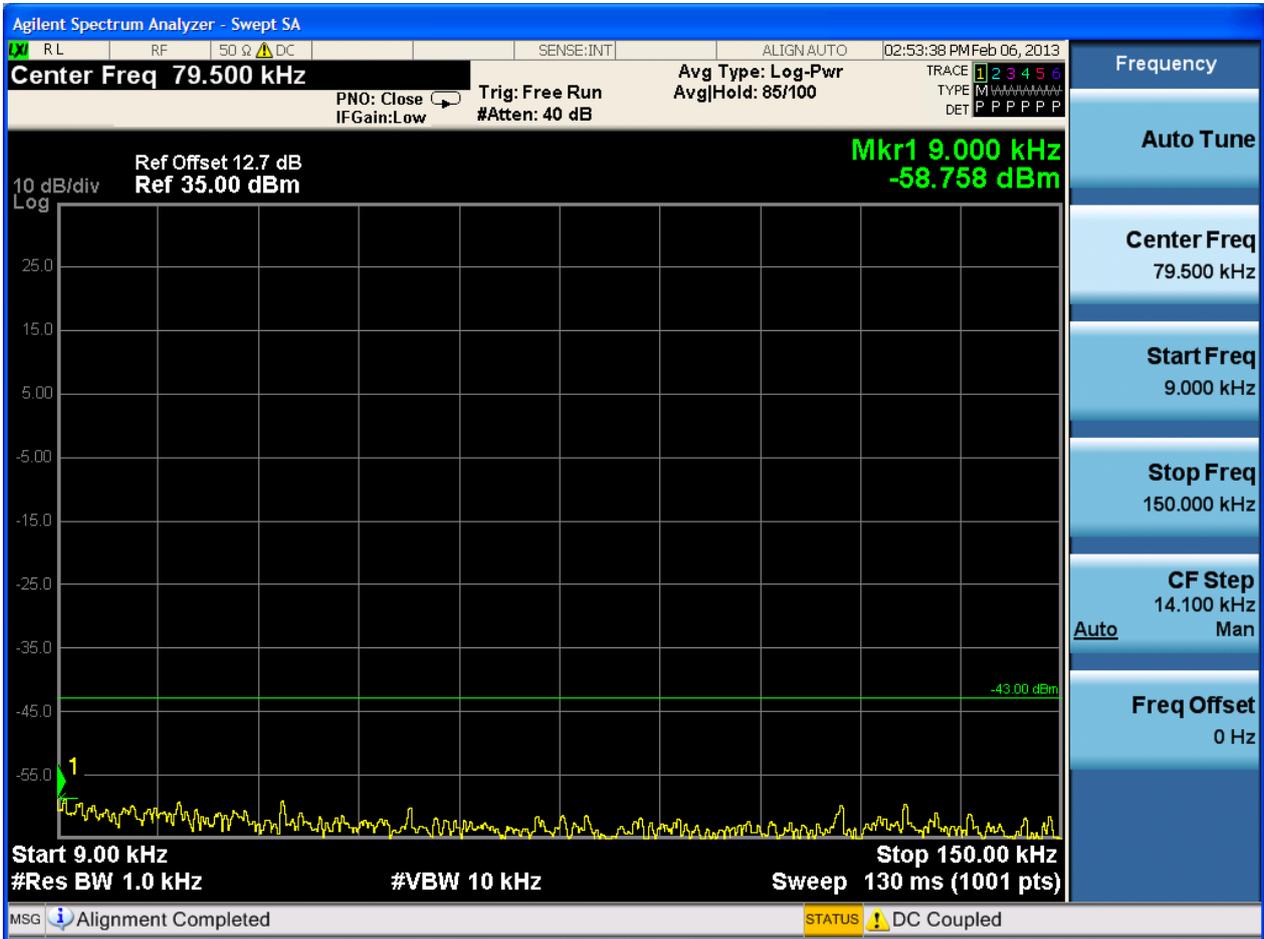
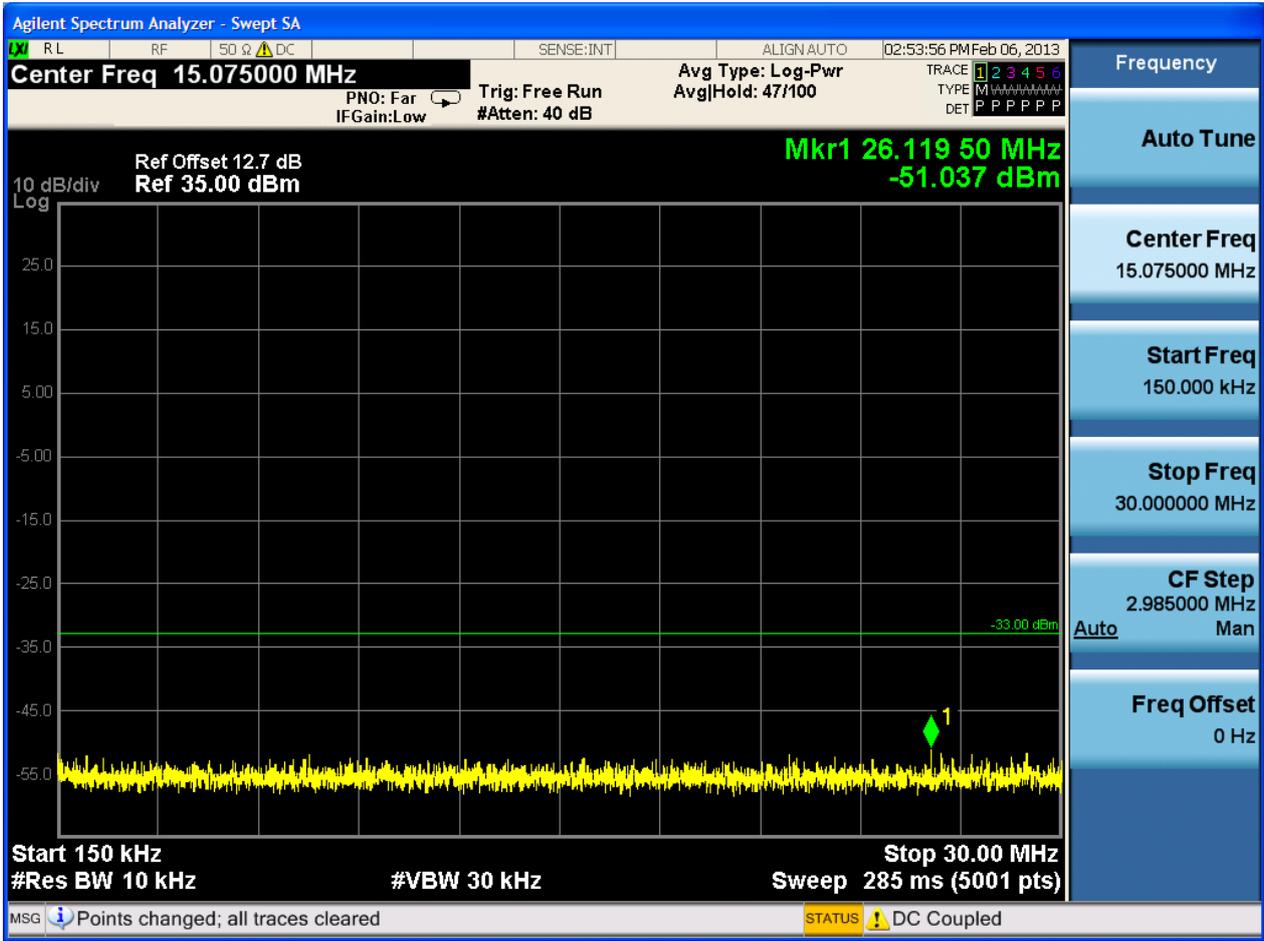
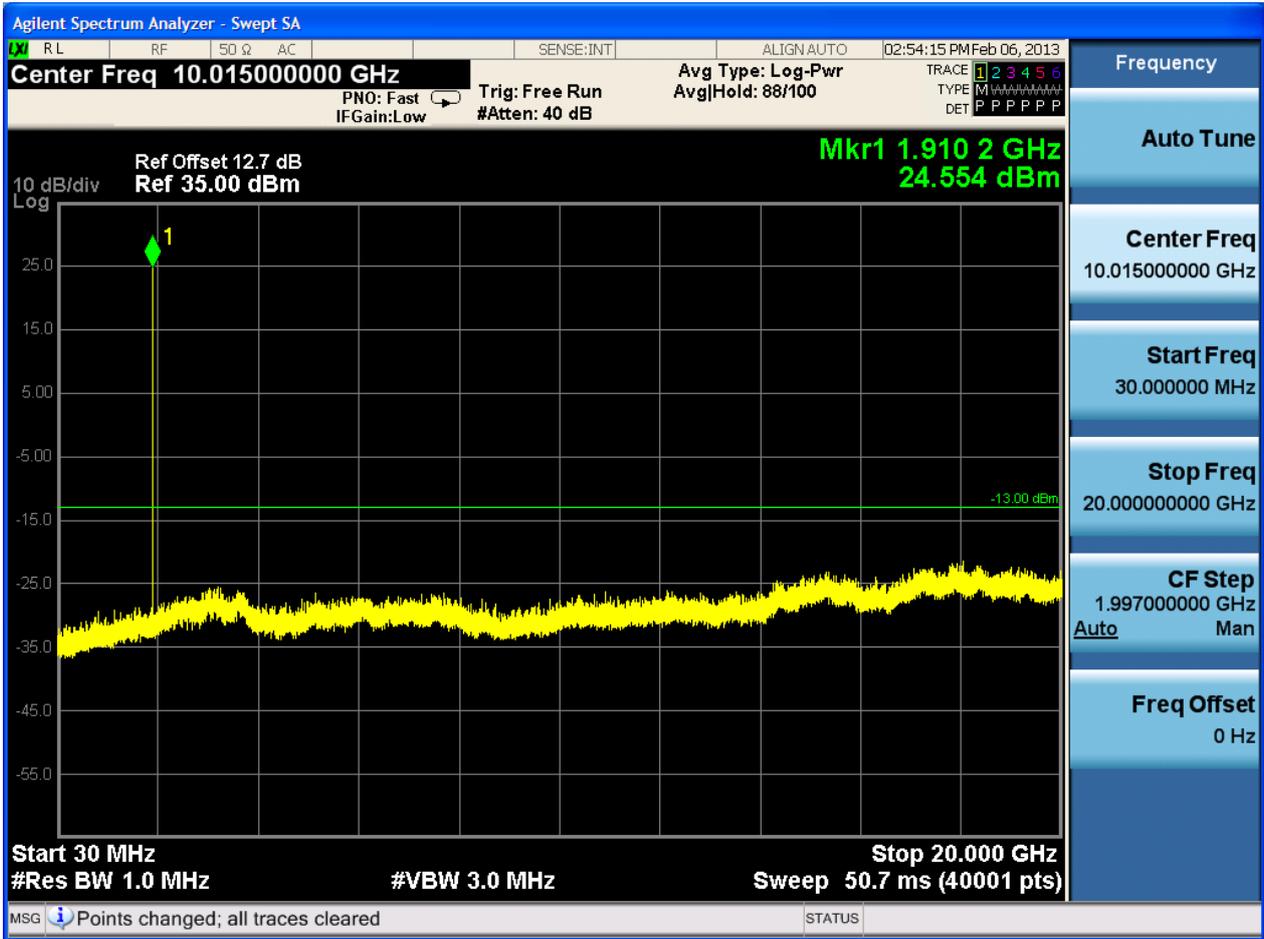




6.1.2.2.3 Test Channel = HCH







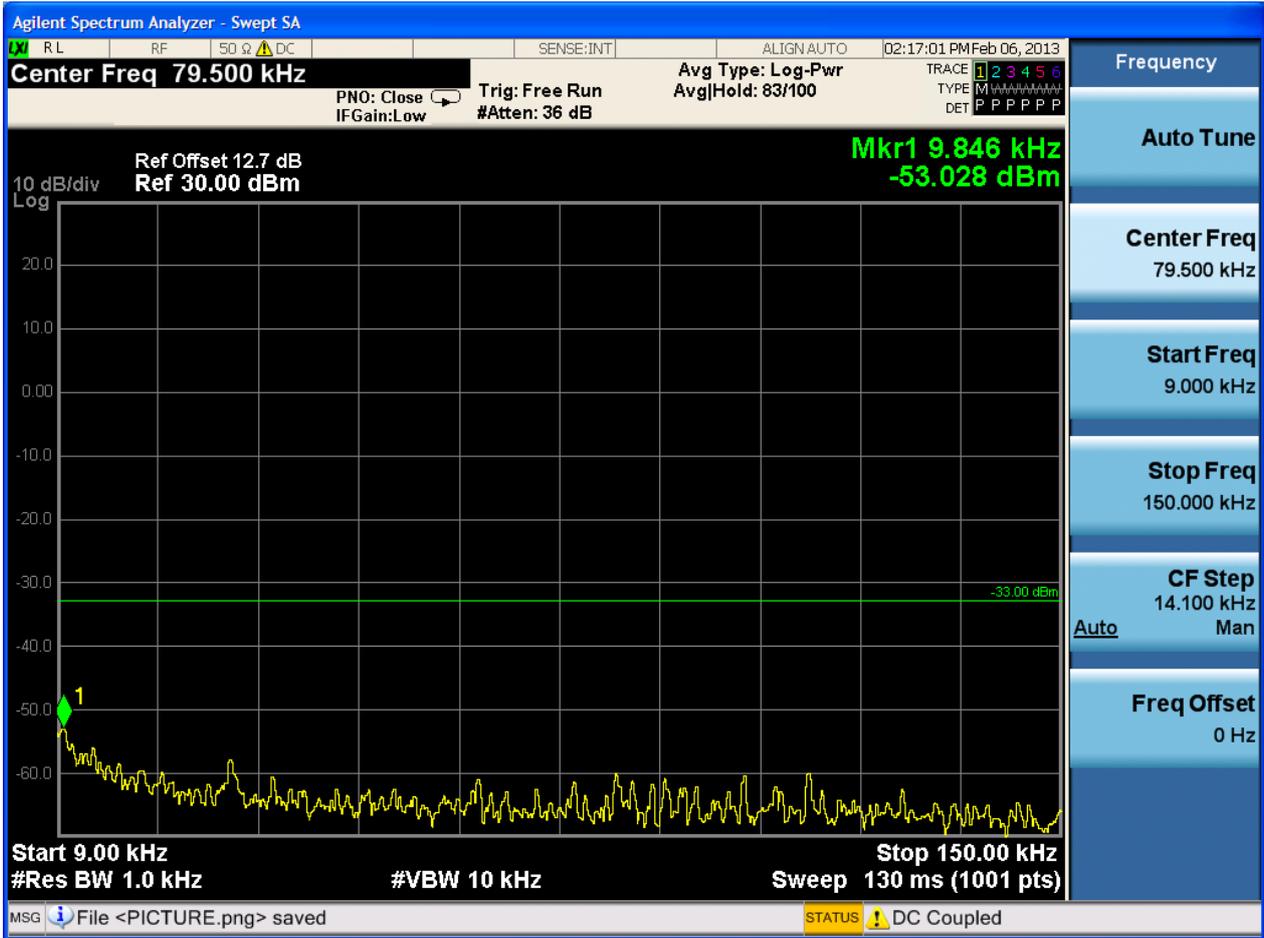


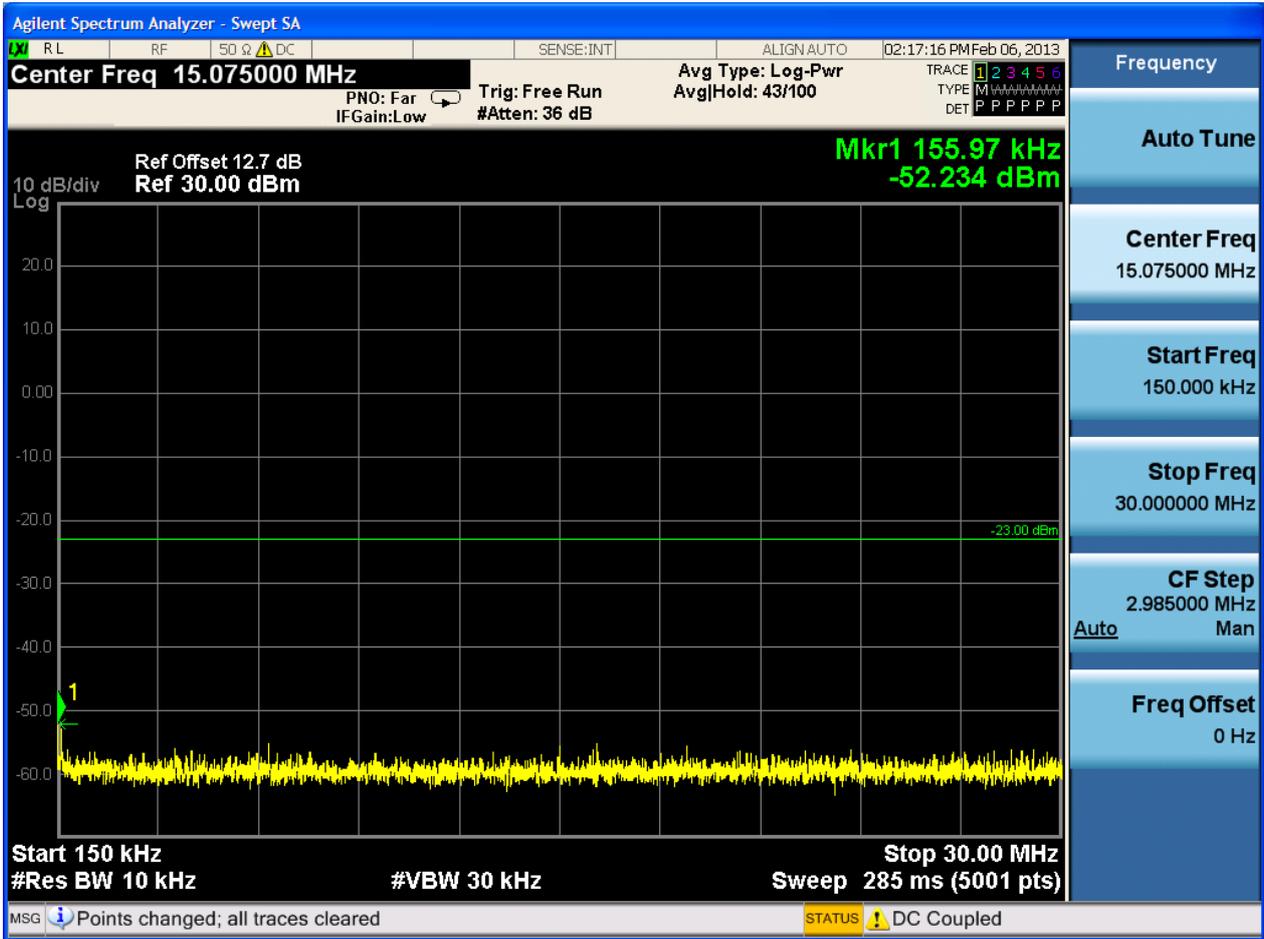
6.2 For UMTS

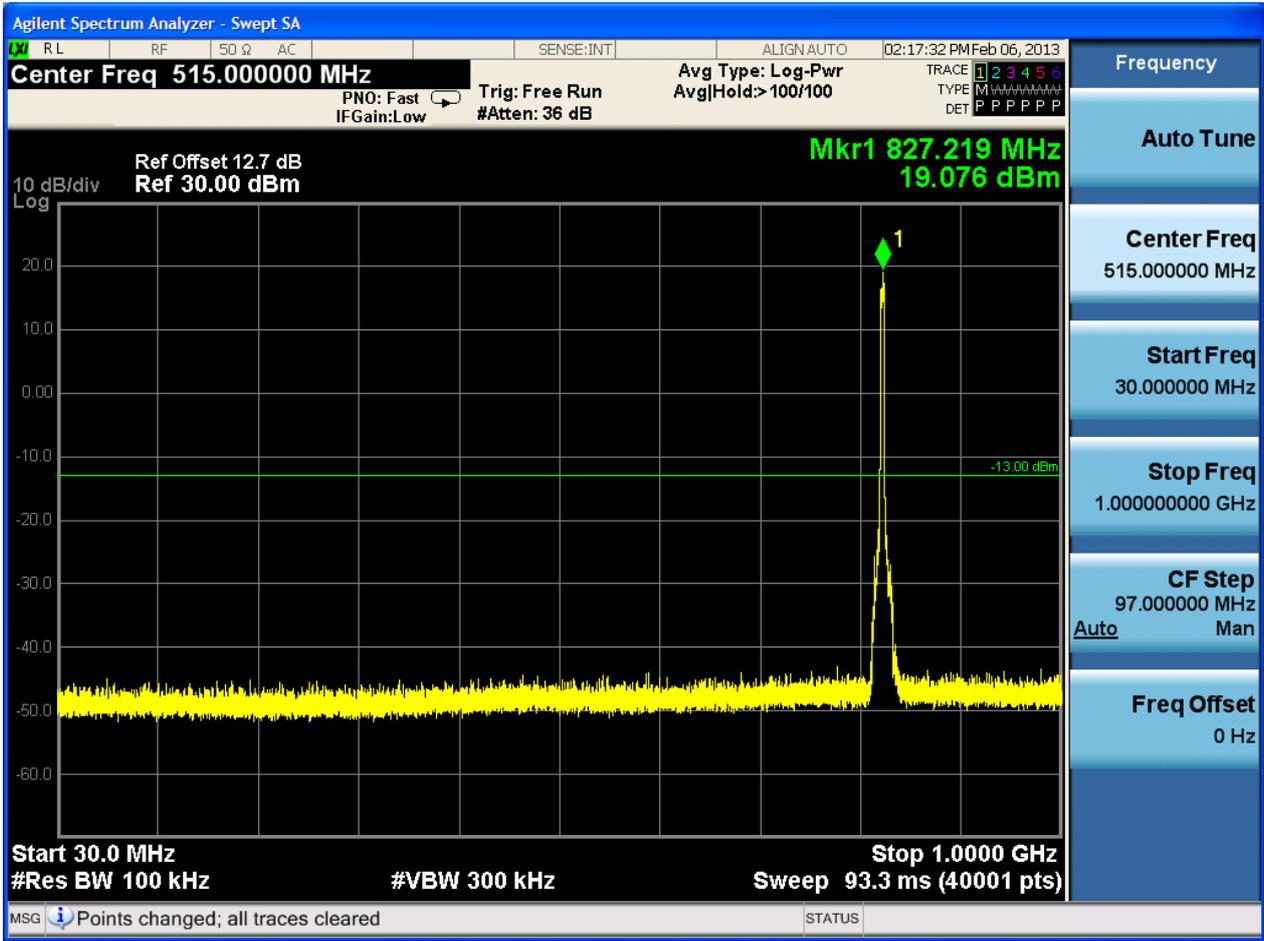
6.2.1 Test Band = WCDMA850

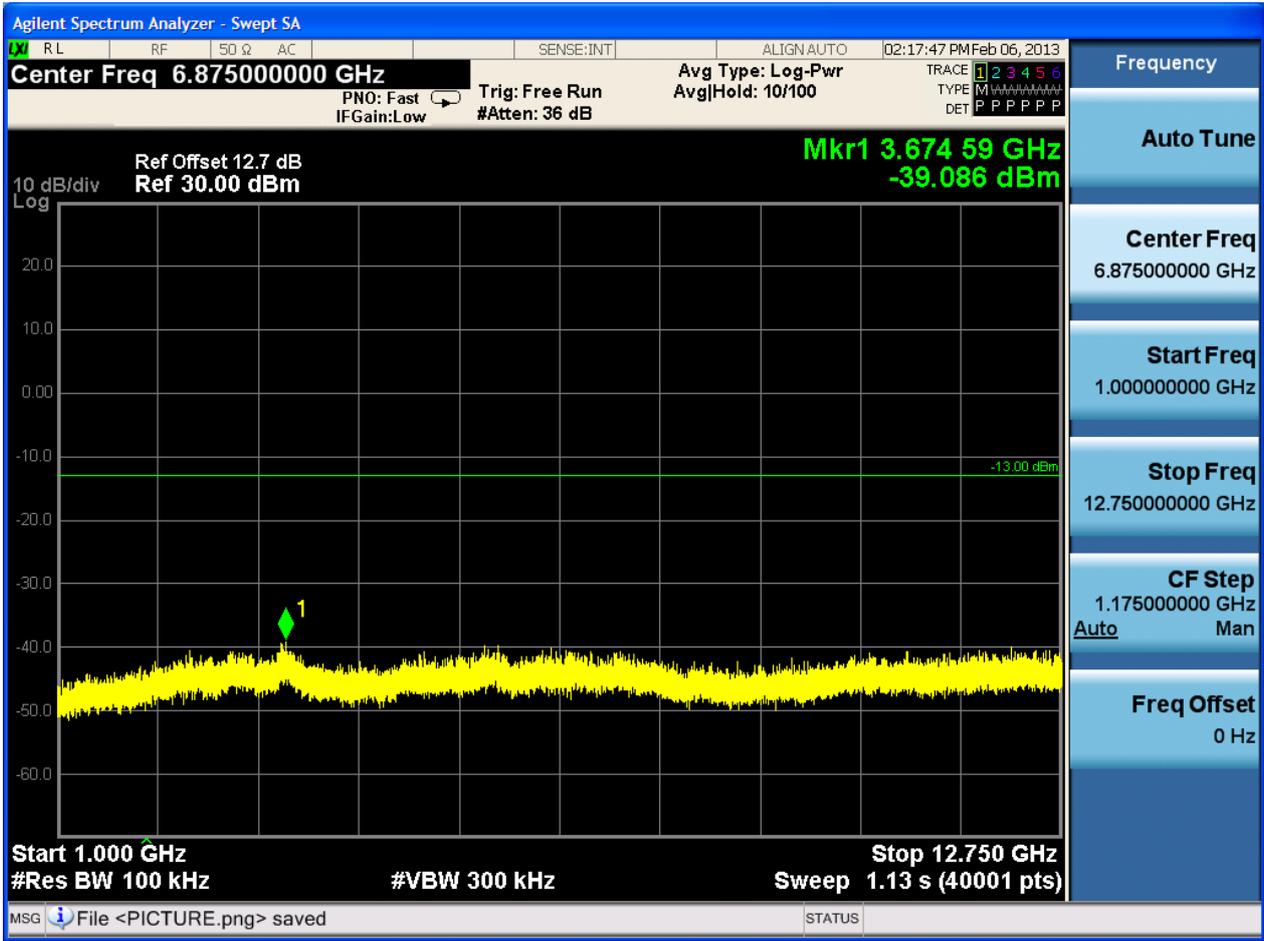
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH



