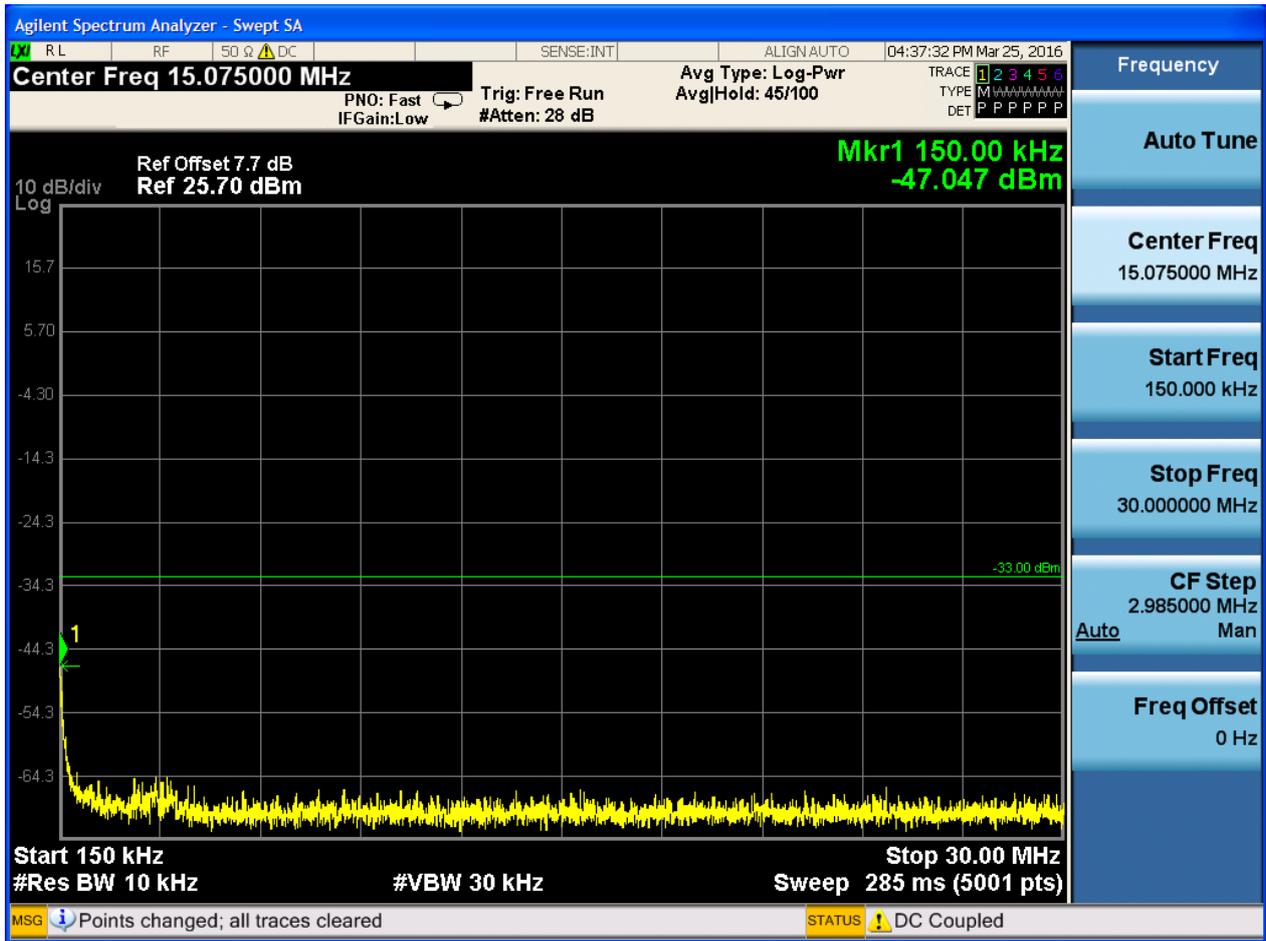
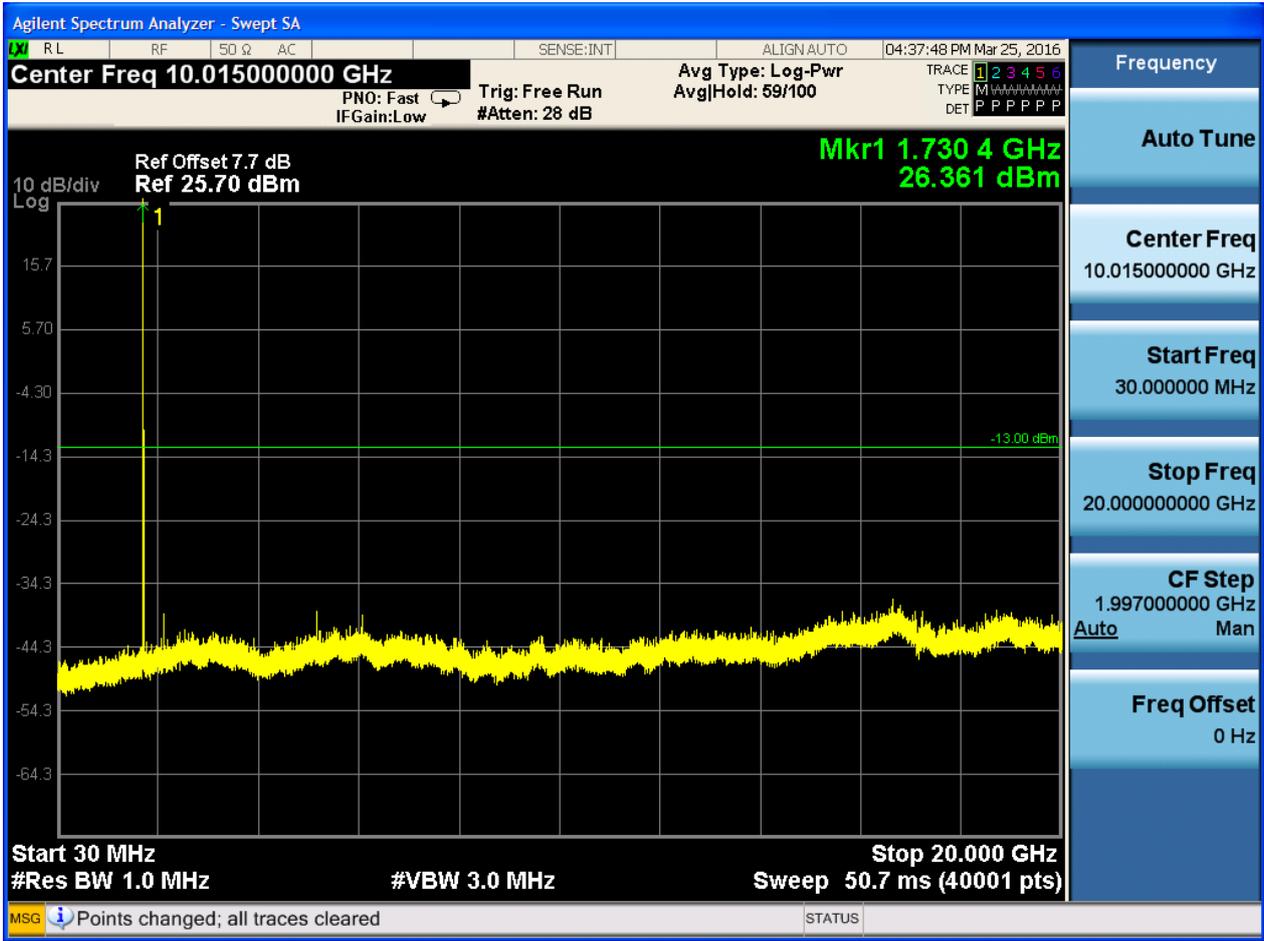


