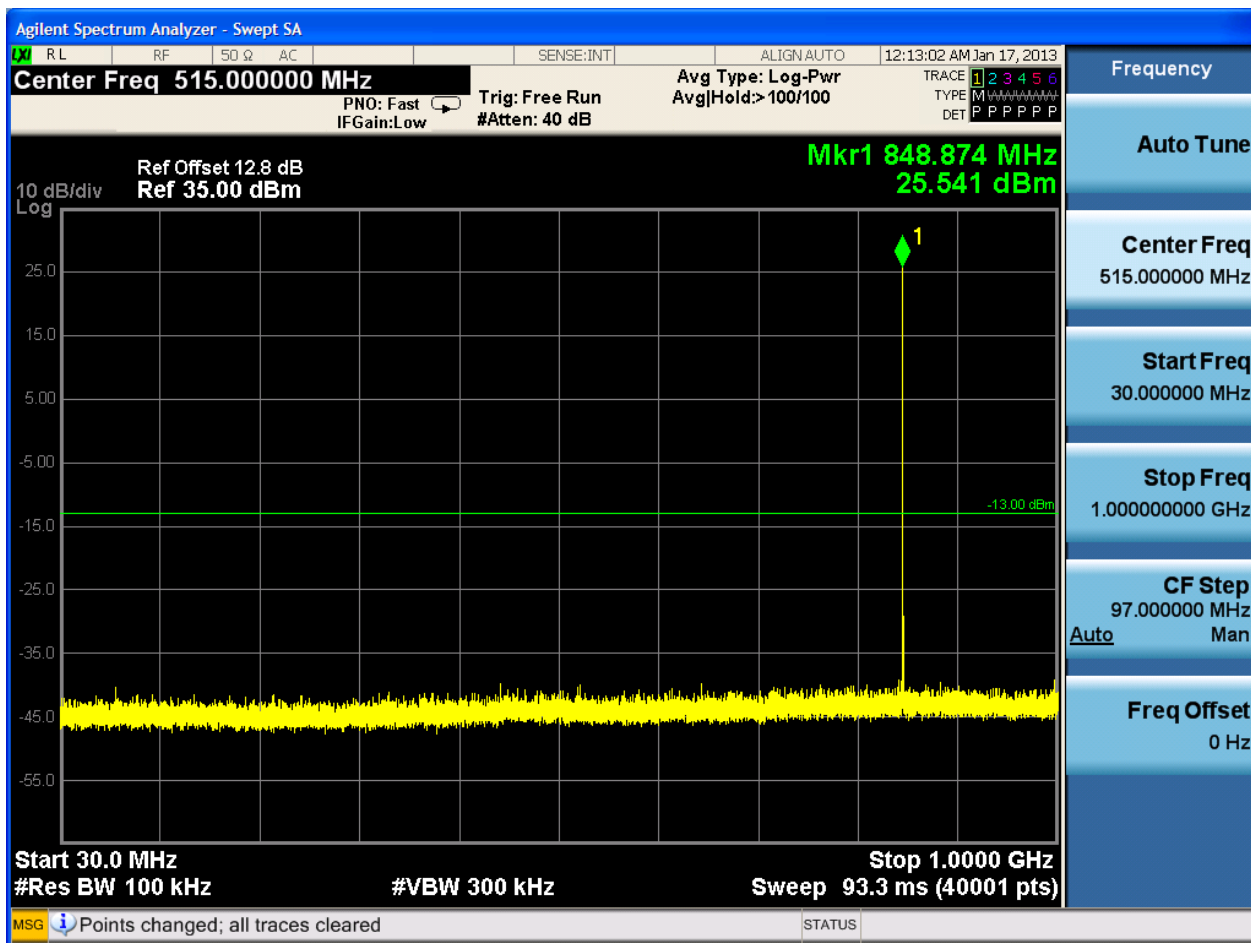
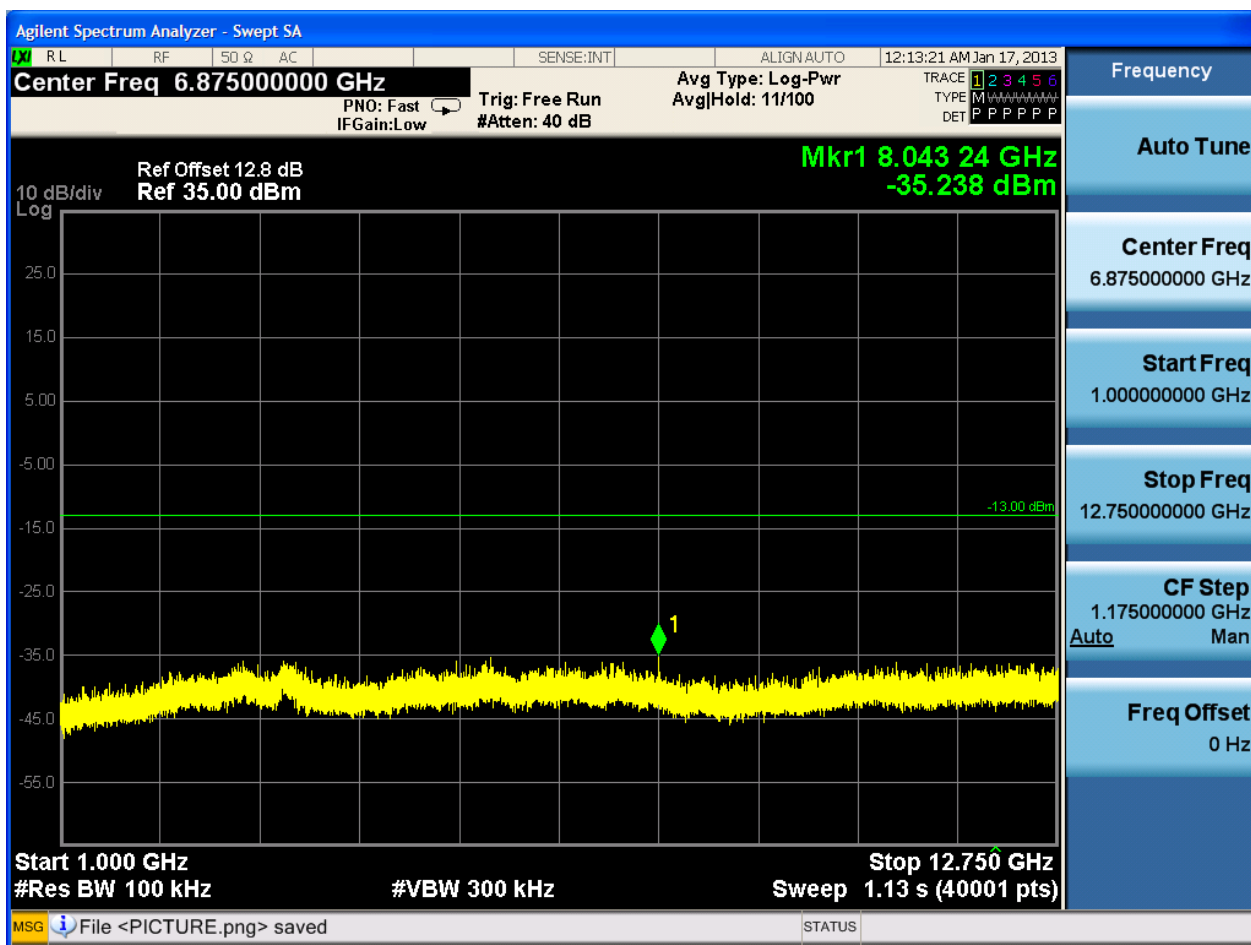




