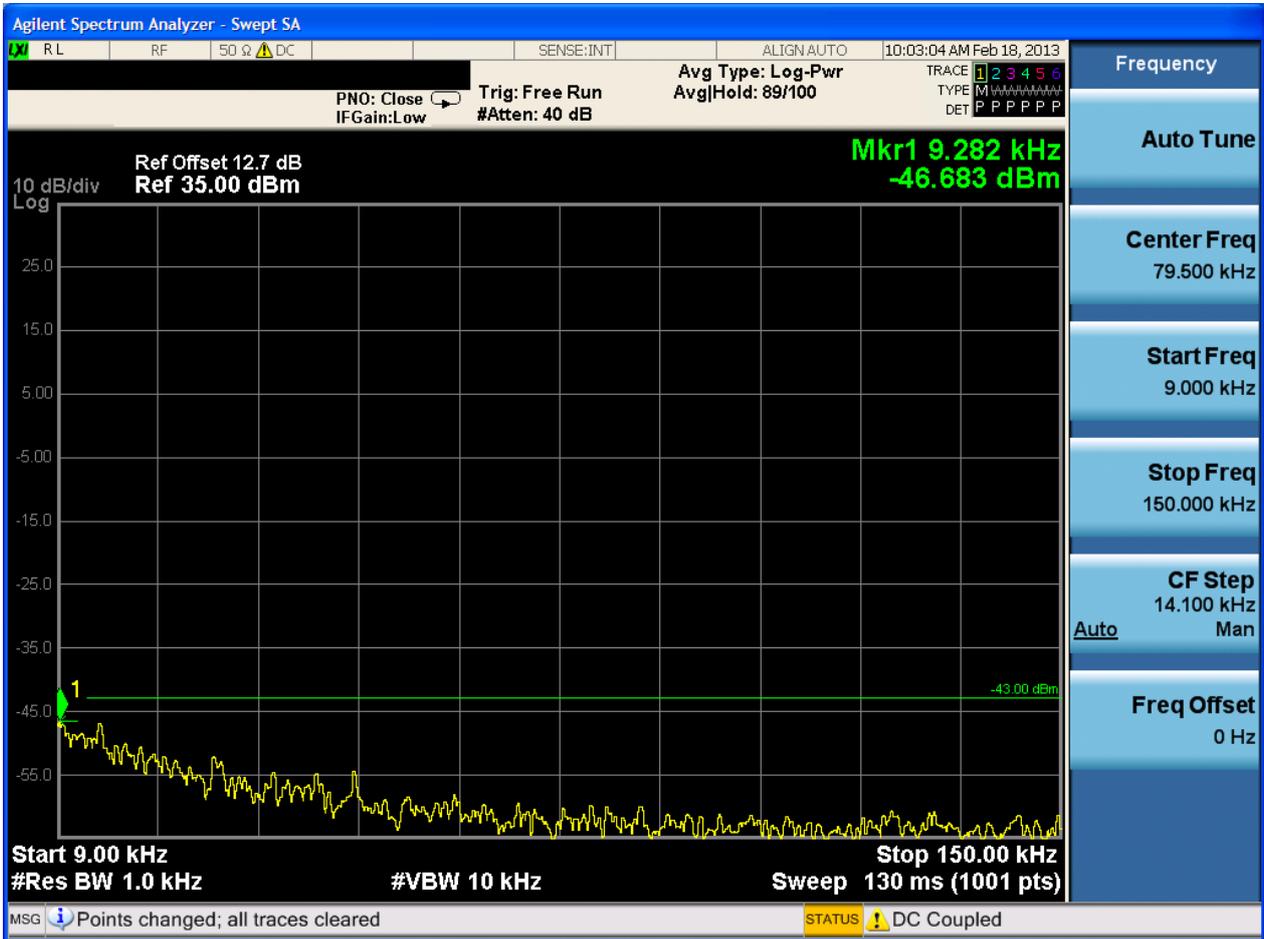
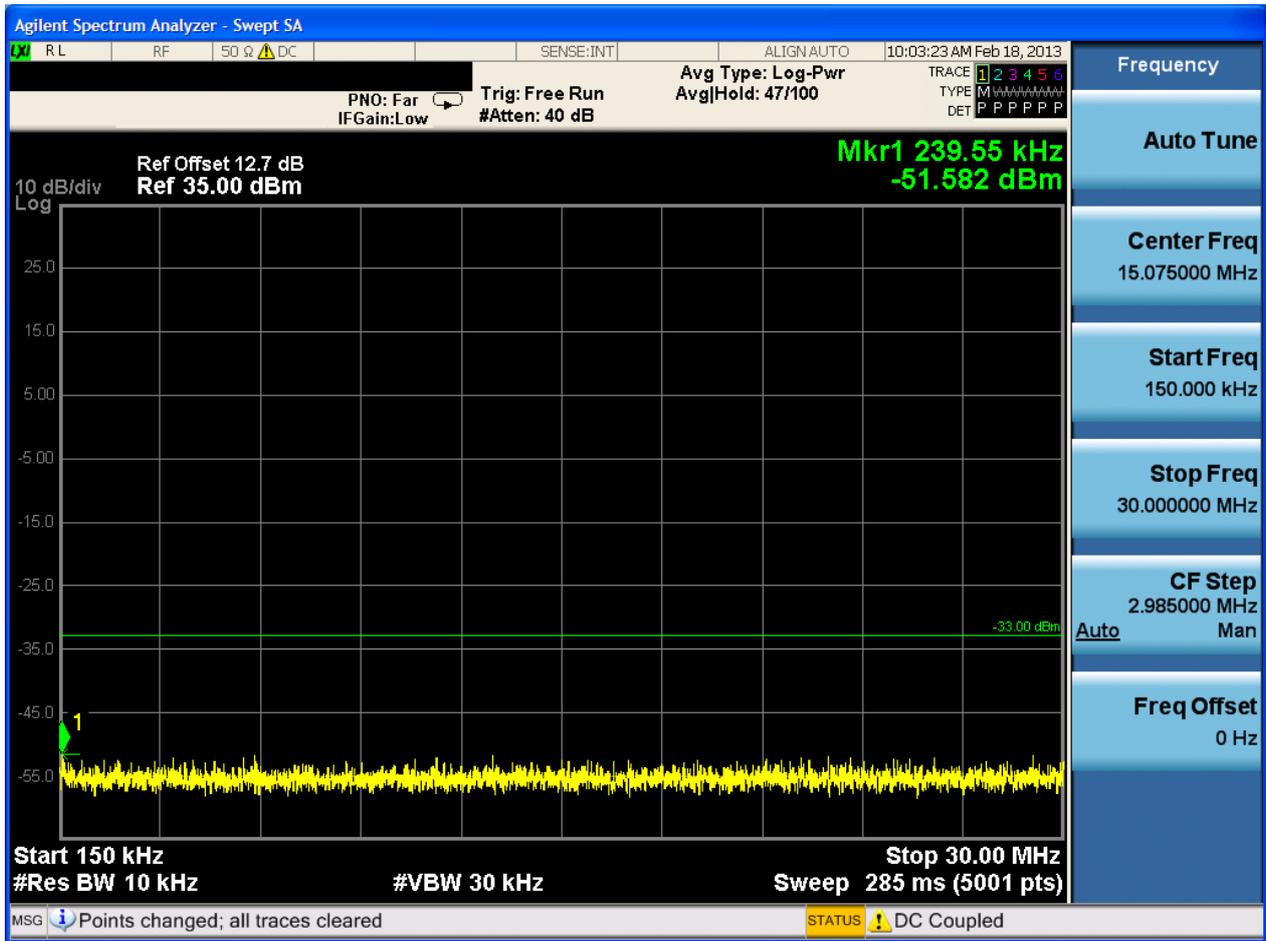
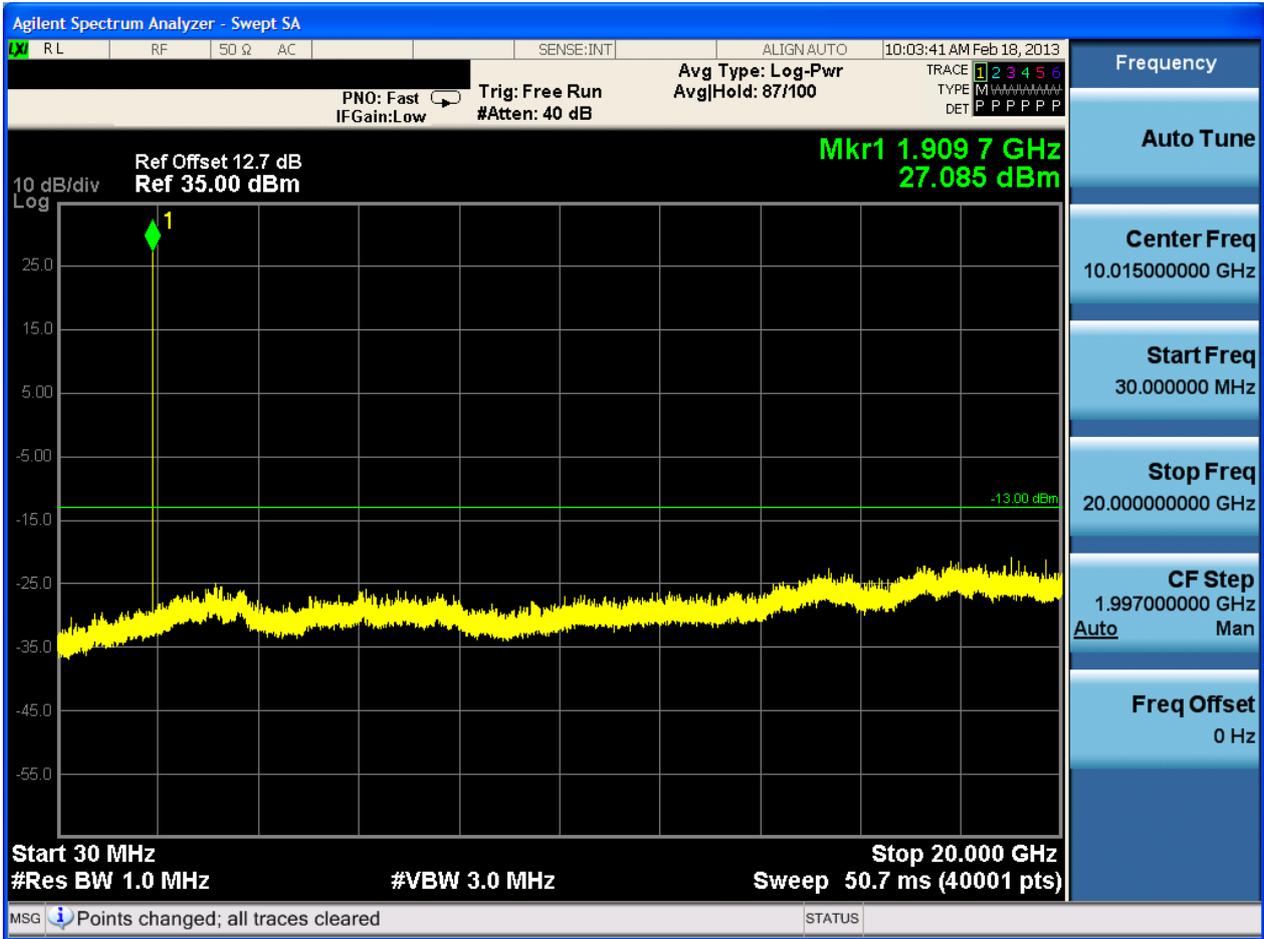




6.1.2.2.3 Test Channel = HCH







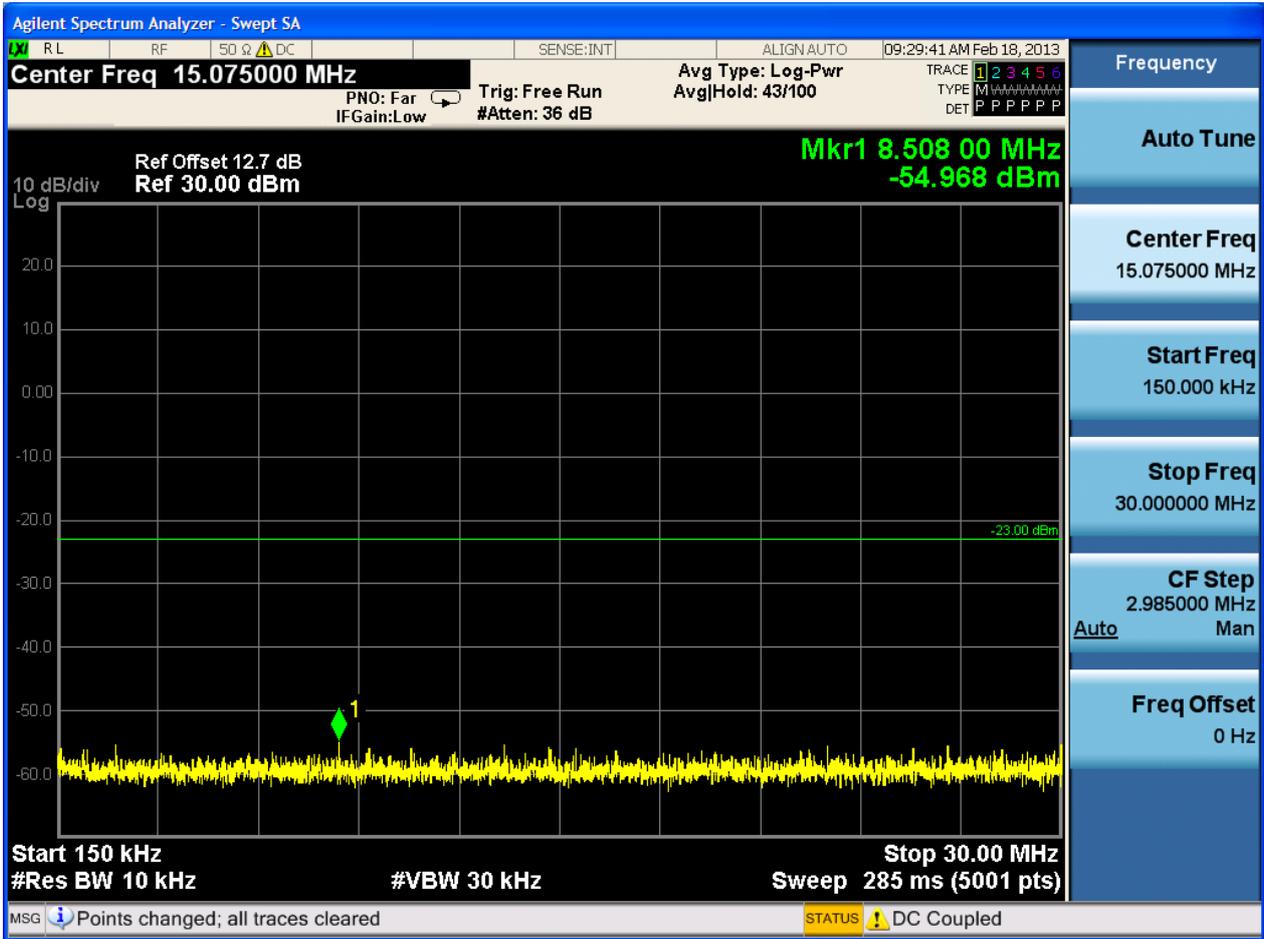
6.2 For UMTS

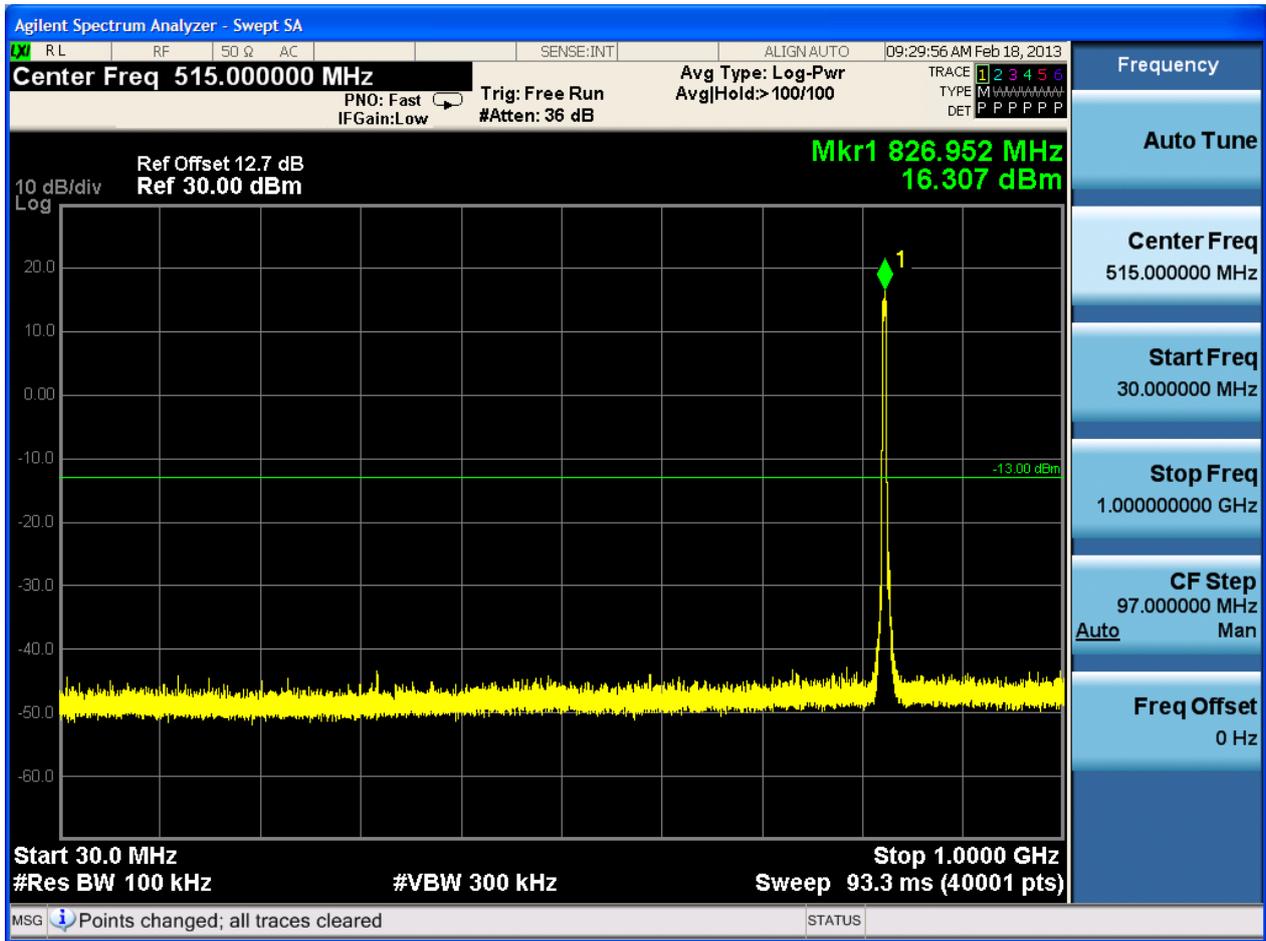
6.2.1 Test Band = WCDMA850

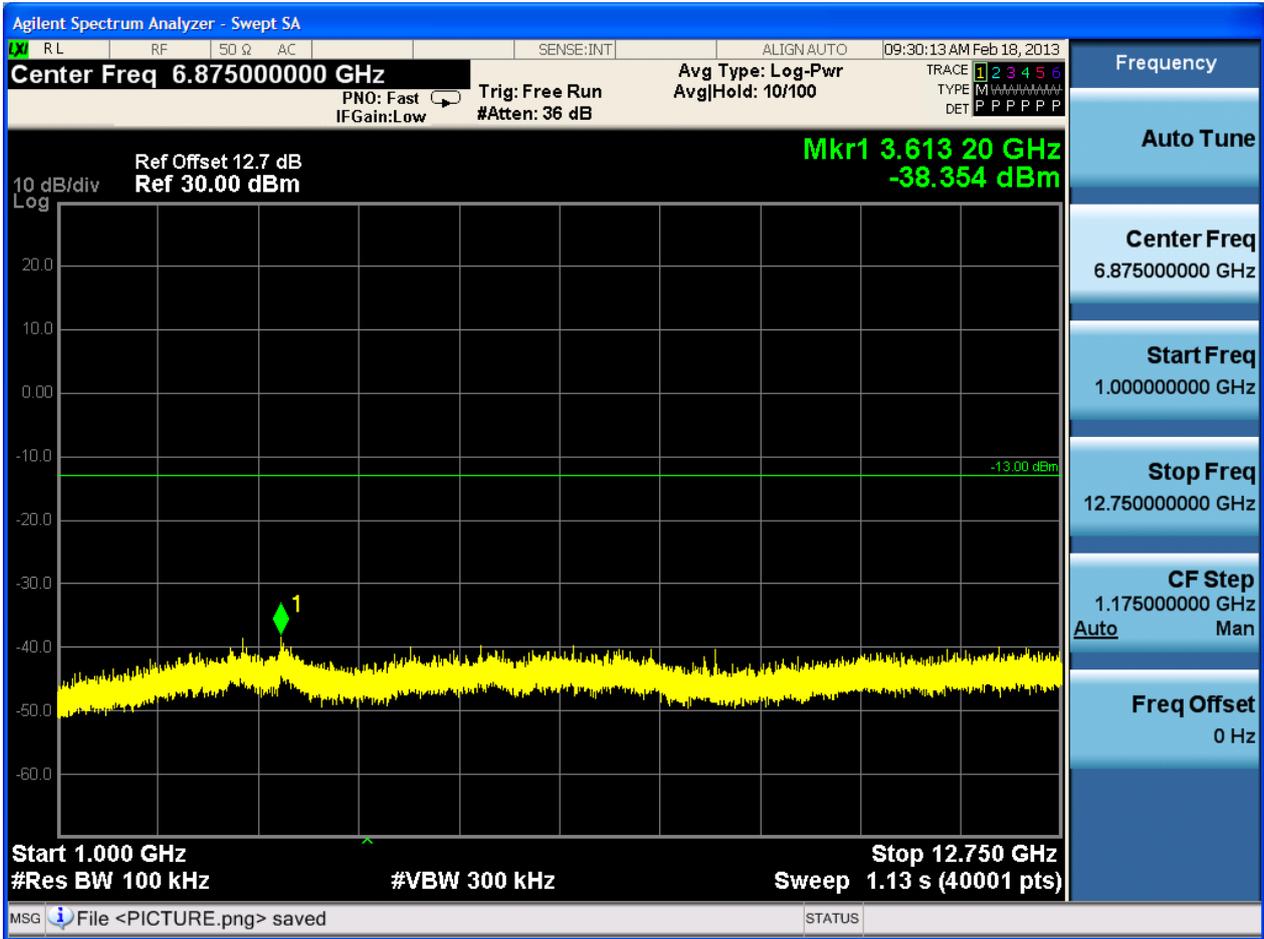
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

