

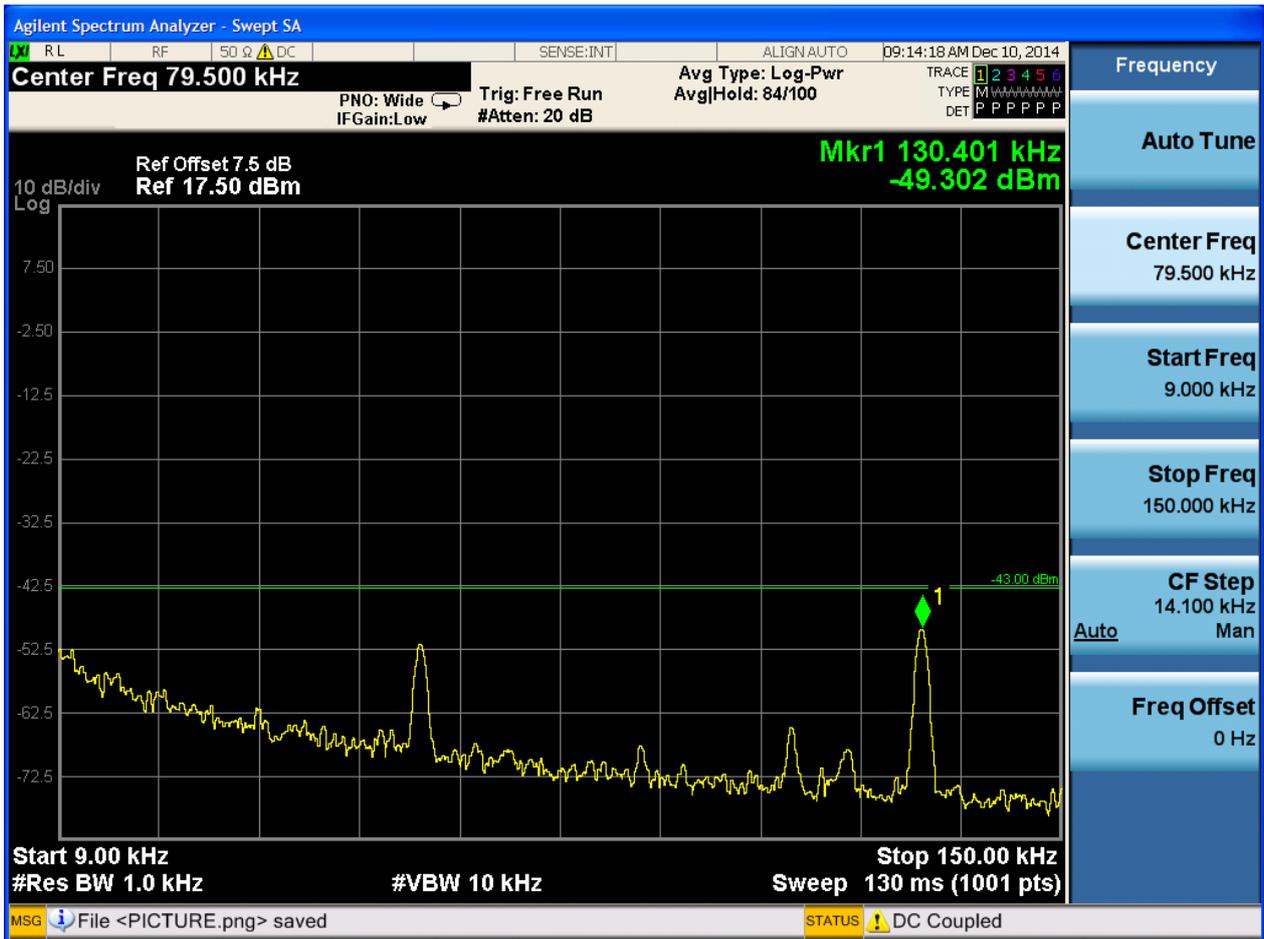


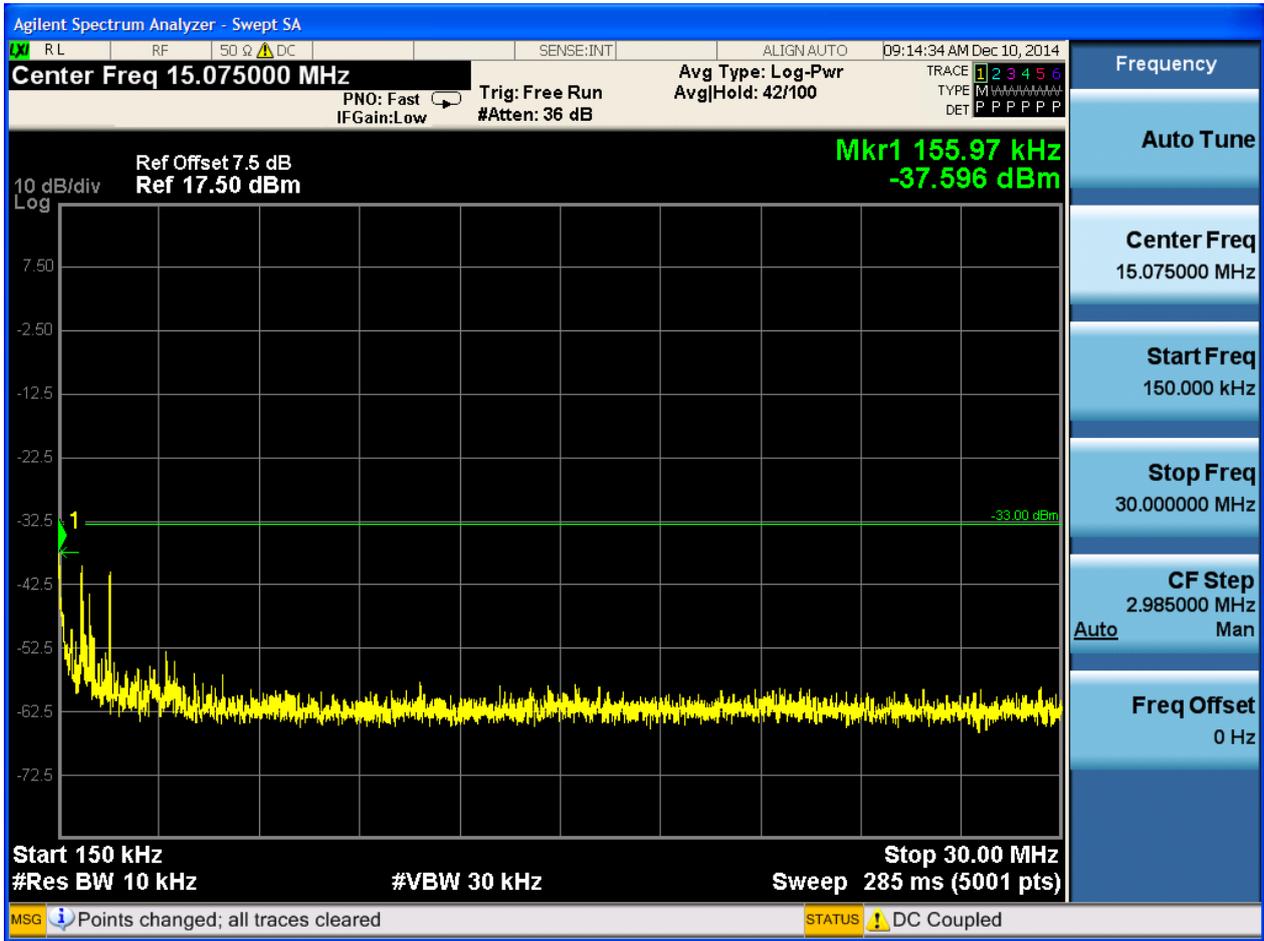


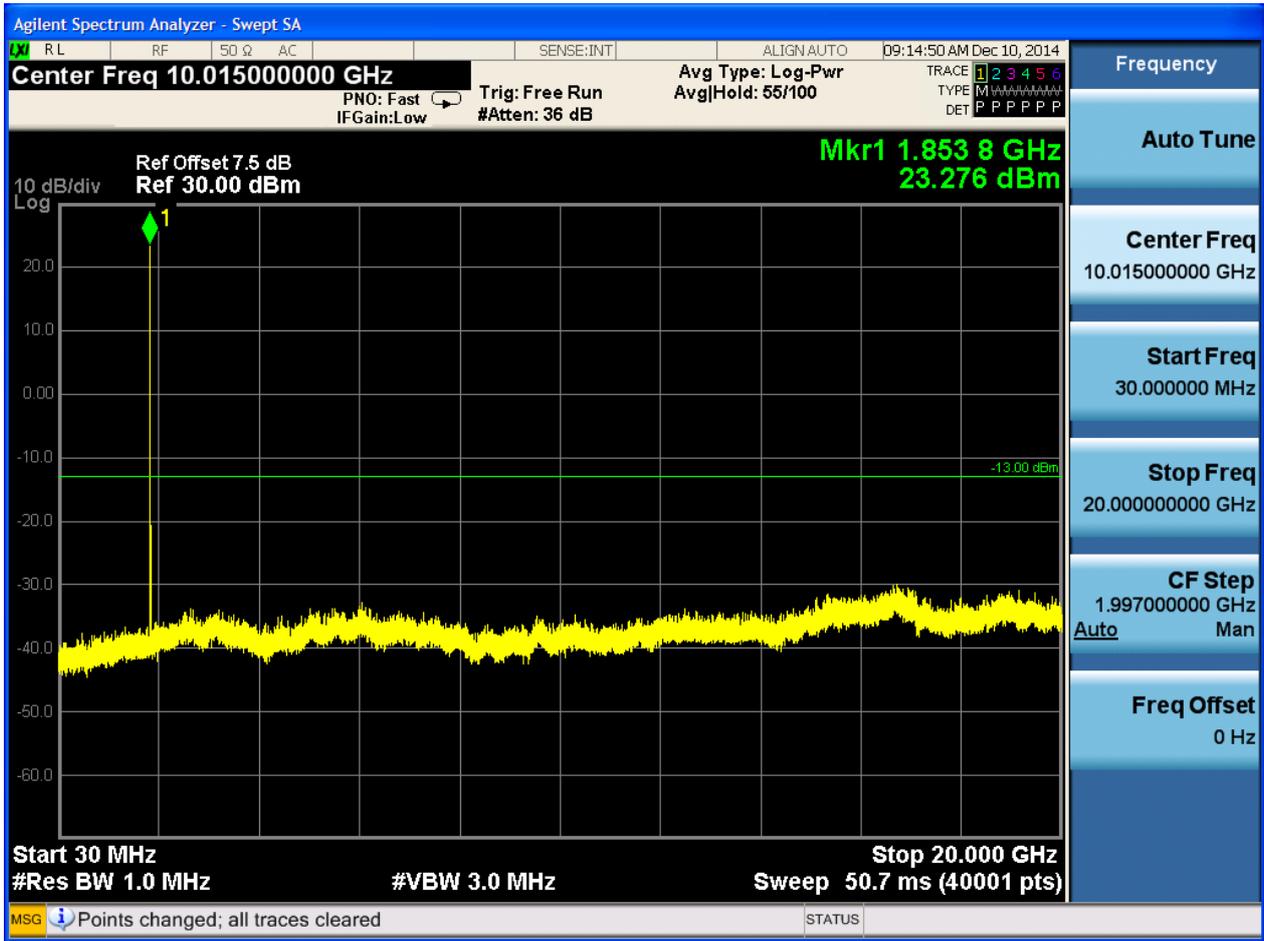
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

