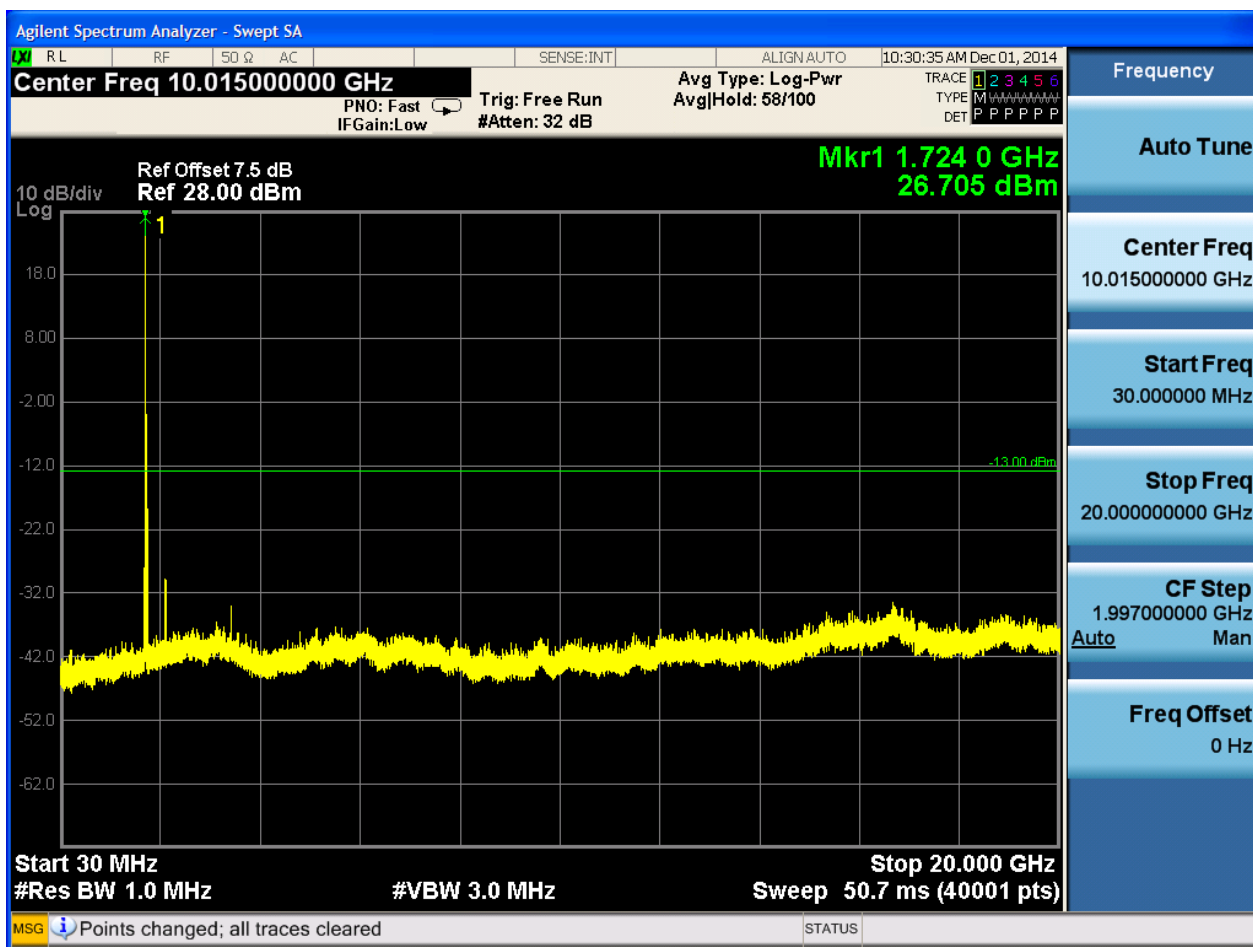
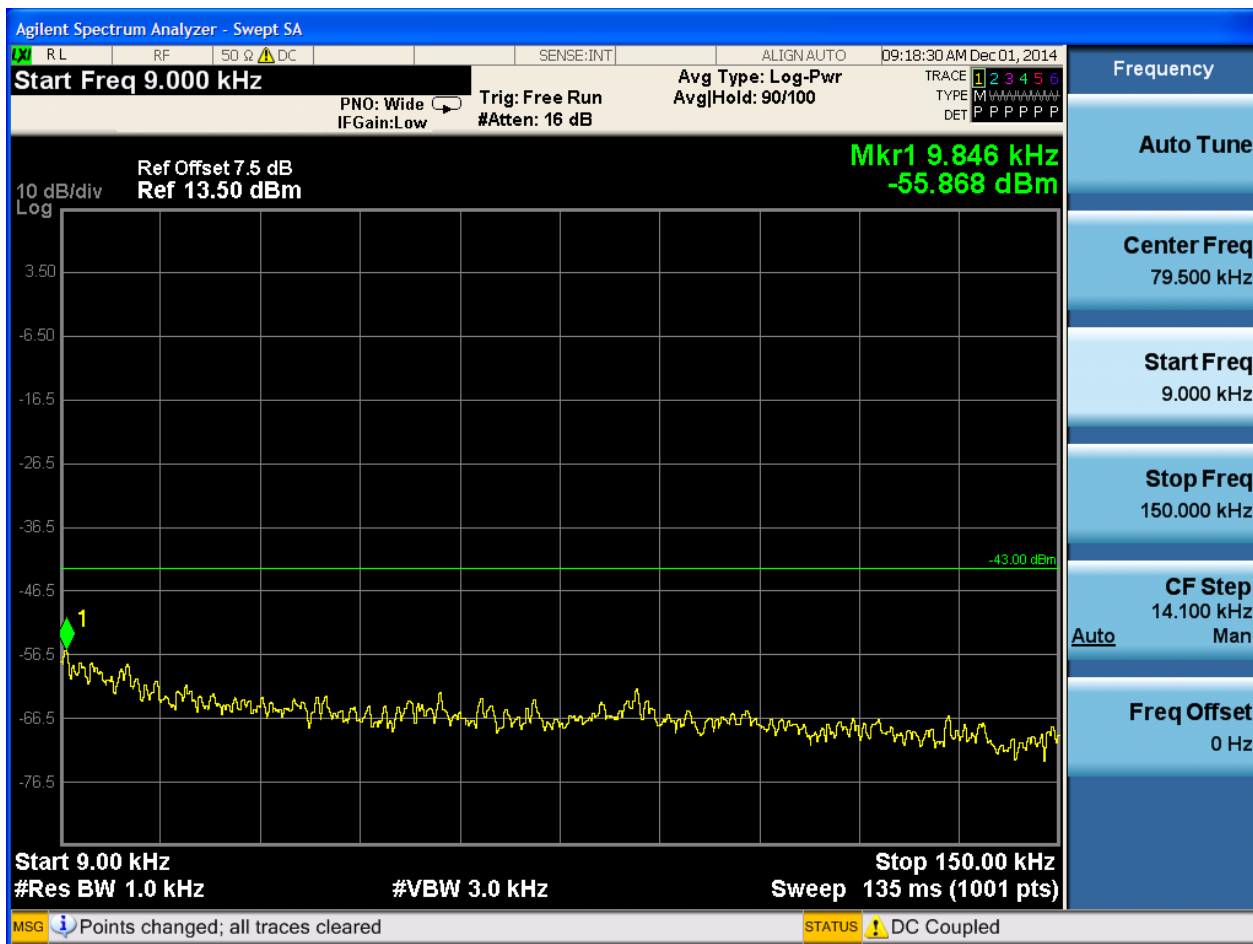


