



Appendix for Test report



1Appendix_A: Transmit Output Power Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dBm]	ERP (dBm)	Limit [dBm]	Verdict
GSM850	GSM/TM1	LCH	31.92	28.73	38.5	PASS
		MCH	32.93	29.74	38.5	PASS
		HCH	32.03	28.81	38.5	PASS
	GSM/TM2	LCH	26.68	23.53	38.5	PASS
		MCH	26.69	23.55	38.5	PASS
		HCH	26.78	23.61	38.5	PASS
WCDMA 850	UMTS/TM1	LCH	23.15	20.02	38.5	PASS
		MCH	23.12	19.93	38.5	PASS
		HCH	23.29	20.13	38.5	PASS

Test Band	Test Mode	Test Channel	Measured[dBm]	EIRP (dBm)	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	29.35	28.81	33	PASS
		MCH	29.23	28.72	33	PASS
		HCH	29.14	28.62	33	PASS
	GSM/TM2	LCH	26.02	25.54	33	PASS
		MCH	25.94	25.45	33	PASS
		HCH	25.88	25.33	33	PASS
WCDMA1900	UMTS/TM1	LCH	22.48	21.91	33	PASS
		MCH	22.48	21.95	33	PASS
		HCH	22.59	22.07	33	PASS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
GSM1900	GSM/TM1	LCH	0.14	13	PASS
		MCH	0.16	13	PASS
		HCH	0.11	13	PASS
	GSM/TM2	LCH	3.2	13	PASS
		MCH	3.2	13	PASS
		HCH	3.12	13	PASS
WCDMA1900	UMTS/TM1	LCH	3.46	13	PASS
		MCH	3.33	13	PASS
		HCH	3.41	13	PASS



3Appendix_C: Modulation Characteristics

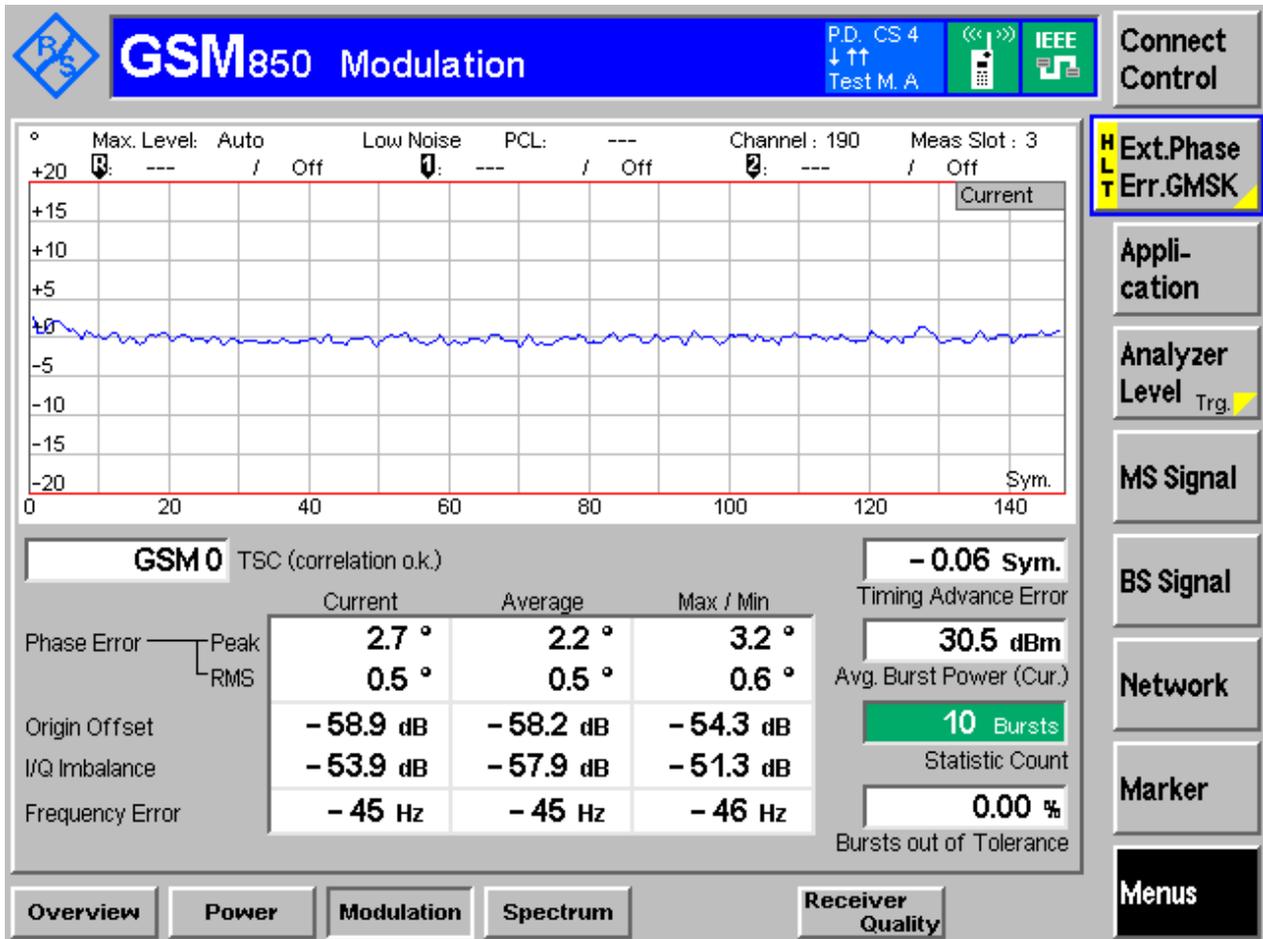
Part I - Test Plots

3.1 For GSM

3.1.1 Test Band = GSM850

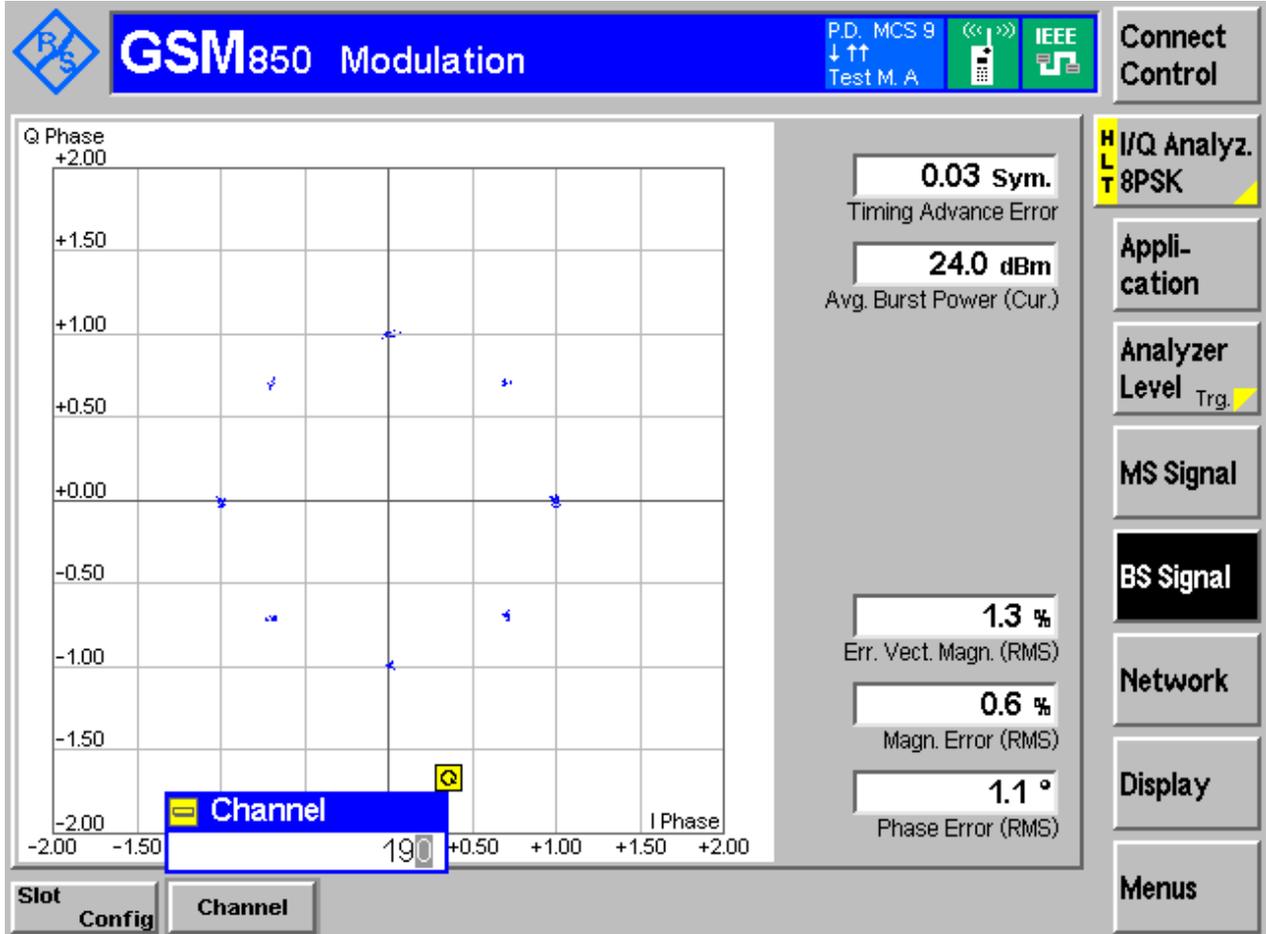
3.1.1.1 Test Mode = GSM/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = GSM/TM2

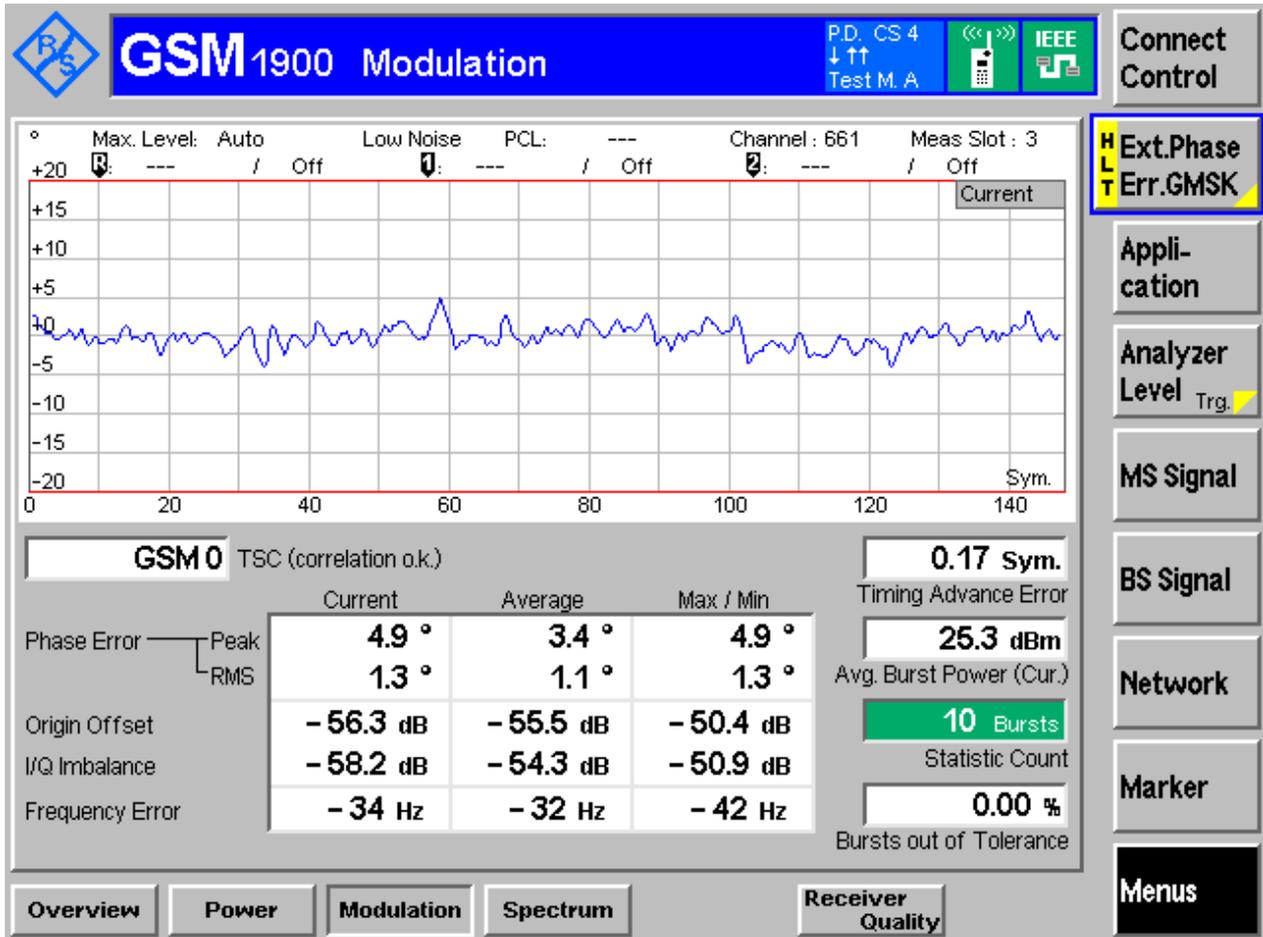
3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

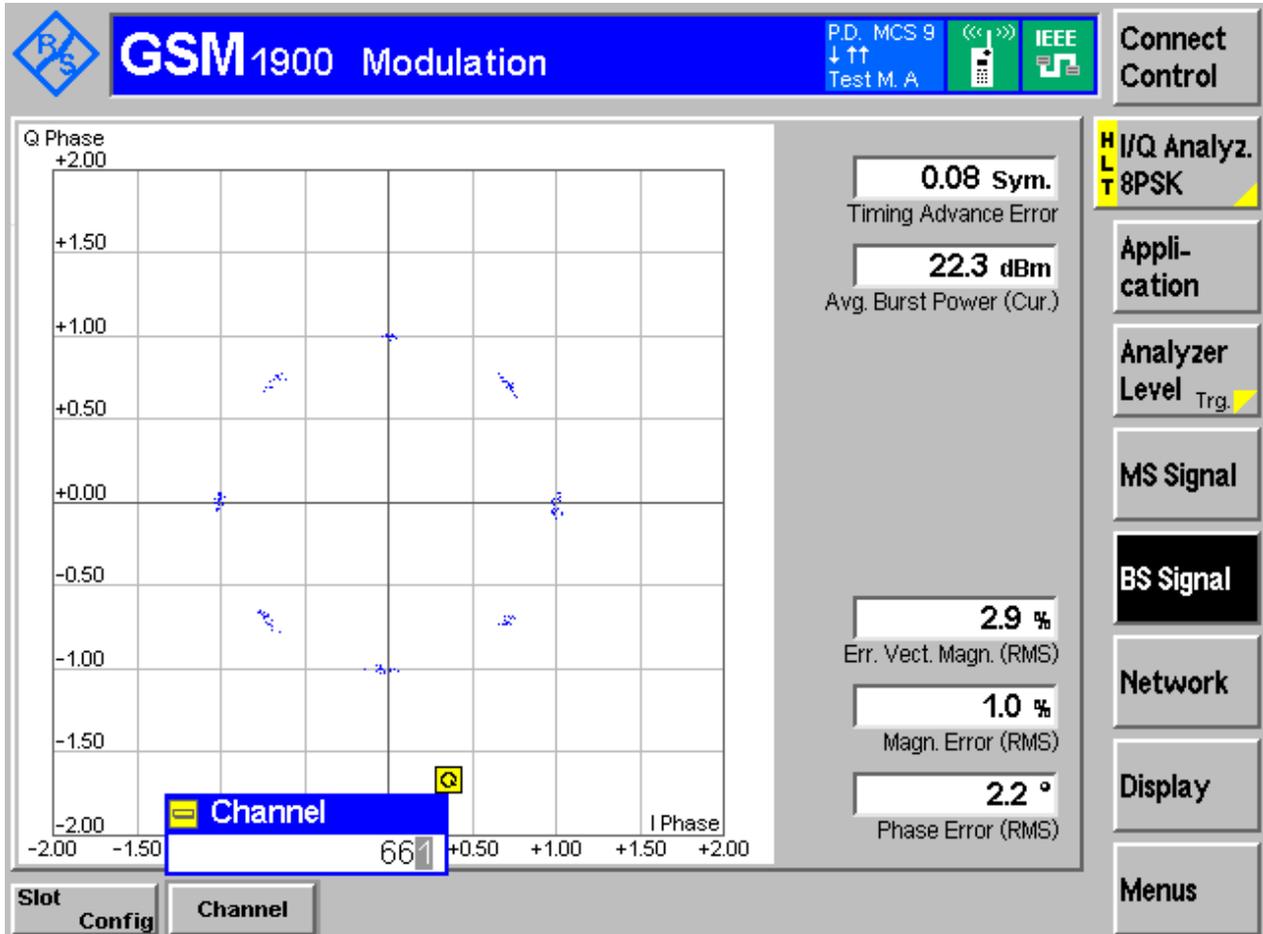
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH

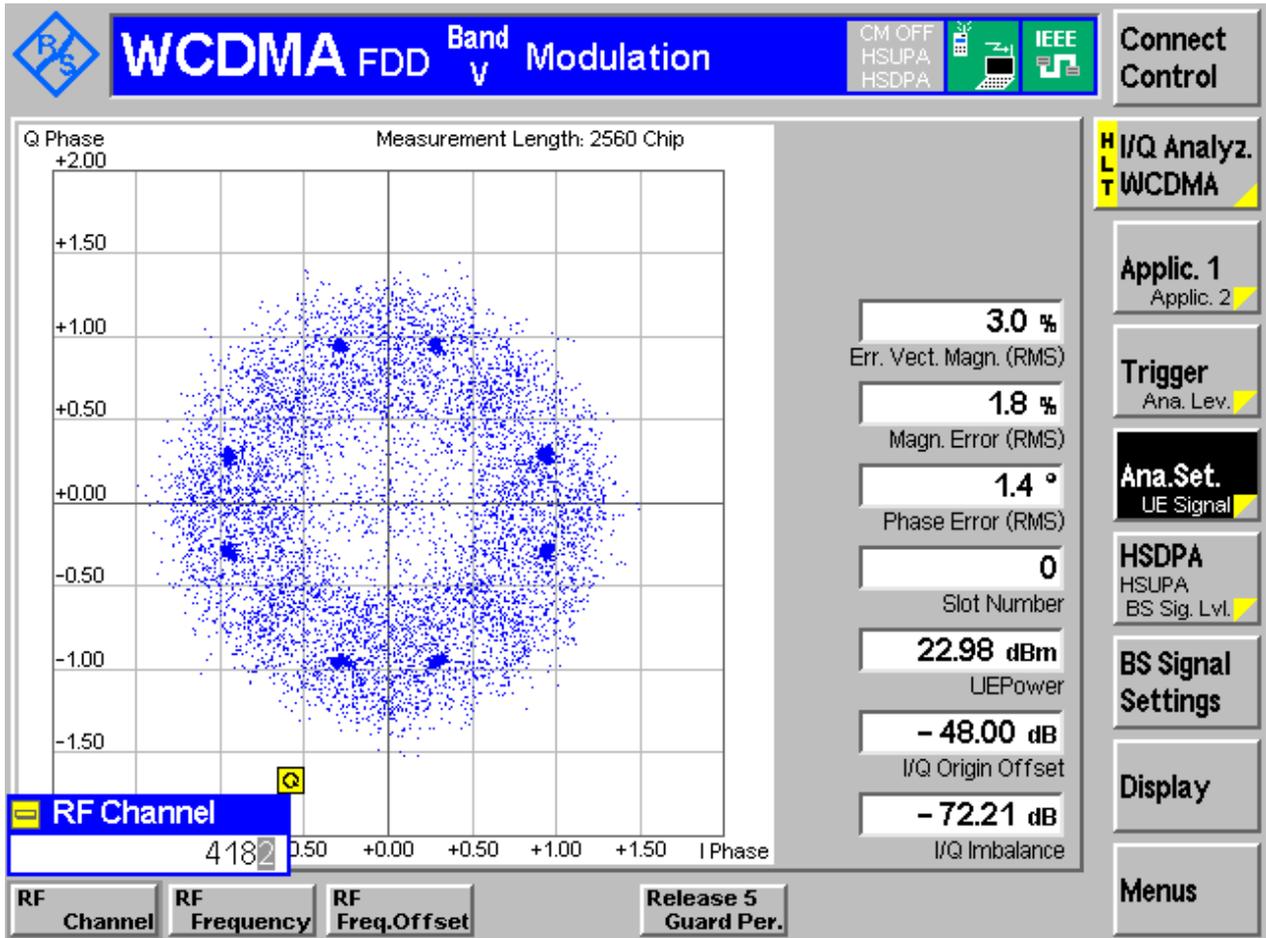


3.2 For UMTS

3.2.1 Test Band = WCDMA850

3.2.1.1 Test Mode = UMTS/TM1

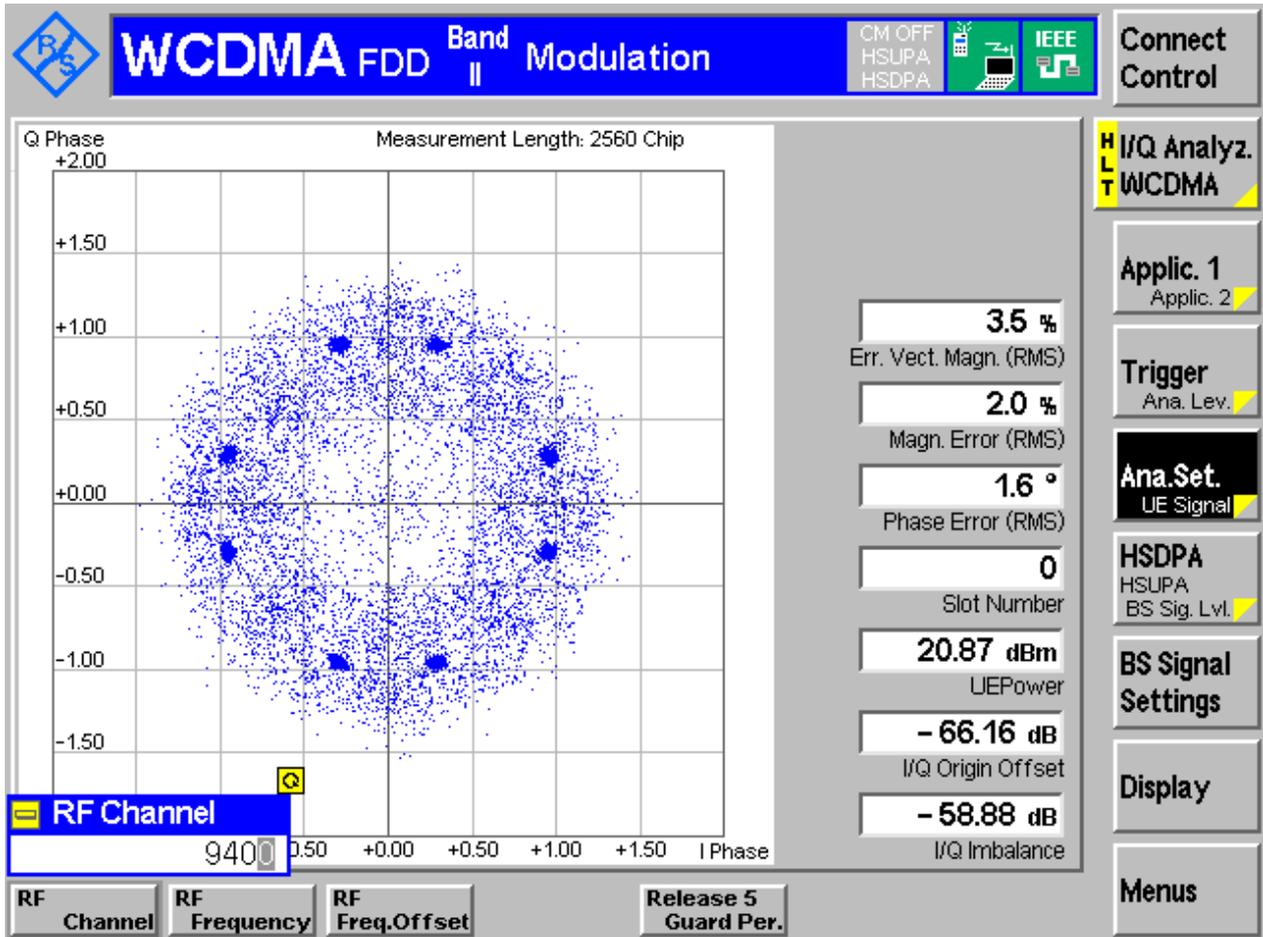
3.2.1.1.1 Test Channel = MCH



3.2.2 Test Band = WCDMA1900

3.2.2.1 Test Mode = UMTS/TM1

3.2.2.1.1 Test Channel = MCH





4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [kHz]	Emission Bandwidth [kHz]	Verdict
GSM850	GSM/TM1	LCH	244.27	317.30	Pass
		MCH	244.99	318.48	Pass
		HCH	247.40	318.99	Pass
	GSM/TM2	LCH	245.36	313.56	Pass
		MCH	242.60	310.66	Pass
		HCH	241.85	301.28	Pass
GSM1900	GSM/TM1	LCH	241.40	315.35	Pass
		MCH	246.86	314.45	Pass
		HCH	245.23	315.75	Pass
	GSM/TM2	LCH	242.29	306.35	Pass
		MCH	237.40	292.02	Pass
		HCH	245.14	320.61	Pass

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.15	4.68	Pass
		MCH	4.17	4.68	Pass
		HCH	4.16	4.68	Pass
WCDMA1900	UMTS/TM1	LCH	4.16	4.68	Pass
		MCH	4.16	4.67	Pass
		HCH	4.15	4.66	Pass



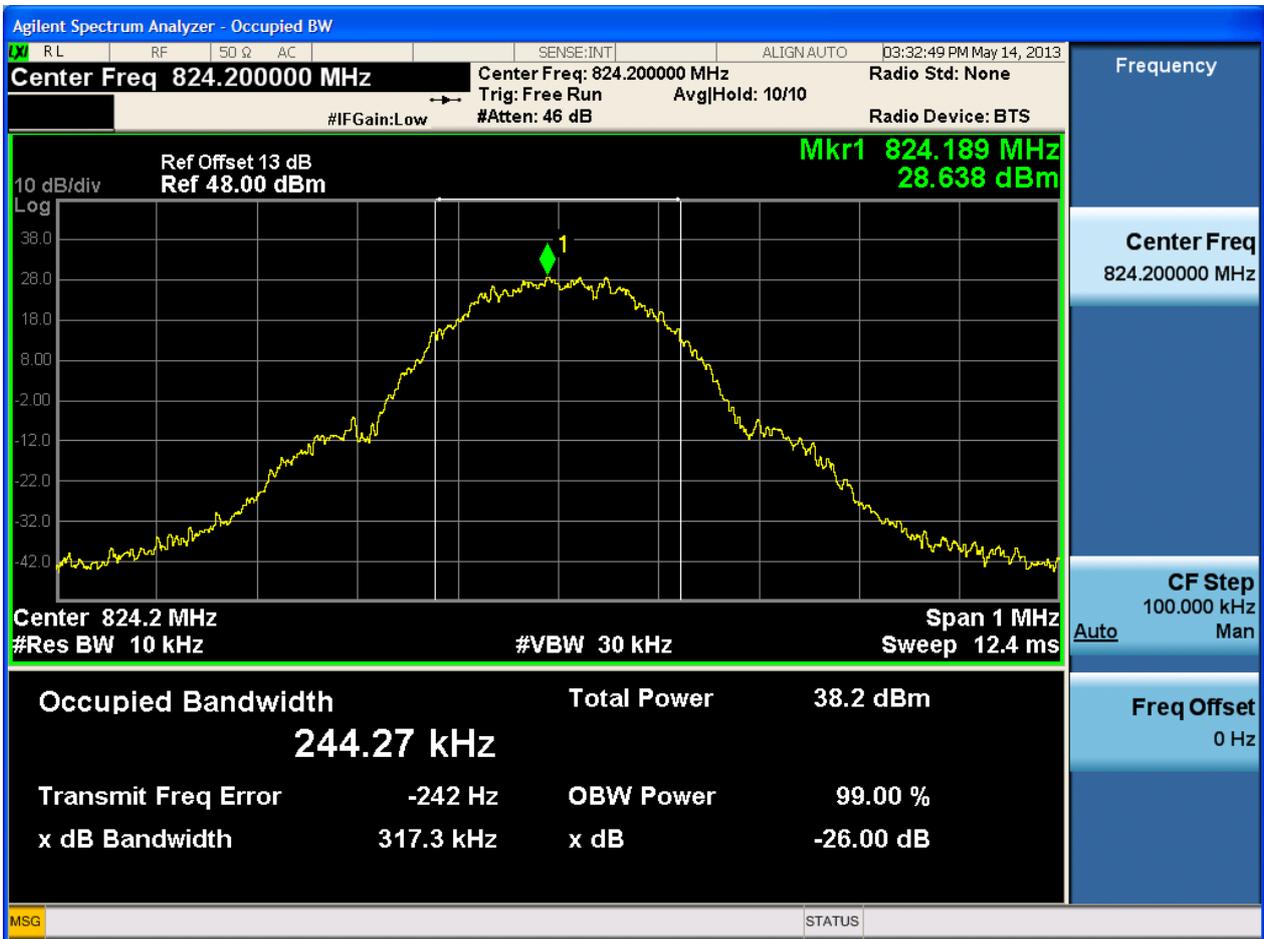
Part II - Test Plots

4.1 For GSM

4.1.1 Test Band = GSM850

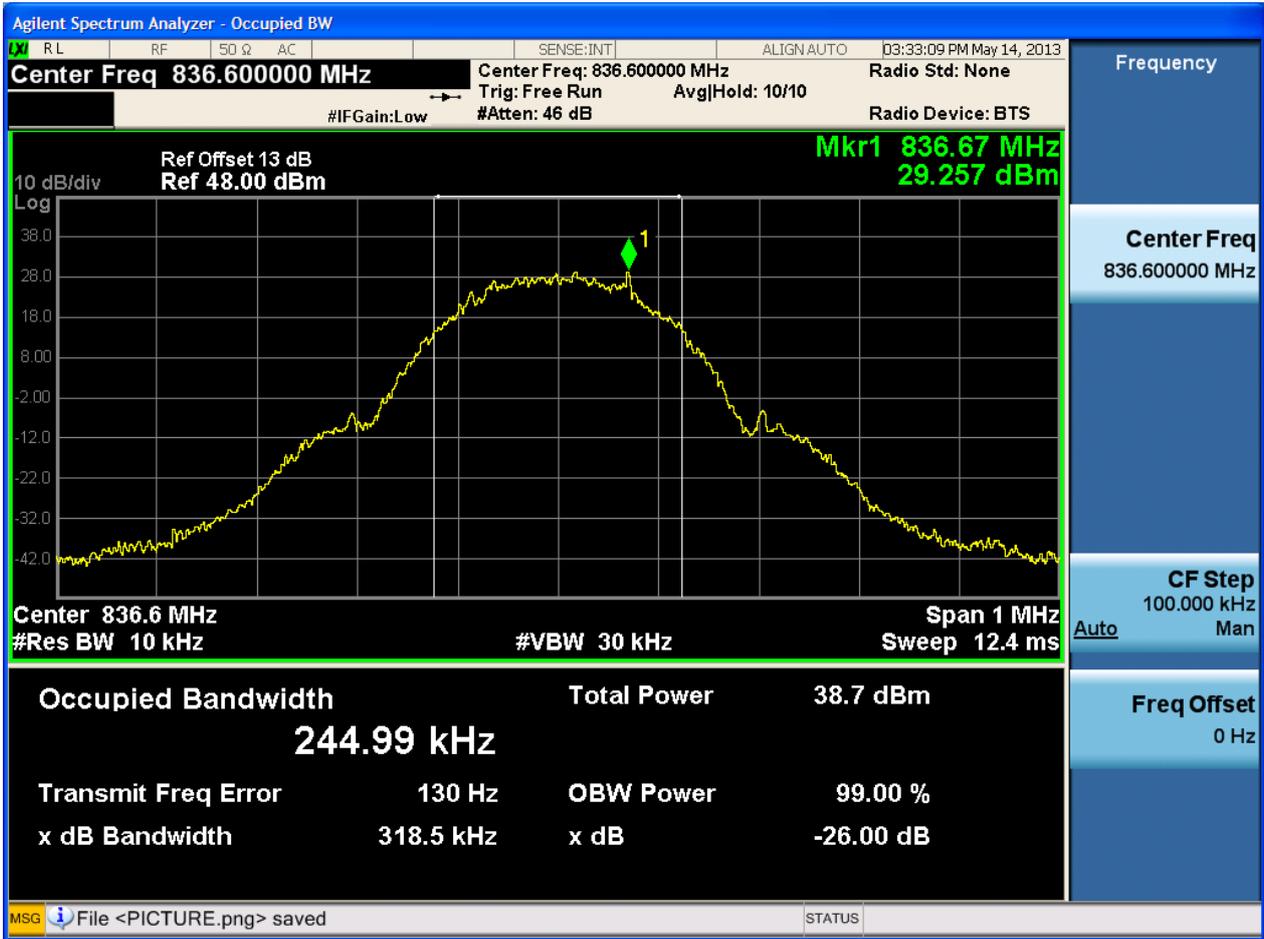
4.1.1.1 Test Mode = GSM/TM1

4.1.1.1.1 Test Channel = LCH



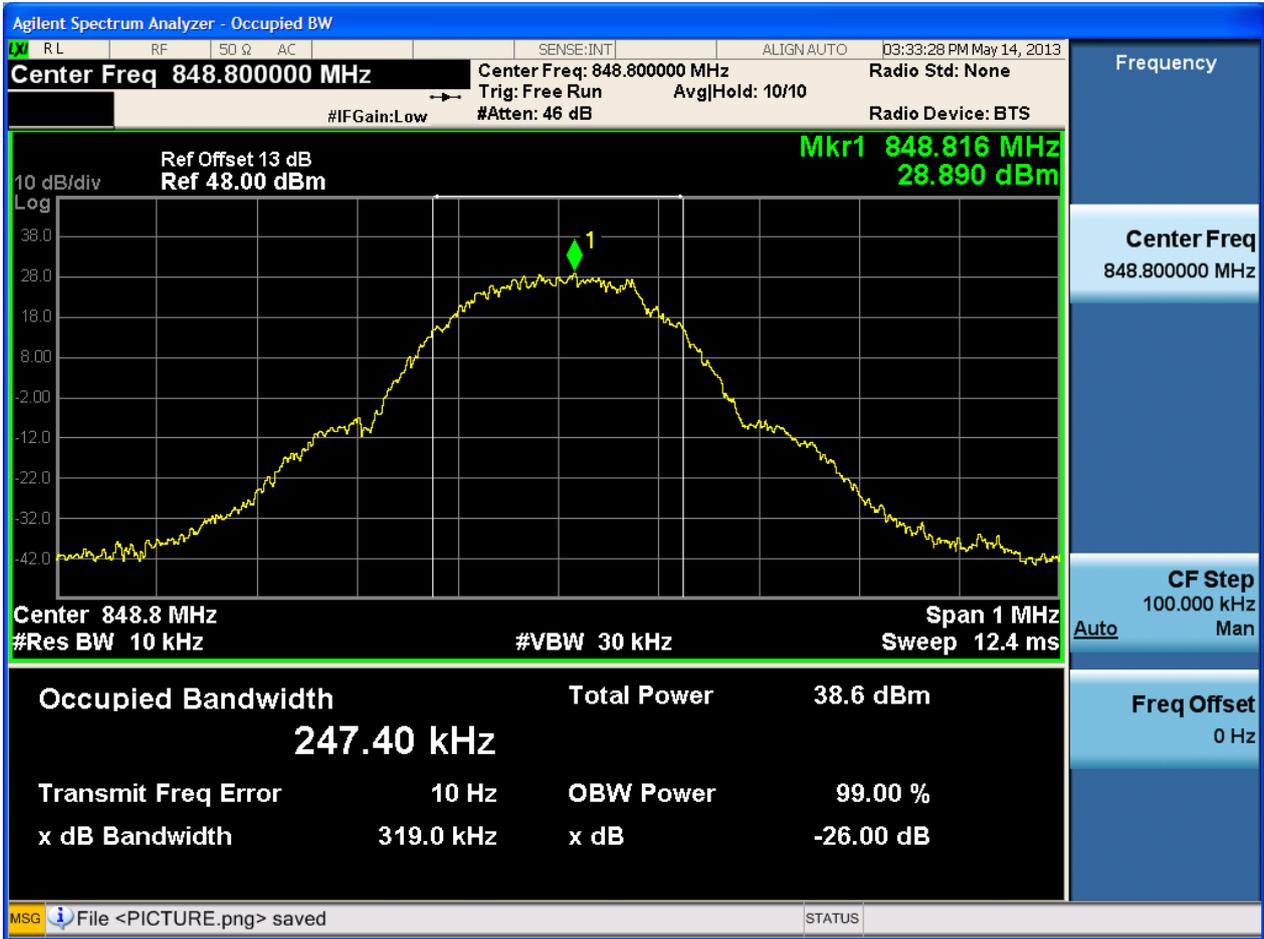


4.1.1.1.2 Test Channel = MCH





4.1.1.1.3 Test Channel = HCH





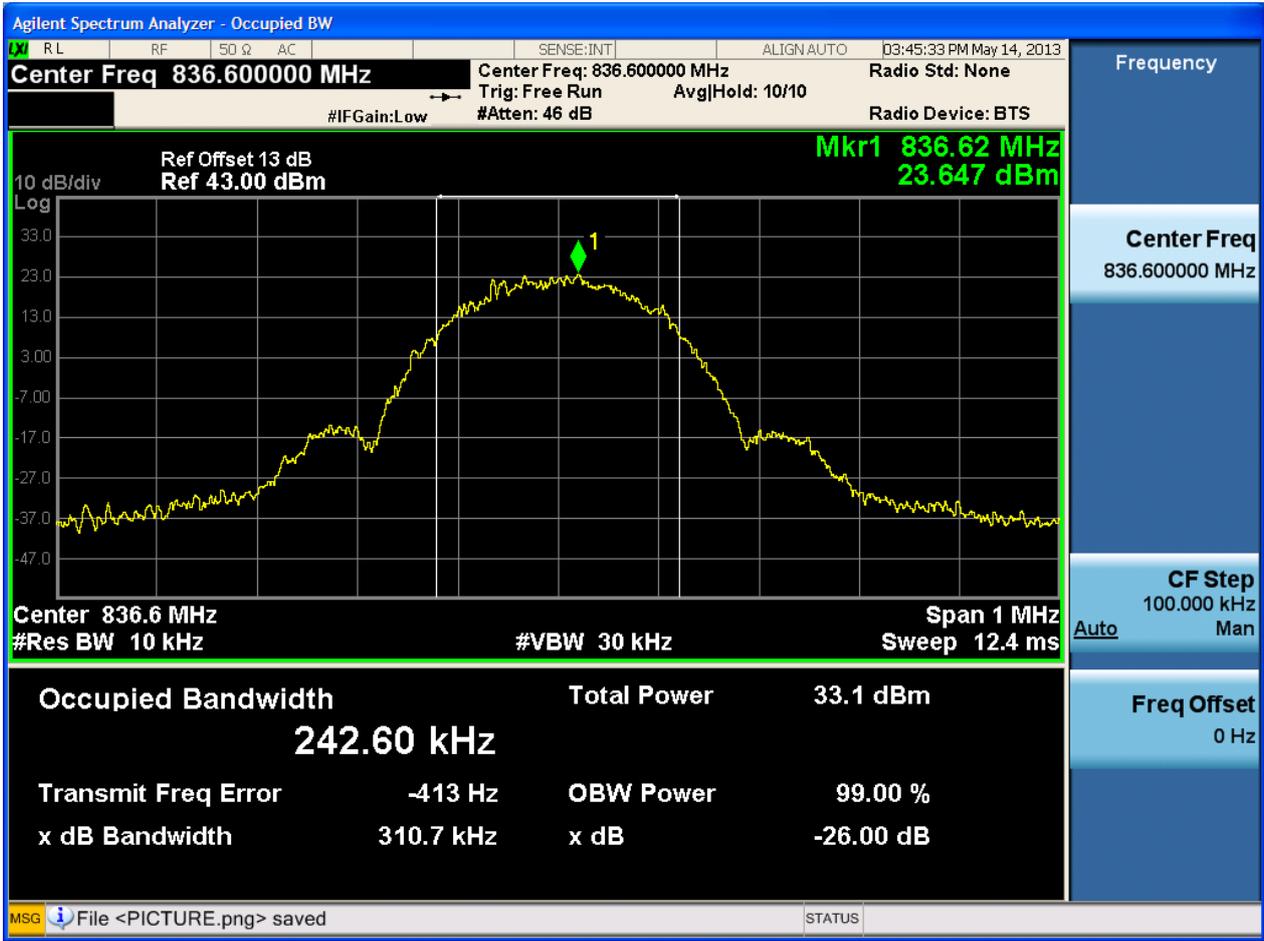
4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH





4.1.1.2.2 Test Channel = MCH





4.1.1.2.3 Test Channel = HCH





4.1.2 Test Band = GSM1900

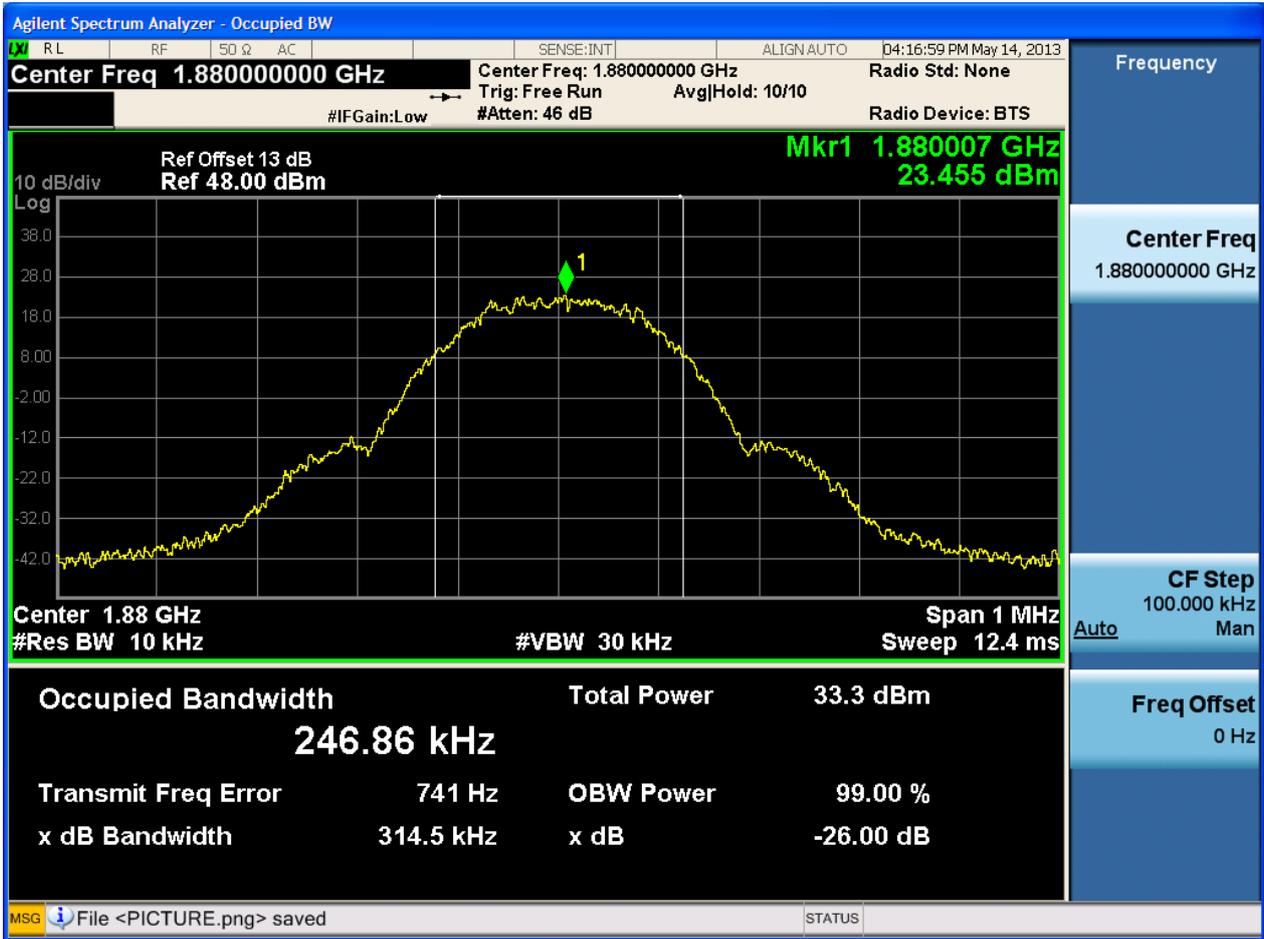
4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH





