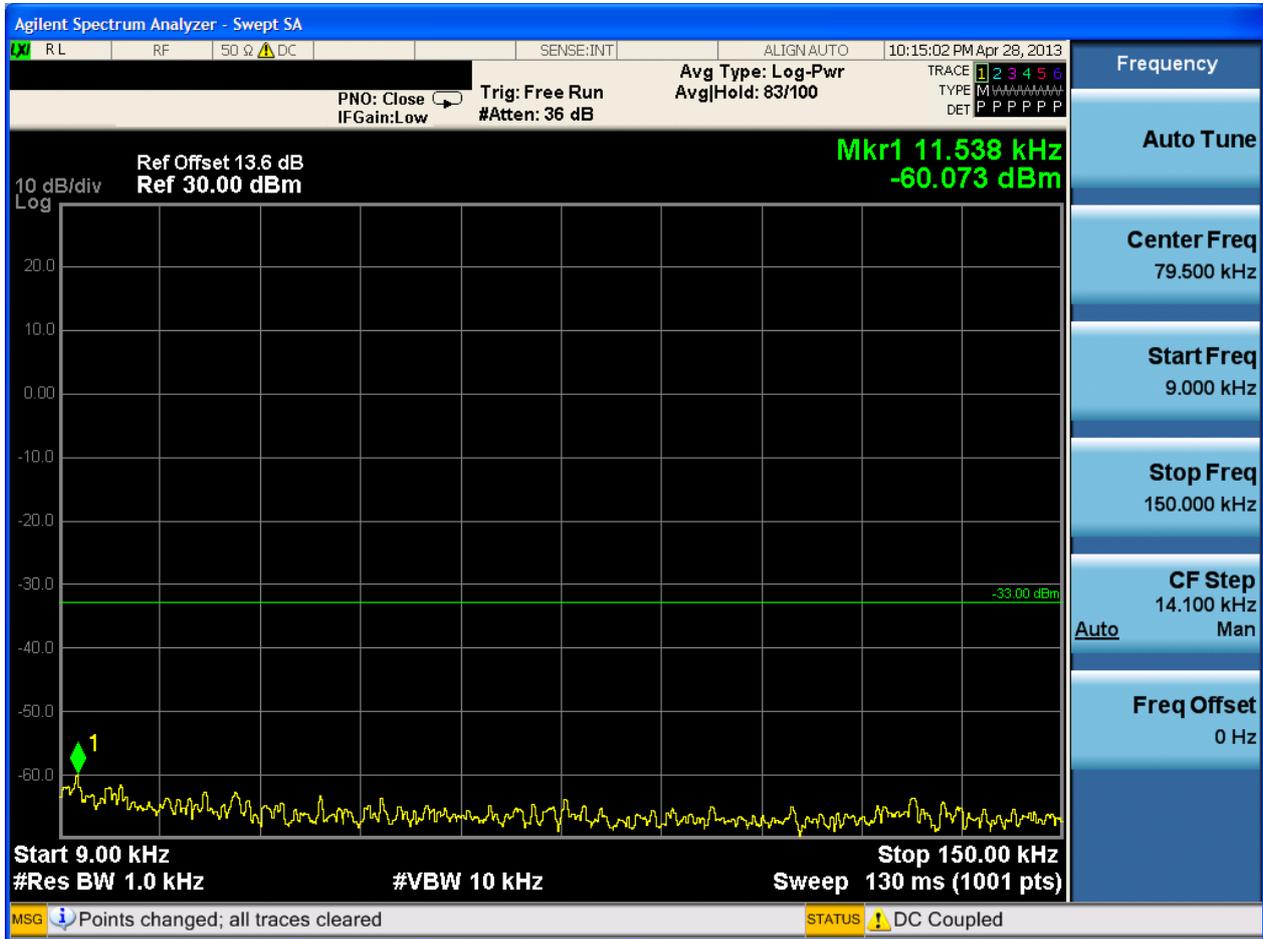
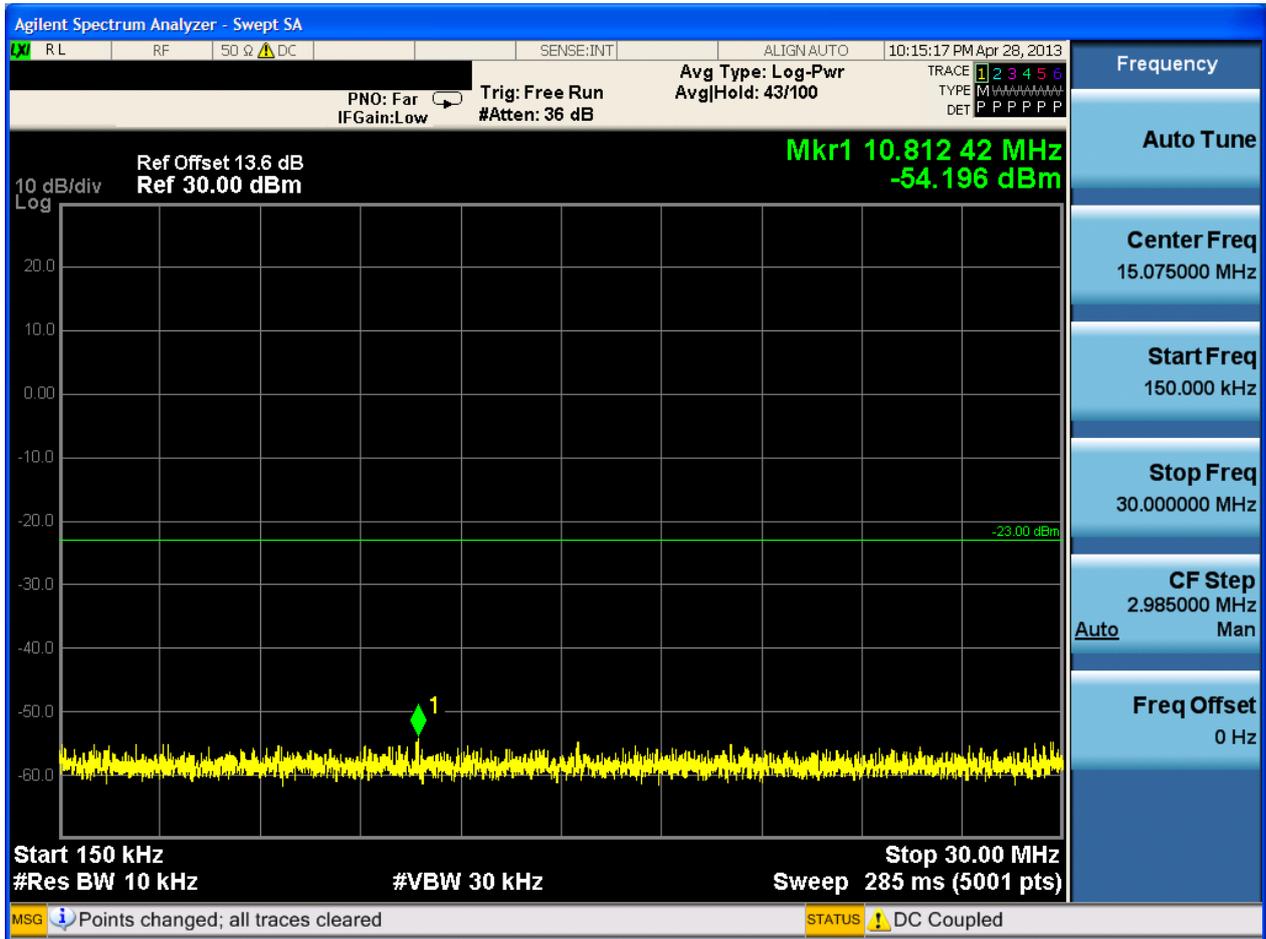
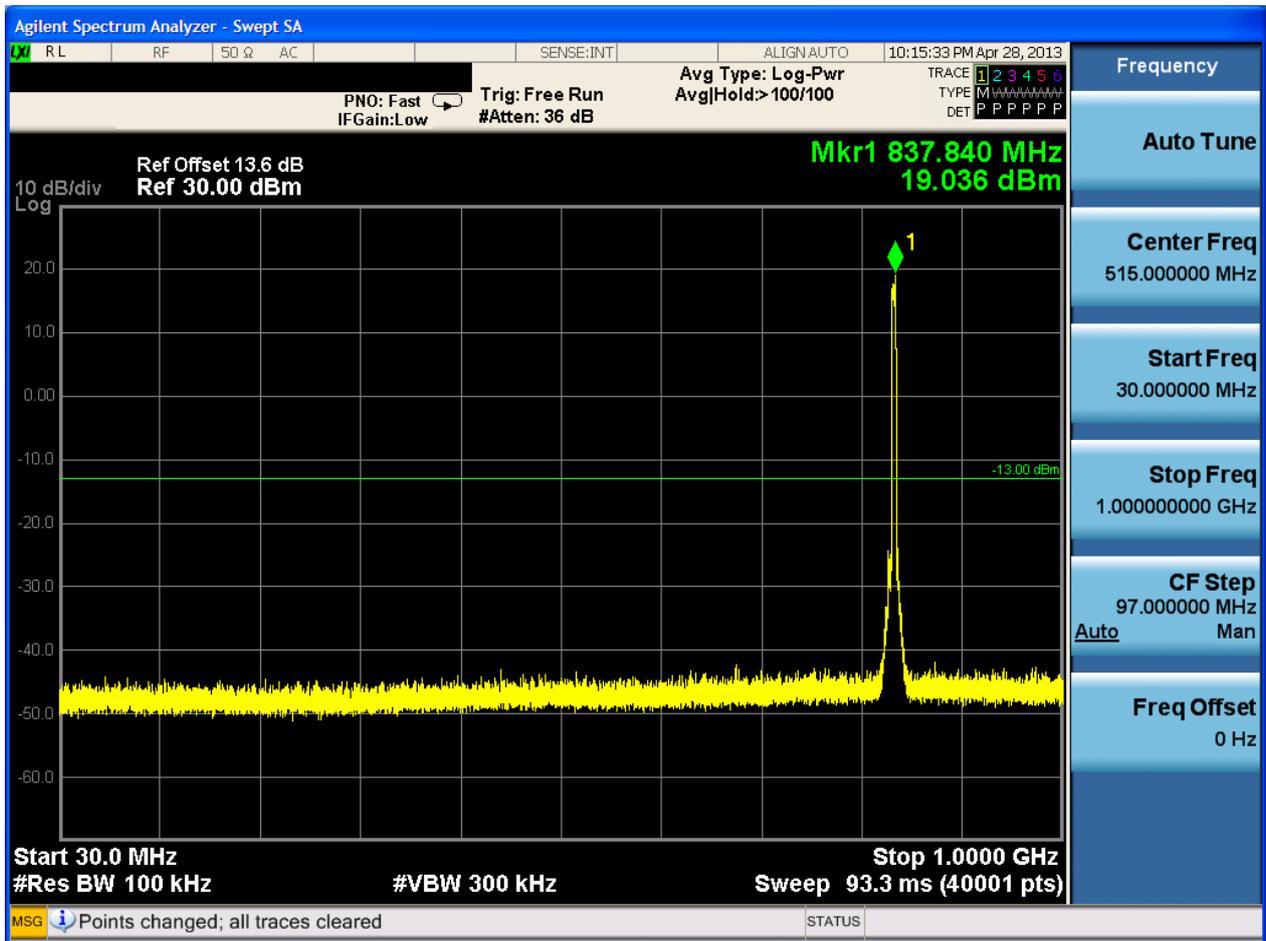
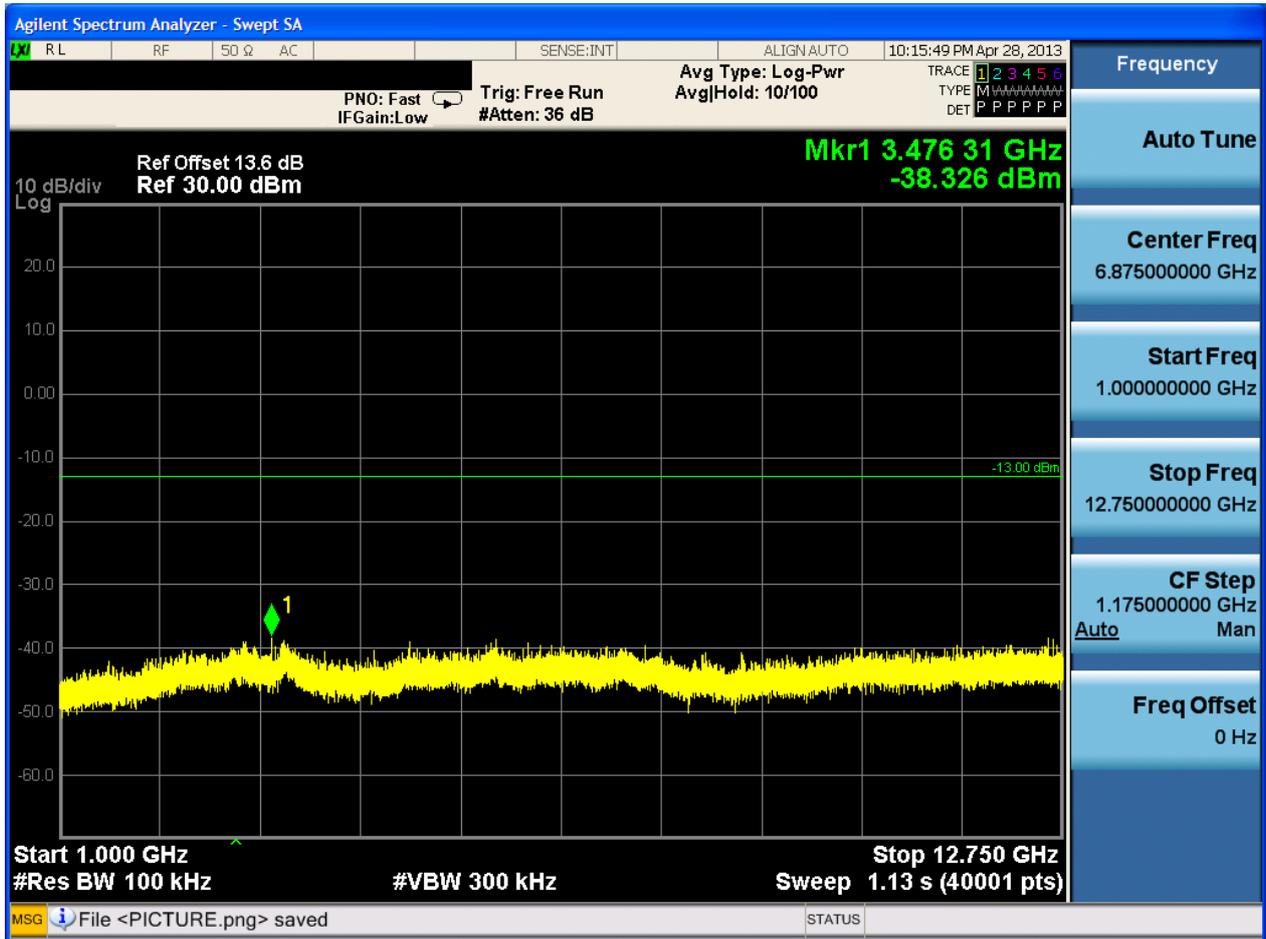