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



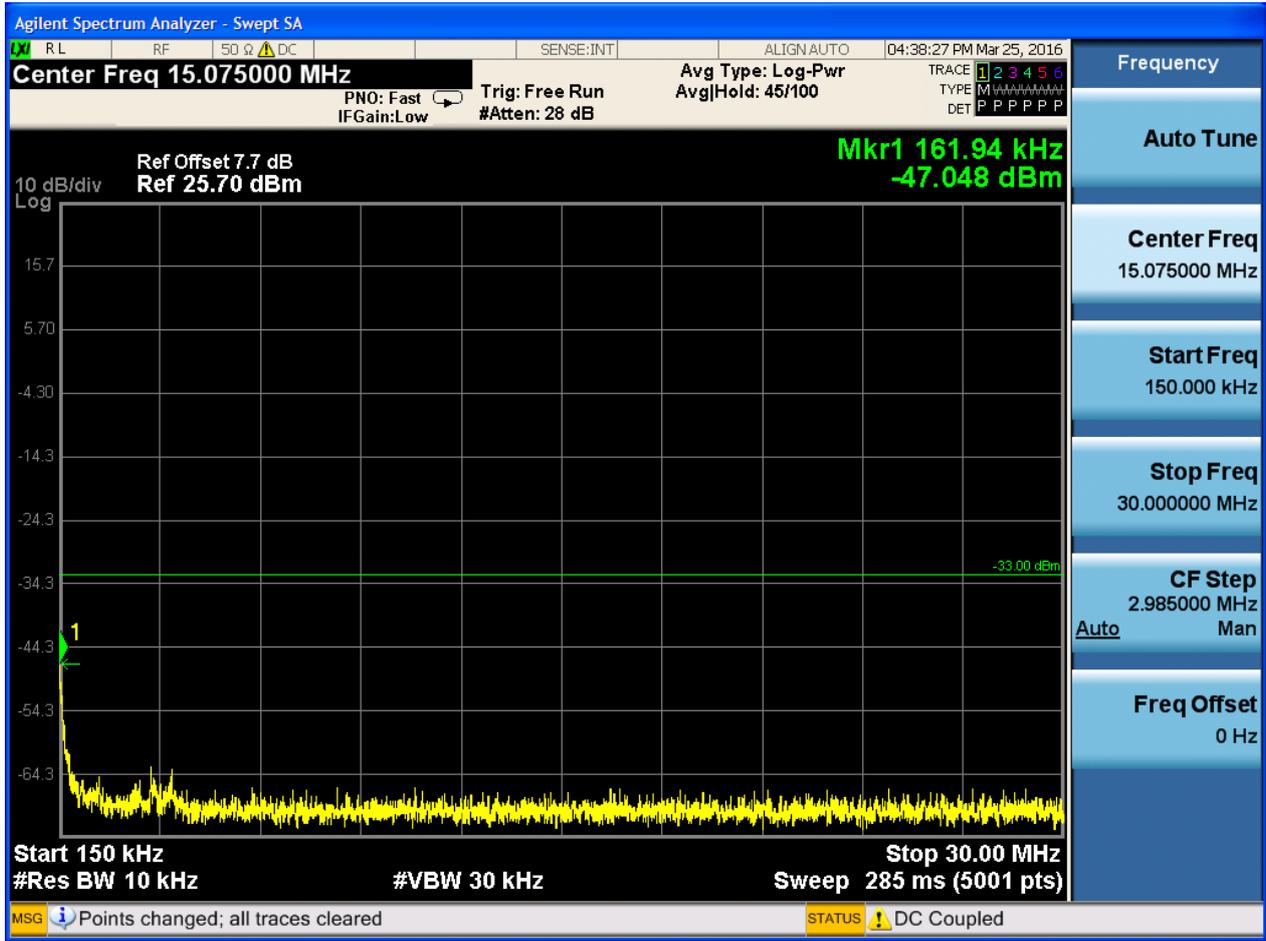


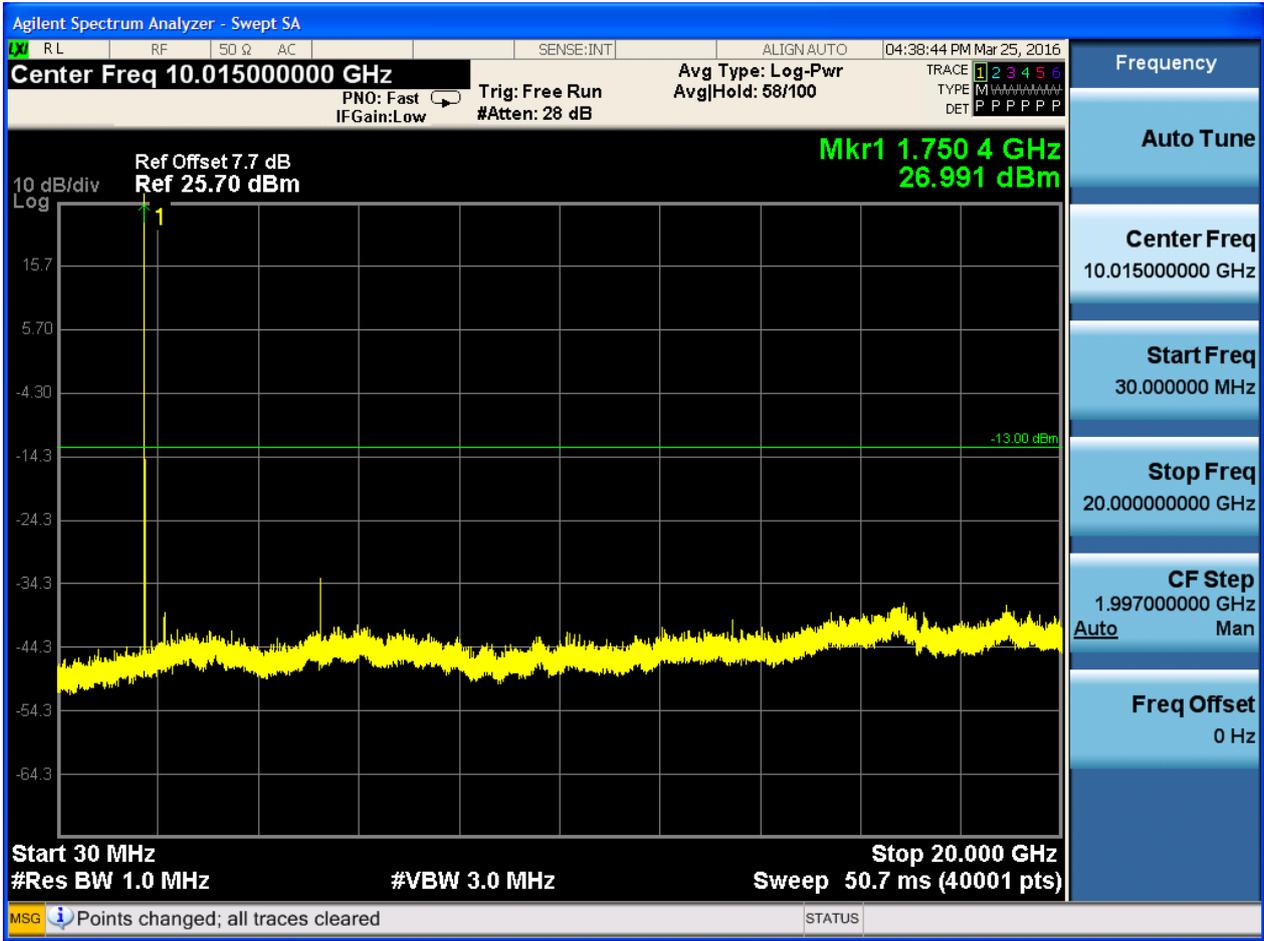


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







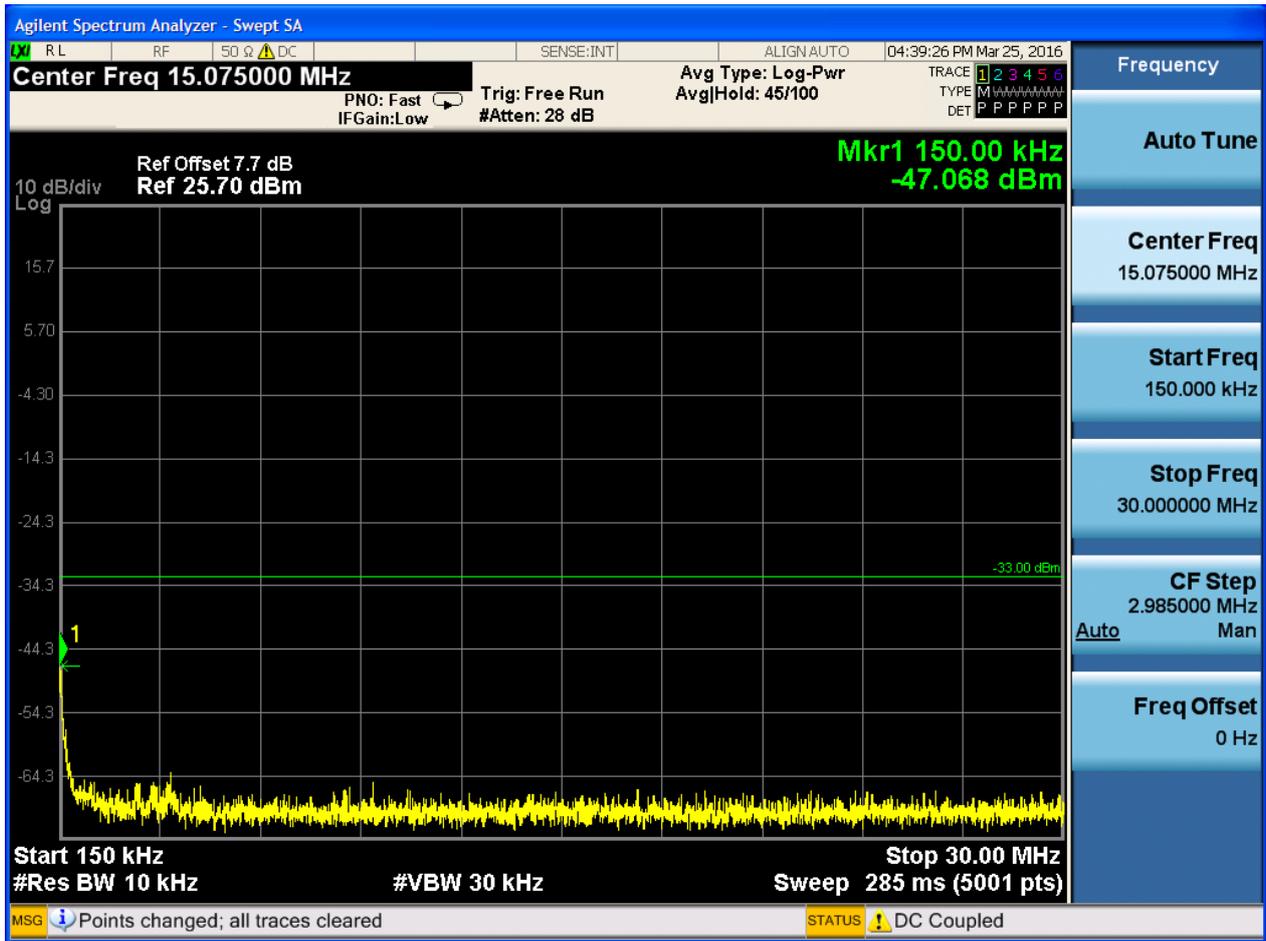


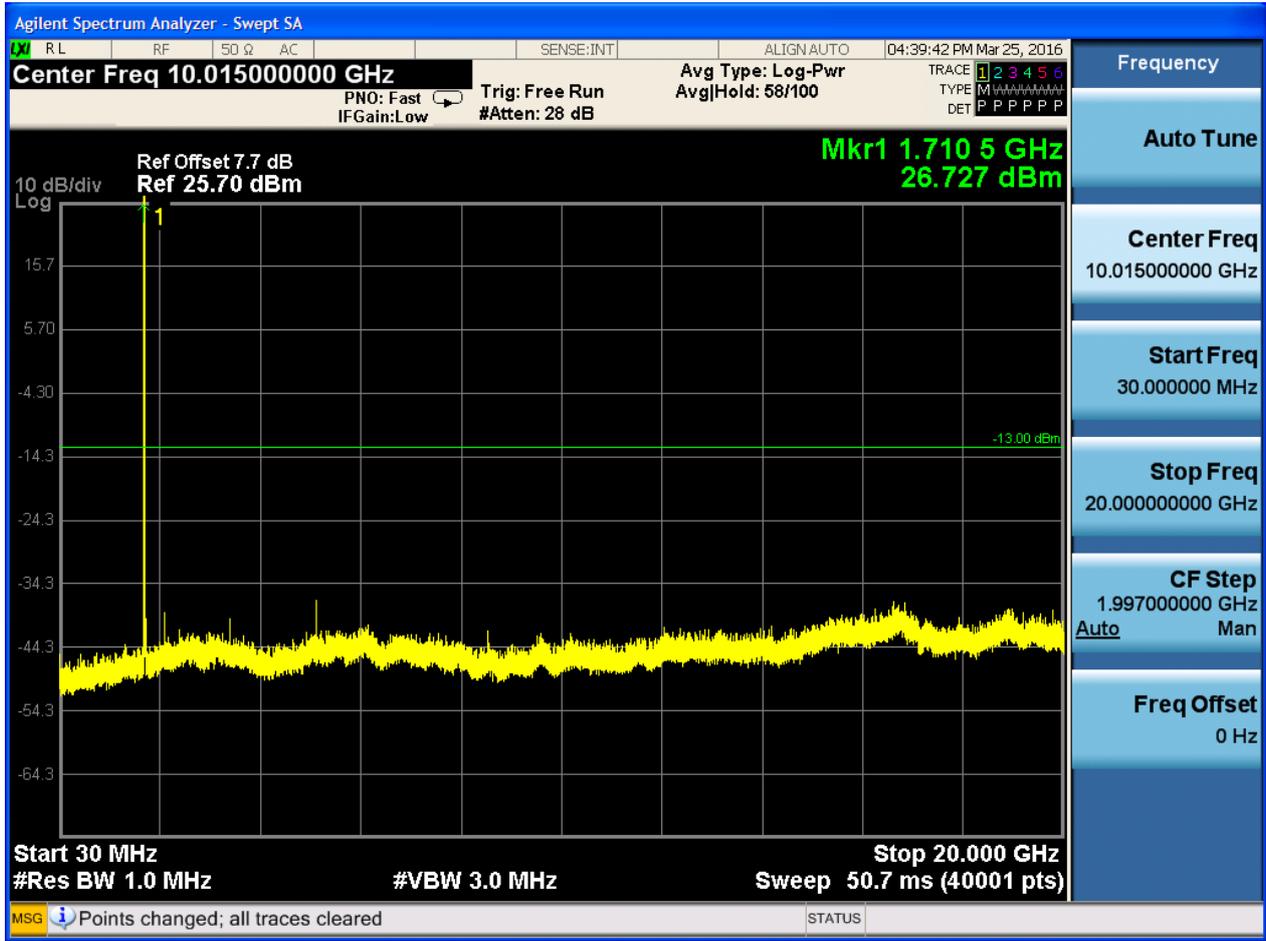
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