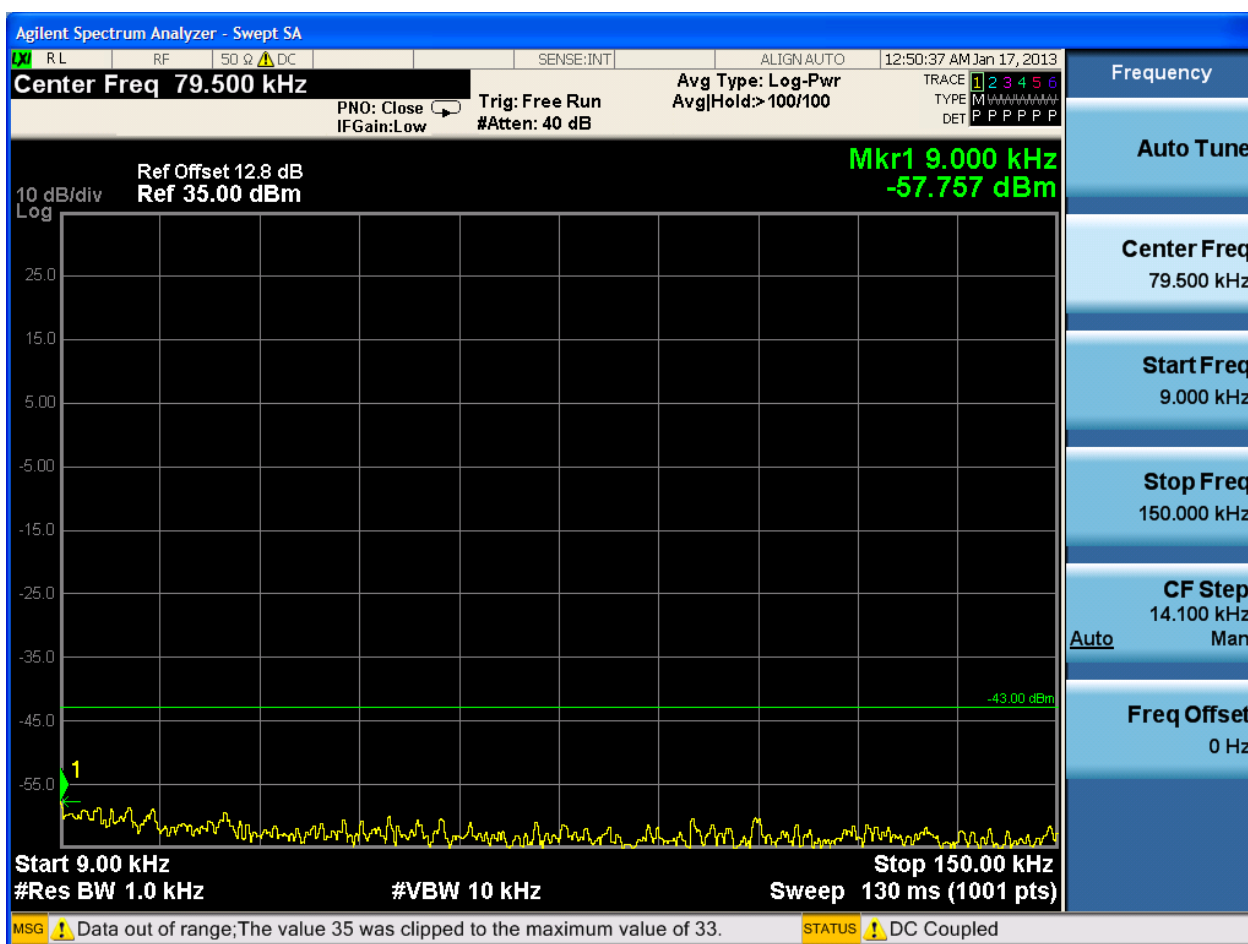


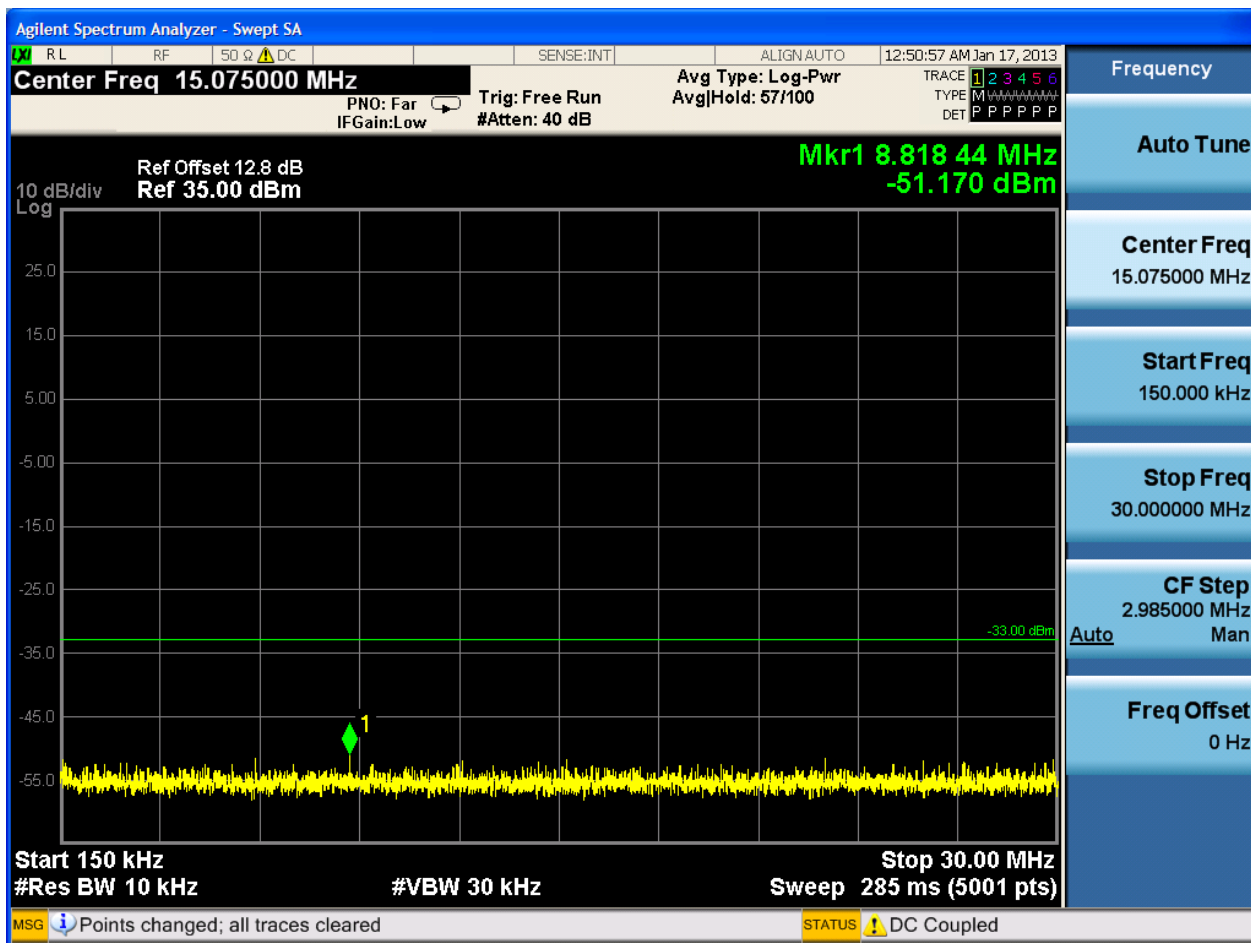


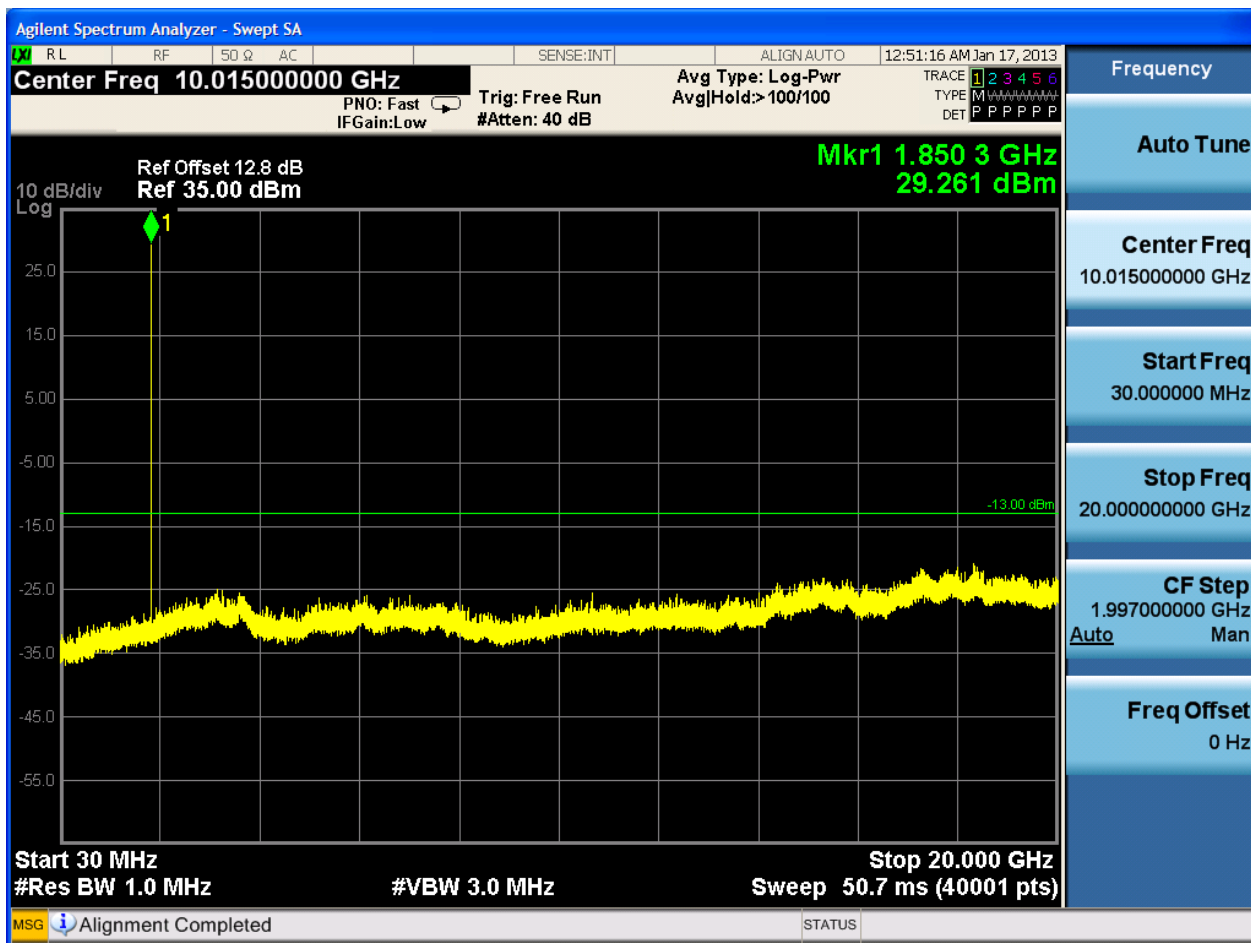
4.1.2 Test Band = GSM1900

4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH

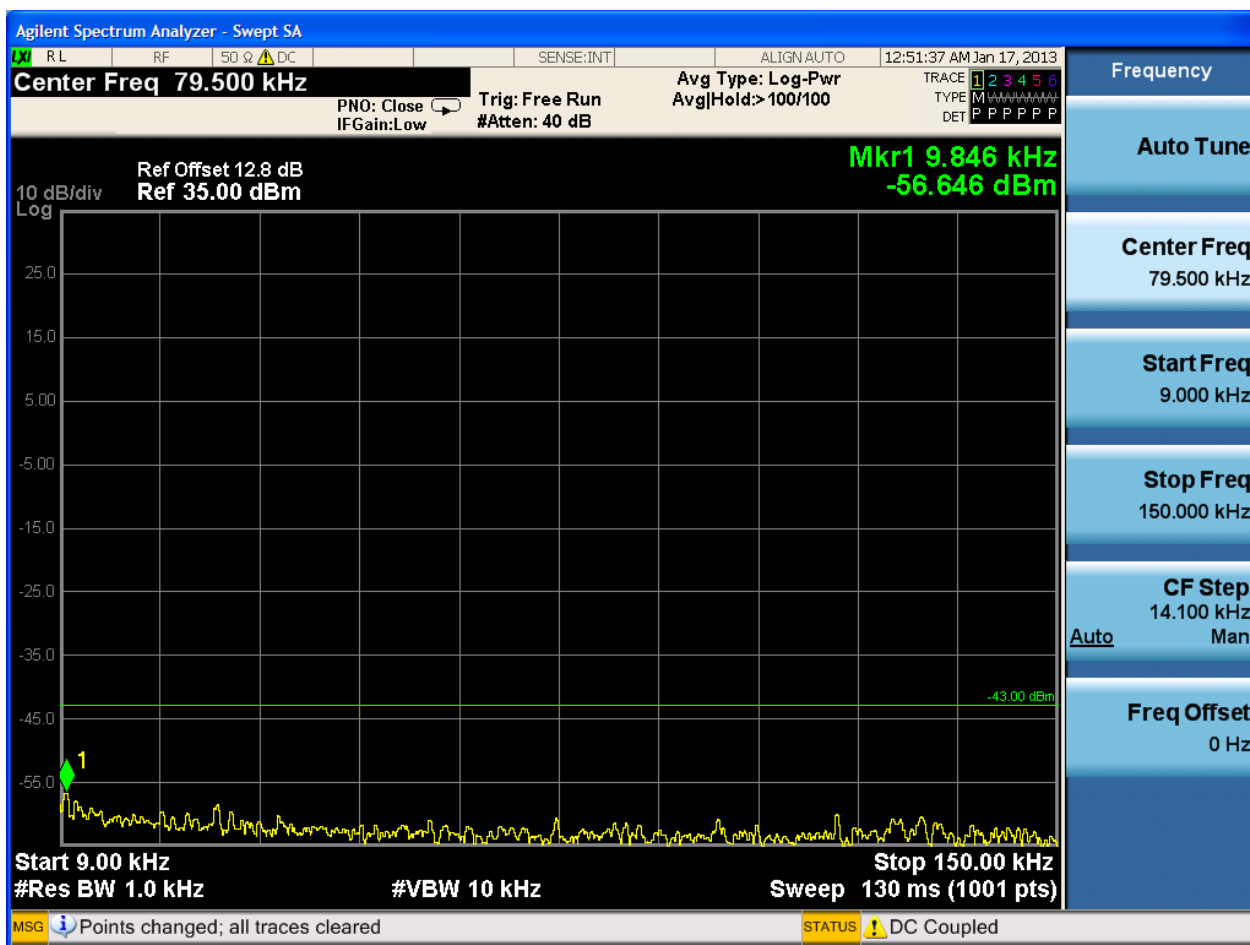


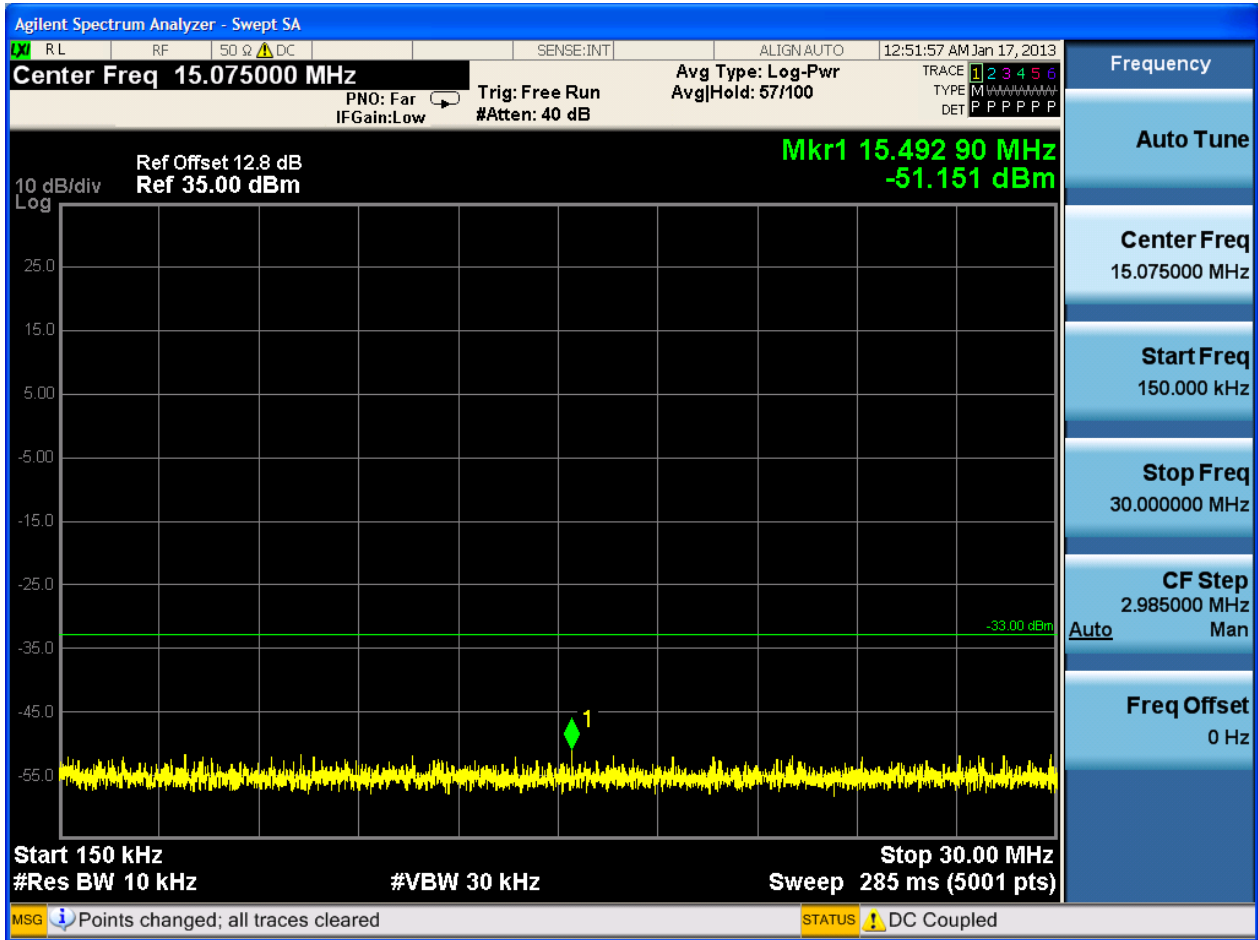


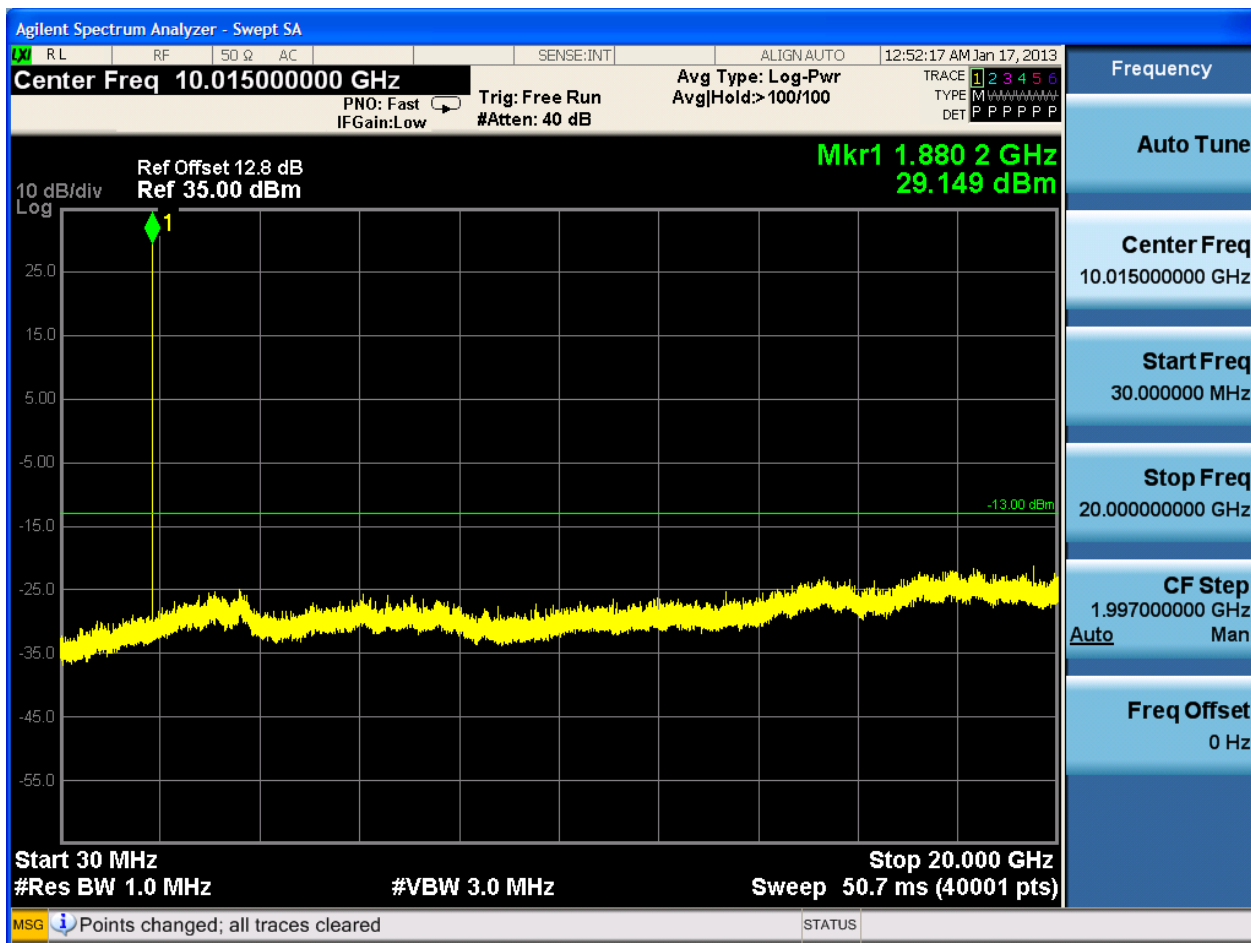




4.1.2.1.2 Test Channel = MCH

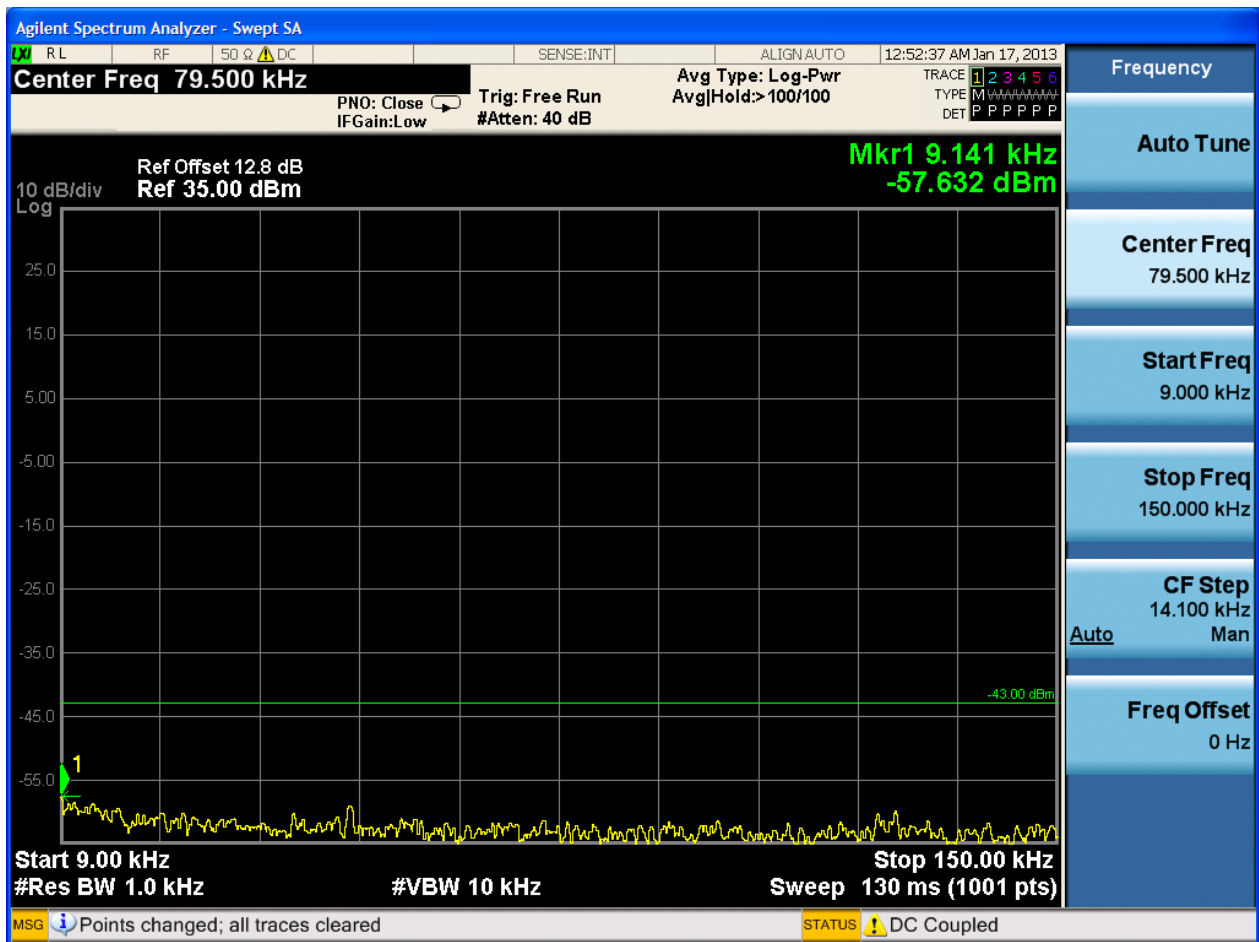


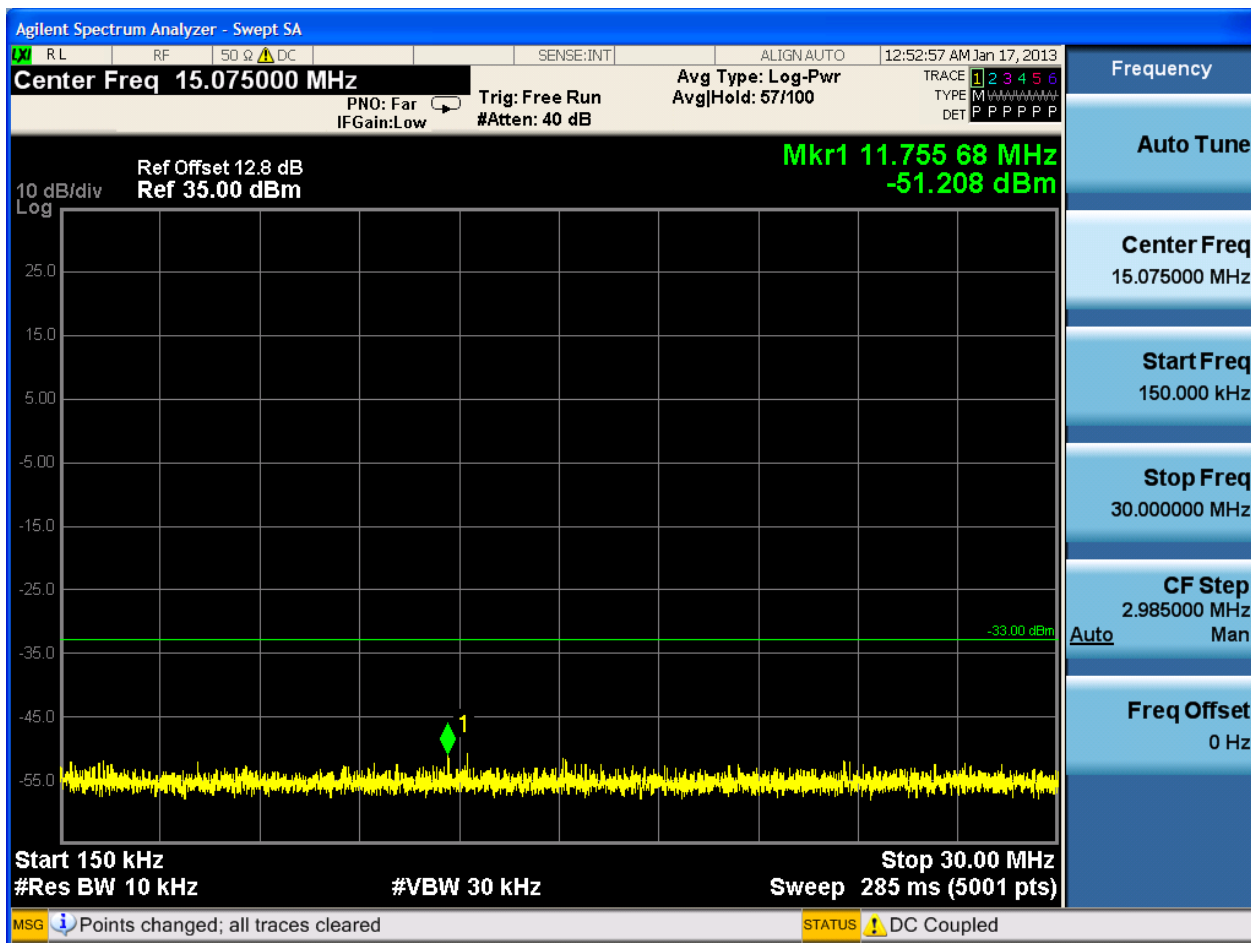


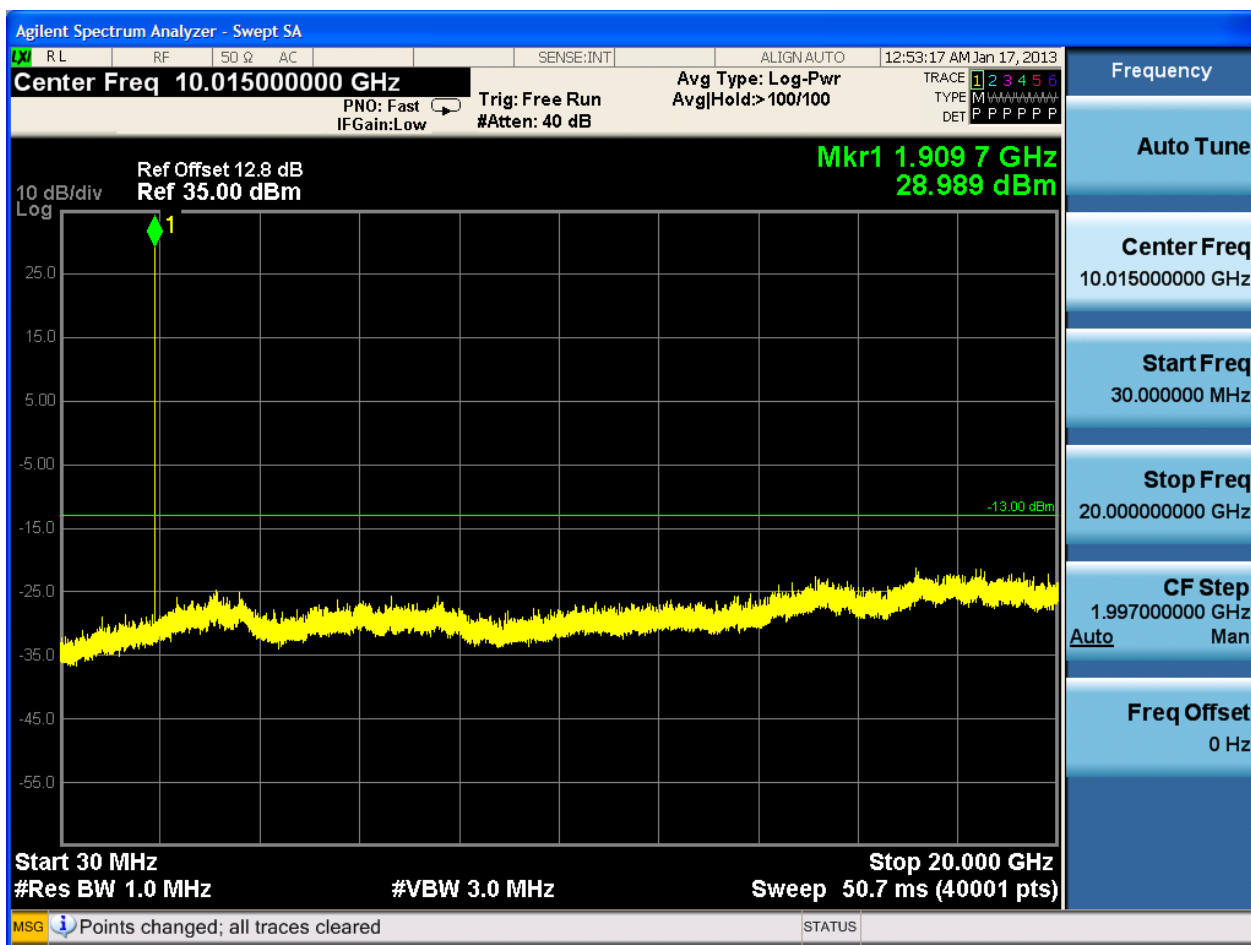




4.1.2.1.3 Test Channel = HCH

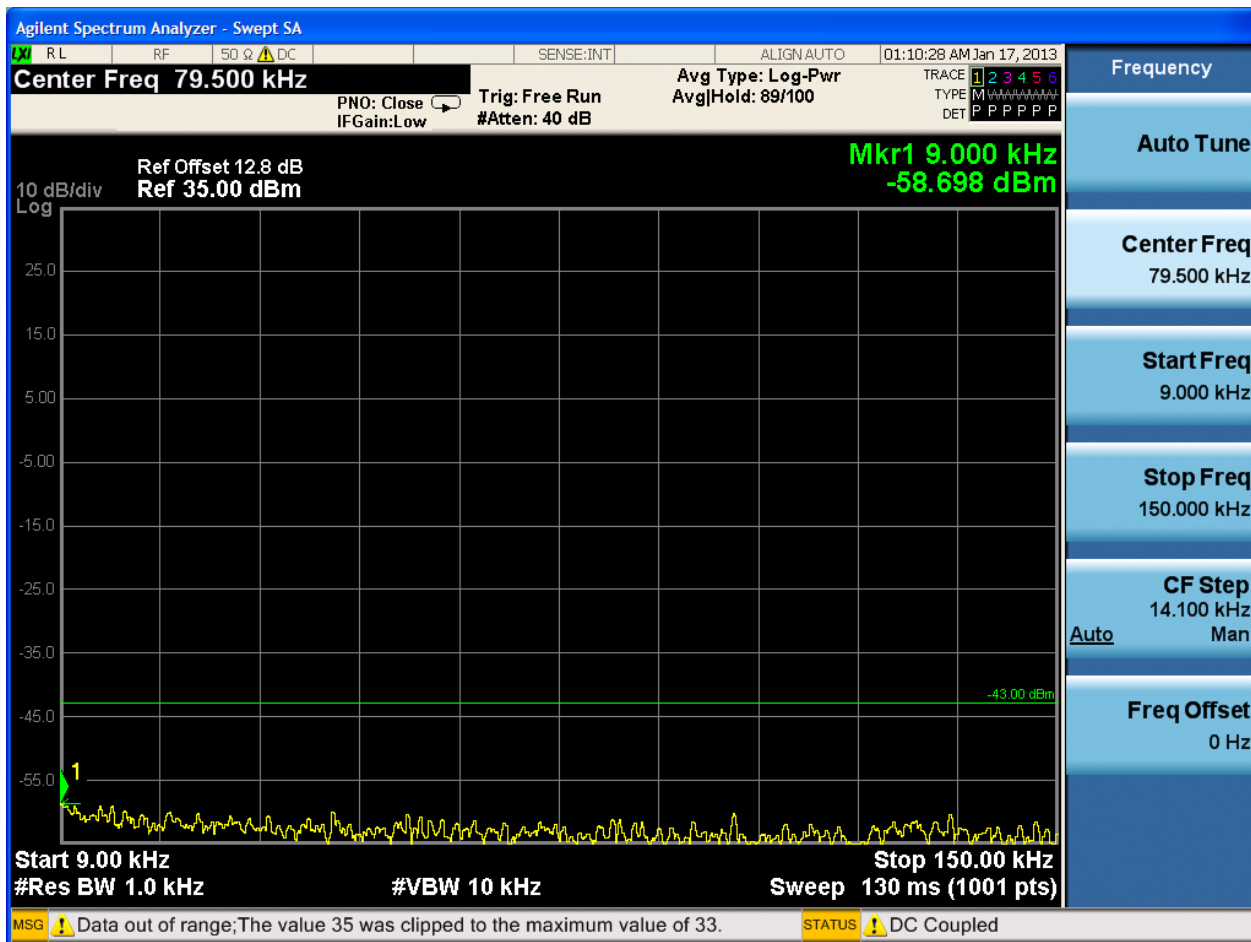


