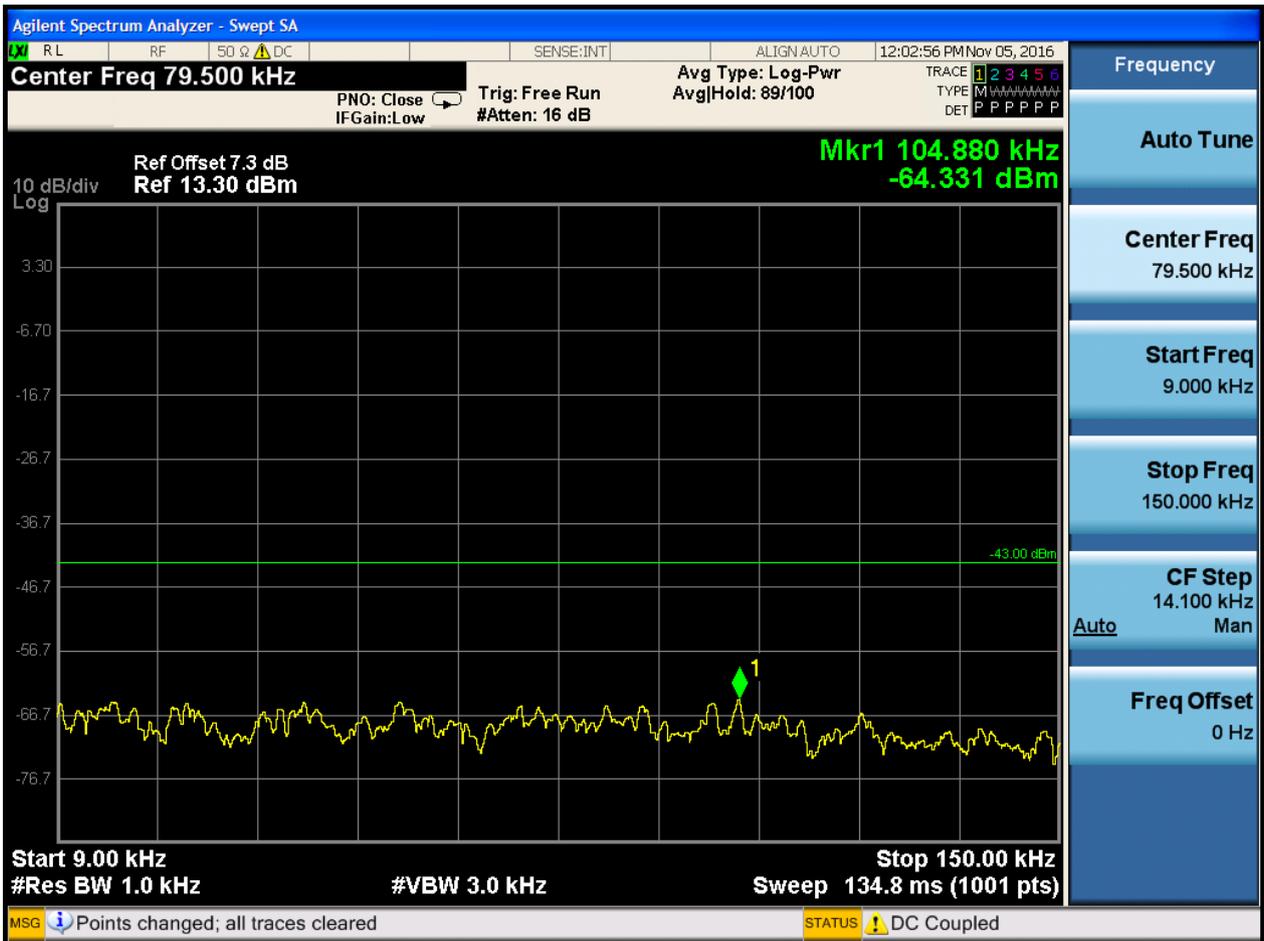


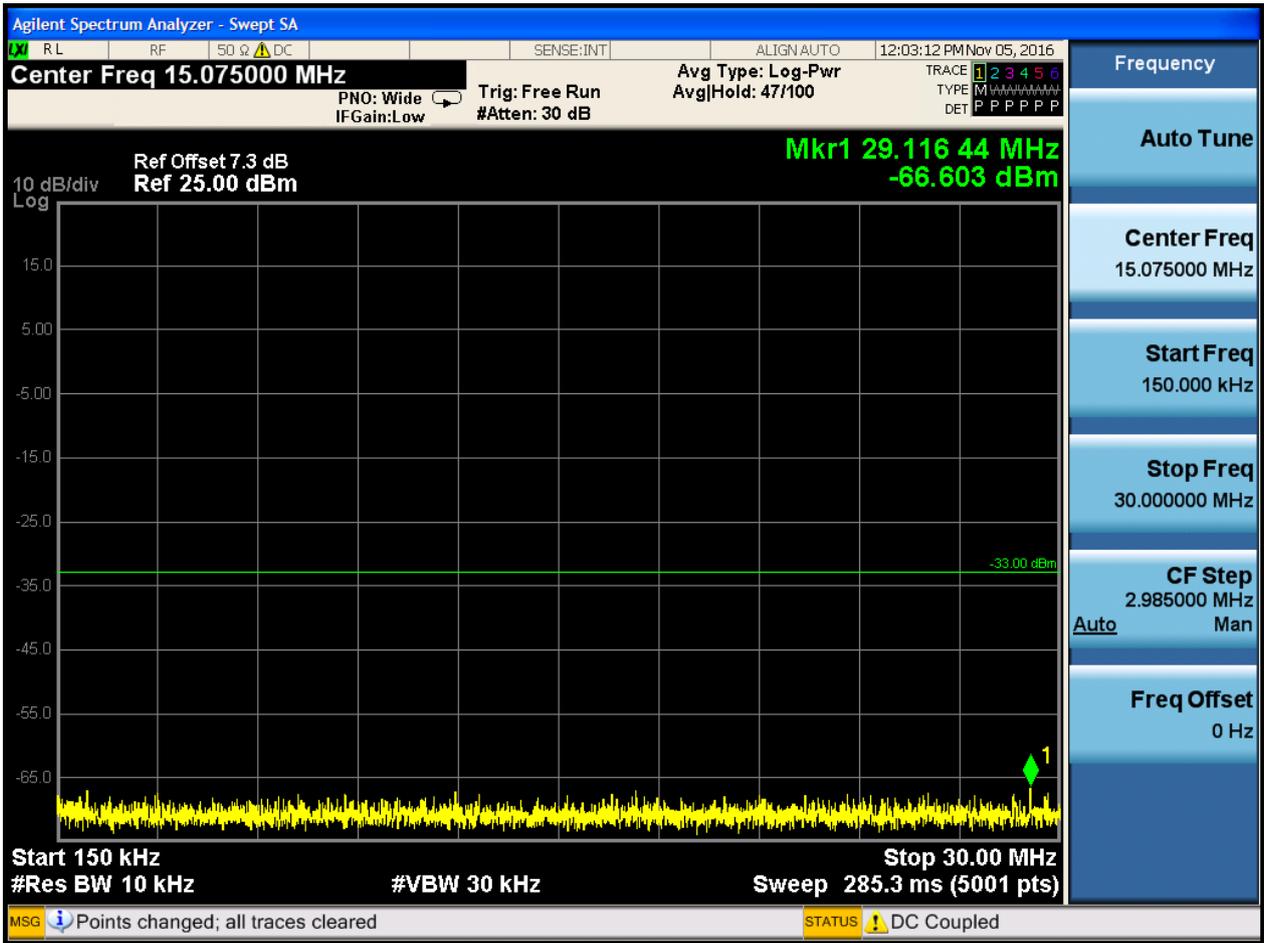


6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

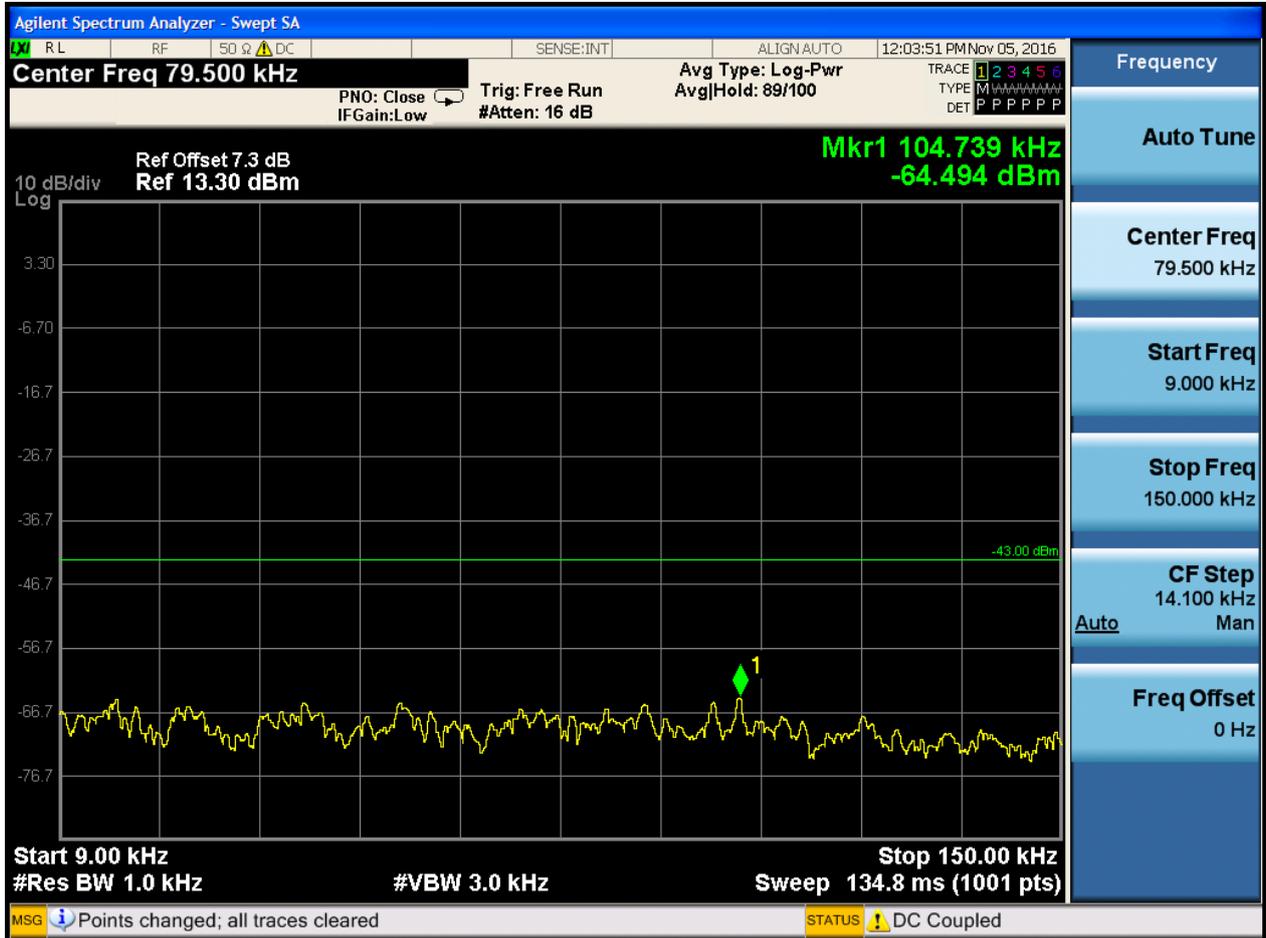


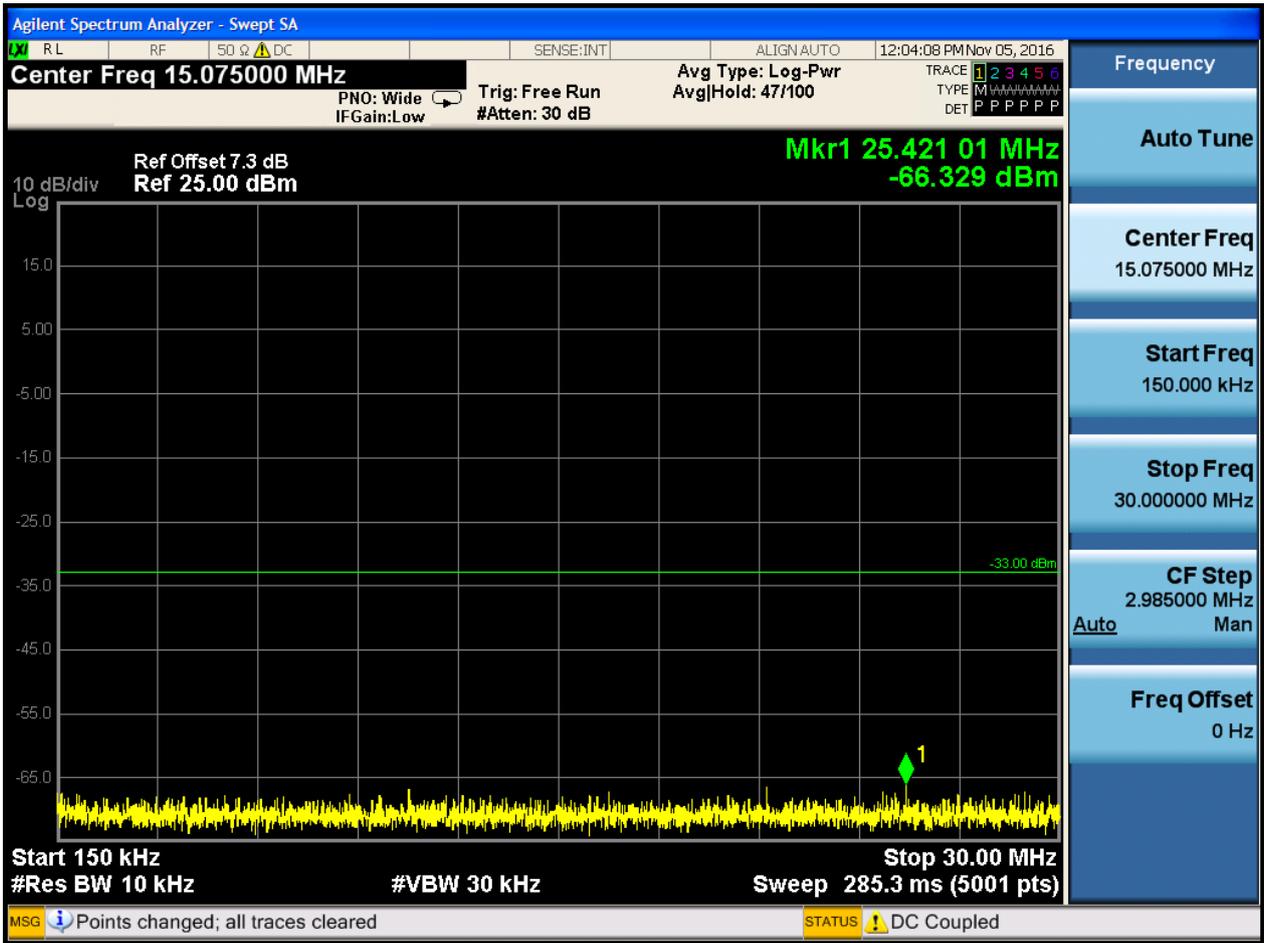


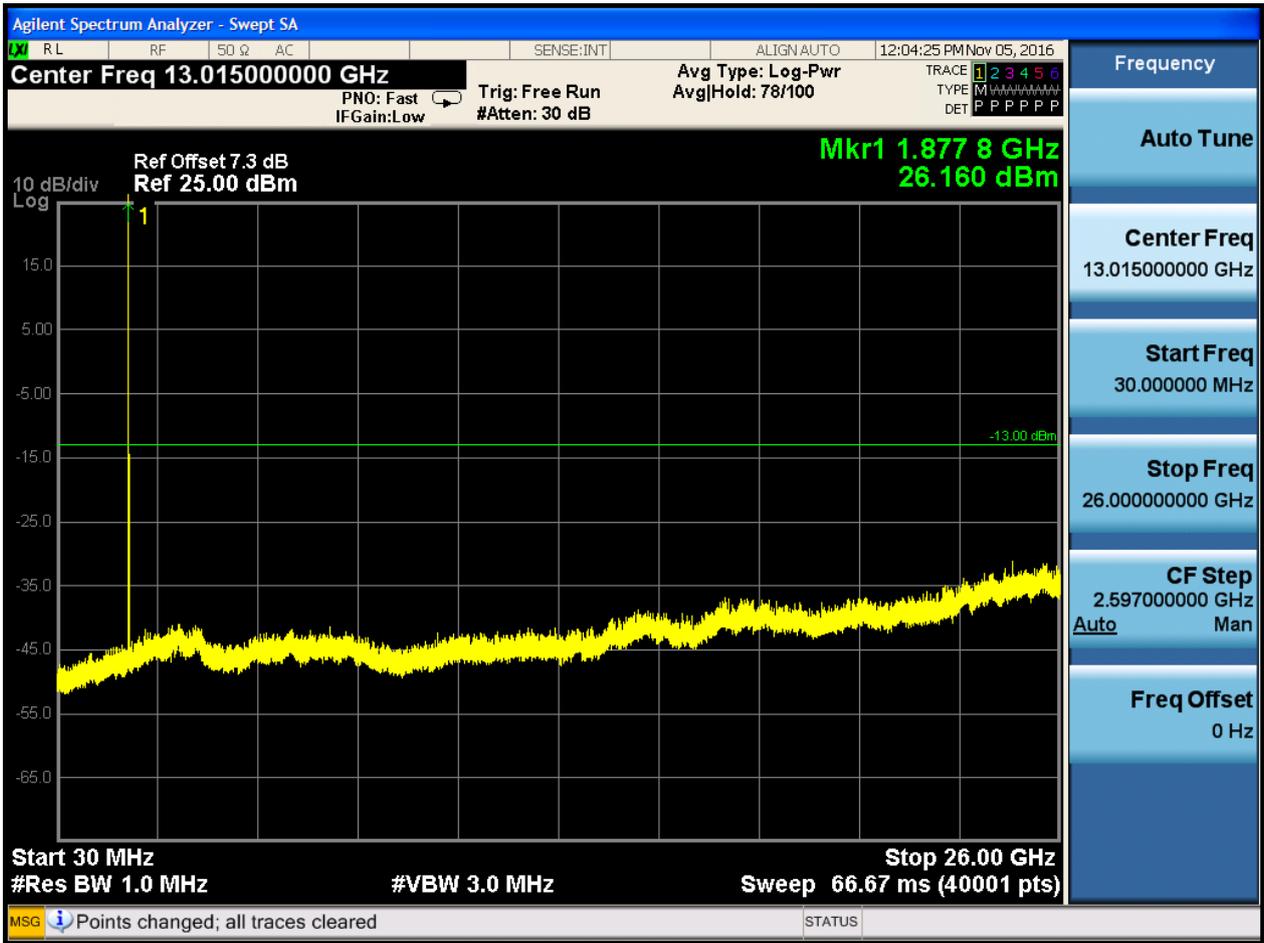


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