6.2.1.1.2 Test Channel = MCH



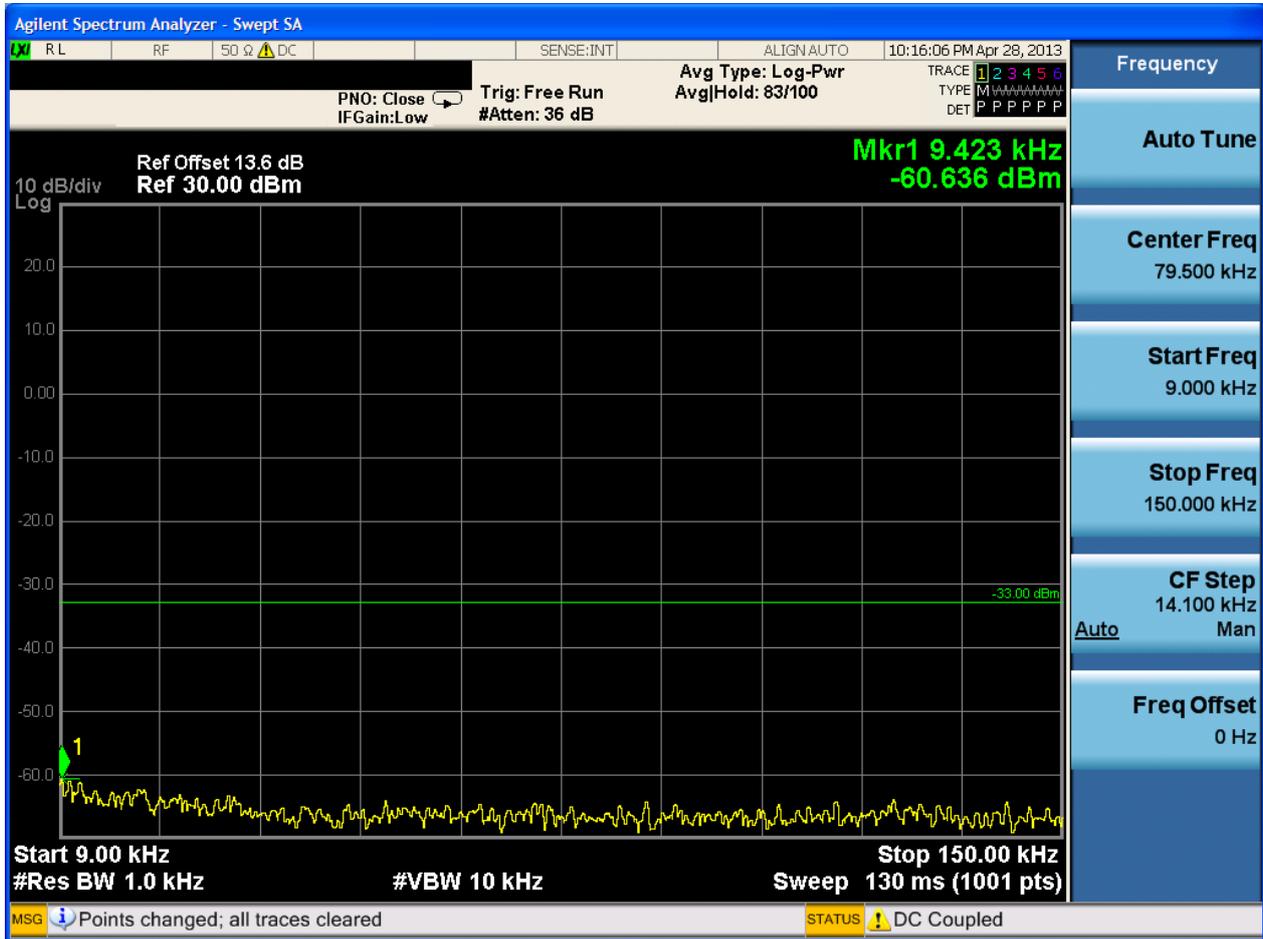


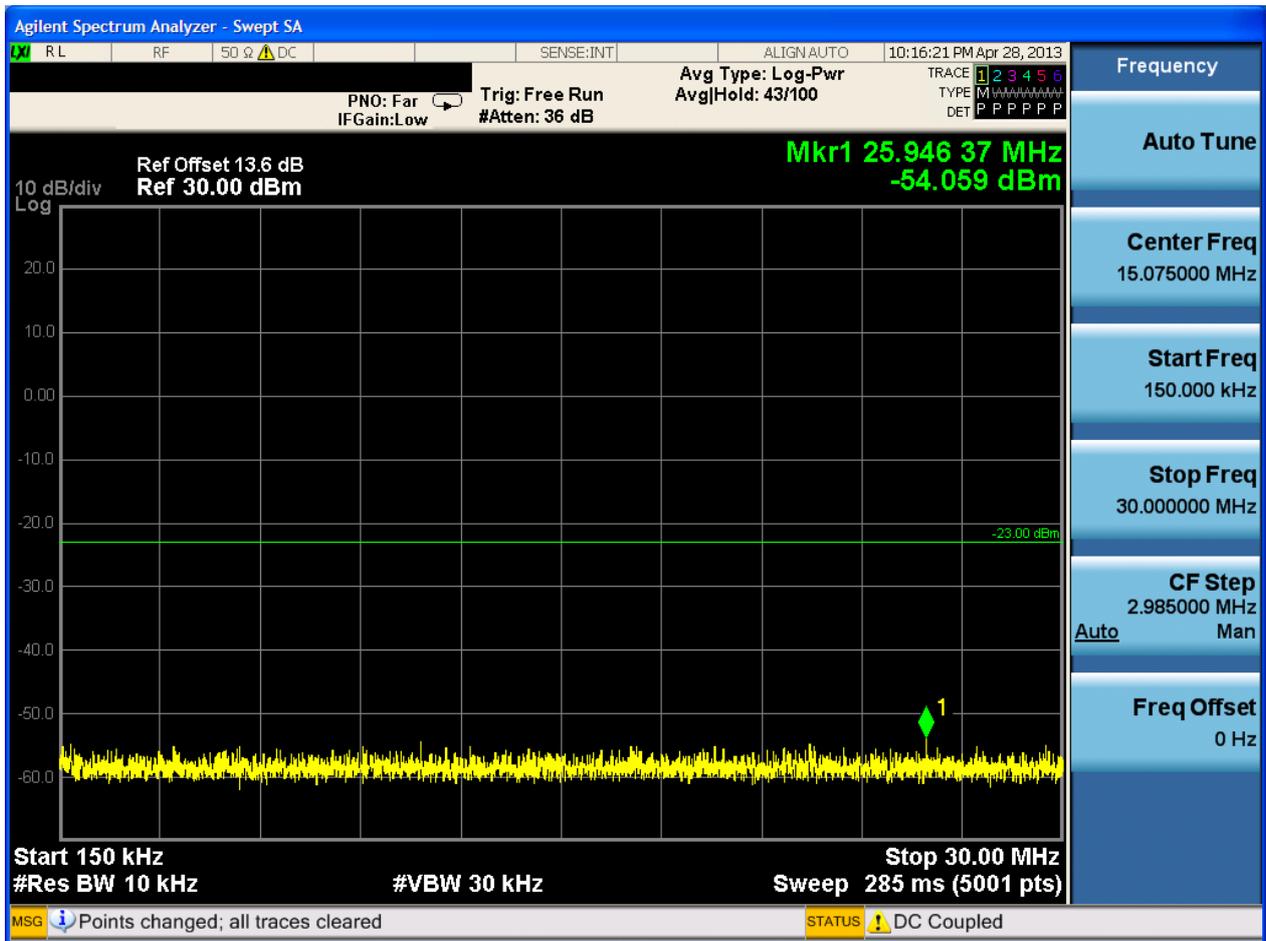


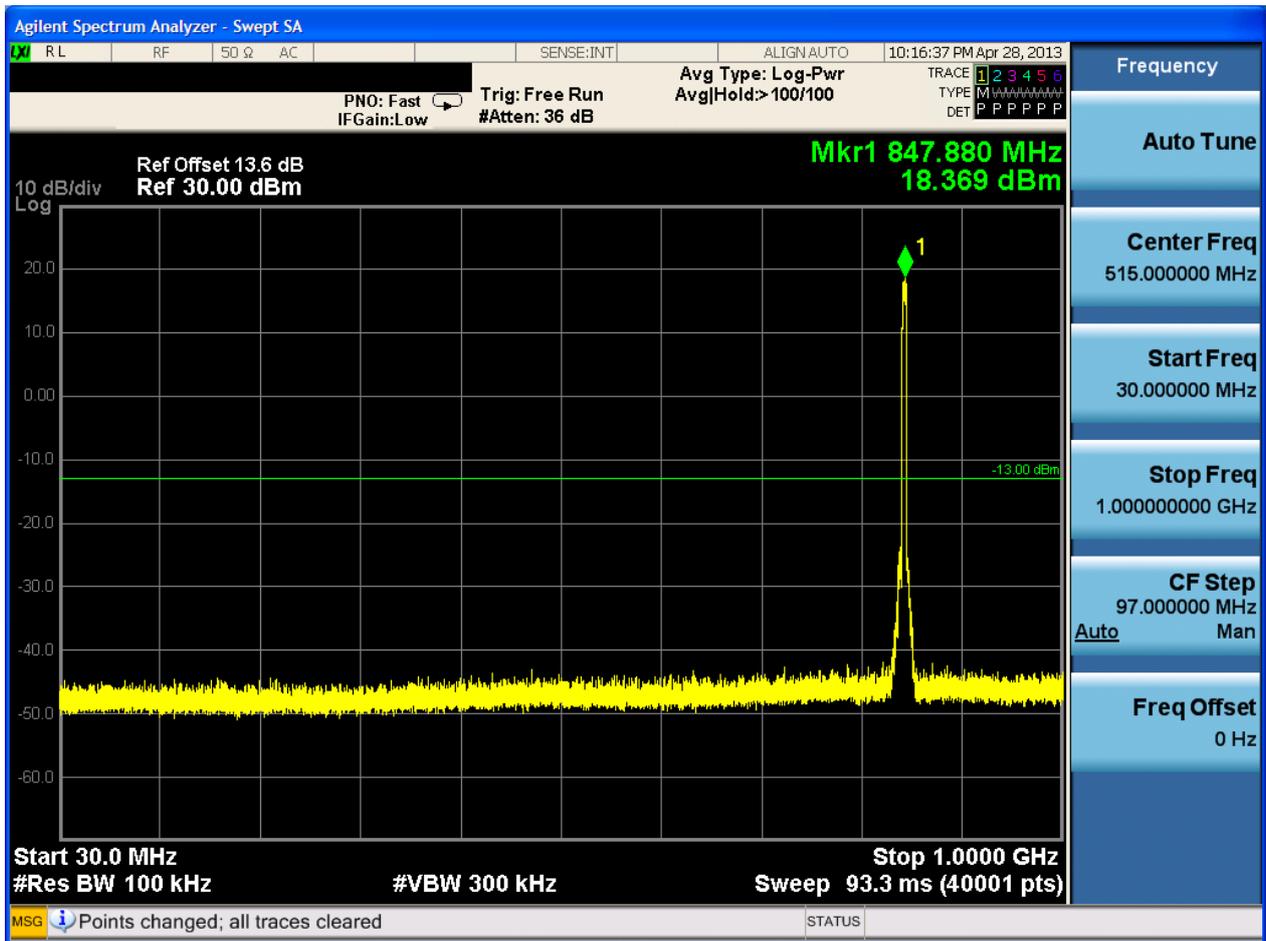




6.2.1.1.3 Test Channel = HCH







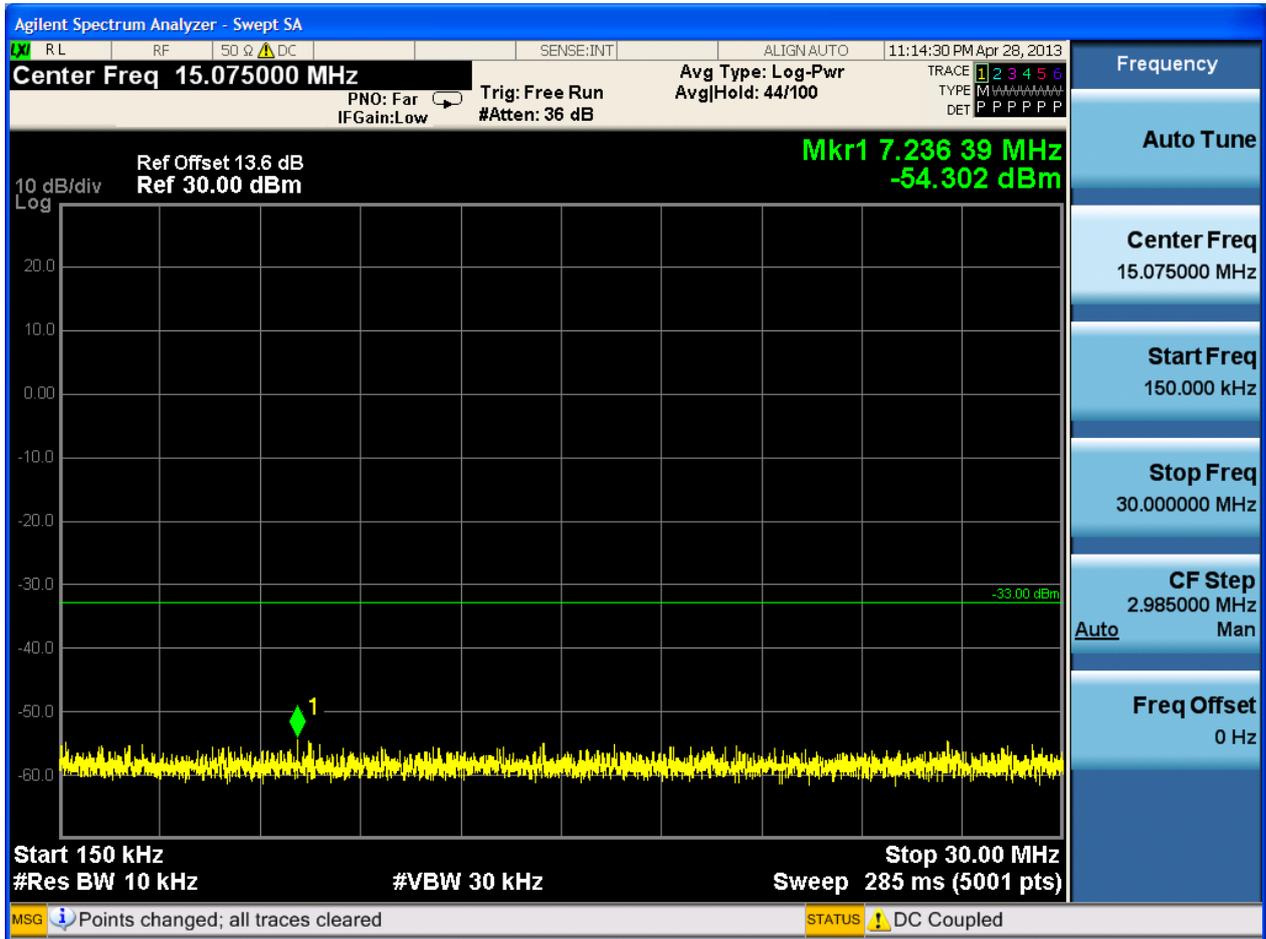


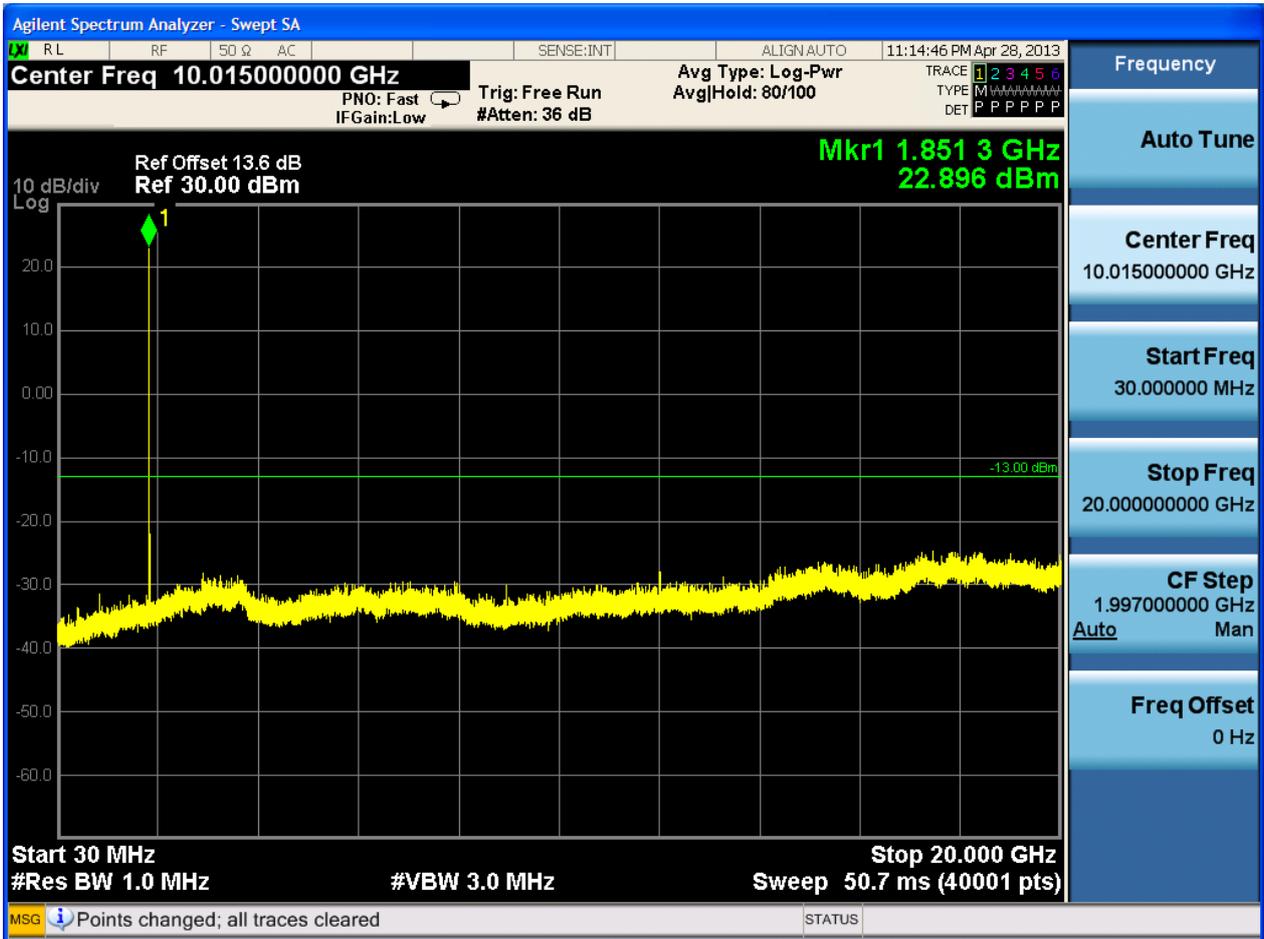
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH

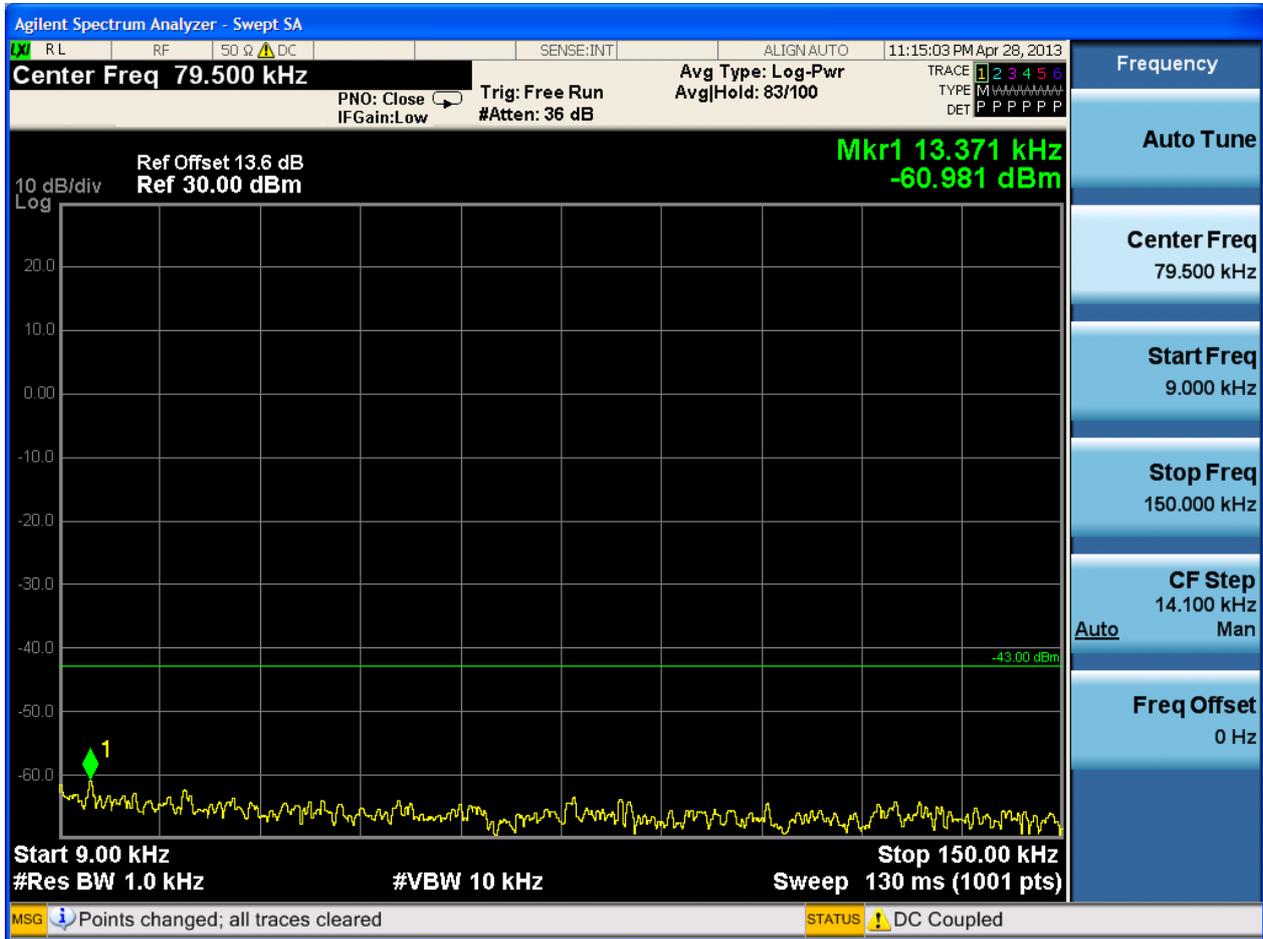


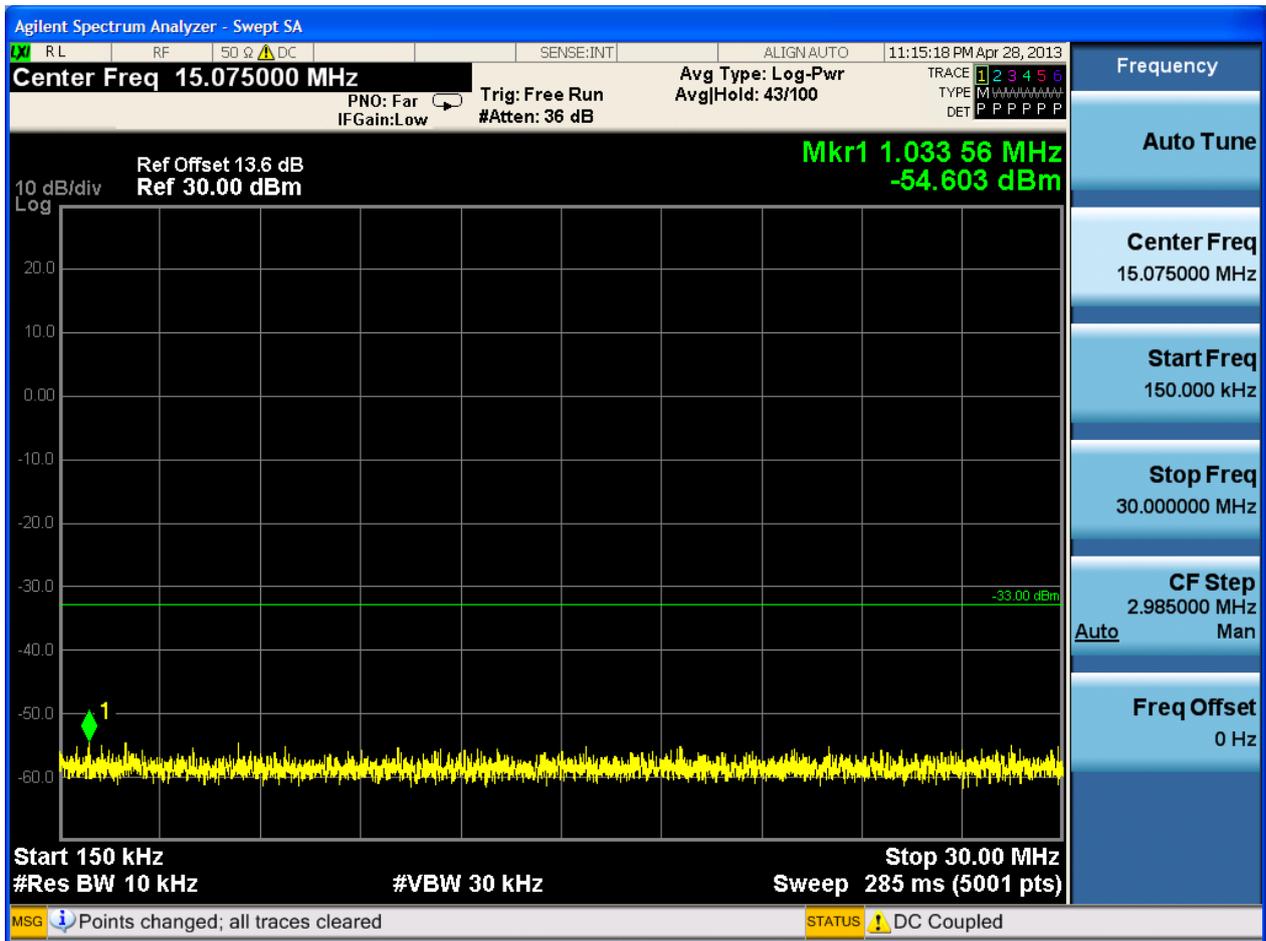


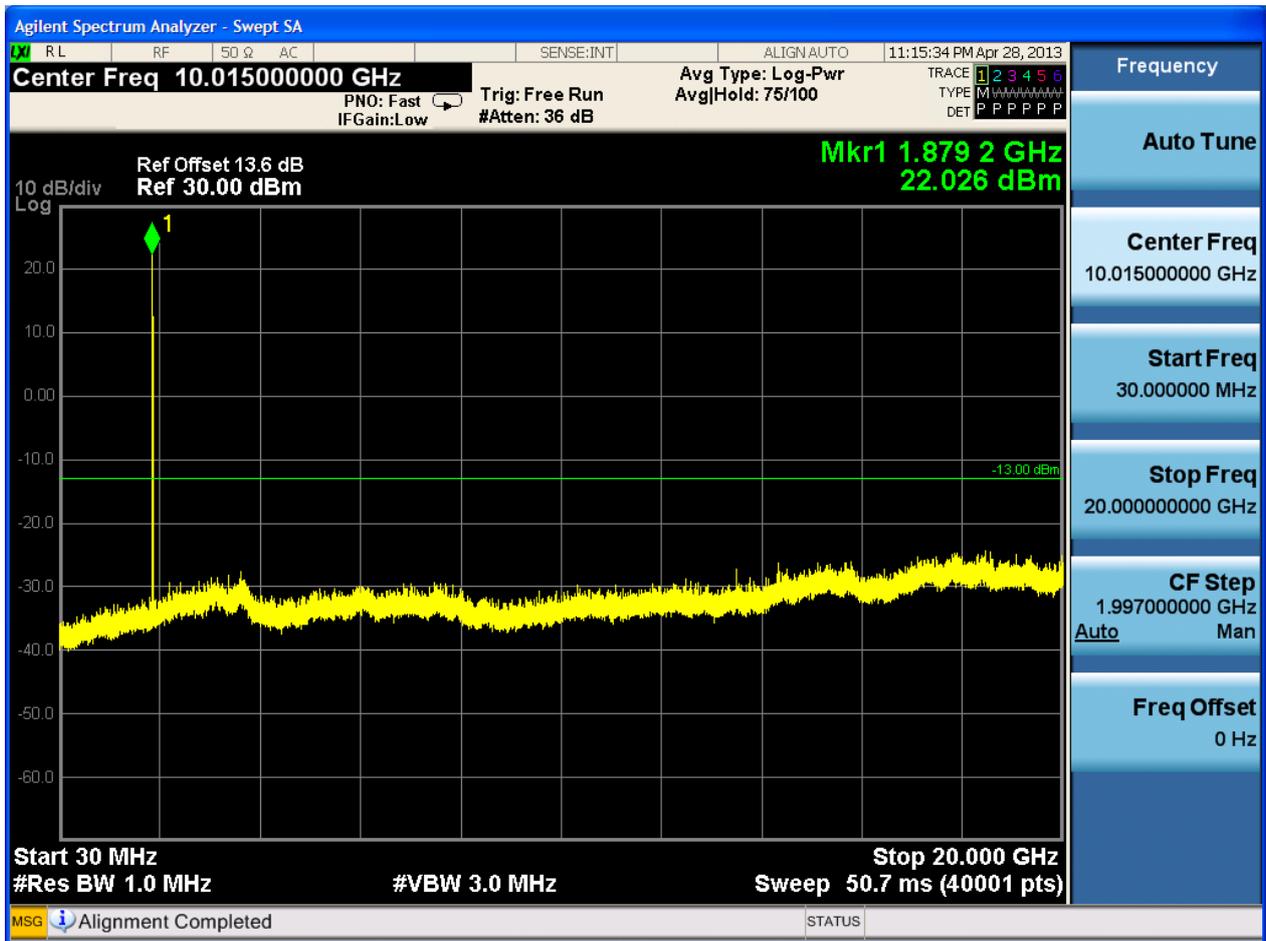




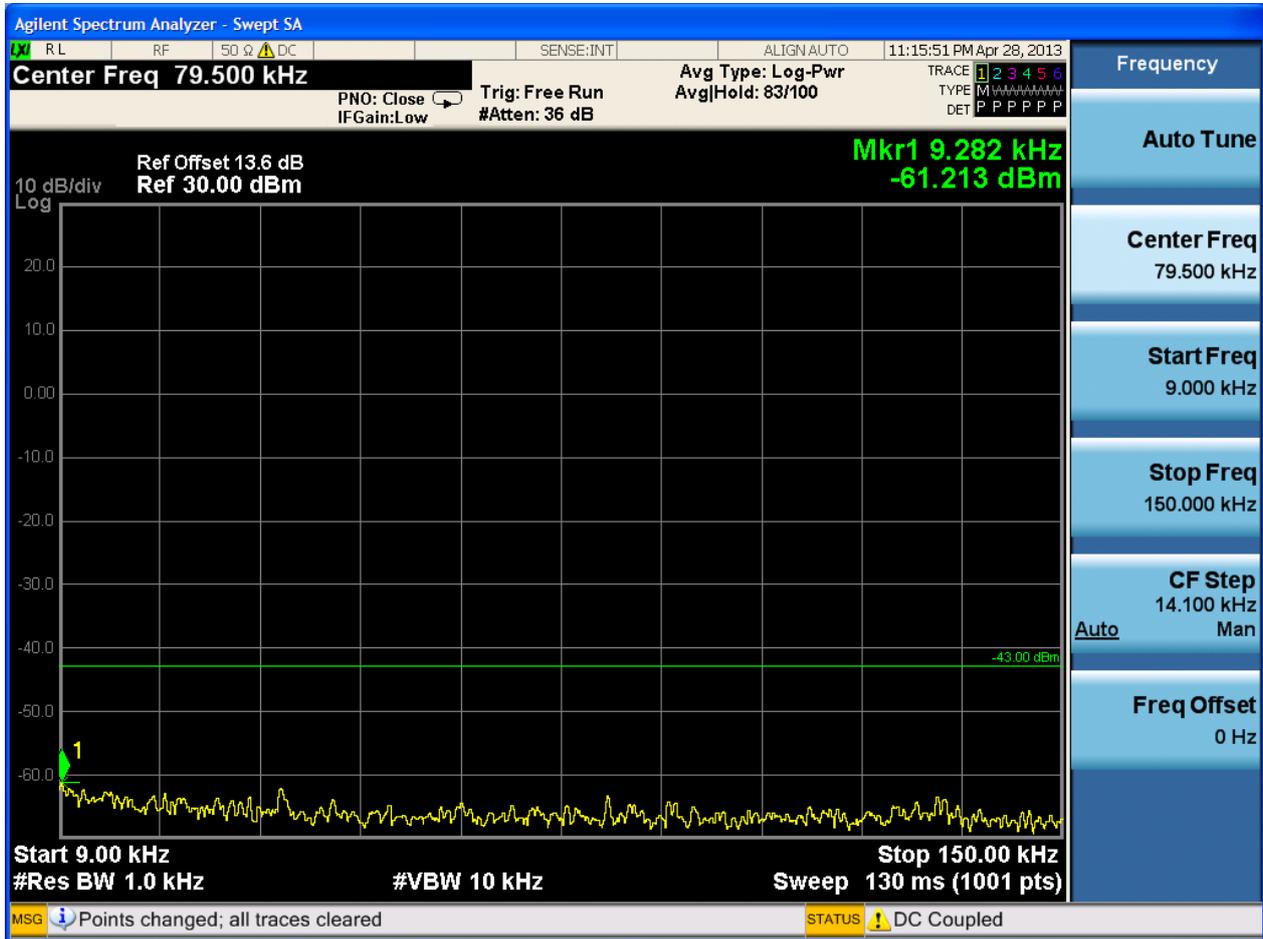
6.2.2.1.2 Test Channel = MCH

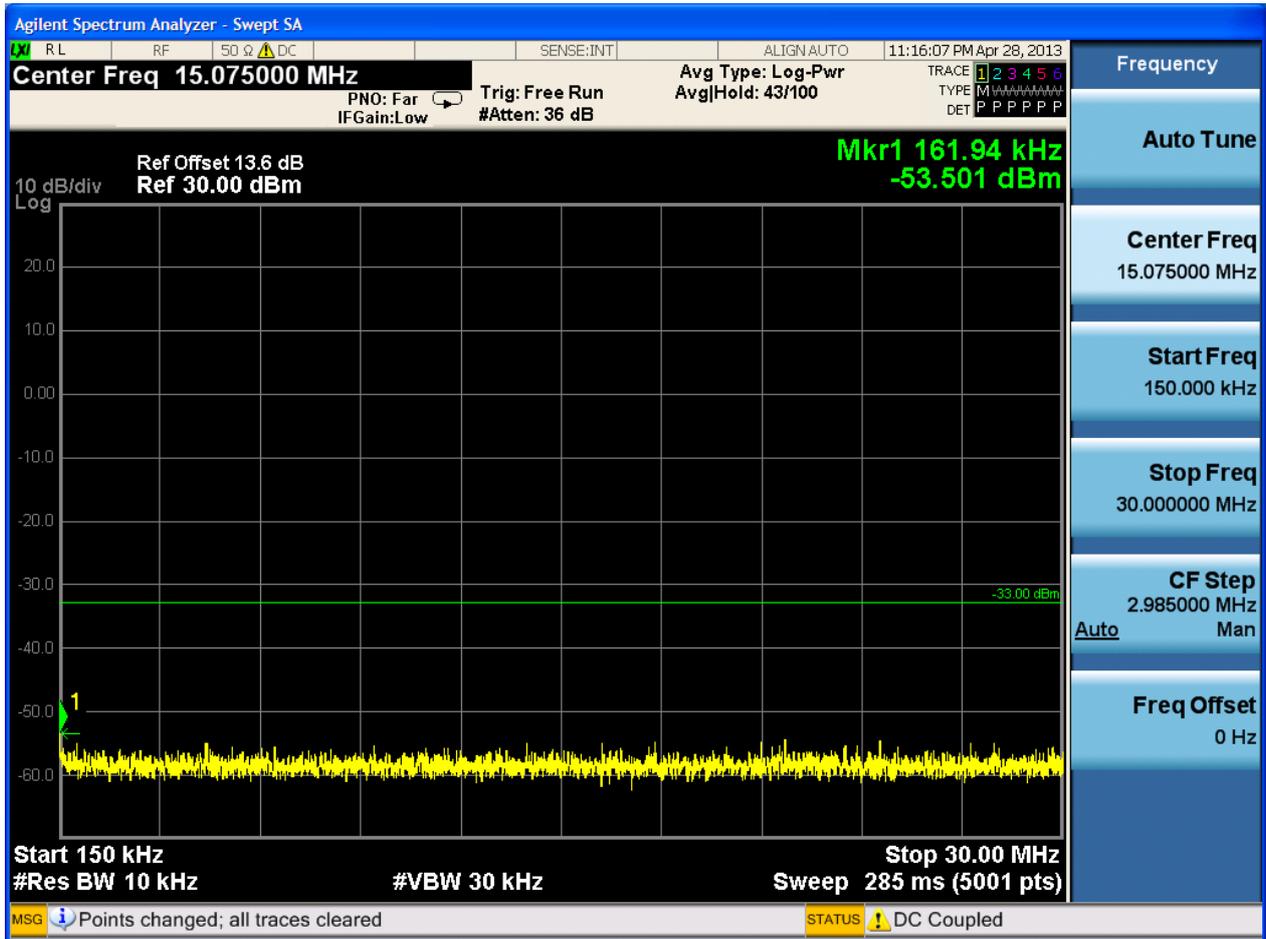






6.2.2.1.3 Test Channel = HCH







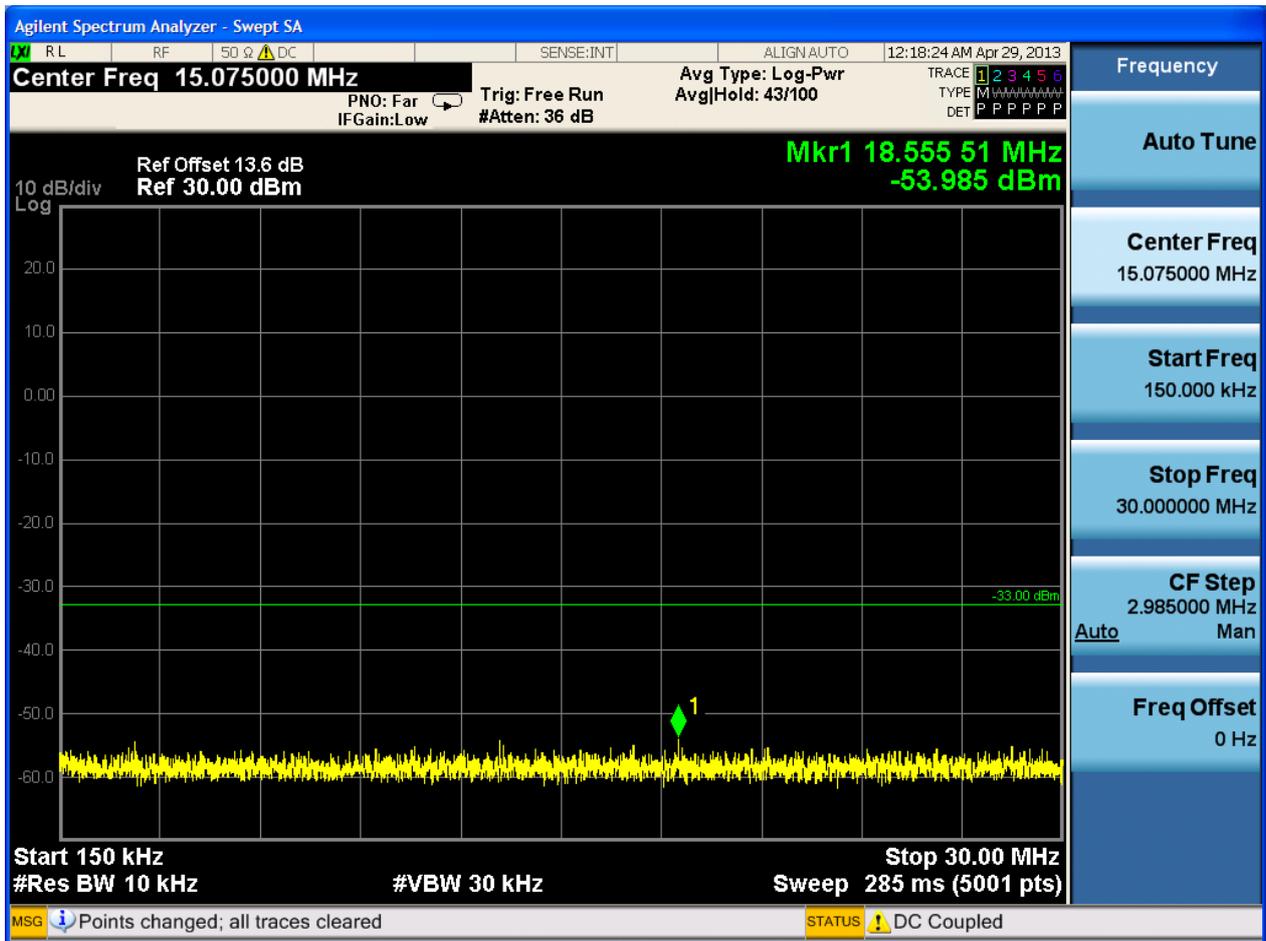


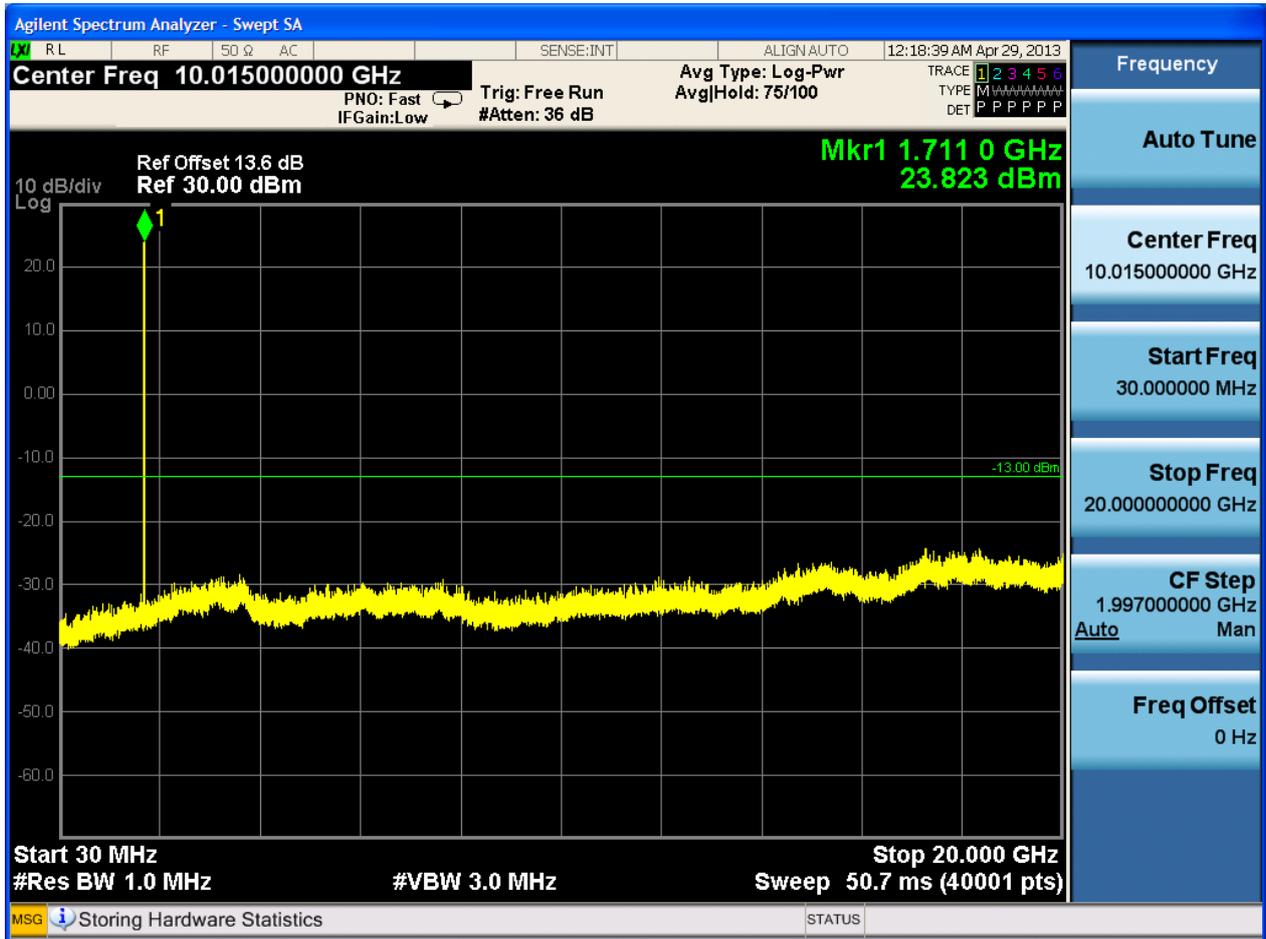
6.2.3 Test Band = WCDMA1700

6.2.3.1 Test Mode = UMTS/TM1

6.2.3.1.1 Test Channel = LCH



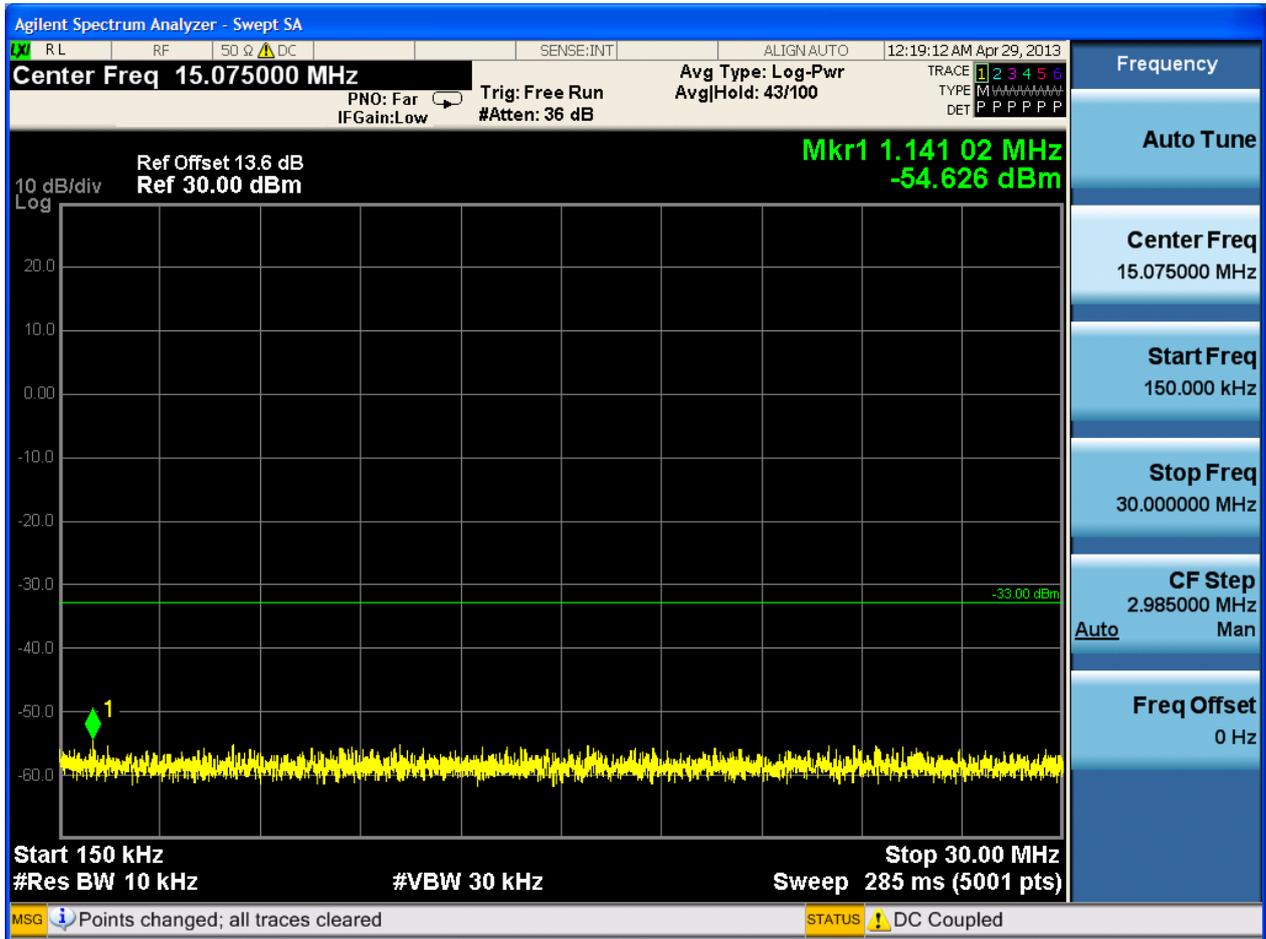


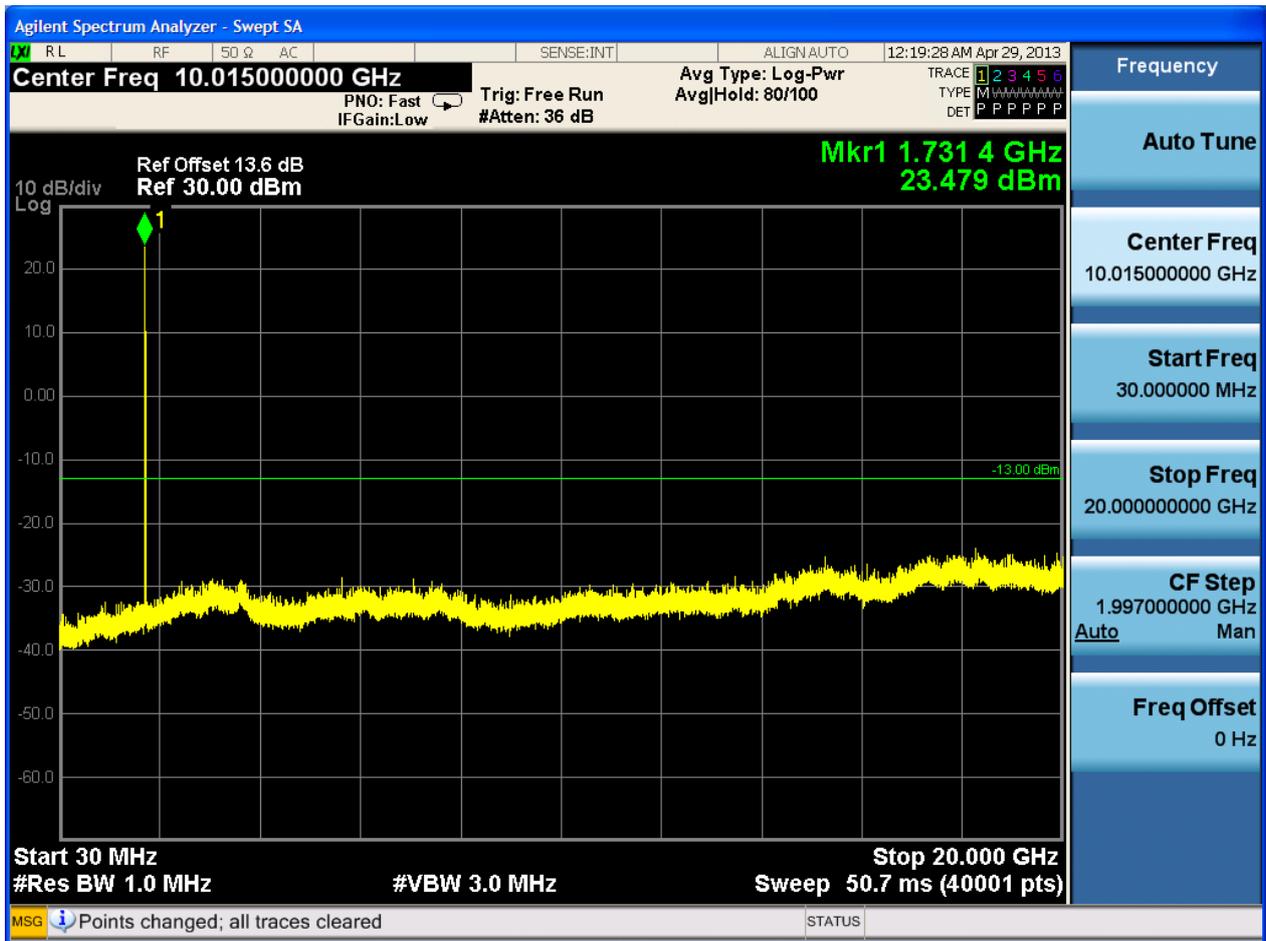




6.2.3.1.2 Test Channel = MCH

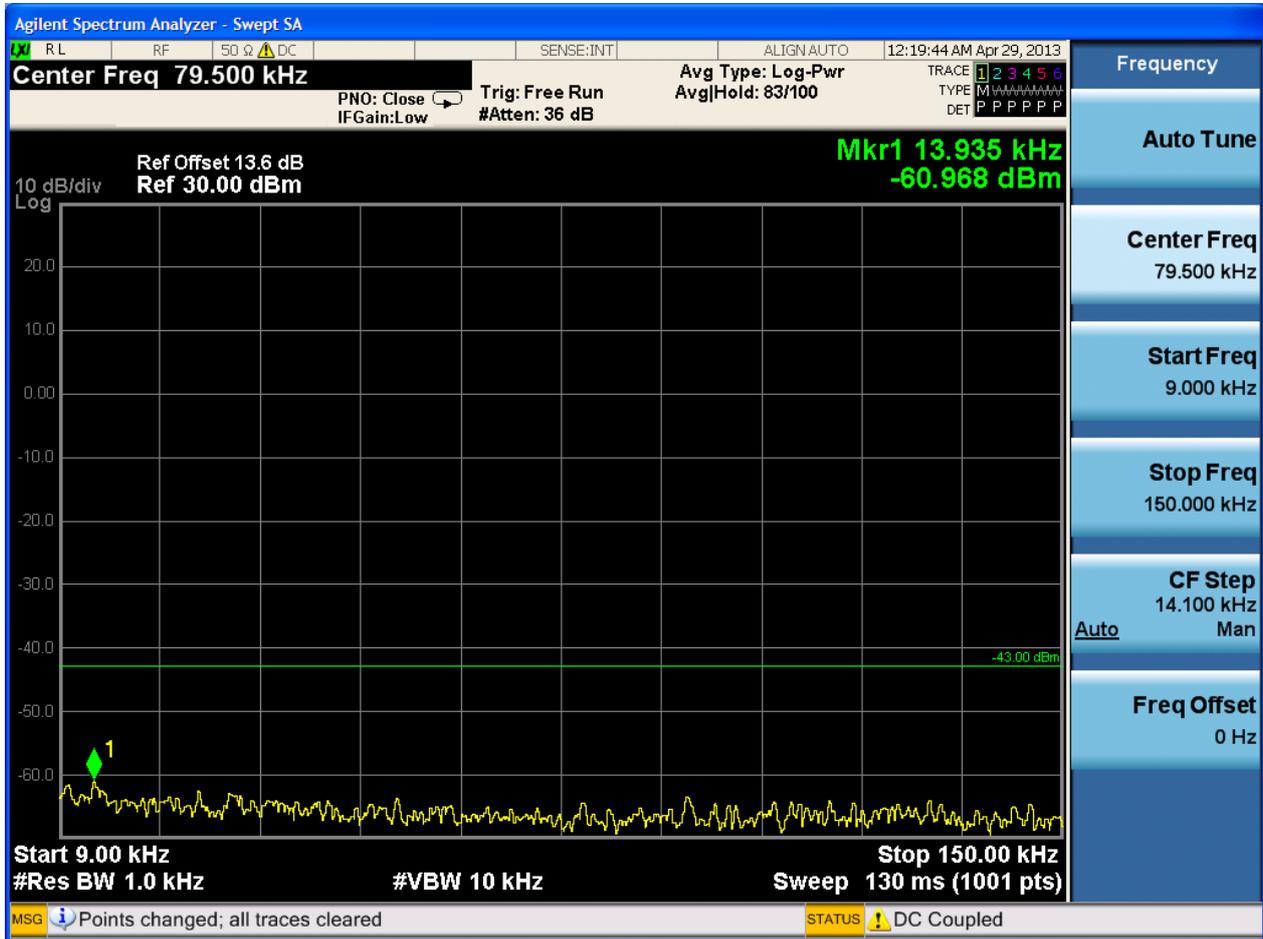


