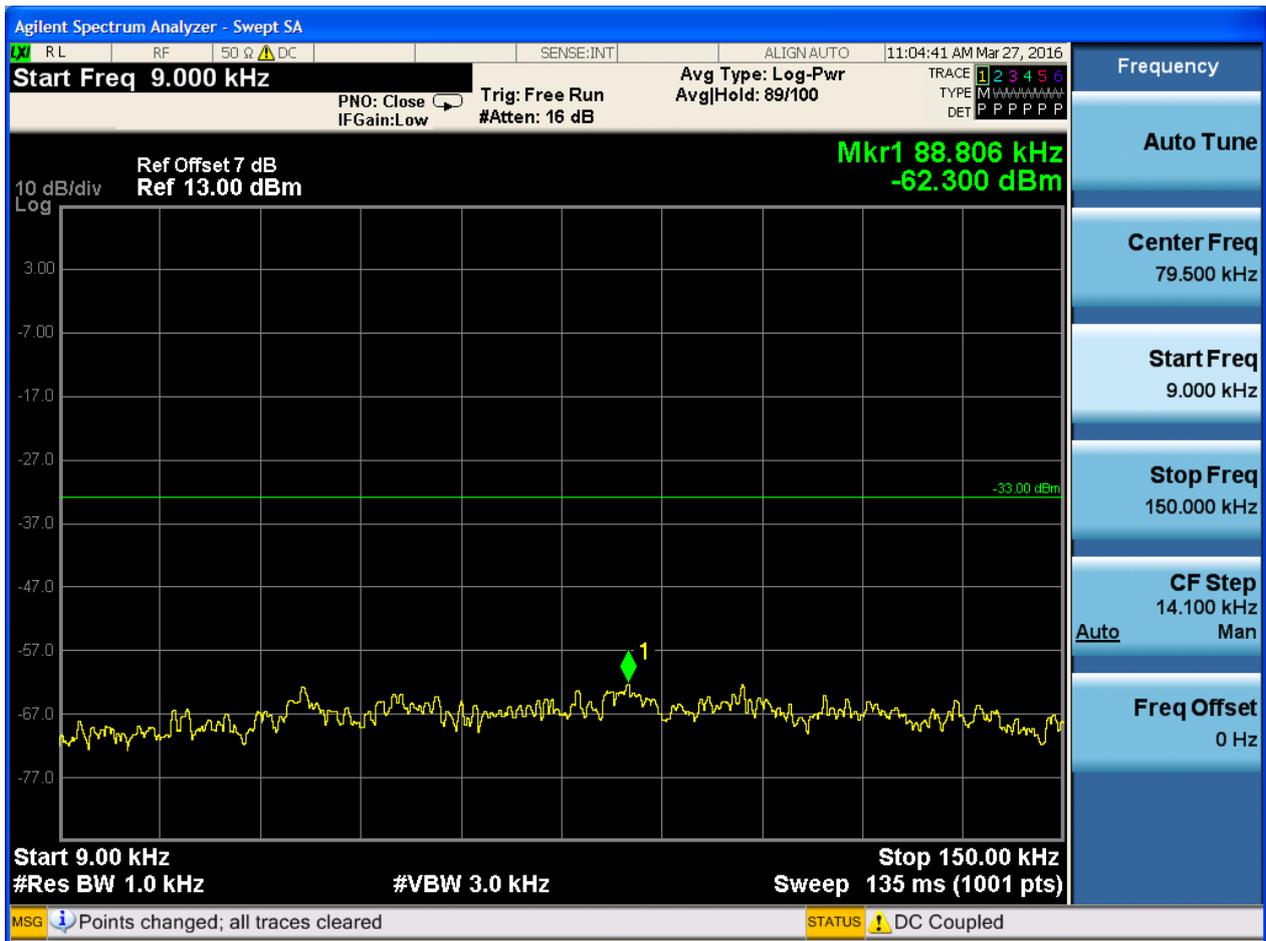


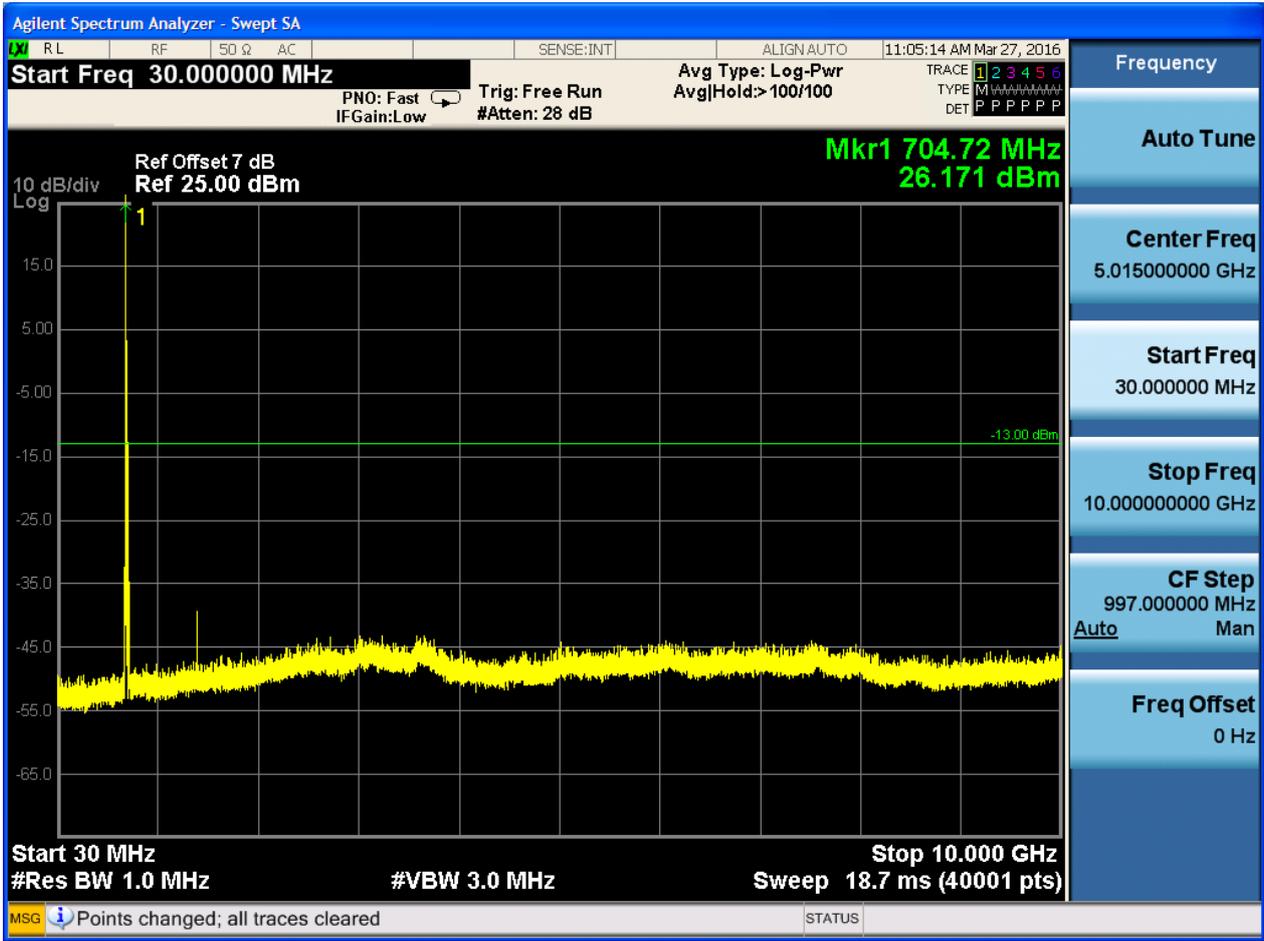


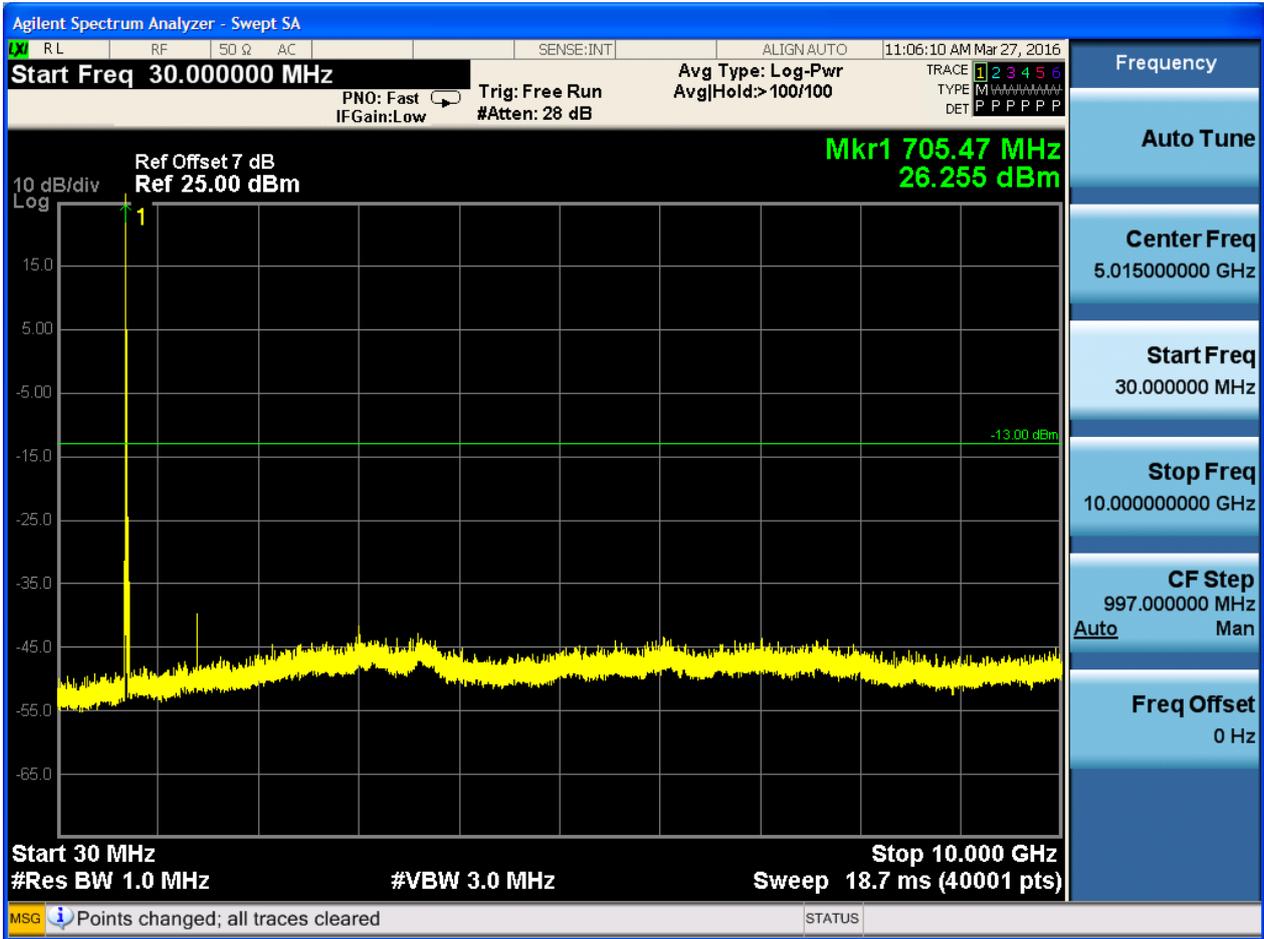
6.1.2.1.2 Test Bandwidth = 10

6.1.2.1.2.1 Test Channel = LCH

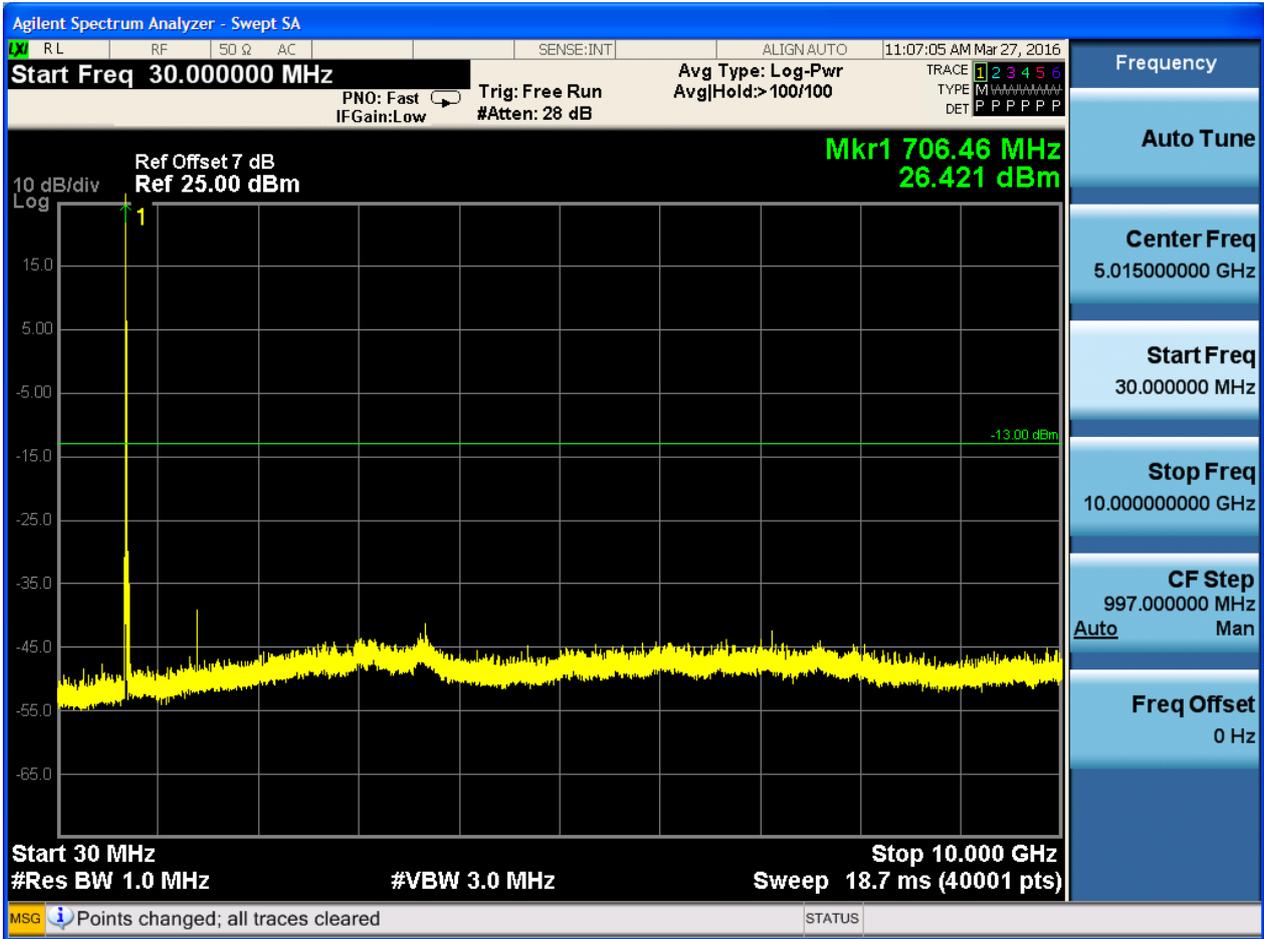
6.1.2.1.2.1.1 Test RB = RB1#0