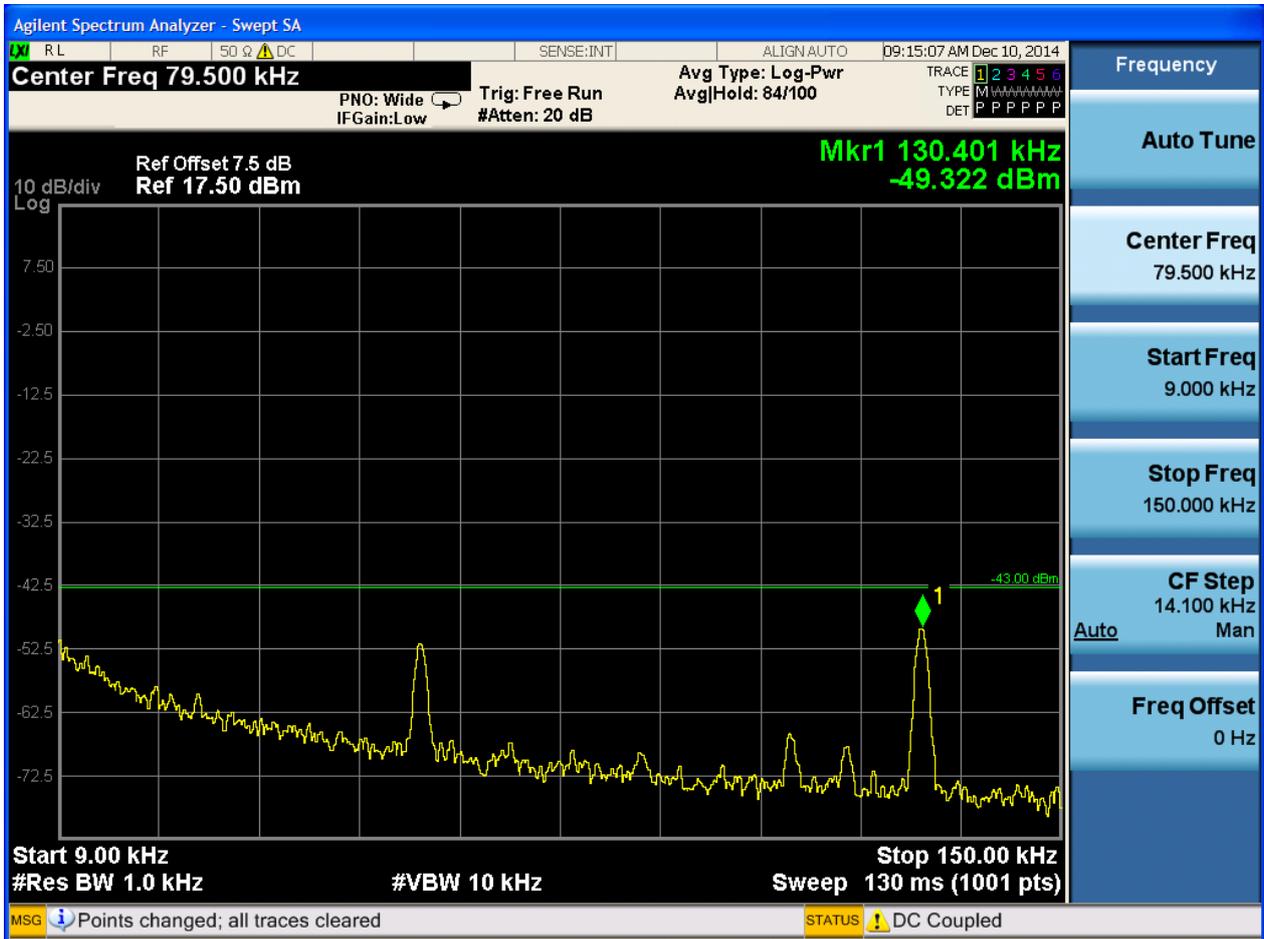
6.2.2.1.1 Test Channel = LCH

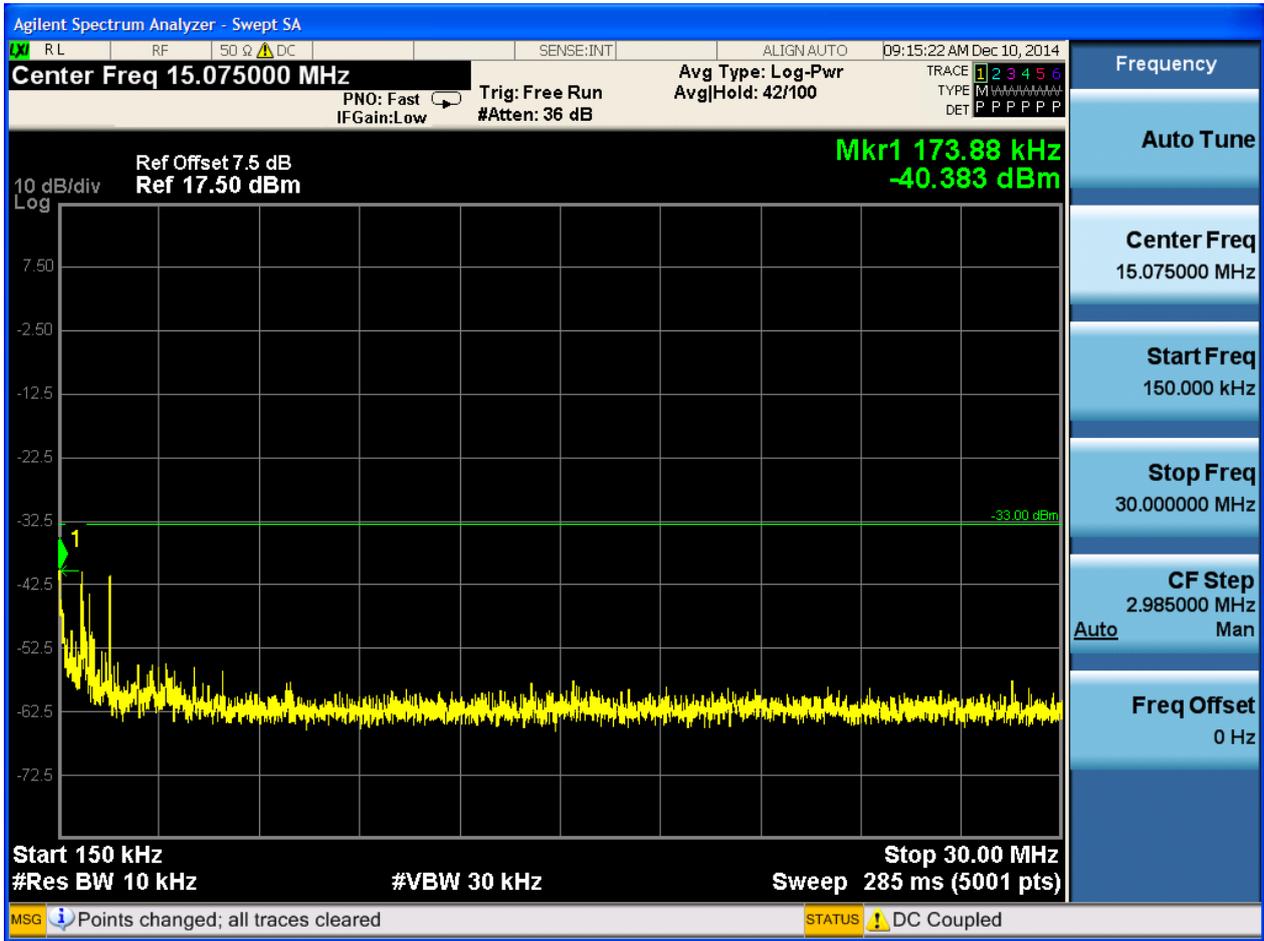


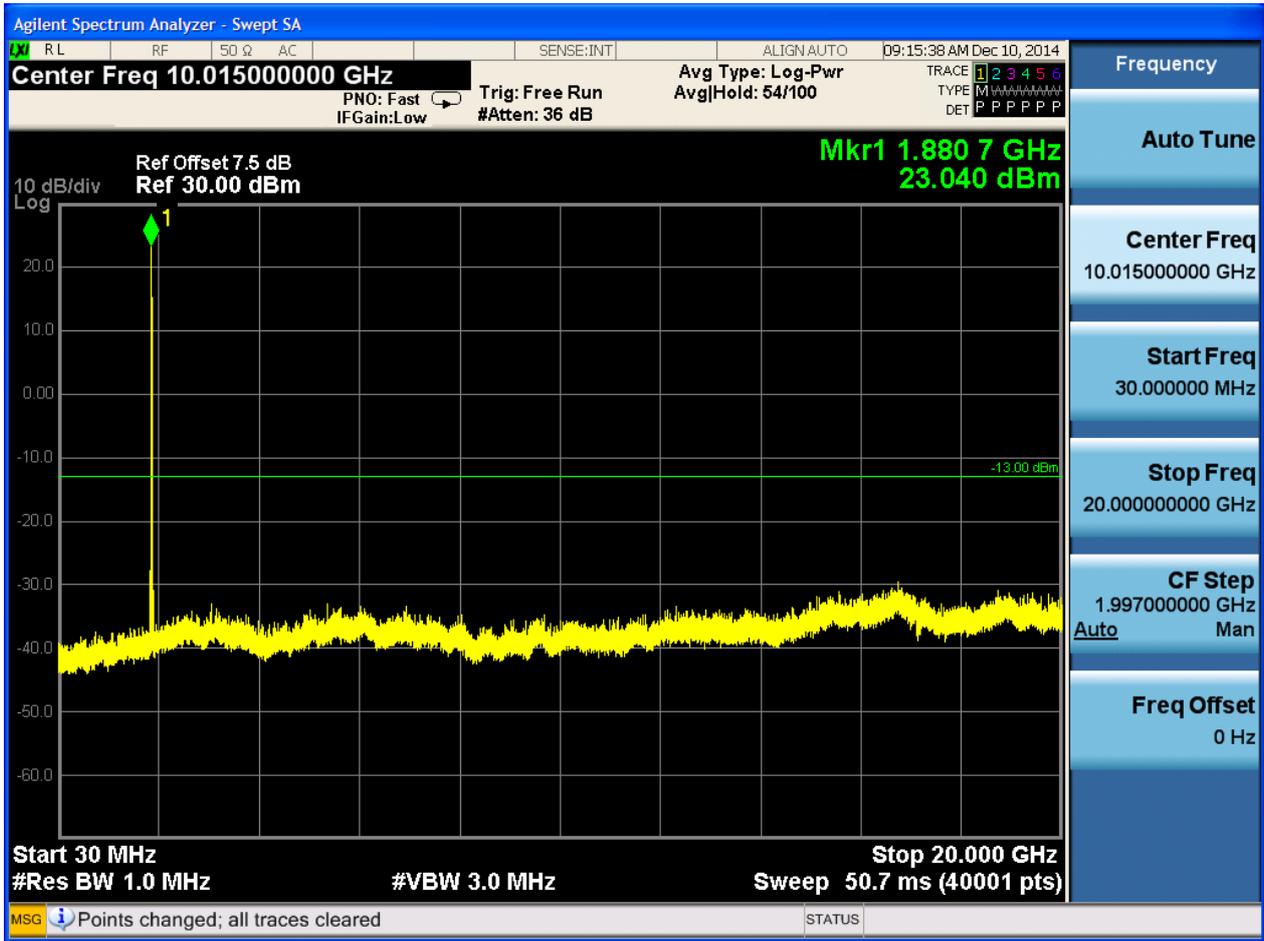




## 6.2.2.1.2 Test Channel = MCH

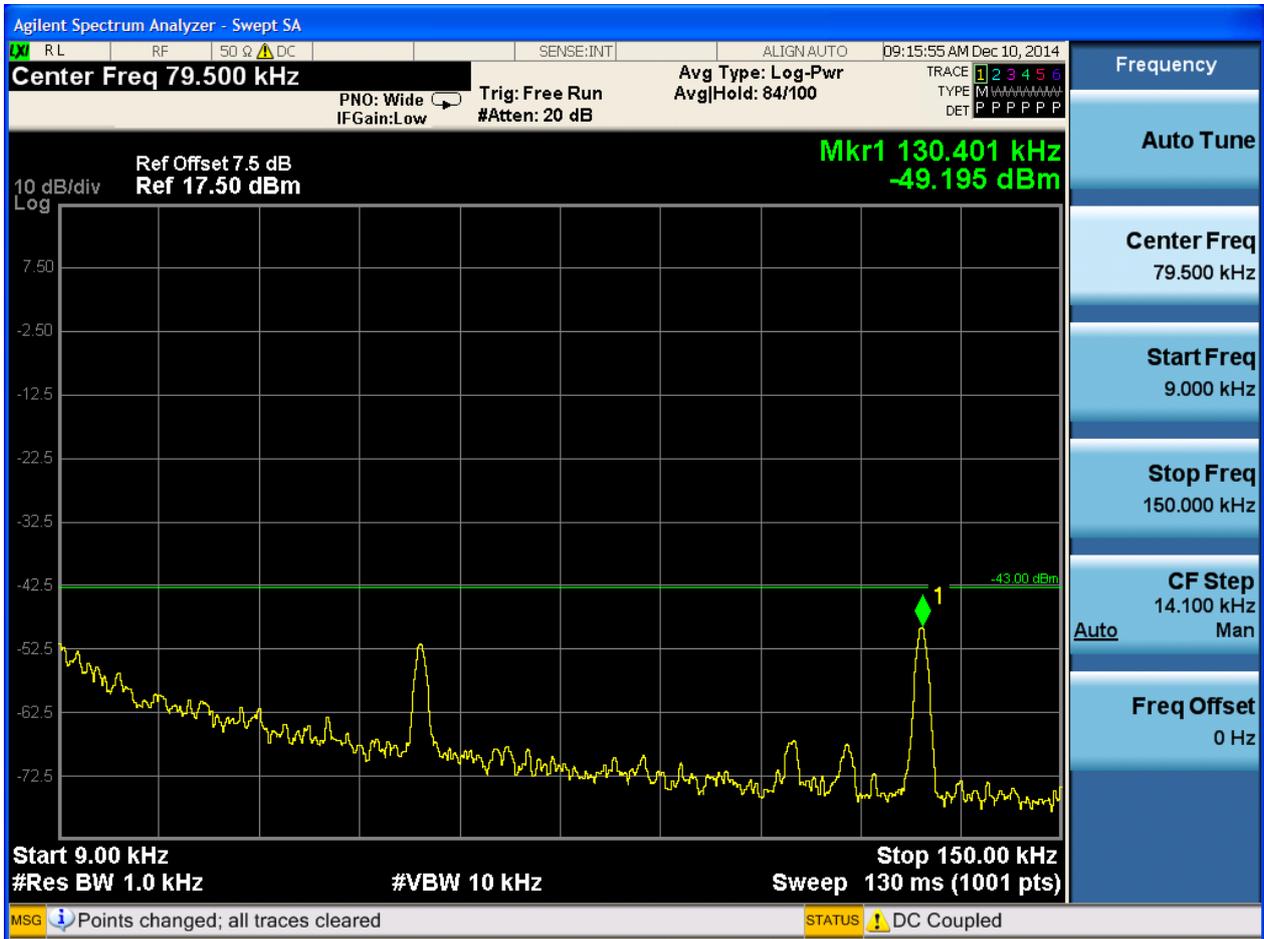


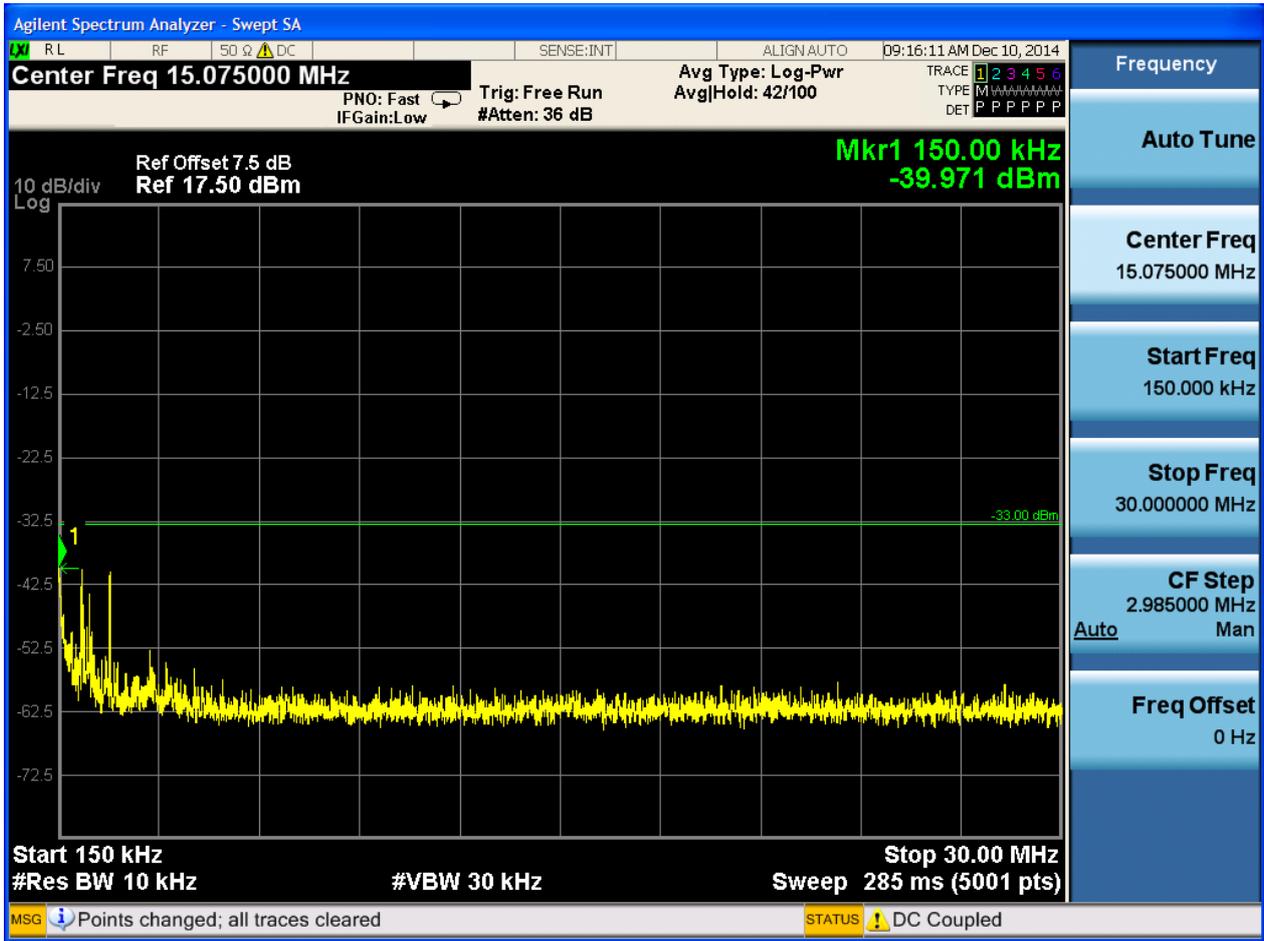