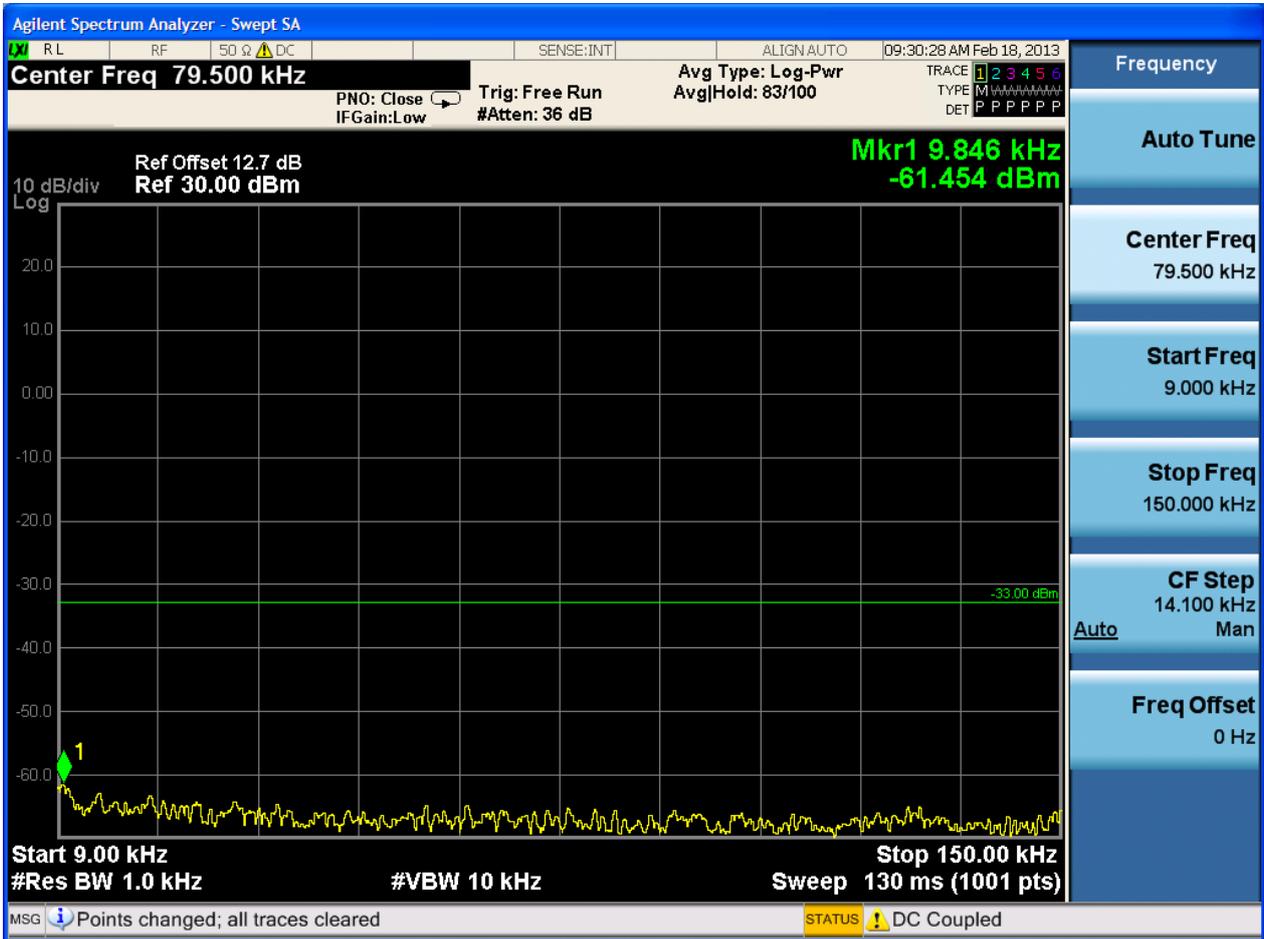


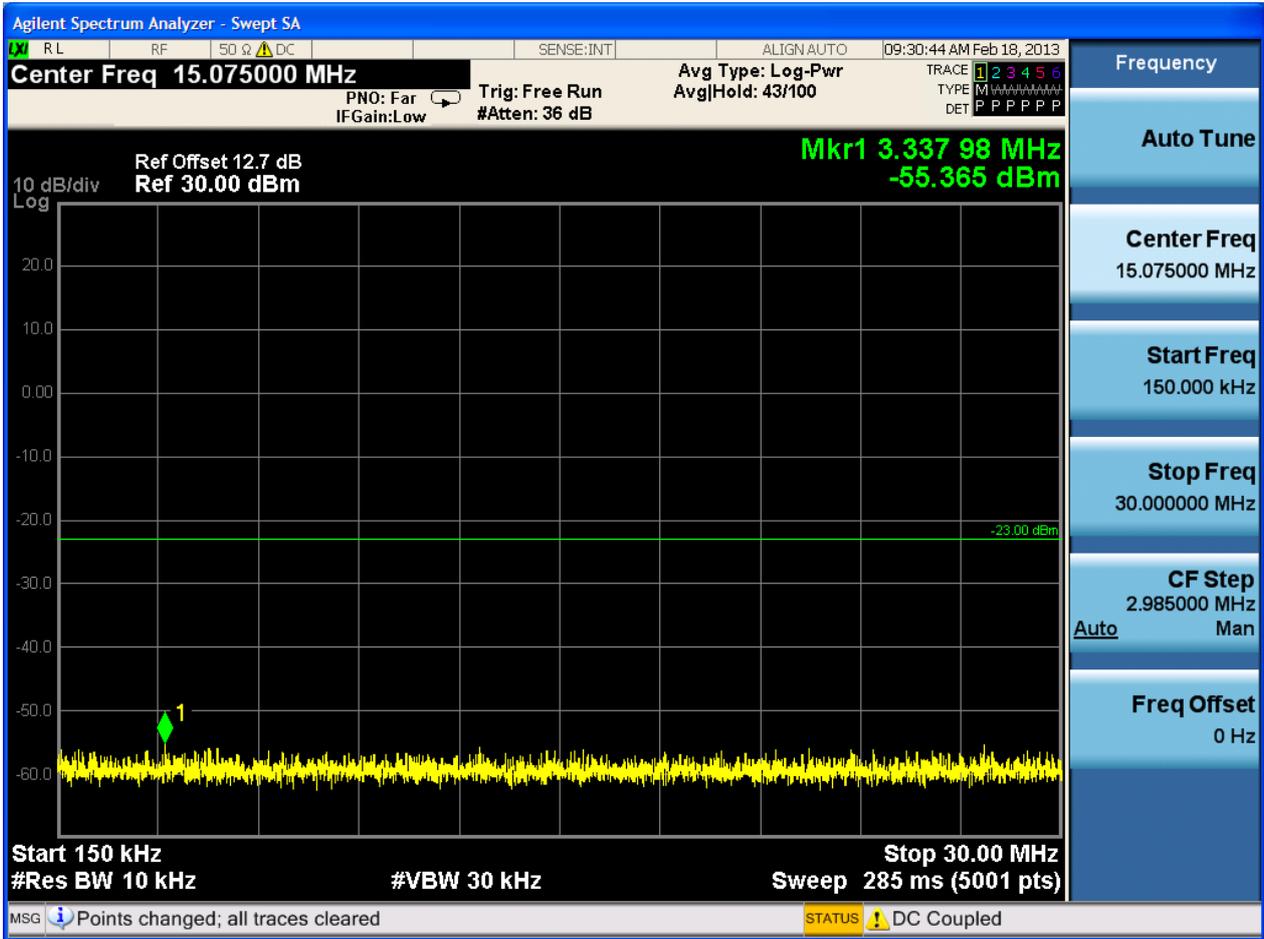


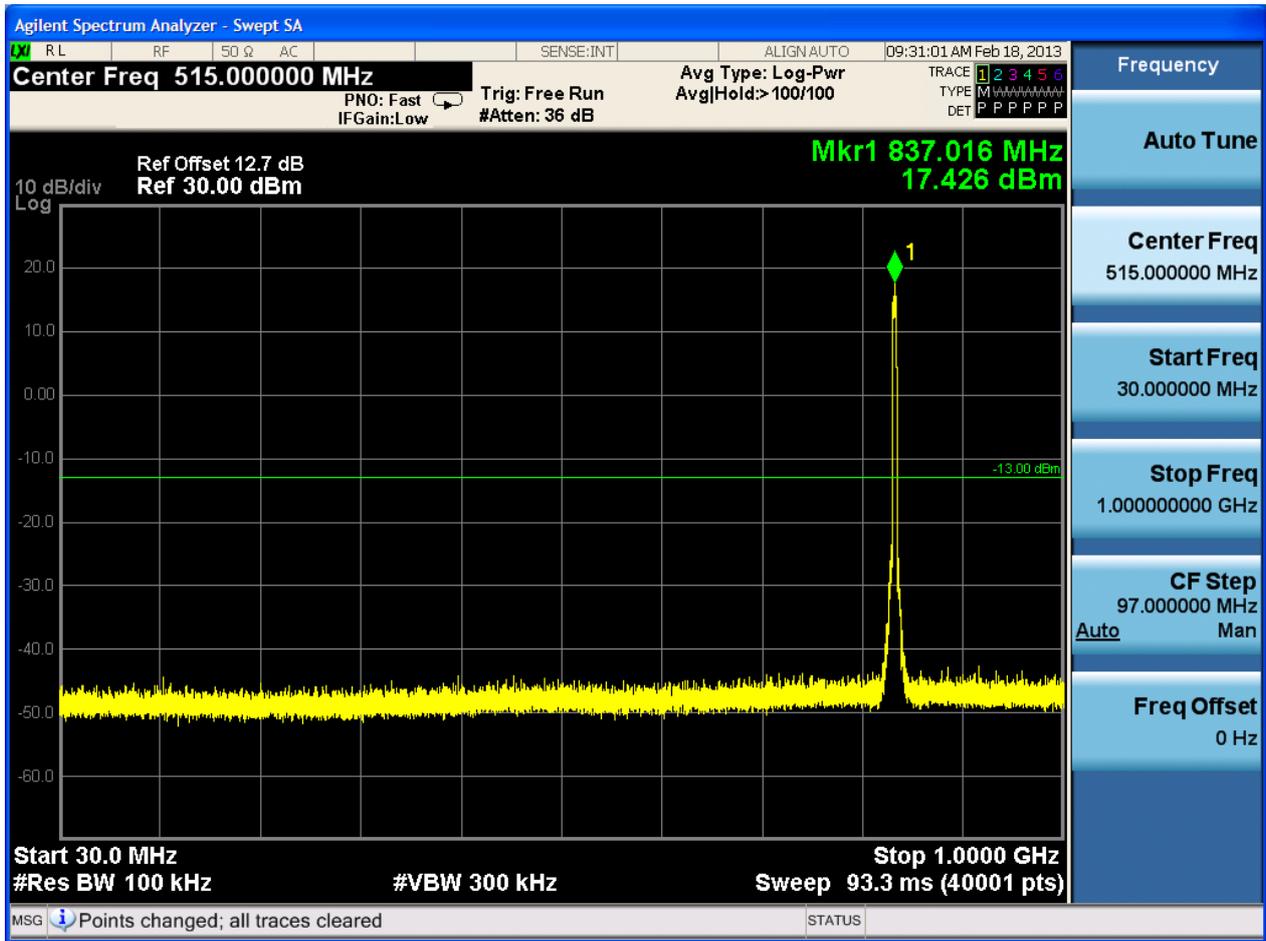


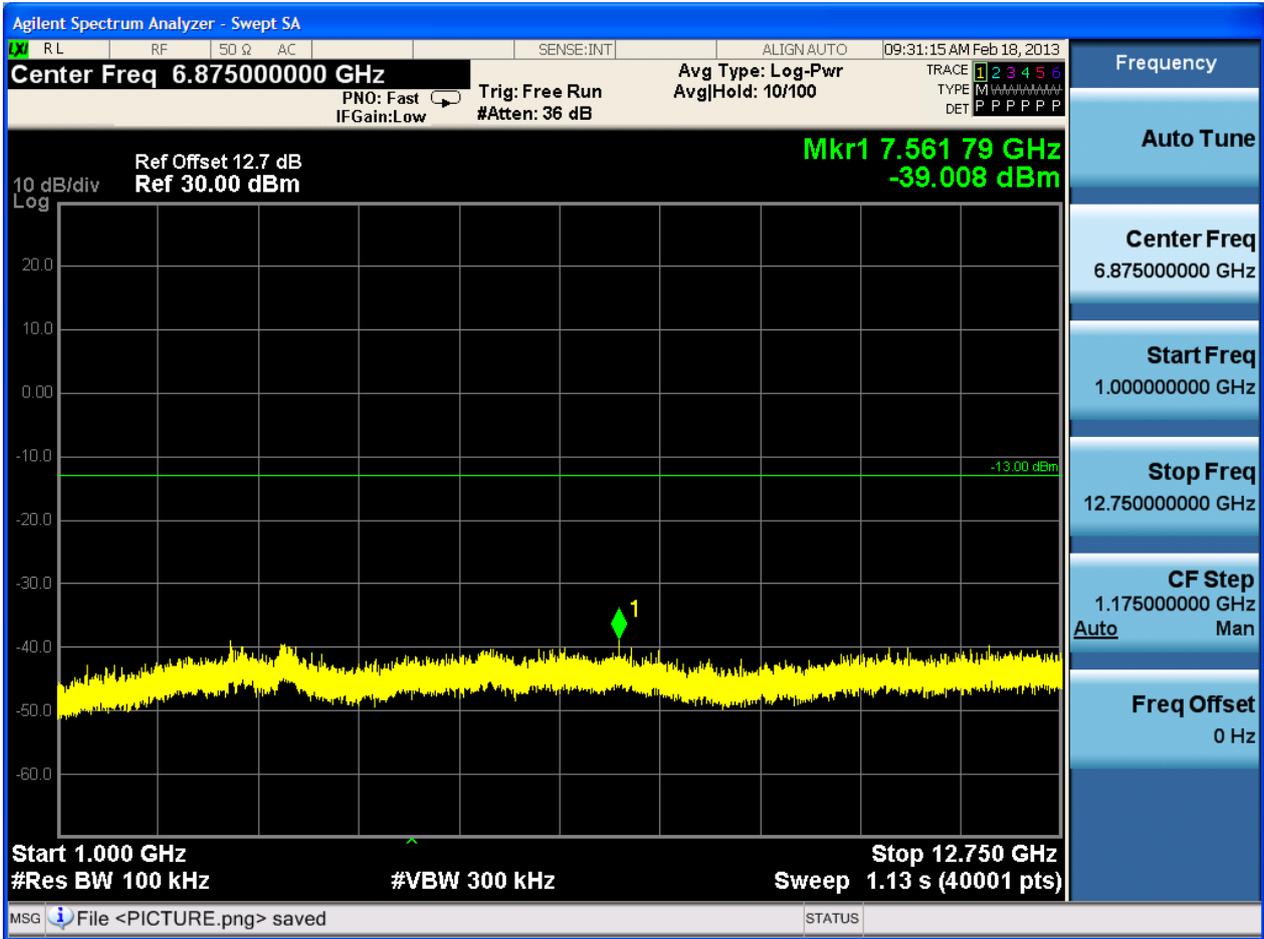


6.2.1.1.2 Test Channel = MCH



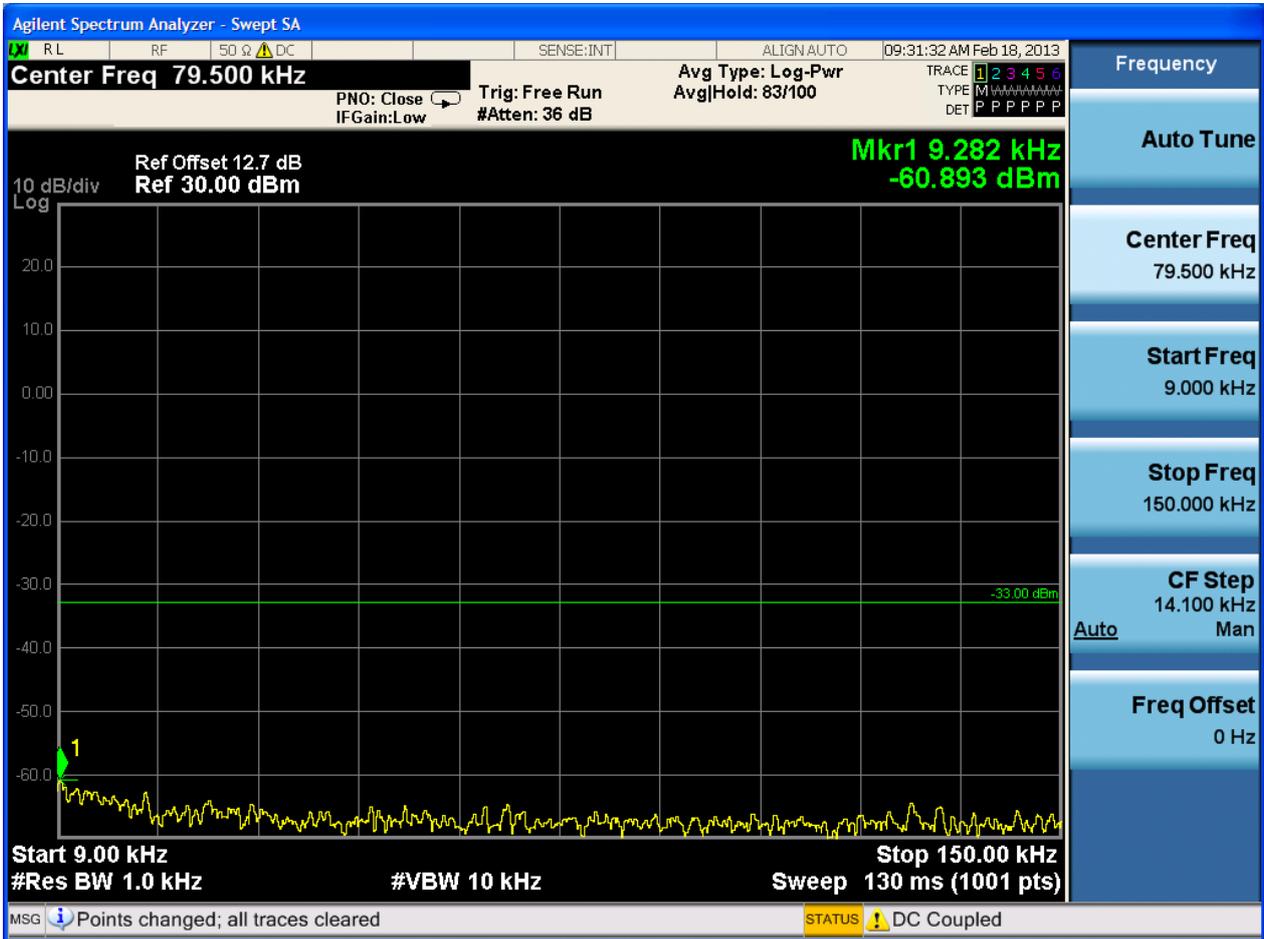


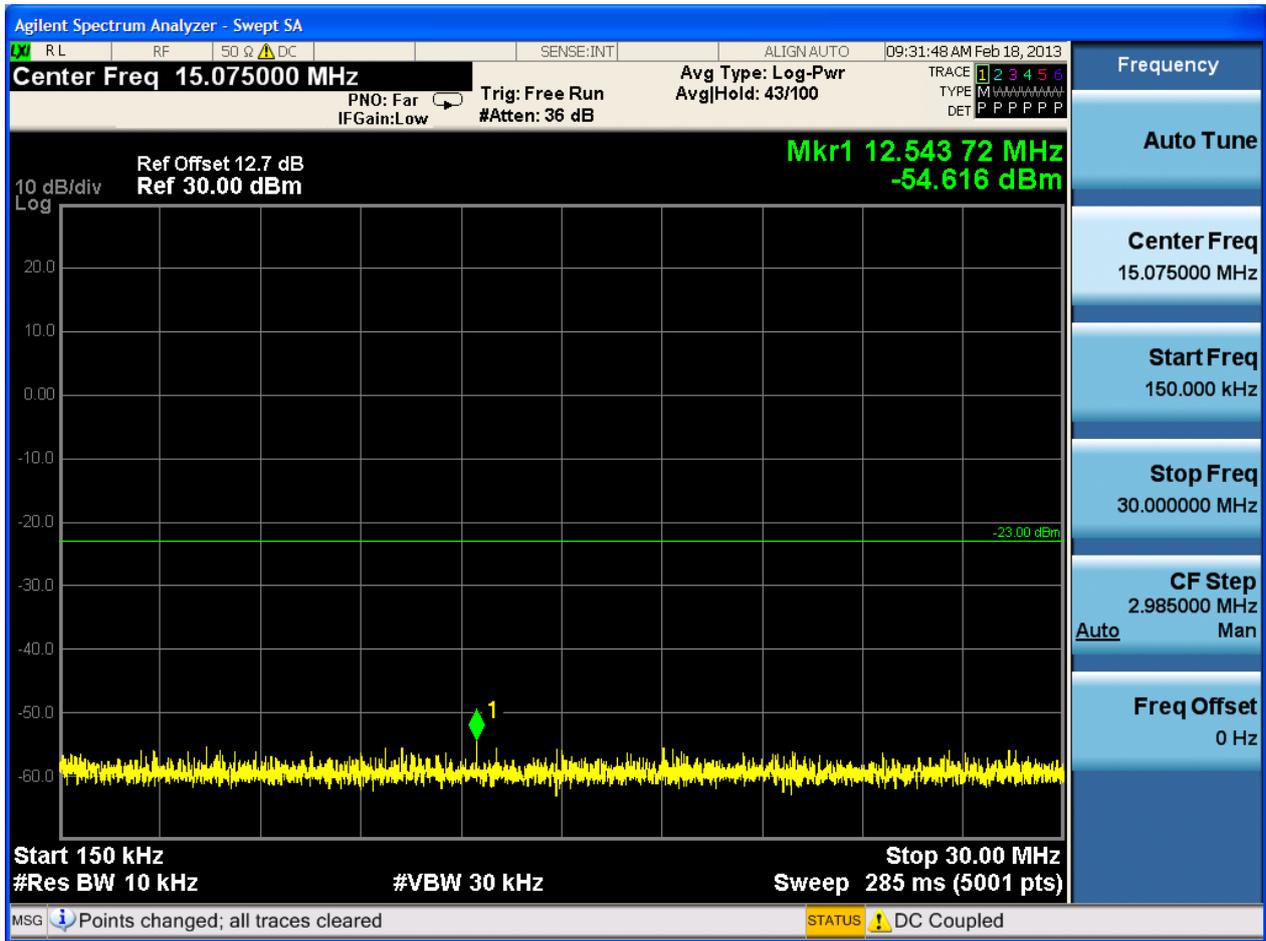


