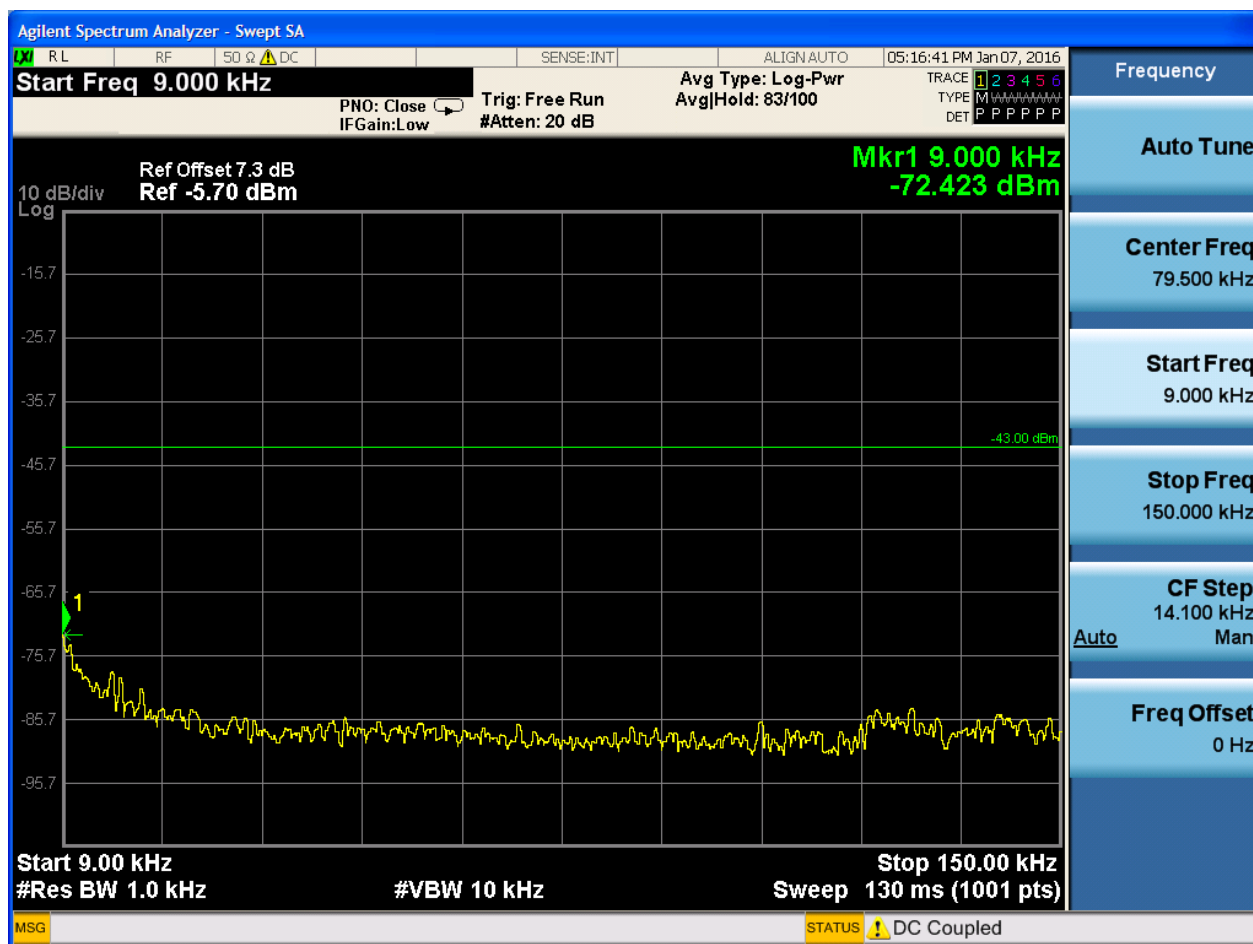
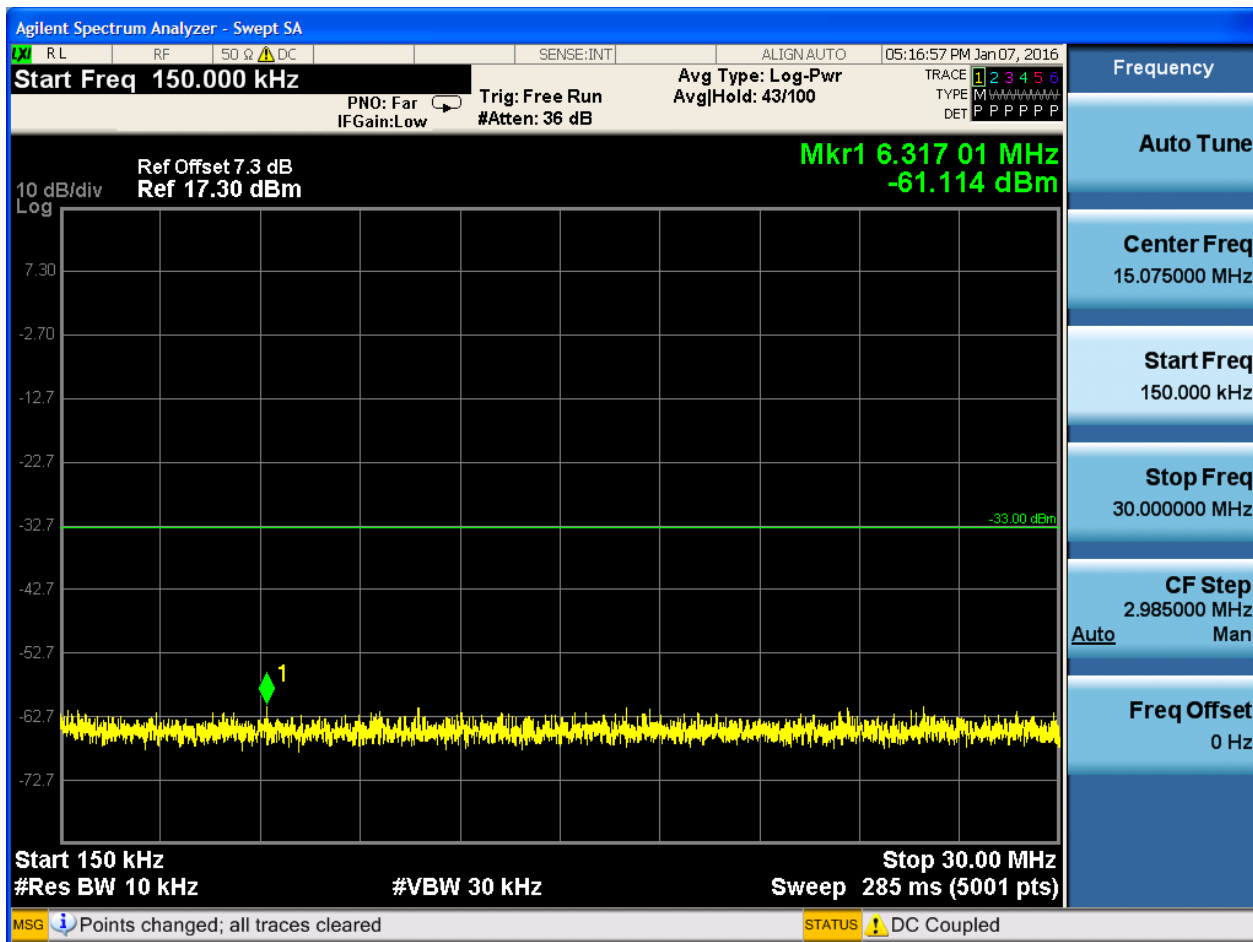
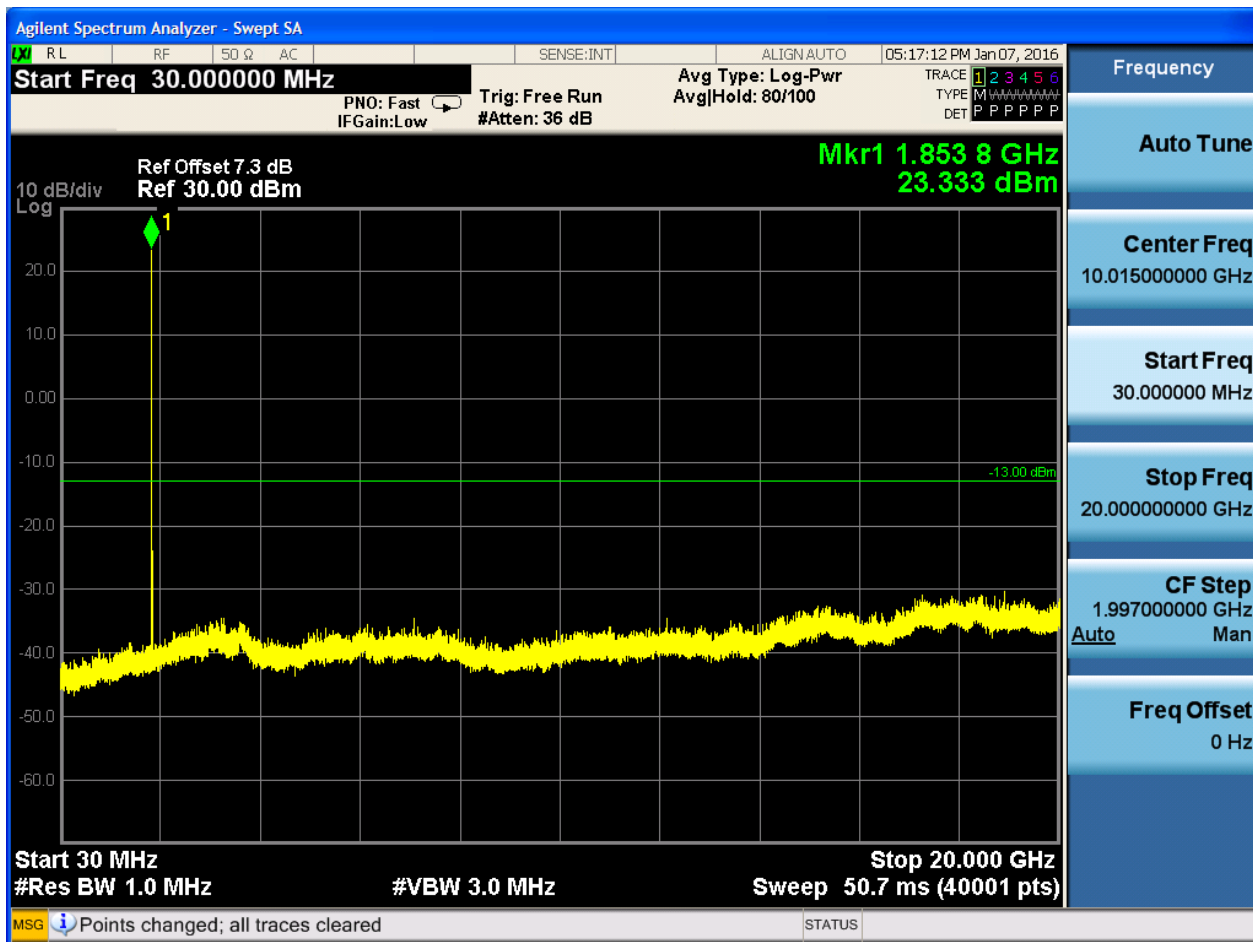