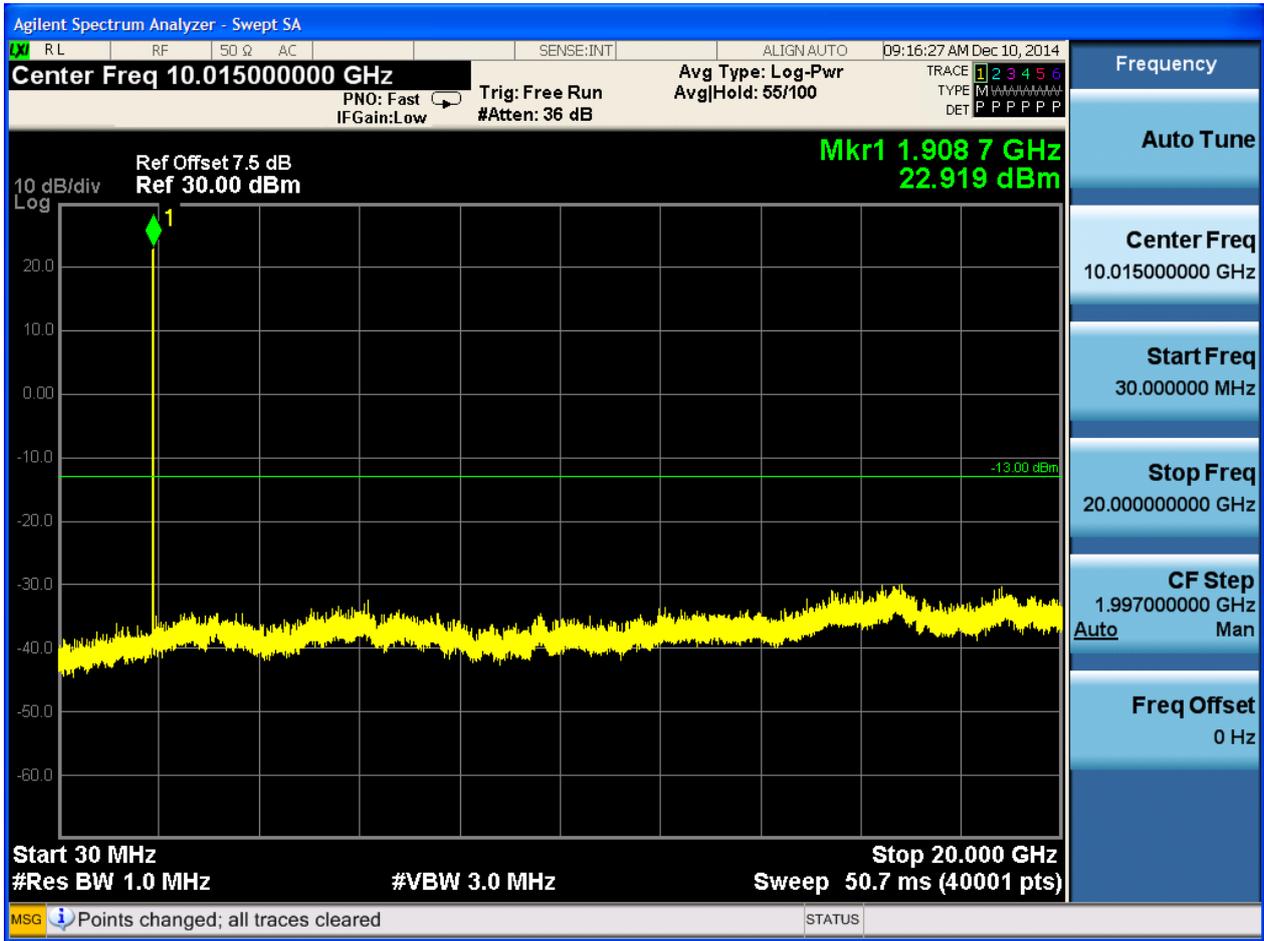




6.2.2.1.3 Test Channel = HCH







## 7Appendix\_G: Field Strength of Spurious Radiation

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

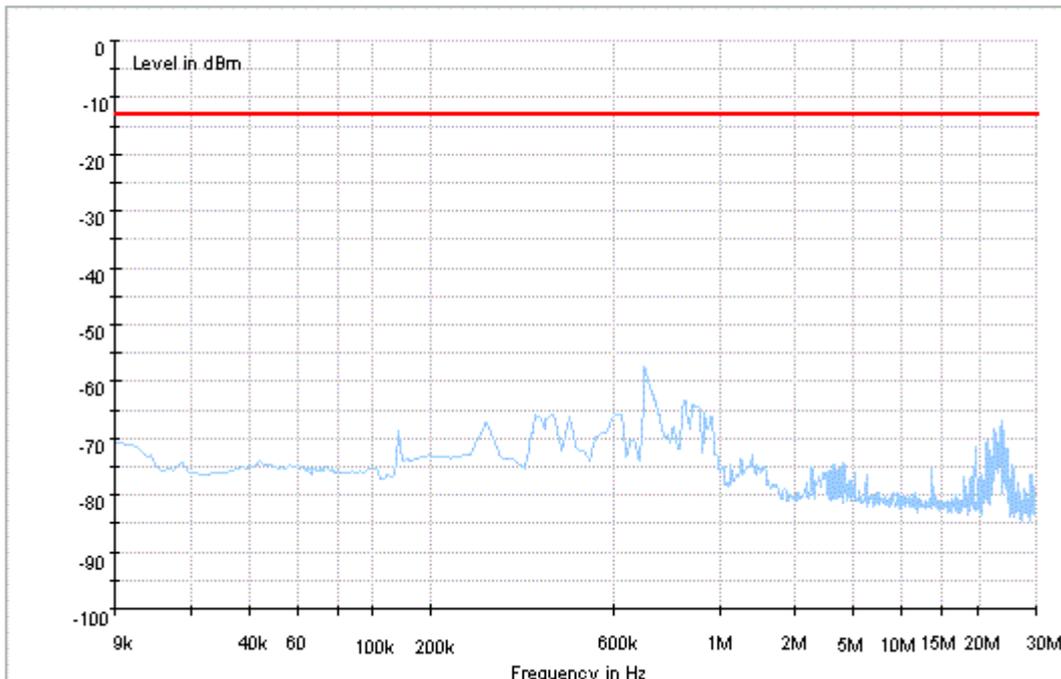
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