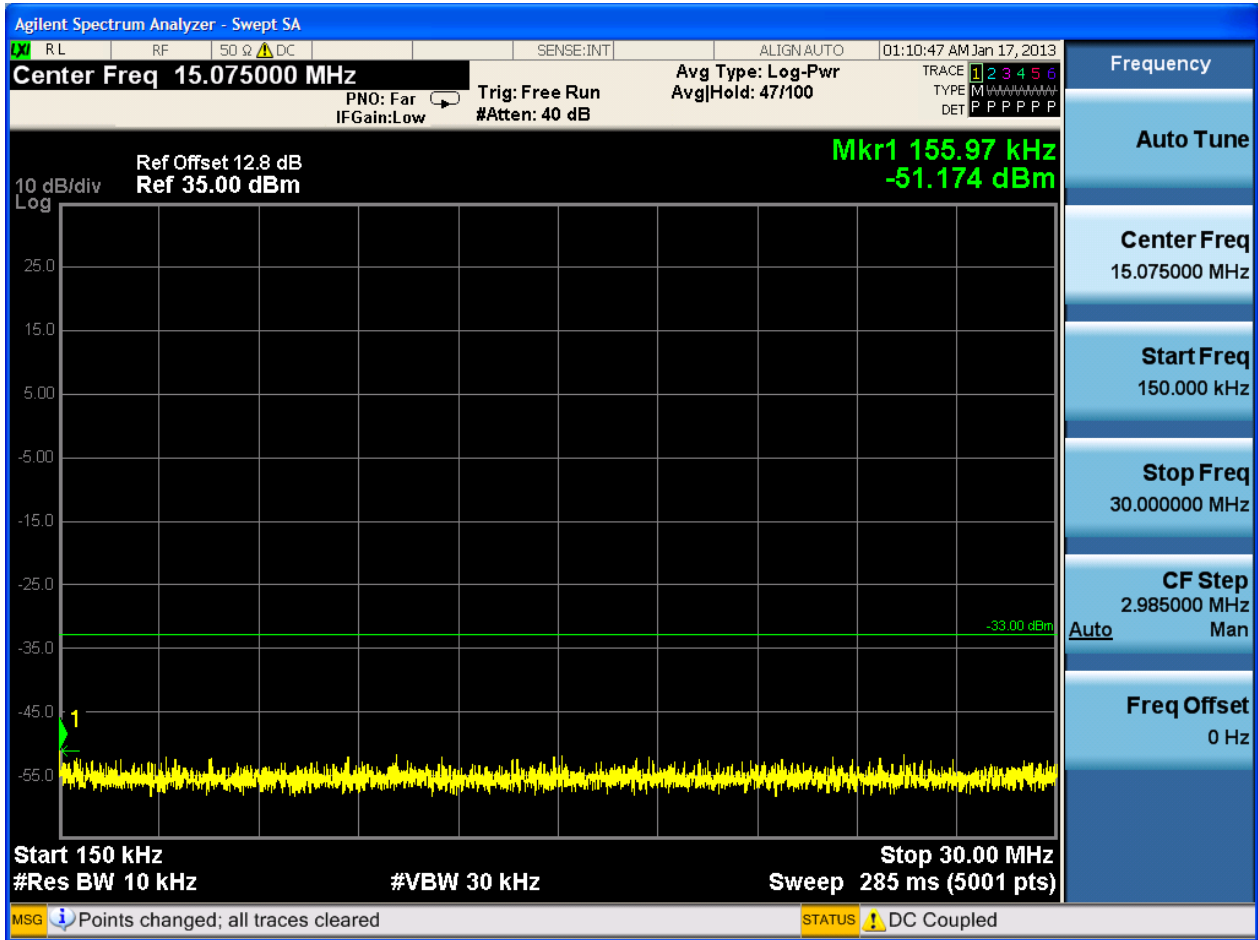


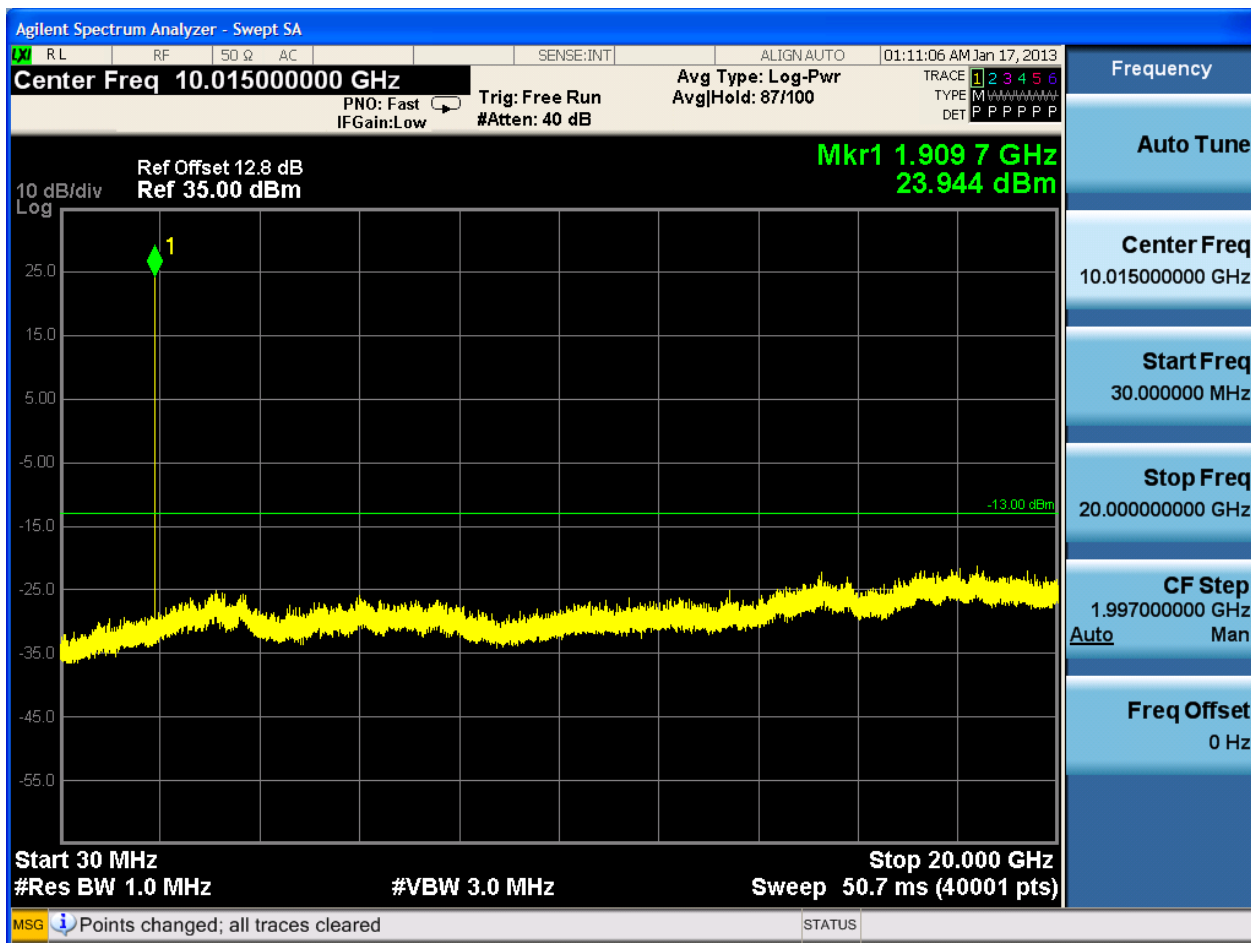


4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH

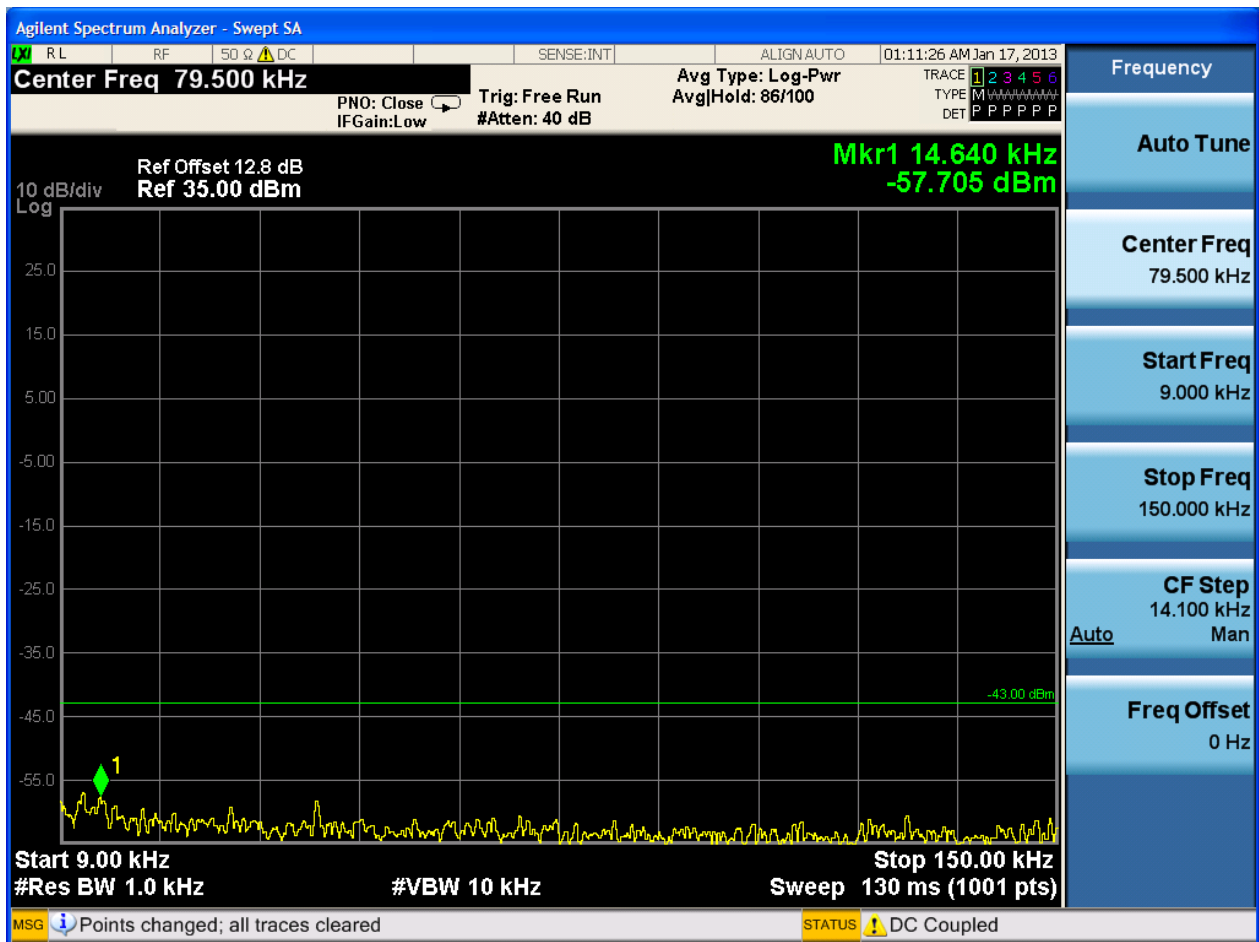


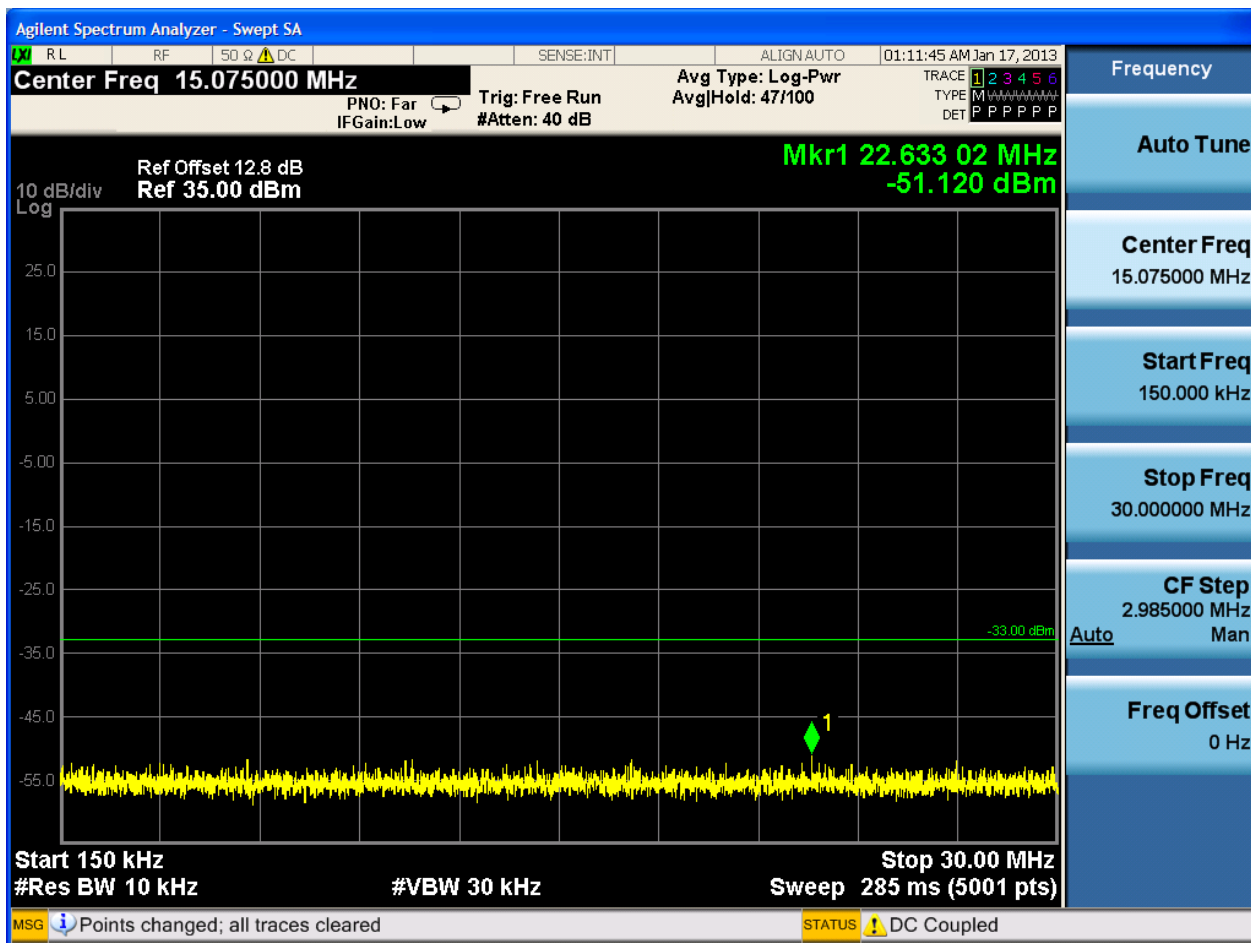


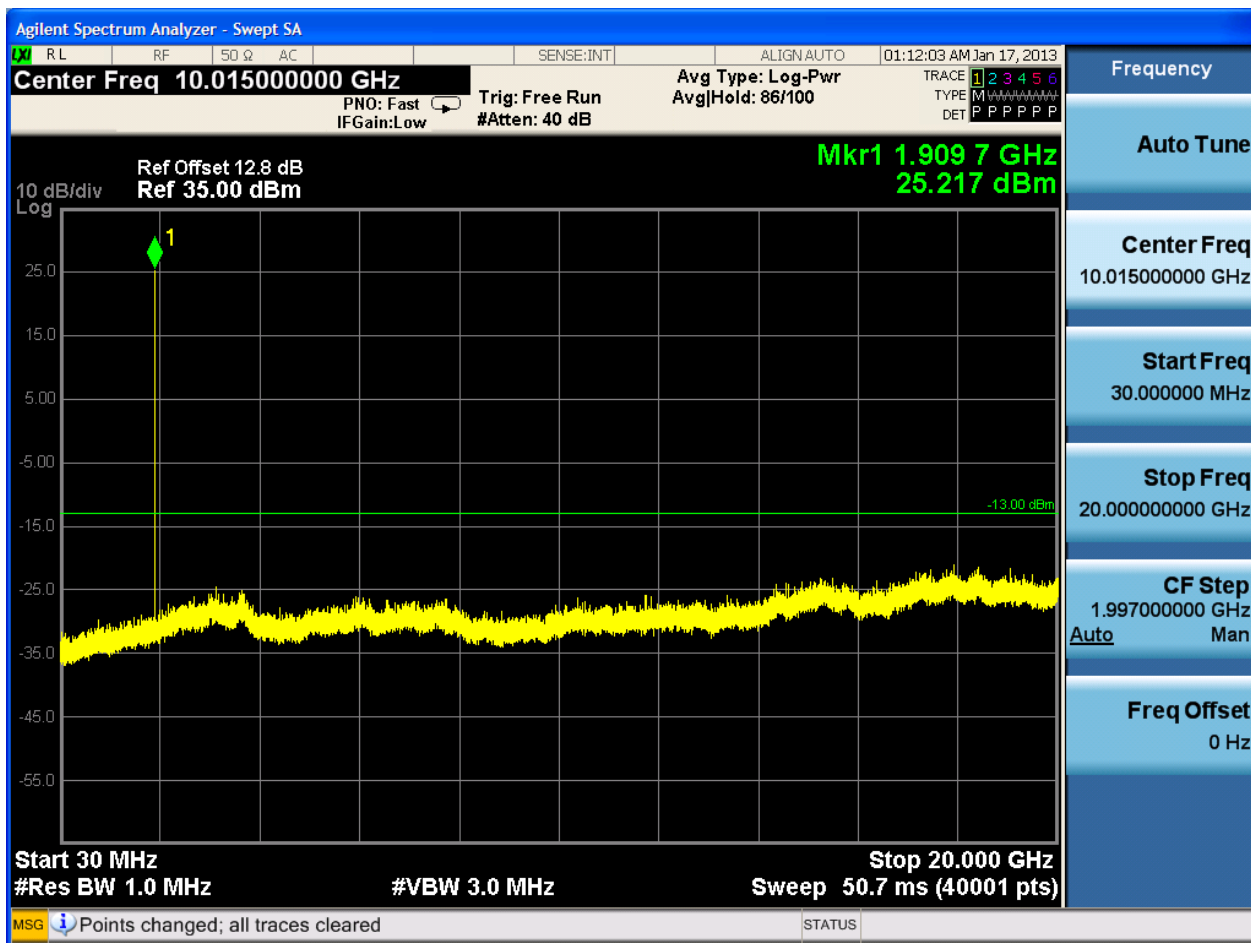




4.1.2.2.2 Test Channel =MCH

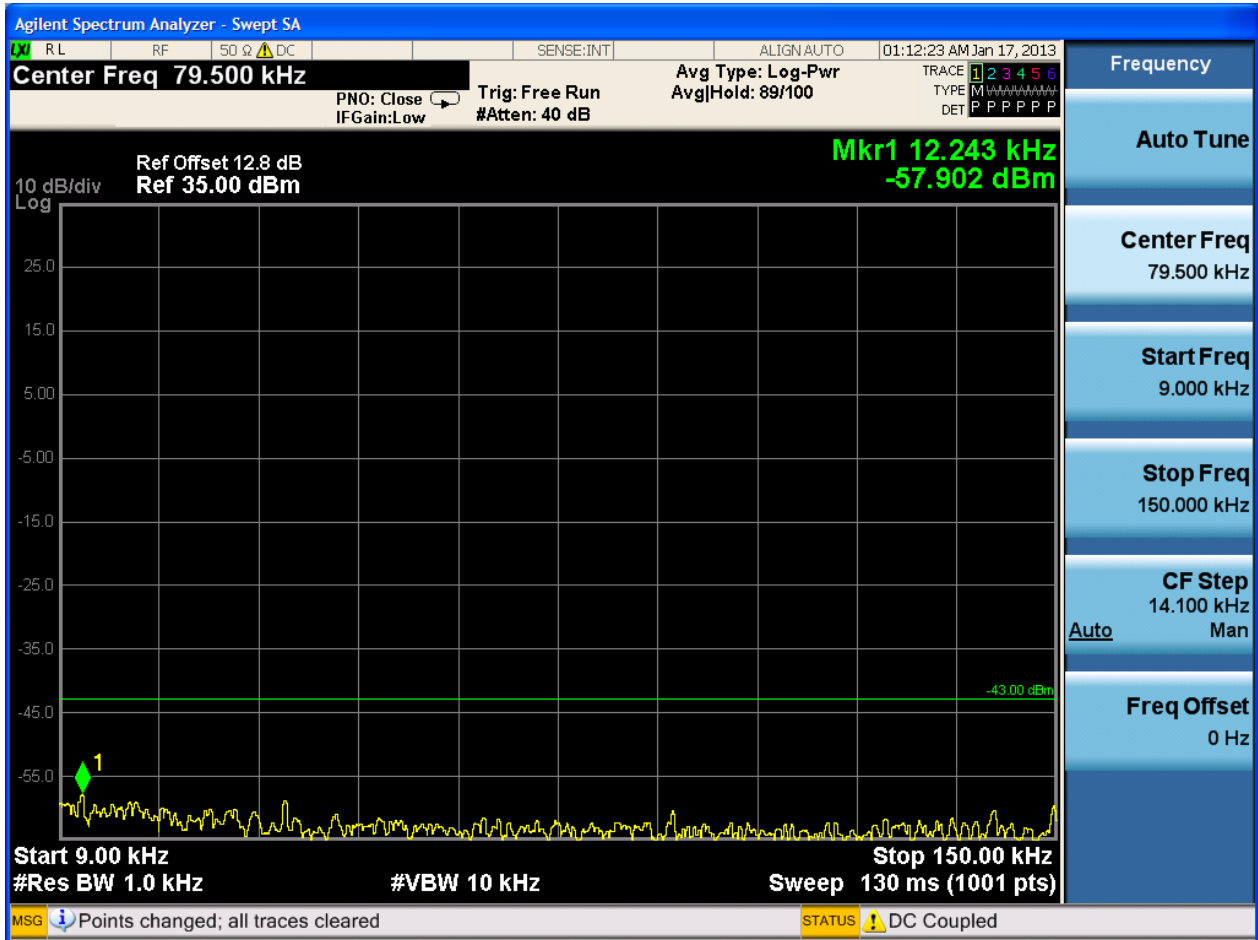


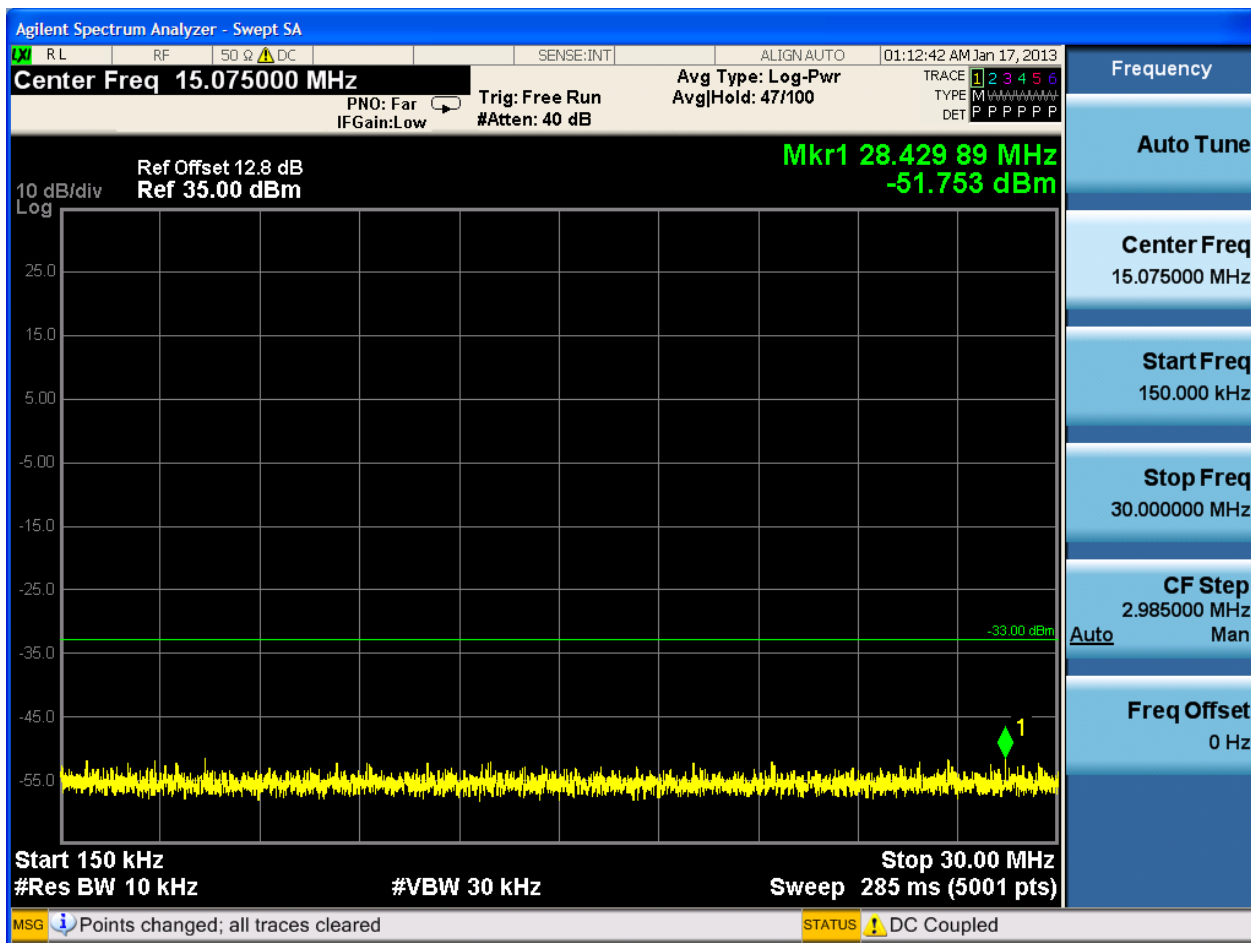


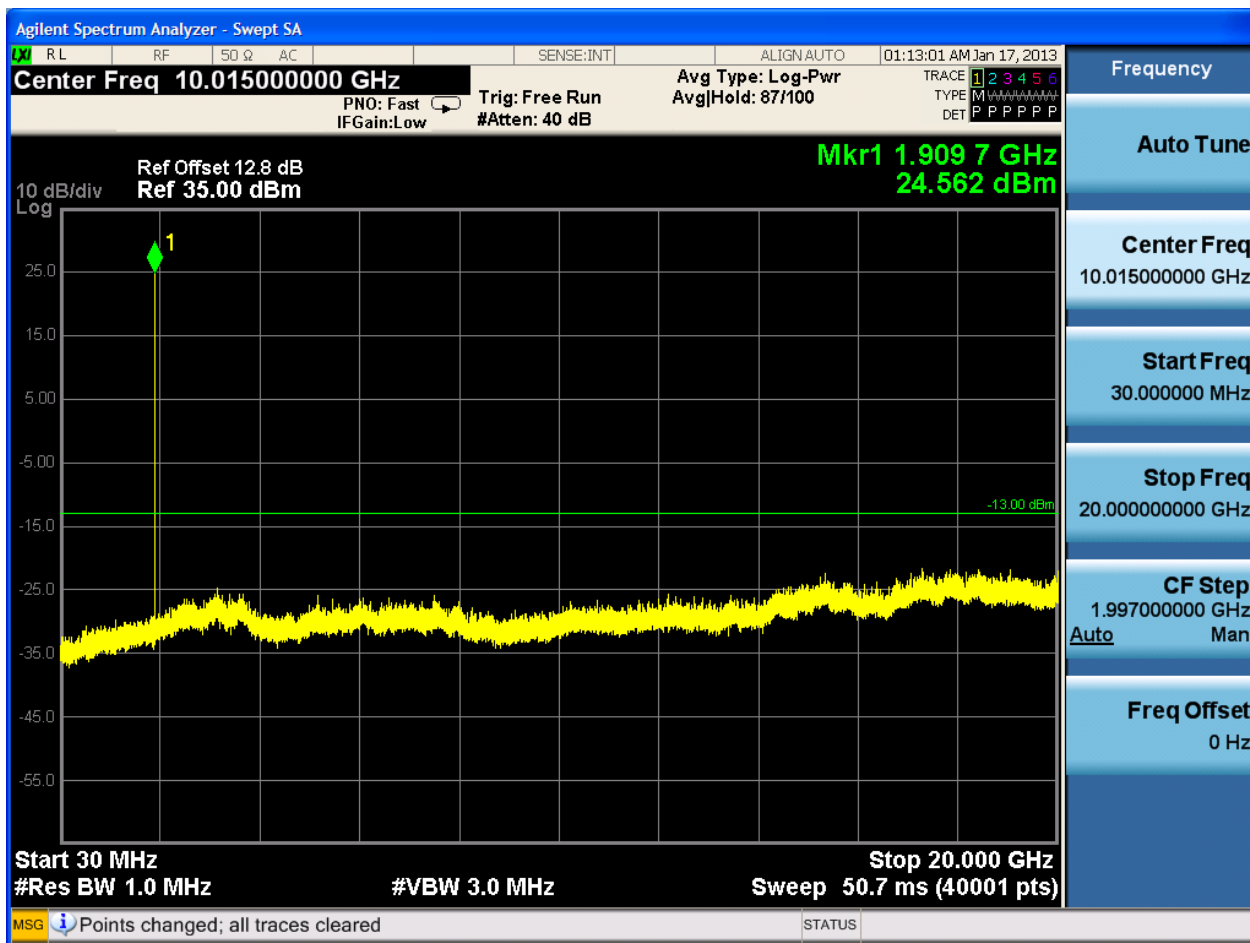




4.1.2.2.3 Test Channel =HCH





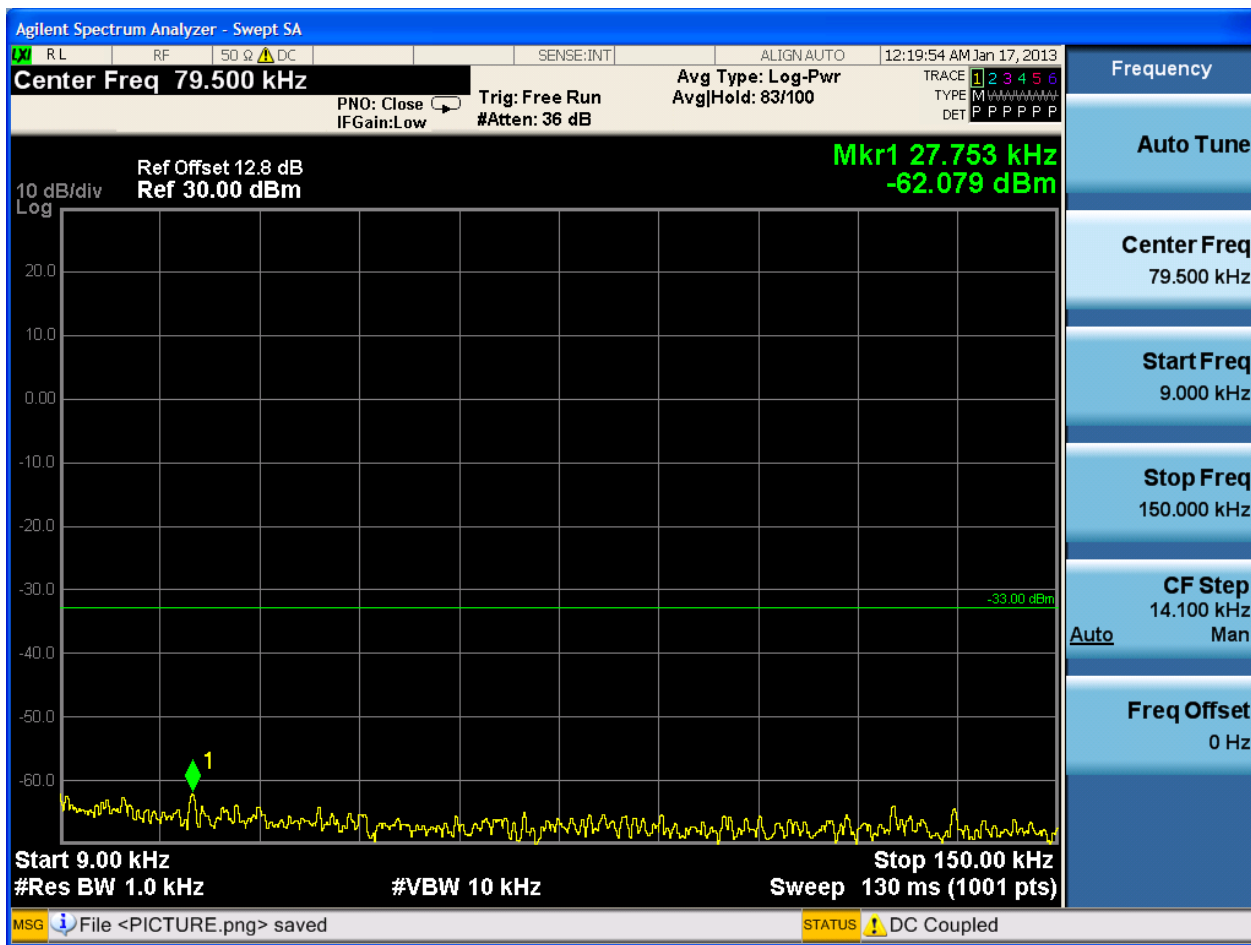


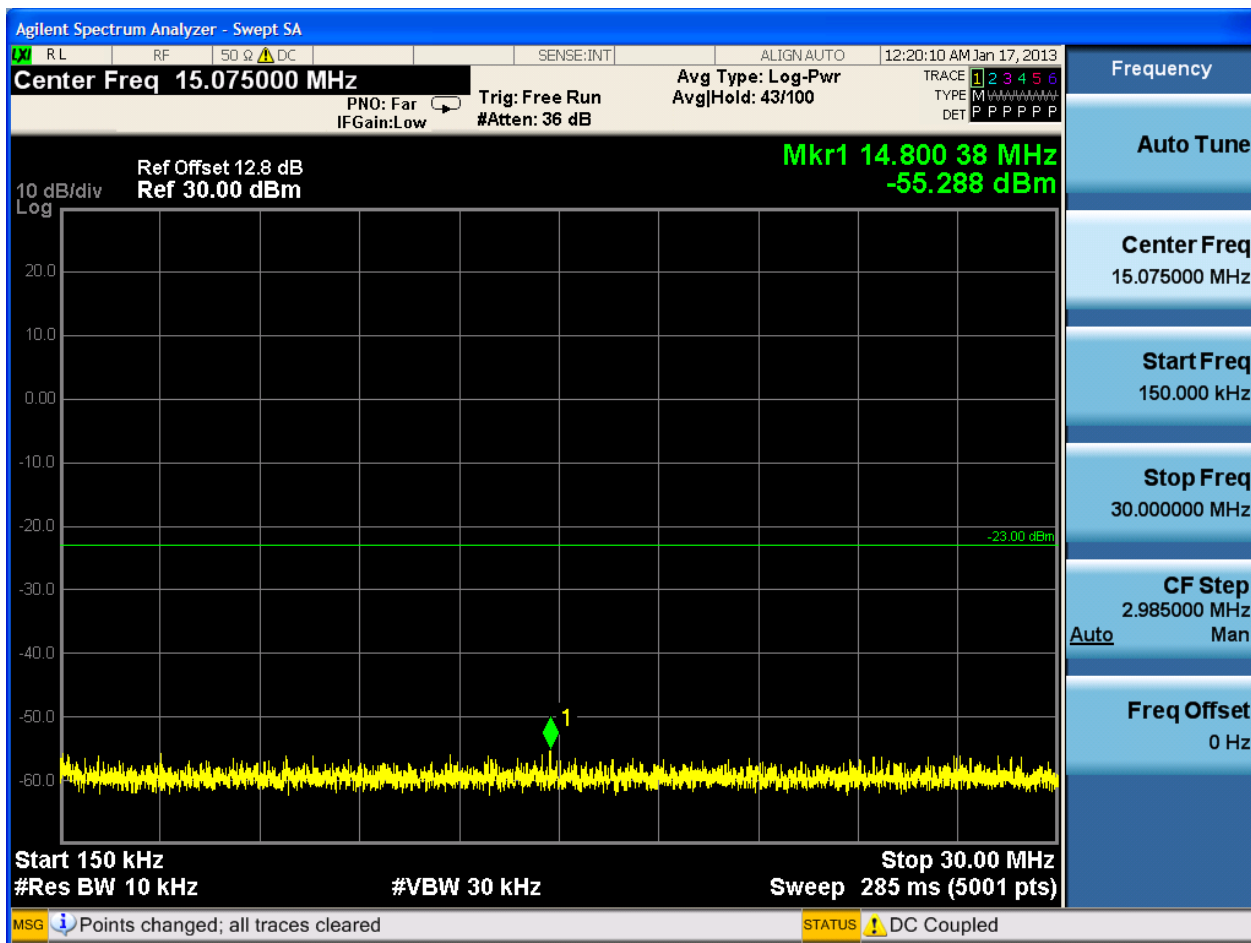
4.2 For UMTS