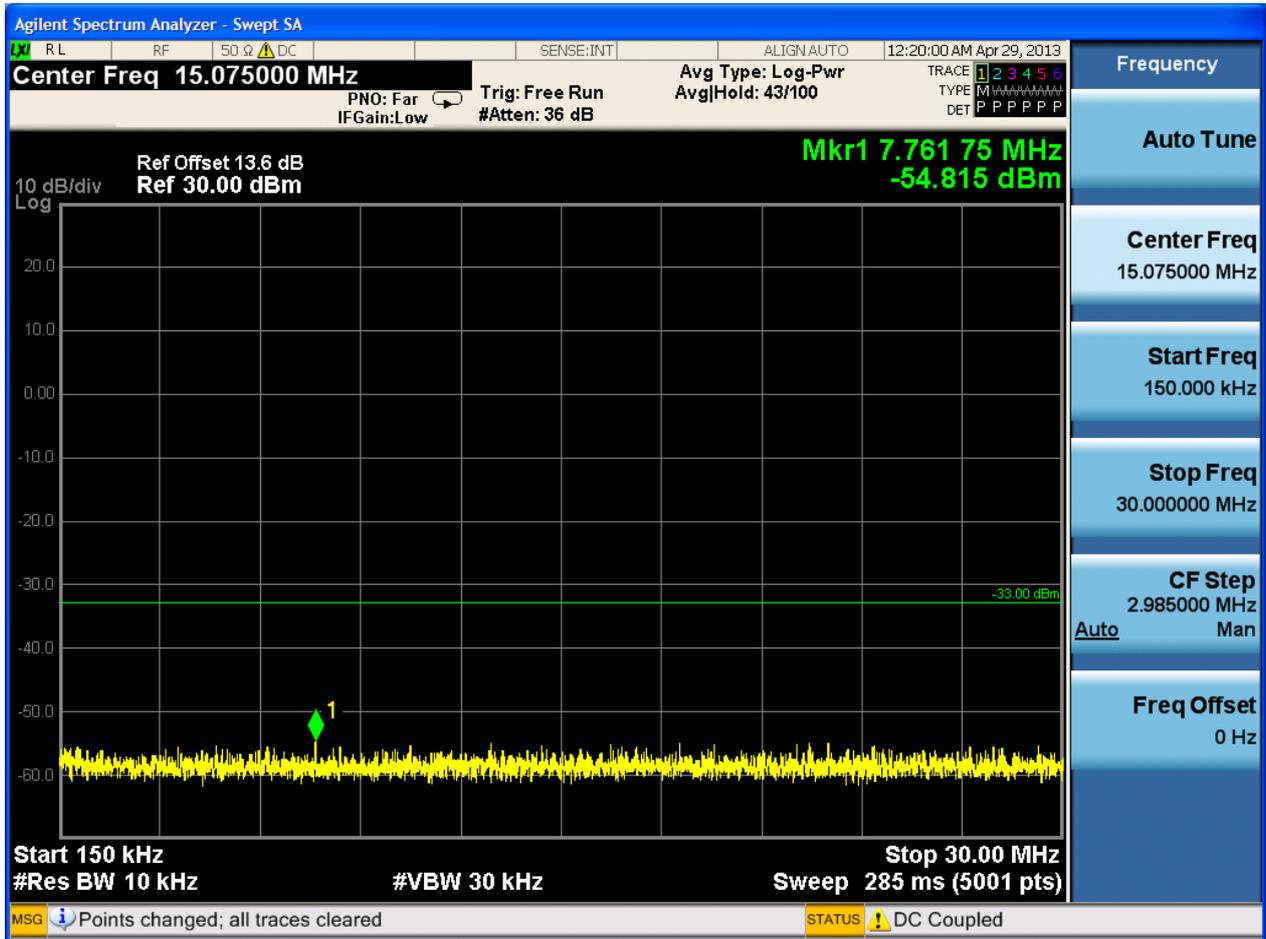


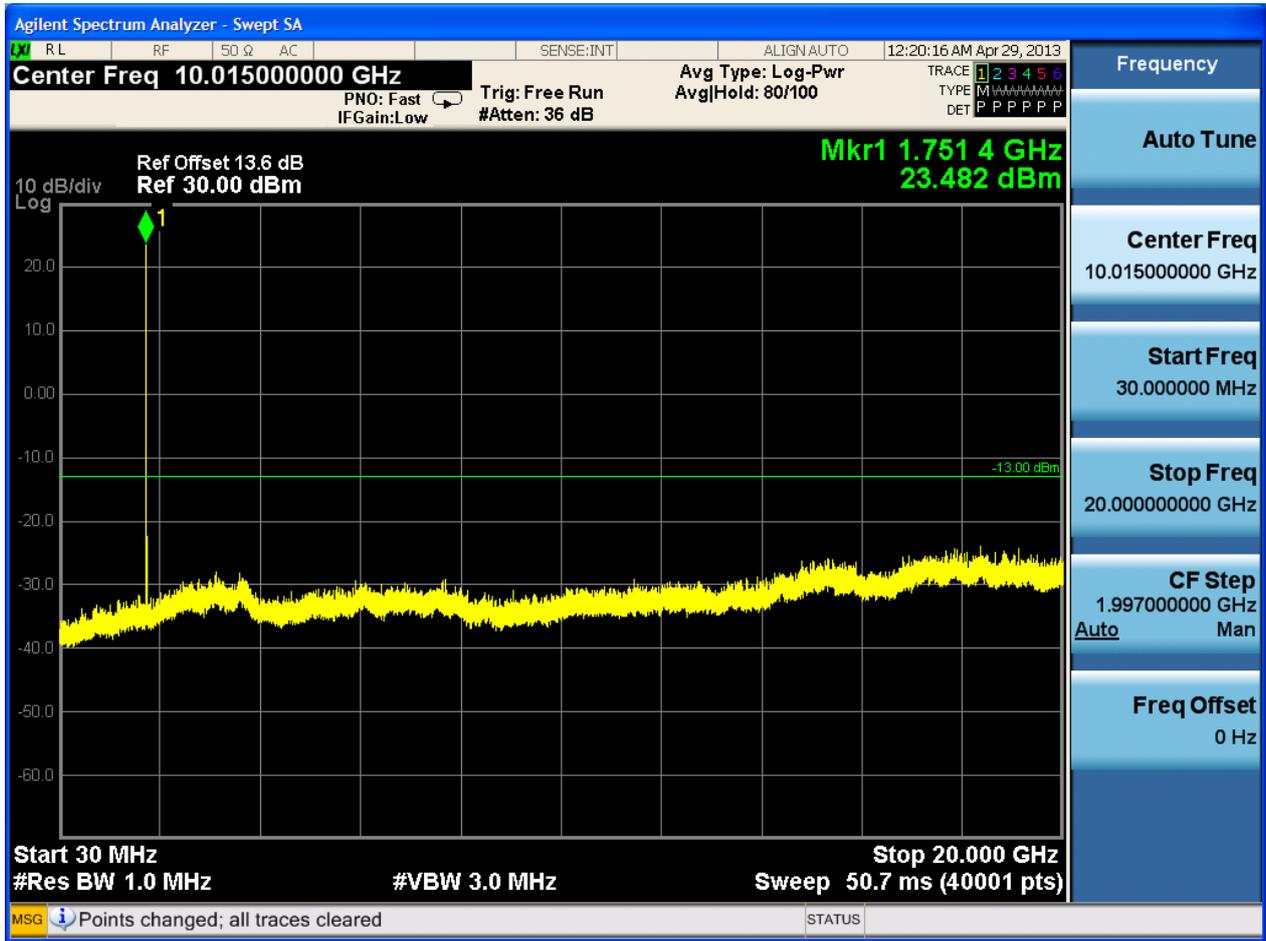




6.2.3.1.3 Test Channel = HCH







7Appendix_G: Field Strength of Spurious Radiation

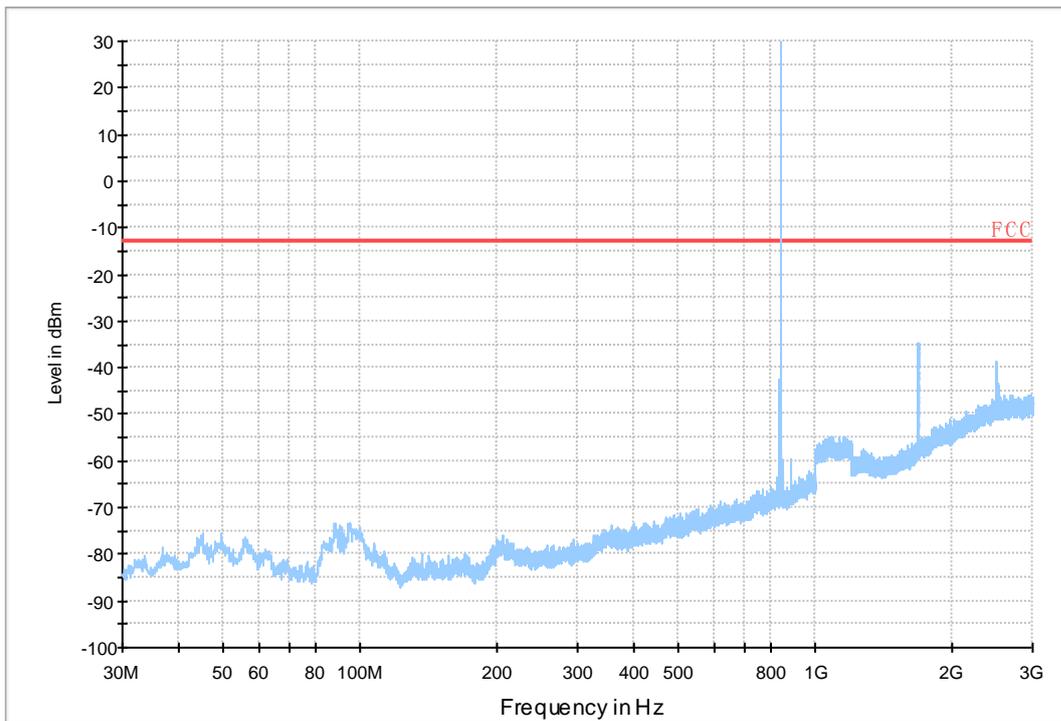
Part I - Test Plots

7.1 For GSM

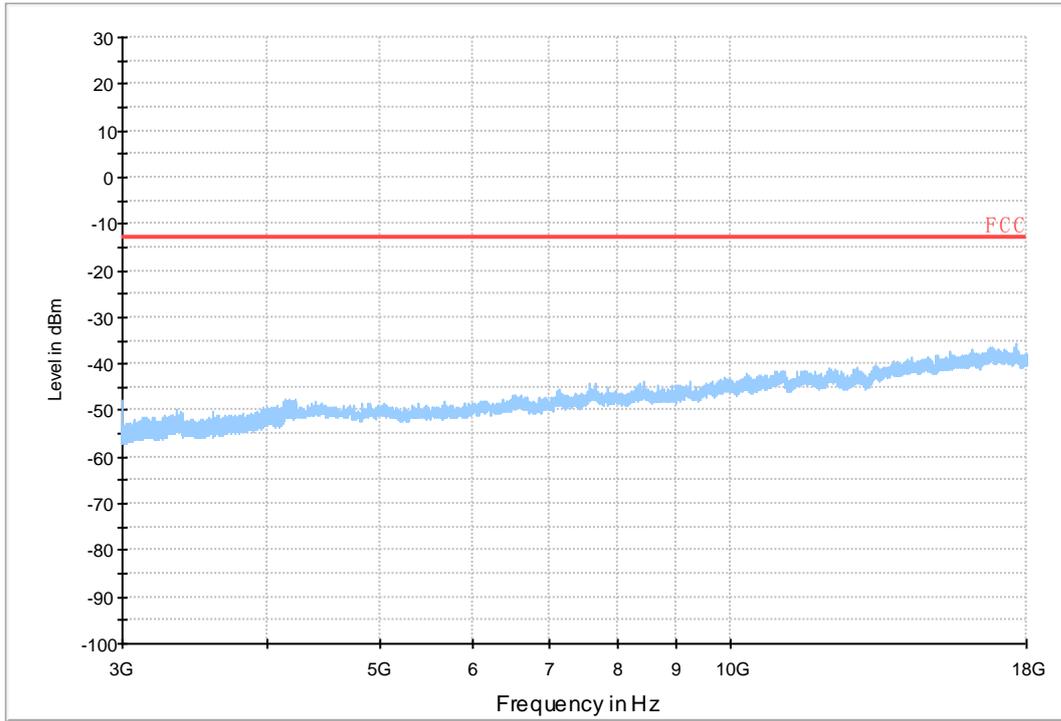
7.1.1 Test Band = GSM850

7.1.1.1 Test Mode = GSM/TM1

Copy of FCC PART 22 GSM850_L

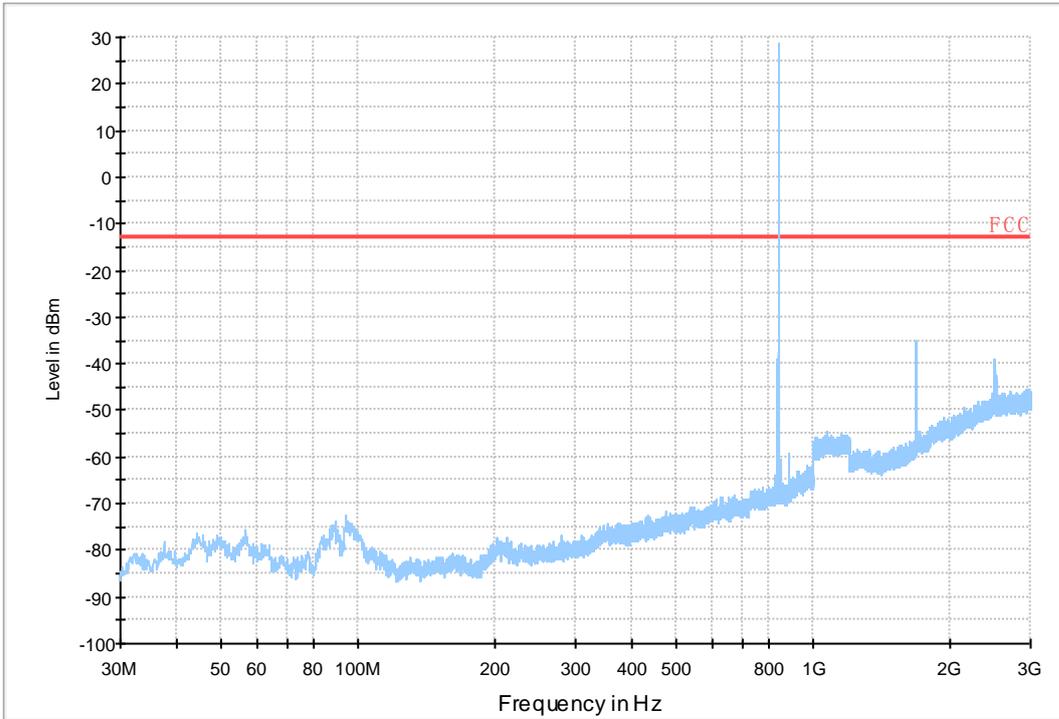


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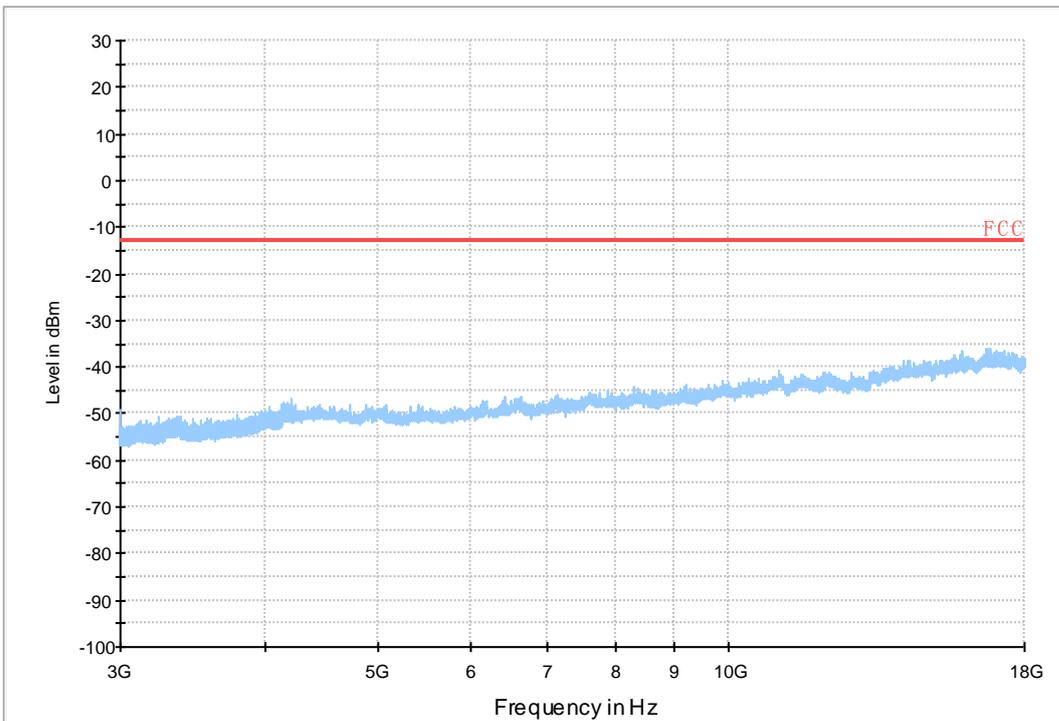


7.1.1.2 Test Mode = GSM/TM2

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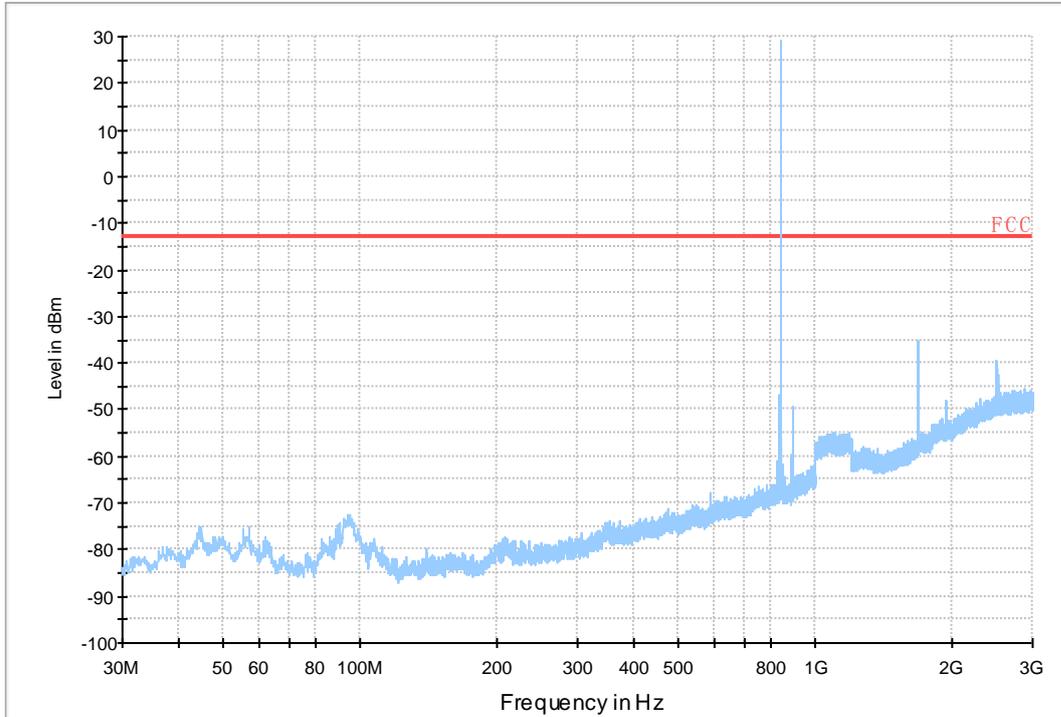


