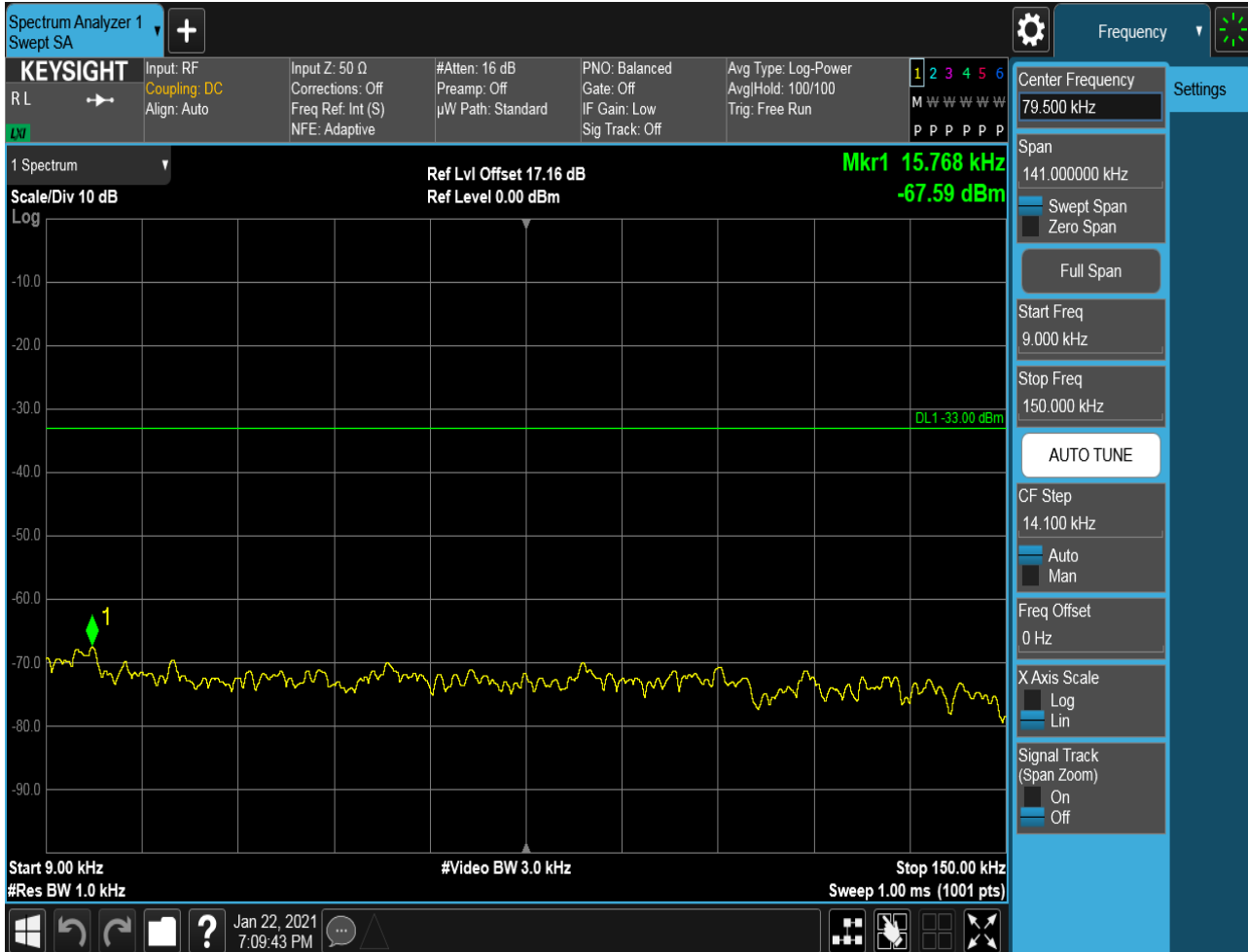


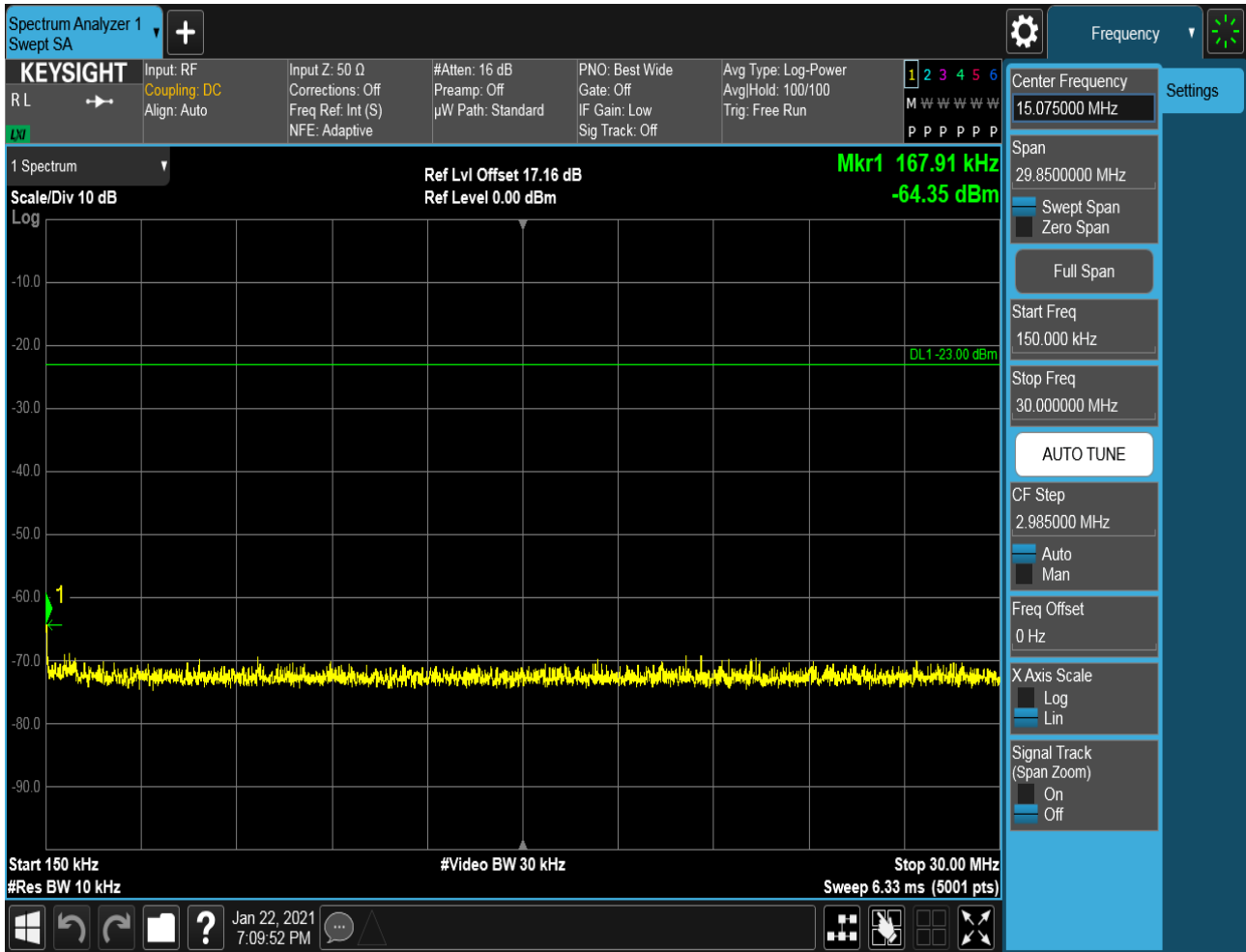


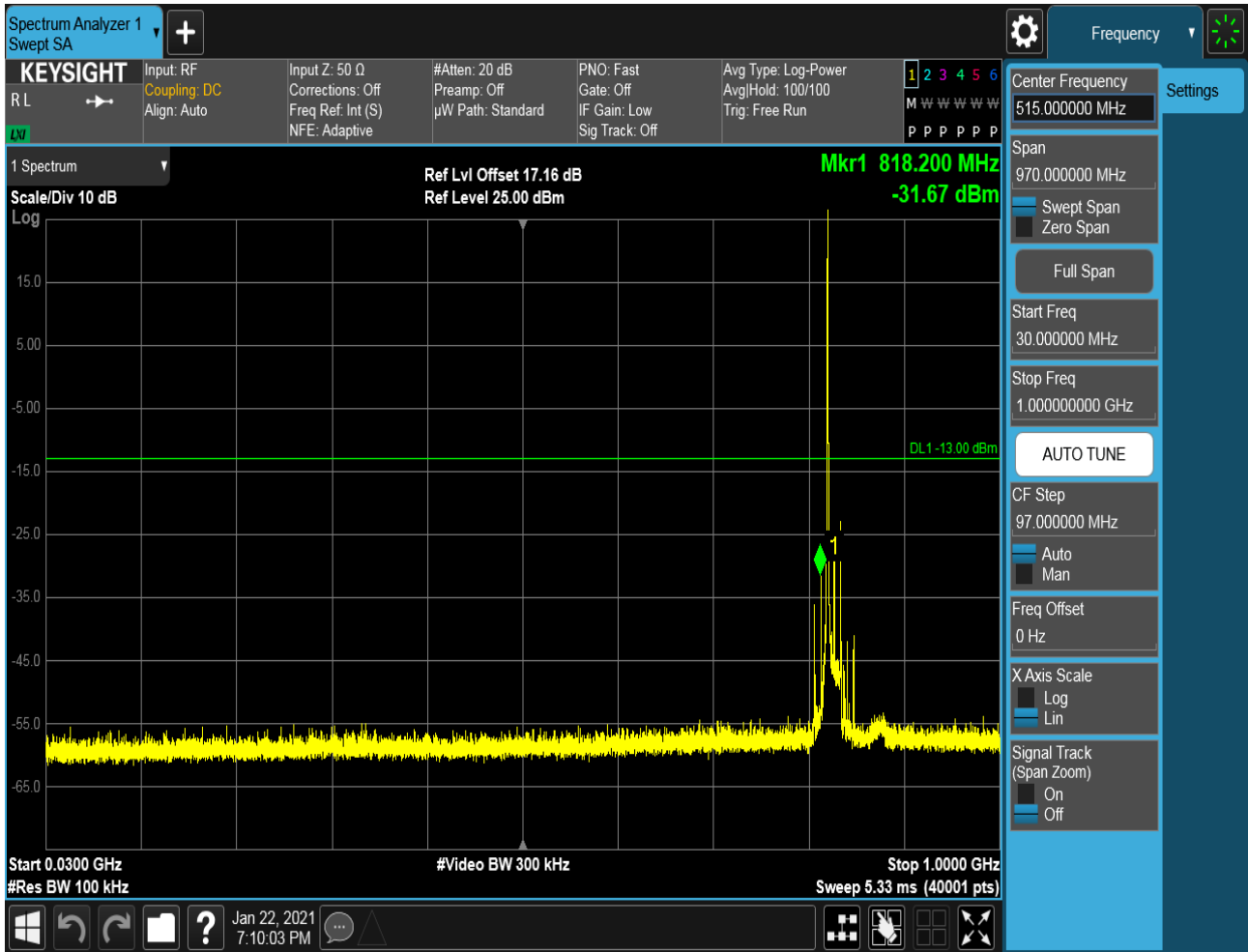
### 6.2.1.2.5 Test Bandwidth = 15

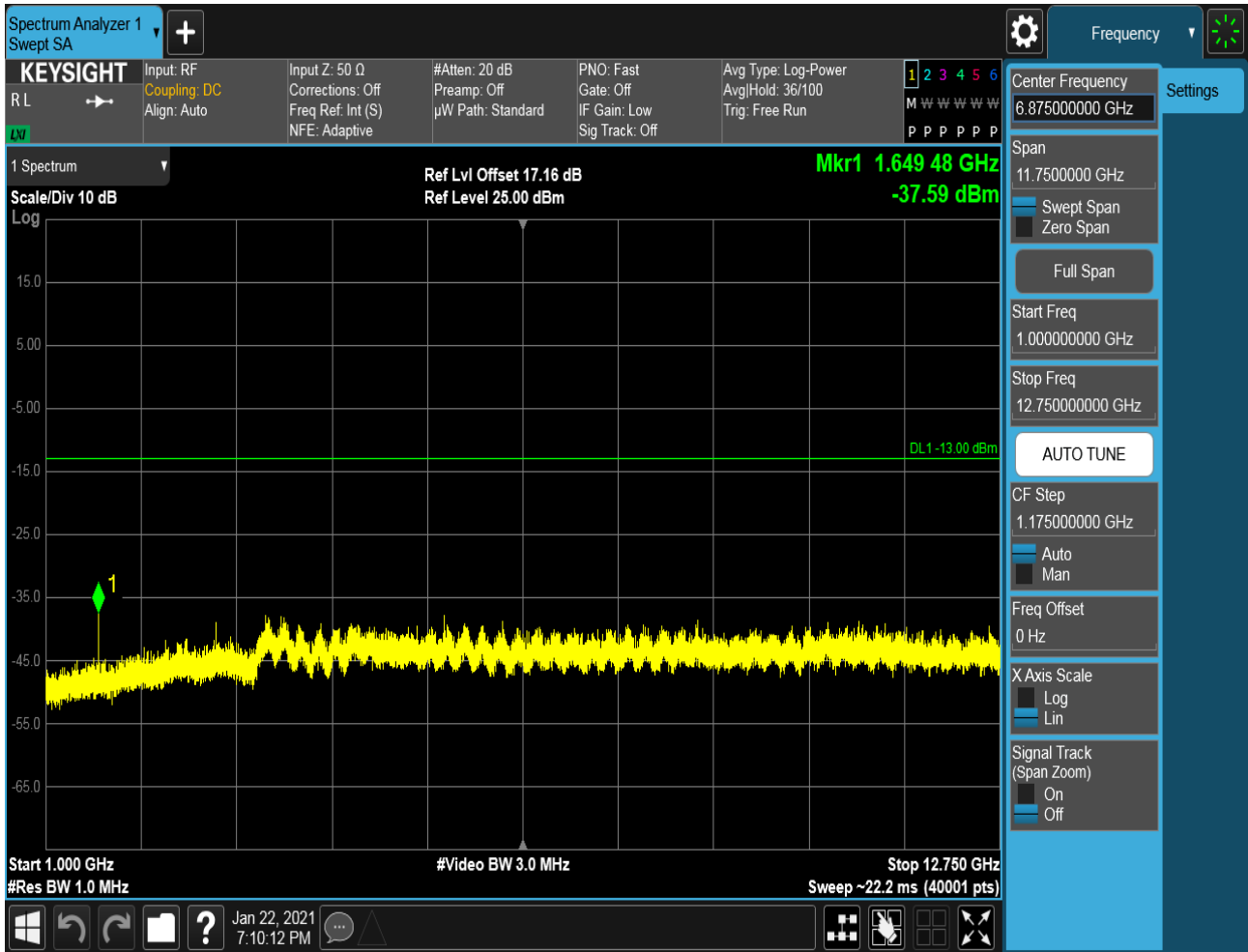
