

#### 5.1.1.2.4.2 Test Channel = HCH

##### 5.1.1.2.4.2.1 Test RB = RB1#0



## 5.1.1.2.4.2.2 Test RB = RB1#49



### 5.1.1.2.4.2.3 Test RB = RB25#13



# 5.1.1.2.4.2.4 Test RB = RB50#0



## 6Appendix\_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

### Part I - Test Plots

#### 6.1 For LTE

##### 6.1.1 Test Band = Band5

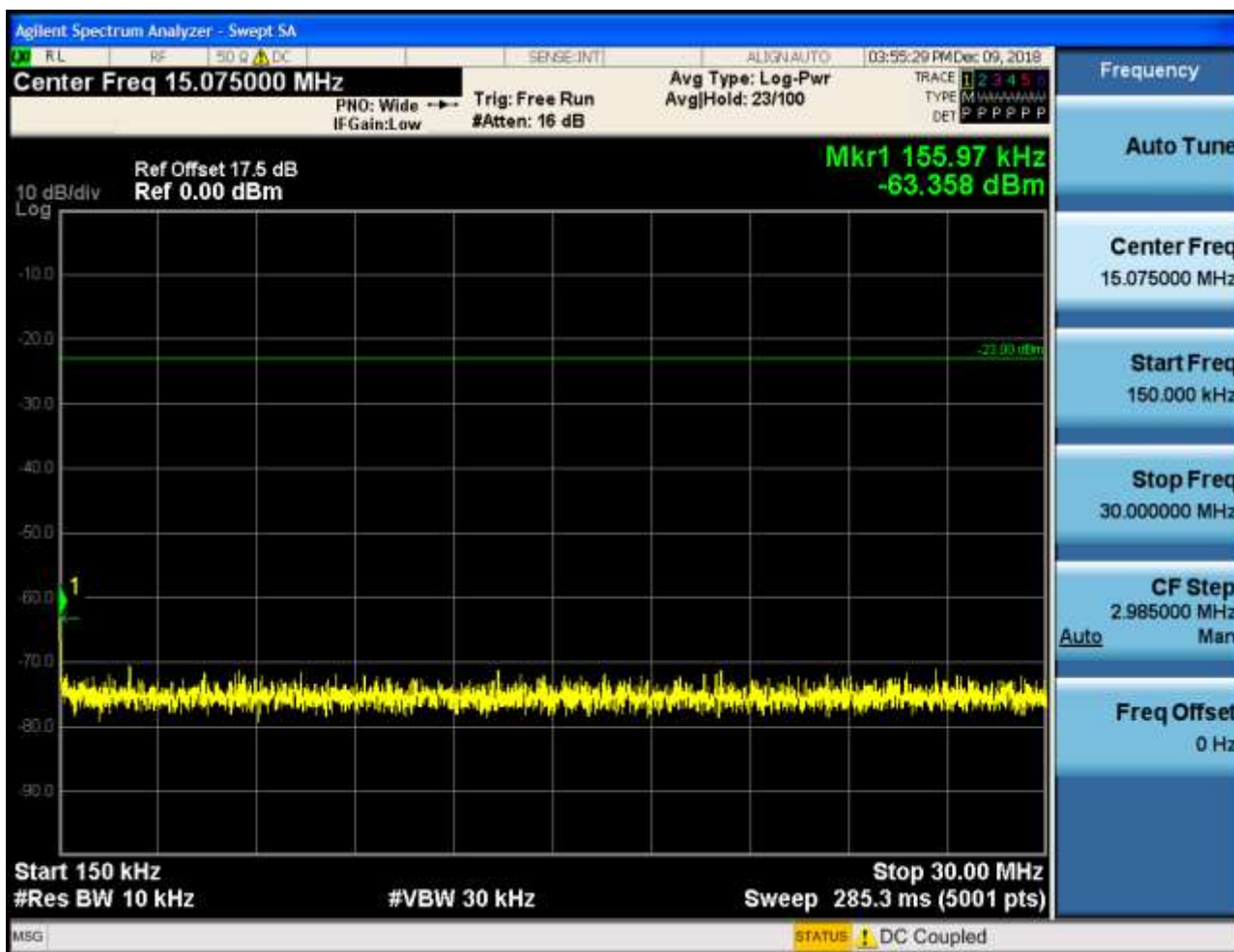
##### 6.1.1.1 Test Mode = LTE/TM1

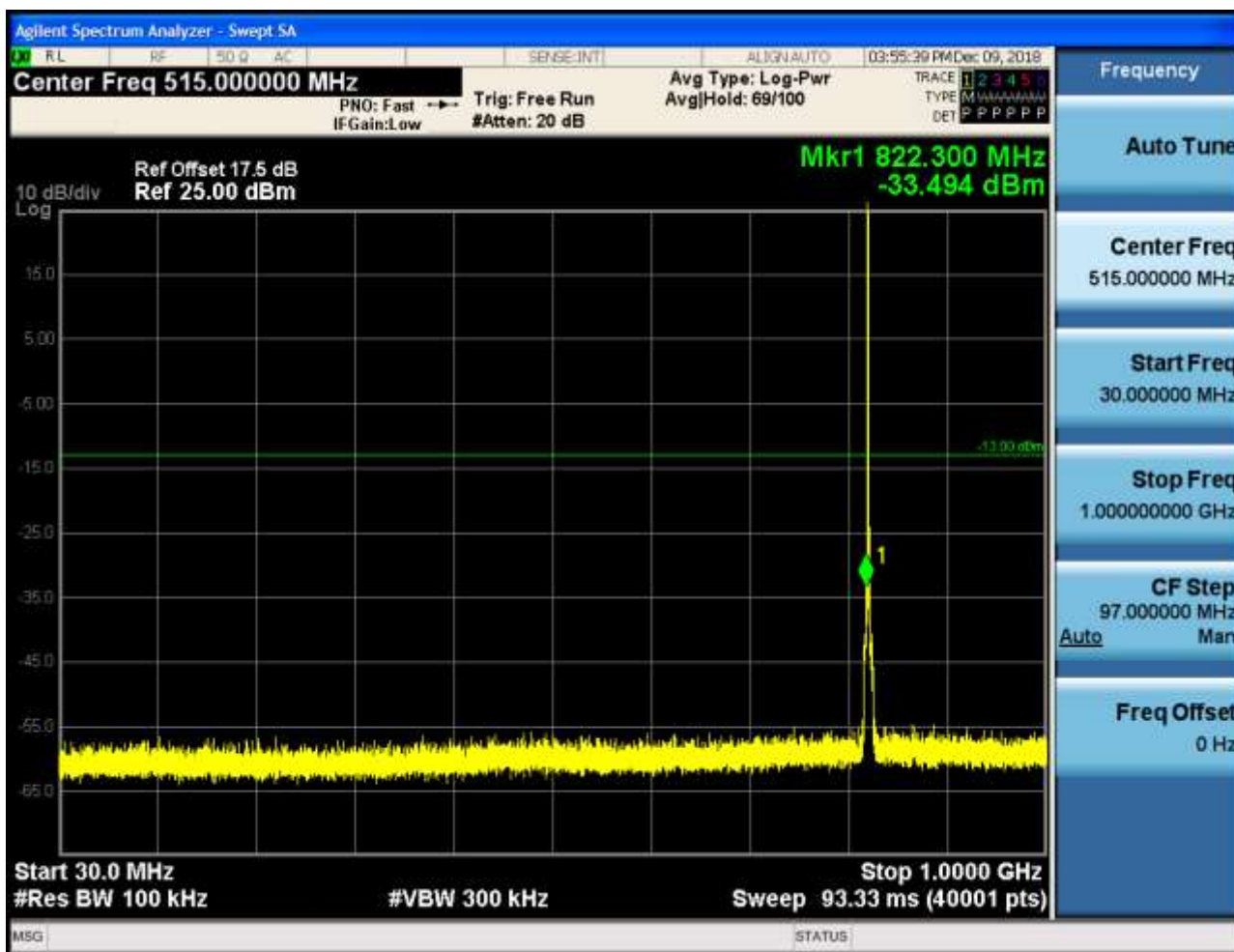
##### 6.1.1.1.1 Test Bandwidth = 1.4

##### 6.1.1.1.1.1 Test Channel = LCH

##### 6.1.1.1.1.1.1 Test RB = RB1#0





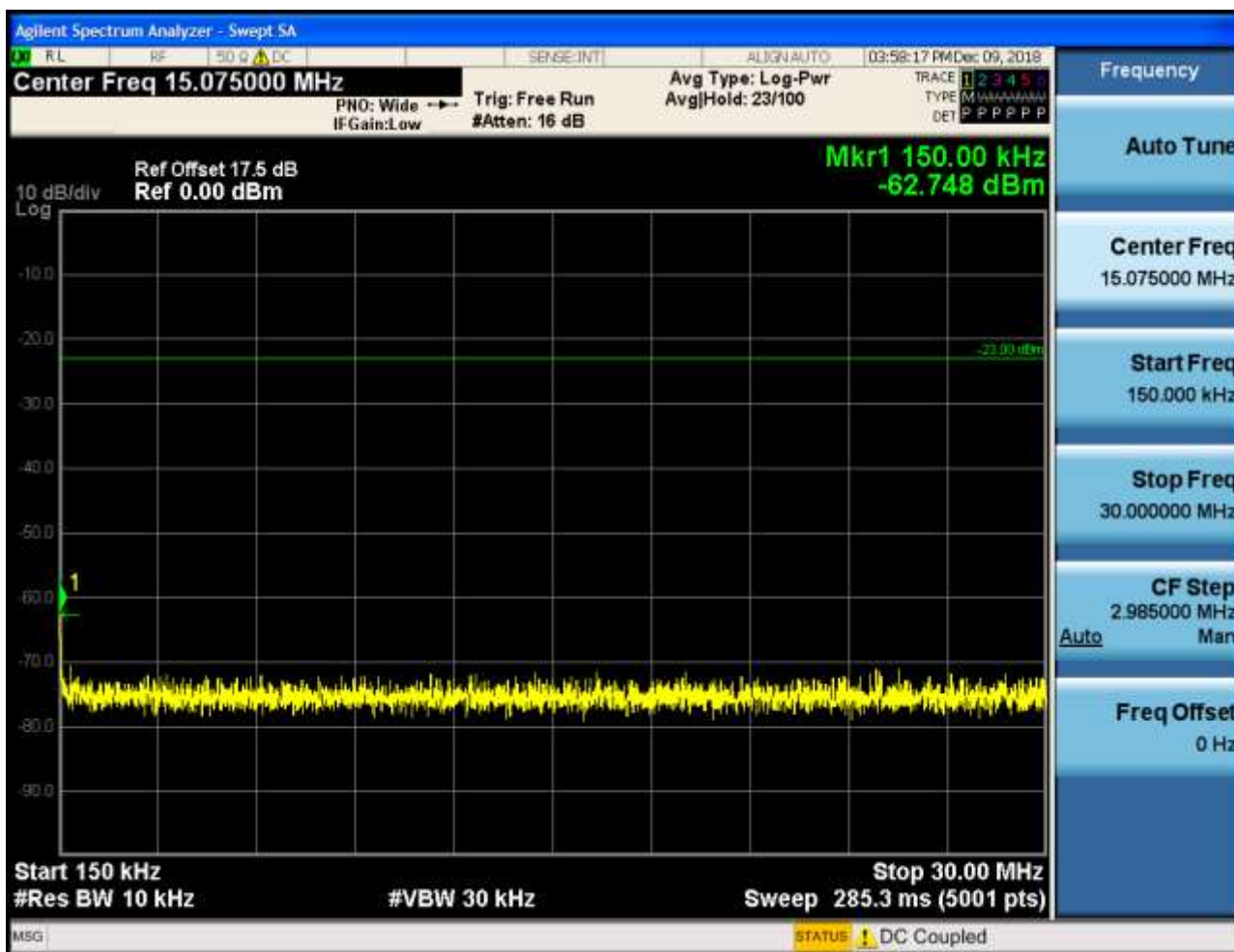


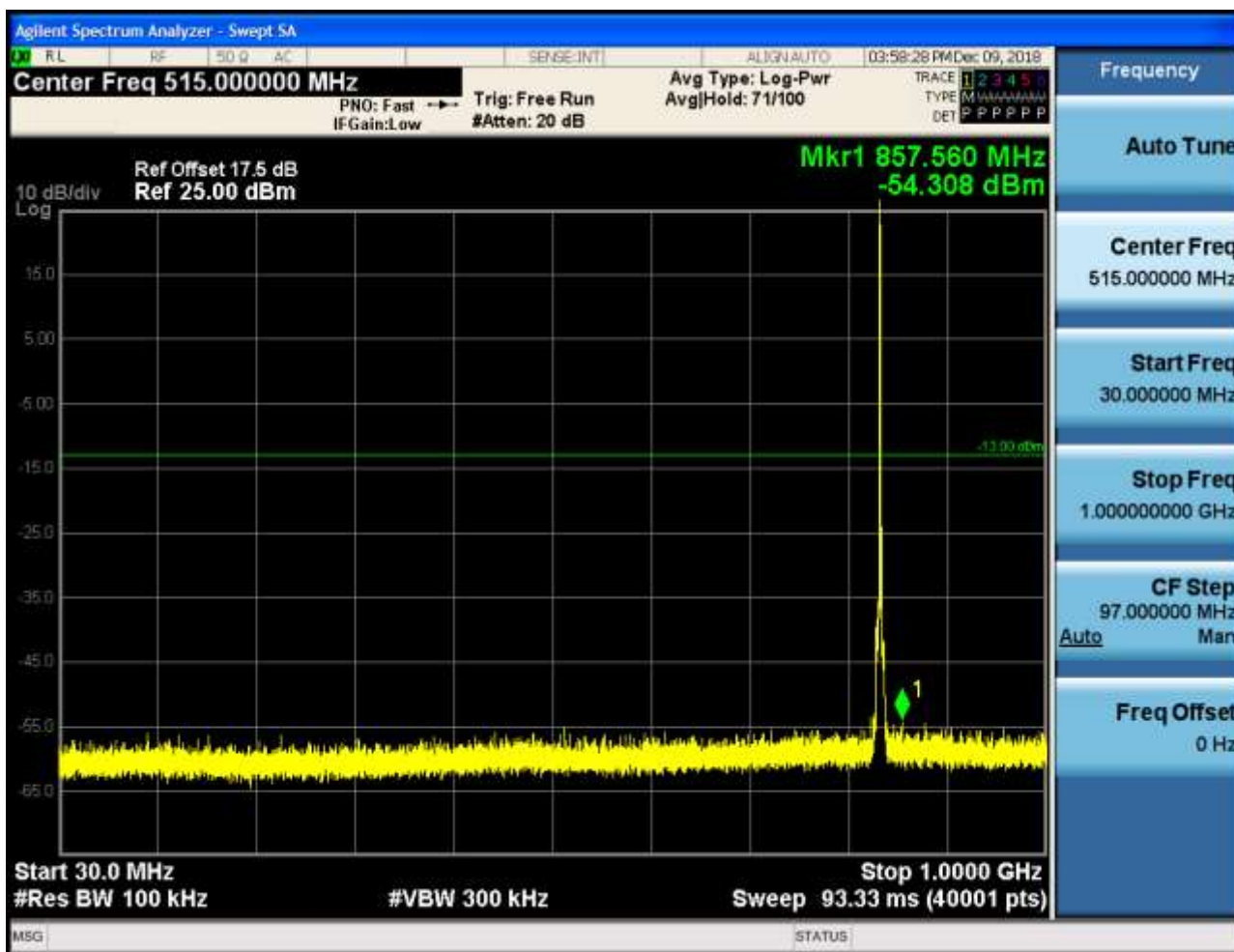


### 6.1.1.1.1.2 Test Channel = MCH

#### 6.1.1.1.1.2.1 Test RB = RB1#0





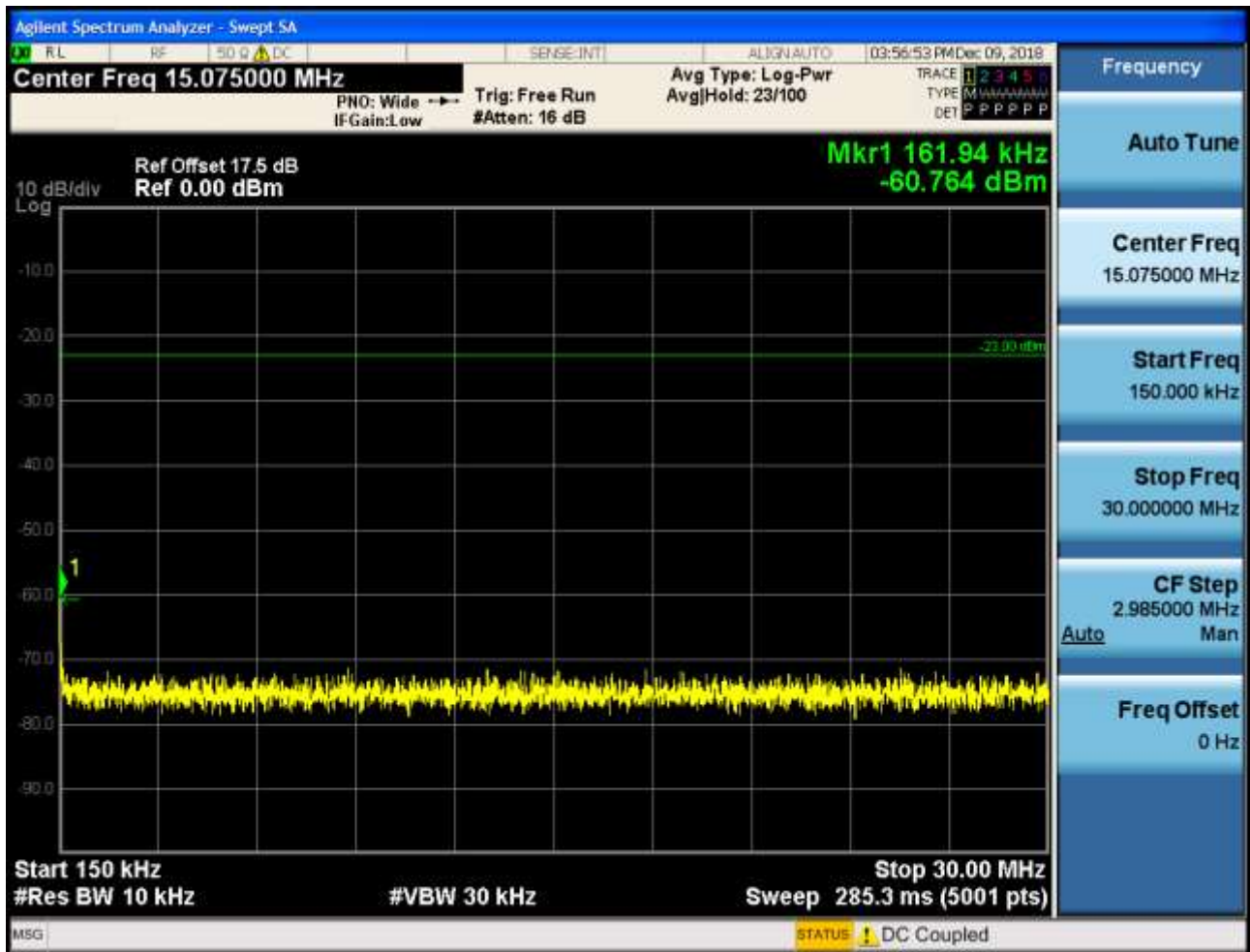


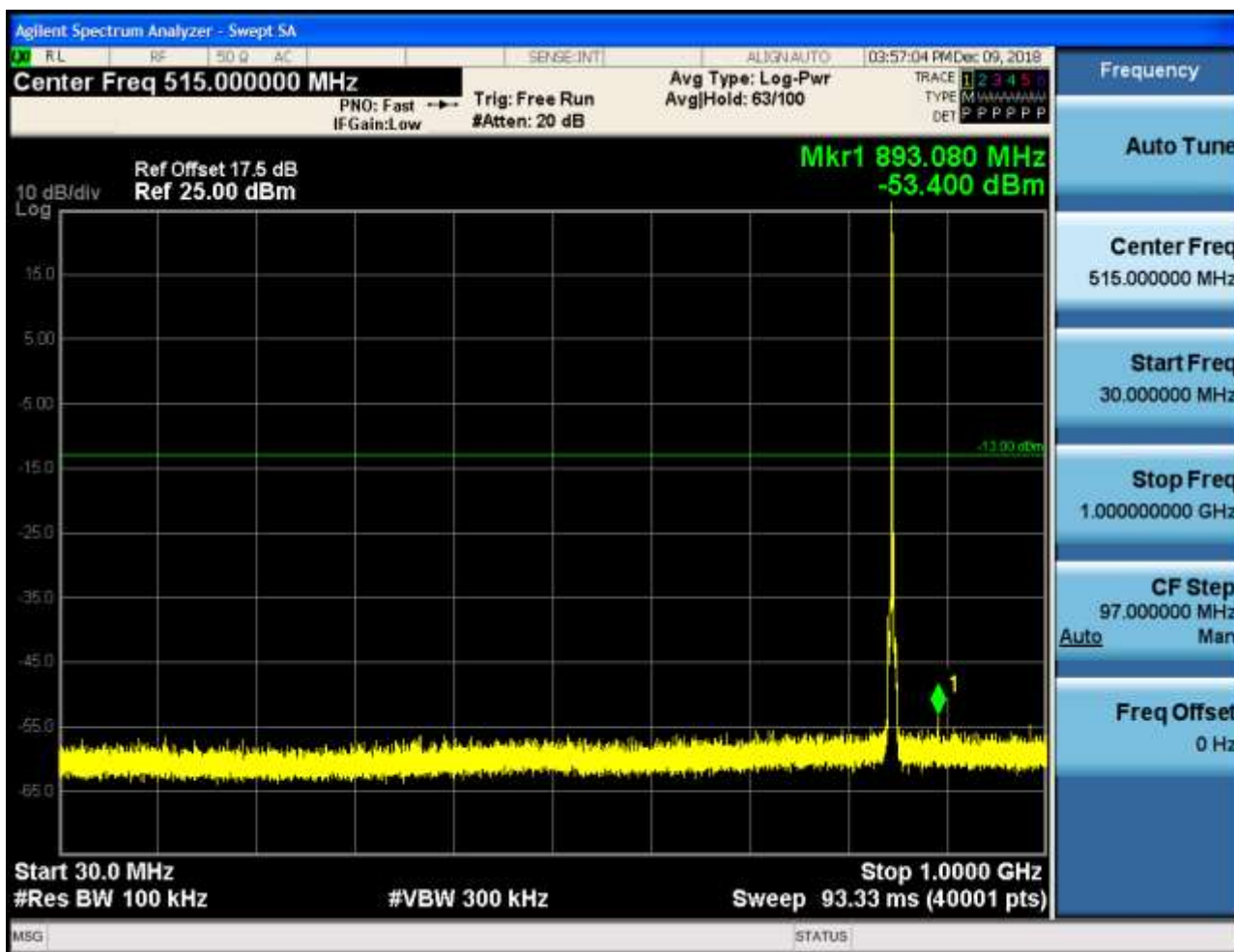


### 6.1.1.1.1.3 Test Channel = HCH

#### 6.1.1.1.1.3.1 Test RB = RB1#0









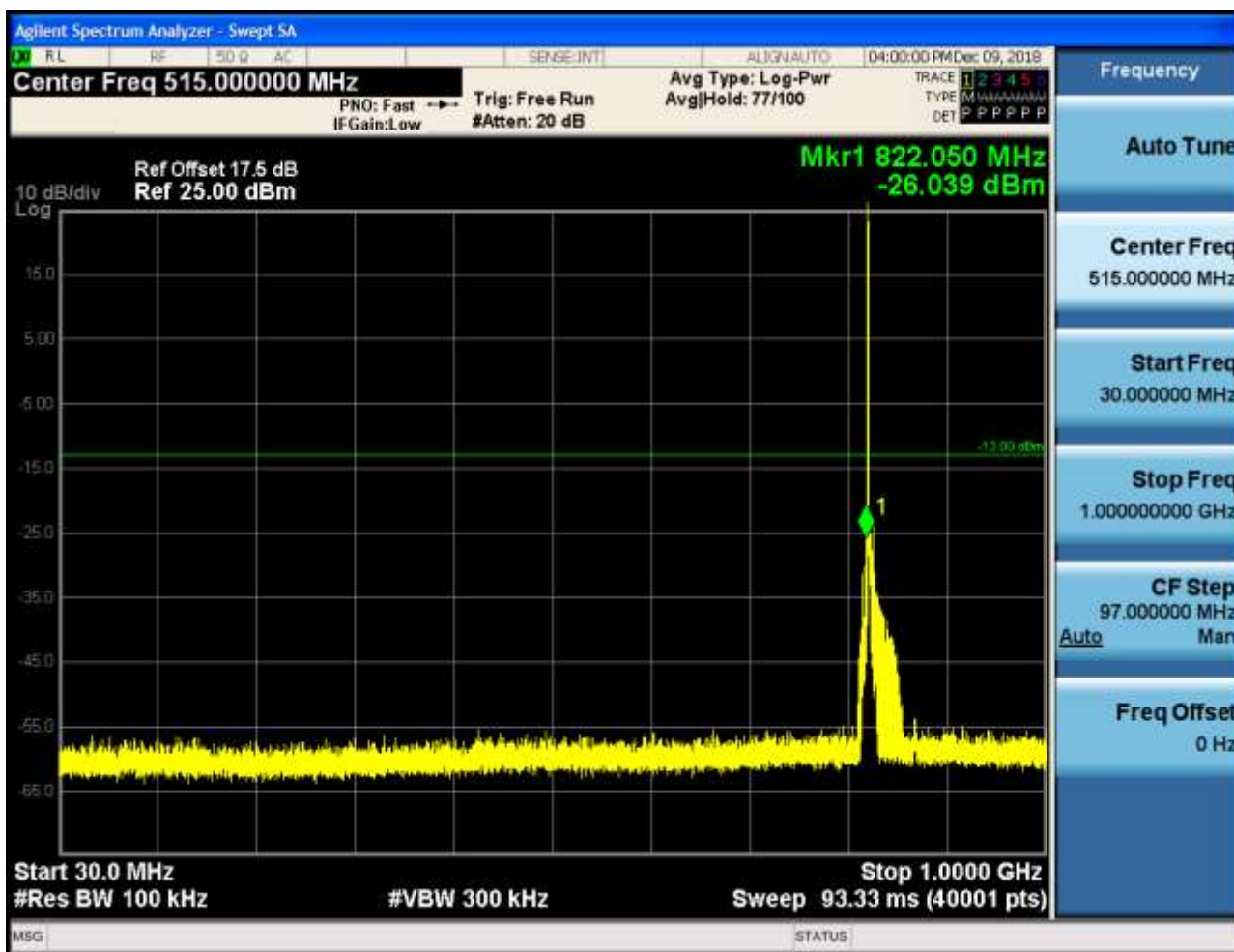
### 6.2.1.1.2 Test Bandwidth = 3

#### 6.2.1.1.2.1 Test Channel = LCH

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





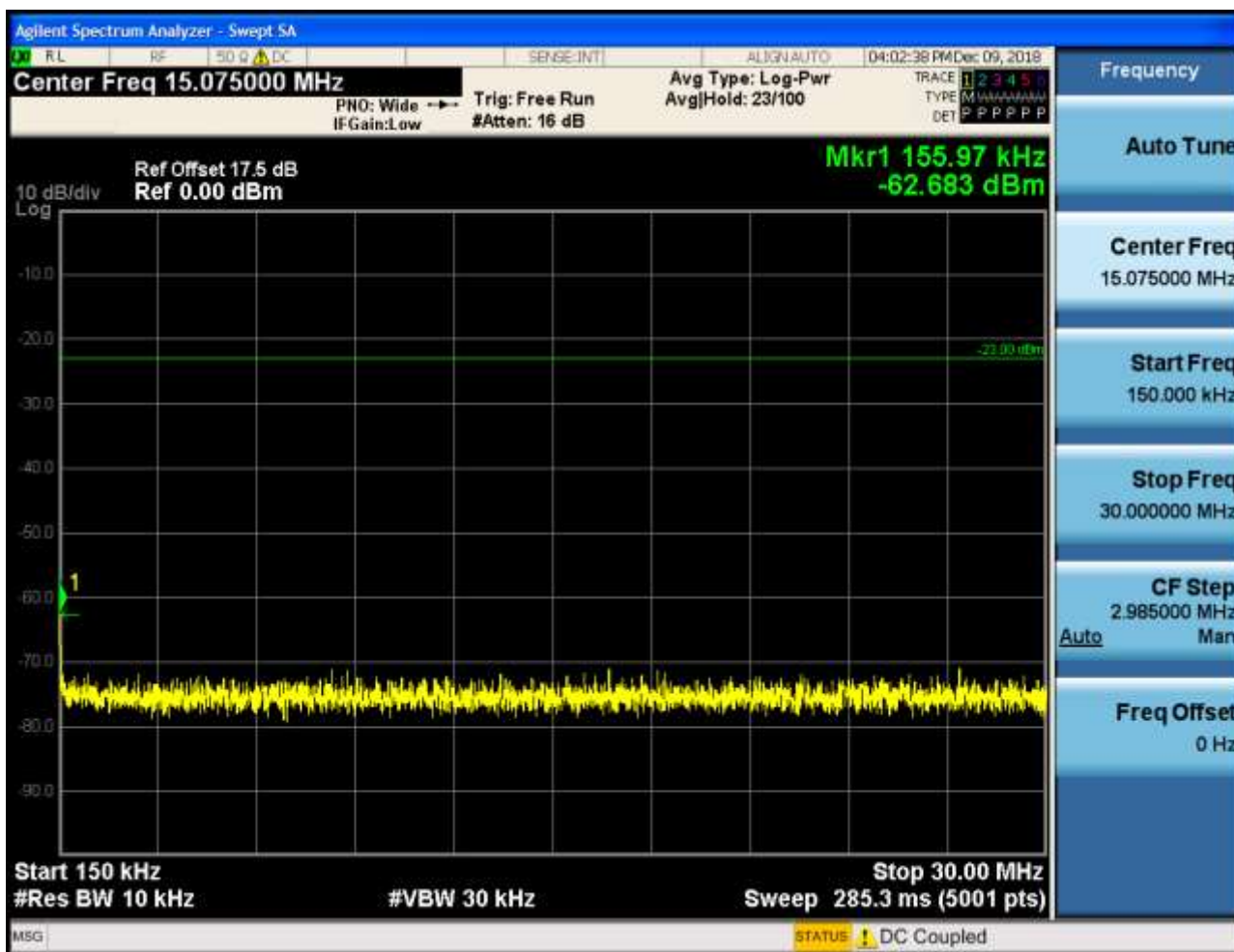


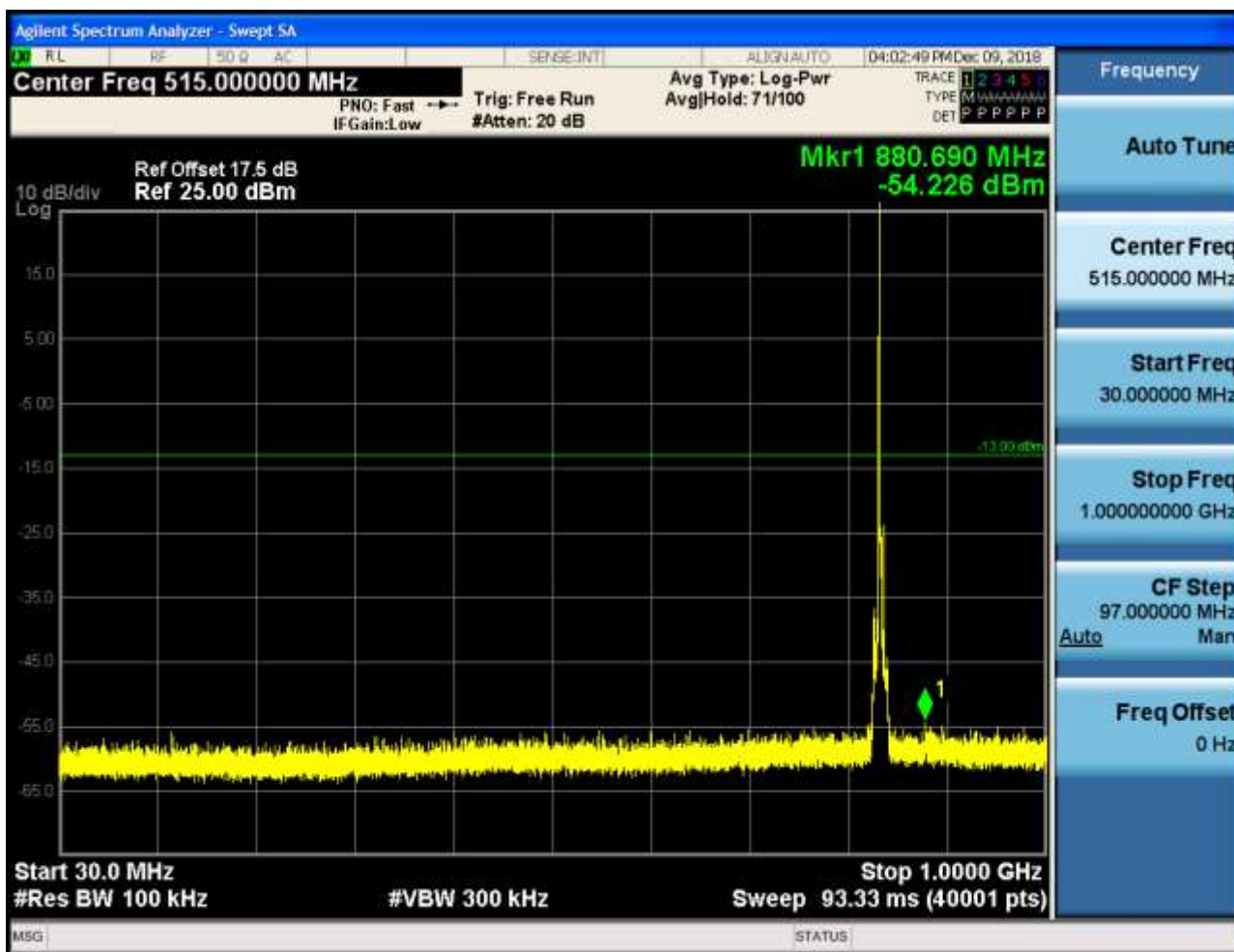


### 6.2.1.1.2.2 Test Channel = MCH

#### 6.2.1.1.2.2.1 Test RB = RB1#0



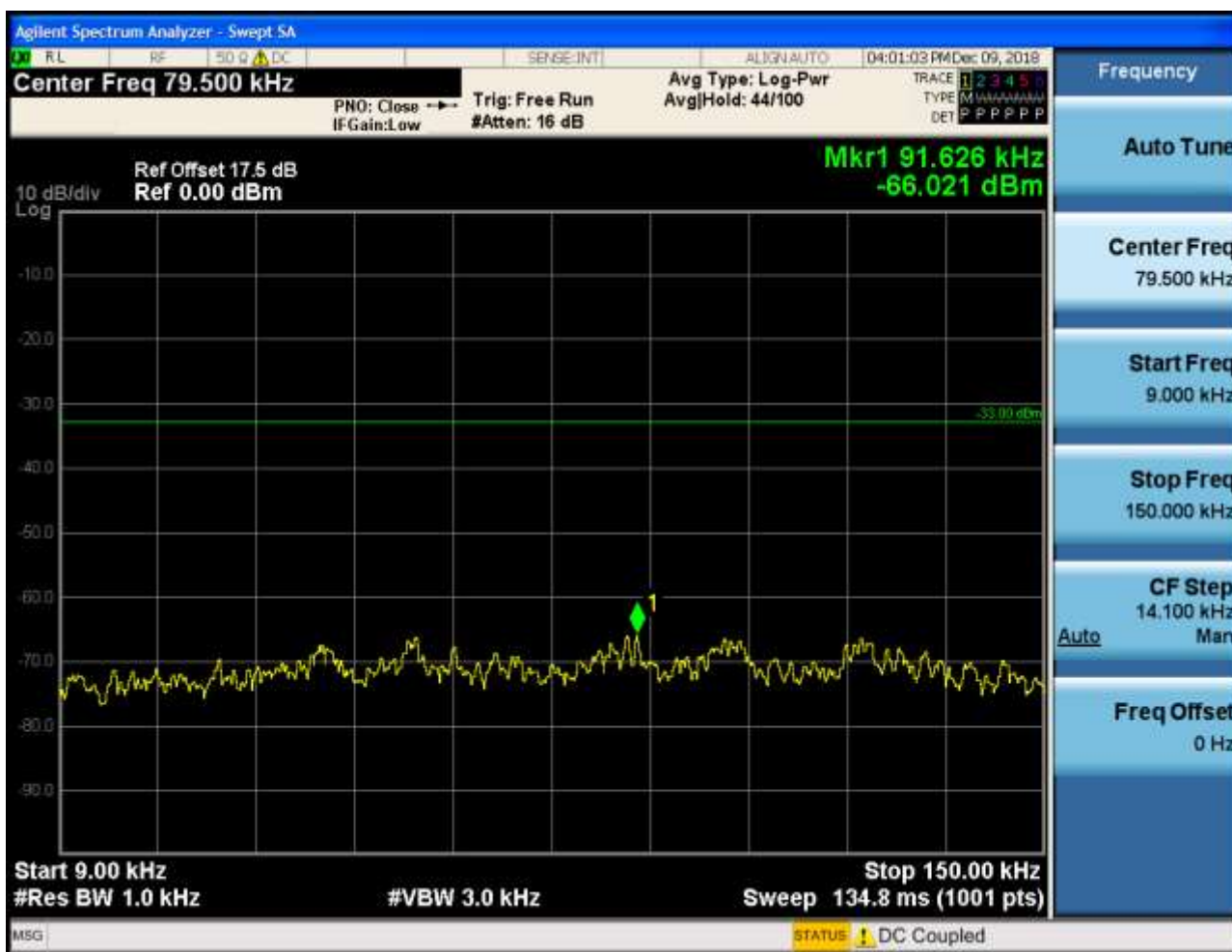


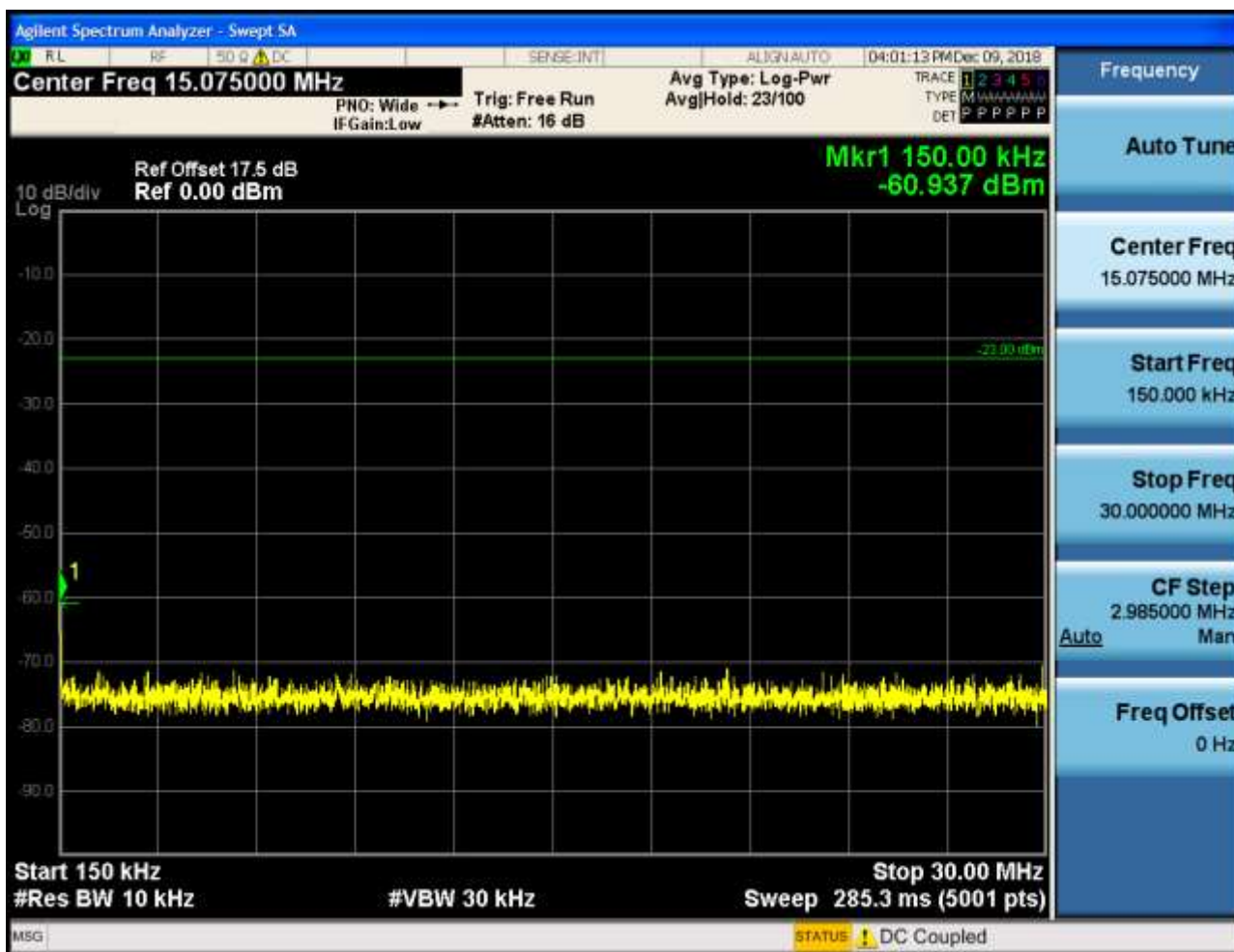


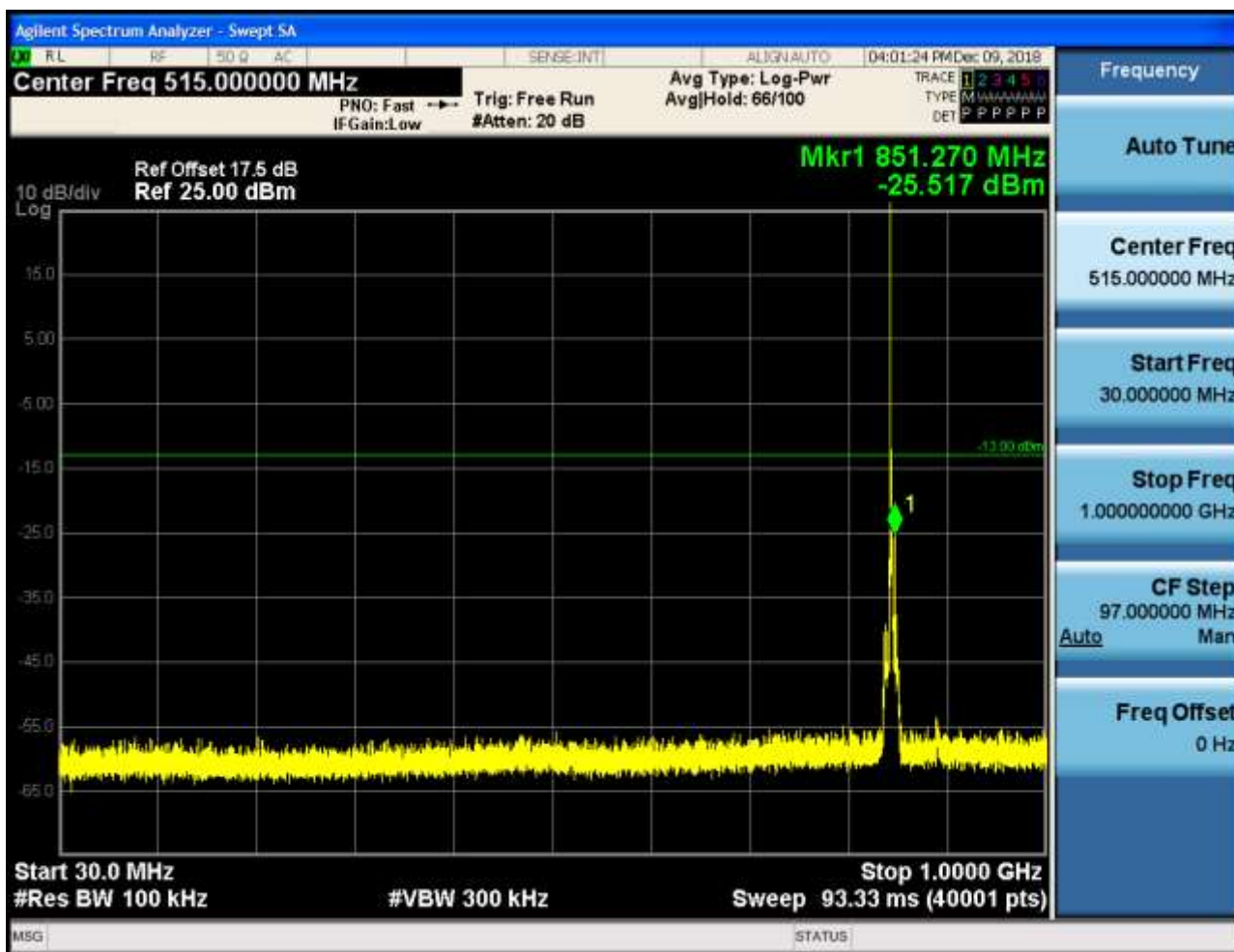


### 6.2.1.1.2.3 Test Channel = HCH

#### 6.2.1.1.2.3.1 Test RB = RB1#0





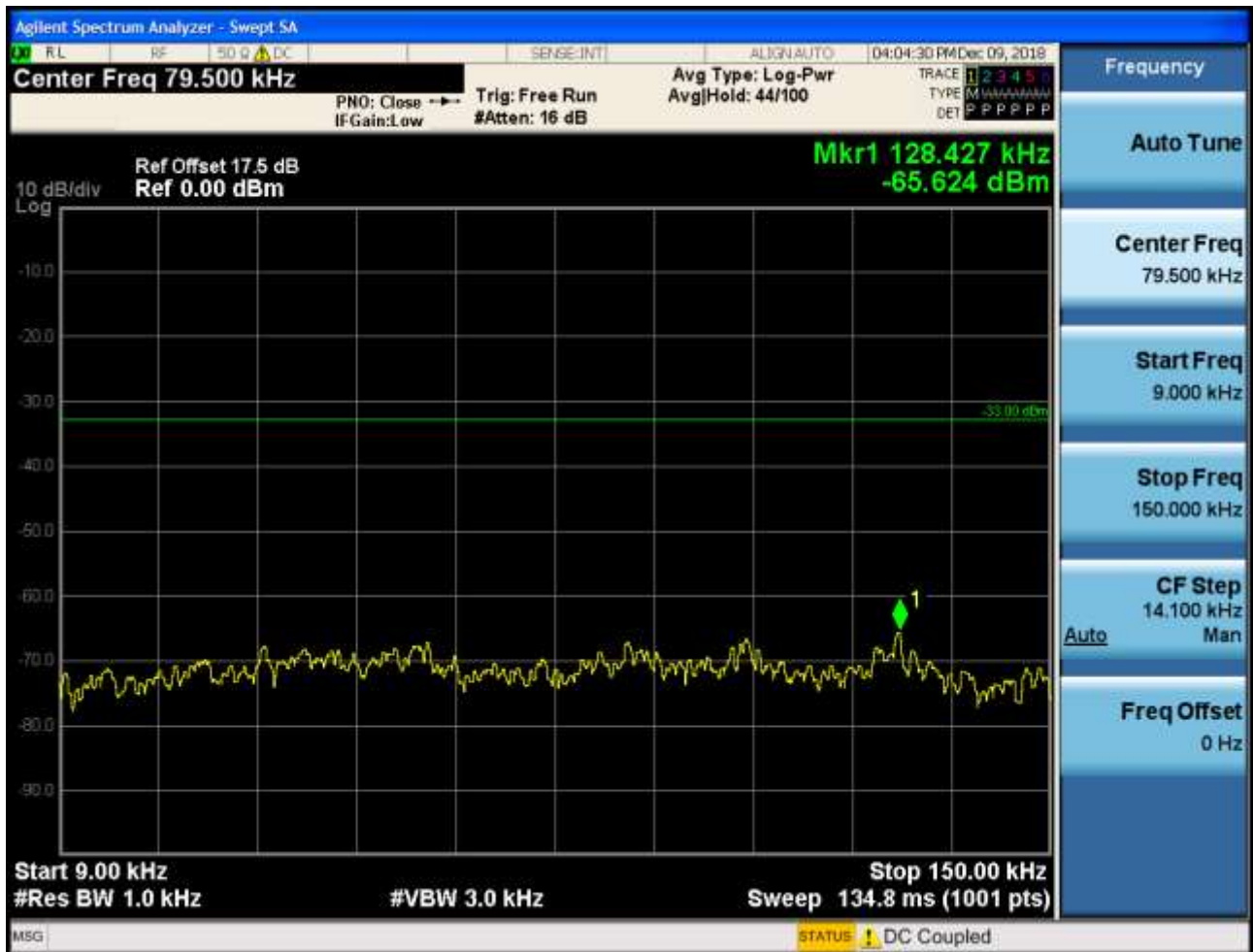


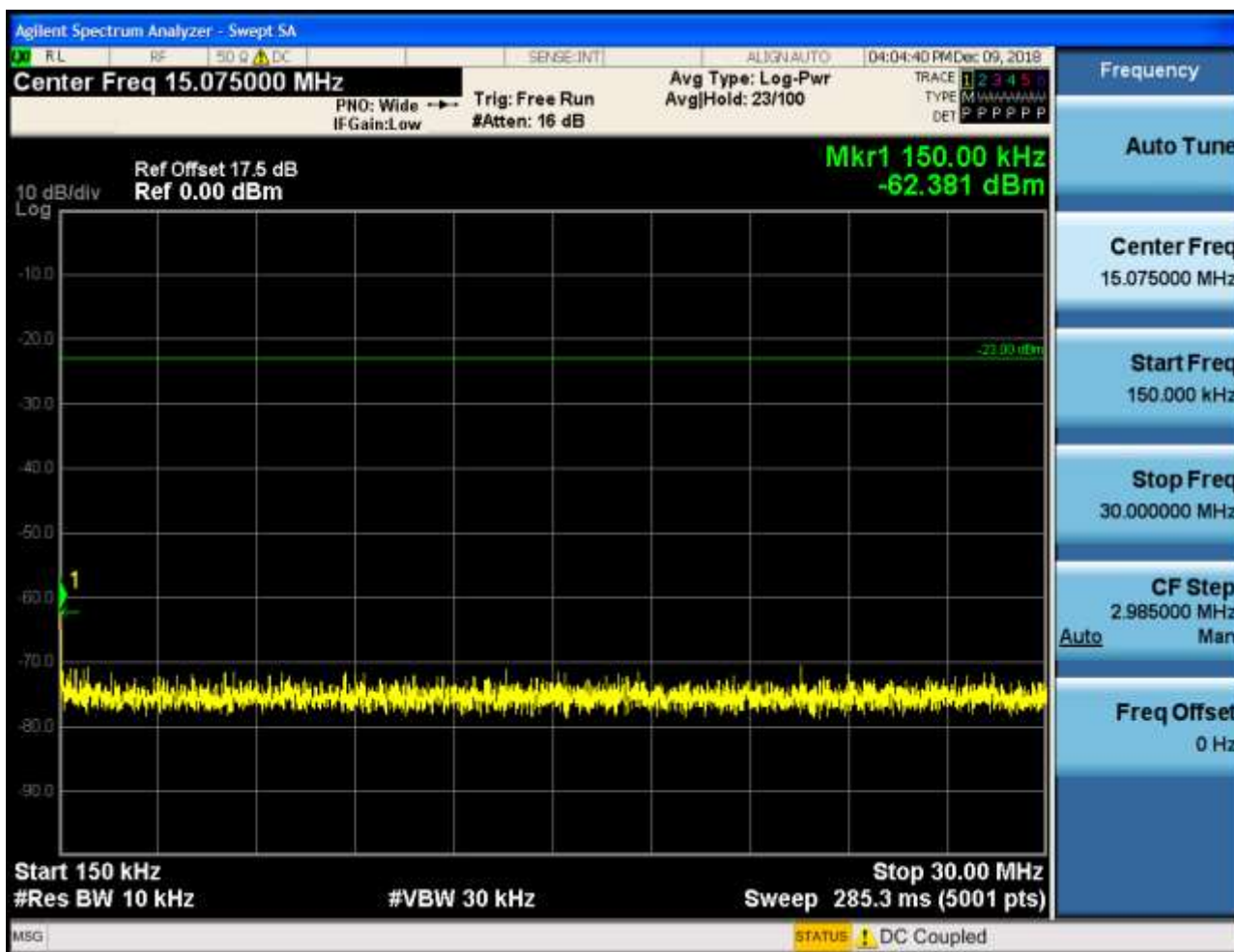


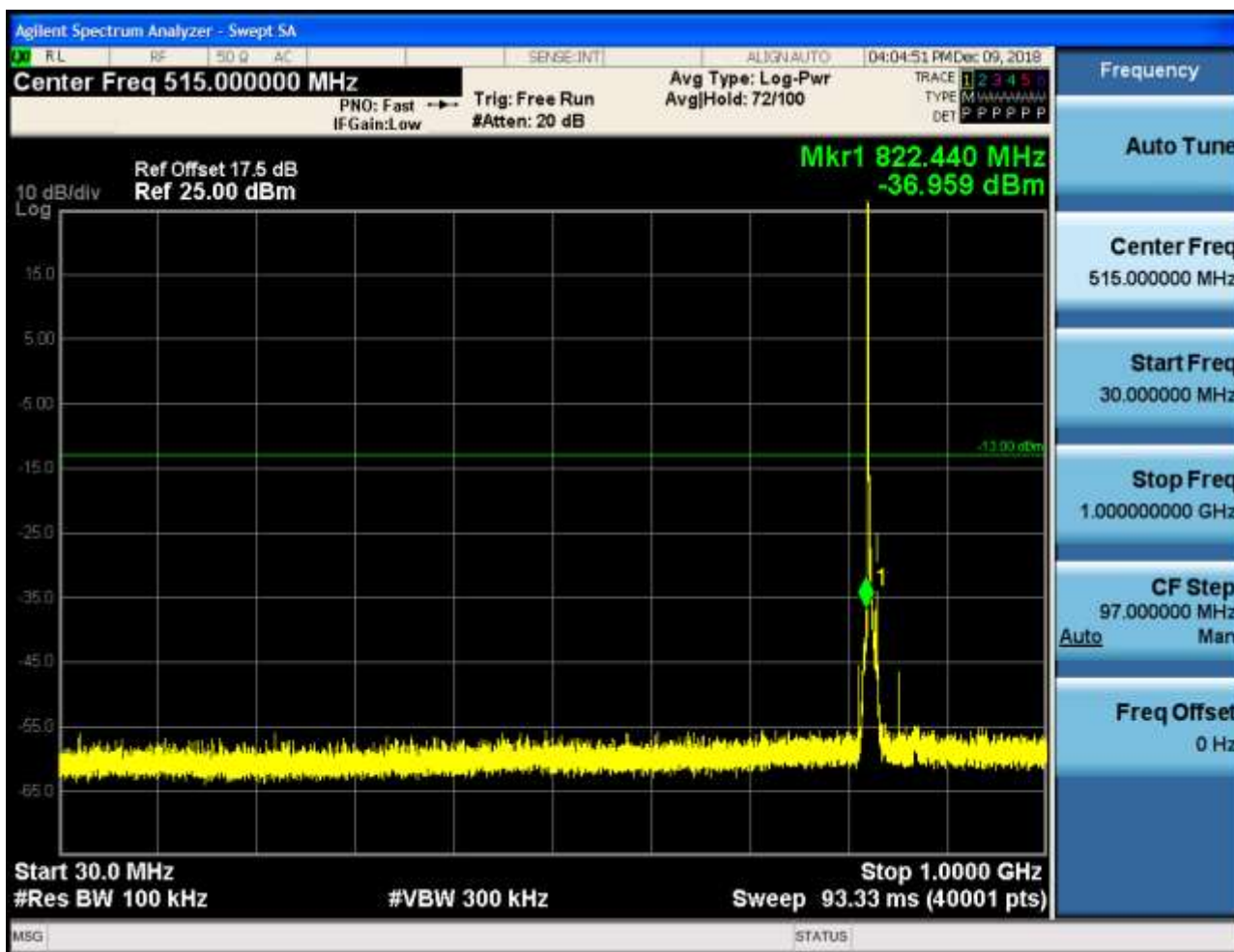
### 6.2.1.1.3 Test Bandwidth = 5

#### 6.2.1.1.3.1 Test Channel = LCH

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





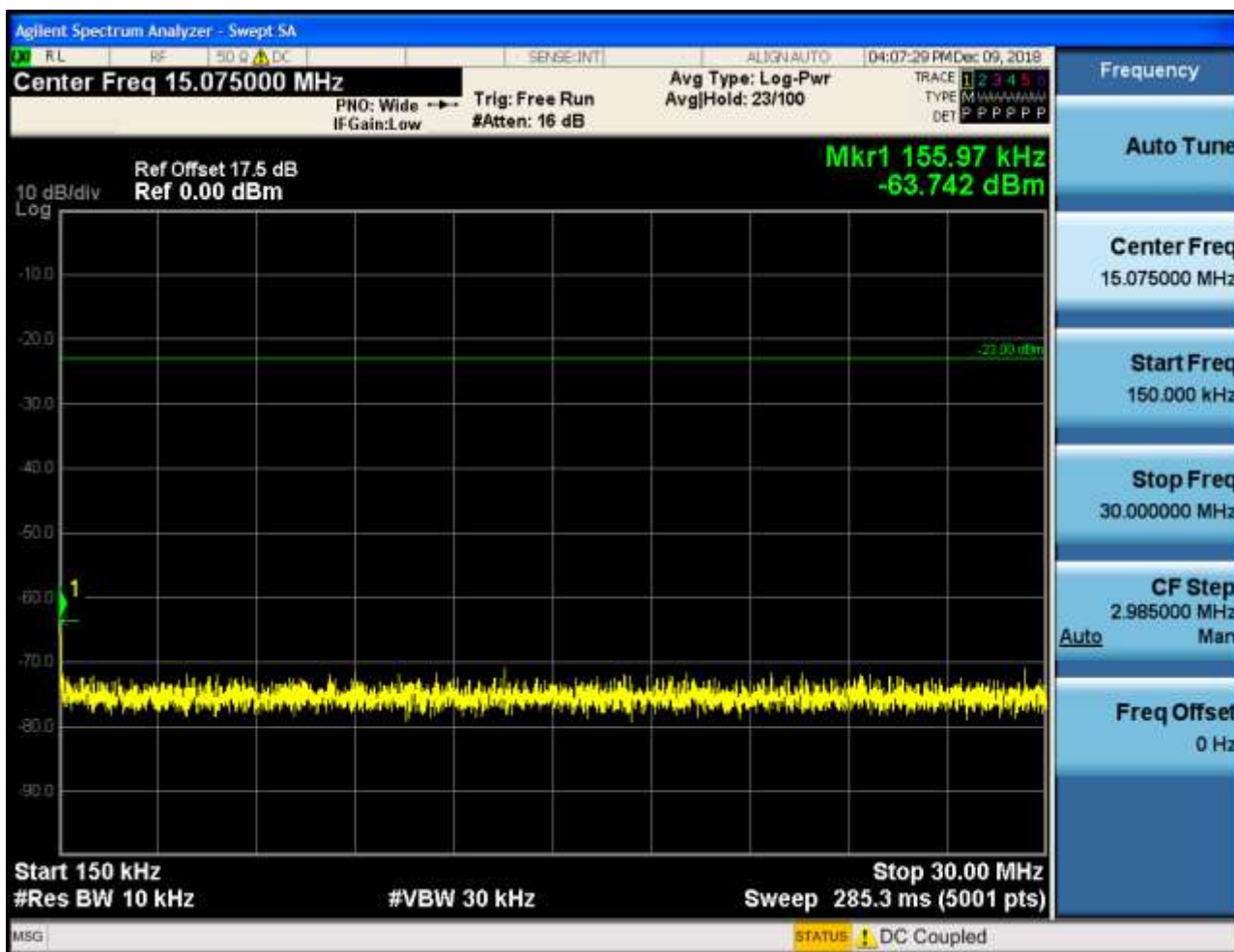


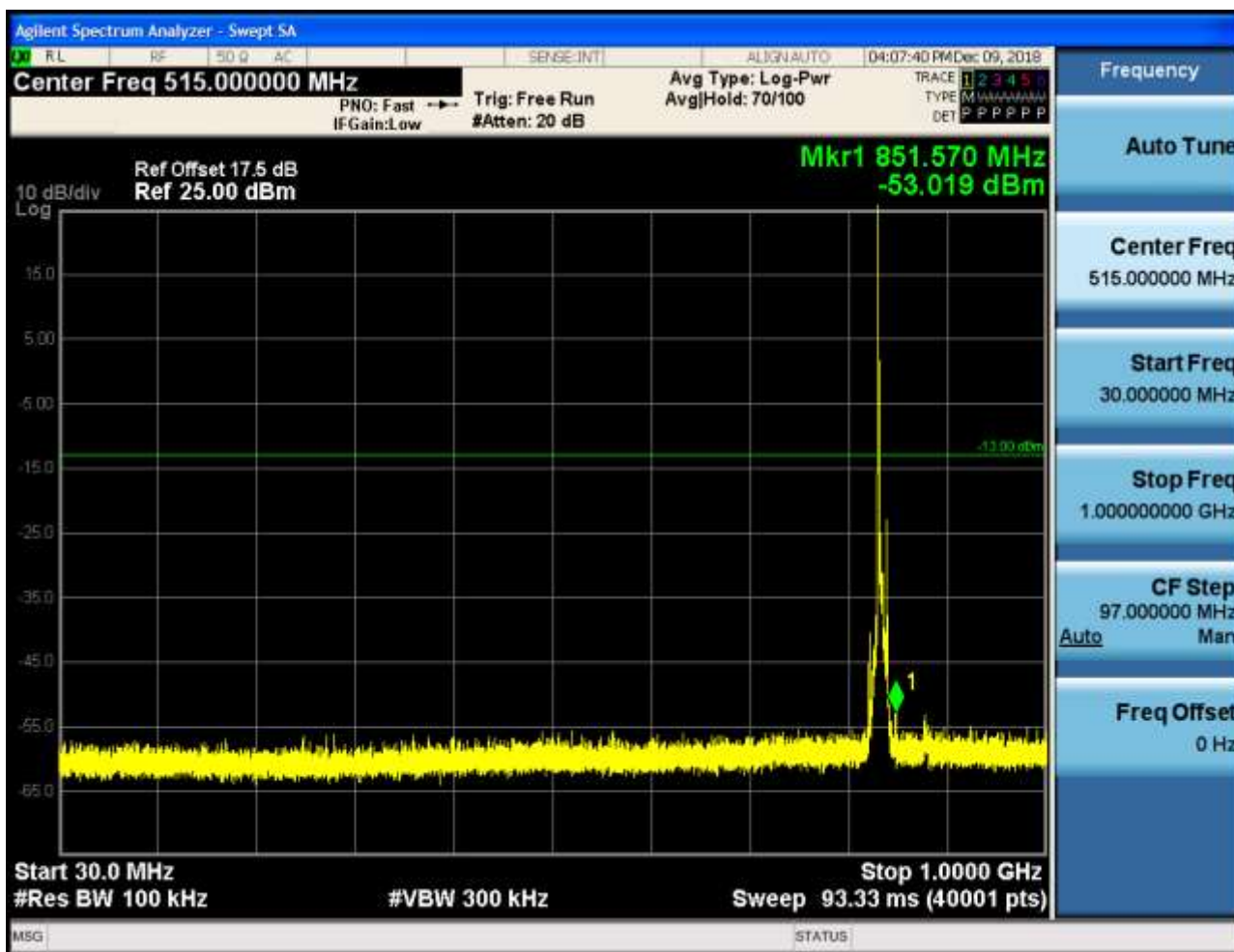


### 6.2.1.1.3.2 Test Channel = MCH

#### 6.2.1.1.3.2.1 Test RB = RB1#0





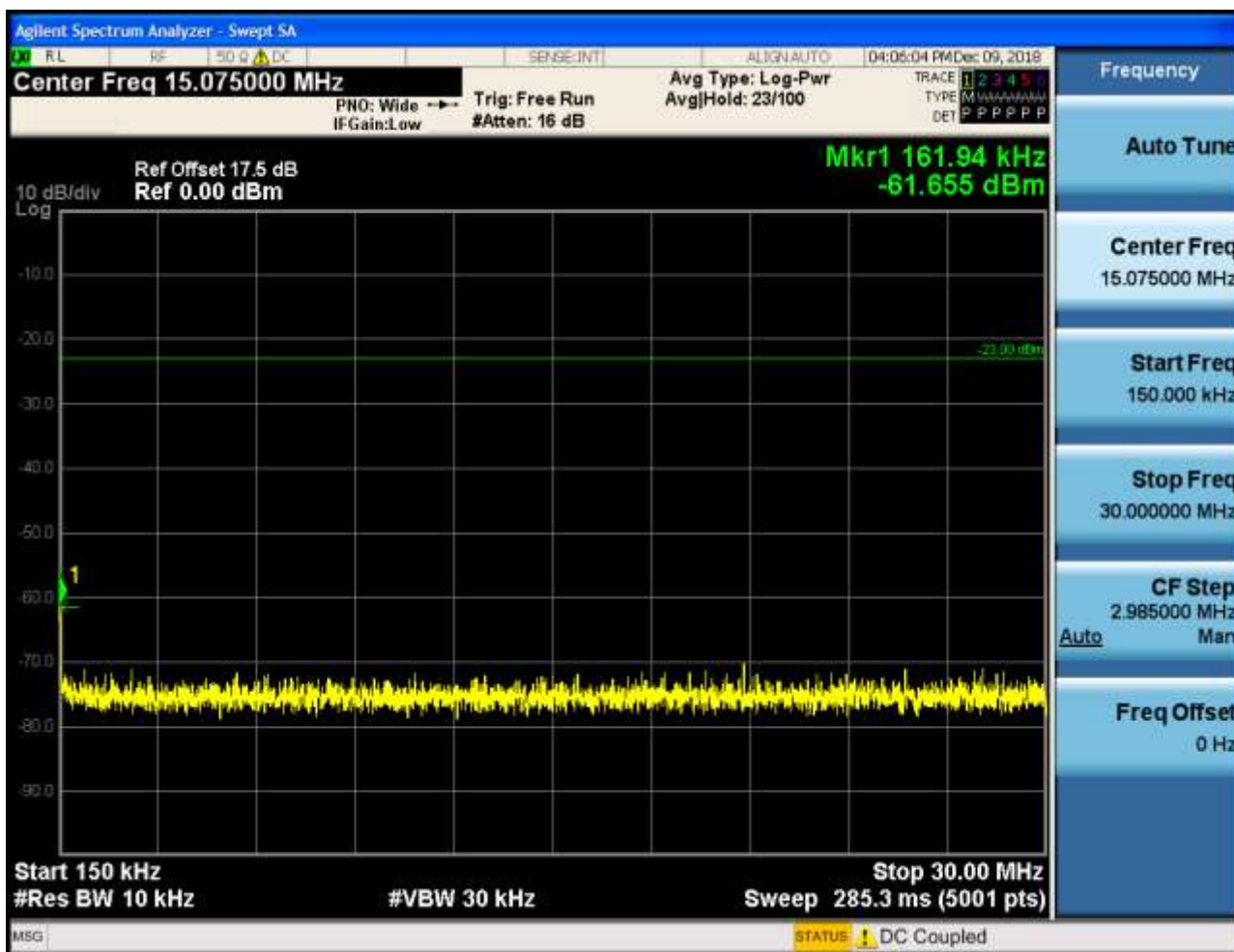


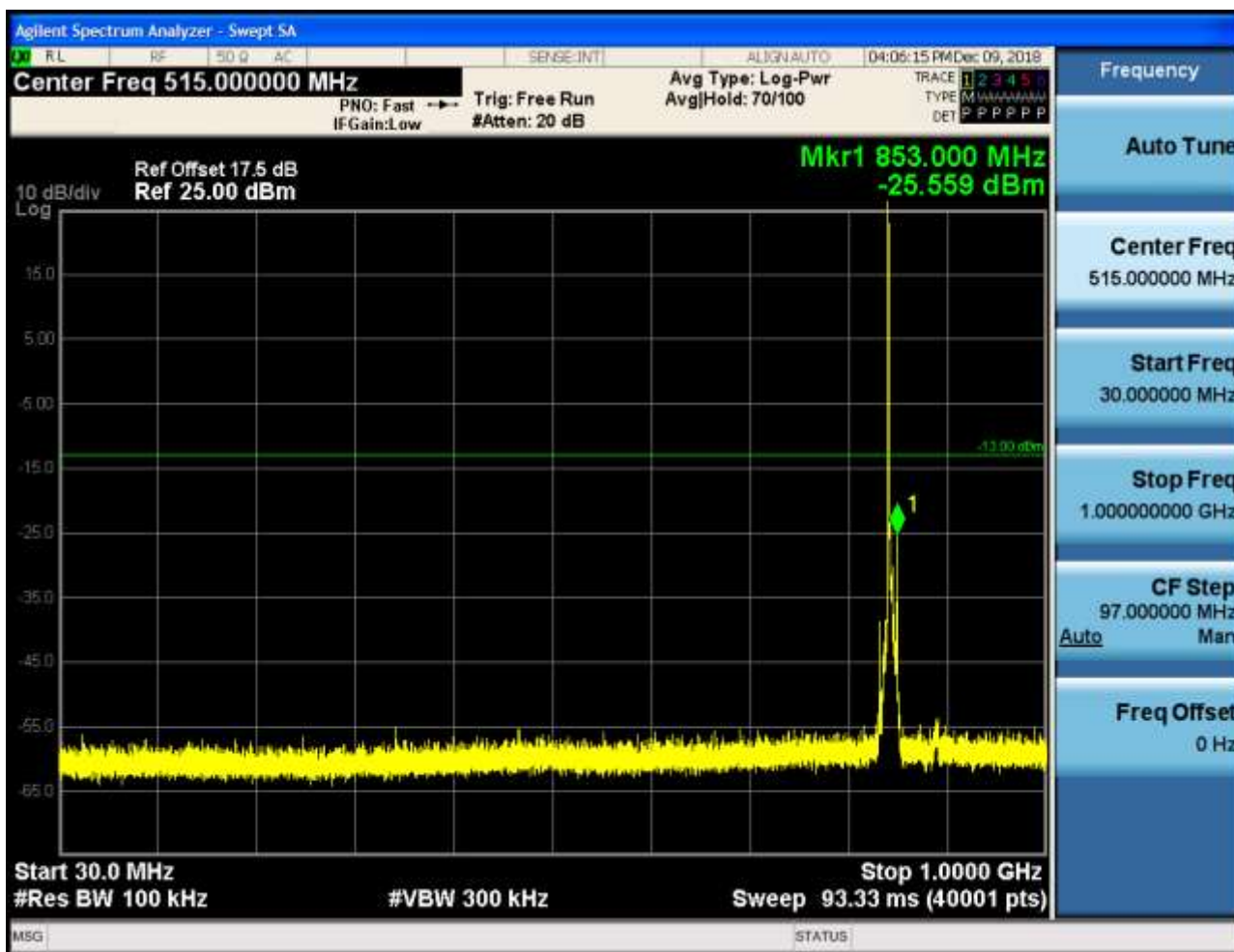


### 6.2.1.1.3.3 Test Channel = HCH

#### 6.2.1.1.3.3.1 Test RB = RB1#0





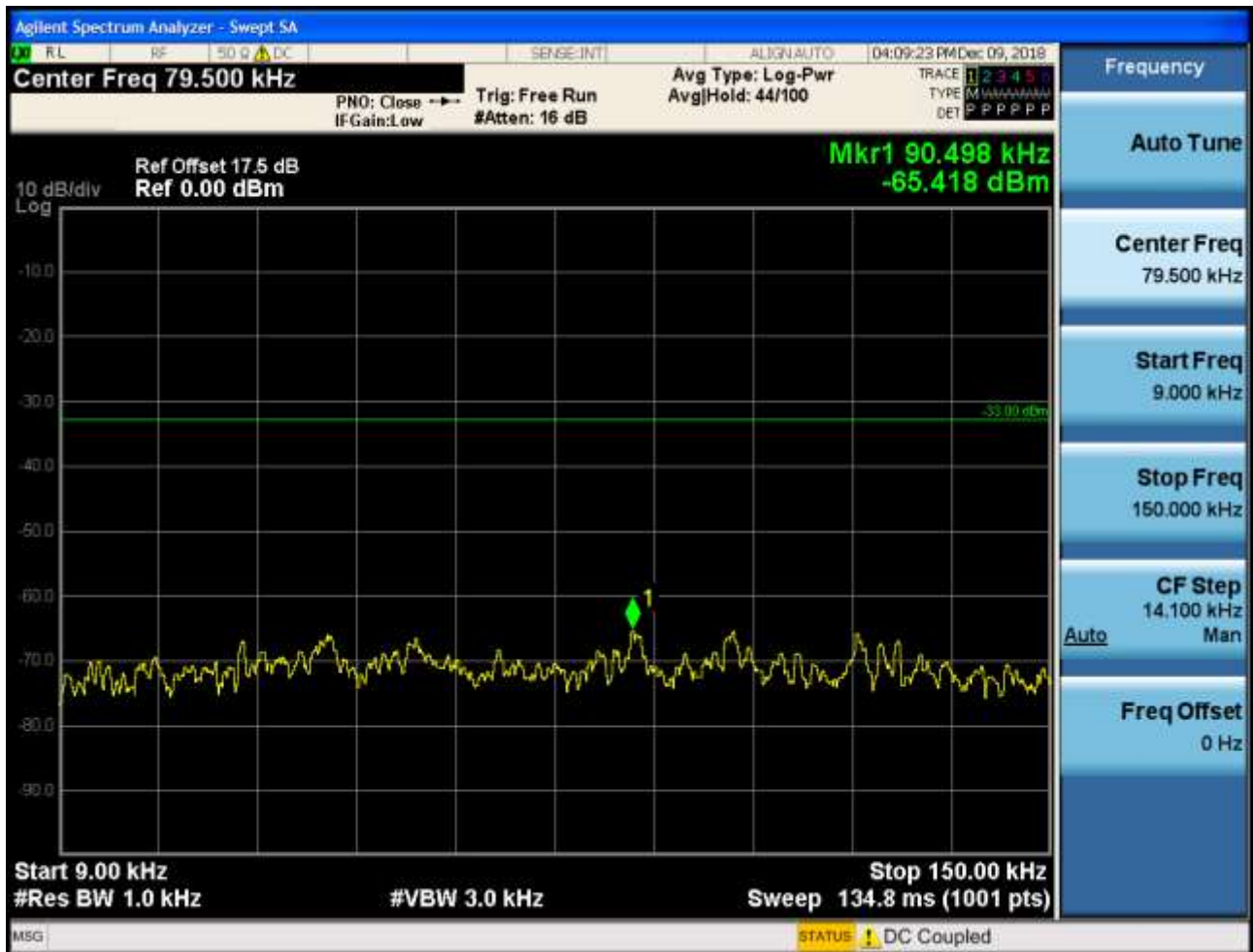


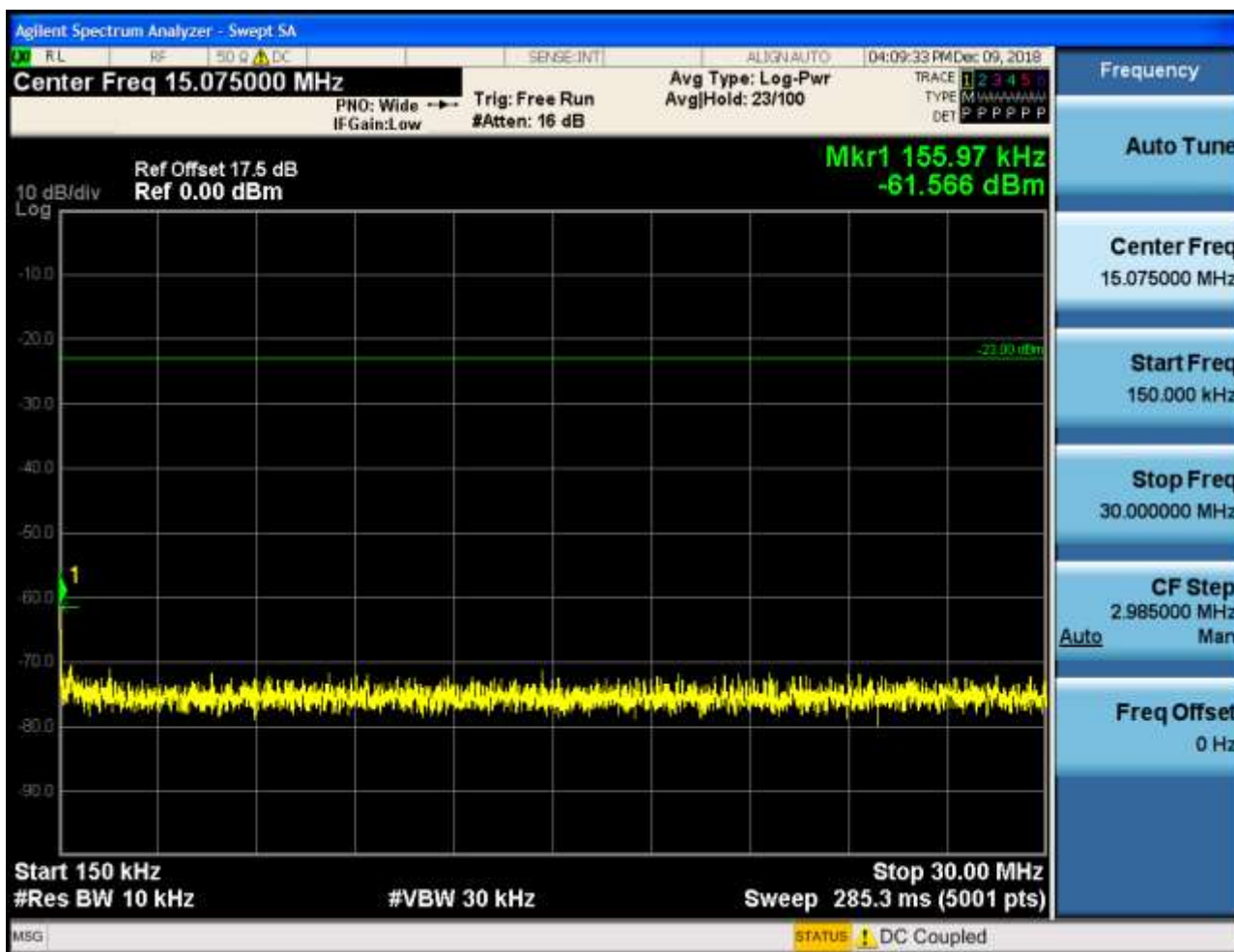


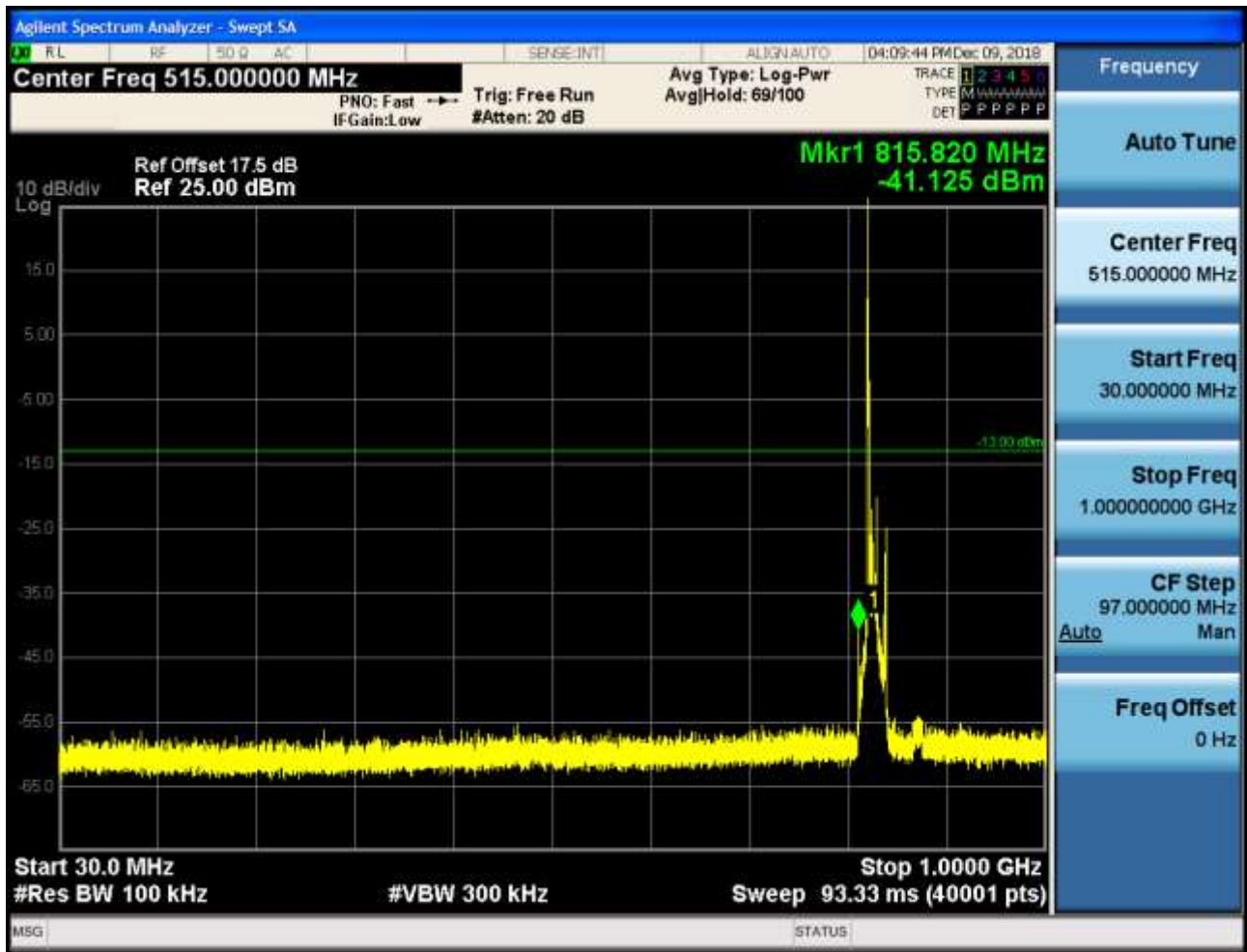
#### 6.2.1.1.4 Test Bandwidth = 10

##### 6.2.1.1.4.1 Test Channel = LCH

##### 6.2.1.1.4.1.1 Test RB = RB1#0







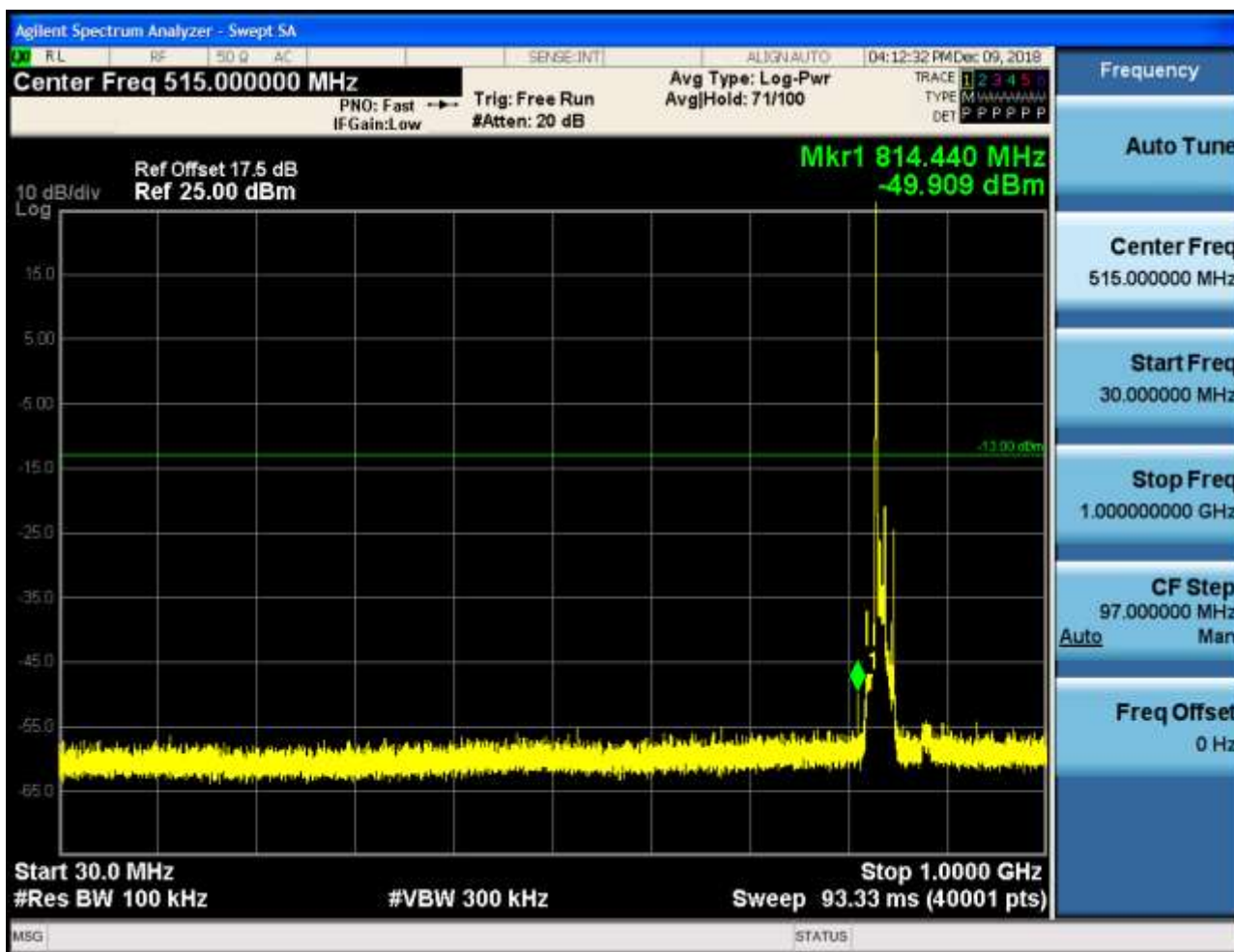


#### 6.2.1.1.4.2 Test Channel = MCH

##### 6.2.1.1.4.2.1 Test RB = RB1#0







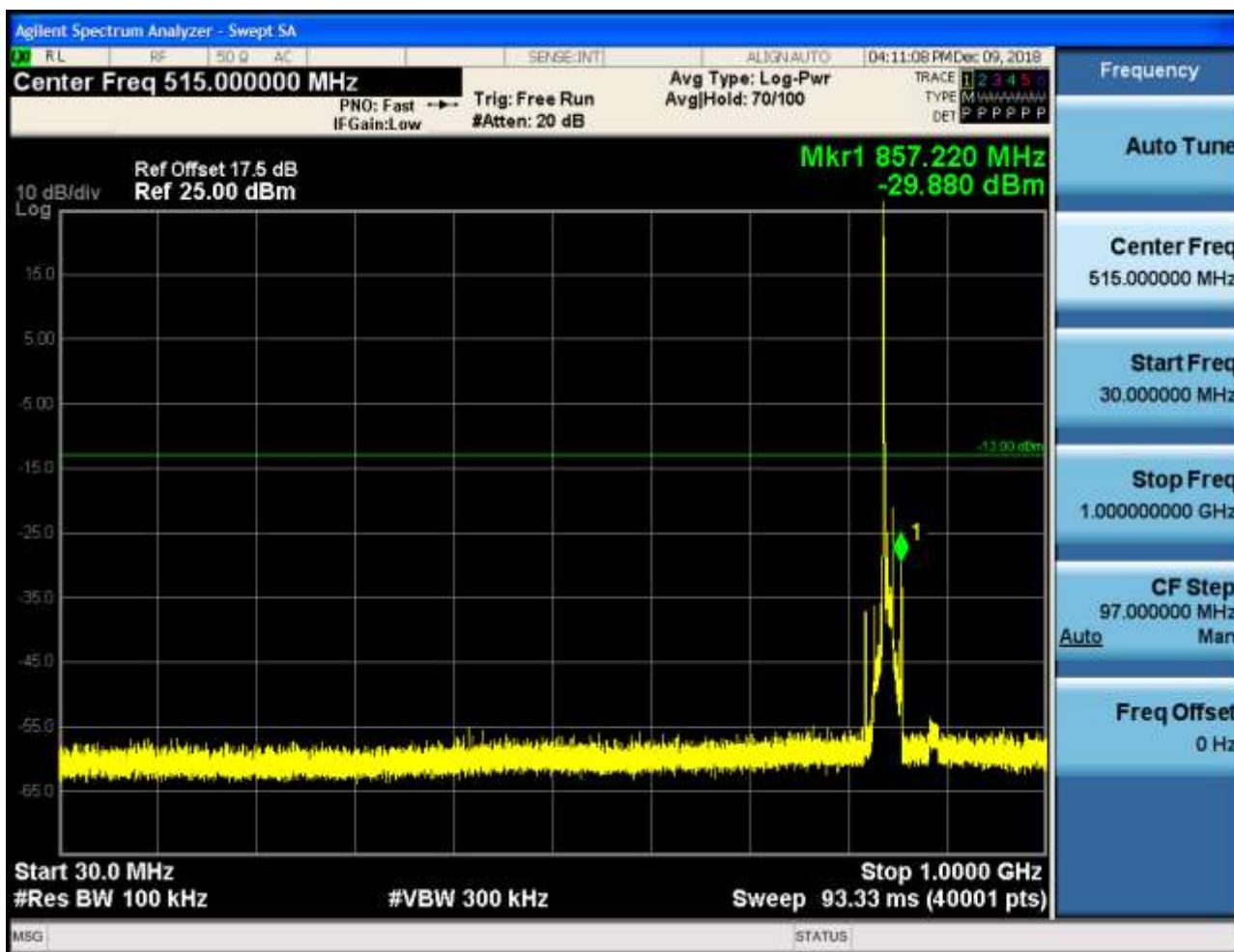


#### 6.2.1.1.4.3 Test Channel = HCH

#### 6.2.1.1.4.3.1 Test RB = RB1#0









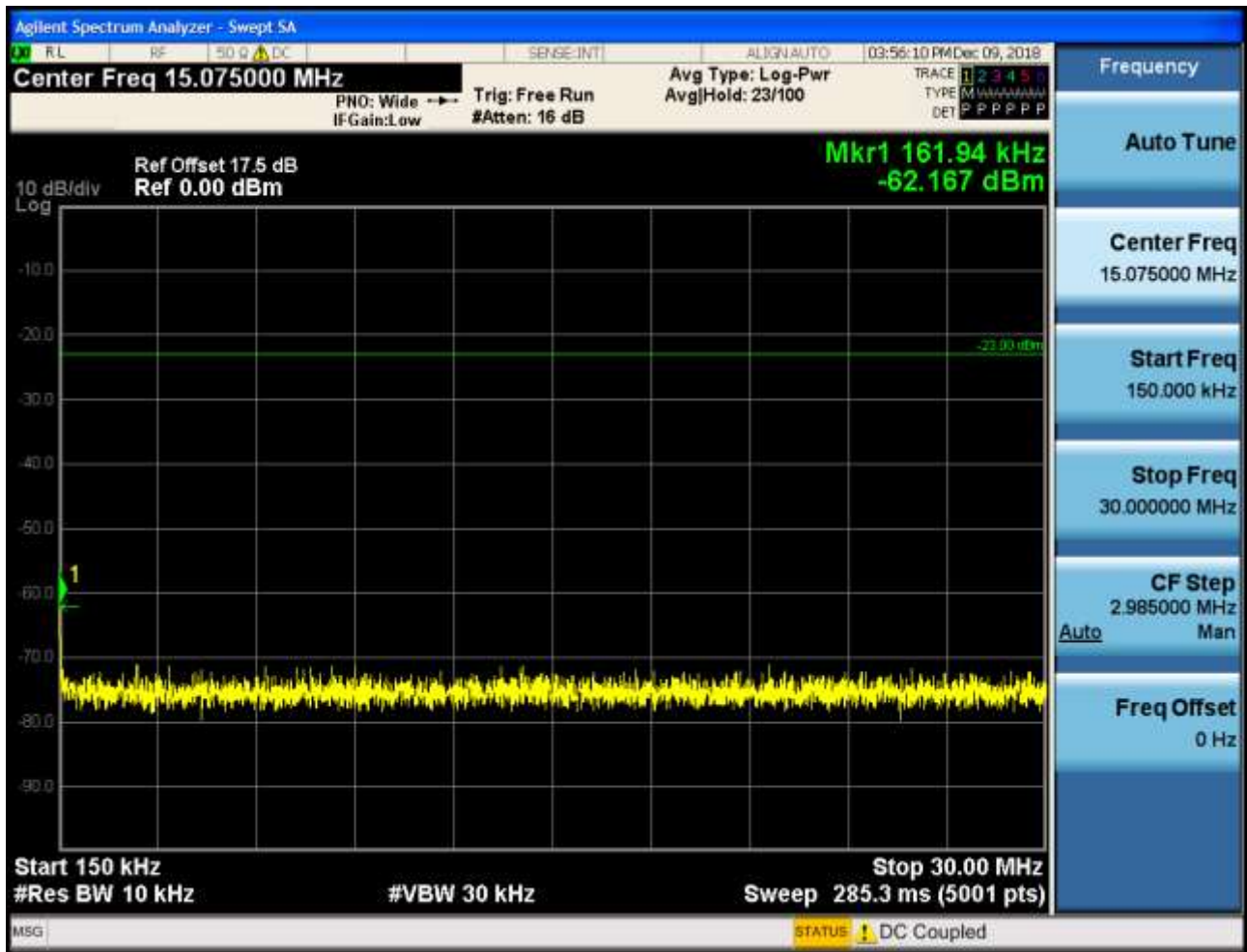
## 6.2.1.2 Test Mode = LTE/TM2

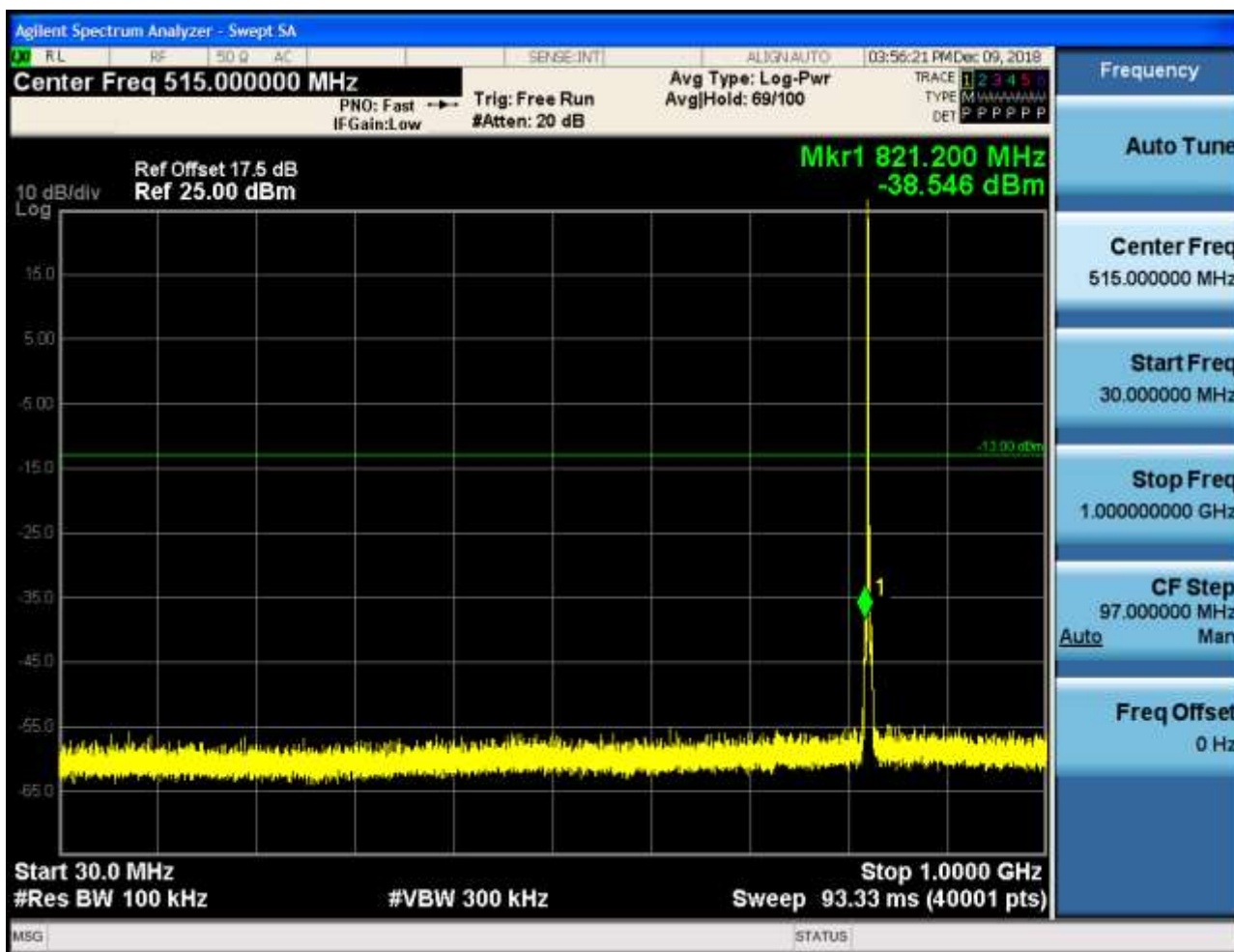
### 6.2.1.2.1 Test Bandwidth = 1.4

#### 6.2.1.2.1.1 Test Channel = LCH

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







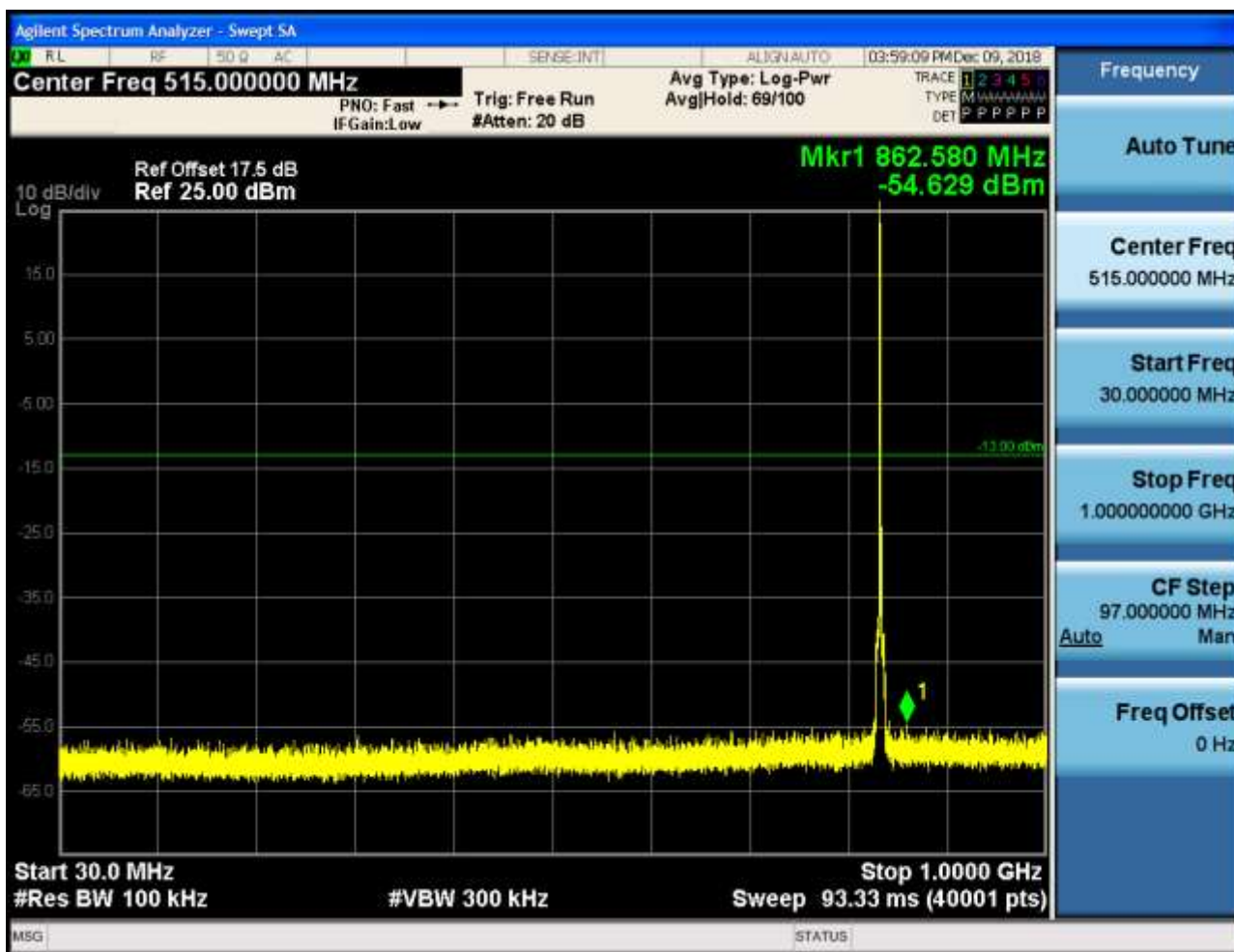


### 6.2.1.2.1.2 Test Channel = MCH

#### 6.2.1.2.1.2.1 Test RB = RB1#0





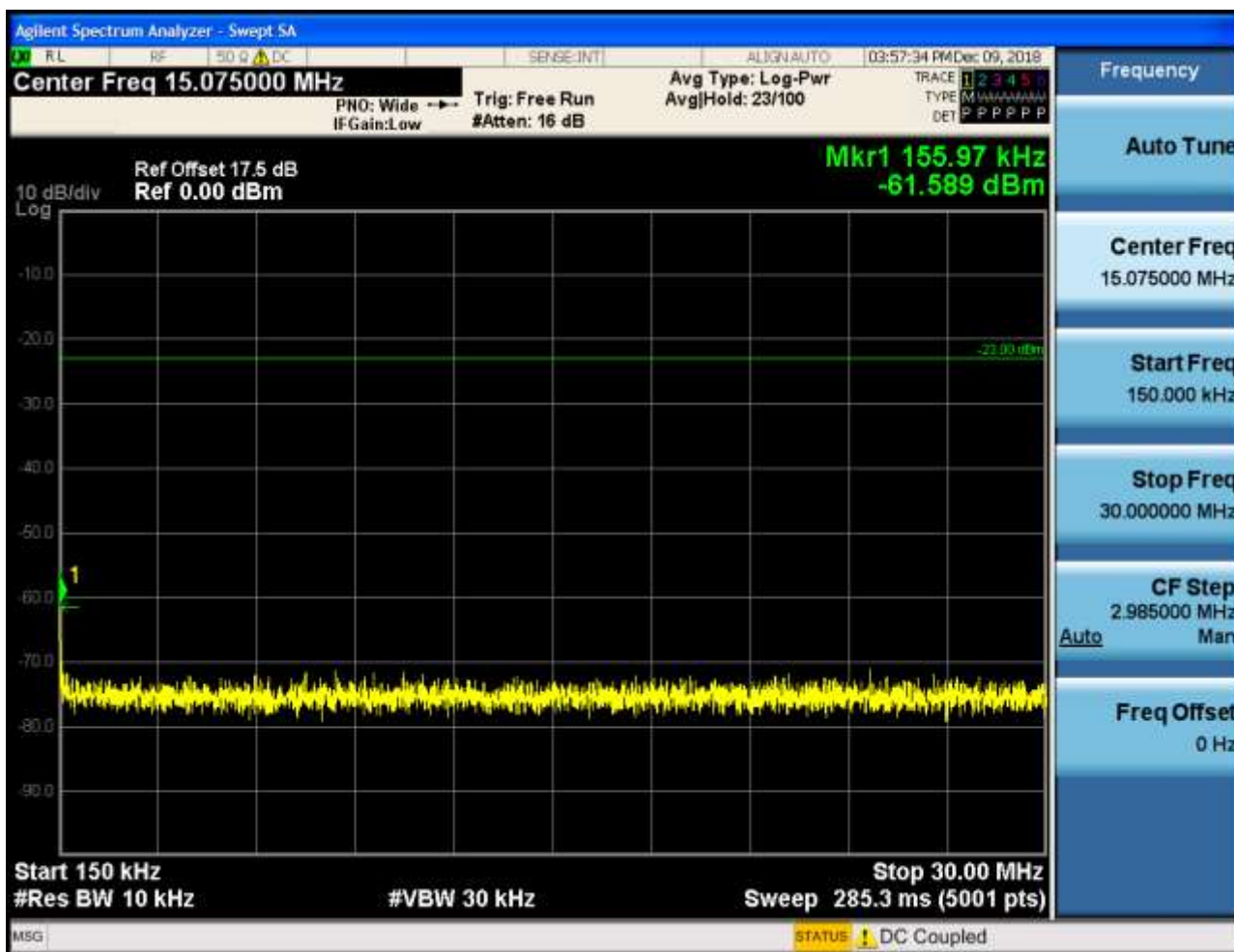


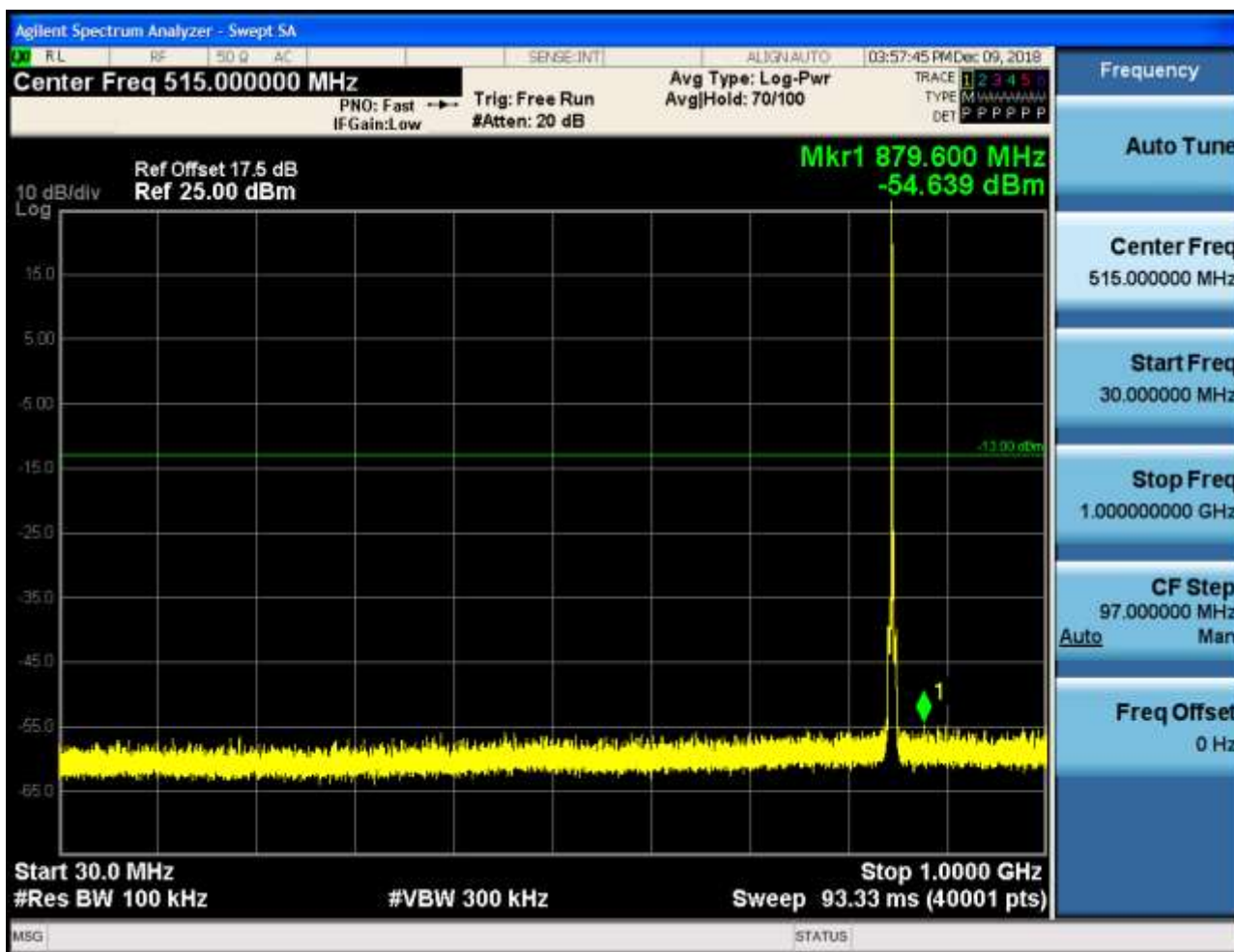


### 6.2.1.2.1.3 Test Channel = HCH

#### 6.2.1.2.1.3.1 Test RB = RB1#0







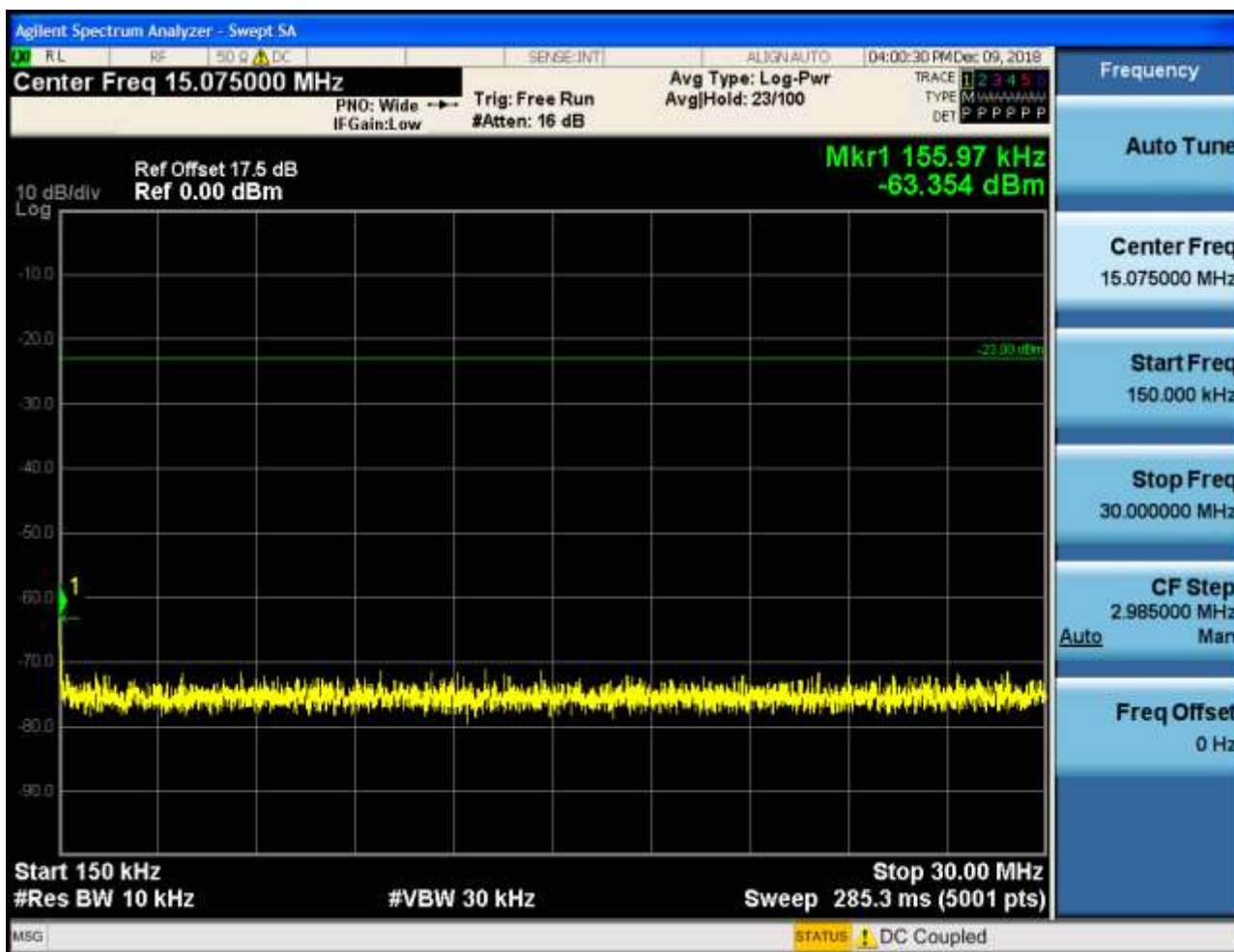


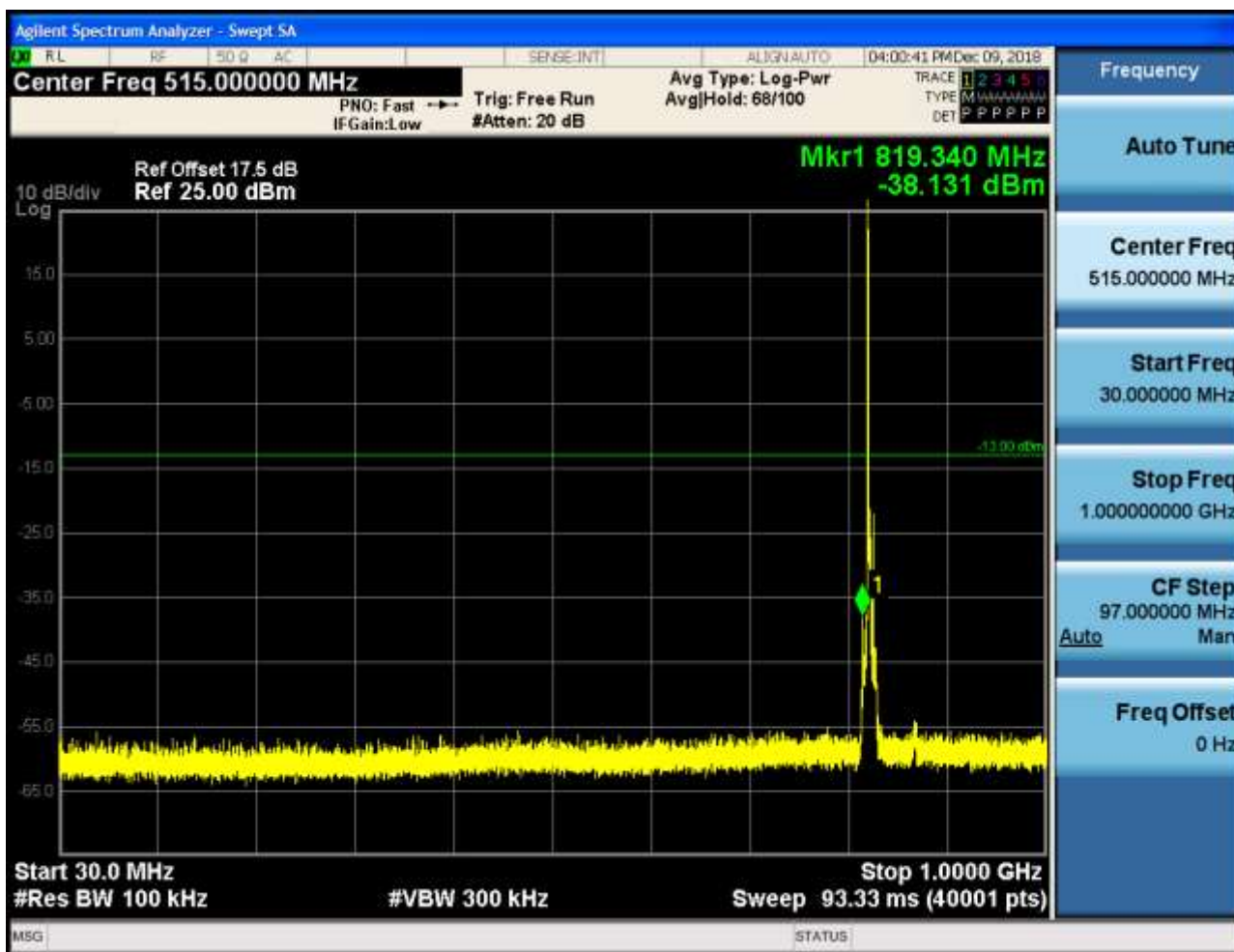
### 6.2.1.2.2 Test Bandwidth = 3

#### 6.2.1.2.2.1 Test Channel = LCH

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







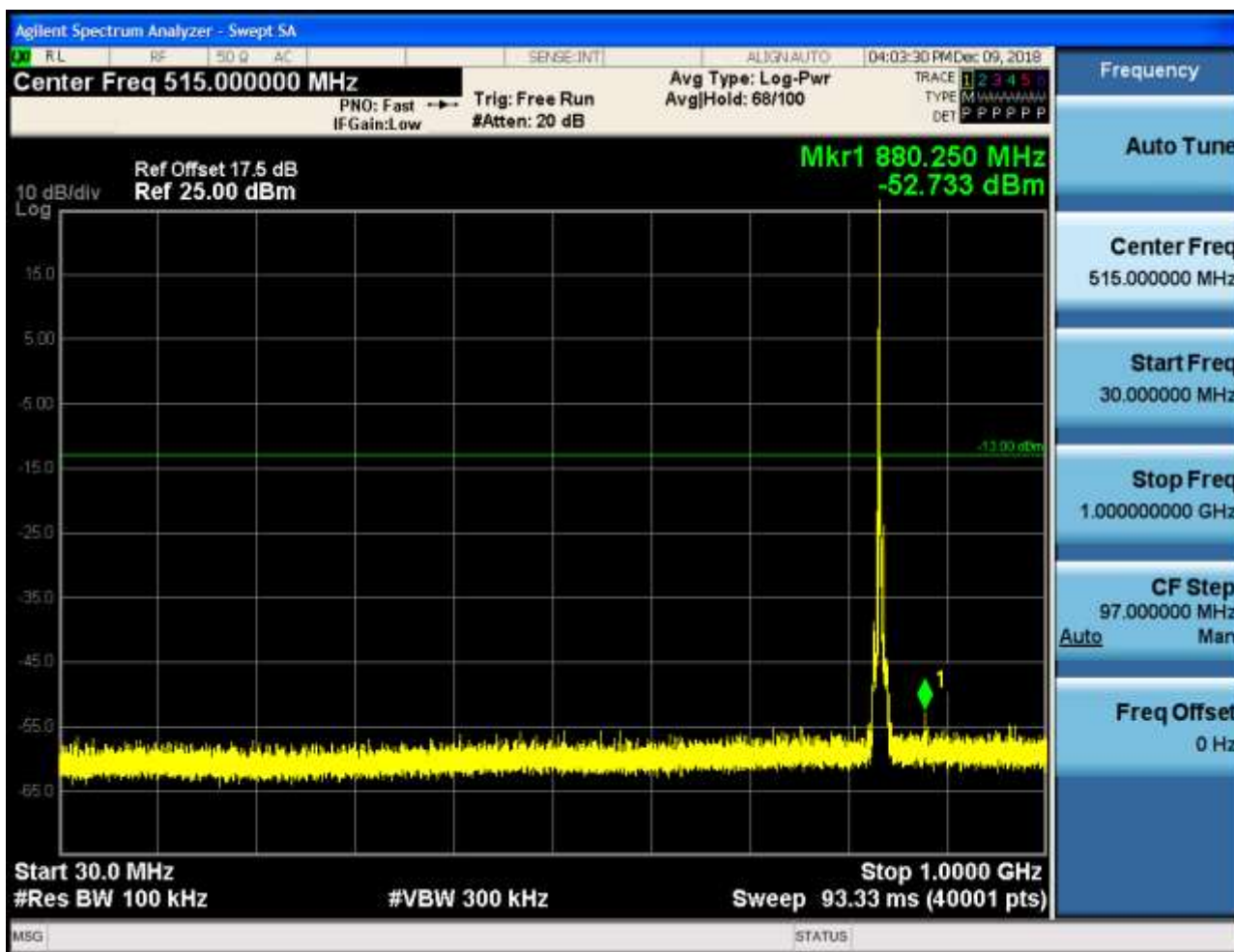


## 6.2.1.2.2.2 Test Channel = MCH

### 6.2.1.2.2.2.1 Test RB = RB1#0





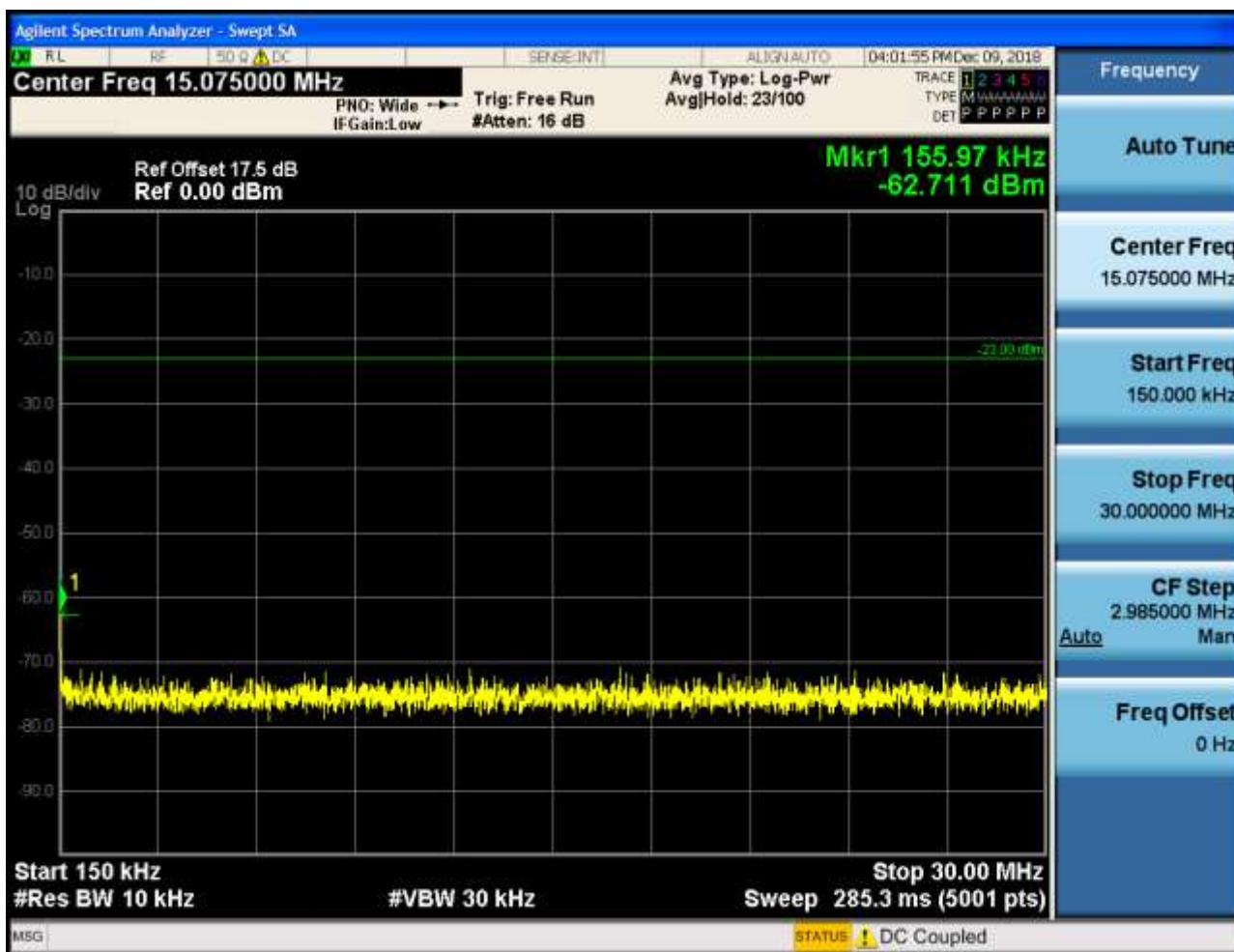


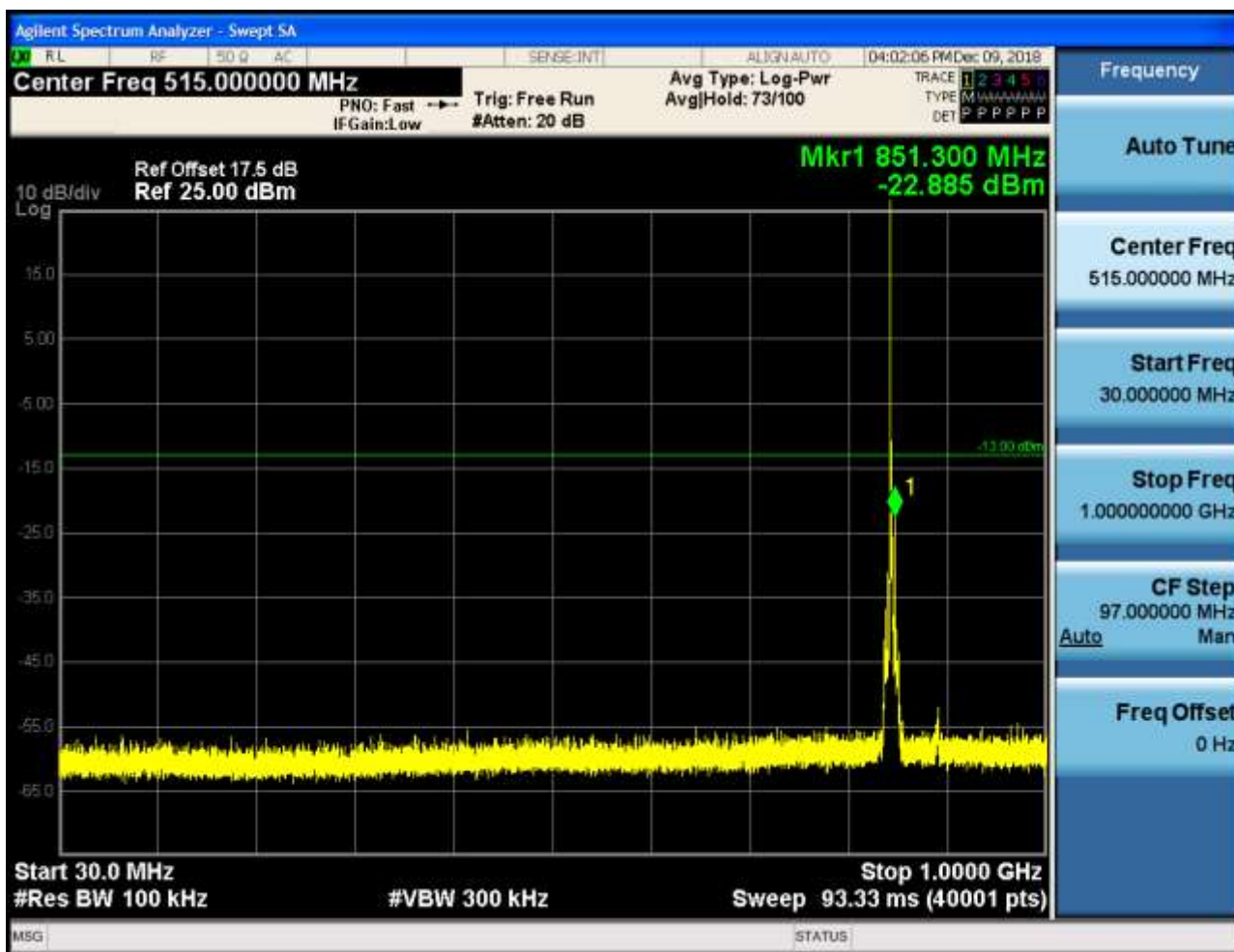


### 6.2.1.2.2.3 Test Channel = HCH

#### 6.2.1.2.2.3.1 Test RB = RB1#0







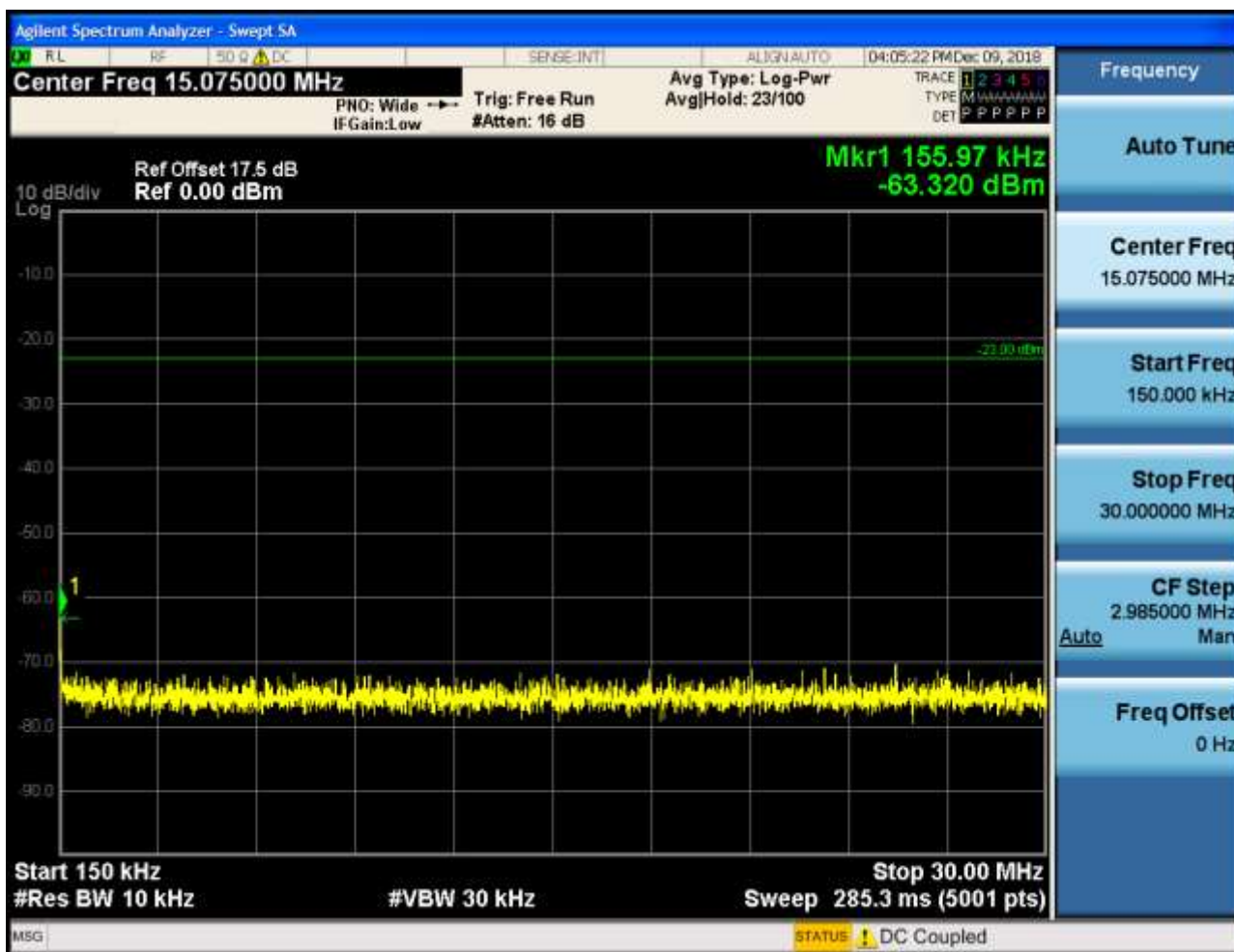


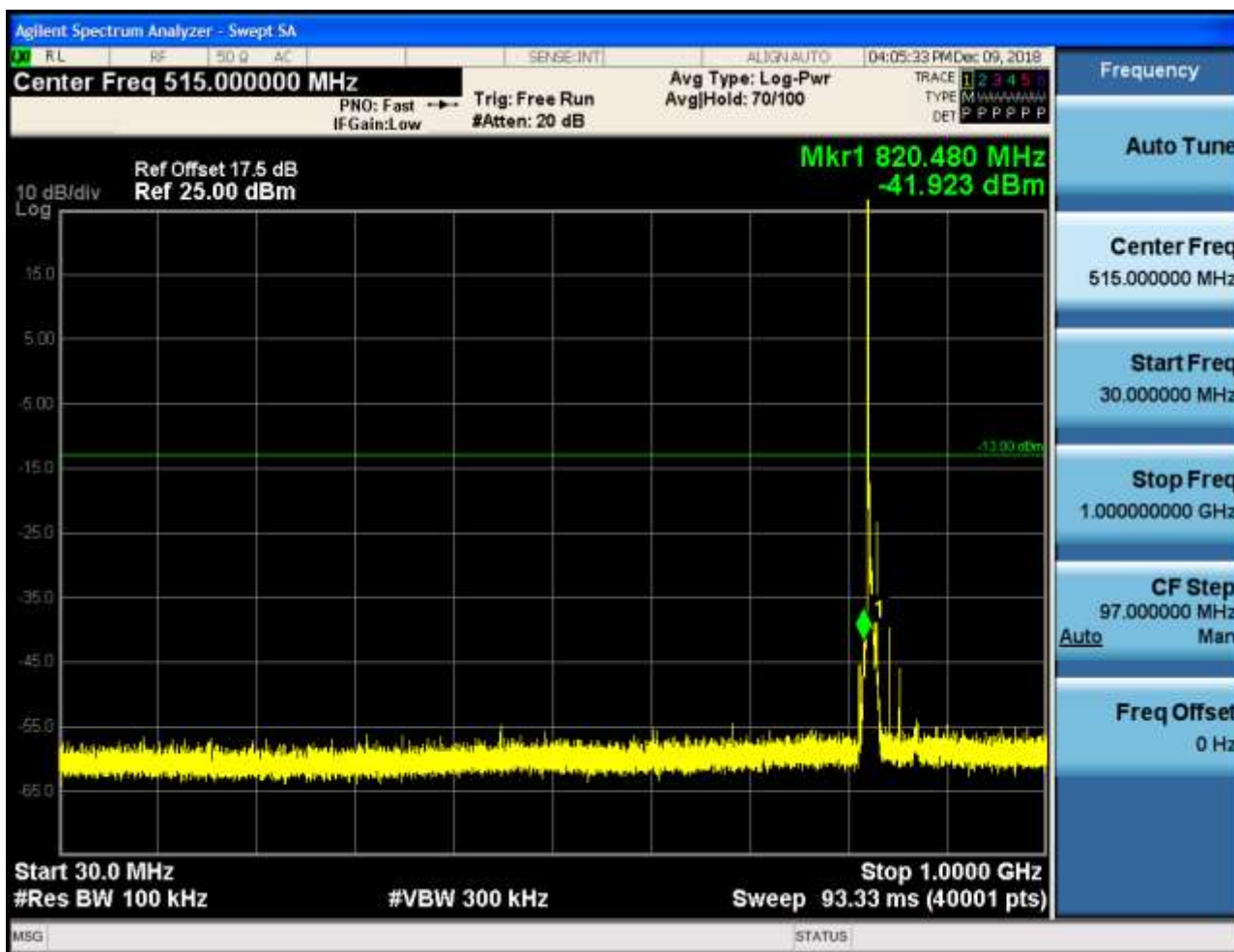
### 6.2.1.2.3 Test Bandwidth = 5

#### 6.2.1.2.3.1 Test Channel = LCH

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





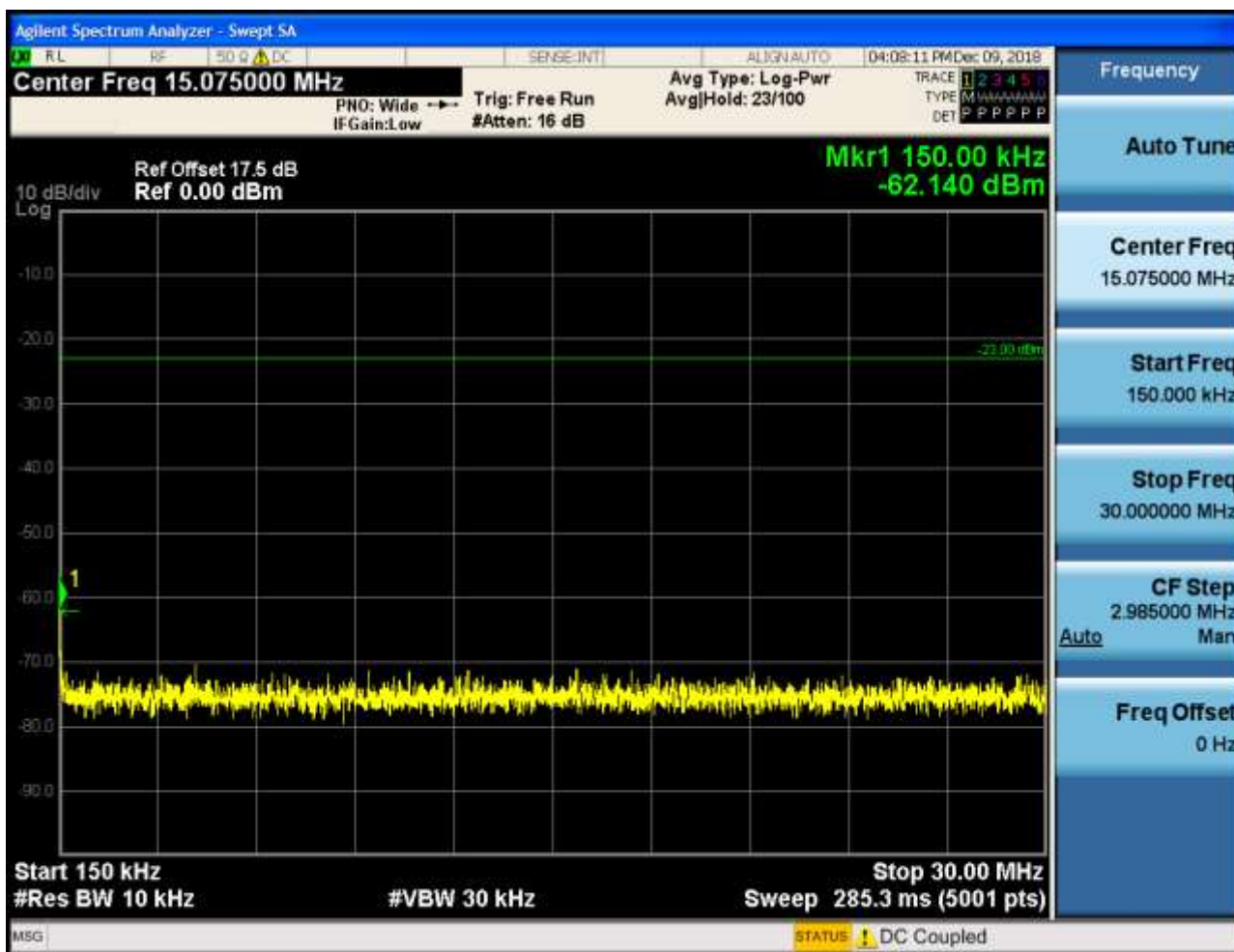


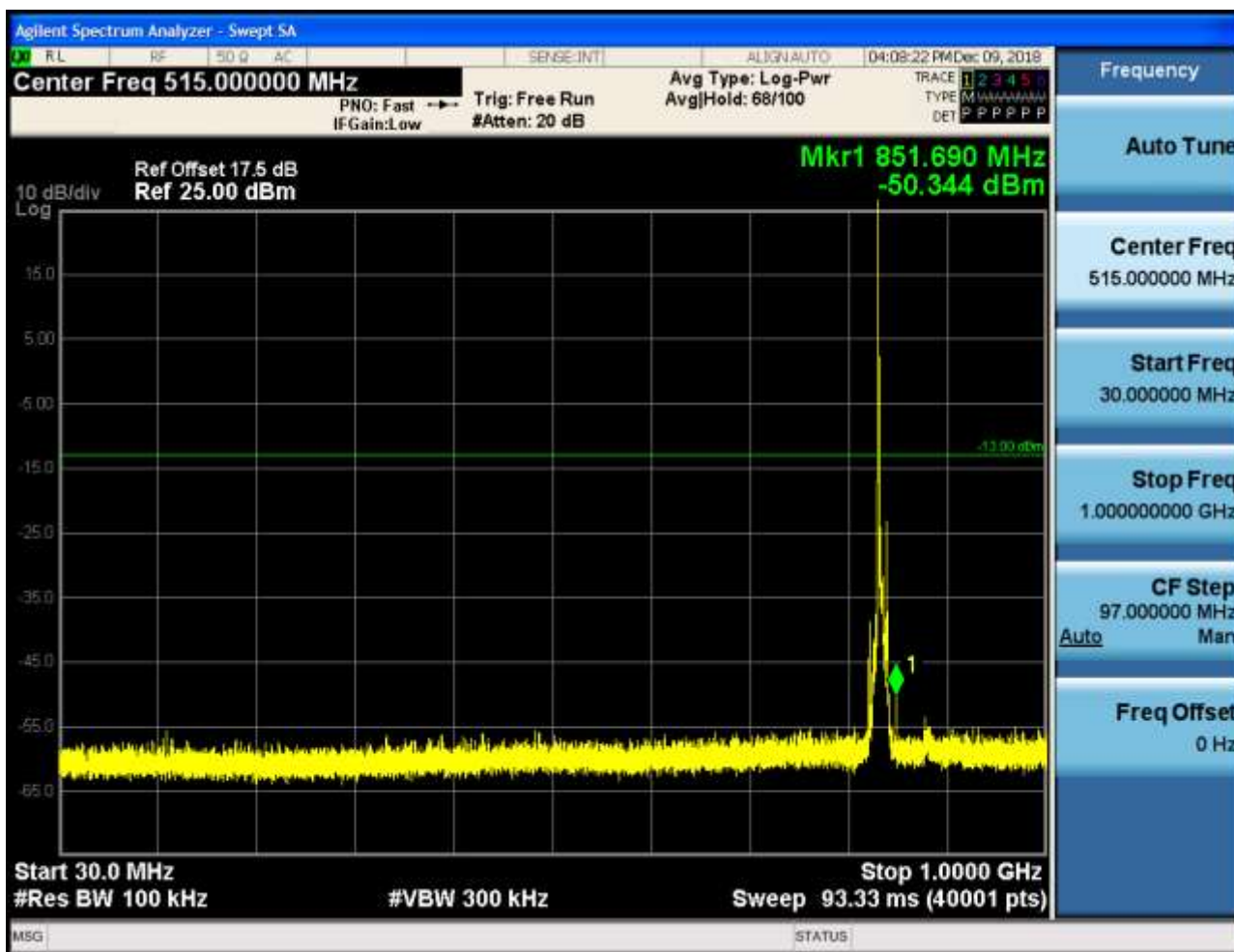


#### 6.2.1.2.3.2 Test Channel = MCH

#### 6.2.1.2.3.2.1 Test RB = RB1#0



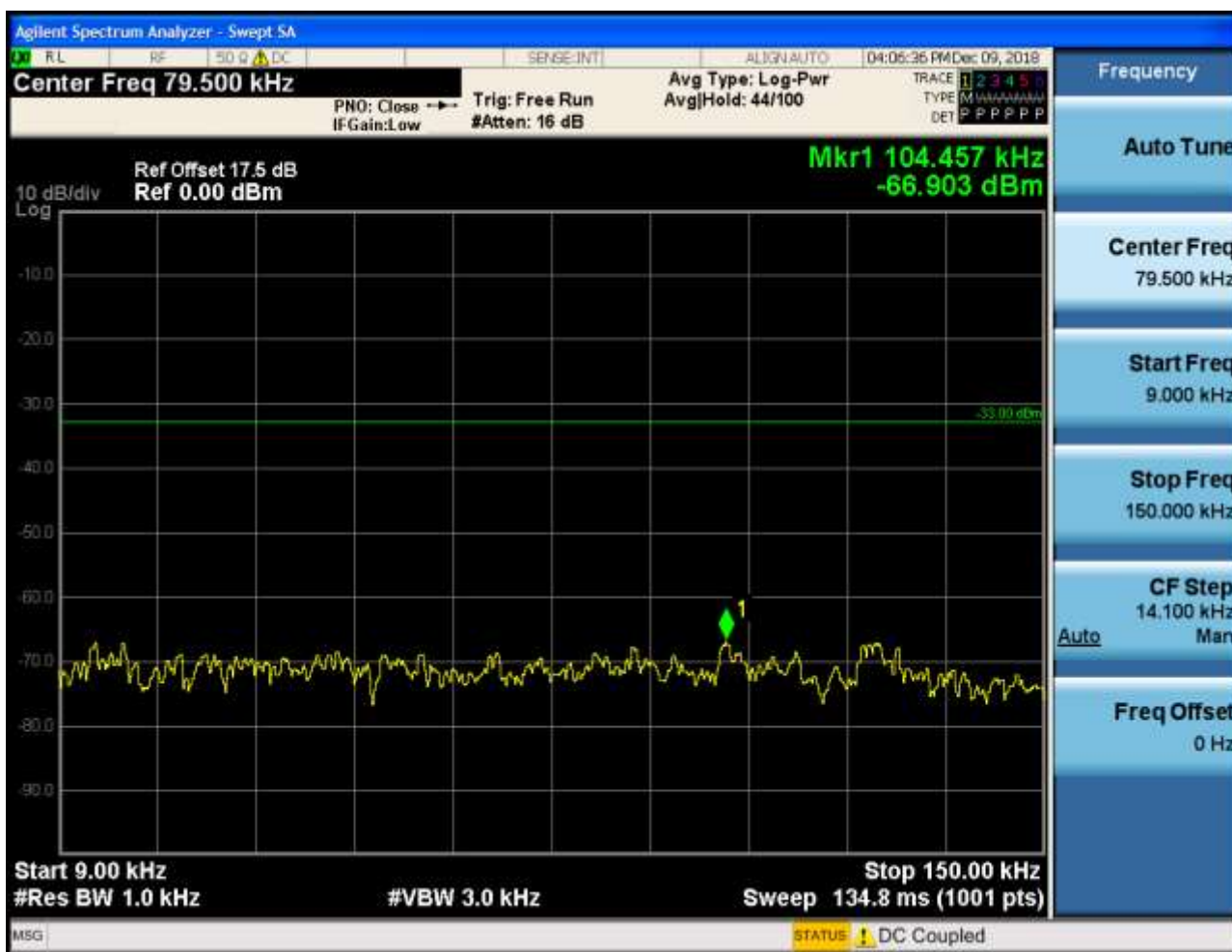


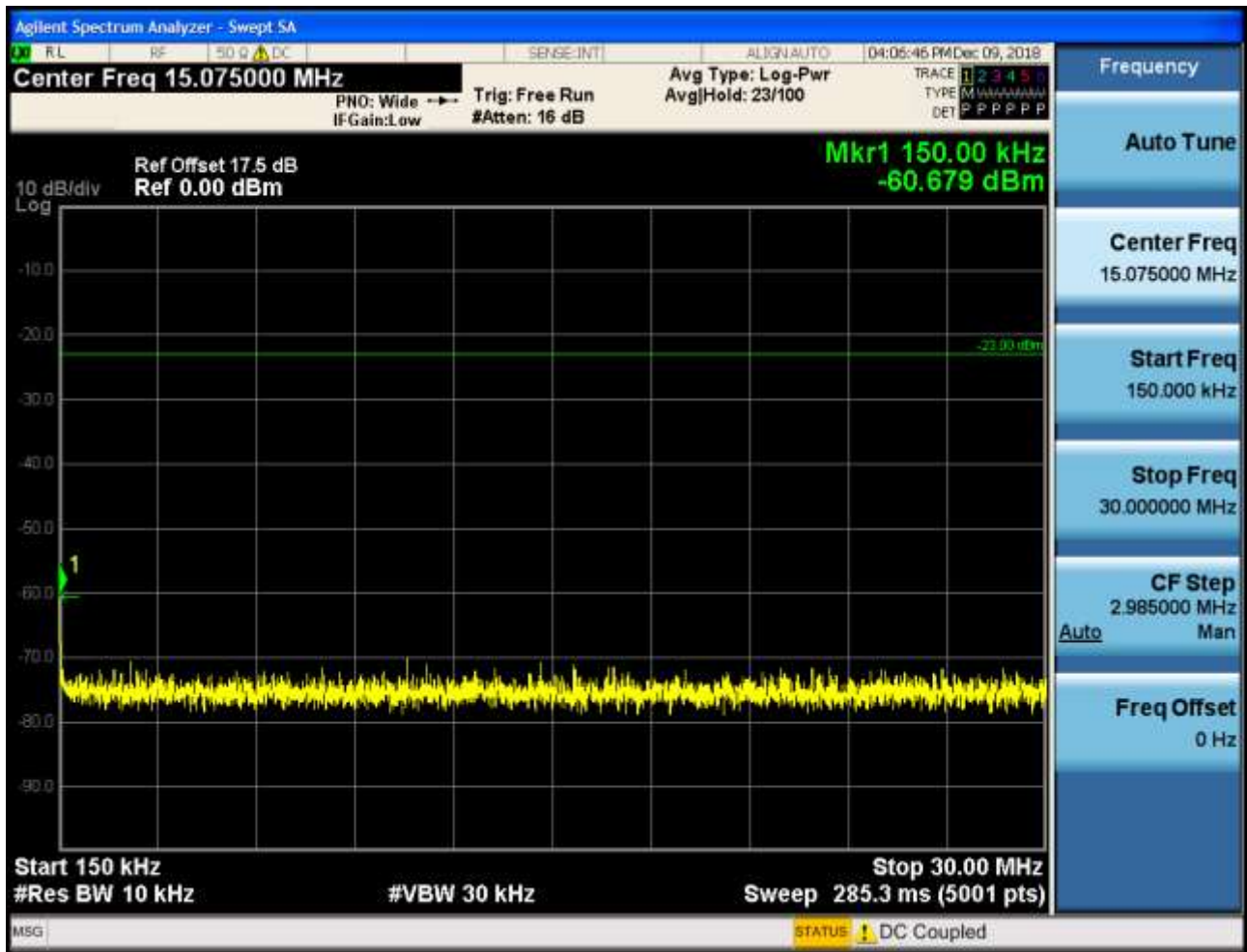


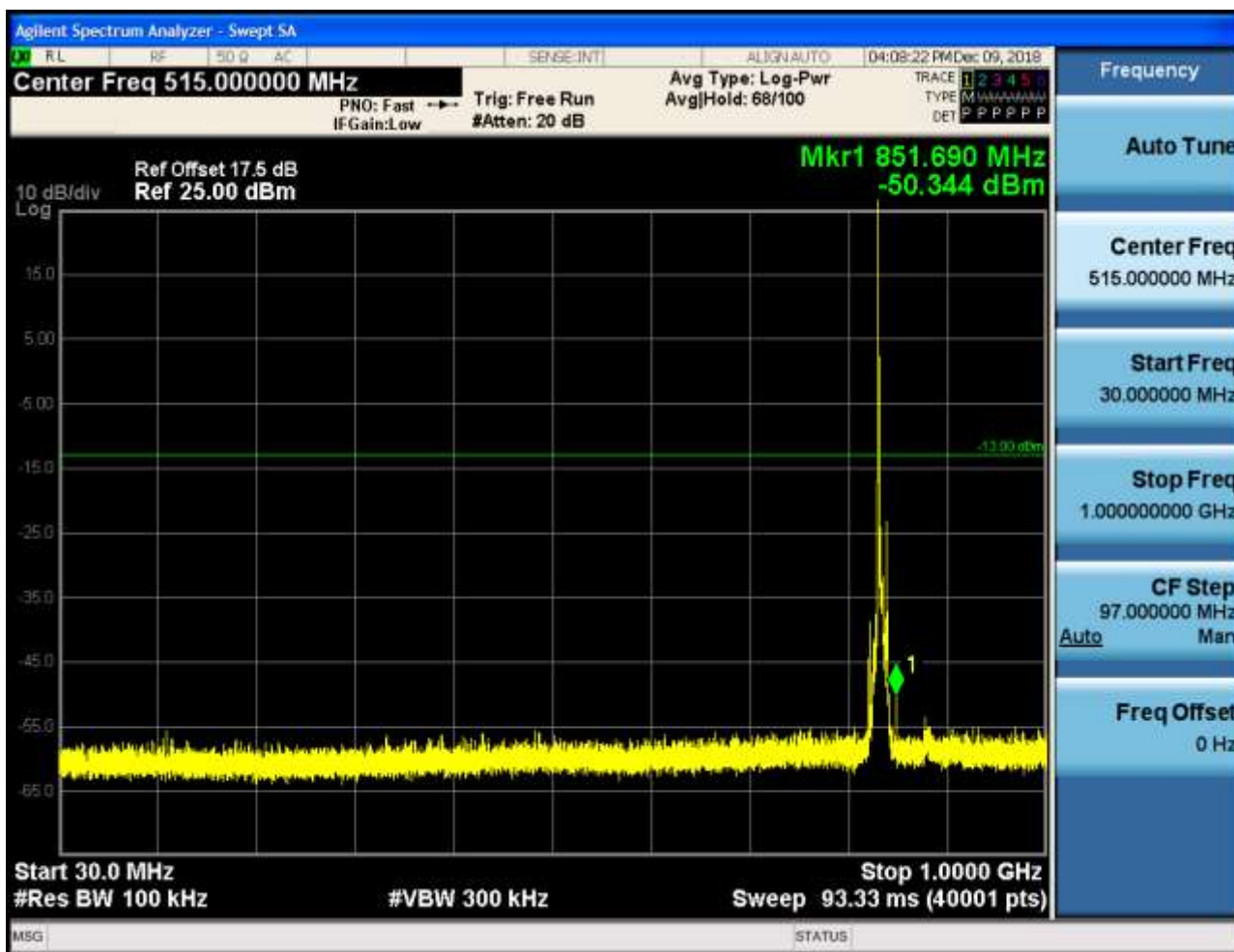


### 6.2.1.2.3.3 Test Channel = HCH

#### 6.2.1.2.3.3.1 Test RB = RB1#0







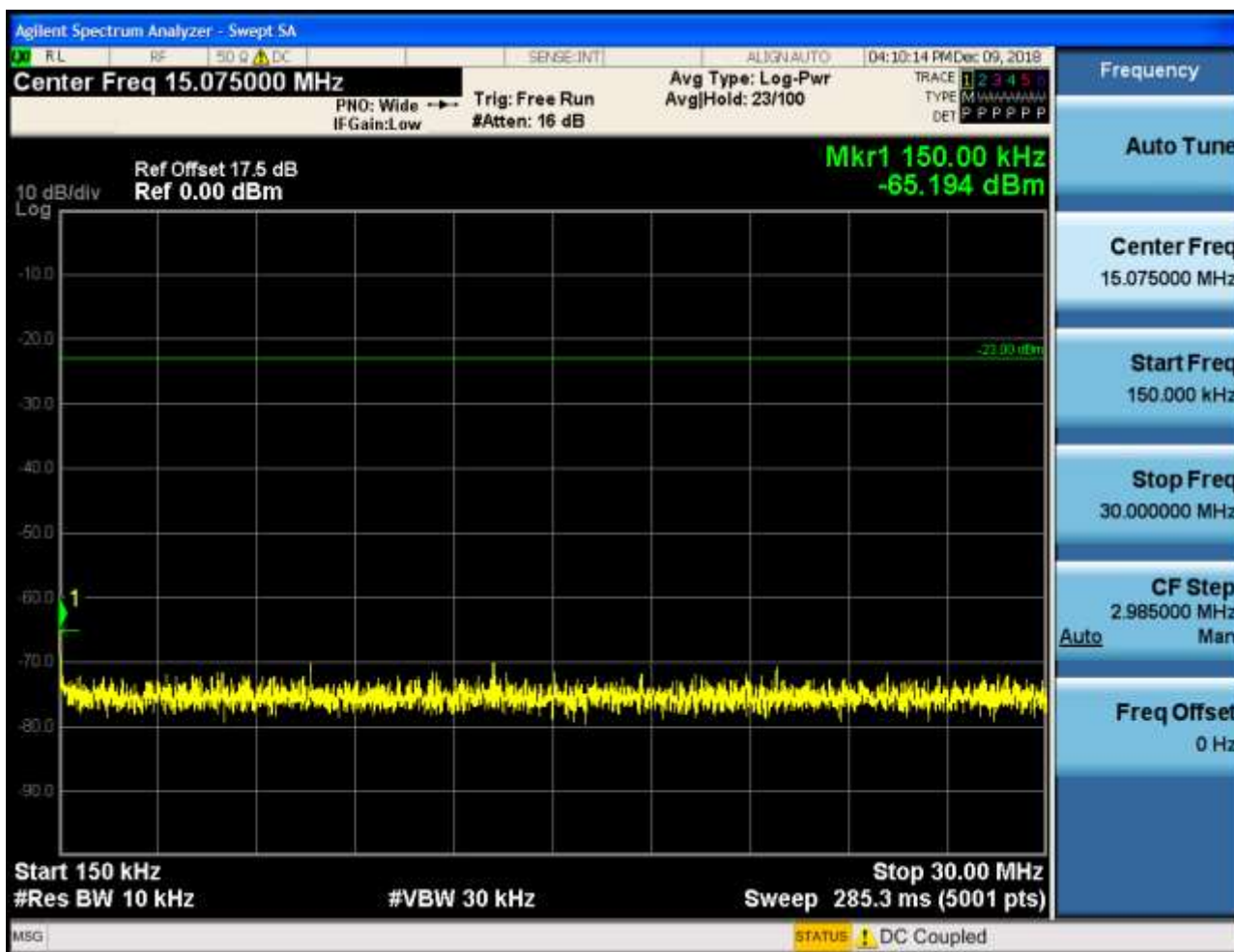


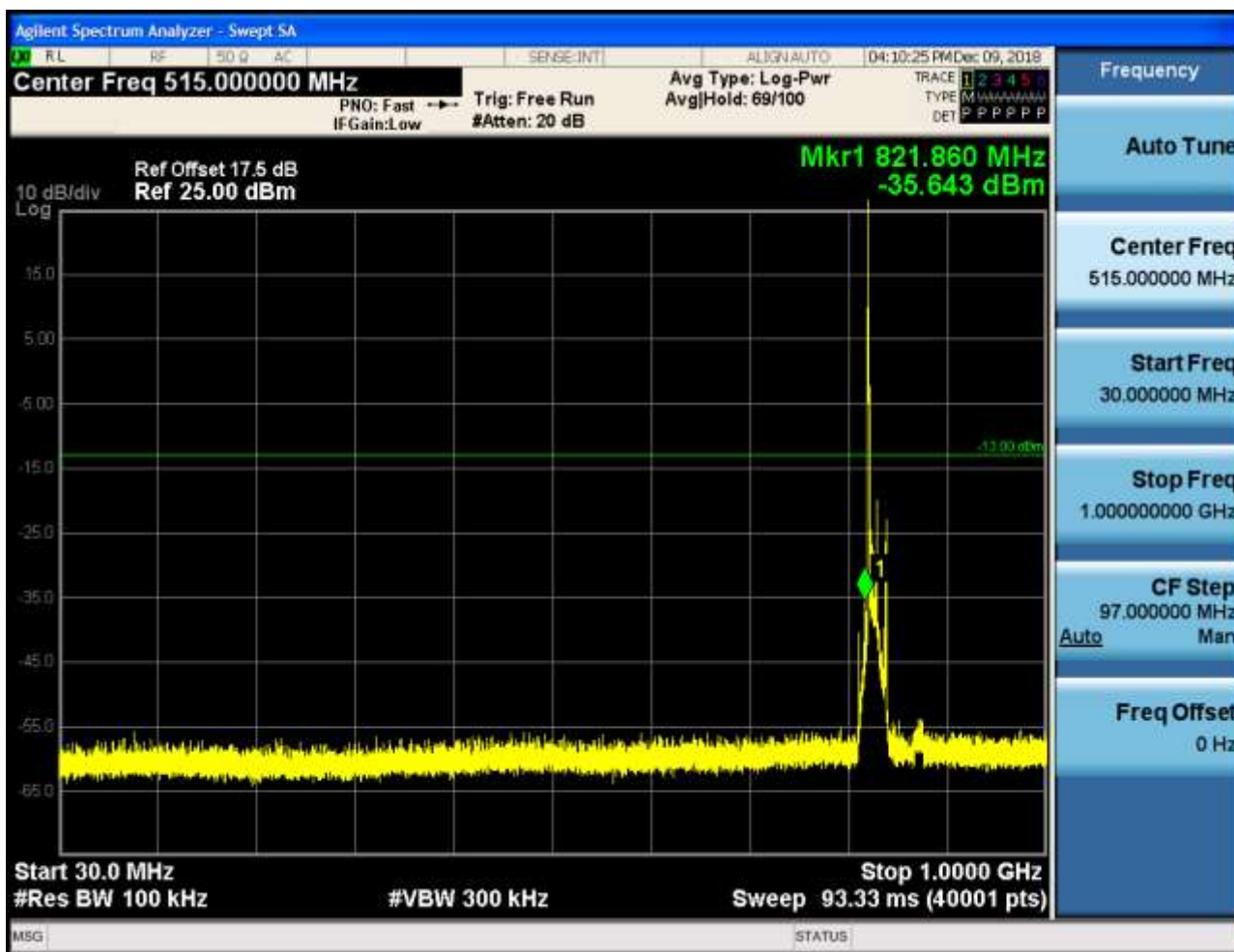
#### 6.2.1.2.4 Test Bandwidth = 10

##### 6.2.1.2.4.1 Test Channel = LCH

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







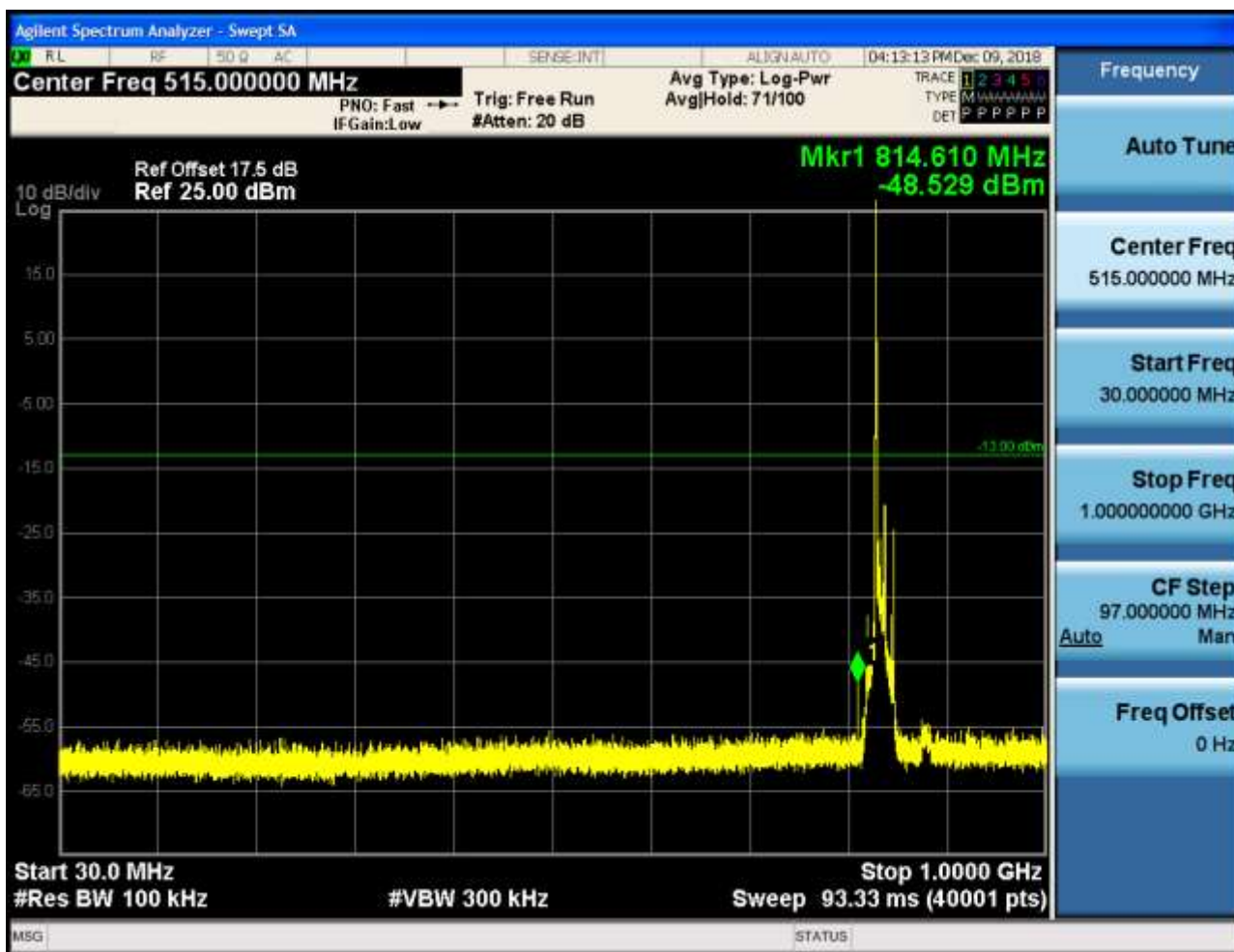


# 6.2.1.2.4.2 Test Channel = MCH

## 6.2.1.2.4.2.1 Test RB = RB1#0







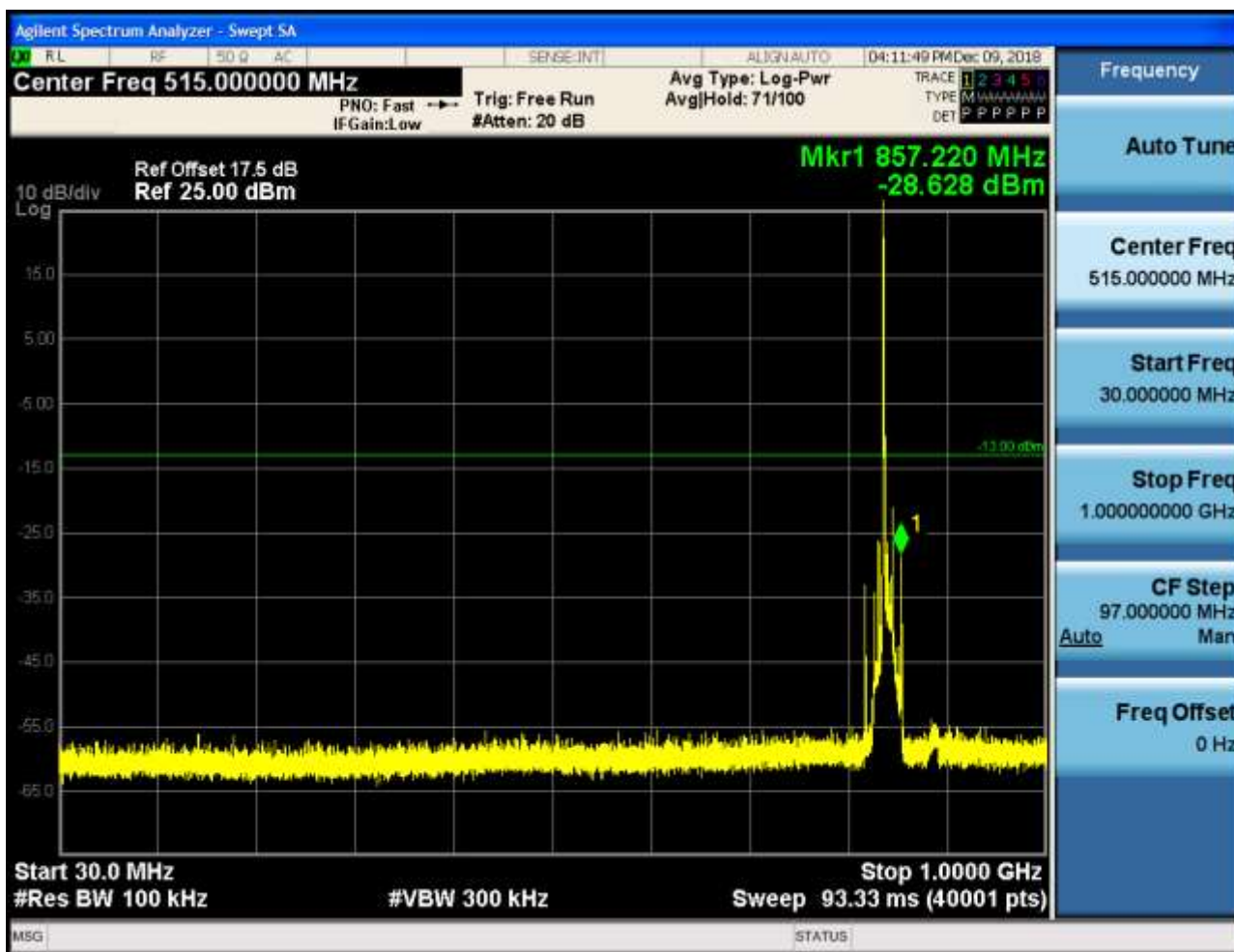


### 6.2.1.2.4.3 Test Channel = HCH

#### 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

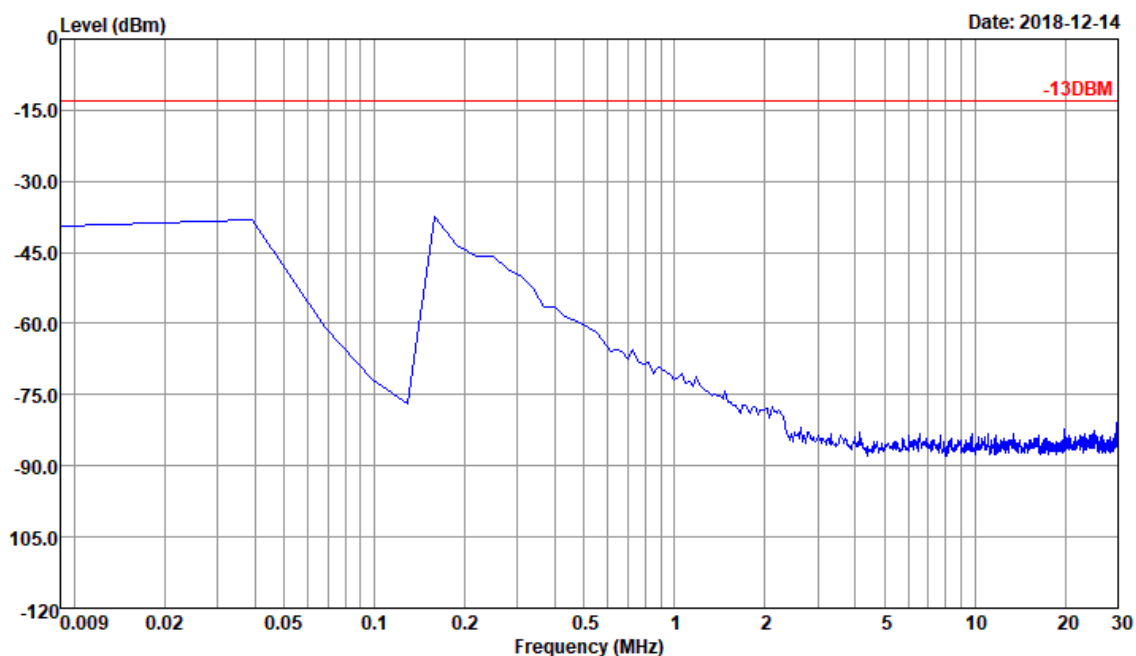
#### 7.1 For LTE

##### 7.1.1 Test Band = Band5\_ANT1

##### 7.1.1.1 Test Bandwidth = 1.4

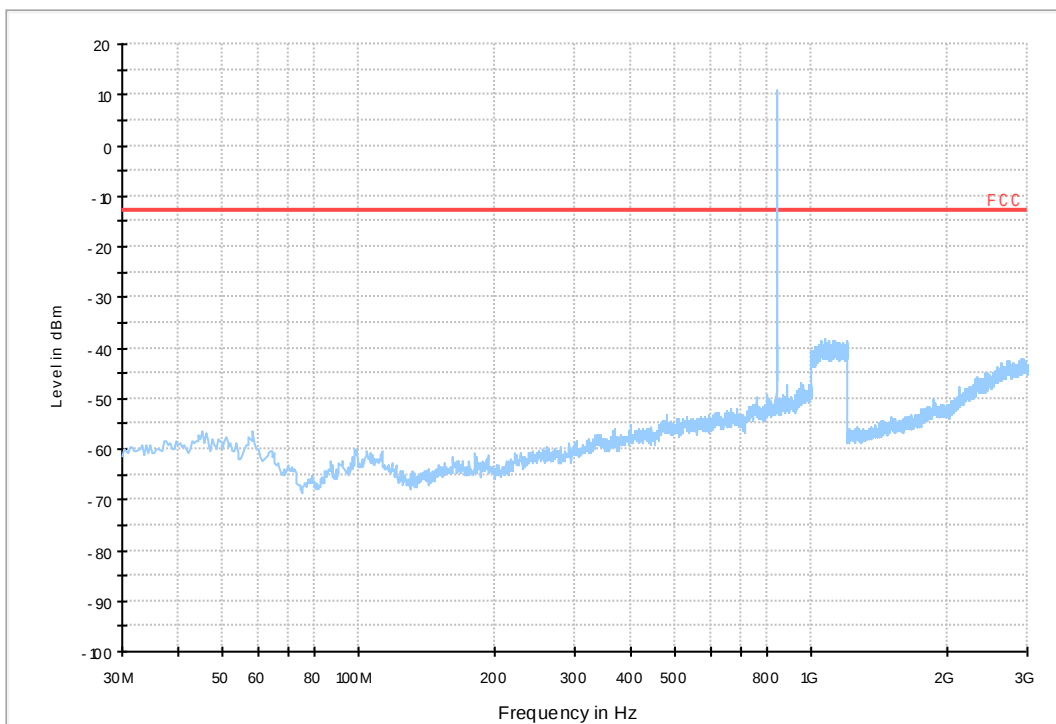


Data: 74

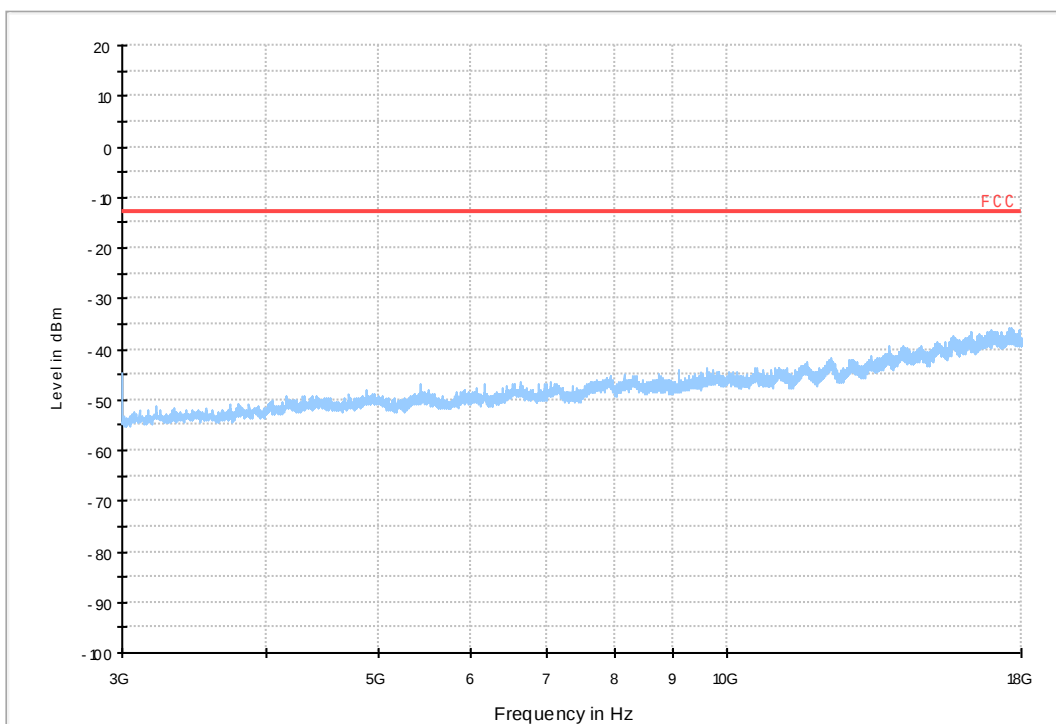


Site : 03CH01-SZ  
Condition : -13DBM  
: RBW:9.000KHz VBW:30.000KHz

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



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

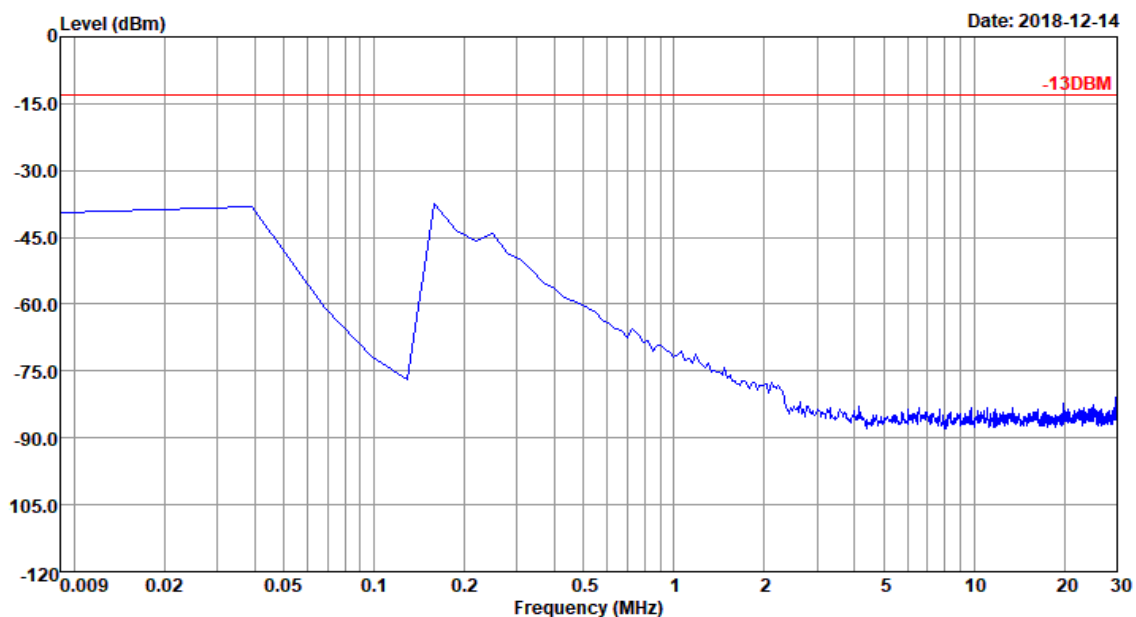


### 7.1.1.2 Test Bandwidth = 10



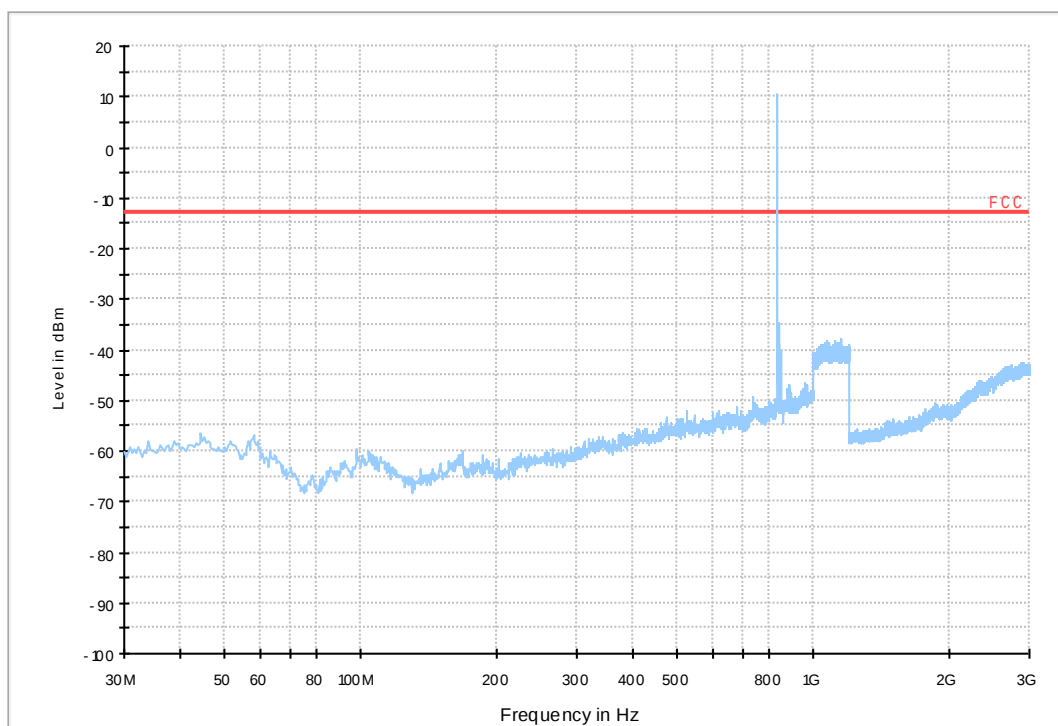
Data: 76

Date: 2018-12-14

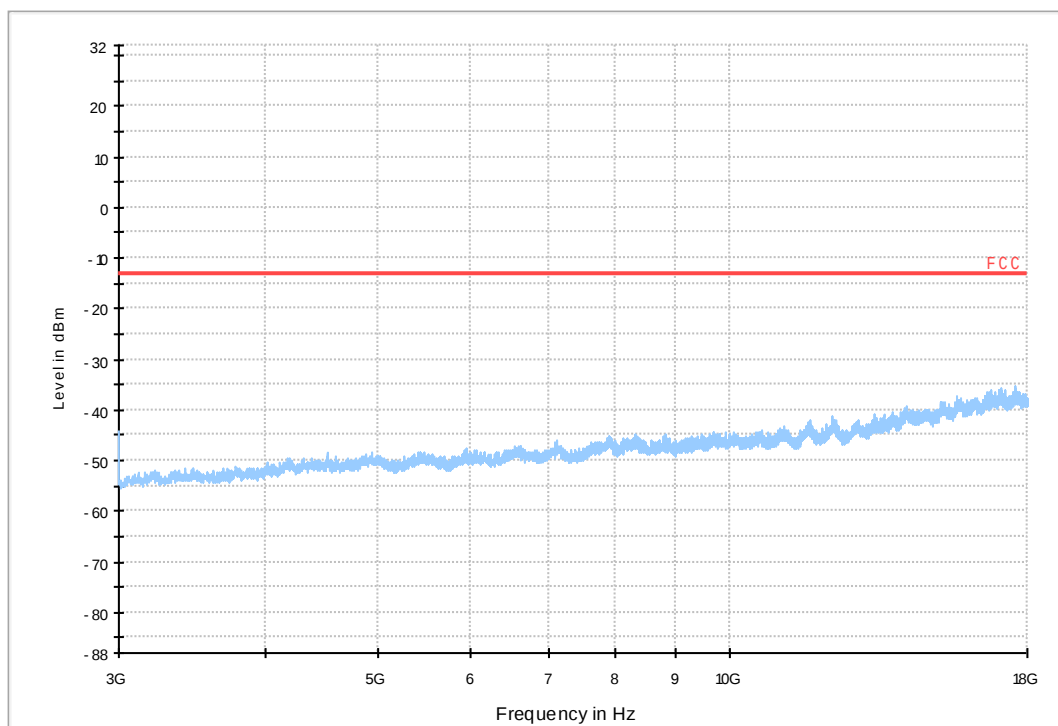


Site : 03CH01-SZ  
Condition : -13DBM  
: RBW:9.000KHz VBW:30.000KHz

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         | -3.71933         | -0.00451              | PASS    |
|           |           |                      |              |            | VN         | -5.95093         | -0.00722              | PASS    |
