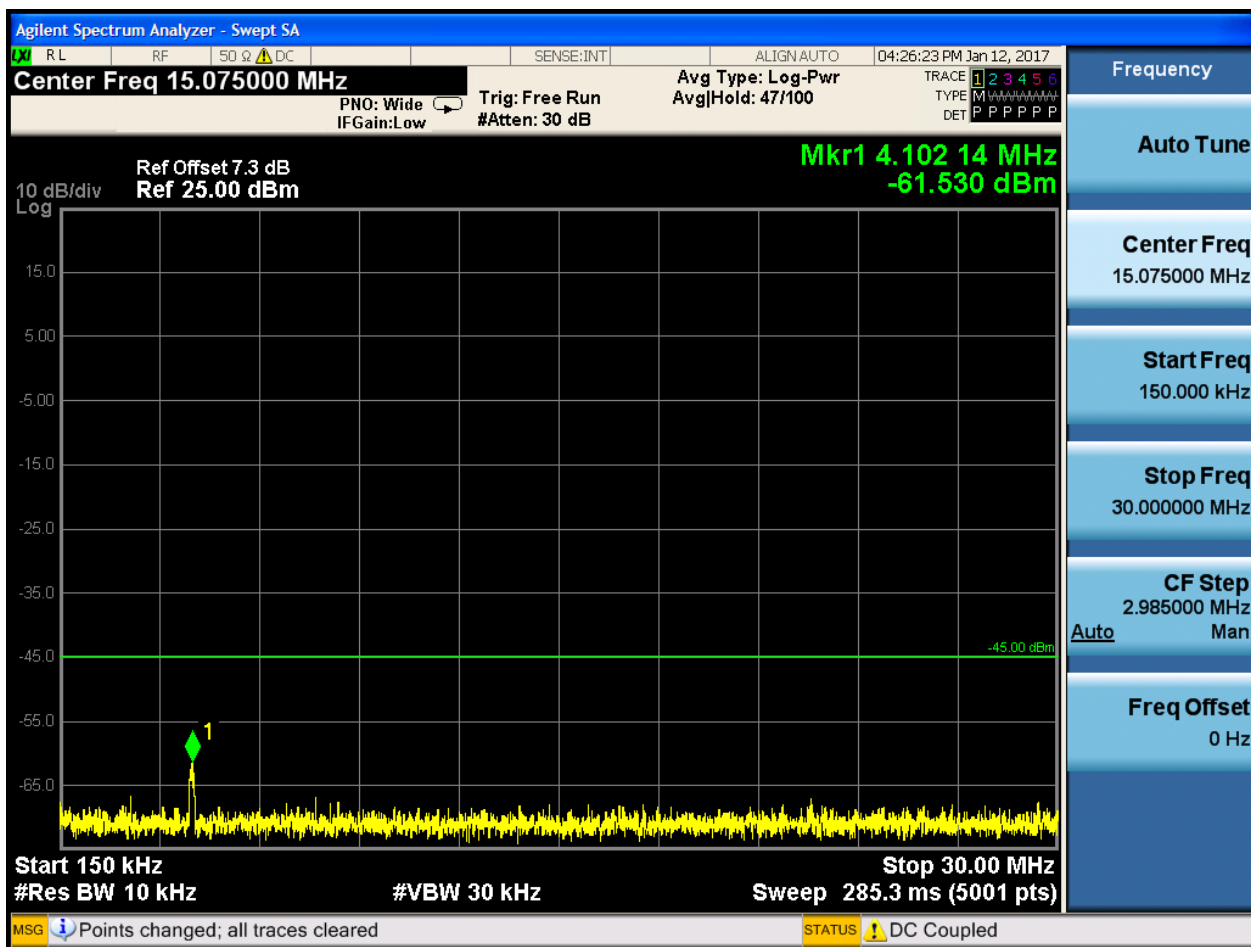
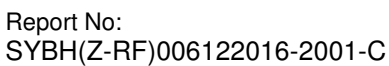
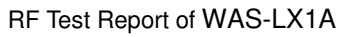




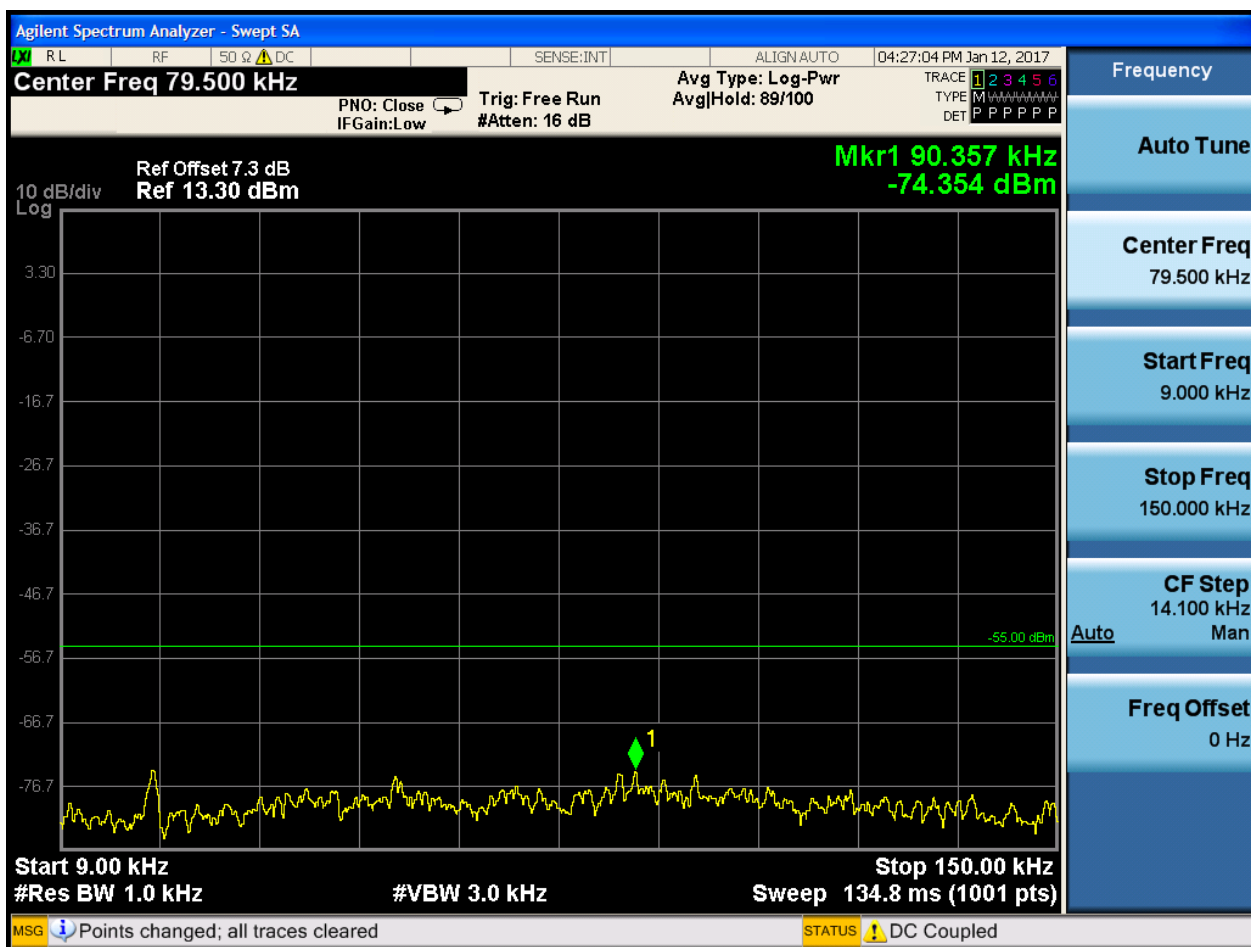


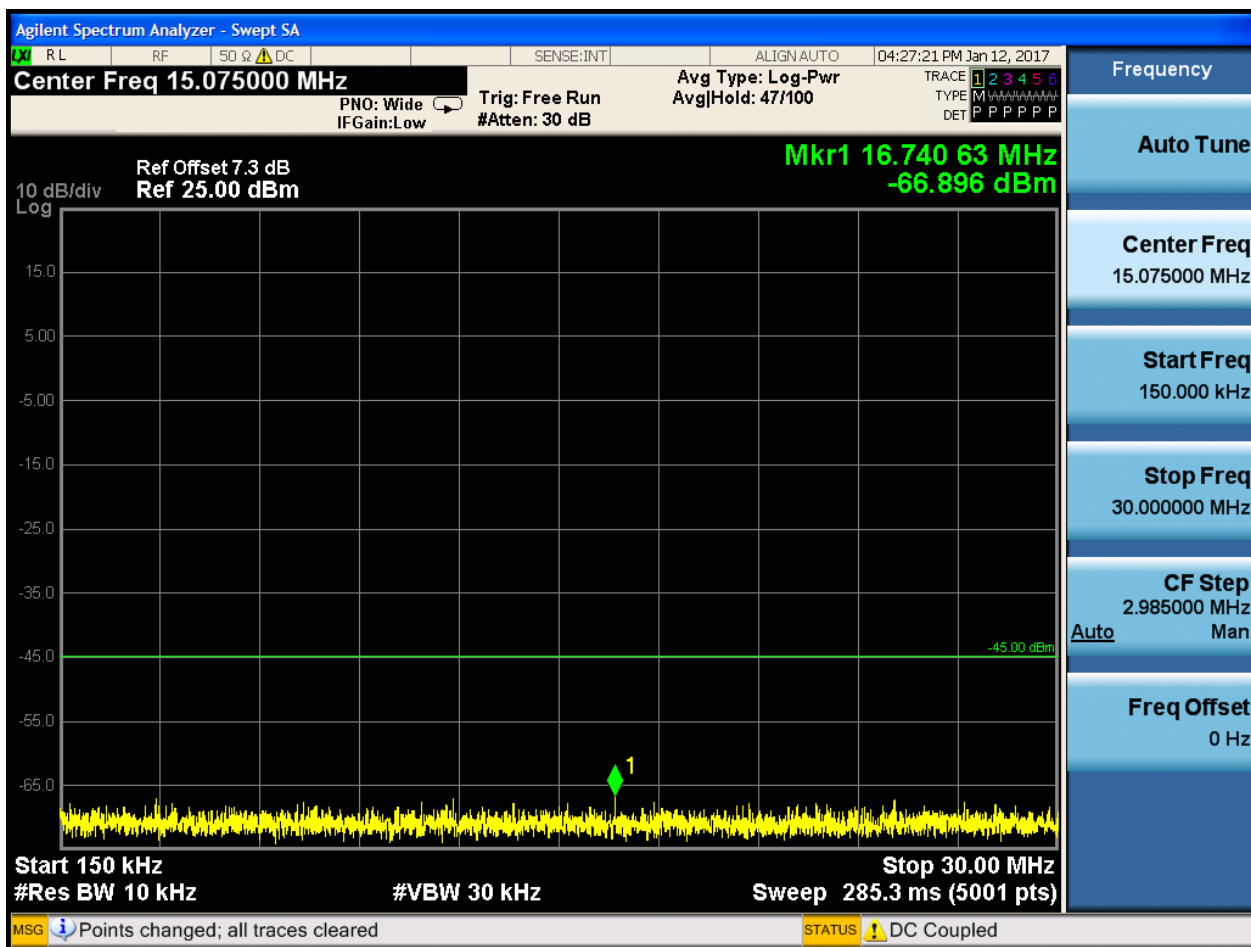


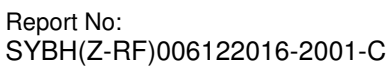
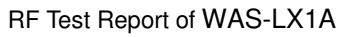
## 6.1.1.1.2 Test Bandwidth = 10

## 6.1.1.1.2.1 Test Channel = LCH

## 6.1.1.1.5.1.1 Test RB = RB1#0

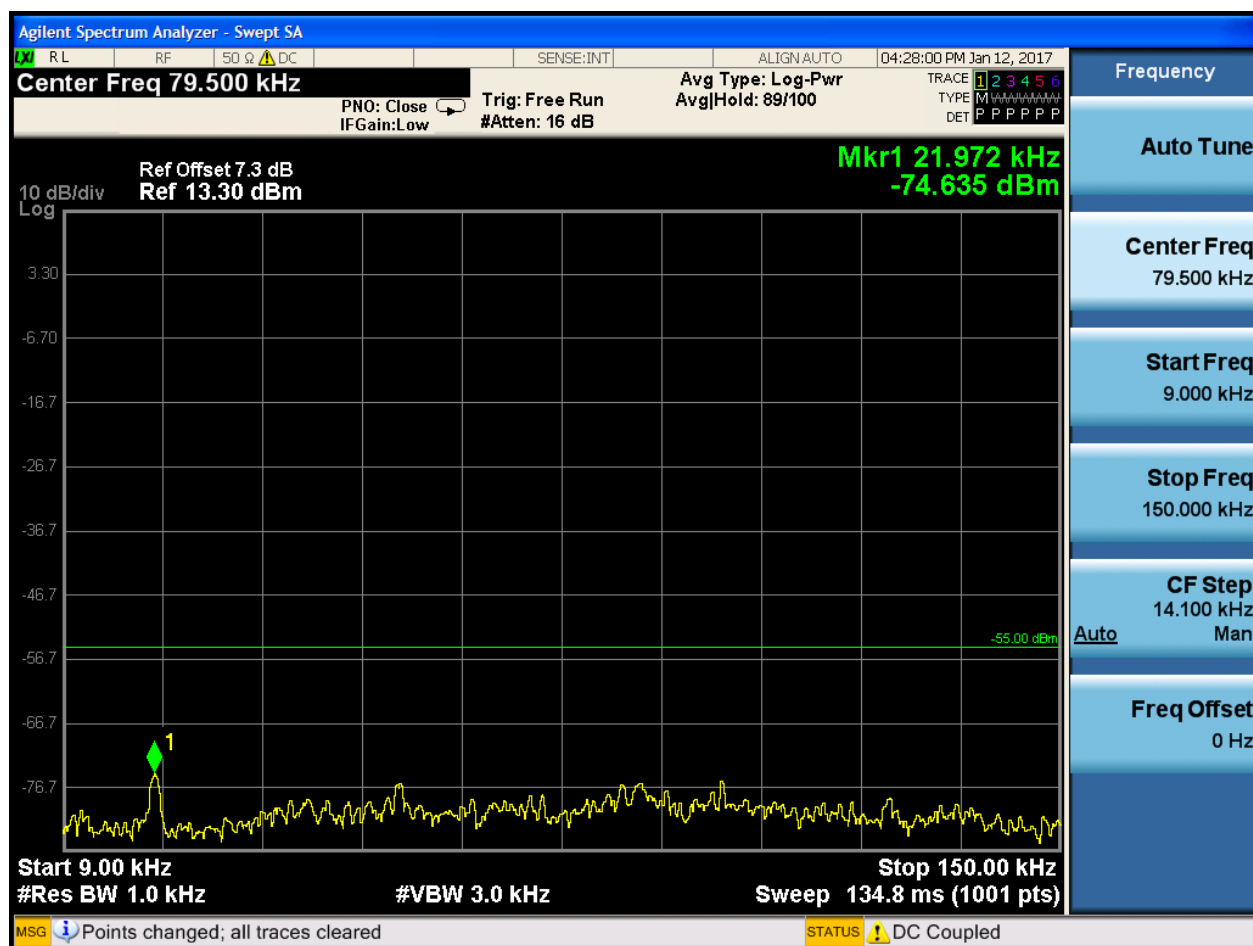


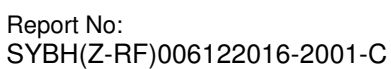
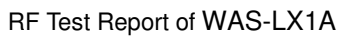


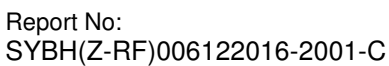
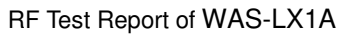