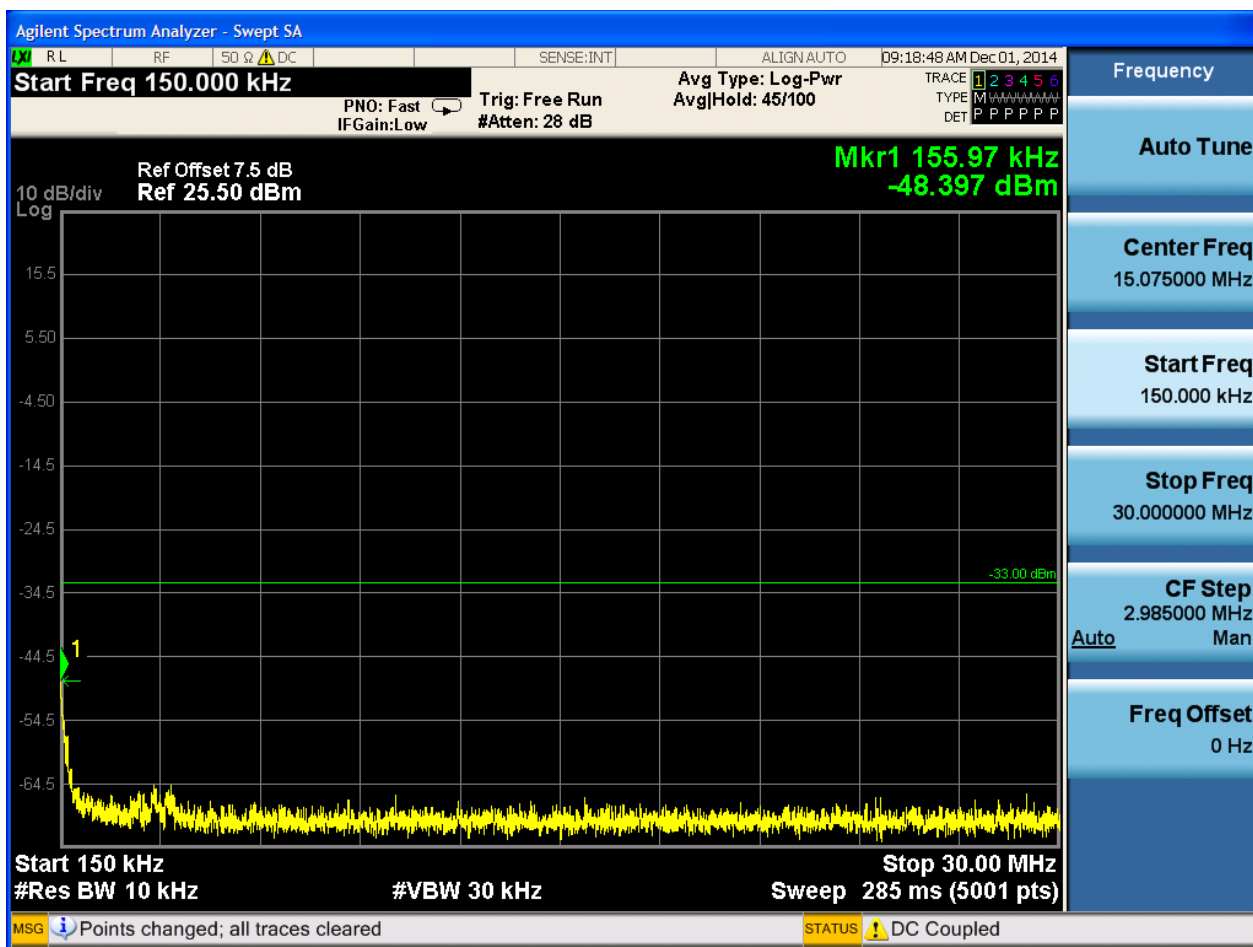


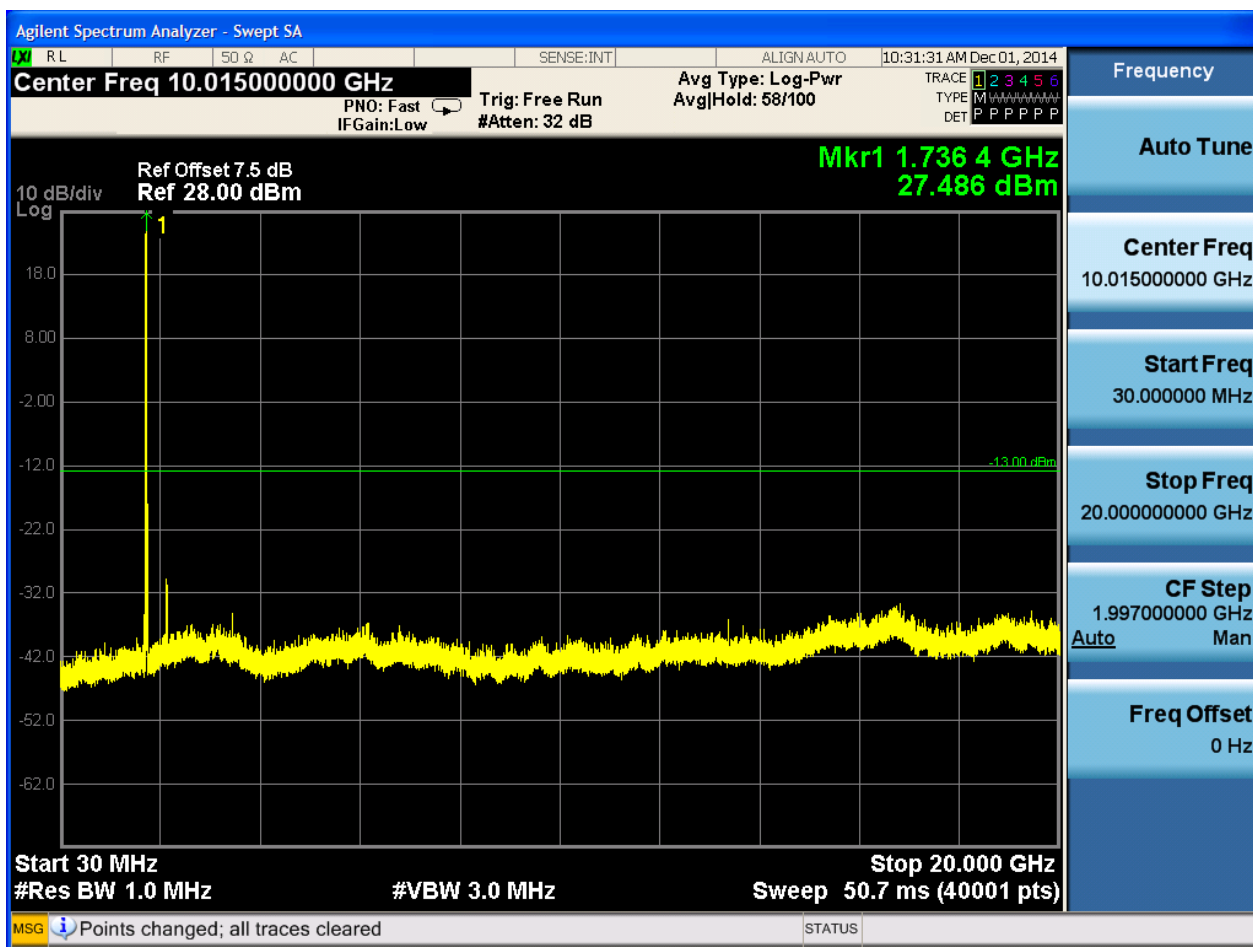


6.3.2.2.4.3 Test Channel = HCH

6.3.2.2.4.3.1 Test RB = RB1#0









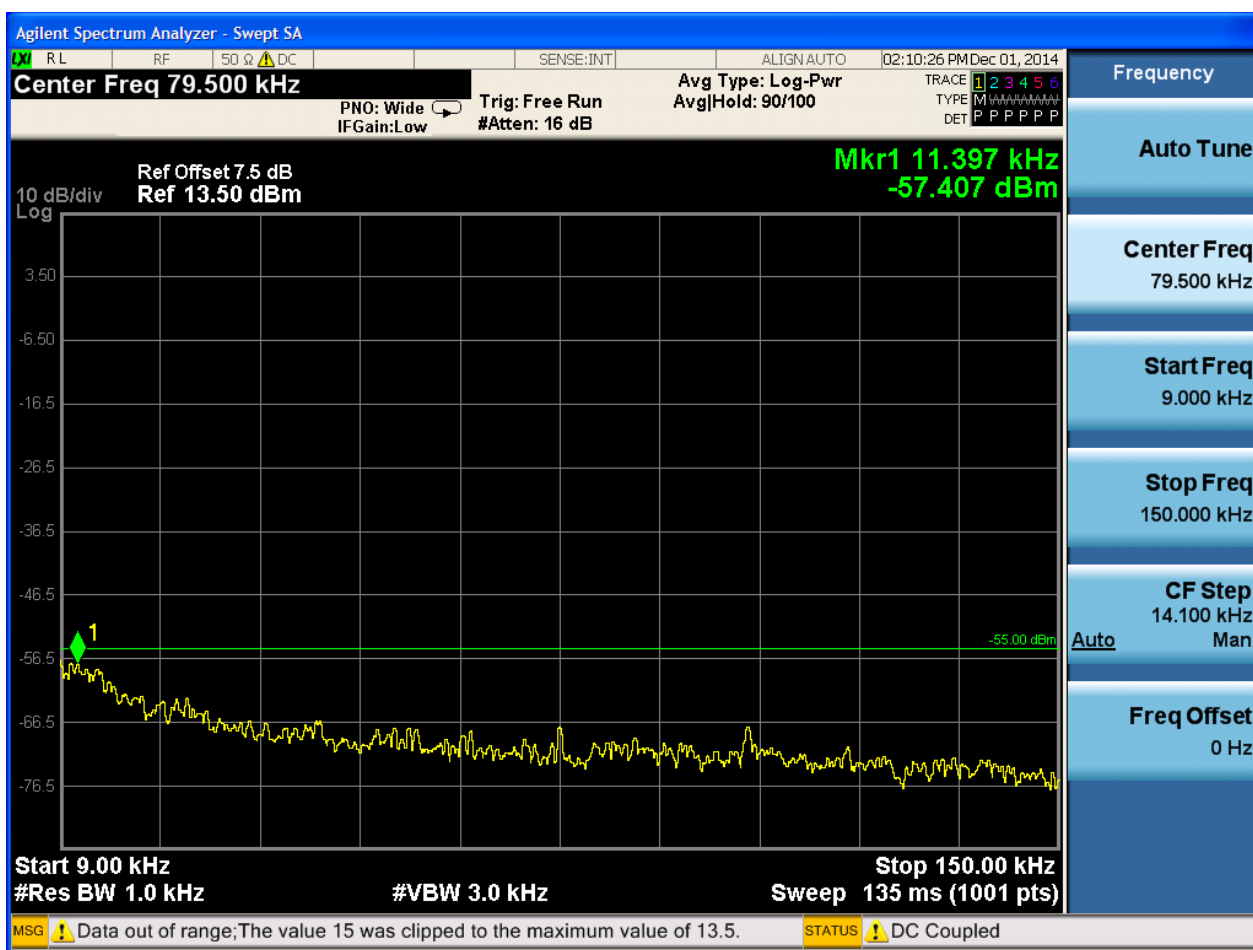
6.3.3 Test Band = BAND7

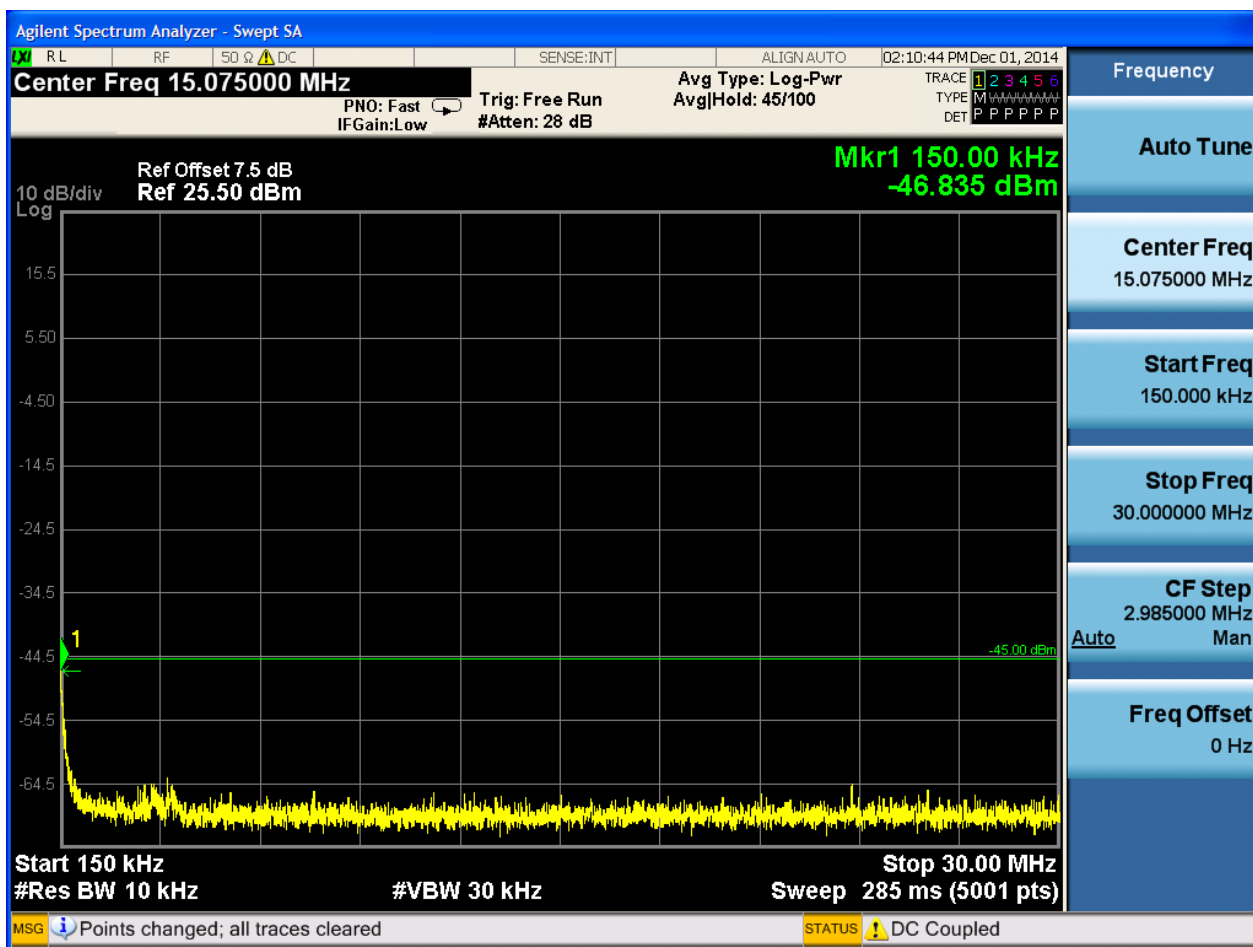
6.3.3.1 Test Mode = LTE/TM1

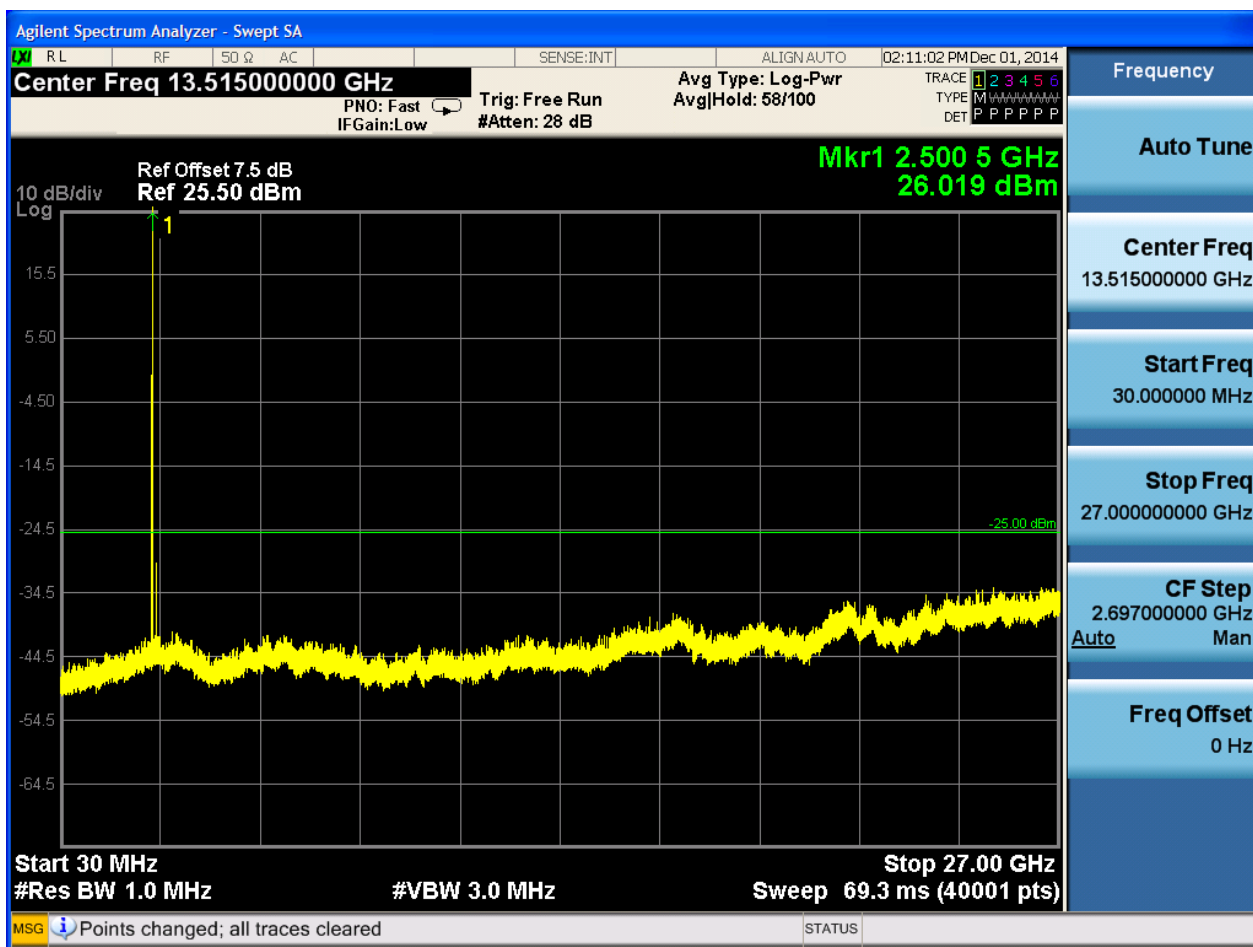
6.3.3.1.1 Test Bandwidth = 5

6.3.3.1.1.1 Test Channel = LCH

6.3.3.1.1.1.1 Test RB = RB1#0



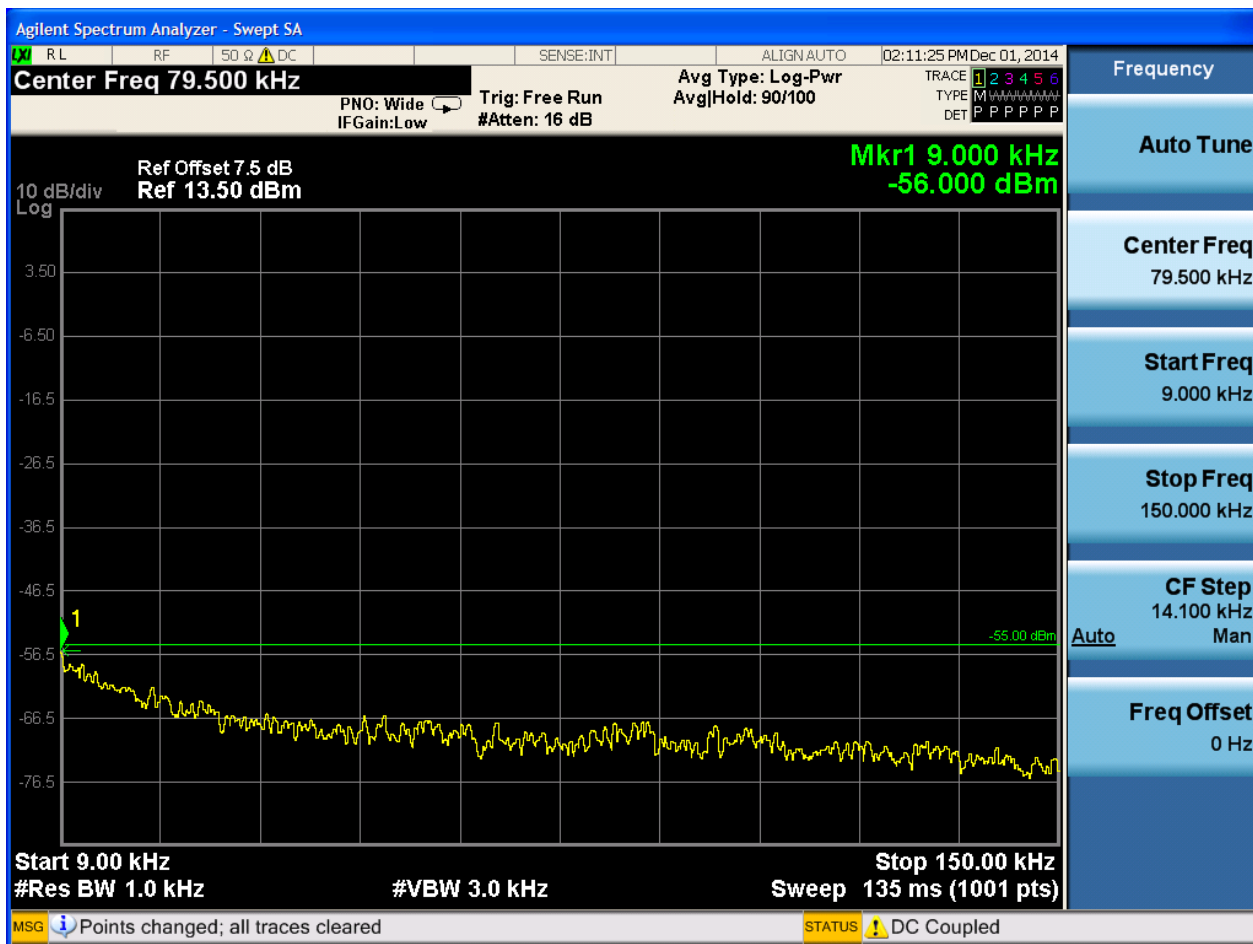


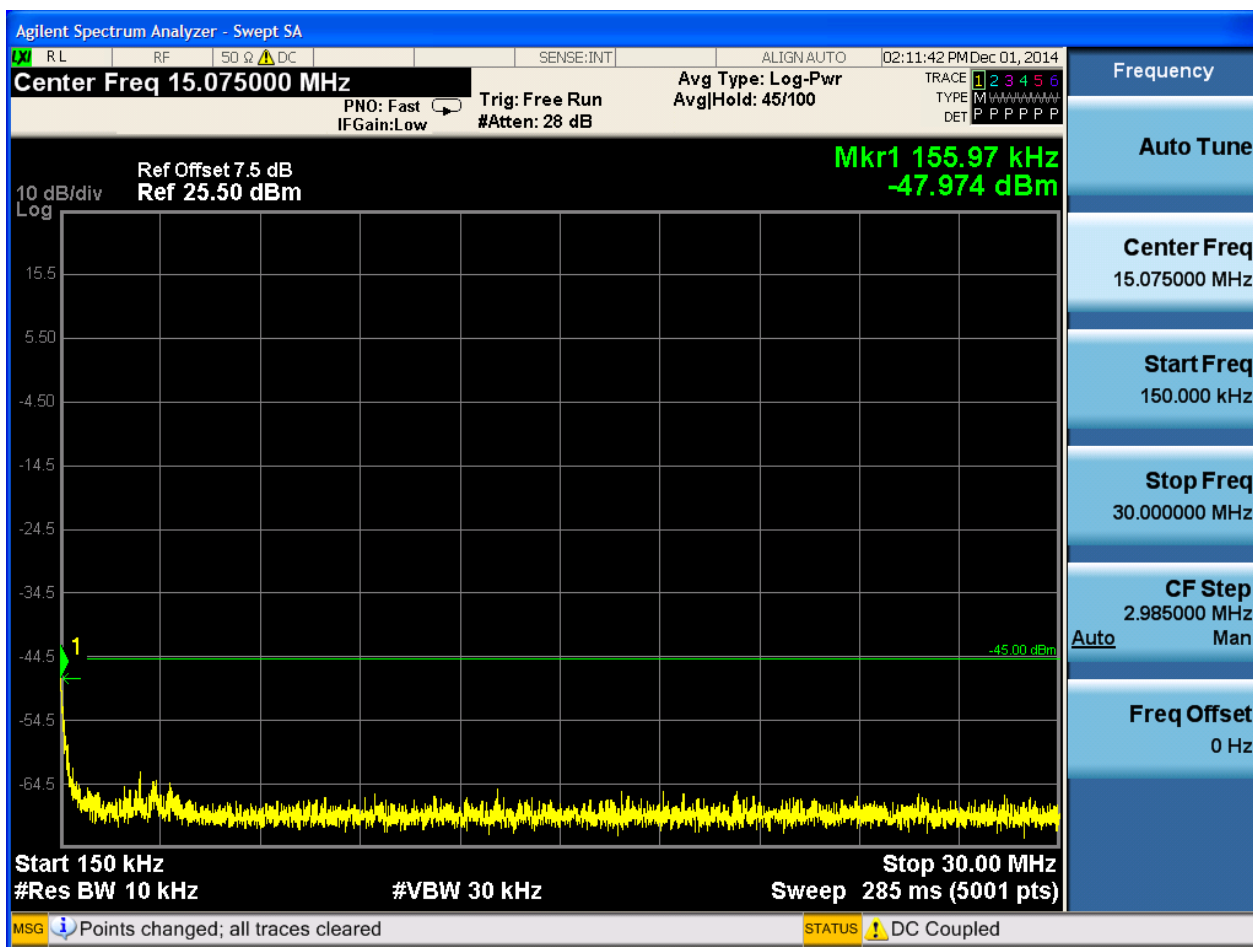




6.3.3.1.1.2 Test Channel = MCH

6.3.3.1.1.2.1 Test RB = RB1#0



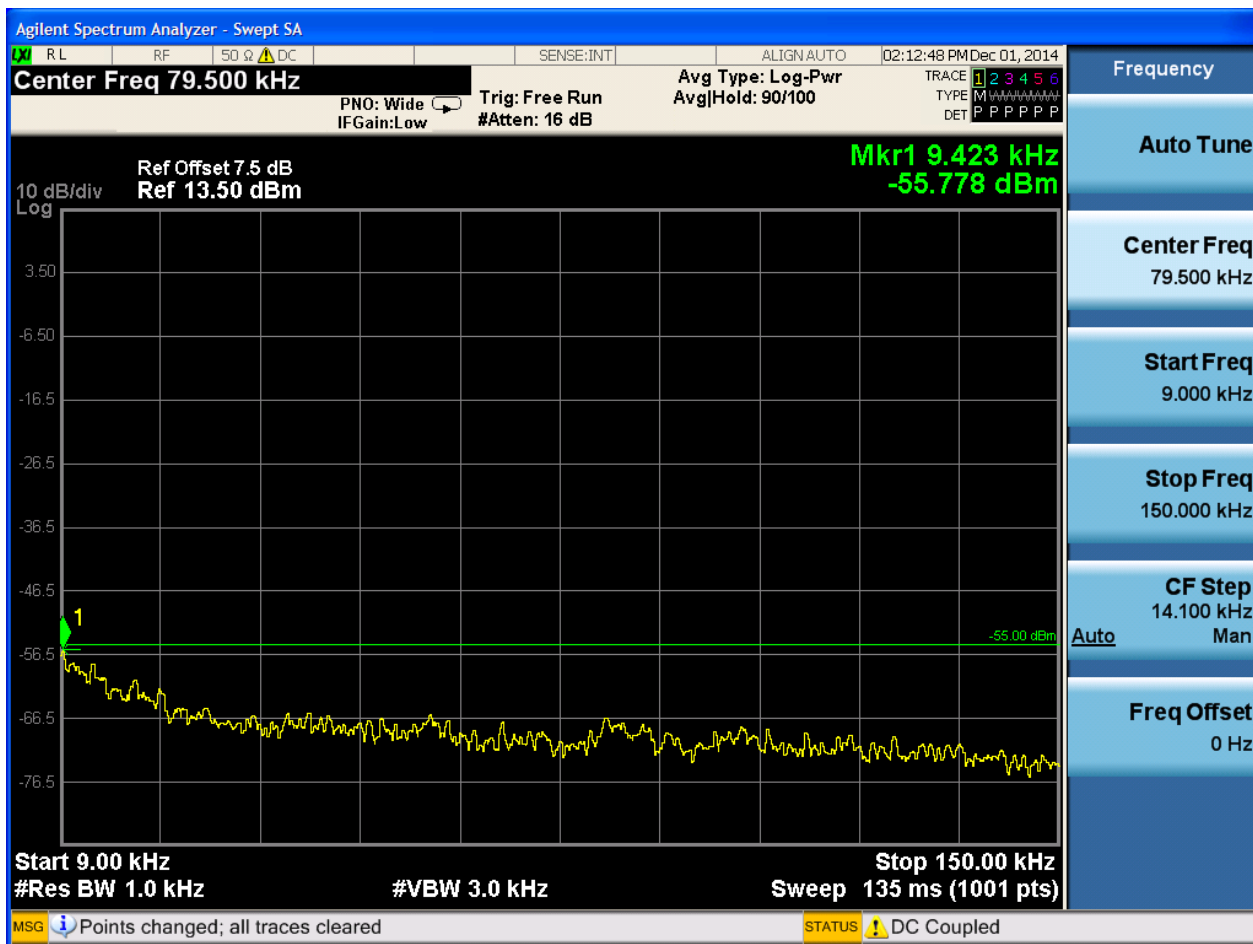


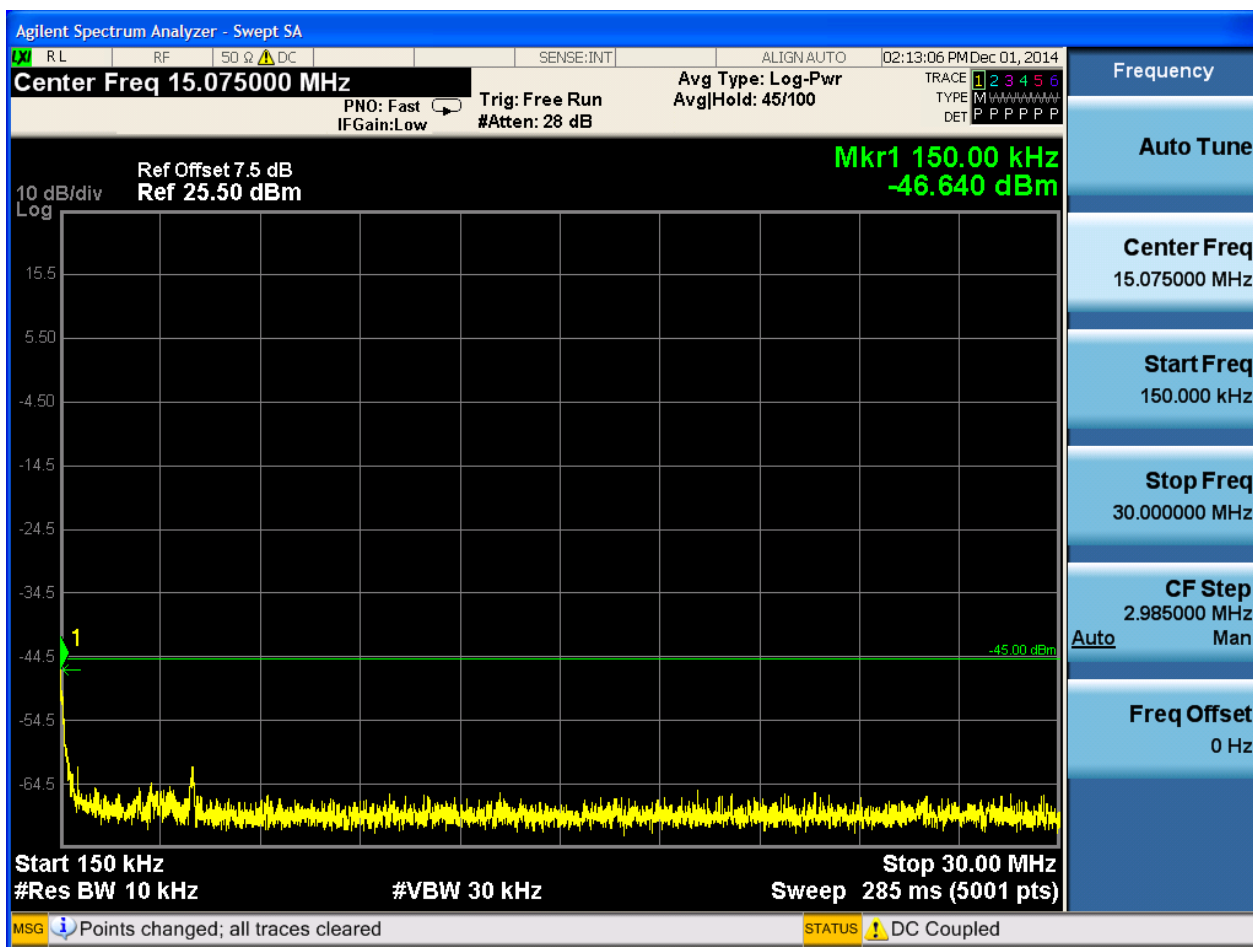


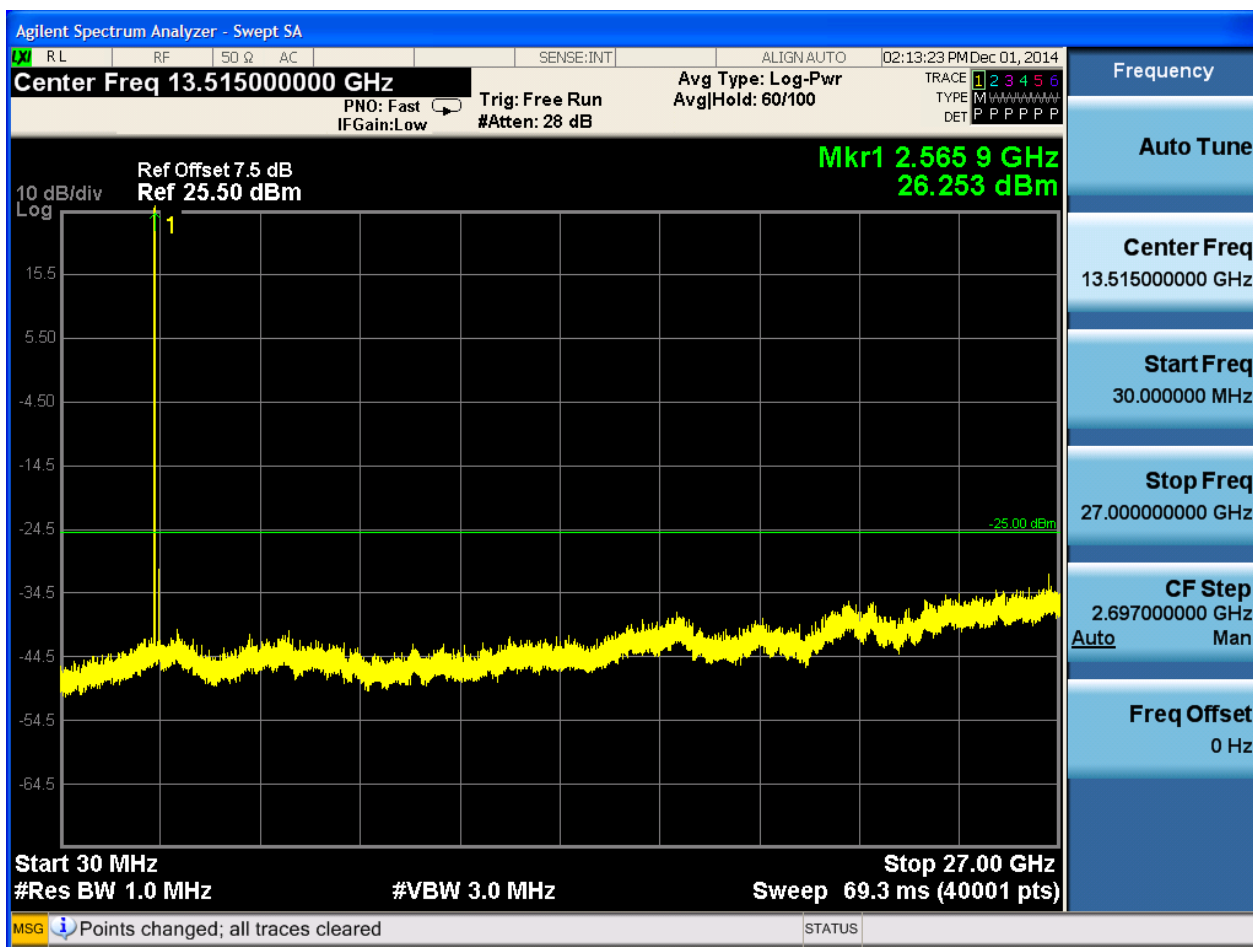


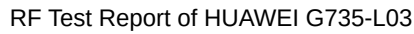
6.3.3.1.1.3 Test Channel = HCH

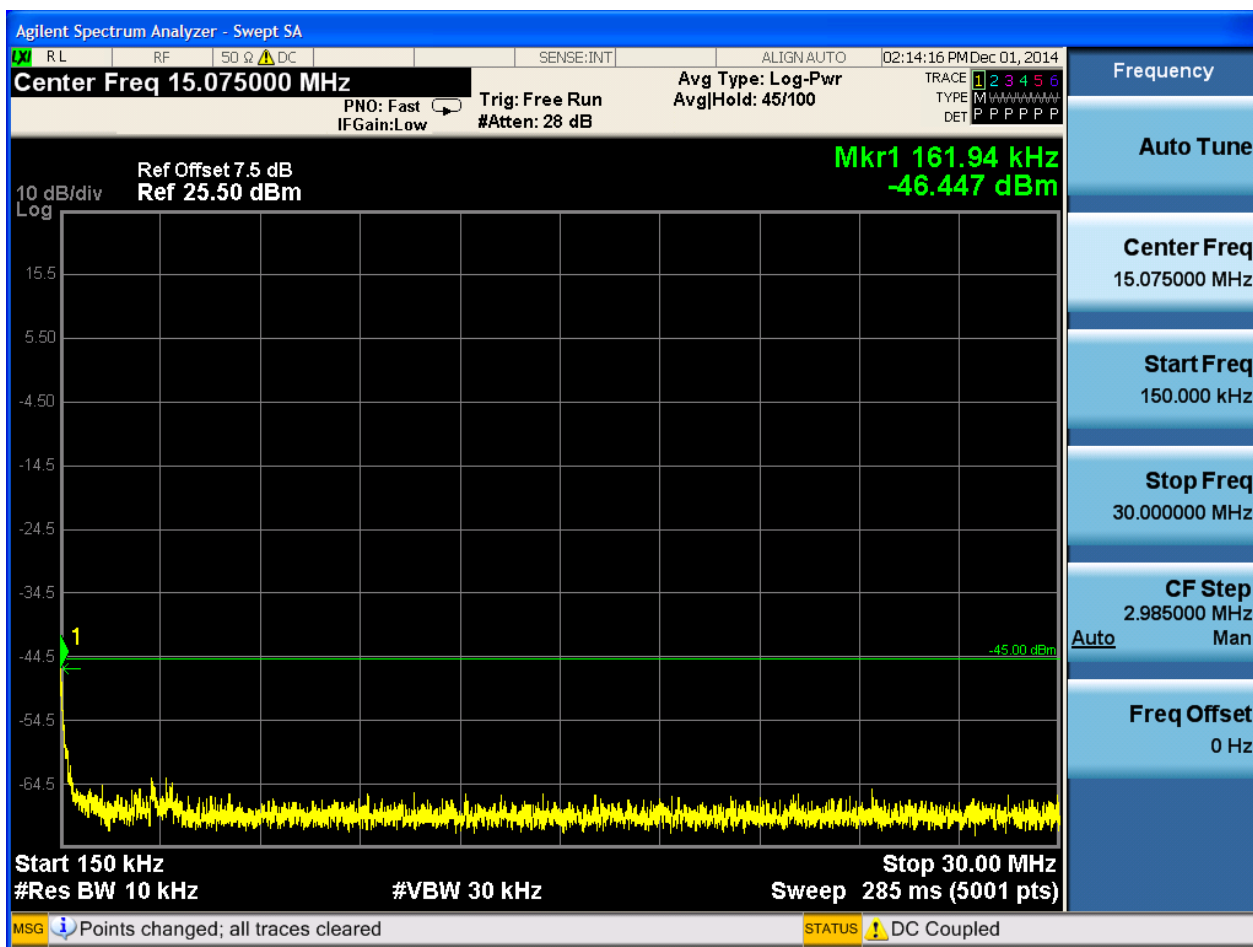
6.3.3.1.1.3.1 Test RB = RB1#0

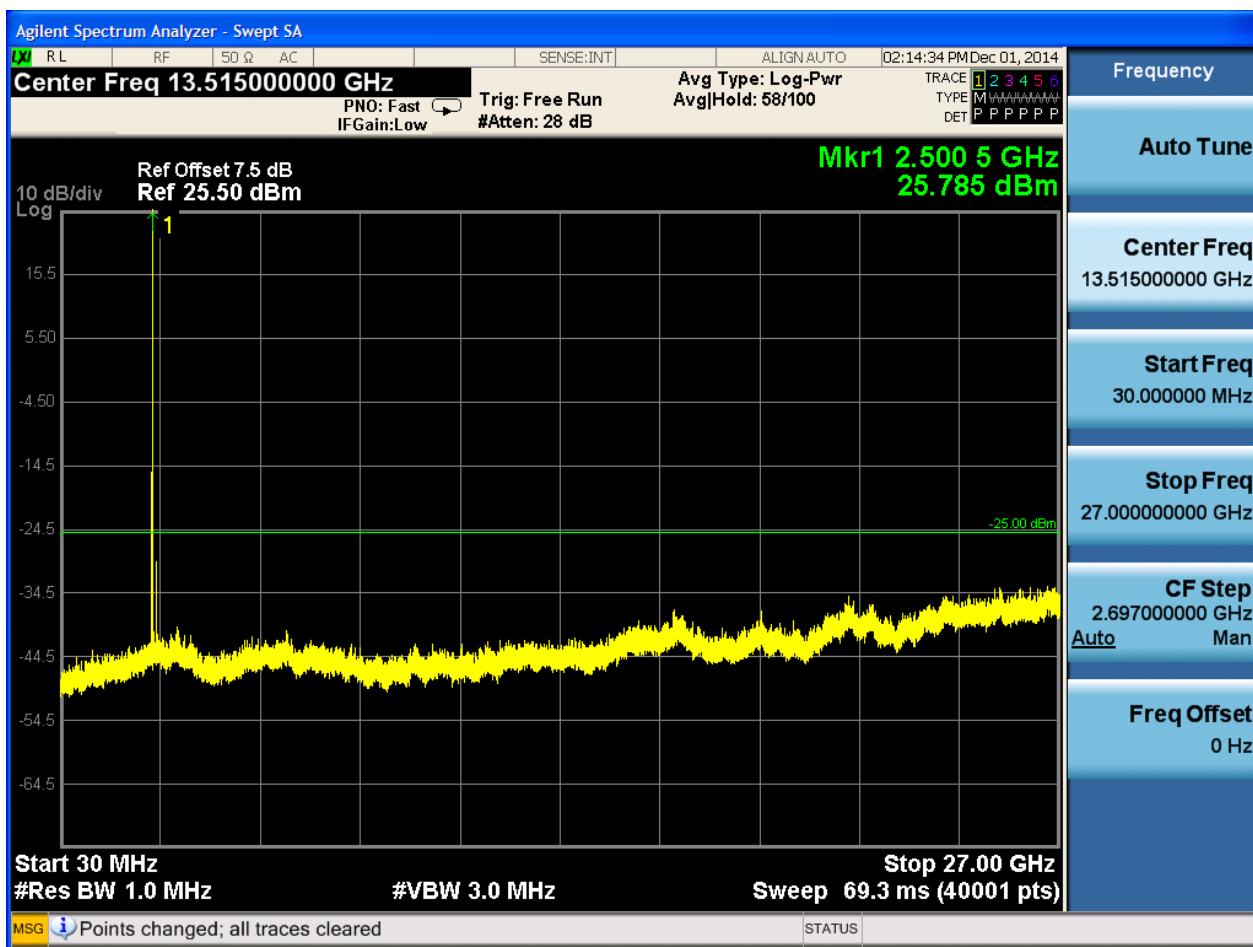








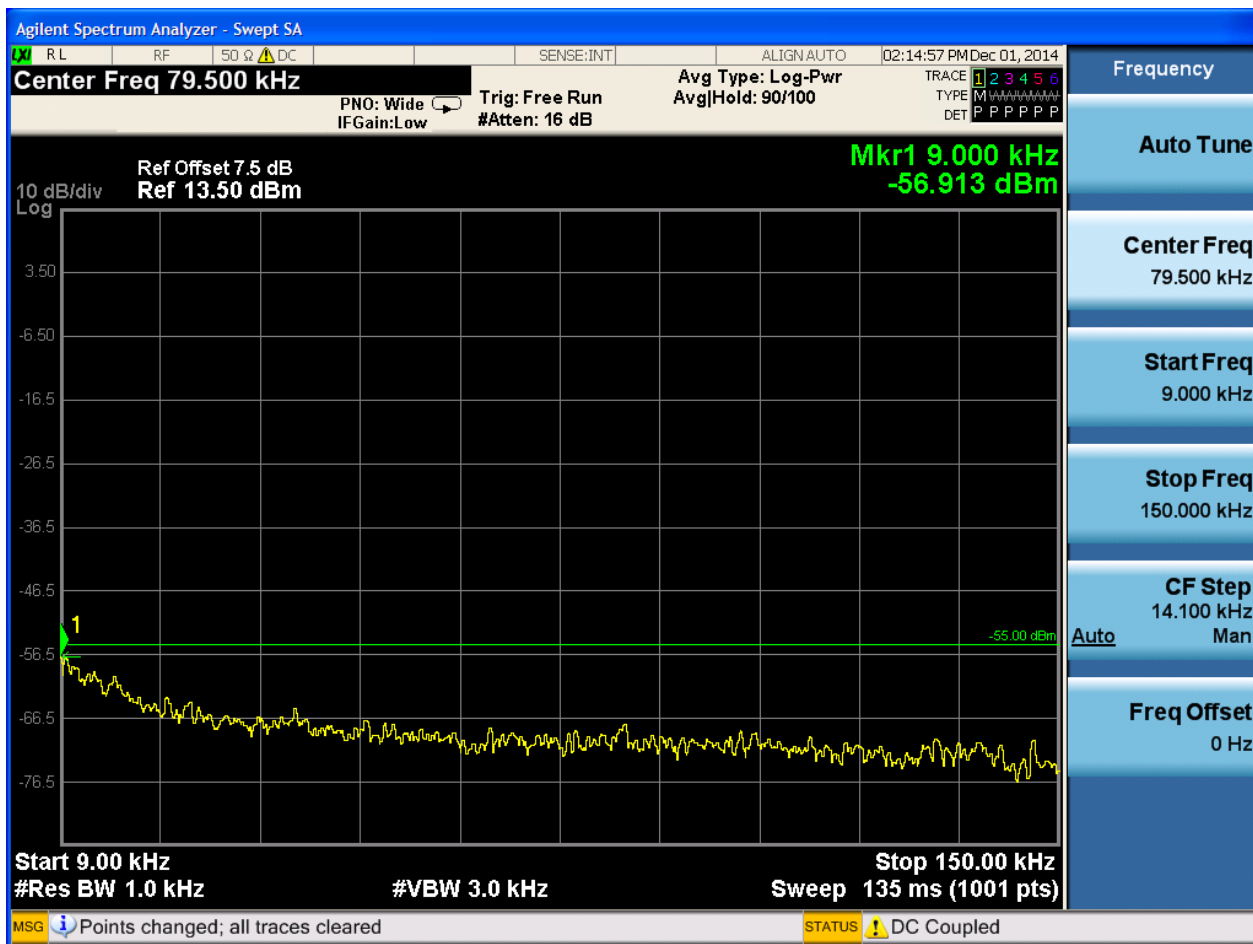


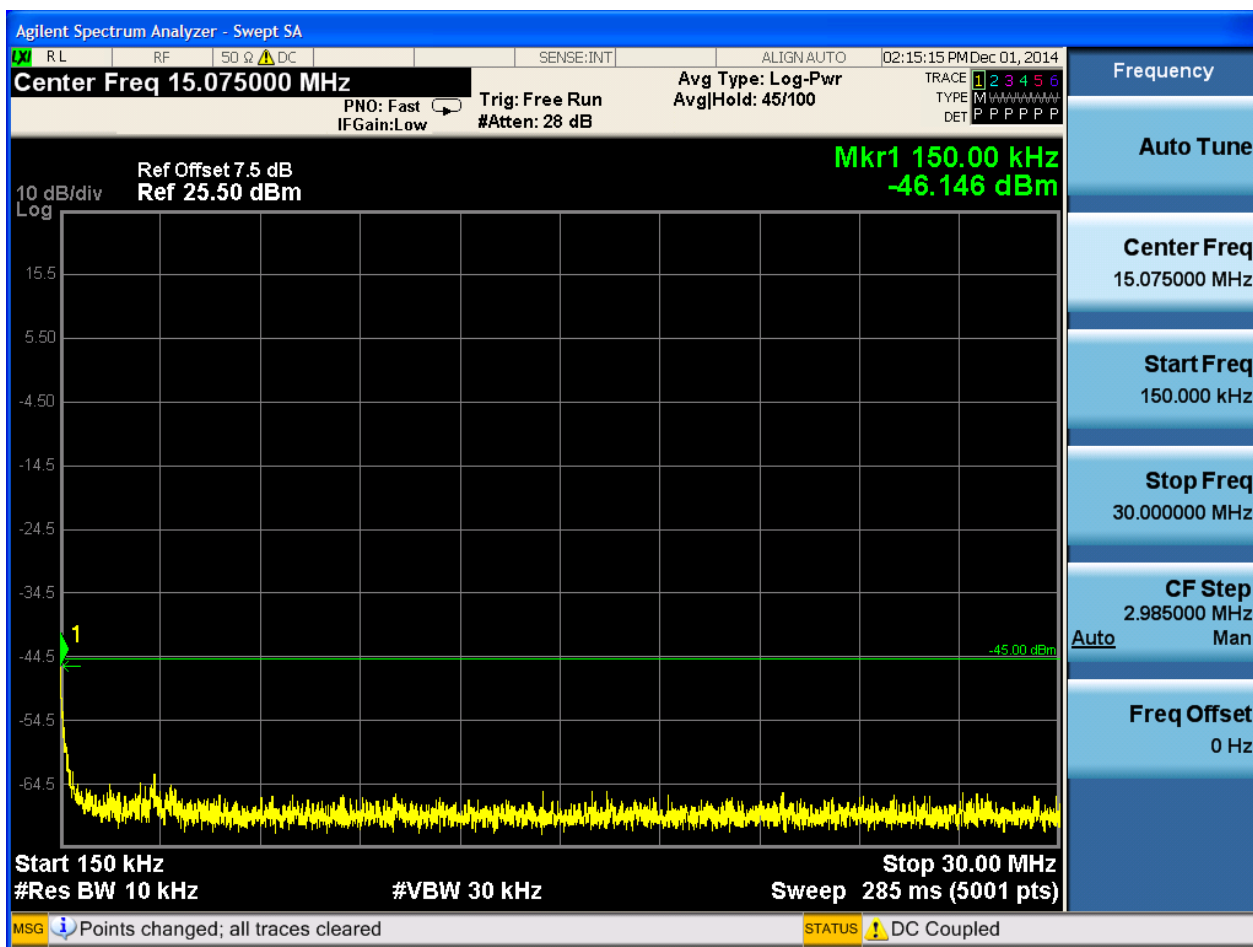


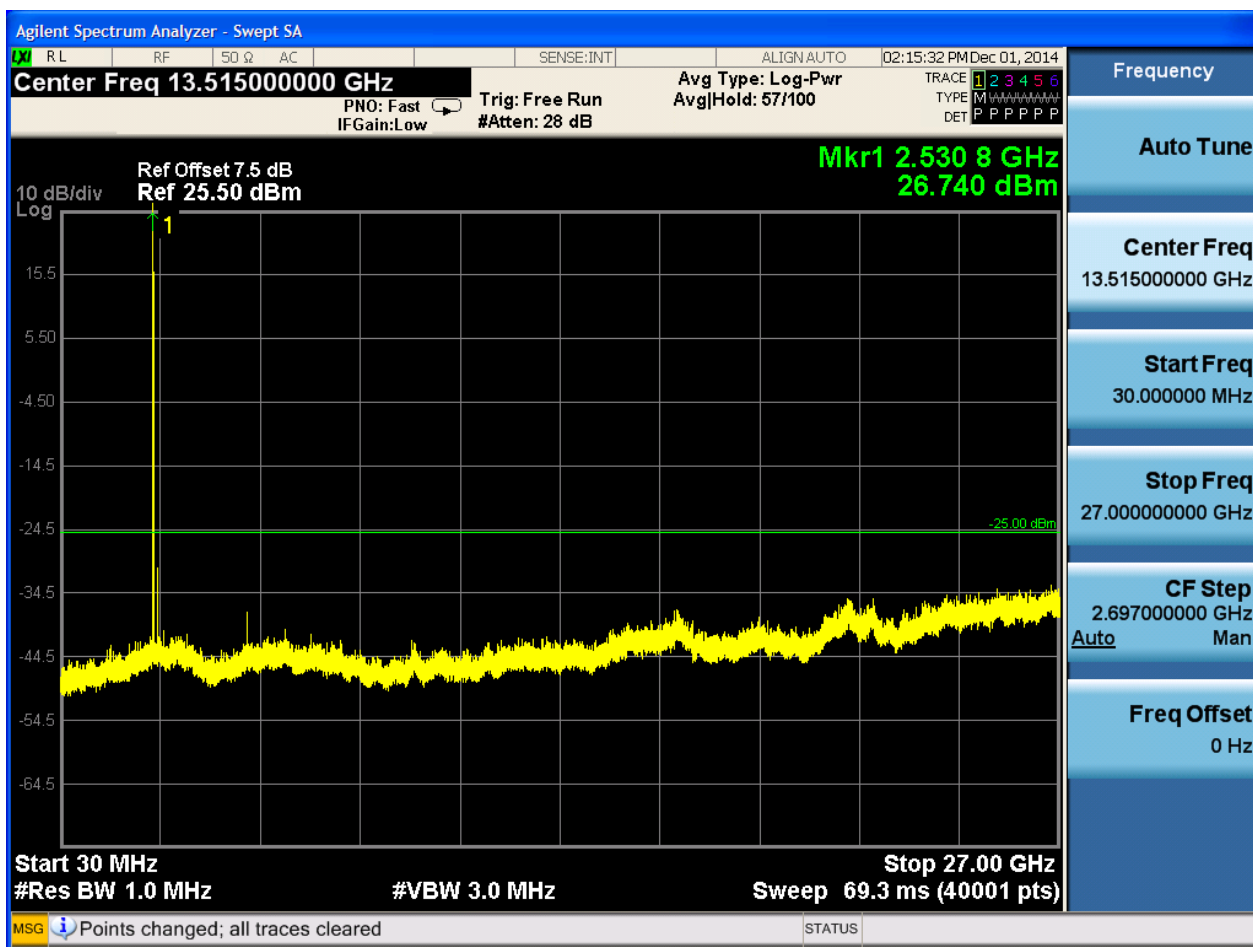


