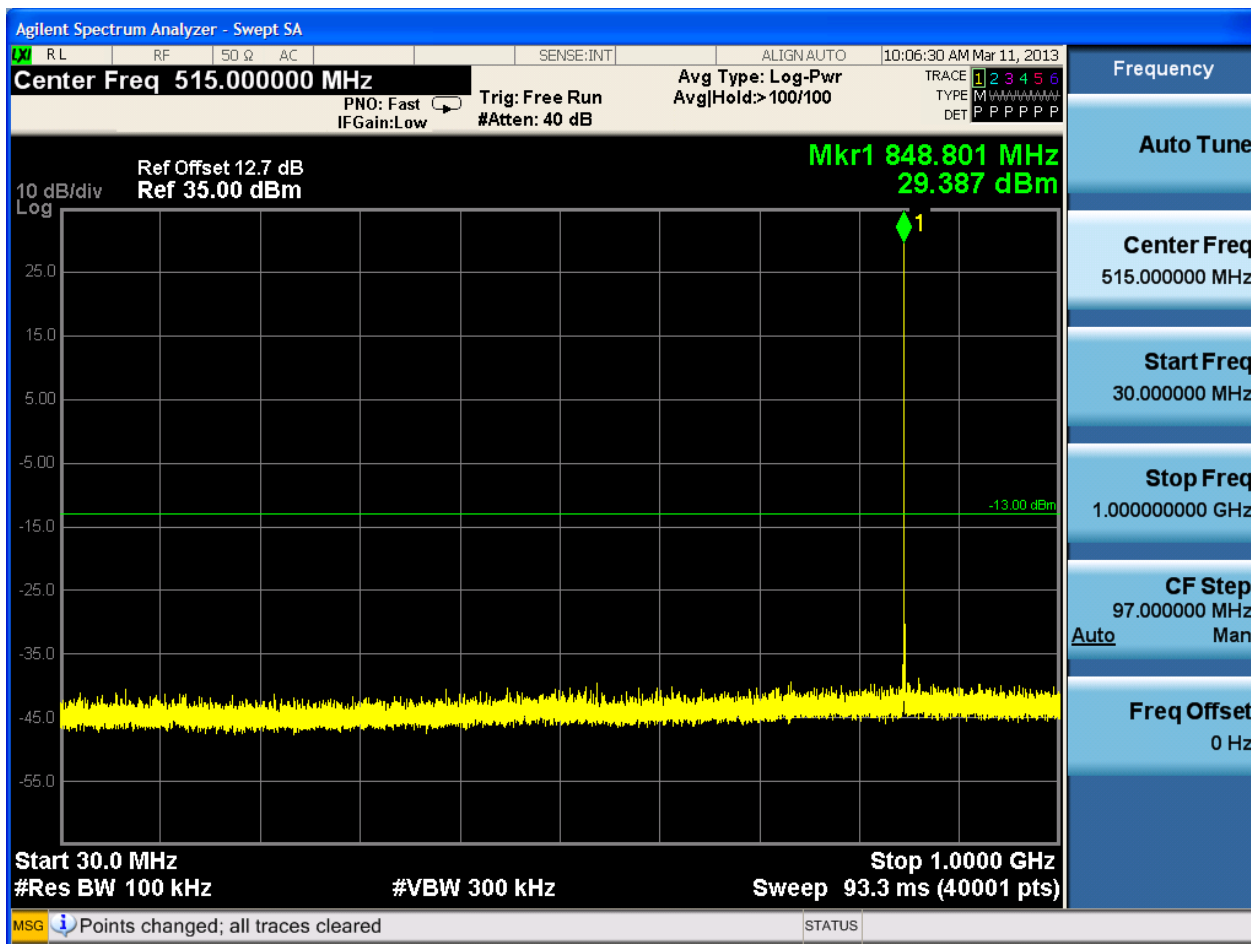
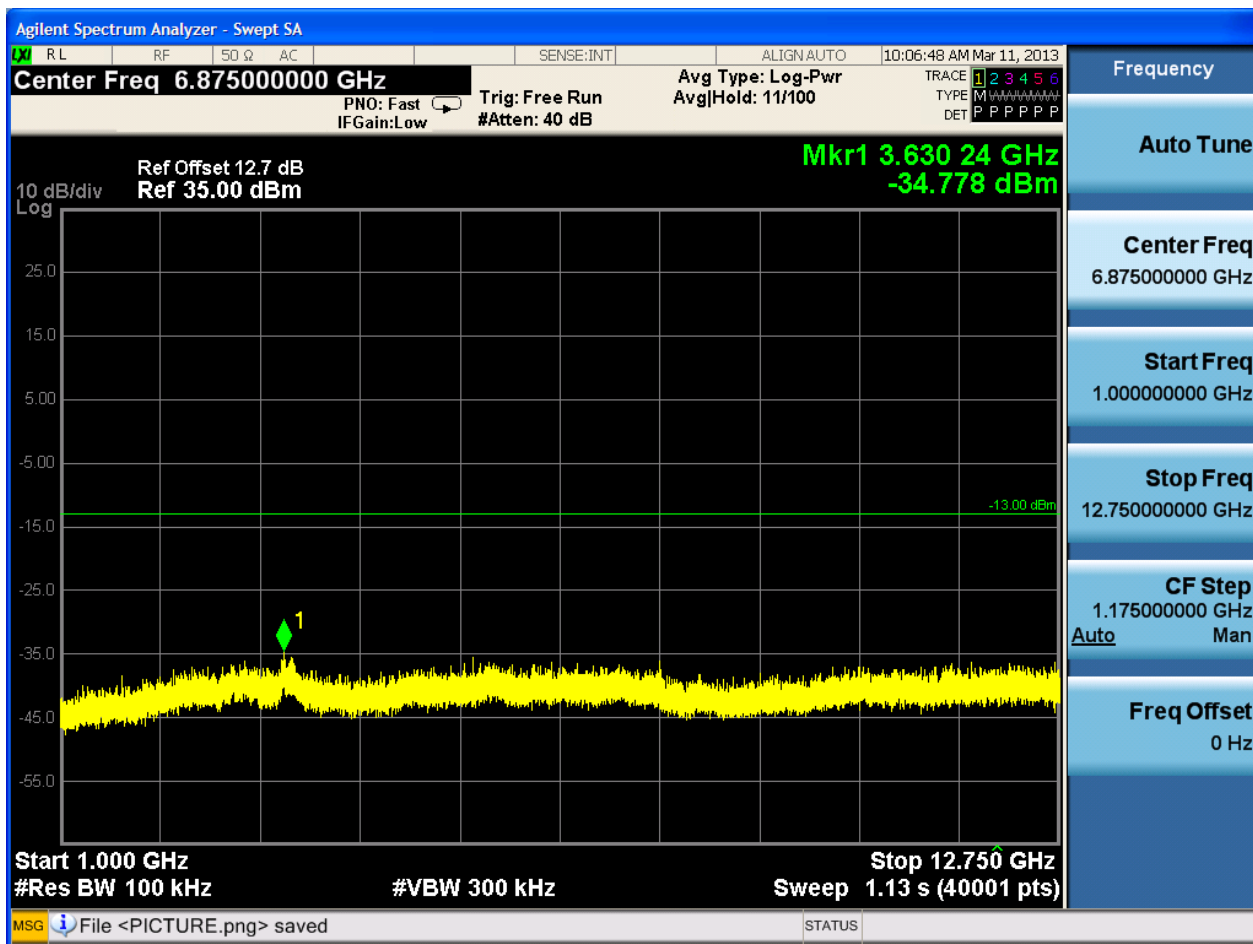
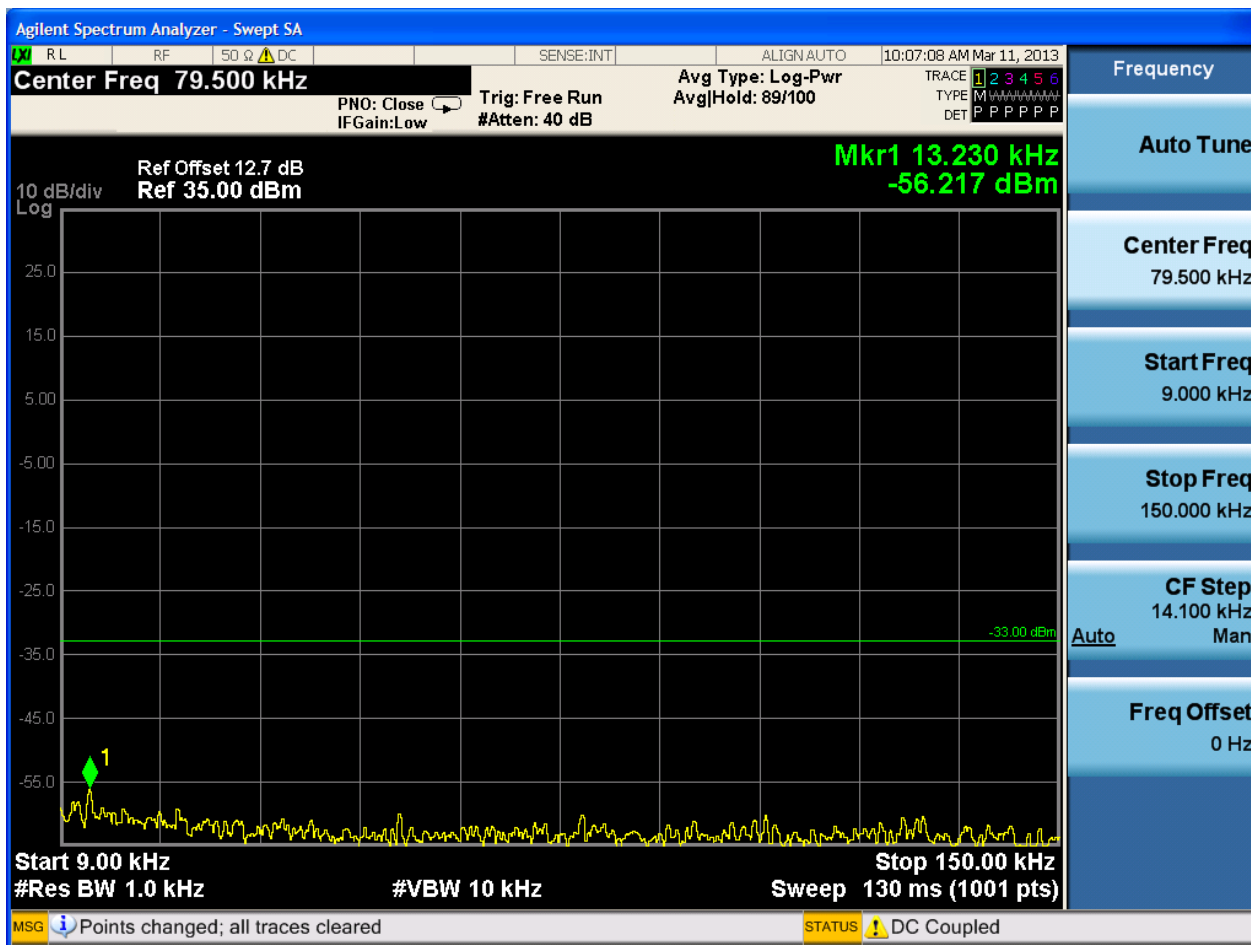
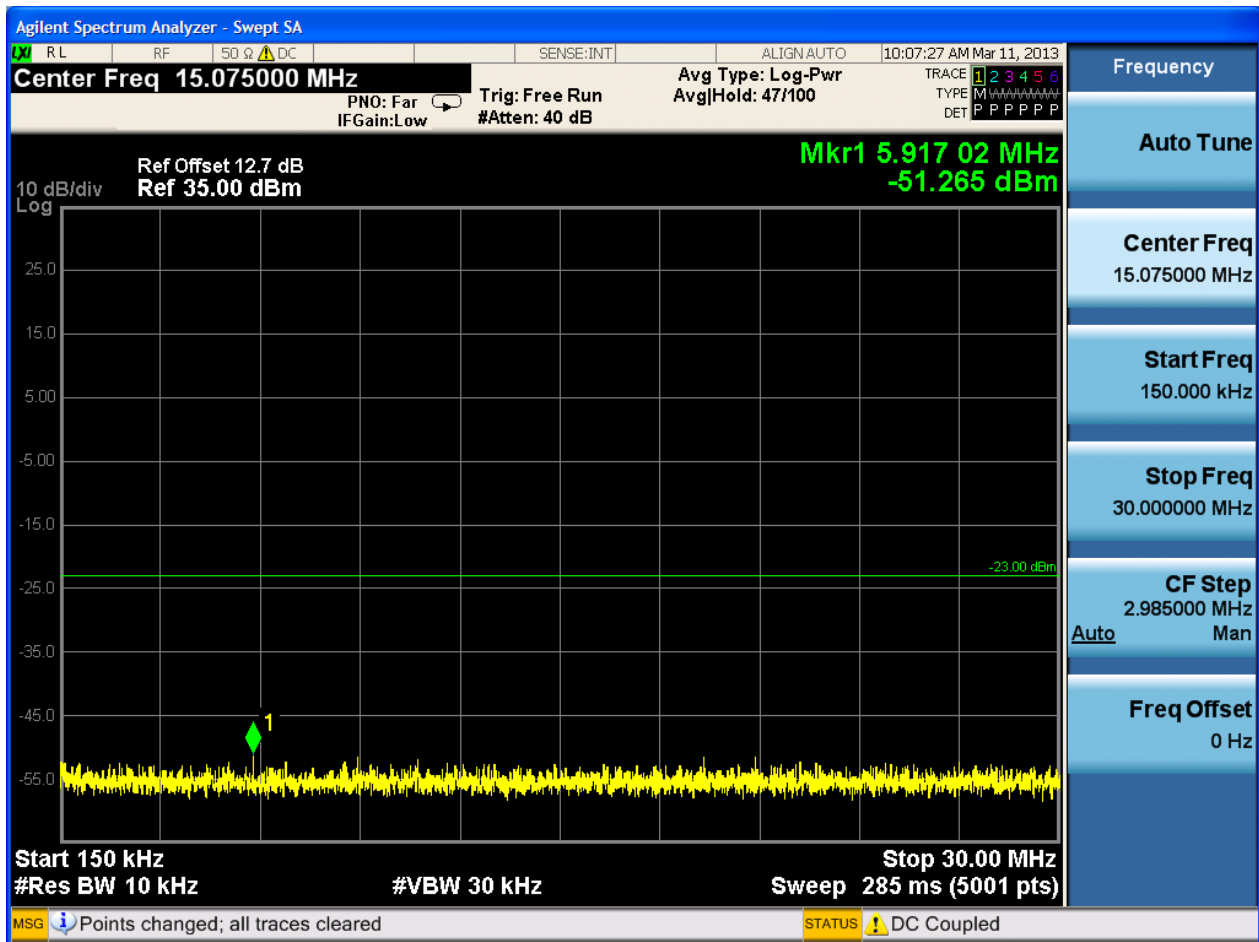