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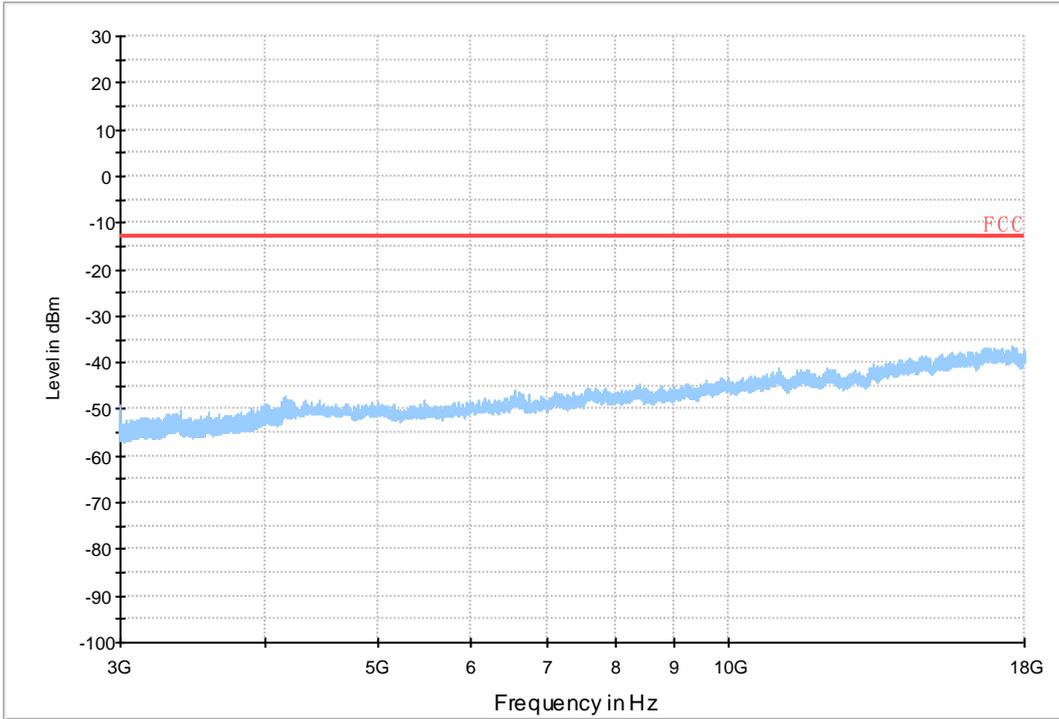


7.1.1.3 Test Mode = GSM/TM3

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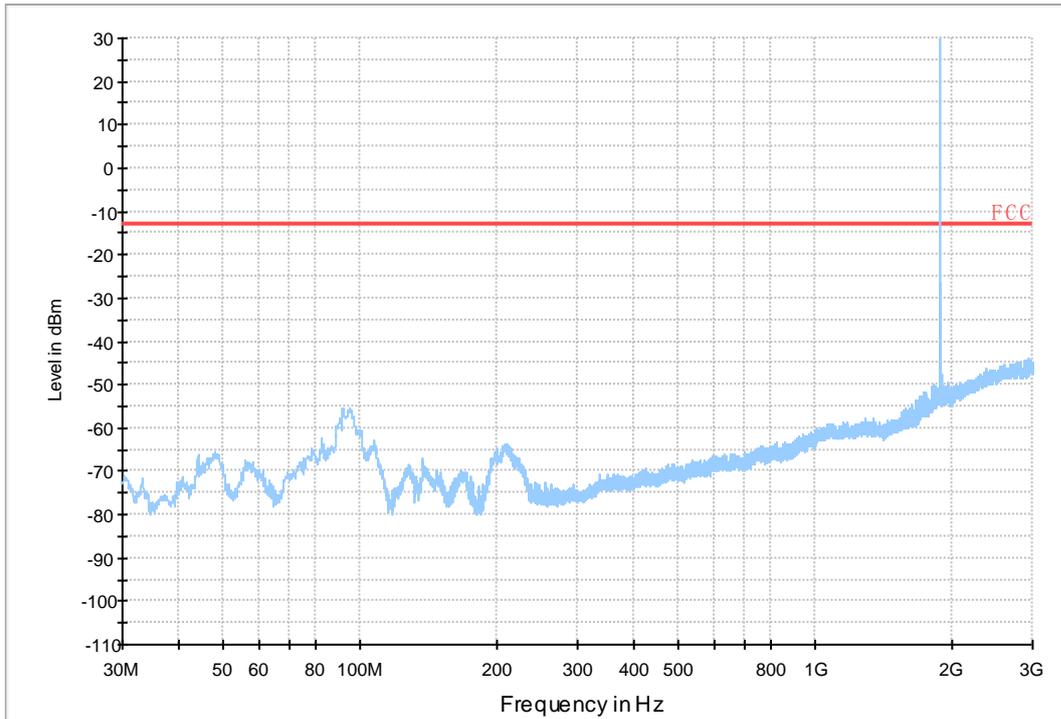
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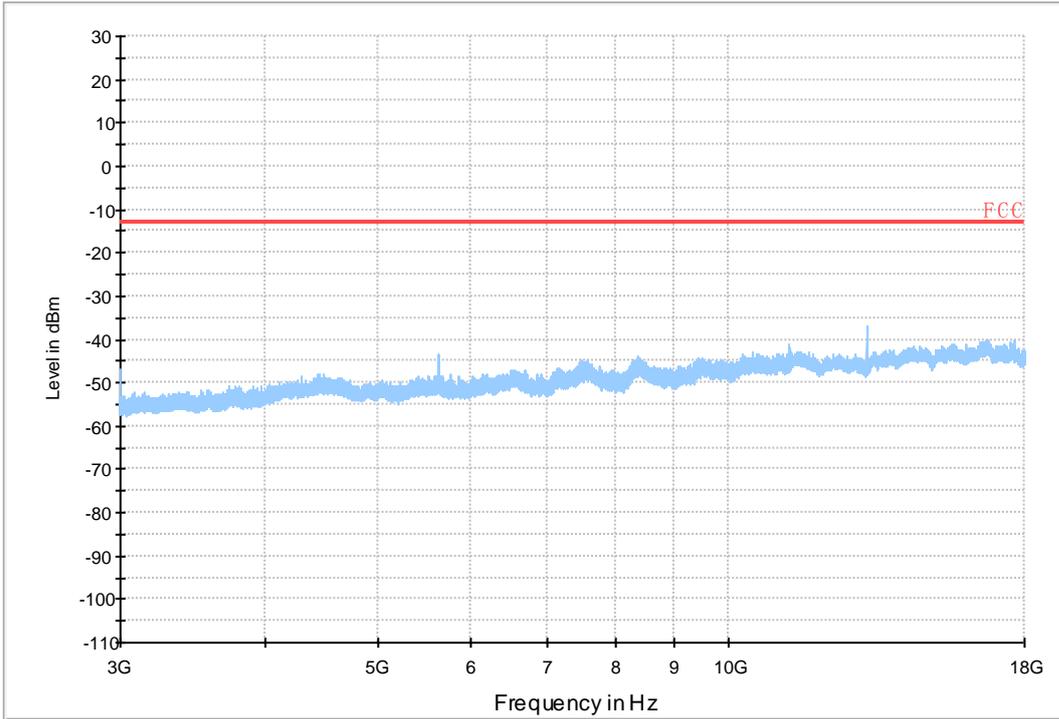
7.1.2 Test Band = GSM1900

7.1.2.1 Test Mode = GSM/TM1

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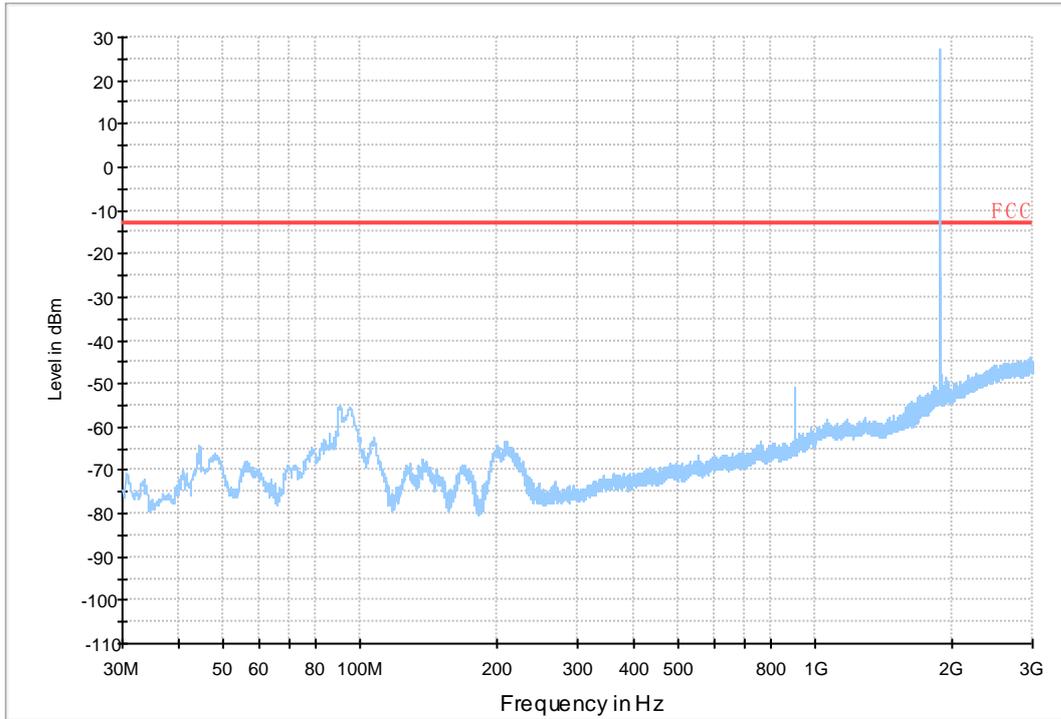


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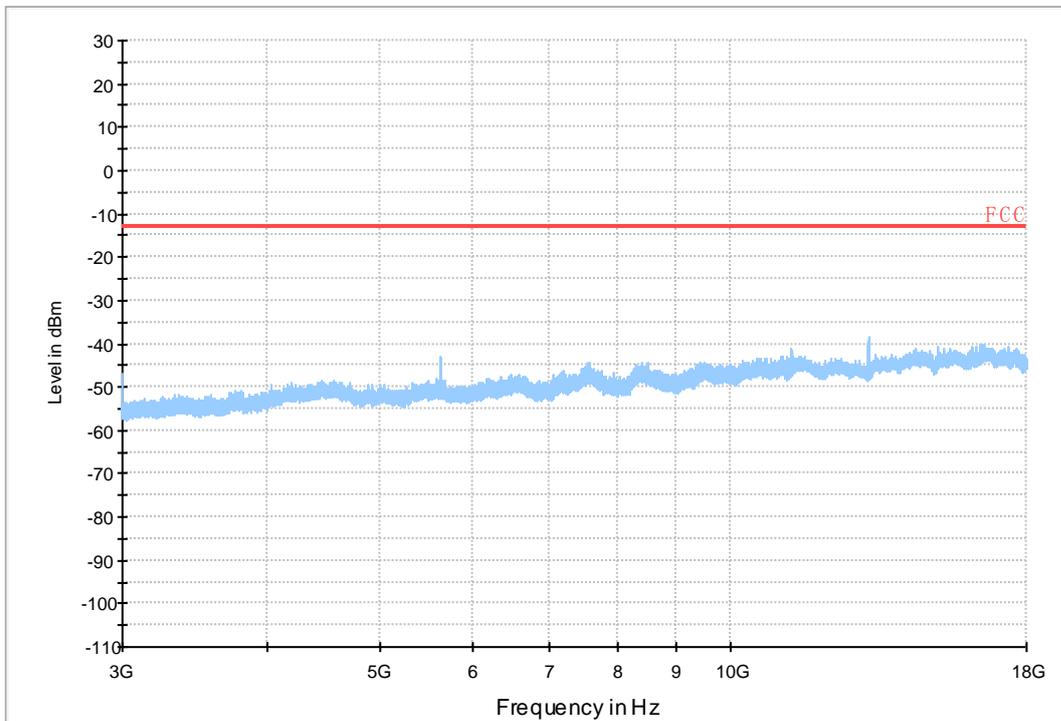