6.3.3.1.2.2 Test Channel = MCH

6.3.3.1.2.2.1 Test RB = RB1#0



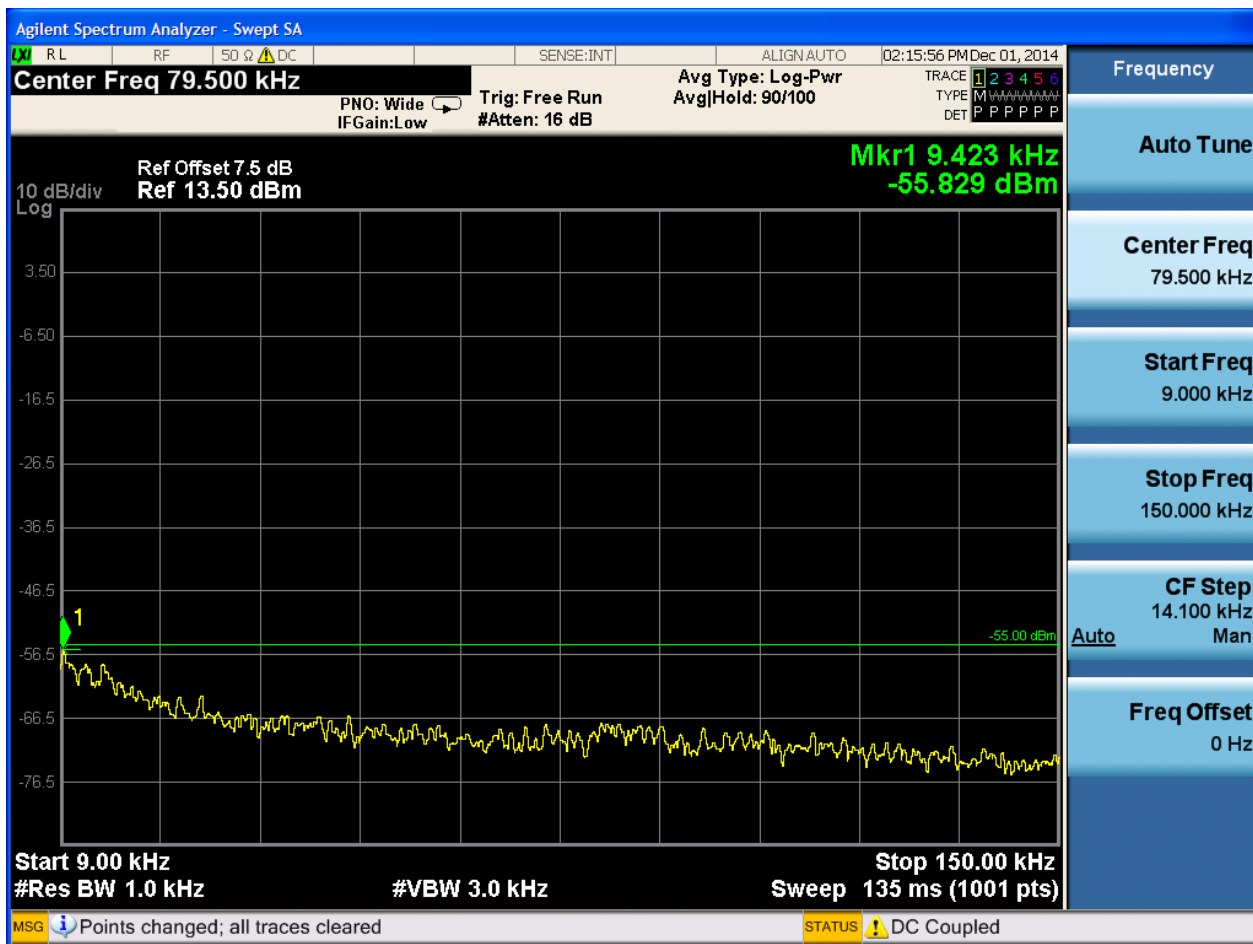


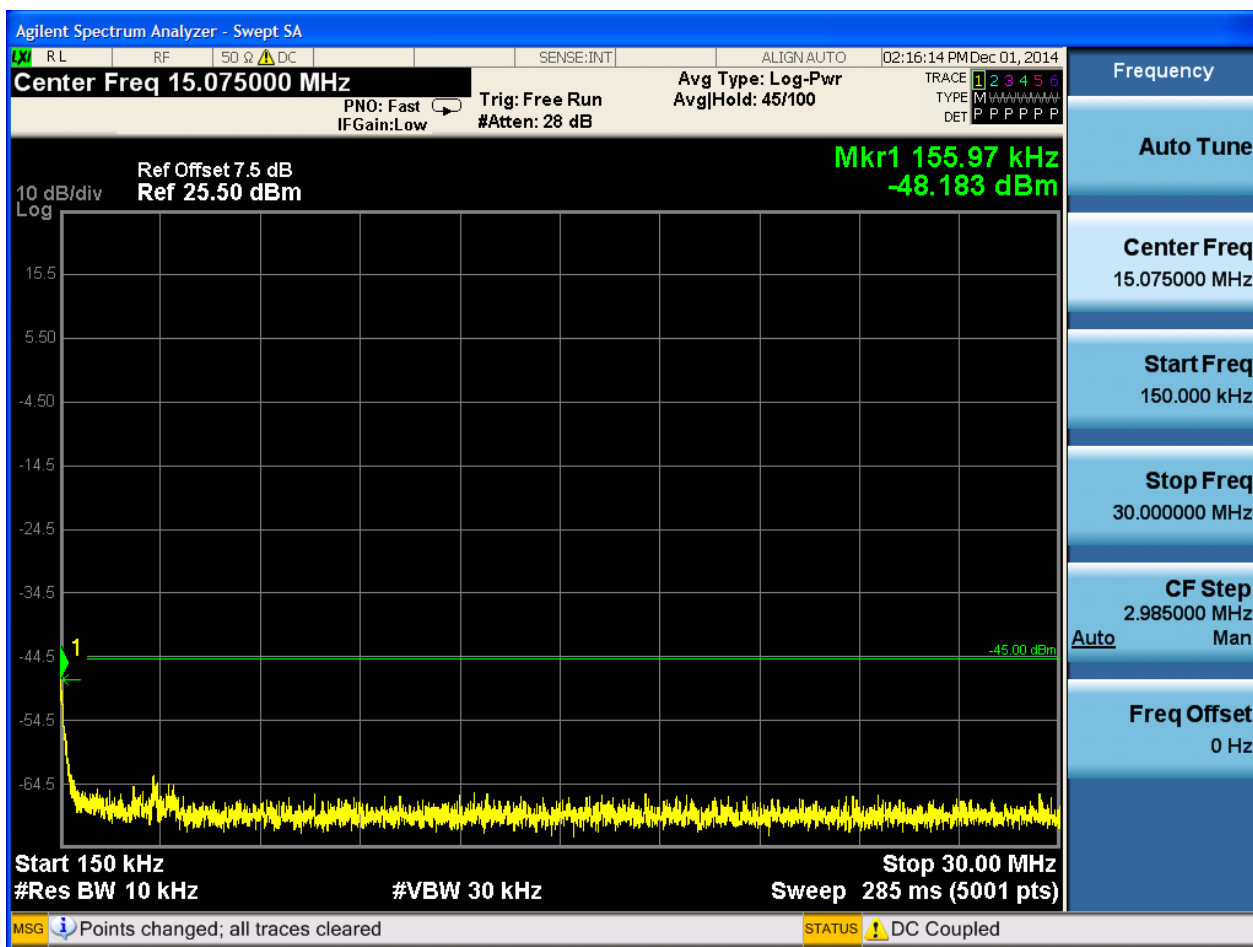


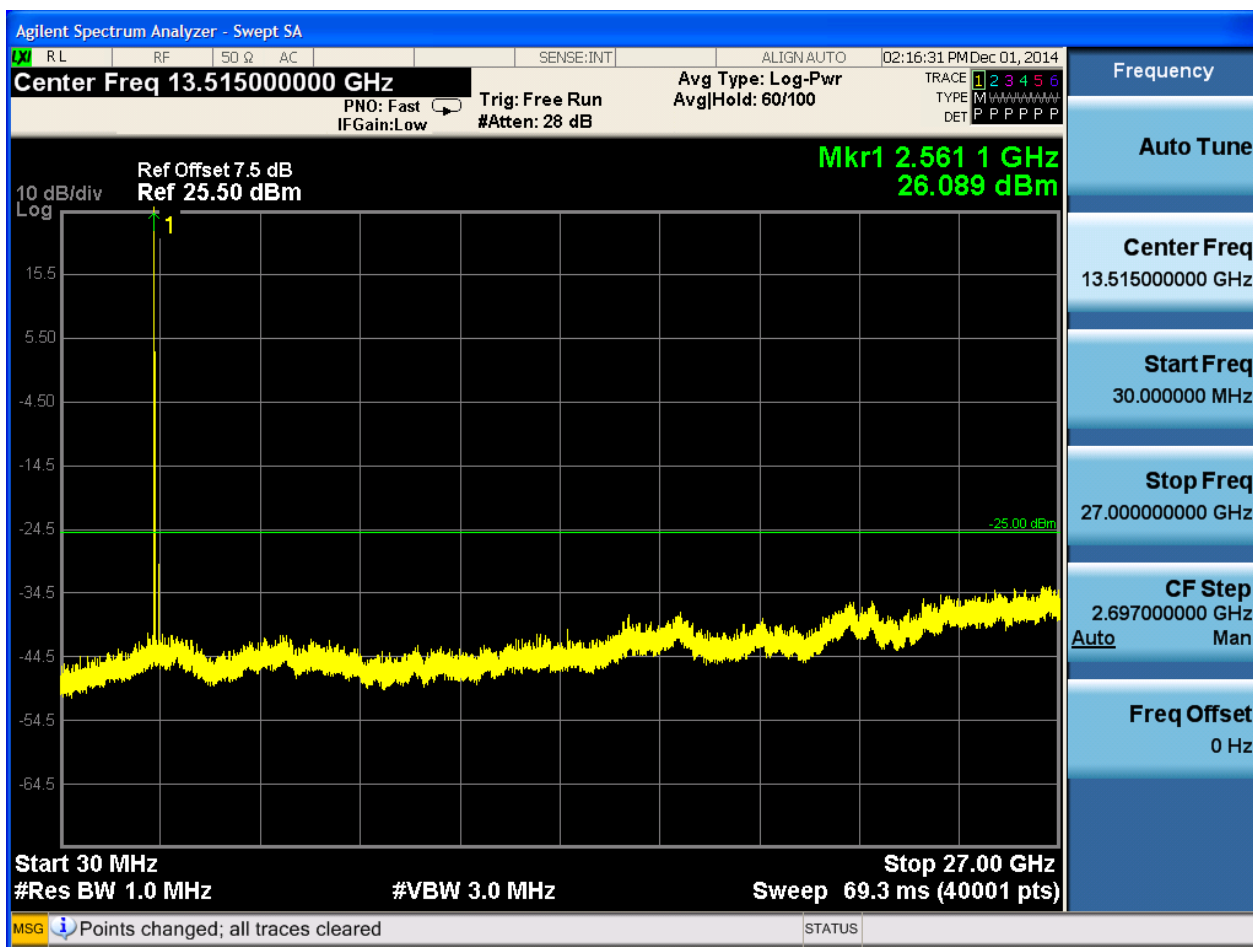


6.3.3.1.2.3 Test Channel = HCH

6.3.3.1.2.3.1 Test RB = RB1#0





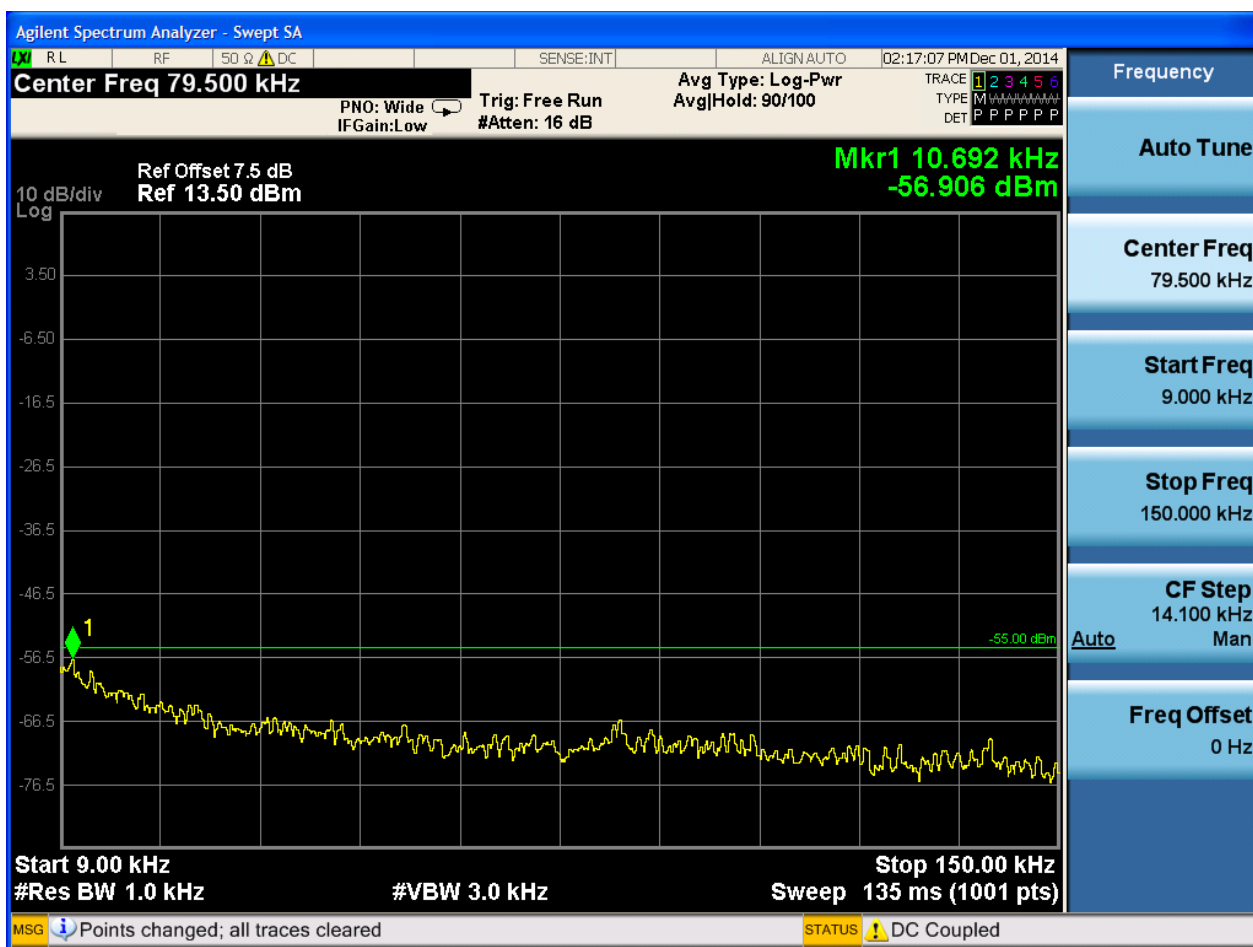


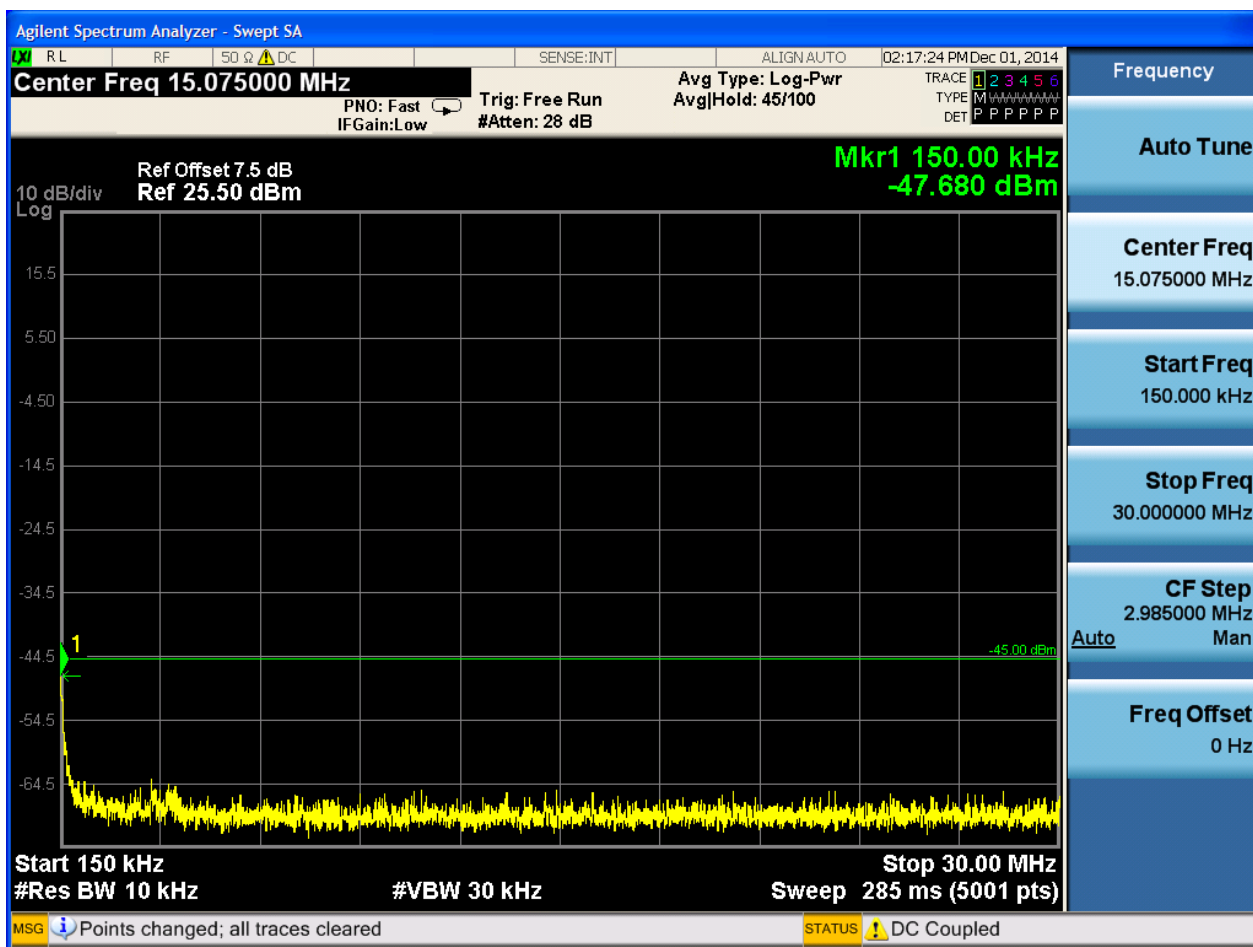


6.3.3.1.3 Test Bandwidth = 15

6.3.3.1.3.1 Test Channel = LCH

6.3.3.1.3.1.1 Test RB = RB1#0



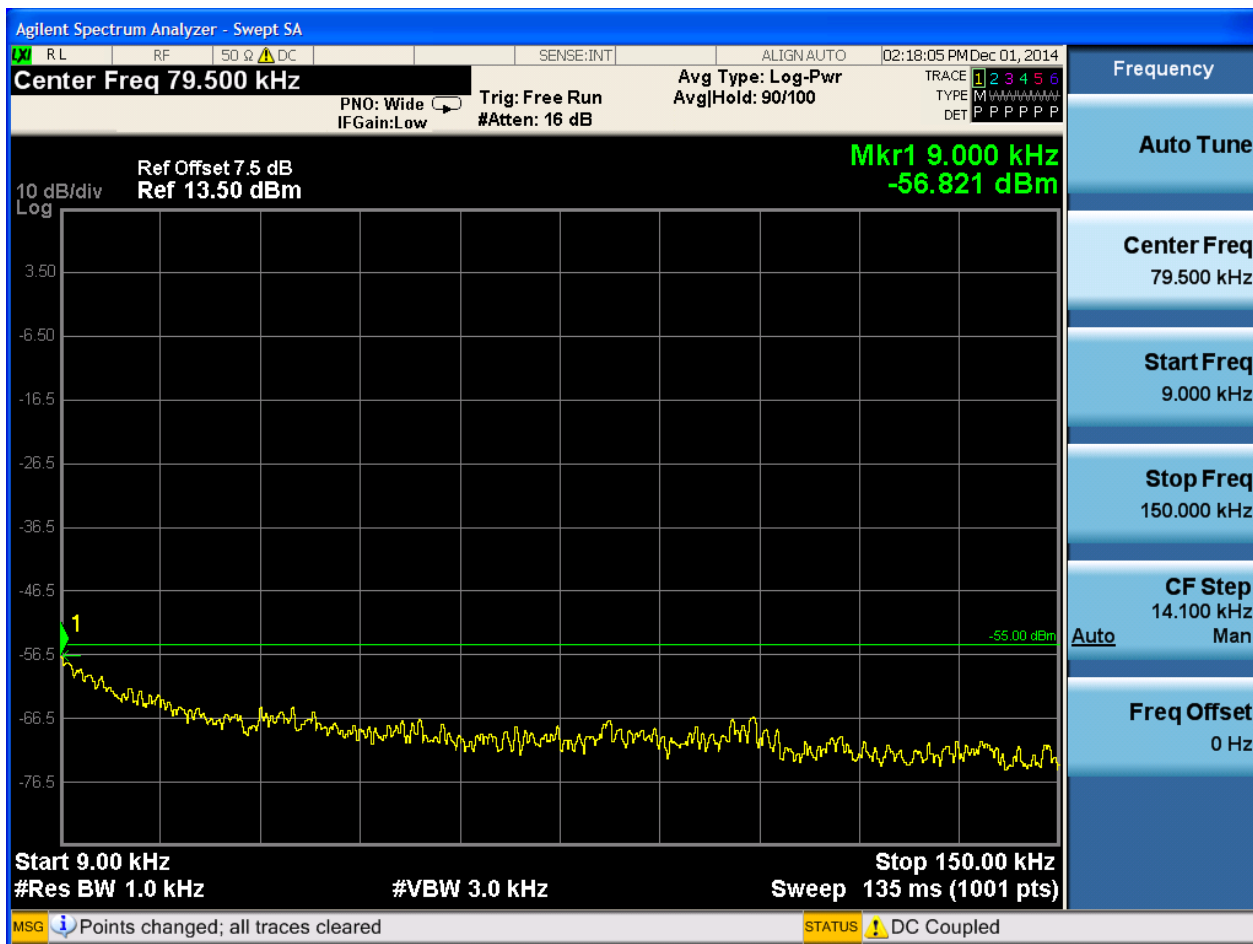


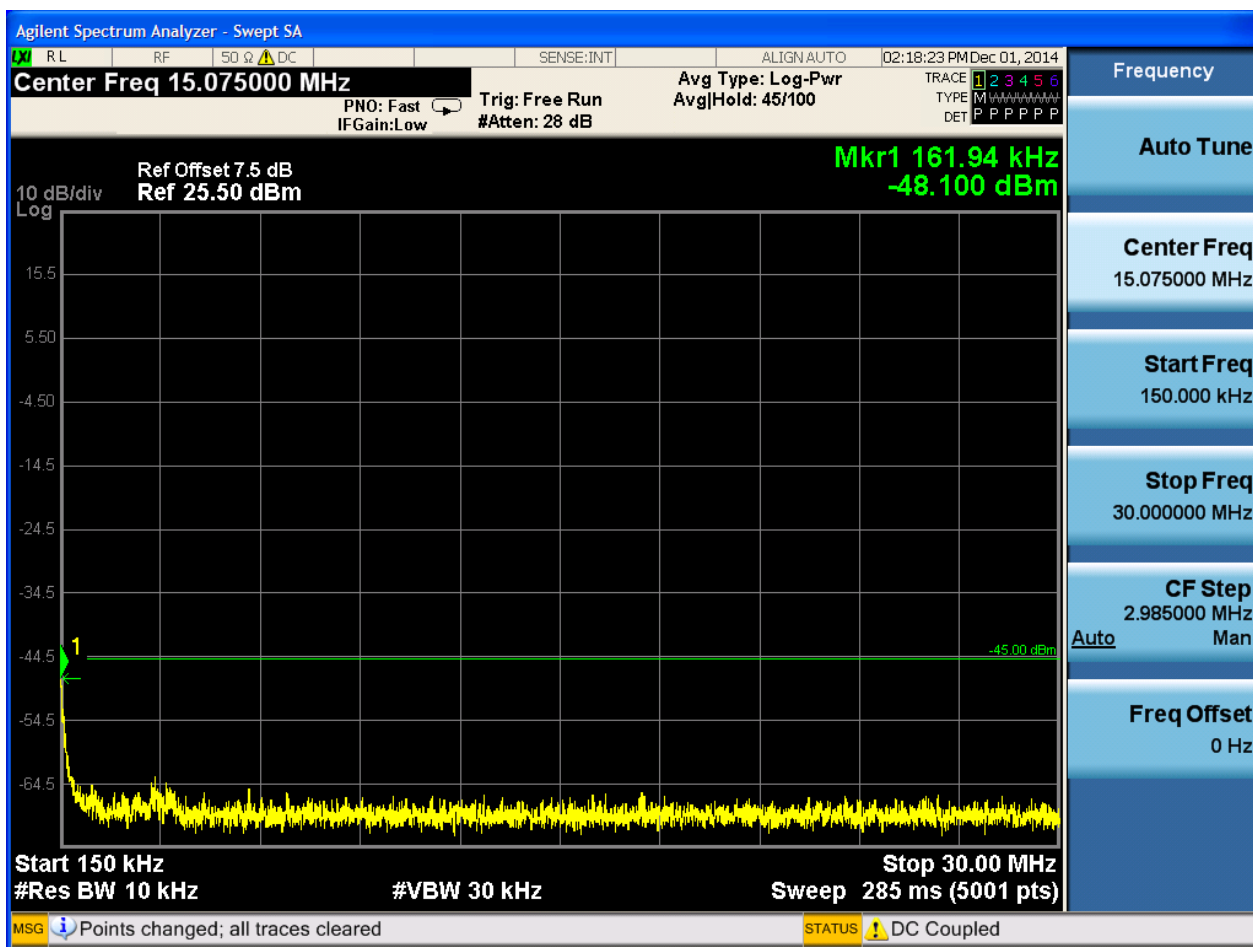


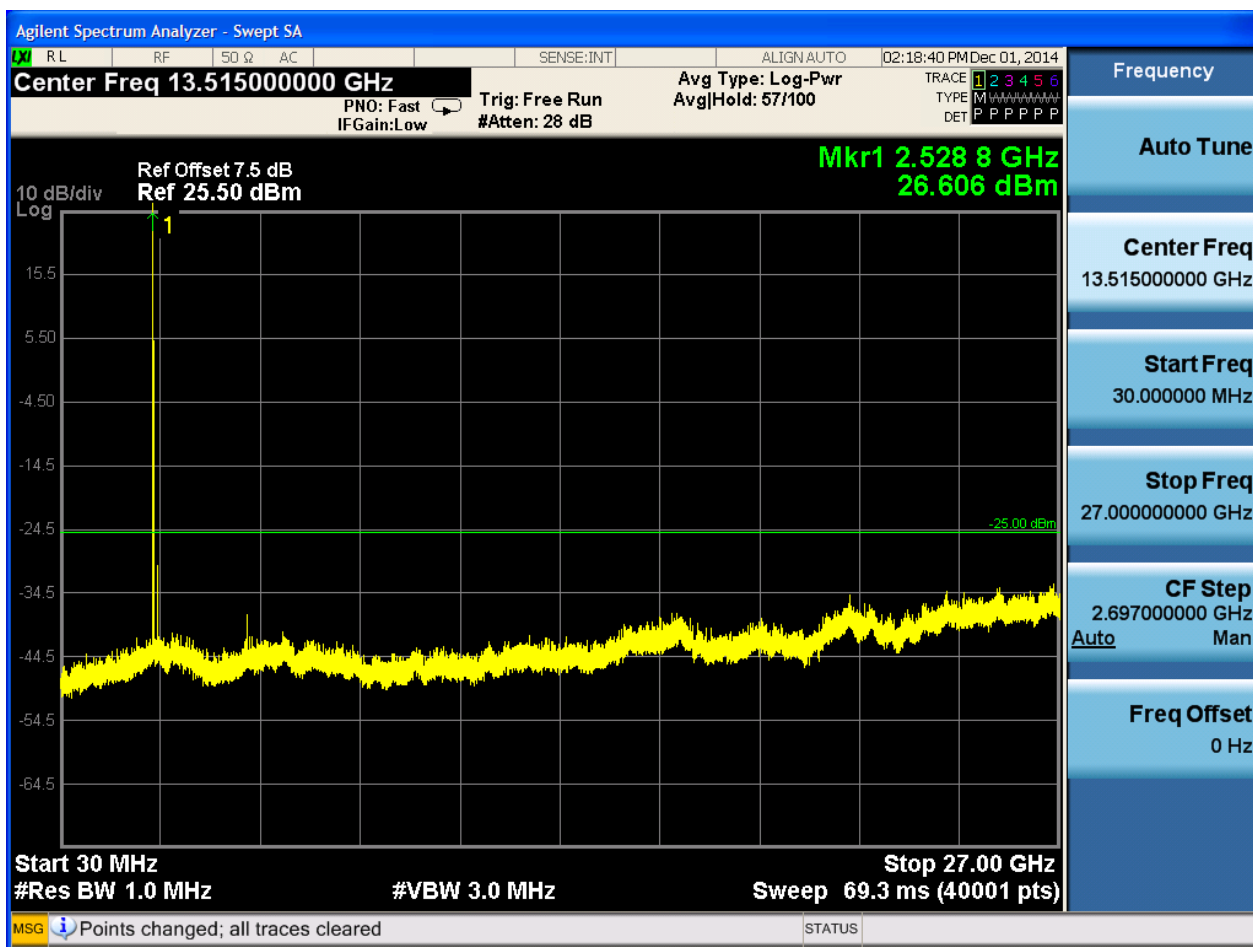


6.3.3.1.3.2 Test Channel = MCH

6.3.3.1.3.2.1 Test RB = RB1#0



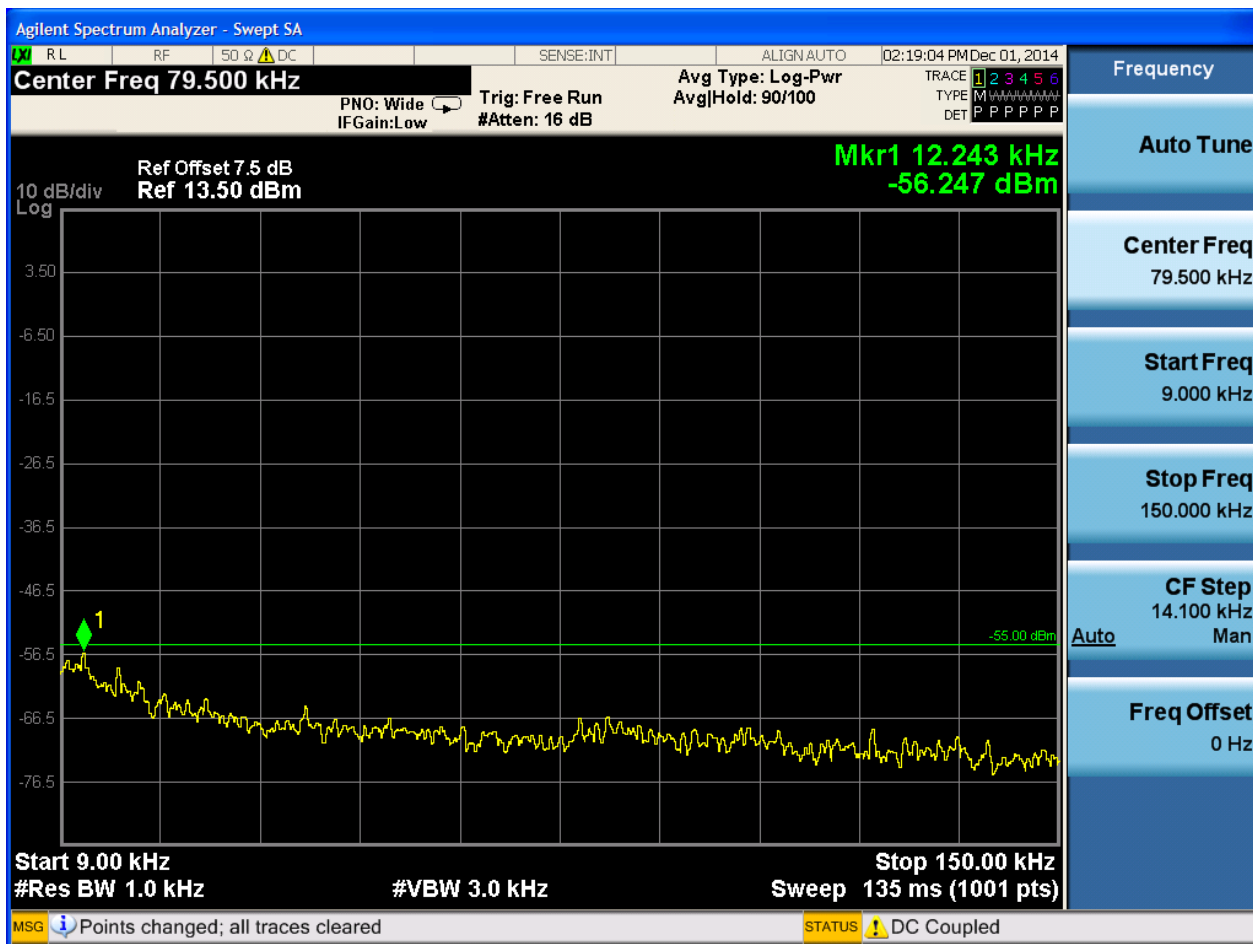


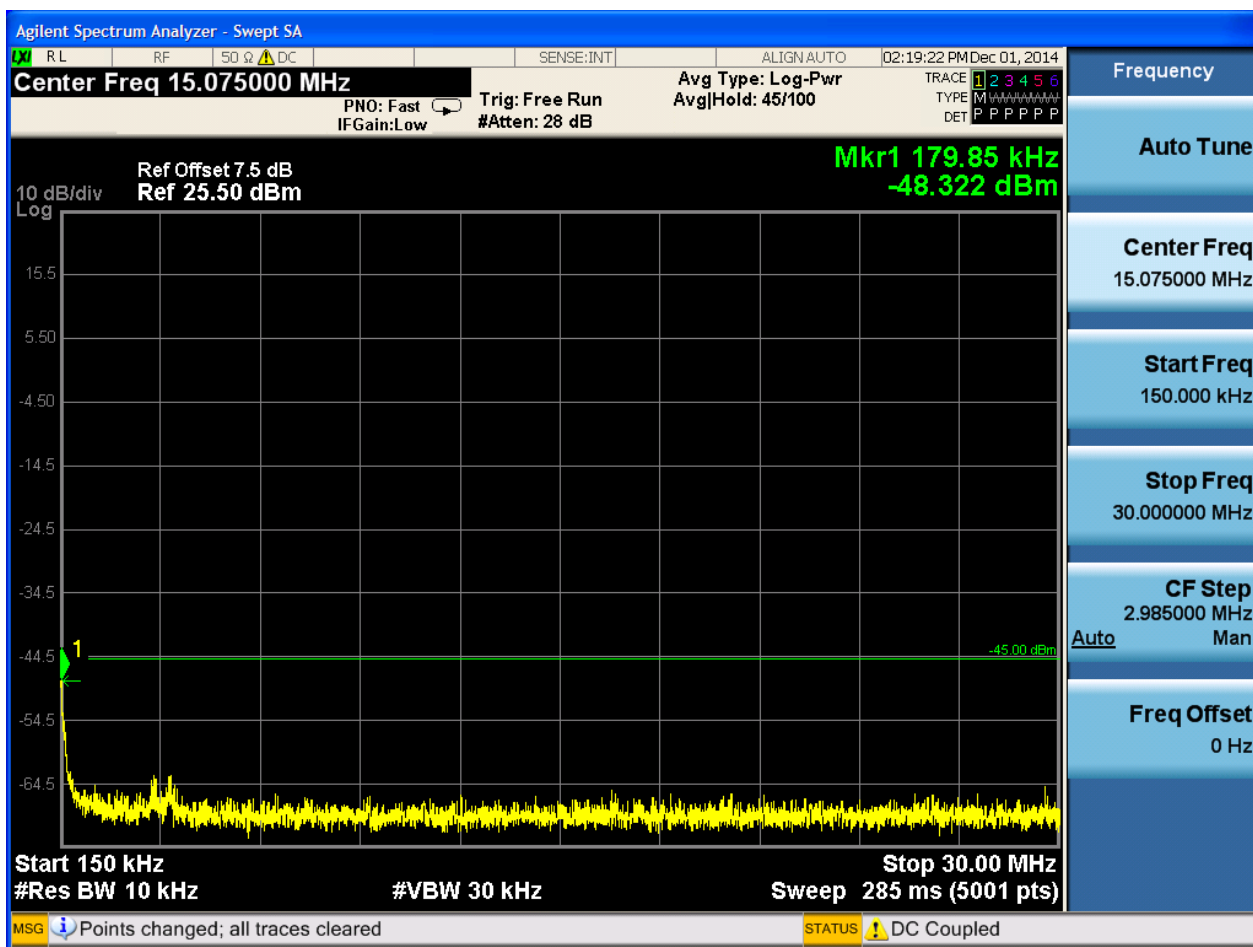


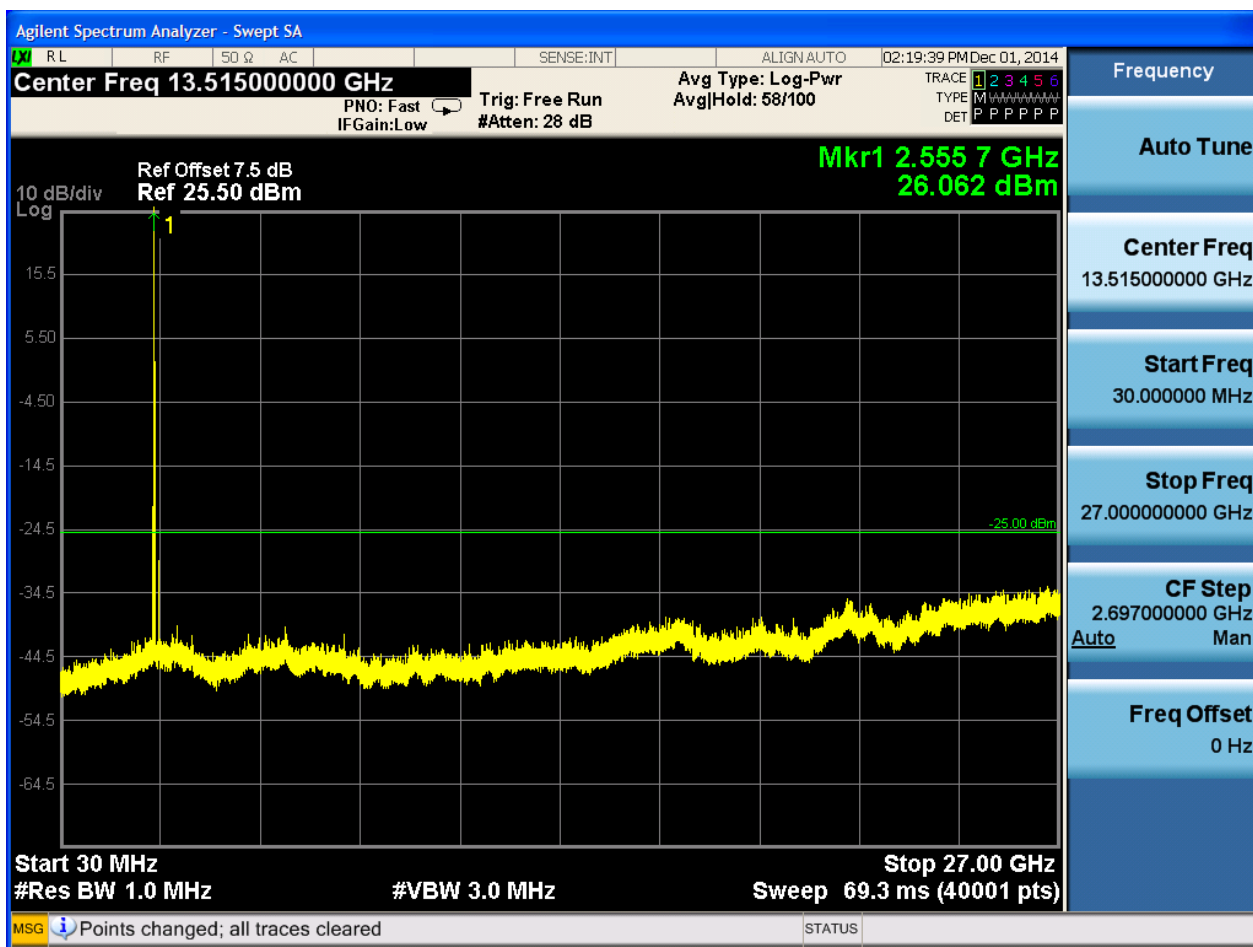


6.3.3.1.3.3 Test Channel = HCH

6.3.3.1.3.3.1 Test RB = RB1#0





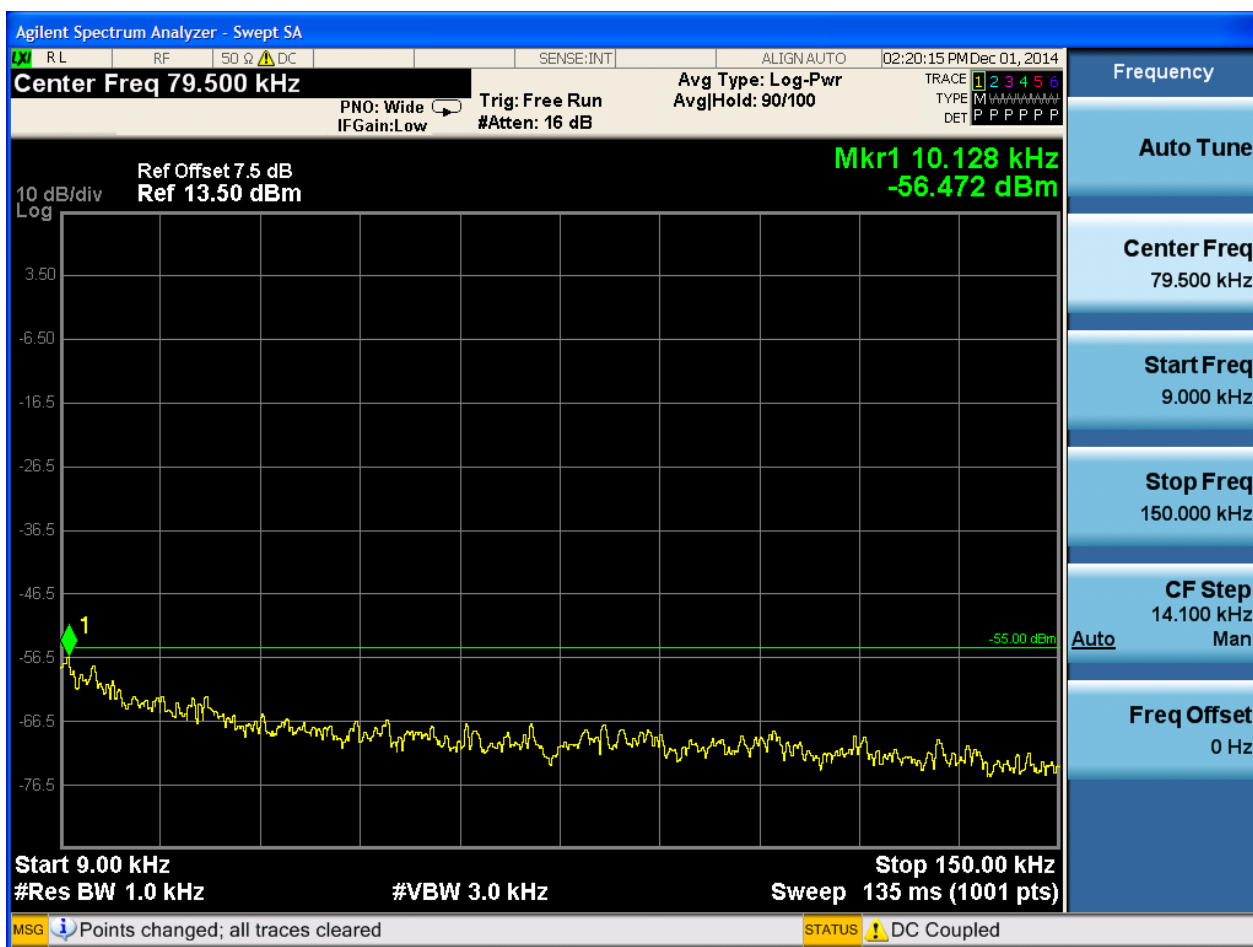


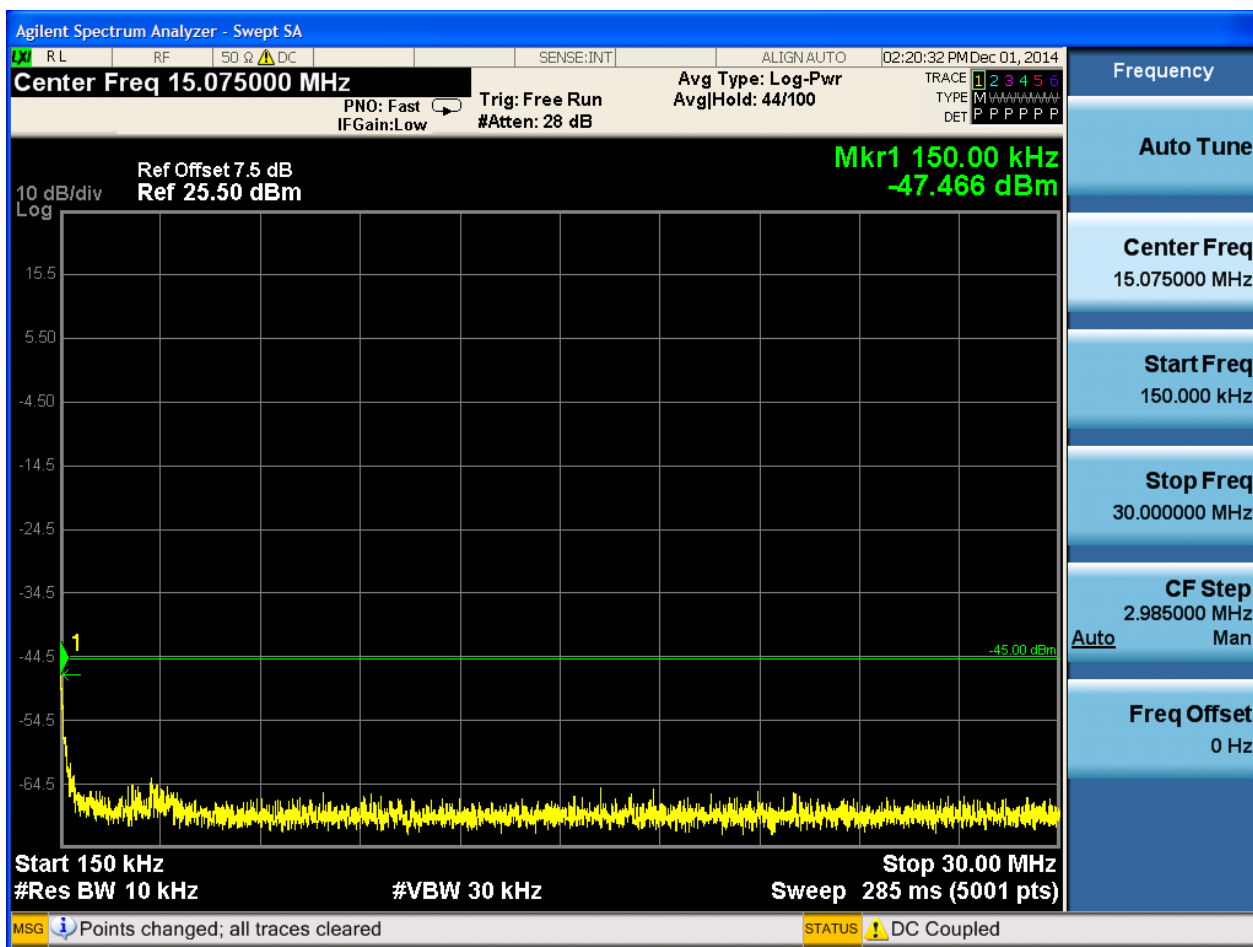


6.3.3.1.4 Test Bandwidth = 20

6.3.3.1.4.1 Test Channel = LCH

6.3.3.1.4.1.1 Test RB = RB1#0



