



5.1.1.2.3.1.3 Test RB = RB36#18





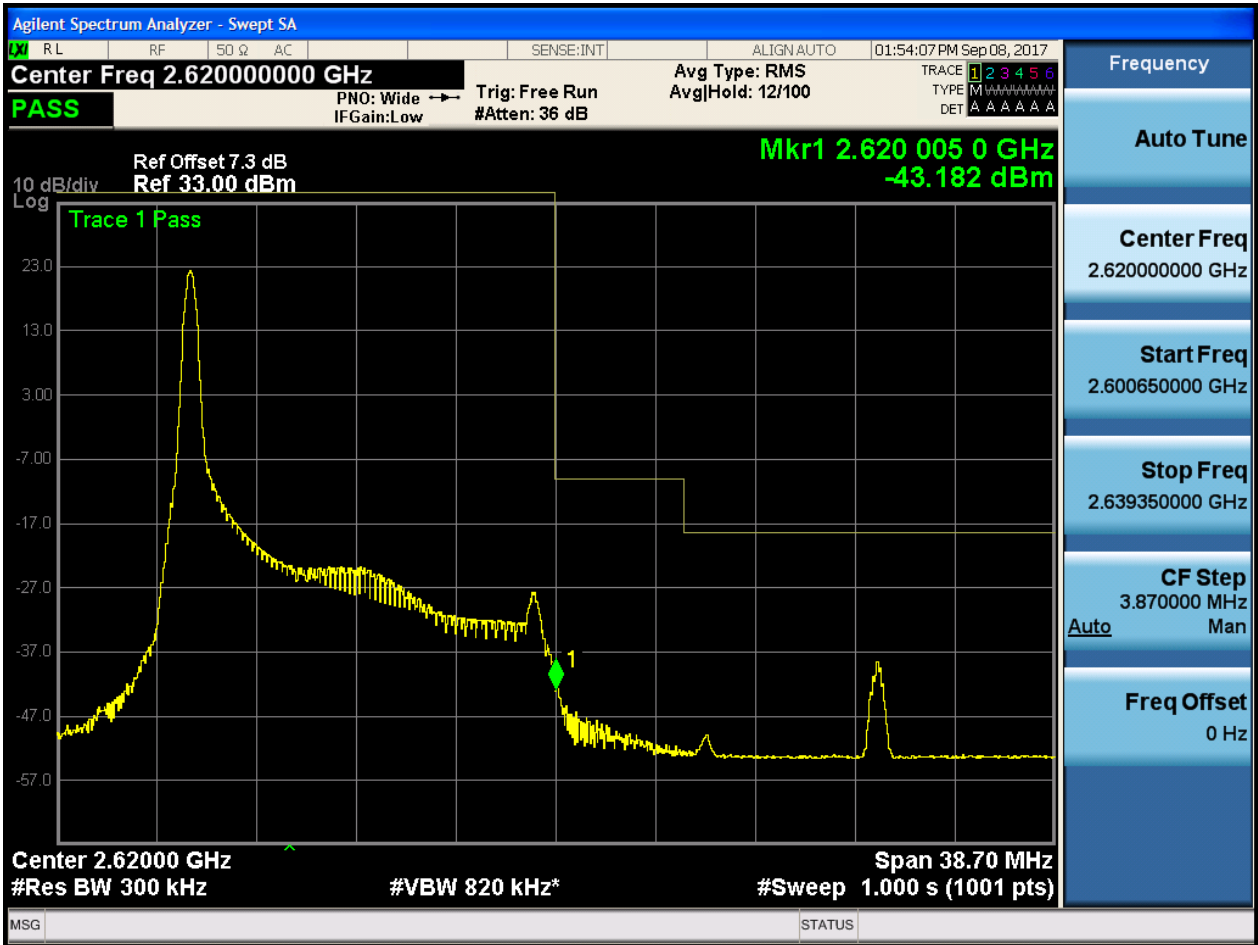
5.1.1.2.3.1.4 Test RB = RB75#0





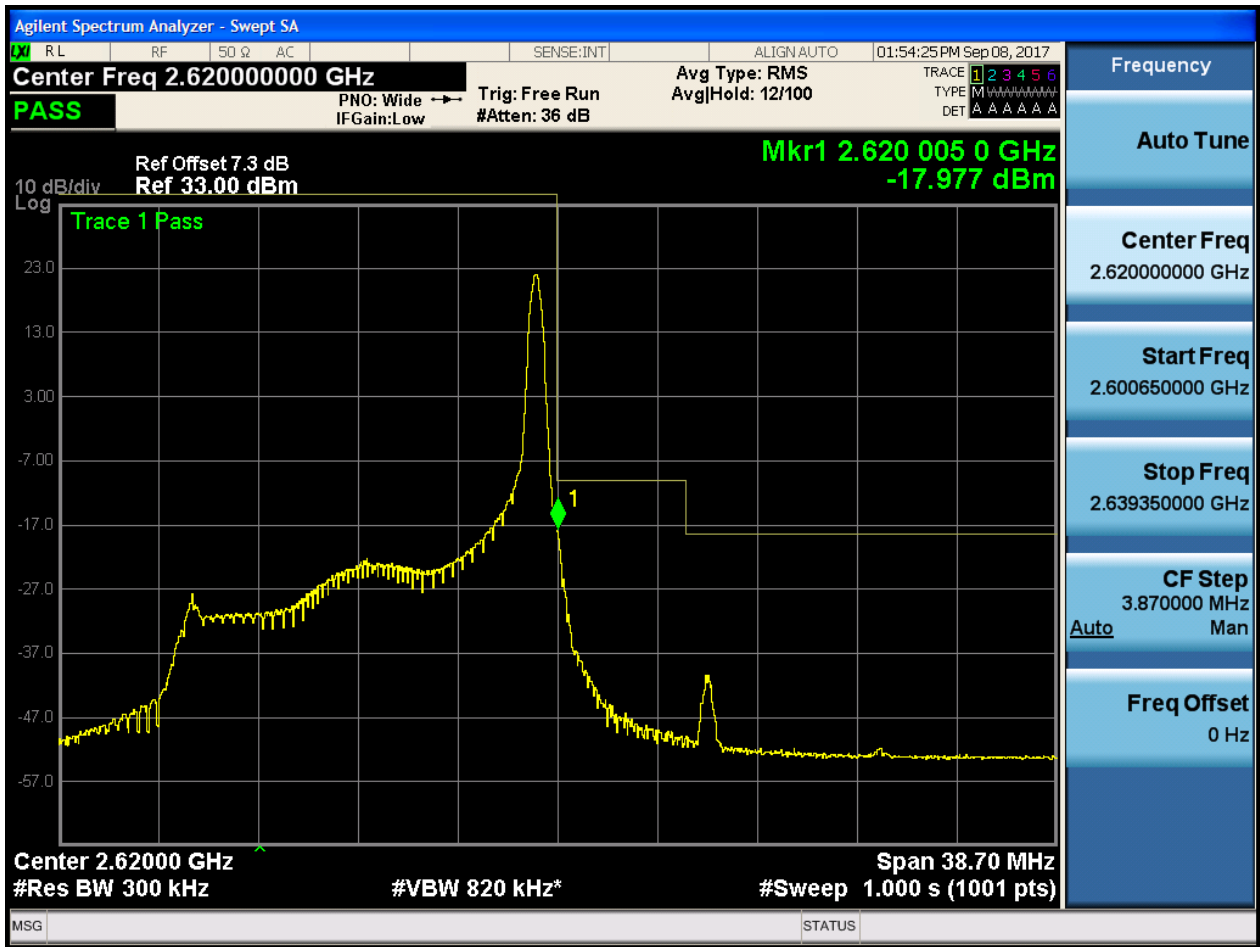
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0



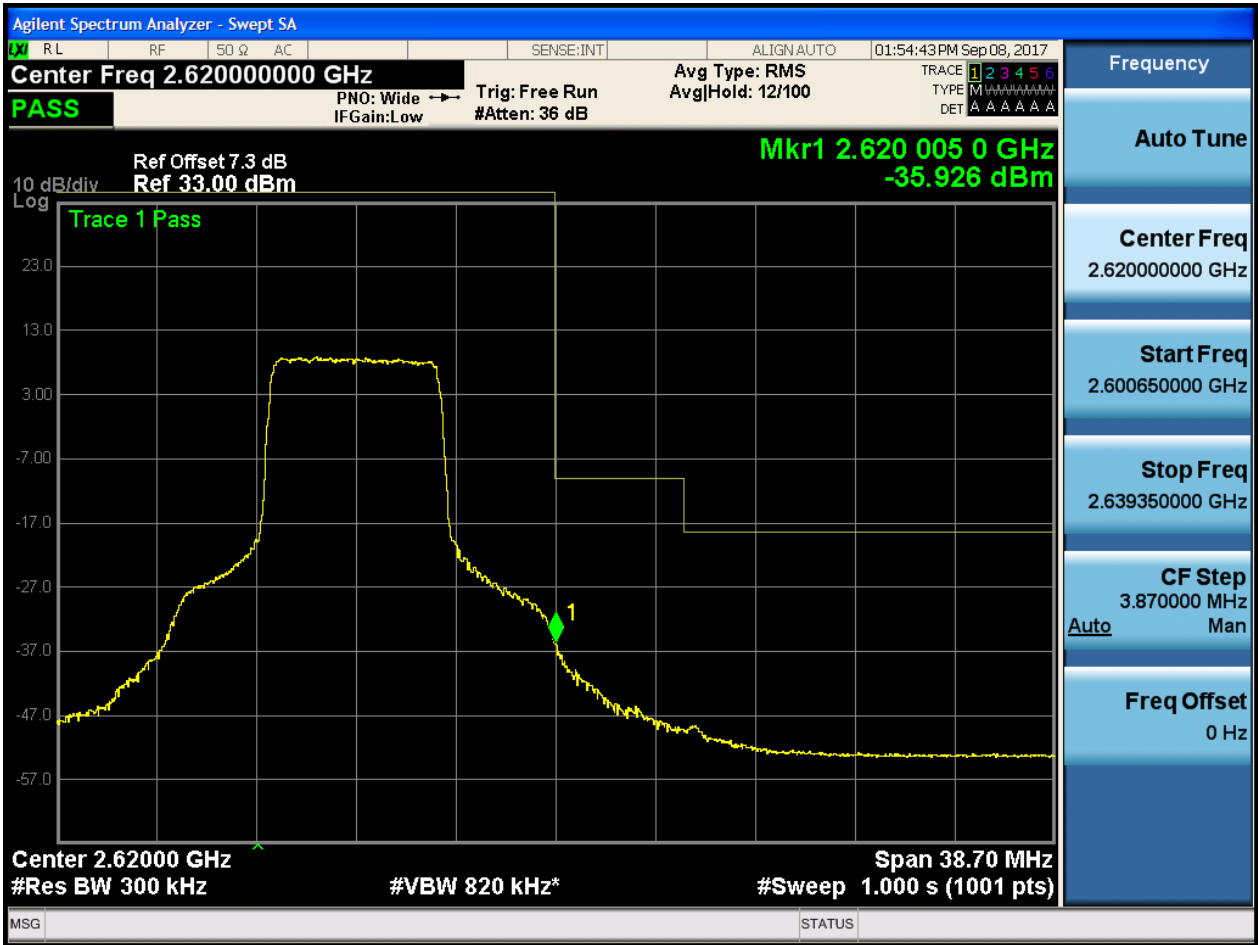


5.1.1.2.3.2.2 Test RB = RB1#74





5.1.1.2.3.2.3 Test RB = RB36#18





5.1.1.2.3.2.4 Test RB = RB75#0

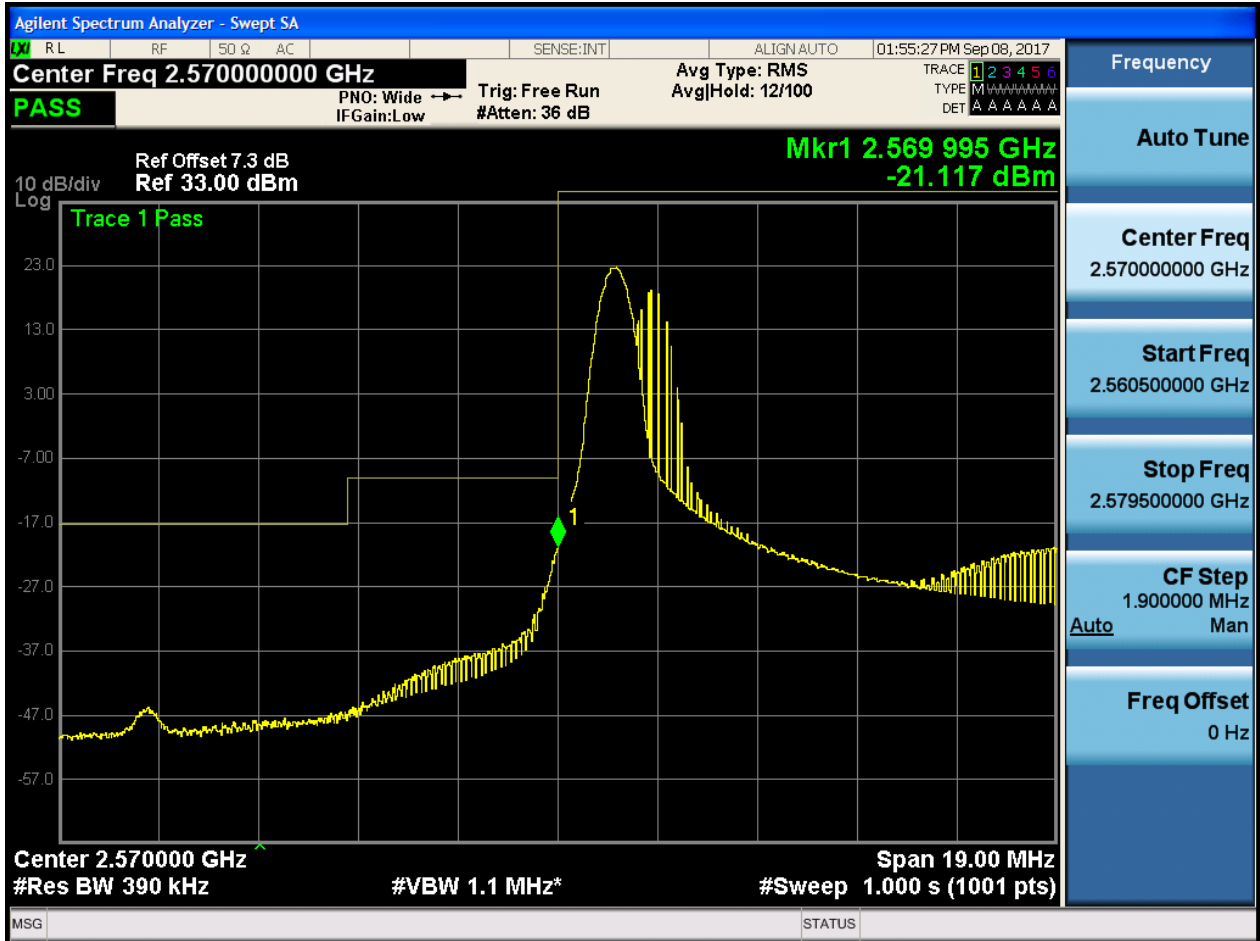




5.1.1.2.4 Test Bandwidth = 20

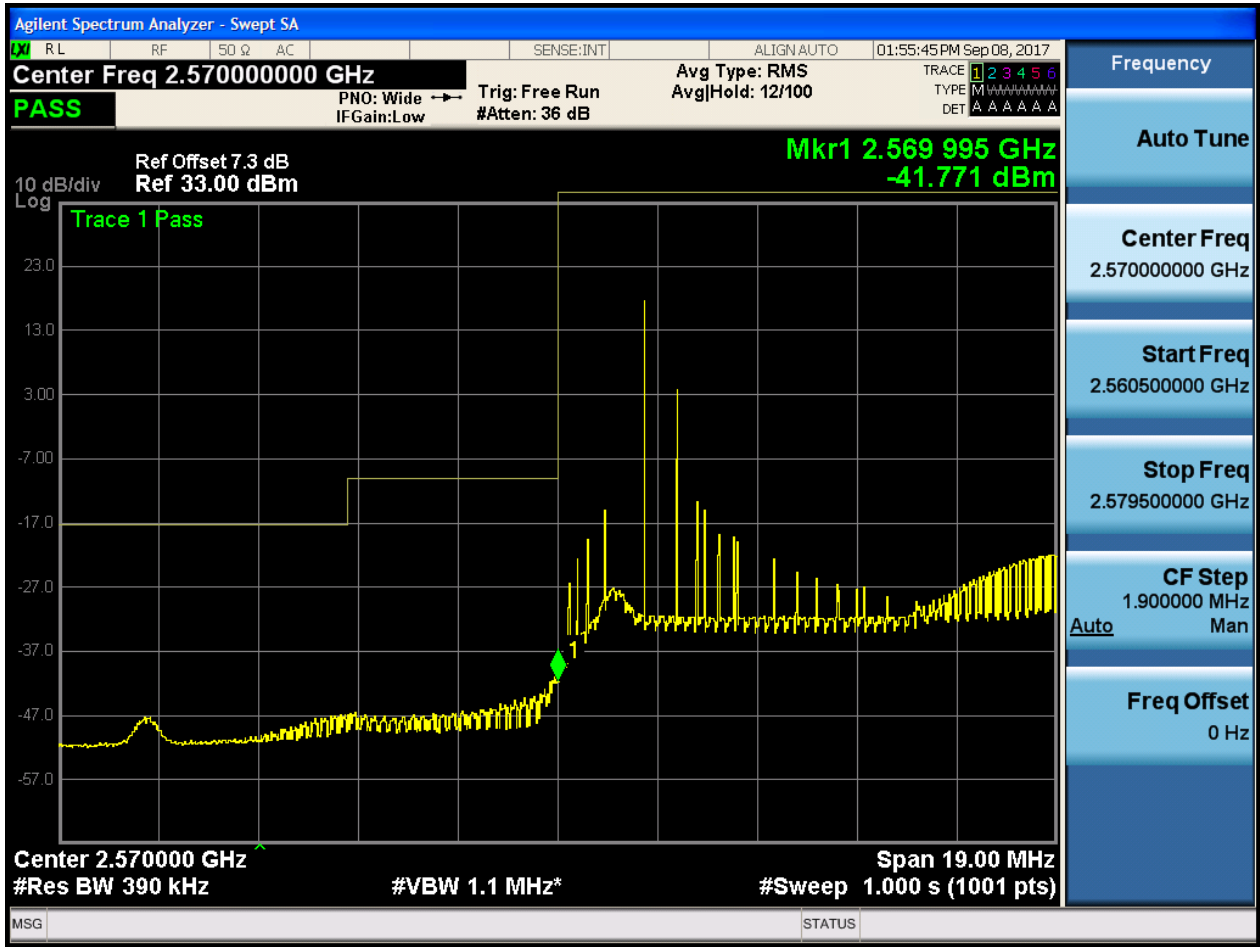
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0



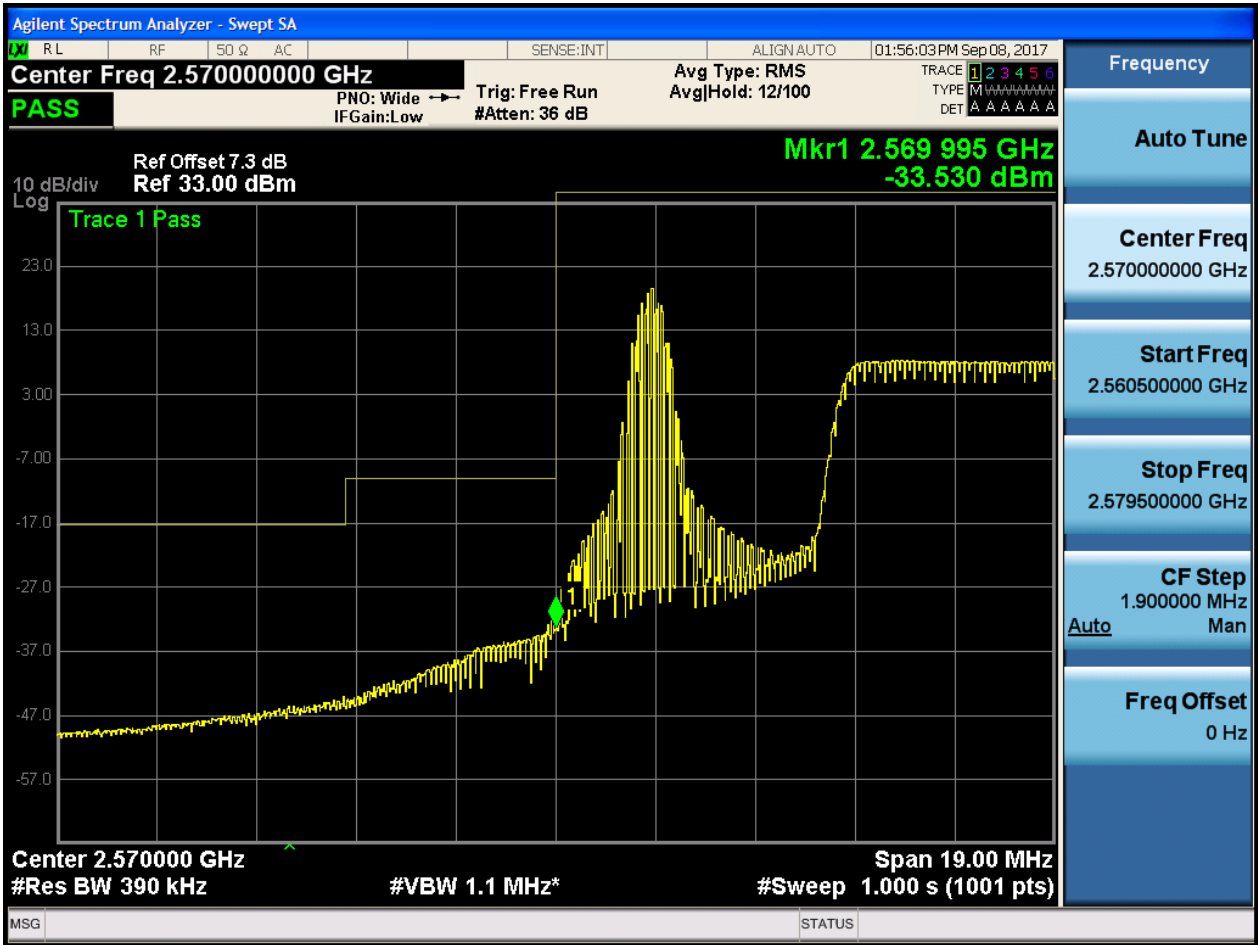


5.1.1.2.4.1.2 Test RB = RB1#99



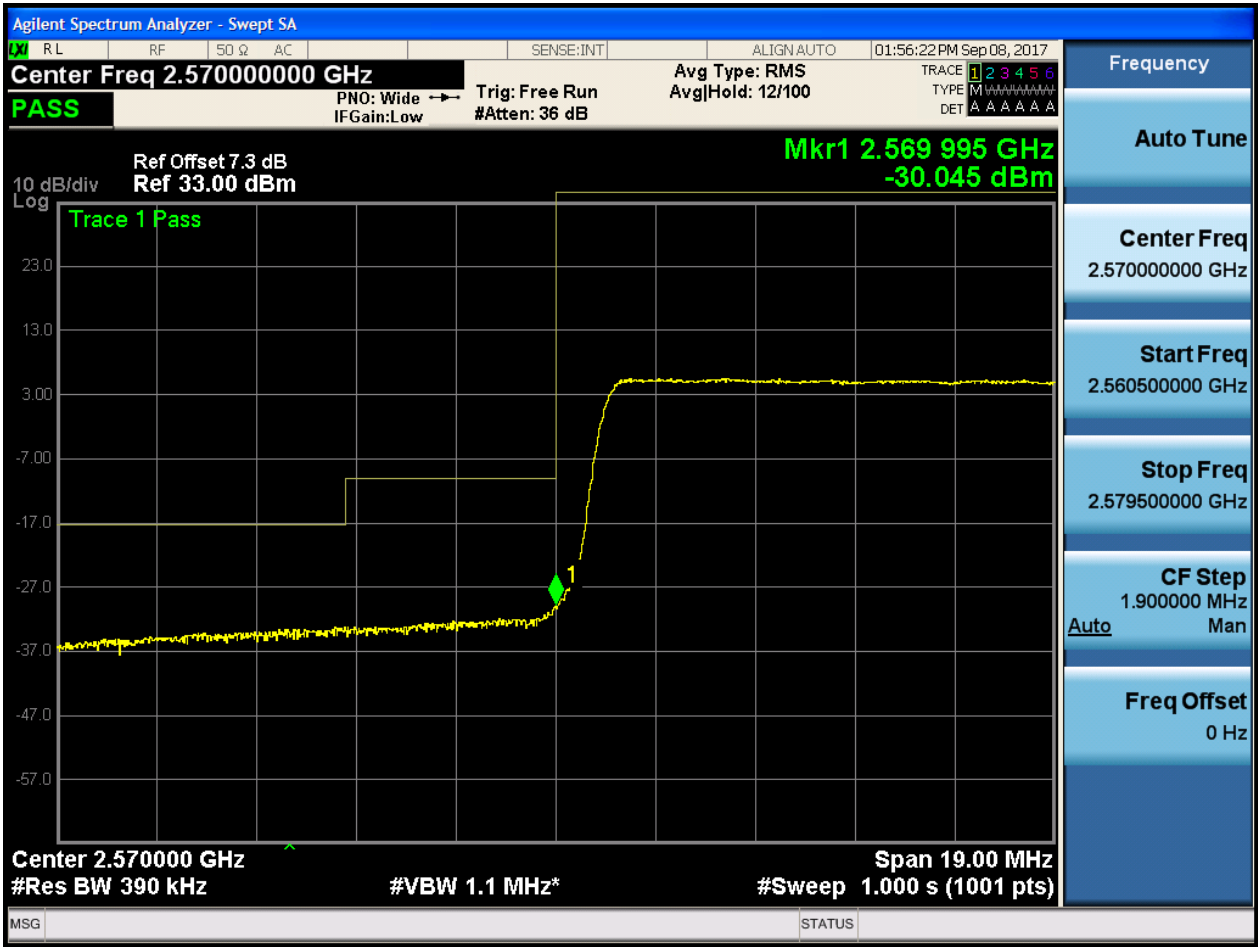


5.1.1.2.4.1.3 Test RB = RB50#25





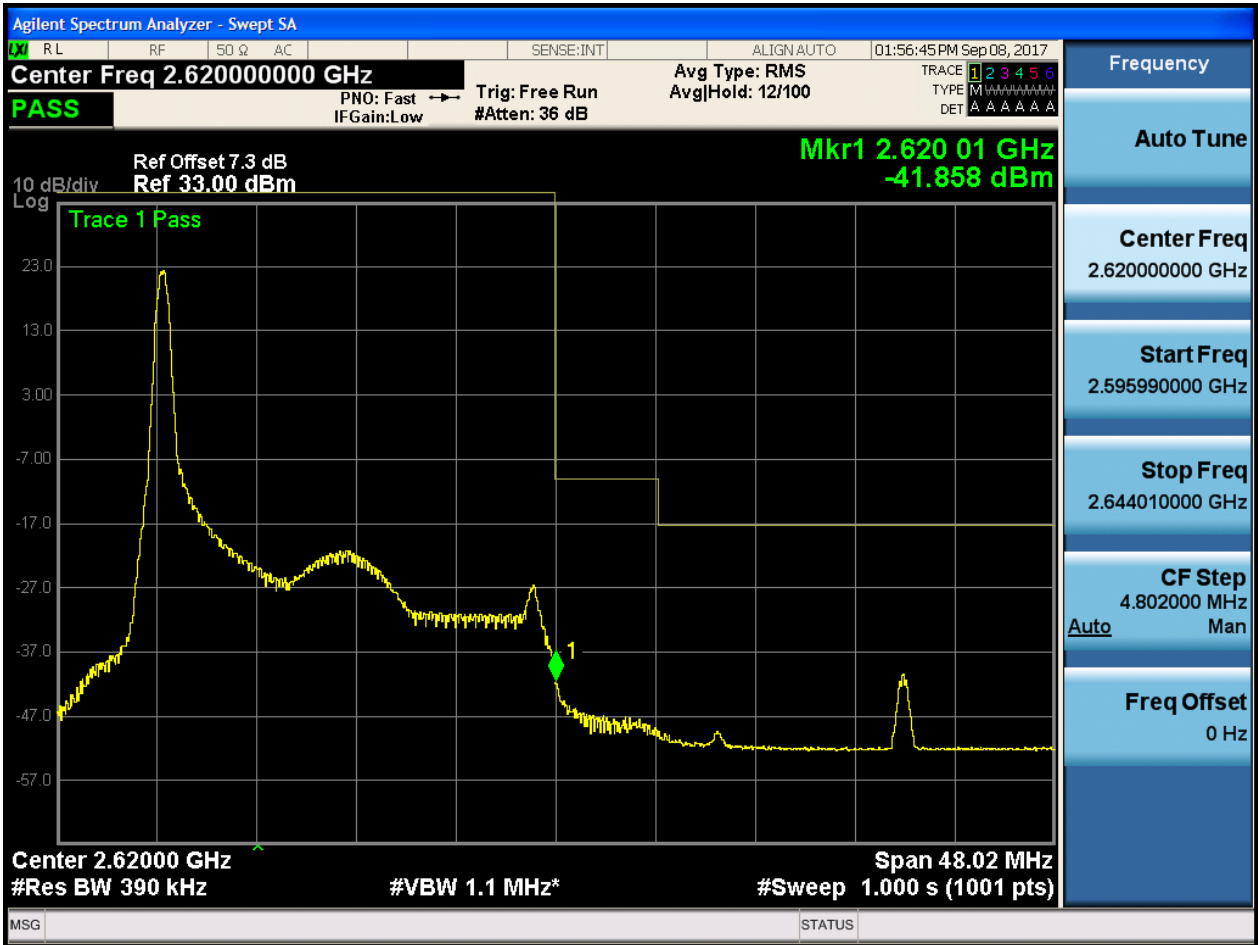
5.1.1.2.4.1.4 Test RB = RB100#0





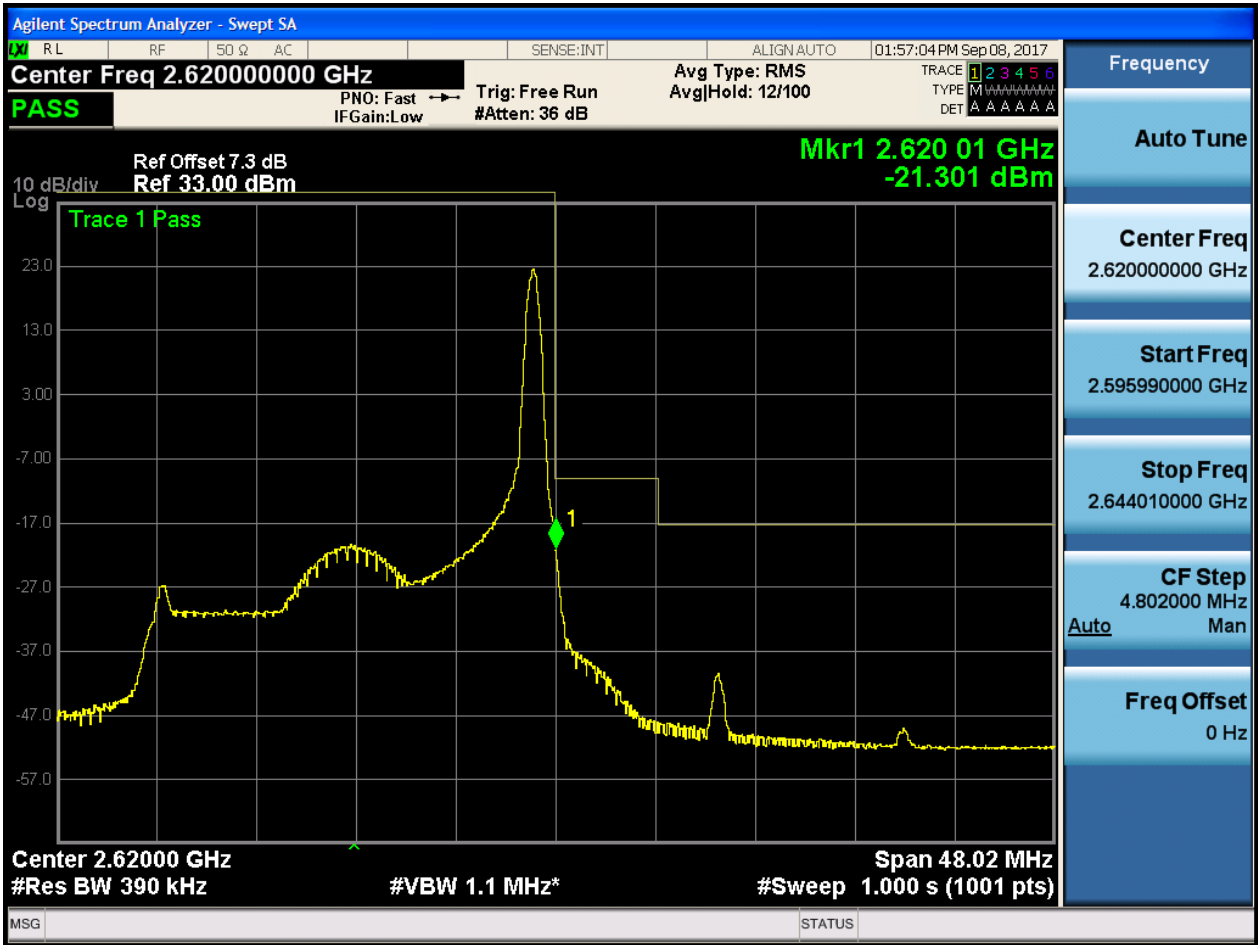
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0