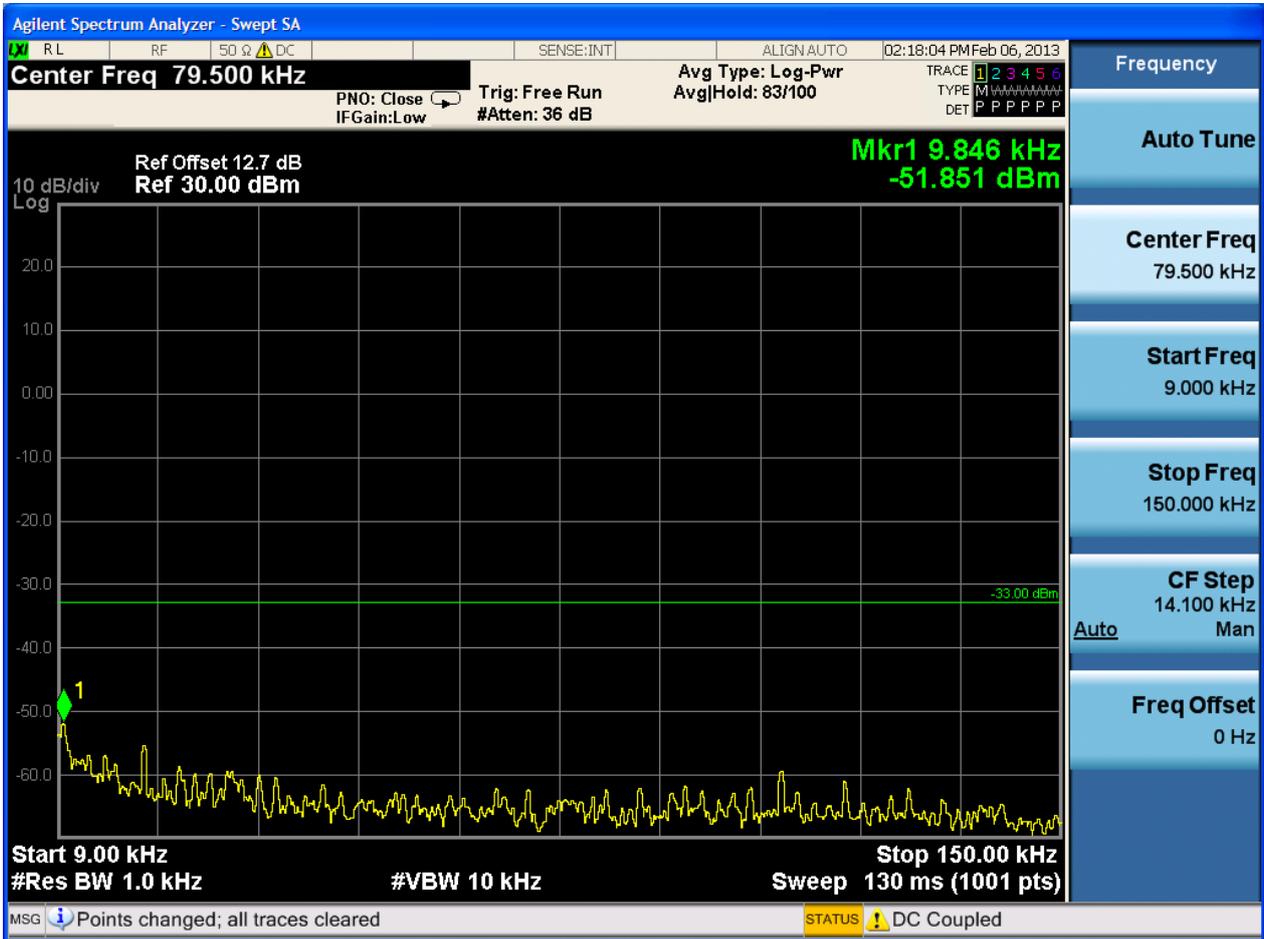


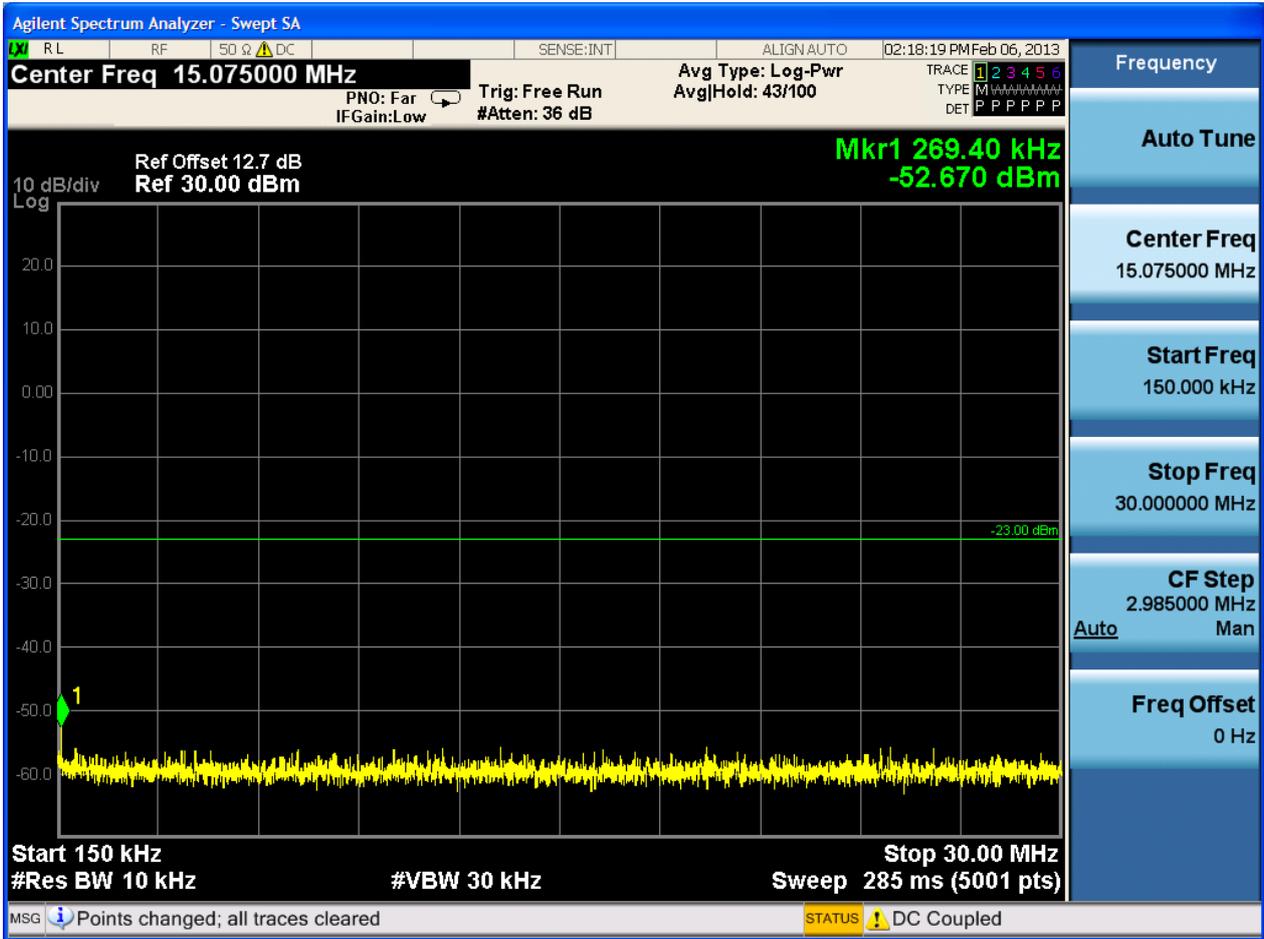


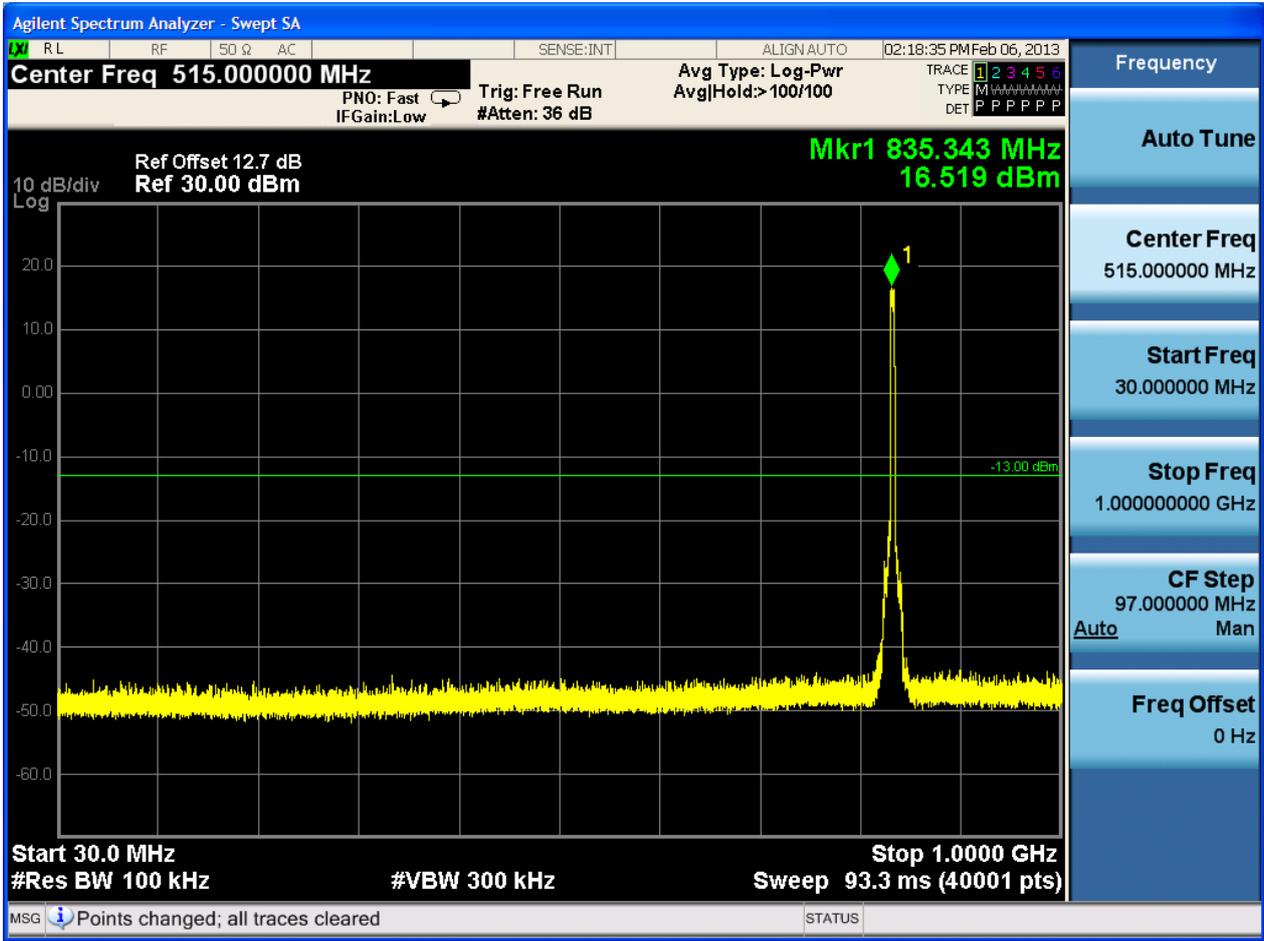




6.2.1.1.2 Test Channel = MCH

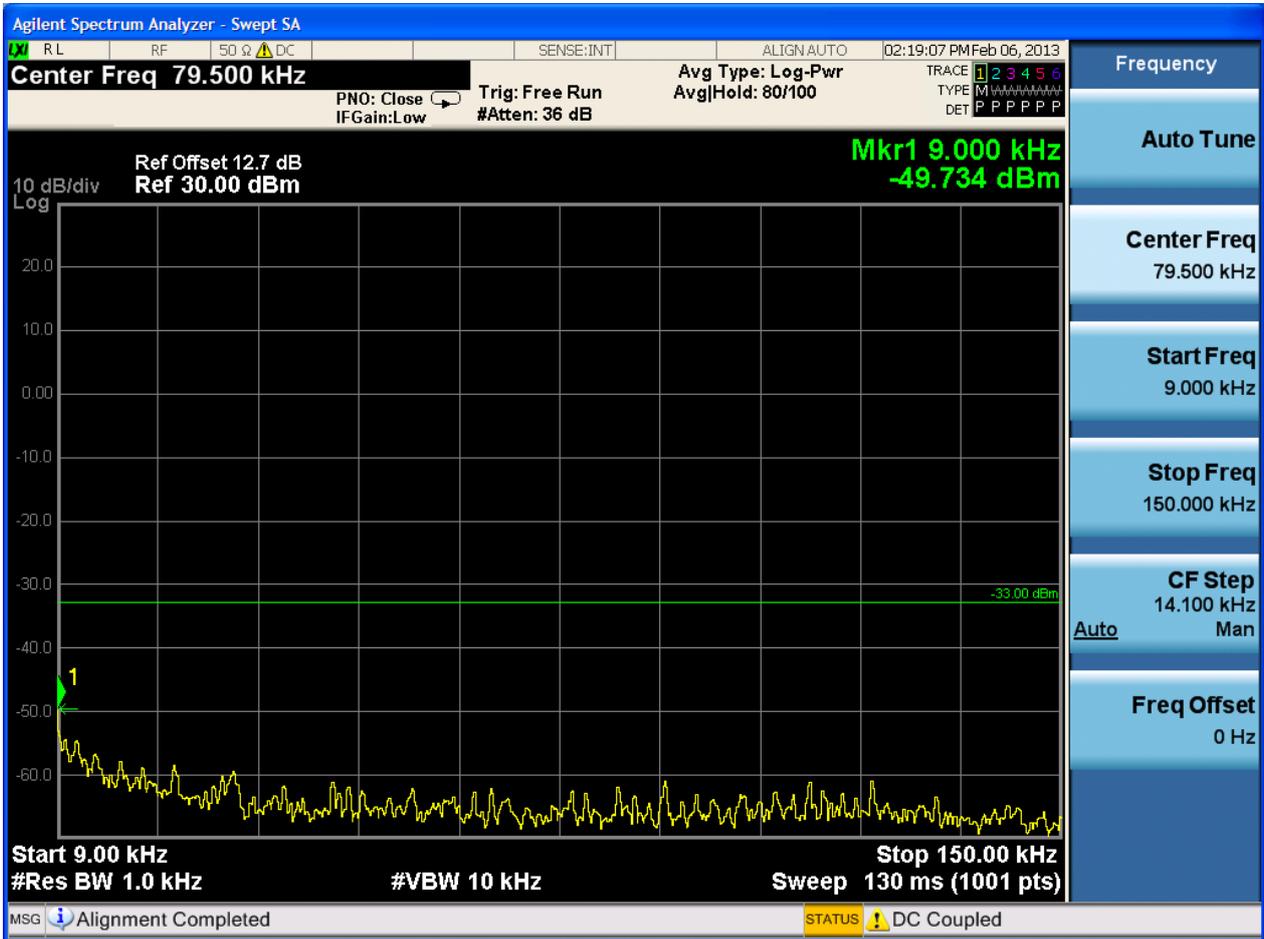


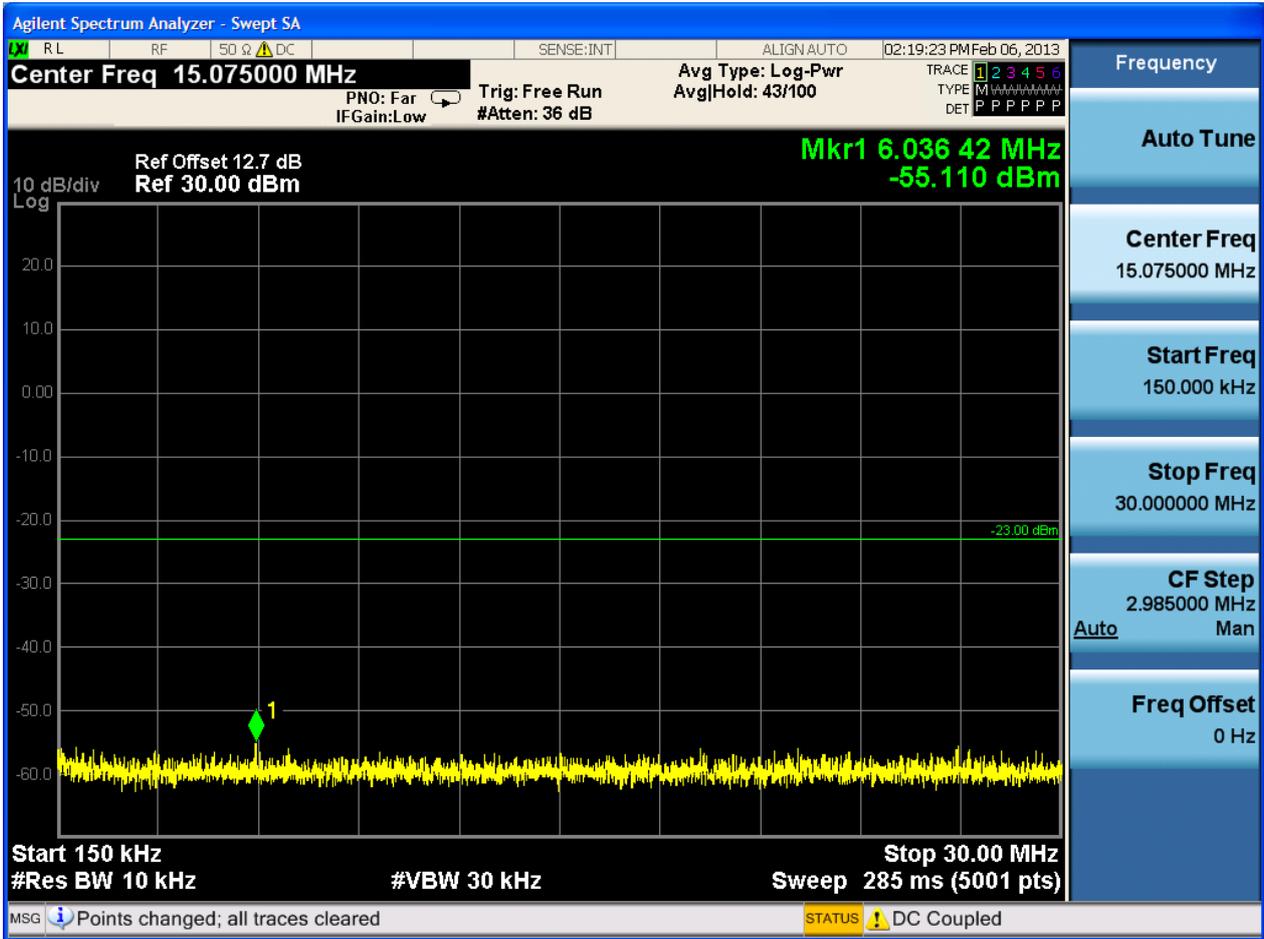


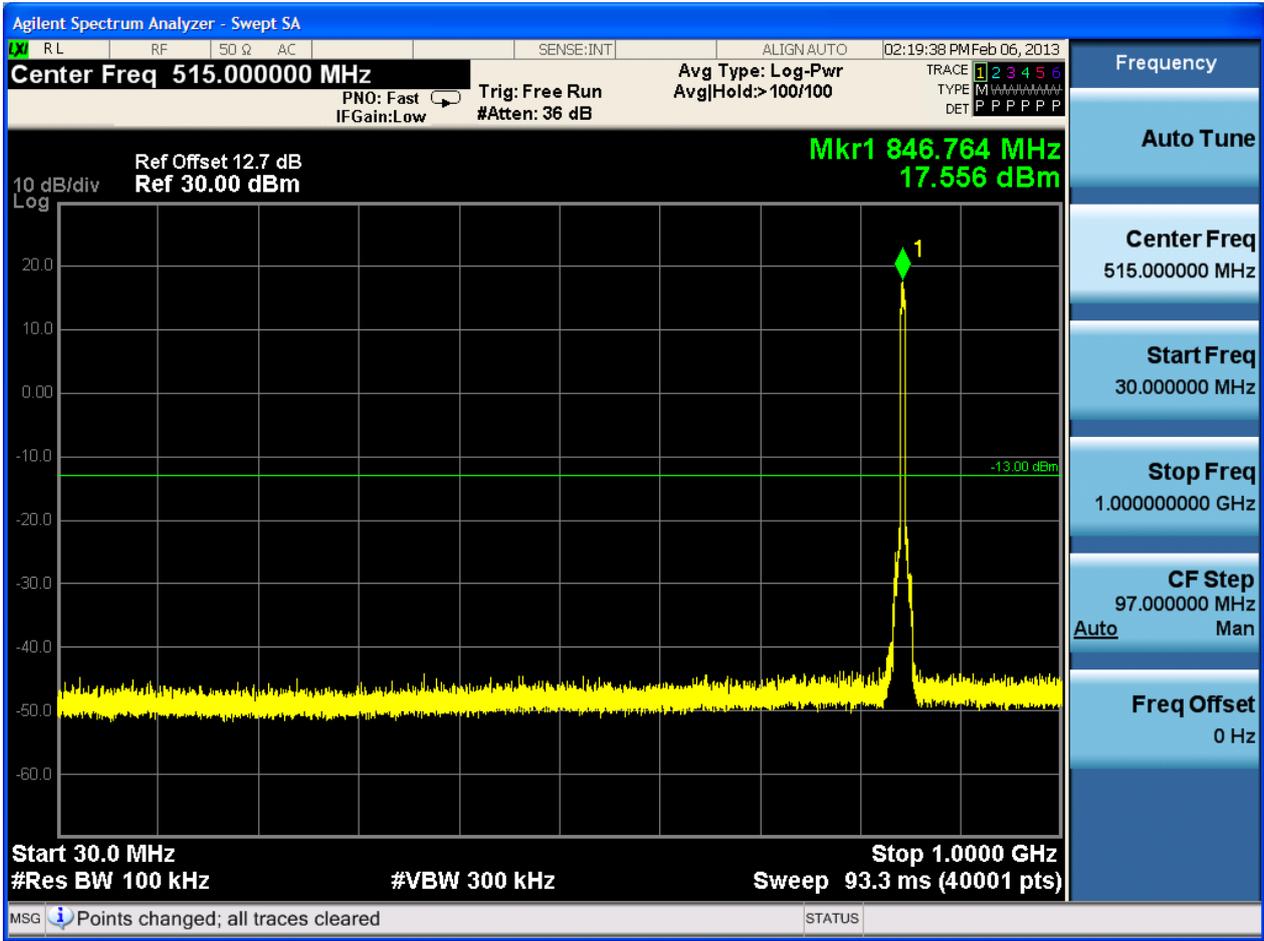


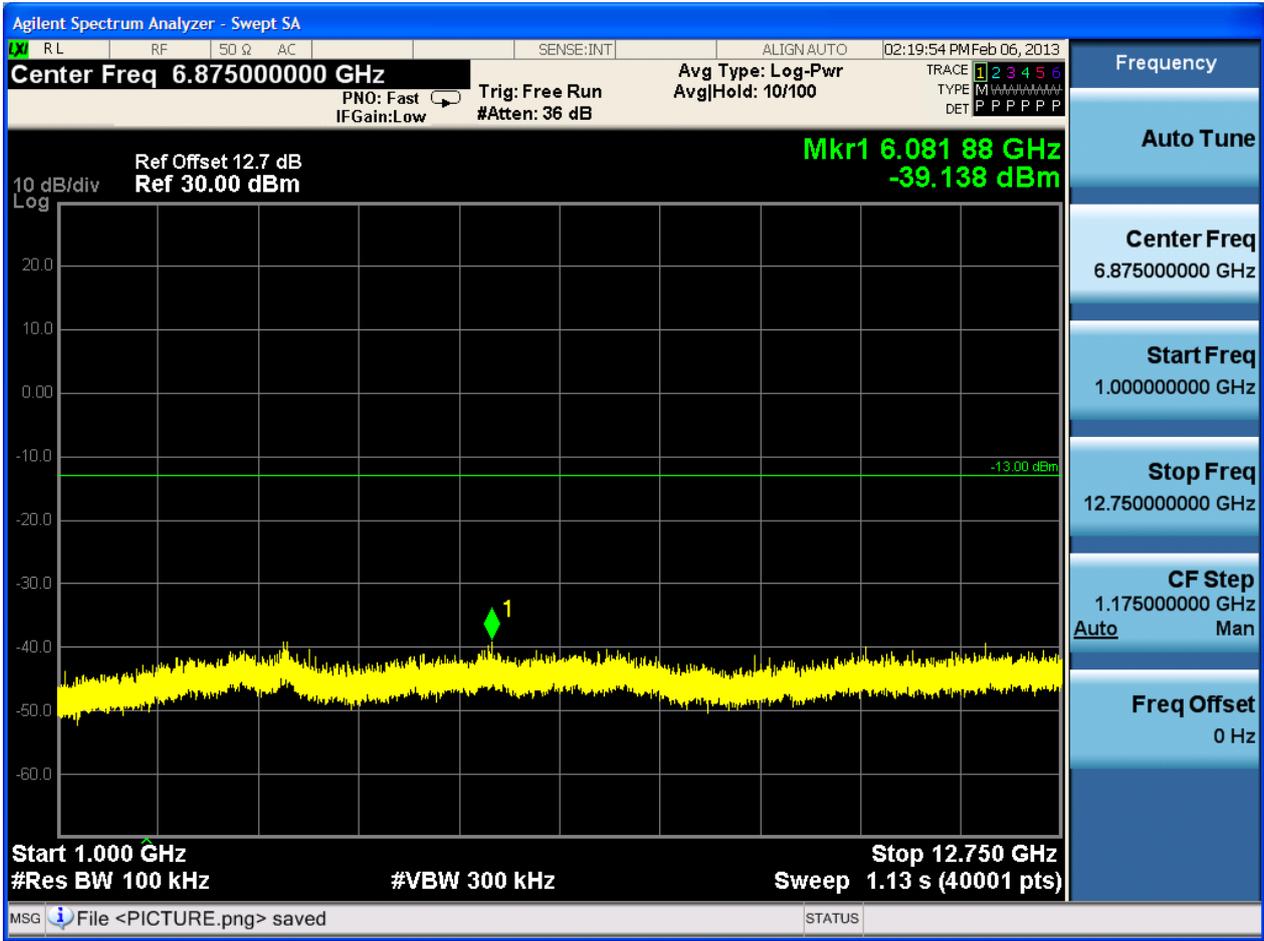


6.2.1.1.3 Test Channel = HCH







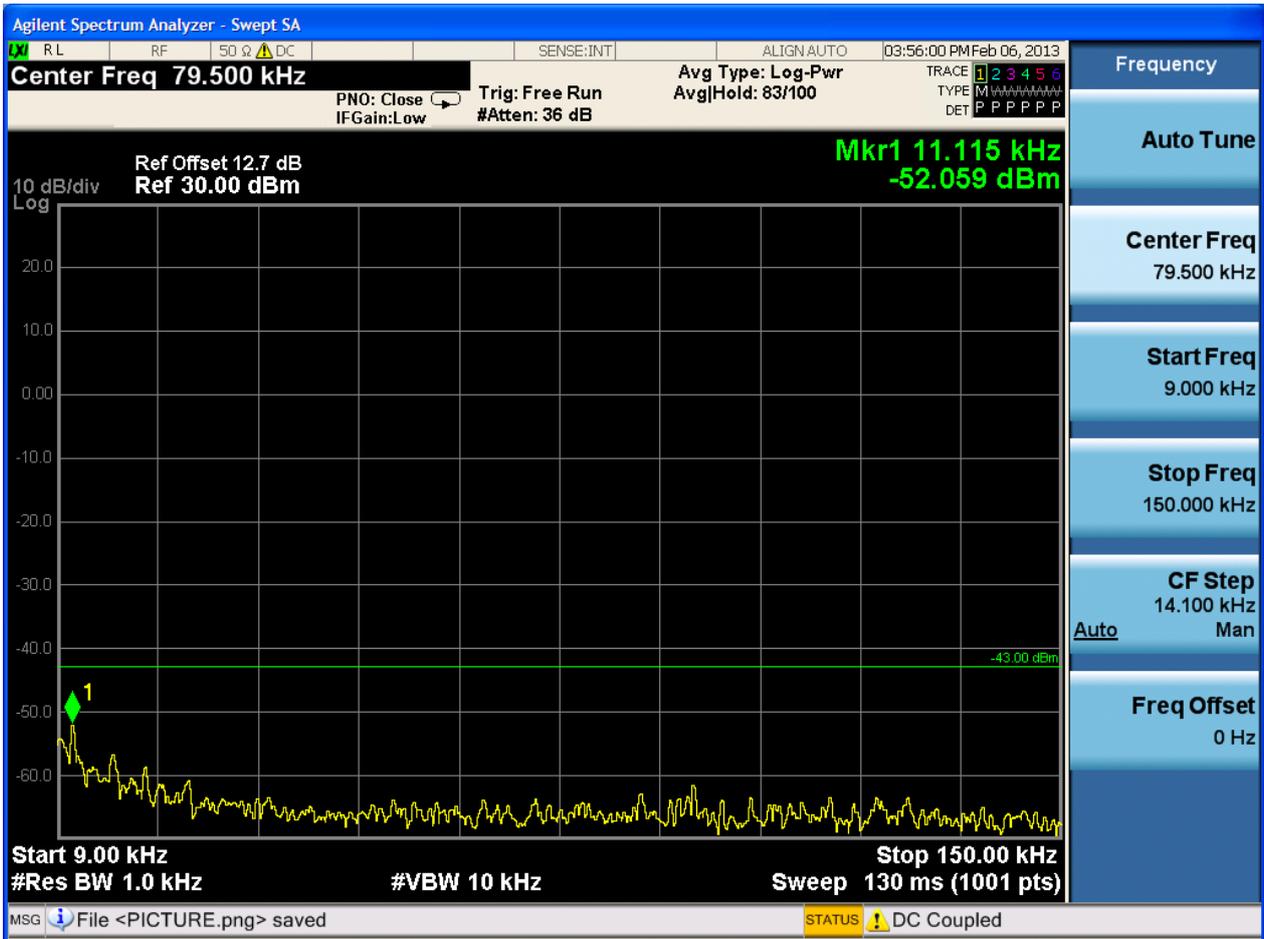


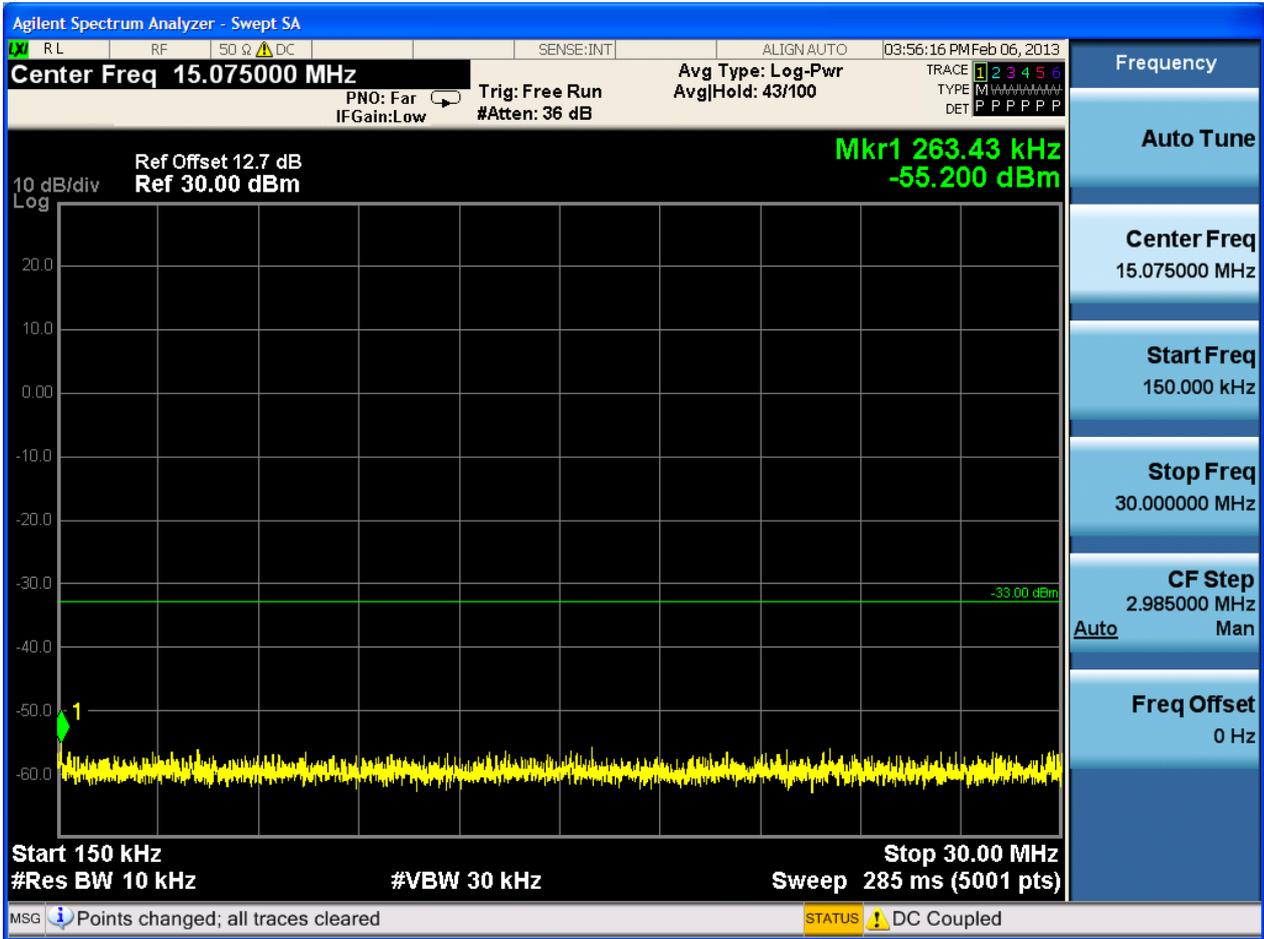


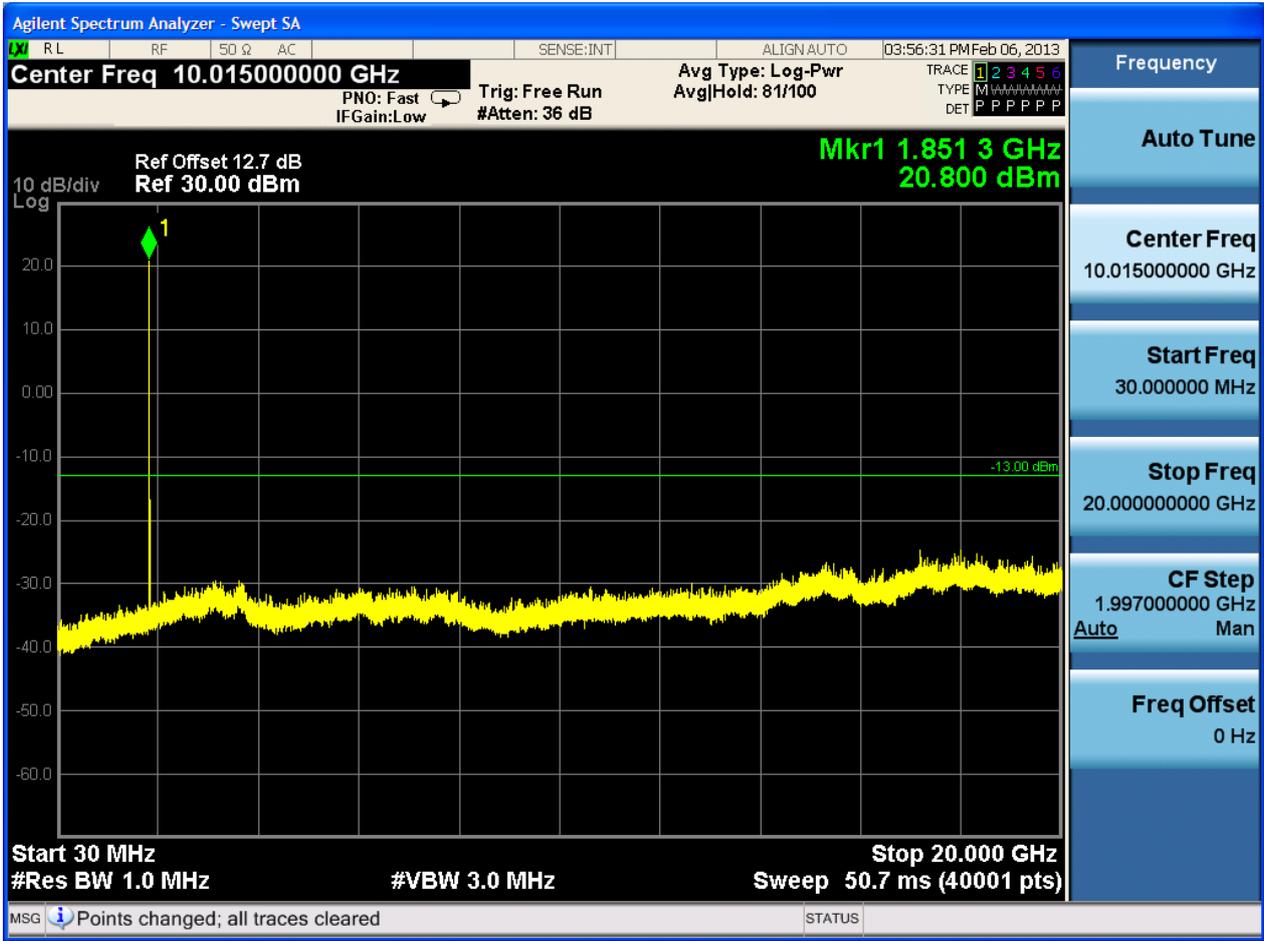
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH

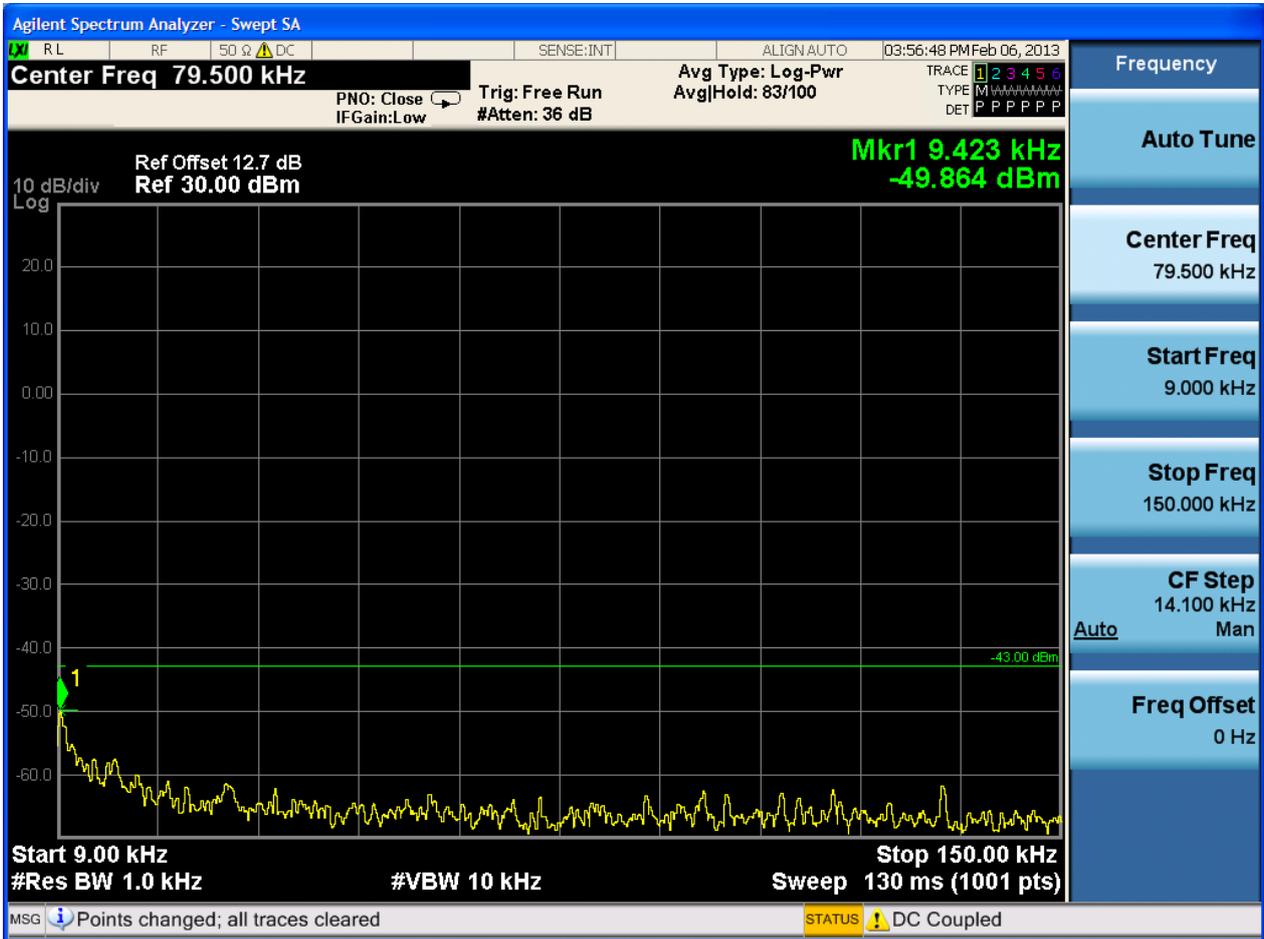


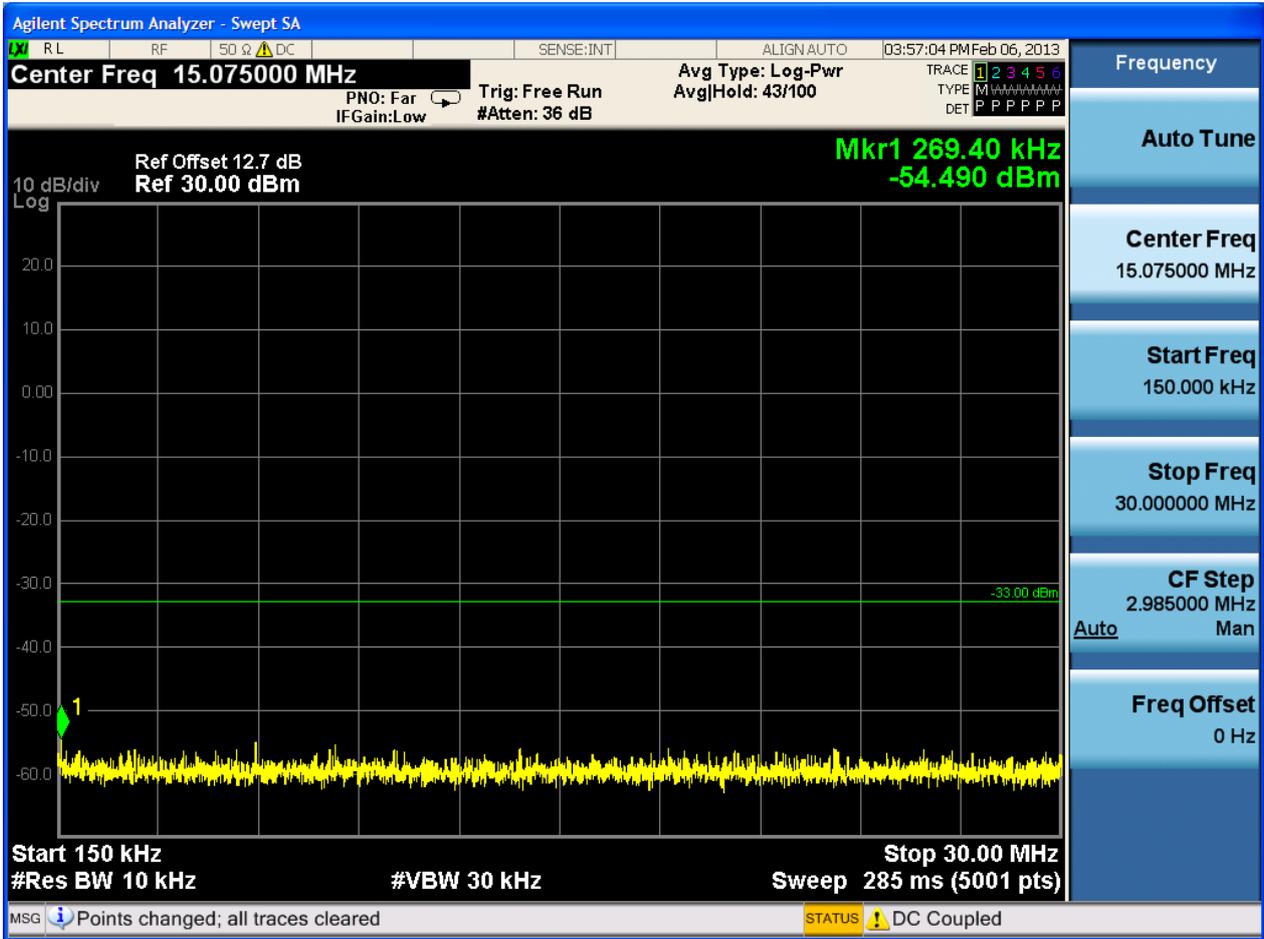


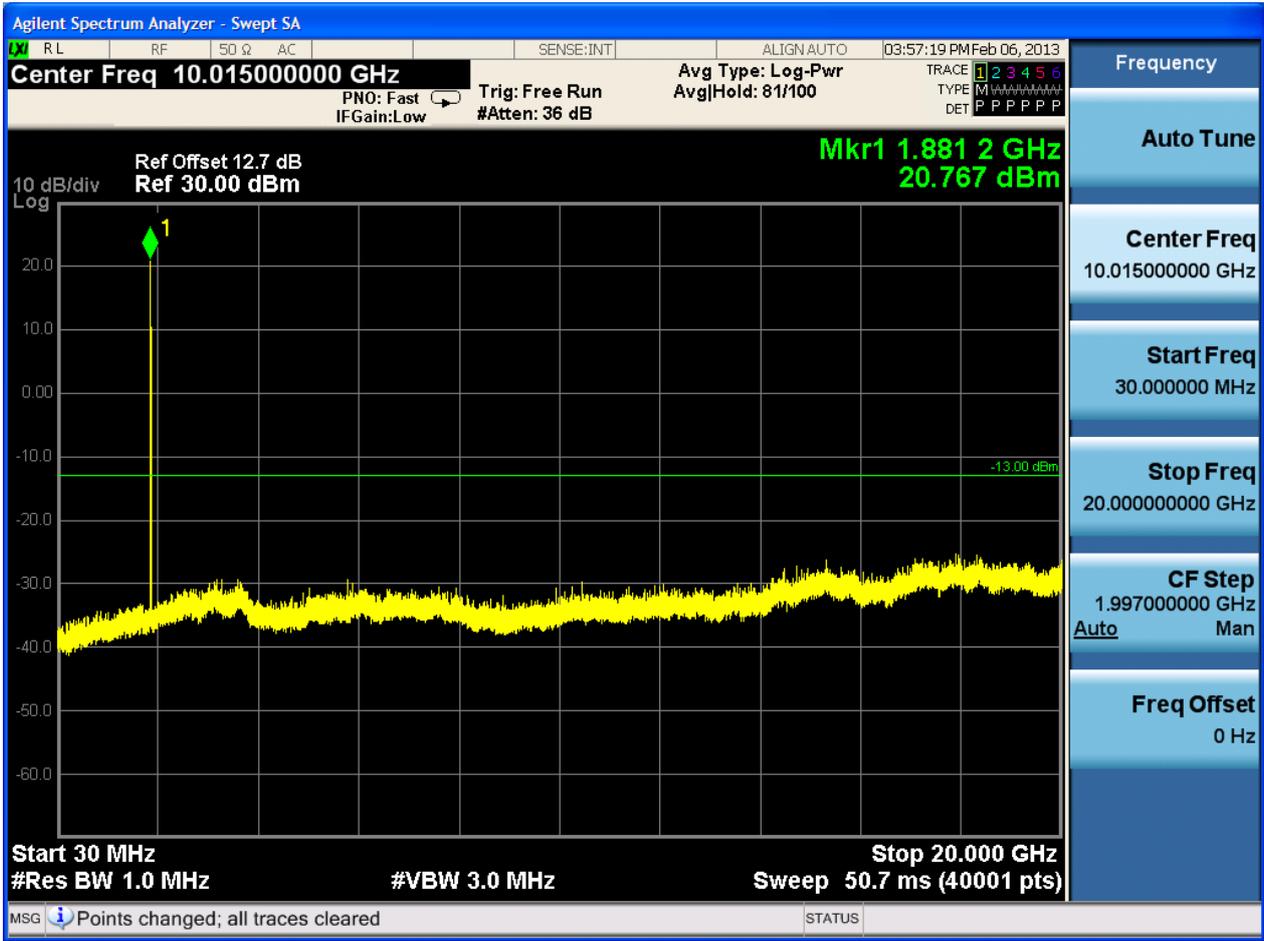




6.2.2.1.2 Test Channel = MCH

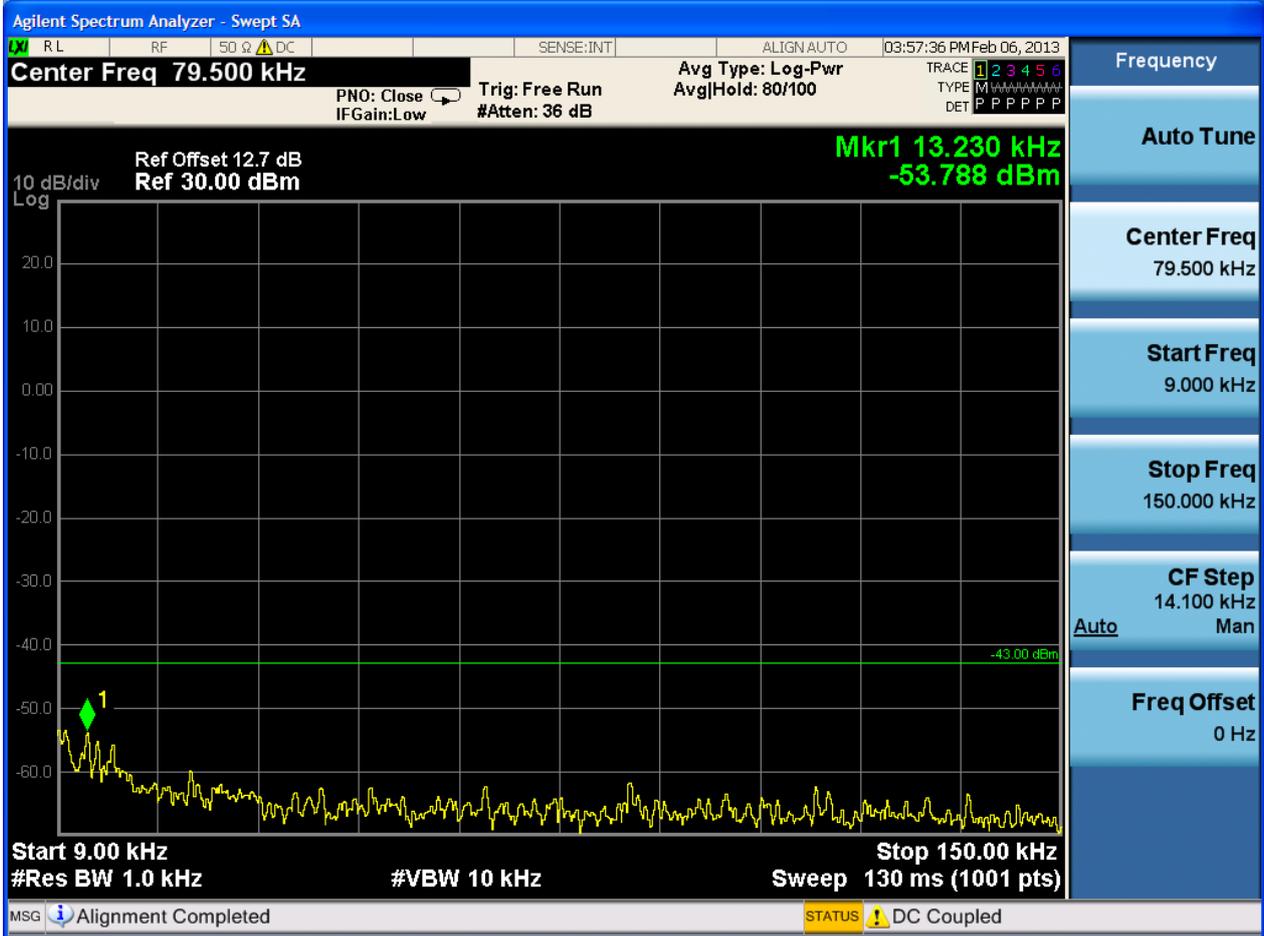


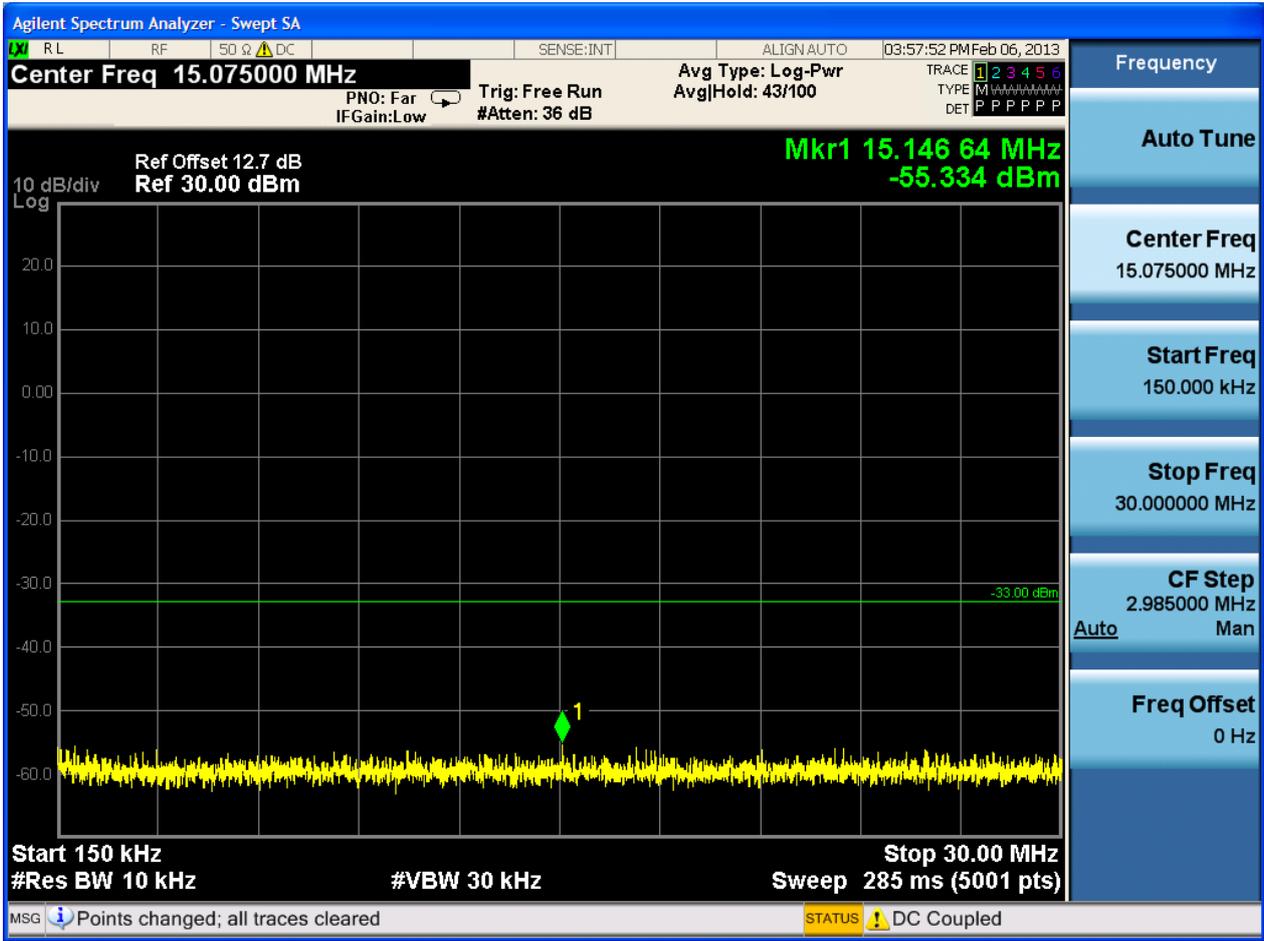


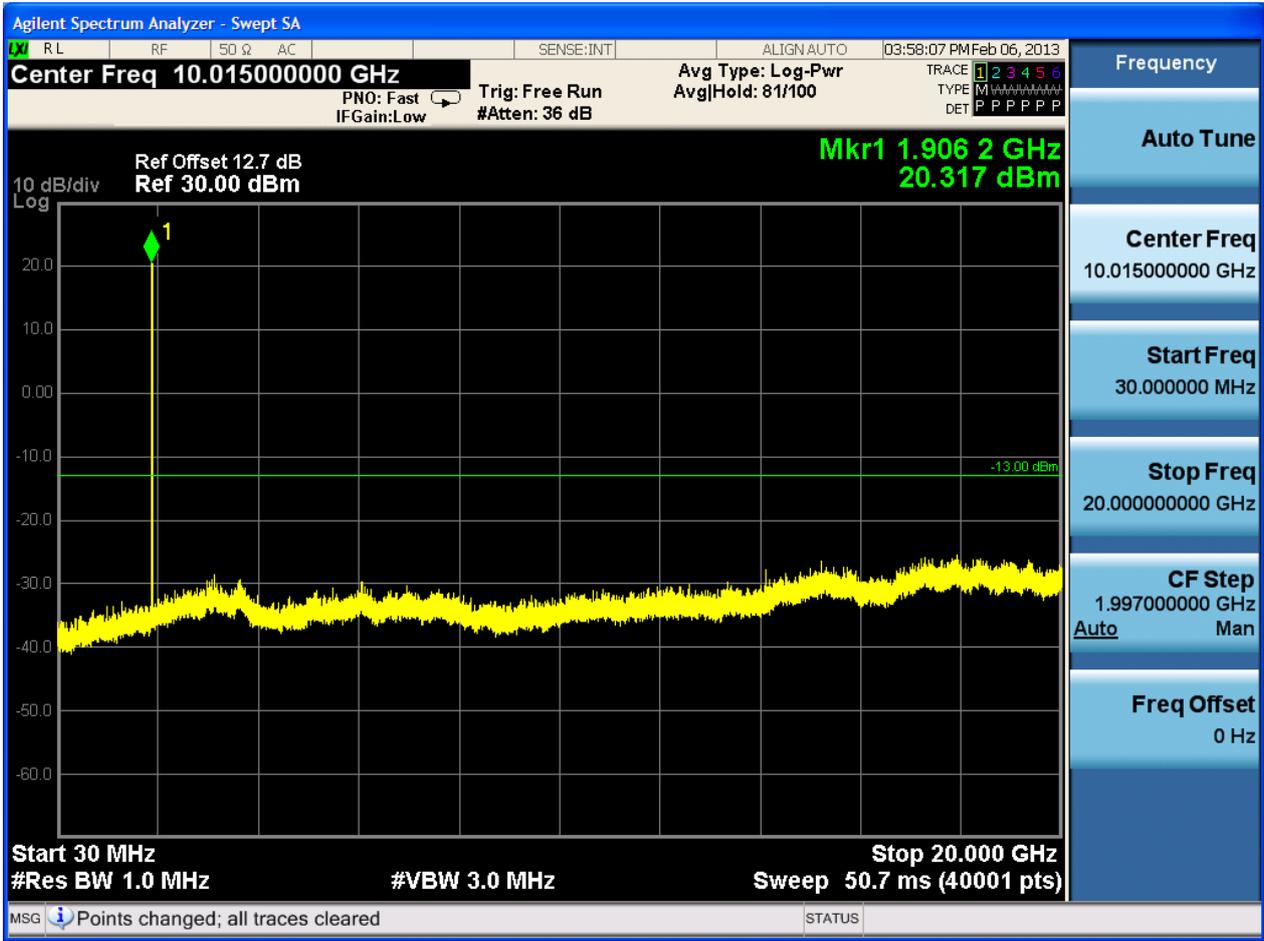




6.2.2.1.3 Test Channel = HCH





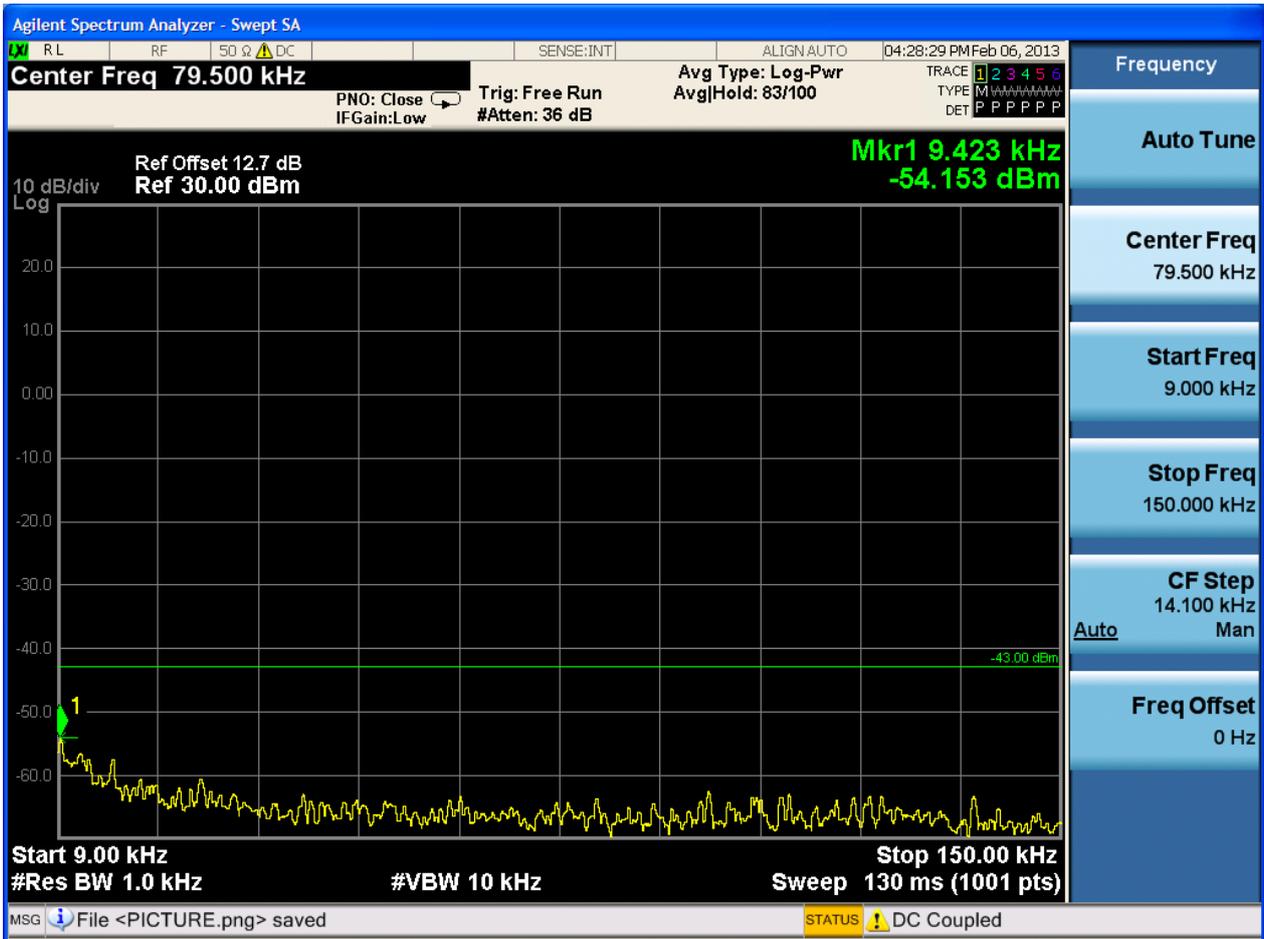


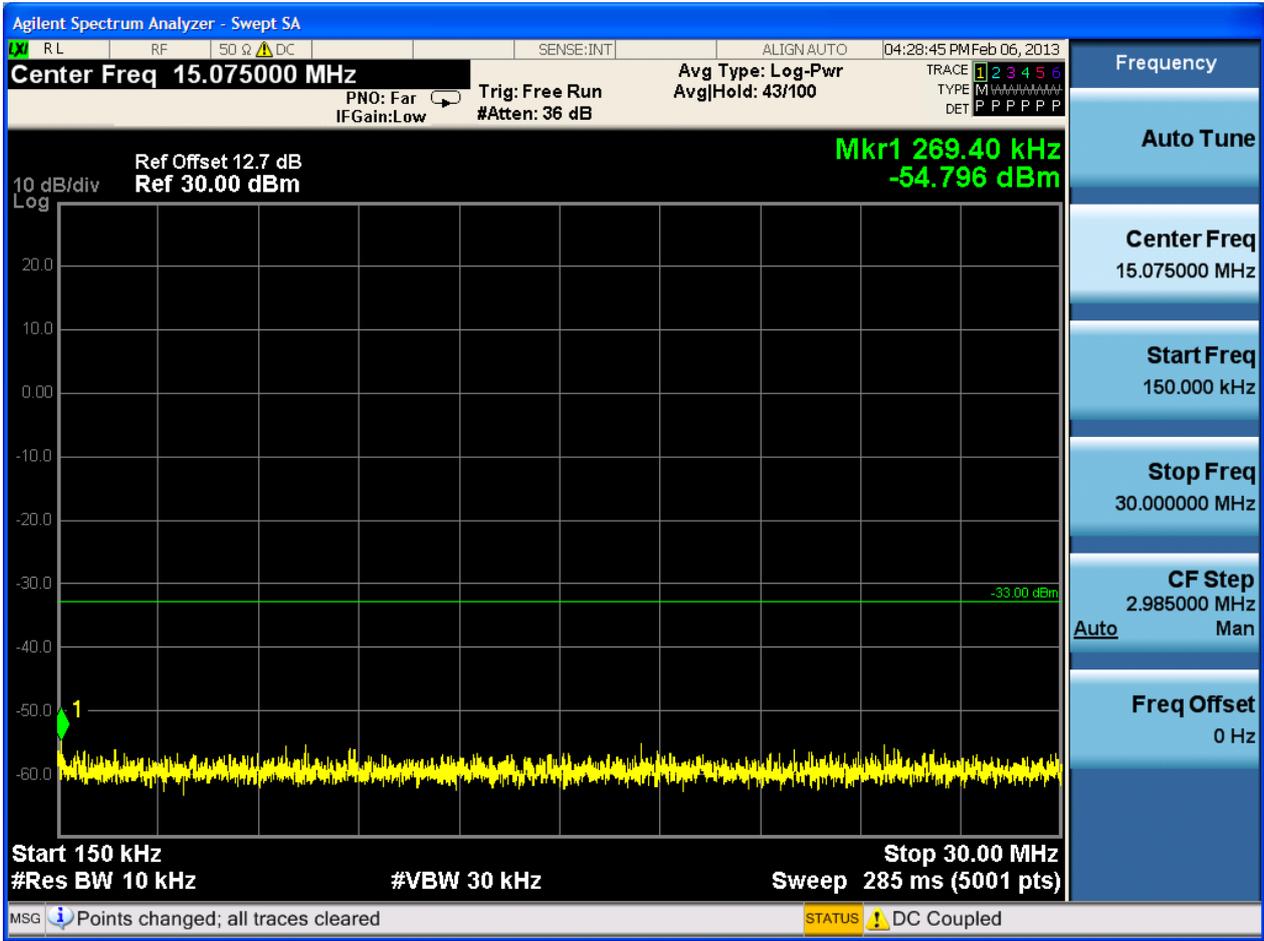


6.2.3 Test Band = WCDMA1700

6.2.3.1 Test Mode = UMTS/TM1

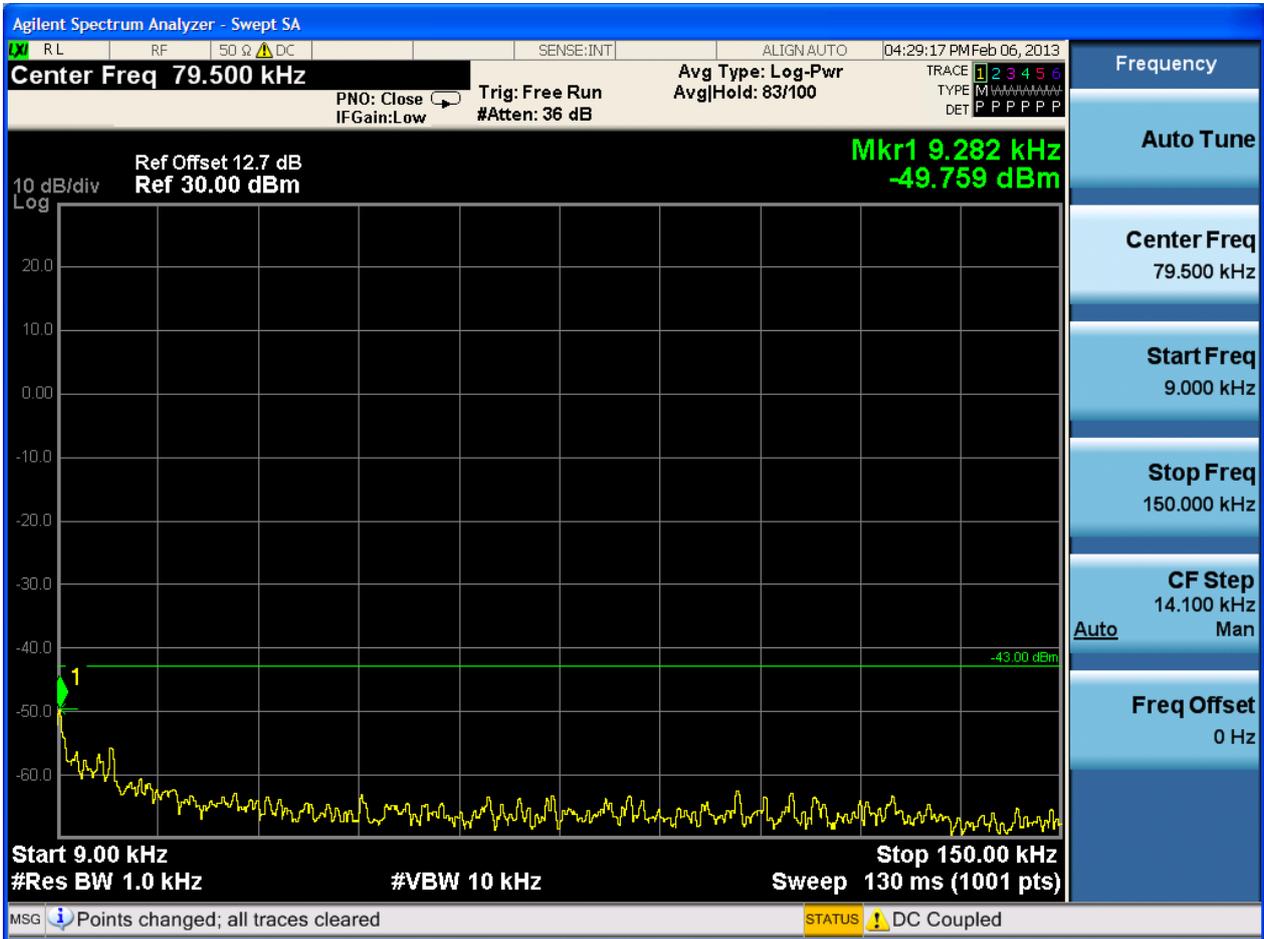
6.2.3.1.1 Test Channel = LCH

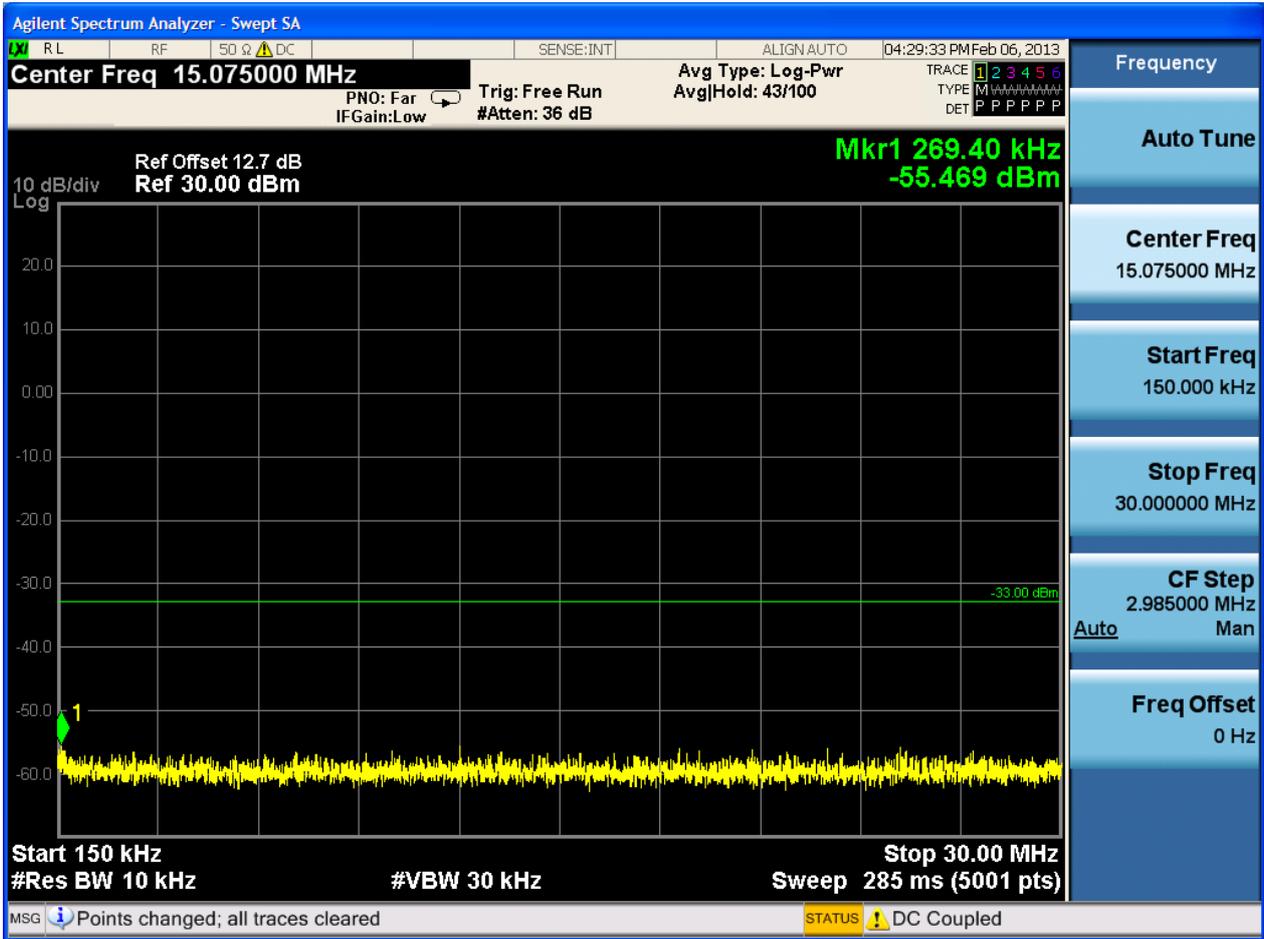