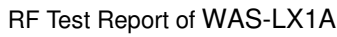
#### 6.1.1.1.2.2 Test Channel = MCH

#### 6.1.1.1.2.2.1 Test RB = RB1#0

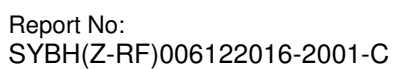


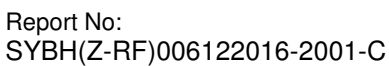
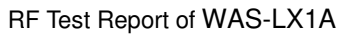


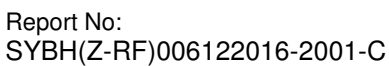
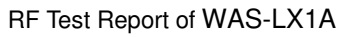




#### 6.1.1.1.2.3.1 Test RB = RB1#0





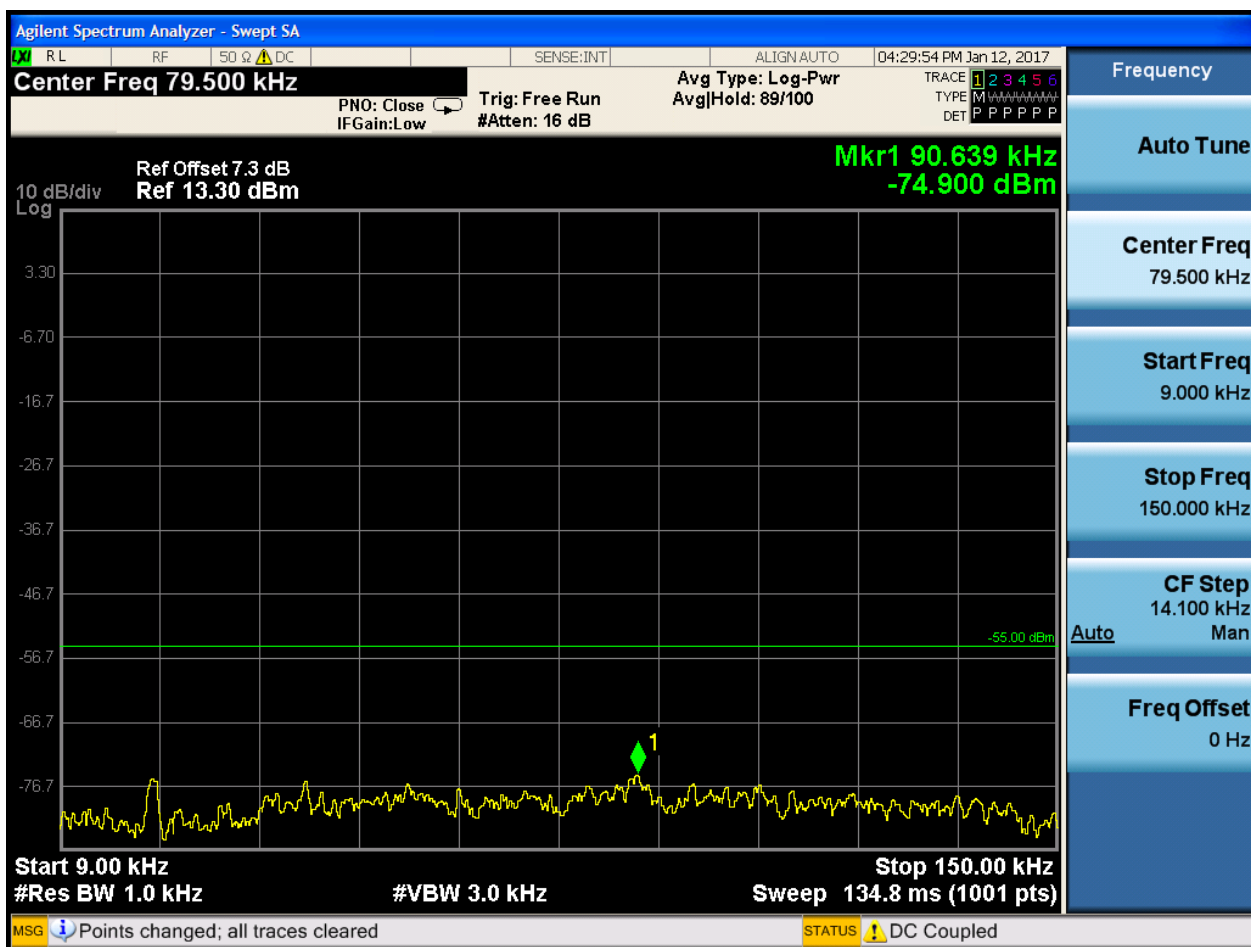


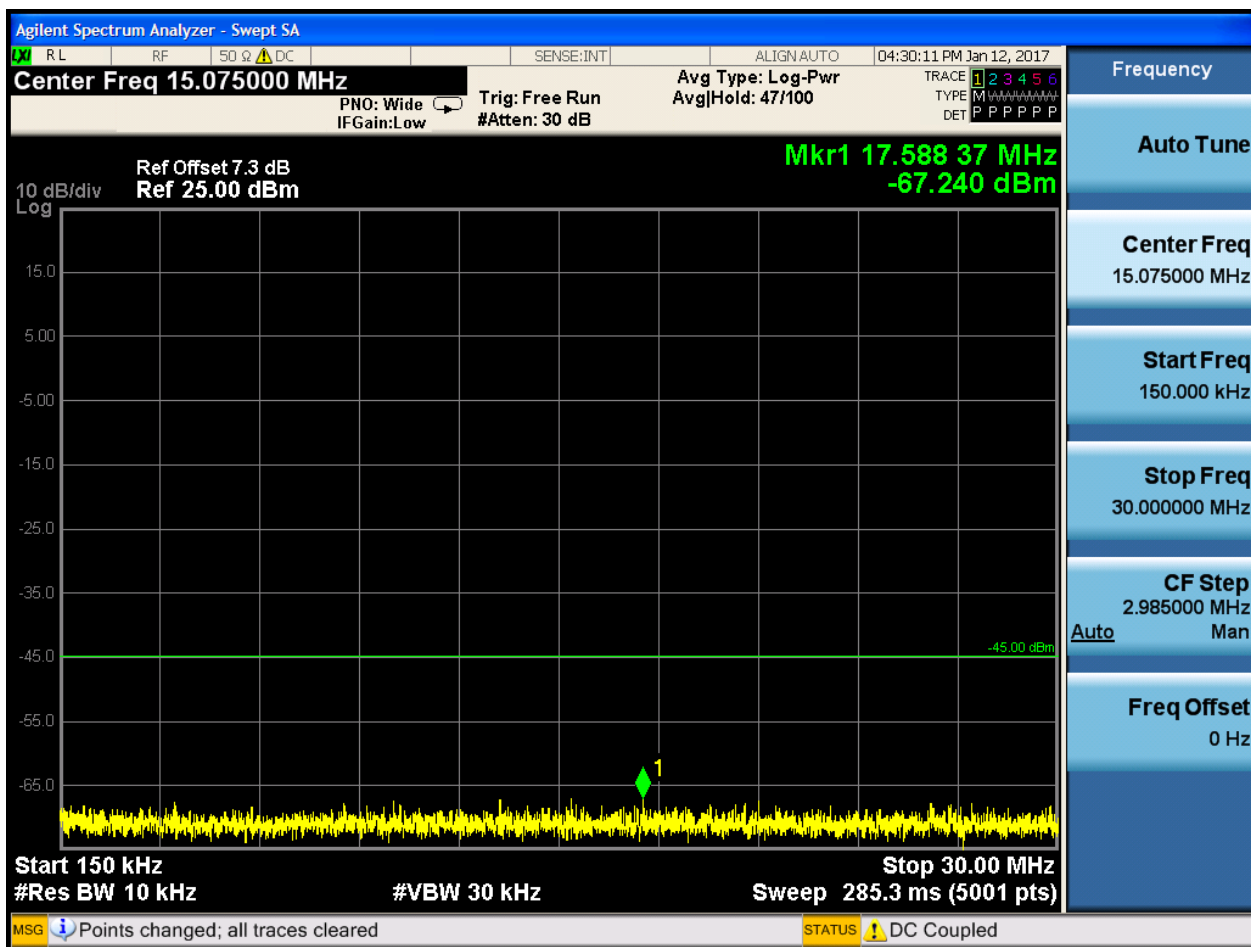


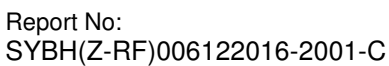
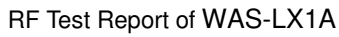
## 6.1.1.1.3 Test Bandwidth = 15

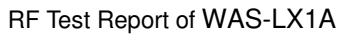
## 6.1.1.1.3.1 Test Channel = LCH

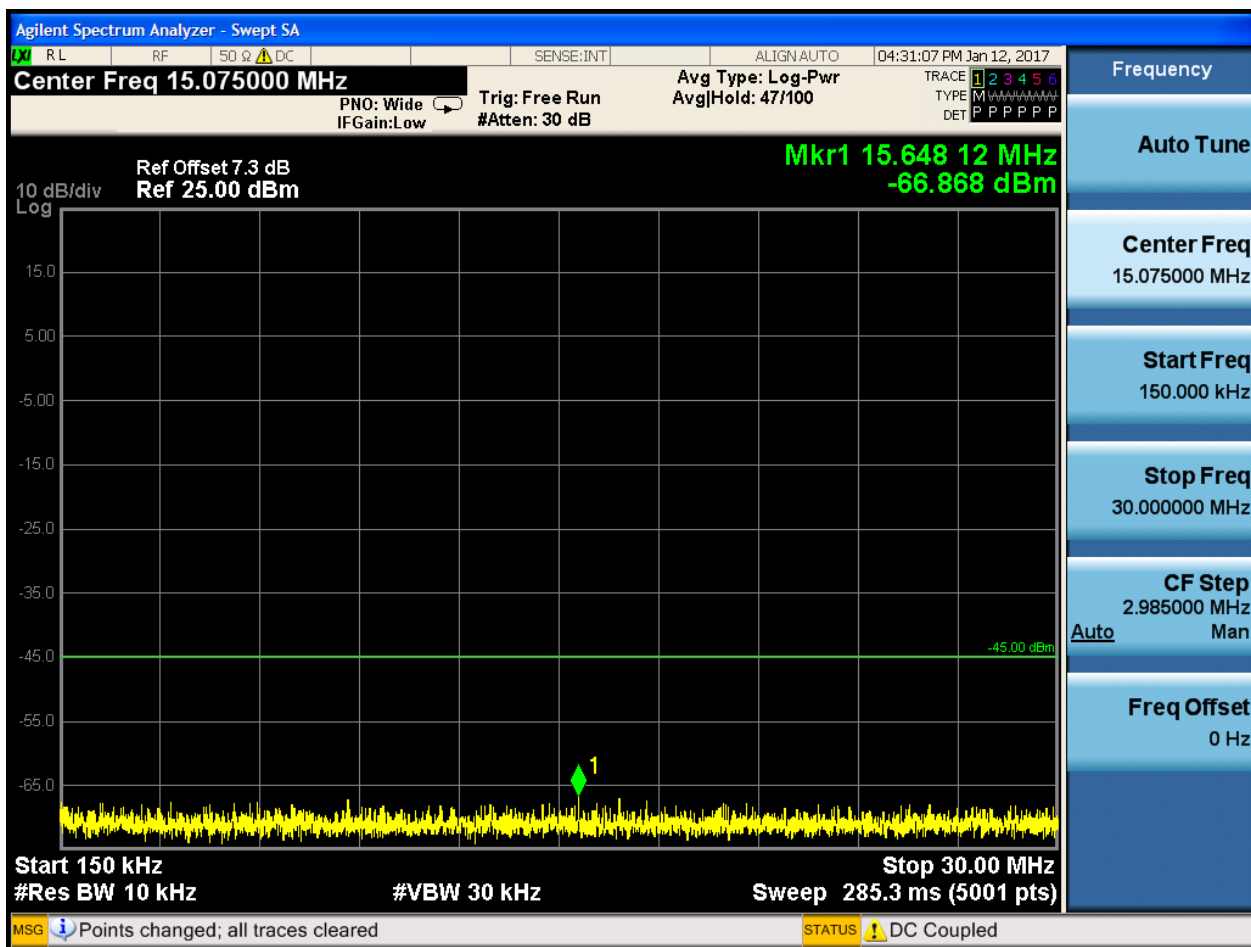
## 6.1.1.1.3.1.1 Test RB = RB1#0

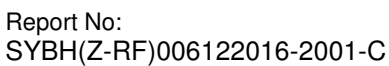
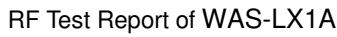


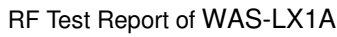


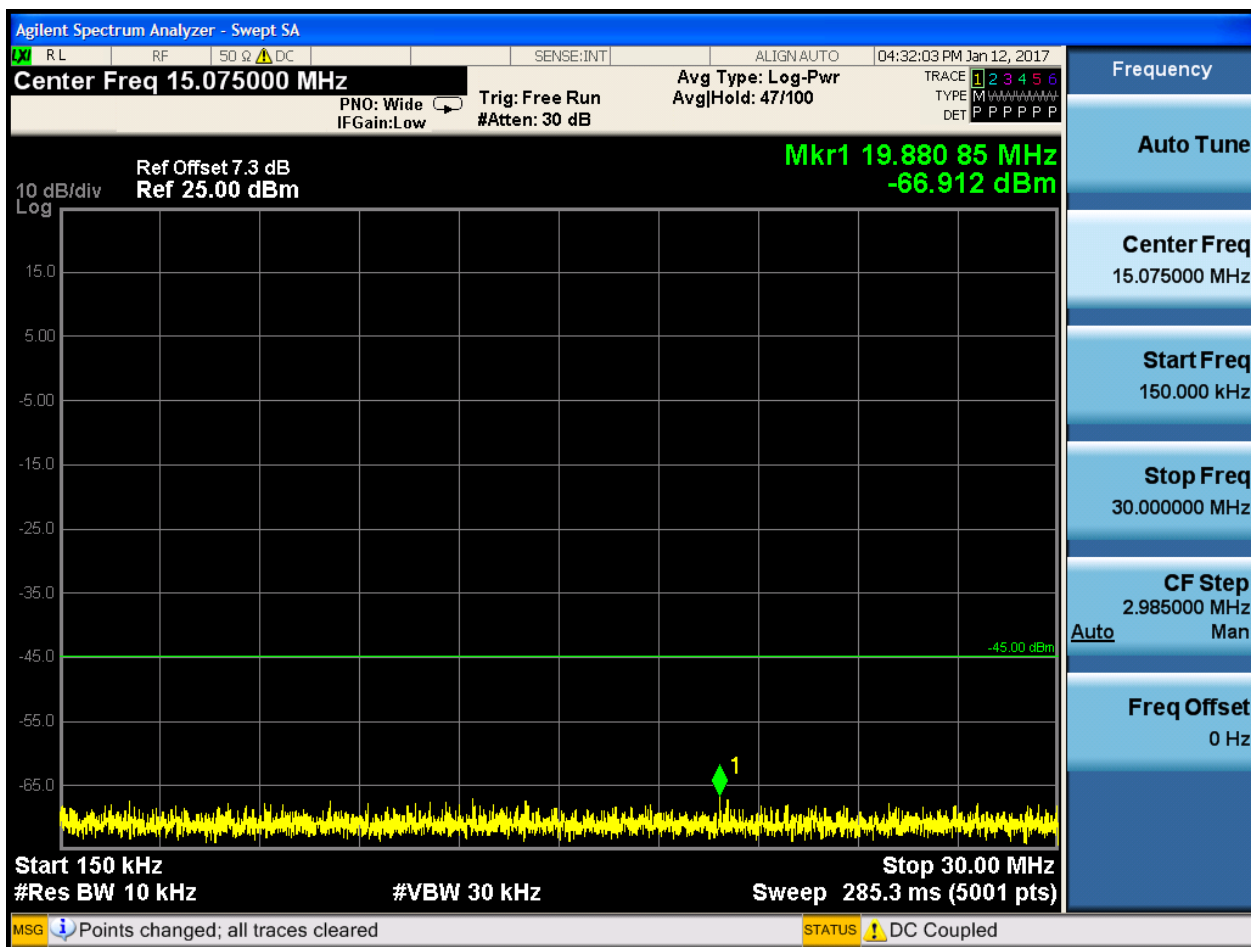
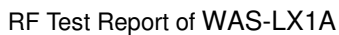