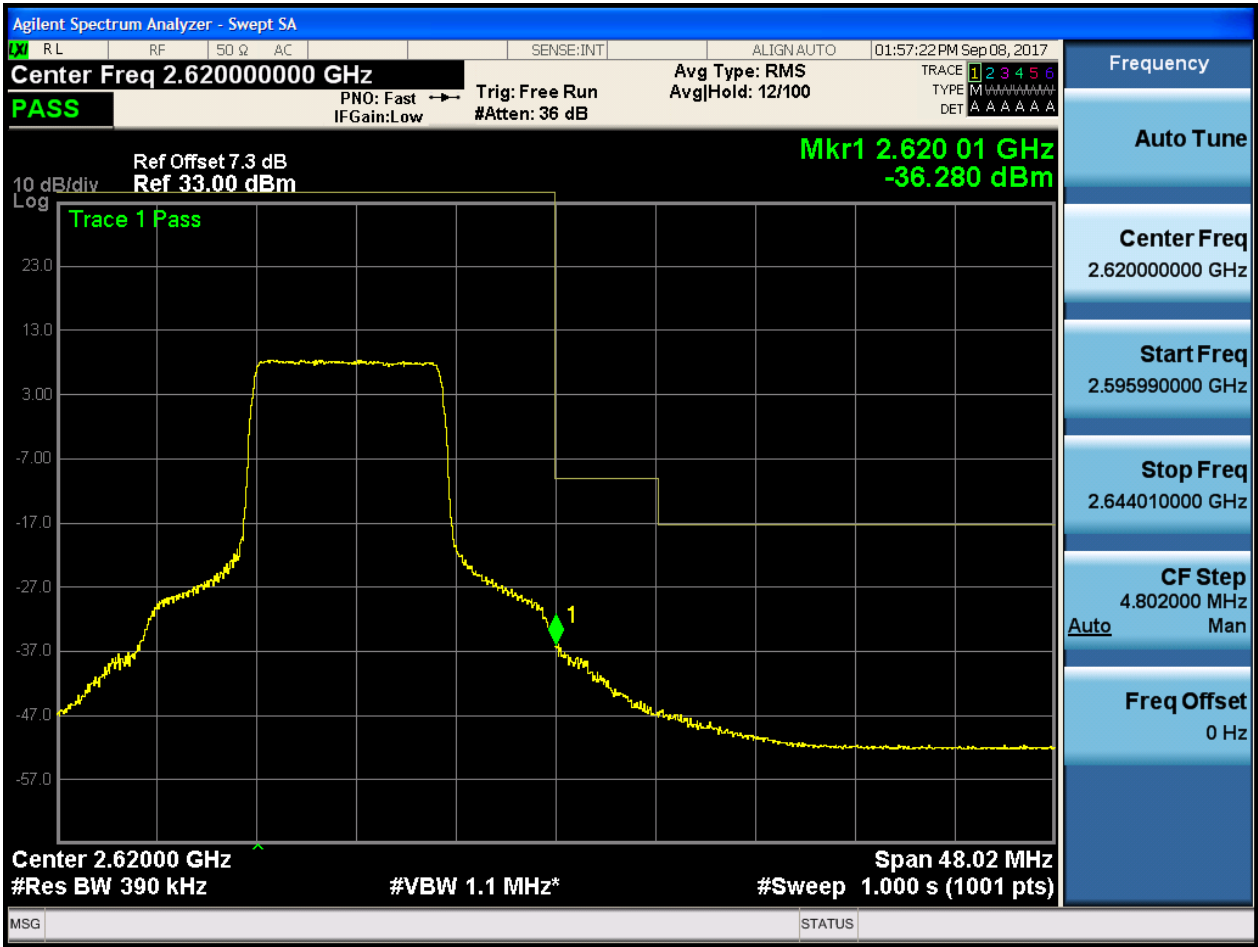


5.1.1.2.4.2.2 Test RB = RB1#99





5.1.1.2.4.2.3 Test RB = RB50#25





5.1.1.2.4.2.4 Test RB = RB100#0





6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

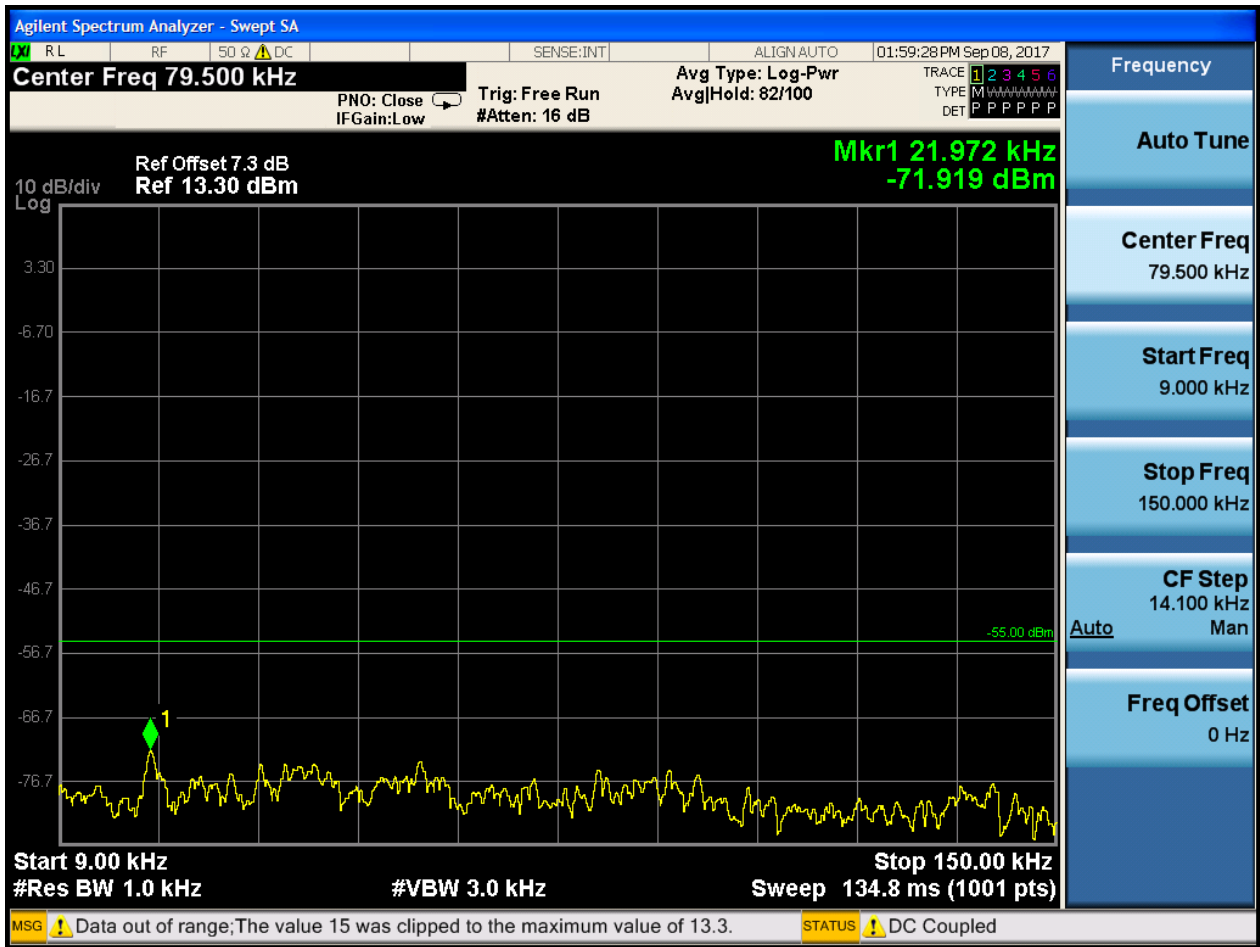
6.1.1 Test Band = BAND38

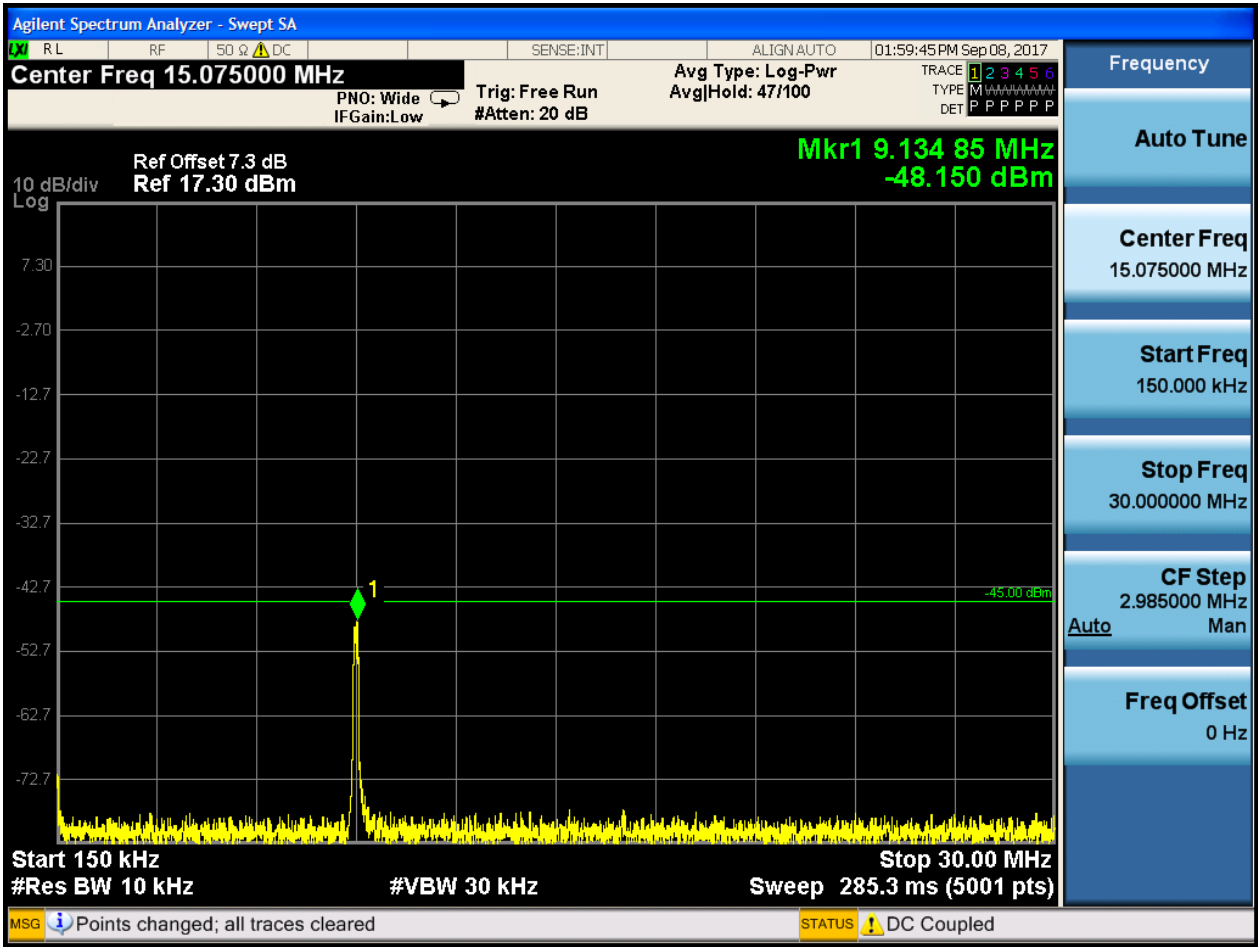
6.1.1.1 Test Mode = LTE/TM1

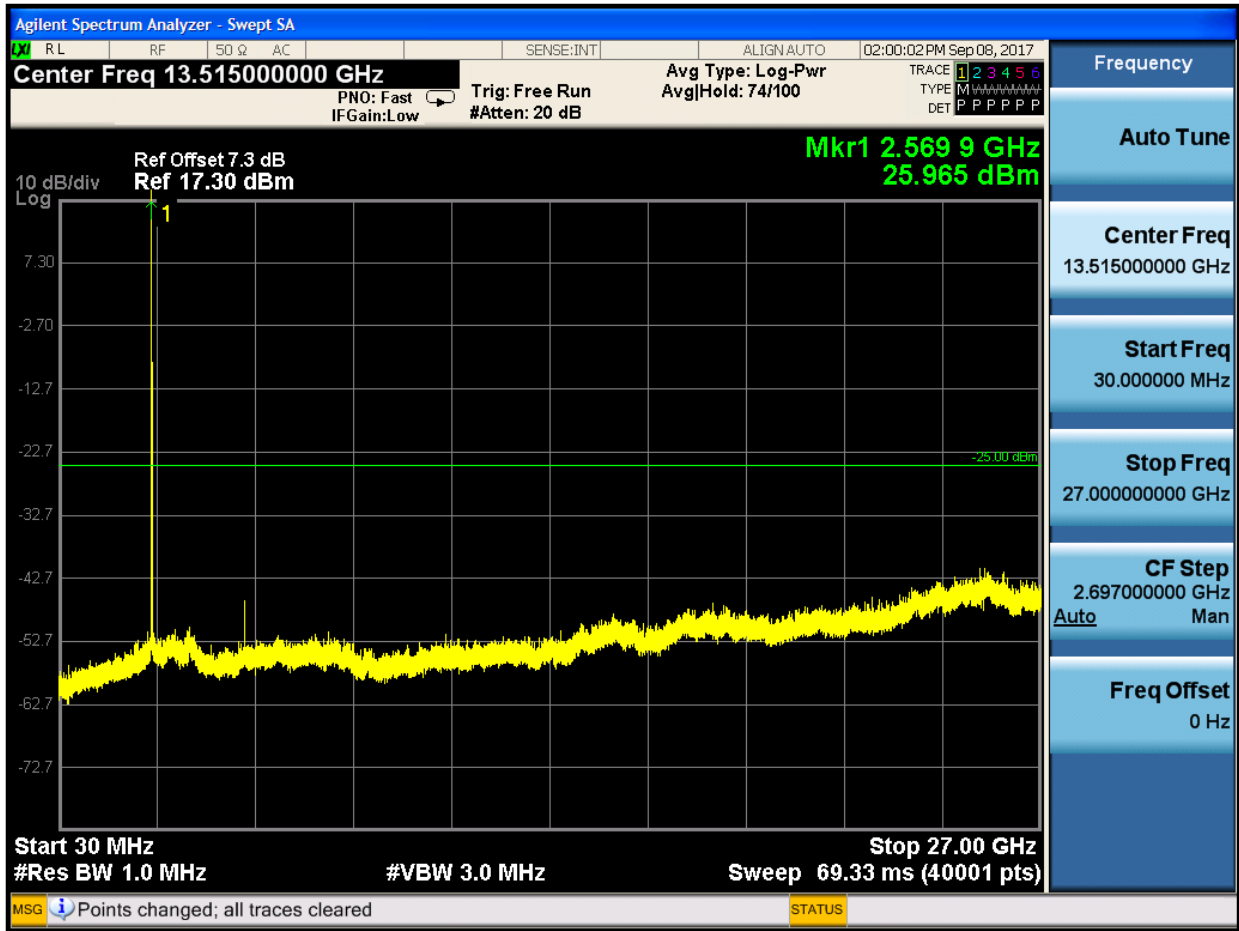
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



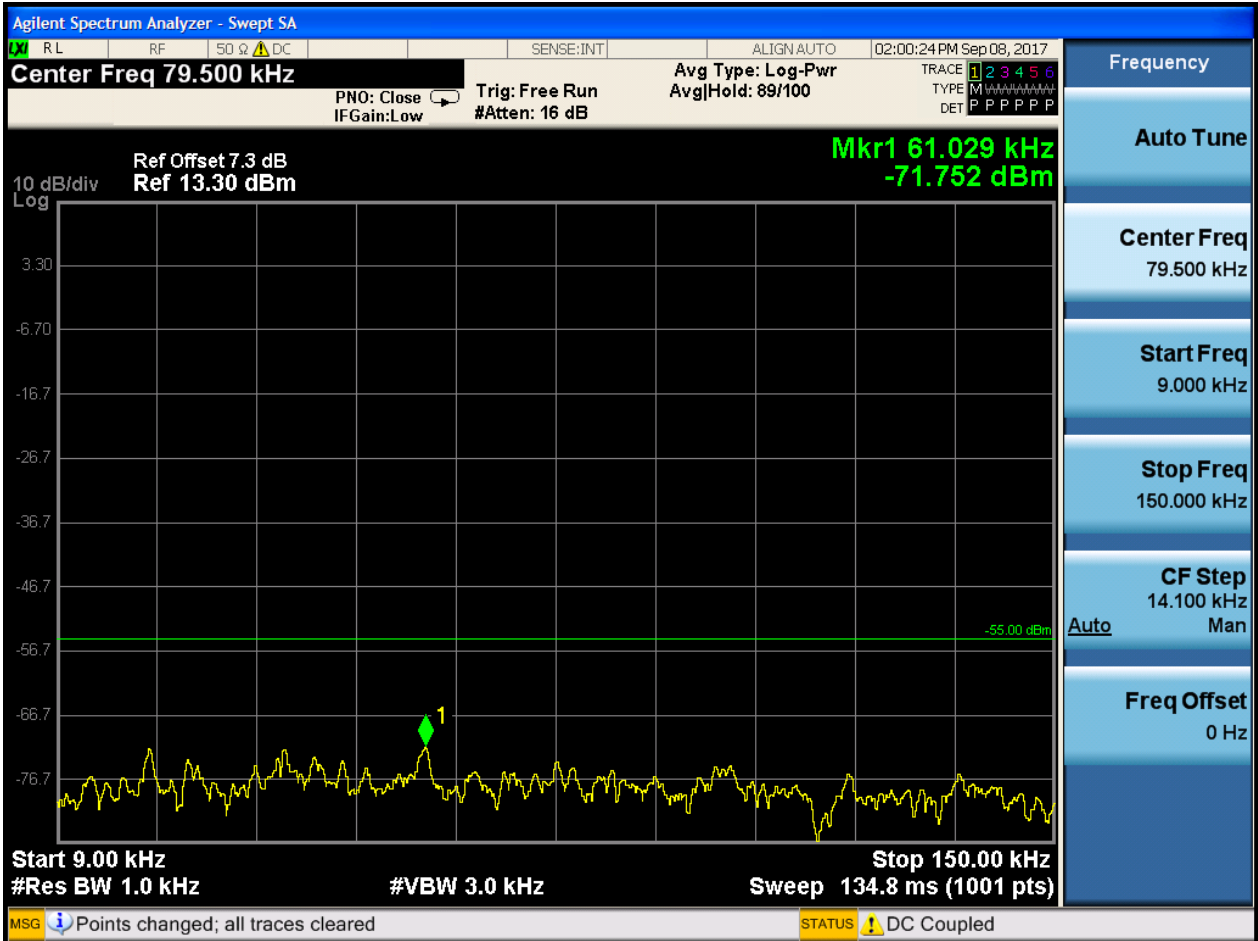


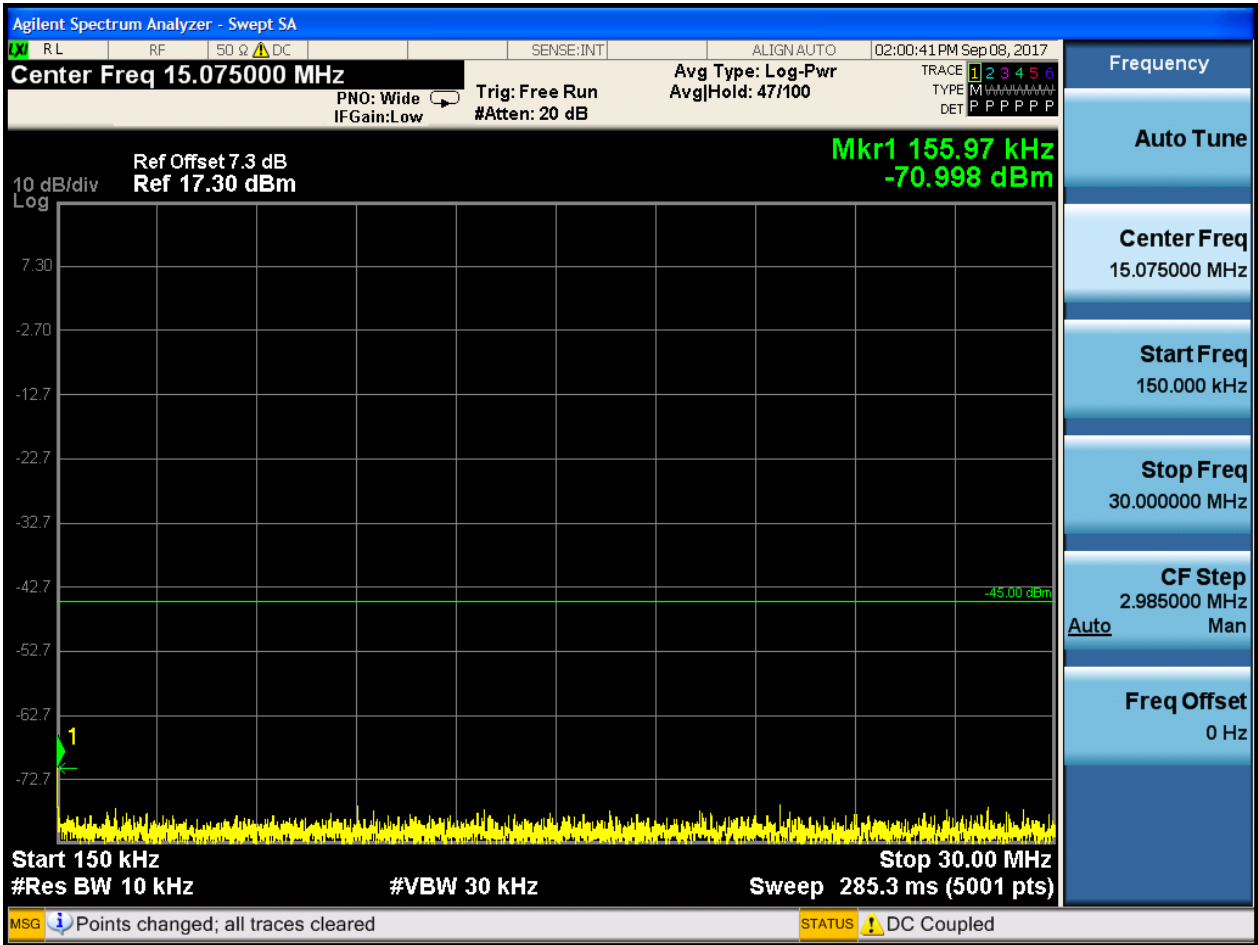


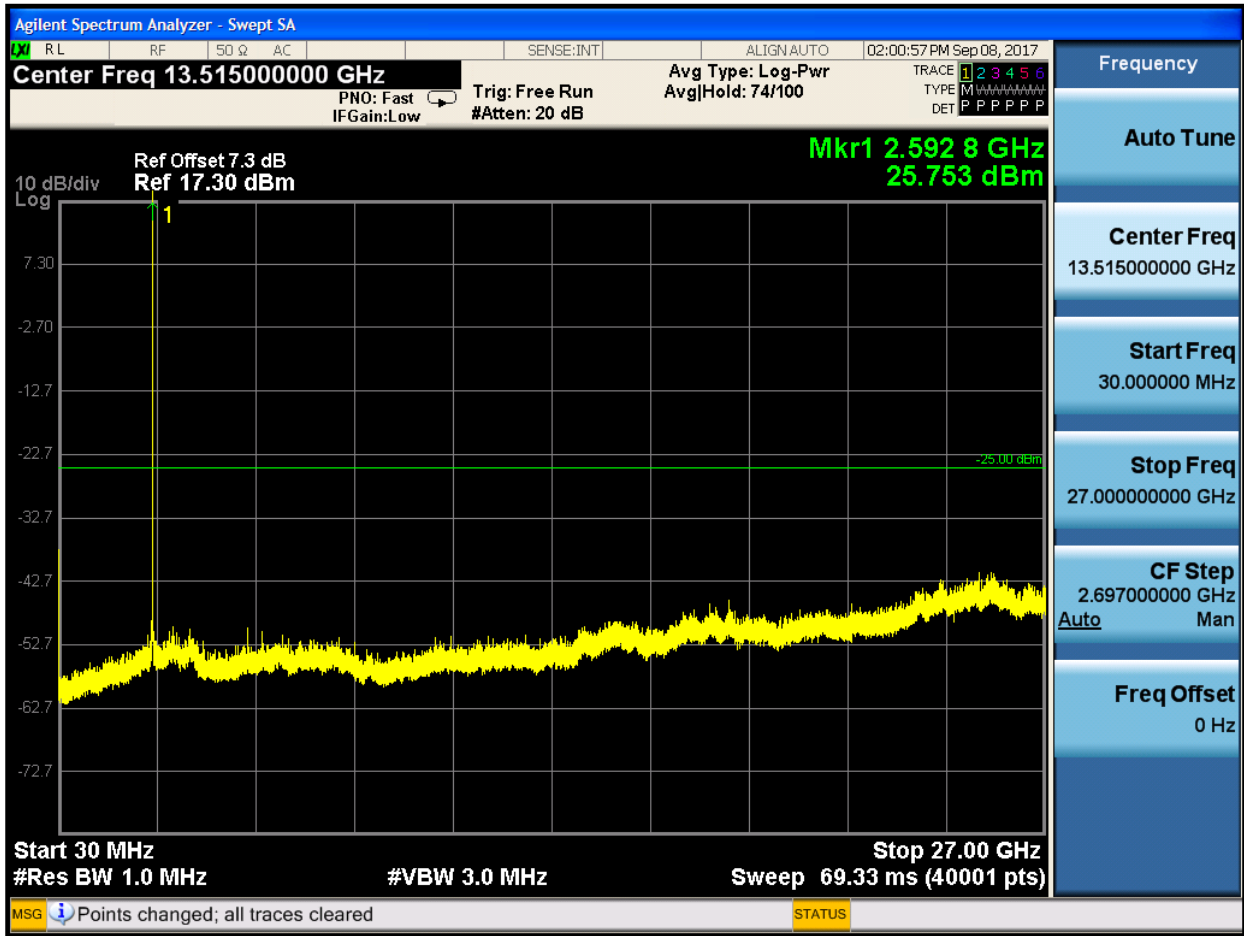


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



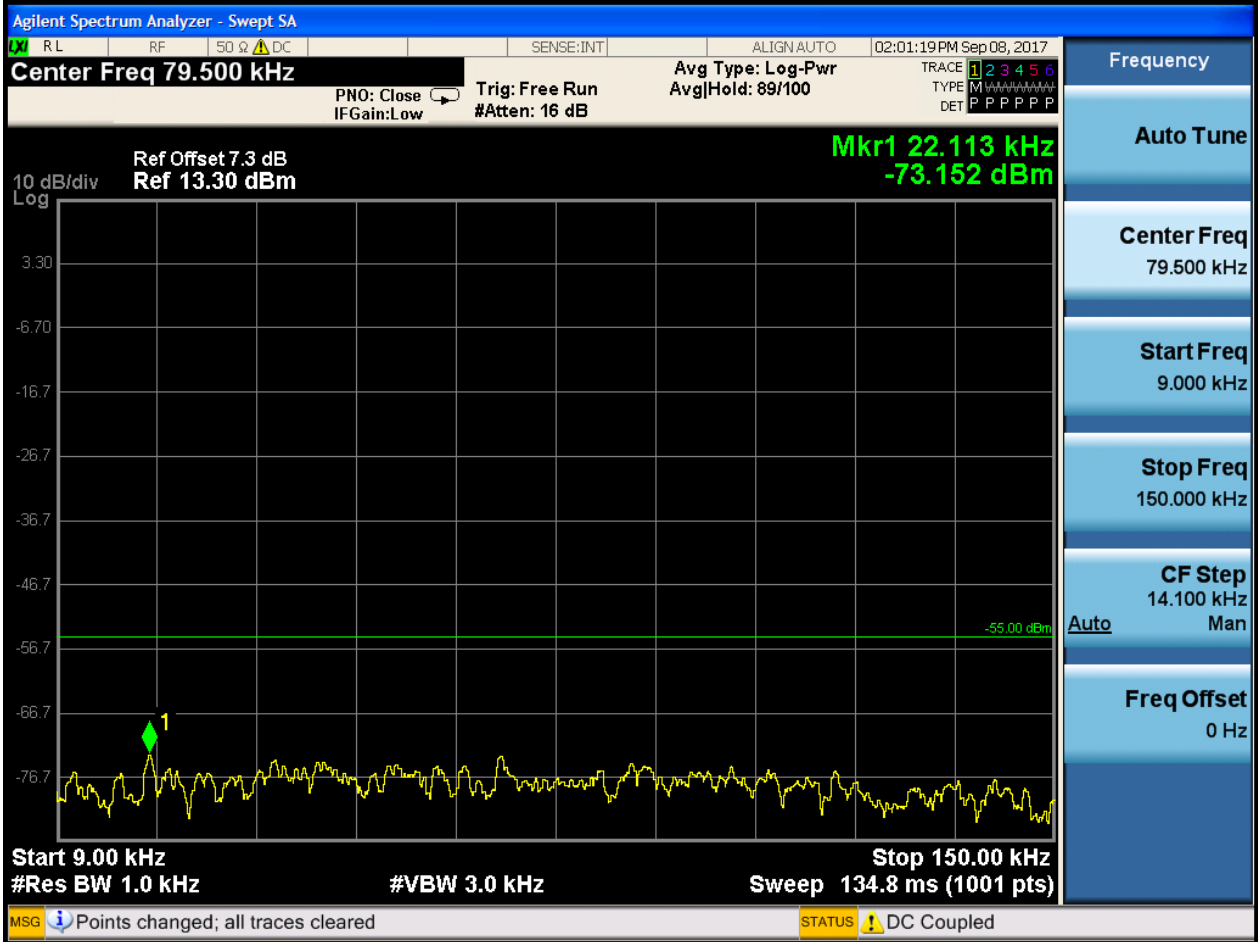


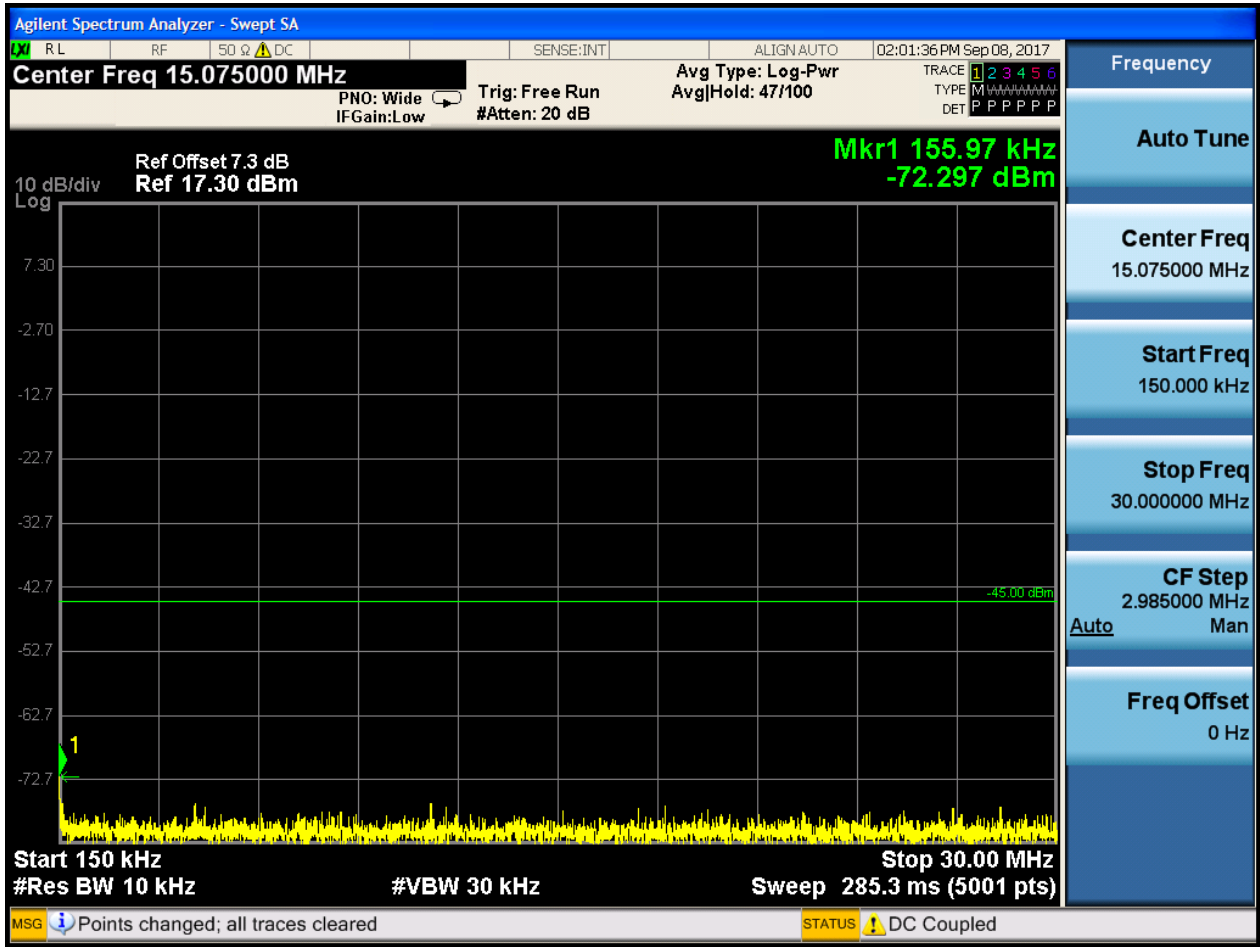


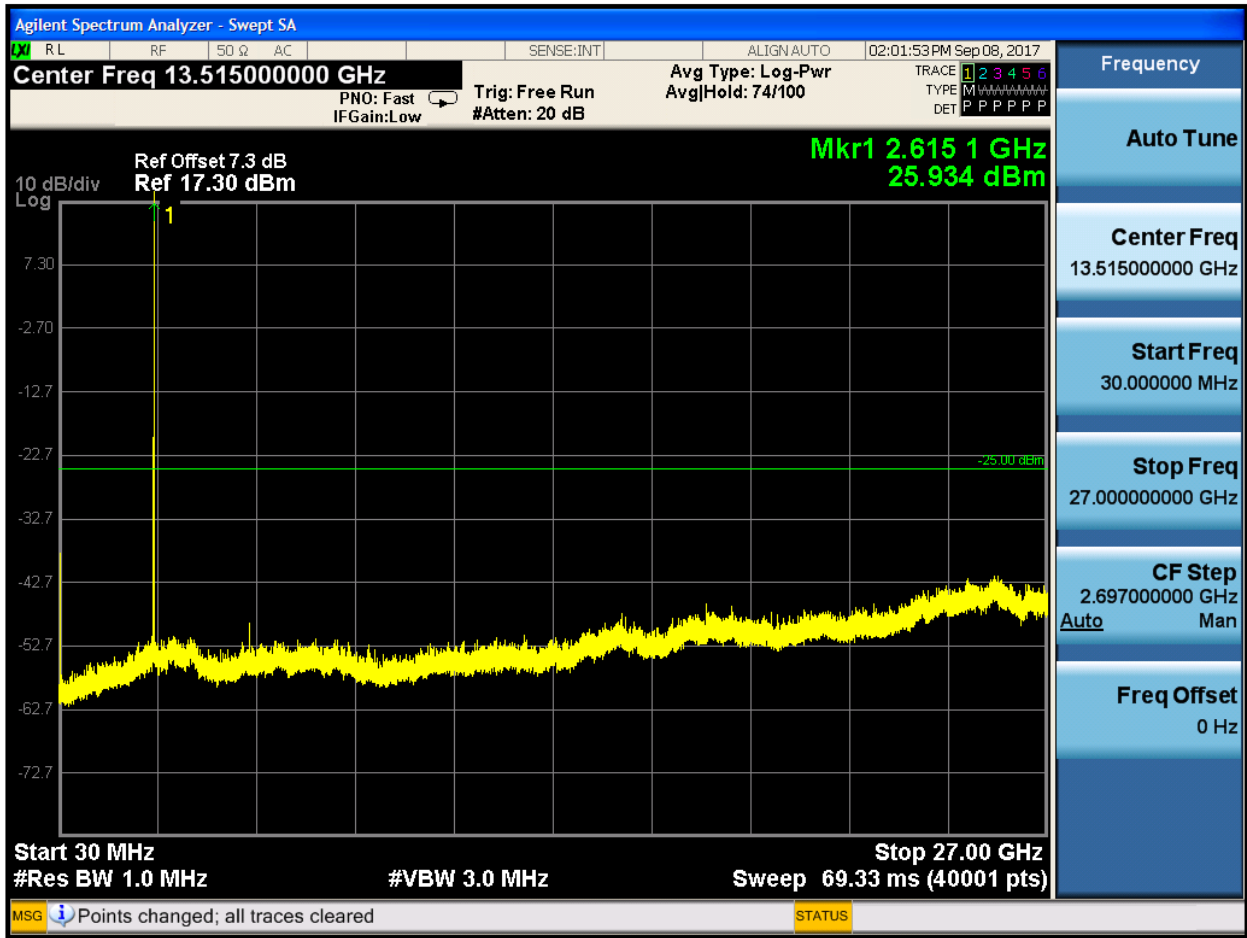


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





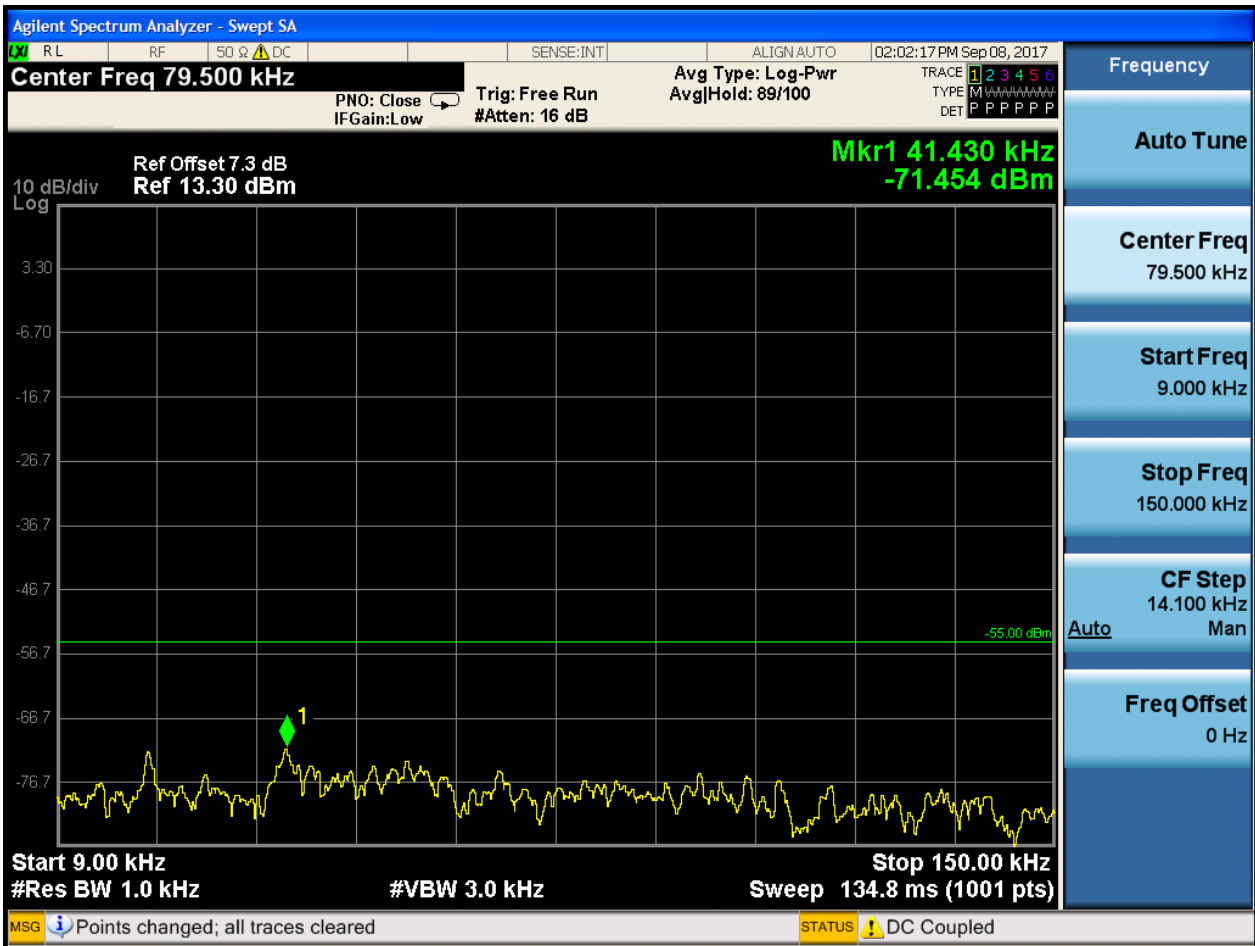


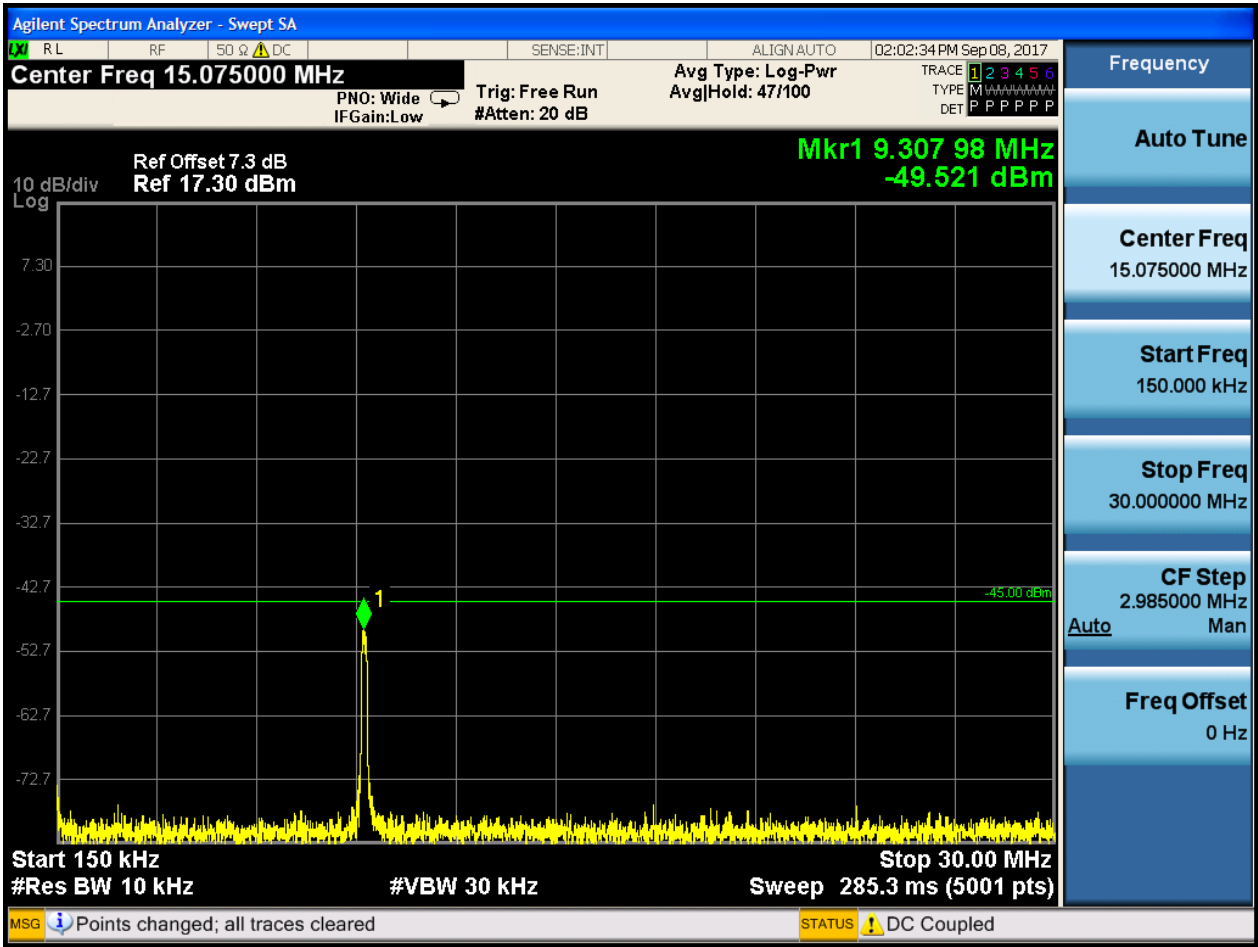


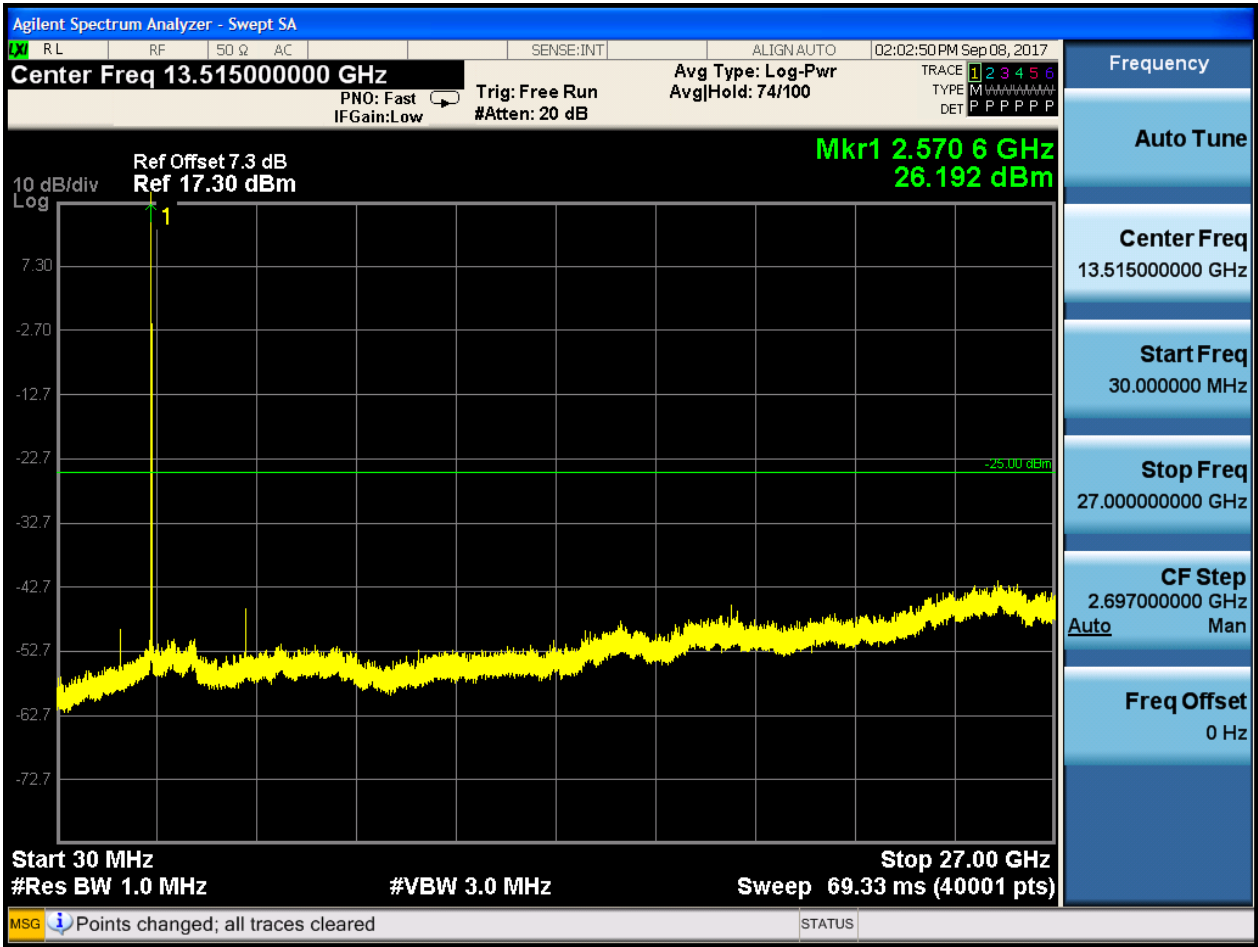
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