|           |           |                      |              |            | VH         | -9.41277         | -0.01141              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -7.88212         | -0.00942              | PASS    |
|           |           |                      |              |            | VN         | -4.03404         | -0.00482              | PASS    |
|           |           |                      |              |            | VH         | -4.74930         | -0.00568              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -5.72205         | -0.00675              | PASS    |
|           |           |                      |              |            | VN         | -3.49045         | -0.00411              | PASS    |
|           |           |                      |              |            | VH         | -5.56469         | -0.00656              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -3.06129         | -0.00371              | PASS    |
|           |           |                      |              |            | VN         | -6.69479         | -0.00811              | PASS    |
|           |           |                      |              |            | VH         | -10.97202        | -0.01329              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -9.61304         | -0.01149              | PASS    |
|           |           |                      |              |            | VN         | -5.40733         | -0.00646              | PASS    |
|           |           |                      |              |            | VH         | -8.36849         | -0.01000              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -4.64916         | -0.00549              | PASS    |
|           |           |                      |              |            | VN         | -4.07696         | -0.00481              | PASS    |
|           |           |                      |              |            | VH         | -7.06673         | -0.00834              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -4.82082         | -0.00583              | PASS    |
|           |           |                      |              |            | VN         | -6.10828         | -0.00739              | PASS    |
|           |           |                      |              |            | VH         | -6.26564         | -0.00758              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.37465         | -0.00284              | PASS    |
|           |           |                      |              |            | VN         | -6.58035         | -0.00787              | PASS    |
|           |           |                      |              |            | VH         | -6.53744         | -0.00782              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -6.68049         | -0.00789              | PASS    |
|           |           |                      |              |            | VN         | -7.36713         | -0.00870              | PASS    |
|           |           |                      |              |            | VH         | -7.23839         | -0.00855              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -10.25677        | -0.01237              | PASS    |
|           |           |                      |              |            | VN         | -6.36578         | -0.00768              | PASS    |
|           |           |                      |              |            | VH         | -11.30104        | -0.01363              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -5.97954         | -0.00715              | PASS    |
|           |           |                      |              |            | VN         | -4.29153         | -0.00513              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           | LTE/TM2   |                      | HCH          | TN         | VH         | -6.38008         | -0.00763              | PASS    |
|           |           |                      |              |            | VL         | -7.81059         | -0.00925              | PASS    |
|           |           |                      |              |            | VN         | -8.71181         | -0.01032              | PASS    |
|           |           |                      |              |            | VH         | -5.32150         | -0.00631              | PASS    |
|           |           | 1.4                  | LCH          | TN         | VL         | -5.82218         | -0.00706              | PASS    |
|           |           |                      |              |            | VN         | -5.66483         | -0.00687              | PASS    |
|           |           |                      |              |            | VH         | -5.73635         | -0.00696              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -7.46727         | -0.00893              | PASS    |
|           |           |                      |              |            | VN         | -4.30584         | -0.00515              | PASS    |
|           |           |                      |              |            | VH         | -7.86781         | -0.00941              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -7.46727         | -0.00880              | PASS    |
|           |           |                      |              |            | VN         | -3.93391         | -0.00464              | PASS    |