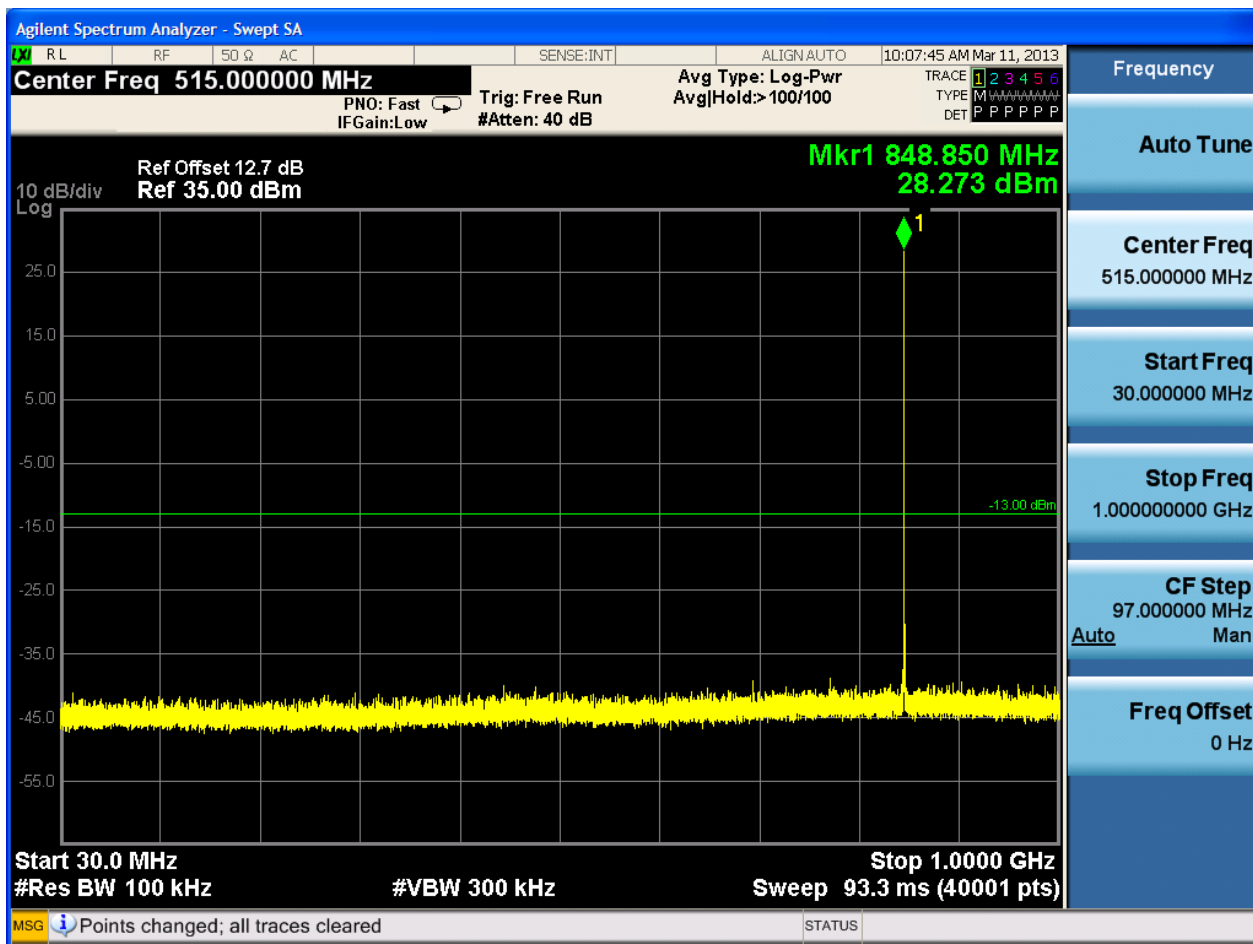


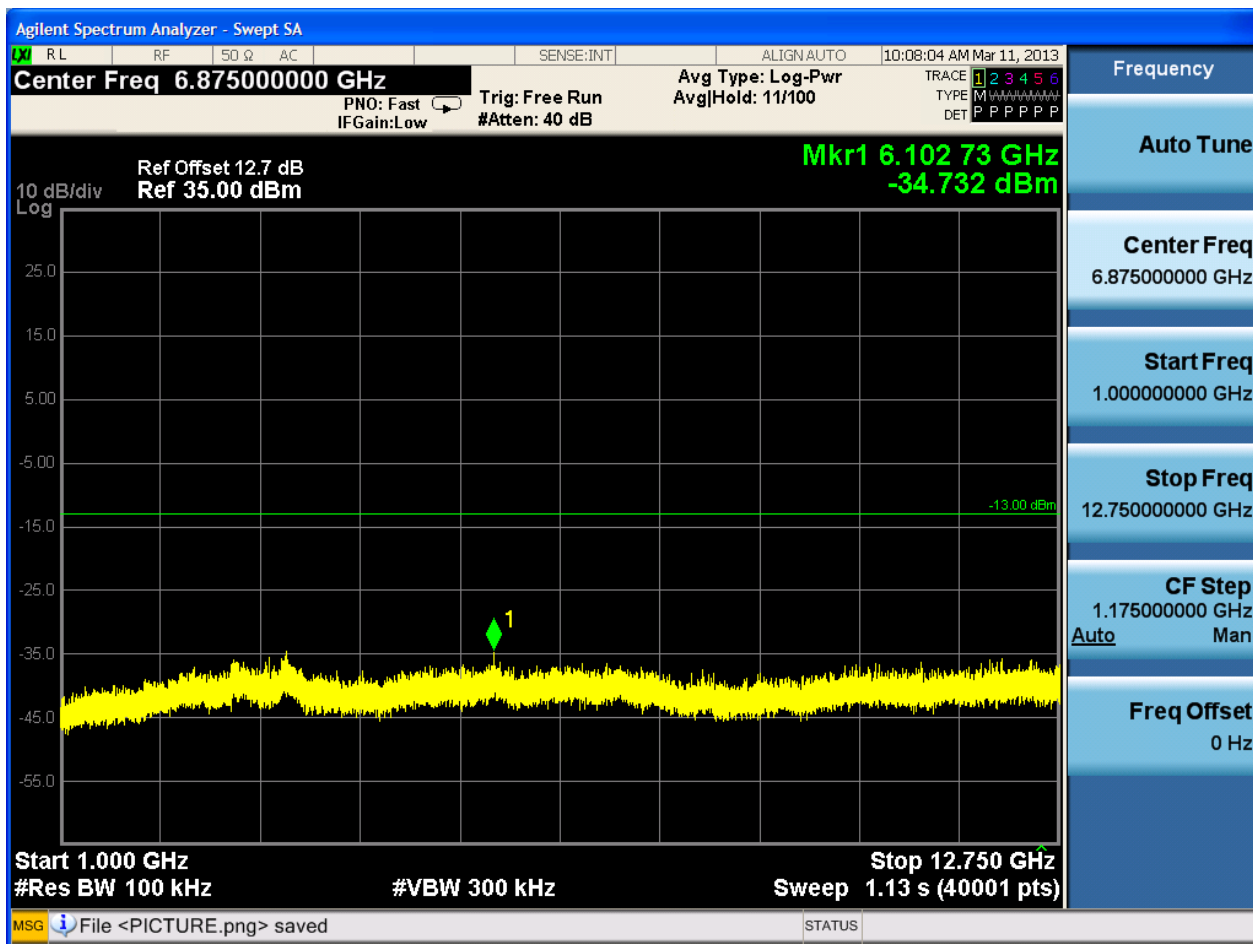


6.1.1.2.3 Test Channel = HCH





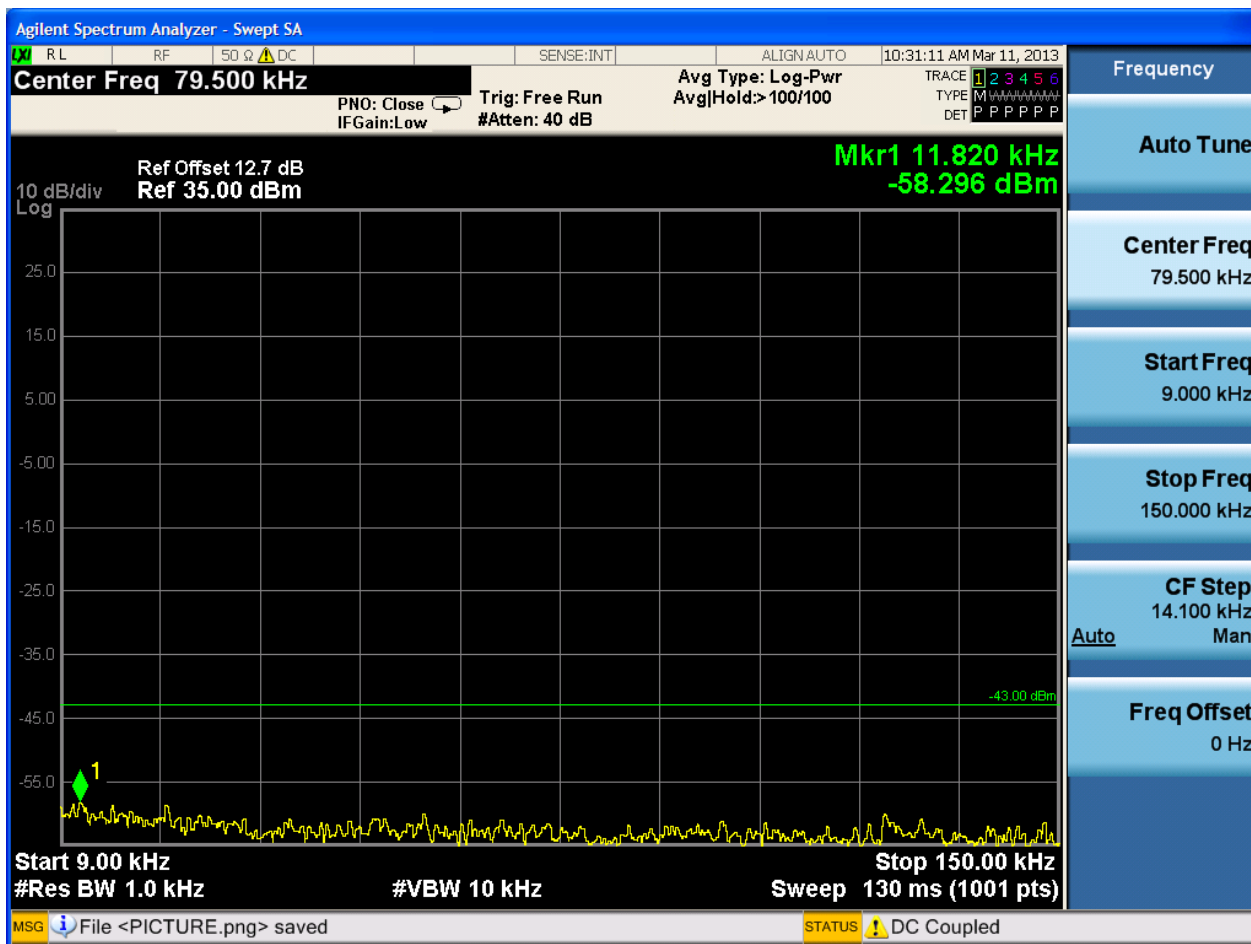


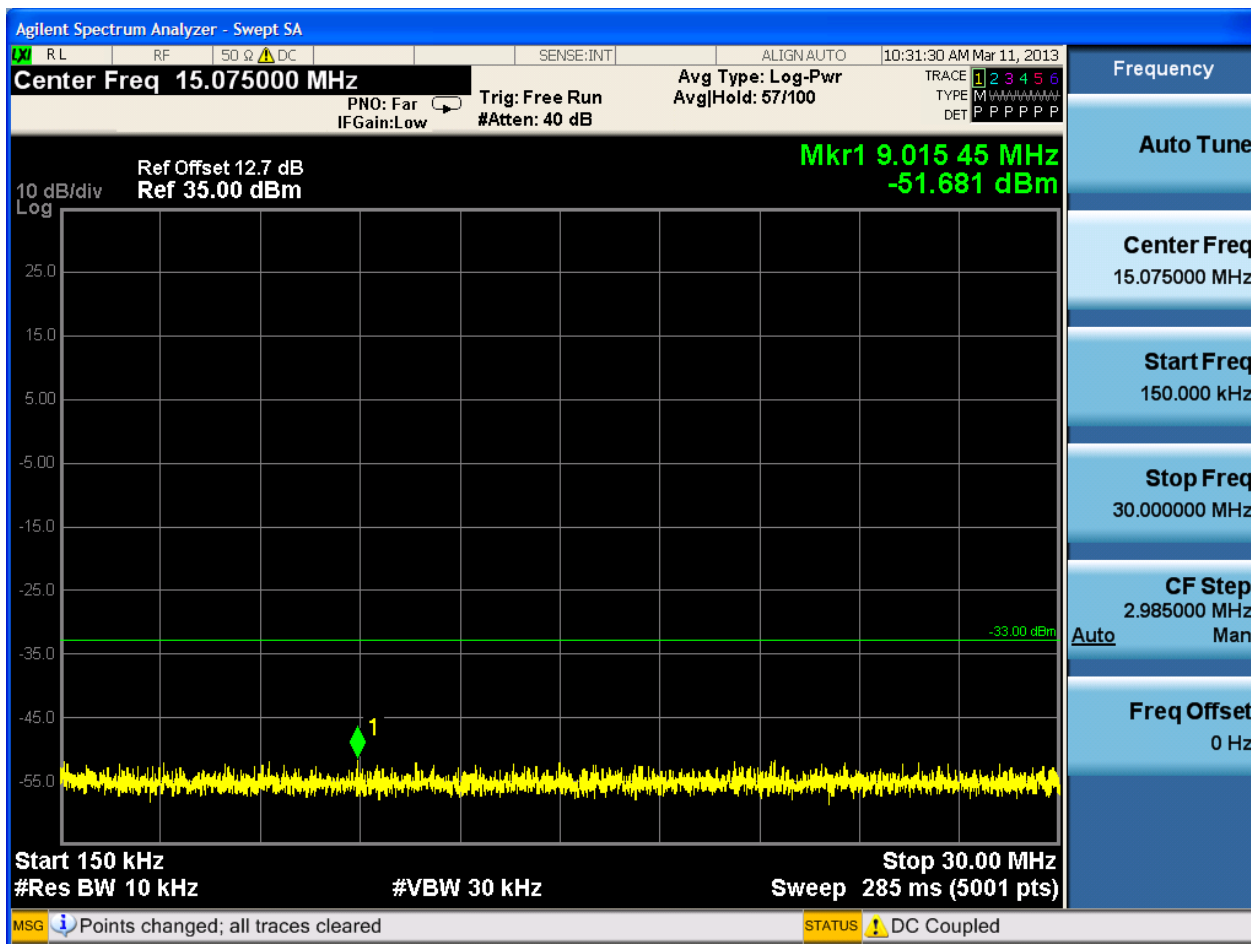


6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

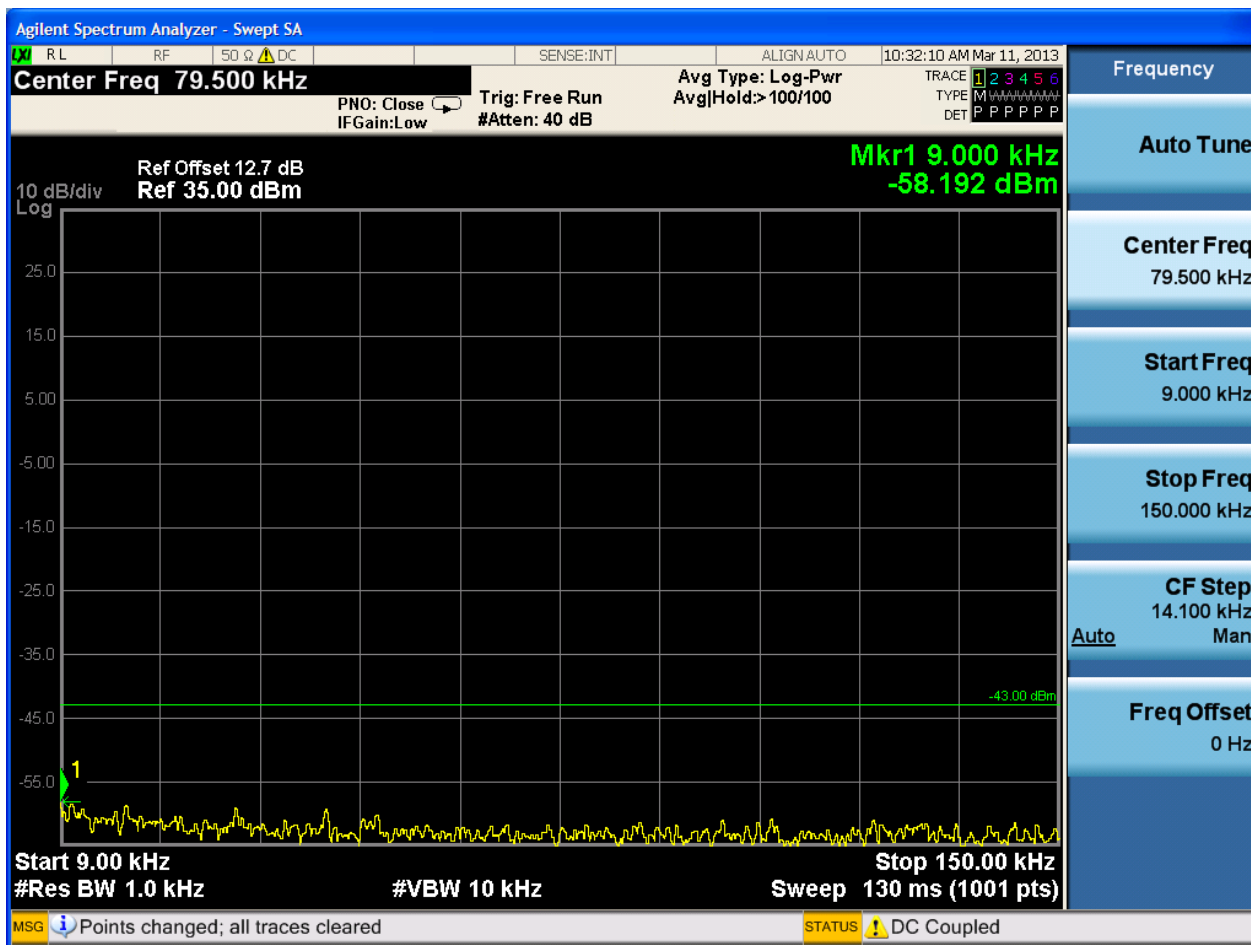
6.1.2.1.1 Test Channel = LCH

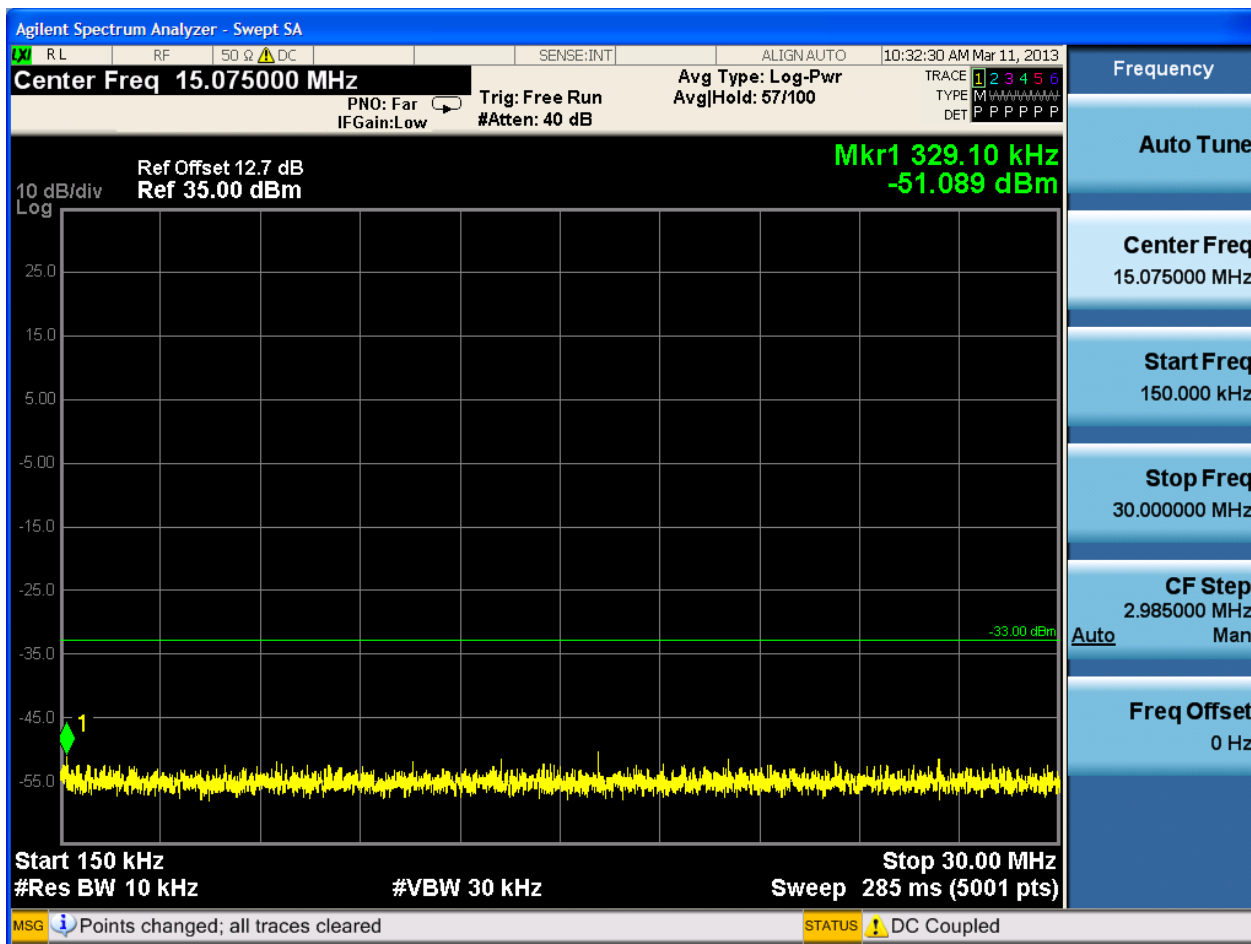


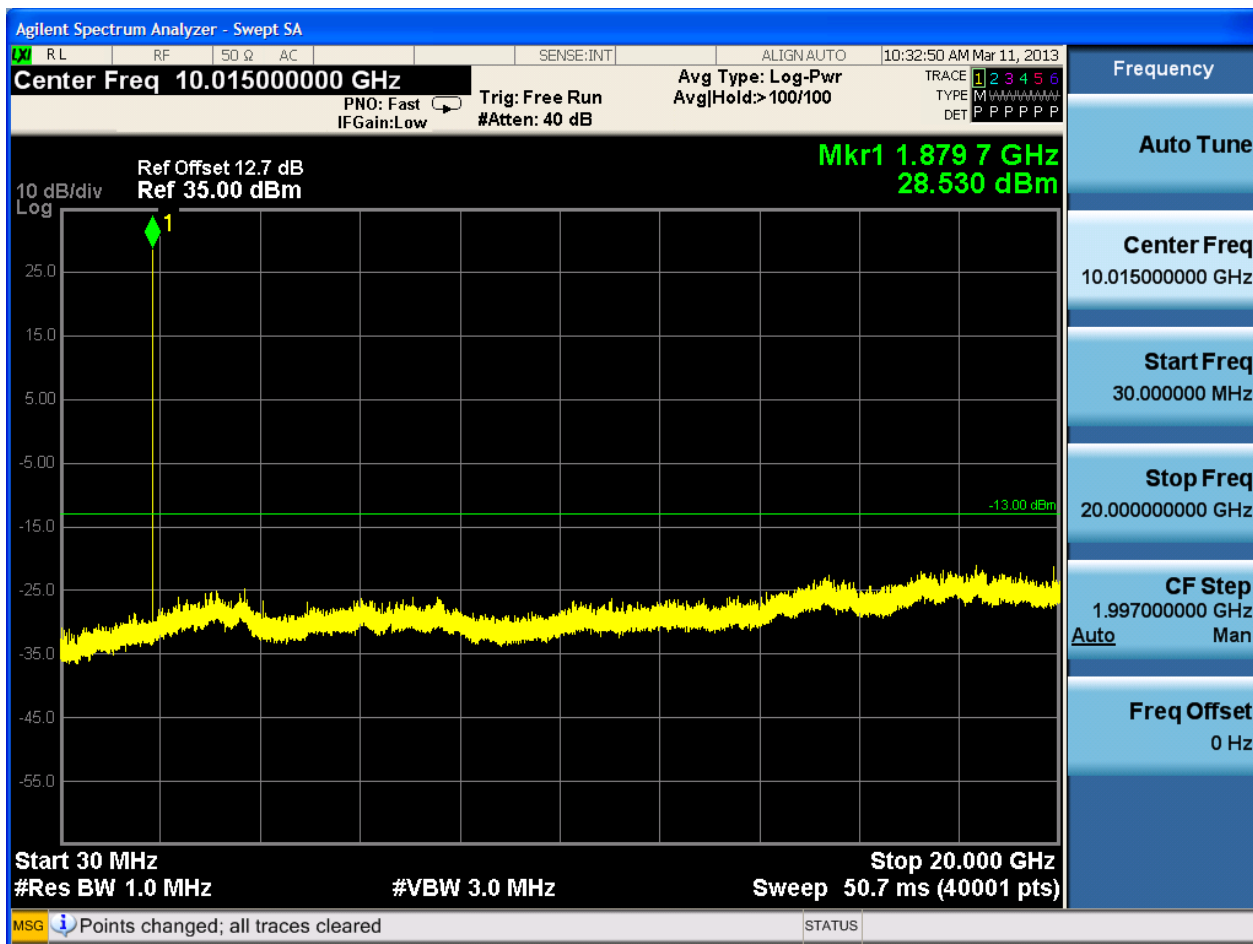




6.1.2.1.2 Test Channel = MCH