6.2.3.1.2 Test Channel = MCH

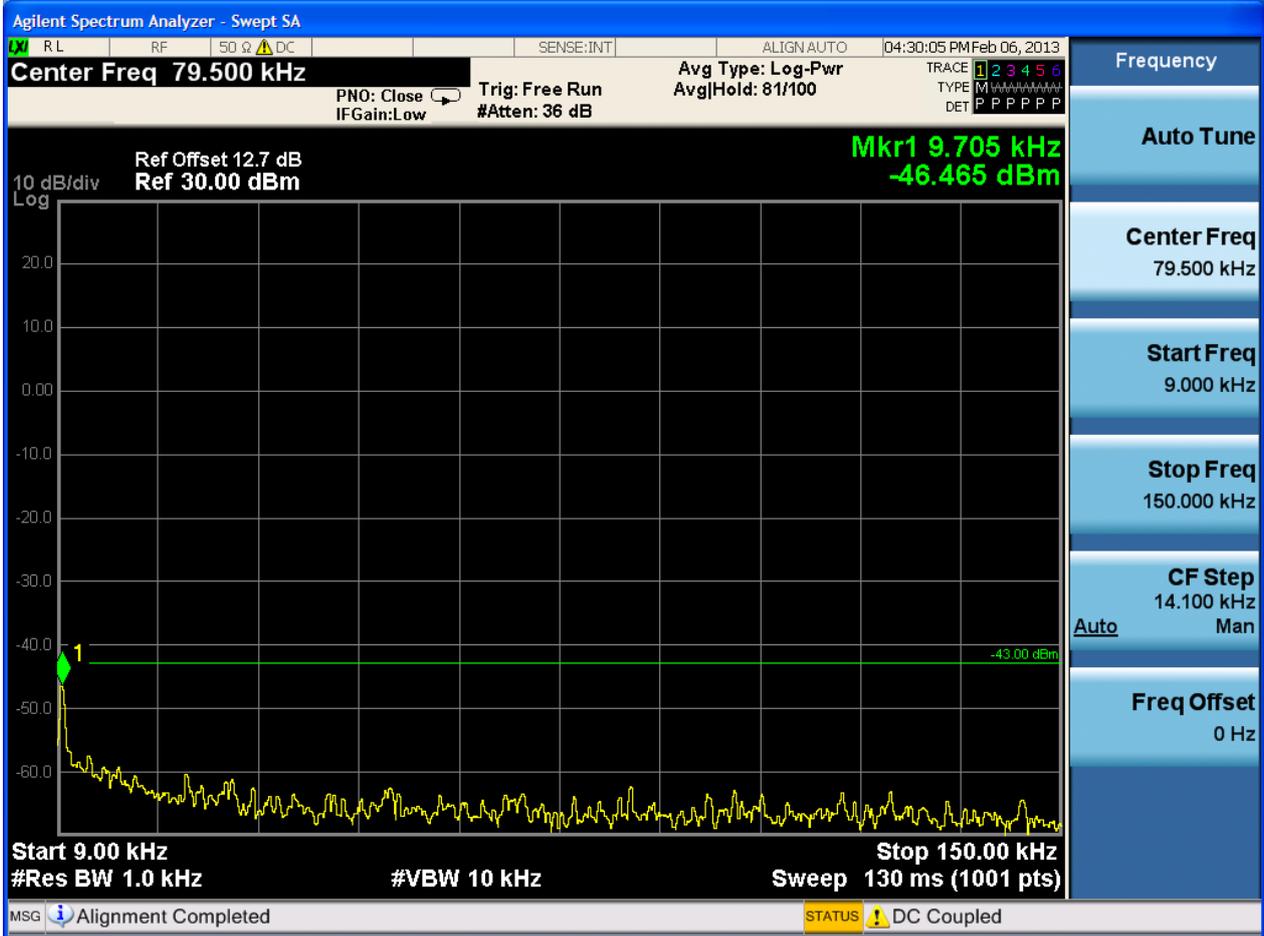


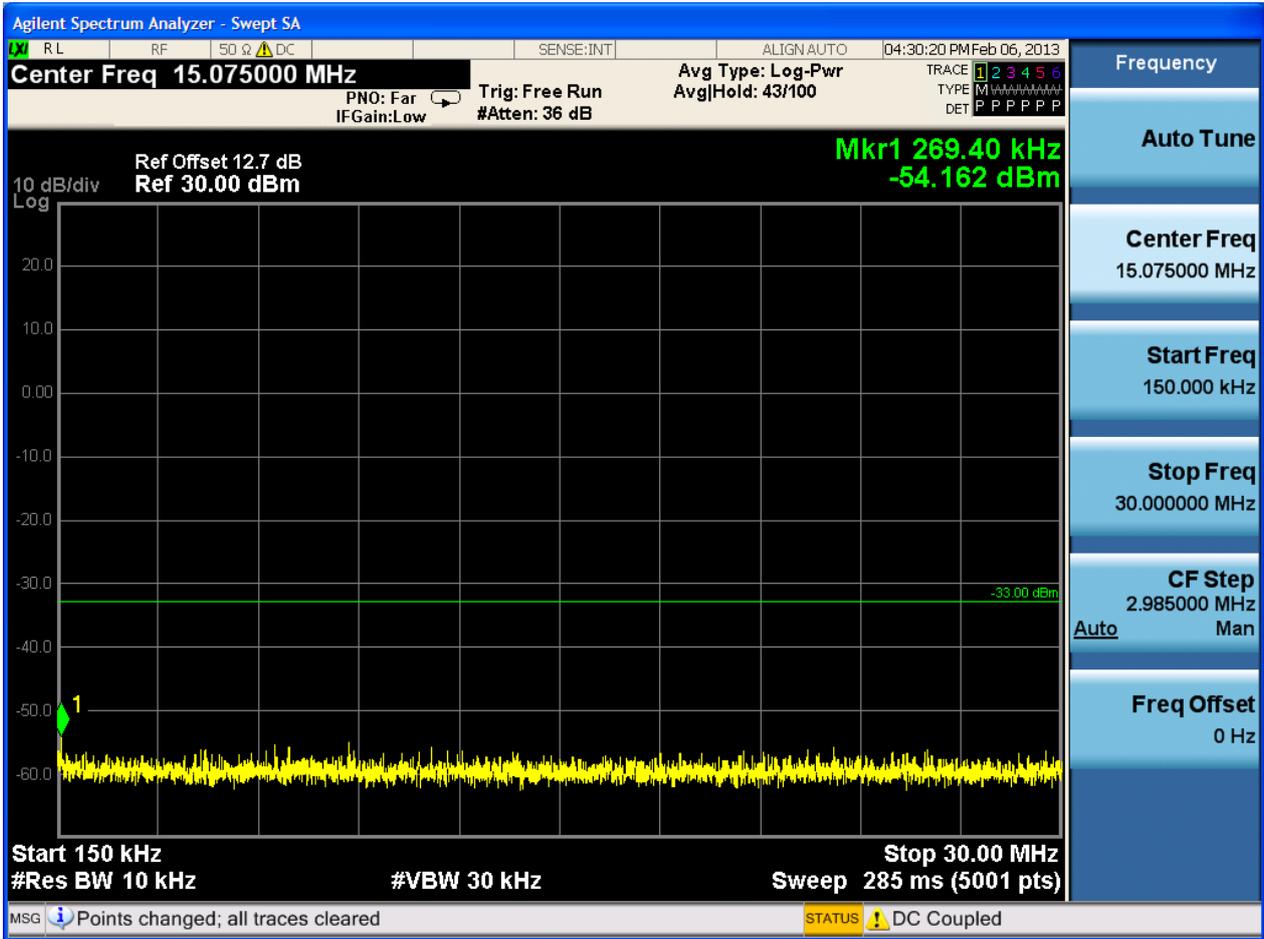


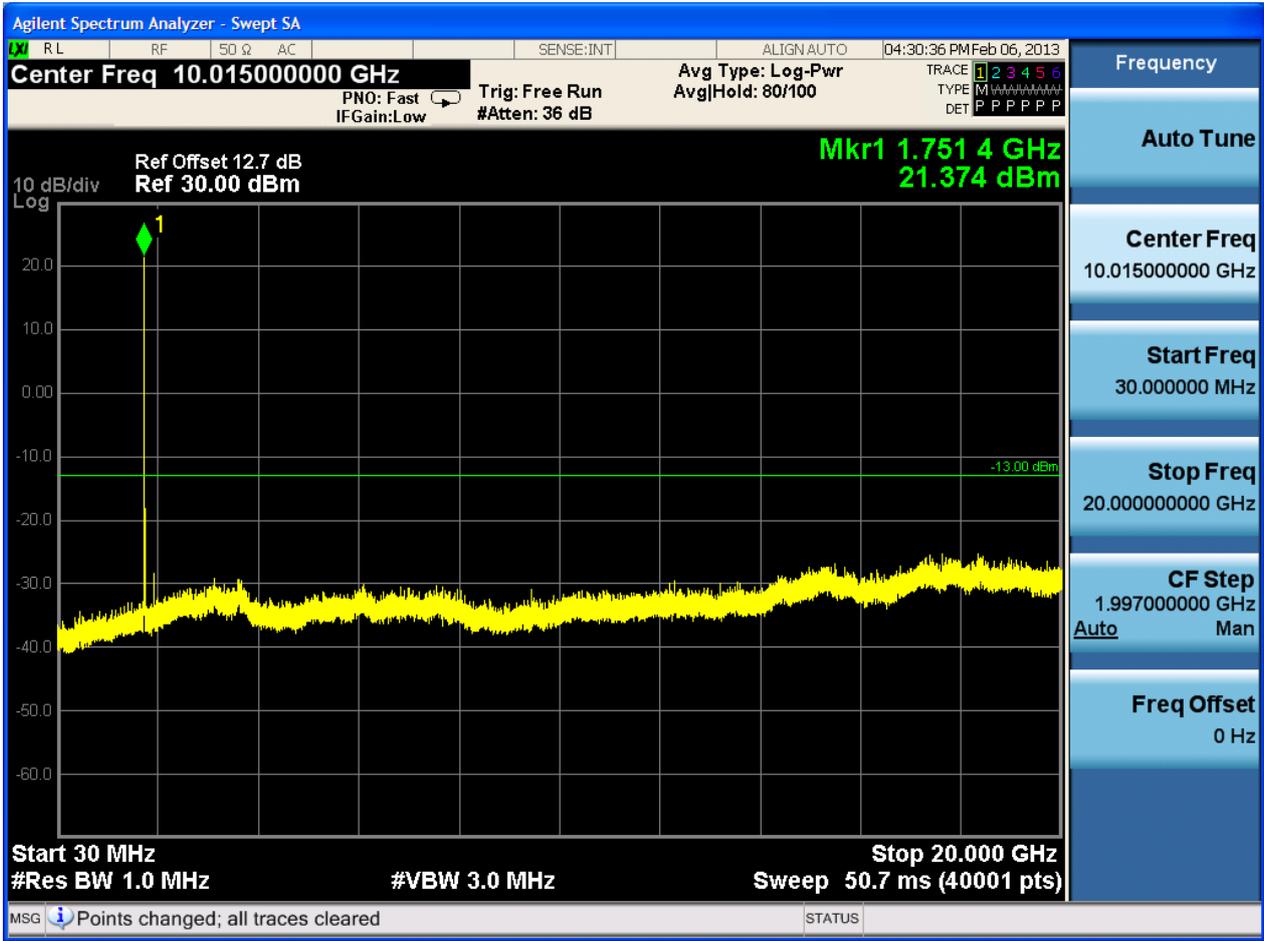




6.2.3.1.3 Test Channel = HCH







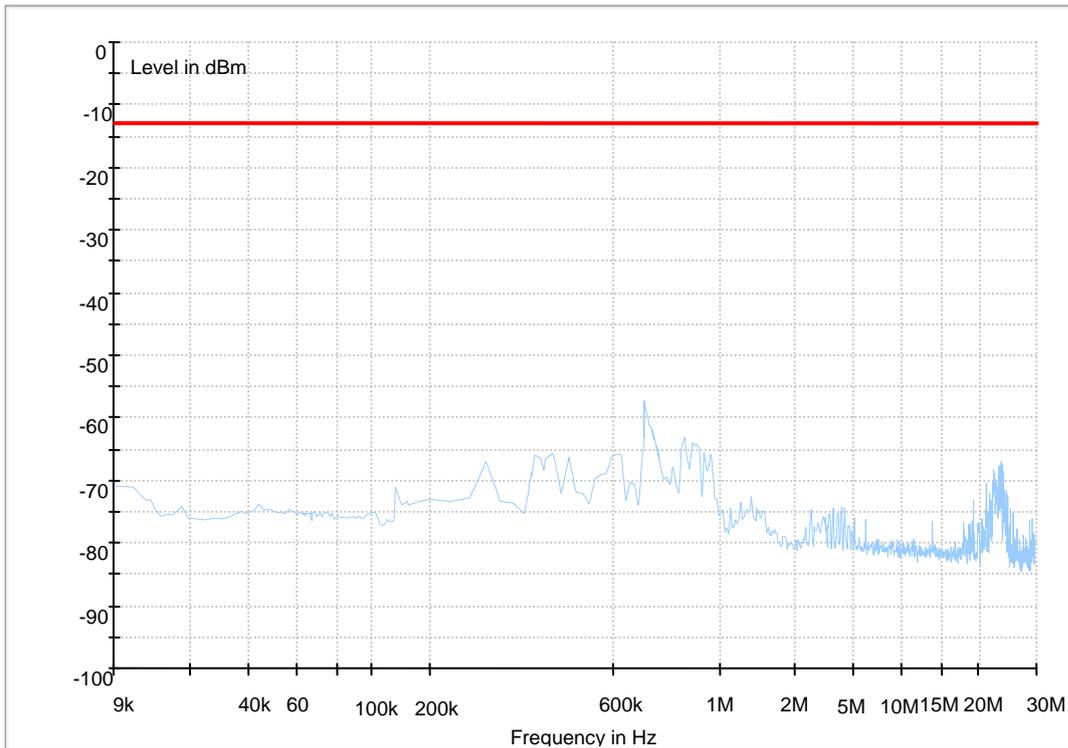
7Appendix_G: Field Strength of Spurious Radiation

7.1For GSM

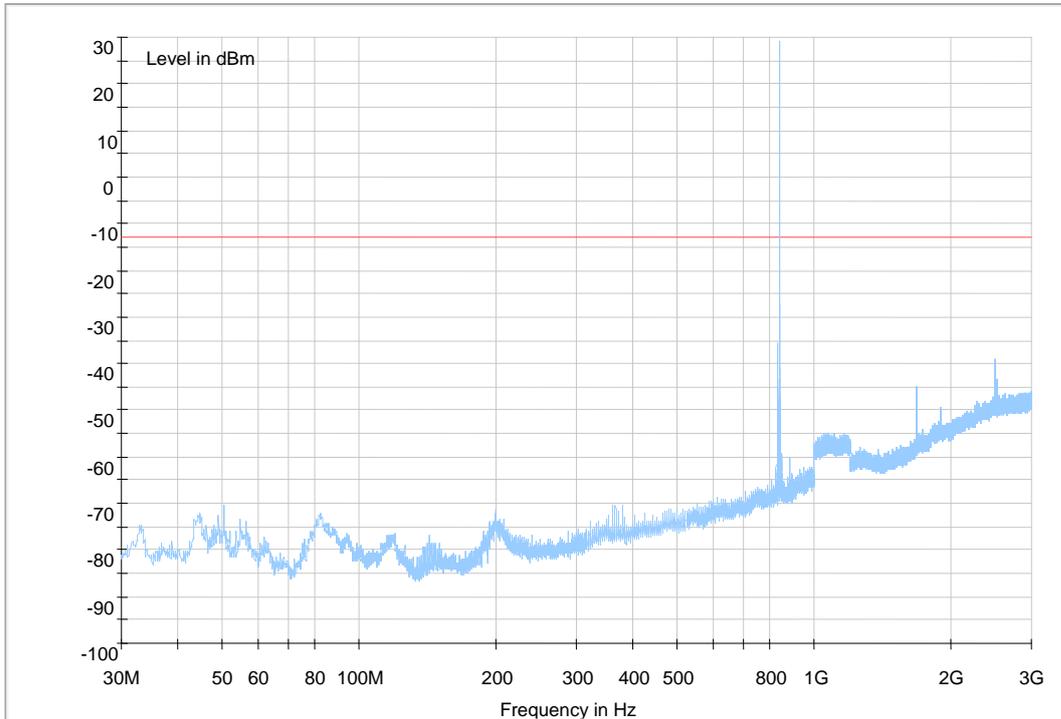
7.1.1Test Band=GSM850

7.1.1.1Test mode=GSM/TM1

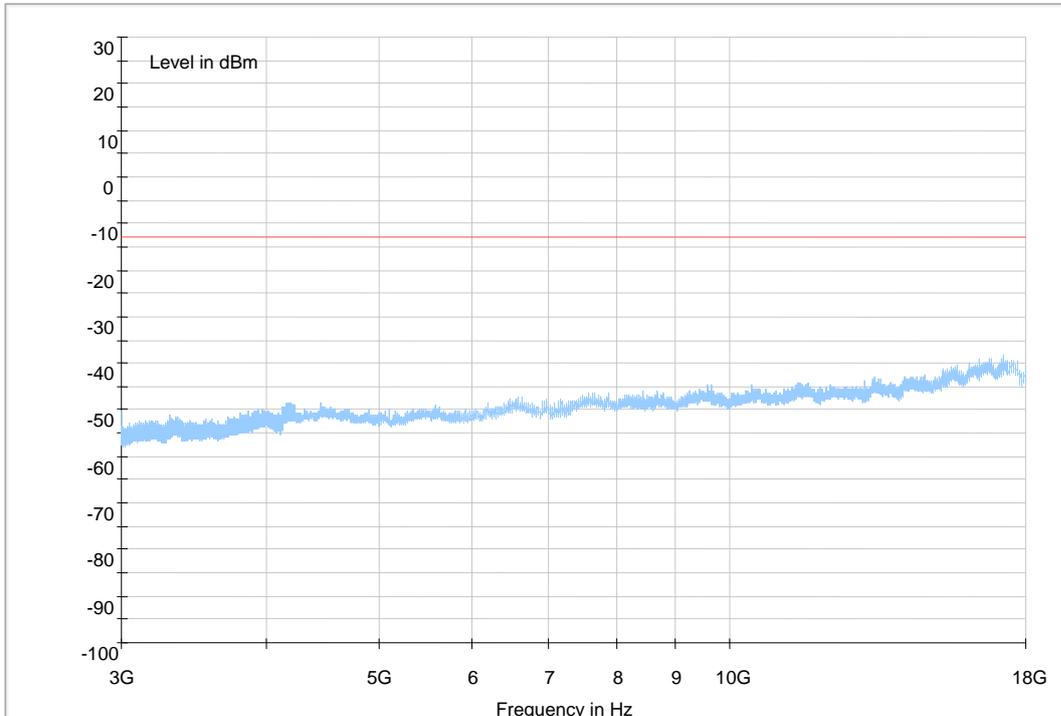
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

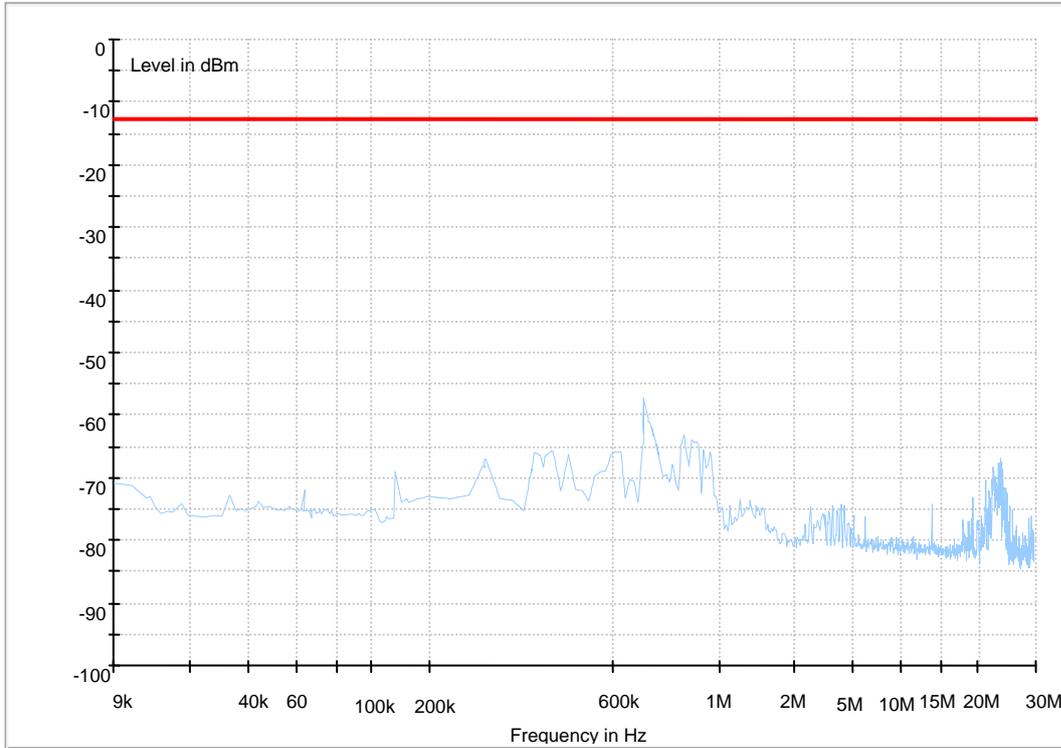


Traffic Mode (3GHz-18GHz)