|           |           |                      |              |            | VH         | -3.54767         | -0.00418              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -6.32286         | -0.00766              | PASS    |
|           |           |                      |              |            | VN         | -6.79493         | -0.00823              | PASS    |
|           |           |                      |              |            | VH         | -6.85215         | -0.00830              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -9.91344         | -0.01185              | PASS    |
|           |           |                      |              |            | VN         | -3.60489         | -0.00431              | PASS    |
|           |           |                      |              |            | VH         | -8.99792         | -0.01076              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -7.88212         | -0.00930              | PASS    |
|           |           |                      |              |            | VN         | -6.58035         | -0.00776              | PASS    |
|           |           |                      |              |            | VH         | -6.17981         | -0.00729              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -8.98361         | -0.01087              | PASS    |
|           |           |                      |              |            | VN         | -8.95500         | -0.01083              | PASS    |
|           |           |                      |              |            | VH         | -7.32422         | -0.00886              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -5.99384         | -0.00717              | PASS    |
|           |           |                      |              |            | VN         | -8.94070         | -0.01069              | PASS    |
|           |           |                      |              |            | VH         | -5.59330         | -0.00669              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -8.76904         | -0.01036              | PASS    |
|           |           |                      |              |            | VN         | -7.86781         | -0.00929              | PASS    |
|           |           |                      |              |            | VH         | -9.65595         | -0.01141              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -10.65731        | -0.01286              | PASS    |
|           |           |                      |              |            | VN         | -8.48293         | -0.01023              | PASS    |
|           |           |                      |              |            | VH         | -6.17981         | -0.00745              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -6.89506         | -0.00824              | PASS    |
|           |           |                      |              |            | VN         | -8.96931         | -0.01072              | PASS    |
|           |           |                      |              |            | VH         | -6.96659         | -0.00833              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.89099         | -0.00461              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -5.03540         | -0.00597              | PASS    |
|           |           |                      |              |            | VH         | -7.26700         | -0.00861              | 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       | -5.62191         | -0.00682              | PASS    |
|           |           |                      |              |            | -20       | -5.69344         | -0.00690              | PASS    |
|           |           |                      |              |            | -10       | -7.59602         | -0.00921              | PASS    |
|           |           |                      |              |            | 0         | -7.89642         | -0.00957              | PASS    |
|           |           |                      |              |            | 10        | -5.99384         | -0.00727              | PASS    |
|           |           |                      |              |            | 20        | -5.95093         | -0.00722              | PASS    |
|           |           |                      |              |            | 30        | -7.65324         | -0.00928              | PASS    |
|           |           |                      |              |            | 40        | -6.68049         | -0.00810              | PASS    |
|           |           |                      |              |            | 50        | -7.18117         | -0.00871              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -5.14984         | -0.00616              | PASS    |
|           |           |                      |              |            | -20       | -4.56333         | -0.00546              | PASS    |
|           |           |                      |              |            | -10       | -3.10421         | -0.00371              | PASS    |
|           |           |                      |              |            | 0         | -6.07967         | -0.00727              | PASS    |
|           |           |                      |              |            | 10        | -5.86510         | -0.00701              | PASS    |
|           |           |                      |              |            | 20        | -4.03404         | -0.00482              | PASS    |