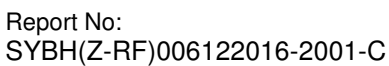
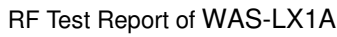










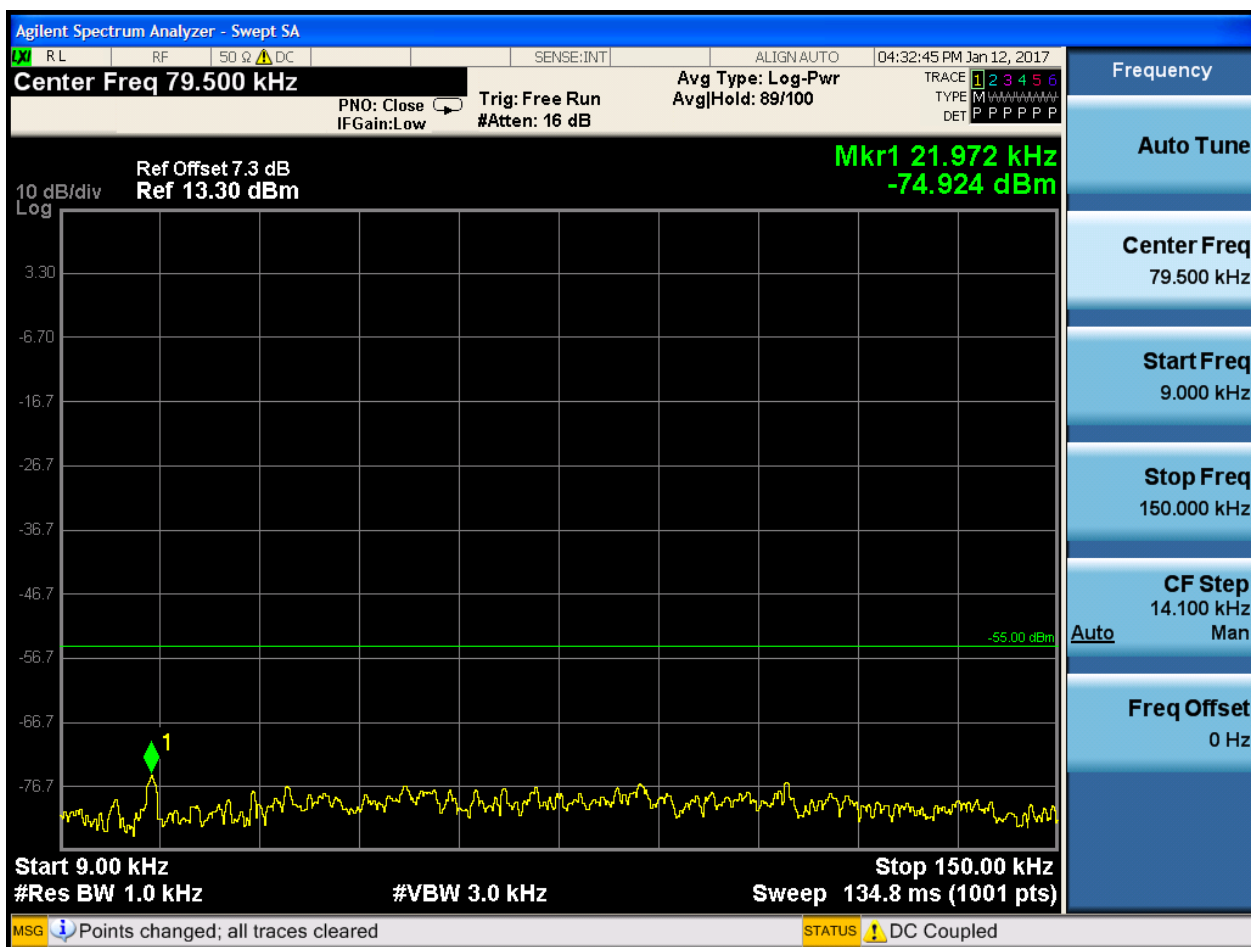


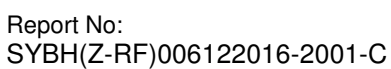
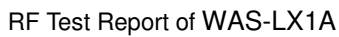


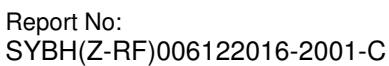
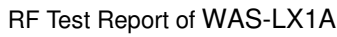
## 6.1.1.1.4 Test Bandwidth = 20

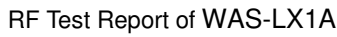
## 6.1.1.1.4.1 Test Channel = LCH

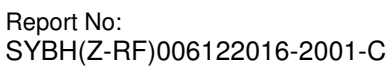
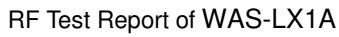
## 6.1.1.1.4.1.1 Test RB = RB1#0

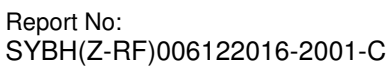
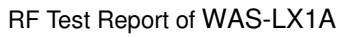








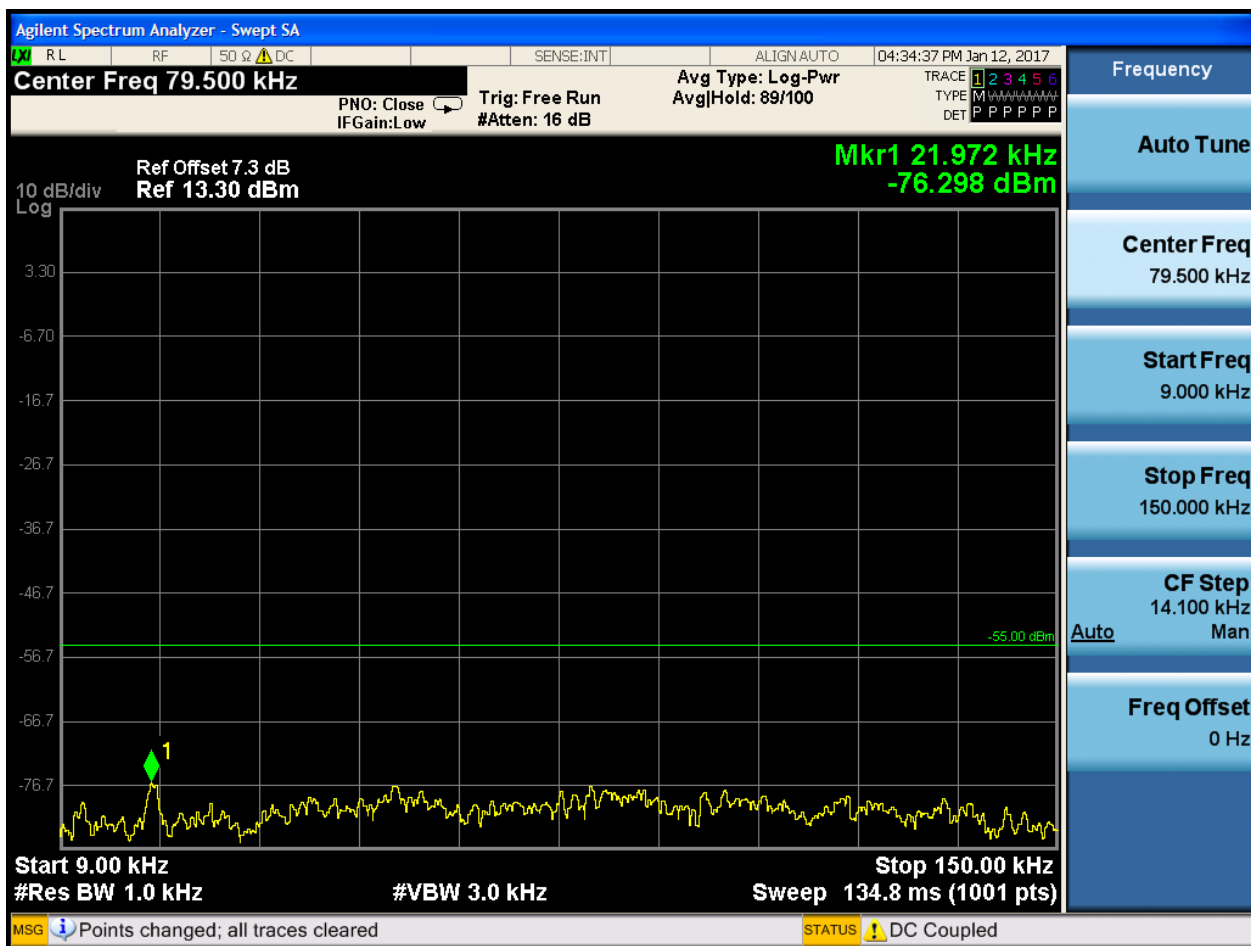




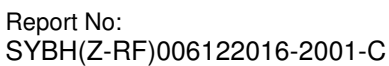
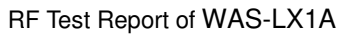


## 6.1.1.1.4.3 Test Channel = HCH

## 6.1.1.1.4.3.1 Test RB = RB1#0







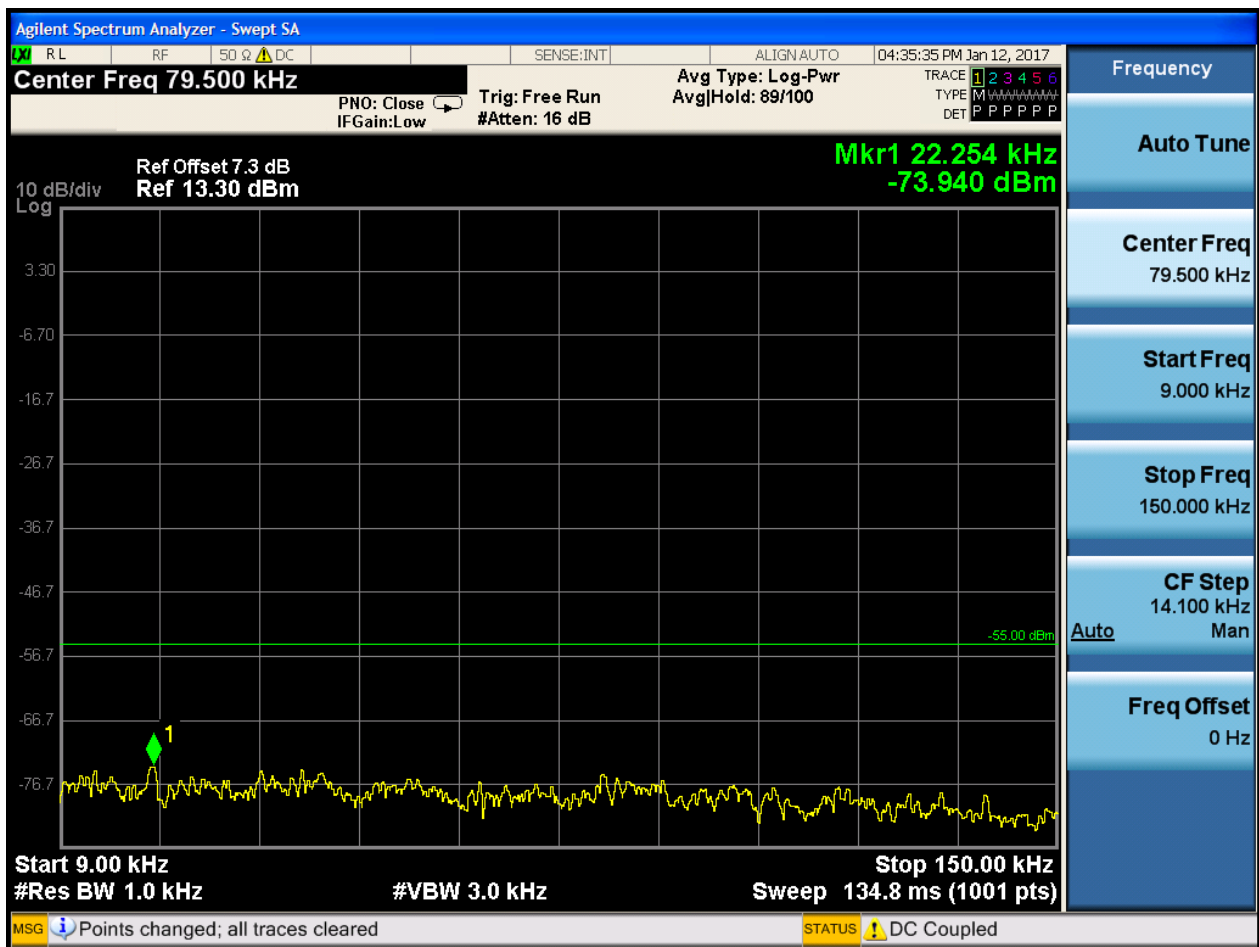


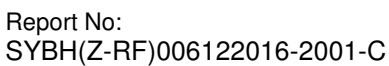
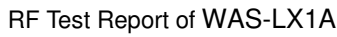
## 6.1.1.2 Test Mode = LTE/TM2

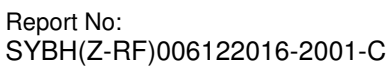
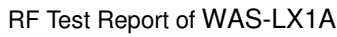
## 6.1.1.2.1 Test Bandwidth = 5

## 6.1.1.2.1.1 Test Channel = LCH

## 6.1.1.2.1.1.1 Test RB = RB1#0



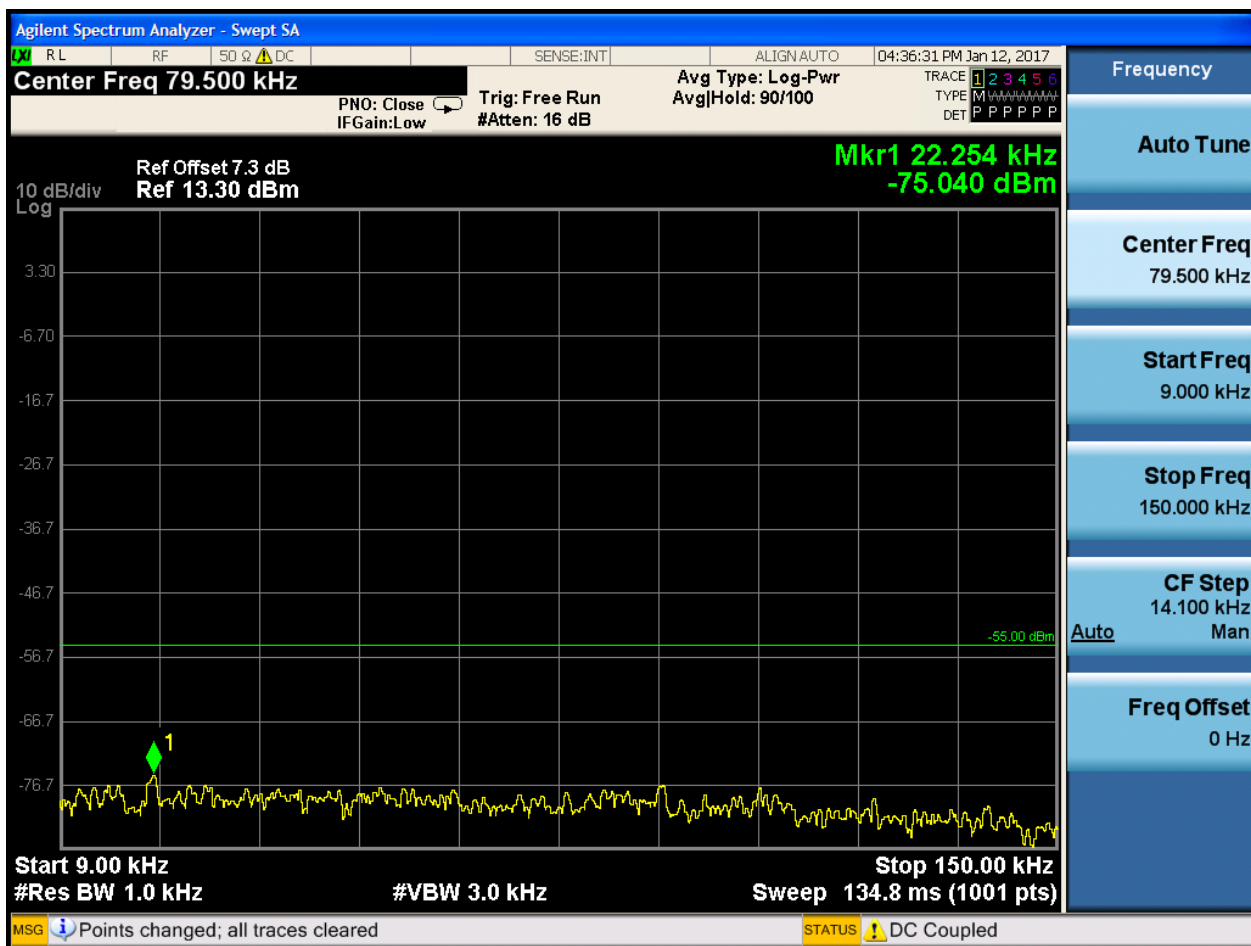




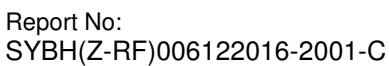
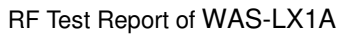