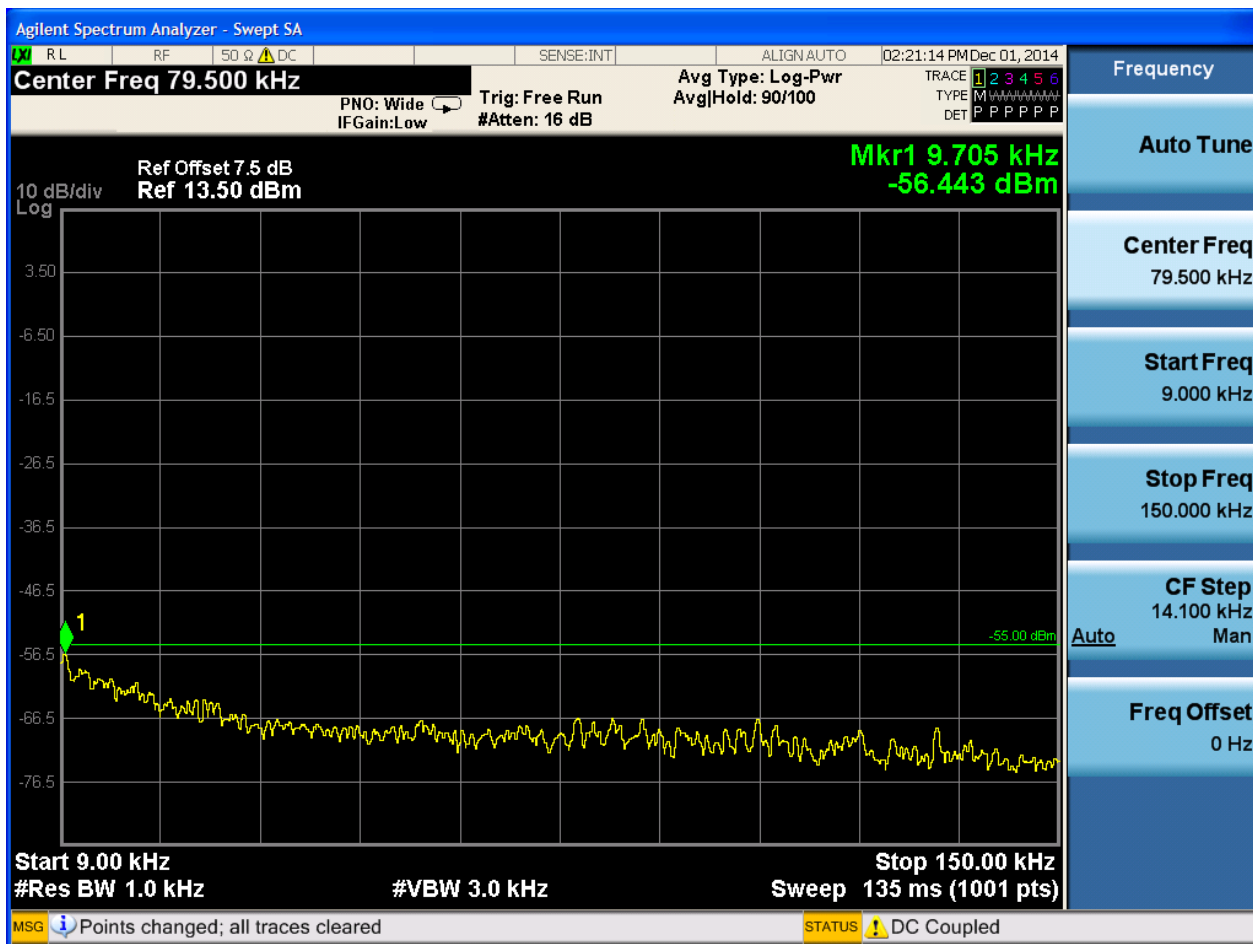


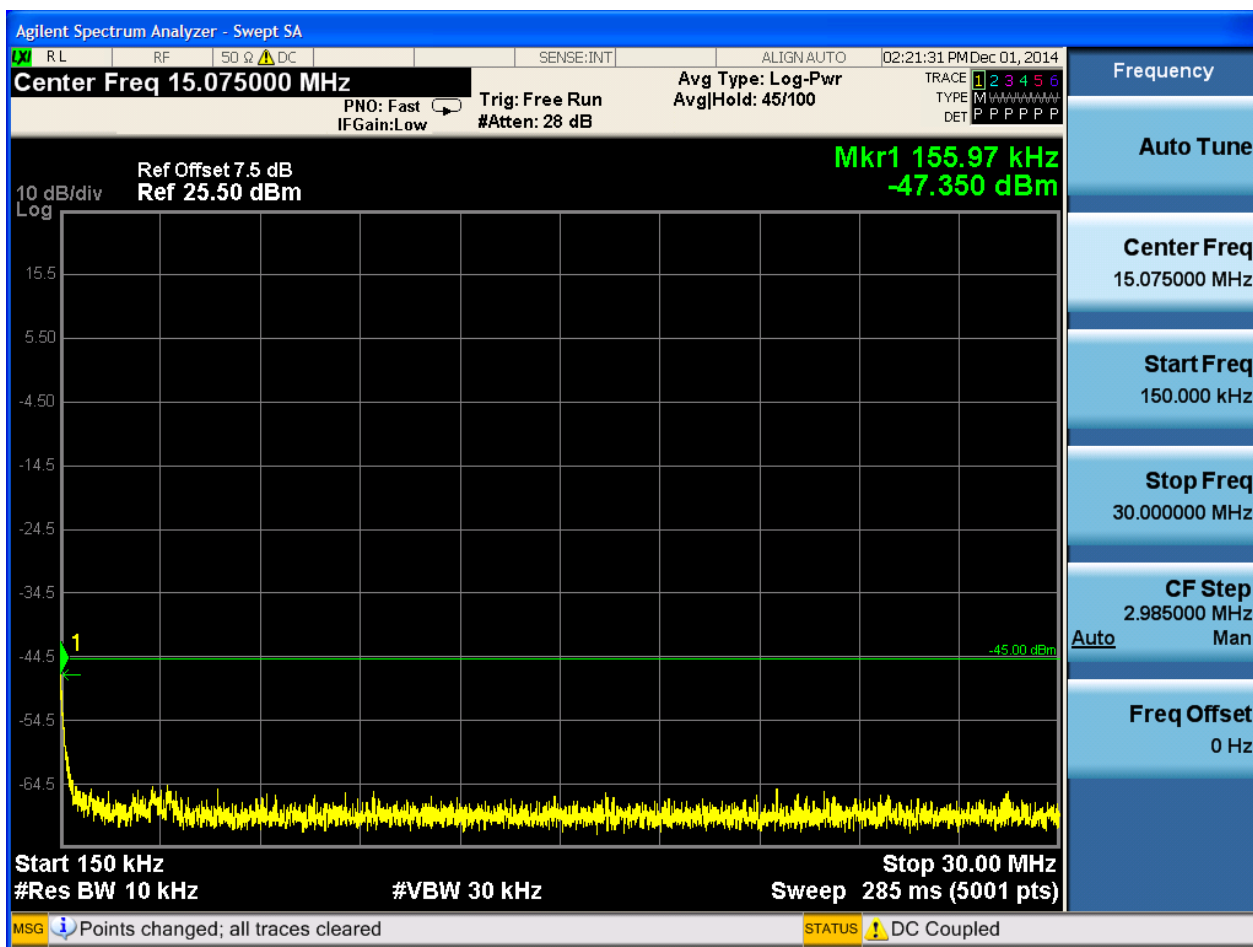




6.3.3.1.4.2 Test Channel = MCH

6.3.3.1.4.2.1 Test RB = RB1#0



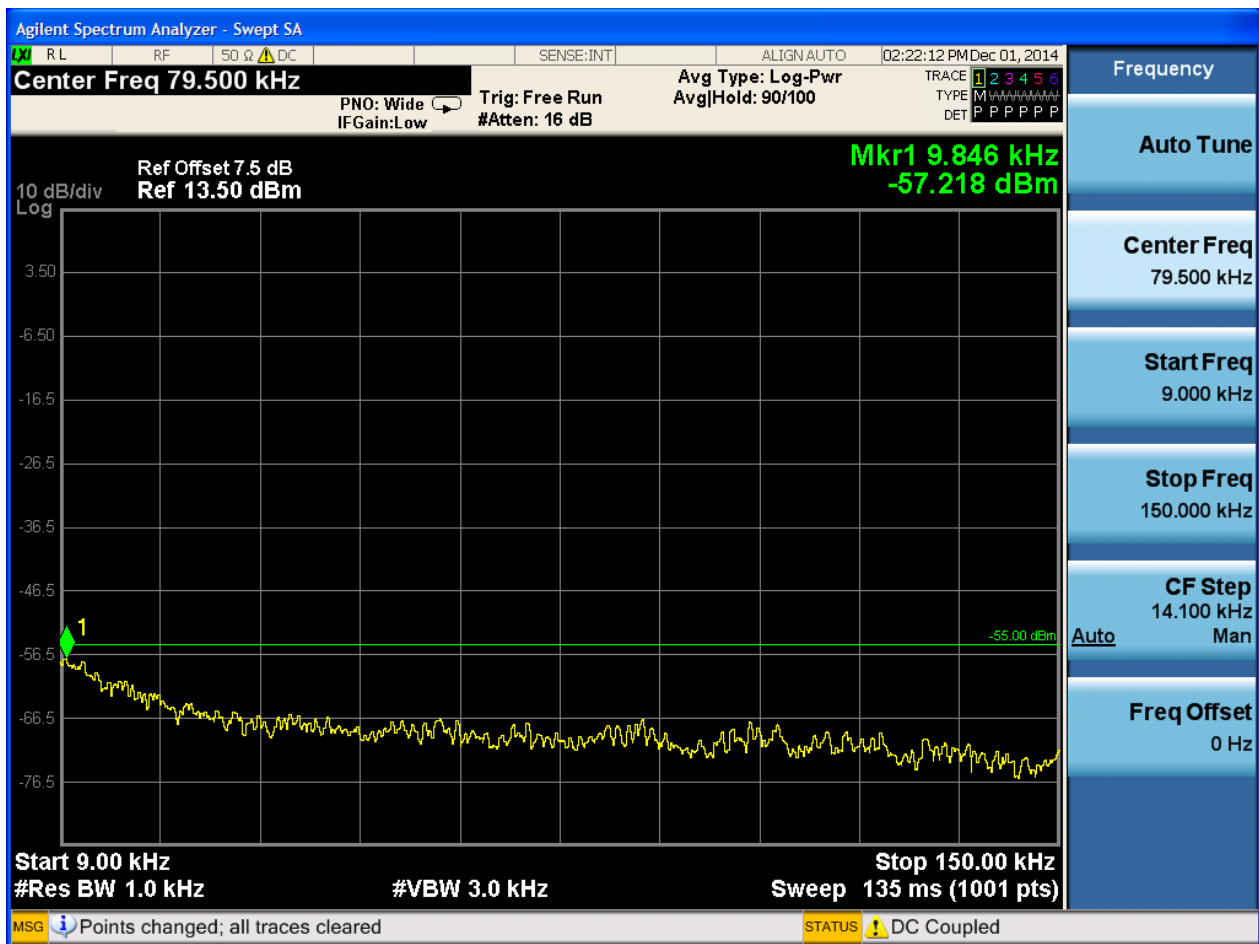




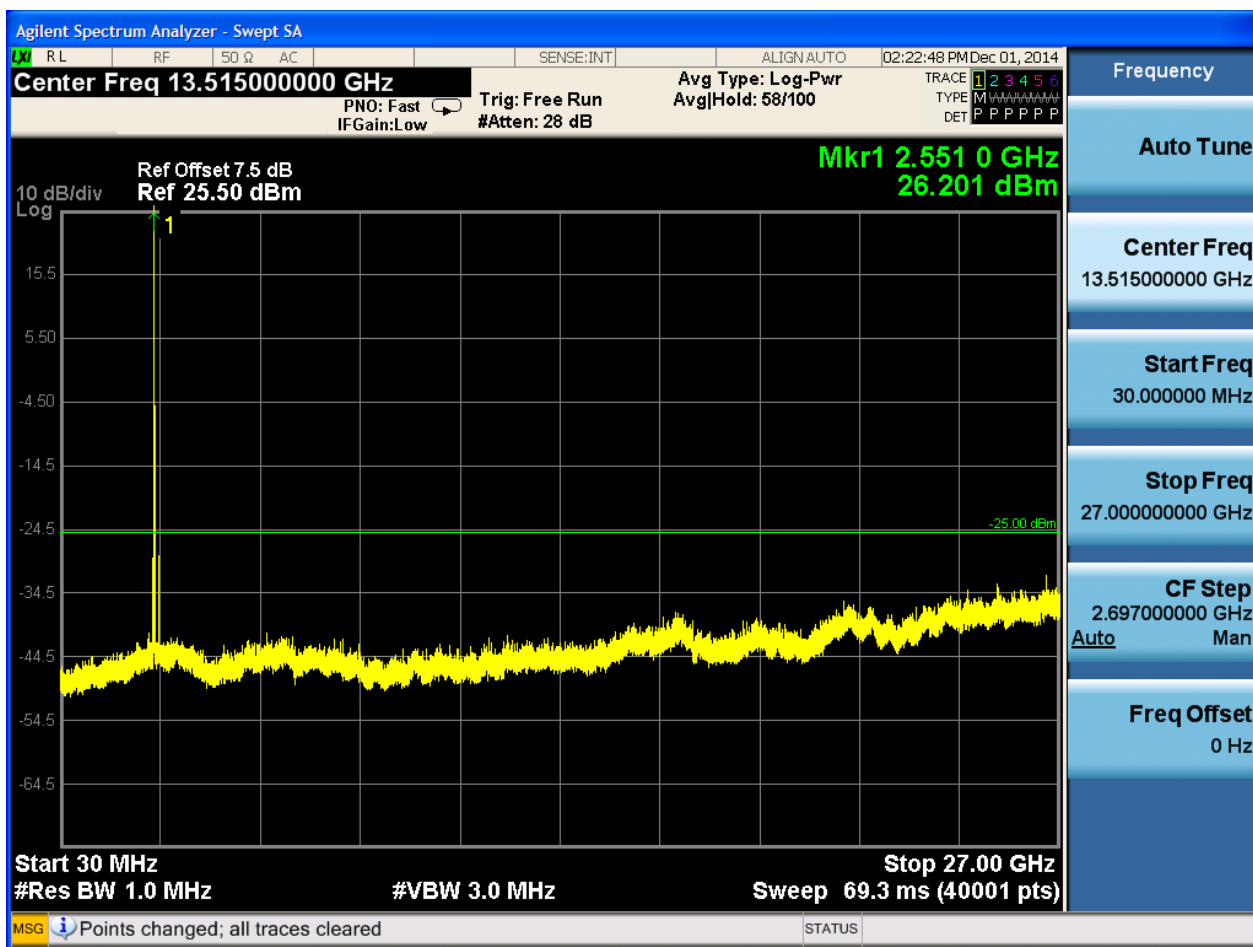


6.3.3.1.4.3 Test Channel = HCH

6.3.3.1.4.3.1 Test RB = RB1#0







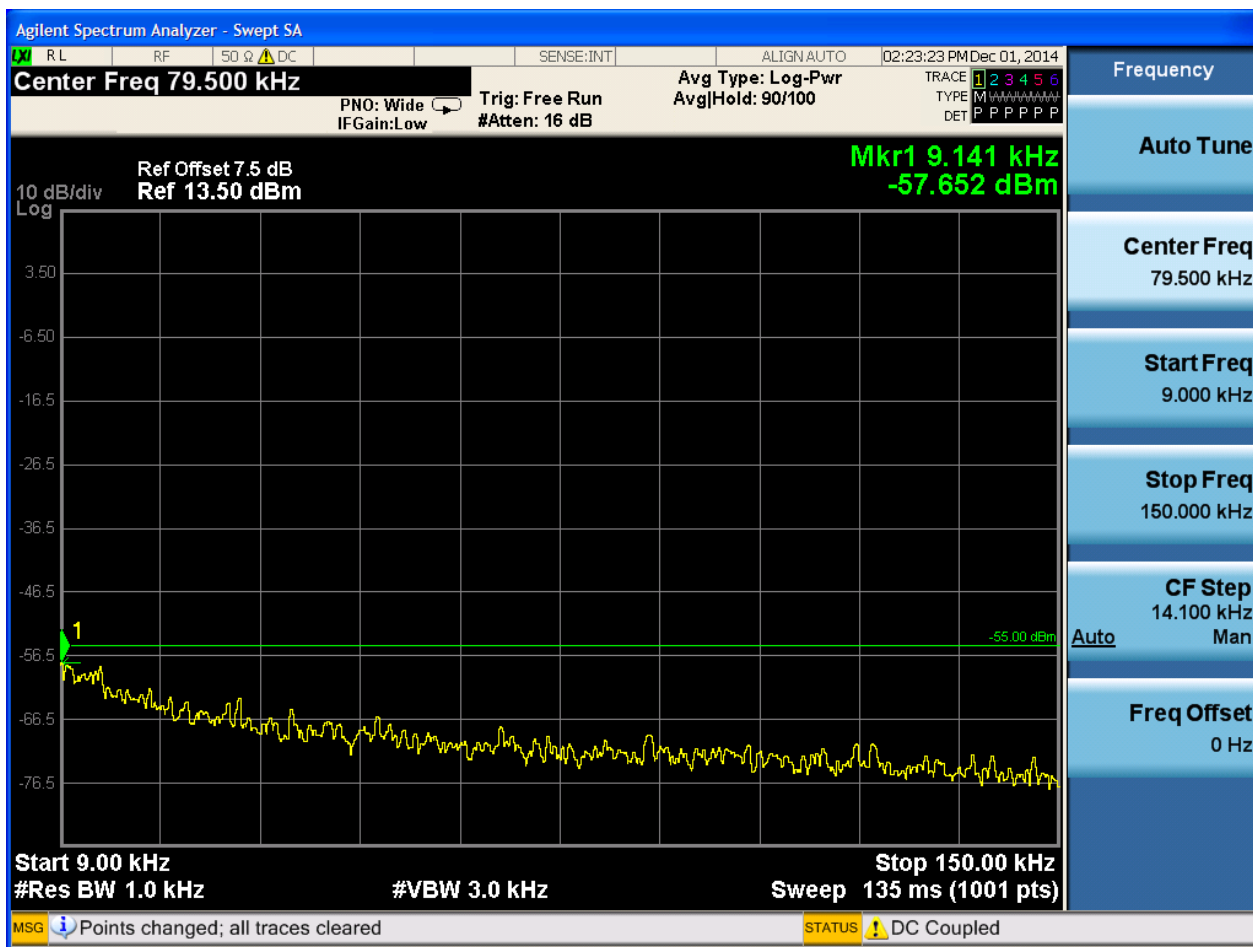


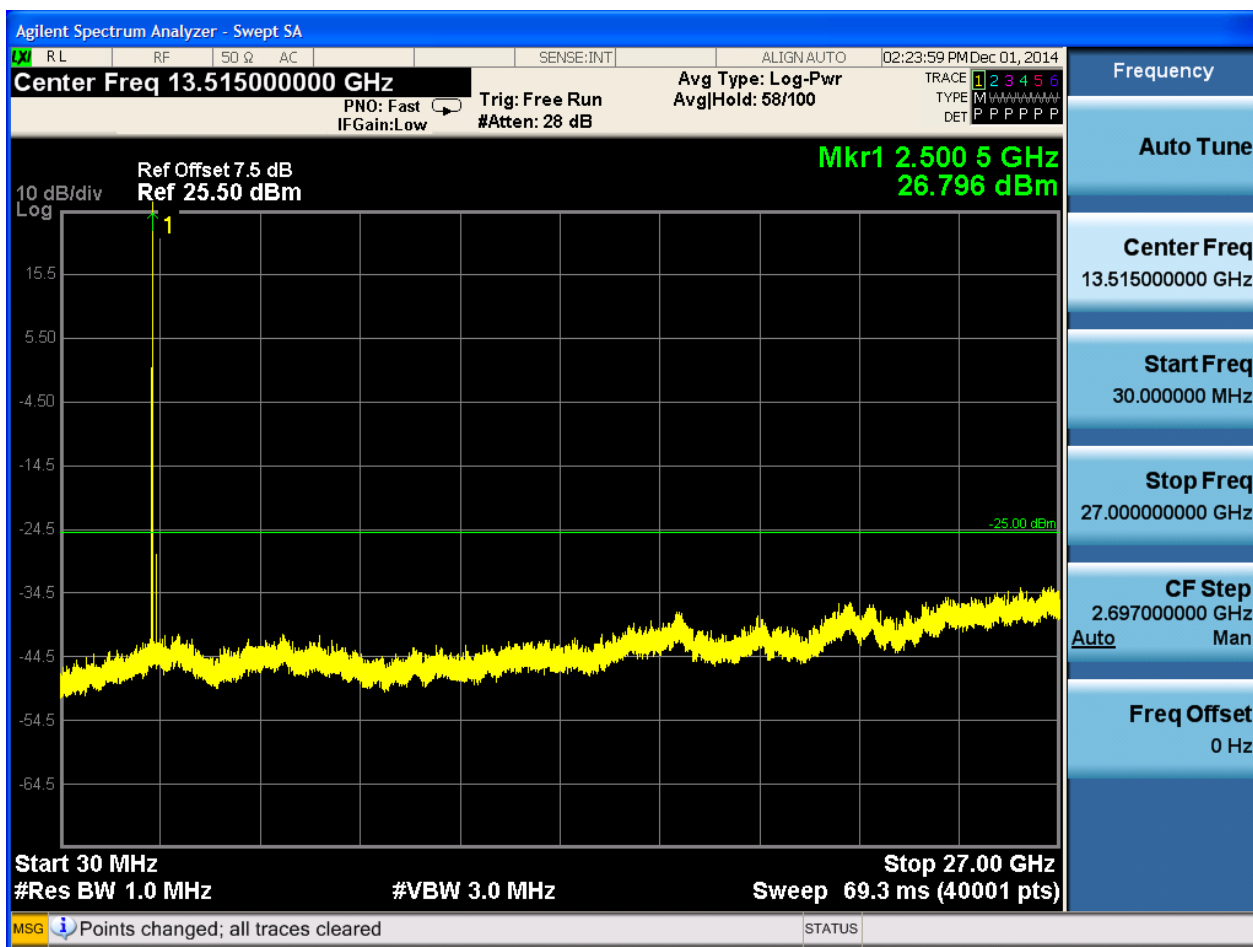
6.3.3.2 Test Mode = LTE/TM2

6.3.3.2.1 Test Bandwidth = 5

6.3.3.2.1.1 Test Channel = LCH

6.3.3.2.1.1.1 Test RB = RB1#0

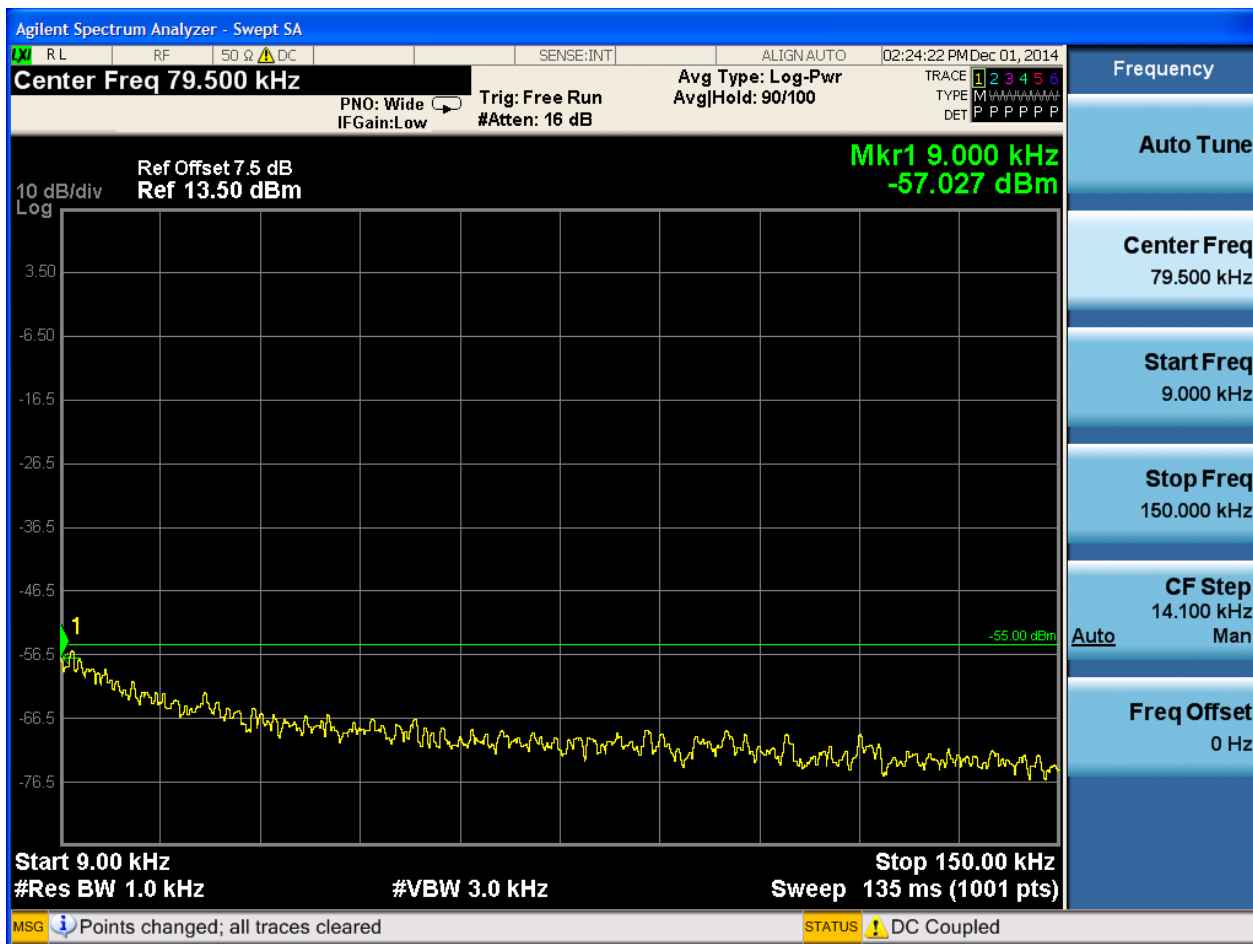




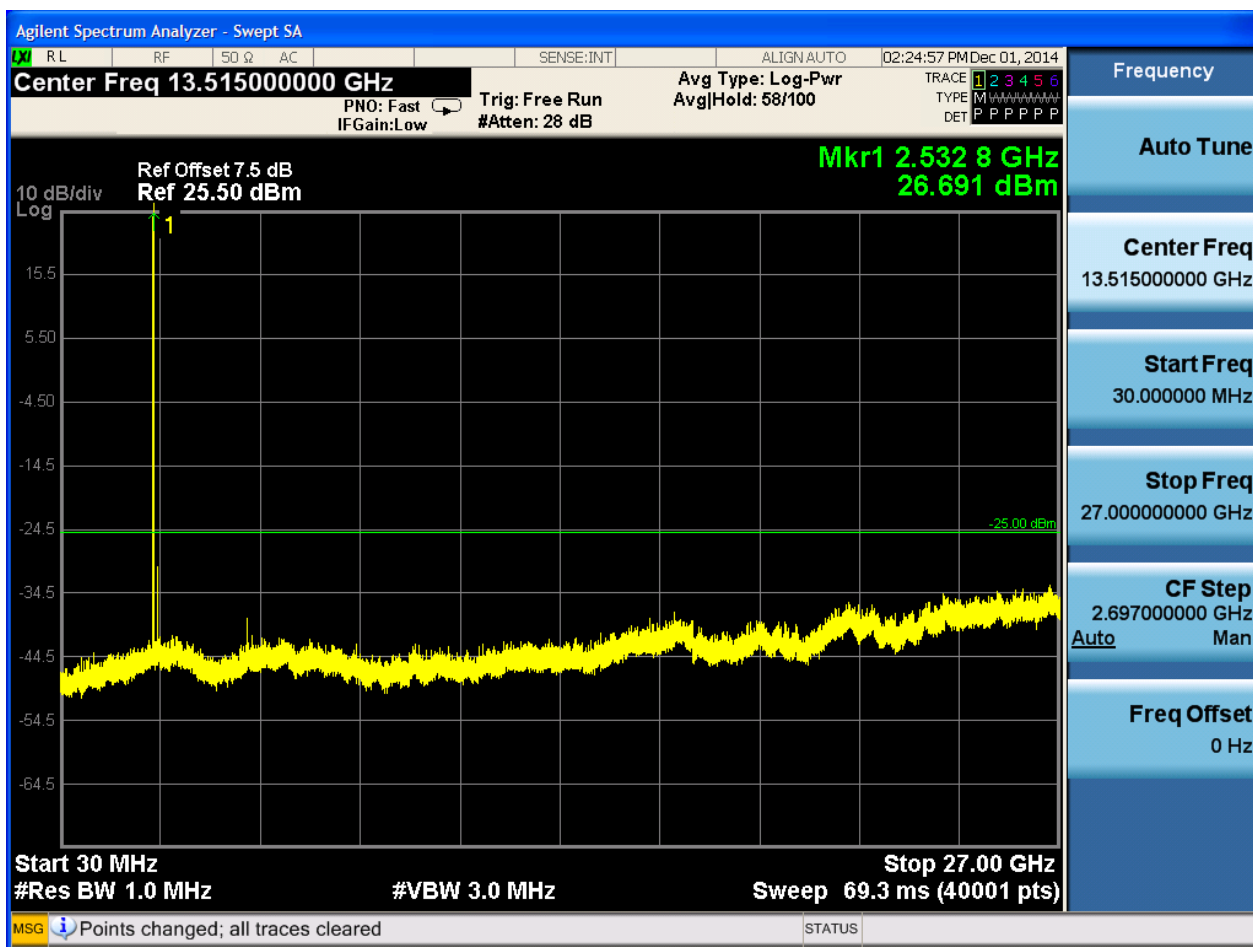


6.3.3.2.1.2 Test Channel = MCH

6.3.3.2.1.2.1 Test RB = RB1#0



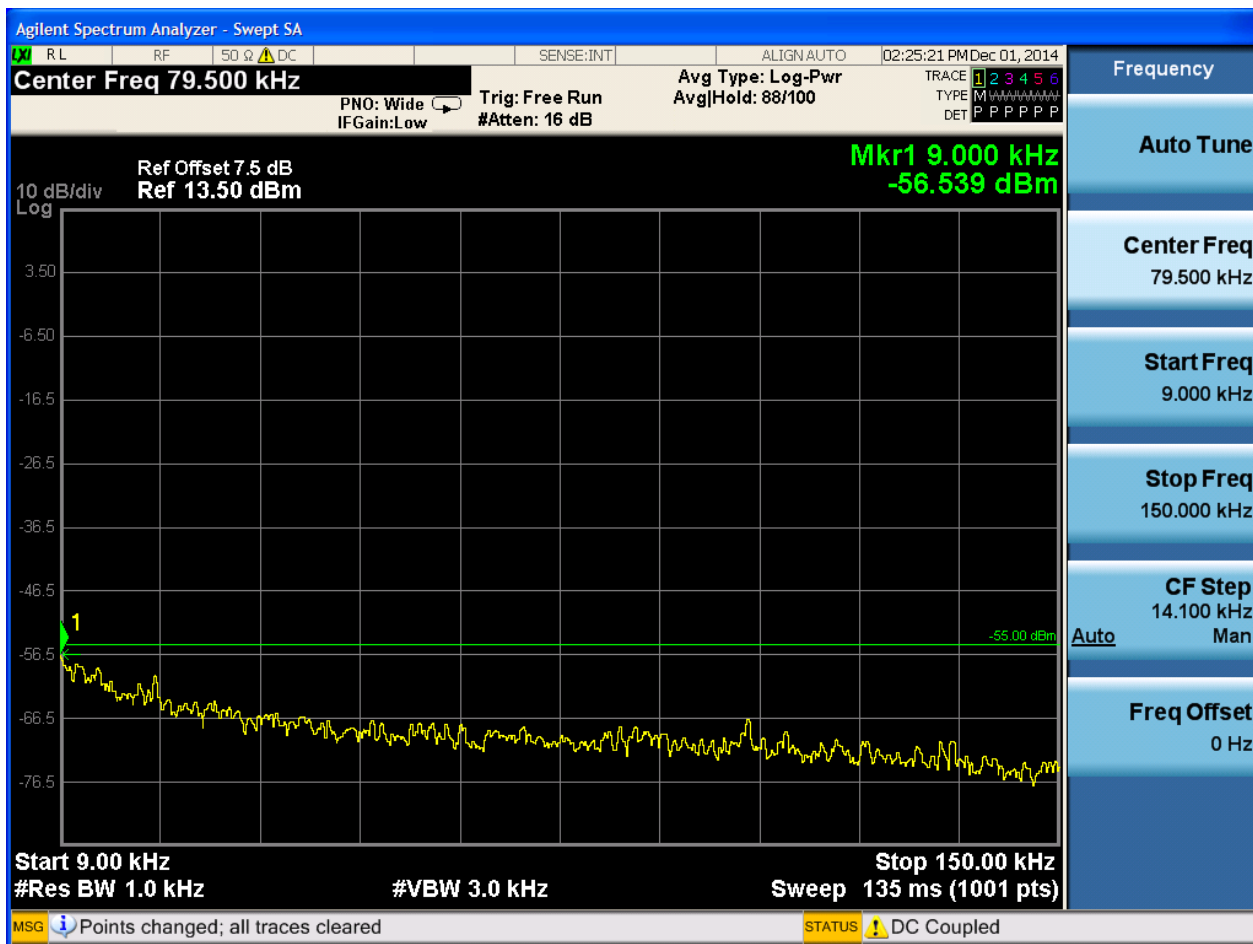


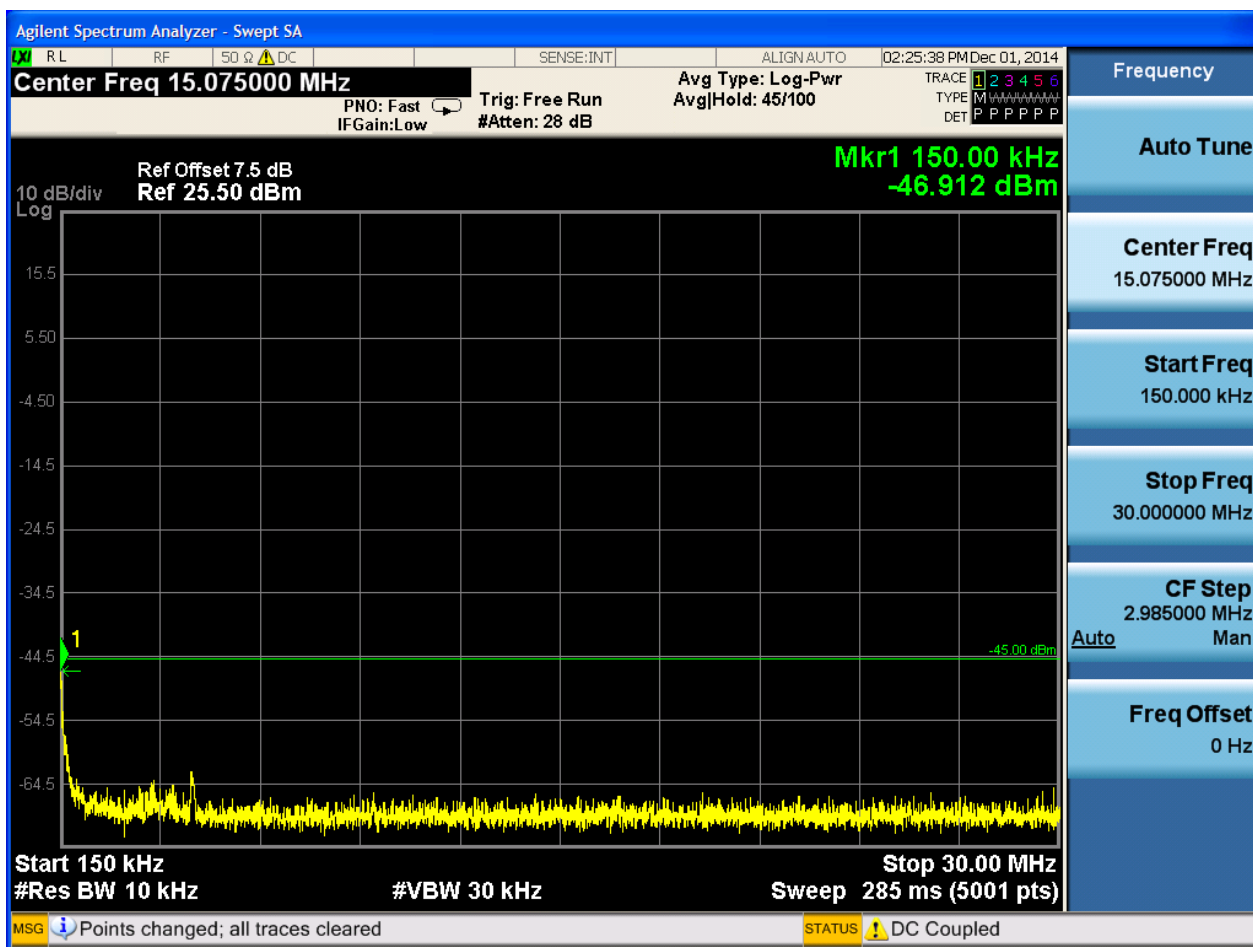


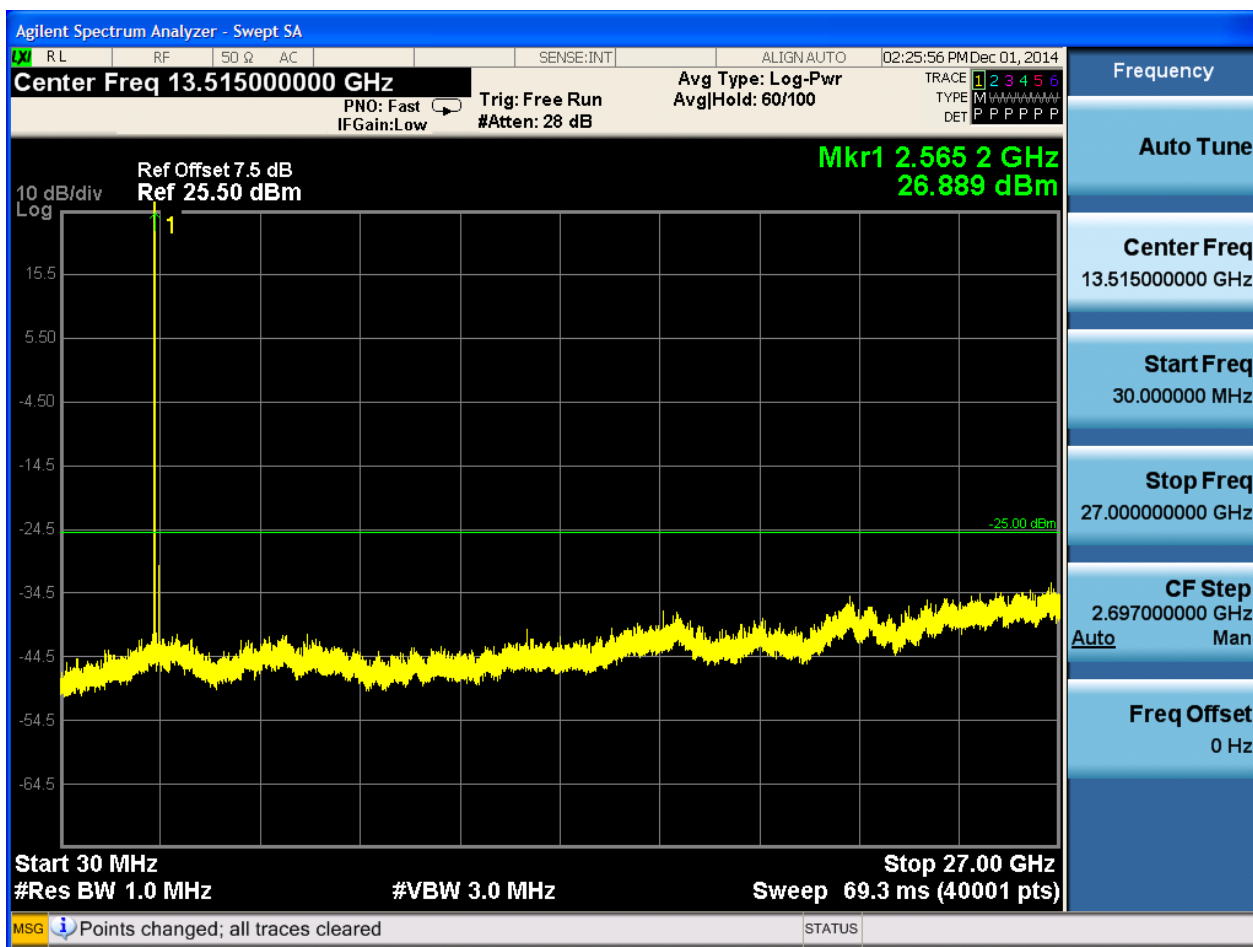


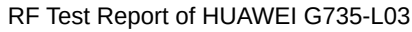
6.3.3.2.1.3 Test Channel = HCH

6.3.3.2.1.3.1 Test RB = RB1#0

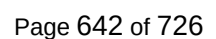


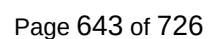
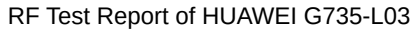