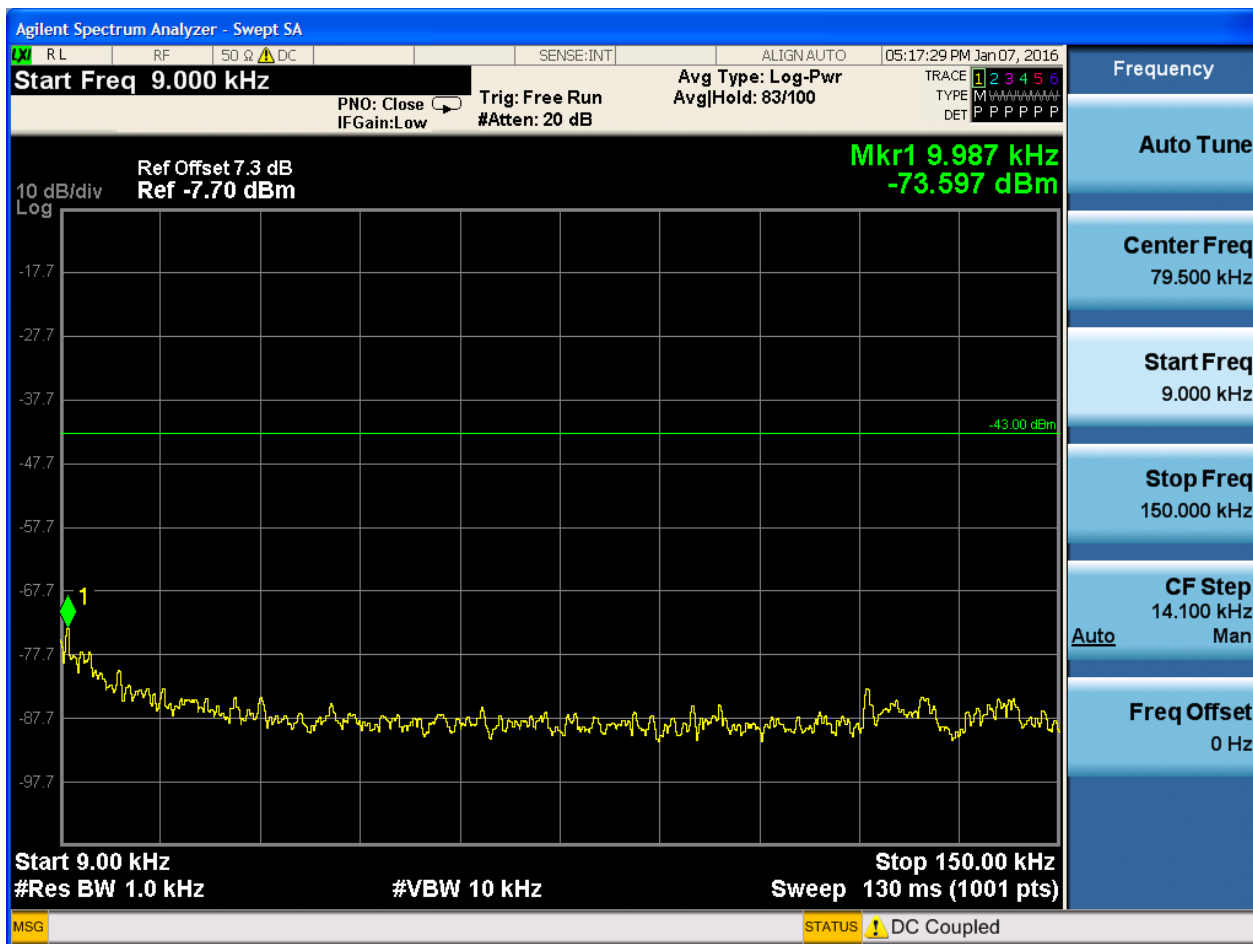
6.2.2.1.1 Test Channel = LCH

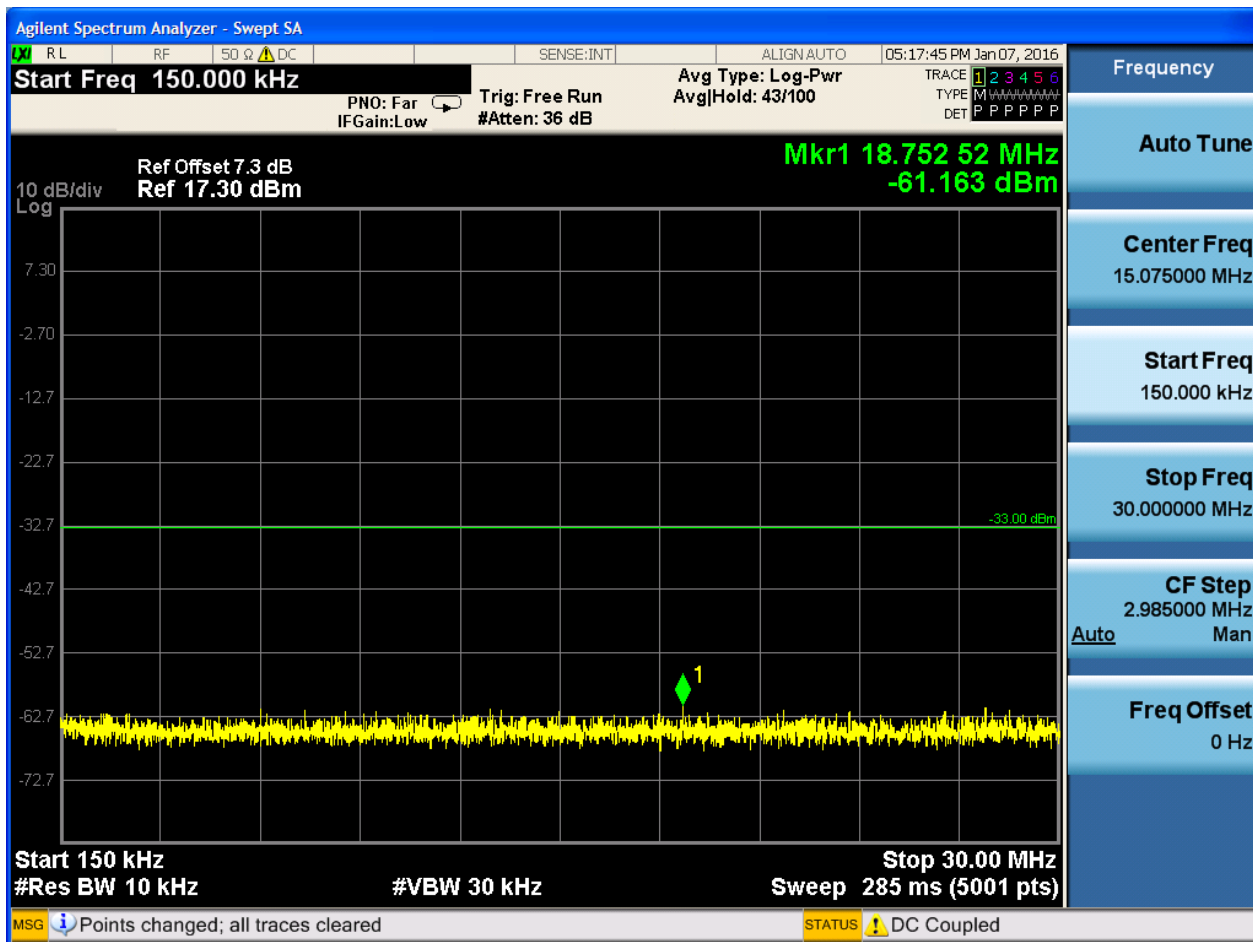


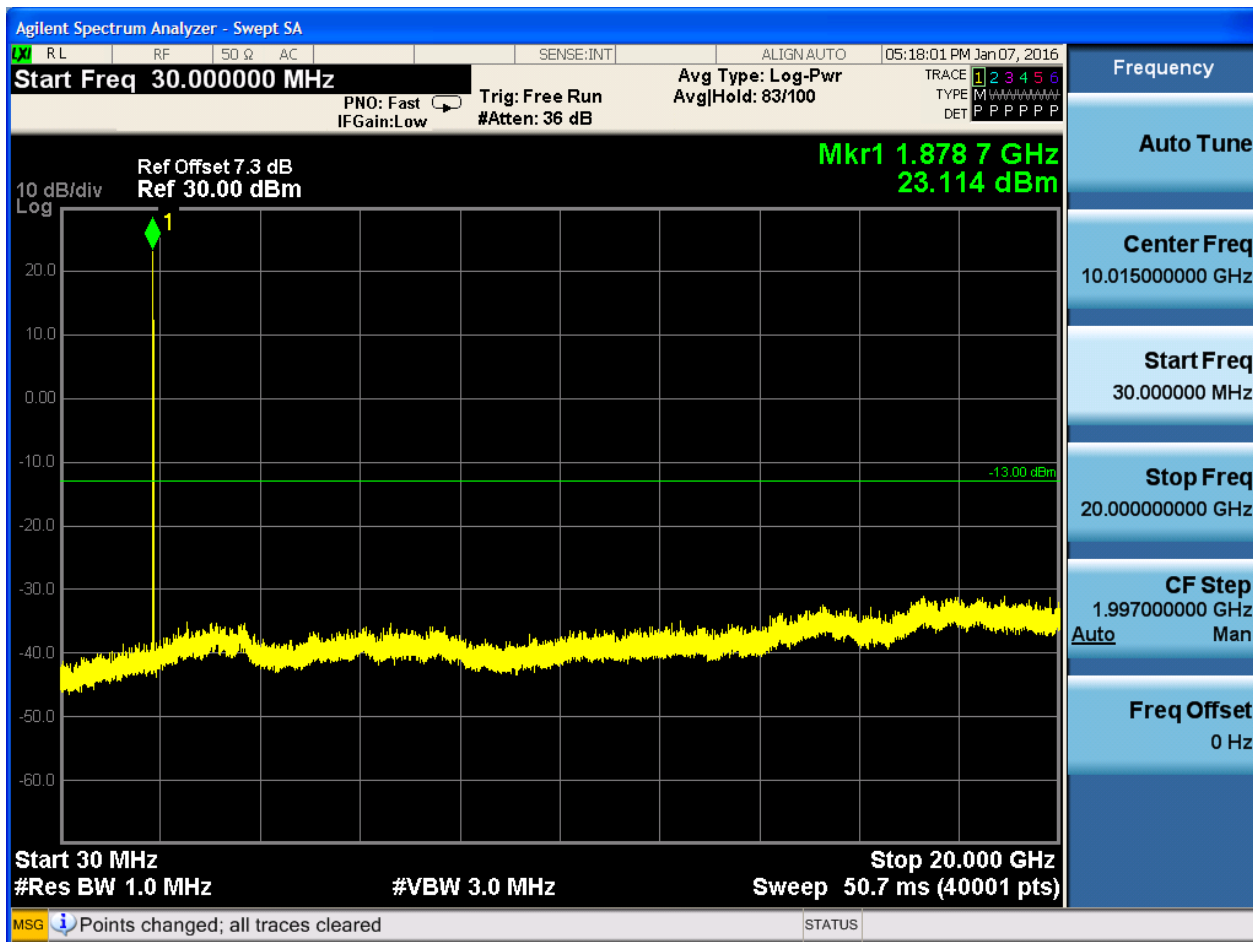




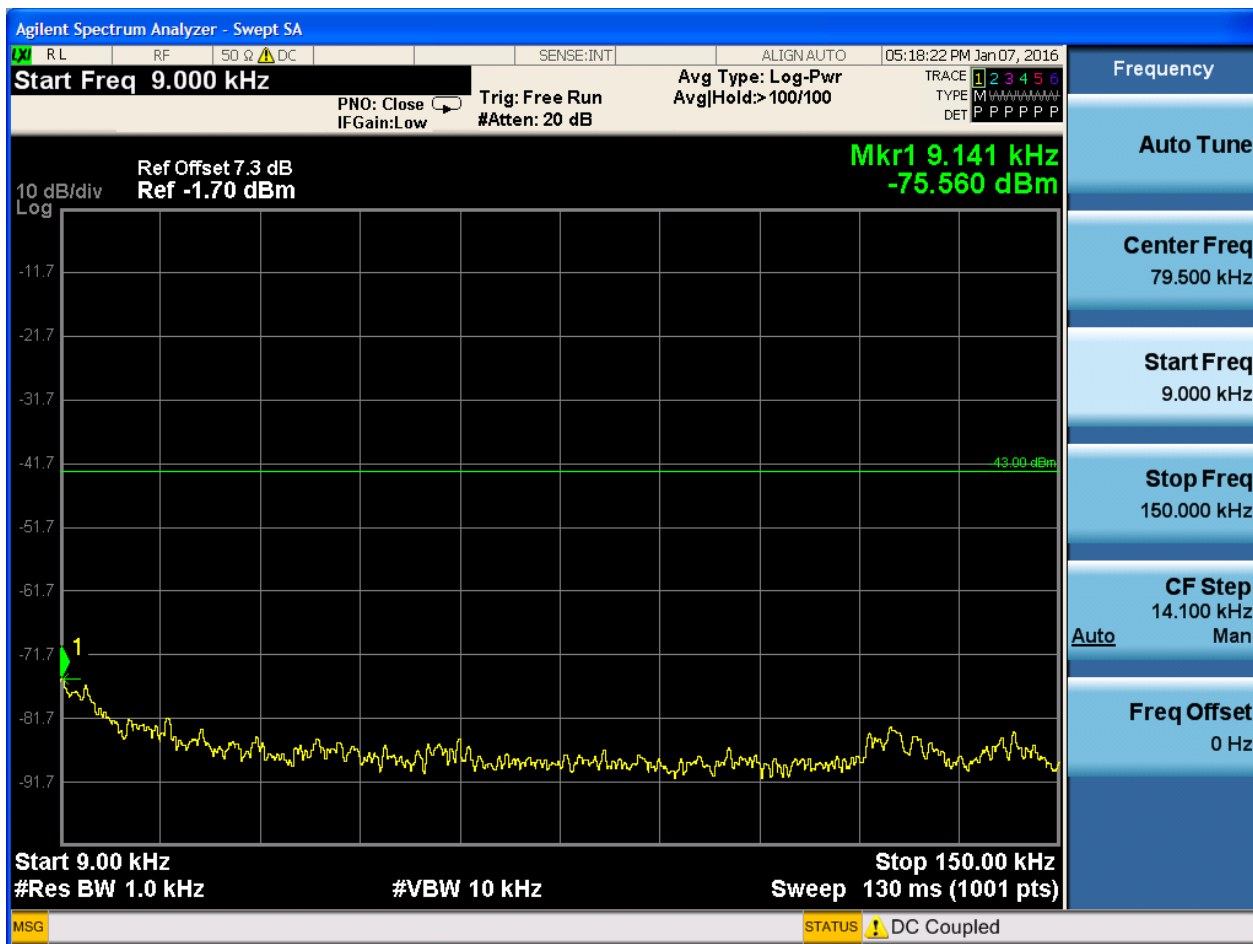
6.2.2.1.2 Test Channel = MCH

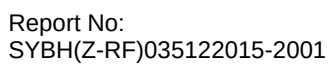