#### 6.2.1.2.5.1 Test Channel = LCH

##### 6.2.1.2.5.1.1 Test RB = RB1#0



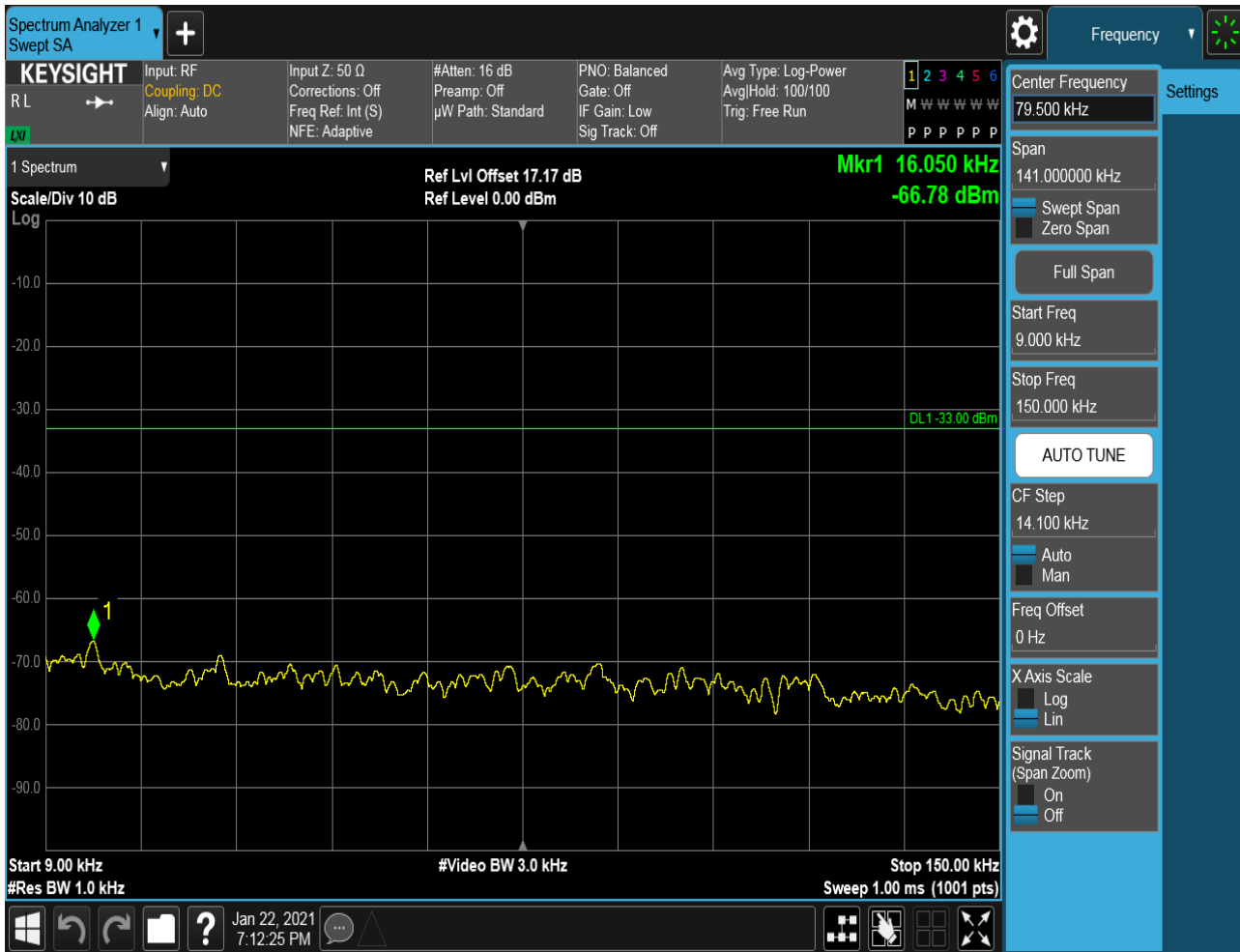


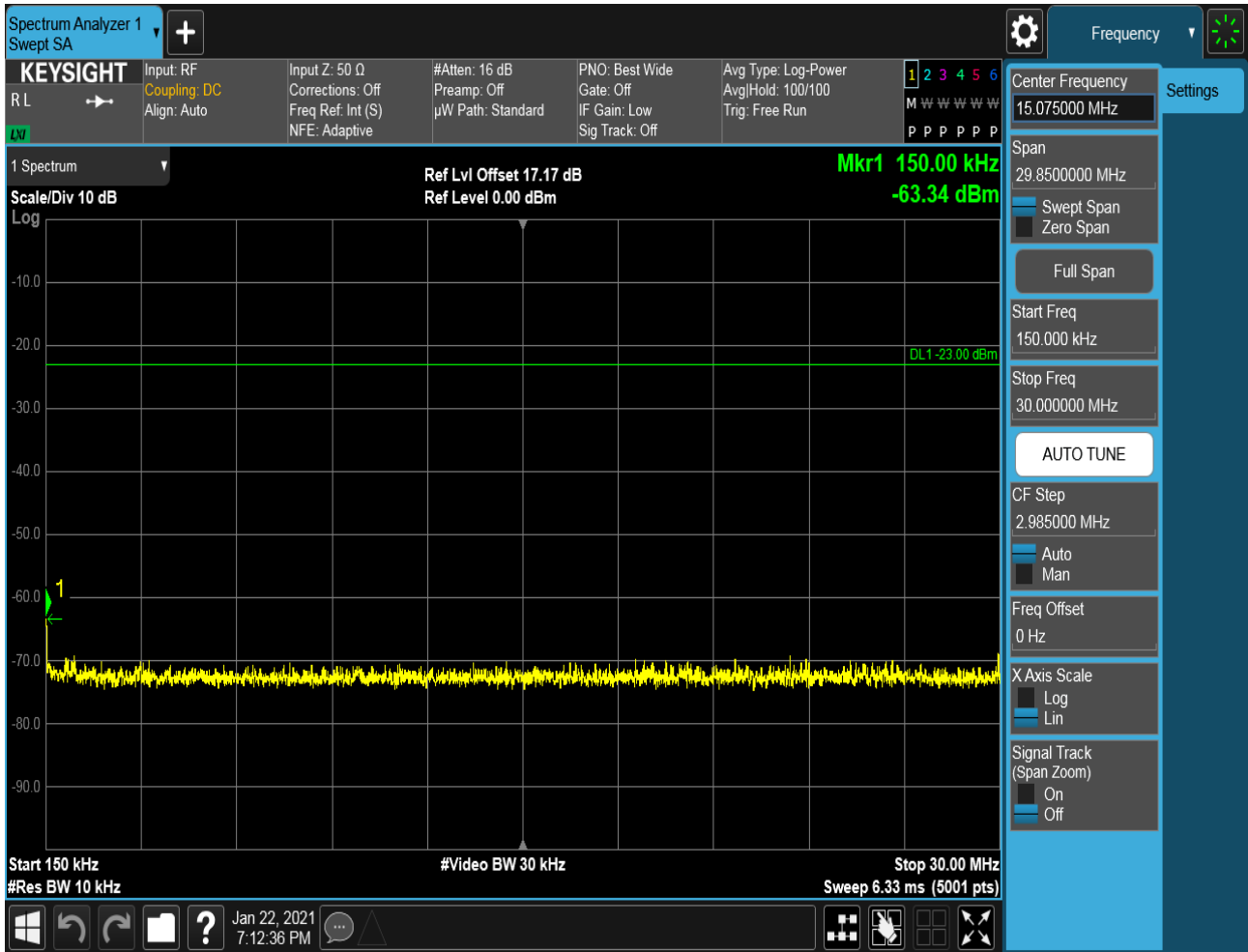




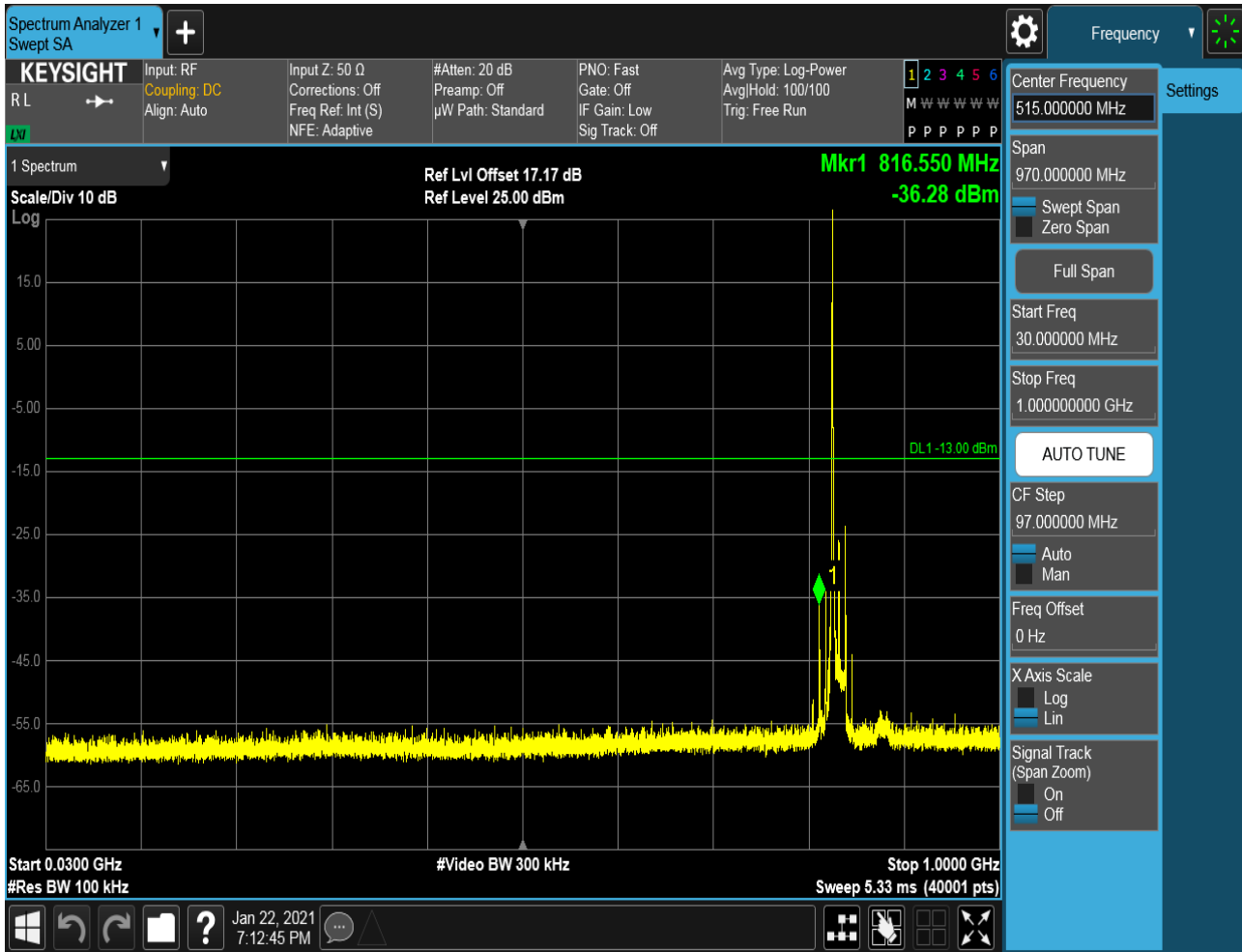
### 6.2.1.2.5.2 Test Channel = MCH

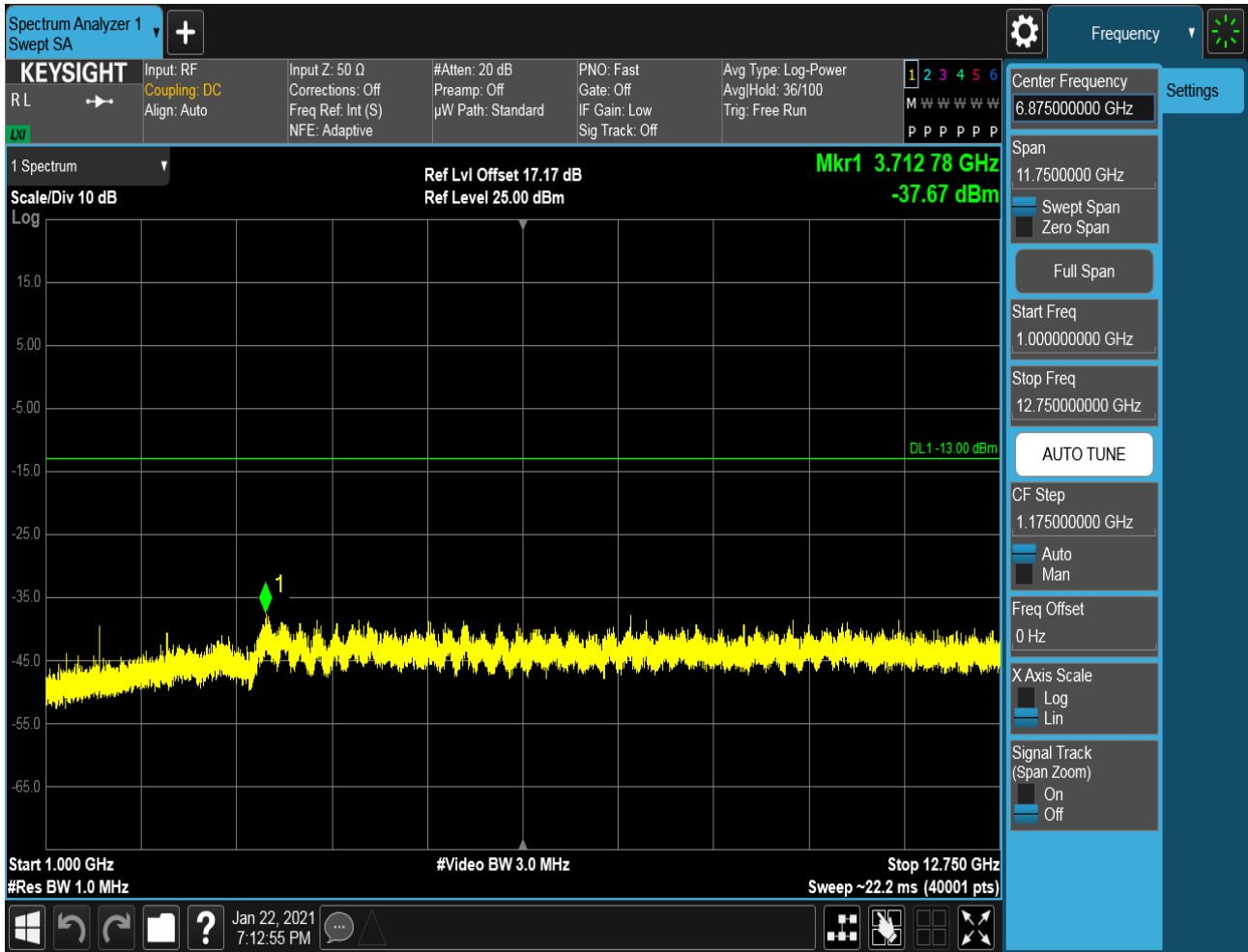