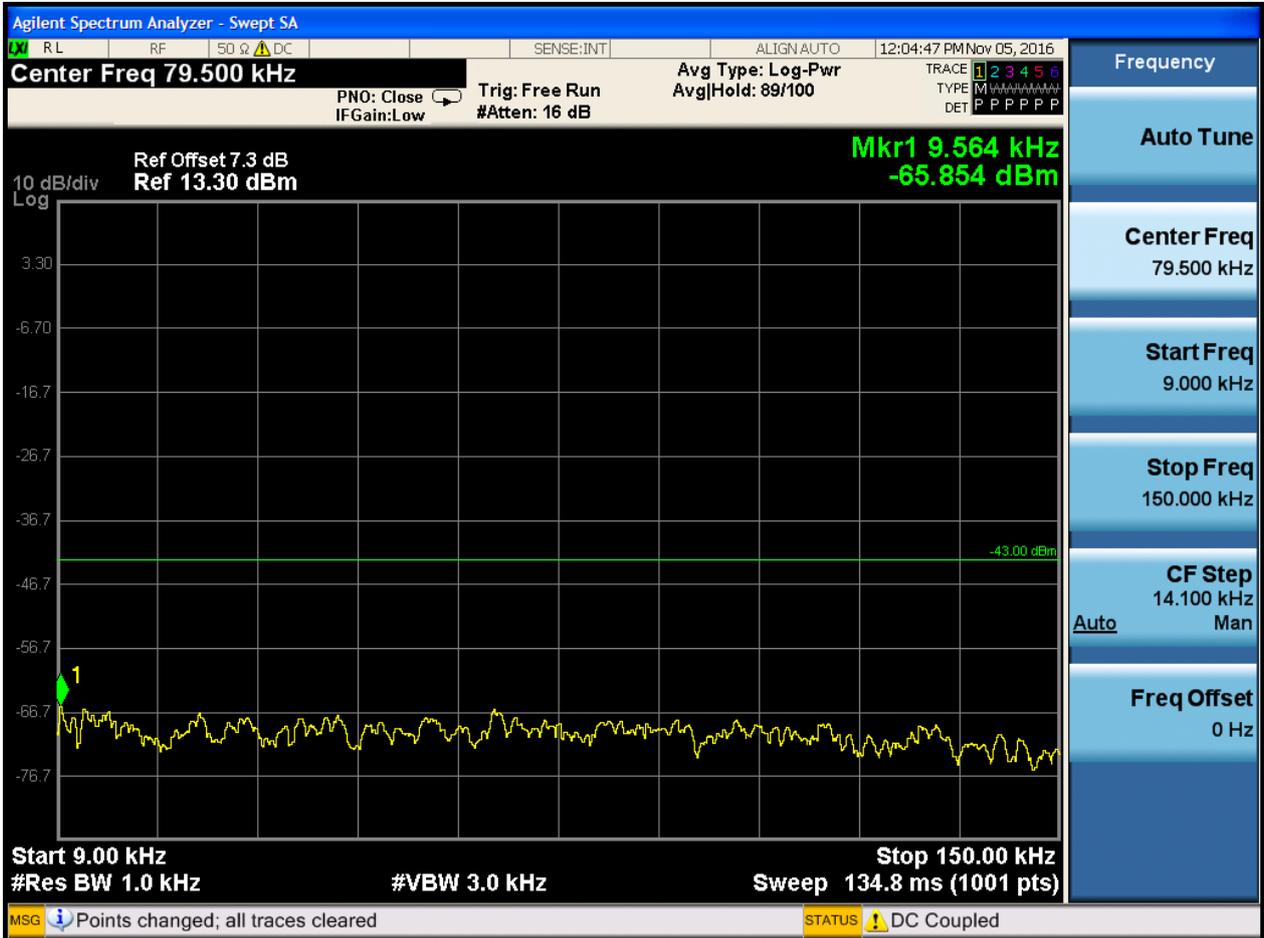




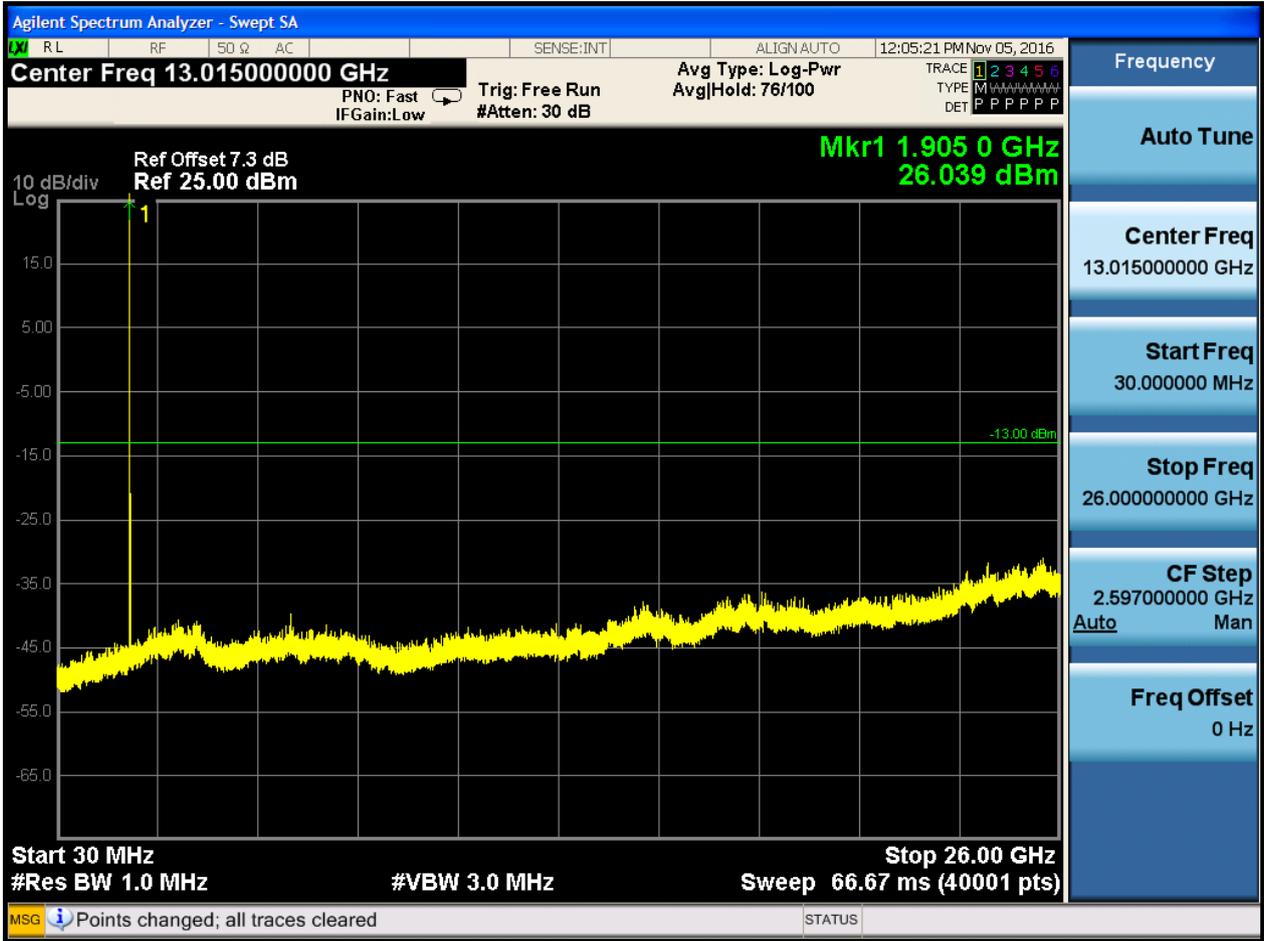


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





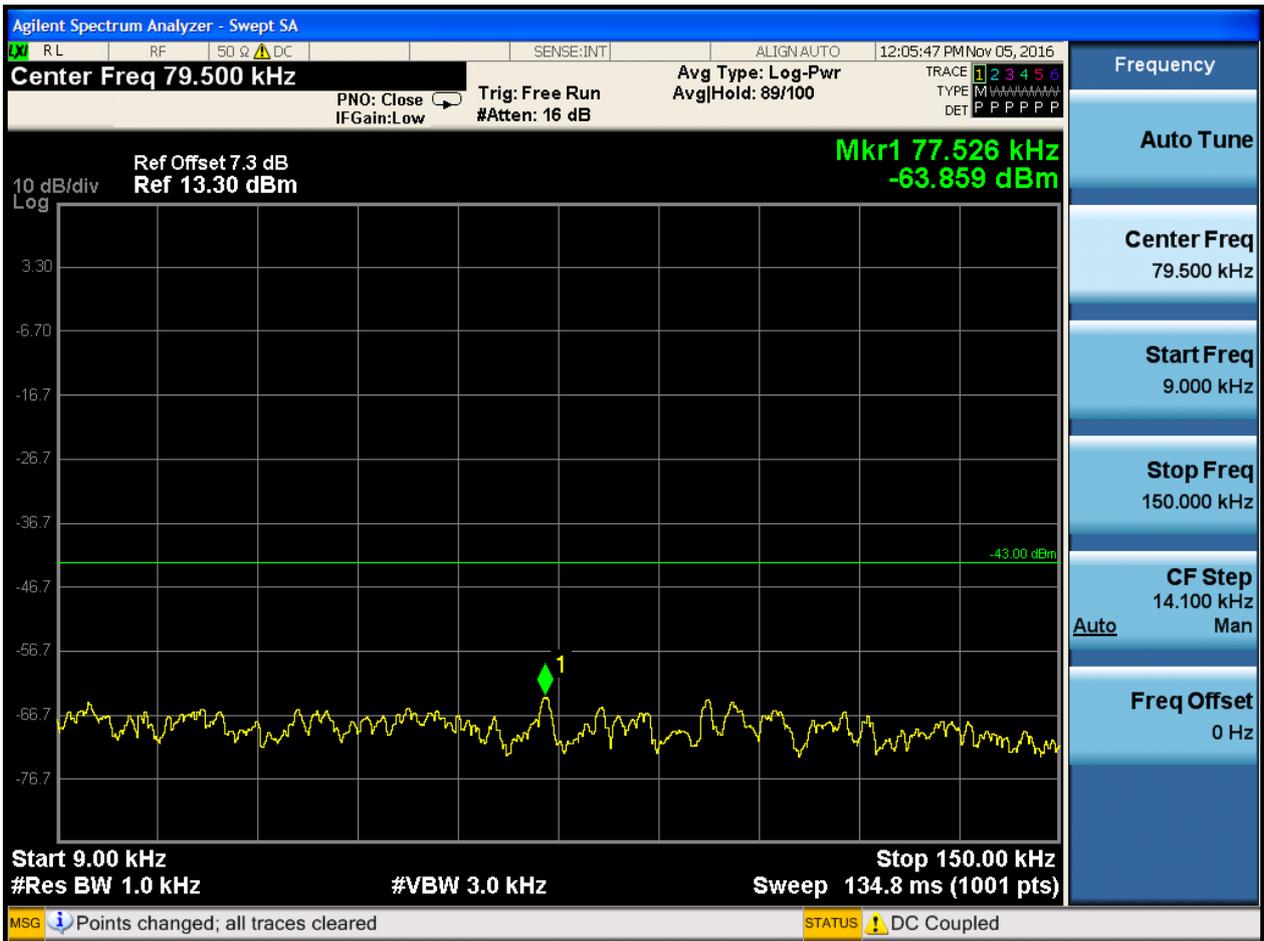


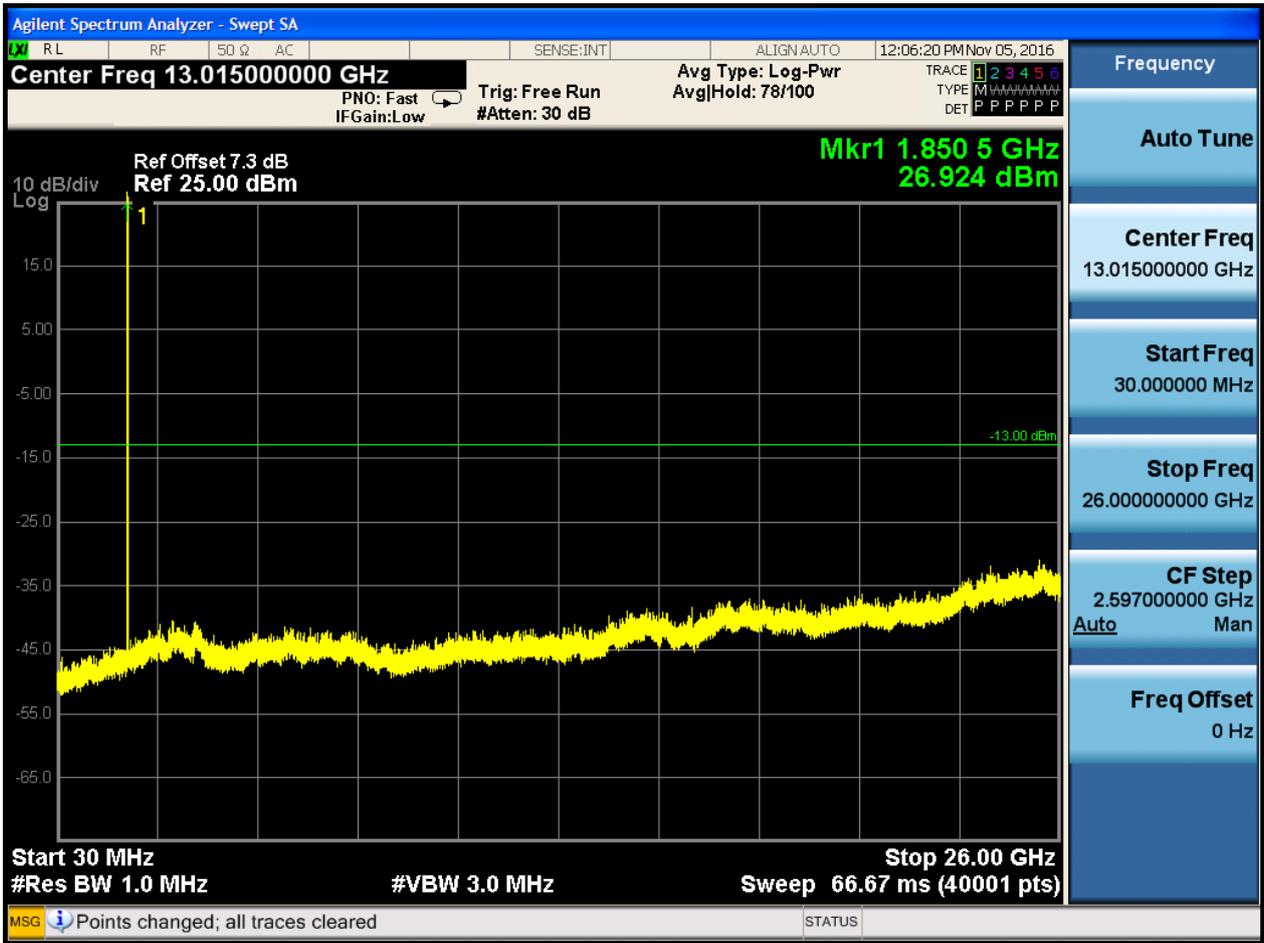


6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

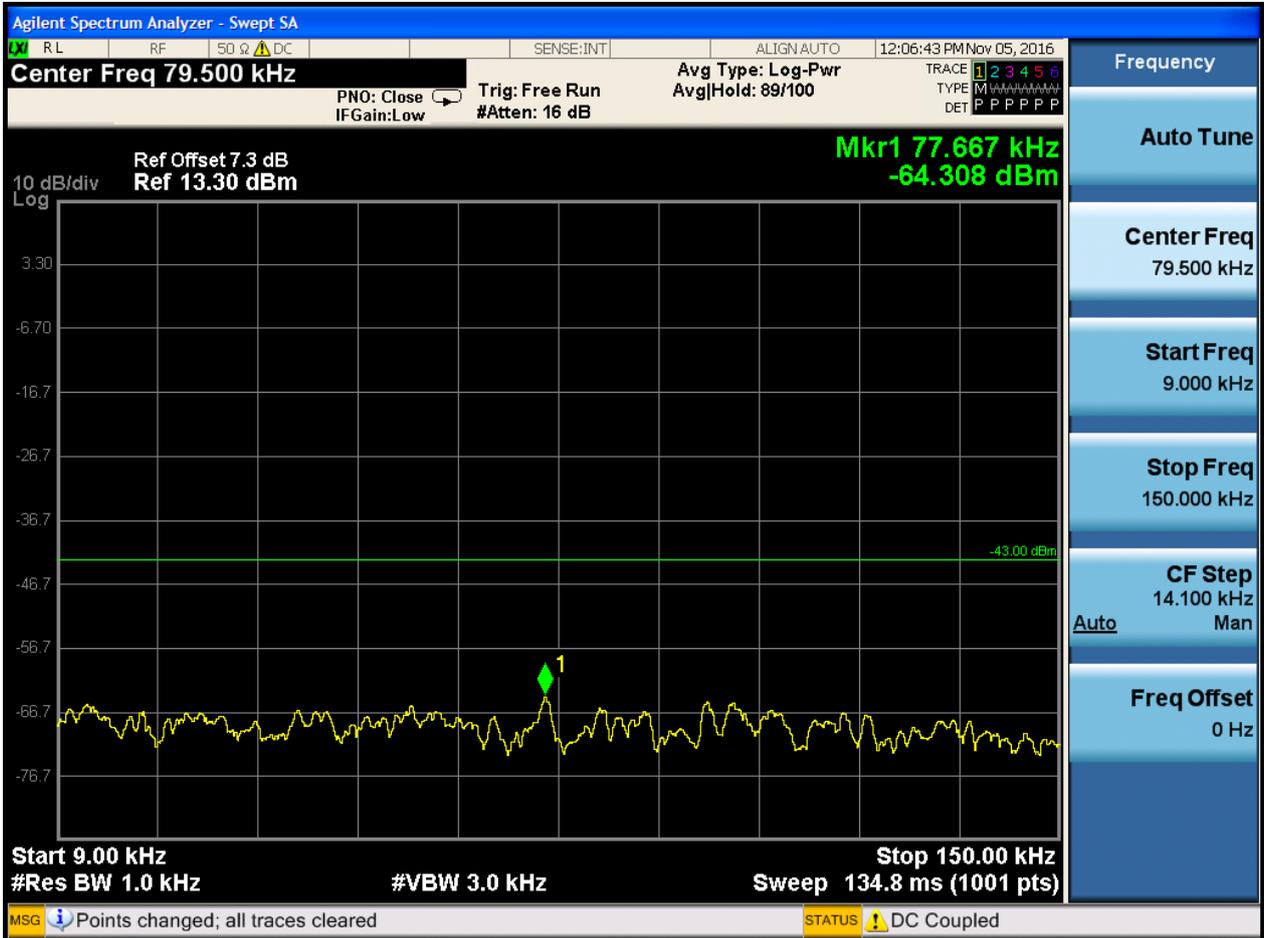


