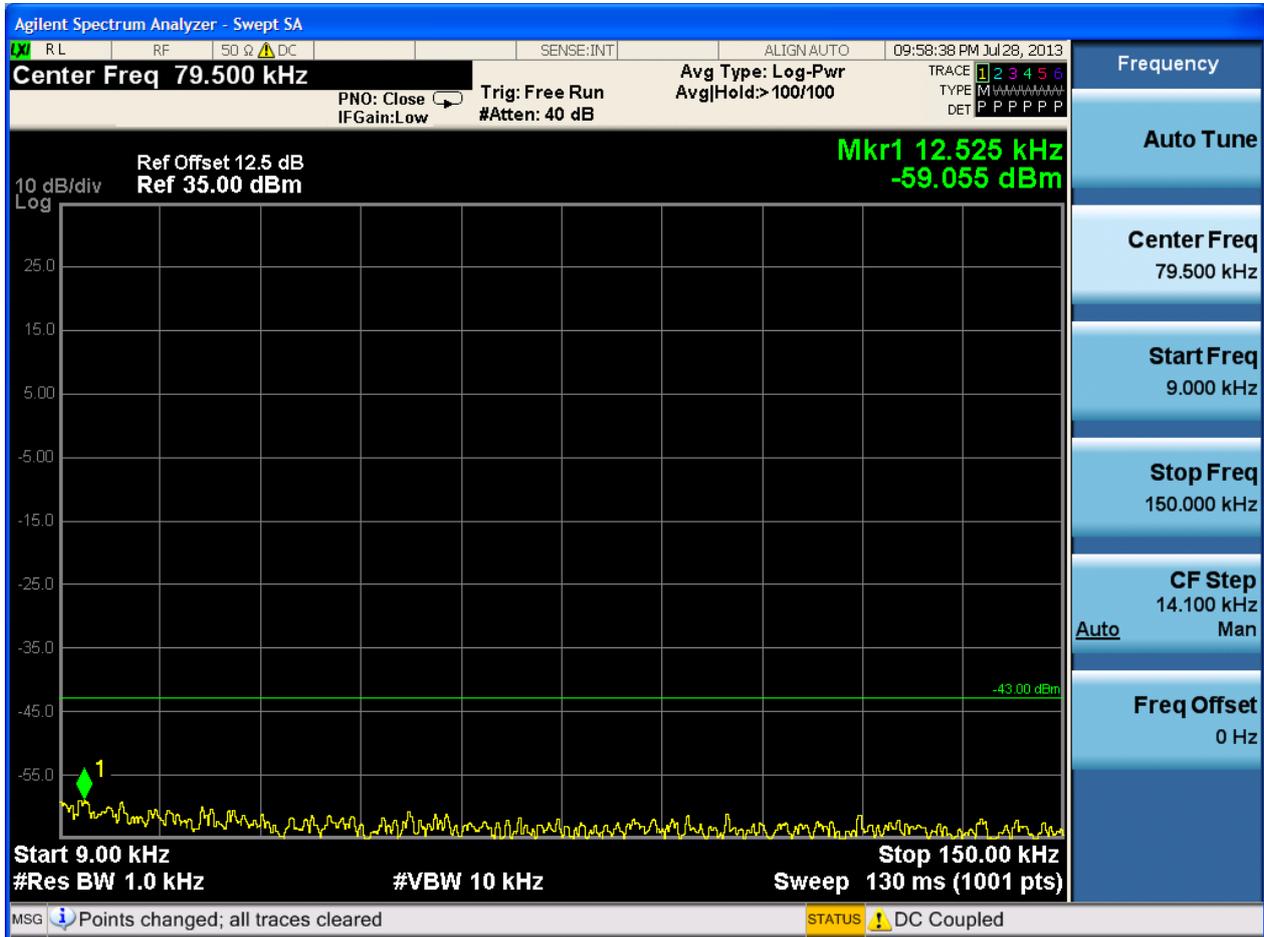
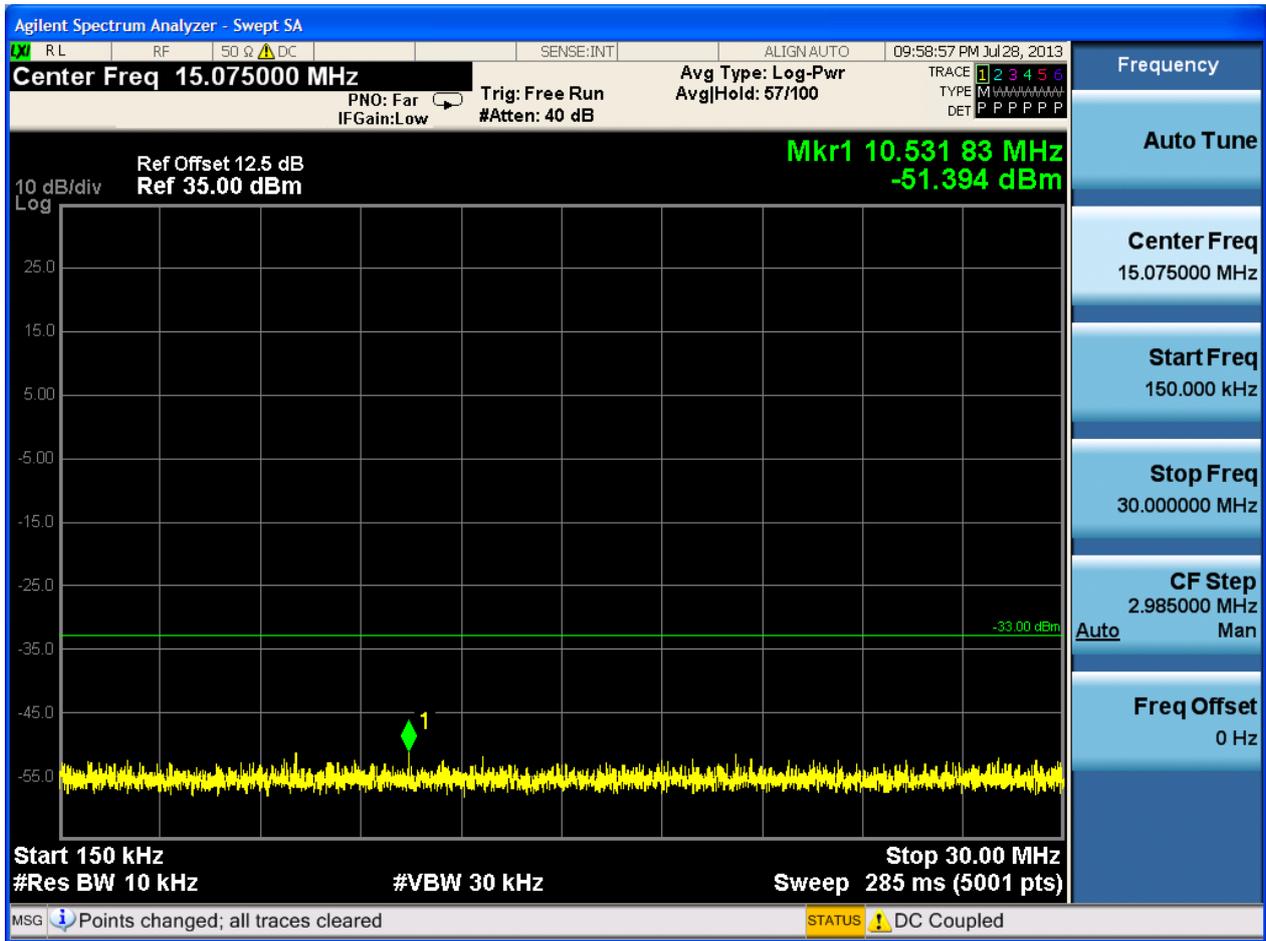
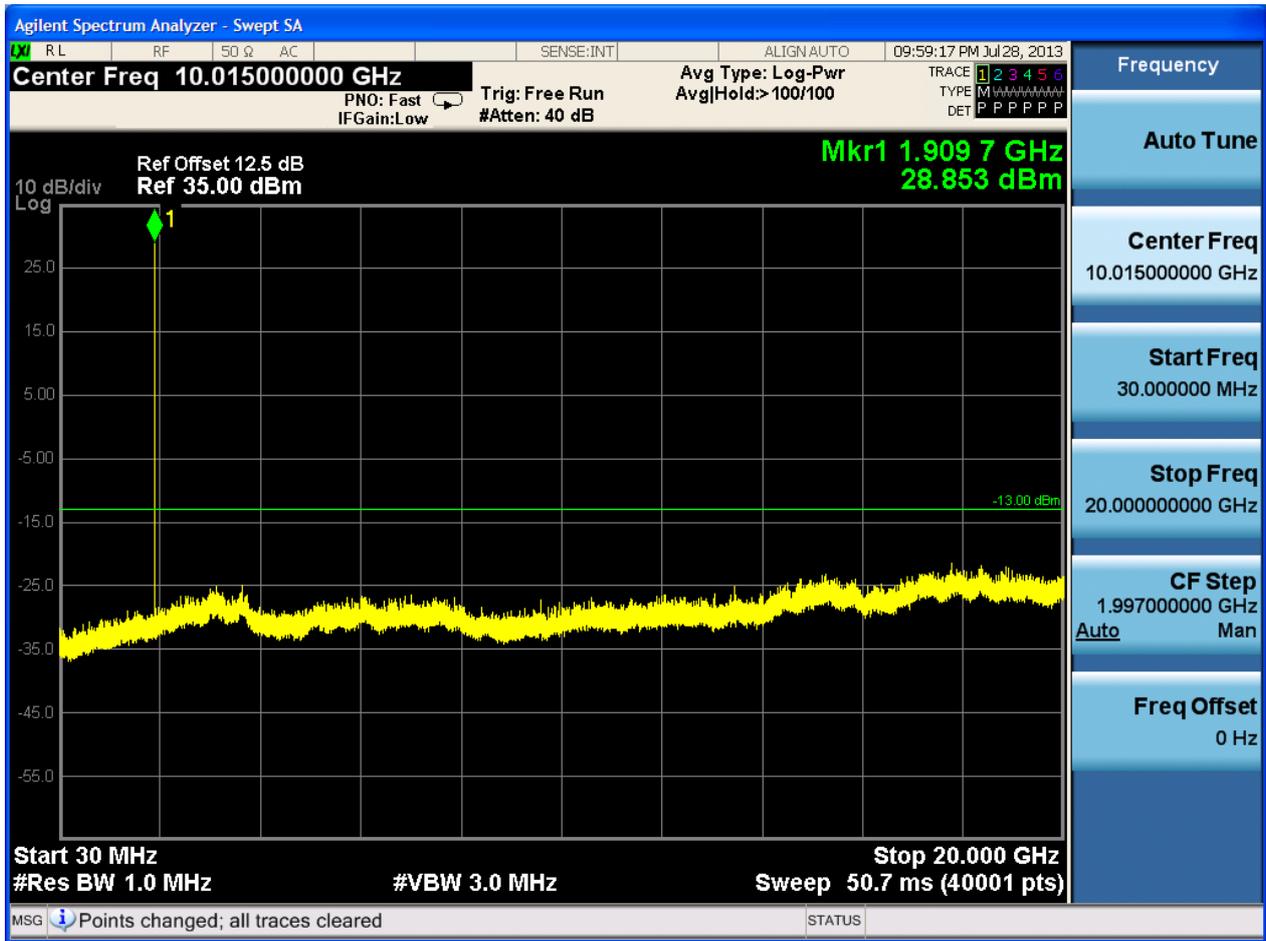