7.1.2.2 Test Mode = GSM/TM2

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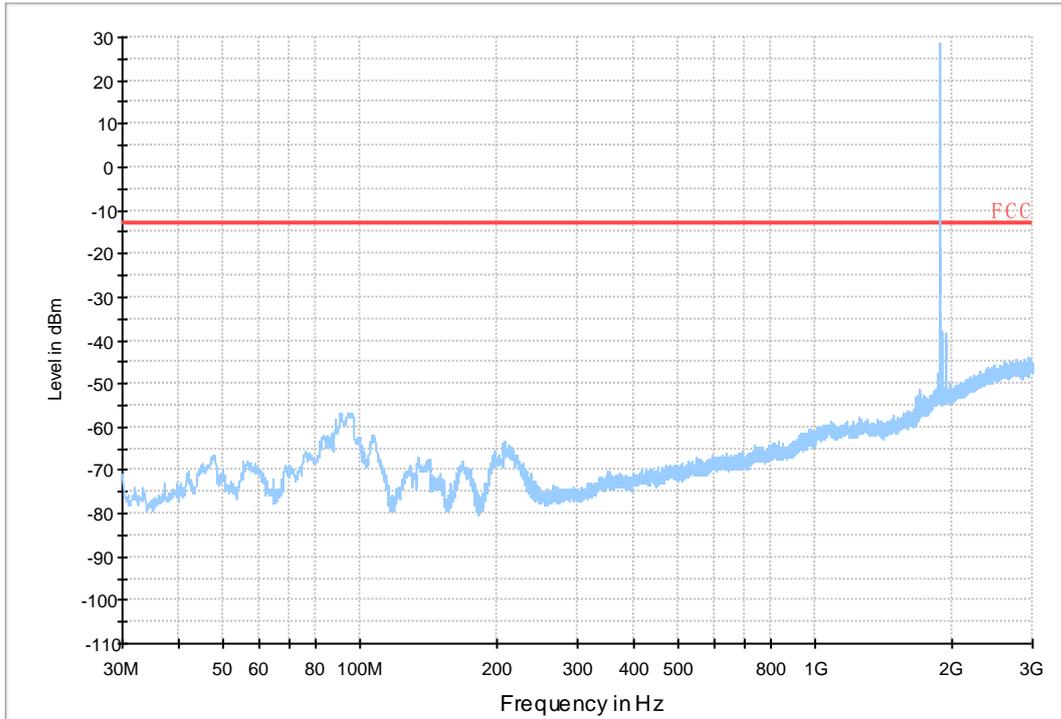


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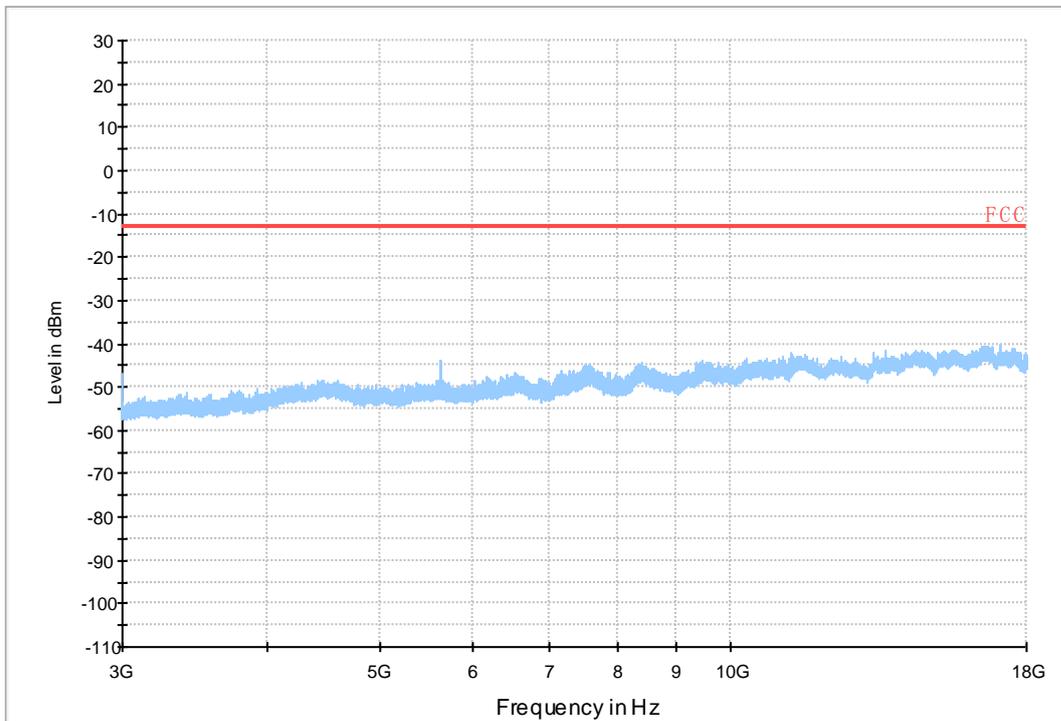


7.1.2.3 Test Mode = GSM/TM3

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Copy of FCC PART24 GSM1900_H

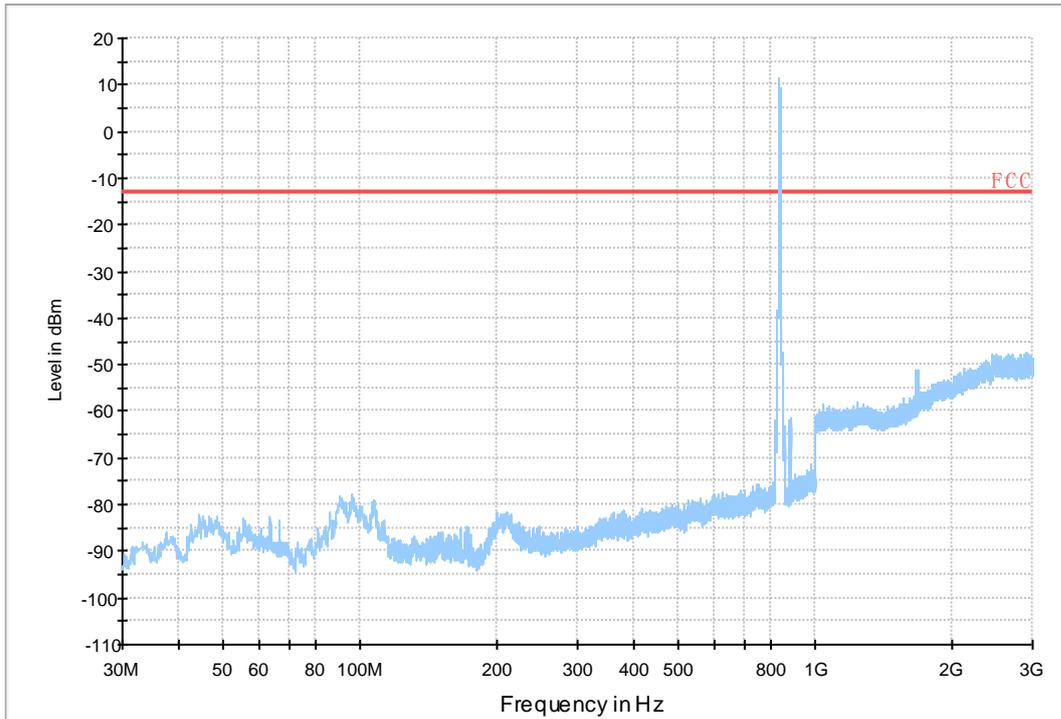


7.2 For UMTS

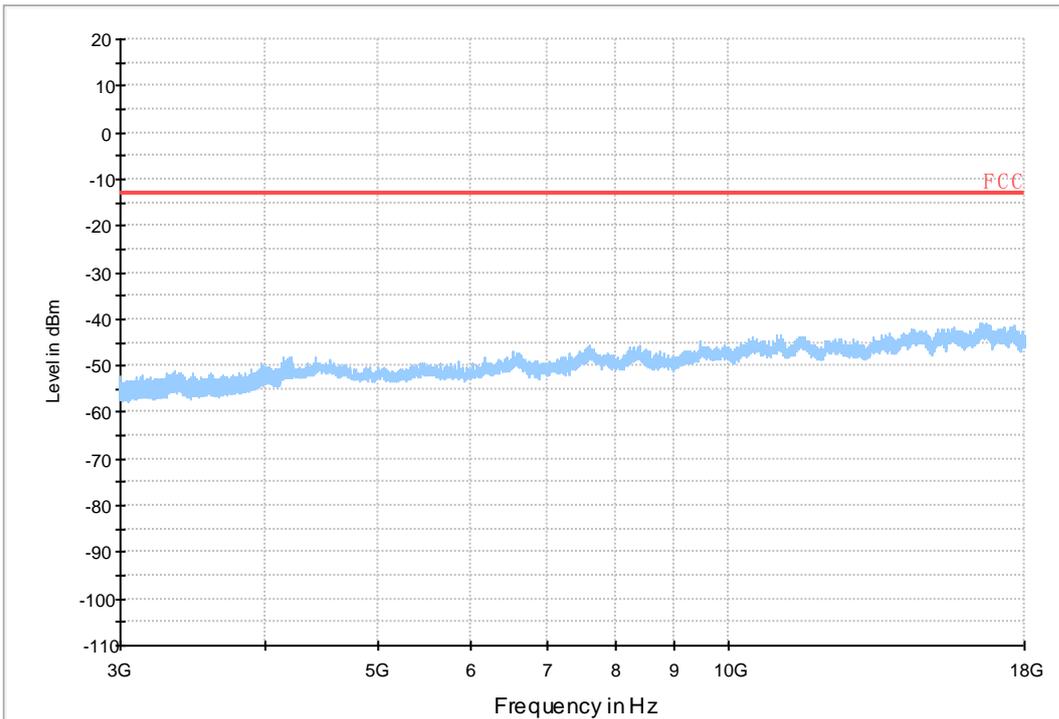
7.2.1 Test Band = WCDMA850

7.2.1.1 Test Mode = UMTS/TM1

Copy of FCC PART22 WCDMA850_L

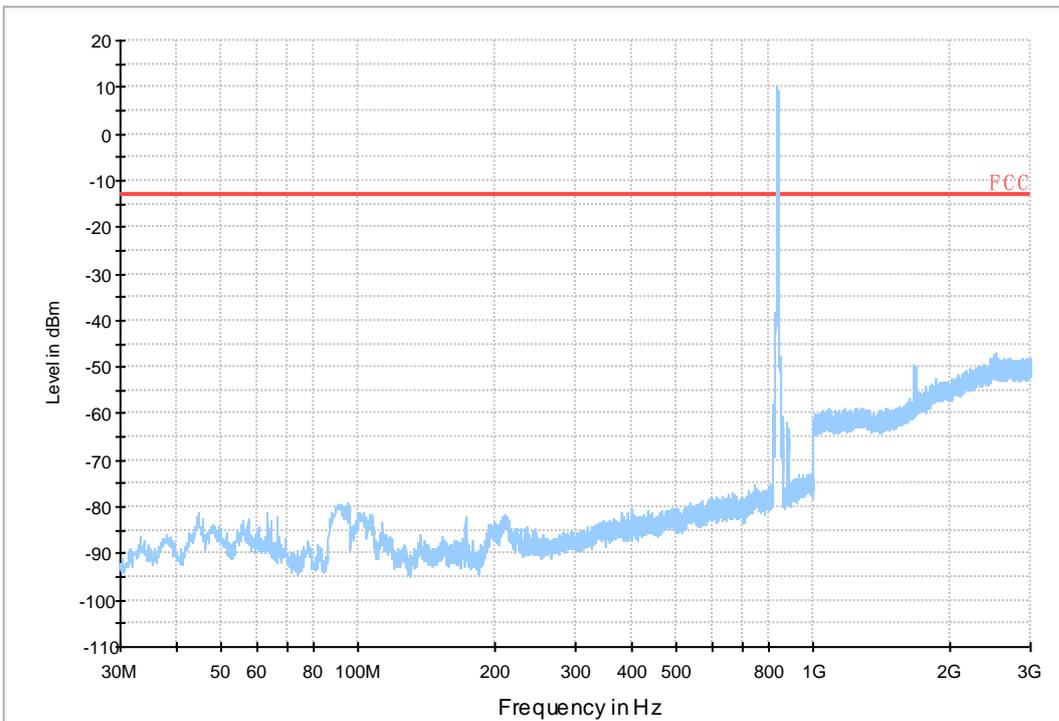


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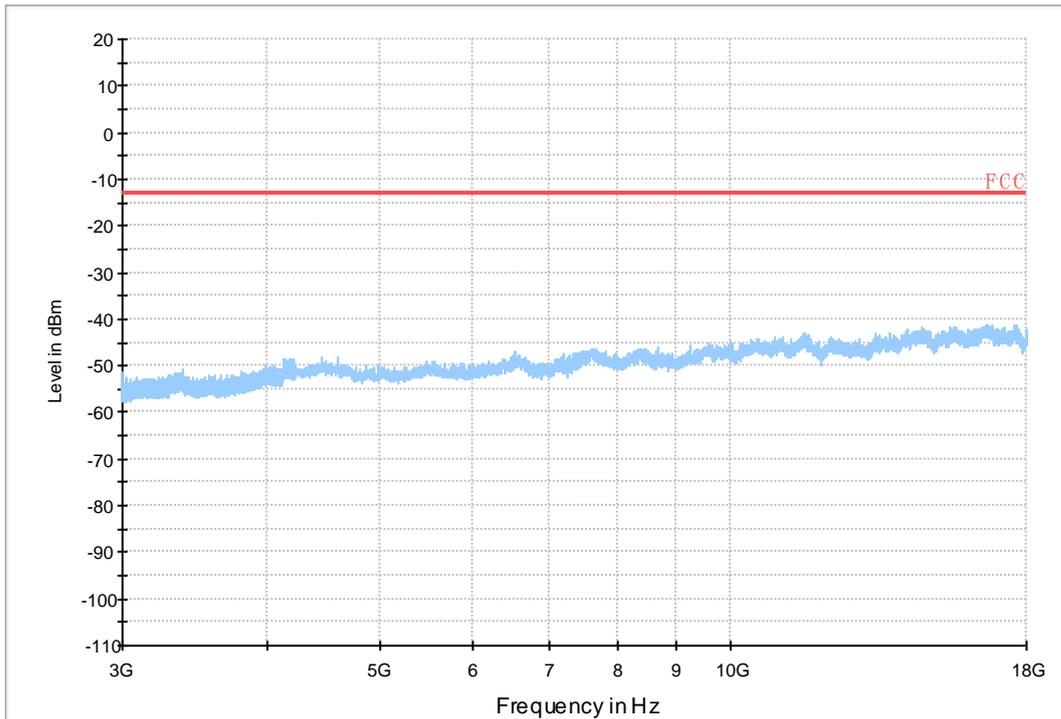


7.2.1.2 Test Mode = UMTS/TM2

Copy of FCC PART22 WCDMA850_L

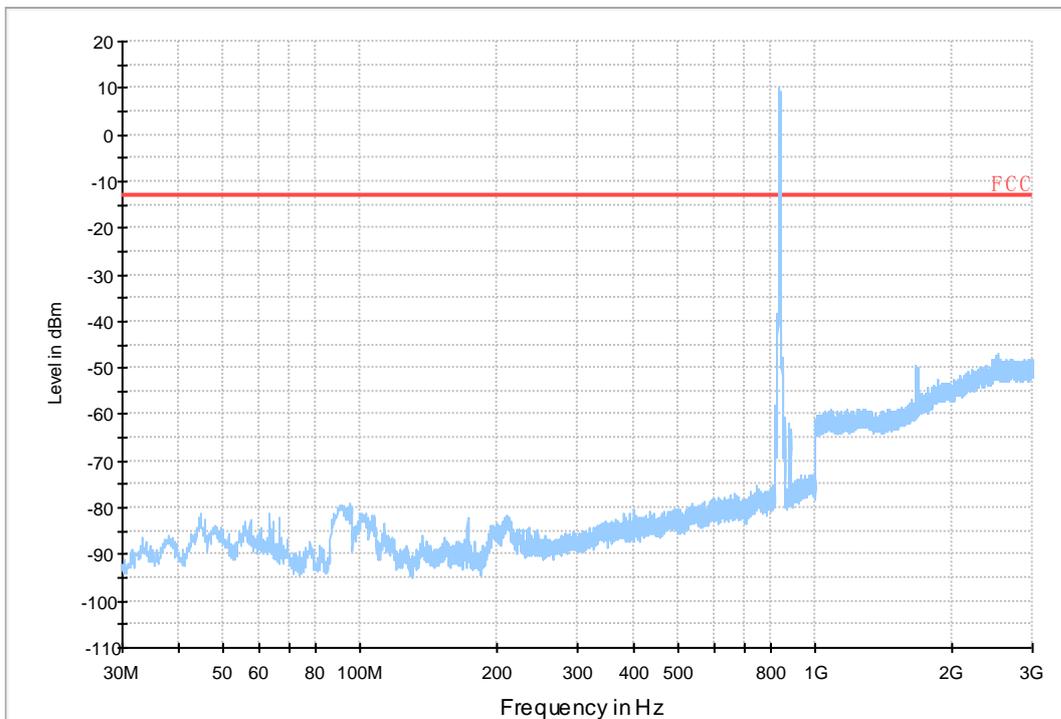


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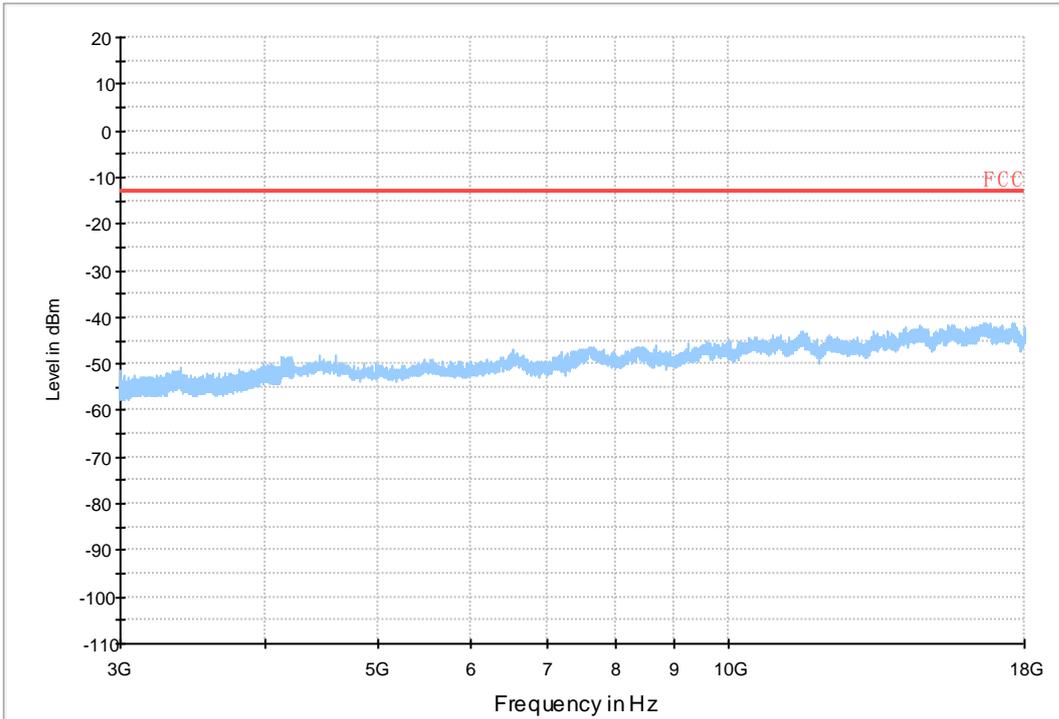