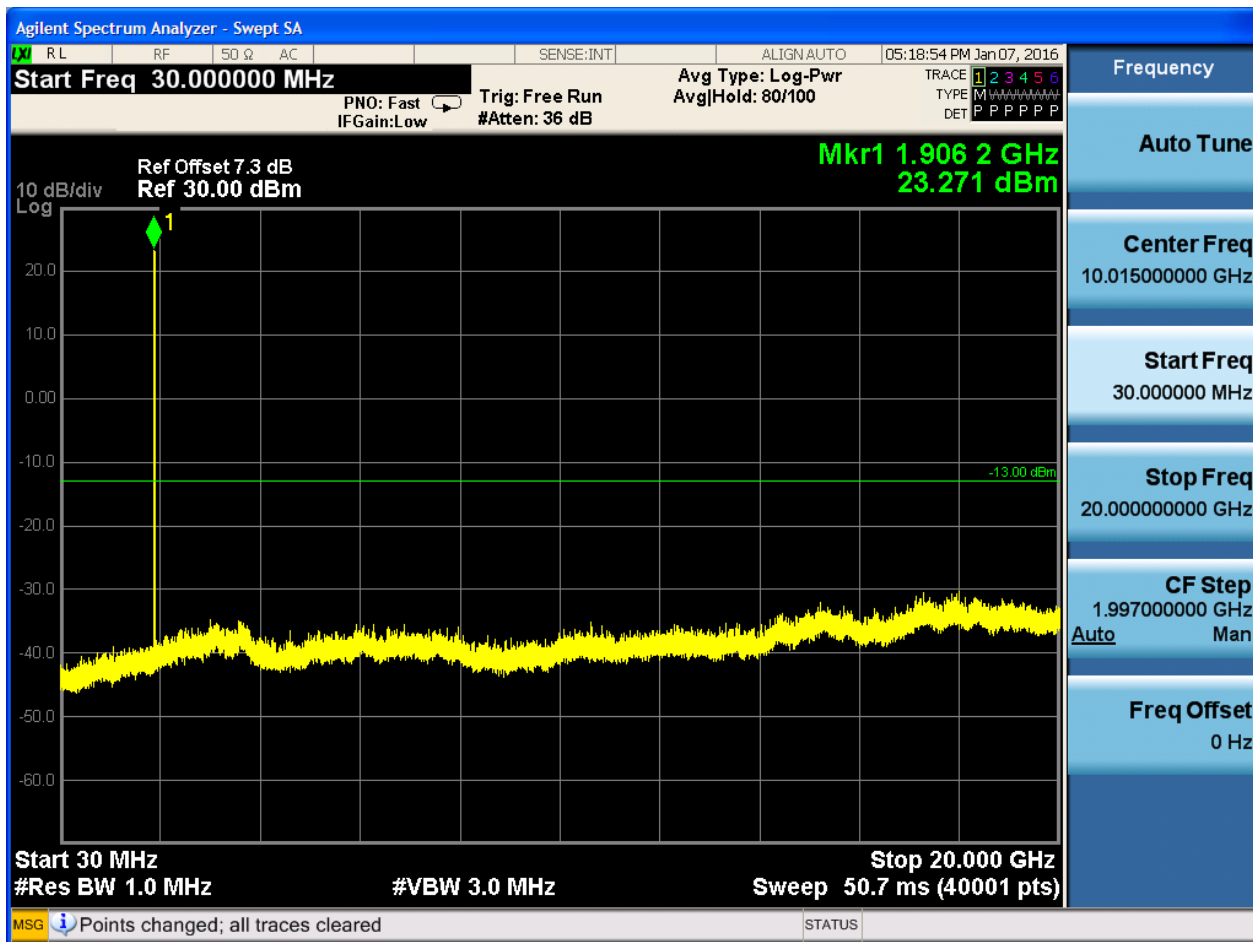




6.2.2.1.3 Test Channel = HCH





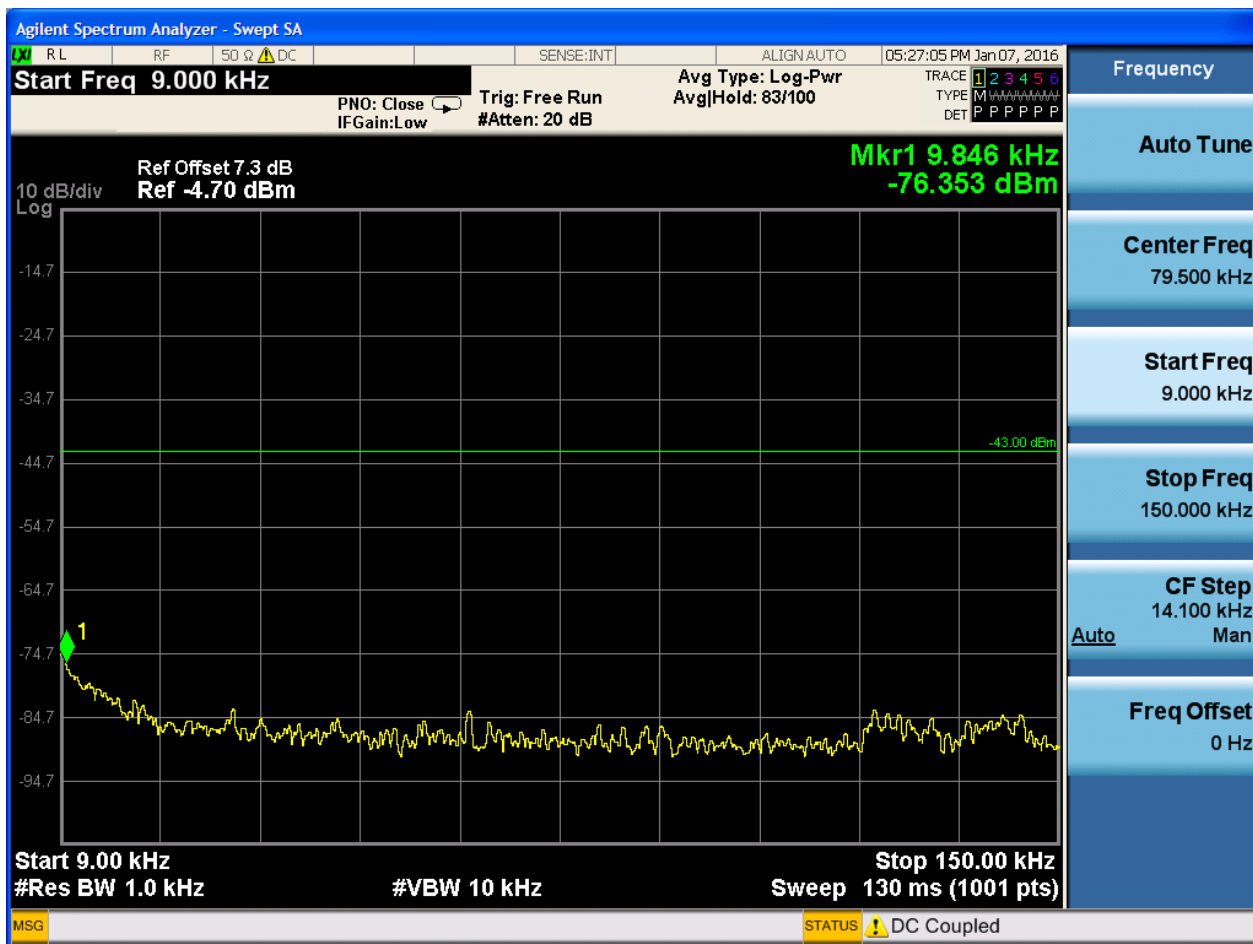


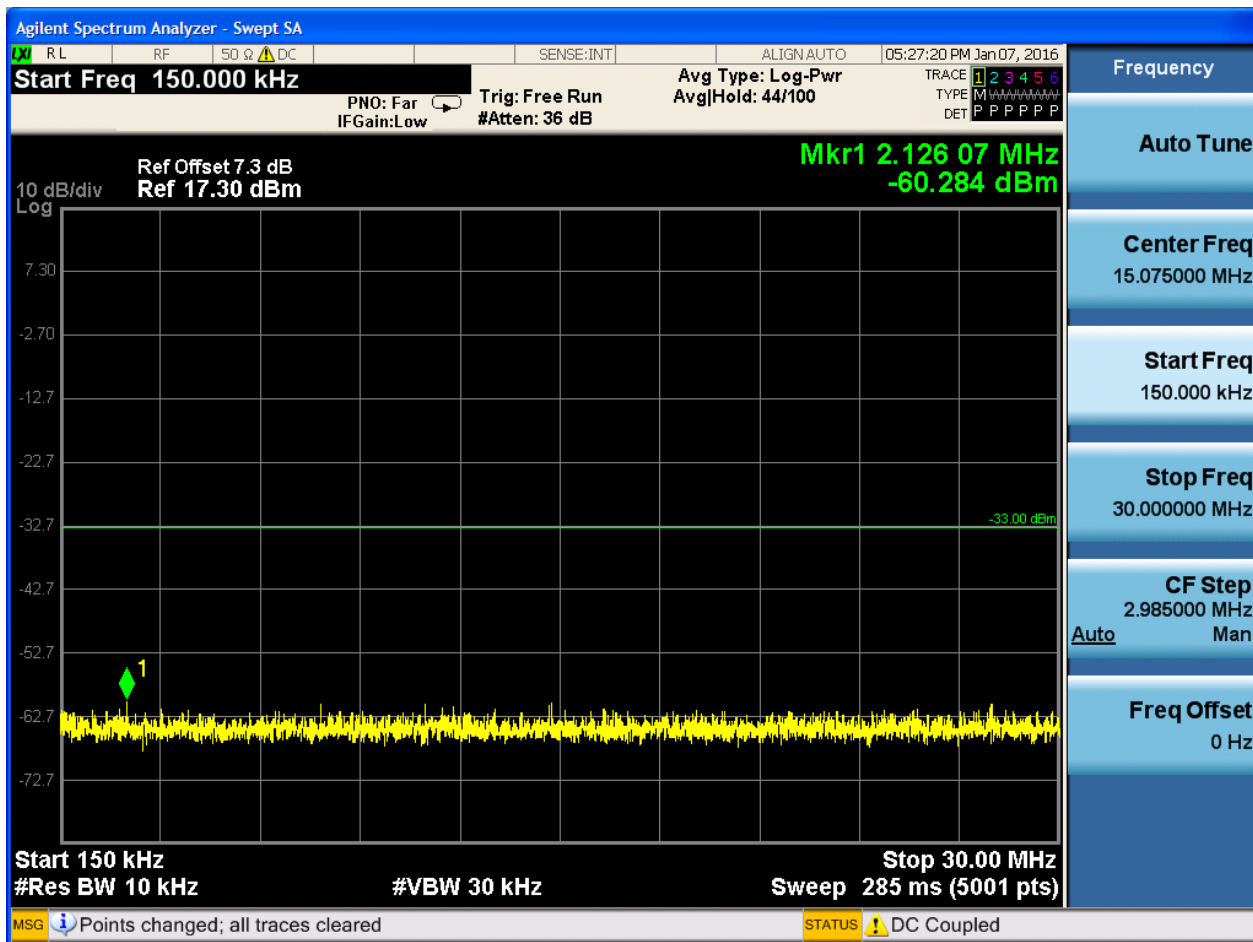


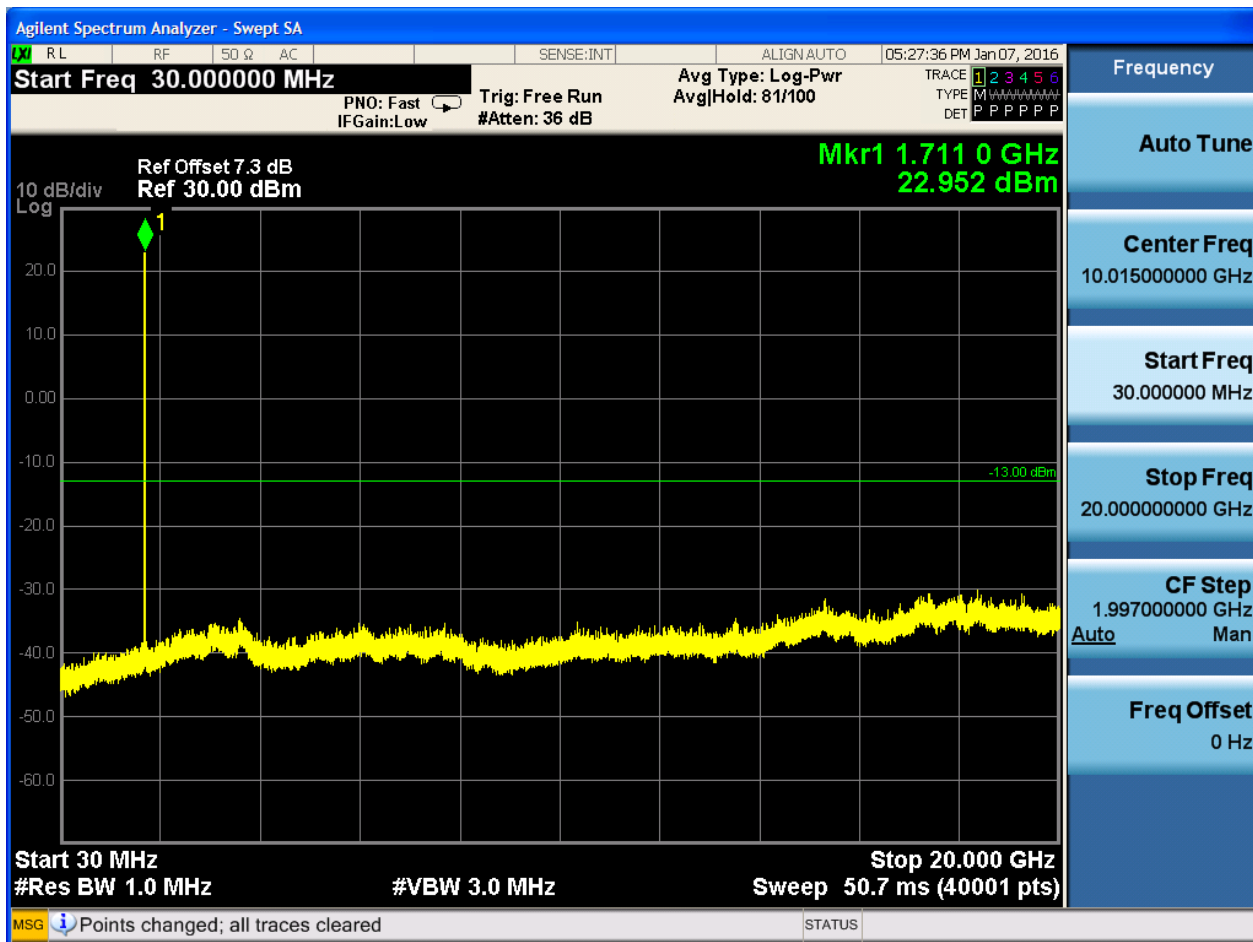
6.2.3 Test Band = WCDMA1700

6.2.3.1 Test Mode = UMTS/TM1

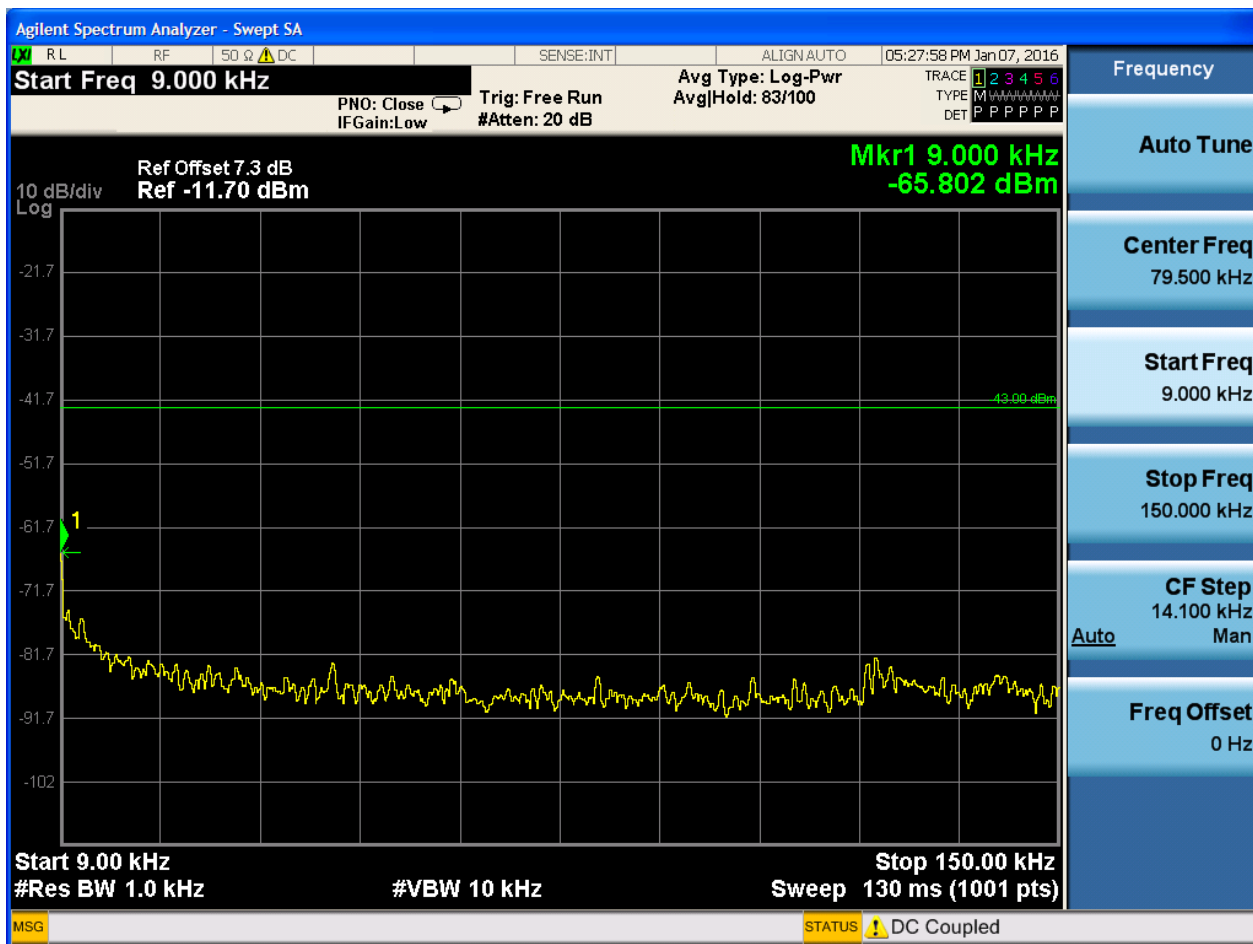