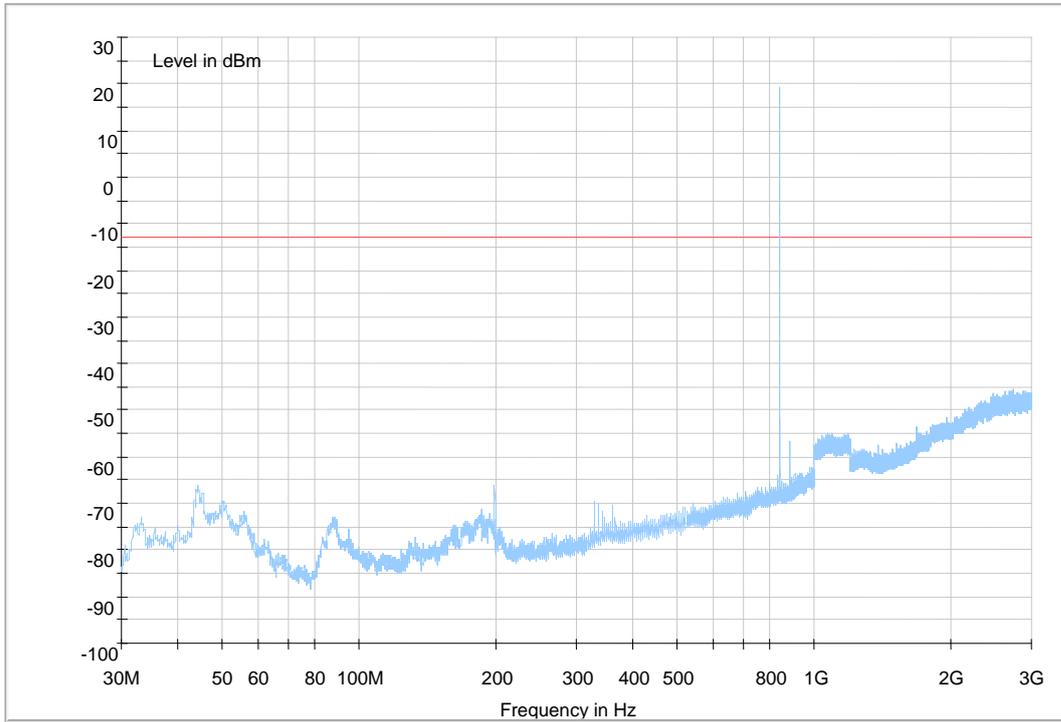


7.1.1.2 Test mode=GSM/TM2

Traffic Mode (9kHz~30MHz)

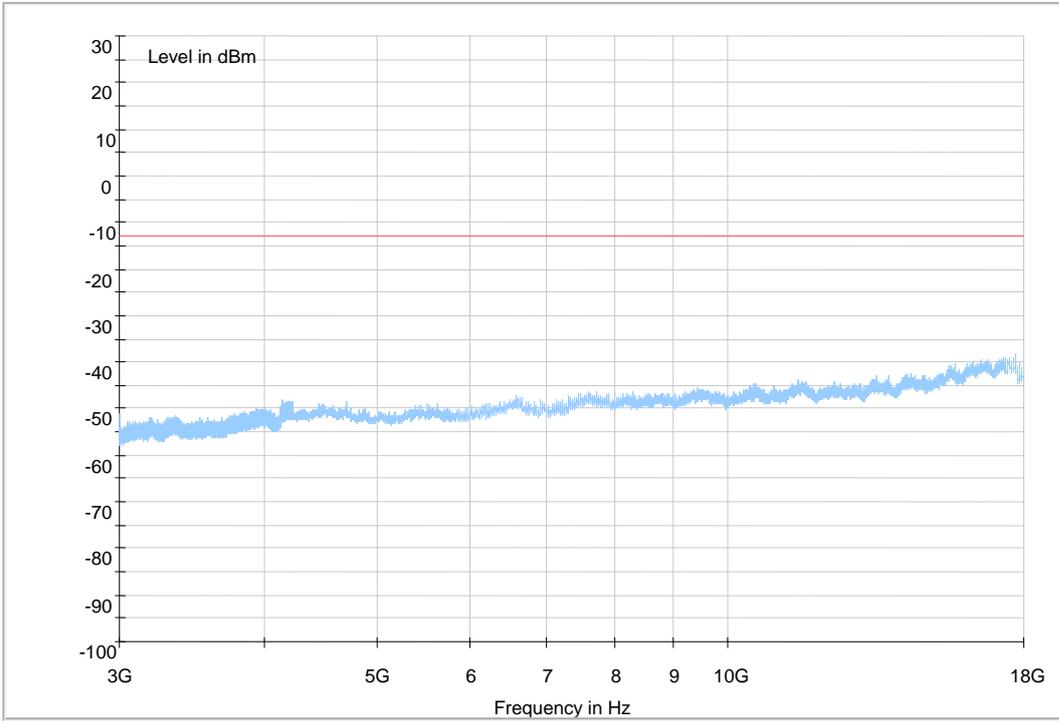


Traffic Mode (30MHz~3GHz)





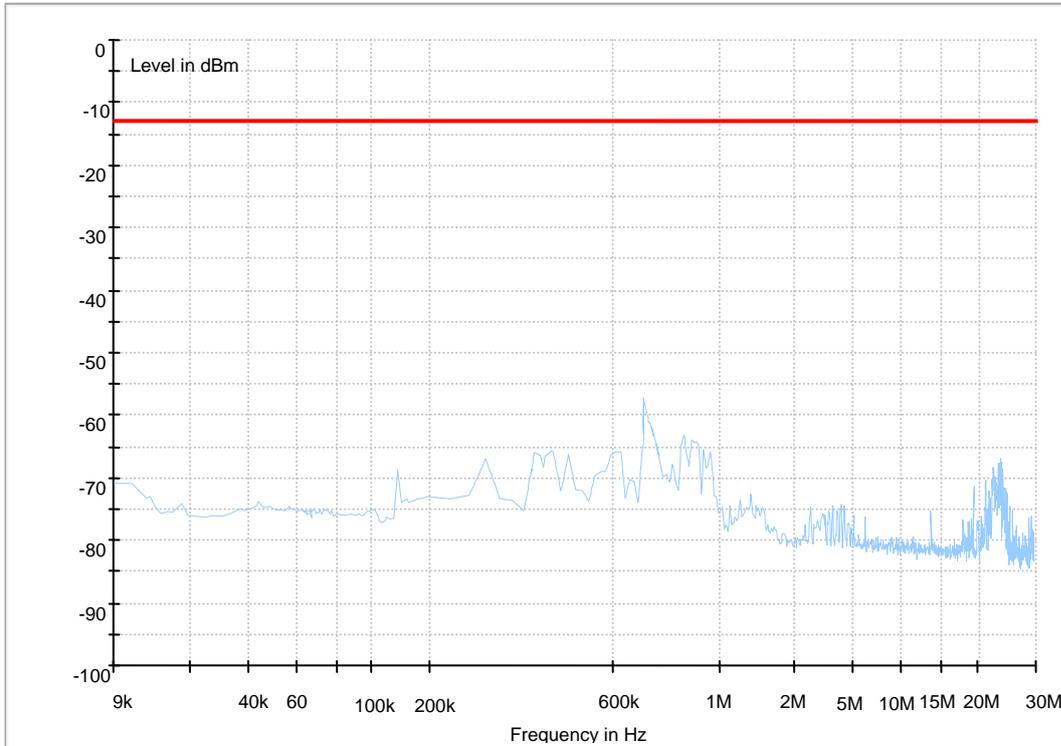
Traffic Mode (3GHz~18GHz)



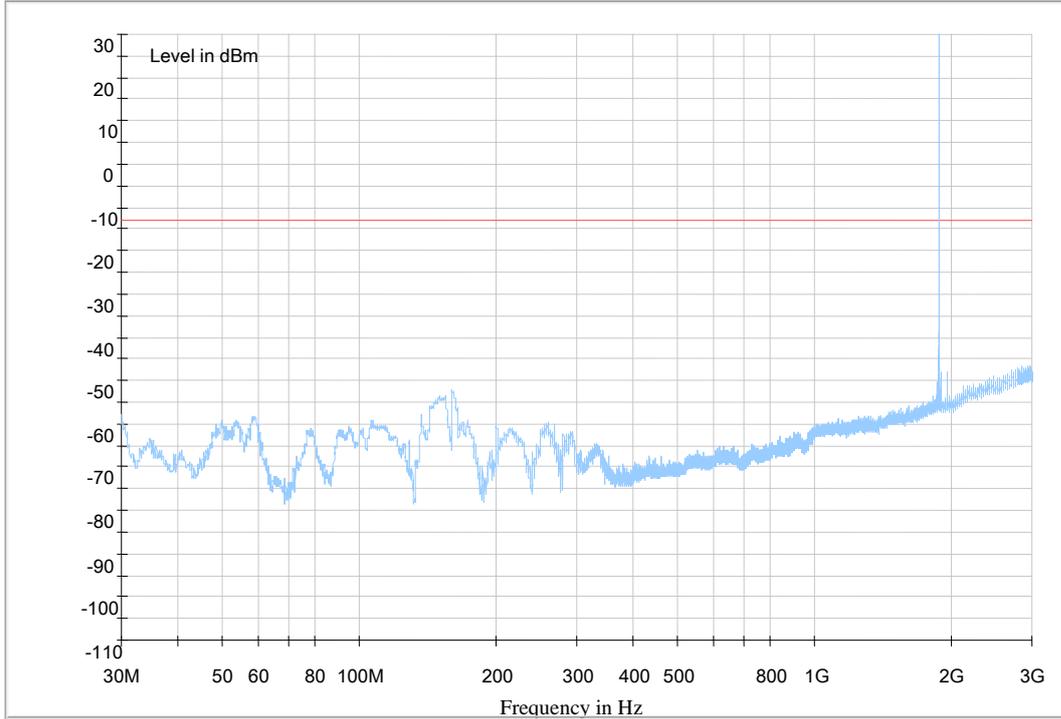
7.1.2 Test Band=GSM1900

7.1.2.1 Test mode=GSM/TM1

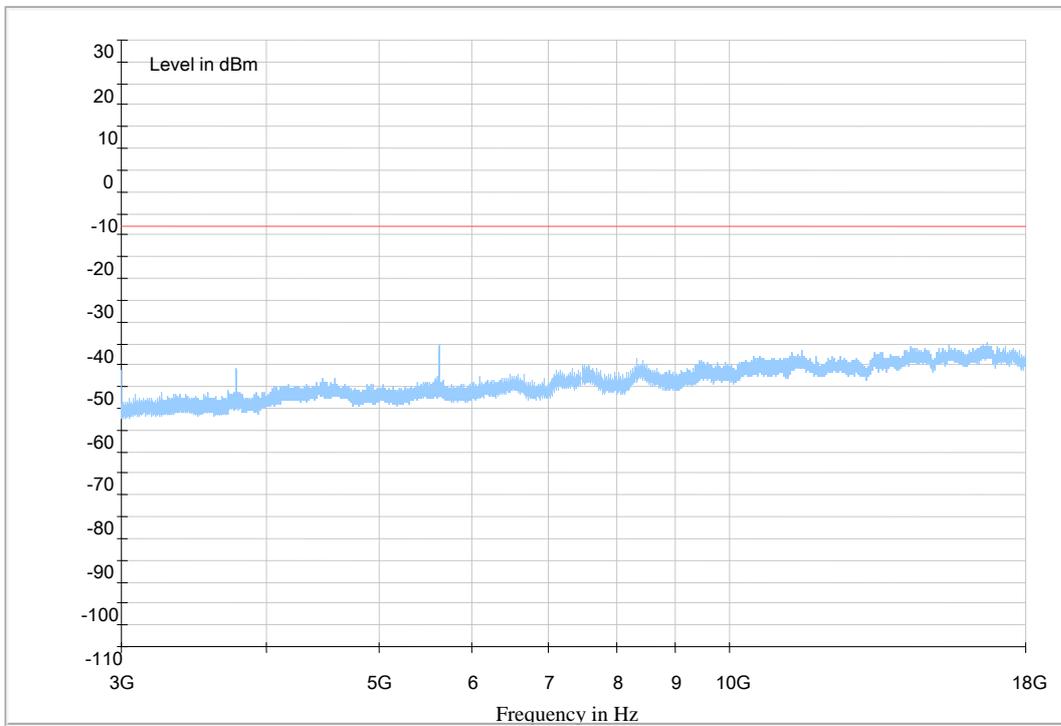
Traffic Mode (9kHz-30MHz)



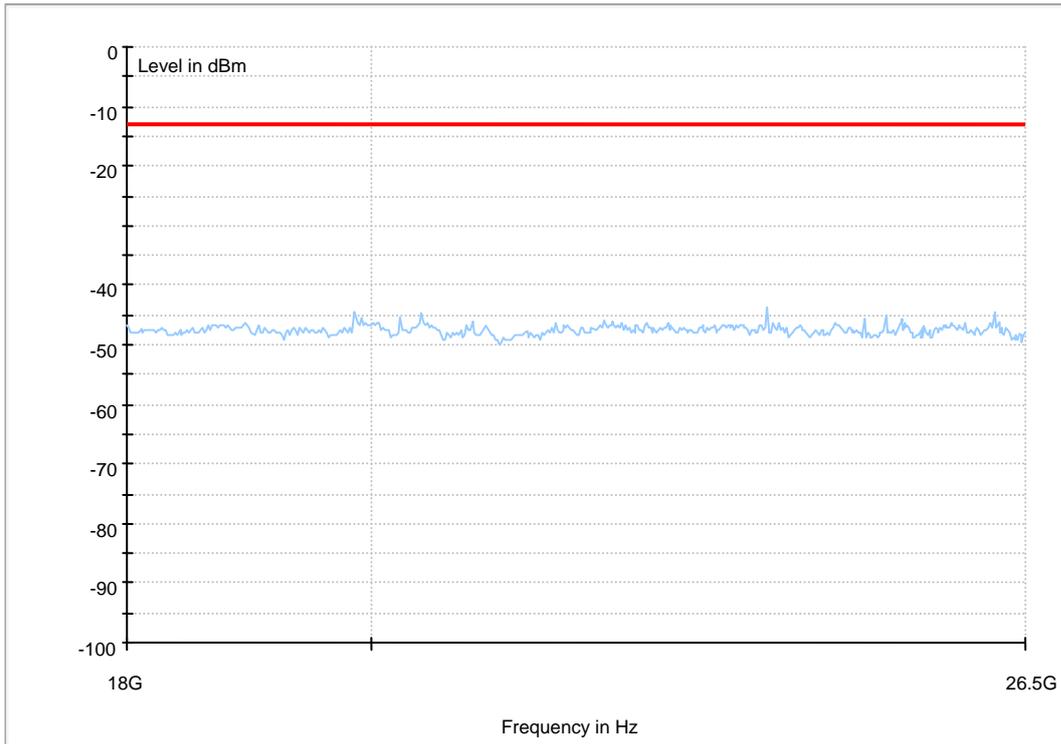
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

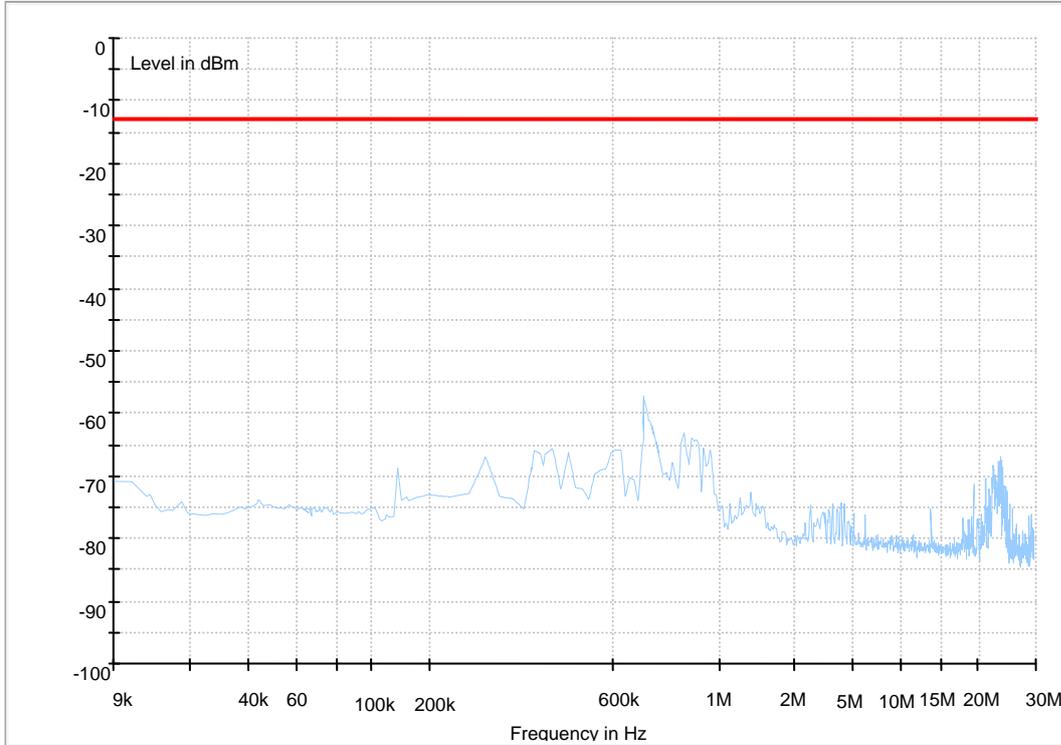


Traffic Mode (18GHz-26.5GHz)

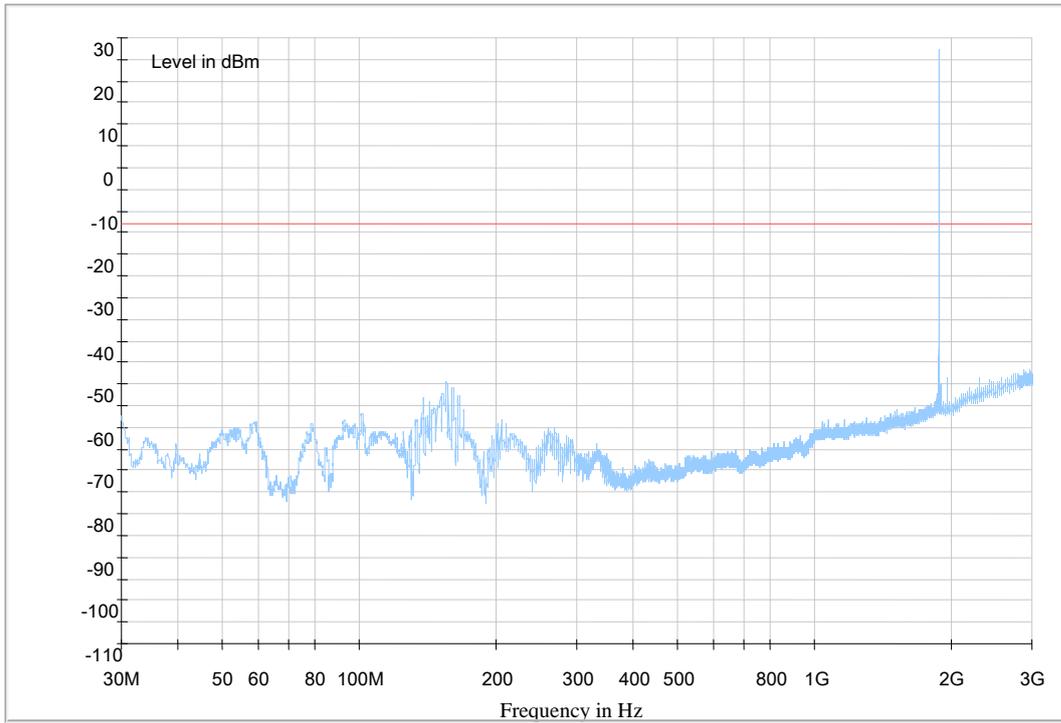


7.1.2.2 Test mode=GSM/TM2

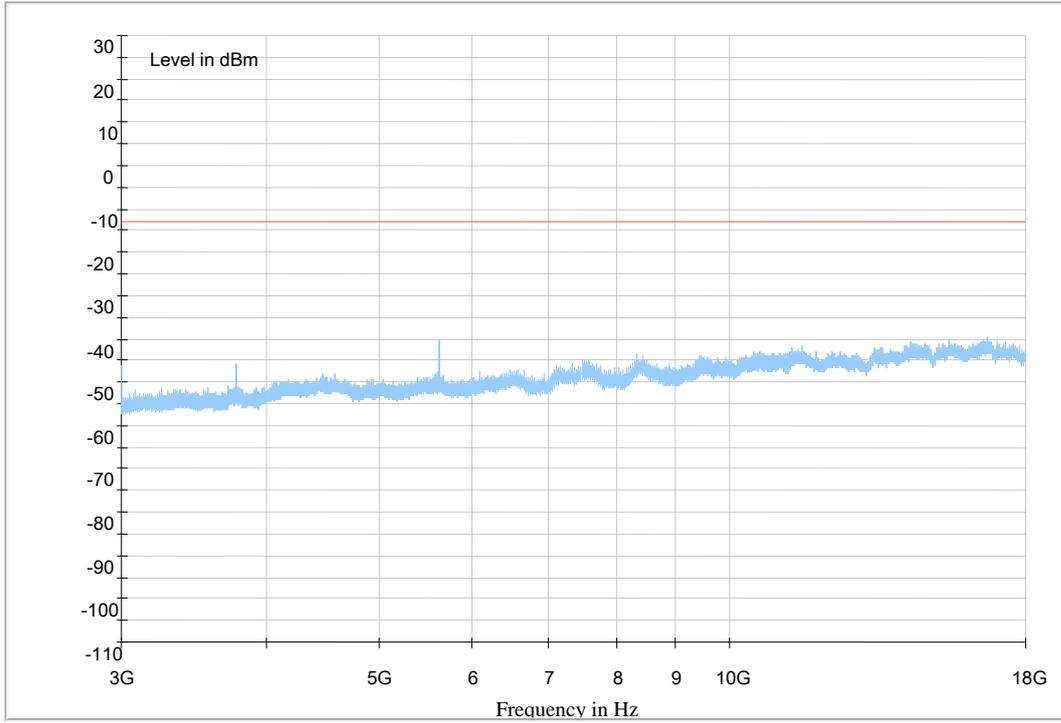
Traffic Mode (9kHz-30MHz)



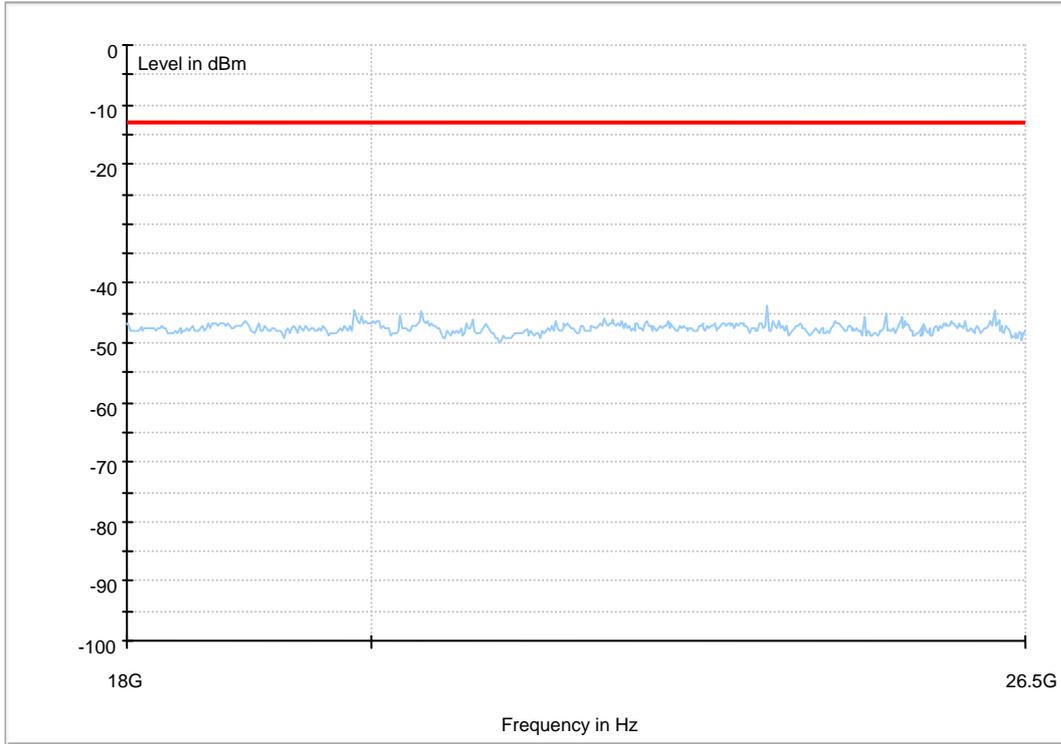
Traffic Mode (30MHz~3GHz)



Traffic Mode (3GHz~18GHz)

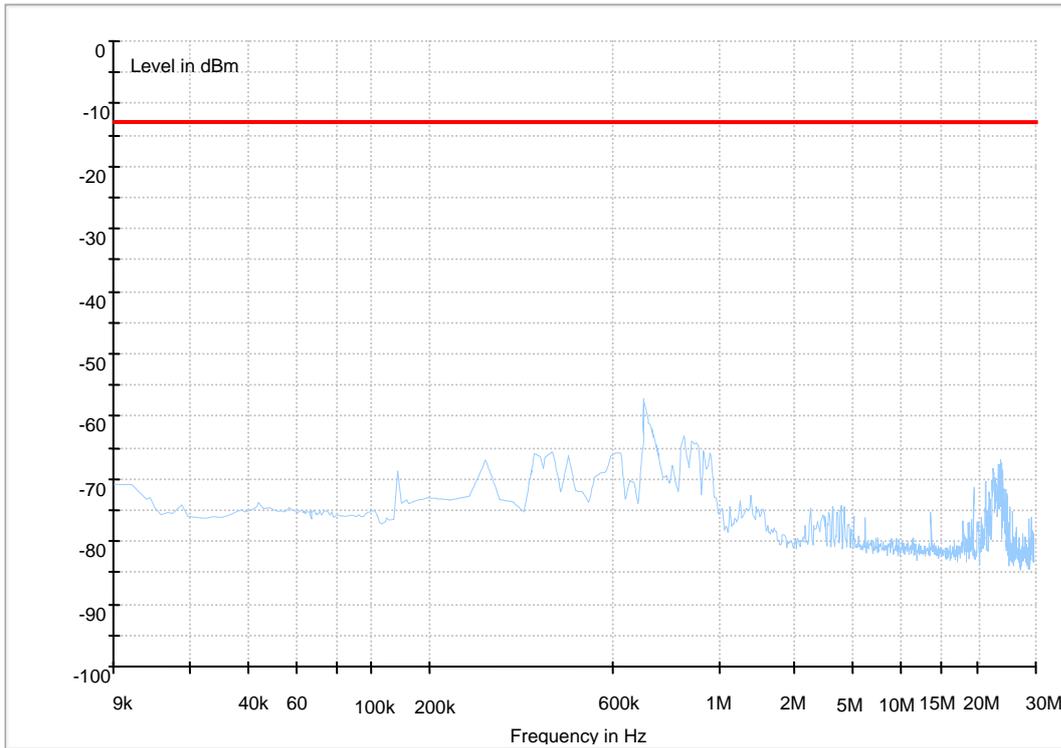


Traffic Mode (18GHz-26.5GHz)

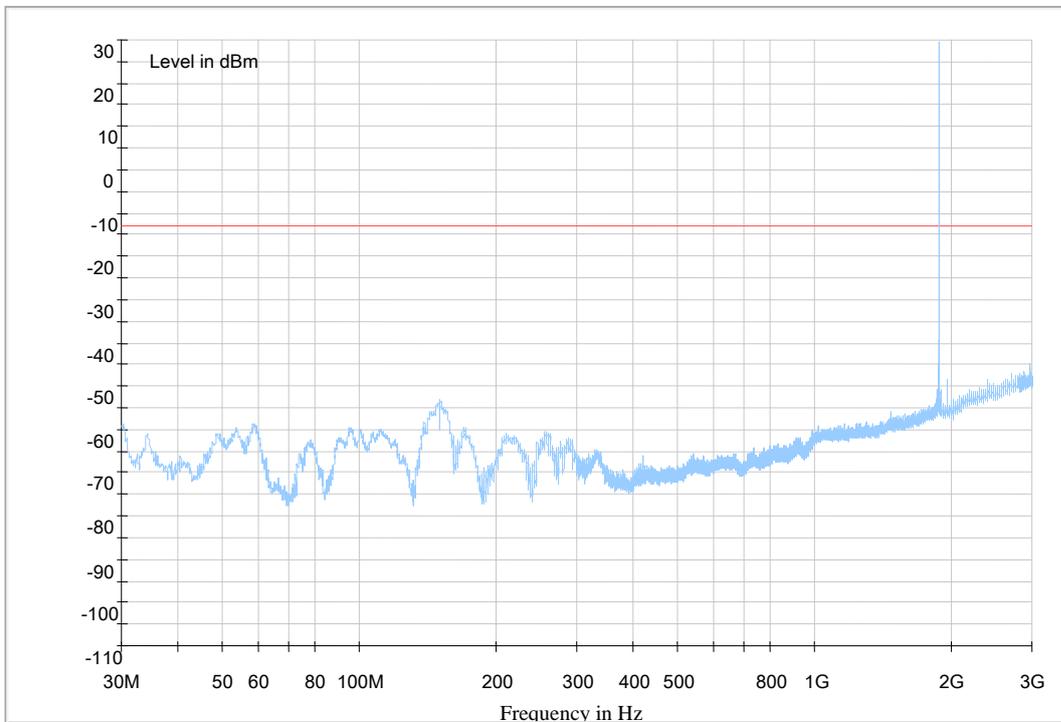


7.1.2.3 Test mode=GSM/TM3

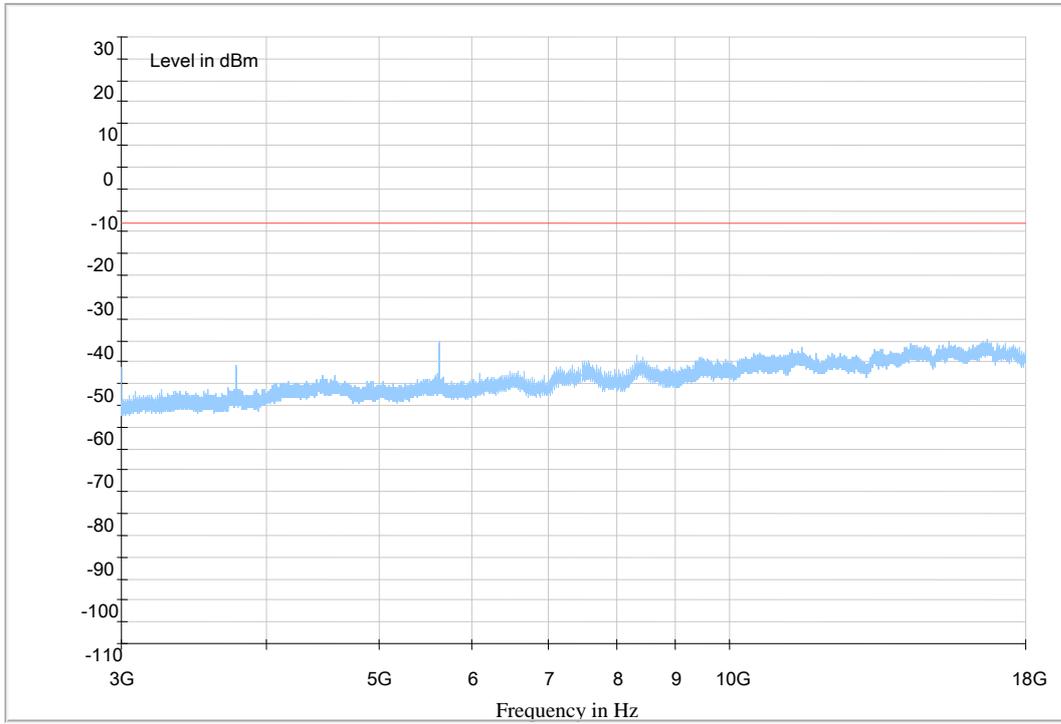
Traffic Mode (9kHz-30MHz)