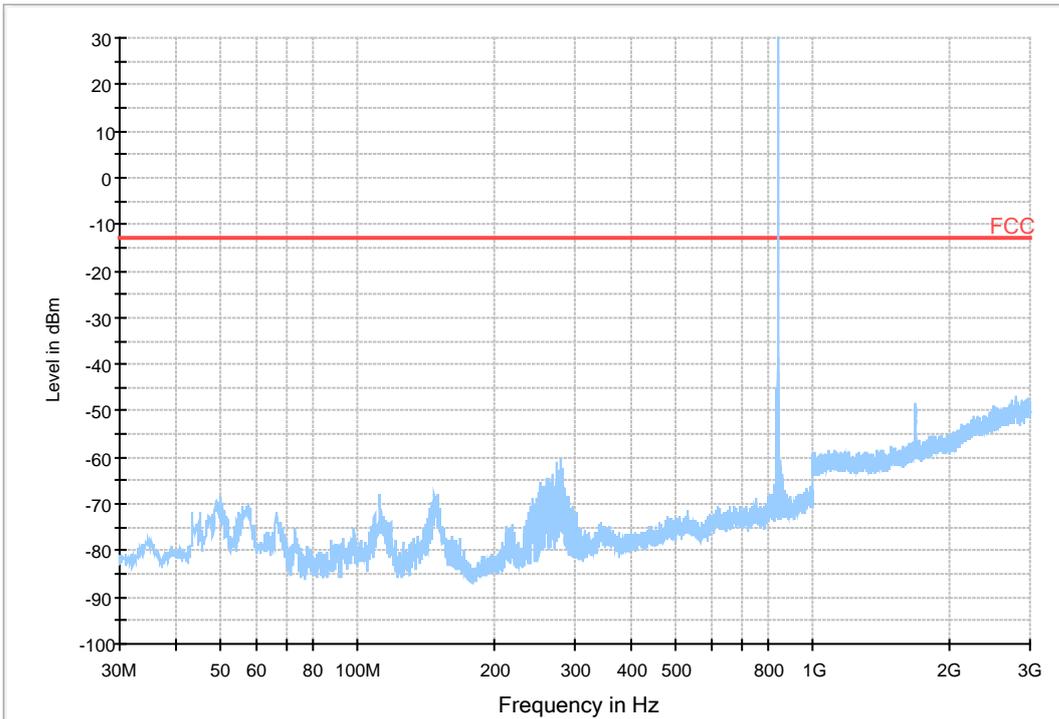
#### 7.1 For GSM

##### 7.1.1 Test Band = GSM850

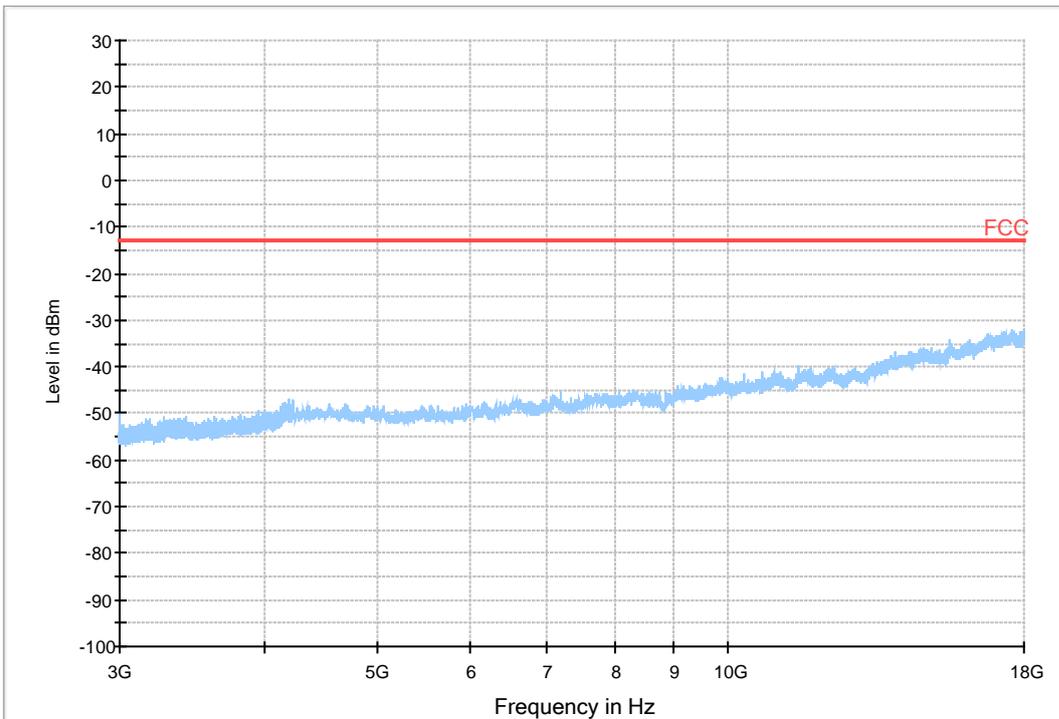
##### 7.1.1.1 Test Mode = GSM/TM1



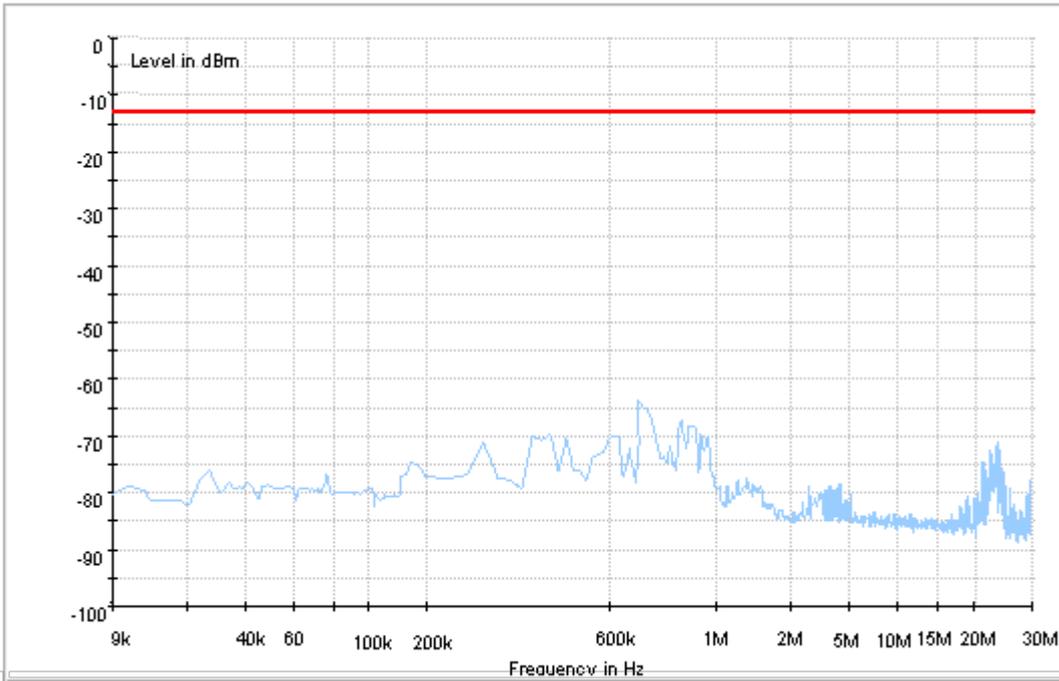
Copy of FCC PART22 GSM850\_L



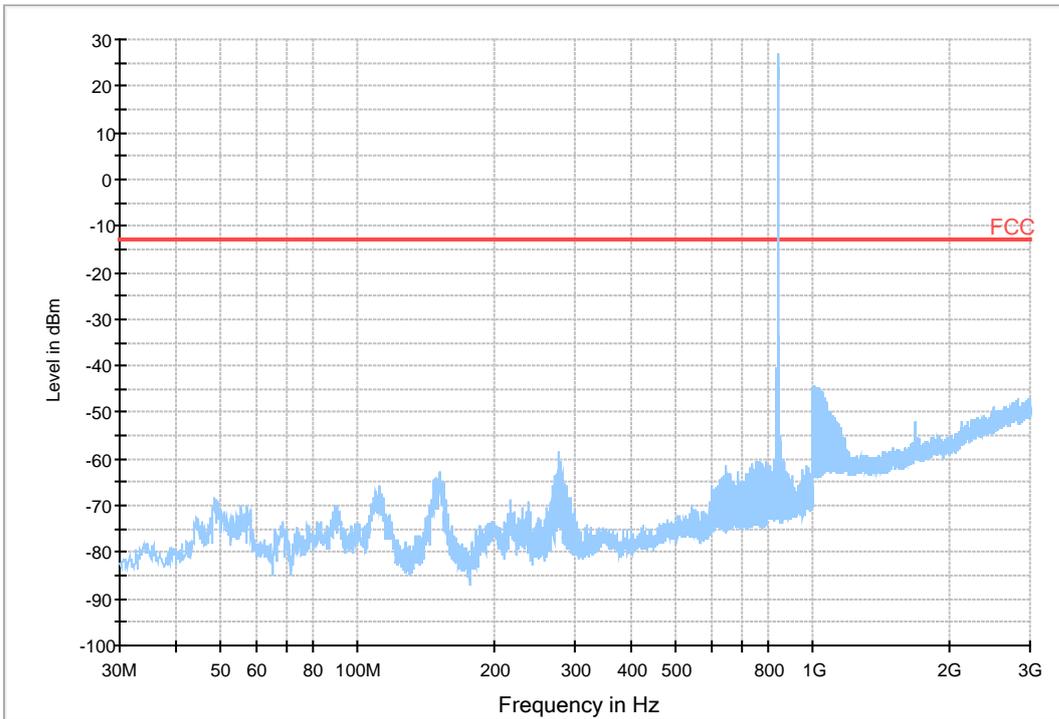
Copy of FCC PART22 GSM850\_H



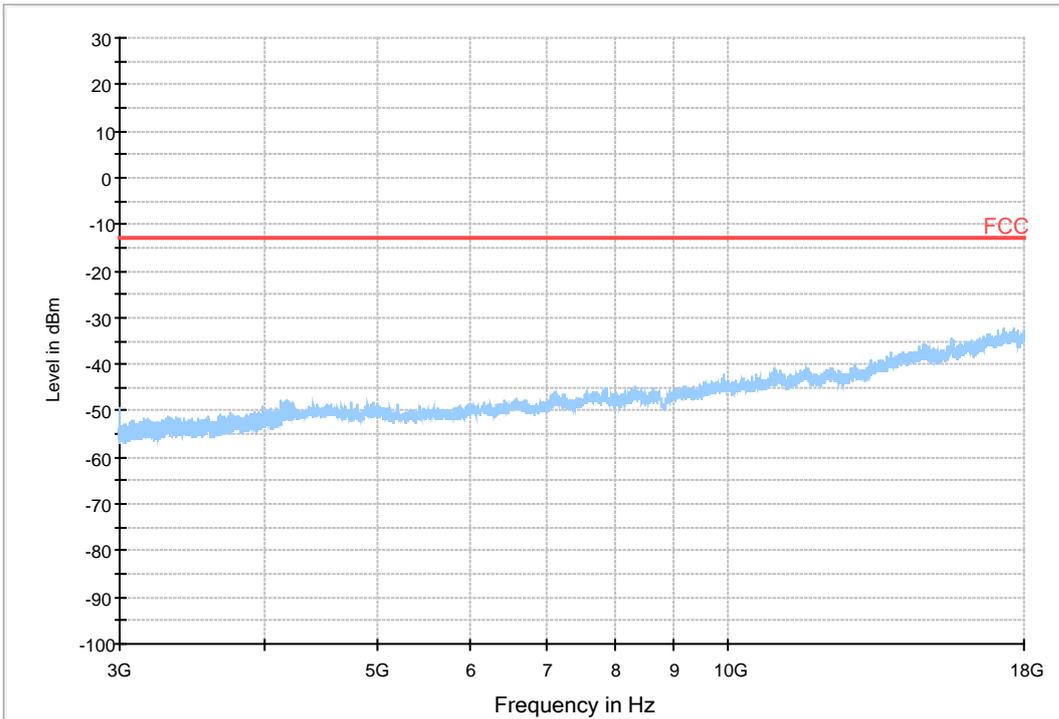
### 7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850\_L