|           |           |                      |              |            | 30        | -3.87669         | -0.00463              | PASS    |
|           |           |                      |              |            | 40        | -4.76360         | -0.00569              | PASS    |
|           |           |                      |              |            | 50        | -2.07424         | -0.00248              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -4.27723         | -0.00504              | PASS    |
|           |           |                      |              |            | -20       | -5.02109         | -0.00592              | PASS    |
|           |           |                      |              |            | -10       | -4.14848         | -0.00489              | PASS    |
|           |           |                      |              |            | 0         | -6.55174         | -0.00772              | PASS    |
|           |           |                      |              |            | 10        | -6.29425         | -0.00742              | PASS    |
|           |           |                      |              |            | 20        | -3.49045         | -0.00411              | PASS    |
|           |           |                      |              |            | 30        | -4.50611         | -0.00531              | PASS    |
|           |           |                      |              |            | 40        | -5.77927         | -0.00681              | PASS    |
|           |           |                      |              |            | 50        | -3.29018         | -0.00388              | PASS    |
|           |           | 3                    | LCH          | VN         | -30       | -10.61440        | -0.01286              | PASS    |
|           |           |                      |              |            | -20       | -3.00407         | -0.00364              | PASS    |
|           |           |                      |              |            | -10       | -2.68936         | -0.00326              | PASS    |
|           |           |                      |              |            | 0         | -6.13689         | -0.00743              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | -9.97067         | -0.01208              | PASS    |
|           |           |                      |              |            | 20        | -6.69479         | -0.00811              | PASS    |
|           |           |                      |              |            | 30        | -3.79086         | -0.00459              | PASS    |
|           |           |                      |              |            | 40        | -5.14984         | -0.00624              | PASS    |
|           |           |                      |              |            | 50        | -4.77791         | -0.00579              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -4.03404         | -0.00482              | PASS    |
|           |           |                      |              |            | -20       | -1.41621         | -0.00169              | PASS    |
|           |           |                      |              |            | -10       | -5.67913         | -0.00679              | PASS    |
|           |           |                      |              |            | 0         | -6.39439         | -0.00764              | PASS    |
|           |           |                      |              |            | 10        | -2.93255         | -0.00351              | PASS    |
|           |           |                      |              |            | 20        | -5.40733         | -0.00646              | PASS    |
|           |           |                      |              |            | 30        | -4.32015         | -0.00516              | PASS    |
|           |           |                      |              |            | 40        | -3.84808         | -0.00460              | PASS    |
|           |           |                      |              |            | 50        | -3.08990         | -0.00369              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -4.77791         | -0.00564              | PASS    |
|           |           |                      |              |            | -20       | -5.36442         | -0.00633              | PASS    |
|           |           |                      |              |            | -10       | -6.33717         | -0.00748              | PASS    |
|           |           |                      |              |            | 0         | -7.63893         | -0.00901              | PASS    |
|           |           |                      |              |            | 10        | -6.22272         | -0.00734              | PASS    |
|           |           |                      |              |            | 20        | -4.07696         | -0.00481              | PASS    |
|           |           |                      |              |            | 30        | -6.96659         | -0.00822              | PASS    |
|           |           |                      |              |            | 40        | -6.78062         | -0.00800              | PASS    |
|           |           |                      |              |            | 50        | -3.84808         | -0.00454              | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | -9.61304         | -0.01163              | PASS    |
|           |           |                      |              |            | -20       | -5.07832         | -0.00614              | PASS    |