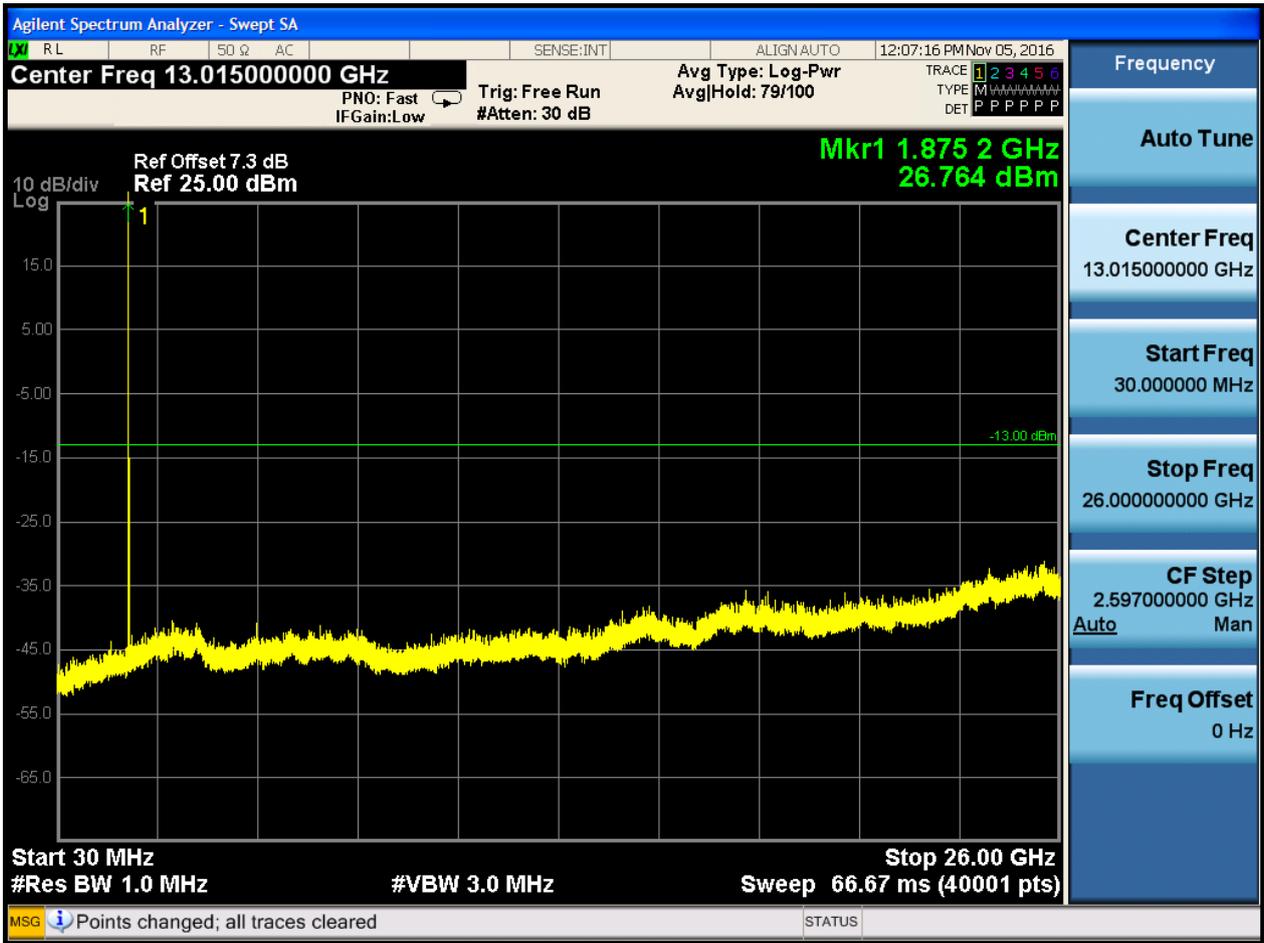




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

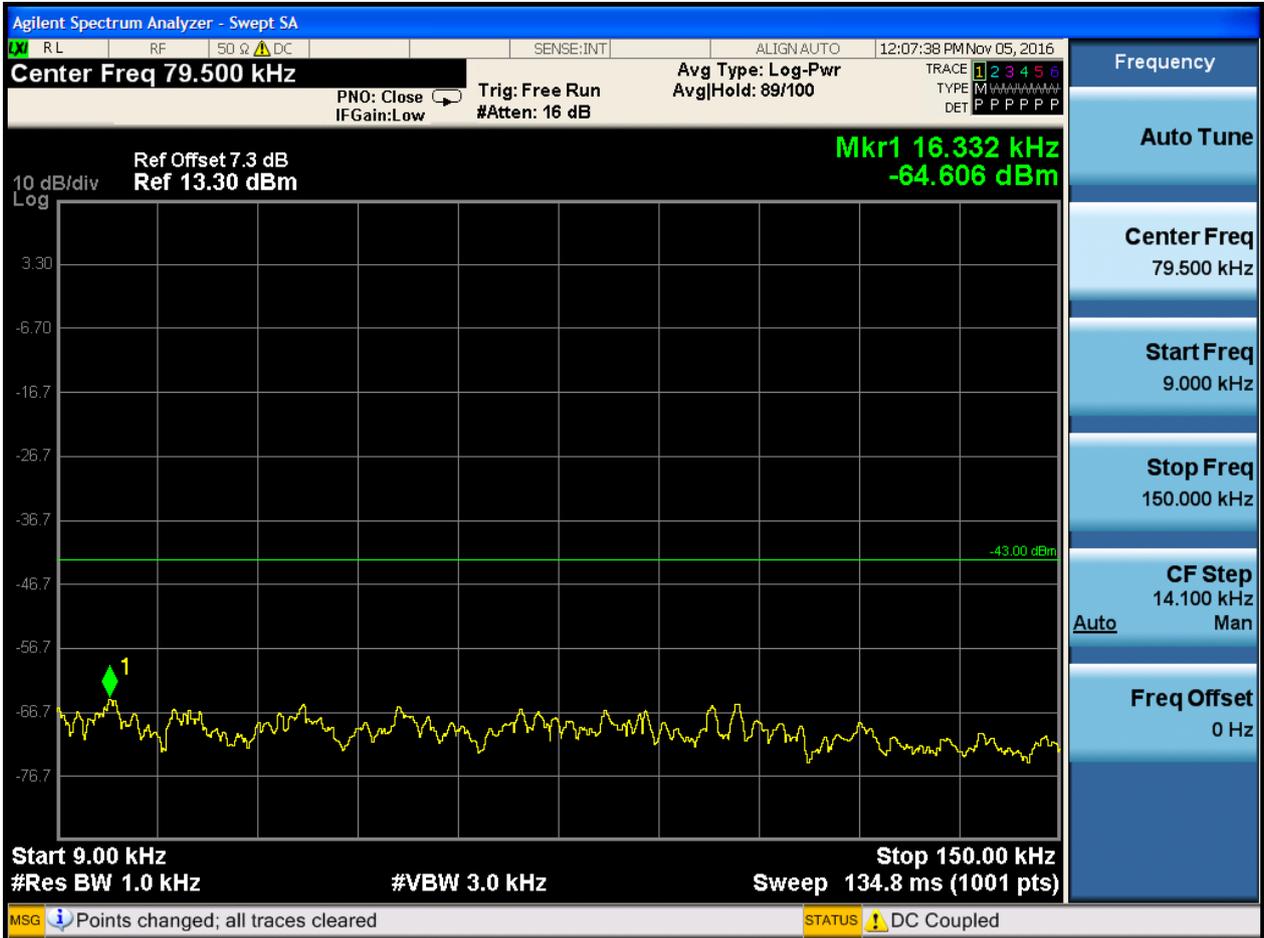


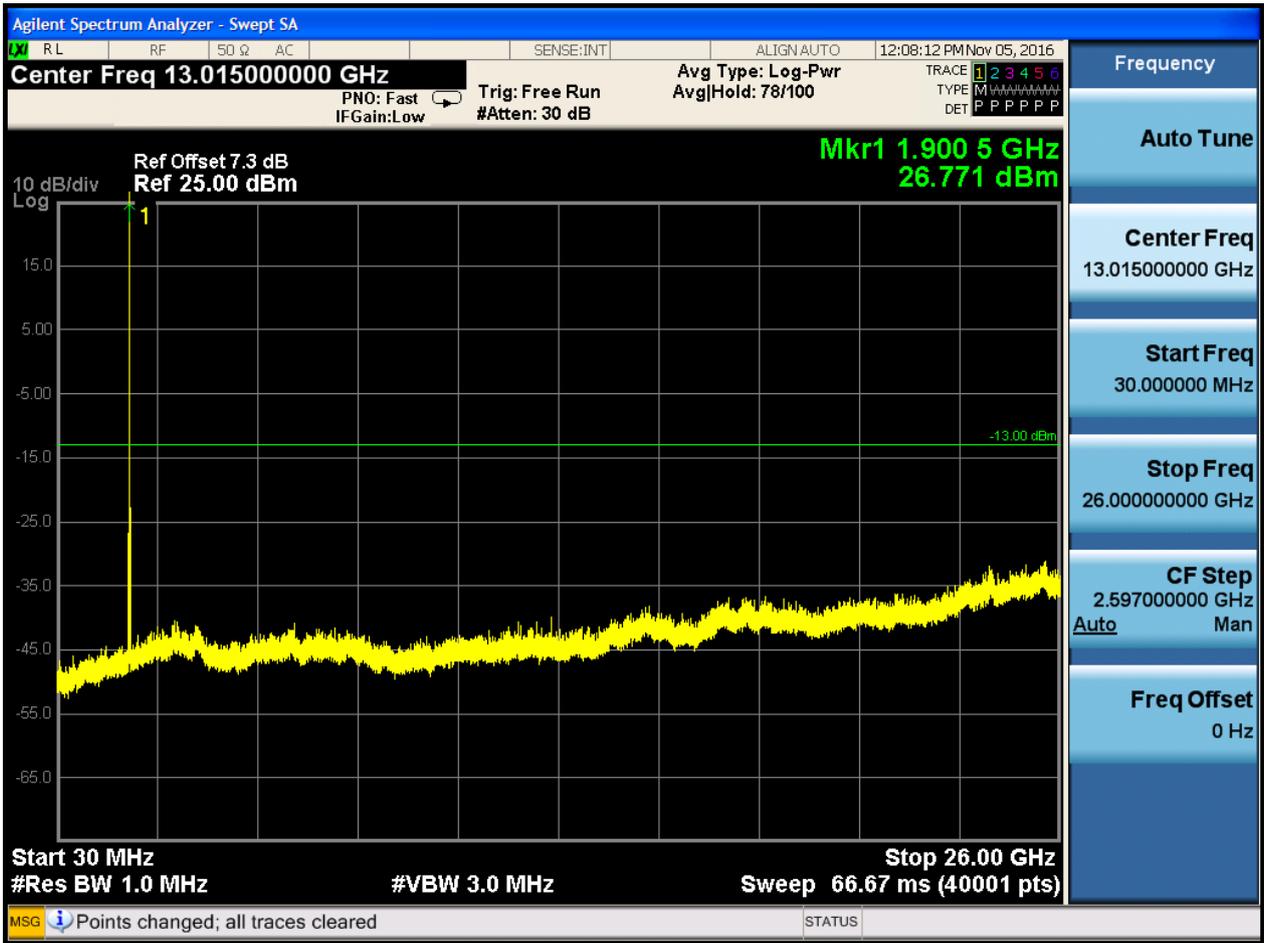




6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0



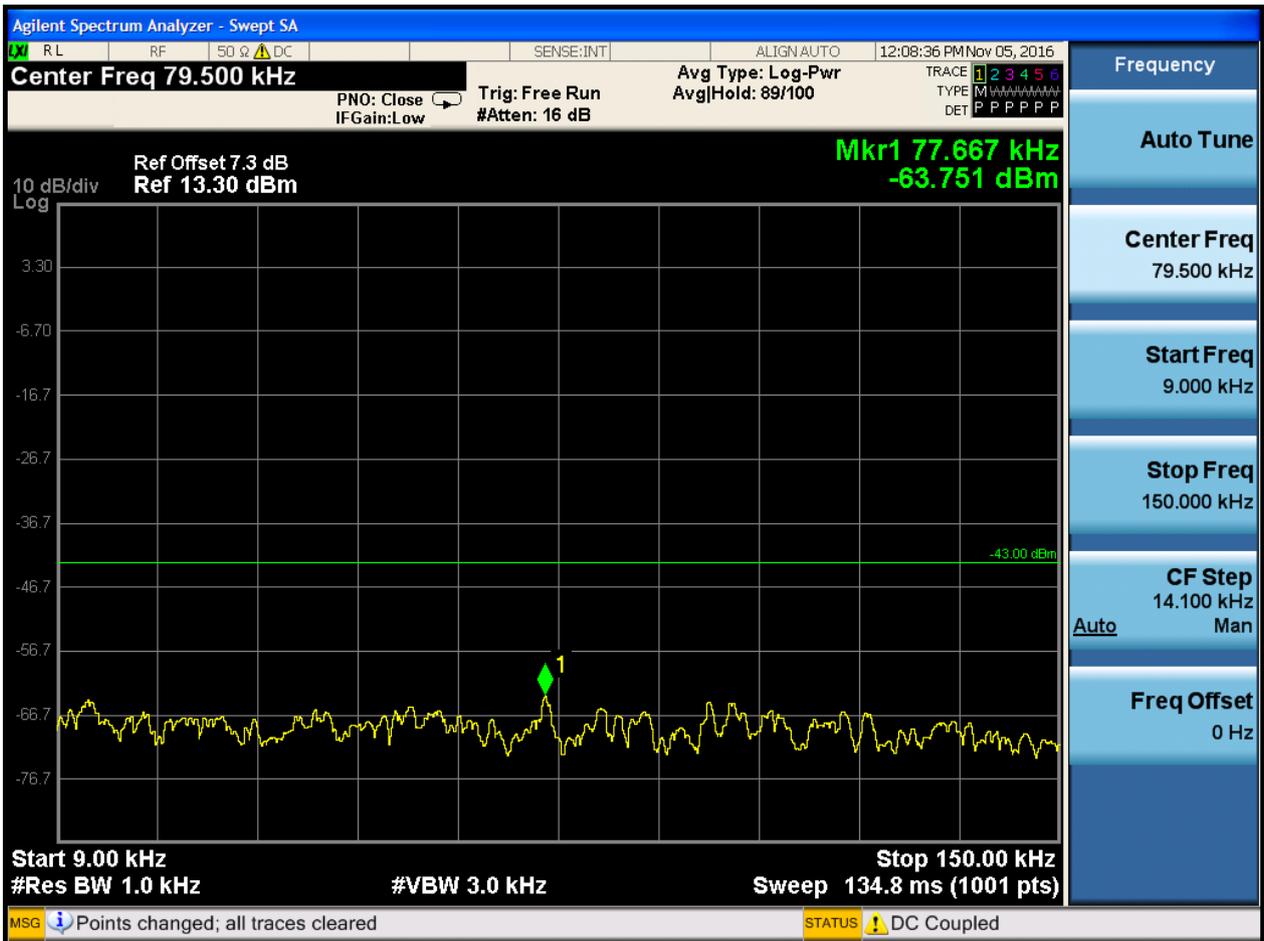


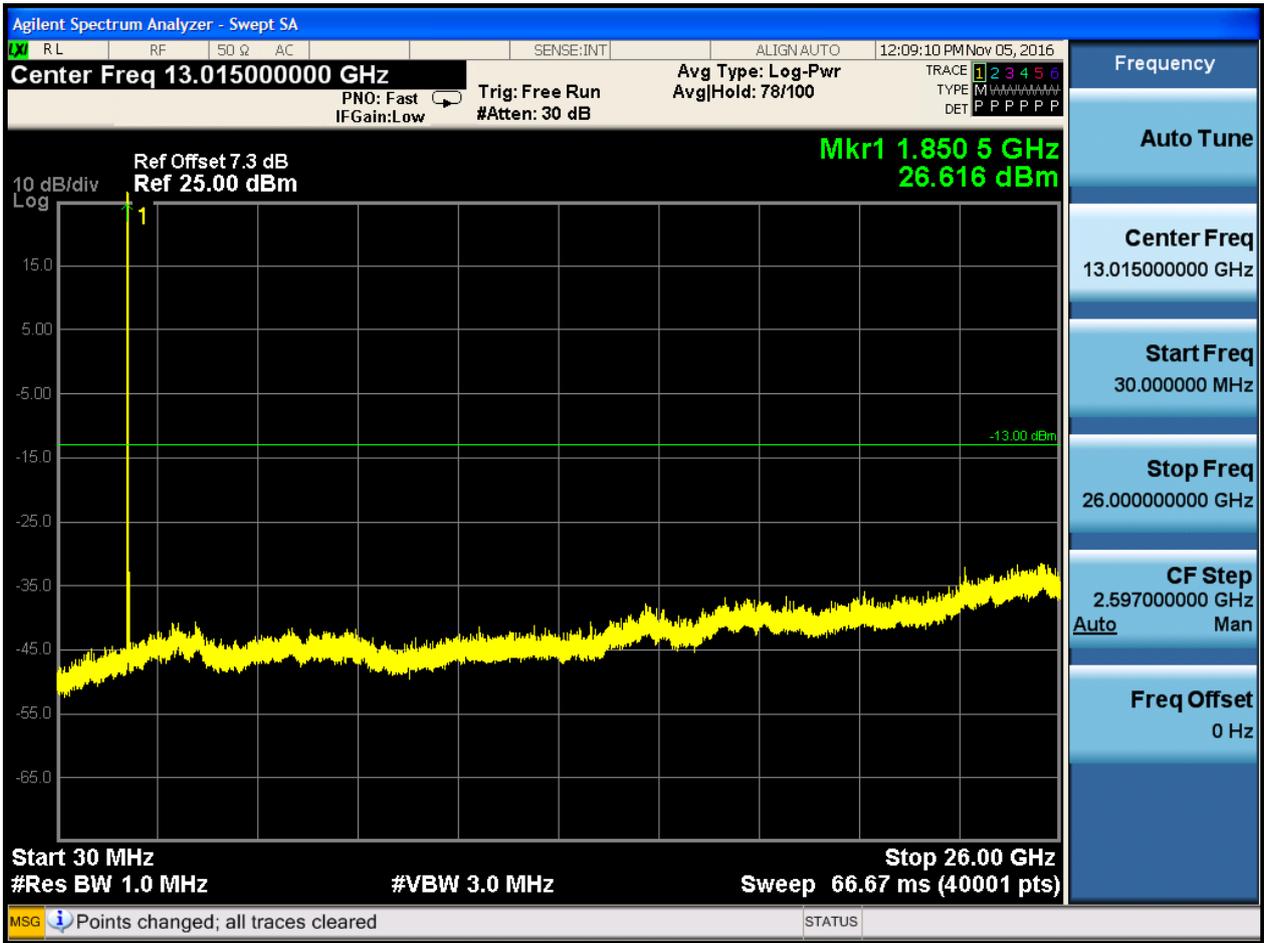