6.1.2.1.3 Test Channel = HCH

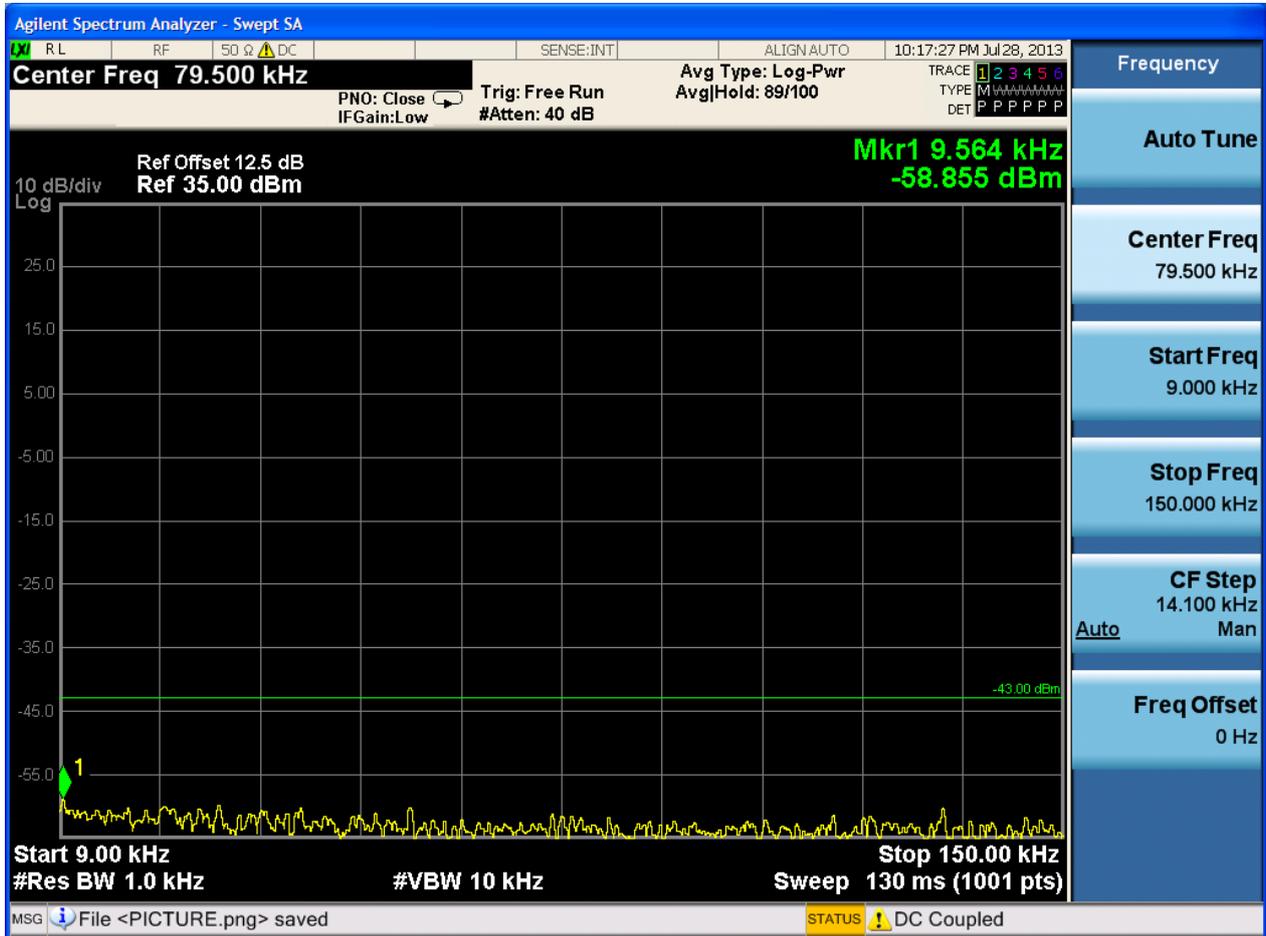


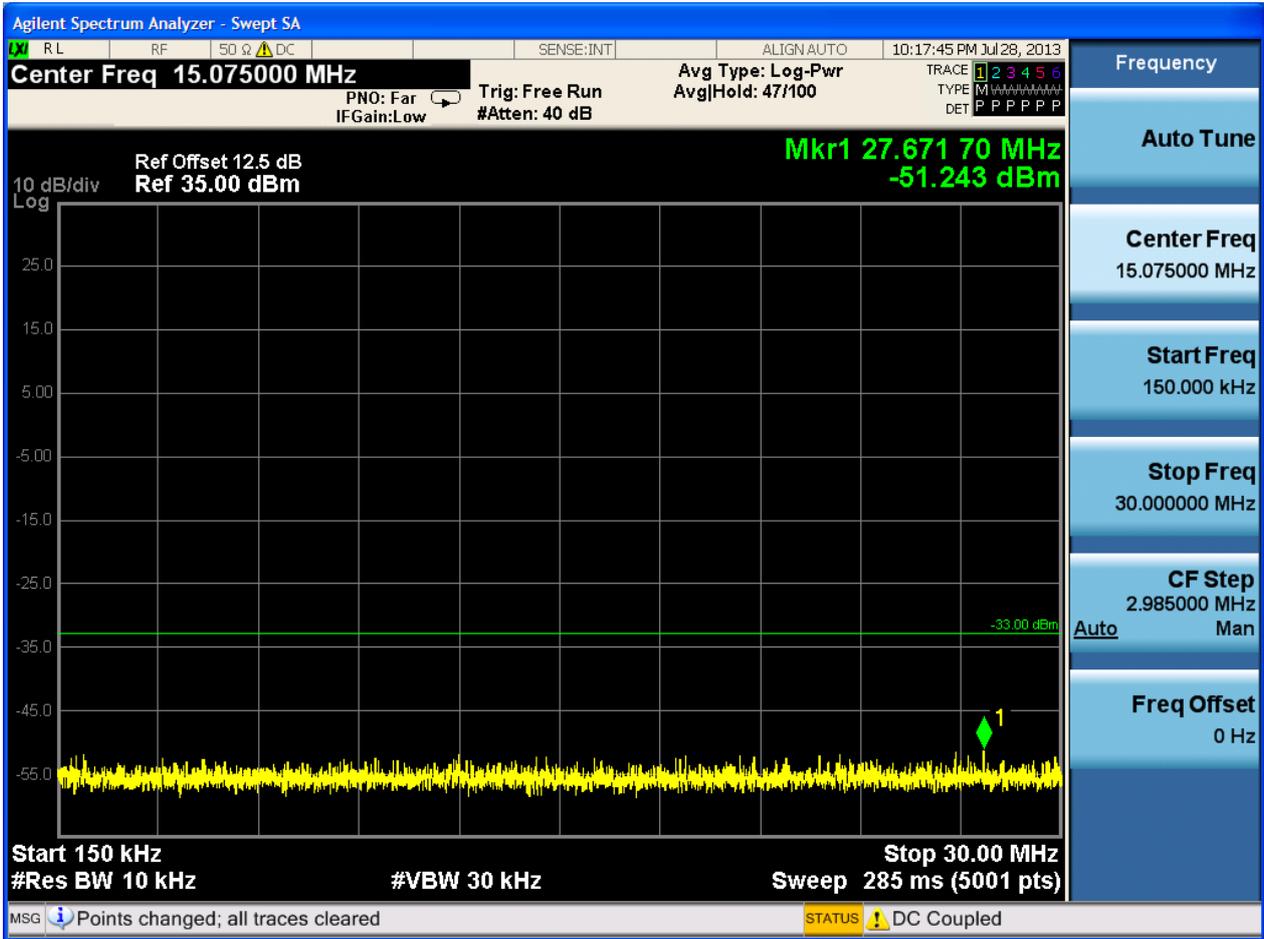


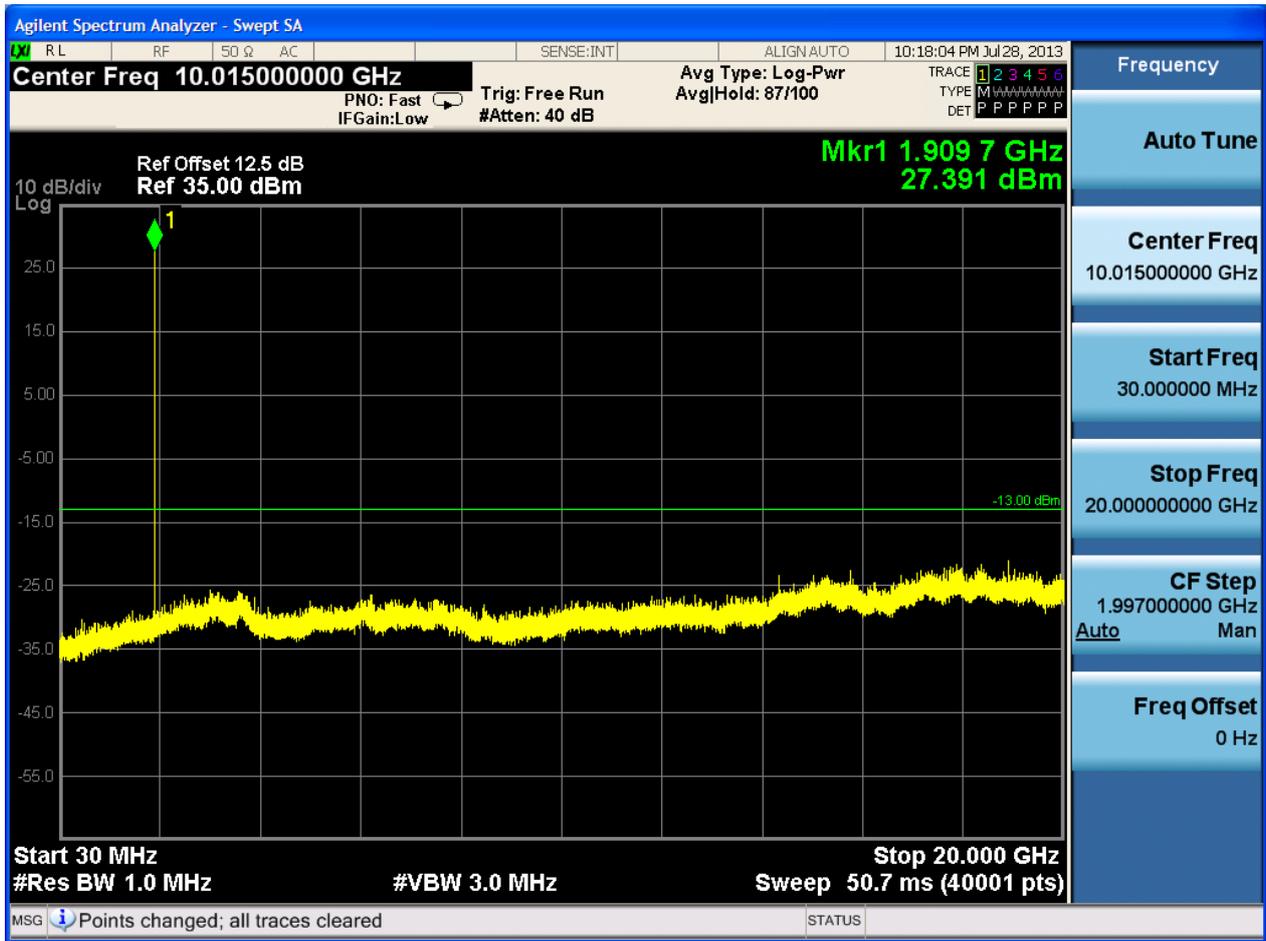


6.1.2.2 Test Mode = GSM/TM2

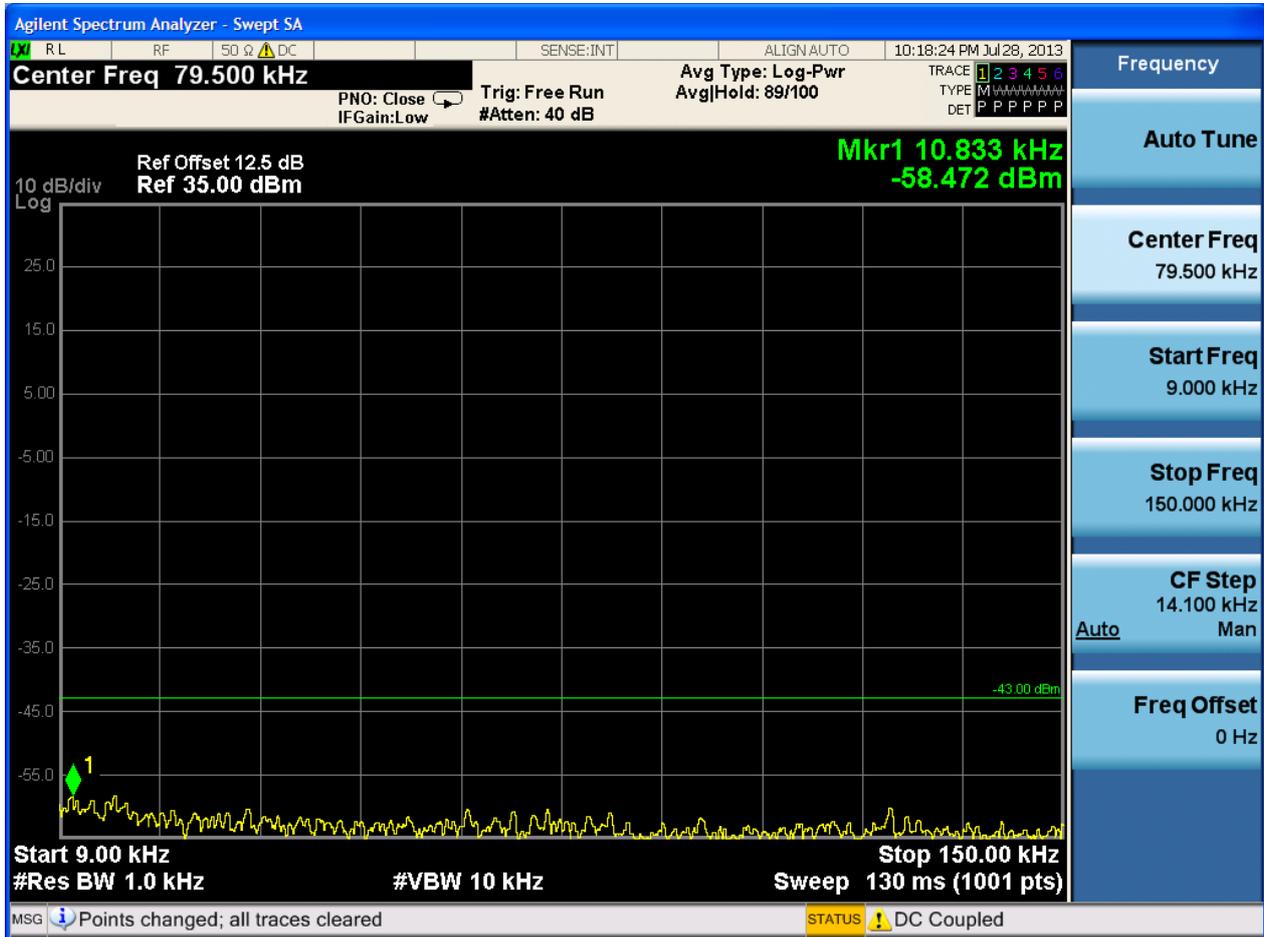
6.1.2.2.1 Test Channel = LCH

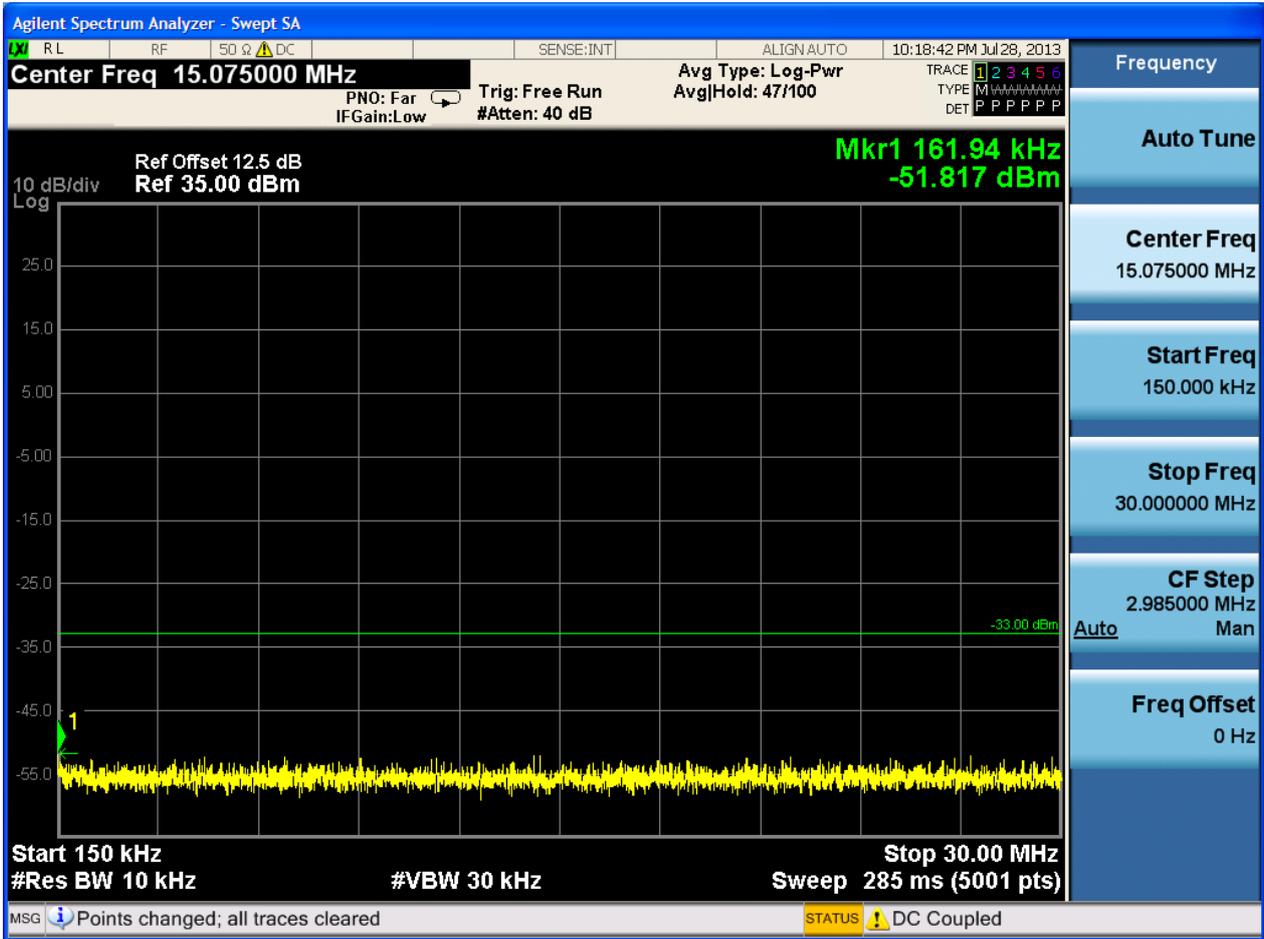


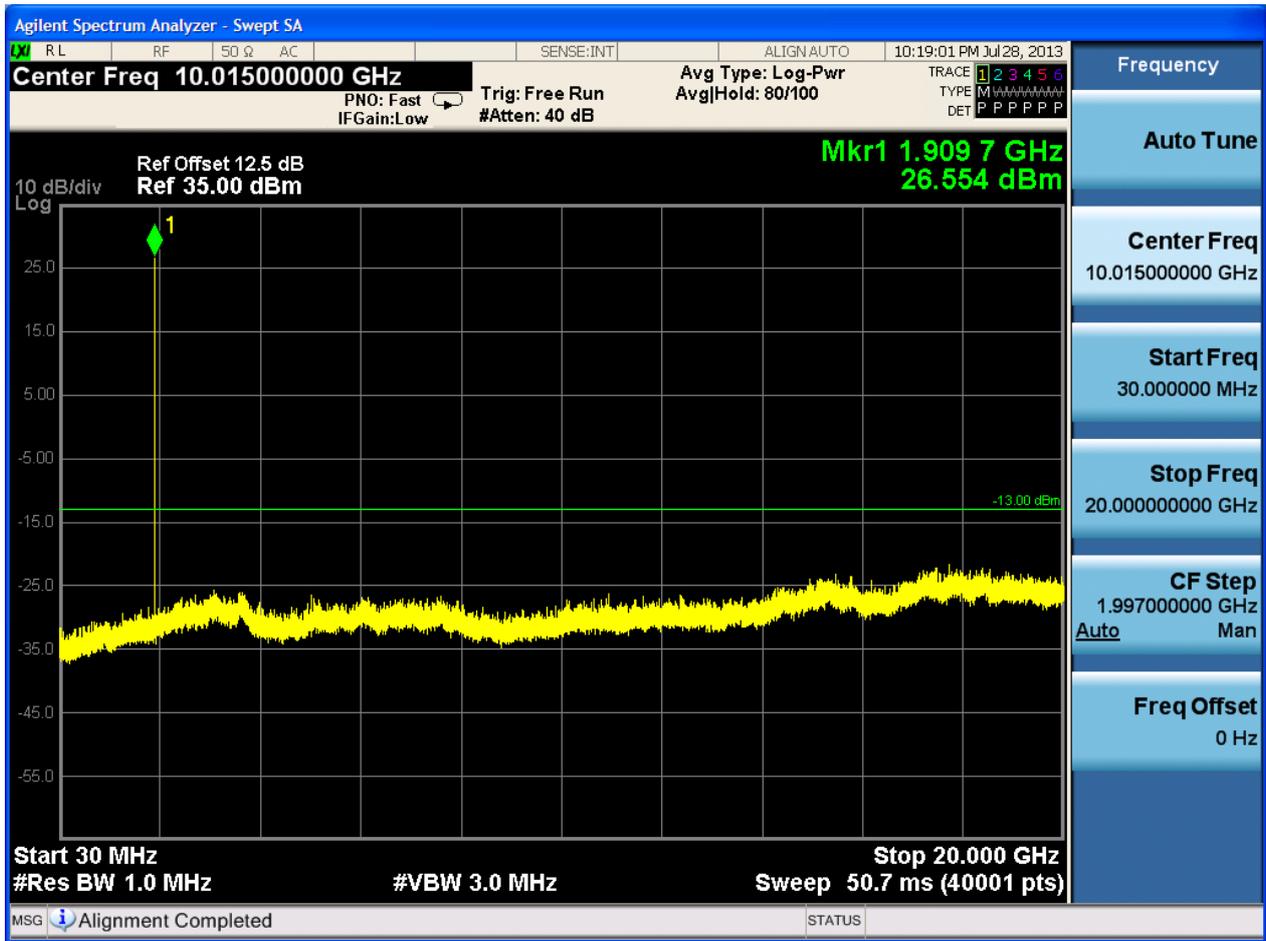




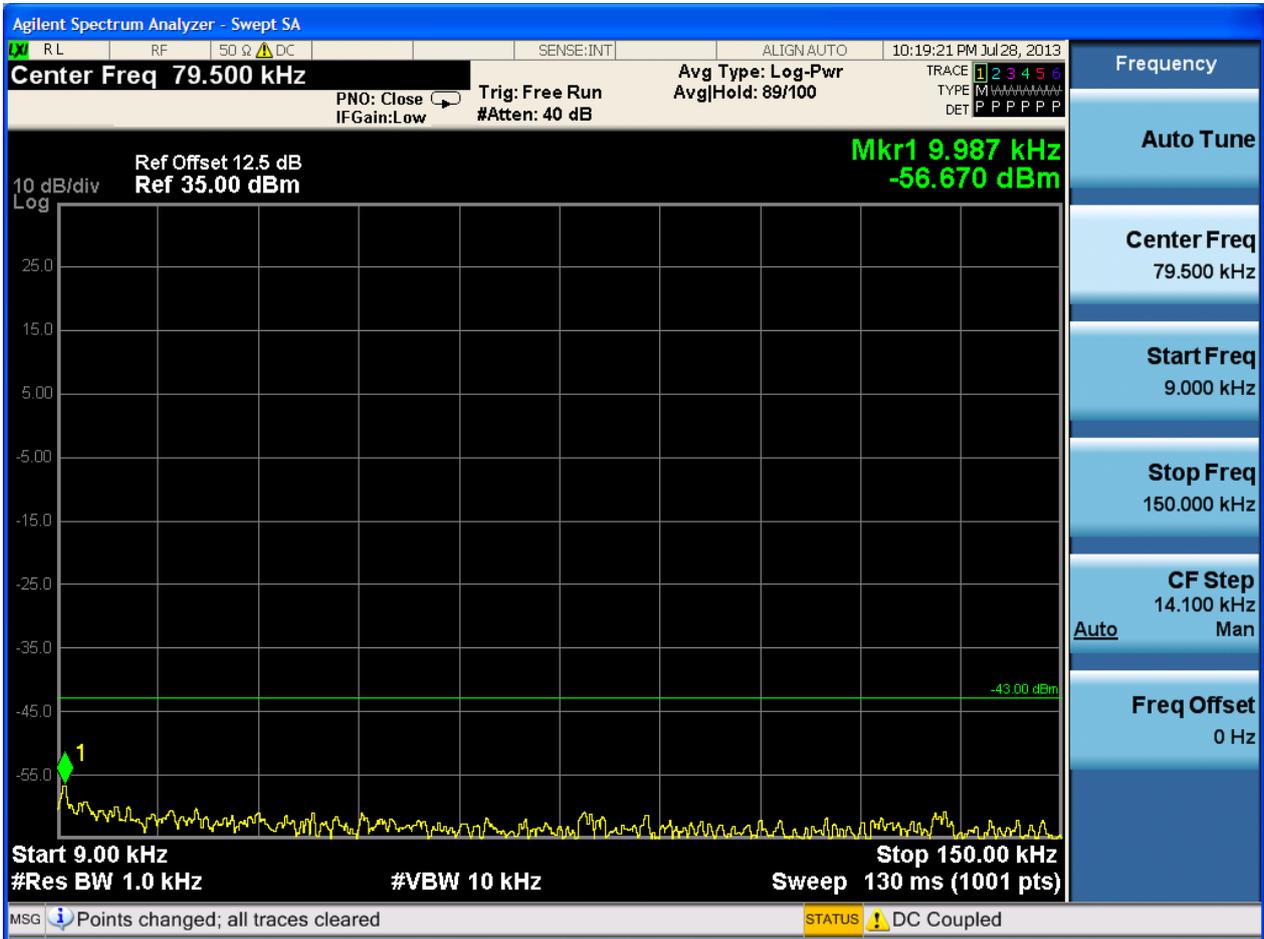