|           |           |                      |              |            | -10       | -5.42164         | -0.00656              | PASS    |
|           |           |                      |              |            | 0         | -4.70638         | -0.00569              | PASS    |
|           |           |                      |              |            | 10        | -4.29153         | -0.00519              | PASS    |
|           |           |                      |              |            | 20        | -6.10828         | -0.00739              | PASS    |
|           |           |                      |              |            | 30        | -8.56876         | -0.01037              | PASS    |
|           |           |                      |              |            | 40        | -8.12531         | -0.00983              | PASS    |
|           |           |                      |              |            | 50        | -5.02109         | -0.00608              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -3.40462         | -0.00407              | PASS    |
|           |           |                      |              |            | -20       | -9.09805         | -0.01088              | PASS    |
|           |           |                      |              |            | -10       | -6.09398         | -0.00729              | PASS    |
|           |           |                      |              |            | 0         | -5.60761         | -0.00670              | PASS    |
|           |           |                      |              |            | 10        | -5.72205         | -0.00684              | PASS    |
|           |           |                      |              |            | 20        | -6.58035         | -0.00787              | PASS    |
|           |           |                      |              |            | 30        | -5.86510         | -0.00701              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | -4.74930         | -0.00568              | PASS    |
|           |           |                      |              |            | 50        | -5.56469         | -0.00665              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -10.14233        | -0.01198              | PASS    |
|           |           |                      |              |            | -20       | -4.09126         | -0.00483              | PASS    |
|           |           |                      |              |            | -10       | -6.99520         | -0.00826              | PASS    |
|           |           |                      |              |            | 0         | -6.90937         | -0.00816              | PASS    |
|           |           |                      |              |            | 10        | -9.18388         | -0.01085              | PASS    |
|           |           |                      |              |            | 20        | -7.36713         | -0.00870              | PASS    |
|           |           |                      |              |            | 30        | -6.79493         | -0.00803              | PASS    |
|           |           |                      |              |            | 40        | -8.56876         | -0.01012              | PASS    |
|           |           |                      |              |            | 50        | -8.21114         | -0.00970              | PASS    |
|           |           |                      | LCH          | VN         | -30       | -5.90801         | -0.00713              | PASS    |
|           |           |                      |              |            | -20       | -7.32422         | -0.00884              | PASS    |
|           |           |                      |              |            | -10       | -9.31263         | -0.01123              | PASS    |
|           |           |                      |              |            | 0         | -6.92368         | -0.00835              | PASS    |
|           |           |                      |              |            | 10        | -6.40869         | -0.00773              | PASS    |
|           |           |                      |              |            | 20        | -6.36578         | -0.00768              | PASS    |
|           |           |                      |              |            | 30        | -7.79629         | -0.00940              | PASS    |
|           |           |                      |              |            | 40        | -7.05242         | -0.00851              | PASS    |
|           |           |                      |              |            | 50        | -5.73635         | -0.00692              | PASS    |
|           |           | 10                   | MCH          | VN         | -30       | -5.35011         | -0.00640              | PASS    |
|           |           |                      |              |            | -20       | -3.50475         | -0.00419              | PASS    |
|           |           |                      |              |            | -10       | -8.09670         | -0.00968              | PASS    |
|           |           |                      |              |            | 0         | -7.08103         | -0.00847              | PASS    |
|           |           |                      |              |            | 10        | -9.29833         | -0.01112              | PASS    |
|           |           |                      |              |            | 20        | -4.29153         | -0.00513              | PASS    |
