

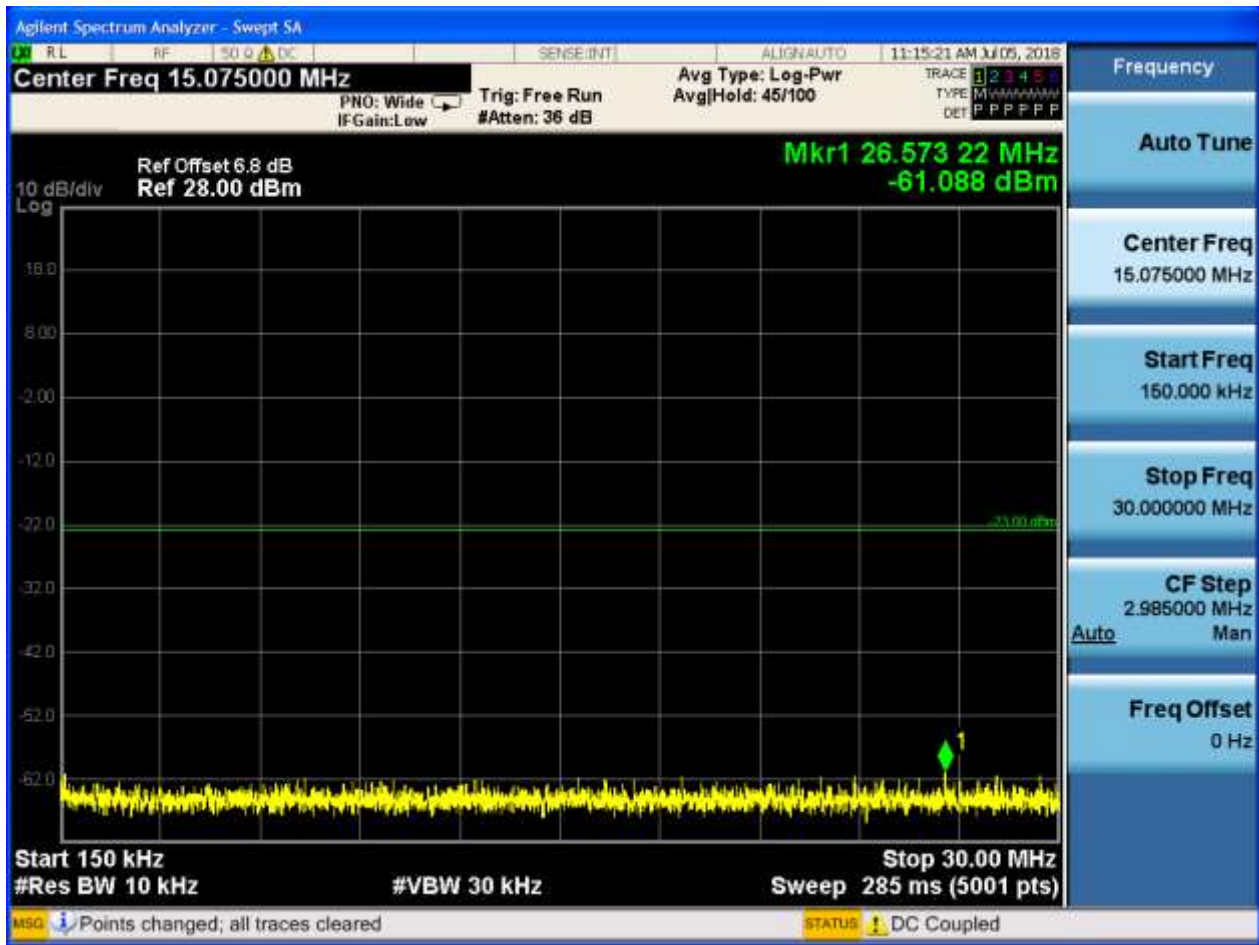




## 6.1.1.1.1.2 Test Channel = MCH

## 6.1.1.1.1.2.1 Test RB = RB1#0



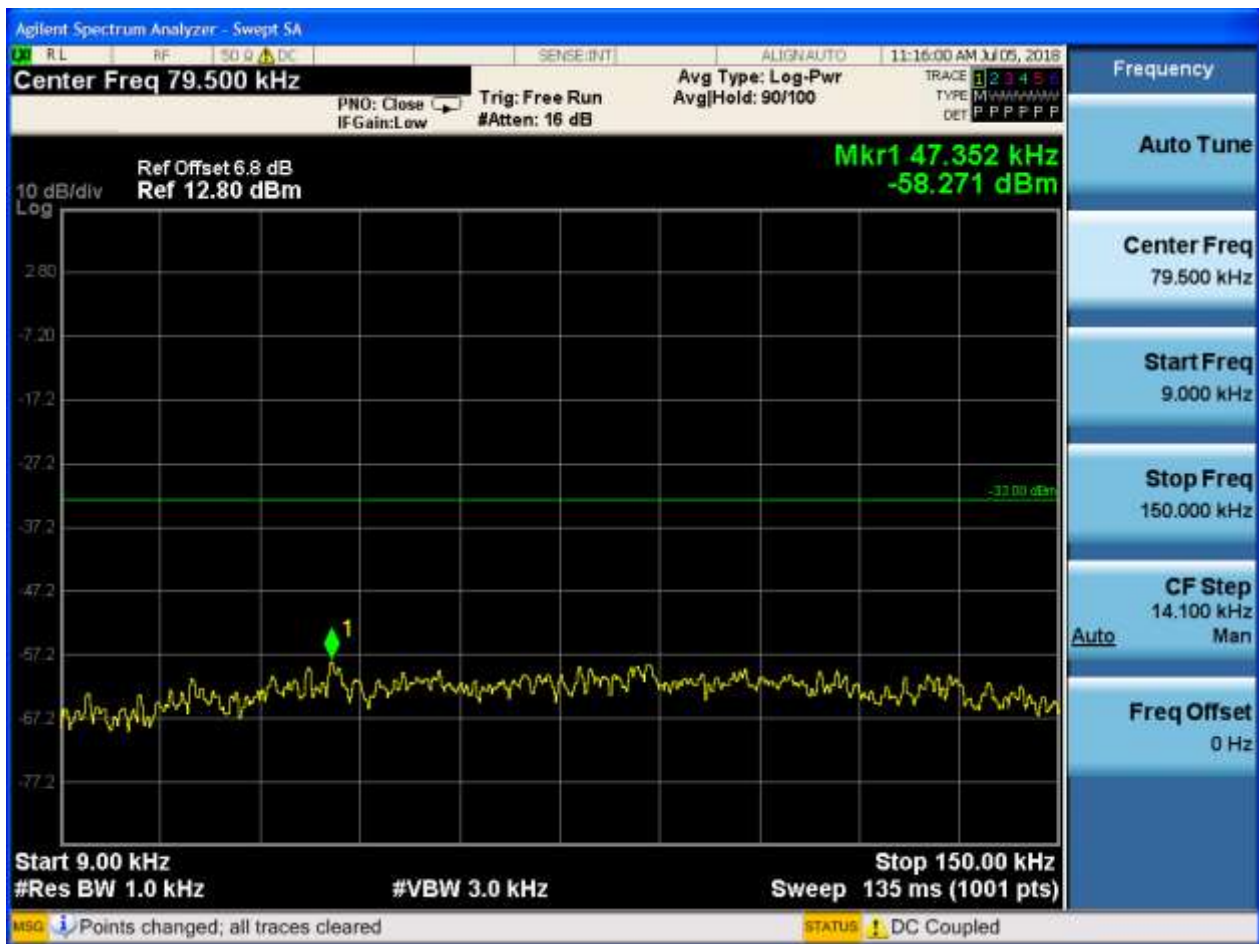






## 6.1.1.1.1.3 Test Channel = HCH

## 6.1.1.1.1.3.1 Test RB = RB1#0





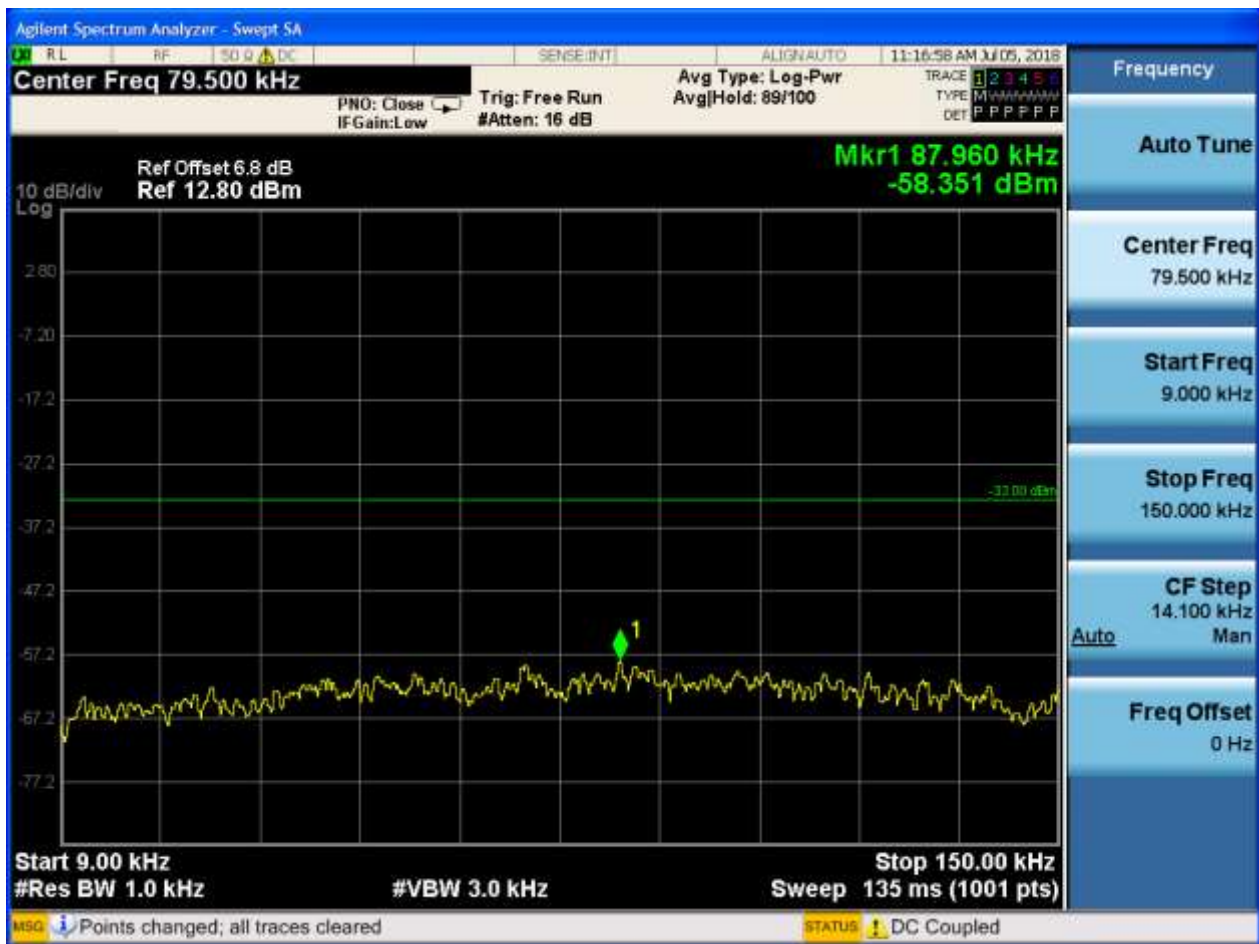




## 6.1.1.1.2 Test Bandwidth = 3

## 6.1.1.1.2.1 Test Channel = LCH

## 6.1.1.1.2.1.1 Test RB = RB1#0



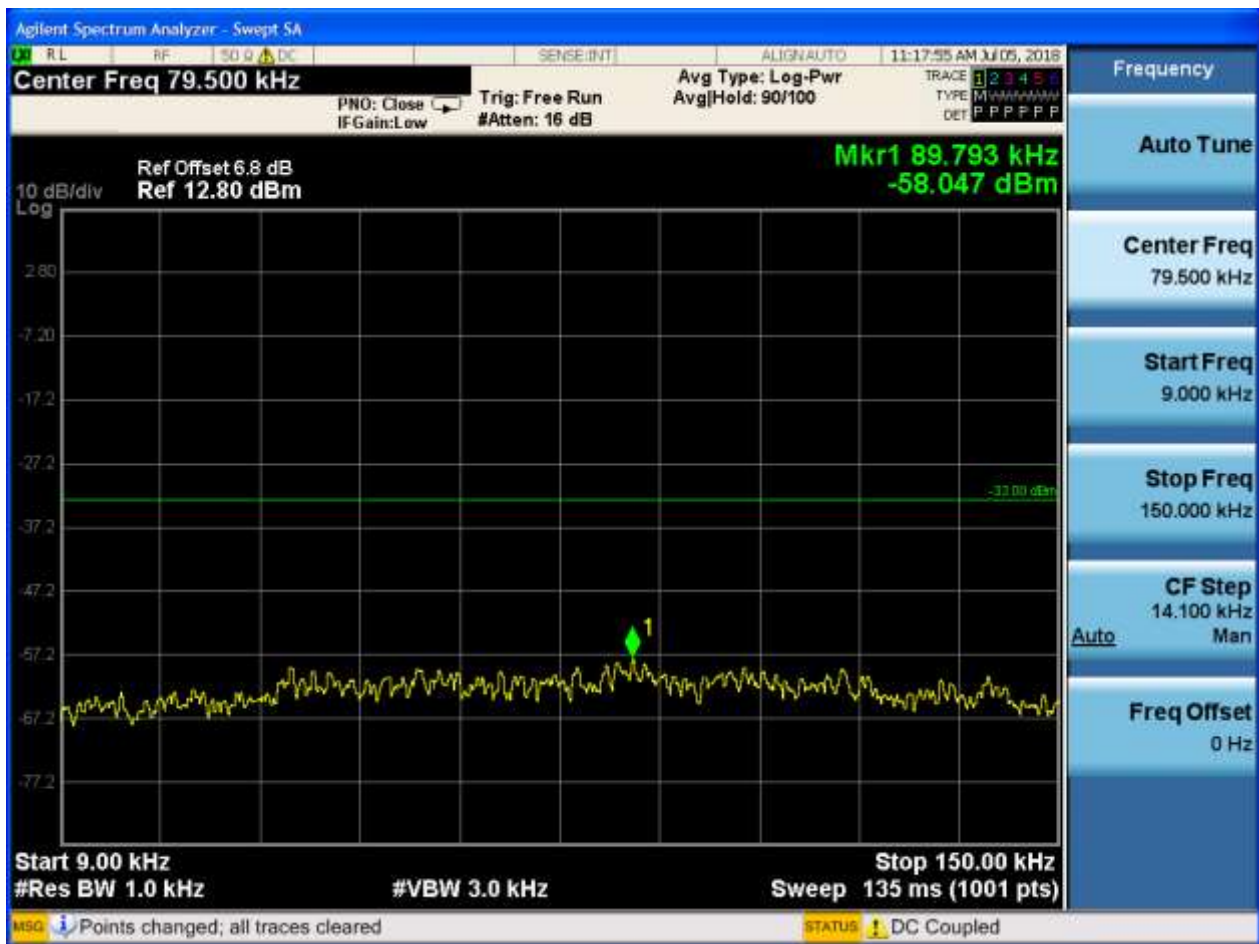


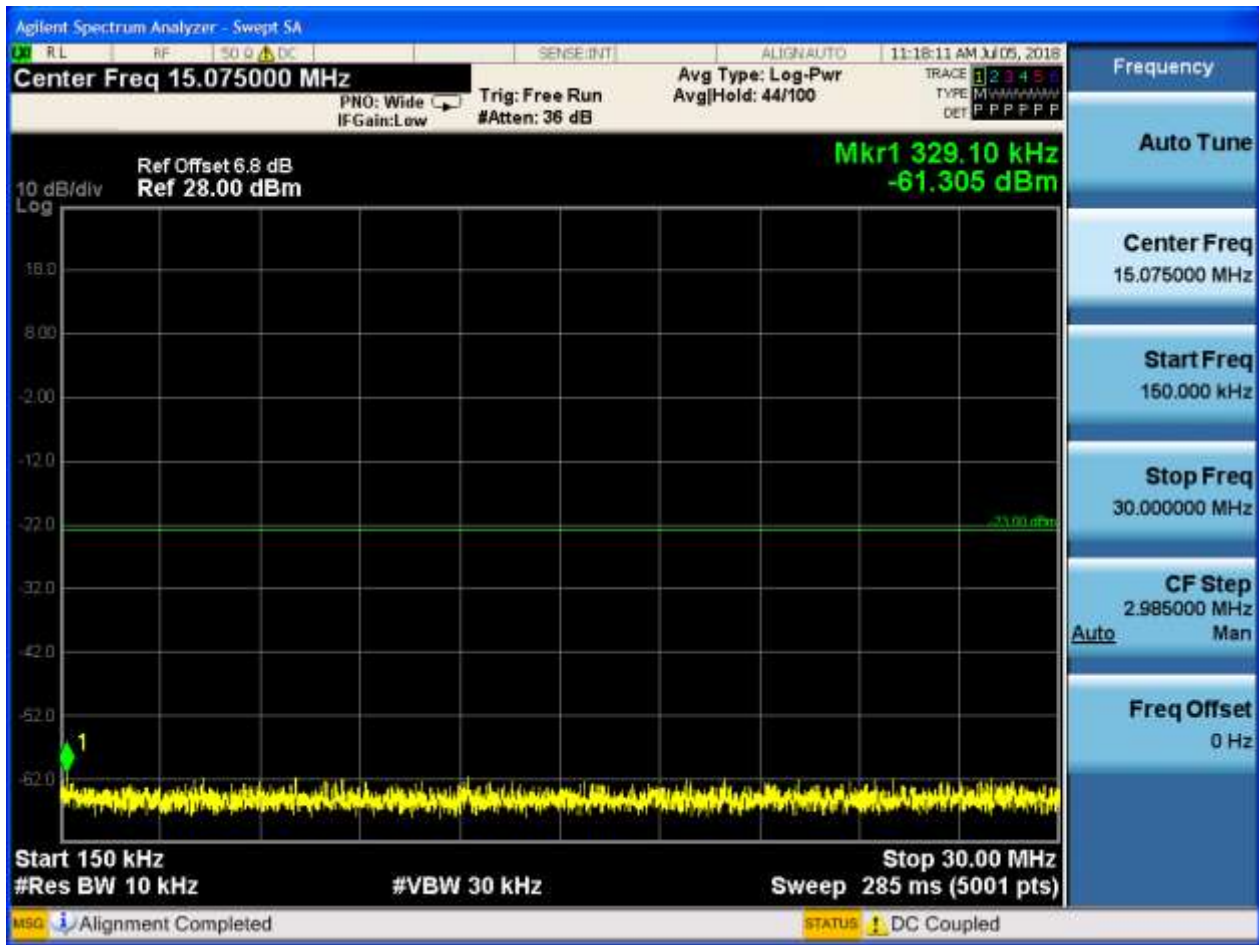




## 6.1.1.1.2.2 Test Channel = MCH

## 6.1.1.1.2.2.1 Test RB = RB1#0





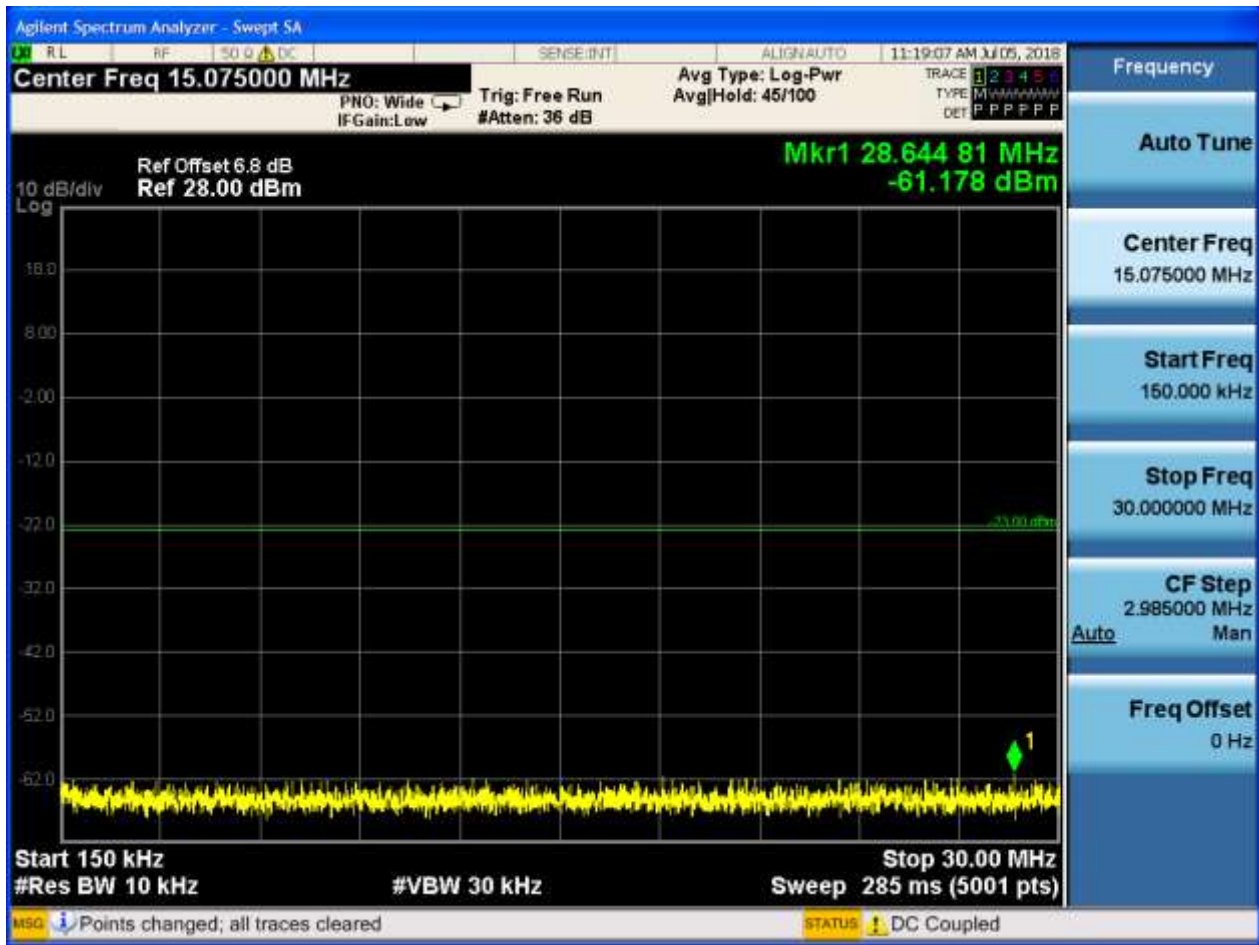




## 6.1.1.1.2.3 Test Channel = HCH

## 6.1.1.1.2.3.1 Test RB = RB1#0







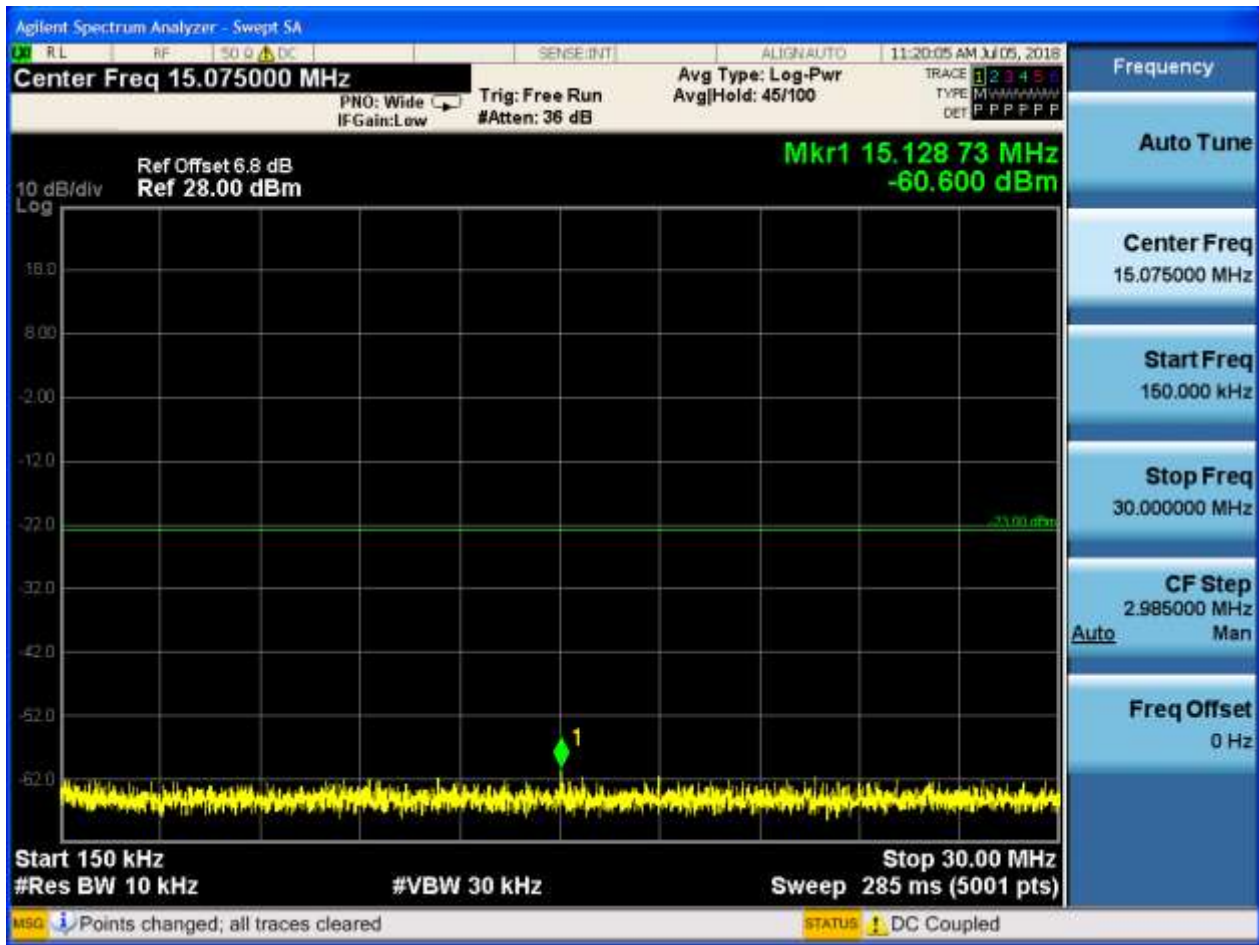