6.1.2.2.2 Test Channel = MCH

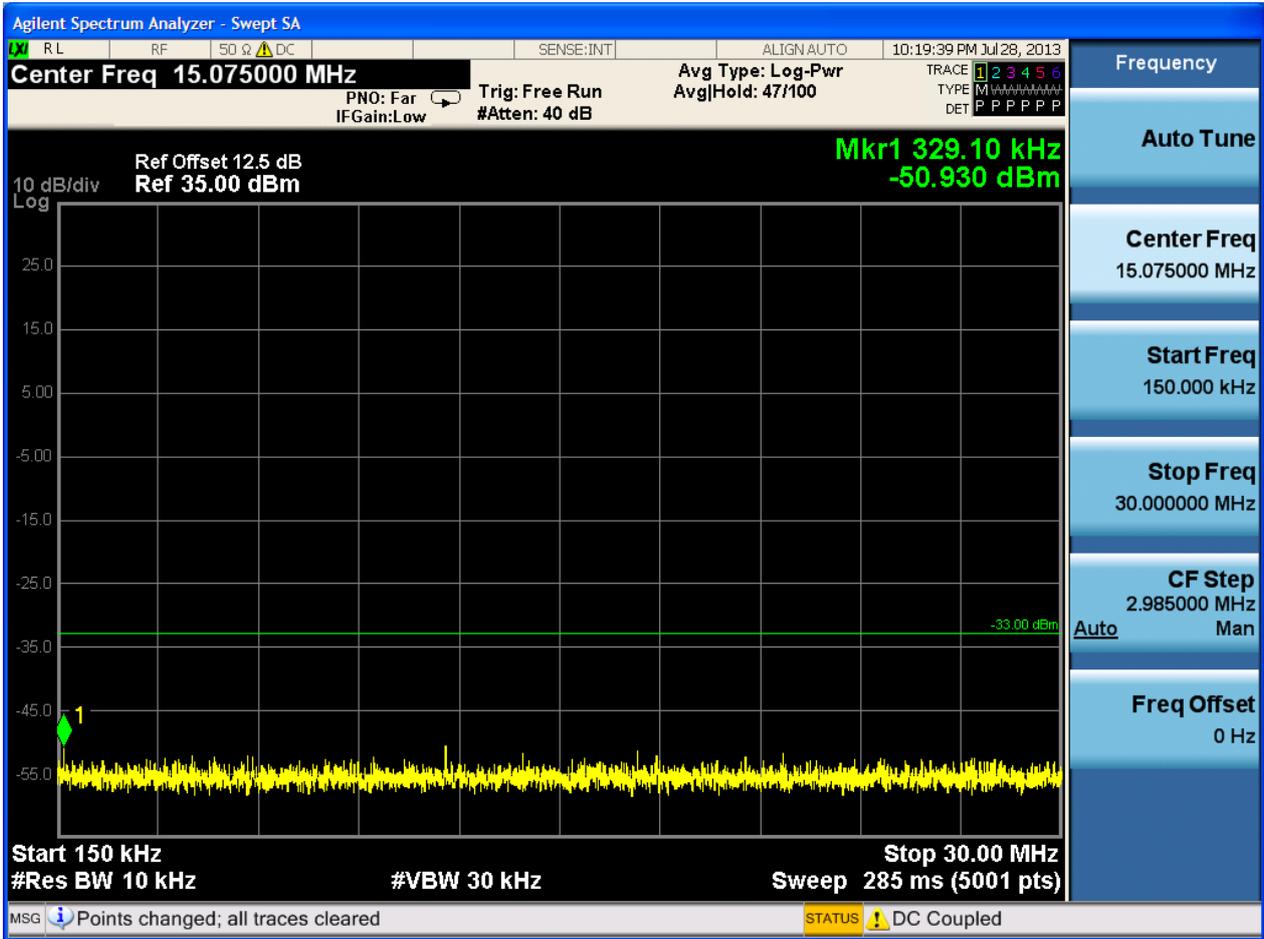






6.1.2.2.3 Test Channel = HCH





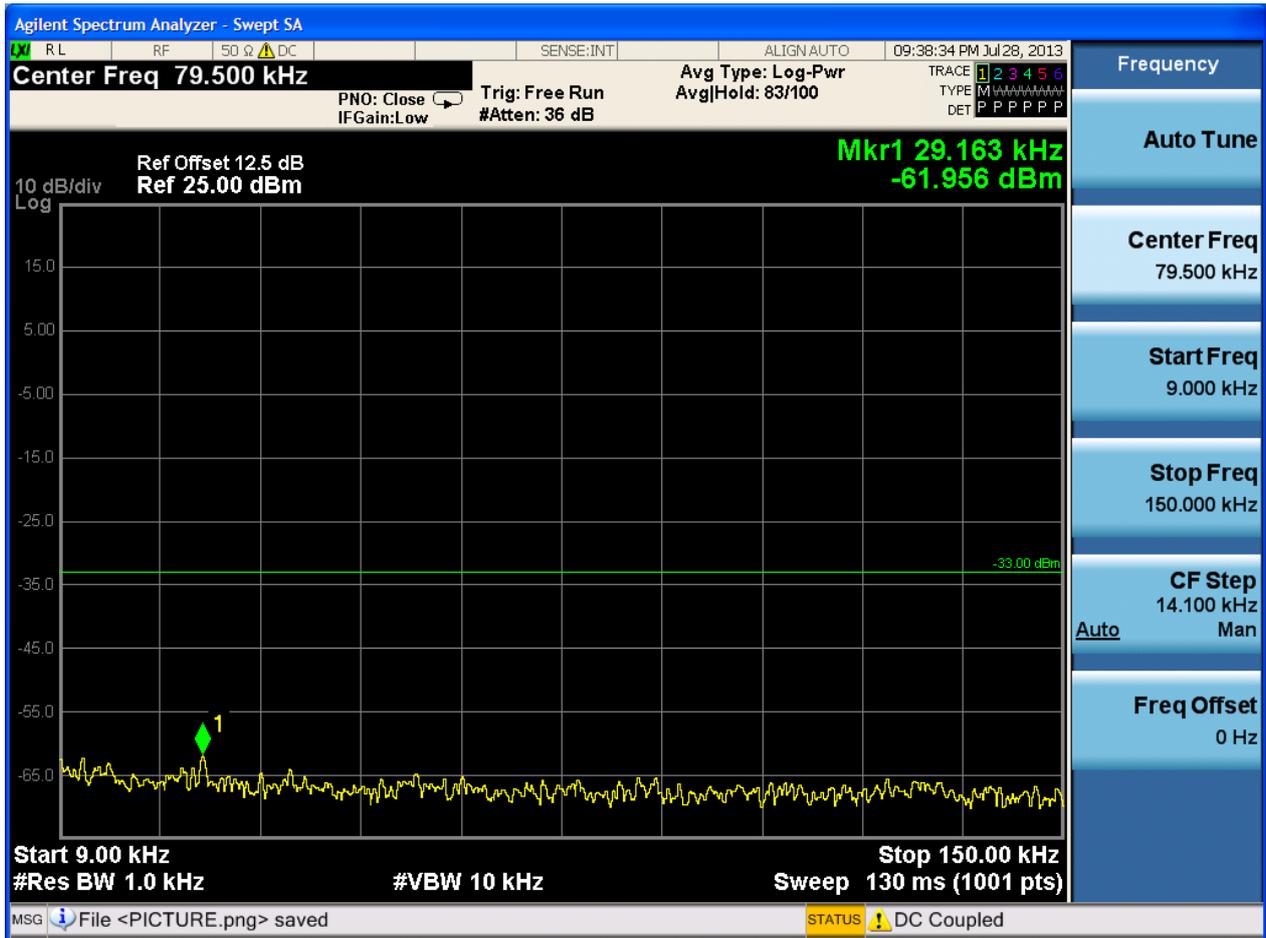


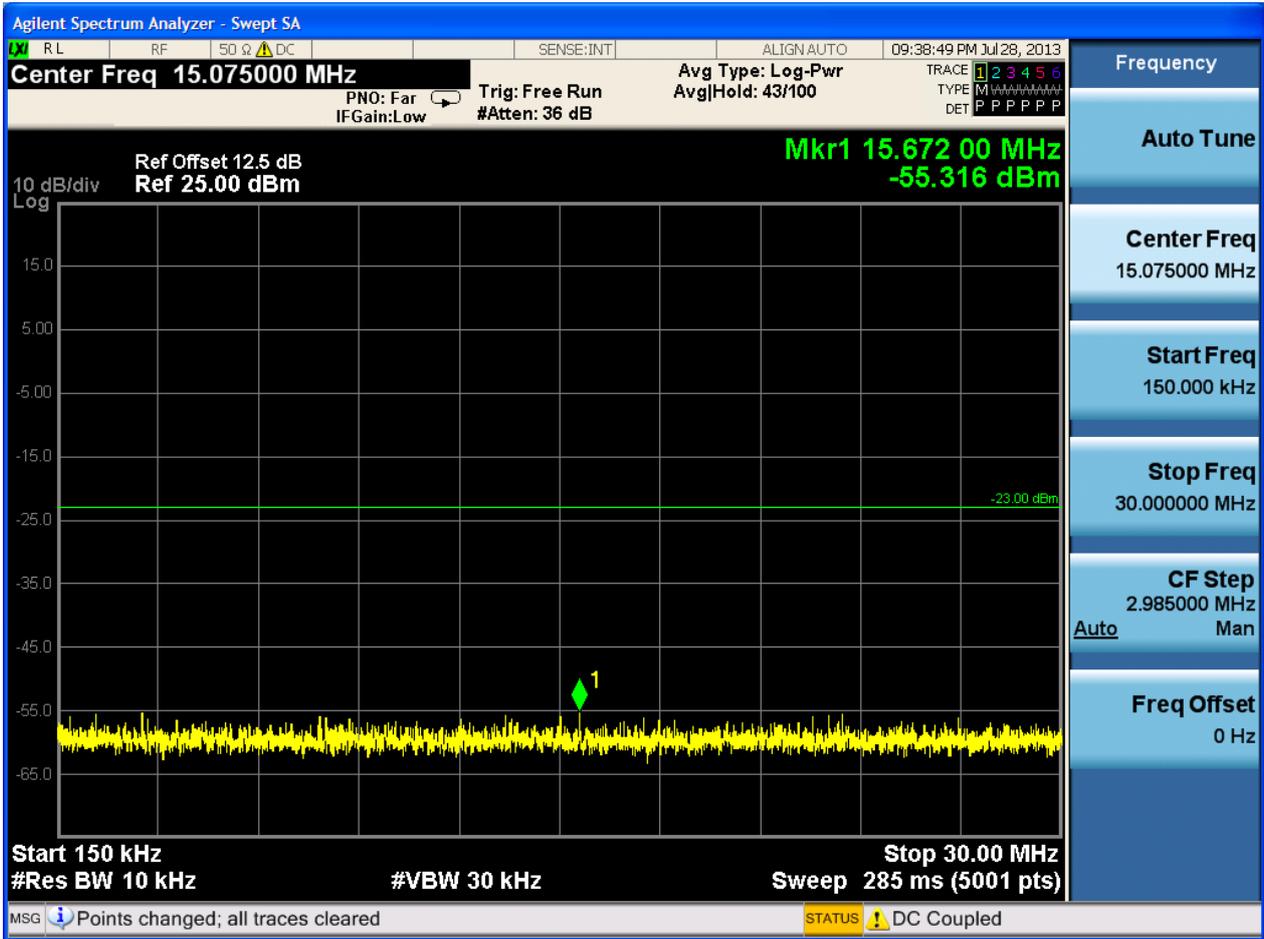
6.2 For UMTS

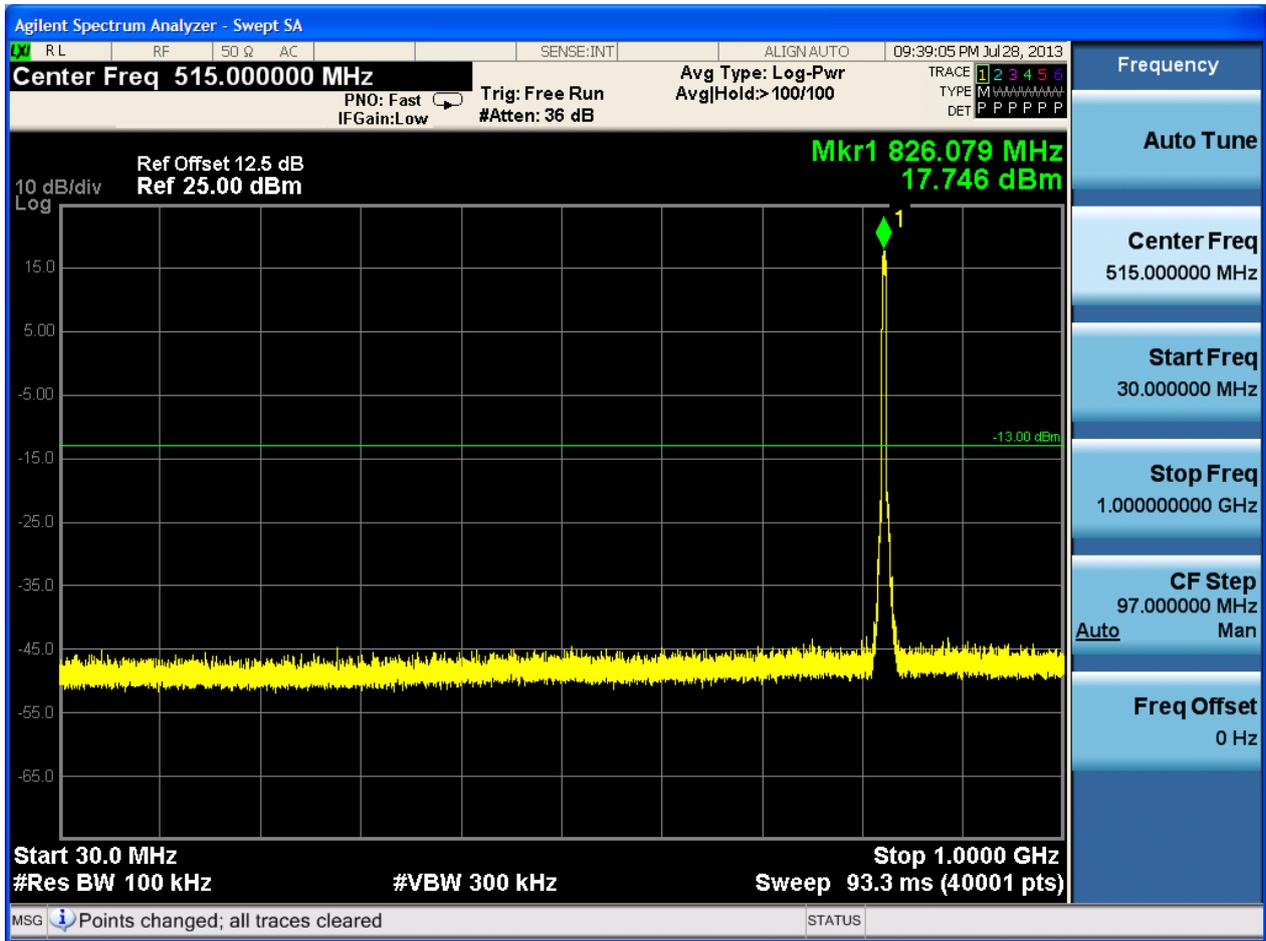
6.2.1 Test Band = WCDMA850

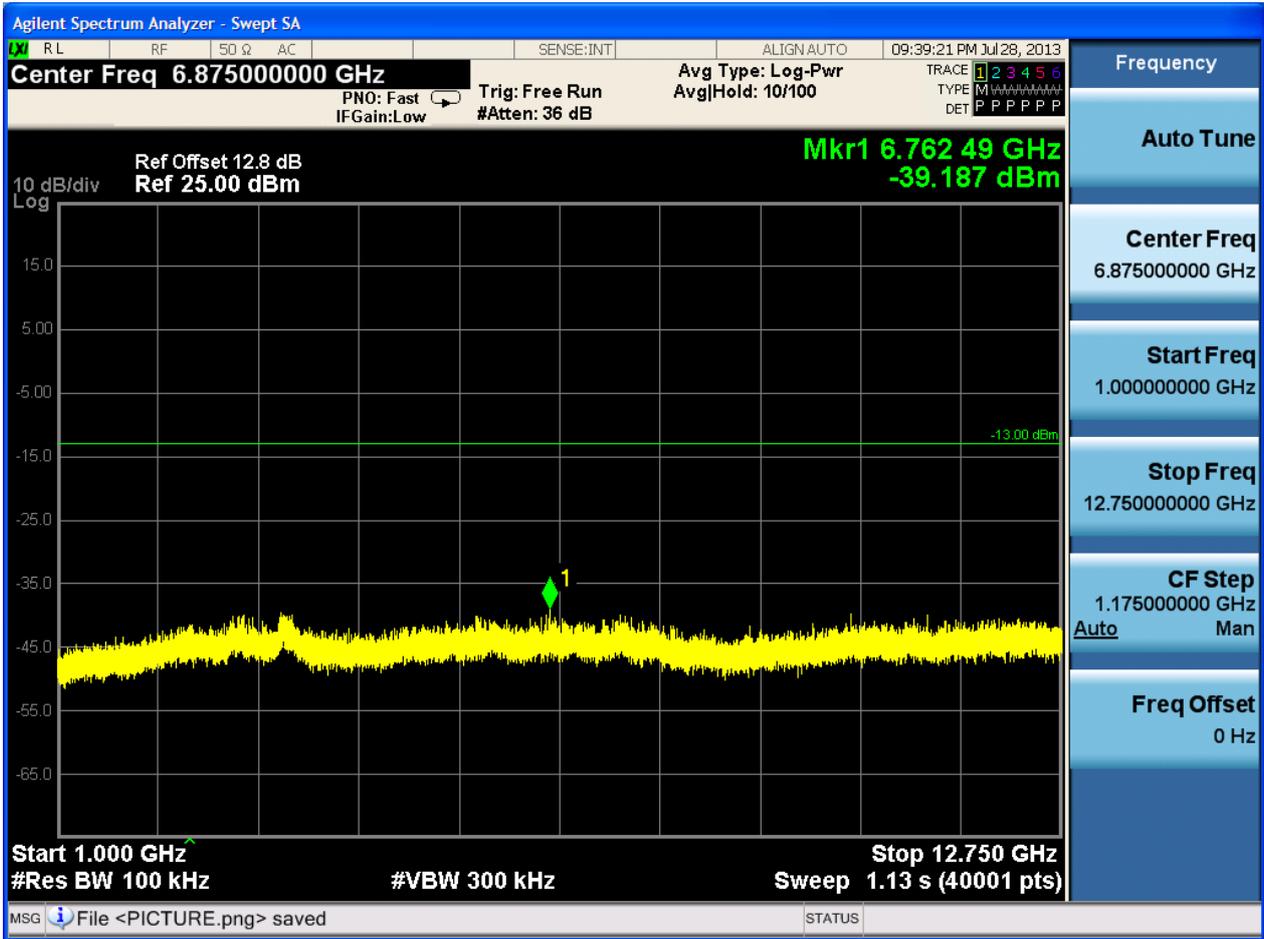
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