#### 6.2.1.2.5.2.1 Test RB = RB1#0





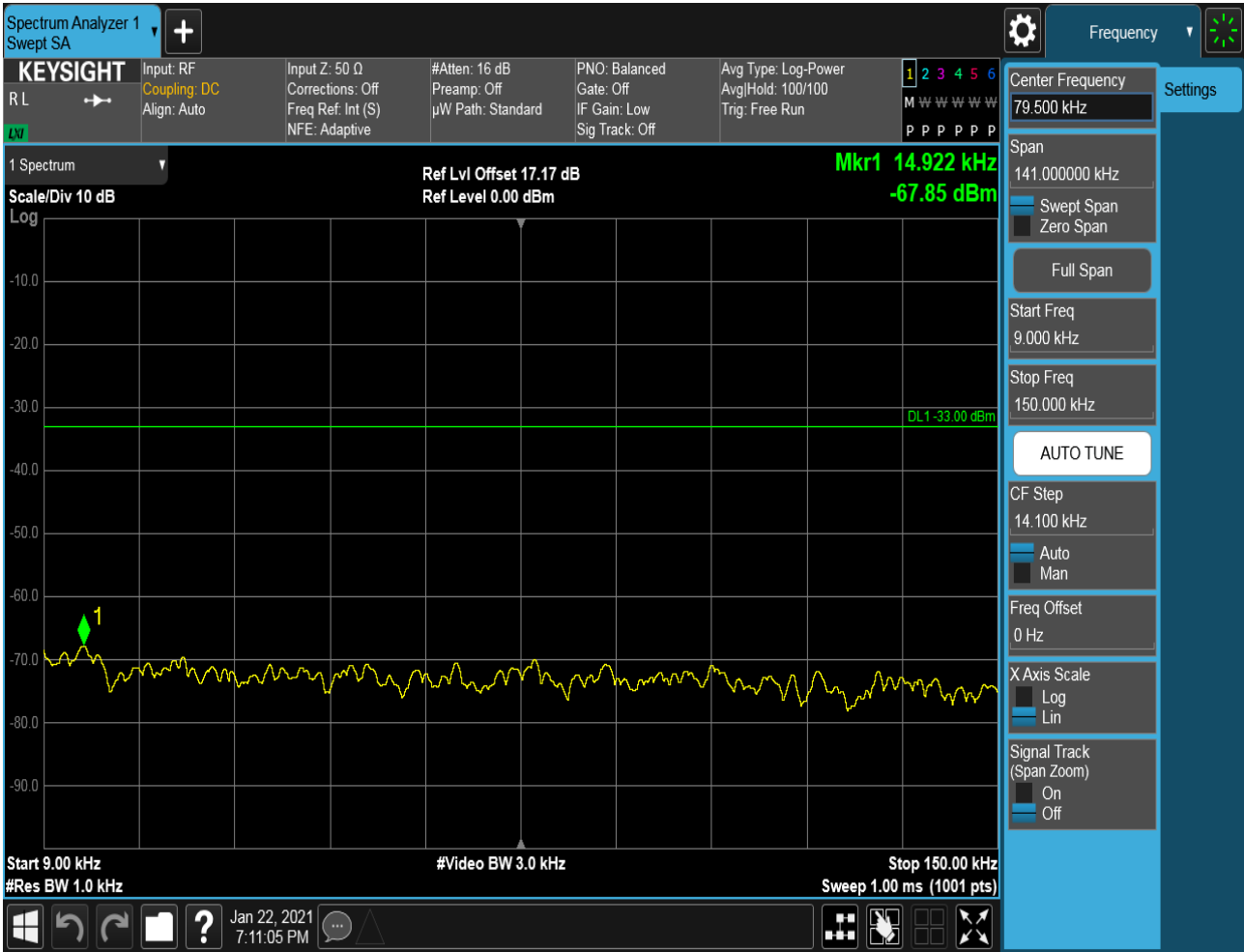


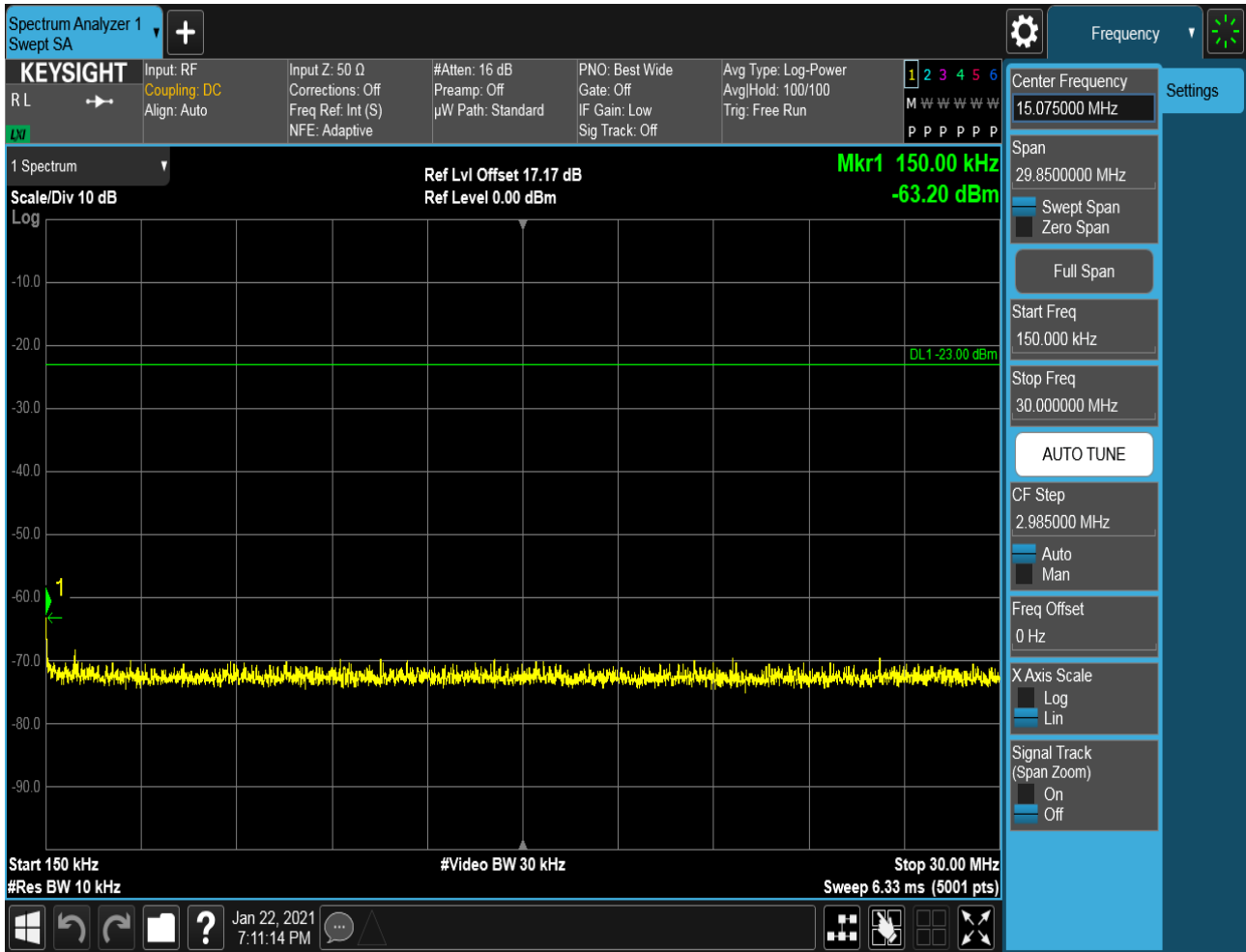


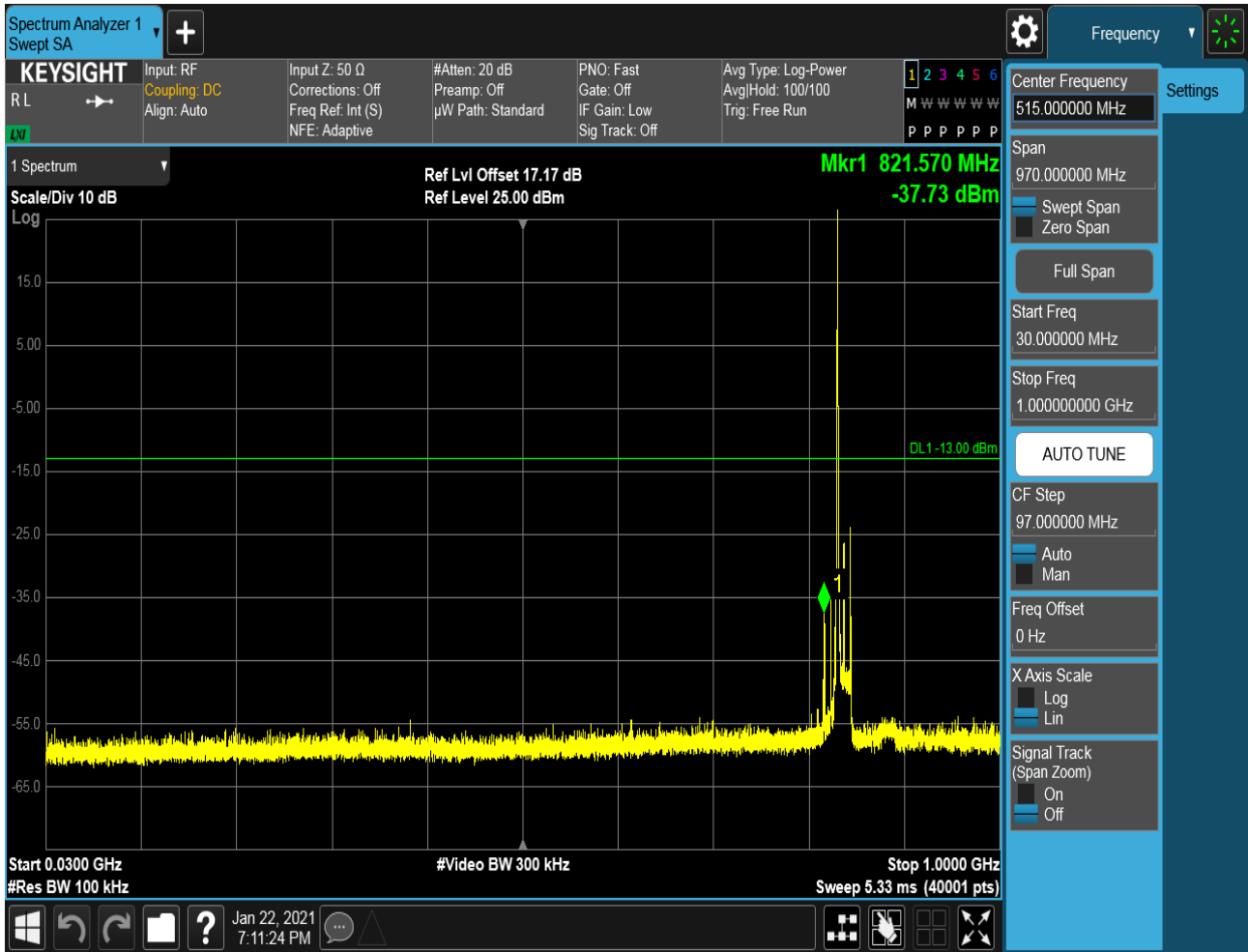


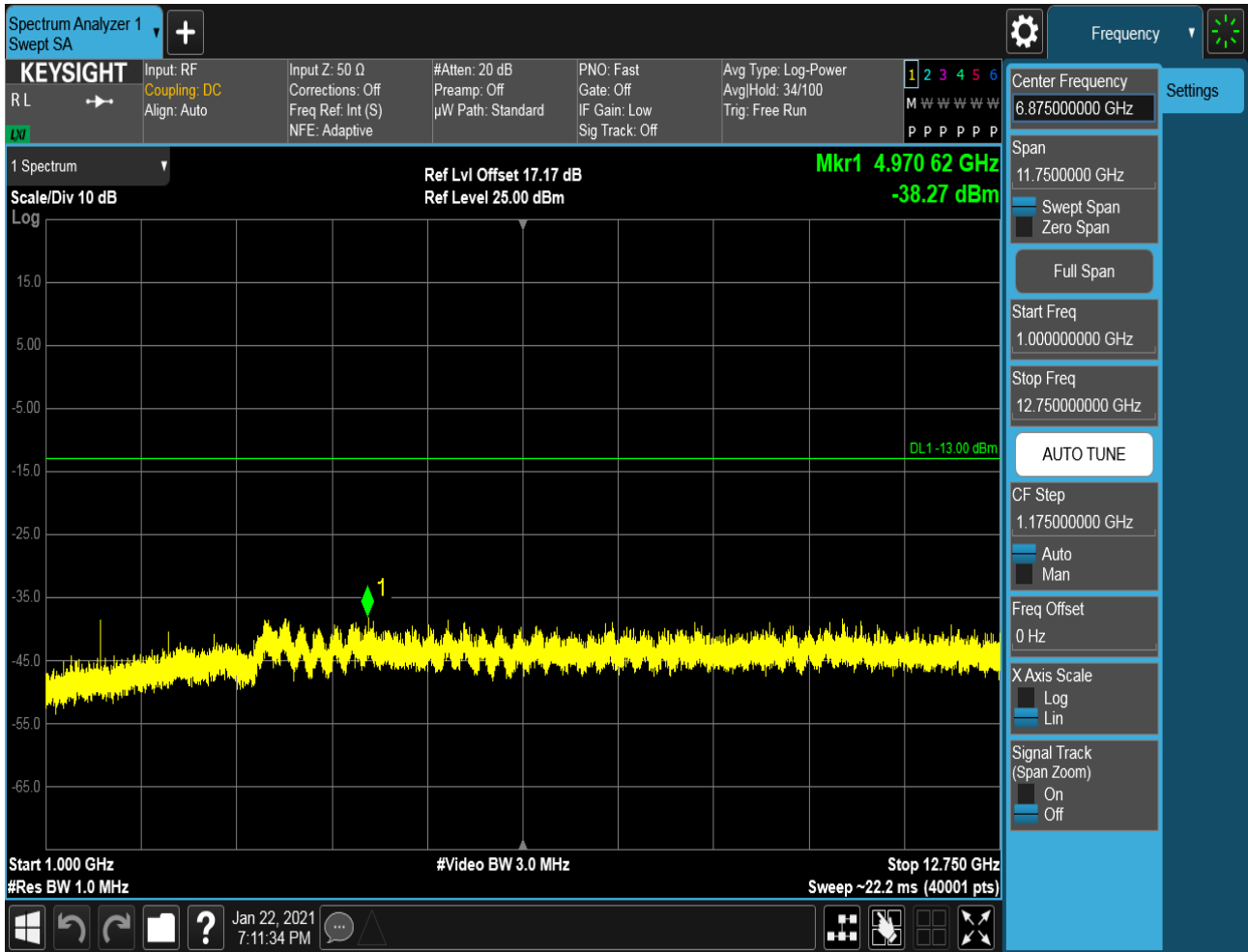
### 6.2.1.2.5.3 Test Channel = HCH

#### 6.2.1.2.5.3.1 Test RB = RB1#0









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

Note: We tested all modes & antennas, 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