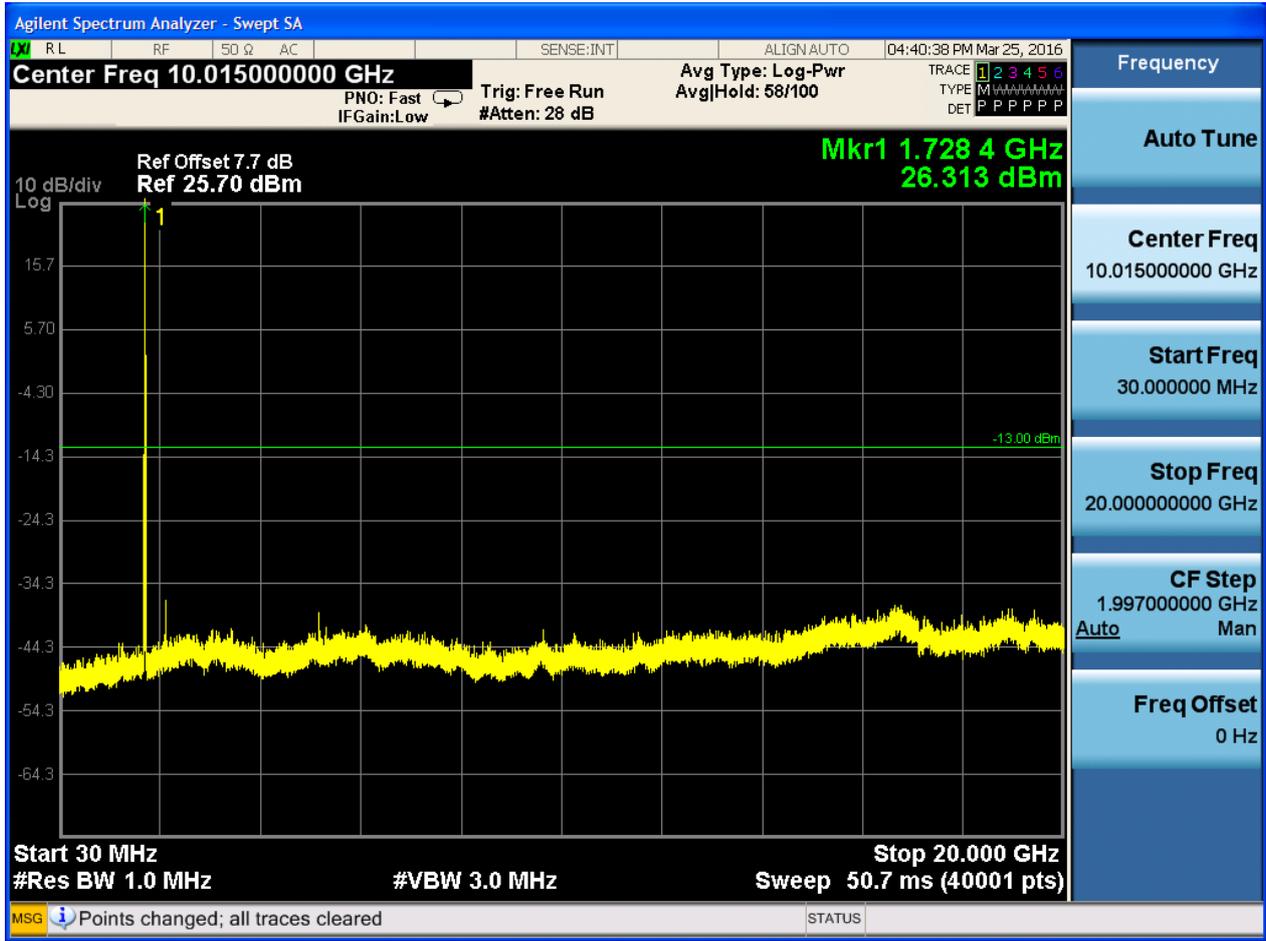




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

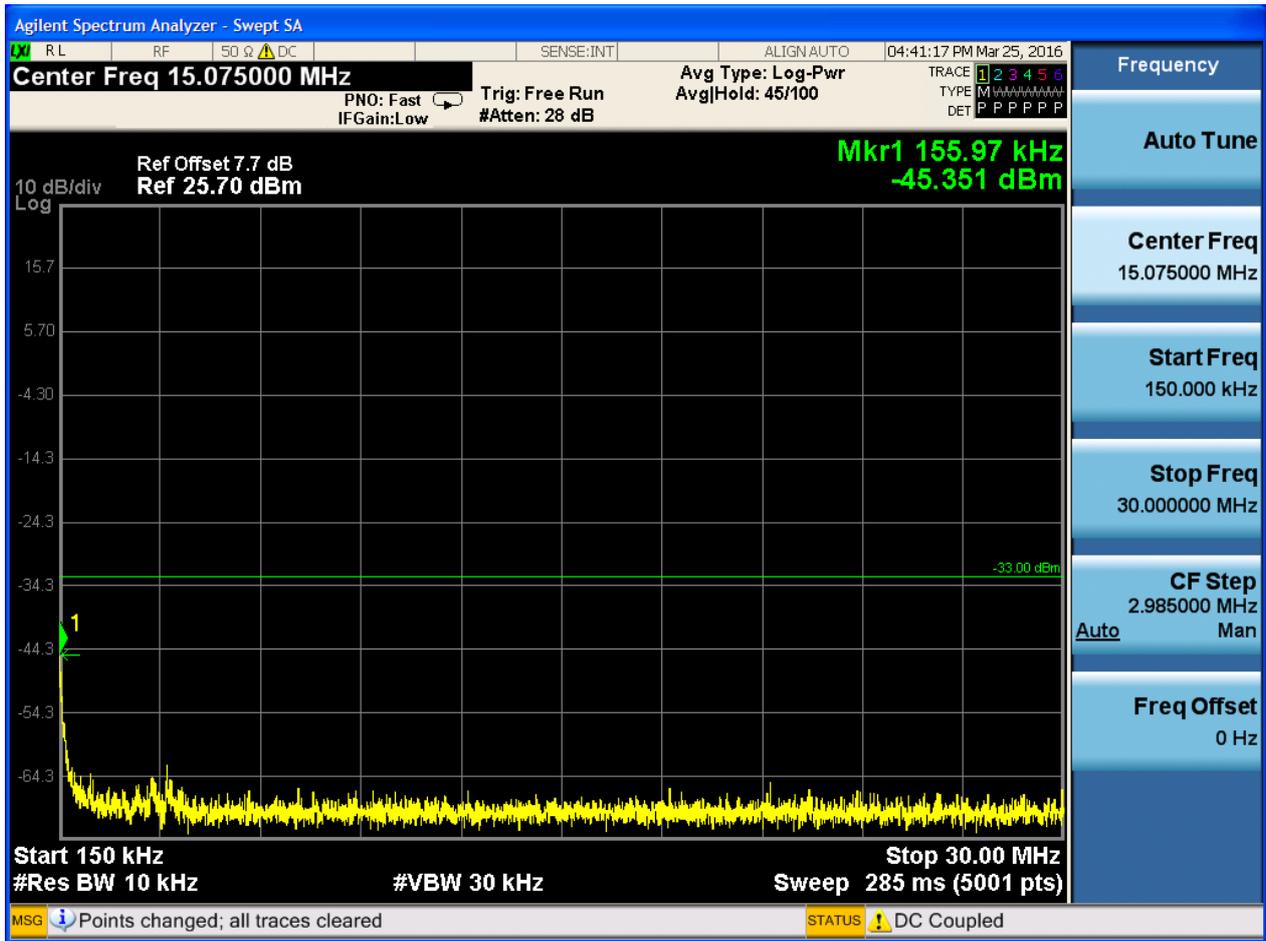


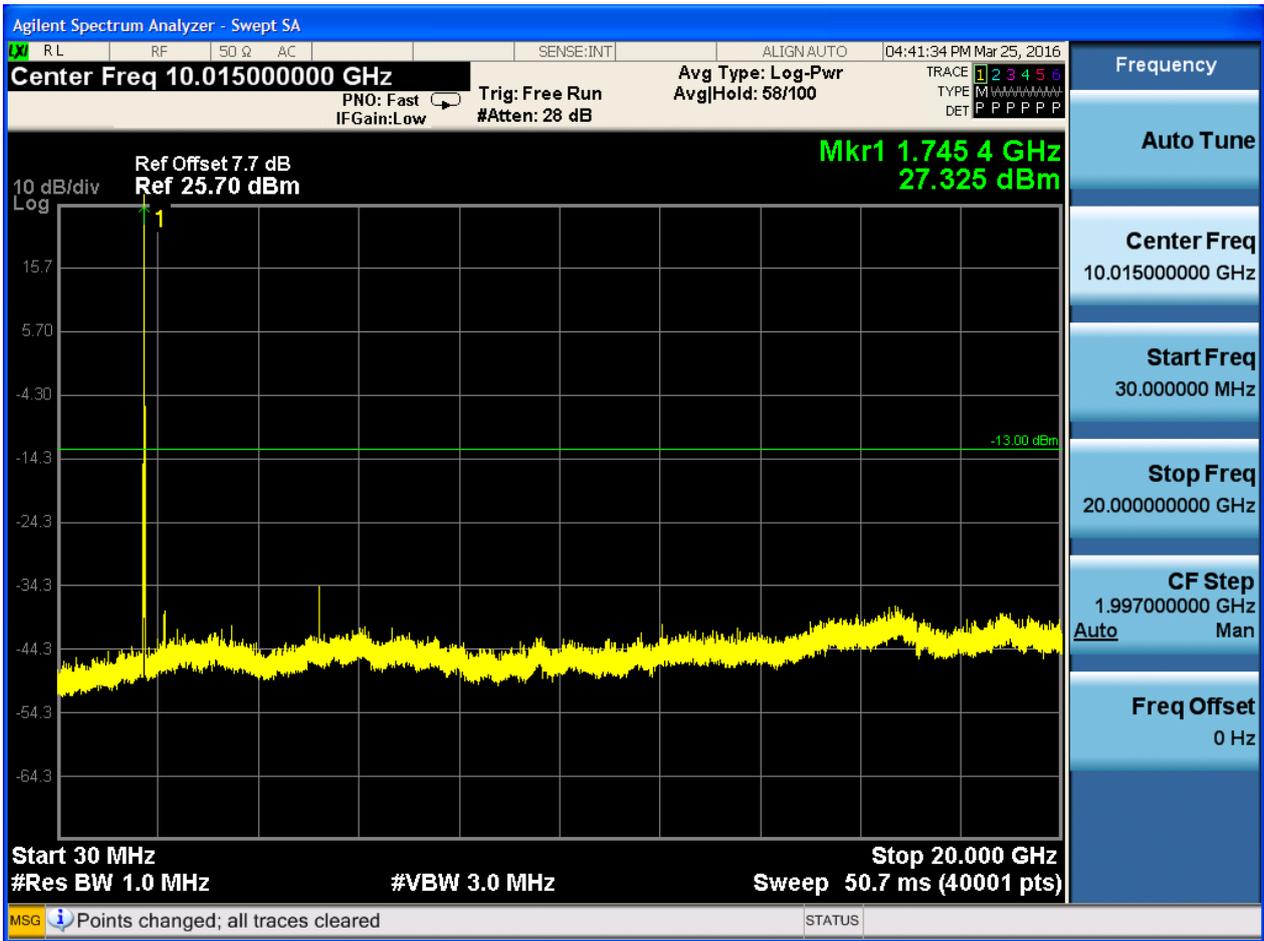


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







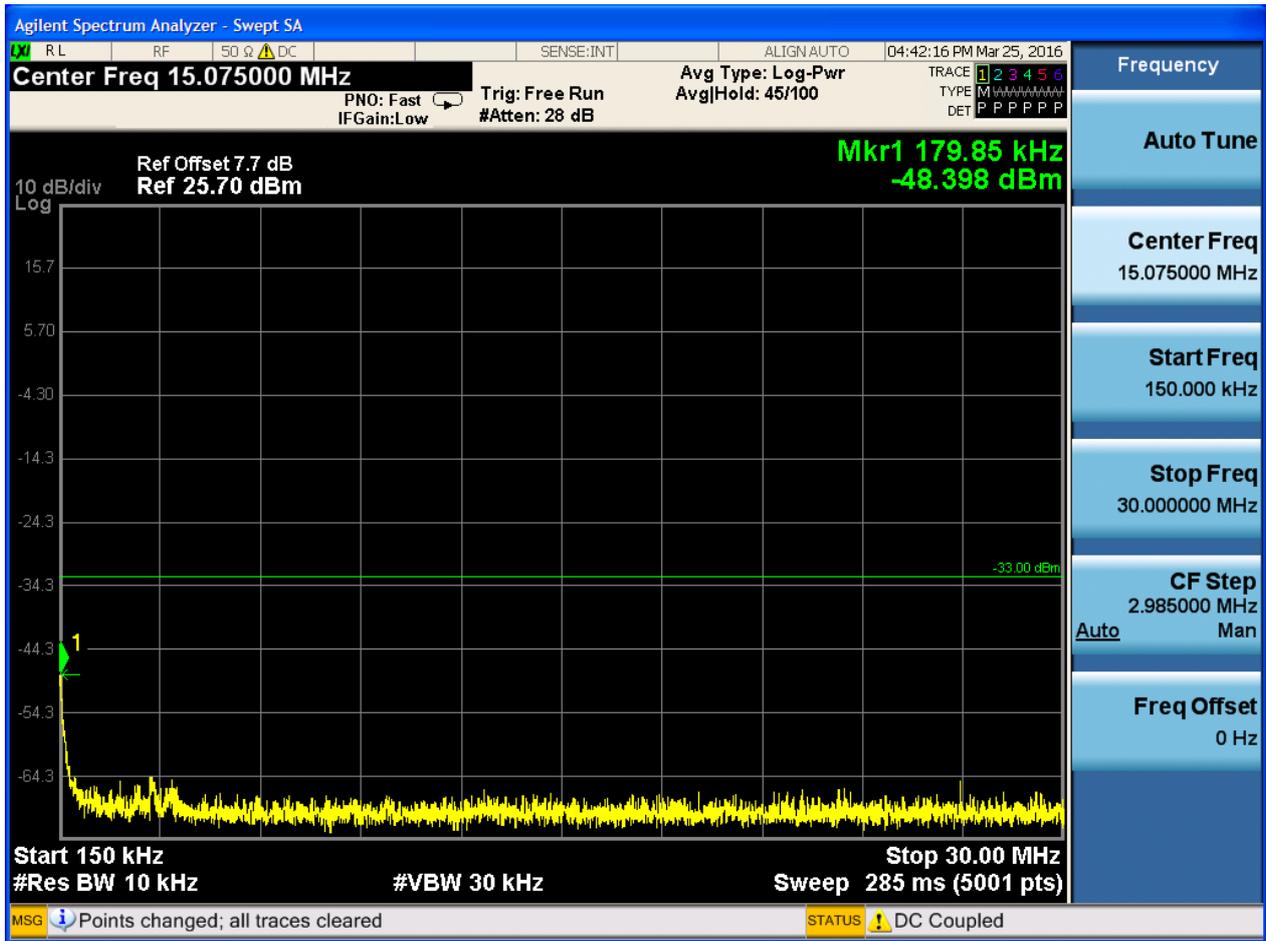


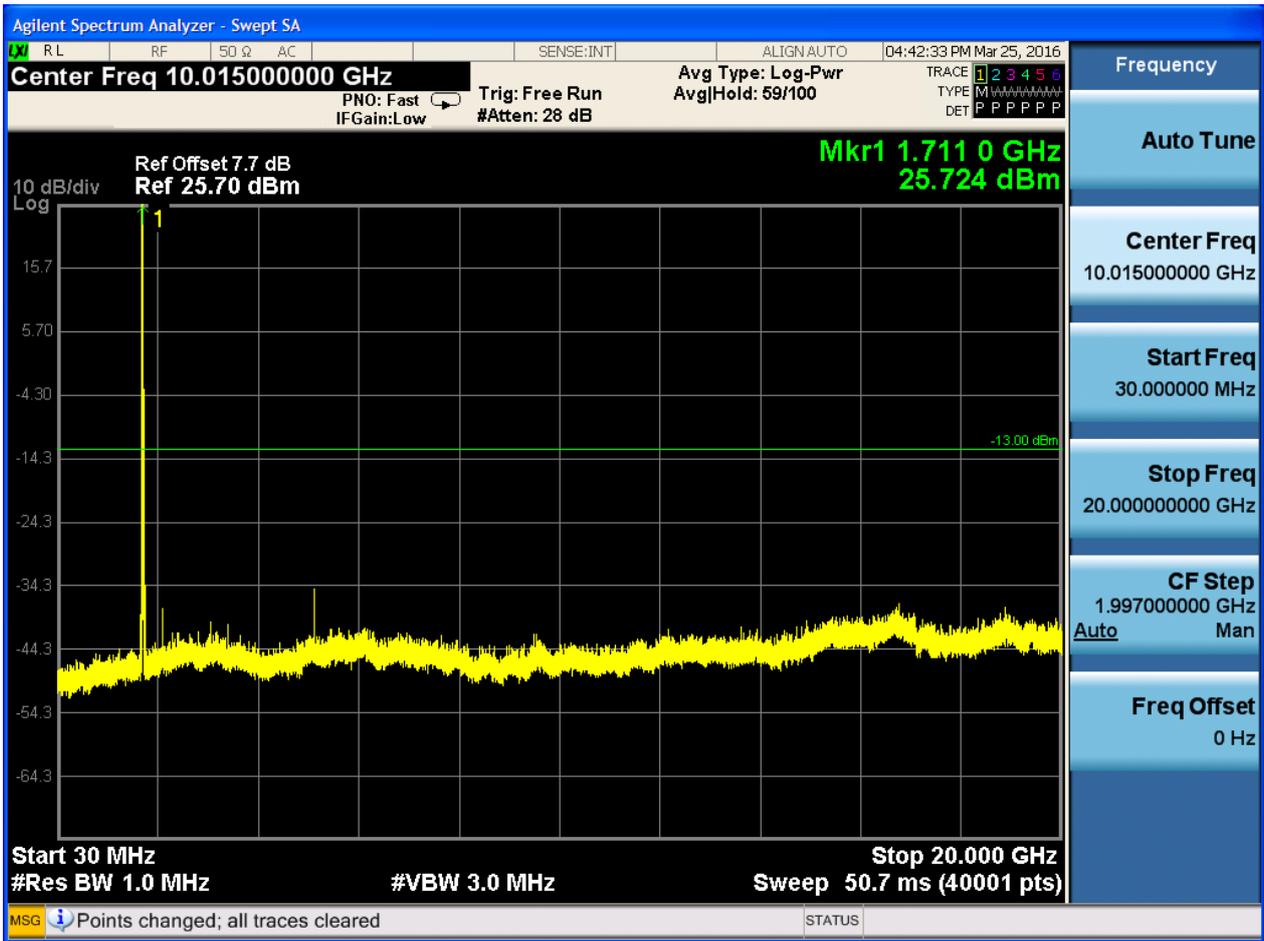
6.1.1.2.5 Test Bandwidth = 15

6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0