|           |           |                      |              |            | 30        | -7.91073         | -0.00946              | PASS    |
|           |           |                      |              |            | 40        | -9.14097         | -0.01093              | PASS    |
|           |           |                      |              |            | 50        | -4.70638         | -0.00563              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -8.75473         | -0.01037              | PASS    |
|           |           |                      |              |            | -20       | -7.93934         | -0.00941              | PASS    |
|           |           |                      |              |            | -10       | -9.51290         | -0.01127              | PASS    |
|           |           |                      |              |            | 0         | -8.46863         | -0.01003              | PASS    |
|           |           |                      |              |            | 10        | -8.09670         | -0.00959              | PASS    |
|           |           |                      |              |            | 20        | -8.71181         | -0.01032              | PASS    |
|           |           |                      |              |            | 30        | -8.23975         | -0.00976              | PASS    |
|           |           |                      |              |            | 40        | -10.39982        | -0.01232              | PASS    |
|           |           |                      |              |            | 50        | -9.22680         | -0.01093              | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30       | -2.74658         | -0.00333              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20       | -4.59194         | -0.00557              | PASS    |
|           |           |                      |              |            | -10       | -6.42300         | -0.00779              | PASS    |
|           |           |                      |              |            | 0         | -3.53336         | -0.00428              | PASS    |
|           |           |                      |              |            | 10        | -6.46591         | -0.00784              | PASS    |
|           |           |                      |              |            | 20        | -5.66483         | -0.00687              | PASS    |
|           |           |                      |              |            | 30        | -4.69208         | -0.00569              | PASS    |
|           |           |                      |              |            | 40        | -1.43051         | -0.00173              | PASS    |
|           |           |                      |              |            | 50        | -7.12395         | -0.00864              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -5.17845         | -0.00619              | PASS    |
|           |           |                      |              |            | -20       | -5.20706         | -0.00622              | PASS    |
|           |           |                      |              |            | -10       | -4.84943         | -0.00580              | PASS    |
|           |           |                      |              |            | 0         | -5.60761         | -0.00670              | PASS    |
|           |           |                      |              |            | 10        | -6.20842         | -0.00742              | PASS    |
|           |           |                      |              |            | 20        | -4.30584         | -0.00515              | PASS    |
|           |           |                      |              |            | 30        | -4.13418         | -0.00494              | PASS    |
|           |           |                      |              |            | 40        | -5.53608         | -0.00662              | PASS    |
|           |           |                      |              |            | 50        | -5.82218         | -0.00696              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -1.34468         | -0.00159              | PASS    |
|           |           |                      |              |            | -20       | -5.12123         | -0.00604              | PASS    |
|           |           |                      |              |            | -10       | -4.26292         | -0.00503              | PASS    |
|           |           |                      |              |            | 0         | -2.27451         | -0.00268              | PASS    |
|           |           |                      |              |            | 10        | -7.02381         | -0.00828              | PASS    |
|           |           |                      |              |            | 20        | -3.93391         | -0.00464              | PASS    |
|           |           |                      |              |            | 30        | -3.20435         | -0.00378              | PASS    |
|           |           |                      |              |            | 40        | -3.96252         | -0.00467              | PASS    |
|           |           |                      |              |            | 50        | -3.04699         | -0.00359              | PASS    |
|           |           | 3                    | LCH          | VN         | -30       | -5.96523         | -0.00723              | PASS    |