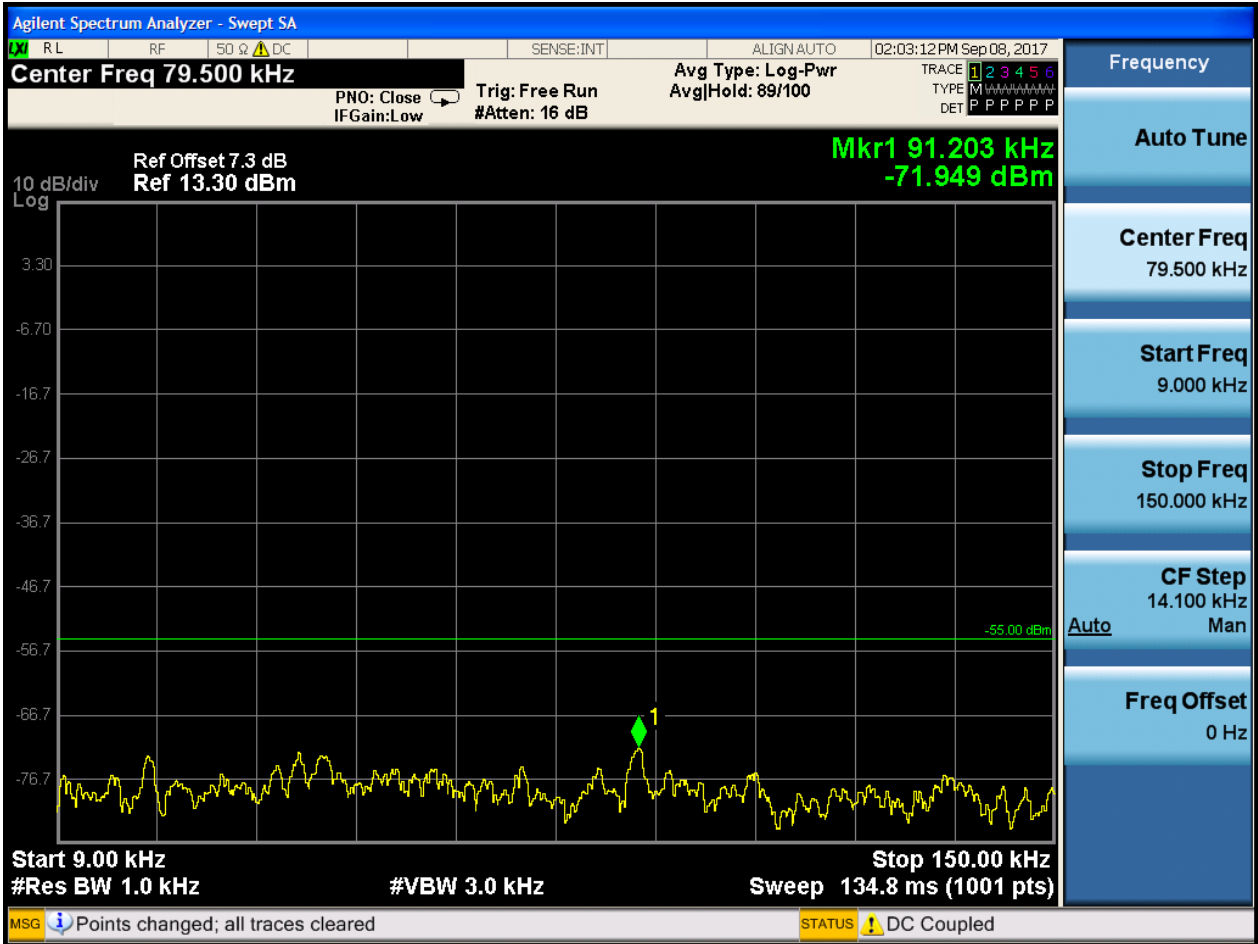


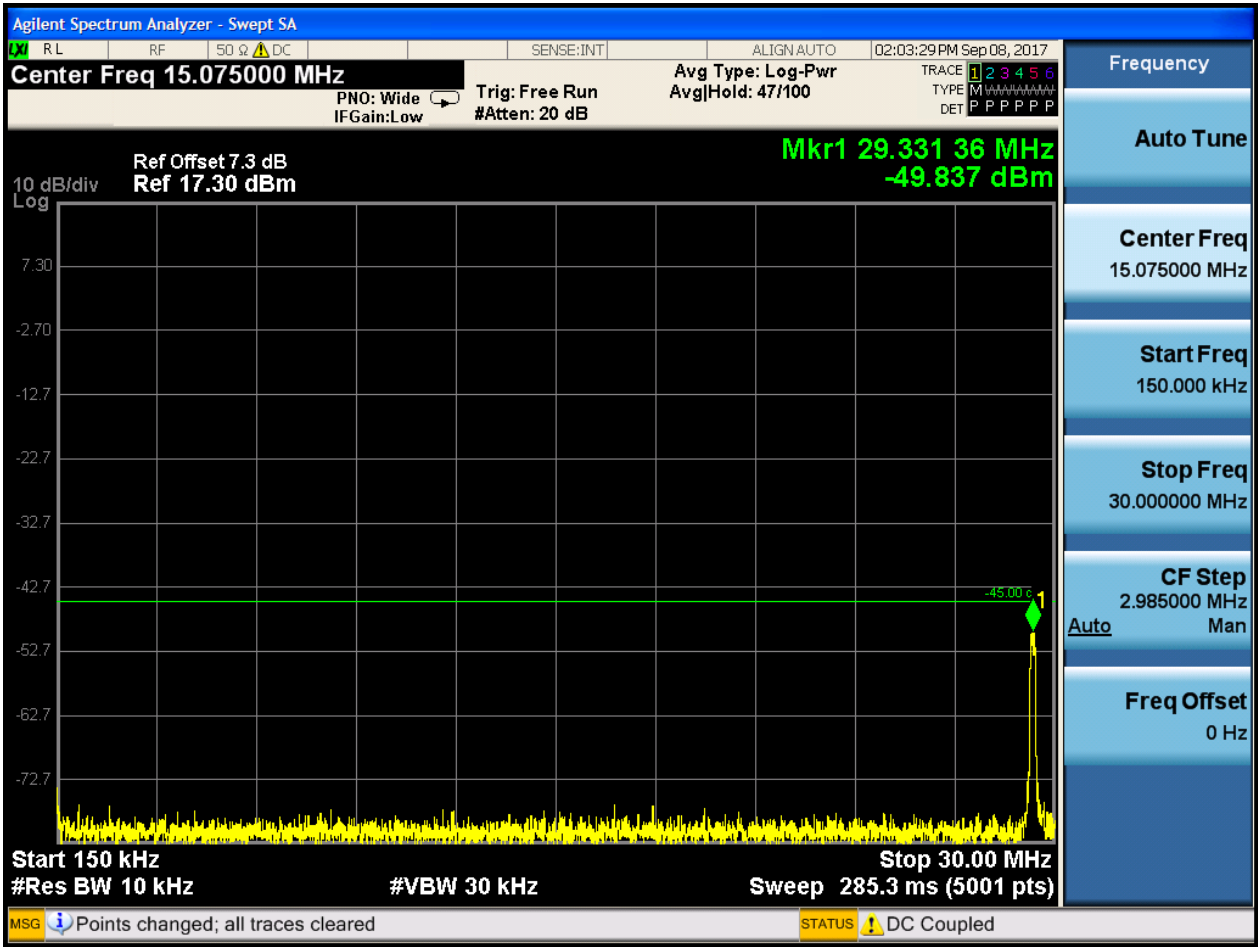


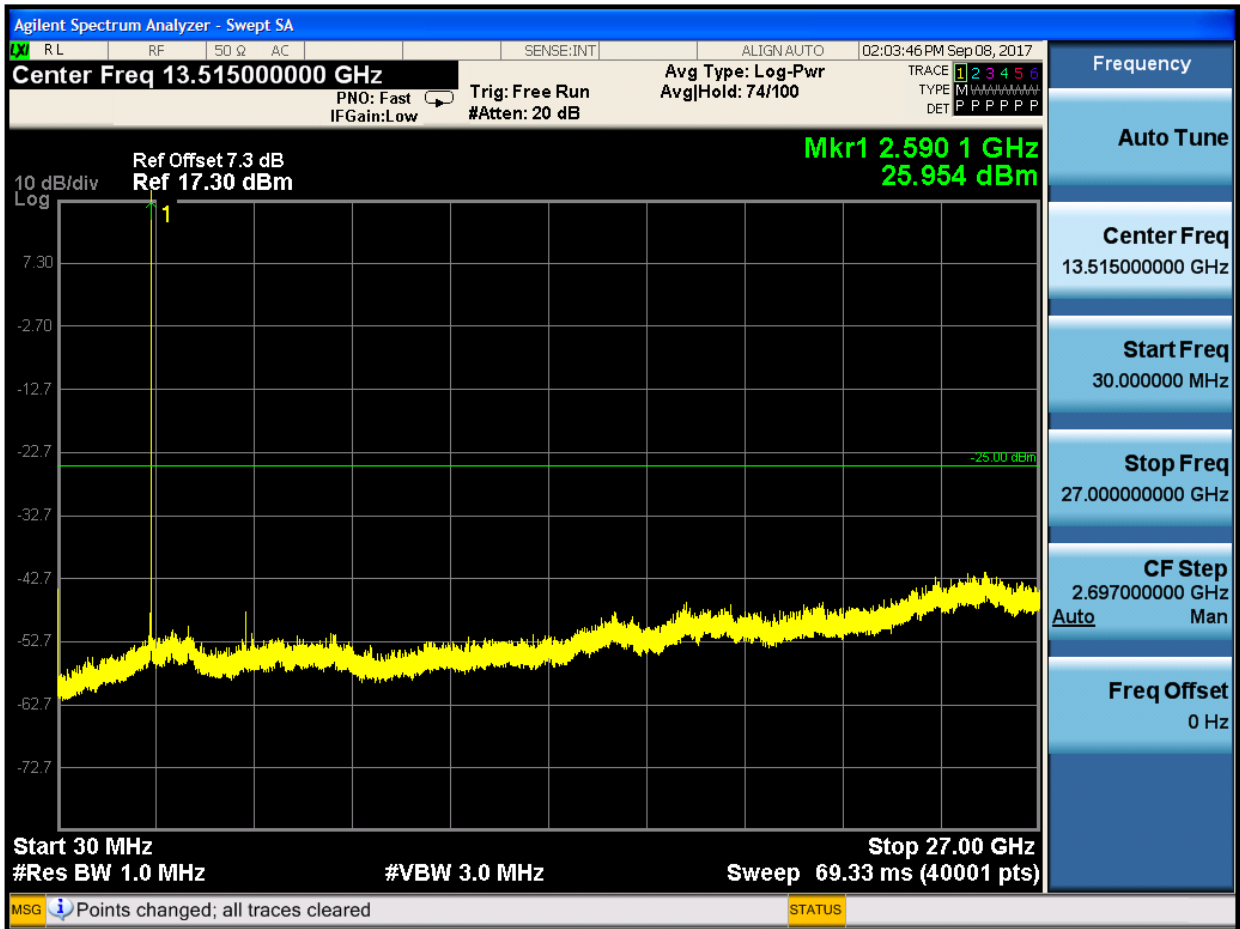


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



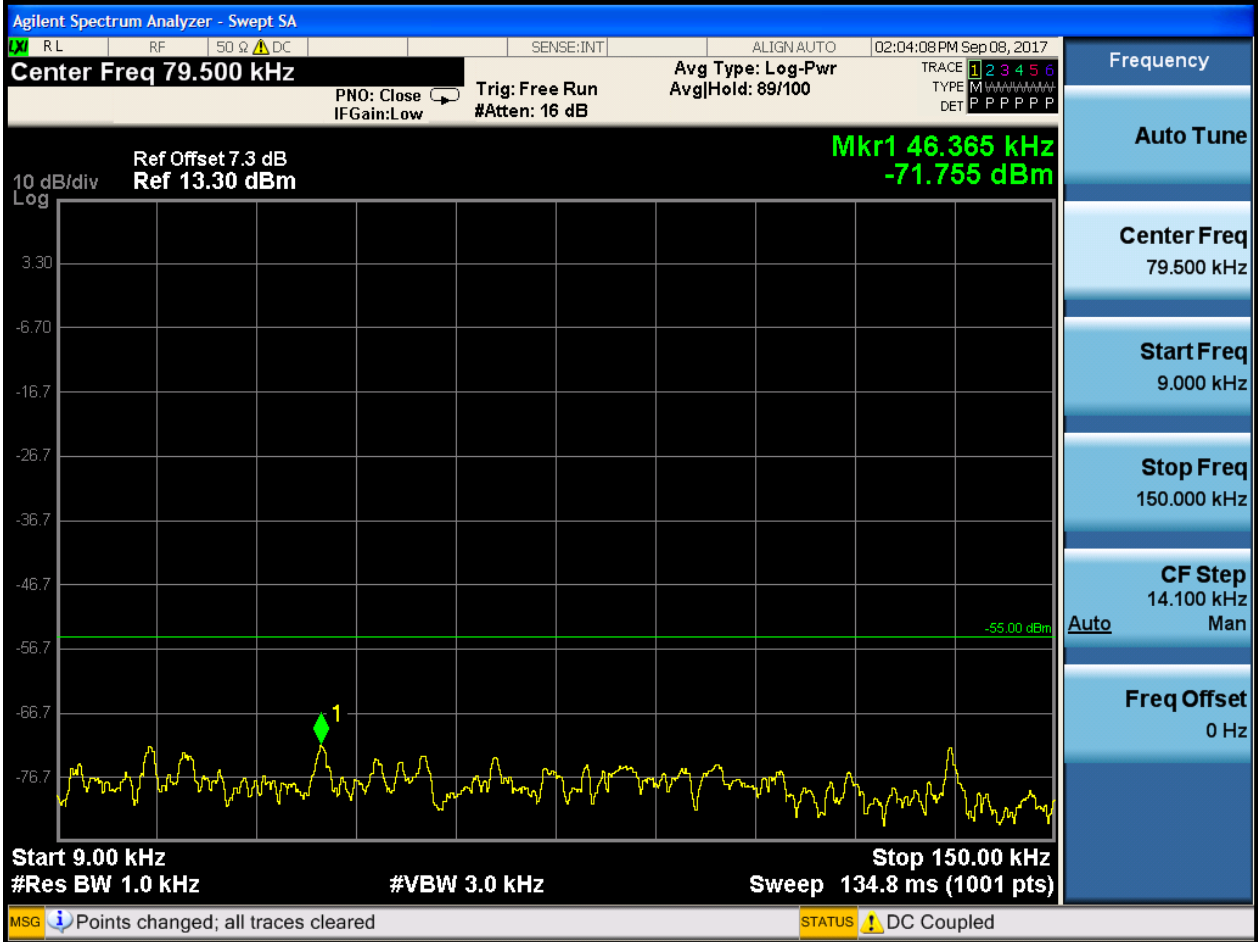


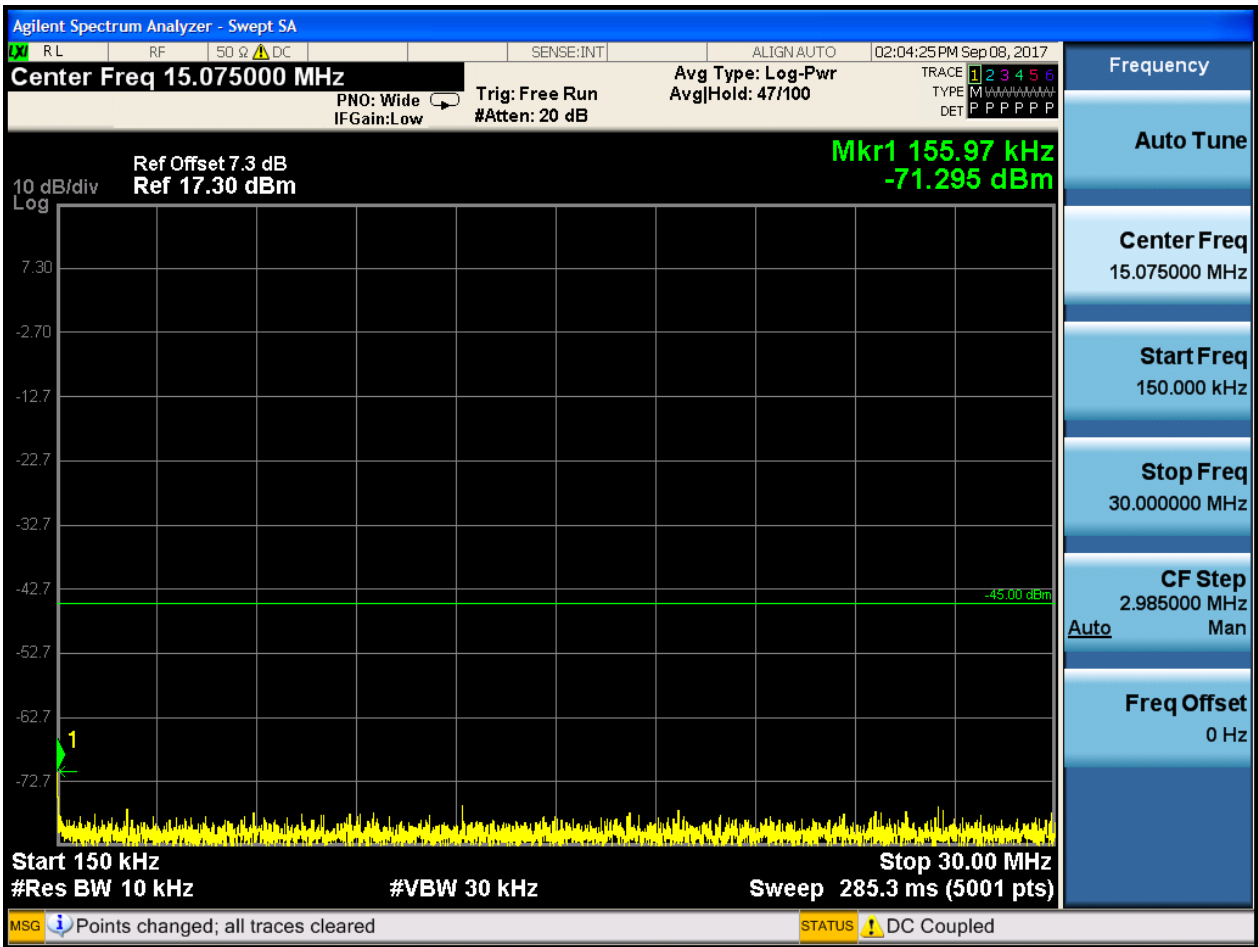


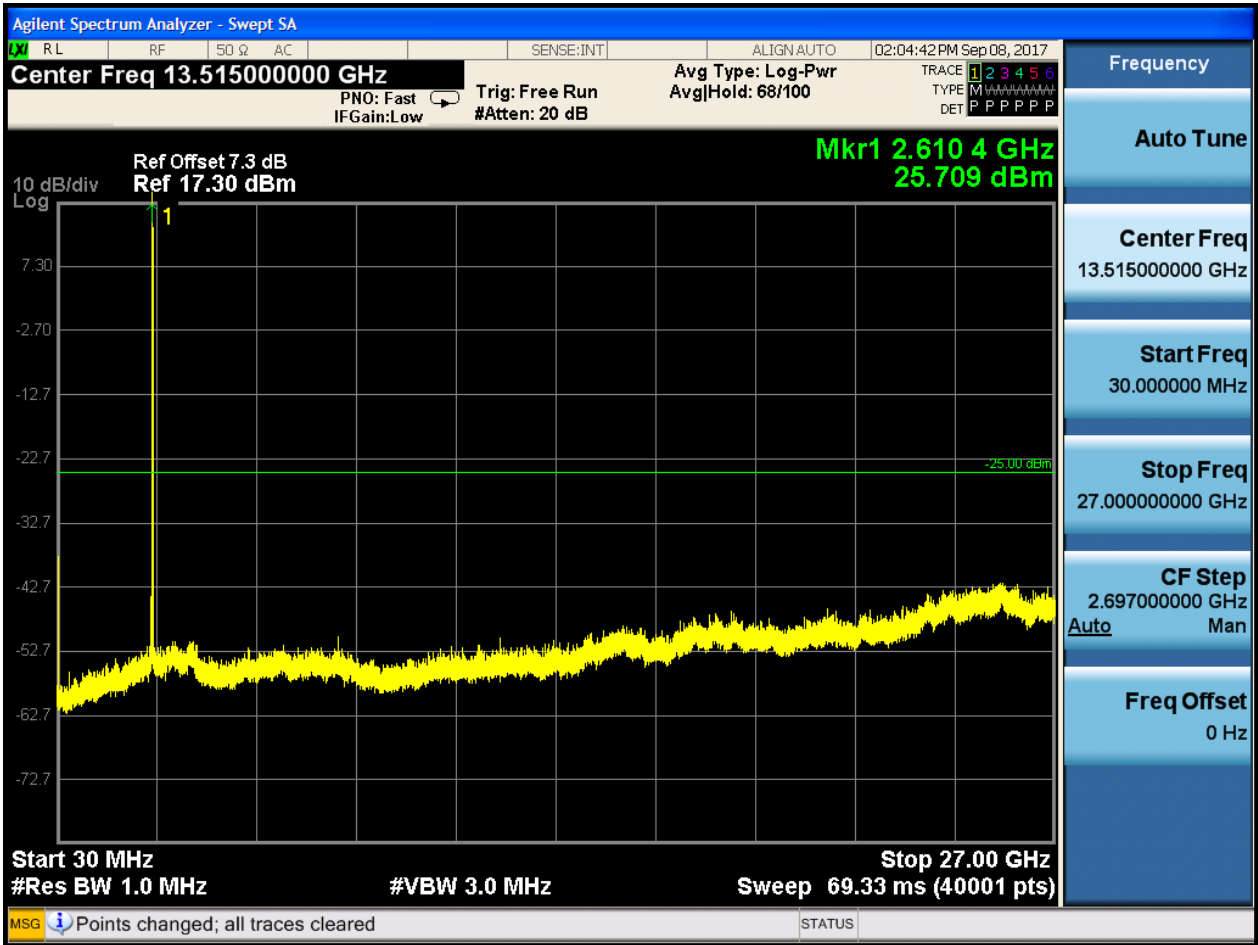


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





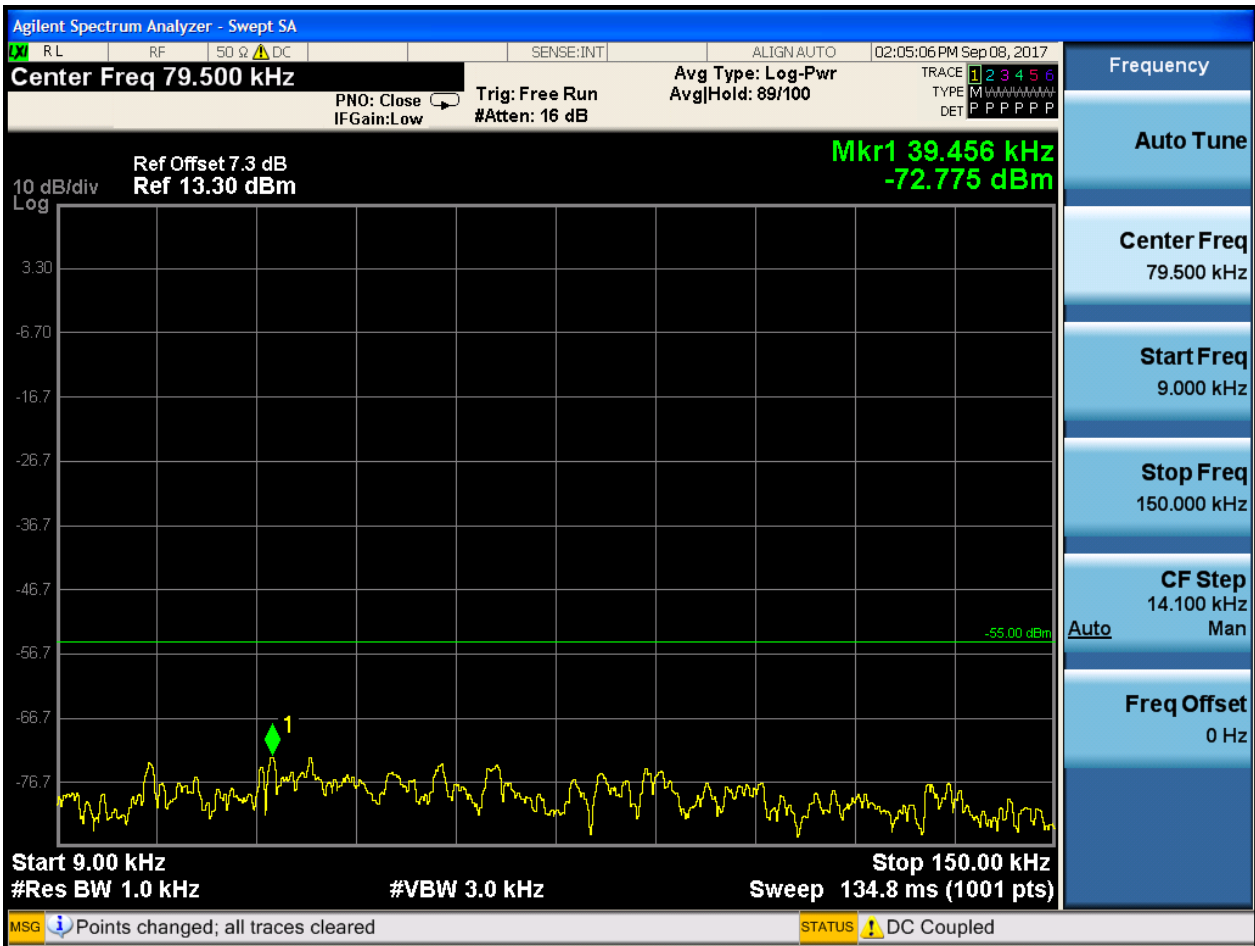


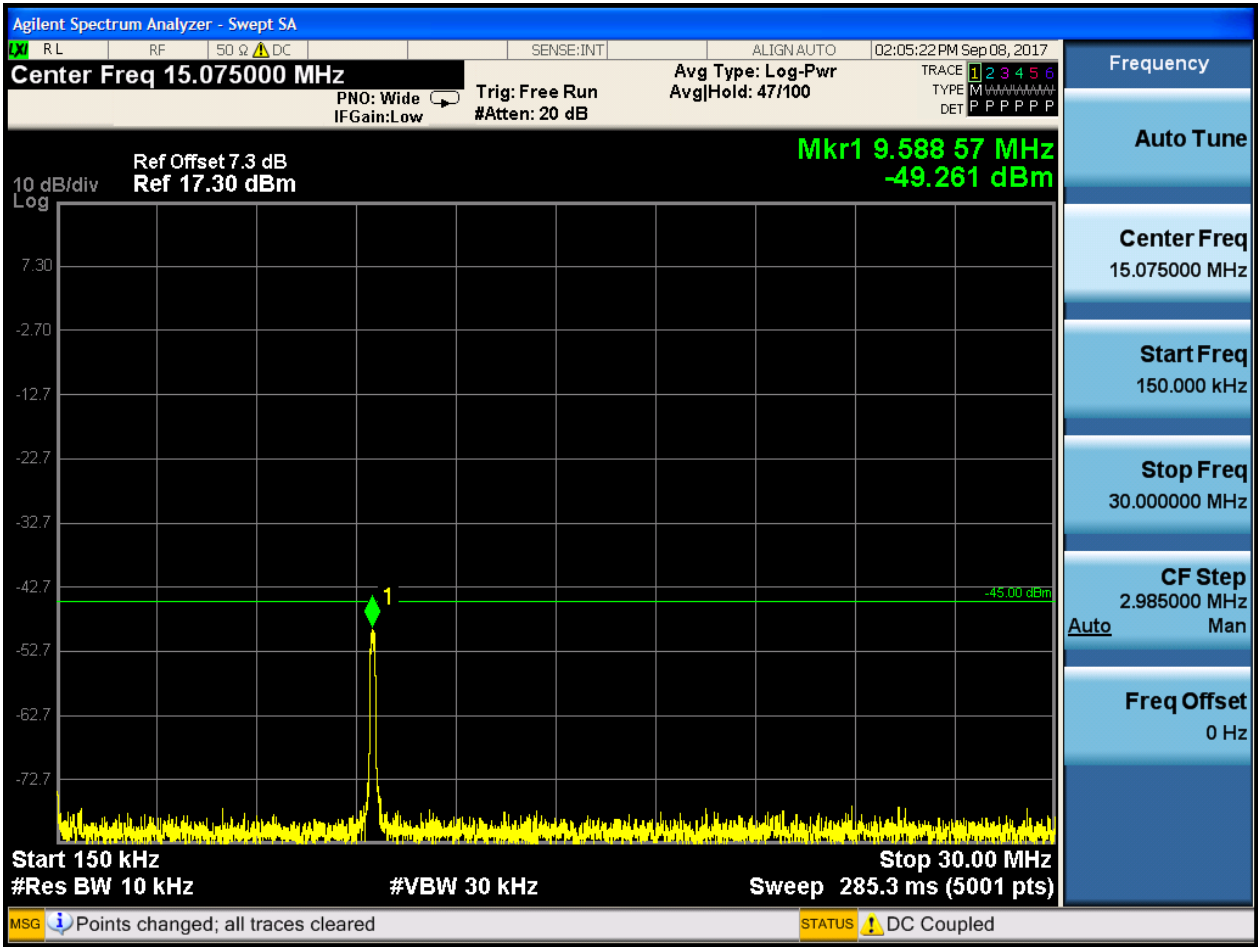


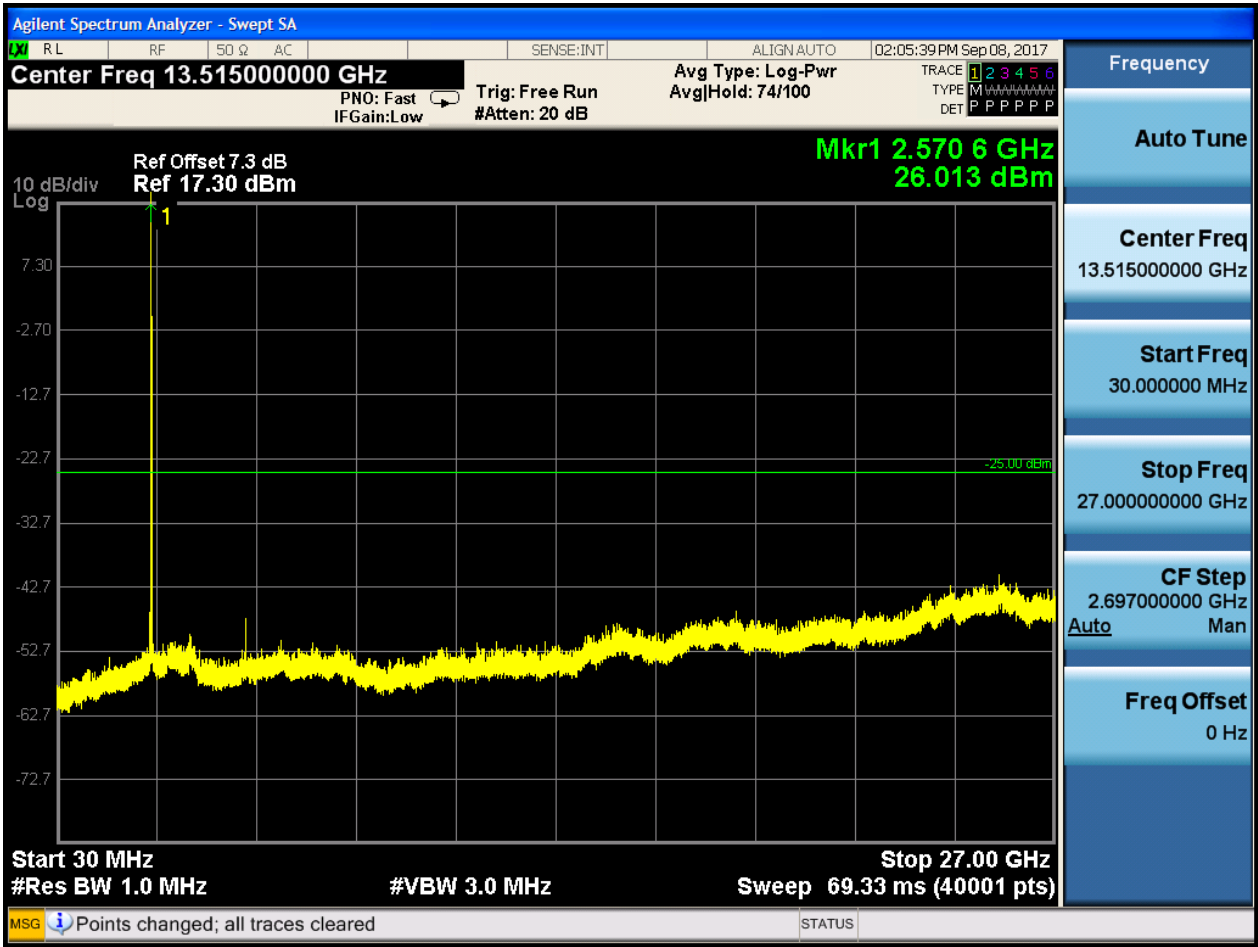
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