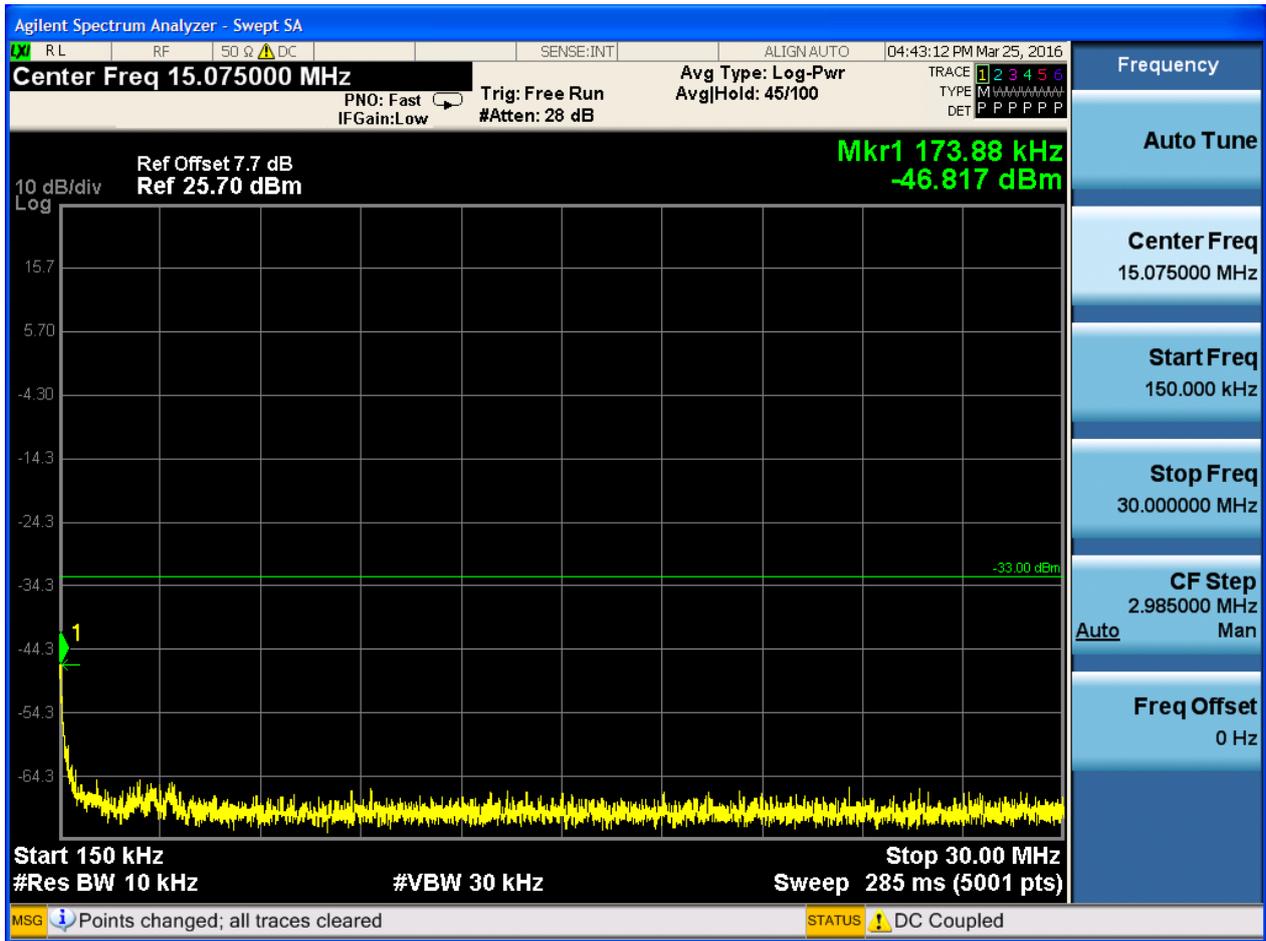


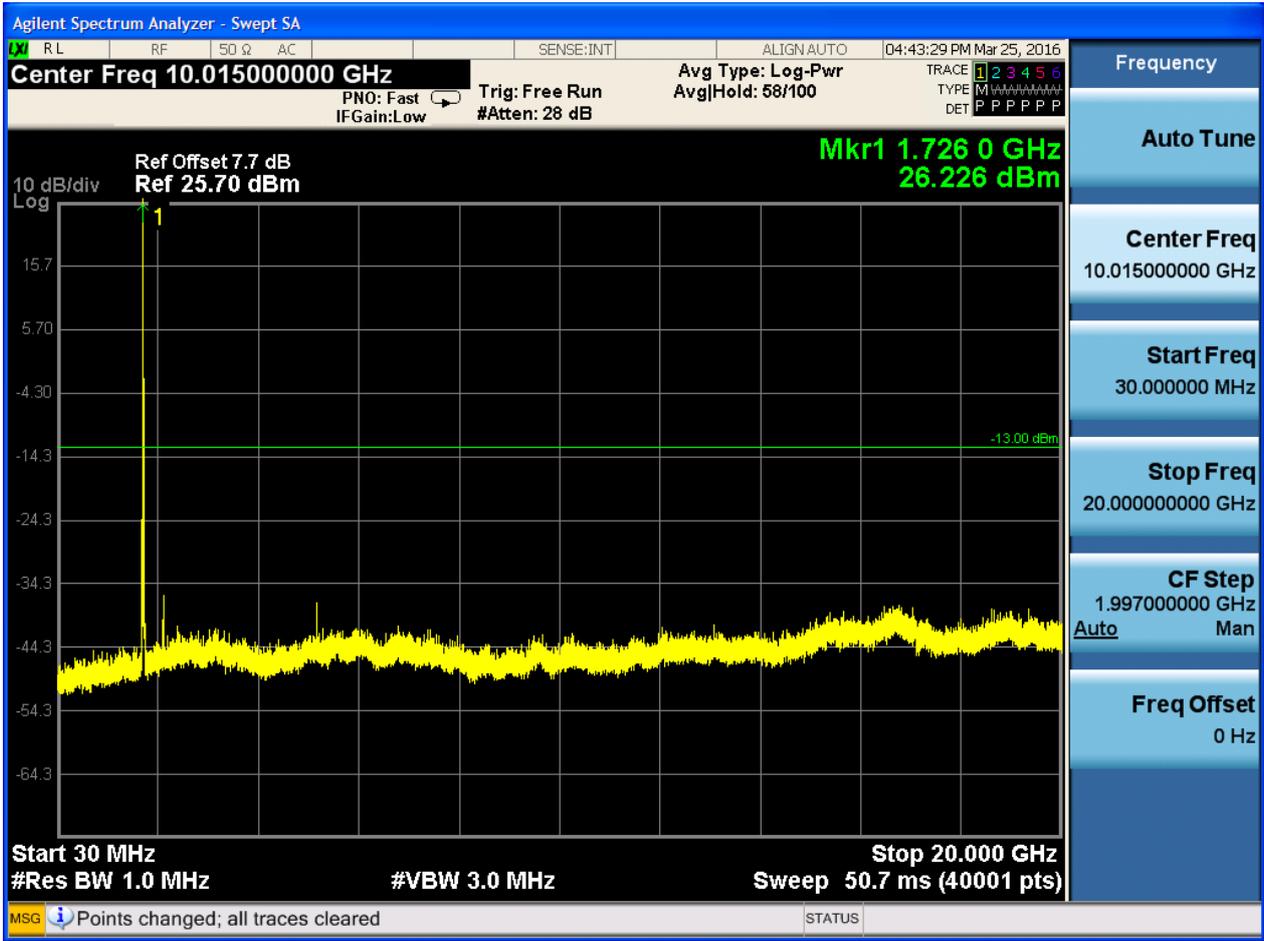


6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0





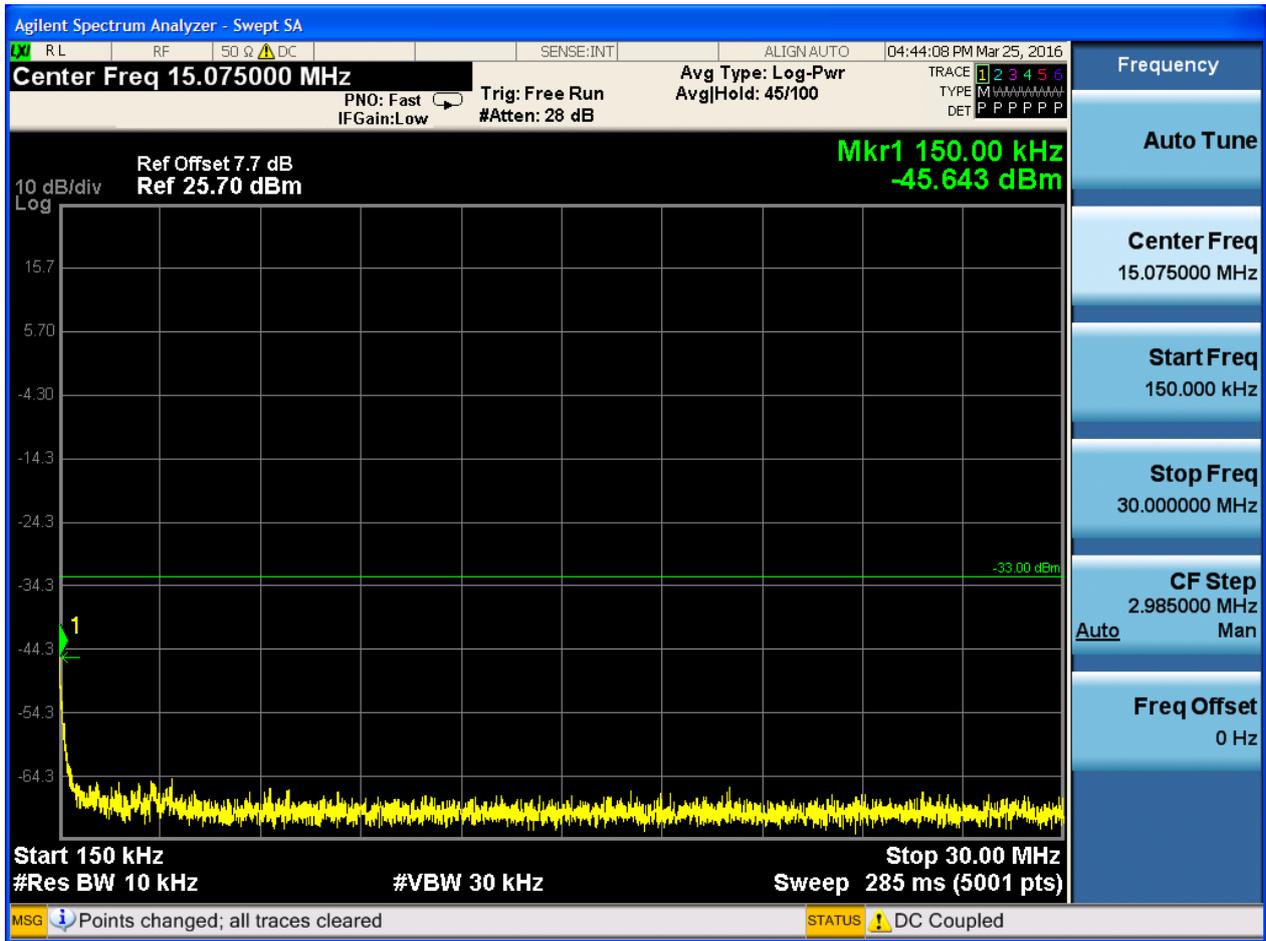


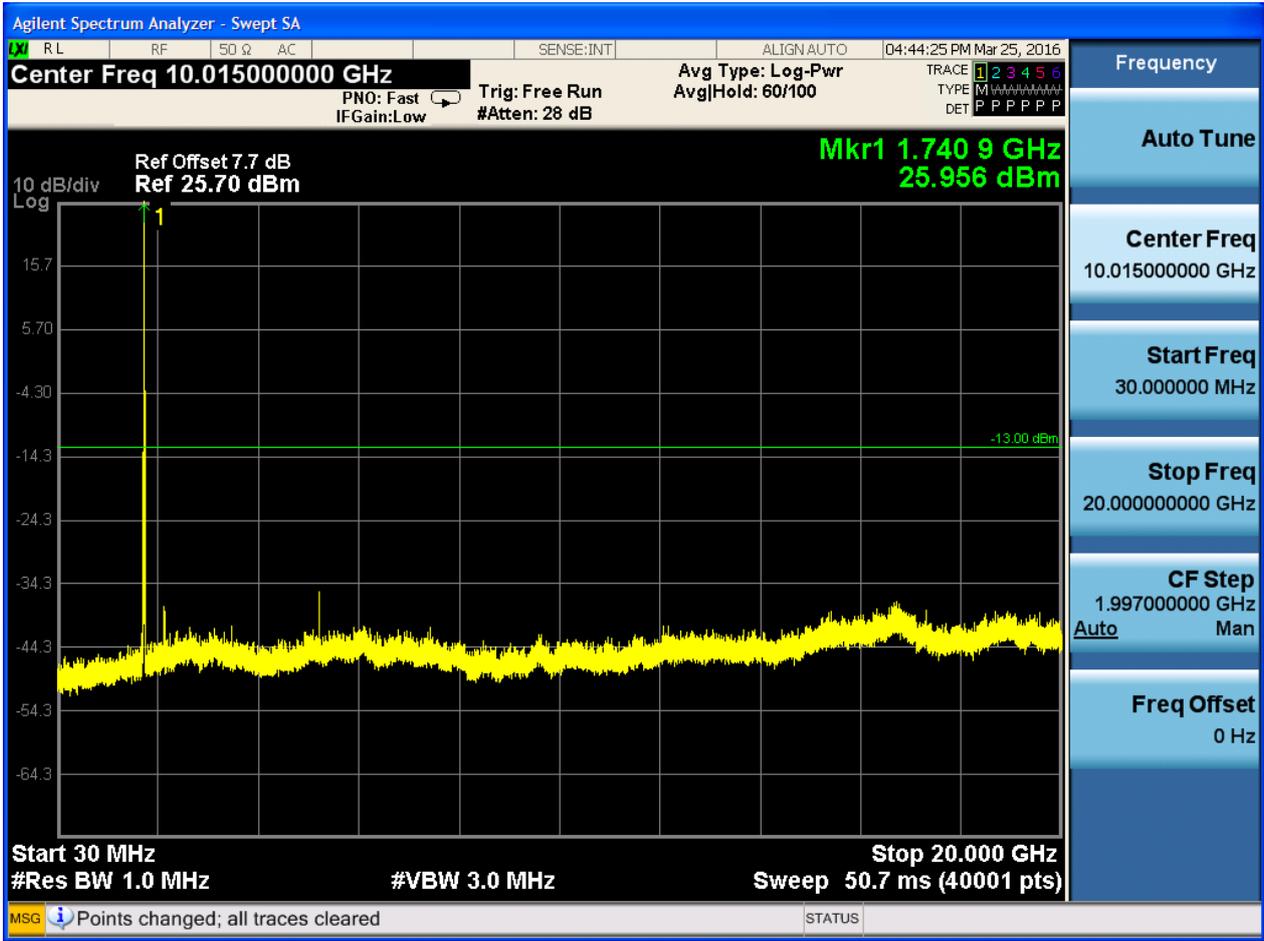


6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0







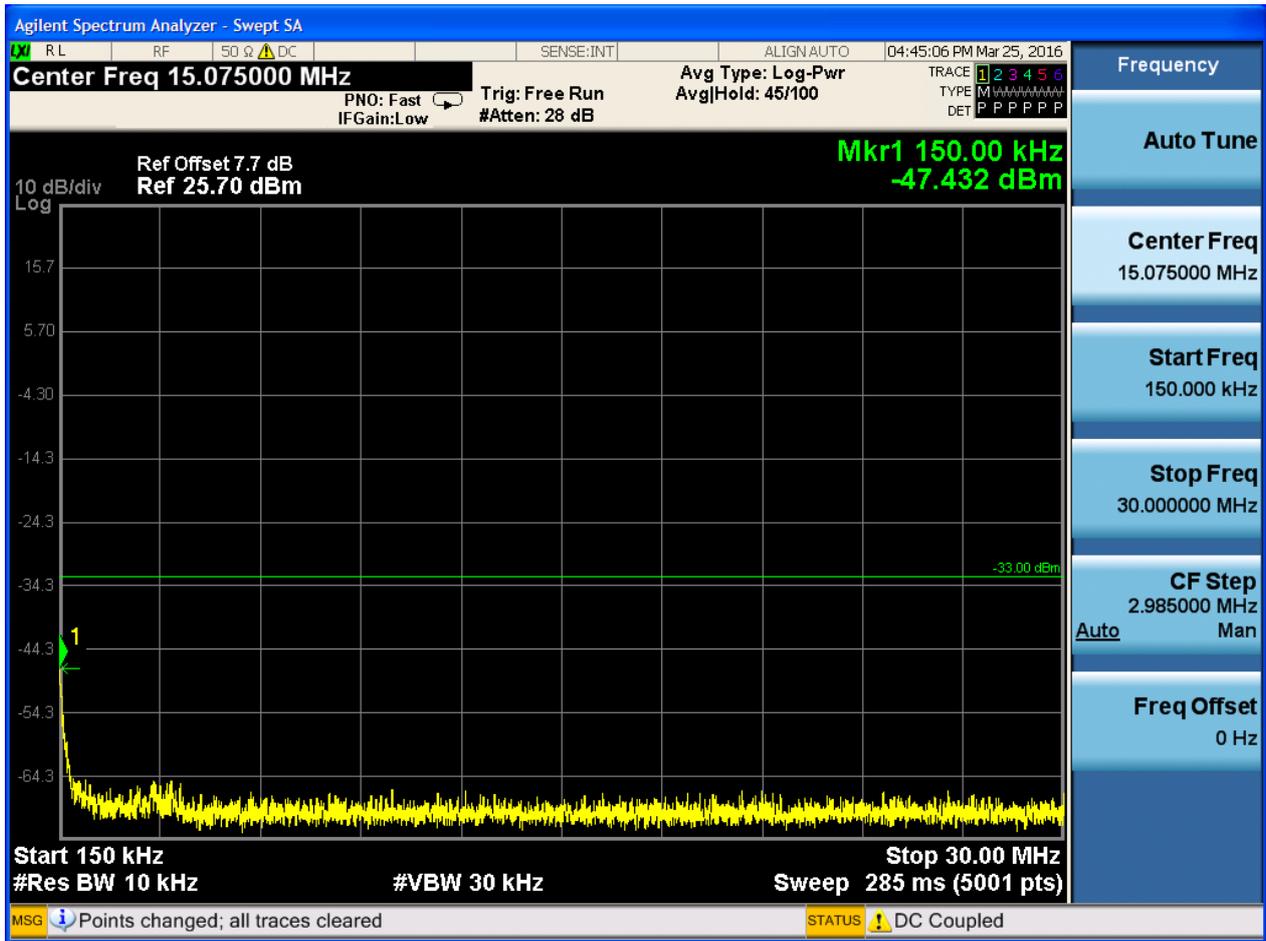


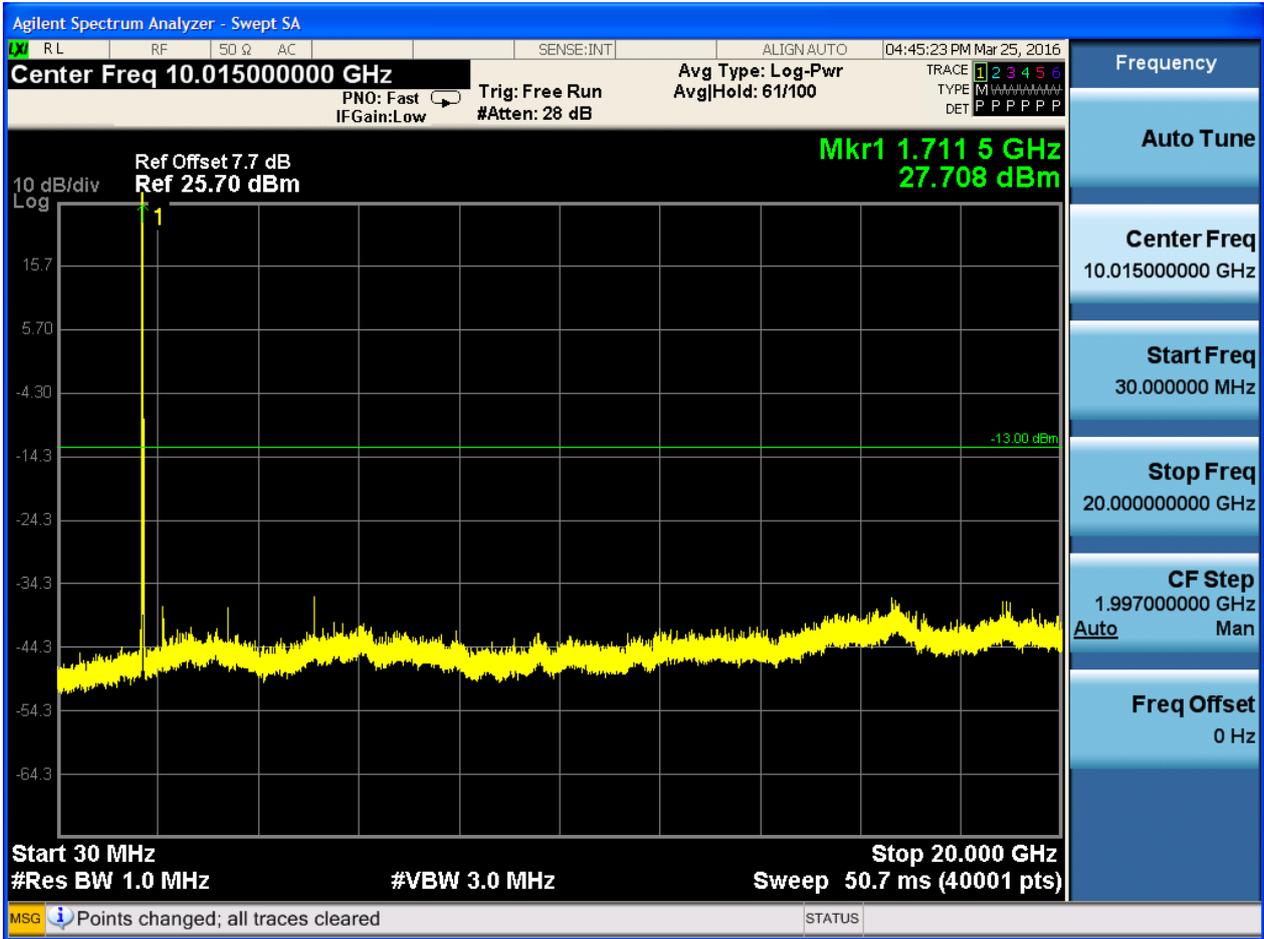
6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0