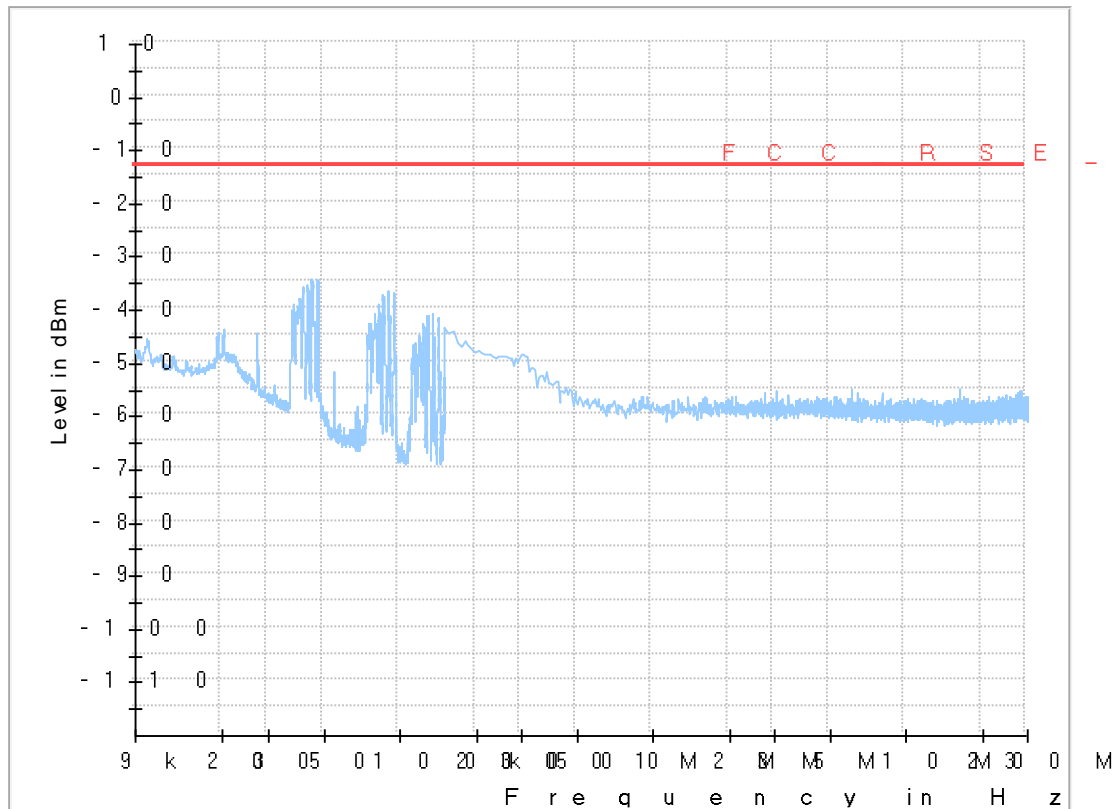
### Part I - Test Plots

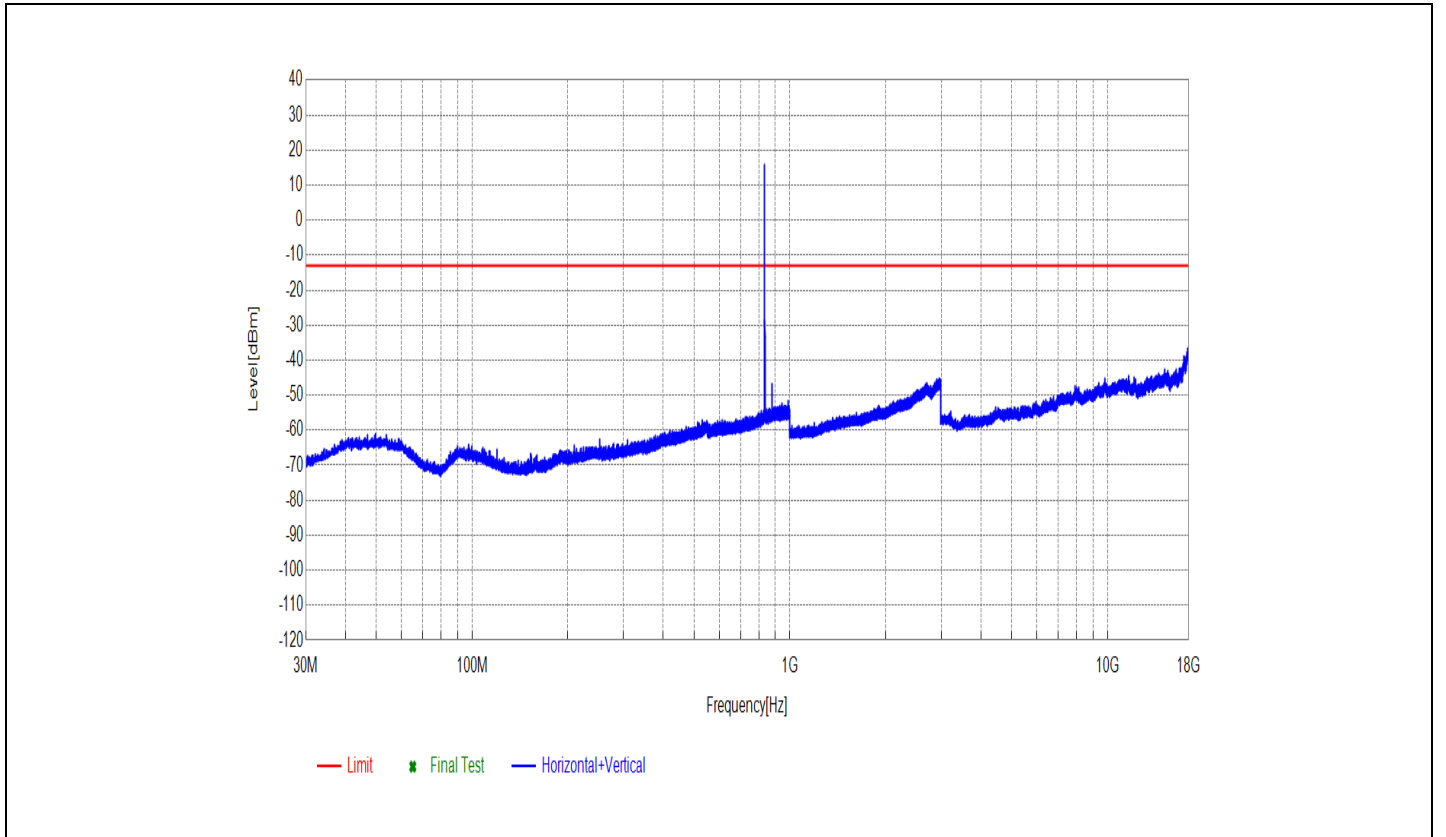
#### 7.1 For LTE

##### 7.1.1 Test Band = Band26 (824MHz-849MHz)

##### 7.1.1.1 Test Bandwidth = 1.4

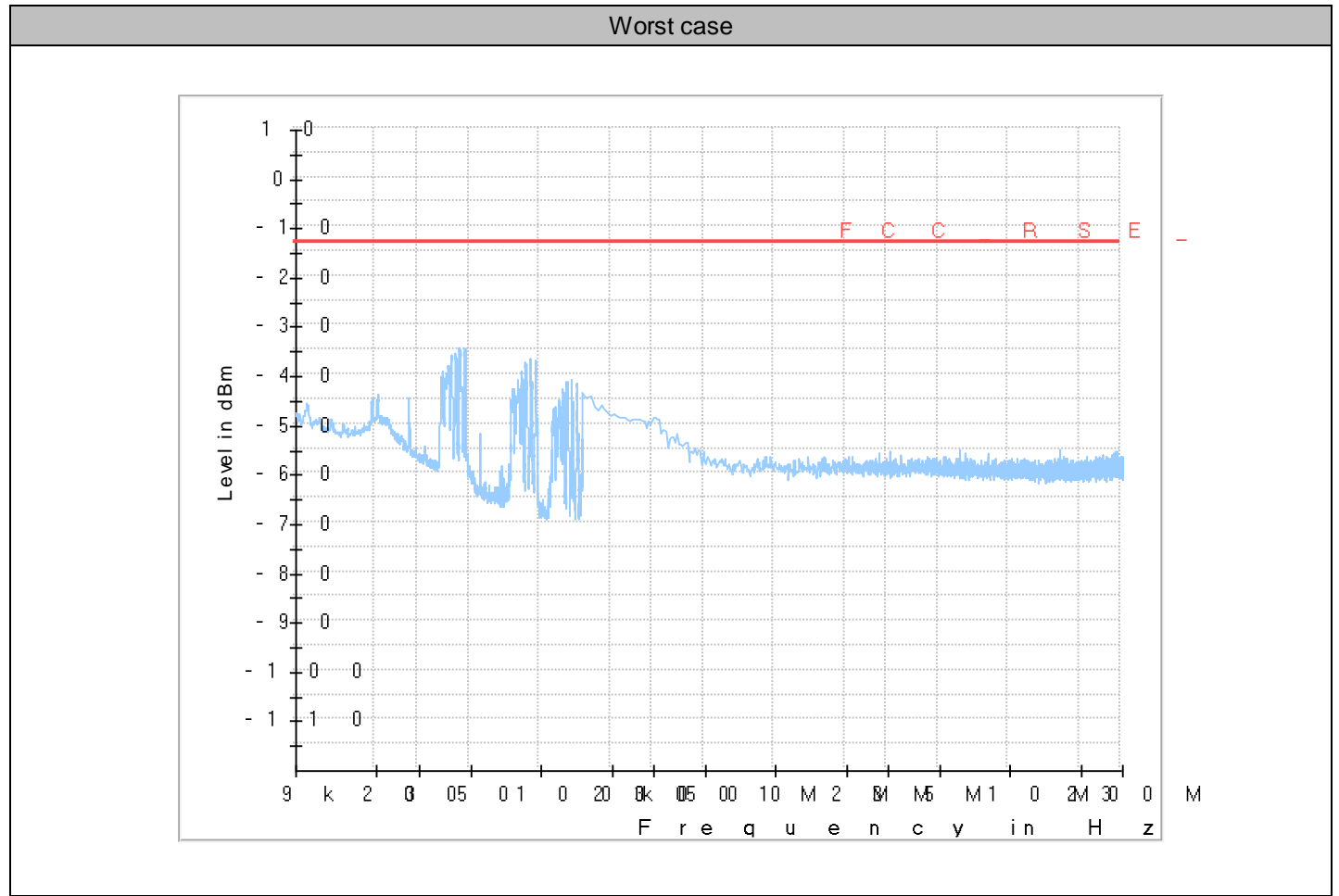
Worst case

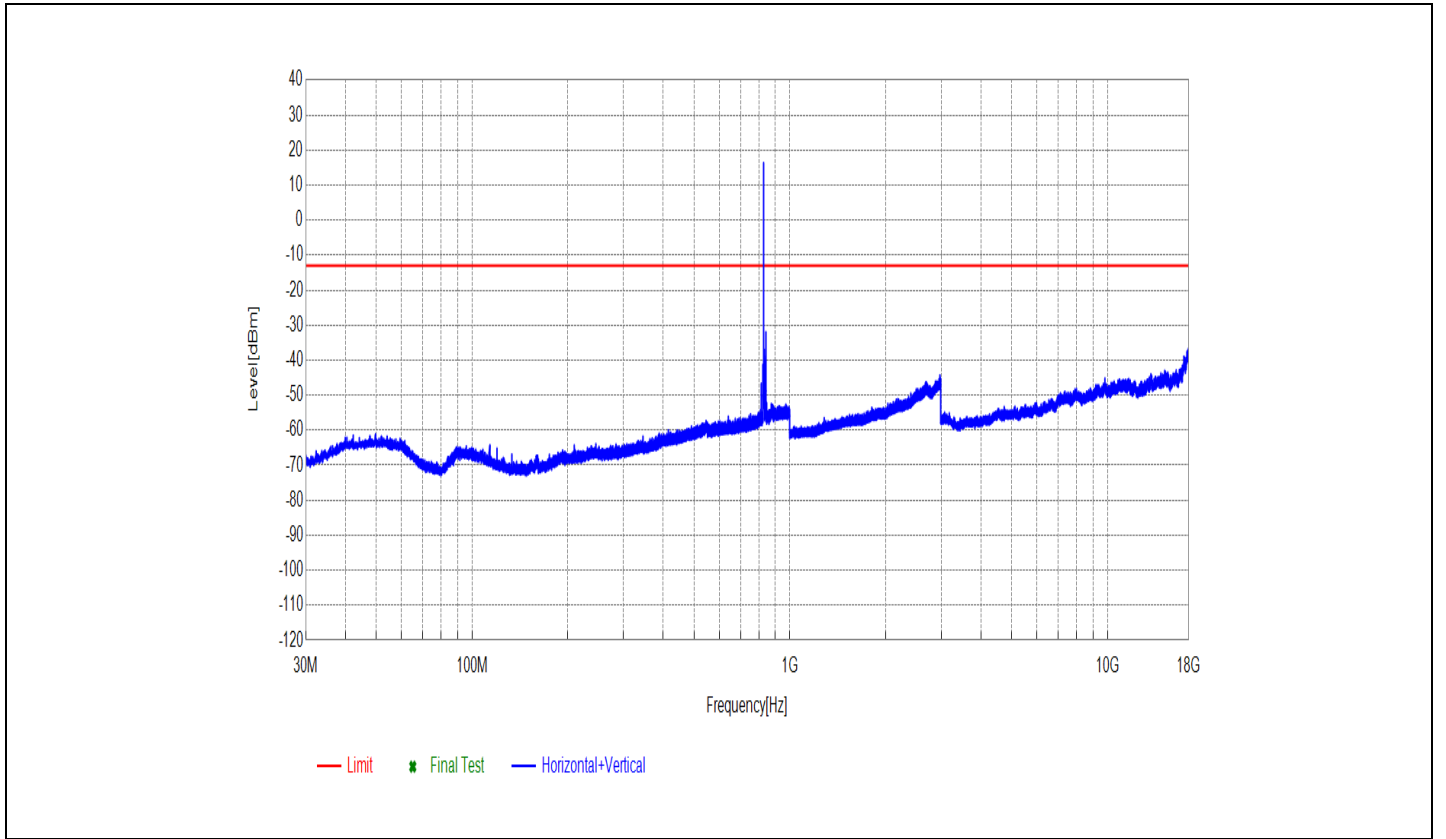






### 7.1.1.2 Test Bandwidth = 15





## 8Appendix\_H: Frequency Stability

### 8.1 For LTE

#### 8.1.1Frequency Error vs. Voltage:

| Test Band                 | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|---------------------------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| Band26<br>(824MHz-849MHz) | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | -18.31055        | -0.02220              | PASS    |
|                           |           |                      |              |            | VN         | -8.25405         | -0.01001              | PASS    |
|                           |           |                      |              |            | VH         | -12.67433        | -0.01537              | PASS    |
|                           |           |                      | MCH          | TN         | VL         | 4.13418          | 0.00494               | PASS    |
|                           |           |                      |              |            | VN         | -7.59602         | -0.00908              | PASS    |
|                           |           |                      |              |            | VH         | 15.07759         | 0.01802               | PASS    |
|                           |           |                      | HCH          | TN         | VL         | -32.64427        | -0.03848              | PASS    |
|                           |           |                      |              |            | VN         | -17.69543        | -0.02086              | PASS    |
|                           |           |                      |              |            | VH         | 3.23296          | 0.00381               | PASS    |
|                           |           | 3                    | LCH          | TN         | VL         | 0.04292          | 0.00005               | PASS    |
|                           |           |                      |              |            | VN         | 14.37664         | 0.01742               | PASS    |
|                           |           |                      |              |            | VH         | 5.85079          | 0.00709               | PASS    |
|                           |           |                      | MCH          | TN         | VL         | 4.59194          | 0.00549               | PASS    |
|                           |           |                      |              |            | VN         | 1.44482          | 0.00173               | PASS    |
|                           |           |                      |              |            | VH         | -3.91960         | -0.00469              | PASS    |
|                           |           |                      | HCH          | TN         | VL         | 4.07696          | 0.00481               | PASS    |
|                           |           |                      |              |            | VN         | 0.48637          | 0.00057               | PASS    |
|                           |           |                      |              |            | VH         | -2.47478         | -0.00292              | PASS    |
|                           |           | 5                    | LCH          | TN         | VL         | -0.18597         | -0.00023              | PASS    |
|                           |           |                      |              |            | VN         | 5.39303          | 0.00653               | PASS    |
|                           |           |                      |              |            | VH         | -3.00407         | -0.00363              | PASS    |
|                           |           |                      | MCH          | TN         | VL         | 10.18524         | 0.01218               | PASS    |
|                           |           |                      |              |            | VN         | 2.00272          | 0.00239               | PASS    |
|                           |           |                      |              |            | VH         | 9.65595          | 0.01154               | PASS    |
|                           |           |                      | HCH          | TN         | VL         | -3.56197         | -0.00421              | PASS    |
|                           |           |                      |              |            | VN         | 3.11851          | 0.00368               | PASS    |
|                           |           |                      |              |            | VH         | 4.03404          | 0.00477               | PASS    |
|                           |           | 10                   | LCH          | TN         | VL         | 3.01838          | 0.00364               | PASS    |
|                           |           |                      |              |            | VN         | 5.97954          | 0.00721               | PASS    |
|                           |           |                      |              |            | VH         | 3.11851          | 0.00376               | PASS    |
| MCH                       | TN        |                      | VL           | 2.61784    | 0.00313    | PASS             |                       |         |
|                           |           |                      | VN           | 0.15736    | 0.00019    | PASS             |                       |         |
|                           |           |                      | VH           | 2.90394    | 0.00347    | 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         | 3.97682          | 0.00471               | PASS     |      |
|           |           |                      |              |            | VN         | -4.79221         | -0.00568              | PASS     |      |
|           |           |                      |              |            | VH         | -1.67370         | -0.00198              | PASS     |      |
|           |           | 15                   | LCH          | TN         | VL         | -3.01838         | -0.00363              | PASS     |      |
|           |           |                      |              |            | VN         | -3.11851         | -0.00375              | PASS     |      |
|           |           |                      |              |            | VH         | -4.20570         | -0.00506              | PASS     |      |
|           |           |                      | MCH          | TN         | VL         | 1.65939          | 0.00198               | PASS     |      |
|           |           |                      |              |            | VN         | -2.64645         | -0.00316              | PASS     |      |
|           |           |                      |              |            | VH         | 0.92983          | 0.00111               | PASS     |      |
|           |           | HCH                  | TN           | VL         | -1.18732   | -0.00141         | PASS                  |          |      |
|           |           |                      |              | VN         | 1.15871    | 0.00138          | PASS                  |          |      |
|           |           |                      |              | VH         | -1.13010   | -0.00134         | PASS                  |          |      |
|           |           | LTE/TM2              | 1.4          | LCH        | TN         | VL               | -3.11851              | -0.00378 | PASS |
|           |           |                      |              |            |            | VN               | 8.71181               | 0.01056  | PASS |
|           |           |                      |              |            |            | VH               | -10.48565             | -0.01271 | PASS |
|           | MCH       |                      |              | TN         | VL         | -0.24319         | -0.00029              | PASS     |      |
|           |           |                      |              |            | VN         | -12.37392        | -0.01479              | PASS     |      |
|           |           |                      |              |            | VH         | 14.19067         | 0.01696               | PASS     |      |
|           | HCH       |                      |              | TN         | VL         | 7.18117          | 0.00847               | PASS     |      |
|           |           |                      |              |            | VN         | -13.79013        | -0.01626              | PASS     |      |
|           |           |                      |              |            | VH         | 3.04699          | 0.00359               | PASS     |      |
|           | 3         |                      | LCH          | TN         | VL         | 5.53608          | 0.00671               | PASS     |      |
|           |           |                      |              |            | VN         | 10.71453         | 0.01298               | PASS     |      |
|           |           |                      |              |            | VH         | 1.10149          | 0.00133               | PASS     |      |
|           |           |                      | MCH          | TN         | VL         | 9.91344          | 0.01185               | PASS     |      |
|           |           |                      |              |            | VN         | 2.03133          | 0.00243               | PASS     |      |
|           |           |                      |              |            | VH         | 4.26292          | 0.00510               | PASS     |      |
|           | HCH       |                      | TN           | VL         | 4.89235    | 0.00577          | PASS                  |          |      |
|           |           |                      |              | VN         | -8.18253   | -0.00965         | PASS                  |          |      |
|           |           | VH                   |              | -5.42164   | -0.00640   | PASS             |                       |          |      |
|           | 5         | LCH                  | TN           | VL         | 2.37465    | 0.00287          | PASS                  |          |      |
|           |           |                      |              | VN         | 6.36578    | 0.00770          | PASS                  |          |      |
|           |           |                      |              | VH         | -0.42915   | -0.00052         | PASS                  |          |      |
|           |           | MCH                  | TN           | VL         | 6.40869    | 0.00766          | PASS                  |          |      |
|           |           |                      |              | VN         | 11.77311   | 0.01407          | PASS                  |          |      |
|           |           |                      |              | VH         | -4.92096   | -0.00588         | PASS                  |          |      |
|           |           | HCH                  | TN           | VL         | -2.41756   | -0.00286         | PASS                  |          |      |
|           |           |                      |              | VN         | 1.23024    | 0.00145          | PASS                  |          |      |
|           |           |                      |              | VH         | -3.87669   | -0.00458         | PASS                  |          |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           | 10                   | LCH          | TN         | VL         | 4.54903          | 0.00549               | PASS    |
|           |           |                      |              |            | VN         | -2.18868         | -0.00264              | PASS    |
|           |           |                      |              |            | VH         | 2.38895          | 0.00288               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.17302         | -0.00140              | PASS    |
|           |           |                      |              |            | VN         | 0.57220          | 0.00068               | PASS    |
|           |           |                      |              |            | VH         | 0.64373          | 0.00077               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.78814         | -0.00212              | PASS    |
|           |           |                      |              |            | VN         | 0.62943          | 0.00075               | PASS    |
|           |           |                      |              |            | VH         | 2.97546          | 0.00353               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -1.84536         | -0.00222              | PASS    |
|           |           |                      |              |            | VN         | 3.24726          | 0.00391               | PASS    |
|           |           |                      |              |            | VH         | 3.06129          | 0.00368               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 4.13418          | 0.00494               | PASS    |
|           |           |                      |              |            | VN         | -1.10149         | -0.00132              | PASS    |
|           |           |                      |              |            | VH         | 0.12875          | 0.00015               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.43187         | -0.00289              | PASS    |
|           |           |                      |              |            | VN         | 5.17845          | 0.00615               | PASS    |