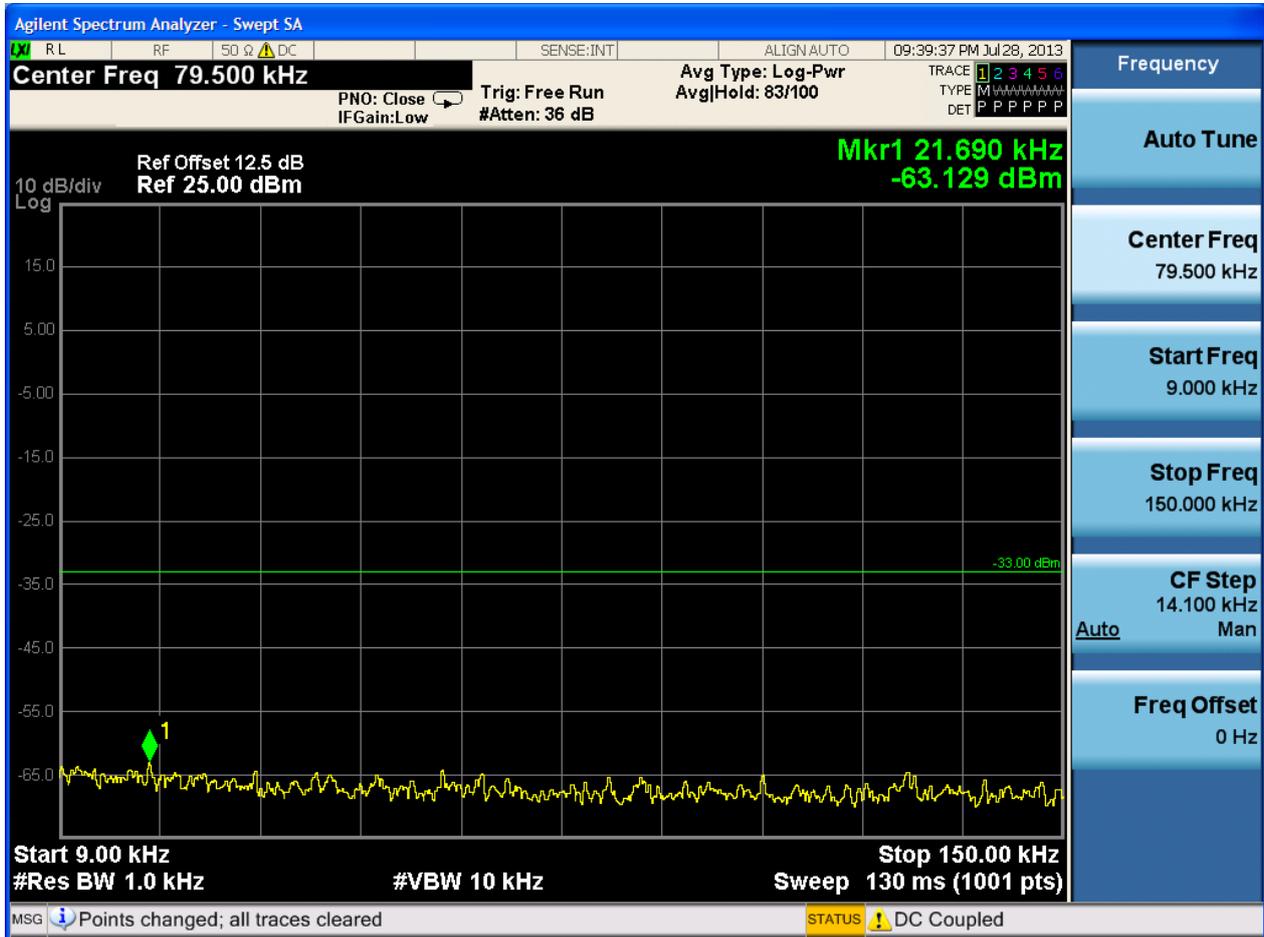


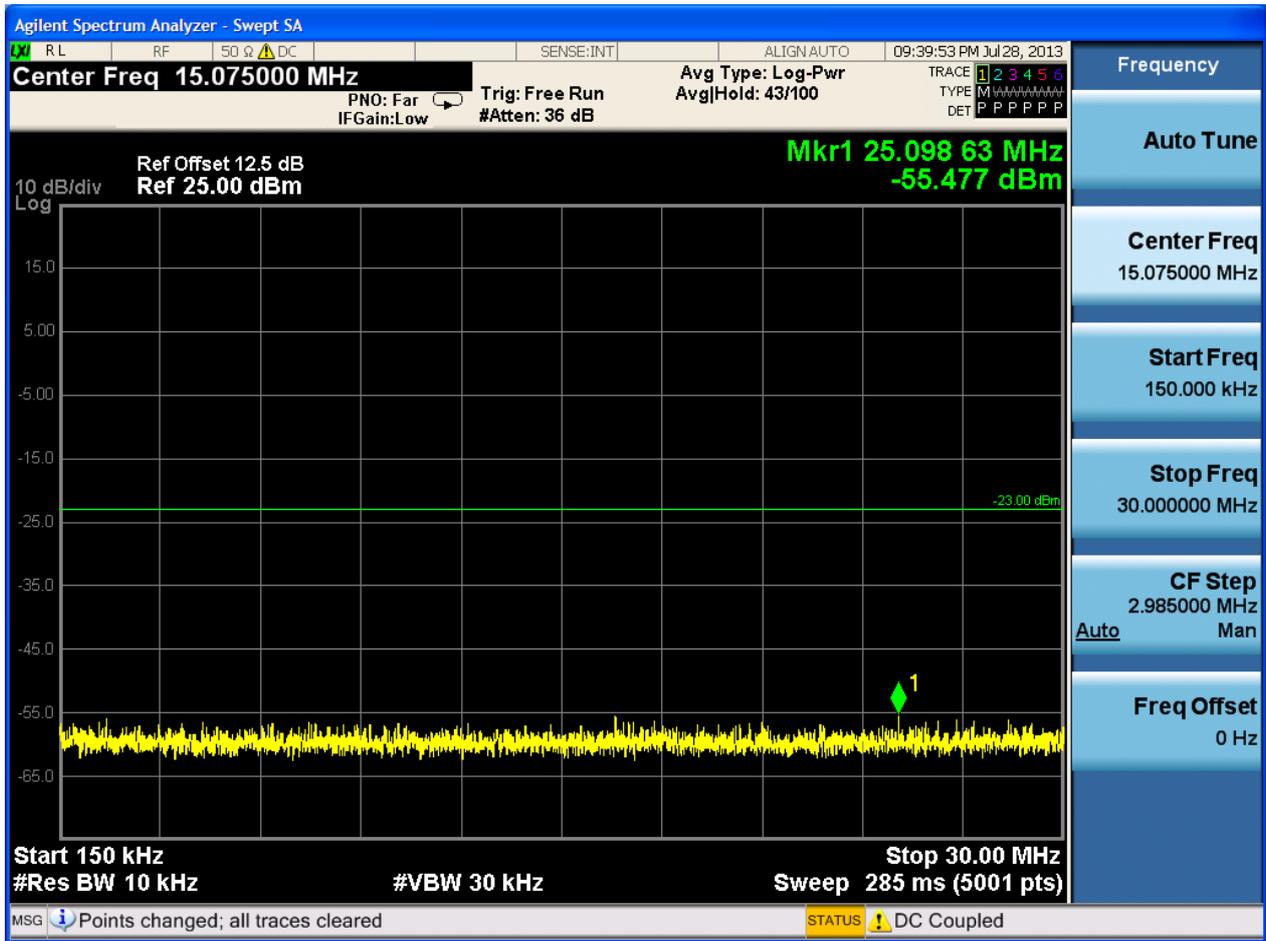


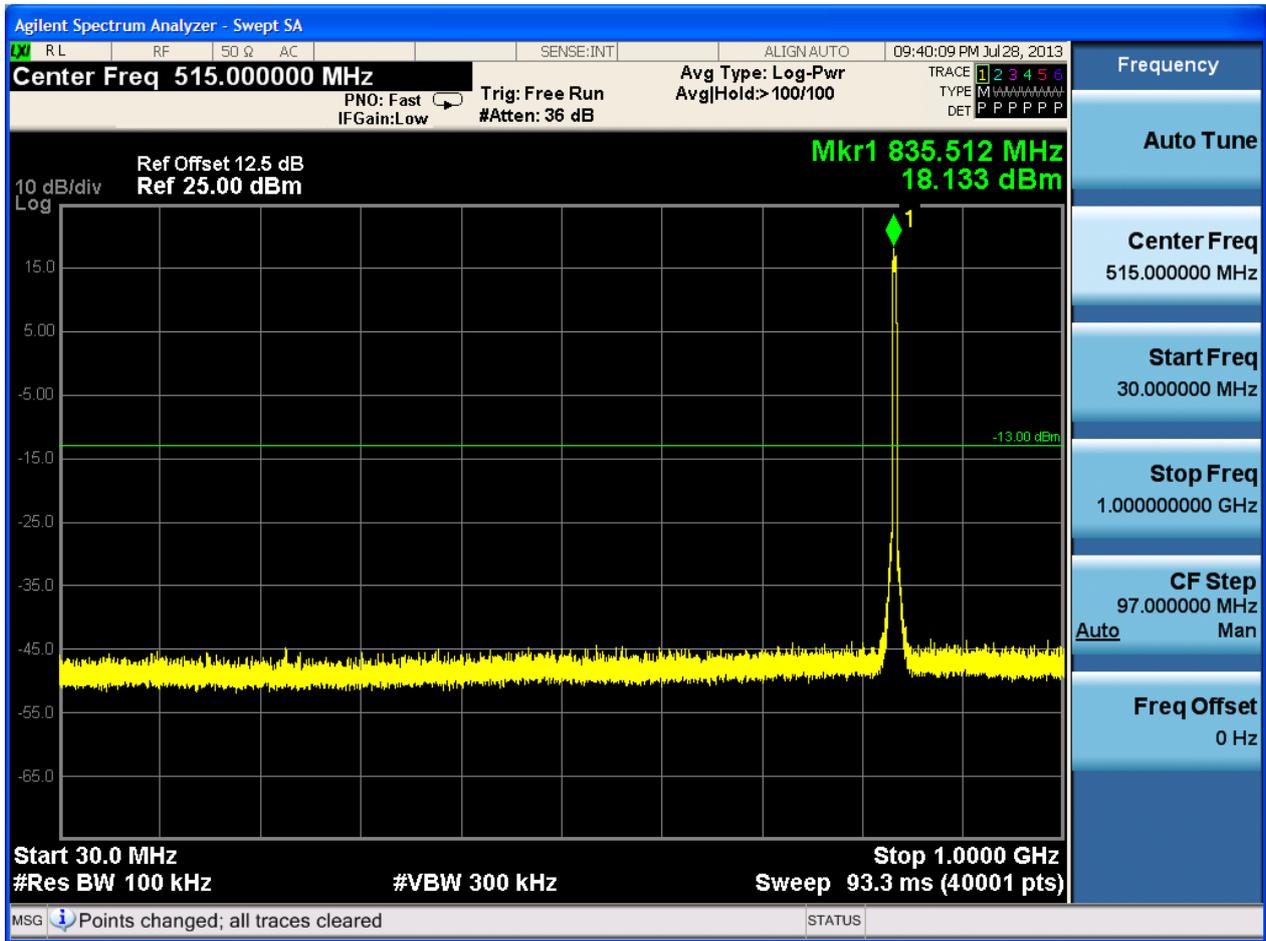


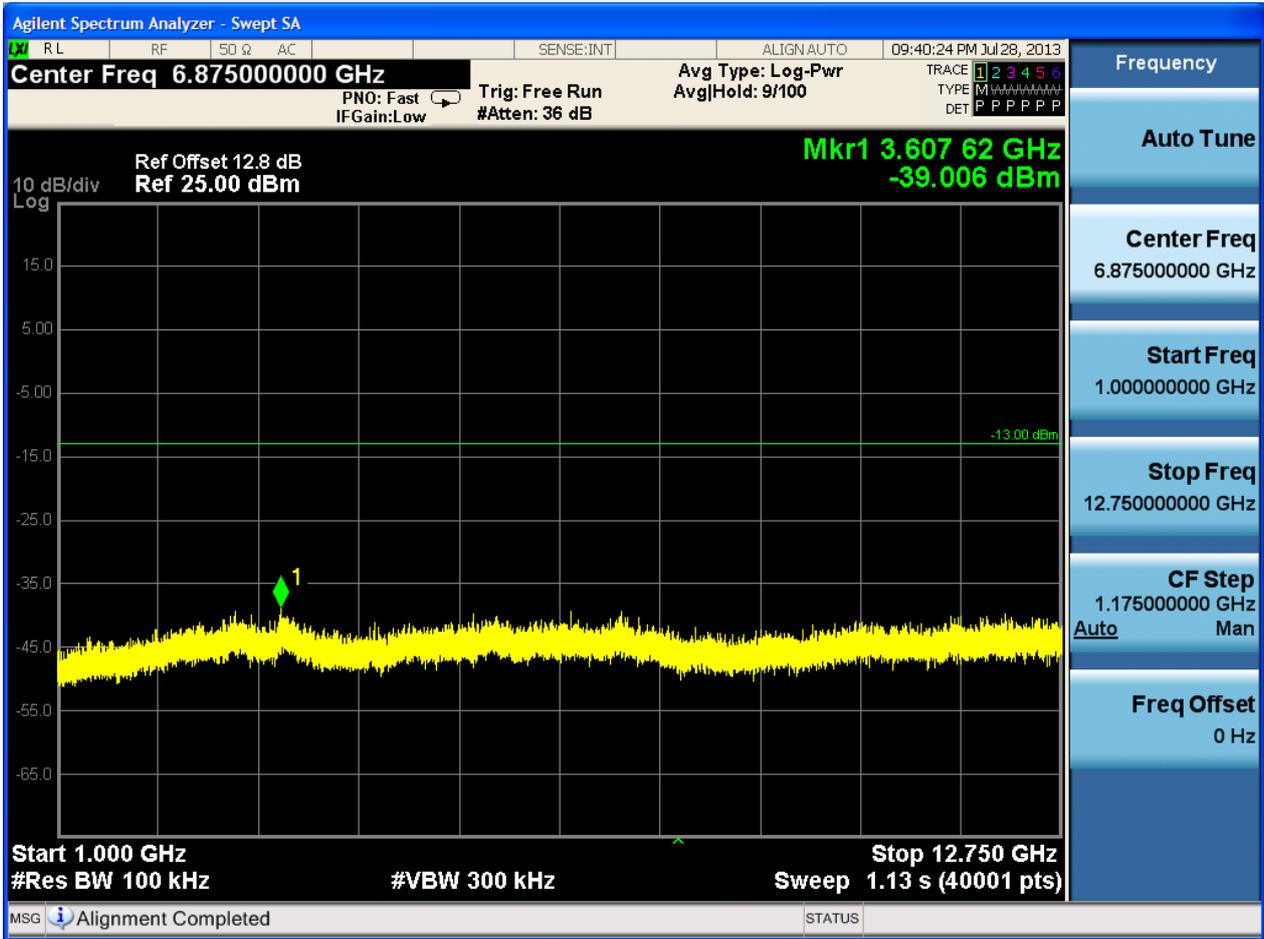


6.2.1.1.2 Test Channel = MCH

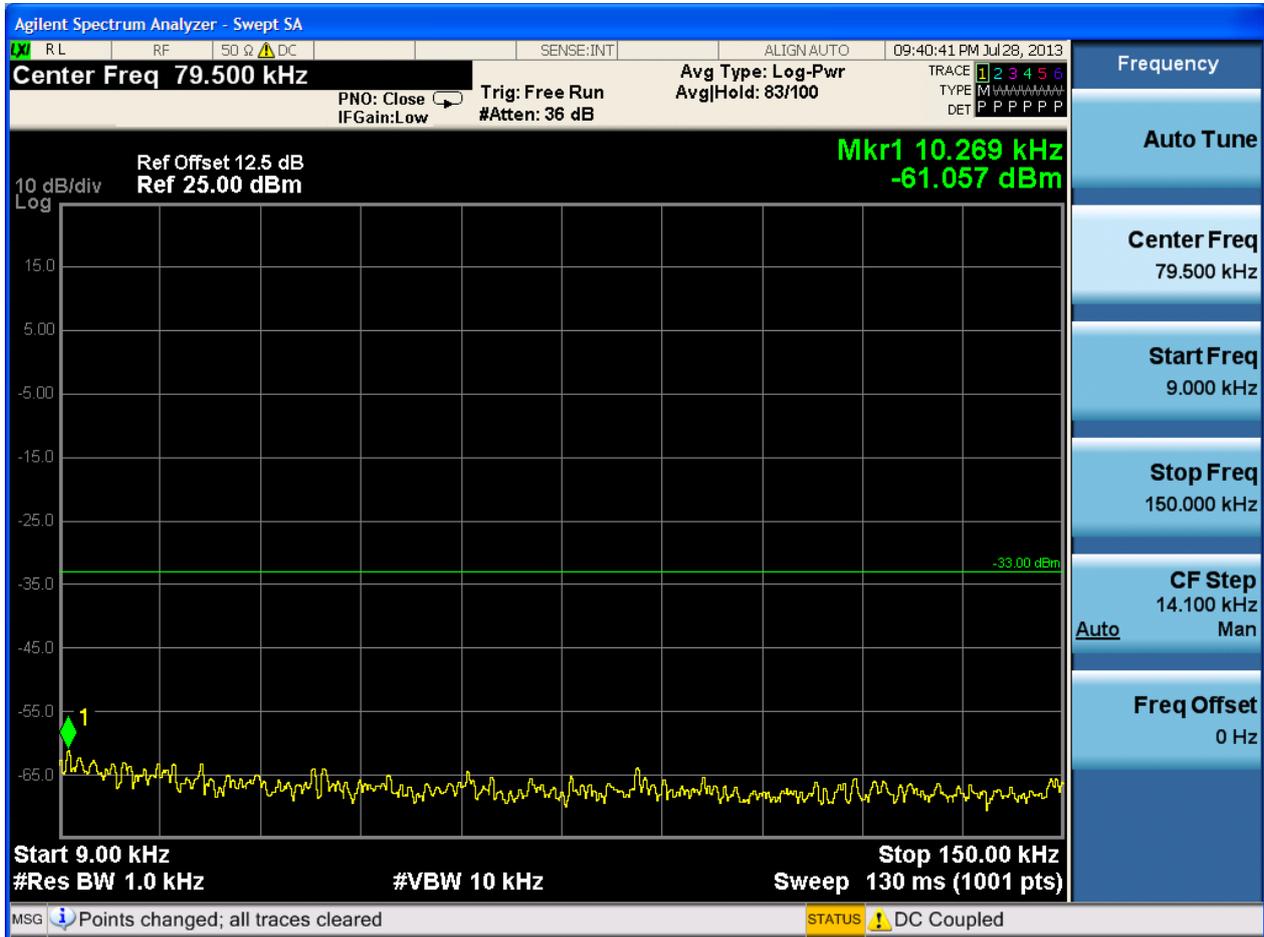


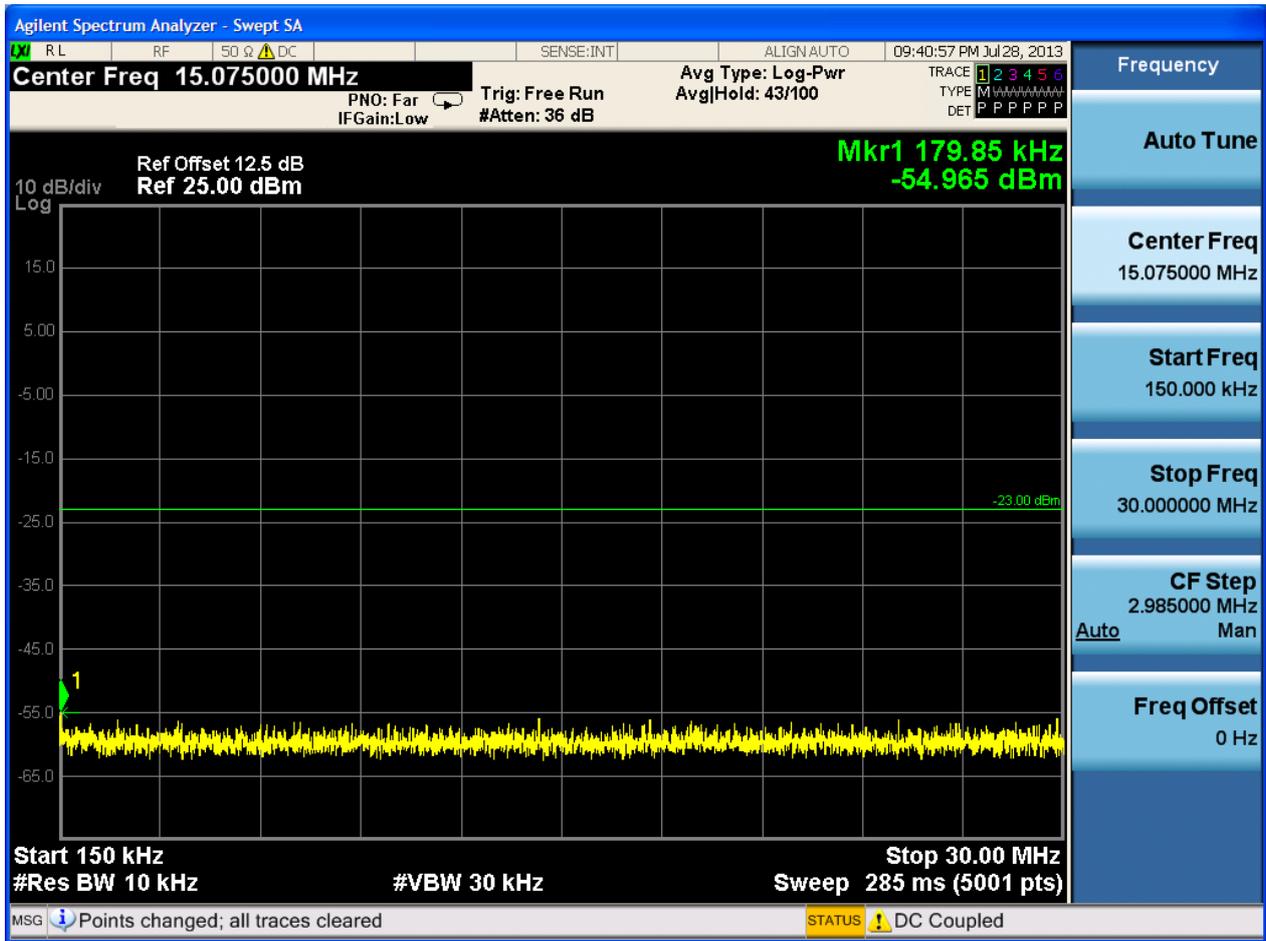


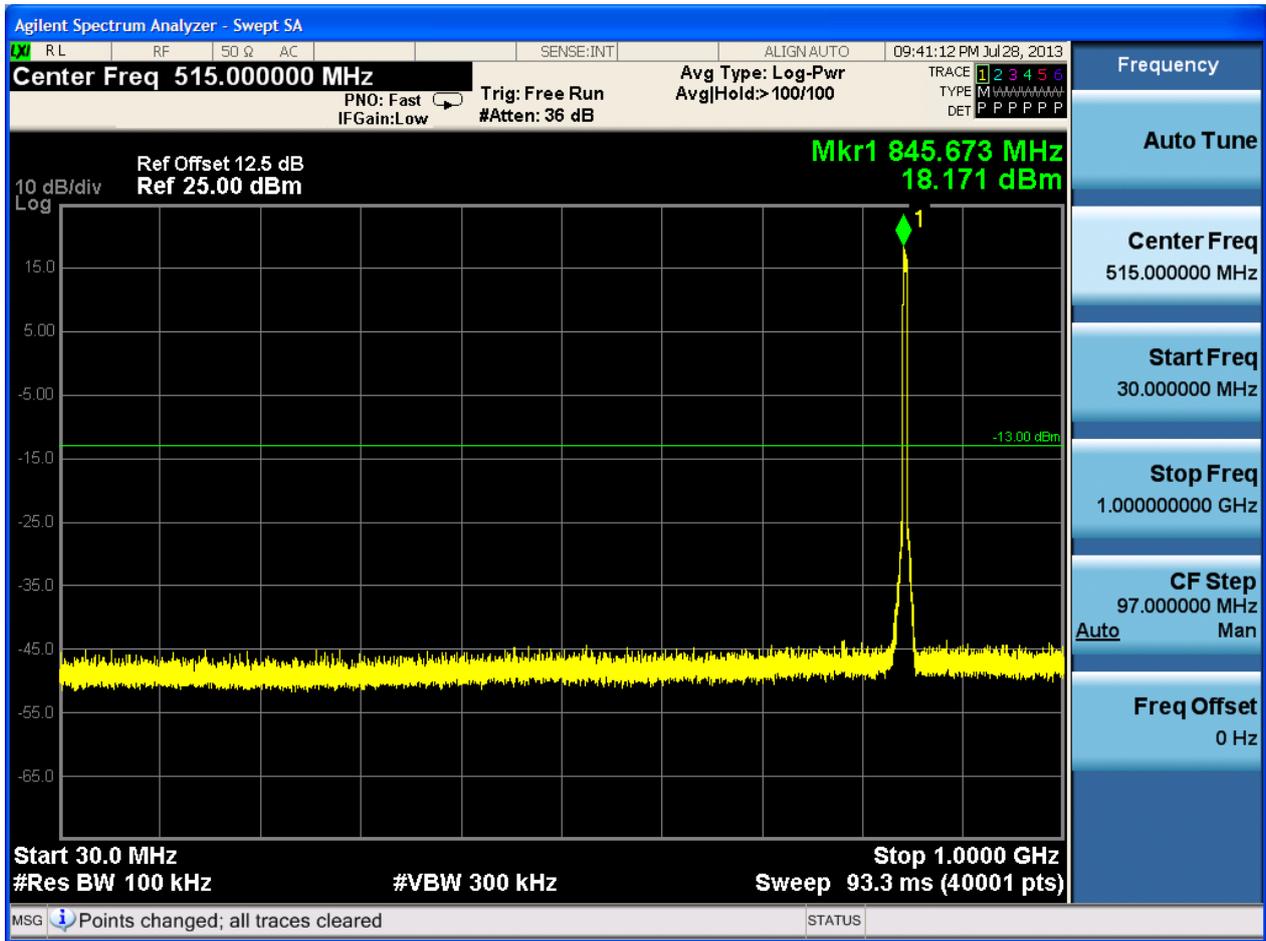


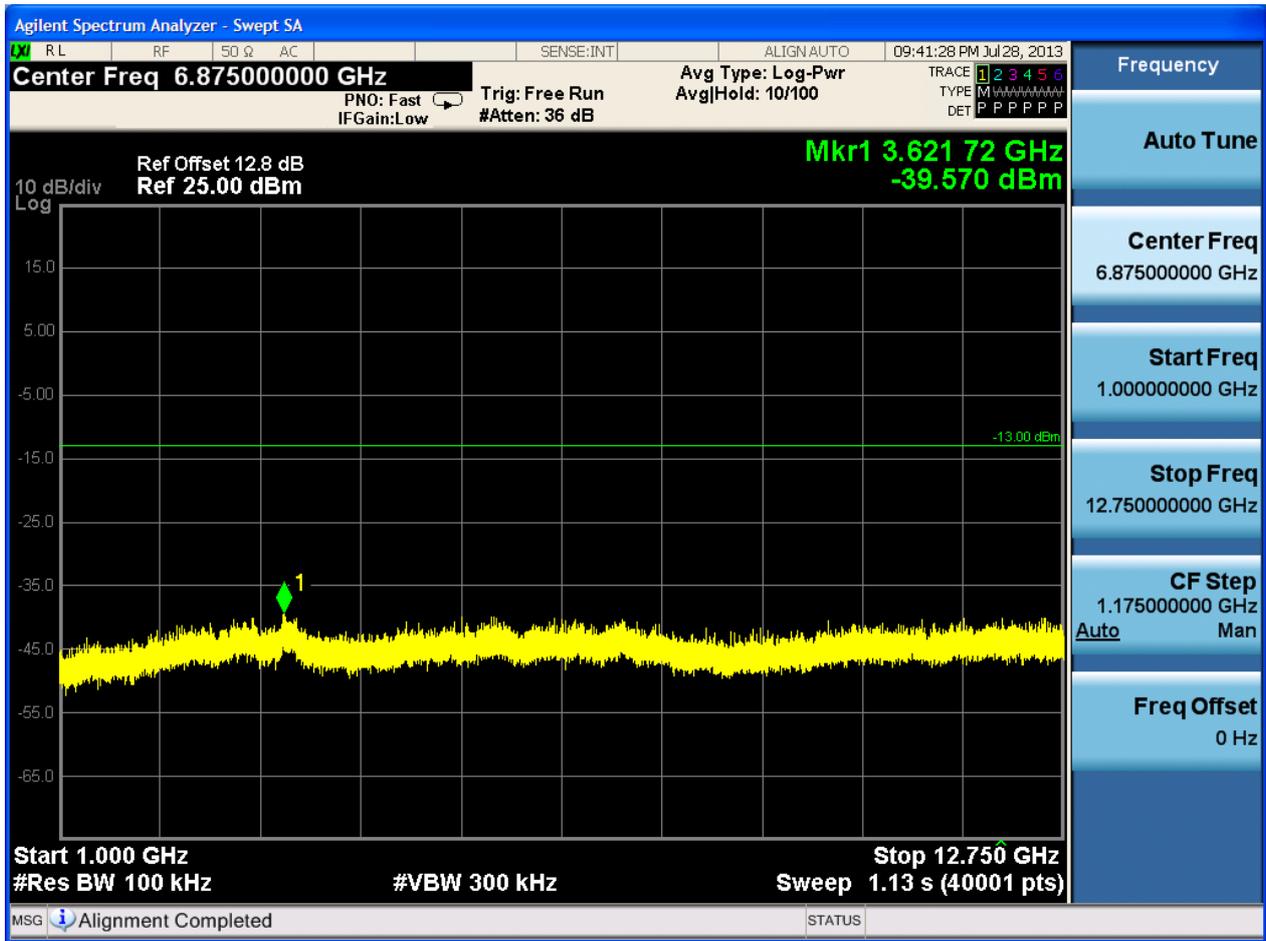


6.2.1.1.3 Test Channel = HCH





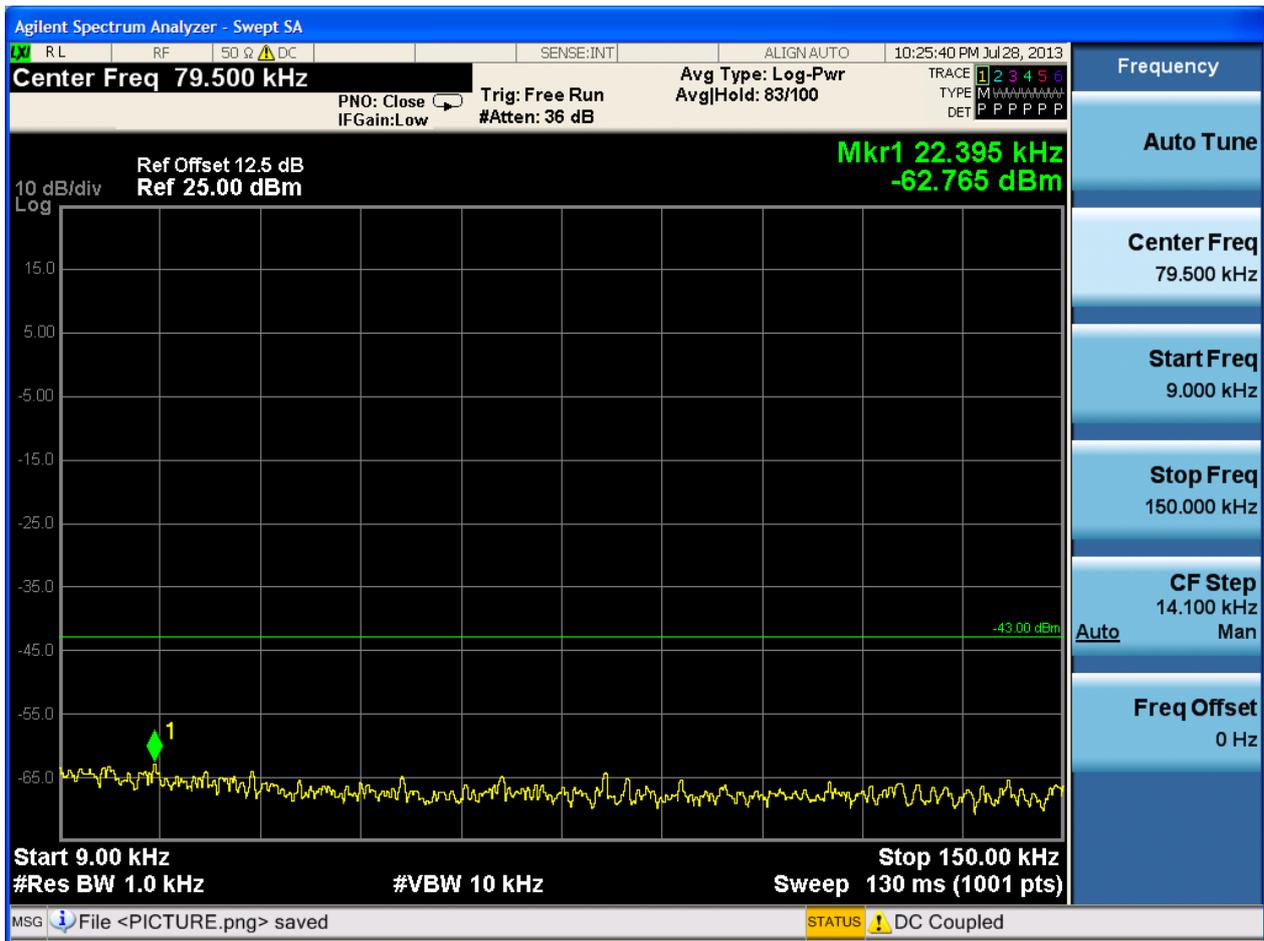


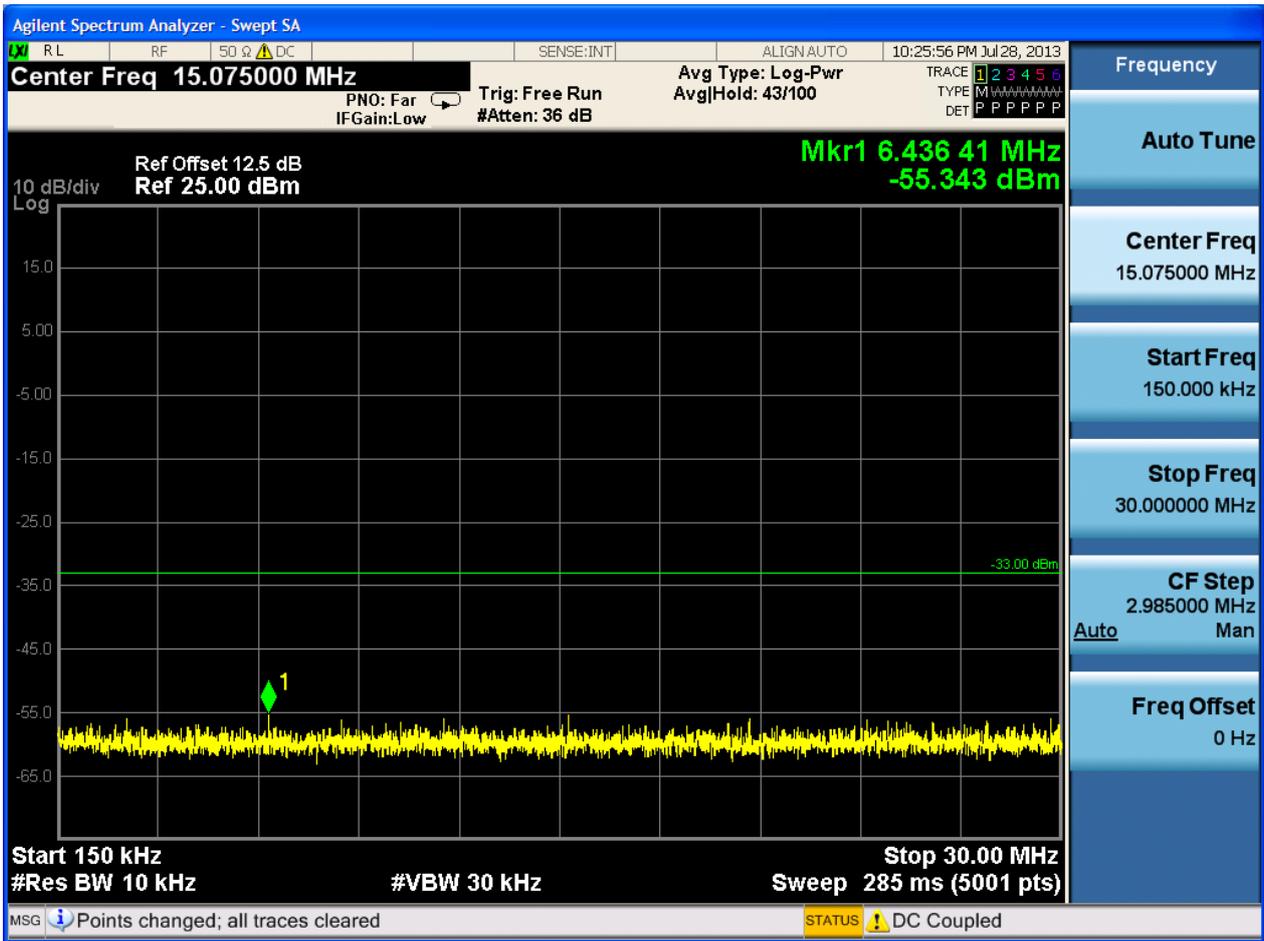


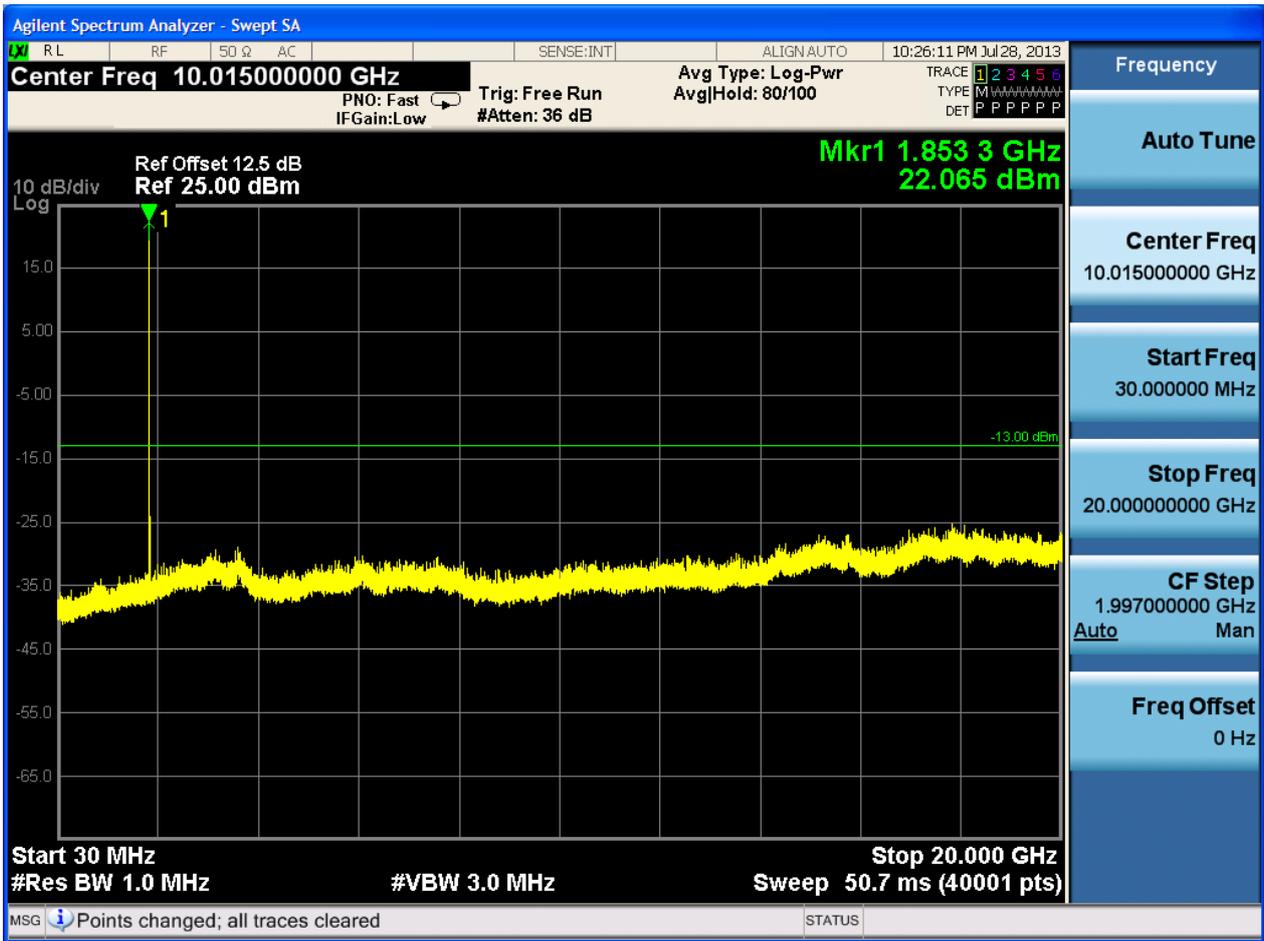
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