4.1.2.1.2 Test Channel = MCH





4.1.2.1.3 Test Channel = HCH





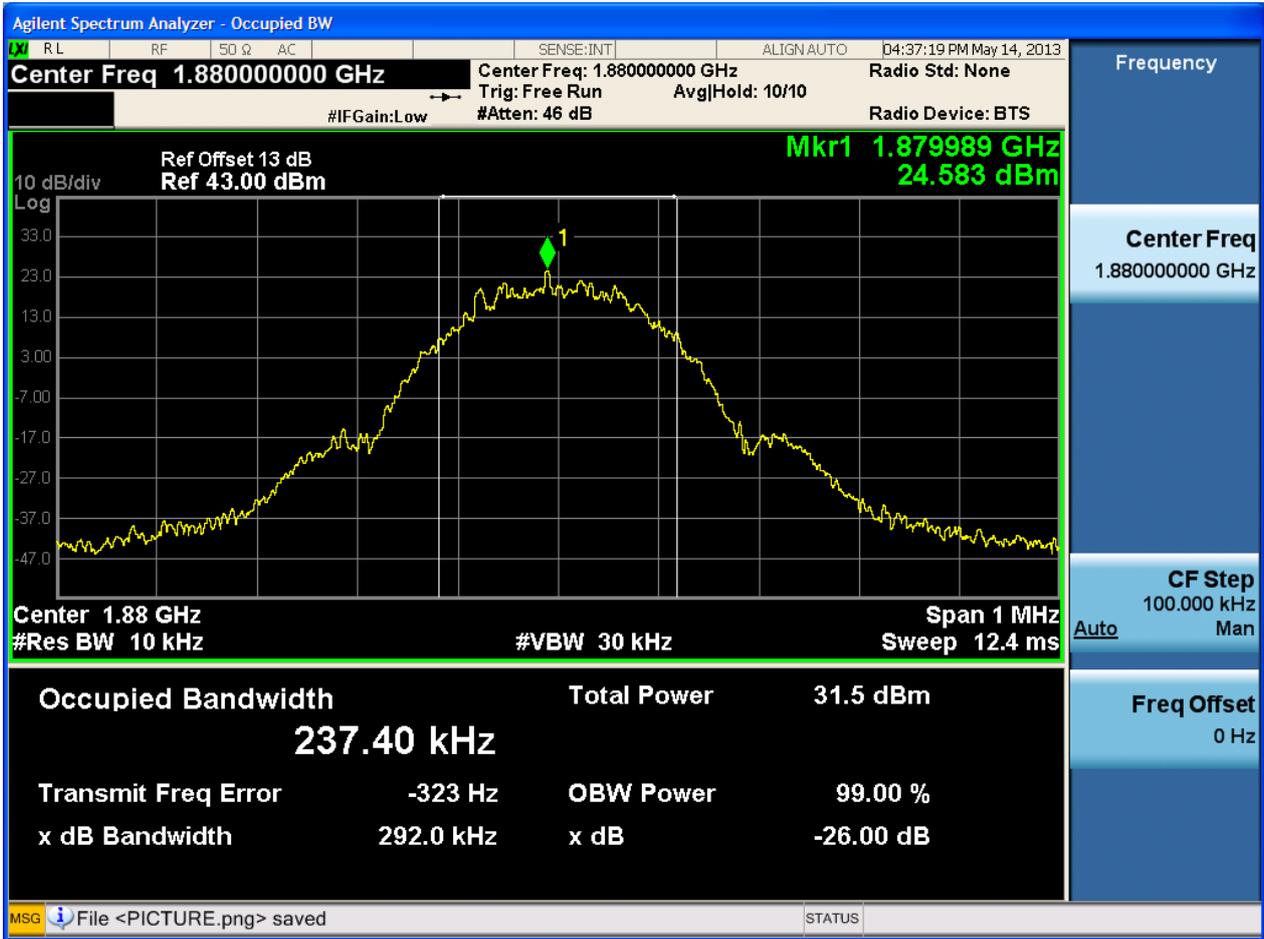
4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH



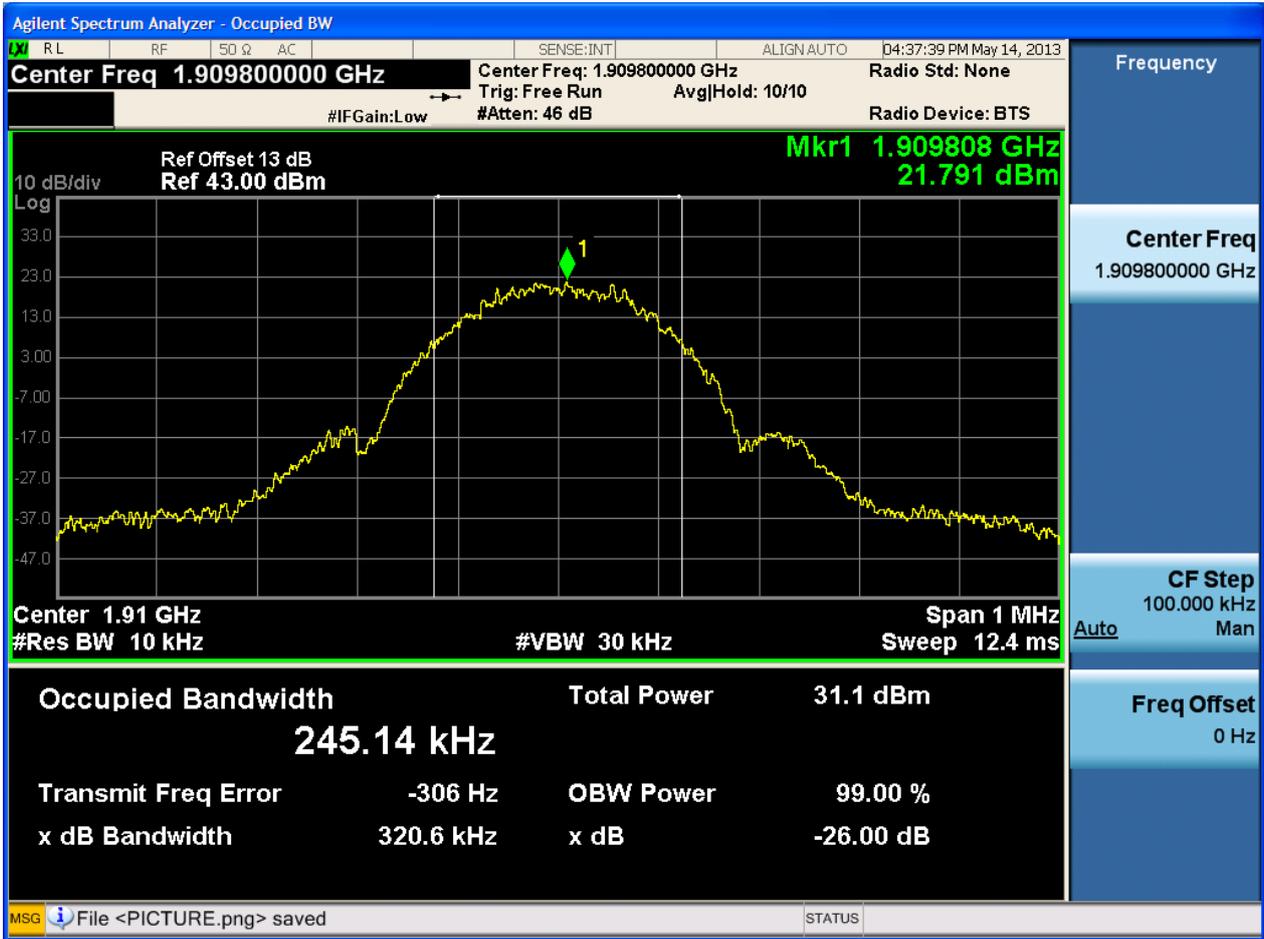


4.1.2.2.2 Test Channel = MCH





4.1.2.2.3 Test Channel = HCH



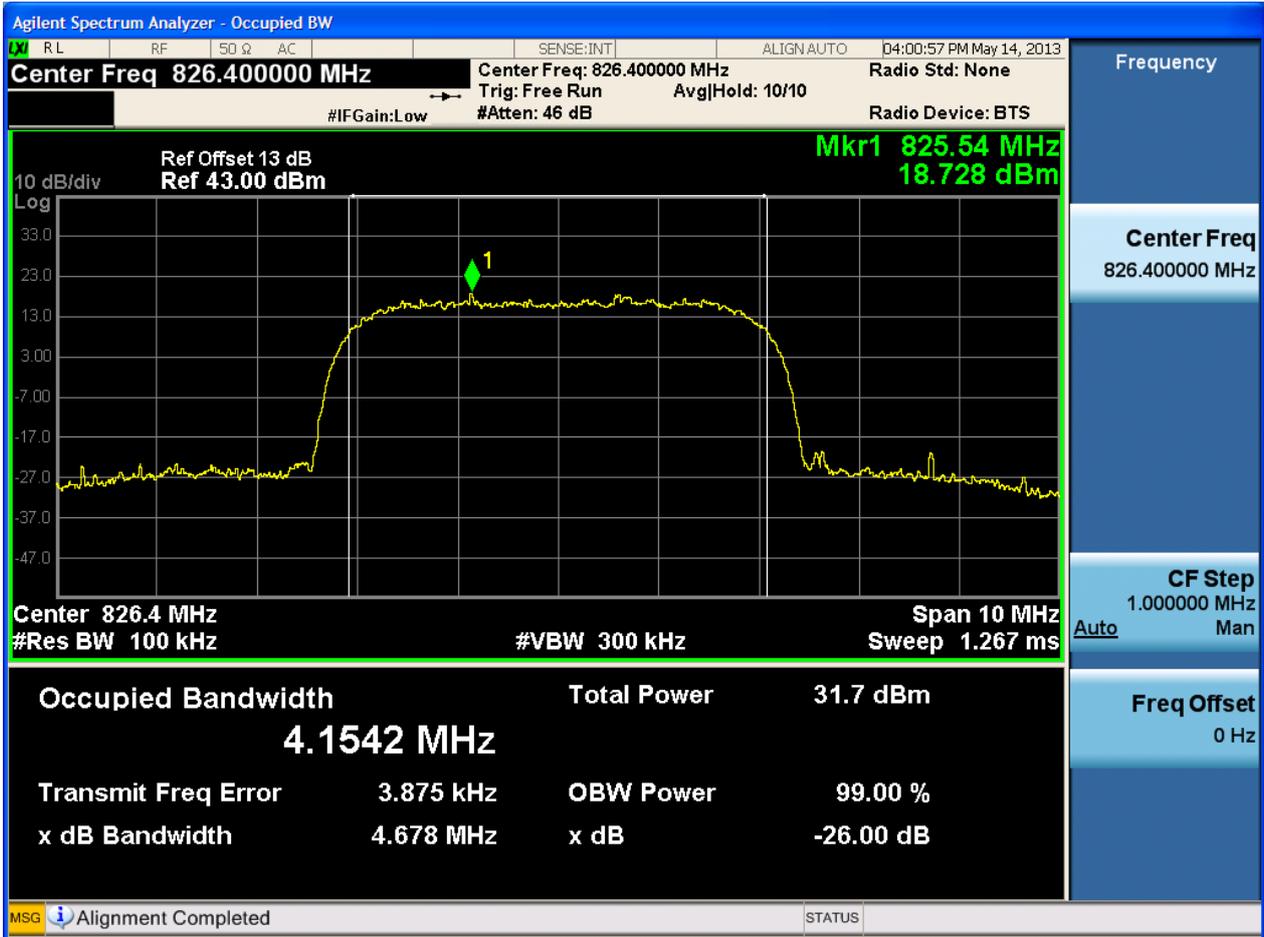


4.2 For UMTS

4.2.1 Test Band = WCDMA850

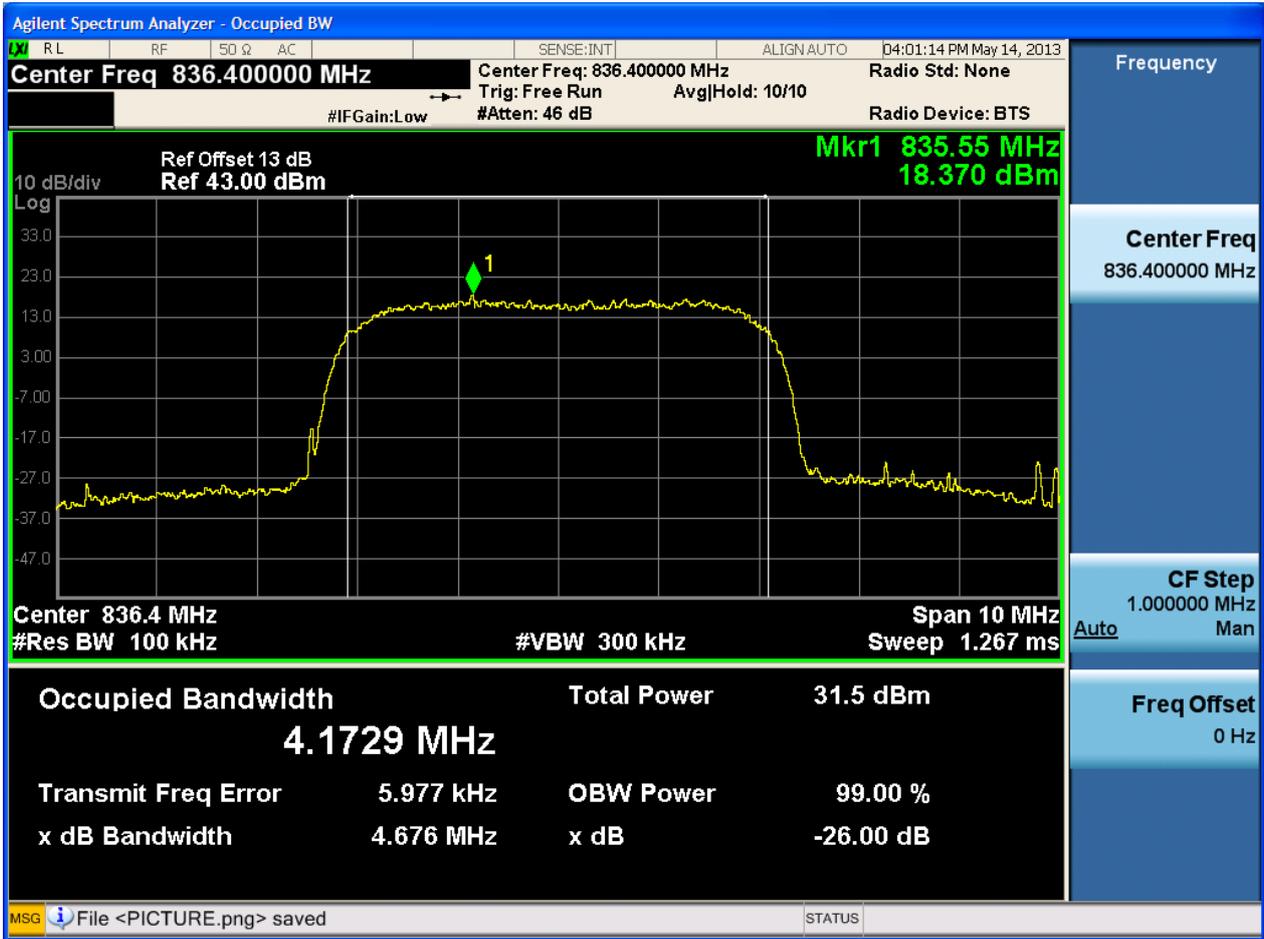
4.2.1.1 Test Mode = UMTS/TM1

4.2.1.1.1 Test Channel = LCH



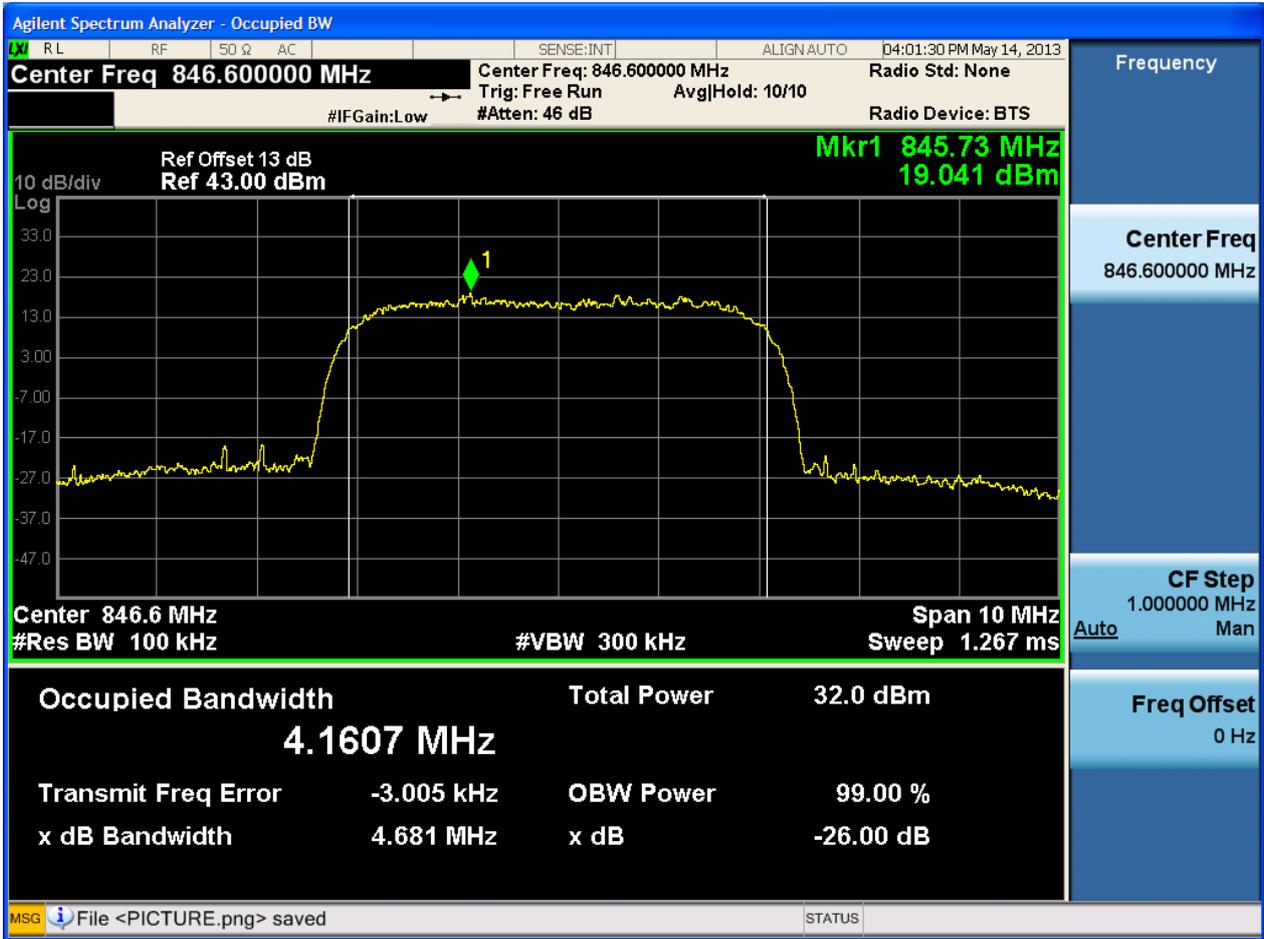


4.2.1.1.2 Test Channel = MCH





4.2.1.1.3 Test Channel = HCH

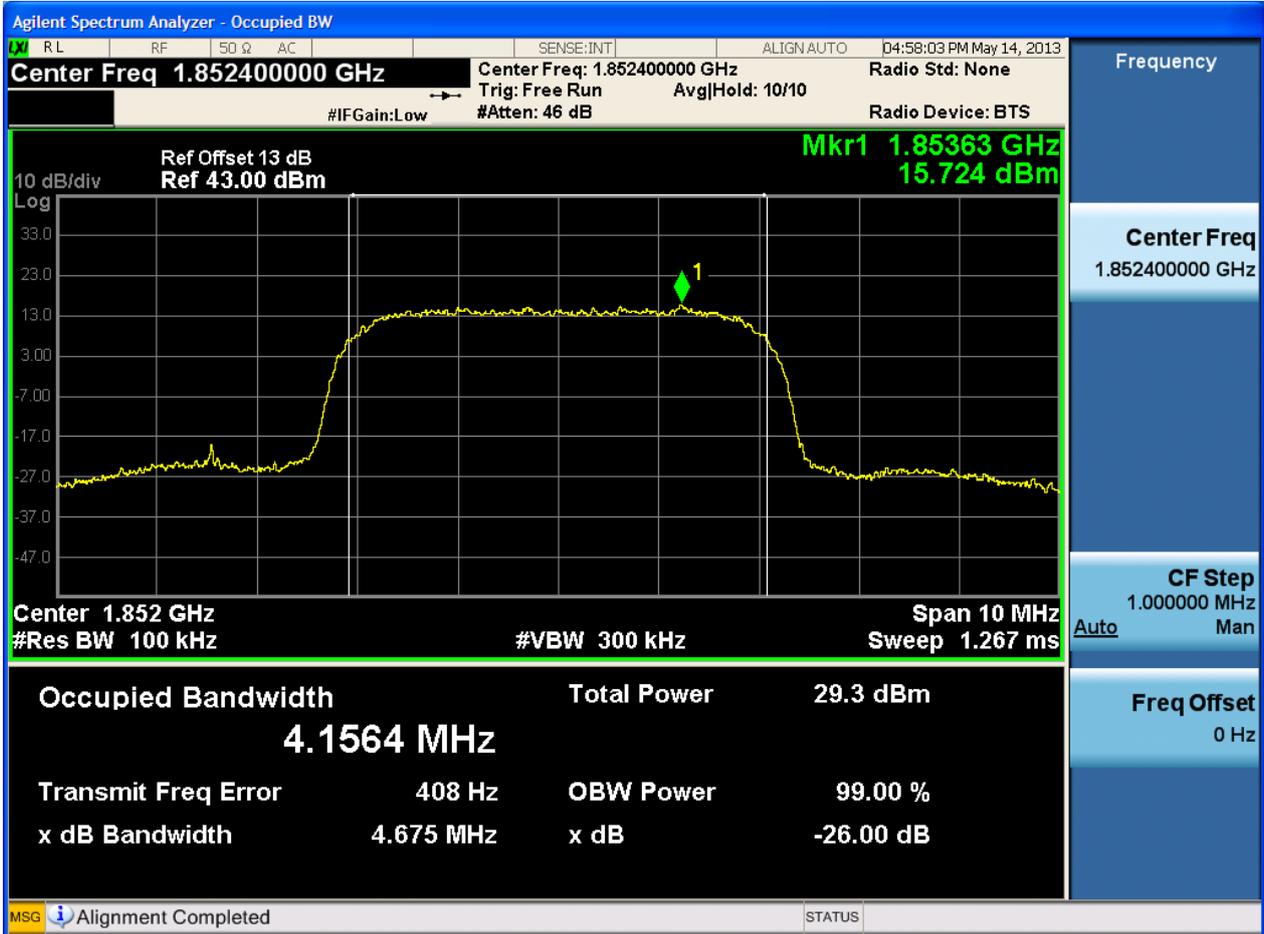




4.2.2 Test Band = WCDMA1900

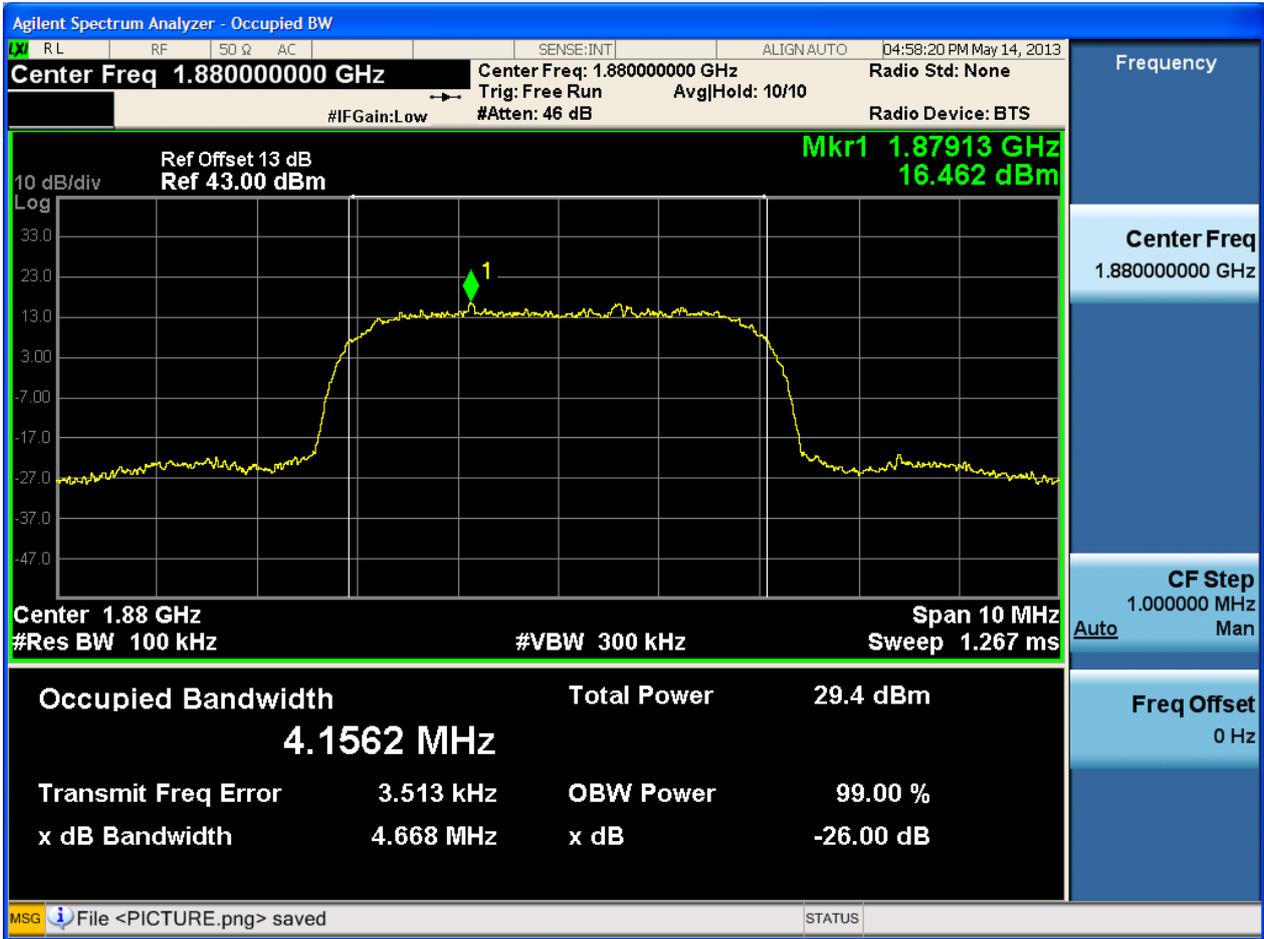
4.2.2.1 Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH



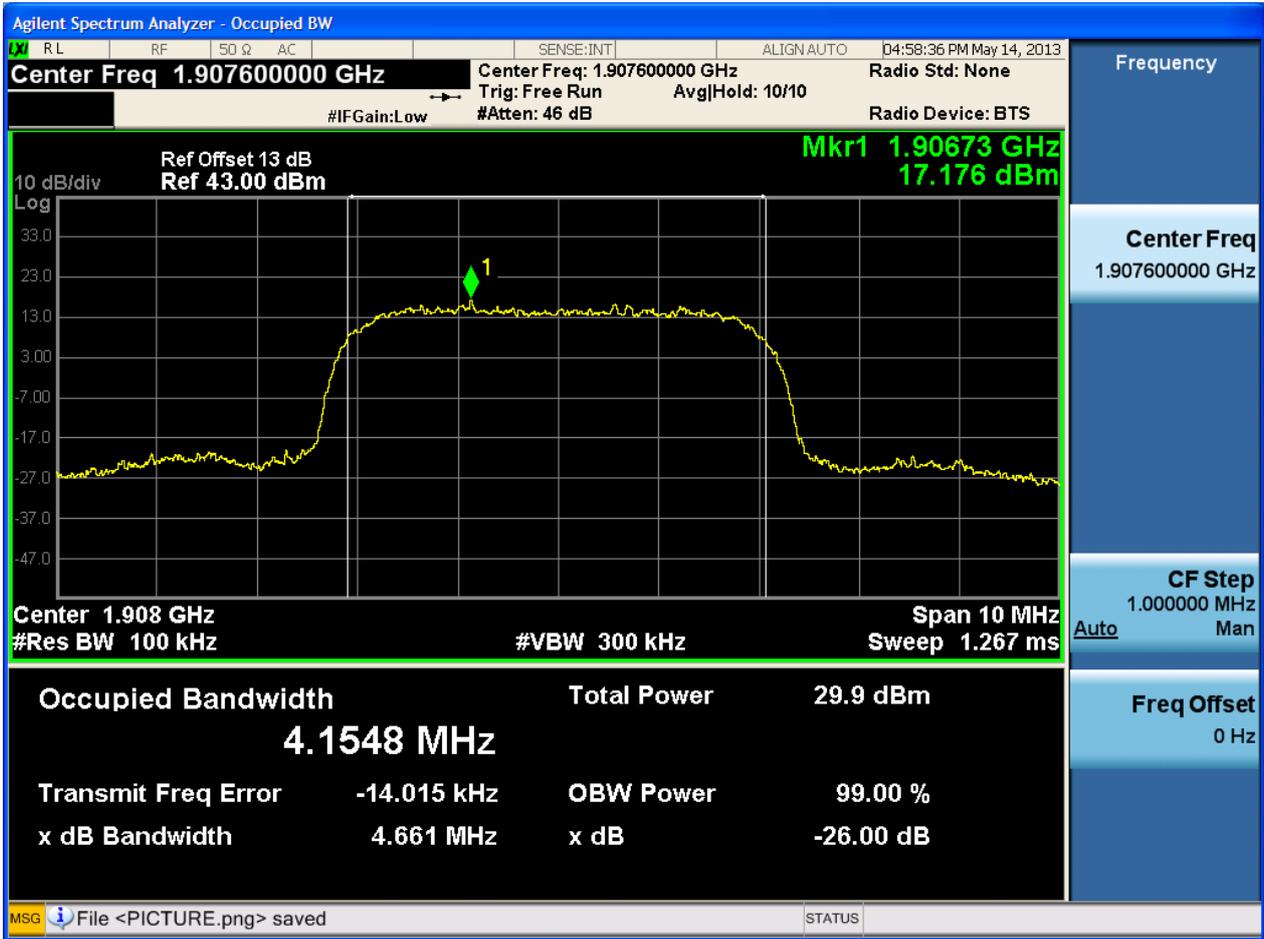


4.2.2.1.2 Test Channel = MCH





4.2.2.1.3 Test Channel = HCH





5Appendix_E: Band Edges Compliance

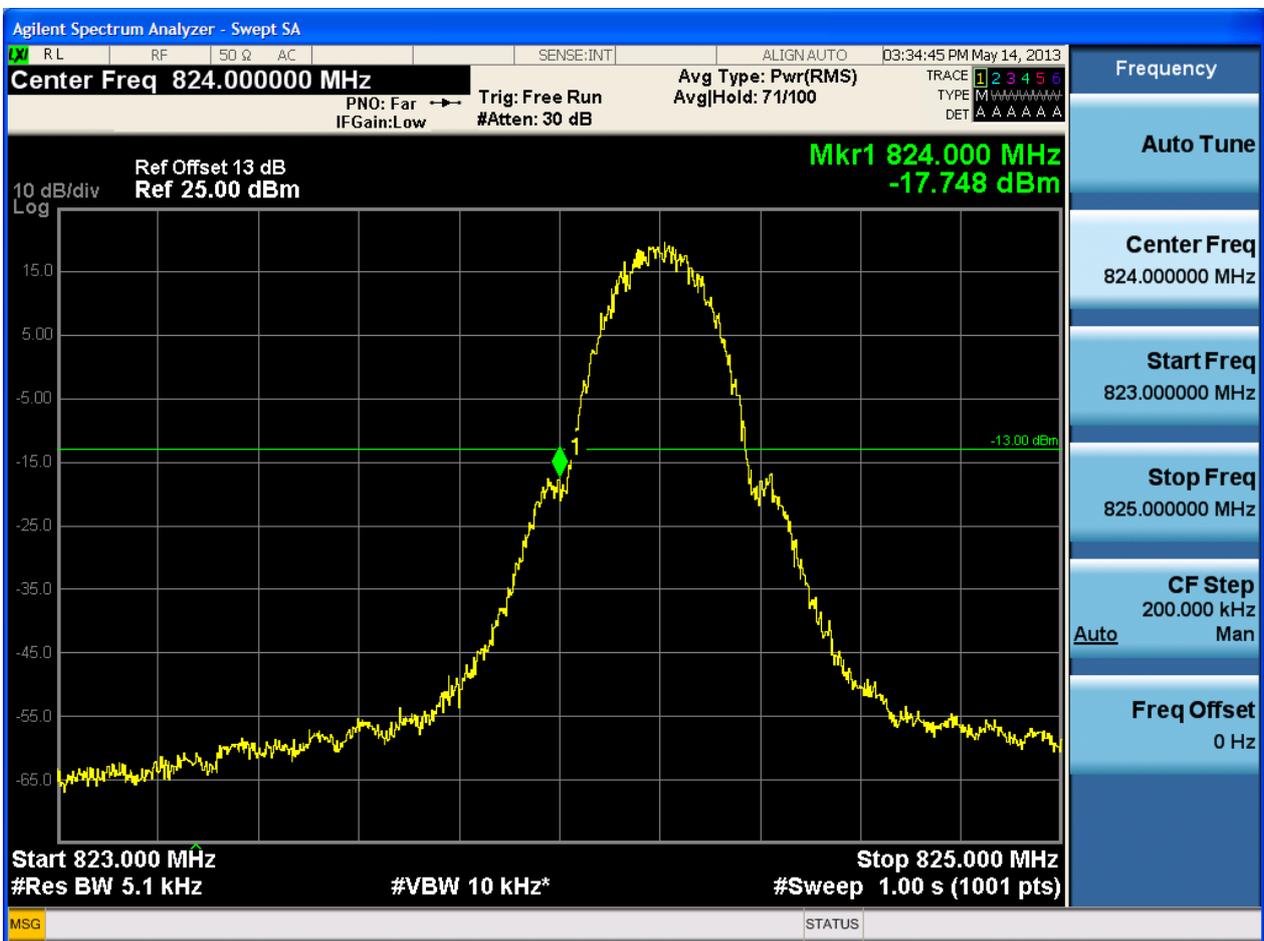
Part I - Test Plots

5.1 For GSM

5.1.1 Test Band = GSM850

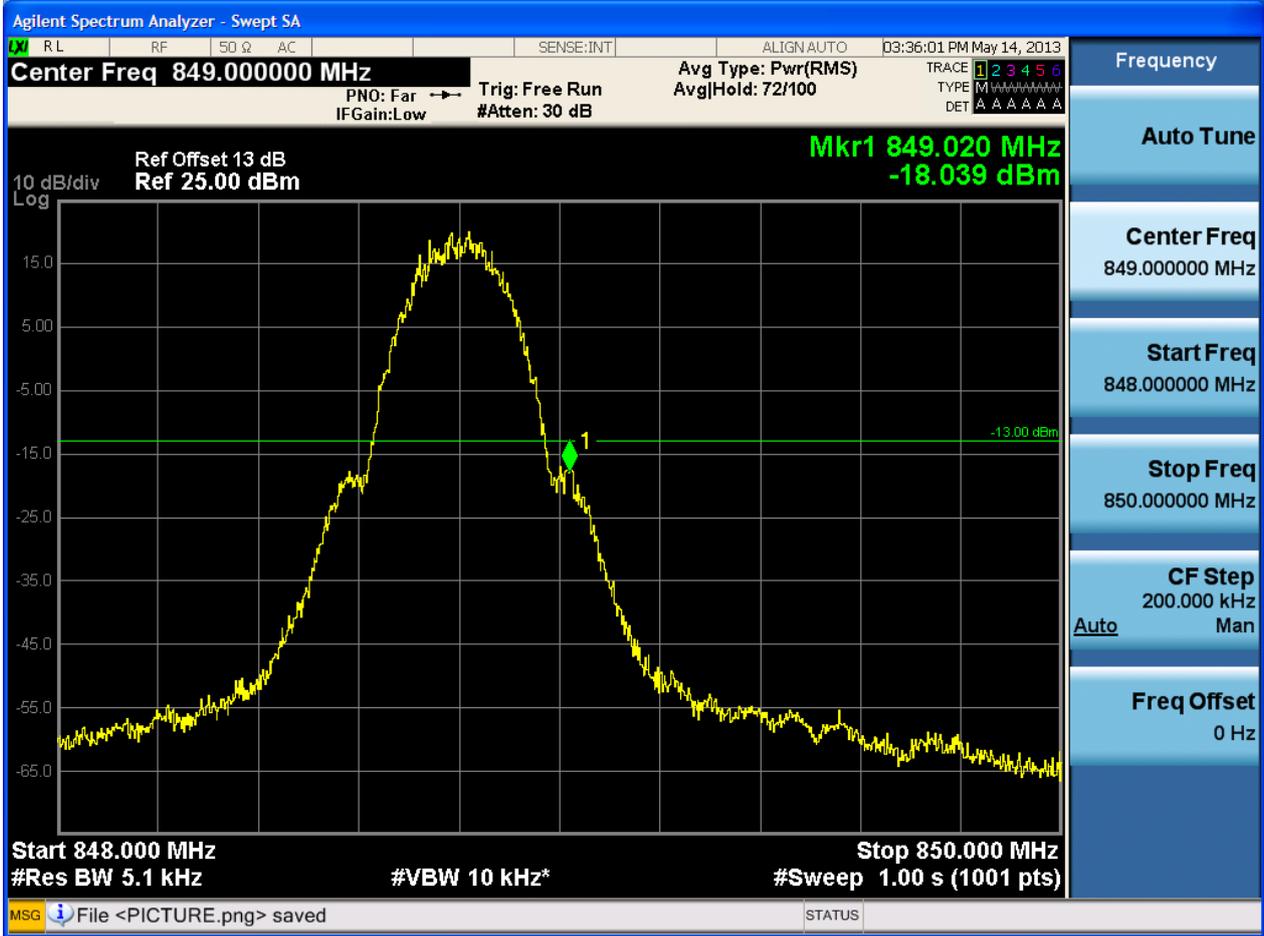
5.1.1.1 Test Mode = GSM/TM1

5.1.1.1.1 Test Channel = LCH





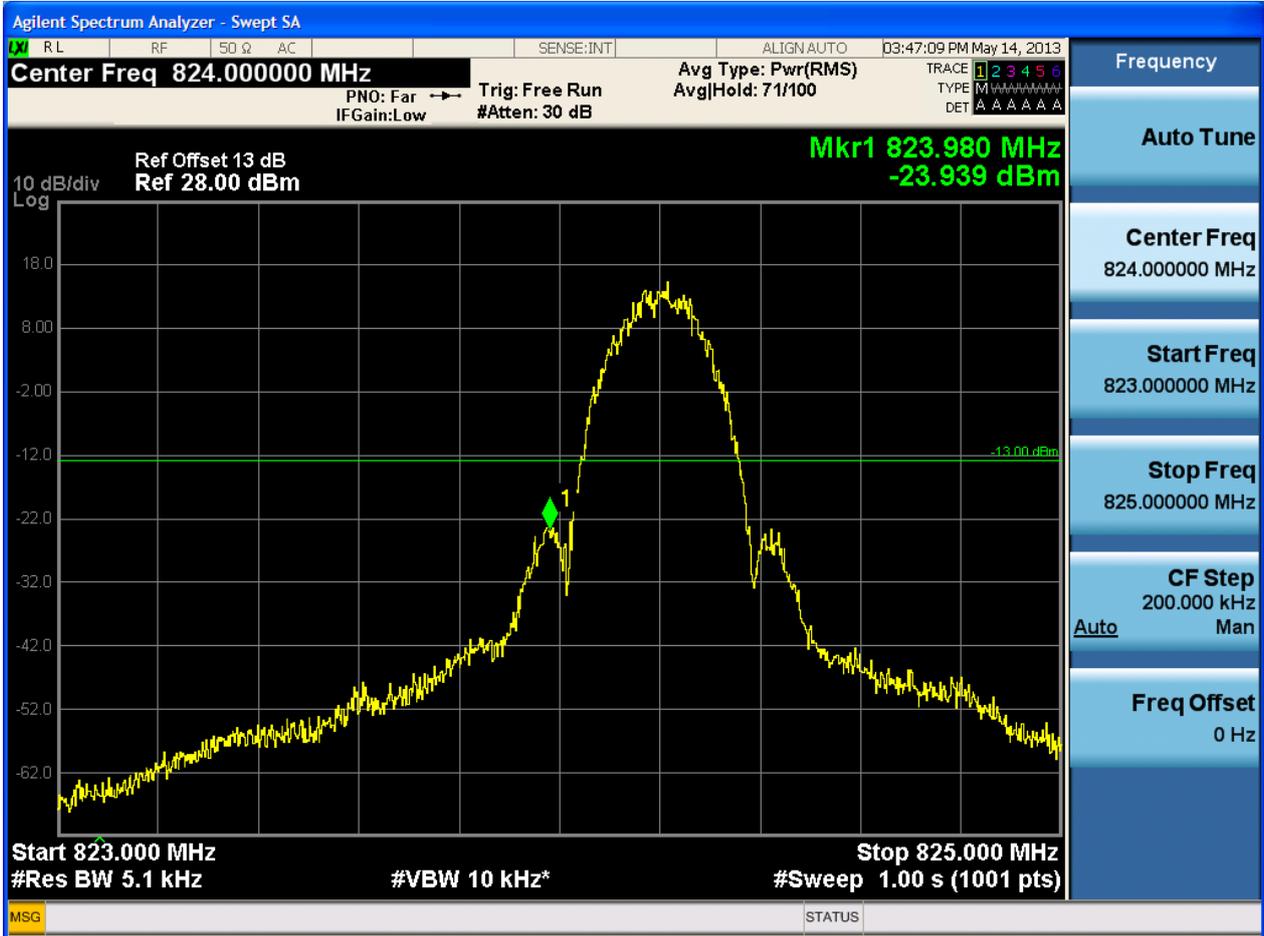
5.1.1.1.2 Test Channel = HCH





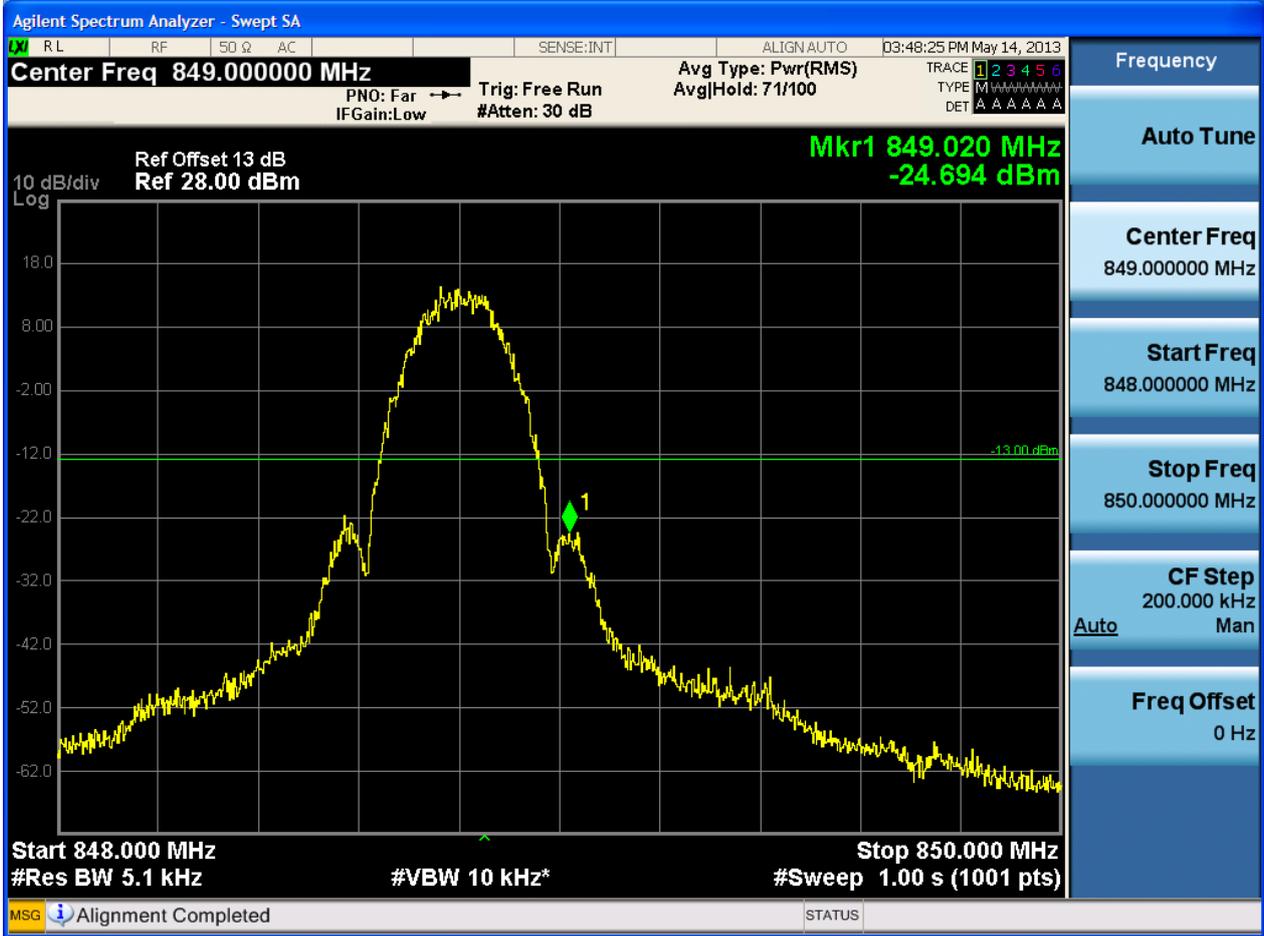
5.1.1.2 Test Mode = GSM/TM2

5.1.1.2.1 Test Channel = LCH





5.1.1.2.2 Test Channel = HCH

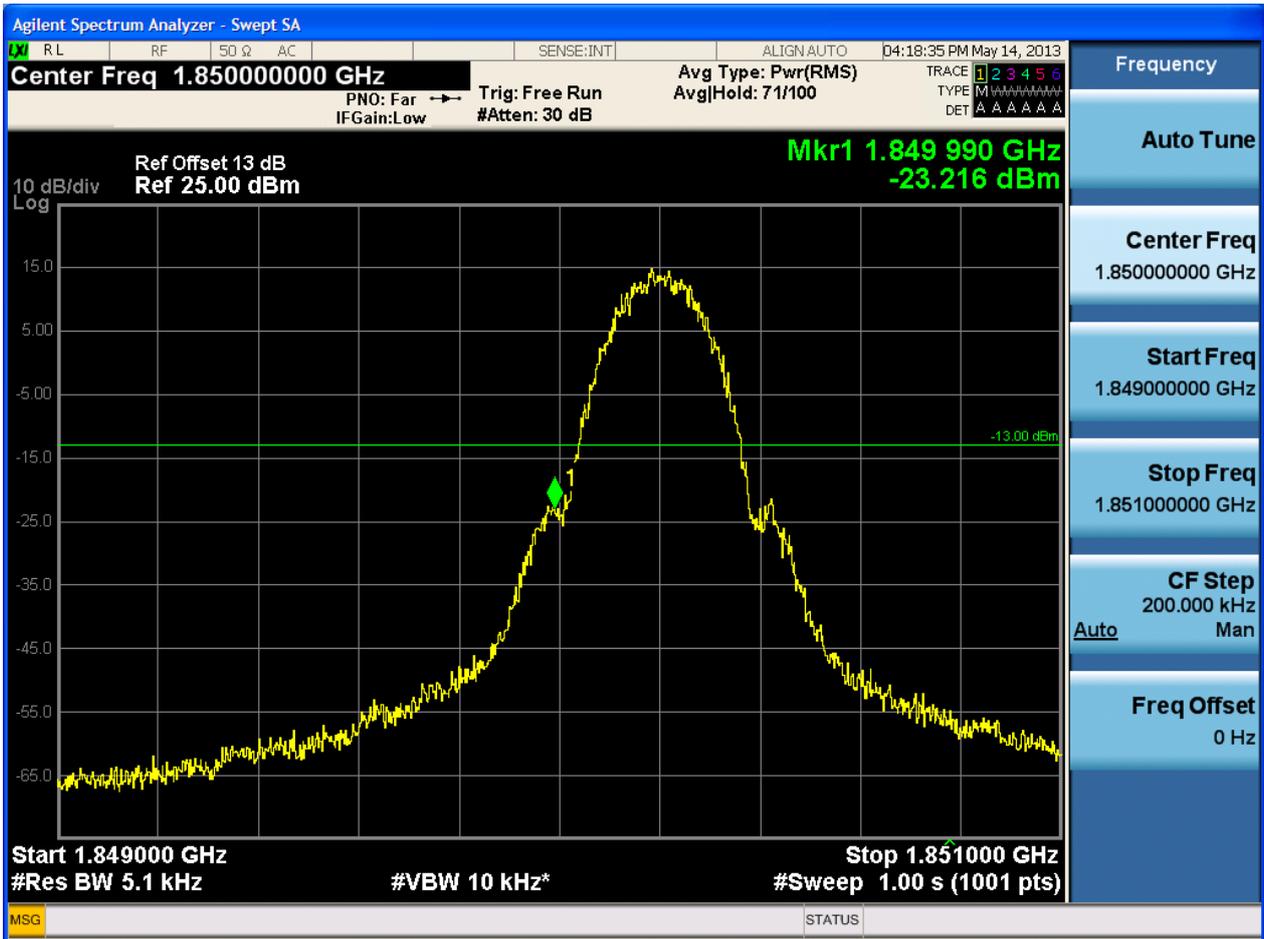




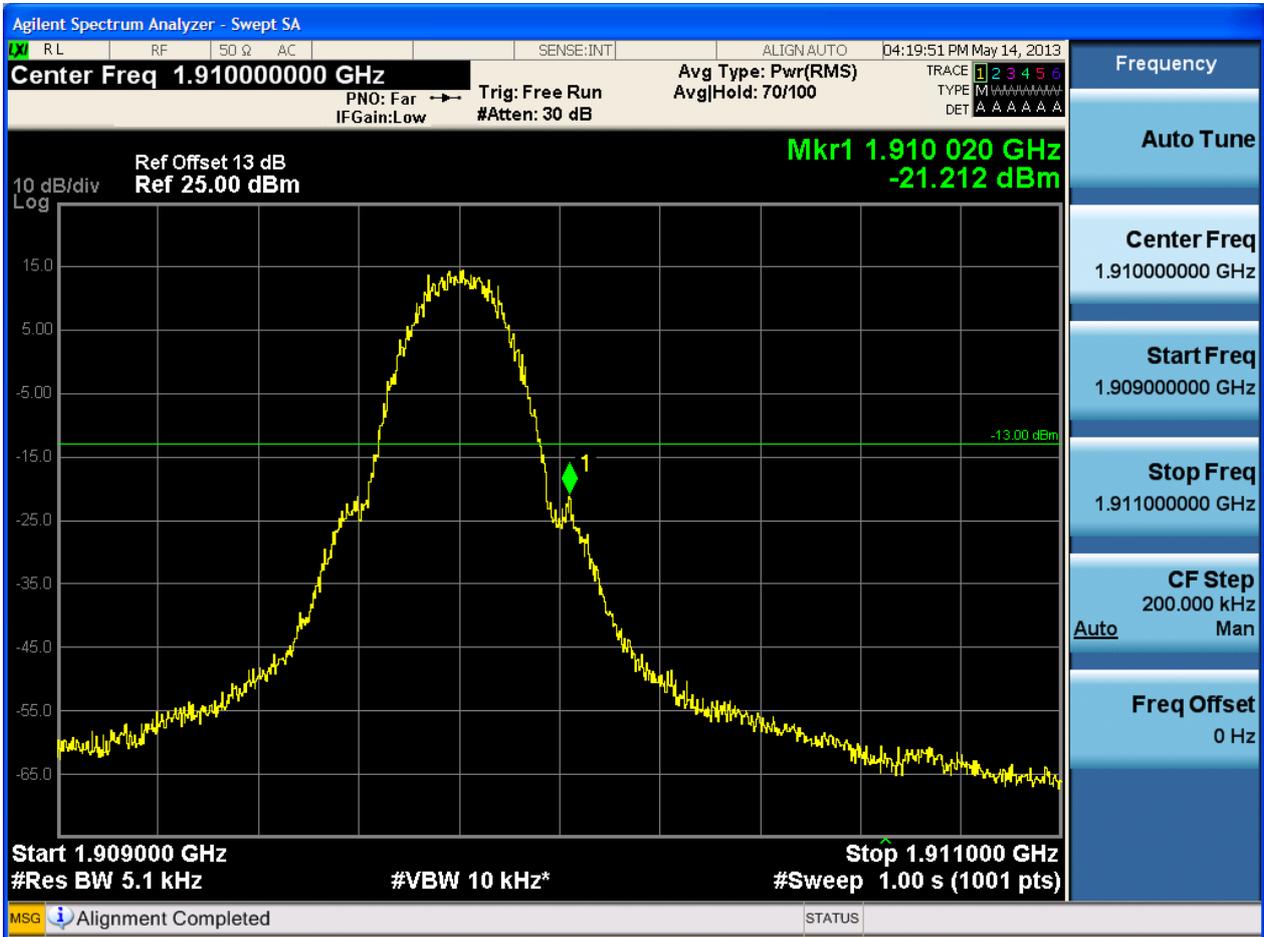
5.1.2 Test Band = GSM1900

5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH



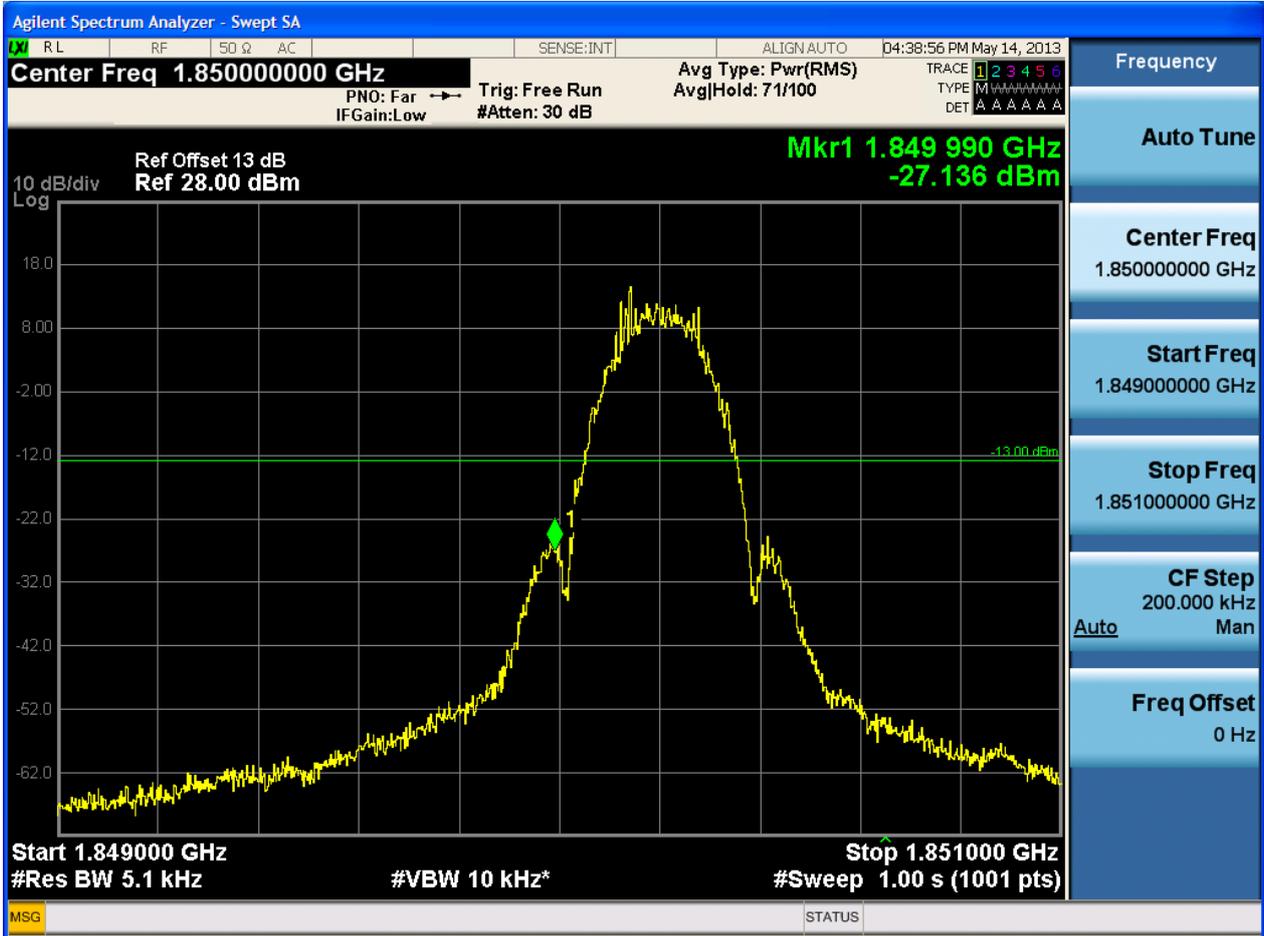
5.1.2.1.2 Test Channel = HCH





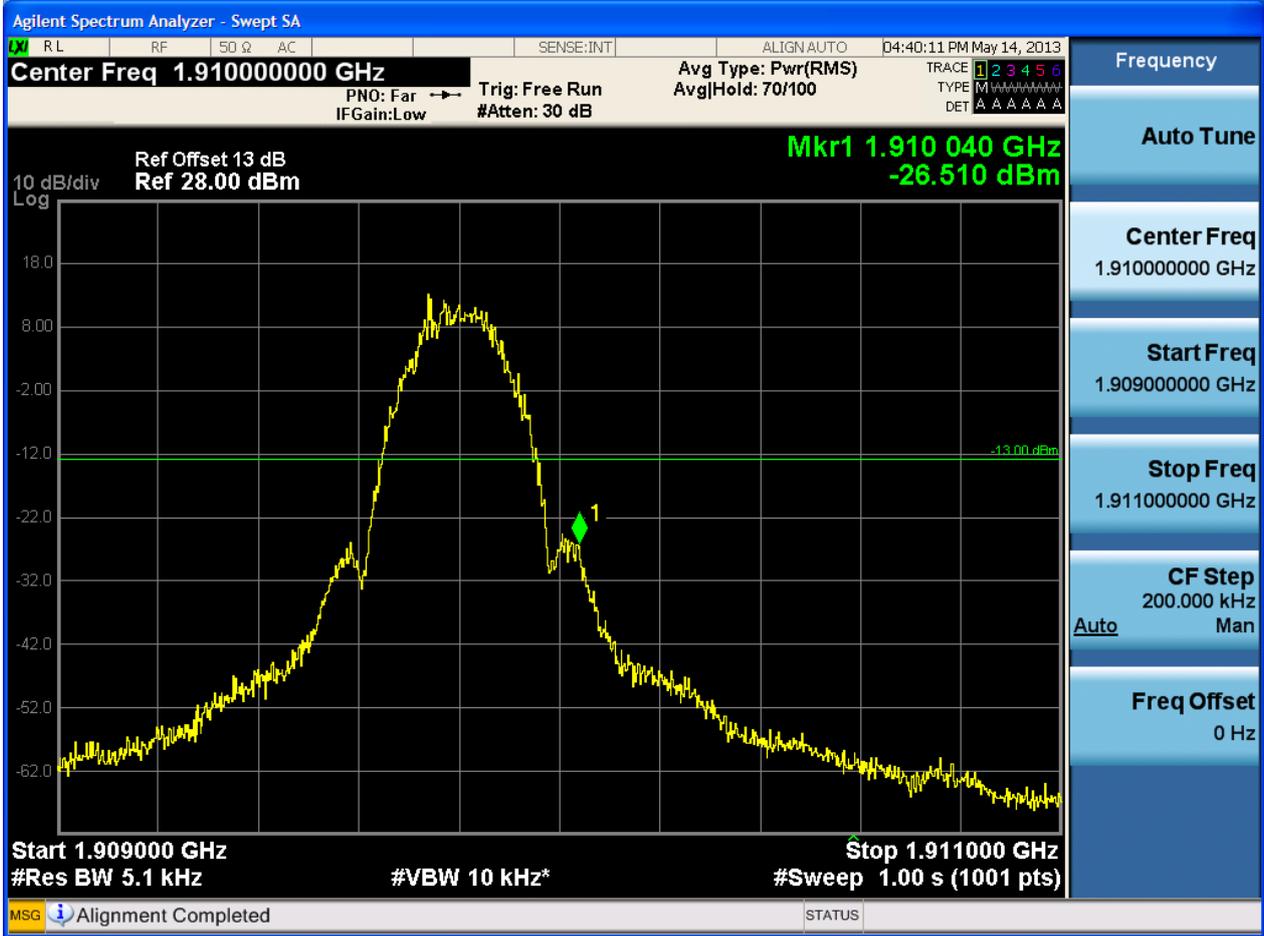
5.1.2.2 Test Mode = GSM/TM2

5.1.2.2.1 Test Channel = LCH





5.1.2.2.2 Test Channel = HCH



