



4.2 For CDMA/EV-DO

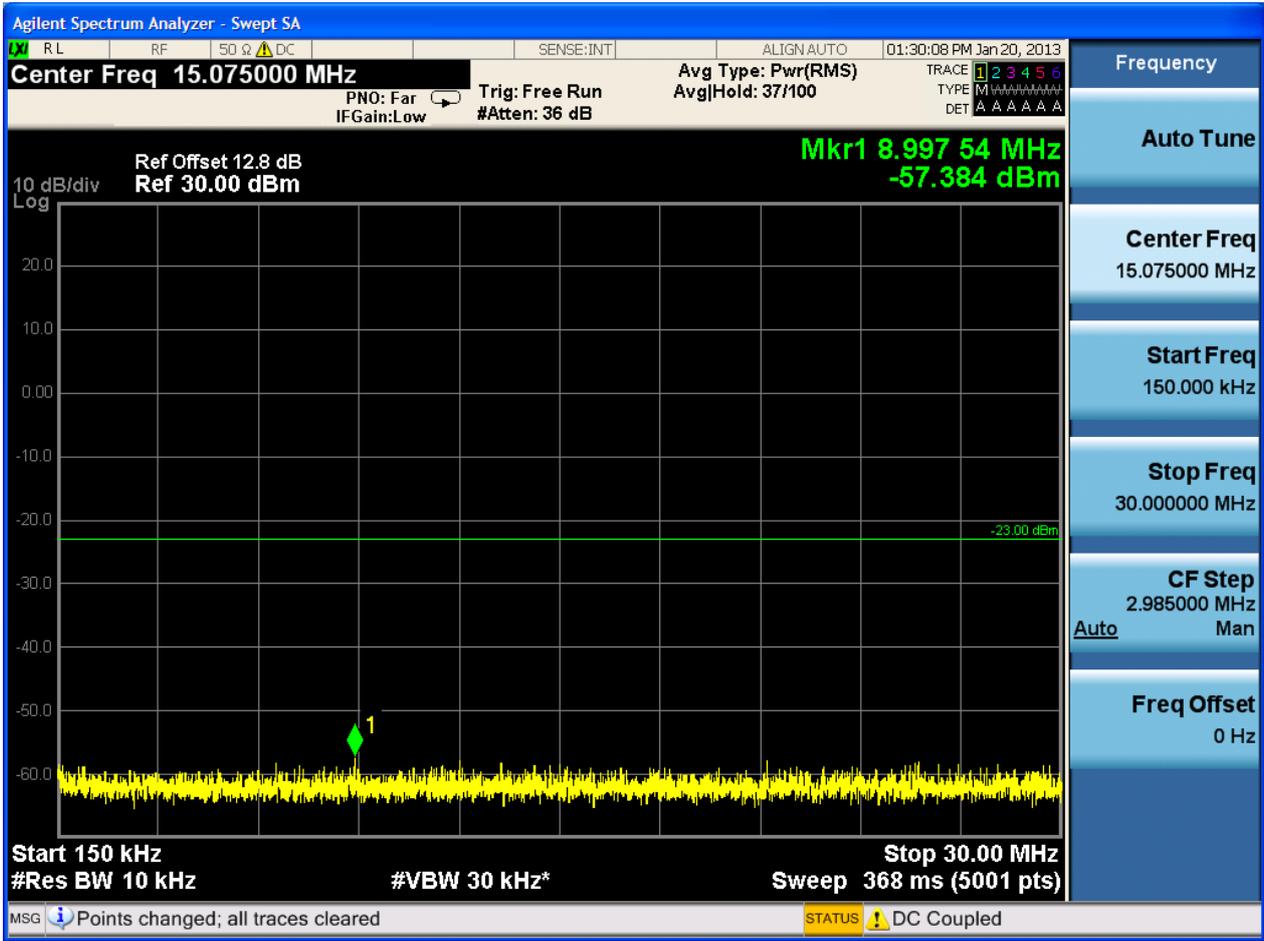
4.2.1 Test Band = BC0

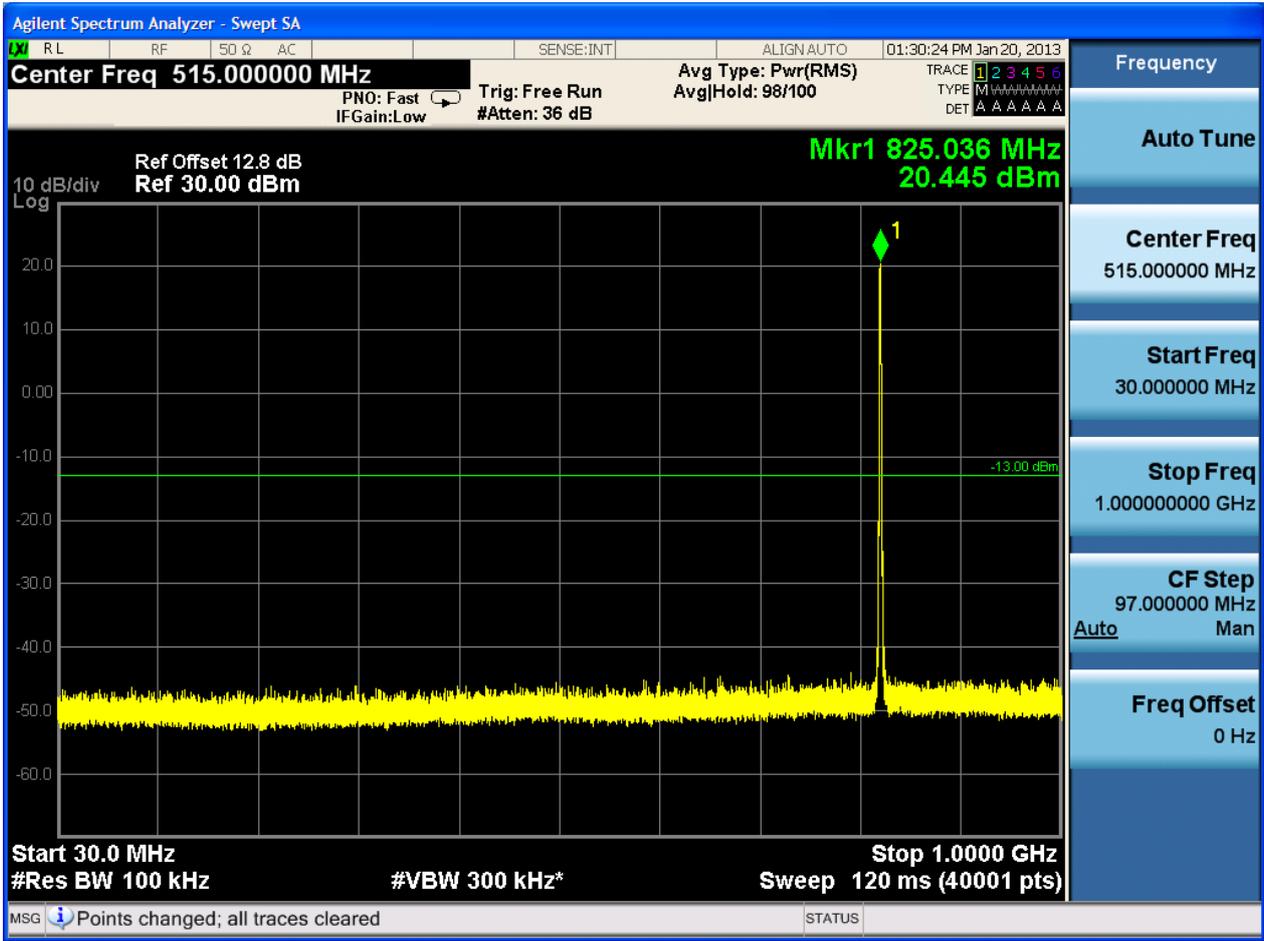
4.2.1.1 Test Mode = CDMA/EV-DO/Subtype0