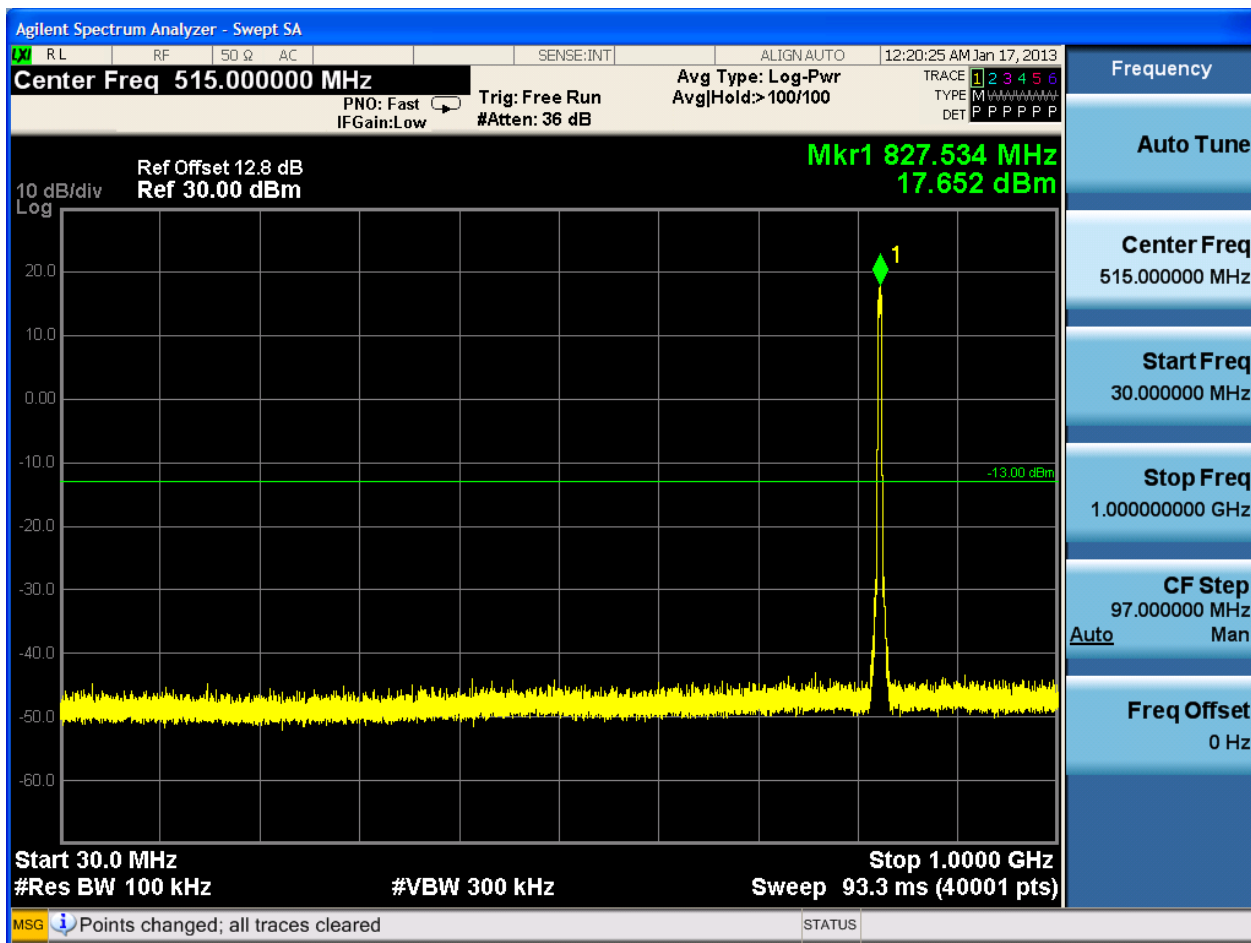
4.2.1 Test Band = WCDMA850

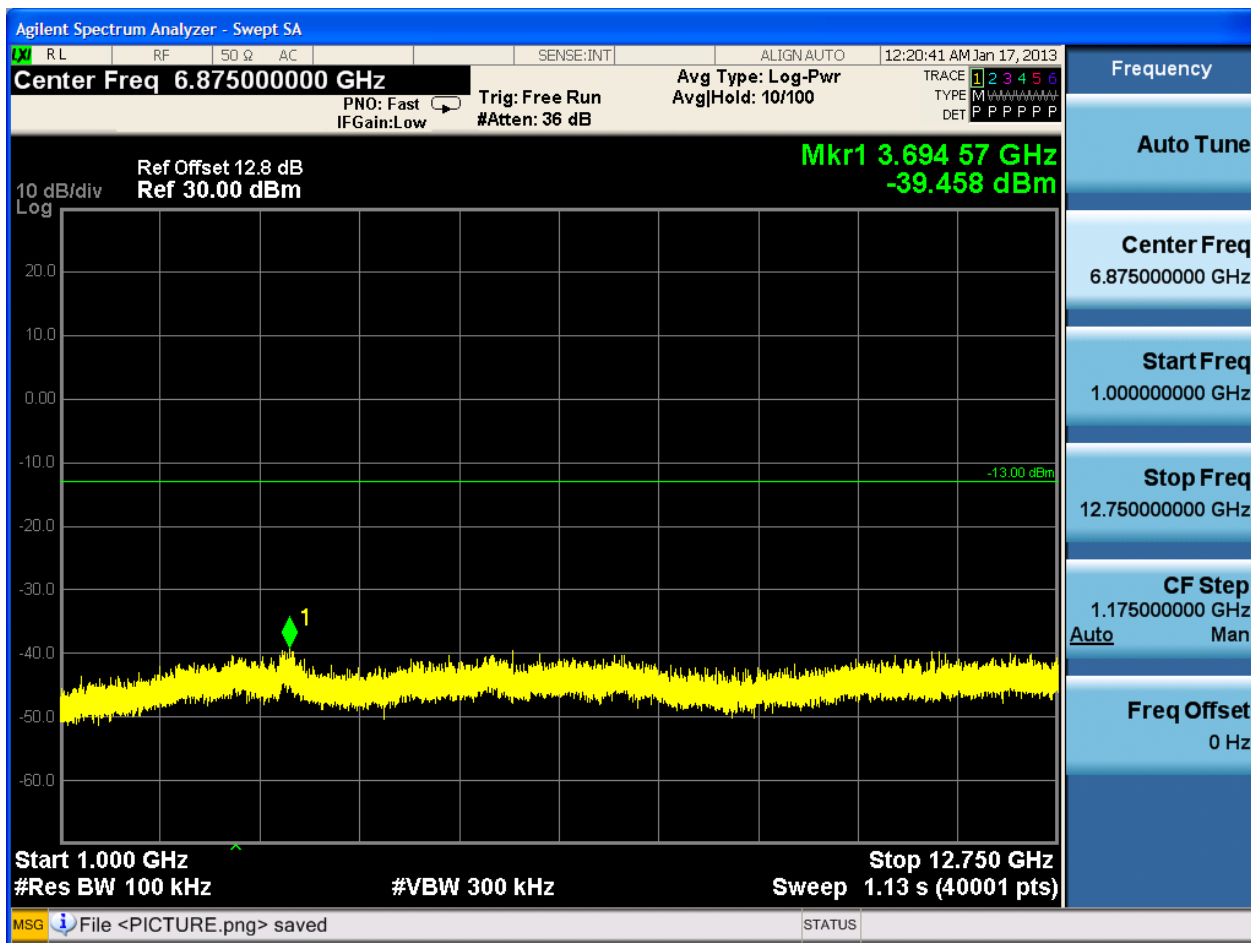
4.2.1.1 Test Mode = UMTS/TM1

4.2.1.1.1 Test Channel = LCH



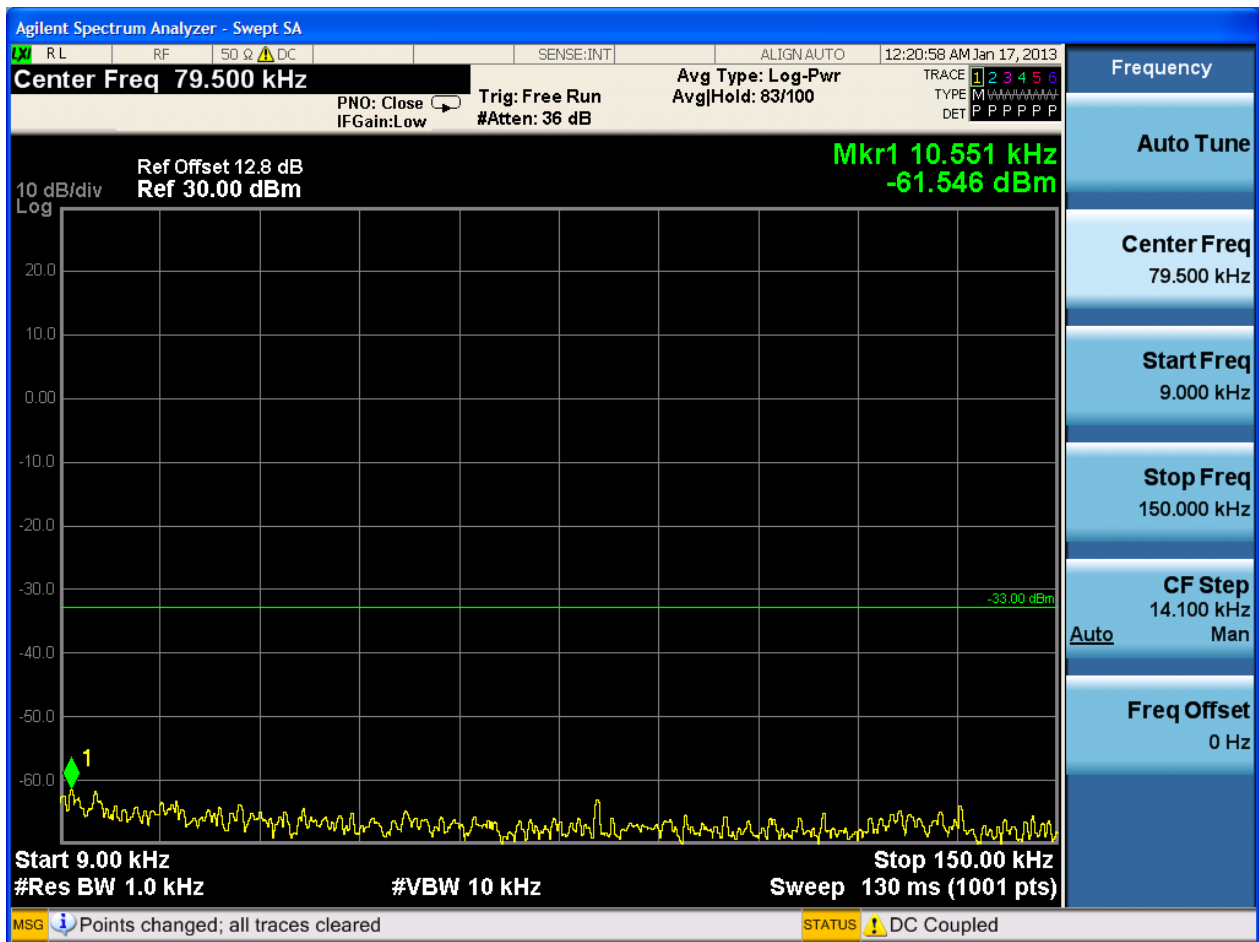


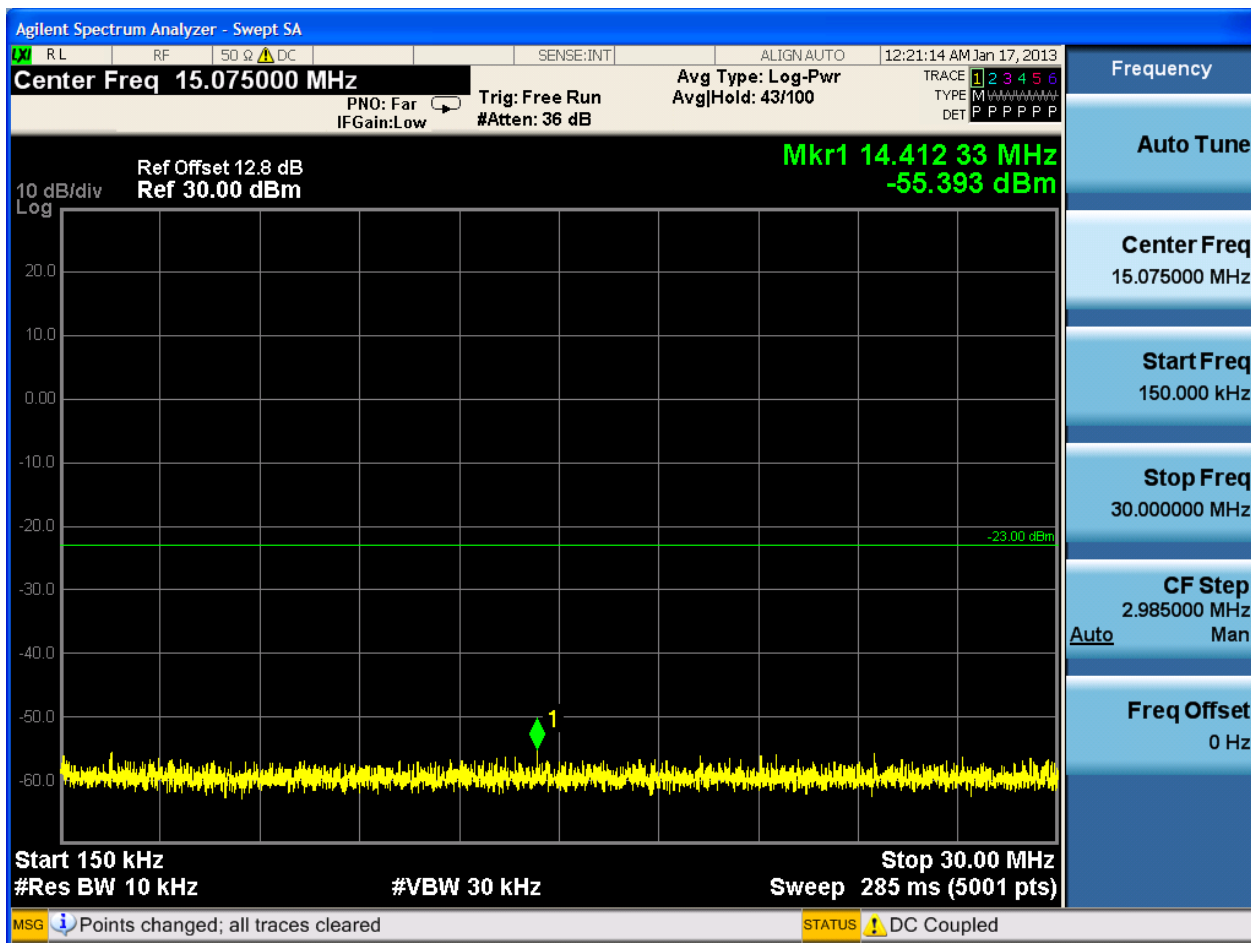


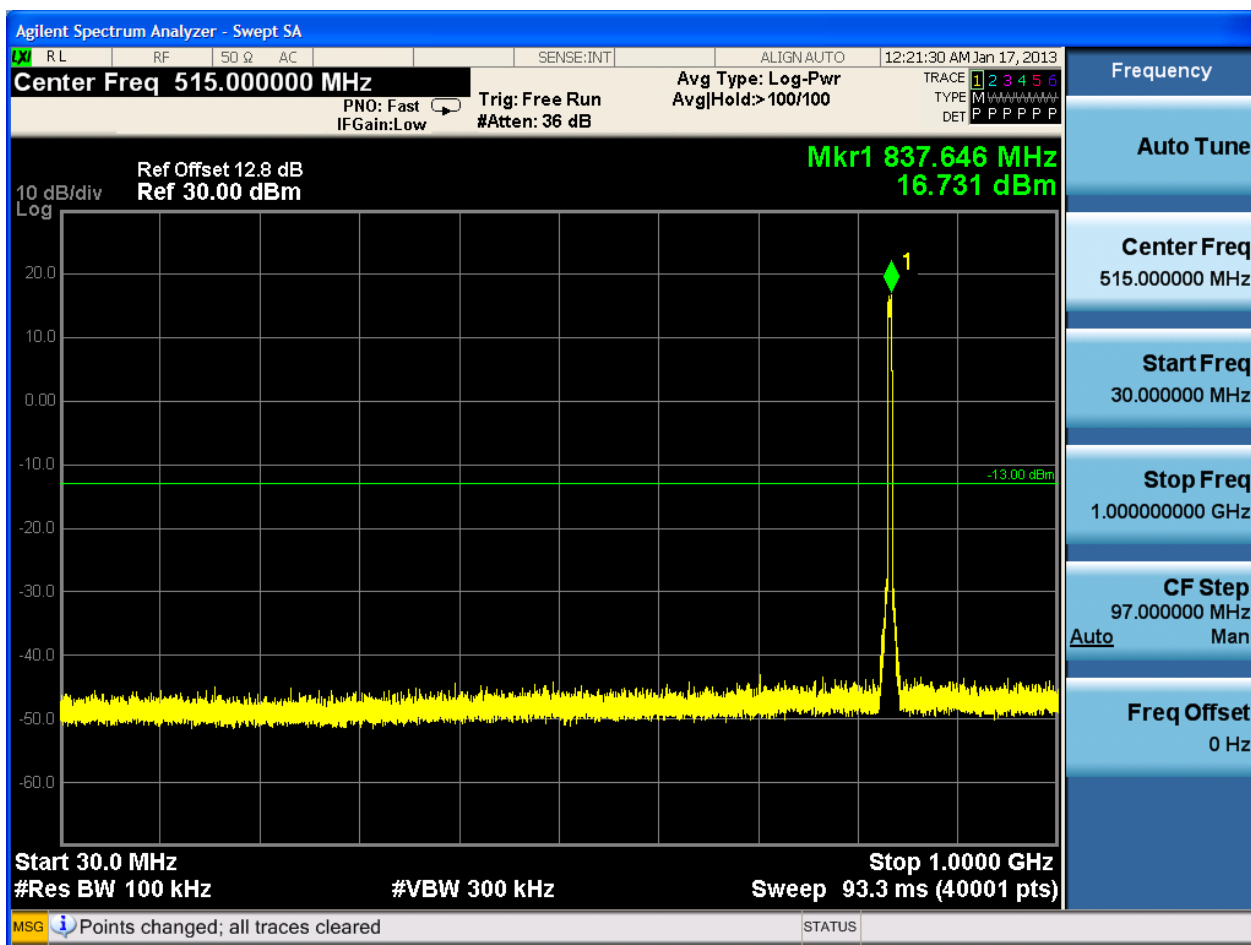


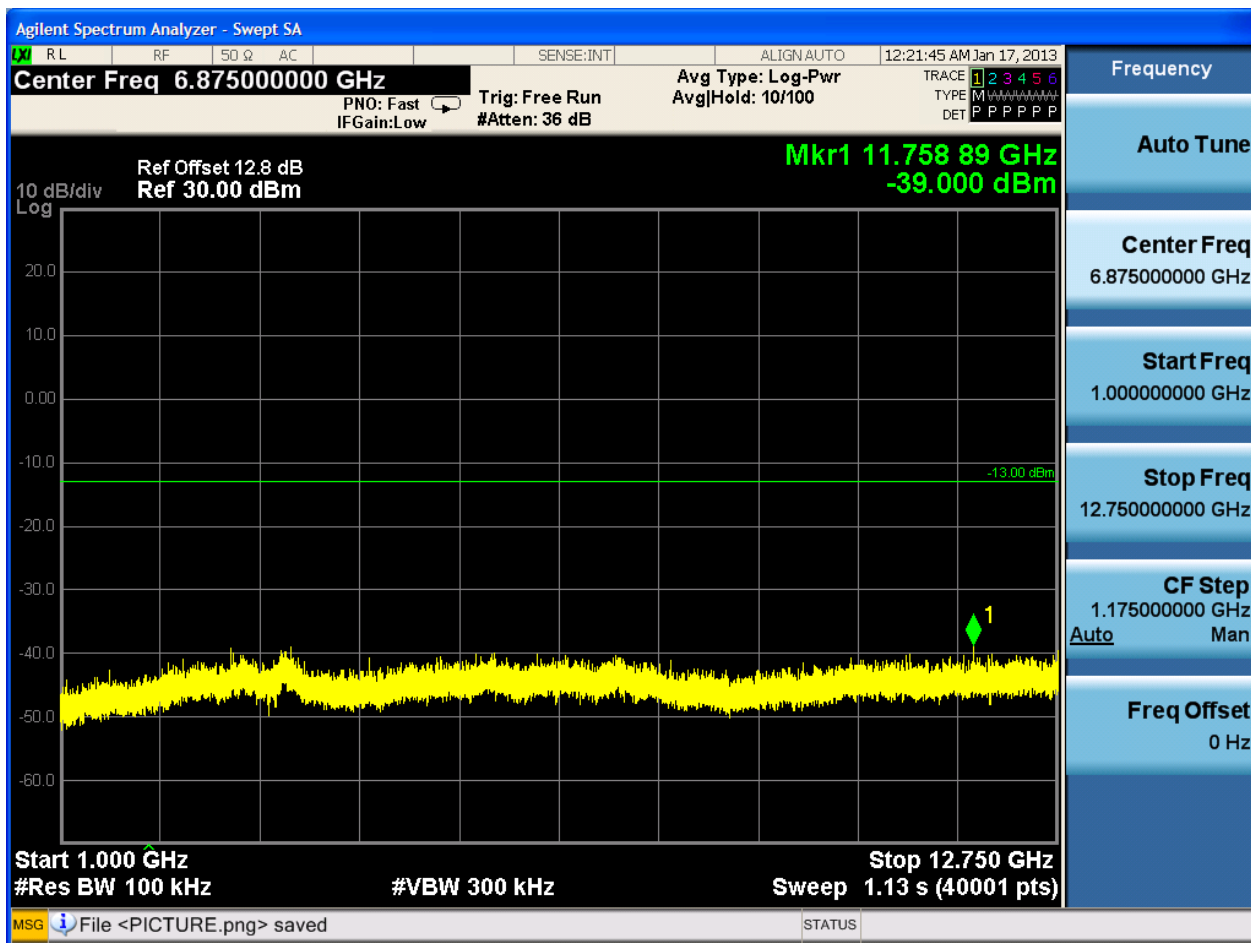


4.2.1.1.2 Test Channel = MCH



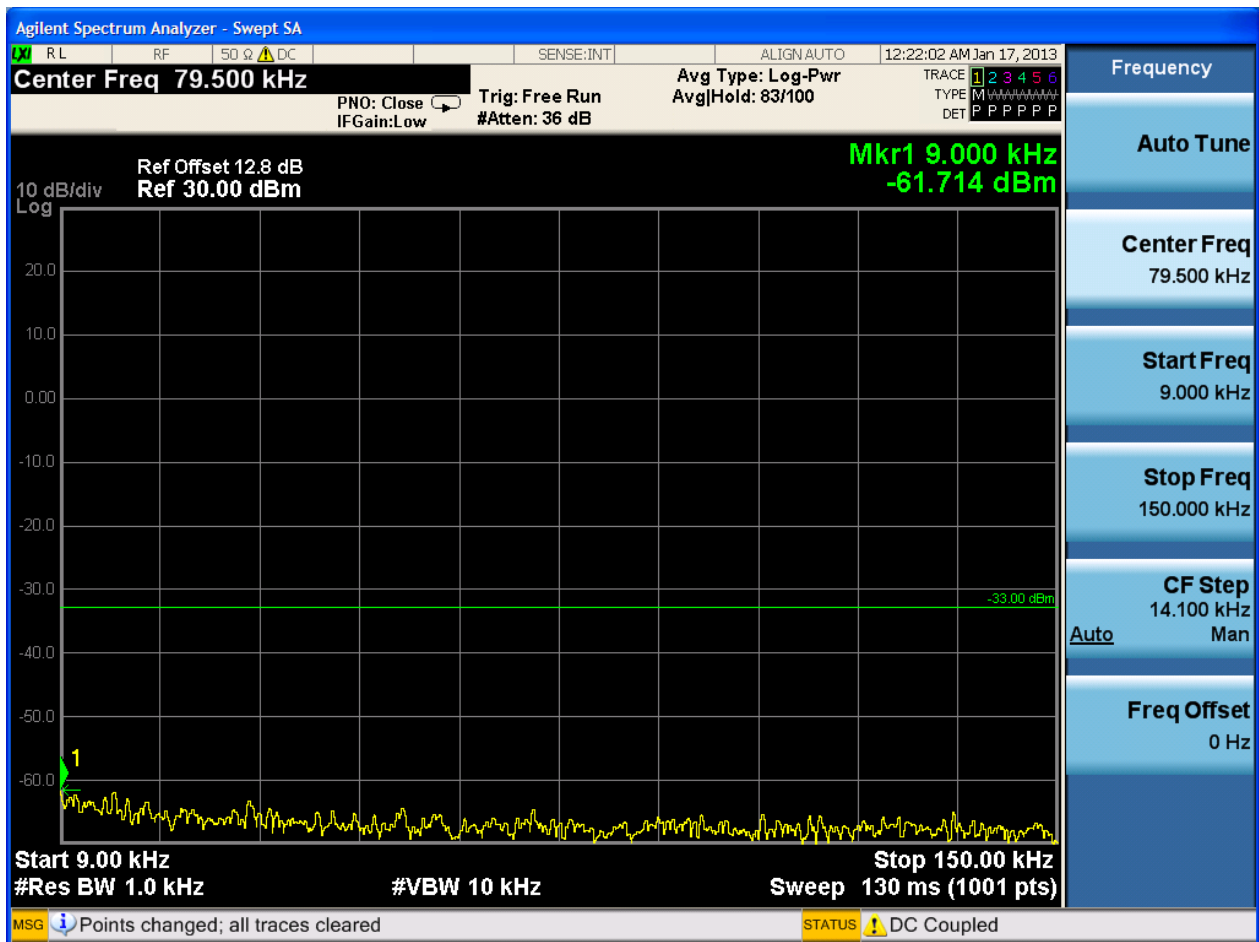


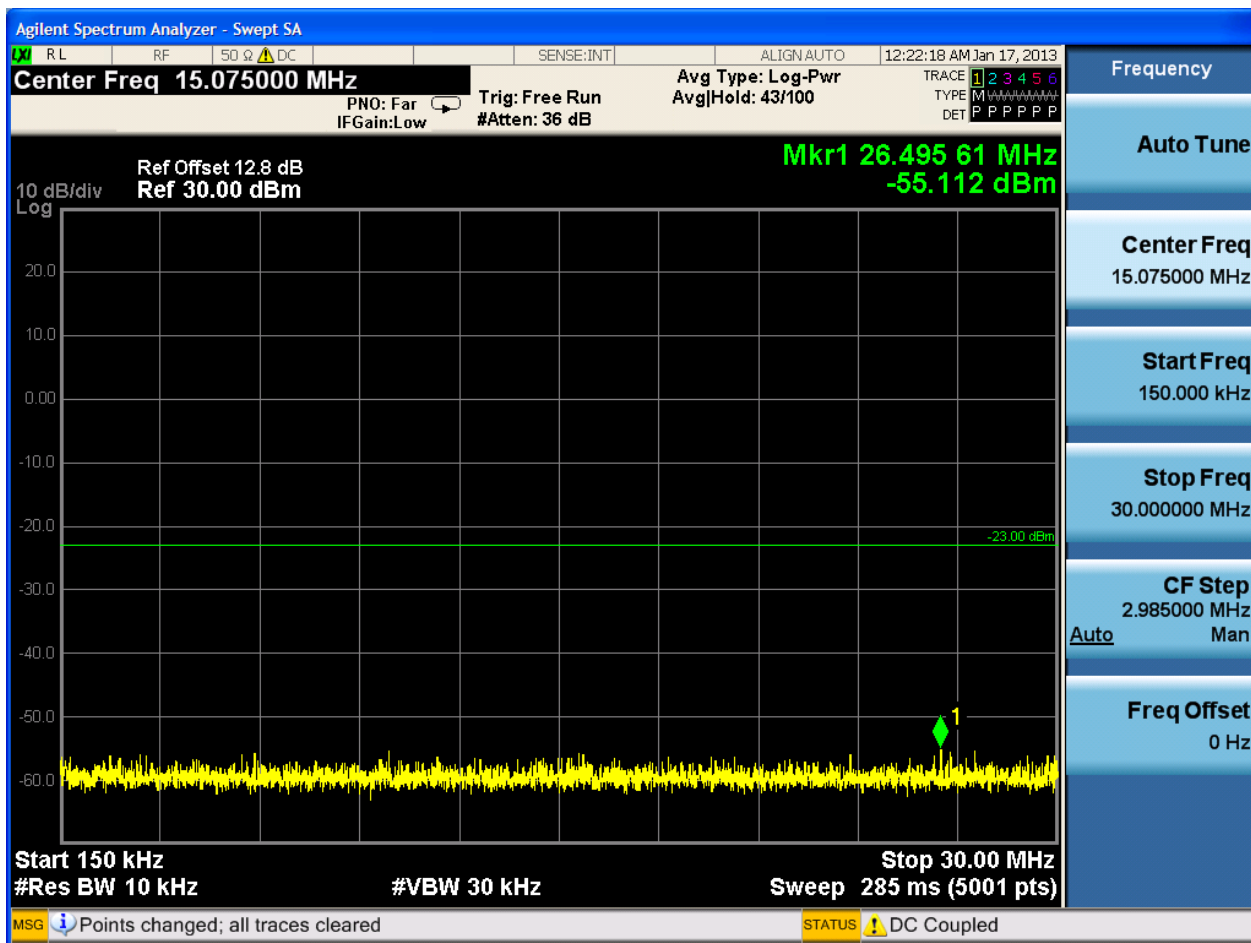


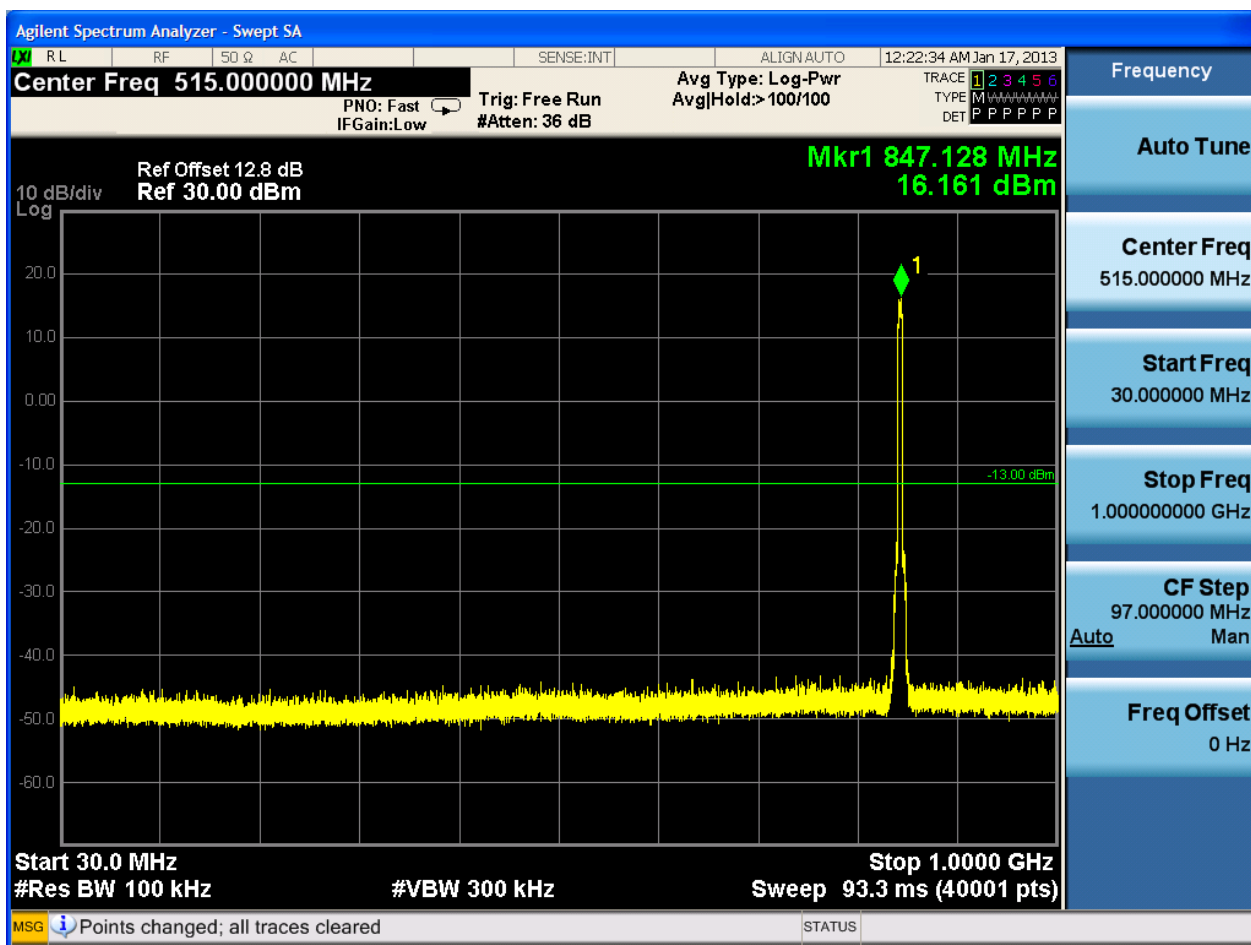


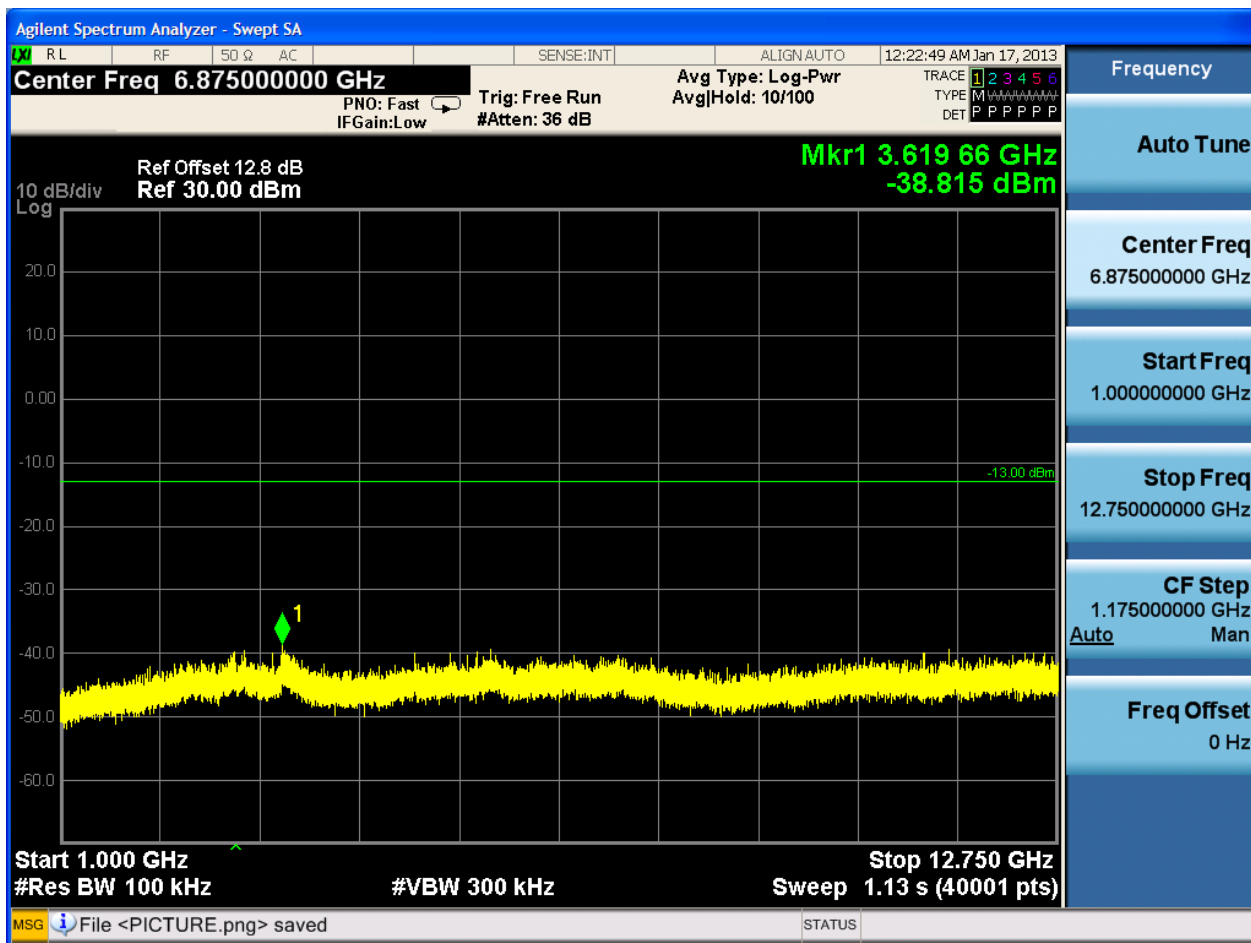


4.2.1.1.3 Test Channel = HCH