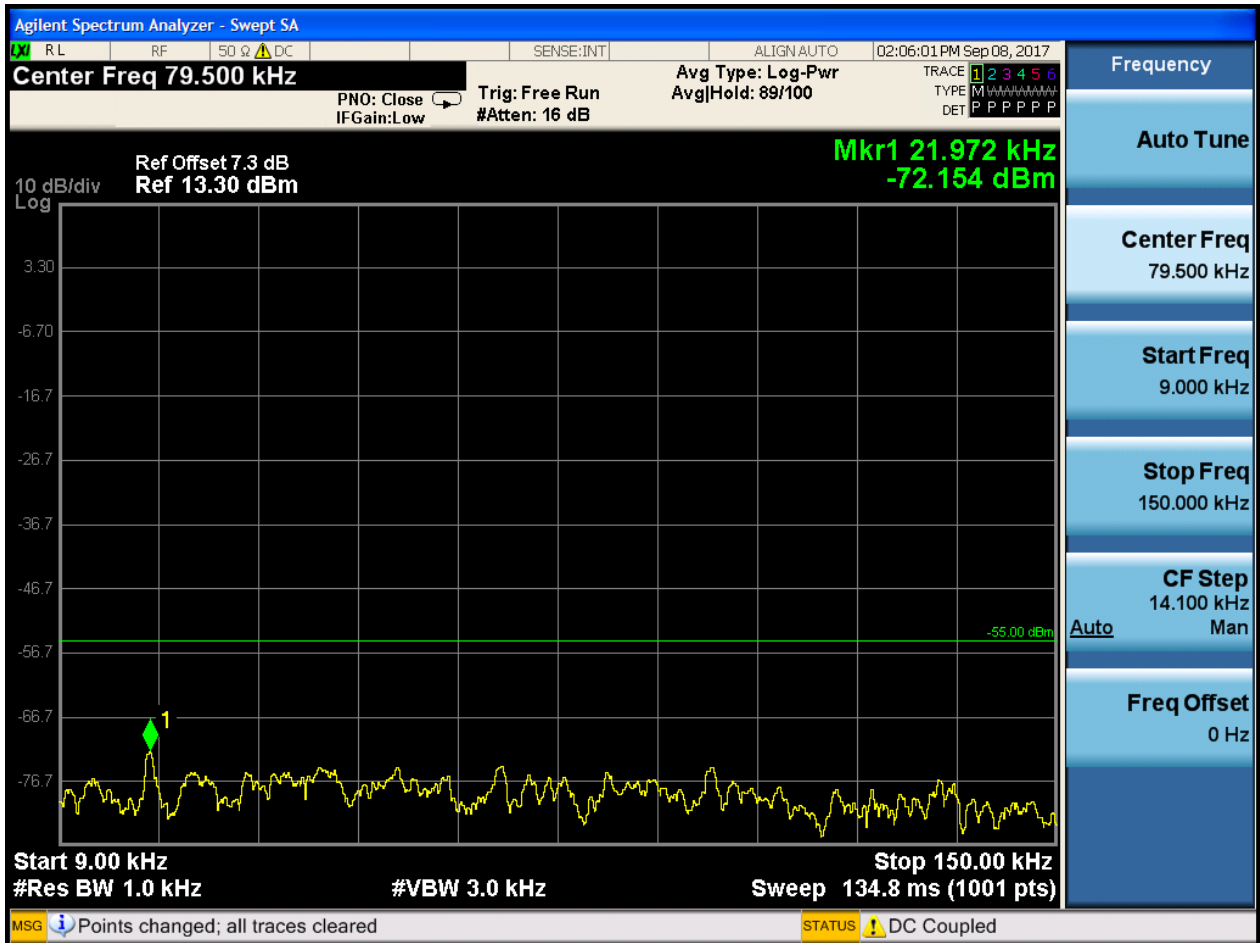


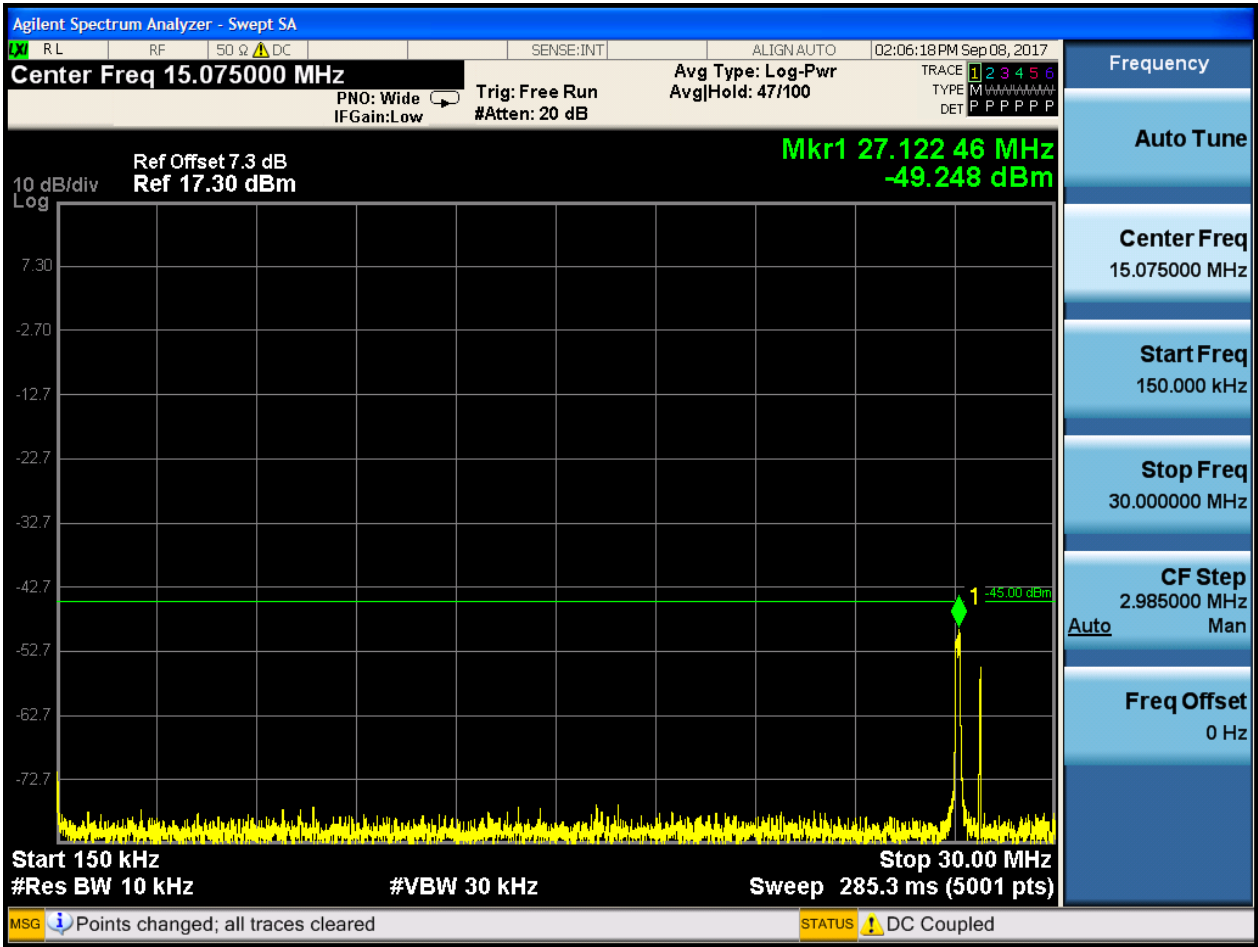




6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



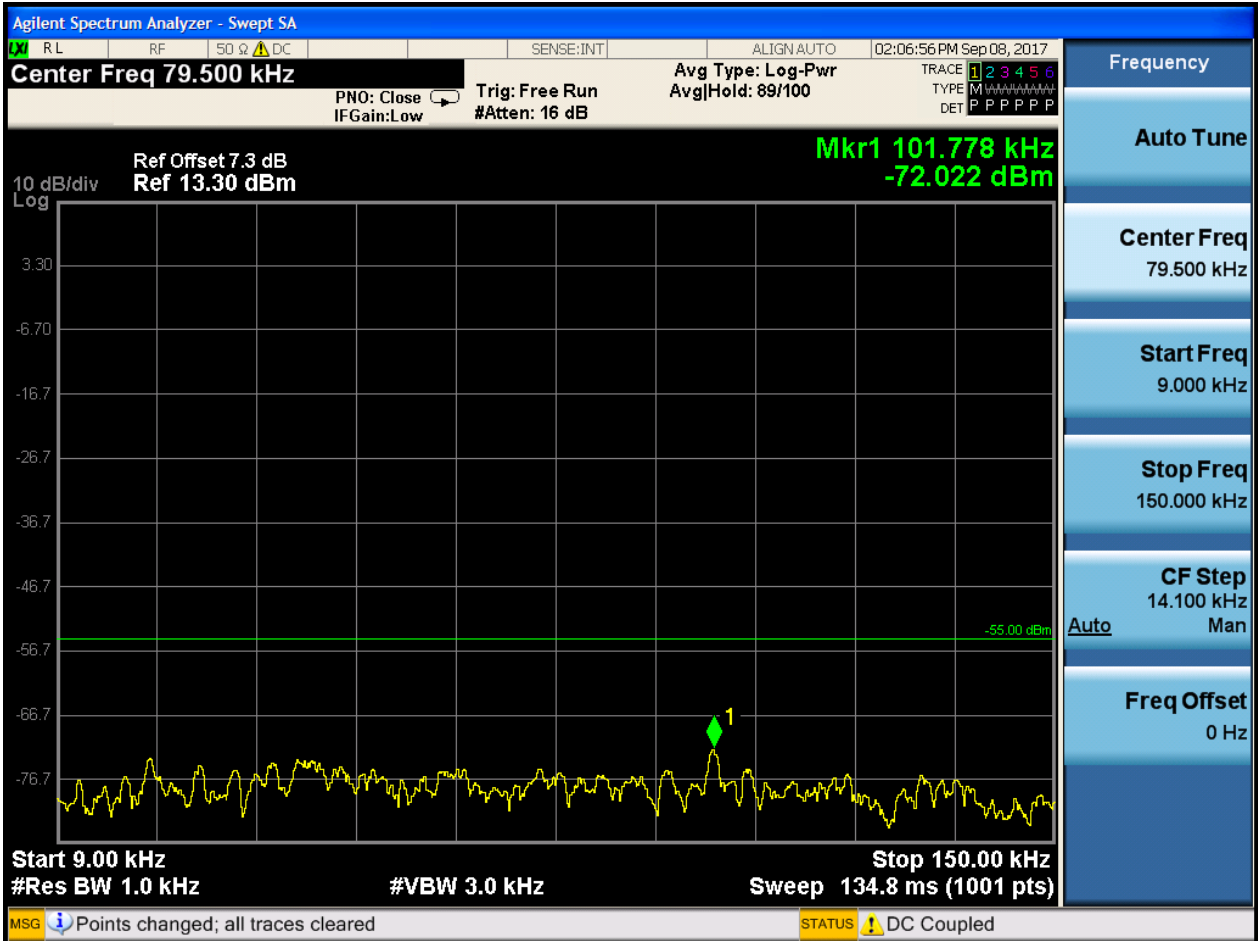


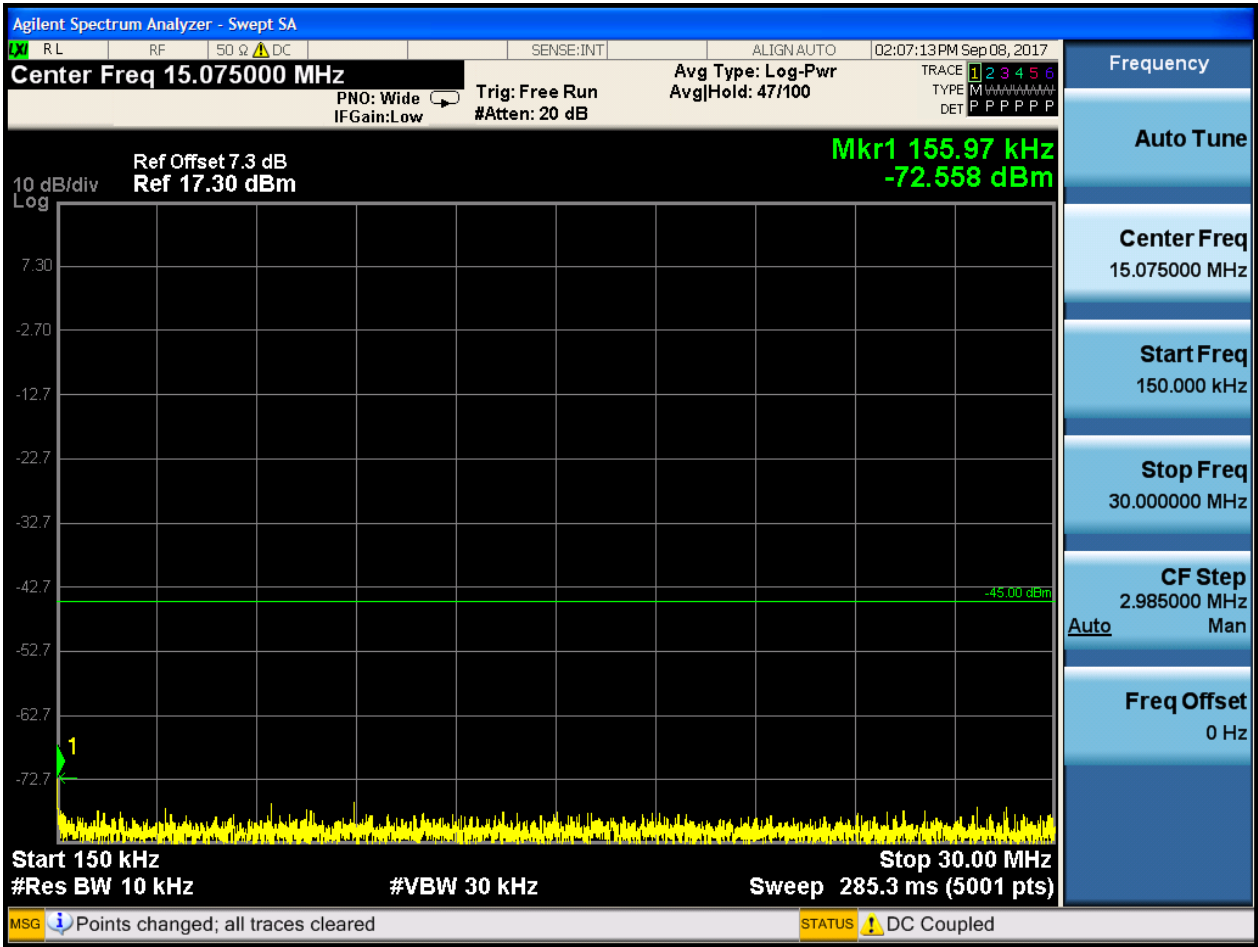


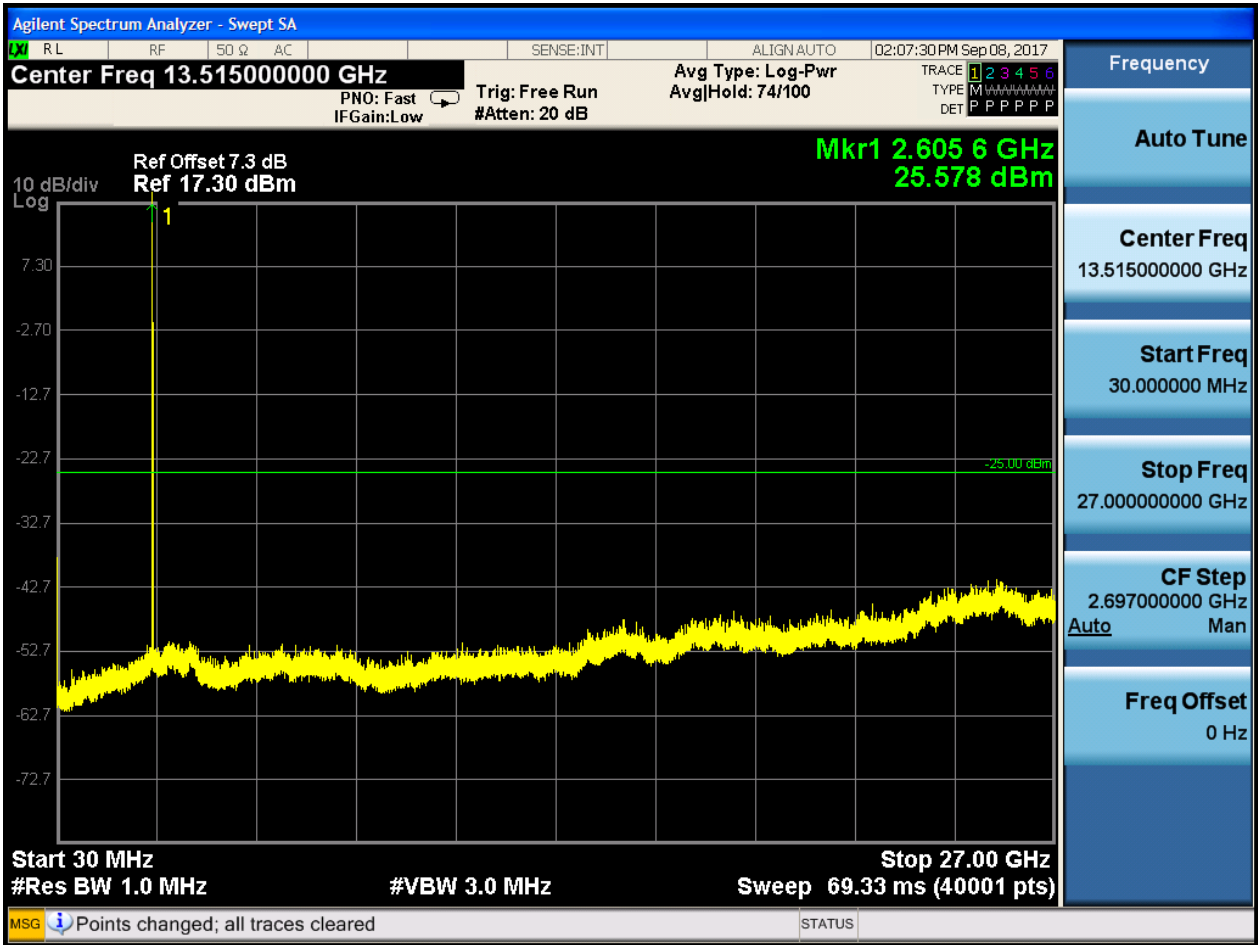


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





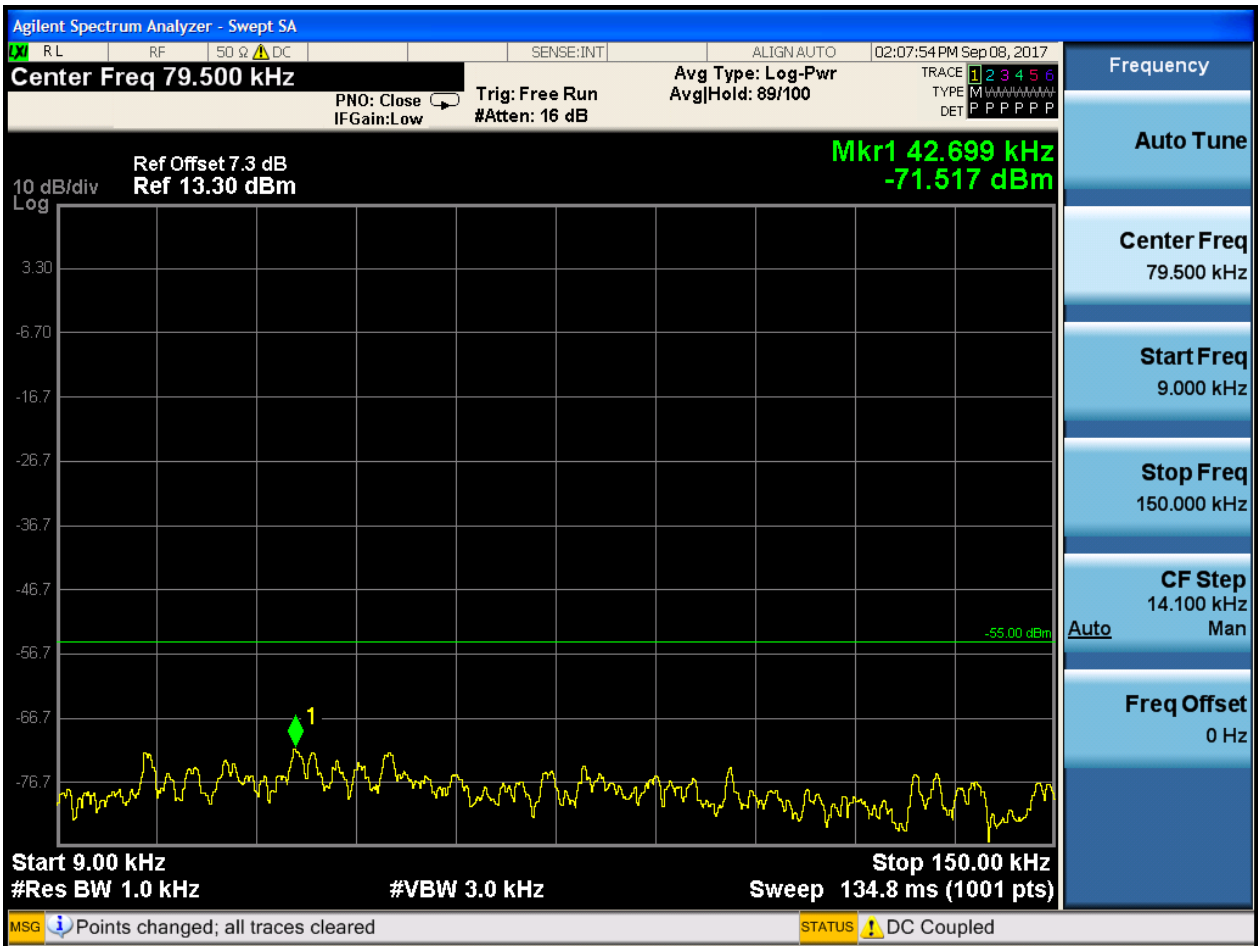


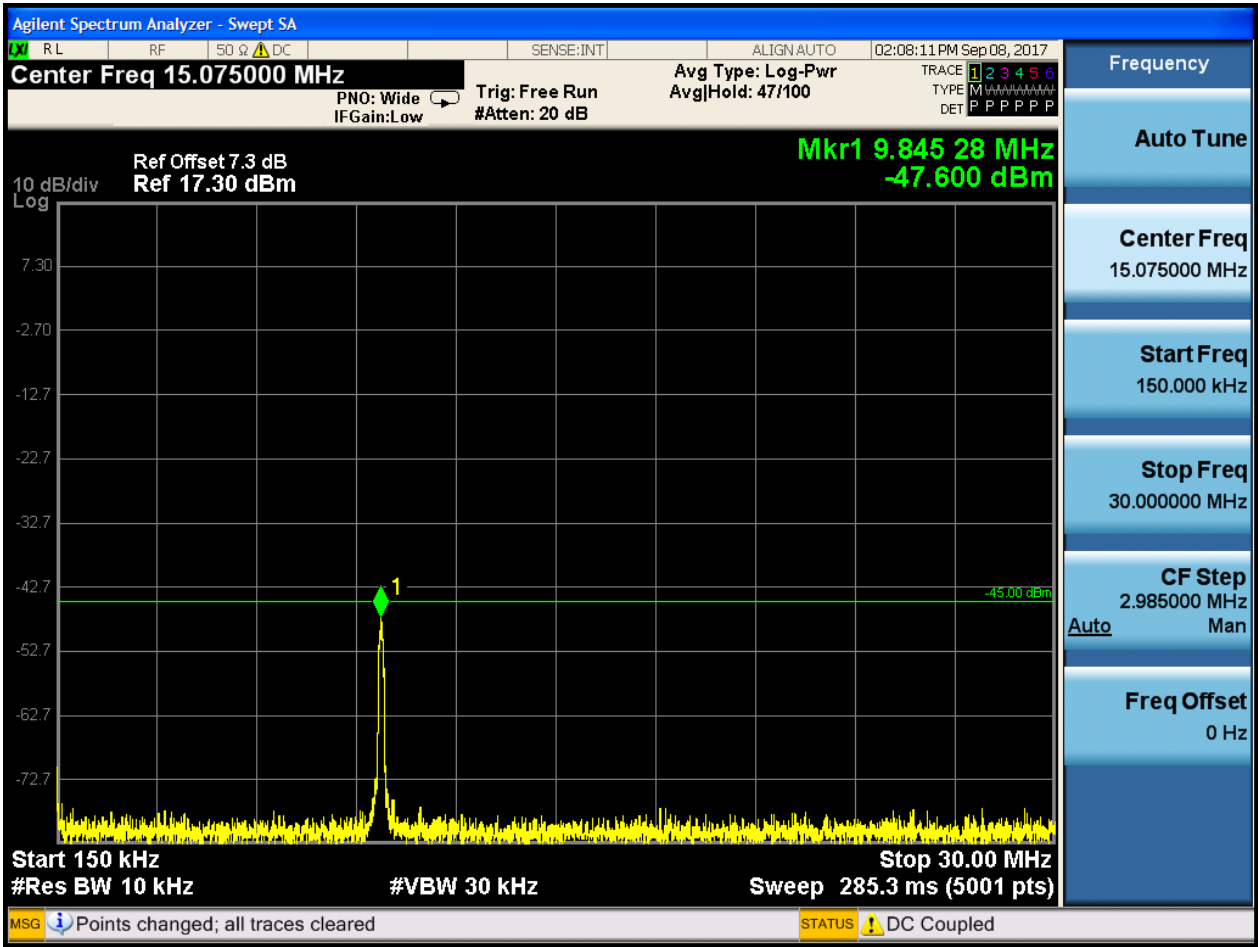


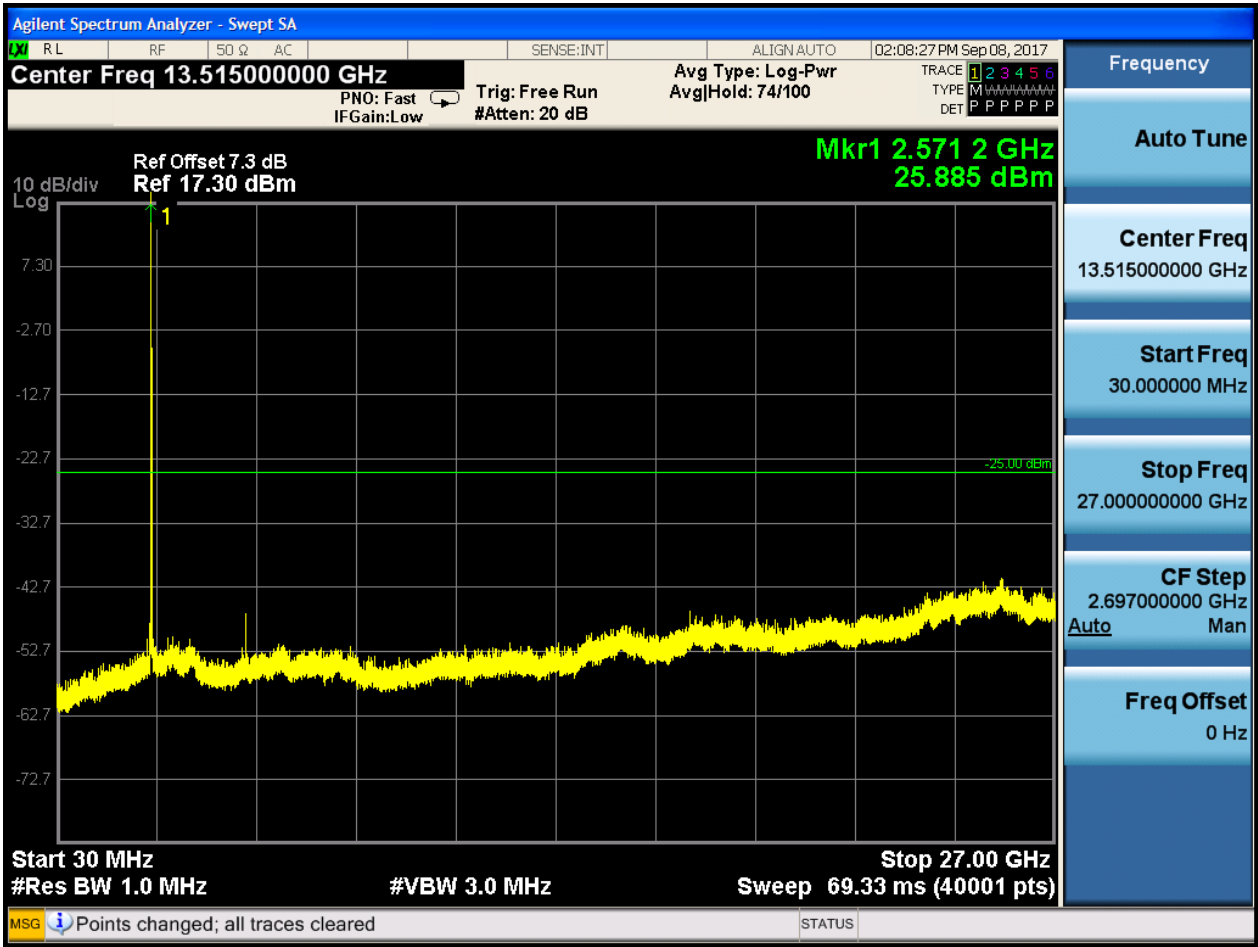
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



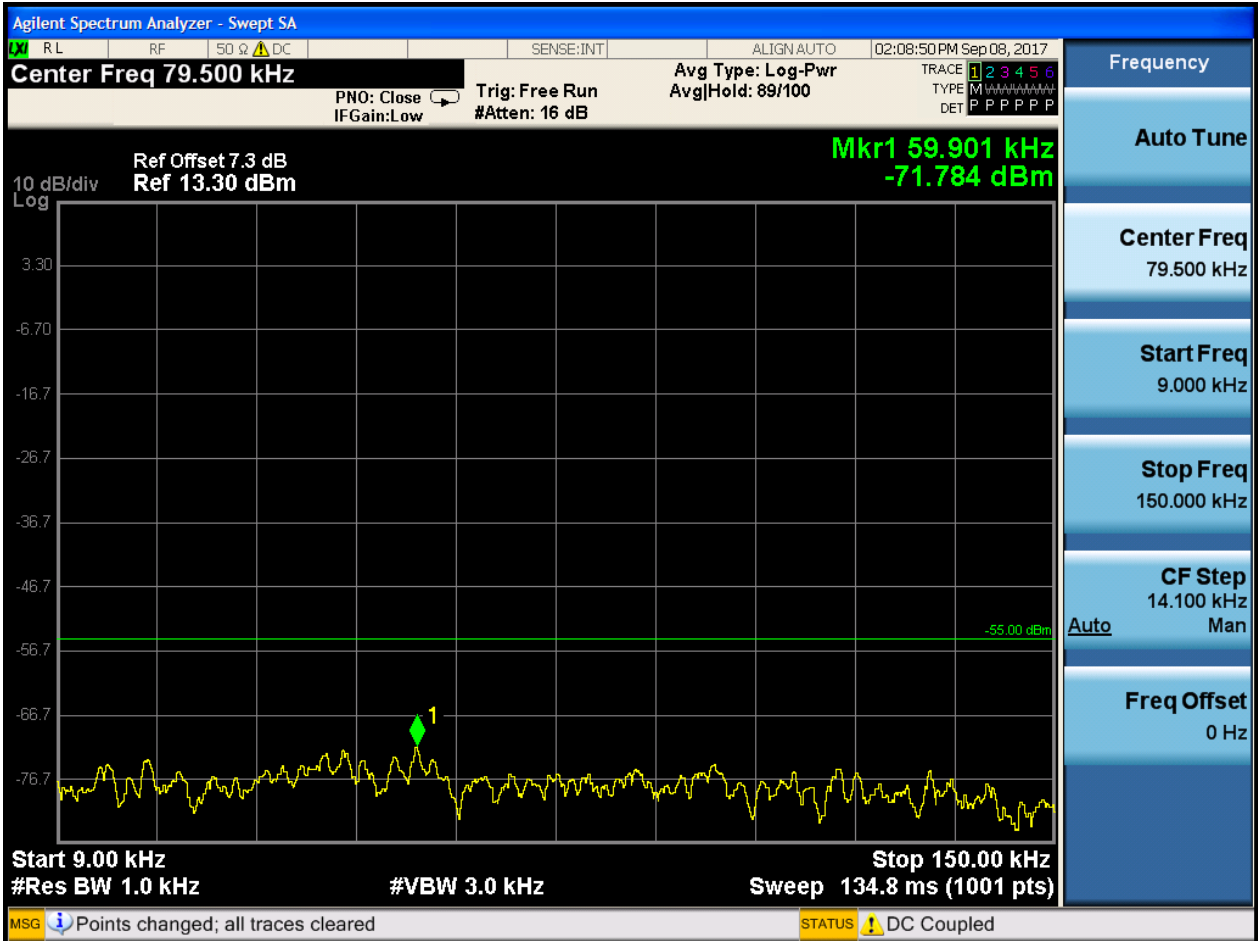


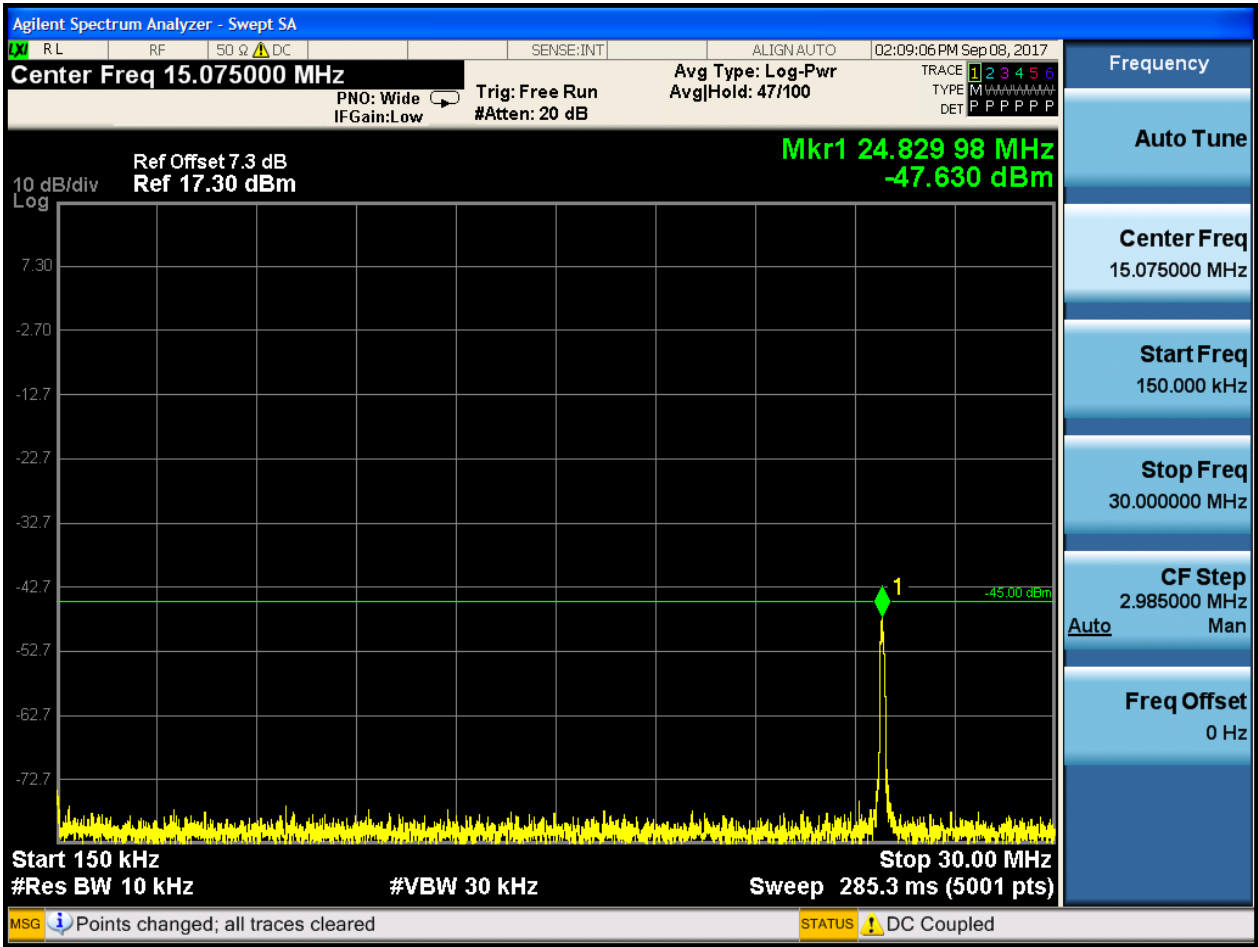




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



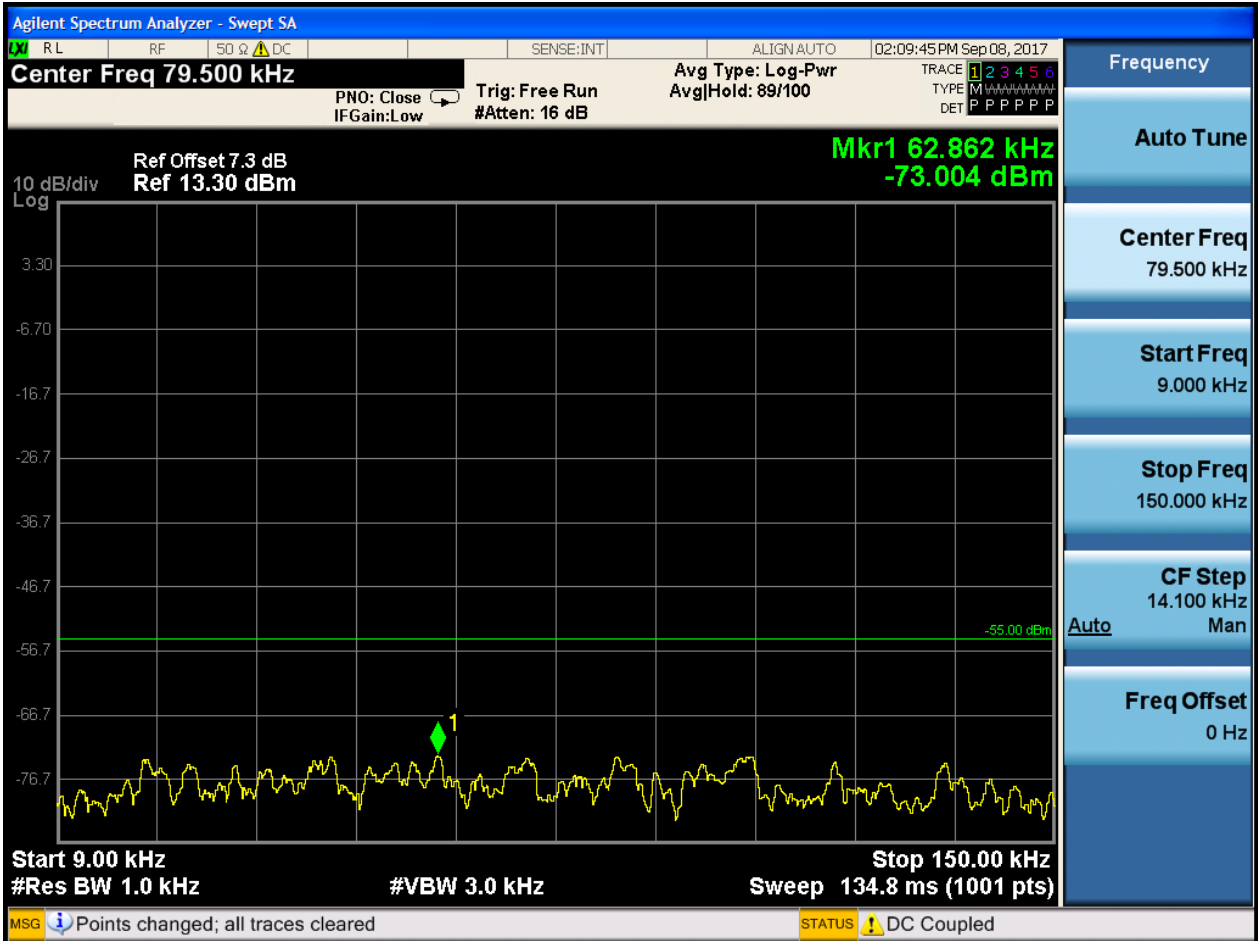


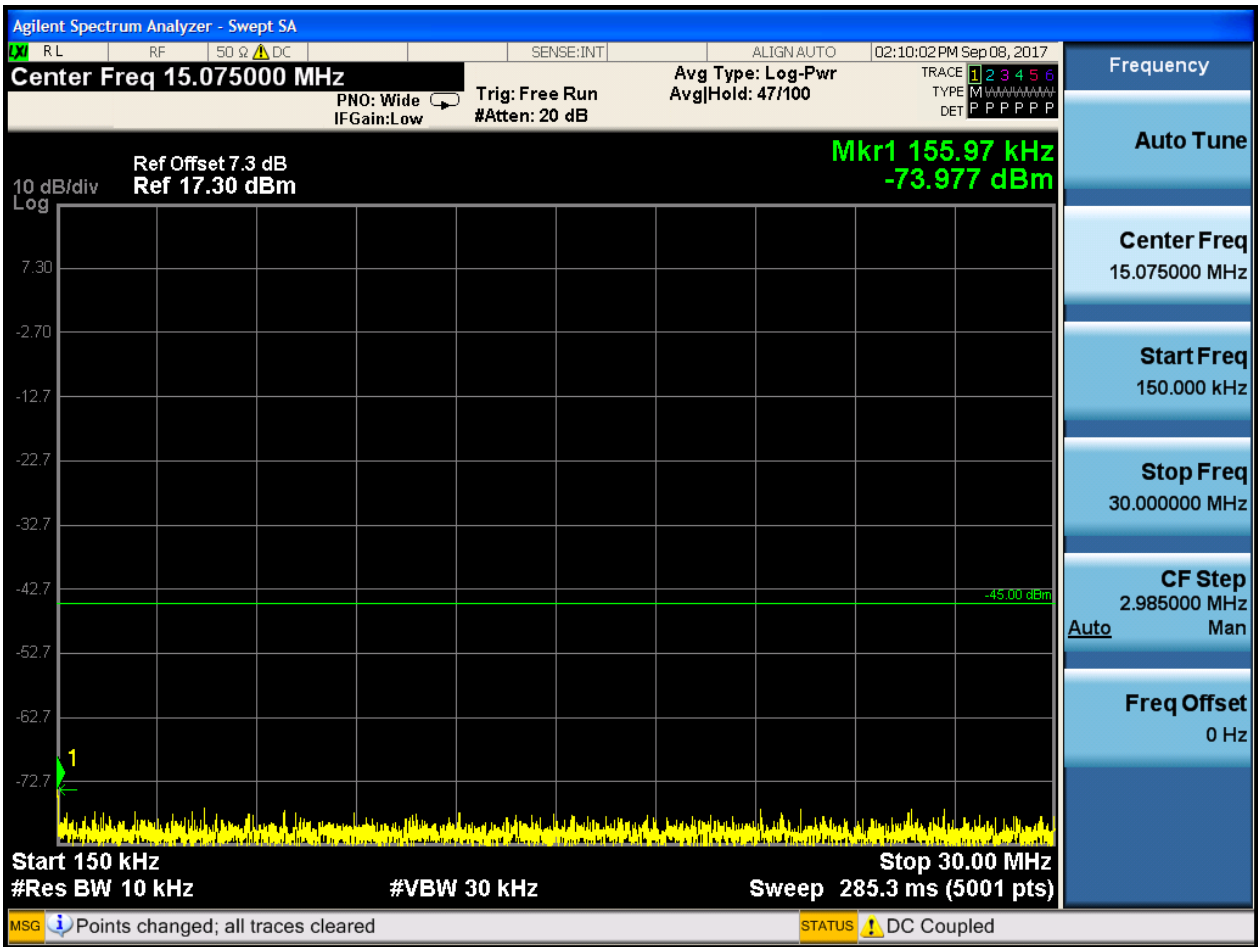


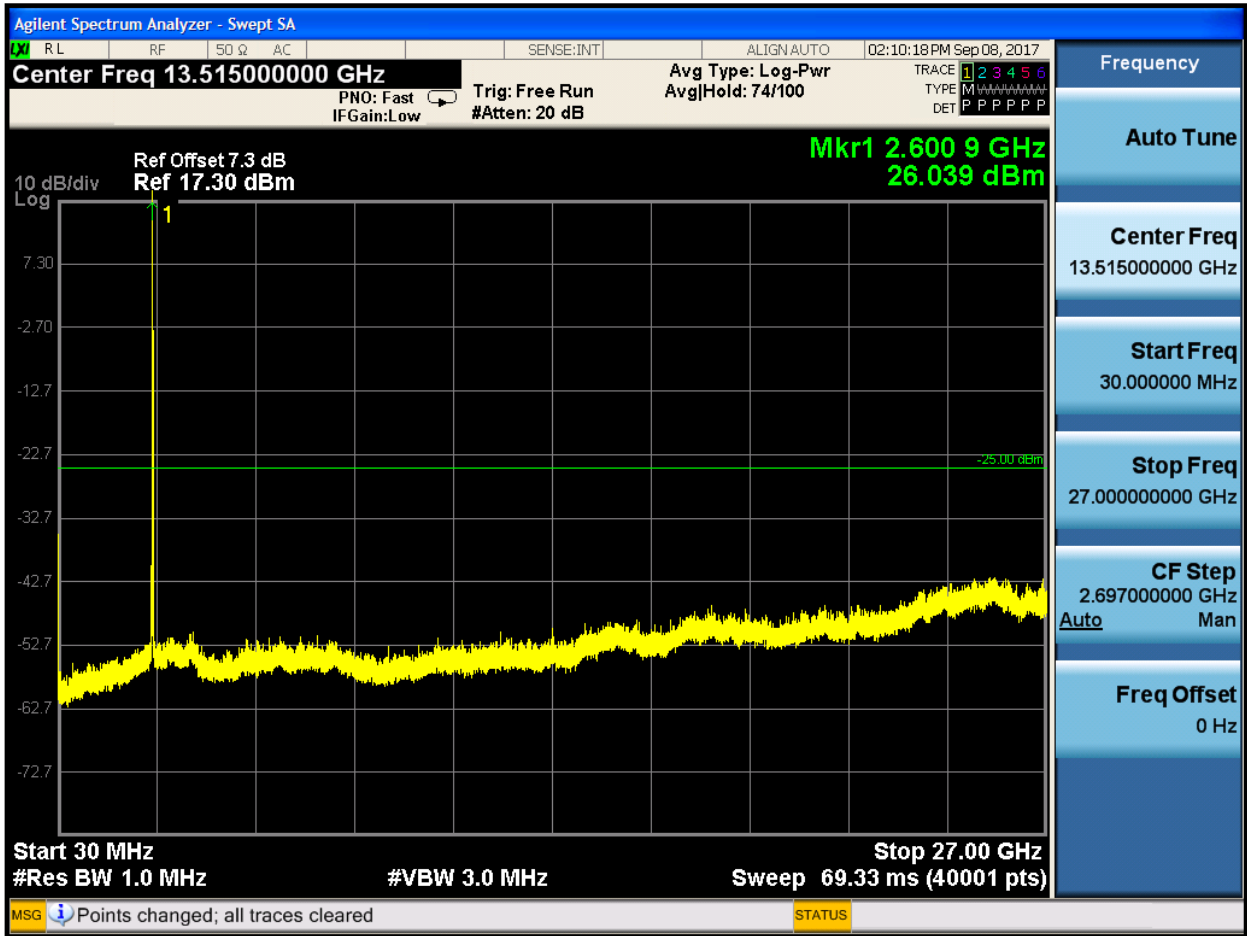


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







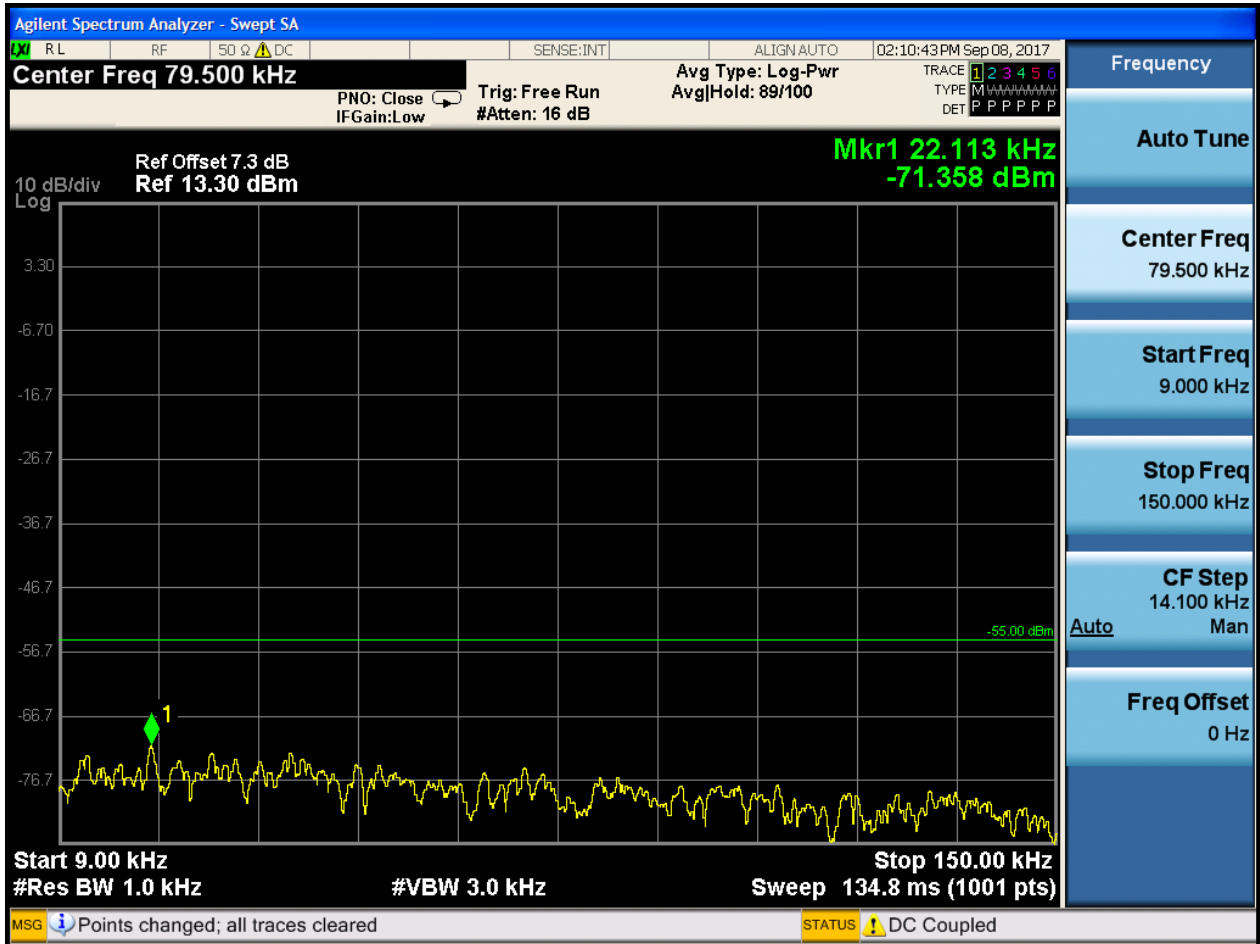


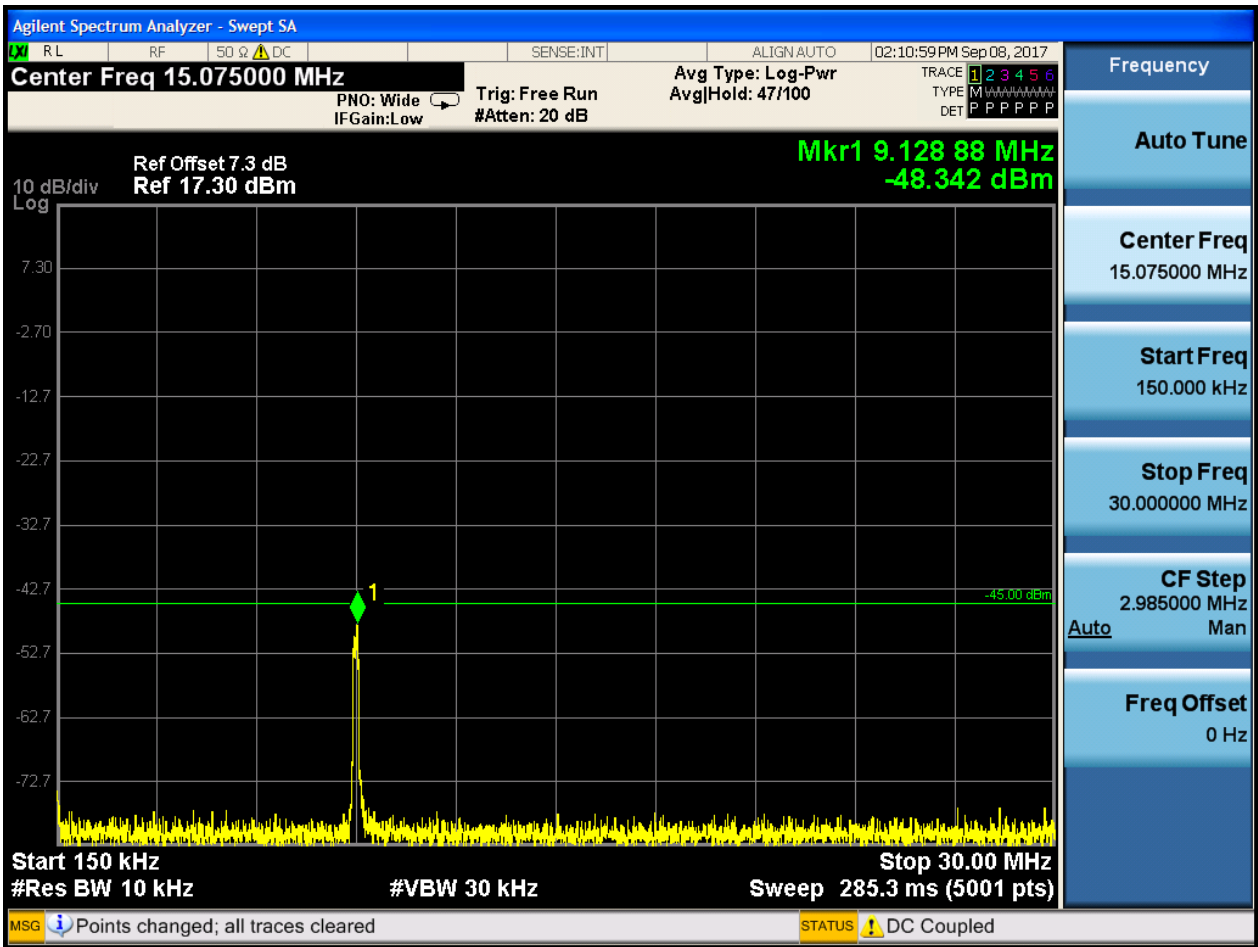
6.1.1.2 Test Mode = LTE/TM2

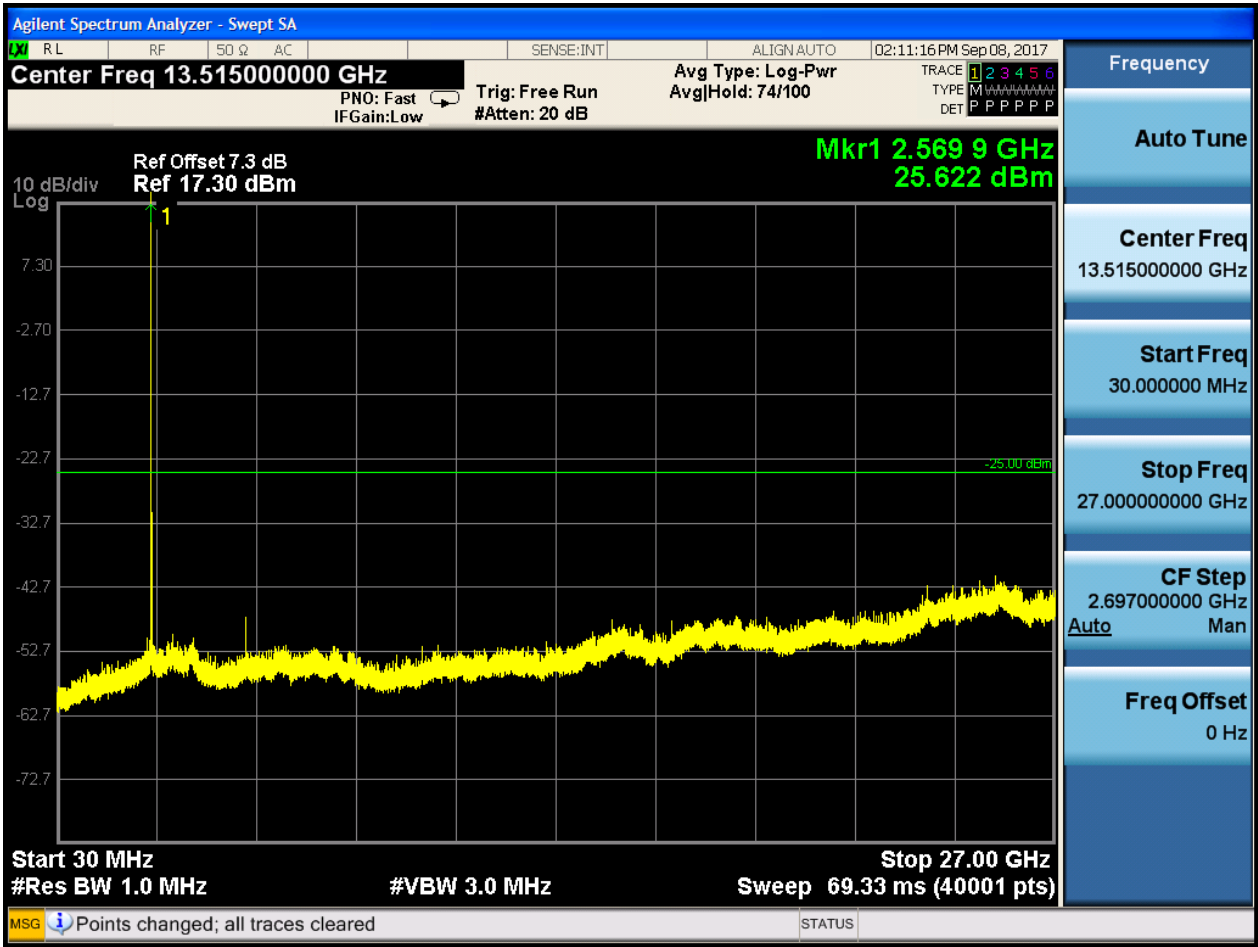
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