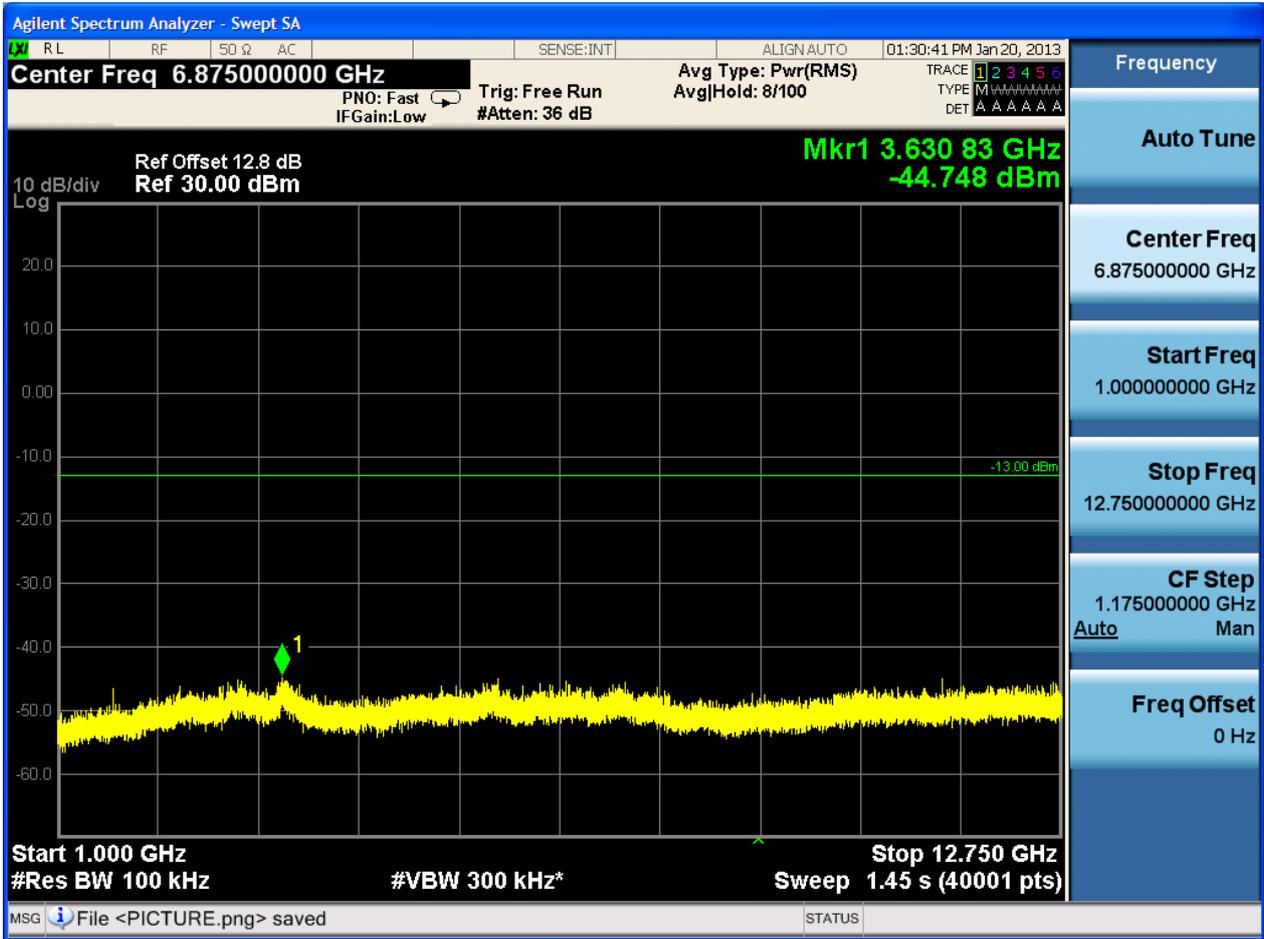
4.2.1.1.1 Test Modulation = HPSK

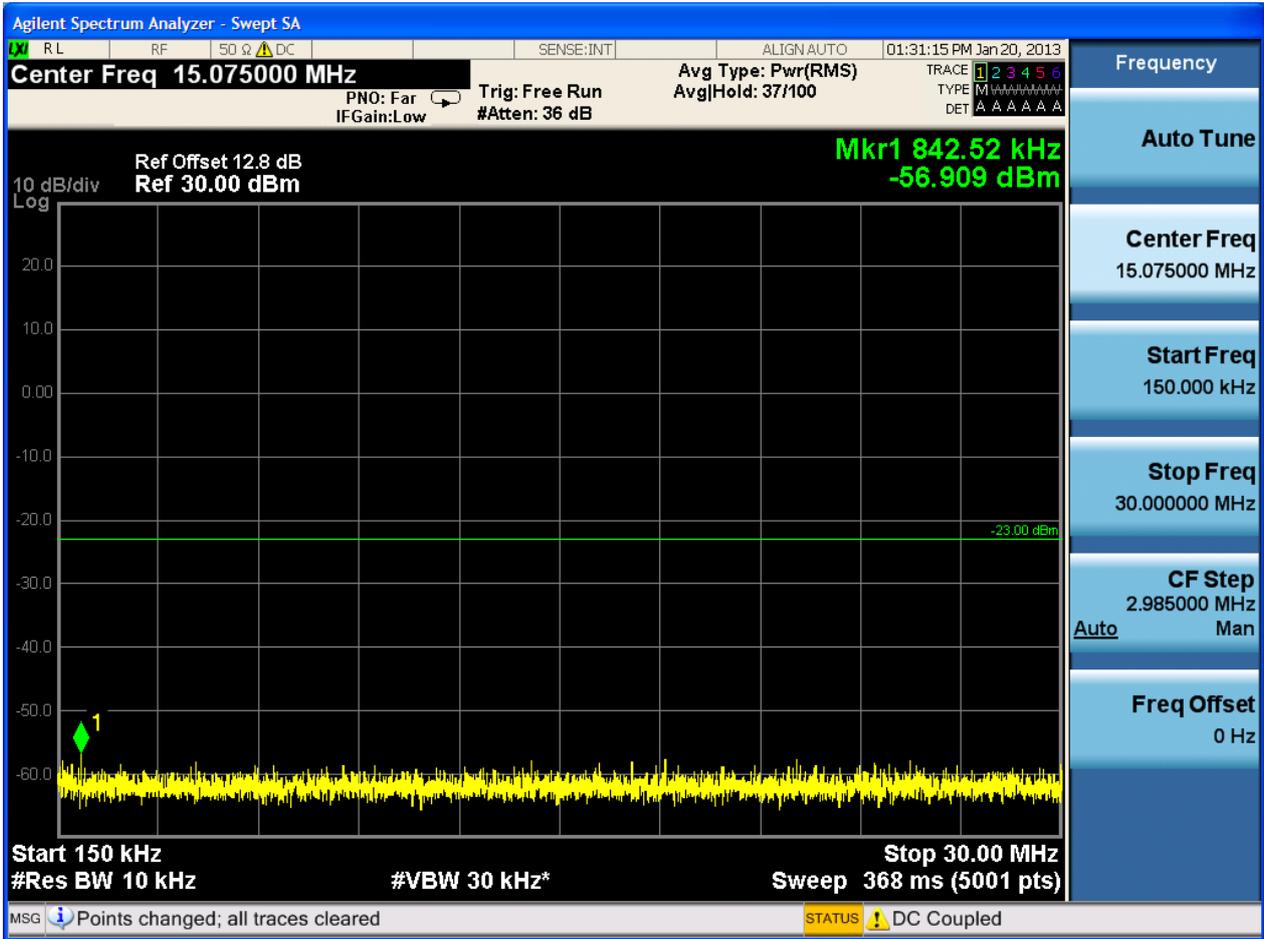
4.2.1.1.1.1 Test Channel = LCH