## 6.1.1.2.1.2 Test Channel = MCH

## 6.1.1.2.1.2.1 Test RB = RB1#0

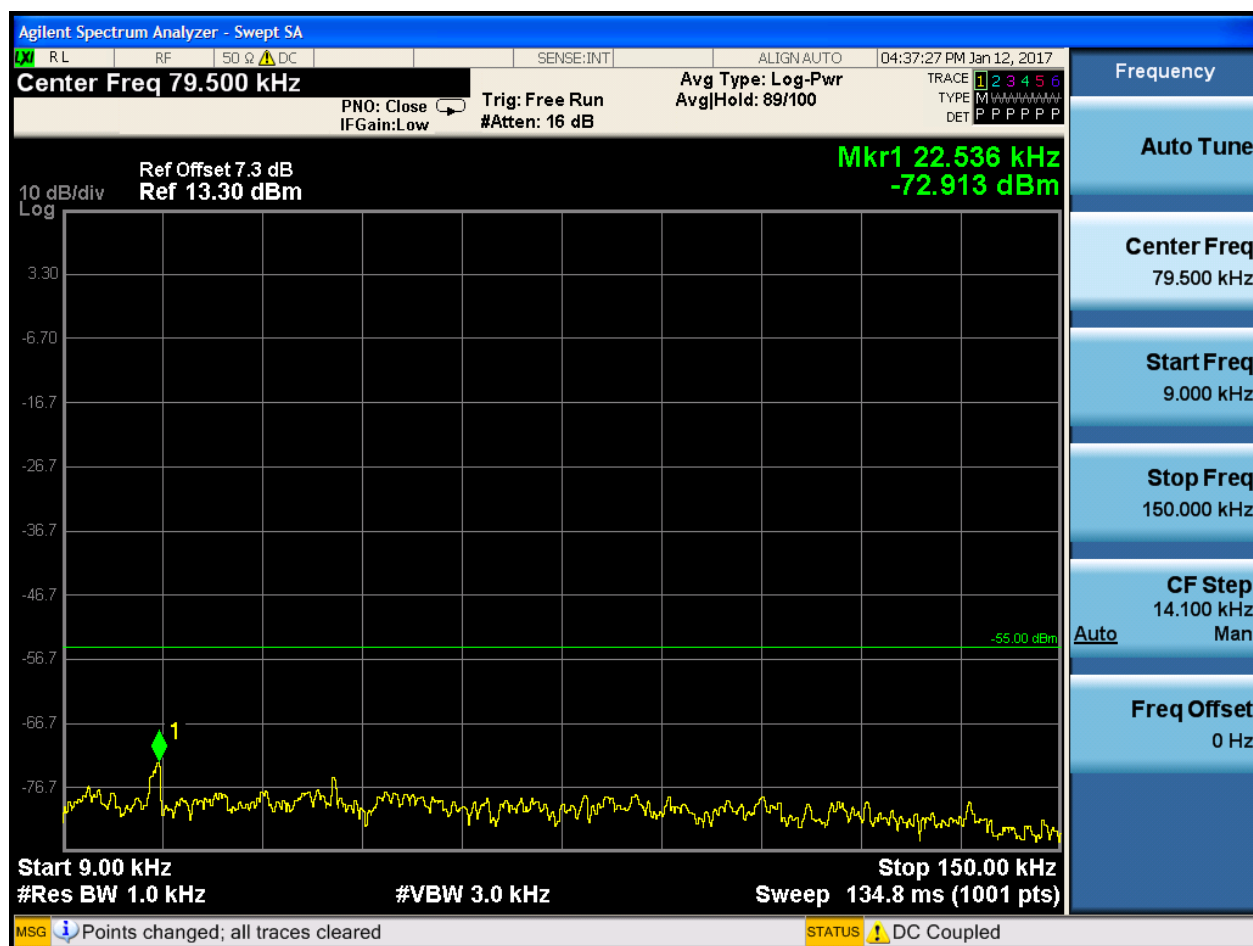


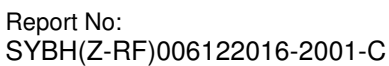
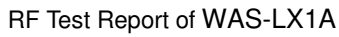


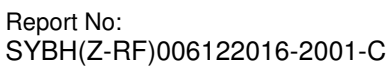
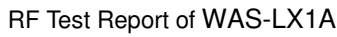


#### 6.1.1.2.1.3 Test Channel = HCH

#### 6.1.1.2.1.3.1 Test RB = RB1#0





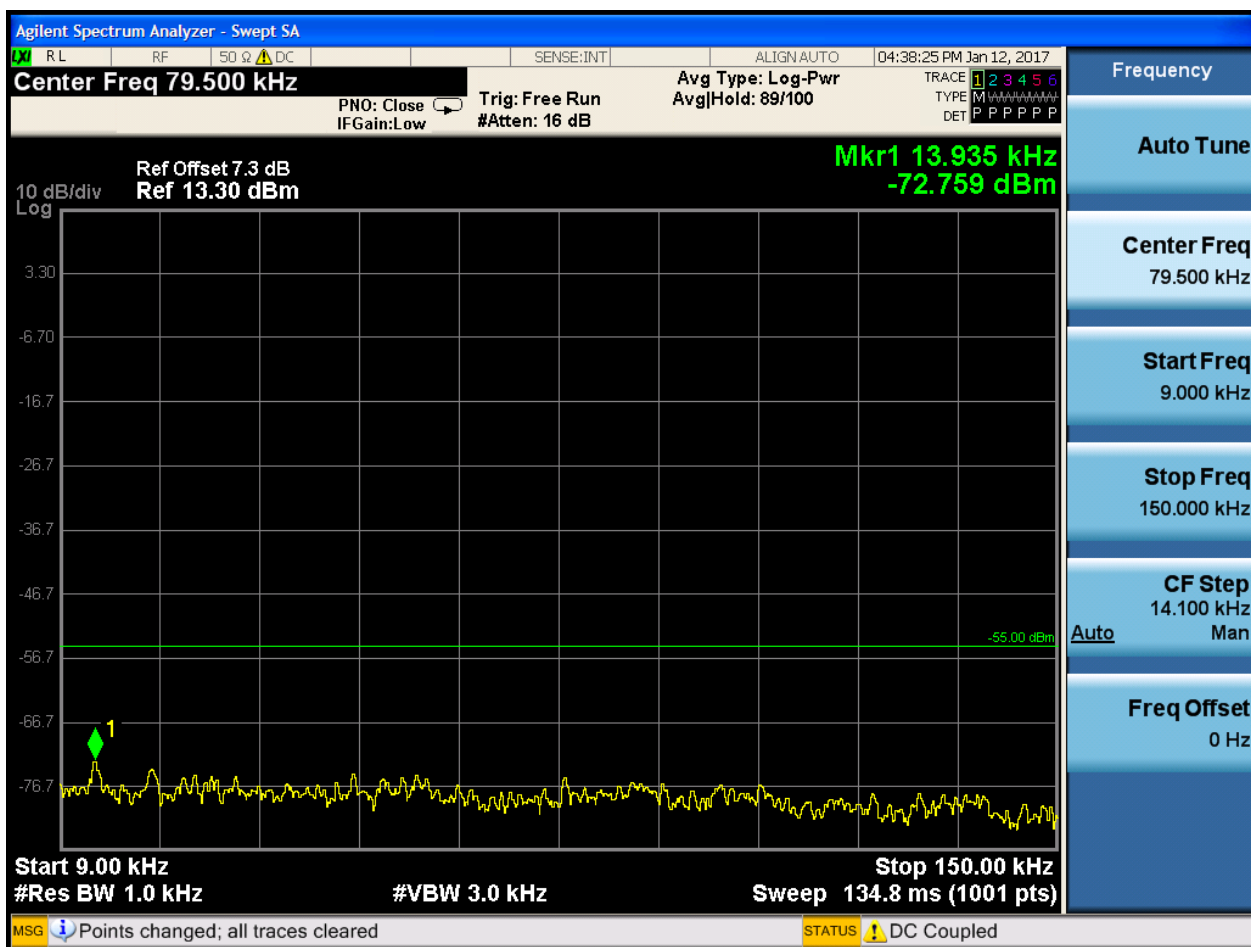


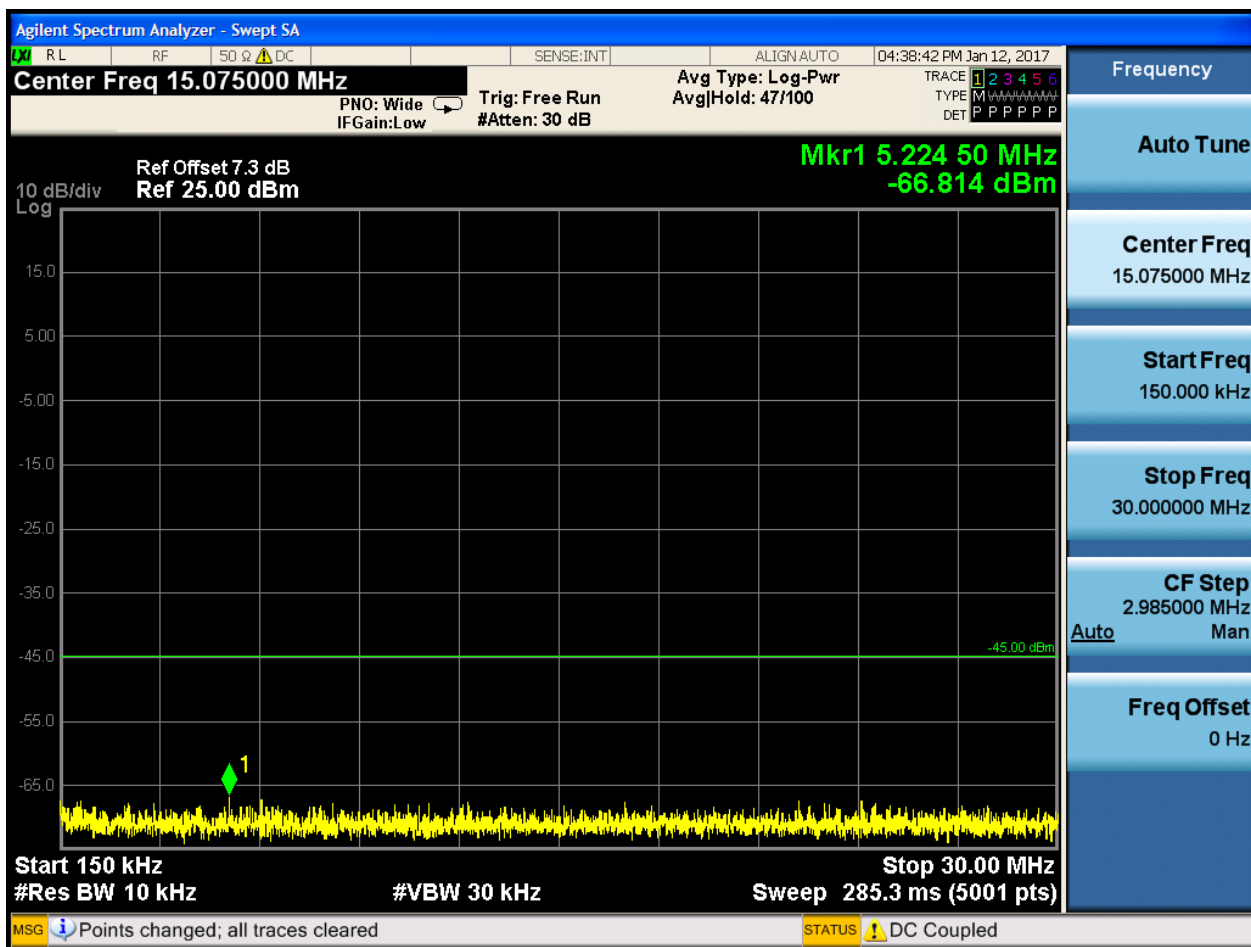


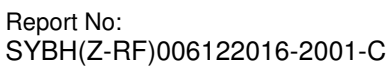
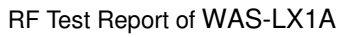
## 6.1.1.2.2 Test Bandwidth = 10

## 6.1.1.2.2.1 Test Channel = LCH

## 6.1.1.2.2.1.1 Test RB = RB1#0







#### 6.1.1.2.2.2 Test Channel = MCH

#### 6.1.1.2.2.2.1 Test RB = RB1#0

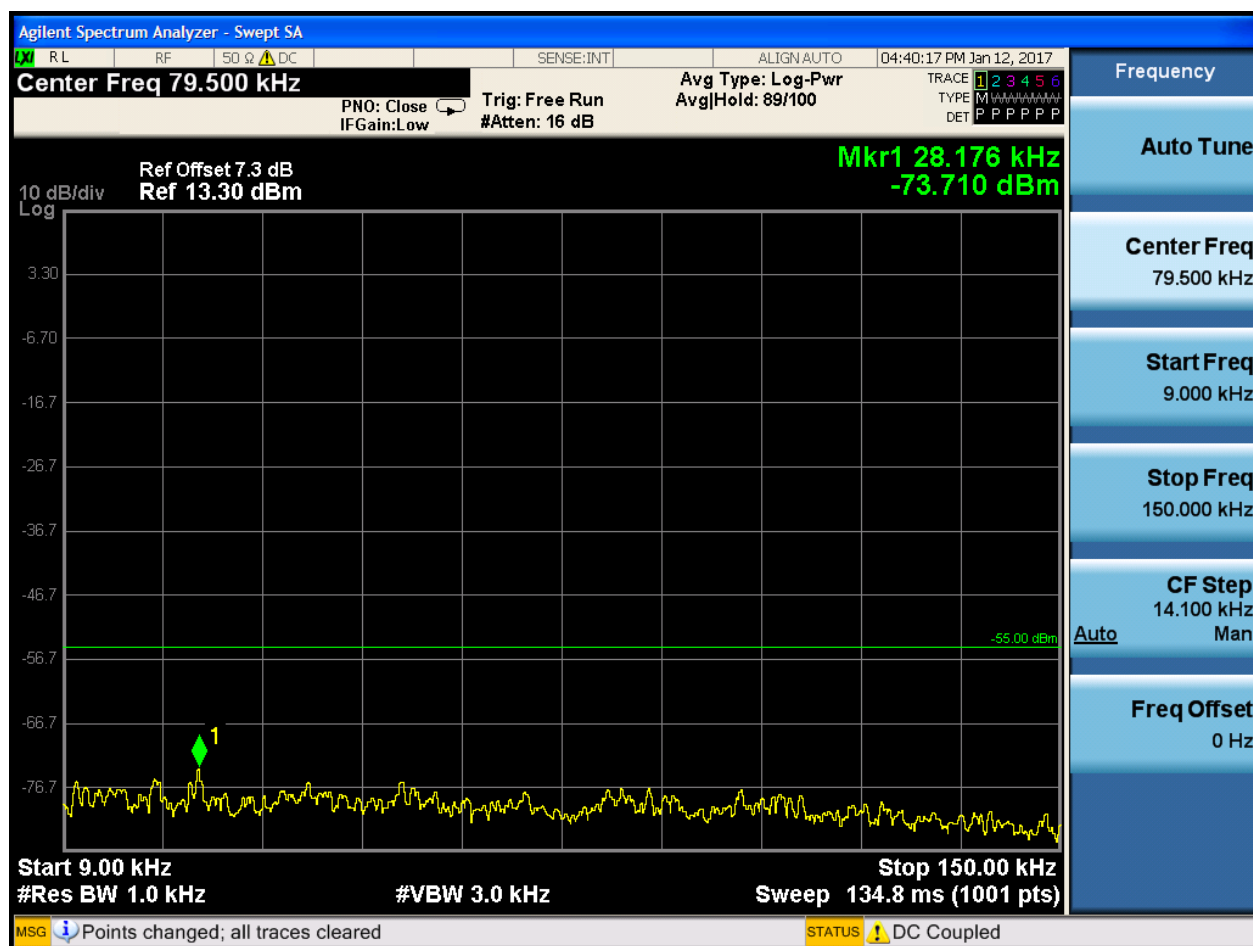




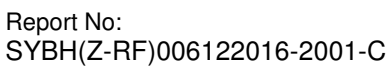
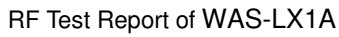