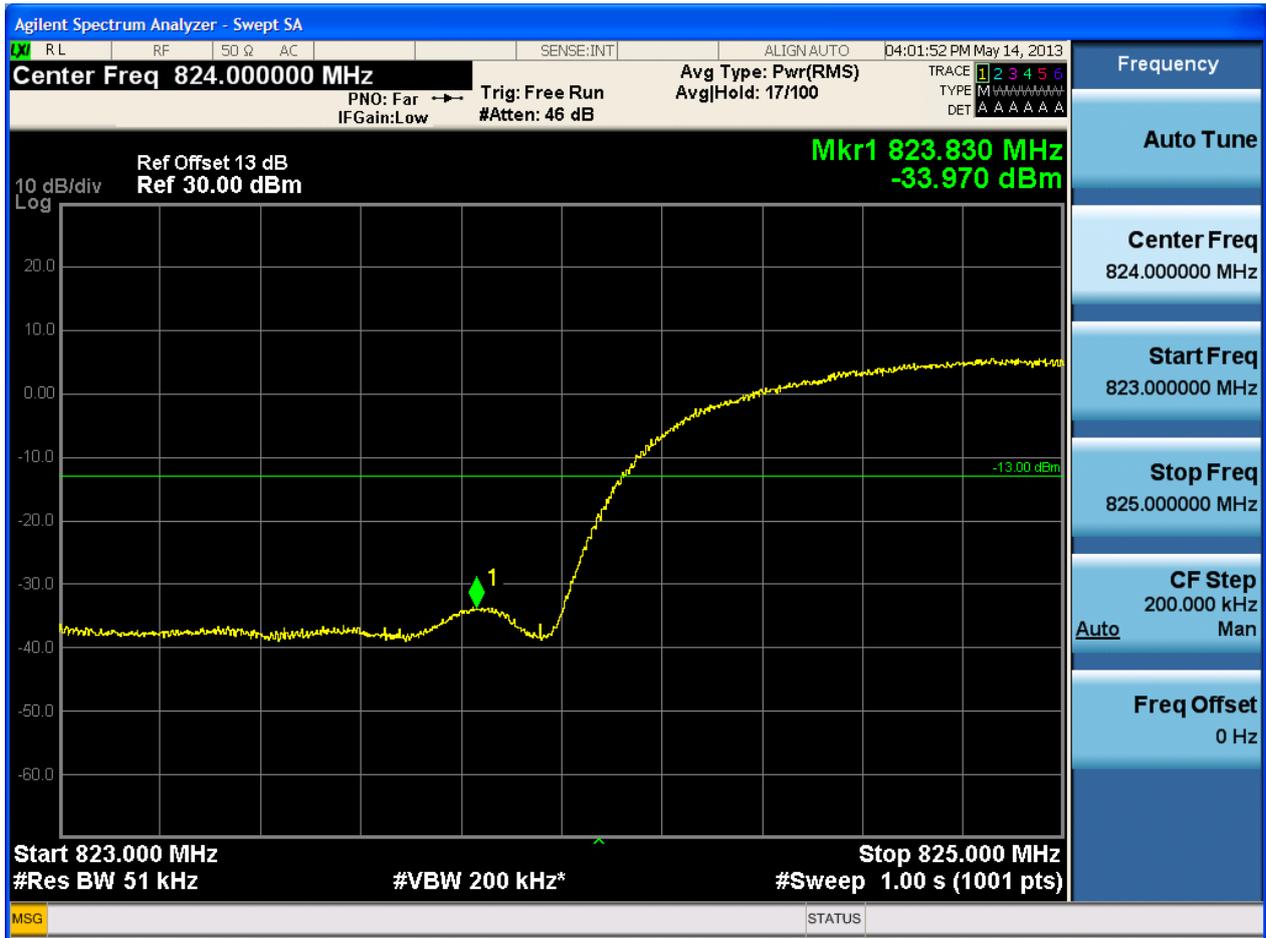


5.2 For UMTS

5.2.1 Test Band = WCDMA850

5.2.1.1 Test Mode = UMTS/TM1

5.2.1.1.1 Test Channel = LCH



5.2.1.1.2 Test Channel = HCH





5.2.2 Test Band = WCDMA1900

5.2.2.1 Test Mode = UMTS/TM1

5.2.2.1.1 Test Channel = LCH



5.2.2.1.2 Test Channel = HCH





6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

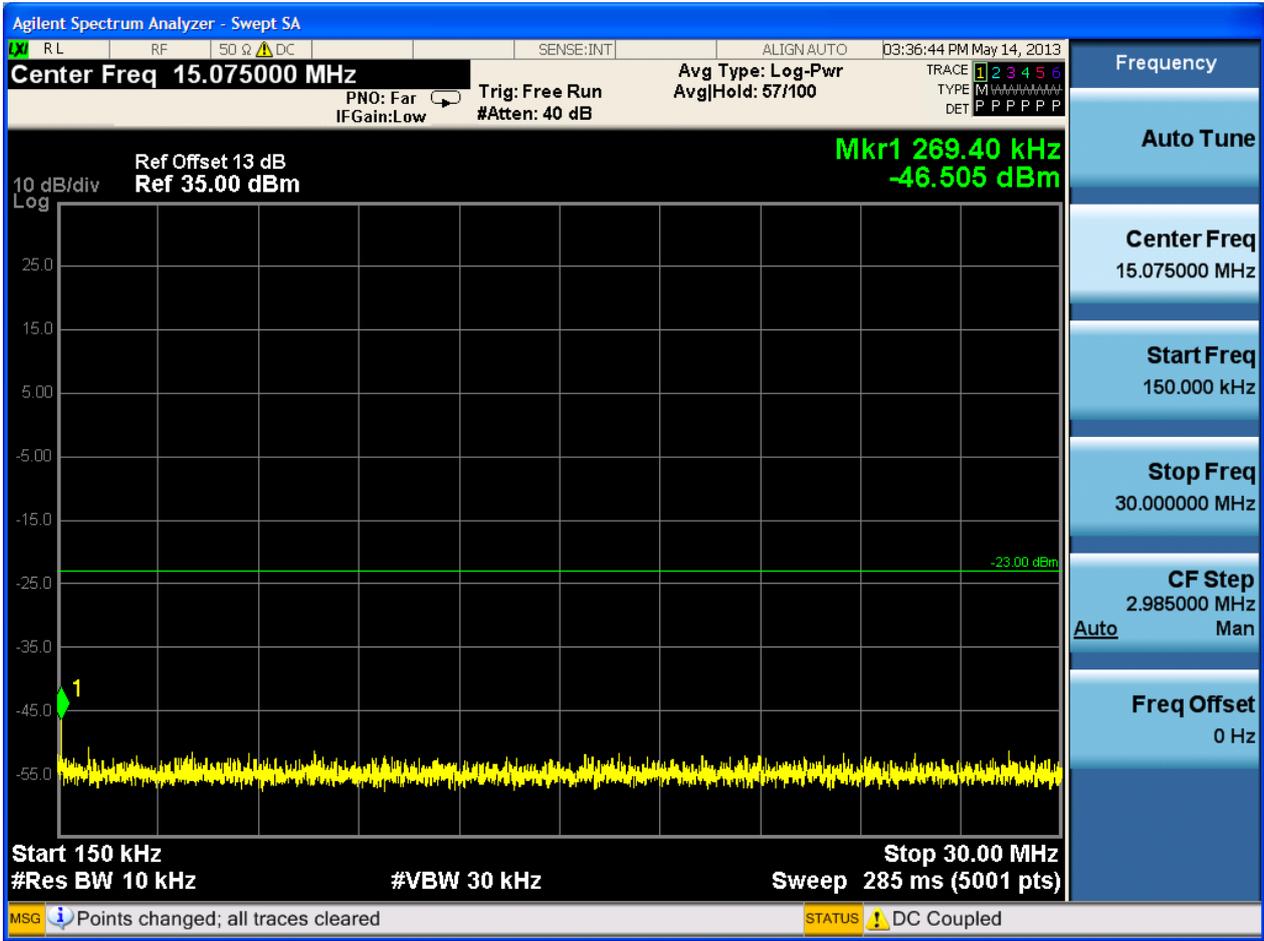
Part I - Test Plots

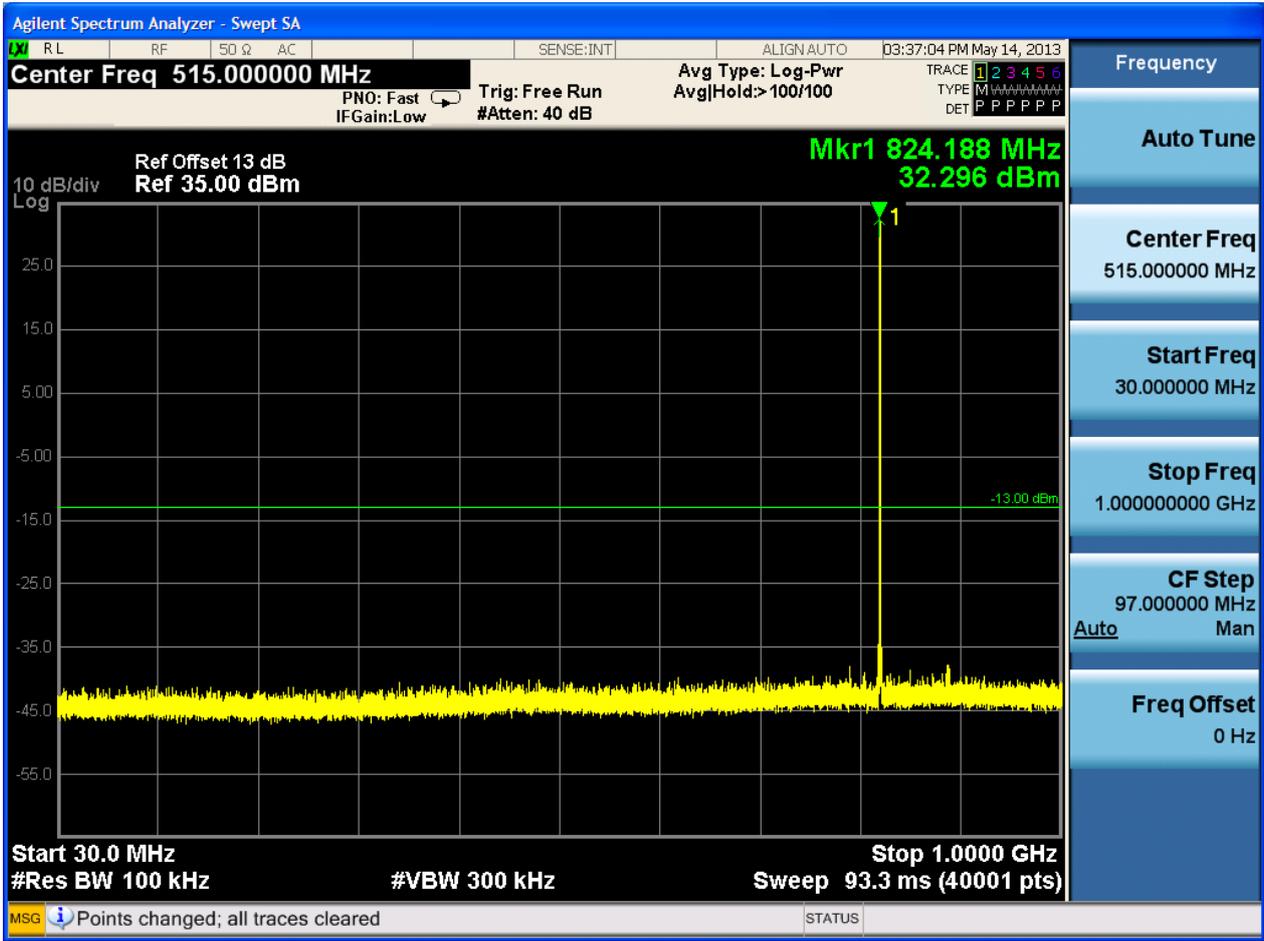
6.1 For GSM

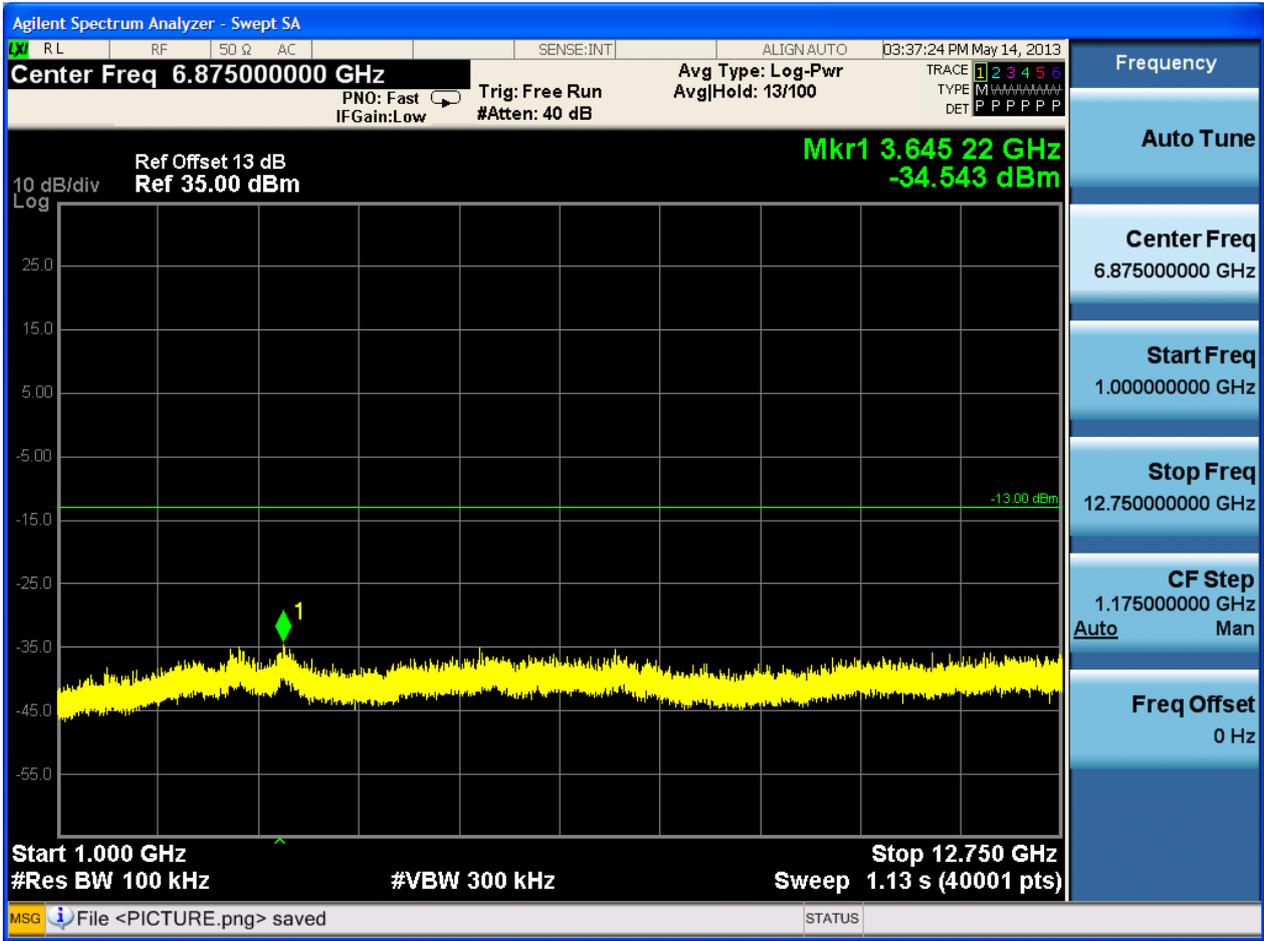
6.1.1 Test Band = GSM850

6.1.1.1 Test Mode = GSM/TM1

6.1.1.1.1 Test Channel = LCH

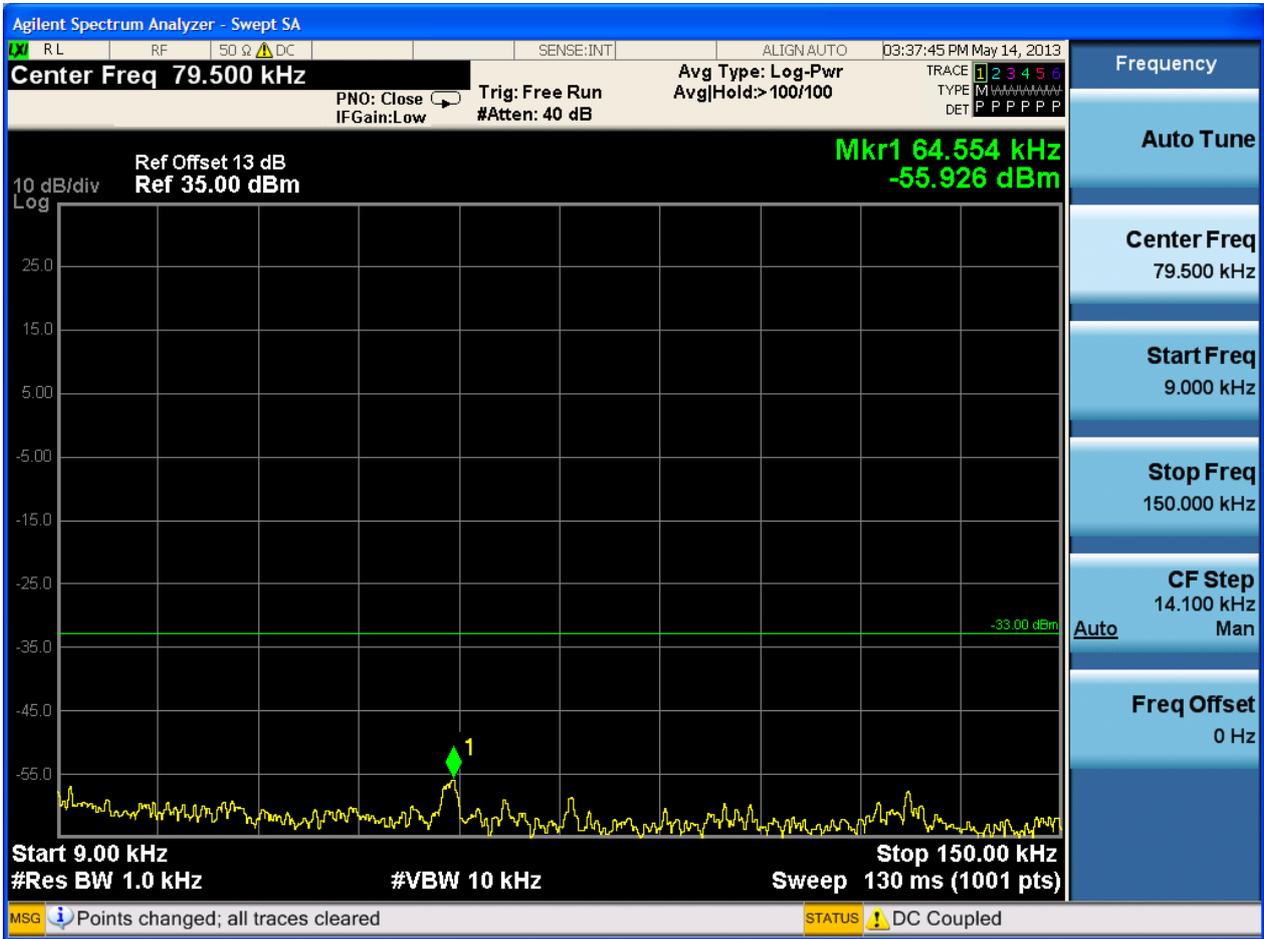


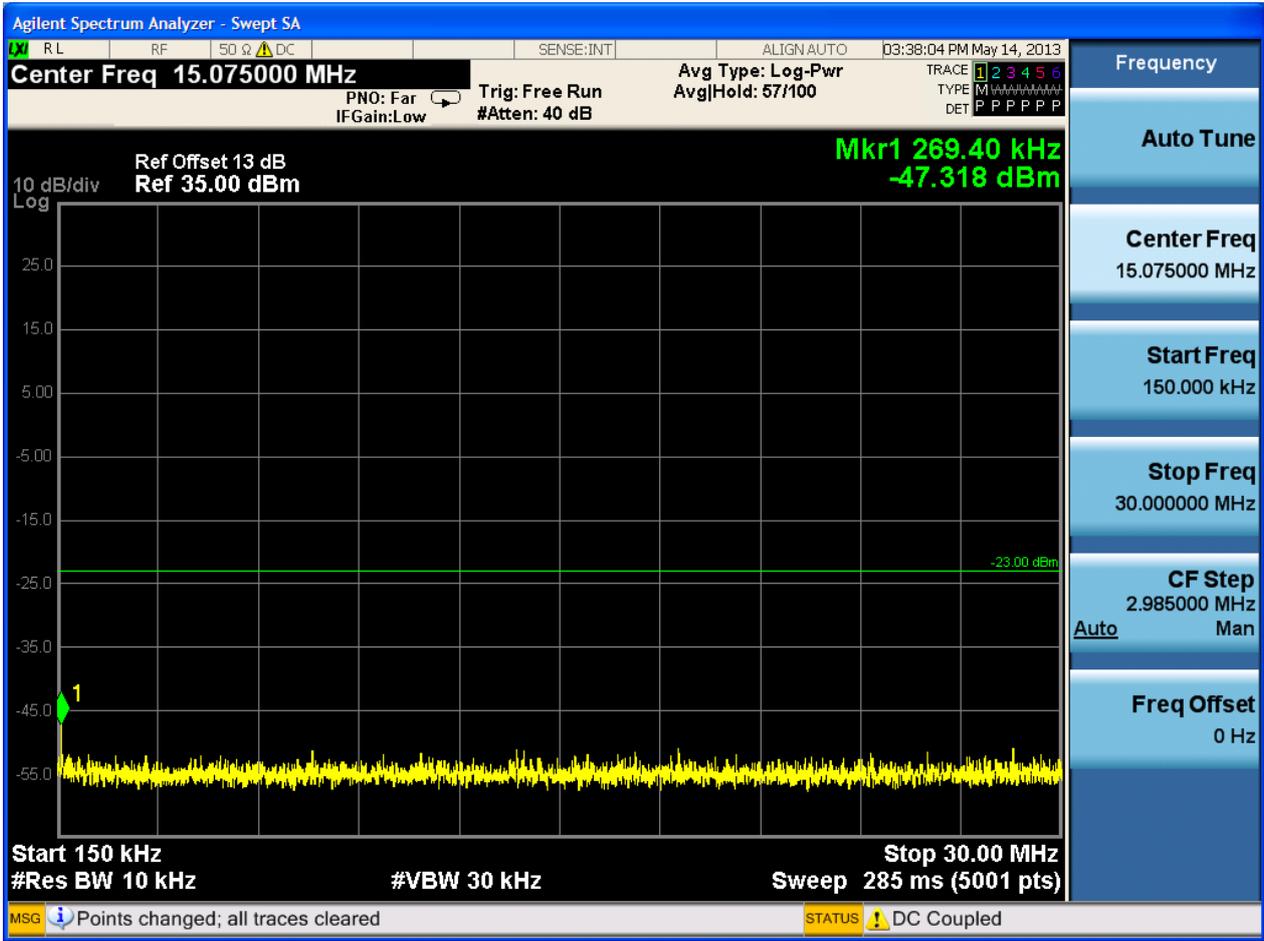


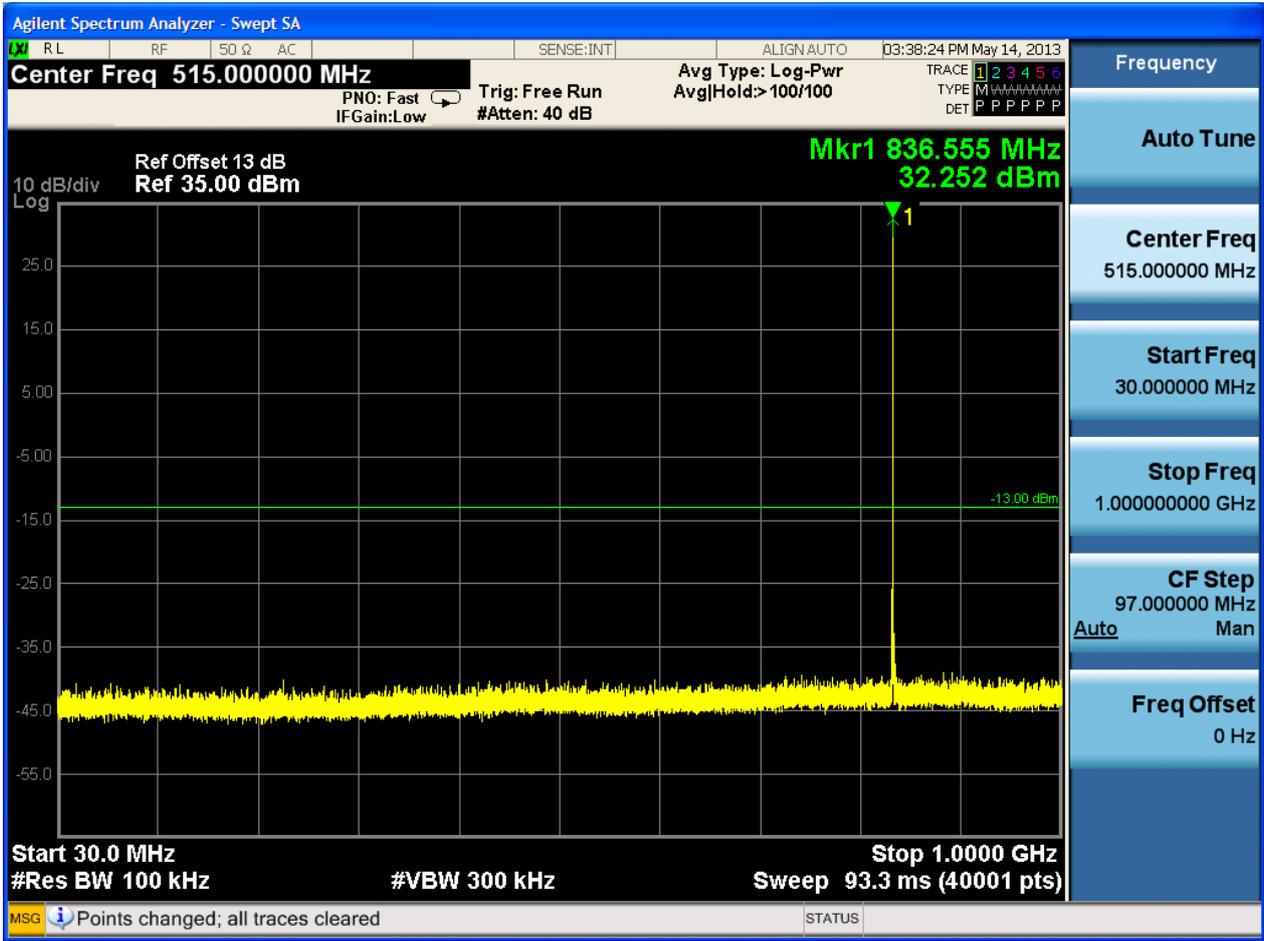


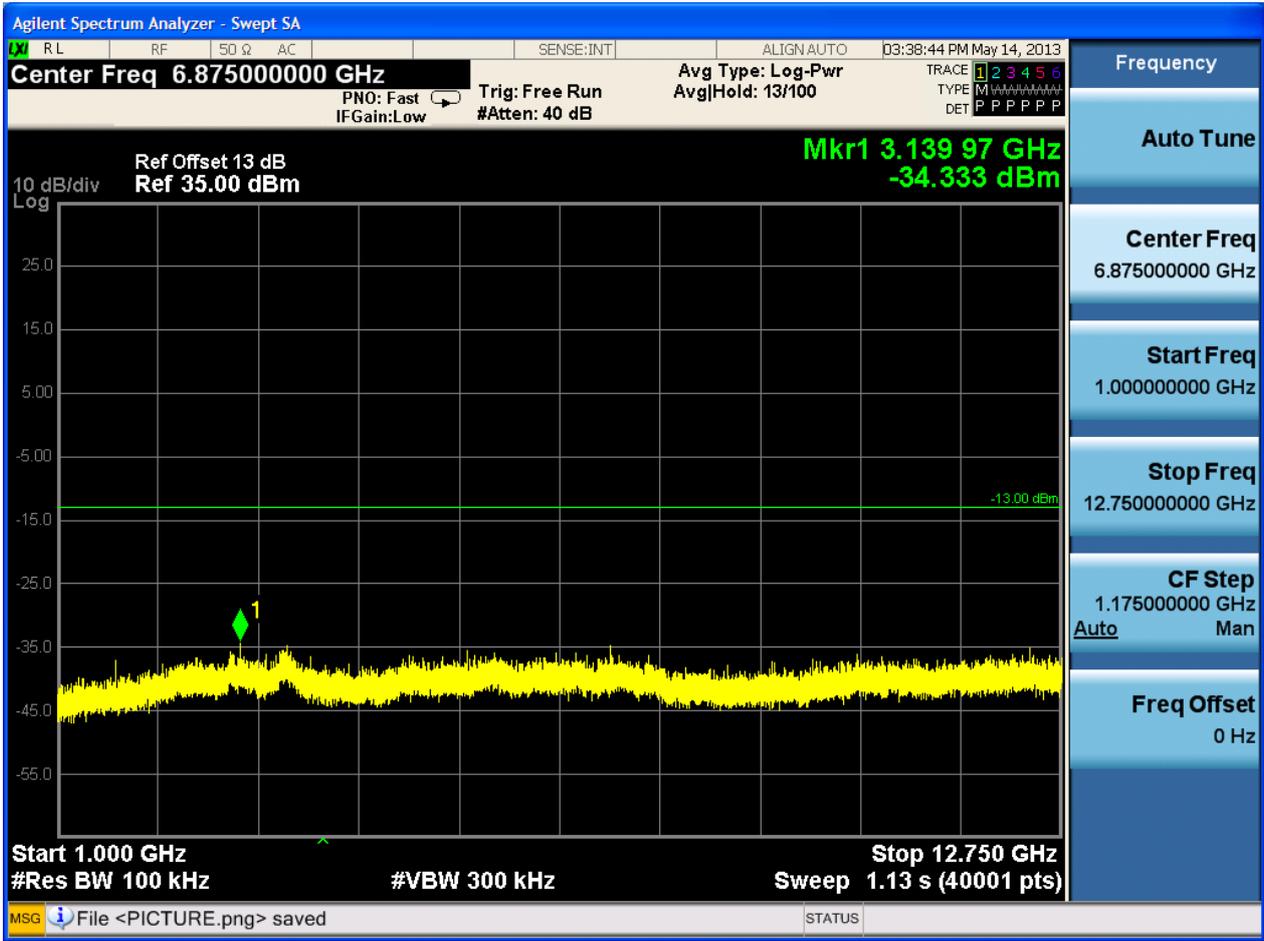


6.1.1.1.2 Test Channel = MCH



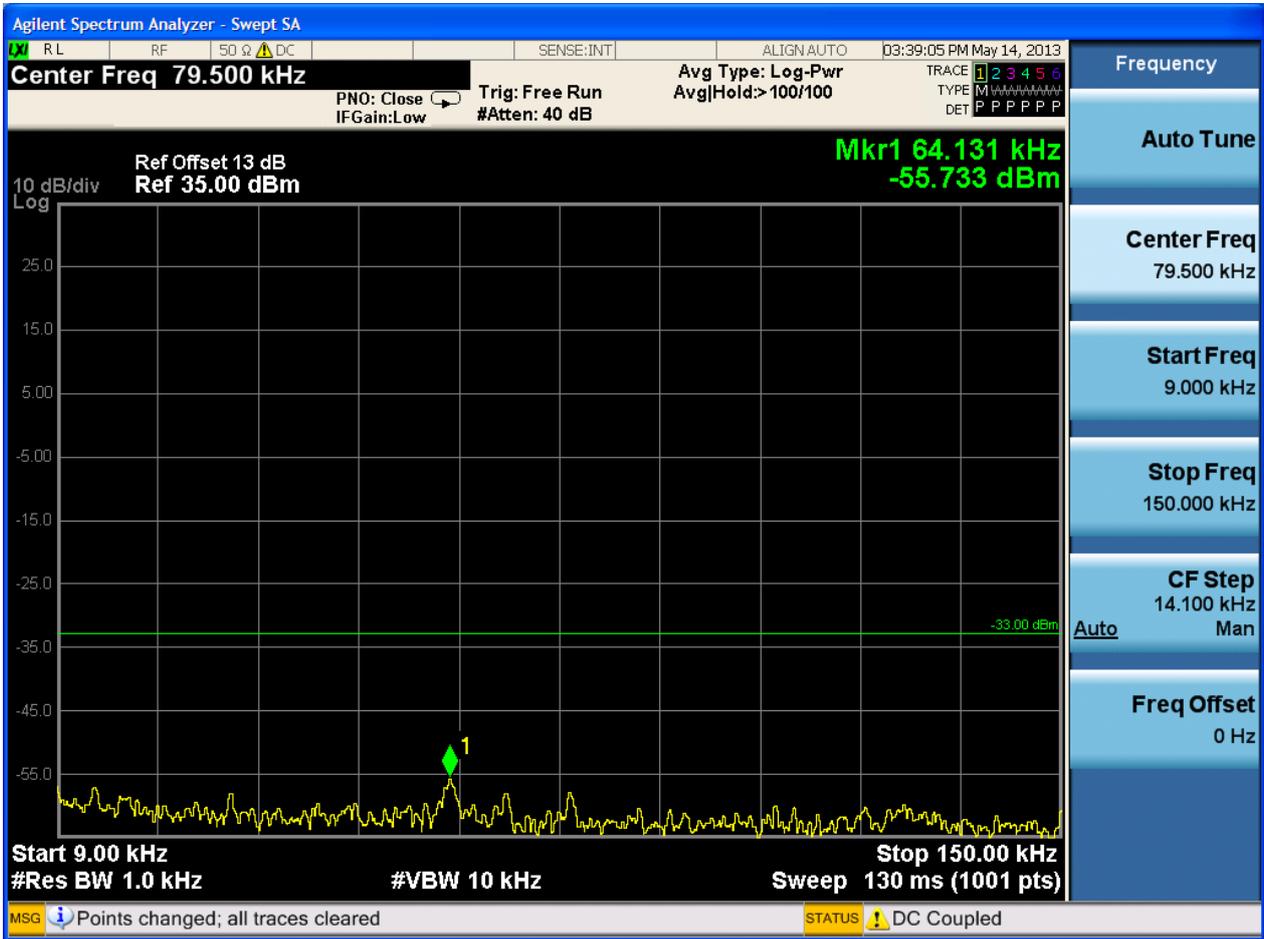


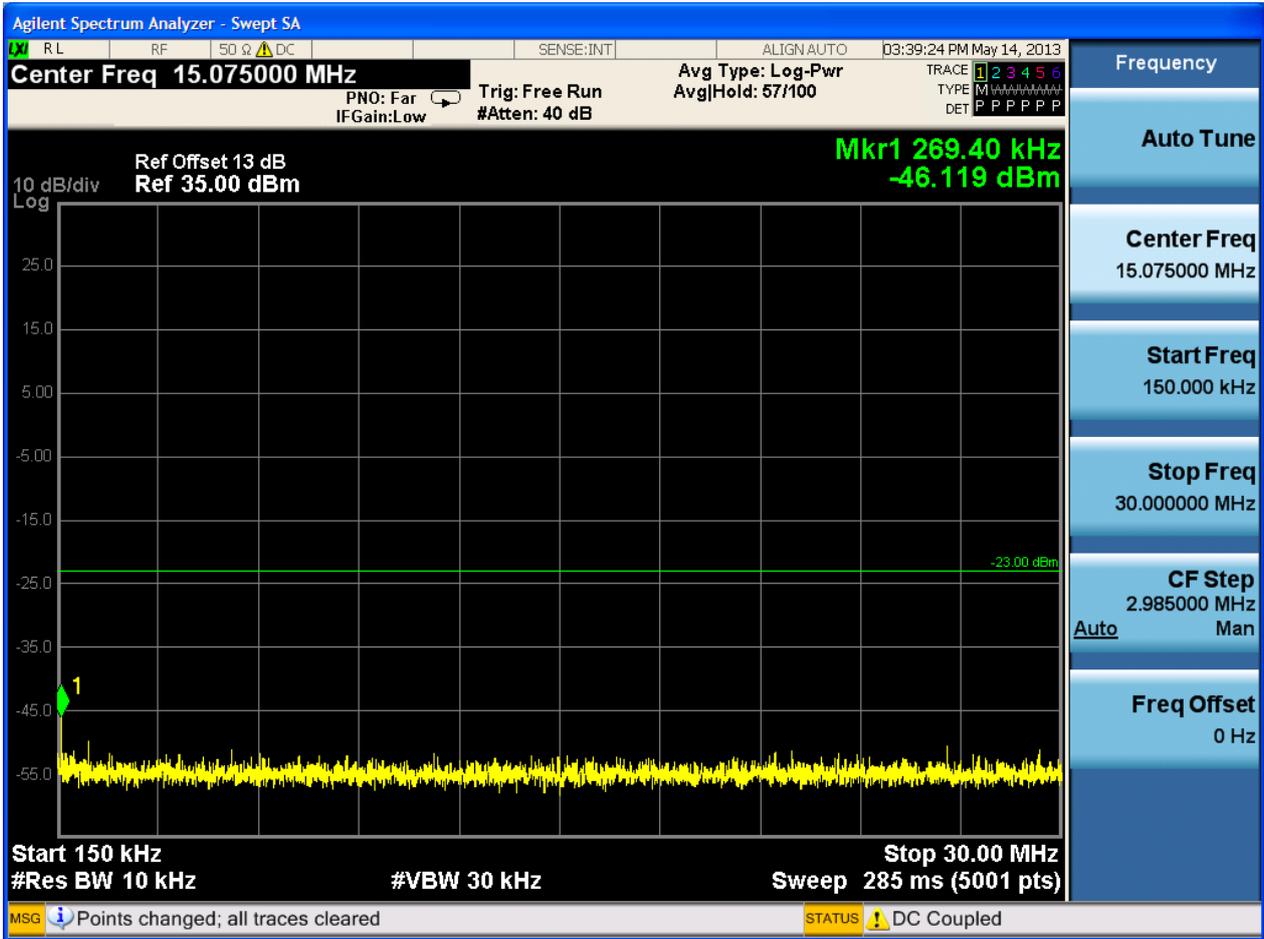


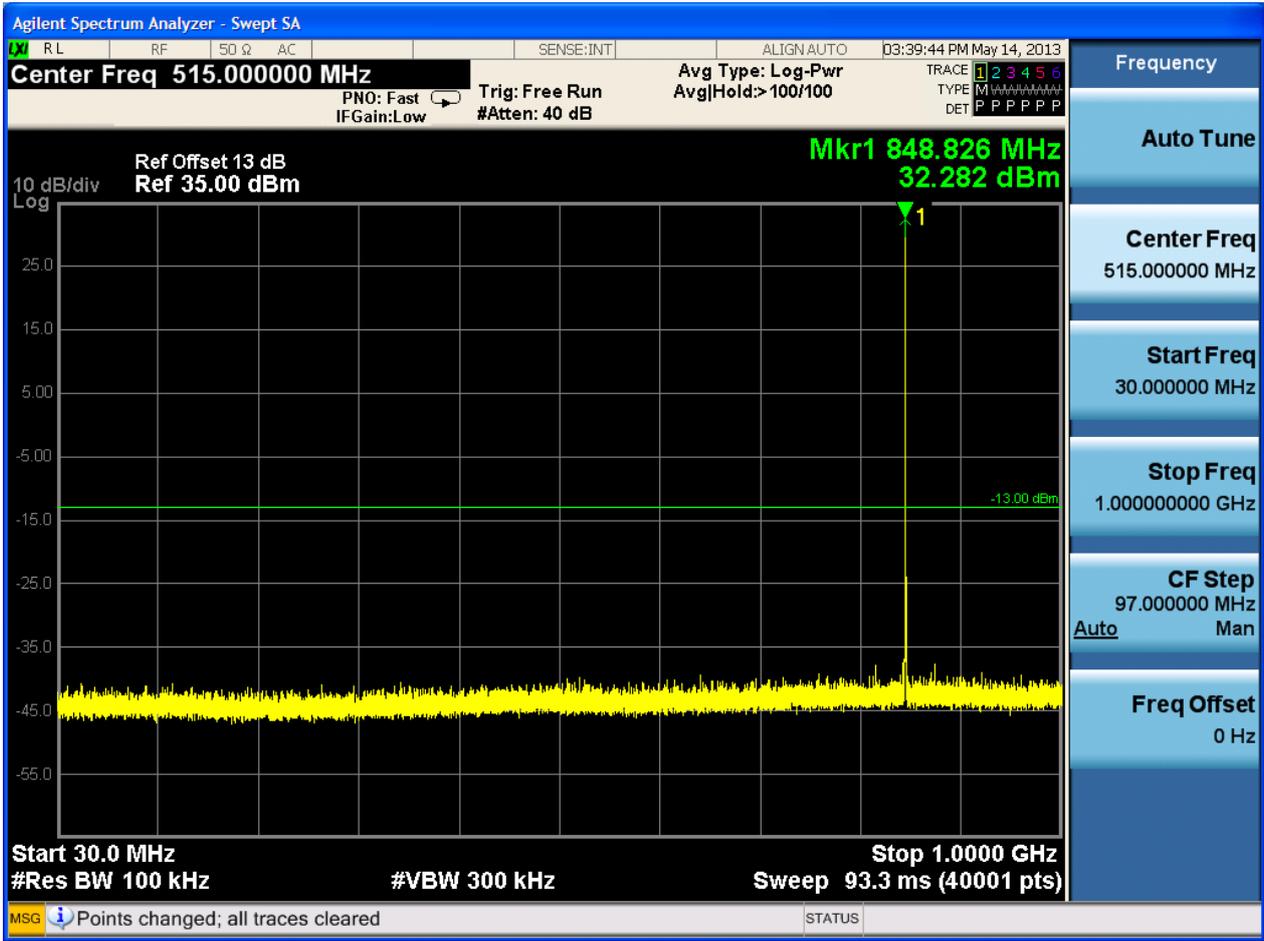




6.1.1.1.3 Test Channel = HCH