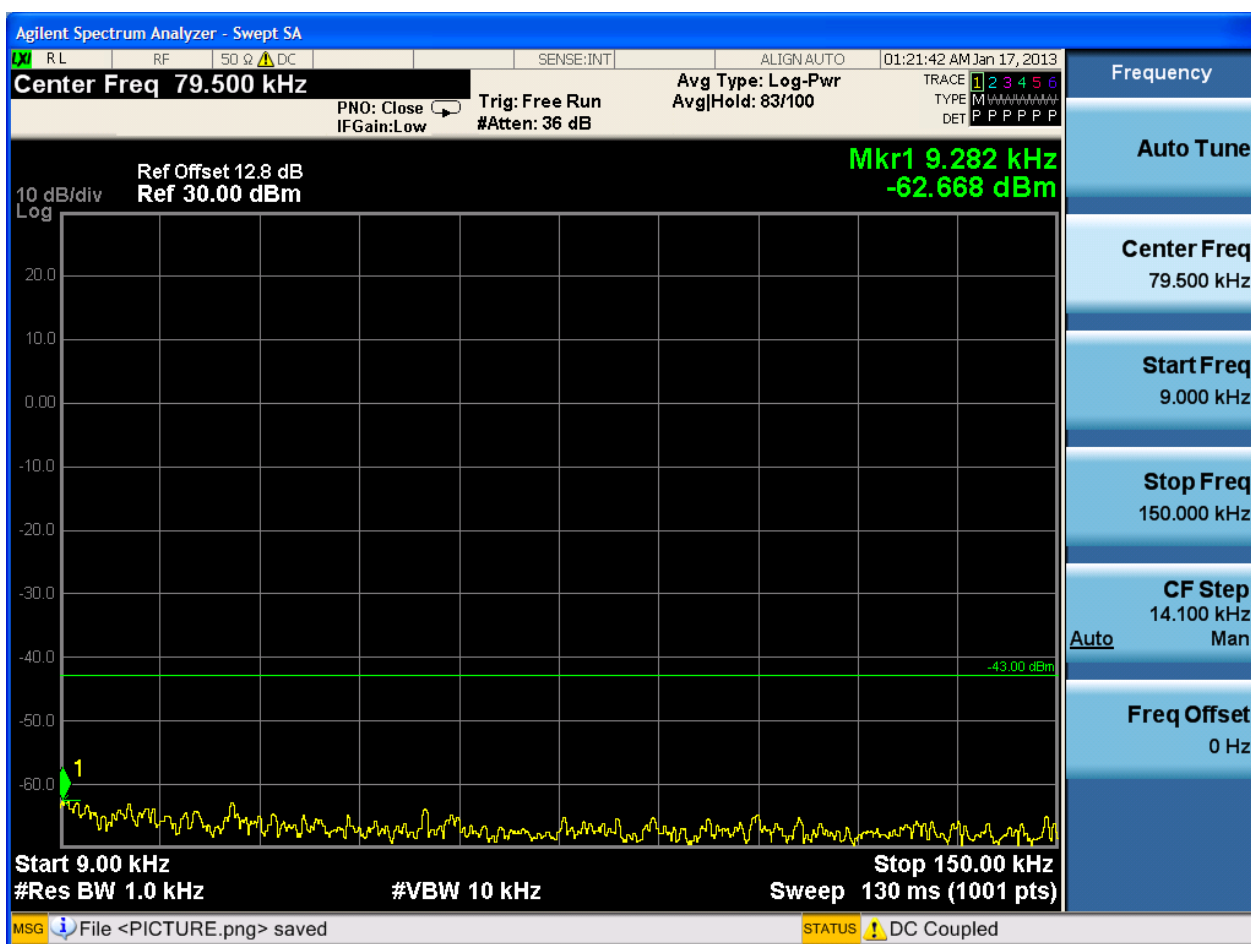


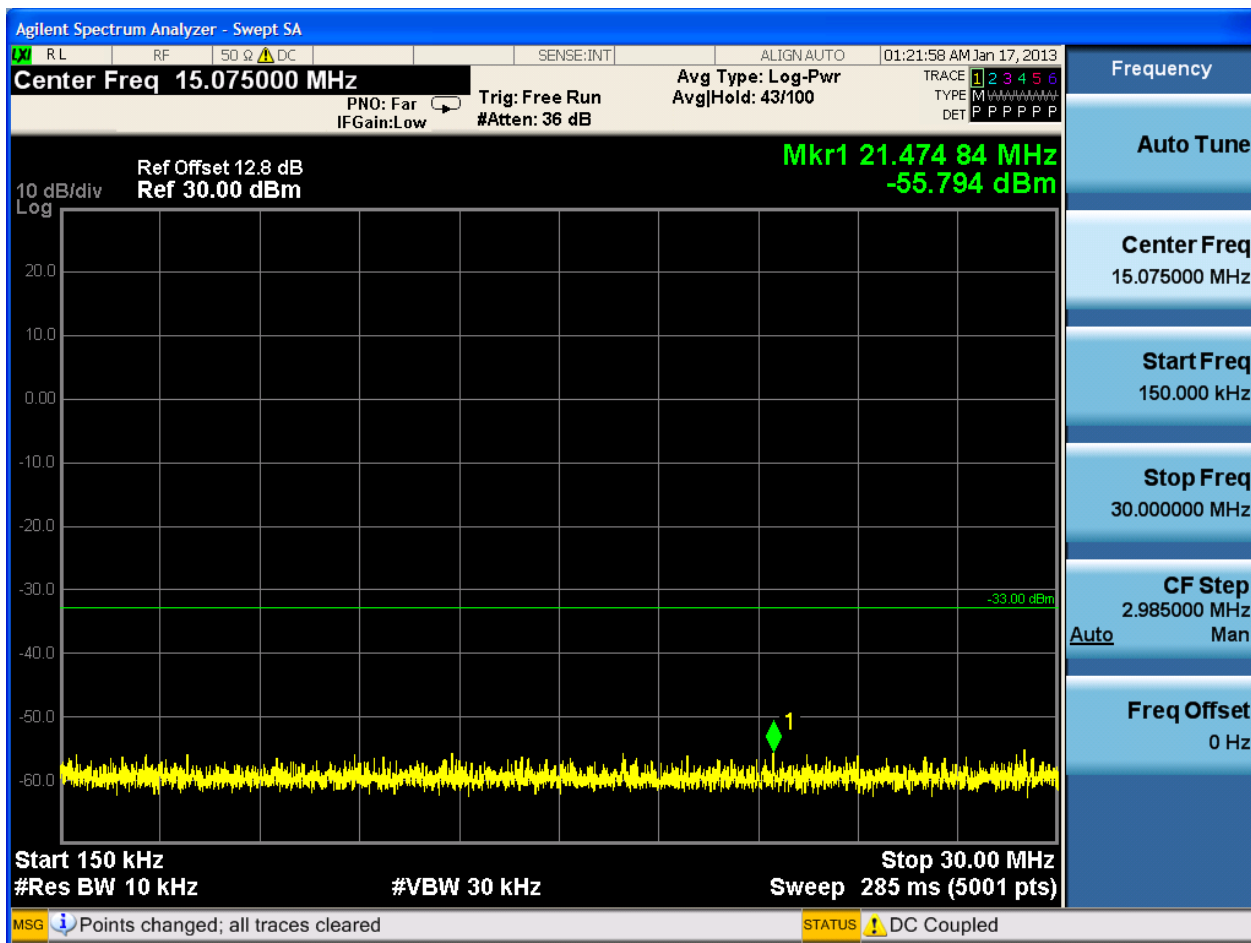


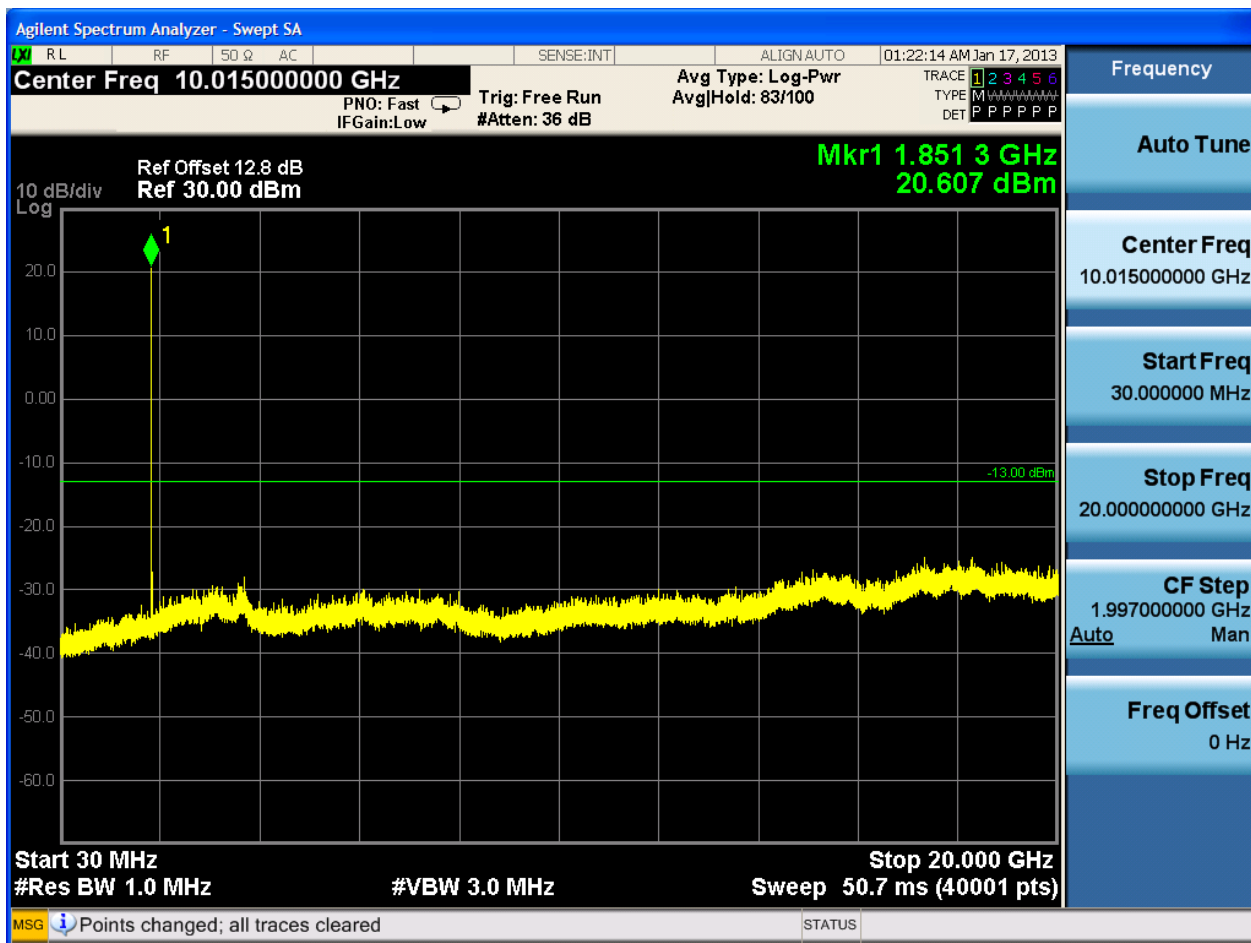
4.2.2 Test Band = WCDMA1900

4.2.2.1 Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH

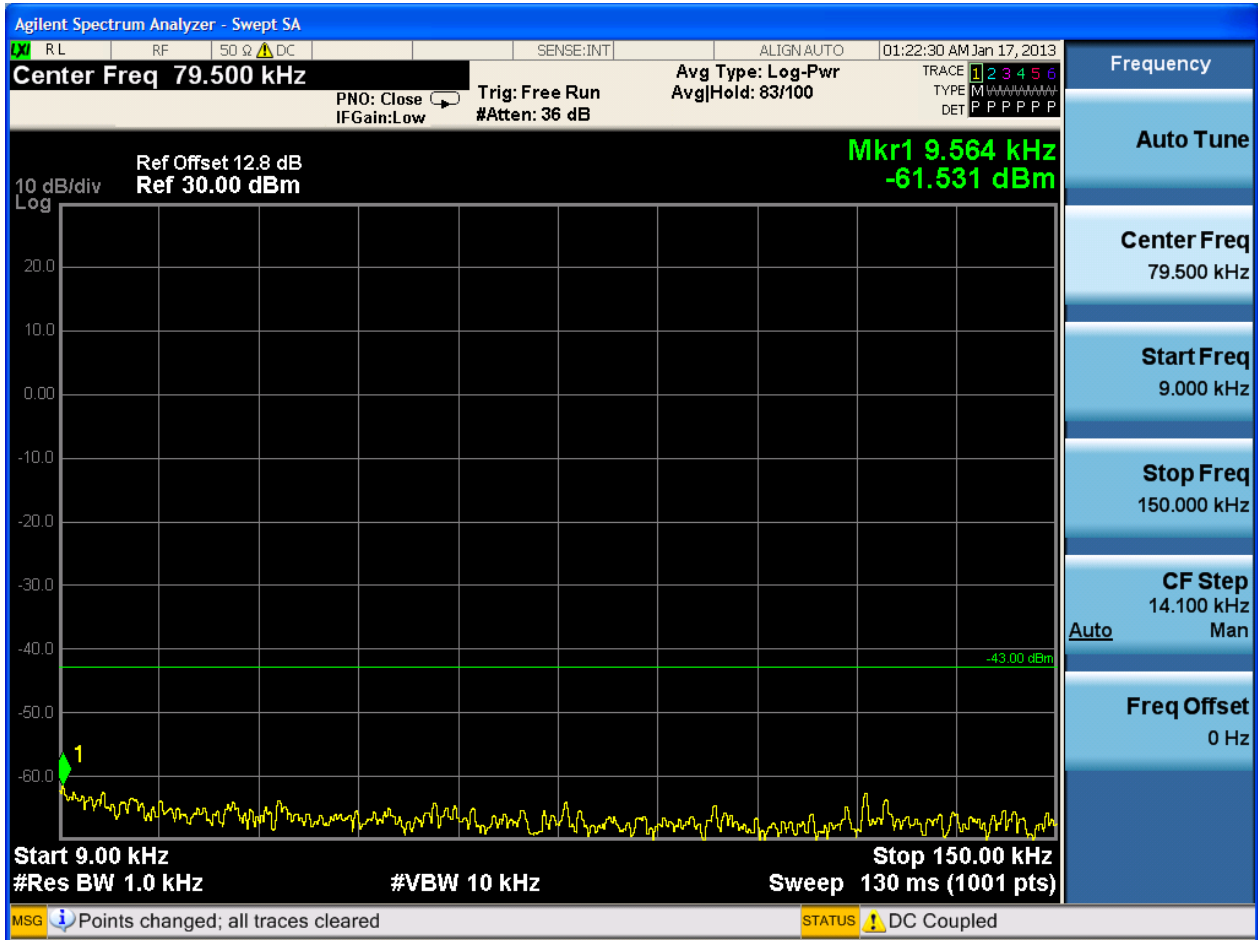


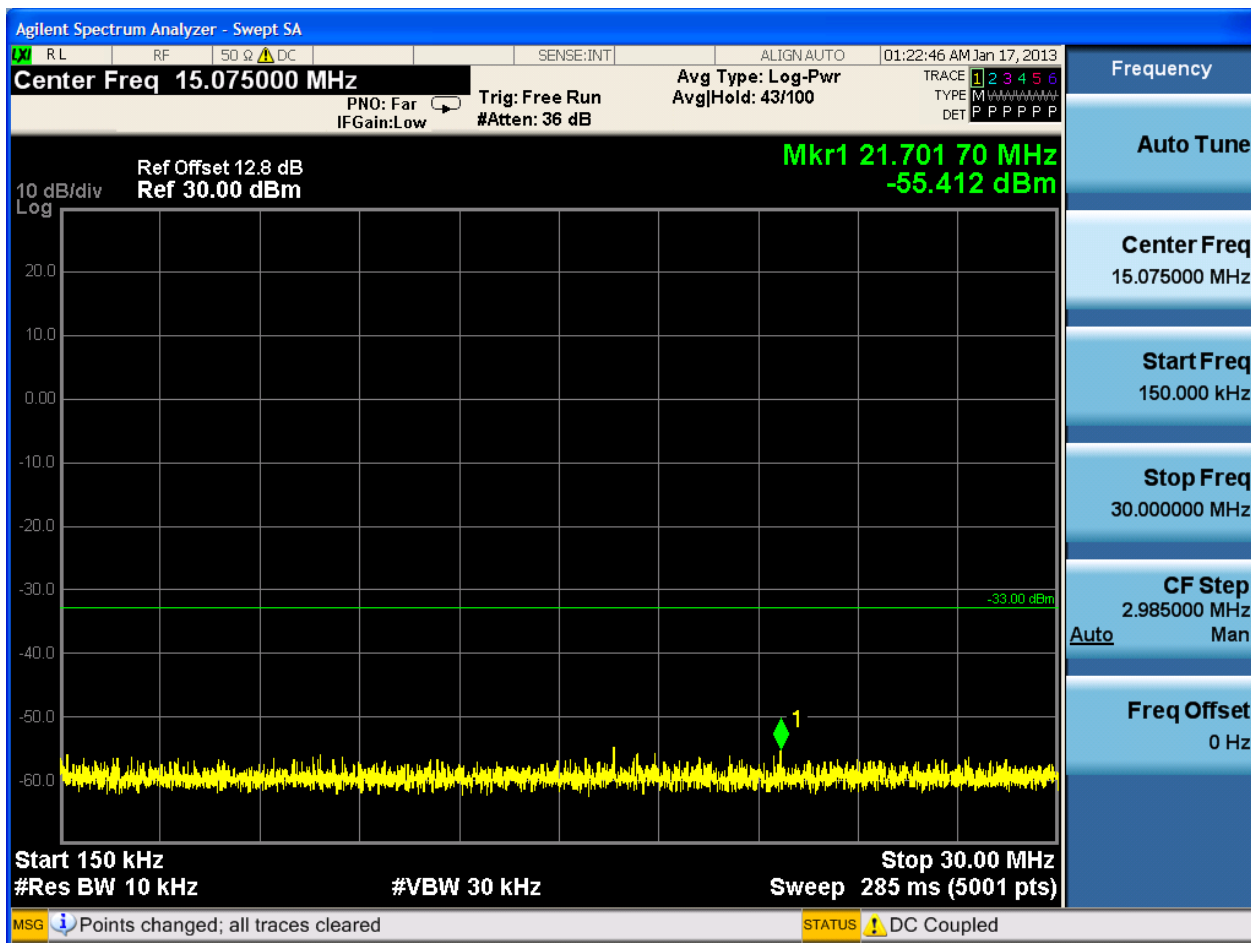






4.2.2.1.2 Test Channel = MCH



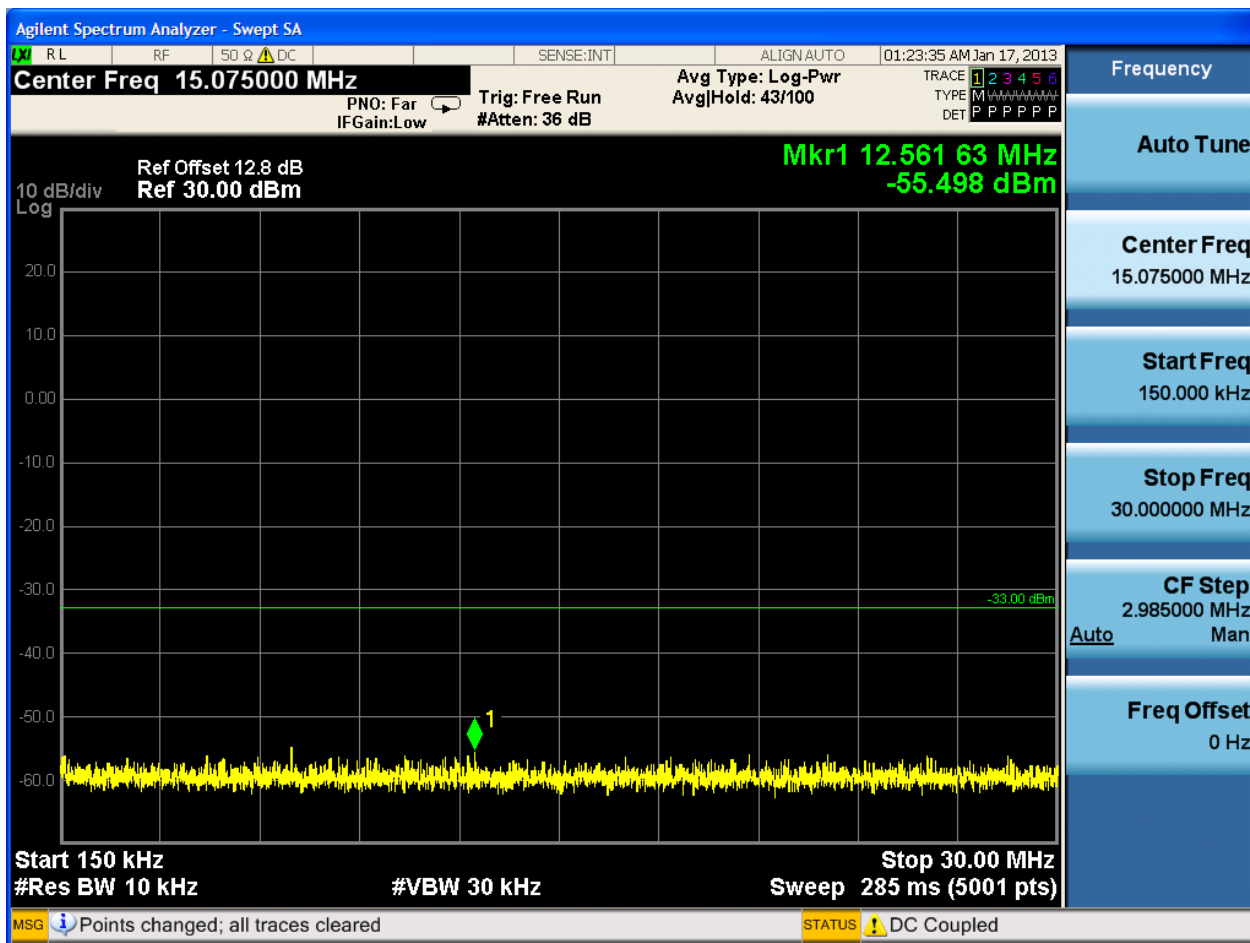


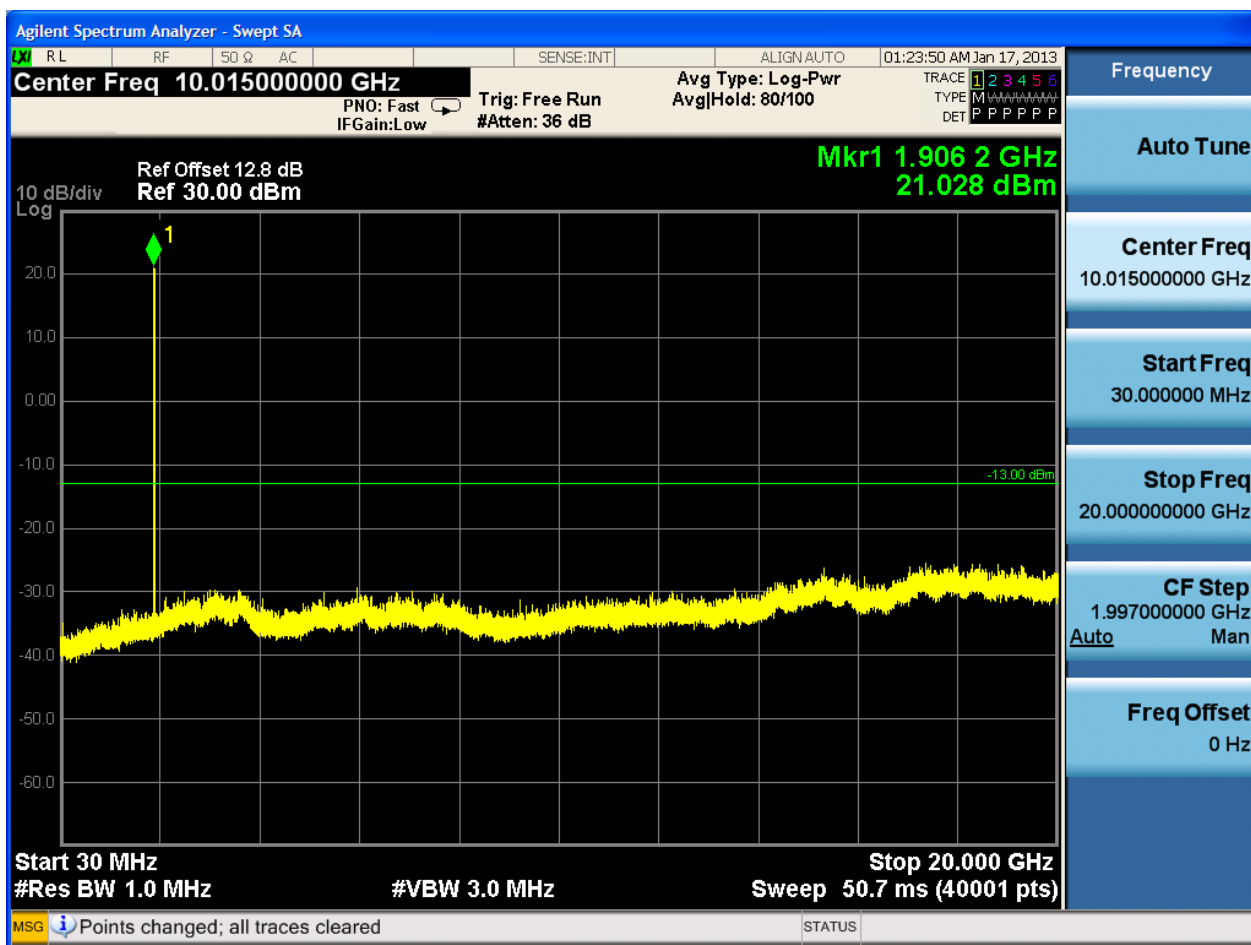




4.2.2.1.3 Test Channel = HCH







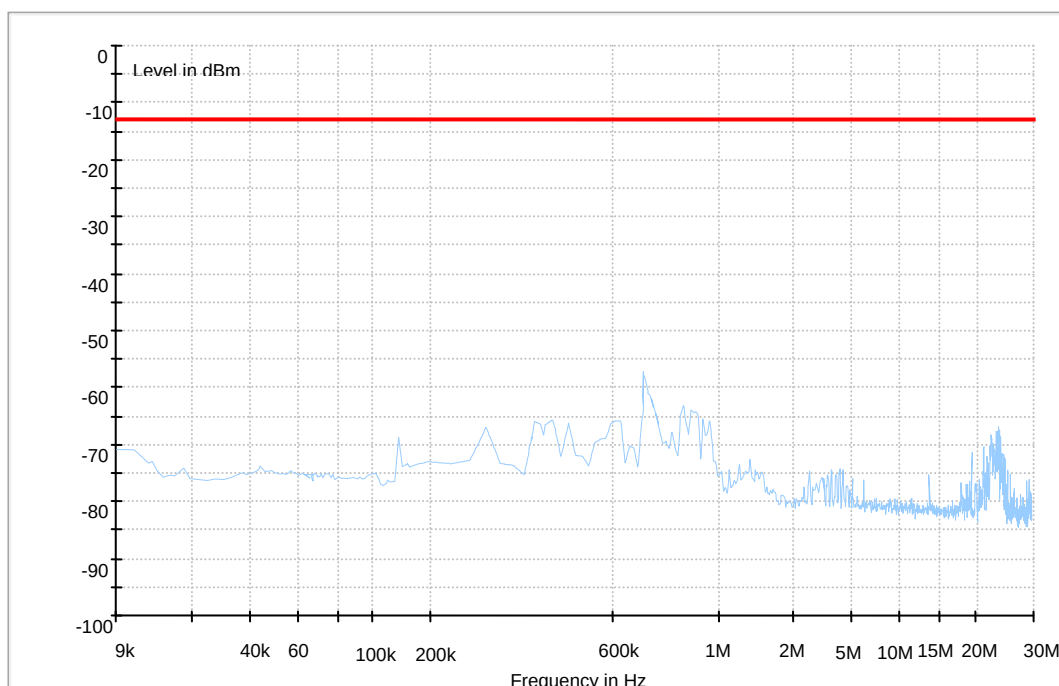
5Appendix_E: Field Strength of Spurious Radiation