|           |           |                      |              |            | VH         | -2.38895         | -0.00284              | 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 |
|---------------------------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| Band26<br>(824MHz-849MHz) | LTE/TM1   | 1.4                  | LCH          | VN         | -30       | 15.32078         | 0.01858               | PASS    |
|                           |           |                      |              |            | -20       | 15.62119         | 0.01894               | PASS    |
|                           |           |                      |              |            | -10       | 12.98904         | 0.01575               | PASS    |
|                           |           |                      |              |            | 0         | 10.05650         | 0.01219               | PASS    |
|                           |           |                      |              |            | 10        | 16.32214         | 0.01979               | PASS    |
|                           |           |                      |              |            | 20        | -8.25405         | -0.01001              | PASS    |
|                           |           |                      |              |            | 30        | -10.22816        | -0.01240              | PASS    |
|                           |           |                      |              |            | 40        | -14.86301        | -0.01802              | PASS    |
|                           |           |                      |              |            | 50        | -9.25541         | -0.01122              | PASS    |
|                           |           |                      | MCH          | VN         | -30       | 13.10349         | 0.01566               | PASS    |
|                           |           |                      |              |            | -20       | -23.24581        | -0.02779              | PASS    |
|                           |           |                      |              |            | -10       | -12.33101        | -0.01474              | PASS    |
|                           |           |                      |              |            | 0         | -6.20842         | -0.00742              | PASS    |
|                           |           |                      |              |            | 10        | 19.36913         | 0.02315               | PASS    |
|                           |           |                      |              |            | 20        | -7.59602         | -0.00908              | PASS    |
|                           |           |                      |              |            | 30        | 23.04554         | 0.02755               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |          |          |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|----------|----------|------|
|           |           |                      | HCH          | VN         | 40        | 3.69072          | 0.00441               | PASS     |          |          |      |
|           |           |                      |              |            | 50        | 19.34052         | 0.02312               | PASS     |          |          |      |
|           |           |                      |              |            | -30       | 13.26084         | 0.01563               | PASS     |          |          |      |
|           |           |                      |              |            | -20       | -17.39502        | -0.02051              | PASS     |          |          |      |
|           |           |                      |              |            | -10       | 23.08846         | 0.02722               | PASS     |          |          |      |
|           |           |                      |              |            | 0         | -16.27922        | -0.01919              | PASS     |          |          |      |
|           |           |                      |              |            | 10        | 22.51625         | 0.02654               | PASS     |          |          |      |
|           |           |                      |              |            | 20        | -17.69543        | -0.02086              | PASS     |          |          |      |
|           |           |                      |              |            | 30        | 19.42635         | 0.02290               | PASS     |          |          |      |
|           |           |                      |              |            | 40        | 8.92639          | 0.01052               | PASS     |          |          |      |
|           |           | 50                   | 18.19611     | 0.02145    | PASS      |                  |                       |          |          |          |      |
|           |           | 3                    | LCH          | VN         |           |                  | -30                   | 6.70910  | 0.00813  | PASS     |      |
|           |           |                      |              |            |           |                  | -20                   | 8.03947  | 0.00974  | PASS     |      |
|           |           |                      |              |            |           |                  | -10                   | 4.79221  | 0.00581  | PASS     |      |
|           |           |                      |              |            |           |                  | 0                     | -3.33309 | -0.00404 | PASS     |      |
|           |           |                      |              |            |           |                  | 10                    | 10.08511 | 0.01222  | PASS     |      |
|           |           |                      |              |            |           |                  | 20                    | 14.37664 | 0.01742  | PASS     |      |
|           |           |                      |              |            |           |                  | 30                    | 3.99113  | 0.00483  | PASS     |      |
|           |           |                      |              |            |           |                  | 40                    | 0.52929  | 0.00064  | PASS     |      |
|           |           |                      | 50           | 4.77791    | 0.00579   | PASS             |                       |          |          |          |      |
|           |           |                      | MCH          | VN         |           |                  |                       | -30      | 13.46111 | 0.01609  | PASS |
|           |           |                      |              |            |           |                  |                       | -20      | 4.80652  | 0.00575  | PASS |
|           |           |                      |              |            |           |                  |                       | -10      | 12.80308 | 0.01531  | PASS |
|           |           |                      |              |            |           |                  |                       | 0        | 0.37193  | 0.00044  | PASS |
|           |           |                      |              |            |           |                  |                       | 10       | 13.40389 | 0.01602  | PASS |
|           |           |                      |              |            |           |                  |                       | 20       | 1.44482  | 0.00173  | PASS |
|           |           |                      |              |            |           |                  |                       | 30       | 2.37465  | 0.00284  | PASS |
|           |           |                      |              |            |           |                  |                       | 40       | -4.64916 | -0.00556 | PASS |
|           |           |                      | 50           | 0.58651    | 0.00070   | PASS             |                       |          |          |          |      |
|           |           |                      | HCH          | VN         |           |                  |                       | -30      | 3.74794  | 0.00442  | PASS |
|           |           |                      |              |            |           |                  |                       | -20      | 5.32150  | 0.00628  | PASS |
|           |           |                      |              |            |           |                  |                       | -10      | 2.34604  | 0.00277  | PASS |
| 0         | -3.86238  |                      |              |            |           |                  |                       | -0.00456 | PASS     |          |      |
| 10        | -0.27180  |                      |              |            |           |                  |                       | -0.00032 | PASS     |          |      |
| 20        | 0.48637   |                      |              |            |           |                  |                       | 0.00057  | PASS     |          |      |
| 30        | -3.20435  | -0.00378             |              |            |           |                  |                       | PASS     |          |          |      |
| 40        | 1.85966   | 0.00219              |              |            |           |                  |                       | PASS     |          |          |      |
| 50        | 4.39167   | 0.00518              | PASS         |            |           |                  |                       |          |          |          |      |
| 5         | LCH       | VN                   |              |            | -30       | 1.38760          | 0.00168               | PASS     |          |          |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|------|
|           |           |                      |              |            | -20       | -0.17166         | -0.00021              | PASS     |      |
|           |           |                      |              |            | -10       | -7.06673         | -0.00855              | PASS     |      |
|           |           |                      |              |            | 0         | 2.70367          | 0.00327               | PASS     |      |
|           |           |                      |              |            | 10        | 0.68665          | 0.00083               | PASS     |      |
|           |           |                      |              |            | 20        | 5.39303          | 0.00653               | PASS     |      |
|           |           |                      |              |            | 30        | 0.55790          | 0.00068               | PASS     |      |
|           |           |                      |              |            | 40        | -2.68936         | -0.00325              | PASS     |      |
|           |           |                      |              |            | 50        | 5.46455          | 0.00661               | PASS     |      |
|           |           |                      | MCH          | VN         | -30       | 2.66075          | 0.00318               | PASS     |      |
|           |           |                      |              |            | -20       | -0.41485         | -0.00050              | PASS     |      |
|           |           |                      |              |            | -10       | -0.10014         | -0.00012              | PASS     |      |
|           |           |                      |              |            | 0         | 0.64373          | 0.00077               | PASS     |      |
|           |           |                      |              |            | 10        | 3.13282          | 0.00375               | PASS     |      |
|           |           |                      |              |            | 20        | 2.00272          | 0.00239               | PASS     |      |
|           |           |                      |              |            | 30        | 7.61032          | 0.00910               | PASS     |      |
|           |           |                      |              |            | 40        | 4.04835          | 0.00484               | PASS     |      |
|           |           |                      | HCH          | VN         | -30       | 8.81195          | 0.01041               | PASS     |      |
|           |           |                      |              |            | -20       | 11.21521         | 0.01325               | PASS     |      |
|           |           |                      |              |            | -10       | -4.67777         | -0.00553              | PASS     |      |
|           |           |                      |              |            | 0         | 3.50475          | 0.00414               | PASS     |      |
|           |           |                      |              |            | 10        | -0.21458         | -0.00025              | PASS     |      |
|           |           |                      |              |            | 20        | 3.11851          | 0.00368               | PASS     |      |
|           |           |                      |              |            | 30        | 2.83241          | 0.00335               | PASS     |      |
|           |           |                      |              |            | 40        | 8.03947          | 0.00950               | PASS     |      |
|           |           |                      | 10           | LCH        | VN        | -30              | 0.17166               | 0.00021  | PASS |
|           |           |                      |              |            |           | -20              | -1.75953              | -0.00212 | PASS |
|           |           |                      |              |            |           | -10              | -2.16007              | -0.00261 | PASS |
|           |           |                      |              |            |           | 0                | -1.77383              | -0.00214 | PASS |