#### 6.1.1.2.2.3 Test Channel = HCH

#### 6.1.1.2.2.3.1 Test RB = RB1#0





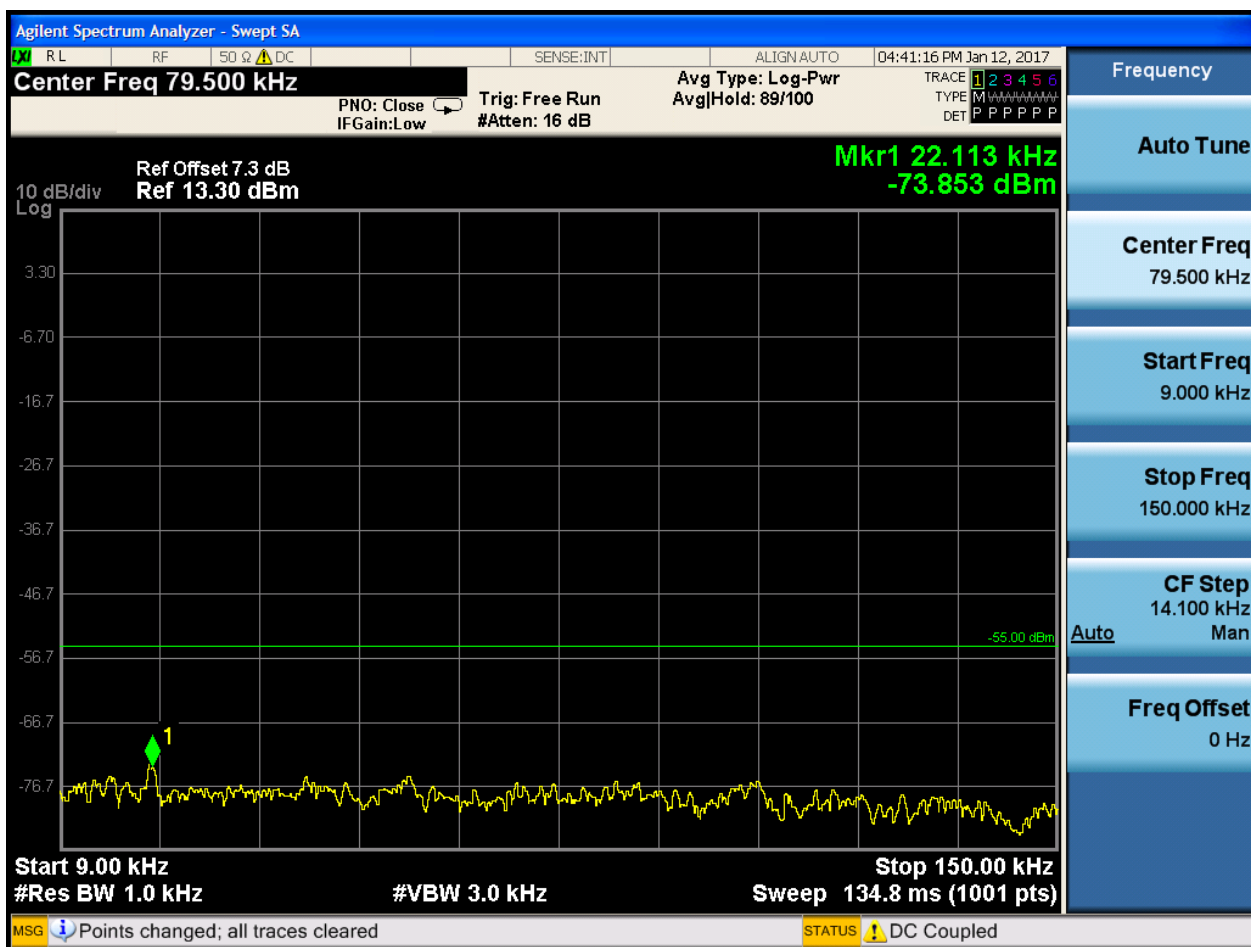


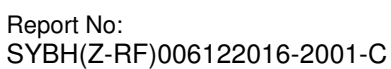
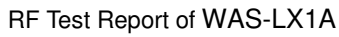


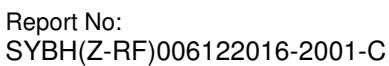
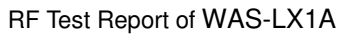
## 6.1.1.2.3 Test Bandwidth = 15

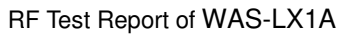
## 6.1.1.2.3.1 Test Channel = LCH

## 6.1.1.2.3.1.1 Test RB = RB1#0

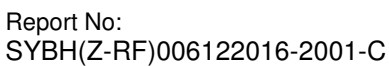
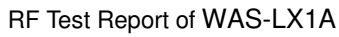








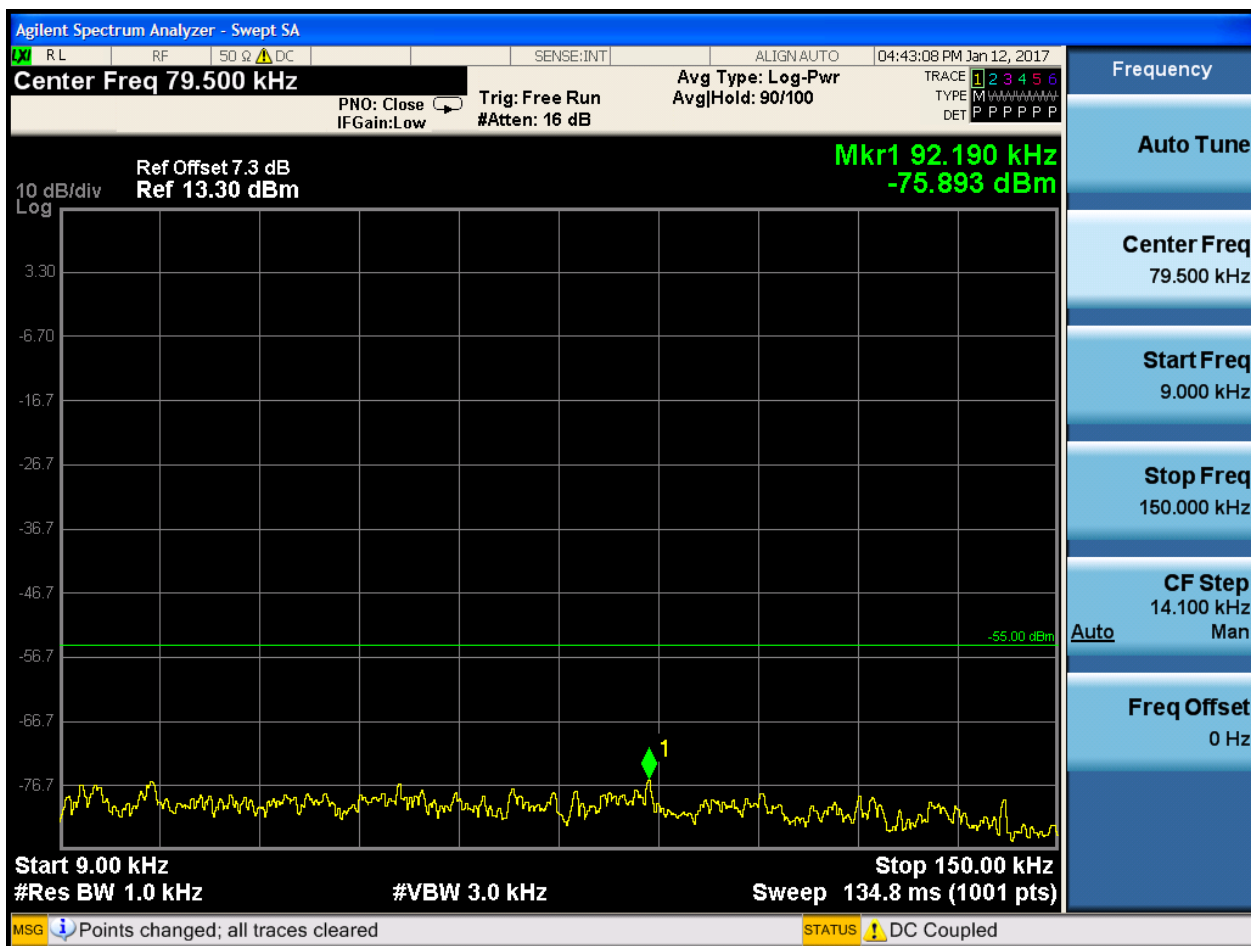


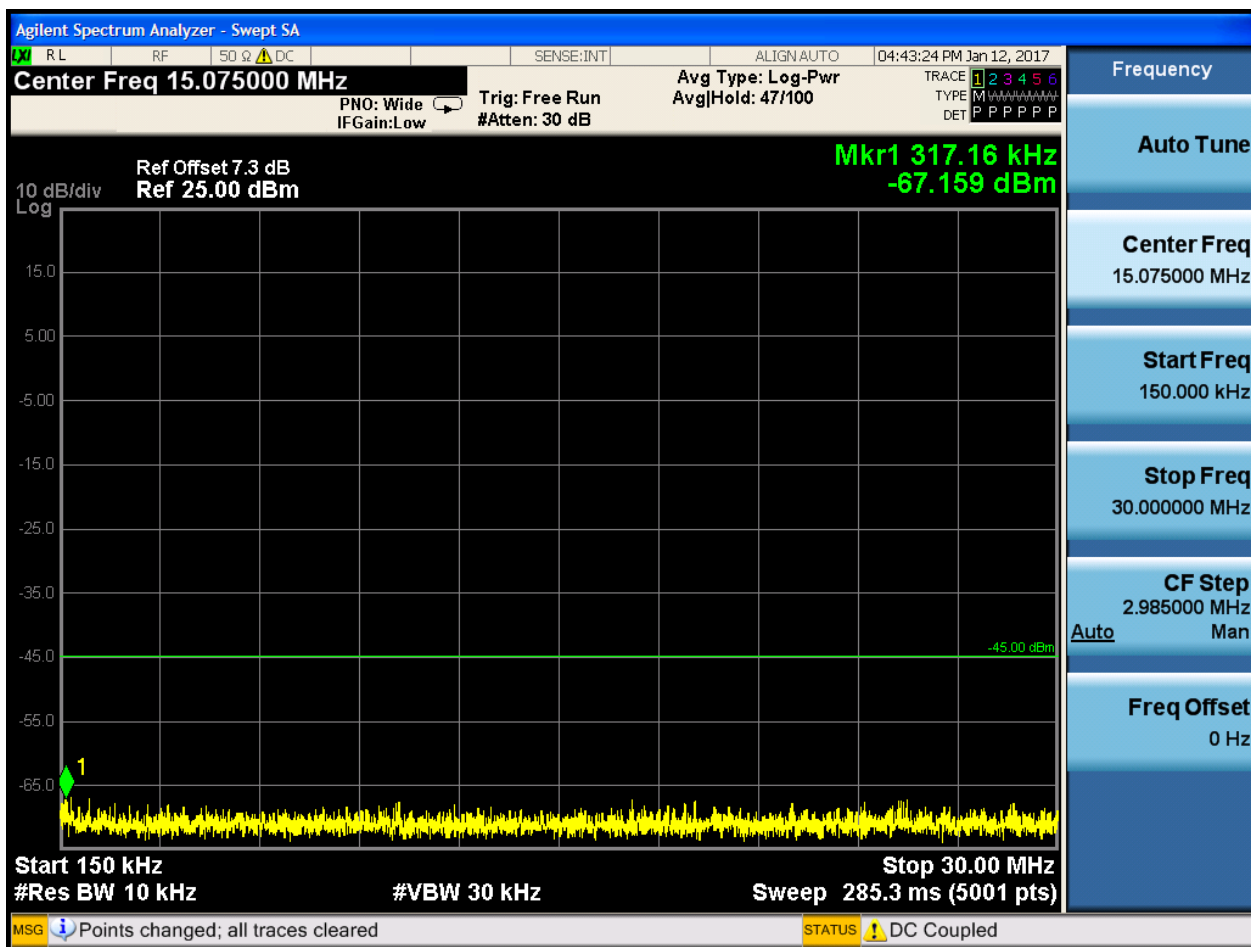


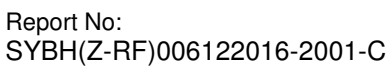
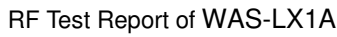


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0





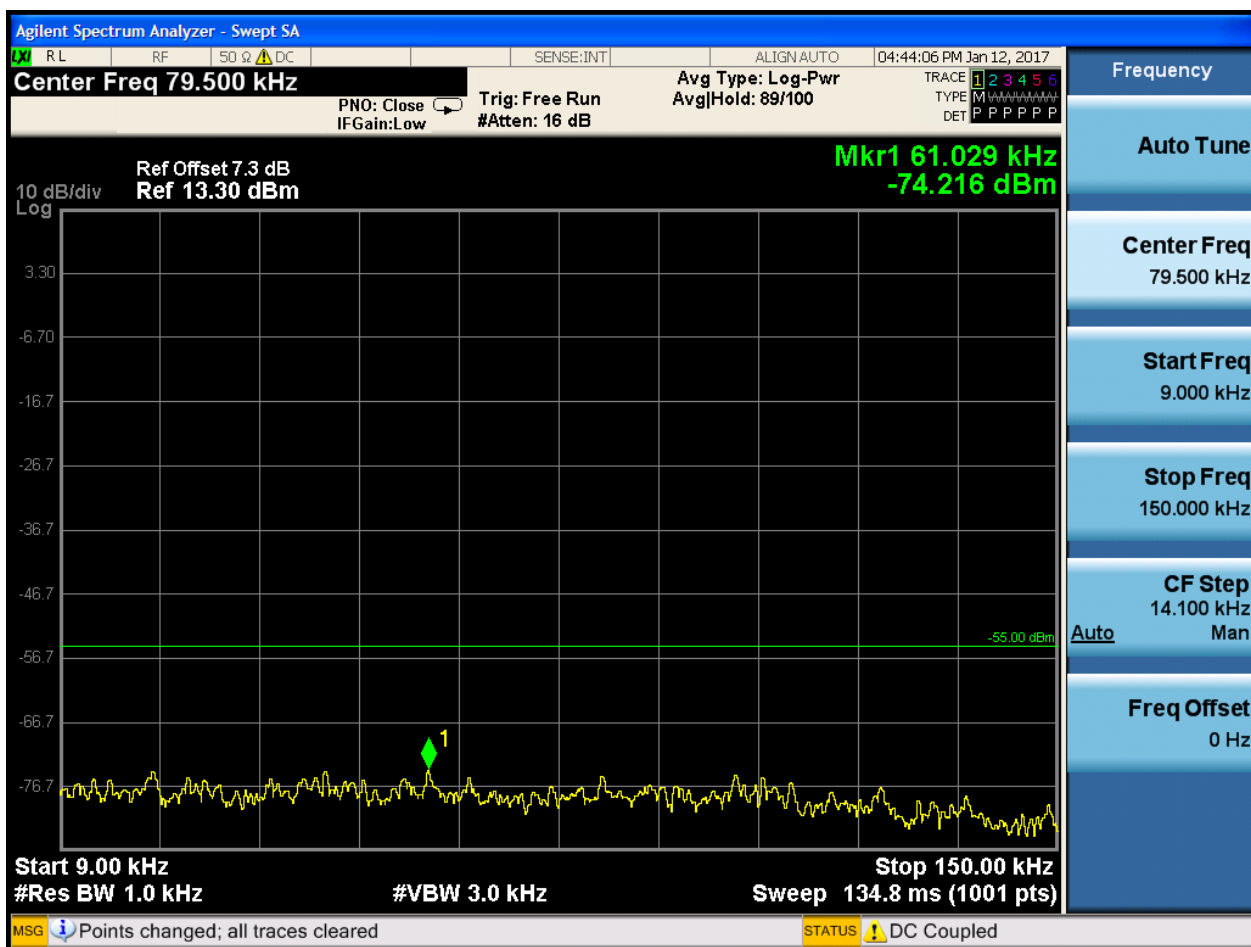


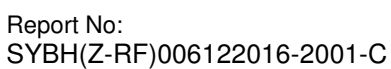
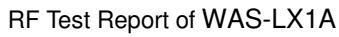