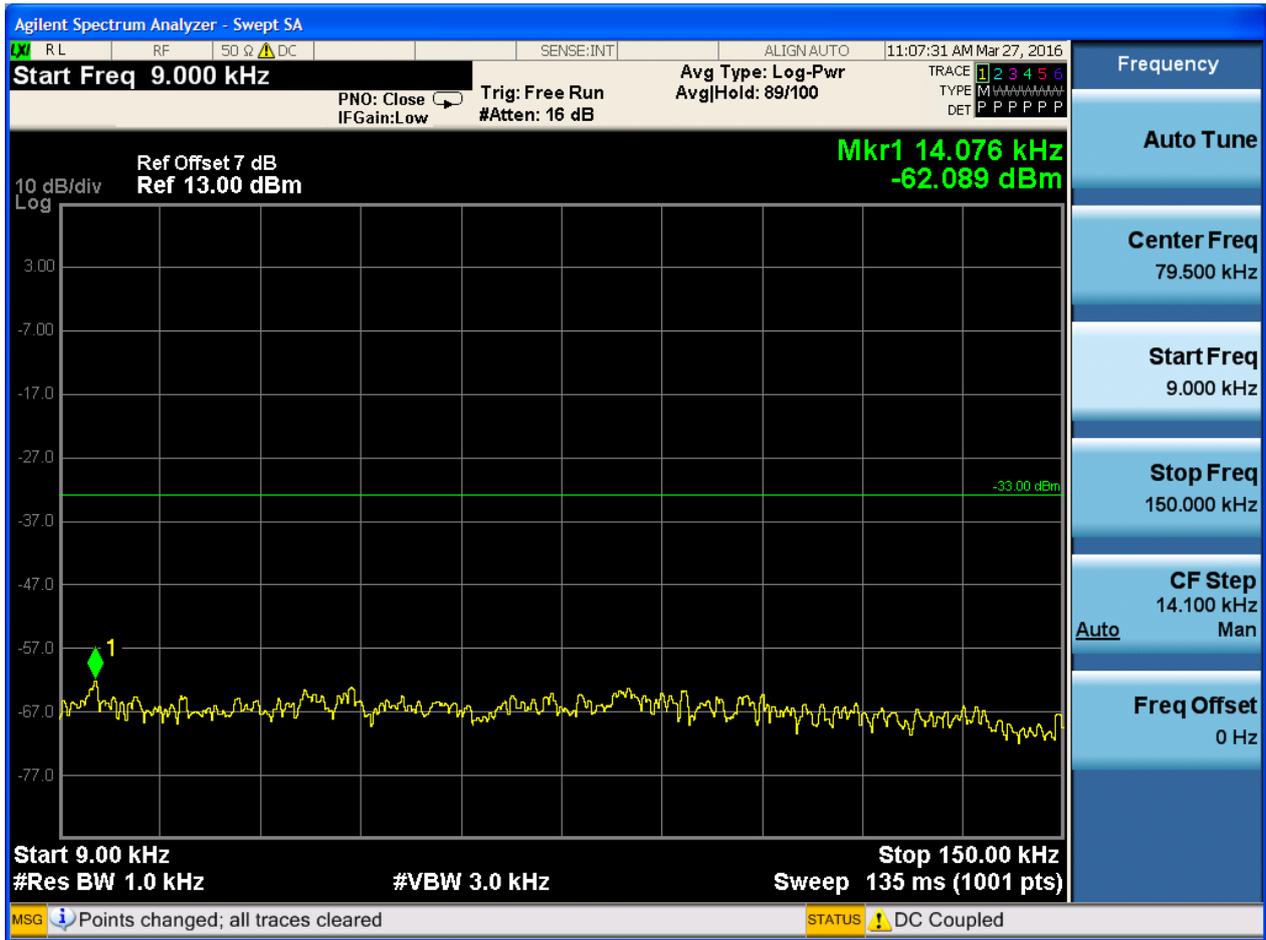


6.1.2.2 Test Mode = LTE/TM2

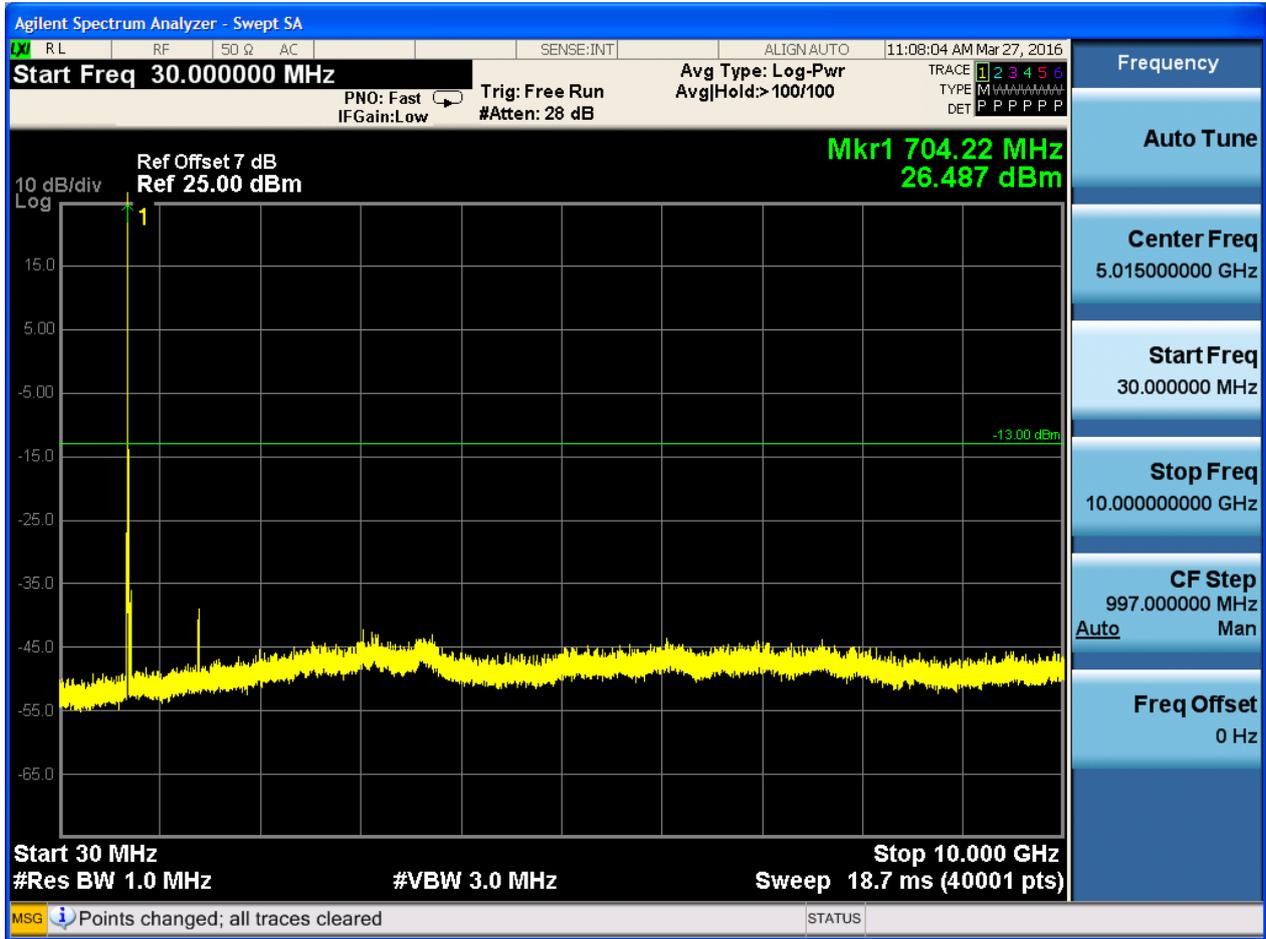
6.1.2.2.1 Test Bandwidth = 5

6.1.2.2.1.1 Test Channel = LCH

6.1.2.2.1.1.1 Test RB = RB1#0





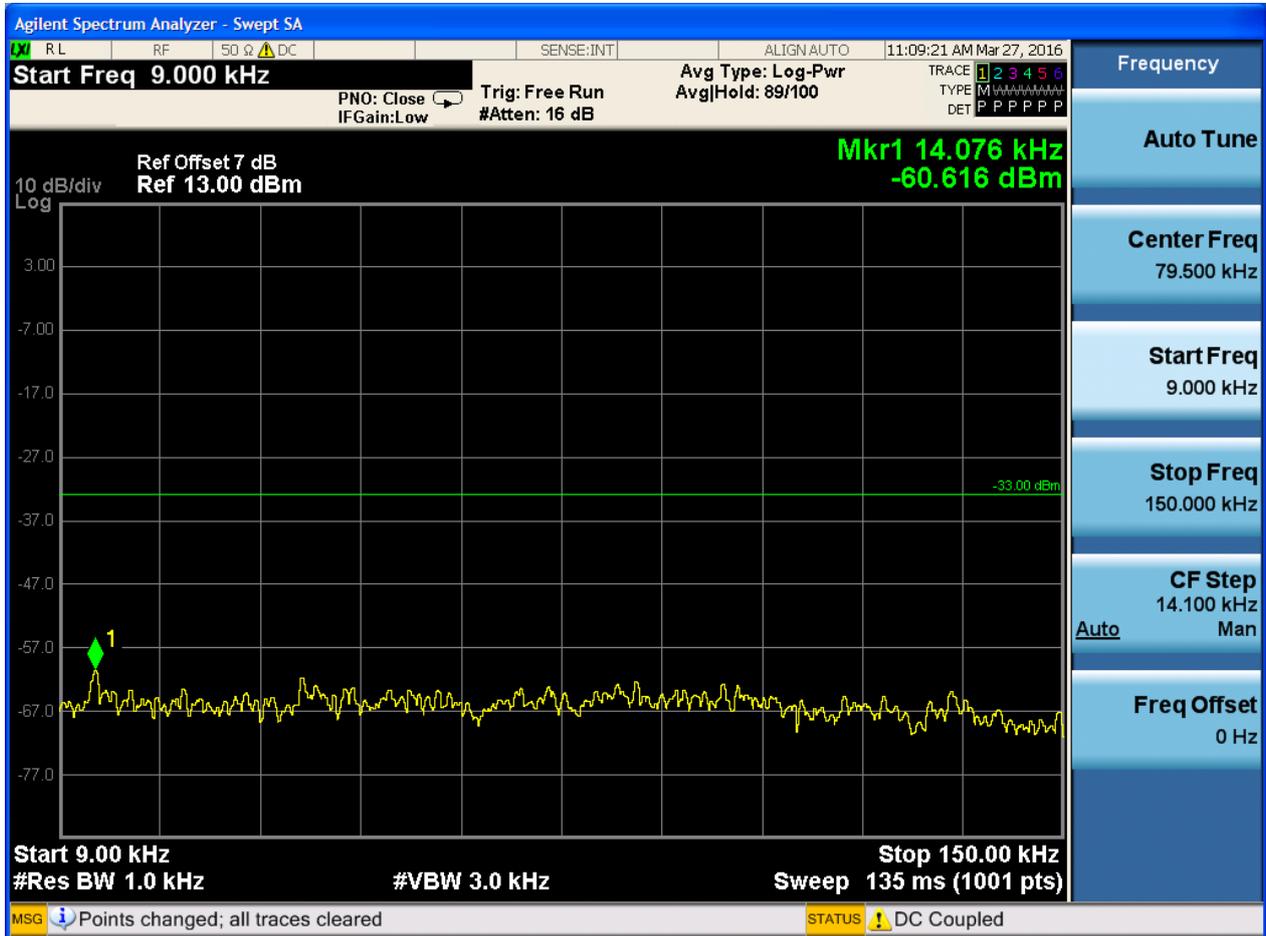