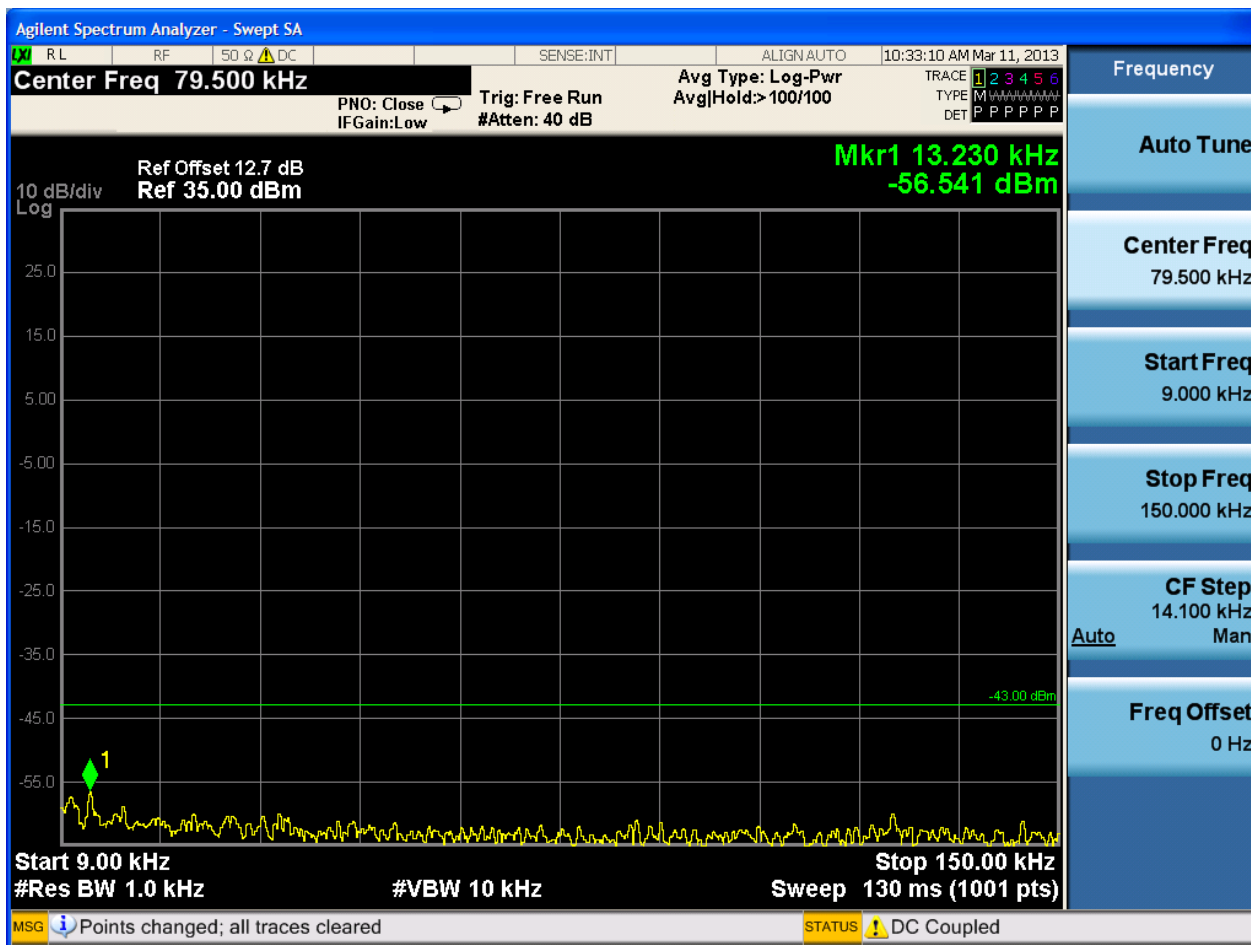


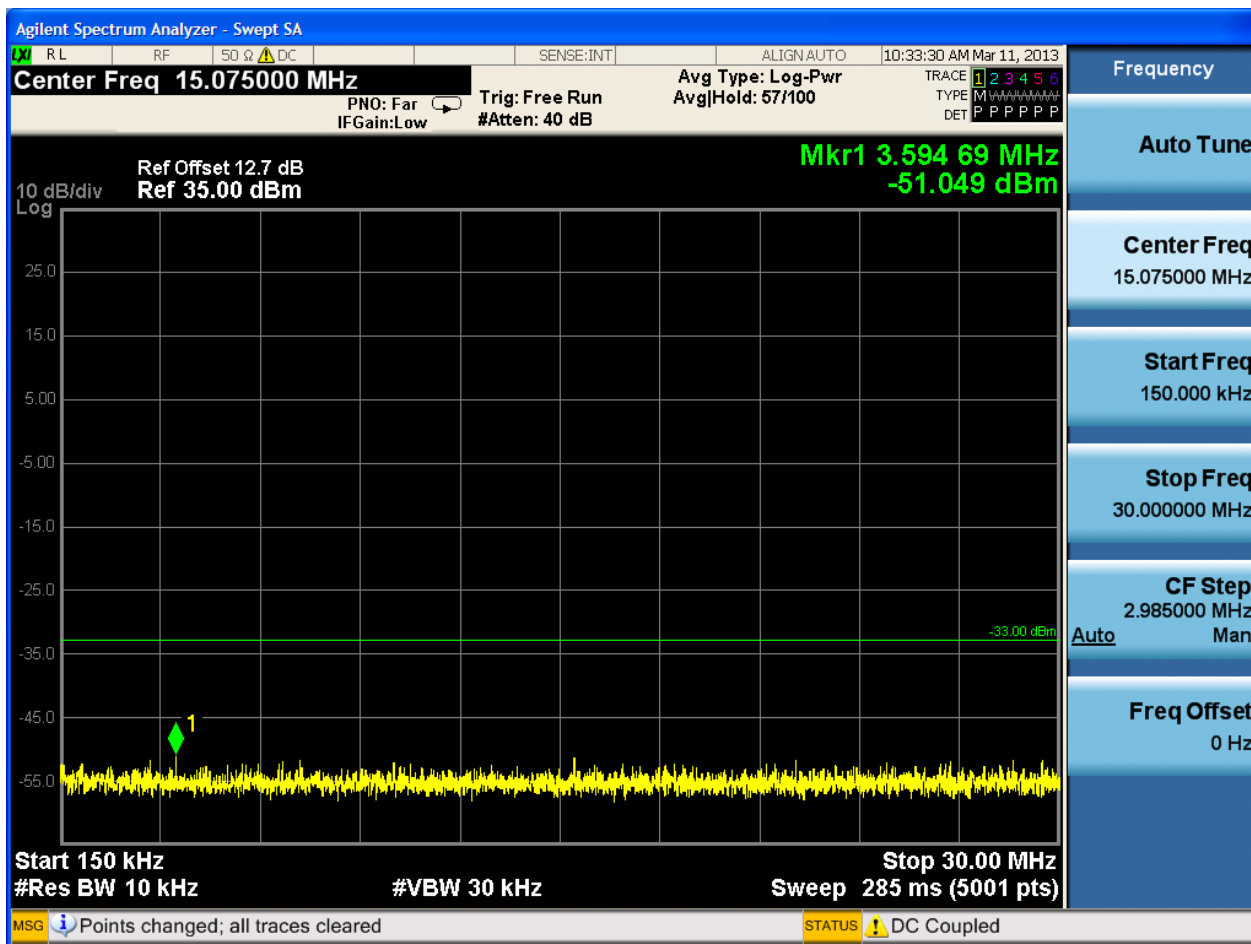


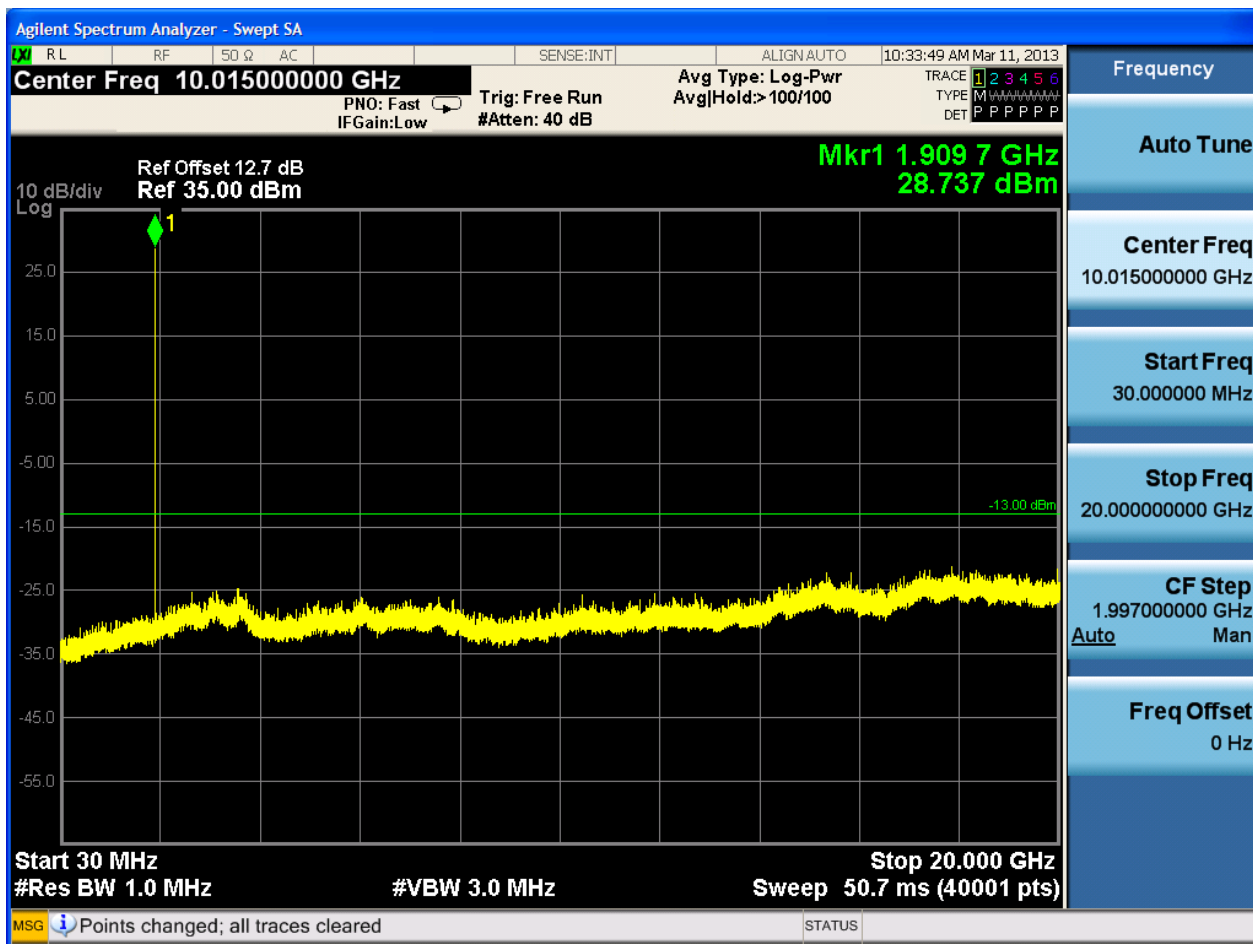




6.1.2.1.3 Test Channel = HCH

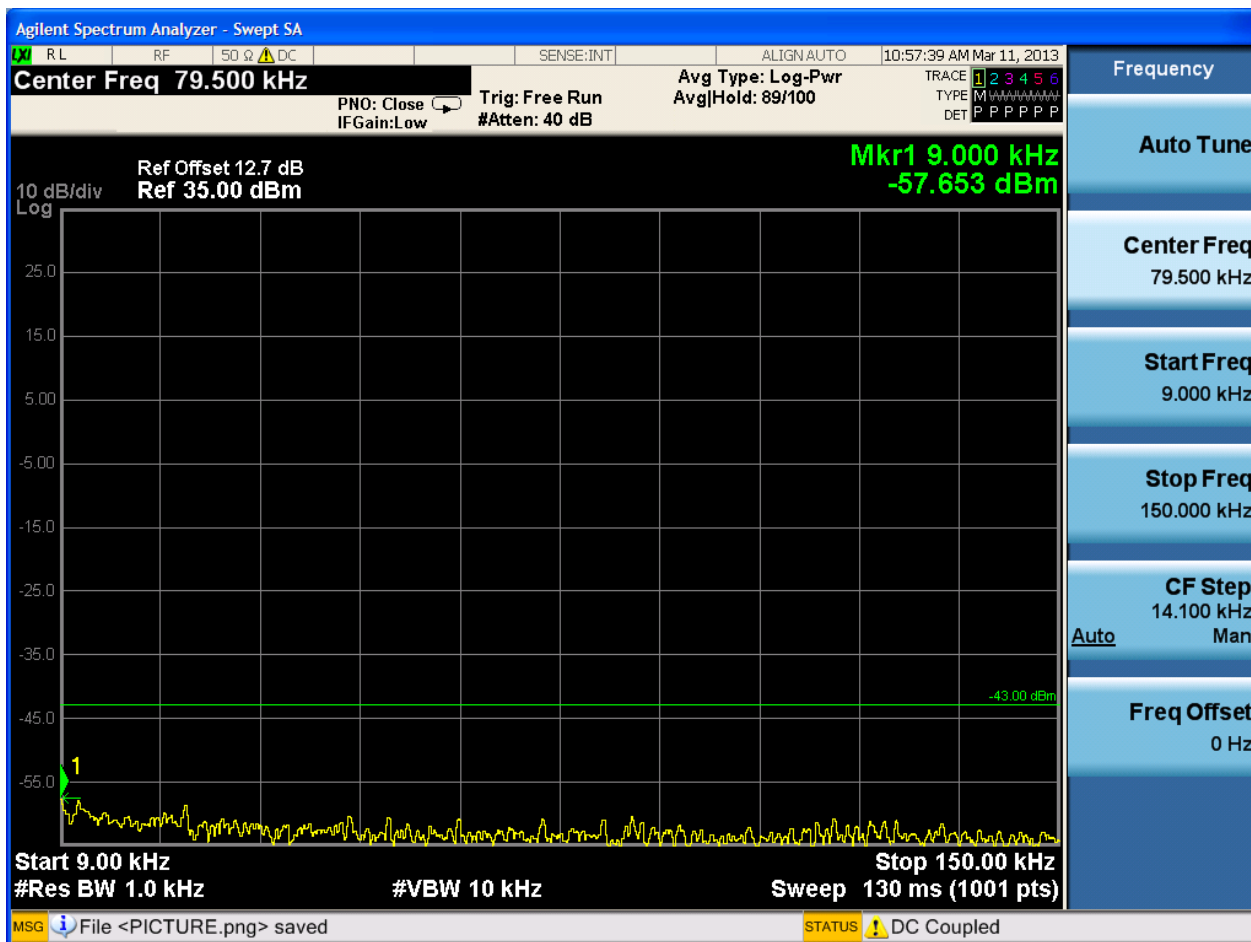


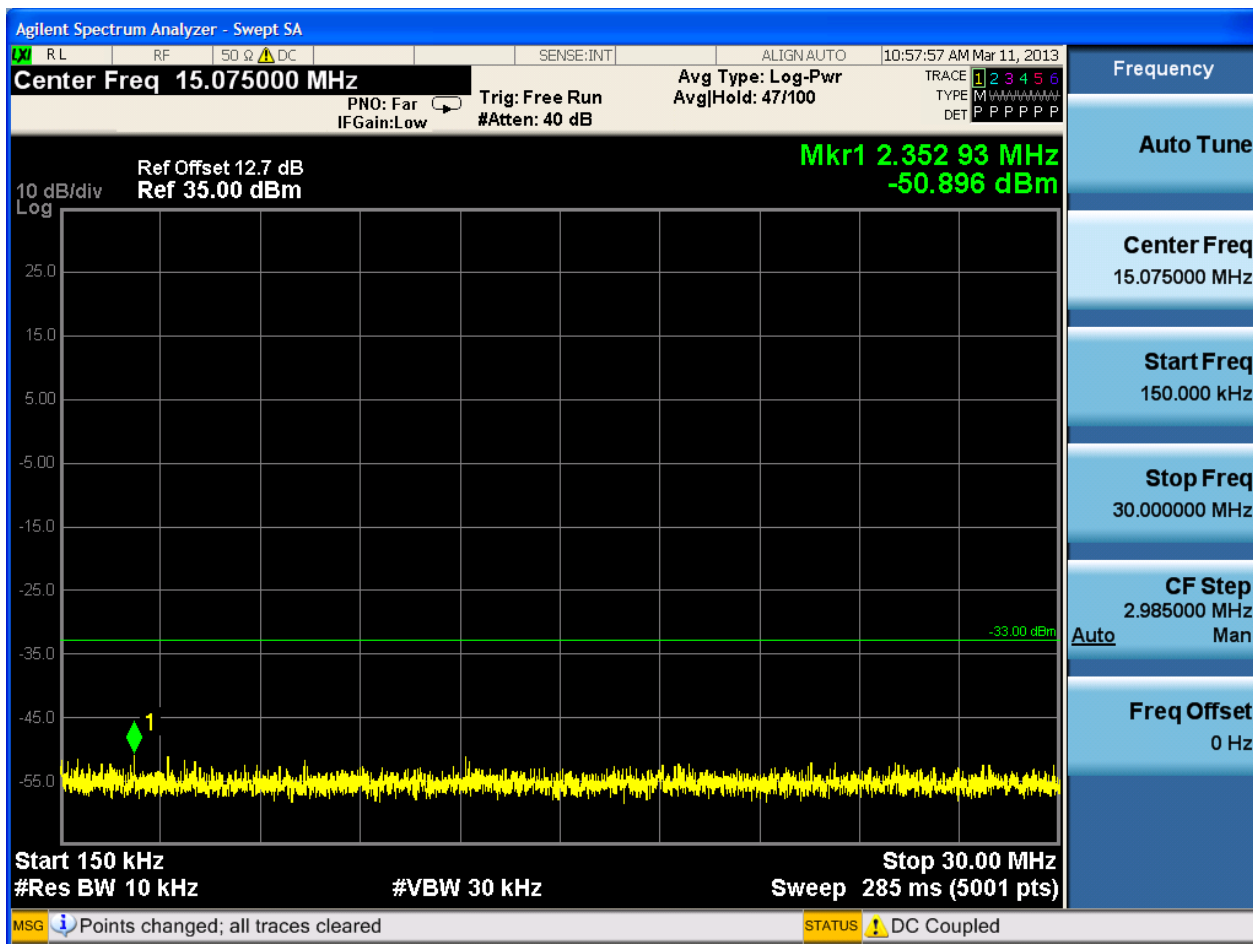


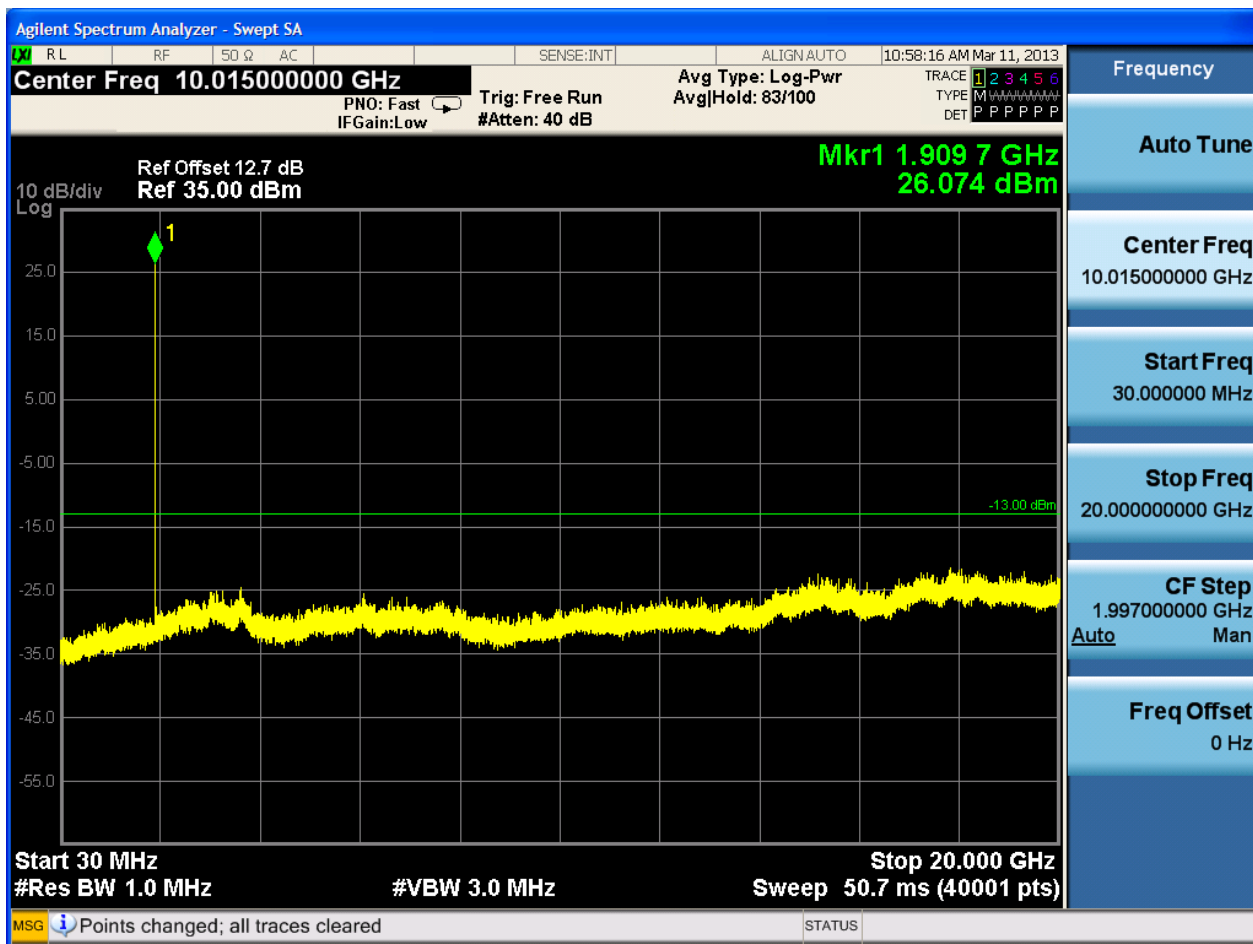


6.1.2.2 Test Mode = GSM/TM2

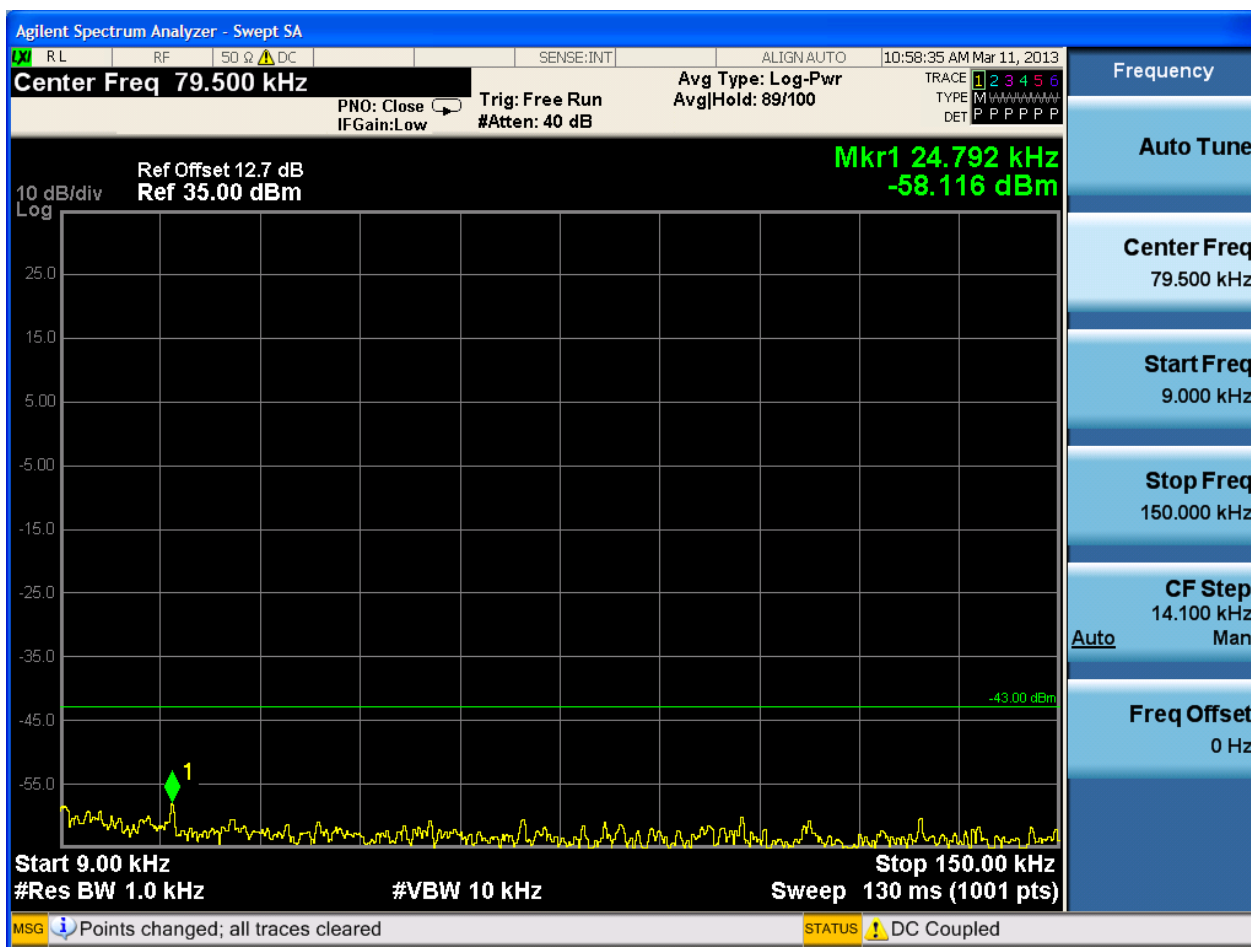
6.1.2.2.1 Test Channel = LCH

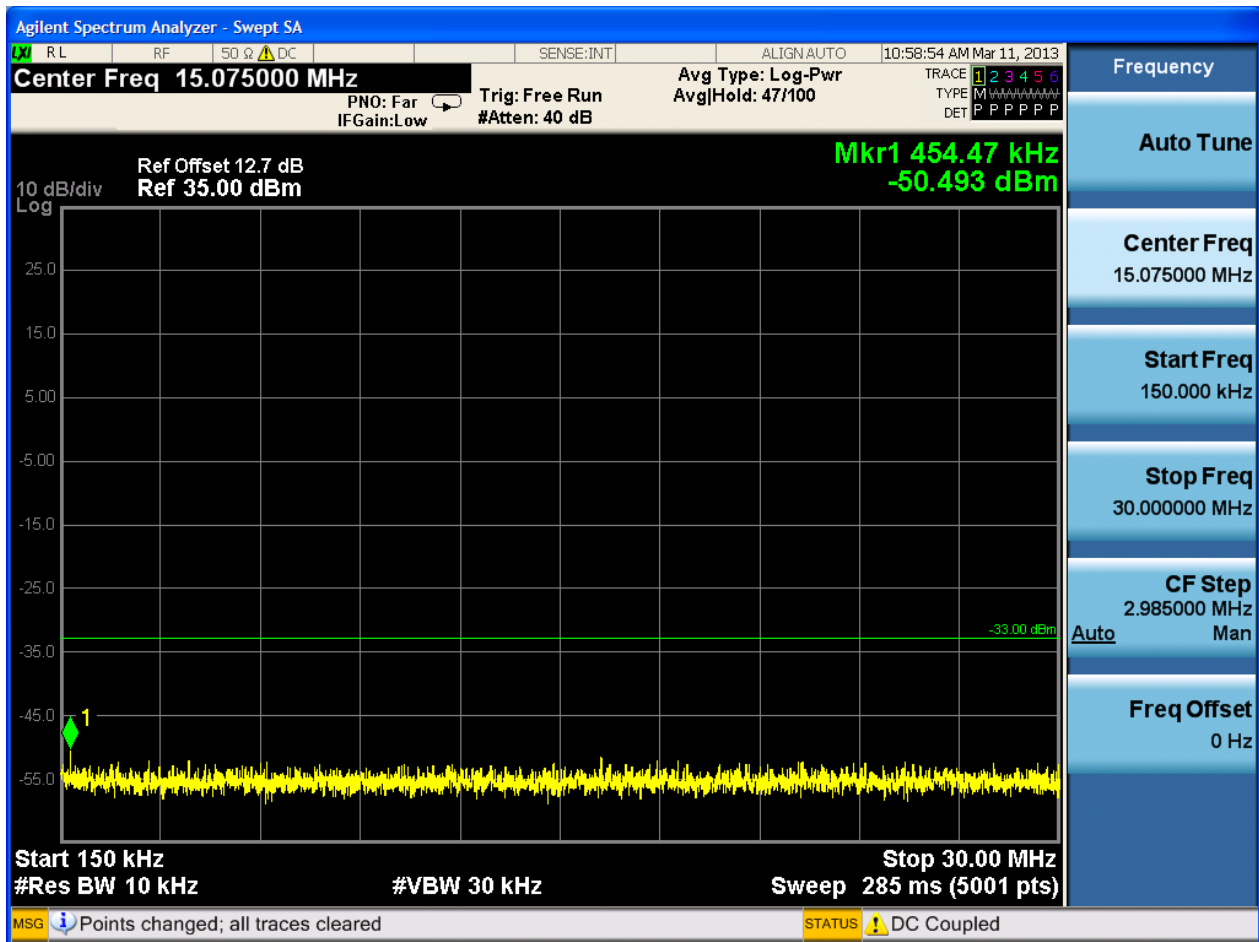