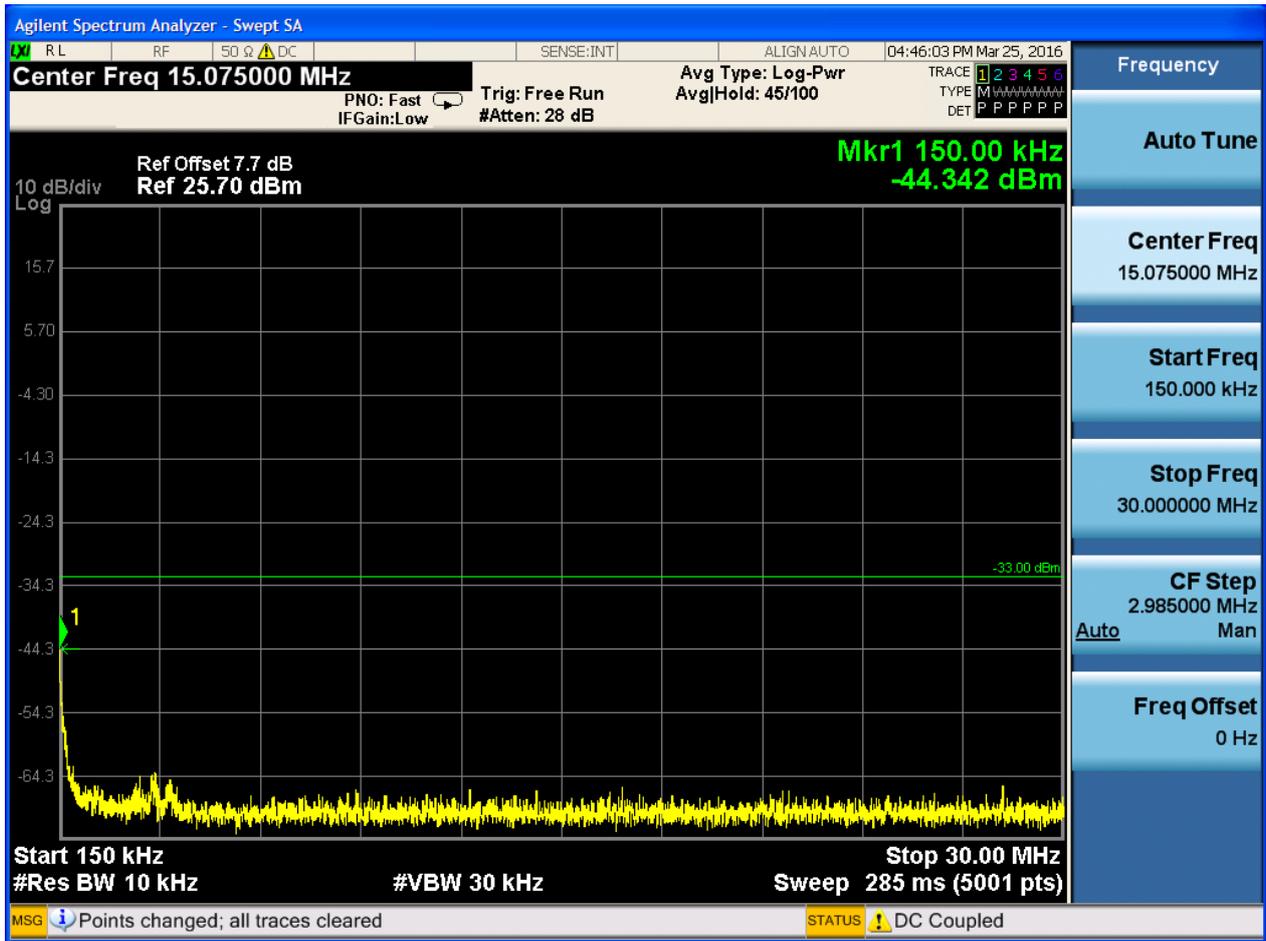


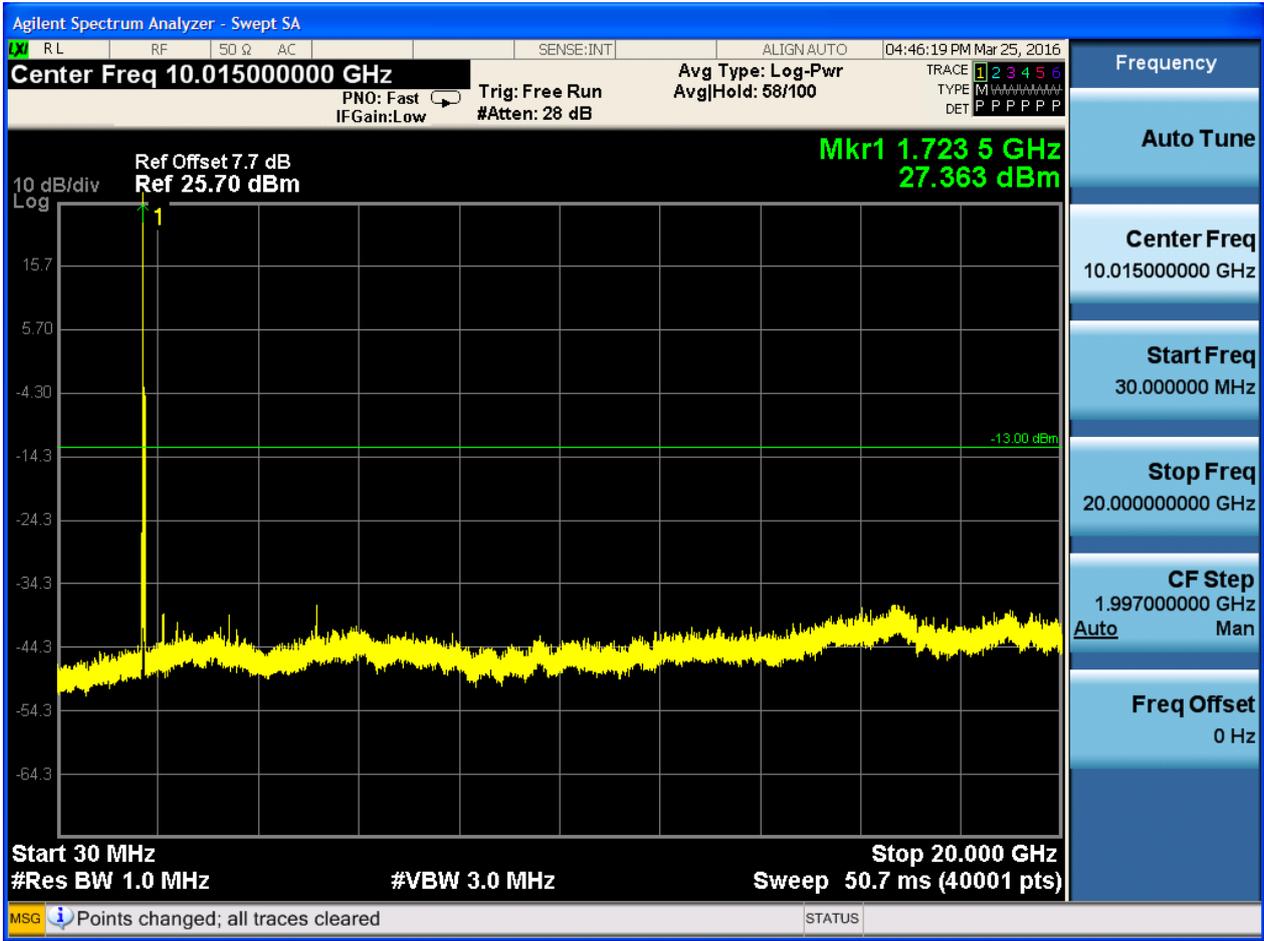


6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0





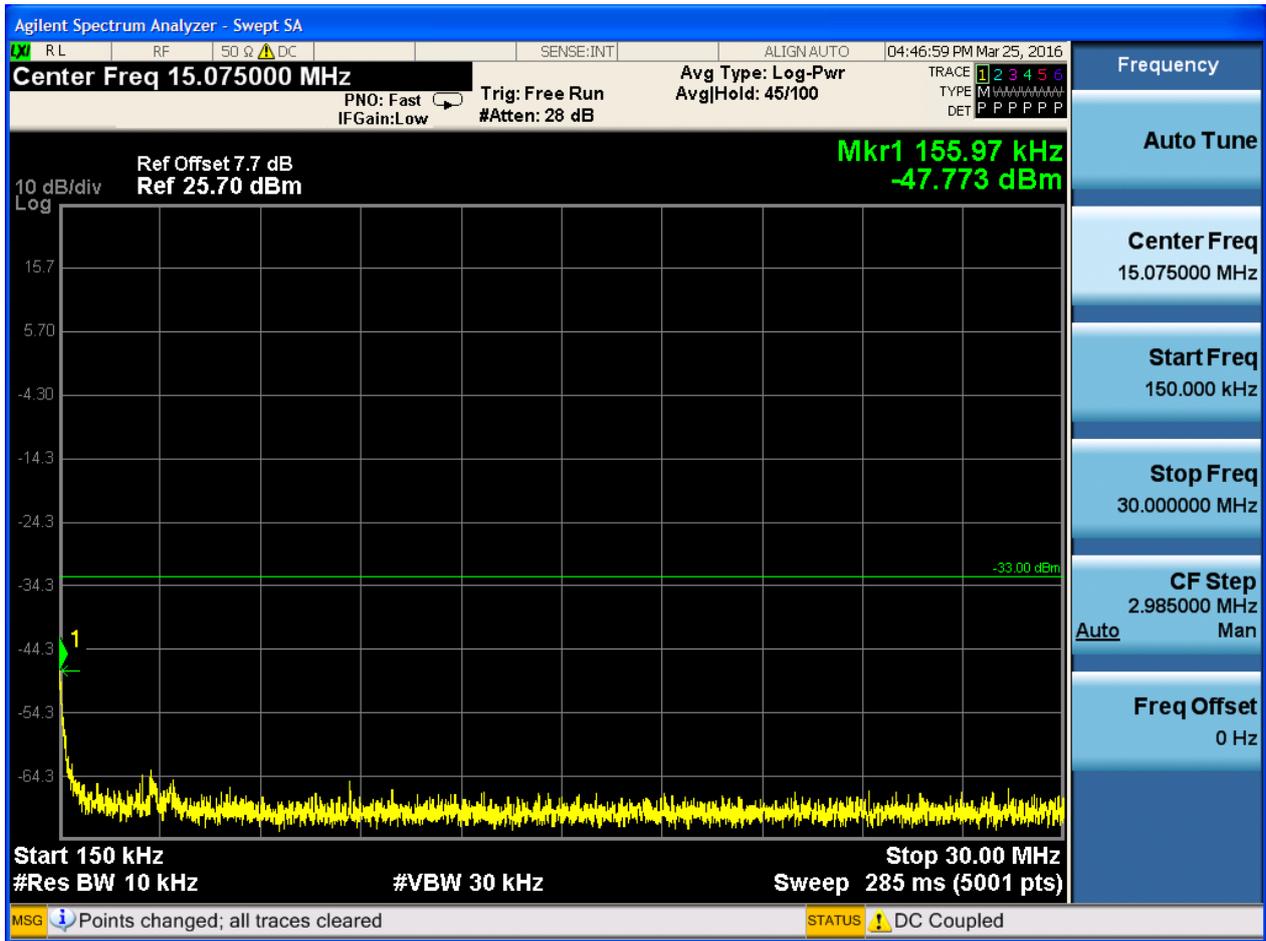


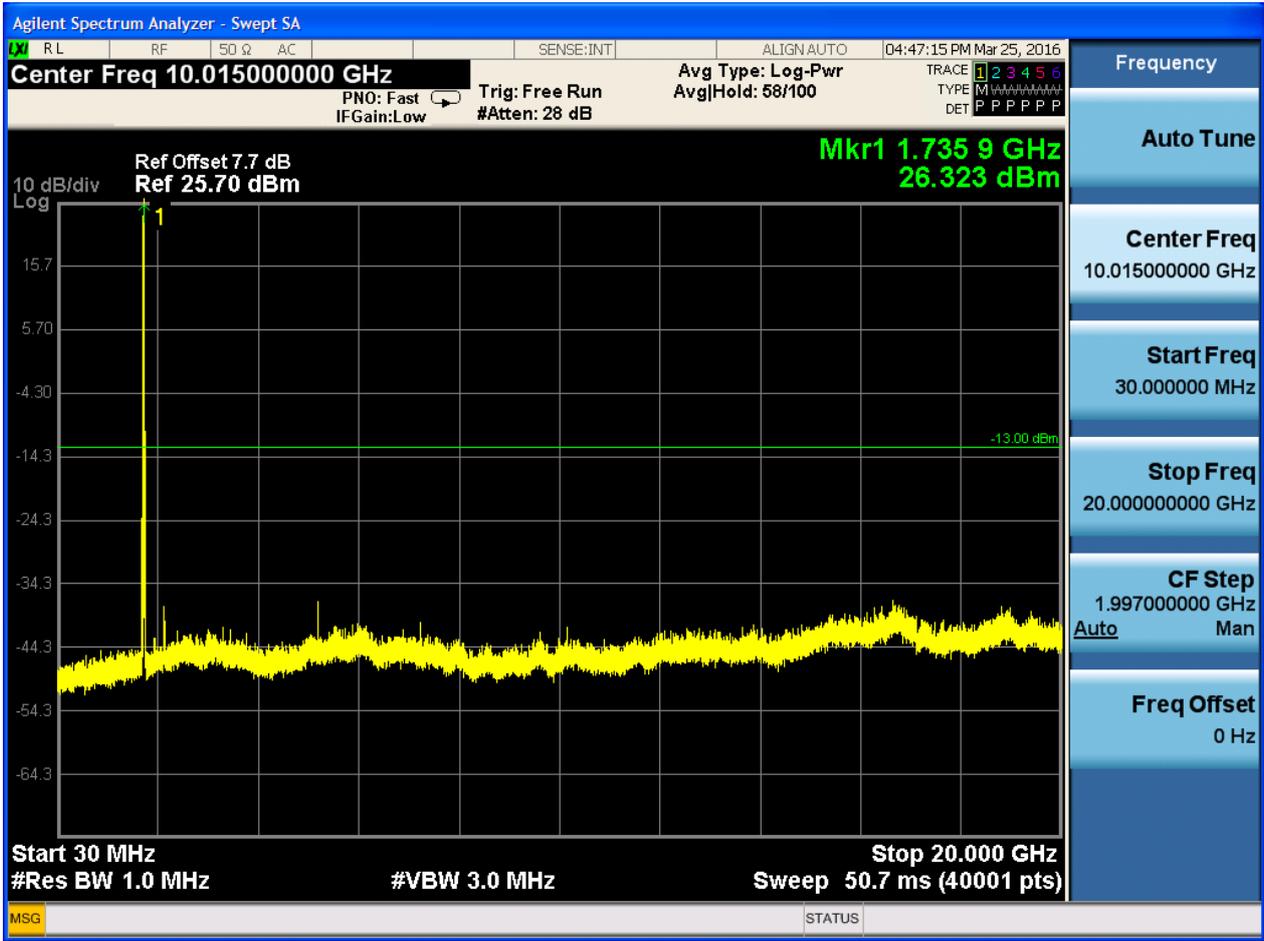


6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note:

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

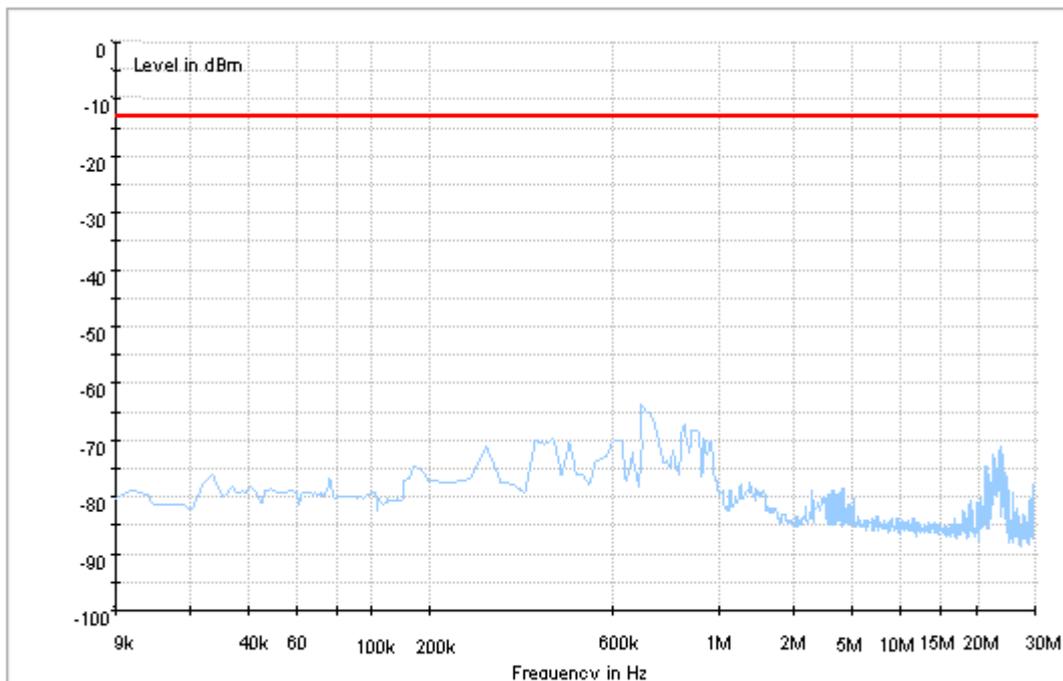
We tested all modes, but the data presented below is the worst case.