6.1.2.2.1.3 Test Channel = HCH

6.1.2.2.1.3.1 Test RB = RB1#0



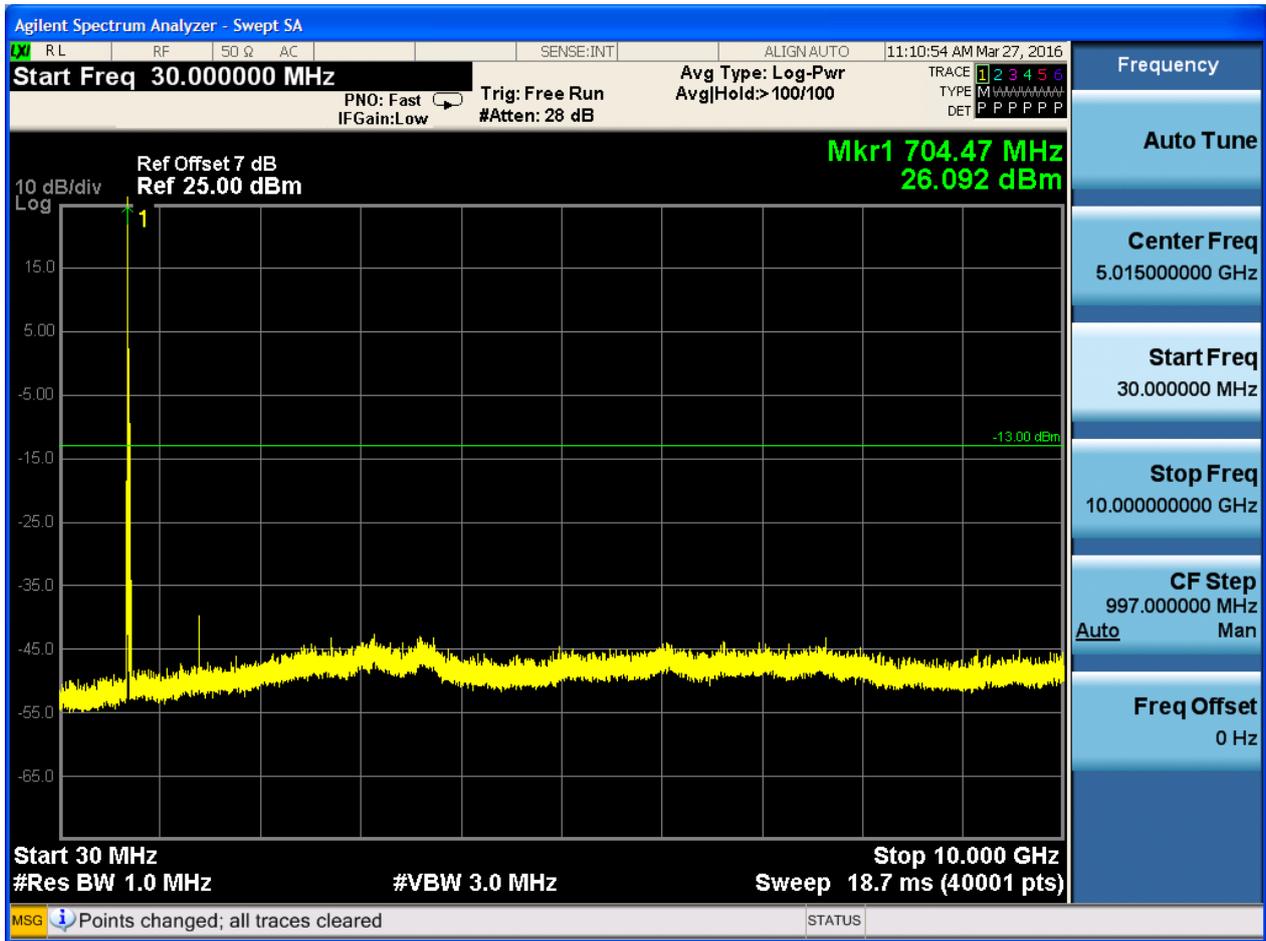


6.1.2.2.2 Test Bandwidth = 10

6.1.2.2.2.1 Test Channel = LCH

6.1.2.2.2.1.1 Test RB = RB1#0

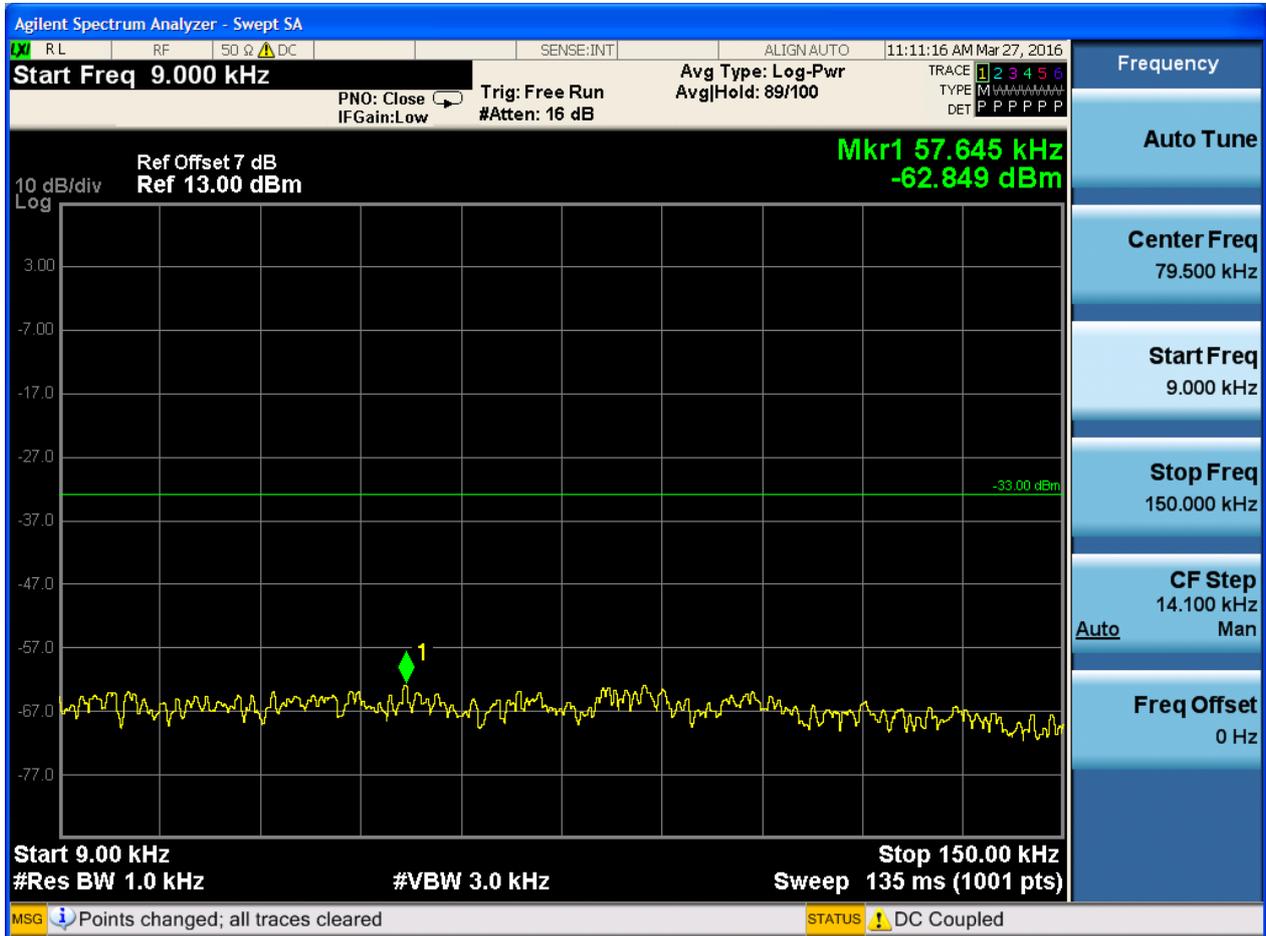