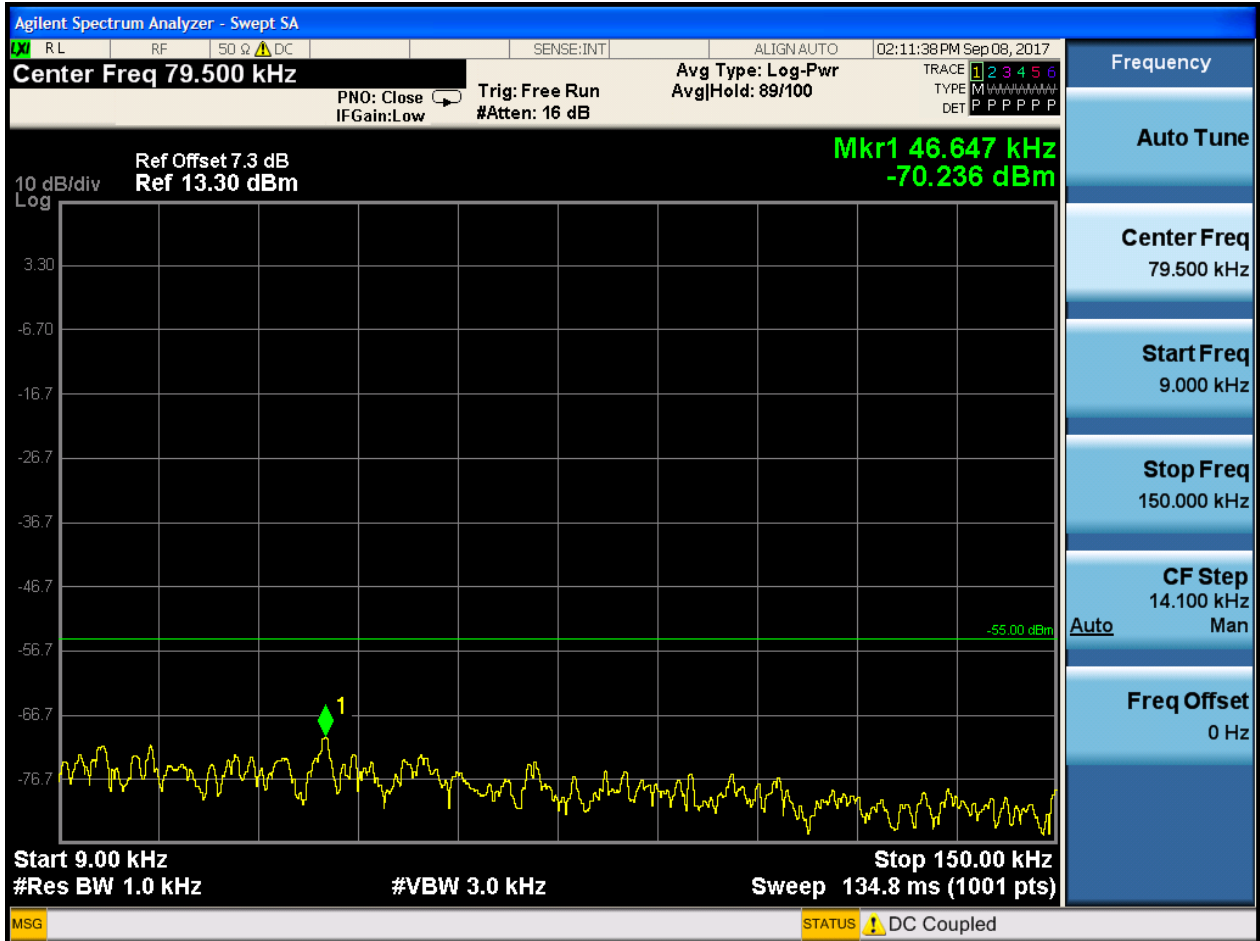




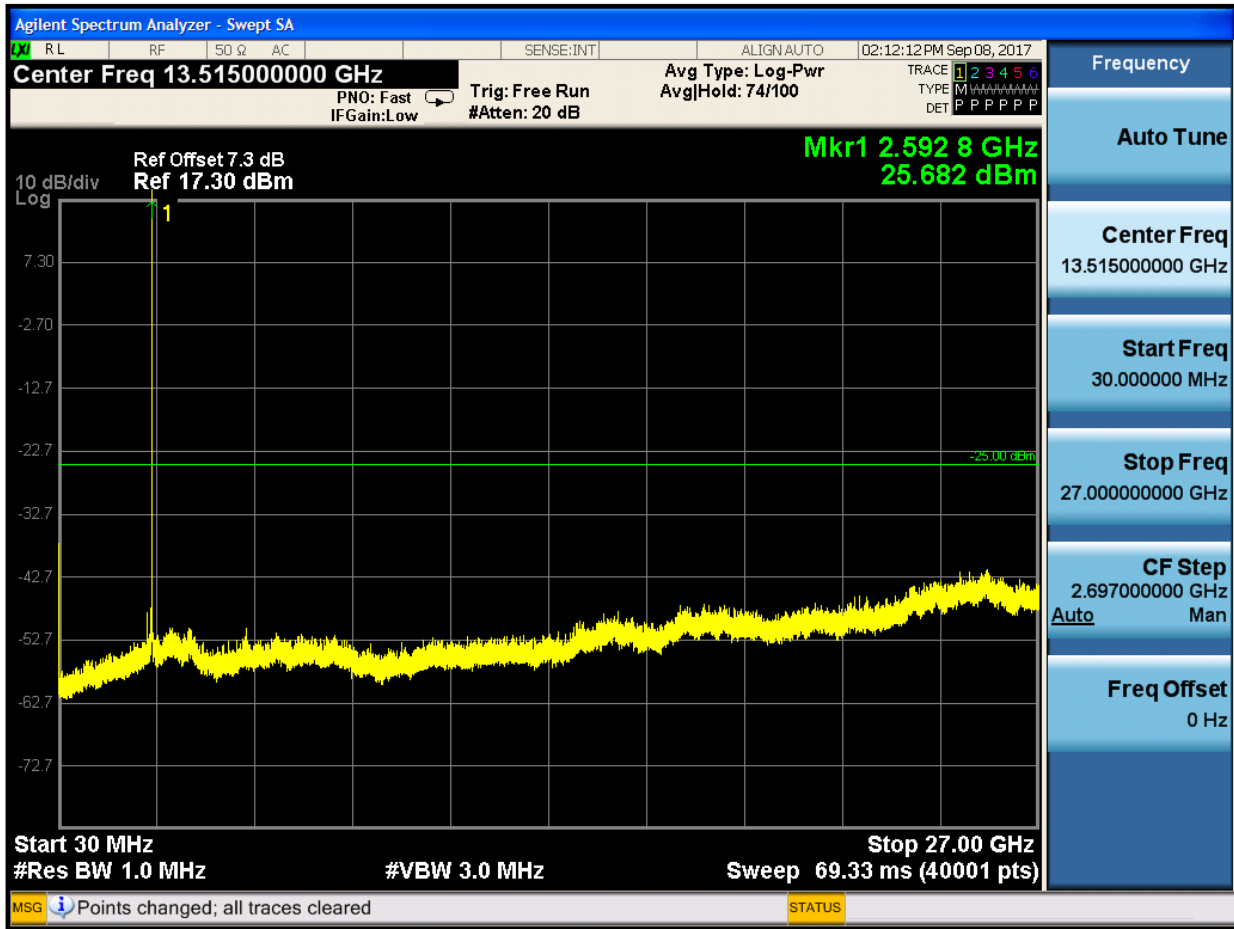


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



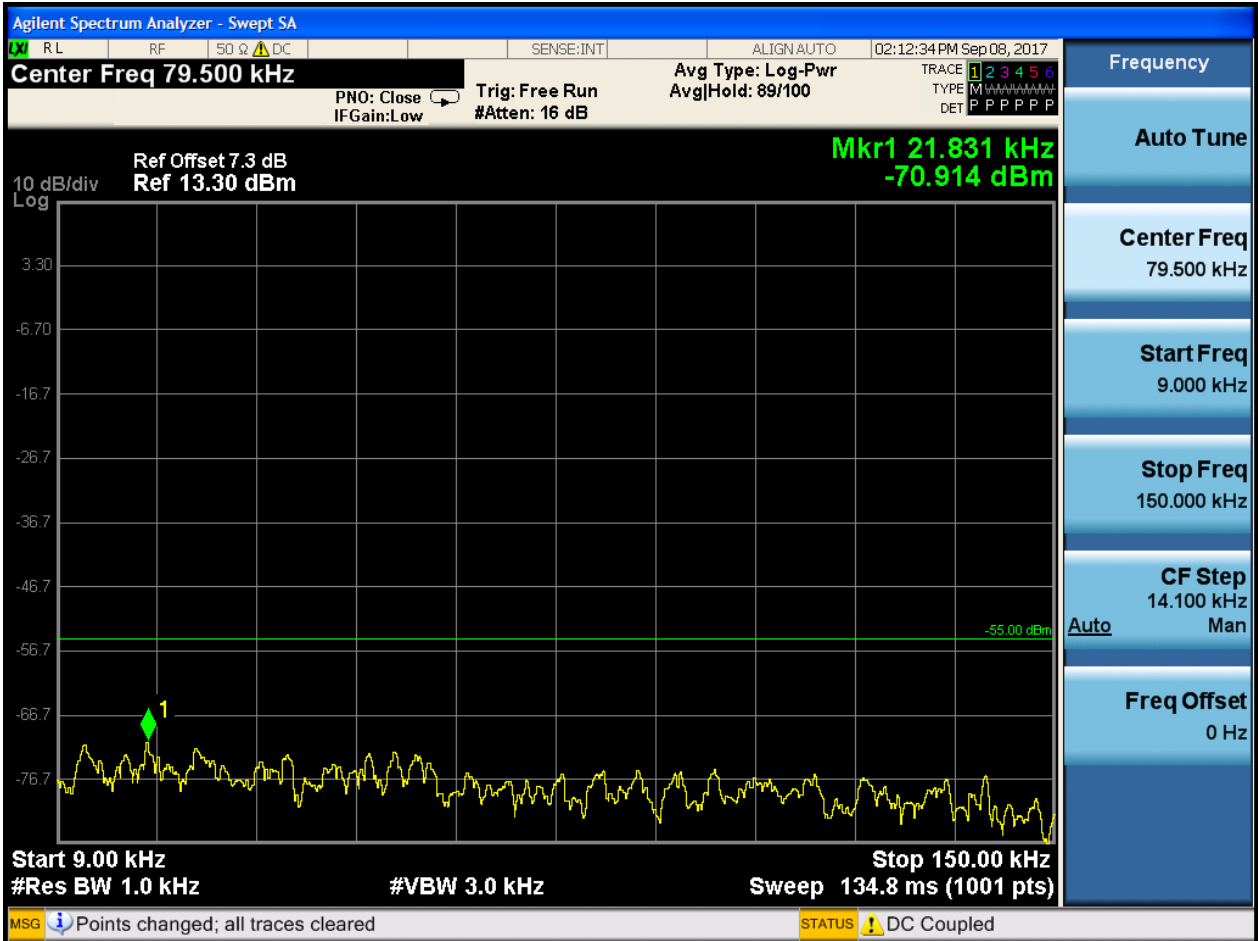


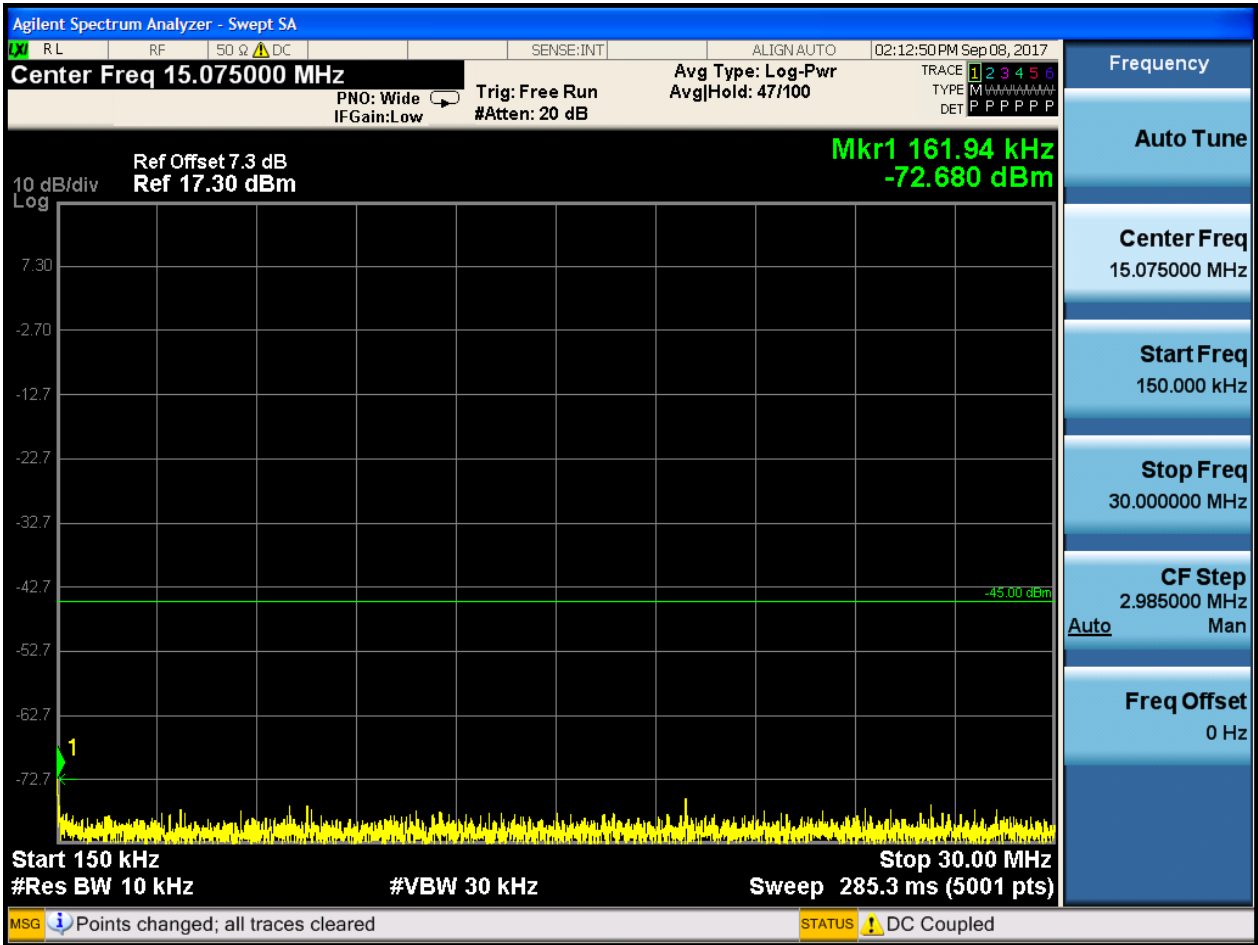


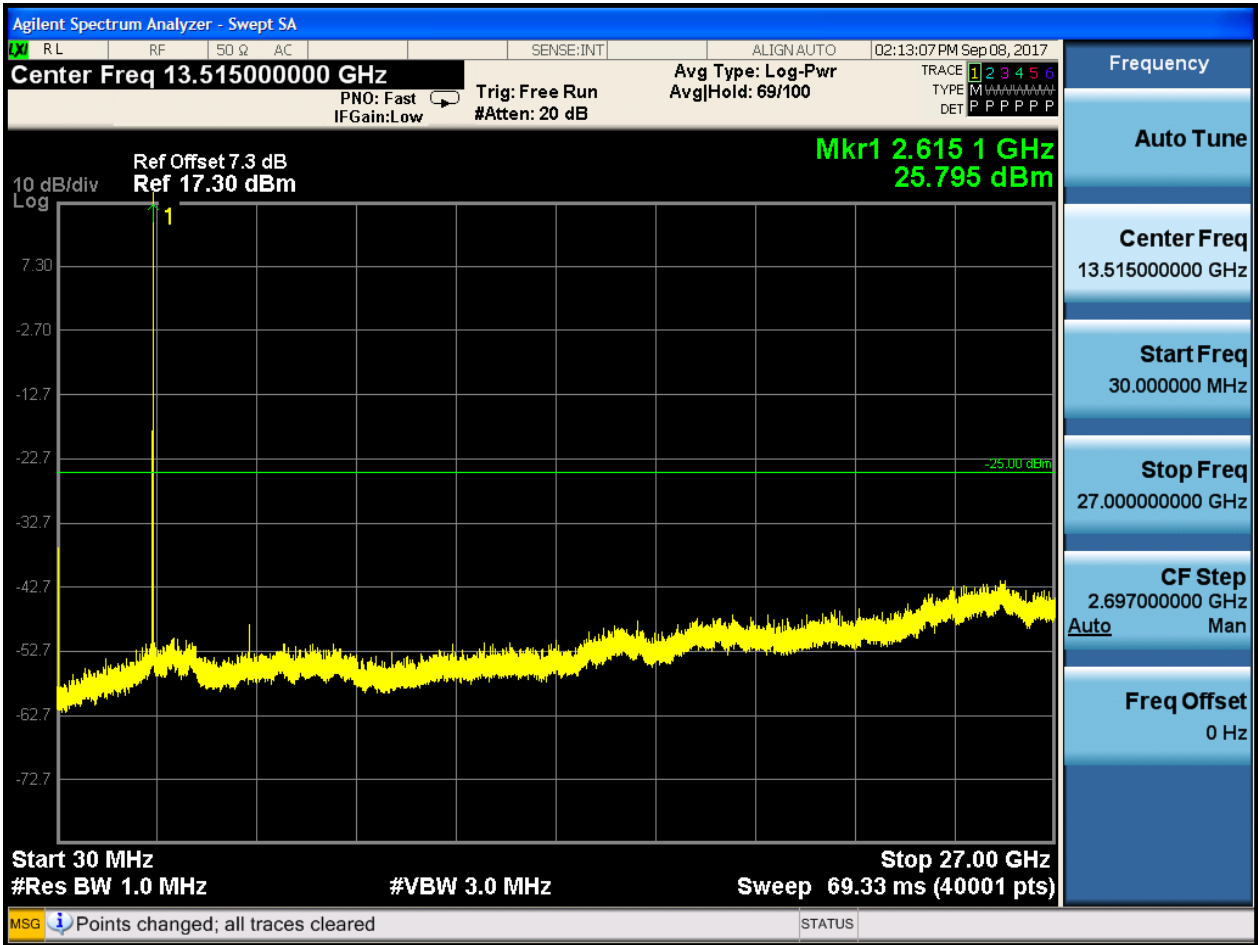


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





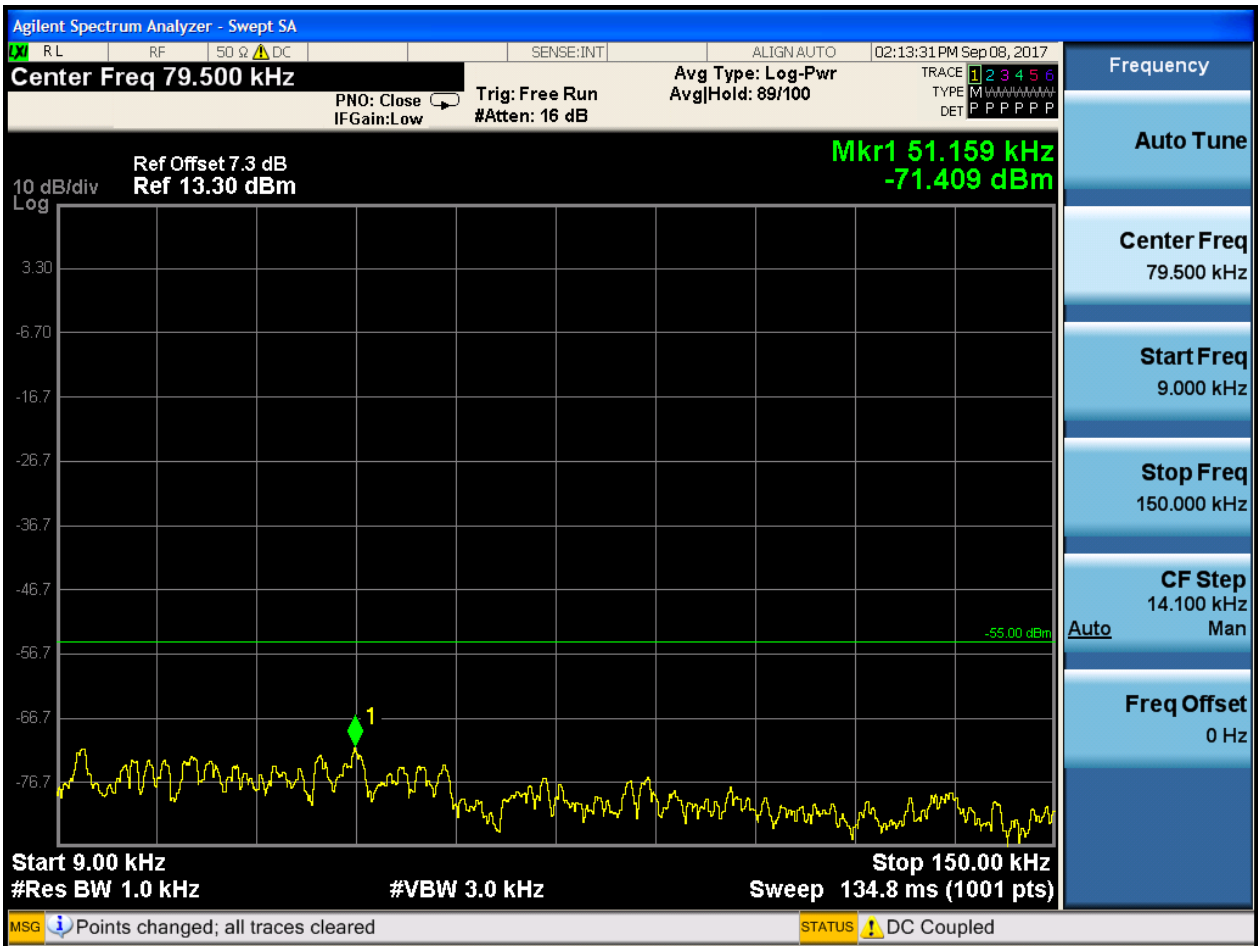


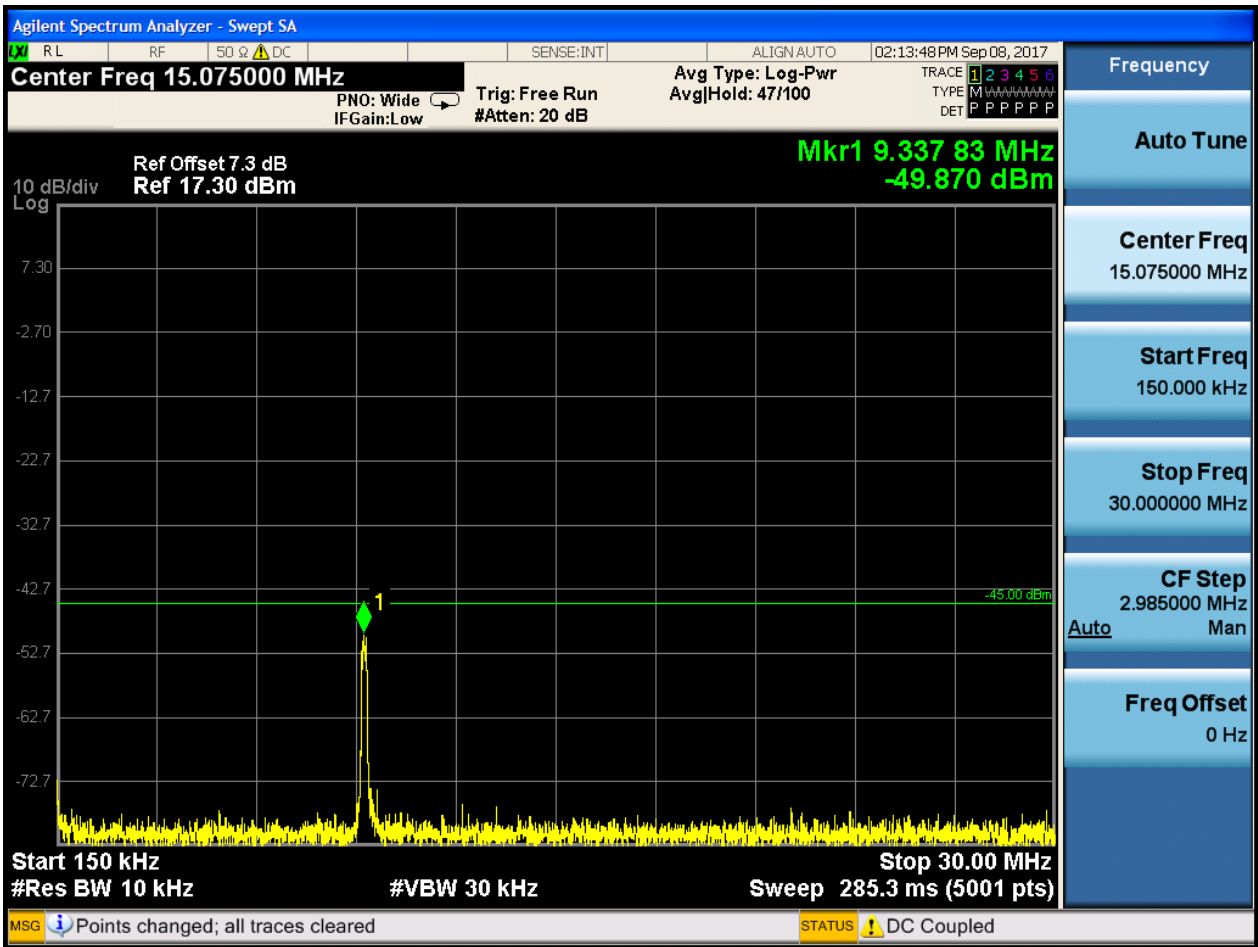


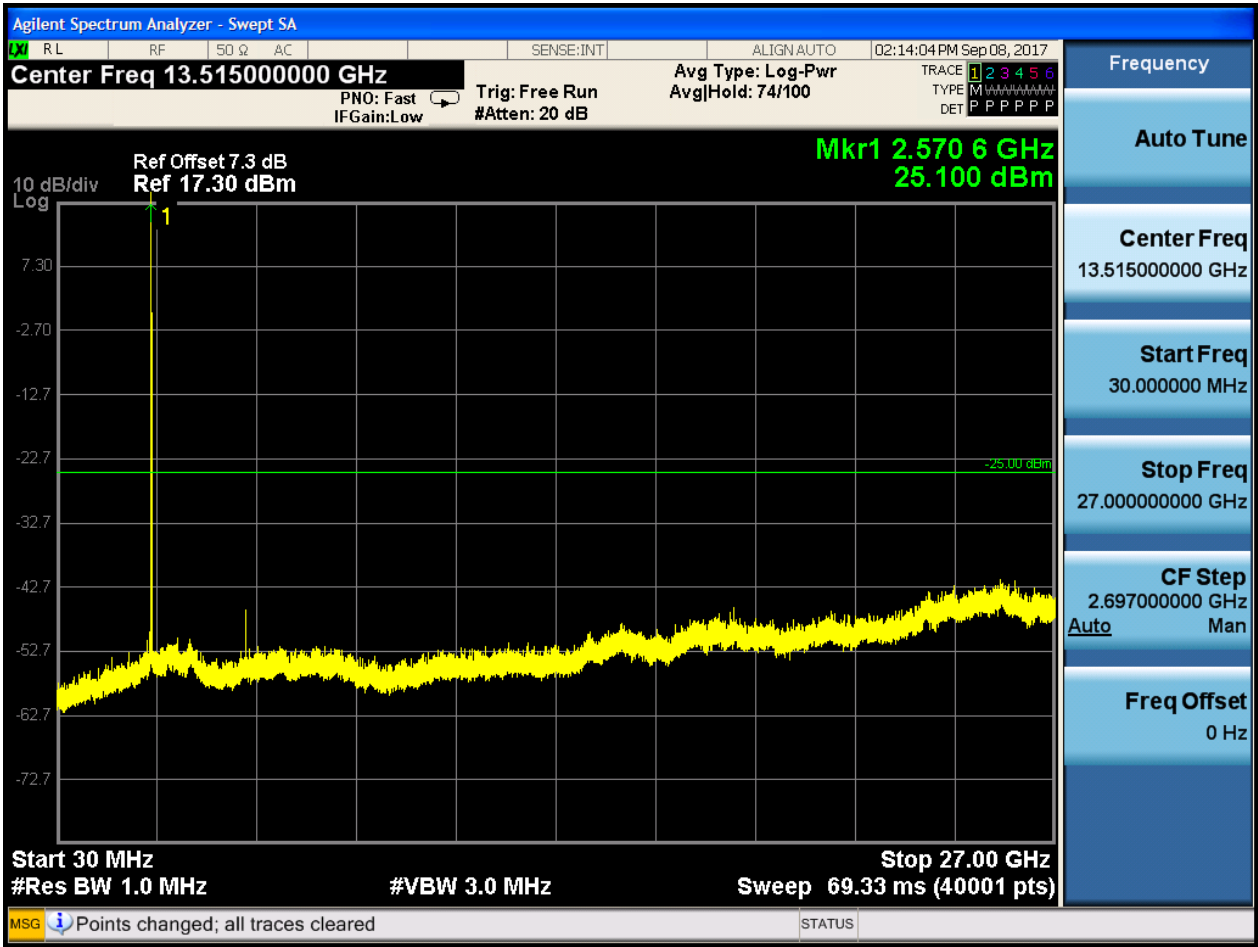
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