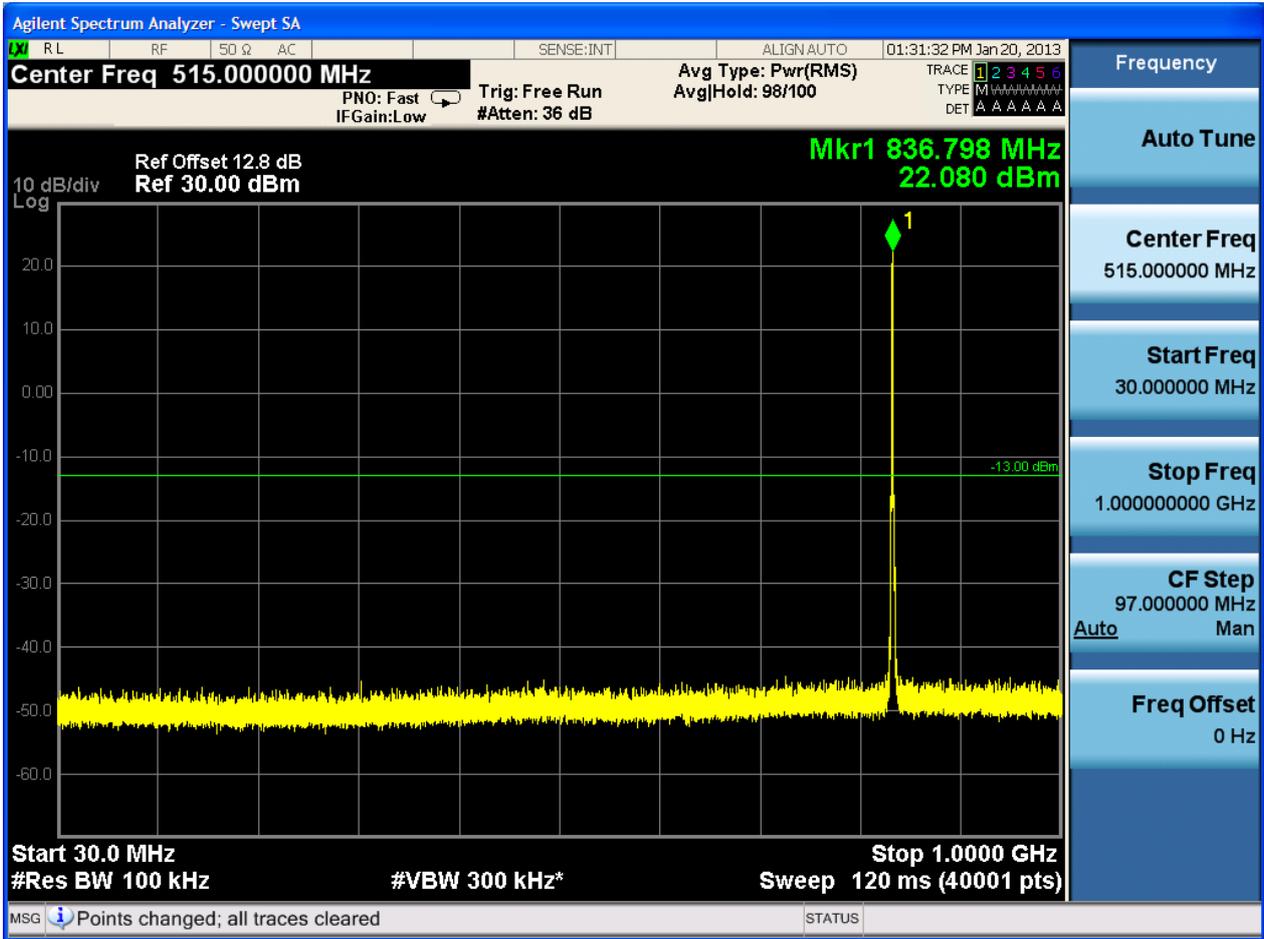


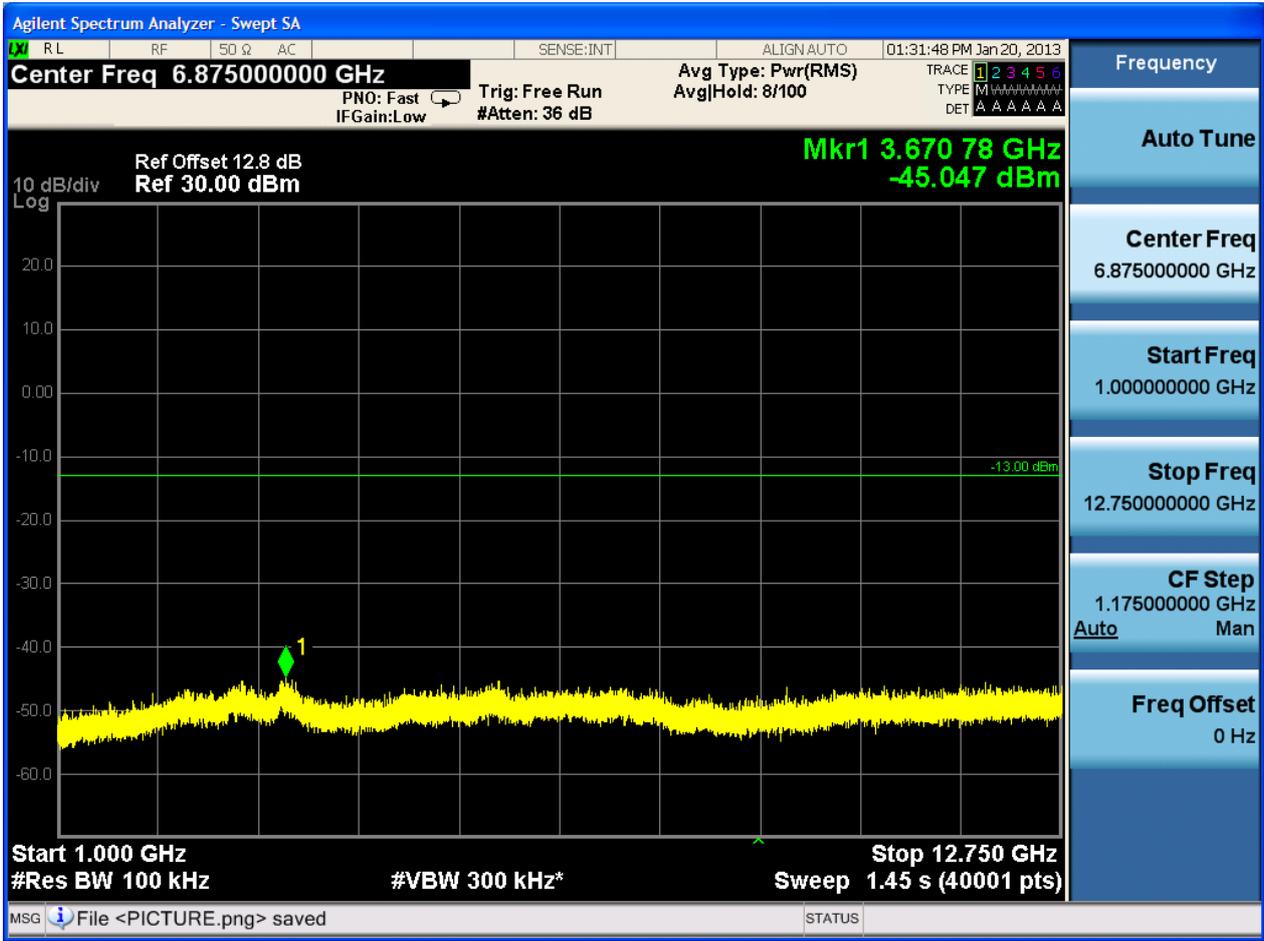








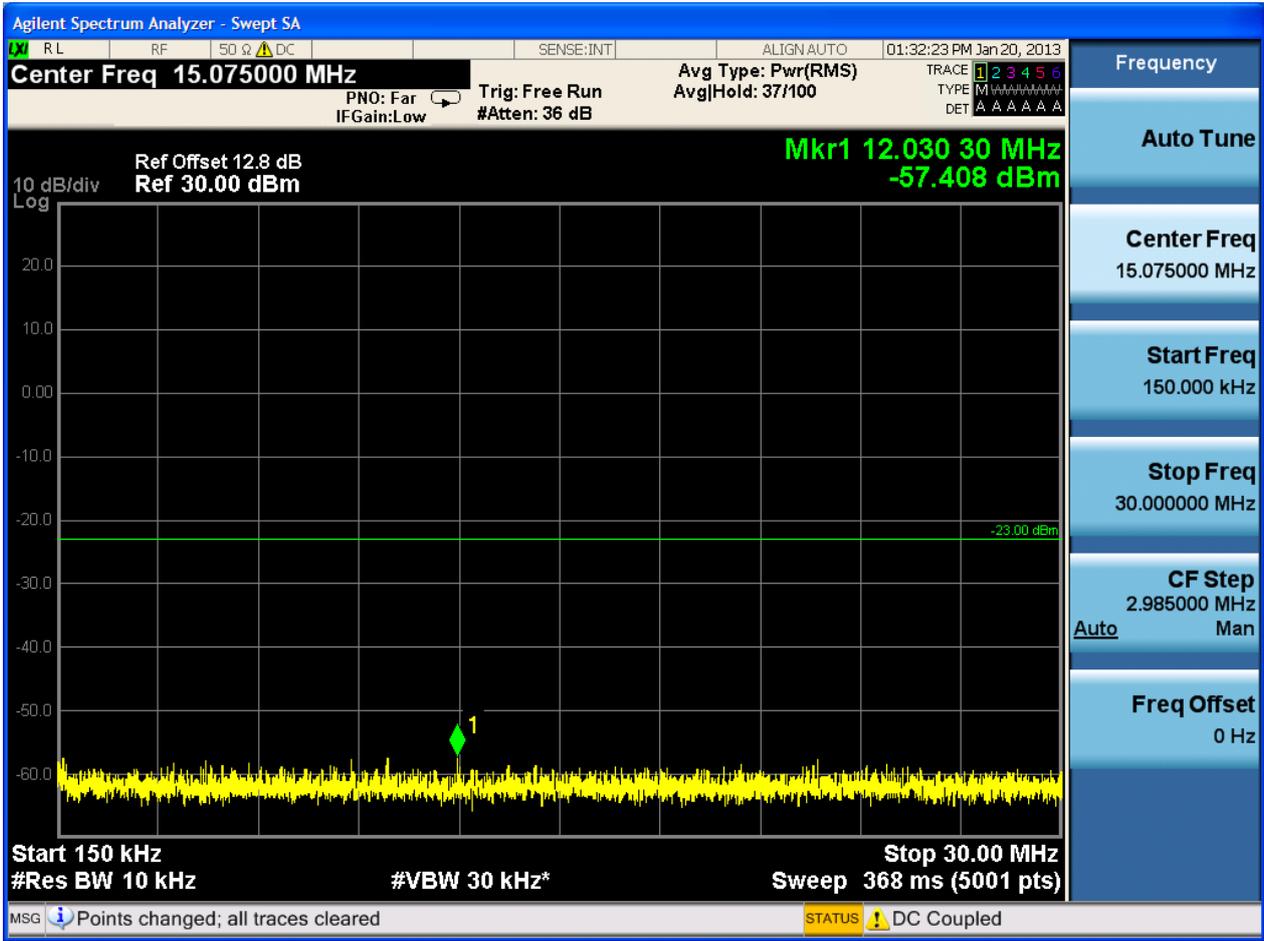


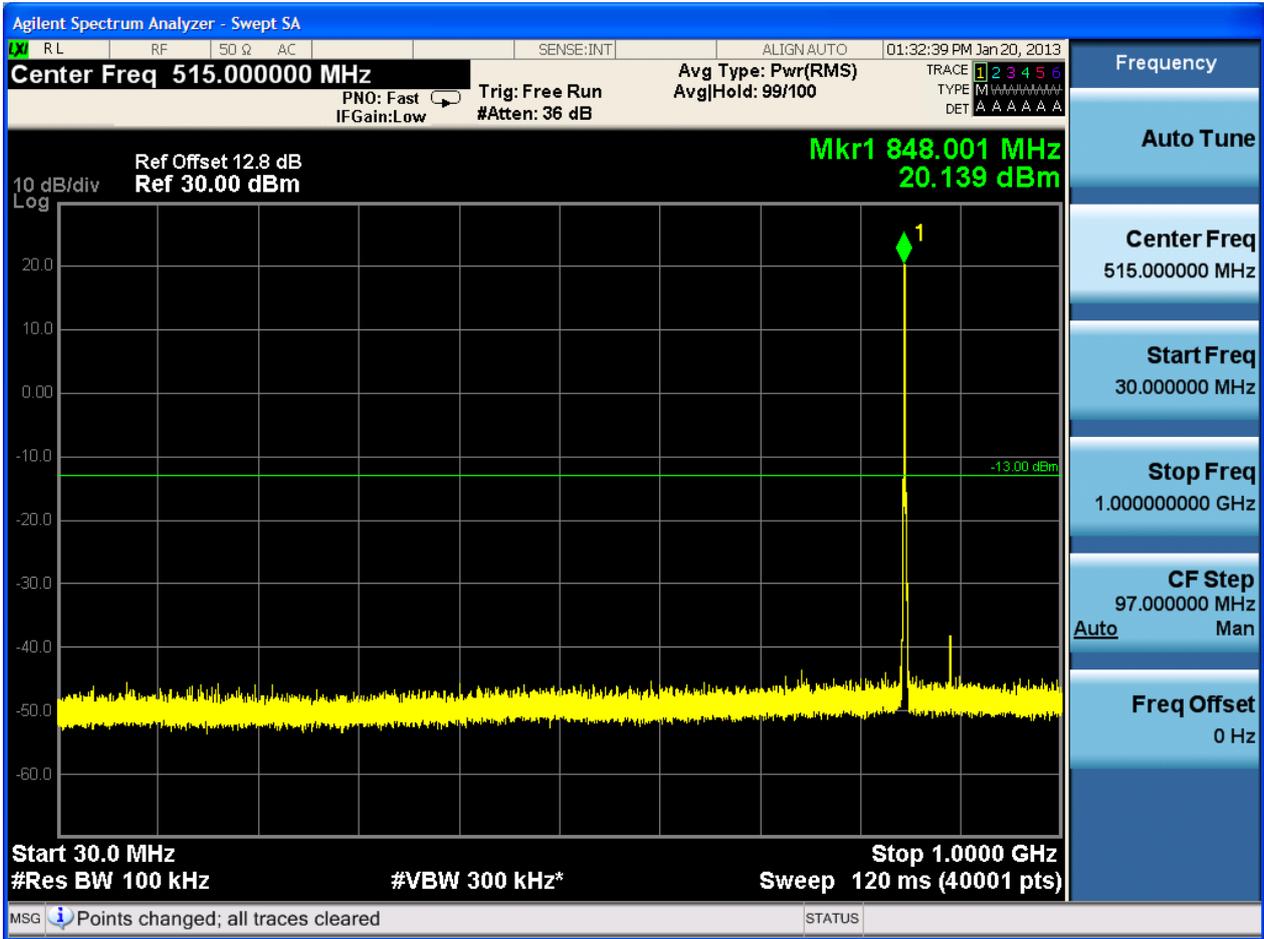