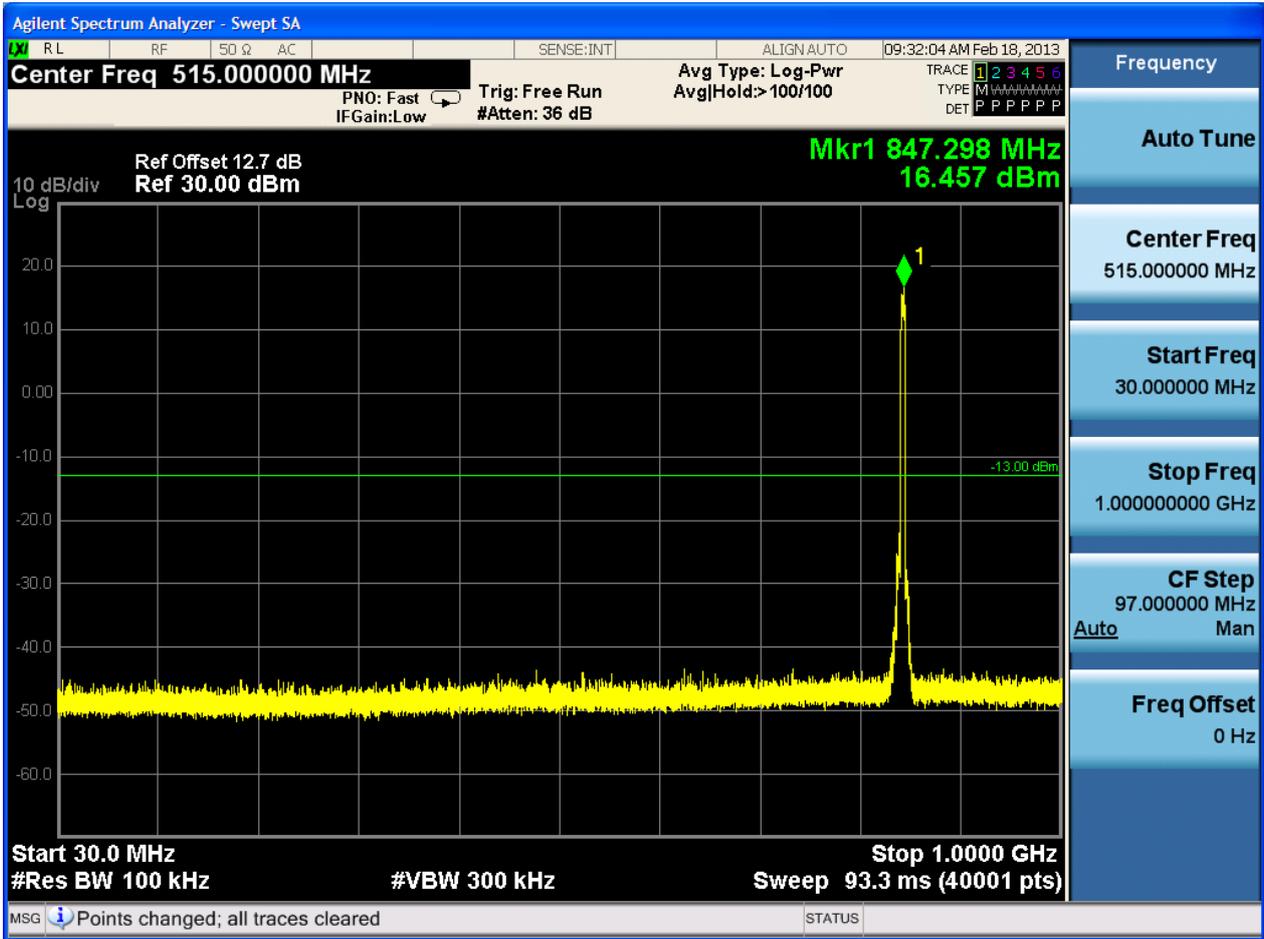


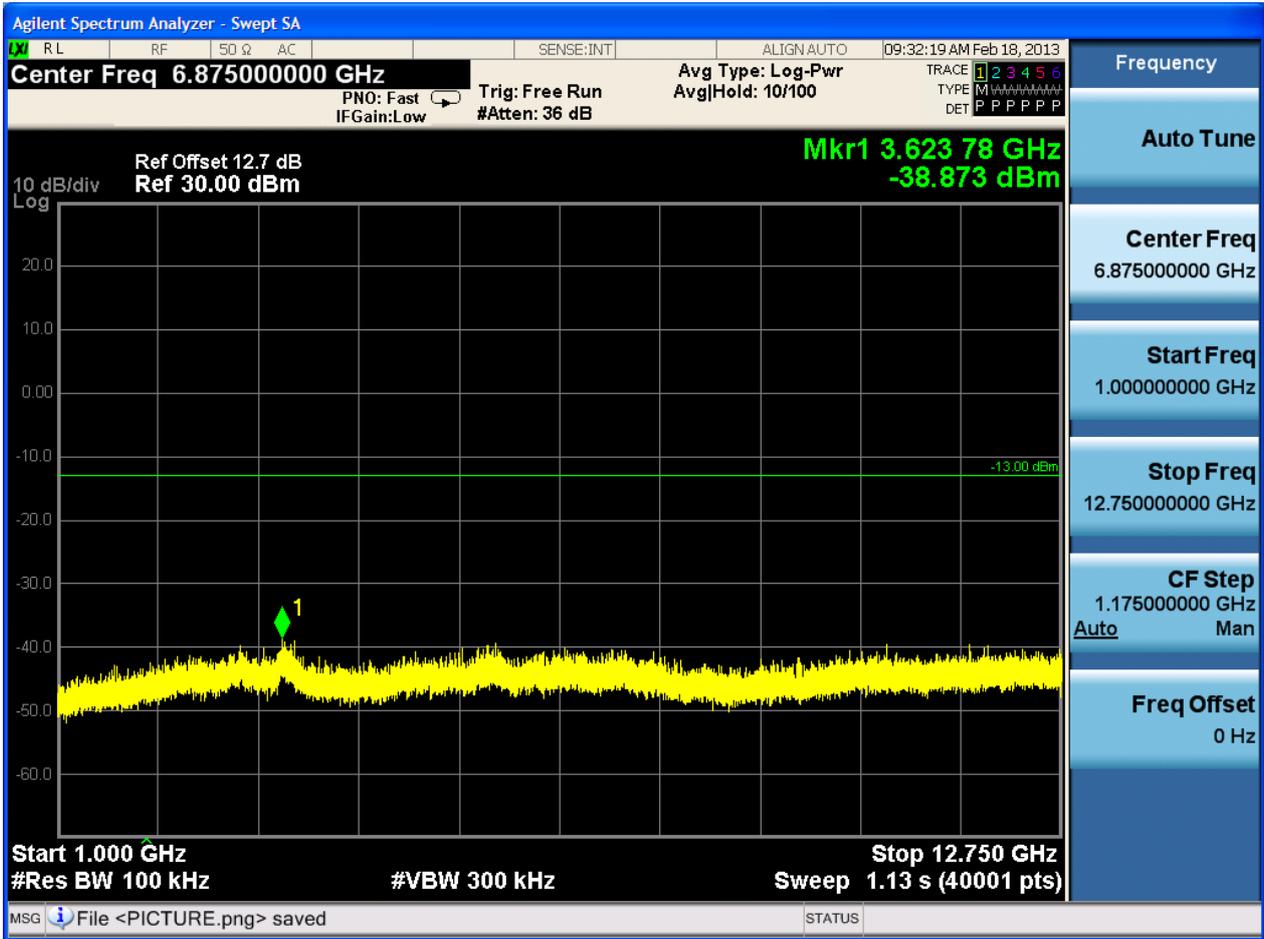


6.2.1.1.3 Test Channel = HCH







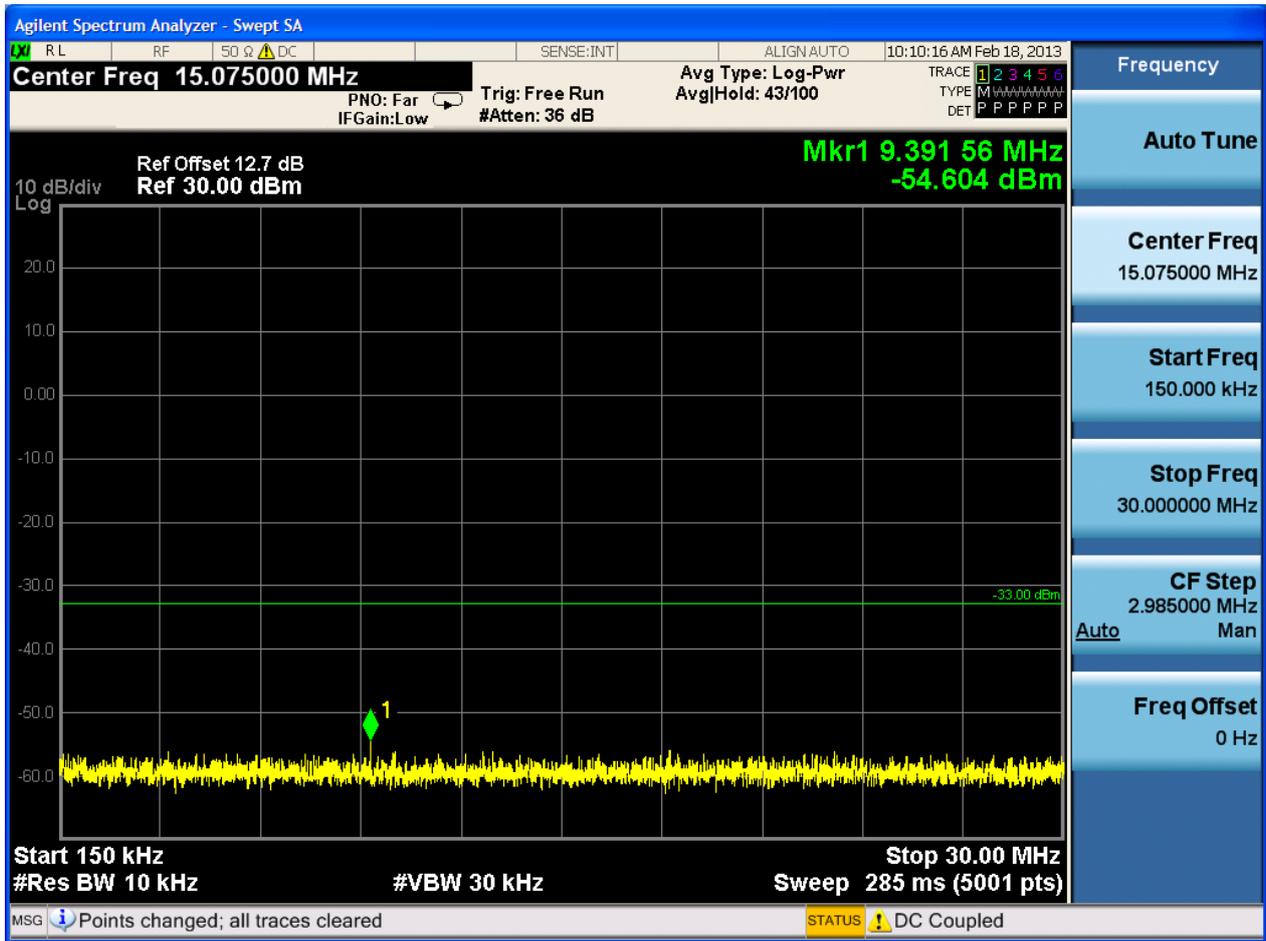


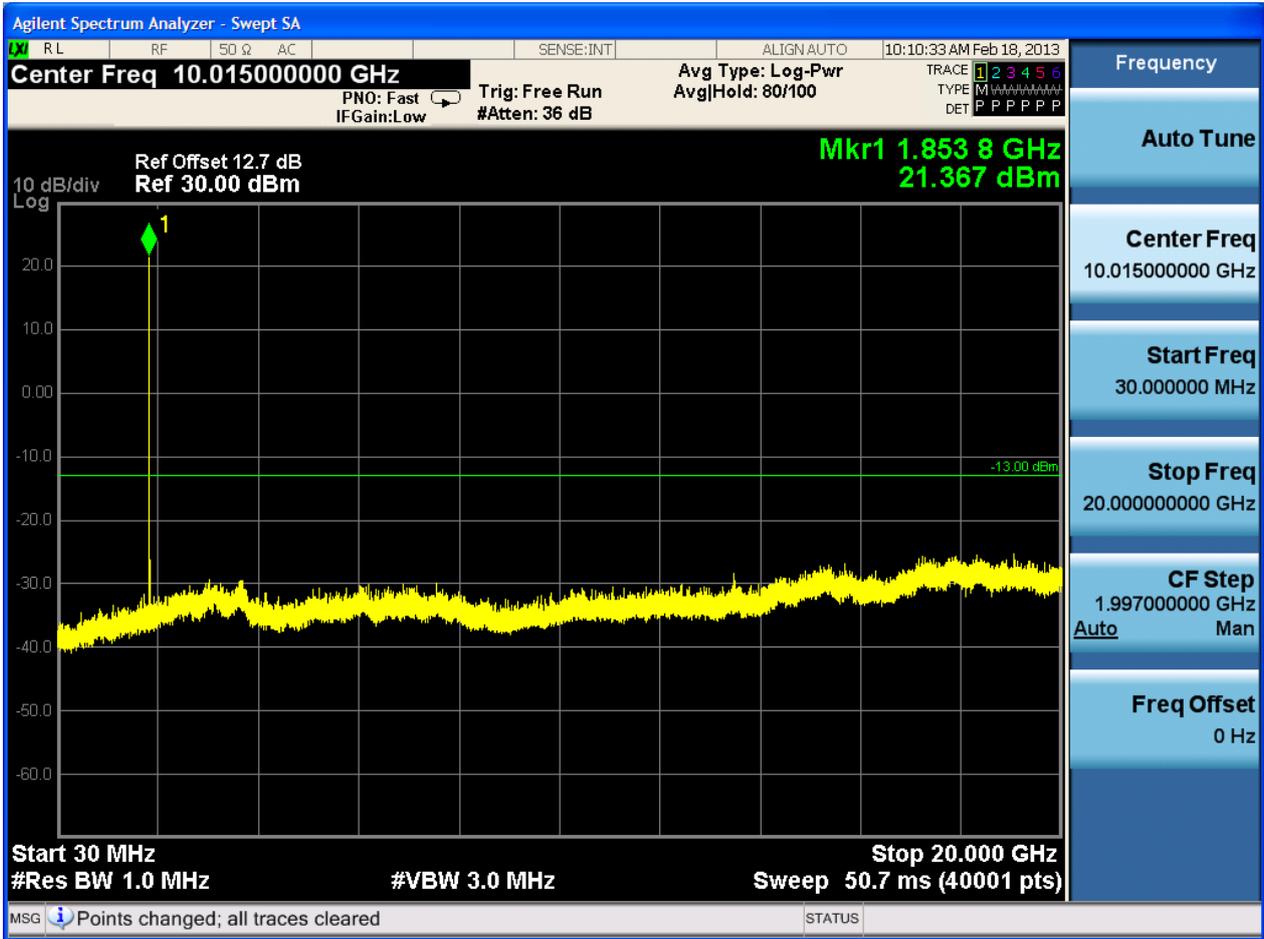
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH