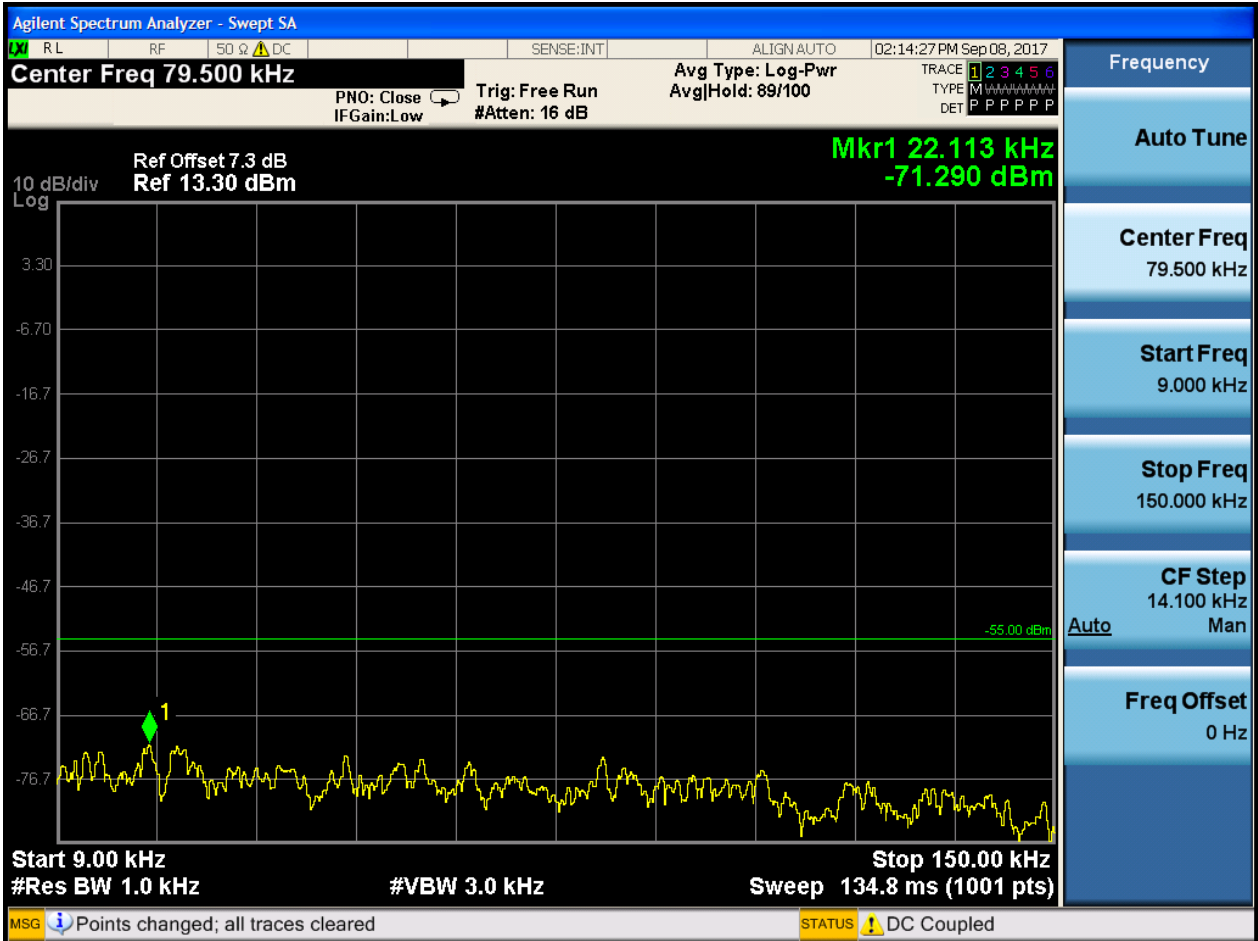


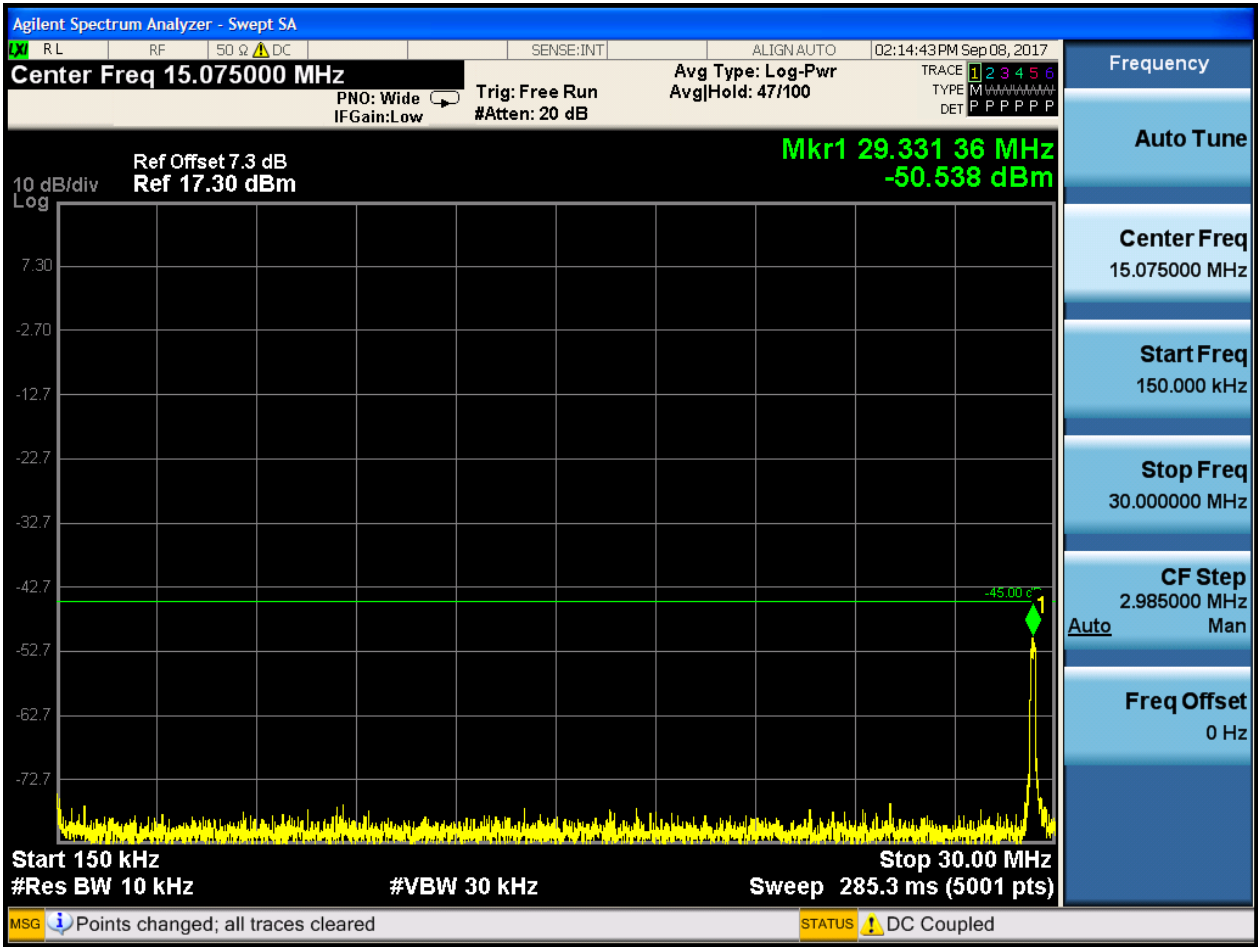


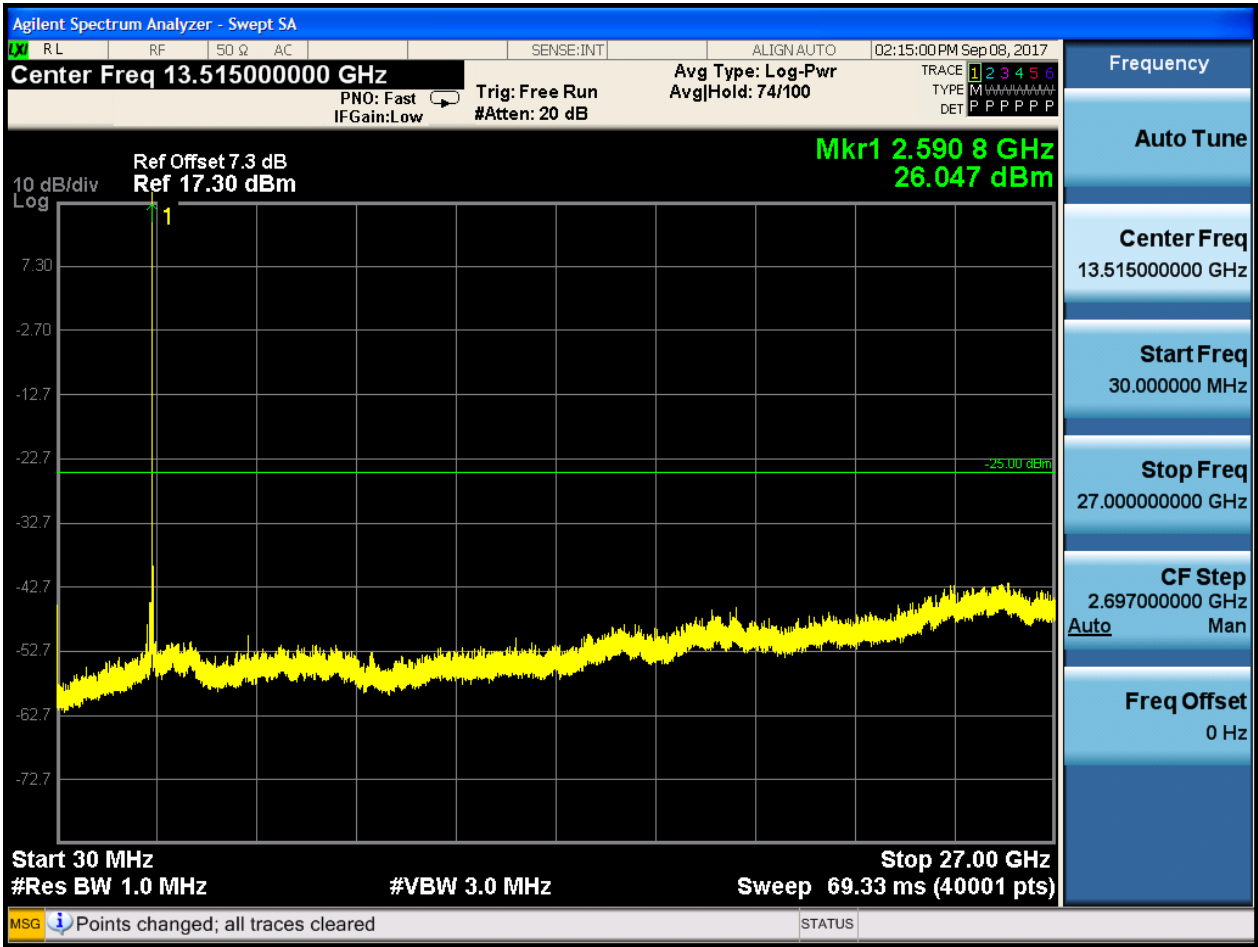


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



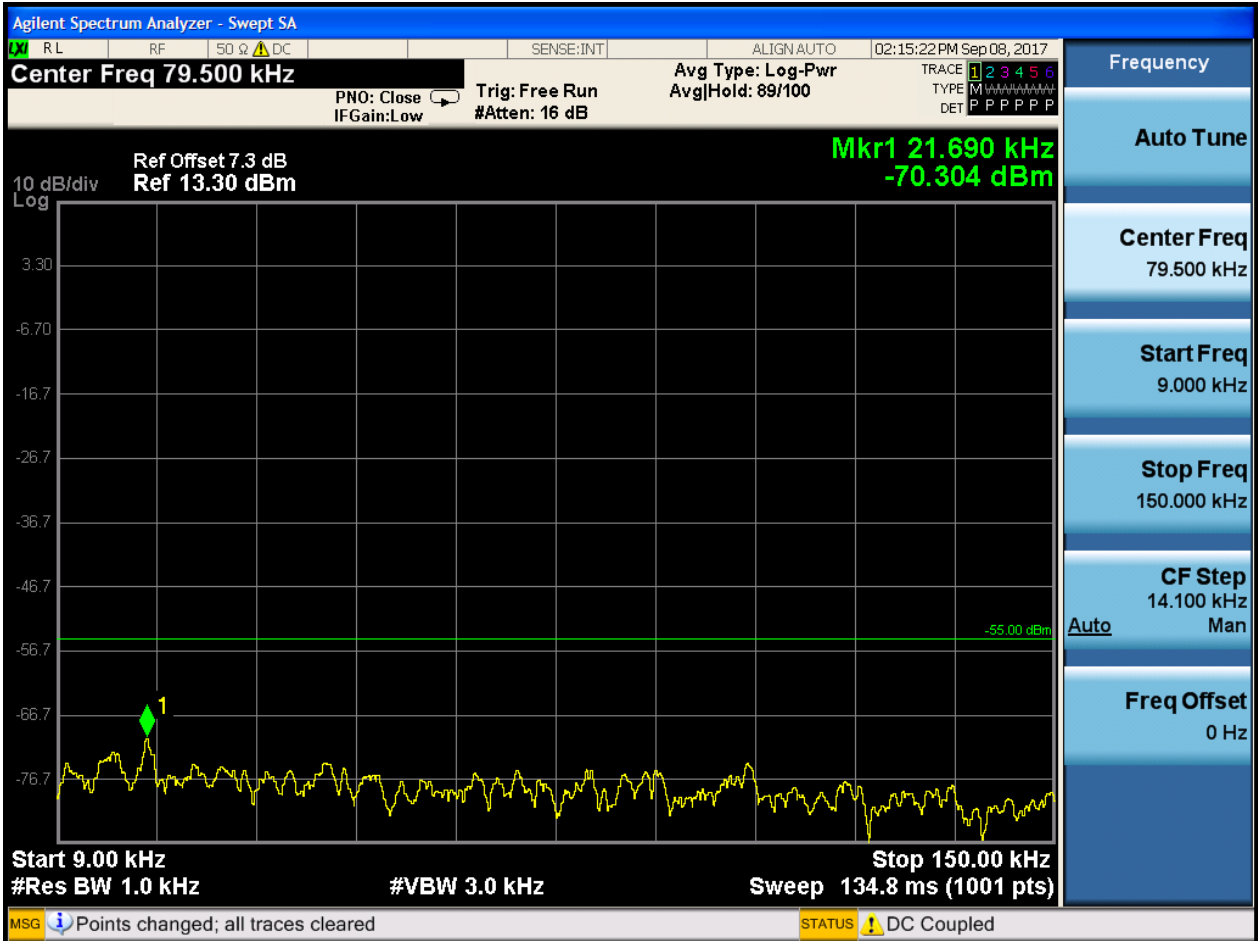


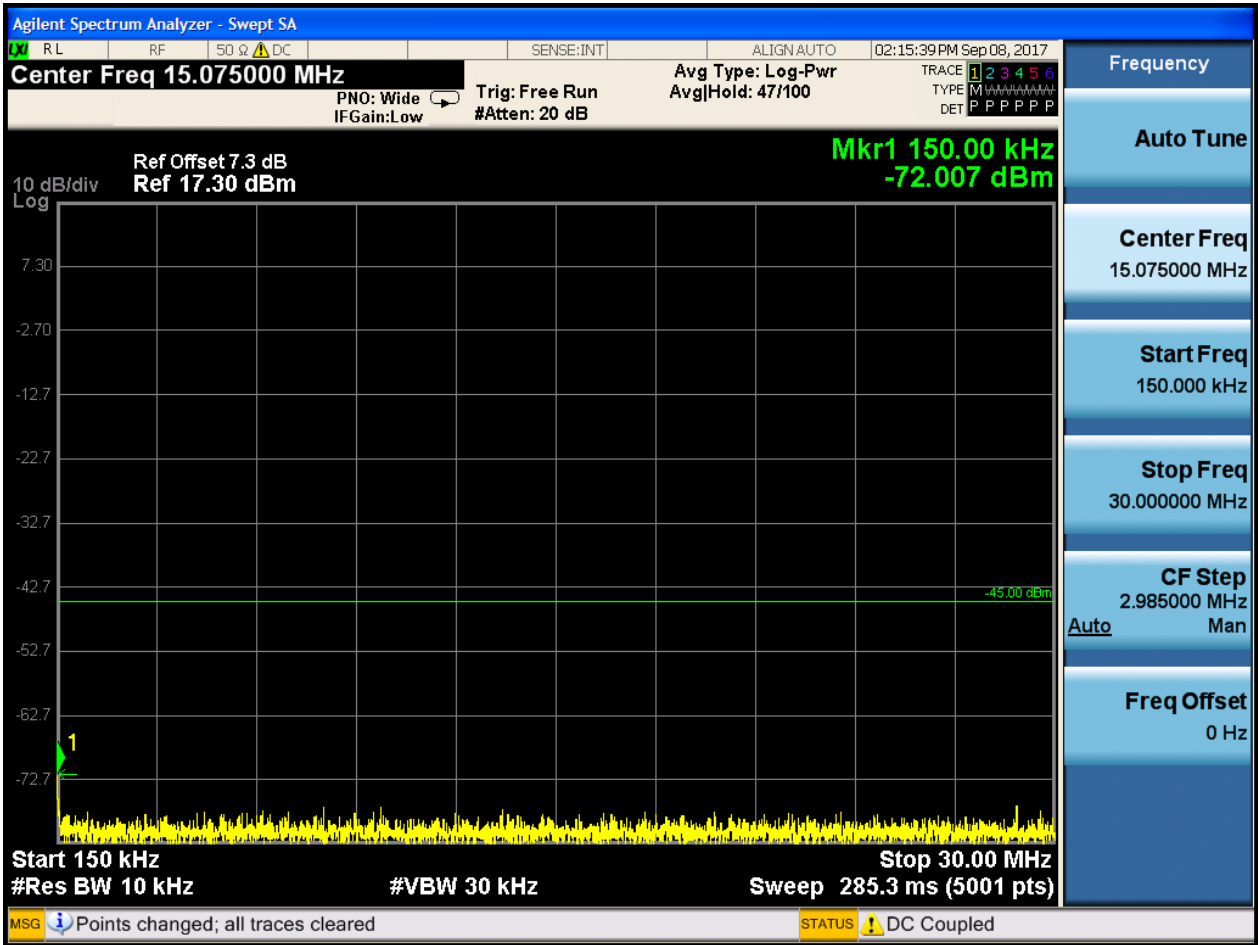


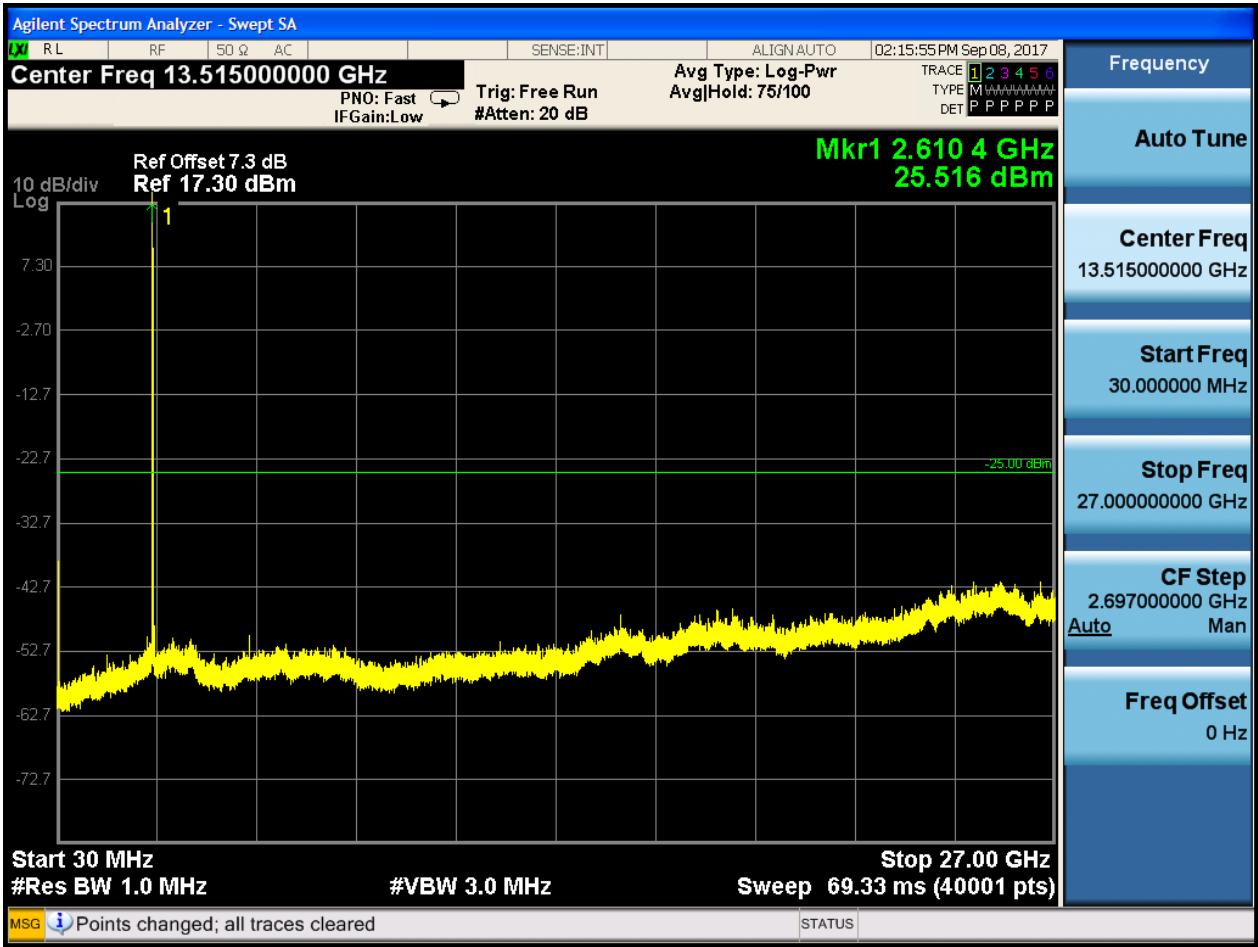


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





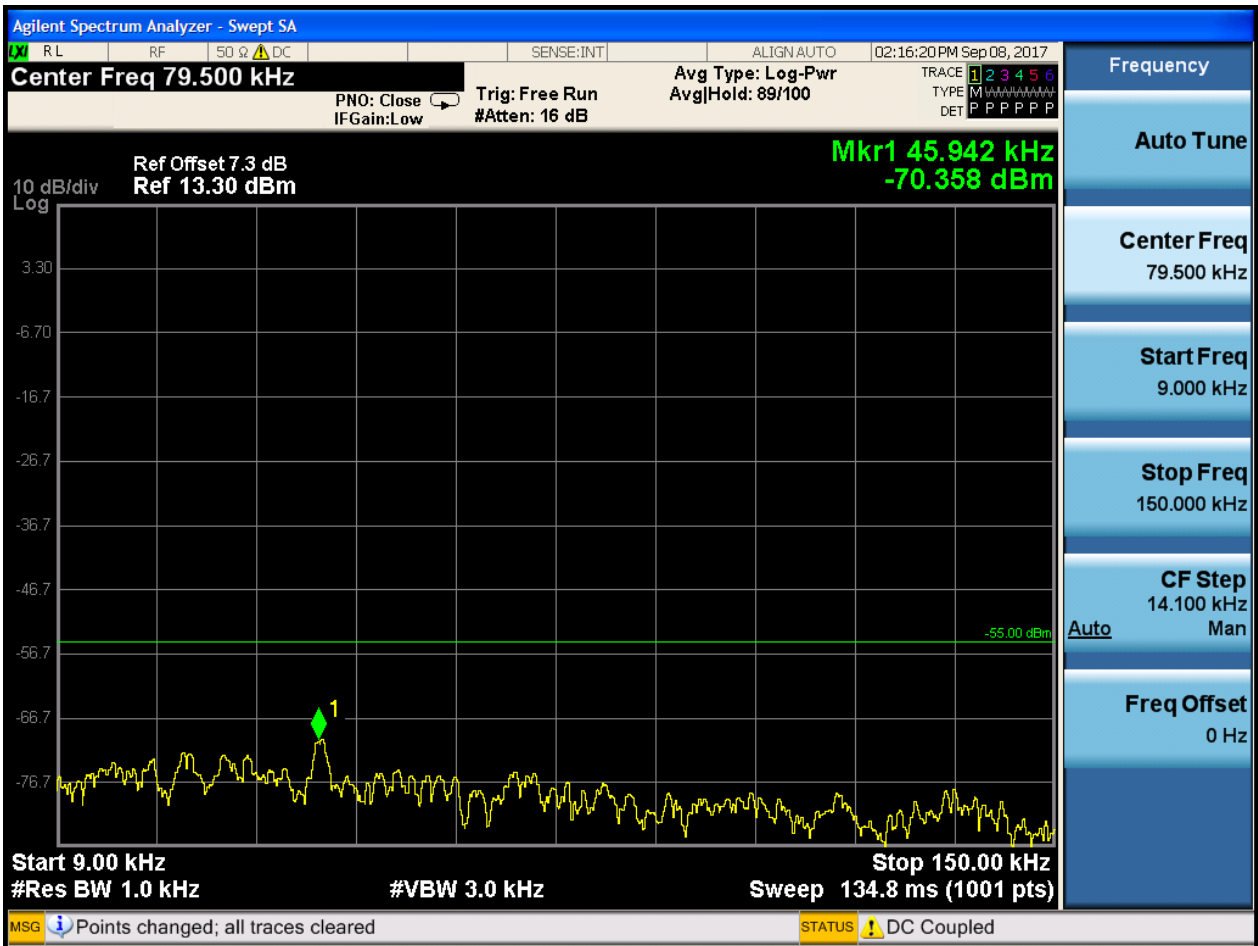


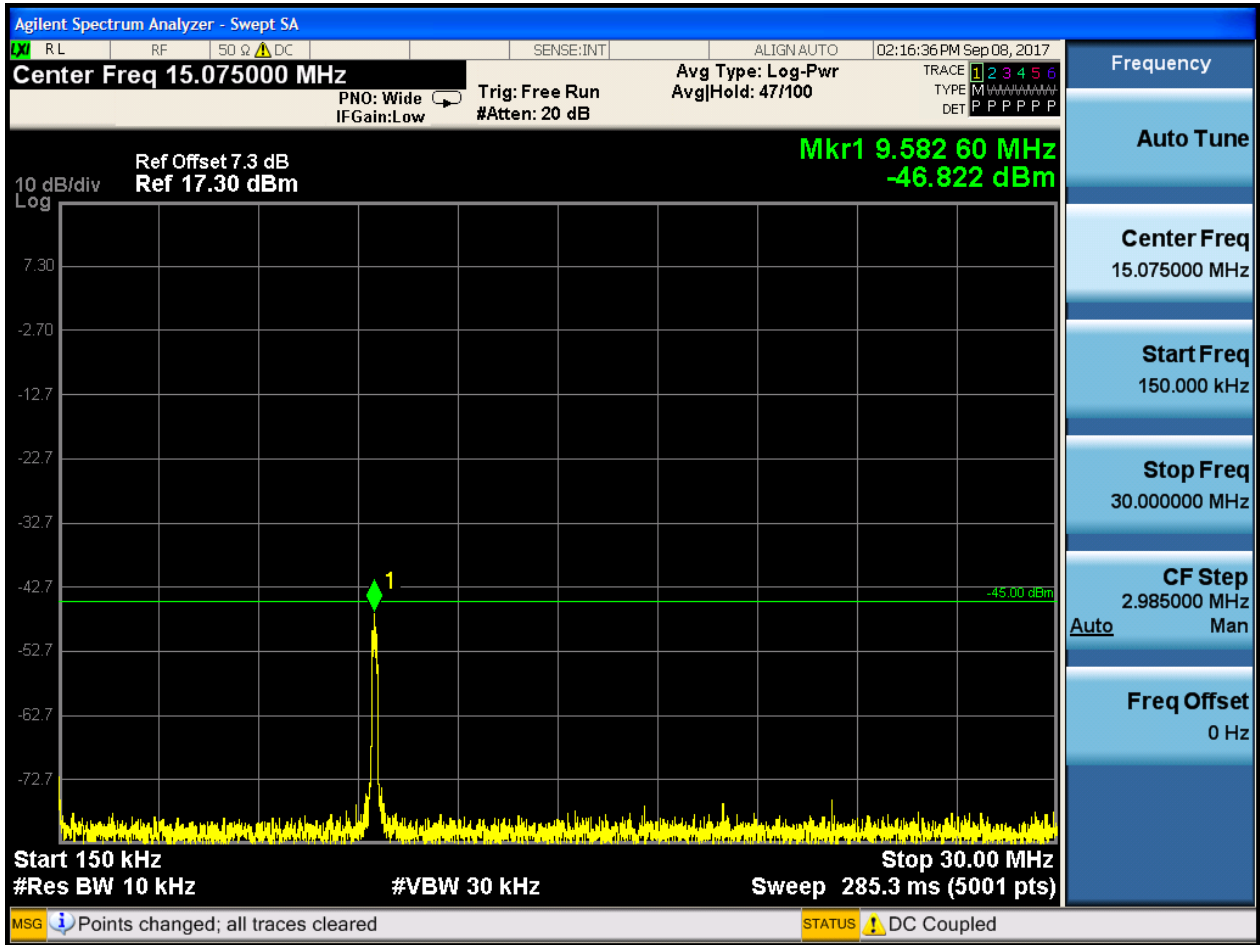


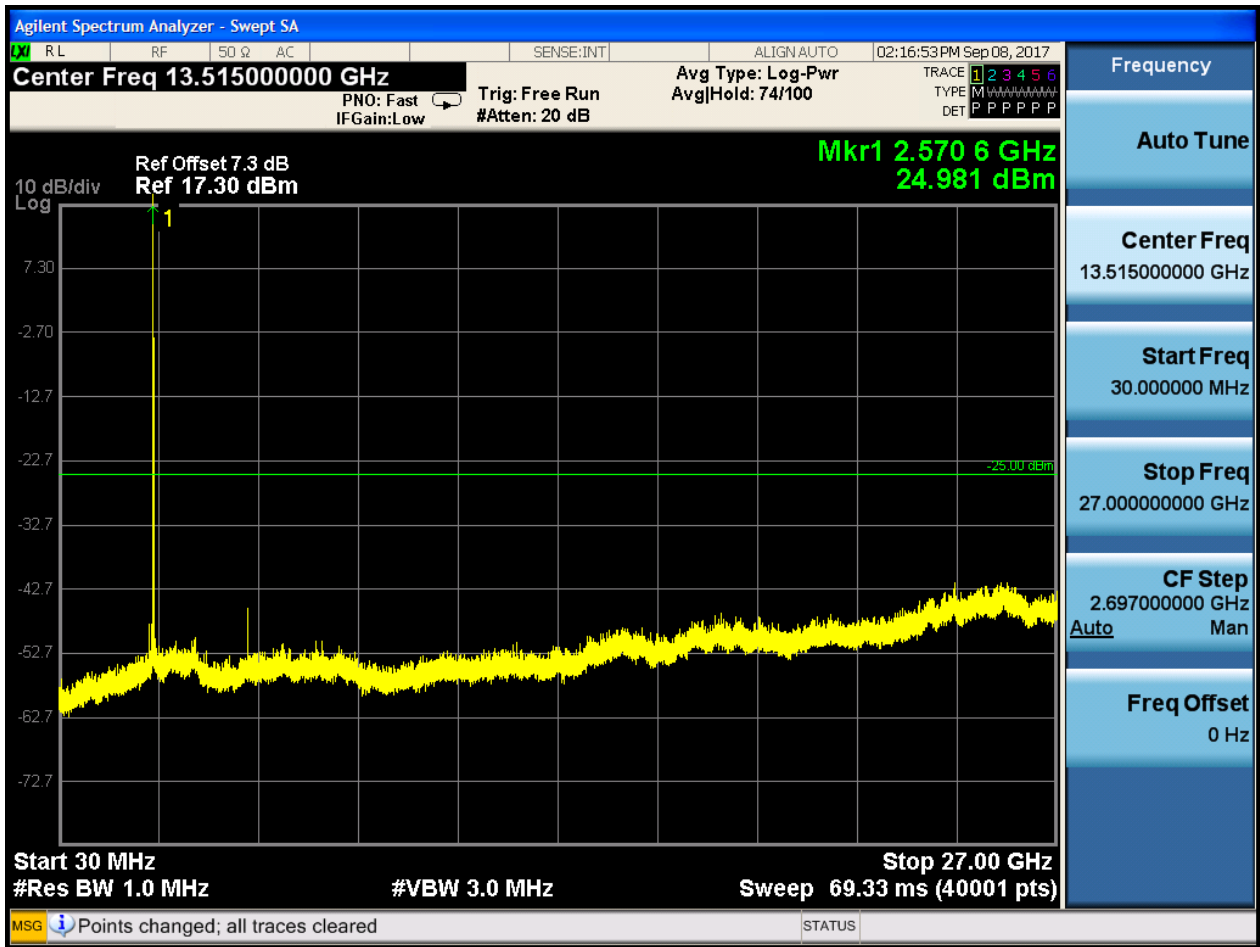
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