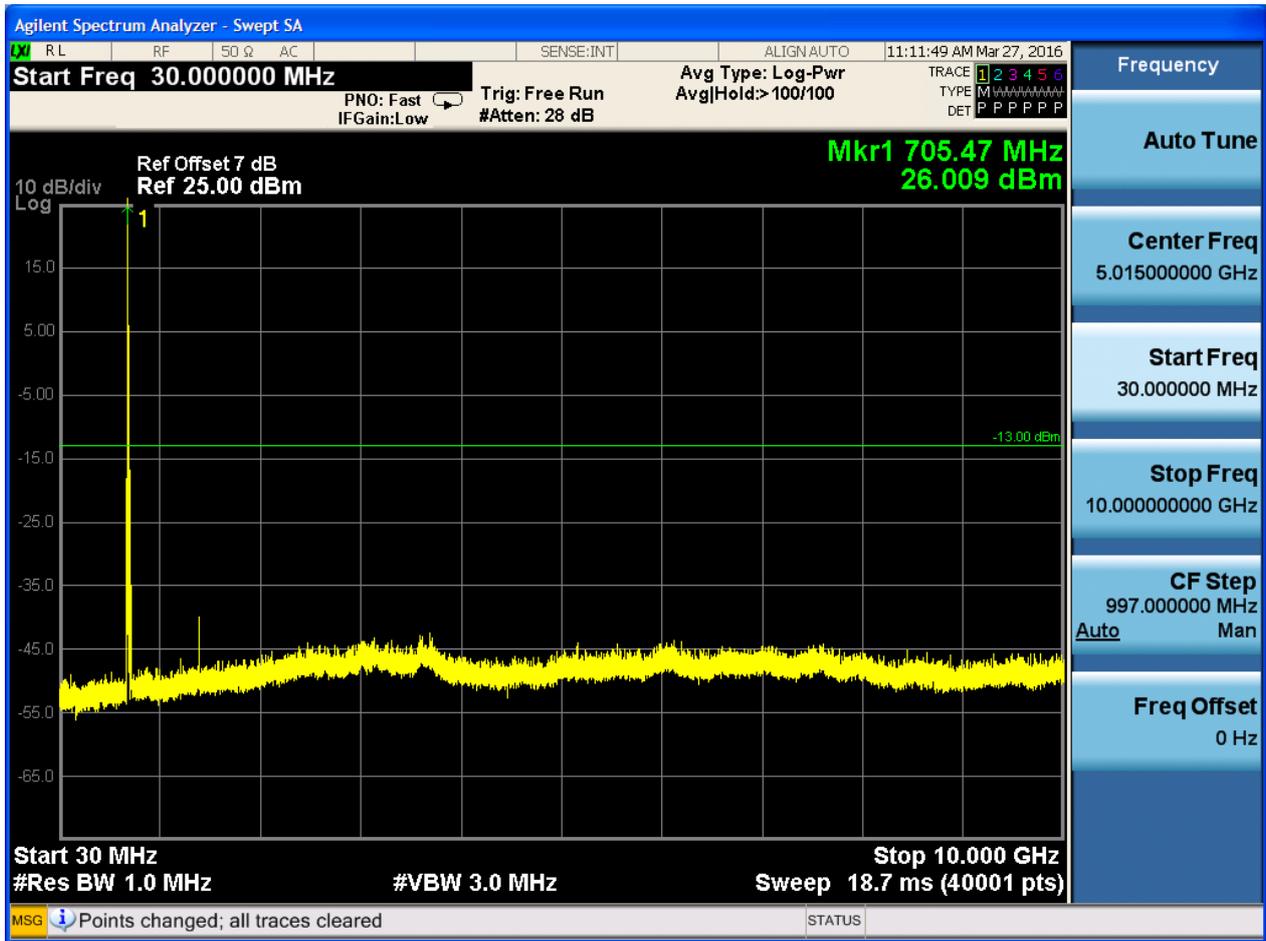


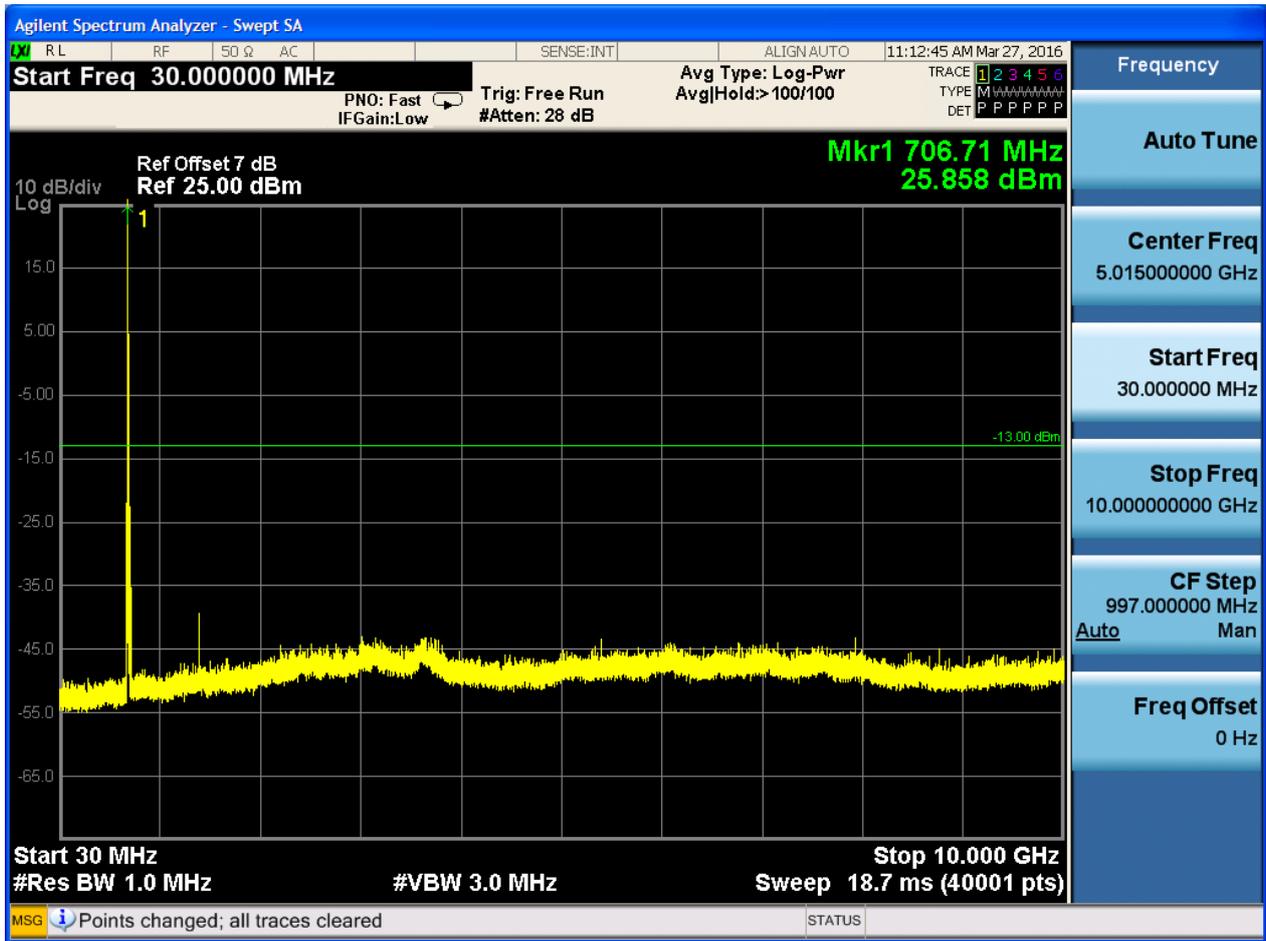
6.1.2.2.2 Test Channel = MCH

6.1.2.2.2.1 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

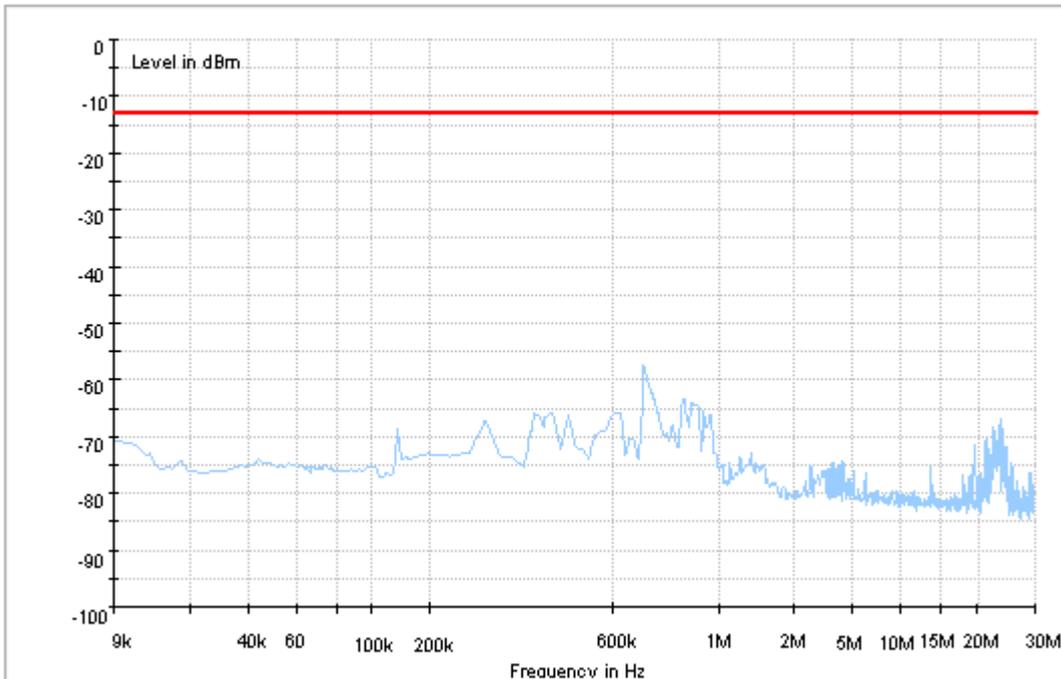
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