|           |           |                      |              |            | -20       | -5.32150         | -0.00645              | PASS    |
|           |           |                      |              |            | -10       | -3.84808         | -0.00466              | PASS    |
|           |           |                      |              |            | 0         | -6.46591         | -0.00783              | PASS    |
|           |           |                      |              |            | 10        | -6.99520         | -0.00847              | PASS    |
|           |           |                      |              |            | 20        | -6.79493         | -0.00823              | PASS    |
|           |           |                      |              |            | 30        | -7.75337         | -0.00939              | PASS    |
|           |           |                      |              |            | 40        | -6.56605         | -0.00795              | PASS    |
|           |           |                      |              |            | 50        | -2.87533         | -0.00348              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -6.40869         | -0.00766              | PASS    |
|           |           |                      |              |            | -20       | -6.48022         | -0.00775              | PASS    |
|           |           |                      |              |            | -10       | -3.89099         | -0.00465              | PASS    |
|           |           |                      |              |            | 0         | -7.06673         | -0.00845              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10        | -4.87804         | -0.00583              | PASS    |
|           |           |                      |              |            | 20        | -3.60489         | -0.00431              | PASS    |
|           |           |                      |              |            | 30        | -6.82354         | -0.00816              | PASS    |
|           |           |                      |              |            | 40        | -7.22408         | -0.00864              | PASS    |
|           |           |                      |              |            | 50        | -4.11987         | -0.00493              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -4.73499         | -0.00559              | PASS    |
|           |           |                      |              |            | -20       | -5.16415         | -0.00609              | PASS    |
|           |           |                      |              |            | -10       | -3.50475         | -0.00414              | PASS    |
|           |           |                      |              |            | 0         | -3.29018         | -0.00388              | PASS    |
|           |           |                      |              |            | 10        | -3.37601         | -0.00398              | PASS    |
|           |           |                      |              |            | 20        | -6.58035         | -0.00776              | PASS    |
|           |           |                      |              |            | 30        | -6.23703         | -0.00736              | PASS    |
|           |           |                      |              |            | 40        | -5.76496         | -0.00680              | PASS    |
|           |           |                      |              |            | 50        | -2.97546         | -0.00351              | PASS    |
|           |           | 5                    | LCH          | VN         | -30       | -7.46727         | -0.00903              | PASS    |
|           |           |                      |              |            | -20       | -5.17845         | -0.00627              | PASS    |
|           |           |                      |              |            | -10       | -7.30991         | -0.00884              | PASS    |
|           |           |                      |              |            | 0         | -5.55039         | -0.00672              | PASS    |
|           |           |                      |              |            | 10        | -7.56741         | -0.00916              | PASS    |
|           |           |                      |              |            | 20        | -8.95500         | -0.01083              | PASS    |
|           |           |                      |              |            | 30        | -5.80788         | -0.00703              | PASS    |
|           |           |                      |              |            | 40        | -7.52449         | -0.00910              | PASS    |
|           |           |                      |              |            | 50        | -4.32015         | -0.00523              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -4.92096         | -0.00588              | PASS    |
|           |           |                      |              |            | -20       | -7.02381         | -0.00840              | PASS    |
|           |           |                      |              |            | -10       | -6.22272         | -0.00744              | PASS    |
|           |           |                      |              |            | 0         | -8.12531         | -0.00971              | PASS    |
|           |           |                      |              |            | 10        | -6.99520         | -0.00836              | PASS    |
|           |           |                      |              |            | 20        | -8.94070         | -0.01069              | PASS    |