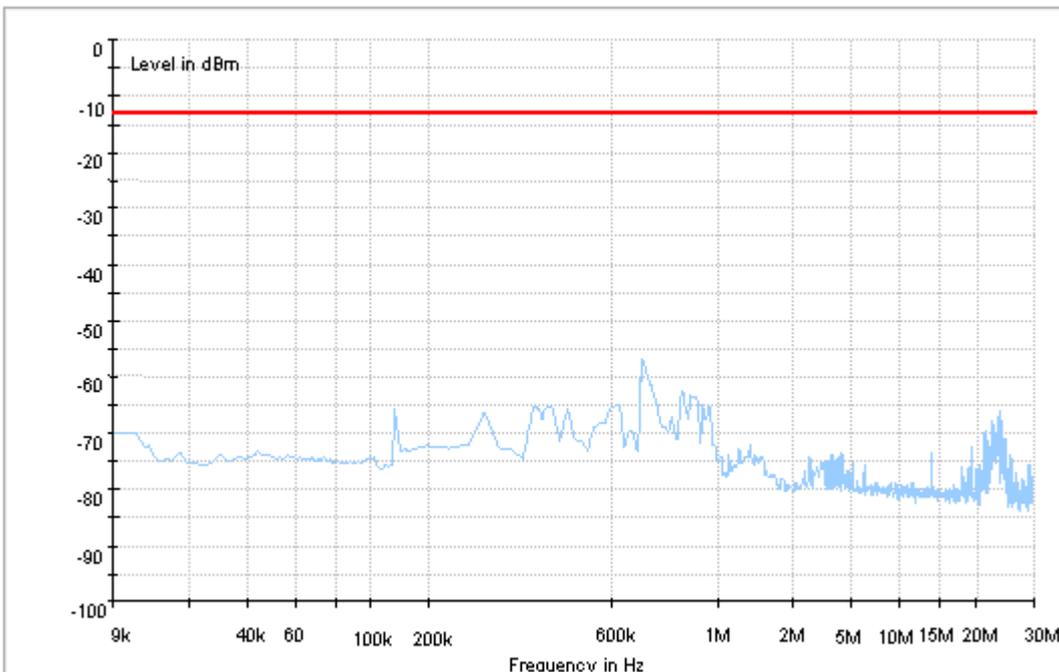


Copy of FCC PART22 GSM850\_H

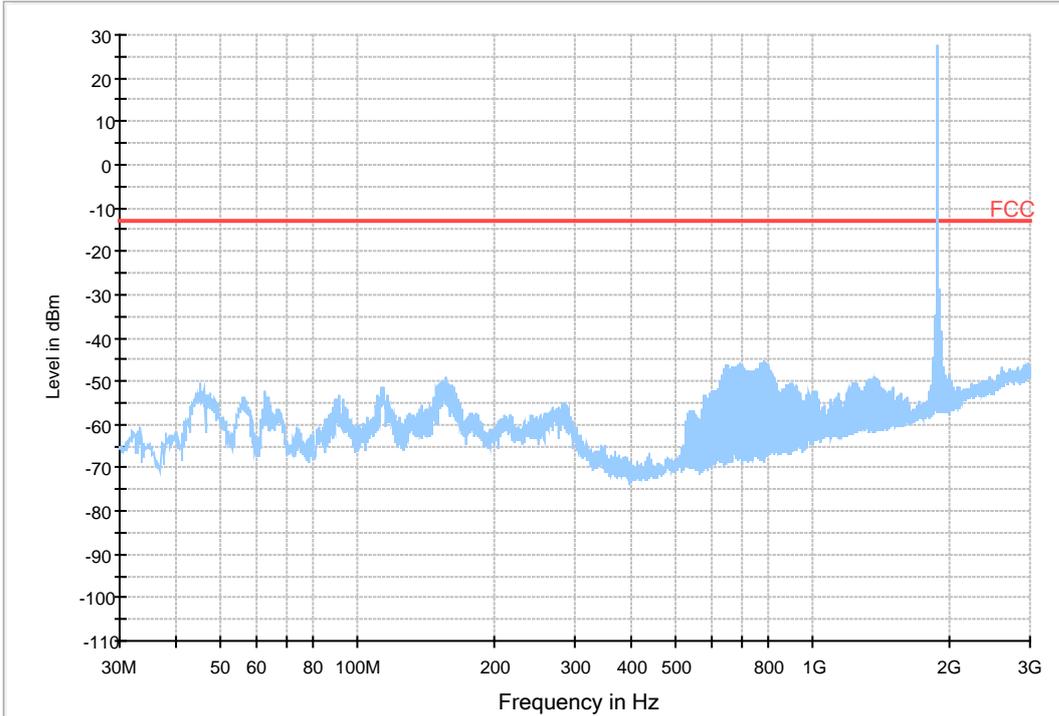


7.1.2 Test Band = GSM1900

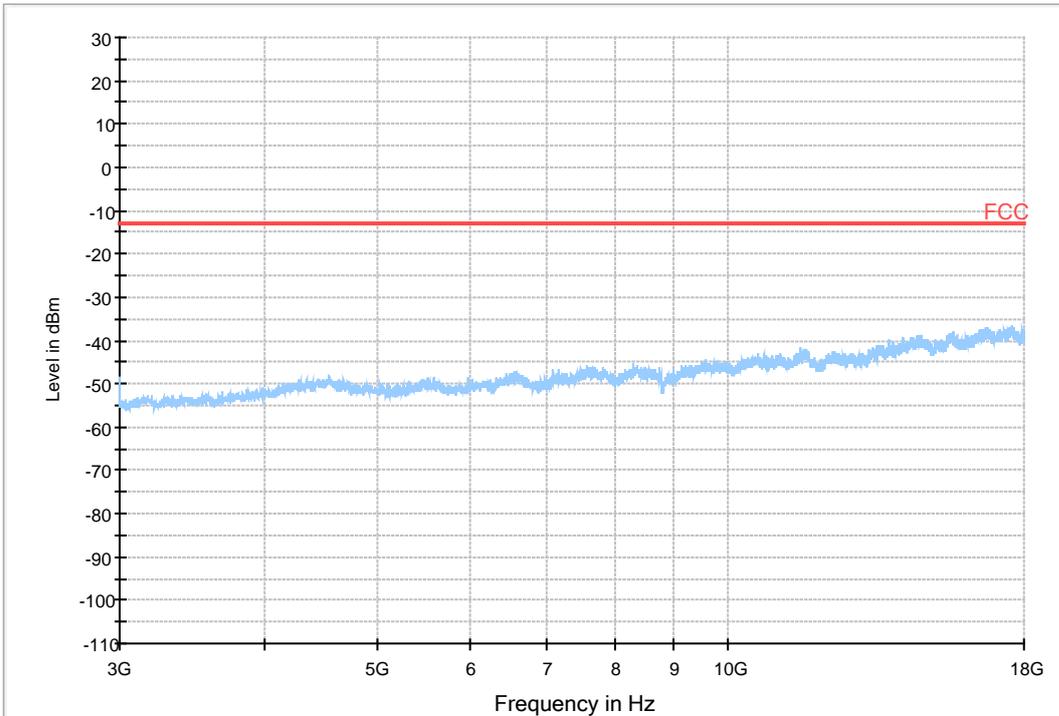
7.1.2.1 Test Mode = GSM/TM1

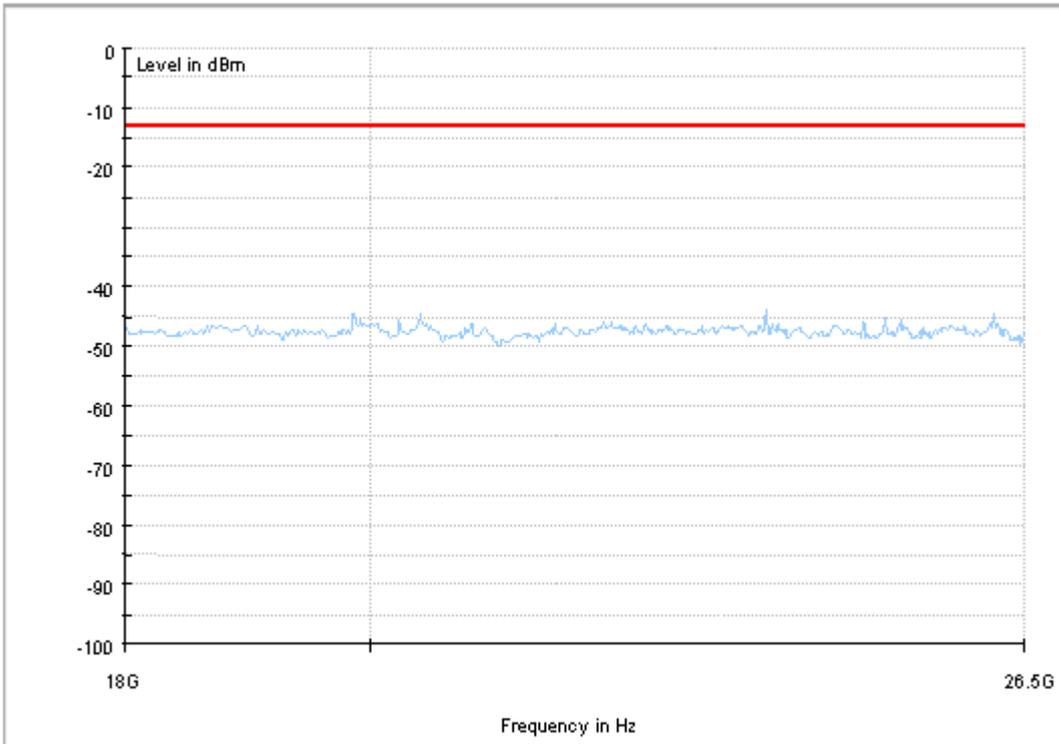


Copy of FCC PART24 GSM1900\_L



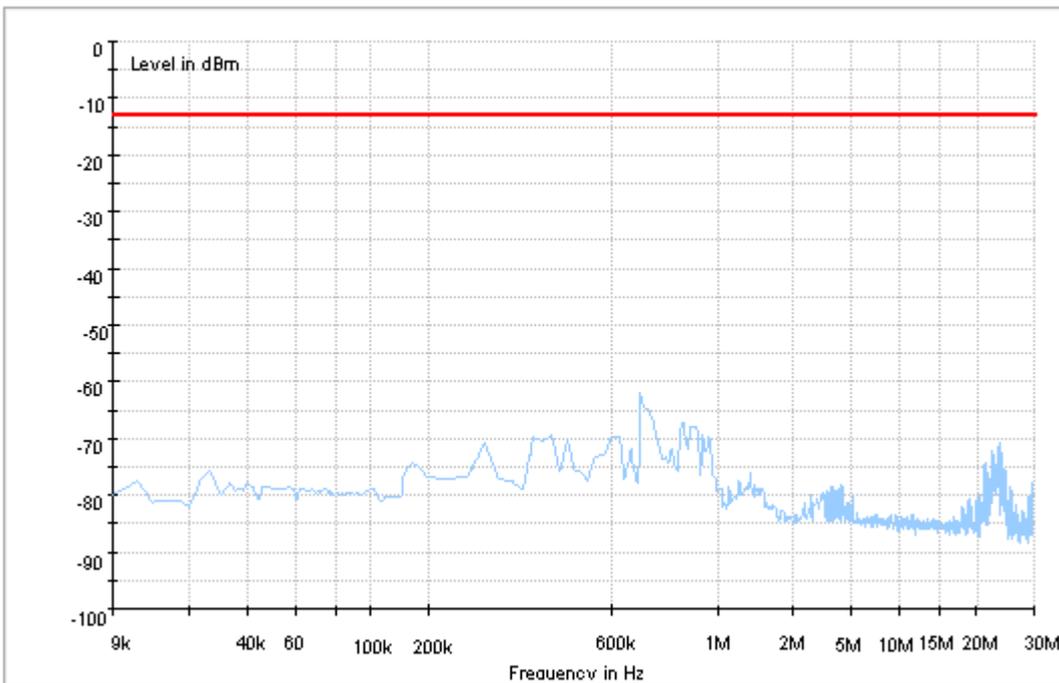
Copy of FCC PART24 GSM1900\_H



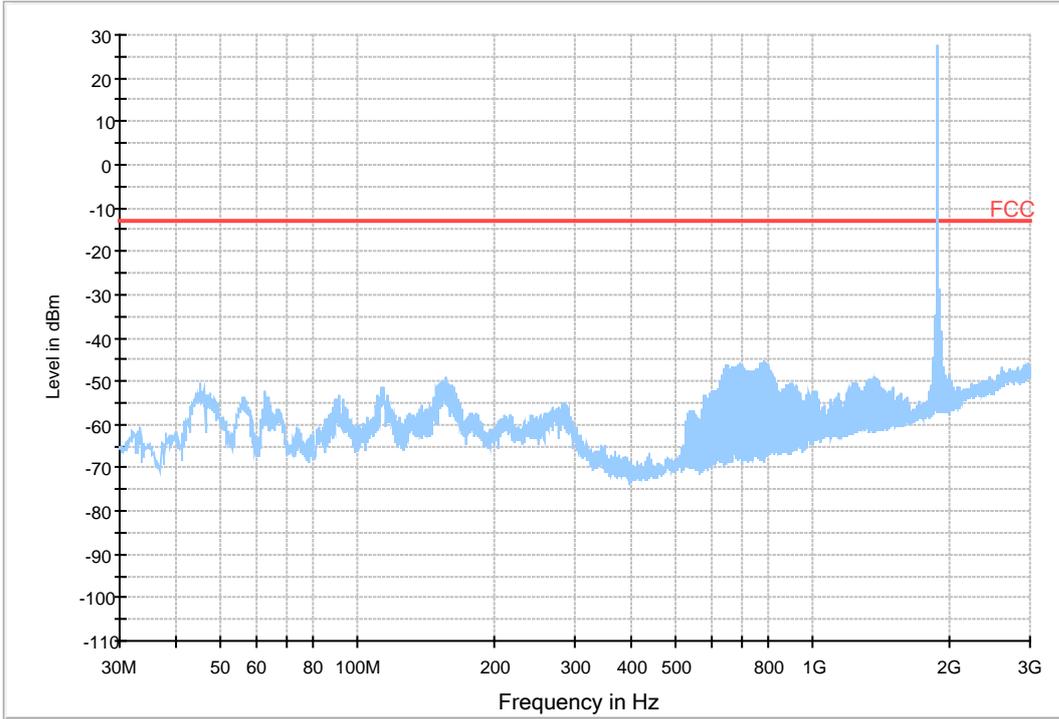