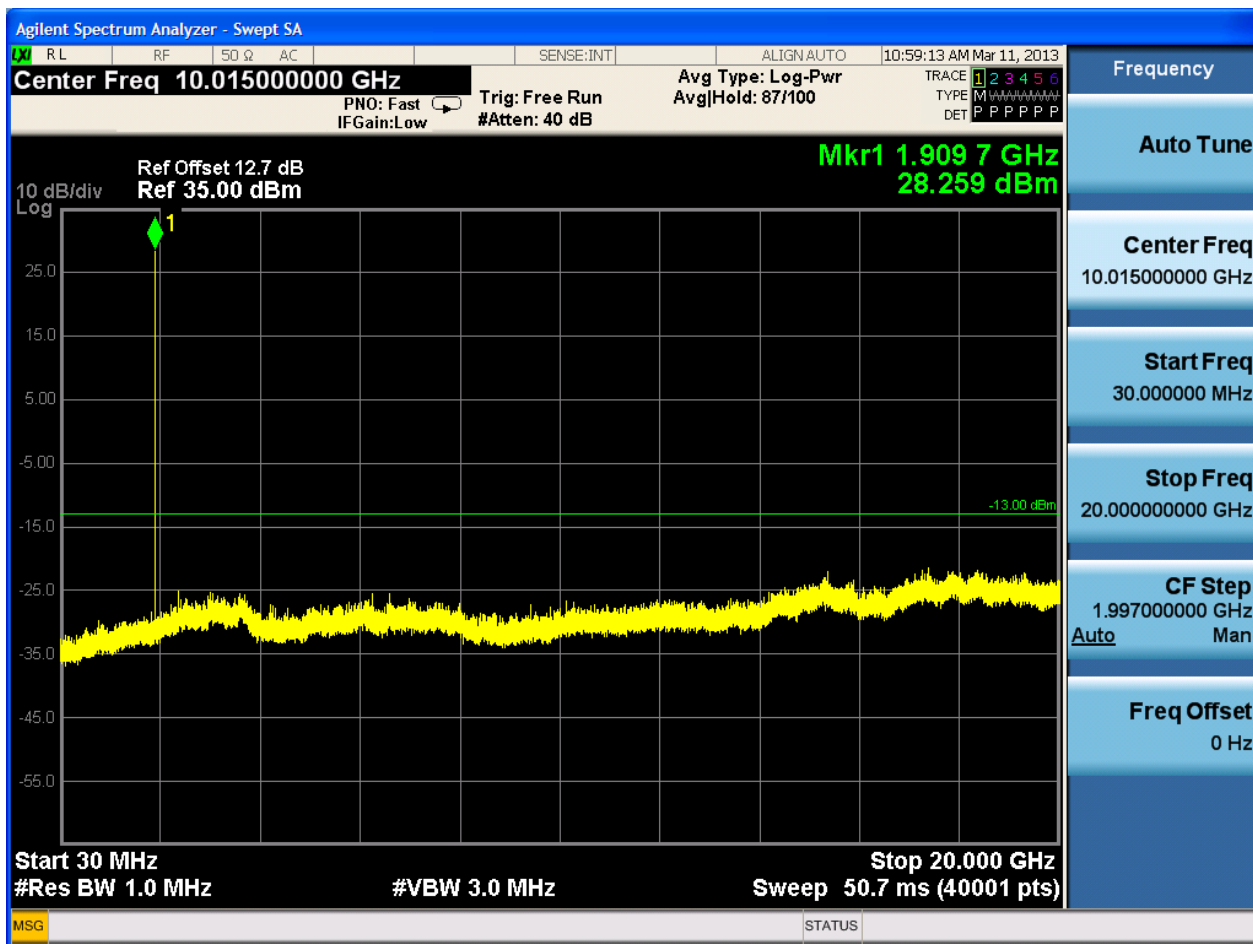


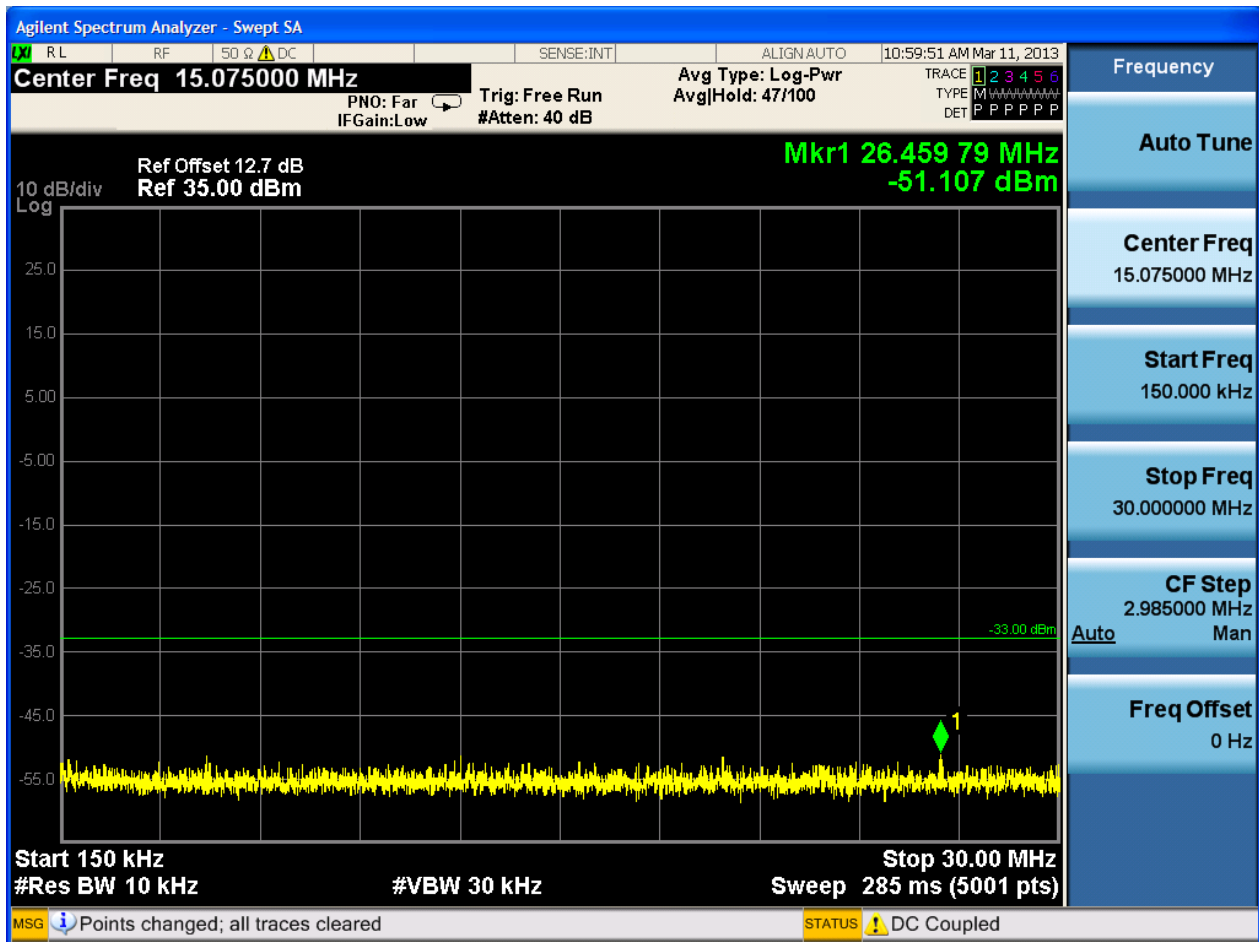


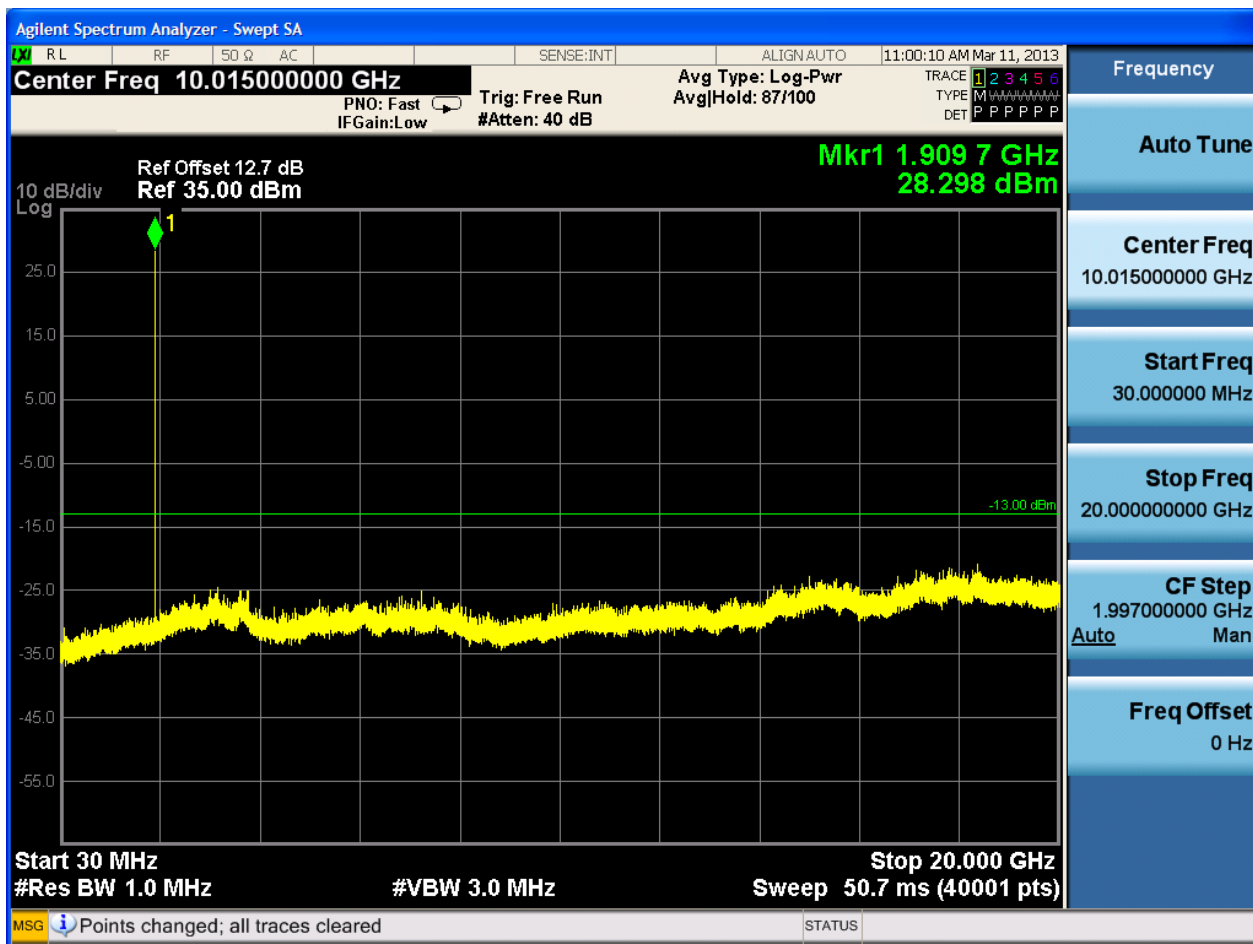
6.1.2.2.2 Test Channel = MCH









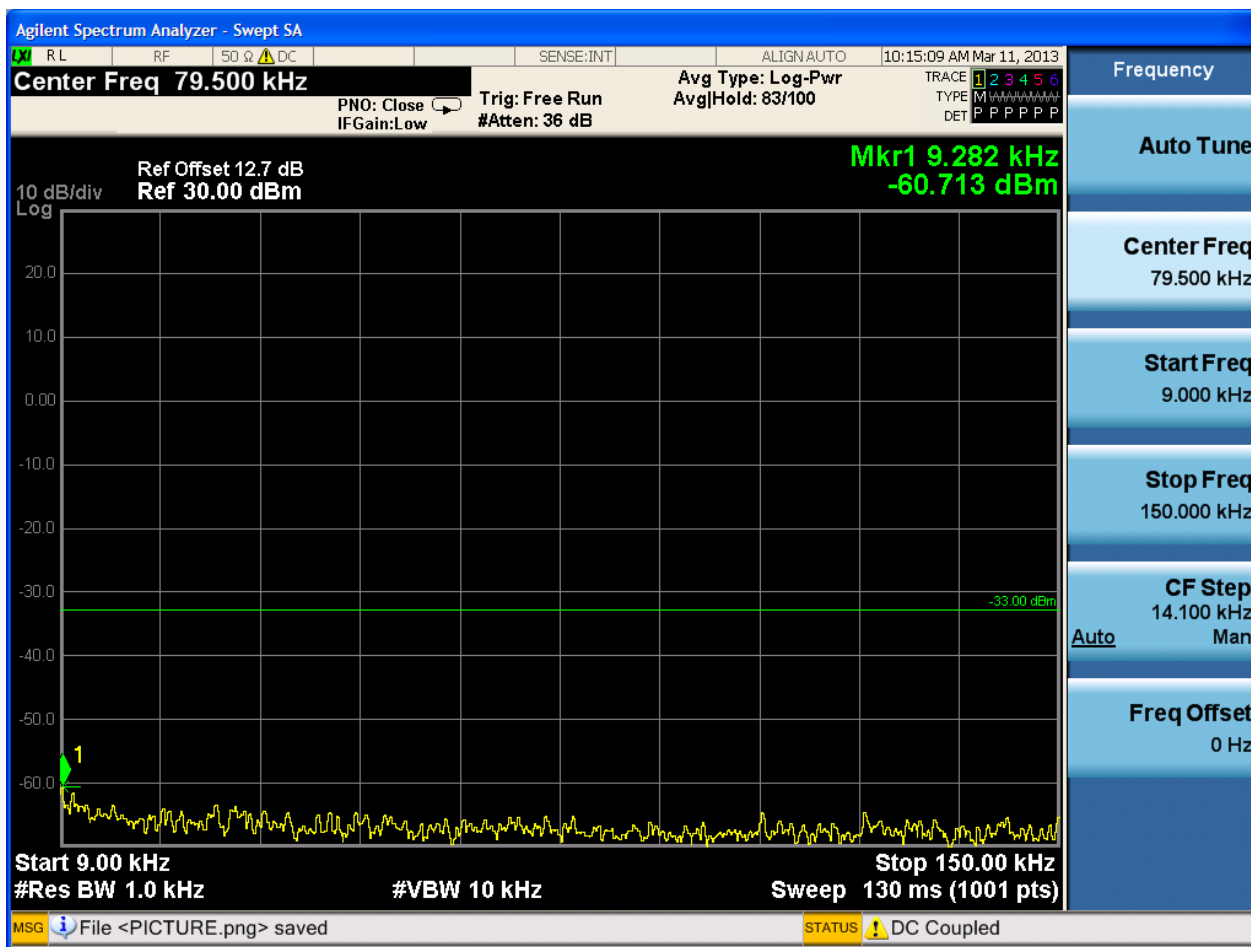


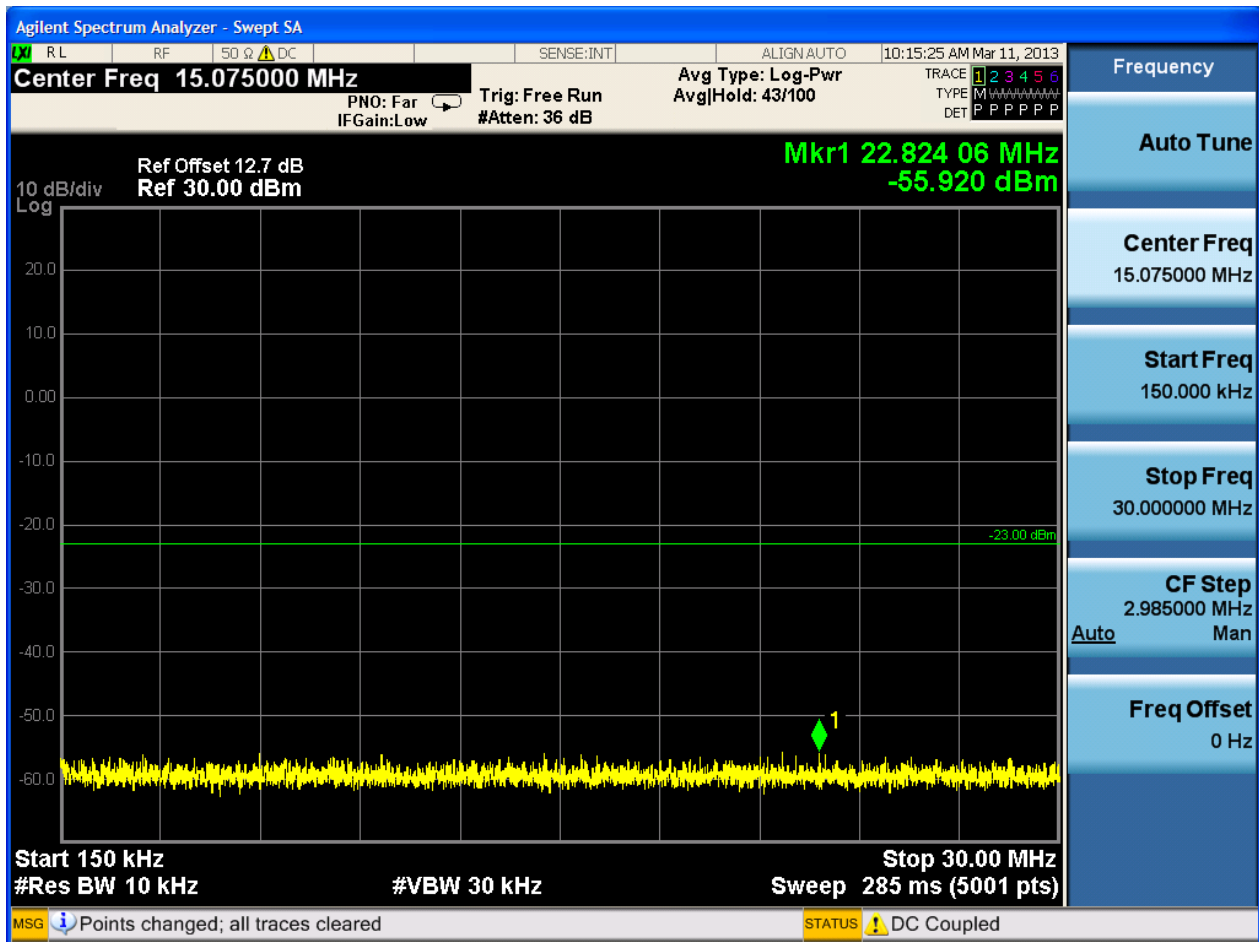
6.2 For UMTS

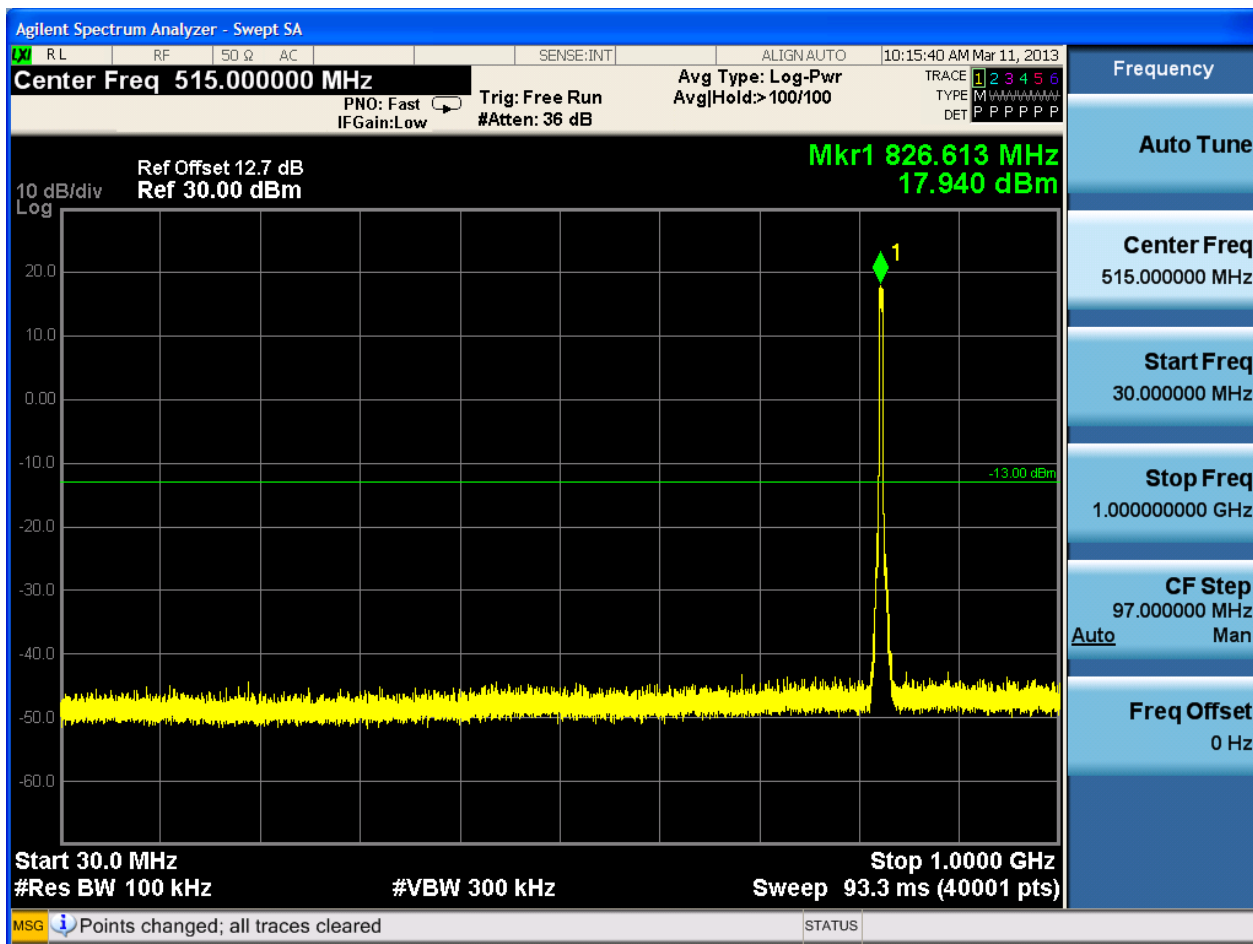
6.2.1 Test Band = WCDMA850

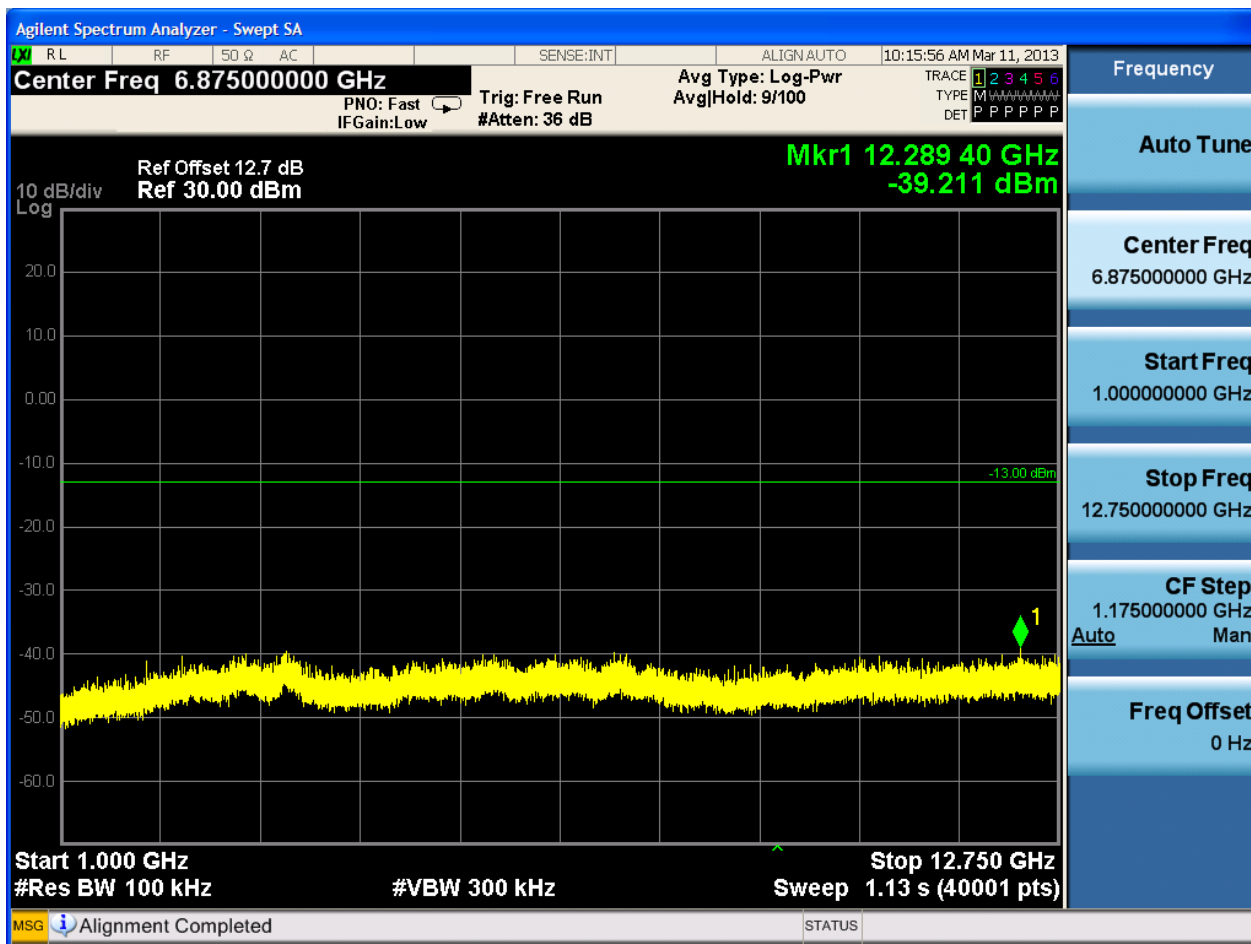
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