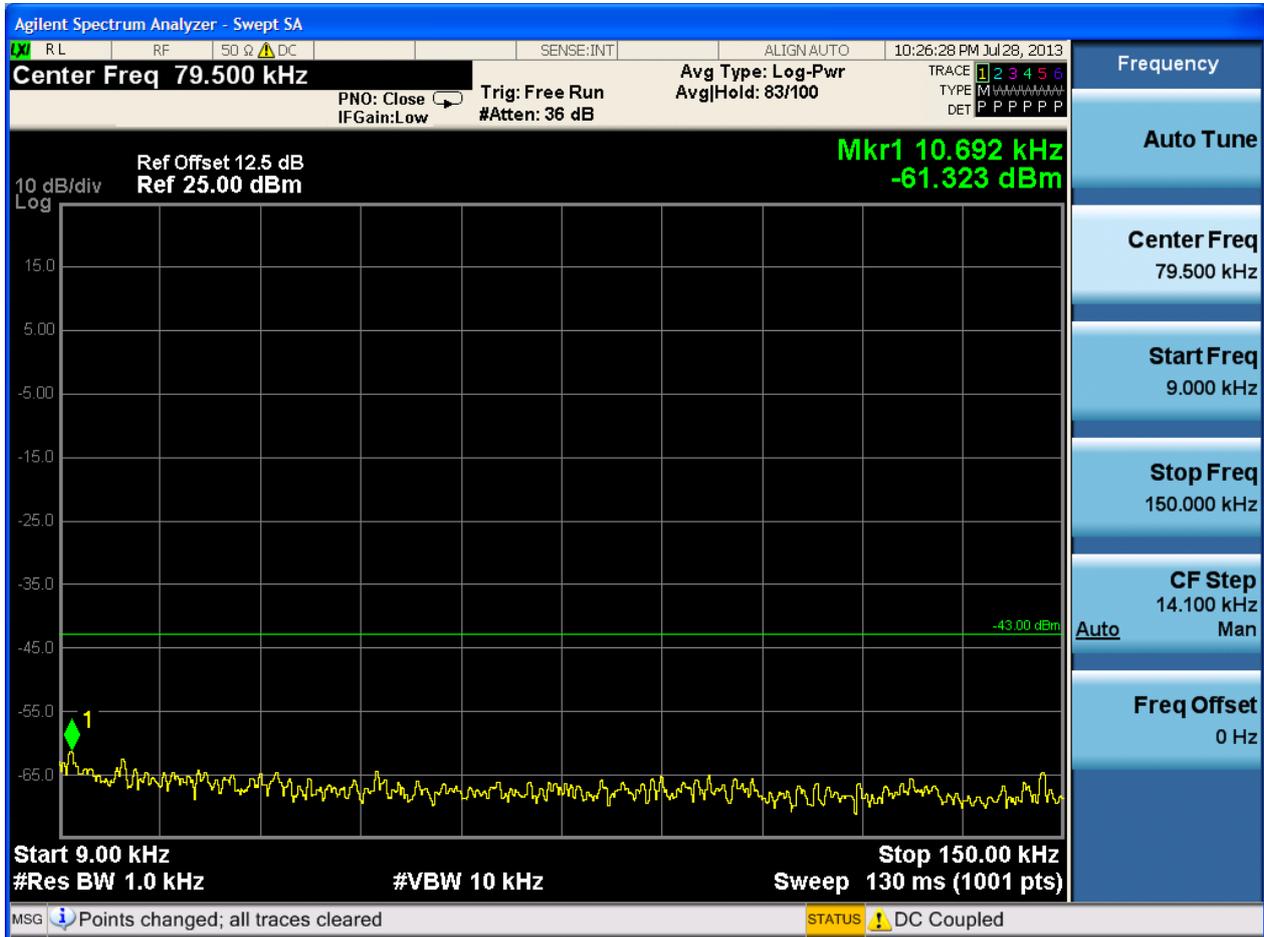
6.2.2.1.1 Test Channel = LCH

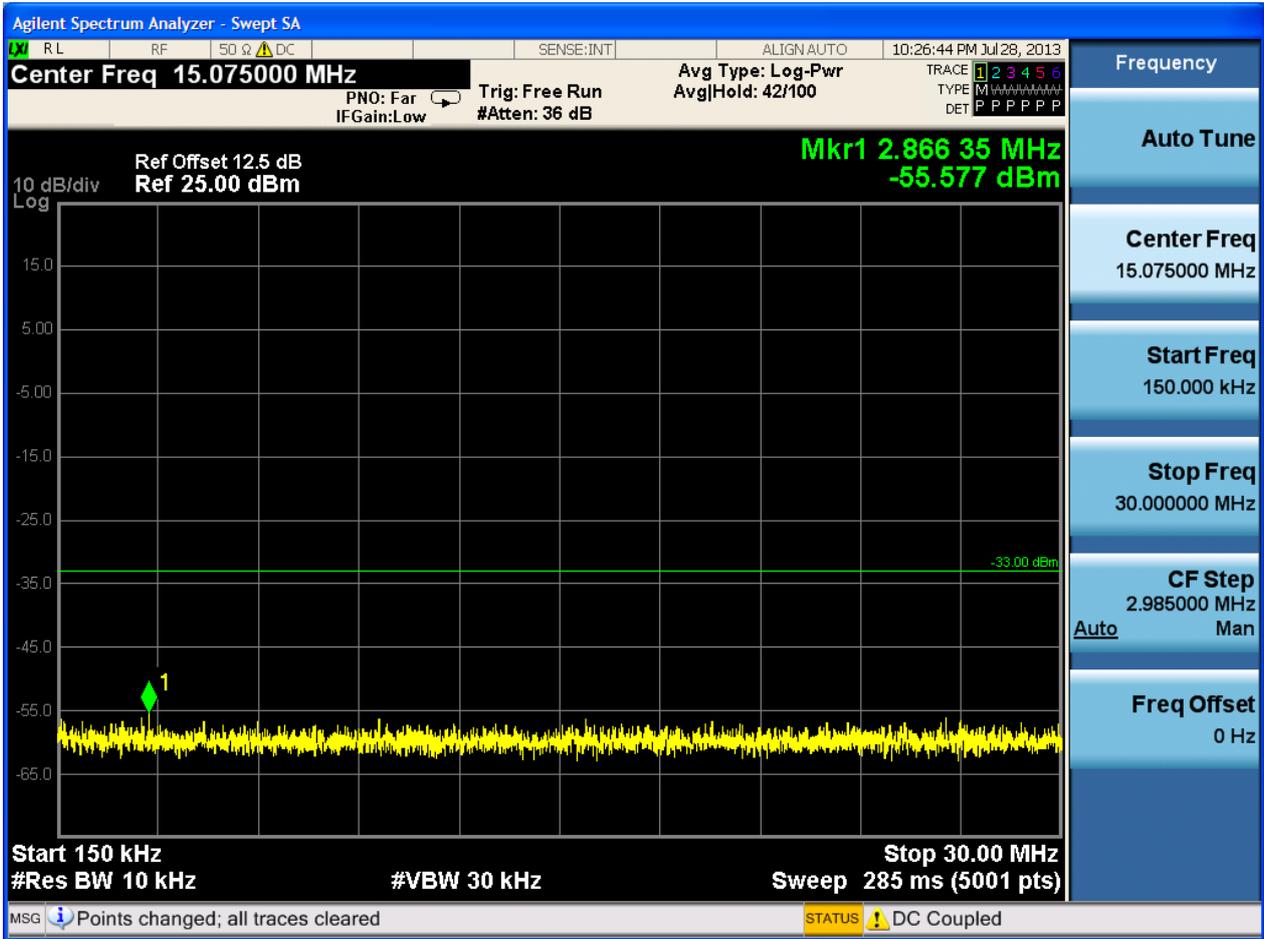


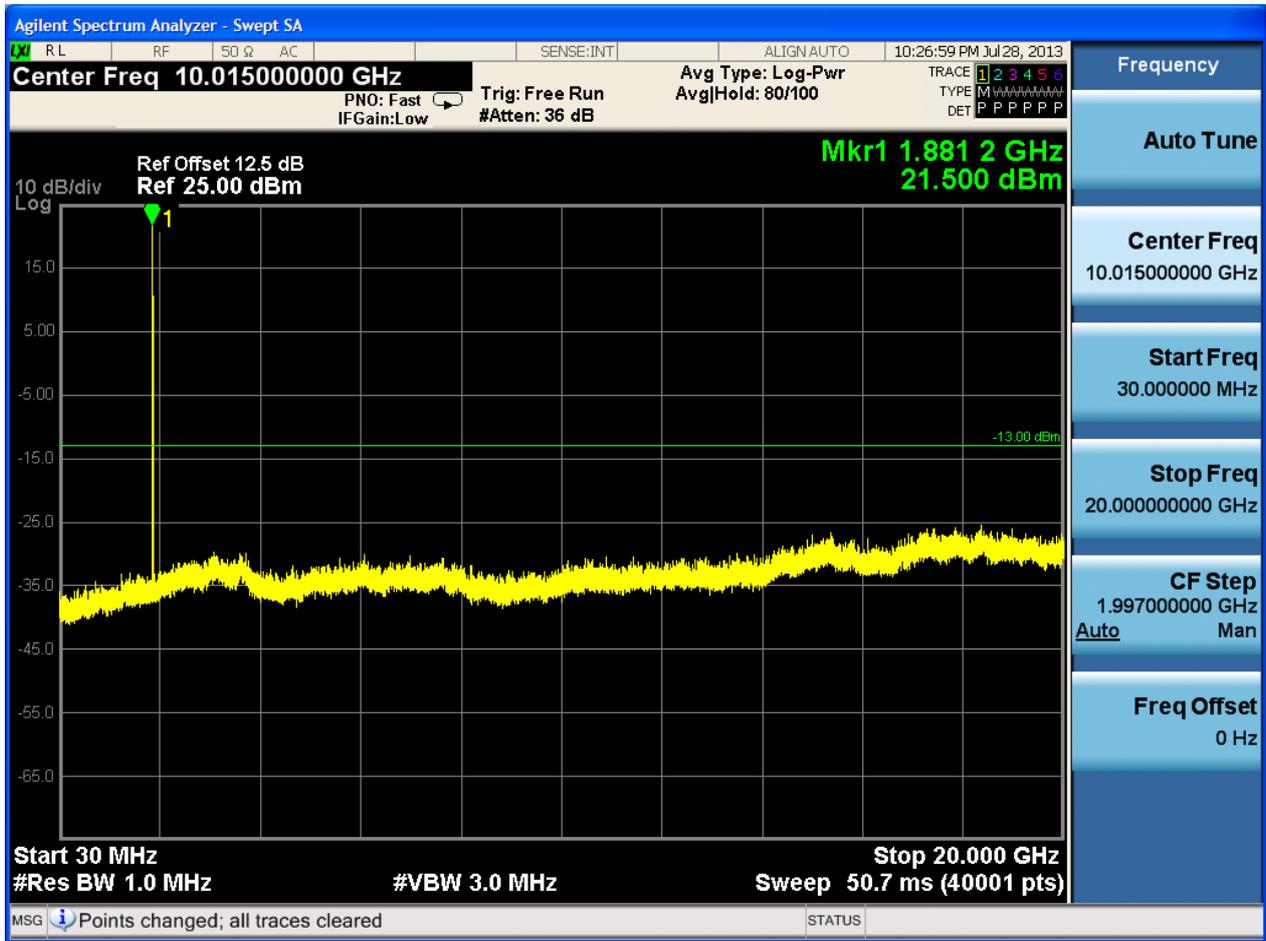




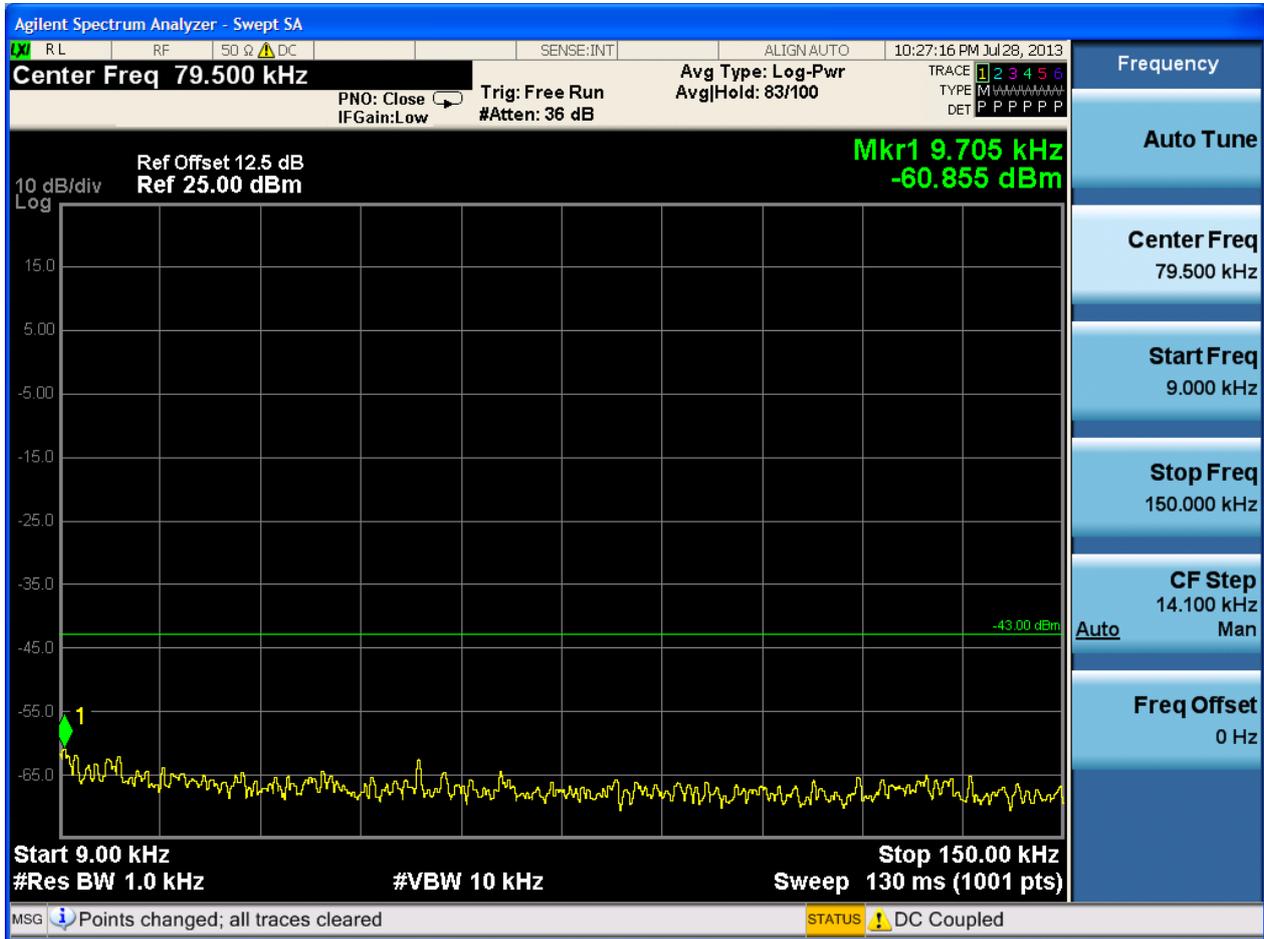
6.2.2.1.2 Test Channel = MCH

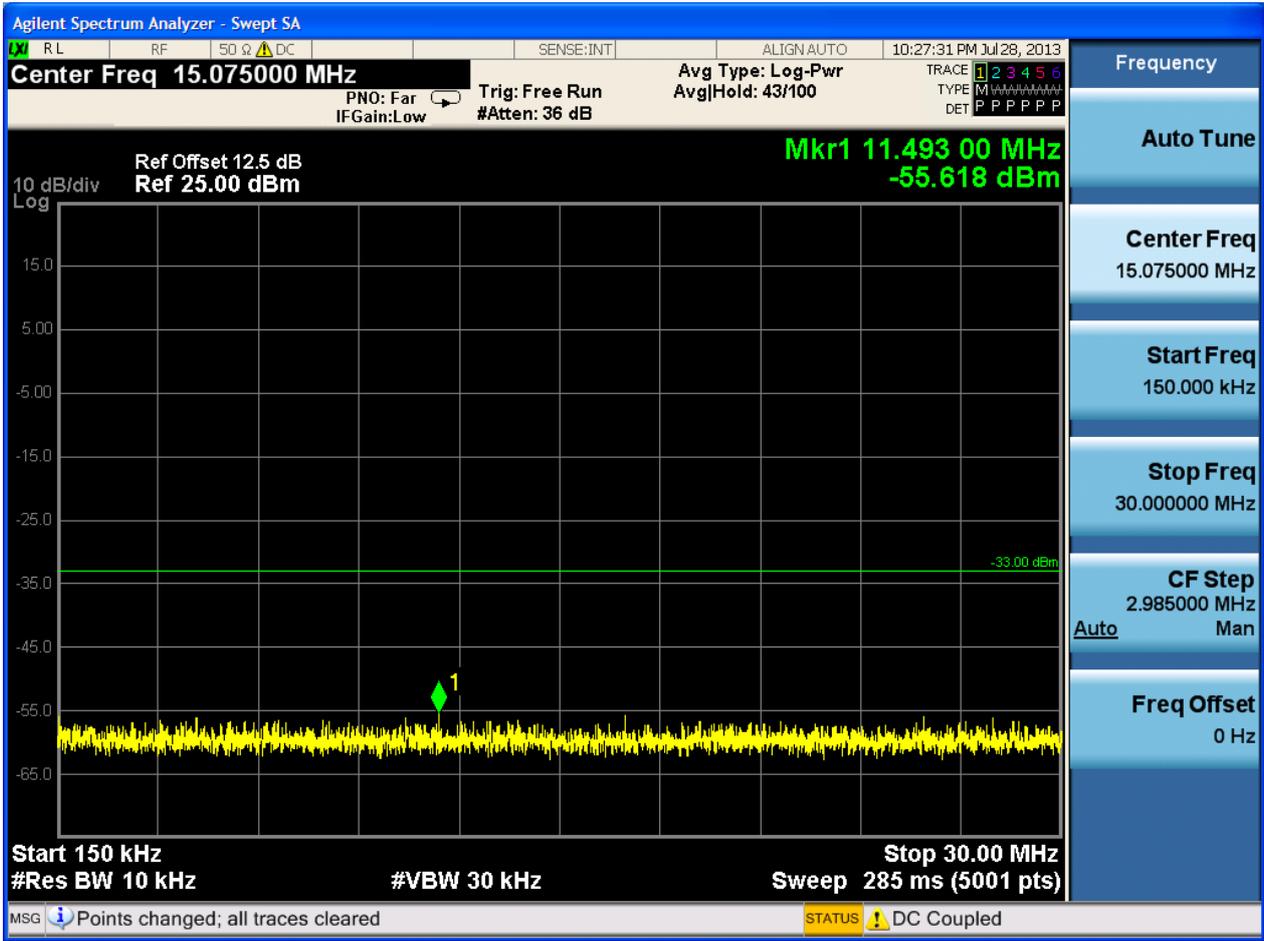






6.2.2.1.3 Test Channel = HCH



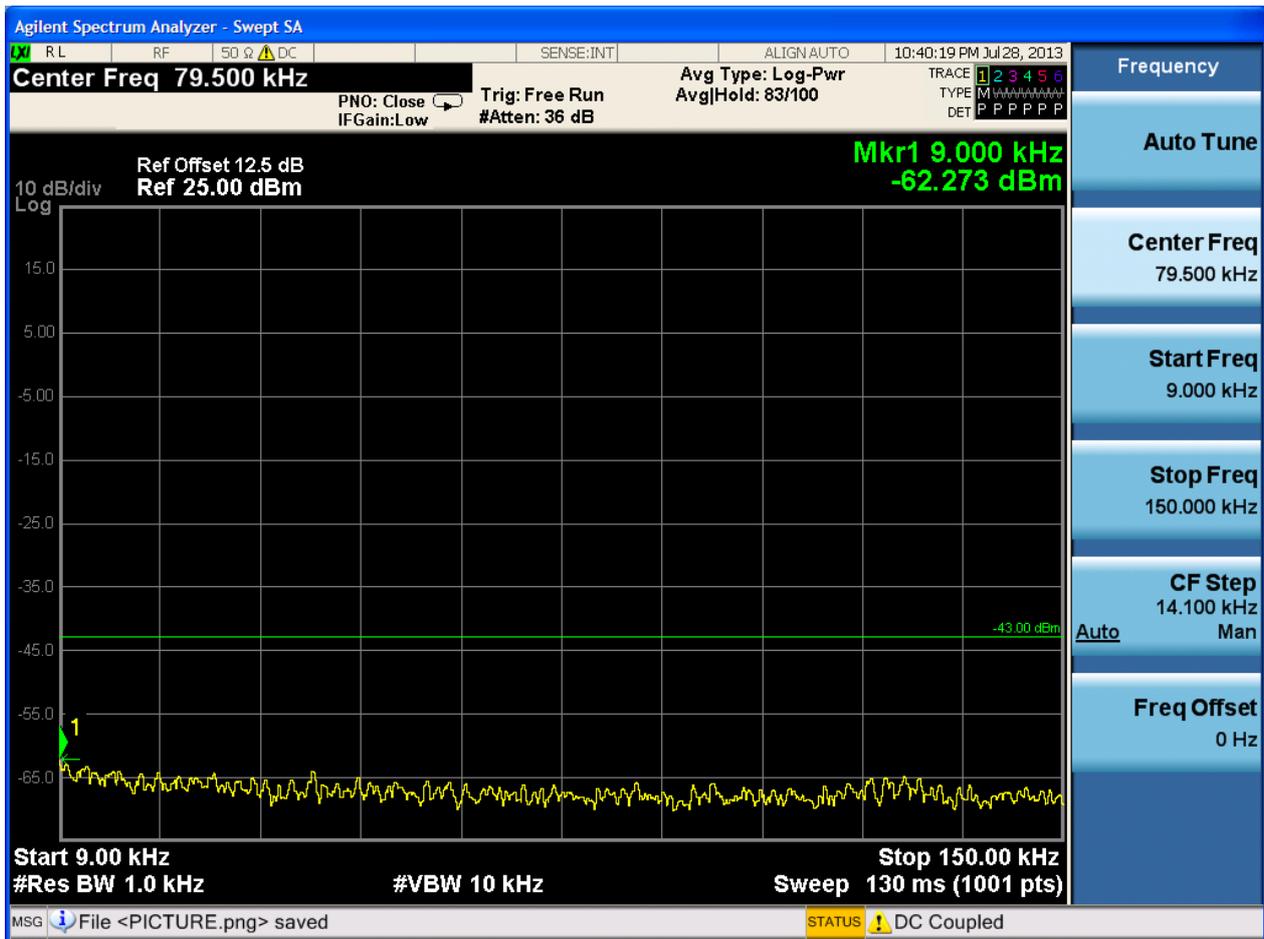


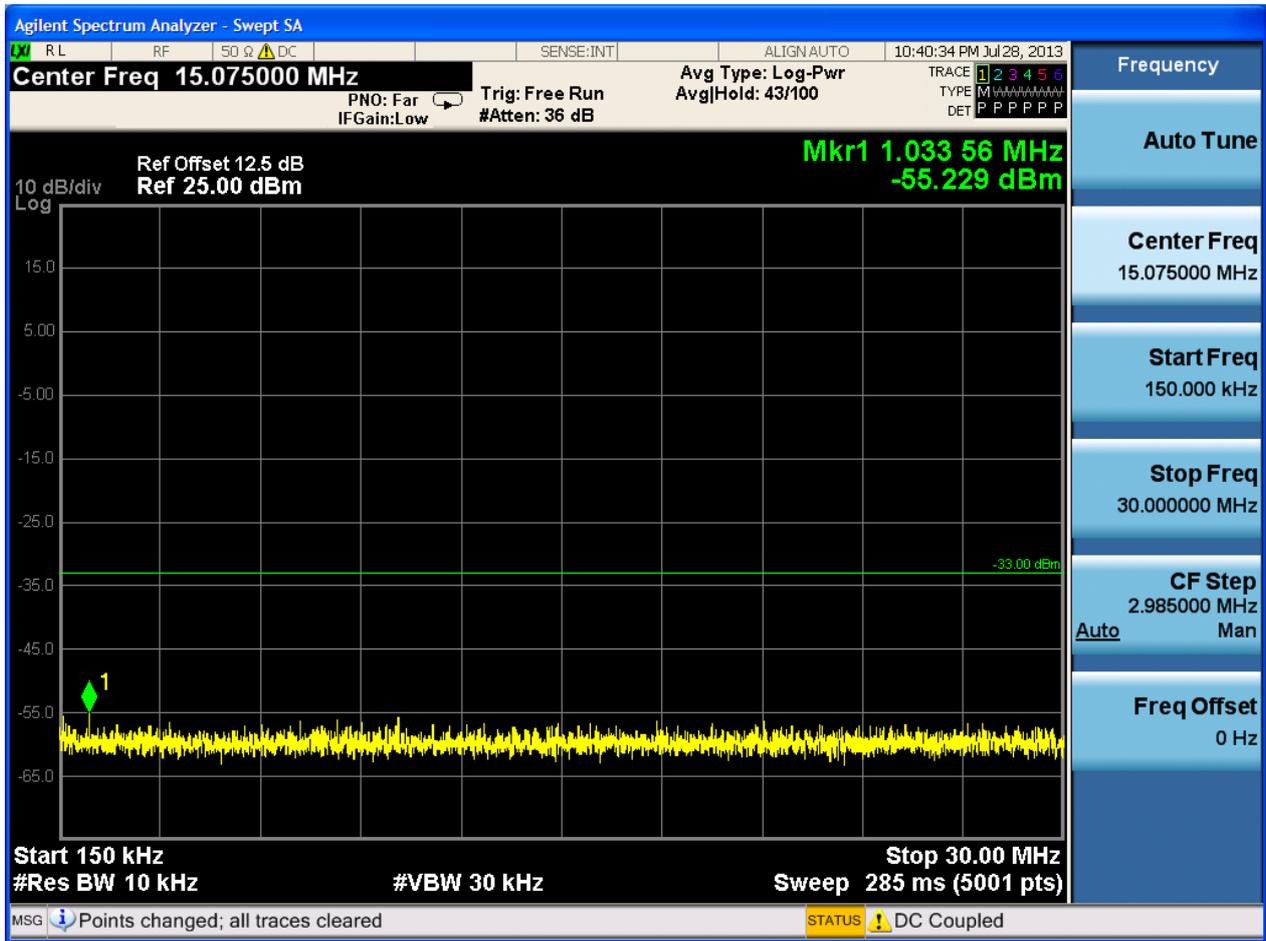


6.2.3 Test Band = WCDMA1700

6.2.3.1 Test Mode = UMTS/TM1

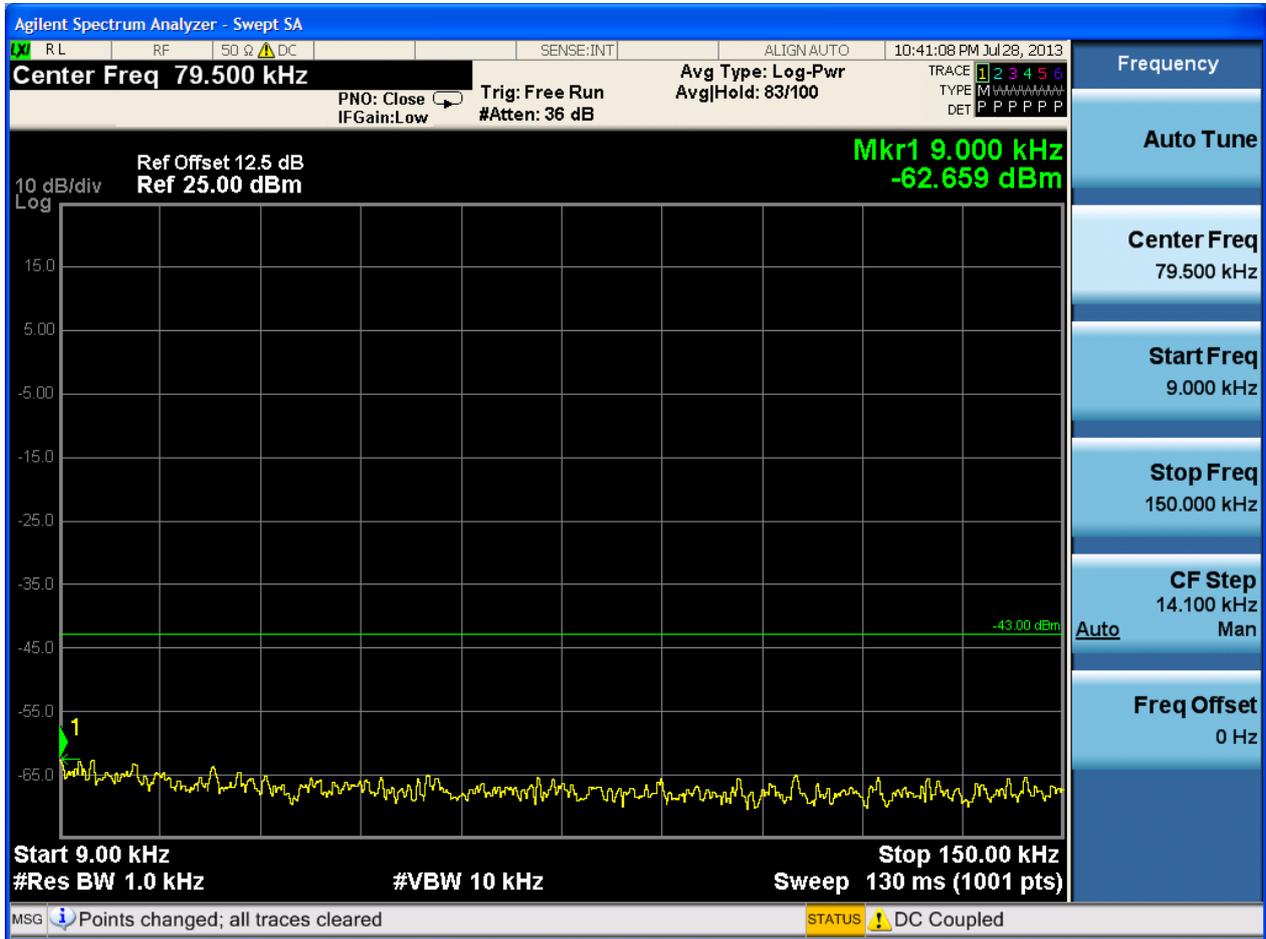
6.2.3.1.1 Test Channel = LCH

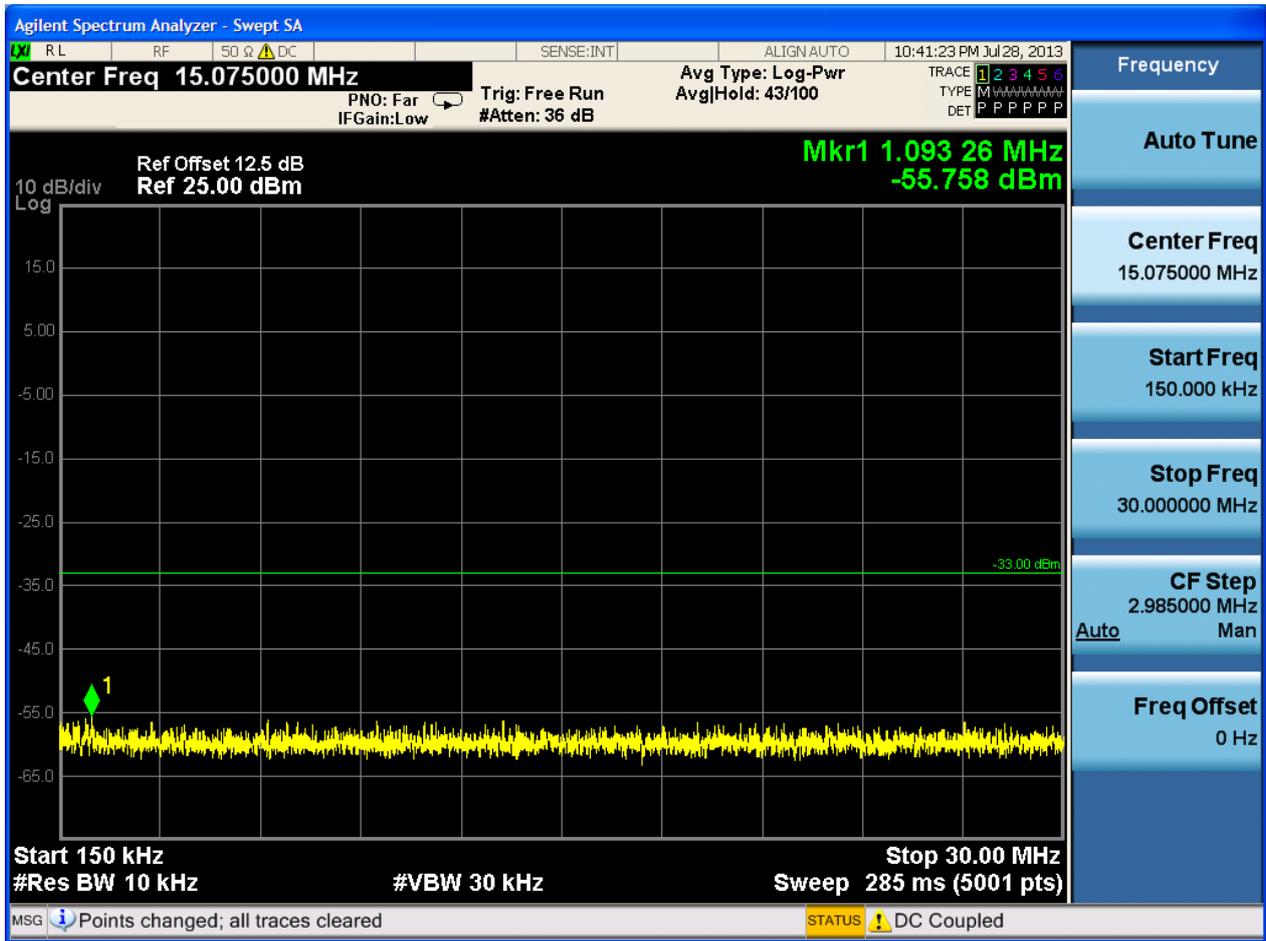






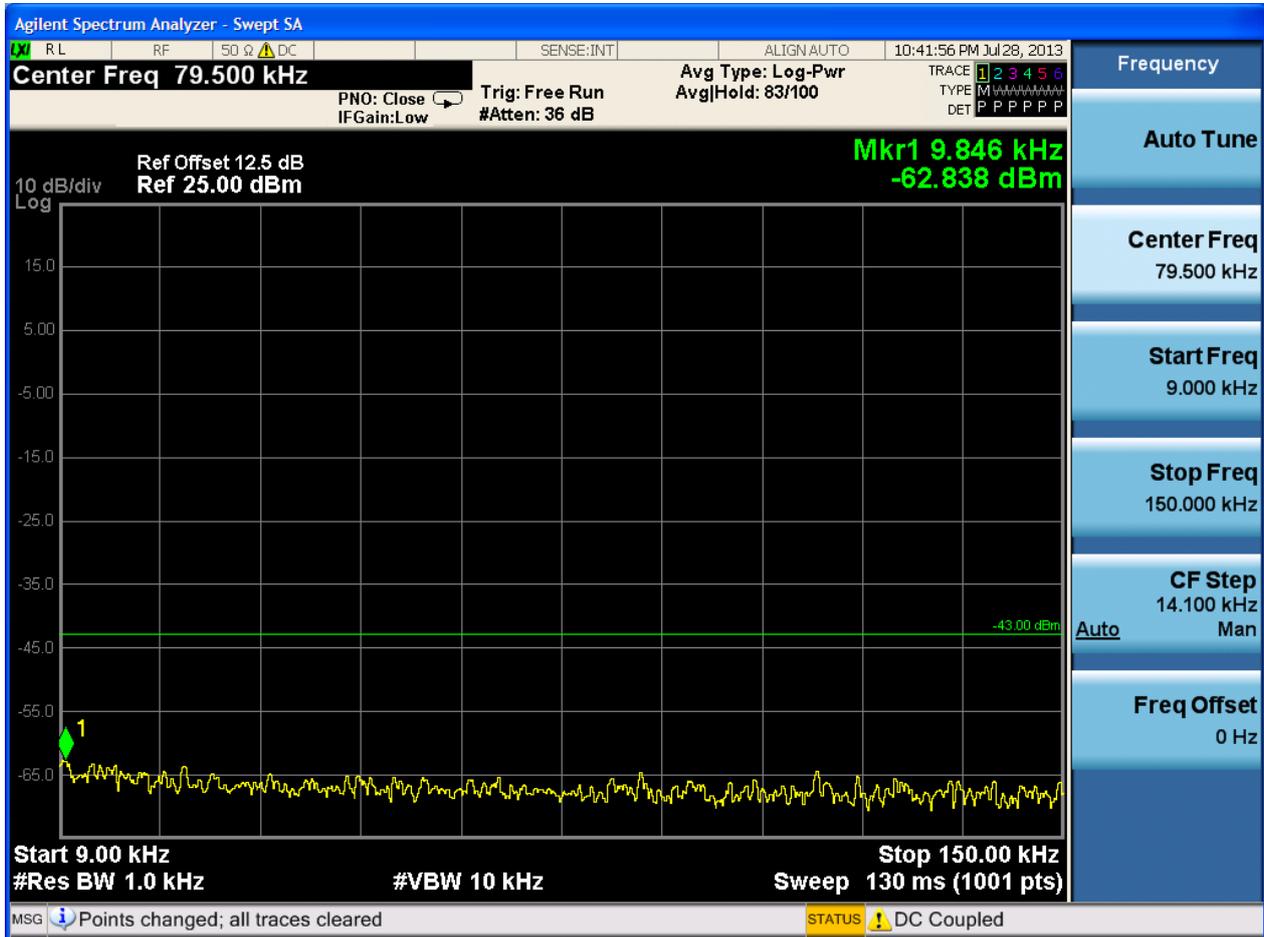
6.2.3.1.2 Test Channel = MCH

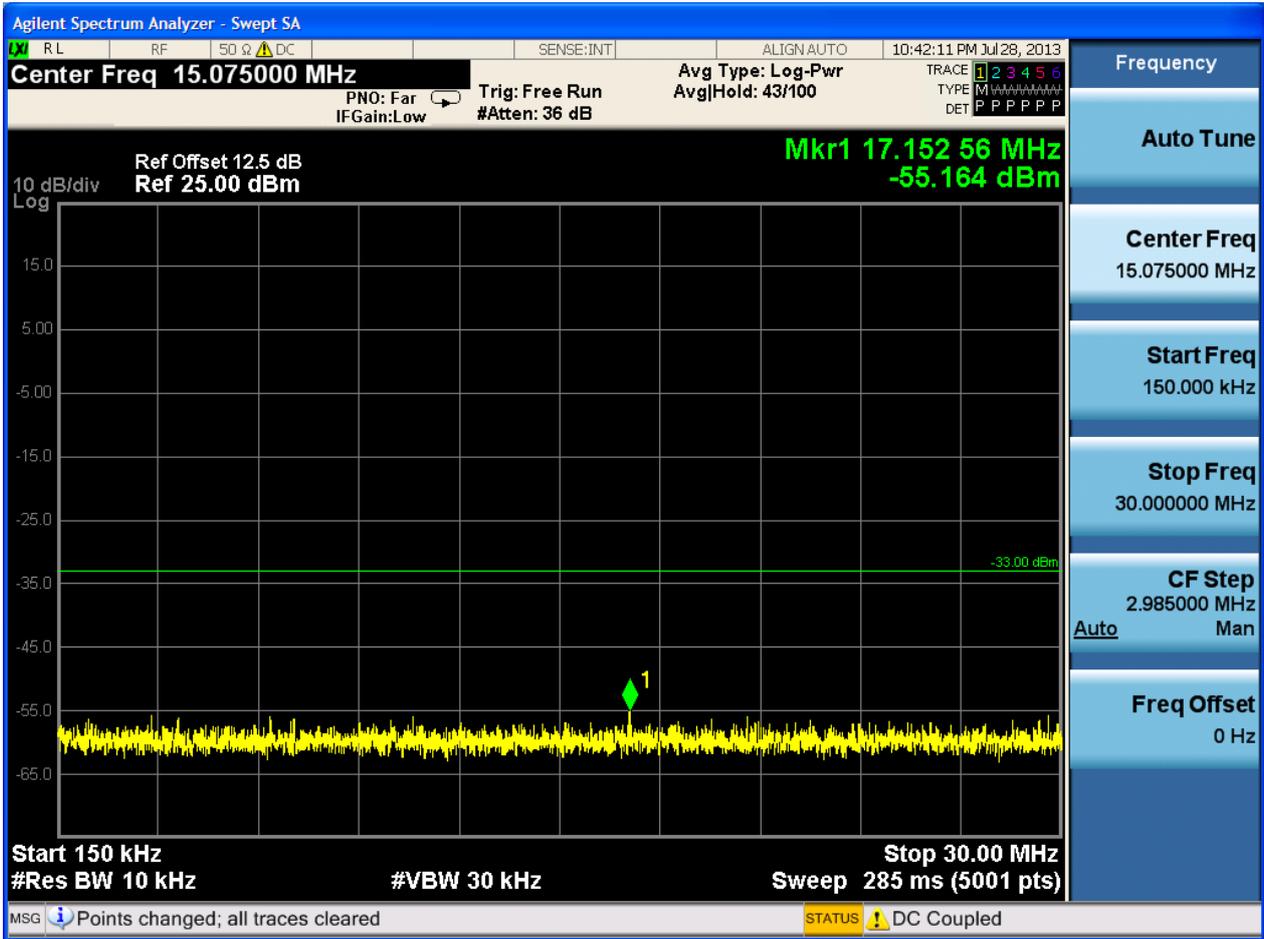