### 7.1.3 Test Band = GSM1900

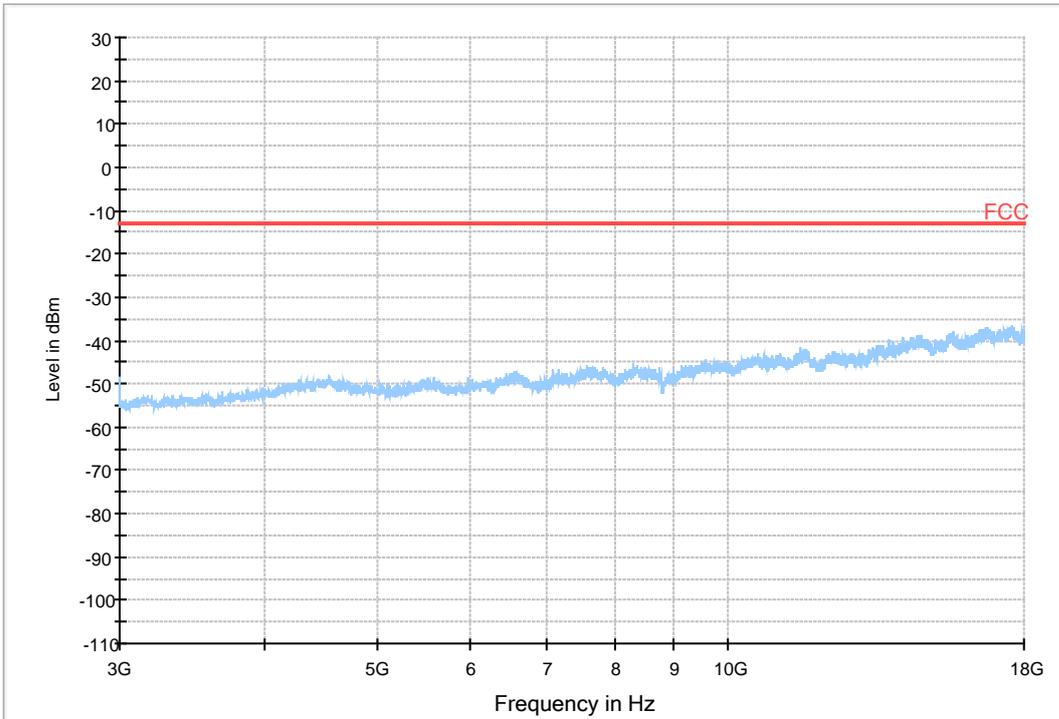
#### 7.1.3.1 Test Mode = GSM/TM2

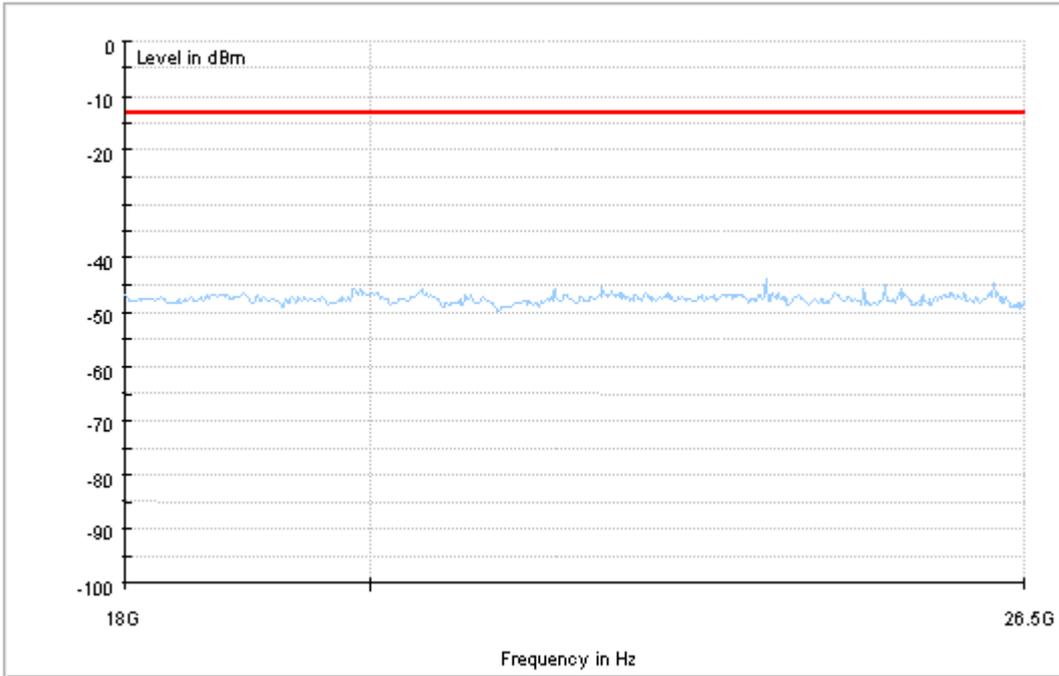


Copy of FCC PART24 GSM1900\_L



Copy of FCC PART24 GSM1900\_H

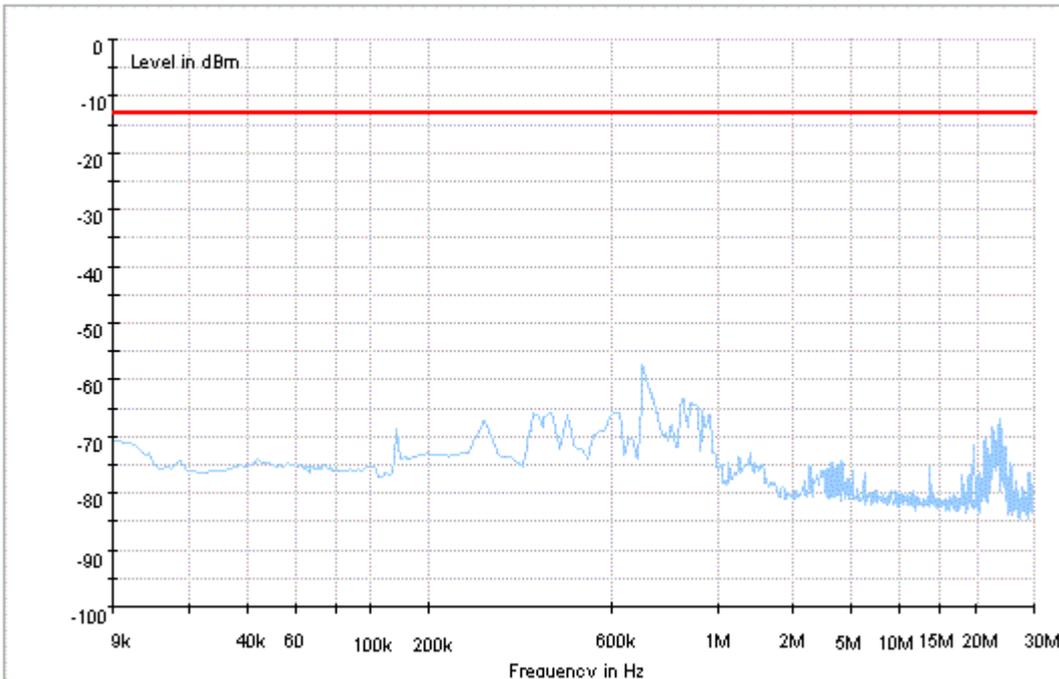




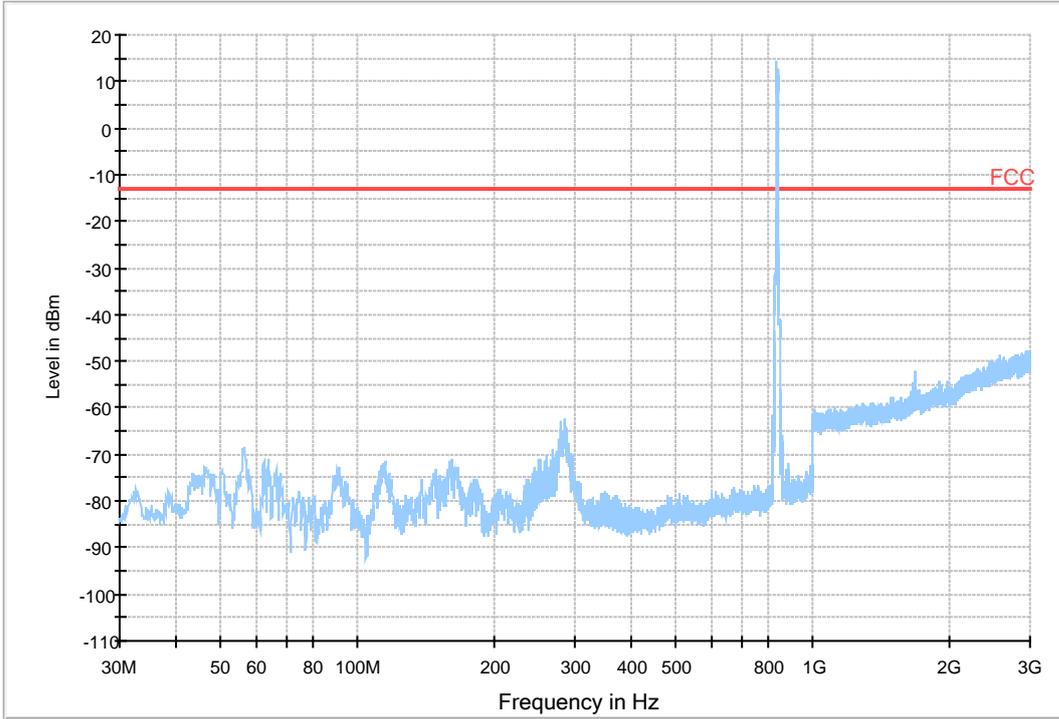
## 7.2 For UMTS

### 7.2.1 Test Band = WCDMA850

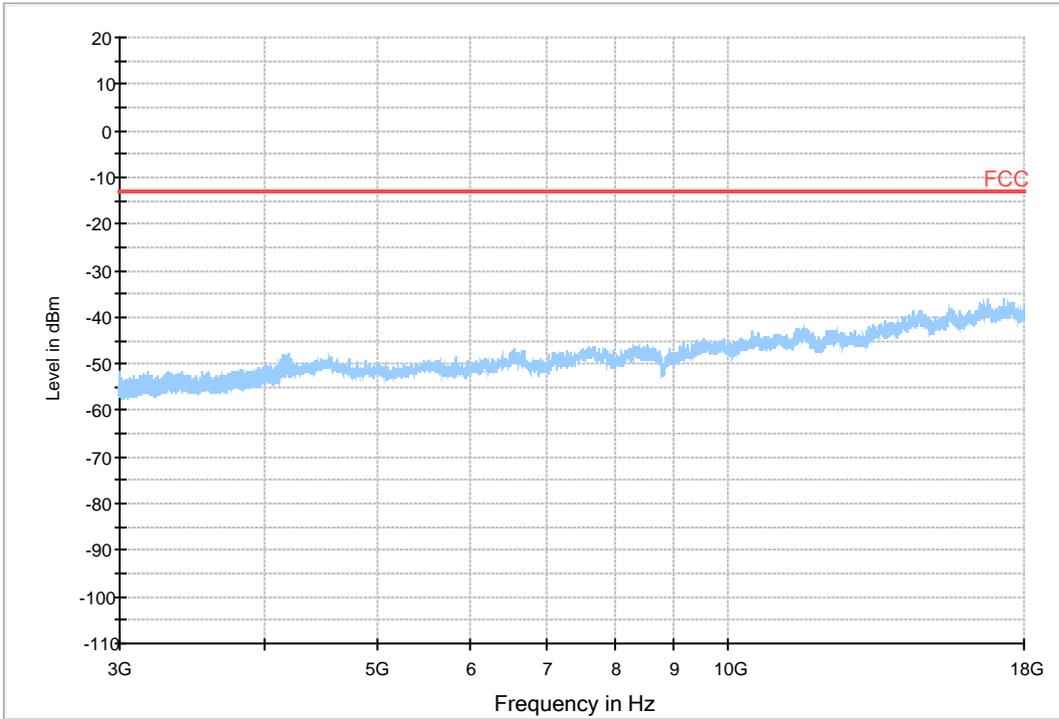