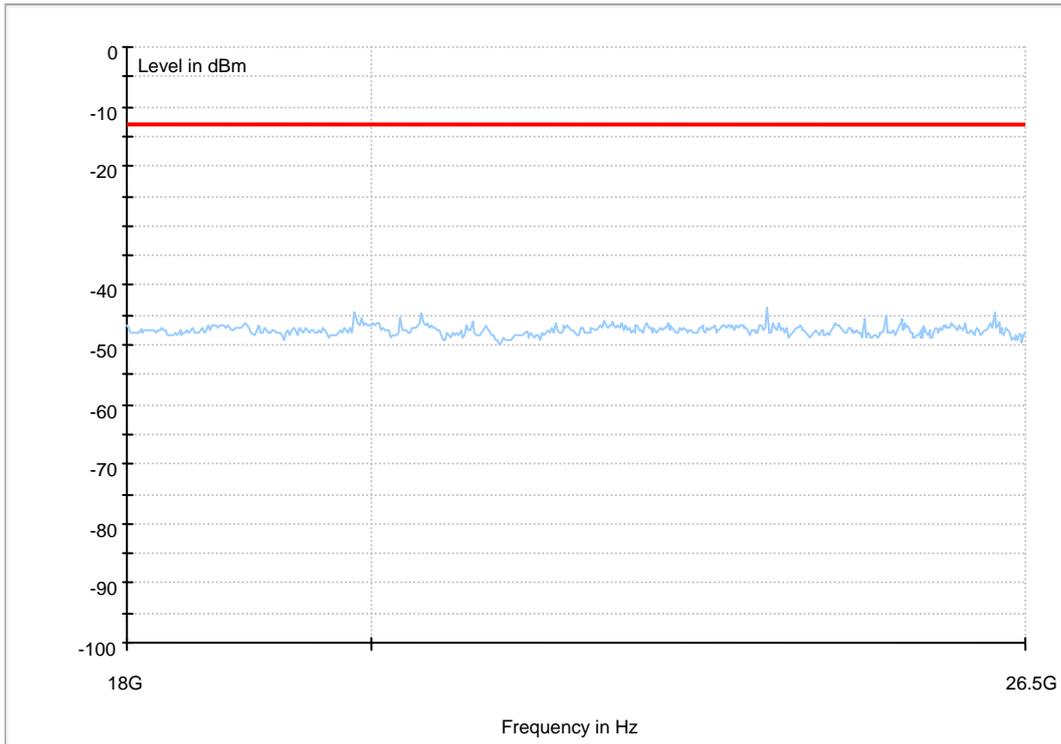
Traffic Mode (30MHz~3GHz)



Traffic Mode (3GHz~18GHz)



Traffic Mode (18GHz-26.5GHz)

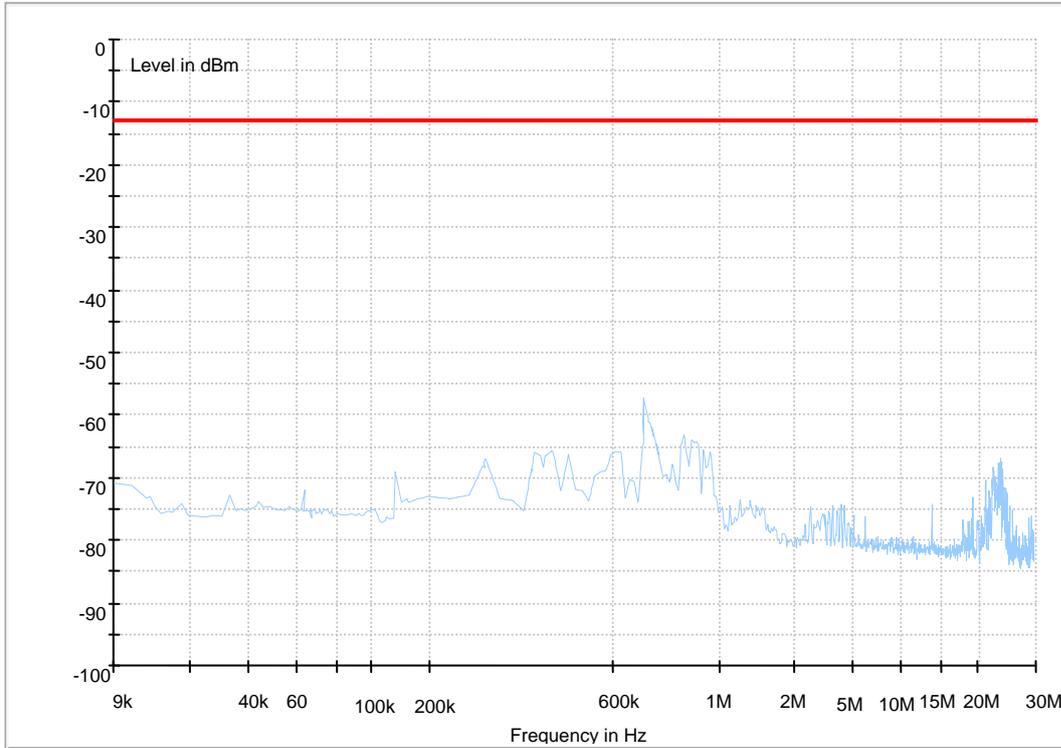


7.2 For UMTS

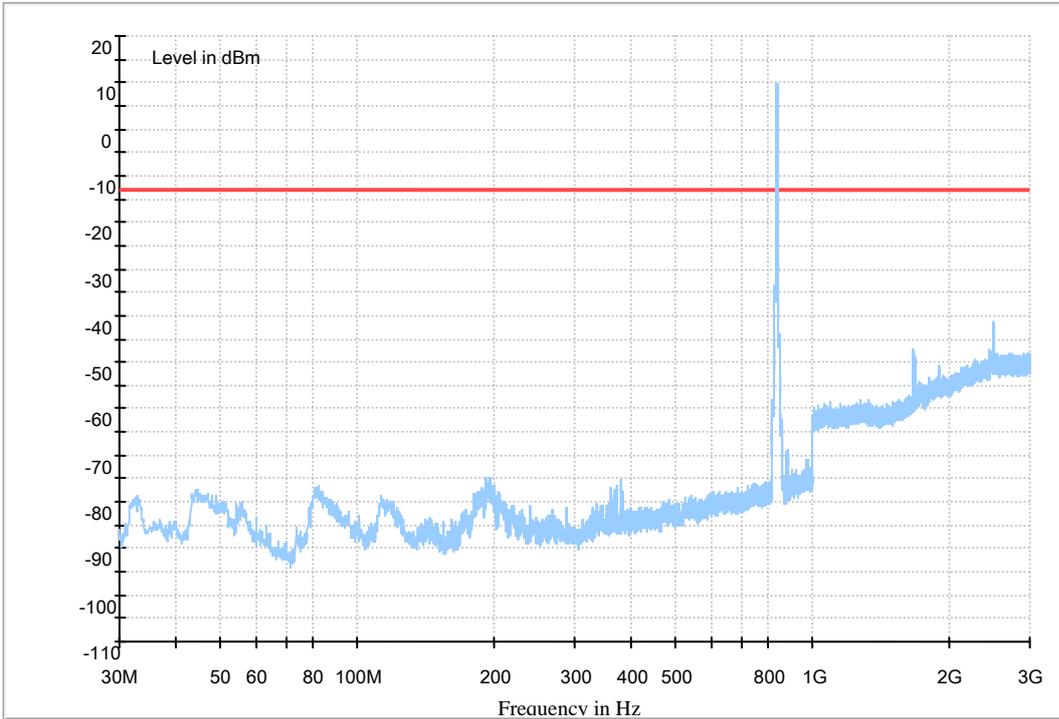
7.2.1 Test Band=WCDMA850

7.2.1.1 Test mode=UMTS/TM1

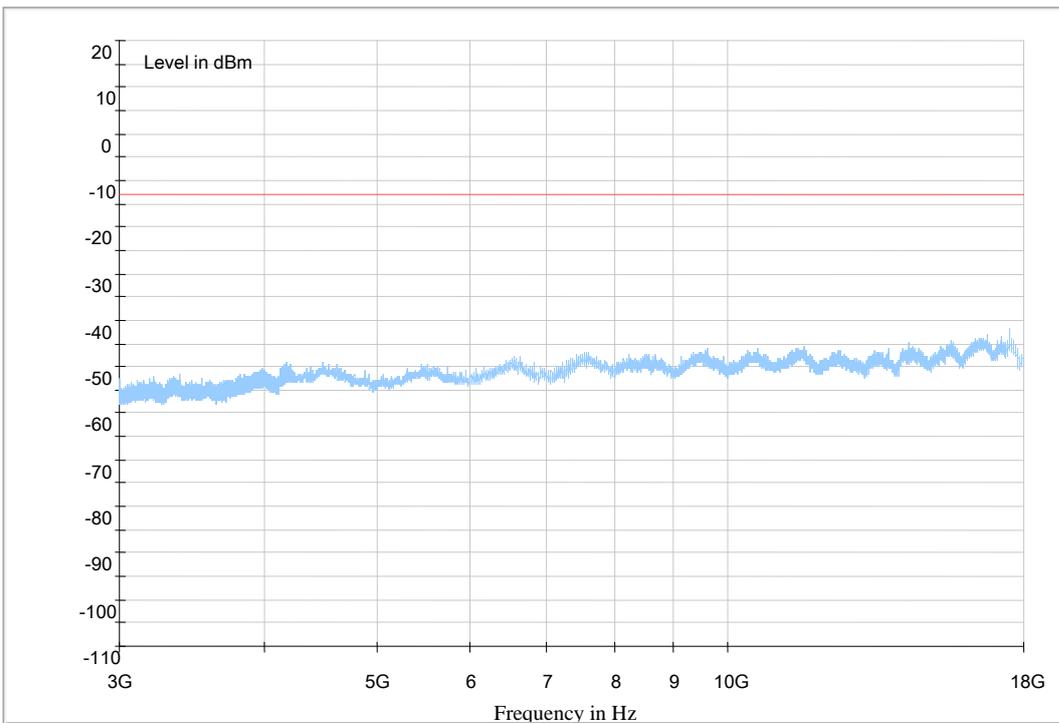
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

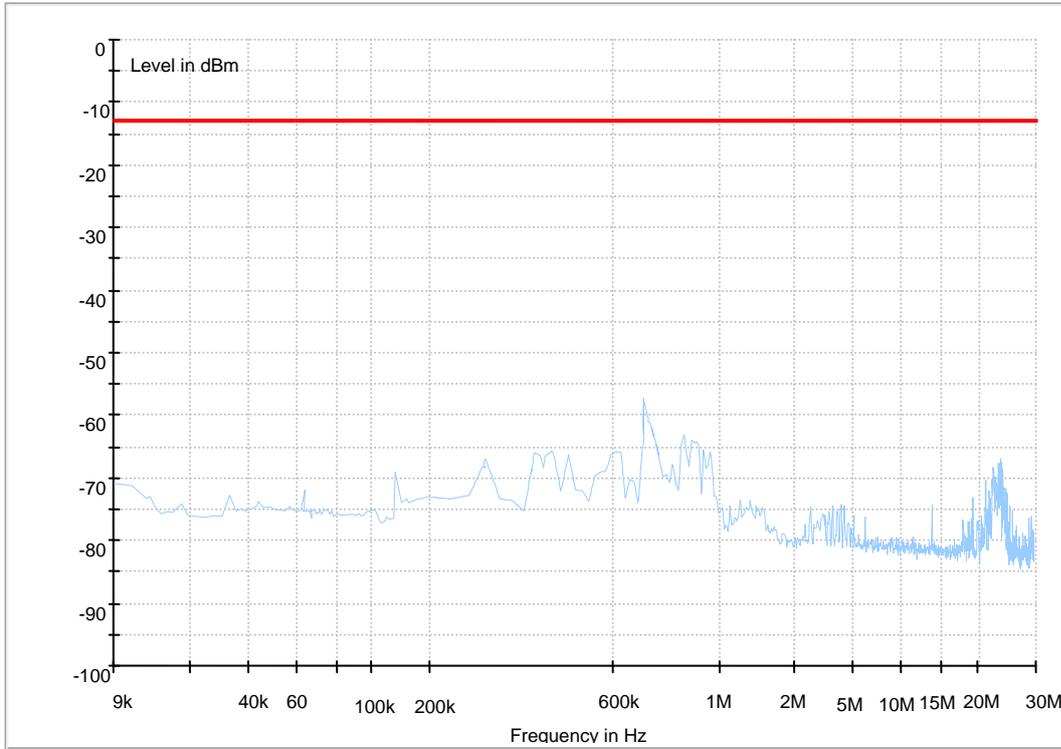


Traffic Mode (3GHz-18GHz)

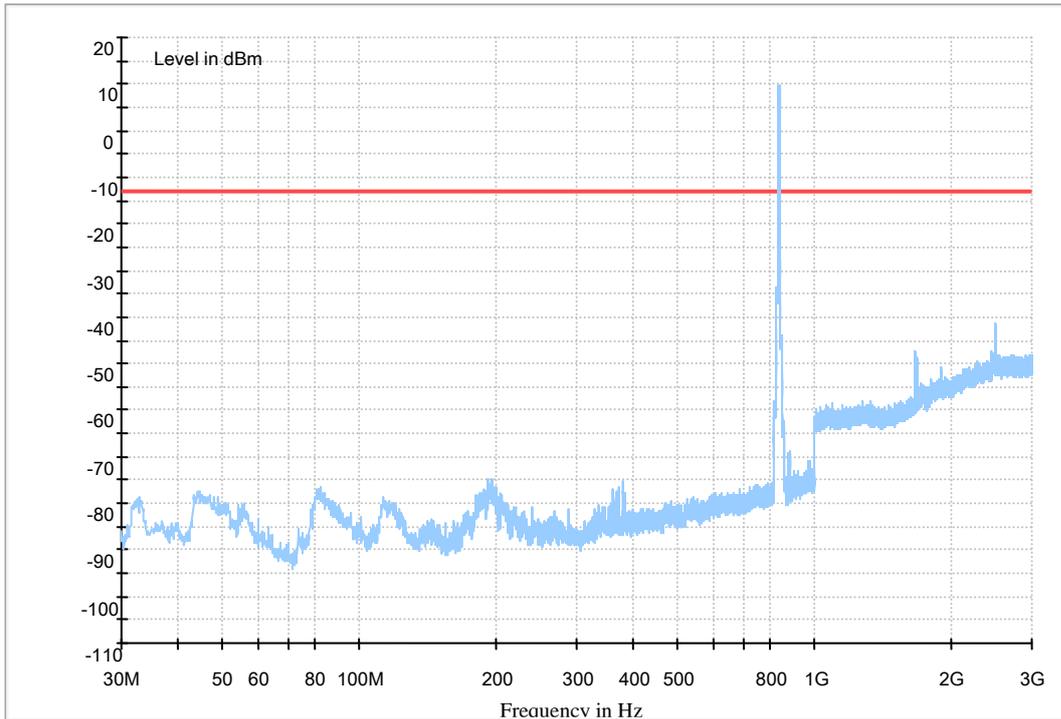


7.2.1.2 Test mode=UMTS/TM2

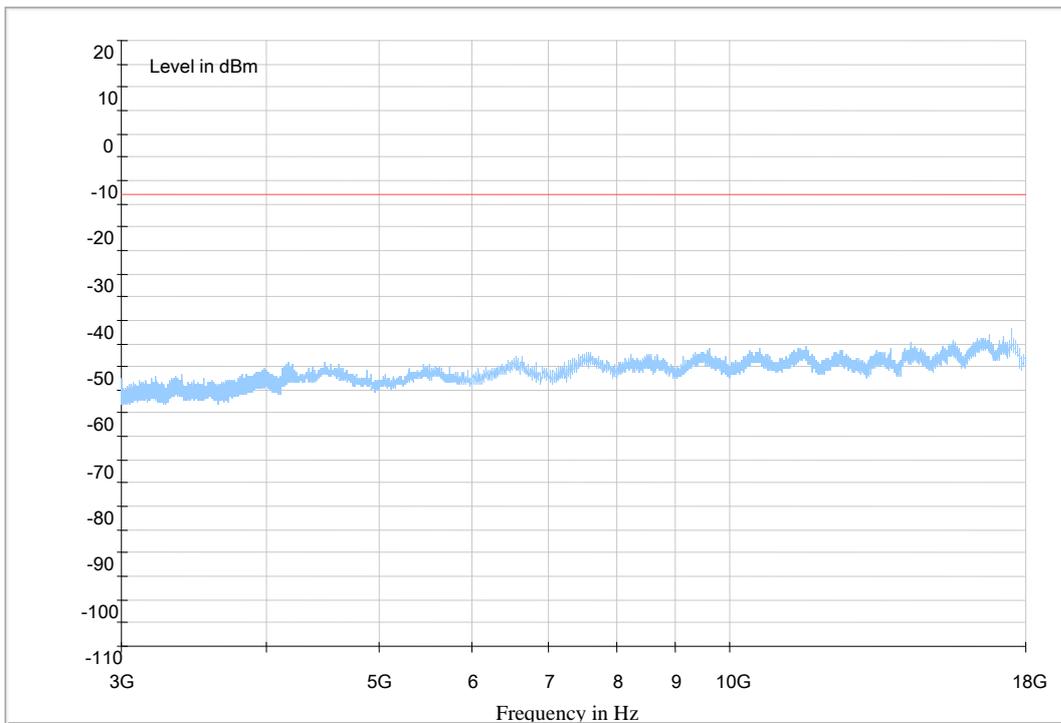
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

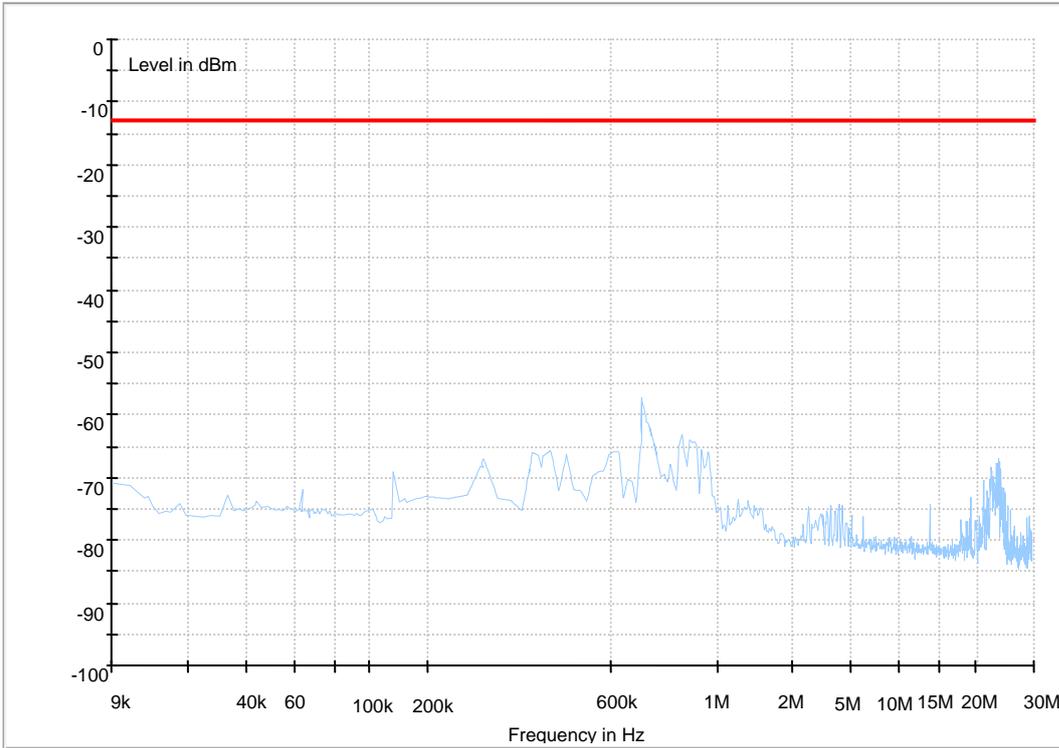


Traffic Mode (3GHz-18GHz)

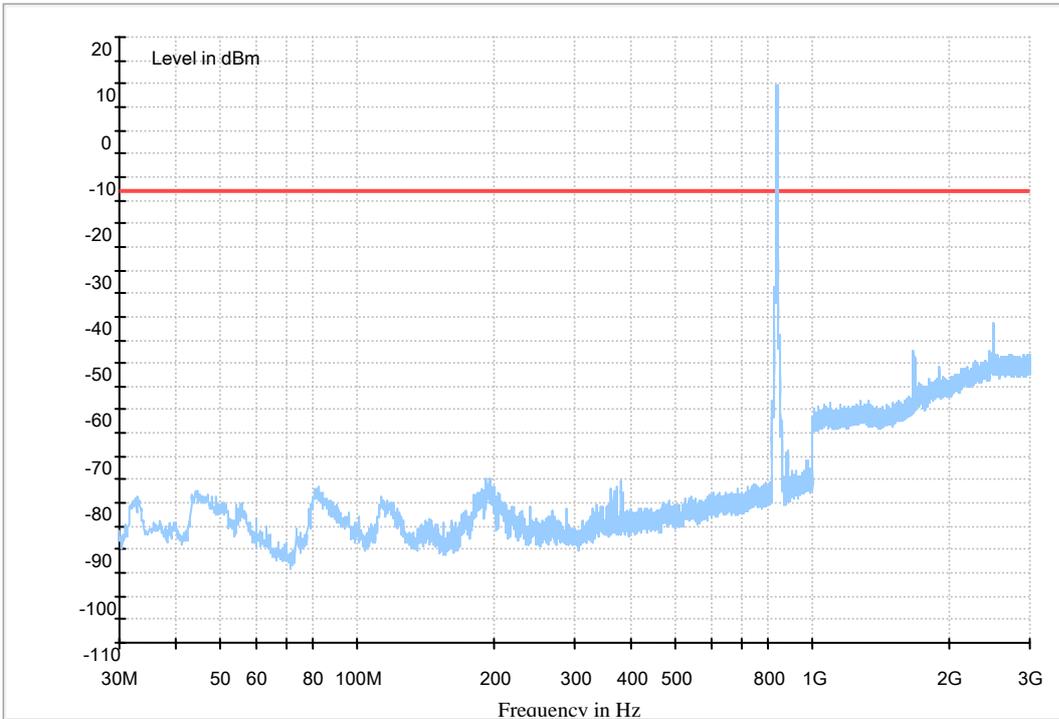


7.2.1.3 Test mode=UMTS/TM3

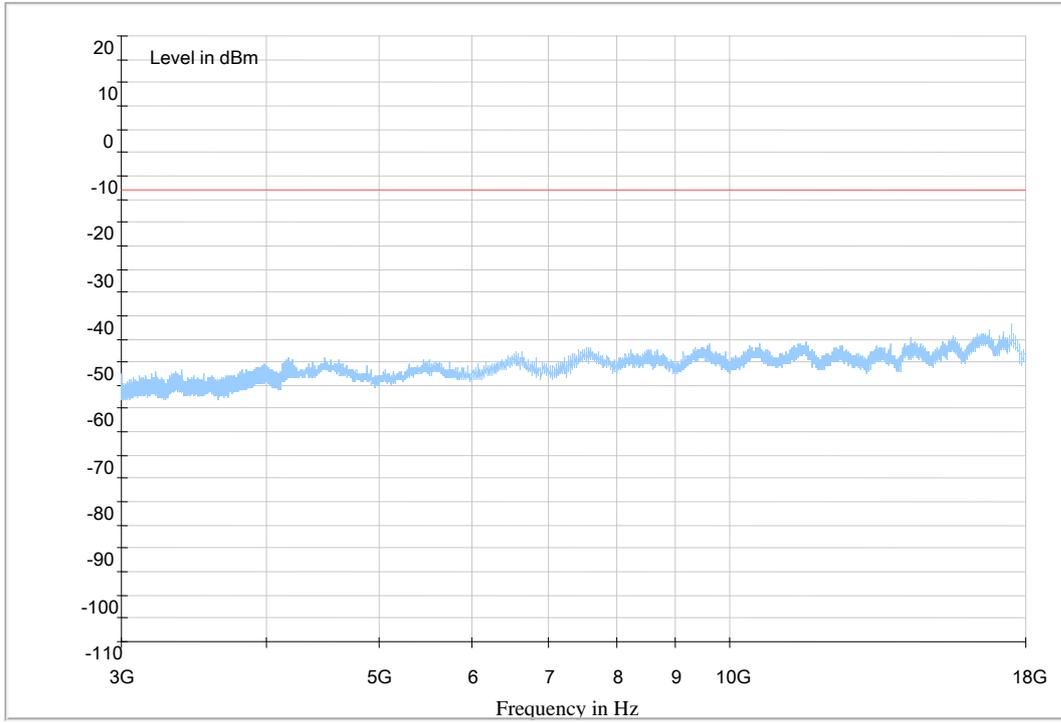
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



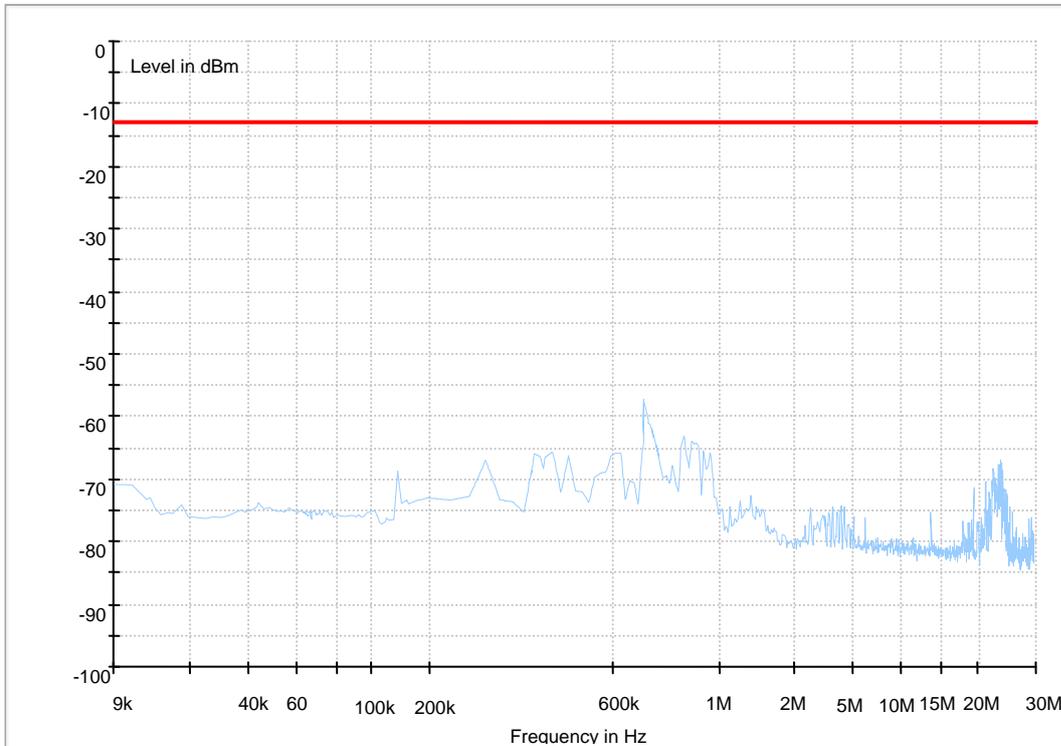
Traffic Mode (3GHz-18GHz)