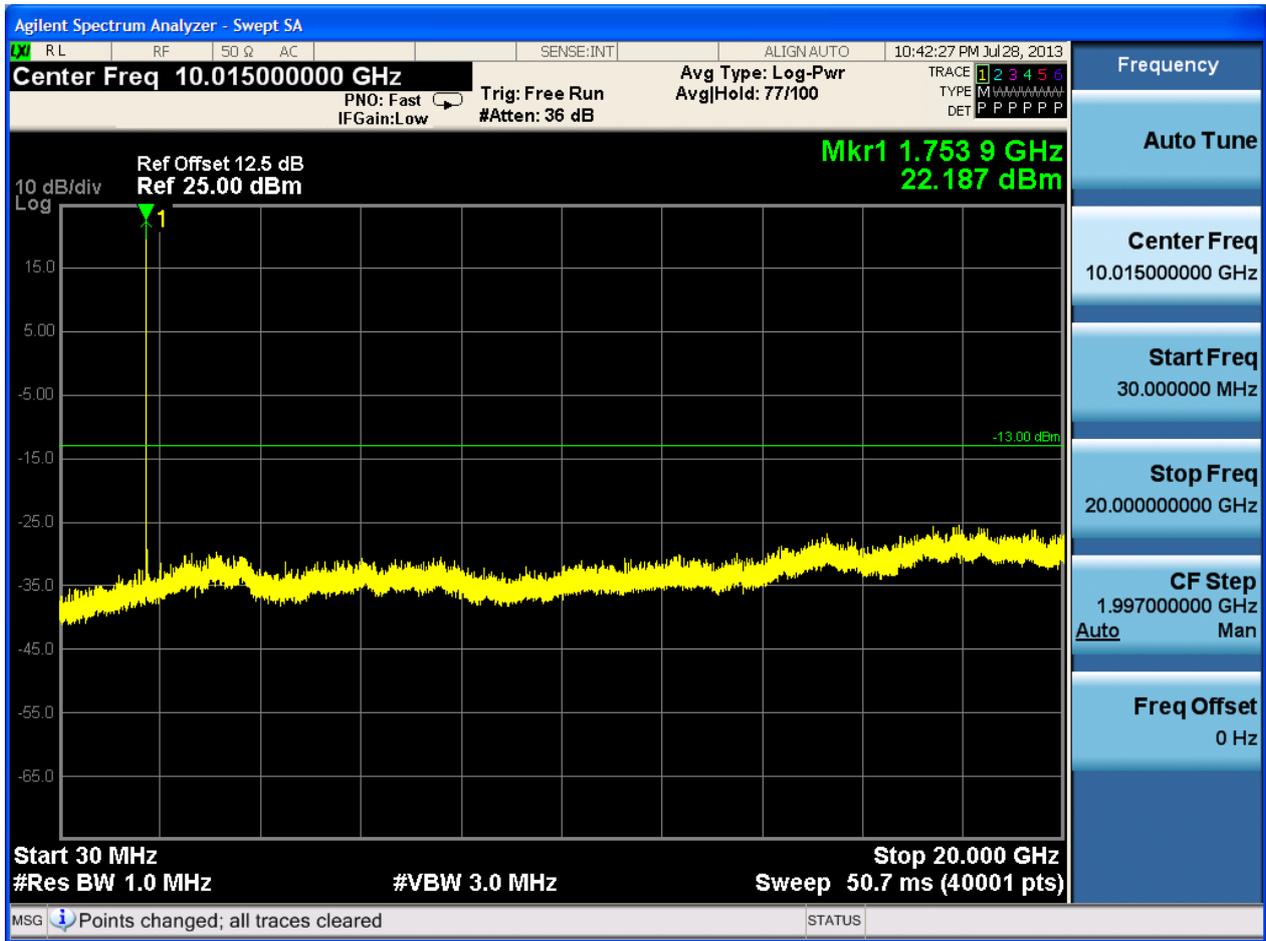




6.2.3.1.3 Test Channel = HCH







7Appendix_G: Field Strength of Spurious Radiation

Note:

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

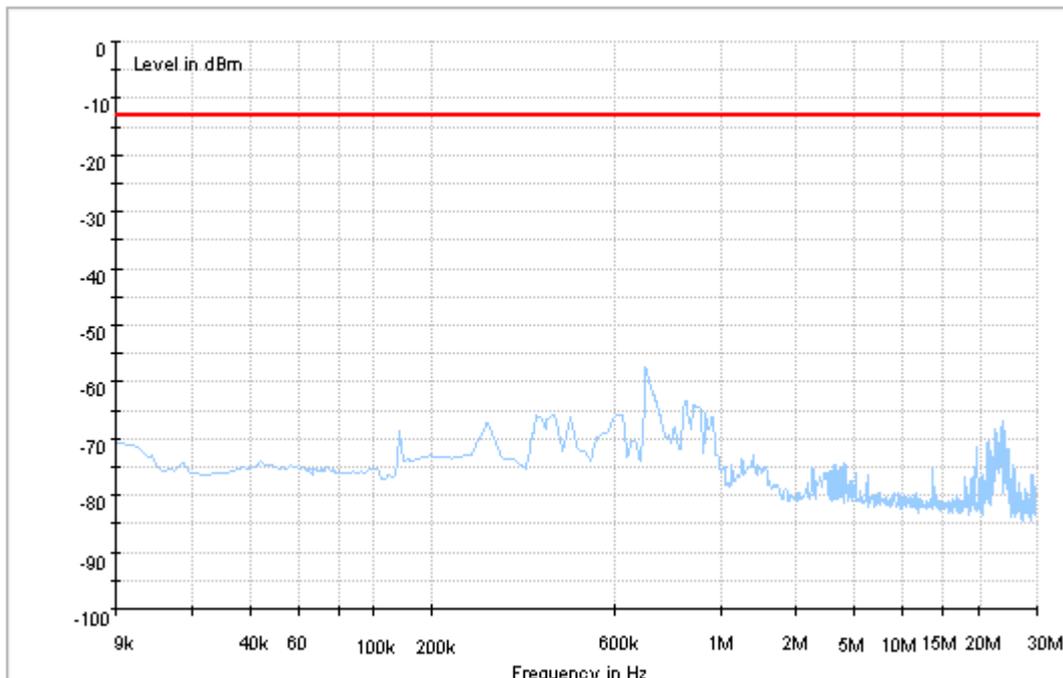
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

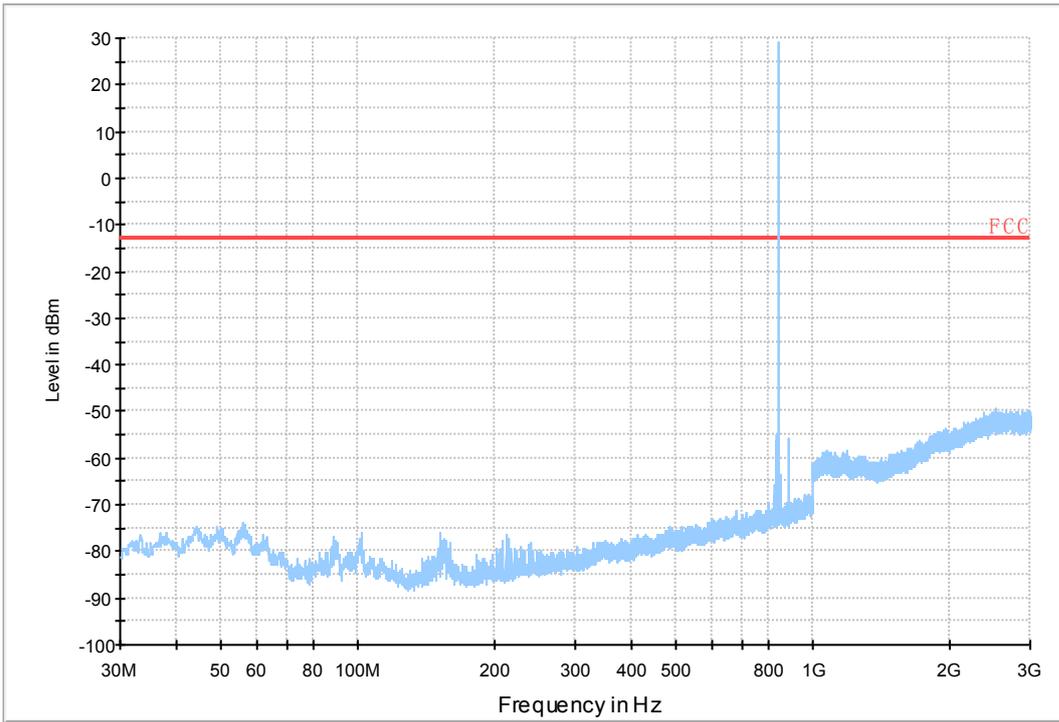
7.1 For GSM

7.1.1 Test Band = GSM850

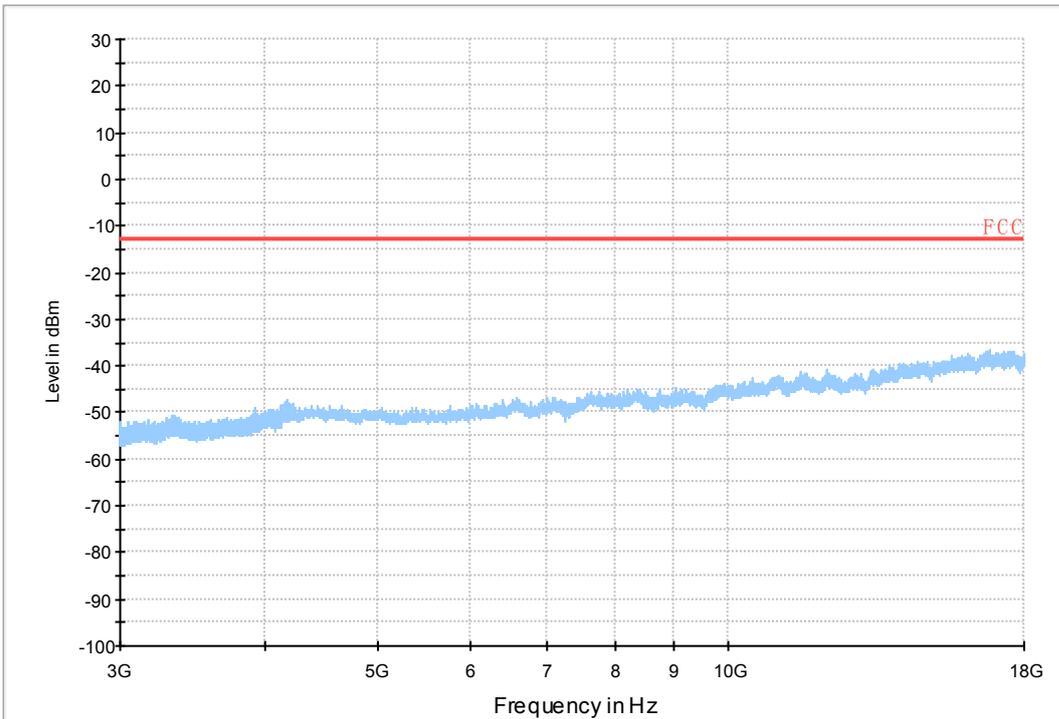
7.1.1.1 Test Mode = GSM/TM1



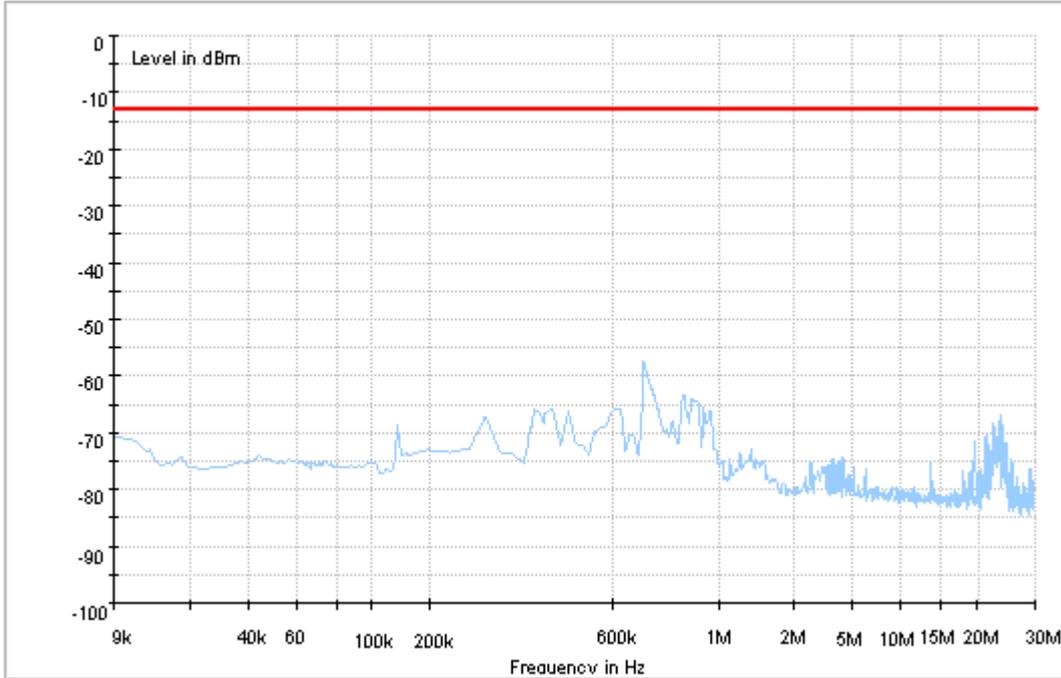
Copy of FCC PART22 GSM850_L



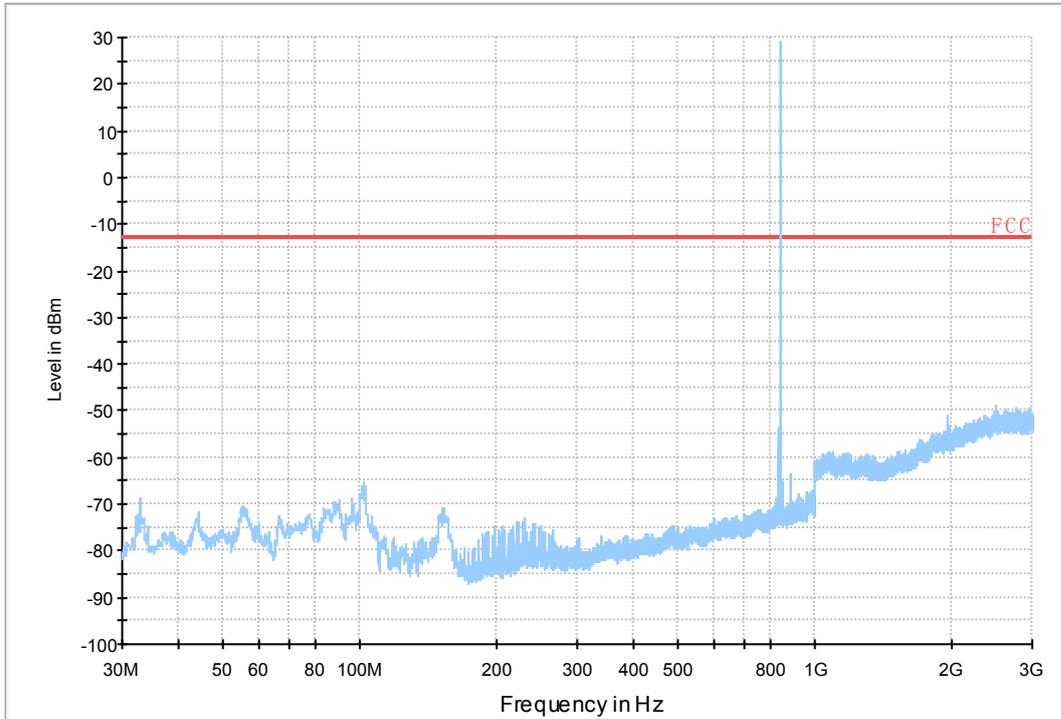
Copy of FCC PART22 GSM850_H



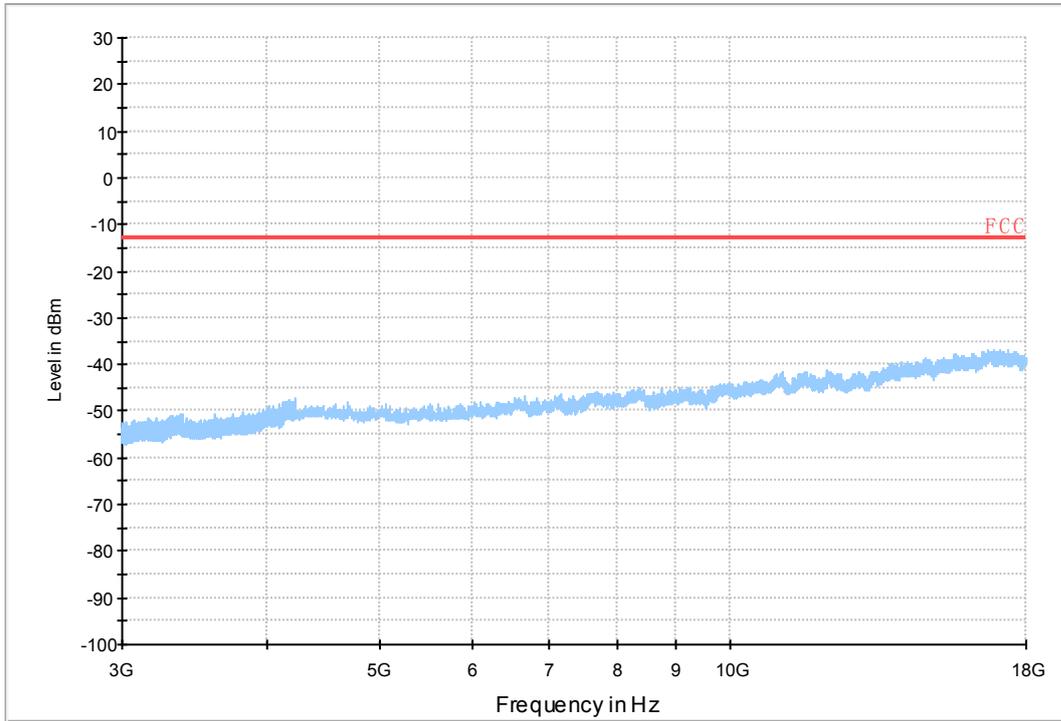
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