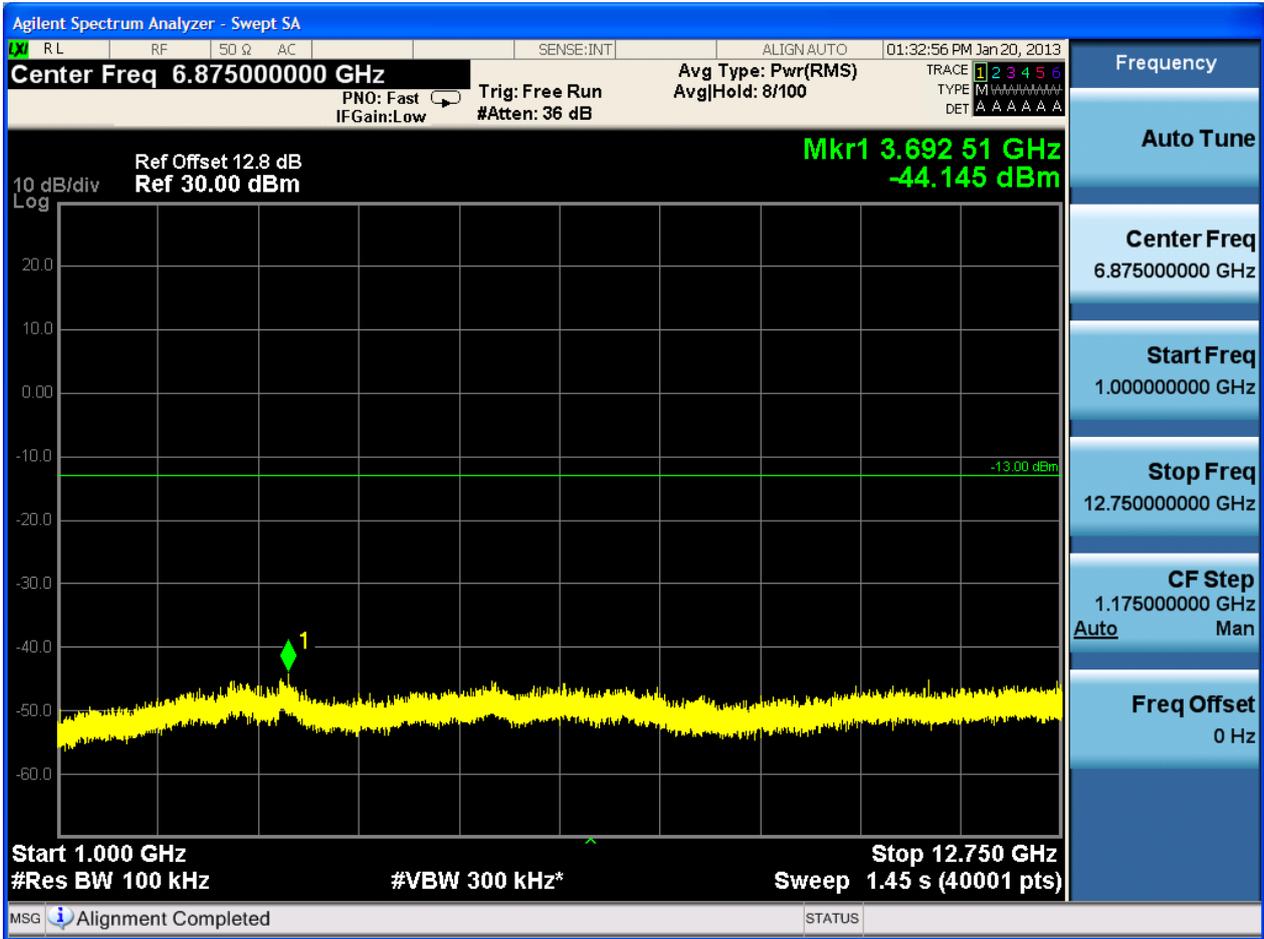


4.2.1.1.1.3 Test Channel = HCH







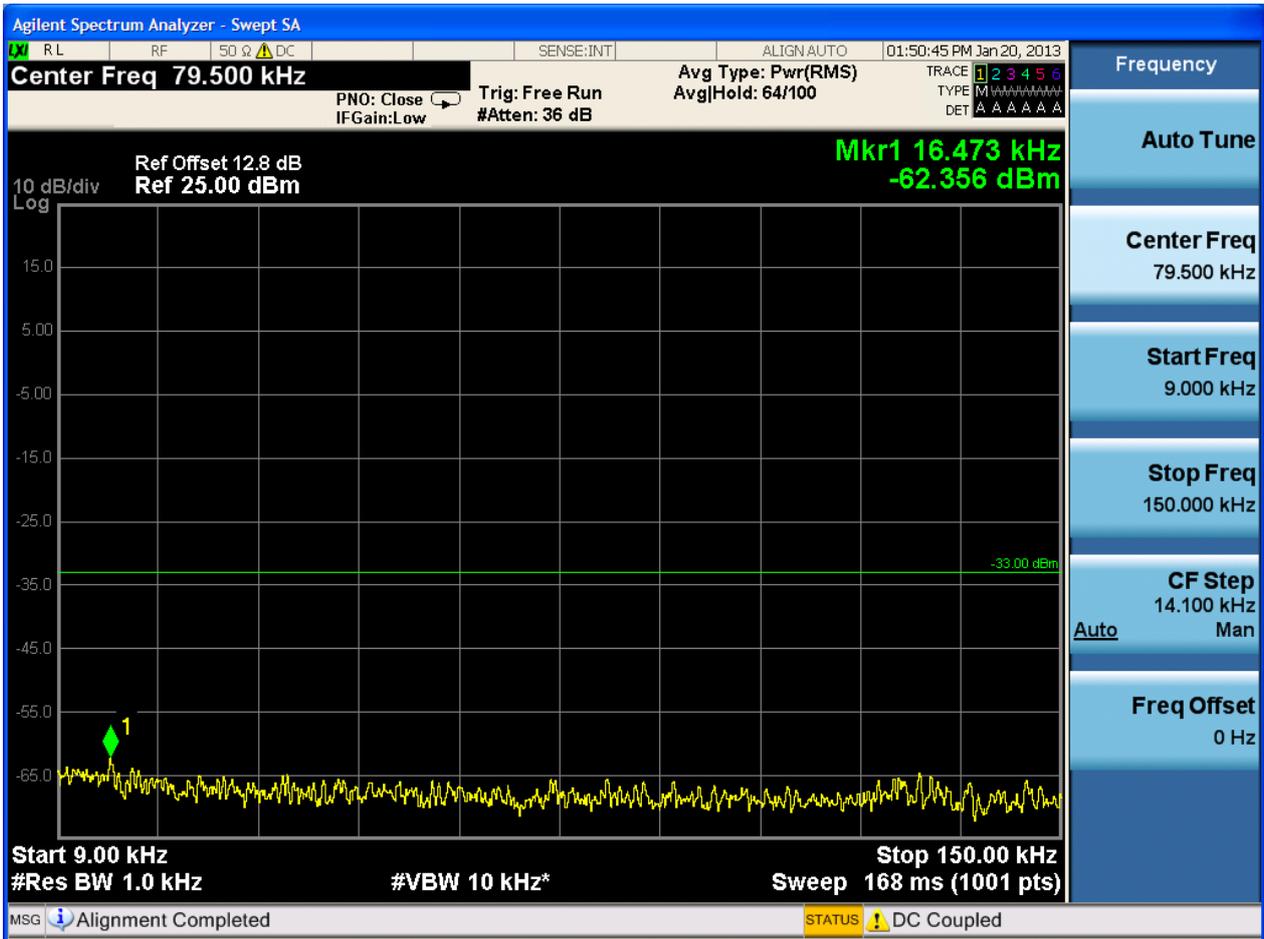


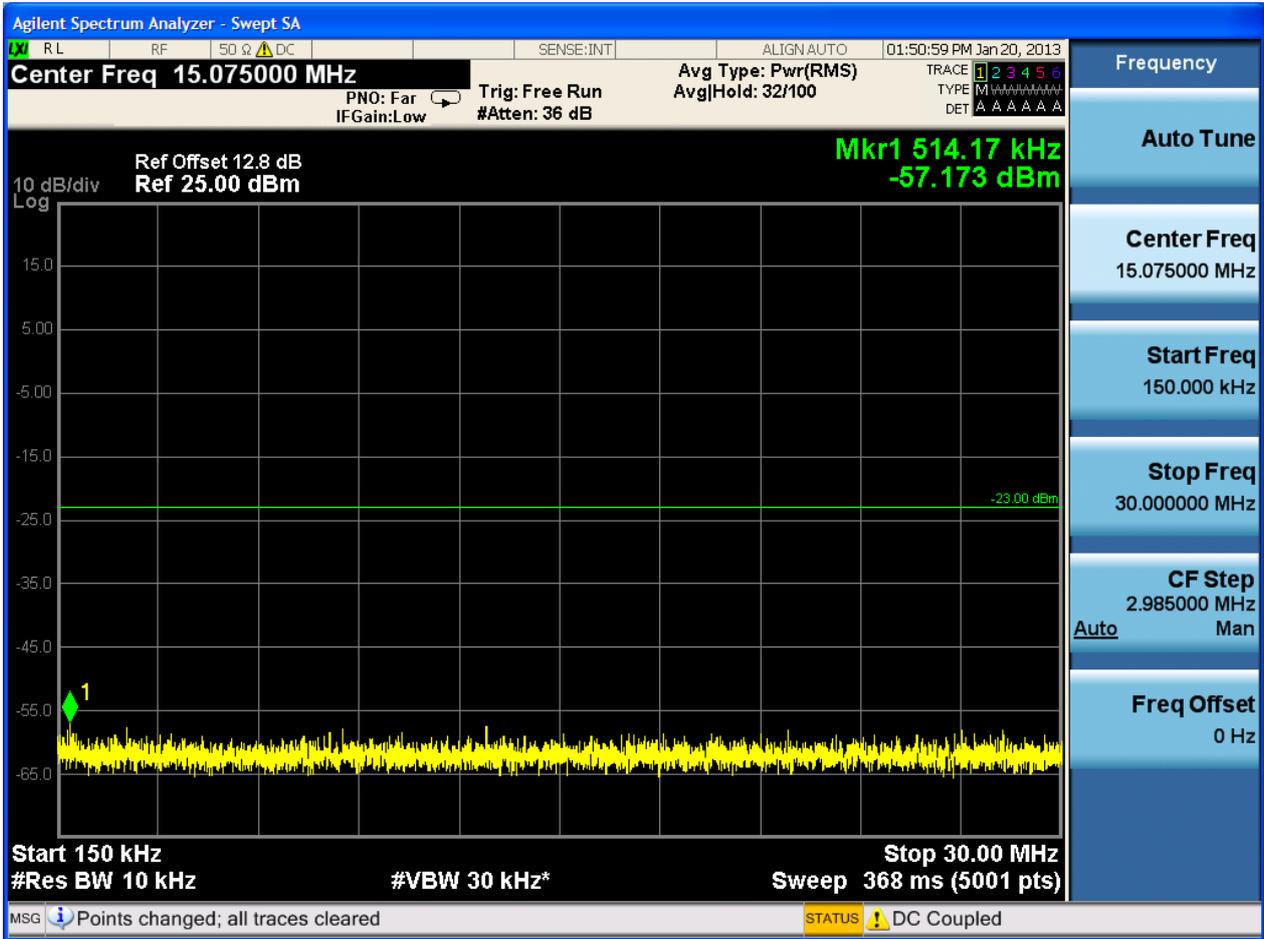