5.1For GSM

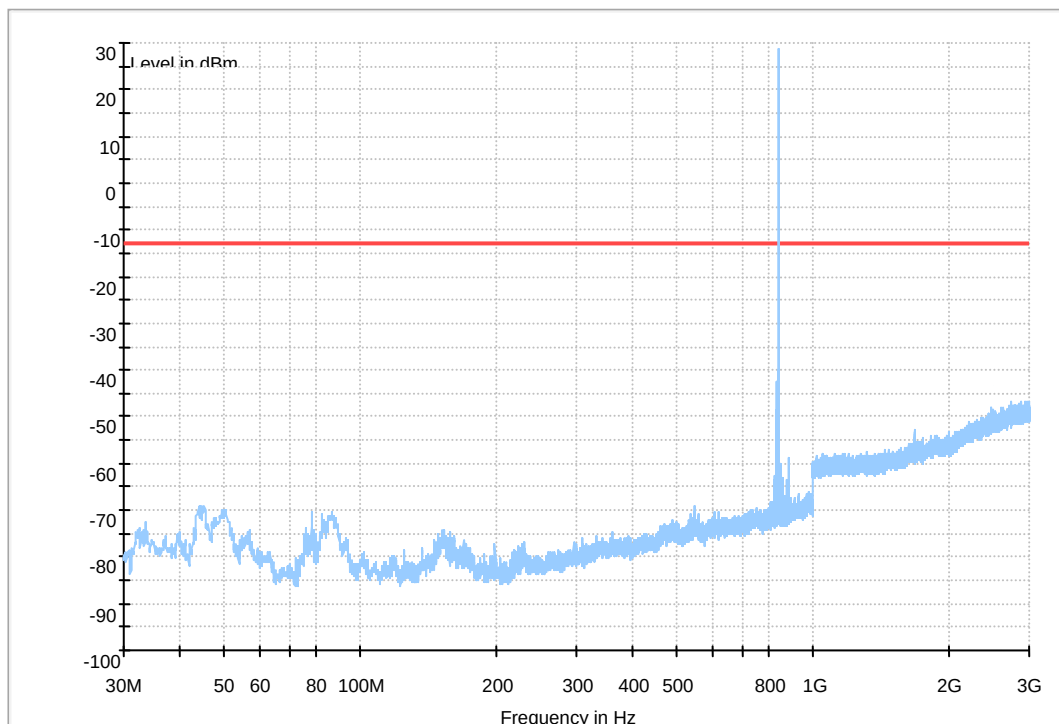
5.1.1Test Band=GSM850

5.1.1.1Test mode=GSM/TM1

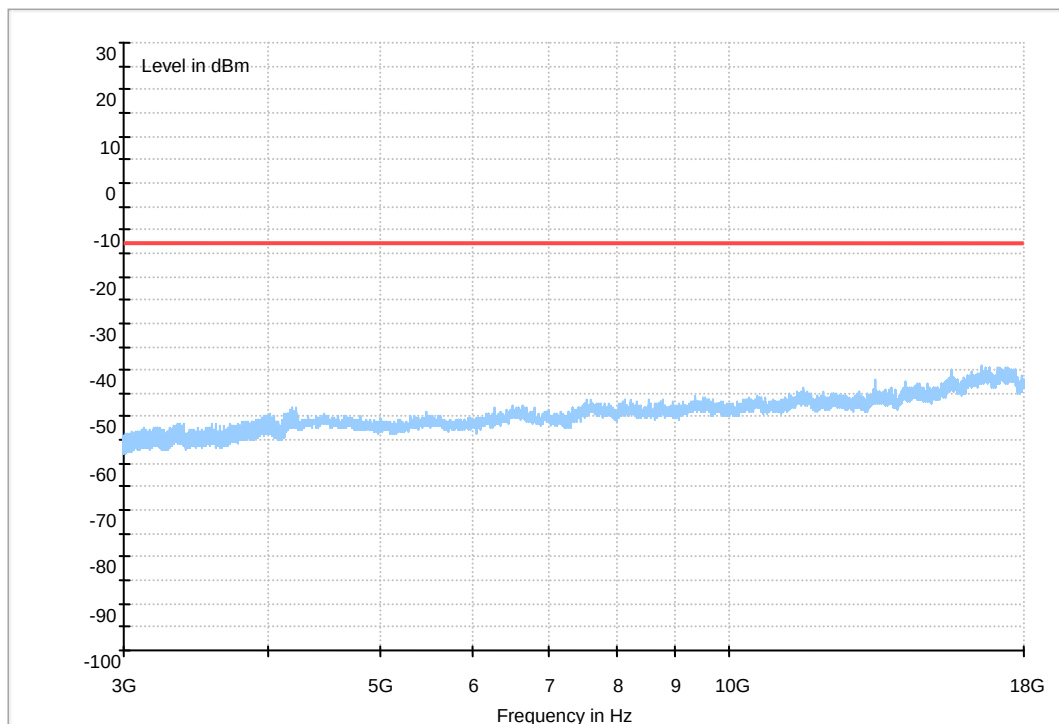
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

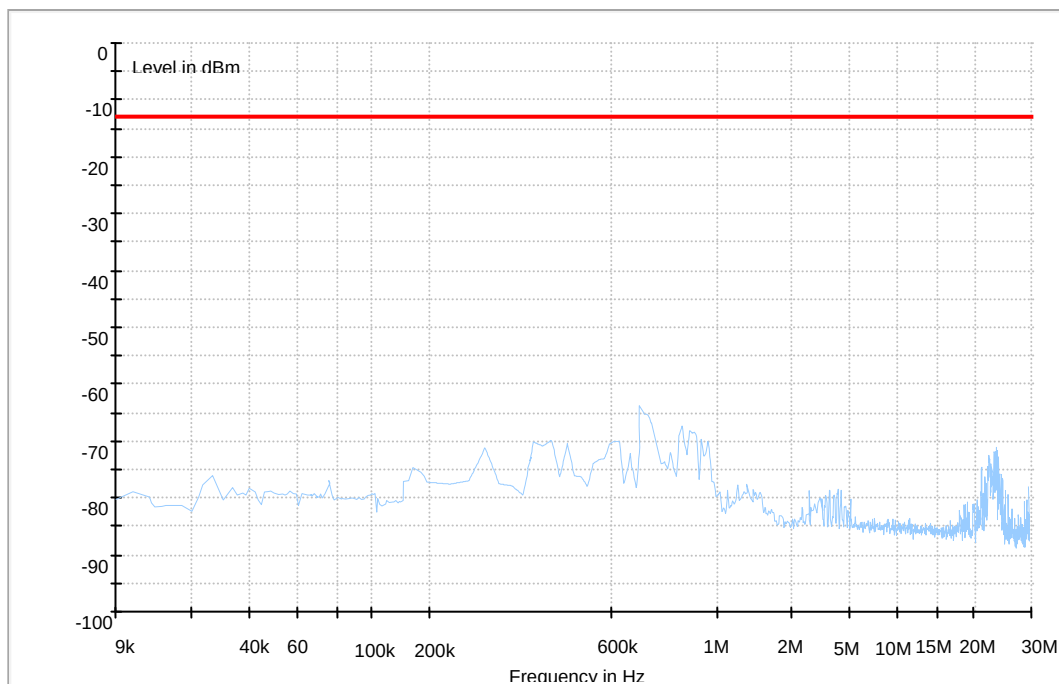


Traffic Mode (3GHz-18GHz)

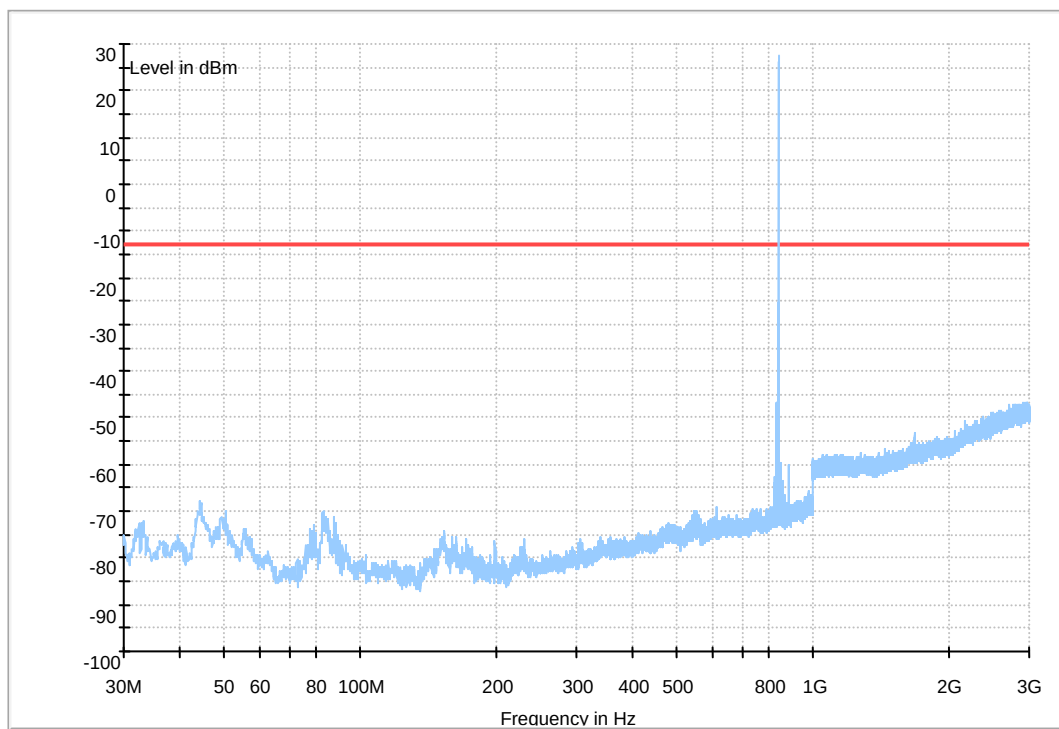


5.1.1.2 Test mode=GSM/TM2

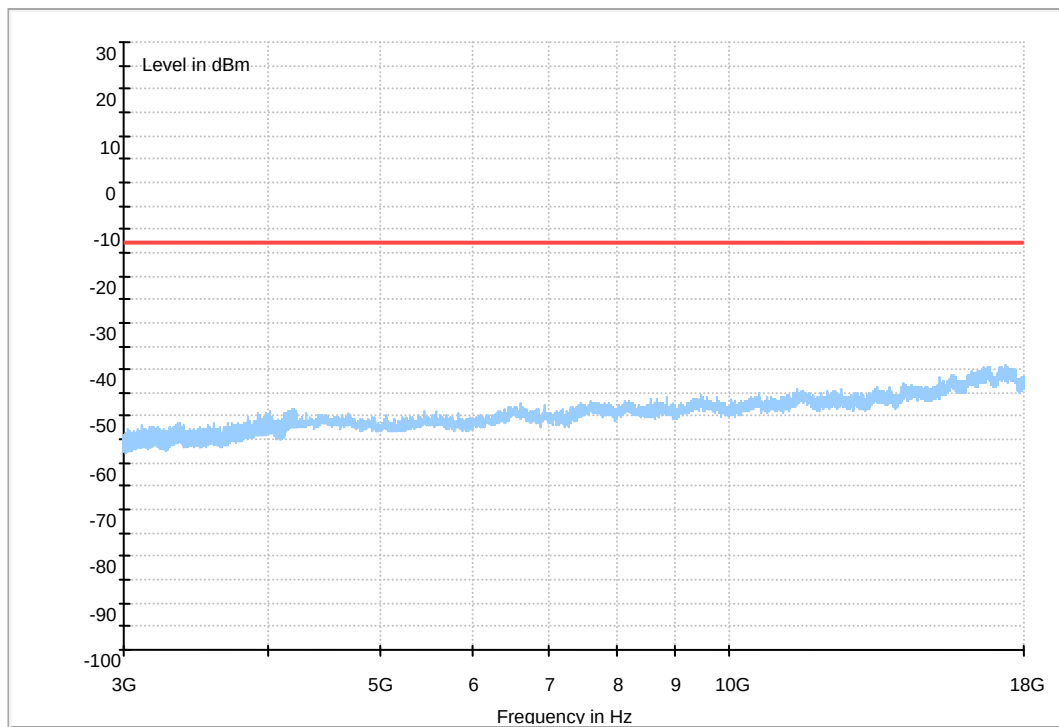
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



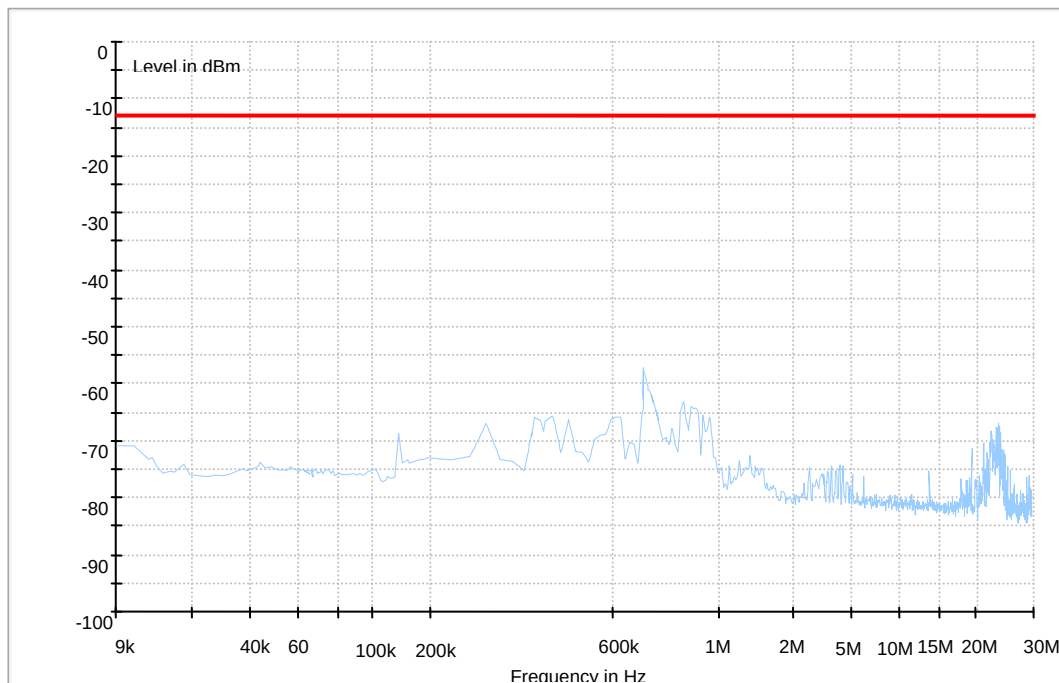
Traffic Mode (3GHz-18GHz)



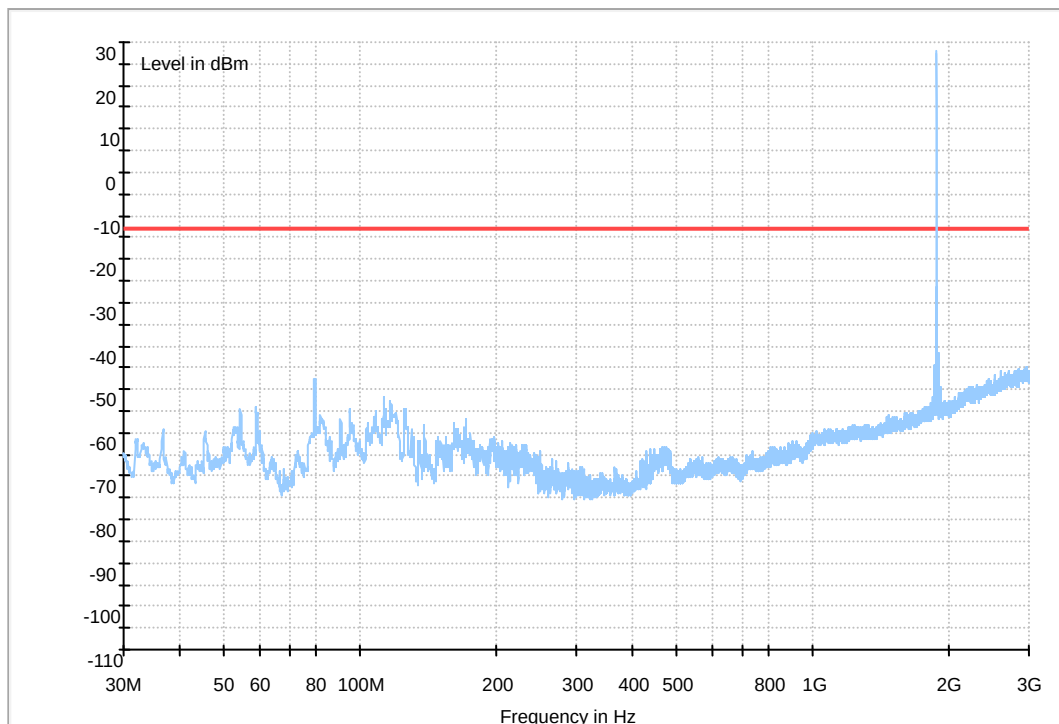
5.1.2 Test Band=GSM1900

5.1.2.1 Test mode=GSM/TM1

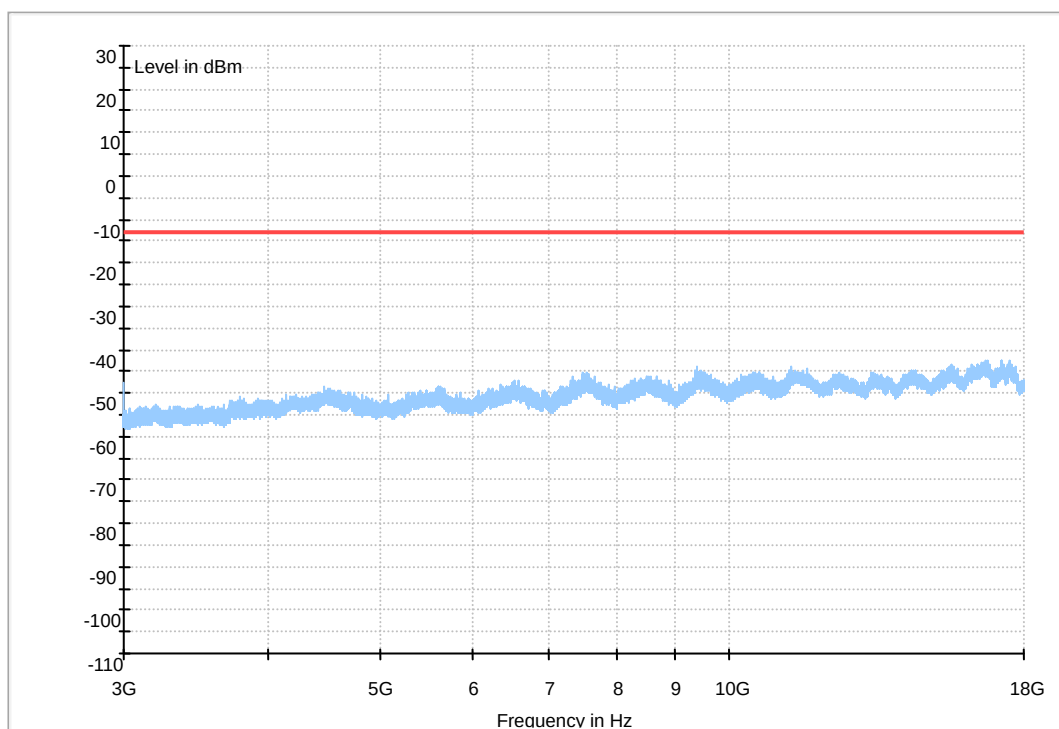
Traffic Mode (9kHz-30MHz)



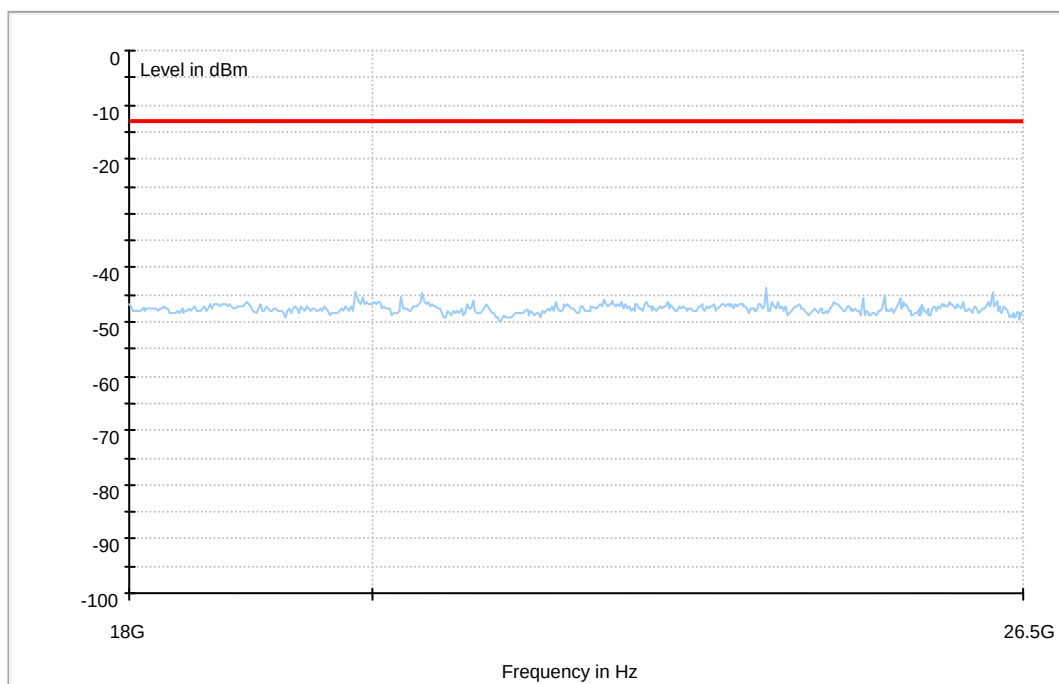
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

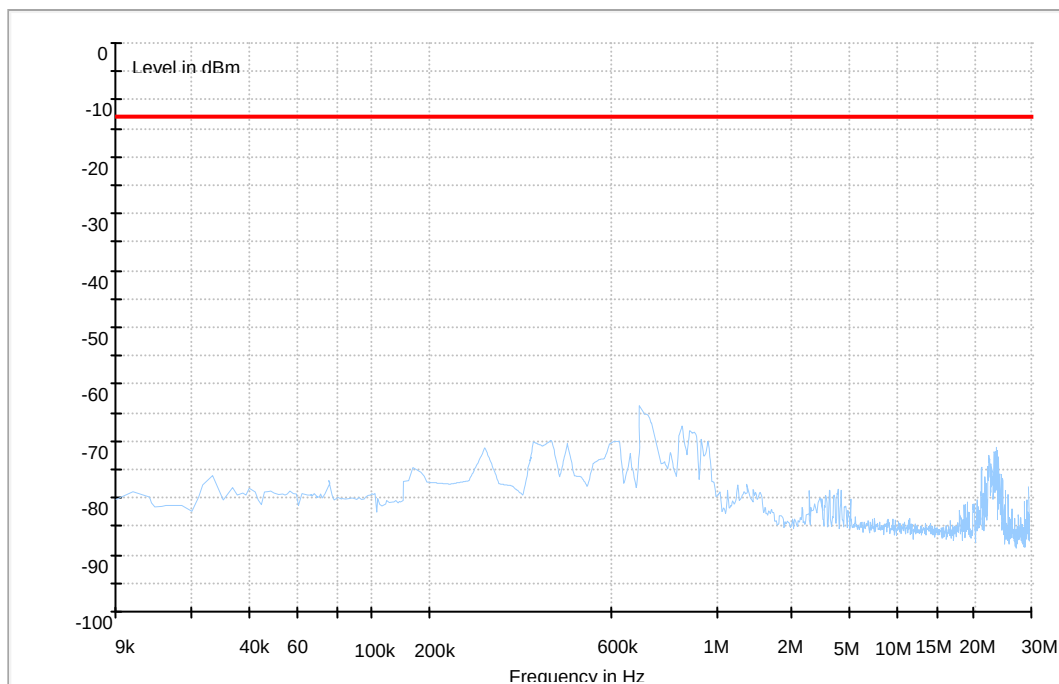


Traffic Mode (18GHz-26.5GHz)

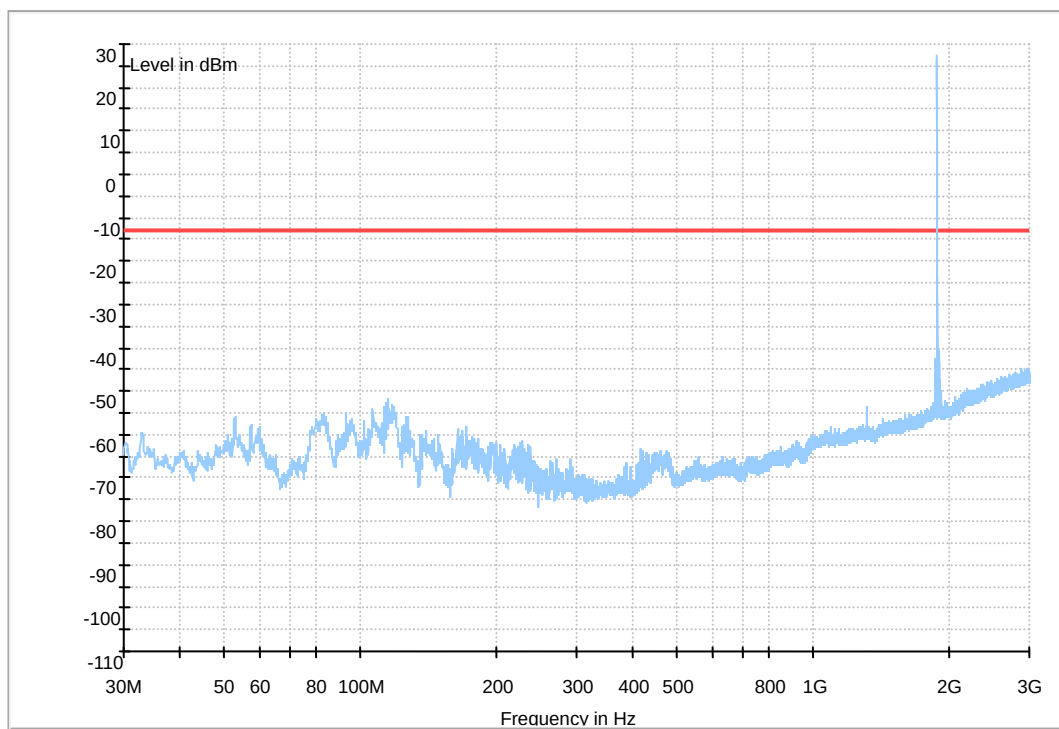


5.1.2.2 Test mode=GSM/TM2

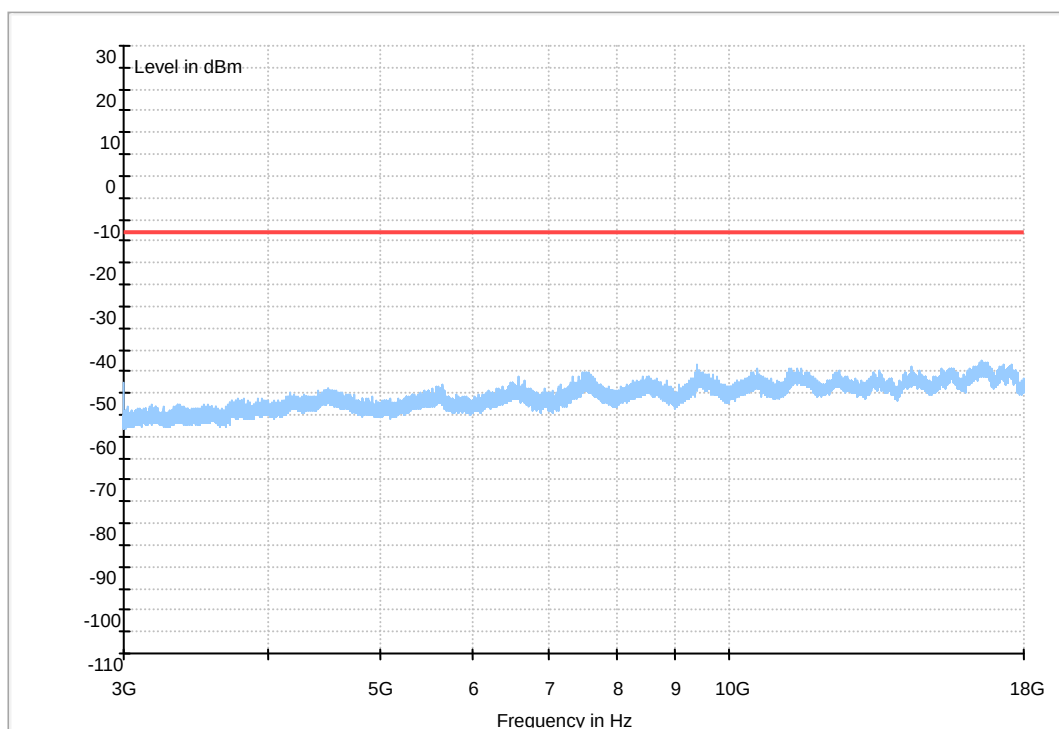
Traffic Mode (9kHz-30MHz)



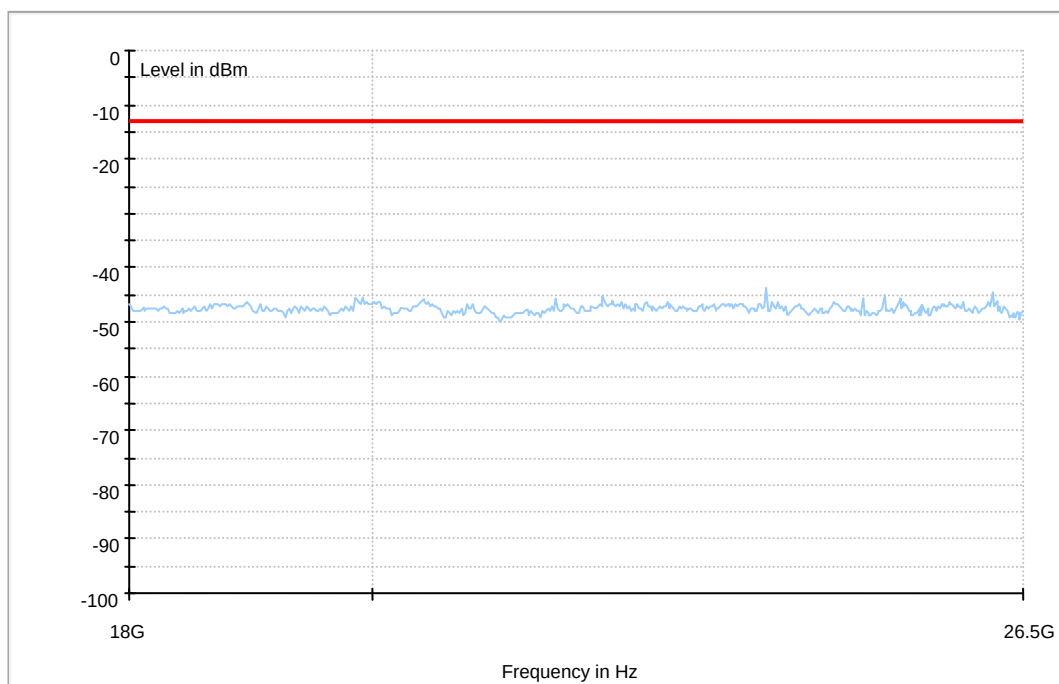
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)