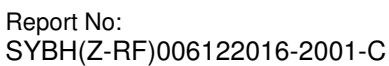
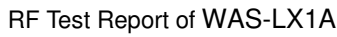
## 6.1.1.2.4 Test Bandwidth = 20

## 6.1.1.2.4.1 Test Channel = LCH

## 6.1.1.2.4.1.1 Test RB = RB1#0



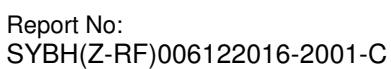
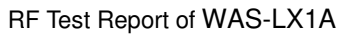


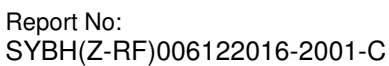
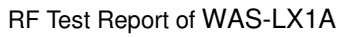


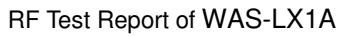
#### 6.1.1.2.4.2 Test Channel = MCH

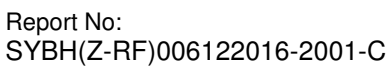
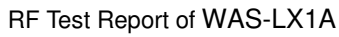
#### 6.1.1.2.4.2.1 Test RB = RB1#0

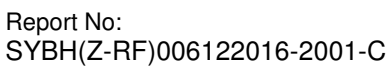
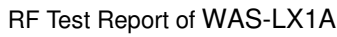












## 7Appendix\_G: Field Strength of Spurious Radiation

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

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

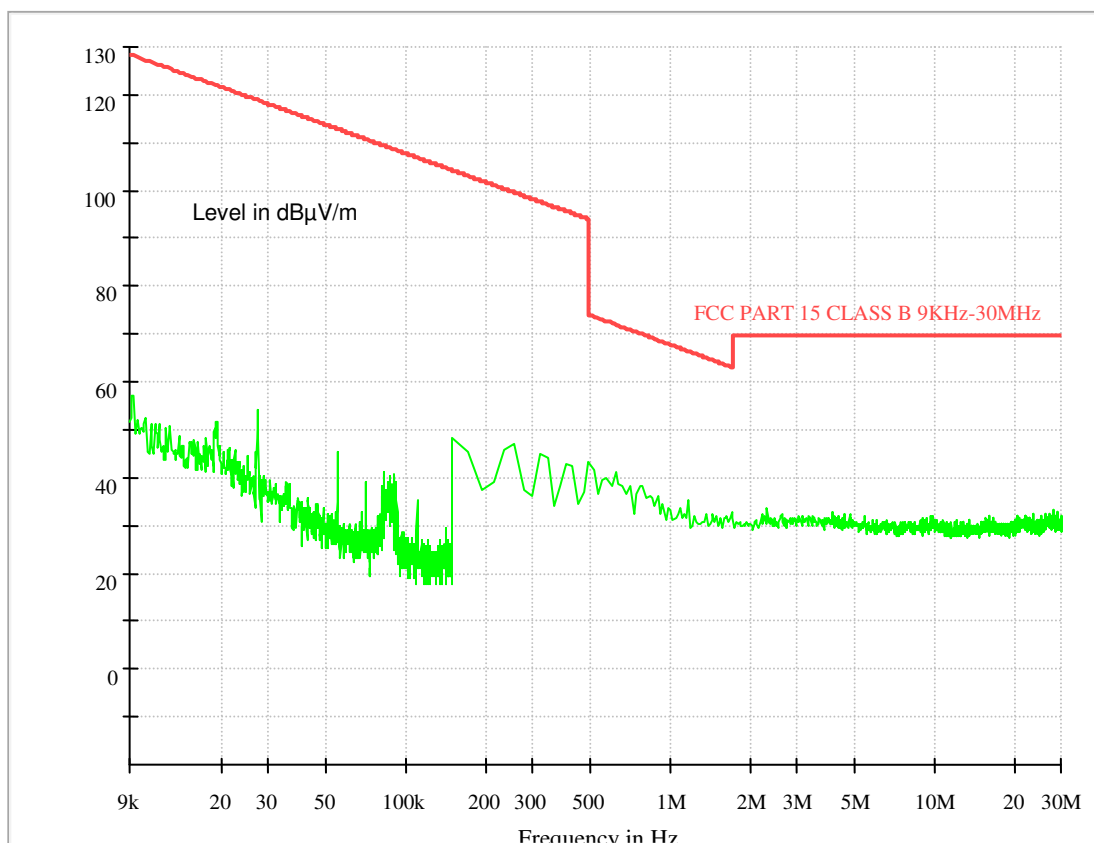
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

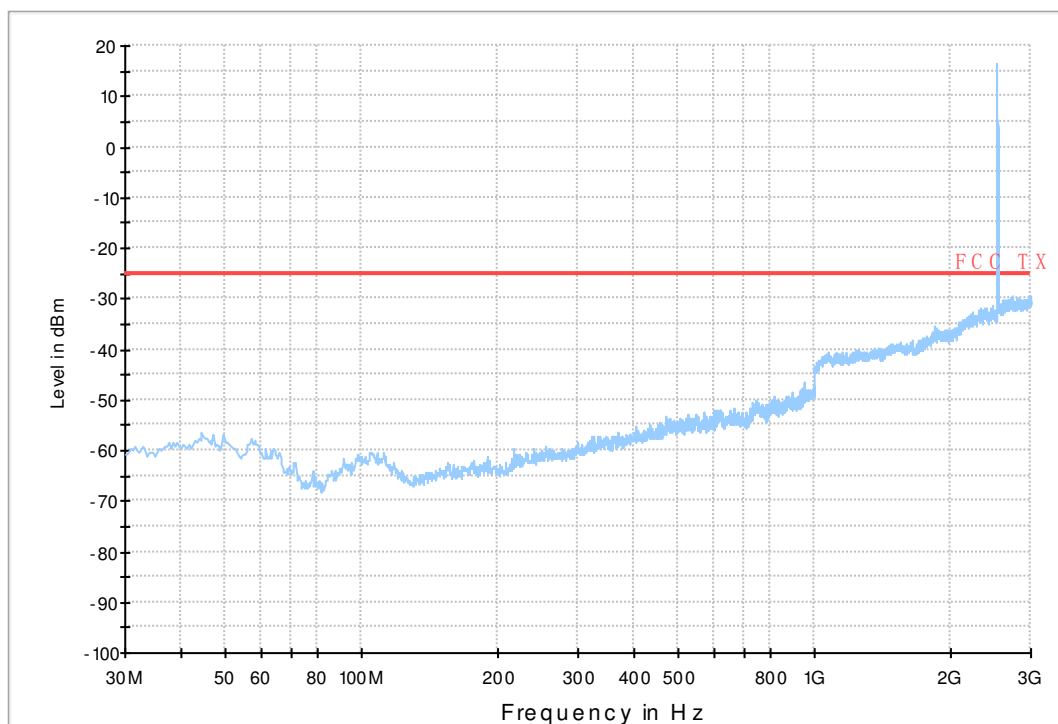
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND7

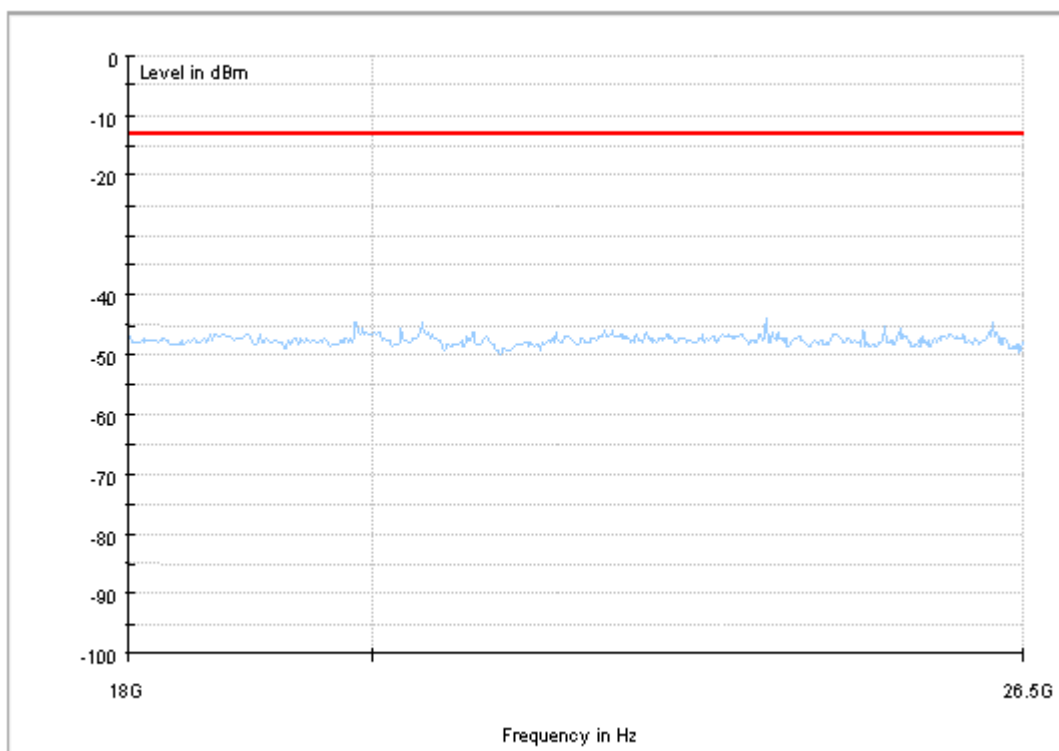
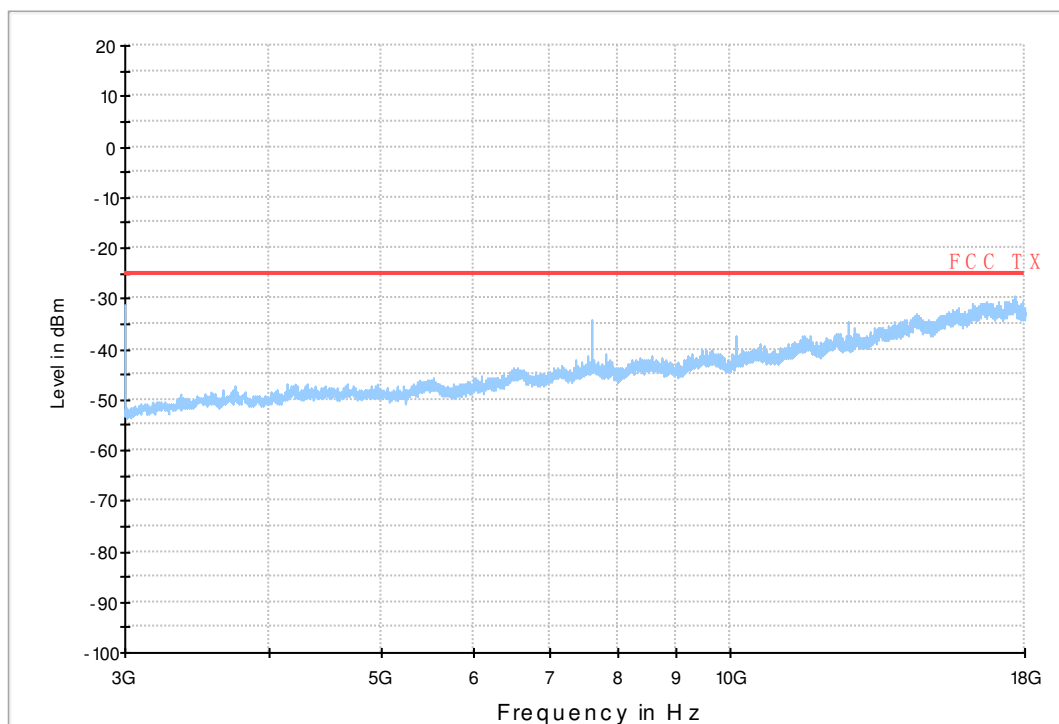
##### 7.1.1.1 Test Bandwidth = 5



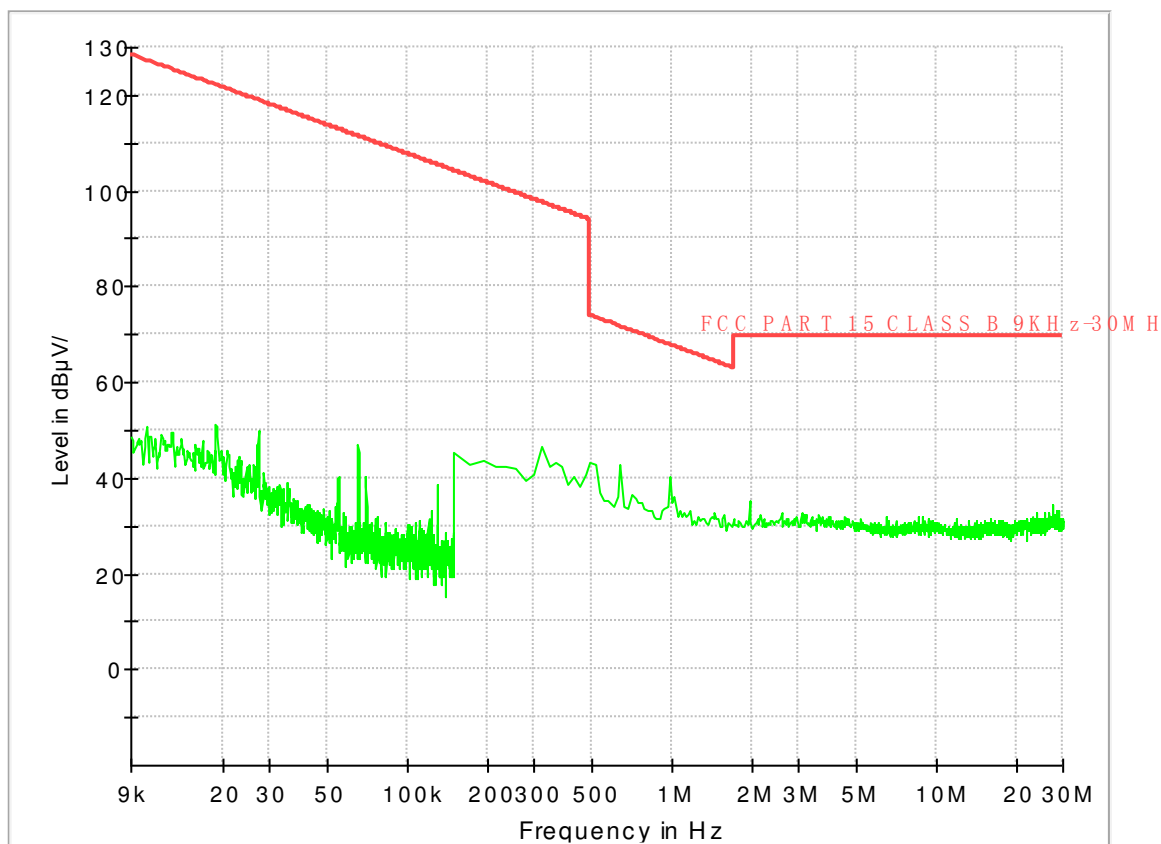
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