6.2.3.1.1 Test Channel = LCH

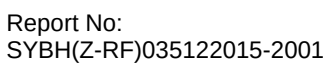


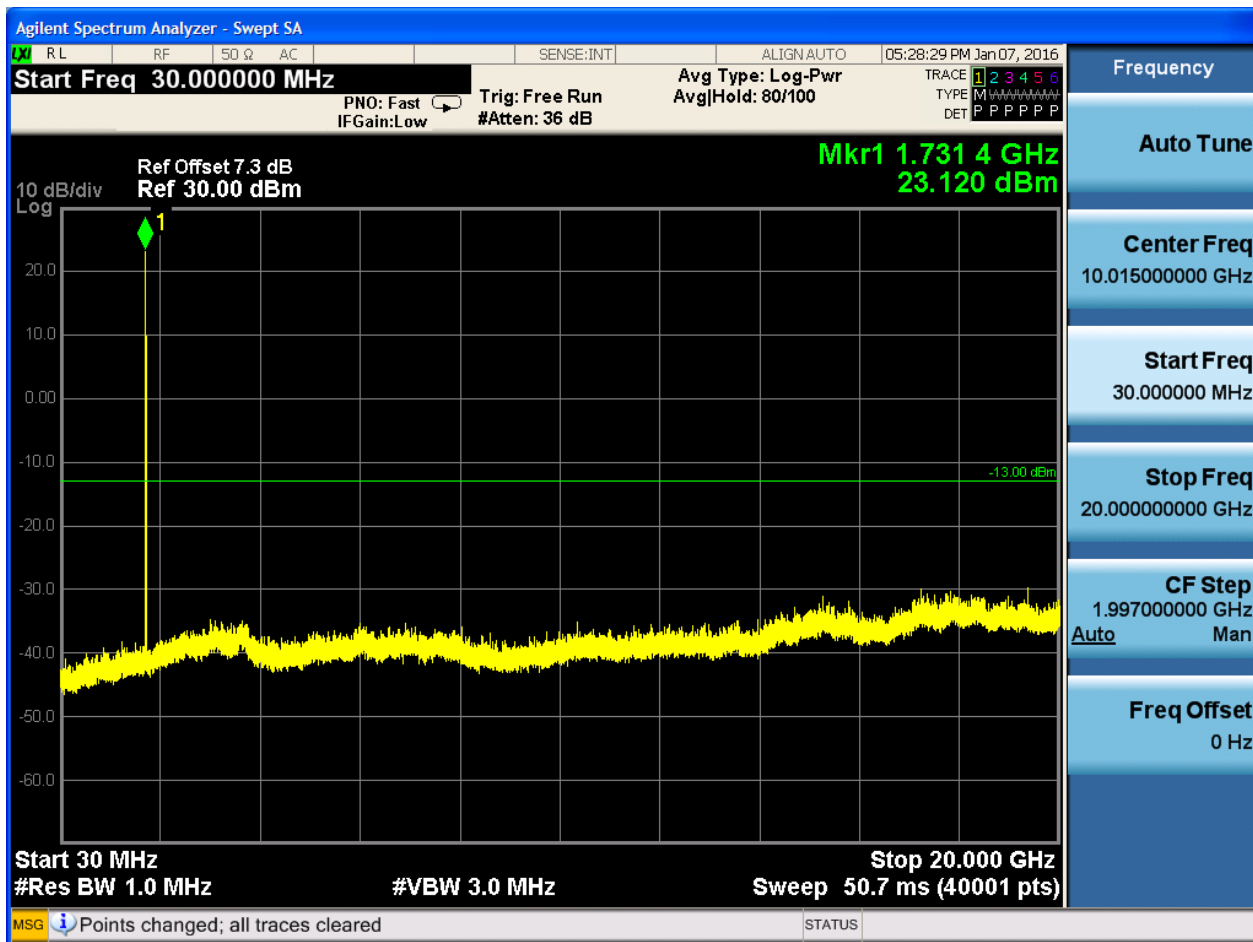




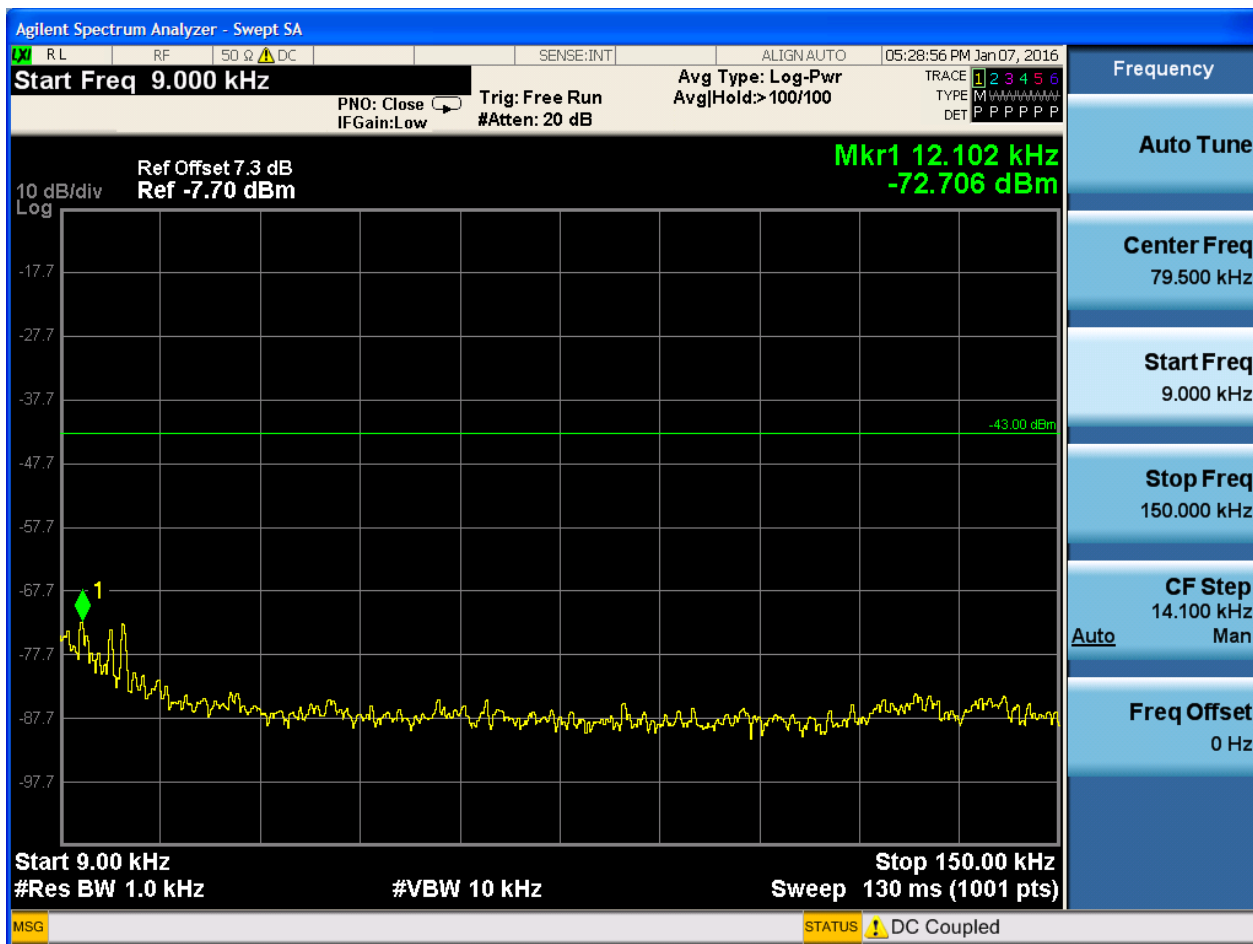
6.2.3.1.2 Test Channel = MCH

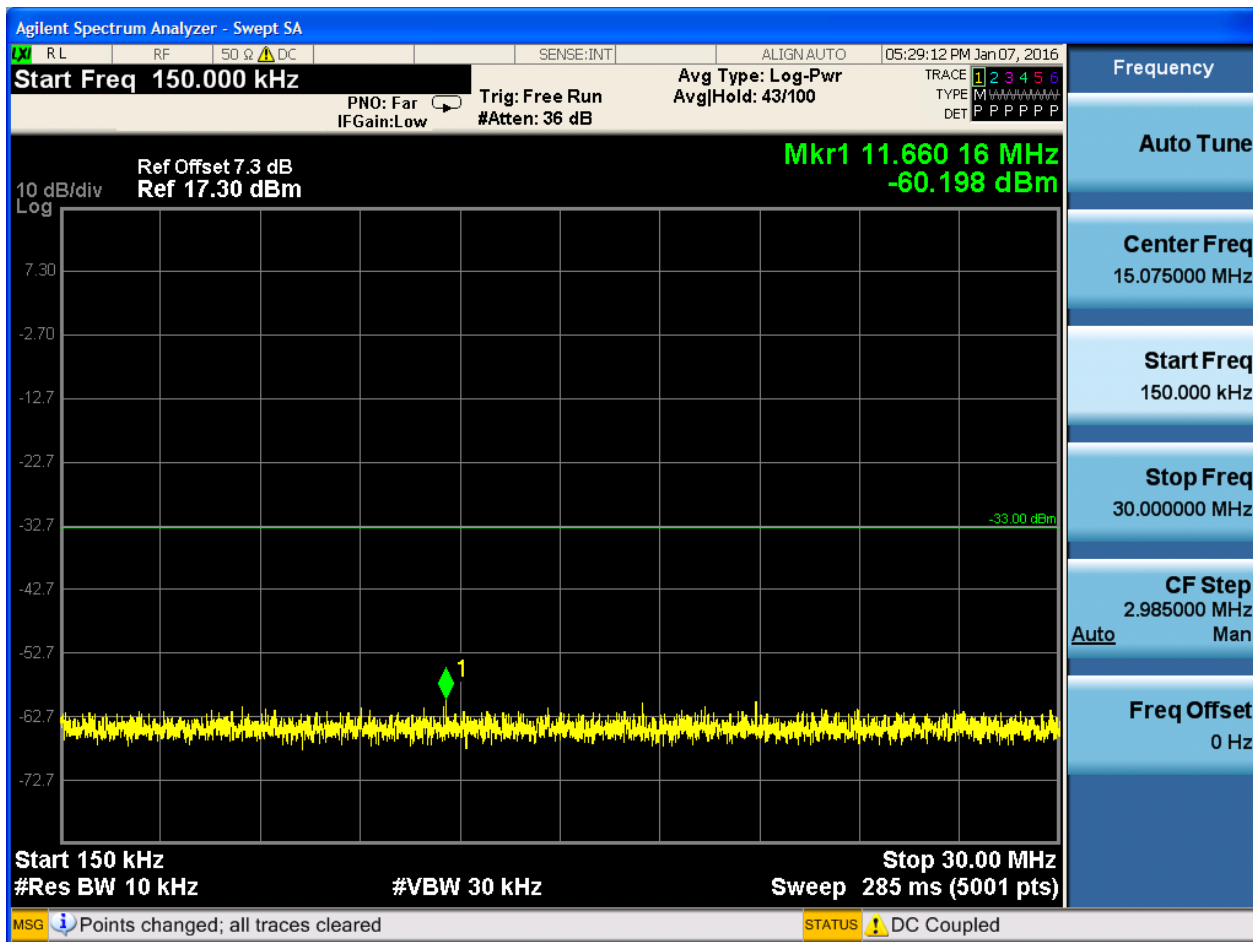


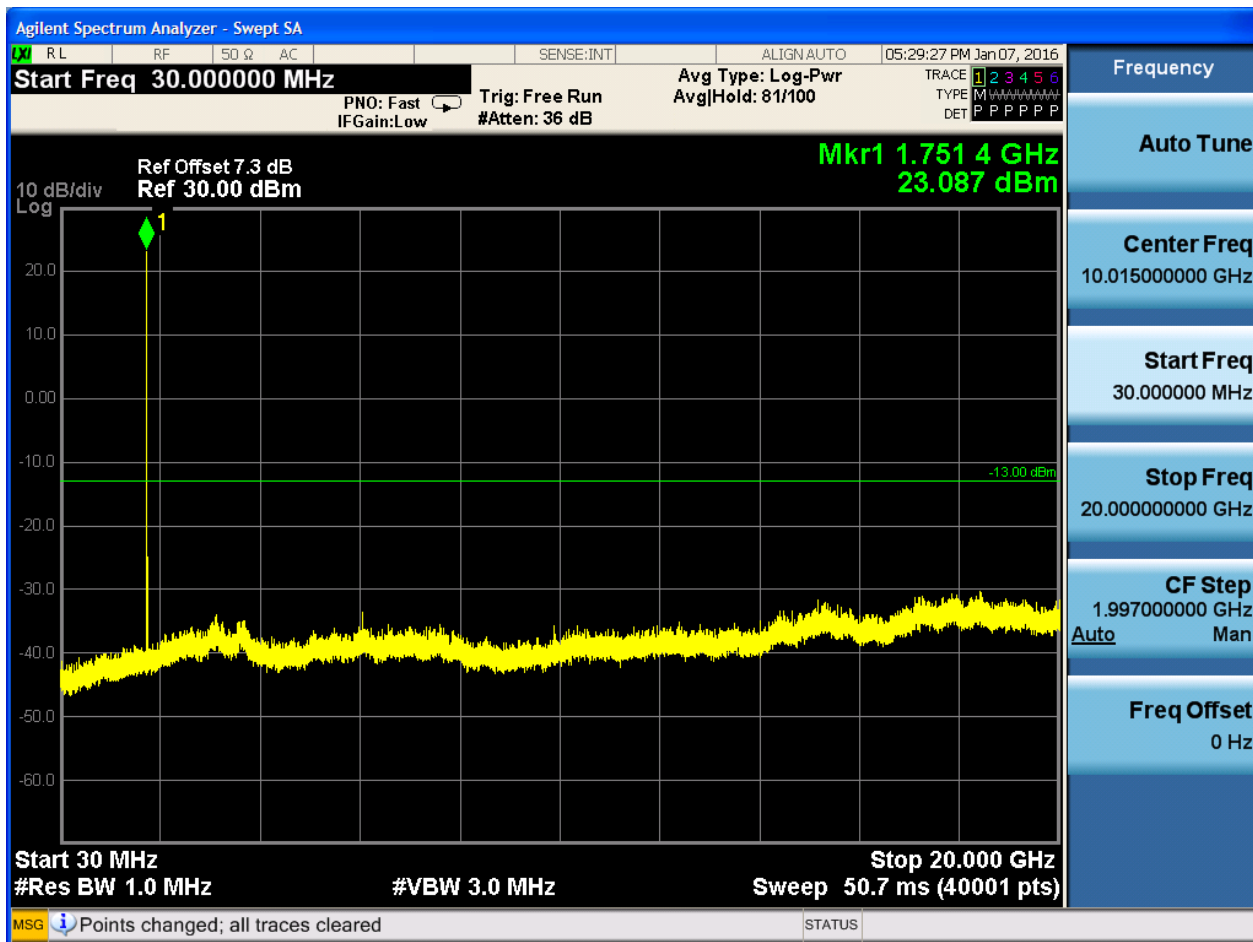