Part I - Test Plots

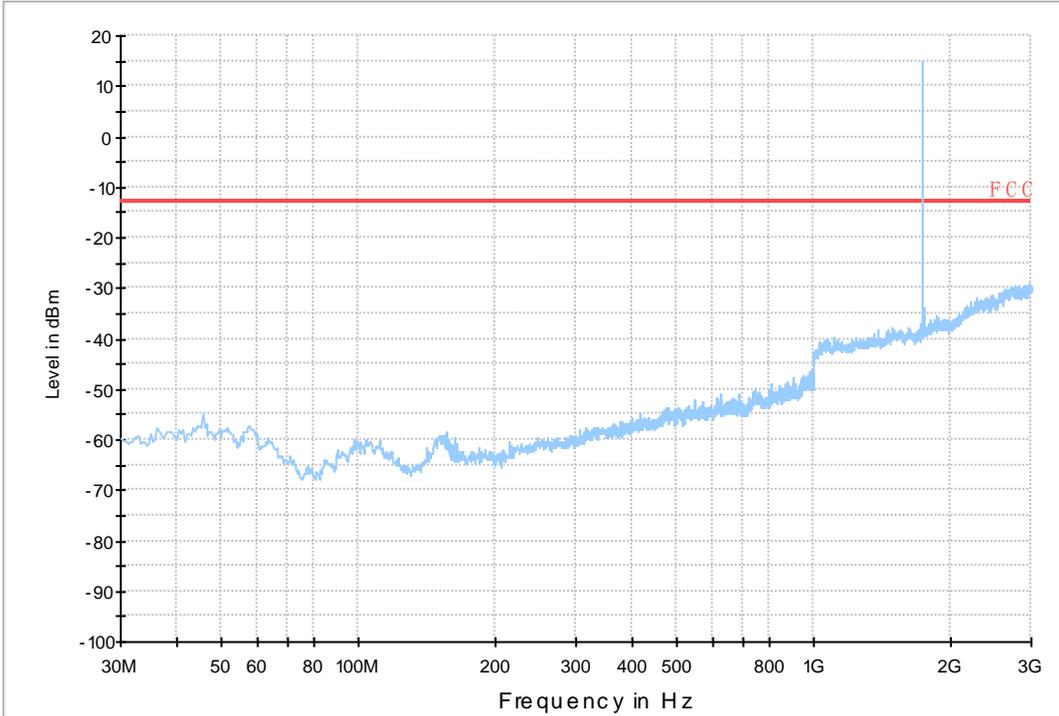
7.1 For LTE

7.1.1 Test Band = BAND4

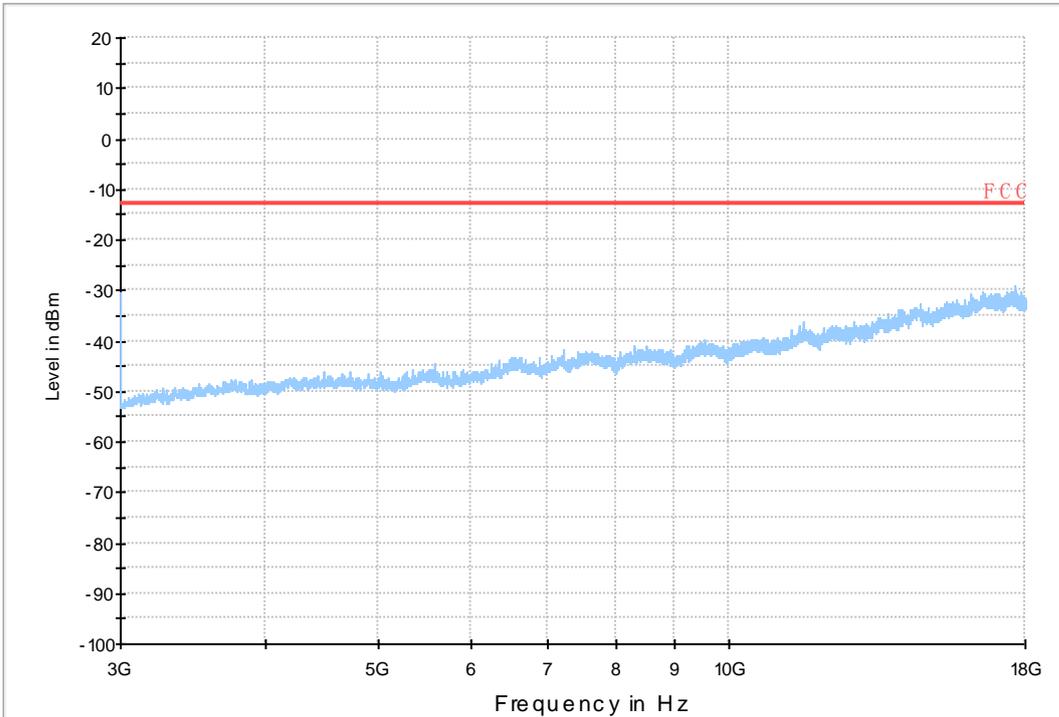
7.1.1.1 Test Bandwidth = 1.4

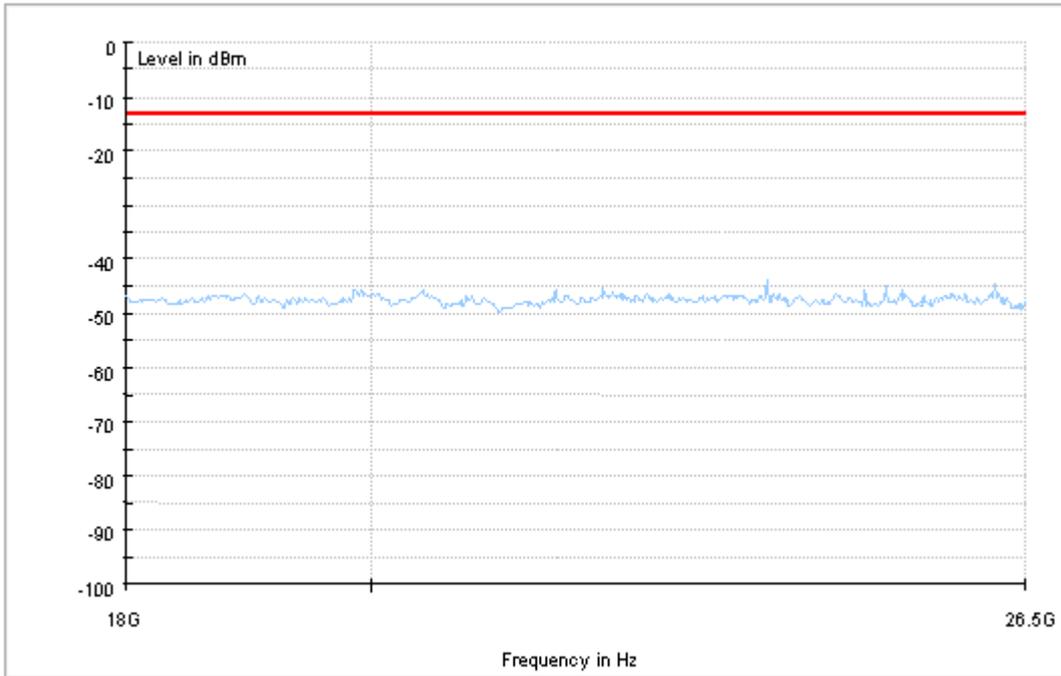


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

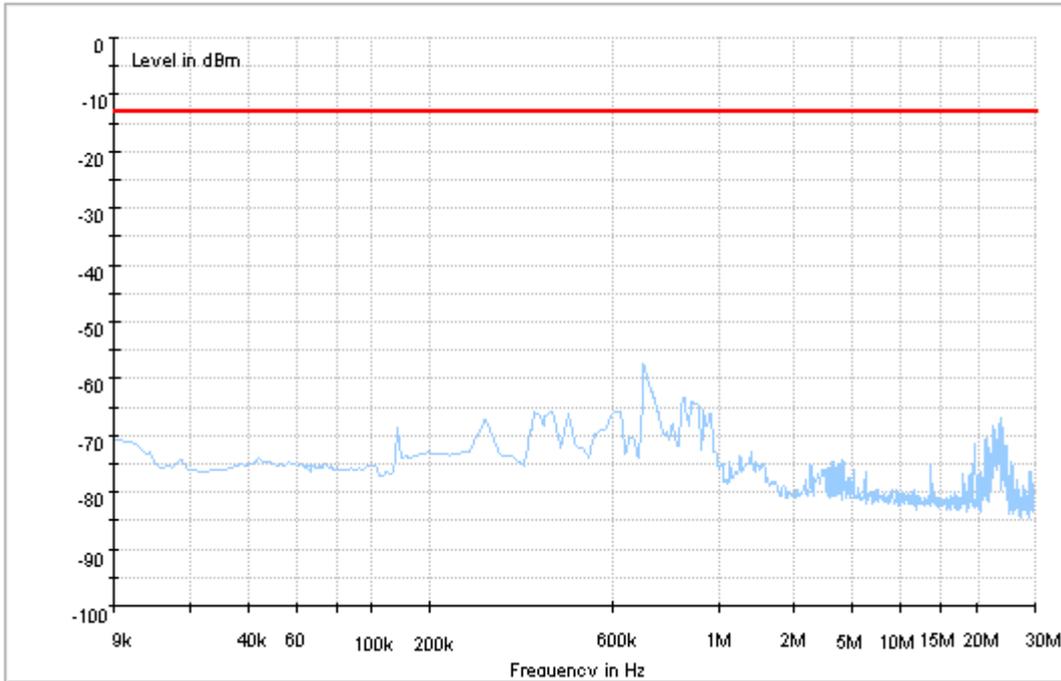


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

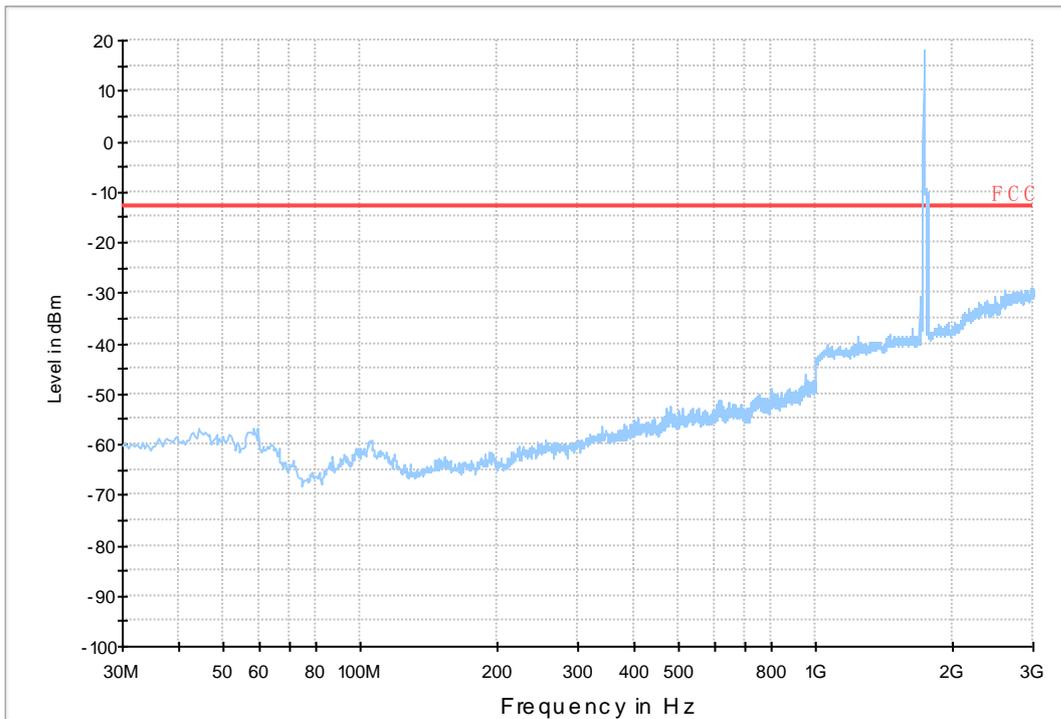




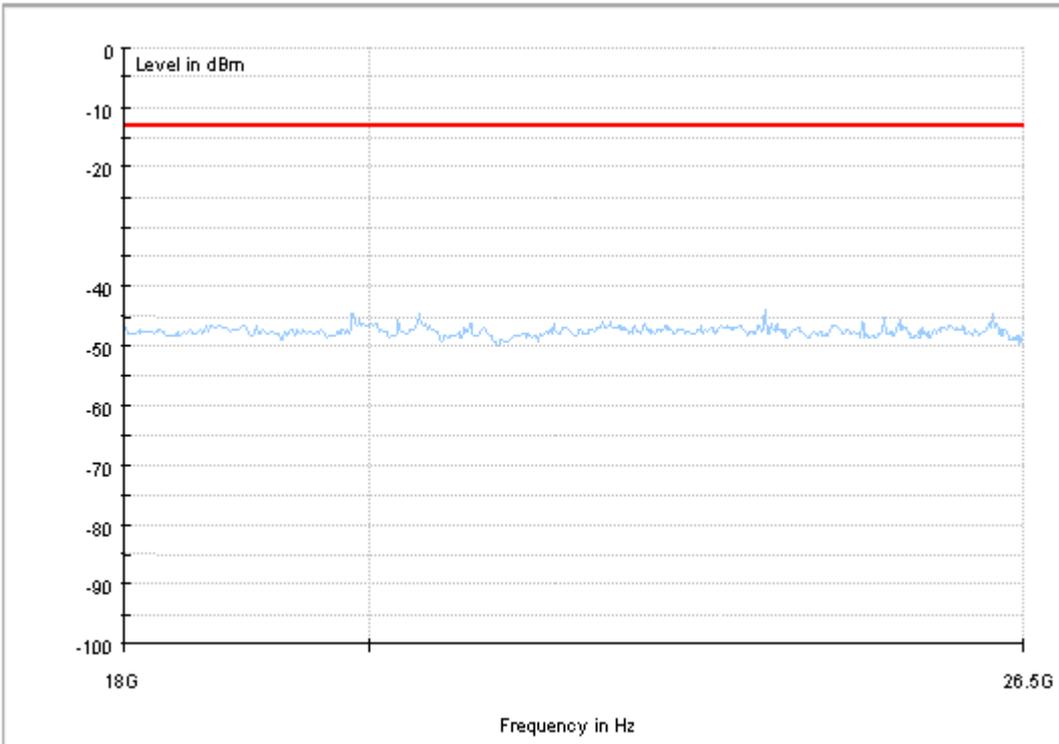
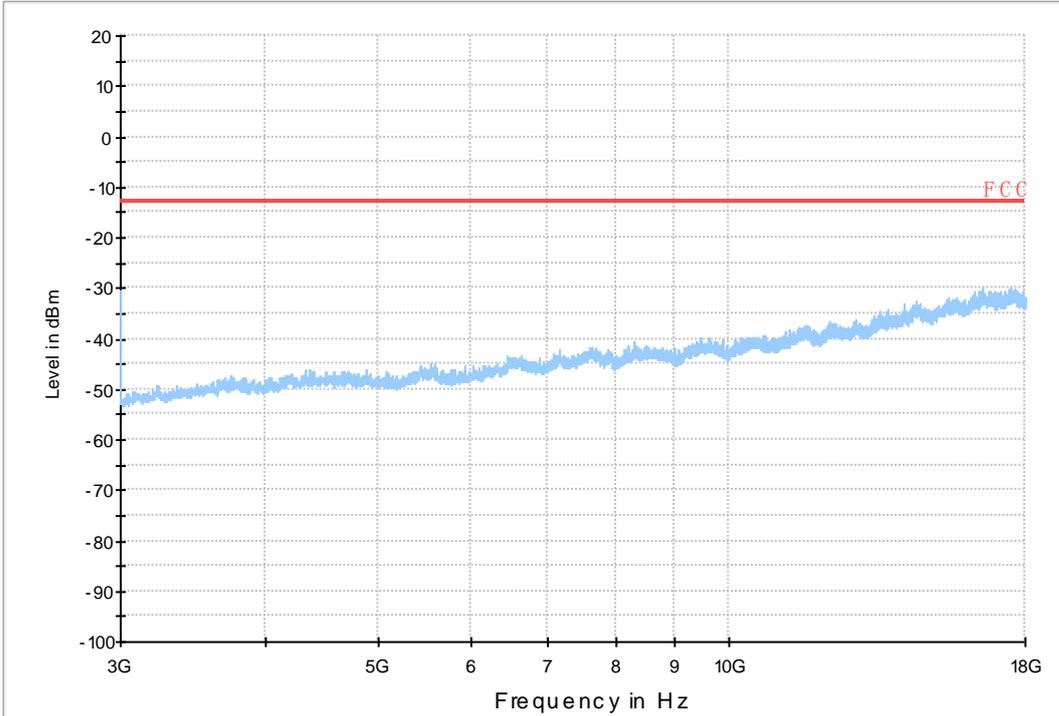
7.1.1.2 Test Bandwidth = 20