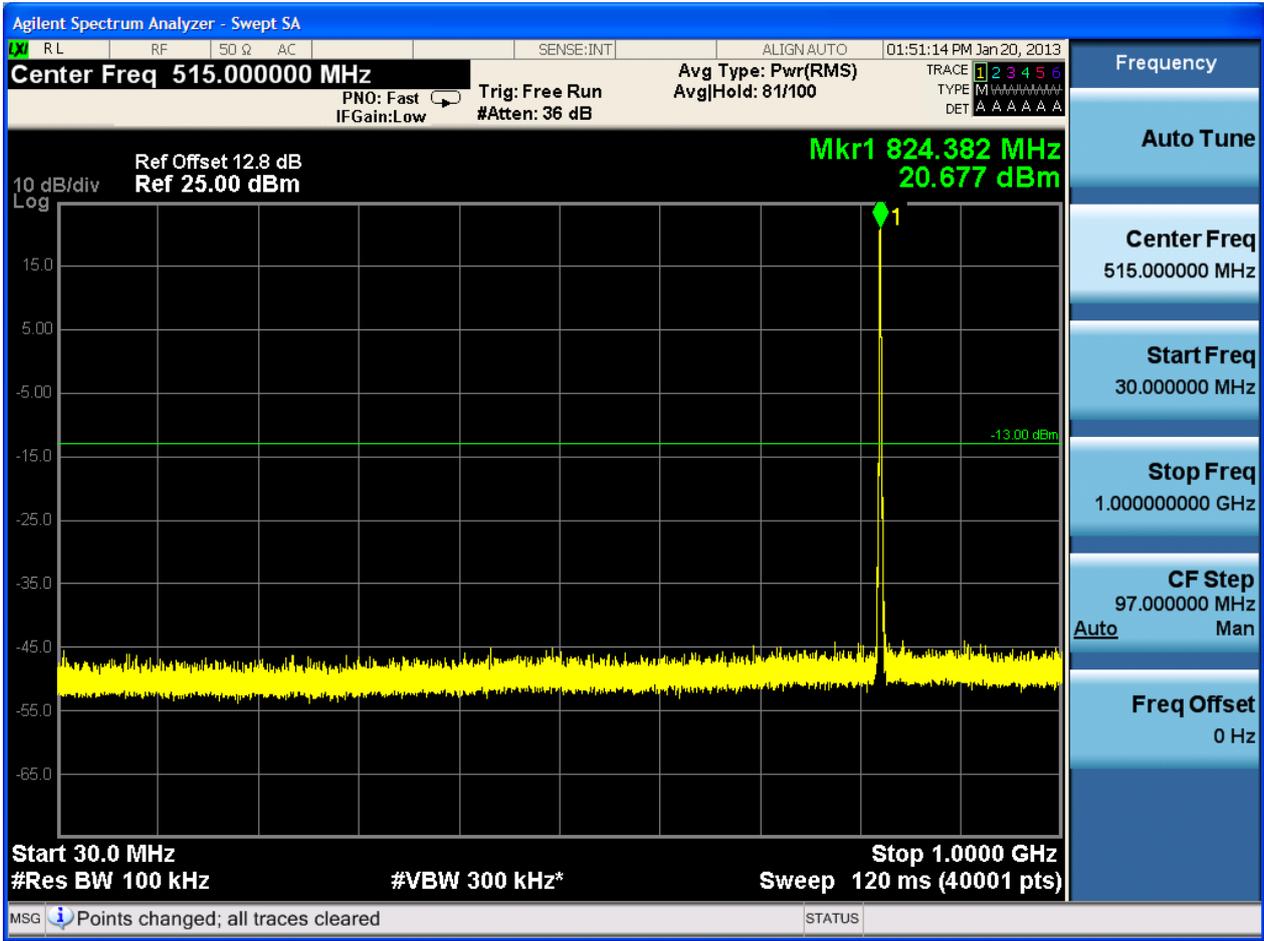
4.2.1.2 Test Mode = CDMA/EV-DO/Subtype2

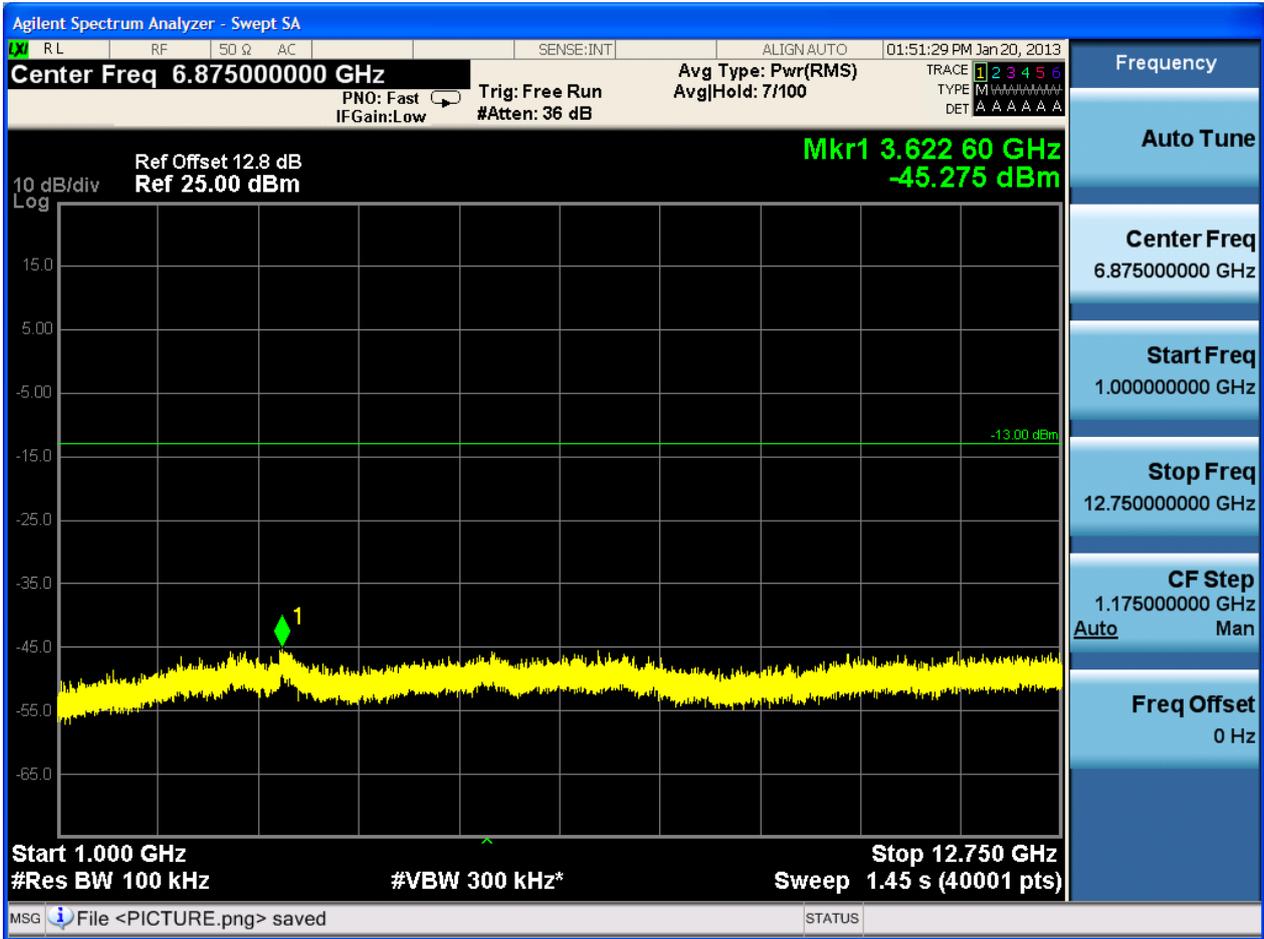
4.2.1.2.1 Test Modulation = BPSK (256 bits)