## 6.1.1.1.3 Test Bandwidth = 5

## 6.1.1.1.3.1 Test Channel = LCH

## 6.1.1.1.3.1.1 Test RB = RB1#0



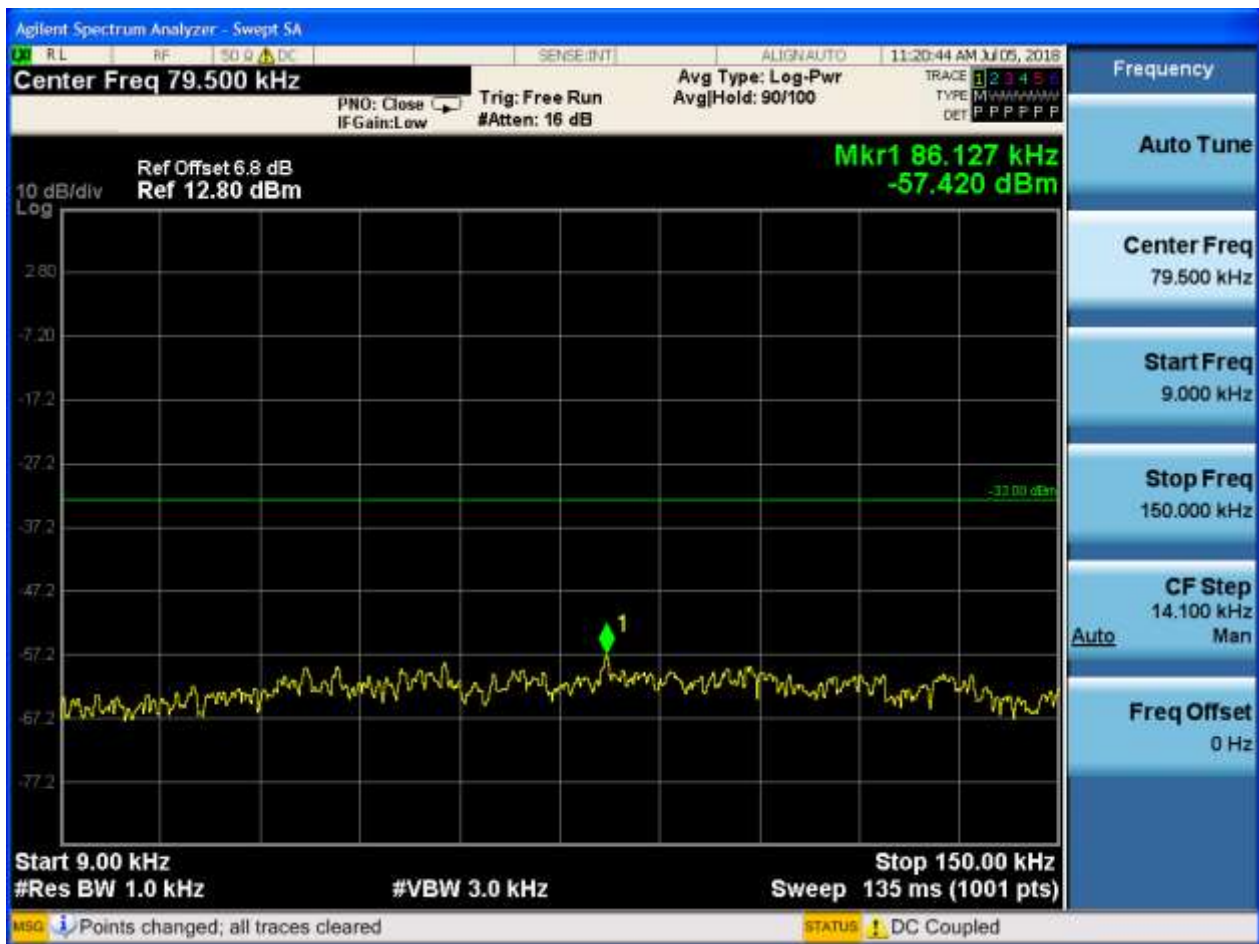






## 6.1.1.1.3.2 Test Channel = MCH

## 6.1.1.1.3.2.1 Test RB = RB1#0









## 6.1.1.1.3.3 Test Channel = HCH

## 6.1.1.1.3.3.1 Test RB = RB1#0









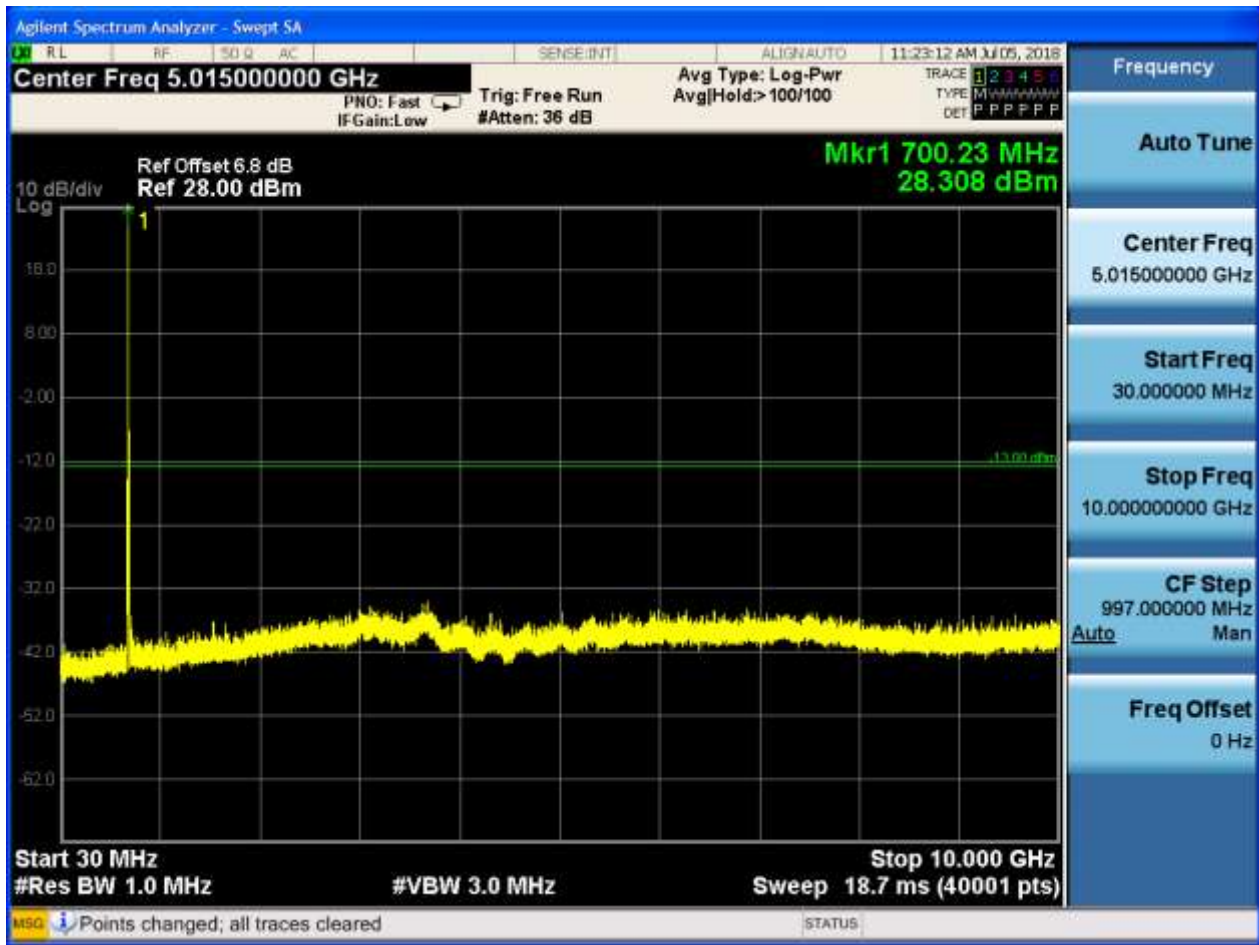
## 6.1.1.1.4 Test Bandwidth = 10

## 6.1.1.1.4.1 Test Channel = LCH

## 6.1.1.1.4.1.1 Test RB = RB1#0



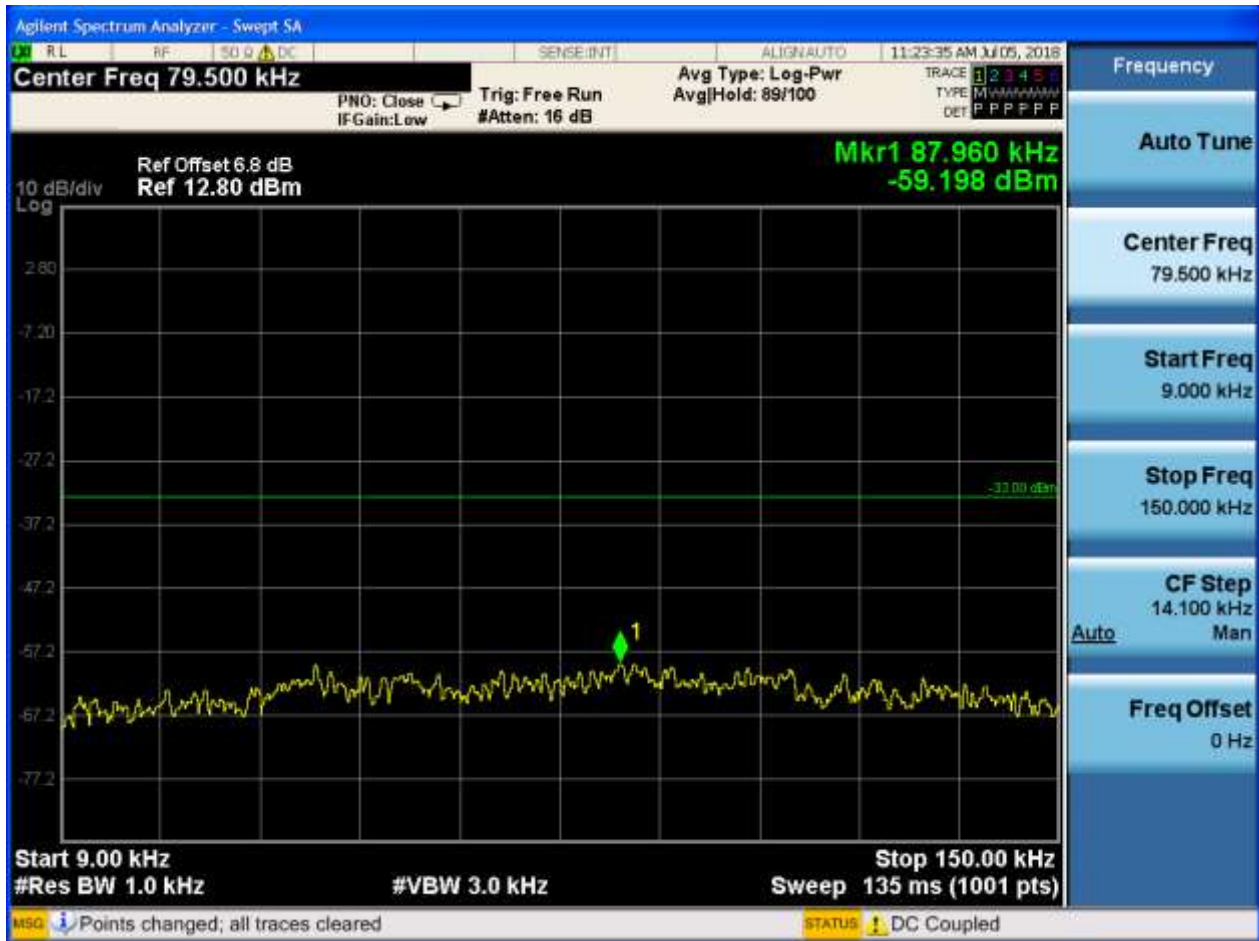


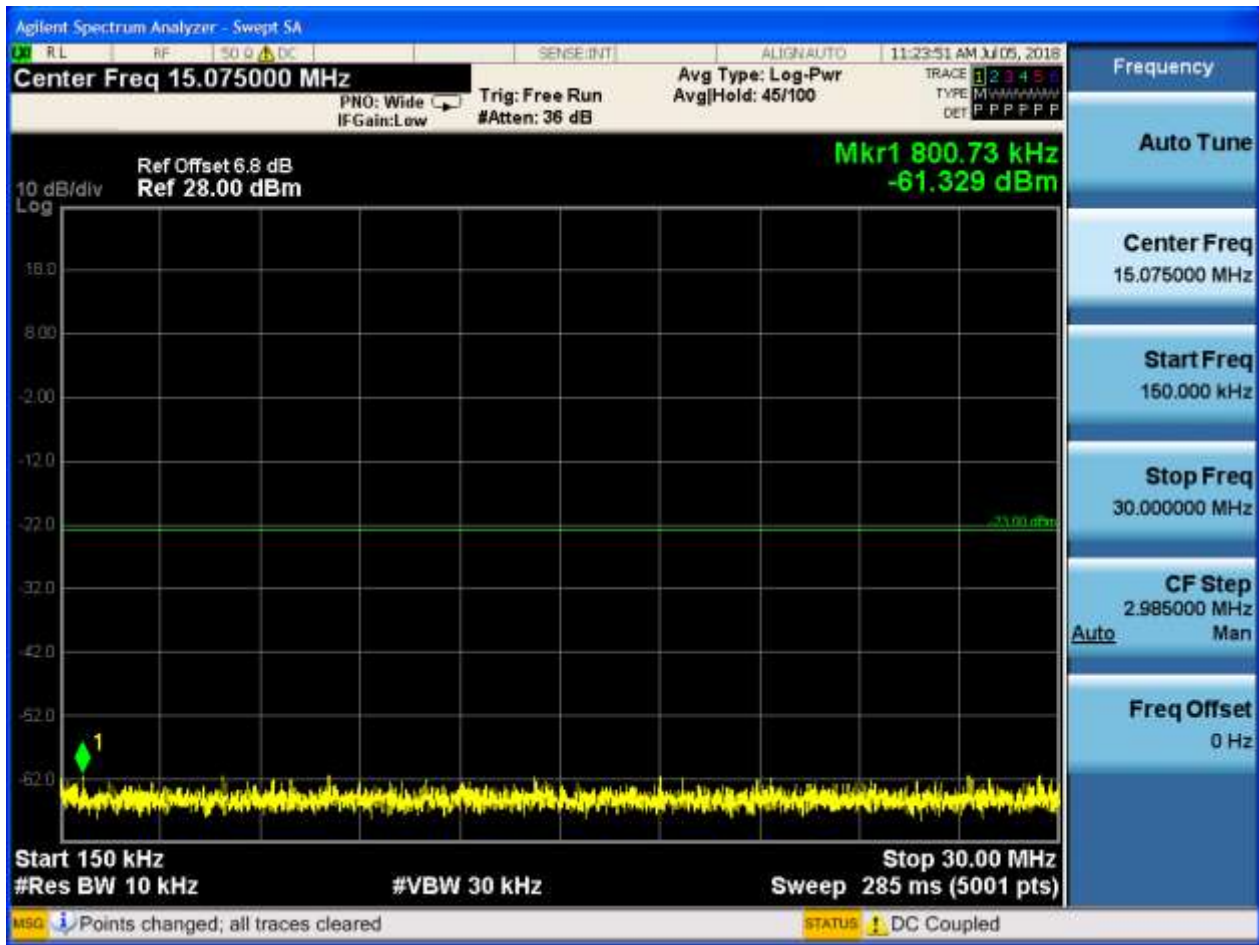




## 6.1.1.1.4.2 Test Channel = MCH

## 6.1.1.1.4.2.1 Test RB = RB1#0





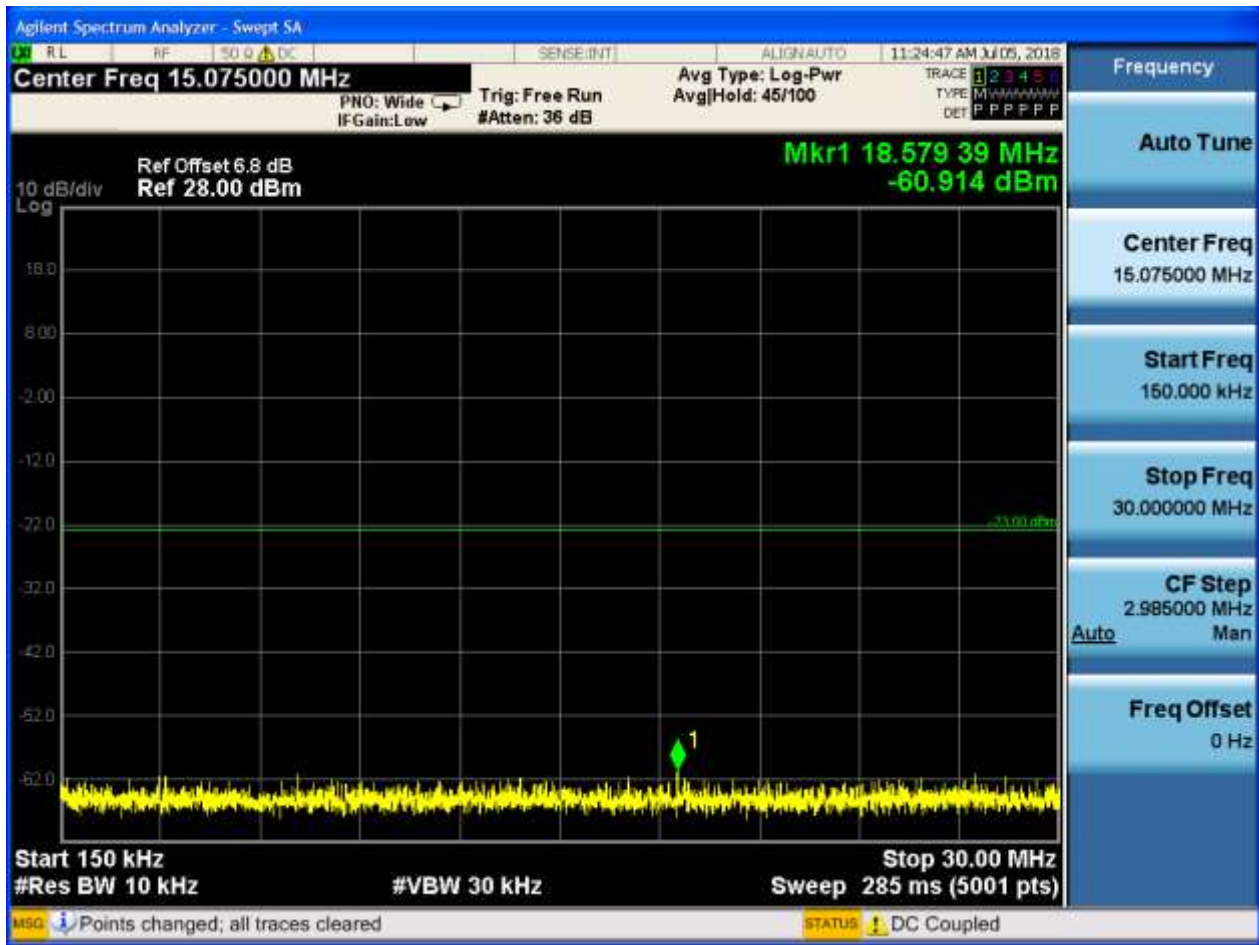