|           |           | 10                   |              |            |           | 3.06129          | 0.00369               | PASS     |      |
|           |           | 20                   |              |            |           | 5.97954          | 0.00721               | PASS     |      |
|           |           | 30                   |              |            |           | 2.05994          | 0.00248               | PASS     |      |
|           |           | 40                   |              |            |           | 1.90258          | 0.00230               | PASS     |      |
|           |           | 50                   |              | -1.24455   | -0.00150  | PASS             |                       |          |      |
|           |           | MCH                  |              | VN         | -30       | 4.34875          | 0.00520               | PASS     |      |
|           |           |                      |              |            | -20       | 4.94957          | 0.00592               | PASS     |      |
|           |           |                      |              |            | -10       | 1.45912          | 0.00174               | PASS     |      |
|           |           |                      | 0            |            | -2.66075  | -0.00318         | PASS                  |          |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | 0.31471          | 0.00038               | PASS    |
|           |           |                      |              |            | 20        | 0.15736          | 0.00019               | PASS    |
|           |           |                      |              |            | 30        | 2.38895          | 0.00286               | PASS    |
|           |           |                      |              |            | 40        | 4.67777          | 0.00559               | PASS    |
|           |           |                      |              |            | 50        | 5.40733          | 0.00646               | PASS    |
|           |           |                      | HCH          | VN         | -30       | -5.24998         | -0.00622              | PASS    |
|           |           |                      |              |            | -20       | -0.92983         | -0.00110              | PASS    |
|           |           |                      |              |            | -10       | 1.58787          | 0.00188               | PASS    |
|           |           |                      |              |            | 0         | -4.04835         | -0.00480              | PASS    |
|           |           |                      |              |            | 10        | 3.64780          | 0.00432               | PASS    |
|           |           |                      |              |            | 20        | -4.79221         | -0.00568              | PASS    |
|           |           |                      |              |            | 30        | -1.00136         | -0.00119              | PASS    |
|           |           |                      |              |            | 40        | -13.13210        | -0.01556              | PASS    |
|           |           |                      |              |            | 50        | -6.92368         | -0.00820              | PASS    |
|           |           |                      |              |            | 15        | LCH              | VN                    | -30     |
|           |           | -20                  | 1.57356      | 0.00189    |           |                  |                       | PASS    |
|           |           | -10                  | 3.30448      | 0.00397    |           |                  |                       | PASS    |
|           |           | 0                    | -1.48773     | -0.00179   |           |                  |                       | PASS    |
|           |           | 10                   | 4.46320      | 0.00537    |           |                  |                       | PASS    |
|           |           | 20                   | -3.11851     | -0.00375   |           |                  |                       | PASS    |
|           |           | 30                   | -2.83241     | -0.00341   |           |                  |                       | PASS    |
|           |           | 40                   | 0.61512      | 0.00074    |           |                  |                       | PASS    |
|           |           | 50                   | 1.31607      | 0.00158    |           | PASS             |                       |         |
|           |           | MCH                  | VN           | -30        |           | 0.92983          | 0.00111               | PASS    |
|           |           |                      |              | -20        |           | 4.99249          | 0.00597               | PASS    |
|           |           |                      |              | -10        |           | -0.34332         | -0.00041              | PASS    |
|           |           |                      |              | 0          |           | 1.53065          | 0.00183               | PASS    |
|           |           |                      |              | 10         |           | 1.13010          | 0.00135               | PASS    |
|           |           |                      |              | 20         |           | -2.64645         | -0.00316              | PASS    |
|           |           |                      |              | 30         | -1.61648  | -0.00193         | PASS                  |         |
|           |           |                      |              | 40         | 0.40054   | 0.00048          | PASS                  |         |
|           |           | HCH                  | VN           | 50         | 3.34740   | 0.00400          | PASS                  |         |
|           |           |                      |              | -30        | 2.58923   | 0.00308          | PASS                  |         |
|           |           |                      |              | -20        | -3.01838  | -0.00359         | PASS                  |         |
|           |           |                      |              | -10        | -1.45912  | -0.00173         | PASS                  |         |
|           |           |                      |              | 0          | 2.74658   | 0.00326          | PASS                  |         |
| 10        | 3.06129   |                      |              | 0.00364    | PASS      |                  |                       |         |
| 20        | 1.15871   |                      |              | 0.00138    | PASS      |                  |                       |         |
| 30        | 5.96523   | 0.00709              | 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         | 40        | 1.93119          | 0.00229               | PASS    |
|           |           |                      |              |            | 50        | -0.58651         | -0.00070              | PASS    |
|           |           |                      |              |            | -30       | -0.38624         | -0.00047              | PASS    |
|           |           |                      |              |            | -20       | 16.26492         | 0.01972               | PASS    |
|           |           |                      |              |            | -10       | 31.15654         | 0.03778               | PASS    |
|           |           |                      |              |            | 0         | 15.43522         | 0.01872               | PASS    |
|           |           |                      |              |            | 10        | 6.25134          | 0.00758               | PASS    |
|           |           |                      |              |            | 20        | 8.71181          | 0.01056               | PASS    |
|           |           |                      |              |            | 30        | -21.51489        | -0.02609              | PASS    |
|           |           |                      |              |            | 40        | -6.36578         | -0.00772              | PASS    |
|           |           |                      | 50           | 7.32422    | 0.00888   | PASS             |                       |         |
|           |           |                      | MCH          | VN         | -30       | 8.15391          | 0.00975               | PASS    |
|           |           |                      |              |            | -20       | -15.66410        | -0.01873              | PASS    |
|           |           |                      |              |            | -10       | -15.43522        | -0.01845              | PASS    |
|           |           |                      |              |            | 0         | -21.61503        | -0.02584              | PASS    |
|           |           |                      |              |            | 10        | 12.01630         | 0.01436               | PASS    |
|           |           |                      |              |            | 20        | -12.37392        | -0.01479              | PASS    |
|           |           |                      |              |            | 30        | 9.16958          | 0.01096               | PASS    |
|           |           | 40                   |              |            | -2.90394  | -0.00347         | PASS                  |         |
|           |           | HCH                  | VN           | 50         | 28.26691  | 0.03379          | PASS                  |         |
|           |           |                      |              | -30        | 21.77238  | 0.02567          | PASS                  |         |
|           |           |                      |              | -20        | -14.80579 | -0.01745         | PASS                  |         |
|           |           |                      |              | -10        | 22.91679  | 0.02701          | PASS                  |         |
|           |           |                      |              | 0          | -17.00878 | -0.02005         | PASS                  |         |
|           |           |                      |              | 10         | 25.04826  | 0.02953          | PASS                  |         |
|           |           |                      |              | 20         | -13.79013 | -0.01626         | PASS                  |         |
|           |           |                      |              | 30         | 18.91136  | 0.02229          | PASS                  |         |
|           |           | 3                    | LCH          | VN         | 40        | 0.25749          | 0.00030               | PASS    |
|           |           |                      |              |            | 50        | 7.96795          | 0.00939               | PASS    |
|           |           |                      |              |            | -30       | -5.86510         | -0.00710              | PASS    |
|           |           |                      |              |            | -20       | 3.04699          | 0.00369               | PASS    |
|           |           |                      |              |            | -10       | 4.01974          | 0.00487               | PASS    |
| 0         | -4.90665  |                      |              |            | -0.00594  | PASS             |                       |         |
| 10        | 0.01431   |                      |              |            | 0.00002   | PASS             |                       |         |
| 20        | 10.71453  |                      |              |            | 0.01298   | PASS             |                       |         |
| 30        | 5.24998   |                      |              |            | 0.00636   | PASS             |                       |         |
| 40        | 5.23567   |                      | 0.00634      | PASS       |           |                  |                       |         |
| MCH       | VN        | 50                   | 8.39710      | 0.01017    | PASS      |                  |                       |         |
| MCH       | VN        | -30                  | 9.24110      | 0.01105    | PASS      |                  |                       |         |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |          |          |          |         |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|----------|----------|----------|---------|------|
|           |           |                      |              |            | -20       | 0.71526          | 0.00086               | PASS     |          |          |          |         |      |
|           |           |                      |              |            | -10       | 4.20570          | 0.00503               | PASS     |          |          |          |         |      |
|           |           |                      |              |            | 0         | 15.39230         | 0.01840               | PASS     |          |          |          |         |      |
|           |           |                      |              |            | 10        | -10.98633        | -0.01313              | PASS     |          |          |          |         |      |
|           |           |                      |              |            | 20        | 2.03133          | 0.00243               | PASS     |          |          |          |         |      |
|           |           |                      |              |            | 30        | -0.52929         | -0.00063              | PASS     |          |          |          |         |      |
|           |           |                      |              |            | 40        | 11.42979         | 0.01366               | PASS     |          |          |          |         |      |