6.2.3.1.3 Test Channel = HCH







7Appendix_G: Field Strength of Spurious Radiation

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

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

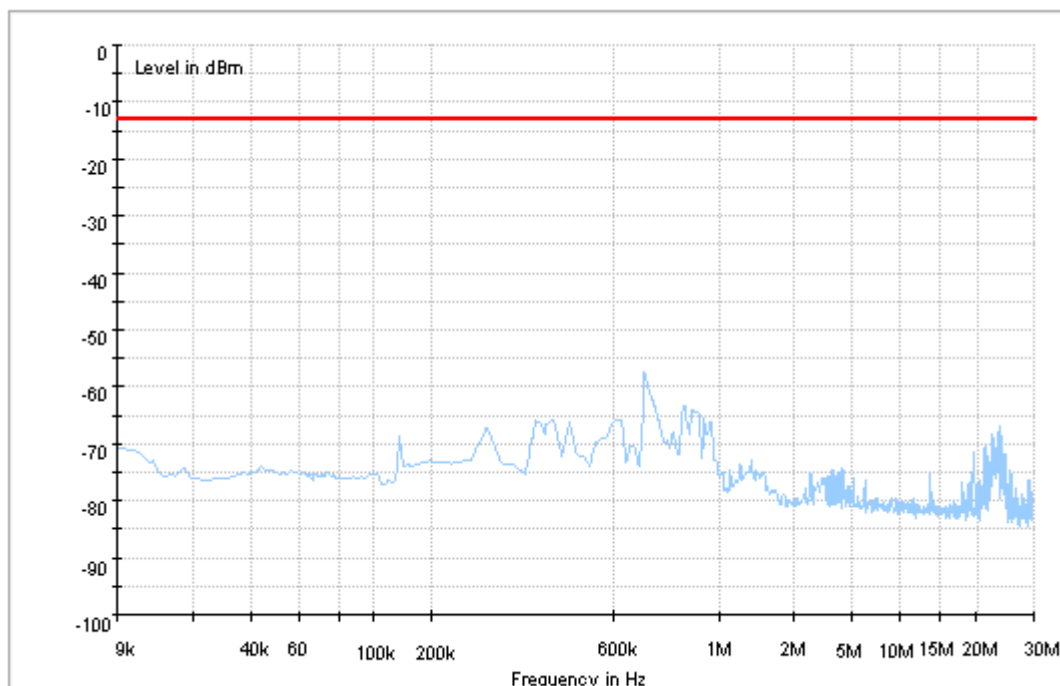
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