## 6.1.1.1.4.3 Test Channel = HCH

## 6.1.1.1.4.3.1 Test RB = RB1#0









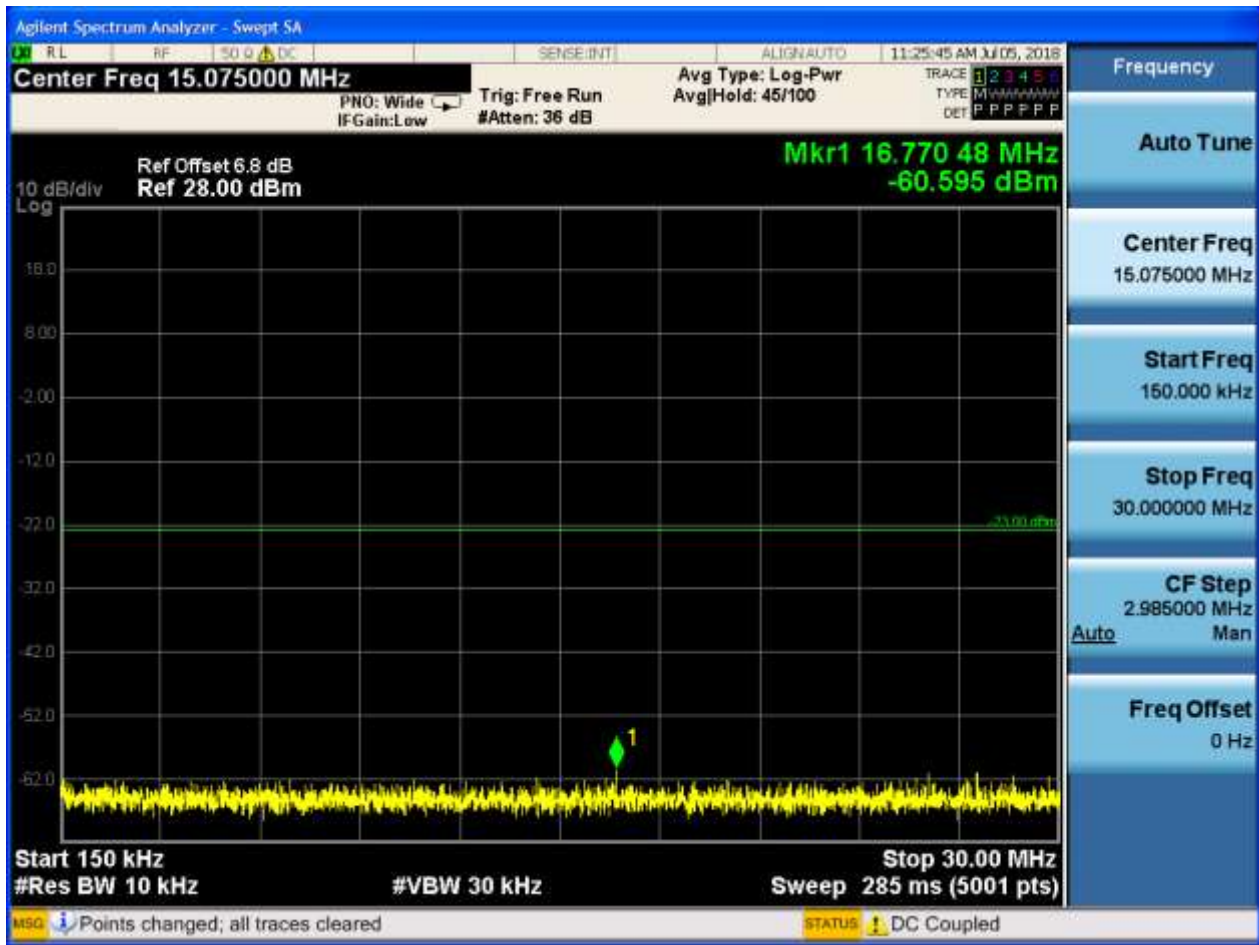
## 6.1.1.2 Test Mode = LTE/TM2

## 6.1.1.2.1 Test Bandwidth = 1.4

## 6.1.1.2.1.1 Test Channel = LCH

## 6.1.1.2.1.1.1 Test RB = RB1#0





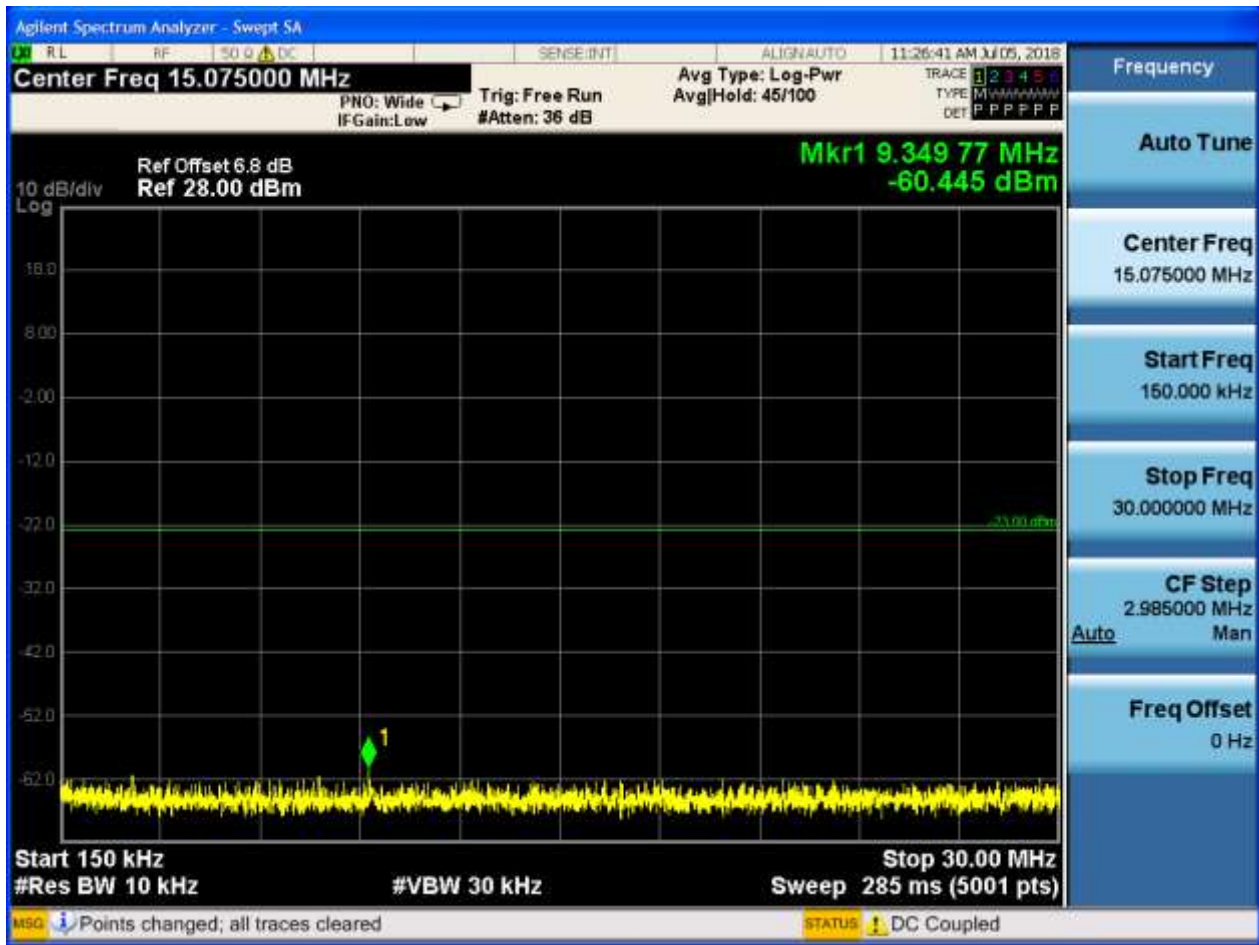


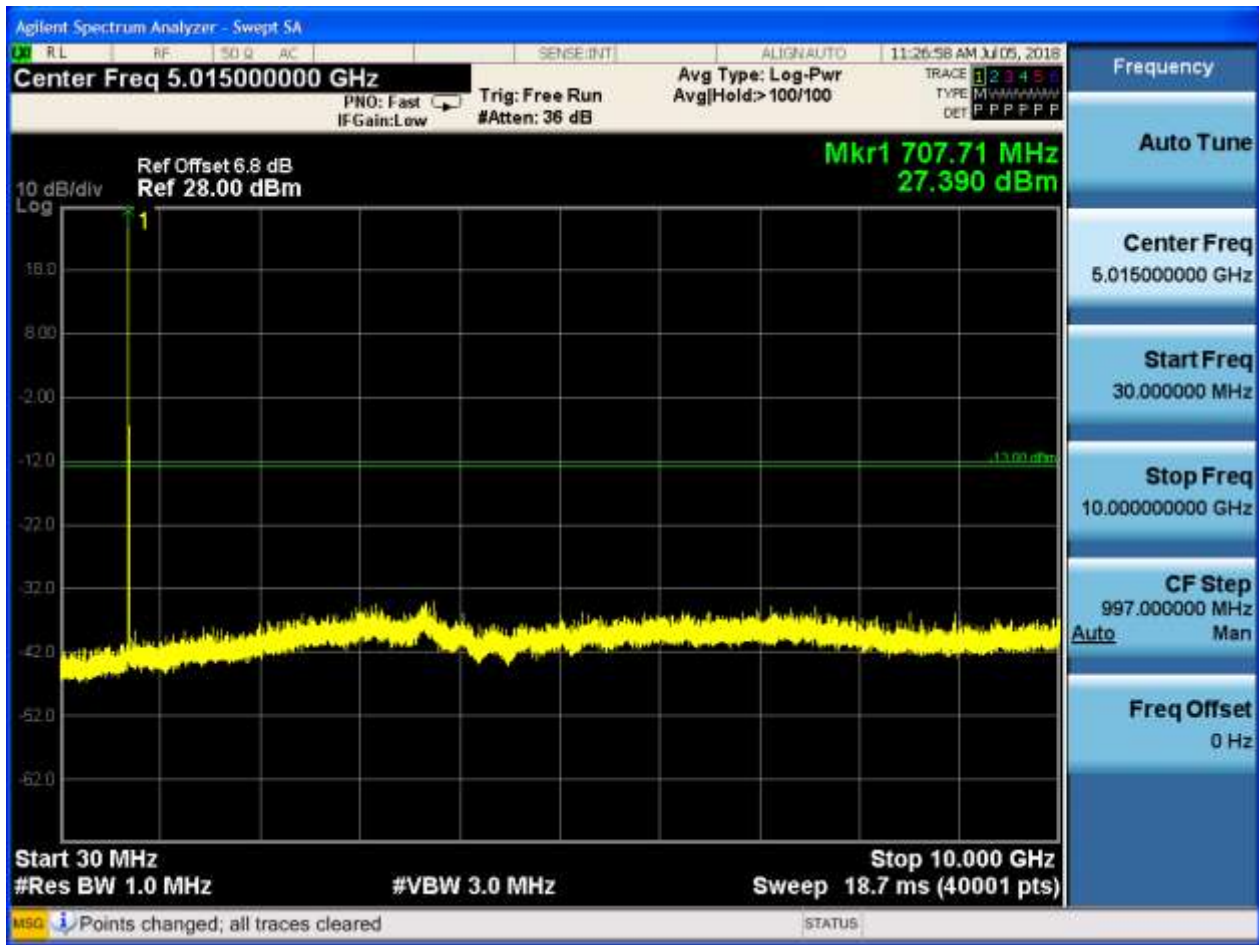


## 6.1.1.2.1.2 Test Channel = MCH

## 6.1.1.2.1.2.1 Test RB = RB1#0









## 6.1.1.2.1.3 Test Channel = HCH

## 6.1.1.2.1.3.1 Test RB = RB1#0







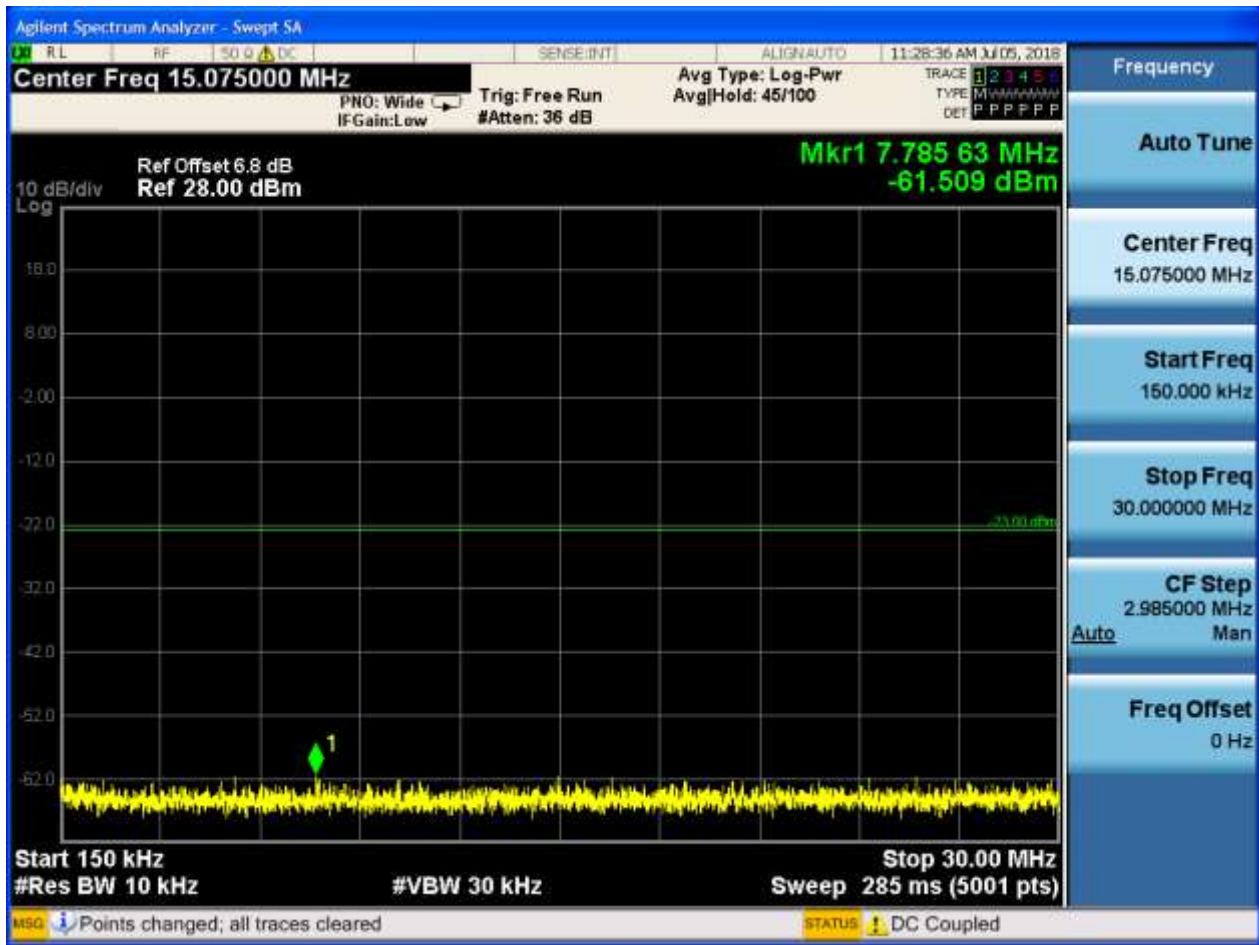


## 6.1.1.2.2 Test Bandwidth = 3

## 6.1.1.2.2.1 Test Channel = LCH

## 6.1.1.2.2.1.1 Test RB = RB1#0





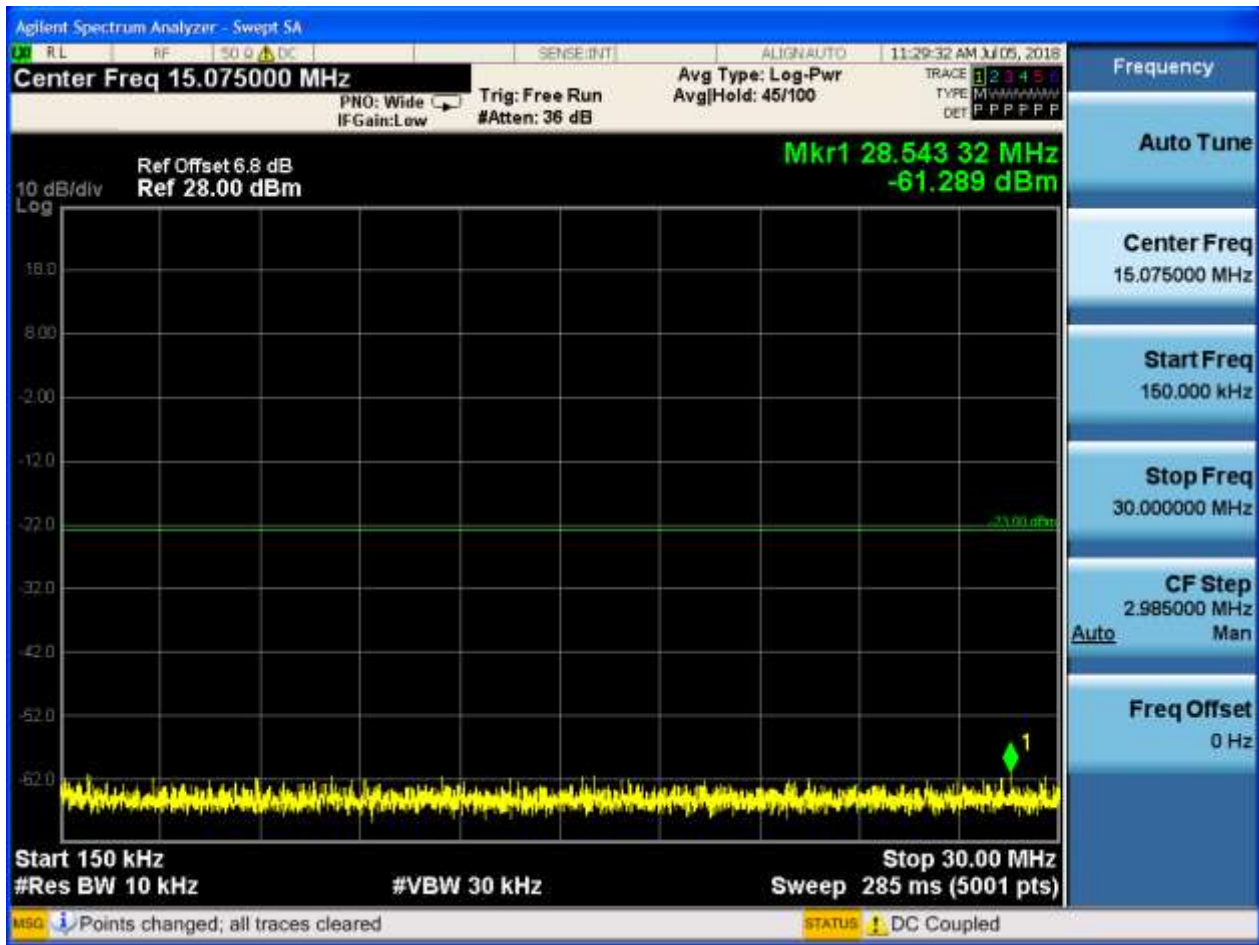