|           |           |                      |              |            | 30        | -6.25134         | -0.00747              | PASS    |
|           |           |                      |              |            | 40        | -6.13689         | -0.00734              | PASS    |
|           |           |                      |              |            | 50        | -2.60353         | -0.00311              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -6.38008         | -0.00754              | PASS    |
|           |           |                      |              |            | -20       | -7.05242         | -0.00833              | PASS    |
|           |           |                      |              |            | -10       | -6.69479         | -0.00791              | PASS    |
|           |           |                      |              |            | 0         | -8.25405         | -0.00975              | PASS    |
|           |           |                      |              |            | 10        | -7.30991         | -0.00864              | PASS    |
|           |           |                      |              |            | 20        | -7.86781         | -0.00929              | PASS    |
|           |           |                      |              |            | 30        | -8.16822         | -0.00965              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40        | -10.61440        | -0.01254              | PASS    |
|           |           |                      |              |            | 50        | -8.66890         | -0.01024              | PASS    |
|           |           | 10                   | LCH          | VN         | -30       | -7.30991         | -0.00882              | PASS    |
|           |           |                      |              |            | -20       | -6.75201         | -0.00814              | PASS    |
|           |           |                      |              |            | -10       | -7.46727         | -0.00901              | PASS    |
|           |           |                      |              |            | 0         | -7.39574         | -0.00892              | PASS    |
|           |           |                      |              |            | 10        | -7.32422         | -0.00884              | PASS    |
|           |           |                      |              |            | 20        | -8.48293         | -0.01023              | PASS    |
|           |           |                      |              |            | 30        | -6.69479         | -0.00808              | PASS    |
|           |           |                      |              |            | 40        | -7.78198         | -0.00939              | PASS    |
|           |           |                      |              |            | 50        | -7.43866         | -0.00897              | PASS    |
|           |           |                      | MCH          | VN         | -30       | -7.23839         | -0.00865              | PASS    |
|           |           |                      |              |            | -20       | -7.45296         | -0.00891              | PASS    |
|           |           |                      |              |            | -10       | -9.08375         | -0.01086              | PASS    |
|           |           |                      |              |            | 0         | -6.90937         | -0.00826              | PASS    |
|           |           |                      |              |            | 10        | -5.22137         | -0.00624              | PASS    |
|           |           |                      |              |            | 20        | -8.96931         | -0.01072              | PASS    |
|           |           |                      |              |            | 30        | -5.72205         | -0.00684              | PASS    |
|           |           |                      |              |            | 40        | -4.29153         | -0.00513              | PASS    |
|           |           |                      |              |            | 50        | -5.87940         | -0.00703              | PASS    |
|           |           |                      | HCH          | VN         | -30       | -7.58171         | -0.00898              | PASS    |
|           |           |                      |              |            | -20       | -7.15256         | -0.00847              | PASS    |
|           |           |                      |              |            | -10       | -6.03676         | -0.00715              | PASS    |
|           |           |                      |              |            | 0         | -6.92368         | -0.00820              | PASS    |
|           |           |                      |              |            | 10        | -4.57764         | -0.00542              | PASS    |
|           |           |                      |              |            | 20        | -5.03540         | -0.00597              | PASS    |
|           |           |                      |              |            | 30        | -5.85079         | -0.00693              | PASS    |
|           |           |                      |              |            | 40        | -8.99792         | -0.01066              | PASS    |
|           |           |                      |              |            | 50        | -9.55582         | -0.01132              | PASS    |

END