4.2.1.2.1.1 Test Channel = LCH



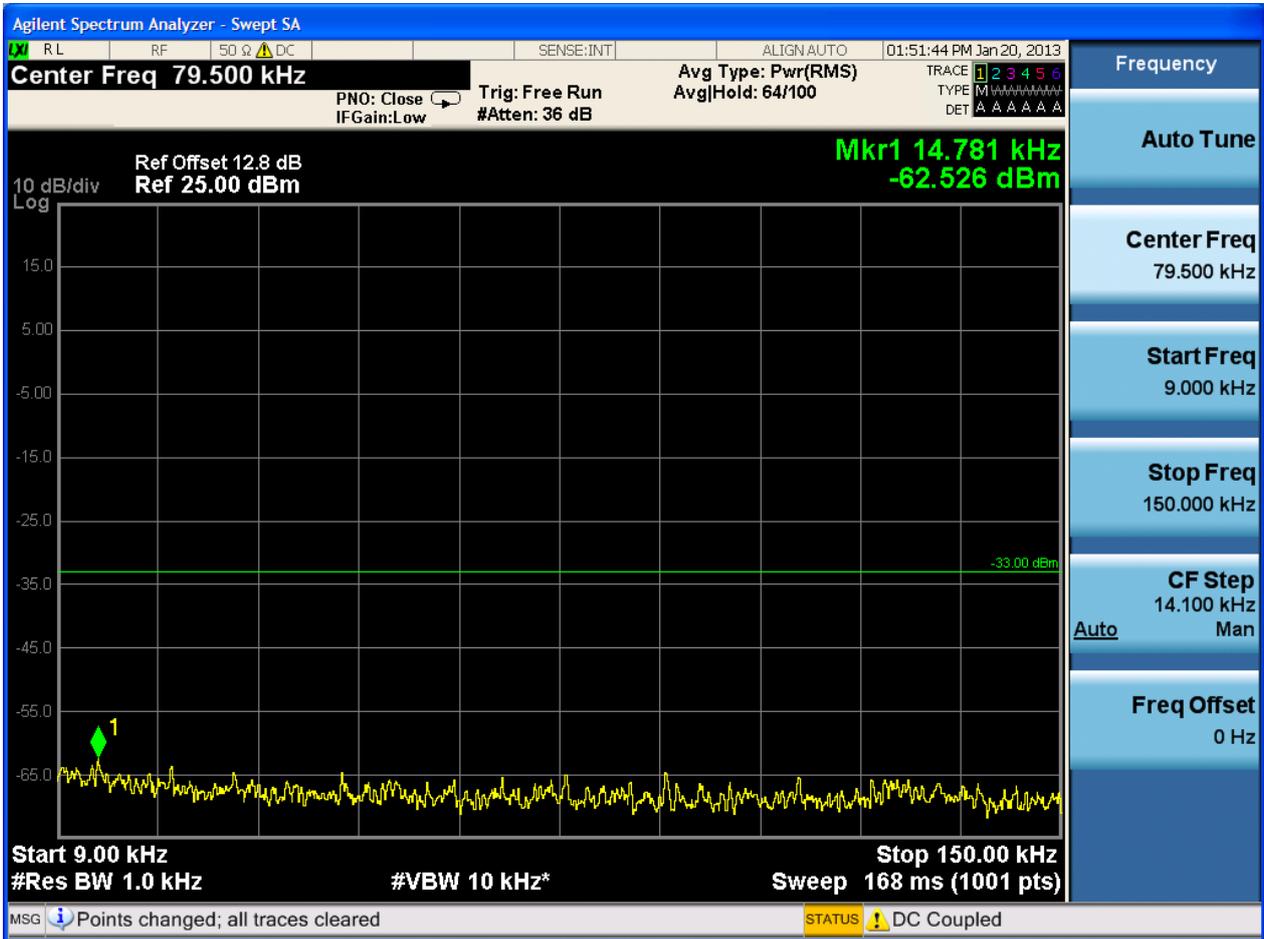


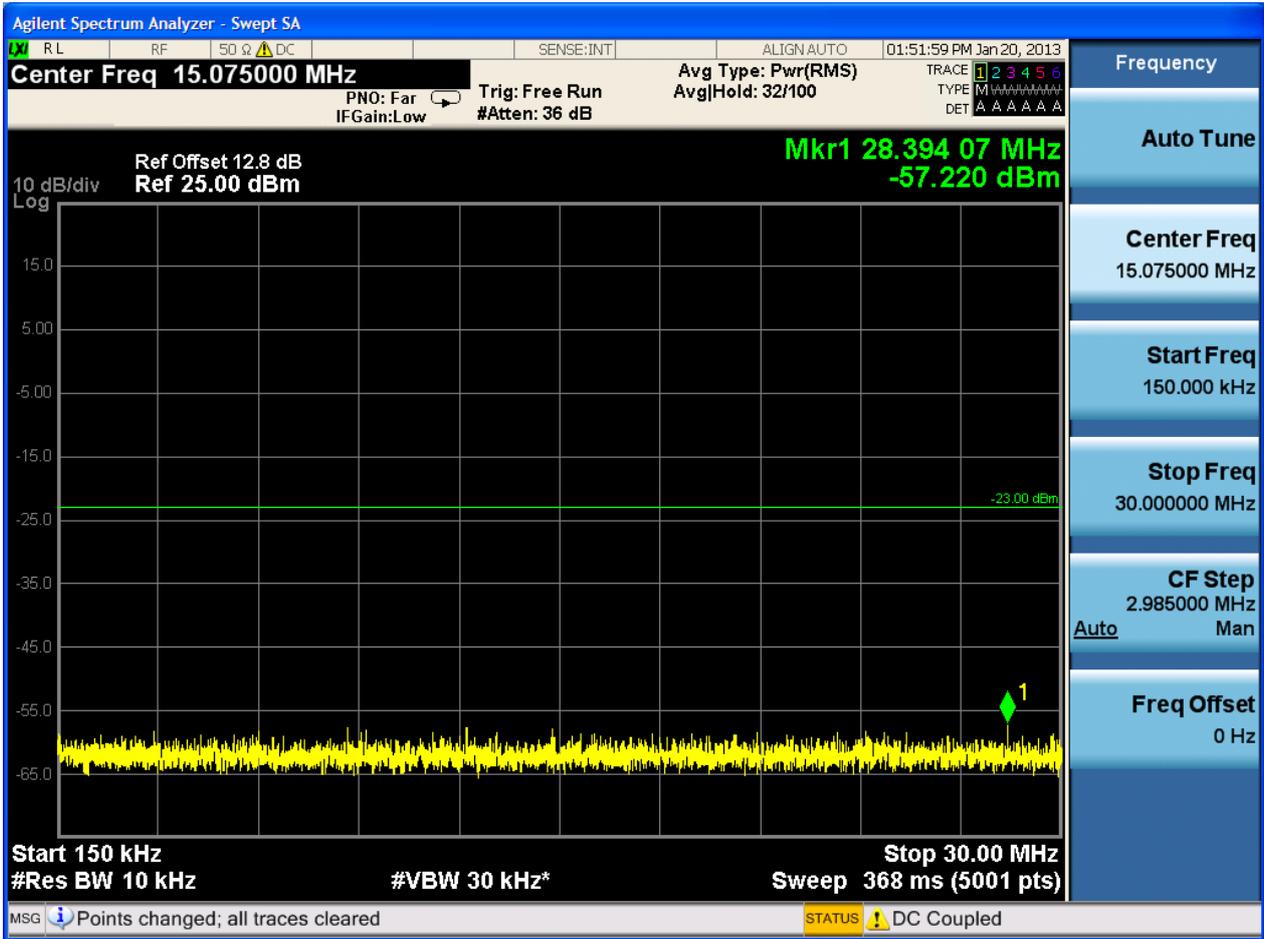


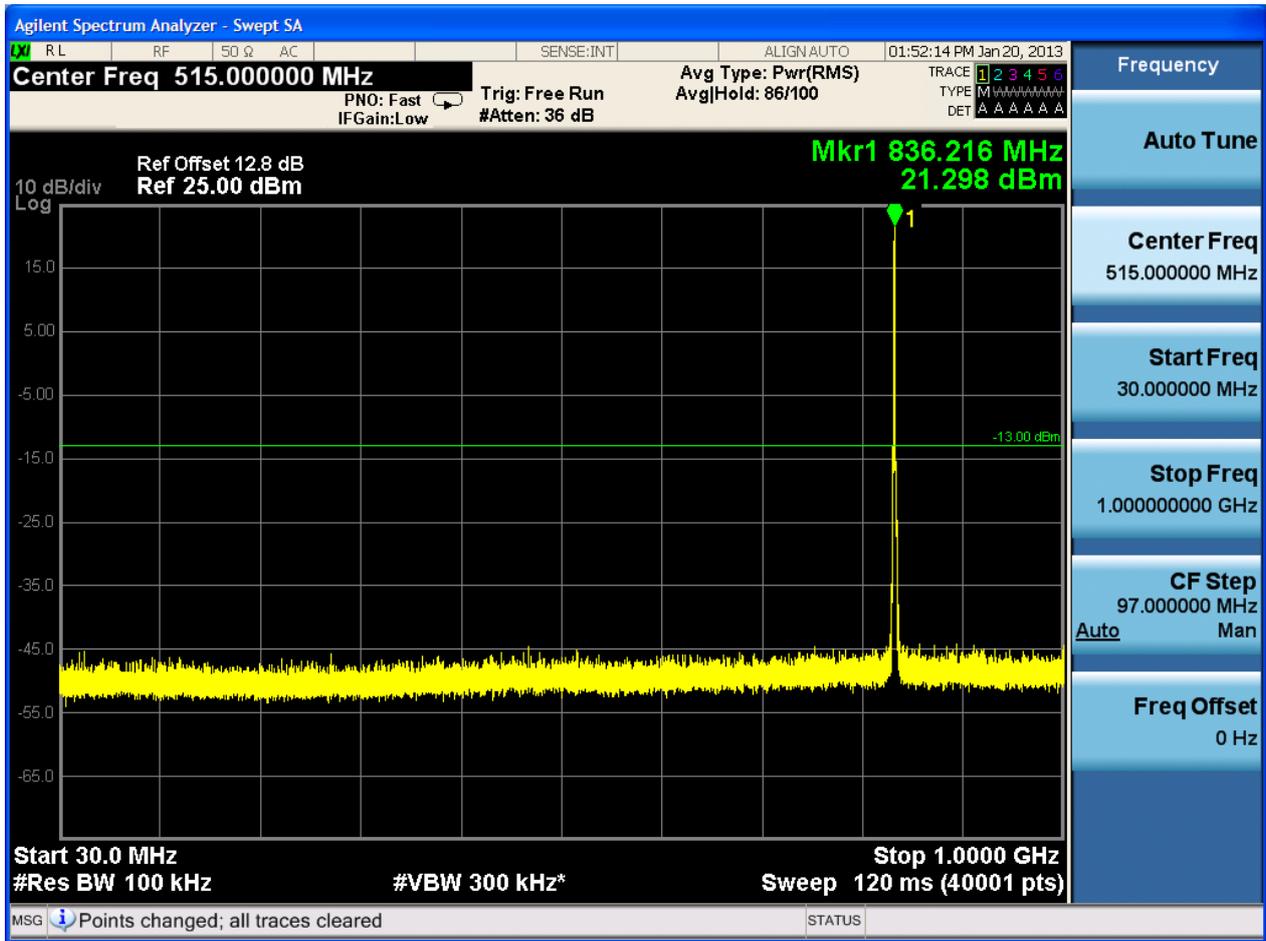