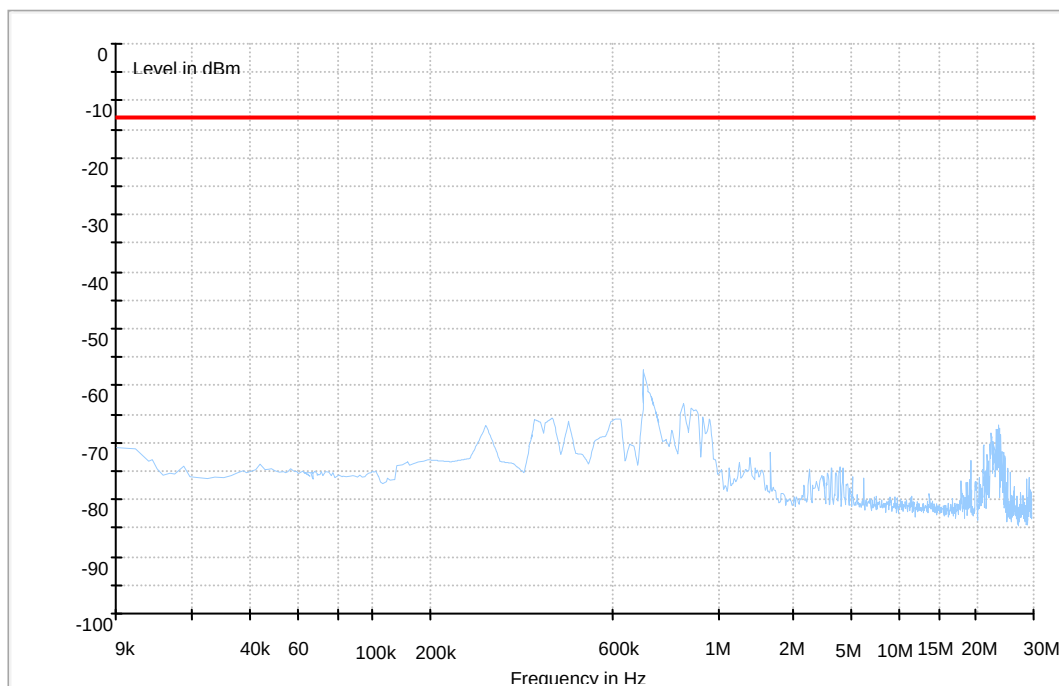


5.2 For UMTS

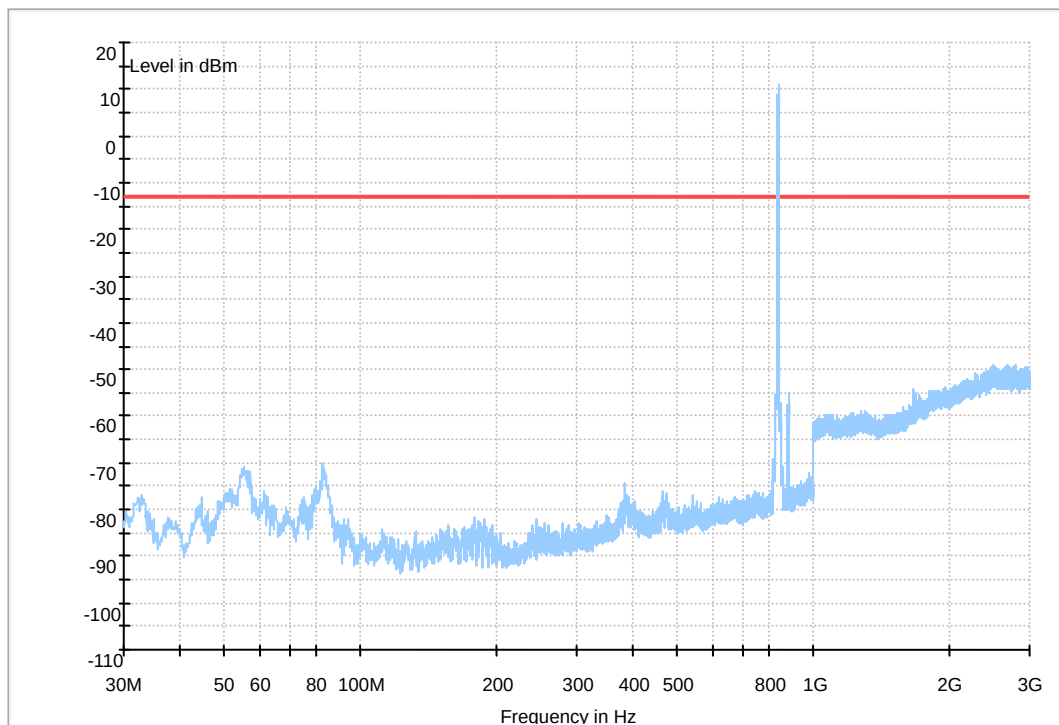
5.2.1 Test Band=WCDMA850

5.2.1.1 Test mode=UMTS/TM1

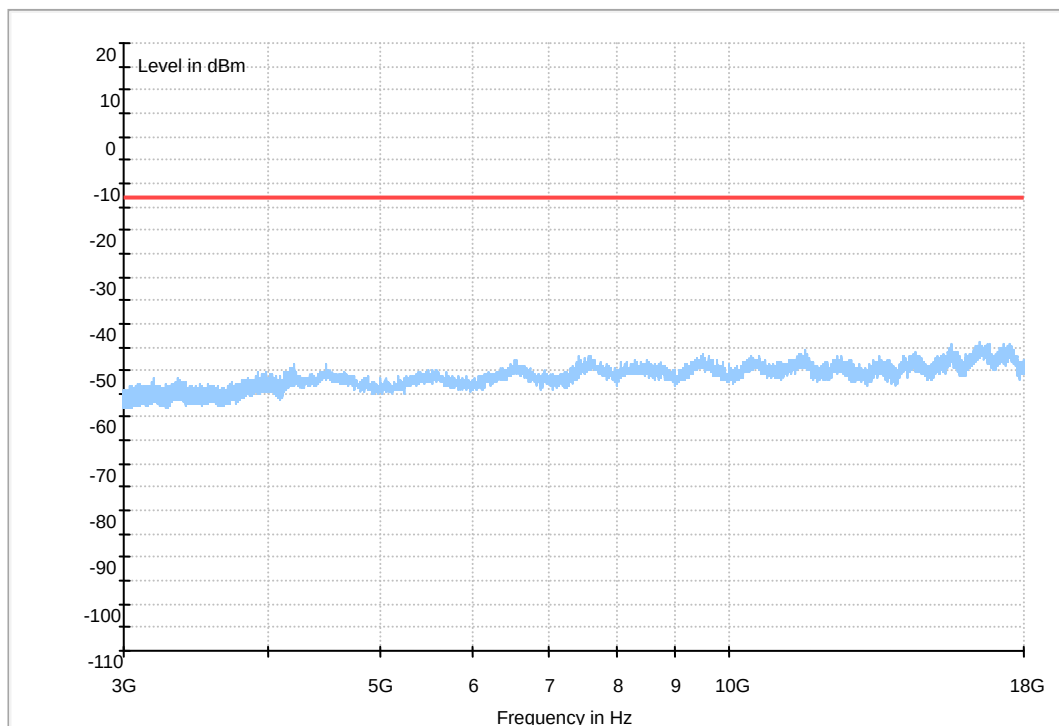
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

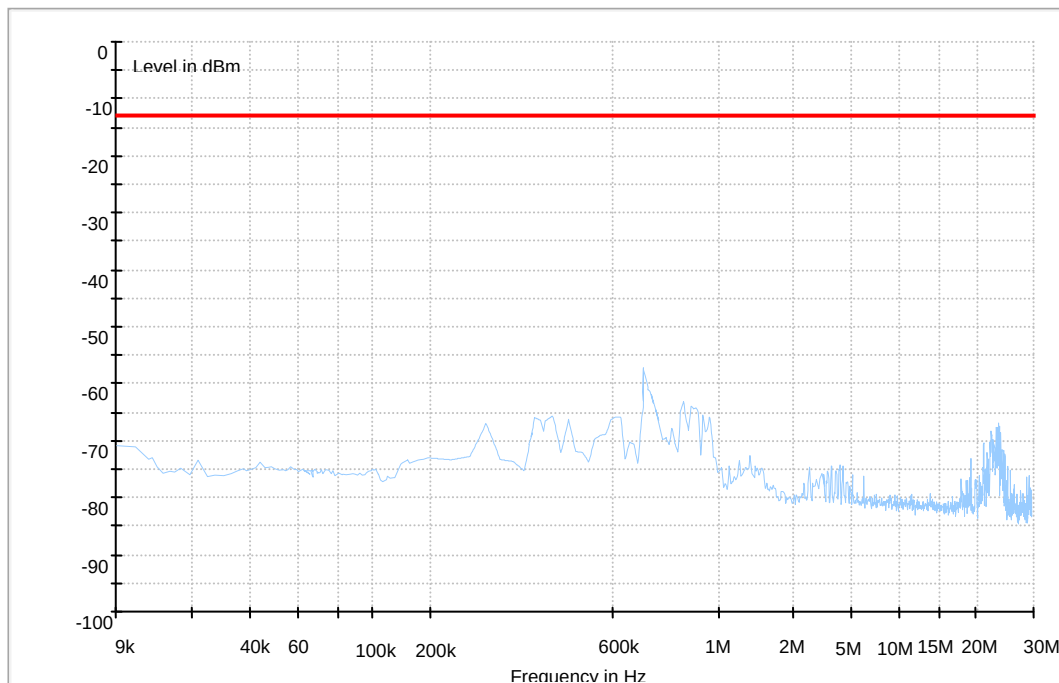


Traffic Mode (3GHz-18GHz)

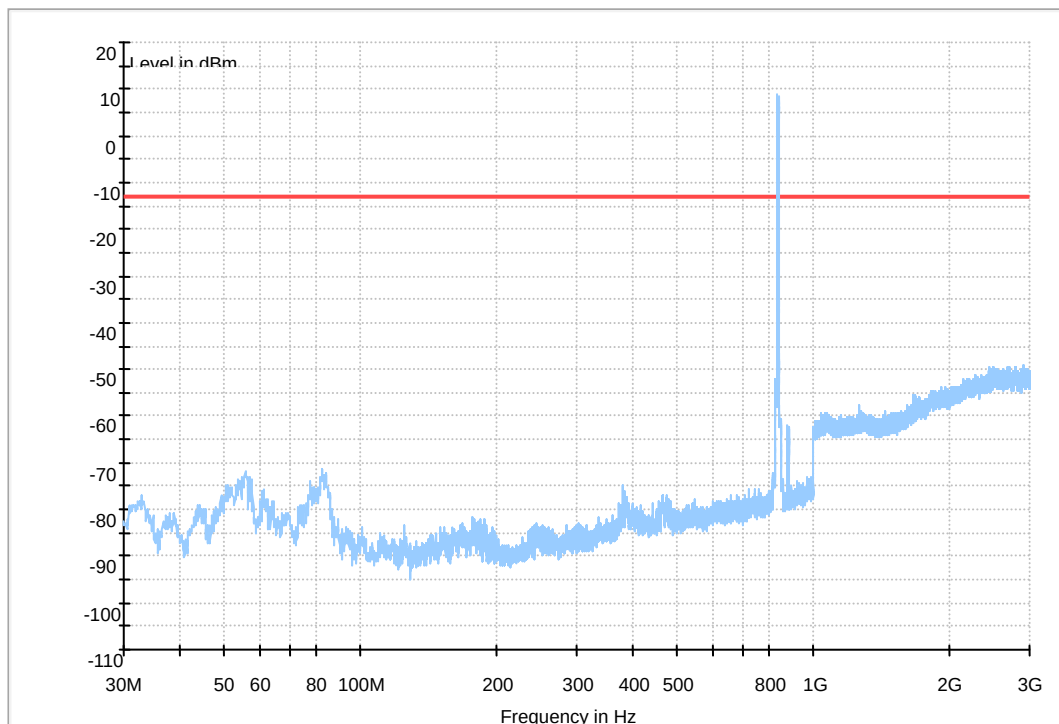


5.2.1.2 Test mode=UMTS/TM2

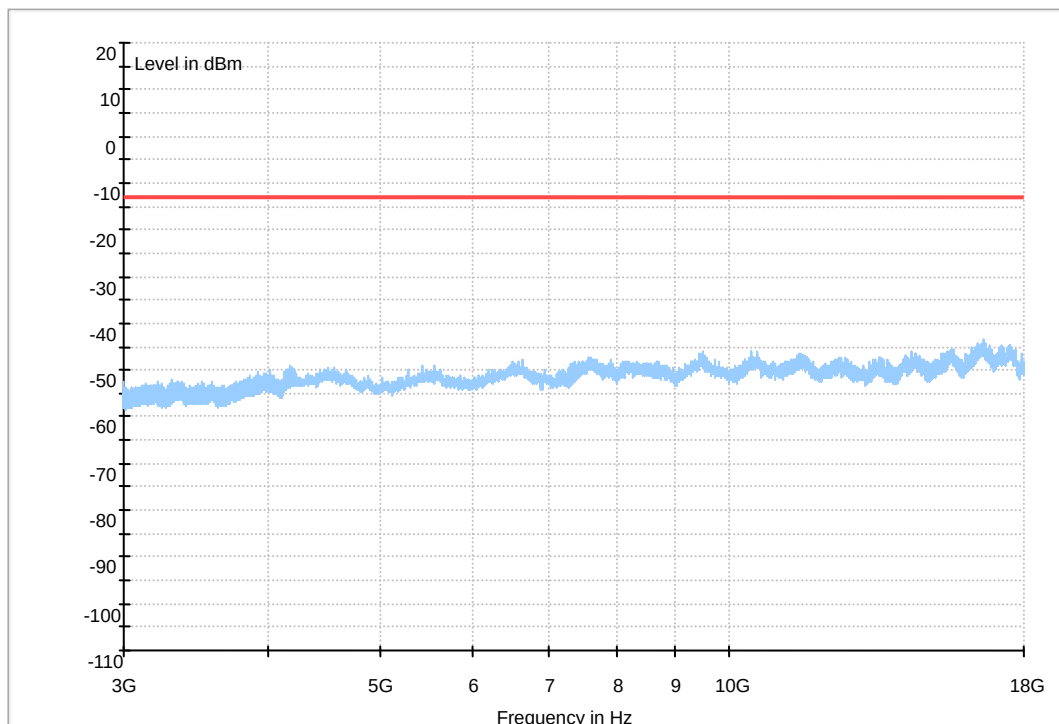
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

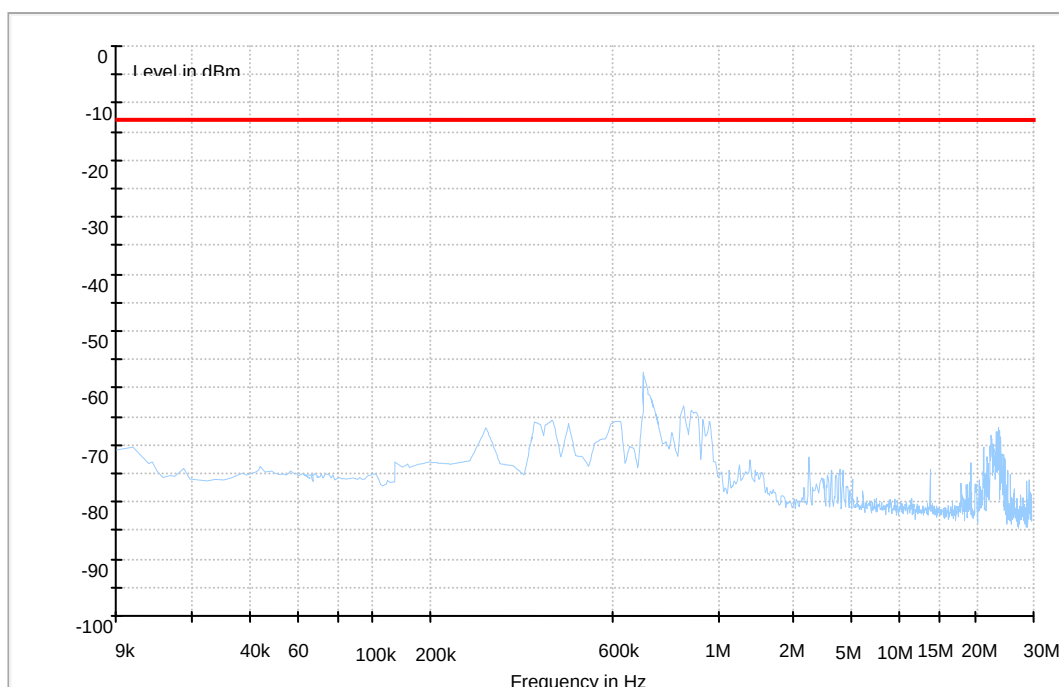


Traffic Mode (3GHz-18GHz)

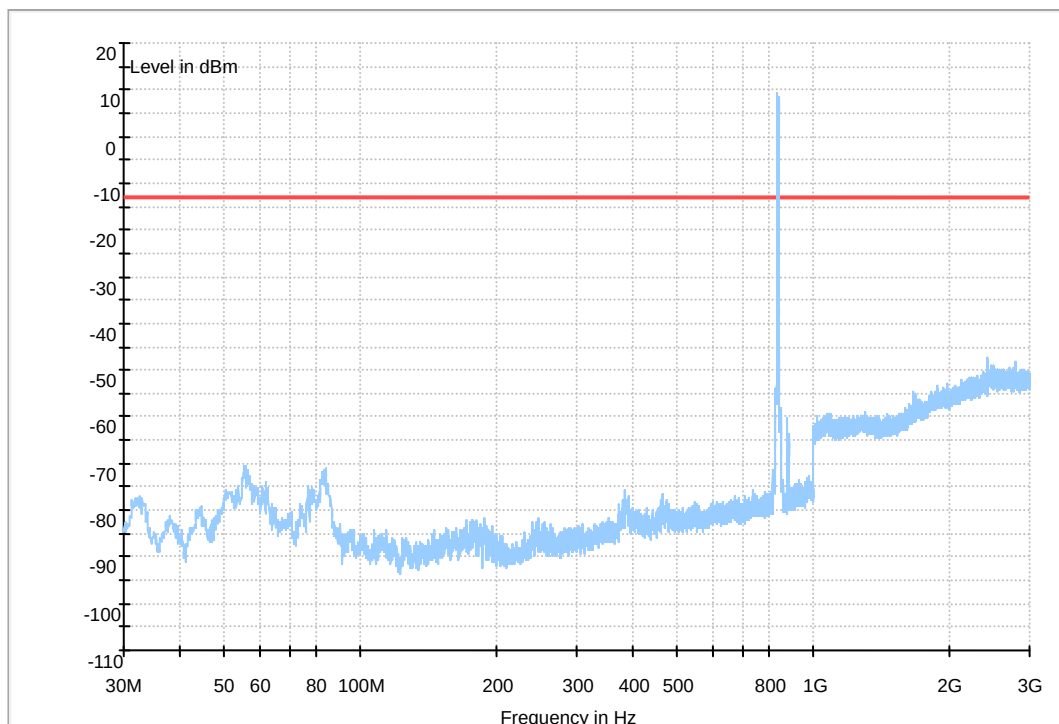


5.2.1.3 Test mode=UMTS/TM3

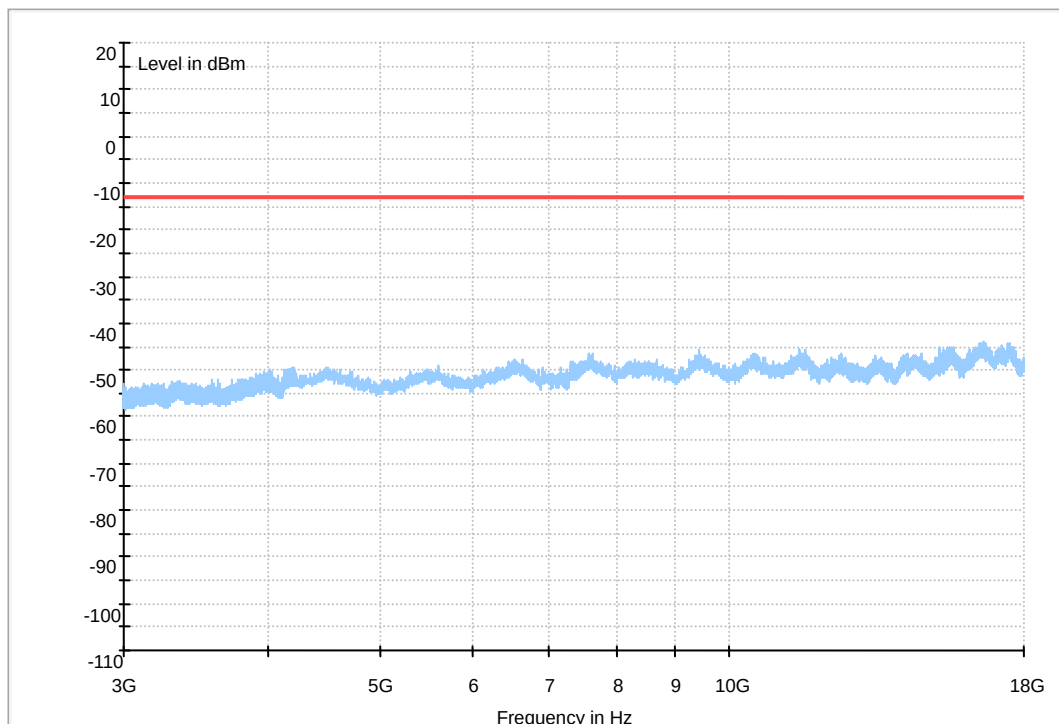
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



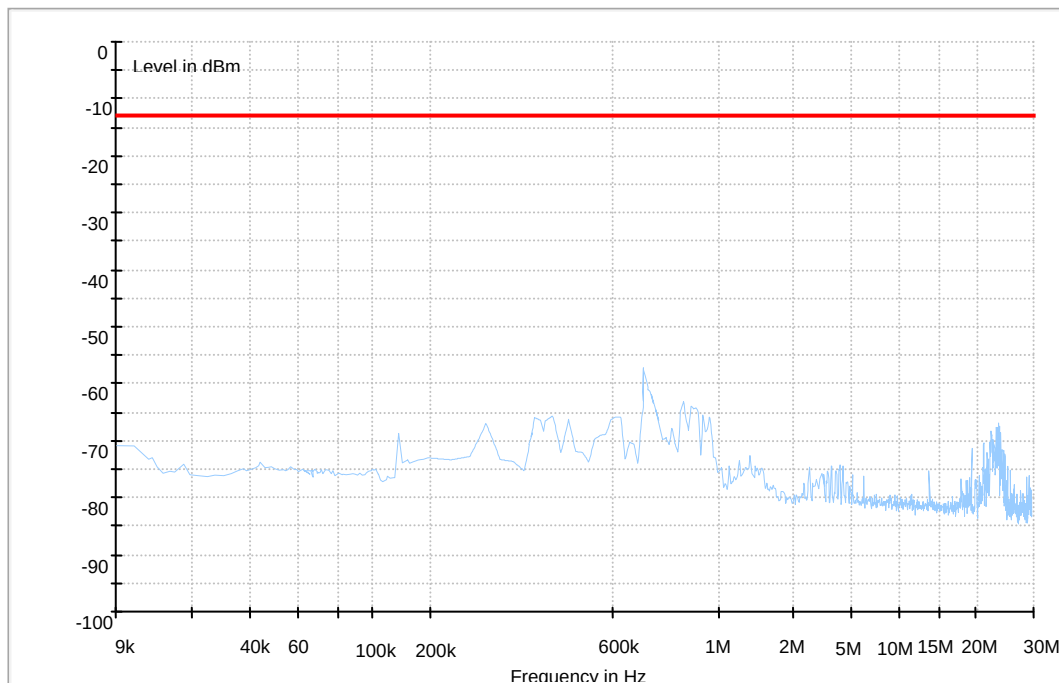
Traffic Mode (3GHz-18GHz)



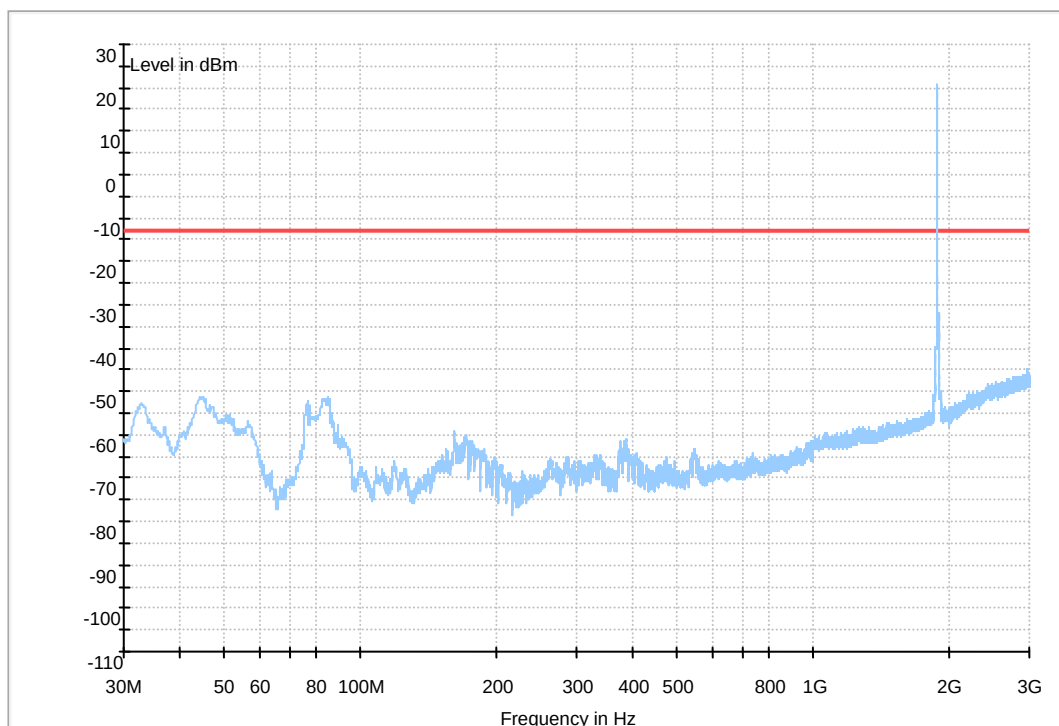
5.2.2 Test Band=WCDMA1900

5.2.2.1 Test mode=UMTS/TM1

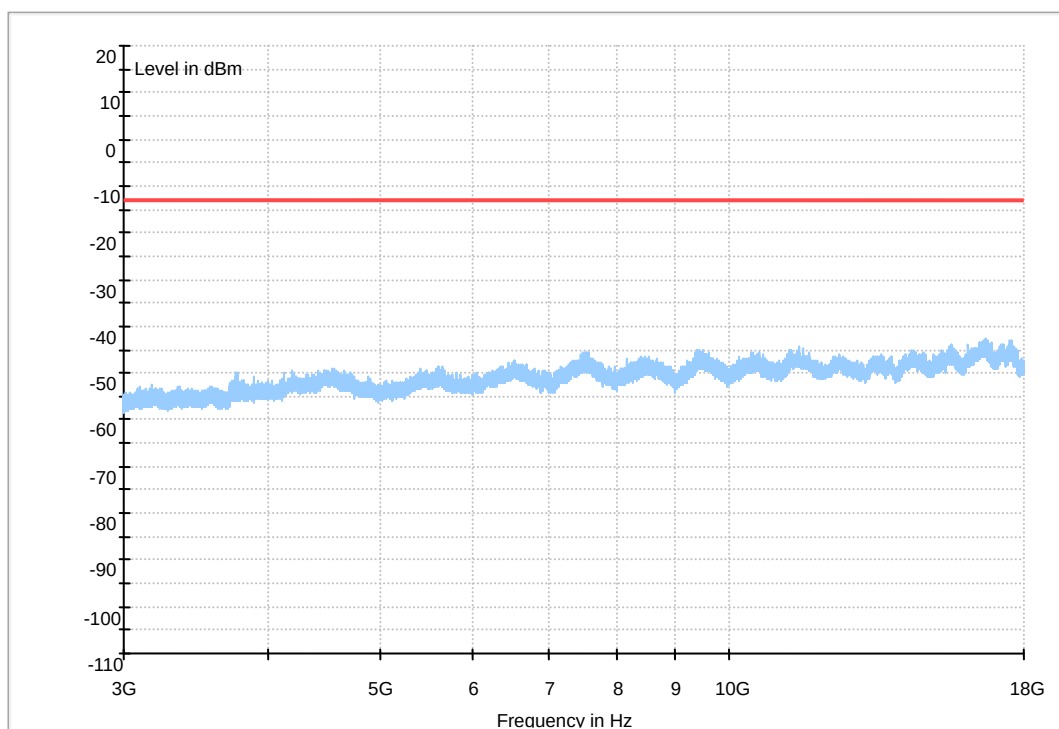
Traffic Mode (9kHz-30MHz)