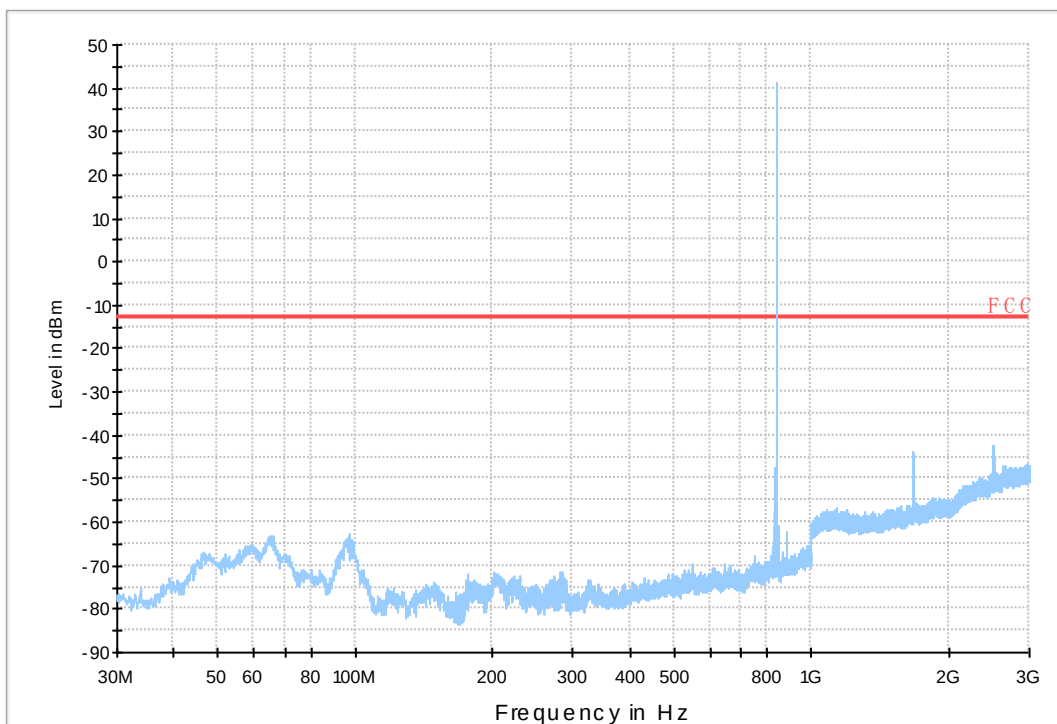
7.1 For GSM

7.1.1 Test Band = GSM850

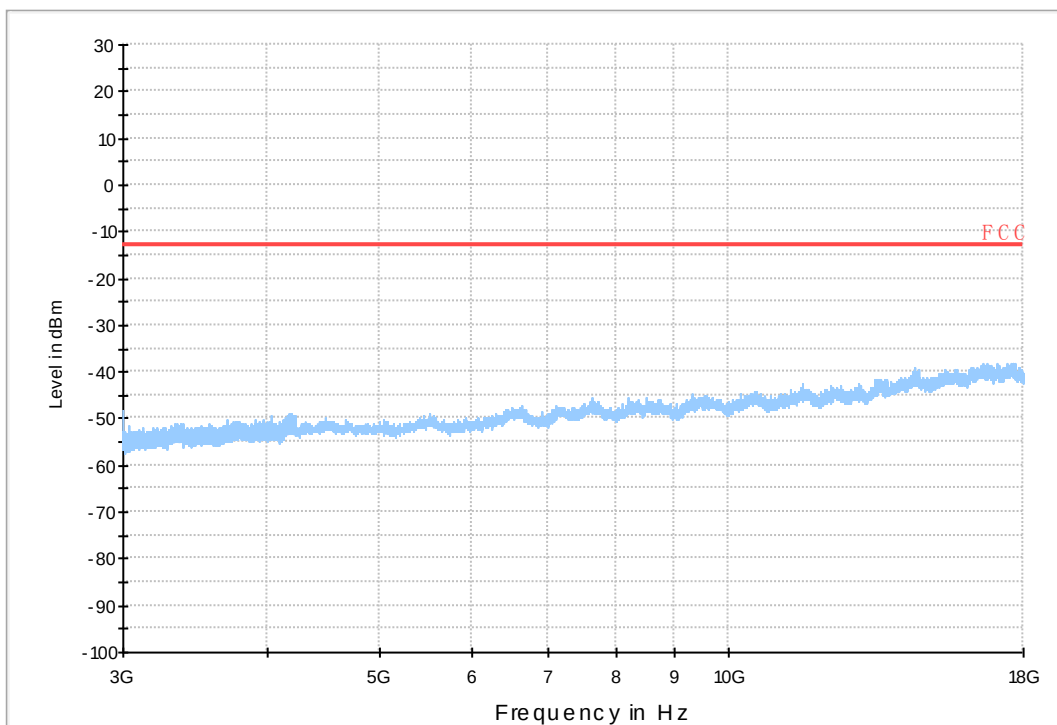
7.1.1.1 Test Mode = GSM/TM1



Copy of FCC PART 22 GSM850_L

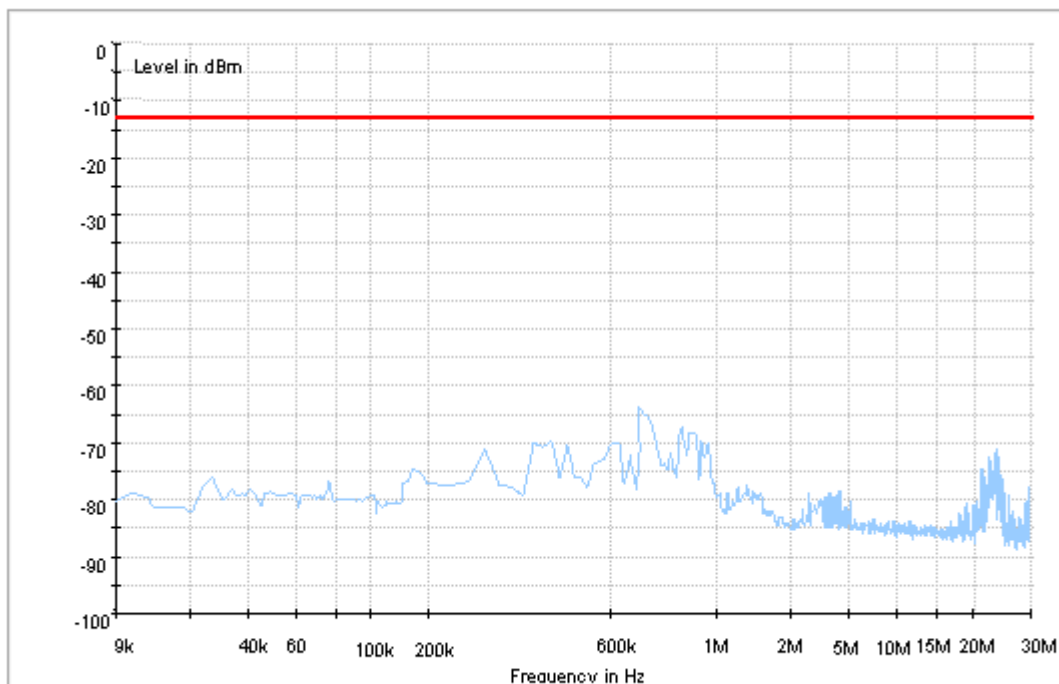


Copy of FCC PART 22 GSM850_H

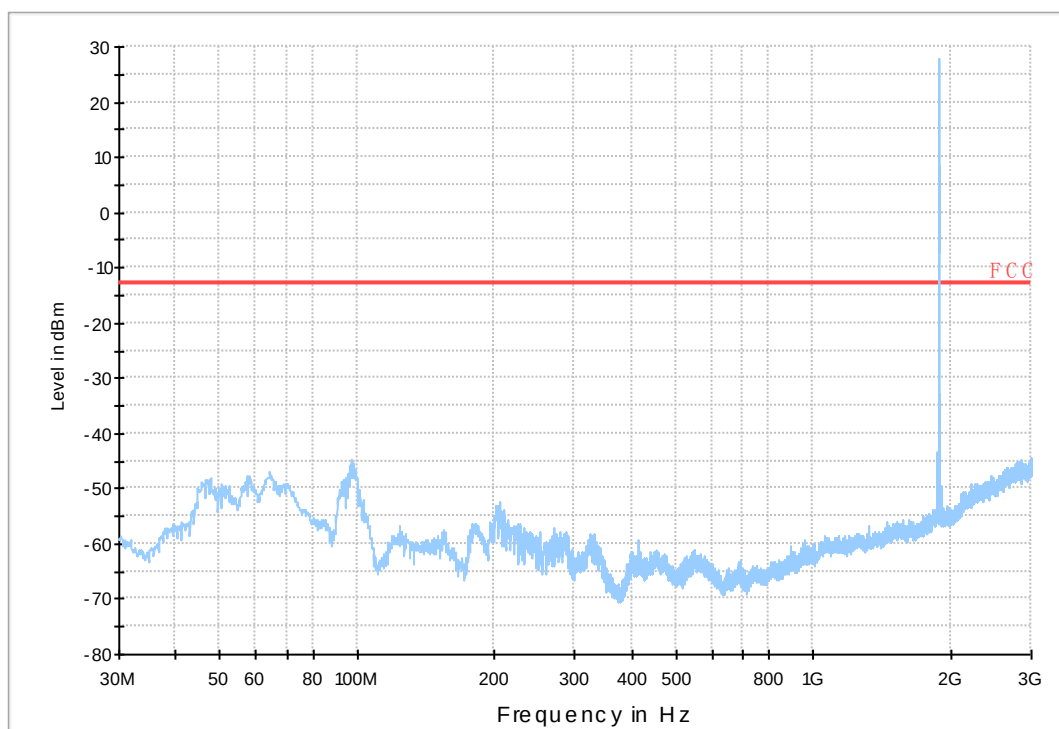


7.1.2 Test Band = GSM1900

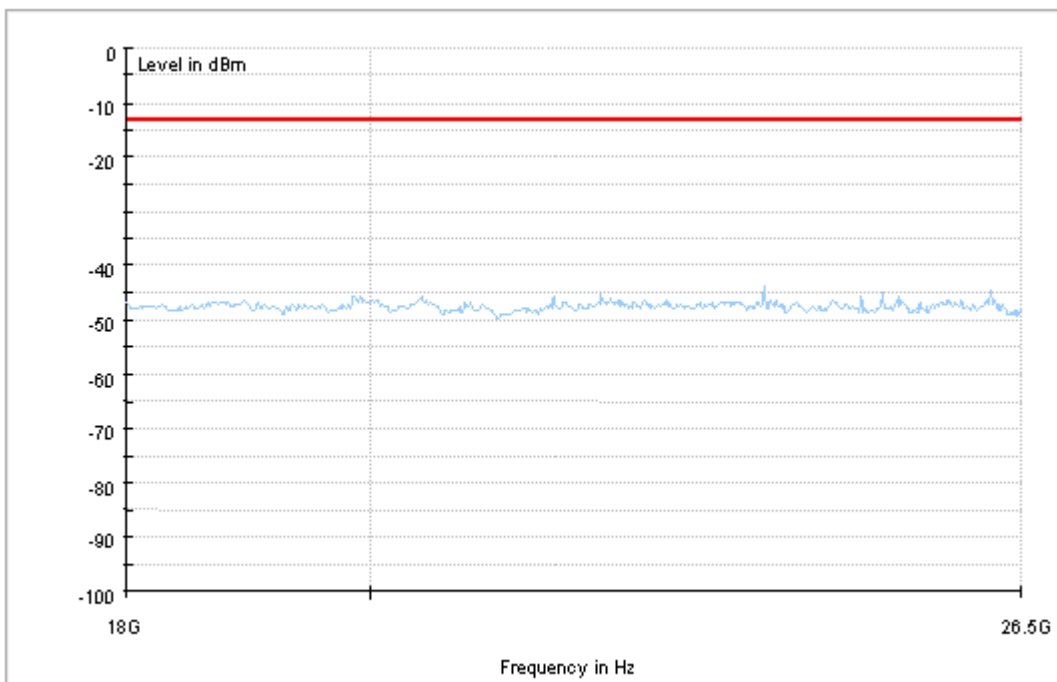
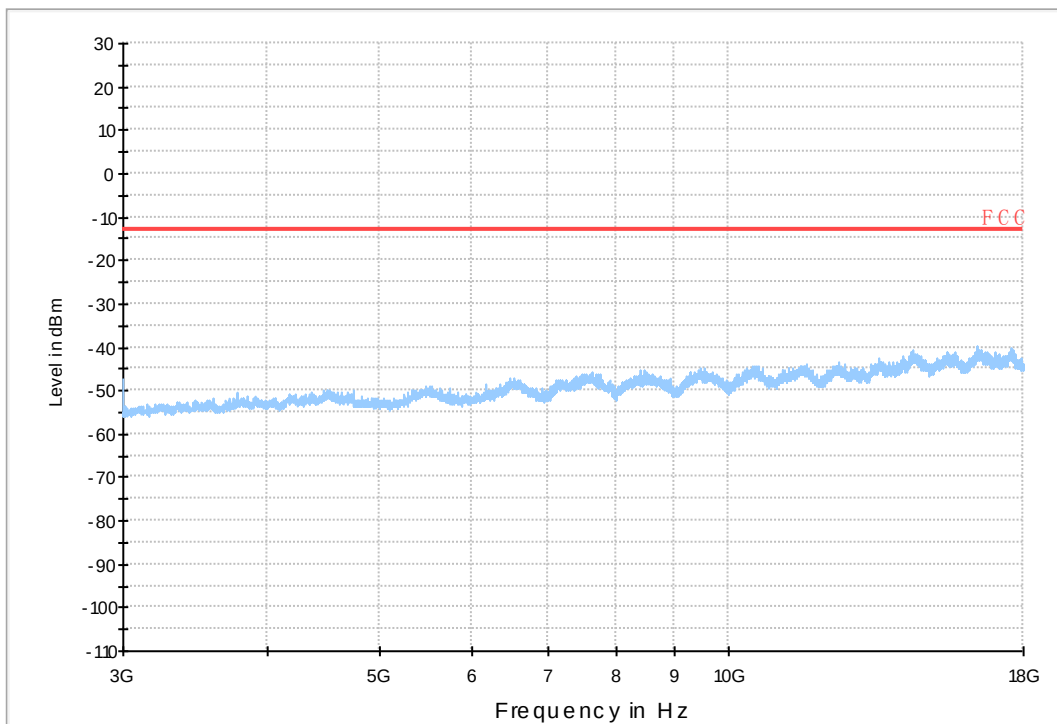
7.1.2.1 Test Mode = GSM/TM1



Copy of FCC PART 24 GSM 1900_L



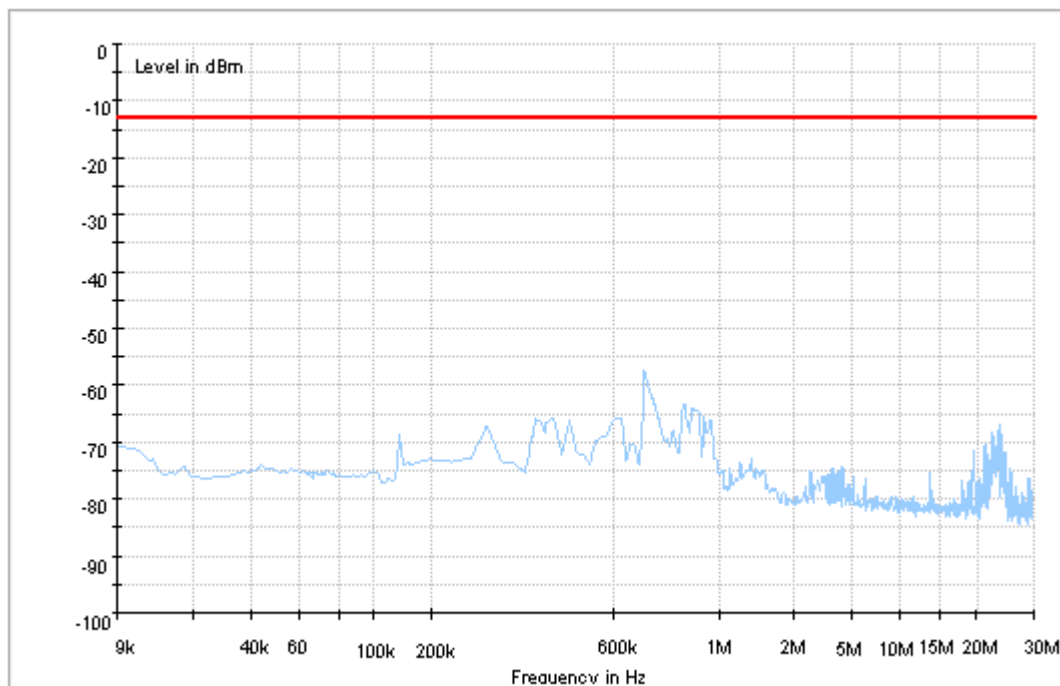
Copy of FCC PART 24 GSM 1900_H



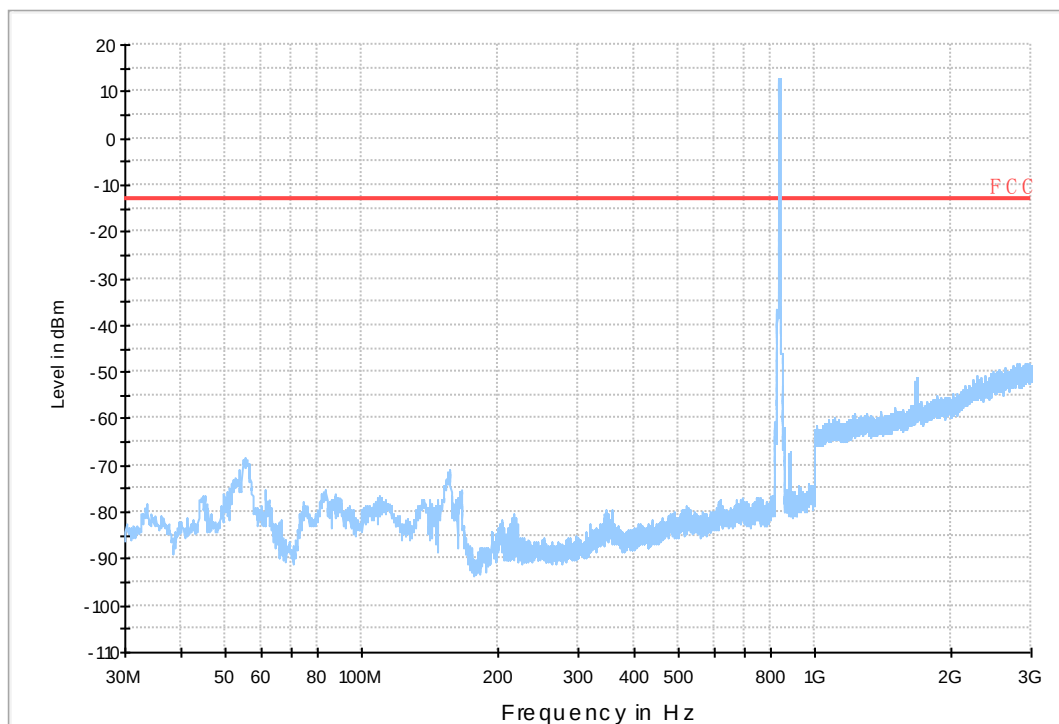
7.2 For UMTS

7.2.1 Test Band = WCDMA850

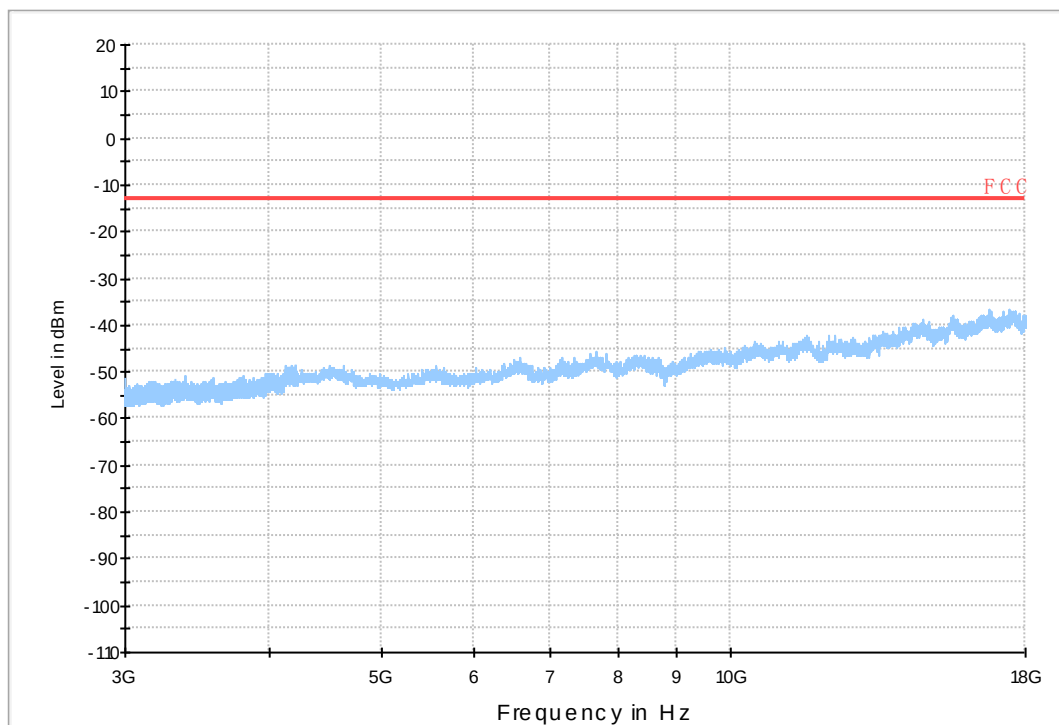
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 W CDMA850_L