#### 7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850\_L

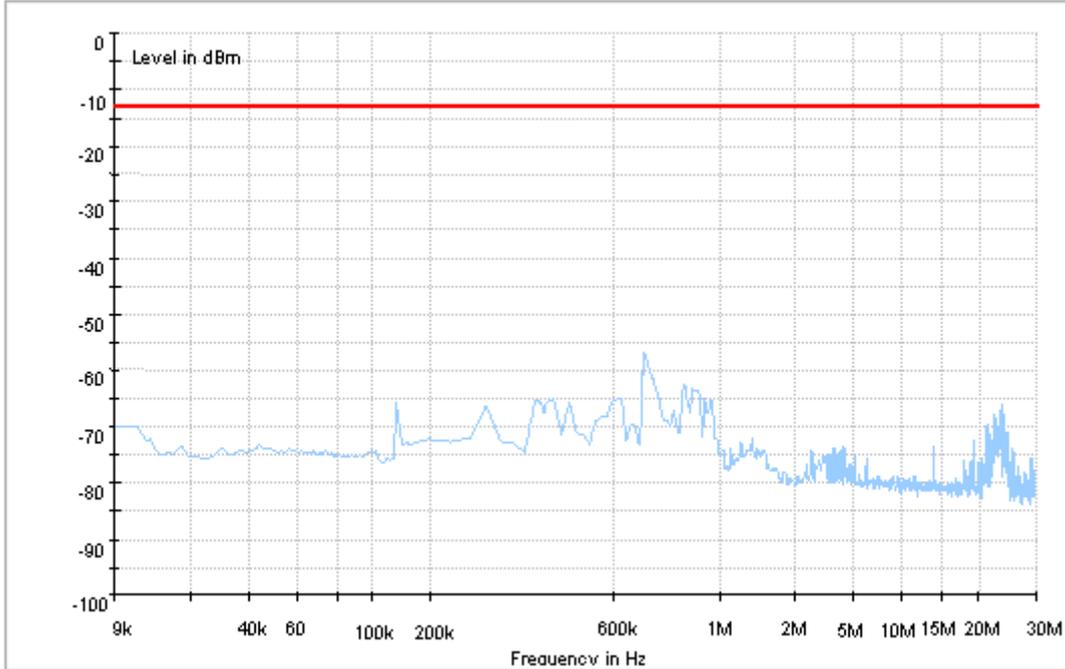


Copy of FCC PART22 WCDMA850\_H

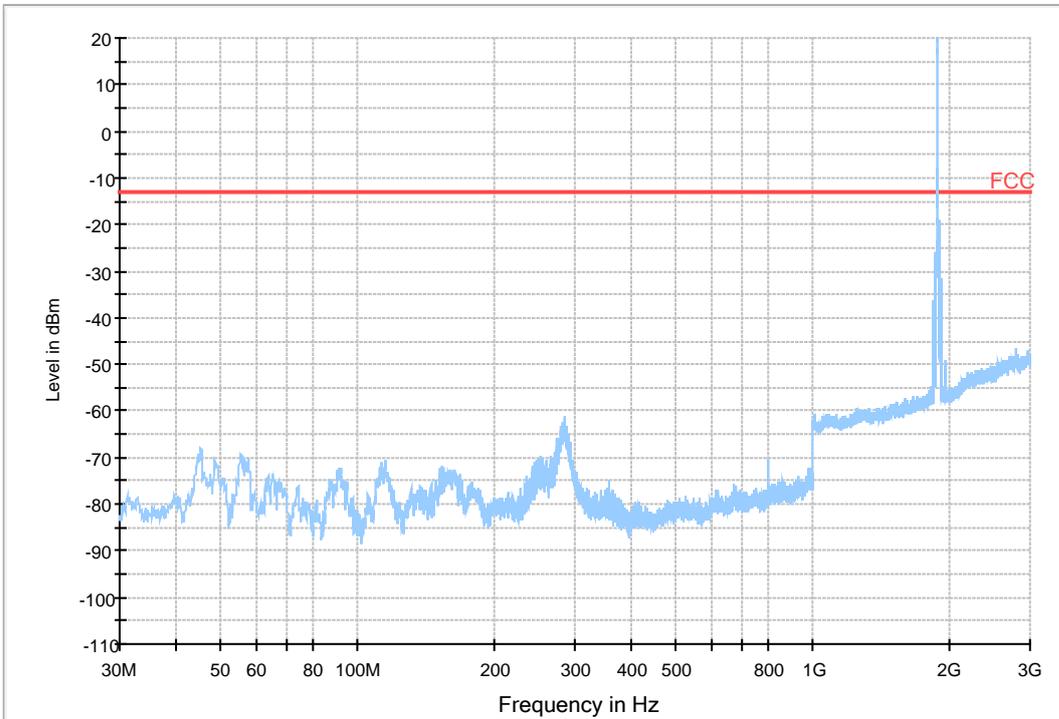


### 7.2.2 Test Band = WCDMA1900

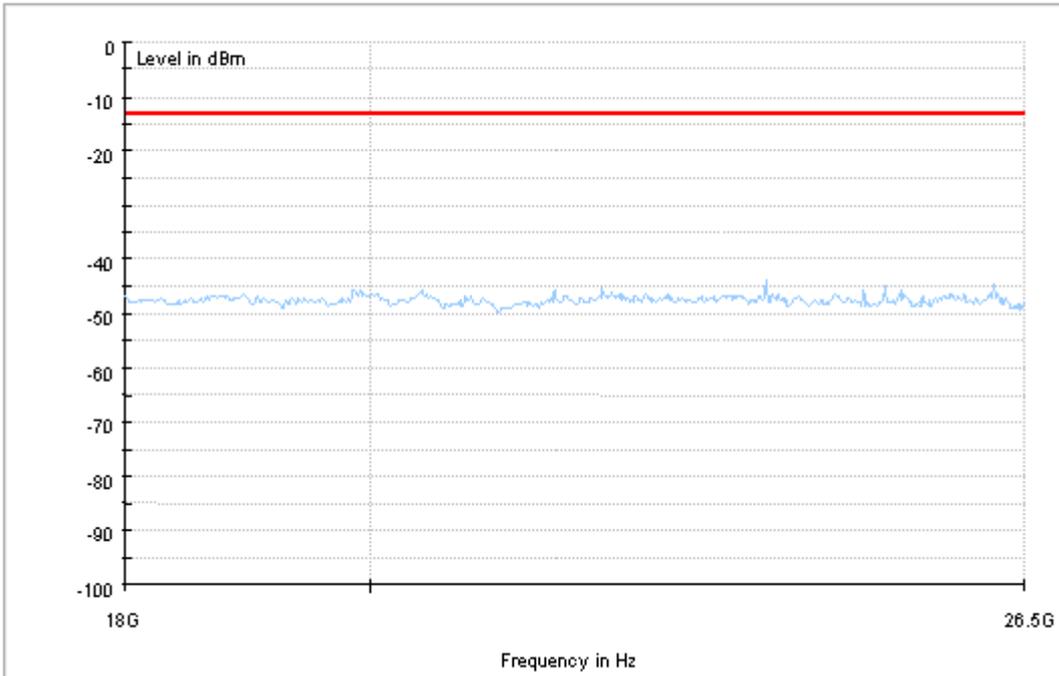
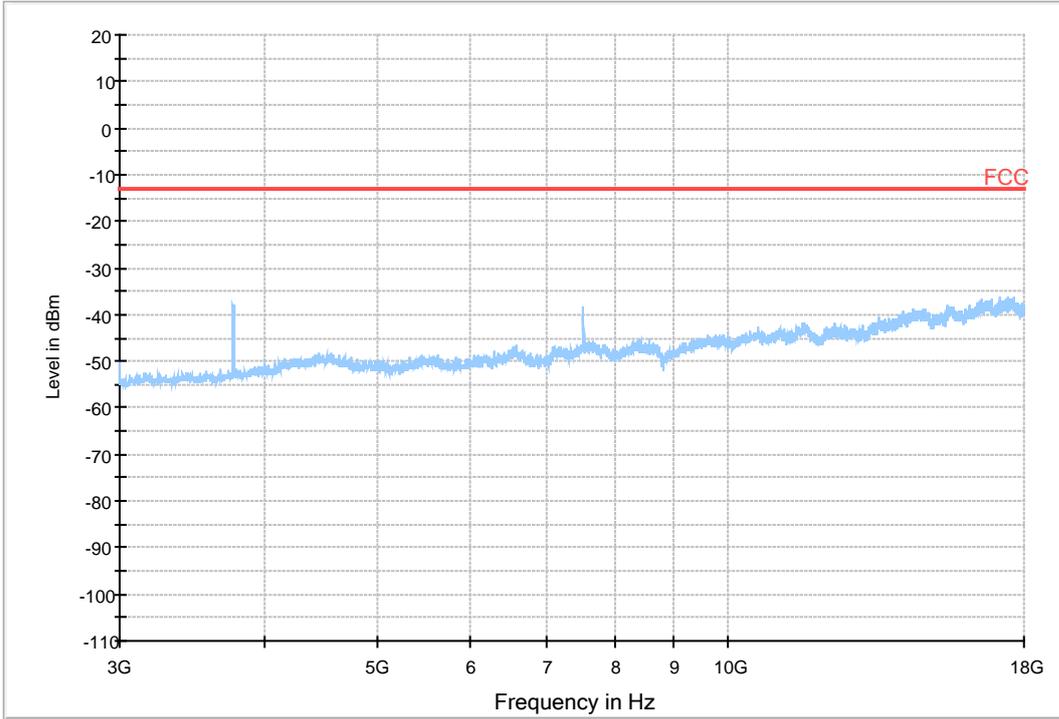
### 7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART24 WCDMA1900\_L