6.1.1.2.5 Test Bandwidth = 15

6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0

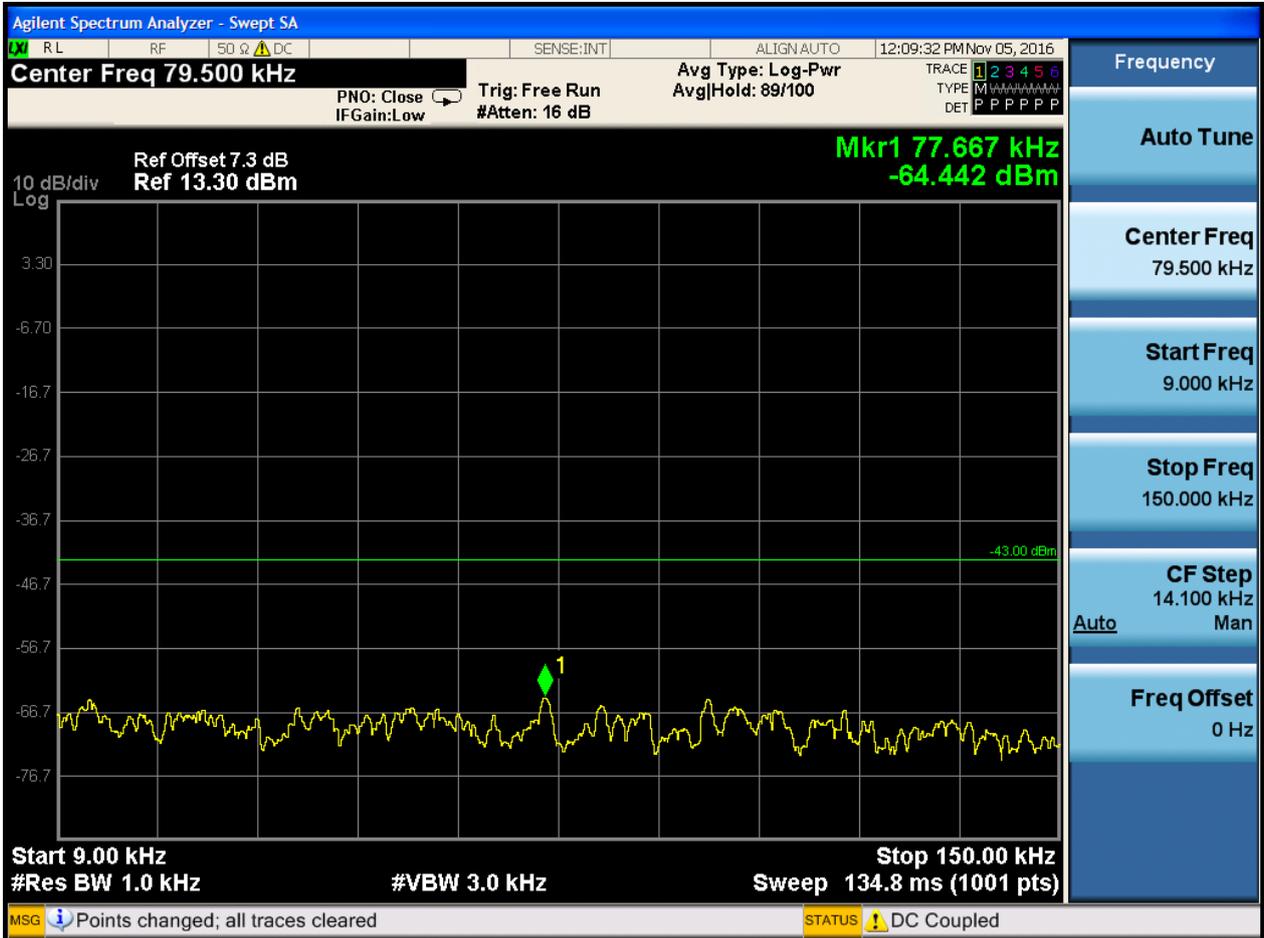


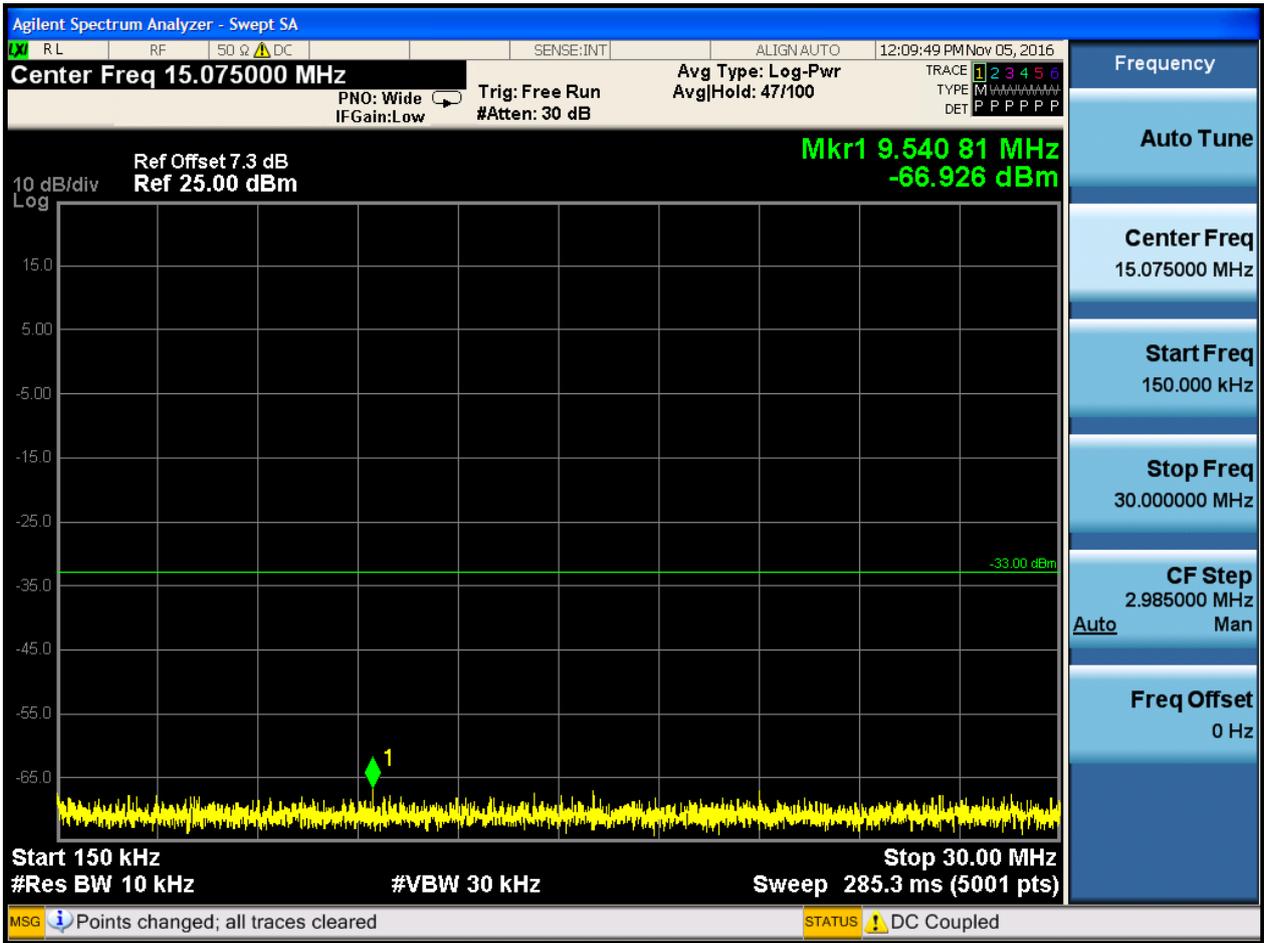




6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0

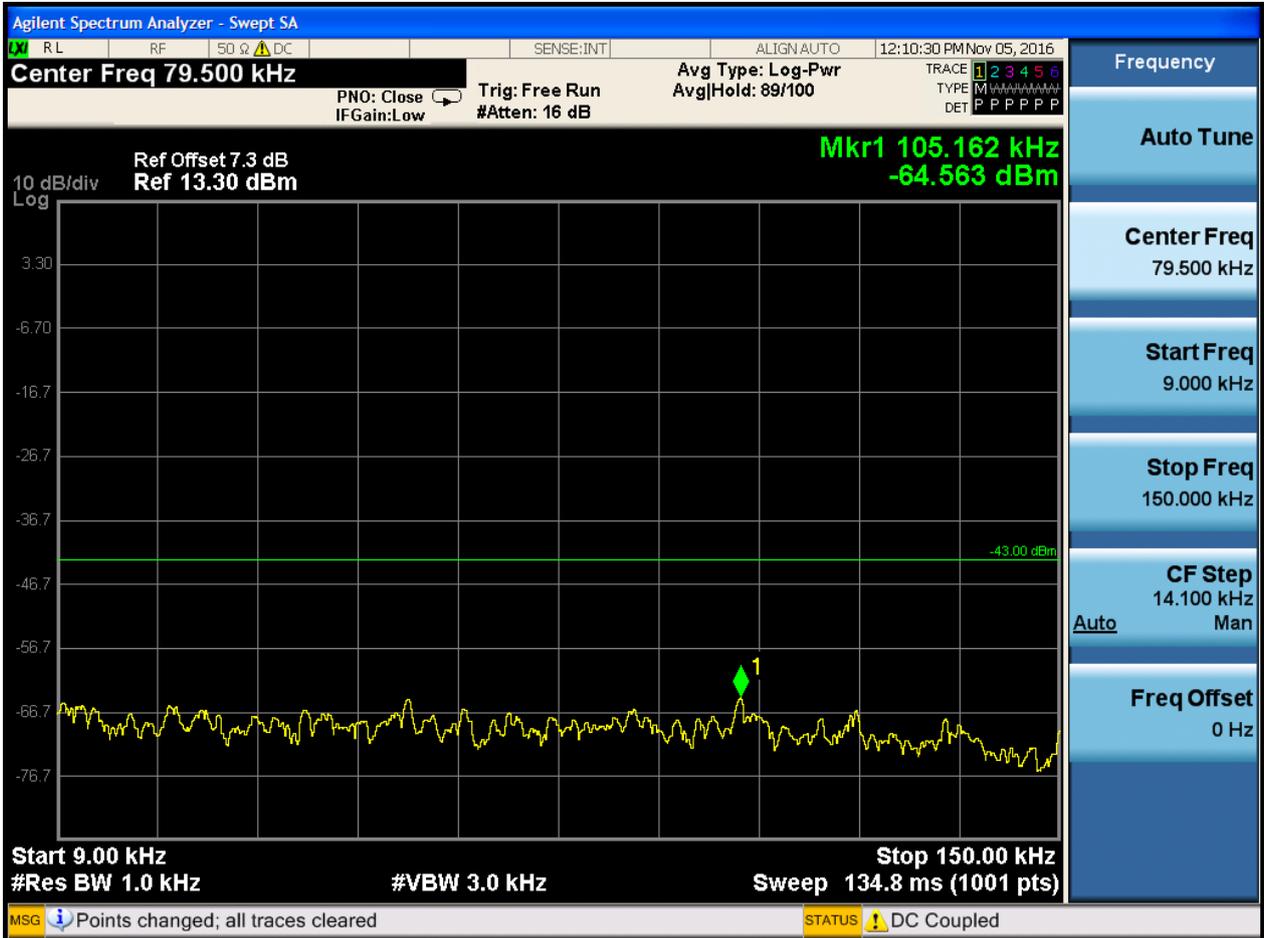






6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0