## 6.1.1.2.2.2 Test Channel = MCH

## 6.1.1.2.2.2.1 Test RB = RB1#0









## 6.1.1.2.2.3 Test Channel = HCH

## 6.1.1.2.2.3.1 Test RB = RB1#0







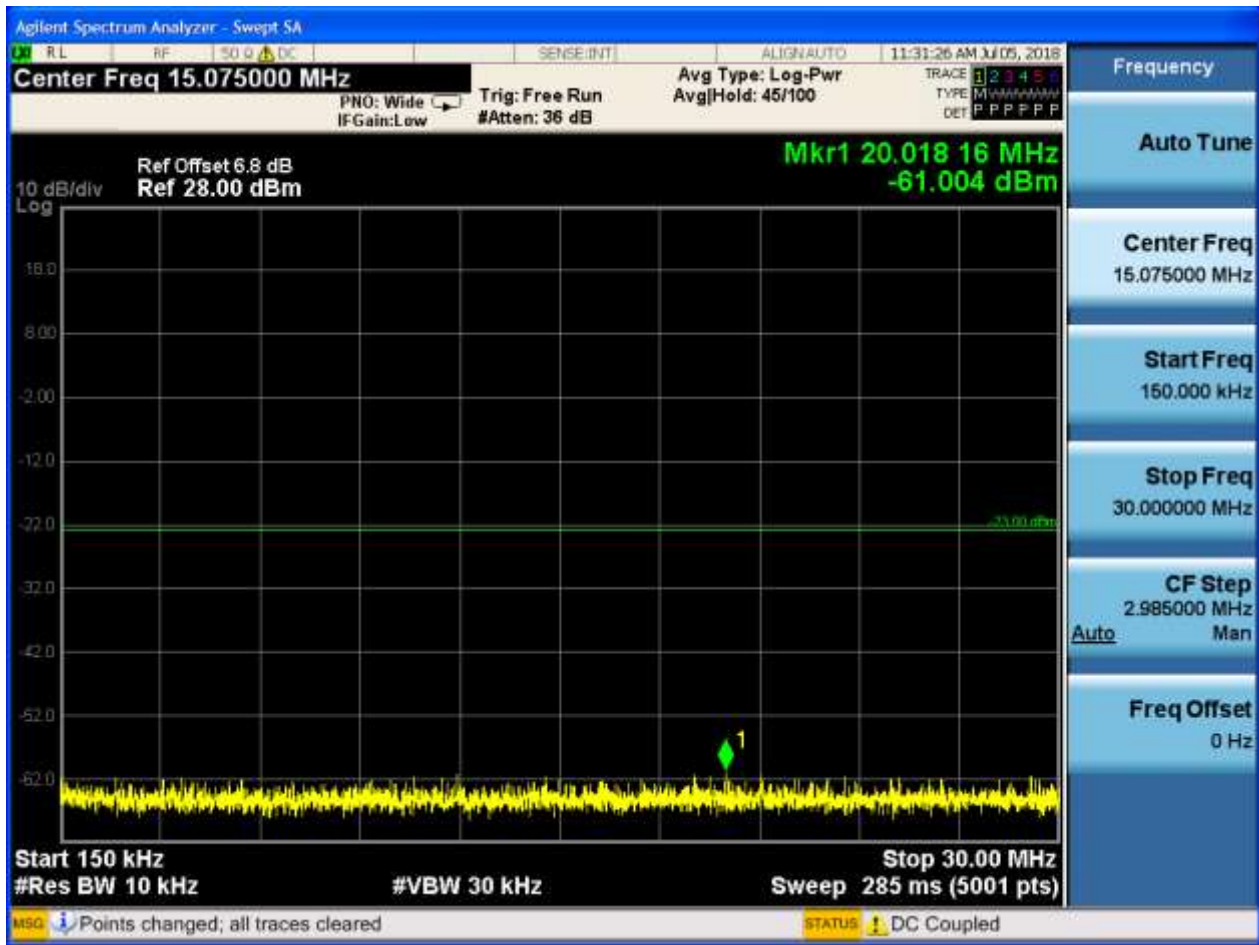


## 6.1.1.2.3 Test Bandwidth = 5

## 6.1.1.2.3.1 Test Channel = LCH

## 6.1.1.2.3.1.1 Test RB = RB1#0









## 6.1.1.2.3.2 Test Channel = MCH

## 6.1.1.2.3.2.1 Test RB = RB1#0









## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0







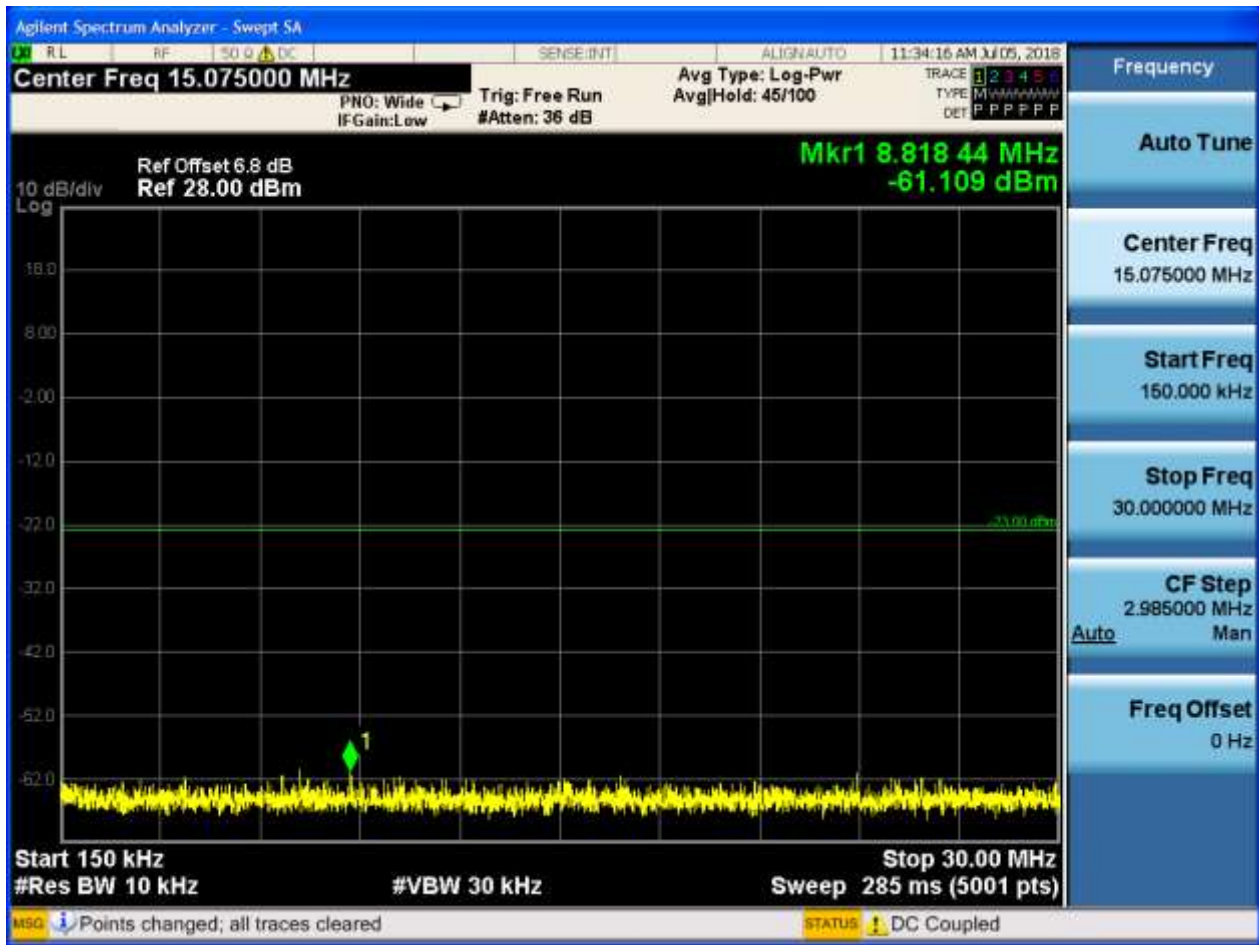


## 6.1.1.2.4 Test Bandwidth = 10

## 6.1.1.2.4.1 Test Channel = LCH

## 6.1.1.2.4.1.1 Test RB = RB1#0





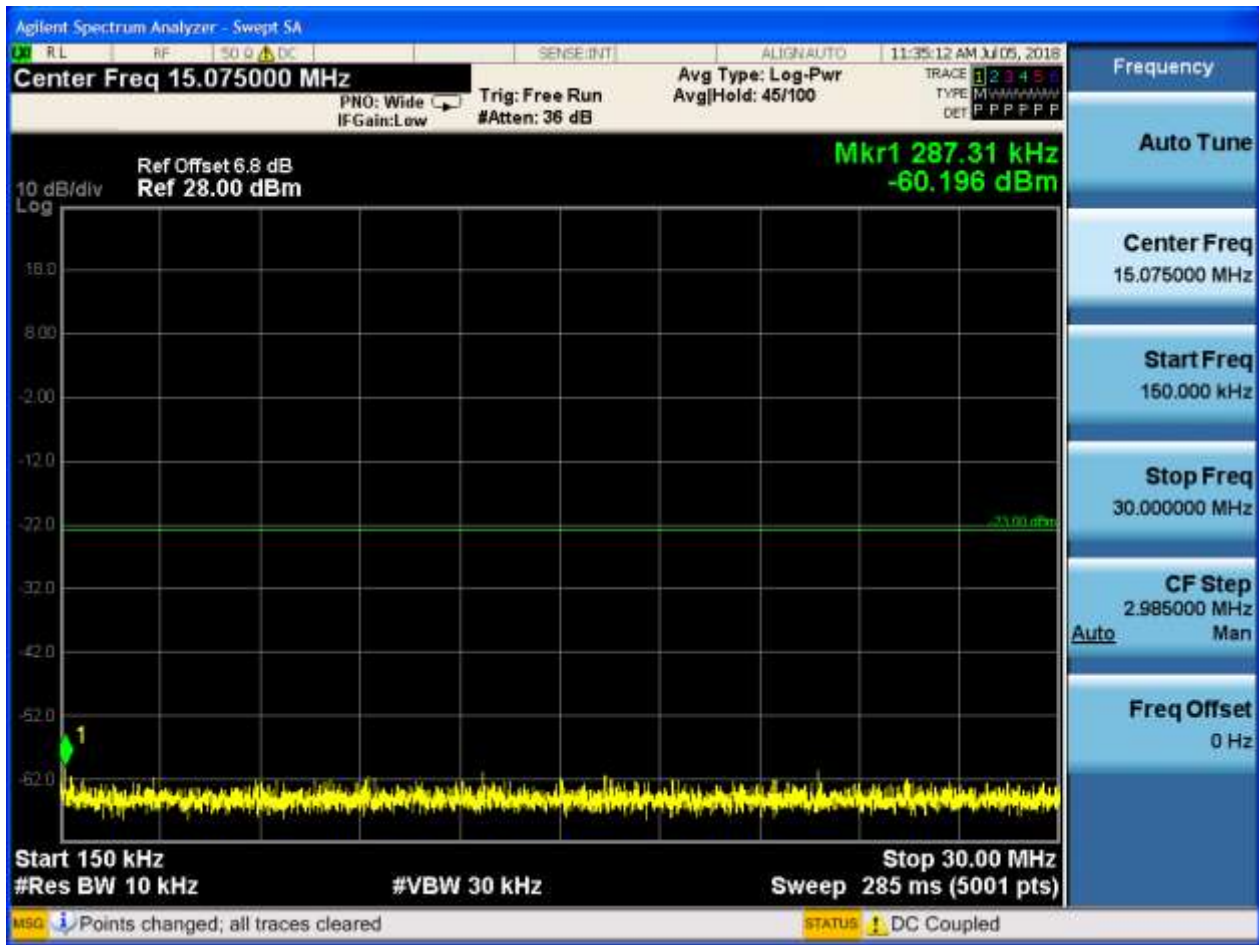




## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0





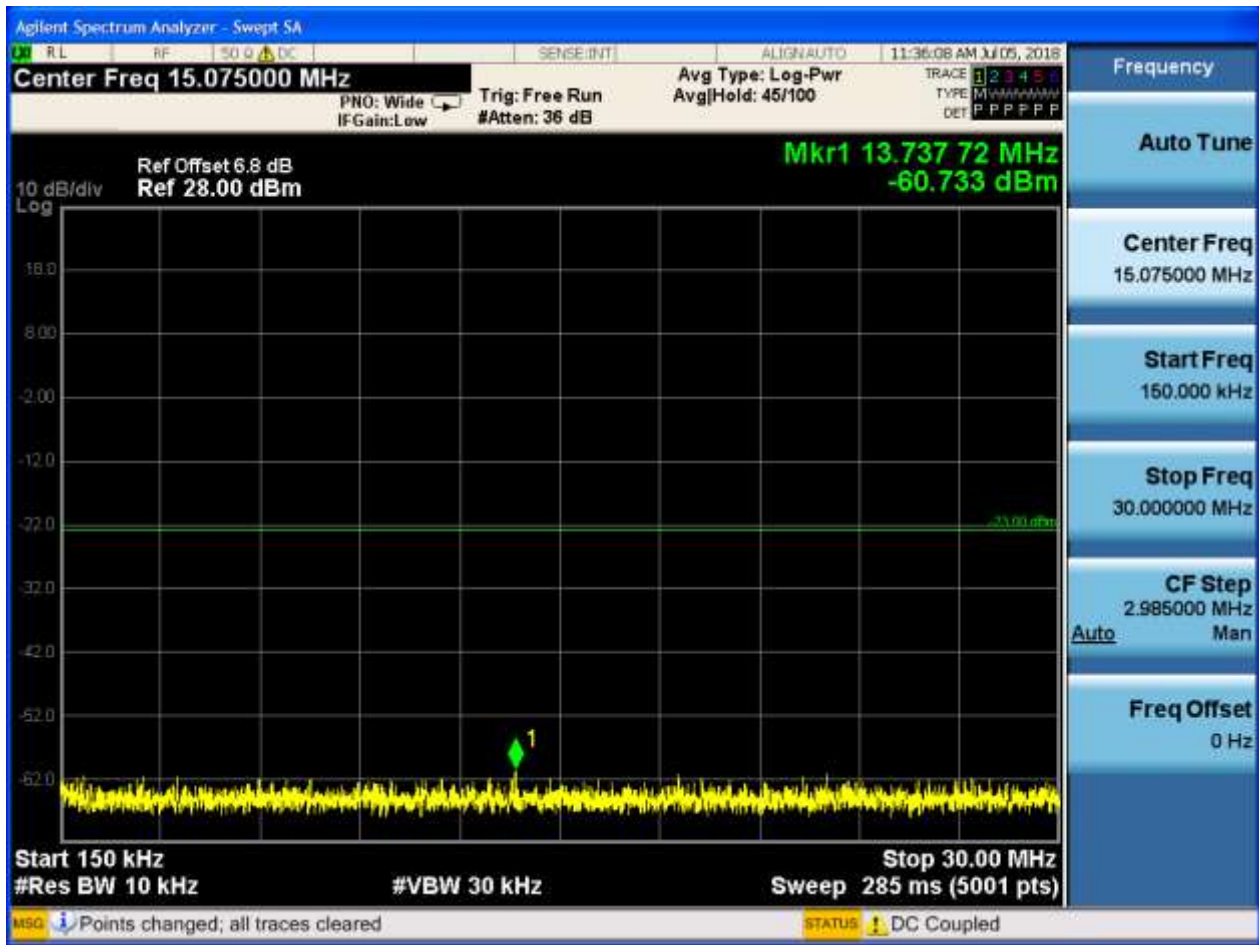