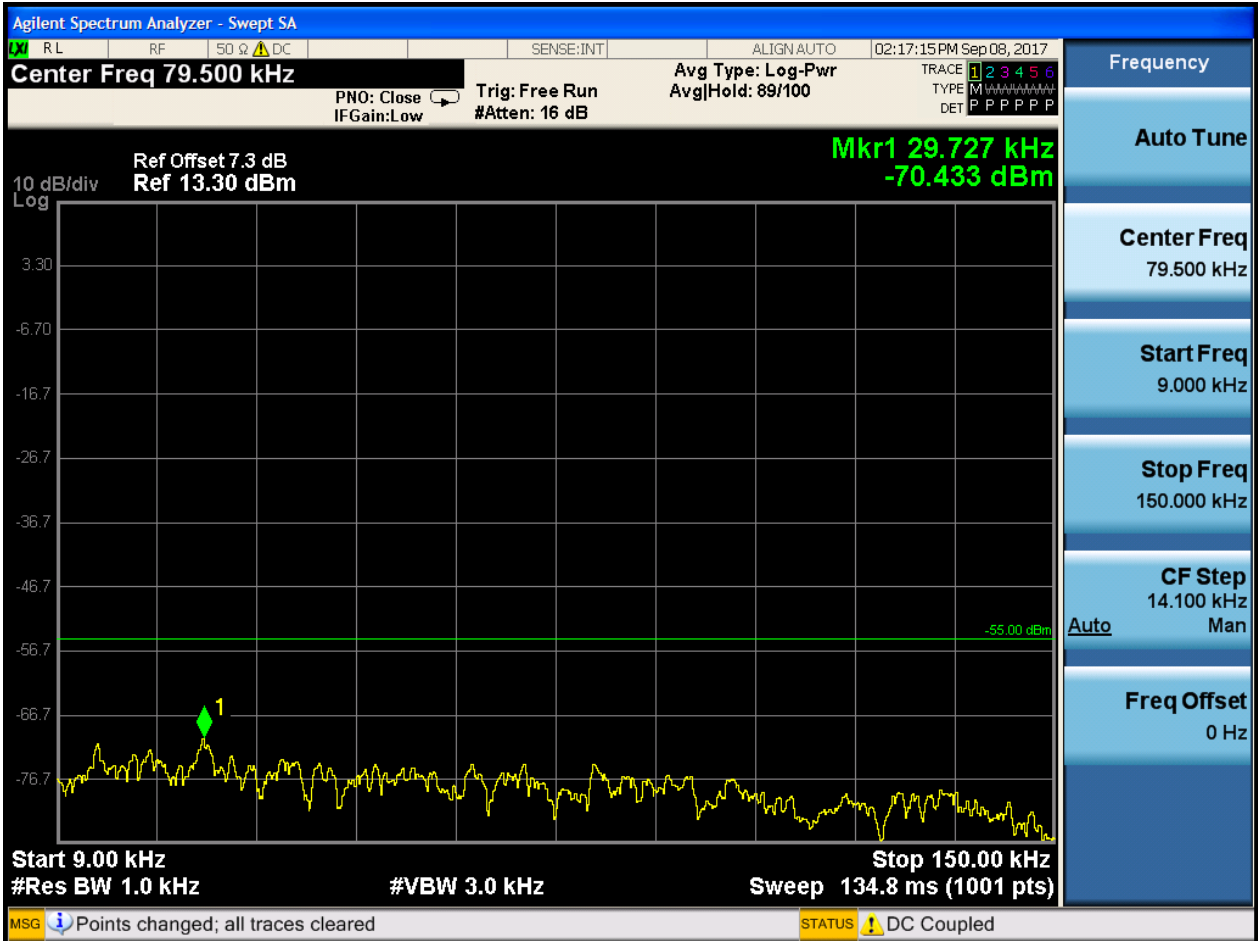






6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

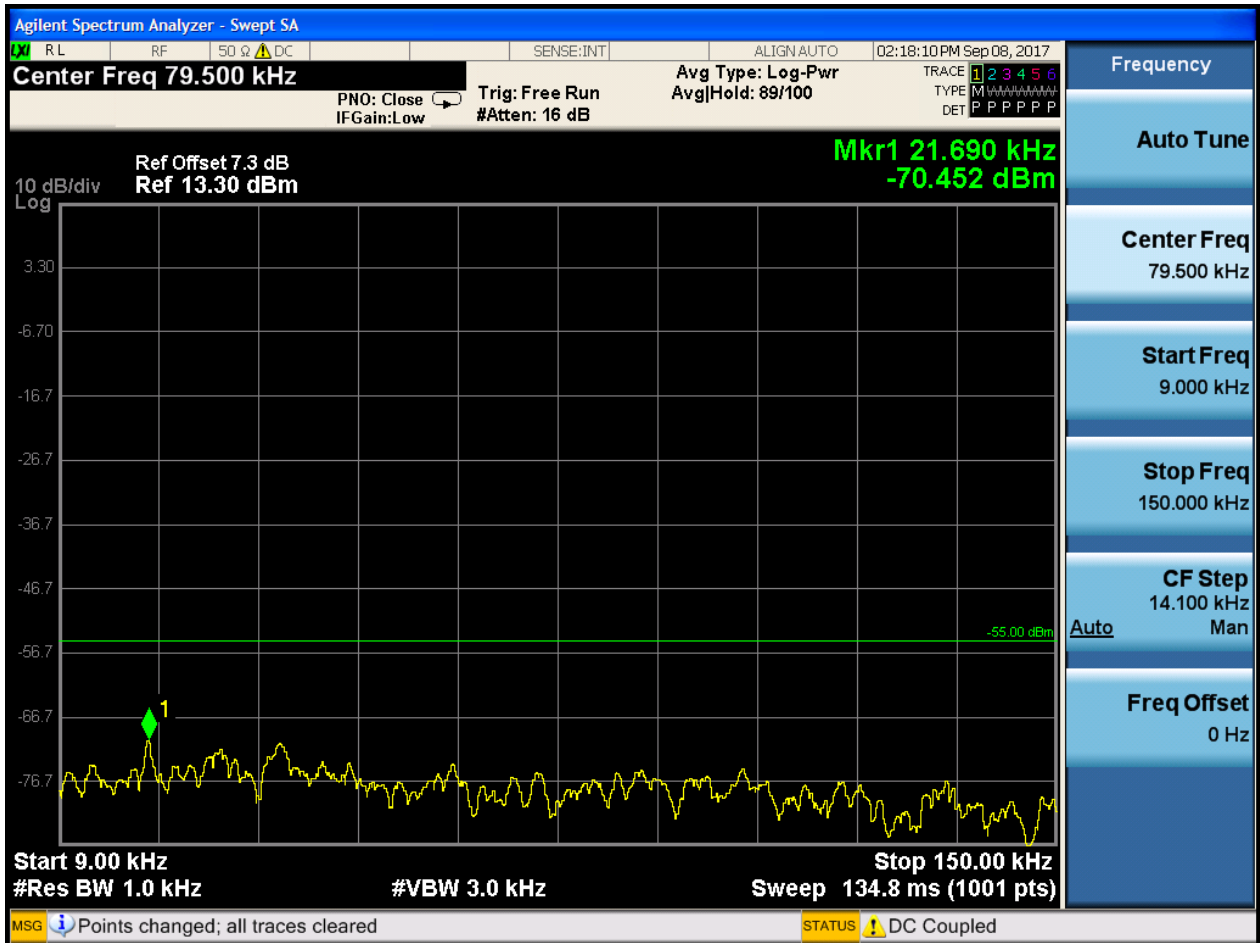


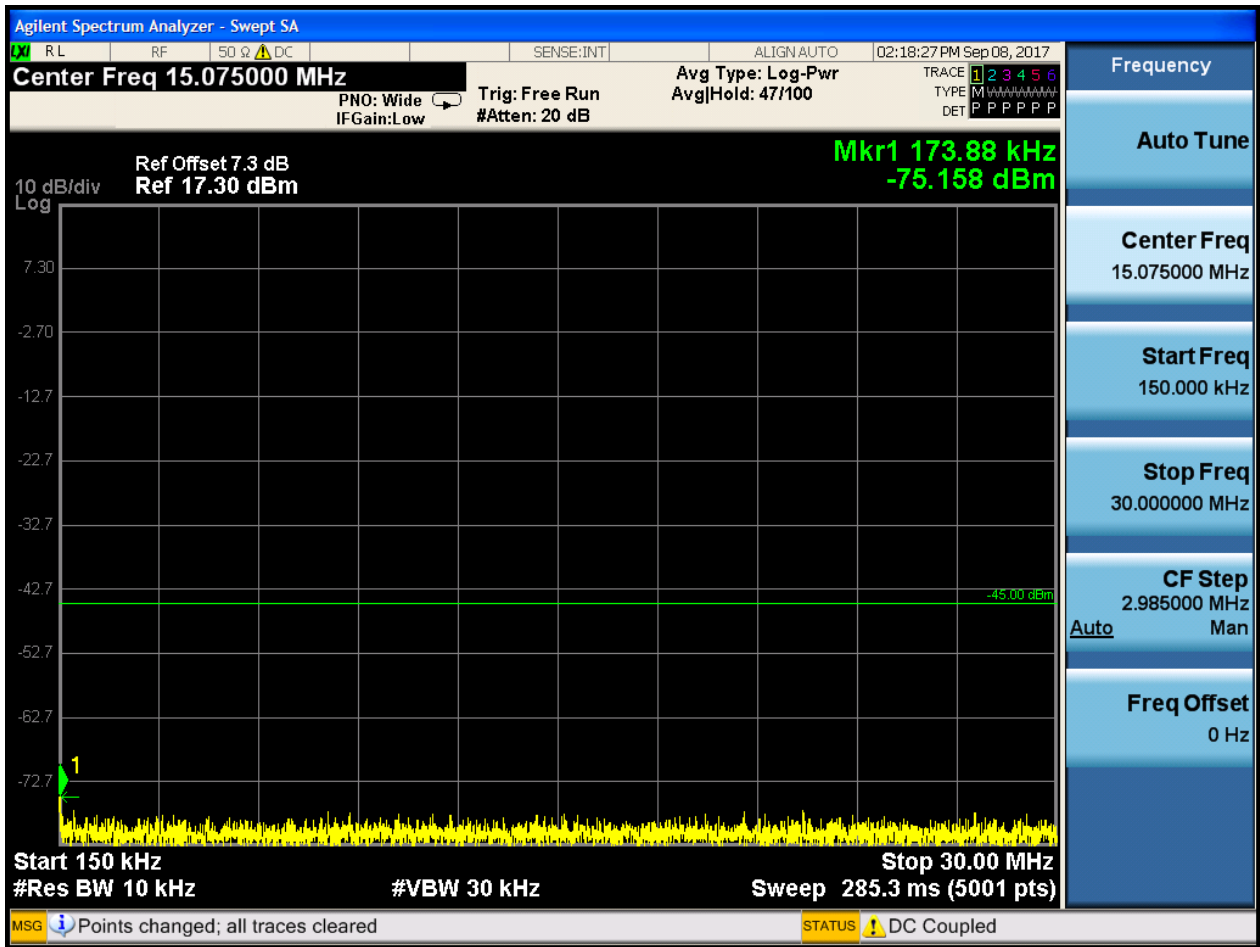


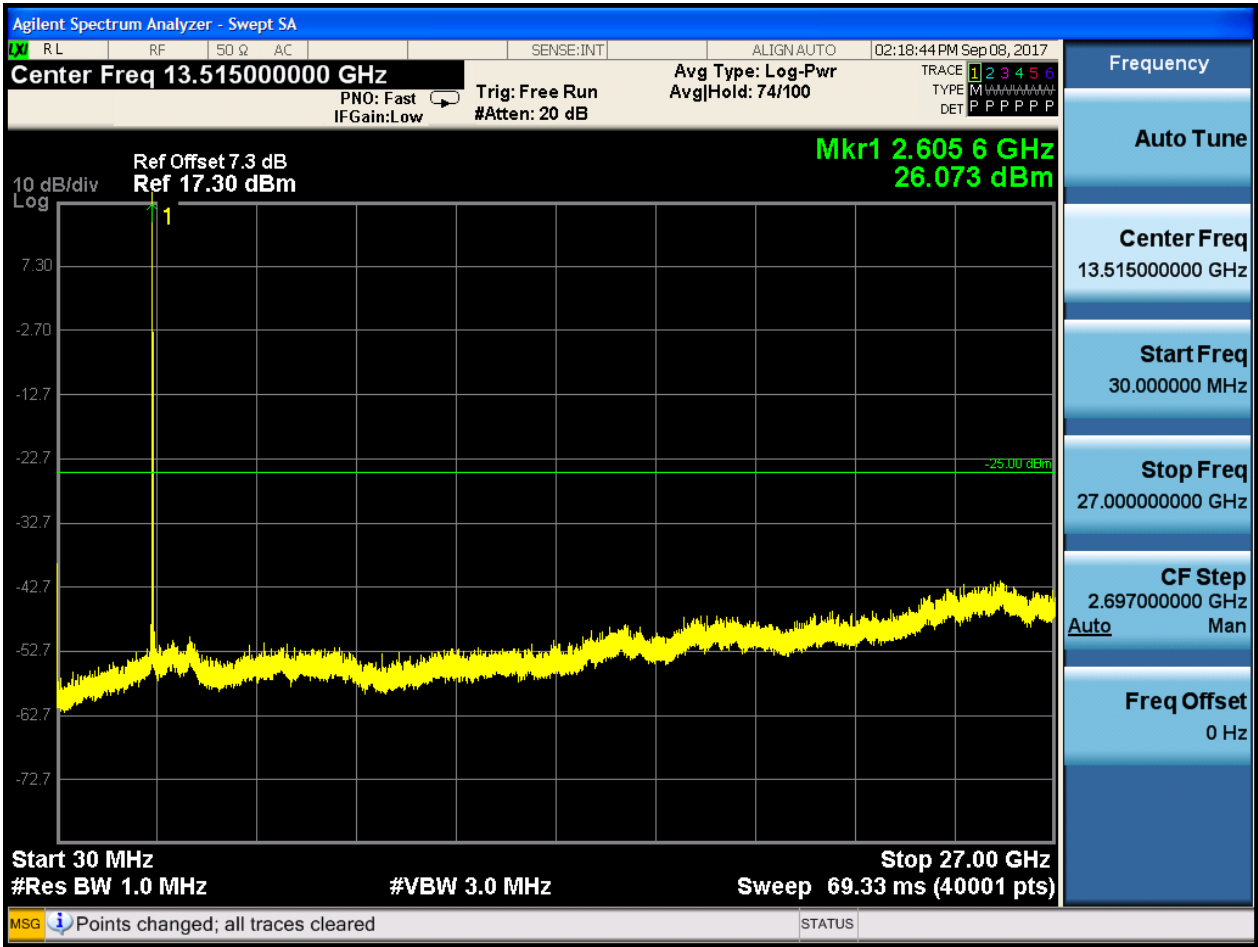


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





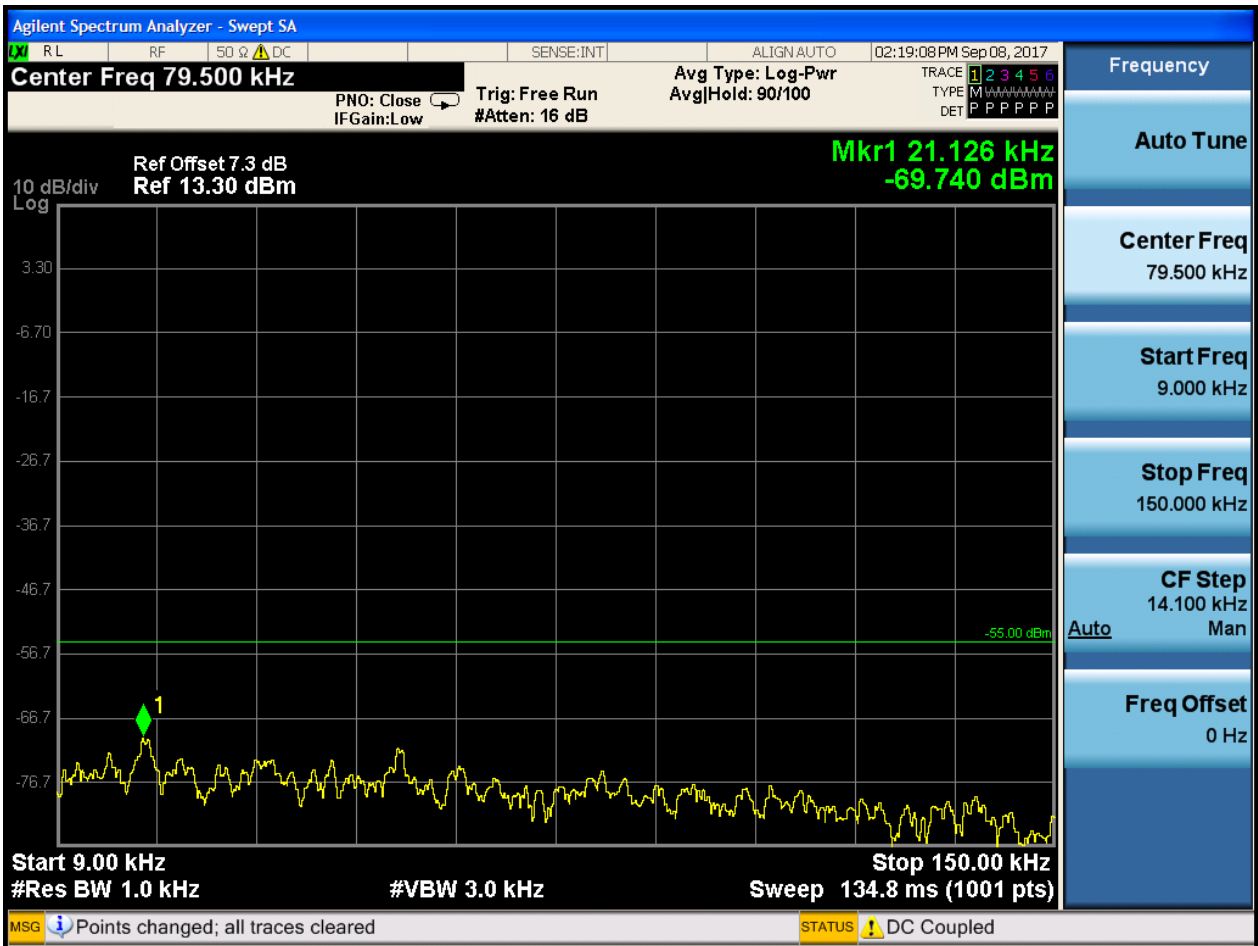


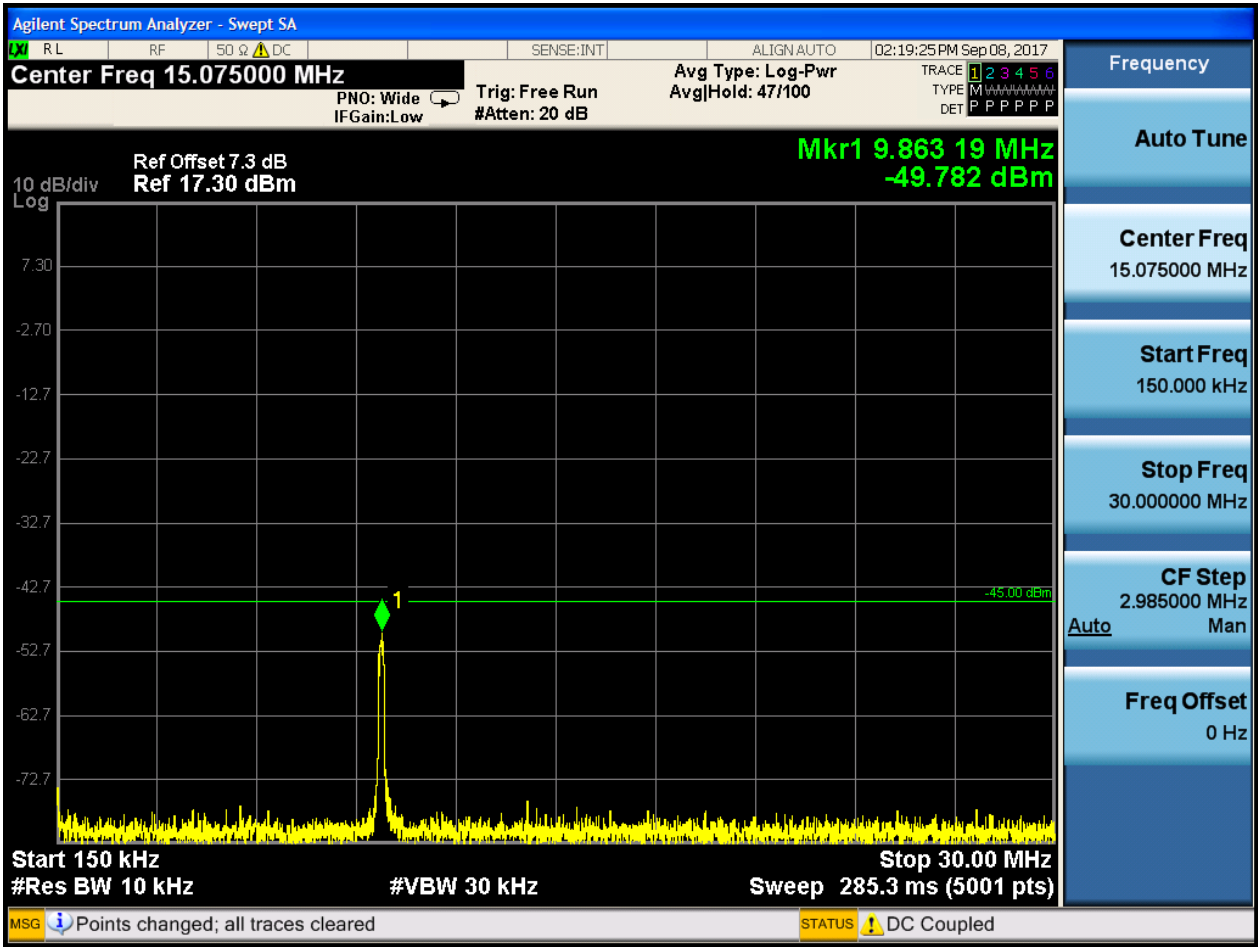


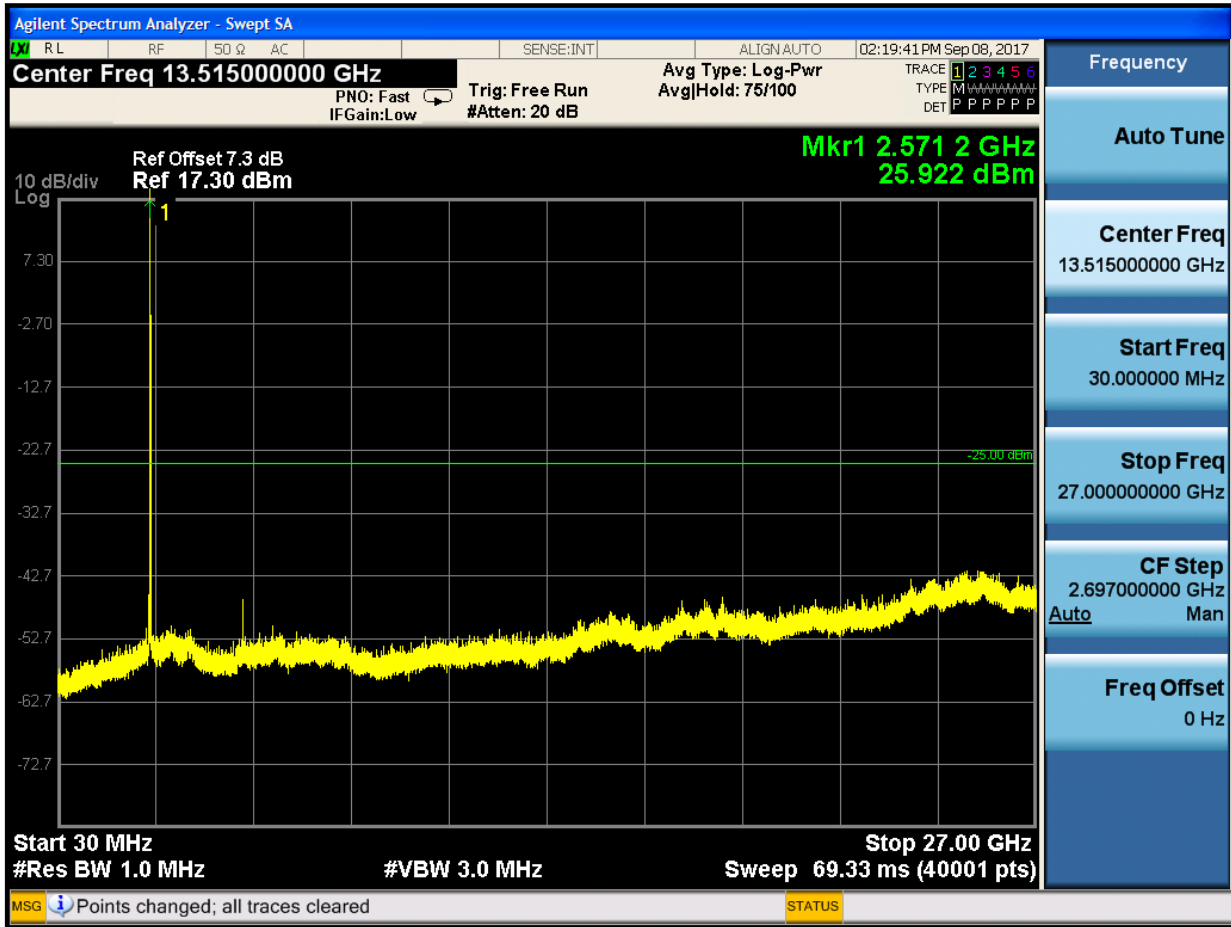
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



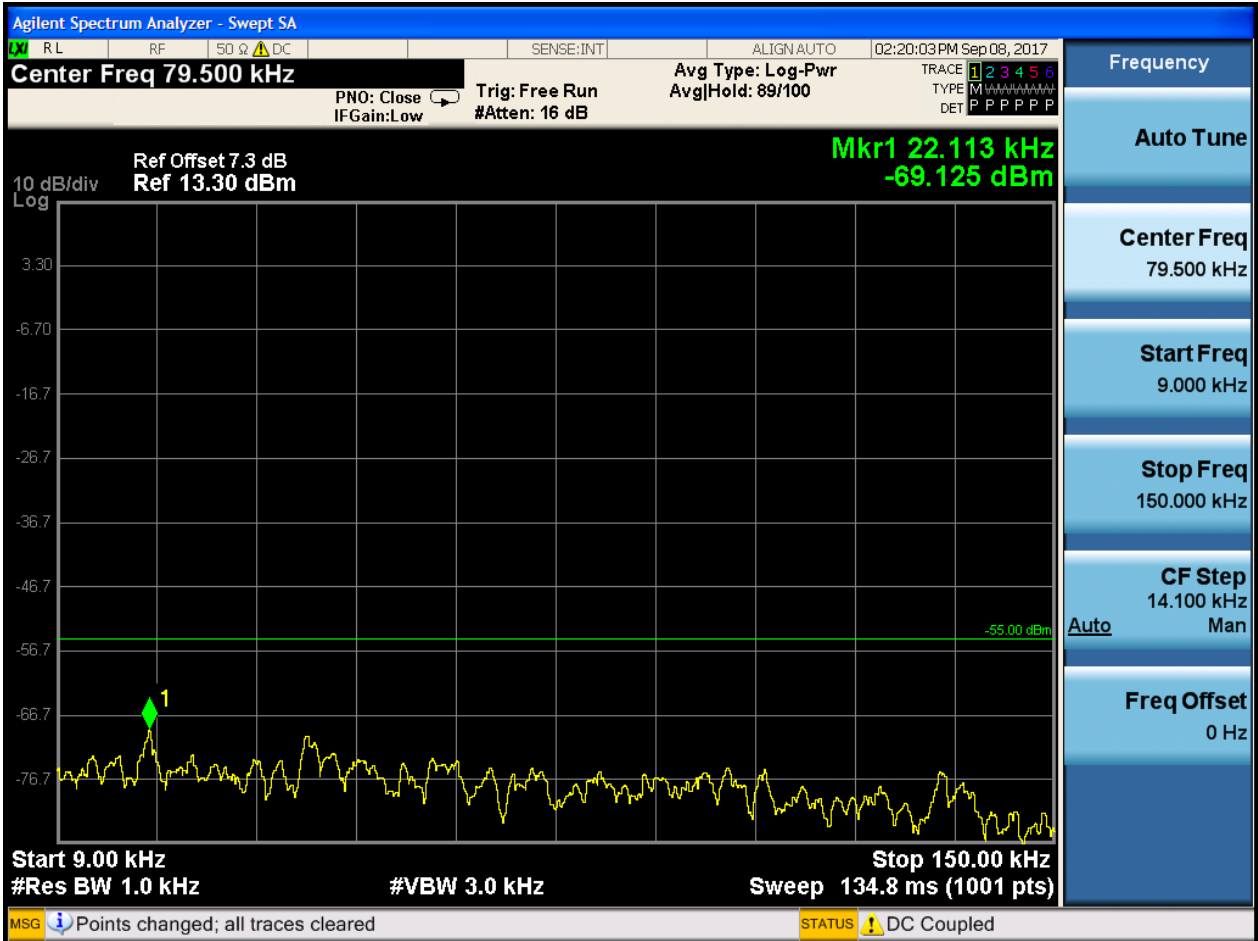


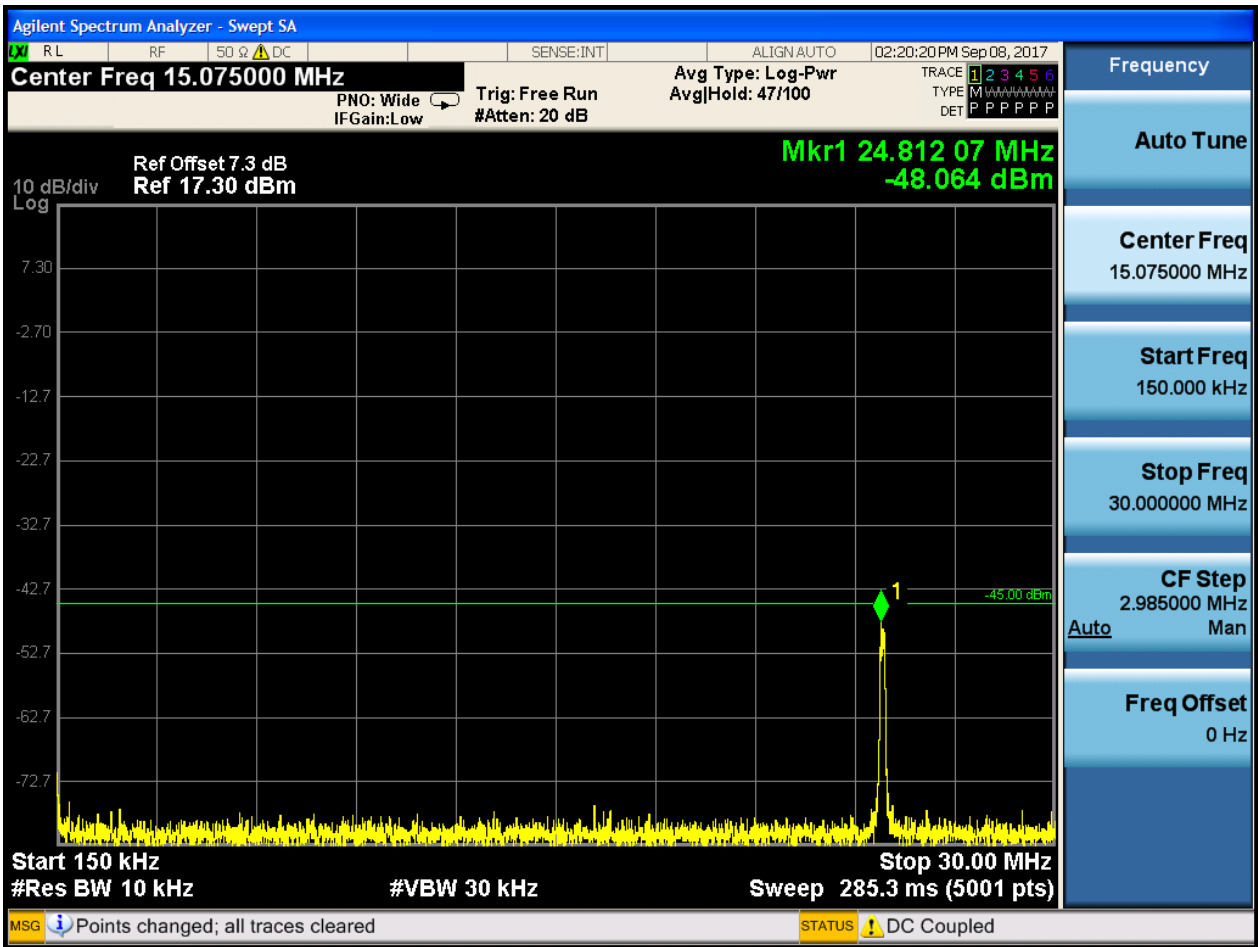


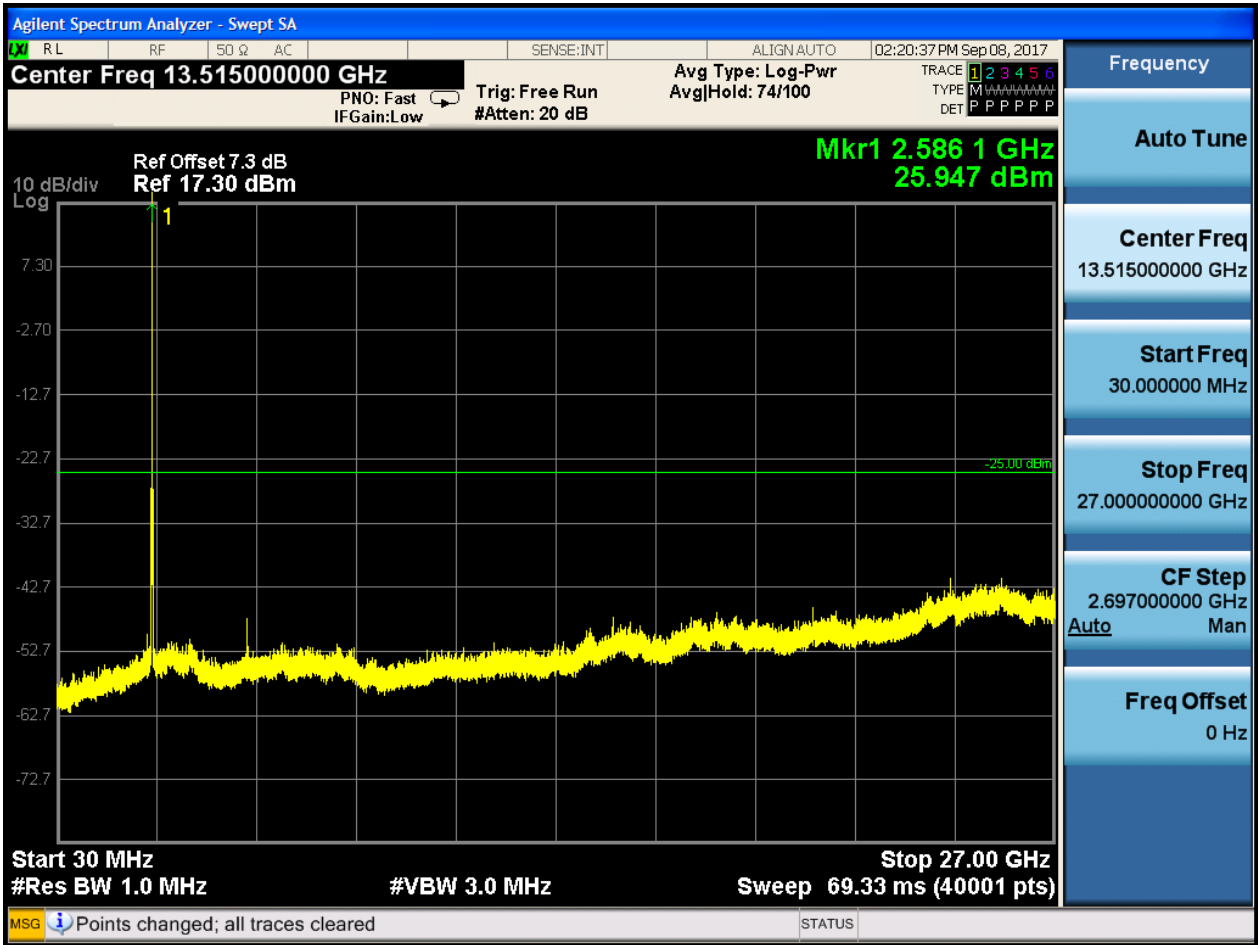


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





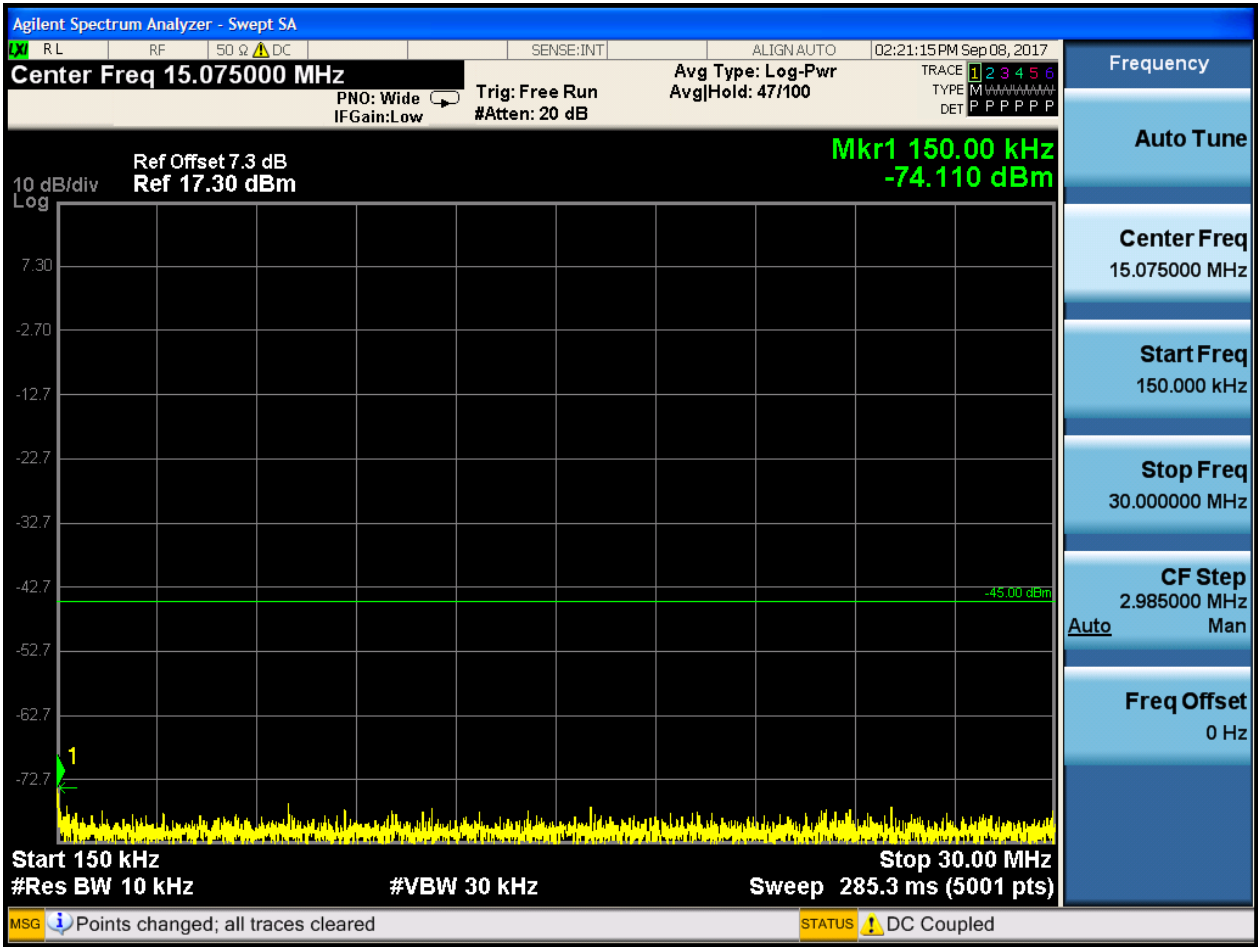


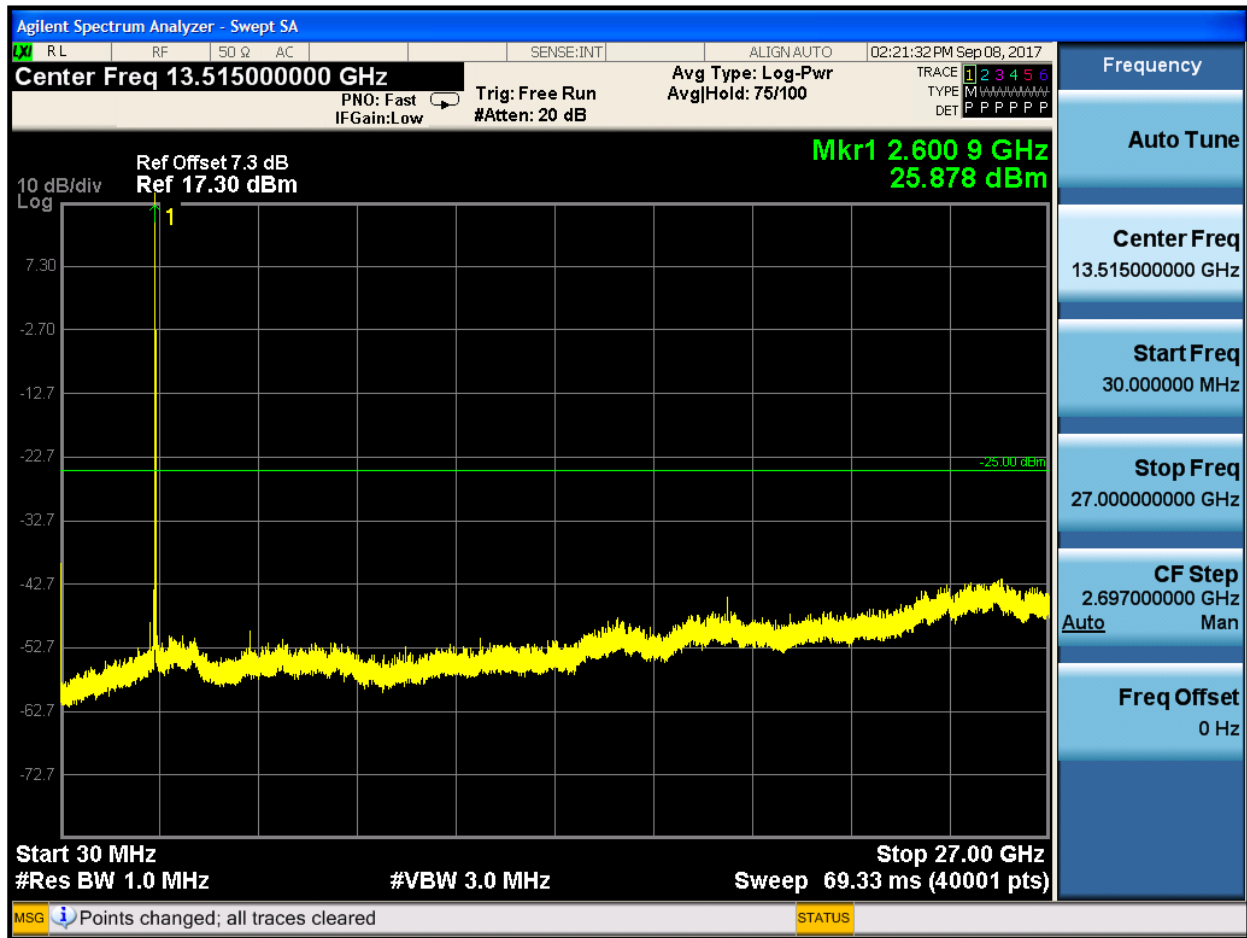


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

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

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

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

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

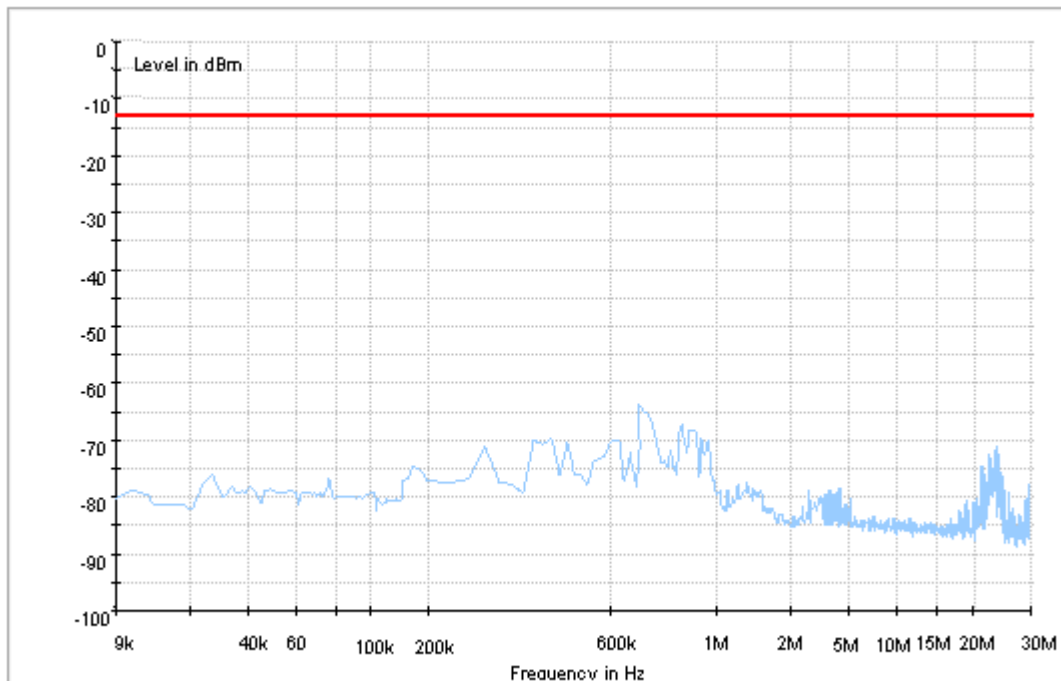
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

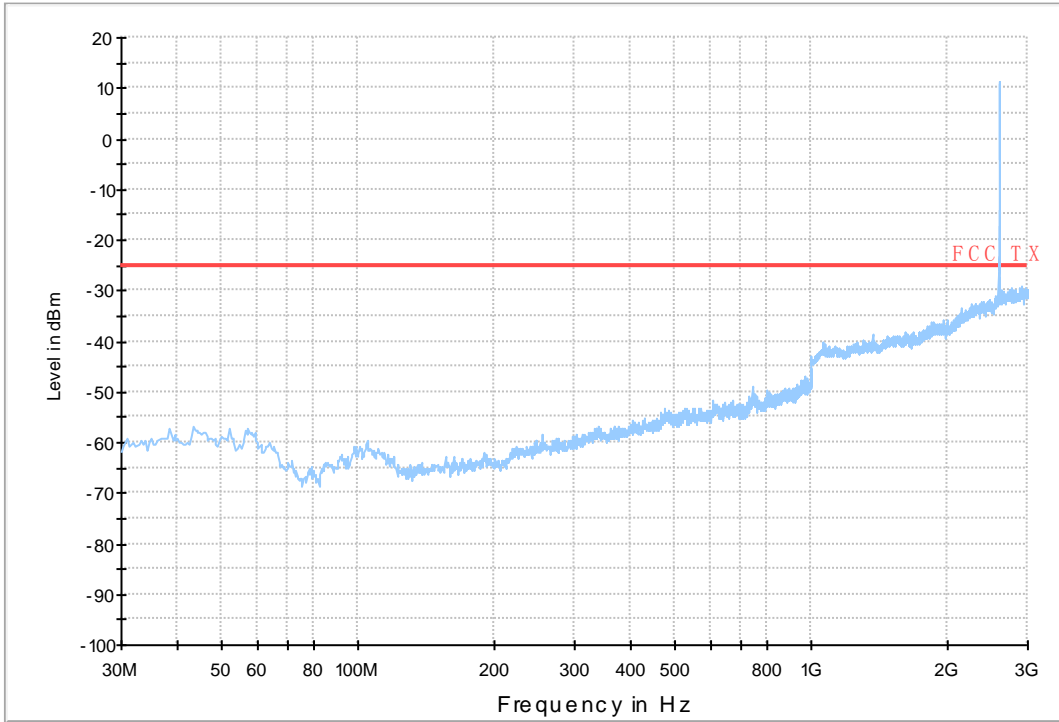
7.1 For LTE

7.1.1 Test Band = BAND38_Ant1

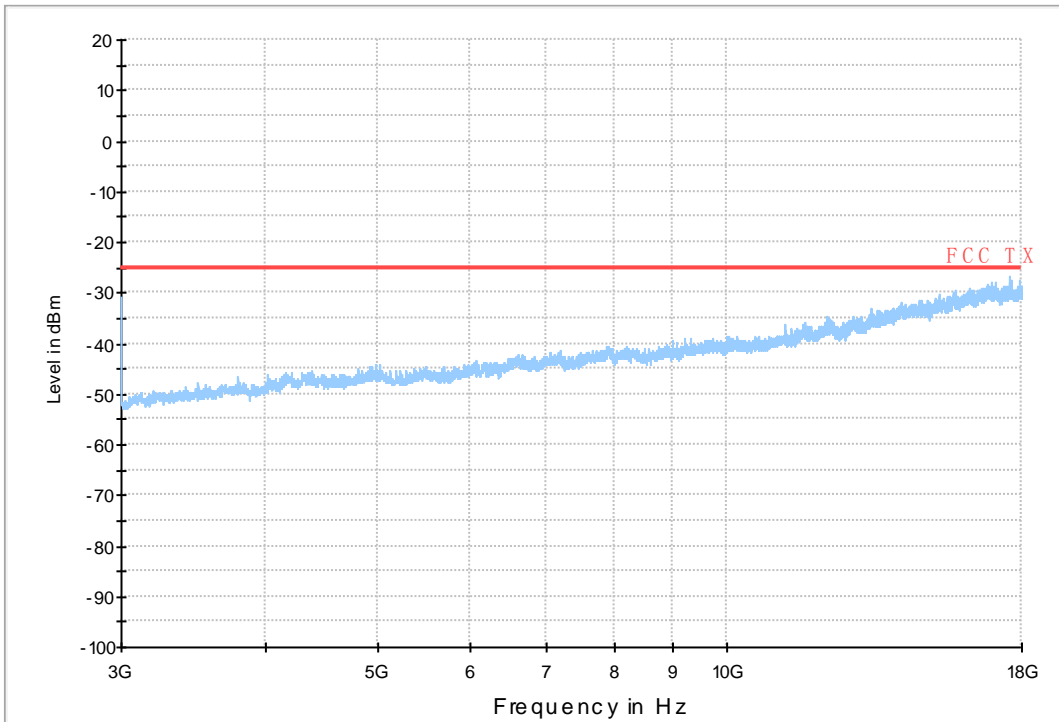
7.1.1.1 Test Bandwidth = 5

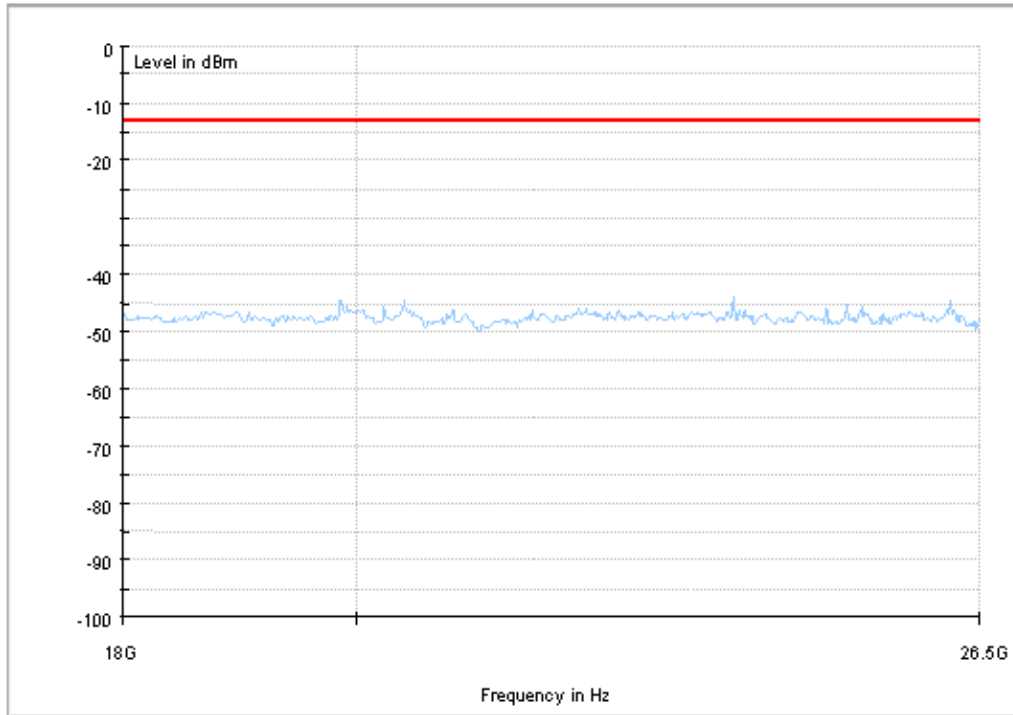


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

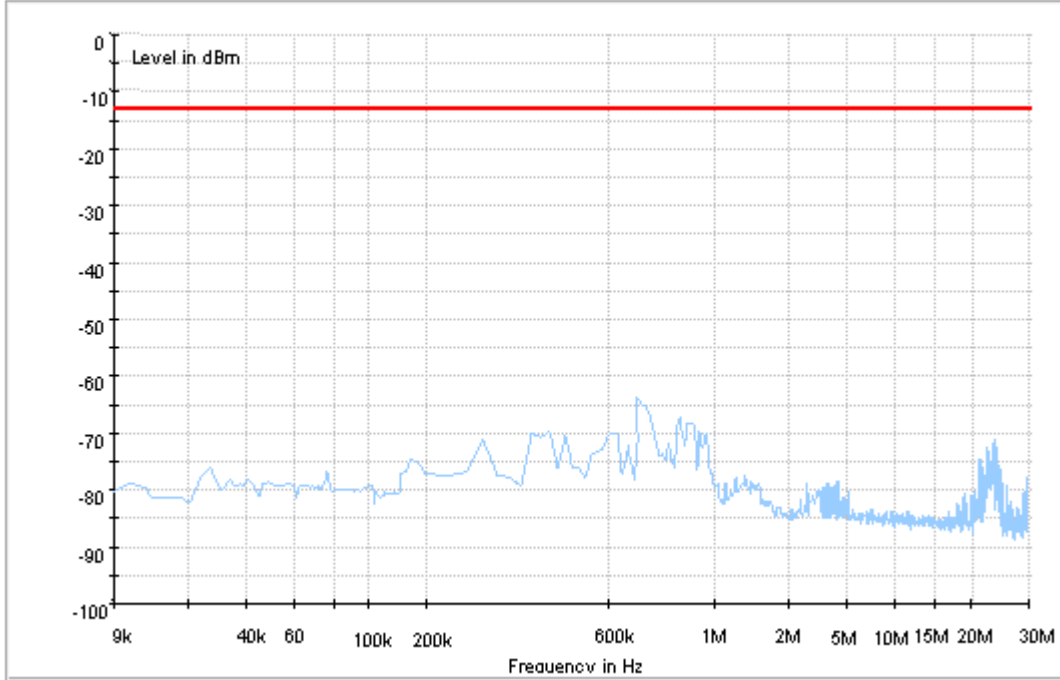


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

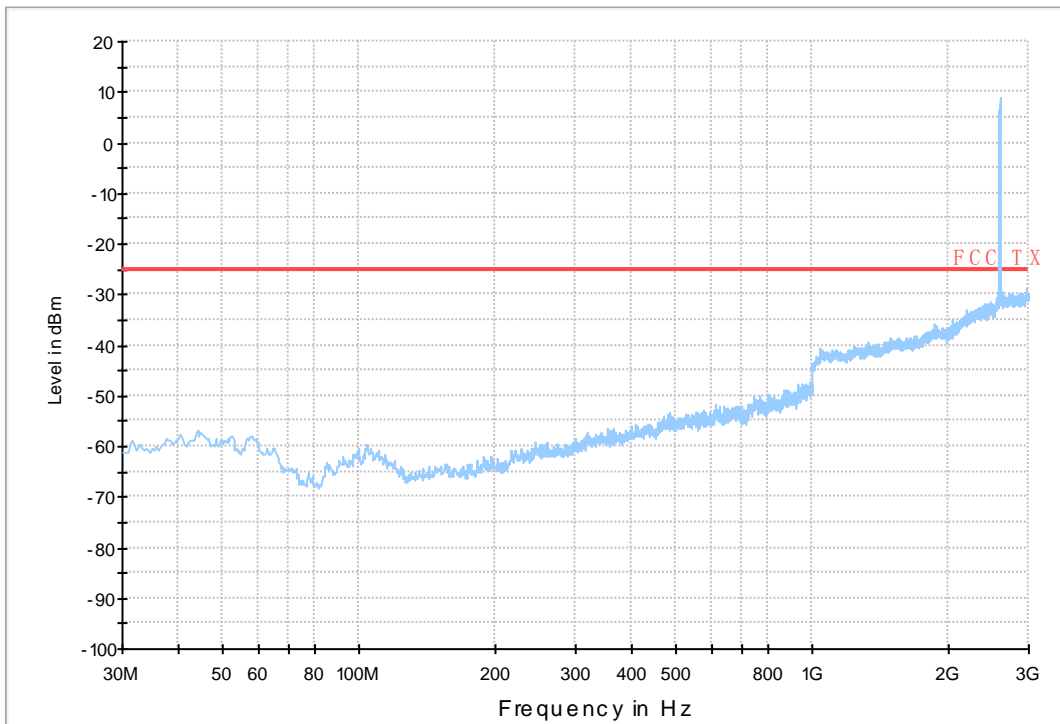




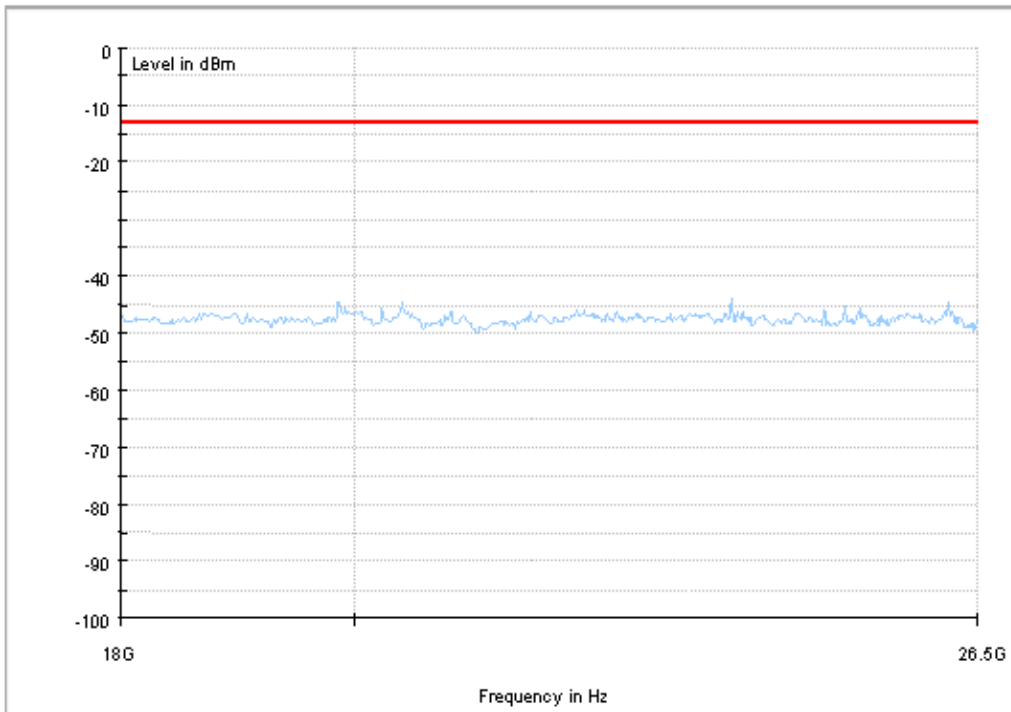
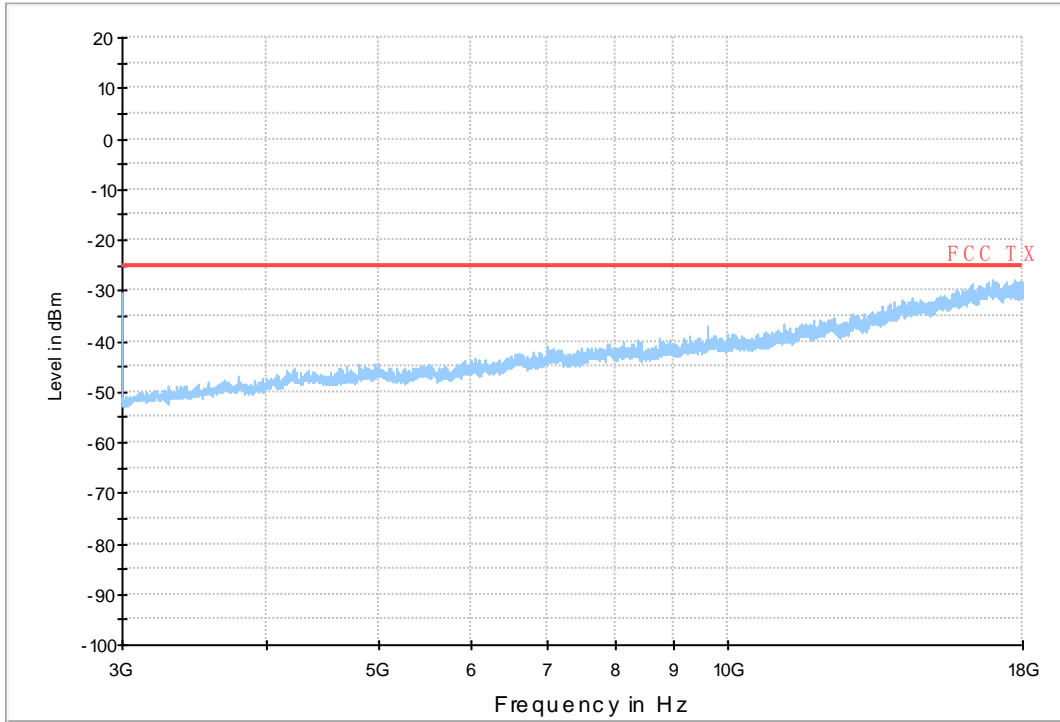
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