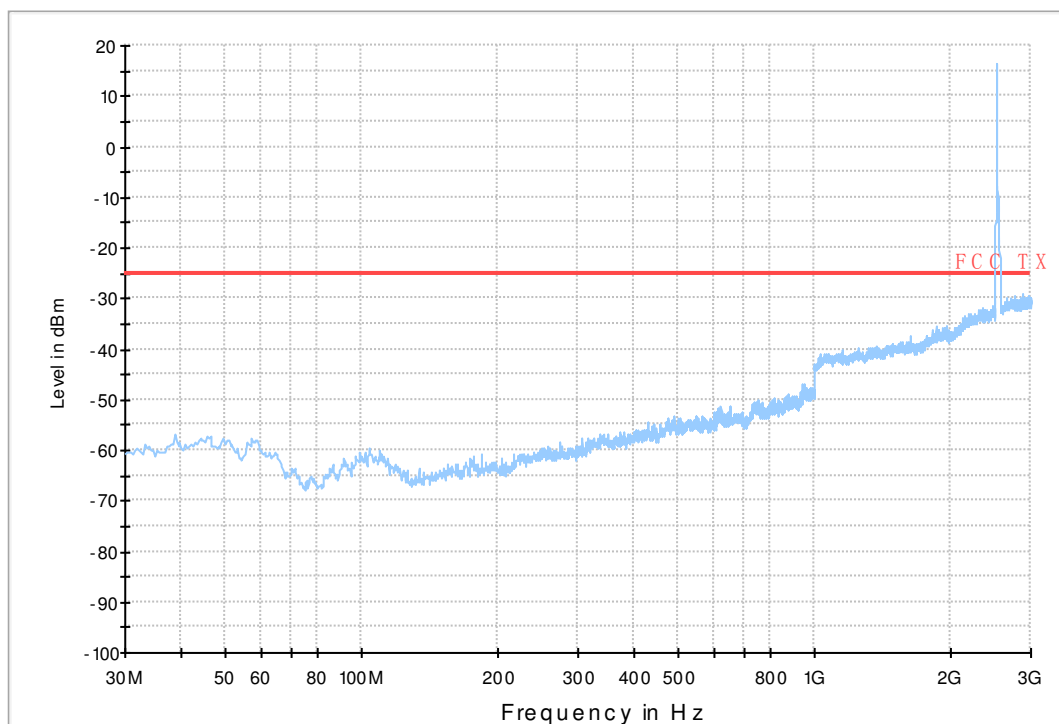
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