## 6.1.1.2.4.3 Test Channel = HCH

## 6.1.1.2.4.3.1 Test RB = RB1#0









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

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

9kHz~150kHz, 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

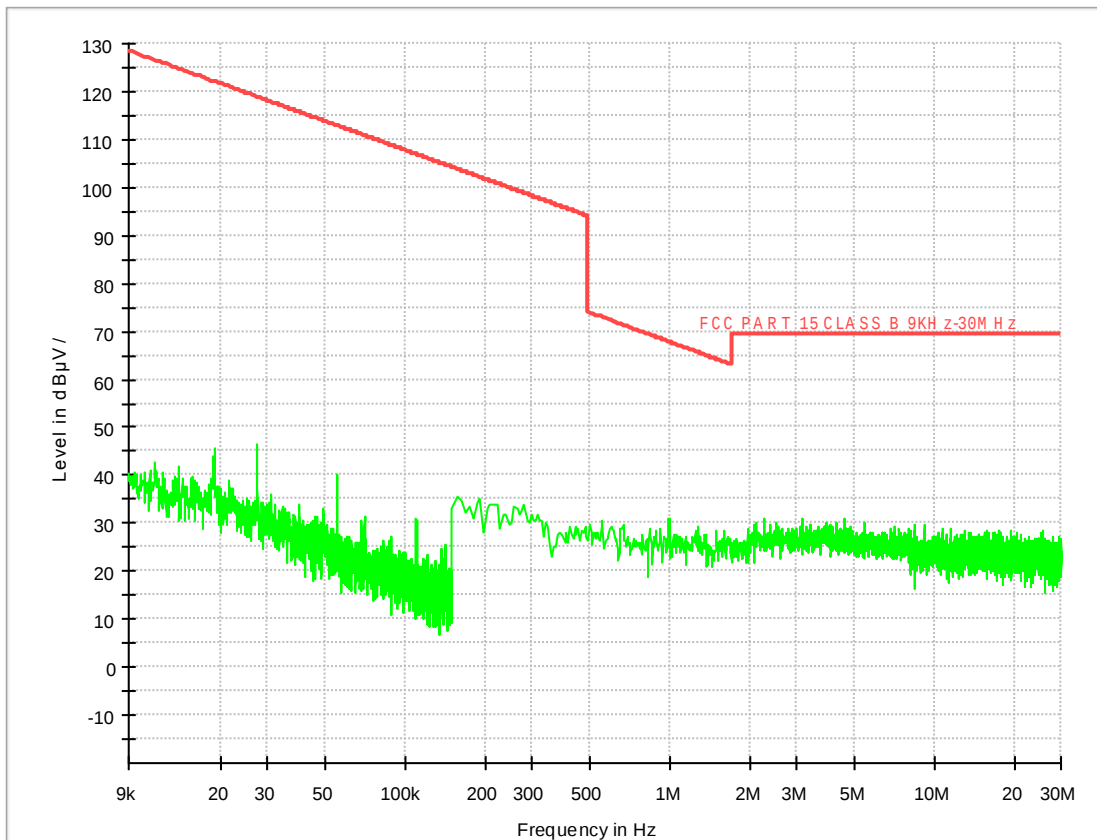
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

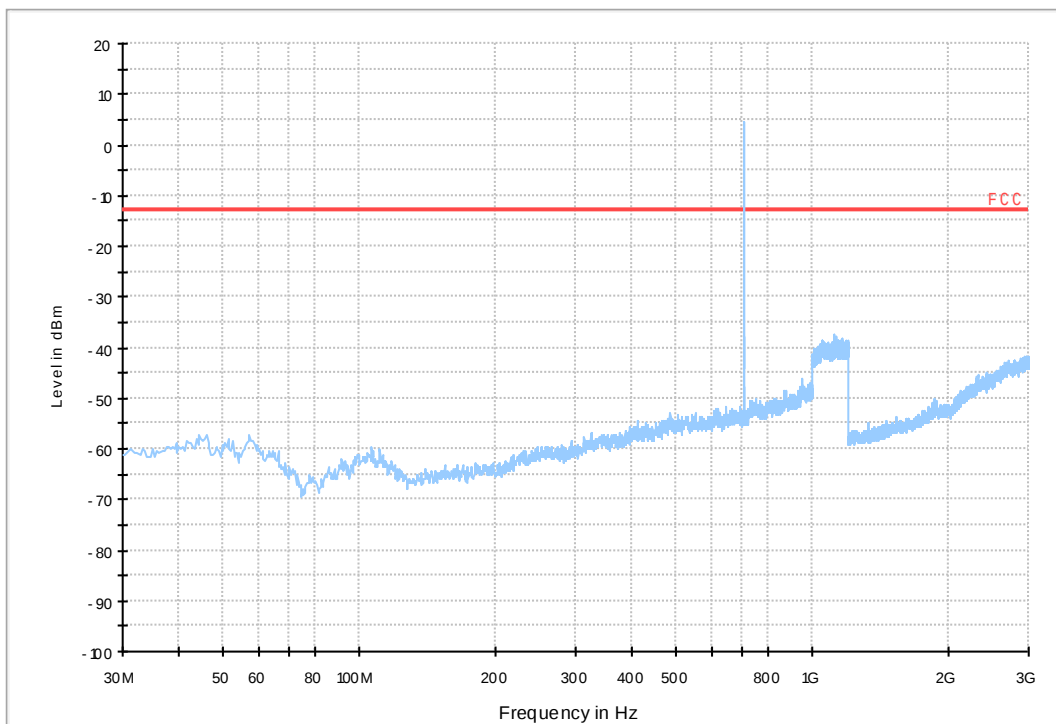
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND12-Ant1

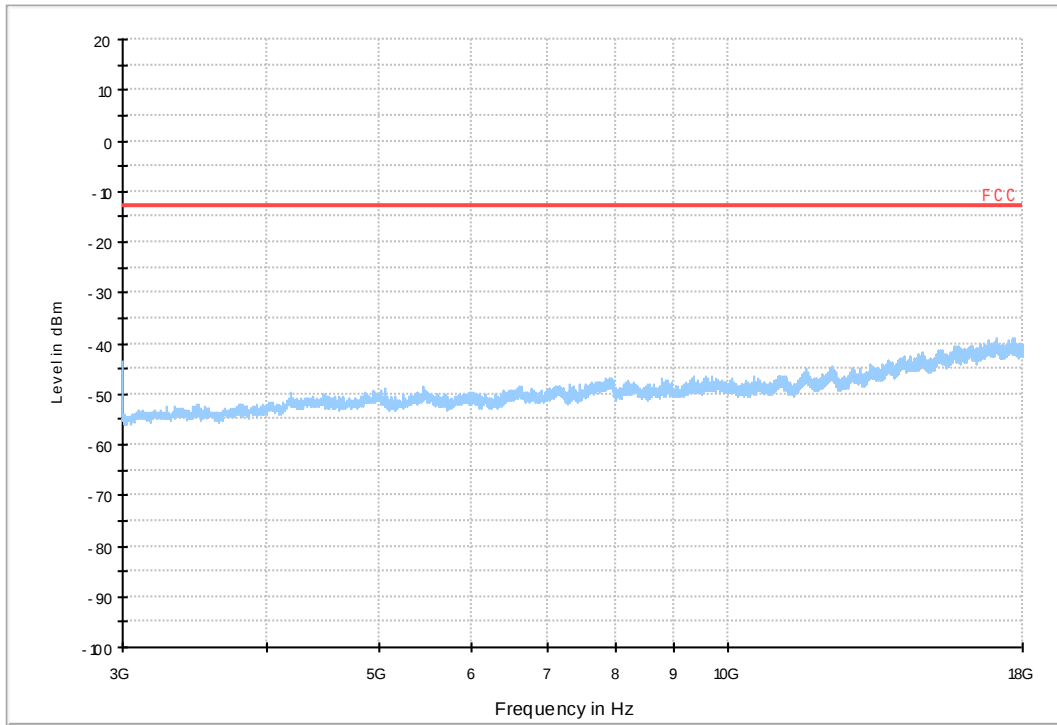
##### 7.1.1.1 Test Bandwidth = 1.4



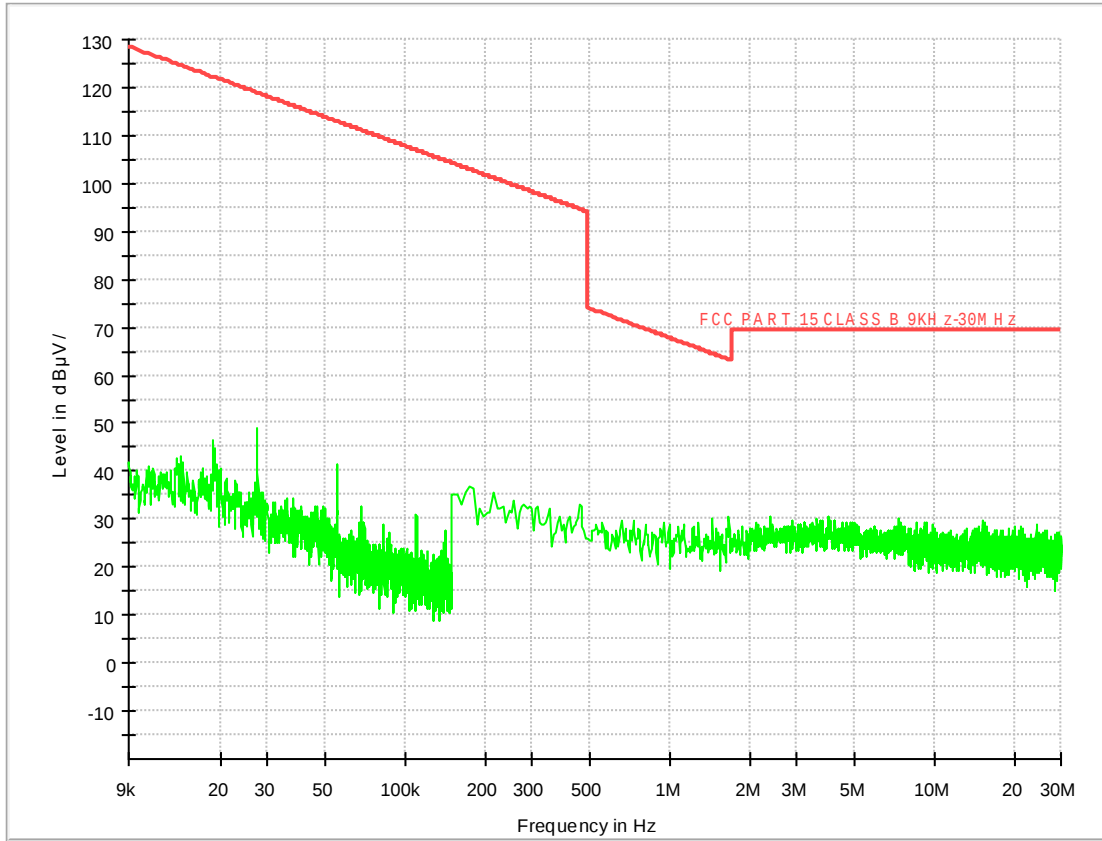
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



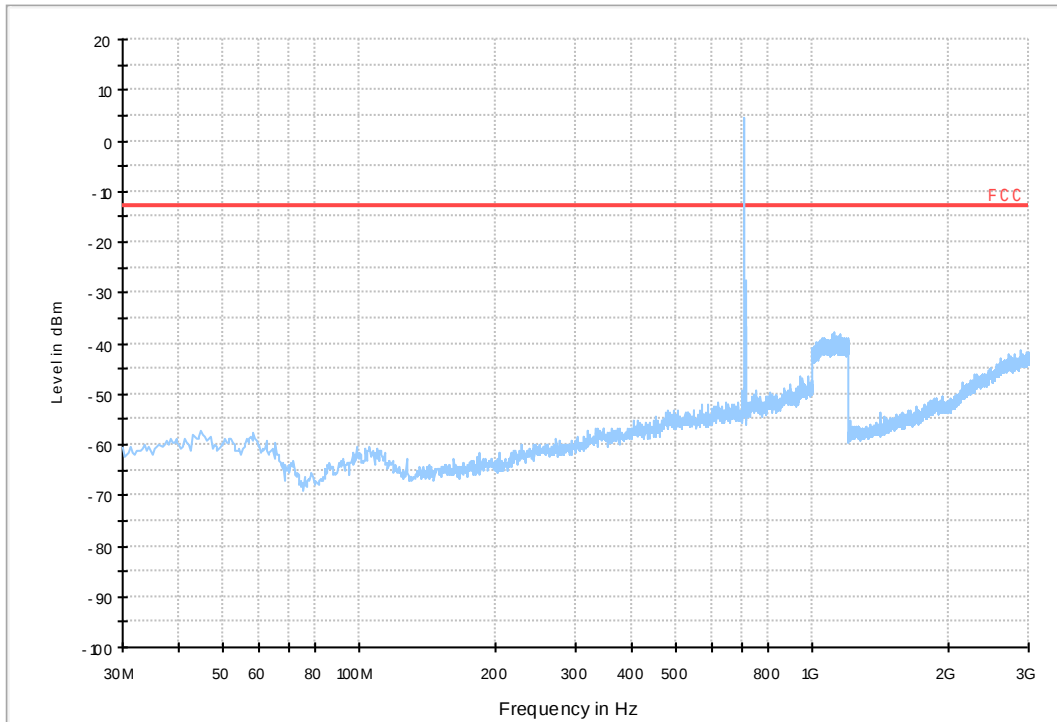
## LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