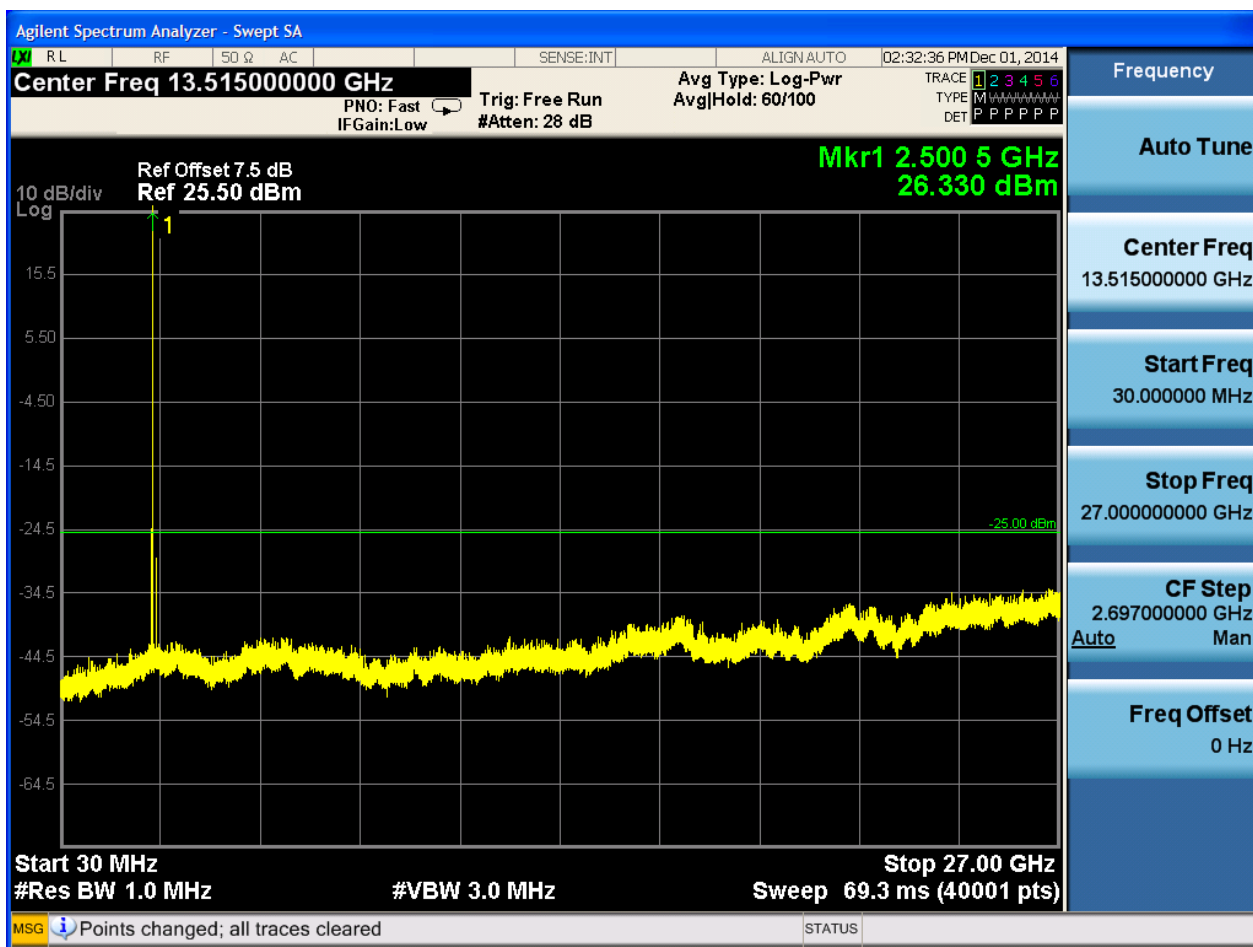




6.3.3.2.2.1.1 Test RB = RB1#0



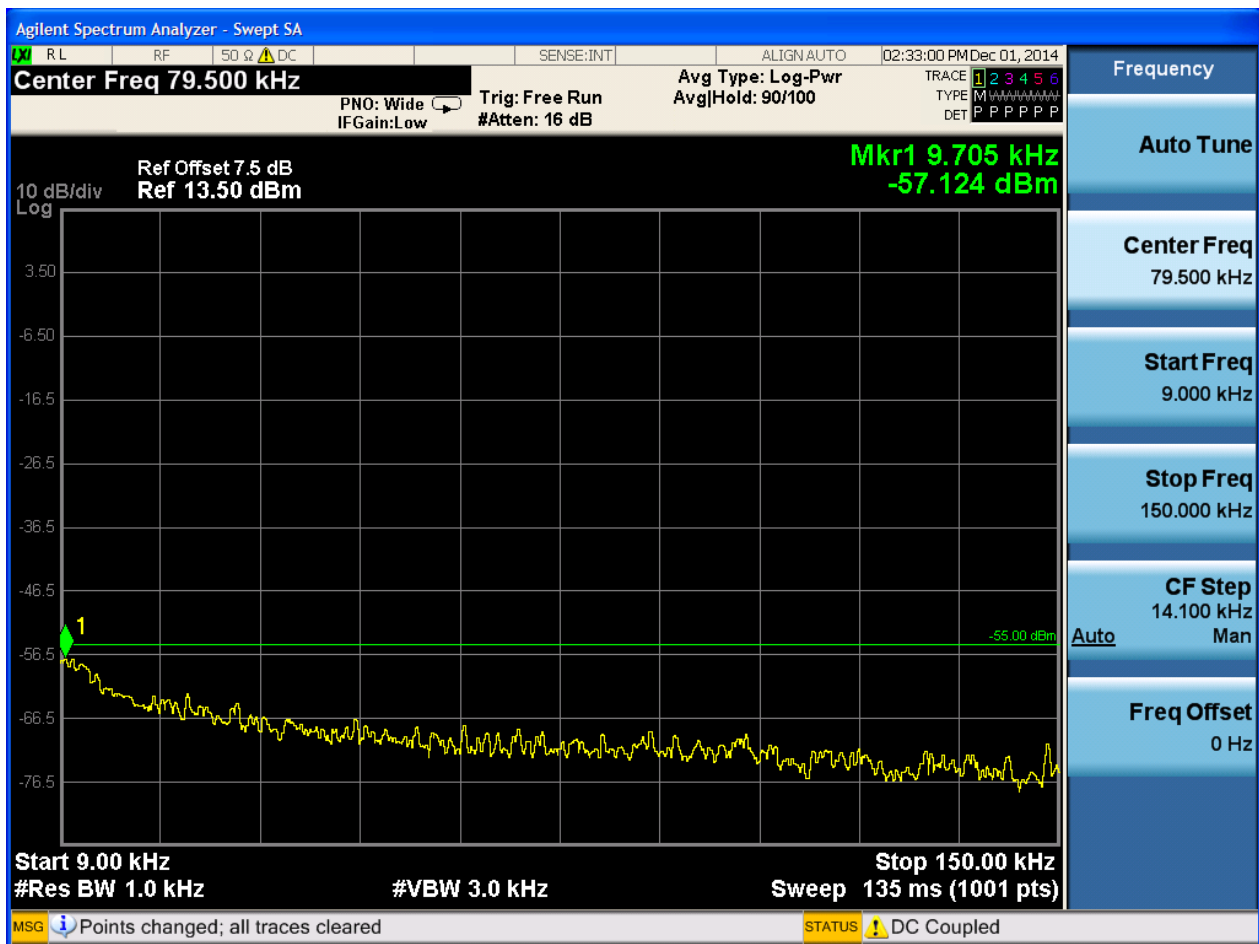


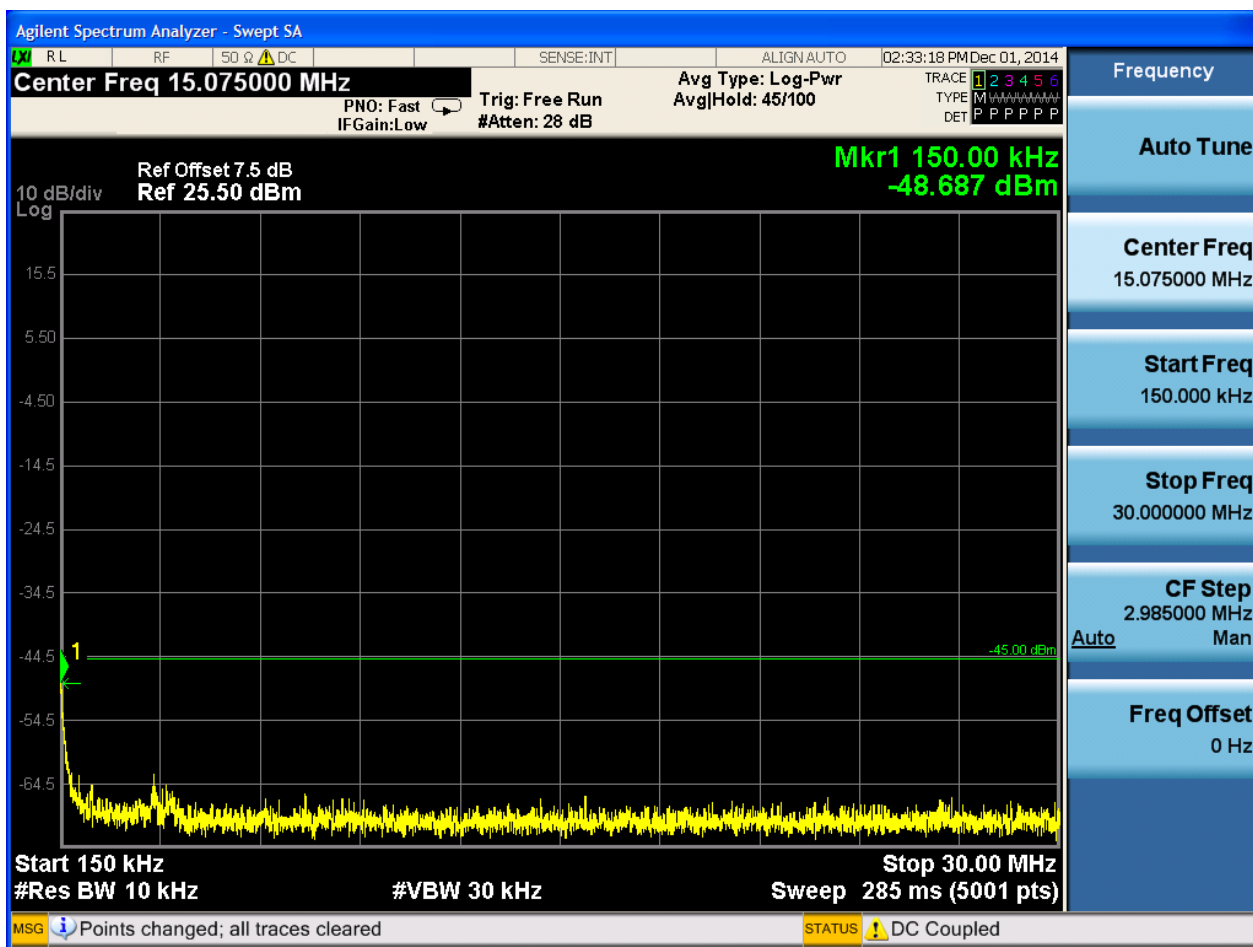


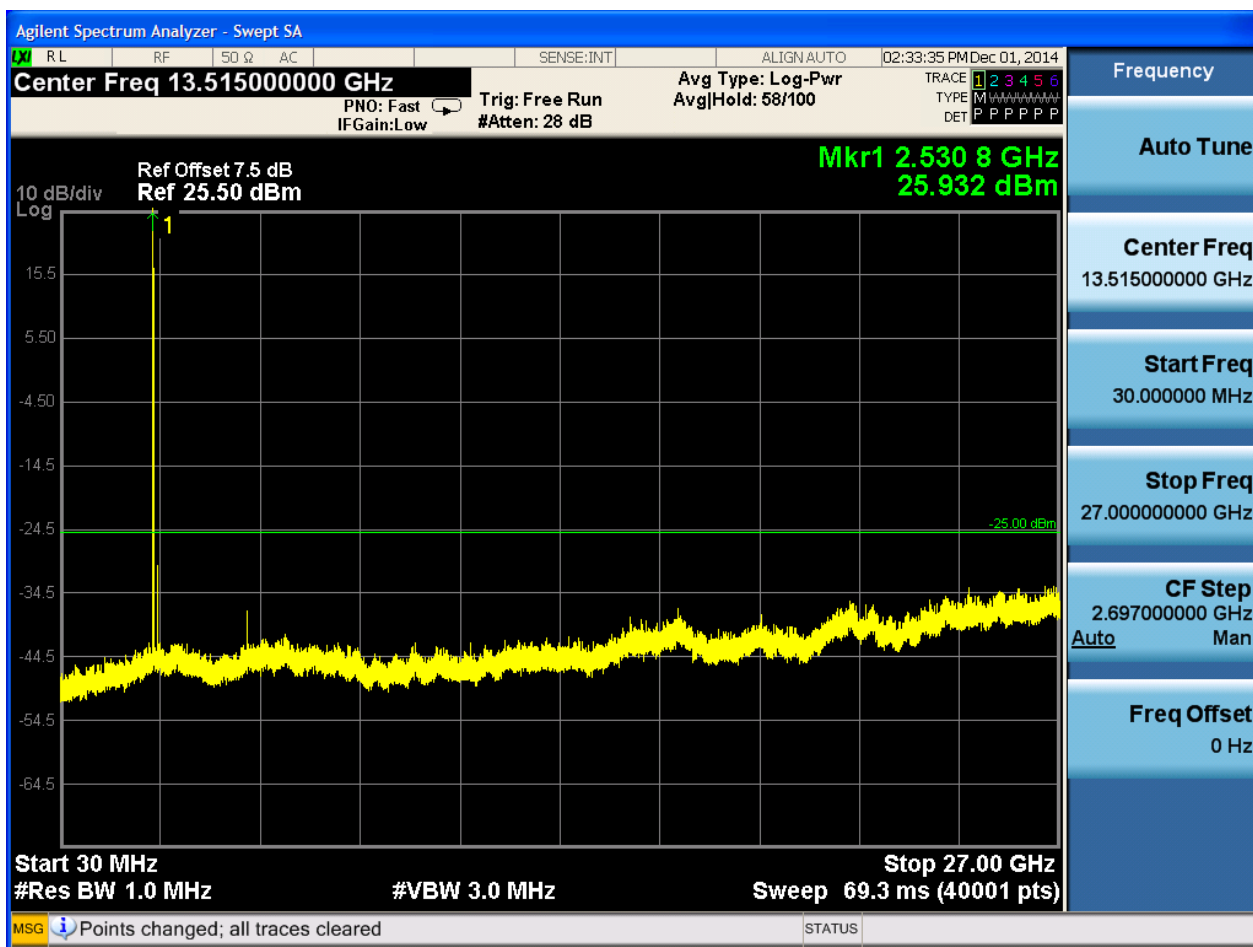


6.3.3.2.2 Test Channel = MCH

6.3.3.2.2.1 Test RB = RB1#0



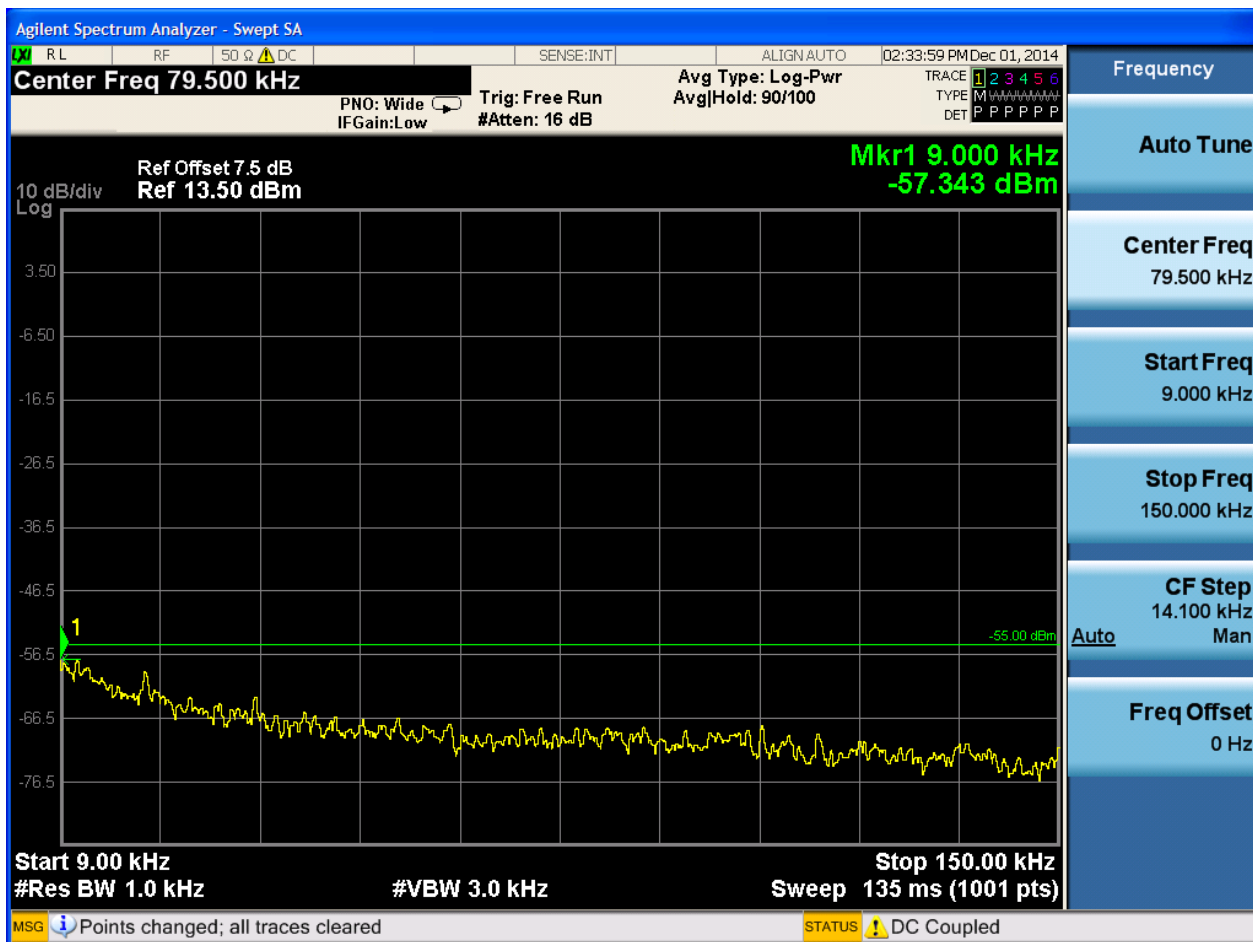




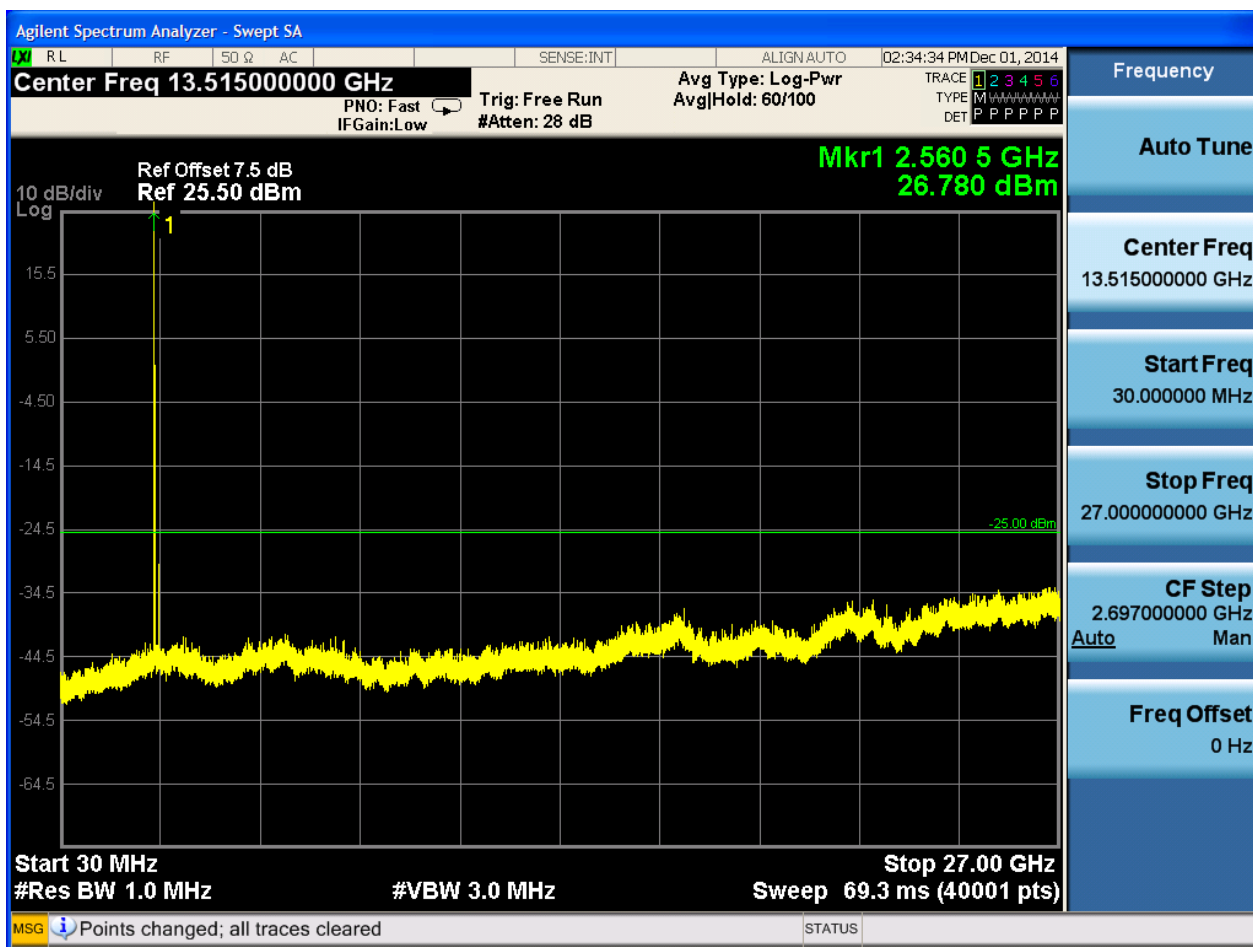


6.3.3.2.2.3 Test Channel = HCH

6.3.3.2.2.3.1 Test RB = RB1#0





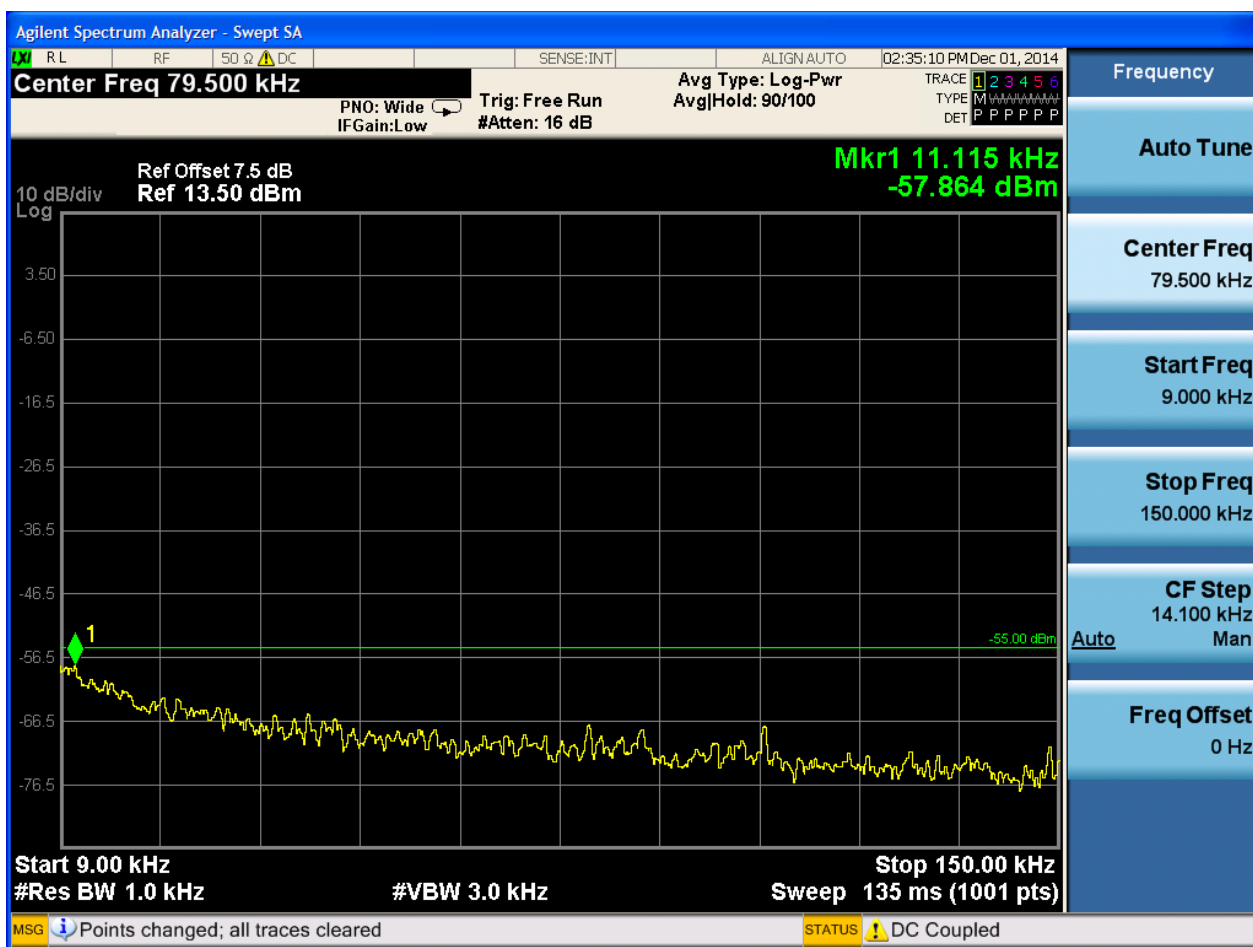




6.3.3.2.3 Test Bandwidth = 15

6.3.3.2.3.1 Test Channel = LCH

6.3.3.2.3.1.1 Test RB = RB1#0



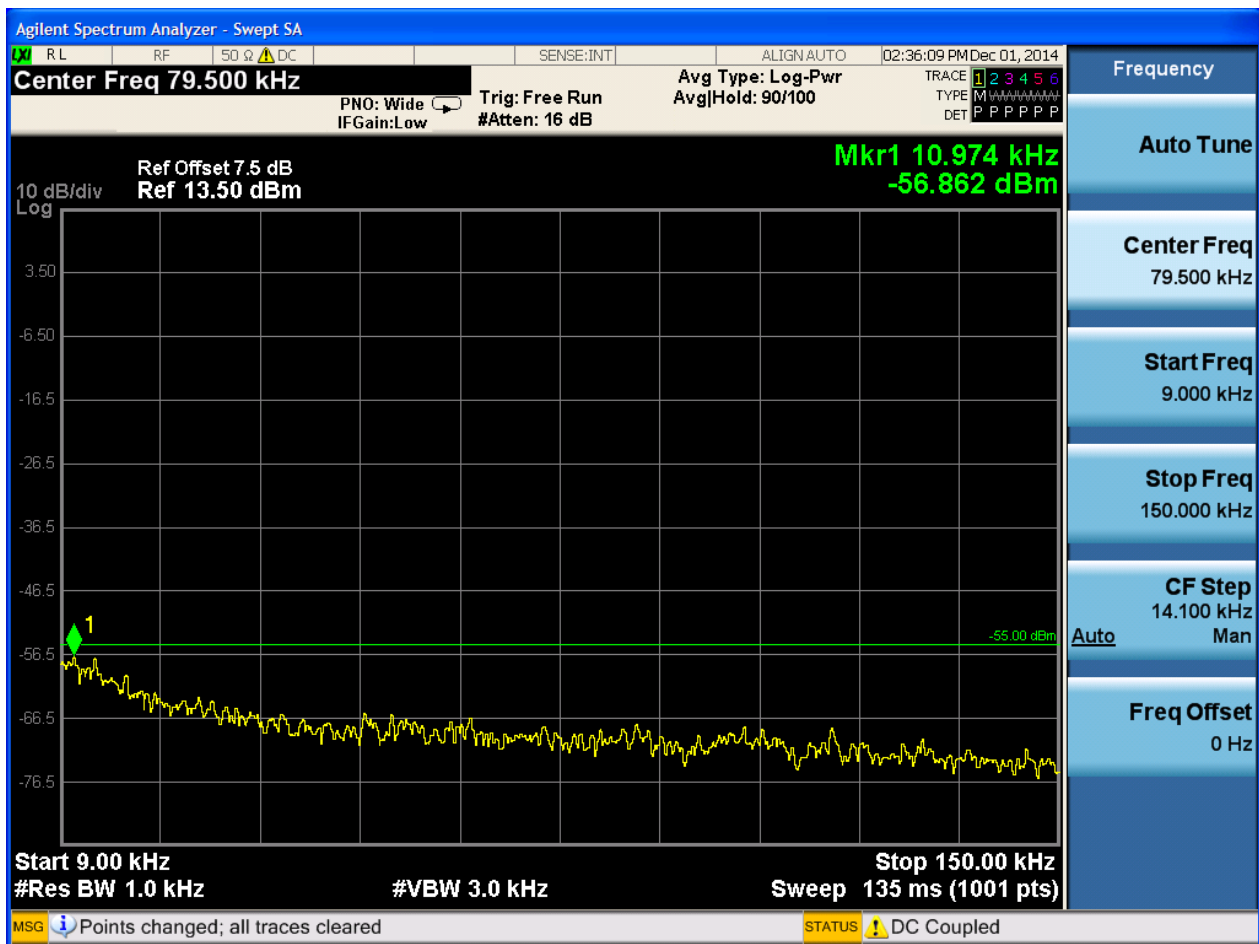


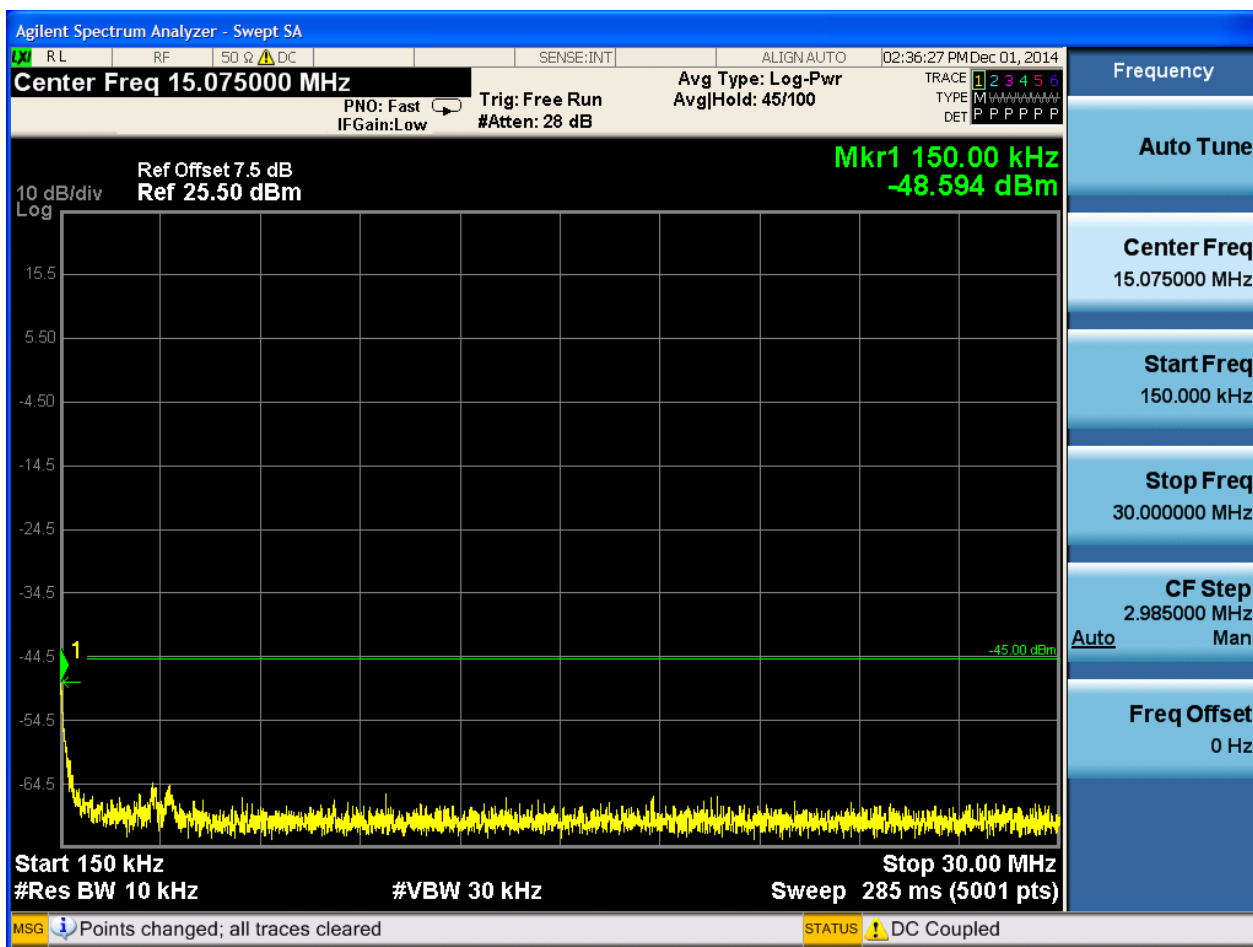


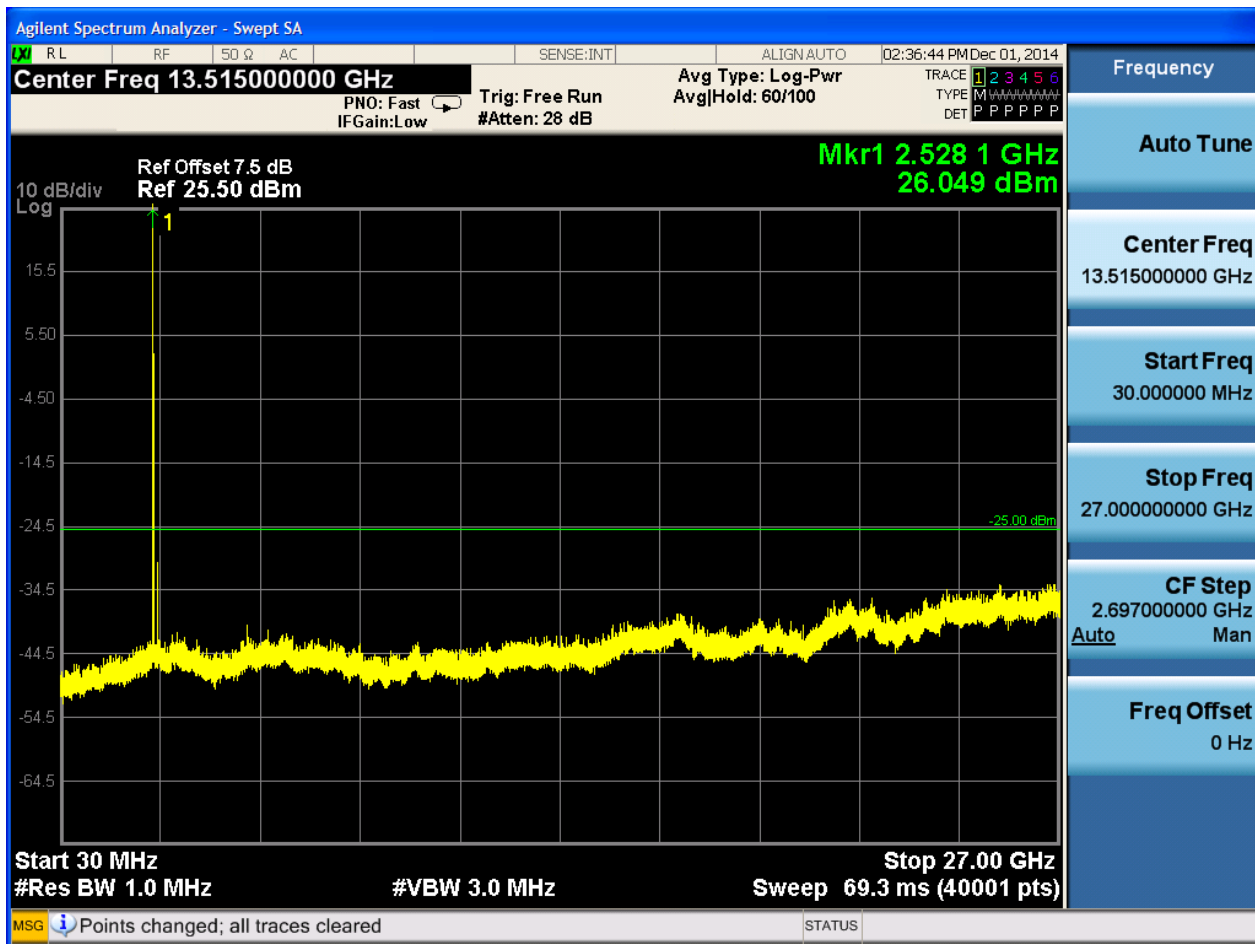


6.3.3.2.3.2 Test Channel = MCH

6.3.3.2.3.2.1 Test RB = RB1#0







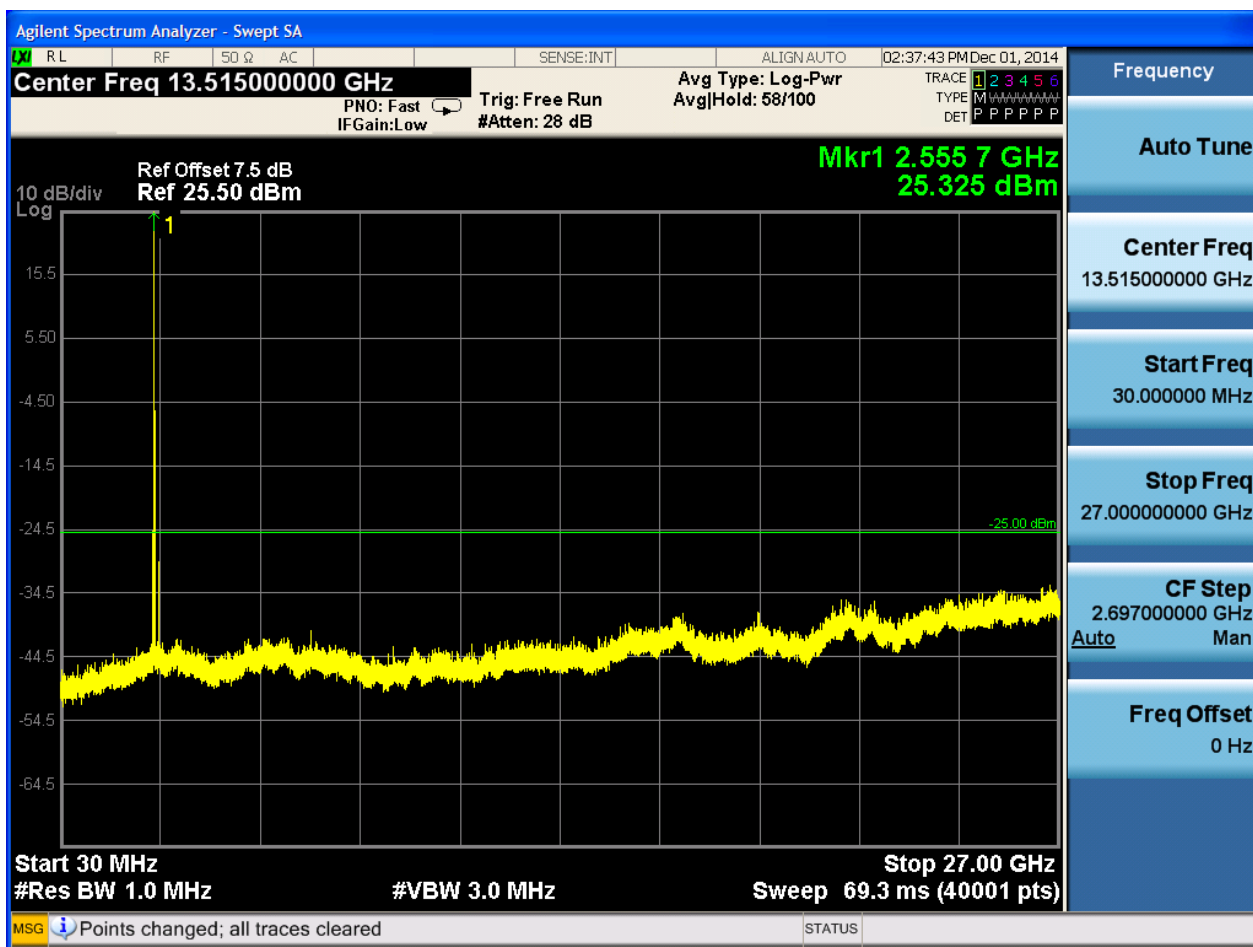


6.3.3.2.3.3 Test Channel = HCH

6.3.3.2.3.3.1 Test RB = RB1#0





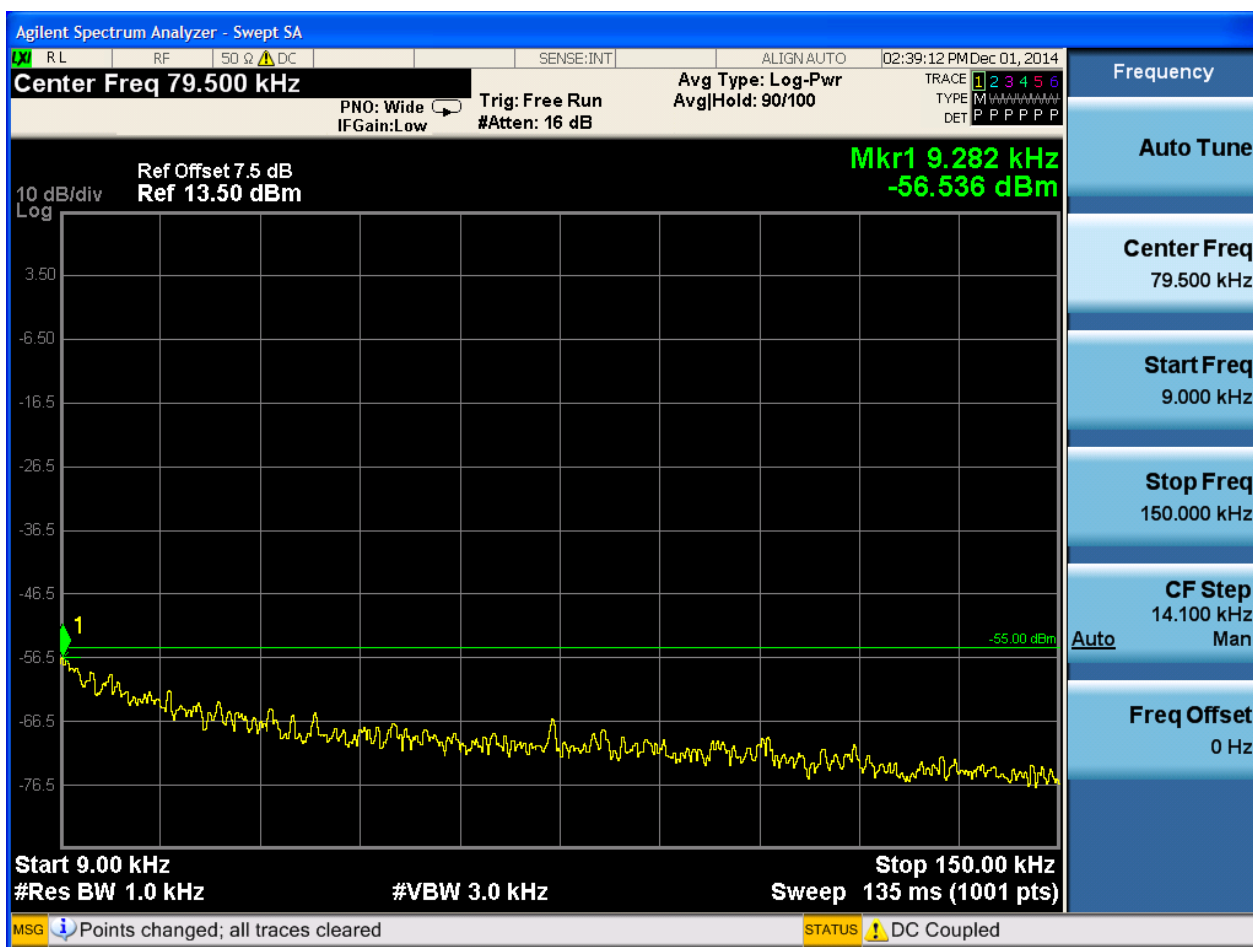




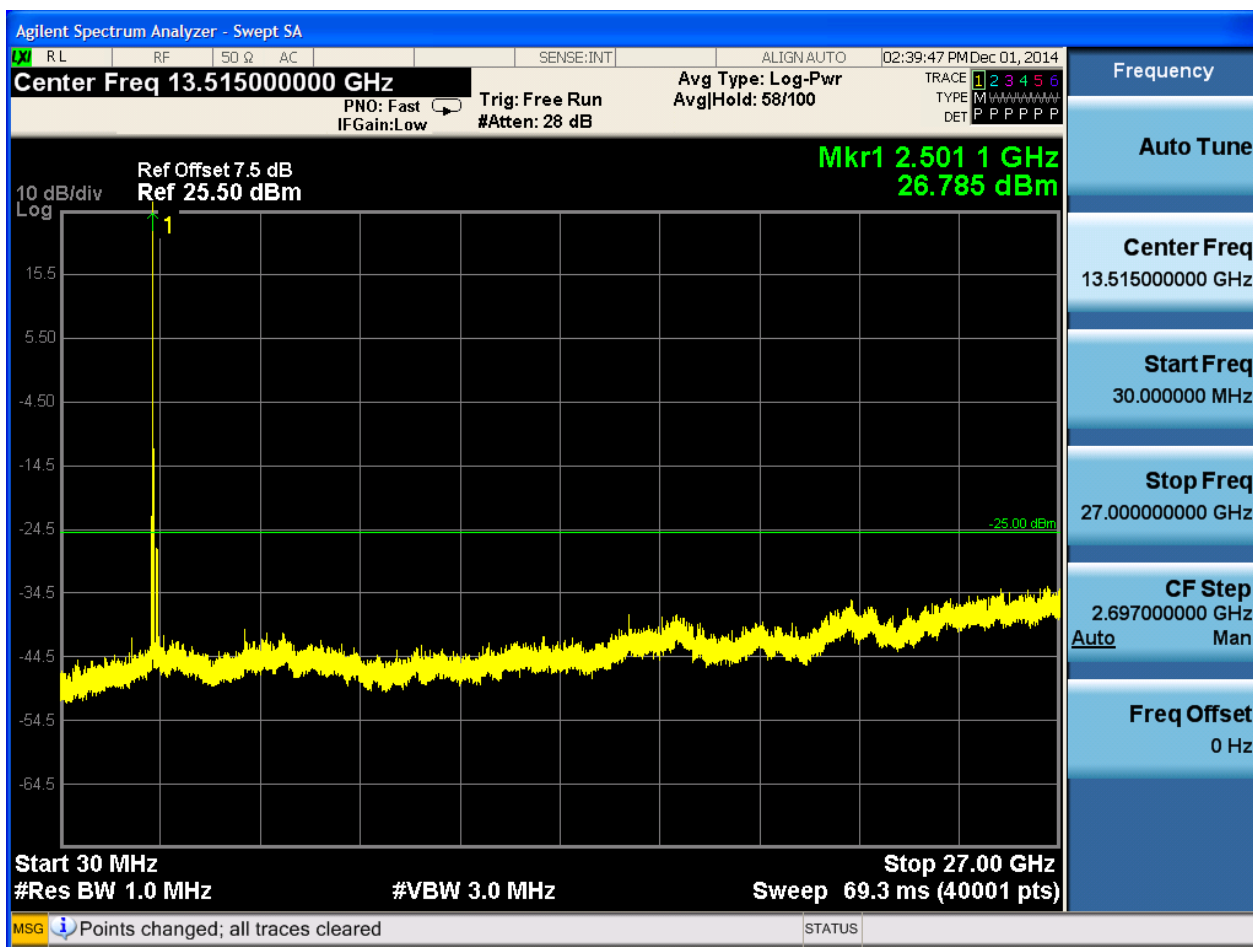
6.3.3.2.4 Test Bandwidth = 20

6.3.3.2.4.1 Test Channel = LCH

6.3.3.2.4.1.1 Test RB = RB1#0





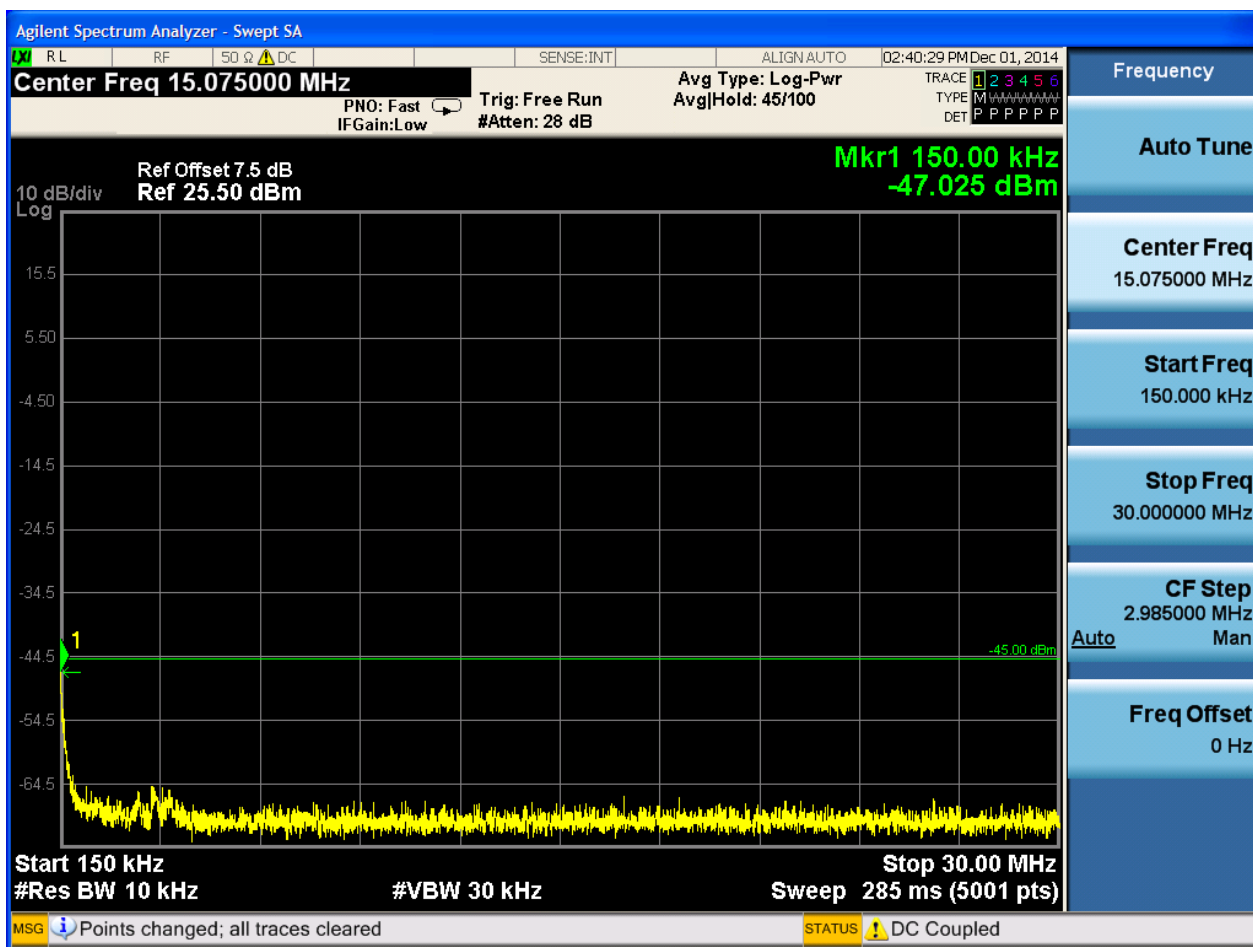


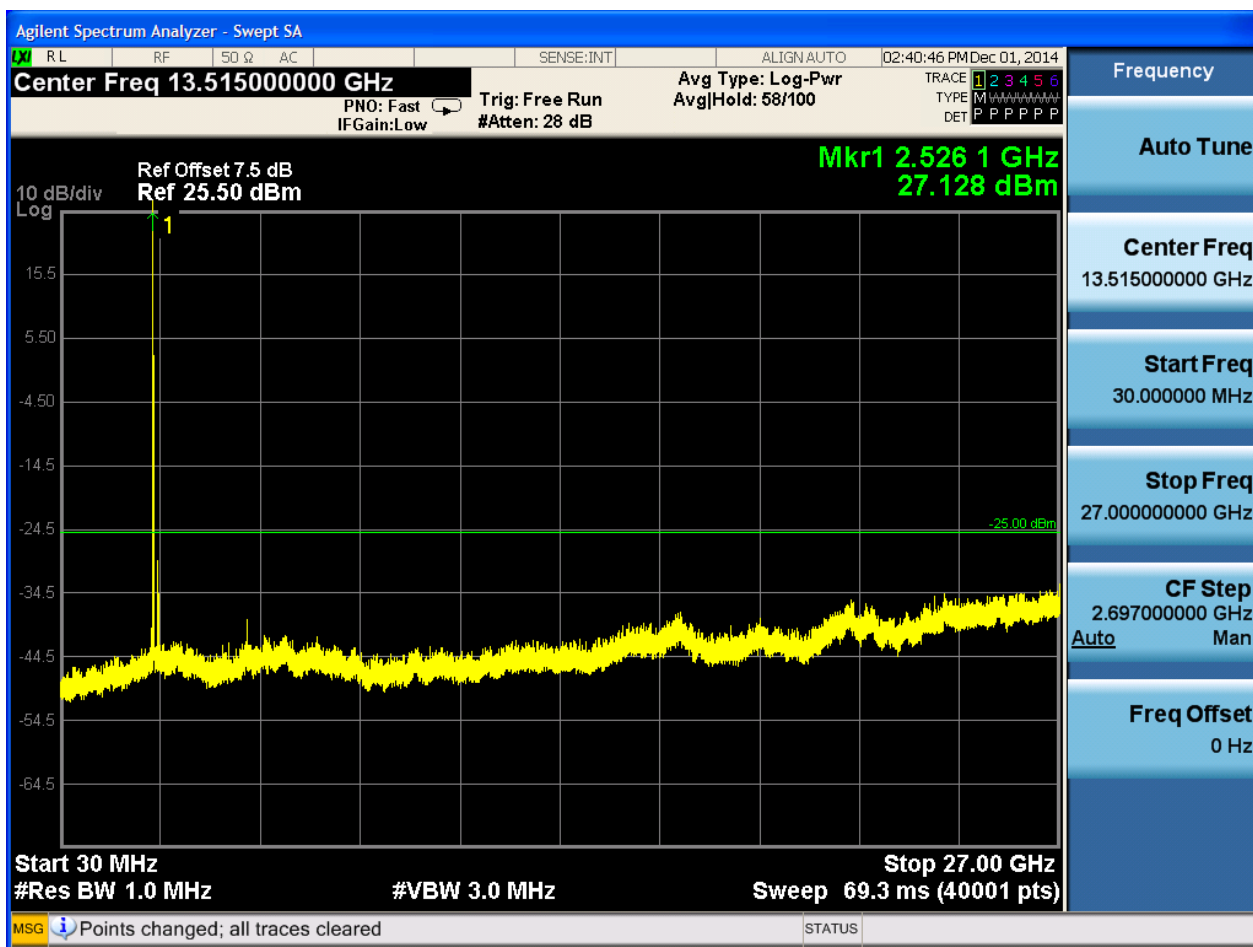


6.3.3.2.4.2 Test Channel = MCH

6.3.3.2.4.2.1 Test RB = RB1#0







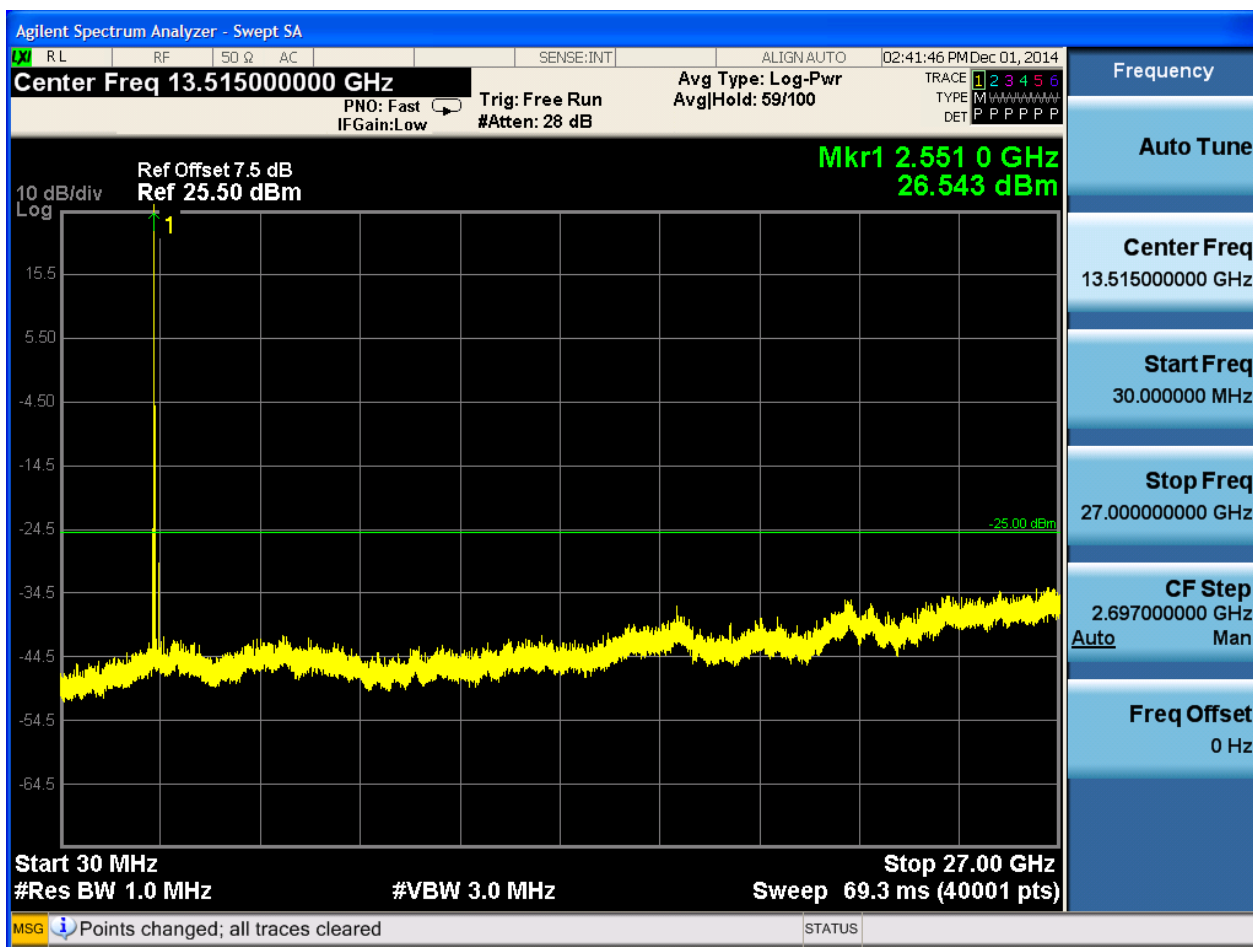


6.3.3.2.4.3 Test Channel = HCH

6.3.3.2.4.3.1 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