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

8.1.1 Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND4 | LTE/TM1 | 1.4 | LCH | TN | VL | 3.03 | 0.00177 | PASS |
| | | | | | VN | -6.01 | -0.00351 | PASS |
| | | | | | VH | -0.14 | -0.00008 | PASS |
| | | | MCH | TN | VL | 0.2 | 0.00012 | PASS |
| | | | | | VN | -0.51 | -0.00029 | PASS |
| | | | | | VH | 1.2 | 0.00069 | PASS |
| | | | HCH | TN | VL | -1.1 | -0.00063 | PASS |
| | | | | | VN | -8.48 | -0.00483 | PASS |
| | | | | | VH | -1.06 | -0.0006 | PASS |
| | | 3 | LCH | TN | VL | -1.5 | -0.00088 | PASS |
| | | | | | VN | -0.5 | -0.00029 | PASS |
| | | | | | VH | -0.94 | -0.00055 | PASS |
| | | | MCH | TN | VL | -6.84 | -0.00395 | PASS |
| | | | | | VN | -26.49 | -0.01529 | PASS |
| | | | | | VH | 0.36 | 0.00021 | PASS |
| | | | HCH | TN | VL | -3.72 | -0.00212 | PASS |
| | | | | | VN | -0.93 | -0.00053 | PASS |
| | | | | | VH | -3.86 | -0.0022 | PASS |
| | | 5 | LCH | TN | VL | 1.97 | 0.00115 | PASS |
| | | | | | VN | 1.24 | 0.00072 | PASS |
| | | | | | VH | -1.3 | -0.00076 | PASS |
| | | | MCH | TN | VL | -9.61 | -0.00555 | PASS |
| | | | | | VN | -3.26 | -0.00188 | PASS |
| | | | | | VH | -9.71 | -0.0056 | PASS |
| | | | HCH | TN | VL | 1.75 | 0.001 | PASS |
| | | | | | VN | 2.99 | 0.00171 | PASS |
| | | | | | VH | 0.7 | 0.0004 | PASS |
| 10 | LCH | TN | VL | -0.79 | -0.00046 | PASS | | |
| | | | VN | 0.06 | 0.00003 | PASS | | |
| | | | VH | -0.99 | -0.00058 | PASS | | |
| | | MCH | TN | VL | -4.95 | -0.00286 | PASS | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|------|
| | | | | | VN | -12.87 | -0.00743 | PASS | |
| | | | | | VH | 1.99 | 0.00115 | PASS | |
| | | | | | VL | 0.16 | 0.00009 | PASS | |
| | | | HCH | TN | VN | -0.54 | -0.00031 | PASS | |
| | | | | | VH | 2.57 | 0.00147 | PASS | |
| | | | | | VL | 1.57 | 0.00091 | PASS | |
| | | 15 | LCH | TN | VN | 1.3 | 0.00076 | PASS | |
| | | | | | VH | -0.14 | -0.00008 | PASS | |
| | | | | | VL | -12.13 | -0.007 | PASS | |
| | | | MCH | TN | VN | -3.42 | -0.00197 | PASS | |
| | | | | | VH | -7.38 | -0.00426 | PASS | |
| | | | | | VL | 0.14 | 0.00008 | PASS | |
| | | HCH | TN | VN | 0.8 | 0.00046 | PASS | | |
| | | | | VH | 2.75 | 0.00157 | PASS | | |
| | | | | VL | 2.23 | 0.0013 | PASS | | |
| | | | LCH | TN | VN | 2.13 | 0.00124 | PASS | |
| | | | | | VH | 2.33 | 0.00135 | PASS | |
| | | | | | VL | -7.6 | -0.00439 | PASS | |
| | | 20 | MCH | TN | VN | -7.21 | -0.00416 | PASS | |
| | | | | | VH | -7.41 | -0.00428 | PASS | |
| | | | | | VL | -1.46 | -0.00084 | PASS | |
| | | | HCH | TN | VN | -3.73 | -0.00214 | PASS | |
| | | | | | VH | -5.25 | -0.00301 | PASS | |
| | | | | | VL | 19.31 | 0.01129 | PASS | |
| | | LTE/TM2 | 1.4 | LCH | TN | VN | 15.25 | 0.00891 | PASS |
| | | | | | | VH | 14.95 | 0.00874 | PASS |
| | | | | | | VL | 0.13 | 0.00008 | PASS |
| | | | | MCH | TN | VN | 0.69 | 0.0004 | PASS |
| | | | | | | VH | 0.16 | 0.00009 | PASS |
| | | | | | | VL | -7.04 | -0.00401 | PASS |
| | | | | HCH | TN | VN | -3.13 | -0.00178 | PASS |
| | | | | | | VH | -2.16 | -0.00123 | PASS |
| | | | | | | VL | 1.12 | 0.00065 | PASS |
| | | | 3 | LCH | TN | VN | 2.15 | 0.00126 | PASS |
| | | | | | | VH | 1.92 | 0.00112 | PASS |
| | | | | | | VL | -21.97 | -0.01268 | PASS |
| | | | | MCH | TN | VN | -23.59 | -0.01362 | PASS |
| | | | | | | VH | -19.25 | -0.01111 | PASS |
| | | | | | | VL | -3.33 | -0.0019 | PASS |
| | | | HCH | TN | VL | -3.33 | -0.0019 | PASS | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | | | | | VN | 3.53 | 0.00201 | PASS |
| | | | | | VH | -0.6 | -0.00034 | PASS |
| | | 5 | LCH | TN | VL | -1.69 | -0.00099 | PASS |
| | | | | | VN | 1.42 | 0.00083 | PASS |
| | | | | | VH | 0.77 | 0.00045 | PASS |
| | | | MCH | TN | VL | -6.87 | -0.00397 | PASS |
| | | | | | VN | -3.76 | -0.00217 | PASS |
| | | | | | VH | -7.1 | -0.0041 | PASS |
| | | | HCH | TN | VL | 0.34 | 0.00019 | PASS |
| | | | | | VN | -3.75 | -0.00214 | PASS |
| | | | | | VH | -0.56 | -0.00032 | PASS |
| | | 10 | LCH | TN | VL | -1.4 | -0.00082 | PASS |
| | | | | | VN | -1.79 | -0.00104 | PASS |
| | | | | | VH | -0.84 | -0.00049 | PASS |
| | | | MCH | TN | VL | -3.85 | -0.00222 | PASS |
| | | | | | VN | -8.8 | -0.00508 | PASS |
| | | | | | VH | -3.05 | -0.00176 | PASS |
| | | | HCH | TN | VL | 0.72 | 0.00041 | PASS |
| | | | | | VN | -0.47 | -0.00027 | PASS |
| | | | | | VH | -0.33 | -0.00019 | PASS |
| | | 15 | LCH | TN | VL | 0.59 | 0.00034 | PASS |
| | | | | | VN | 1.27 | 0.00074 | PASS |
| | | | | | VH | -1.9 | -0.00111 | PASS |
| | | | MCH | TN | VL | 2.3 | 0.00133 | PASS |
| | | | | | VN | -3.78 | -0.00218 | PASS |
| | | | | | VH | -10.17 | -0.00587 | PASS |
| | | | HCH | TN | VL | -1.92 | -0.0011 | PASS |
| | | | | | VN | -2.27 | -0.0013 | PASS |
| | | | | | VH | -4.22 | -0.00241 | PASS |
| | | 20 | LCH | TN | VL | 0.83 | 0.00048 | PASS |
| | | | | | VN | -0.7 | -0.00041 | PASS |
| | | | | | VH | -0.41 | -0.00024 | PASS |
| | | | MCH | TN | VL | -0.9 | -0.00052 | PASS |
| | | | | | VN | 0.49 | 0.00028 | PASS |
| | | | | | VH | -1.36 | -0.00078 | PASS |
| | | | HCH | TN | VL | -3.86 | -0.00221 | PASS |
| | | | | | VN | -4.05 | -0.00232 | PASS |
| | | | | | VH | -3.03 | -0.00174 | 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 |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| BAND4 | LTE/TM1 | 1.4 | LCH | VN | -30 | 10.69 | 0.00625 | PASS |
| | | | | | -20 | 29.43 | 0.0172 | PASS |
| | | | | | -10 | 7.58 | 0.00443 | PASS |
| | | | | | 0 | 13.88 | 0.00811 | PASS |
| | | | | | 10 | -5.62 | -0.00329 | PASS |
| | | | | | 20 | 10.73 | 0.00627 | PASS |
| | | | | | 30 | 10.73 | 0.00627 | PASS |
| | | | | | 40 | -3.25 | -0.0019 | PASS |
| | | | | | 50 | 1.09 | 0.00064 | PASS |
| | | | MCH | VN | -30 | 0.39 | 0.00023 | PASS |
| | | | | | -20 | -0.41 | -0.00024 | PASS |
| | | | | | -10 | -0.44 | -0.00025 | PASS |
| | | | | | 0 | -0.6 | -0.00035 | PASS |
| | | | | | 10 | -0.26 | -0.00015 | PASS |
| | | | | | 20 | -0.34 | -0.0002 | PASS |
| | | | | | 30 | -0.66 | -0.00038 | PASS |
| | | | | | 40 | -0.84 | -0.00048 | PASS |
| | | | | | 50 | -0.43 | -0.00025 | PASS |
| | | HCH | VN | -30 | -0.76 | -0.00043 | PASS | |
| | | | | -20 | -1.7 | -0.00097 | PASS | |
| | | | | -10 | -0.4 | -0.00023 | PASS | |
| | | | | 0 | -0.2 | -0.00011 | PASS | |
| | | | | 10 | 0.06 | 0.00003 | PASS | |
| | | | | 20 | -0.76 | -0.00043 | PASS | |
| | | | | 30 | -1.03 | -0.00059 | PASS | |
| | | | | 40 | -12.67 | -0.00722 | PASS | |
| | | | | 50 | -0.92 | -0.00052 | PASS | |
| | | 3 | LCH | VN | -30 | -3.5 | -0.00204 | PASS |
| | | | | | -20 | -1.42 | -0.00083 | PASS |
| | | | | | -10 | 0.54 | 0.00032 | PASS |
| 0 | 1.36 | | | | 0.00079 | PASS | | |
| 10 | -1.24 | | | | -0.00072 | PASS | | |
| 20 | -1.95 | | | | -0.00114 | PASS | | |
| 30 | -0.43 | | | | -0.00025 | PASS | | |
| 40 | 0.89 | | | | 0.00052 | PASS | | |
| 50 | -0.09 | | | | -0.00005 | PASS | | |
| MCH | VN | | | | -30 | -18.05 | -0.01042 | PASS |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| | | | | | -20 | 1 | 0.00058 | PASS |
| | | | | | -10 | -28.5 | -0.01645 | PASS |
| | | | | | 0 | -17.24 | -0.00995 | PASS |
| | | | | | 10 | -17.64 | -0.01018 | PASS |
| | | | | | 20 | -22.66 | -0.01308 | PASS |
| | | | | | 30 | -20.61 | -0.0119 | PASS |
| | | | | | 40 | -4.05 | -0.00234 | PASS |
| | | | | | 50 | 6.74 | 0.00389 | PASS |
| | | | | | HCH | VN | -30 | 0.34 |
| | | | -20 | -1.24 | | | -0.00071 | PASS |
| | | | -10 | 0.9 | | | 0.00051 | PASS |
| | | | 0 | -0.13 | | | -0.00007 | PASS |
| | | | 10 | -2.66 | | | -0.00152 | PASS |
| | | | 20 | -2.88 | | | -0.00164 | PASS |
| | | | 30 | -0.5 | | | -0.00029 | PASS |
| | | | 40 | 0.03 | | | 0.00002 | PASS |
| | | | 50 | 0.62 | | | 0.00035 | PASS |
| | | | 5 | LCH | VN | -30 | 15.39 | 0.00899 |
| | | -20 | | | | 6.35 | 0.00371 | PASS |
| | | -10 | | | | -0.26 | -0.00015 | PASS |
| | | 0 | | | | -2.46 | -0.00144 | PASS |
| | | 10 | | | | -1.96 | -0.00114 | PASS |
| | | 20 | | | | -4.49 | -0.00262 | PASS |
| | | 30 | | | | 0.64 | 0.00037 | PASS |
| | | 40 | | | | -3.32 | -0.00194 | PASS |
| | | 50 | | | | -1.57 | -0.00092 | PASS |
| | | MCH | | VN | -30 | -2.07 | -0.00119 | PASS |
| | | | | | -20 | 1.89 | 0.00109 | PASS |
| | | | | | -10 | -19.66 | -0.01135 | PASS |
| | | | | | 0 | -3.93 | -0.00227 | PASS |
| | | | | | 10 | 7.4 | 0.00427 | PASS |
| | | | | | 20 | 0.34 | 0.0002 | PASS |
| | | | | | 30 | 0.23 | 0.00013 | PASS |
| | | | | | 40 | -4.29 | -0.00248 | PASS |
| | | | | | 50 | -0.24 | -0.00014 | PASS |
| | | HCH | VN | -30 | -0.63 | -0.00036 | PASS | |
| -20 | -0.92 | | | -0.00052 | PASS | | | |
| -10 | -0.7 | | | -0.0004 | PASS | | | |
| 0 | -0.72 | | | -0.00041 | PASS | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|----------|------|
| | | | | | 10 | -0.96 | -0.00055 | PASS | | |
| | | | | | 20 | -0.9 | -0.00051 | PASS | | |
| | | | | | 30 | -0.27 | -0.00015 | PASS | | |
| | | | | | 40 | -5.99 | -0.00342 | PASS | | |
| | | | | | 50 | -2.3 | -0.00131 | PASS | | |
| | | 10 | LCH | VN | -30 | -2.75 | -0.0016 | PASS | | |
| | | | | | -20 | 0.26 | 0.00015 | PASS | | |
| | | | | | -10 | -1.89 | -0.0011 | PASS | | |
| | | | | | 0 | 0.46 | 0.00027 | PASS | | |
| | | | | | 10 | -1.43 | -0.00083 | PASS | | |
| | | | | | 20 | -1.89 | -0.0011 | PASS | | |
| | | | | | 30 | -0.79 | -0.00046 | PASS | | |
| | | | | | 40 | -3.63 | -0.00212 | PASS | | |
| | | | | | 50 | -0.03 | -0.00002 | PASS | | |
| | | | | | MCH | VN | -30 | -6.42 | -0.00371 | PASS |
| | | | | | | | -20 | -1.72 | -0.00099 | PASS |
| | | | | | | | -10 | -9.73 | -0.00562 | PASS |
| | | | | | | | 0 | -0.66 | -0.00038 | PASS |
| | | | | | | | 10 | -10.19 | -0.00588 | PASS |
| | | | | | | | 20 | -8.48 | -0.00489 | PASS |
| | | | | | | | 30 | -2.63 | -0.00152 | PASS |
| | | | | | | | 40 | 1.95 | 0.00113 | PASS |
| | | | | | HCH | VN | 50 | -10.79 | -0.00623 | PASS |
| | | | | | | | -30 | -0.72 | -0.00041 | PASS |
| | | | | | | | -20 | -0.19 | -0.00011 | PASS |
| | | | | | | | -10 | 0.17 | 0.0001 | PASS |
| | | | | | | | 0 | 0.1 | 0.00006 | PASS |
| | | | | | | | 10 | -0.2 | -0.00011 | PASS |