7.2.1.3 Test Mode = UMTS/TM3

Copy of FCC PART22 WCDMA850_L



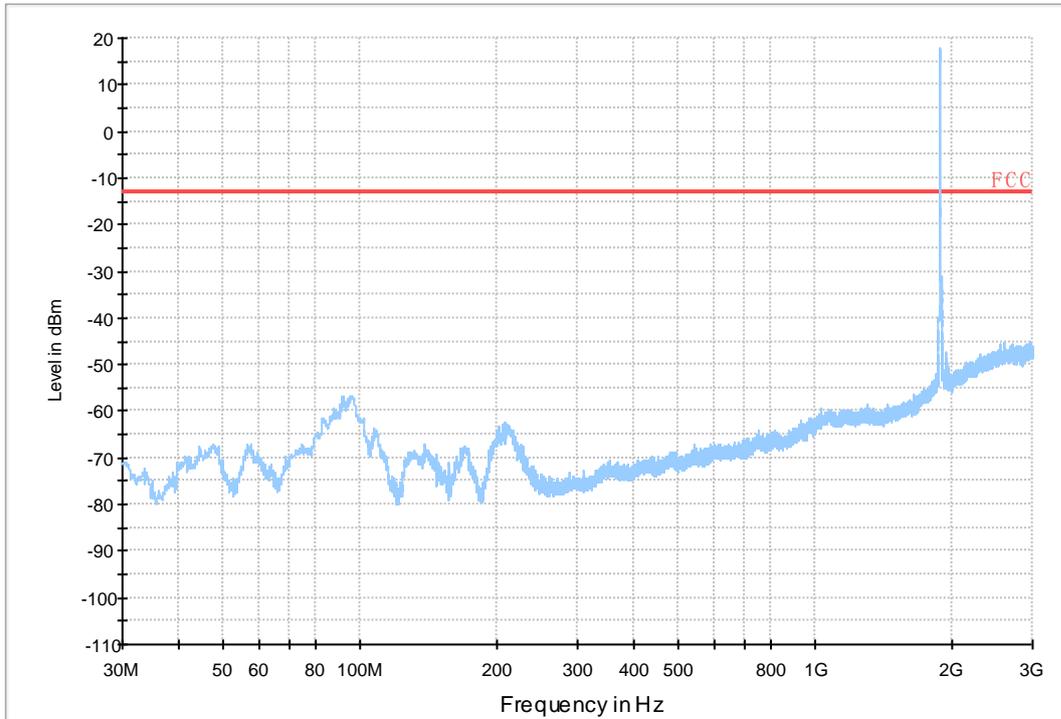
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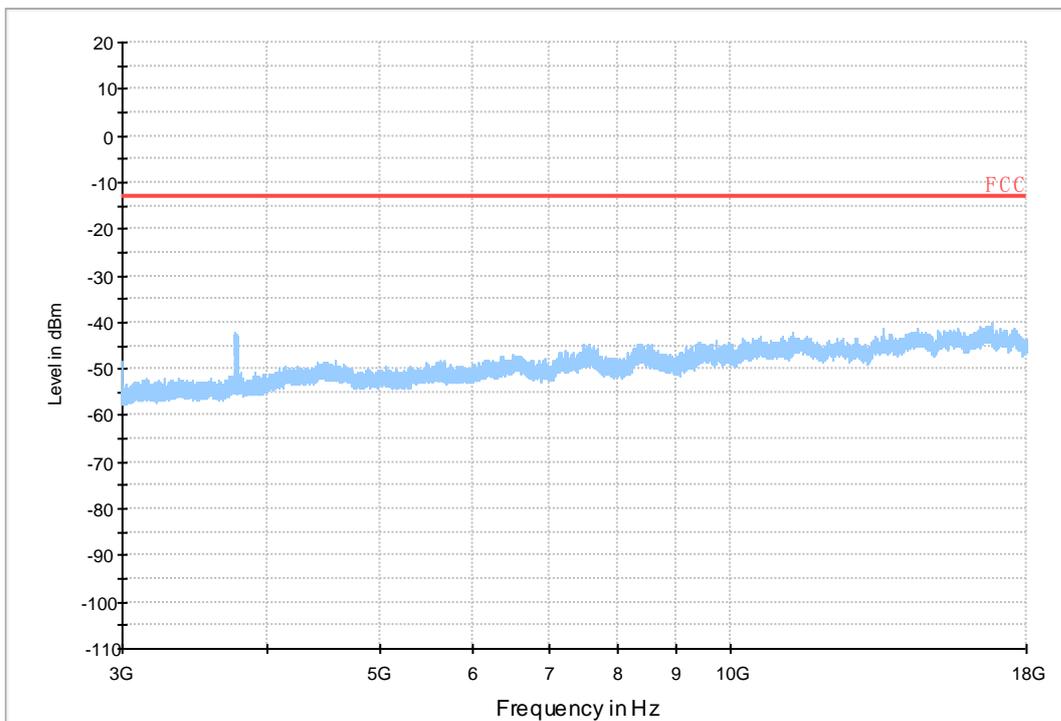
7.2.2 Test Band = WCDMA1900

7.2.2.1 Test Mode = UMTS/TM1

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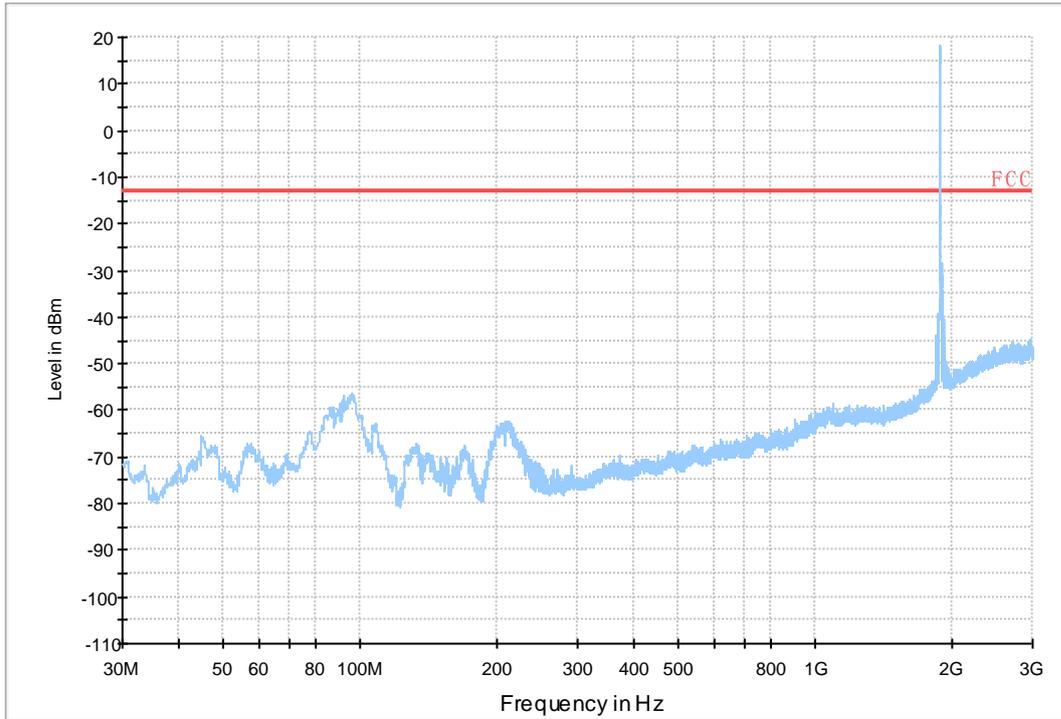


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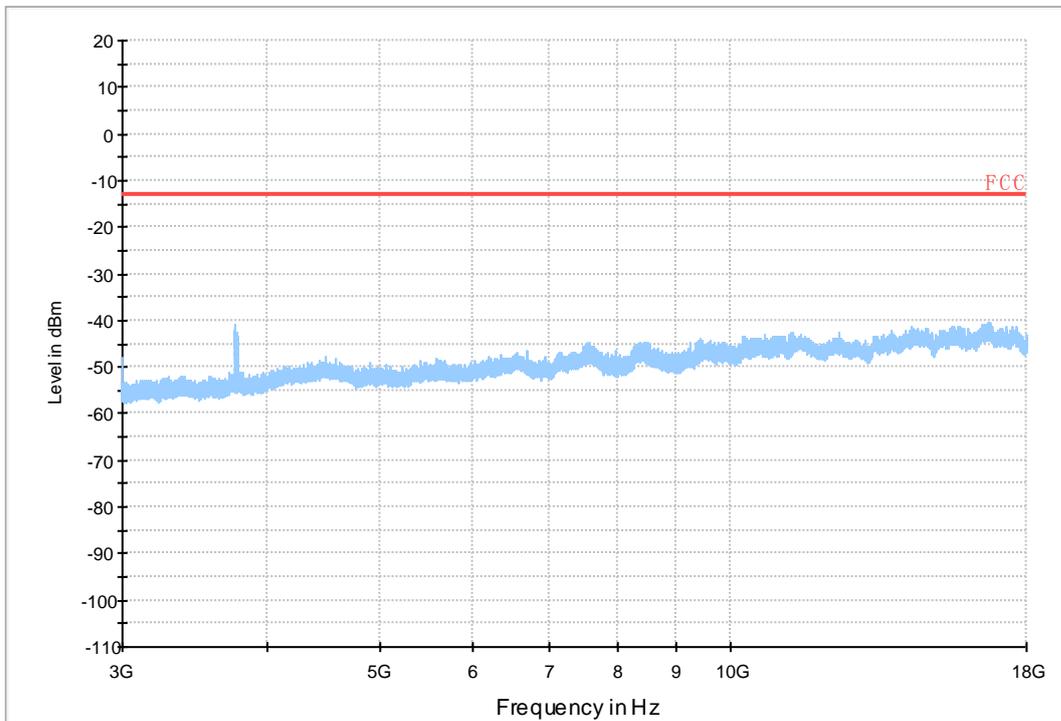


7.2.2.2 Test Mode = UMTS/TM2

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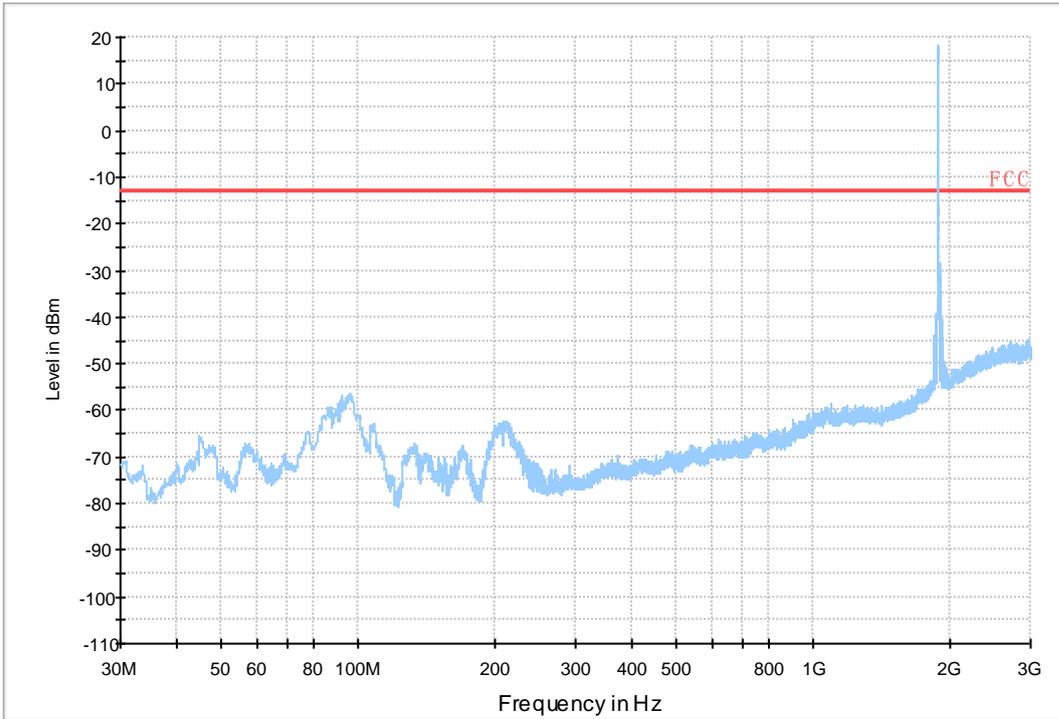


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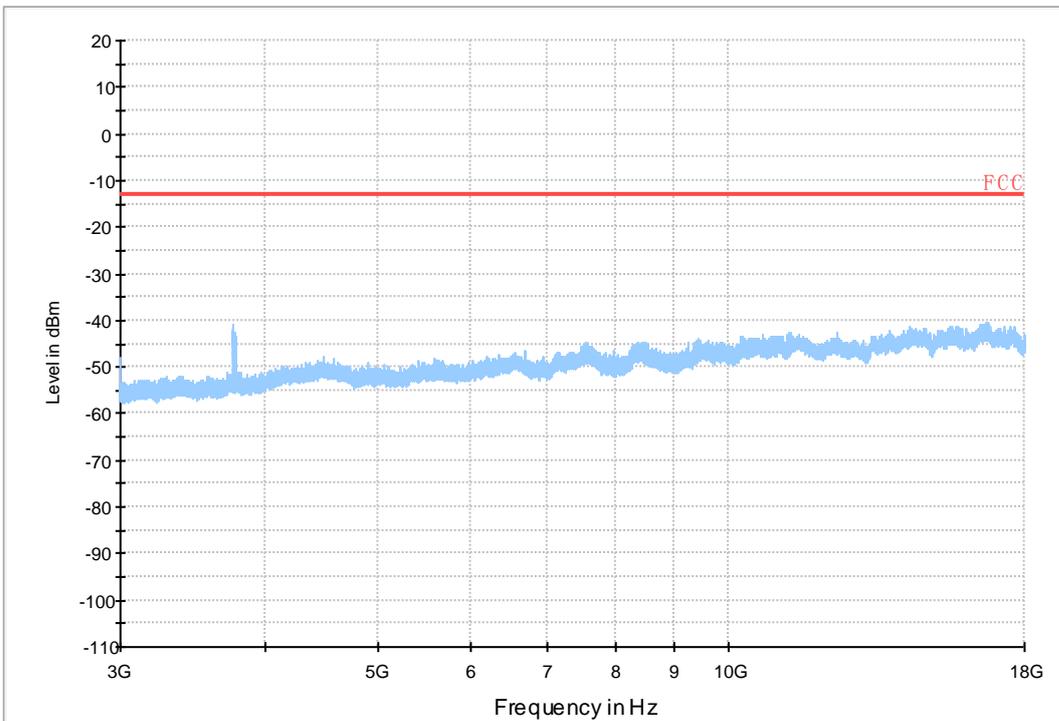


7.2.2.3 Test Mode = UMTS/TM3

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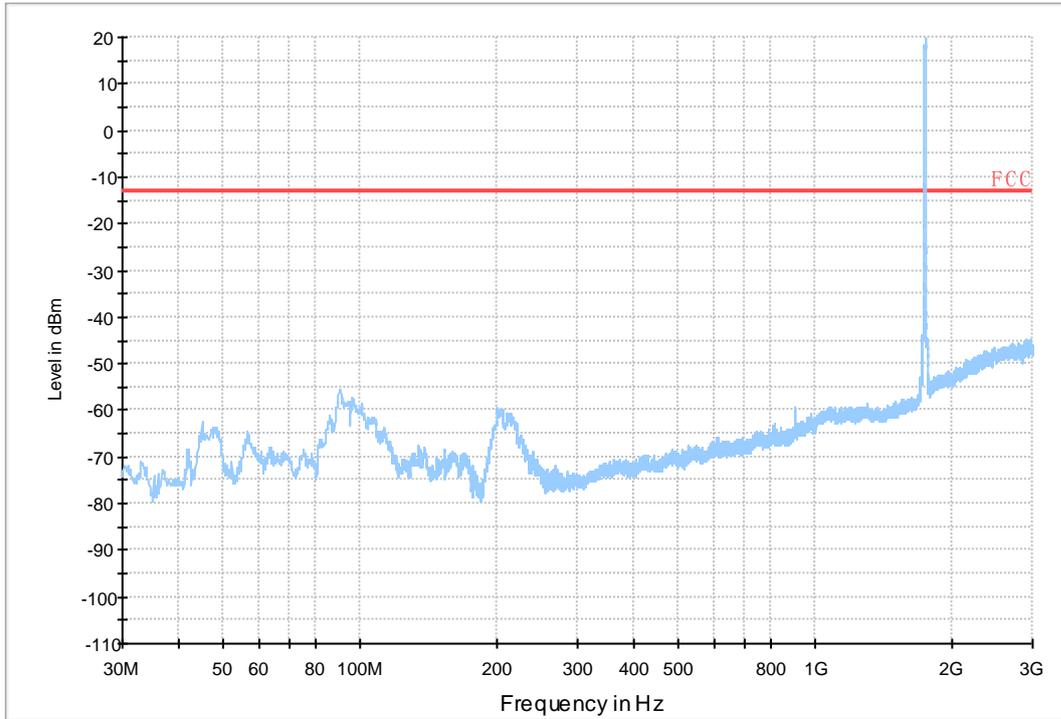
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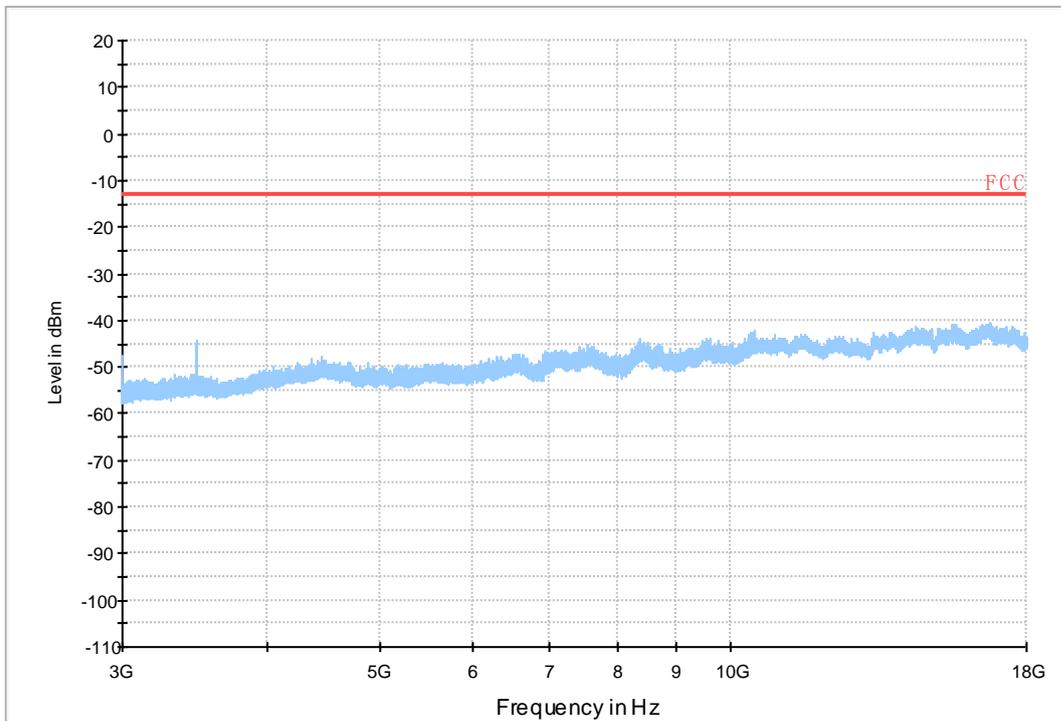
7.2.3 Test Band = WCDMA1700

7.2.3.1 Test Mode = UMTS/TM1

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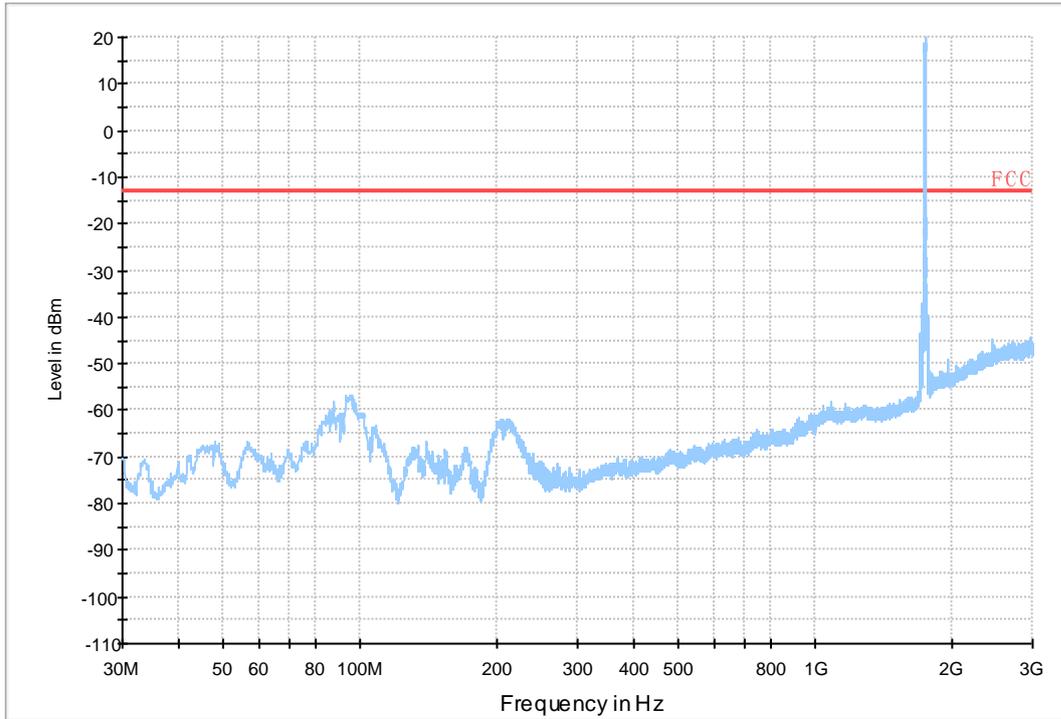