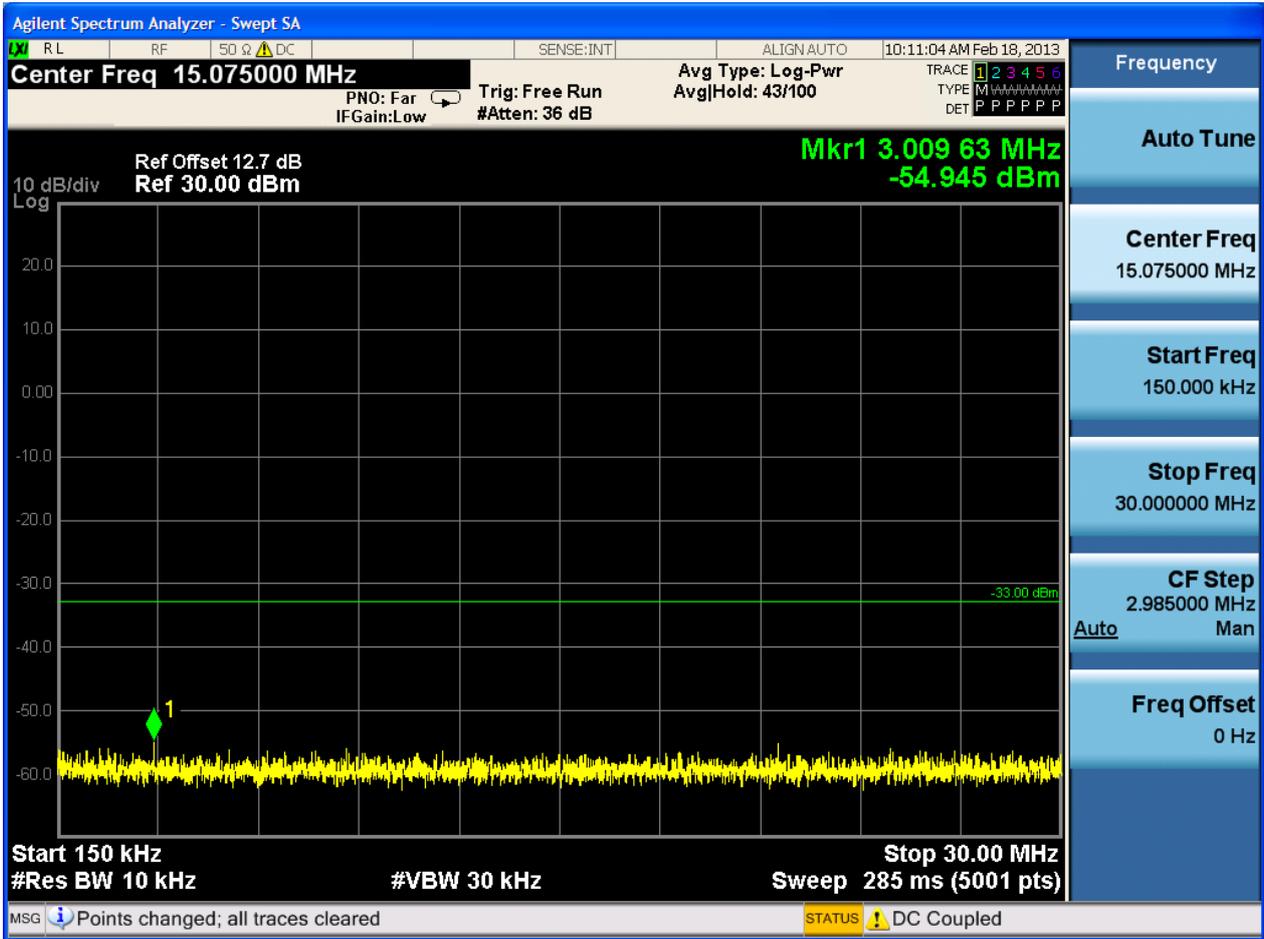






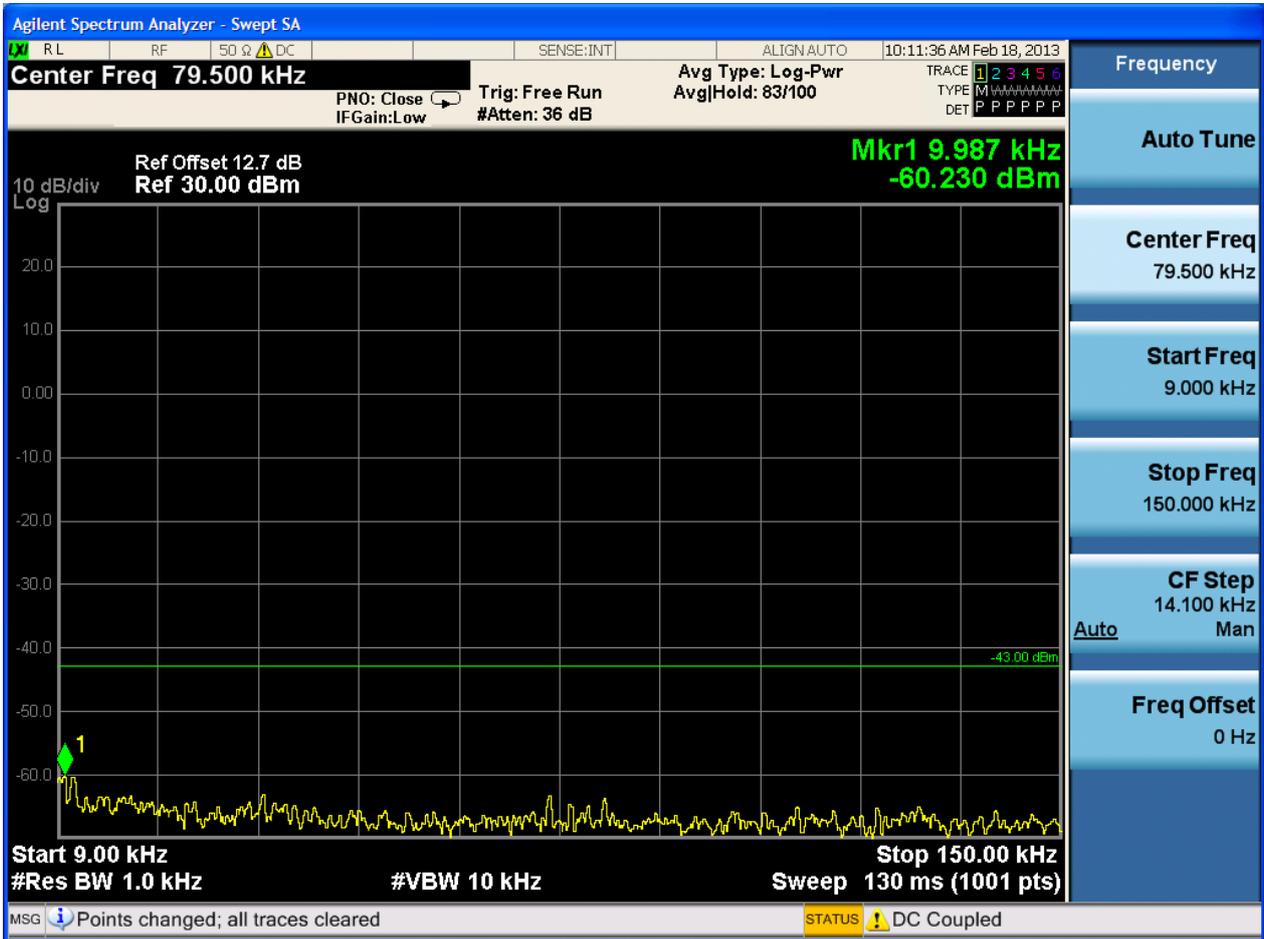
6.2.2.1.2 Test Channel = MCH

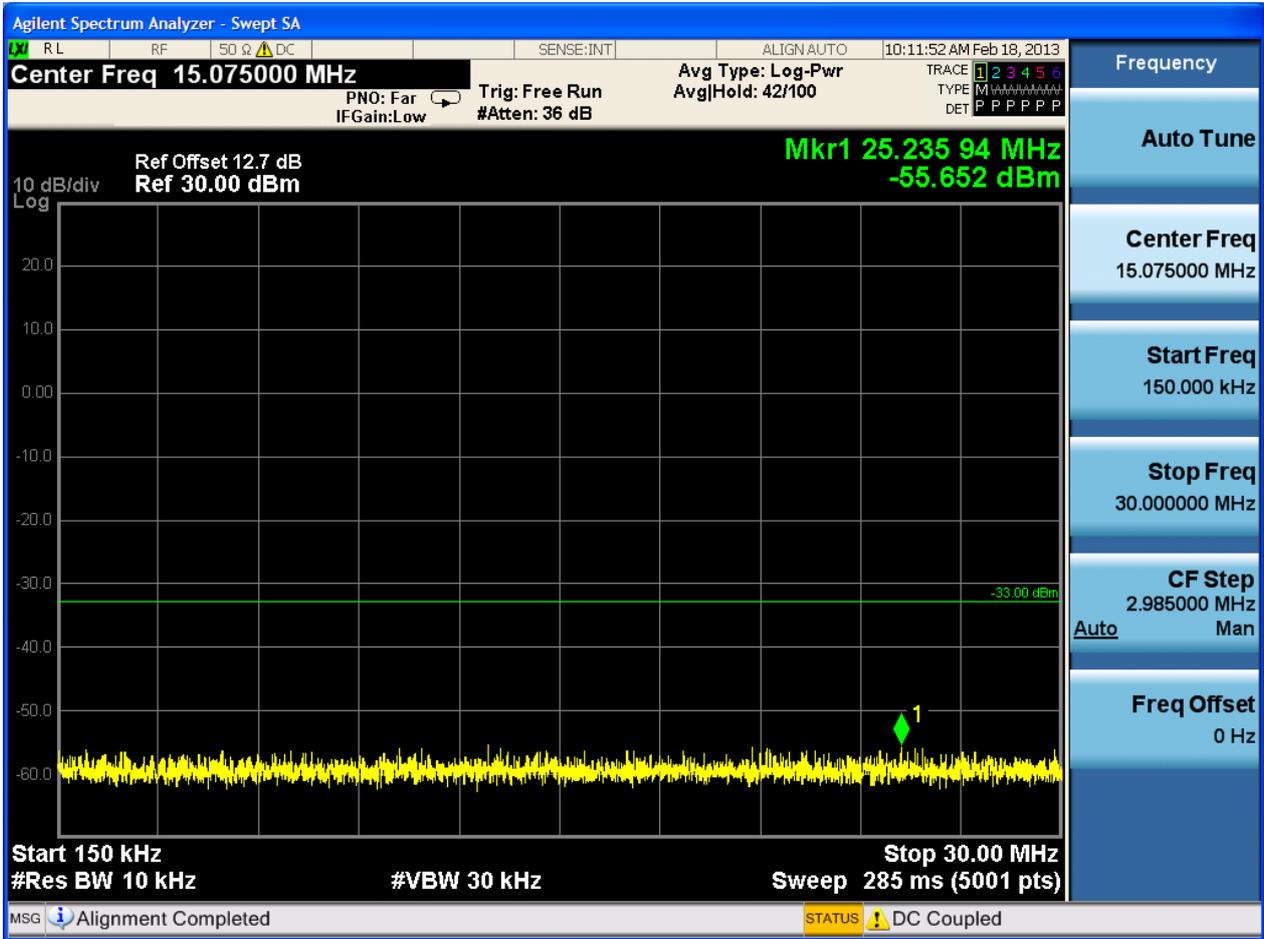


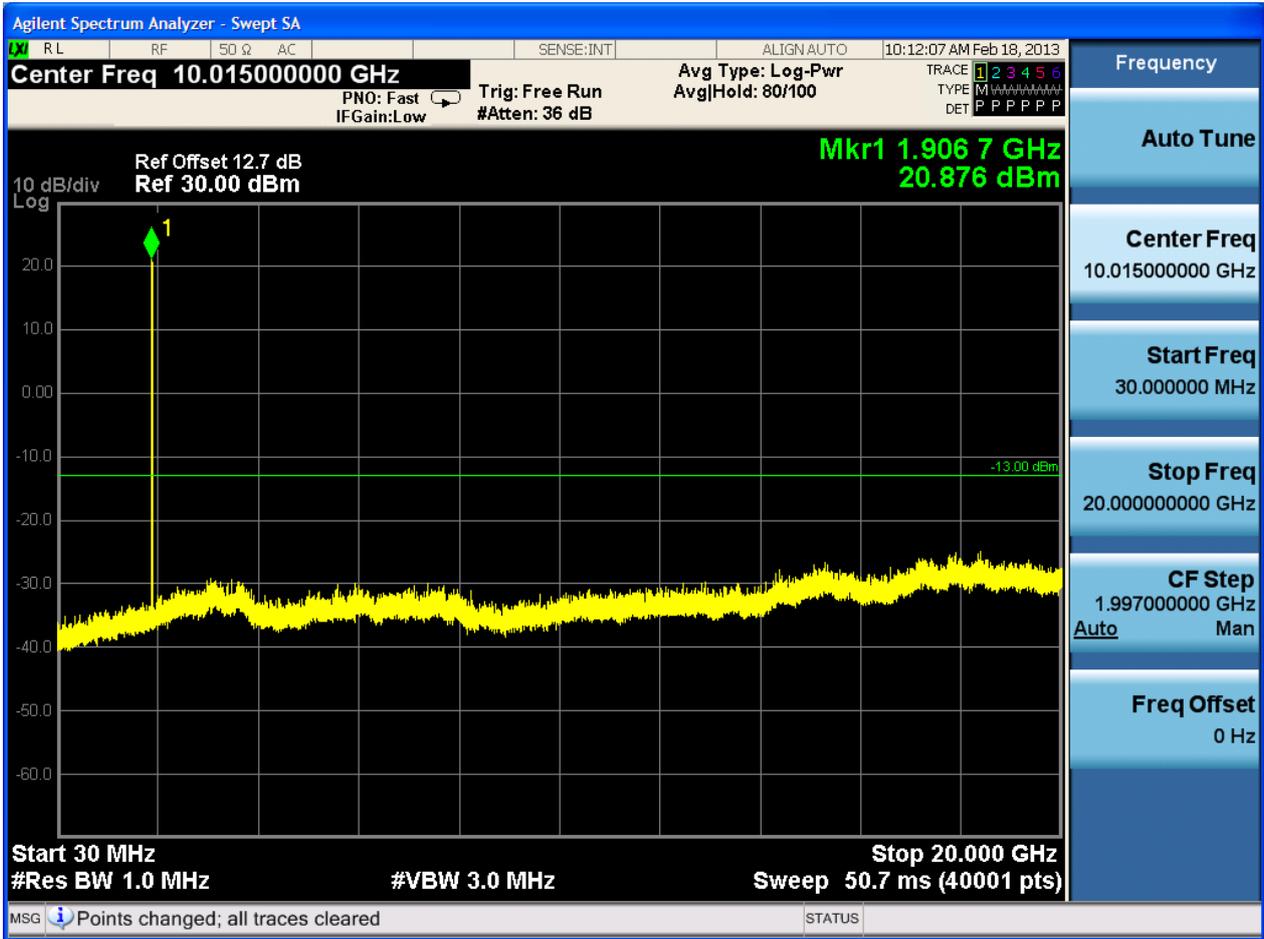




6.2.2.1.3 Test Channel = HCH







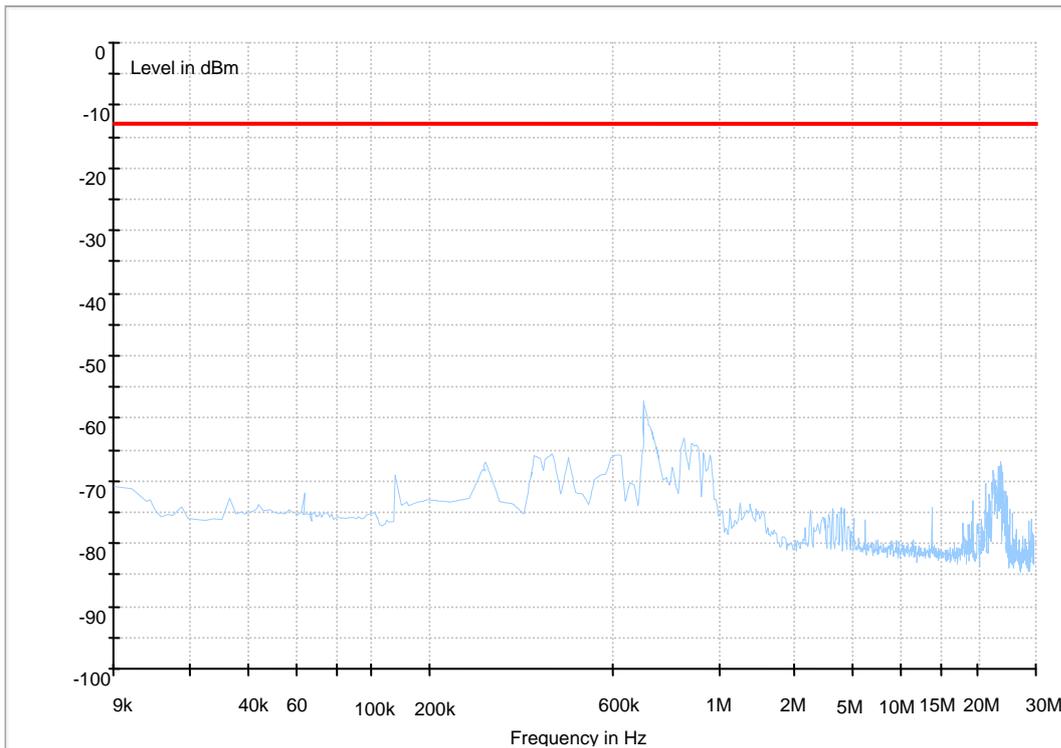
7Appendix_G: Field Strength of Spurious Radiation

7.1For GSM

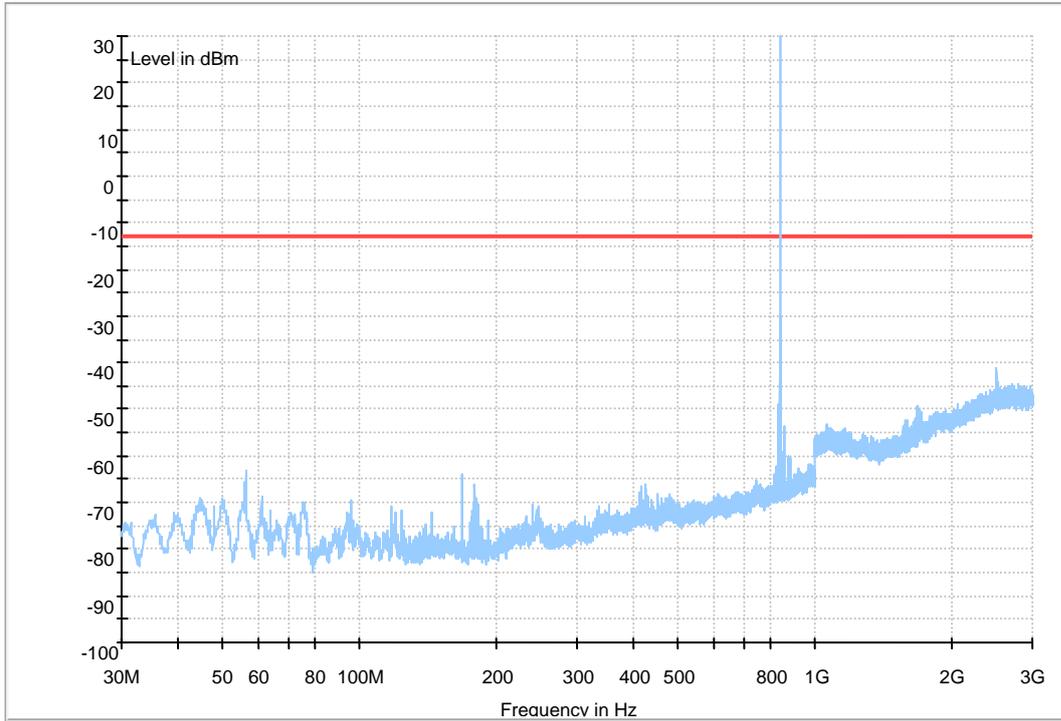
7.1.1Test Band=GSM850

7.1.1.1Test mode=GSM/TM1

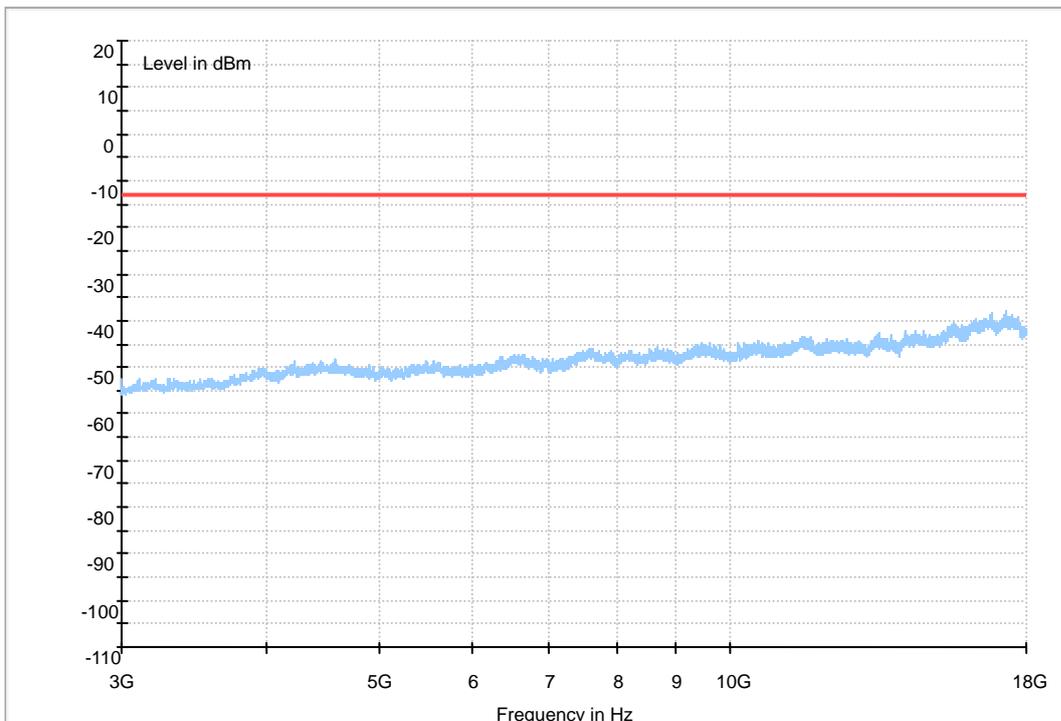
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

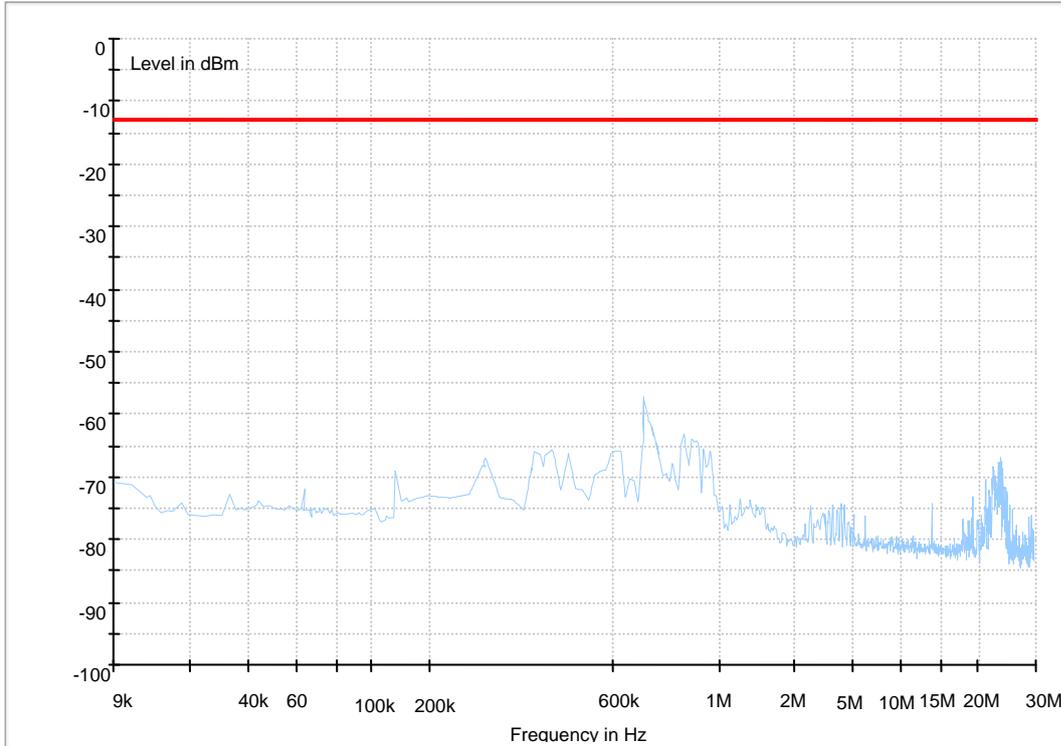


Traffic Mode (3GHz-18GHz)