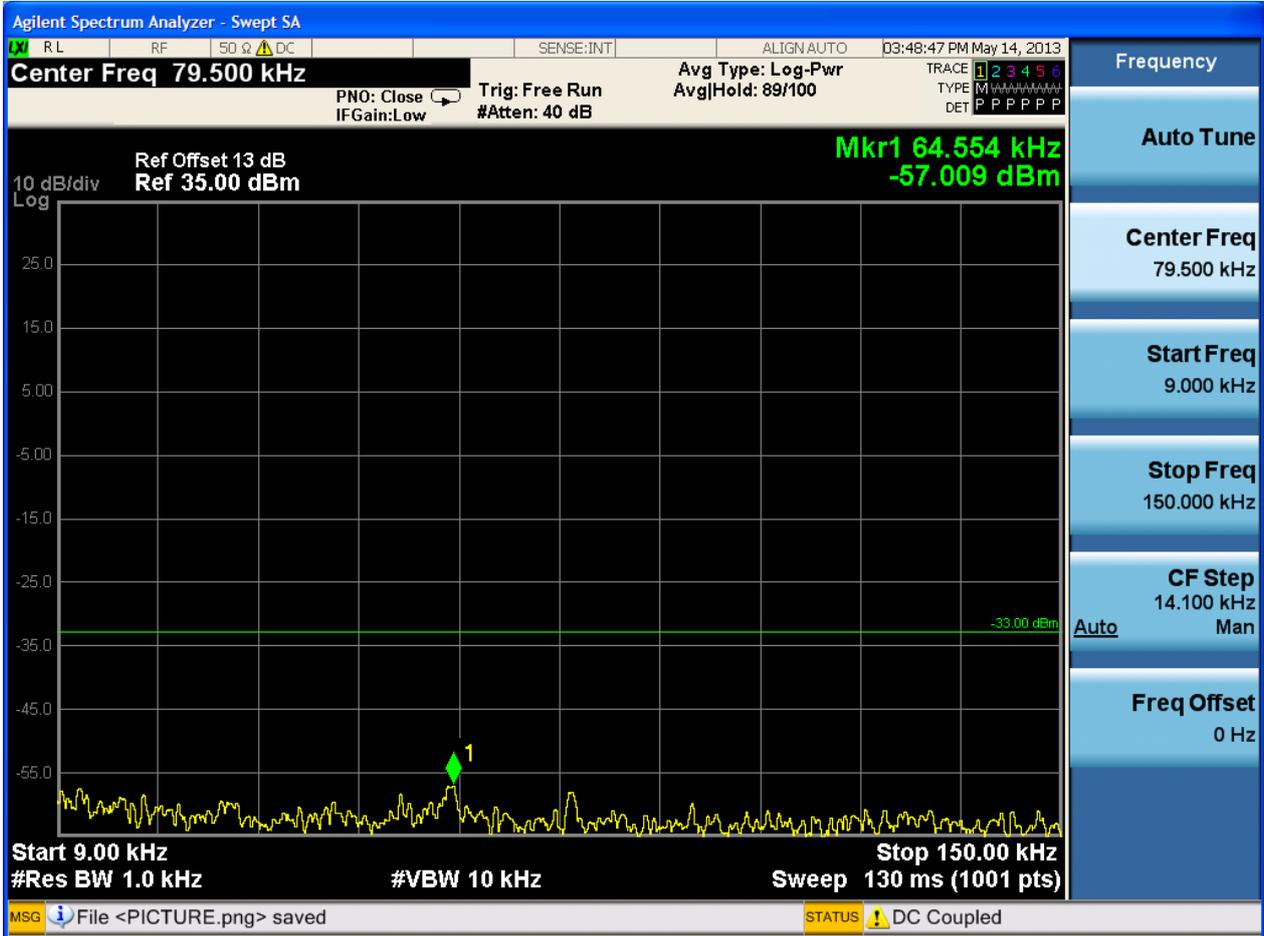


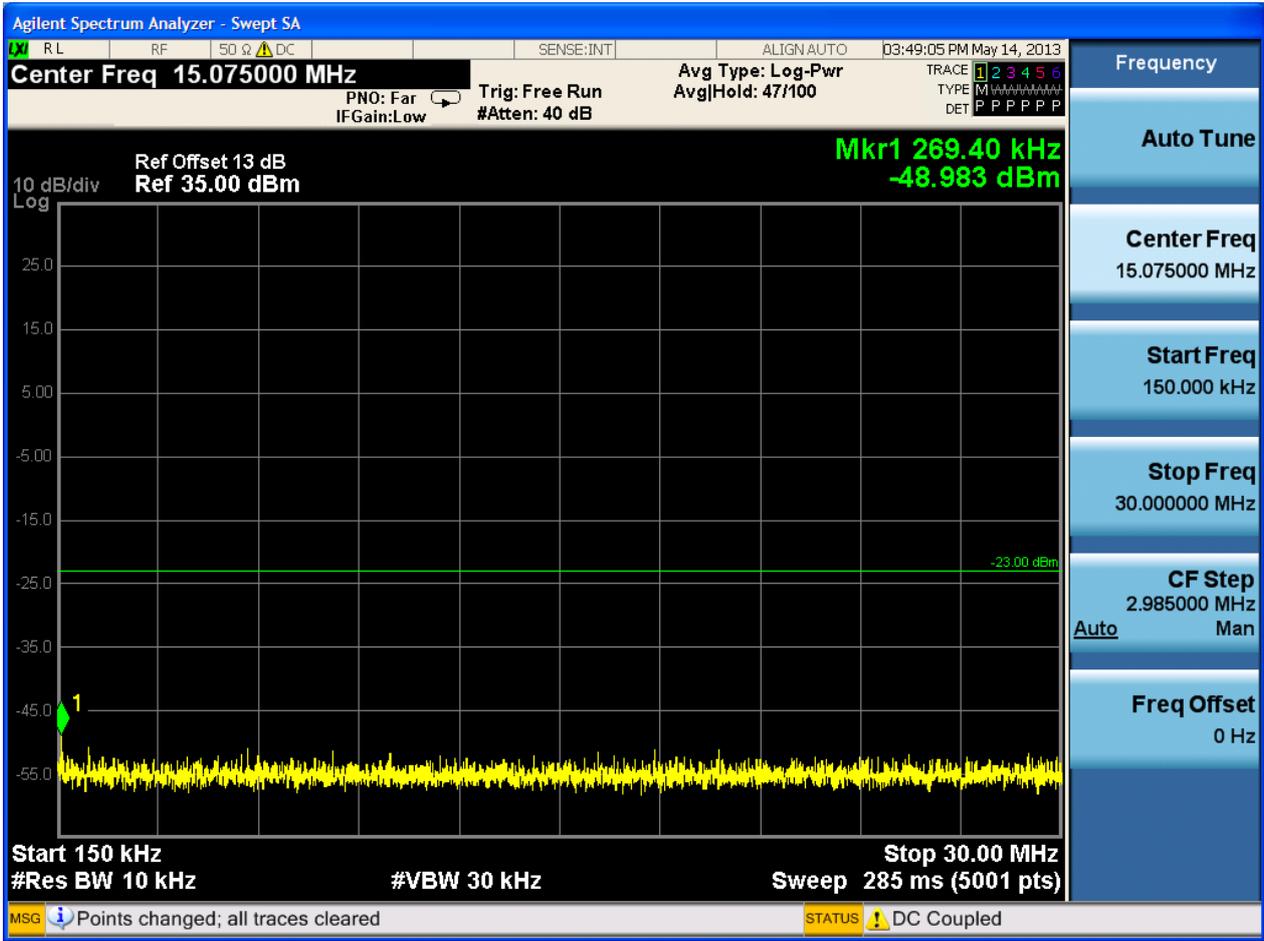


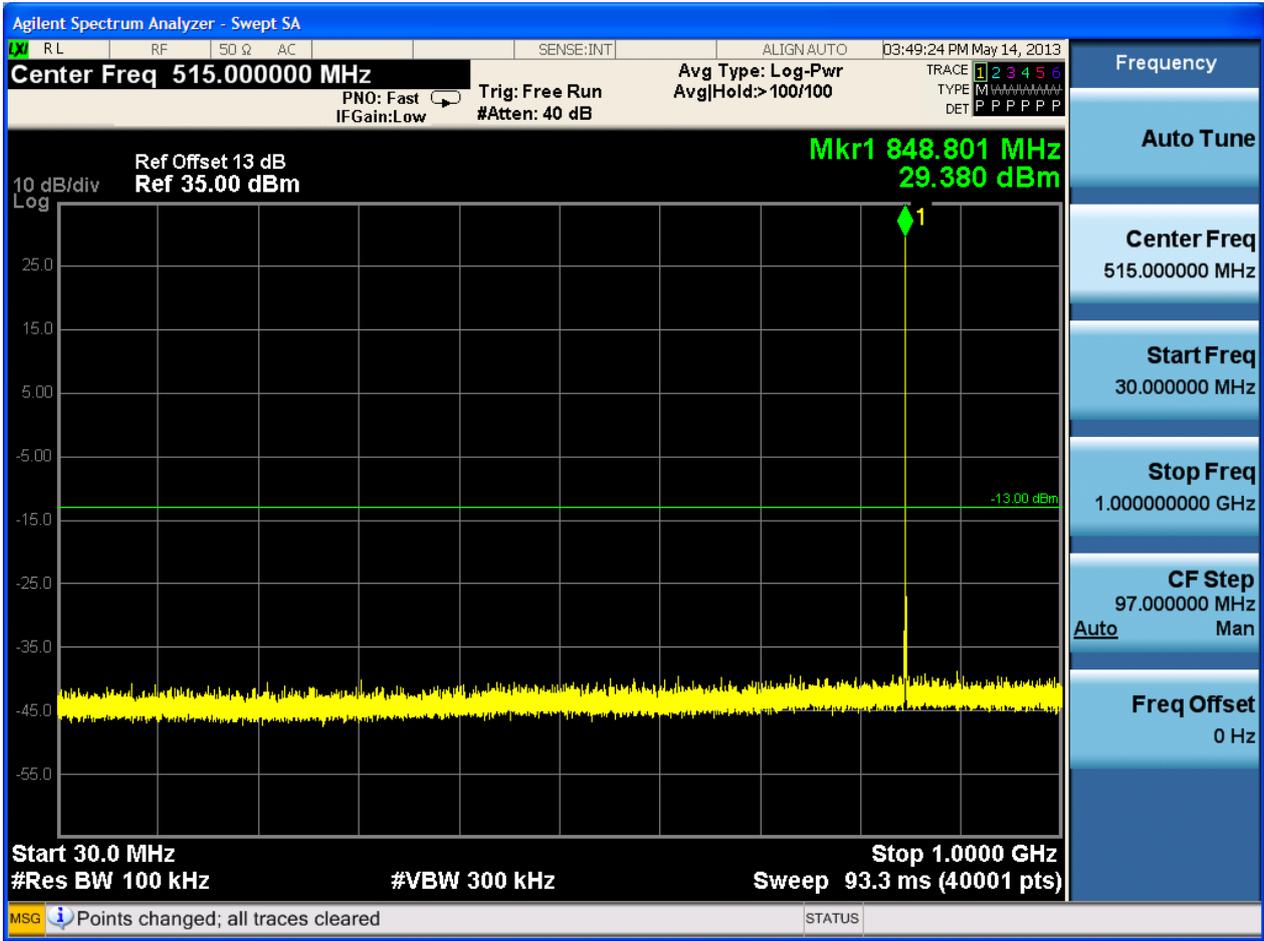


6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH

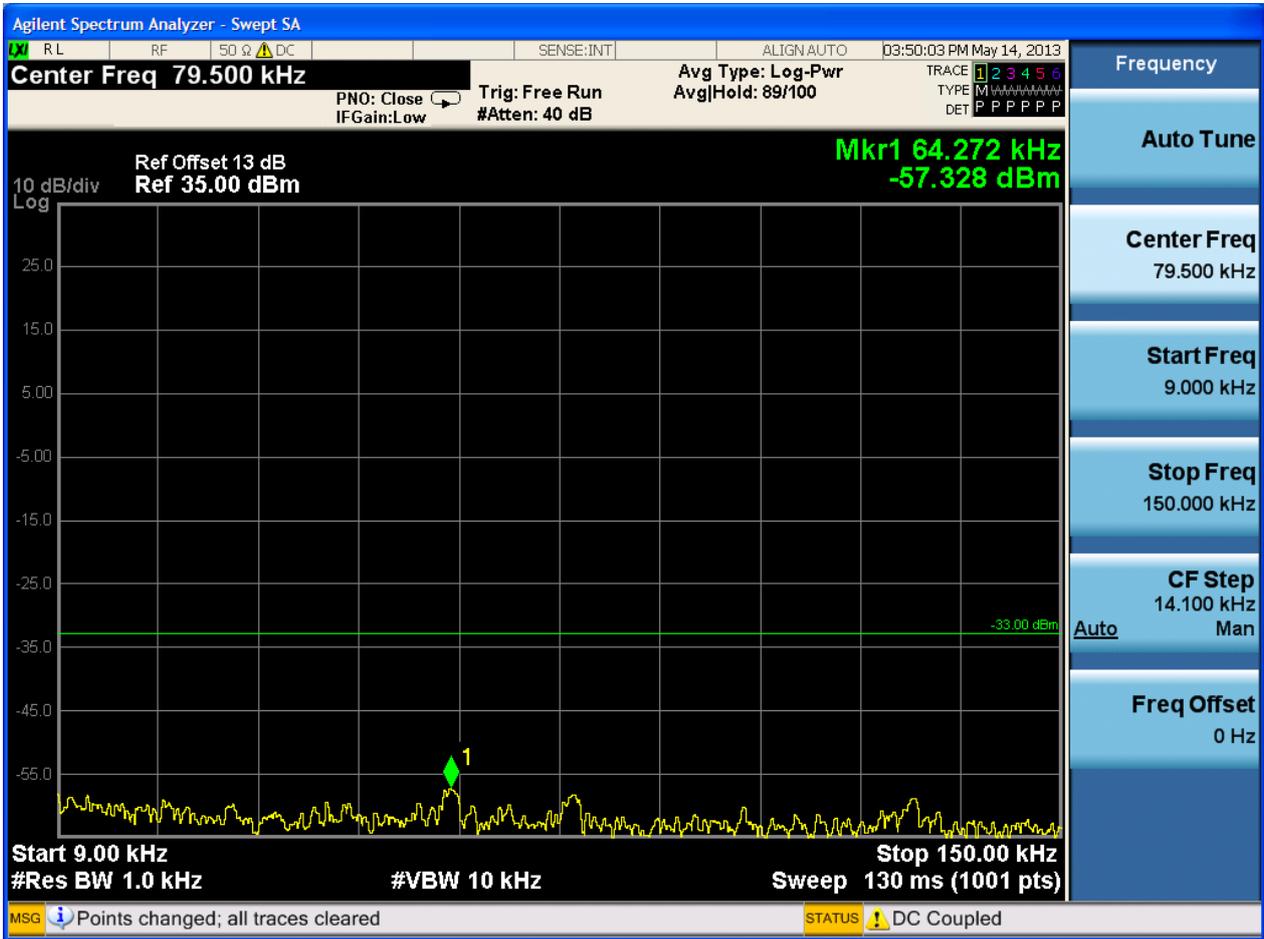


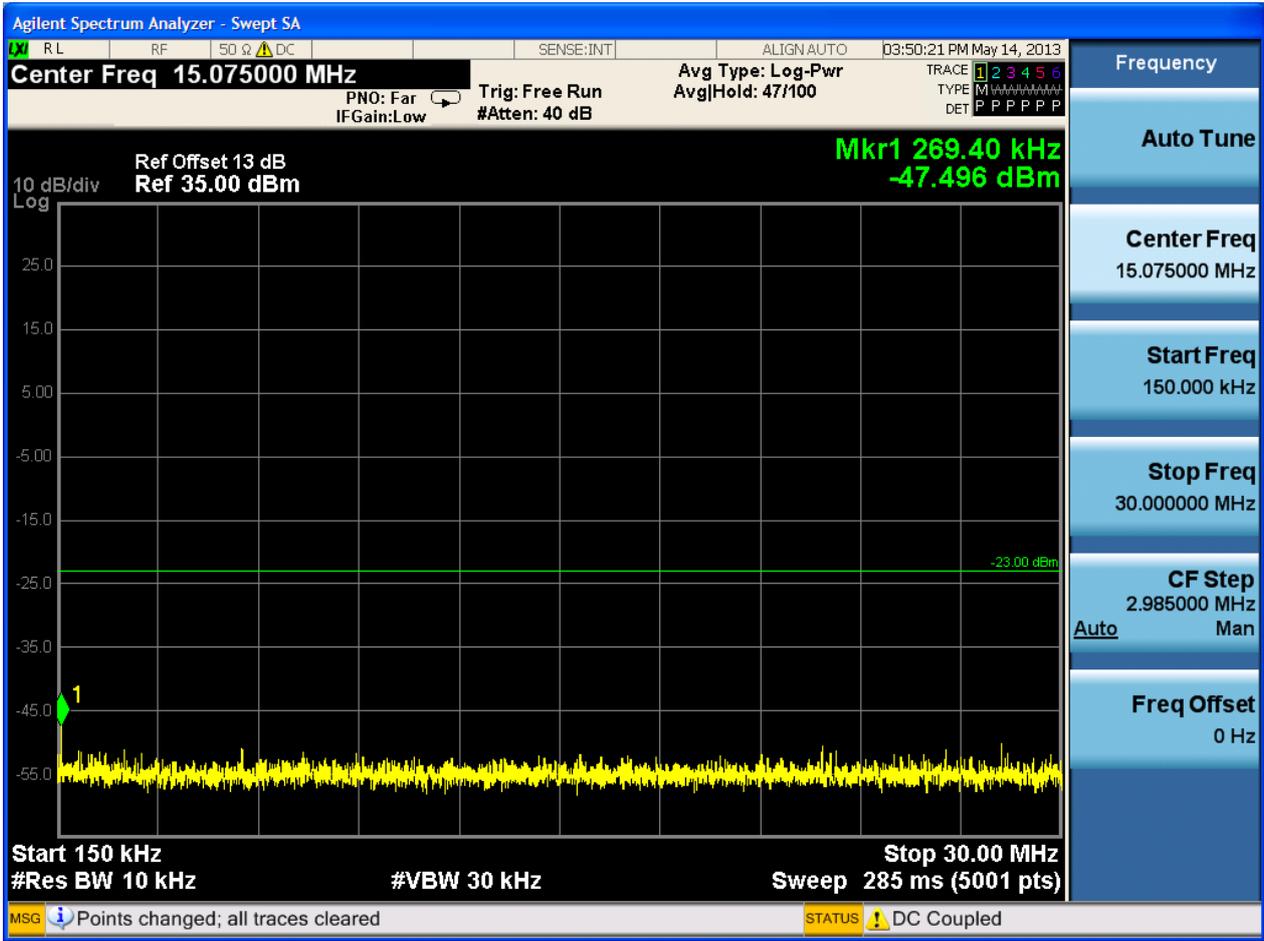


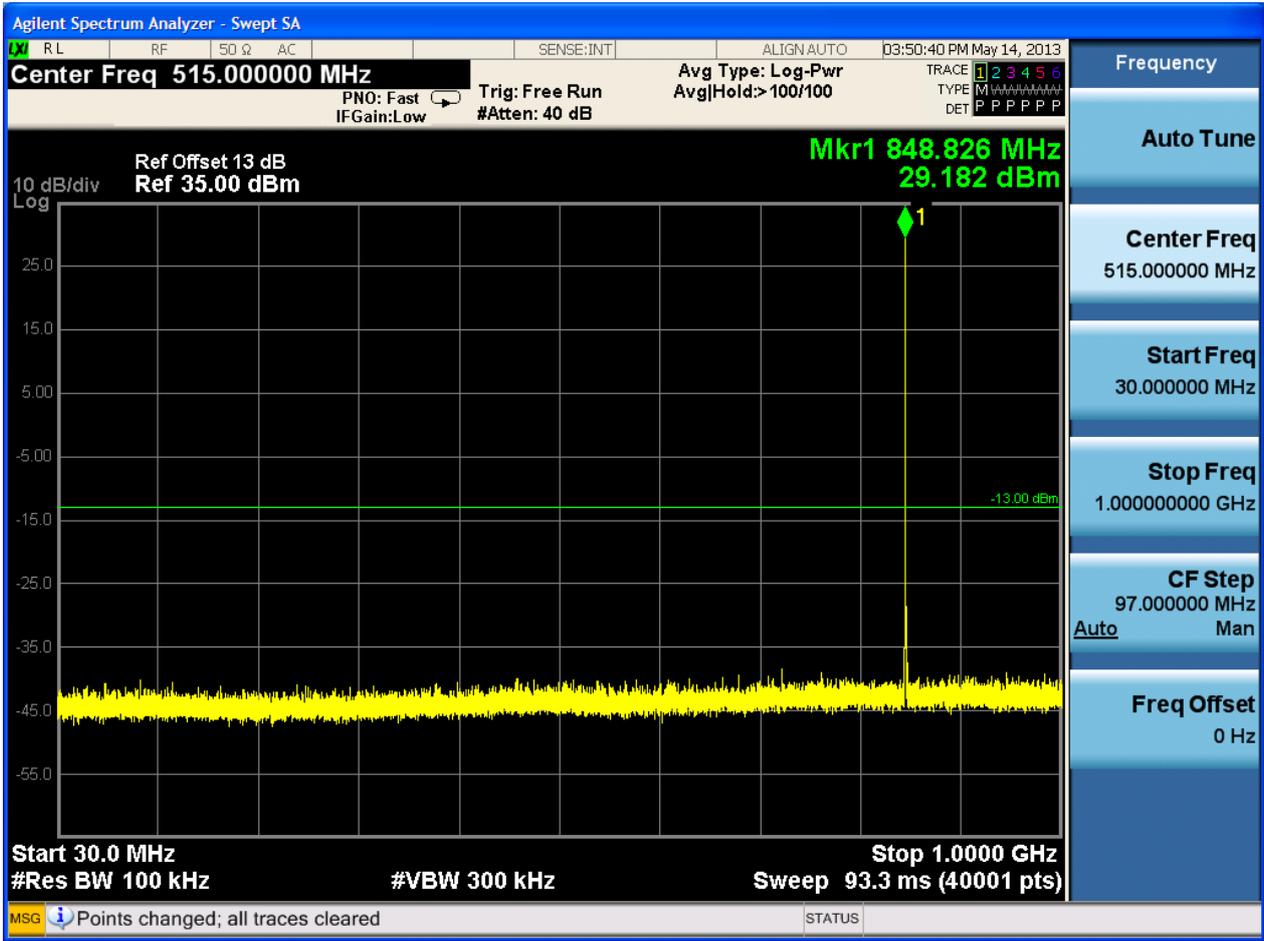


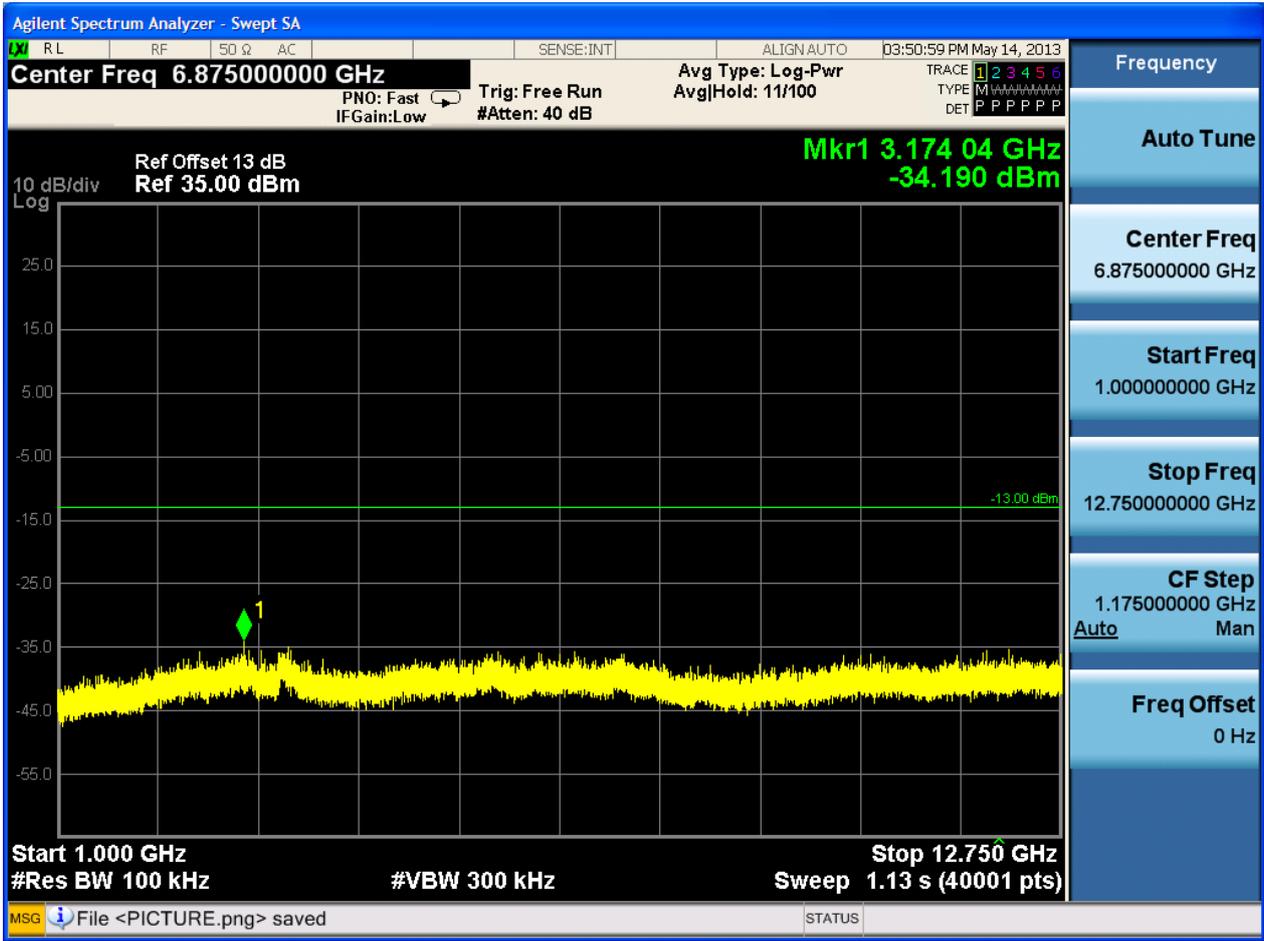


6.1.1.2.2 Test Channel = MCH



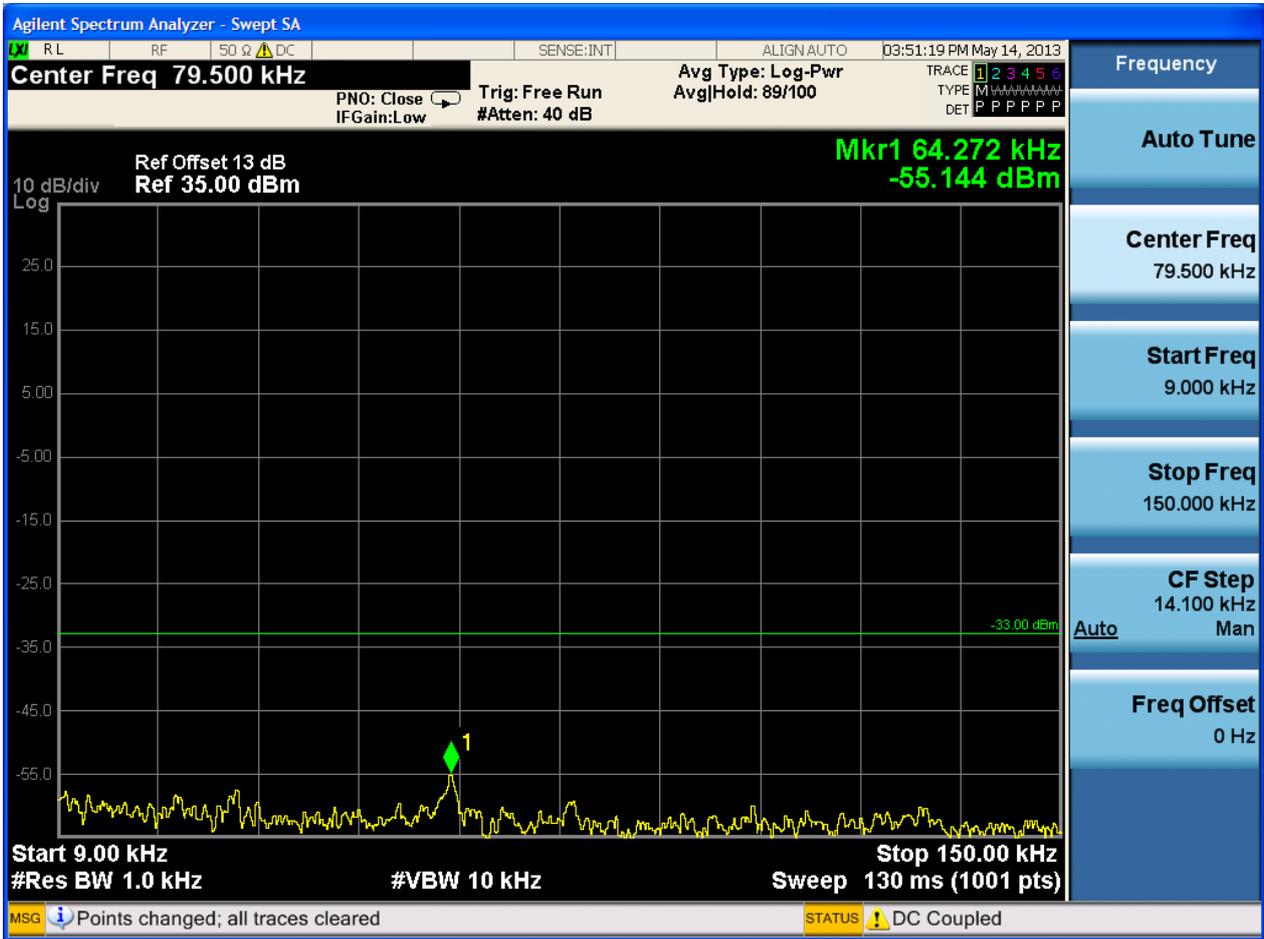


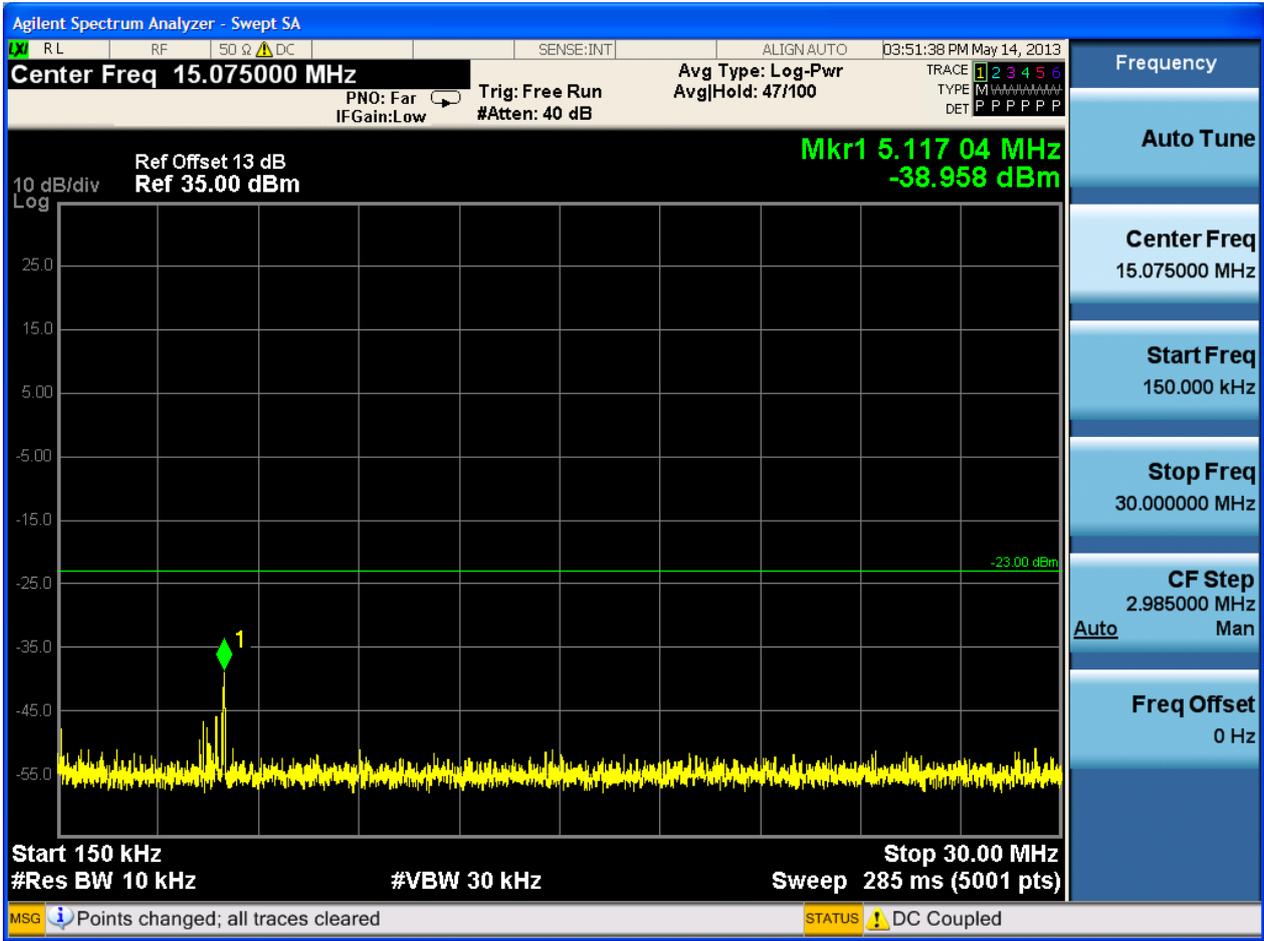


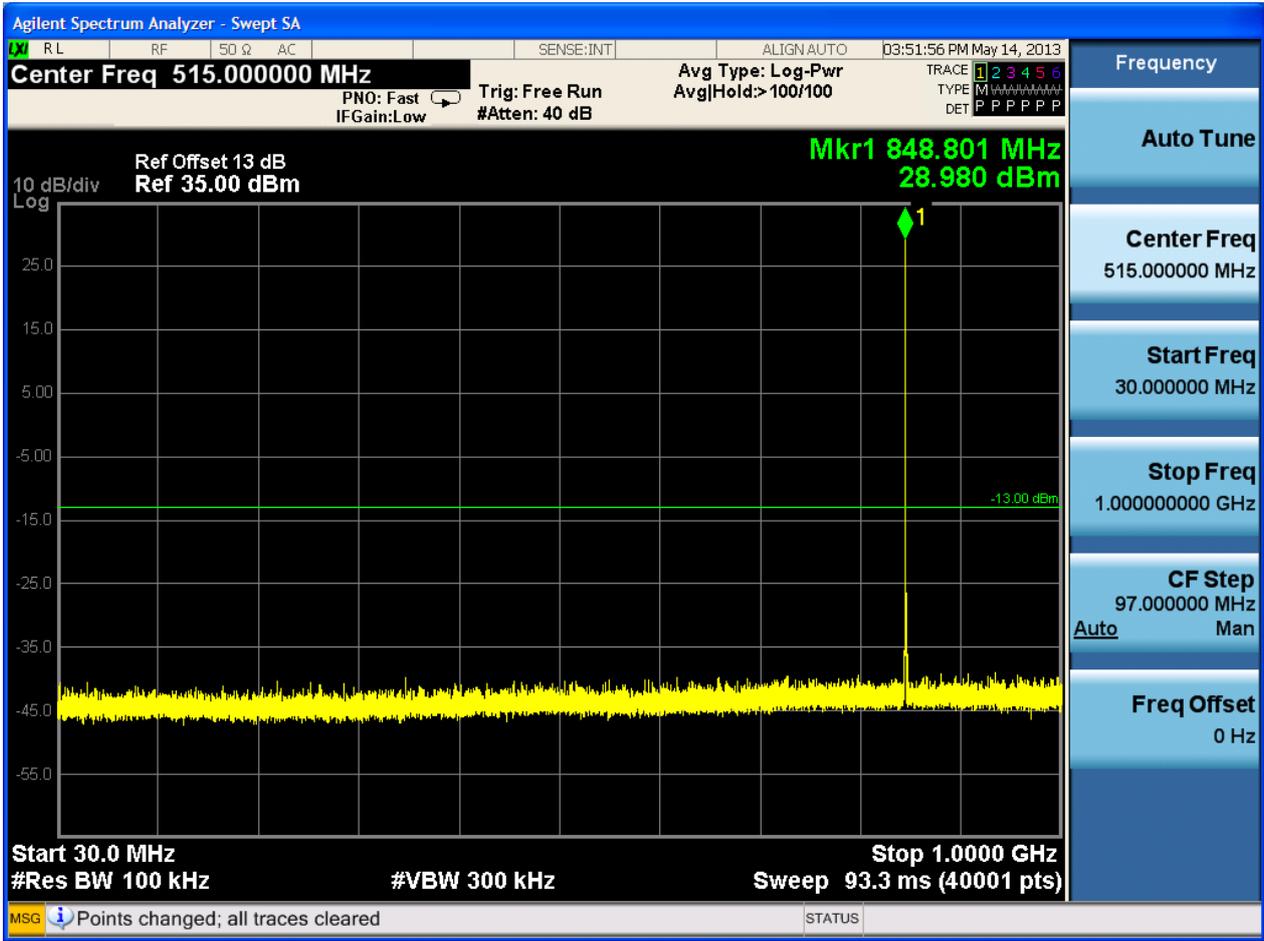


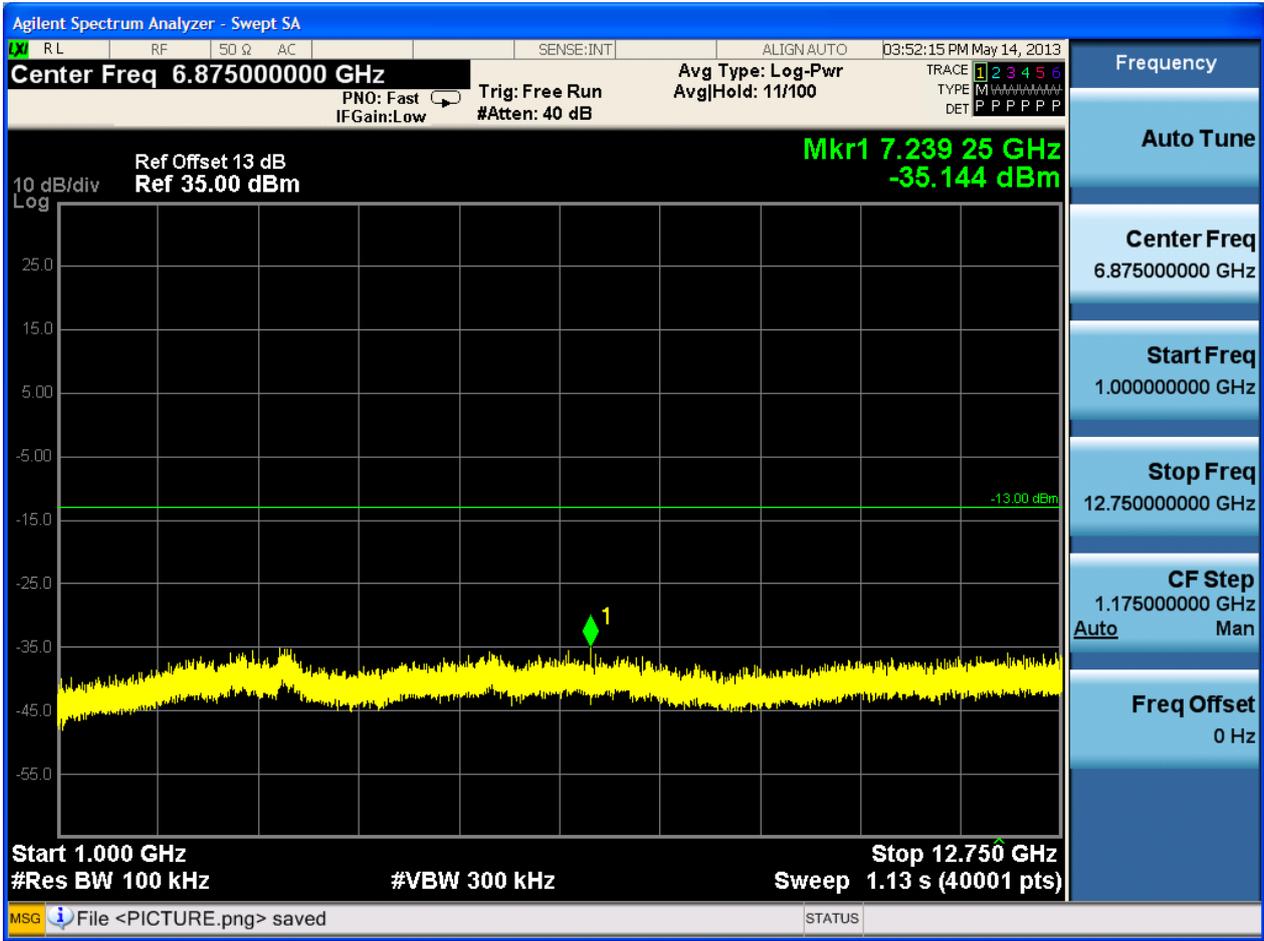


6.1.1.2.3 Test Channel = HCH







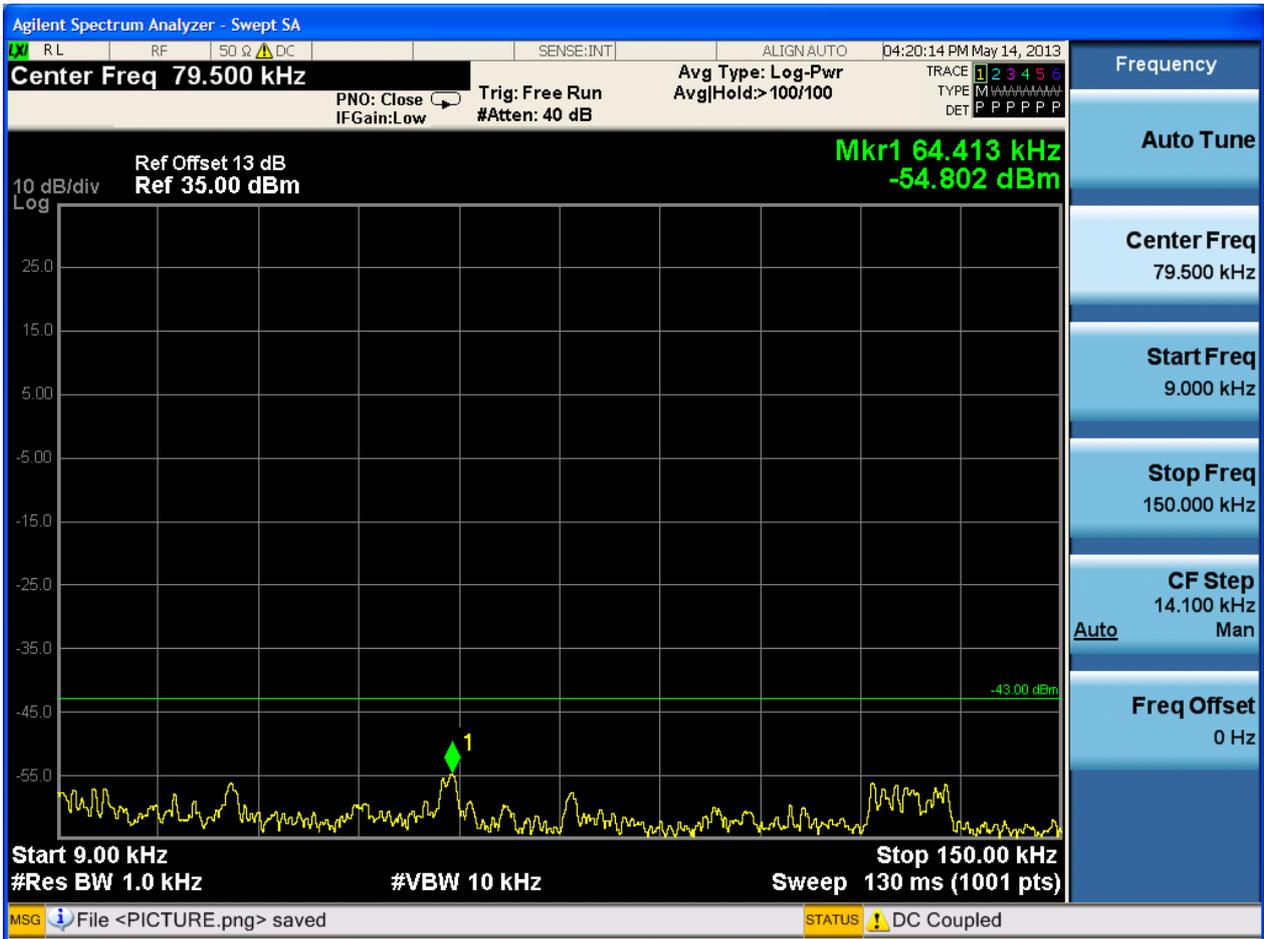


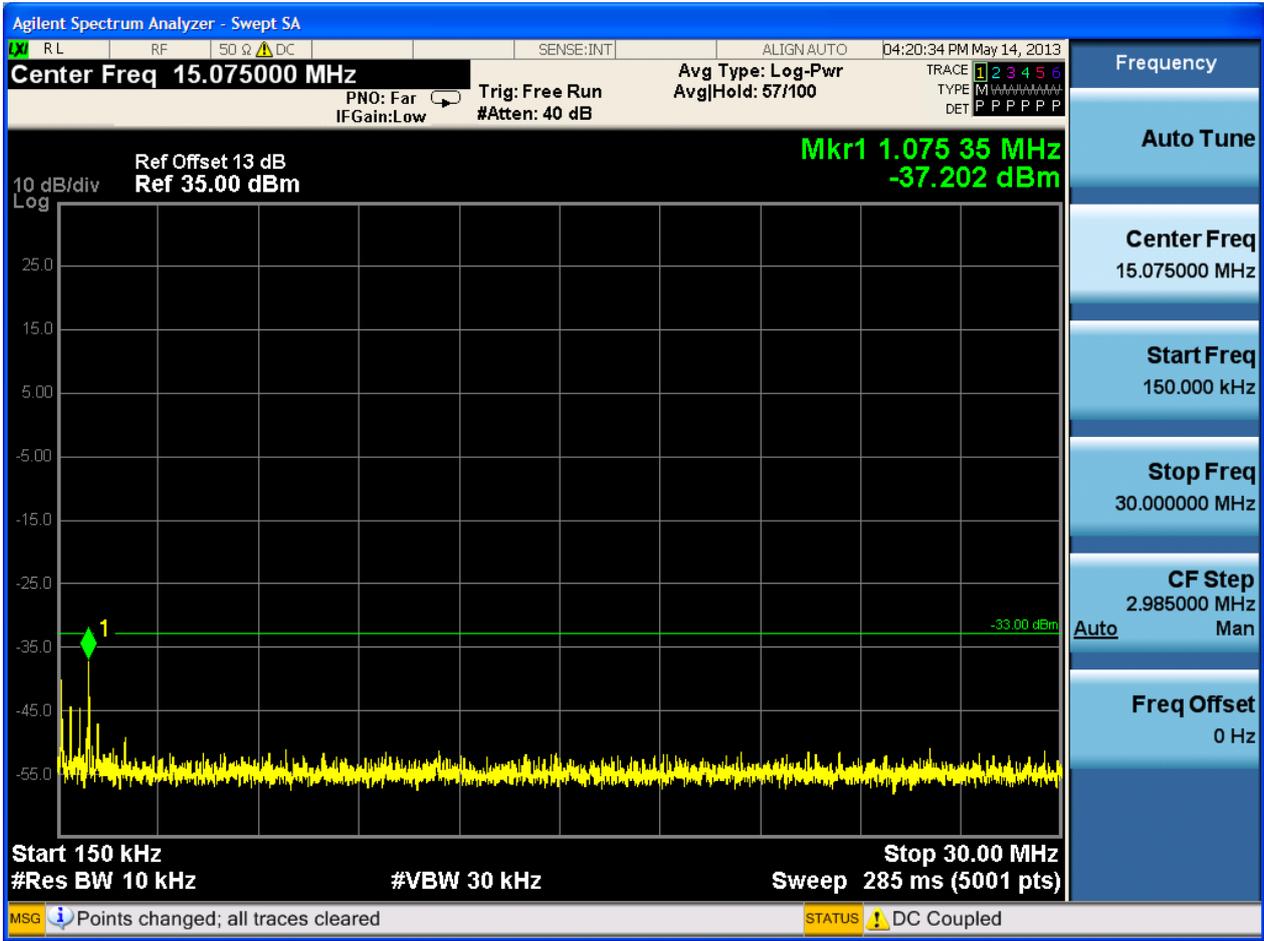


6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

6.1.2.1.1 Test Channel = LCH

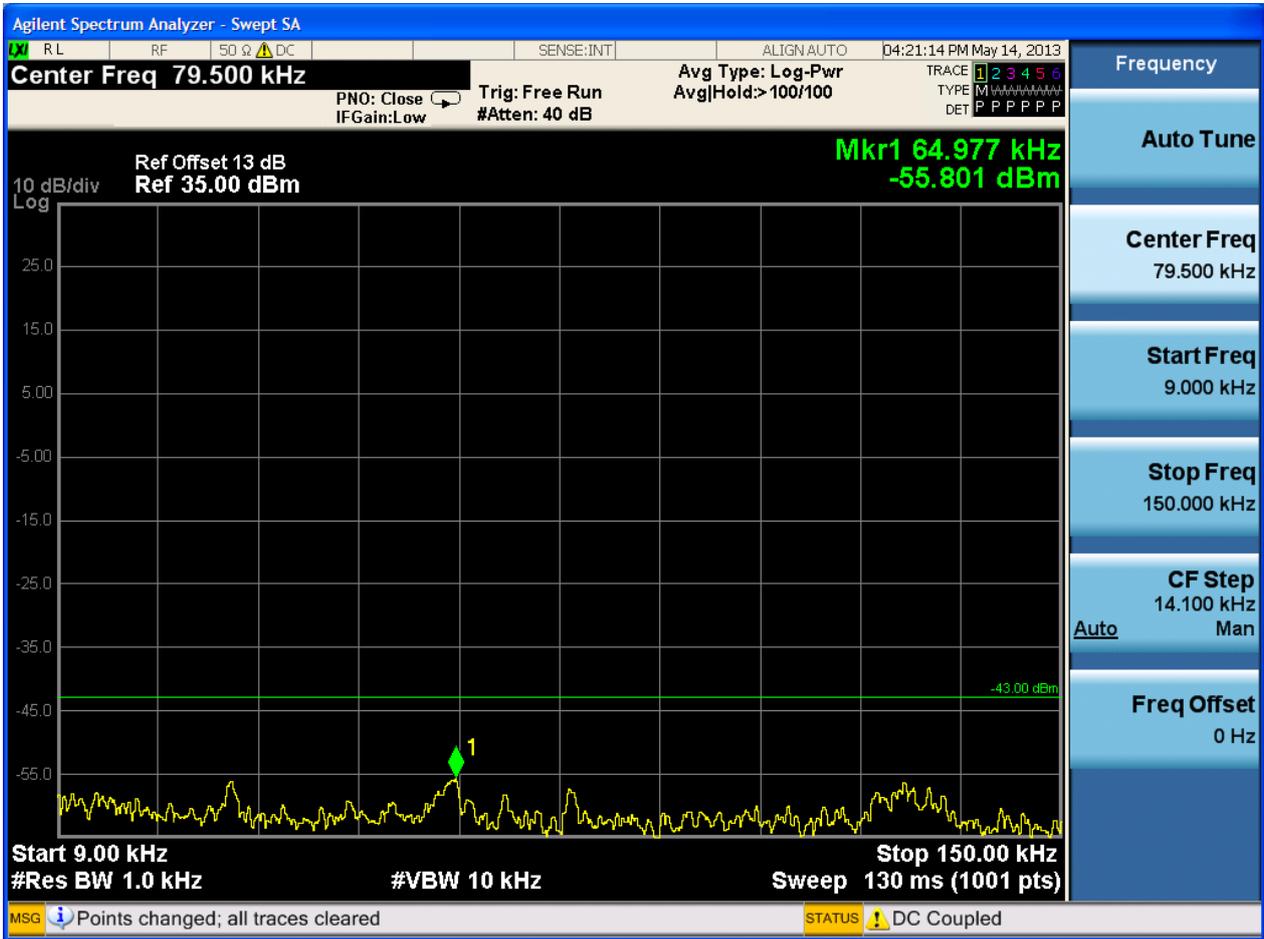


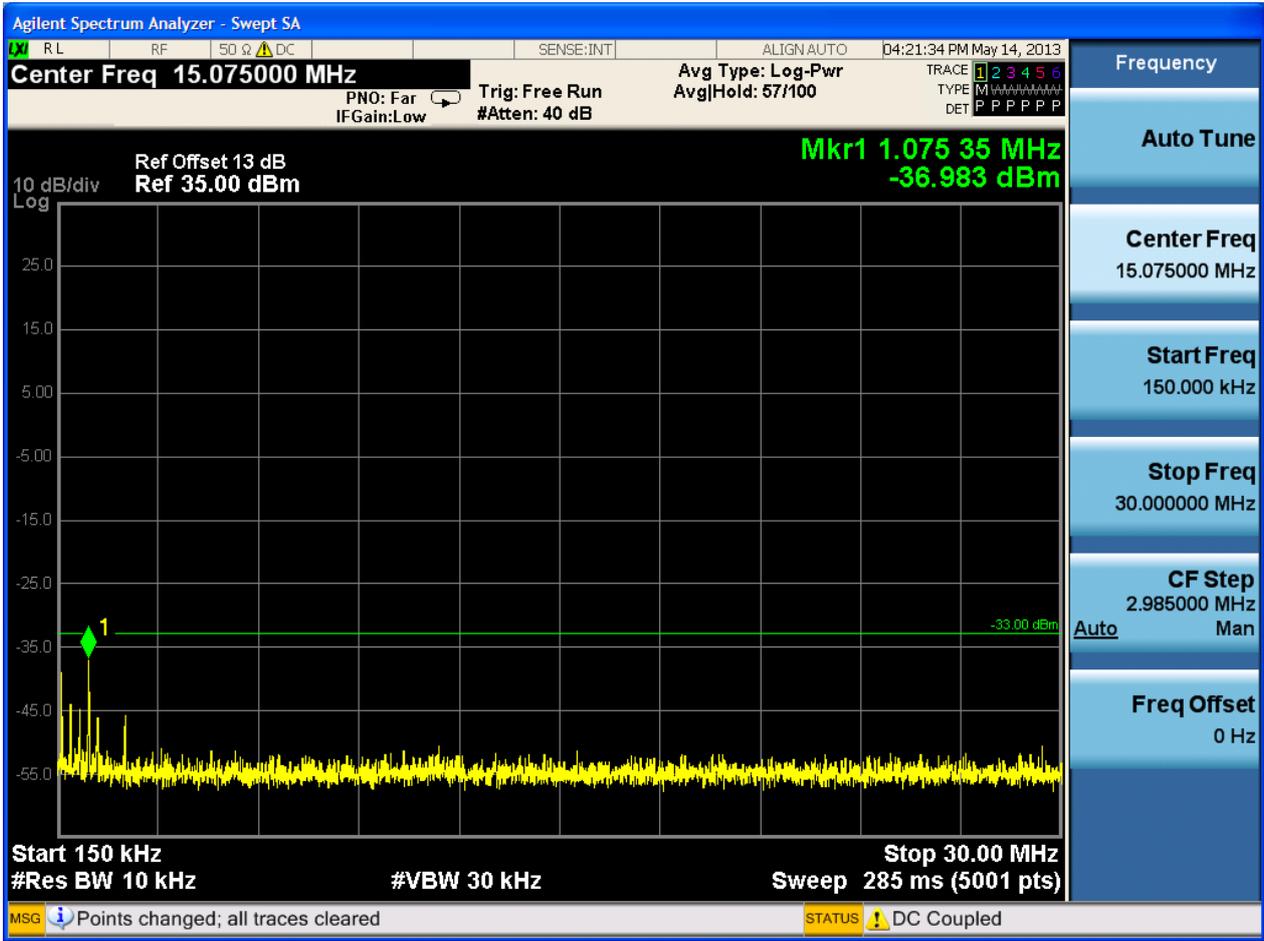


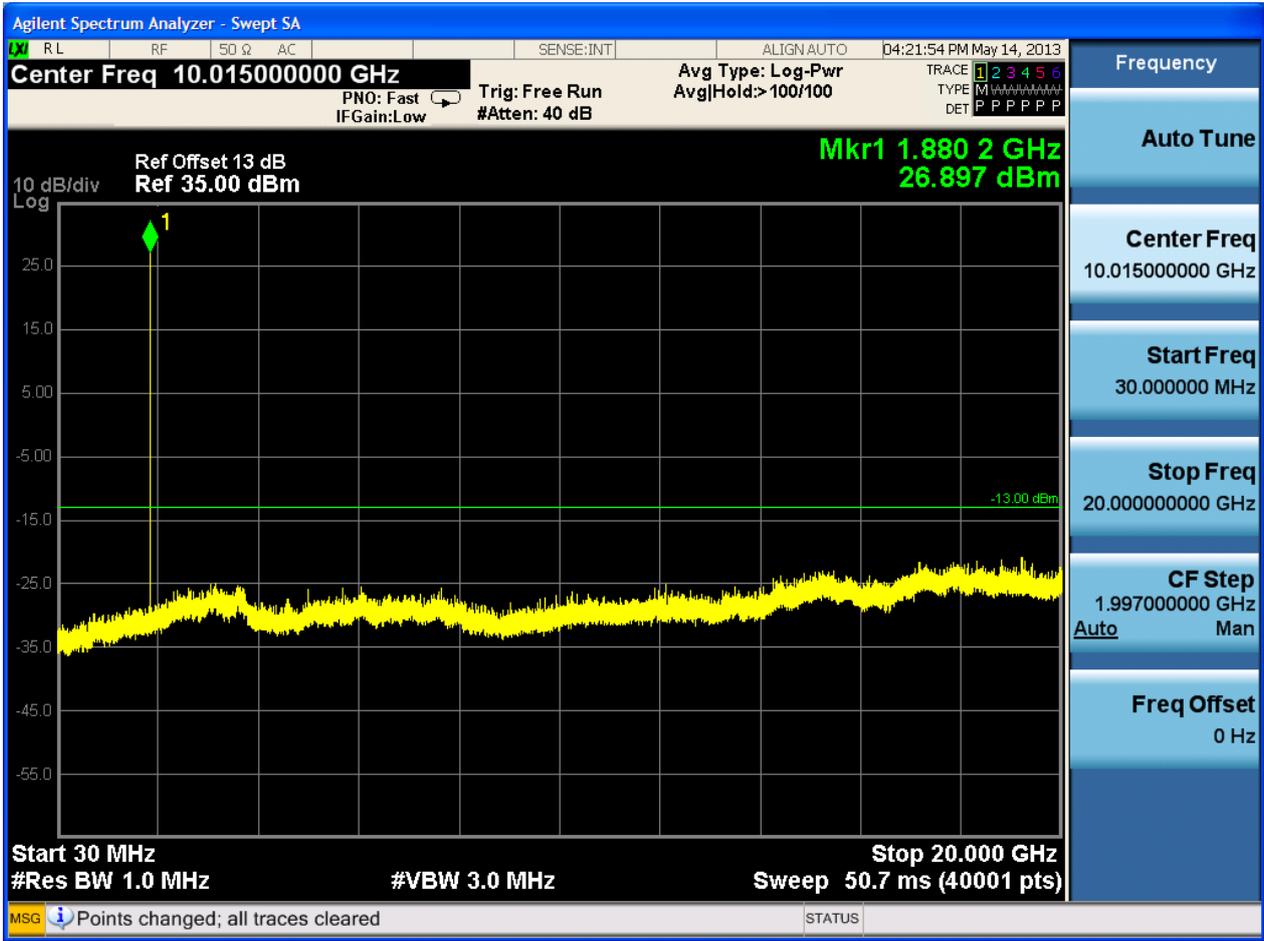




6.1.2.1.2 Test Channel = MCH

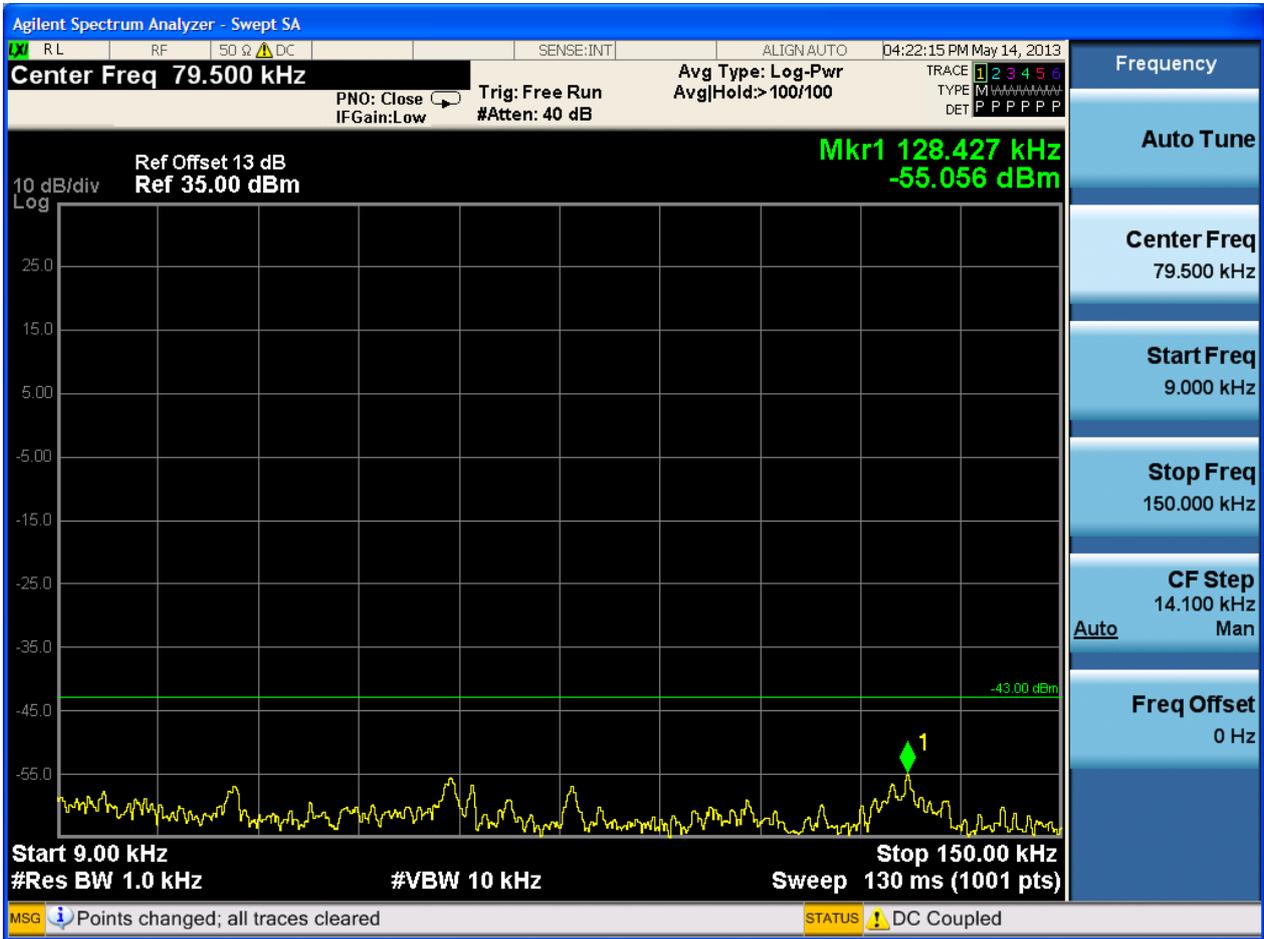