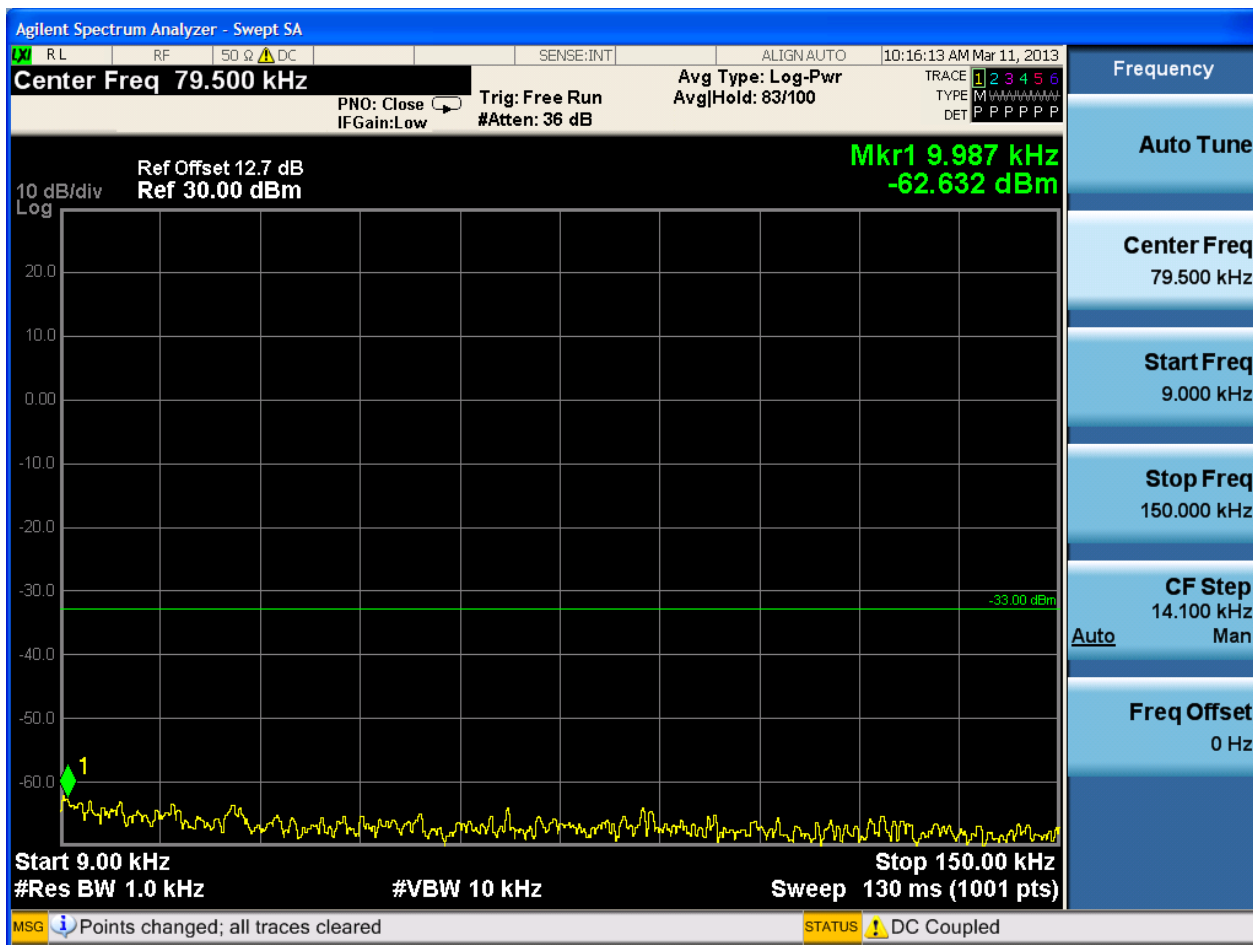


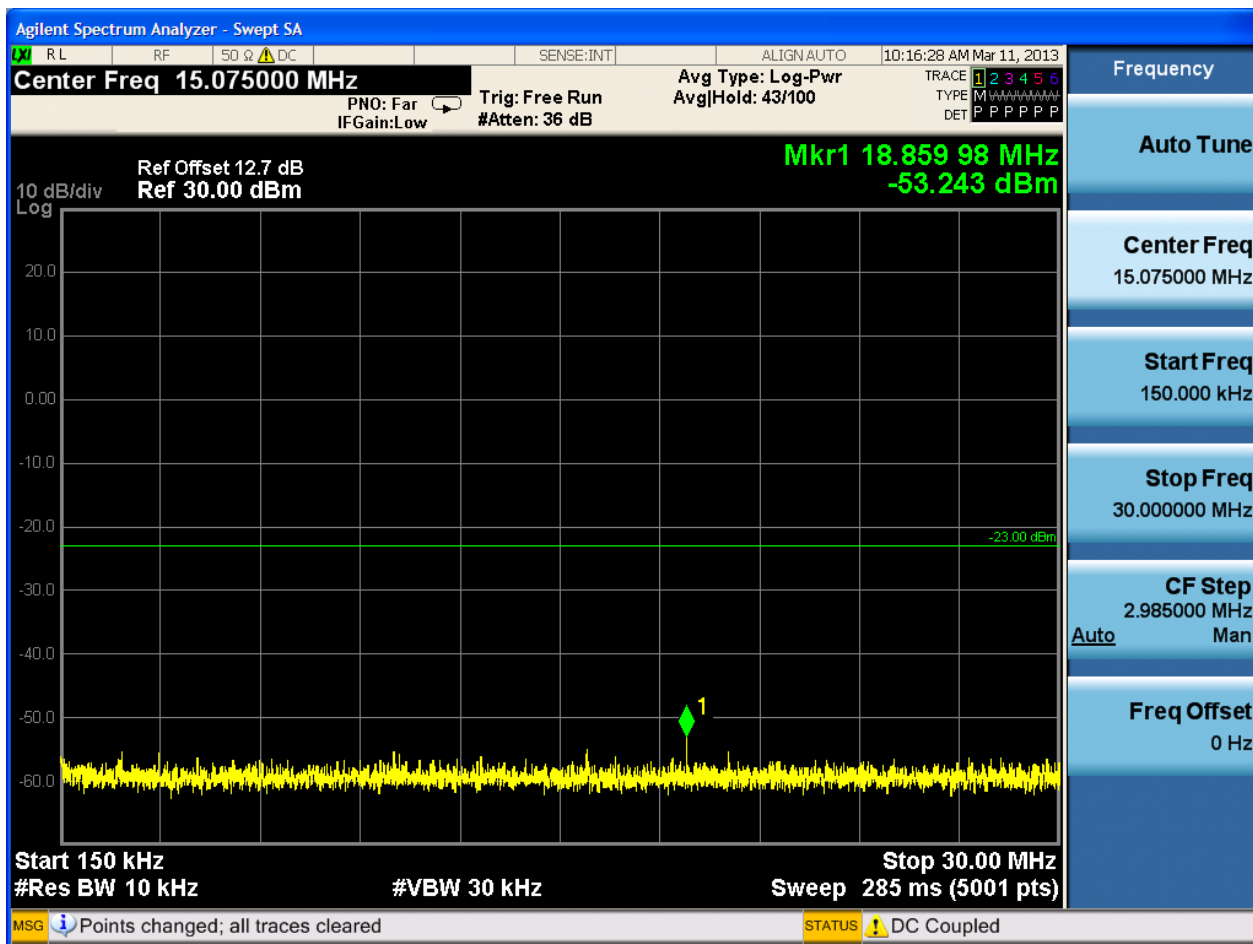


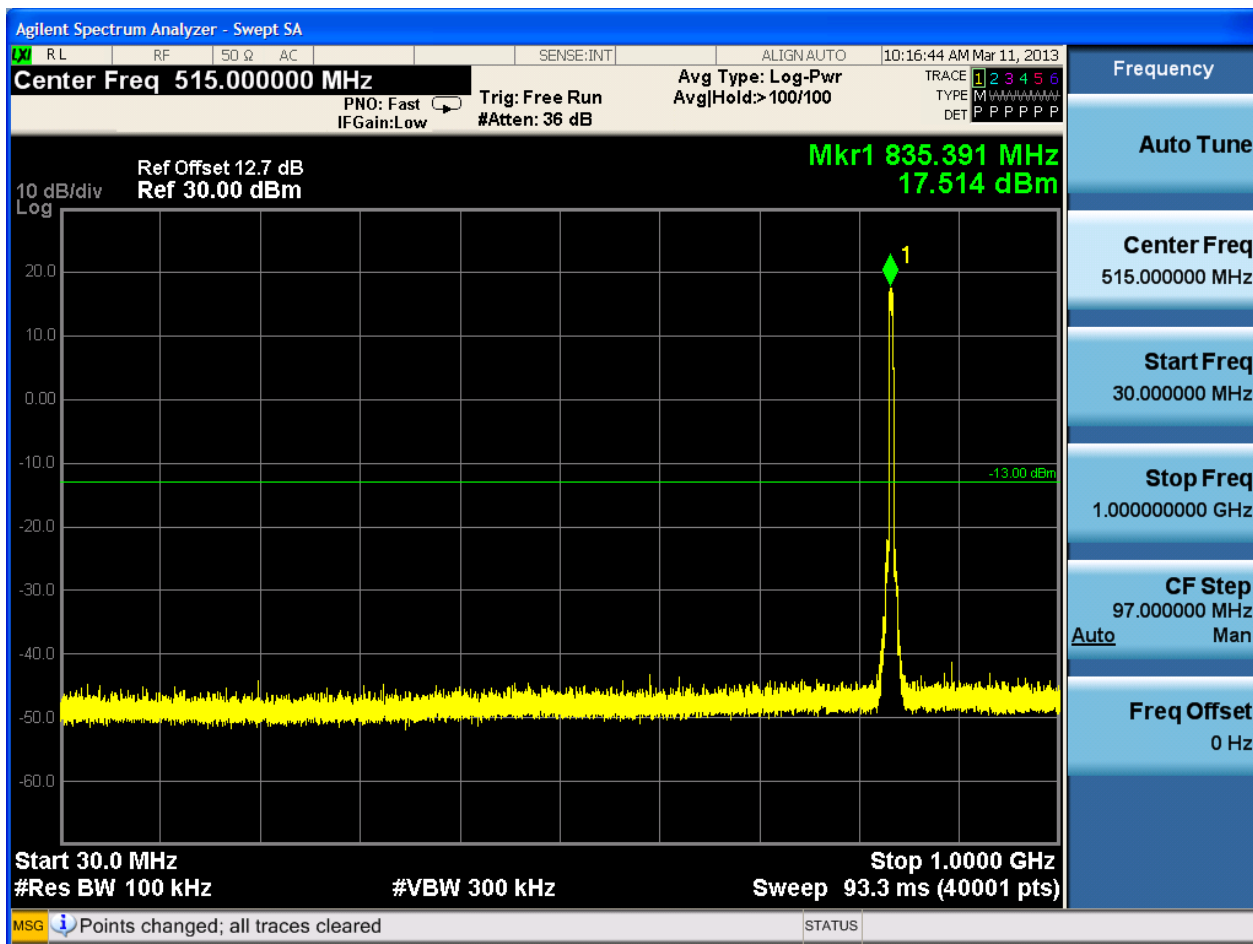


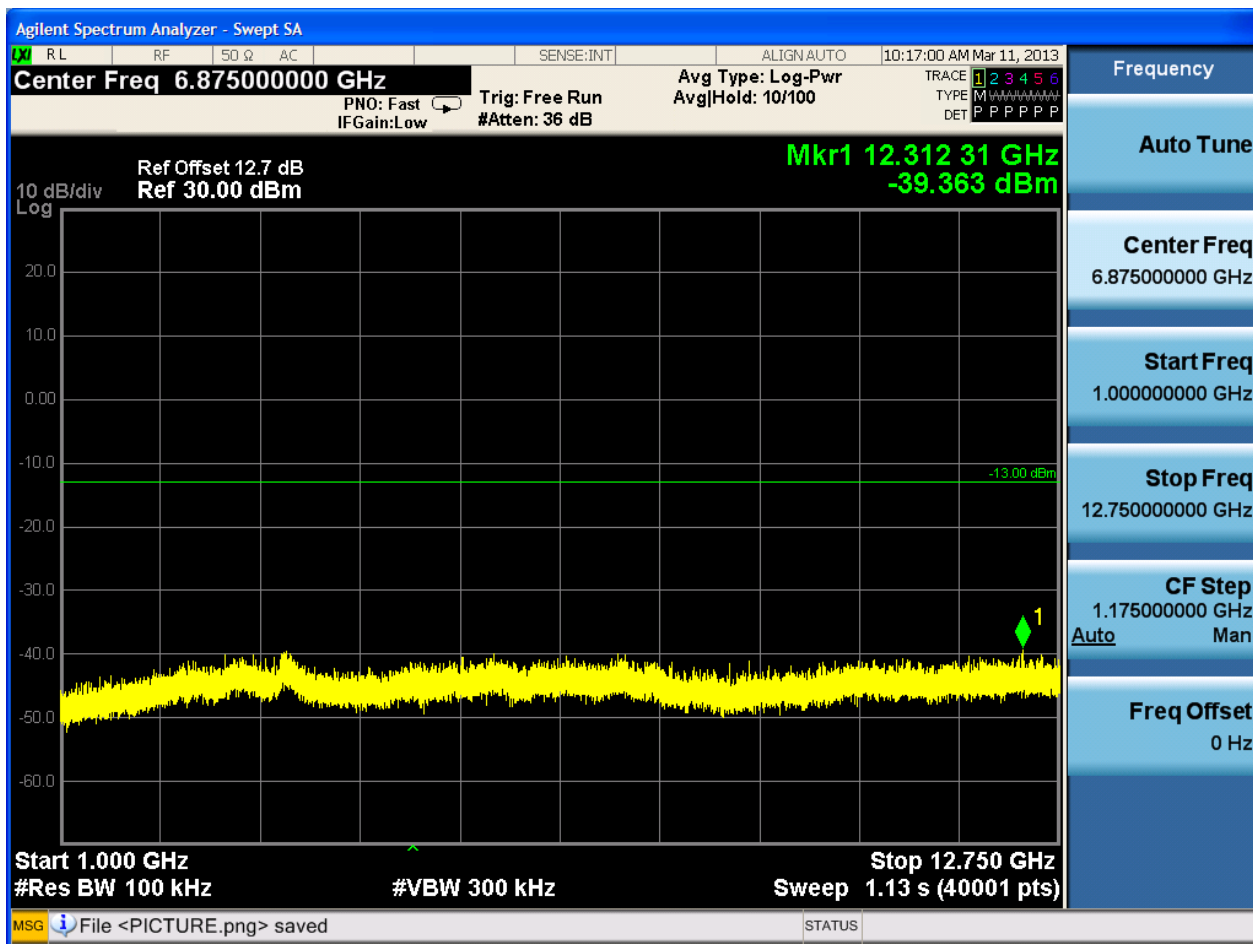


6.2.1.1.2 Test Channel = MCH

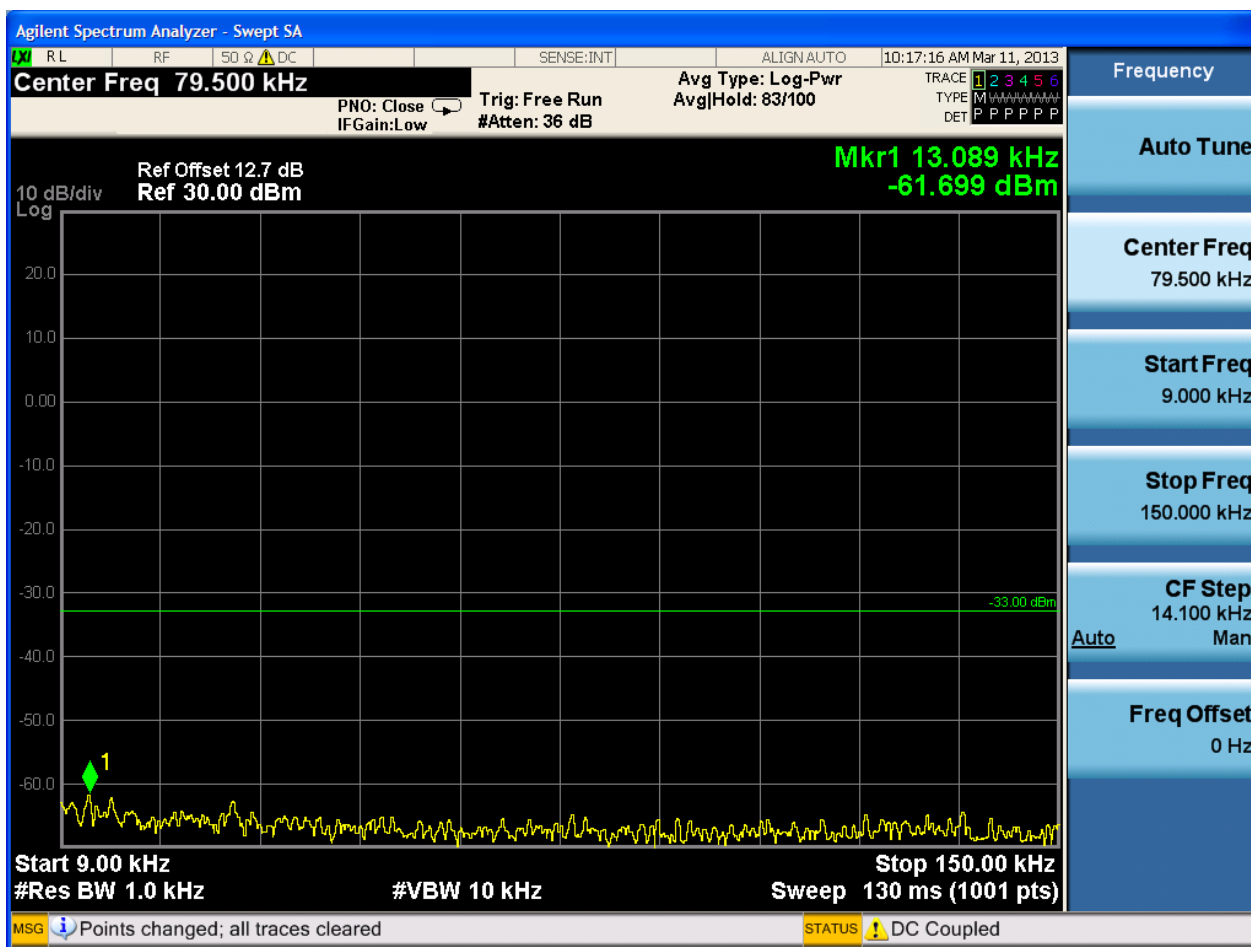


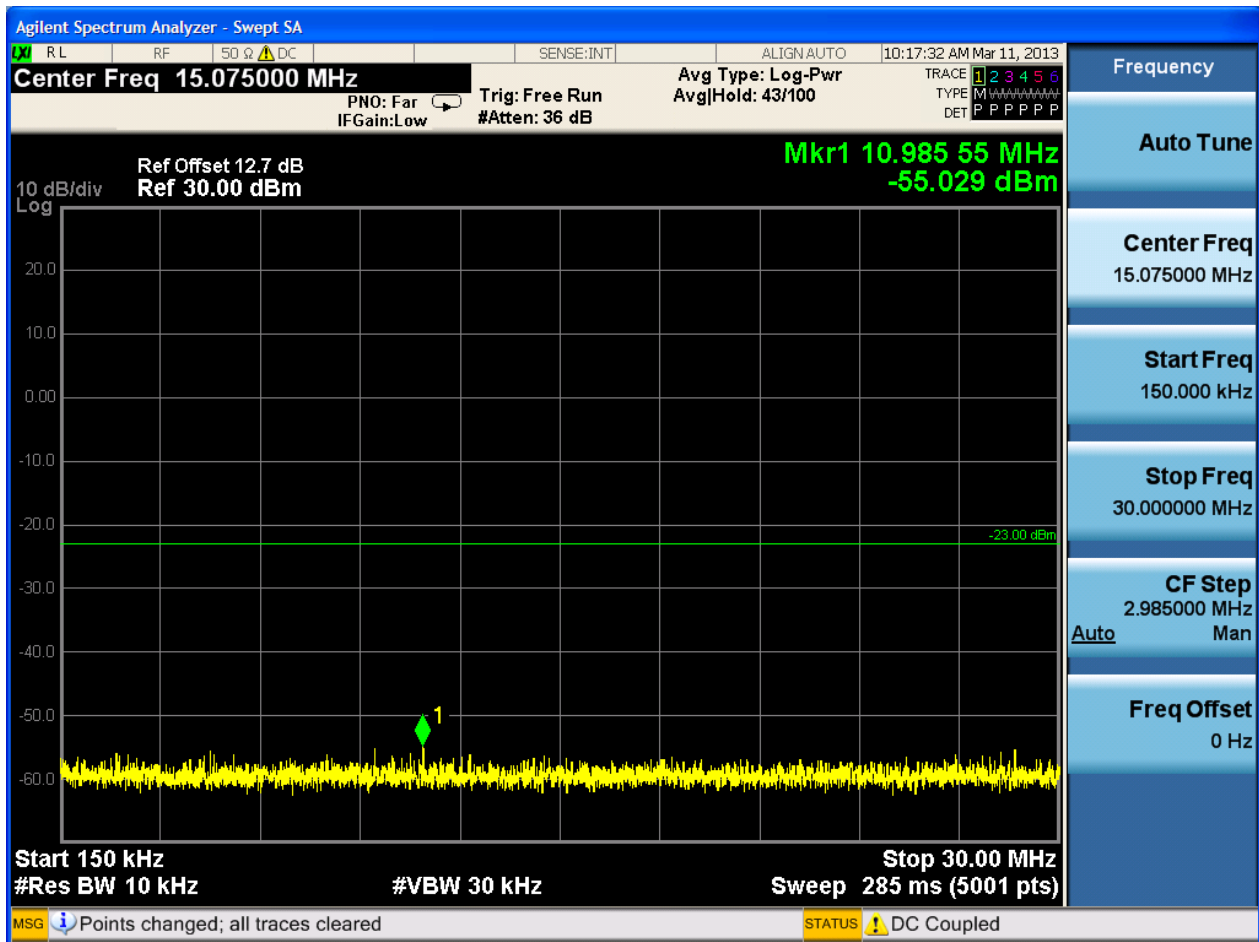


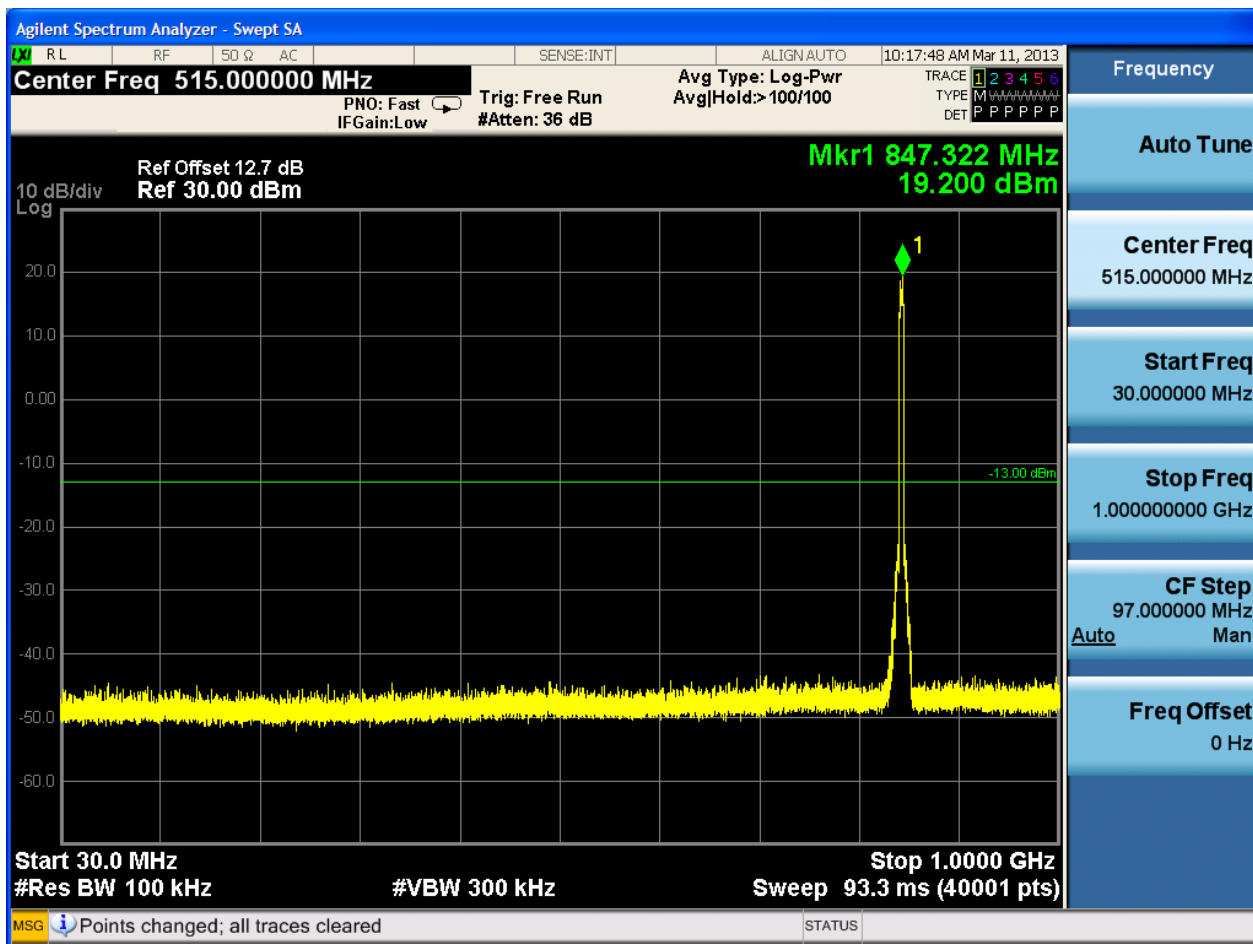


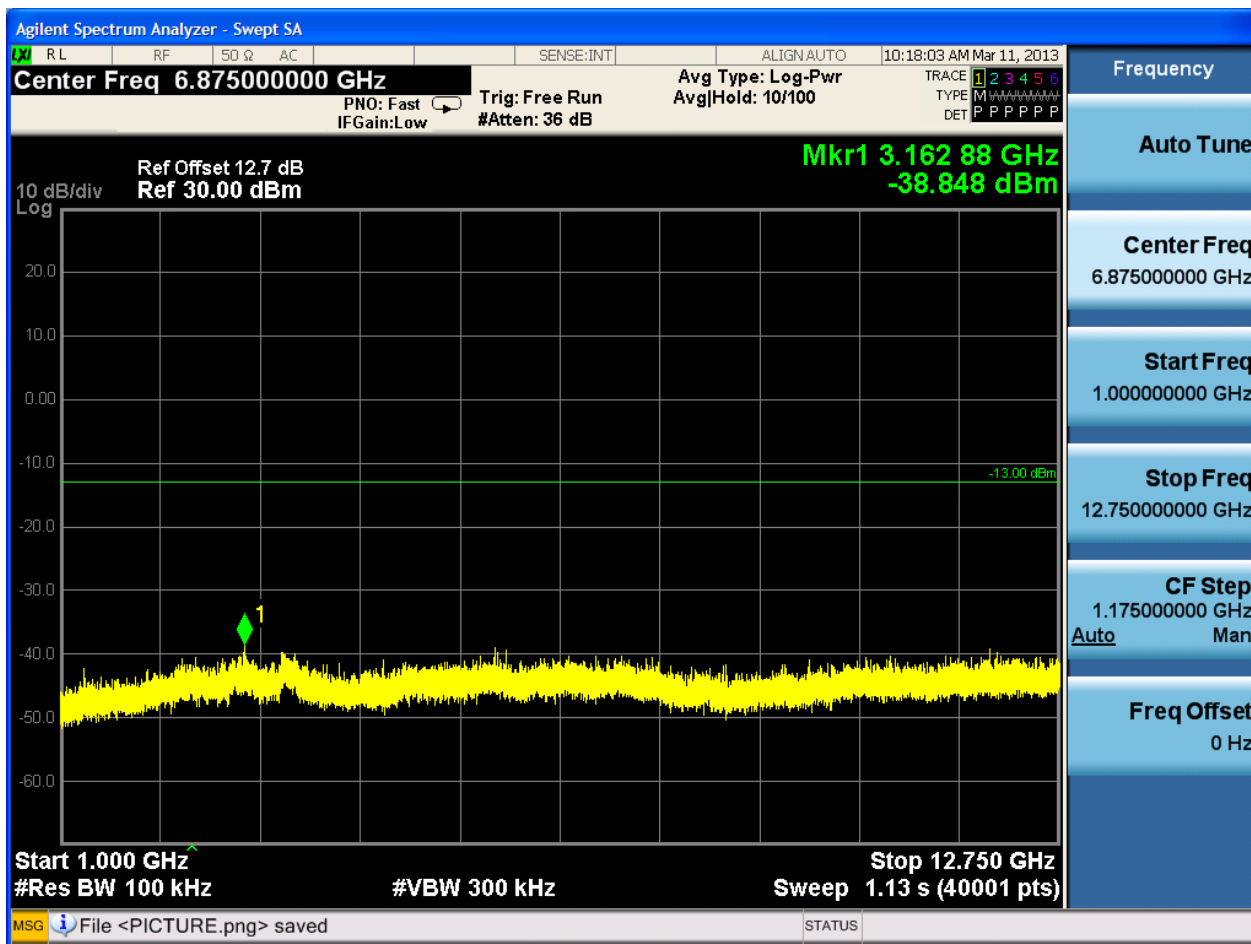


6.2.1.1.3 Test Channel = HCH





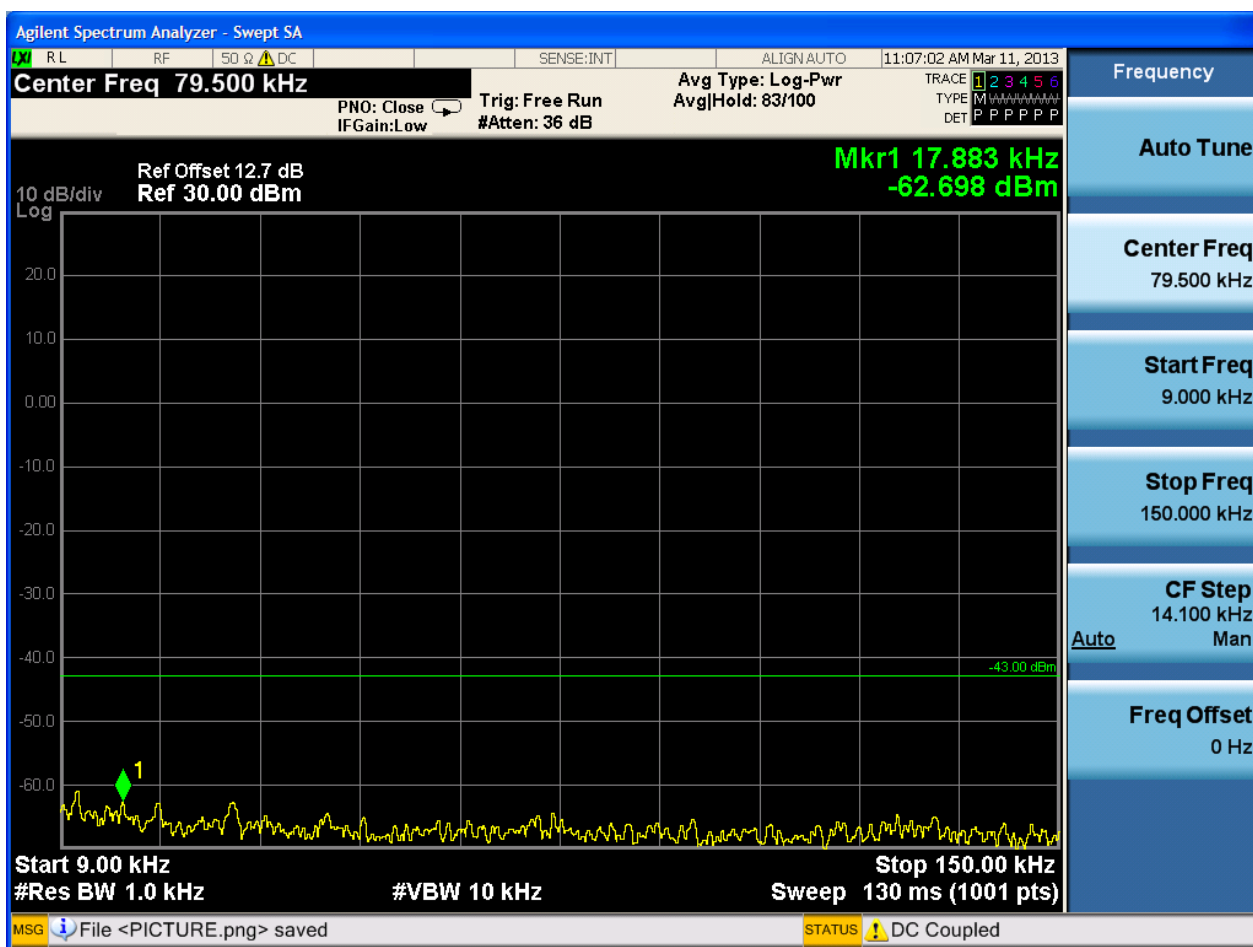


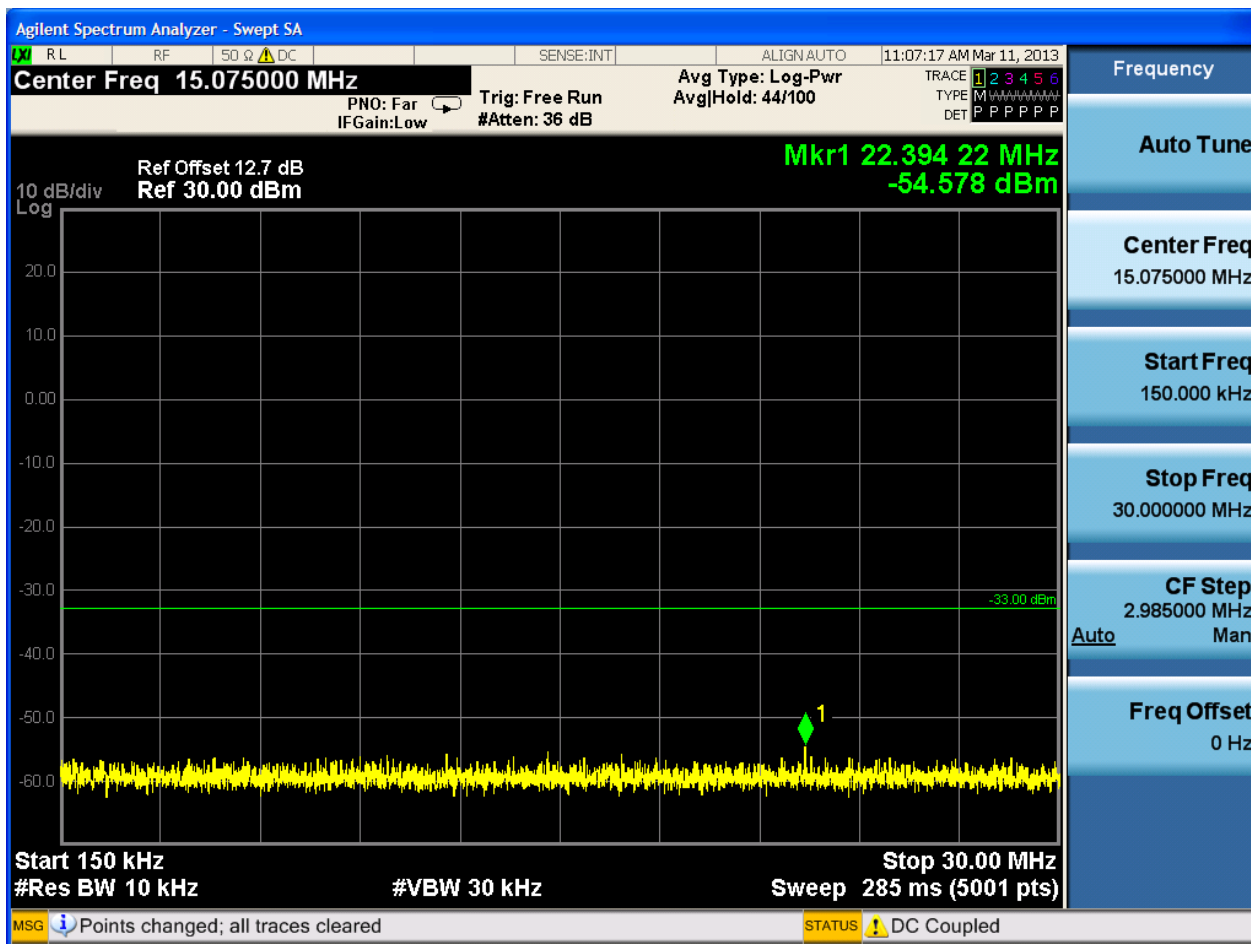


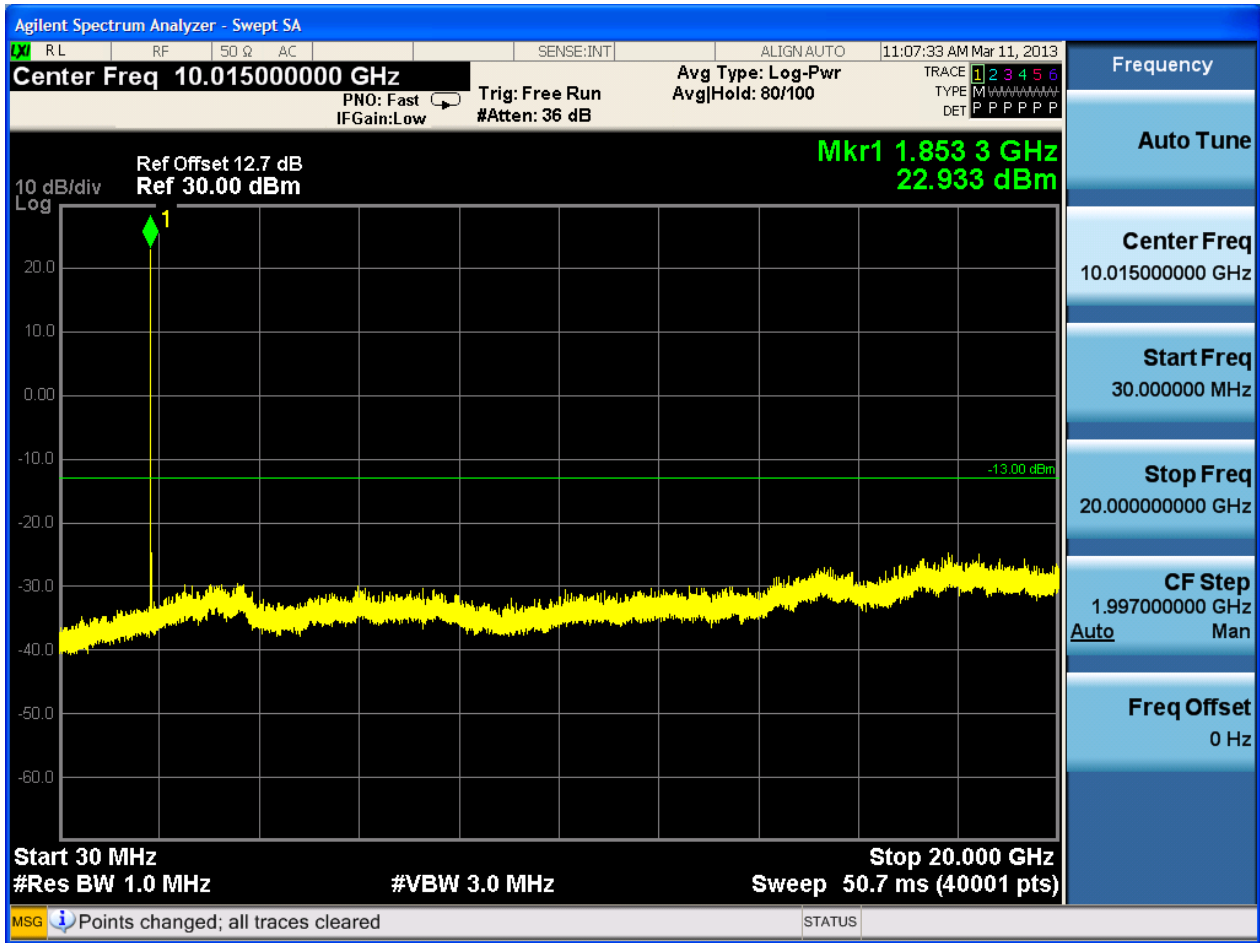
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