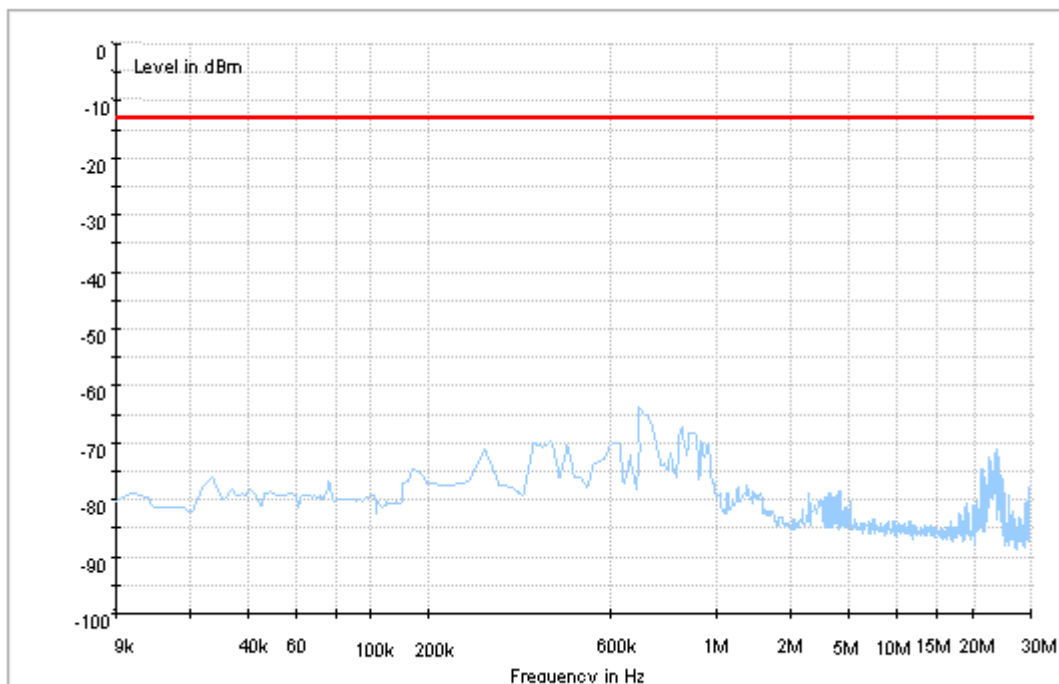


Copy of FCC PART22 W CDMA850_H

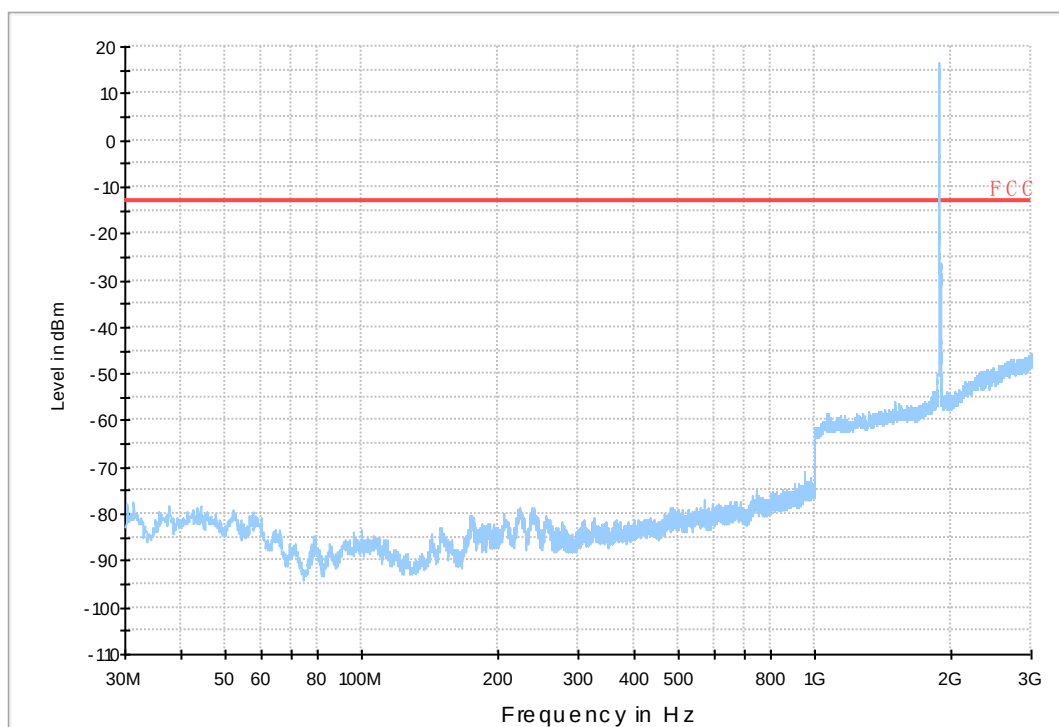


7.2.2 Test Band = WCDMA1900

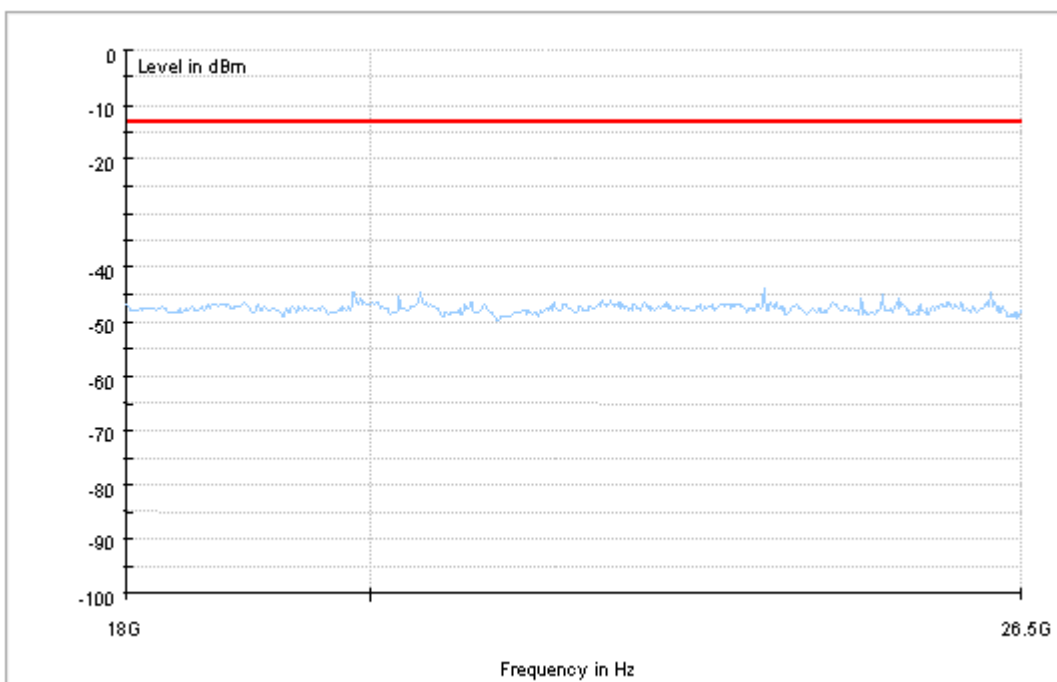
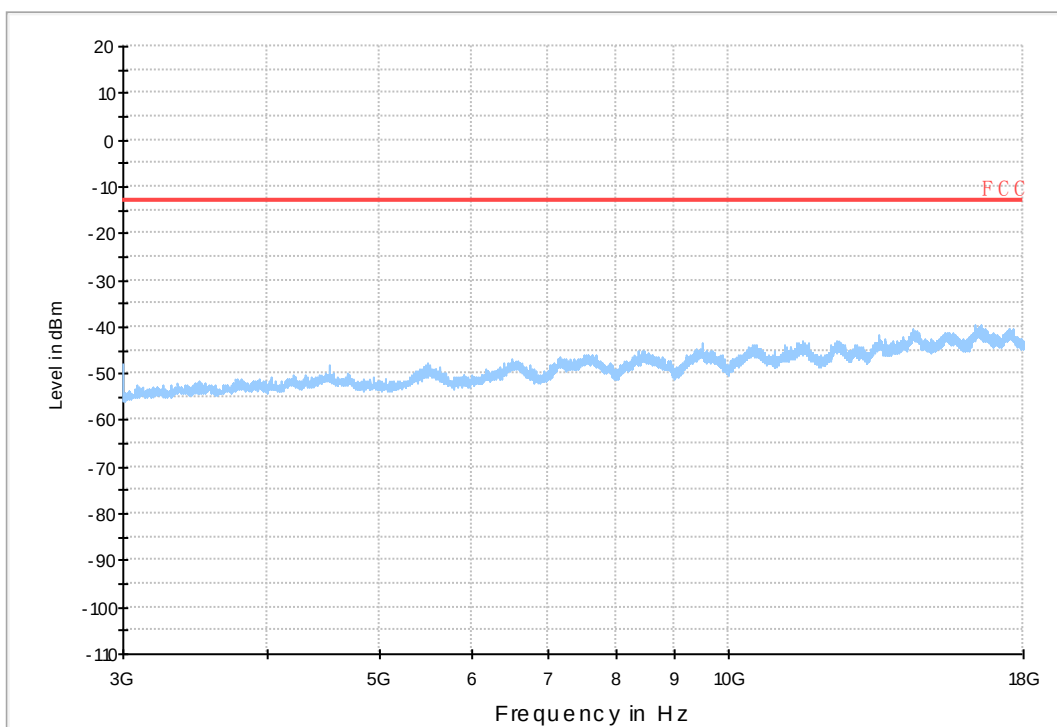
7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART 24 W CDMA1900_L