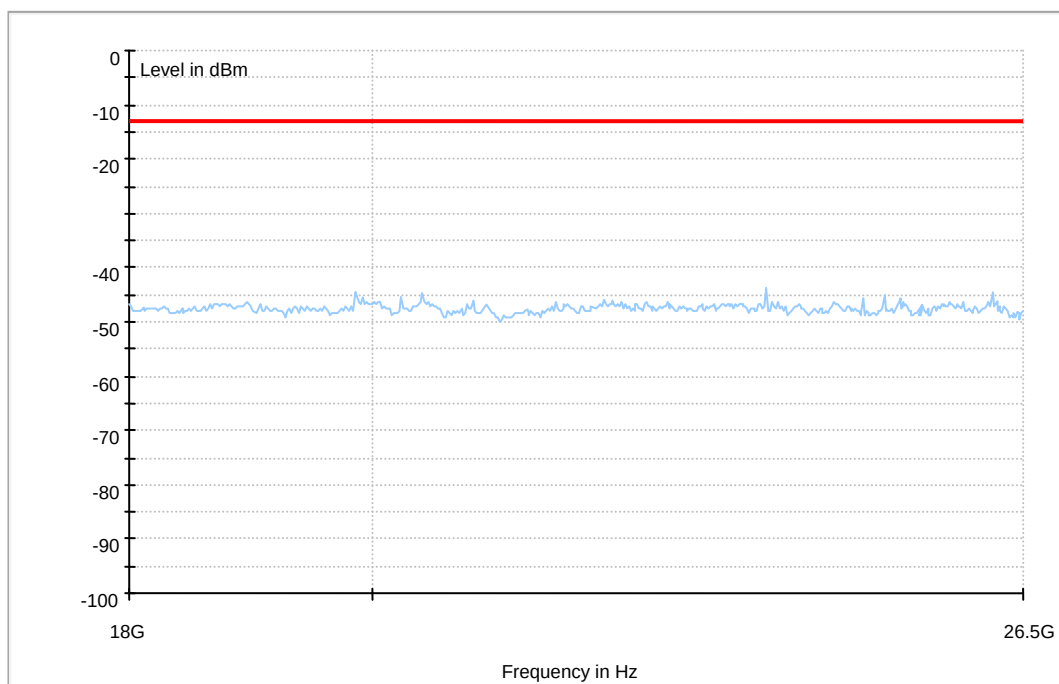
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)

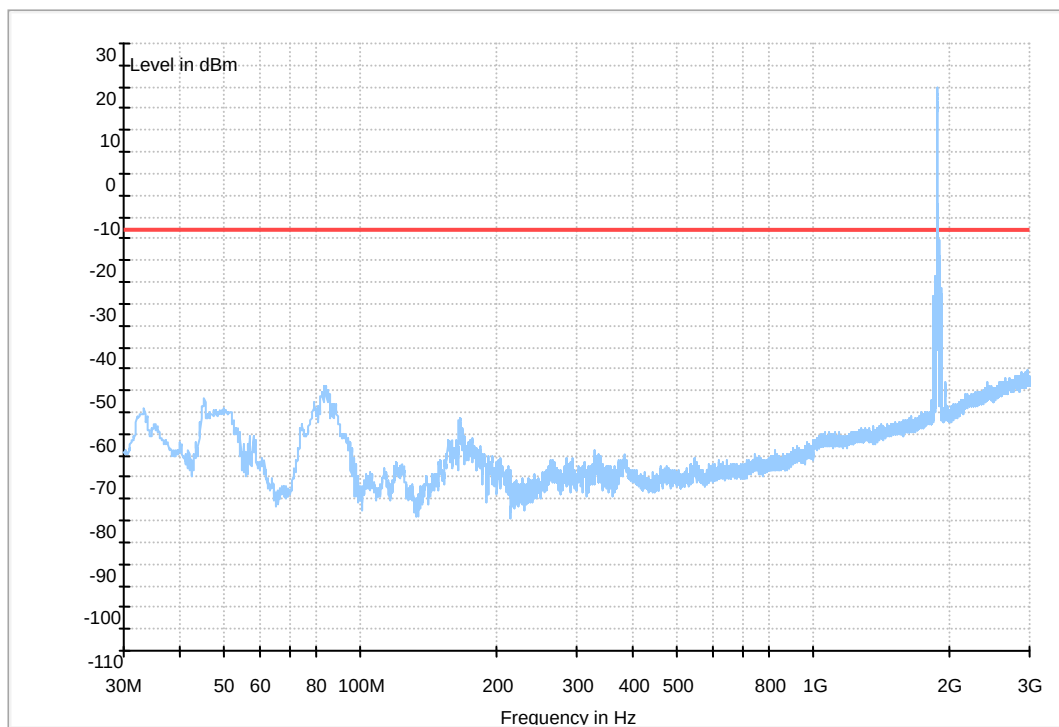


5.2.2.2 Test mode=UMTS/TM2

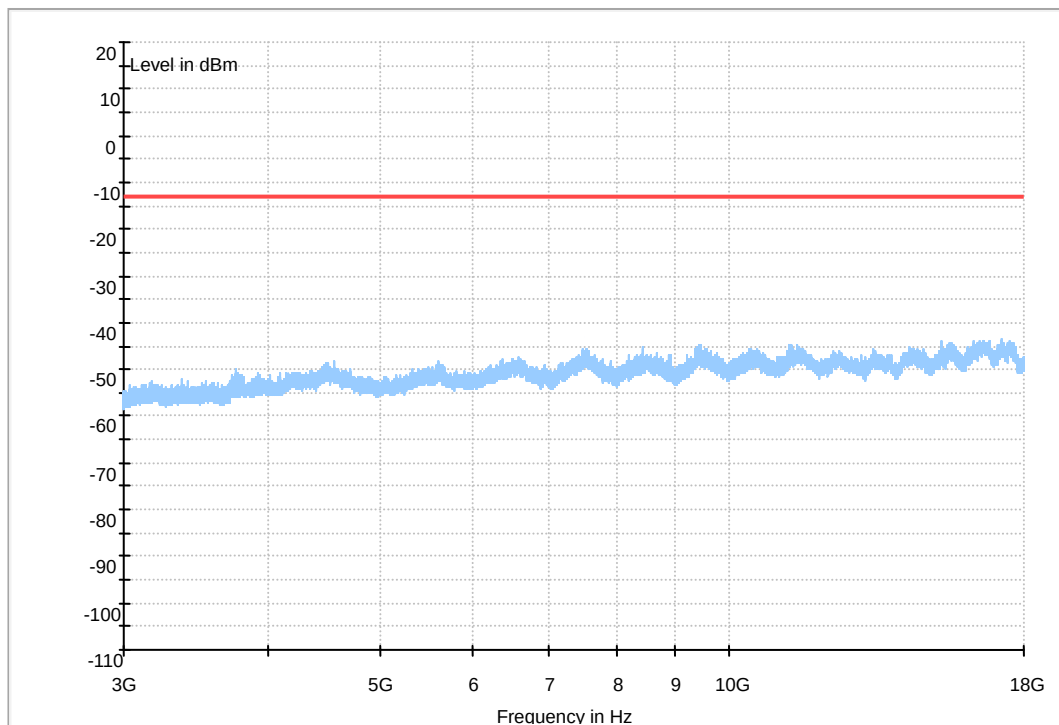
Traffic Mode (9kHz-30MHz)



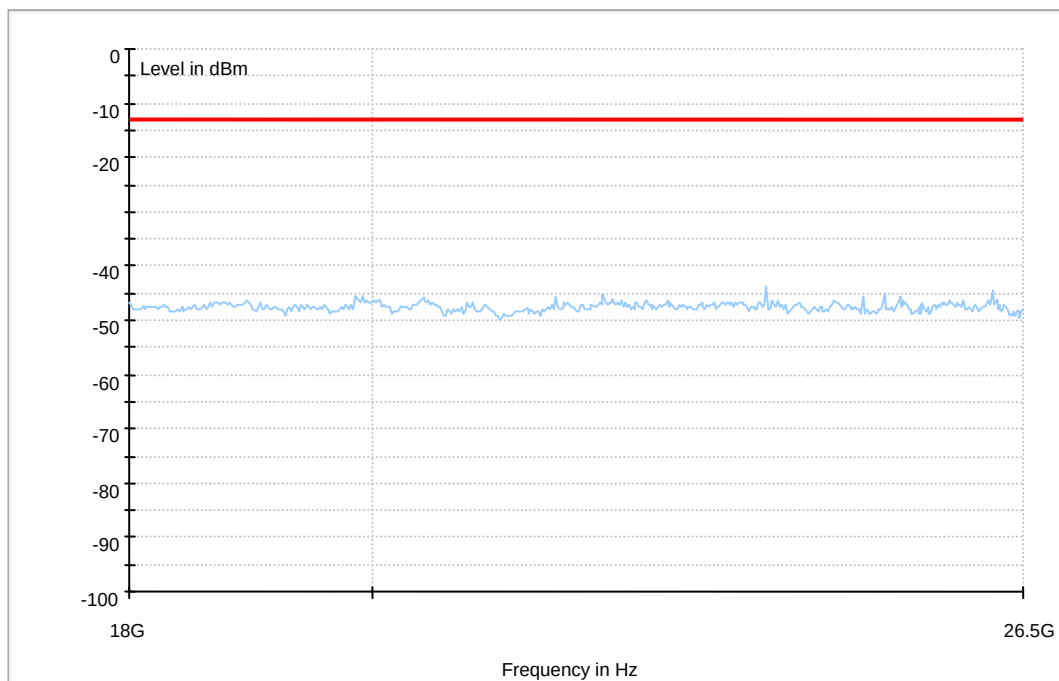
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

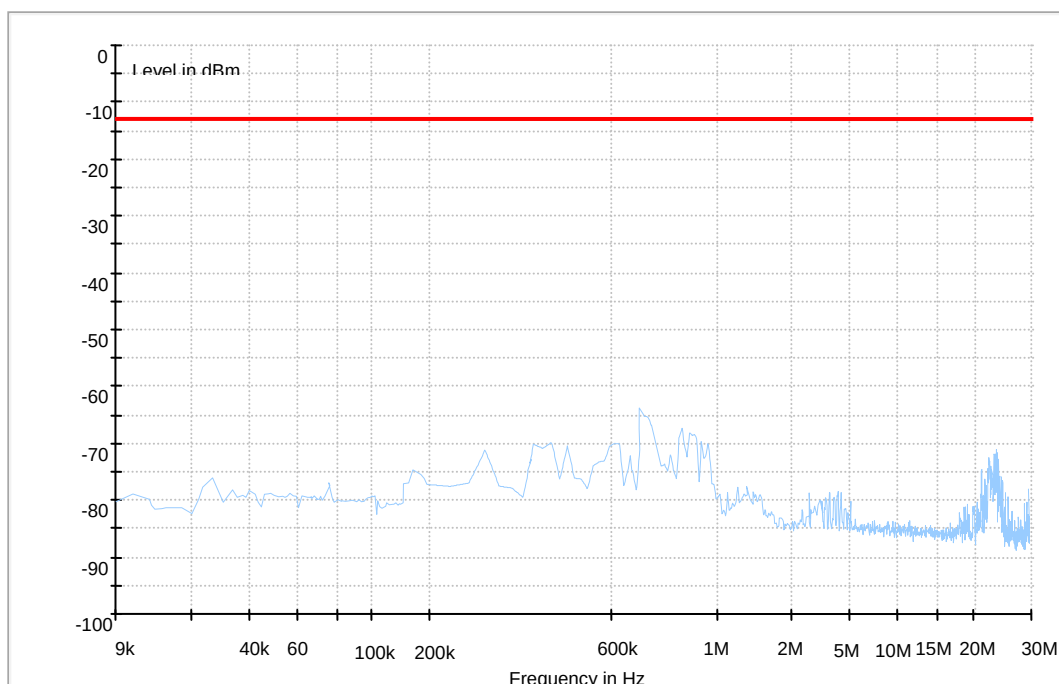


Traffic Mode (18GHz-26.5GHz)

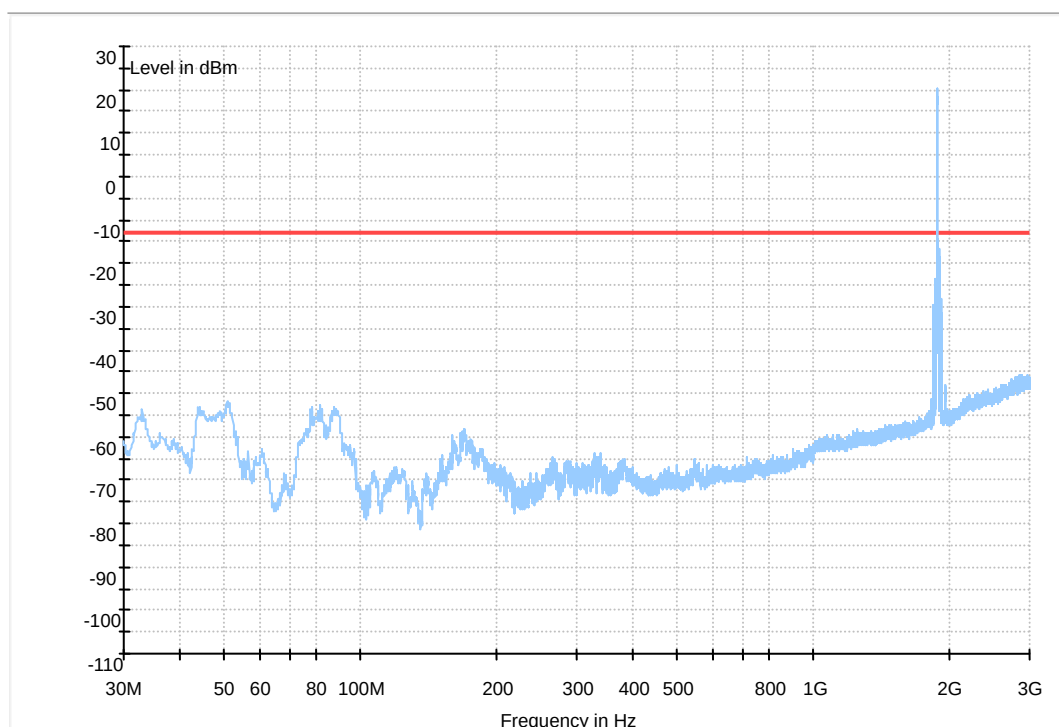


5.2.2.3 Test mode=UMTS/TM3

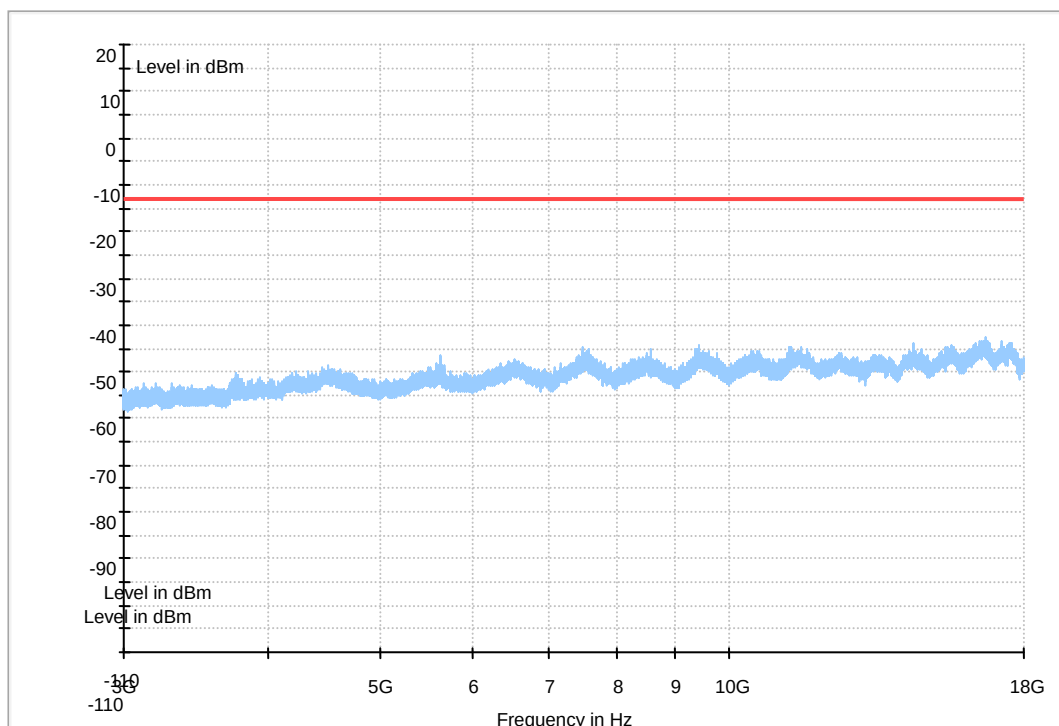
Traffic Mode (9kHz-30MHz)



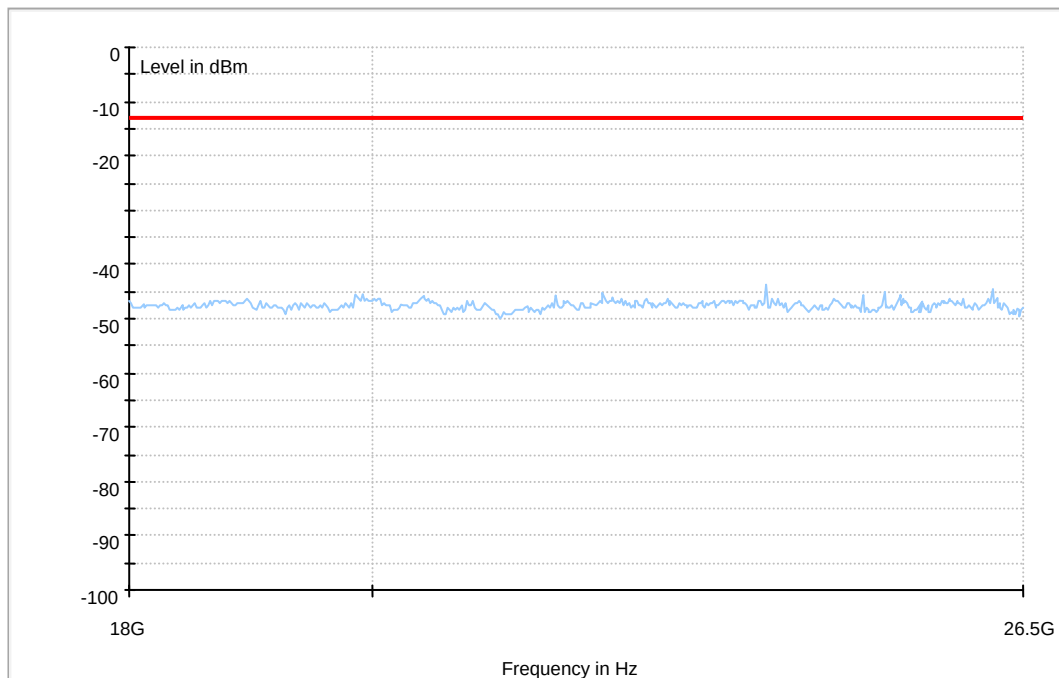
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)



6Appendix_F: Frequency Stability

6.1Frequency 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	-12.85	-0.015	±2.5	PASS
				VN	-12.27	-0.015	±2.5	PASS
				VH	-13.37	-0.016	±2.5	PASS
		MCH	TN	VL	-12.4	-0.015	±2.5	PASS
				VN	-11.82	-0.014	±2.5	PASS
				VH	-13.37	-0.016	±2.5	PASS
		HCH	TN	VL	-12.85	-0.015	±2.5	PASS
				VN	-12.27	-0.015	±2.5	PASS
				VH	-13.37	-0.016	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-22.05	-0.02675	±2.5	PASS
				VN	-18.85	-0.02287	±2.5	PASS
				VH	-15.82	-0.01919	±2.5	PASS
		MCH	TN	VL	-18.50	-0.02211	±2.5	PASS
				VN	-21.08	-0.0252	±2.5	PASS
				VH	-19.89	-0.02377	±2.5	PASS
		HCH	TN	VL	-19.92	-0.02347	±2.5	PASS
				VN	-19.31	-0.02275	±2.5	PASS
				VH	-17.31	-0.02039	±2.5	PASS
WCDMA850	UMTS/TM1	LCH	TN	VL	-0.37	-0.00045	±2.5	PASS
				VN	2.37	0.00287	±2.5	PASS
				VH	-0.93	-0.00113	±2.5	PASS
		MCH	TN	VL	3.78	0.00452	±2.5	PASS
				VN	-13.64	-0.01631	±2.5	PASS
				VH	-4.27	-0.00511	±2.5	PASS
		HCH	TN	VL	0.47	0.00056	±2.5	PASS
				VN	0.00	0	±2.5	PASS
				VH	3.42	0.00404	±2.5	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-13.69	-0.0074	±2.5	PASS
				VN	-4.65	-0.00251	±2.5	PASS
				VH	-8.27	-0.00447	±2.5	PASS
		MCH	TN	VL	-21.44	-0.0114	±2.5	PASS
				VN	-24.60	-0.01309	±2.5	PASS
				VH	-25.51	-0.01357	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
		HCH	TN	VL	-26.02	-0.01362	±2.5	PASS
				VN	-22.54	-0.0118	±2.5	PASS
				VH	-27.57	-0.01444	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-23.63	-0.01277	±2.5	PASS
				VN	-13.24	-0.00716	±2.5	PASS
				VH	-11.43	-0.00618	±2.5	PASS
		MCH	TN	VL	-28.41	-0.01511	±2.5	PASS
				VN	-38.90	-0.02069	±2.5	PASS
				VH	-27.64	-0.0147	±2.5	PASS
		HCH	TN	VL	-27.83	-0.01457	±2.5	PASS
				VN	-26.67	-0.01396	±2.5	PASS
				VH	-19.21	-0.01006	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-7.98	-0.00431	±2.5	PASS
				VN	5.28	0.00285	±2.5	PASS
				VH	-4.91	-0.00265	±2.5	PASS
		MCH	TN	VL	7.42	0.00395	±2.5	PASS
				VN	-3.88	-0.00206	±2.5	PASS
				VH	-5.02	-0.00267	±2.5	PASS
		HCH	TN	VL	-4.88	-0.00256	±2.5	PASS
				VN	-1.86	-0.00098	±2.5	PASS
				VH	14.12	0.00793	±2.5	PASS

6.2 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	-15.69	-0.01904	±2.5	PASS
				-20	-13.69	-0.01661	±2.5	PASS
				-10	-17.89	-0.02171	±2.5	PASS
				0	-17.11	-0.02076	±2.5	PASS
				10	-17.31	-0.0210	±2.5	PASS
				20	-19.18	-0.02327	±2.5	PASS
				30	-19.31	-0.02343	±2.5	PASS
				40	-15.11	-0.01833	±2.5	PASS
				50	-16.98	-0.0206	±2.5	PASS
		MCH	VN	-30	-20.60	-0.02462	±2.5	PASS
				-20	-19.76	-0.02362	±2.5	PASS
				-10	-20.53	-0.02454	±2.5	PASS
				0	-22.79	-0.02724	±2.5	PASS
				10	-21.70	-0.02594	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				20	-24.09	-0.0288	±2.5	PASS
				30	-23.18	-0.02771	±2.5	PASS
				40	-19.95	-0.02385	±2.5	PASS
				50	-25.38	-0.03034	±2.5	PASS
		HCH	VN	-30	-22.02	-0.02594	±2.5	PASS
				-20	-19.63	-0.02313	±2.5	PASS
				-10	-18.47	-0.02176	±2.5	PASS
				0	-18.60	-0.02191	±2.5	PASS
				10	-17.56	-0.02069	±2.5	PASS
				20	-17.05	-0.02009	±2.5	PASS
				30	-18.98	-0.02236	±2.5	PASS
				40	-18.40	-0.02168	±2.5	PASS
				50	-19.76	-0.02328	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
GSM850	GSM/TM2	LCH	VN	-30	-19.11	-0.02319	±2.5	PASS
				-20	-15.69	-0.01904	±2.5	PASS
				-10	-20.02	-0.02429	±2.5	PASS
				0	-15.56	-0.01888	±2.5	PASS
				10	-15.66	-0.019	±2.5	PASS
				20	-13.85	-0.0168	±2.5	PASS
				30	-14.63	-0.01775	±2.5	PASS
				40	-18.21	-0.02209	±2.5	PASS
				50	-19.02	-0.02308	±2.5	PASS
		MCH	VN	-30	-18.56	-0.02219	±2.5	PASS
				-20	-19.73	-0.02358	±2.5	PASS
				-10	-17.69	-0.02115	±2.5	PASS
				0	-17.47	-0.02088	±2.5	PASS
				10	-16.82	-0.02011	±2.5	PASS
				20	-16.11	-0.02045	±2.5	PASS
				30	-17.89	-0.02138	±2.5	PASS
				40	-17.47	-0.02088	±2.5	PASS
				50	-22.28	-0.02663	±2.5	PASS
		HCH	VN	-30	-16.92	-0.01993	±2.5	PASS
				-20	-18.50	-0.0218	±2.5	PASS
				-10	-17.76	-0.02092	±2.5	PASS
				0	-17.63	-0.02077	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				10	-18.50	-0.0218	±2.5	PASS
				20	-17.01	-0.02004	±2.5	PASS
				30	-19.24	-0.02267	±2.5	PASS
				40	-22.66	-0.0267	±2.5	PASS
				50	-18.63	-0.02195	±2.5	PASS
WCDMA850	UMTS/TM1	LCH	VN	-30	-0.06	-0.00007	±2.5	PASS
				-20	1.71	0.00207	±2.5	PASS
				-10	3.11	0.00376	±2.5	PASS
				0	5.45	0.00659	±2.5	PASS
				10	-0.32	-0.00039	±2.5	PASS
				20	-1.94	-0.00235	±2.5	PASS
				30	-4.32	-0.00523	±2.5	PASS
				40	4.07	0.00492	±2.5	PASS
				50	-6.67	-0.00807	±2.5	PASS
		MCH	VN	-30	-3.86	-0.00462	±2.5	PASS
				-20	-2.04	-0.00244	±2.5	PASS
				-10	2.99	0.00357	±2.5	PASS
				0	2.01	0.0024	±2.5	PASS
				10	5.66	0.00677	±2.5	PASS
				20	6.01	0.00719	±2.5	PASS
				30	0.05	0.00006	±2.5	PASS
				40	-0.50	-0.0006	±2.5	PASS
				50	-0.47	-0.00056	±2.5	PASS
		HCH	VN	-30	1.10	0.0013	±2.5	PASS
				-20	3.10	0.00366	±2.5	PASS
				-10	-5.48	-0.00647	±2.5	PASS
				0	-0.52	-0.00061	±2.5	PASS
				10	-0.63	-0.00074	±2.5	PASS
				20	2.08	0.00246	±2.5	PASS
				30	4.35	0.00514	±2.5	PASS
				40	5.87	0.00694	±2.5	PASS
				50	4.39	0.00519	±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

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
		MCH	VN	50	-7.36	-0.00398	±2.5	PASS
				-30	-21.50	-0.01144	±2.5	PASS
				-20	-28.35	-0.01508	±2.5	PASS
				-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
				40	-25.38	-0.01329	±2.5	PASS
				50	-19.63	-0.01028	±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
				40	-18.34	-0.00991	±2.5	PASS
				50	-20.66	-0.01117	±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
				40	-44.97	-0.02392	±2.5	PASS
				50	-40.33	-0.02145	±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

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				0	-32.54	-0.01704	±2.5	PASS
				10	-29.48	-0.01544	±2.5	PASS
				20	-32.64	-0.01709	±2.5	PASS
				30	-30.41	-0.01592	±2.5	PASS
				40	-35.22	-0.01897	±2.5	PASS
				50	-37.74	-0.01976	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-2.40	-0.0013	±2.5	PASS
				-20	-14.12	-0.00816	±2.5	PASS
				-10	-1.21	-0.00065	±2.5	PASS
				0	-3.10	-0.00167	±2.5	PASS
				10	-2.91	-0.00157	±2.5	PASS
				20	0.78	0.00042	±2.5	PASS
				30	-2.79	-0.00151	±2.5	PASS
				40	9.80	0.00529	±2.5	PASS
				50	-6.79	-0.00367	±2.5	PASS
		MCH	VN	-30	-0.20	-0.00011	±2.5	PASS
				-20	8.07	0.00429	±2.5	PASS
				-10	1.94	0.00103	±2.5	PASS
				0	0.26	0.00014	±2.5	PASS
				10	3.23	0.00172	±2.5	PASS
				20	-0.64	-0.00034	±2.5	PASS
				30	5.18	0.00329	±2.5	PASS
				40	-2.99	-0.00159	±2.5	PASS
				50	2.61	0.00139	±2.5	PASS
		HCH	VN	-30	-9.08	-0.00476	±2.5	PASS
				-20	-1.08	-0.00057	±2.5	PASS
				-10	2.24	0.00117	±2.5	PASS
				0	-1.56	-0.00082	±2.5	PASS
				10	2.33	0.00122	±2.5	PASS
				20	0.08	0.00004	±2.5	PASS
				30	-0.72	-0.00038	±2.5	PASS
				40	-3.10	-0.00163	±2.5	PASS
				50	-7.31	-0.00383	±2.5	PASS

END