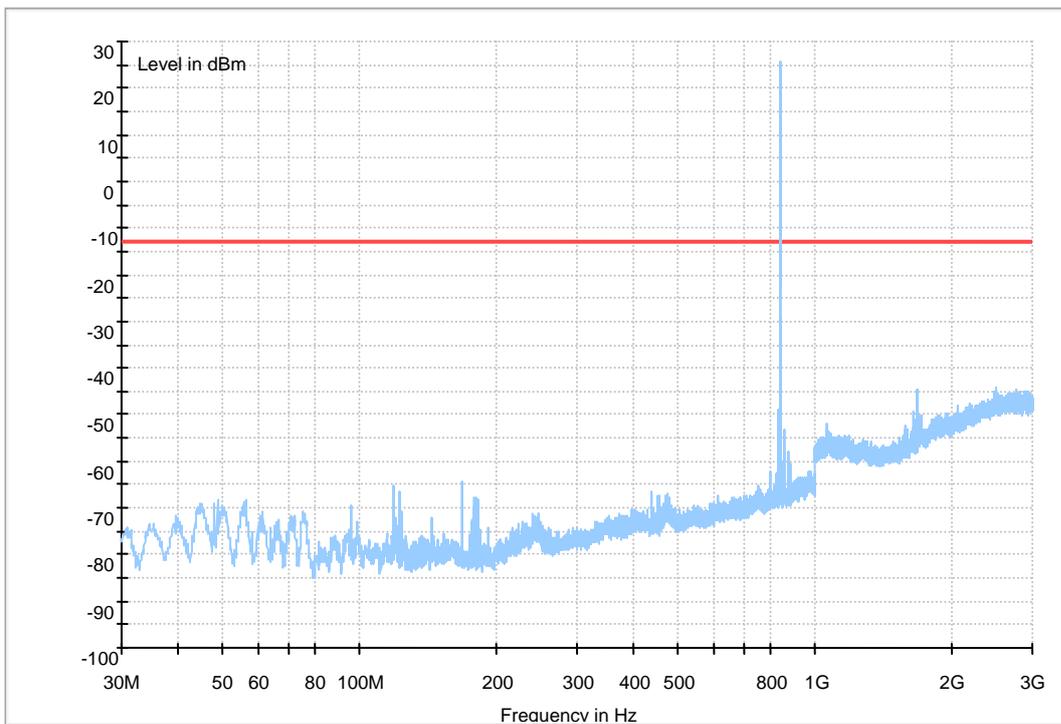


7.1.1.2 Test mode=GSM/TM2

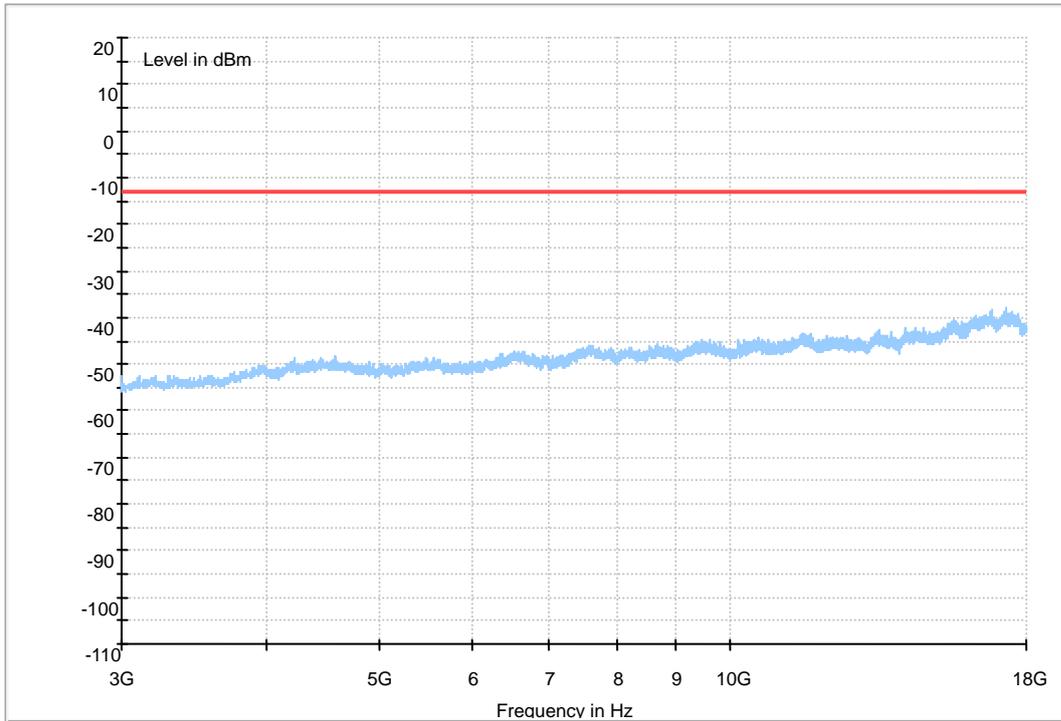
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



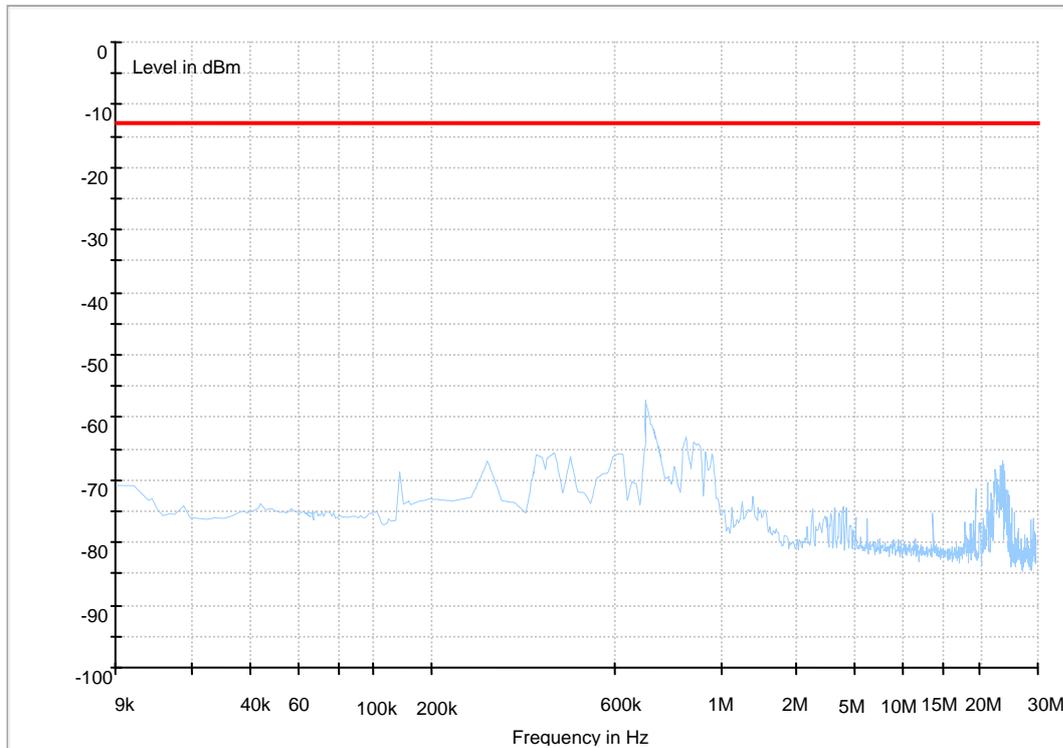
Traffic Mode (3GHz-18GHz)



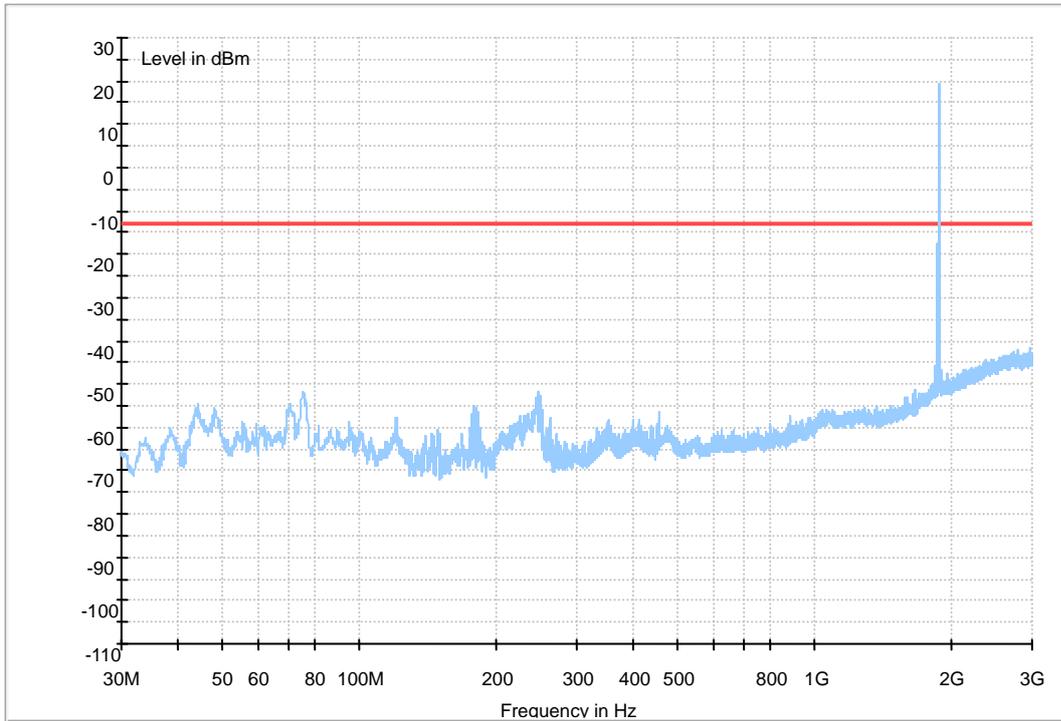
7.1.2 Test Band=GSM1900

7.1.2.1 Test mode=GSM/TM1

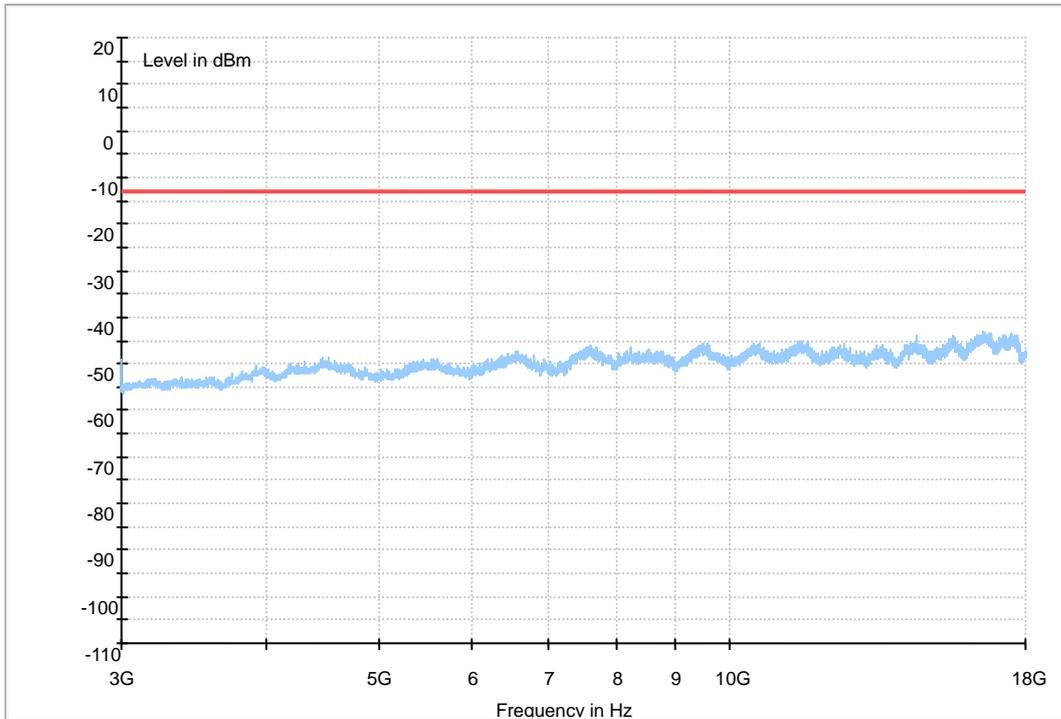
Traffic Mode (9kHz-30MHz)



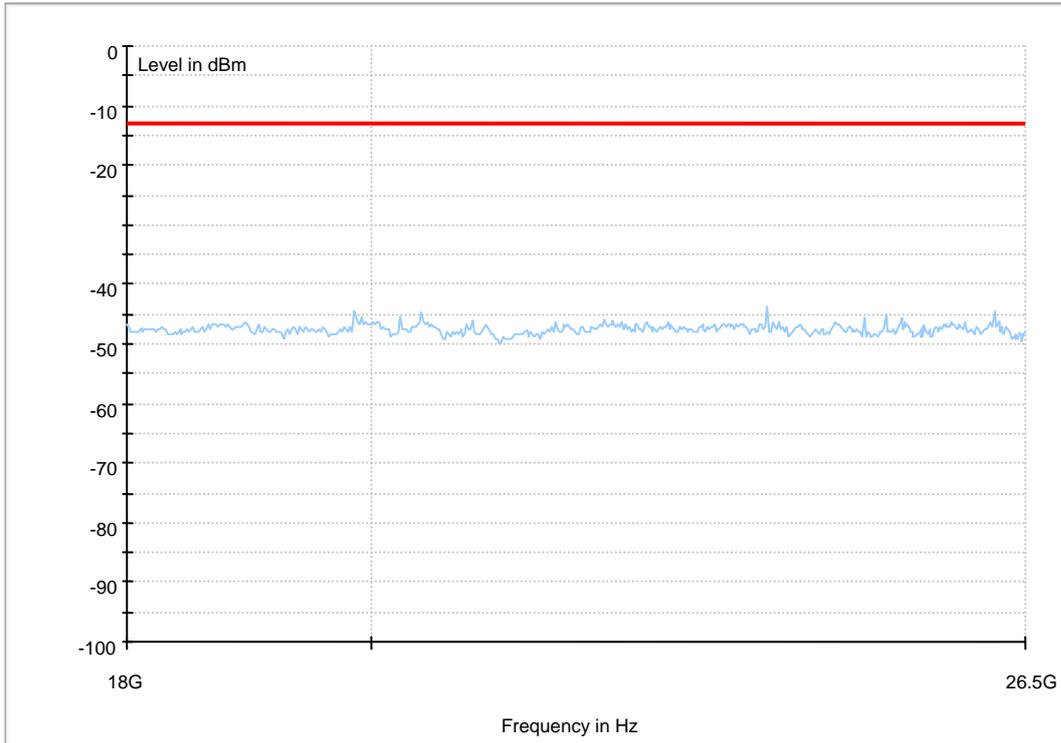
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

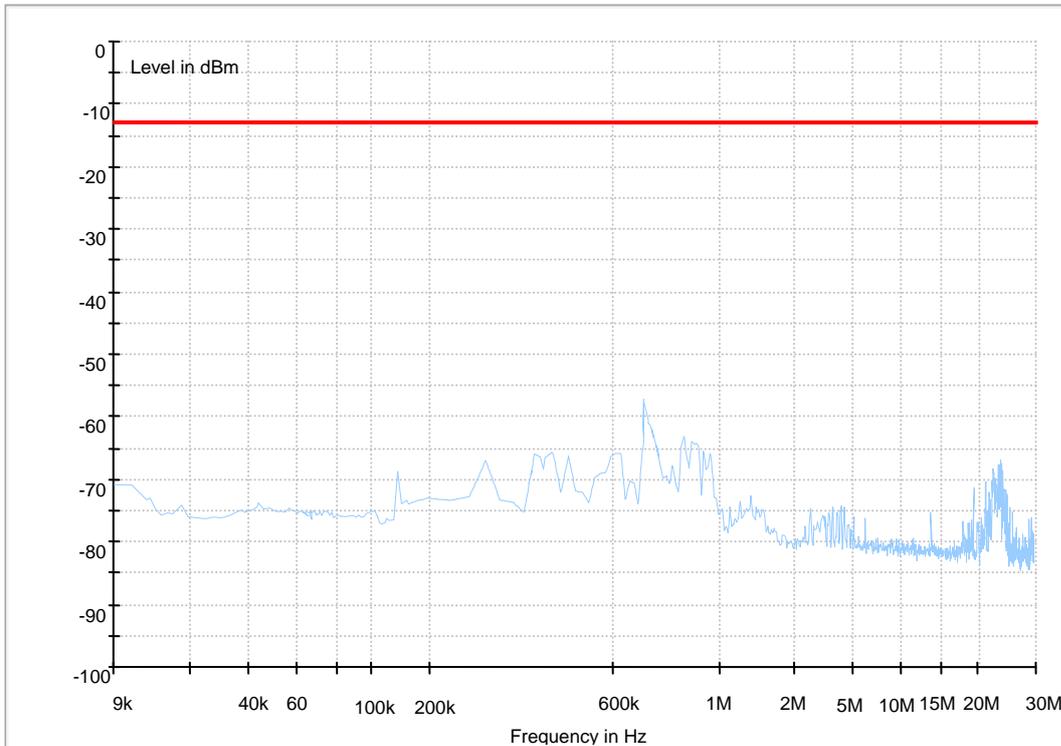


Traffic Mode (18GHz-26.5GHz)

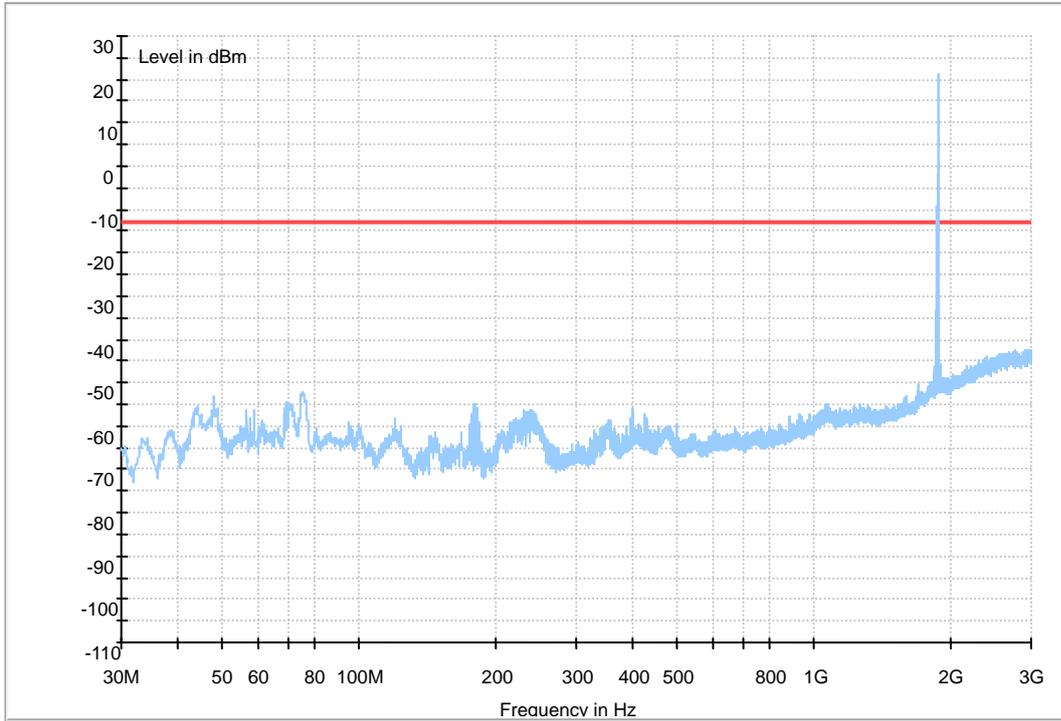


7.1.2.2 Test mode=GSM/TM2

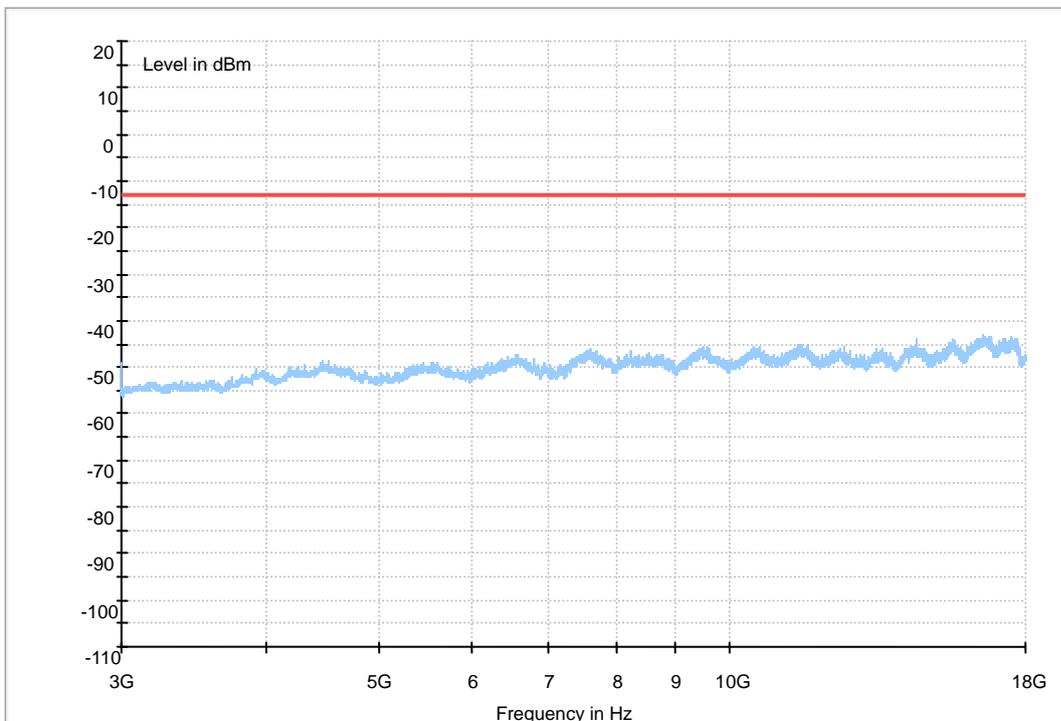
Traffic Mode (9kHz-30MHz)