Copy of FCC PART24 WCDMA1900\_H



## 8Appendix\_H: Frequency Stability

### 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	-14.85	-0.01802	PASS
				VN	-19.11	-0.02319	PASS
				VH	-22.28	-0.02703	PASS
		MCH	TN	VL	-12.20	-0.01458	PASS
				VN	-14.21	-0.01699	PASS
				VH	-14.33	-0.01713	PASS
		HCH	TN	VL	-14.59	-0.01719	PASS
				VN	-19.50	-0.02297	PASS
				VH	-13.37	-0.01575	PASS
	GSM/TM2	LCH	TN	VL	-25.12	-0.03048	PASS
				VN	-26.76	-0.03247	PASS
				VH	-29.77	-0.03612	PASS
		MCH	TN	VL	-22.21	-0.02655	PASS
				VN	-27.70	-0.03311	PASS
				VH	-21.60	-0.02582	PASS
		HCH	TN	VL	-26.96	-0.03176	PASS
				VN	-25.41	-0.02994	PASS
				VH	-19.66	-0.02316	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-25.05	-0.01354	PASS
				VN	-32.87	-0.01777	PASS
				VH	-24.09	-0.01302	PASS
		MCH	TN	VL	-26.35	-0.01402	PASS
				VN	-28.67	-0.01525	PASS
				VH	-11.88	-0.00632	PASS
		HCH	TN	VL	-4.07	-0.00213	PASS
				VN	2.71	0.00142	PASS
				VH	-4.71	-0.00247	PASS
	GSM/TM2	LCH	TN	VL	-30.93	-0.01672	PASS
				VN	-44.04	-0.0238	PASS
				VH	-44.33	-0.02396	PASS
		MCH	TN	VL	-32.74	-0.01741	PASS
				VN	-28.19	-0.01499	PASS
				VH			



Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VH	-31.38	-0.01669	PASS
		HCH	TN	VL	-22.73	-0.0119	PASS
				VN	-27.38	-0.01434	PASS
				VH	-11.66	-0.00611	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
WCDMA850	UMTS/TM1	LCH	TN	VL	-6.26	-0.00758	PASS		
				VN	1.22	0.00148	PASS		
				VH	-5.87	-0.0071	PASS		
		MCH	TN	VL	-3.52	-0.00421	PASS		
				VN	-0.66	-0.00079	PASS		
				VH	-3.49	-0.00417	PASS		
		HCH	TN	VL	-6.35	-0.0075	PASS		
				VN	1.79	0.00211	PASS		
				VH	5.46	0.00645	PASS		
		WCDMA1900	UMTS/TM1	LCH	TN	VL	-24.26	-0.0131	PASS
						VN	-10.15	-0.00548	PASS
						VH	-0.44	-0.00024	PASS
MCH	TN			VL	-14.54	-0.00773	PASS		
				VN	5.46	0.0029	PASS		
				VH	-8.33	-0.00443	PASS		
HCH	TN			VL	4.26	0.00223	PASS		
				VN	-1.04	-0.00055	PASS		
				VH	-7.83	-0.0041	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	-21.11	-0.02561	PASS
				-20	-21.63	-0.02624	PASS
				-10	-17.50	-0.02123	PASS
				0	-22.47	-0.02726	PASS
				10	-18.85	-0.02287	PASS
				20	-19.11	-0.02319	PASS
				30	-20.86	-0.02531	PASS
				40	-20.08	-0.02436	PASS
				50	-11.49	-0.01394	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	VN	-30	-15.69	-0.01875	PASS
				-20	-17.76	-0.02123	PASS
				-10	-17.76	-0.02123	PASS
				0	-15.17	-0.01813	PASS
				10	-16.59	-0.01983	PASS
				20	-14.01	-0.01675	PASS
				30	-16.47	-0.01969	PASS
				40	-17.56	-0.02099	PASS
				50	-17.43	-0.02083	PASS
		HCH	VN	-30	-15.95	-0.01879	PASS
				-20	-16.79	-0.01978	PASS
				-10	-15.05	-0.01773	PASS
				0	-18.47	-0.02176	PASS
				10	-15.05	-0.01773	PASS
				20	-16.59	-0.01955	PASS
				30	-16.47	-0.0194	PASS
				40	-19.37	-0.02282	PASS
				50	-18.98	-0.02236	PASS
	GSM/TM2	LCH	VN	-30	-28.28	-0.03431	PASS
				-20	-29.35	-0.03561	PASS
				-10	-25.51	-0.03095	PASS
				0	-30.51	-0.03702	PASS
				10	-29.90	-0.03628	PASS
				20	-27.38	-0.03322	PASS
				30	-28.70	-0.03482	PASS
				40	-28.22	-0.03424	PASS
				50	-20.08	-0.02436	PASS
		MCH	VN	-30	-25.34	-0.03029	PASS
				-20	-26.89	-0.03214	PASS
				-10	-15.82	-0.01891	PASS
				0	-26.89	-0.03214	PASS
				10	-20.21	-0.02726	PASS
				20	-21.57	-0.02287	PASS
				30	-23.34	-0.02319	PASS
				40	-22.21	-0.02655	PASS
				50	-18.95	-0.02265	PASS
HCH	VN	-30	-30.22	-0.0356	PASS		
		-20	-21.57	-0.02541	PASS		
		-10	-21.83	-0.02572	PASS		
		0	-26.67	-0.03142	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				10	-21.57	-0.02541	PASS
				20	-28.19	-0.03321	PASS
				30	-23.15	-0.02727	PASS
				40	-23.73	-0.02796	PASS
				50	-24.80	-0.02922	PASS
GSM1900	GSM/TM1	LCH	VN	-30	-26.28	-0.0142	PASS
				-20	-25.38	-0.01372	PASS
				-10	-25.51	-0.01379	PASS
				0	-21.83	-0.0118	PASS
				10	-27.44	-0.01483	PASS
				20	-29.38	-0.01588	PASS
				30	-14.46	-0.00782	PASS
				40	-27.44	-0.01483	PASS
				50	-20.99	-0.01134	PASS
		MCH	VN	-30	-19.50	-0.01037	PASS
				-20	-22.28	-0.01185	PASS
				-10	-20.34	-0.01082	PASS
				0	-21.50	-0.01144	PASS
				10	-26.41	-0.01405	PASS
				20	-20.34	-0.01082	PASS
				30	-29.32	-0.0156	PASS
				40	-20.40	-0.01085	PASS
				50	-19.57	-0.01041	PASS
	HCH	VN	-30	-4.33	-0.00227	PASS	
			-20	0.13	0.00007	PASS	
			-10	-3.87	-0.00203	PASS	
			0	2.07	0.00108	PASS	
			10	-4.71	-0.00247	PASS	
			20	3.75	0.00196	PASS	
			30	-1.61	-0.00084	PASS	
			40	-3.68	-0.00193	PASS	
			50	-5.17	-0.00271	PASS	
	GSM/TM2	LCH	VN	-30	-34.06	-0.01841	PASS
				-20	-41.46	-0.02241	PASS
				-10	-39.13	-0.02115	PASS
				0	-38.71	-0.02092	PASS
				10	-38.00	-0.02054	PASS
				20	-45.81	-0.02476	PASS
30				-46.94	-0.02537	PASS	
40				-43.13	-0.02331	PASS	

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				50	-38.84	-0.02099	PASS
		MCH	VN	-30	-25.93	-0.01379	PASS
				-20	-29.70	-0.0158	PASS
				-10	-36.48	-0.0194	PASS
				0	-27.60	-0.01468	PASS
				10	-37.87	-0.02014	PASS
				20	-40.36	-0.02147	PASS
				30	-30.80	-0.01638	PASS
				40	-32.19	-0.01712	PASS
				50	-46.85	-0.02492	PASS
				HCH	VN	-30	-13.50
		-20	-14.37			-0.00752	PASS
		-10	-13.82			-0.00724	PASS
		0	-15.98			-0.00837	PASS
		10	-20.70			-0.01084	PASS
		20	-17.98			-0.00941	PASS
		30	-17.89			-0.00937	PASS
		40	-14.21			-0.00744	PASS
		50	-18.14			-0.0095	PASS

## 8.2 For UMTS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	VN	-30	-6.55	-0.00793	PASS
				-20	-4.79	-0.0058	PASS
				-10	-7.58	-0.00917	PASS
				0	-0.93	-0.00113	PASS
				10	2.84	0.00344	PASS
				20	0.90	0.00109	PASS
				30	-0.67	-0.00081	PASS
				40	0.67	0.00081	PASS
				50	-3.40	-0.00411	PASS
		MCH	VN	-30	-8.00	-0.00956	PASS
				-20	-8.21	-0.00982	PASS
				-10	0.47	0.00056	PASS
				0	-0.81	-0.00097	PASS
				10	-1.22	-0.00146	PASS
				20	6.27	0.0075	PASS
				30	1.11	0.00133	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				40	1.66	0.00198	PASS
				50	0.38	0.00045	PASS
		HCH	VN	-30	-8.73	-0.01031	PASS
				-20	-3.14	-0.00371	PASS
				-10	7.28	0.0086	PASS
				0	2.58	0.00305	PASS
				10	0.81	0.00096	PASS
				20	0.75	0.00089	PASS
				30	-0.63	-0.00074	PASS
				40	-1.65	-0.00195	PASS
				50	-1.13	-0.00133	PASS
				WCDMA1900	UMTS/TM1	LCH	VN
-20	4.06	0.00219	PASS				
-10	-2.78	-0.0015	PASS				
0	-7.87	-0.00425	PASS				
10	-6.68	-0.00361	PASS				
20	-0.99	-0.00053	PASS				
30	-12.57	-0.00679	PASS				
40	-2.69	-0.00145	PASS				
50	-1.36	-0.00073	PASS				
MCH	VN	-30	-14.19			-0.00755	PASS
		-20	-7.49			-0.00398	PASS
		-10	-9.17			-0.00488	PASS
		0	-12.05			-0.00641	PASS
		10	-8.83			-0.0047	PASS
		20	-5.84			-0.00311	PASS
		30	-5.04			-0.00268	PASS
		40	-2.53			-0.00135	PASS
		50	-12.31			-0.00655	PASS
HCH	VN	-30	-1.88			-0.00099	PASS
		-20	-12.30			-0.00645	PASS
		-10	-3.23			-0.00169	PASS
		0	-12.88			-0.00675	PASS
		10	2.52			0.00132	PASS
		20	-5.95			-0.00312	PASS
		30	-7.68			-0.00403	PASS
		40	-3.62			-0.0019	PASS
		50	1.54			0.00081	PASS



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END