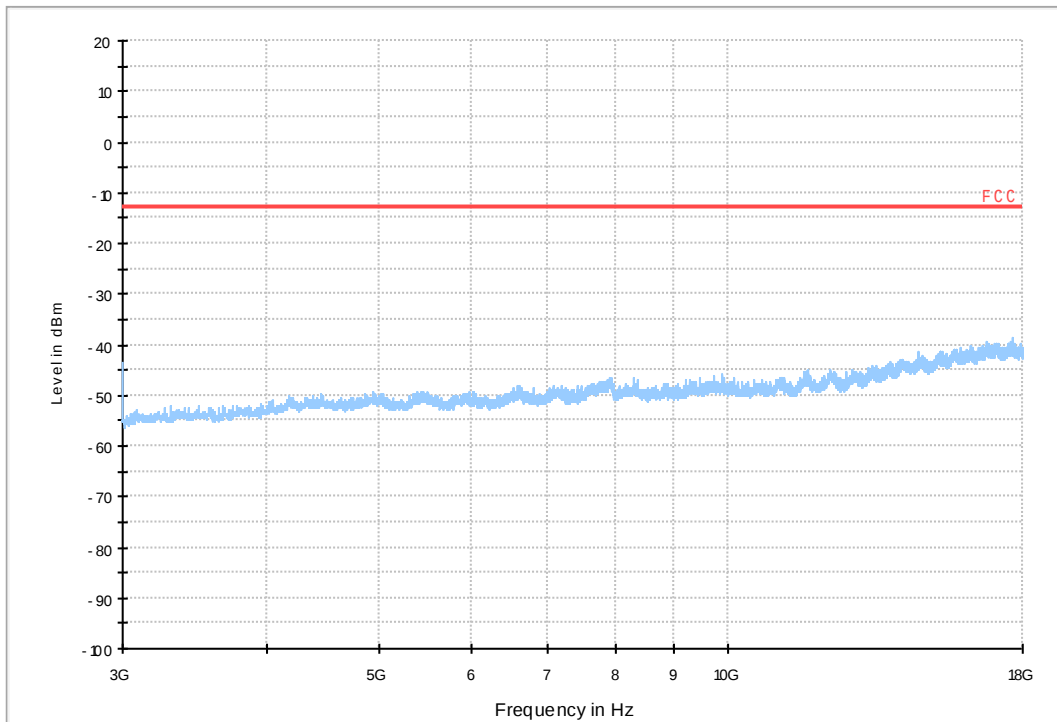
### 7.1.1.2 Test Bandwidth = 5



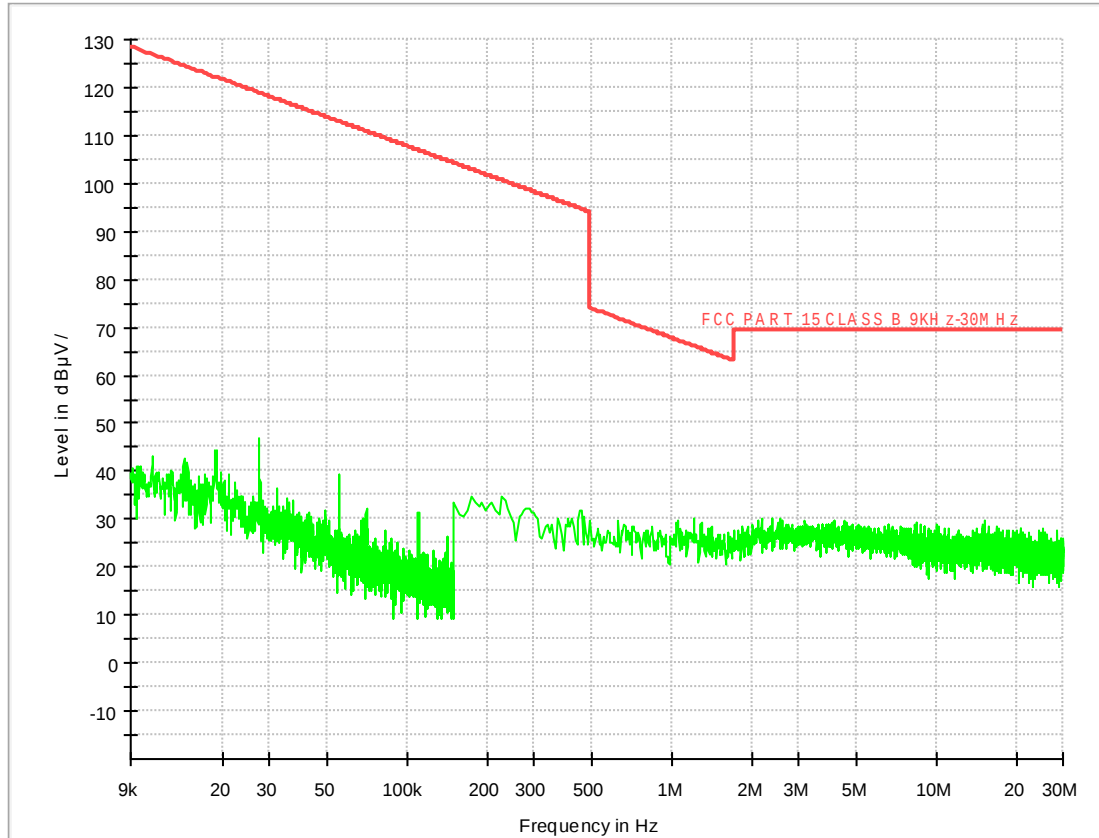
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



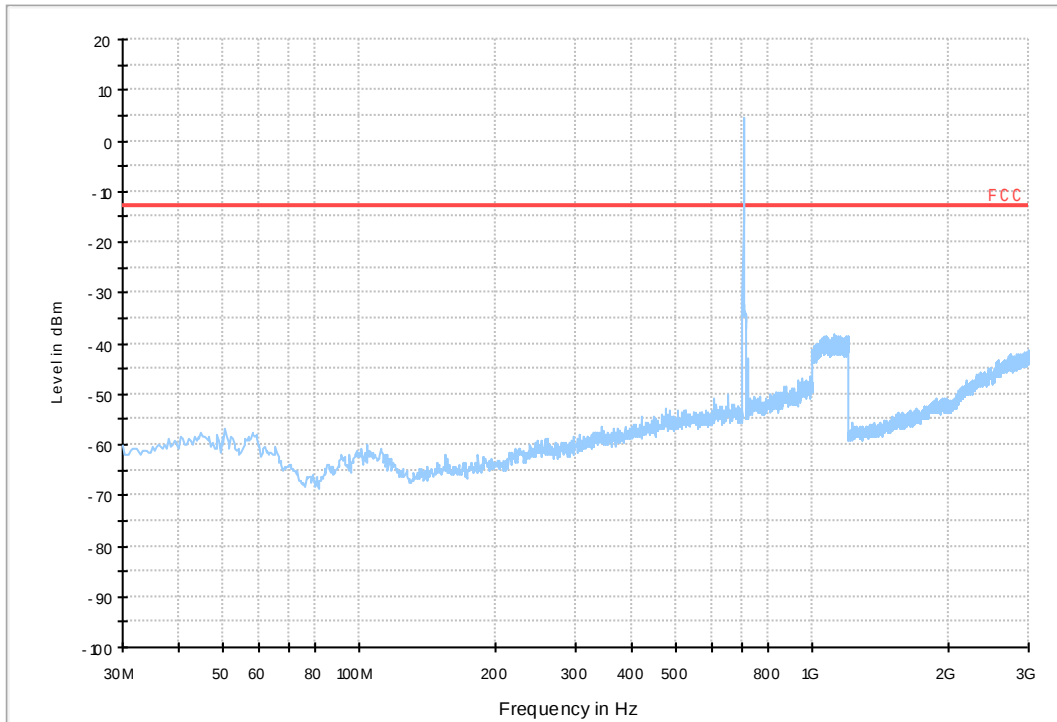
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



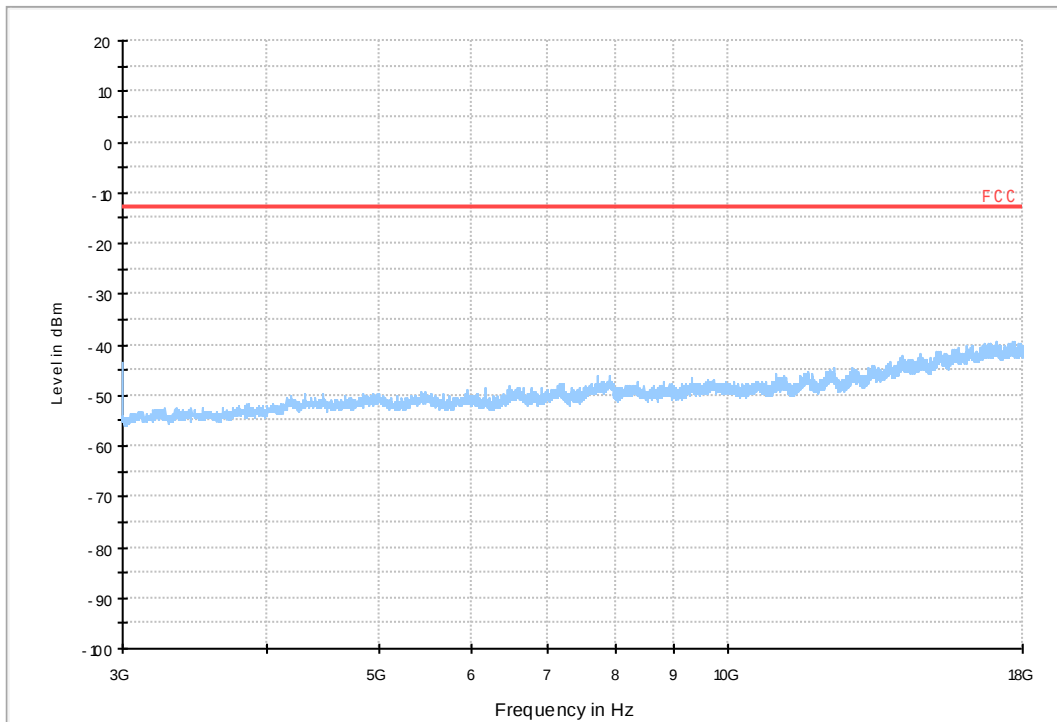
### 7.1.1.3 Test Bandwidth = 10



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

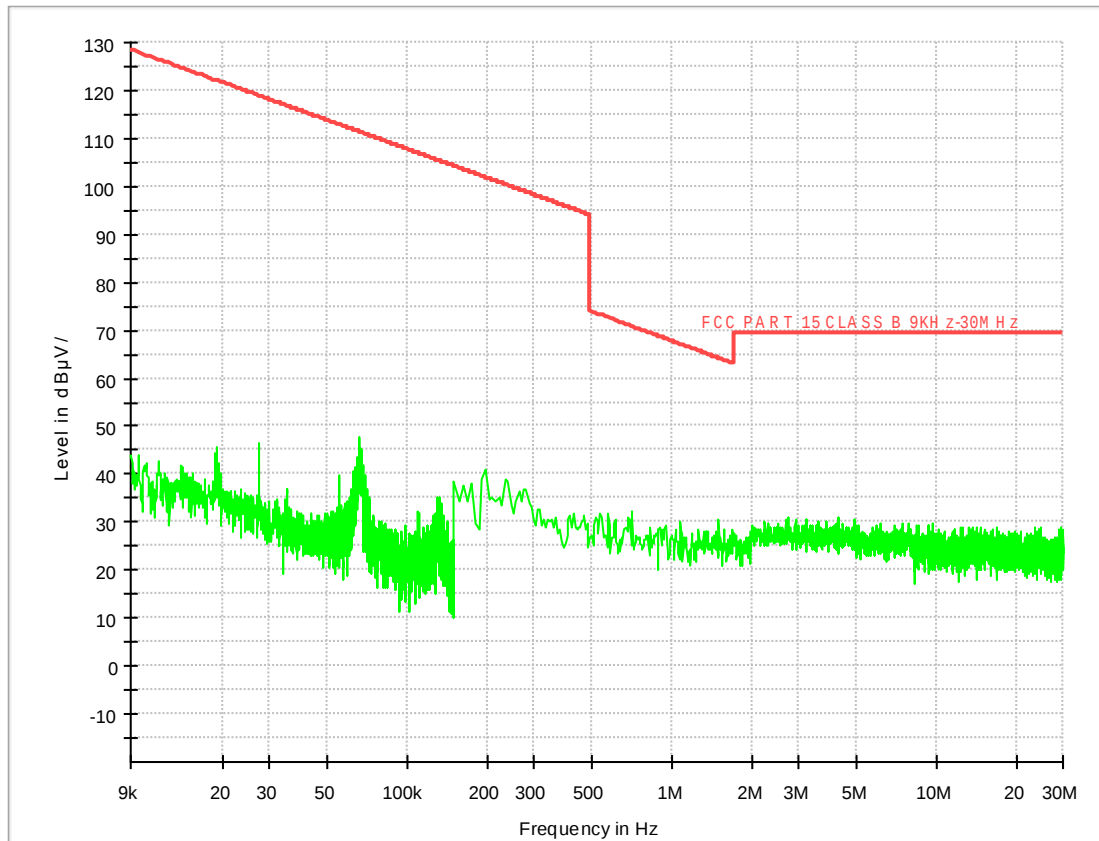


LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H

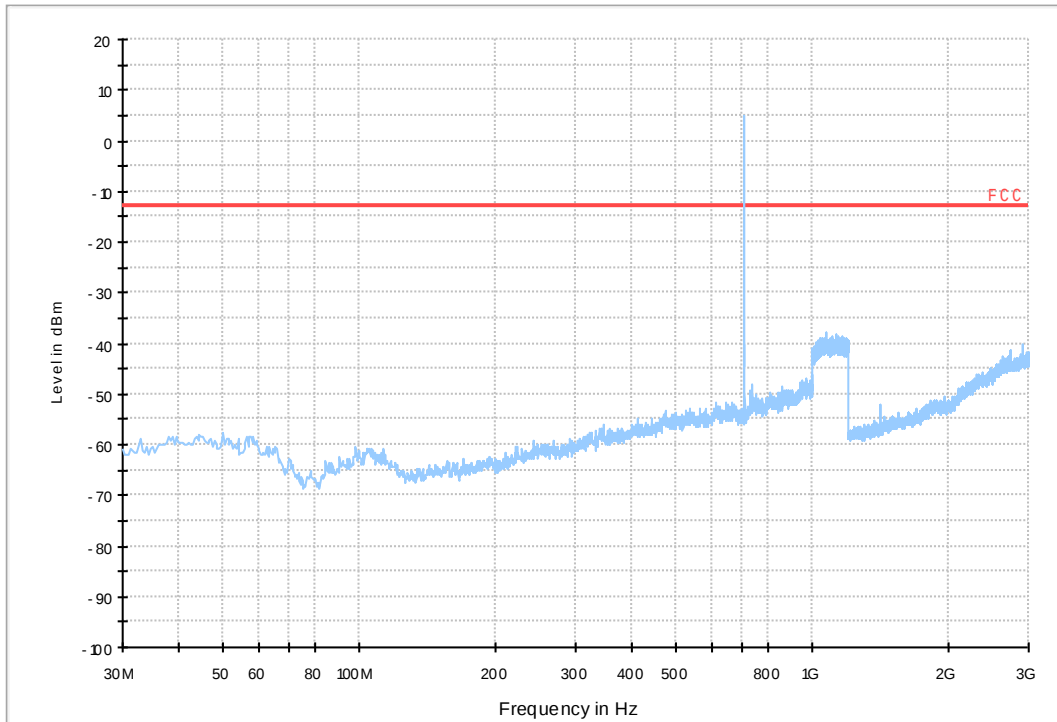


### 7.1.2 Test Band = BAND12-Ant2

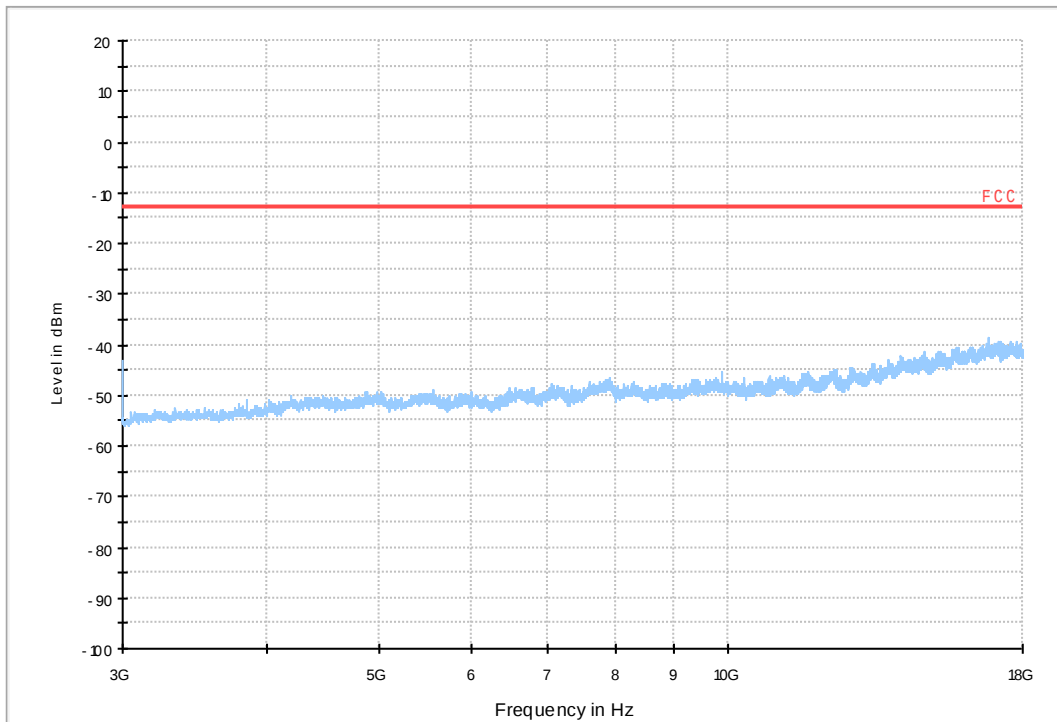
#### 7.1.2.1 Test Bandwidth = 1.4



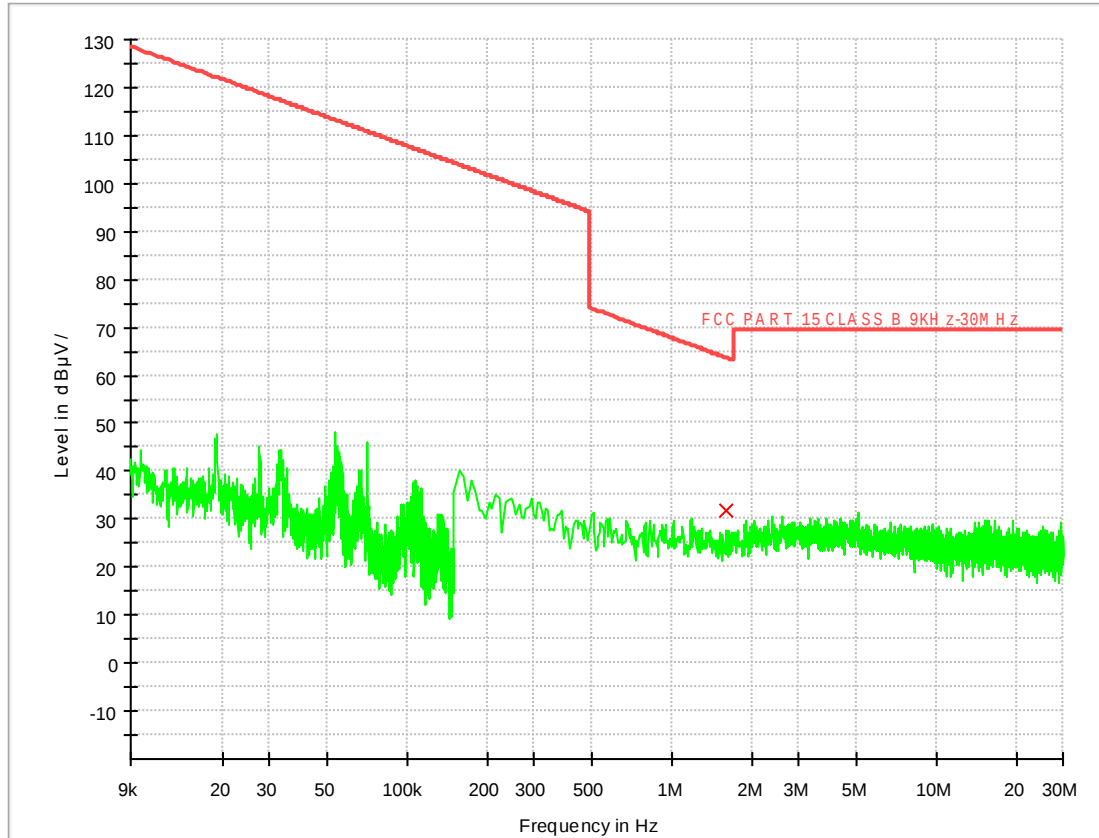
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