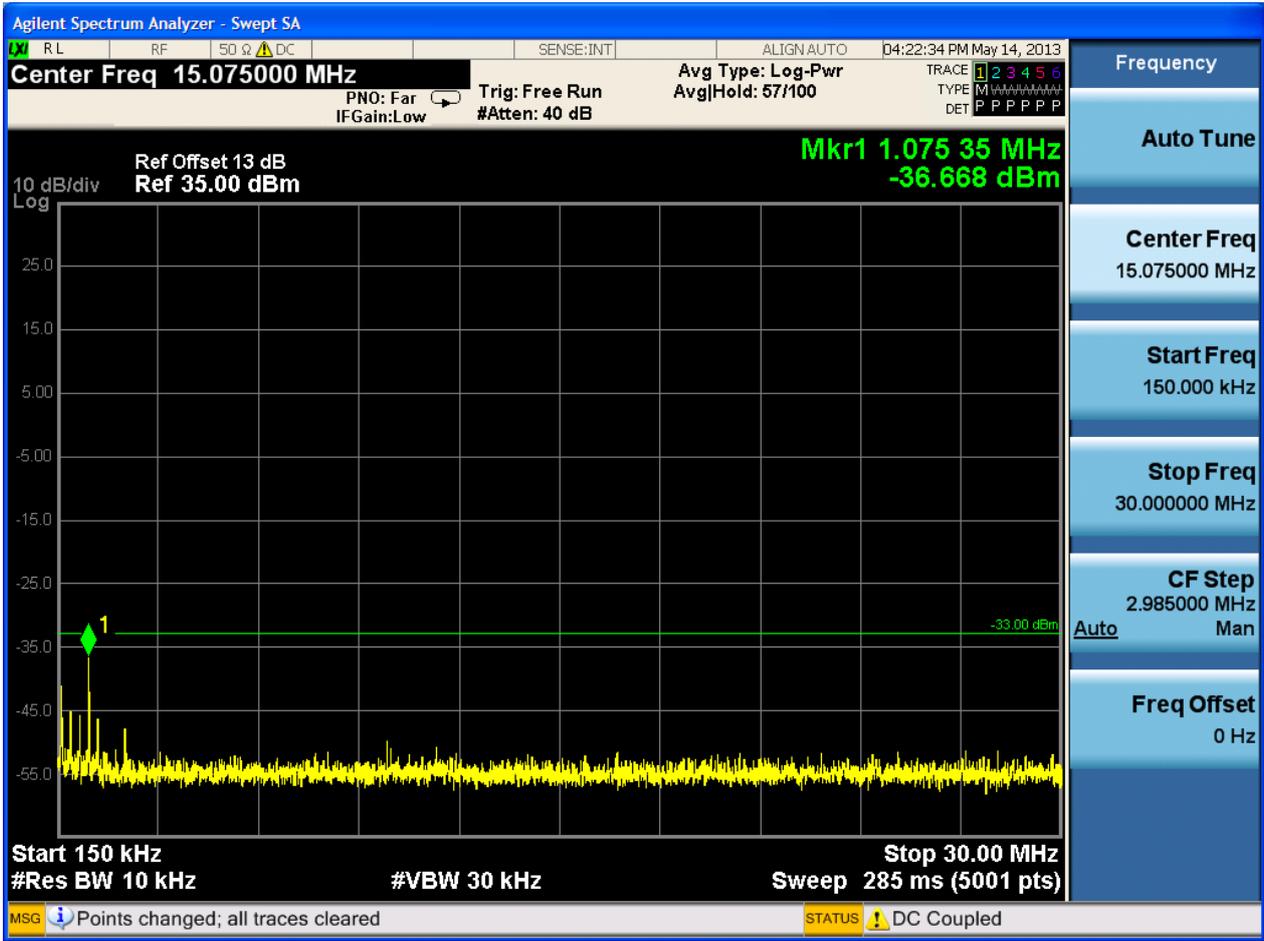




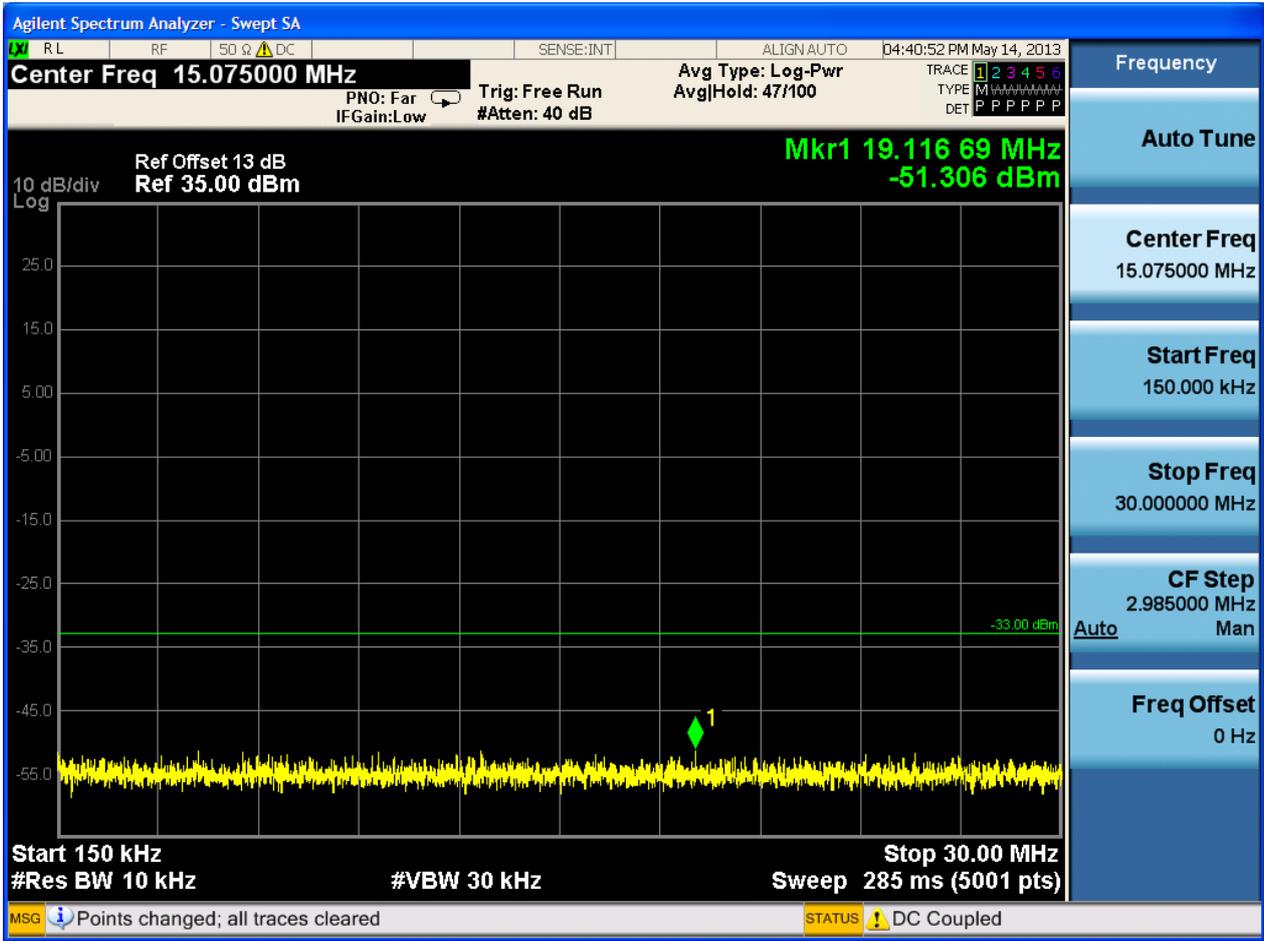


6.1.2.1.3 Test Channel = HCH





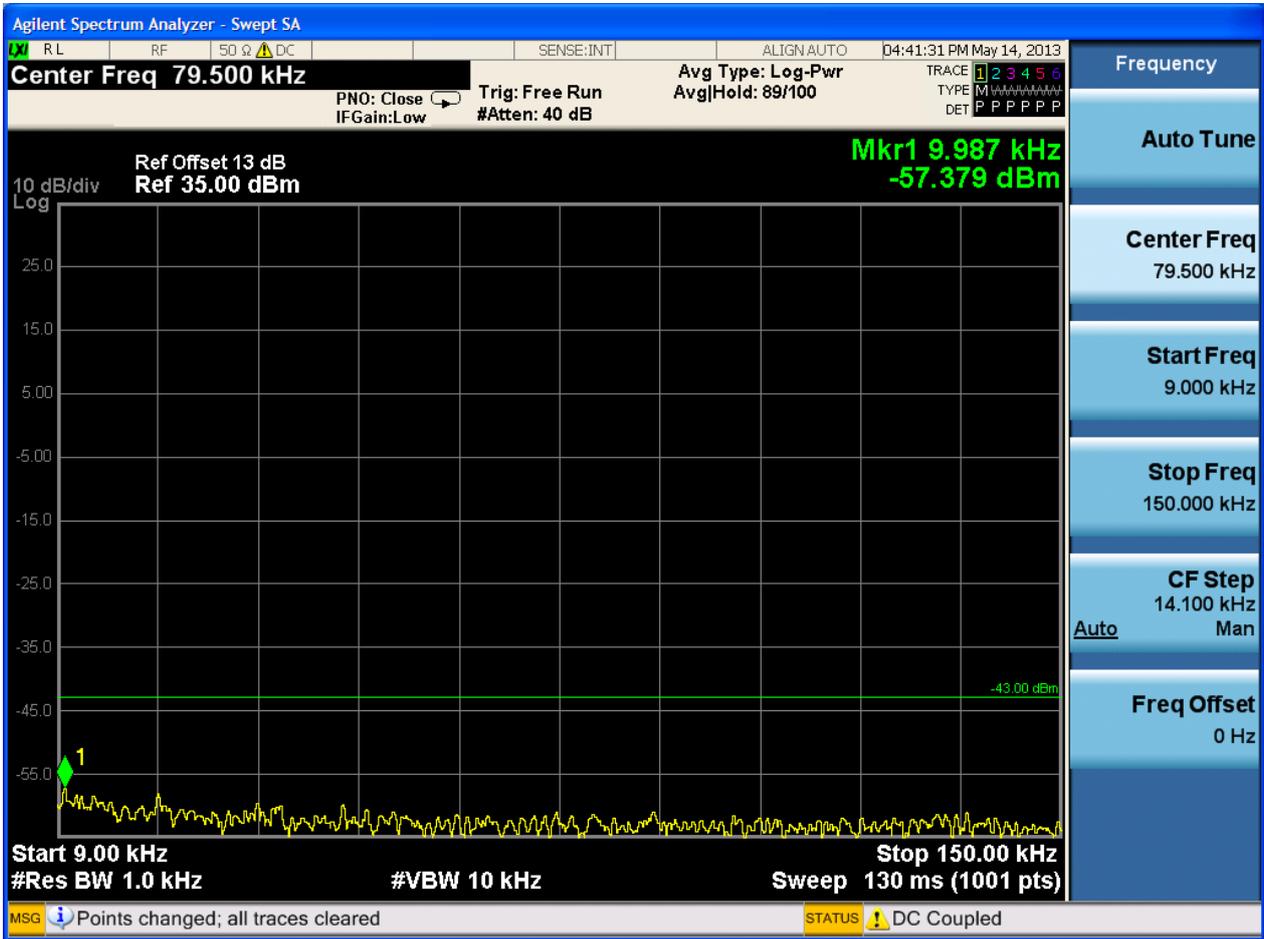


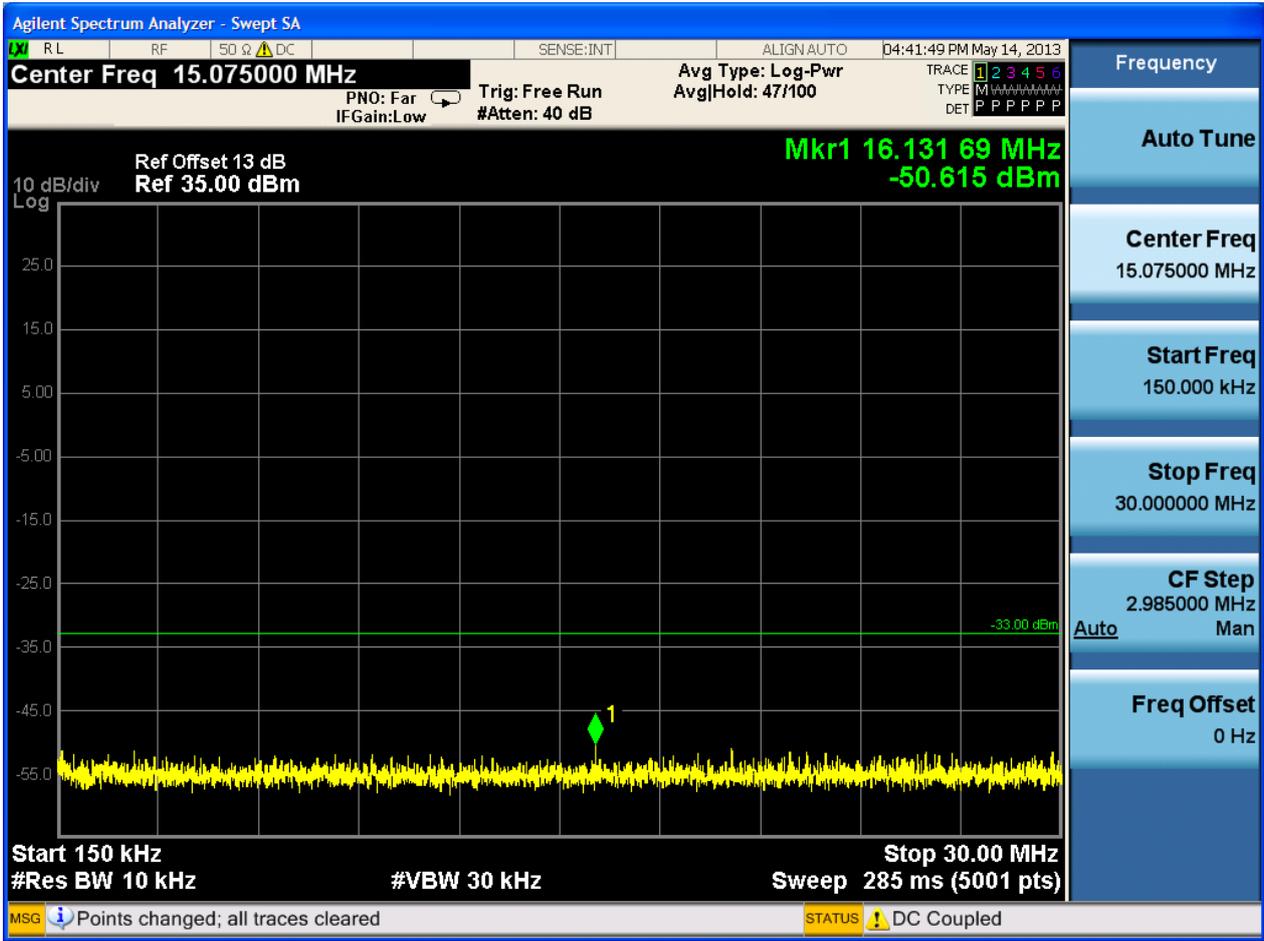






6.1.2.2.2 Test Channel = MCH

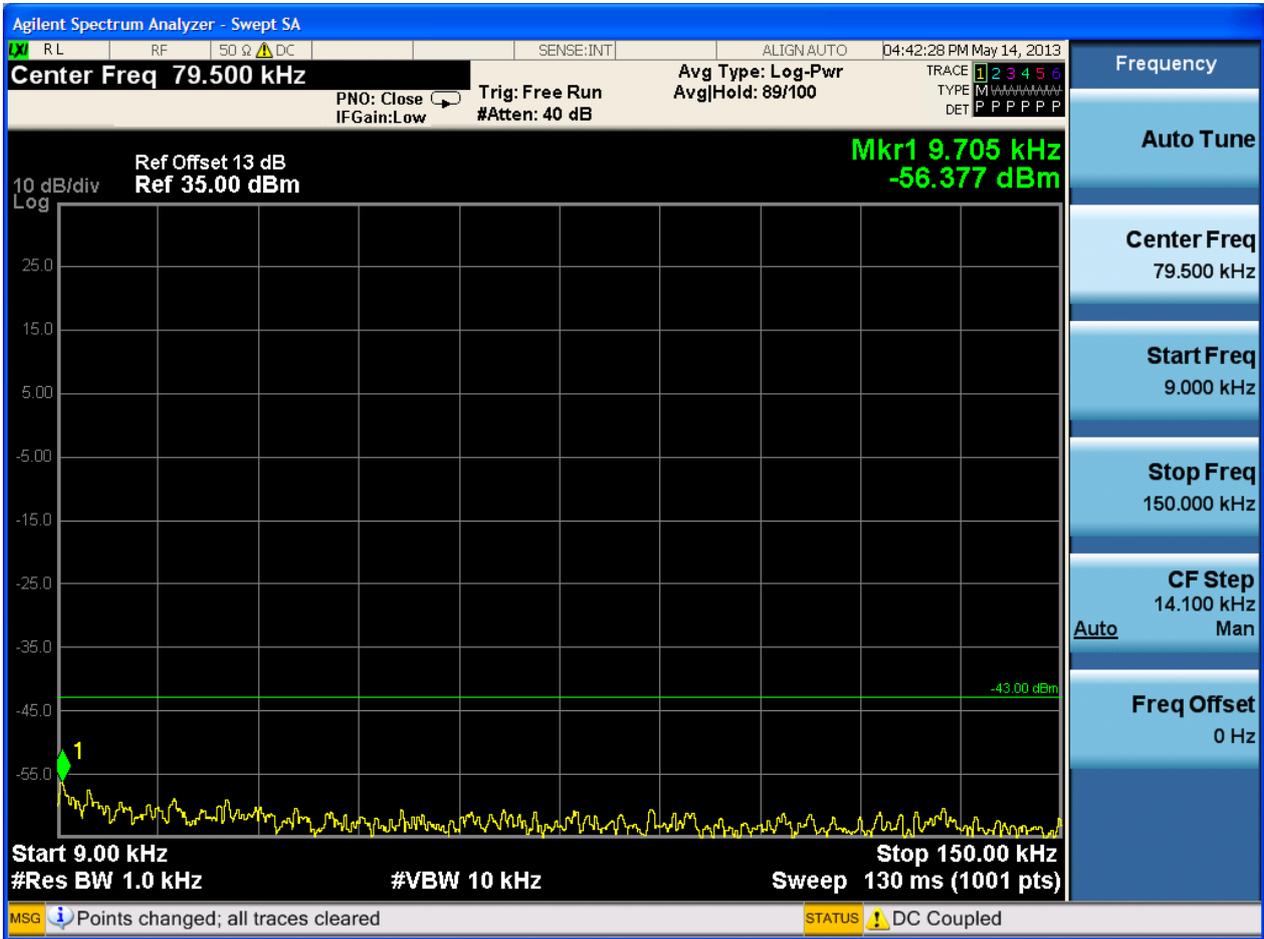


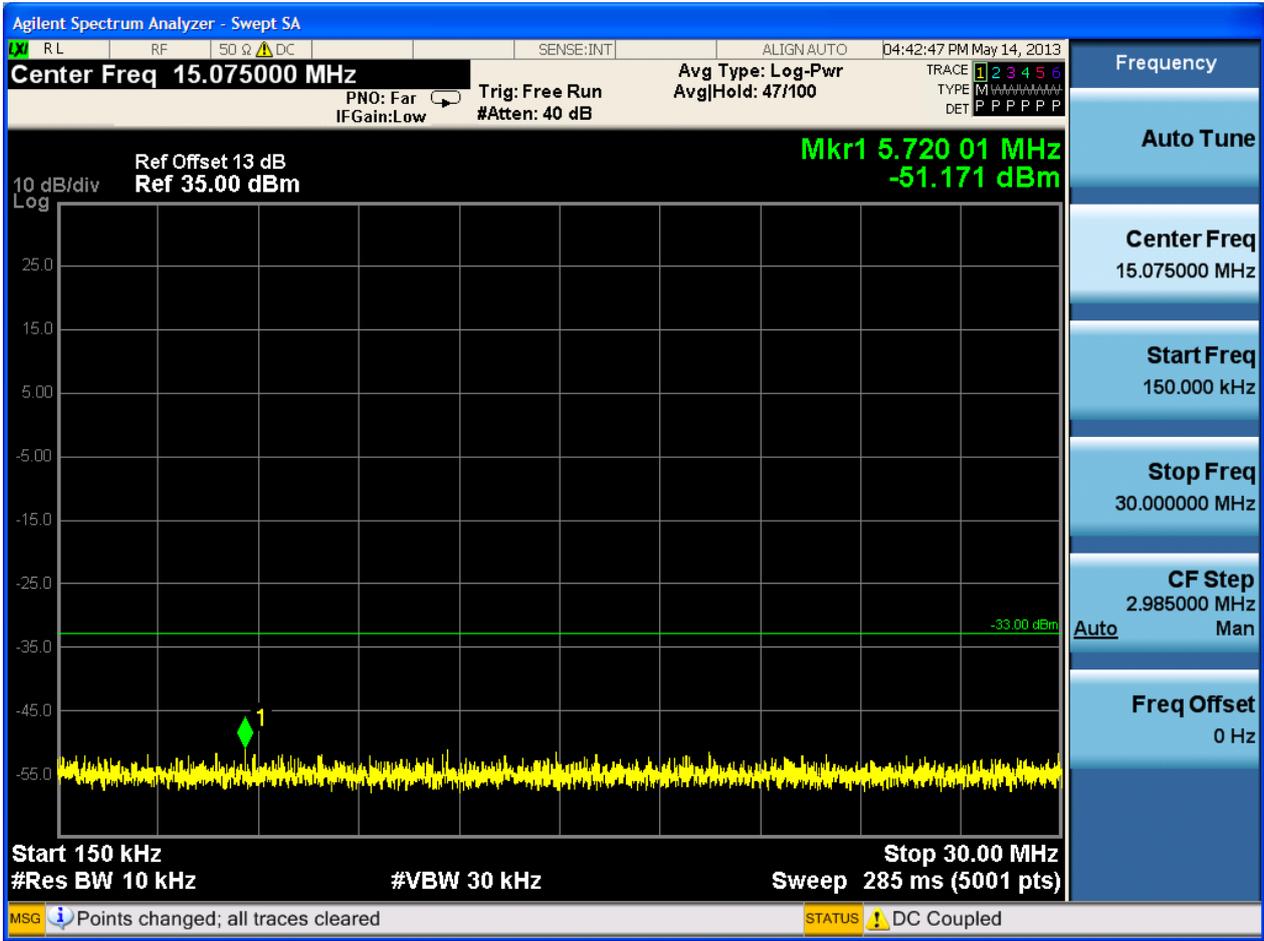






6.1.2.2.3 Test Channel = HCH





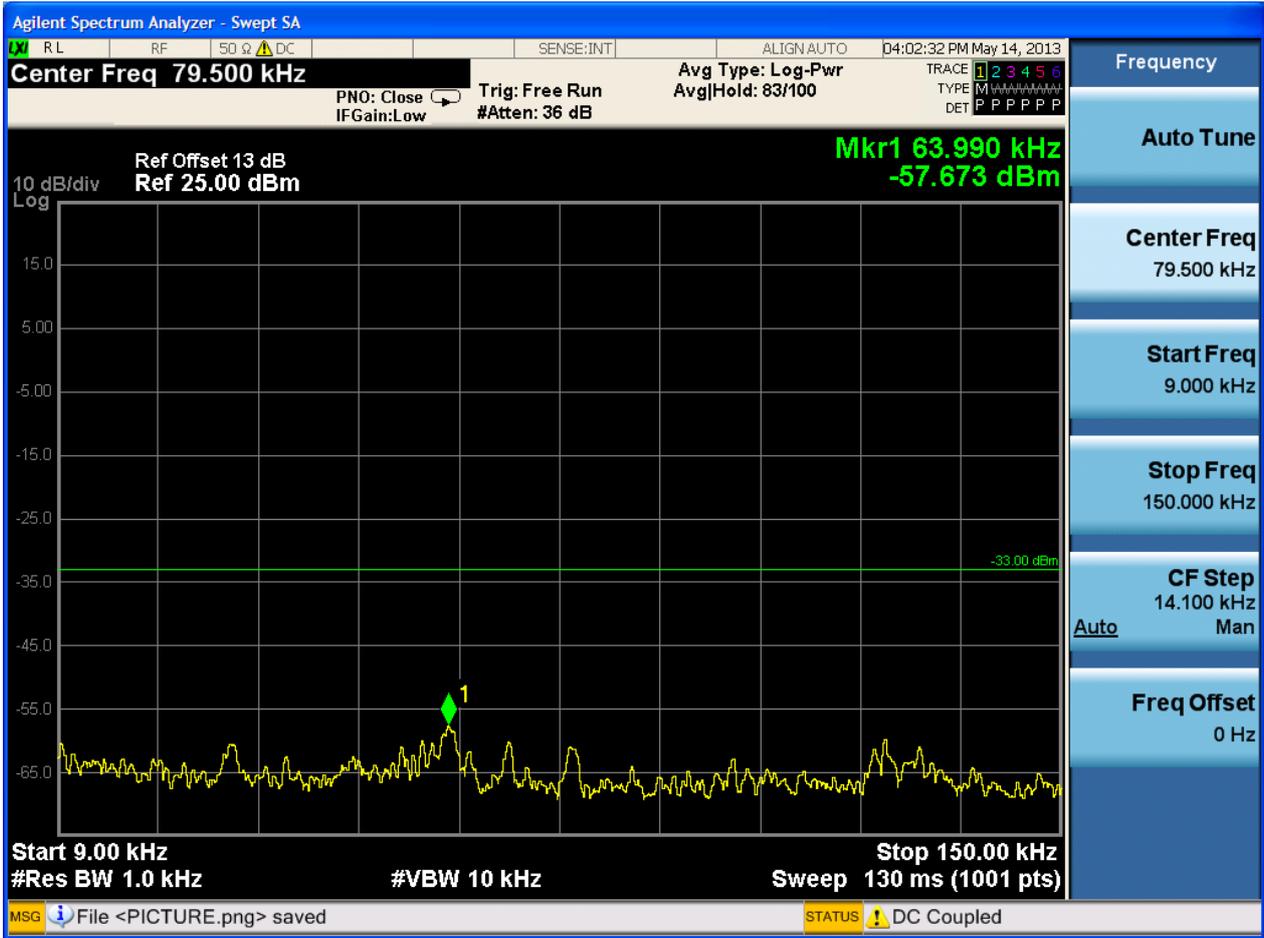


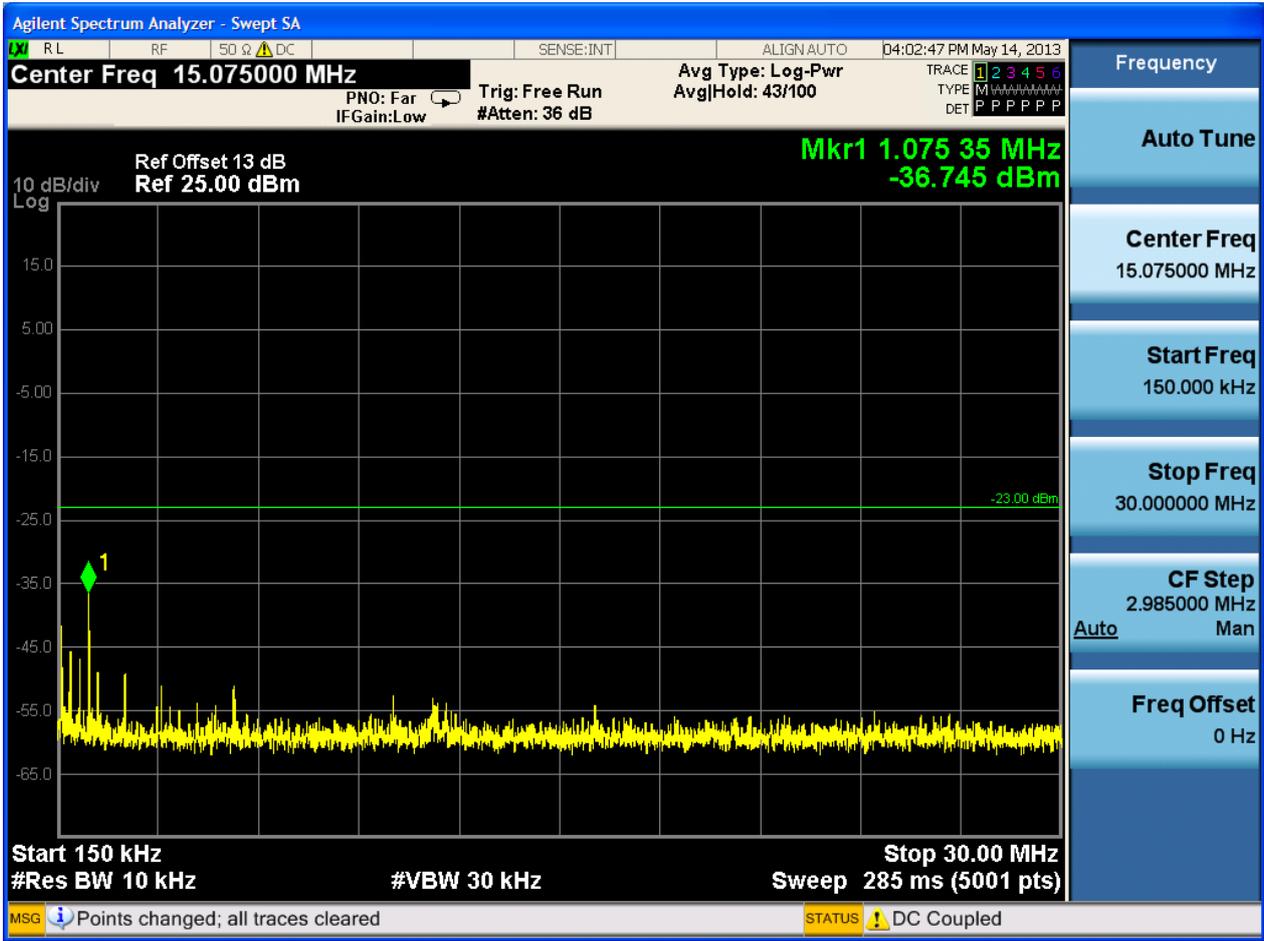
6.2 For UMTS

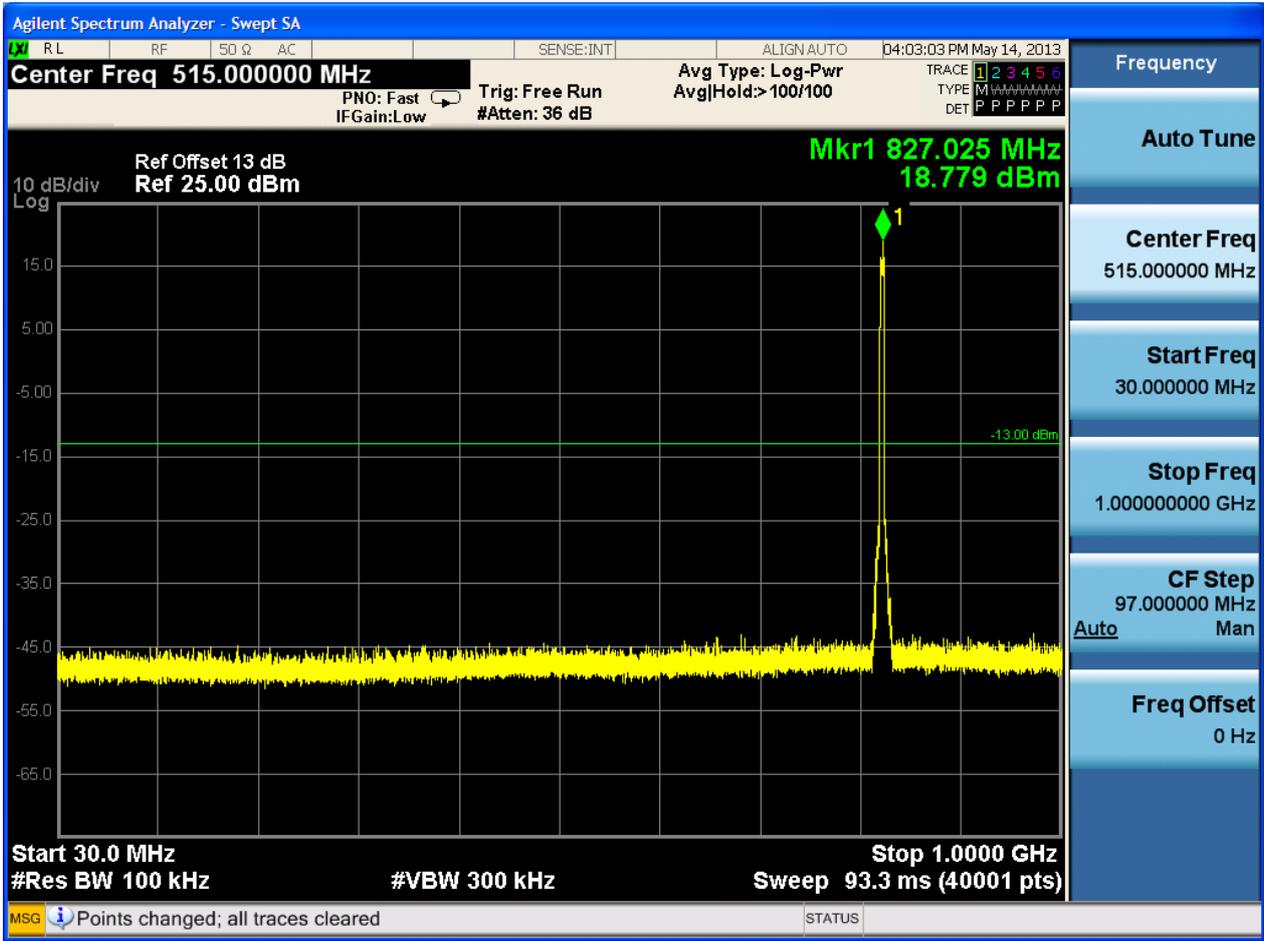
6.2.1 Test Band = WCDMA850

6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

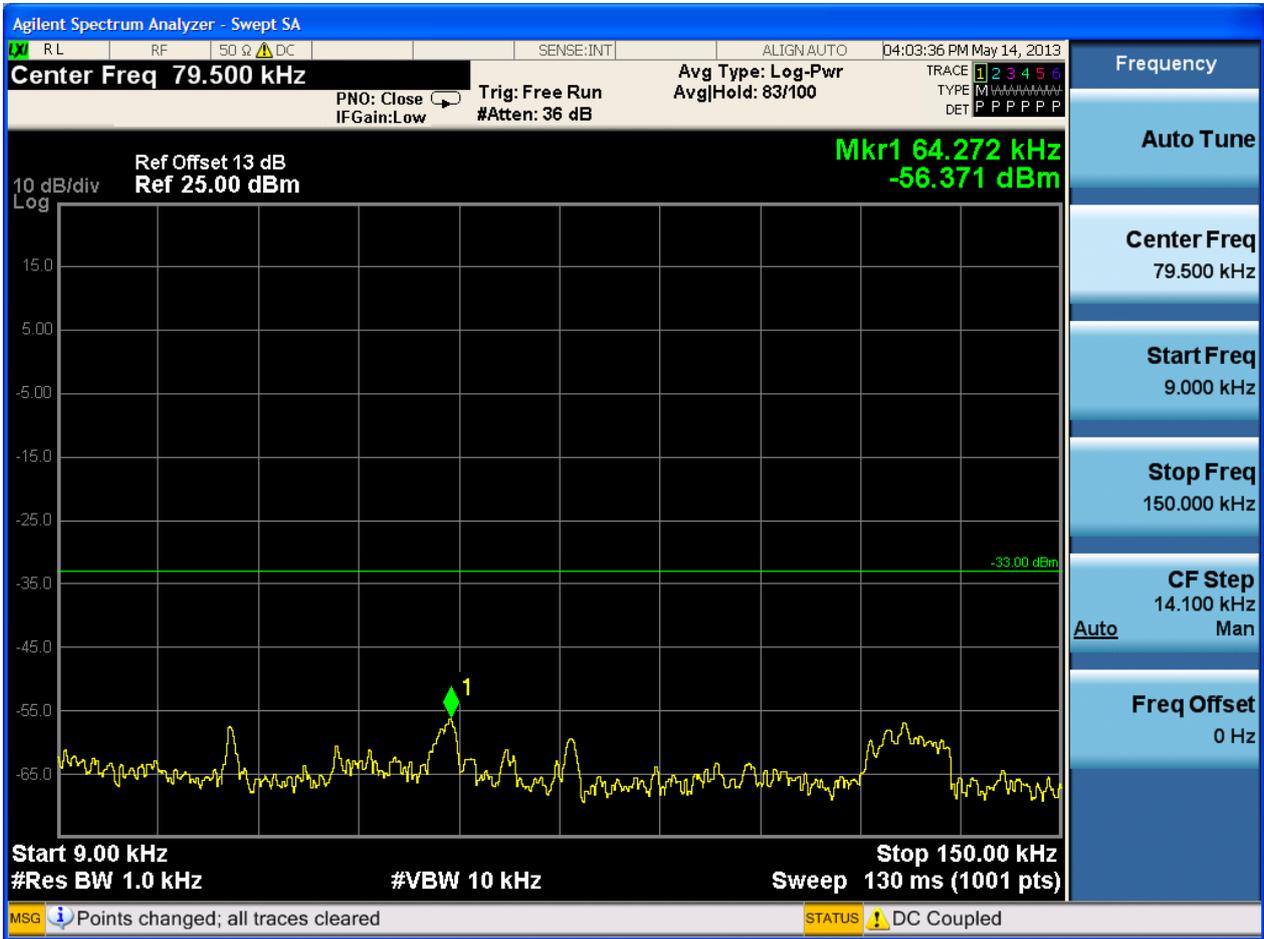


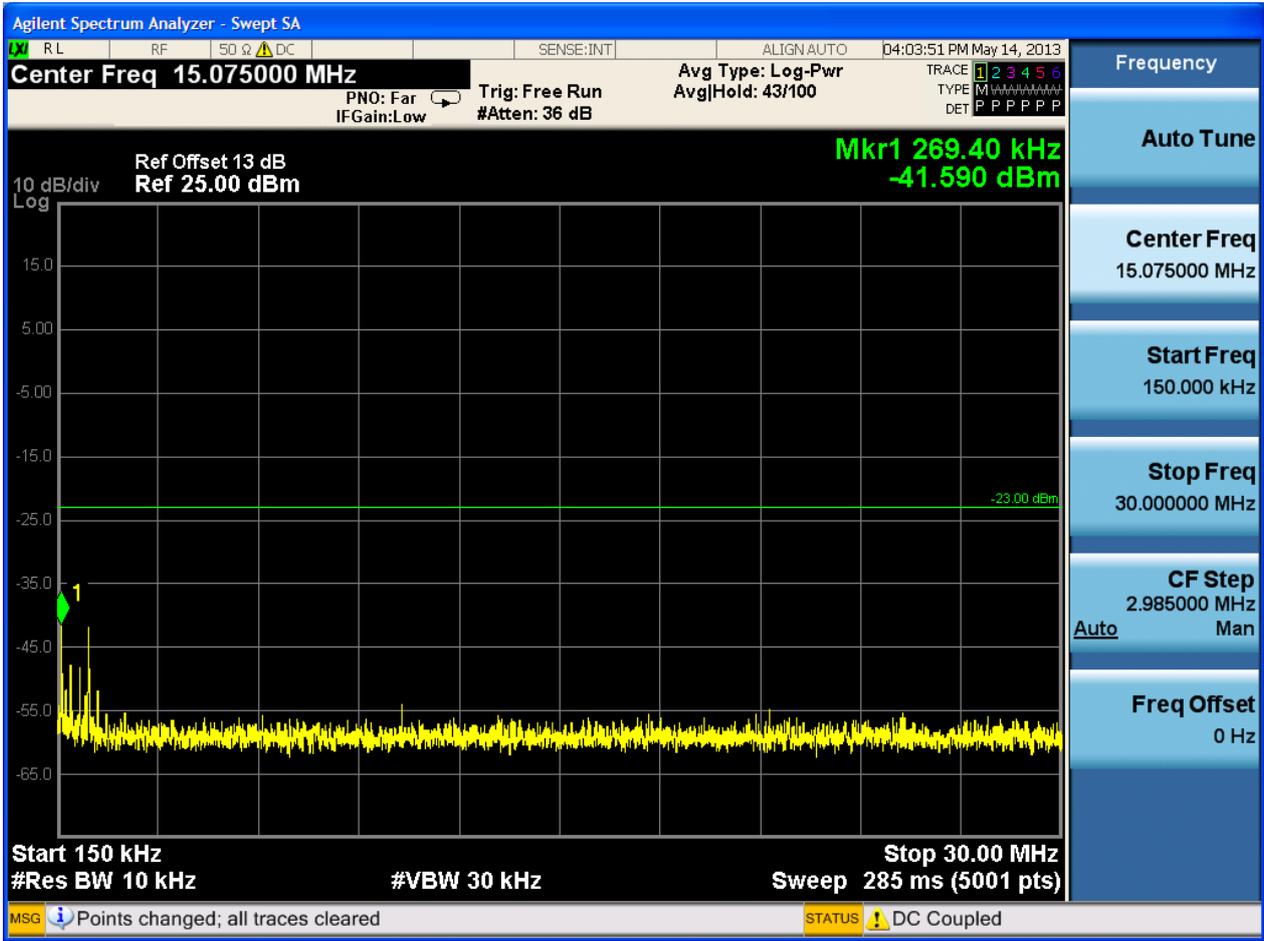


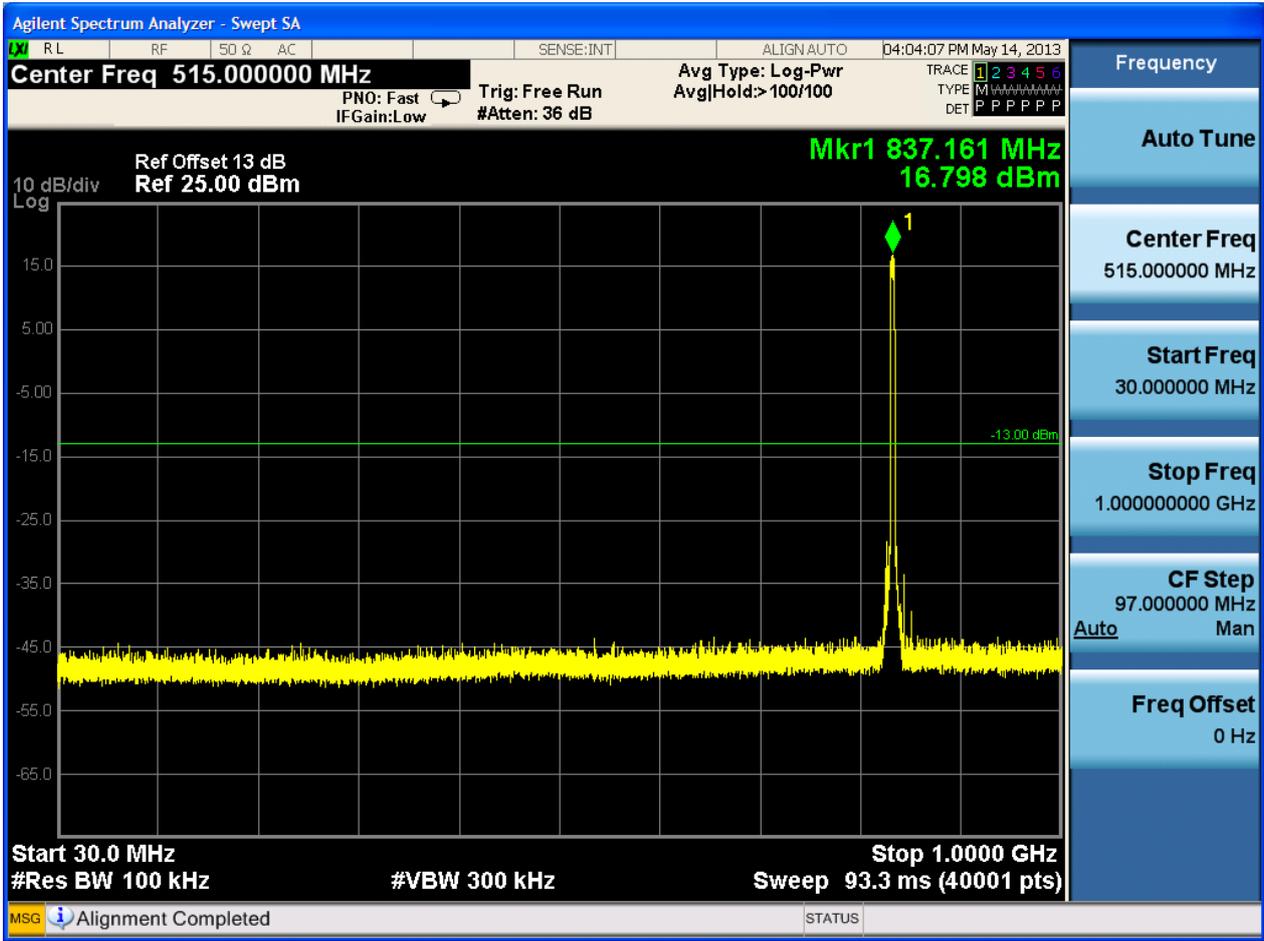


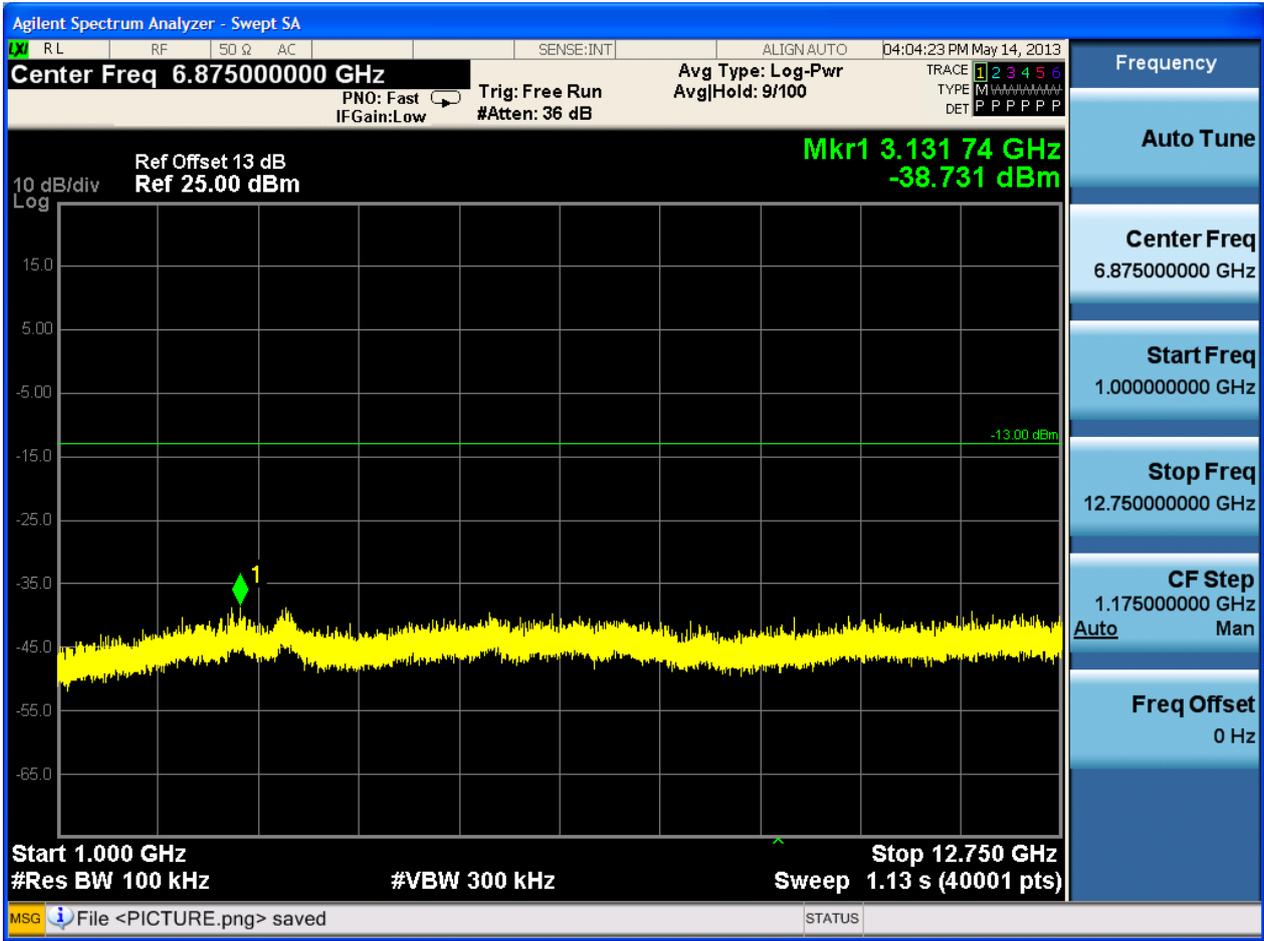


6.2.1.1.2 Test Channel = MCH



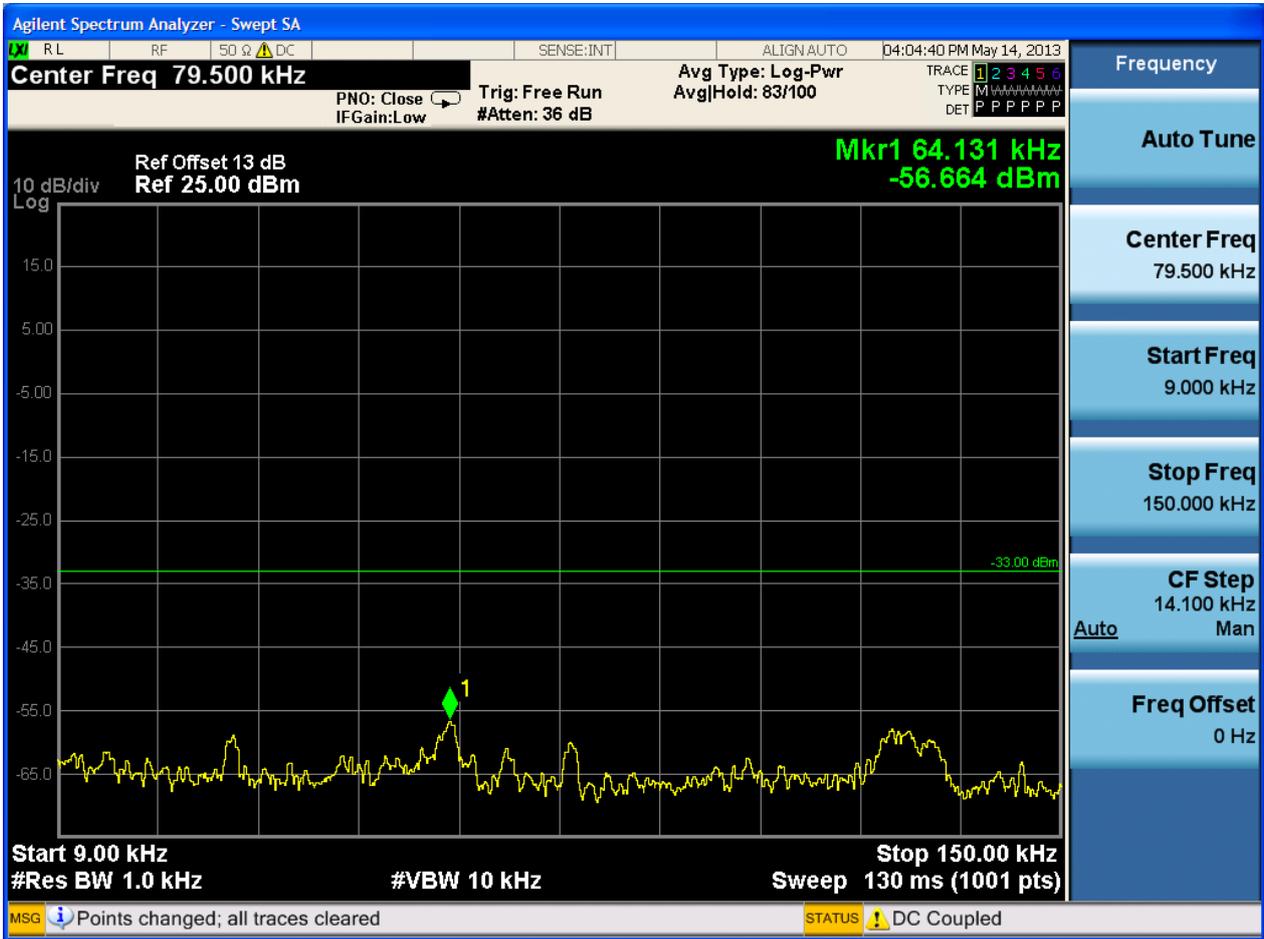


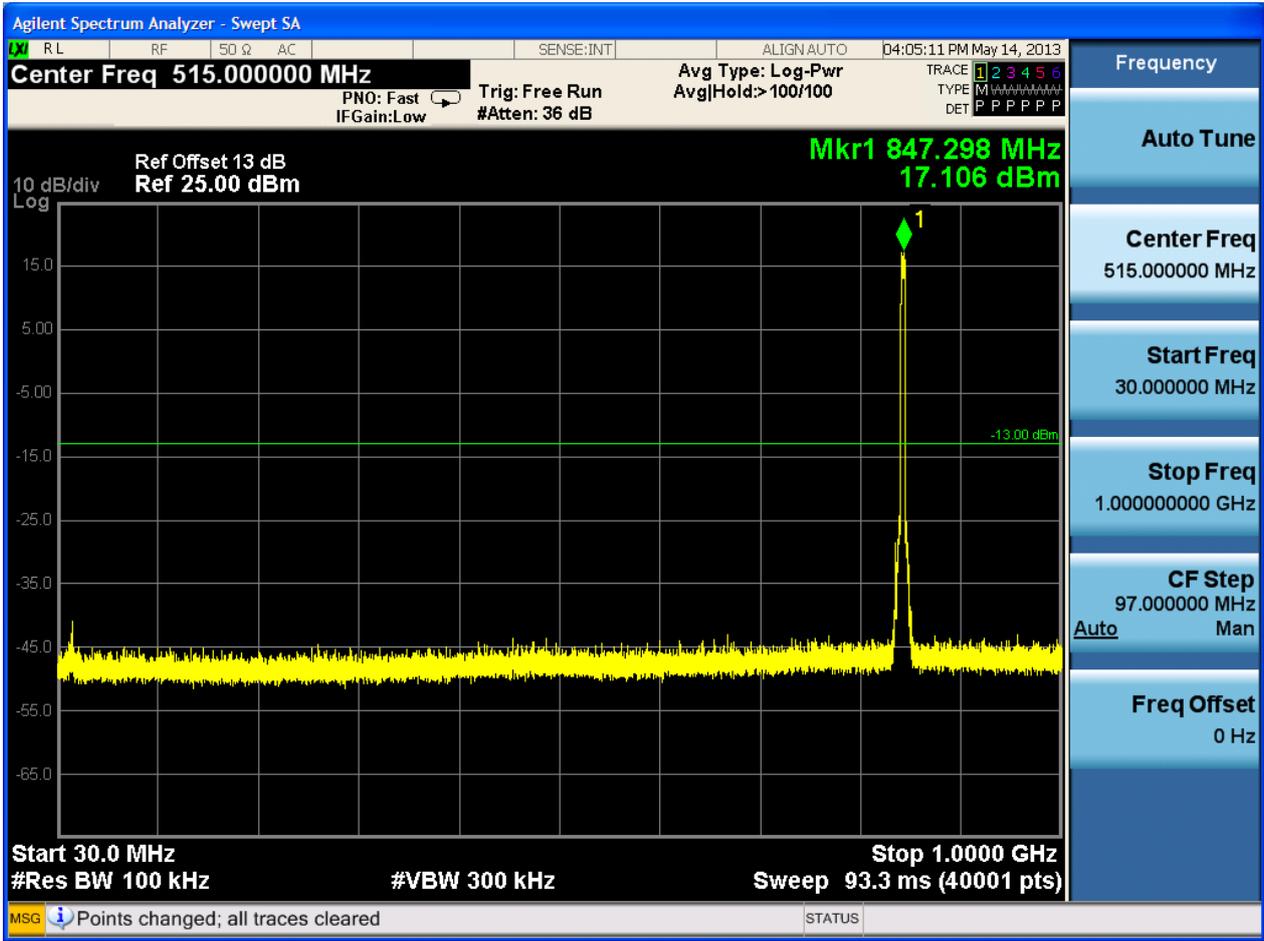


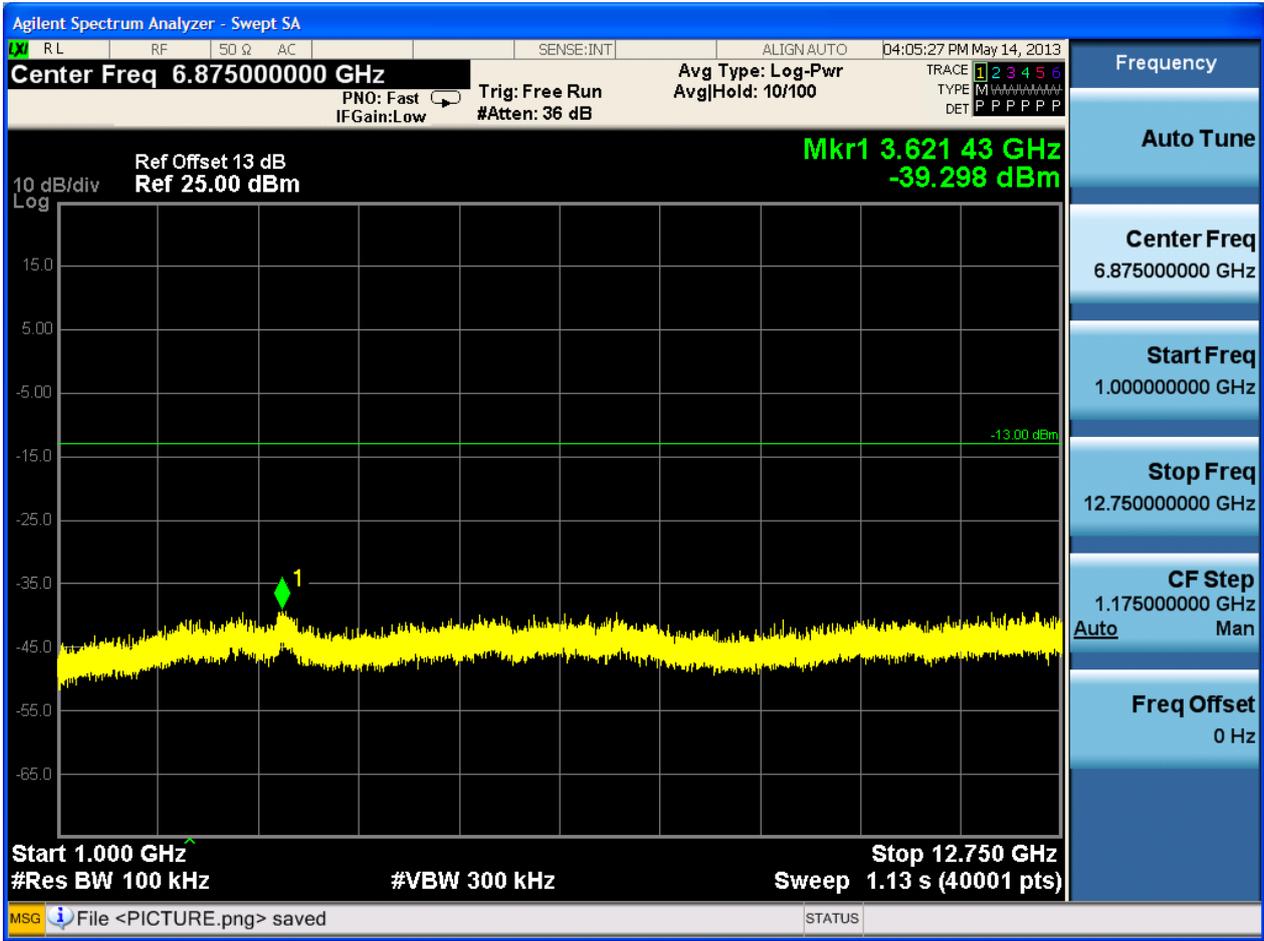




6.2.1.1.3 Test Channel = HCH