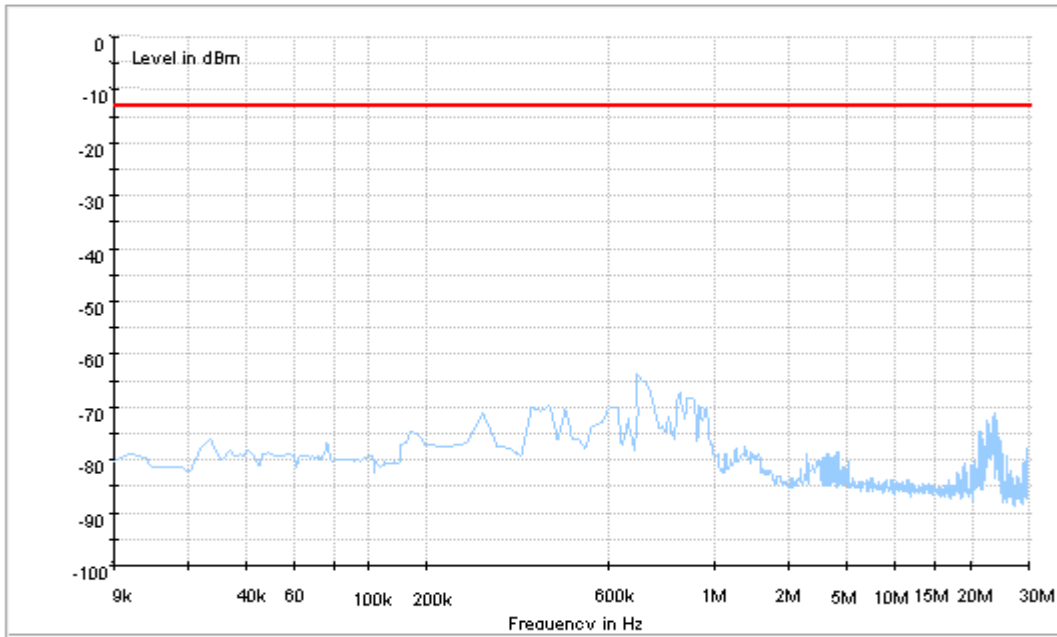


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

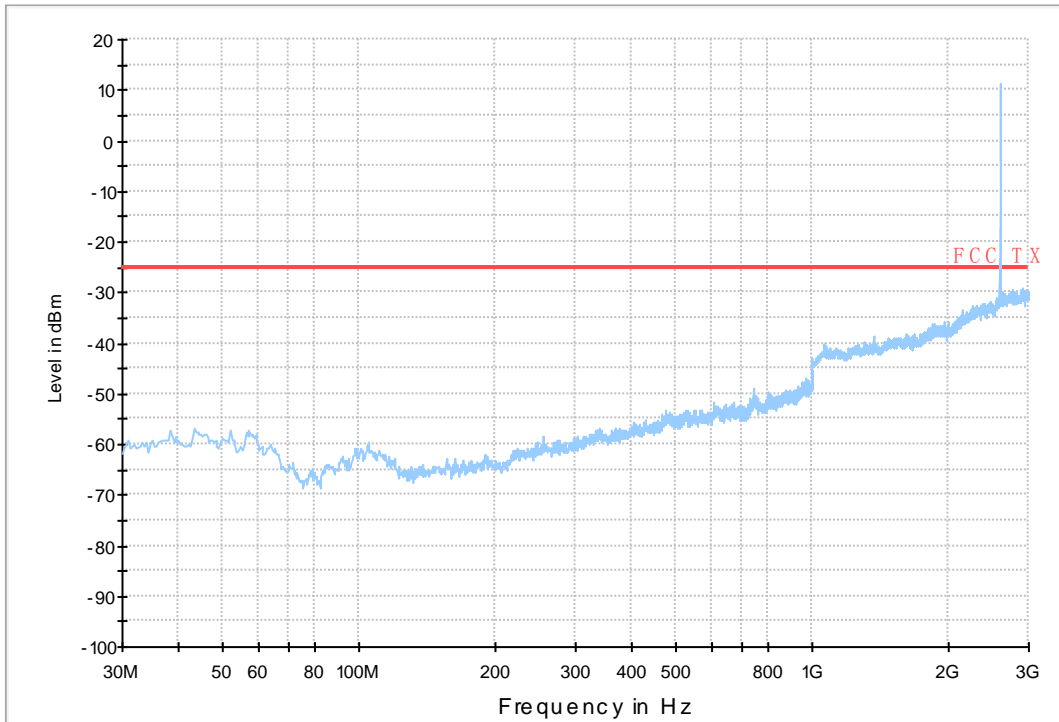


7.1.2 Test Band = BAND38_Ant2

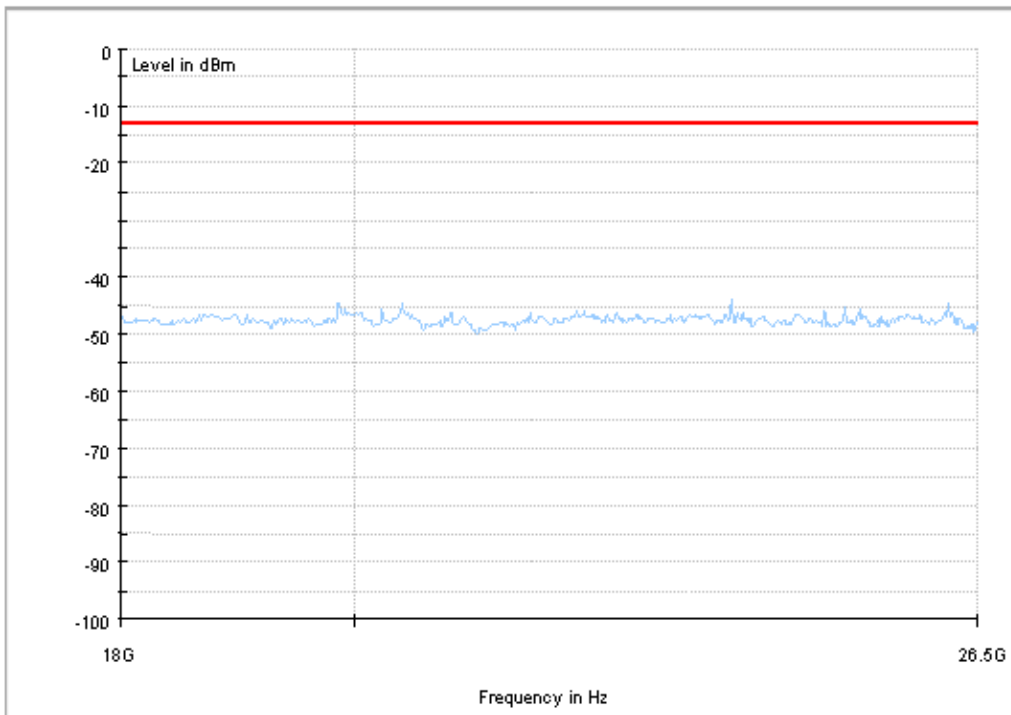
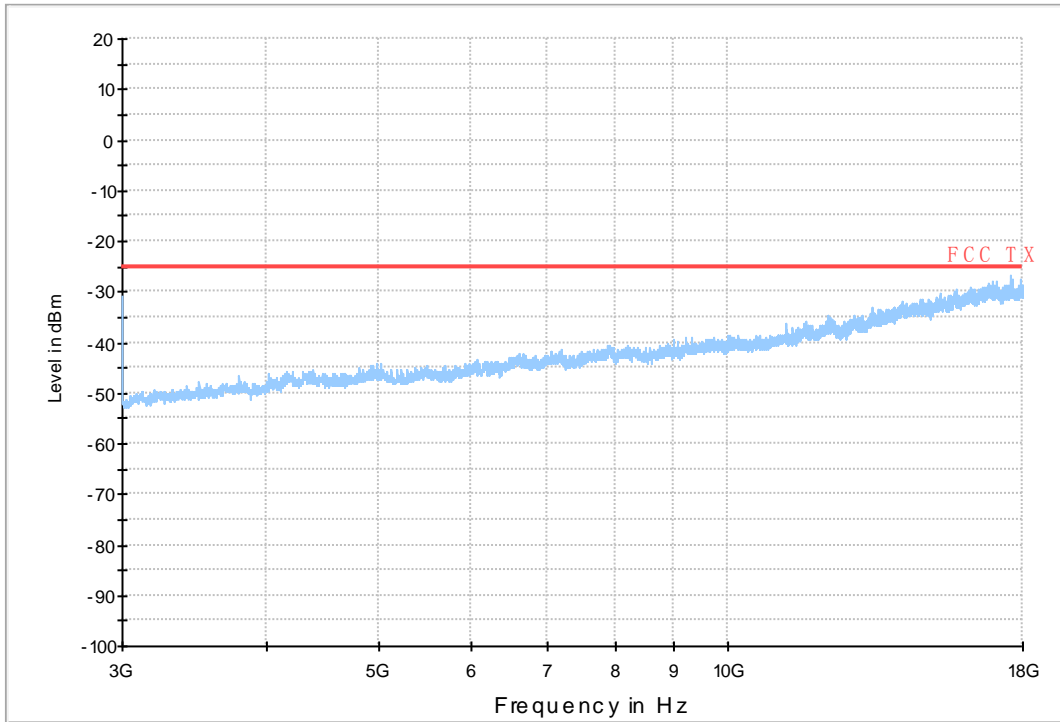
7.1.2.1 Test Bandwidth = 5



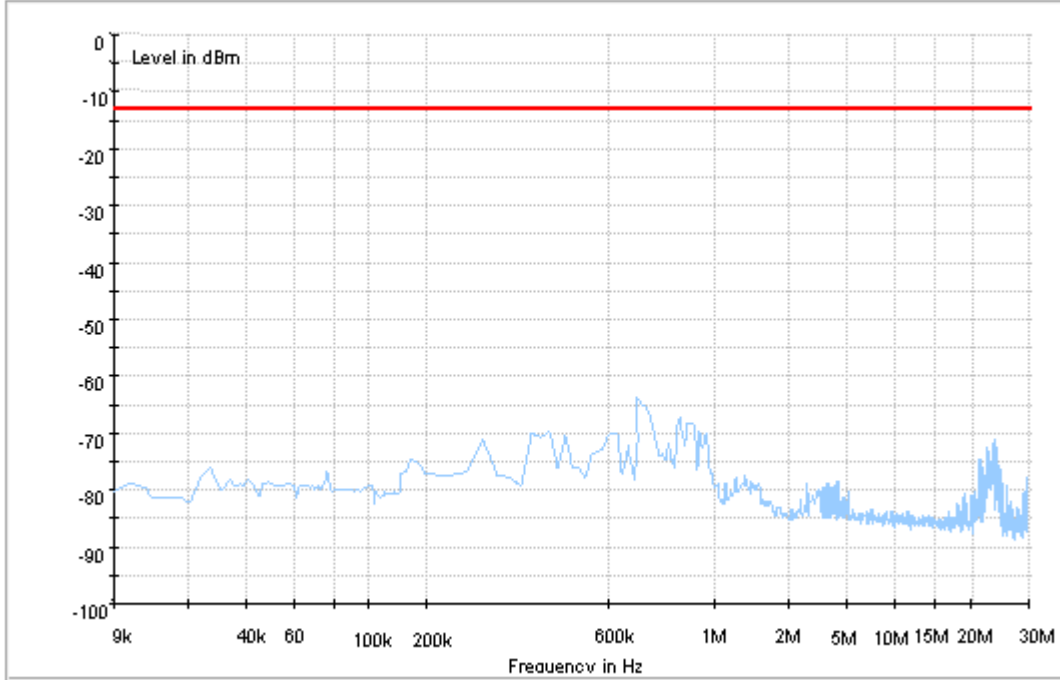
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



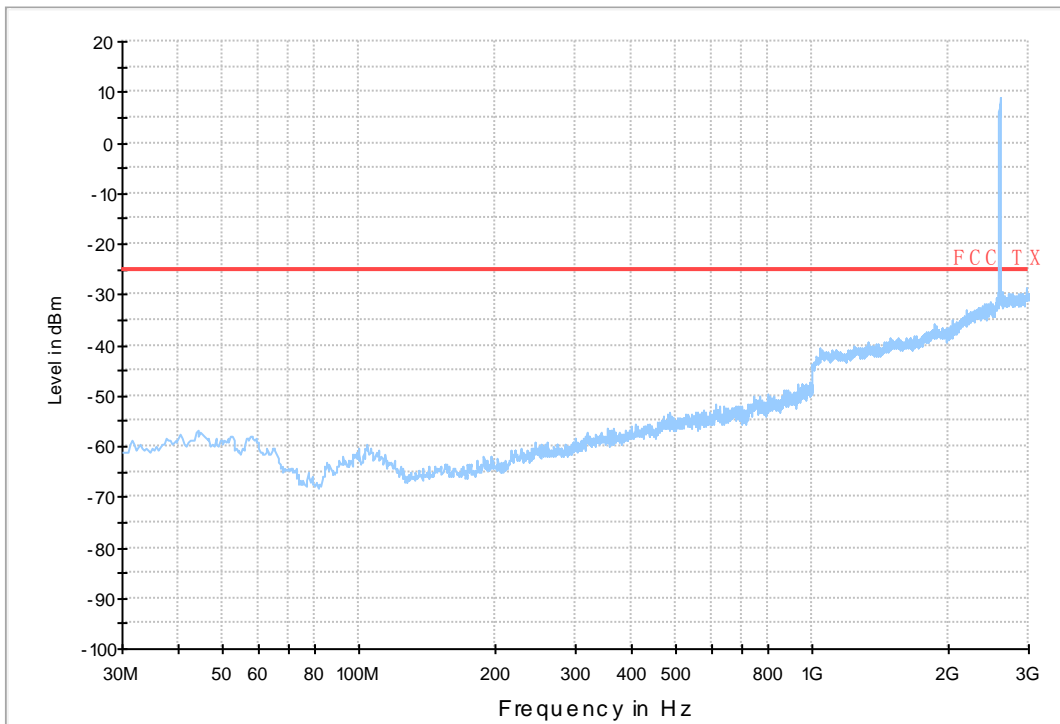
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



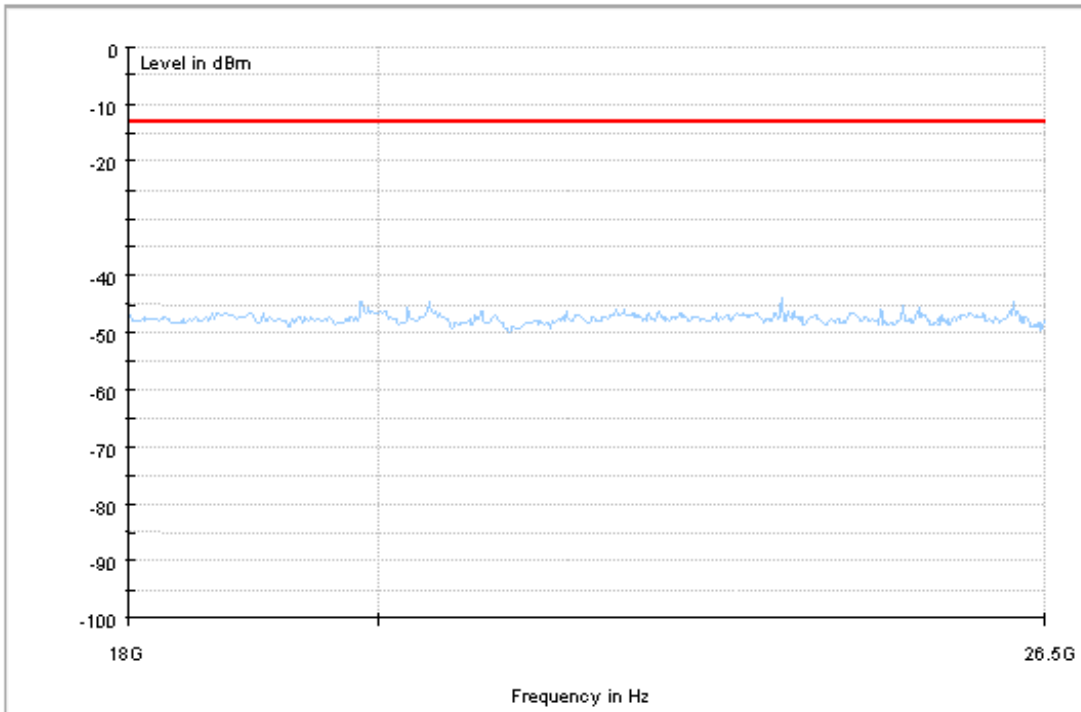
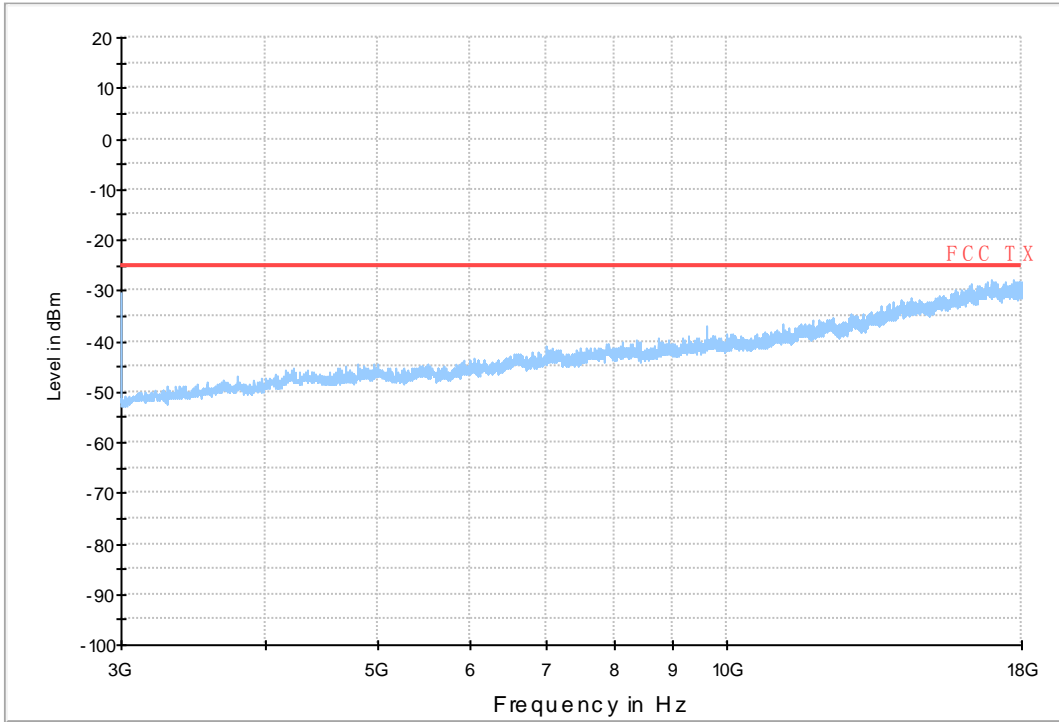
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_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 |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| BAND38 | LTE/TM1 | 5 | LCH | TN | VL | -24.93 | -0.00969 | PASS |
| | | | | | VN | -24.23 | -0.00942 | PASS |
| | | | | | VH | -18.28 | -0.00711 | PASS |
| | | | MCH | TN | VL | -18.4 | -0.00709 | PASS |
| | | | | | VN | -18.05 | -0.00696 | PASS |
| | | | | | VH | -12.66 | -0.00488 | PASS |
| | | | HCH | TN | VL | -24.16 | -0.00923 | PASS |
| | | | | | VN | -24.19 | -0.00924 | PASS |
| | | | | | VH | -18.22 | -0.00696 | PASS |
| | | 10 | LCH | TN | VL | -13.62 | -0.00529 | PASS |
| | | | | | VN | -17.52 | -0.0068 | PASS |
| | | | | | VH | -19.21 | -0.00746 | PASS |
| | | | MCH | TN | VL | -19.43 | -0.00749 | PASS |
| | | | | | VN | -21.73 | -0.00837 | PASS |
| | | | | | VH | -20.87 | -0.00804 | PASS |
| | | | HCH | TN | VL | -15.41 | -0.00589 | PASS |
| | | | | | VN | -23.73 | -0.00907 | PASS |
| | | | | | VH | -21.96 | -0.0084 | PASS |
| | | 15 | LCH | TN | VL | -14.29 | -0.00554 | PASS |
| | | | | | VN | -16.62 | -0.00645 | PASS |
| | | | | | VH | -16.92 | -0.00656 | PASS |
| | | | MCH | TN | VL | -18.48 | -0.00712 | PASS |
| | | | | | VN | -21.79 | -0.0084 | PASS |
| | | | | | VH | -21.03 | -0.0081 | PASS |
| | | | HCH | TN | VL | -18.11 | -0.00693 | PASS |
| | | | | | VN | -15.46 | -0.00592 | PASS |
| | | | | | VH | -18.4 | -0.00704 | PASS |
| | | 20 | LCH | TN | VL | -21.57 | -0.00836 | PASS |
| | | | | | VN | -16.12 | -0.00625 | PASS |
| | | | | | VH | -21.62 | -0.00838 | PASS |
| | | | MCH | TN | VL | -21.73 | -0.00837 | PASS |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|------|
| | | | HCH | TN | VN | -17.14 | -0.00661 | PASS | |
| | | | | | VH | -23.15 | -0.00892 | PASS | |
| | | | | | VL | -15.96 | -0.00611 | PASS | |
| | | | HCH | TN | VN | -15.71 | -0.00602 | PASS | |
| | | | | | VH | -19.9 | -0.00762 | PASS | |
| | | | | | VL | -17.98 | -0.00699 | PASS | |
| | LTE/TM2 | 5 | LCH | TN | VN | -17.45 | -0.00678 | PASS | |
| | | | | | VH | -18.64 | -0.00725 | PASS | |
| | | | | | VL | -22.02 | -0.00849 | PASS | |
| | | | MCH | TN | VN | -19.9 | -0.00767 | PASS | |
| | | | | | VH | -27.61 | -0.01064 | PASS | |
| | | | | | VL | -19.66 | -0.00751 | PASS | |
| | | | HCH | TN | VN | -15.16 | -0.00579 | PASS | |
| | | | | | VH | -19.56 | -0.00747 | PASS | |
| | | | | | VL | -13.1 | -0.00509 | PASS | |
| | | | 10 | LCH | TN | VN | -14.72 | -0.00572 | PASS |
| | | | | | | VH | -26.16 | -0.01016 | PASS |
| | | | | | | VL | -12.22 | -0.00471 | PASS |
| | | | | MCH | TN | VN | -19 | -0.00732 | PASS |
| | | | | | | VH | -18.42 | -0.0071 | PASS |
| | | | | | | VL | -22.99 | -0.00879 | PASS |
| | | | | HCH | TN | VN | -16.05 | -0.00614 | PASS |
| | | | | | | VH | -20.46 | -0.00782 | PASS |
| | | | | | | VL | -18.87 | -0.00732 | PASS |
| | 15 | LCH | TN | VN | -14.13 | -0.00548 | PASS | | |
| | | | | VH | -18.02 | -0.00699 | PASS | | |
| | | | | VL | -19.97 | -0.0077 | PASS | | |
| | | MCH | TN | VN | -17.58 | -0.00677 | PASS | | |
| | | | | VH | -18.25 | -0.00703 | PASS | | |
| | | | | VL | -16.91 | -0.00647 | PASS | | |
| | | HCH | TN | VN | -19.25 | -0.00737 | PASS | | |
| | | | | VH | -13.79 | -0.00528 | PASS | | |
| | | | | VL | -19.45 | -0.00754 | PASS | | |
| | 20 | LCH | TN | VN | -22.36 | -0.00867 | PASS | | |
| | | | | VH | -19.87 | -0.0077 | PASS | | |
| | | | | VL | -19.97 | -0.0077 | PASS | | |
| MCH | | TN | VN | -18.14 | -0.00699 | PASS | | | |
| | | | VH | -19.9 | -0.00767 | PASS | | | |
| | | | VL | -13 | -0.00498 | PASS | | | |
| HCH | | TN | VN | -17.14 | -0.00661 | PASS | | | |
| | | | VH | -23.15 | -0.00892 | PASS | | | |
| | | | VL | -15.96 | -0.00611 | PASS | | | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | | | | | VN | -19.07 | -0.00731 | PASS |
| | | | | | VH | -17.81 | -0.00682 | 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 |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| BAND38 | LTE/TM1 | 5 | LCH | VN | -30 | -20.99 | -0.00816 | PASS |
| | | | | | -20 | -12.99 | -0.00505 | PASS |
| | | | | | -10 | -16.58 | -0.00645 | PASS |
| | | | | | 0 | -19.07 | -0.00741 | PASS |
| | | | | | 10 | -18.31 | -0.00712 | PASS |
| | | | | | 20 | -15.74 | -0.00612 | PASS |
| | | | | | 30 | -24.39 | -0.00948 | PASS |
| | | | | | 40 | -20.9 | -0.00812 | PASS |
| | | | 50 | -13.12 | -0.0051 | PASS | | |
| | | | MCH | VN | -30 | -21.63 | -0.00834 | PASS |
| | | | | | -20 | -24.55 | -0.00946 | PASS |
| | | | | | -10 | -15.12 | -0.00583 | PASS |
| | | | | | 0 | -17.84 | -0.00687 | PASS |
| | | | | | 10 | -34.53 | -0.01331 | PASS |
| | | | | | 20 | -24.29 | -0.00936 | PASS |
| | | | | | 30 | -19.68 | -0.00758 | PASS |
| | | | | | 40 | -24.86 | -0.00958 | PASS |
| | | | 50 | -18.31 | -0.00706 | PASS | | |
| | | | HCH | VN | -30 | -17.88 | -0.00683 | PASS |
| | | | | | -20 | -21.46 | -0.0082 | PASS |
| | | | | | -10 | -17.84 | -0.00682 | PASS |
| | | | | | 0 | -21.7 | -0.00829 | PASS |
| | | | | | 10 | -16.16 | -0.00617 | PASS |
| | | | | | 20 | -21.09 | -0.00806 | PASS |
| | | 30 | | | -18 | -0.00688 | PASS | |
| | | 40 | | | -26.01 | -0.00994 | PASS | |
| | | 50 | -23.15 | -0.00884 | PASS | | | |
| | | 10 | LCH | VN | -30 | -16.48 | -0.0064 | PASS |
| | | | | | -20 | -23.95 | -0.0093 | PASS |
| | | | | | -10 | -21.8 | -0.00847 | PASS |
| | | | | | 0 | -18.84 | -0.00732 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| | | | | | 10 | -15.11 | -0.00587 | PASS |
| | | | | | 20 | -23.7 | -0.0092 | PASS |
| | | | | | 30 | -12.42 | -0.00482 | PASS |
| | | | | | 40 | -20.34 | -0.0079 | PASS |
| | | | | | 50 | -12.47 | -0.00484 | PASS |
| | | | MCH | VN | -30 | -19.98 | -0.0077 | PASS |
| | | | | | -20 | -27.29 | -0.01052 | PASS |
| | | | | | -10 | -23.17 | -0.00893 | PASS |
| | | | | | 0 | -19.48 | -0.00751 | PASS |
| | | | | | 10 | -29.27 | -0.01128 | PASS |
| | | | | | 20 | -25.42 | -0.0098 | PASS |
| | | | | | 30 | -24.33 | -0.00938 | PASS |
| | | | | | 40 | -26.71 | -0.01029 | PASS |
| | | | | | 50 | -55.1 | -0.02123 | PASS |
| | | | | | HCH | VN | -30 | -45.85 |
| | | | -20 | -17.68 | | | -0.00676 | PASS |
| | | | -10 | -17.45 | | | -0.00667 | PASS |
| | | | 0 | -21.86 | | | -0.00836 | PASS |
| | | | 10 | -43.34 | | | -0.01657 | PASS |
| | | | 20 | -32.24 | | | -0.01233 | PASS |
| | | 30 | -40.68 | -0.01556 | | | PASS | |
| | | 40 | -13.42 | -0.00513 | | | PASS | |
| | | 15 | LCH | VN | -30 | -8.37 | -0.00325 | PASS |
| | | | | | -20 | -19 | -0.00737 | PASS |
| | | | | | -10 | -17.84 | -0.00692 | PASS |
| | | | | | 0 | -10.17 | -0.00395 | PASS |
| | | | | | 10 | -11.49 | -0.00446 | PASS |
| | | | | | 20 | -24.82 | -0.00963 | PASS |
| | | | | | 30 | -9.14 | -0.00355 | PASS |
| | | | | | 40 | -21.36 | -0.00829 | PASS |
| | | | | | 50 | -11.16 | -0.00433 | PASS |
| | | | | | MCH | VN | -30 | -21.16 |
| | | -20 | -18 | -0.00694 | | | PASS | |
| | | -10 | -19.47 | -0.0075 | | | PASS | |
| | | 0 | -15.41 | -0.00594 | | | PASS | |
| | | 10 | -14.49 | -0.00558 | | | PASS | |
| | | 20 | -22.36 | -0.00862 | | | PASS | |
| | | 30 | -23.49 | -0.00905 | | | PASS | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|------|
| | | | | | 40 | -20.01 | -0.00771 | PASS | |
| | | | | | 50 | -21.13 | -0.00814 | PASS | |
| | | | HCH | VN | -30 | -16.85 | -0.00645 | PASS | |
| | | | | | -20 | -24.1 | -0.00922 | PASS | |
| | | | | | -10 | -15.21 | -0.00582 | PASS | |
| | | | | | 0 | -16.89 | -0.00647 | PASS | |
| | | | | | 10 | -14.05 | -0.00538 | PASS | |
| | | | | | 20 | -15.03 | -0.00575 | PASS | |
| | | | | | 30 | -19.48 | -0.00746 | PASS | |
| | | | | | 40 | -14.82 | -0.00567 | PASS | |
| | | 50 | -17.77 | -0.0068 | PASS | | | | |
| | | 20 | LCH | VN | -30 | -20.99 | -0.00814 | PASS | |
| | | | | | -20 | -21.19 | -0.00821 | PASS | |
| | | | | | -10 | -16.51 | -0.0064 | PASS | |
| | | | | | 0 | -18.11 | -0.00702 | PASS | |
| | | | | | 10 | -20.21 | -0.00783 | PASS | |
| | | | | | 20 | -23.42 | -0.00908 | PASS | |
| | | | | | 30 | -16.55 | -0.00641 | PASS | |
| | | | | | 40 | -19.5 | -0.00756 | PASS | |
| | | | 50 | -23.96 | -0.00929 | PASS | | | |
| | | | MCH | VN | -30 | -18.35 | -0.00707 | PASS | |
| | | | | | -20 | -23.4 | -0.00902 | PASS | |
| | | | | | -10 | -14.49 | -0.00558 | PASS | |
| | | | | | 0 | -20.27 | -0.00781 | PASS | |
| | | | | | 10 | -23.67 | -0.00912 | PASS | |
| | | | | | 20 | -20.64 | -0.00795 | PASS | |
| | | | | | 30 | -18.1 | -0.00697 | PASS | |
| | | | 40 | -22.3 | -0.00859 | PASS | | | |
| | | | 50 | -17.17 | -0.00662 | PASS | | | |
| | | HCH | VN | -30 | -20.41 | -0.00782 | PASS | | |
| | | | | -20 | -18 | -0.0069 | PASS | | |
| | | | | -10 | -14.18 | -0.00543 | PASS | | |
| | | | | 0 | -18.31 | -0.00702 | PASS | | |
| | | | | 10 | -17.31 | -0.00663 | PASS | | |
| | | | | 20 | -13.88 | -0.00532 | PASS | | |
| | | | | 30 | -19.4 | -0.00743 | PASS | | |
| | | | | 40 | -20.87 | -0.008 | PASS | | |
| | | 50 | -16.64 | -0.00638 | PASS | | | | |
| | | LTE/TM2 | 5 | LCH | VN | -30 | -15.56 | -0.00605 | PASS |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|------|
| | | | | | -20 | -23.56 | -0.00916 | PASS | |
| | | | | | -10 | -19.2 | -0.00746 | PASS | |
| | | | | | 0 | -21.4 | -0.00832 | PASS | |
| | | | | | 10 | -13.88 | -0.0054 | PASS | |
| | | | | | 20 | -22.2 | -0.00863 | PASS | |
| | | | | | 30 | -19.98 | -0.00777 | PASS | |
| | | | | | 40 | -12.67 | -0.00493 | PASS | |
| | | | | | 50 | -11.96 | -0.00465 | PASS | |
| | | | MCH | VN | -30 | -20.47 | -0.00789 | PASS | |
| | | | | | -20 | -46.85 | -0.01805 | PASS | |
| | | | | | -10 | -18.44 | -0.00711 | PASS | |
| | | | | | 0 | -23.46 | -0.00904 | PASS | |
| | | | | | 10 | -21.33 | -0.00822 | PASS | |
| | | | | | 20 | -57.94 | -0.02233 | PASS | |
| | | | | | 30 | -21.11 | -0.00813 | PASS | |
| | | | | | 40 | -21.04 | -0.00811 | PASS | |
| | | | HCH | VN | -30 | -13.39 | -0.00512 | PASS | |
| | | | | | -20 | -22.66 | -0.00866 | PASS | |
| | | | | | -10 | -21.86 | -0.00835 | PASS | |
| | | | | | 0 | -17.31 | -0.00661 | PASS | |
| | | | | | 10 | -37.51 | -0.01433 | PASS | |
| | | | | | 20 | -23.46 | -0.00896 | PASS | |
| | | | | | 30 | -17.02 | -0.0065 | PASS | |
| | | | | | 40 | -18.22 | -0.00696 | PASS | |
| | | | 10 | LCH | VN | -30 | -18.02 | -0.007 | PASS |
| | | | | | | -20 | -14.95 | -0.00581 | PASS |
| | | | | | | -10 | -13.22 | -0.00513 | PASS |
| | | | | | | 0 | -16.54 | -0.00642 | PASS |
| | | 10 | | | | -17.24 | -0.0067 | PASS | |
| | | 20 | | | | -12.1 | -0.0047 | PASS | |
| | | 30 | | | | -16.92 | -0.00657 | PASS | |
| | | 40 | | | | -21.4 | -0.00831 | PASS | |
| | | 50 | | -16.28 | -0.00632 | PASS | | | |
| | | MCH | | VN | -30 | -26.08 | -0.01005 | PASS | |
| | | | | | -20 | -28.52 | -0.01099 | PASS | |
| | | | | | -10 | -28.05 | -0.01081 | PASS | |
| | | | 0 | | -27.79 | -0.01071 | PASS | | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|----------|------|
| | | | | | 10 | -20.31 | -0.00783 | PASS | | |
| | | | | | 20 | -22.92 | -0.00883 | PASS | | |
| | | | | | 30 | -19.73 | -0.0076 | PASS | | |
| | | | | | 40 | -20.44 | -0.00788 | PASS | | |
| | | | | | 50 | -35.12 | -0.01353 | PASS | | |
| | | | HCH | VN | -30 | -18.25 | -0.00698 | PASS | | |
| | | | | | -20 | -52.08 | -0.01992 | PASS | | |
| | | | | | -10 | -22.26 | -0.00851 | PASS | | |
| | | | | | 0 | -43.32 | -0.01657 | PASS | | |
| | | | | | 10 | -43.03 | -0.01646 | PASS | | |
| | | | | | 20 | -50.41 | -0.01928 | PASS | | |
| | | | | | 30 | -40.97 | -0.01567 | PASS | | |
| | | | | | 40 | -44.06 | -0.01685 | PASS | | |
| | | | | | 50 | -39.35 | -0.01505 | PASS | | |
| | | | | | LCH | VN | -30 | -19.33 | -0.0075 | PASS |
| | | | | | | | -20 | -16.38 | -0.00635 | PASS |
| | | | | | | | -10 | -16.68 | -0.00647 | PASS |
| | | | | | | | 0 | -15.25 | -0.00592 | PASS |
| | | | | | | | 10 | -23.02 | -0.00893 | PASS |
| | | | | | | | 20 | -20.14 | -0.00781 | PASS |
| | | 30 | -22.23 | -0.00862 | | | PASS | | | |
| | | 40 | -17.02 | -0.0066 | | | PASS | | | |
| | | MCH | VN | 50 | -12.49 | -0.00485 | PASS | | | |
| | | | | -30 | -17.8 | -0.00686 | PASS | | | |
| | | | | -20 | -17.19 | -0.00662 | PASS | | | |
| | | | | -10 | -19.44 | -0.00749 | PASS | | | |
| | | | | 0 | -18.97 | -0.00731 | PASS | | | |
| | | | | 10 | -18.45 | -0.00711 | PASS | | | |
| | | | | 20 | -17.85 | -0.00688 | PASS | | | |
| | | | | 30 | -22.26 | -0.00858 | PASS | | | |
| | | HCH | VN | 40 | -20.87 | -0.00804 | PASS | | | |
| | | | | 50 | -16.22 | -0.00625 | PASS | | | |
| | | | | -30 | -19.7 | -0.00754 | PASS | | | |
| | | | | -20 | -15.46 | -0.00592 | PASS | | | |
| | | | | -10 | -18.24 | -0.00698 | PASS | | | |
| | | | | 0 | -19.45 | -0.00744 | PASS | | | |
| | | | | 10 | -13.29 | -0.00509 | PASS | | | |
| | | 20 | -18.85 | -0.00722 | PASS | | | | | |
| | | 30 | -12.02 | -0.0046 | PASS | | | | | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| | | | | | 40 | -12.96 | -0.00496 | PASS |
| | | | | | 50 | -17.75 | -0.00679 | PASS |
| | | 20 | LCH | VN | -30 | -20.67 | -0.00801 | PASS |
| | | | | | -20 | -20.21 | -0.00783 | PASS |
| | | | | | -10 | -24.73 | -0.00959 | PASS |
| | | | | | 0 | -16.34 | -0.00633 | PASS |
| | | | | | 10 | -23.59 | -0.00914 | PASS |
| | | | | | 20 | -19.4 | -0.00752 | PASS |
| | | | | | 30 | -21.43 | -0.00831 | PASS |
| | | | | | 40 | -20.34 | -0.00788 | PASS |
| | | | | | 50 | -19.04 | -0.00738 | PASS |
| | | | | | MCH | VN | -30 | -20.71 |
| | | | -20 | -20.17 | | | -0.00777 | PASS |
| | | | -10 | -21.94 | | | -0.00845 | PASS |
| | | | 0 | -22.12 | | | -0.00852 | PASS |
| | | | 10 | -18.28 | | | -0.00704 | PASS |
| | | | 20 | -20.1 | | | -0.00775 | PASS |
| | | | 30 | -22.95 | | | -0.00884 | PASS |
| | | | 40 | -18.3 | | | -0.00705 | PASS |
| | | | HCH | VN | -30 | -19.44 | -0.00745 | PASS |
| | | -20 | | | -15.72 | -0.00602 | PASS | |
| | | -10 | | | -21.07 | -0.00807 | PASS | |
| | | 0 | | | -19.76 | -0.00757 | PASS | |
| | | 10 | | | -19.2 | -0.00736 | PASS | |
| | | 20 | | | -19.76 | -0.00757 | PASS | |
| | | 30 | | | -19.3 | -0.00739 | PASS | |
| | | 40 | | | -19.94 | -0.00764 | PASS | |
| | | 50 | -18.11 | -0.00694 | PASS | | | |

END