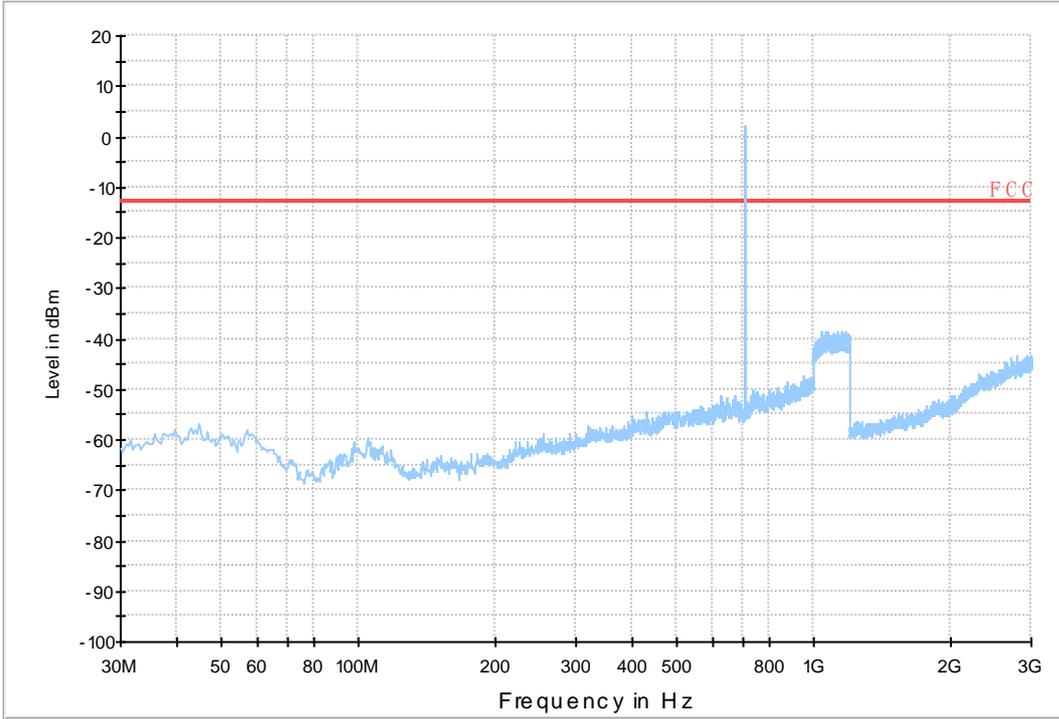
7.1 For LTE

7.1.1 Test Band = BAND12

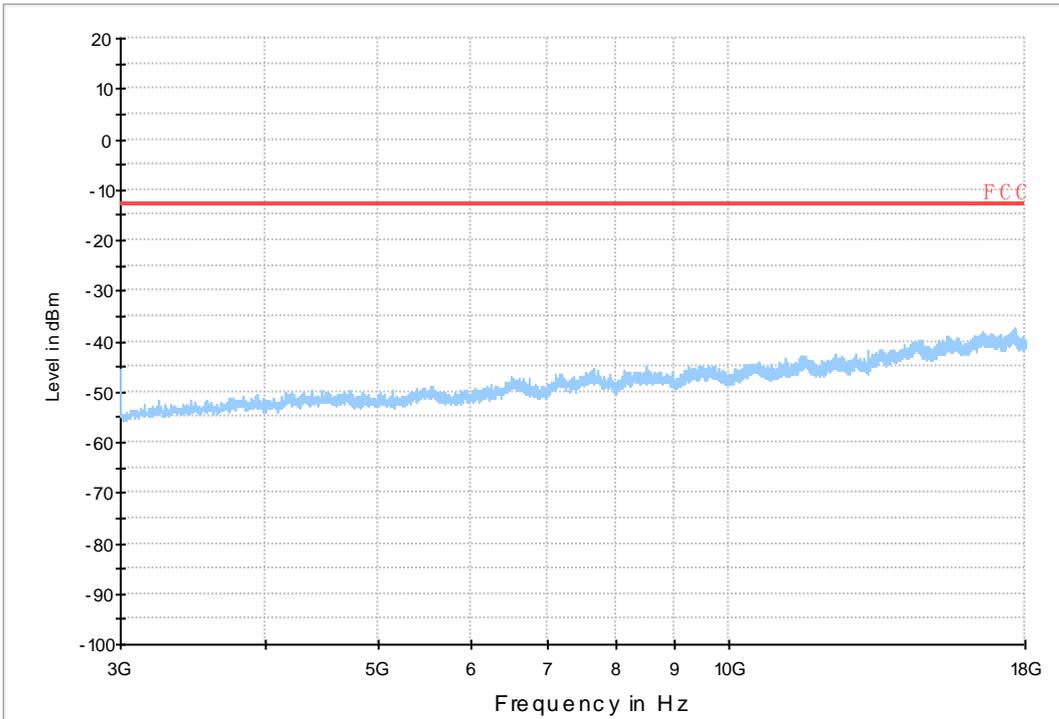
7.1.1.1 Test Bandwidth = 1.4



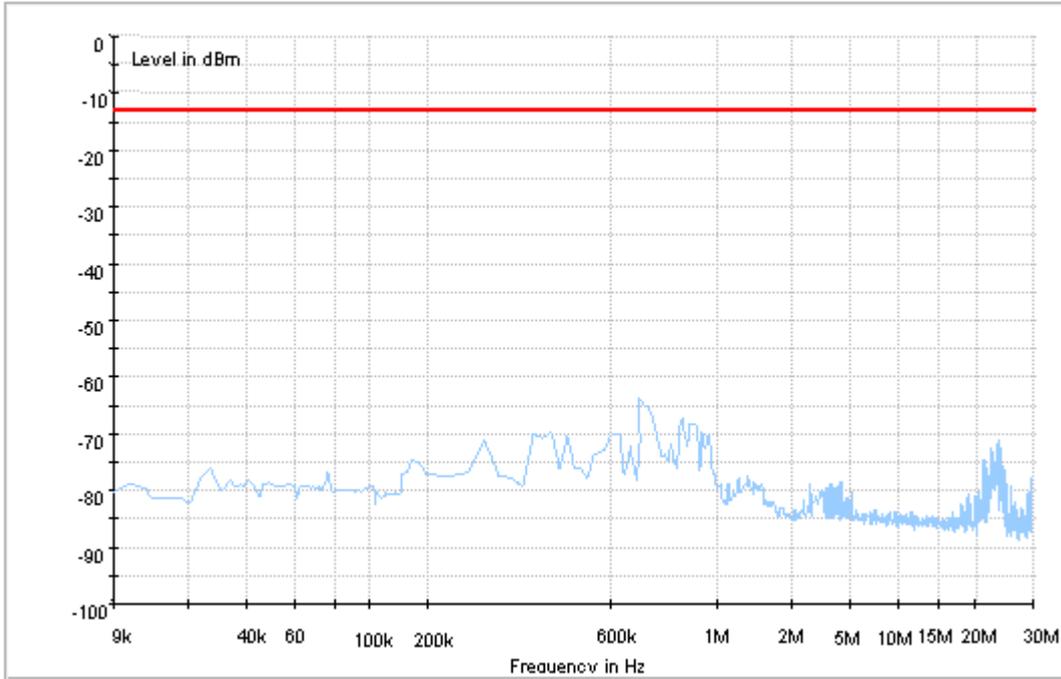
Copy of RSE-TX-DIRECTOR BELOW 1G_L



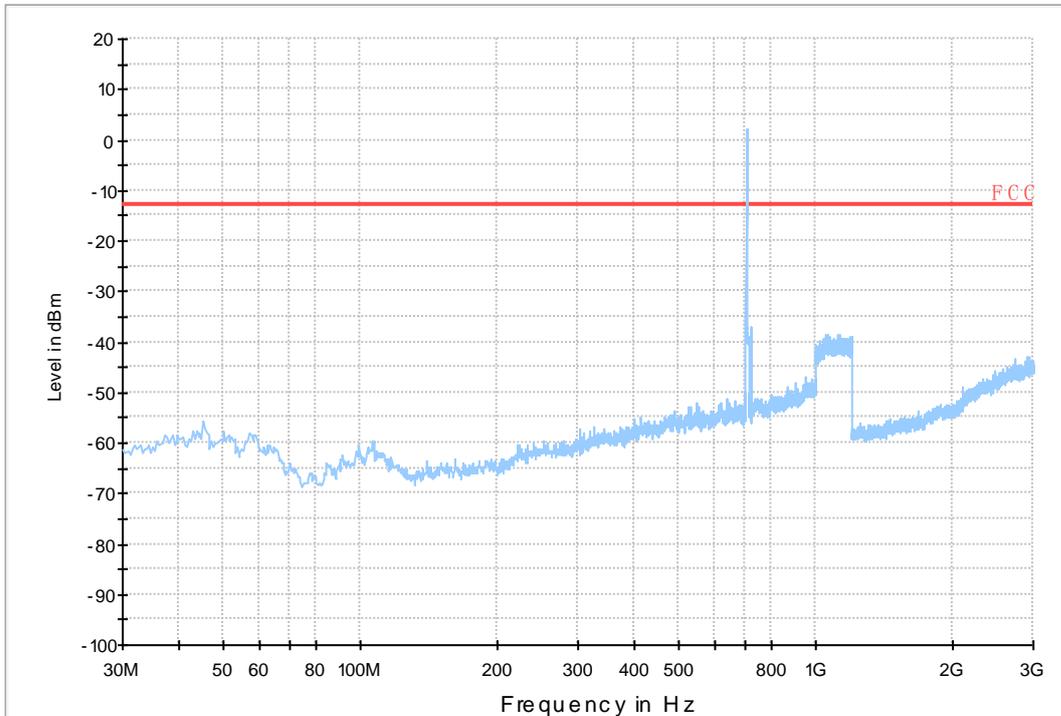
Copy of RSE-TX-DIRECTOR BELOW 1G_H



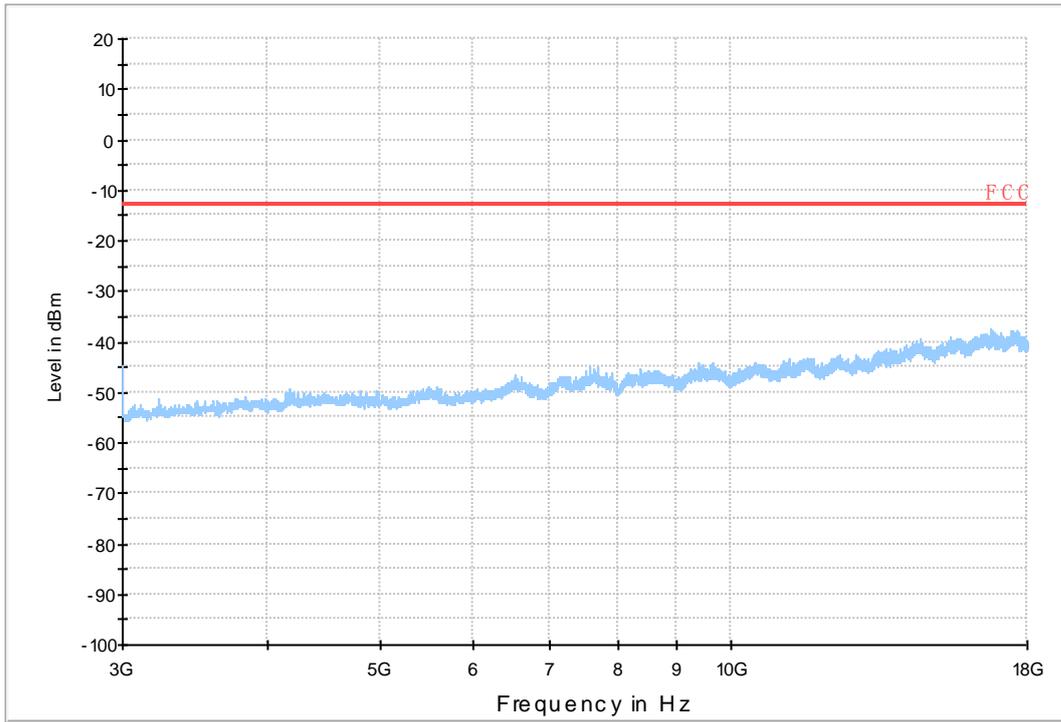
7.1.1.3 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