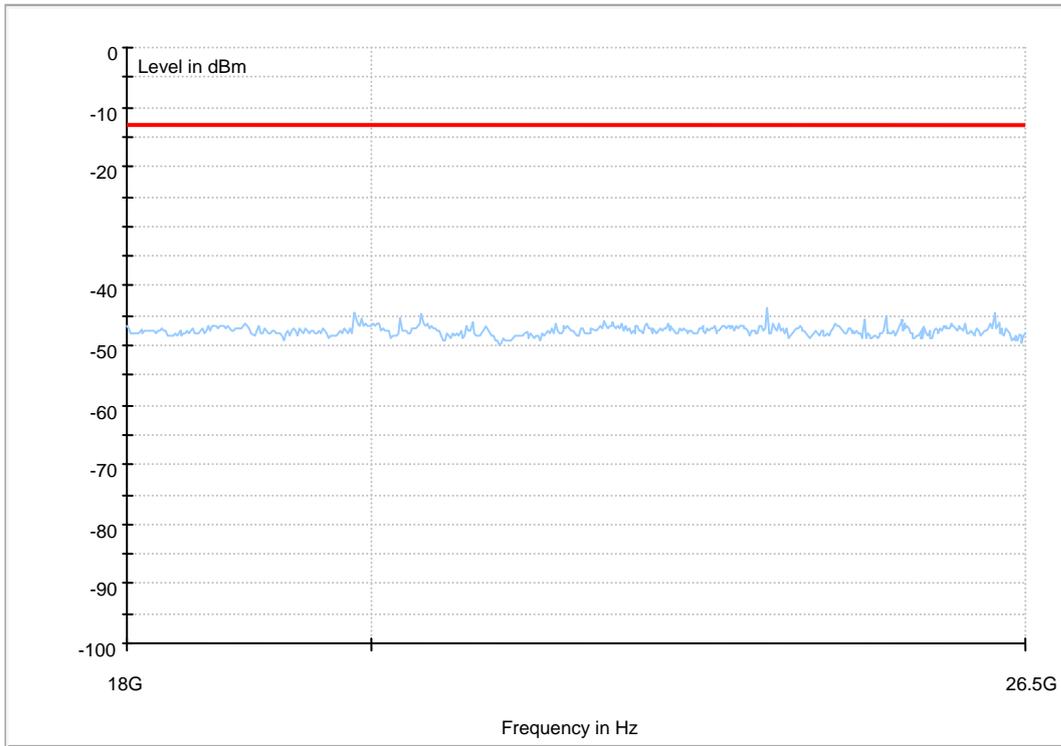
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)

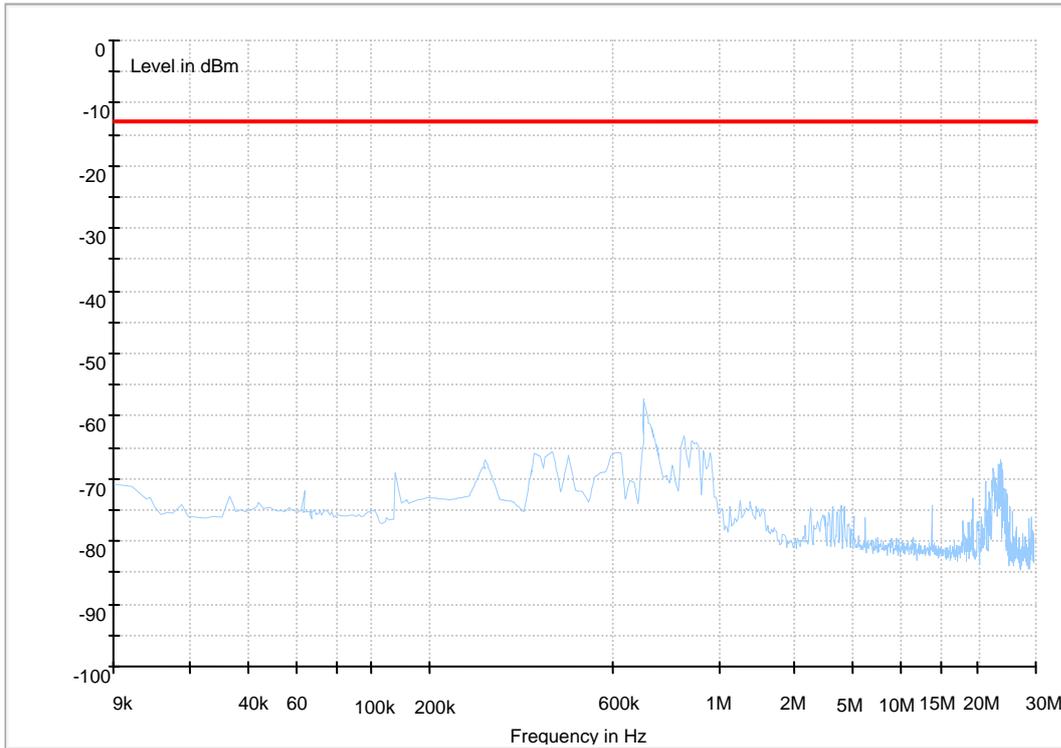


7.2 For UMTS

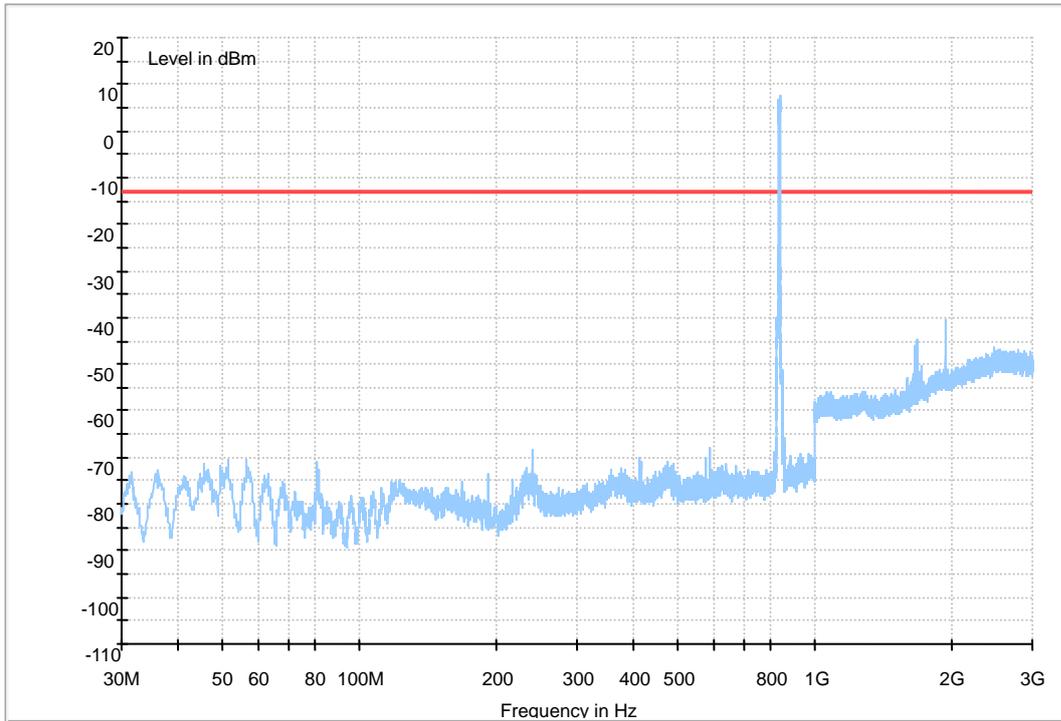
7.2.1 Test Band=WCDMA850

7.2.1.1 Test mode=UMTS/TM1

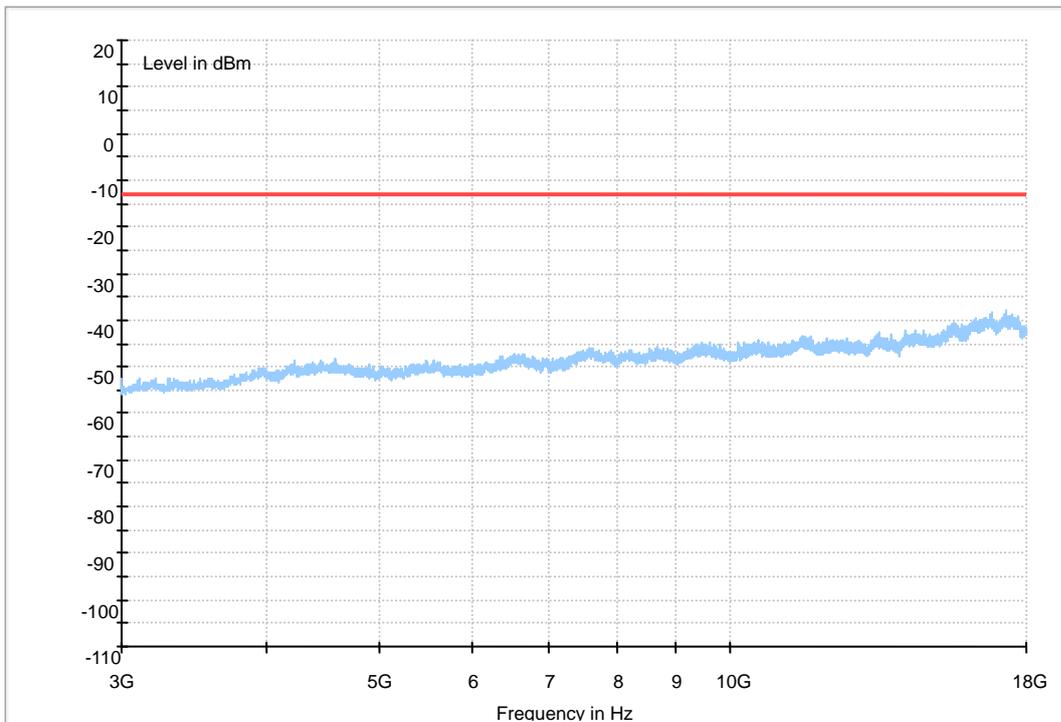
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

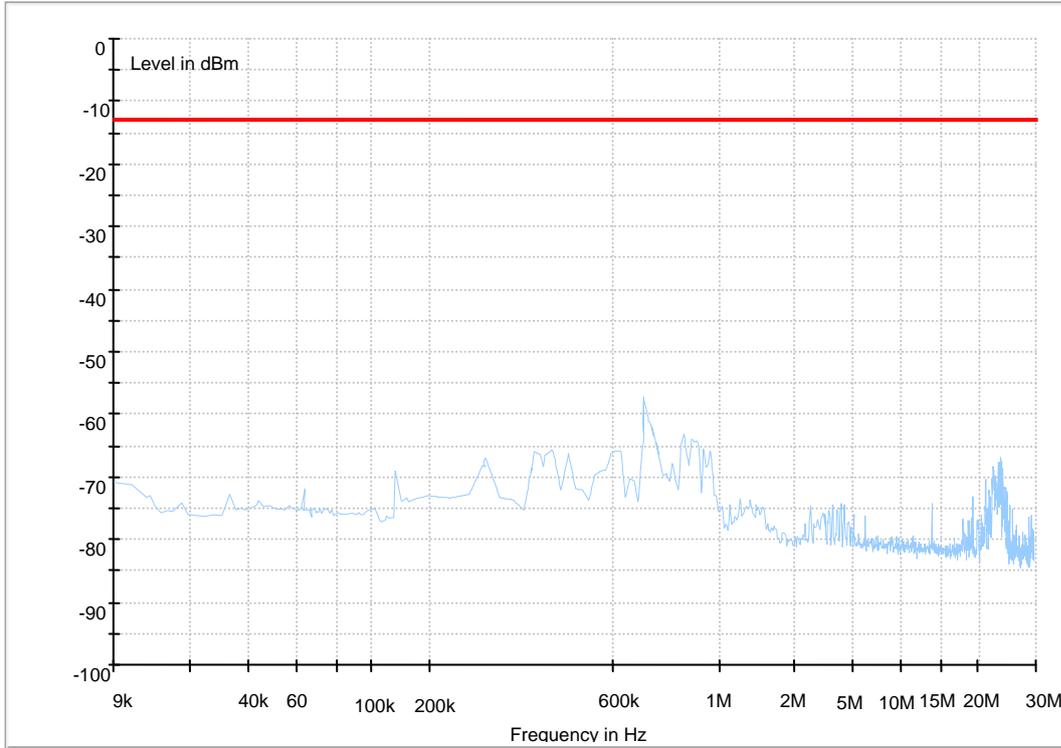


Traffic Mode (3GHz-18GHz)

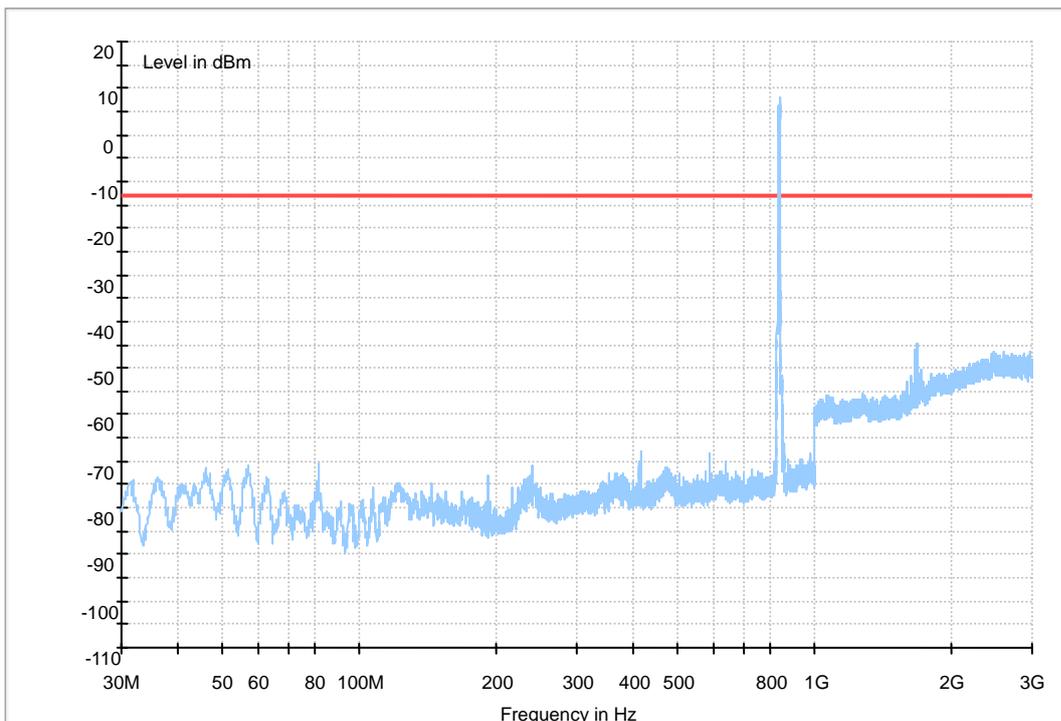


7.2.1.2 Test mode=UMTS/TM2

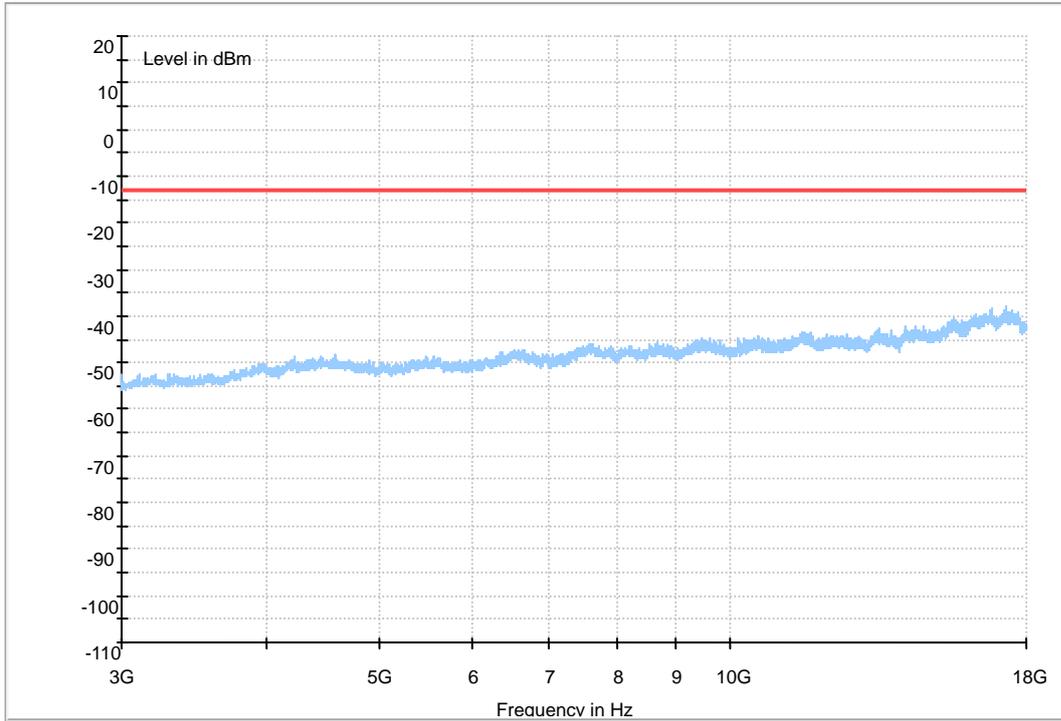
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

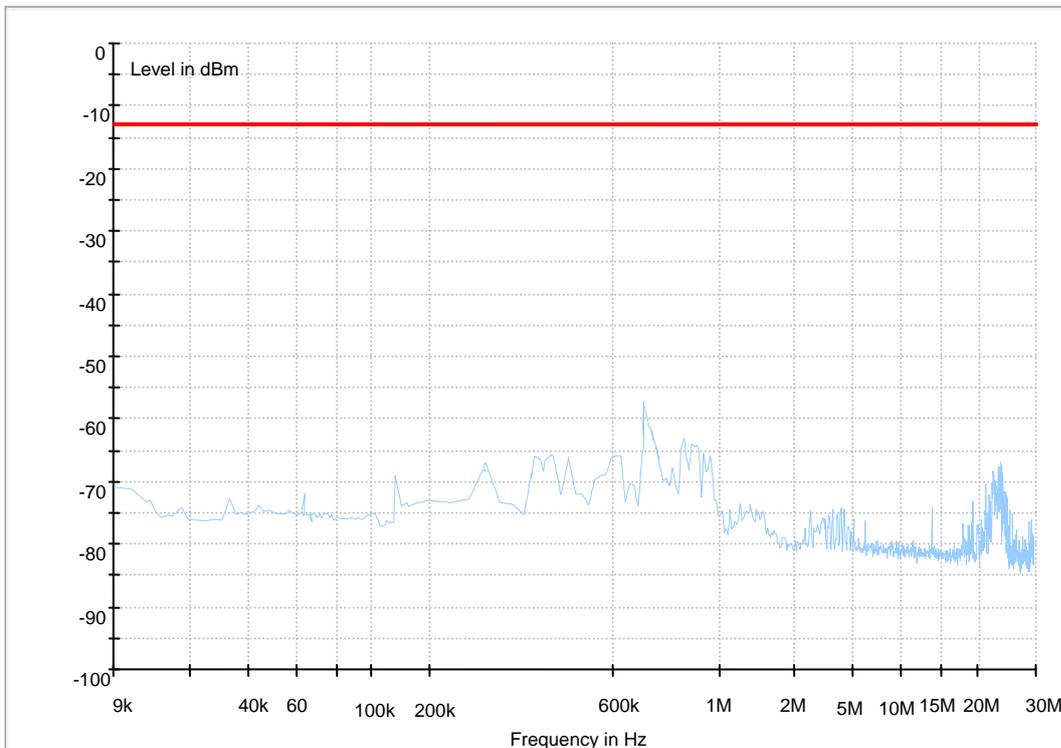


Traffic Mode (3GHz-18GHz)

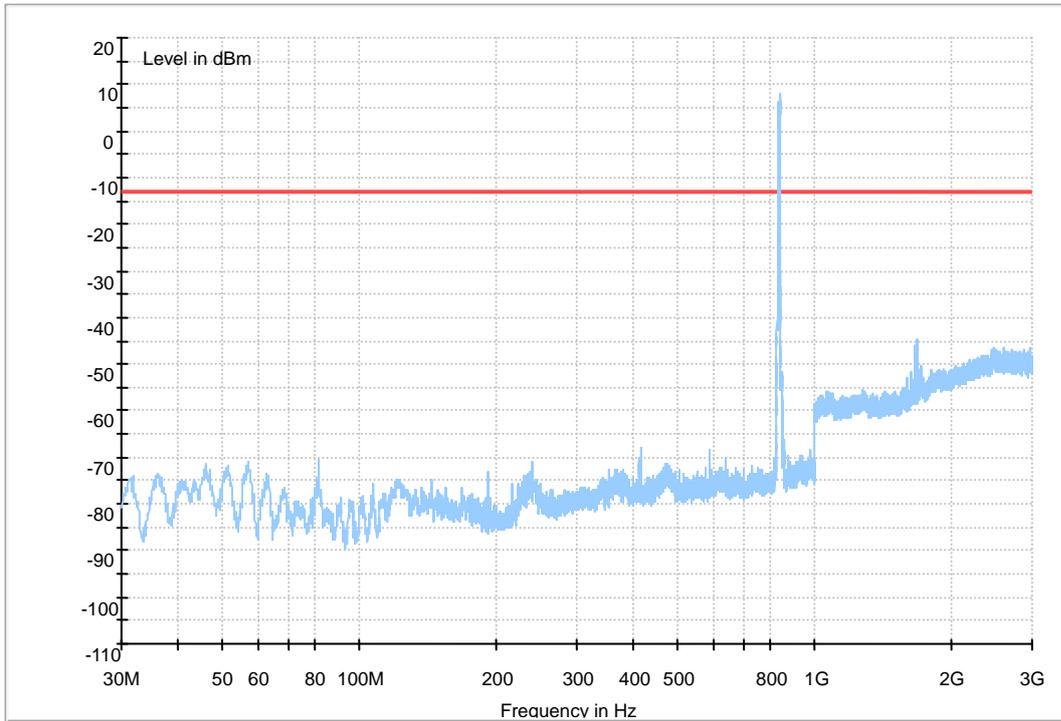


7.2.1.3 Test mode=UMTS/TM3

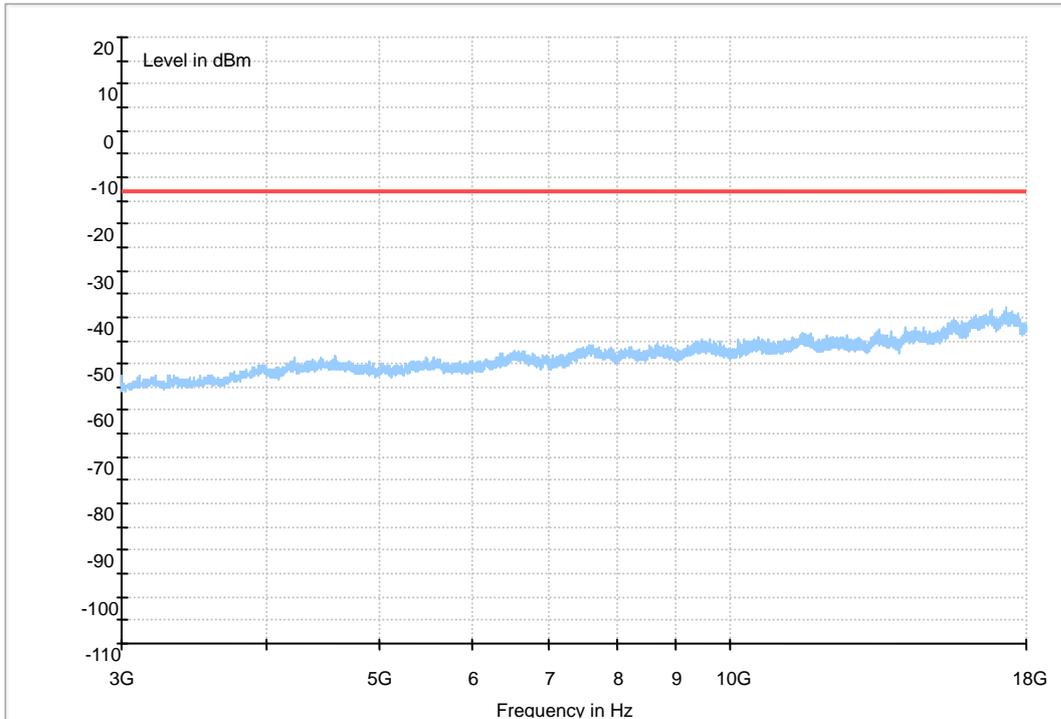
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