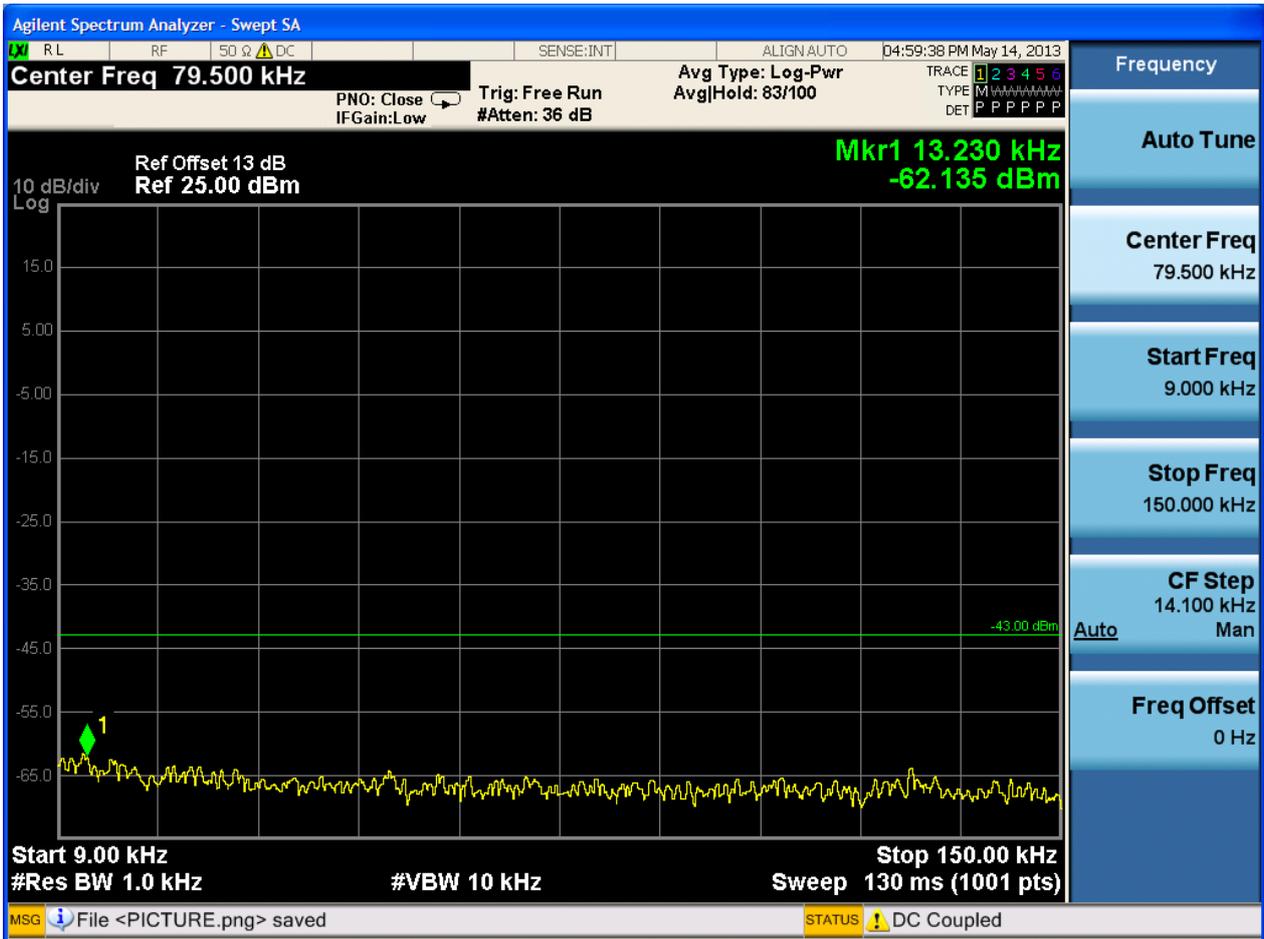


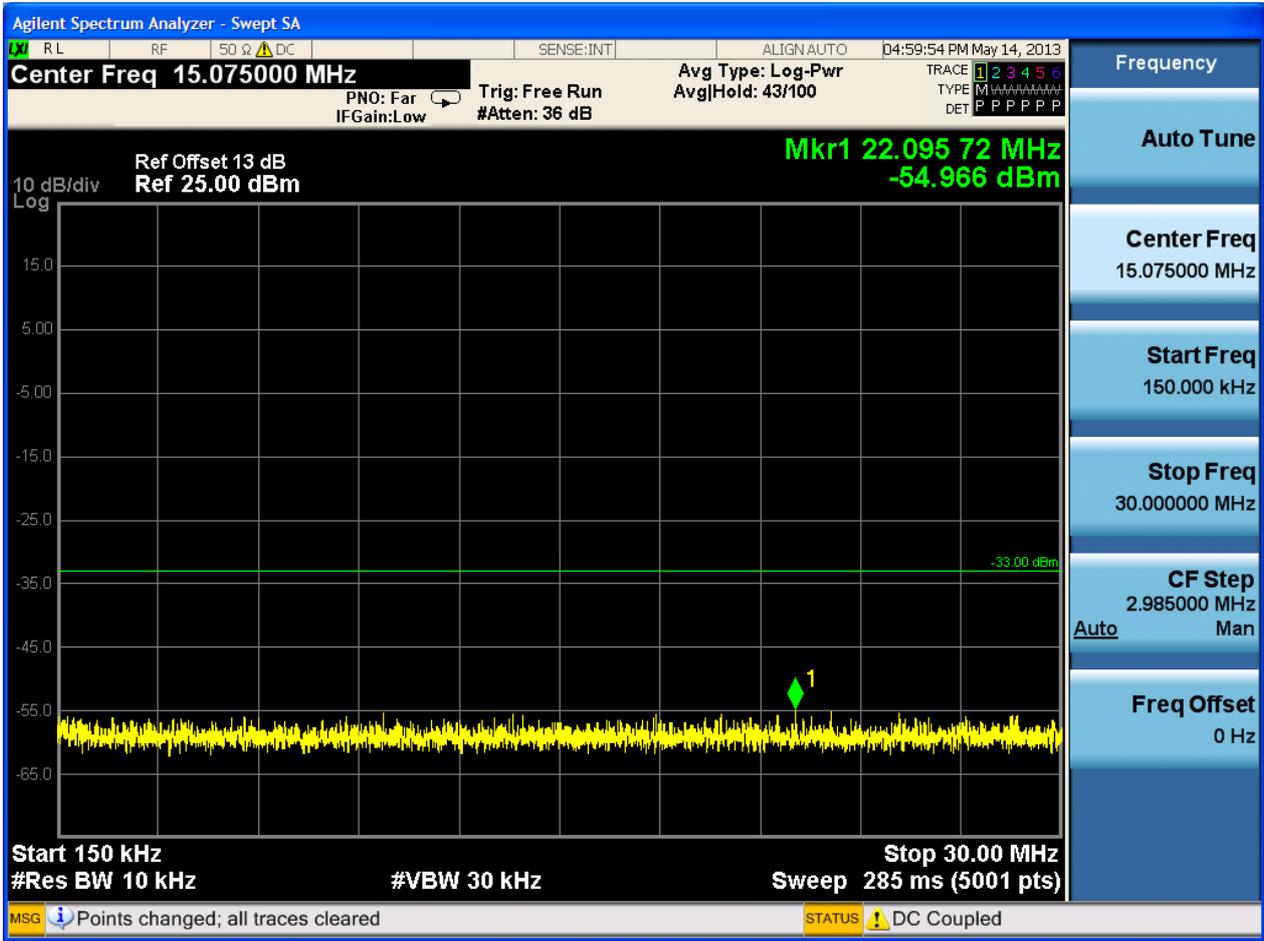


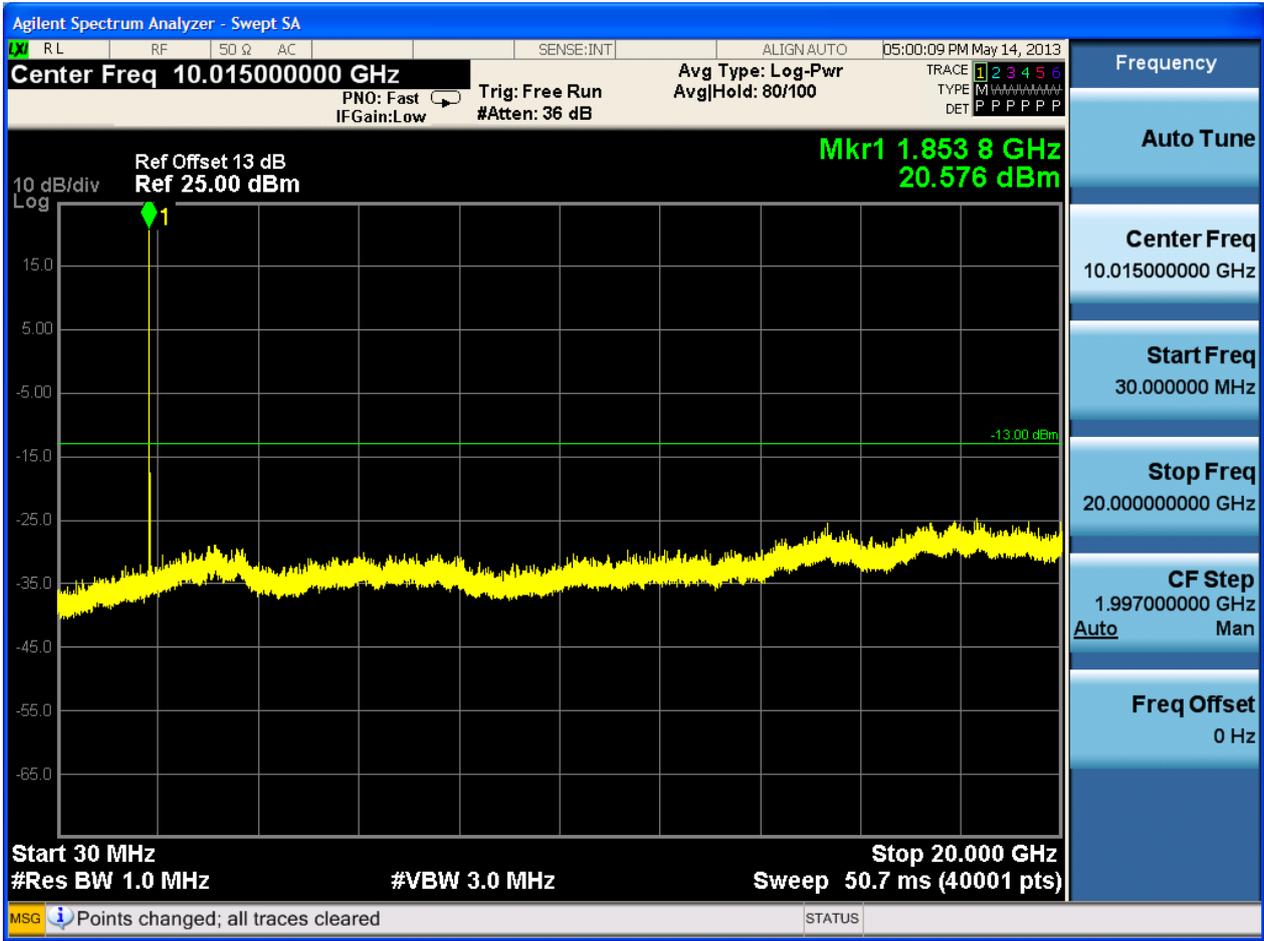
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH

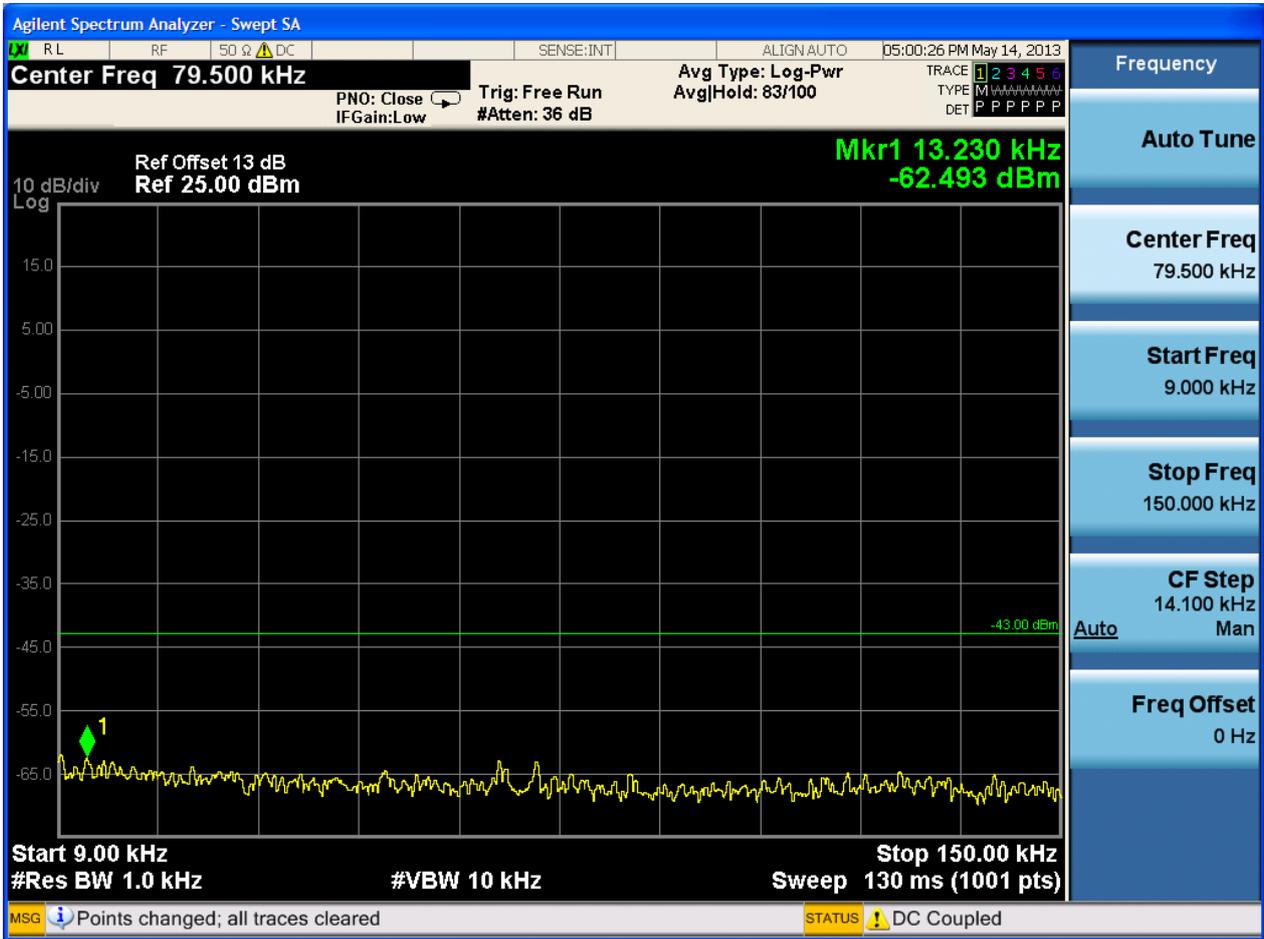


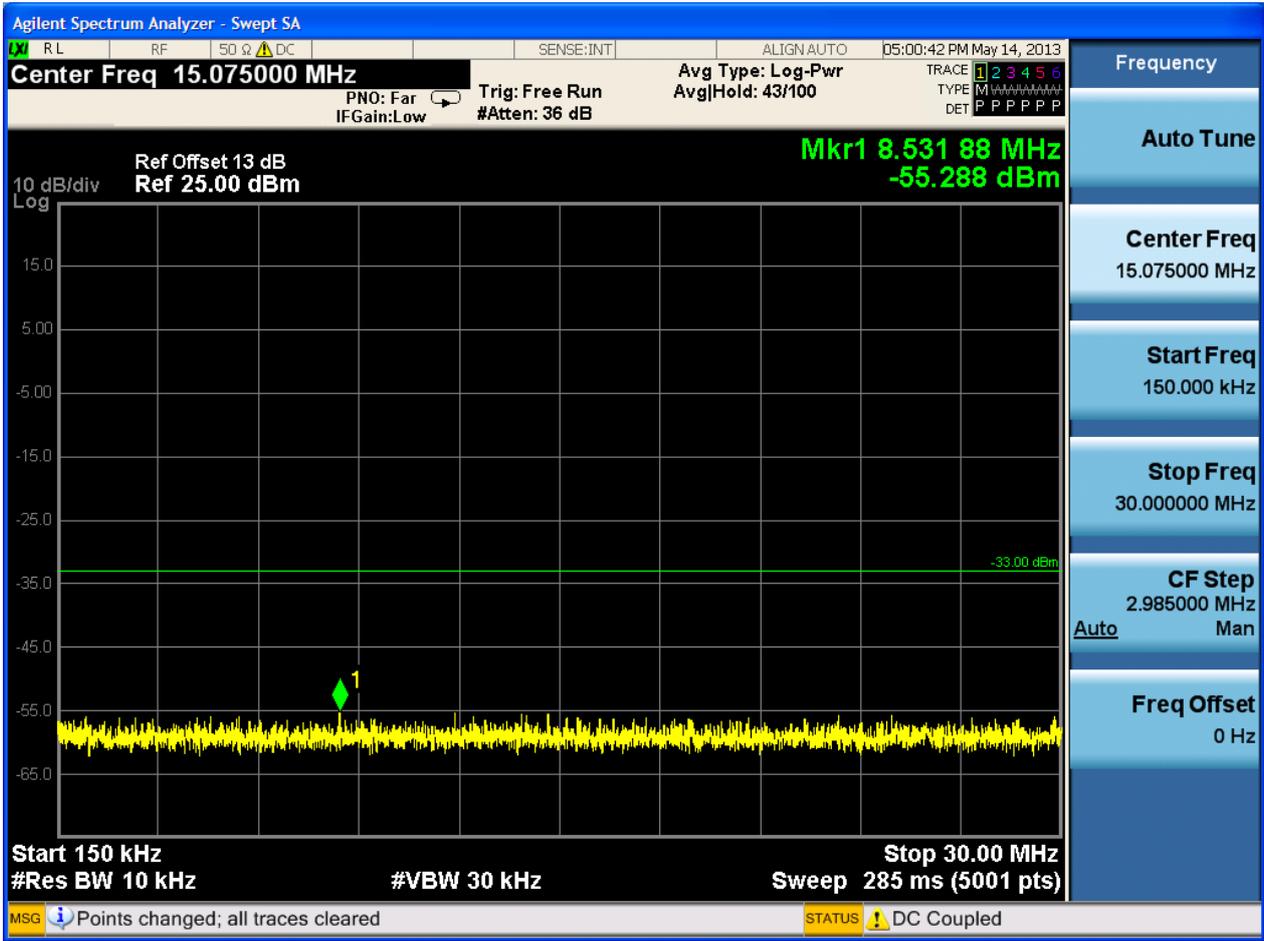






6.2.2.1.2 Test Channel = MCH

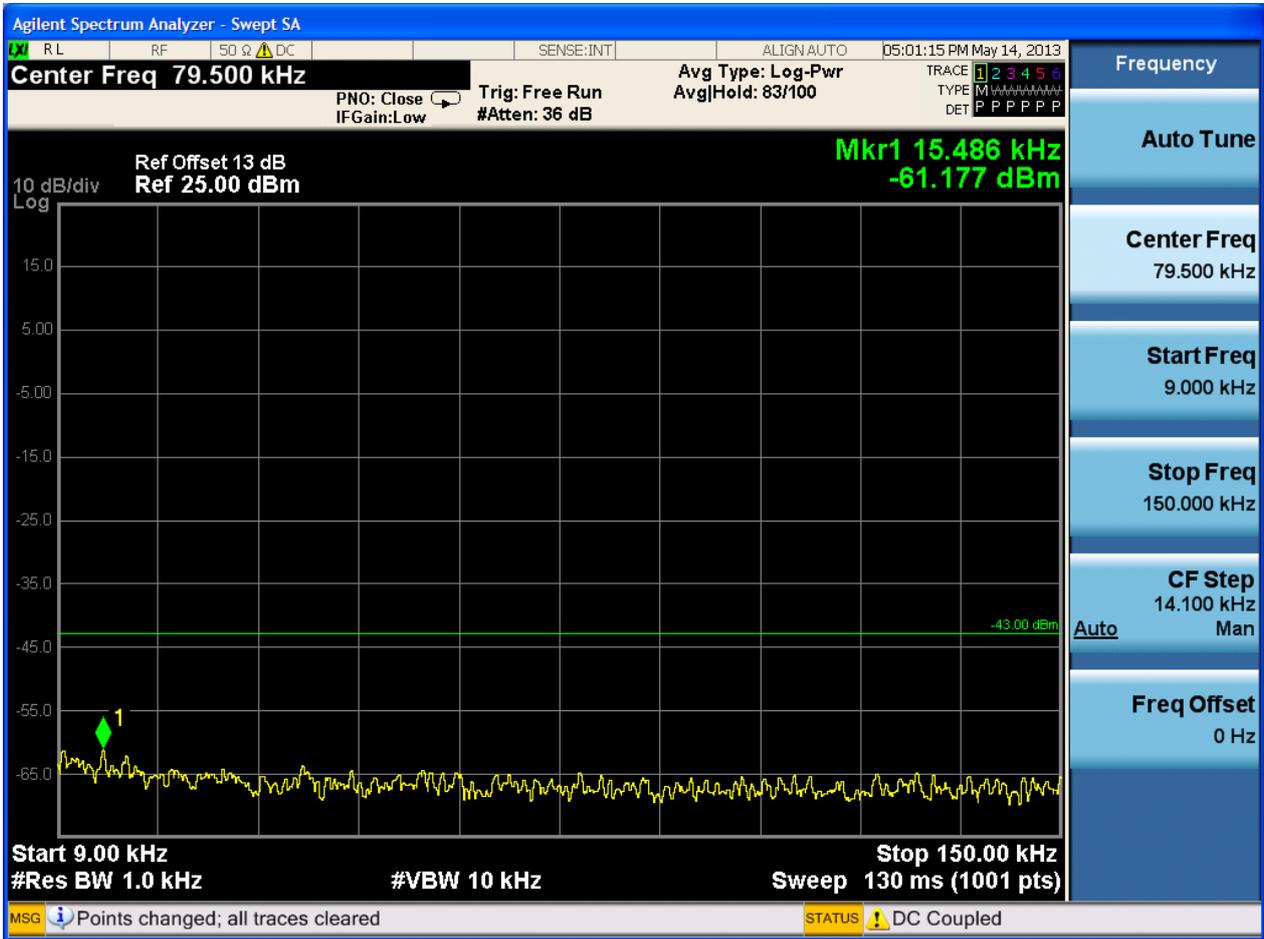


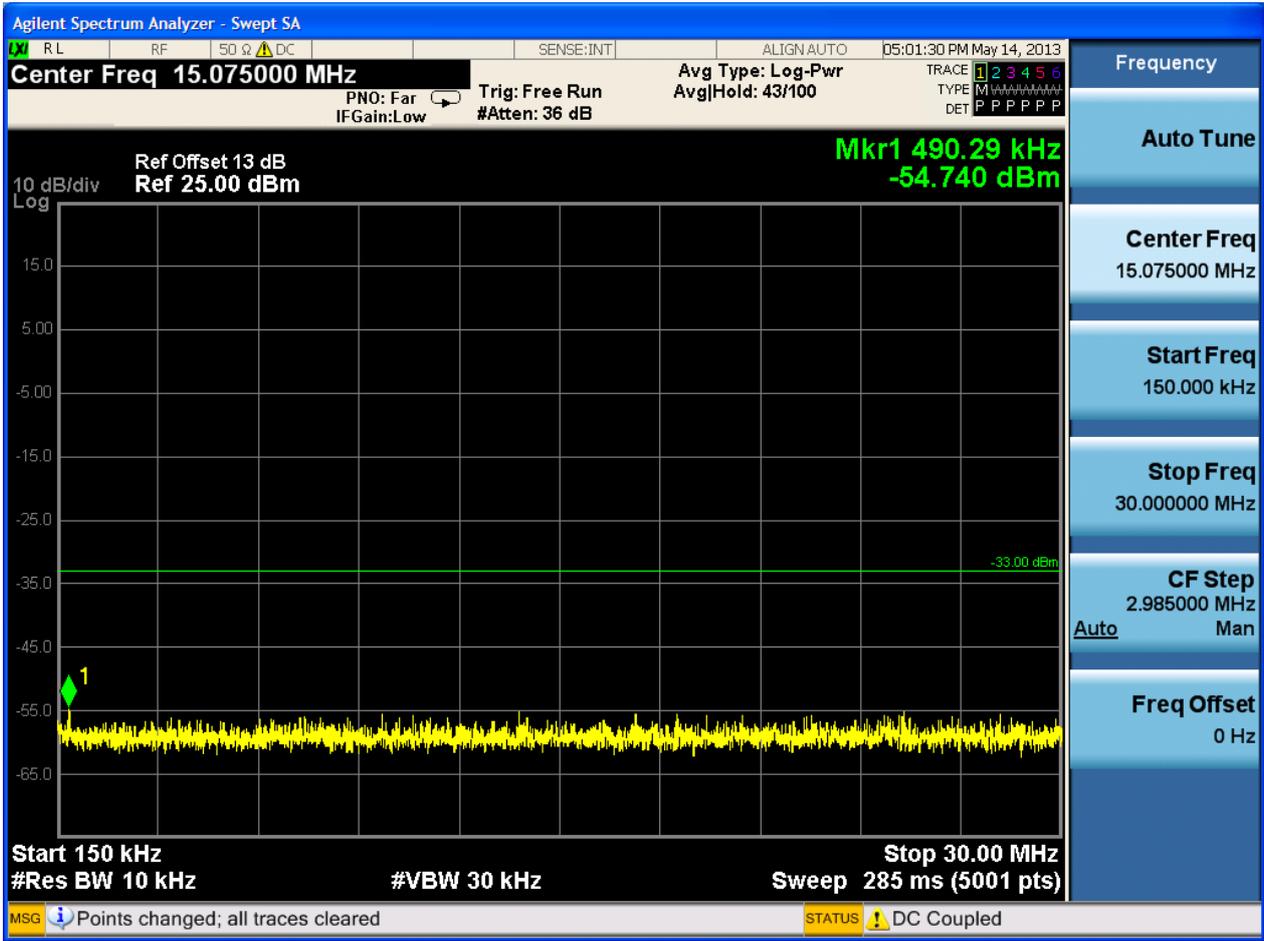


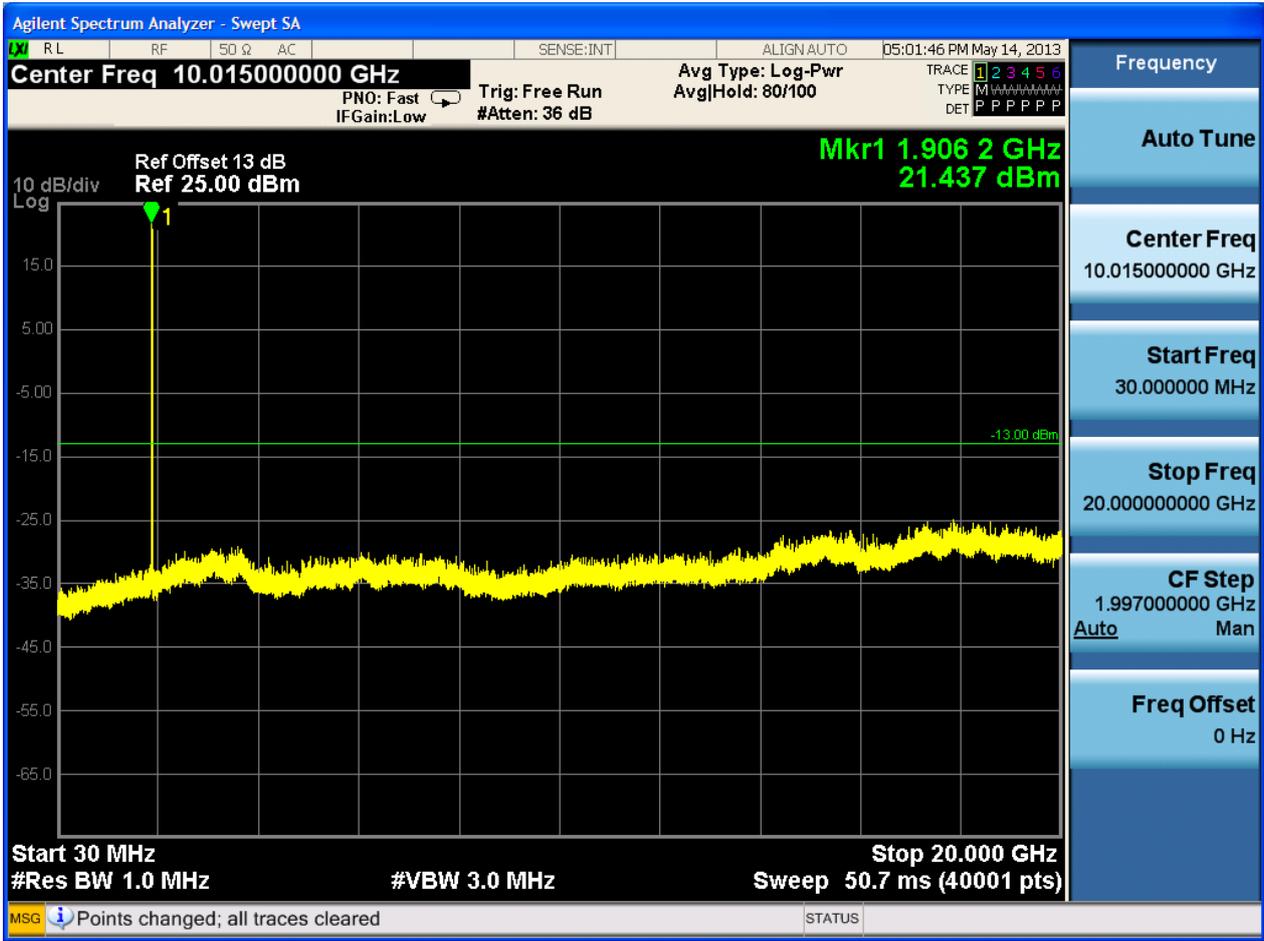




6.2.2.1.3 Test Channel = HCH







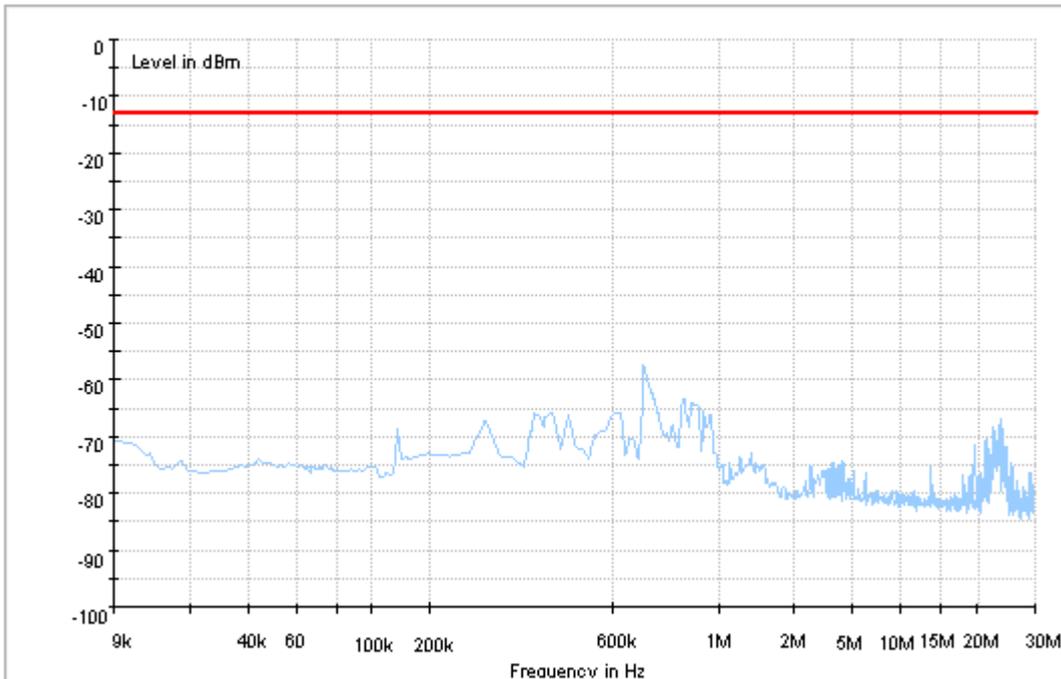
7Appendix_G: Field Strength of Spurious Radiation

Part I - Test Plots

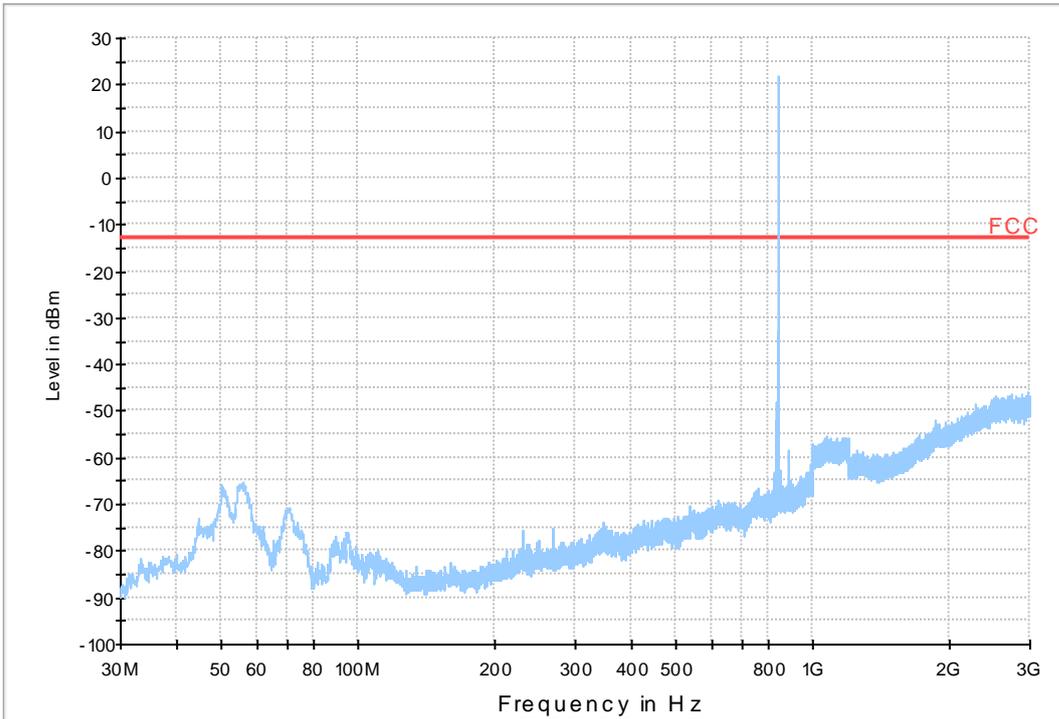
7.1 For GSM

7.1.1 Test Band = GSM850

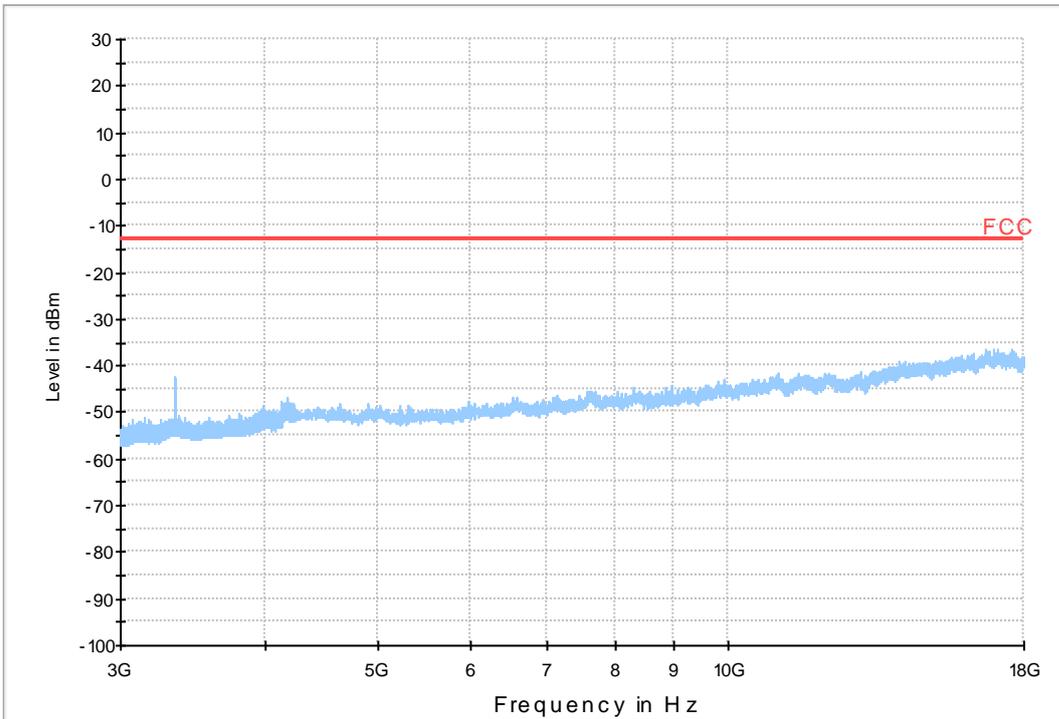
7.1.1.1 Test Mode = GSM/TM1



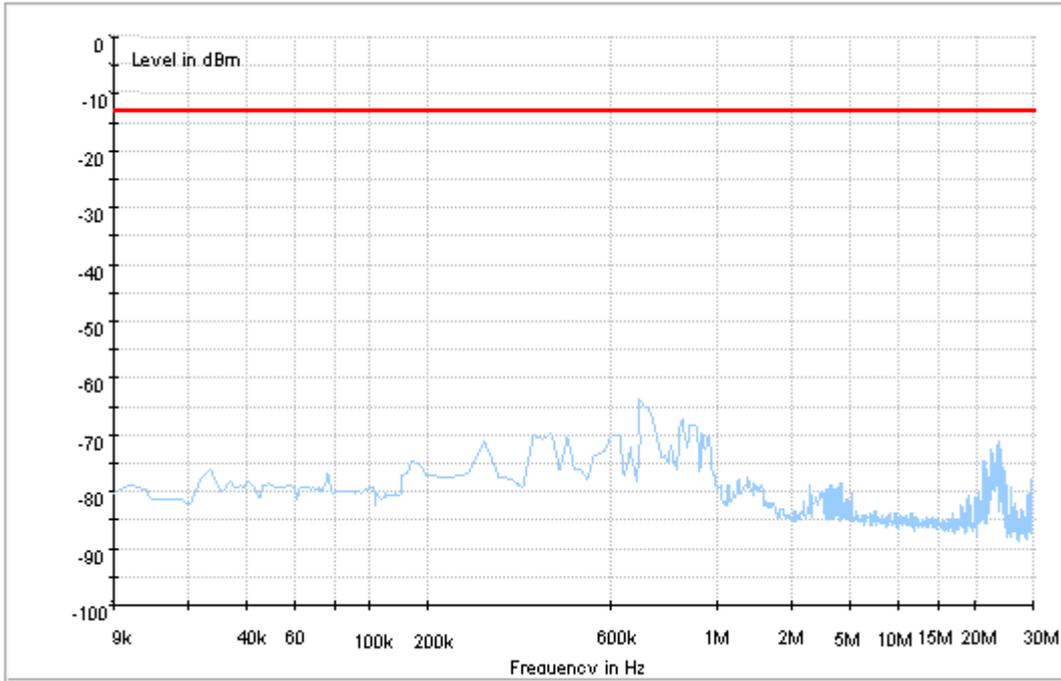
Copy of FCC PART22 GSM850_L



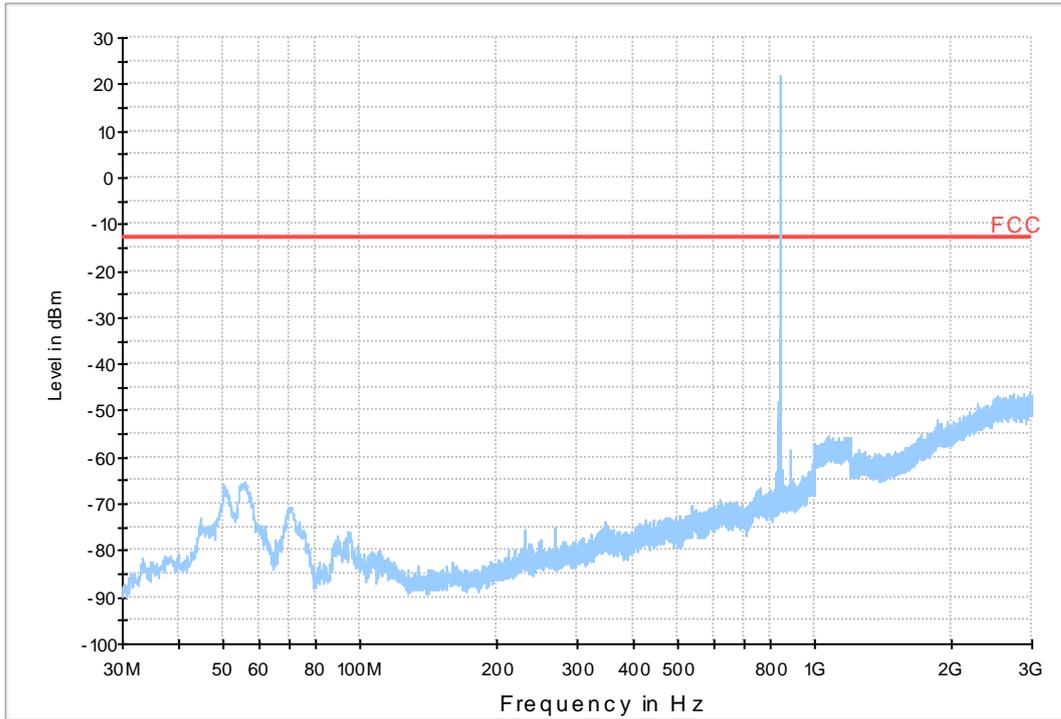
Copy of FCC PART22 GSM850_H



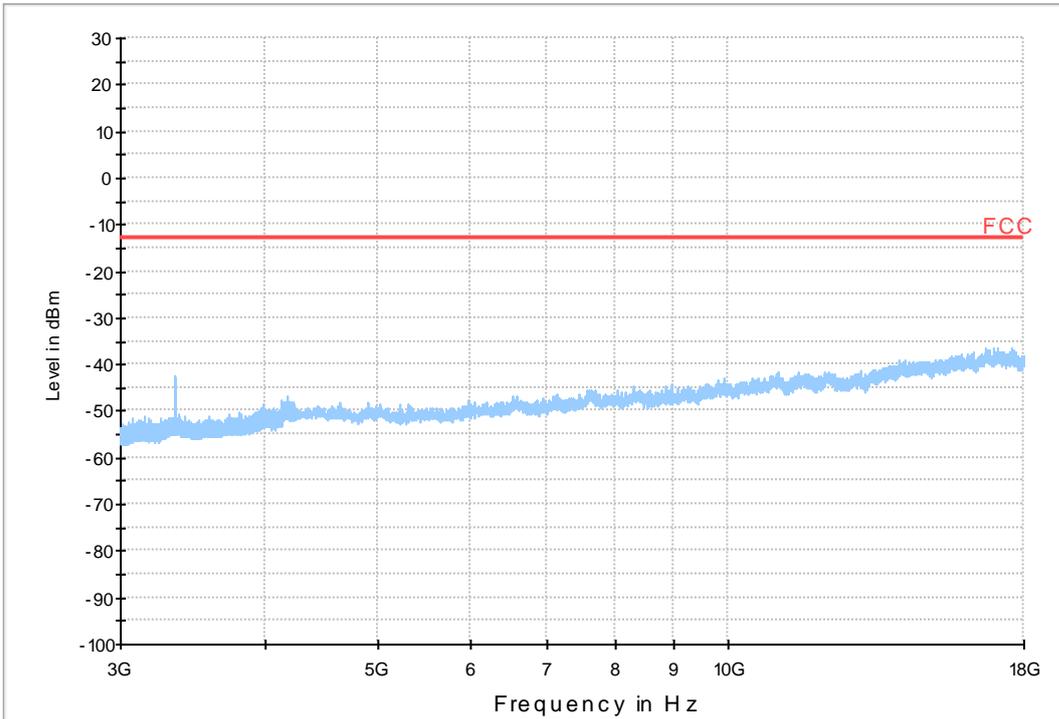
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