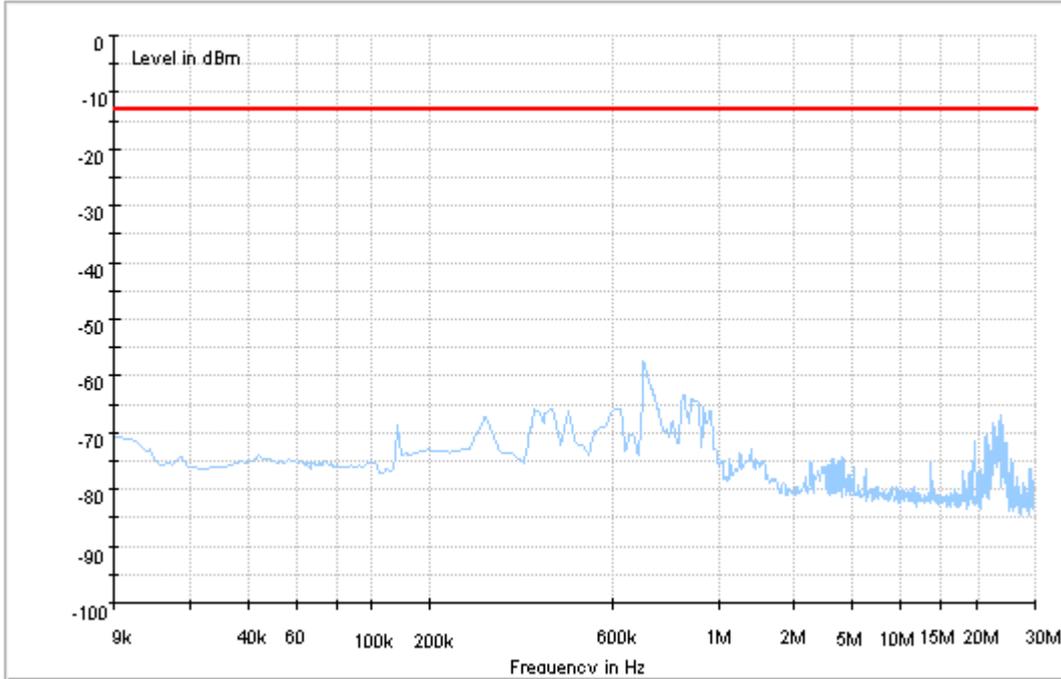


Copy of RSE-TX-DIRECTOR BELOW 1G_H

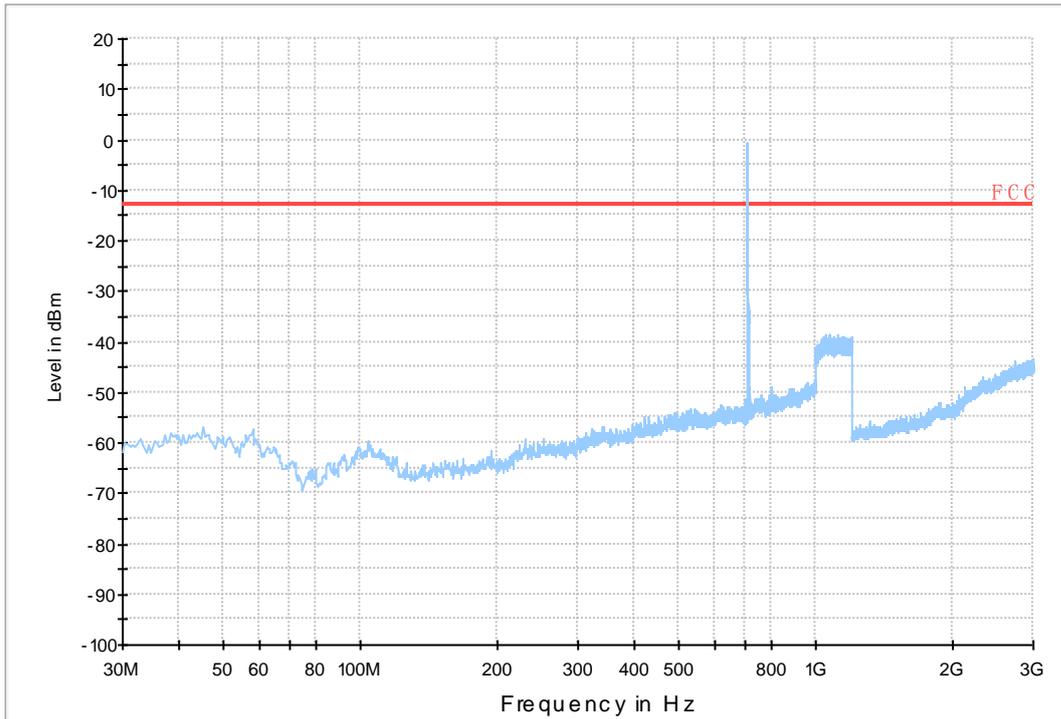


7.1.2 Test Band = BAND17

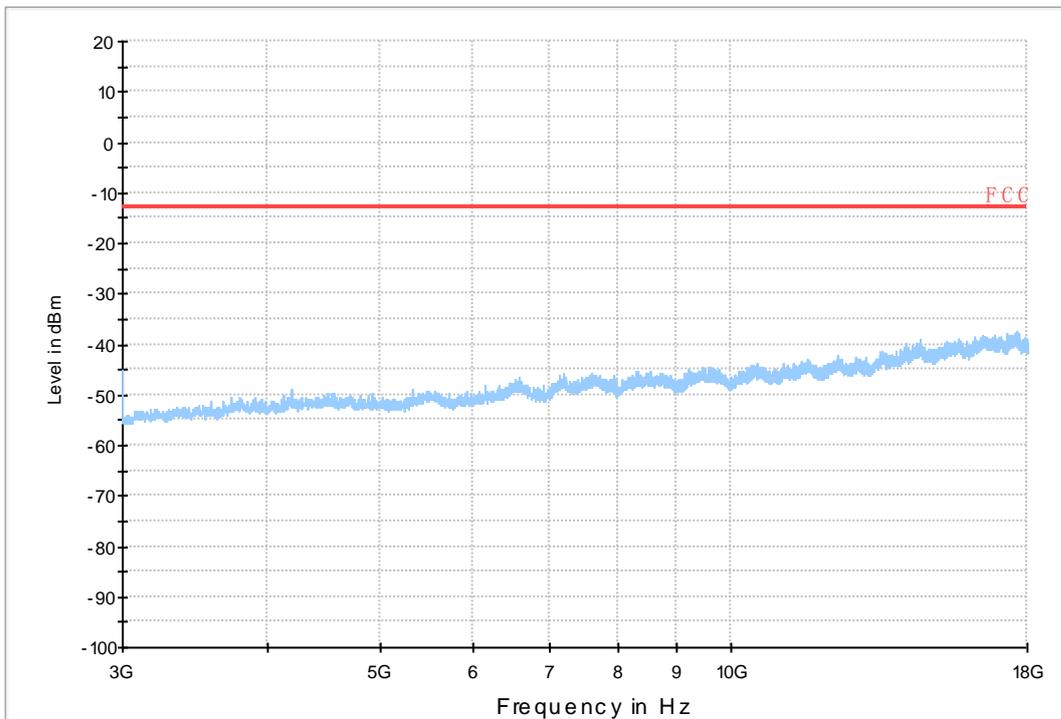
7.1.2.1 Test Bandwidth = 5



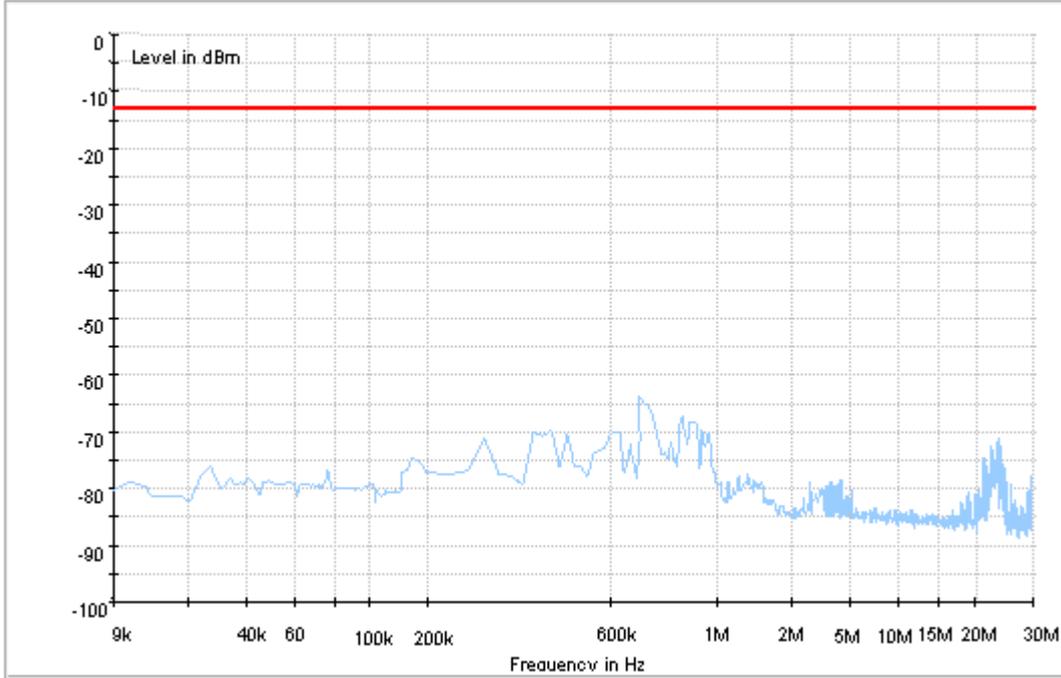
Copy of RSE-TX-DIRECTOR BELOW 1G_L



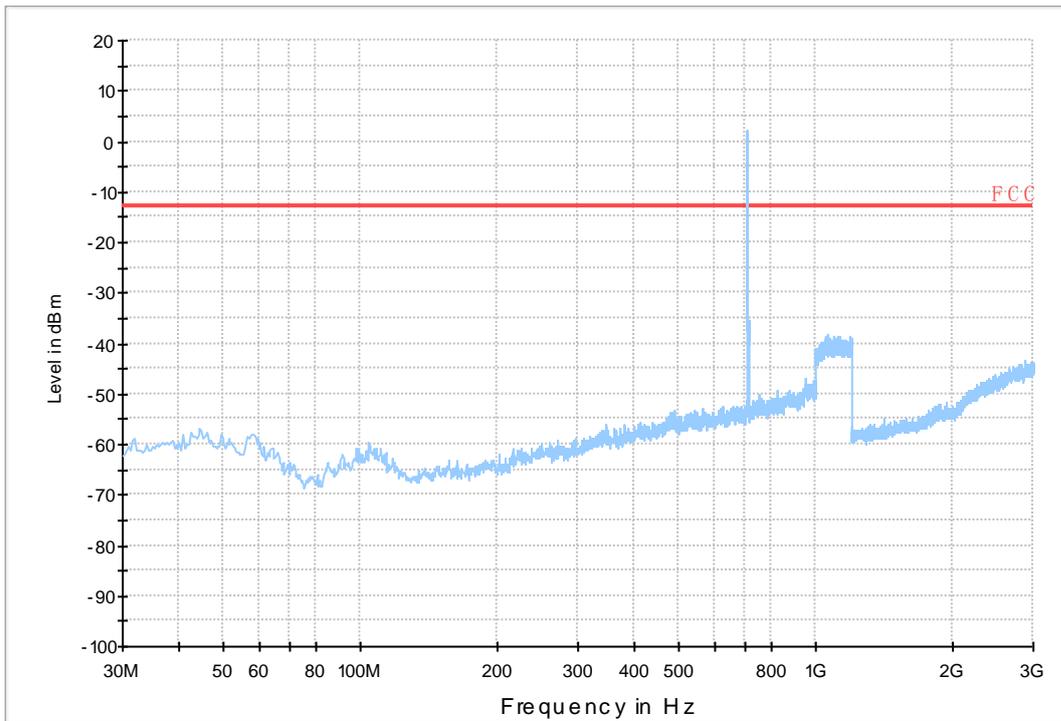
Copy of RSE-TX-DIRECTOR BELOW 1G_H



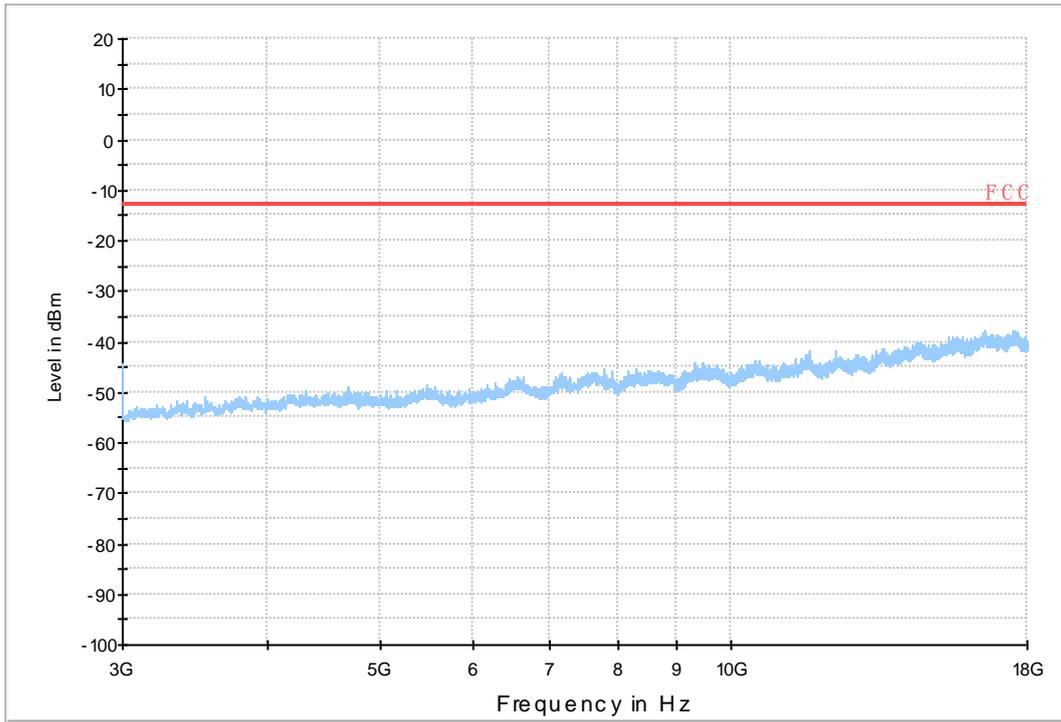
7.1.2.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H