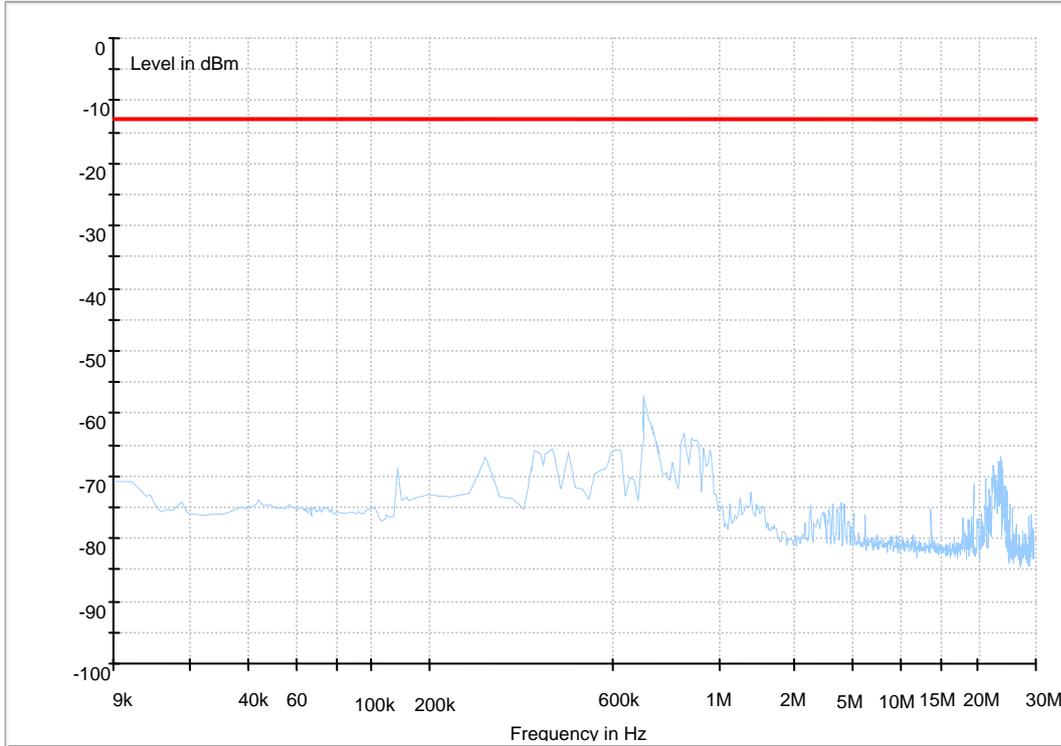
Traffic Mode (3GHz-18GHz)



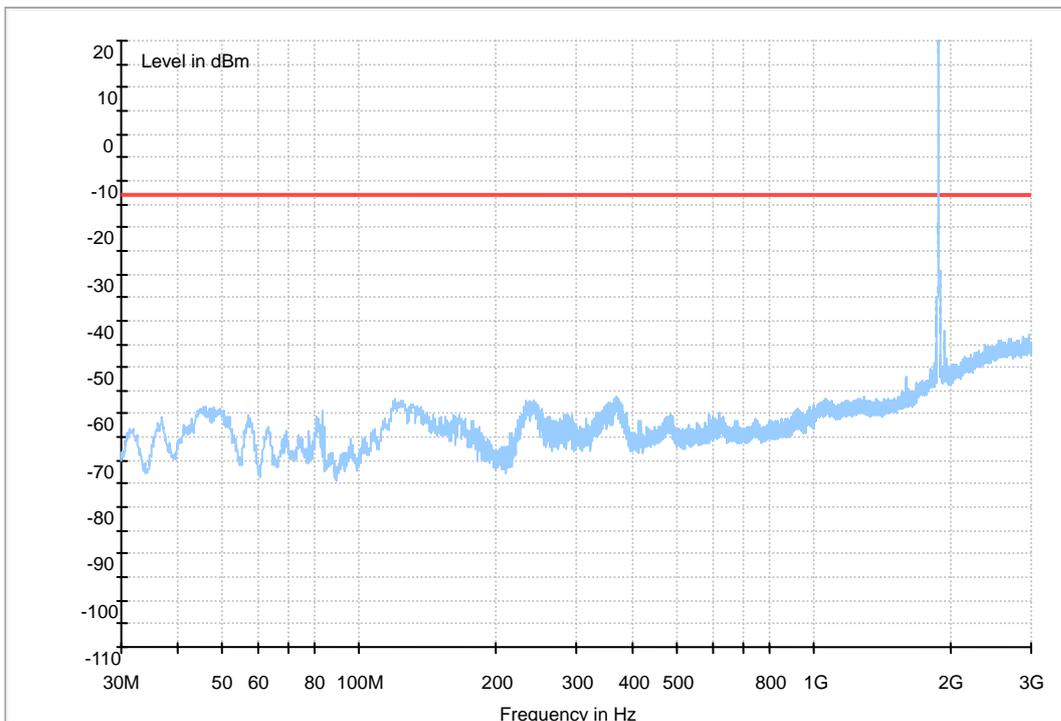
7.2.2 Test Band=WCDMA1900

7.2.2.1 Test mode=UMTS/TM1

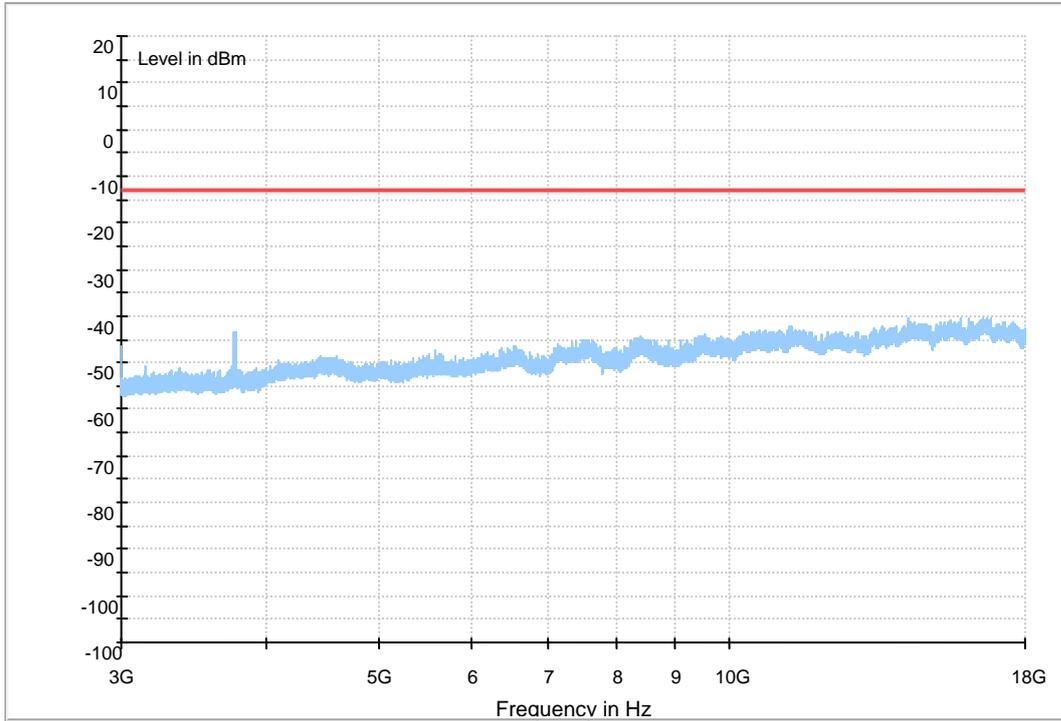
Traffic Mode (9kHz-30MHz)



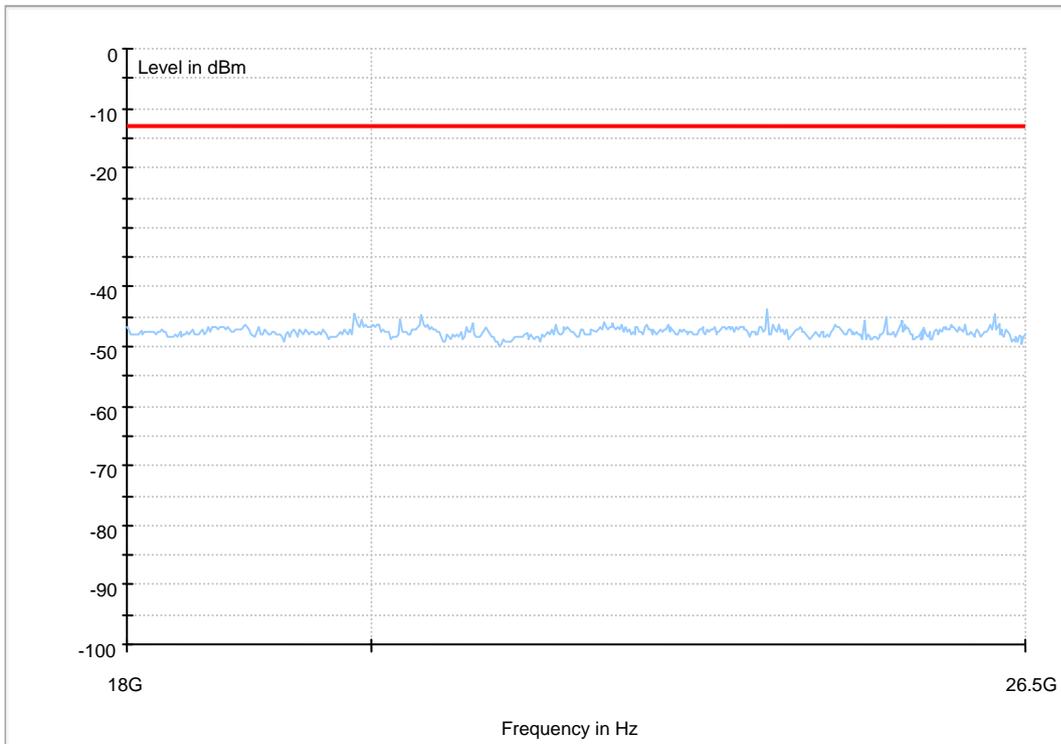
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

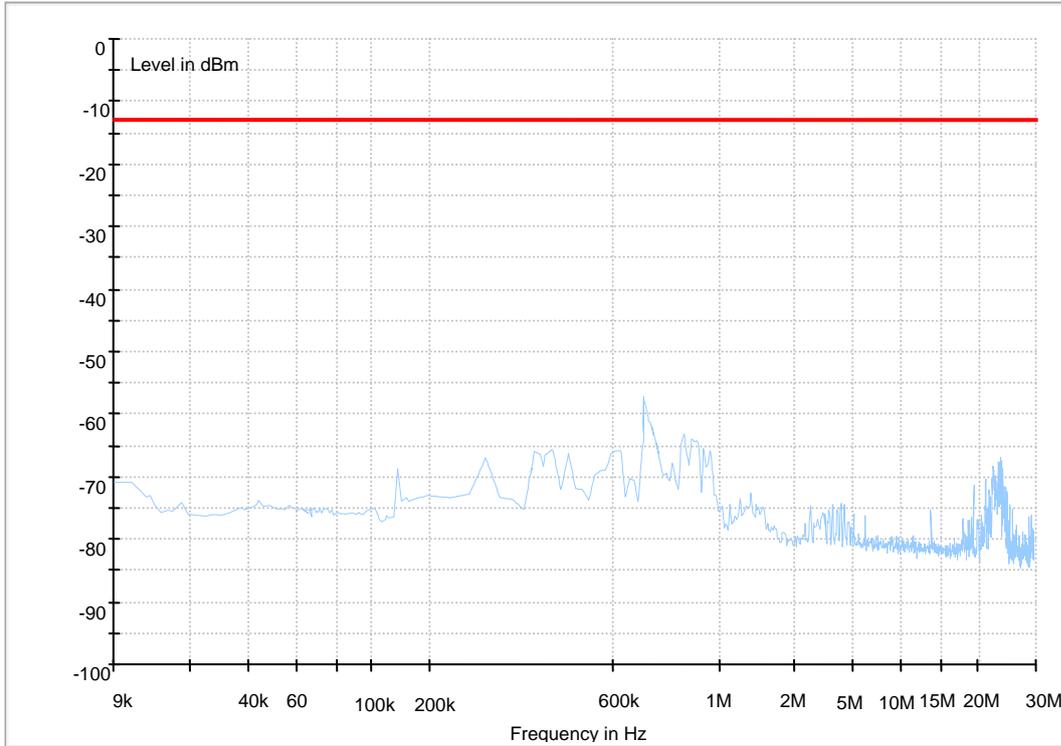


Traffic Mode (18GHz-26.5GHz)

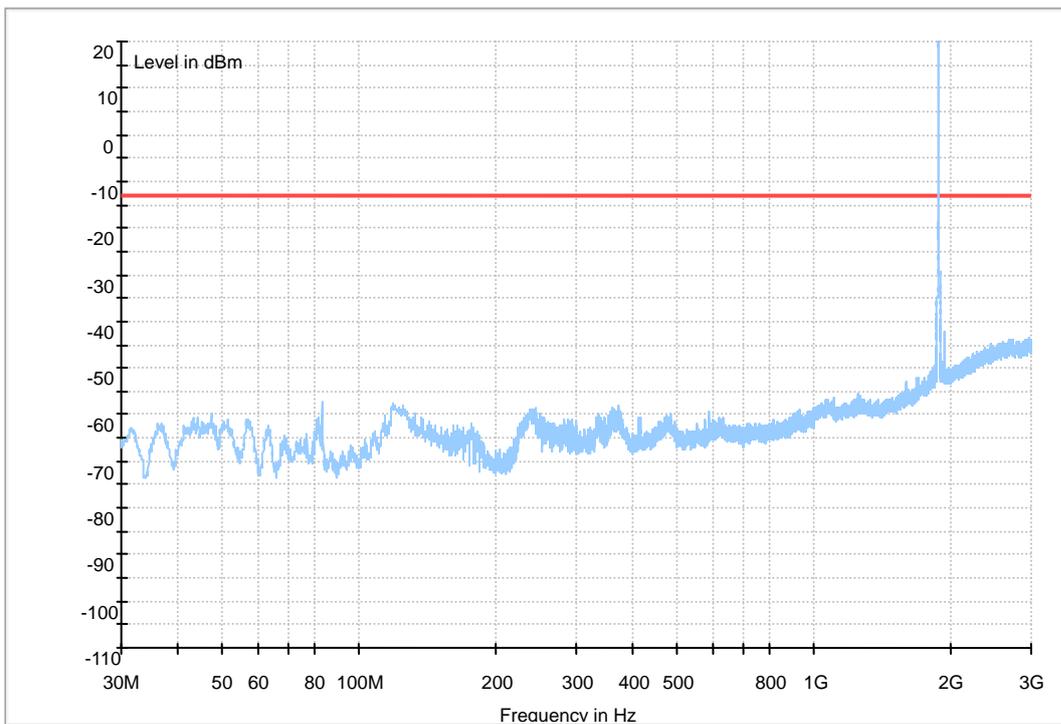


7.2.2.2 Test mode=UMTS/TM2

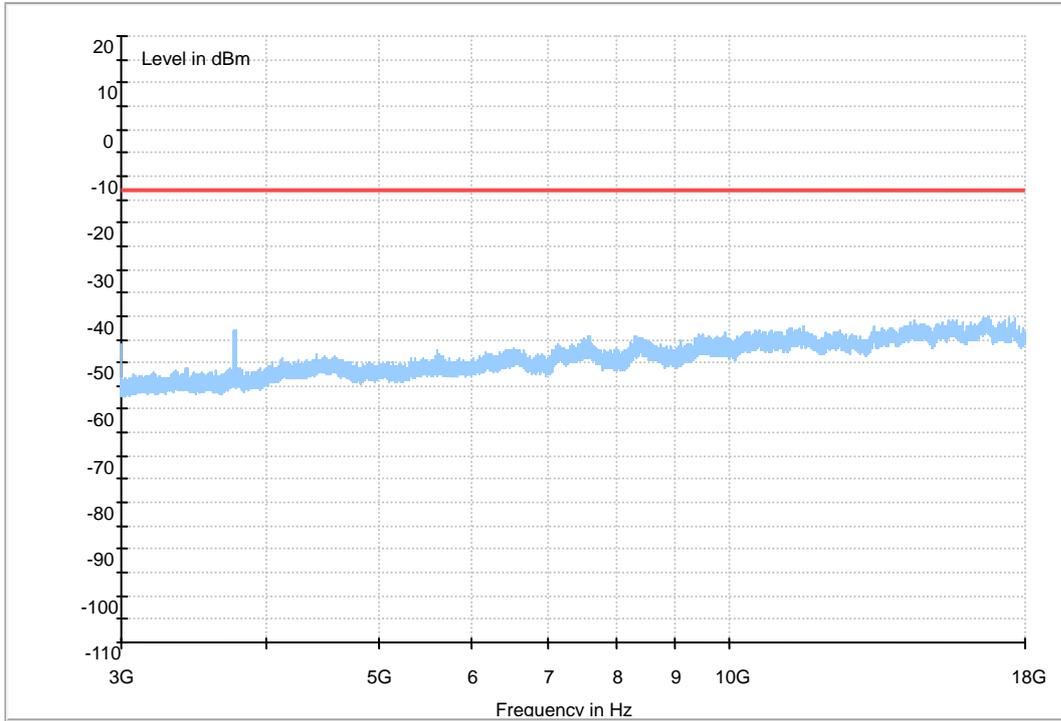
Traffic Mode (9kHz-30MHz)



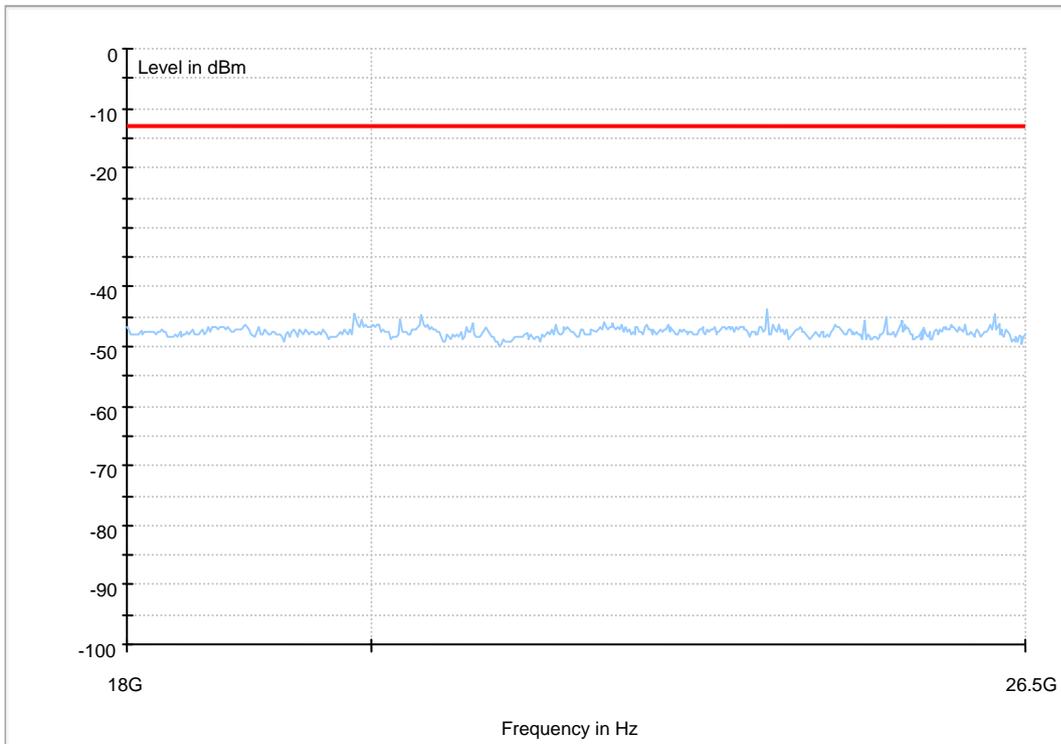
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