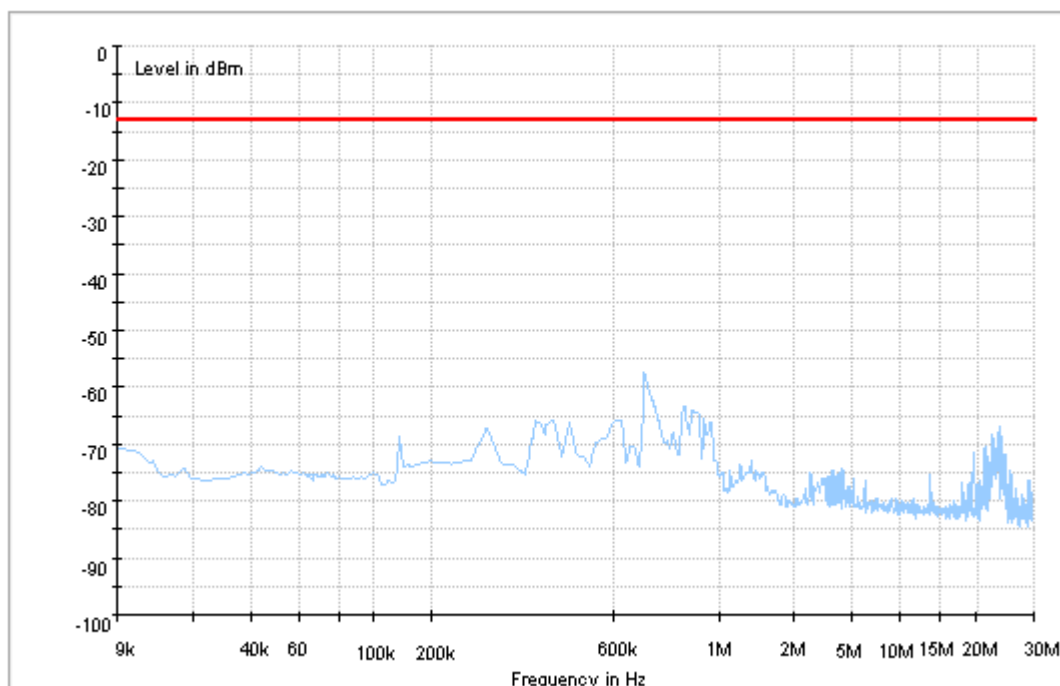


Copy of FCC PART 24 W CDMA1900_H

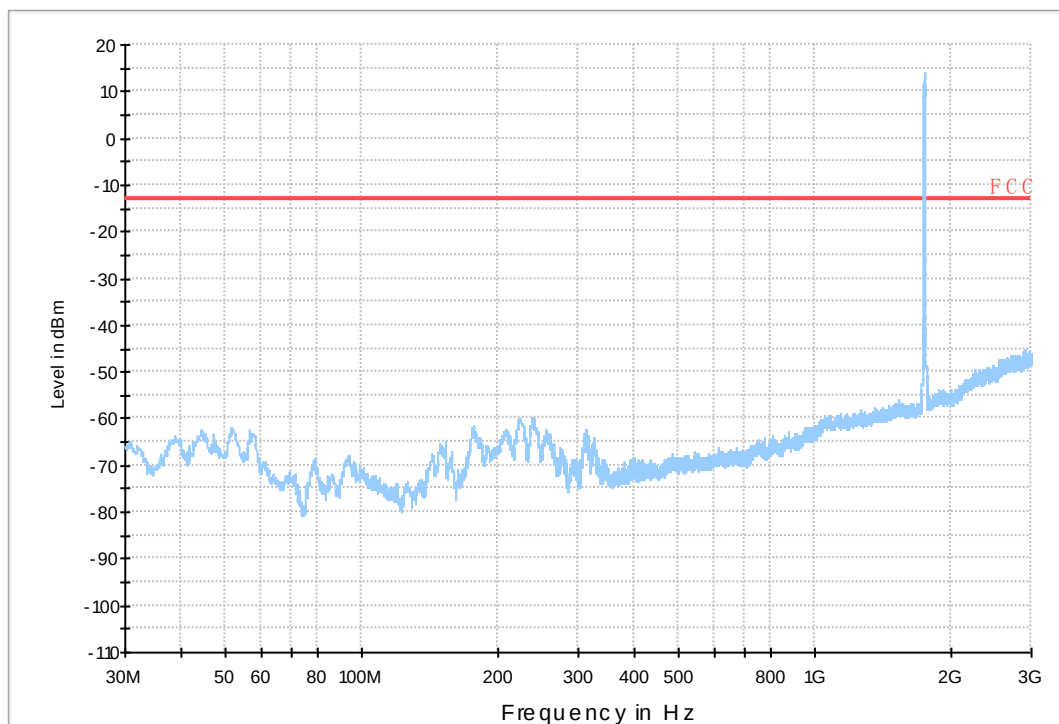


7.2.3 Test Band = WCDMA1700

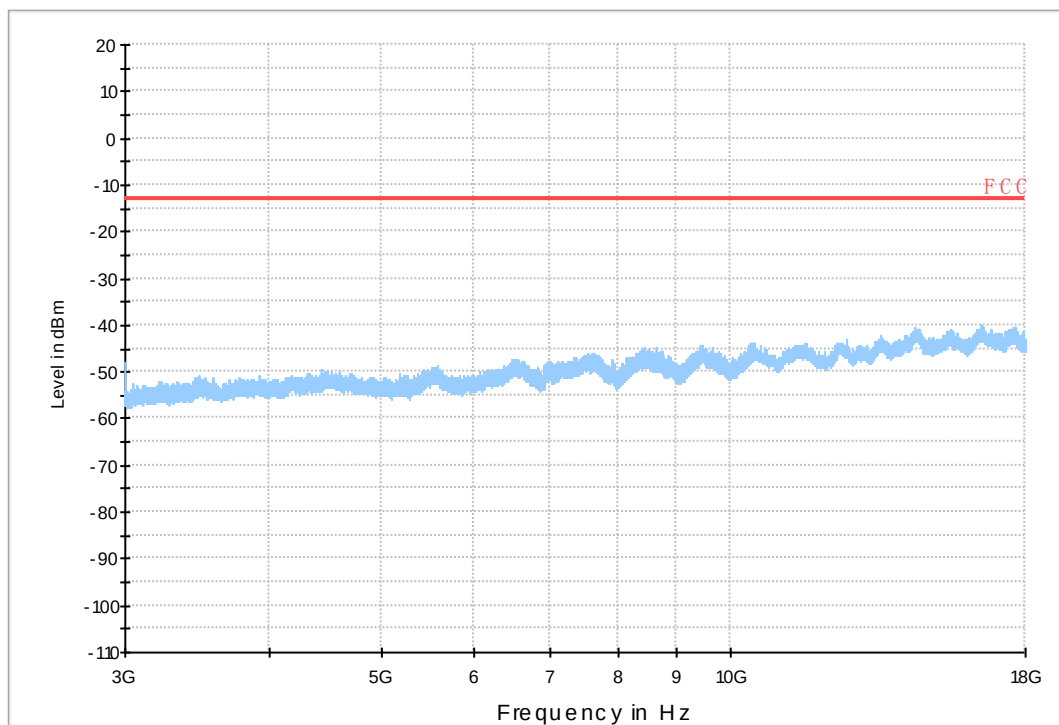
7.2.3.1 Test Mode = UMTS/TM1



Copy of FCC PART27 W CDMA1700_L



Copy of FCC PART27 W CDMA1700_H



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]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-22.73	-0.02758	PASS
				VN	-15.17	-0.01841	PASS
				VH	-16.47	-0.01998	PASS
		MCH	TN	VL	-17.31	-0.02069	PASS
				VN	-13.3	-0.0159	PASS
				VH	-19.63	-0.02346	PASS
		HCH	TN	VL	-14.08	-0.01659	PASS
				VN	-13.62	-0.01605	PASS
				VH	-20.21	-0.02381	PASS
	GSM/TM2	LCH	TN	VL	-10.88	-0.0132	PASS
				VN	-21.57	-0.02617	PASS
				VH	-21.89	-0.02656	PASS
		MCH	TN	VL	-19.5	-0.02331	PASS
				VN	-20.63	-0.02466	PASS
				VH	-16.66	-0.01991	PASS
		HCH	TN	VL	-30.06	-0.03541	PASS
				VN	-13.43	-0.01582	PASS
				VH	-17.01	-0.02004	PASS
GSM1900	GSM/TM1	LCH	TN	VL	14.79	0.00799	PASS
				VN	11.62	0.00628	PASS
				VH	9.88	0.00534	PASS
		MCH	TN	VL	7.62	0.00405	PASS
				VN	6.07	0.00323	PASS
				VH	6.46	0.00344	PASS
		HCH	TN	VL	35.58	0.01863	PASS
				VN	23.44	0.01227	PASS
				VH	14.27	0.00747	PASS
	GSM/TM2	LCH	TN	VL	0.42	0.00023	PASS
				VN	24.21	0.01309	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VH	11.62	0.00628	PASS
				VL	2.55	0.00136	PASS
				VN	10.43	0.00555	PASS
				VH	4.29	0.00228	PASS
		HCH	TN	VL	15.08	0.0079	PASS
				VN	12.27	0.00642	PASS
				VH	12.24	0.00641	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	-13.75	-0.01668	PASS
				-20	-14.27	-0.01731	PASS
				-10	-15.5	-0.01881	PASS
				0	-14.79	-0.01794	PASS
				10	-16.4	-0.0199	PASS
				20	-17.63	-0.02139	PASS
				30	-13.95	-0.01693	PASS
				40	-17.76	-0.02155	PASS
				50	-15.5	-0.01881	PASS
		MCH	VN	-30	-17.31	-0.02069	PASS
				-20	-11.95	-0.01428	PASS
				-10	-14.4	-0.01721	PASS
				0	-17.5	-0.02092	PASS
				10	-20.99	-0.02509	PASS
				20	-20.92	-0.02501	PASS
				30	-17.37	-0.02076	PASS
				40	-19.31	-0.02308	PASS
				50	-20.15	-0.02409	PASS
		HCH	VN	-30	-16.01	-0.01886	PASS
				-20	-19.24	-0.02267	PASS
				-10	-15.88	-0.01871	PASS
				0	-19.95	-0.0235	PASS
				10	-9.56	-0.01126	PASS
				20	-14.53	-0.01712	PASS
				30	-14.98	-0.01765	PASS
				40	-17.37	-0.02046	PASS
				50	-15.95	-0.01879	PASS
	GSM/TM2	LCH	VN	-30	-17.79	-0.02158	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-20	-20.79	-0.02522	PASS
				-10	-15.37	-0.01865	PASS
				0	-24.47	-0.02969	PASS
				10	-9.14	-0.01109	PASS
				20	-23.57	-0.0286	PASS
				30	-15.63	-0.01896	PASS
				40	-17.31	-0.021	PASS
				50	-14.72	-0.01786	PASS
		MCH	VN	-30	-25.51	-0.03049	PASS
				-20	-18.27	-0.02184	PASS
				-10	-34	-0.04064	PASS
				0	-22.89	-0.02736	PASS
				10	-17.63	-0.02107	PASS
				20	-21.99	-0.02628	PASS
				30	-11.88	-0.0142	PASS
				40	-14.69	-0.01756	PASS
				50	-26.89	-0.03214	PASS
		HCH	VN	-30	-19.18	-0.0226	PASS
				-20	-26.76	-0.03153	PASS
				-10	-18.98	-0.02236	PASS
				0	-22.63	-0.02666	PASS
				10	-23.67	-0.02789	PASS
				20	-24.05	-0.02833	PASS
				30	-20.92	-0.02465	PASS
				40	-10.46	-0.01232	PASS
				50	-26.12	-0.03077	PASS
GSM1900	GSM/TM1	LCH	VN	-30	12.33	0.00666	PASS
				-20	19.11	0.01033	PASS
				-10	4.33	0.00234	PASS
				0	11.62	0.00628	PASS
				10	19.11	0.01033	PASS
				20	14.4	0.00778	PASS
				30	7.55	0.00408	PASS
				40	24.6	0.0133	PASS
				50	9.36	0.00506	PASS
		MCH	VN	-30	10.65	0.00566	PASS
				-20	22.41	0.01192	PASS
				-10	8.07	0.00429	PASS
				0	16.59	0.00882	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				10	13.5	0.00718	PASS
				20	17.24	0.00917	PASS
				30	18.27	0.00972	PASS
				40	22.79	0.01212	PASS
				50	23.7	0.01261	PASS
		HCH	VN	-30	32.16	0.01684	PASS
				-20	13.17	0.0069	PASS
				-10	12.85	0.00673	PASS
				0	19.76	0.01035	PASS
				10	15.11	0.00791	PASS
				20	13.17	0.0069	PASS
				30	17.43	0.00913	PASS
				40	21.63	0.01133	PASS
				50	12.07	0.00632	PASS
	GSM/TM2	LCH	VN	-30	18.21	0.00984	PASS
				-20	-0.68	-0.00037	PASS
				-10	-0.81	-0.00044	PASS
				0	10.11	0.00546	PASS
				10	10.04	0.00543	PASS
				20	9.75	0.00527	PASS
				30	8.91	0.00482	PASS
				40	14.46	0.00782	PASS
				50	12.01	0.00649	PASS
		MCH	VN	-30	16.14	0.00859	PASS
				-20	1.81	0.00096	PASS
				-10	-9.07	-0.00482	PASS
				0	-1.52	-0.00081	PASS
				10	6.39	0.0034	PASS
				20	19.79	0.01053	PASS
				30	4.13	0.0022	PASS
				40	-5.68	-0.00302	PASS
				50	4.07	0.00216	PASS
		HCH	VN	-30	3.62	0.0019	PASS
				-20	20.37	0.01067	PASS
				-10	14.21	0.00744	PASS
				0	0.39	0.0002	PASS
				10	16.08	0.00842	PASS
				20	18.47	0.00967	PASS
				30	2.32	0.00121	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				40	13.95	0.0073	PASS
				50	7.23	0.00379	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]	Verdict
WCDMA850	UMTS/TM1	LCH	TN	VL	-5.57	-0.00674	PASS
				VN	-4.21	-0.00509	PASS
				VH	-0.02	-0.00002	PASS
		MCH	TN	VL	5.86	0.00701	PASS
				VN	1.07	0.00128	PASS
				VH	6.45	0.00771	PASS
		HCH	TN	VL	-7.49	-0.00885	PASS
				VN	2.03	0.0024	PASS
				VH	1.75	0.00207	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-11.95	-0.00645	PASS
				VN	-6.61	-0.00357	PASS
				VH	-8.61	-0.00465	PASS
		MCH	TN	VL	-15.05	-0.00801	PASS
				VN	-8.29	-0.00441	PASS
				VH	-7.1	-0.00378	PASS
		HCH	TN	VL	-3.68	-0.00193	PASS
				VN	0.76	0.0004	PASS
				VH	-2.2	-0.00115	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-6.03	-0.00352	PASS
				VN	-2.41	-0.00141	PASS
				VH	1.89	0.0011	PASS
		MCH	TN	VL	-7.42	-0.00428	PASS
				VN	6.12	0.00353	PASS
				VH	-1.77	-0.00102	PASS
		HCH	TN	VL	-0.82	-0.00047	PASS
				VN	-3.8	-0.00217	PASS
				VH	-0.37	-0.00021	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]	Verdict
WCDMA850	UMTS/TM1	LCH	VN	-30	-4.55	-0.00551	PASS
				-20	1.31	0.00159	PASS
				-10	5.36	0.00649	PASS
				0	7.13	0.00863	PASS
				10	4.55	0.00551	PASS
				20	3.72	0.0045	PASS
				30	4.78	0.00578	PASS
				40	-9.19	-0.01112	PASS
				50	0.92	0.00111	PASS
		MCH	VN	-30	-1.82	-0.00218	PASS
				-20	-0.9	-0.00108	PASS
				-10	1.04	0.00124	PASS
				0	1.53	0.00183	PASS
				10	2.78	0.00332	PASS
				20	-6.55	-0.00783	PASS
				30	7.45	0.00891	PASS
				40	8.97	0.01072	PASS
				50	10.03	0.01199	PASS
		HCH	VN	-30	-8.65	-0.01022	PASS
				-20	9.16	0.01082	PASS
				-10	8.07	0.00953	PASS
				0	1.19	0.00141	PASS
				10	5.98	0.00706	PASS
				20	-4.38	-0.00517	PASS
				30	4.85	0.00573	PASS
				40	2.62	0.00309	PASS
				50	0.18	0.00021	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-0.61	-0.00033	PASS
				-20	-1.8	-0.00097	PASS
				-10	-9.87	-0.00533	PASS
				0	0.06	0.00003	PASS
				10	-4.39	-0.00237	PASS
				20	-3.34	-0.0018	PASS
				30	-10.96	-0.00592	PASS
				40	-7.86	-0.00424	PASS
				50	-7.8	-0.00421	PASS
		MCH	VN	-30	-4.3	-0.00229	PASS
				-20	-2.99	-0.00159	PASS
				-10	-2.99	-0.00159	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				0	-14.3	-0.00761	PASS
				10	-13.55	-0.00721	PASS
				20	-0.95	-0.00051	PASS
				30	-11.14	-0.00593	PASS
				40	-4.07	-0.00216	PASS
				50	2.47	0.00131	PASS
		HCH	VN	-30	0.11	0.00006	PASS
				-20	5.57	0.00292	PASS
				-10	-2.78	-0.00146	PASS
				0	8.41	0.00441	PASS
				10	-13.78	-0.00722	PASS
				20	-18.01	-0.00944	PASS
				30	-5.84	-0.00306	PASS
				40	-4.93	-0.00258	PASS
				50	-5.78	-0.00303	PASS
		LCH	VN	-30	-4.84	-0.00283	PASS
				-20	3.11	0.00182	PASS
				-10	0.53	0.00031	PASS
				0	-0.63	-0.00037	PASS
				10	0.47	0.00027	PASS
				20	0.43	0.00025	PASS
				30	4.58	0.00267	PASS
				40	-2.75	-0.00161	PASS
				50	-0.89	-0.00052	PASS
WCDMA1700	UMTS/TM1	MCH	VN	-30	-2.73	-0.00158	PASS
				-20	-4.36	-0.00252	PASS
				-10	-0.72	-0.00042	PASS
				0	-8.27	-0.00477	PASS
				10	6.61	0.00382	PASS
				20	-0.23	-0.00013	PASS
				30	-7.11	-0.0041	PASS
				40	4.43	0.00256	PASS
				50	2.35	0.00136	PASS
		HCH	VN	-30	-5.26	-0.003	PASS
				-20	2.03	0.00116	PASS
				-10	-0.98	-0.00056	PASS
				0	-2.43	-0.00139	PASS
				10	-0.58	-0.00033	PASS
				20	-2.78	-0.00159	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				30	-3.02	-0.00172	PASS
				40	4.12	0.00235	PASS
				50	-5.2	-0.00297	PASS

END