8Appendix_H: Frequency Stability



8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND12 | LTE/TM1 | 1.4 | LCH | TN | VL | -1.09 | -0.00156 | PASS |
| | | | | | VN | -4.69 | -0.0067 | PASS |
| | | | | | VH | -5.49 | -0.00785 | PASS |
| | | | MCH | TN | VL | -1.53 | -0.00216 | PASS |
| | | | | | VN | 1.75 | 0.00247 | PASS |
| | | | | | VH | -8.97 | -0.01268 | PASS |
| | | | HCH | TN | VL | -11.13 | -0.01556 | PASS |
| | | | | | VN | 8.08 | 0.0113 | PASS |
| | | | | | VH | -10.1 | -0.01412 | PASS |
| | | 3 | LCH | TN | VL | -1.43 | -0.00204 | PASS |
| | | | | | VN | 7.17 | 0.01024 | PASS |
| | | | | | VH | -4.36 | -0.00622 | PASS |
| | | | MCH | TN | VL | -9.41 | -0.0133 | PASS |
| | | | | | VN | -1.92 | -0.00271 | PASS |
| | | | | | VH | -0.96 | -0.00136 | PASS |
| | | | HCH | TN | VL | -4.23 | -0.00592 | PASS |
| | | | | | VN | 2.76 | 0.00386 | PASS |
| | | | | | VH | 0.79 | 0.00111 | PASS |
| | | 5 | LCH | TN | VL | -1.12 | -0.0016 | PASS |
| | | | | | VN | -4.36 | -0.00622 | PASS |
| | | | | | VH | 0.51 | 0.00073 | PASS |
| | | | MCH | TN | VL | -2.2 | -0.00311 | PASS |
| | | | | | VN | -4.12 | -0.00582 | PASS |
| | | | | | VH | -2.26 | -0.00319 | PASS |
| | | | HCH | TN | VL | 5.48 | 0.00768 | PASS |
| | | | | | VN | -0.14 | -0.0002 | PASS |
| | | | | | VH | -1.42 | -0.00199 | PASS |
| | | 10 | LCH | TN | VL | 2.13 | 0.00303 | PASS |
| | | | | | VN | -4.22 | -0.00599 | PASS |
| | | | | | VH | -3.92 | -0.00557 | PASS |
| MCH | TN | | VL | -3.66 | -0.00517 | PASS | | |
| | | | VN | 0.26 | 0.00037 | PASS | | |
| | | | VH | -6.09 | -0.00861 | PASS | | |
| HCH | TN | | VL | -7.22 | -0.01015 | PASS | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | LTE/TM2 | | | | VN | -2 | -0.00281 | PASS |
| | | | | | VH | -10.54 | -0.01482 | PASS |
| | | 1.4 | LCH | TN | VL | -4.25 | -0.00607 | PASS |
| | | | | | VN | -0.63 | -0.0009 | PASS |
| | | | | | VH | 1.7 | 0.00243 | PASS |
| | | | | | VL | -11.26 | -0.01592 | PASS |
| | | | MCH | TN | VN | -7.77 | -0.01098 | PASS |
| | | | | | VH | -9.37 | -0.01324 | PASS |
| | | | | | VL | -8.41 | -0.01176 | PASS |
| | | | | | VN | -4.25 | -0.00594 | PASS |
| | | | HCH | TN | VH | 4.78 | 0.00668 | PASS |
| | | | | | VL | 1.46 | 0.00208 | PASS |
| | | | | | VN | -2.02 | -0.00288 | PASS |
| | | | | | VH | -5.94 | -0.00848 | PASS |
| | | 3 | LCH | TN | VL | -2.68 | -0.00379 | PASS |
| | | | | | VN | 0.36 | 0.00051 | PASS |
| | | | | | VH | 2.32 | 0.00328 | PASS |
| | | | | | VL | 2.26 | 0.00316 | PASS |
| | | | MCH | TN | VN | 3.89 | 0.00544 | PASS |
| | | | | | VH | 3.16 | 0.00442 | PASS |
| | | | | | VL | 1.75 | 0.00249 | PASS |
| | | | | | VN | 0.79 | 0.00113 | PASS |
| | | | HCH | TN | VH | -2.85 | -0.00406 | PASS |
| | | | | | VL | 1.06 | 0.0015 | PASS |
| | | | | | VN | -3.16 | -0.00447 | PASS |
| | | | | | VH | -2.37 | -0.00335 | PASS |
| | | 5 | LCH | TN | VL | -0.24 | -0.00034 | PASS |
| | | | | | VN | -1.12 | -0.00157 | PASS |
| | | | | | VH | -0.27 | -0.00038 | PASS |
| | | | | | VL | -1.27 | -0.0018 | PASS |
| | | | MCH | TN | VN | -0.93 | -0.00132 | PASS |
| | | | | | VH | -0.6 | -0.00085 | PASS |
| | | | | | VL | -0.26 | -0.00037 | PASS |
| | | | | | VN | 0.83 | 0.00117 | PASS |
| | | | HCH | TN | VH | 0.9 | 0.00127 | PASS |
| | | | | | VL | -2.13 | -0.003 | PASS |
| | | | | | VN | 1.17 | 0.00165 | PASS |
| | | | | | VH | -1.56 | -0.00219 | PASS |
| | | 10 | LCH | TN | VL | -0.36 | -0.00051 | PASS |
| | | | | | VN | -0.36 | -0.00051 | PASS |
| | | | MCH | TN | VH | -0.36 | -0.00051 | PASS |
| | | | | | VN | -0.36 | -0.00051 | PASS |
| HCH | TN | | VH | -0.36 | -0.00051 | PASS | | |
| | | | VN | -0.36 | -0.00051 | PASS | | |
| BAND17 | LTE/TM1 | 5 | LCH | TN | VL | -0.36 | -0.00051 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|----------|------|
| | LTE/TM2 | 10 | MCH | TN | VN | -2.86 | -0.00405 | PASS | | |
| | | | | | VH | 0.19 | 0.00027 | PASS | | |
| | | | | | VL | -2.93 | -0.00413 | PASS | | |
| | | | | | VN | -1.93 | -0.00272 | PASS | | |
| | | | | | VH | -0.86 | -0.00121 | PASS | | |
| | | | | | VL | -1.3 | -0.00182 | PASS | | |
| | | | HCH | TN | VN | -4.28 | -0.006 | PASS | | |
| | | | | | VH | -5.49 | -0.00769 | PASS | | |
| | | | | | VL | -0.06 | -0.00008 | PASS | | |
| | | | | | LCH | TN | VN | -1.33 | -0.00188 | PASS |
| | | | | | | | VH | -6.81 | -0.00961 | PASS |
| | | | | | | | VL | 2.82 | 0.00397 | PASS |
| | | MCH | TN | VN | 0.86 | 0.00121 | PASS | | | |
| | | | | VH | 3.92 | 0.00552 | PASS | | | |
| | | | | HCH | TN | VL | -9.41 | -0.0133 | PASS | |
| | | | | | | VN | -4.13 | -0.00581 | PASS | |
| | | | | | | VH | -2.5 | -0.00352 | PASS | |
| | | | | 5 | LCH | TN | VL | -5.16 | -0.0073 | PASS |
| | | VN | -7.41 | | | | -0.01049 | PASS | | |
| | | VH | -3.38 | | | | -0.00478 | PASS | | |
| | | MCH | TN | | | | VL | -3.22 | -0.00454 | PASS |
| | | | | | | | VN | 1.86 | 0.00262 | PASS |
| | | | | | | | VH | -1.07 | -0.00151 | PASS |
| | | HCH | TN | | VL | -1.23 | -0.00172 | PASS | | |
| | | | | | VN | -4.78 | -0.0067 | PASS | | |
| | | | | | VH | -3.5 | -0.00491 | PASS | | |
| | | 10 | LCH | | TN | VL | 1.92 | 0.00271 | PASS | |
| | | | | | | VN | -1.09 | -0.00154 | PASS | |
| | | | | | | VH | 5.28 | 0.00745 | PASS | |
| | | | | MCH | | TN | VL | -5.56 | -0.00783 | PASS |
| | | | | | | | VN | 3.78 | 0.00532 | PASS |
| | | | | | | | VH | -4.76 | -0.0067 | PASS |
| | | | HCH | TN | VL | -0.9 | -0.00127 | PASS | | |
| | | | | | VN | -2 | -0.00281 | PASS | | |
| | | | | | VH | -0.13 | -0.00018 | 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 |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| BAND12 | LTE/TM1 | 1.4 | LCH | VN | -30 | -3.33 | -0.00476 | PASS |
| | | | | | -20 | -6.11 | -0.00873 | PASS |
| | | | | | -10 | -4.78 | -0.00683 | PASS |
| | | | | | 0 | -8.93 | -0.01276 | PASS |
| | | | | | 10 | 2.33 | 0.00333 | PASS |
| | | | | | 20 | -1.85 | -0.00264 | PASS |
| | | | | | 30 | 3.86 | 0.00552 | PASS |
| | | | | | 40 | -7.51 | -0.01073 | PASS |
| | | | | | 50 | -9.97 | -0.01425 | PASS |
| | | | MCH | VN | -30 | -9.21 | -0.01302 | PASS |
| | | | | | -20 | -10.33 | -0.0146 | PASS |
| | | | | | -10 | -3.49 | -0.00493 | PASS |
| | | | | | 0 | -12.29 | -0.01737 | PASS |
| | | | | | 10 | -5.39 | -0.00762 | PASS |
| | | | | | 20 | -9.07 | -0.01282 | PASS |
| | | | | | 30 | -2.92 | -0.00413 | PASS |
| | | | | | 40 | -7.71 | -0.0109 | PASS |
| | | | | | 50 | -4.68 | -0.00661 | PASS |
| | | HCH | VN | -30 | -9.46 | -0.01323 | PASS | |
| | | | | -20 | -1.23 | -0.00172 | PASS | |
| | | | | -10 | -0.13 | -0.00018 | PASS | |
| | | | | 0 | -3.05 | -0.00426 | PASS | |
| | | | | 10 | -3.86 | -0.0054 | PASS | |
| | | | | 20 | -4.63 | -0.00647 | PASS | |
| | | | | 30 | -14.22 | -0.01988 | PASS | |
| | | | | 40 | -2.9 | -0.00405 | PASS | |
| | | | | 50 | 1 | 0.0014 | PASS | |
| | | 3 | LCH | VN | -30 | 0.53 | 0.00076 | PASS |
| | | | | | -20 | 2.26 | 0.00323 | PASS |
| | | | | | -10 | -1.13 | -0.00161 | PASS |
| | | | | | 0 | -2.17 | -0.0031 | PASS |
| | | | | | 10 | 5.95 | 0.00849 | PASS |
| | | | | | 20 | 0.67 | 0.00096 | PASS |
| | | | | | 30 | -0.26 | -0.00037 | PASS |
| | | | | | 40 | -0.33 | -0.00047 | PASS |
| | | | | | 50 | -2.36 | -0.00337 | PASS |
| MCH | VN | | -30 | 2.63 | 0.00372 | PASS | | |
| | | | -20 | 0.2 | 0.00028 | PASS | | |
| | | | -10 | 4.06 | 0.00574 | PASS | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| | | | | | 0 | -3.23 | -0.00457 | PASS |
| | | | | | 10 | -1.16 | -0.00164 | PASS |
| | | | | | 20 | 4.06 | 0.00574 | PASS |
| | | | | | 30 | 0.19 | 0.00027 | PASS |
| | | | | | 40 | 2.19 | 0.0031 | PASS |
| | | | | | 50 | -3.1 | -0.00438 | PASS |
| | | | HCH | VN | -30 | 3.6 | 0.00504 | PASS |
| | | | | | -20 | -0.54 | -0.00076 | PASS |
| | | | | | -10 | 0.01 | 0.00001 | PASS |
| | | | | | 0 | -1.32 | -0.00185 | PASS |
| | | | | | 10 | -4.58 | -0.00641 | PASS |
| | | | | | 20 | 3.98 | 0.00557 | PASS |
| | | | | | 30 | -0.04 | -0.00006 | PASS |
| | | | | | 40 | 3 | 0.0042 | PASS |
| | | 50 | -6.74 | -0.00943 | PASS | | | |
| | | 5 | LCH | VN | -30 | -2.96 | -0.00422 | PASS |
| | | | | | -20 | -2.19 | -0.00312 | PASS |
| | | | | | -10 | 3.58 | 0.0051 | PASS |
| | | | | | 0 | -2.19 | -0.00312 | PASS |
| | | | | | 10 | -3.26 | -0.00465 | PASS |
| | | | | | 20 | -2.8 | -0.00399 | PASS |
| | | | | | 30 | -1.3 | -0.00185 | PASS |
| | | | | | 40 | 0.79 | 0.00113 | PASS |
| | | | | | 50 | 1.06 | 0.00151 | PASS |
| | | | MCH | VN | -30 | -0.87 | -0.00123 | PASS |
| | | | | | -20 | 1.85 | 0.00261 | PASS |
| | | | | | -10 | -2.07 | -0.00293 | PASS |
| | | | | | 0 | 0.47 | 0.00066 | PASS |
| | | | | | 10 | 3.63 | 0.00513 | PASS |
| | | | | | 20 | -1.47 | -0.00208 | PASS |
| | | | | | 30 | -3.55 | -0.00502 | PASS |
| | | | | | 40 | -1.57 | -0.00222 | PASS |
| | | | 50 | -5.36 | -0.00758 | PASS | | |
| | | HCH | VN | -30 | 2.75 | 0.00385 | PASS | |
| | | | | -20 | -1.62 | -0.00227 | PASS | |
| | | | | -10 | -3.42 | -0.00479 | PASS | |
| | | | | 0 | -0.64 | -0.0009 | PASS | |
| | | | | 10 | -2.05 | -0.00287 | PASS | |
| | | | | 20 | 0.76 | 0.00107 | PASS | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| | | 10 | LCH | VN | 30 | -0.69 | -0.00097 | PASS |
| | | | | | 40 | 0.79 | 0.00111 | PASS |
| | | | | | 50 | -4.33 | -0.00607 | PASS |
| | | | | | -30 | -5.72 | -0.00813 | PASS |
| | | | | | -20 | 3.95 | 0.00561 | PASS |
| | | | -10 | -1.33 | -0.00189 | PASS | | |
| | | | 0 | -1.26 | -0.00179 | PASS | | |
| | | | 10 | 0.7 | 0.00099 | PASS | | |
| | | | 20 | -2.22 | -0.00315 | PASS | | |
| | | | 30 | -1.12 | -0.00159 | PASS | | |
| | | 40 | -3.98 | -0.00565 | PASS | | | |
| | | 50 | -0.57 | -0.00081 | PASS | | | |
| | | MCH | VN | -30 | -0.96 | -0.00136 | PASS | |
| | | | | -20 | -2.93 | -0.00414 | PASS | |
| | | | | -10 | 3.3 | 0.00466 | PASS | |
| | | | | 0 | 2.12 | 0.003 | PASS | |
| | | | | 10 | 3.96 | 0.0056 | PASS | |
| | | | | 20 | -0.31 | -0.00044 | PASS | |
| | | | | 30 | 6.14 | 0.00868 | PASS | |
| | | 40 | -4.56 | -0.00645 | PASS | | | |
| | 50 | 3.18 | 0.00449 | PASS | | | | |
| | HCH | VN | -30 | -9.06 | -0.01274 | PASS | | |
| | | | -20 | -13.16 | -0.01851 | PASS | | |
| | | | -10 | -14.91 | -0.02097 | PASS | | |
| | | | 0 | 2.29 | 0.00322 | PASS | | |
| | | | 10 | -4.32 | -0.00608 | PASS | | |
| | | | 20 | -4.22 | -0.00594 | PASS | | |
| | | | 30 | -9.31 | -0.01309 | PASS | | |
| | | | 40 | -0.64 | -0.0009 | PASS | | |
| | 50 | 1.92 | 0.0027 | PASS | | | | |
| | LTE/TM2 | 1.4 | LCH | VN | -30 | -5.26 | -0.00752 | PASS |
| | | | | | -20 | -3.93 | -0.00562 | PASS |
| -10 | | | | | 0.99 | 0.00141 | PASS | |