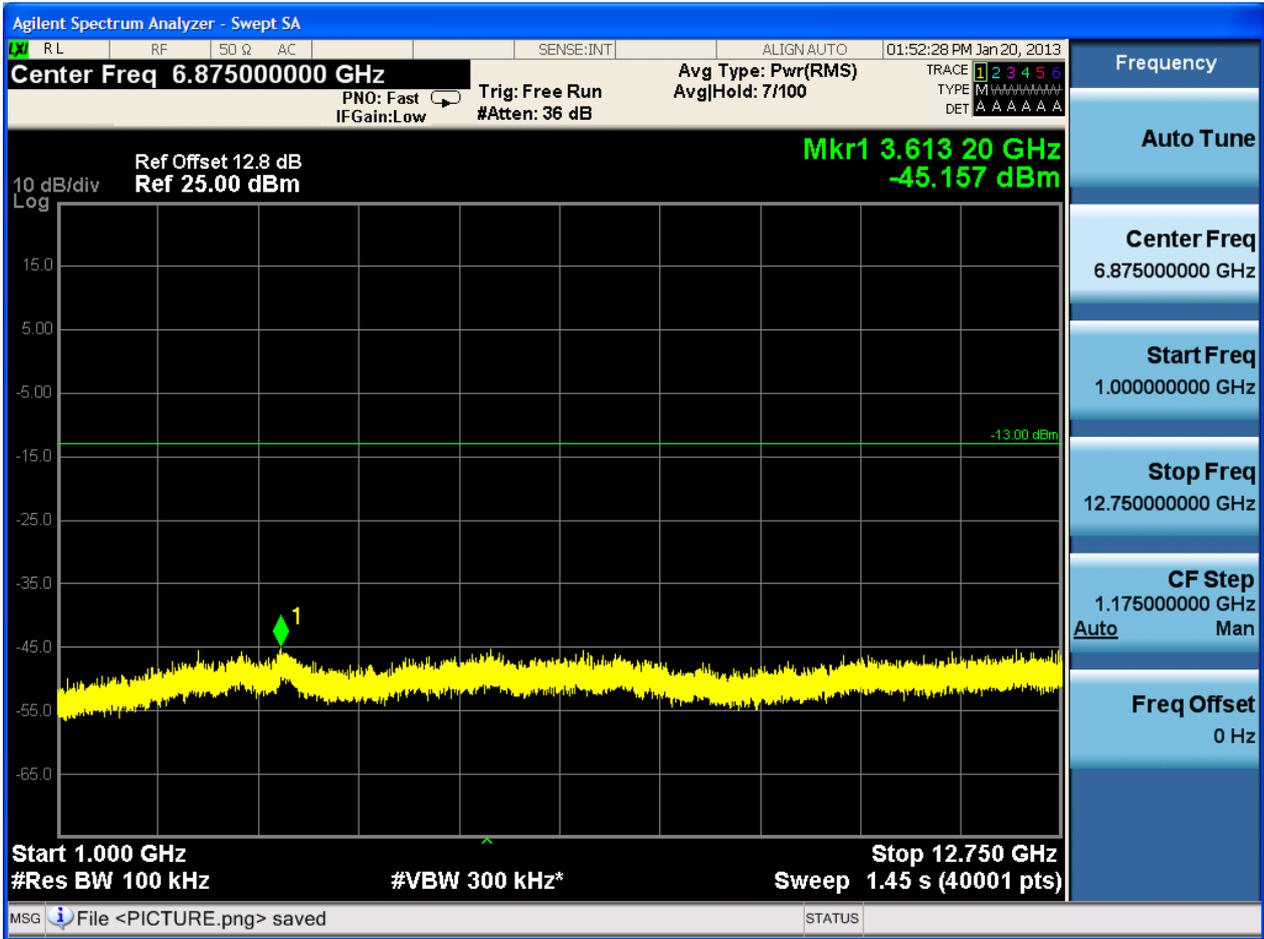


4.2.1.2.1.2 Test Channel = MCH



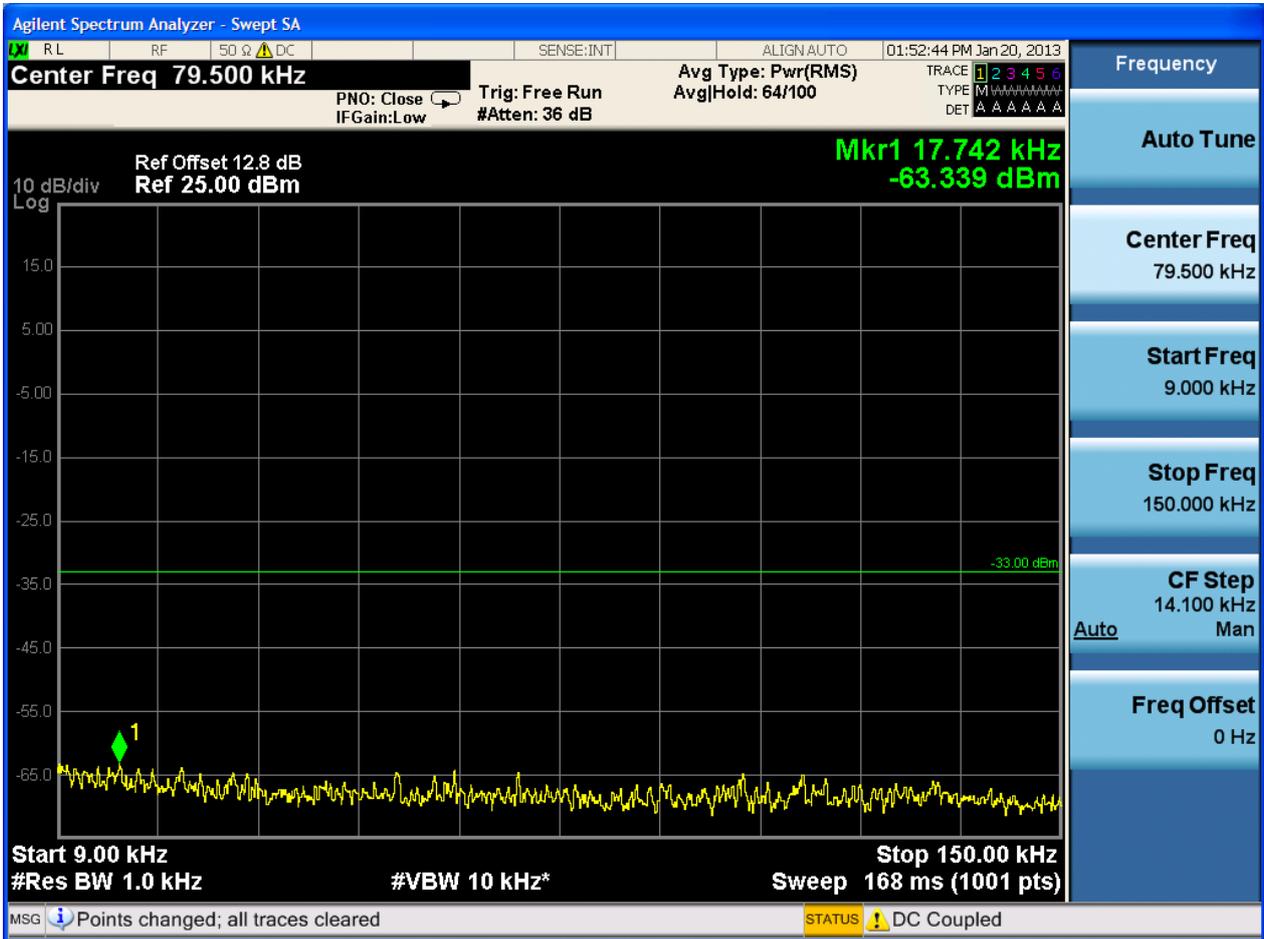


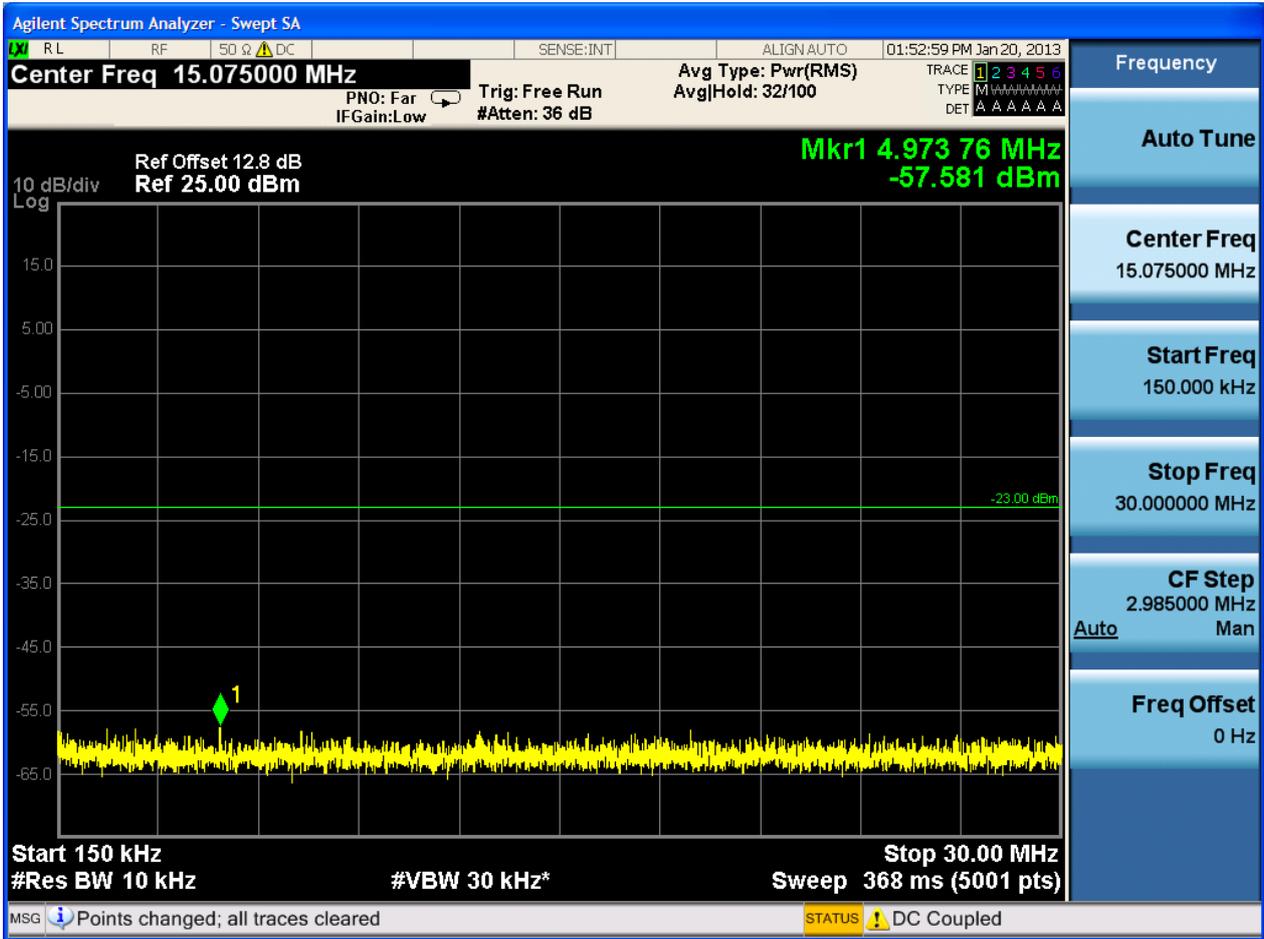