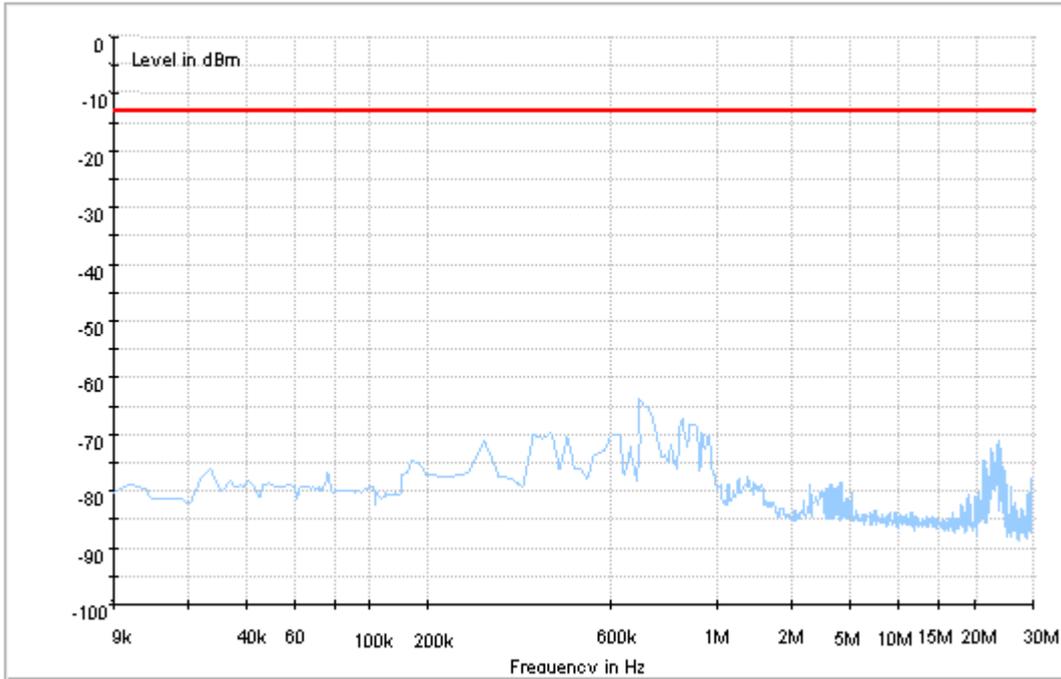


Copy of FCC PART22 GSM850_H

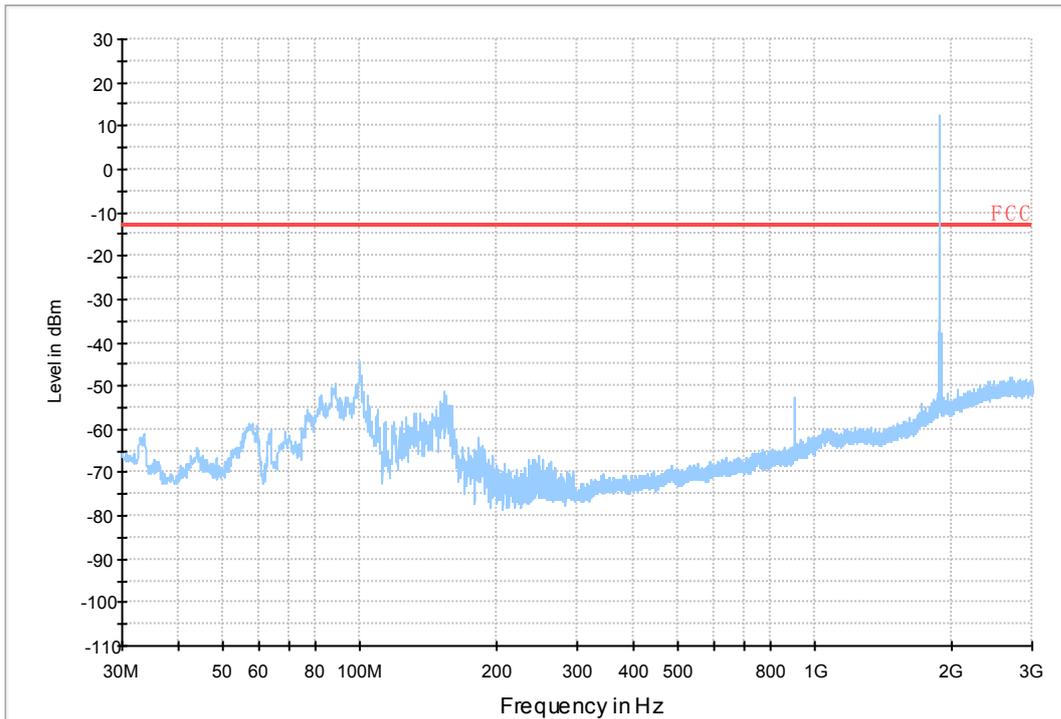


7.1.2 Test Band = GSM1900

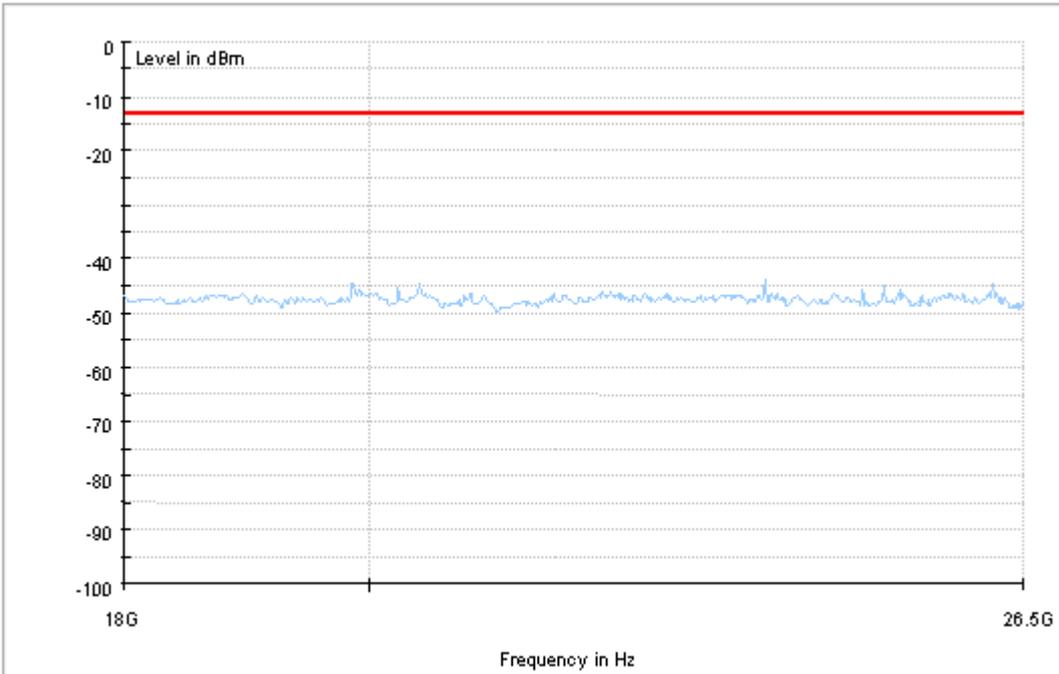
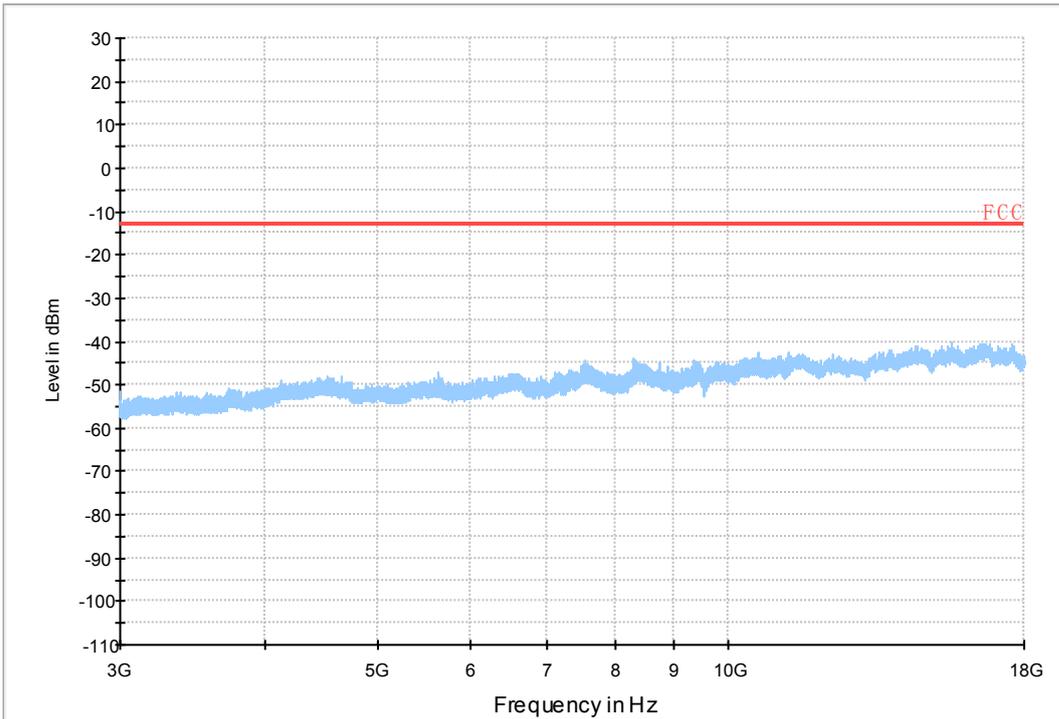
7.1.2.1 Test Mode = GSM/TM1



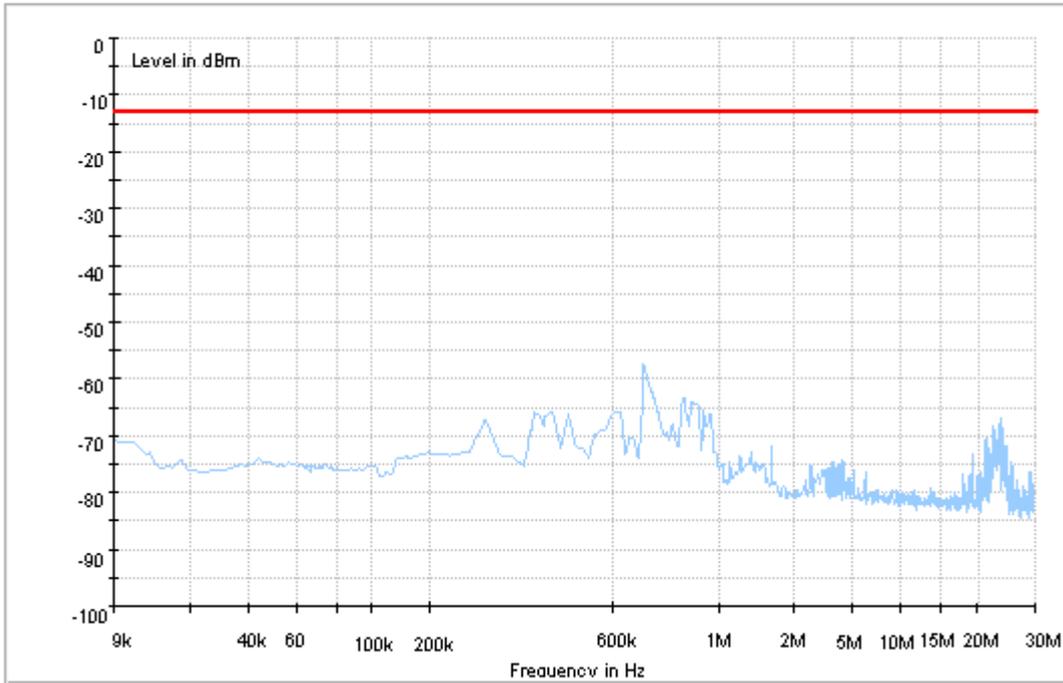
Copy of FCC PART24 GSM1900_L



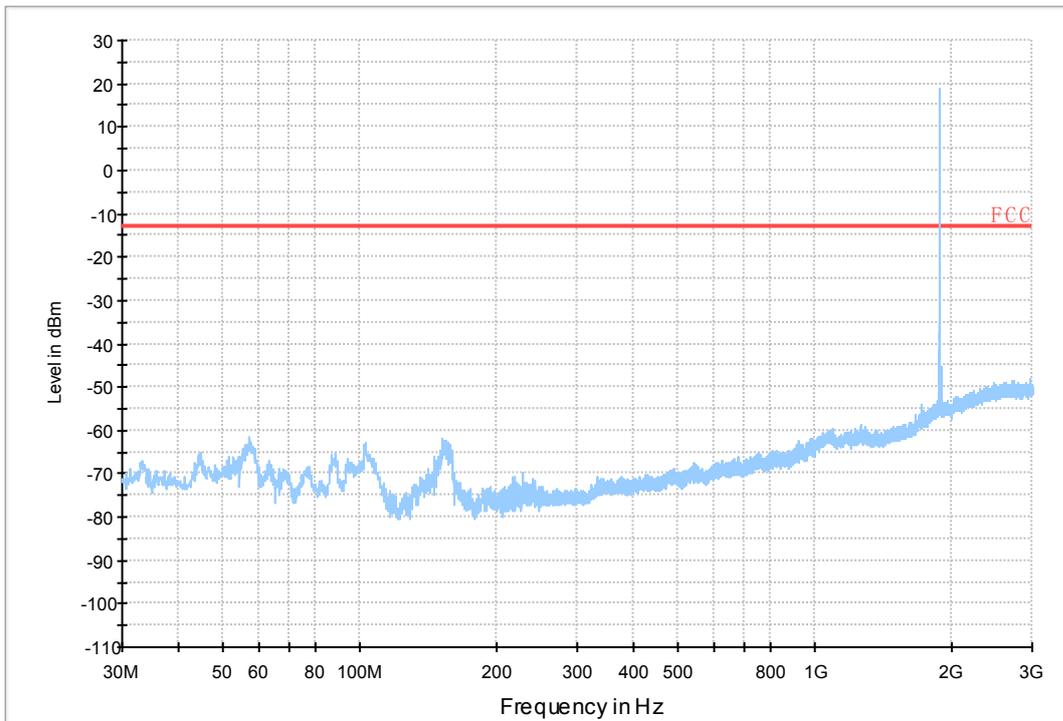
Copy of FCC PART24 GSM1900_H



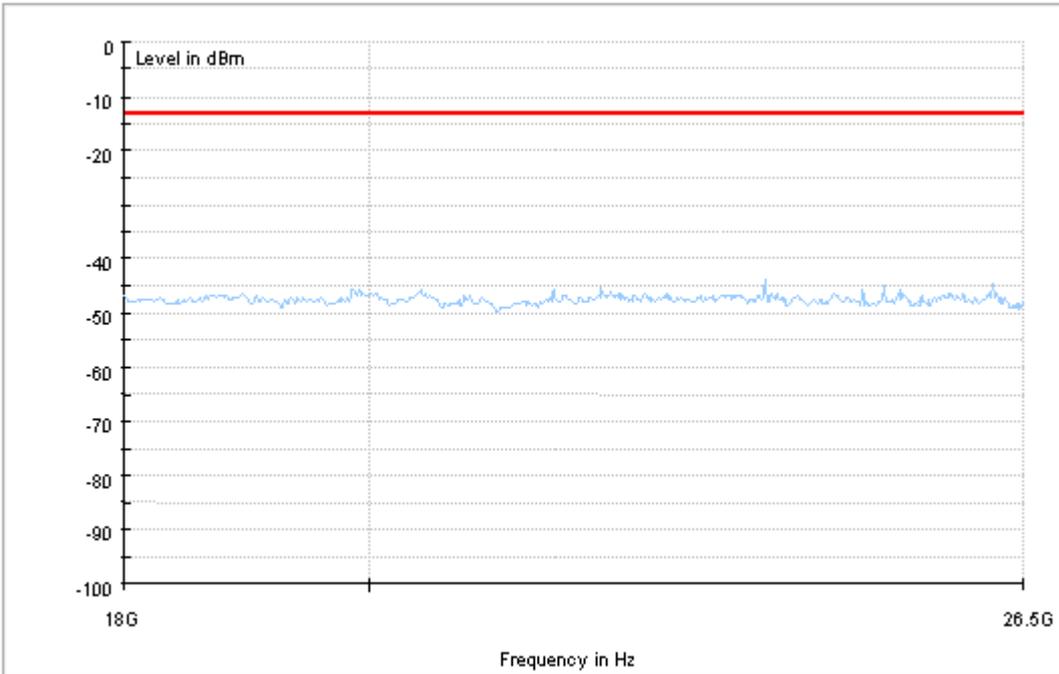
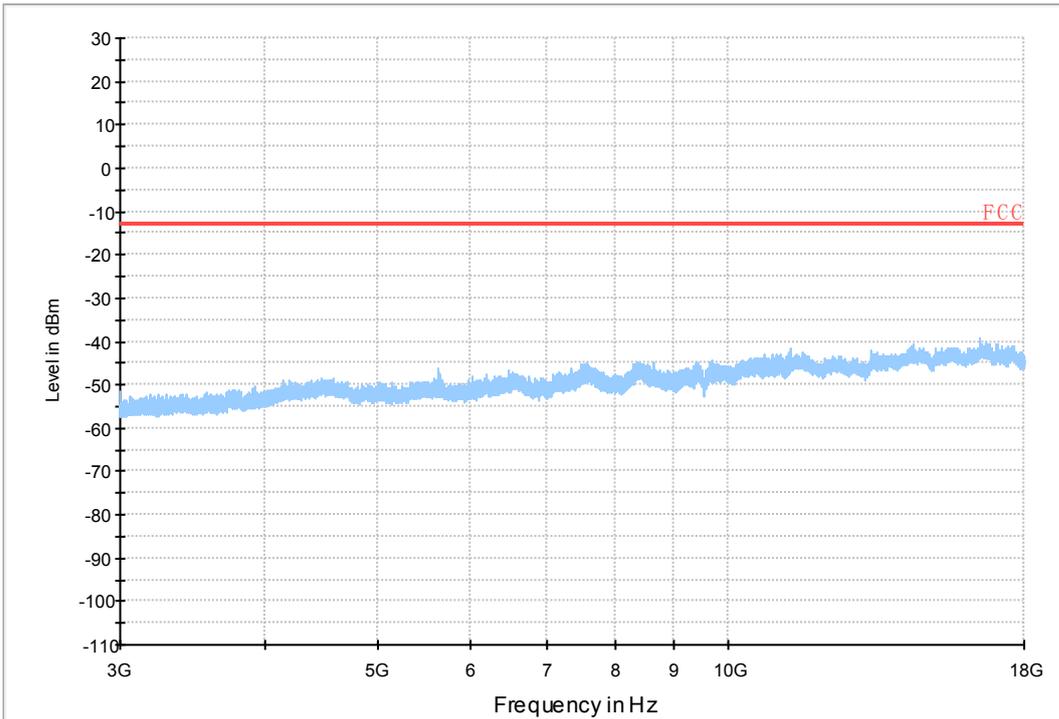
7.1.2.2 Test Mode = GSM/TM2



Copy of FCC PART24 GSM1900_L



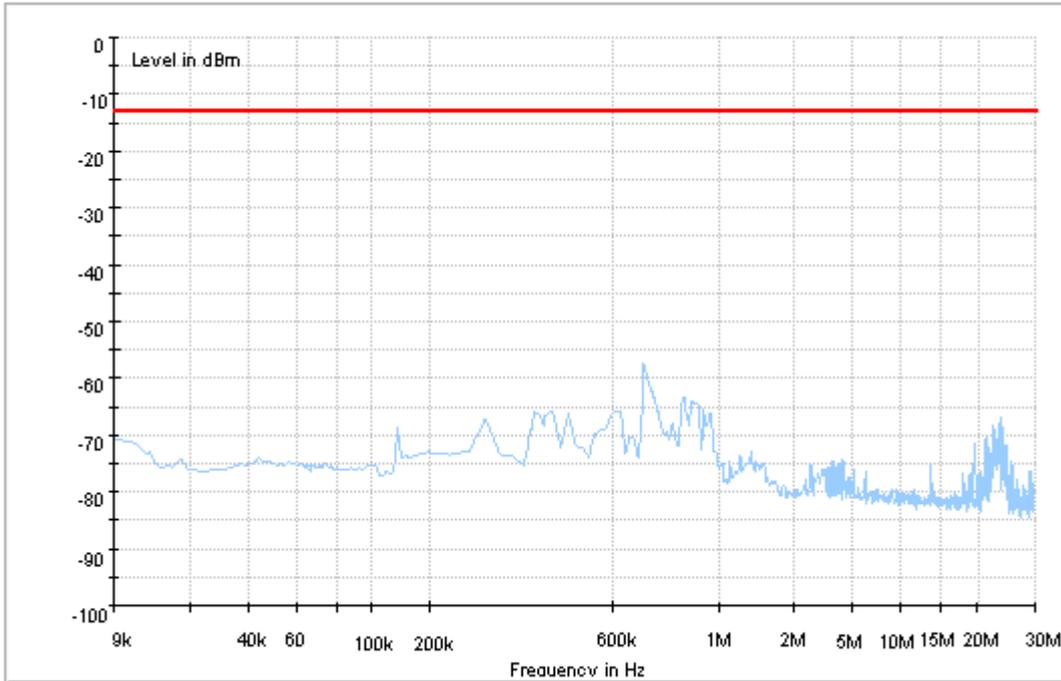
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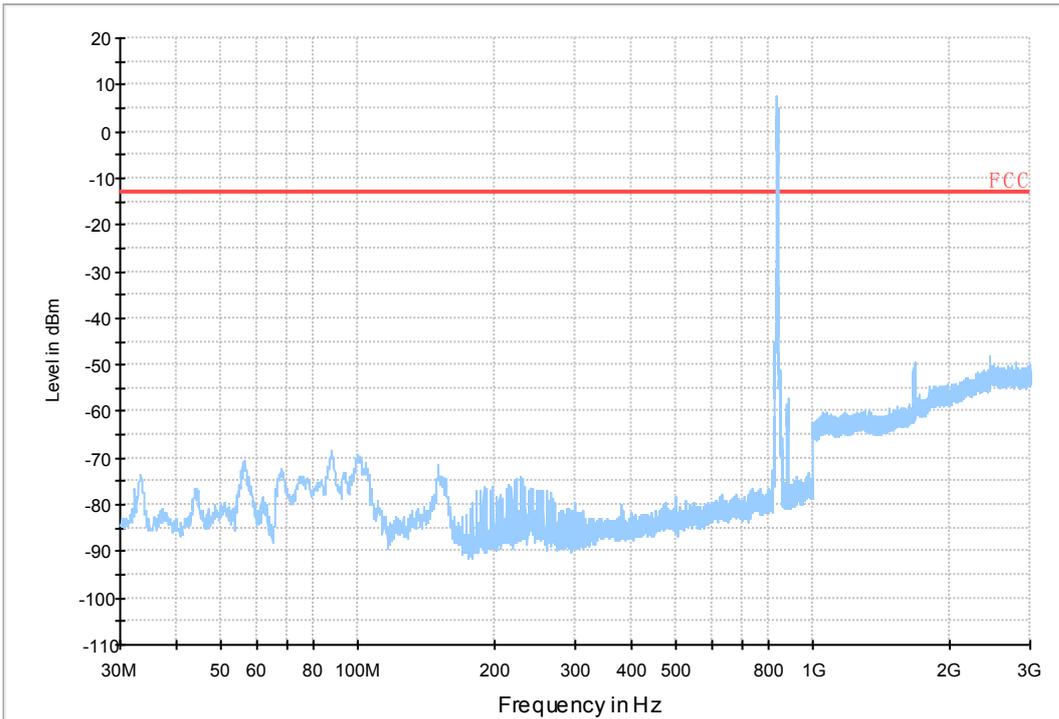
7.2 For UMTS

7.2.1 Test Band = WCDMA850

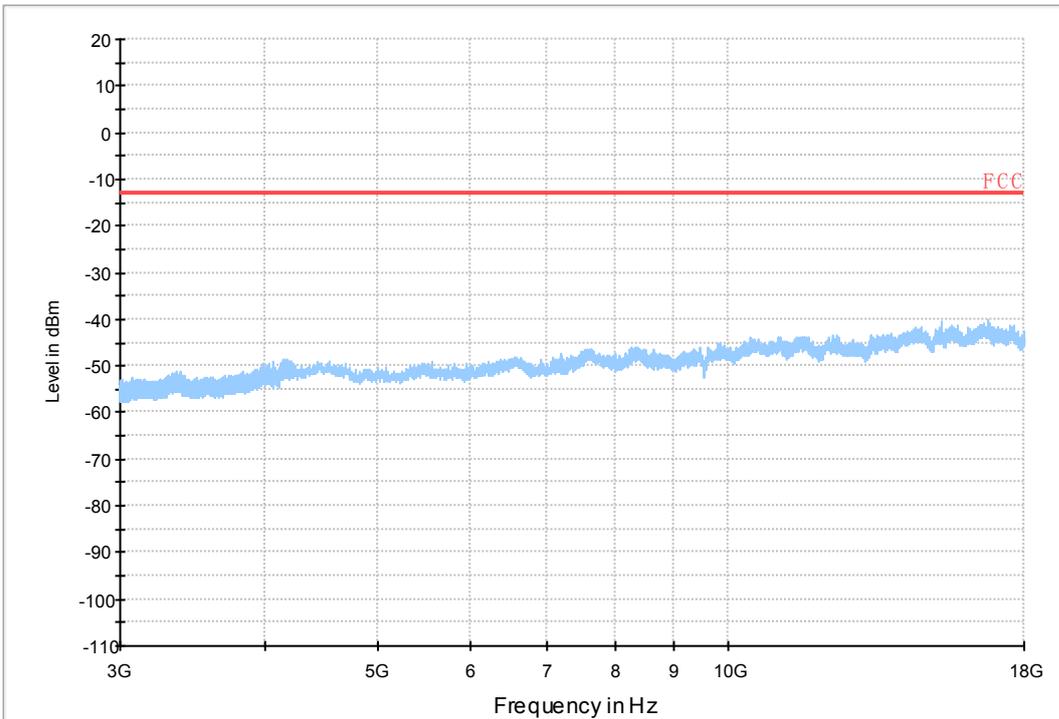
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