|           |           |                      |              |            | 50        | 10.91480         | 0.01305               | PASS     |          |          |          |         |      |
|           |           |                      | HCH          | VN         |           |                  |                       | -30      | 8.89778  | 0.01050  | PASS     |         |      |
|           |           |                      |              |            |           |                  |                       | -20      | 3.07560  | 0.00363  | PASS     |         |      |
|           |           |                      |              |            |           |                  |                       | -10      | -5.79357 | -0.00684 | PASS     |         |      |
|           |           |                      |              |            |           |                  |                       | 0        | 0.01431  | 0.00002  | PASS     |         |      |
|           |           |                      |              |            |           |                  |                       | 10       | 8.18253  | 0.00965  | PASS     |         |      |
|           |           |                      |              |            |           |                  |                       | 20       | -8.18253 | -0.00965 | PASS     |         |      |
|           |           | LCH                  | VN           |            |           |                  | 30                    | 0.52929  | 0.00062  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 40                    | 2.48909  | 0.00294  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 50                    | -0.77248 | -0.00091 | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | -30                   | -1.91688 | -0.00232 | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | -20                   | -1.97411 | -0.00239 | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | -10                   | -2.86102 | -0.00346 | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 0                     | -1.51634 | -0.00183 | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 10                    | -5.16415 | -0.00625 | PASS     |          |         |      |
|           |           | 5                    |              |            | MCH       | VN               | 20                    | 6.36578  | 0.00770  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 30                    | 0.58651  | 0.00071  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 40                    | -4.56333 | -0.00552 | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 50                    | 9.64165  | 0.01167  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | -30                   | 8.05378  | 0.00963  | PASS     |          |         |      |
|           |           |                      |              |            | HCH       | VN               |                       |          |          | -20      | 5.63621  | 0.00674 | PASS |
|           |           |                      |              |            |           |                  |                       |          |          | -10      | 2.10285  | 0.00251 | PASS |
|           |           |                      |              |            |           |                  |                       |          |          | 0        | 0.34332  | 0.00041 | PASS |
|           |           |                      |              |            |           |                  |                       |          |          | 10       | 7.78198  | 0.00930 | PASS |
|           |           |                      |              |            |           |                  |                       |          |          | 20       | 11.77311 | 0.01407 | PASS |
|           |           |                      |              |            |           |                  | 30                    | 10.22816 | 0.01223  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 40                    | 9.49860  | 0.01136  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 50                    | 9.69887  | 0.01159  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | -30                   | 6.42300  | 0.00759  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | -20                   | 8.16822  | 0.00965  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | -10                   | 1.02997  | 0.00122  | PASS     |          |         |      |
|           |           |                      |              |            |           |                  | 0                     | 3.03268  | 0.00358  | PASS     |          |         |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |         |      |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|---------|------|
|           |           |                      |              |            | 10        | 6.26564          | 0.00740               | PASS    |         |      |
|           |           |                      |              |            | 20        | 1.23024          | 0.00145               | PASS    |         |      |
|           |           |                      |              |            | 30        | 5.35011          | 0.00632               | PASS    |         |      |
|           |           |                      |              |            | 40        | 11.31535         | 0.01337               | PASS    |         |      |
|           |           |                      |              |            | 50        | 4.57764          | 0.00541               | PASS    |         |      |
|           |           | 10                   | LCH          | VN         | -30       | 3.73364          | 0.00450               | PASS    |         |      |
|           |           |                      |              |            | -20       | 1.61648          | 0.00195               | PASS    |         |      |
|           |           |                      |              |            | -10       | 4.11987          | 0.00497               | PASS    |         |      |
|           |           |                      |              |            | 0         | 0.81539          | 0.00098               | PASS    |         |      |
|           |           |                      |              |            | 10        | 5.29289          | 0.00638               | PASS    |         |      |
|           |           |                      |              |            | 20        | -2.18868         | -0.00264              | PASS    |         |      |
|           |           |                      |              |            | 30        | 3.90530          | 0.00471               | PASS    |         |      |
|           |           |                      |              |            | 40        | 3.39031          | 0.00409               | PASS    |         |      |
|           |           |                      |              |            | 50        | 3.16143          | 0.00381               | PASS    |         |      |
|           |           |                      |              |            | MCH       | VN               | -30                   | 5.82218 | 0.00696 | PASS |
|           |           |                      |              |            |           |                  | -20                   | 2.91824 | 0.00349 | PASS |
|           |           |                      | -10          | -0.34332   |           |                  | -0.00041              | PASS    |         |      |
|           |           |                      | 0            | -0.68665   |           |                  | -0.00082              | PASS    |         |      |
|           |           |                      | 10           | -4.56333   |           |                  | -0.00546              | PASS    |         |      |
|           |           |                      | 20           | 0.57220    |           |                  | 0.00068               | PASS    |         |      |
|           |           |                      | 30           | -2.47478   |           |                  | -0.00296              | PASS    |         |      |
|           |           |                      | 40           | 3.30448    |           |                  | 0.00395               | PASS    |         |      |
|           |           |                      | HCH          | VN         | -30       | -1.28746         | -0.00153              | PASS    |         |      |
|           |           |                      |              |            | -20       | 4.84943          | 0.00575               | PASS    |         |      |
|           |           |                      |              |            | -10       | -1.45912         | -0.00173              | PASS    |         |      |
|           |           |                      |              |            | 0         | 4.54903          | 0.00539               | PASS    |         |      |
|           |           |                      |              |            | 10        | 2.83241          | 0.00336               | PASS    |         |      |
|           |           |                      |              |            | 20        | 0.62943          | 0.00075               | PASS    |         |      |
|           |           | 30                   |              |            | -2.24590  | -0.00266         | PASS                  |         |         |      |
|           |           | 40                   |              |            | 4.93527   | 0.00585          | PASS                  |         |         |      |
|           |           | 15                   | LCH          | VN         | 50        | 1.94550          | 0.00231               | PASS    |         |      |
|           |           |                      |              |            | -30       | -2.37465         | -0.00286              | PASS    |         |      |
|           |           |                      |              |            | -20       | 2.47478          | 0.00298               | PASS    |         |      |
| -10       | -1.25885  |                      |              |            | -0.00151  | PASS             |                       |         |         |      |
| 0         | 1.02997   |                      |              |            | 0.00124   | PASS             |                       |         |         |      |
| 10        | -4.80652  |                      |              |            | -0.00578  | PASS             |                       |         |         |      |
| 20        | 3.24726   |                      |              |            | 0.00391   | PASS             |                       |         |         |      |
| 30        | -1.04427  | -0.00126             | PASS         |            |           |                  |                       |         |         |      |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict  |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|
|           |           |                      |              |            | 40        | 0.25749          | 0.00031               | PASS     |
|           |           |                      |              |            | 50        | -0.48637         | -0.00058              | PASS     |
|           |           |                      | MCH          | VN         | -30       | -4.40597         | -0.00527              | PASS     |
|           |           |                      |              |            | -20       | 3.29018          | 0.00393               | PASS     |
|           |           |                      |              |            | -10       | 3.46184          | 0.00414               | PASS     |
|           |           |                      |              |            | 0         | 1.60217          | 0.00192               | PASS     |
|           |           |                      |              |            | 10        | 0.94414          | 0.00113               | PASS     |
|           |           |                      |              |            | 20        | -1.10149         | -0.00132              | PASS     |
|           |           |                      |              |            | 30        | -0.77248         | -0.00092              | PASS     |
|           |           |                      |              |            | 40        | -0.95844         | -0.00115              | PASS     |
|           |           |                      |              |            | 50        | 1.18732          | 0.00142               | PASS     |
|           |           |                      |              |            | HCH       | VN               | -30                   | -2.43187 |
|           |           |                      | -20          | 2.05994    |           |                  | 0.00245               | PASS     |
|           |           |                      | -10          | -2.68936   |           |                  | -0.00320              | PASS     |
|           |           |                      | 0            | -1.51634   |           |                  | -0.00180              | PASS     |
|           |           |                      | 10           | -1.80244   |           |                  | -0.00214              | PASS     |
|           |           |                      | 20           | 5.17845    |           |                  | 0.00615               | PASS     |
|           |           |                      | 30           | -1.00136   |           |                  | -0.00119              | PASS     |
|           |           |                      | 40           | 2.08855    |           |                  | 0.00248               | PASS     |
|           |           |                      | 50           | -3.86238   | -0.00459  | PASS             |                       |          |

END