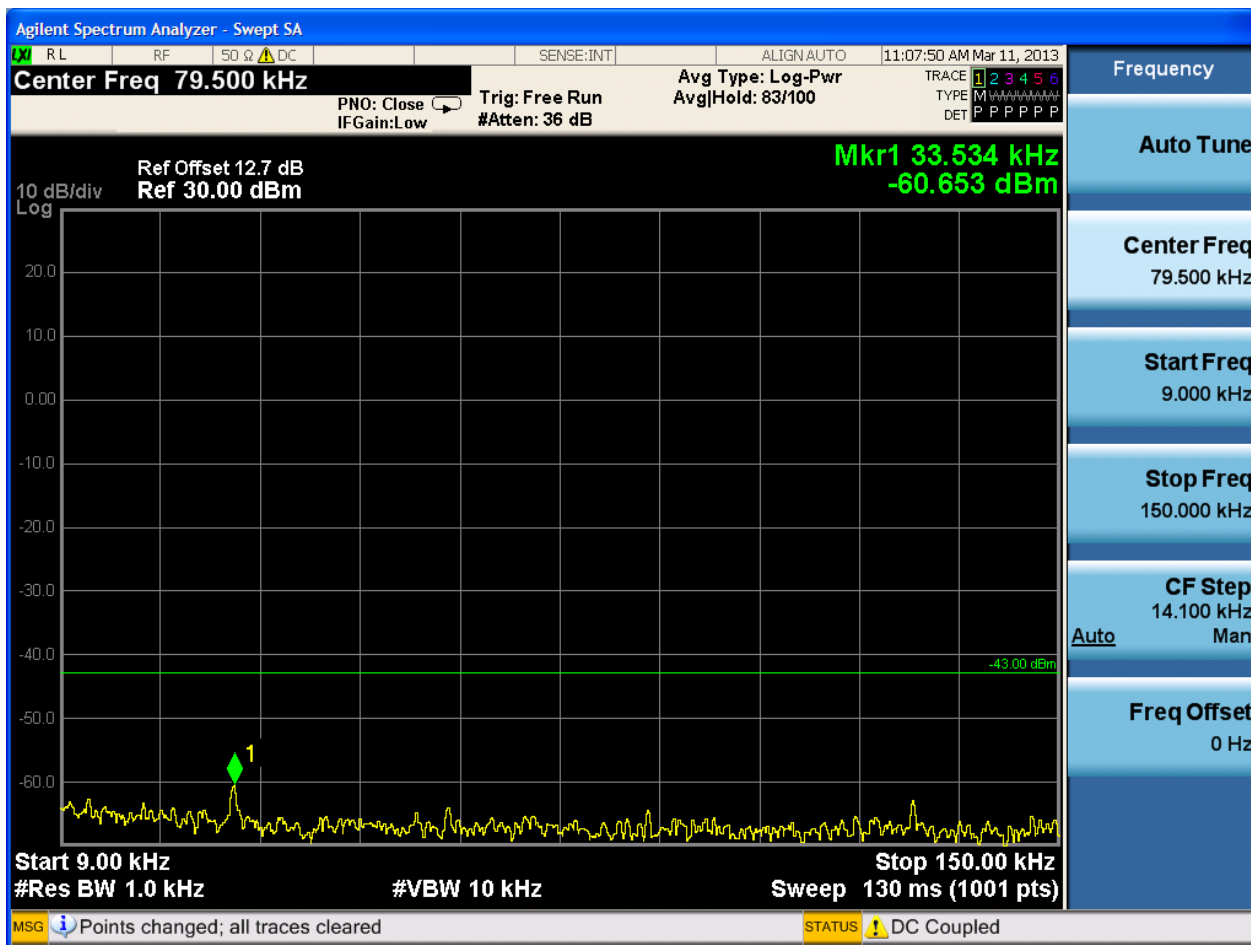
6.2.2.1.1 Test Channel = LCH

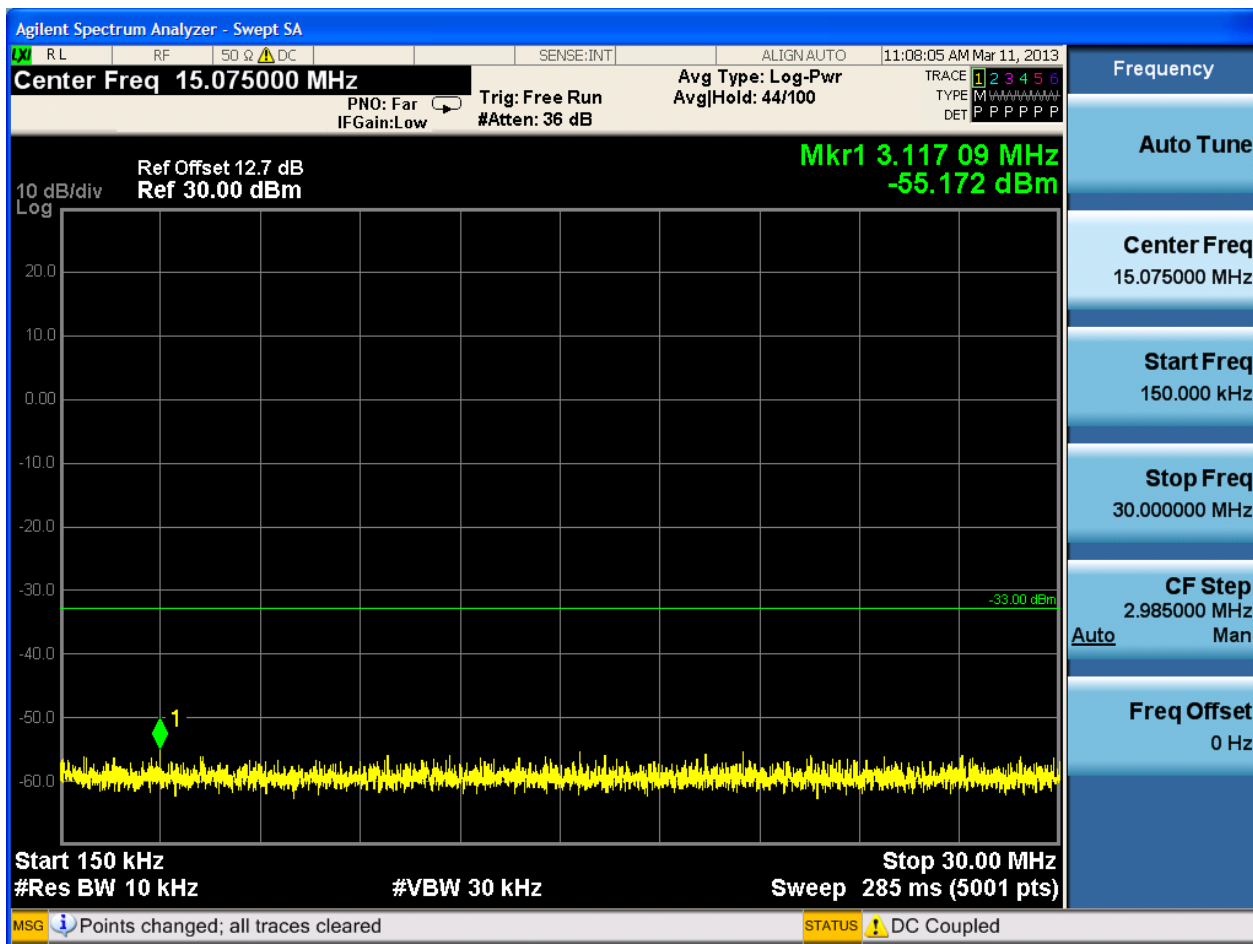


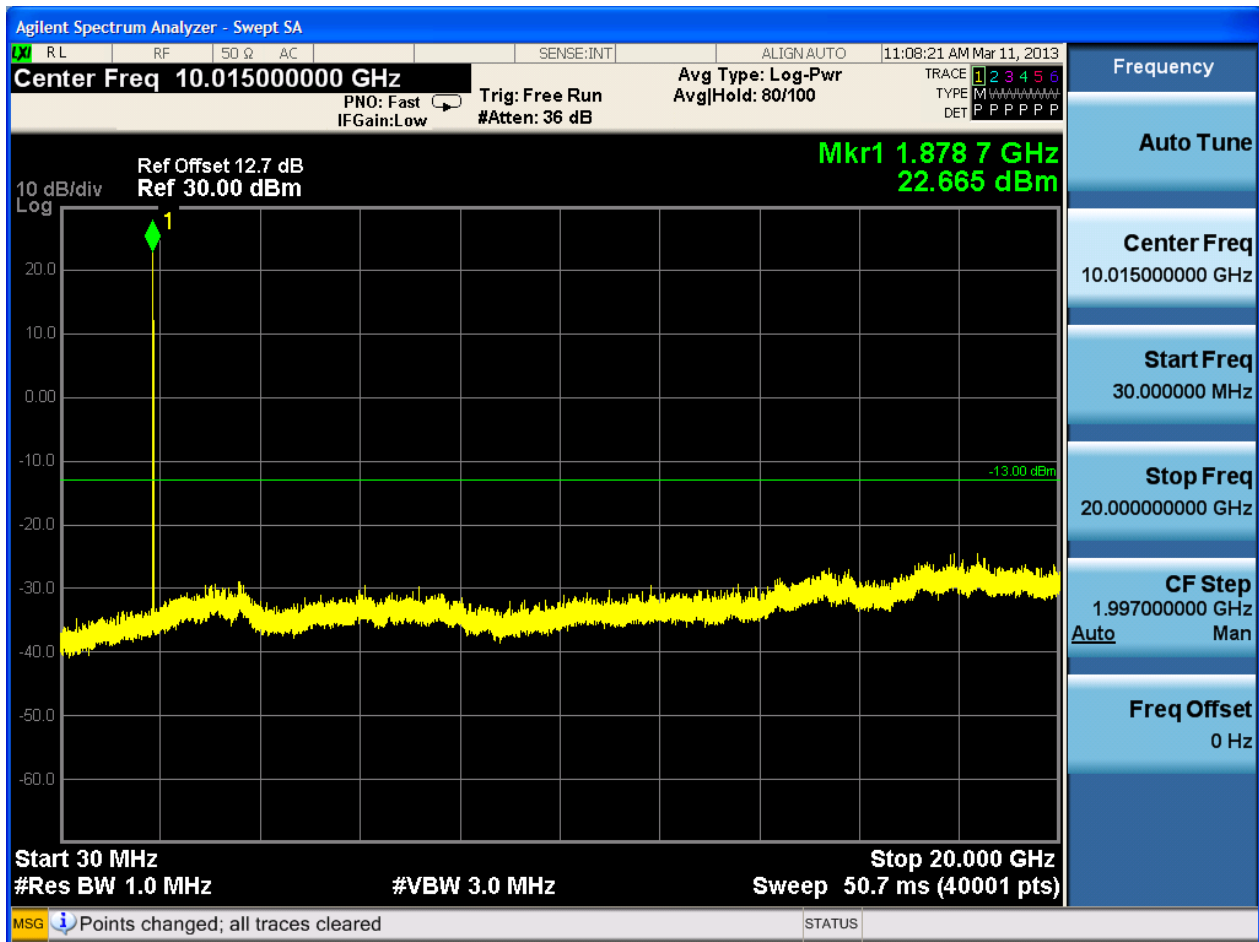




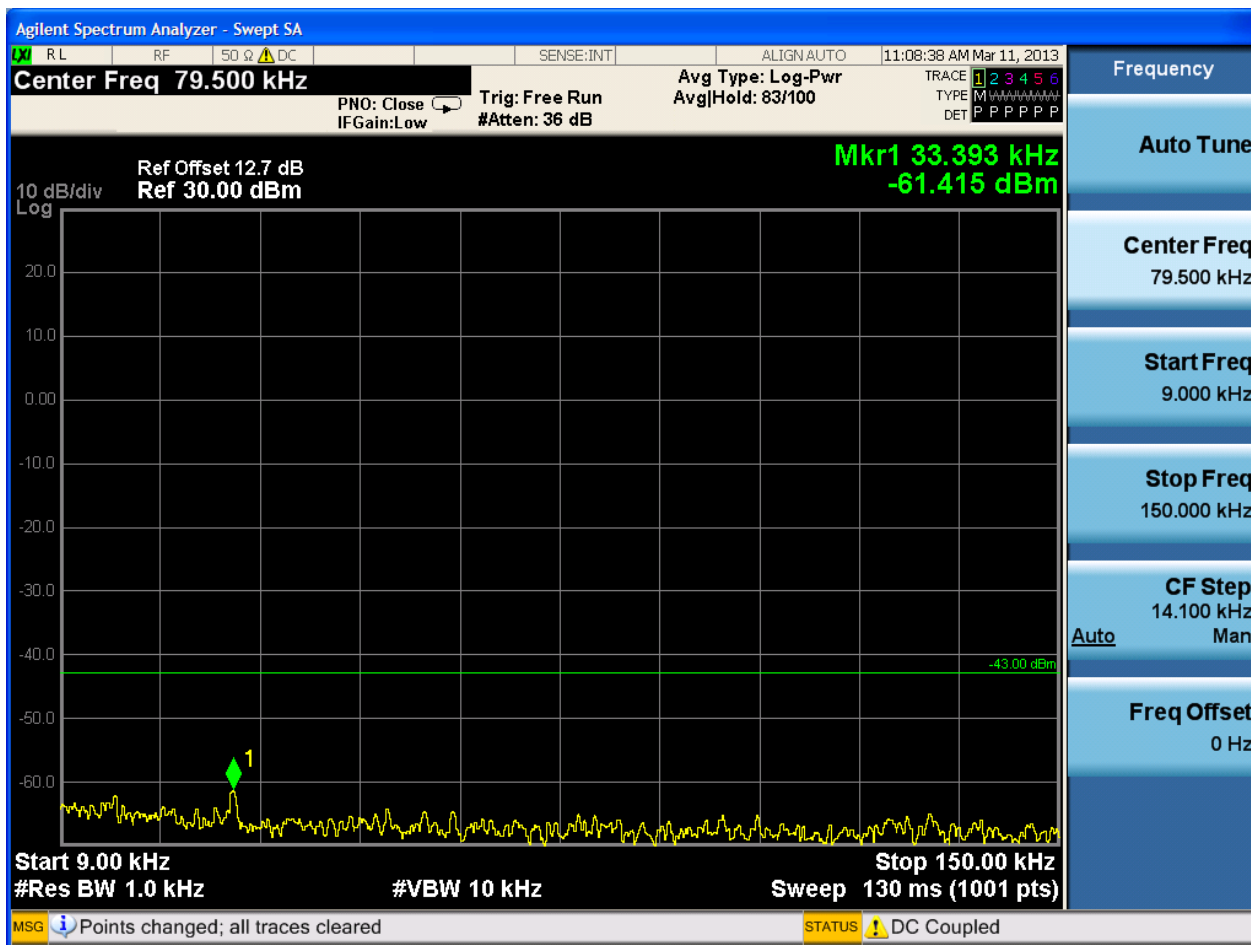
6.2.2.1.2 Test Channel = MCH

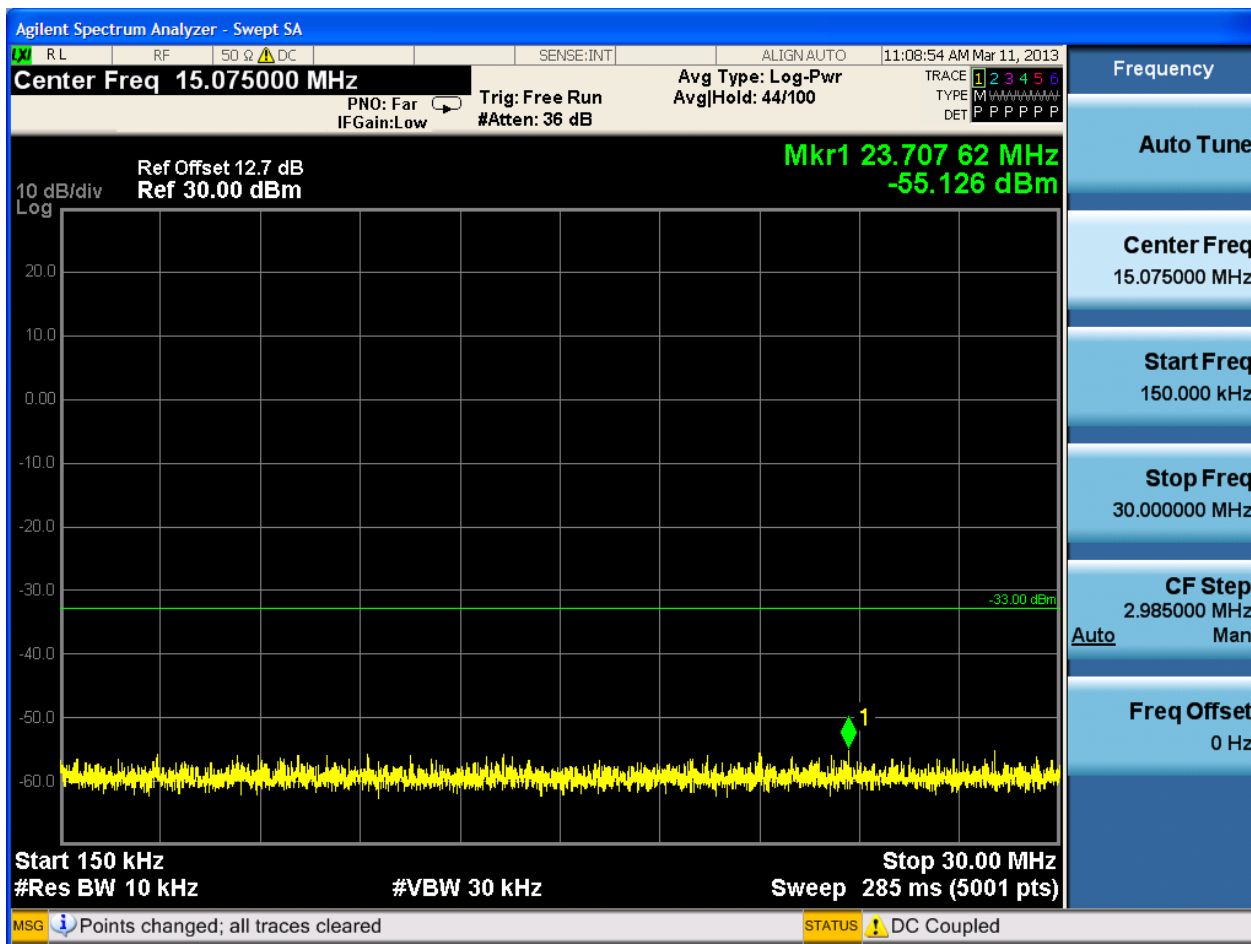


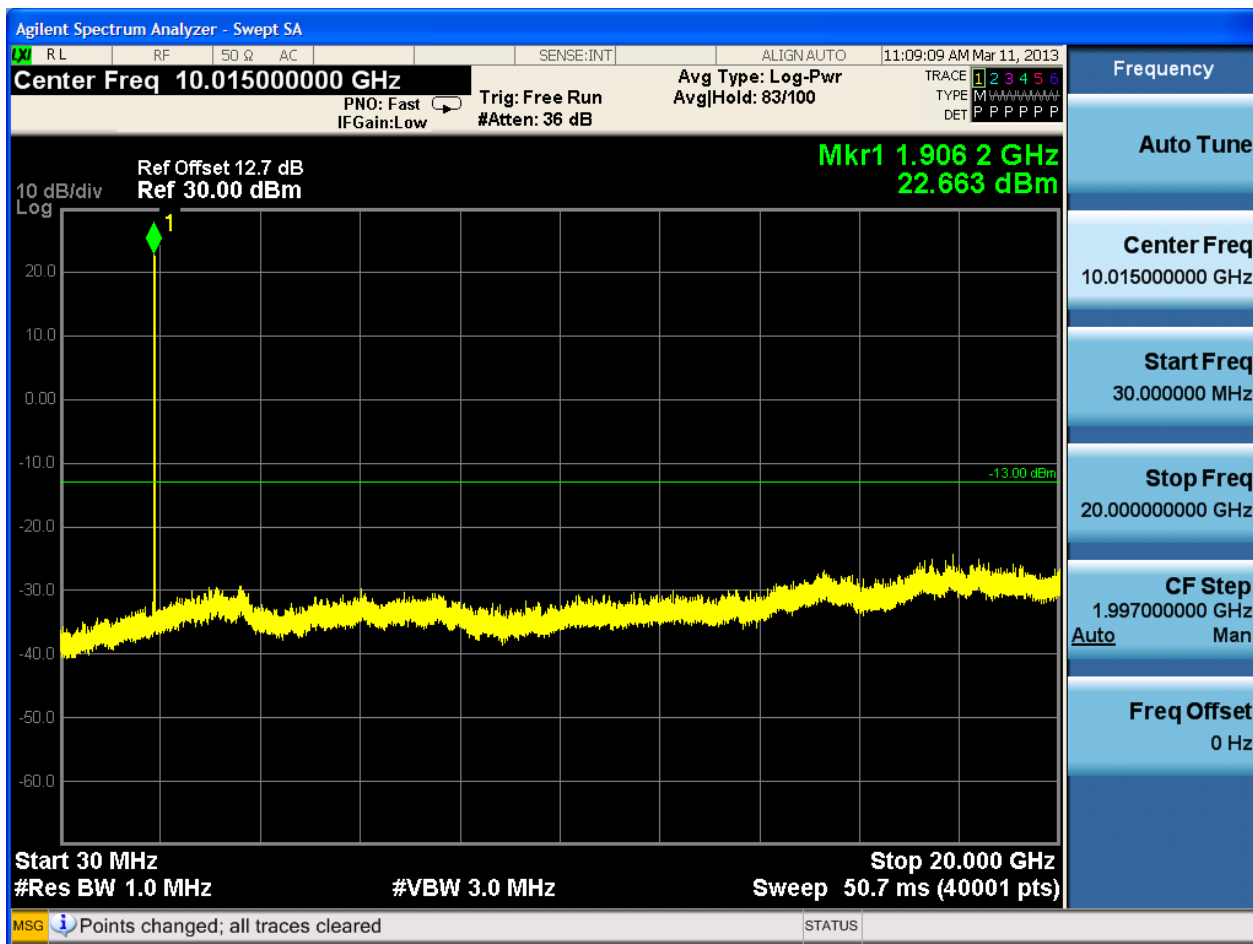




6.2.2.1.3 Test Channel = HCH







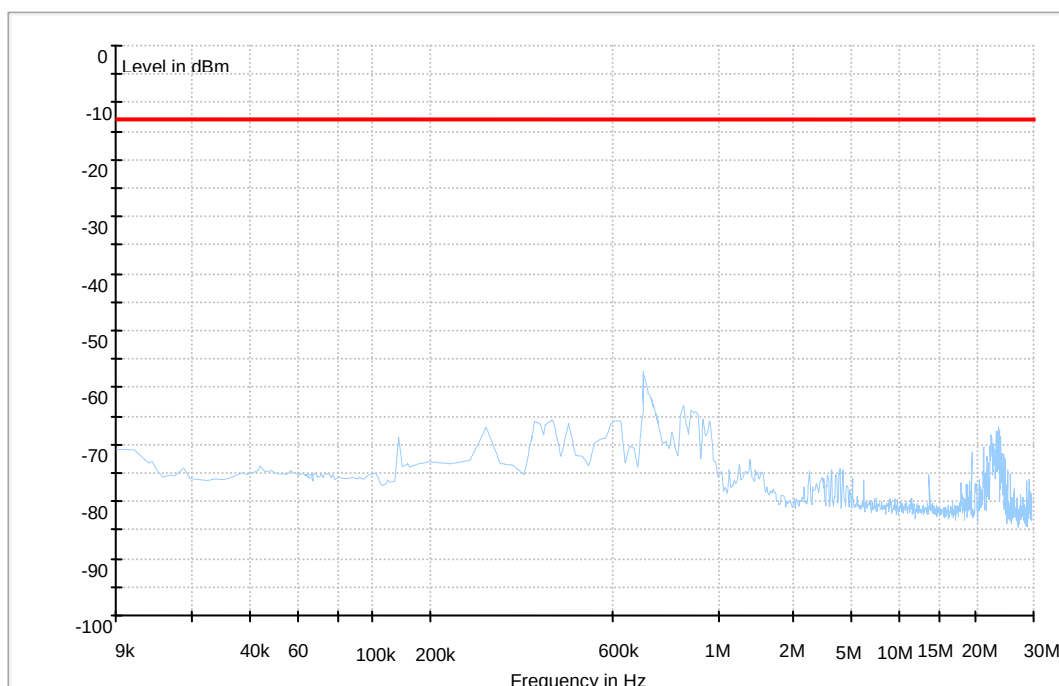
7Appendix_G: Radiated spurious emission

7.1For GSM

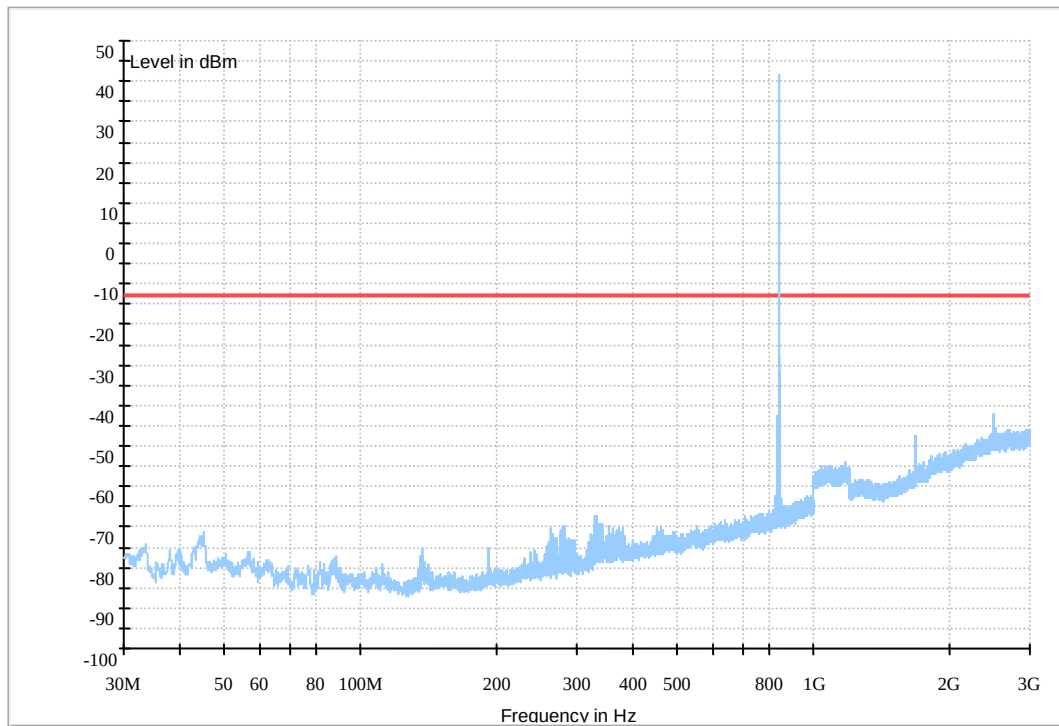
7.1.1Test Band=GSM850

7.1.1.1 Test Mode = GSM/TM1

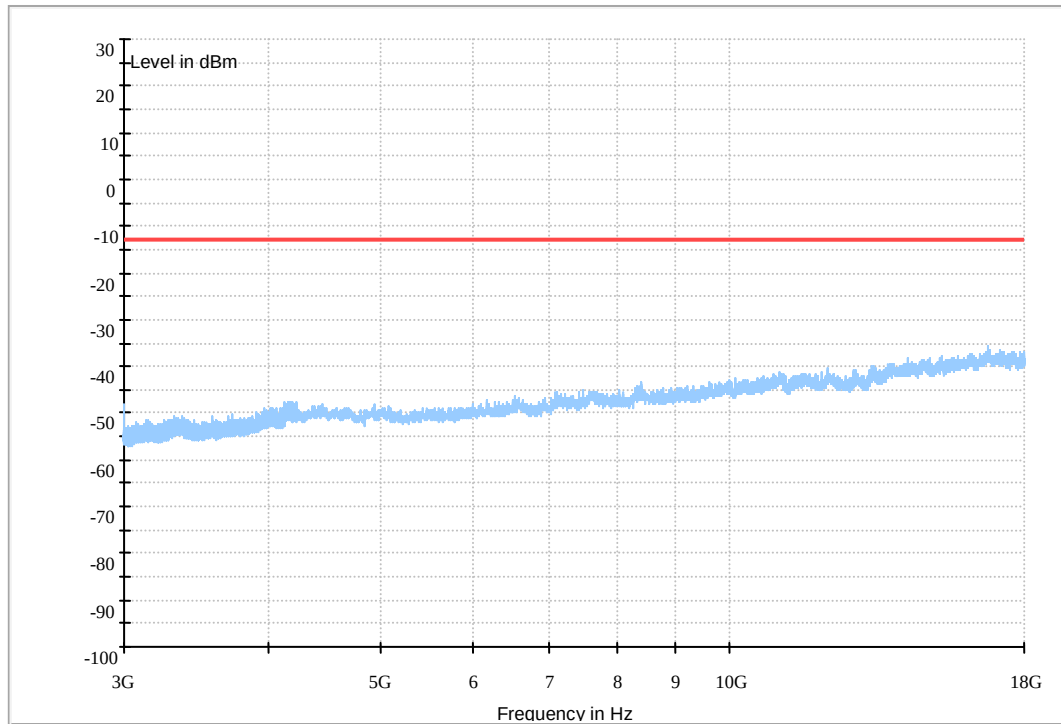
Traffic Mode (9kHz-30MHz)



raffic Mode (30MHz-3GHz)