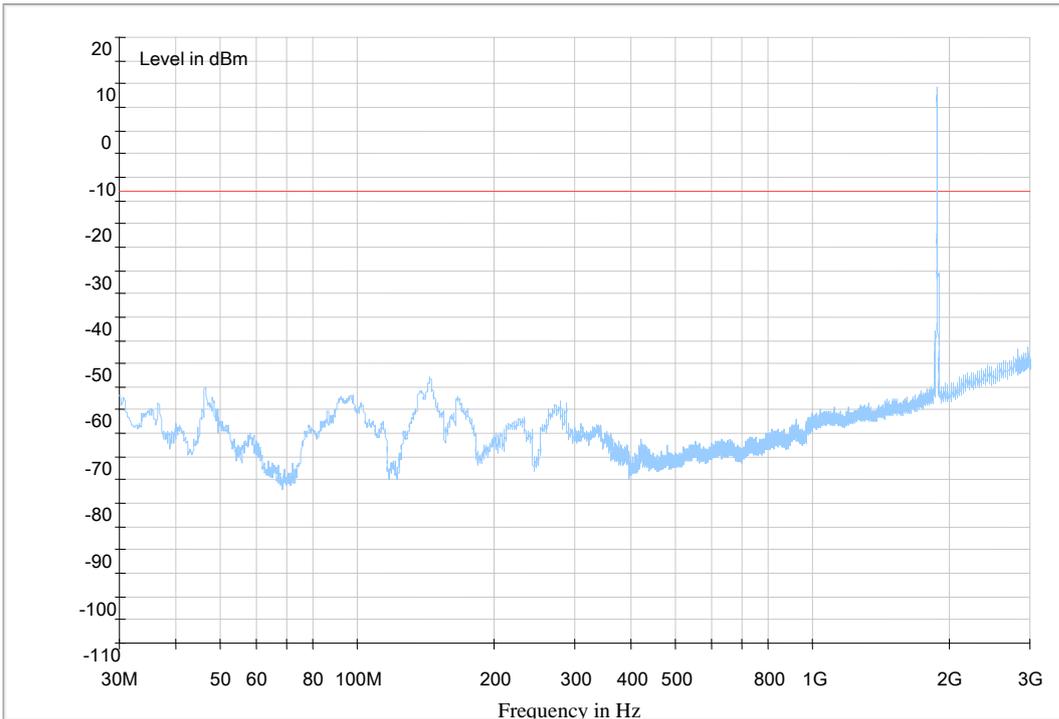
7.2.2 Test Band=WCDMA1900

7.2.2.1 Test mode=UMTS/TM1

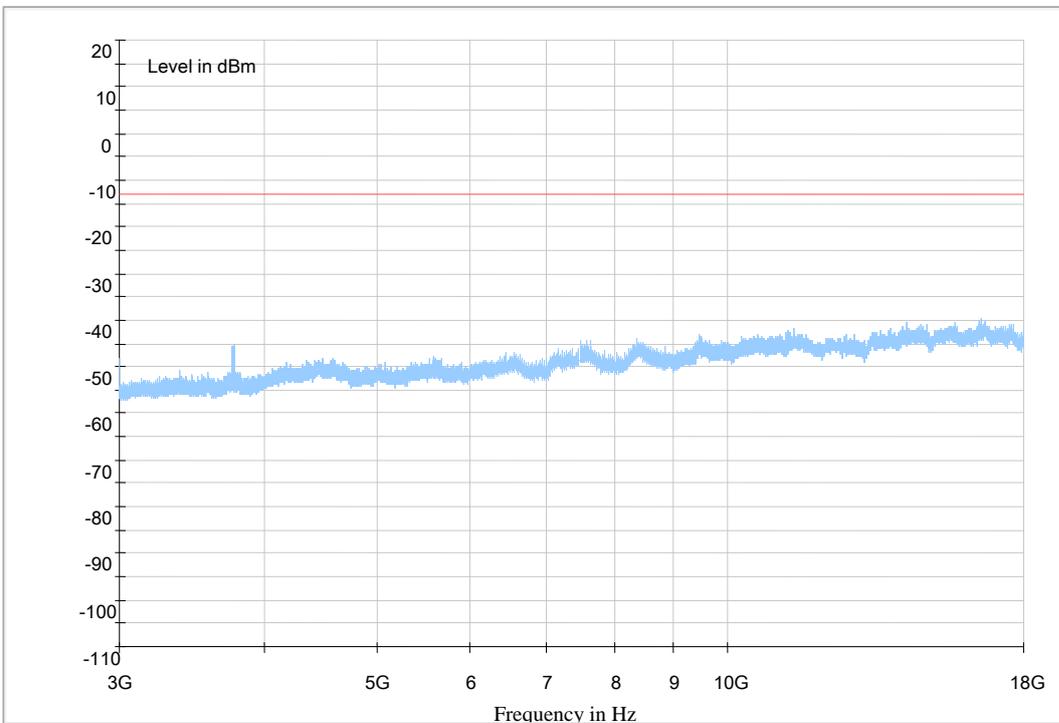
Traffic Mode (9kHz-30MHz)



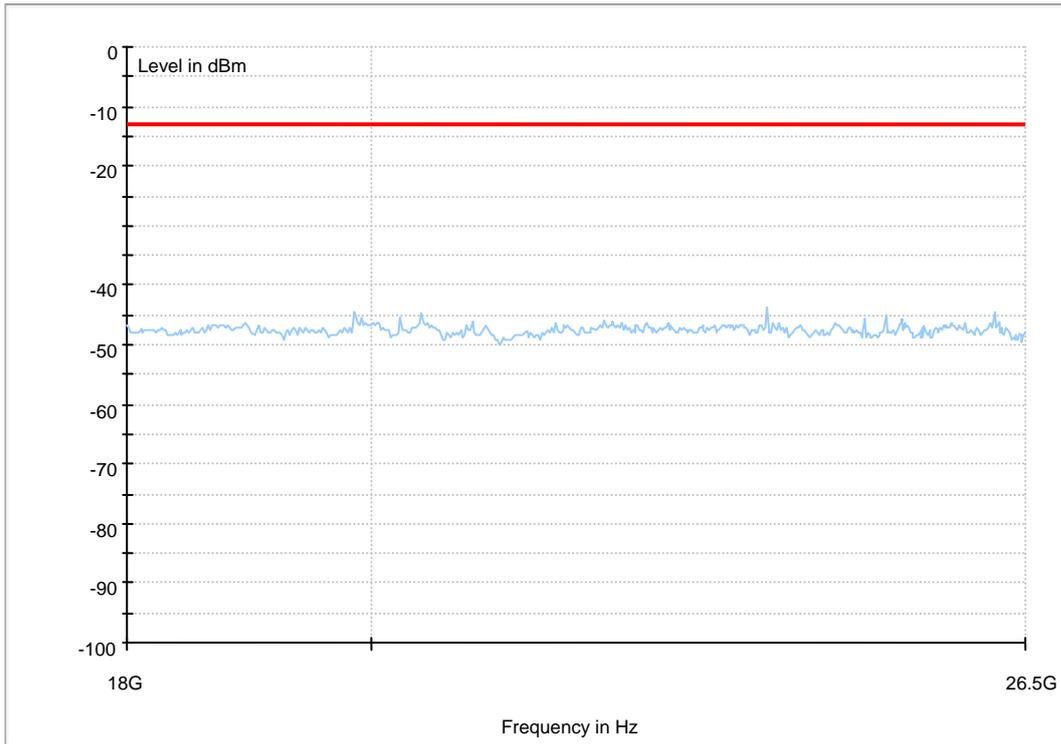
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

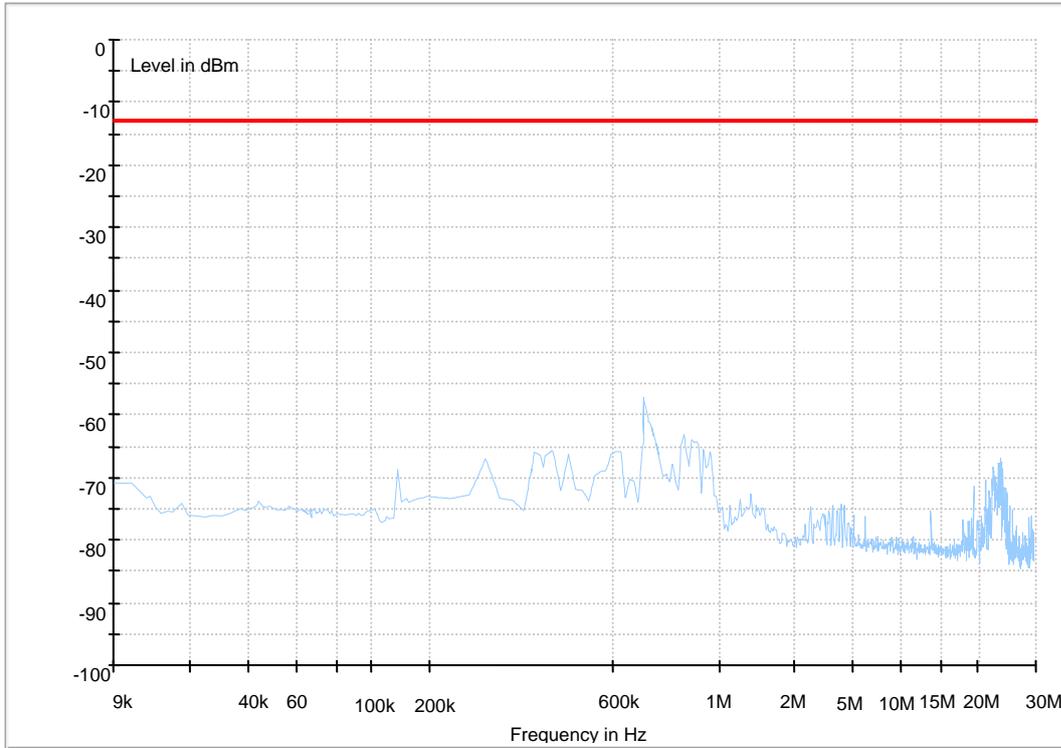


Traffic Mode (18GHz-26.5GHz)

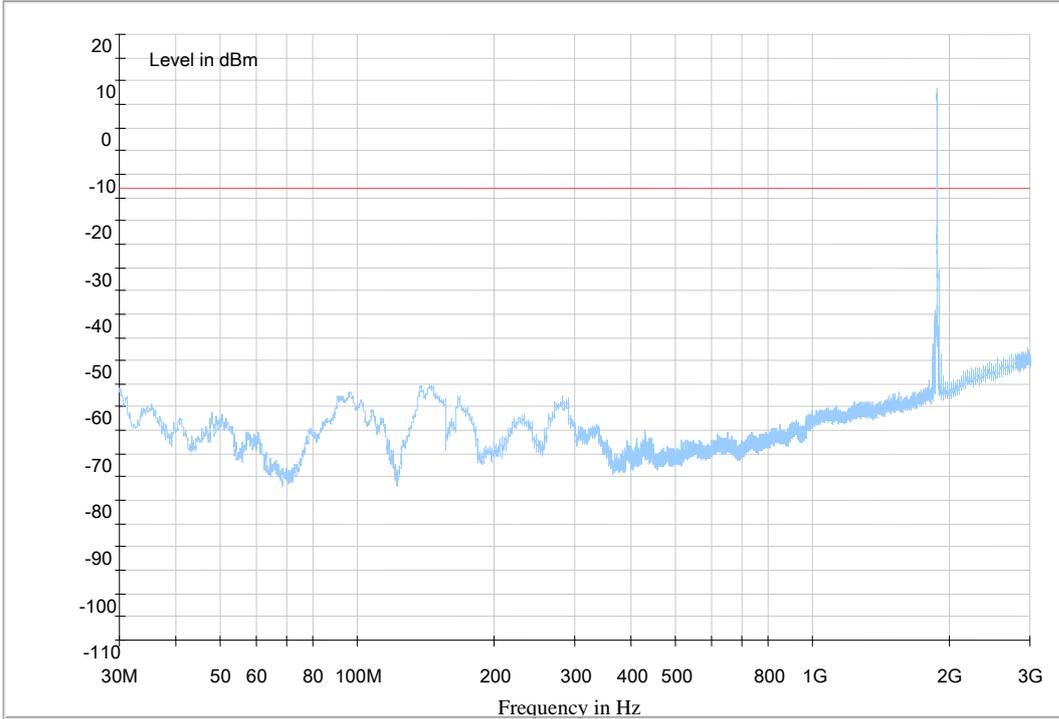


7.2.2.2 Test mode=UMTS/TM2

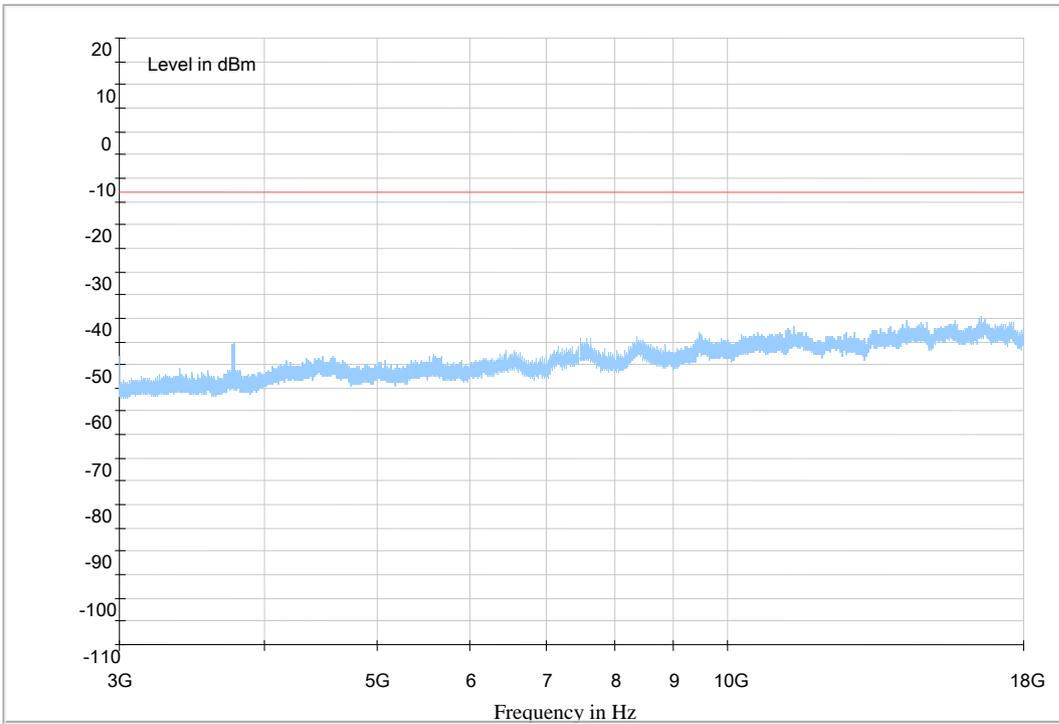
Traffic Mode (9kHz-30MHz)



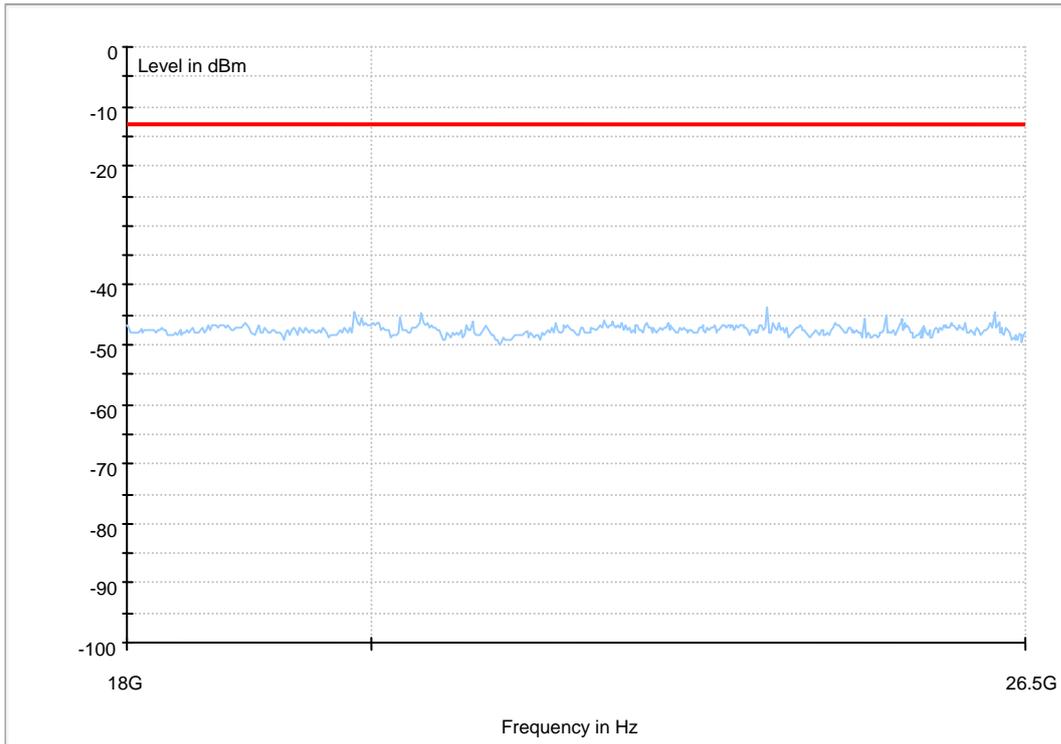
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

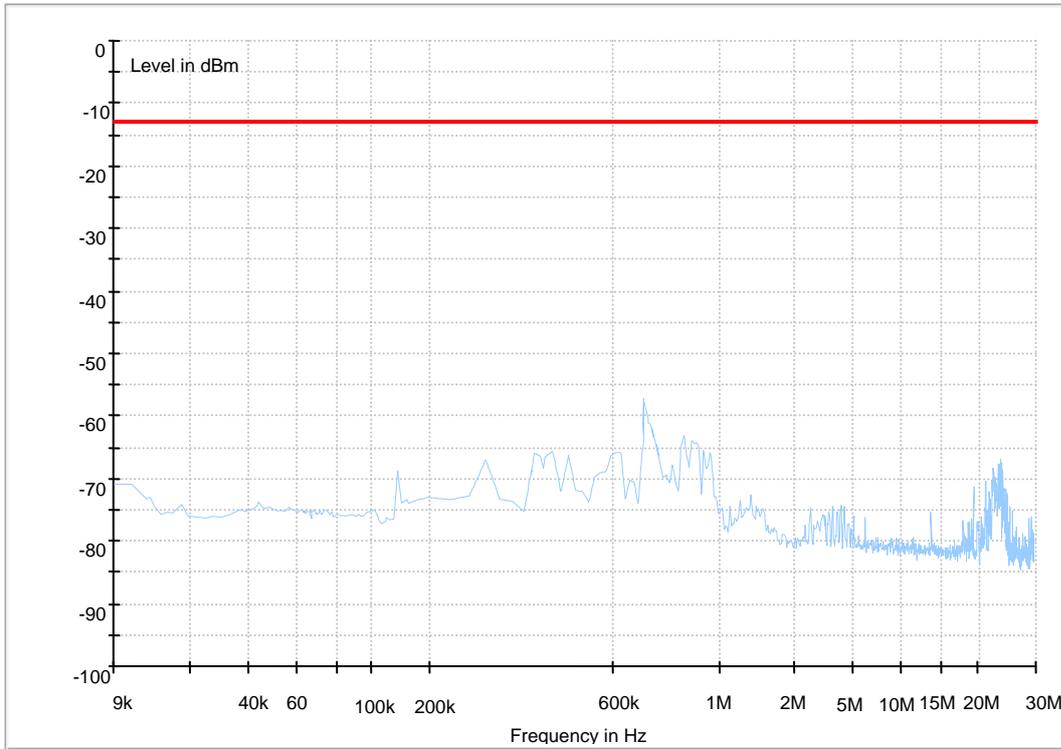


Traffic Mode (18GHz-26.5GHz)

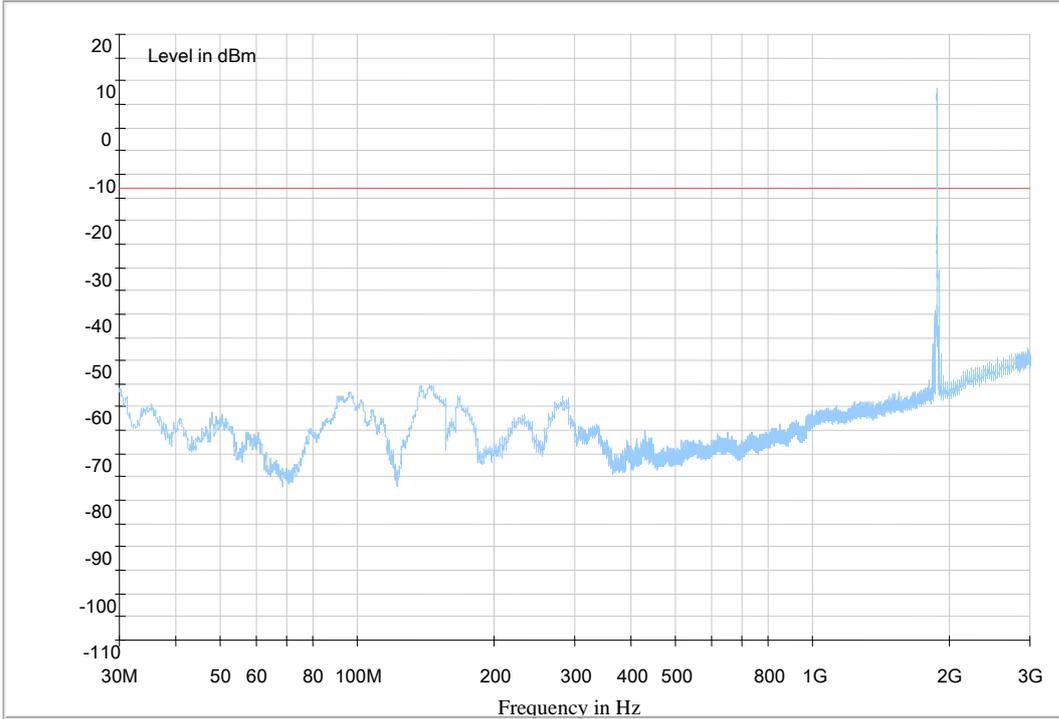


7.2.2.3 Test mode=UMTS/TM3

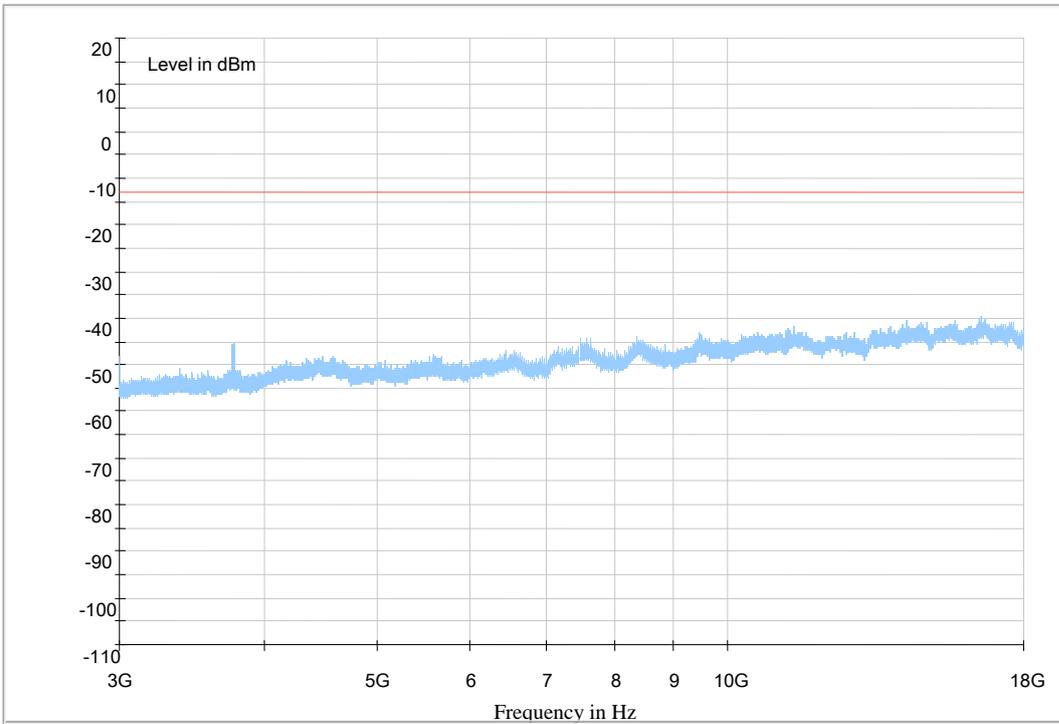
Traffic Mode (9kHz-30MHz)



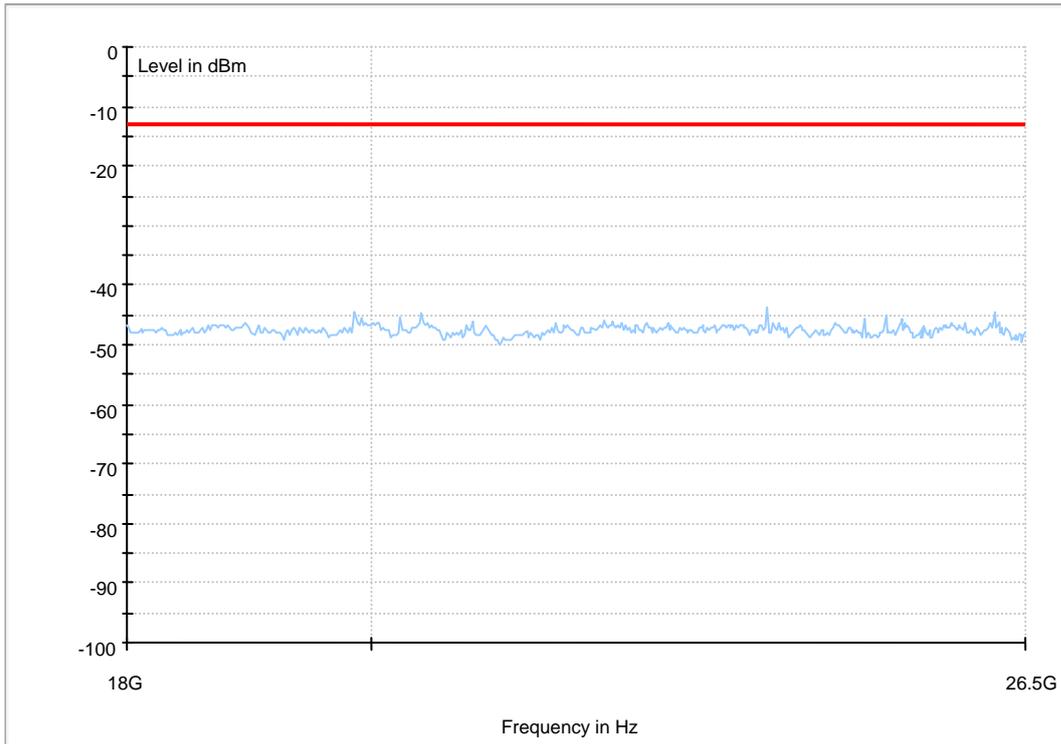
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



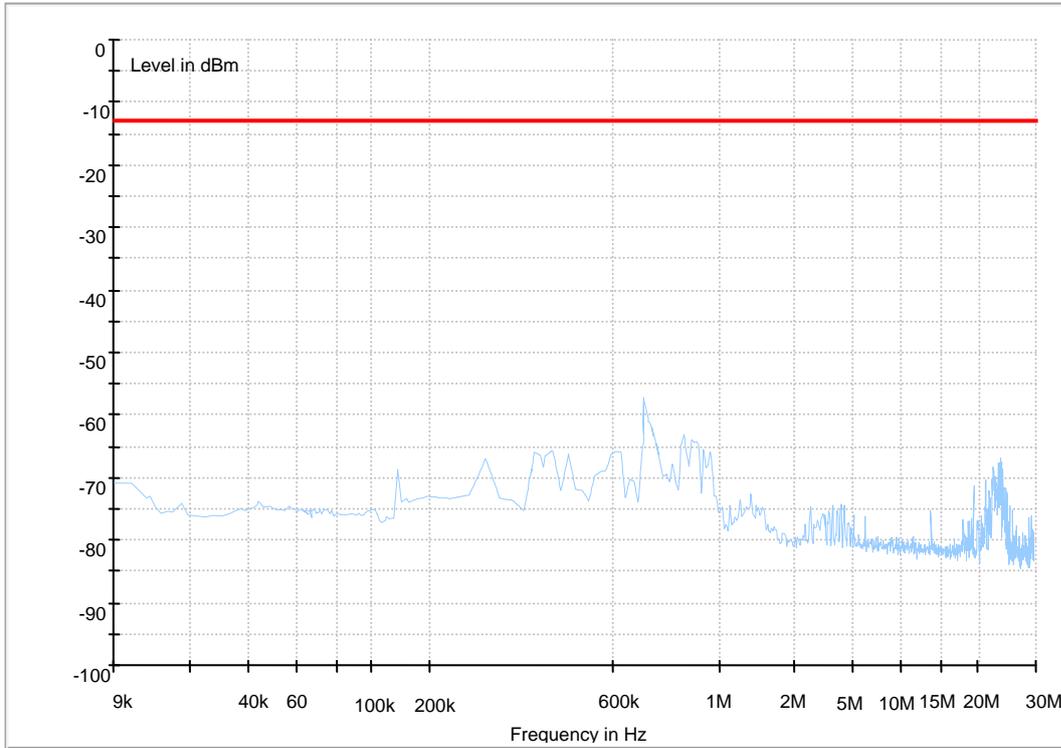
Traffic Mode (18GHz-26.5GHz)



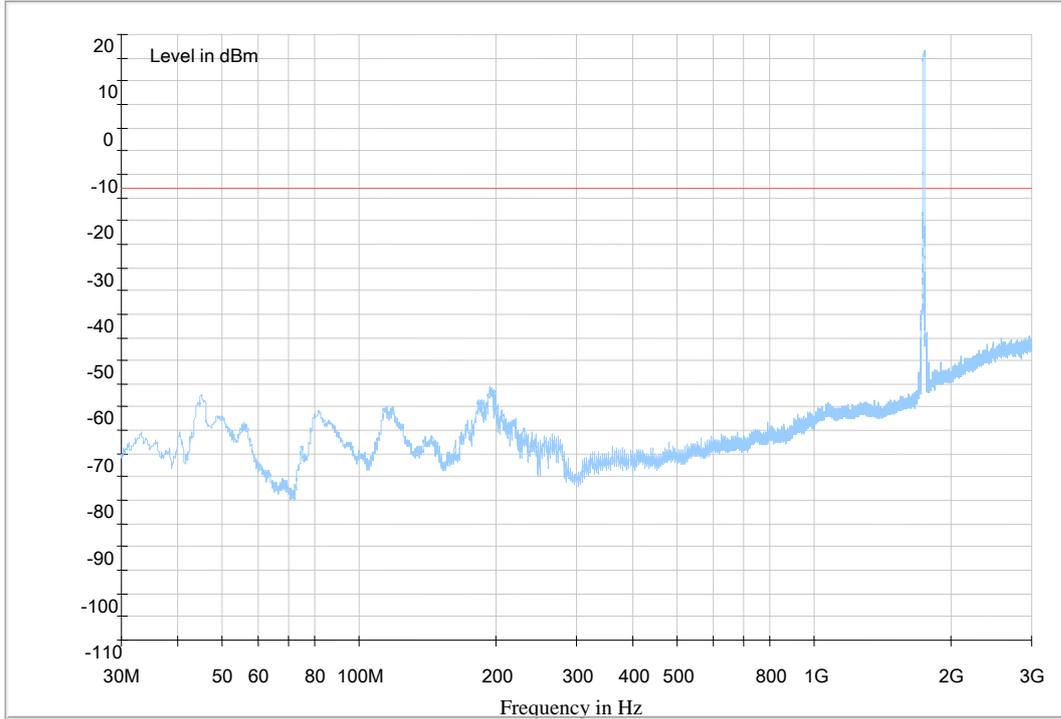
7.2.3 Test Band=WCDMA1700

7.2.3.1 Test mode=UMTS/TM1

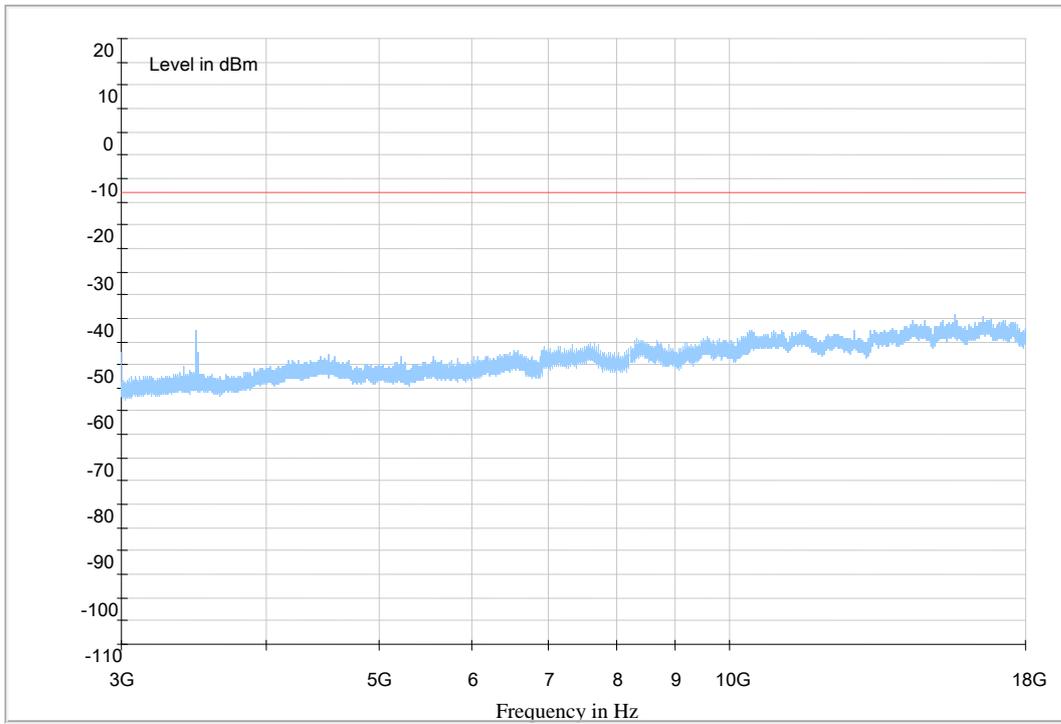
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