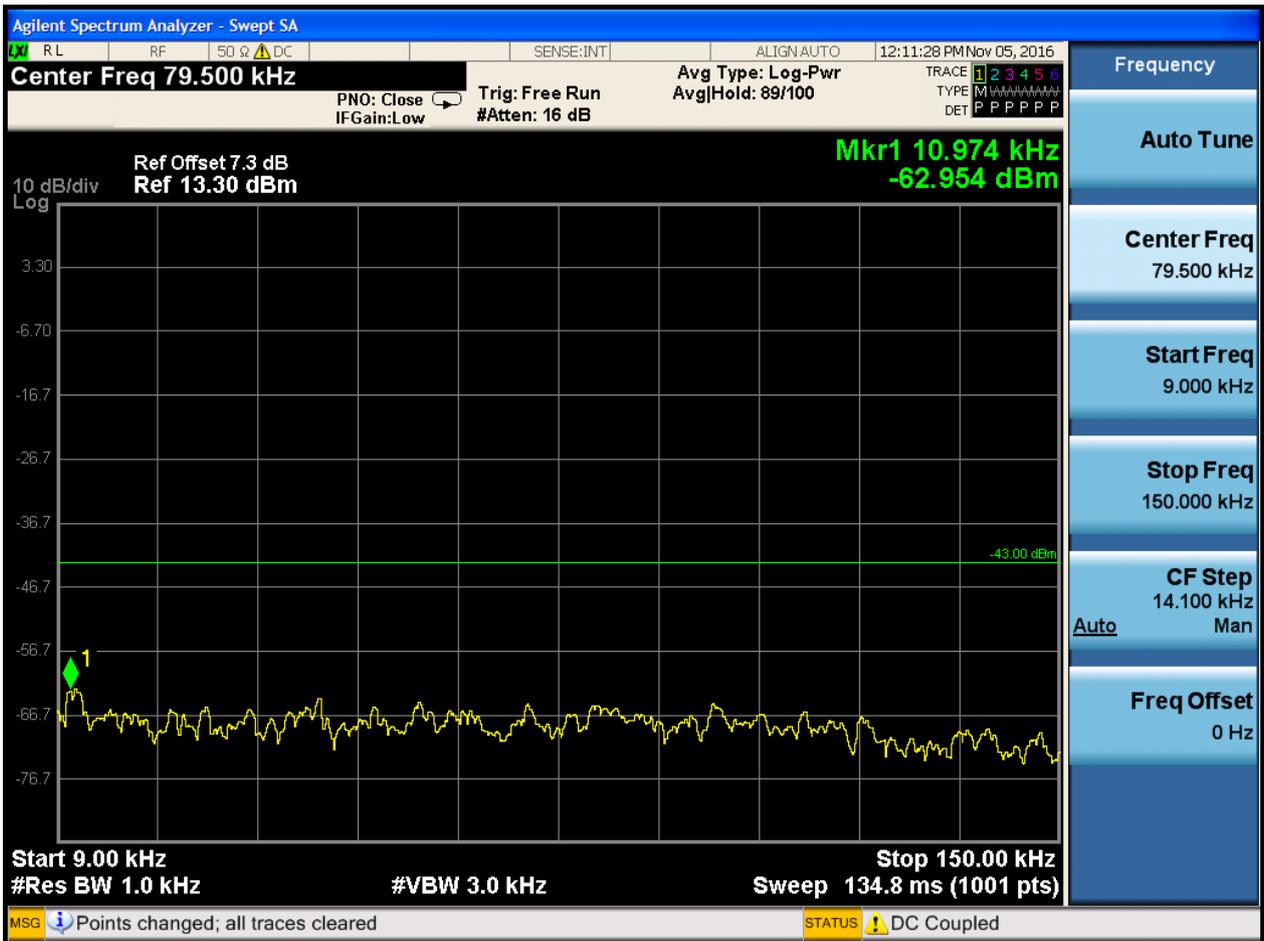


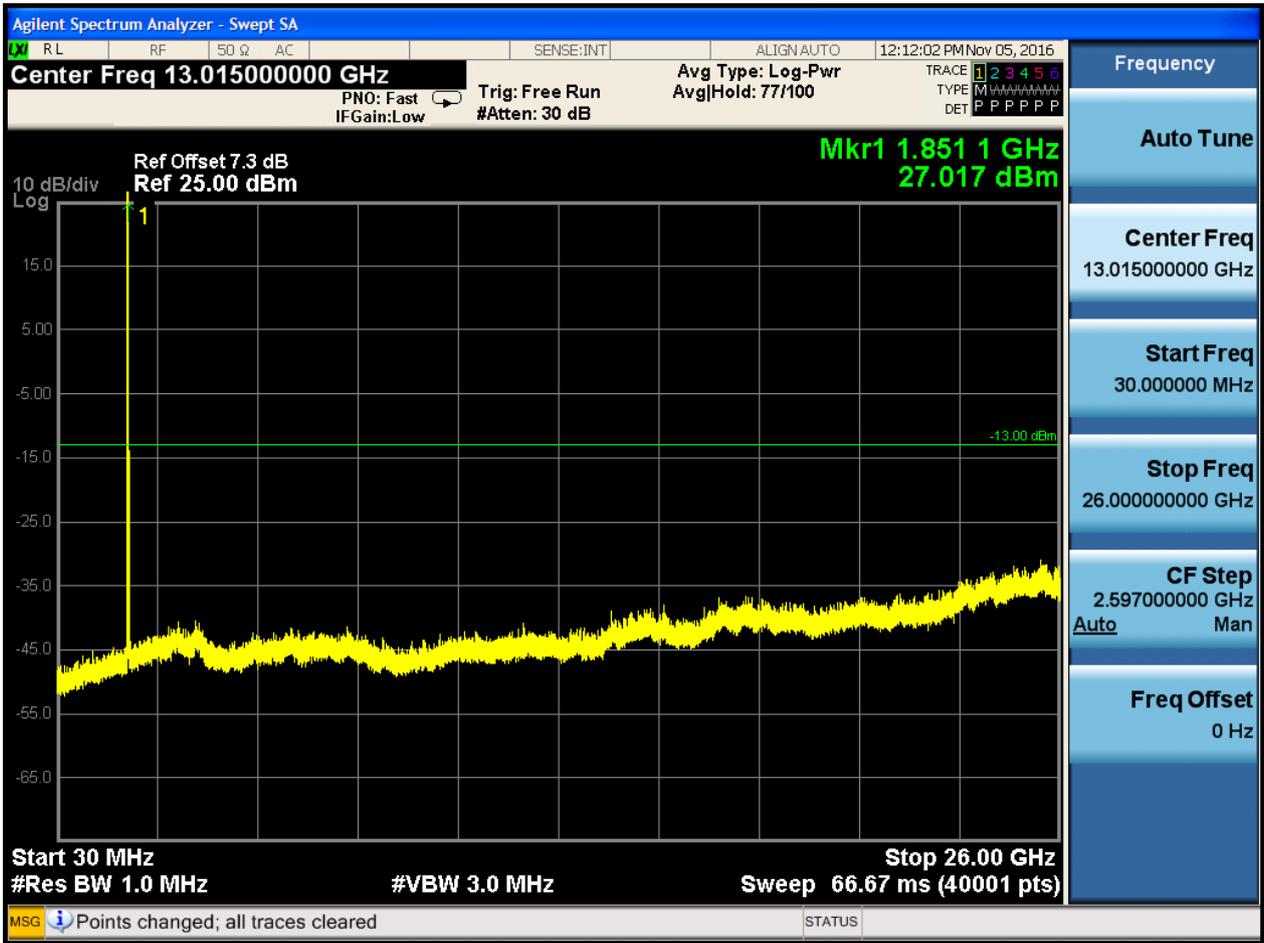


6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0

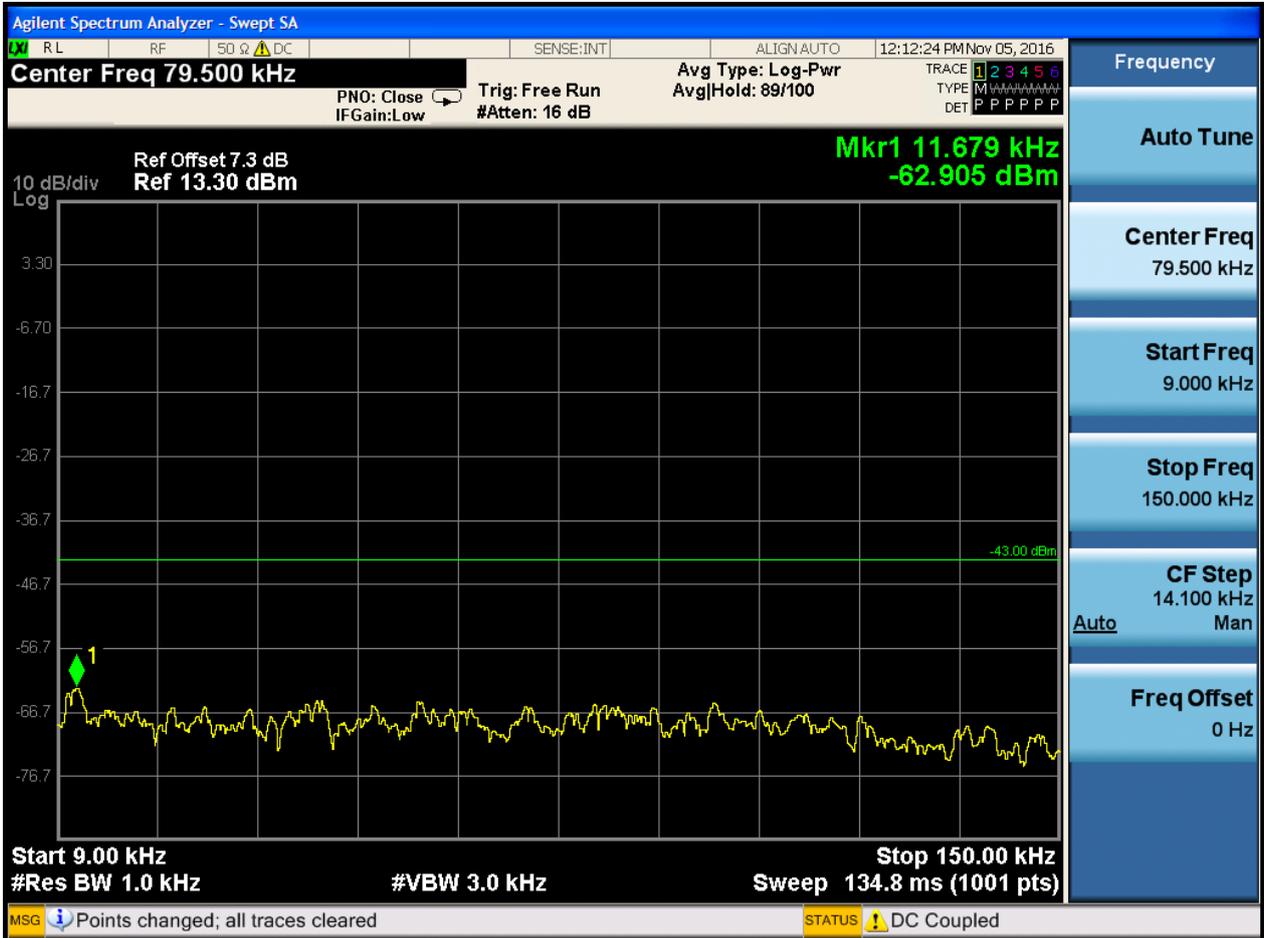


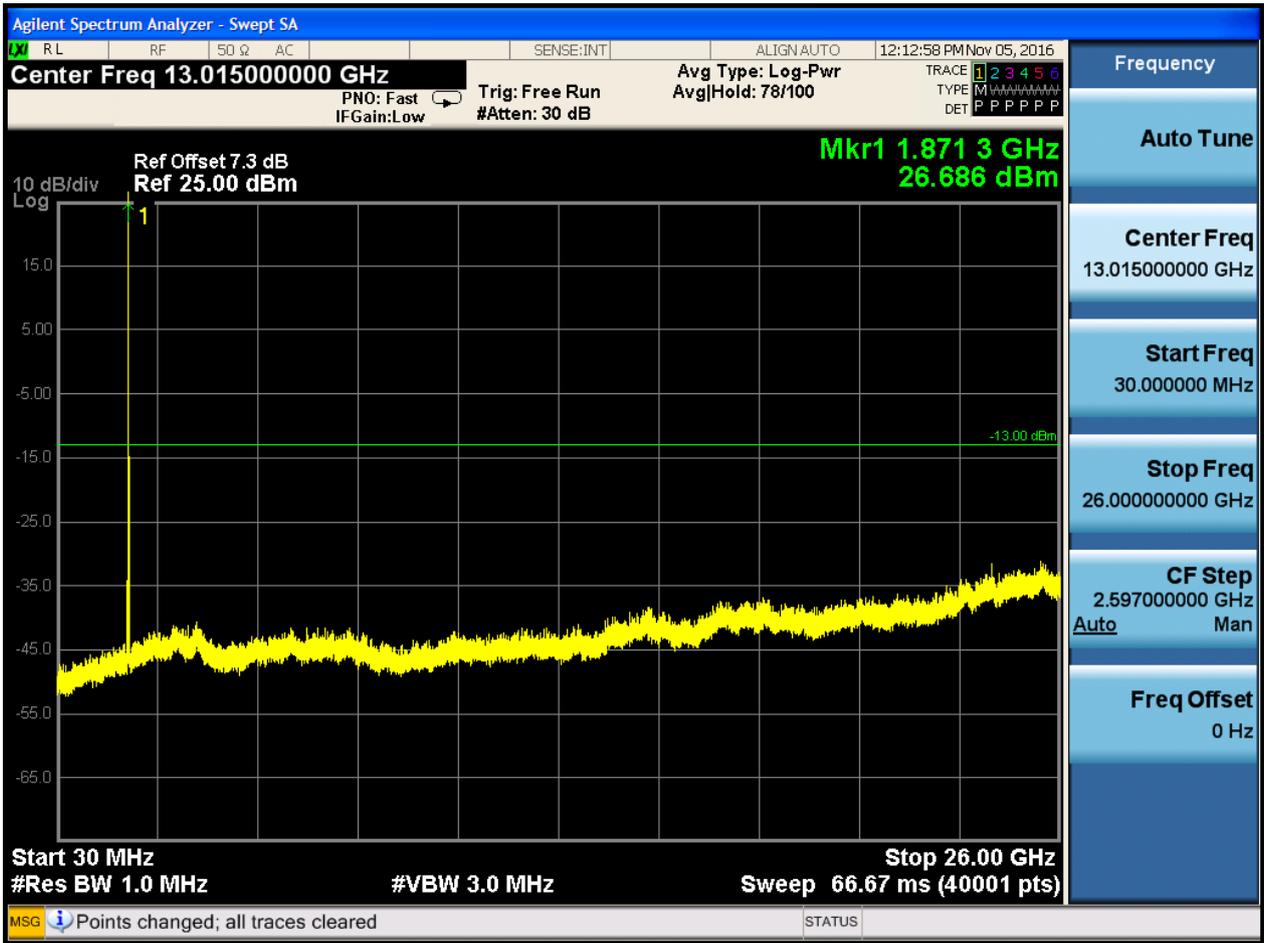




6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0

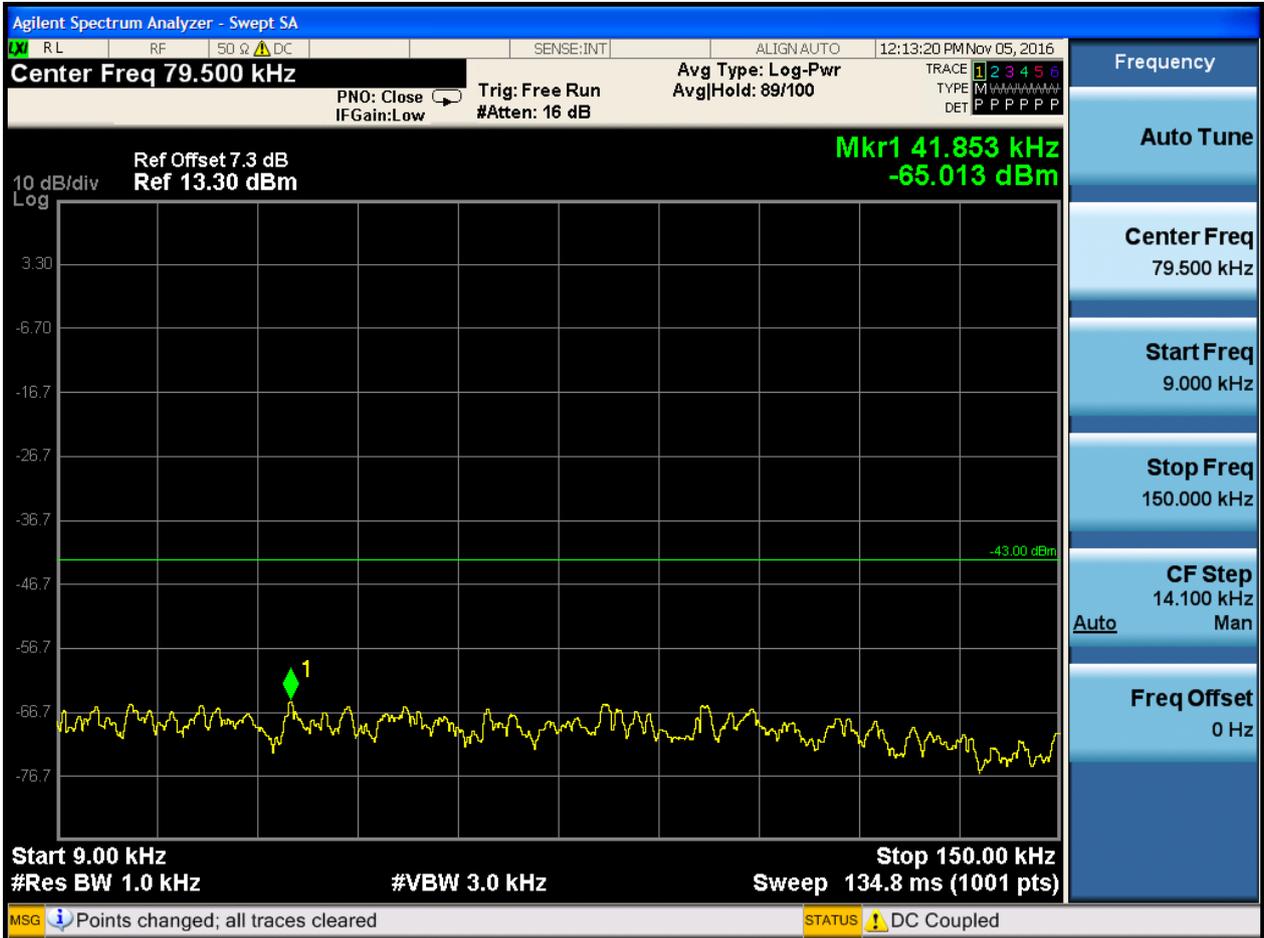