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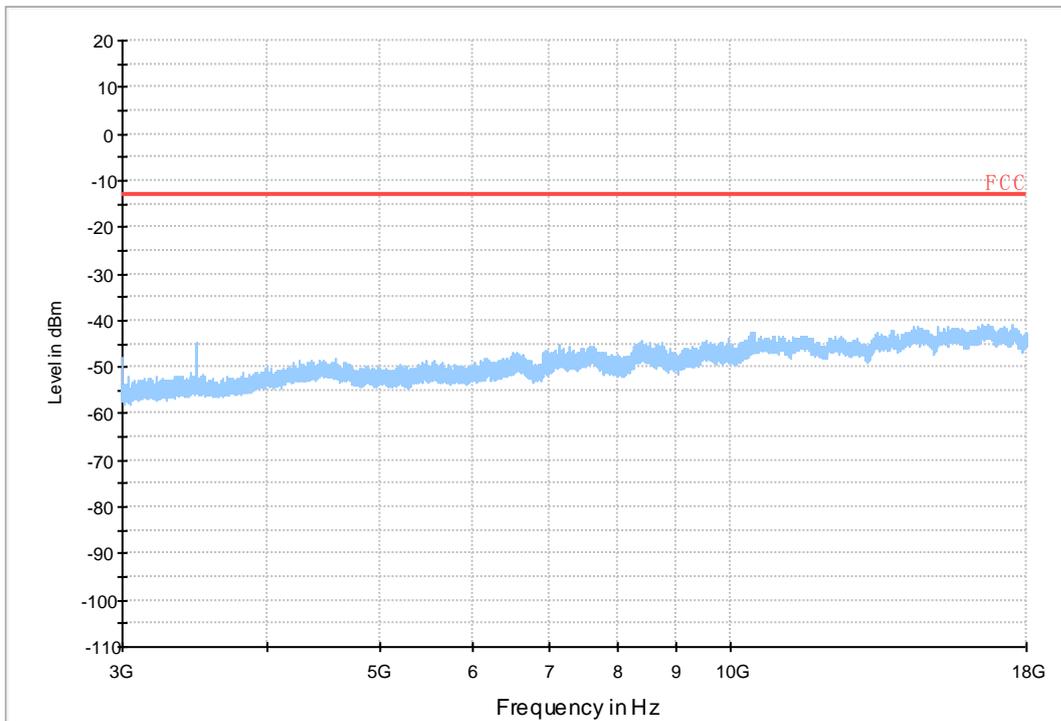


7.2.3.2 Test Mode = UMTS/TM2

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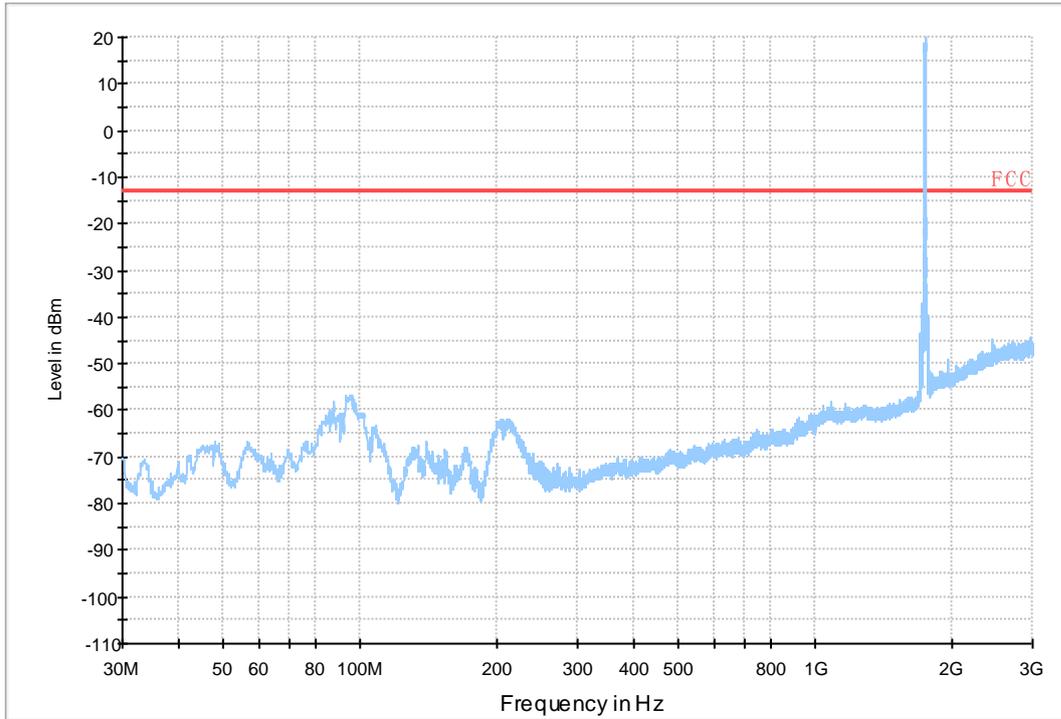


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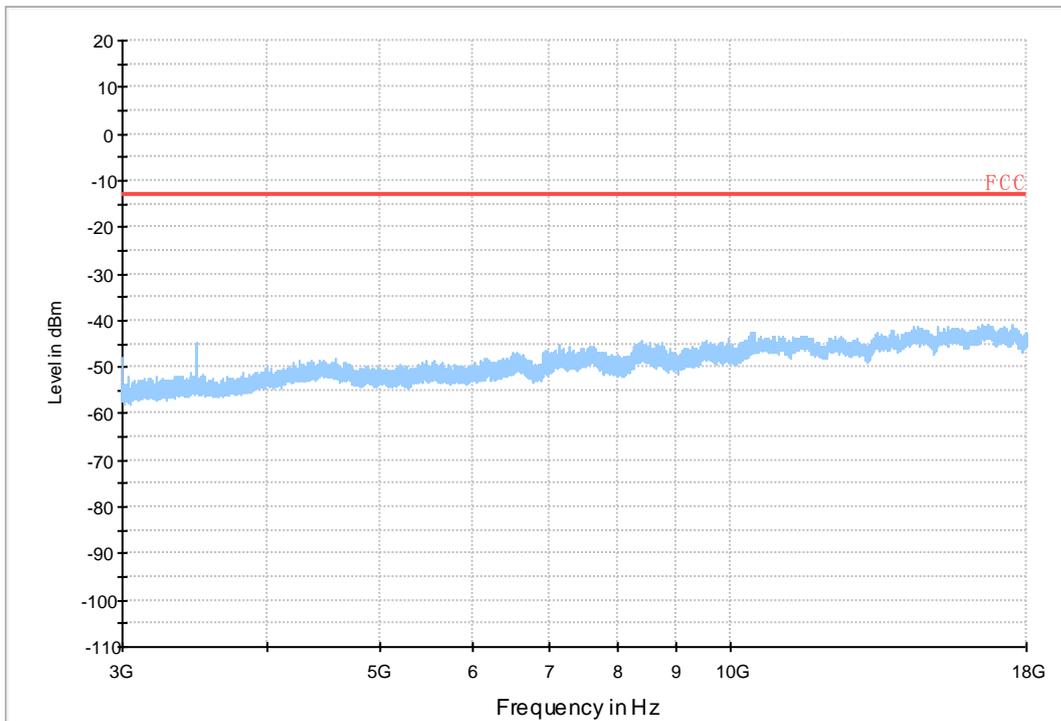


7.2.3.3 Test Mode = UMTS/TM3

Copy of FCC PART 27 WCDMA1700_L



Copy of FCC PART 27 WCDMA1700_H



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	-26.35	-0.03197	±2.5	PASS
				VN	-17.82	-0.02162	±2.5	PASS
				VH	-20.15	-0.02445	±2.5	PASS
		MCH	TN	VL	-14.46	-0.01728	±2.5	PASS
				VN	-10.33	-0.01235	±2.5	PASS
				VH	-7.17	-0.00857	±2.5	PASS
		HCH	TN	VL	-9.62	-0.01133	±2.5	PASS
				VN	-5.36	-0.00631	±2.5	PASS
				VH	-7.10	-0.00836	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-9.56	-0.0116	±2.5	PASS
				VN	-15.34	-0.01861	±2.5	PASS
				VH	-12.62	-0.01531	±2.5	PASS
		MCH	TN	VL	-6.49	-0.00776	±2.5	PASS
				VN	-11.88	-0.0142	±2.5	PASS
				VH	-7.62	-0.00911	±2.5	PASS
		HCH	TN	VL	-11.30	-0.01331	±2.5	PASS
				VN	-7.65	-0.00901	±2.5	PASS
				VH	-4.68	-0.00551	±2.5	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-33.00	-0.01784	±2.5	PASS
				VN	-41.84	-0.02261	±2.5	PASS
				VH	-50.04	-0.02705	±2.5	PASS
		MCH	TN	VL	-36.22	-0.01927	±2.5	PASS
				VN	-34.16	-0.01817	±2.5	PASS
				VH	-31.12	-0.01655	±2.5	PASS
		HCH	TN	VL	-28.02	-0.01467	±2.5	PASS
				VN	-35.64	-0.01866	±2.5	PASS
				VH	-28.54	-0.01494	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-33.09	-0.01788	±2.5	PASS
				VN	-30.99	-0.01675	±2.5	PASS
				VH	-35.81	-0.01935	±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	-16.11	-0.00857	±2.5	PASS
				VN	-30.06	-0.01599	±2.5	PASS
				VH	-27.89	-0.01484	±2.5	PASS
		HCH	TN	VL	-8.85	-0.00463	±2.5	PASS
				VN	-19.08	-0.00999	±2.5	PASS
				VH	-23.92	-0.01252	±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	-14.01	-0.017	±2.5	PASS	
				-20	-13.50	-0.01638	±2.5	PASS	
				-10	-16.27	-0.01974	±2.5	PASS	
				0	-12.33	-0.01496	±2.5	PASS	
				10	-15.88	-0.01927	±2.5	PASS	
				20	-17.11	-0.02076	±2.5	PASS	
				30	-12.01	-0.01457	±2.5	PASS	
				40	-14.33	-0.01739	±2.5	PASS	
		50	-12.46	-0.01512	±2.5	PASS			
		MCH	VN	-30	-12.72	-0.0152	±2.5	PASS	
				-20	-13.50	-0.01614	±2.5	PASS	
				-10	-14.59	-0.01744	±2.5	PASS	
				0	-9.62	-0.0115	±2.5	PASS	
				10	-6.72	-0.00803	±2.5	PASS	
				20	-13.24	-0.01583	±2.5	PASS	
				30	-11.24	-0.01344	±2.5	PASS	
				40	-7.68	-0.00918	±2.5	PASS	
		50	-13.69	-0.01636	±2.5	PASS			
		HCH	VN	-30	-10.20	-0.01202	±2.5	PASS	
				-20	-8.98	-0.01058	±2.5	PASS	
				-10	-8.59	-0.01012	±2.5	PASS	
				0	-11.82	-0.01393	±2.5	PASS	
				10	-14.08	-0.01659	±2.5	PASS	
				20	-10.59	-0.01248	±2.5	PASS	
				30	-15.76	-0.01857	±2.5	PASS	
				40	-10.59	-0.01248	±2.5	PASS	
		50	-9.75	-0.01149	±2.5	PASS			
		GSM/TM2	LCH	VN	-30	-13.46	-0.01633	±2.5	PASS
					-20	-11.04	-0.01339	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict		
				-10	-13.53	-0.01642	±2.5	PASS		
				0	-14.37	-0.01744	±2.5	PASS		
				10	-13.20	-0.01602	±2.5	PASS		
				20	-9.30	-0.01128	±2.5	PASS		
				30	-13.53	-0.01642	±2.5	PASS		
				40	-12.17	-0.01477	±2.5	PASS		
				50	-10.65	-0.01292	±2.5	PASS		
		MCH	VN	-30	-8.85	-0.01058	±2.5	PASS		
				-20	-7.68	-0.00918	±2.5	PASS		
				-10	-5.46	-0.00653	±2.5	PASS		
				0	-6.52	-0.00779	±2.5	PASS		
				10	-6.75	-0.00807	±2.5	PASS		
				20	-7.49	-0.00895	±2.5	PASS		
				30	-6.17	-0.00738	±2.5	PASS		
		HCH	VN	40	-15.11	-0.01806	±2.5	PASS		
				50	-11.98	-0.01432	±2.5	PASS		
				-30	-5.42	-0.00639	±2.5	PASS		
				-20	-4.33	-0.0051	±2.5	PASS		
				-10	-7.17	-0.00845	±2.5	PASS		
				0	-9.01	-0.01061	±2.5	PASS		
				10	-8.59	-0.01012	±2.5	PASS		
		GSM1900	GSM/TM1	LCH	VN	20	-5.42	-0.00639	±2.5	PASS
						30	-3.91	-0.00461	±2.5	PASS
						40	-8.46	-0.00997	±2.5	PASS
						50	-10.91	-0.01285	±2.5	PASS
						-30	-31.45	-0.017	±2.5	PASS
						-20	-32.80	-0.01773	±2.5	PASS
-10	-34.03					-0.01839	±2.5	PASS		
0	-32.29			-0.01745	±2.5	PASS				
10	-29.38			-0.01588	±2.5	PASS				
20	-42.42			-0.02293	±2.5	PASS				
30	-30.61			-0.01654	±2.5	PASS				
40	-31.25			-0.01689	±2.5	PASS				
50	-25.89			-0.01399	±2.5	PASS				
MCH	VN			-30	-37.26	-0.01982	±2.5	PASS		
		-20	-31.45	-0.01673	±2.5	PASS				
		-10	-31.96	-0.017	±2.5	PASS				
		0	-27.83	-0.0148	±2.5	PASS				
		10	-34.29	-0.01824	±2.5	PASS				
		20	-35.58	-0.01893	±2.5	PASS				

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict		
				30	-35.13	-0.01869	±2.5	PASS		
				40	-33.38	-0.01776	±2.5	PASS		
				50	-26.28	-0.01398	±2.5	PASS		
		HCH	VN			-30	-27.57	-0.01444	±2.5	PASS
						-20	-17.89	-0.00937	±2.5	PASS
						-10	-18.98	-0.00994	±2.5	PASS
						0	-17.24	-0.00903	±2.5	PASS
						10	-17.24	-0.00903	±2.5	PASS
						20	-26.41	-0.01383	±2.5	PASS
						30	-21.76	-0.01139	±2.5	PASS
						40	-25.83	-0.01352	±2.5	PASS
						50	-15.95	-0.00835	±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	-0.92	-0.00111	±2.5	PASS
				VN	-10.77	-0.01303	±2.5	PASS
				VH	-2.87	-0.00347	±2.5	PASS
		MCH	TN	VL	11.12	0.0133	±2.5	PASS
				VN	-4.93	-0.00589	±2.5	PASS
				VH	1.33	0.00159	±2.5	PASS
		HCH	TN	VL	-0.46	-0.00054	±2.5	PASS
				VN	2.62	0.00309	±2.5	PASS
				VH	-2.00	-0.00236	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-4.94	-0.00267	±2.5	PASS
				VN	-12.34	-0.00666	±2.5	PASS
				VH	1.71	0.00092	±2.5	PASS
		MCH	TN	VL	22.14	0.01178	±2.5	PASS
				VN	-6.79	-0.00361	±2.5	PASS
				VH	-4.14	-0.0022	±2.5	PASS
		HCH	TN	VL	-8.38	-0.00439	±2.5	PASS
				VN	-18.72	-0.00981	±2.5	PASS
				VH	-4.06	-0.00213	±2.5	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-9.77	-0.00571	±2.5	PASS
				VN	-1.98	-0.00116	±2.5	PASS
				VH	-2.24	-0.00131	±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	5.69	0.00328	±2.5	PASS
				VN	-3.71	-0.00214	±2.5	PASS
				VH	-10.09	-0.00582	±2.5	PASS
		HCH	TN	VL	3.94	0.00225	±2.5	PASS
				VN	8.26	0.00471	±2.5	PASS
				VH	-6.38	-0.00364	±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	-8.47	-0.01025	±2.5	PASS
				-20	7.78	0.00941	±2.5	PASS
				-10	-3.75	-0.00454	±2.5	PASS
				0	-8.51	-0.0103	±2.5	PASS
				10	3.68	0.00445	±2.5	PASS
				20	-3.91	-0.00473	±2.5	PASS
				30	-6.15	-0.00744	±2.5	PASS
				40	-4.65	-0.00563	±2.5	PASS
				50	1.02	0.00123	±2.5	PASS
		MCH	VN	-30	3.22	0.00385	±2.5	PASS
				-20	-2.94	-0.00352	±2.5	PASS
				-10	-5.71	-0.00683	±2.5	PASS
				0	-6.38	-0.00763	±2.5	PASS
				10	-1.46	-0.00175	±2.5	PASS
				20	-5.02	-0.006	±2.5	PASS
				30	3.22	0.00385	±2.5	PASS
				40	-13.28	-0.01588	±2.5	PASS
				50	4.06	0.00485	±2.5	PASS
		HCH	VN	-30	-0.02	-0.00002	±2.5	PASS
				-20	3.60	0.00425	±2.5	PASS
				-10	1.11	0.00131	±2.5	PASS
				0	6.10	0.00721	±2.5	PASS
				10	-4.68	-0.00553	±2.5	PASS
				20	-10.97	-0.01296	±2.5	PASS
				30	-10.22	-0.01207	±2.5	PASS
				40	1.21	0.00143	±2.5	PASS
				50	2.49	0.00294	±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	-30	-32.38	-0.0175	±2.5	PASS
				-20	-28.25	-0.01527	±2.5	PASS
				-10	-26.02	-0.01406	±2.5	PASS
				0	-34.80	-0.01881	±2.5	PASS
				10	-26.73	-0.01445	±2.5	PASS
				20	-28.12	-0.0152	±2.5	PASS
				30	-35.97	-0.01944	±2.5	PASS
				40	-32.83	-0.01774	±2.5	PASS
				50	-33.84	-0.01829	±2.5	PASS
		MCH	VN	-30	-29.90	-0.0159	±2.5	PASS
				-20	-41.26	-0.02195	±2.5	PASS
				-10	-33.87	-0.01802	±2.5	PASS
				0	-29.06	-0.01546	±2.5	PASS
				10	-28.90	-0.01537	±2.5	PASS
				20	-36.03	-0.01916	±2.5	PASS
				30	-19.11	-0.01016	±2.5	PASS
				40	-16.30	-0.00867	±2.5	PASS
				50	-30.99	-0.01648	±2.5	PASS
		HCH	VN	-30	-23.89	-0.01251	±2.5	PASS
				-20	-25.73	-0.01347	±2.5	PASS
				-10	-19.18	-0.01004	±2.5	PASS
				0	-28.25	-0.01479	±2.5	PASS
				10	-16.98	-0.00889	±2.5	PASS
				20	-17.05	-0.00893	±2.5	PASS
				30	-22.66	-0.01187	±2.5	PASS
				40	-17.34	-0.00908	±2.5	PASS
				50	-16.11	-0.00844	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-8.76	-0.00473	±2.5	PASS
				-20	-15.90	-0.00858	±2.5	PASS
				-10	-8.48	-0.00458	±2.5	PASS
				0	-23.77	-0.01283	±2.5	PASS
				10	8.36	0.00451	±2.5	PASS
				20	10.13	0.00547	±2.5	PASS
				30	8.30	0.00448	±2.5	PASS
				40	-12.60	-0.0068	±2.5	PASS
				50	-3.10	-0.00167	±2.5	PASS
		MCH	VN	-30	-2.00	-0.00106	±2.5	PASS
				-20	-2.35	-0.00125	±2.5	PASS
				-10	18.31	0.00974	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict				
				0	-9.74	-0.00518	±2.5	PASS				
				10	7.97	0.00424	±2.5	PASS				
				20	16.01	0.00852	±2.5	PASS				
				30	-6.67	-0.00355	±2.5	PASS				
				40	-21.27	-0.01131	±2.5	PASS				
				50	-6.01	-0.0032	±2.5	PASS				
		HCH	VN	-30	-13.57	-0.00711	±2.5	PASS				
				-20	-5.55	-0.00291	±2.5	PASS				
				-10	-5.97	-0.00313	±2.5	PASS				
				0	-1.57	-0.00082	±2.5	PASS				
				10	3.17	0.00166	±2.5	PASS				
				20	-18.45	-0.00967	±2.5	PASS				
						30	1.19	0.00062	±2.5	PASS		
						40	-1.92	-0.00101	±2.5	PASS		
						50	20.31	0.01065	±2.5	PASS		
						LCH	VN	-30	-6.47	-0.00378	±2.5	PASS
								-20	7.06	0.00412	±2.5	PASS
								-10	-0.96	-0.00056	±2.5	PASS
0	4.58	0.00267	±2.5	PASS								
10	-8.58	-0.00501	±2.5	PASS								
20	5.54	0.00324	±2.5	PASS								
30	-12.30	-0.00718	±2.5	PASS								
40	12.86	0.00751	±2.5	PASS								
50	10.10	0.0059	±2.5	PASS								
MCH	VN	-30	-6.07	-0.0035	±2.5	PASS						
		-20	10.12	0.00584	±2.5	PASS						
		-10	-9.09	-0.00525	±2.5	PASS						
		0	-10.53	-0.00608	±2.5	PASS						
		10	-16.37	-0.00945	±2.5	PASS						
		20	10.41	0.00601	±2.5	PASS						
		30	-5.02	-0.0029	±2.5	PASS						
		40	20.75	0.01198	±2.5	PASS						
		50	-3.74	-0.00216	±2.5	PASS						
HCH	VN	-30	10.91	0.00623	±2.5	PASS						
		-20	-7.66	-0.00437	±2.5	PASS						
		-10	-5.91	-0.00337	±2.5	PASS						
		0	1.69	0.00096	±2.5	PASS						
		10	9.38	0.00535	±2.5	PASS						
		20	-5.52	-0.00315	±2.5	PASS						



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				30	-14.36	-0.00819	±2.5	PASS
				40	0.55	0.00031	±2.5	PASS
				50	8.65	0.00494	±2.5	PASS

END