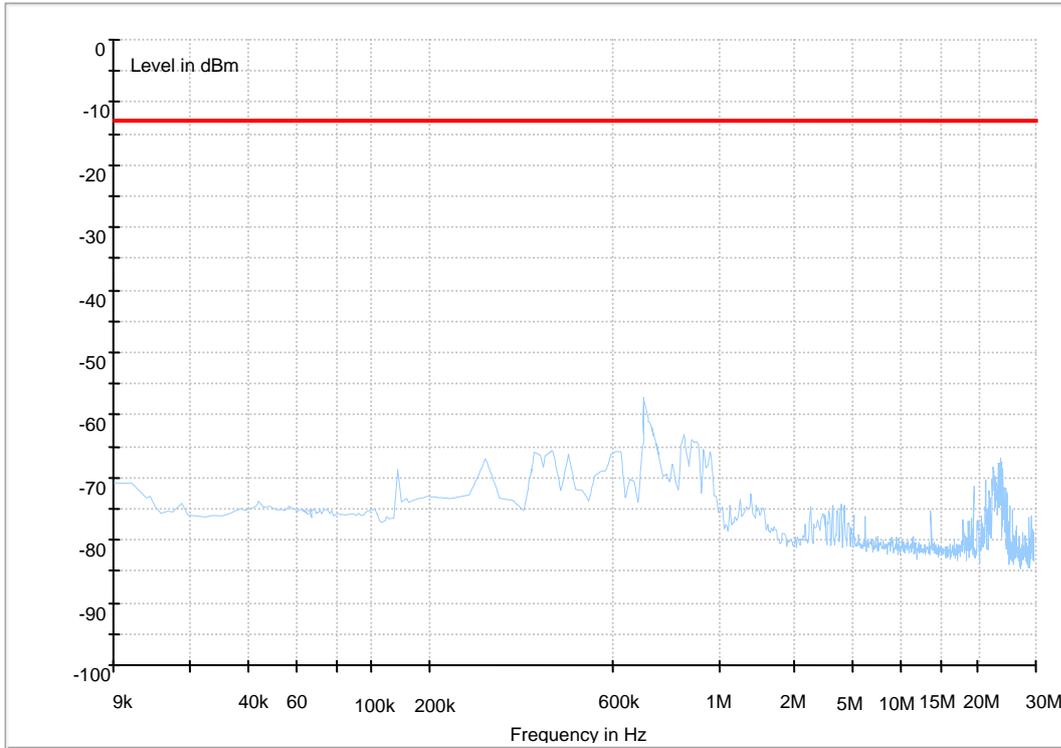


Traffic Mode (3GHz-18GHz)

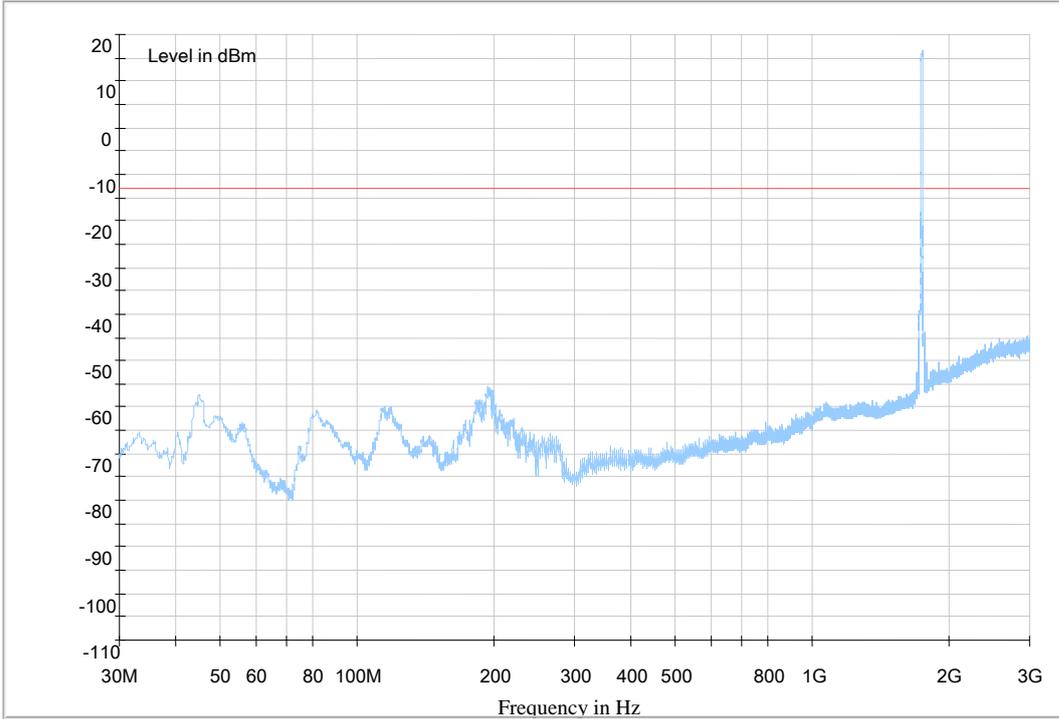


7.2.3.2 Test mode=UMTS/TM2

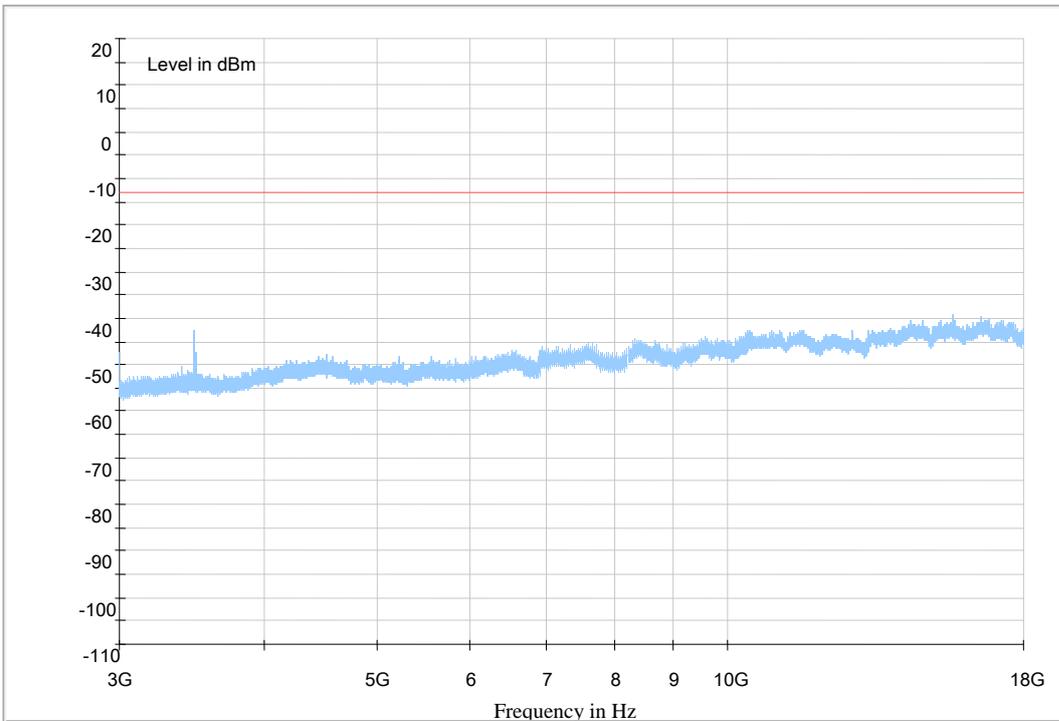
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

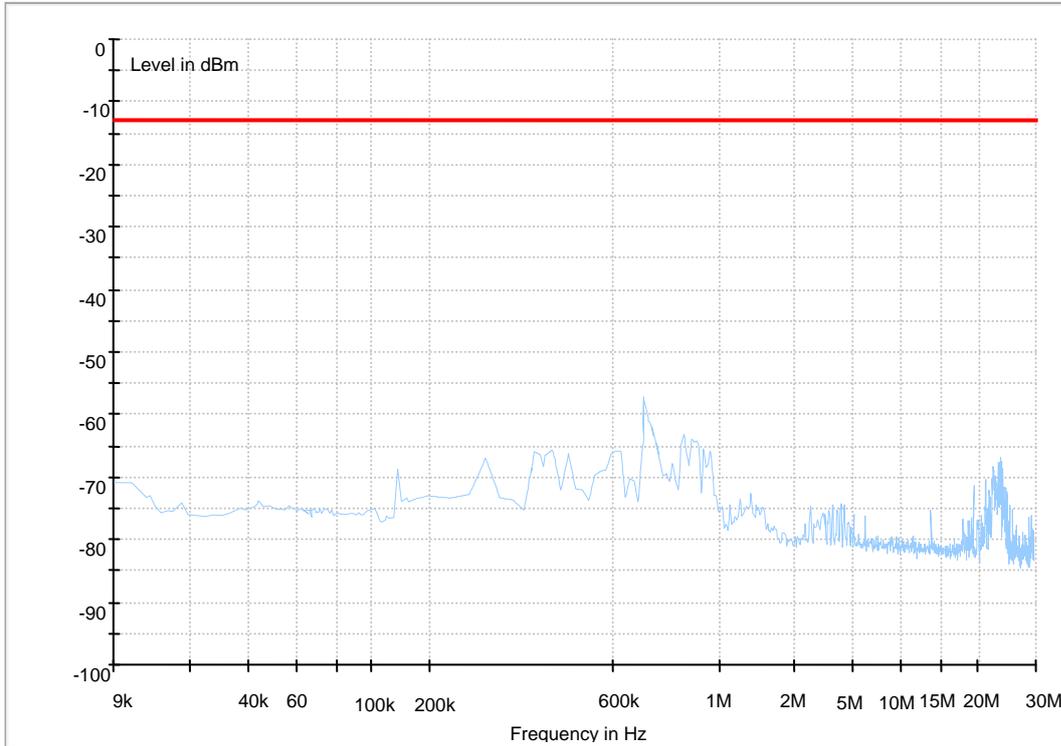


Traffic Mode (3GHz-18GHz)

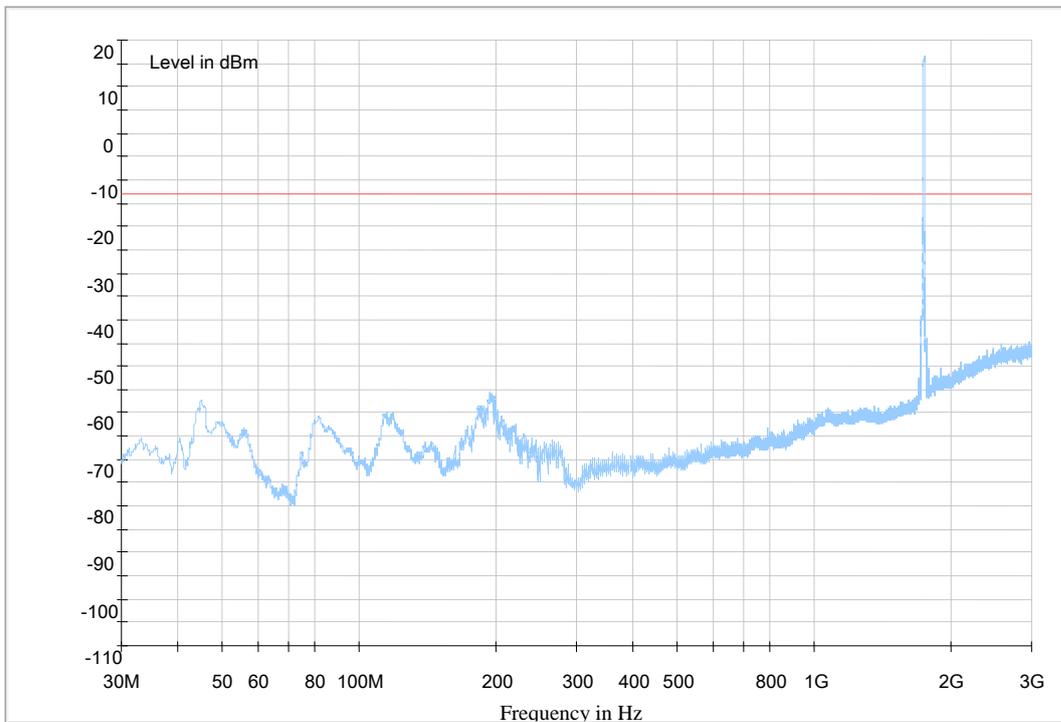


7.2.3.3 Test mode=UMTS/TM3

Traffic Mode (9kHz-30MHz)

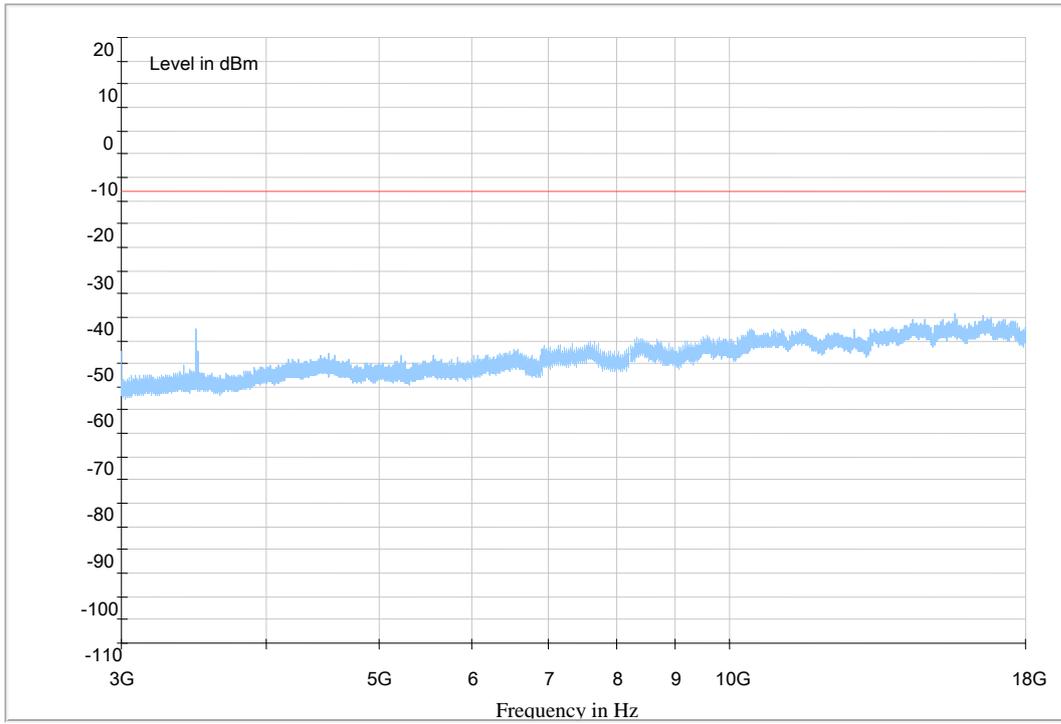


Traffic Mode (30MHz-3GHz)





Traffic Mode (3GHz-18GHz)



8Appendix_H: Frequency Stability

8.1 For GSM

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	0.71	0.00086	±2.5	PASS
				VN	3.03	0.00368	±2.5	PASS
				VH	4.07	0.00494	±2.5	PASS
		MCH	TN	VL	8.91	0.01065	±2.5	PASS
				VN	9.43	0.01127	±2.5	PASS
				VH	7.62	0.00911	±2.5	PASS
		HCH	TN	VL	3.29	0.00388	±2.5	PASS
				VN	7.94	0.00935	±2.5	PASS
				VH	11.95	0.01408	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-0.48	-0.00058	±2.5	PASS
				VN	0.52	0.00063	±2.5	PASS
				VH	-6.81	-0.00826	±2.5	PASS
		MCH	TN	VL	-3.49	-0.00417	±2.5	PASS
				VN	-8.27	-0.00989	±2.5	PASS
				VH	-1.55	-0.00185	±2.5	PASS
		HCH	TN	VL	-5.10	-0.00601	±2.5	PASS
				VN	-7.26	-0.00855	±2.5	PASS
				VH	-4.36	-0.00514	±2.5	PASS
GSM1900	GSM/TM1	LCH	TN	VL	9.94	0.00537	±2.5	PASS
				VN	12.72	0.00687	±2.5	PASS
				VH	6.84	0.0037	±2.5	PASS
		MCH	TN	VL	-6.20	-0.0033	±2.5	PASS
				VN	3.68	0.00196	±2.5	PASS
				VH	-3.62	-0.00193	±2.5	PASS
		HCH	TN	VL	0.71	0.00037	±2.5	PASS
				VN	1.42	0.00074	±2.5	PASS
				VH	2.97	0.00156	±2.5	PASS
	GSM/TM2	LCH	TN	VL	0.26	0.00014	±2.5	PASS
				VN	-17.63	-0.00953	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				VH	-21.66	-0.01171	±2.5	PASS
		MCH	TN	VL	-5.75	-0.00306	±2.5	PASS
				VN	-5.10	-0.00271	±2.5	PASS
				VH	-22.34	-0.01188	±2.5	PASS
		HCH	TN	VL	-5.65	-0.00296	±2.5	PASS
				VN	-6.75	-0.00353	±2.5	PASS
				VH	-12.37	-0.00648	±2.5	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]	Limit [ppm]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	7.23	0.00877	±2.5	PASS
				-20	2.07	0.00251	±2.5	PASS
				-10	8.91	0.01081	±2.5	PASS
				0	7.49	0.00909	±2.5	PASS
				10	7.81	0.00948	±2.5	PASS
				20	4.65	0.00564	±2.5	PASS
				30	6.39	0.00775	±2.5	PASS
				40	10.53	0.01278	±2.5	PASS
				50	8.27	0.01003	±2.5	PASS
		MCH	VN	-30	1.87	0.00224	±2.5	PASS
				-20	6.97	0.00833	±2.5	PASS
				-10	11.75	0.01404	±2.5	PASS
				0	5.55	0.00663	±2.5	PASS
				10	8.72	0.01042	±2.5	PASS
				20	8.46	0.01011	±2.5	PASS
				30	3.10	0.00371	±2.5	PASS
				40	2.78	0.00332	±2.5	PASS
				50	6.59	0.00788	±2.5	PASS
		HCH	VN	-30	7.10	0.00836	±2.5	PASS
				-20	8.91	0.0105	±2.5	PASS
				-10	5.29	0.00623	±2.5	PASS
				0	4.26	0.00502	±2.5	PASS
				10	6.20	0.0073	±2.5	PASS
				20	4.33	0.0051	±2.5	PASS
30	4.33			0.0051	±2.5	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
	GSM/TM2	LCH	VN	40	3.87	0.00456	±2.5	PASS
				50	5.42	0.00639	±2.5	PASS
				-30	-2.29	-0.00278	±2.5	PASS
				-20	-11.17	-0.01355	±2.5	PASS
				-10	-4.36	-0.00529	±2.5	PASS
				0	-5.78	-0.00701	±2.5	PASS
				10	-3.81	-0.00462	±2.5	PASS
				20	-6.04	-0.00733	±2.5	PASS
				30	-6.30	-0.00764	±2.5	PASS
				40	-2.10	-0.00255	±2.5	PASS
		50	0.23	0.00028	±2.5	PASS		
		MCH	VN	-30	-6.59	-0.00788	±2.5	PASS
				-20	-15.30	-0.01829	±2.5	PASS
				-10	1.65	0.00197	±2.5	PASS
				0	-5.55	-0.00663	±2.5	PASS
				10	-3.16	-0.00378	±2.5	PASS
				20	-1.84	-0.0022	±2.5	PASS
				30	-8.14	-0.00973	±2.5	PASS
				40	-1.36	-0.00163	±2.5	PASS
		50	-4.65	-0.00556	±2.5	PASS		
		HCH	VN	-30	-3.58	-0.00422	±2.5	PASS
				-20	-7.10	-0.00836	±2.5	PASS
				-10	-2.39	-0.00282	±2.5	PASS
				0	-9.98	-0.01176	±2.5	PASS
				10	-4.78	-0.00563	±2.5	PASS
				20	-4.10	-0.00483	±2.5	PASS
				30	0.19	0.00022	±2.5	PASS
				40	-1.49	-0.00176	±2.5	PASS
50	-6.84	-0.00806	±2.5	PASS				
GSM1900	GSM/TM1	LCH	VN	-30	-10.20	-0.00551	±2.5	PASS
				-20	-6.10	-0.00384	±2.5	PASS
				-10	-2.65	-0.00143	±2.5	PASS
				0	-0.26	-0.00014	±2.5	PASS
				10	-4.17	-0.00279	±2.5	PASS
				20	-11.30	-0.00611	±2.5	PASS
				30	-7.04	-0.0038	±2.5	PASS
				40	-6.33	-0.00342	±2.5	PASS
				50	-7.36	-0.00398	±2.5	PASS
		MCH	VN	-30	-21.50	-0.01144	±2.5	PASS
				-20	-28.35	-0.01508	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				-10	-28.41	-0.01511	±2.5	PASS
				0	-28.80	-0.01532	±2.5	PASS
				10	-26.47	-0.01408	±2.5	PASS
				20	-28.41	-0.01511	±2.5	PASS
				30	-28.86	-0.01535	±2.5	PASS
				40	-29.70	-0.0158	±2.5	PASS
				50	-25.76	-0.0137	±2.5	PASS
		HCH	VN	-30	-23.96	-0.01255	±2.5	PASS
				-20	-23.15	-0.01265	±2.5	PASS
				-10	-22.02	-0.01153	±2.5	PASS
				0	-22.73	-0.0119	±2.5	PASS
				10	-20.28	-0.01062	±2.5	PASS
				20	-20.15	-0.01055	±2.5	PASS
				30	-20.99	-0.01099	±2.5	PASS
	GSM/TM2	LCH	VN	-30	-23.76	-0.01284	±2.5	PASS
				-20	-17.92	-0.00969	±2.5	PASS
				-10	-19.73	-0.01066	±2.5	PASS
				0	-20.47	-0.01106	±2.5	PASS
				10	-19.34	-0.01045	±2.5	PASS
				20	-24.18	-0.01361	±2.5	PASS
				30	-20.21	-0.01092	±2.5	PASS
		MCH	VN	-30	-36.94	-0.01965	±2.5	PASS
				-20	-36.52	-0.01943	±2.5	PASS
				-10	-34.32	-0.01826	±2.5	PASS
				0	-36.84	-0.0196	±2.5	PASS
				10	-32.12	-0.01709	±2.5	PASS
				20	-33.42	-0.01778	±2.5	PASS
				30	-30.51	-0.01623	±2.5	PASS
	HCH	VN	-30	-29.09	-0.01523	±2.5	PASS	
			-20	-31.93	-0.01672	±2.5	PASS	
			-10	-35.29	-0.01848	±2.5	PASS	
			0	-32.54	-0.01704	±2.5	PASS	
			10	-29.48	-0.01544	±2.5	PASS	
			20	-32.64	-0.01709	±2.5	PASS	



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				30	-30.41	-0.01592	±2.5	PASS
				40	-35.22	-0.01897	±2.5	PASS
				50	-37.74	-0.01976	±2.5	PASS

8.2 For UMTS

8.2.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	TN	VL	-2.91	-0.00352	±2.5	PASS
				VN	0.43	0.00052	±2.5	PASS
				VH	1.13	0.00137	±2.5	PASS
		MCH	TN	VL	-5.57	-0.00666	±2.5	PASS
				VN	-3.48	-0.00416	±2.5	PASS
				VH	-3.56	-0.00426	±2.5	PASS
		HCH	TN	VL	-0.85	-0.001	±2.5	PASS
				VN	-6.82	-0.00806	±2.5	PASS
				VH	-2.09	-0.00247	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	4.70	0.00254	±2.5	PASS
				VN	0.05	0.00003	±2.5	PASS
				VH	-3.75	-0.00202	±2.5	PASS
		MCH	TN	VL	9.54	0.00507	±2.5	PASS
				VN	-12.77	-0.00679	±2.5	PASS
				VH	-1.27	-0.00068	±2.5	PASS
		HCH	TN	VL	2.69	0.00141	±2.5	PASS
				VN	-0.84	-0.00044	±2.5	PASS
				VH	5.54	0.0029	±2.5	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-7.05	-0.00412	±2.5	PASS
				VN	-3.81	-0.00222	±2.5	PASS
				VH	-2.99	-0.00175	±2.5	PASS
		MCH	TN	VL	8.22	0.00474	±2.5	PASS
				VN	-1.42	-0.00082	±2.5	PASS
				VH	1.97	0.00114	±2.5	PASS
		HCH	TN	VL	-6.88	-0.00393	±2.5	PASS
				VN	-7.22	-0.00412	±2.5	PASS
				VH	-7.48	-0.00427	±2.5	PASS

8.2.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	VN	-30	-2.66	-0.00322	±2.5	PASS
				-20	-1.21	-0.00146	±2.5	PASS
				-10	-6.79	-0.00821	±2.5	PASS
				0	-2.32	-0.00281	±2.5	PASS
				10	-6.47	-0.00783	±2.5	PASS
				20	0.53	0.00064	±2.5	PASS
				30	-7.54	-0.00912	±2.5	PASS
				40	-0.23	-0.00028	±2.5	PASS
				50	0.27	0.00033	±2.5	PASS
		MCH	VN	-30	-3.49	-0.00417	±2.5	PASS
				-20	-0.66	-0.00079	±2.5	PASS
				-10	-6.04	-0.00722	±2.5	PASS
				0	-1.22	-0.00146	±2.5	PASS
				10	-0.24	-0.00029	±2.5	PASS
				20	-5.77	-0.0069	±2.5	PASS
				30	1.17	0.0014	±2.5	PASS
				40	-7.90	-0.00945	±2.5	PASS
				50	-4.35	-0.0052	±2.5	PASS
		HCH	VN	-30	1.37	0.00162	±2.5	PASS
				-20	-3.01	-0.00356	±2.5	PASS
				-10	-3.66	-0.00432	±2.5	PASS
				0	-1.19	-0.00141	±2.5	PASS
				10	-4.75	-0.00561	±2.5	PASS
				20	-0.53	-0.00063	±2.5	PASS
				30	-0.60	-0.00071	±2.5	PASS
				40	0.20	0.00024	±2.5	PASS
				50	-2.91	-0.00344	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-4.52	-0.00244	±2.5	PASS
				-20	1.95	0.00105	±2.5	PASS
				-10	8.10	0.00437	±2.5	PASS
				0	-3.37	-0.00182	±2.5	PASS
				10	-8.07	-0.00436	±2.5	PASS
				20	1.22	0.00066	±2.5	PASS
				30	2.06	0.00111	±2.5	PASS
				40	-0.70	-0.00038	±2.5	PASS
				50	-2.64	-0.00143	±2.5	PASS
		MCH	VN	-30	-10.19	-0.00542	±2.5	PASS
				-20	-13.06	-0.00695	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				-10	-5.20	-0.00277	±2.5	PASS
				0	-5.98	-0.00318	±2.5	PASS
				10	-4.21	-0.00224	±2.5	PASS
				20	-4.99	-0.00265	±2.5	PASS
				30	-16.60	-0.00883	±2.5	PASS
				40	-3.49	-0.00186	±2.5	PASS
				50	-3.13	-0.00166	±2.5	PASS
		HCH	VN	-30	-8.09	-0.00424	±2.5	PASS
				-20	-7.92	-0.00415	±2.5	PASS
				-10	-14.34	-0.00752	±2.5	PASS
				0	-6.61	-0.00347	±2.5	PASS
				10	0.43	0.00023	±2.5	PASS
				20	9.31	0.00488	±2.5	PASS
				30	-9.77	-0.00512	±2.5	PASS
				40	-6.23	-0.00327	±2.5	PASS
				50	-8.70	-0.00456	±2.5	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	2.66	0.00155	±2.5	PASS
				-20	-9.54	-0.00557	±2.5	PASS
				-10	-8.94	-0.00522	±2.5	PASS
				0	-9.46	-0.00552	±2.5	PASS
				10	-9.41	-0.00549	±2.5	PASS
				20	-1.89	-0.0011	±2.5	PASS
				30	-9.17	-0.00535	±2.5	PASS
				40	-4.85	-0.00283	±2.5	PASS
				50	-3.48	-0.00203	±2.5	PASS
		MCH	VN	-30	7.52	0.00434	±2.5	PASS
				-20	1.19	0.00069	±2.5	PASS
				-10	2.21	0.00128	±2.5	PASS
				0	-6.96	-0.00402	±2.5	PASS
				10	3.04	0.00175	±2.5	PASS
				20	2.03	0.00117	±2.5	PASS
				30	3.20	0.00185	±2.5	PASS
				40	-9.43	-0.00544	±2.5	PASS
		HCH	VN	-30	1.22	0.0007	±2.5	PASS
				-20	1.51	0.00086	±2.5	PASS
				-10	-10.09	-0.00576	±2.5	PASS
				0	0.35	0.0002	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				10	-2.04	-0.00116	±2.5	PASS
				20	1.97	0.00112	±2.5	PASS
				30	-0.73	-0.00042	±2.5	PASS
				40	-15.59	-0.0089	±2.5	PASS
				50	-6.29	-0.00359	±2.5	PASS

END