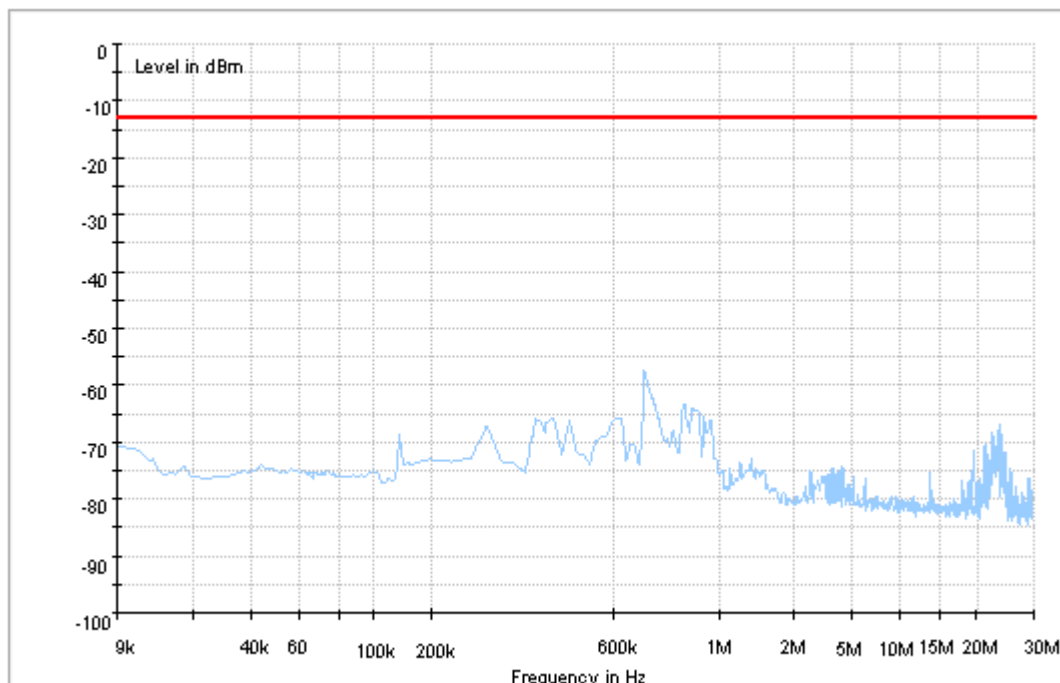
We tested all modes, but the data presented below is the worst case.

Part I - Test Plots

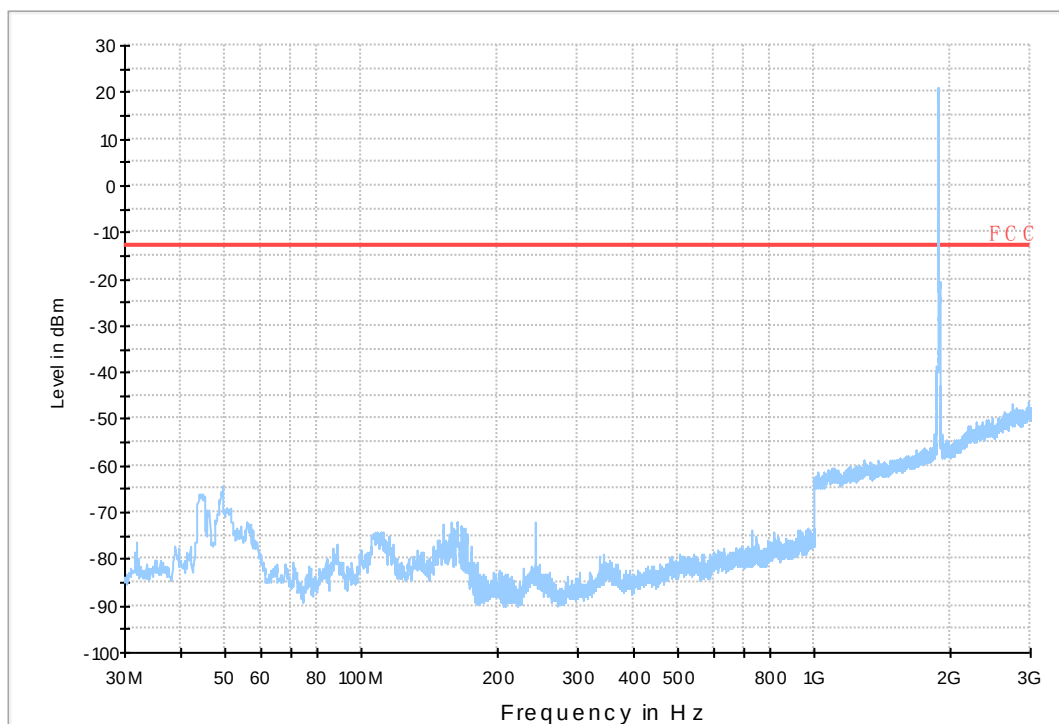
7.1 For UMTS

7.1.1 Test Band = WCDMA1900

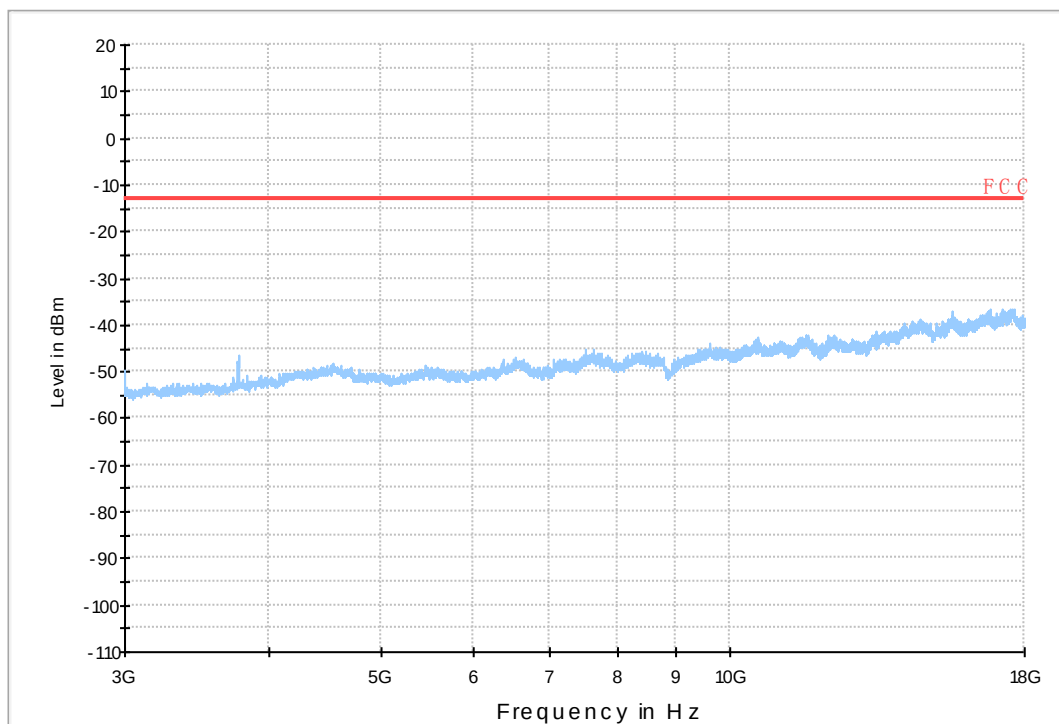
7.1.1.1 Test Mode = UMTS/TM1

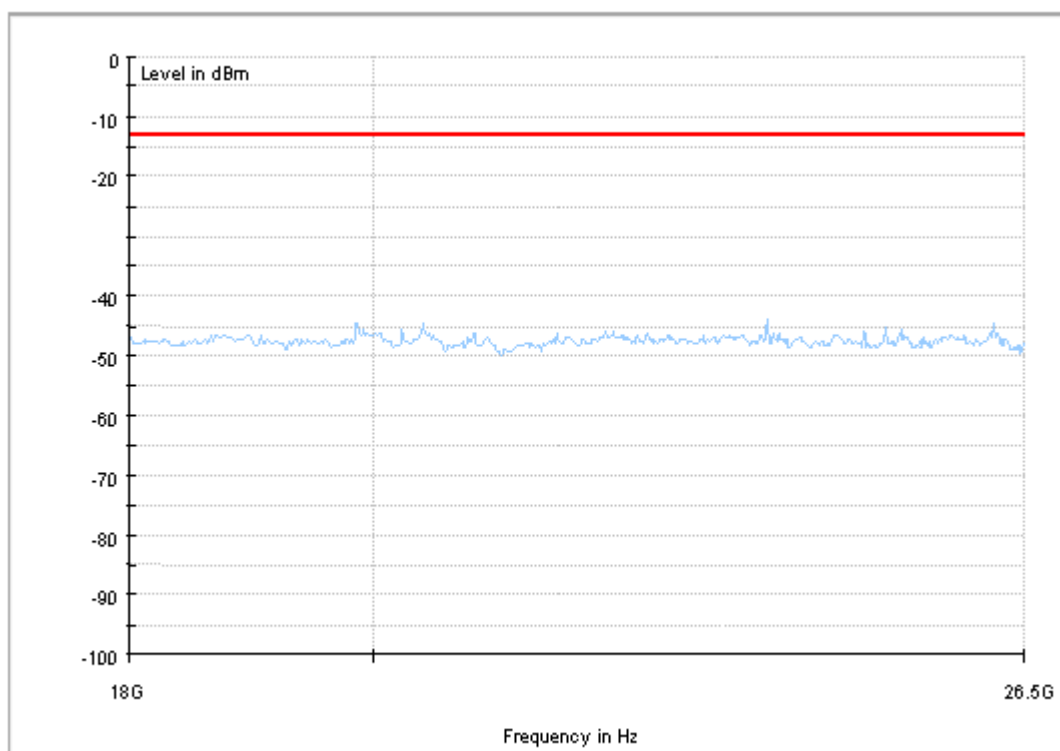


Copy of FCC PART24 W CDMA1900_L



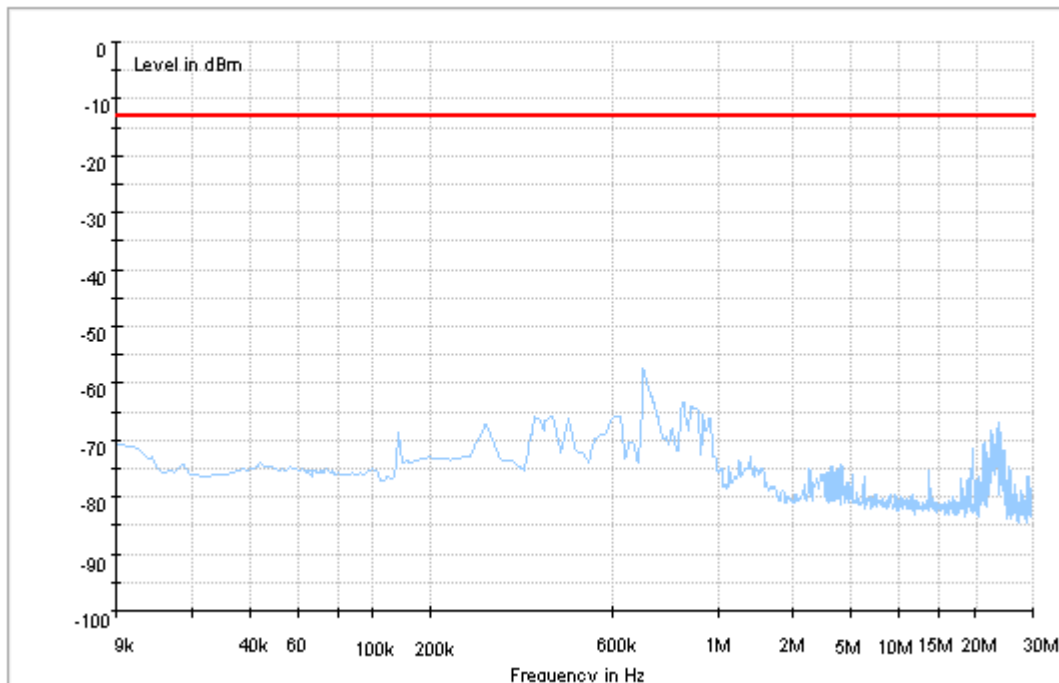
Copy of FCC PART24 W CDMA1900_H



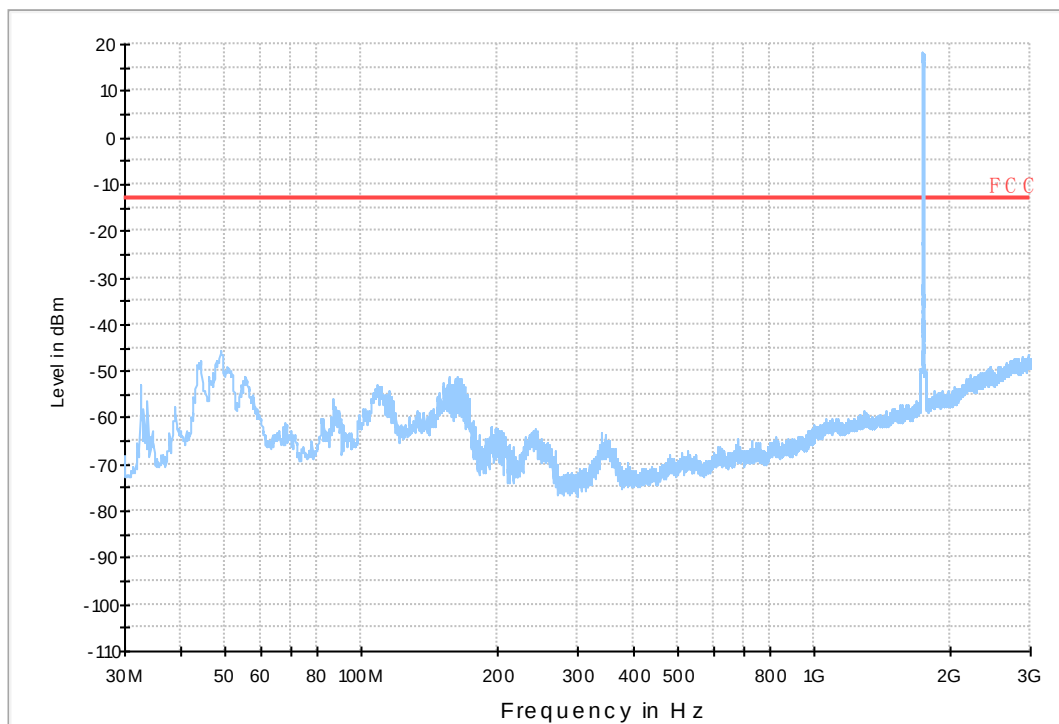


7.1.2 Test Band = WCDMA1700

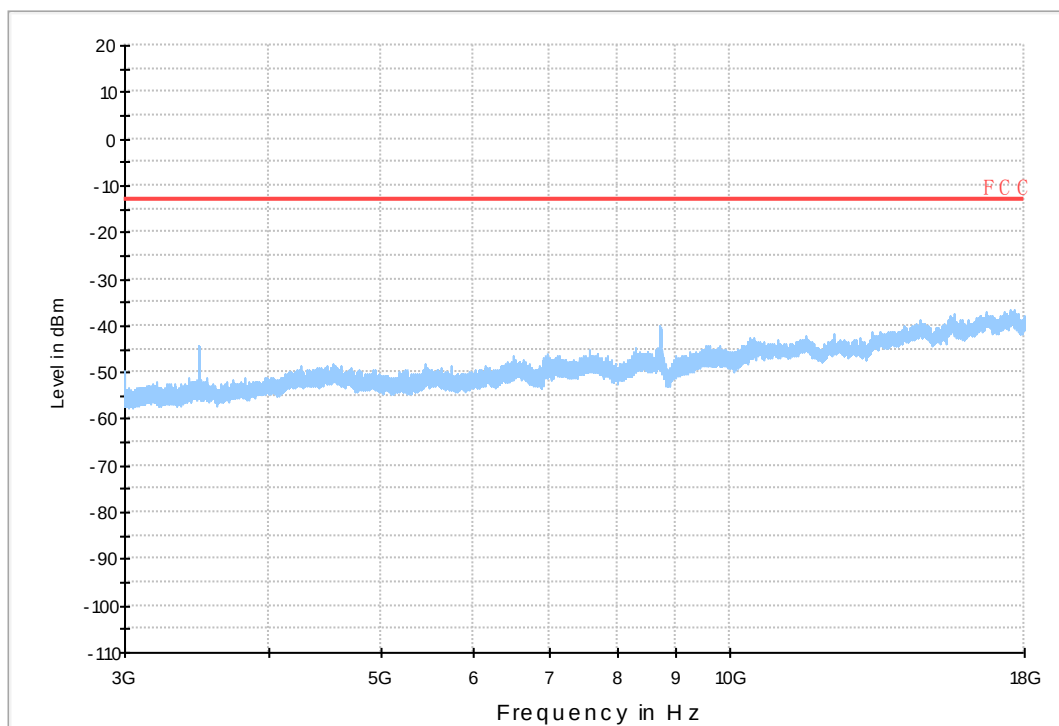
7.1.2.1 Test Mode = UMTS/TM1



Copy of FCC PART27 W CDMA1700_L

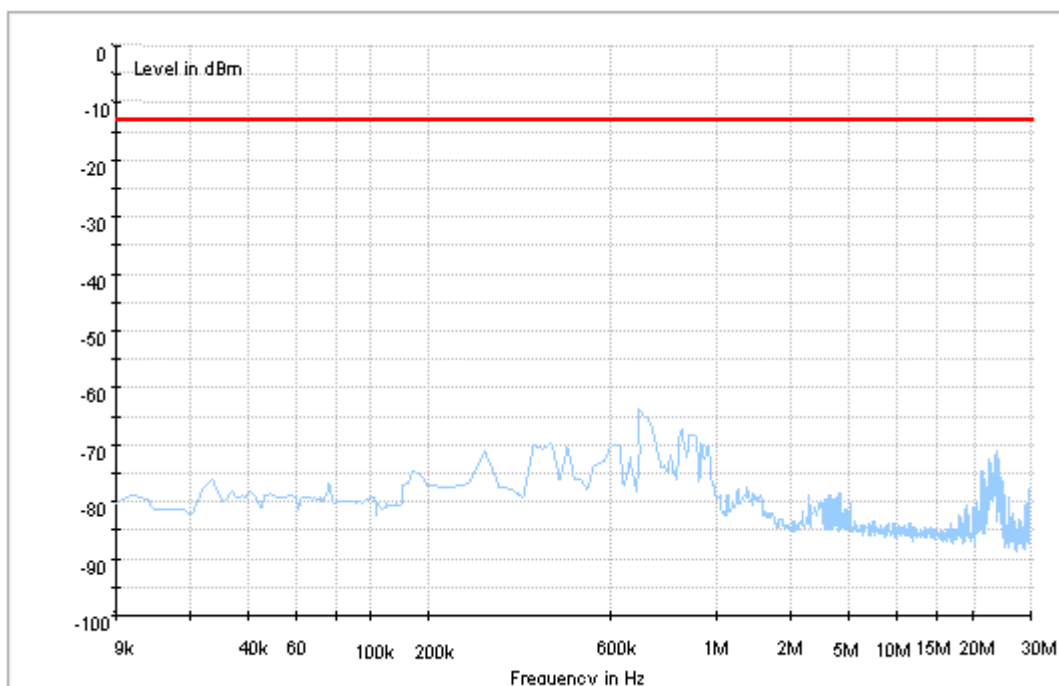


Copy of FCC PART 27 W CDMA1700_H

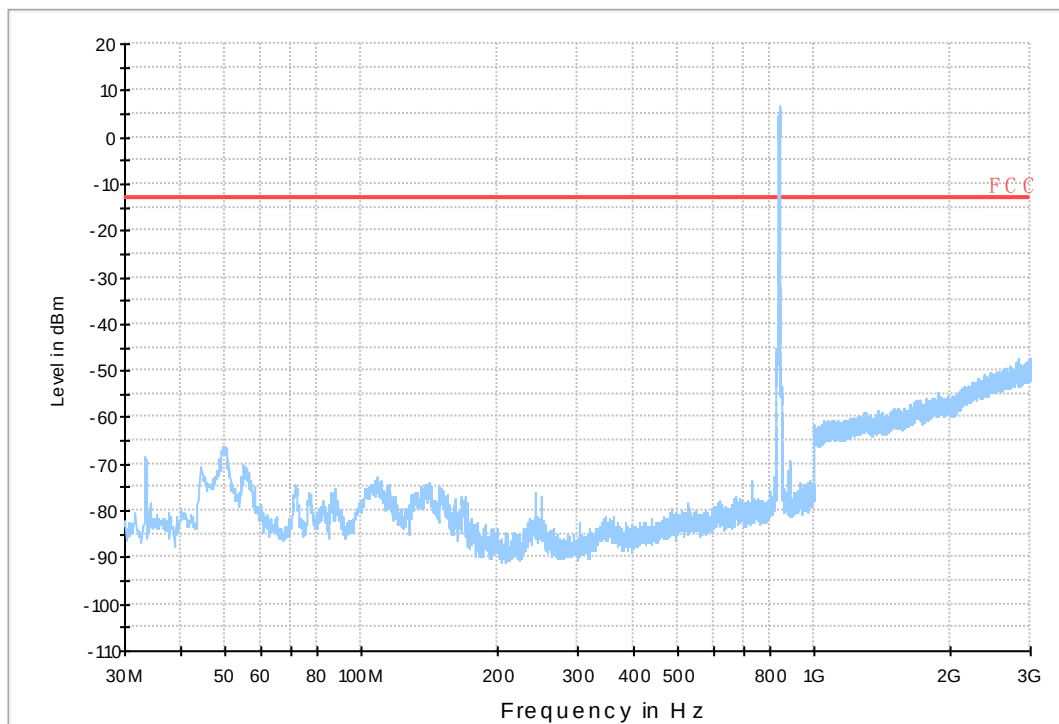


7.1.3 Test Band = WCDMA850

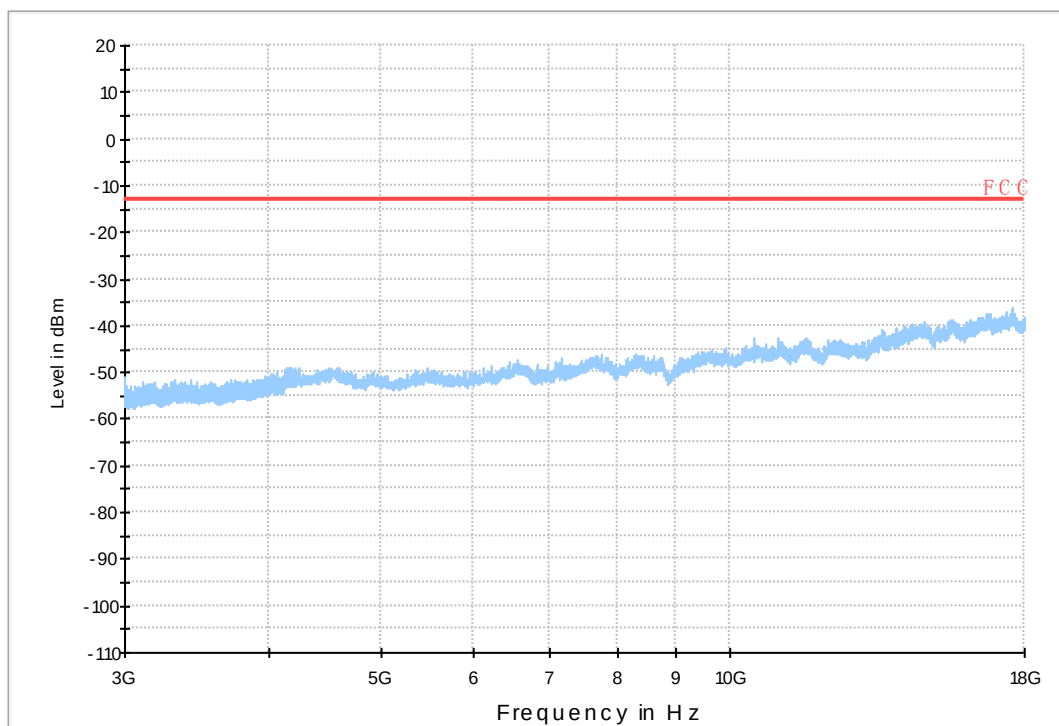
7.1.3.1 Test Mode = UMTS/TM1



Copy of FCC PART22 W CDMA850_L



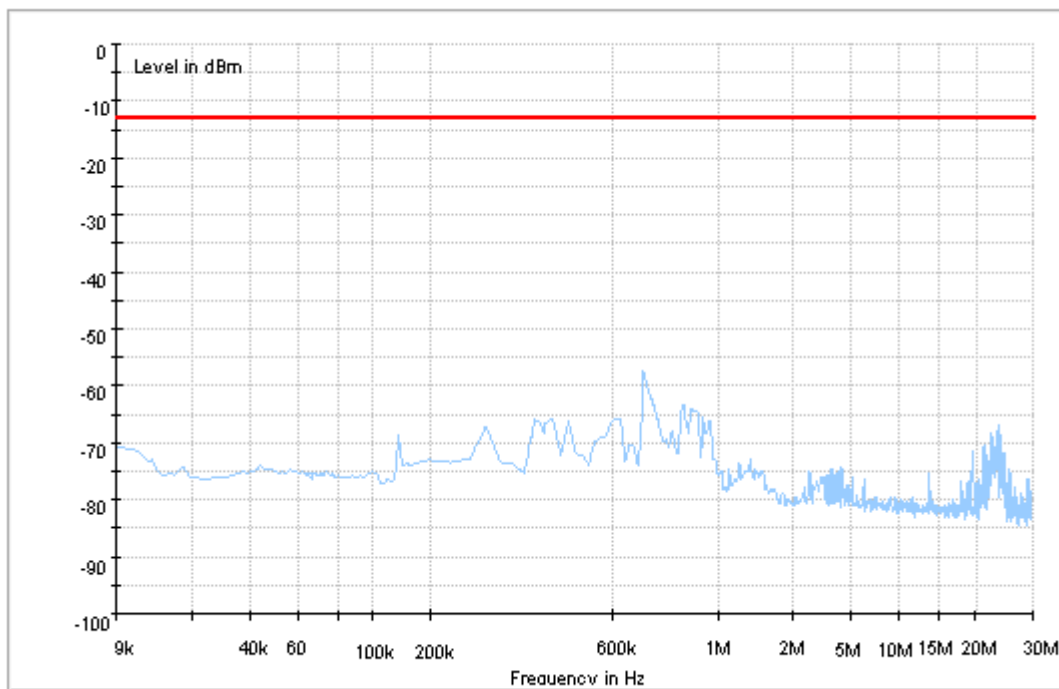
Copy of FCC PART22 W CDMA850_H



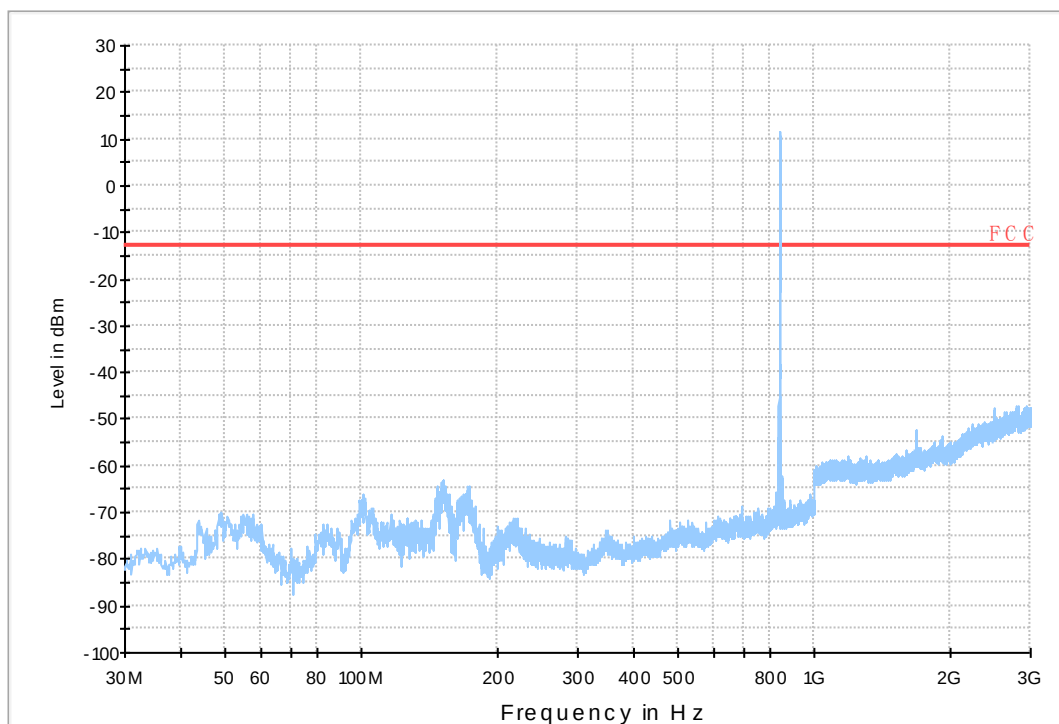
7.2 For GSM

7.2.1 Test Band = GSM850

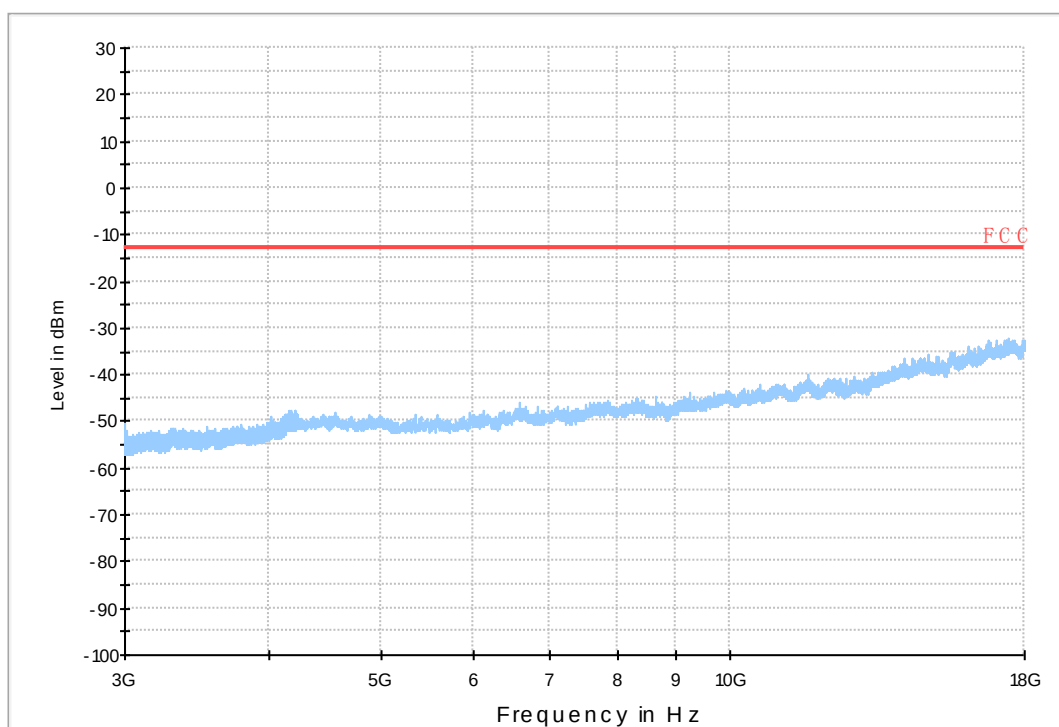
7.2.1.1 Test Mode = GSM/TM1



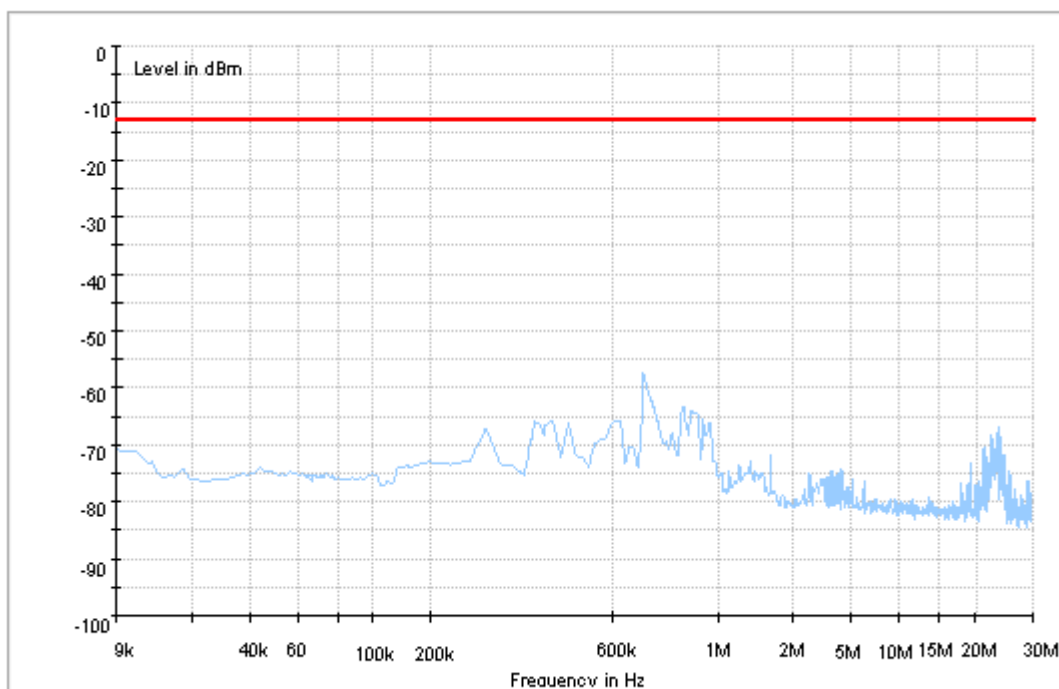
Copy of FCC PART22 GSM850_L



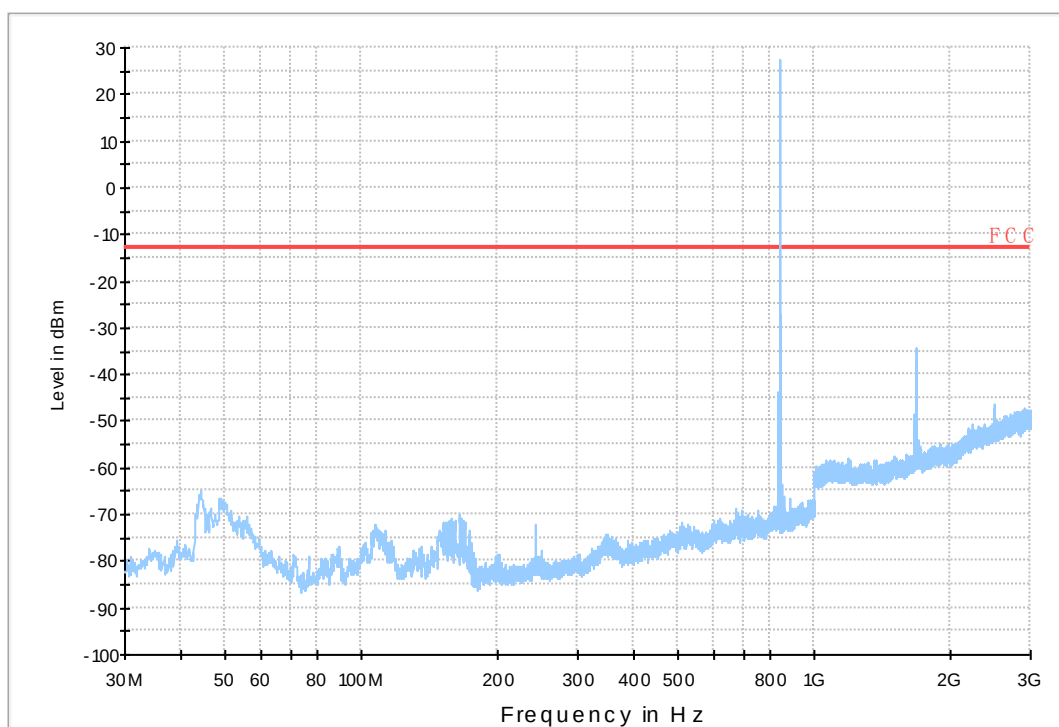
Copy of FCC PART22 GSM850_H



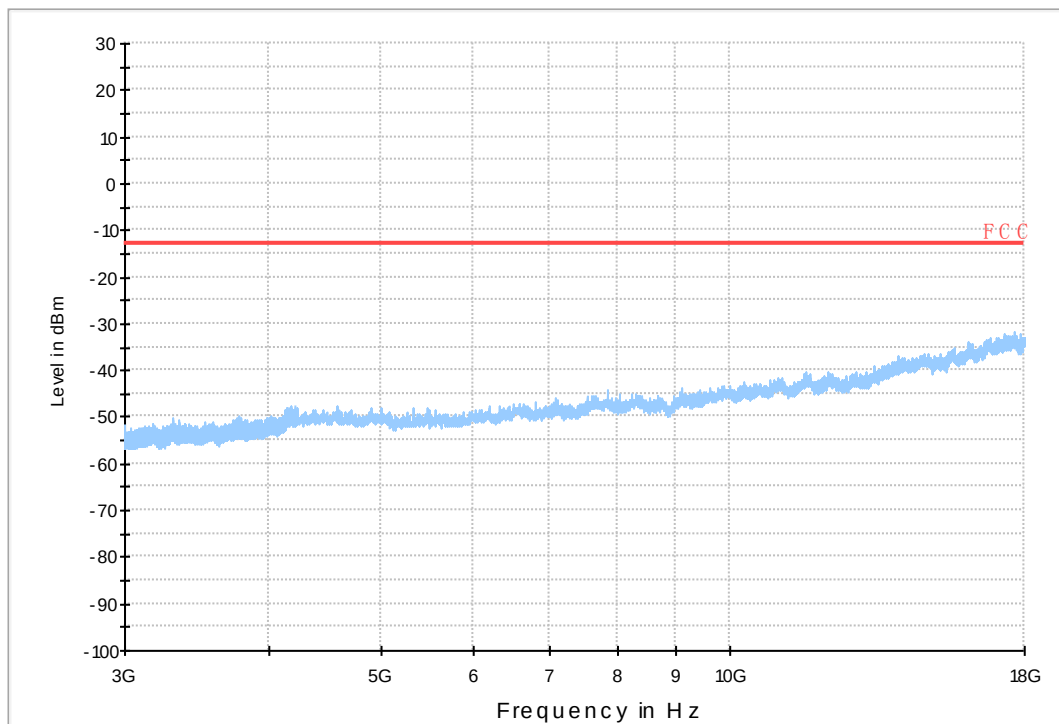
7.2.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