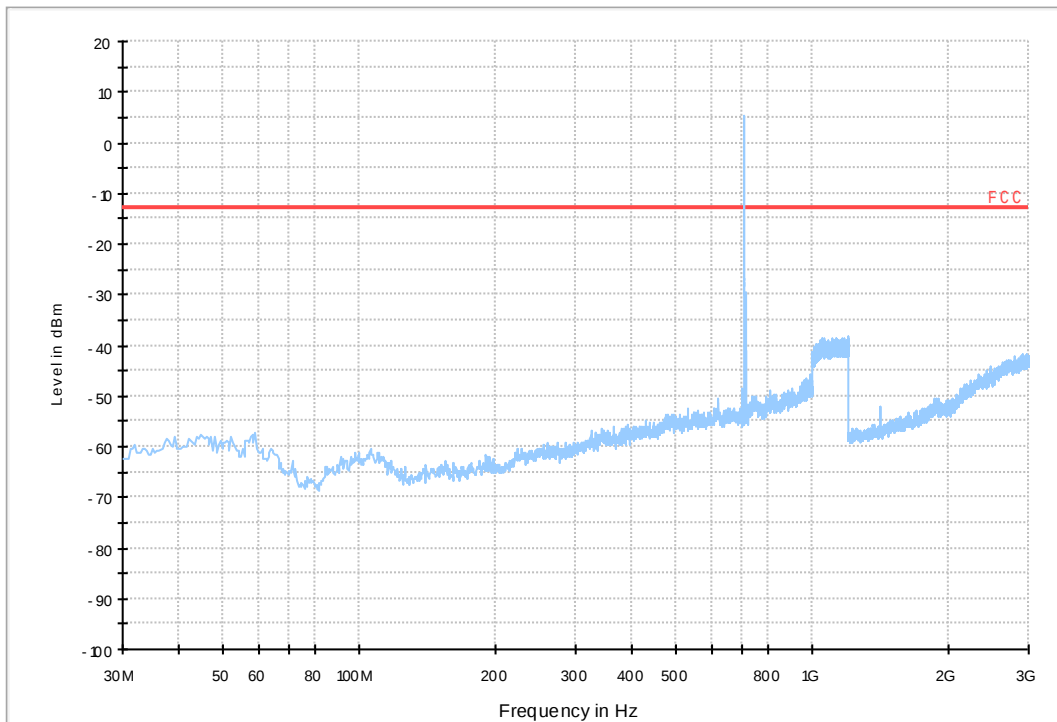
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



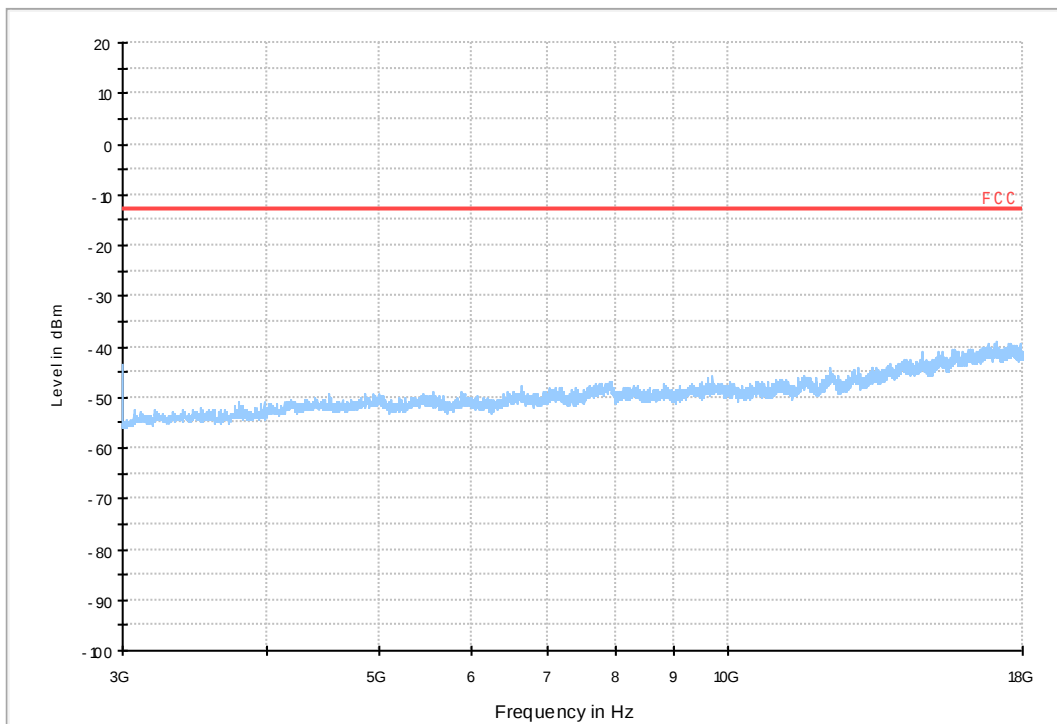
### 7.1.2.2 Test Bandwidth = 5



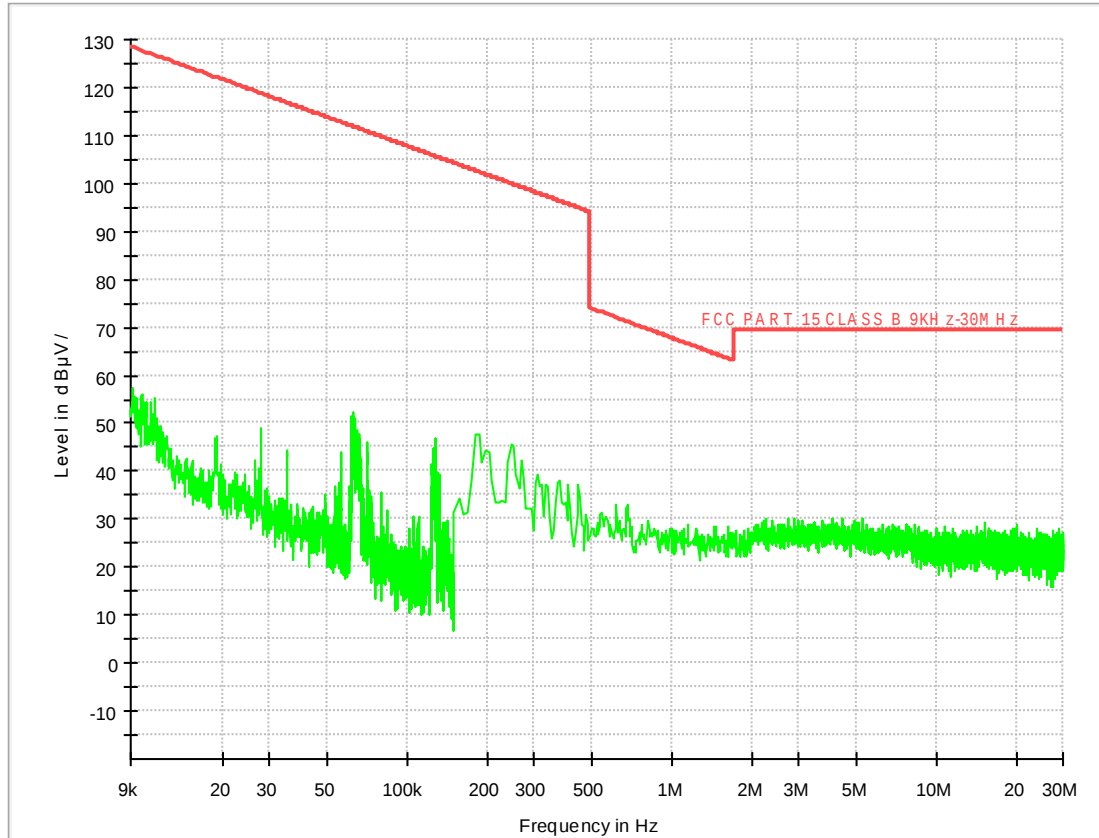
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



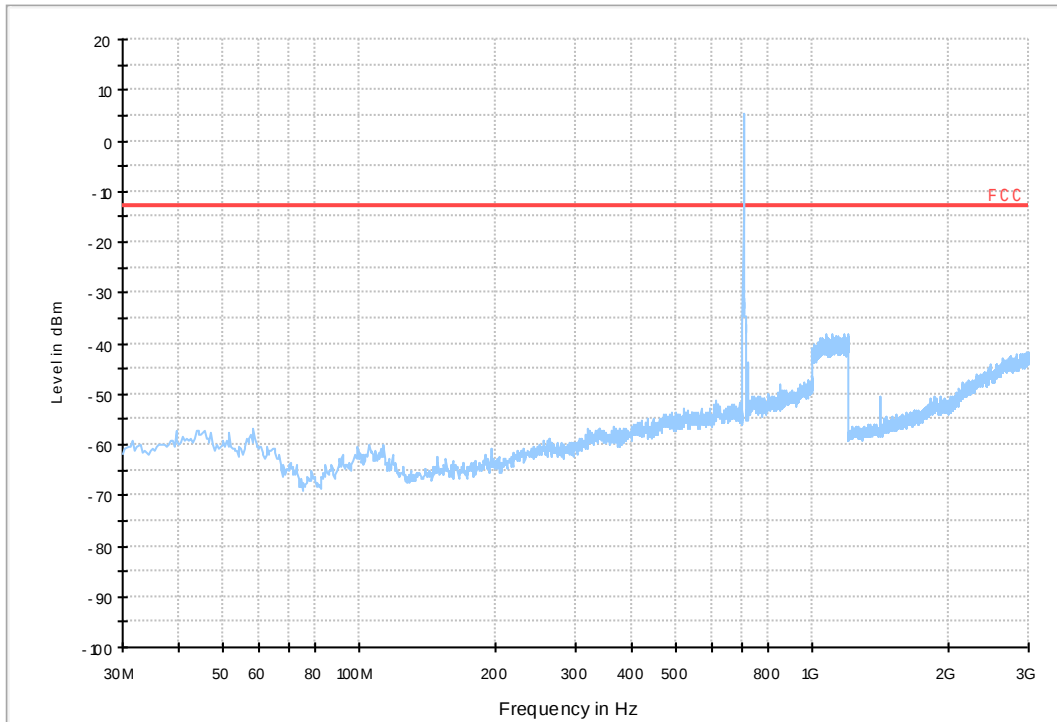
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



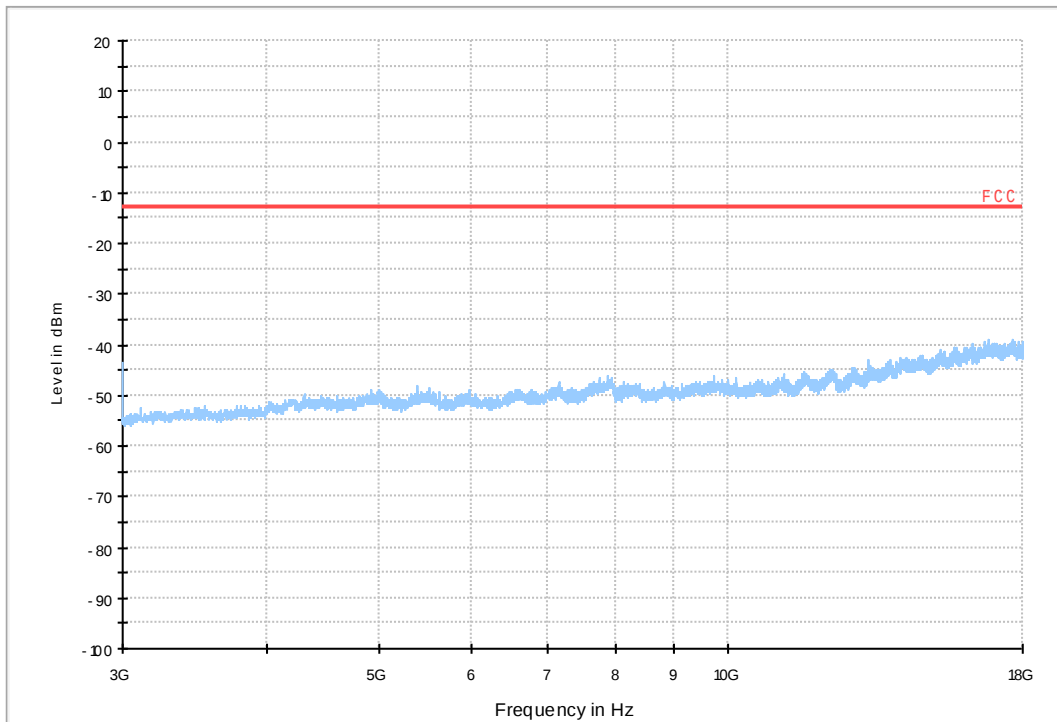
### 7.1.2.3 Test Bandwidth = 10



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



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





## 8Appendix\_H: Frequency Stability

## 8.1 For LTE

### 8.1.1 Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND12    | LTE/TM1   | 1.4                  | LCH          | TN         | VL         | -14.62           | -0.02089              | PASS    |
|           |           |                      |              |            | VN         | -4.42            | -0.00632              | PASS    |
|           |           |                      |              |            | VH         | -3.32            | -0.00474              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.19            | -0.0031               | PASS    |
|           |           |                      |              |            | VN         | -6.67            | -0.00943              | PASS    |
|           |           |                      |              |            | VH         | -14.62           | -0.02066              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -19.00           | -0.02656              | PASS    |
|           |           |                      |              |            | VN         | 7.84             | 0.01096               | PASS    |
|           |           |                      |              |            | VH         | -7.77            | -0.01086              | PASS    |
|           |           | 3                    | LCH          | TN         | VL         | -8.25            | -0.01178              | PASS    |
|           |           |                      |              |            | VN         | -3.75            | -0.00535              | PASS    |
|           |           |                      |              |            | VH         | 11.40            | 0.01627               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 5.72             | 0.00808               | PASS    |
|           |           |                      |              |            | VN         | -1.19            | -0.00168              | PASS    |
|           |           |                      |              |            | VH         | 1.29             | 0.00182               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -3.15            | -0.00441              | PASS    |
|           |           |                      |              |            | VN         | 3.63             | 0.00508               | PASS    |
|           |           |                      |              |            | VH         | -2.30            | -0.00322              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | 2.68             | 0.00382               | PASS    |
|           |           |                      |              |            | VN         | -4.38            | -0.00624              | PASS    |
|           |           |                      |              |            | VH         | -1.10            | -0.00157              | PASS    |
|           |           |                      | MCH          | TN         | VL         | -3.50            | -0.00495              | PASS    |
|           |           |                      |              |            | VN         | -2.90            | -0.0041               | PASS    |
|           |           |                      |              |            | VH         | -0.84            | -0.00119              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -4.43            | -0.00621              | PASS    |
|           |           |                      |              |            | VN         | 2.76             | 0.00387               | PASS    |
|           |           |                      |              |            | VH         | 5.71             | 0.008                 | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | 1.39             | 0.00197               | PASS    |
|           |           |                      |              |            | VN         | -1.79            | -0.00254              | PASS    |
|           |           |                      |              |            | VH         | 0.97             | 0.00138               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.83            | -0.00259              | PASS    |
|           |           |                      |              |            | VN         | 3.30             | 0.00466               | PASS    |
|           |           |                      |              |            | VH         | 1.75             | 0.00247               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.73            | -0.00103              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -1.27            | -0.00179              | PASS    |
|           |           |                      |              |            | VH         | 0.80             | 0.00113               | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | TN         | VL         | -3.69            | -0.00527              | PASS    |
|           |           |                      |              |            | VN         | -38.87           | -0.05555              | PASS    |
|           |           |                      |              |            | VH         | -7.75            | -0.01108              | PASS    |
|           |           |                      |              |            | VL         | 6.07             | 0.00858               | PASS    |
|           |           |                      | MCH          | TN         | VN         | 0.63             | 0.00089               | PASS    |
|           |           |                      |              |            | VH         | -1.17            | -0.00165              | PASS    |
|           |           |                      |              |            | VL         | 8.28             | 0.01158               | PASS    |
|           |           |                      |              |            | VN         | 19.66            | 0.02748               | PASS    |
|           |           |                      | HCH          | TN         | VH         | 2.93             | 0.0041                | PASS    |
|           |           |                      |              |            | VL         | 0.30             | 0.00043               | PASS    |
|           |           |                      |              |            | VN         | 3.25             | 0.00464               | PASS    |
|           |           |                      |              |            | VH         | -4.41            | -0.0063               | PASS    |
|           |           | 3                    | MCH          | TN         | VL         | -2.60            | -0.00367              | PASS    |
|           |           |                      |              |            | VN         | -1.23            | -0.00174              | PASS    |
|           |           |                      |              |            | VH         | -3.06            | -0.00433              | PASS    |
|           |           |                      |              |            | VL         | 1.03             | 0.00144               | PASS    |
|           |           |                      |              |            | VN         | -0.74            | -0.00104              | PASS    |
|           |           |                      | HCH          | TN         | VH         | 3.63             | 0.00508               | PASS    |
|           |           |                      |              |            | VL         | -0.44            | -0.00063              | PASS    |
|           |           |                      |              |            | VN         | -1.56            | -0.00222              | PASS    |
|           |           |                      |              |            | VH         | 4.36             | 0.00622               | PASS    |
|           |           | 5                    | MCH          | TN         | VL         | -9.98            | -0.01411              | PASS    |
|           |           |                      |              |            | VN         | -5.85            | -0.00827              | PASS    |
|           |           |                      |              |            | VH         | -5.02            | -0.0071               | PASS    |
|           |           |                      |              |            | VL         | 1.63             | 0.00228               | PASS    |
|           |           |                      |              |            | VN         | 2.40             | 0.00336               | PASS    |
|           |           |                      |              |            | VH         | 7.60             | 0.01065               | PASS    |
|           | HCH       |                      | TN           | VL         | -2.23      | -0.00317         | PASS                  |         |
|           |           |                      |              | VN         | -0.93      | -0.00132         | PASS                  |         |
|           |           |                      |              | VH         | 0.30       | 0.00043          | PASS                  |         |
|           | 10        | MCH                  | TN           | VL         | 0.64       | 0.0009           | PASS                  |         |
|           |           |                      |              | VN         | -1.29      | -0.00182         | PASS                  |         |
|           |           |                      |              | VH         | -1.47      | -0.00208         | PASS                  |         |
|           |           |                      |              | VL         | -2.30      | -0.00323         | PASS                  |         |
|           |           |                      |              | VN         | 1.76       | 0.00248          | PASS                  |         |
|           |           |                      |              | VH         | -1.46      | -0.00205         | PASS                  |         |
| HCH       |           | TN                   |              |            |            |                  |                       |         |
|           |           |                      |              |            |            |                  |                       |         |
|           |           |                      |              |            |            |                  |                       |         |