| 0 | | | | | -0.76 | -0.00109 | PASS | |
| 10 | | | | | -2.19 | -0.00313 | PASS | |
| 20 | | | | | -10.5 | -0.01501 | PASS | |
| 30 | | | | | -9.2 | -0.01315 | PASS | |
| 40 | | | | | 0.2 | 0.00029 | PASS | |
| 50 | -6.85 | -0.00979 | PASS | | | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| | | | MCH | VN | -30 | -4.43 | -0.00626 | PASS |
| | | | | | -20 | -2.93 | -0.00414 | PASS |
| | | | | | -10 | 3.59 | 0.00507 | PASS |
| | | | | | 0 | -5.76 | -0.00814 | PASS |
| | | | | | 10 | -2.16 | -0.00305 | PASS |
| | | | | | 20 | -5.01 | -0.00708 | PASS |
| | | | | | 30 | -3.73 | -0.00527 | PASS |
| | | | | | 40 | 3.63 | 0.00513 | PASS |
| | | | | | 50 | 9.13 | 0.0129 | PASS |
| | | | HCH | VN | -30 | -4.29 | -0.006 | PASS |
| | | | | | -20 | -3.32 | -0.00464 | PASS |
| | | | | | -10 | -5.35 | -0.00748 | PASS |
| | | | | | 0 | -12.72 | -0.01778 | PASS |
| | | | | | 10 | -1.85 | -0.00259 | PASS |
| | | | | | 20 | -4.91 | -0.00686 | PASS |
| | | | | | 30 | -6.21 | -0.00868 | PASS |
| | | | | | 40 | -13.29 | -0.01858 | PASS |
| | | | | | 50 | 3.52 | 0.00492 | PASS |
| | | 3 | LCH | VN | -30 | -1.14 | -0.00163 | PASS |
| | | | | | -20 | 1.32 | 0.00188 | PASS |
| | | | | | -10 | -2 | -0.00286 | PASS |
| | | | | | 0 | -1.34 | -0.00191 | PASS |
| | | | | | 10 | 3.06 | 0.00437 | PASS |
| | | | | | 20 | 2.26 | 0.00323 | PASS |
| | | | | | 30 | -0.62 | -0.00089 | PASS |
| | | | | | 40 | 3.78 | 0.0054 | PASS |
| | | | | | 50 | 5.32 | 0.00759 | PASS |
| | | | MCH | VN | -30 | -0.41 | -0.00058 | PASS |
| | | | | | -20 | -1.14 | -0.00161 | PASS |
| | | | | | -10 | 0.9 | 0.00127 | PASS |
| | | | | | 0 | 3.46 | 0.00489 | PASS |
| | | | | | 10 | -1.2 | -0.0017 | PASS |
| | | | | | 20 | -0.24 | -0.00034 | PASS |
| | | | | | 30 | 1.33 | 0.00188 | PASS |
| | | | | | 40 | 2.88 | 0.00407 | PASS |
| | | | | | 50 | -1.17 | -0.00165 | PASS |
| HCH | VN | -30 | -3.58 | -0.00501 | PASS | | | |
| | | -20 | 0.37 | 0.00052 | PASS | | | |
| | | -10 | -2.16 | -0.00302 | PASS | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | | |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|----------|-------|----------|------|
| | | | | | 0 | -1.29 | -0.00181 | PASS | | | |
| | | | | | 10 | -1.22 | -0.00171 | PASS | | | |
| | | | | | 20 | -2.13 | -0.00298 | PASS | | | |
| | | | | | 30 | -1 | -0.0014 | PASS | | | |
| | | | | | 40 | 1.65 | 0.00231 | PASS | | | |
| | | | | | 50 | -1.83 | -0.00256 | PASS | | | |
| | | 5 | | LCH | VN | -30 | 1.59 | 0.00227 | PASS | | |
| | | | | | | -20 | 2.7 | 0.00385 | PASS | | |
| | | | | | | -10 | -1.14 | -0.00163 | PASS | | |
| | | | | | | 0 | -1.44 | -0.00205 | PASS | | |
| | | | | | | 10 | 0.94 | 0.00134 | PASS | | |
| | | | | | | 20 | 2.45 | 0.00349 | PASS | | |
| | | | | | | 30 | -1.69 | -0.00241 | PASS | | |
| | | | | | | 40 | 3.43 | 0.00489 | PASS | | |
| | | | | | | 50 | -2.66 | -0.00379 | PASS | | |
| | | | | | | MCH | VN | -30 | -3.06 | -0.00433 | PASS |
| | | | | | | | | -20 | 3.23 | 0.00457 | PASS |
| | | | | | | | | -10 | -3.15 | -0.00445 | PASS |
| | | | | 0 | 3.1 | | | 0.00438 | PASS | | |
| | | | | 10 | -0.77 | | | -0.00109 | PASS | | |
| | | | | 20 | -4.15 | | | -0.00587 | PASS | | |
| | | | | 30 | -1.5 | | | -0.00212 | PASS | | |
| | | | | 40 | -2.57 | | | -0.00363 | PASS | | |
| | | | | HCH | VN | -30 | 3.88 | 0.00544 | PASS | | |
| | | | | | | -20 | -2.55 | -0.00357 | PASS | | |
| | | | | | | -10 | 2.63 | 0.00369 | PASS | | |
| | | | | | | 0 | 2.98 | 0.00418 | PASS | | |
| | | | | | | 10 | -3.18 | -0.00446 | PASS | | |
| | | | | | | 20 | 1.7 | 0.00238 | PASS | | |
| | | | | | | 30 | 1.42 | 0.00199 | PASS | | |
| | | 40 | -1.89 | | | -0.00265 | PASS | | | | |
| | | 10 | | LCH | VN | -30 | -6.95 | -0.00987 | PASS | | |
| | | | | | | -20 | -4.12 | -0.00585 | PASS | | |
| | | | | | | -10 | -6.11 | -0.00868 | PASS | | |
| | | | | | | 0 | -0.63 | -0.00089 | PASS | | |
| | | | | | | 10 | 1.43 | 0.00203 | PASS | | |
| | | | | | | 20 | 1.82 | 0.00259 | PASS | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| | | | | | 30 | -4.82 | -0.00685 | PASS |
| | | | | | 40 | -6.14 | -0.00872 | PASS |
| | | | | | 50 | -1.22 | -0.00173 | PASS |
| | | | MCH | VN | -30 | 3.99 | 0.00564 | PASS |
| | | | | | -20 | -1 | -0.00141 | PASS |
| | | | | | -10 | 1.87 | 0.00264 | PASS |
| | | | | | 0 | -0.51 | -0.00072 | PASS |
| | | | | | 10 | -1.8 | -0.00254 | PASS |
| | | | | | 20 | 3.25 | 0.00459 | PASS |
| | | | | | 30 | 4.82 | 0.00681 | PASS |
| | | | | | 40 | -3.32 | -0.00469 | PASS |
| | | | | | 50 | 3.83 | 0.00541 | PASS |
| | | | | | HCH | VN | -30 | -2.4 |
| | | | -20 | -0.34 | | | -0.00048 | PASS |
| | | | -10 | 3.15 | | | 0.00443 | PASS |
| | | | 0 | 6.57 | | | 0.00924 | PASS |
| | | | 10 | -0.73 | | | -0.00103 | PASS |
| | | | 20 | 3.99 | | | 0.00561 | PASS |
| | | | 30 | 2.56 | | | 0.0036 | PASS |
| | | | 40 | 8.94 | | | 0.01257 | PASS |
| | | | 50 | 1.5 | 0.00211 | PASS | | |
| BAND17 | LTE/TM1 | 5 | LCH | VN | -30 | -11.1 | -0.01571 | PASS |
| | | | | | -20 | -0.03 | -0.00004 | PASS |
| | | | | | -10 | -0.33 | -0.00047 | PASS |
| | | | | | 0 | -0.33 | -0.00047 | PASS |
| | | | | | 10 | -1.44 | -0.00204 | PASS |
| | | | | | 20 | -1.53 | -0.00217 | PASS |
| | | | | | 30 | -0.6 | -0.00085 | PASS |
| | | | | | 40 | -2.52 | -0.00357 | PASS |
| | | | | | 50 | -6.25 | -0.00885 | PASS |
| | | | MCH | VN | -30 | 3.26 | 0.00459 | PASS |
| | | | | | -20 | -1.26 | -0.00177 | PASS |
| | | | | | -10 | 0.8 | 0.00113 | PASS |
| | | | | | 0 | -2.8 | -0.00394 | PASS |
| | | | | | 10 | -1.23 | -0.00173 | PASS |
| | | | | | 20 | -2.03 | -0.00286 | PASS |
| | | | | | 30 | -0.37 | -0.00052 | PASS |
| | | | | | 40 | -3.33 | -0.00469 | PASS |
| | | | | | 50 | 3 | 0.00423 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|----------|------|
| | | | HCH | VN | -30 | -1.36 | -0.00191 | PASS | |
| | | | | | -20 | -0.59 | -0.00083 | PASS | |
| | | | | | -10 | -1.14 | -0.0016 | PASS | |
| | | | | | 0 | 3.19 | 0.00447 | PASS | |
| | | | | | 10 | -2.55 | -0.00357 | PASS | |
| | | | | | 20 | 2.98 | 0.00418 | PASS | |
| | | | | | 30 | -5.49 | -0.00769 | PASS | |
| | | | | | 40 | 1.67 | 0.00234 | PASS | |
| | | | | | 50 | 1.67 | 0.00234 | PASS | |
| | | | LCH | VN | -30 | -5.56 | -0.00784 | PASS | |
| | | | | | -20 | -6.35 | -0.00896 | PASS | |
| | | | | | -10 | -7.51 | -0.01059 | PASS | |
| | | | | | 0 | -2.99 | -0.00422 | PASS | |
| | | | | | 10 | -6.34 | -0.00894 | PASS | |
| | | | | | 20 | -9.16 | -0.01292 | PASS | |
| | | | | | 30 | -1.03 | -0.00145 | PASS | |
| | | | | | 40 | 1.27 | 0.00179 | PASS | |
| | | | | | 50 | -9.46 | -0.01334 | PASS | |
| | | MCH | VN | -30 | -3.73 | -0.00525 | PASS | | |
| | | | | -20 | -7.91 | -0.01114 | PASS | | |
| | | | | -10 | -4.76 | -0.0067 | PASS | | |
| | | | | 0 | -4.88 | -0.00687 | PASS | | |
| | | | | 10 | -8.5 | -0.01197 | PASS | | |
| | | | | 20 | -8.48 | -0.01194 | PASS | | |
| | | | | 30 | -1.53 | -0.00215 | PASS | | |
| | | | | 40 | -6.35 | -0.00894 | PASS | | |
| | | | | 50 | -5.01 | -0.00706 | PASS | | |
| | | HCH | VN | -30 | -6.21 | -0.00873 | PASS | | |
| | | | | -20 | -15.18 | -0.02135 | PASS | | |
| | | | | -10 | 0.41 | 0.00058 | PASS | | |
| | | | | 0 | -7.21 | -0.01014 | PASS | | |
| | | | | 10 | 4.61 | 0.00648 | PASS | | |
| | | | | 20 | 2.93 | 0.00412 | PASS | | |
| | | | | 30 | 1.96 | 0.00276 | PASS | | |
| | | | | 40 | -4.45 | -0.00626 | PASS | | |
| | | | | 50 | -1.8 | -0.00253 | PASS | | |
| | | LTE/TM2 | 5 | LCH | VN | -30 | 1.62 | 0.00229 | PASS |
| | | | | | | -20 | -3.43 | -0.00485 | PASS |
| | | | | | | -10 | 1.42 | 0.00201 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | | | | | |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|----------|-------|----------|----------|----------|----------|------|
| | | | | | 0 | 1.2 | 0.0017 | PASS | | | | | | |
| | | | | | 10 | -1.19 | -0.00168 | PASS | | | | | | |
| | | | | | 20 | -3.85 | -0.00545 | PASS | | | | | | |
| | | | | | 30 | -1.26 | -0.00178 | PASS | | | | | | |
| | | | | | 40 | -2.83 | -0.00401 | PASS | | | | | | |
| | | | | | 50 | -1.23 | -0.00174 | PASS | | | | | | |
| | | | MCH | VN | | | | -30 | 3.18 | 0.00448 | PASS | | | |
| | | | | | | | | -20 | -2.33 | -0.00328 | PASS | | | |
| | | | | | | | | -10 | -2.88 | -0.00406 | PASS | | | |
| | | | | | | | | 0 | -2.37 | -0.00334 | PASS | | | |
| | | | | | | | | 10 | -0.8 | -0.00113 | PASS | | | |
| | | | | | | | | 20 | 0.51 | 0.00072 | PASS | | | |
| | | | | | | | | 30 | -5.25 | -0.00739 | PASS | | | |
| | | | | | | | | 40 | -1.9 | -0.00268 | PASS | | | |
| | | | 50 | -2.33 | | -0.00328 | PASS | | | | | | | |
| | | | HCH | VN | | | | | -30 | -7.7 | -0.01079 | PASS | | |
| | | | | | | | | | -20 | 0.29 | 0.00041 | PASS | | |
| | | | | | | | | | -10 | -2.19 | -0.00307 | PASS | | |
| | | | | | | | | | 0 | -4.32 | -0.00605 | PASS | | |
| | | | | | | | | | 10 | 0.69 | 0.00097 | PASS | | |
| | | | | | | | | | 20 | -4.99 | -0.00699 | PASS | | |
| | | 30 | | | | | | | -2.62 | -0.00367 | PASS | | | |
| | | 40 | | | | | | | -0.96 | -0.00135 | PASS | | | |
| | | 50 | -1.04 | -0.00146 | | | PASS | | | | | | | |
| | | 10 | | | | | LCH | VN | -30 | -4.78 | -0.00674 | PASS | | |
| | | | | | | | | | -20 | -4.46 | -0.00629 | PASS | | |
| | | | | | | | | | -10 | 0.19 | 0.00027 | PASS | | |
| | | | | | 0 | | | | 0.79 | 0.00111 | PASS | | | |
| | | | | | 10 | | | | 0.19 | 0.00027 | PASS | | | |
| | | | | | 20 | | | | -6.27 | -0.00884 | PASS | | | |
| | | | | | 30 | | | | 1.24 | 0.00175 | PASS | | | |
| | | | | | 40 | | | | -0.09 | -0.00013 | PASS | | | |
| | | | | | 50 | | -1.87 | -0.00264 | PASS | | | | | |
| | | | | | MCH | | VN | | | | -30 | -3.36 | -0.00473 | PASS |
| | | | | | | | | | | | -20 | 0.1 | 0.00014 | PASS |
| | | | | | | | | | | | -10 | -2.15 | -0.00303 | PASS |
| | | | | | | 0 | | | | | -3.35 | -0.00472 | PASS | |
| | | | | | | 10 | | | | | -2.29 | -0.00323 | PASS | |
| | | | | | | 20 | | | | | -1.69 | -0.00238 | PASS | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp . | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-------------|------------------|-----------------------|---------|
| | | | | | 30 | 2.4 | 0.00338 | PASS |
| | | | | | 40 | -9.44 | -0.0133 | PASS |
| | | | | | 50 | -2.63 | -0.0037 | PASS |
| | | | HCH | VN | -30 | 4.23 | 0.00595 | PASS |
| | | | | | -20 | -5.62 | -0.0079 | PASS |
| | | | | | -10 | -8.1 | -0.01139 | PASS |
| | | | | | 0 | -5.14 | -0.00723 | PASS |
| | | | | | 10 | 2.56 | 0.0036 | PASS |
| | | | | | 20 | -6.81 | -0.00958 | PASS |
| | | | | | 30 | -9.03 | -0.0127 | PASS |
| | | | | | 40 | -2.5 | -0.00352 | PASS |
| | | | | | 50 | -1.69 | -0.00238 | PASS |

END