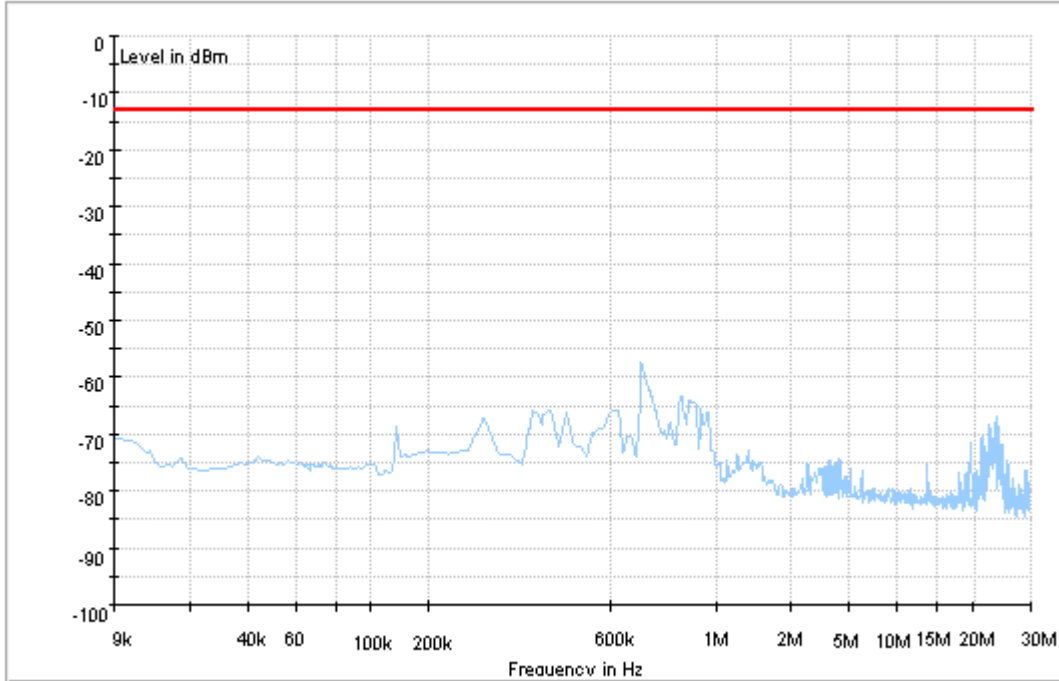


Copy of FCC PART22 GSM850_H

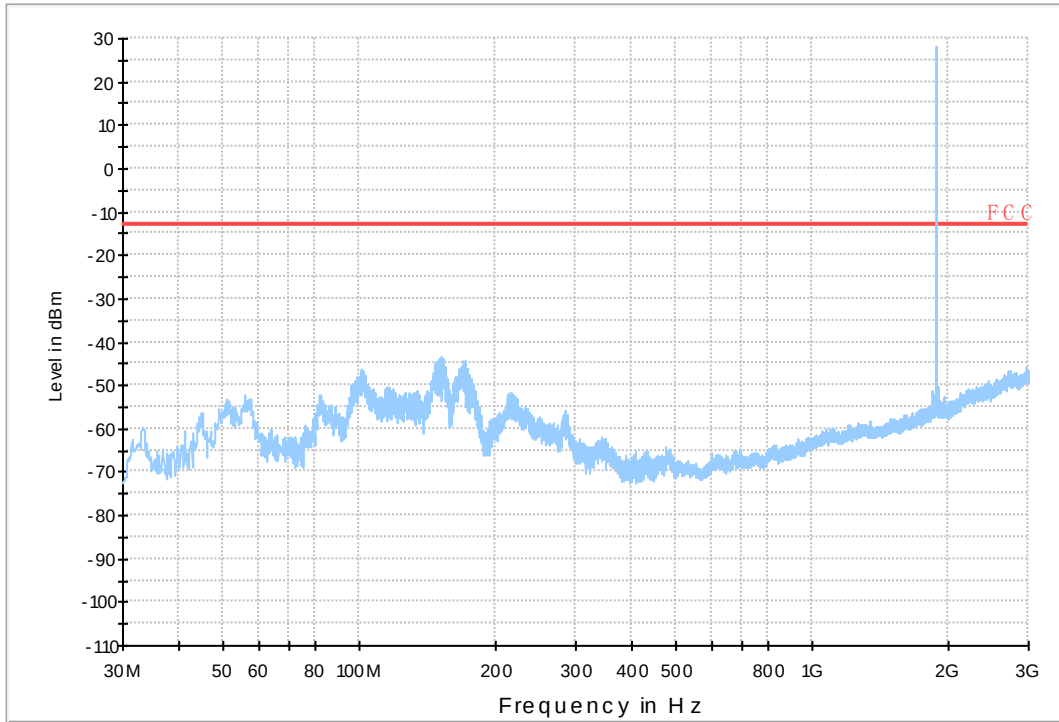


7.2.2 Test Band = GSM1900

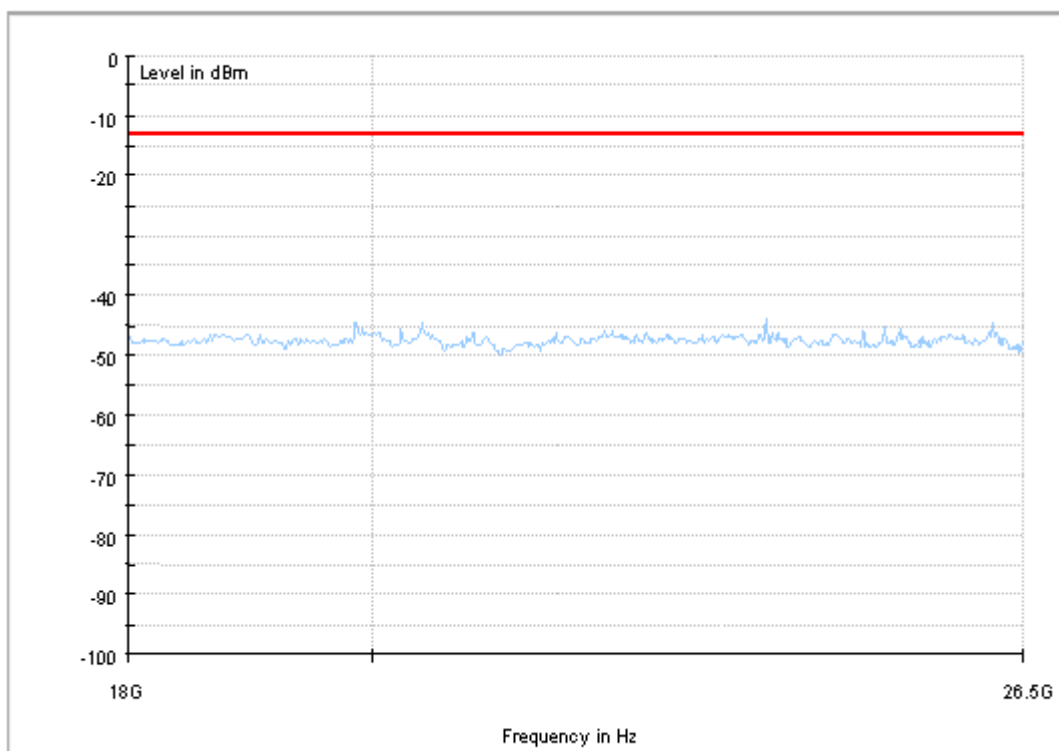
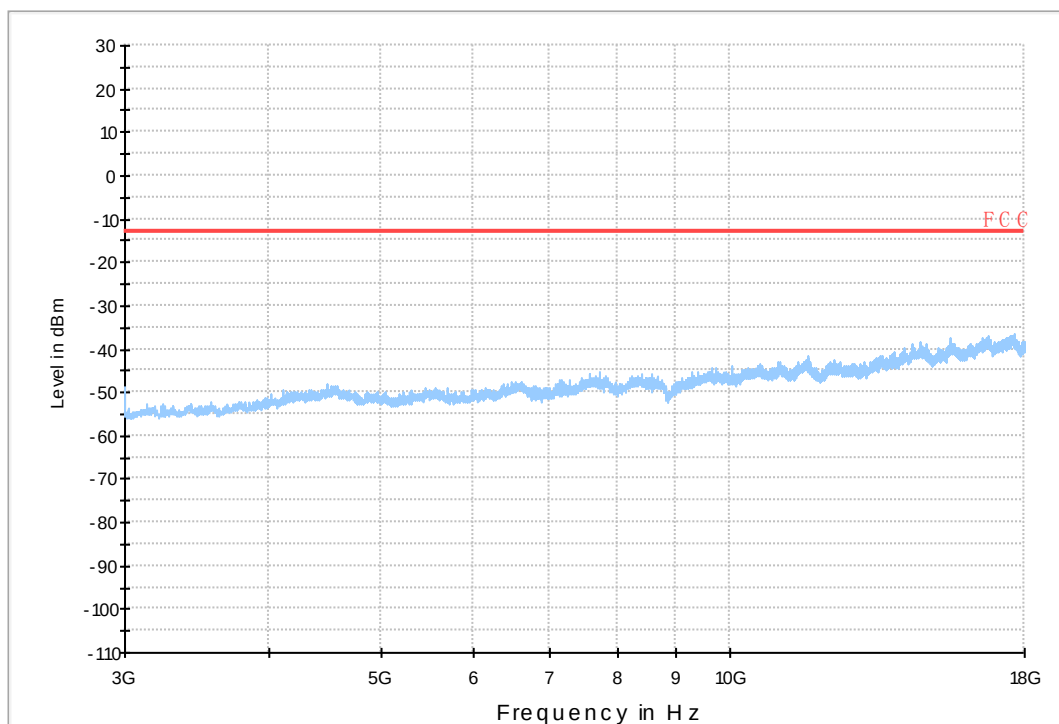
7.2.2.1 Test Mode = GSM/TM1



Copy of FCC PART 24 GSM1900_L

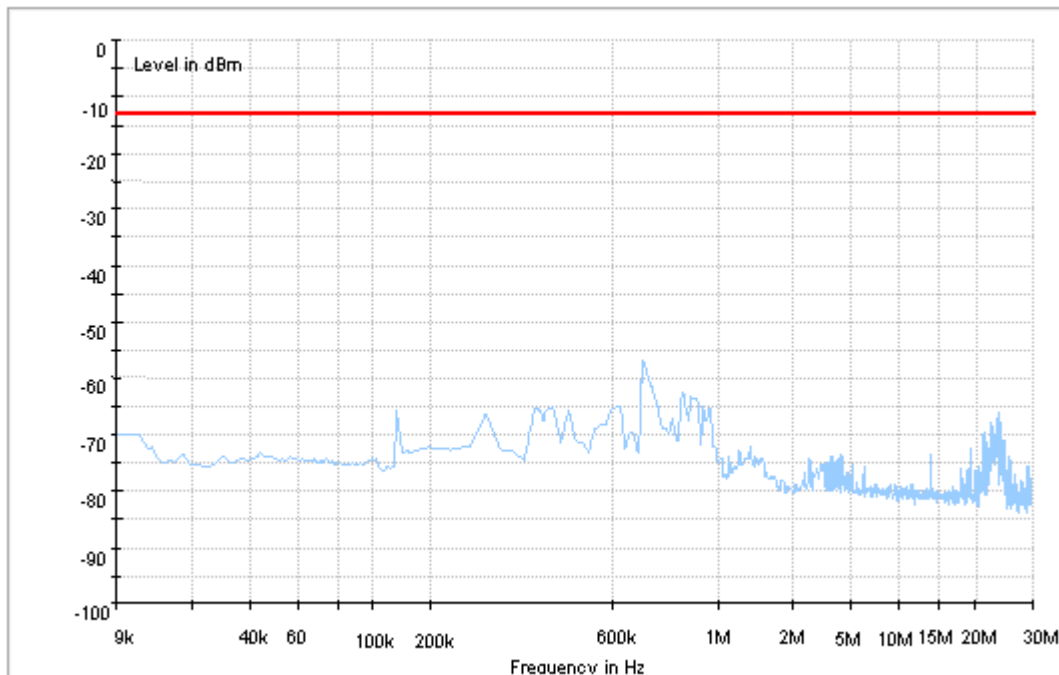


Copy of FCC PART24 GSM1900_H

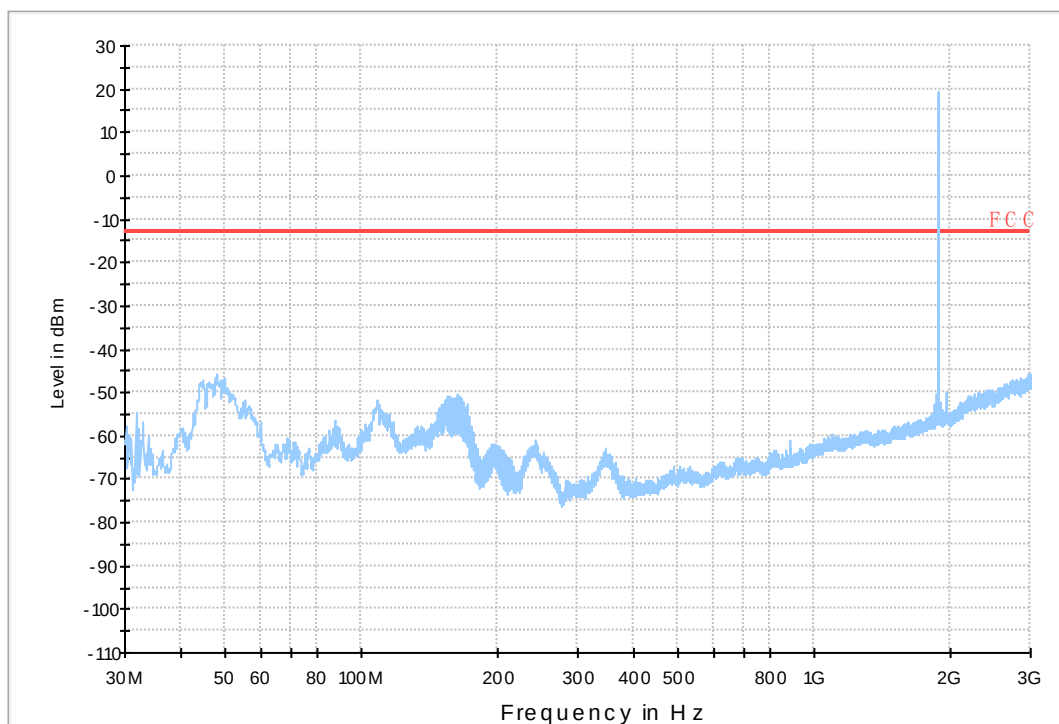


7.2.2.2

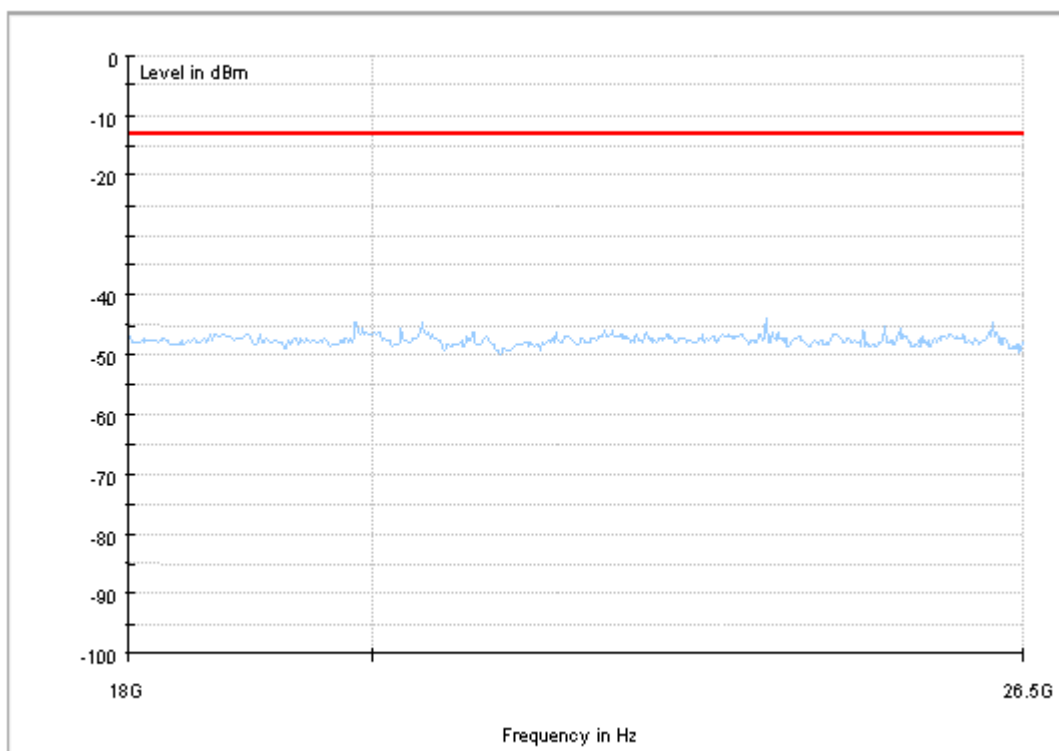
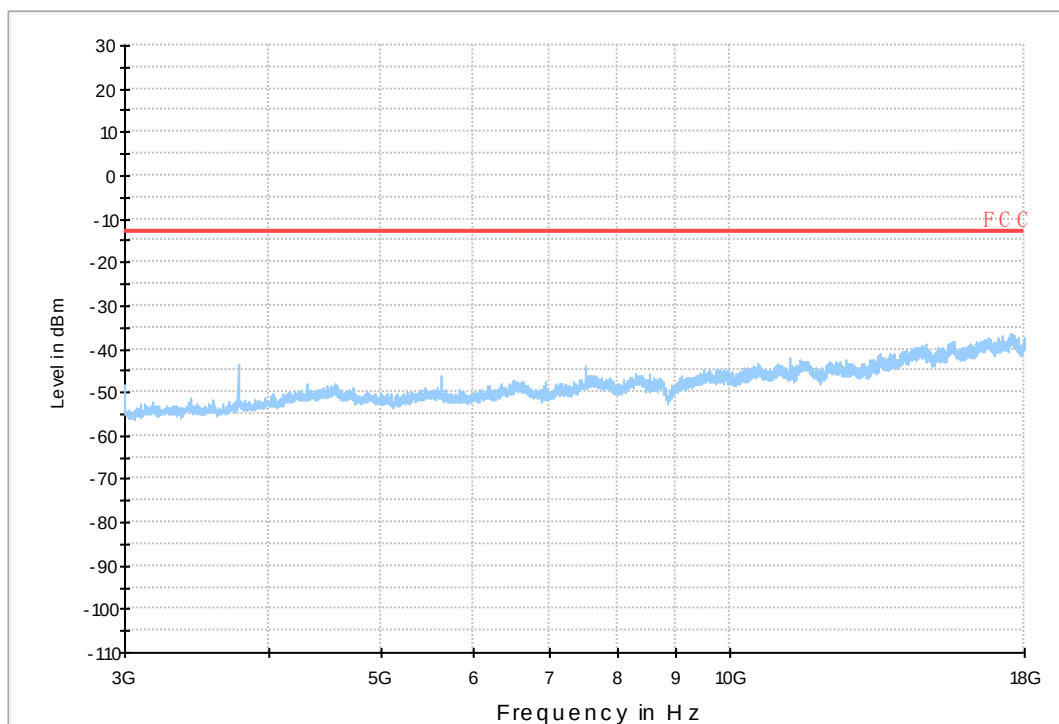
Test Mode = GSM/TM2



Copy of FCC PART24 GSM1900_L



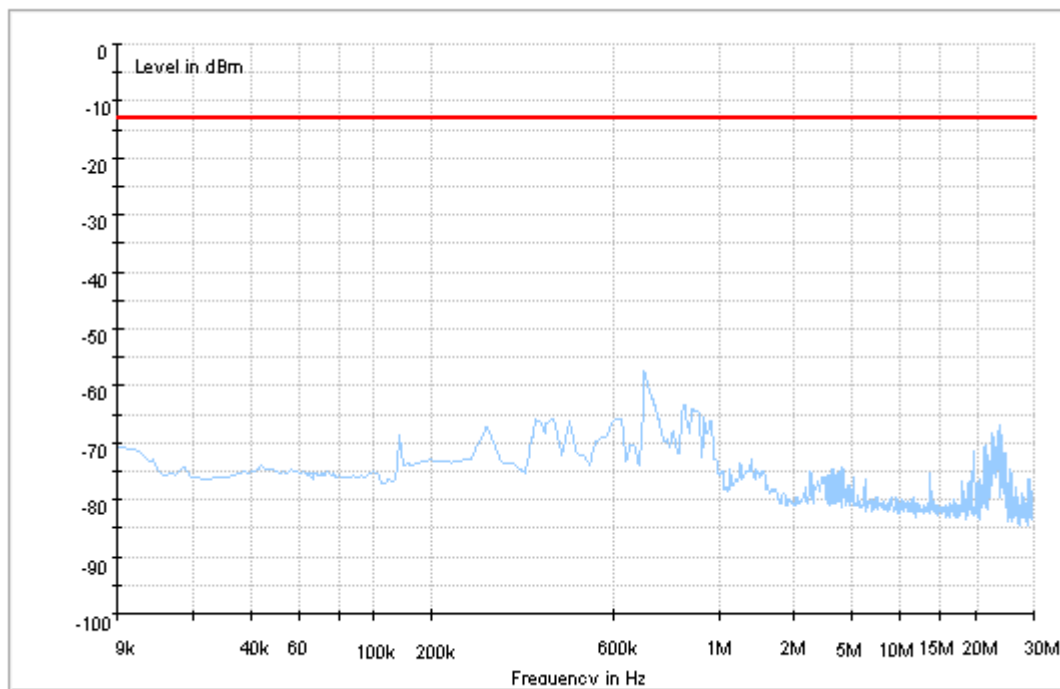
Copy of FCC PART24 GSM1900_H



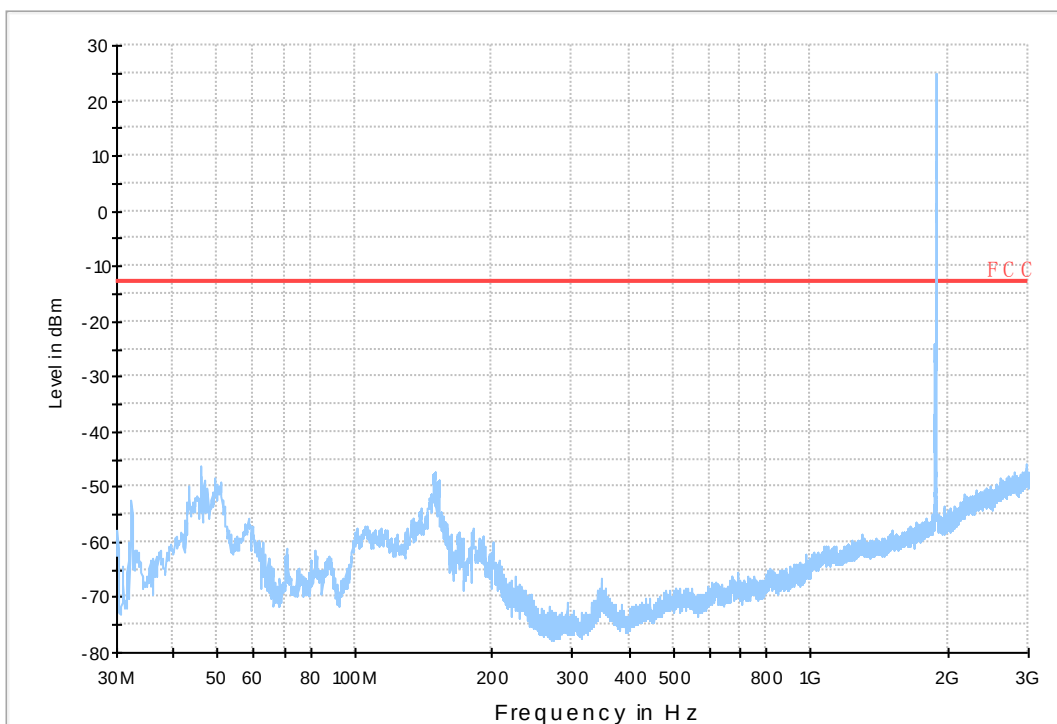
7.3 For LTE

7.3.1 Test Band = BAND2

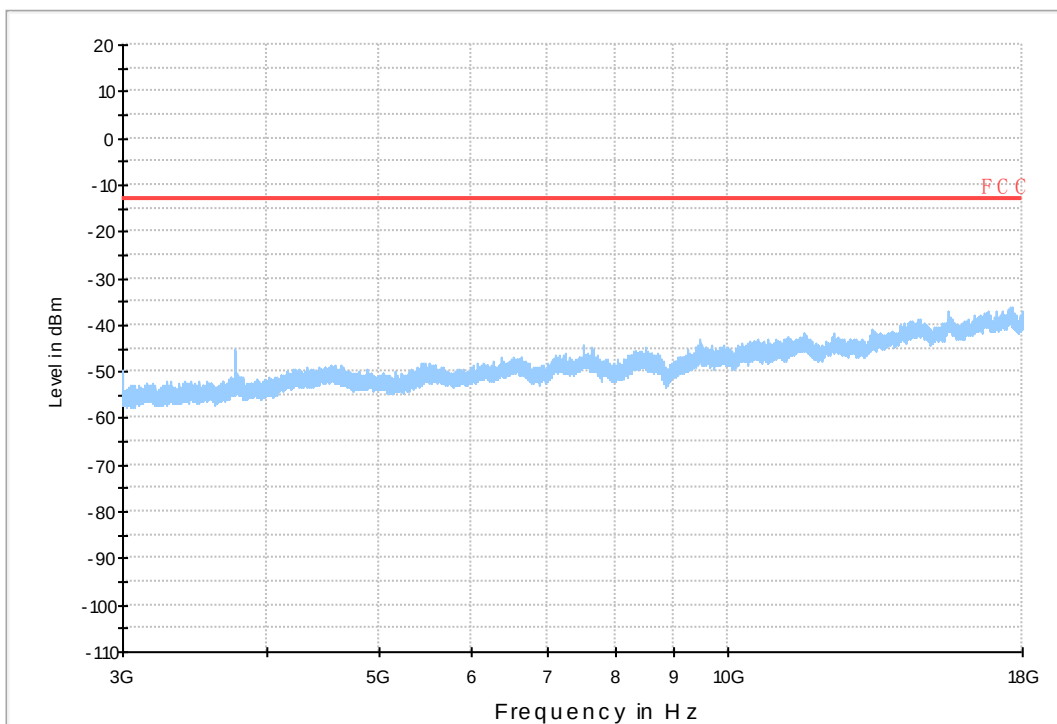
7.3.1.1 Test Bandwidth = 5

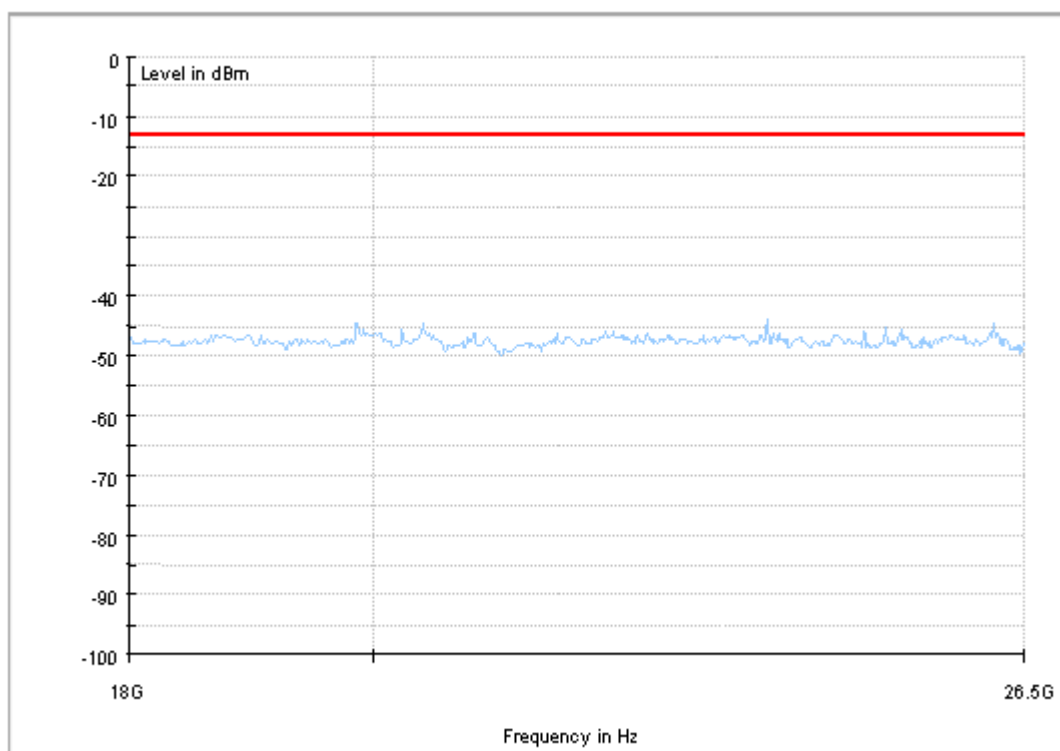


Copy of FCC PART24 LTE Band 2_L

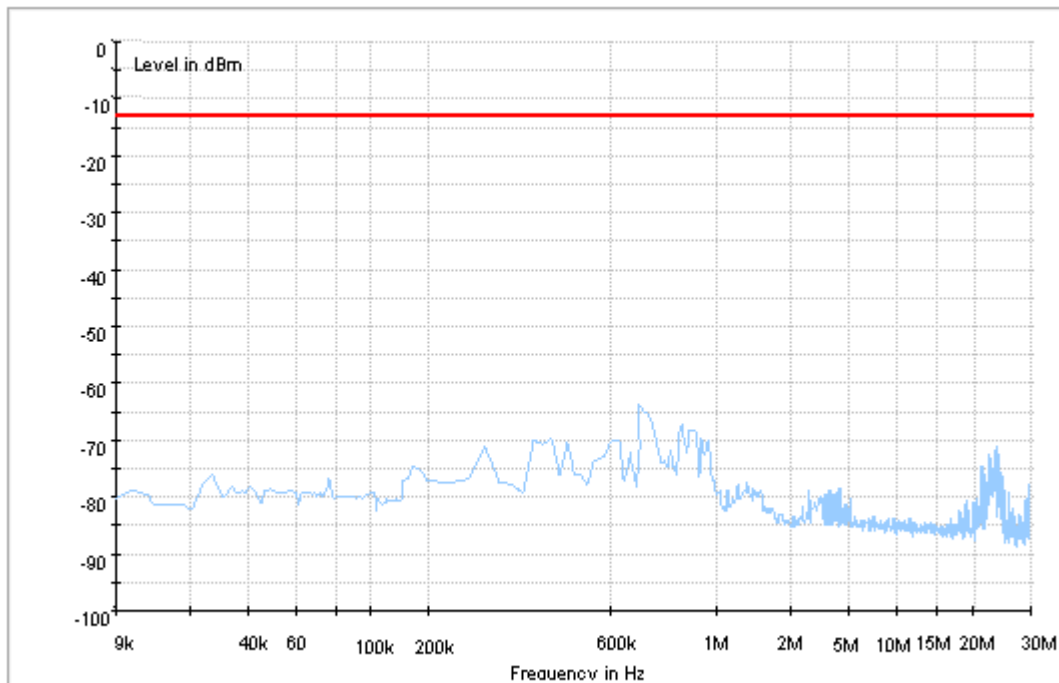


Copy of FCC PART24 LTE Band 2_H

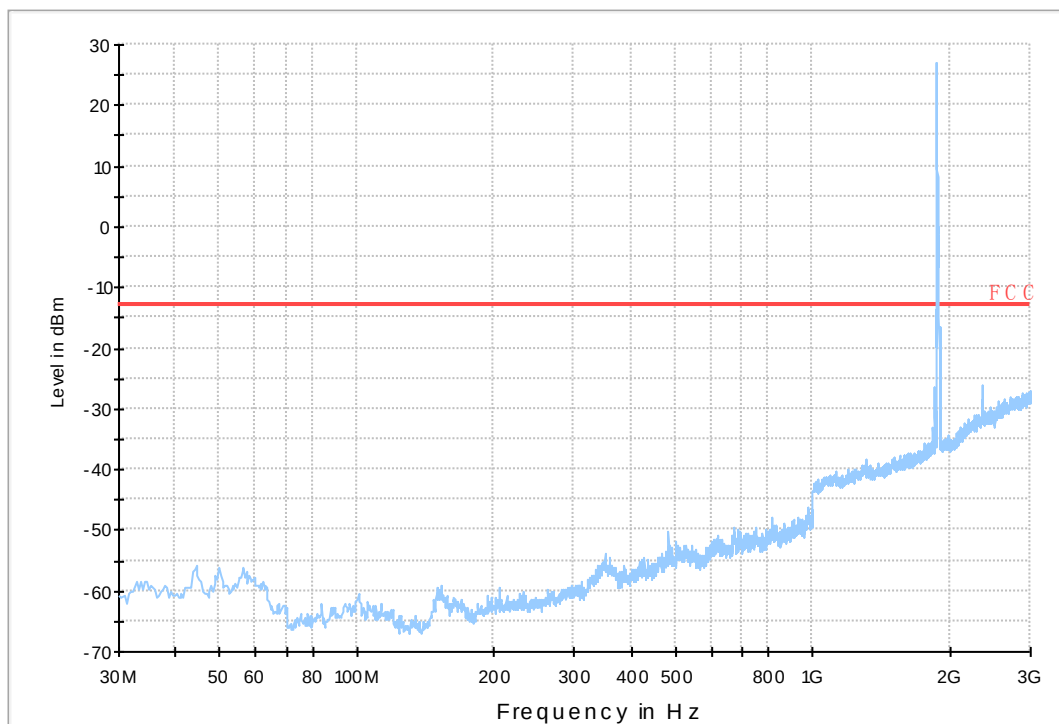




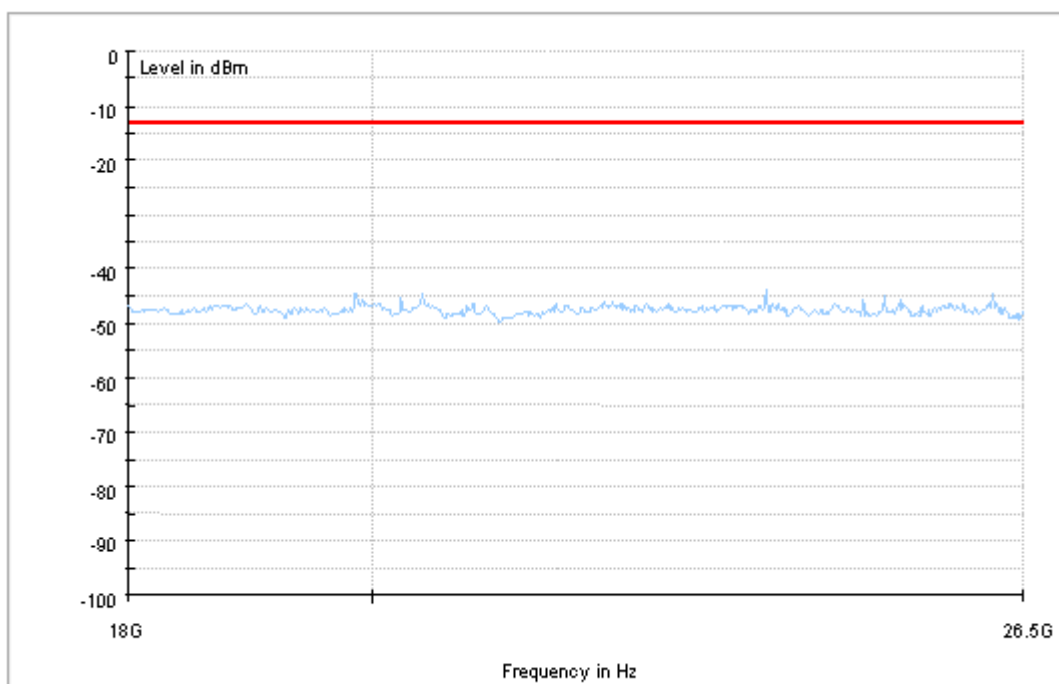
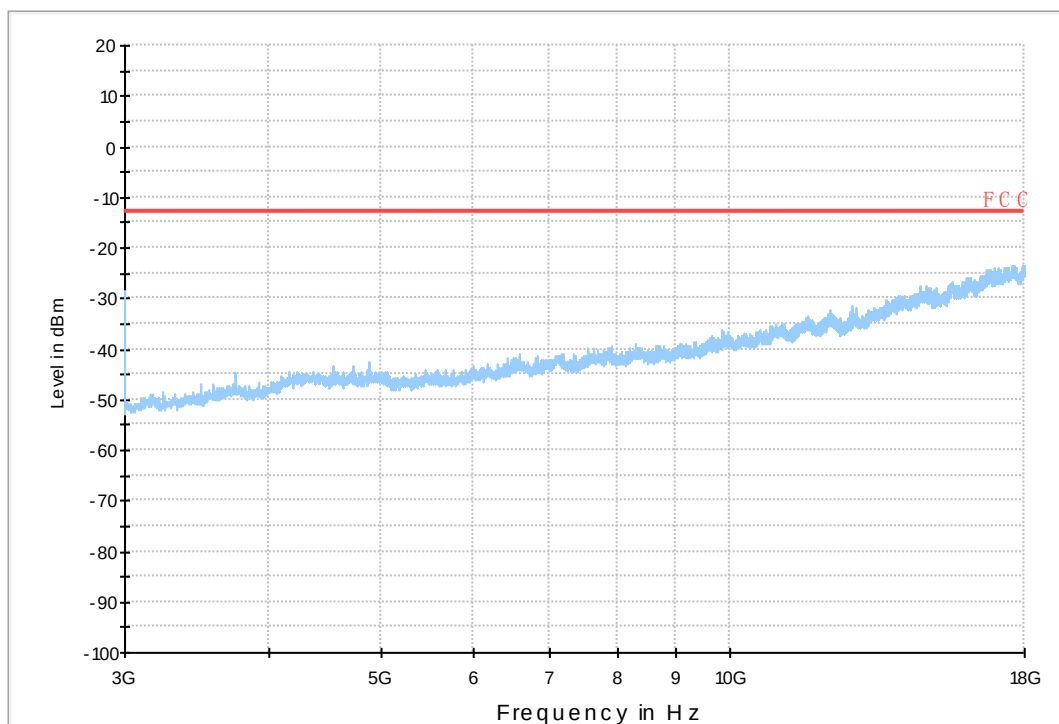
7.3.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