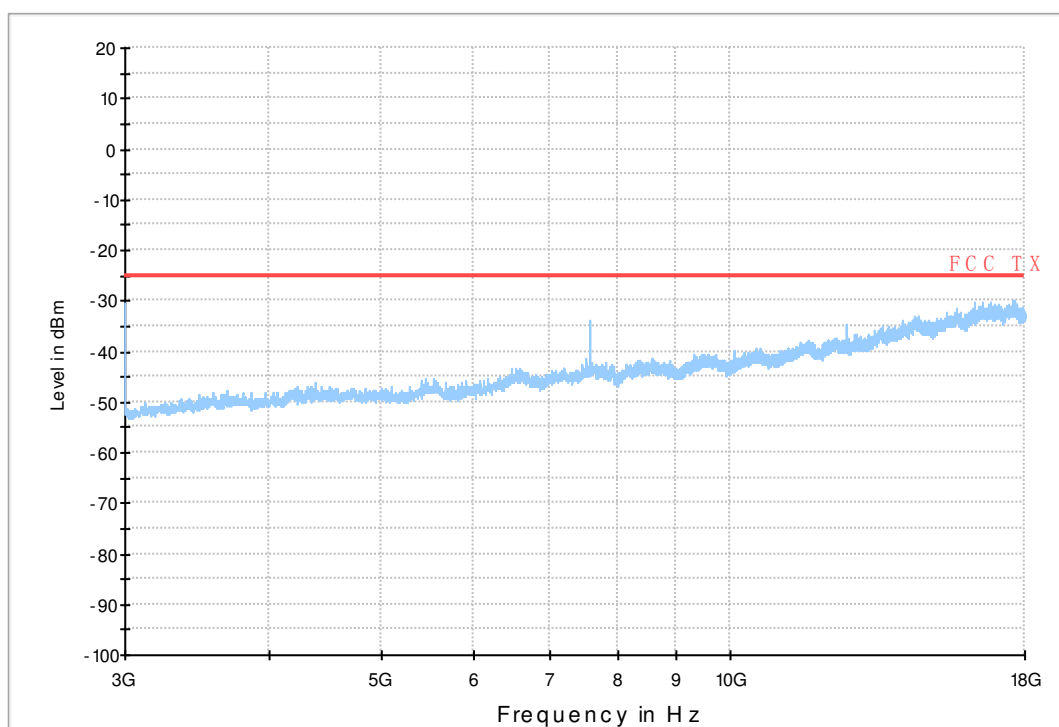
### 7.1.1.2 Test Bandwidth = 20

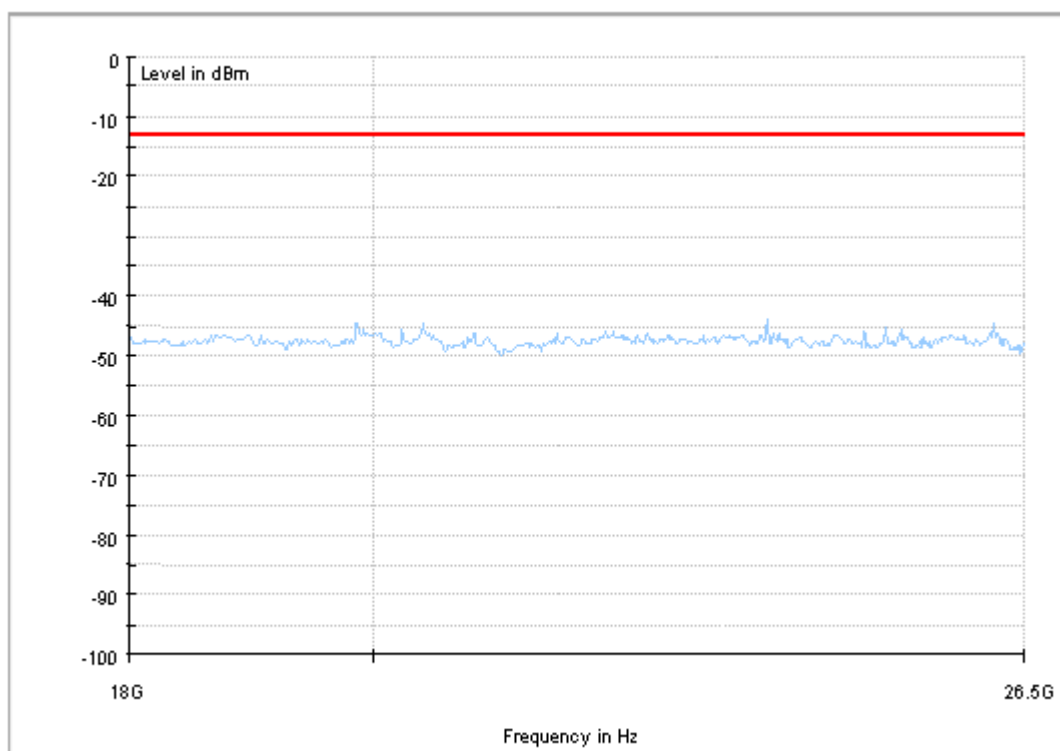


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND7     | LTE/TM1   | 5                    | LCH          | TN         | VL         | 0.90             | 0.00036               | PASS    |
|           |           |                      |              |            | VN         | 1.36             | 0.00054               | PASS    |
|           |           |                      |              |            | VH         | -1.26            | -0.0005               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -2.60            | -0.00103              | PASS    |
|           |           |                      |              |            | VN         | 4.08             | 0.00161               | PASS    |
|           |           |                      |              |            | VH         | -21.90           | -0.00864              | PASS    |
|           |           |                      | HCH          | TN         | VL         | 5.39             | 0.0021                | PASS    |
|           |           |                      |              |            | VN         | -5.01            | -0.00195              | PASS    |
|           |           |                      |              |            | VH         | -2.90            | -0.00113              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | 0.93             | 0.00037               | PASS    |
|           |           |                      |              |            | VN         | -1.80            | -0.00072              | PASS    |
|           |           |                      |              |            | VH         | -1.27            | -0.00051              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 1.46             | 0.00058               | PASS    |
|           |           |                      |              |            | VN         | -0.84            | -0.00033              | PASS    |
|           |           |                      |              |            | VH         | 0.26             | 0.0001                | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.05            | -0.0008               | PASS    |
|           |           |                      |              |            | VN         | -1.85            | -0.00072              | PASS    |
|           |           |                      |              |            | VH         | -1.27            | -0.0005               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | 1.60             | 0.00064               | PASS    |
|           |           |                      |              |            | VN         | -1.46            | -0.00058              | PASS    |
|           |           |                      |              |            | VH         | -1.07            | -0.00043              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 0.54             | 0.00021               | PASS    |
|           |           |                      |              |            | VN         | 0.47             | 0.00019               | PASS    |
|           |           |                      |              |            | VH         | -0.90            | -0.00036              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -2.40            | -0.00094              | PASS    |
|           |           |                      |              |            | VN         | -1.92            | -0.00075              | PASS    |
|           |           |                      |              |            | VH         | -0.06            | -0.00002              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | -3.32            | -0.00132              | PASS    |
|           |           |                      |              |            | VN         | -2.43            | -0.00097              | PASS    |
|           |           |                      |              |            | VH         | -2.83            | -0.00113              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 2.03             | 0.0008                | 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         | VN         | 0.80             | 0.00032               | PASS    |
|           |           |                      |              |            | VH         | 0.31             | 0.00012               | PASS    |
|           |           |                      |              |            | VL         | -1.33            | -0.00052              | PASS    |
|           |           |                      |              |            | VN         | -1.47            | -0.00057              | PASS    |
|           |           |                      |              |            | VH         | -2.12            | -0.00083              | PASS    |
|           |           | 5                    | LCH          | TN         | VL         | -6.34            | -0.00253              | PASS    |
|           |           |                      |              |            | VN         | 0.31             | 0.00012               | PASS    |
|           |           |                      |              |            | VH         | 0.92             | 0.00037               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -5.08            | -0.002                | PASS    |
|           |           |                      |              |            | VN         | -2.26            | -0.00089              | PASS    |
|           |           |                      |              |            | VH         | 5.19             | 0.00205               | PASS    |
|           |           |                      | HCH          | TN         | VL         | 3.60             | 0.0014                | PASS    |
|           |           |                      |              |            | VN         | -1.99            | -0.00078              | PASS    |
|           |           |                      |              |            | VH         | -11.36           | -0.00442              | PASS    |
|           |           | 10                   | LCH          | TN         | VL         | -0.86            | -0.00034              | PASS    |
|           |           |                      |              |            | VN         | 0.67             | 0.00027               | PASS    |
|           |           |                      |              |            | VH         | 2.70             | 0.00108               | PASS    |
|           |           |                      | MCH          | TN         | VL         | 1.19             | 0.00047               | PASS    |
|           |           |                      |              |            | VN         | -1.82            | -0.00072              | PASS    |
|           |           |                      |              |            | VH         | 1.50             | 0.00059               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.30            | -0.00051              | PASS    |
|           |           |                      |              |            | VN         | -1.24            | -0.00048              | PASS    |
|           |           |                      |              |            | VH         | 2.59             | 0.00101               | PASS    |
|           |           | 15                   | LCH          | TN         | VL         | -1.33            | -0.00053              | PASS    |
|           |           |                      |              |            | VN         | -0.54            | -0.00022              | PASS    |
|           |           |                      |              |            | VH         | -3.69            | -0.00147              | PASS    |
|           |           |                      | MCH          | TN         | VL         | 3.20             | 0.00126               | PASS    |
|           |           |                      |              |            | VN         | -0.24            | -0.00009              | PASS    |
|           |           |                      |              |            | VH         | -1.60            | -0.00063              | PASS    |
|           |           |                      | HCH          | TN         | VL         | -0.99            | -0.00039              | PASS    |
|           |           |                      |              |            | VN         | -3.58            | -0.0014               | PASS    |
|           |           |                      |              |            | VH         | -2.27            | -0.00089              | PASS    |
|           |           | 20                   | LCH          | TN         | VL         | 0.66             | 0.00026               | PASS    |
|           |           |                      |              |            | VN         | -0.36            | -0.00014              | PASS    |
|           |           |                      |              |            | VH         | 2.07             | 0.00082               | PASS    |
|           |           |                      | MCH          | TN         | VL         | -1.44            | -0.00057              | PASS    |
|           |           |                      |              |            | VN         | 1.29             | 0.00051               | PASS    |
|           |           |                      |              |            | VH         | 3.08             | 0.00121               | PASS    |
|           |           |                      | HCH          | TN         | VL         | -1.59            | -0.00062              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | VN         | -2.19            | -0.00086              | PASS    |
|           |           |                      |              |            | VH         | 2.99             | 0.00117               | 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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND7     | LTE/TM1   | 5                    | LCH          | VN         | -30        | -1.70            | -0.00068              | PASS    |
|           |           |                      |              |            | -20        | -1.40            | -0.00056              | PASS    |
|           |           |                      |              |            | -10        | -2.59            | -0.00103              | PASS    |
|           |           |                      |              |            | 0          | -1.50            | -0.0006               | PASS    |
|           |           |                      |              |            | 10         | -5.69            | -0.00227              | PASS    |
|           |           |                      |              |            | 20         | 3.29             | 0.00131               | PASS    |
|           |           |                      |              |            | 30         | -3.28            | -0.00131              | PASS    |
|           |           |                      |              |            | 40         | -5.68            | -0.00227              | PASS    |
|           |           |                      |              |            | 50         | -1.50            | -0.0006               | PASS    |
|           |           |                      | MCH          | VN         | -30        | -5.88            | -0.00232              | PASS    |
|           |           |                      |              |            | -20        | -3.19            | -0.00126              | PASS    |
|           |           |                      |              |            | -10        | -1.92            | -0.00076              | PASS    |
|           |           |                      |              |            | 0          | -0.46            | -0.00018              | PASS    |
|           |           |                      |              |            | 10         | -10.79           | -0.00426              | PASS    |
|           |           |                      |              |            | 20         | -16.21           | -0.00639              | PASS    |
|           |           |                      |              |            | 30         | -0.73            | -0.00029              | PASS    |
|           |           |                      |              |            | 40         | -0.47            | -0.00019              | PASS    |
|           |           |                      |              |            | 50         | 2.03             | 0.0008                | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.96            | -0.00076              | PASS    |
|           |           |                      |              |            | -20        | -8.93            | -0.00348              | PASS    |
|           |           |                      |              |            | -10        | 2.93             | 0.00114               | PASS    |
|           |           |                      |              |            | 0          | -2.16            | -0.00084              | PASS    |
|           |           |                      |              |            | 10         | -4.58            | -0.00178              | PASS    |
|           |           |                      |              |            | 20         | -6.14            | -0.00239              | PASS    |
|           |           |                      |              |            | 30         | -5.38            | -0.0021               | PASS    |
|           |           |                      |              |            | 40         | -3.65            | -0.00142              | PASS    |
|           |           |                      |              |            | 50         | -1.26            | -0.00049              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | 1.23             | 0.00049               | PASS    |
|           |           |                      |              |            | -20        | 0.36             | 0.00014               | PASS    |
|           |           |                      |              |            | -10        | -4.68            | -0.00187              | PASS    |
|           |           |                      |              |            | 0          | 0.72             | 0.00029               | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10         | -4.16            | -0.00166              | PASS    |
|           |           |                      |              |            | 20         | 1.59             | 0.00063               | PASS    |
|           |           |                      |              |            | 30         | 0.53             | 0.00021               | PASS    |
|           |           |                      |              |            | 40         | -1.62            | -0.00065              | PASS    |
|           |           |                      |              |            | 50         | 1.70             | 0.00068               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.26             | 0.0005                | PASS    |
|           |           |                      |              |            | -20        | -4.41            | -0.00174              | PASS    |
|           |           |                      |              |            | -10        | 0.13             | 0.00005               | PASS    |
|           |           |                      |              |            | 0          | -0.13            | -0.00005              | PASS    |
|           |           |                      |              |            | 10         | -2.53            | -0.001                | PASS    |
|           |           |                      |              |            | 20         | 3.28             | 0.00129               | PASS    |
|           |           |                      |              |            | 30         | 1.86             | 0.00073               | PASS    |
|           |           |                      |              |            | 40         | -1.96            | -0.00077              | PASS    |
|           |           |                      |              |            | 50         | 1.70             | 0.00067               | PASS    |
|           |           |                      | HCH          | VN         | -30        | 2.92             | 0.00114               | PASS    |
|           |           |                      |              |            | -20        | -2.32            | -0.0009               | PASS    |
|           |           |                      |              |            | -10        | 0.94             | 0.00037               | PASS    |
|           |           |                      |              |            | 0          | -4.09            | -0.00159              | PASS    |
|           |           |                      |              |            | 10         | -1.90            | -0.00074              | PASS    |
|           |           |                      |              |            | 20         | -4.78            | -0.00186              | PASS    |
|           |           |                      |              |            | 30         | -4.02            | -0.00157              | PASS    |
|           |           |                      |              |            | 40         | 0.36             | 0.00014               | PASS    |
|           |           |                      |              |            | 50         | -2.53            | -0.00099              | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -5.29            | -0.00211              | PASS    |
|           |           |                      |              |            | -20        | -3.25            | -0.0013               | PASS    |
|           |           |                      |              |            | -10        | -1.22            | -0.00049              | PASS    |
|           |           |                      |              |            | 0          | -4.12            | -0.00164              | PASS    |
|           |           |                      |              |            | 10         | -3.35            | -0.00134              | PASS    |
|           |           |                      |              |            | 20         | -1.07            | -0.00043              | PASS    |
|           |           |                      |              |            | 30         | -7.62            | -0.00304              | PASS    |
|           |           |                      |              |            | 40         | -3.22            | -0.00128              | PASS    |
|           |           |                      |              |            | 50         | -2.43            | -0.00097              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -0.46            | -0.00018              | PASS    |
|           |           |                      |              |            | -20        | 2.45             | 0.00097               | PASS    |
|           |           |                      |              |            | -10        | 2.60             | 0.00103               | PASS    |
|           |           |                      |              |            | 0          | 1.77             | 0.0007                | PASS    |
|           |           |                      |              |            | 10         | 2.95             | 0.00116               | PASS    |
|           |           |                      |              |            | 20         | -1.69            | -0.00067              | PASS    |
|           |           |                      |              |            | 30         | 1.52             | 0.0006                | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 40         | 2.79             | 0.0011                | PASS    |
|           |           |                      |              |            | 50         | -1.13            | -0.00045              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 0.94             | 0.00037               | PASS    |
|           |           |                      |              |            | -20        | -1.75            | -0.00068              | PASS    |
|           |           |                      |              |            | -10        | -3.63            | -0.00142              | PASS    |
|           |           |                      |              |            | 0          | -2.96            | -0.00116              | PASS    |
|           |           |                      |              |            | 10         | -4.99            | -0.00195              | PASS    |
|           |           |                      |              |            | 20         | -4.18            | -0.00163              | PASS    |
|           |           |                      |              |            | 30         | -0.14            | -0.00005              | PASS    |
|           |           |                      |              |            | 40         | 1.39             | 0.00054               | PASS    |
|           |           |                      |              |            | 50         | -0.54            | -0.00021              | PASS    |
|           |           | 20                   | LCH          | VN         | -30        | -0.13            | -0.00005              | PASS    |
|           |           |                      |              |            | -20        | -3.36            | -0.00134              | PASS    |
|           |           |                      |              |            | -10        | -2.86            | -0.00114              | PASS    |
|           |           |                      |              |            | 0          | 0.24             | 0.0001                | PASS    |
|           |           |                      |              |            | 10         | -1.85            | -0.00074              | PASS    |
|           |           |                      |              |            | 20         | -0.94            | -0.00037              | PASS    |
|           |           |                      |              |            | 30         | -3.78            | -0.00151              | PASS    |
|           |           |                      |              |            | 40         | 0.16             | 0.00006               | PASS    |
|           |           |                      |              |            | 50         | -3.72            | -0.00148              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -0.84            | -0.00033              | PASS    |
|           |           |                      |              |            | -20        | 2.88             | 0.00114               | PASS    |
|           |           |                      |              |            | -10        | 0.10             | 0.00004               | PASS    |
|           |           |                      |              |            | 0          | 1.86             | 0.00073               | PASS    |
|           |           |                      |              |            | 10         | -1.79            | -0.00071              | PASS    |
|           |           |                      |              |            | 20         | -1.59            | -0.00063              | PASS    |
|           |           |                      |              |            | 30         | -1.76            | -0.00069              | PASS    |
|           |           |                      |              |            | 40         | 1.82             | 0.00072               | PASS    |
|           |           |                      |              |            | 50         | -2.15            | -0.00085              | PASS    |
|           |           |                      | HCH          | VN         | -30        | -3.10            | -0.00121              | PASS    |
|           |           |                      |              |            | -20        | -2.36            | -0.00092              | PASS    |
|           |           |                      |              |            | -10        | -3.96            | -0.00155              | PASS    |
|           |           |                      |              |            | 0          | -1.86            | -0.00073              | PASS    |
|           |           |                      |              |            | 10         | -0.23            | -0.00009              | PASS    |
|           |           |                      |              |            | 20         | 0.26             | 0.0001                | PASS    |
|           |           |                      |              |            | 30         | -0.43            | -0.00017              | PASS    |
|           |           |                      |              |            | 40         | -1.77            | -0.00069              | PASS    |
|           |           |                      |              |            | 50         | -2.29            | -0.00089              | PASS    |
|           | LTE/TM2   | 5                    | LCH          | VN         | -30        | -0.09            | -0.00004              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | -20        | 2.88             | 0.00115               | PASS    |
|           |           |                      |              |            | -10        | -1.00            | -0.0004               | PASS    |
|           |           |                      |              |            | 0          | -4.56            | -0.00182              | PASS    |
|           |           |                      |              |            | 10         | -1.39            | -0.00056              | PASS    |
|           |           |                      |              |            | 20         | -1.24            | -0.0005               | PASS    |
|           |           |                      |              |            | 30         | -1.14            | -0.00046              | PASS    |
|           |           |                      |              |            | 40         | -1.93            | -0.00077              | PASS    |
|           |           |                      |              |            | 50         | -6.04            | -0.00241              | PASS    |
|           |           |                      | MCH          | VN         | -30        | -1.52            | -0.0006               | PASS    |
|           |           |                      |              |            | -20        | -1.99            | -0.00079              | PASS    |
|           |           |                      |              |            | -10        | -2.80            | -0.0011               | PASS    |
|           |           |                      |              |            | 0          | -3.59            | -0.00142              | PASS    |
|           |           |                      |              |            | 10         | 2.06             | 0.00081               | PASS    |
|           |           |                      |              |            | 20         | -1.89            | -0.00075              | PASS    |
|           |           |                      |              |            | 30         | 2.10             | 0.00083               | PASS    |
|           |           |                      |              |            | 40         | 1.87             | 0.00074               | PASS    |
|           |           |                      |              |            | 50         | 2.27             | 0.0009                | PASS    |
|           |           |                      | HCH          | VN         | -30        | 4.36             | 0.0017                | PASS    |
|           |           |                      |              |            | -20        | -8.21            | -0.0032               | PASS    |
|           |           |                      |              |            | -10        | 2.23             | 0.00087               | PASS    |
|           |           |                      |              |            | 0          | 3.12             | 0.00122               | PASS    |
|           |           |                      |              |            | 10         | -0.07            | -0.00003              | PASS    |
|           |           |                      |              |            | 20         | -3.53            | -0.00137              | PASS    |
|           |           |                      |              |            | 30         | -25.84           | -0.01006              | PASS    |
|           |           |                      |              |            | 40         | -3.49            | -0.00136              | PASS    |
|           |           |                      |              |            | 50         | -0.89            | -0.00035              | PASS    |
|           |           | 10                   | LCH          | VN         | -30        | -3.28            | -0.00131              | PASS    |
|           |           |                      |              |            | -20        | 1.89             | 0.00075               | PASS    |
|           |           |                      |              |            | -10        | 1.87             | 0.00075               | PASS    |
|           |           |                      |              |            | 0          | 1.80             | 0.00072               | PASS    |
|           |           |                      |              |            | 10         | 3.53             | 0.00141               | PASS    |
|           |           |                      |              |            | 20         | -3.81            | -0.00152              | PASS    |
|           |           |                      |              |            | 30         | -1.75            | -0.0007               | PASS    |
|           |           |                      |              |            | 40         | -3.53            | -0.00141              | PASS    |
|           |           |                      |              |            | 50         | -5.97            | -0.00238              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.06             | 0.00042               | PASS    |
|           |           |                      |              |            | -20        | 3.92             | 0.00155               | PASS    |
|           |           |                      |              |            | -10        | -1.37            | -0.00054              | PASS    |
|           |           |                      |              |            | 0          | -0.01            | 0                     | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           |                      |              |            | 10         | 1.02             | 0.0004                | PASS    |
|           |           |                      |              |            | 20         | 0.67             | 0.00026               | PASS    |
|           |           |                      |              |            | 30         | -2.85            | -0.00112              | PASS    |
|           |           |                      |              |            | 40         | -0.26            | -0.0001               | PASS    |
|           |           |                      |              |            | 50         | 0.99             | 0.00039               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -1.49            | -0.00058              | PASS    |
|           |           |                      |              |            | -20        | -2.46            | -0.00096              | PASS    |
|           |           |                      |              |            | -10        | -6.12            | -0.00239              | PASS    |
|           |           |                      |              |            | 0          | -2.79            | -0.00109              | PASS    |
|           |           |                      |              |            | 10         | -0.89            | -0.00035              | PASS    |
|           |           |                      |              |            | 20         | -2.07            | -0.00081              | PASS    |
|           |           |                      |              |            | 30         | 0.96             | 0.00037               | PASS    |
|           |           |                      |              |            | 40         | 3.09             | 0.0012                | PASS    |
|           |           |                      |              |            | 50         | -3.96            | -0.00154              | PASS    |
|           |           | 15                   | LCH          | VN         | -30        | -2.06            | -0.00082              | PASS    |
|           |           |                      |              |            | -20        | -7.50            | -0.00299              | PASS    |
|           |           |                      |              |            | -10        | -2.68            | -0.00107              | PASS    |
|           |           |                      |              |            | 0          | -4.55            | -0.00181              | PASS    |
|           |           |                      |              |            | 10         | -2.13            | -0.00085              | PASS    |
|           |           |                      |              |            | 20         | -1.97            | -0.00079              | PASS    |
|           |           |                      |              |            | 30         | -5.91            | -0.00236              | PASS    |
|           |           |                      |              |            | 40         | -1.56            | -0.00062              | PASS    |
|           |           |                      |              |            | 50         | 0.19             | 0.00008               | PASS    |
|           |           |                      | MCH          | VN         | -30        | 1.95             | 0.00077               | PASS    |
|           |           |                      |              |            | -20        | 0.84             | 0.00033               | PASS    |
|           |           |                      |              |            | -10        | 2.49             | 0.00098               | PASS    |
|           |           |                      |              |            | 0          | -2.03            | -0.0008               | PASS    |
|           |           |                      |              |            | 10         | 0.74             | 0.00029               | PASS    |
|           |           |                      |              |            | 20         | 3.15             | 0.00124               | PASS    |
|           |           |                      |              |            | 30         | -0.03            | -0.00001              | PASS    |
|           |           |                      |              |            | 40         | 3.18             | 0.00125               | PASS    |
|           |           |                      |              |            | 50         | 1.93             | 0.00076               | PASS    |
|           |           |                      | HCH          | VN         | -30        | -0.21            | -0.00008              | PASS    |
|           |           |                      |              |            | -20        | -3.16            | -0.00123              | PASS    |
|           |           |                      |              |            | -10        | -2.69            | -0.00105              | PASS    |
|           |           |                      |              |            | 0          | -0.49            | -0.00019              | PASS    |
|           |           |                      |              |            | 10         | -2.29            | -0.00089              | PASS    |
|           |           |                      |              |            | 20         | -1.87            | -0.00073              | PASS    |
|           |           |                      |              |            | 30         | -2.73            | -0.00107              | PASS    |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
|           |           | 20                   |              |            | 40         | 1.57             | 0.00061               | PASS    |
|           |           |                      |              |            | 50         | -2.02            | -0.00079              | PASS    |
|           |           |                      | LCH          | VN         | -30        | 0.77             | 0.00031               | PASS    |
|           |           |                      |              |            | -20        | -0.69            | -0.00027              | PASS    |
|           |           |                      |              |            | -10        | -3.42            | -0.00136              | PASS    |
|           |           |                      |              |            | 0          | -2.53            | -0.00101              | PASS    |
|           |           |                      |              |            | 10         | -2.95            | -0.00118              | PASS    |
|           |           |                      |              |            | 20         | -1.36            | -0.00054              | PASS    |
|           |           |                      |              |            | 30         | -1.80            | -0.00072              | PASS    |
|           |           |                      |              |            | 40         | -0.57            | -0.00023              | PASS    |
|           |           |                      |              |            | 50         | -5.45            | -0.00217              | PASS    |
|           |           |                      | MCH          | VN         | -30        | 0.66             | 0.00026               | PASS    |
|           |           |                      |              |            | -20        | -0.46            | -0.00018              | PASS    |
|           |           |                      |              |            | -10        | -4.16            | -0.00164              | PASS    |
|           |           |                      |              |            | 0          | -1.26            | -0.0005               | PASS    |
|           |           |                      |              |            | 10         | -1.50            | -0.00059              | PASS    |
|           |           |                      |              |            | 20         | -1.40            | -0.00055              | PASS    |
|           |           |                      |              |            | 30         | 0.06             | 0.00002               | PASS    |
|           |           |                      |              |            | 40         | 1.29             | 0.00051               | PASS    |
|           |           |                      |              |            | 50         | -1.99            | -0.00079              | PASS    |
|           |           |                      | HCH          | VN         | -30        | 1.07             | 0.00042               | PASS    |
|           |           |                      |              |            | -20        | -1.66            | -0.00065              | PASS    |
|           |           |                      |              |            | -10        | -1.96            | -0.00077              | PASS    |
|           |           |                      |              |            | 0          | -1.37            | -0.00054              | PASS    |
|           |           |                      |              |            | 10         | -2.17            | -0.00085              | PASS    |
|           |           |                      |              |            | 20         | -0.97            | -0.00038              | PASS    |
|           |           |                      |              |            | 30         | -0.14            | -0.00005              | PASS    |
|           |           |                      |              |            | 40         | -3.63            | -0.00142              | PASS    |
|           |           |                      |              |            | 50         | -4.66            | -0.00182              | PASS    |

END