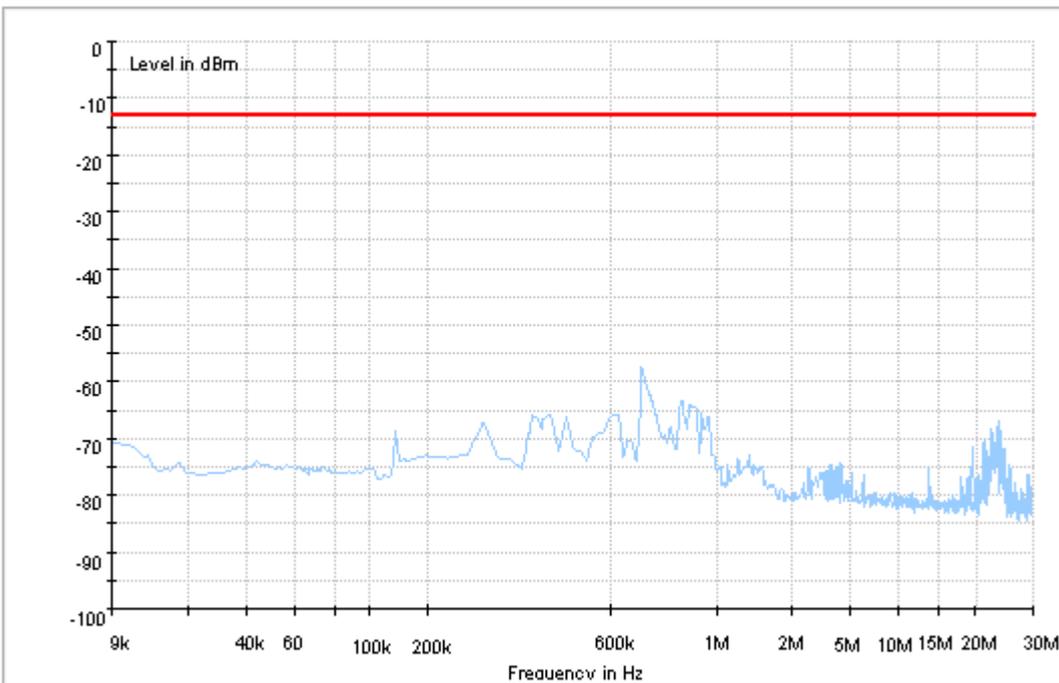


Copy of FCC PART22 GSM850_H

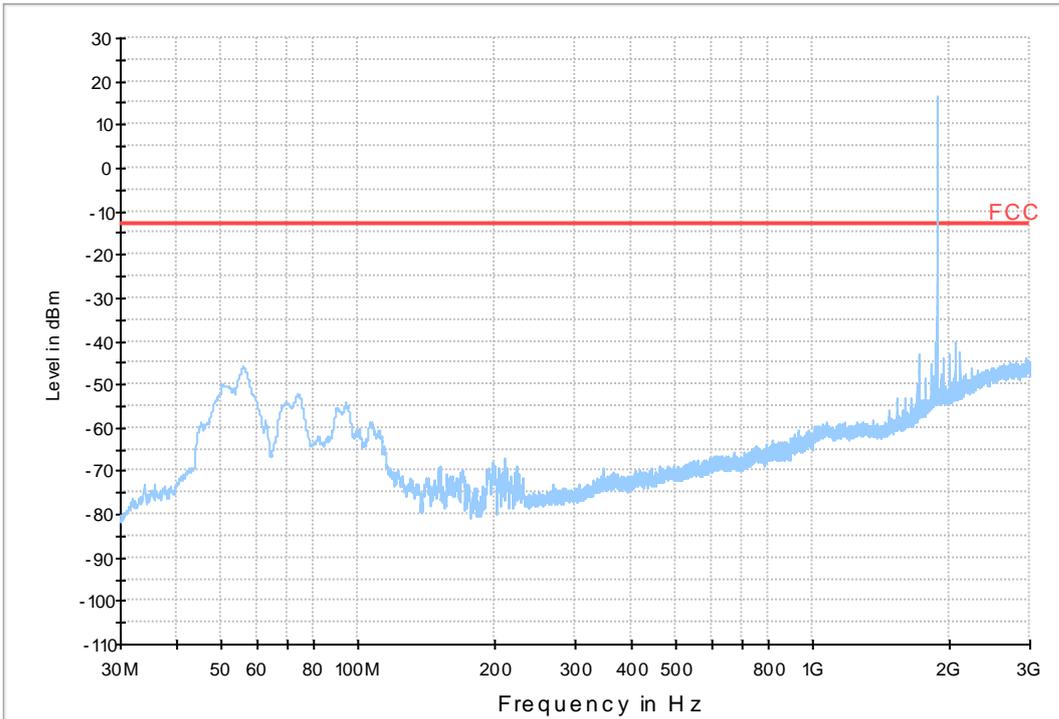


7.1.2 Test Band = GSM1900

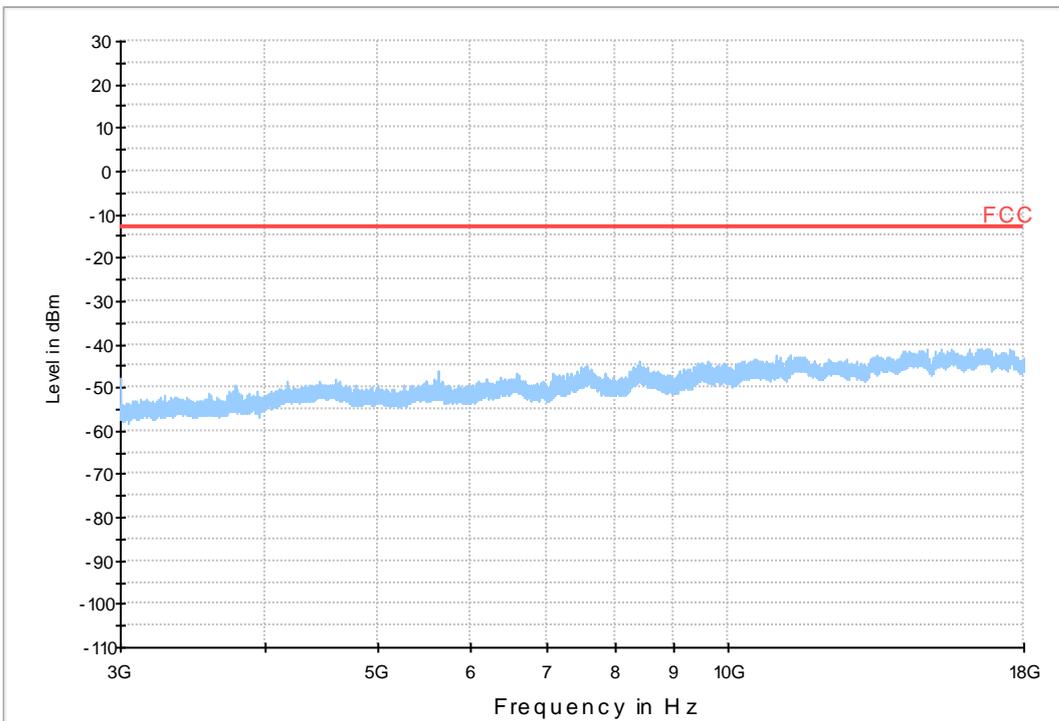
7.1.2.1 Test Mode = GSM/TM1

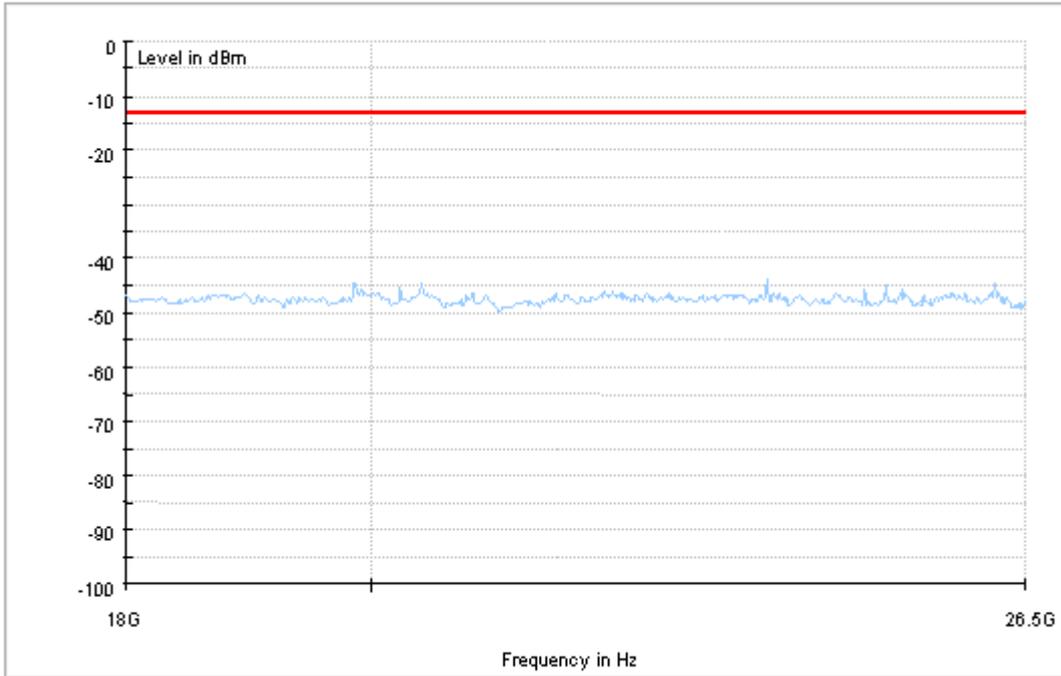


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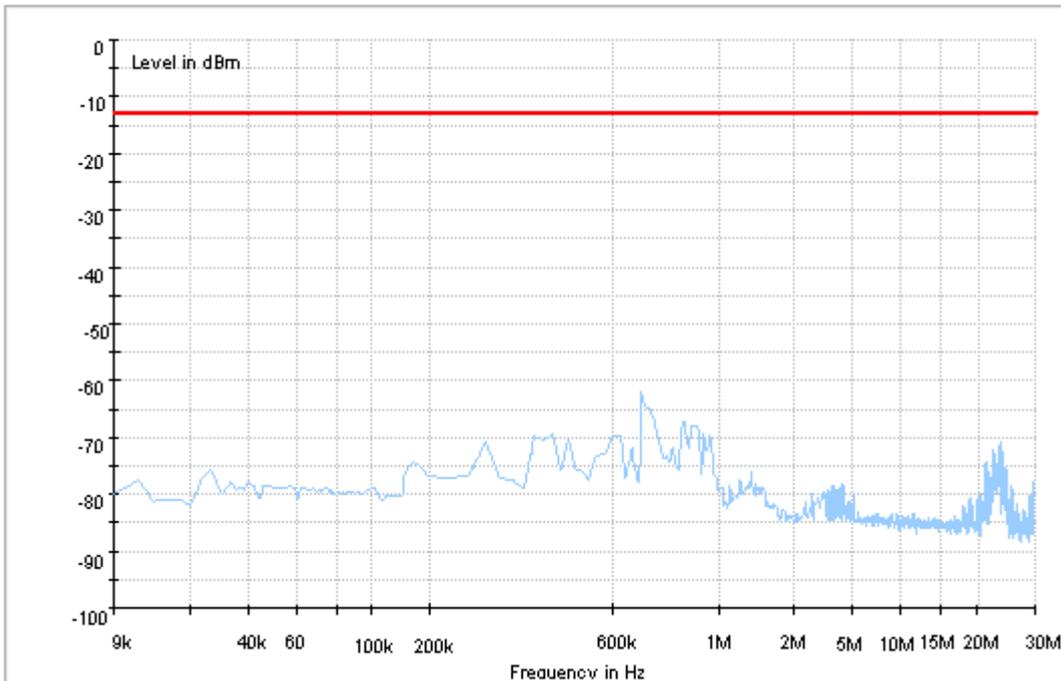


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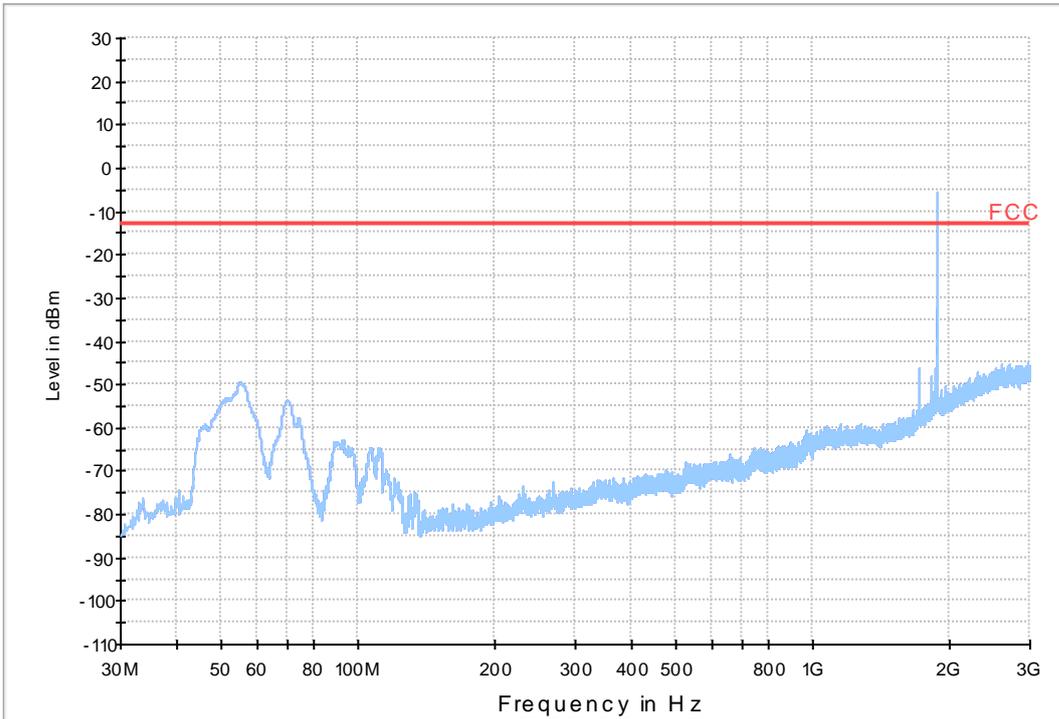




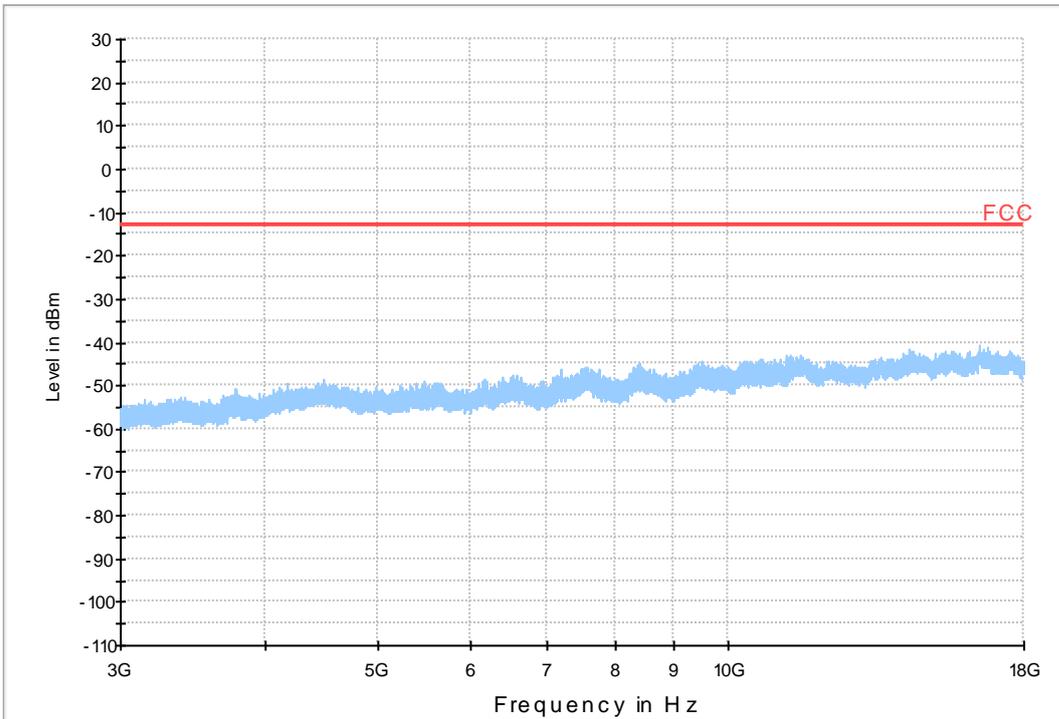
7.1.2.2 Test Mode = GSM/TM2

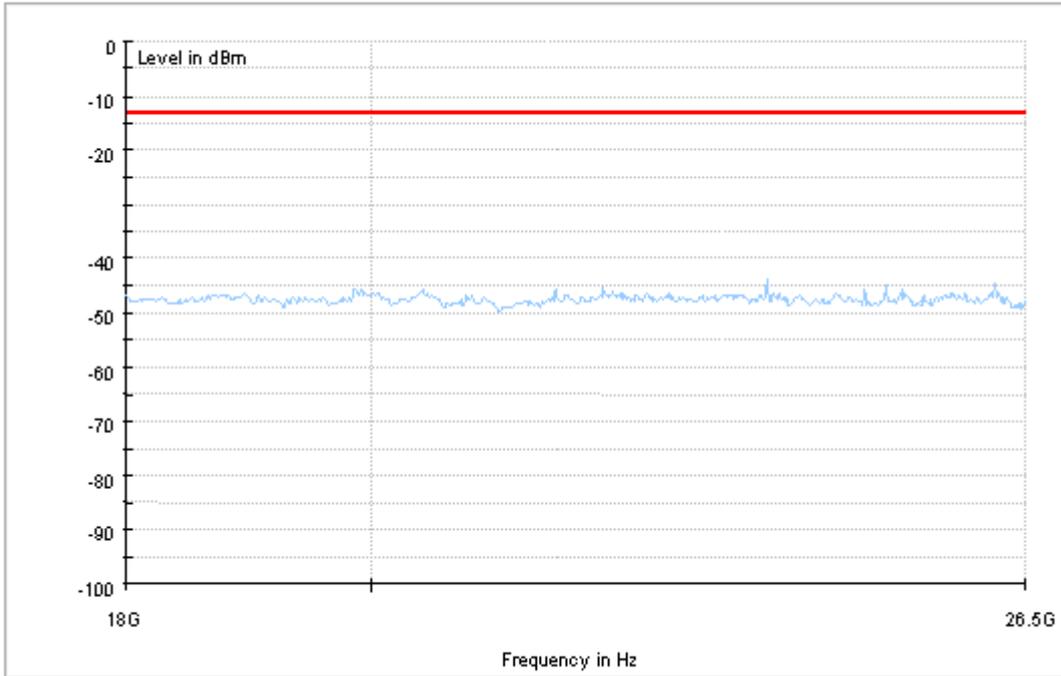


Current measurement



Copy of FCC PART24 GSM1900_H

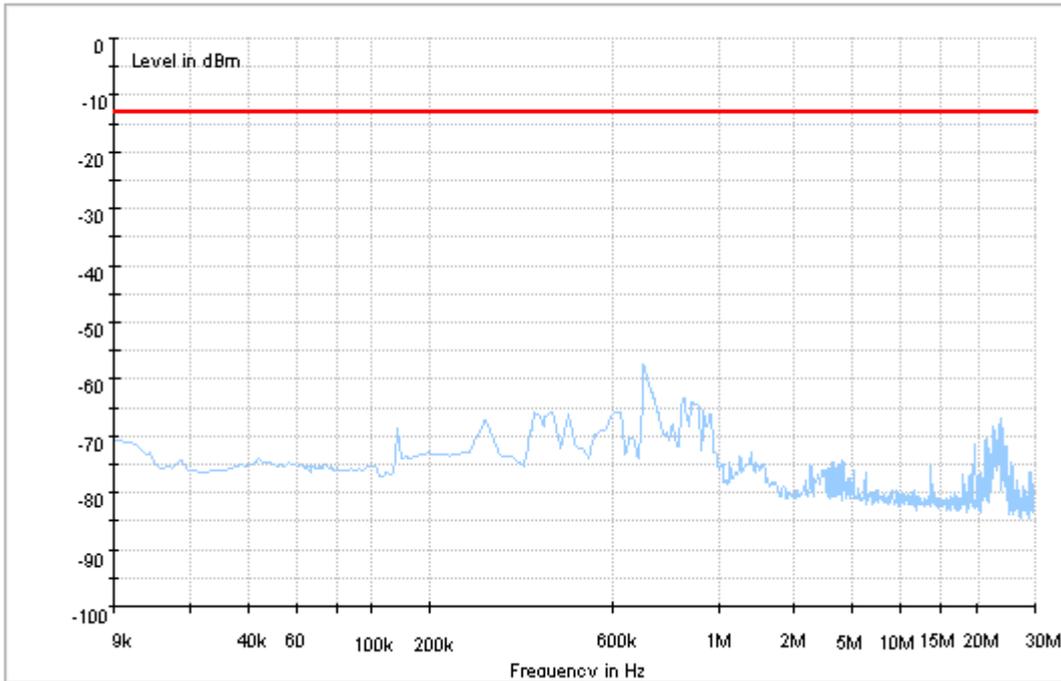




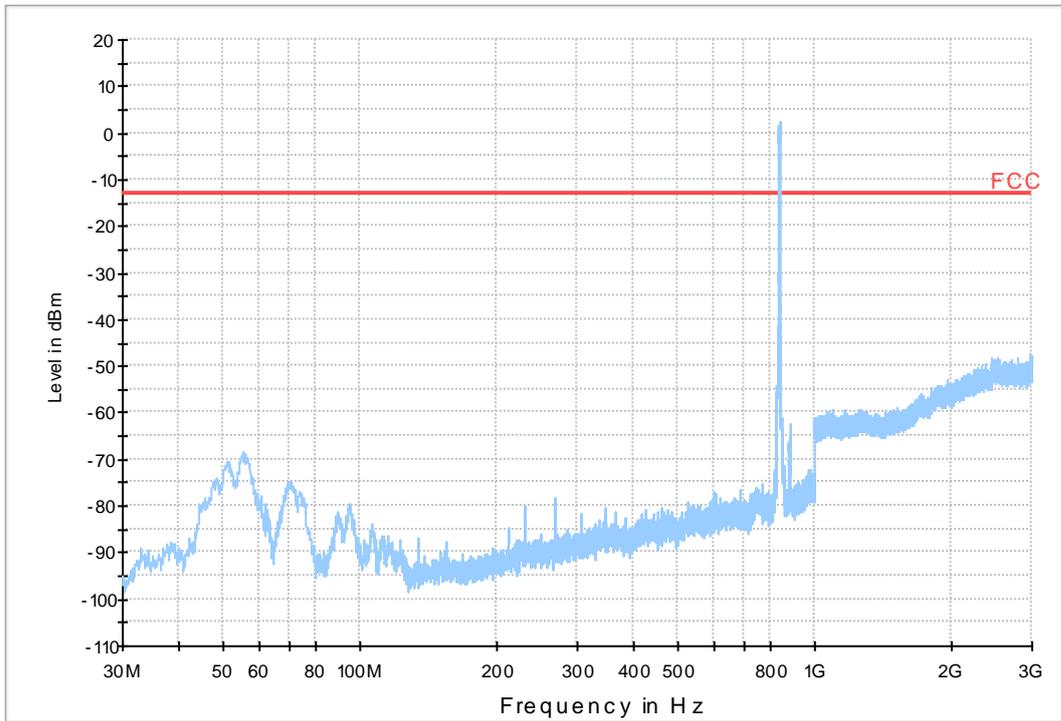
7.2 For UMTS

7.2.1 Test Band = WCDMA850

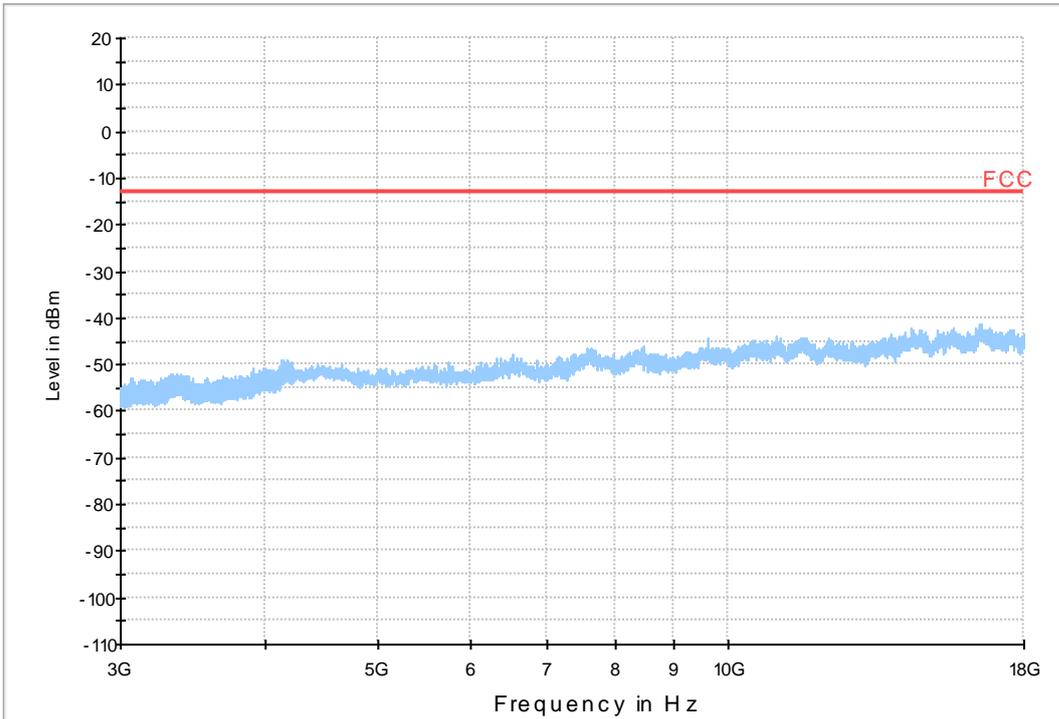
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 W CDMA850_L

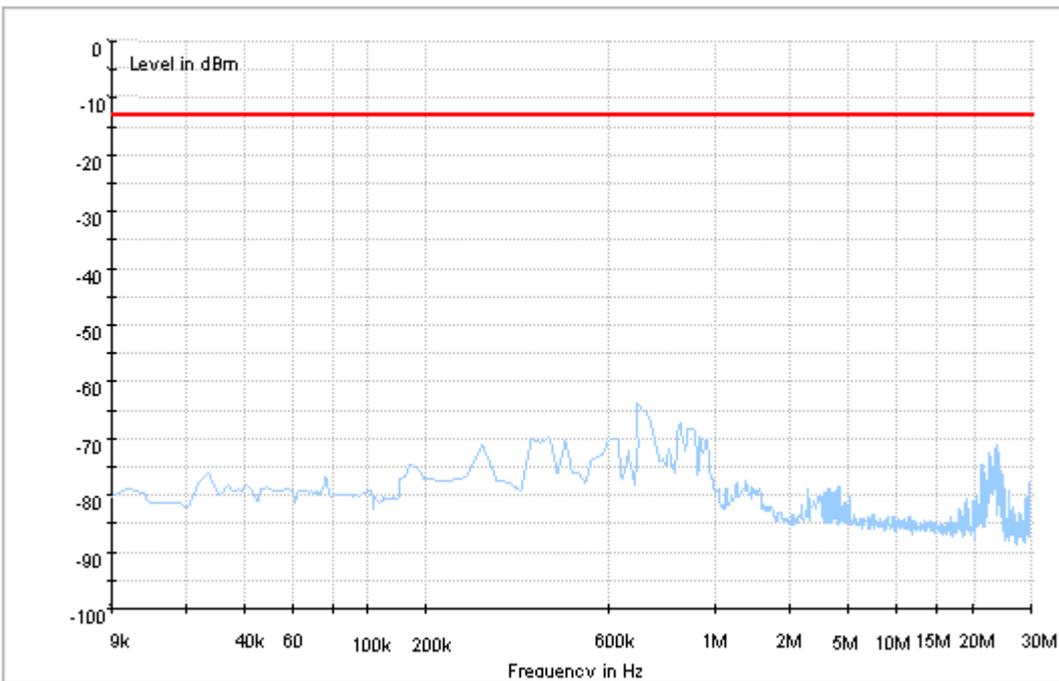


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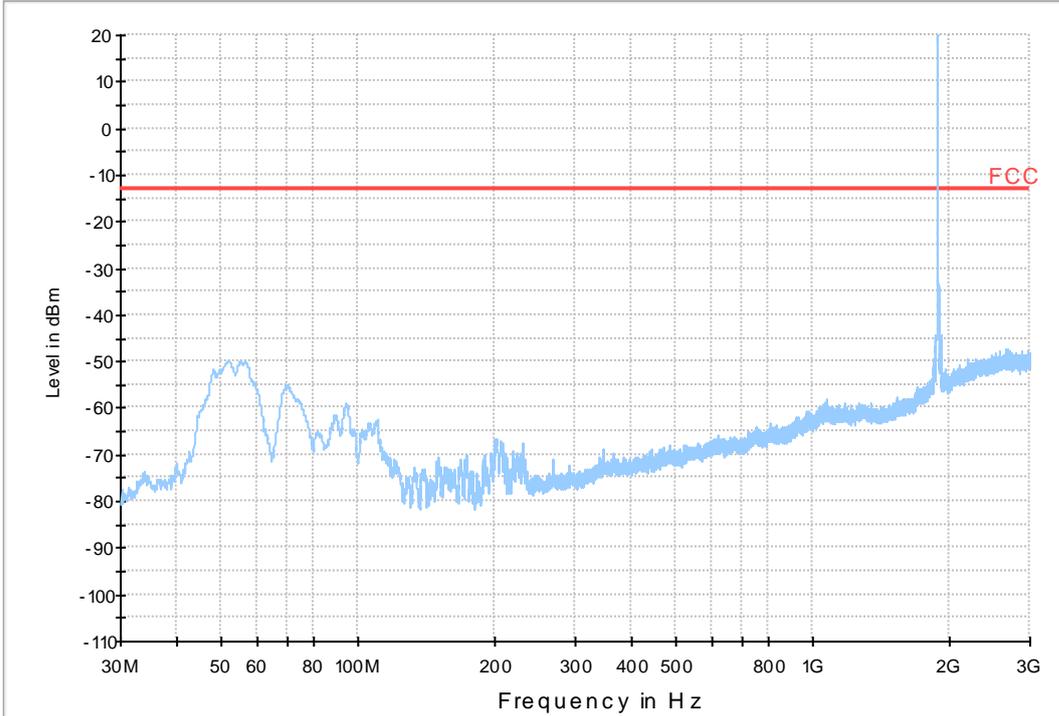


7.2.2 Test Band = WCDMA1900

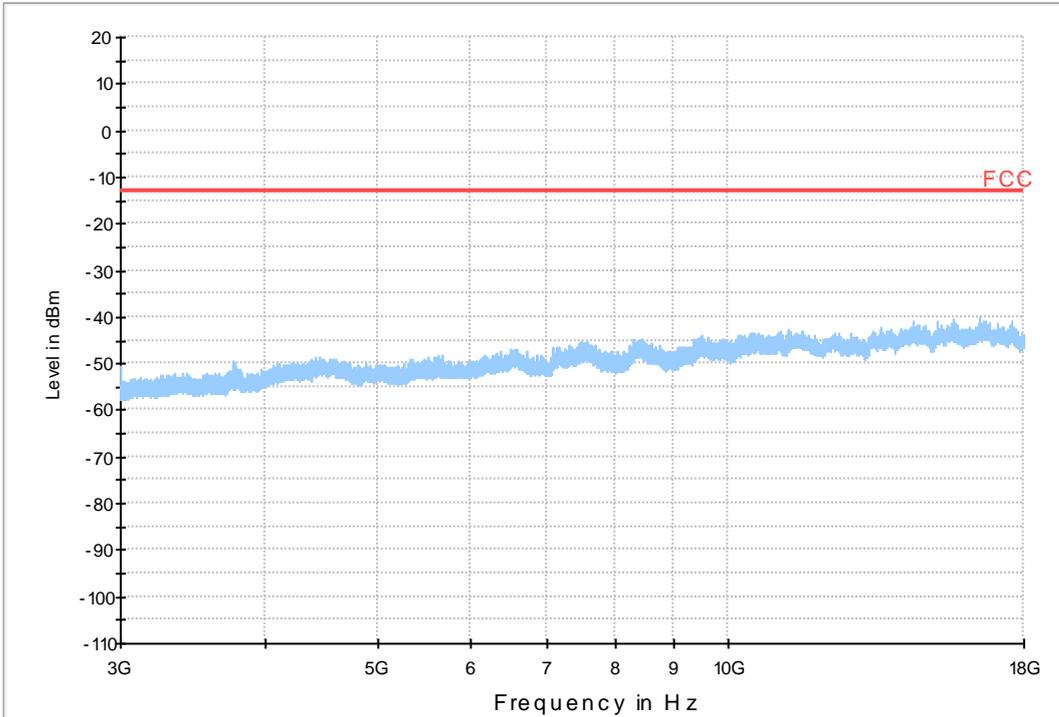
7.2.2.1 Test Mode = UMTS/TM1

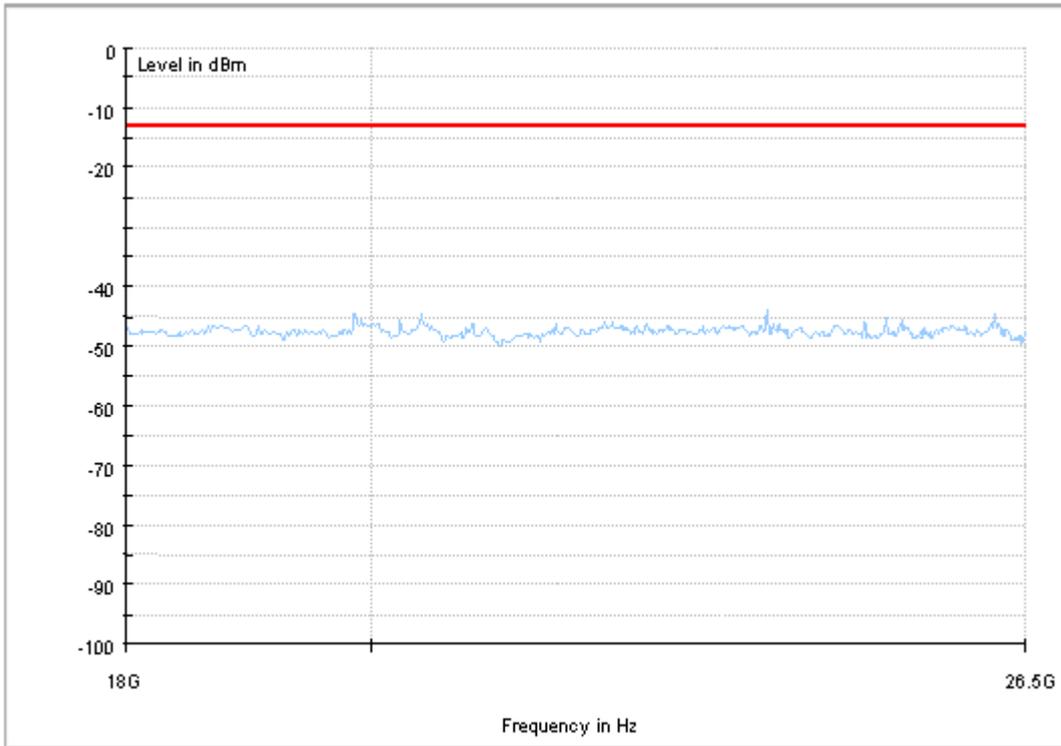


Copy of FCC PART24 CDMA1900_L



Copy of FCC PART24 W CDMA1900_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	-13.82	-0.01677	±2.5	PASS
				VN	-14.14	-0.01716	±2.5	PASS
				VH	-14.53	-0.01763	±2.5	PASS
		MCH	TN	VL	-13.37	-0.01598	±2.5	PASS
				VN	-14.53	-0.01737	±2.5	PASS
				VH	-17.76	-0.02123	±2.5	PASS
		HCH	TN	VL	-8.59	-0.01012	±2.5	PASS
				VN	-13.43	-0.01582	±2.5	PASS
				VH	-8.52	-0.01004	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-7.91	-0.0096	±2.5	PASS
				VN	-8.01	-0.00972	±2.5	PASS
				VH	-9.10	-0.01104	±2.5	PASS
		MCH	TN	VL	-6.65	-0.00795	±2.5	PASS
				VN	-5.42	-0.00648	±2.5	PASS
				VH	-4.04	-0.00483	±2.5	PASS
		HCH	TN	VL	-6.49	-0.00765	±2.5	PASS
				VN	-9.49	-0.01118	±2.5	PASS
				VH	-5.65	-0.00666	±2.5	PASS
GSM1900	GSM/TM1	LCH	TN	VL	22.47	0.01214	±2.5	PASS
				VN	26.80	0.01448	±2.5	PASS
				VH	24.73	0.01337	±2.5	PASS
		MCH	TN	VL	13.69	0.00728	±2.5	PASS
				VN	13.37	0.00711	±2.5	PASS
				VH	14.33	0.00762	±2.5	PASS
	HCH	TN	VL	-11.24	-0.00589	±2.5	PASS	
			VN	-18.66	-0.00977	±2.5	PASS	
			VH	-11.36	-0.00595	±2.5	PASS	
	GSM/TM2	LCH	TN	VL	38.94	0.02105	±2.5	PASS
				VN	39.29	0.02124	±2.5	PASS
				VH	38.13	0.02061	±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	38.42	0.02044	±2.5	PASS
				VN	37.68	0.02004	±2.5	PASS
				VH	36.81	0.01958	±2.5	PASS
		HCH	TN	VL	22.63	0.01185	±2.5	PASS
				VN	30.15	0.01579	±2.5	PASS
				VH	24.67	0.01292	±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	-8.27	-0.01003	±2.5	PASS	
				-20	-11.62	-0.0141	±2.5	PASS	
				-10	-14.59	-0.0177	±2.5	PASS	
				0	-17.11	-0.02076	±2.5	PASS	
				10	-7.04	-0.00854	±2.5	PASS	
				20	-8.59	-0.01042	±2.5	PASS	
				30	-1.87	-0.00227	±2.5	PASS	
				40	-8.91	-0.01081	±2.5	PASS	
				50	-9.43	-0.01144	±2.5	PASS	
		MCH	VN	-30	-8.85	-0.01058	±2.5	PASS	
				-20	-7.23	-0.00864	±2.5	PASS	
				-10	-7.17	-0.00857	±2.5	PASS	
				0	-8.14	-0.00973	±2.5	PASS	
				10	-8.46	-0.01011	±2.5	PASS	
				20	-10.72	-0.01281	±2.5	PASS	
				30	-10.01	-0.01197	±2.5	PASS	
				40	-11.30	-0.01351	±2.5	PASS	
				50	-12.98	-0.01552	±2.5	PASS	
		HCH	VN	-30	-9.30	-0.01096	±2.5	PASS	
				-20	-11.69	-0.01377	±2.5	PASS	
				-10	-11.56	-0.01362	±2.5	PASS	
				0	-16.01	-0.01886	±2.5	PASS	
				10	-13.75	-0.0162	±2.5	PASS	
				20	-10.01	-0.01179	±2.5	PASS	
				30	-13.50	-0.0159	±2.5	PASS	
				40	-8.01	-0.00944	±2.5	PASS	
				50	-8.14	-0.00959	±2.5	PASS	
		GSM/TM2	LCH	VN	-30	-1.16	-0.00141	±2.5	PASS
					-20	-2.29	-0.00278	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict		
				-10	-4.07	-0.00494	±2.5	PASS		
				0	-4.75	-0.00576	±2.5	PASS		
				10	-3.94	-0.00478	±2.5	PASS		
				20	-4.46	-0.00541	±2.5	PASS		
				30	-1.58	-0.00192	±2.5	PASS		
				40	-6.75	-0.00819	±2.5	PASS		
				50	-5.17	-0.00627	±2.5	PASS		
		MCH	VN	-30	-4.49	-0.00537	±2.5	PASS		
				-20	-9.01	-0.01077	±2.5	PASS		
				-10	-4.52	-0.0054	±2.5	PASS		
				0	-11.14	-0.01332	±2.5	PASS		
				10	-5.23	-0.00625	±2.5	PASS		
				20	-8.36	-0.00999	±2.5	PASS		
				30	-7.94	-0.00949	±2.5	PASS		
				40	-6.91	-0.00826	±2.5	PASS		
		HCH	VN	-30	-3.68	-0.00434	±2.5	PASS		
				-20	-2.74	-0.00323	±2.5	PASS		
				-10	-2.36	-0.00278	±2.5	PASS		
				0	-0.42	-0.00049	±2.5	PASS		
				10	-2.71	-0.00319	±2.5	PASS		
				20	-3.29	-0.00388	±2.5	PASS		
				30	-9.36	-0.01103	±2.5	PASS		
				40	-7.46	-0.00879	±2.5	PASS		
		GSM1900	GSM/TM1	LCH	VN	-30	26.86	0.01452	±2.5	PASS
						-20	24.02	0.01298	±2.5	PASS
						-10	20.66	0.01117	±2.5	PASS
						0	28.86	0.0156	±2.5	PASS
10	24.99					0.01351	±2.5	PASS		
20	19.31					0.01044	±2.5	PASS		
30	30.80					0.01665	±2.5	PASS		
40	18.21			0.00984	±2.5	PASS				
50	19.11			0.01033	±2.5	PASS				
MCH	VN			-30	3.62	0.00193	±2.5	PASS		
				-20	-9.88	-0.00526	±2.5	PASS		
				-10	-4.33	-0.0023	±2.5	PASS		
				0	-12.07	-0.00642	±2.5	PASS		
				10	5.55	0.00295	±2.5	PASS		
		20	-8.33	-0.00443	±2.5	PASS				



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict	
				30	-7.17	-0.00381	±2.5	PASS	
				40	-2.32	-0.00123	±2.5	PASS	
				50	-7.30	-0.00388	±2.5	PASS	
		HCH	VN	-30	-10.65	-0.00558	±2.5	PASS	
				-20	-18.66	-0.00977	±2.5	PASS	
				-10	-18.66	-0.00977	±2.5	PASS	
				0	-17.69	-0.00926	±2.5	PASS	
				10	-7.55	-0.00395	±2.5	PASS	
				20	-14.21	-0.00744	±2.5	PASS	
				30	-16.66	-0.00872	±2.5	PASS	
				40	0.77	0.0004	±2.5	PASS	
				50	-18.08	-0.00947	±2.5	PASS	
		GSM/TM2	LCH	VN	-30	55.60	0.03005	±2.5	PASS
					-20	52.69	0.02848	±2.5	PASS
					-10	44.72	0.02417	±2.5	PASS
	0				48.72	0.02633	±2.5	PASS	
	10				42.26	0.02284	±2.5	PASS	
	20				41.13	0.02223	±2.5	PASS	
	30				38.58	0.02085	±2.5	PASS	
	40				42.36	0.02289	±2.5	PASS	
	MCH		VN	-30	21.83	0.01161	±2.5	PASS	
				-20	24.86	0.01322	±2.5	PASS	
				-10	32.00	0.01702	±2.5	PASS	
				0	30.99	0.01648	±2.5	PASS	
				10	29.51	0.0157	±2.5	PASS	
				20	29.48	0.01568	±2.5	PASS	
				30	33.90	0.01803	±2.5	PASS	
	HCH	VN	-30	33.58	0.01758	±2.5	PASS		
			-20	19.11	0.01001	±2.5	PASS		
			-10	11.24	0.00589	±2.5	PASS		
			0	9.23	0.00483	±2.5	PASS		
			10	30.54	0.01599	±2.5	PASS		
			20	22.60	0.01183	±2.5	PASS		
			30	27.48	0.01439	±2.5	PASS		
			40	14.14	0.0074	±2.5	PASS		
	50	22.34	0.0117	±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	-0.58	-0.0007	±2.5	PASS
				VN	6.29	0.00761	±2.5	PASS
				VH	8.97	0.01085	±2.5	PASS
		MCH	TN	VL	-2.04	-0.00244	±2.5	PASS
				VN	-14.40	-0.01722	±2.5	PASS
				VH	1.77	0.00212	±2.5	PASS
		HCH	TN	VL	-3.81	-0.0045	±2.5	PASS
				VN	-11.43	-0.0135	±2.5	PASS
				VH	7.46	0.00881	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-9.69	-0.00523	±2.5	PASS
				VN	-1.05	-0.00057	±2.5	PASS
				VH	3.01	0.00162	±2.5	PASS
		MCH	TN	VL	-18.46	-0.00982	±2.5	PASS
				VN	-16.92	-0.009	±2.5	PASS
				VH	0.06	0.00003	±2.5	PASS
		HCH	TN	VL	14.71	0.00771	±2.5	PASS
				VN	-3.27	-0.00171	±2.5	PASS
				VH	0.60	0.00031	±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	-1.95	-0.00236	±2.5	PASS
				-20	0.73	0.00088	±2.5	PASS
				-10	4.10	0.00496	±2.5	PASS
				0	1.53	0.00185	±2.5	PASS
				10	4.56	0.00552	±2.5	PASS
				20	12.53	0.01516	±2.5	PASS
				30	3.65	0.00442	±2.5	PASS
				40	-0.02	-0.00002	±2.5	PASS
				50	0.09	0.00011	±2.5	PASS
		MCH	VN	-30	-3.14	-0.00375	±2.5	PASS
				-20	1.95	0.00233	±2.5	PASS
				-10	2.29	0.00274	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict						
				0	0.81	0.00097	±2.5	PASS						
				10	5.55	0.00664	±2.5	PASS						
				20	-3.69	-0.00441	±2.5	PASS						
				30	-0.73	-0.00087	±2.5	PASS						
				40	-4.56	-0.00545	±2.5	PASS						
				50	-7.39	-0.00884	±2.5	PASS						
		HCH	VN			-30	-7.93	-0.00937	±2.5	PASS				
						-20	-5.92	-0.00699	±2.5	PASS				
						-10	-12.22	-0.01443	±2.5	PASS				
						0	-2.82	-0.00333	±2.5	PASS				
						10	-16.11	-0.01903	±2.5	PASS				
						20	-15.35	-0.01813	±2.5	PASS				
						30	-5.83	-0.00689	±2.5	PASS				
						40	15.00	0.01772	±2.5	PASS				
						50	14.10	0.01665	±2.5	PASS				
						WCDMA1900	UMTS/TM1	LCH	VN	-30	-2.46	-0.00133	±2.5	PASS
										-20	-0.55	-0.0003	±2.5	PASS
										-10	1.08	0.00058	±2.5	PASS
0	-3.02	-0.00163	±2.5	PASS										
10	-13.81	-0.00746	±2.5	PASS										
20	-1.83	-0.00099	±2.5	PASS										
30	-7.08	-0.00382	±2.5	PASS										
40	-6.35	-0.00343	±2.5	PASS										
50	-17.56	-0.00948	±2.5	PASS										
MCH	VN			-30	5.80			0.00309	±2.5	PASS				
				-20	-5.20			-0.00277	±2.5	PASS				
				-10	17.72			0.00943	±2.5	PASS				
				0	1.95			0.00104	±2.5	PASS				
				10	-3.66			-0.00195	±2.5	PASS				
				20	-10.36			-0.00551	±2.5	PASS				
				30	5.91			0.00314	±2.5	PASS				
				40	7.64			0.00406	±2.5	PASS				
				50	-0.95			-0.00051	±2.5	PASS				
HCH	VN			-30	-9.55			-0.00501	±2.5	PASS				
				-20	4.68			0.00245	±2.5	PASS				
				-10	-6.03			-0.00316	±2.5	PASS				
				0	-5.10			-0.00267	±2.5	PASS				
				10	-1.95			-0.00102	±2.5	PASS				
				20	2.01			0.00105	±2.5	PASS				



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				30	-29.08	-0.01524	±2.5	PASS
				40	0.17	0.00009	±2.5	PASS
				50	21.39	0.01121	±2.5	PASS

END