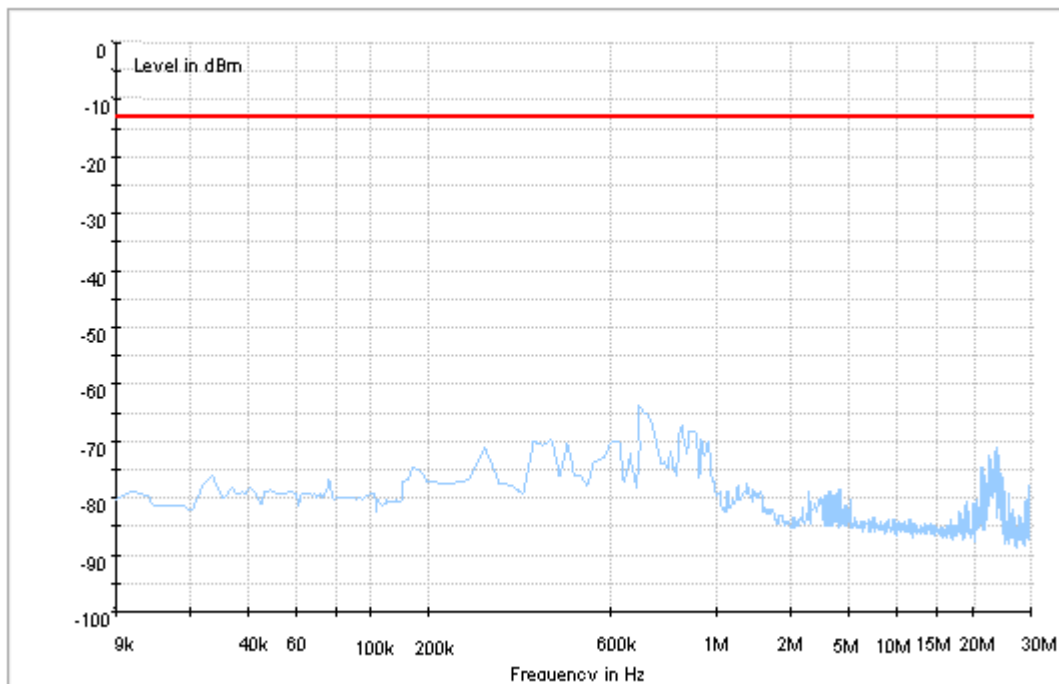


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

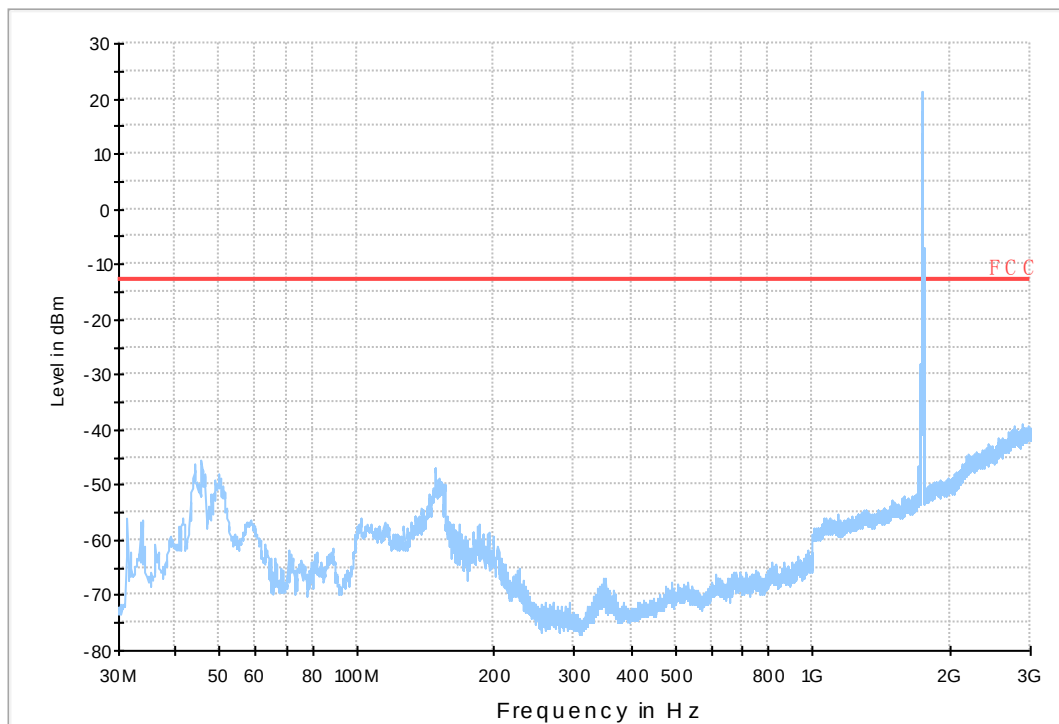


7.3.2 Test Band = BAND4

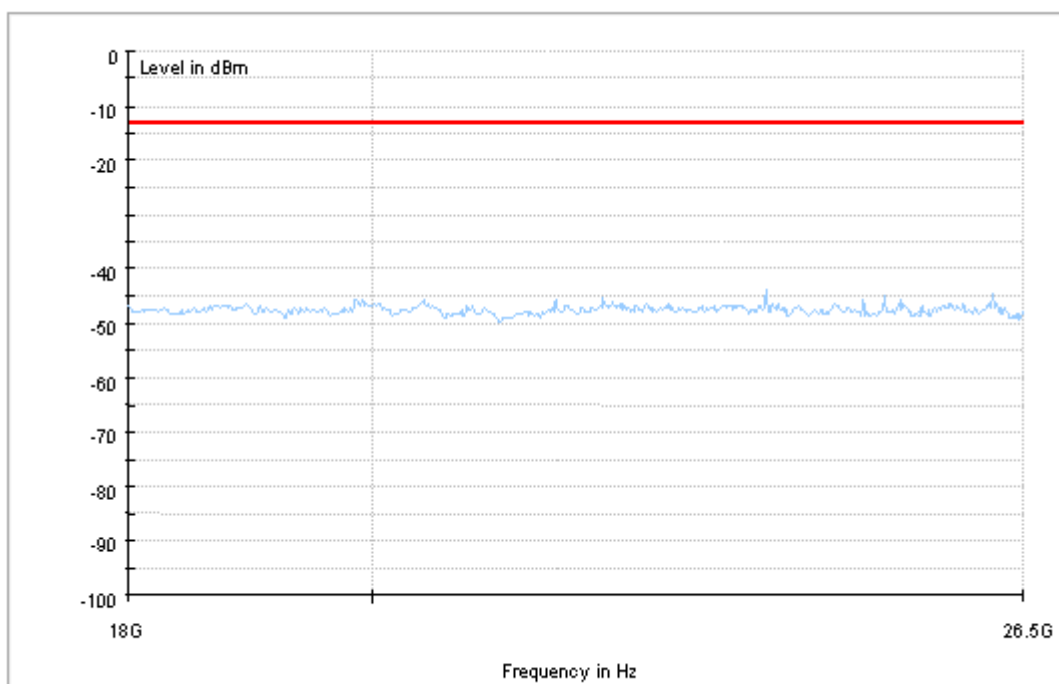
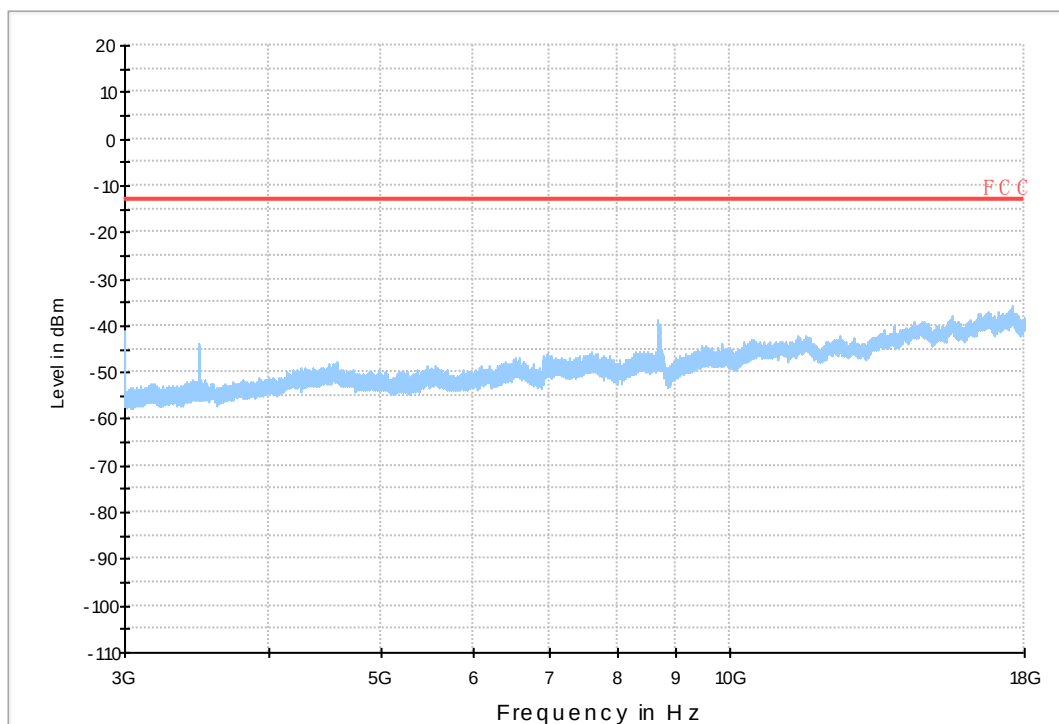
7.3.2.1 Test Bandwidth = 5



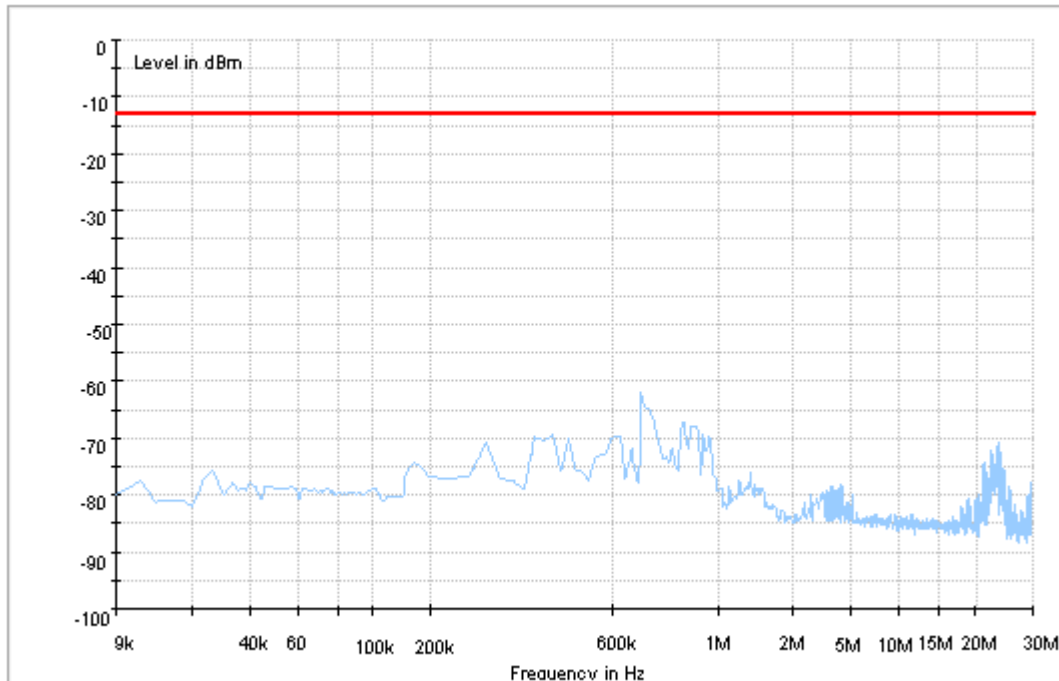
Copy of FCC PART27 LTE Band 4_L



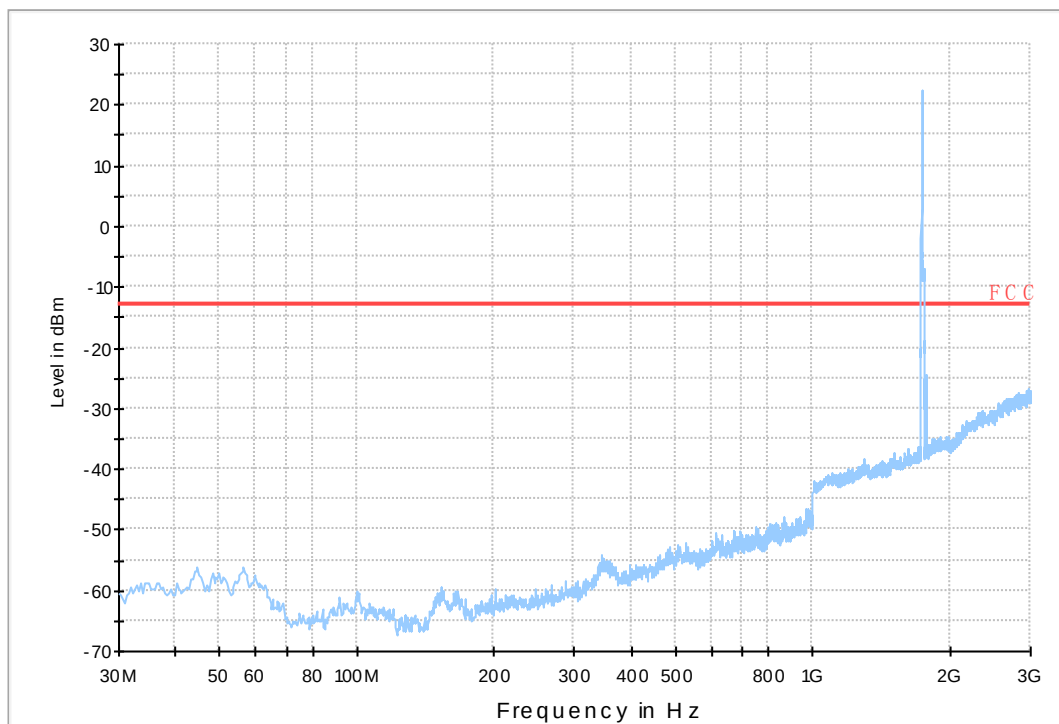
Copy of FCC PART27 LTE Band 4_H



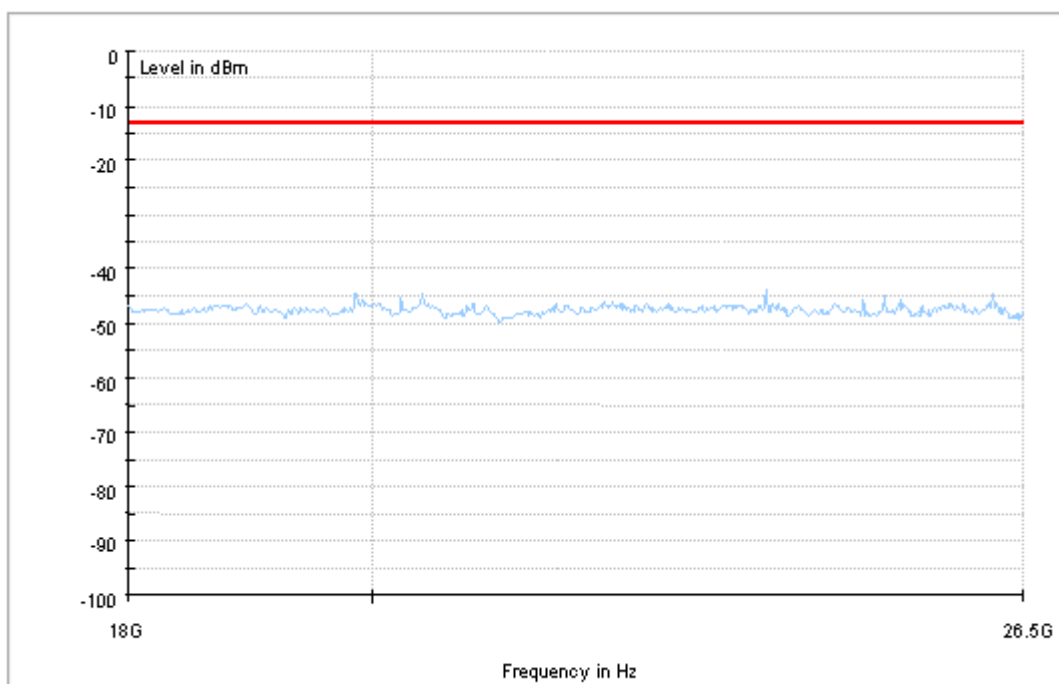
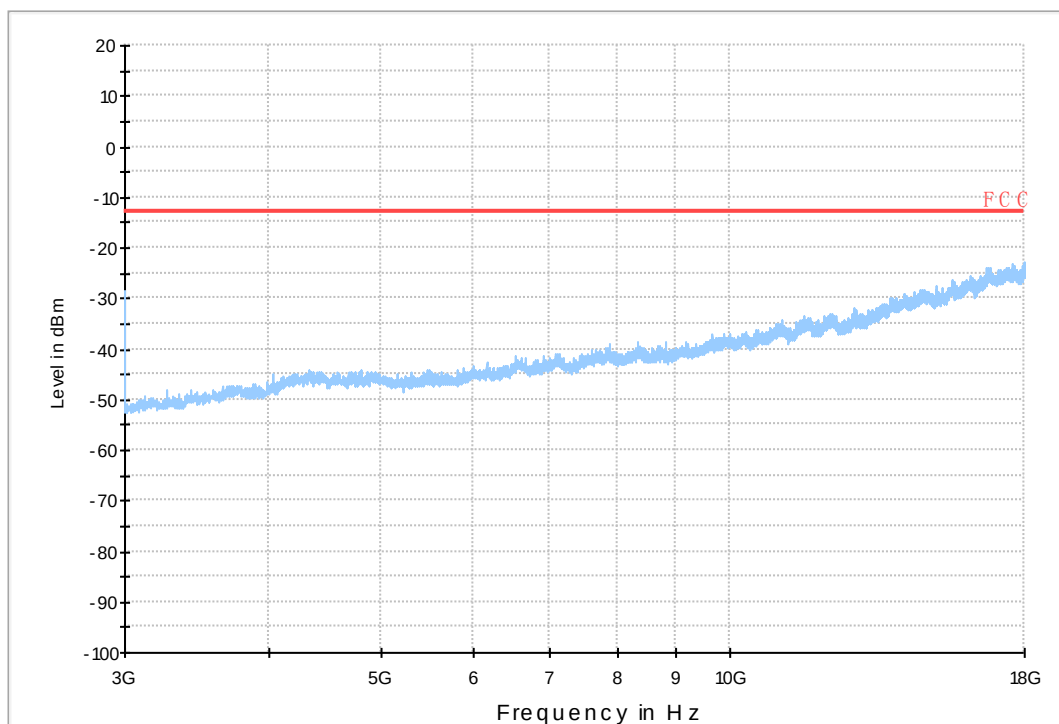
7.3.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

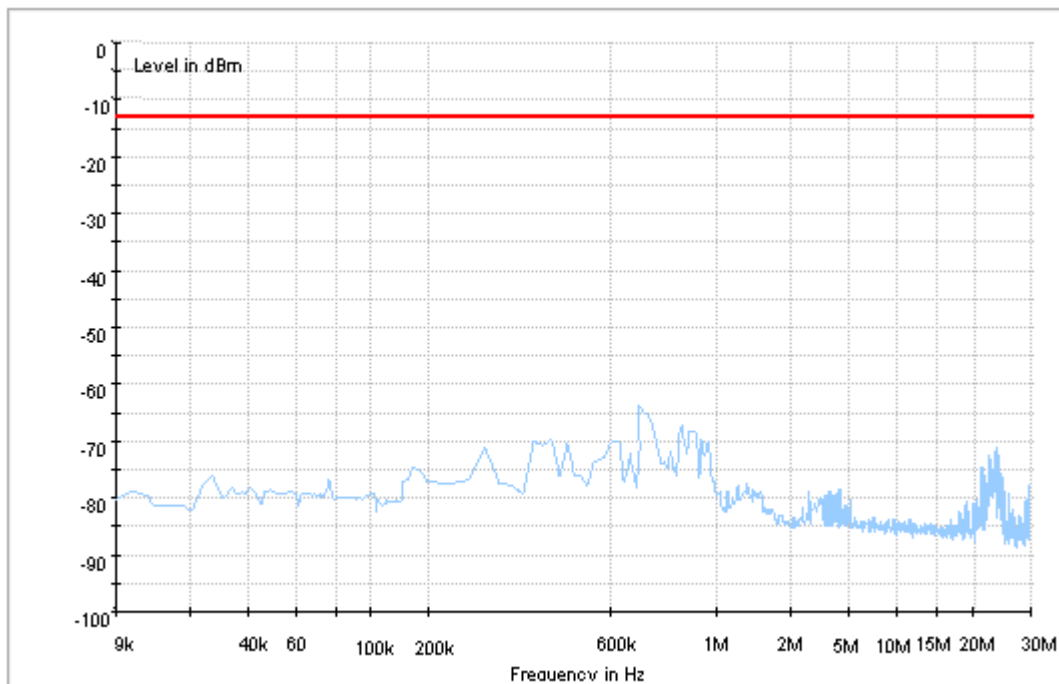


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

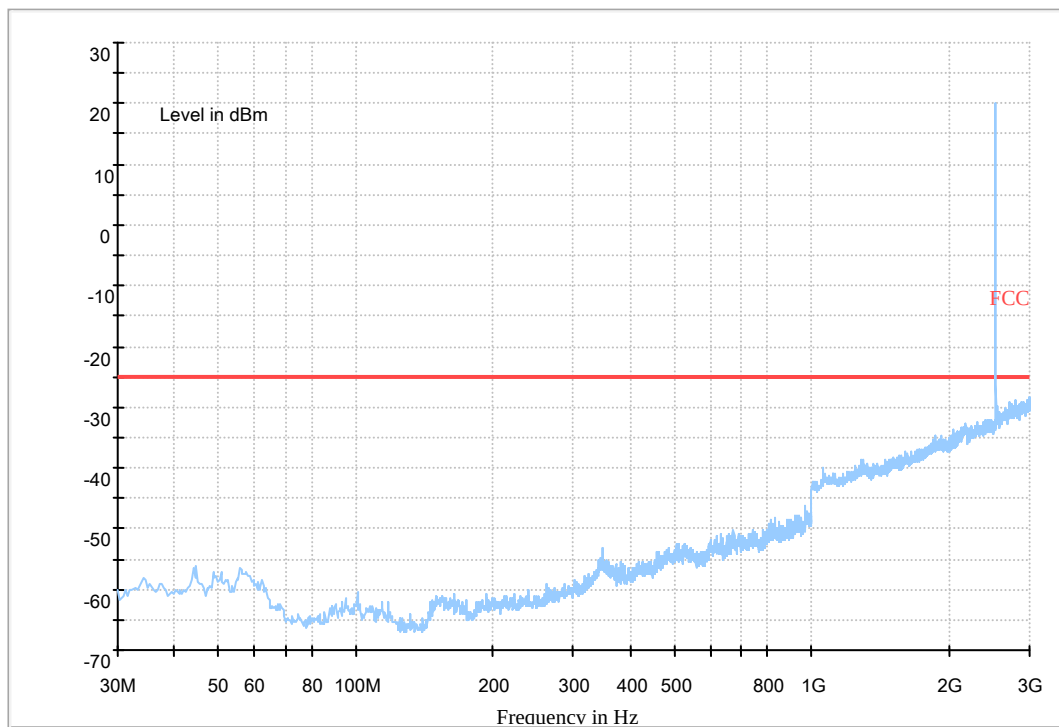


7.3.3 Test Band = BAND7

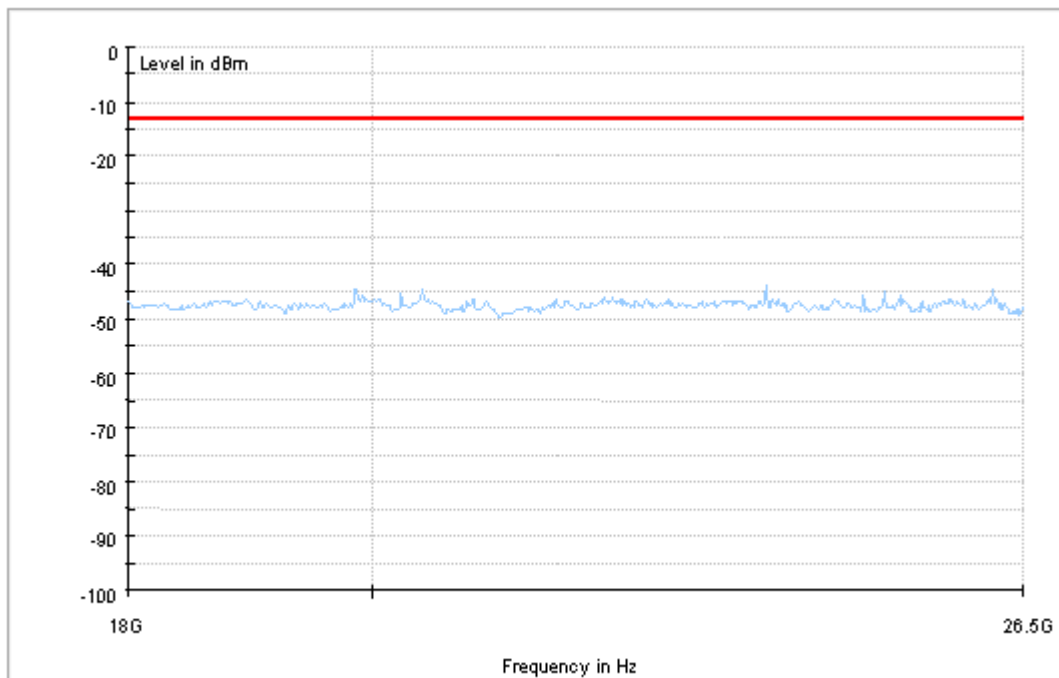
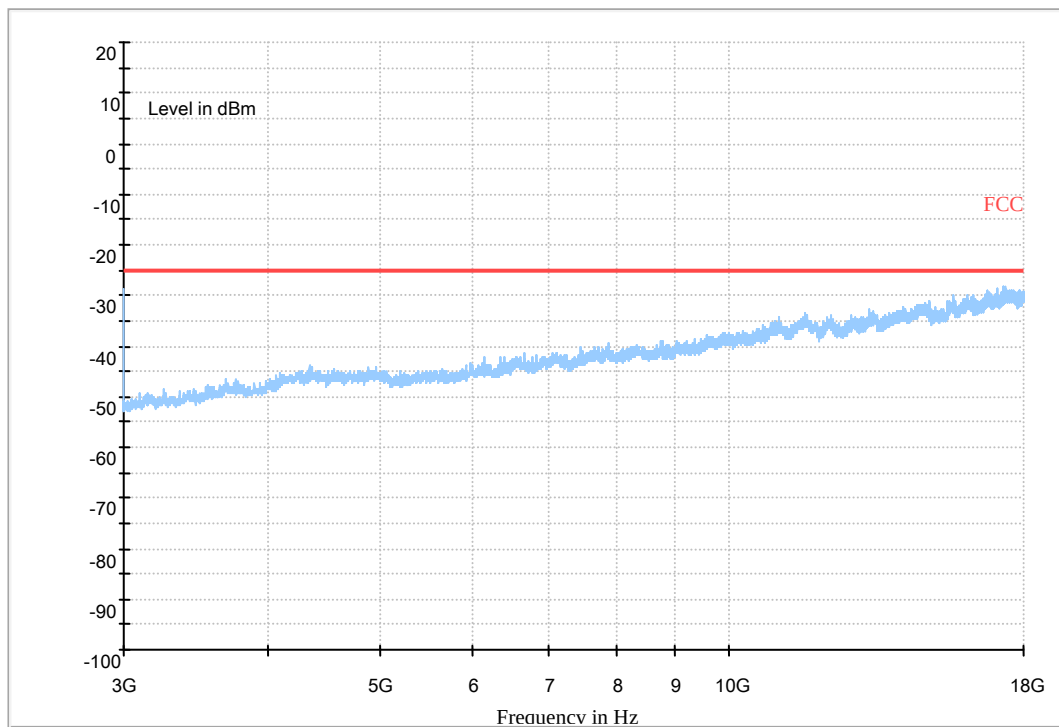
7.3.3.1 Test Bandwidth = 5



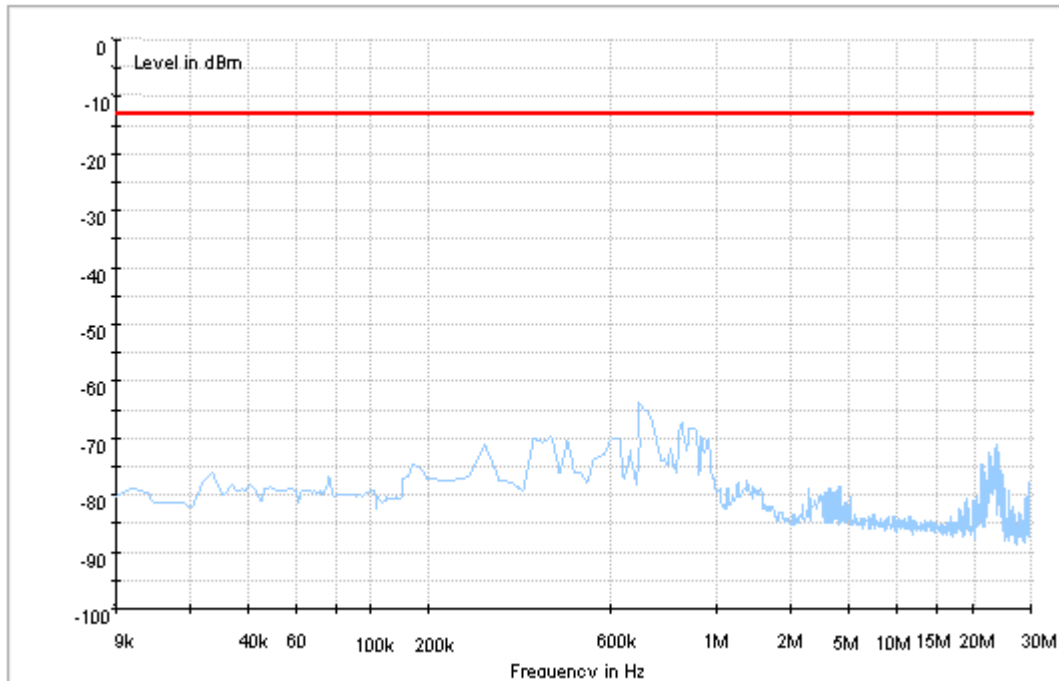
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



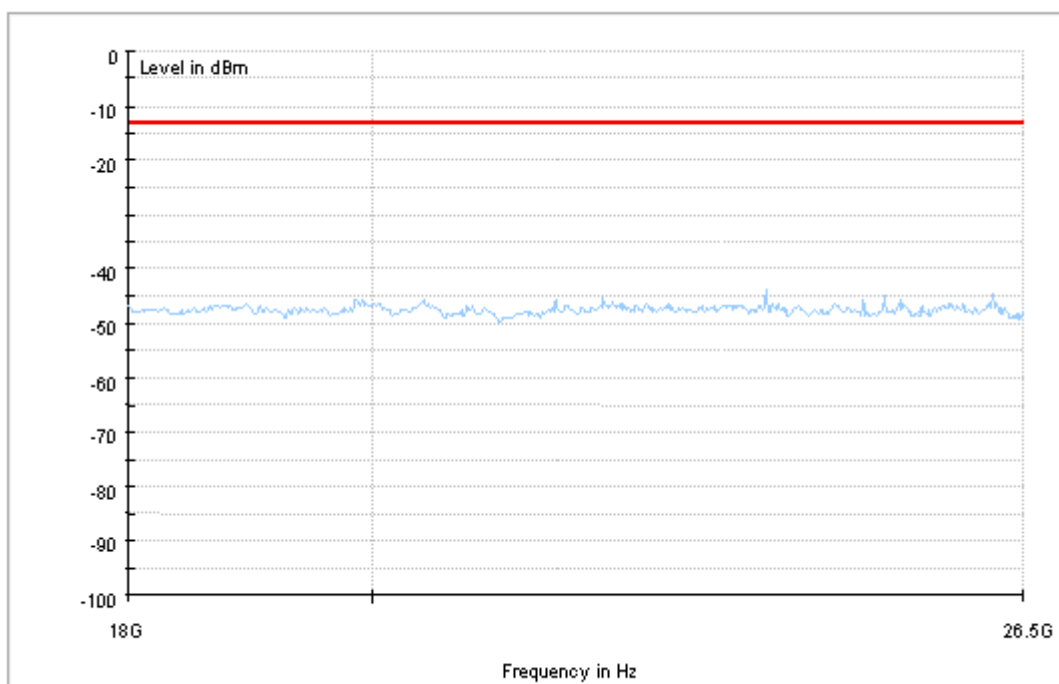
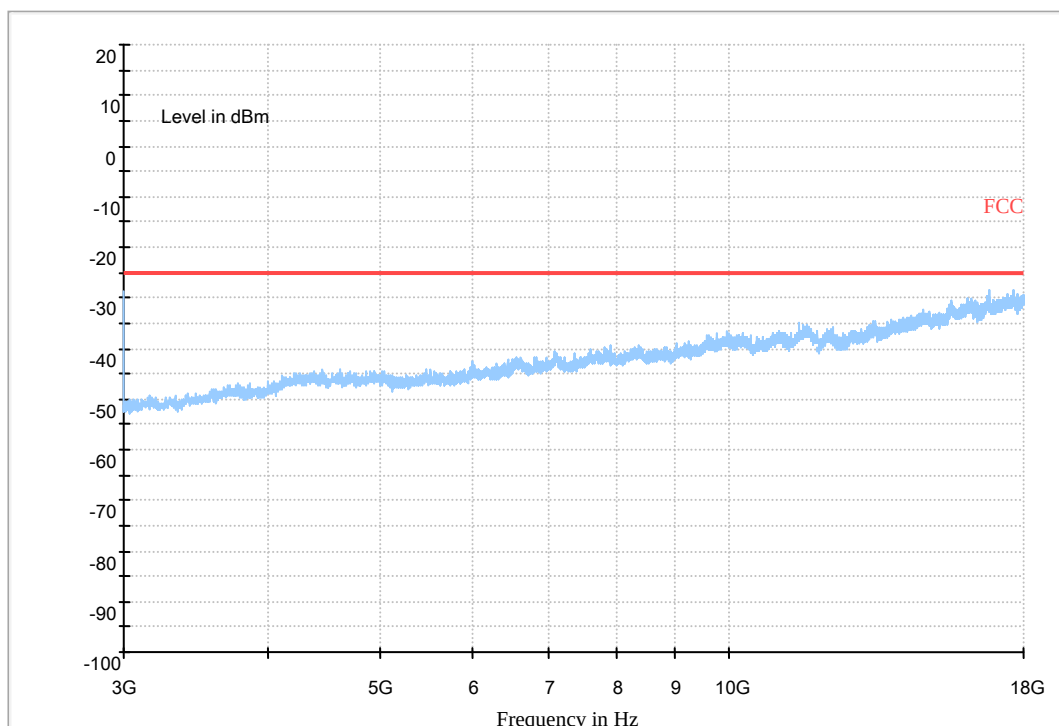
7.3.3.2 Test Bandwidth = 20



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 UMTS

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA1900	UMTS/TM1	LCH	TN	VL	-11.4	-0.00615	PASS
				VN	-2.61	-0.00141	PASS
				VH	5.26	0.00284	PASS
		MCH	TN	VL	3.69	0.00196	PASS
				VN	-1.1	-0.00059	PASS
				VH	7.13	0.00379	PASS
		HCH	TN	VL	-0.27	-0.00014	PASS
				VN	-1.62	-0.00085	PASS
				VH	-4.88	-0.00256	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-5.46	-0.00319	PASS
				VN	-5.97	-0.00349	PASS
				VH	-0.21	-0.00012	PASS
		MCH	TN	VL	3.89	0.00225	PASS
				VN	7.19	0.00415	PASS
				VH	-1.85	-0.00107	PASS
		HCH	TN	VL	-4.62	-0.00264	PASS
				VN	3.78	0.00216	PASS
				VH	10.68	0.00609	PASS
WCDMA850	UMTS/TM1	LCH	TN	VL	-2.23	-0.0027	PASS
				VN	-13.24	-0.01602	PASS
				VH	-3.43	-0.00415	PASS
		MCH	TN	VL	4.55	0.00544	PASS
				VN	-15.24	-0.01822	PASS
				VH	-2.55	-0.00305	PASS
		HCH	TN	VL	-0.84	-0.00099	PASS
				VN	-2.21	-0.00261	PASS
				VH	-1.25	-0.00148	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA1900	UMTS/TM1	LCH	VN	-30	-21.3	-0.0115	PASS
				-20	-7.34	-0.00396	PASS
				-10	7.25	0.00391	PASS
				0	-1.46	-0.00079	PASS
				10	6.97	0.00376	PASS
				20	-4.9	-0.00265	PASS
				30	-11.35	-0.00613	PASS
				40	2.47	0.00133	PASS
				50	4.18	0.00226	PASS
		MCH	VN	-30	-9.93	-0.00528	PASS
				-20	-4.85	-0.00258	PASS
				-10	-9.12	-0.00485	PASS
				0	-3.36	-0.00179	PASS
				10	-7.69	-0.00409	PASS
				20	-8.61	-0.00458	PASS
				30	-5.87	-0.00312	PASS
				40	-0.24	-0.00013	PASS
				50	-6.26	-0.00333	PASS
		HCH	VN	-30	0.63	0.00033	PASS
				-20	-1.04	-0.00055	PASS
				-10	-11.6	-0.00608	PASS
				0	-0.08	-0.00004	PASS
				10	-1.5	-0.00079	PASS
				20	9.19	0.00482	PASS
				30	7.72	0.00405	PASS
				40	-8.44	-0.00442	PASS
				50	-6.7	-0.00351	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	0.9	0.00053	PASS
				-20	-1.75	-0.00102	PASS
				-10	4.94	0.00288	PASS
				0	-0.12	-0.00007	PASS
				10	3.31	0.00193	PASS
				20	7.25	0.00423	PASS
				30	-3.39	-0.00198	PASS
				40	-2.38	-0.00139	PASS
				50	-0.56	-0.00033	PASS
		MCH	VN	-30	2.82	0.00163	PASS