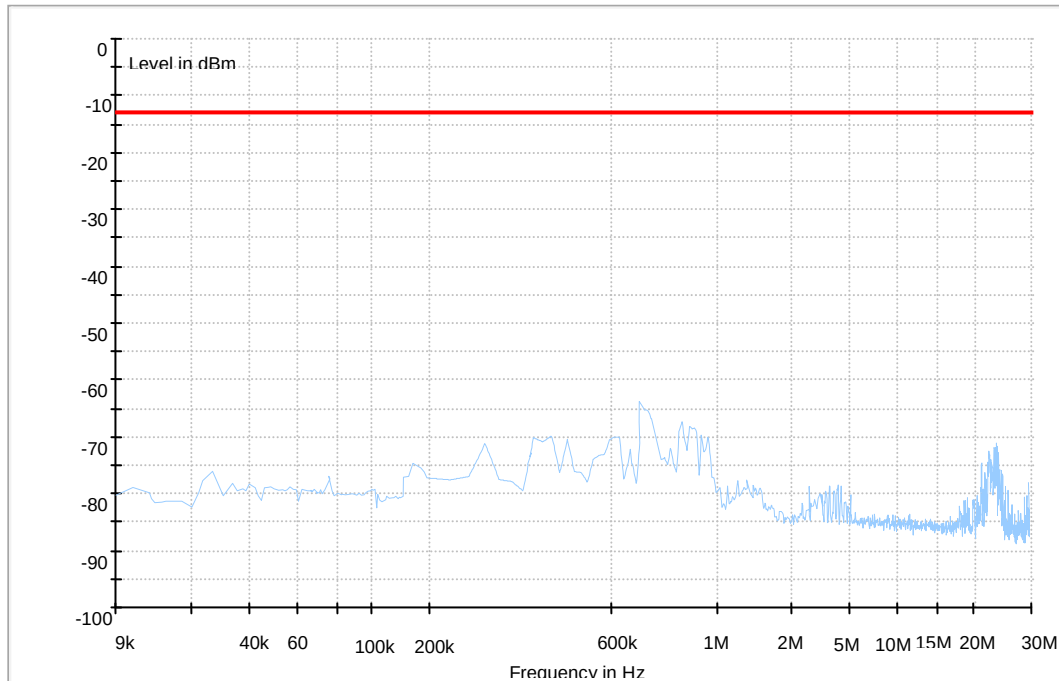


Traffic Mode (3GHz-18GHz)

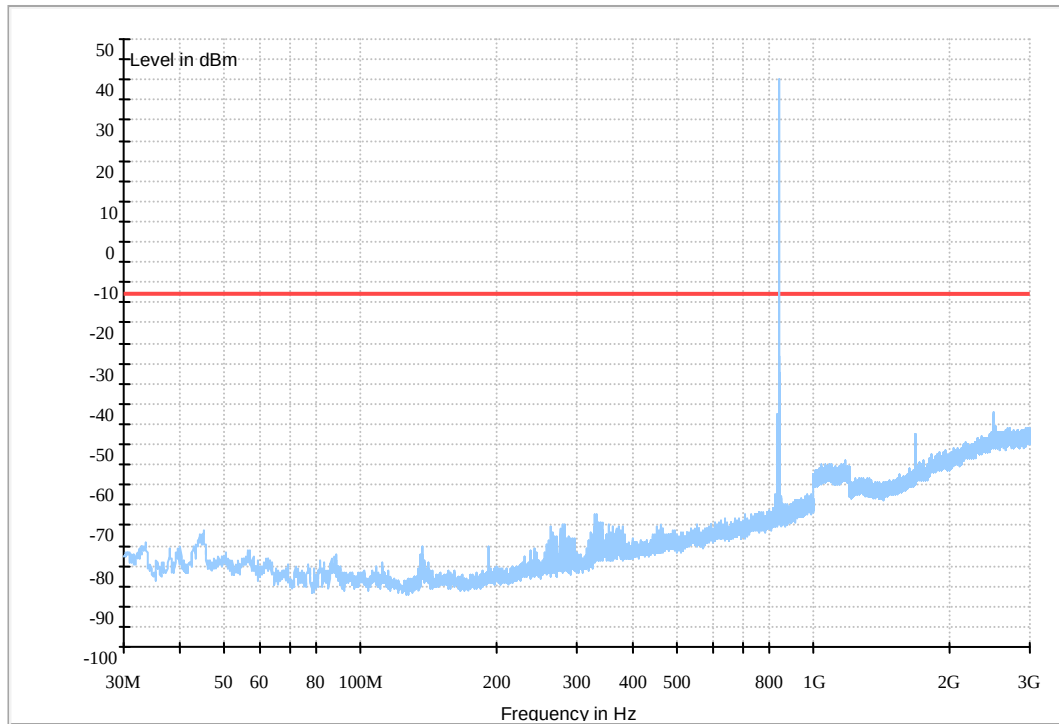


7.1.1.2 Test Mode = GSM/TM2

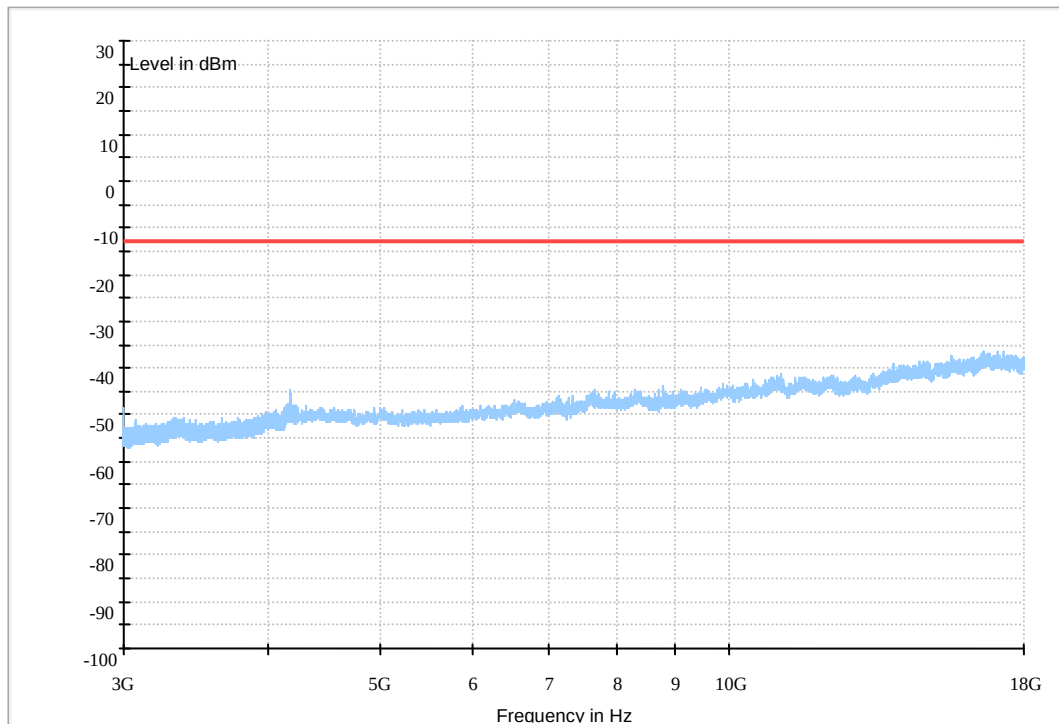
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



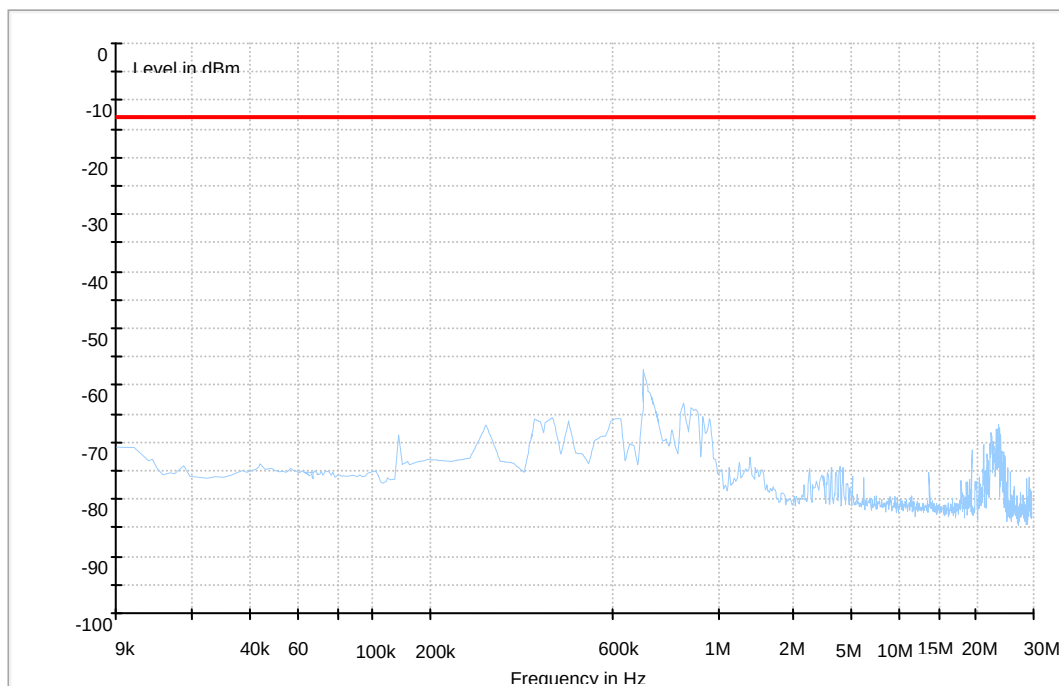
Traffic Mode (3GHz-18GHz)



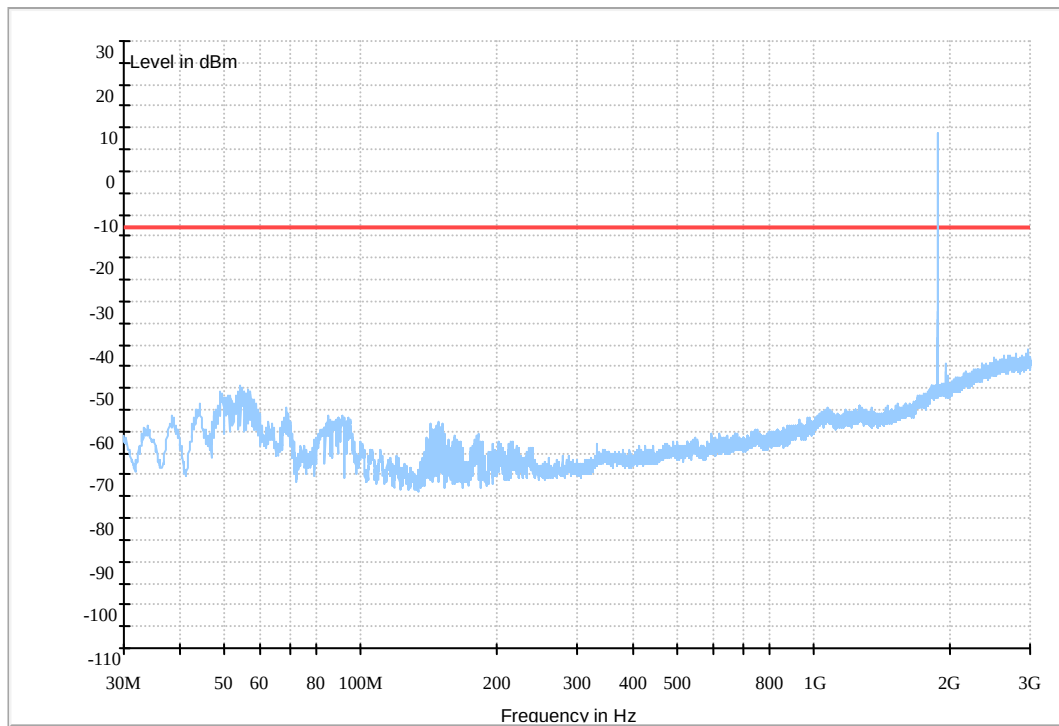
7.1.2 Test Band=GSM1900

7.1.2.1 Test Mode = GSM/TM1

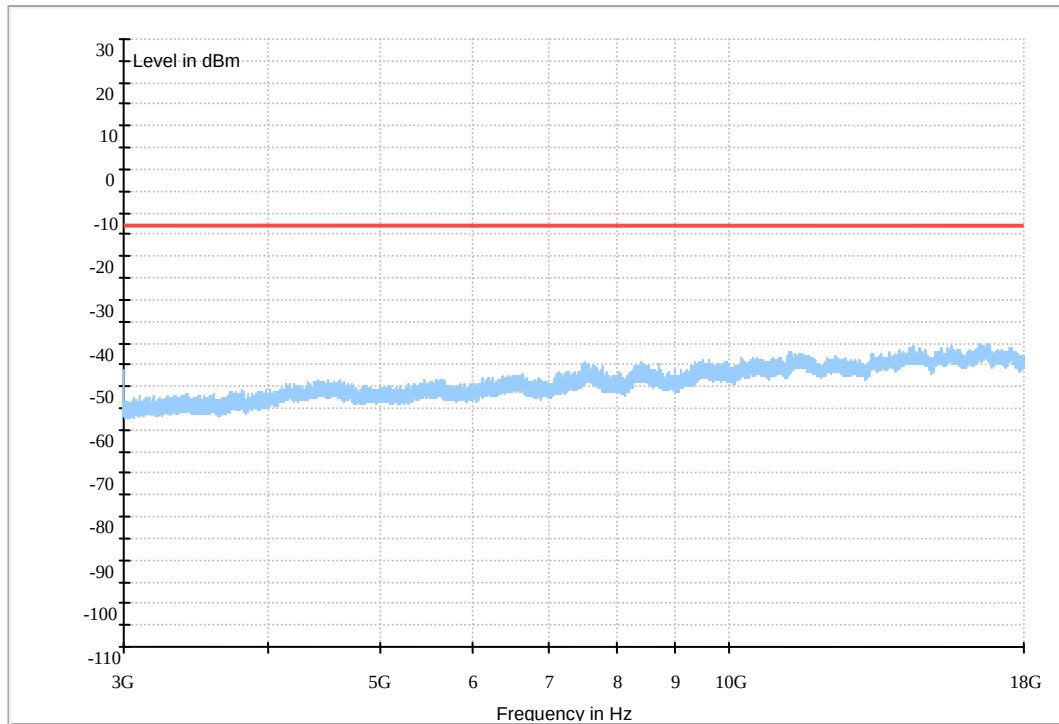
Traffic Mode (9kHz-30MHz)



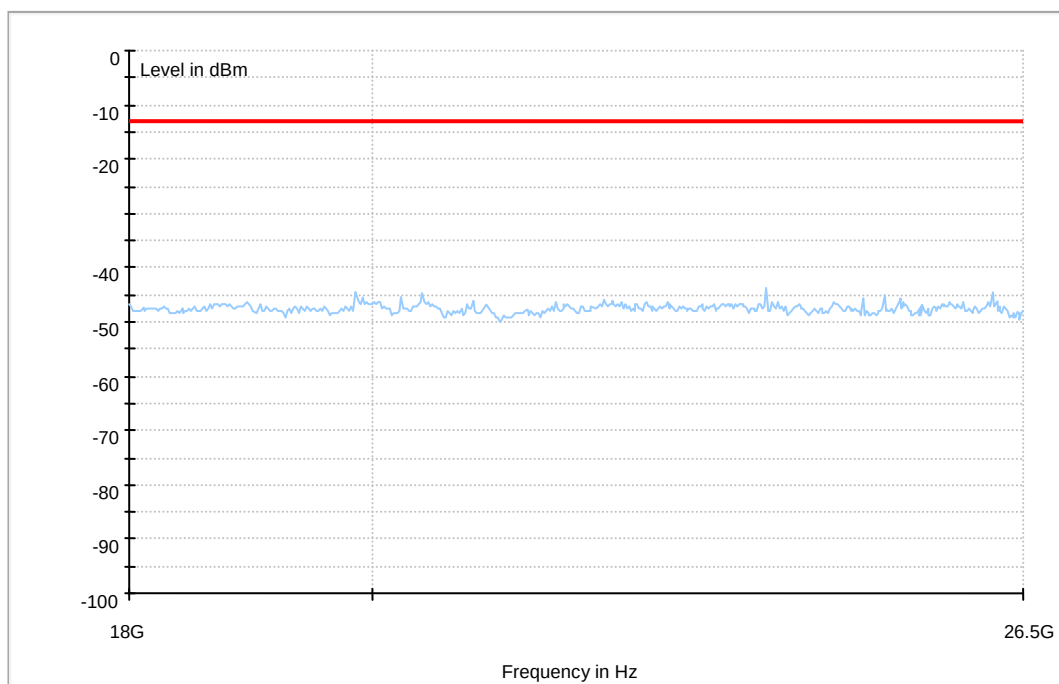
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

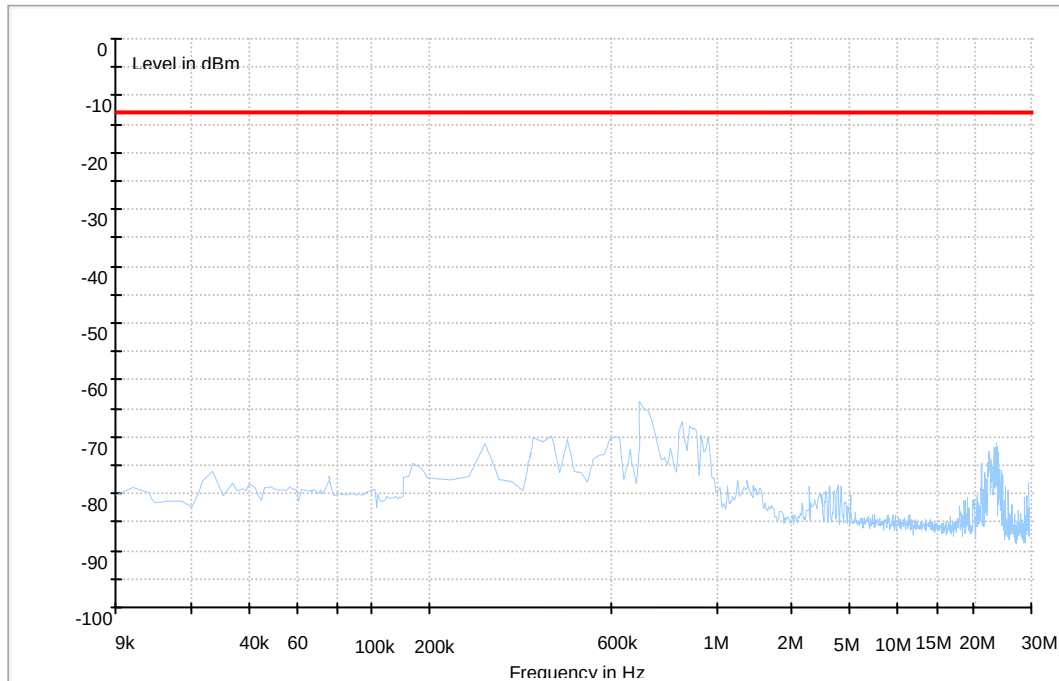


Traffic Mode (18GHz-26.5GHz)

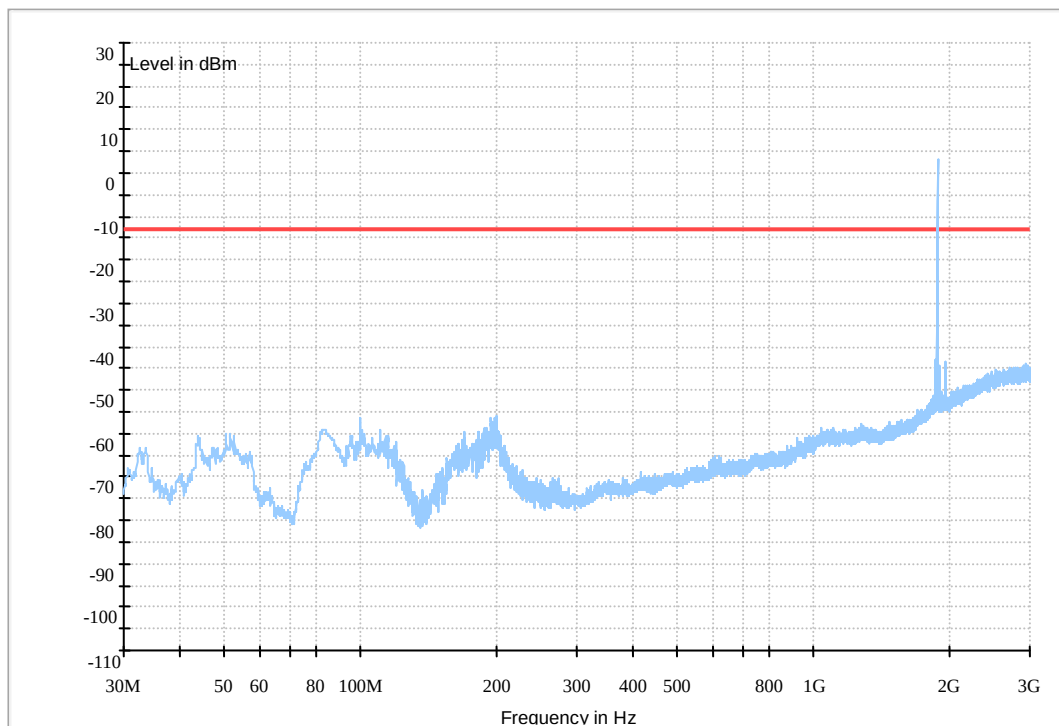


7.1.2.2 Test Mode = GSM/TM2

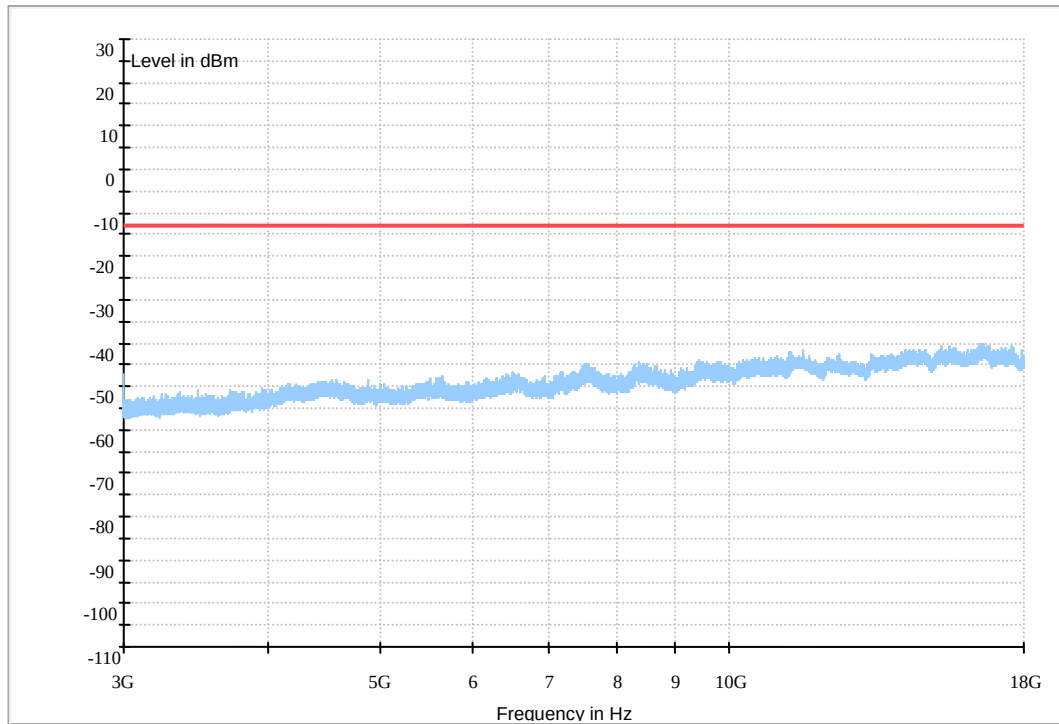
Traffic Mode (9kHz-30MHz)



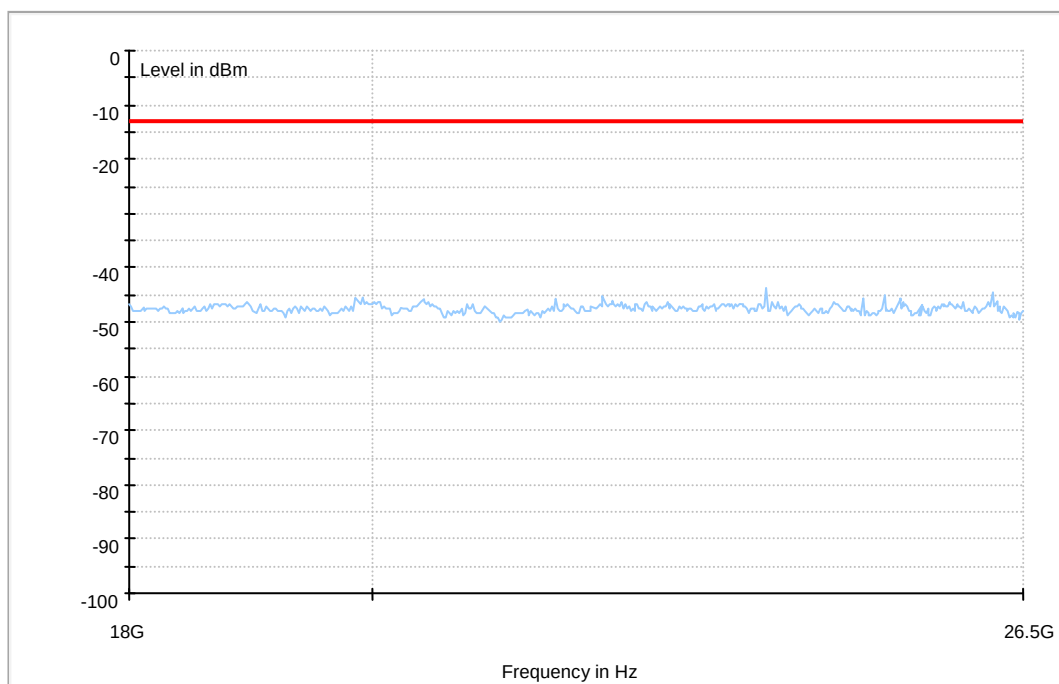
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)