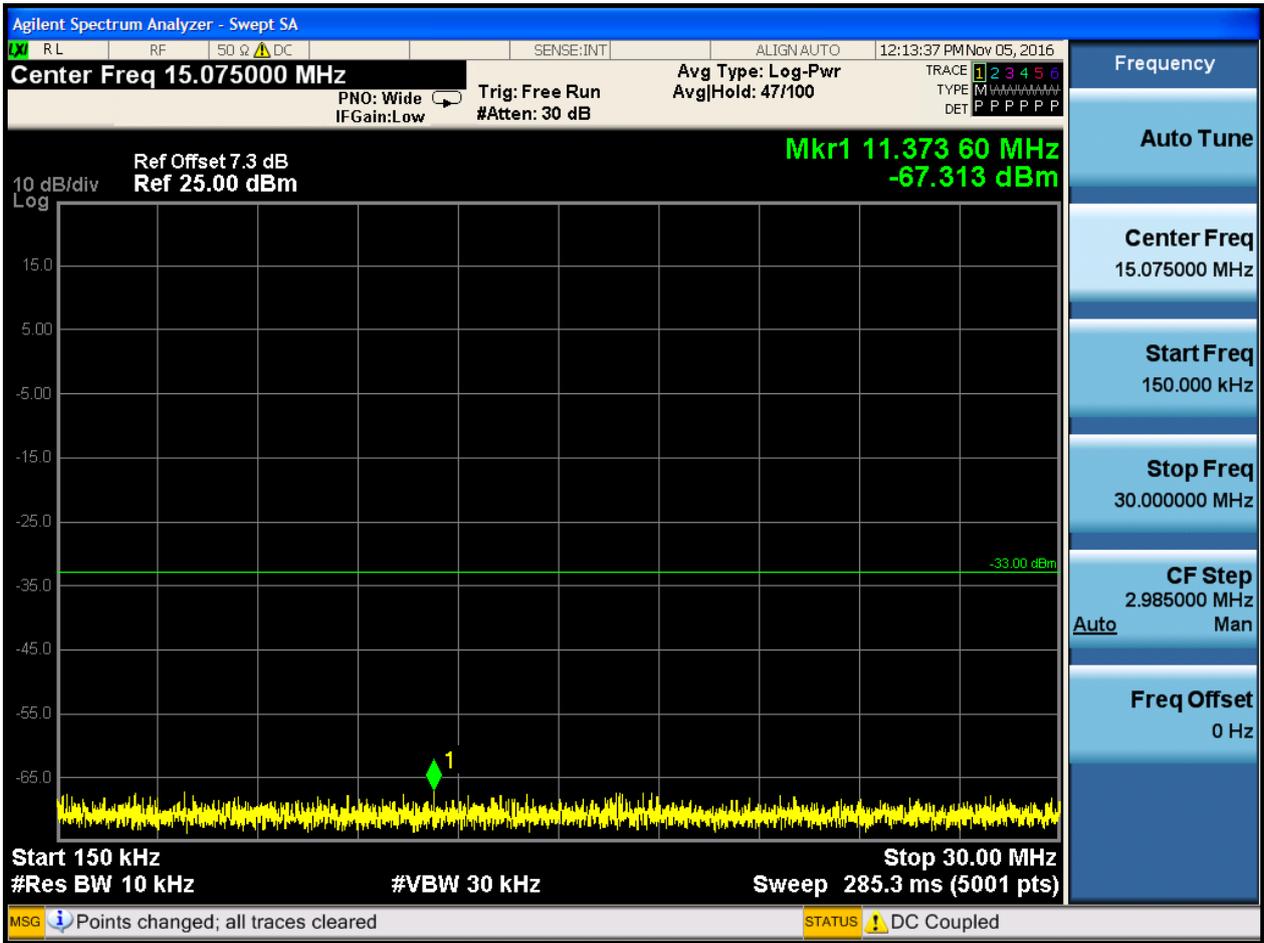


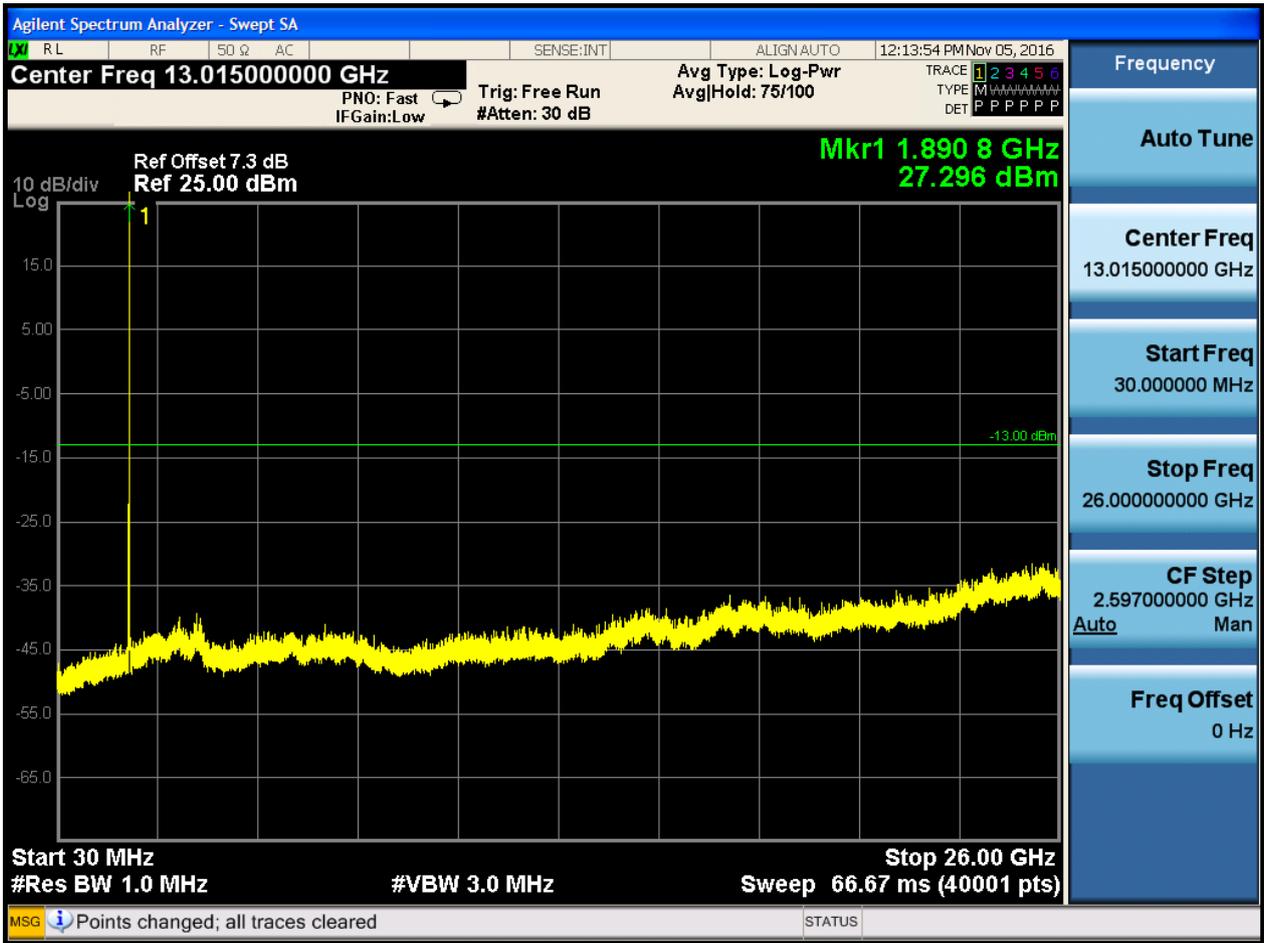


6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 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, 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

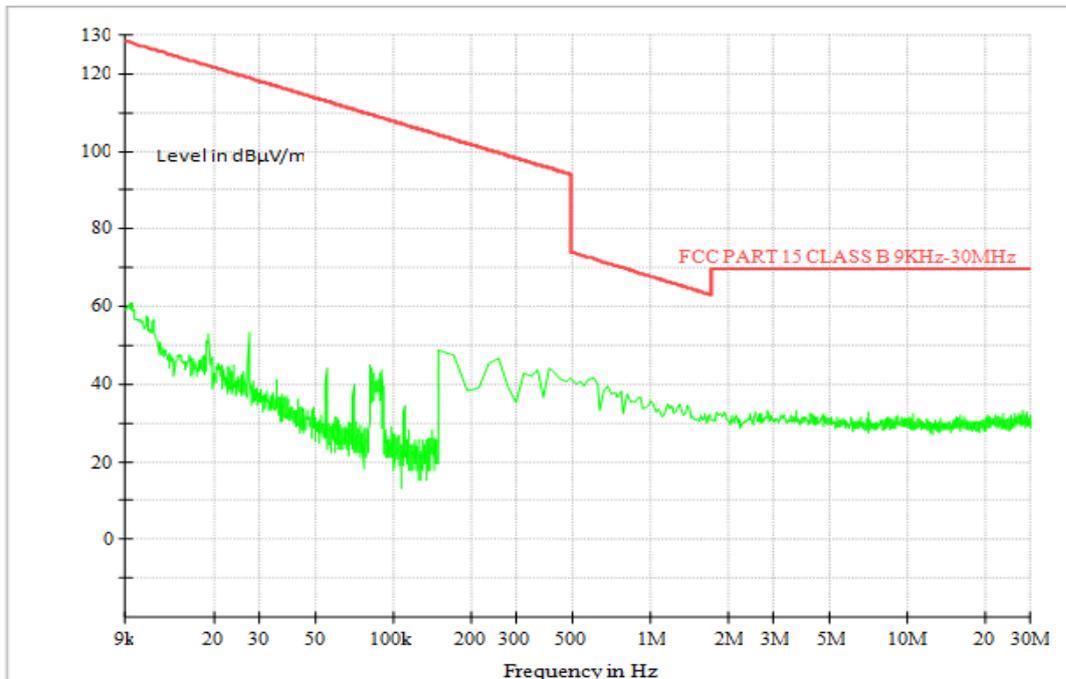
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