| | | 20 | 0.79 | 0.00045 | | | PASS | | | |
| | | 30 | 0.46 | 0.00026 | | | PASS | | | |
| | | 15 | LCH | VN | 40 | 0.14 | 0.00008 | PASS | | |
| | | | | | 50 | 0.29 | 0.00017 | PASS | | |
| | | | | | -30 | -0.01 | -0.00001 | PASS | | |
| -20 | 0.93 | | | | 0.00054 | PASS | | | | |
| -10 | 0.86 | | | | 0.0005 | PASS | | | | |
| 0 | 0.97 | | | | 0.00056 | PASS | | | | |
| 10 | 0.62 | | | | 0.00036 | PASS | | | | |
| 20 | -0.89 | -0.00052 | PASS | | | | | | | |
| 30 | -0.6 | -0.00035 | PASS | | | | | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| | | | | | 40 | 0.64 | 0.00037 | PASS |
| | | | | | 50 | -0.31 | -0.00018 | PASS |
| | | | MCH | VN | -30 | -5.34 | -0.00308 | PASS |
| | | | | | -20 | -4.75 | -0.00274 | PASS |
| | | | | | -10 | -0.34 | -0.0002 | PASS |
| | | | | | 0 | 4.11 | 0.00237 | PASS |
| | | | | | 10 | -7.98 | -0.00461 | PASS |
| | | | | | 20 | -3.63 | -0.0021 | PASS |
| | | | | | 30 | -1.92 | -0.00111 | PASS |
| | | | | | 40 | -1.66 | -0.00096 | PASS |
| | | | | | 50 | -5.21 | -0.00301 | PASS |
| | | | | | HCH | VN | -30 | -2.05 |
| | | | -20 | -7.87 | | | -0.0045 | PASS |
| | | | -10 | -13.5 | | | -0.00773 | PASS |
| | | | 0 | -8.84 | | | -0.00506 | PASS |
| | | | 10 | -4.33 | | | -0.00248 | PASS |
| | | | 20 | 0.06 | | | 0.00003 | PASS |
| | | | 30 | -3.2 | | | -0.00183 | PASS |
| | | | 40 | 0.9 | | | 0.00052 | PASS |
| | | | 20 | LCH | VN | -30 | 0.7 | 0.00041 |
| | | -20 | | | | 1.92 | 0.00112 | PASS |
| | | -10 | | | | 0.72 | 0.00042 | PASS |
| | | 0 | | | | 1.03 | 0.0006 | PASS |
| | | 10 | | | | -0.09 | -0.00005 | PASS |
| | | 20 | | | | 1.27 | 0.00074 | PASS |
| | | 30 | | | | 1.43 | 0.00083 | PASS |
| | | 40 | | | | 3.02 | 0.00176 | PASS |
| | | 50 | | | | 1.06 | 0.00062 | PASS |
| | | MCH | | | | VN | -30 | -1.66 |
| | | | | -20 | -3.66 | | -0.00211 | PASS |
| | | | | -10 | -5.18 | | -0.00299 | PASS |
| | | | | 0 | -1.44 | | -0.00083 | PASS |
| | | | | 10 | -2.76 | | -0.00159 | PASS |
| | | | | 20 | -1.37 | | -0.00079 | PASS |
| | | | | 30 | -0.63 | | -0.00036 | PASS |
| | | | | 40 | -2.6 | | -0.0015 | PASS |
| | | 50 | | 1.39 | 0.0008 | PASS | | |
| | | HCH | | VN | -30 | 2.26 | 0.0013 | PASS |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|----------|----------|------|
| | | | | | -20 | 2.07 | 0.00119 | PASS | | |
| | | | | | -10 | 1.83 | 0.00105 | PASS | | |
| | | | | | 0 | 4.15 | 0.00238 | PASS | | |
| | | | | | 10 | 4.02 | 0.0023 | PASS | | |
| | | | | | 20 | 3.45 | 0.00198 | PASS | | |
| | | | | | 30 | 3.63 | 0.00208 | PASS | | |
| | | | | | 40 | 7.21 | 0.00413 | PASS | | |
| | | | | | 50 | 2.22 | 0.00127 | PASS | | |
| | LTE/TM2 | 1.4 | LCH | VN | -30 | 9.5 | 0.00555 | PASS | | |
| | | | | | -20 | 6.27 | 0.00367 | PASS | | |
| | | | | | -10 | 2.9 | 0.0017 | PASS | | |
| | | | | | 0 | 24.3 | 0.0142 | PASS | | |
| | | | | | 10 | -3.33 | -0.00195 | PASS | | |
| | | | | | 20 | -3.55 | -0.00208 | PASS | | |
| | | | | | 30 | -20.18 | -0.0118 | PASS | | |
| | | | | | 40 | 1.32 | 0.00077 | PASS | | |
| | | | | | 50 | -0.97 | -0.00057 | PASS | | |
| | | | | | MCH | VN | -30 | 0.44 | 0.00025 | PASS |
| | | | | | | | -20 | 0.9 | 0.00052 | PASS |
| | | | | | | | -10 | -2.45 | -0.00141 | PASS |
| | | | 0 | -15.23 | | | -0.00879 | PASS | | |
| | | | 10 | -1.82 | | | -0.00105 | PASS | | |
| | | | 20 | 0.66 | | | 0.00038 | PASS | | |
| | | | HCH | VN | 30 | -19.56 | -0.01129 | PASS | | |
| | | | | | 40 | -0.21 | -0.00012 | PASS | | |
| | | | | | 50 | 0.8 | 0.00046 | PASS | | |
| | | | | | -30 | -1.13 | -0.00064 | PASS | | |
| | | | | | -20 | -0.66 | -0.00038 | PASS | | |
| | | | | | -10 | -0.33 | -0.00019 | PASS | | |
| | | | 3 | LCH | VN | 0 | -0.8 | -0.00046 | PASS | |
| | | | | | | 10 | -1.47 | -0.00084 | PASS | |
| | | | | | | 20 | -0.19 | -0.00011 | PASS | |
| 30 | -1.86 | -0.00106 | | | | PASS | | | | |
| 40 | -0.72 | -0.00041 | | | | PASS | | | | |
| 50 | -1.56 | -0.00089 | | | | PASS | | | | |
| -30 | -0.97 | -0.00057 | | | | PASS | | | | |
| -20 | -5.09 | -0.00297 | | | | PASS | | | | |
| -10 | 0.06 | 0.00004 | PASS | | | | | | | |
| 0 | -0.9 | -0.00053 | PASS | | | | | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|----------|------|
| | | 5 | | | 10 | -2.95 | -0.00172 | PASS | |
| | | | | | 20 | -9.78 | -0.00571 | PASS | |
| | | | | | 30 | -1.47 | -0.00086 | PASS | |
| | | | | | 40 | 4.02 | 0.00235 | PASS | |
| | | | | | 50 | -2.05 | -0.0012 | PASS | |
| | | | MCH | VN | -30 | -4.96 | -0.00286 | PASS | |
| | | | | | -20 | -5.12 | -0.00296 | PASS | |
| | | | | | -10 | -4.46 | -0.00257 | PASS | |
| | | | | | 0 | -1.89 | -0.00109 | PASS | |
| | | | | | 10 | -13.16 | -0.0076 | PASS | |
| | | | | | 20 | 0.4 | 0.00023 | PASS | |
| | | | | | 30 | -13.85 | -0.00799 | PASS | |
| | | | | | 40 | 1.24 | 0.00072 | PASS | |
| | | | | | 50 | 5.64 | 0.00326 | PASS | |
| | | | HCH | VN | -30 | -2.27 | -0.00129 | PASS | |
| | | | | | -20 | 5.35 | 0.00305 | PASS | |
| | | | | | -10 | 0.63 | 0.00036 | PASS | |
| | | | | | 0 | 0.99 | 0.00056 | PASS | |
| | | | | | 10 | -0.46 | -0.00026 | PASS | |
| | | | | | 20 | 2.3 | 0.00131 | PASS | |
| | | | | | 30 | 1.4 | 0.0008 | PASS | |
| | | | | | 40 | 0.19 | 0.00011 | PASS | |
| | | | LCH | VN | -30 | -0.76 | -0.00044 | PASS | |
| | | | | | -20 | -0.74 | -0.00043 | PASS | |
| | | -10 | | | 2.05 | 0.0012 | PASS | | |
| | | 0 | | | 1.75 | 0.00102 | PASS | | |
| | | 10 | | | 0.89 | 0.00052 | PASS | | |
| | | 20 | | | 1.8 | 0.00105 | PASS | | |
| | | 30 | | | 0.11 | 0.00006 | PASS | | |
| | | 40 | | | -0.8 | -0.00047 | PASS | | |
| | | 50 | | | 1.1 | 0.00064 | PASS | | |
| | | MCH | | | VN | -30 | -0.94 | -0.00054 | PASS |
| | | | | | | -20 | -1.97 | -0.00114 | PASS |
| | | | | | | -10 | -4.88 | -0.00282 | PASS |
| | | | 0 | -0.36 | | -0.00021 | PASS | | |
| | | | 10 | -1.92 | | -0.00111 | PASS | | |
| 20 | -0.09 | | -0.00005 | PASS | | | | | |
| 30 | -6.37 | | -0.00368 | PASS | | | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|----------|------|
| | | | | | 40 | 5.06 | 0.00292 | PASS | | |
| | | | | | 50 | 4.99 | 0.00288 | PASS | | |
| | | | HCH | VN | -30 | -0.26 | -0.00015 | PASS | | |
| | | | | | -20 | -0.11 | -0.00006 | PASS | | |
| | | | | | -10 | -0.74 | -0.00042 | PASS | | |
| | | | | | 0 | -0.67 | -0.00038 | PASS | | |
| | | | | | 10 | -2.06 | -0.00118 | PASS | | |
| | | | | | 20 | -4.89 | -0.00279 | PASS | | |
| | | | | | 30 | -2.85 | -0.00163 | PASS | | |
| | | | | | 40 | -0.94 | -0.00054 | PASS | | |
| | | 50 | -3.13 | -0.00179 | PASS | | | | | |
| | | | | | LCH | VN | -30 | -1.65 | -0.00096 | PASS |
| | | | | | | | -20 | -1.07 | -0.00062 | PASS |
| | | | | | | | -10 | -0.19 | -0.00011 | PASS |
| | | | | | | | 0 | -0.34 | -0.0002 | PASS |
| | | | | | | | 10 | -1.66 | -0.00097 | PASS |
| | | | | | | | 20 | -2.53 | -0.00148 | PASS |
| | | | | | | | 30 | -1.16 | -0.00068 | PASS |
| | | | | | | | 40 | -1.29 | -0.00075 | PASS |
| | | | | | | | 50 | 0.03 | 0.00002 | PASS |
| | | | | | | | | | | MCH |
| | | -20 | -6.21 | -0.00358 | PASS | | | | | |
| | | -10 | -2.95 | -0.0017 | PASS | | | | | |
| | | 0 | -3.53 | -0.00204 | PASS | | | | | |
| | | 10 | -4.25 | -0.00245 | PASS | | | | | |
| | | 20 | -4.32 | -0.00249 | PASS | | | | | |
| | | 30 | -5.59 | -0.00323 | PASS | | | | | |
| | | 40 | -4.29 | -0.00248 | PASS | | | | | |
| | | 50 | -2.26 | -0.0013 | PASS | | | | | |
| | | | | | HCH | VN | | | | |
| | | | | | | | -20 | -0.41 | -0.00023 | PASS |
| | | | | | | | -10 | -0.21 | -0.00012 | PASS |
| | | | | | | | 0 | -0.1 | -0.00006 | PASS |
| | | | | | | | 10 | -0.29 | -0.00017 | PASS |
| | | | | | | | 20 | 0.13 | 0.00007 | PASS |
| | | | | | | | 30 | 0.27 | 0.00015 | PASS |
| | | | | | | | 40 | 0.77 | 0.00044 | PASS |
| | | 50 | 0.54 | 0.00031 | PASS | | | | | |
| | | | | 15 | LCH | VN | -30 | -0.31 | -0.00018 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| | | | | | -20 | -0.62 | -0.00036 | PASS |
| | | | | | -10 | 1.69 | 0.00098 | PASS |
| | | | | | 0 | 1.99 | 0.00116 | PASS |
| | | | | | 10 | -0.37 | -0.00022 | PASS |
| | | | | | 20 | -0.76 | -0.00044 | PASS |
| | | | | | 30 | -0.97 | -0.00056 | PASS |
| | | | | | 40 | 2.57 | 0.0015 | PASS |
| | | | | | 50 | 0.29 | 0.00017 | PASS |
| | | | MCH | VN | -30 | -5.34 | -0.00308 | PASS |
| | | | | | -20 | -3.43 | -0.00198 | PASS |
| | | | | | -10 | -3.26 | -0.00188 | PASS |
| | | | | | 0 | -2.53 | -0.00146 | PASS |
| | | | | | 10 | 3.23 | 0.00186 | PASS |
| | | | | | 20 | -1.42 | -0.00082 | PASS |
| | | | | | 30 | -4.49 | -0.00259 | PASS |
| | | | | | 40 | -3.91 | -0.00226 | PASS |
| | | | HCH | VN | -30 | -1.53 | -0.00088 | PASS |
| | | | | | -20 | -3.09 | -0.00177 | PASS |
| | | | | | -10 | -2.46 | -0.00141 | PASS |
| | | | | | 0 | -2.43 | -0.00139 | PASS |
| | | | | | 10 | 0.97 | 0.00056 | PASS |
| | | | | | 20 | 0.59 | 0.00034 | PASS |
| | | | | | 30 | -2.57 | -0.00147 | PASS |
| | | | | | 40 | 1.89 | 0.00108 | PASS |
| | | 20 | LCH | VN | -30 | -1.14 | -0.00066 | PASS |
| | | | | | -20 | -0.3 | -0.00017 | PASS |
| | | | | | -10 | -0.59 | -0.00034 | PASS |
| | | | | | 0 | -0.23 | -0.00013 | PASS |
| | | | | | 10 | -0.03 | -0.00002 | PASS |
| | | | | | 20 | 2.1 | 0.00122 | PASS |
| | | | | | 30 | 1.24 | 0.00072 | PASS |
| | | | | | 40 | -0.46 | -0.00027 | PASS |
| | | | 50 | -0.21 | -0.00012 | PASS | | |
| | | | MCH | VN | -30 | -0.97 | -0.00056 | PASS |
| | | | | | -20 | -5.54 | -0.0032 | PASS |
| | | | | | -10 | -0.67 | -0.00039 | PASS |
| 0 | -2.66 | -0.00154 | | | PASS | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| | | | | | 10 | -3.08 | -0.00178 | PASS |
| | | | | | 20 | -0.37 | -0.00021 | PASS |
| | | | | | 30 | -3.45 | -0.00199 | PASS |
| | | | | | 40 | -2.29 | -0.00132 | PASS |
| | | | | | 50 | -2.39 | -0.00138 | PASS |
| | | | HCH | VN | -30 | 2 | 0.00115 | PASS |
| | | | | | -20 | 2.25 | 0.00129 | PASS |
| | | | | | -10 | 1.27 | 0.00073 | PASS |
| | | | | | 0 | -1.75 | -0.001 | PASS |
| | | | | | 10 | 1.72 | 0.00099 | PASS |
| | | | | | 20 | 2.27 | 0.0013 | PASS |
| | | | | | 30 | -2.39 | -0.00137 | PASS |
| | | | | | 40 | -0.19 | -0.00011 | PASS |
| | | | | | 50 | 2.63 | 0.00151 | PASS |

END