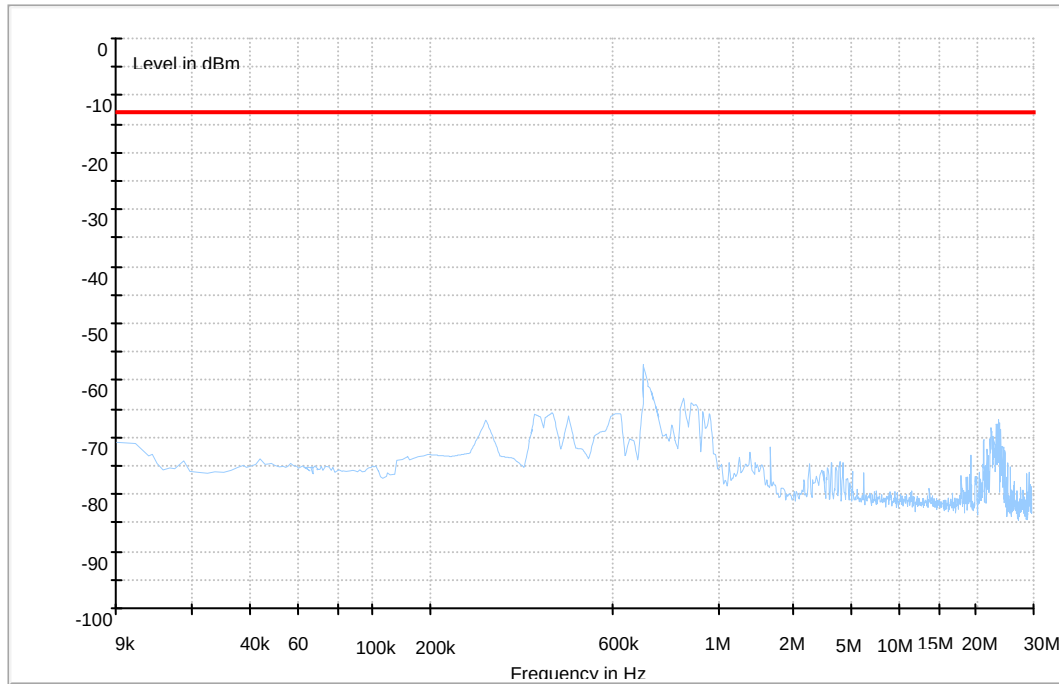


7.2 For UMTS

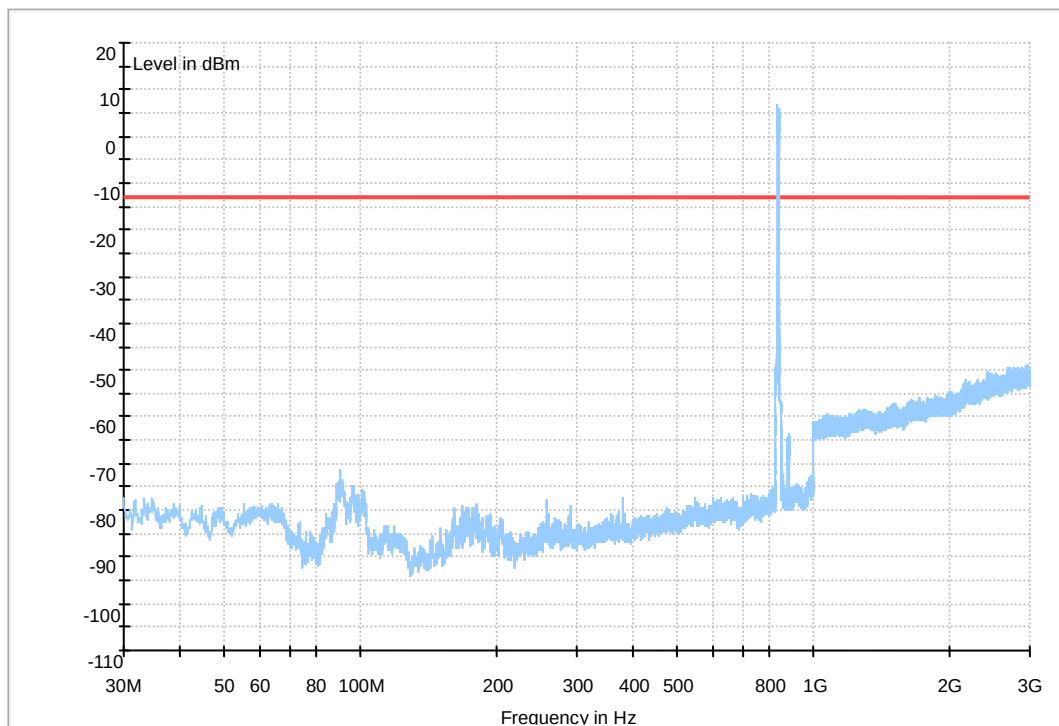
7.1.1 Test Band=WCDMA850

7.1.1.1 Test Mode = UMTS/TM1

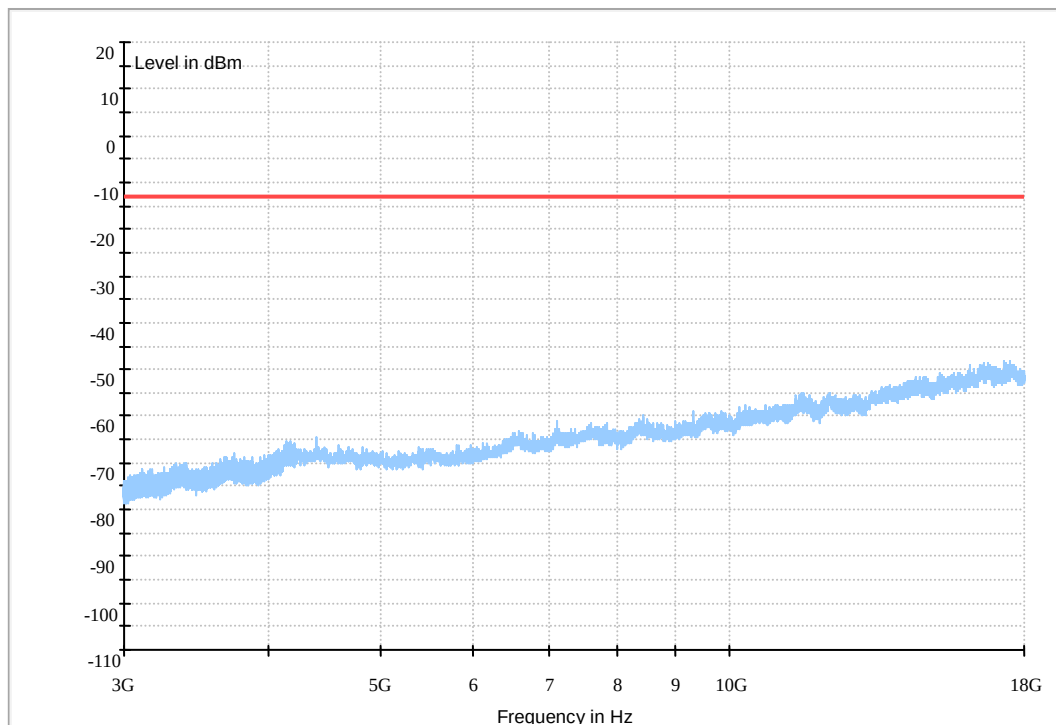
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



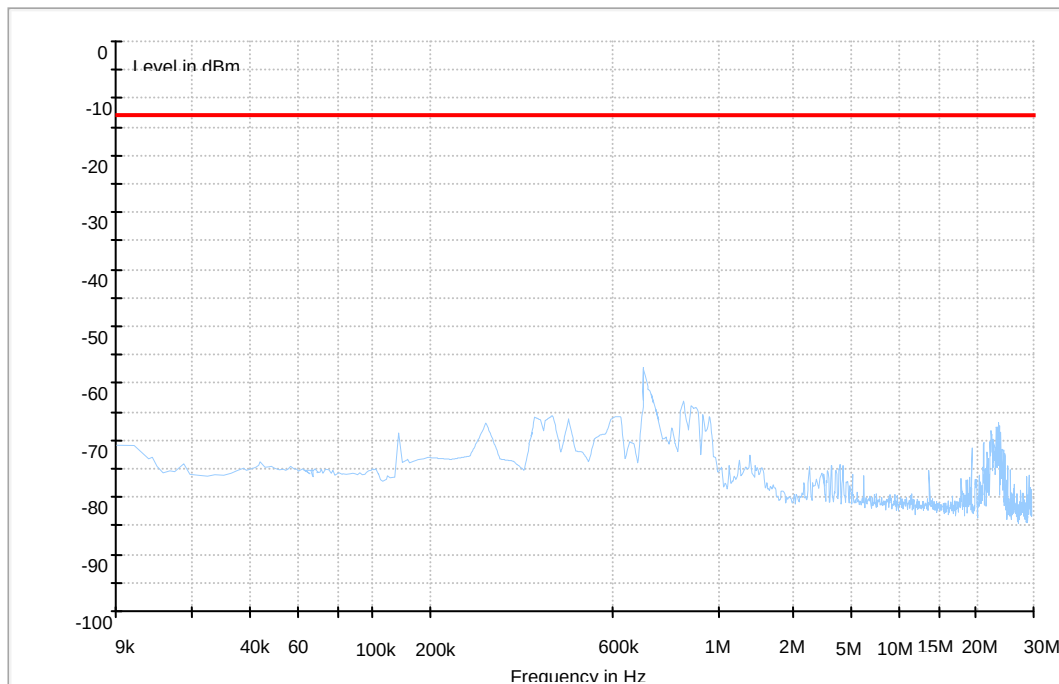
Traffic Mode (3GHz-18GHz)



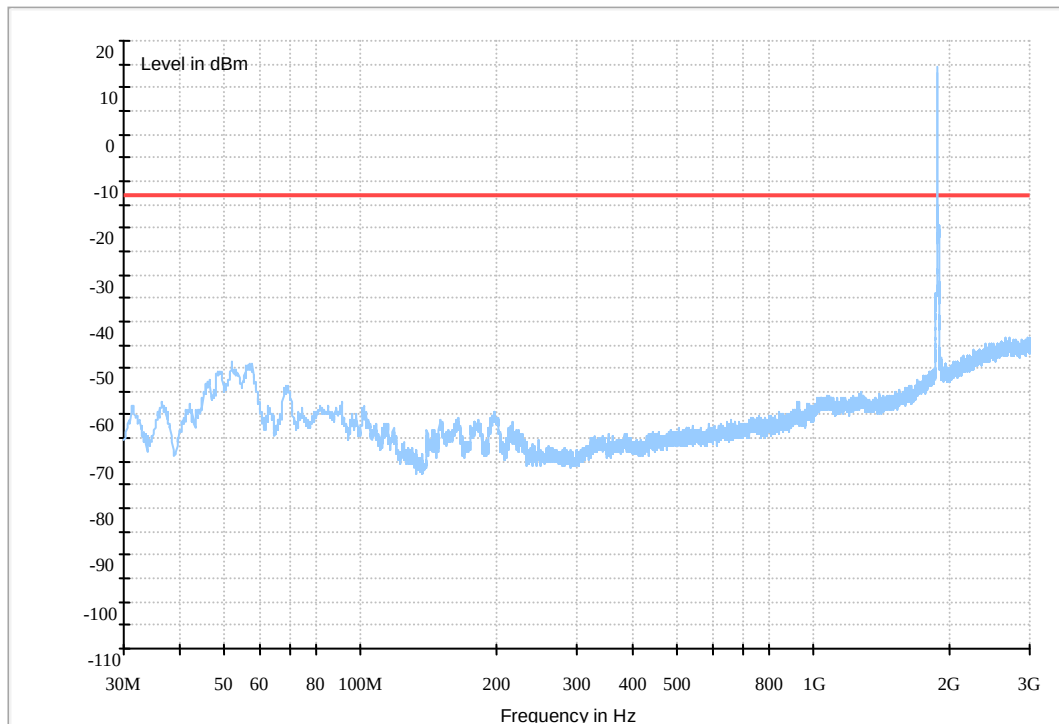
7.1.2 Test Band=WCDMA1900

7.1.2.1 Test Mode = UMTS/TM1

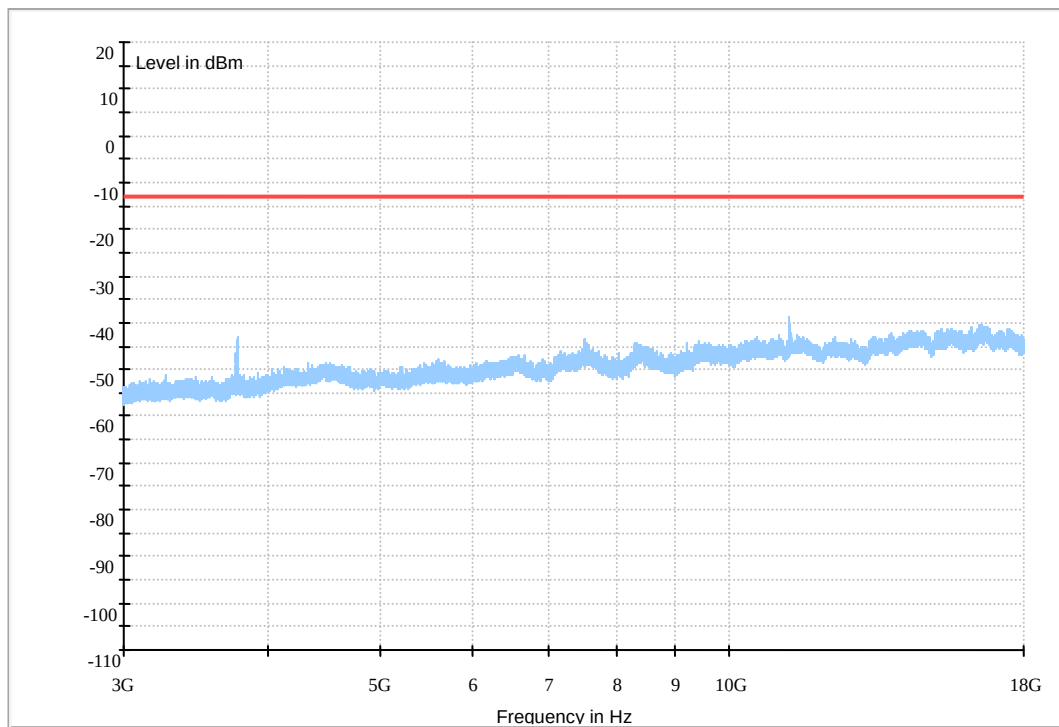
Traffic Mode (9kHz-30MHz)



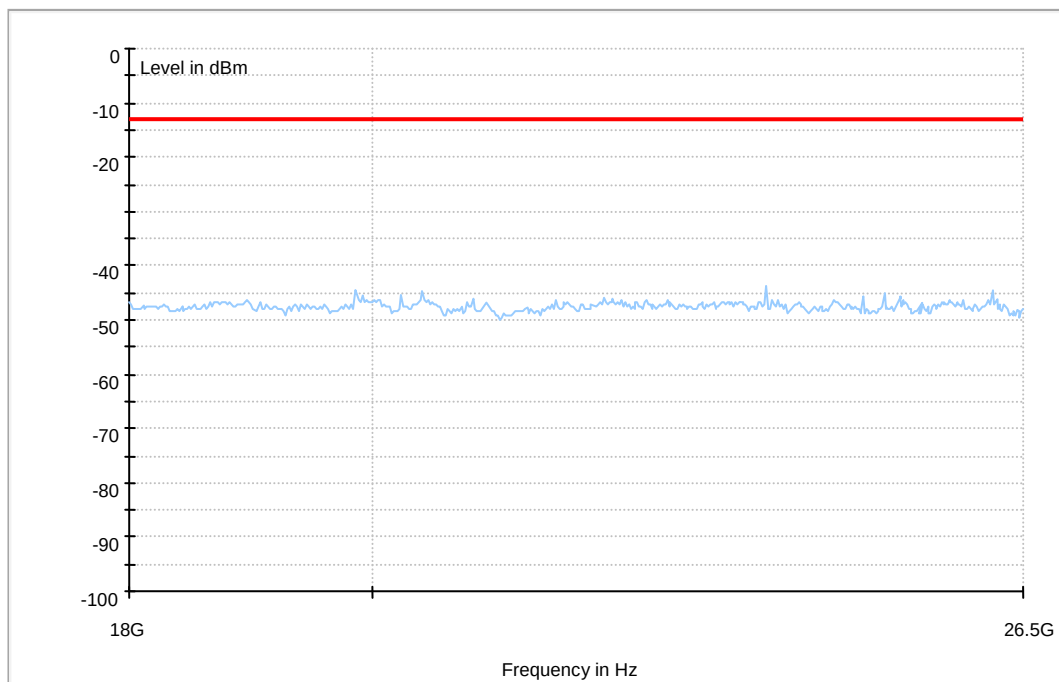
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)



8Appendix_H: Frequency Stability

8.1 For GSM

8.1.1Frequency 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	-24.47	-0.02969	±2.5	PASS
				VN	-21.44	-0.02601	±2.5	PASS
				VH	-22.02	-0.02672	±2.5	PASS
		MCH	TN	VL	-17.05	-0.02038	±2.5	PASS
				VN	-16.34	-0.01953	±2.5	PASS
				VH	-18.21	-0.02177	±2.5	PASS
		HCH	TN	VL	-19.24	-0.02267	±2.5	PASS
				VN	-18.73	-0.02207	±2.5	PASS
				VH	-20.15	-0.02374	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-12.85	-0.01559	±2.5	PASS
				VN	-13.56	-0.01645	±2.5	PASS
				VH	-9.81	-0.0119	±2.5	PASS
		MCH	TN	VL	-8.88	-0.01061	±2.5	PASS
				VN	-11.66	-0.01394	±2.5	PASS
				VH	-9.10	-0.01088	±2.5	PASS
		HCH	TN	VL	-8.36	-0.00985	±2.5	PASS
				VN	-7.59	-0.00894	±2.5	PASS
				VH	-8.85	-0.01043	±2.5	PASS
GSM1900	GSM/TM1	LCH	TN	VL	0.39	0.00021	±2.5	PASS
				VN	-20.86	-0.01127	±2.5	PASS
				VH	-15.05	-0.00813	±2.5	PASS
		MCH	TN	VL	-15.50	-0.00824	±2.5	PASS
				VN	-16.53	-0.00879	±2.5	PASS
				VH	-20.66	-0.01099	±2.5	PASS
		HCH	TN	VL	-11.11	-0.00582	±2.5	PASS
				VN	-2.07	-0.00108	±2.5	PASS
				VH	-13.62	-0.00713	±2.5	PASS
	GSM/TM2	LCH	TN	VL	10.75	0.00581	±2.5	PASS
				VN	15.82	0.00855	±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	VH	20.34	0.01099	±2.5	PASS
				VL	29.15	0.01551	±2.5	PASS
				VN	28.35	0.01508	±2.5	PASS
				VH	29.51	0.0157	±2.5	PASS
		HCH	TN	VL	30.41	0.01592	±2.5	PASS
				VN	40.13	0.02101	±2.5	PASS
				VH	35.77	0.01873	±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	-16.40	-0.0199	±2.5	PASS
				-20	-13.17	-0.01598	±2.5	PASS
				-10	-15.69	-0.01904	±2.5	PASS
				0	-14.98	-0.01818	±2.5	PASS
				10	-14.27	-0.01731	±2.5	PASS
				20	-14.40	-0.01747	±2.5	PASS
				30	-15.69	-0.01904	±2.5	PASS
				40	-16.59	-0.02013	±2.5	PASS
				50	-10.85	-0.01316	±2.5	PASS
		MCH	VN	-30	-13.30	-0.0159	±2.5	PASS
				-20	-14.40	-0.01721	±2.5	PASS
				-10	-15.11	-0.01806	±2.5	PASS
				0	-14.98	-0.01791	±2.5	PASS
				10	-14.08	-0.01683	±2.5	PASS
				20	-14.46	-0.01728	±2.5	PASS
				30	-18.66	-0.0223	±2.5	PASS
				40	-16.92	-0.02022	±2.5	PASS
				50	-16.08	-0.01922	±2.5	PASS
		HCH	VN	-30	-13.17	-0.01552	±2.5	PASS
				-20	-16.66	-0.01963	±2.5	PASS
				-10	-17.89	-0.02108	±2.5	PASS
				0	-18.02	-0.02123	±2.5	PASS
				10	-17.63	-0.02077	±2.5	PASS
				20	-18.27	-0.02152	±2.5	PASS
				30	-16.66	-0.01963	±2.5	PASS
				40	-18.53	-0.02183	±2.5	PASS
				50	-17.05	-0.02009	±2.5	PASS
	GSM/TM2	LCH	VN	-30	-0.68	-0.00083	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				-20	1.71	0.00207	±2.5	PASS
				-10	0.81	0.00098	±2.5	PASS
				0	2.42	0.00294	±2.5	PASS
				10	4.75	0.00576	±2.5	PASS
				20	0.32	0.00039	±2.5	PASS
				30	3.65	0.00443	±2.5	PASS
				40	2.55	0.00309	±2.5	PASS
				50	4.42	0.00536	±2.5	PASS
		MCH	VN	-30	5.97	0.00714	±2.5	PASS
				-20	6.91	0.00826	±2.5	PASS
				-10	7.20	0.00861	±2.5	PASS
				0	4.07	0.00486	±2.5	PASS
				10	6.33	0.00757	±2.5	PASS
				20	3.87	0.00463	±2.5	PASS
				30	4.62	0.00552	±2.5	PASS
				40	6.20	0.00741	±2.5	PASS
				50	4.81	0.00575	±2.5	PASS
		HCH	VN	-30	6.78	0.00799	±2.5	PASS
				-20	3.58	0.00422	±2.5	PASS
				-10	4.23	0.00498	±2.5	PASS
				0	0.26	0.00031	±2.5	PASS
				10	4.20	0.00495	±2.5	PASS
				20	0.61	0.00072	±2.5	PASS
				30	0.68	0.0008	±2.5	PASS
				40	5.23	0.00616	±2.5	PASS
				50	1.65	0.00194	±2.5	PASS
GSM1900	GSM/TM1	LCH	VN	-30	-3.87	-0.00209	±2.5	PASS
				-20	-5.23	-0.00283	±2.5	PASS
				-10	2.97	0.00161	±2.5	PASS
				0	0.65	0.00035	±2.5	PASS
				10	-3.68	-0.00199	±2.5	PASS
				20	-0.32	-0.00017	±2.5	PASS
				30	-3.10	-0.00168	±2.5	PASS
				40	-4.33	-0.00234	±2.5	PASS
				50	-10.40	-0.00562	±2.5	PASS
		MCH	VN	-30	-12.85	-0.00684	±2.5	PASS
				-20	-7.04	-0.00374	±2.5	PASS
				-10	-16.79	-0.00893	±2.5	PASS
				0	-27.83	-0.0148	±2.5	PASS
				10	-21.57	-0.01147	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				20	-18.92	-0.01006	±2.5	PASS
				30	-20.34	-0.01082	±2.5	PASS
				40	-25.31	-0.01346	±2.5	PASS
				50	-21.05	-0.0112	±2.5	PASS
		HCH	VN	-30	-17.05	-0.00893	±2.5	PASS
				-20	-19.37	-0.01014	±2.5	PASS
				-10	-12.53	-0.00656	±2.5	PASS
				0	-16.98	-0.00889	±2.5	PASS
				10	-12.79	-0.0067	±2.5	PASS
				20	-21.18	-0.01109	±2.5	PASS
				30	-18.40	-0.00963	±2.5	PASS
				40	-19.31	-0.01011	±2.5	PASS
				50	-13.62	-0.00713	±2.5	PASS
	GSM/TM2	LCH	VN	-30	35.13	0.01899	±2.5	PASS
				-20	39.42	0.02131	±2.5	PASS
				-10	39.68	0.02145	±2.5	PASS
				0	45.33	0.0245	±2.5	PASS
				10	35.35	0.01911	±2.5	PASS
				20	39.74	0.02148	±2.5	PASS
				30	38.26	0.02068	±2.5	PASS
				40	37.29	0.02015	±2.5	PASS
				50	36.55	0.01975	±2.5	PASS
		MCH	VN	-30	34.77	0.01849	±2.5	PASS
				-20	27.12	0.01443	±2.5	PASS
				-10	39.03	0.02076	±2.5	PASS
				0	36.90	0.01963	±2.5	PASS
				10	40.49	0.02154	±2.5	PASS
				20	39.74	0.02114	±2.5	PASS
				30	41.71	0.02219	±2.5	PASS
				40	37.39	0.01989	±2.5	PASS
				50	39.61	0.02107	±2.5	PASS
		HCH	VN	-30	37.45	0.01961	±2.5	PASS
				-20	38.26	0.02003	±2.5	PASS
				-10	31.90	0.0167	±2.5	PASS
				0	35.32	0.01849	±2.5	PASS
				10	39.39	0.02063	±2.5	PASS
				20	35.93	0.01881	±2.5	PASS
				30	30.51	0.01598	±2.5	PASS
				40	33.67	0.01763	±2.5	PASS
				50	32.80	0.01717	±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	-3.43	-0.00415	±2.5	PASS
				VN	-2.81	-0.0034	±2.5	PASS
				VH	-1.88	-0.00227	±2.5	PASS
		MCH	TN	VL	6.67	0.00797	±2.5	PASS
				VN	-5.25	-0.00628	±2.5	PASS
				VH	-8.36	-0.01	±2.5	PASS
		HCH	TN	VL	-1.98	-0.00234	±2.5	PASS
				VN	-4.38	-0.00517	±2.5	PASS
				VH	0.70	0.00083	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-4.91	-0.00265	±2.5	PASS
				VN	-4.03	-0.00218	±2.5	PASS
				VH	-3.88	-0.00209	±2.5	PASS
		MCH	TN	VL	1.02	0.00054	±2.5	PASS
				VN	12.18	0.00648	±2.5	PASS
				VH	7.75	0.00412	±2.5	PASS
		HCH	TN	VL	-10.38	-0.00544	±2.5	PASS
				VN	6.64	0.00348	±2.5	PASS
				VH	17.93	0.0094	±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	-0.14	-0.00017	±2.5	PASS
				-20	0.17	0.00021	±2.5	PASS
				-10	-2.73	-0.0033	±2.5	PASS
				0	-2.82	-0.00341	±2.5	PASS
				10	-3.05	-0.00369	±2.5	PASS
				20	6.03	0.00729	±2.5	PASS
				30	0.40	0.00048	±2.5	PASS
				40	4.38	0.0053	±2.5	PASS
				50	-1.71	-0.00207	±2.5	PASS
		MCH	VN	-30	-3.98	-0.00476	±2.5	PASS
				-20	3.17	0.00379	±2.5	PASS
				-10	3.39	0.00405	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				0	4.24	0.00507	±2.5	PASS
				10	6.73	0.00805	±2.5	PASS
				20	2.47	0.00295	±2.5	PASS
				30	-10.01	-0.01197	±2.5	PASS
				40	-1.95	-0.00233	±2.5	PASS
				50	-5.60	-0.0067	±2.5	PASS
		HCH	VN	-30	-10.25	-0.01211	±2.5	PASS
				-20	-3.54	-0.00418	±2.5	PASS
				-10	-3.33	-0.00393	±2.5	PASS
				0	-4.75	-0.00561	±2.5	PASS
				10	-2.37	-0.0028	±2.5	PASS
				20	3.23	0.00382	±2.5	PASS
				30	-7.61	-0.00899	±2.5	PASS
				40	5.14	0.00607	±2.5	PASS
				50	-7.20	-0.00851	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-16.28	-0.00879	±2.5	PASS
				-20	10.13	0.00547	±2.5	PASS
				-10	13.14	0.00709	±2.5	PASS
				0	4.88	0.00263	±2.5	PASS
				10	22.45	0.01212	±2.5	PASS
				20	1.82	0.00098	±2.5	PASS
				30	0.24	0.00013	±2.5	PASS
				40	5.54	0.00299	±2.5	PASS
				50	13.00	0.00702	±2.5	PASS
		MCH	VN	-30	-2.33	-0.00124	±2.5	PASS
				-20	4.78	0.00254	±2.5	PASS
				-10	5.80	0.00309	±2.5	PASS
				0	4.70	0.0025	±2.5	PASS
				10	17.43	0.00927	±2.5	PASS
				20	2.06	0.0011	±2.5	PASS
				30	7.11	0.00378	±2.5	PASS
				40	-9.95	-0.00529	±2.5	PASS
				50	9.29	0.00494	±2.5	PASS
		HCH	VN	-30	11.09	0.00581	±2.5	PASS
				-20	-28.90	-0.01515	±2.5	PASS
				-10	6.07	0.00318	±2.5	PASS
				0	-8.99	-0.00471	±2.5	PASS
				10	-4.58	-0.0024	±2.5	PASS
				20	-0.58	-0.0003	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				30	-15.91	-0.00834	±2.5	PASS
				40	3.54	0.00186	±2.5	PASS
				50	-6.44	-0.00338	±2.5	PASS

END