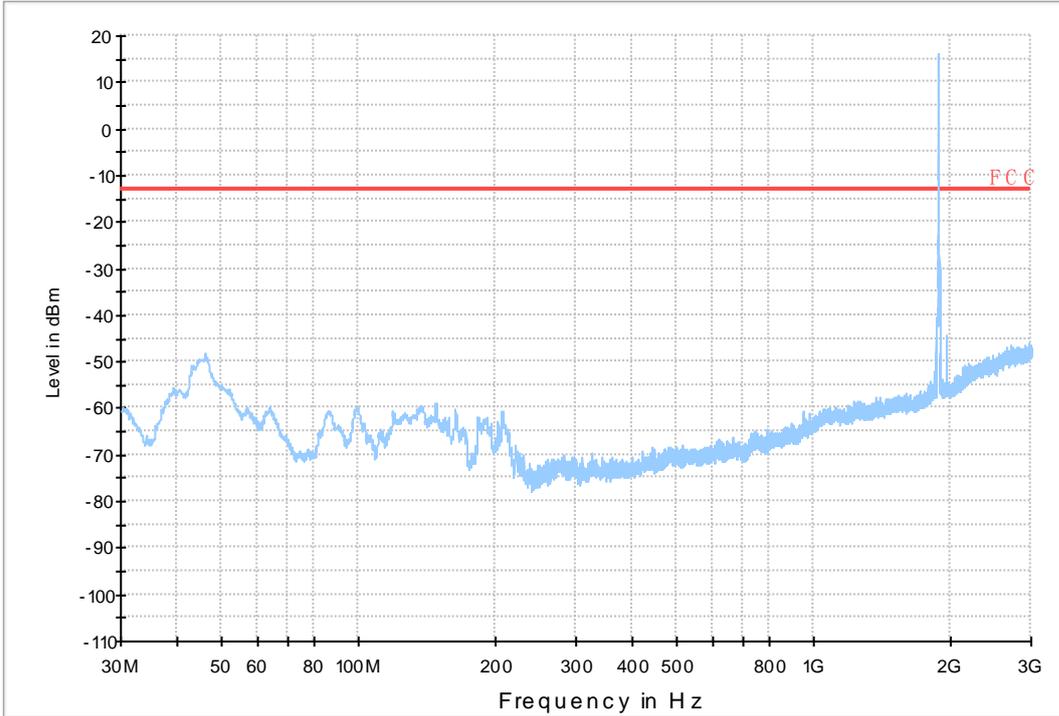
7.1 For LTE

7.1.1 Test Band = BAND2

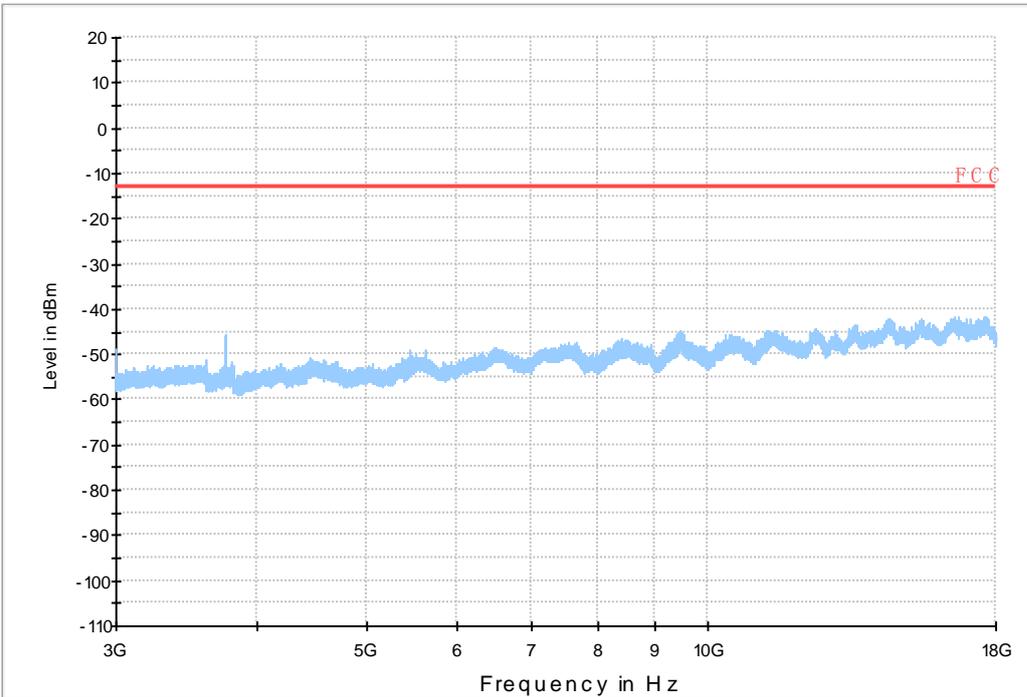
7.1.1.1 Test Bandwidth = 1.4

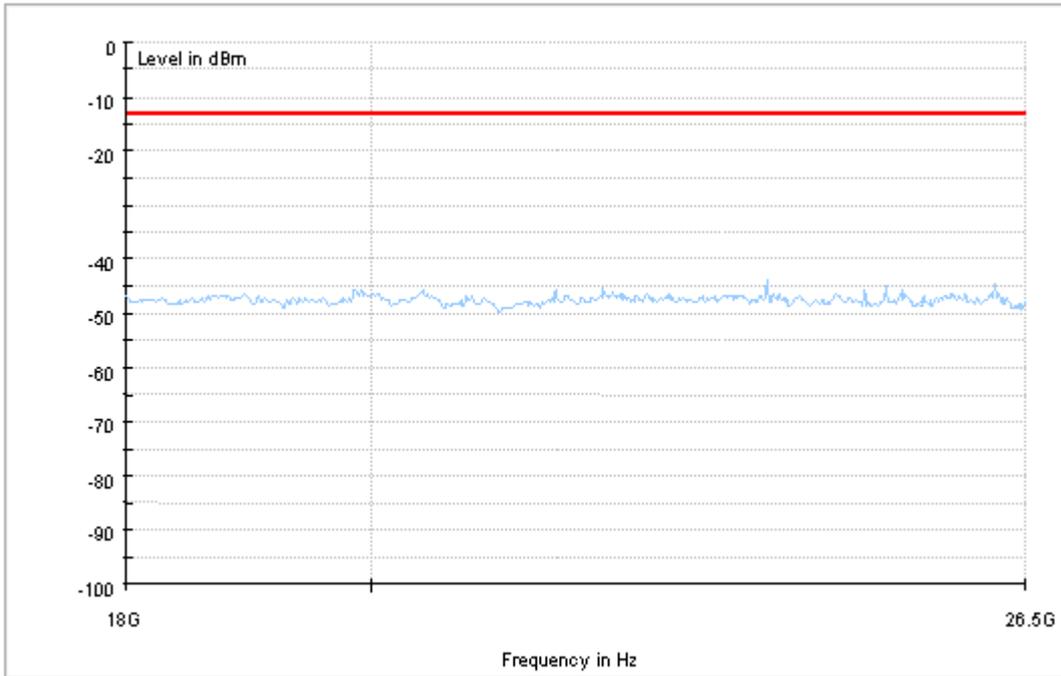


Copy of FCC PART24 LTE Band 2_L

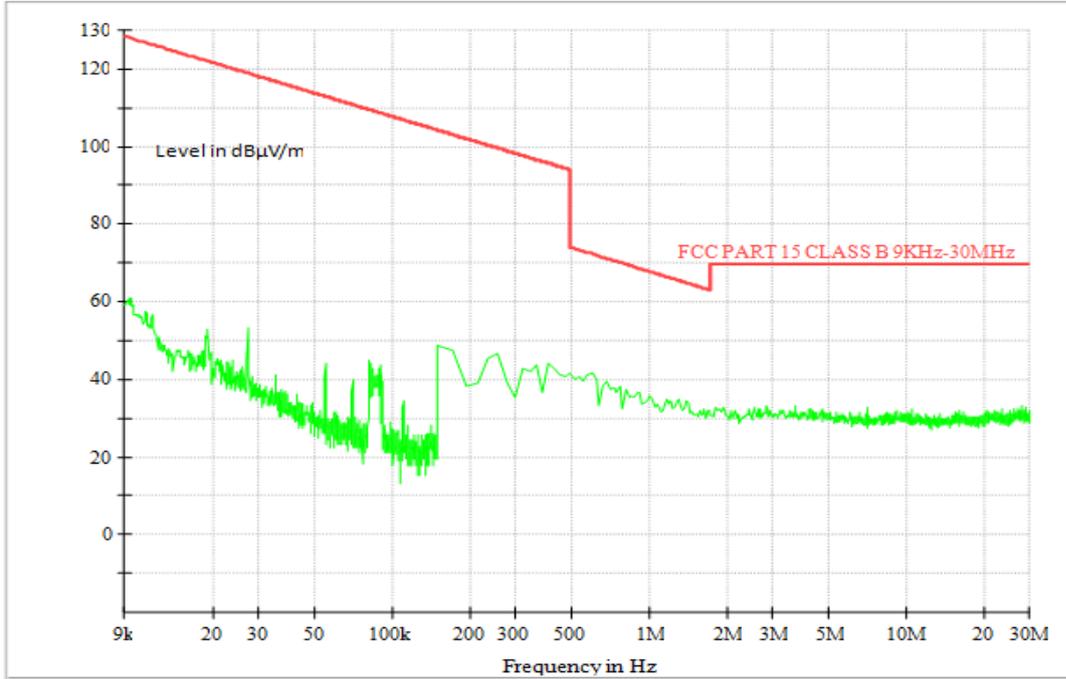


Copy of FCC PART24 LTE Band 2_H

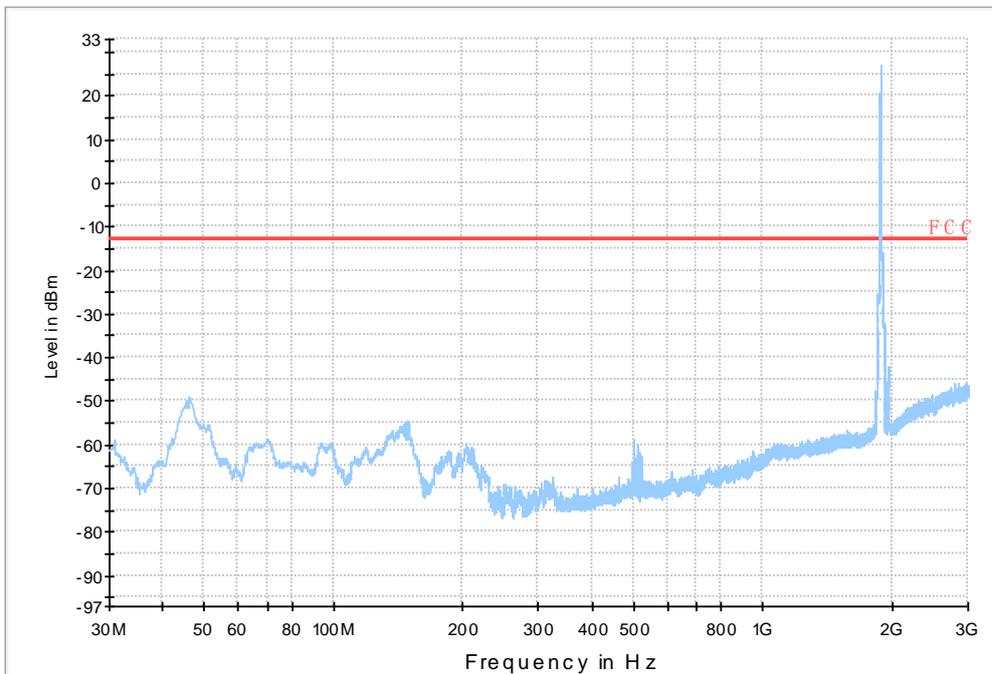




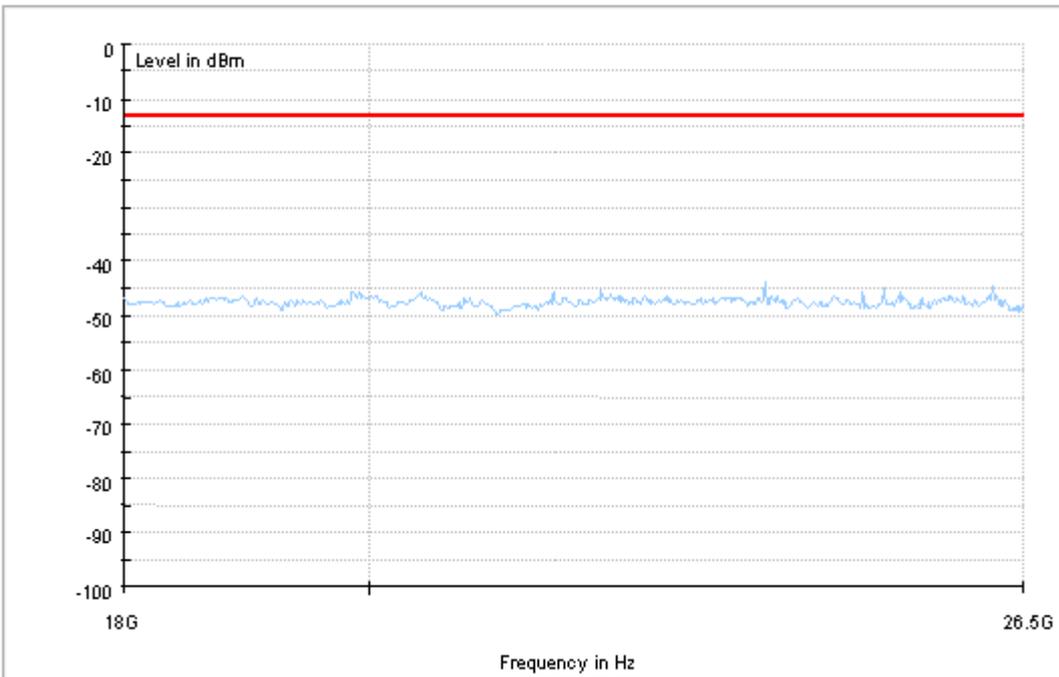
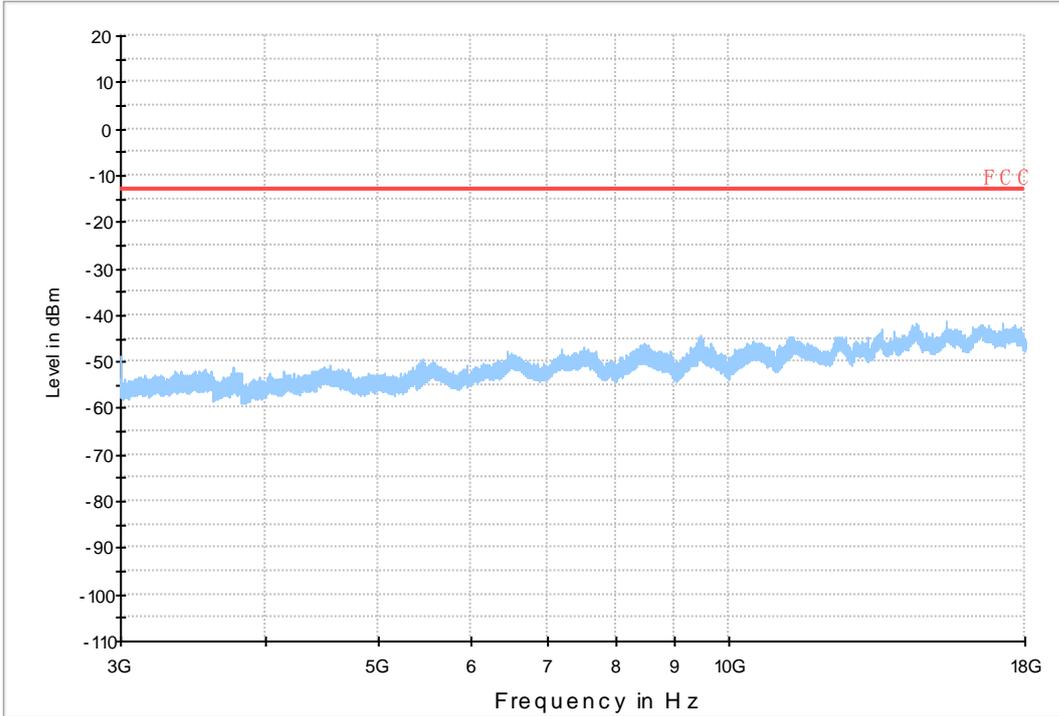
7.1.1.3 Test Bandwidth = 20



Copy of FCC PART24 LTE Band 2_L



Copy of FCC PART24 LTE Band 2_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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND2 | LTE/TM1 | 1.4 | LCH | TN | VL | -10.41 | -0.00562 | PASS |
| | | | | | VN | 0.19 | 0.0001 | PASS |
| | | | | | VH | 1.09 | 0.00059 | PASS |
| | | | MCH | TN | VL | -4.92 | -0.00262 | PASS |
| | | | | | VN | -3.60 | -0.00191 | PASS |
| | | | | | VH | -2.68 | -0.00143 | PASS |
| | | | HCH | TN | VL | -1.60 | -0.00084 | PASS |
| | | | | | VN | 0.30 | 0.00016 | PASS |
| | | | | | VH | -0.66 | -0.00035 | PASS |
| | | 3 | LCH | TN | VL | -5.92 | -0.0032 | PASS |
| | | | | | VN | 1.27 | 0.00069 | PASS |
| | | | | | VH | 3.20 | 0.00173 | PASS |
| | | | MCH | TN | VL | -1.06 | -0.00056 | PASS |
| | | | | | VN | -1.54 | -0.00082 | PASS |
| | | | | | VH | -3.33 | -0.00177 | PASS |
| | | | HCH | TN | VL | -1.43 | -0.00075 | PASS |
| | | | | | VN | 1.75 | 0.00092 | PASS |
| | | | | | VH | 0.31 | 0.00016 | PASS |
| | | 5 | LCH | TN | VL | -5.65 | -0.00305 | PASS |
| | | | | | VN | -0.96 | -0.00052 | PASS |
| | | | | | VH | -0.77 | -0.00042 | PASS |
| | | | MCH | TN | VL | -2.83 | -0.00151 | PASS |
| | | | | | VN | -1.34 | -0.00071 | PASS |
| | | | | | VH | -3.33 | -0.00177 | PASS |
| | | | HCH | TN | VL | 4.88 | 0.00256 | PASS |
| | | | | | VN | 2.45 | 0.00128 | PASS |
| | | | | | VH | 2.60 | 0.00136 | PASS |
| | | 10 | LCH | TN | VL | 3.43 | 0.00185 | PASS |
| | | | | | VN | 2.78 | 0.0015 | PASS |
| | | | | | VH | 3.09 | 0.00167 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|------|
| | LTE/TM2 | 15 | MCH | TN | VL | -0.89 | -0.00047 | PASS | |
| | | | | | VN | 0.21 | 0.00011 | PASS | |
| | | | | | VH | -0.01 | -0.00001 | PASS | |
| | | | HCH | TN | VL | 3.49 | 0.00183 | PASS | |
| | | | | | VN | 1.02 | 0.00054 | PASS | |
| | | | | | VH | 1.04 | 0.00055 | PASS | |
| | | | LCH | TN | VL | -3.56 | -0.00192 | PASS | |
| | | | | | VN | -9.43 | -0.00508 | PASS | |
| | | | | | VH | -1.27 | -0.00068 | PASS | |
| | | | MCH | TN | VL | -0.94 | -0.0005 | PASS | |
| | | | | | VN | -0.82 | -0.00044 | PASS | |
| | | | | | VH | -1.50 | -0.0008 | PASS | |
| | | HCH | TN | VL | 2.92 | 0.00153 | PASS | | |
| | | | | VN | 0.80 | 0.00042 | PASS | | |
| | | | | VH | 0.67 | 0.00035 | PASS | | |
| | | 20 | LCH | TN | VL | 0.26 | 0.00014 | PASS | |
| | | | | | VN | 2.03 | 0.00109 | PASS | |
| | | | | | VH | 0.54 | 0.00029 | PASS | |
| | | | MCH | TN | VL | -0.47 | -0.00025 | PASS | |
| | | | | | VN | -0.53 | -0.00028 | PASS | |
| | | | | | VH | 0.23 | 0.00012 | PASS | |
| | | | HCH | TN | VL | 0.46 | 0.00024 | PASS | |
| | | | | | VN | 1.03 | 0.00054 | PASS | |
| | | | | | VH | 0.39 | 0.00021 | PASS | |
| | | | 1.4 | LCH | TN | VL | -9.00 | -0.00486 | PASS |
| | | | | | | VN | 0.74 | 0.0004 | PASS |
| | | | | | | VH | -0.54 | -0.00029 | PASS |
| | | MCH | | TN | VL | -1.37 | -0.00073 | PASS | |
| | | | | | VN | -0.36 | -0.00019 | PASS | |
| | | | | | VH | -3.35 | -0.00178 | PASS | |
| | | HCH | | TN | VL | 2.50 | 0.00131 | PASS | |
| | | | | | VN | -0.92 | -0.00048 | PASS | |
| | | | | | VH | -2.22 | -0.00116 | PASS | |
| | | 3 | | LCH | TN | VL | -1.67 | -0.0009 | PASS |
| | | | | | | VN | 5.11 | 0.00276 | PASS |
| | | | | | | VH | 1.85 | 0.001 | PASS |
| | | | MCH | TN | VL | 0.84 | 0.00045 | PASS | |
| | | | | | VN | -1.36 | -0.00072 | PASS | |
| | | | | | VH | -2.88 | -0.00153 | PASS | |
| | | HCH | TN | VL | 2.17 | 0.00114 | PASS | | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | | 5 | LCH | TN | VN | 0.93 | 0.00049 | PASS |
| | | | | | VH | -3.15 | -0.00165 | PASS |
| | | | | | VL | -0.46 | -0.00025 | PASS |
| | | | MCH | TN | VN | 0.36 | 0.00019 | PASS |
| | | | | | VH | 3.12 | 0.00168 | PASS |
| | | | | | VL | -0.66 | -0.00035 | PASS |
| | | HCH | TN | VN | -4.43 | -0.00236 | PASS | |
| | | | | VH | -1.70 | -0.0009 | PASS | |
| | | | | VL | 0.49 | 0.00026 | PASS | |
| | | 10 | LCH | TN | VN | 2.07 | 0.00109 | PASS |
| | | | | | VH | 1.70 | 0.00089 | PASS |
| | | | | | VL | -1.04 | -0.00056 | PASS |
| | | | MCH | TN | VN | -1.52 | -0.00082 | PASS |
| | | | | | VH | -0.33 | -0.00018 | PASS |
| | | | | | VL | -2.62 | -0.00139 | PASS |
| | | | HCH | TN | VN | -3.26 | -0.00173 | PASS |
| | | | | | VH | -3.62 | -0.00193 | PASS |
| | | | | | VL | -0.13 | -0.00007 | PASS |
| | | 15 | LCH | TN | VN | 1.37 | 0.00072 | PASS |
| | | | | | VH | -1.54 | -0.00081 | PASS |
| | | | | | VL | 1.63 | 0.00088 | PASS |
| | | | MCH | TN | VN | 2.90 | 0.00156 | PASS |
| | | | | | VH | 0.33 | 0.00018 | PASS |
| | | | | | VL | -3.20 | -0.0017 | PASS |
| | | | HCH | TN | VN | -1.70 | -0.0009 | PASS |
| | | | | | VH | -0.96 | -0.00051 | PASS |
| | | | | | VL | 0.23 | 0.00012 | PASS |
| | | 20 | LCH | TN | VN | -0.44 | -0.00023 | PASS |
| | | | | | VH | -0.83 | -0.00044 | PASS |
| | | | | | VL | 0.26 | 0.00014 | PASS |
| | | | MCH | TN | VN | 0.59 | 0.00032 | PASS |
| | | | | | VH | -1.10 | -0.00059 | PASS |
| | | | | | VL | -0.82 | -0.00044 | PASS |
| | | | HCH | TN | VN | -2.19 | -0.00116 | PASS |
| | | | | | VH | -1.16 | -0.00062 | PASS |
| | | | | | VL | -0.89 | -0.00047 | PASS |
| | | | | | VN | -1.16 | -0.00061 | PASS |
| | | | | | VH | -0.47 | -0.00025 | PASS |
| | | | | | VL | | | |