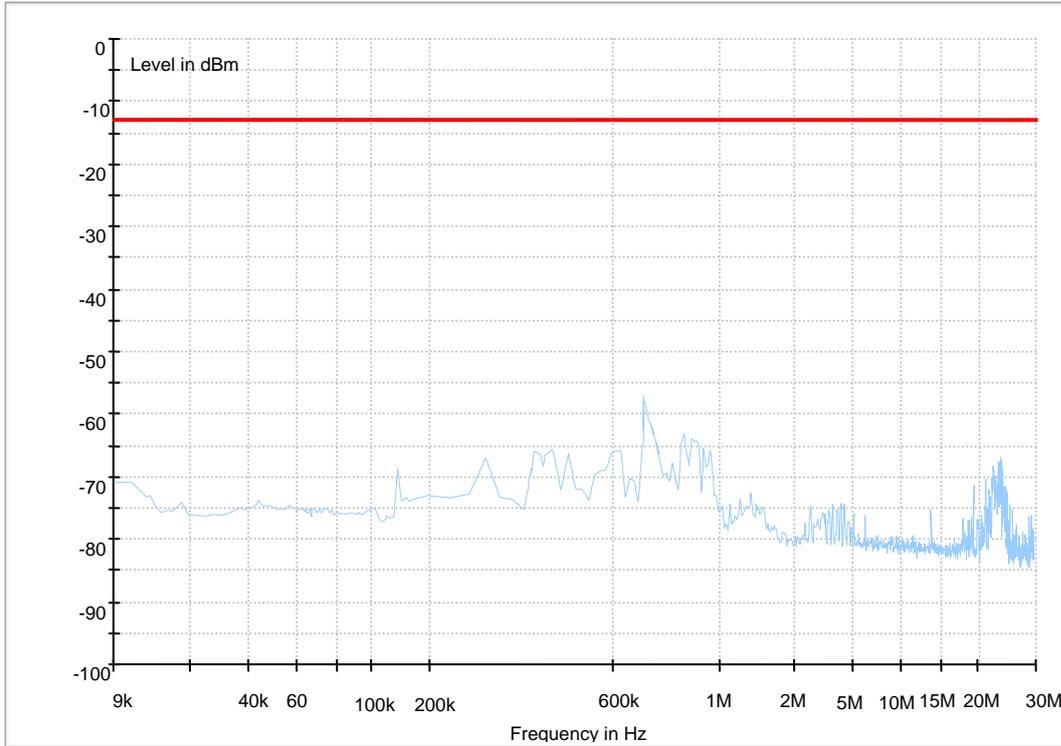


Traffic Mode (18GHz-26.5GHz)

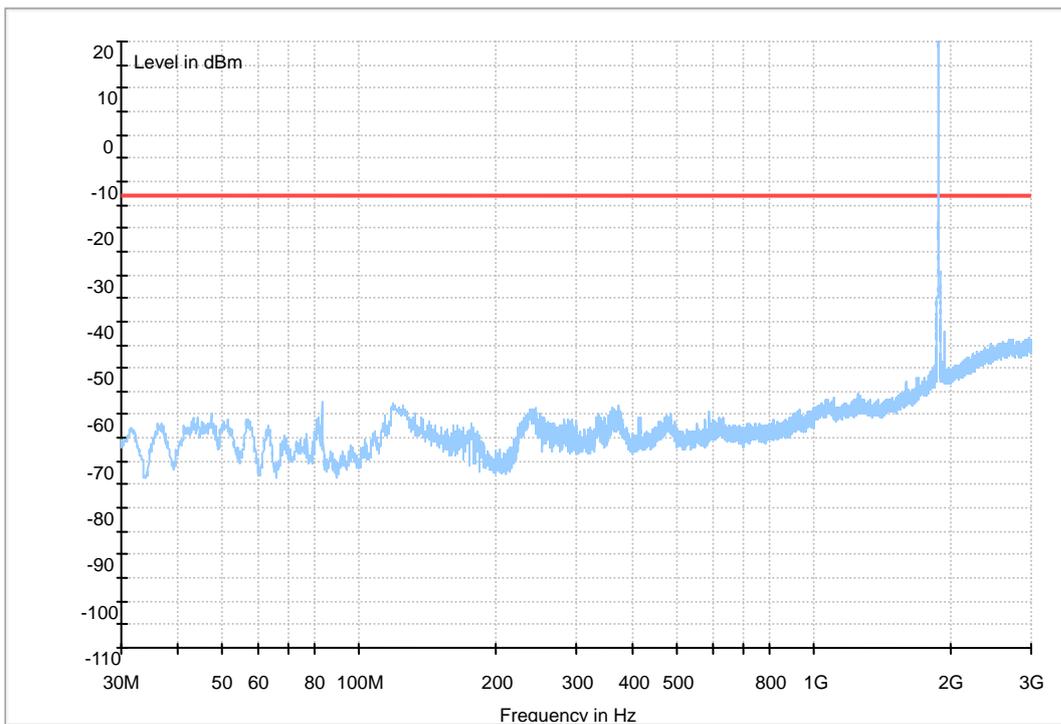


7.2.2.3 Test mode=UMTS/TM3

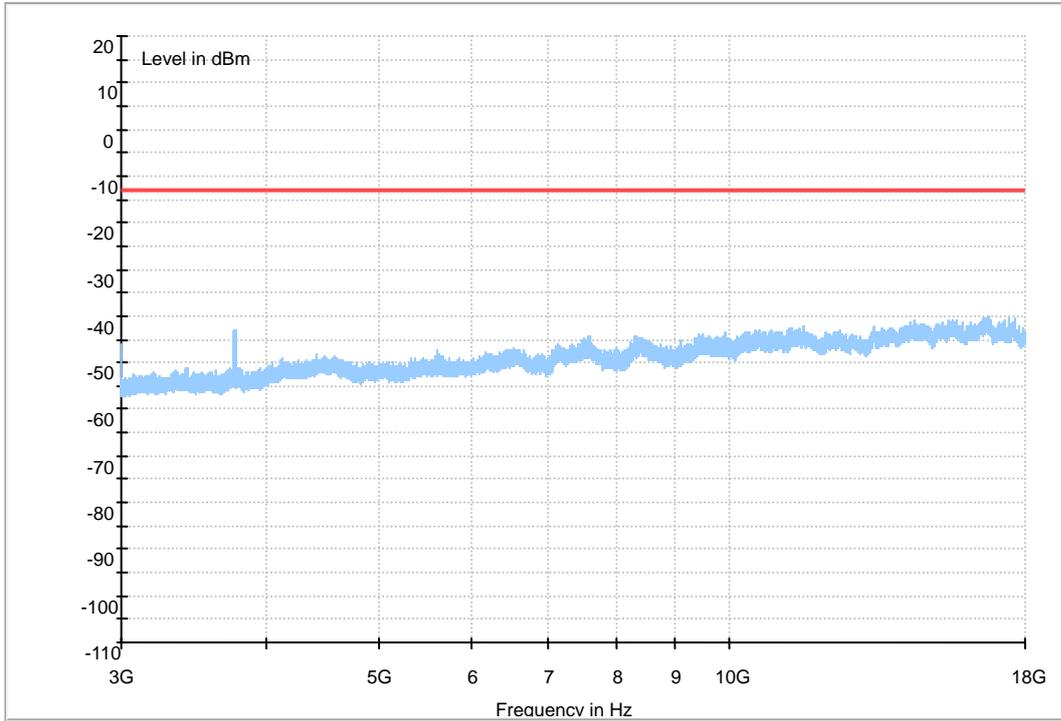
Traffic Mode (9kHz-30MHz)



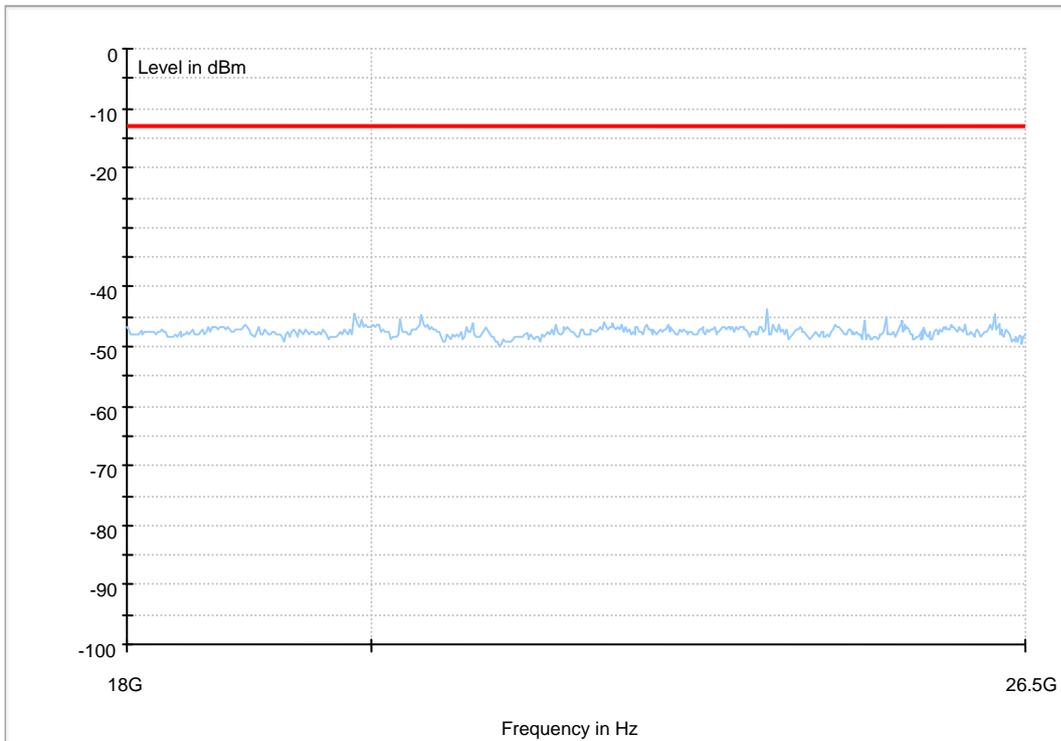
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)



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	-13.30	-0.01614	±2.5	PASS
				VN	-12.27	-0.01489	±2.5	PASS
				VH	-13.69	-0.01661	±2.5	PASS
		MCH	TN	VL	-14.66	-0.01752	±2.5	PASS
				VN	-17.76	-0.02123	±2.5	PASS
				VH	-15.05	-0.01799	±2.5	PASS
		HCH	TN	VL	-15.69	-0.01848	±2.5	PASS
				VN	-17.95	-0.02115	±2.5	PASS
				VH	-15.17	-0.01787	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-28.80	-0.03494	±2.5	PASS
				VN	-21.34	-0.02589	±2.5	PASS
				VH	-26.73	-0.03243	±2.5	PASS
		MCH	TN	VL	-34.16	-0.04083	±2.5	PASS
				VN	-36.29	-0.04338	±2.5	PASS
				VH	-38.26	-0.04573	±2.5	PASS
		HCH	TN	VL	-30.61	-0.03606	±2.5	PASS
				VN	-35.06	-0.04131	±2.5	PASS
				VH	-35.29	-0.04158	±2.5	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-25.18	-0.01361	±2.5	PASS
				VN	-20.02	-0.01082	±2.5	PASS
				VH	-18.85	-0.01019	±2.5	PASS
		MCH	TN	VL	-32.93	-0.01752	±2.5	PASS
				VN	-50.95	-0.0271	±2.5	PASS
				VH	-50.69	-0.02696	±2.5	PASS
		HCH	TN	VL	-33.96	-0.01778	±2.5	PASS
				VN	-39.26	-0.02056	±2.5	PASS
				VH	-49.72	-0.02603	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-55.02	-0.02974	±2.5	PASS
				VN	-51.59	-0.02788	±2.5	PASS
				VH	-56.73	-0.03066	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
		MCH	TN	VL	-65.93	-0.03507	±2.5	PASS
				VN	-68.28	-0.03632	±2.5	PASS
				VH	-73.77	-0.03924	±2.5	PASS
		HCH	TN	VL	-65.09	-0.03408	±2.5	PASS
				VN	-74.00	-0.03875	±2.5	PASS
				VH	-66.25	-0.03469	±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	-11.69	-0.01418	±2.5	PASS	
				-20	-14.66	-0.01779	±2.5	PASS	
				-10	-13.56	-0.01645	±2.5	PASS	
				0	-11.30	-0.01371	±2.5	PASS	
				10	-10.01	-0.01215	±2.5	PASS	
				20	-12.27	-0.01489	±2.5	PASS	
				30	-12.53	-0.0152	±2.5	PASS	
				40	-9.17	-0.01113	±2.5	PASS	
		MCH	VN	-30	-14.14	-0.0169	±2.5	PASS	
				-20	-18.27	-0.02184	±2.5	PASS	
				-10	-16.14	-0.01929	±2.5	PASS	
				0	-17.37	-0.02076	±2.5	PASS	
				10	-21.24	-0.02539	±2.5	PASS	
				20	-17.89	-0.02138	±2.5	PASS	
				30	-19.11	-0.02284	±2.5	PASS	
				40	-18.40	-0.02199	±2.5	PASS	
		HCH	VN	-30	-14.46	-0.01704	±2.5	PASS	
				-20	-8.91	-0.0105	±2.5	PASS	
				-10	-10.07	-0.01186	±2.5	PASS	
				0	-8.78	-0.01034	±2.5	PASS	
				10	-9.43	-0.01111	±2.5	PASS	
				20	-12.01	-0.01415	±2.5	PASS	
				30	-9.23	-0.01087	±2.5	PASS	
				40	-8.72	-0.01027	±2.5	PASS	
		GSM/TM2	LCH	VN	-30	-31.09	-0.03772	±2.5	PASS
					-20	-27.83	-0.03377	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict		
				-10	-25.89	-0.03141	±2.5	PASS		
				0	-27.86	-0.0338	±2.5	PASS		
				10	-27.89	-0.03384	±2.5	PASS		
				20	-29.77	-0.03612	±2.5	PASS		
				30	-30.32	-0.03679	±2.5	PASS		
				40	-24.80	-0.03009	±2.5	PASS		
				50	-25.28	-0.03067	±2.5	PASS		
		MCH	VN	-30	-35.93	-0.04295	±2.5	PASS		
				-20	-30.77	-0.03678	±2.5	PASS		
				-10	-35.16	-0.04203	±2.5	PASS		
				0	-36.22	-0.04329	±2.5	PASS		
				10	-39.84	-0.04762	±2.5	PASS		
				20	-36.52	-0.04365	±2.5	PASS		
				30	-35.81	-0.0428	±2.5	PASS		
				40	-37.32	-0.04461	±2.5	PASS		
		HCH	VN	-30	-40.78	-0.04804	±2.5	PASS		
				-20	-33.35	-0.03929	±2.5	PASS		
				-10	-40.49	-0.0477	±2.5	PASS		
				0	-36.10	-0.04253	±2.5	PASS		
				10	-33.61	-0.0396	±2.5	PASS		
				20	-30.99	-0.03651	±2.5	PASS		
				30	-35.77	-0.04214	±2.5	PASS		
				40	-34.06	-0.04013	±2.5	PASS		
		50	-30.70	-0.03617	±2.5	PASS				
		GSM190 0	GSM/TM1	LCH	VN	-30	-24.60	-0.0133	±2.5	PASS
						-20	-20.28	-0.01096	±2.5	PASS
						-10	-27.57	-0.0149	±2.5	PASS
0	-27.44					-0.01483	±2.5	PASS		
10	-21.24					-0.01148	±2.5	PASS		
20	-25.44					-0.01375	±2.5	PASS		
30	-23.37					-0.01263	±2.5	PASS		
40	-27.12			-0.01466	±2.5	PASS				
50	-19.37			-0.01047	±2.5	PASS				
MCH	VN			-30	-46.30	-0.02463	±2.5	PASS		
				-20	-48.75	-0.02593	±2.5	PASS		
				-10	-49.85	-0.02652	±2.5	PASS		
				0	-53.21	-0.0283	±2.5	PASS		
				10	-48.24	-0.02566	±2.5	PASS		
		20	-45.85	-0.02439	±2.5	PASS				



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict	
				30	-45.07	-0.02397	±2.5	PASS	
				40	-49.20	-0.02617	±2.5	PASS	
				50	-50.30	-0.02676	±2.5	PASS	
		HCH	VN	-30	-50.24	-0.02631	±2.5	PASS	
				-20	-47.40	-0.02482	±2.5	PASS	
				-10	-44.30	-0.0232	±2.5	PASS	
				0	-45.39	-0.02377	±2.5	PASS	
				10	-35.64	-0.01866	±2.5	PASS	
				20	-43.72	-0.02289	±2.5	PASS	
				30	-47.59	-0.02492	±2.5	PASS	
				40	-46.49	-0.02434	±2.5	PASS	
				50	-45.33	-0.02374	±2.5	PASS	
		GSM/TM2	LCH	VN	-30	-52.17	-0.0282	±2.5	PASS
					-20	-43.94	-0.02375	±2.5	PASS
					-10	-43.65	-0.02359	±2.5	PASS
	0				-50.82	-0.02747	±2.5	PASS	
	10				-47.52	-0.02568	±2.5	PASS	
	20				-49.07	-0.02652	±2.5	PASS	
	30				-40.10	-0.02167	±2.5	PASS	
	40				-62.44	-0.03375	±2.5	PASS	
	50		-57.02	-0.03082	±2.5	PASS			
	MCH		VN	-30	-79.39	-0.04223	±2.5	PASS	
				-20	-75.06	-0.03993	±2.5	PASS	
				-10	-77.39	-0.04116	±2.5	PASS	
				0	-73.39	-0.03904	±2.5	PASS	
				10	-73.74	-0.03922	±2.5	PASS	
				20	-69.45	-0.03694	±2.5	PASS	
		30		-72.16	-0.03838	±2.5	PASS		
	40	-71.58	-0.03807	±2.5	PASS				
	50	-74.10	-0.03941	±2.5	PASS				
HCH	VN	-30	-71.13	-0.03724	±2.5	PASS			
		-20	-56.89	-0.02979	±2.5	PASS			
		-10	-67.61	-0.0354	±2.5	PASS			
		0	-58.92	-0.03085	±2.5	PASS			
		10	-73.64	-0.03856	±2.5	PASS			
		20	-69.12	-0.03619	±2.5	PASS			
		30	-64.51	-0.03378	±2.5	PASS			
		40	-68.12	-0.03567	±2.5	PASS			
50	-74.03	-0.03876	±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	-6.84	-0.00827	±2.5	PASS
				VN	-0.78	-0.00094	±2.5	PASS
				VH	-9.98	-0.01207	±2.5	PASS
		MCH	TN	VL	0.31	0.00037	±2.5	PASS
				VN	0.96	0.00115	±2.5	PASS
				VH	-3.85	-0.0046	±2.5	PASS
		HCH	TN	VL	-13.28	-0.01569	±2.5	PASS
				VN	-7.74	-0.00914	±2.5	PASS
				VH	-7.03	-0.00831	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-1.94	-0.00105	±2.5	PASS
				VN	-3.77	-0.00203	±2.5	PASS
				VH	-0.05	-0.00003	±2.5	PASS
		MCH	TN	VL	-4.14	-0.0022	±2.5	PASS
				VN	-6.16	-0.00328	±2.5	PASS
				VH	-0.73	-0.00039	±2.5	PASS
		HCH	TN	VL	6.77	0.00355	±2.5	PASS
				VN	-15.59	-0.00817	±2.5	PASS
				VH	-20.90	-0.01096	±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	-10.57	-0.01279	±2.5	PASS
				-20	-3.92	-0.00474	±2.5	PASS
				-10	-4.33	-0.00524	±2.5	PASS
				0	-7.29	-0.00882	±2.5	PASS
				10	-3.49	-0.00422	±2.5	PASS
				20	-6.06	-0.00733	±2.5	PASS
				30	-9.11	-0.01102	±2.5	PASS
				40	-8.85	-0.01071	±2.5	PASS
				50	-2.53	-0.00306	±2.5	PASS
		MCH	VN	-30	-3.98	-0.00476	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				-20	-6.91	-0.00826	±2.5	PASS
				-10	-6.16	-0.00736	±2.5	PASS
				0	0.81	0.00097	±2.5	PASS
				10	-8.61	-0.01029	±2.5	PASS
				20	-13.35	-0.01596	±2.5	PASS
				30	-7.57	-0.00905	±2.5	PASS
				40	-6.82	-0.00815	±2.5	PASS
				50	0.92	0.0011	±2.5	PASS
		HCH	VN	-30	-10.51	-0.01242	±2.5	PASS
				-20	-1.46	-0.00172	±2.5	PASS
				-10	-8.62	-0.01018	±2.5	PASS
				0	-7.98	-0.00943	±2.5	PASS
				10	-4.12	-0.00487	±2.5	PASS
				20	-4.09	-0.00483	±2.5	PASS
				30	-5.58	-0.00659	±2.5	PASS
				40	-9.14	-0.0108	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-9.12	-0.00492	±2.5	PASS
				-20	-17.40	-0.00939	±2.5	PASS
				-10	-8.32	-0.00449	±2.5	PASS
				0	-11.25	-0.00607	±2.5	PASS
				10	-4.50	-0.00243	±2.5	PASS
				20	-3.02	-0.00163	±2.5	PASS
				30	-8.01	-0.00432	±2.5	PASS
				40	3.39	0.00183	±2.5	PASS
		50	-14.68	-0.00792	±2.5	PASS		
		MCH	VN	-30	-5.69	-0.00303	±2.5	PASS
				-20	-2.46	-0.00131	±2.5	PASS
				-10	3.14	0.00167	±2.5	PASS
				0	4.12	0.00219	±2.5	PASS
				10	4.03	0.00214	±2.5	PASS
				20	-10.64	-0.00566	±2.5	PASS
				30	12.01	0.00639	±2.5	PASS
40	-0.53			-0.00028	±2.5	PASS		
50	-17.64	-0.00938	±2.5	PASS				
HCH	VN	-30	2.04	0.00107	±2.5	PASS		
		-20	-8.12	-0.00426	±2.5	PASS		
		-10	2.35	0.00123	±2.5	PASS		
		0	-1.46	-0.00077	±2.5	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				10	-3.80	-0.00199	±2.5	PASS
				20	-4.23	-0.00222	±2.5	PASS
				30	9.09	0.00477	±2.5	PASS
				40	-3.81	-0.002	±2.5	PASS
				50	-7.49	-0.00393	±2.5	PASS

END