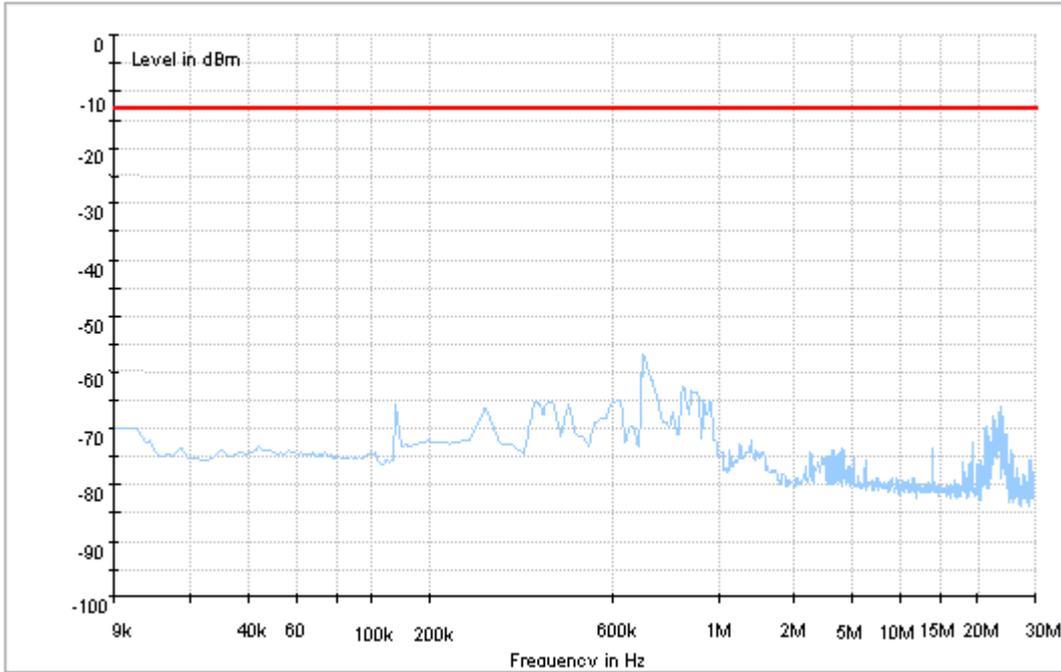


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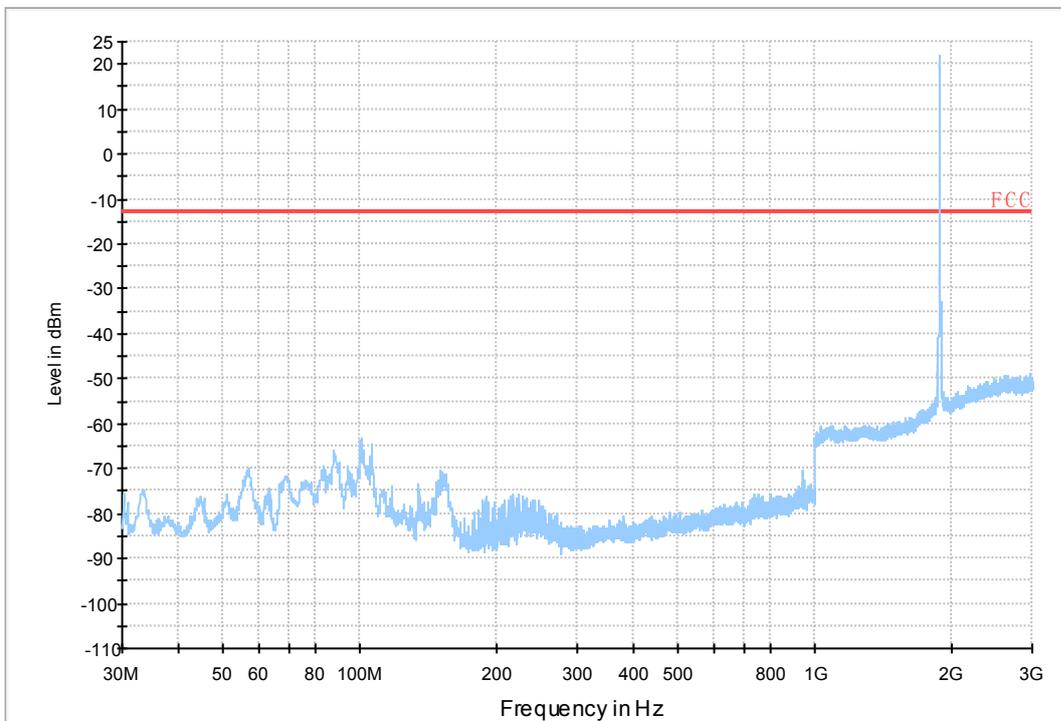


7.2.2 Test Band = WCDMA1900

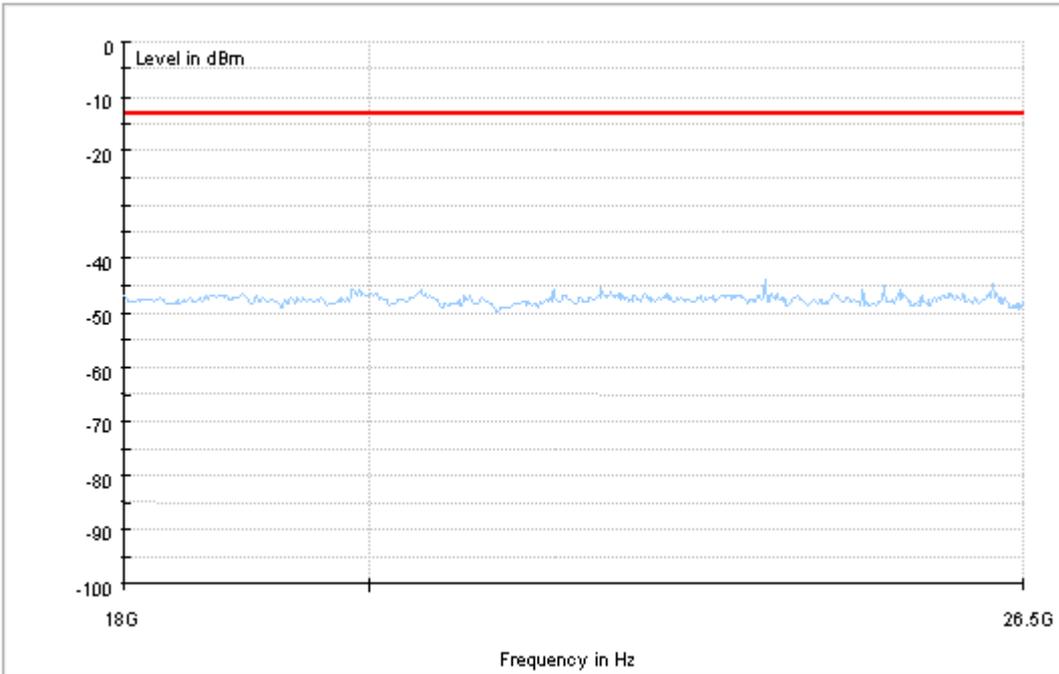
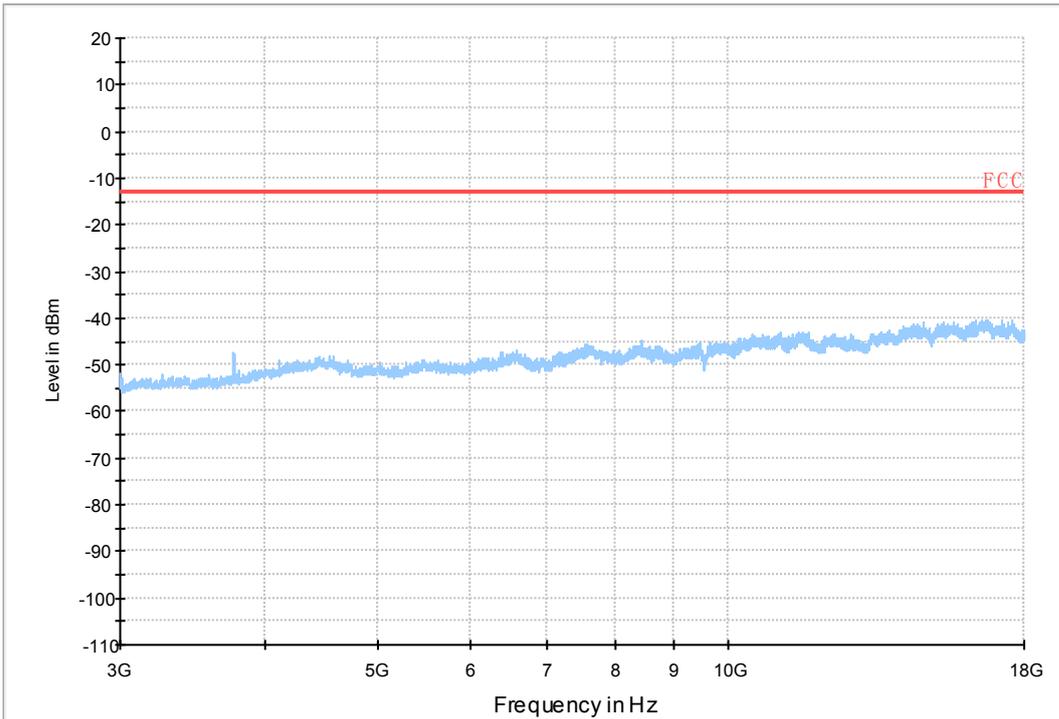
7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART 24 WCDMA1900_L

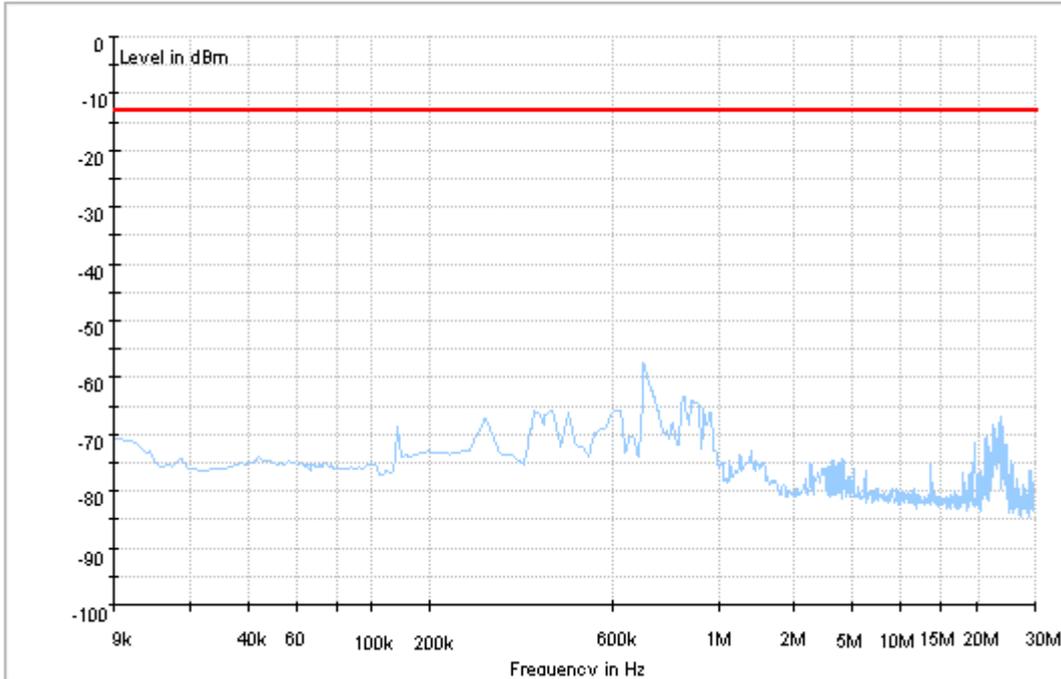


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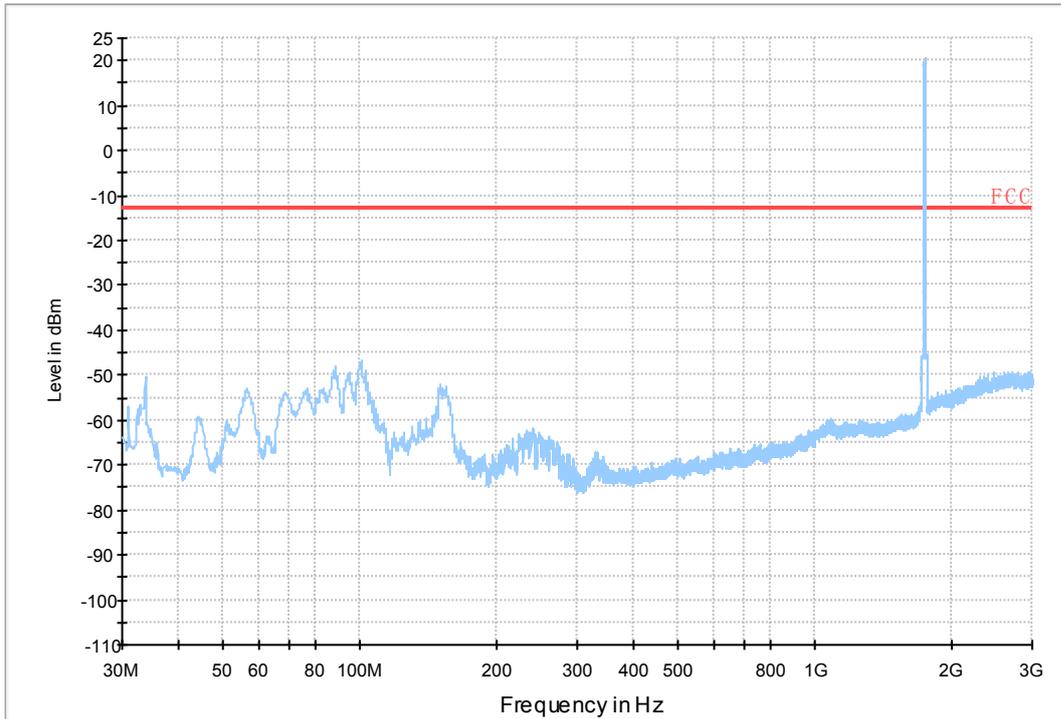


7.2.3 Test Band = WCDMA1700

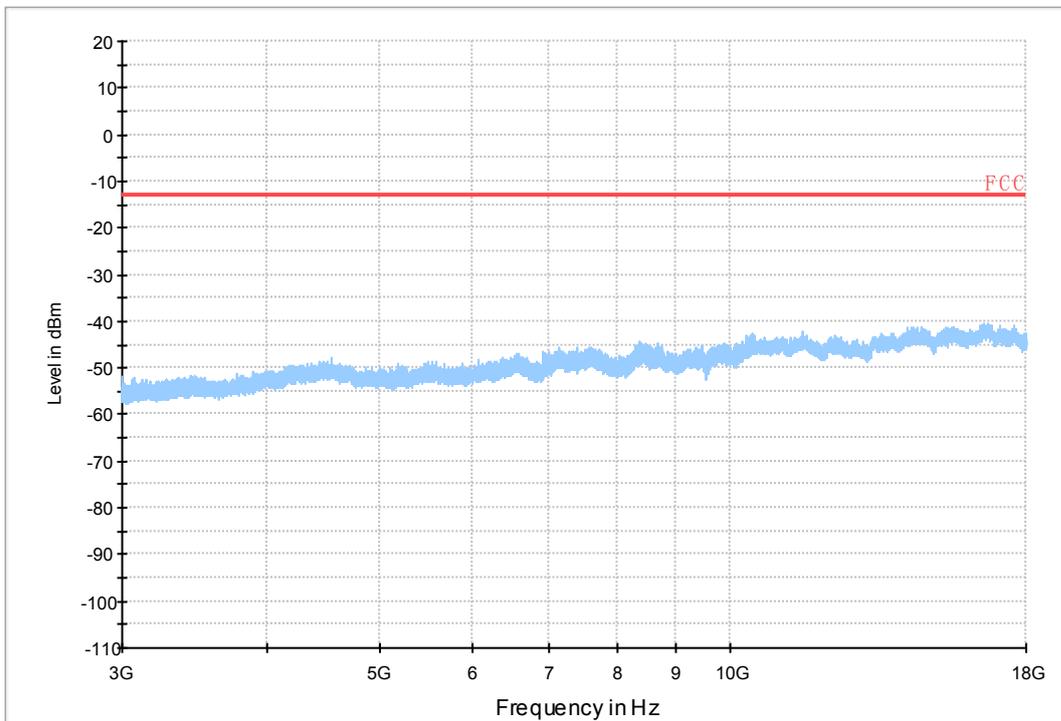
7.2.3.1 Test Mode = UMTS/TM1



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]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-8.65	-0.0105	PASS
				VN	-6.20	-0.00752	PASS
				VH	-4.33	-0.00525	PASS
		MCH	TN	VL	-6.33	-0.00757	PASS
				VN	-4.84	-0.00579	PASS
				VH	4.33	0.00518	PASS
		HCH	TN	VL	-0.84	-0.00099	PASS
				VN	1.16	0.00137	PASS
				VH	-2.07	-0.00244	PASS
	GSM/TM2	LCH	TN	VL	-7.81	-0.00948	PASS
				VN	-7.75	-0.0094	PASS
				VH	-13.30	-0.01614	PASS
		MCH	TN	VL	-6.94	-0.0083	PASS
				VN	-14.85	-0.01775	PASS
				VH	-5.20	-0.00622	PASS
		HCH	TN	VL	-7.94	-0.00935	PASS
				VN	-4.42	-0.00521	PASS
				VH	-6.01	-0.00708	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-10.20	-0.00551	PASS
				VN	-9.43	-0.0051	PASS
				VH	0.97	0.00052	PASS
		MCH	TN	VL	-10.98	-0.00584	PASS
				VN	-11.04	-0.00587	PASS
				VH	-12.98	-0.0069	PASS
		HCH	TN	VL	-6.91	-0.00362	PASS
				VN	-8.27	-0.00433	PASS
				VH	-9.49	-0.00497	PASS
	GSM/TM2	LCH	TN	VL	-6.04	-0.00326	PASS
				VN	-18.44	-0.00997	PASS
				VH	-5.46	-0.00295	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	-22.44	-0.01194	PASS
				VN	-5.49	-0.00292	PASS
				VH	-13.11	-0.00697	PASS
		HCH	TN	VL	-21.02	-0.01101	PASS
				VN	-7.36	-0.00385	PASS
				VH	-0.10	-0.00005	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	-2.45	-0.00297	PASS	
				-20	-4.33	-0.00525	PASS	
				-10	-3.62	-0.00439	PASS	
				0	-3.23	-0.00392	PASS	
				10	-3.68	-0.00446	PASS	
				20	-4.91	-0.00596	PASS	
				30	-5.88	-0.00713	PASS	
				40	-6.72	-0.00815	PASS	
				50	-1.61	-0.00195	PASS	
		MCH	VN	-30	-9.75	-0.01165	PASS	
				-20	-5.88	-0.00703	PASS	
				-10	-1.94	-0.00232	PASS	
				0	0.19	0.00023	PASS	
				10	-4.91	-0.00587	PASS	
				20	-5.10	-0.0061	PASS	
				30	-1.87	-0.00224	PASS	
				40	-5.55	-0.00663	PASS	
				50	-1.10	-0.00131	PASS	
		HCH	VN	-30	-3.75	-0.00442	PASS	
				-20	-5.23	-0.00616	PASS	
				-10	-6.2	-0.0073	PASS	
				0	-4.97	-0.00586	PASS	
				10	-5.04	-0.00594	PASS	
				20	-3.36	-0.00396	PASS	
				30	2.26	0.00266	PASS	
				40	-2.07	-0.00244	PASS	
				50	-3.10	-0.00365	PASS	
		GSM/TM2	LCH	VN	-30	-8.56	-0.01039	PASS
					-20	-6.13	-0.00744	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				-10	-13.72	-0.01665	PASS						
				0	-8.39	-0.01018	PASS						
				10	-6.72	-0.00815	PASS						
				20	-6.84	-0.0083	PASS						
				30	-7.72	-0.00937	PASS						
				40	-10.62	-0.01289	PASS						
				50	-12.17	-0.01477	PASS						
		MCH	VN			-30	-10.43	-0.01247	PASS				
						-20	-7.20	-0.00861	PASS				
						-10	-14.69	-0.01756	PASS				
						0	-9.98	-0.01193	PASS				
						10	-8.78	-0.01049	PASS				
						20	-7.81	-0.00934	PASS				
						30	-11.78	-0.01408	PASS				
						40	-4.94	-0.0059	PASS				
		HCH	VN			50	-8.68	-0.01038	PASS				
						-30	-7.39	-0.00871	PASS				
						-20	-8.43	-0.00993	PASS				
						-10	-8.88	-0.01046	PASS				
						0	-3.52	-0.00415	PASS				
						10	-1.10	-0.0013	PASS				
						20	-2.62	-0.00309	PASS				
						30	-1.58	-0.00186	PASS				
		GSM1900	GSM/TM1	LCH	VN					40	-2.39	-0.00282	PASS
										50	-8.65	-0.01019	PASS
										-30	-2.45	-0.00132	PASS
										-20	-12.79	-0.00691	PASS
-10	-17.56									-0.00949	PASS		
0	-9.69									-0.00524	PASS		
10	-6.52									-0.00352	PASS		
20	-10.27			-0.00555	PASS								
30	-9.69			-0.00524	PASS								
40	0.19			0.0001	PASS								
50	-17.82			-0.00963	PASS								
MCH	VN									-30	-17.31	-0.00921	PASS
										-20	-11.17	-0.00594	PASS
										-10	-2.07	-0.0011	PASS
		0	-4.20							-0.00223	PASS		
		10	-13.95							-0.00742	PASS		
		20	-13.95							-0.00742	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict										
				30	-12.46	-0.00663	PASS										
				40	-19.18	-0.0102	PASS										
				50	-7.55	-0.00402	PASS										
		HCH	VN			-30	-21.57	-0.01129	PASS								
						-20	-10.14	-0.00531	PASS								
						-10	-14.85	-0.00778	PASS								
						0	-12.01	-0.00629	PASS								
						10	-3.68	-0.00193	PASS								
						20	-18.73	-0.00981	PASS								
						30	-19.50	-0.01021	PASS								
						40	-7.43	-0.00389	PASS								
						50	-14.72	-0.00771	PASS								
						GSM/TM2		LCH	VN								
														-30	-4.88	-0.00264	PASS
														-20	-11.20	-0.00605	PASS
	-10	-11.62	-0.00628	PASS													
	0	-8.43	-0.00456	PASS													
	10	-17.18	-0.00929	PASS													
	20	-17.98	-0.00972	PASS													
	30	-3.42	-0.00185	PASS													
	40	-21.99	-0.01189	PASS													
	50	-18.24	-0.00986	PASS													
	MCH	VN															
											-30	-11.82	-0.00629	PASS			
											-20	-15.27	-0.00812	PASS			
											-10	-4.13	-0.0022	PASS			
											0	-6.88	-0.00366	PASS			
						10	-18.11				-0.00963	PASS					
						20	-16.47				-0.00876	PASS					
	30	-9.78	-0.0052	PASS													
	40	-19.50	-0.01037	PASS													
	50	-16.66	-0.00886	PASS													
	HCH	VN															
									-30	-9.07	-0.00475	PASS					
									-20	-2.36	-0.00124	PASS					
									-10	-17.27	-0.00904	PASS					
0									-23.02	-0.01205	PASS						
10									-23.73	-0.01243	PASS						
20									-26.47	-0.01386	PASS						
30									-4.26	-0.00223	PASS						
40	-14.56	-0.00762	PASS														
50	-11.40	-0.00597	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	0.03	0.00004	PASS
				VN	4.50	0.00545	PASS
				VH	2.46	0.00298	PASS
		MCH	TN	VL	-2.32	-0.00277	PASS
				VN	1.80	0.00215	PASS
				VH	2.98	0.00356	PASS
		HCH	TN	VL	-3.98	-0.0047	PASS
				VN	-3.28	-0.00387	PASS
				VH	-2.70	-0.00319	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-2.24	-0.00121	PASS
				VN	-1.34	-0.00072	PASS
				VH	-0.34	-0.00018	PASS
		MCH	TN	VL	-6.68	-0.00355	PASS
				VN	-7.95	-0.00423	PASS
				VH	-5.00	-0.00266	PASS
		HCH	TN	VL	-10.99	-0.00576	PASS
				VN	-12.89	-0.00676	PASS
				VH	-7.63	-0.004	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	13.50	0.00788	PASS
				VN	14.18	0.00828	PASS
				VH	13.93	0.00813	PASS
		MCH	TN	VL	3.88	0.00224	PASS
				VN	1.83	0.00106	PASS
				VH	4.52	0.00261	PASS
		HCH	TN	VL	-20.22	-0.01154	PASS
				VN	-19.74	-0.01126	PASS
				VH	-22.64	-0.01292	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	1.31	0.00159	PASS
				-20	1.62	0.00196	PASS
				-10	1.50	0.00182	PASS
				0	2.53	0.00306	PASS
				10	2.03	0.00246	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				20	1.36	0.00165	PASS		
				30	1.10	0.00133	PASS		
				40	3.54	0.00428	PASS		
				50	2.61	0.00316	PASS		
		MCH	VN			-30	-1.19	-0.00142	PASS
						-20	0.95	0.00114	PASS
						-10	-0.09	-0.00011	PASS
						0	-0.66	-0.00079	PASS
						10	1.69	0.00202	PASS
						20	-1.60	-0.00191	PASS
						30	-1.40	-0.00167	PASS
						40	2.52	0.00301	PASS
						50	-0.26	-0.00031	PASS
						HCH	VN		
		-20	-1.45	-0.00171	PASS				
		-10	-3.42	-0.00404	PASS				
		0	-3.27	-0.00386	PASS				
		10	-2.59	-0.00306	PASS				
		20	-2.18	-0.00258	PASS				
		30	-2.61	-0.00308	PASS				
		40	-3.11	-0.00367	PASS				
		50	-1.39	-0.00164	PASS				
		WCDMA1900	UMTS/TM1	LCH	VN				
						-20	-0.53	-0.00029	PASS
						-10	-0.84	-0.00045	PASS
						0	-0.27	-0.00015	PASS
						10	-3.25	-0.00175	PASS
						20	-0.32	-0.00017	PASS
						30	-3.39	-0.00183	PASS
						40	-1.40	-0.00076	PASS
50	-1.14					-0.00062	PASS		
MCH	VN							-30	-6.62
				-20	-9.34			-0.00497	PASS
				-10	-3.80			-0.00202	PASS
				0	-7.58			-0.00403	PASS
				10	-1.50			-0.0008	PASS
				20	-1.34			-0.00071	PASS
				30	-5.72			-0.00304	PASS
				40	-3.88			-0.00206	PASS
				50	-5.84			-0.00311	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	-30	-9.40	-0.00493	PASS
				-20	-7.17	-0.00376	PASS
				-10	-10.39	-0.00545	PASS
				0	-13.17	-0.0069	PASS
				10	-10.89	-0.00571	PASS
				20	-9.37	-0.00491	PASS
				30	-7.95	-0.00417	PASS
				40	-13.63	-0.00715	PASS
				50	-9.28	-0.00486	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	13.34	0.00779	PASS
				-20	11.18	0.00653	PASS
				-10	13.64	0.00797	PASS
				0	14.71	0.00859	PASS
				10	12.86	0.00751	PASS
				20	15.50	0.00905	PASS
				30	15.18	0.00886	PASS
				40	14.27	0.00833	PASS
				50	16.02	0.00936	PASS
		MCH	VN	-30	1.53	0.00088	PASS
				-20	4.97	0.00287	PASS
				-10	3.20	0.00185	PASS
				0	6.65	0.00384	PASS
				10	5.28	0.00305	PASS
				20	6.13	0.00354	PASS
				30	4.73	0.00273	PASS
				40	4.39	0.00253	PASS
				50	5.29	0.00305	PASS
		HCH	VN	-30	-18.66	-0.01065	PASS
				-20	-18.02	-0.01028	PASS
				-10	-24.66	-0.01407	PASS
				0	-20.71	-0.01182	PASS
				10	-17.65	-0.01007	PASS
				20	-20.36	-0.01162	PASS
				30	-21.33	-0.01217	PASS
				40	-20.58	-0.01174	PASS
				50	-19.65	-0.01121	PASS

END