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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND2 | LTE/TM1 | 1.4 | LCH | VN | -30 | -3.88 | -0.0021 | PASS |
| | | | | | -20 | -0.34 | -0.00018 | PASS |
| | | | | | -10 | 0.66 | 0.00036 | PASS |
| | | | | | 0 | 2.68 | 0.00145 | PASS |
| | | | | | 10 | 0.34 | 0.00018 | PASS |
| | | | | | 20 | 3.10 | 0.00168 | PASS |
| | | | | | 30 | 3.06 | 0.00165 | PASS |
| | | | | | 40 | -1.75 | -0.00095 | PASS |
| | | | | | 50 | -1.85 | -0.001 | PASS |
| | | | MCH | VN | -30 | -5.28 | -0.00281 | PASS |
| | | | | | -20 | -2.10 | -0.00112 | PASS |
| | | | | | -10 | -1.20 | -0.00064 | PASS |
| | | | | | 0 | -0.82 | -0.00044 | PASS |
| | | | | | 10 | -0.43 | -0.00023 | PASS |
| | | | | | 20 | -4.02 | -0.00214 | PASS |
| | | | | | 30 | -1.02 | -0.00054 | PASS |
| | | | | | 40 | -1.46 | -0.00078 | PASS |
| | | | | | 50 | -0.17 | -0.00009 | PASS |
| | | HCH | VN | -30 | -0.16 | -0.00008 | PASS | |
| | | | | -20 | -0.97 | -0.00051 | PASS | |
| | | | | -10 | -1.47 | -0.00077 | PASS | |
| | | | | 0 | -0.64 | -0.00034 | PASS | |
| | | | | 10 | -2.40 | -0.00126 | PASS | |
| | | | | 20 | -1.62 | -0.00085 | PASS | |
| | | | | 30 | -0.10 | -0.00005 | PASS | |
| | | | | 40 | -0.94 | -0.00049 | PASS | |
| | | | | 50 | -2.33 | -0.00122 | PASS | |
| | | 3 | LCH | VN | -30 | -10.23 | -0.00553 | PASS |
| | | | | | -20 | 2.57 | 0.00139 | PASS |
| | | | | | -10 | -1.44 | -0.00078 | PASS |
| | | | | | 0 | -1.03 | -0.00056 | PASS |
| | | | | | 10 | 0.13 | 0.00007 | PASS |
| | | | | | 20 | -0.50 | -0.00027 | PASS |
| | | | | | 30 | -0.33 | -0.00018 | PASS |
| | | | | | 40 | 1.07 | 0.00058 | PASS |
| | | | | | 50 | -3.10 | -0.00167 | PASS |
| MCH | VN | | -30 | -6.68 | -0.00355 | PASS | | |
| | | | -20 | -2.98 | -0.00159 | PASS | | |
| | | | -10 | -6.15 | -0.00327 | PASS | | |
| | | | 0 | -3.23 | -0.00172 | PASS | | |
| | | | | | | | | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|----------|------|
| | | | | | 10 | -5.58 | -0.00297 | PASS | | |
| | | | | | 20 | -2.60 | -0.00138 | PASS | | |
| | | | | | 30 | -4.61 | -0.00245 | PASS | | |
| | | | | | 40 | -4.76 | -0.00253 | PASS | | |
| | | | | | 50 | -2.83 | -0.00151 | PASS | | |
| | | | HCH | VN | -30 | -2.20 | -0.00115 | PASS | | |
| | | | | | -20 | -2.78 | -0.00146 | PASS | | |
| | | | | | -10 | -1.12 | -0.00059 | PASS | | |
| | | | | | 0 | -2.05 | -0.00107 | PASS | | |
| | | | | | 10 | -4.71 | -0.00247 | PASS | | |
| | | | | | 20 | -3.30 | -0.00173 | PASS | | |
| | | | | | 30 | -0.69 | -0.00036 | PASS | | |
| | | | | | 40 | -3.33 | -0.00174 | PASS | | |
| | | | | | 50 | -4.29 | -0.00225 | PASS | | |
| | | | | | LCH | VN | -30 | -4.84 | -0.00261 | PASS |
| | | | | | | | -20 | 2.80 | 0.00151 | PASS |
| | | | | | | | -10 | 1.16 | 0.00063 | PASS |
| | | | | | | | 0 | 0.19 | 0.0001 | PASS |
| | | | | | | | 10 | -3.02 | -0.00163 | PASS |
| | | | | | | | 20 | -3.49 | -0.00188 | PASS |
| | | 30 | -2.46 | -0.00133 | | | PASS | | | |
| | | 40 | -1.99 | -0.00107 | | | PASS | | | |
| | | 50 | 1.67 | 0.0009 | | | PASS | | | |
| | | MCH | VN | -30 | -1.23 | -0.00065 | PASS | | | |
| | | | | -20 | -2.36 | -0.00126 | PASS | | | |
| | | | | -10 | -1.80 | -0.00096 | PASS | | | |
| | | | | 0 | -5.58 | -0.00297 | PASS | | | |
| | | | | 10 | -1.95 | -0.00104 | PASS | | | |
| | | | | 20 | -3.42 | -0.00182 | PASS | | | |
| | | | | 30 | -5.35 | -0.00285 | PASS | | | |
| | | | | 40 | -4.78 | -0.00254 | PASS | | | |
| | | | | 50 | -1.37 | -0.00073 | PASS | | | |
| | | HCH | VN | -30 | 4.22 | 0.00221 | PASS | | | |
| | | | | -20 | 2.98 | 0.00156 | PASS | | | |
| | | | | -10 | 3.92 | 0.00206 | PASS | | | |
| | | | | 0 | 3.09 | 0.00162 | PASS | | | |
| | | | | 10 | 0.90 | 0.00047 | PASS | | | |
| | | | | 20 | 0.43 | 0.00023 | PASS | | | |
| | | | | 30 | 1.23 | 0.00064 | PASS | | | |
| | | | | 40 | -0.29 | -0.00015 | PASS | | | |
| 5 | | | | | | | | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | | 10 | LCH | VN | 50 | 1.66 | 0.00087 | PASS |
| | | | | | -30 | -1.47 | -0.00079 | PASS |
| | | | | | -20 | -0.66 | -0.00036 | PASS |
| | | | | | -10 | -1.69 | -0.00091 | PASS |
| | | | | | 0 | -1.29 | -0.0007 | PASS |
| | | | | | 10 | -1.62 | -0.00087 | PASS |
| | | | | | 20 | -3.15 | -0.0017 | PASS |
| | | | | | 30 | -3.42 | -0.00184 | PASS |
| | | | 40 | -2.02 | -0.00109 | PASS | | |
| | | | 50 | -3.92 | -0.00211 | PASS | | |
| | | | MCH | VN | -30 | -4.98 | -0.00265 | PASS |
| | | | | | -20 | -4.58 | -0.00244 | PASS |
| | | | | | -10 | -5.52 | -0.00294 | PASS |
| | | | | | 0 | -3.88 | -0.00206 | PASS |
| | | | | | 10 | -3.52 | -0.00187 | PASS |
| | | | | | 20 | -4.19 | -0.00223 | PASS |
| | | | | | 30 | -3.66 | -0.00195 | PASS |
| | | | | | 40 | -4.12 | -0.00219 | PASS |
| | | | HCH | VN | -30 | 2.46 | 0.00129 | PASS |
| | | | | | -20 | 0.53 | 0.00028 | PASS |
| | | -10 | | | 0.84 | 0.00044 | PASS | |
| | | 0 | | | -1.04 | -0.00055 | PASS | |
| | | 10 | | | 0.80 | 0.00042 | PASS | |
| | | 20 | | | 1.24 | 0.00065 | PASS | |
| | | 30 | | | 0.79 | 0.00041 | PASS | |
| | | 40 | | | 0.36 | 0.00019 | PASS | |
| | | 15 | LCH | VN | -30 | 3.38 | 0.00182 | PASS |
| | | | | | -20 | 1.50 | 0.00081 | PASS |
| | | | | | -10 | 5.04 | 0.00271 | PASS |
| | | | | | 0 | 1.20 | 0.00065 | PASS |
| | | | | | 10 | 1.33 | 0.00072 | PASS |
| | | | | | 20 | 2.60 | 0.0014 | PASS |
| | | | | | 30 | 2.33 | 0.00125 | PASS |
| | | | | | 40 | 3.75 | 0.00202 | PASS |
| | | | 50 | 0.37 | 0.0002 | PASS | | |
| | | | MCH | VN | -30 | -1.46 | -0.00078 | PASS |
| | | | | | -20 | -1.56 | -0.00083 | PASS |
| | | | | | -10 | -1.16 | -0.00062 | PASS |
| | | | | | | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | | | | | 0 | 0.06 | 0.00003 | PASS |
| | | | | | 10 | 0.37 | 0.0002 | PASS |
| | | | | | 20 | -0.97 | -0.00052 | PASS |
| | | | | | 30 | -3.49 | -0.00186 | PASS |
| | | | | | 40 | -3.58 | -0.0019 | PASS |
| | | | | | 50 | -3.15 | -0.00168 | PASS |
| | | | HCH | VN | -30 | 0.87 | 0.00046 | PASS |
| | | | | | -20 | -2.40 | -0.00126 | PASS |
| | | | | | -10 | -1.56 | -0.00082 | PASS |
| | | | | | 0 | -1.77 | -0.00093 | PASS |
| | | | | | 10 | -0.41 | -0.00022 | PASS |
| | | | | | 20 | -1.49 | -0.00078 | PASS |
| | | | LCH | VN | 30 | 0.23 | 0.00012 | PASS |
| | | | | | 40 | 1.17 | 0.00061 | PASS |
| | | | | | 50 | -2.78 | -0.00146 | PASS |
| | | | | | -30 | -0.92 | -0.00049 | PASS |
| | | | | | -20 | -0.77 | -0.00041 | PASS |
| | | | | | -10 | -0.19 | -0.0001 | PASS |
| | | MCH | VN | 0 | 0.63 | 0.00034 | PASS | |
| | | | | 10 | -1.19 | -0.00064 | PASS | |
| | | | | 20 | 7.08 | 0.00381 | PASS | |
| | | | | 30 | -10.91 | -0.00587 | PASS | |
| | | | | 40 | -7.05 | -0.00379 | PASS | |
| | | | | 50 | -1.00 | -0.00054 | PASS | |
| | | | | -30 | 1.43 | 0.00076 | PASS | |
| | | | | -20 | 2.49 | 0.00132 | PASS | |
| | | | | -10 | -0.74 | -0.00039 | PASS | |
| | | HCH | VN | 0 | 1.02 | 0.00054 | PASS | |
| | | | | 10 | -1.99 | -0.00106 | PASS | |
| | | | | 20 | -1.02 | -0.00054 | PASS | |
| | | | | 30 | -2.26 | -0.0012 | PASS | |
| | | | | 40 | -1.63 | -0.00087 | PASS | |
| | | | | 50 | -1.22 | -0.00065 | PASS | |
| | | | | -30 | 4.16 | 0.00219 | PASS | |
| | | -20 | 2.10 | 0.00111 | PASS | | | |
| | | -10 | 1.04 | 0.00055 | PASS | | | |
| | | | | | 0 | 1.30 | 0.00068 | PASS |
| | | | | | 10 | -1.53 | -0.00081 | PASS |
| | | | | | 20 | -1.26 | -0.00066 | PASS |
| | | | | | 30 | 3.02 | 0.00159 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | LTE/TM2 | 1.4 | LCH | VN | 40 | 4.11 | 0.00216 | PASS |
| | | | | | 50 | 1.85 | 0.00097 | PASS |
| | | | | | -30 | -5.59 | -0.00302 | PASS |
| | | | | | -20 | 3.66 | 0.00198 | PASS |
| | | | | | -10 | -1.59 | -0.00086 | PASS |
| | | | | | 0 | 3.45 | 0.00186 | PASS |
| | | | | | 10 | 1.54 | 0.00083 | PASS |
| | | | | | 20 | -0.43 | -0.00023 | PASS |
| | | | | | 30 | 0.70 | 0.00038 | PASS |
| | | | 40 | -1.26 | -0.00068 | PASS | | |
| | | | 50 | -1.36 | -0.00073 | PASS | | |
| | | | MCH | VN | -30 | 0.03 | 0.00002 | PASS |
| | | | | | -20 | 1.00 | 0.00053 | PASS |
| | | | | | -10 | -1.54 | -0.00082 | PASS |
| | | | | | 0 | 0.92 | 0.00049 | PASS |
| | | | | | 10 | -0.07 | -0.00004 | PASS |
| | | | | | 20 | 0.03 | 0.00002 | PASS |
| | | | | | 30 | -0.60 | -0.00032 | PASS |
| | | 40 | | | -2.72 | -0.00145 | PASS | |
| | | 50 | | | -2.05 | -0.00109 | PASS | |
| | | HCH | VN | -30 | 3.73 | 0.00195 | PASS | |
| | | | | -20 | 2.57 | 0.00135 | PASS | |
| | | | | -10 | 1.56 | 0.00082 | PASS | |
| | | | | 0 | 0.13 | 0.00007 | PASS | |
| | | | | 10 | 1.17 | 0.00061 | PASS | |
| | | | | 20 | 1.52 | 0.0008 | PASS | |
| | | | | 30 | -4.49 | -0.00235 | PASS | |
| | | | | 40 | 2.75 | 0.00144 | PASS | |
| | | | | 50 | -3.92 | -0.00205 | PASS | |
| | | 3 | LCH | VN | -30 | -3.02 | -0.00163 | PASS |
| | | | | | -20 | 1.69 | 0.00091 | PASS |
| | | | | | -10 | 2.30 | 0.00124 | PASS |
| | | | | | 0 | 2.72 | 0.00147 | PASS |
| | | | | | 10 | -0.67 | -0.00036 | PASS |
| | | | | | 20 | -0.97 | -0.00052 | PASS |
| | | | | | 30 | 1.00 | 0.00054 | PASS |
| 40 | 0.29 | | | | 0.00016 | PASS | | |
| 50 | 0.63 | | | | 0.00034 | PASS | | |
| MCH | VN | | -30 | -1.87 | -0.00099 | PASS | | |
| | | | -20 | -0.72 | -0.00038 | PASS | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|---------|------|
| | | | | | -10 | -3.16 | -0.00168 | PASS | | |
| | | | | | 0 | -3.26 | -0.00173 | PASS | | |
| | | | | | 10 | 0.16 | 0.00009 | PASS | | |
| | | | | | 20 | -3.68 | -0.00196 | PASS | | |
| | | | | | 30 | -0.59 | -0.00031 | PASS | | |
| | | | | | 40 | -3.30 | -0.00176 | PASS | | |
| | | | | | 50 | -1.20 | -0.00064 | PASS | | |
| | | | HCH | VN | -30 | 3.00 | 0.00157 | PASS | | |
| | | | | | -20 | 1.23 | 0.00064 | PASS | | |
| | | | | | -10 | 1.90 | 0.001 | PASS | | |
| | | | | | 0 | 0.92 | 0.00048 | PASS | | |
| | | | | | 10 | 1.17 | 0.00061 | PASS | | |
| | | | | | 20 | -2.90 | -0.00152 | PASS | | |
| | | | | | 30 | -4.41 | -0.00231 | PASS | | |
| | | LCH | VN | 40 | -4.75 | -0.00249 | PASS | | | |
| | | | | 50 | -0.27 | -0.00014 | PASS | | | |
| | | | | -30 | 0.94 | 0.00051 | PASS | | | |
| | | | | -20 | 2.36 | 0.00127 | PASS | | | |
| | | | | -10 | 0.67 | 0.00036 | PASS | | | |
| | | | | 0 | 2.02 | 0.00109 | PASS | | | |
| | | | | 10 | 0.62 | 0.00033 | PASS | | | |
| | | MCH | VN | 20 | 1.95 | 0.00105 | PASS | | | |
| | | | | 30 | 0.70 | 0.00038 | PASS | | | |
| | | | | 40 | -3.60 | -0.00194 | PASS | | | |
| | | | | 50 | -1.67 | -0.0009 | PASS | | | |
| | | | | -30 | -1.73 | -0.00092 | PASS | | | |
| | | | | -20 | -2.45 | -0.0013 | PASS | | | |
| | | | | -10 | -2.99 | -0.00159 | PASS | | | |
| | | HCH | VN | 0 | -4.88 | -0.0026 | PASS | | | |
| | | | | 10 | -4.99 | -0.00265 | PASS | | | |
| | | | | 20 | -2.06 | -0.0011 | PASS | | | |
| | | | | 30 | -5.35 | -0.00285 | PASS | | | |
| | | | | 40 | -2.72 | -0.00145 | PASS | | | |
| | | | | 50 | -3.53 | -0.00188 | PASS | | | |
| | | | | -30 | 6.01 | 0.00315 | PASS | | | |
| | | | | 5 | HCH | VN | -20 | 0.30 | 0.00016 | PASS |
| | | | | | | | -10 | 0.63 | 0.00033 | PASS |
| | | | | | | | 0 | 3.20 | 0.00168 | PASS |
| | | | | | | | 10 | 1.49 | 0.00078 | PASS |
| | | | | | | | 20 | 0.07 | 0.00004 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | | 10 | | | 30 | 0.93 | 0.00049 | PASS |
| | | | | | 40 | -1.09 | -0.00057 | PASS |
| | | | | | 50 | 0.46 | 0.00024 | PASS |
| | | | LCH | VN | -30 | -5.16 | -0.00278 | PASS |
| | | | | | -20 | -1.76 | -0.00095 | PASS |
| | | | | | -10 | -3.06 | -0.00165 | PASS |
| | | | | | 0 | -4.49 | -0.00242 | PASS |
| | | | | | 10 | -4.63 | -0.0025 | PASS |
| | | | | | 20 | -4.69 | -0.00253 | PASS |
| | | 30 | | | -3.00 | -0.00162 | PASS | |
| | | 40 | | | -5.01 | -0.0027 | PASS | |
| | | 50 | | | -4.45 | -0.0024 | PASS | |
| | | MCH | VN | -30 | -2.93 | -0.00156 | PASS | |
| | | | | -20 | -2.40 | -0.00128 | PASS | |
| | | | | -10 | -2.17 | -0.00115 | PASS | |
| | | | | 0 | -2.72 | -0.00145 | PASS | |
| | | | | 10 | -2.40 | -0.00128 | PASS | |
| | | | | 20 | -2.16 | -0.00115 | PASS | |
| | | | | 30 | -3.82 | -0.00203 | PASS | |
| | | | | 40 | -3.25 | -0.00173 | PASS | |
| | | | | 50 | -2.95 | -0.00157 | PASS | |
| | | HCH | VN | -30 | 2.36 | 0.00124 | PASS | |
| | | | | -20 | 0.92 | 0.00048 | PASS | |
| | | | | -10 | 0.57 | 0.0003 | PASS | |
| | | | | 0 | 0.77 | 0.0004 | PASS | |
| | | | | 10 | 0.76 | 0.0004 | PASS | |
| | | | | 20 | 0.99 | 0.00052 | PASS | |
| | | | | 30 | 0.79 | 0.00041 | PASS | |
| | | | | 40 | 0.73 | 0.00038 | PASS | |
| | | | | 50 | 1.52 | 0.0008 | PASS | |
| | | 15 | LCH | VN | -30 | 4.15 | 0.00223 | PASS |
| | | | | | -20 | 2.68 | 0.00144 | PASS |
| | | | | | -10 | 3.65 | 0.00197 | PASS |
| 0 | 2.30 | | | | 0.00124 | PASS | | |
| 10 | 1.80 | | | | 0.00097 | PASS | | |
| 20 | 1.43 | | | | 0.00077 | PASS | | |
| 30 | 2.19 | | | | 0.00118 | PASS | | |
| 40 | 2.79 | | | | 0.0015 | PASS | | |
| 50 | 3.75 | | | | 0.00202 | PASS | | |
| MCH | VN | | -30 | -0.87 | -0.00046 | PASS | | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|----------|------|
| | | | | | -20 | 0.01 | 0.00001 | PASS | | |
| | | | | | -10 | 0.40 | 0.00021 | PASS | | |
| | | | | | 0 | -0.13 | -0.00007 | PASS | | |
| | | | | | 10 | -0.49 | -0.00026 | PASS | | |
| | | | | | 20 | -0.24 | -0.00013 | PASS | | |
| | | | | | 30 | -0.51 | -0.00027 | PASS | | |
| | | | | | 40 | -0.80 | -0.00043 | PASS | | |
| | | | | | 50 | 0.29 | 0.00015 | PASS | | |
| | | | HCH | VN | -30 | -0.53 | -0.00028 | PASS | | |
| | | | | | -20 | 1.90 | 0.001 | PASS | | |
| | | | | | -10 | 1.82 | 0.00096 | PASS | | |
| | | | | | 0 | 1.50 | 0.00079 | PASS | | |
| | | | | | 10 | 1.40 | 0.00074 | PASS | | |
| | | | | | 20 | 1.65 | 0.00087 | PASS | | |
| | | | | | 30 | 2.07 | 0.00109 | PASS | | |
| | | | | | 40 | 1.10 | 0.00058 | PASS | | |
| | | | | | | | -30 | -0.06 | -0.00003 | PASS |
| | | | | | | | -20 | -0.24 | -0.00013 | PASS |
| | | | | | | | -10 | -0.33 | -0.00018 | PASS |
| | | | | | | | 0 | 0.53 | 0.00028 | PASS |
| | | | | | | | 10 | -1.33 | -0.00072 | PASS |
| | | | | | | | 20 | -1.95 | -0.00105 | PASS |
| | | | | | | | 30 | -1.14 | -0.00061 | PASS |
| | | | | | | | 40 | -1.86 | -0.001 | PASS |
| | | | | LCH | VN | 50 | 6.94 | 0.00373 | PASS | |
| | | | | | | -30 | -1.19 | -0.00063 | PASS | |
| | | | | | | -20 | -3.53 | -0.00188 | PASS | |
| | | | | | | -10 | -3.81 | -0.00203 | PASS | |
| | | | | | | 0 | -3.83 | -0.00204 | PASS | |
| | | | | | | 10 | -1.76 | -0.00094 | PASS | |
| | | | | | | 20 | -2.50 | -0.00133 | PASS | |
| | | | | | | 30 | -2.43 | -0.00129 | PASS | |
| | | MCH | VN | 40 | -3.15 | -0.00168 | PASS | | | |
| | | | | 50 | -3.55 | -0.00189 | PASS | | | |
| | | | | -30 | -0.62 | -0.00033 | PASS | | | |
| | | | | -20 | -0.99 | -0.00052 | PASS | | | |
| | | | | -10 | 0.87 | 0.00046 | PASS | | | |
| | | | | 0 | 0.24 | 0.00013 | PASS | | | |
| | | | | 10 | -2.06 | -0.00108 | PASS | | | |
| | | | | HCH | VN | 10 | -2.06 | -0.00108 | PASS | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | | | | | 20 | -1.33 | -0.0007 | PASS |
| | | | | | 30 | -1.29 | -0.00068 | PASS |
| | | | | | 40 | -1.26 | -0.00066 | PASS |
| | | | | | 50 | -1.32 | -0.00069 | PASS |

END