### 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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND12    | LTE/TM1   | 1.4                  | LCH          | VN         | -30        | 2.80             | 0.004                 | PASS    |
|           |           |                      |              |            | -20        | -3.72            | -0.00532              | PASS    |
|           |           |                      |              |            | -10        | -4.55            | -0.0065               | PASS    |
|           |           |                      |              |            | 0          | -1.96            | -0.0028               | PASS    |
|           |           |                      |              |            | 10         | -20.54           | -0.02936              | PASS    |
|           |           |                      |              |            | 20         | 15.12            | 0.02161               | PASS    |
|           |           |                      |              |            | 30         | 0.27             | 0.00039               | PASS    |
|           |           |                      |              |            | 40         | -1.65            | -0.00236              | PASS    |
|           |           |                      |              |            | 50         | -24.25           | -0.03466              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 3.19             | 0.00451               | PASS    |
|           |           |                      |              |            | -20        | 0.59             | 0.00083               | PASS    |
|           |           |                      |              |            | -10        | 3.86             | 0.00546               | PASS    |
|           |           |                      |              |            | 0          | 5.21             | 0.00736               | PASS    |
|           |           |                      |              |            | 10         | -3.50            | -0.00495              | PASS    |
|           |           |                      |              |            | 20         | 8.73             | 0.01234               | PASS    |
|           |           |                      |              |            | 30         | -0.14            | -0.0002               | PASS    |
|           |           |                      |              |            | 40         | -1.39            | -0.00196              | PASS    |
|           |           |                      |              |            | 50         | 8.47             | 0.01197               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 10.56            | 0.01476               | PASS    |
|           |           |                      |              |            | -20        | 1.85             | 0.00259               | PASS    |
|           |           |                      |              |            | -10        | 2.40             | 0.00336               | PASS    |
|           |           |                      |              |            | 0          | -4.82            | -0.00674              | PASS    |
|           |           |                      |              |            | 10         | 2.16             | 0.00302               | PASS    |
|           |           |                      |              |            | 20         | 14.16            | 0.0198                | PASS    |
|           |           |                      |              |            | 30         | 1.82             | 0.00254               | PASS    |
|           |           |                      |              |            | 40         | -2.40            | -0.00336              | PASS    |
|           |           |                      |              |            | 50         | -7.58            | -0.0106               | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | 3.60             | 0.00514               | PASS    |
|           |           |                      |              |            | -20        | 0.50             | 0.00071               | PASS    |
|           |           |                      |              |            | -10        | 1.42             | 0.00203               | PASS    |
|           |           |                      |              |            | 0          | 4.32             | 0.00617               | PASS    |
|           |           |                      |              |            | 10         | -2.16            | -0.00308              | PASS    |
|           |           |                      |              |            | 20         | -7.31            | -0.01044              | PASS    |
|           |           |                      |              |            | 30         | -5.05            | -0.00721              | PASS    |
|           |           |                      |              |            | 40         | -3.16            | -0.00451              | PASS    |
|           |           |                      |              |            | 50         | 2.05             | 0.00293               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.67            | -0.00236              | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20        | 3.05             | 0.00431               | PASS    |
|           |           |                      |              |            | -10        | -4.31            | -0.00609              | PASS    |
|           |           |                      |              |            | 0          | 3.29             | 0.00465               | PASS    |
|           |           |                      |              |            | 10         | -4.26            | -0.00602              | PASS    |
|           |           |                      |              |            | 20         | -3.66            | -0.00517              | PASS    |
|           |           |                      |              |            | 30         | 11.30            | 0.01597               | PASS    |
|           |           |                      |              |            | 40         | -3.15            | -0.00445              | PASS    |
|           |           |                      |              |            | 50         | 2.05             | 0.0029                | PASS    |
|           |           |                      | HCH          | VN         | -30        | 5.52             | 0.00773               | PASS    |
|           |           |                      |              |            | -20        | -0.77            | -0.00108              | PASS    |
|           |           |                      |              |            | -10        | -0.96            | -0.00134              | PASS    |
|           |           |                      |              |            | 0          | -1.44            | -0.00202              | PASS    |
|           |           |                      |              |            | 10         | 2.56             | 0.00358               | PASS    |
|           |           |                      |              |            | 20         | 5.75             | 0.00805               | PASS    |
|           |           |                      |              |            | 30         | -1.23            | -0.00172              | PASS    |
|           |           |                      |              |            | 40         | -8.04            | -0.01125              | PASS    |
|           |           |                      |              |            | 50         | 3.85             | 0.00539               | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -5.24            | -0.00747              | PASS    |
|           |           |                      |              |            | -20        | -4.63            | -0.0066               | PASS    |
|           |           |                      |              |            | -10        | 2.47             | 0.00352               | PASS    |
|           |           |                      |              |            | 0          | -1.37            | -0.00195              | PASS    |
|           |           |                      |              |            | 10         | -5.29            | -0.00754              | PASS    |
|           |           |                      |              |            | 20         | -4.56            | -0.0065               | PASS    |
|           |           |                      |              |            | 30         | 5.54             | 0.0079                | PASS    |
|           |           |                      |              |            | 40         | 2.57             | 0.00366               | PASS    |
|           |           |                      |              |            | 50         | 2.98             | 0.00425               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -7.24            | -0.01023              | PASS    |
|           |           |                      |              |            | -20        | -1.36            | -0.00192              | PASS    |
|           |           |                      |              |            | -10        | -4.72            | -0.00667              | PASS    |
|           |           |                      |              |            | 0          | -1.36            | -0.00192              | PASS    |
|           |           |                      |              |            | 10         | -5.54            | -0.00783              | PASS    |
|           |           |                      |              |            | 20         | -2.93            | -0.00414              | PASS    |
|           |           |                      |              |            | 30         | -0.21            | -0.0003               | PASS    |
|           |           |                      |              |            | 40         | 0.73             | 0.00103               | PASS    |
|           |           |                      |              |            | 50         | -4.05            | -0.00572              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.17             | 0.00024               | PASS    |
|           |           |                      |              |            | -20        | 4.38             | 0.00614               | PASS    |
|           |           |                      |              |            | -10        | -0.79            | -0.00111              | PASS    |
|           |           |                      |              |            | 0          | -10.56           | -0.0148               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10         | 0.72             | 0.00101               | PASS    |
|           |           |                      |              |            | 20         | -2.19            | -0.00307              | PASS    |
|           |           |                      |              |            | 30         | 10.69            | 0.01498               | PASS    |
|           |           |                      |              |            | 40         | 5.29             | 0.00741               | PASS    |
|           |           |                      |              |            | 50         | -1.24            | -0.00174              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -0.90            | -0.00128              | PASS    |
|           |           |                      |              |            | -20        | -0.31            | -0.00044              | PASS    |
|           |           |                      |              |            | -10        | 1.50             | 0.00213               | PASS    |
|           |           |                      |              |            | 0          | 0.20             | 0.00028               | PASS    |
|           |           |                      |              |            | 10         | 2.82             | 0.00401               | PASS    |
|           |           |                      |              |            | 20         | 2.69             | 0.00382               | PASS    |
|           |           |                      |              |            | 30         | -3.12            | -0.00443              | PASS    |
|           |           |                      |              |            | 40         | -1.19            | -0.00169              | PASS    |
|           |           |                      |              |            | 50         | -0.94            | -0.00134              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -2.47            | -0.00349              | PASS    |
|           |           |                      |              |            | -20        | -1.49            | -0.00211              | PASS    |
|           |           |                      |              |            | -10        | 1.10             | 0.00155               | PASS    |
|           |           |                      |              |            | 0          | -1.20            | -0.0017               | PASS    |
|           |           |                      |              |            | 10         | -0.64            | -0.0009               | PASS    |
|           |           |                      |              |            | 20         | -0.23            | -0.00033              | PASS    |
|           |           |                      |              |            | 30         | 1.99             | 0.00281               | PASS    |
|           |           |                      |              |            | 40         | -0.77            | -0.00109              | PASS    |
|           |           |                      |              |            | 50         | 0.56             | 0.00079               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.07             | 0.0001                | PASS    |
|           |           |                      |              |            | -20        | 0.94             | 0.00132               | PASS    |
|           |           |                      |              |            | -10        | -0.17            | -0.00024              | PASS    |
|           |           |                      |              |            | 0          | 3.02             | 0.00425               | PASS    |
|           |           |                      |              |            | 10         | 0.53             | 0.00075               | PASS    |
|           |           |                      |              |            | 20         | -0.34            | -0.00048              | PASS    |
|           |           |                      |              |            | 30         | 0.41             | 0.00058               | PASS    |
|           |           |                      |              |            | 40         | -0.11            | -0.00015              | PASS    |
|           |           |                      |              |            | 50         | 0.64             | 0.0009                | PASS    |
|           | LTE/TM2   | 1.4                  | LCH          | VN         | -30        | -14.78           | -0.02112              | PASS    |
|           |           |                      |              |            | -20        | 0.14             | 0.0002                | PASS    |
|           |           |                      |              |            | -10        | 1.39             | 0.00199               | PASS    |
|           |           |                      |              |            | 0          | 10.84            | 0.01549               | PASS    |
|           |           |                      |              |            | 10         | -14.36           | -0.02052              | PASS    |
|           |           |                      |              |            | 20         | -4.79            | -0.00685              | PASS    |
|           |           |                      |              |            | 30         | 6.14             | 0.00878               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40         | -4.99            | -0.00713              | PASS    |
|           |           |                      |              |            | 50         | -5.71            | -0.00816              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -0.27            | -0.00038              | PASS    |
|           |           |                      |              |            | -20        | -2.90            | -0.0041               | PASS    |
|           |           |                      |              |            | -10        | -5.24            | -0.00741              | PASS    |
|           |           |                      |              |            | 0          | 2.73             | 0.00386               | PASS    |
|           |           |                      |              |            | 10         | 5.72             | 0.00808               | PASS    |
|           |           |                      |              |            | 20         | 2.60             | 0.00367               | PASS    |
|           |           |                      |              |            | 30         | -3.08            | -0.00435              | PASS    |
|           |           |                      |              |            | 40         | -0.13            | -0.00018              | PASS    |
|           |           |                      |              |            | 50         | 7.57             | 0.0107                | PASS    |
|           |           |                      | HCH          | VN         | -30        | 4.02             | 0.00562               | PASS    |
|           |           |                      |              |            | -20        | -0.09            | -0.00013              | PASS    |
|           |           |                      |              |            | -10        | -4.12            | -0.00576              | PASS    |
|           |           |                      |              |            | 0          | 4.91             | 0.00686               | PASS    |
|           |           |                      |              |            | 10         | -7.02            | -0.00981              | PASS    |
|           |           |                      |              |            | 20         | 1.22             | 0.00171               | PASS    |
|           |           |                      |              |            | 30         | 3.82             | 0.00534               | PASS    |
|           |           |                      |              |            | 40         | -12.07           | -0.01687              | PASS    |
|           |           |                      |              |            | 50         | 7.65             | 0.01069               | PASS    |
|           |           | 3                    | LCH          | VN         | -30        | 5.95             | 0.00849               | PASS    |
|           |           |                      |              |            | -20        | 2.45             | 0.0035                | PASS    |
|           |           |                      |              |            | -10        | -0.36            | -0.00051              | PASS    |
|           |           |                      |              |            | 0          | 4.66             | 0.00665               | PASS    |
|           |           |                      |              |            | 10         | 0.50             | 0.00071               | PASS    |
|           |           |                      |              |            | 20         | -1.09            | -0.00156              | PASS    |
|           |           |                      |              |            | 30         | 2.25             | 0.00321               | PASS    |
|           |           |                      |              |            | 40         | 4.06             | 0.0058                | PASS    |
|           |           |                      |              |            | 50         | 0.19             | 0.00027               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.46             | 0.00206               | PASS    |
|           |           |                      |              |            | -20        | -3.86            | -0.00546              | PASS    |
|           |           |                      |              |            | -10        | -0.51            | -0.00072              | PASS    |
|           |           |                      |              |            | 0          | 3.35             | 0.00473               | PASS    |
|           |           |                      |              |            | 10         | 5.76             | 0.00814               | PASS    |
|           |           |                      |              |            | 20         | -5.74            | -0.00811              | PASS    |
|           |           |                      |              |            | 30         | -0.29            | -0.00041              | PASS    |
|           |           |                      |              |            | 40         | 3.76             | 0.00531               | PASS    |
|           |           |                      |              |            | 50         | -2.95            | -0.00417              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 3.68             | 0.00515               | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20        | 2.90             | 0.00406               | PASS    |
|           |           |                      |              |            | -10        | 10.39            | 0.01454               | PASS    |
|           |           |                      |              |            | 0          | -0.34            | -0.00048              | PASS    |
|           |           |                      |              |            | 10         | 4.66             | 0.00652               | PASS    |
|           |           |                      |              |            | 20         | 1.22             | 0.00171               | PASS    |
|           |           |                      |              |            | 30         | 5.71             | 0.00799               | PASS    |
|           |           |                      |              |            | 40         | 2.37             | 0.00332               | PASS    |
|           |           |                      |              |            | 50         | -3.91            | -0.00547              | PASS    |
|           |           | 5                    | LCH          | VN         | -30        | -0.63            | -0.0009               | PASS    |
|           |           |                      |              |            | -20        | -3.03            | -0.00432              | PASS    |
|           |           |                      |              |            | -10        | -1.27            | -0.00181              | PASS    |
|           |           |                      |              |            | 0          | -5.32            | -0.00758              | PASS    |
|           |           |                      |              |            | 10         | 2.89             | 0.00412               | PASS    |
|           |           |                      |              |            | 20         | 0.87             | 0.00124               | PASS    |
|           |           |                      |              |            | 30         | 0.24             | 0.00034               | PASS    |
|           |           |                      |              |            | 40         | -0.56            | -0.0008               | PASS    |
|           |           |                      |              |            | 50         | -6.02            | -0.00858              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.76            | -0.00249              | PASS    |
|           |           |                      |              |            | -20        | 0.27             | 0.00038               | PASS    |
|           |           |                      |              |            | -10        | -2.70            | -0.00382              | PASS    |
|           |           |                      |              |            | 0          | 2.56             | 0.00362               | PASS    |
|           |           |                      |              |            | 10         | 7.40             | 0.01046               | PASS    |
|           |           |                      |              |            | 20         | 0.26             | 0.00037               | PASS    |
|           |           |                      |              |            | 30         | -1.96            | -0.00277              | PASS    |
|           |           |                      |              |            | 40         | 6.18             | 0.00873               | PASS    |
|           |           |                      |              |            | 50         | -1.75            | -0.00247              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.97            | -0.00136              | PASS    |
|           |           |                      |              |            | -20        | -4.49            | -0.00629              | PASS    |
|           |           |                      |              |            | -10        | -0.40            | -0.00056              | PASS    |
|           |           |                      |              |            | 0          | -6.02            | -0.00844              | PASS    |
|           |           |                      |              |            | 10         | 3.35             | 0.0047                | PASS    |
|           |           |                      |              |            | 20         | 3.38             | 0.00474               | PASS    |
|           |           |                      |              |            | 30         | -1.83            | -0.00256              | PASS    |
|           |           |                      |              |            | 40         | 0.80             | 0.00112               | PASS    |
|           |           |                      |              |            | 50         | 0.23             | 0.00032               | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | 1.44             | 0.00205               | PASS    |
|           |           |                      |              |            | -20        | 2.75             | 0.00391               | PASS    |
|           |           |                      |              |            | -10        | 0.30             | 0.00043               | PASS    |
|           |           |                      |              |            | 0          | 0.63             | 0.00089               | PASS    |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10         | -1.06            | -0.00151              | PASS    |
|           |           |                      |              |            | 20         | 1.49             | 0.00212               | PASS    |
|           |           |                      |              |            | 30         | -1.46            | -0.00207              | PASS    |
|           |           |                      |              |            | 40         | -0.63            | -0.00089              | PASS    |
|           |           |                      |              |            | 50         | 0.43             | 0.00061               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 3.88             | 0.00548               | PASS    |
|           |           |                      |              |            | -20        | 1.40             | 0.00198               | PASS    |
|           |           |                      |              |            | -10        | 3.43             | 0.00485               | PASS    |
|           |           |                      |              |            | 0          | 2.49             | 0.00352               | PASS    |
|           |           |                      |              |            | 10         | -1.96            | -0.00277              | PASS    |
|           |           |                      |              |            | 20         | -2.33            | -0.00329              | PASS    |
|           |           |                      |              |            | 30         | 1.87             | 0.00264               | PASS    |
|           |           |                      |              |            | 40         | -1.24            | -0.00175              | PASS    |
|           |           |                      |              |            | 50         | 0.84             | 0.00119               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 1.06             | 0.00149               | PASS    |
|           |           |                      |              |            | -20        | -3.10            | -0.00436              | PASS    |
|           |           |                      |              |            | -10        | -2.50            | -0.00352              | PASS    |
|           |           |                      |              |            | 0          | 1.20             | 0.00169               | PASS    |
|           |           |                      |              |            | 10         | -3.53            | -0.00496              | PASS    |
|           |           |                      |              |            | 20         | -1.65            | -0.00232              | PASS    |
|           |           |                      |              |            | 30         | -2.25            | -0.00316              | PASS    |
|           |           |                      |              |            | 40         | -2.73            | -0.00384              | PASS    |
|           |           |                      |              |            | 50         | 2.33             | 0.00328               | PASS    |

END