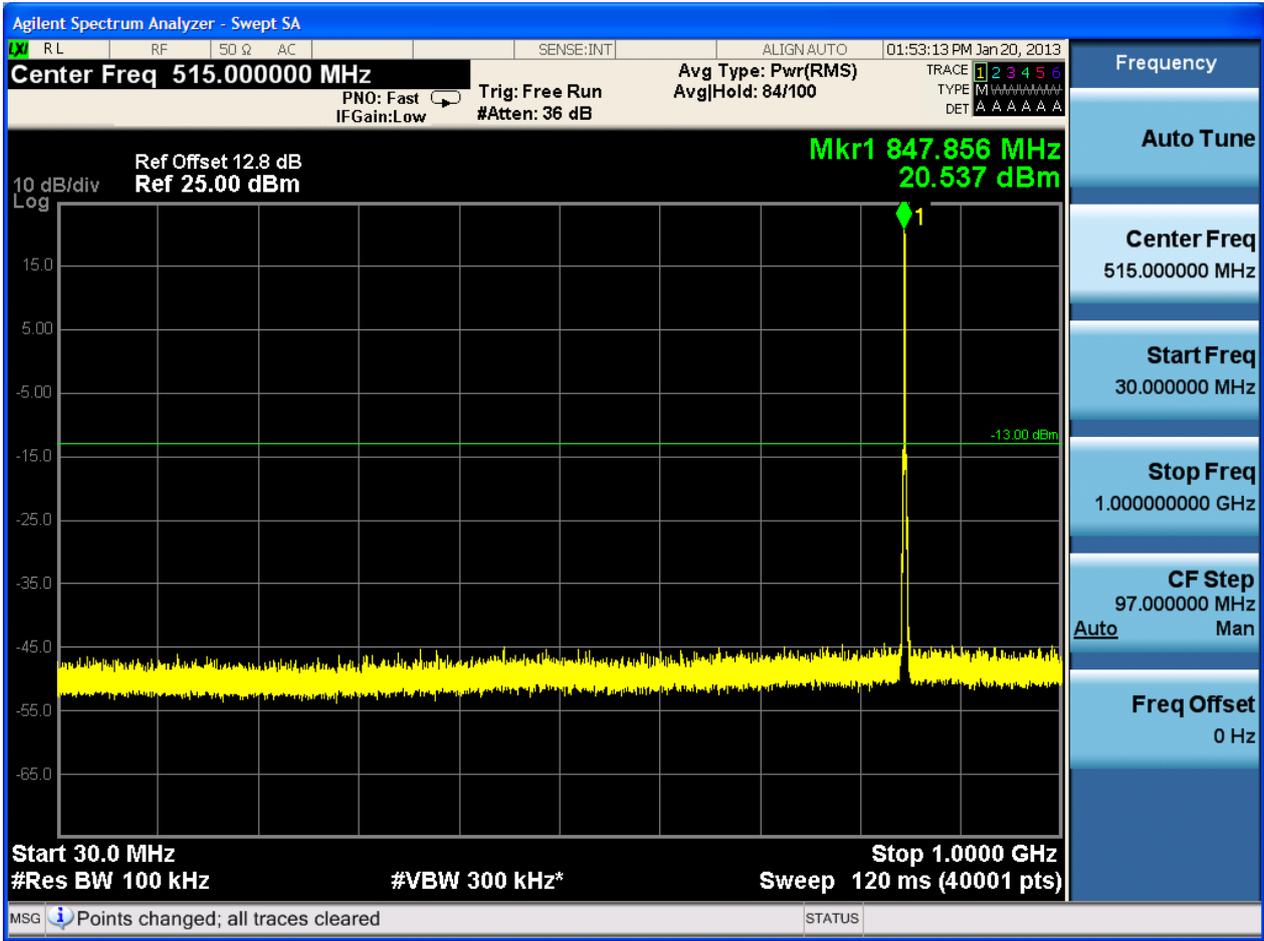


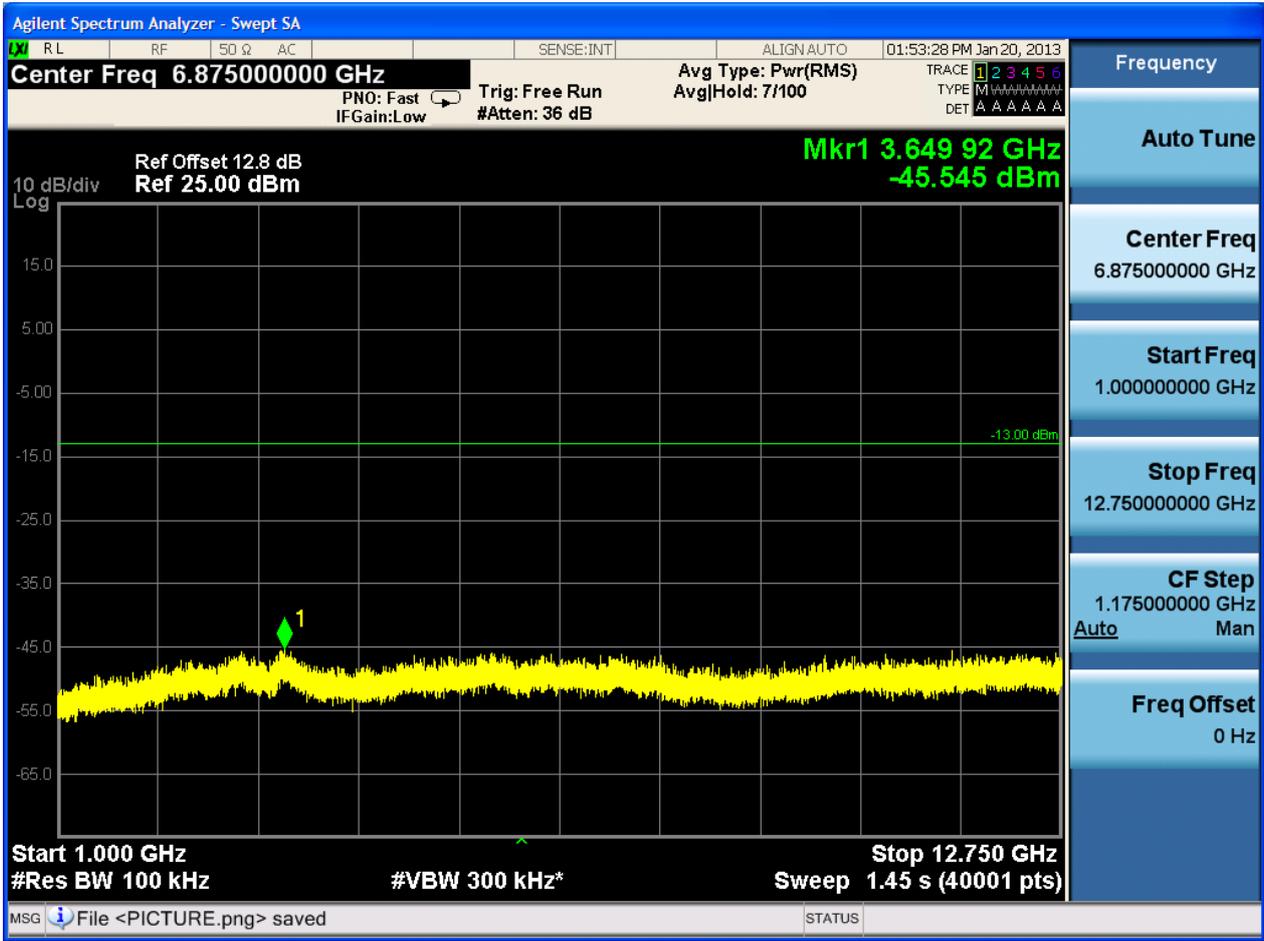


4.2.1.2.1.3 Test Channel = HCH





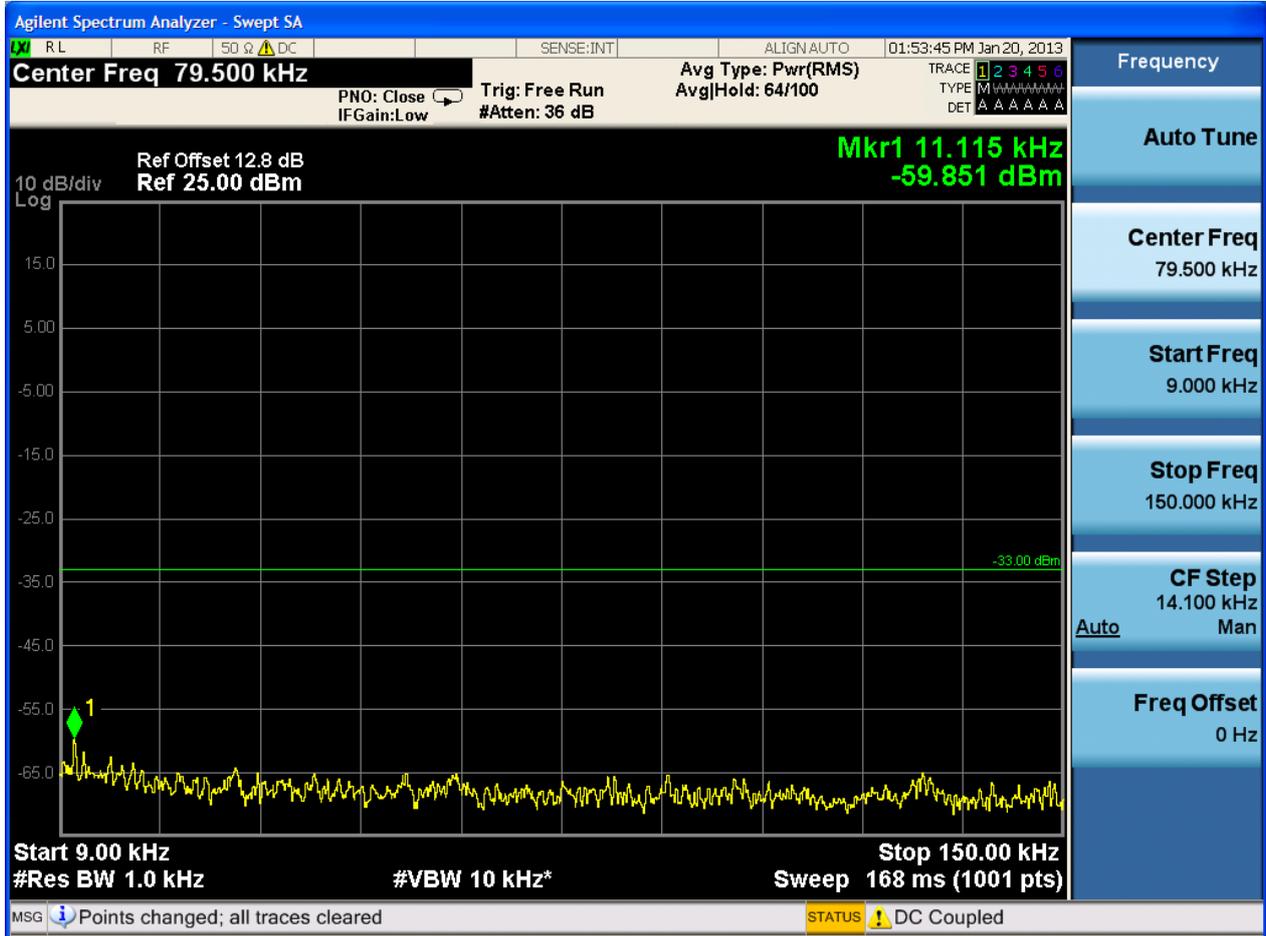


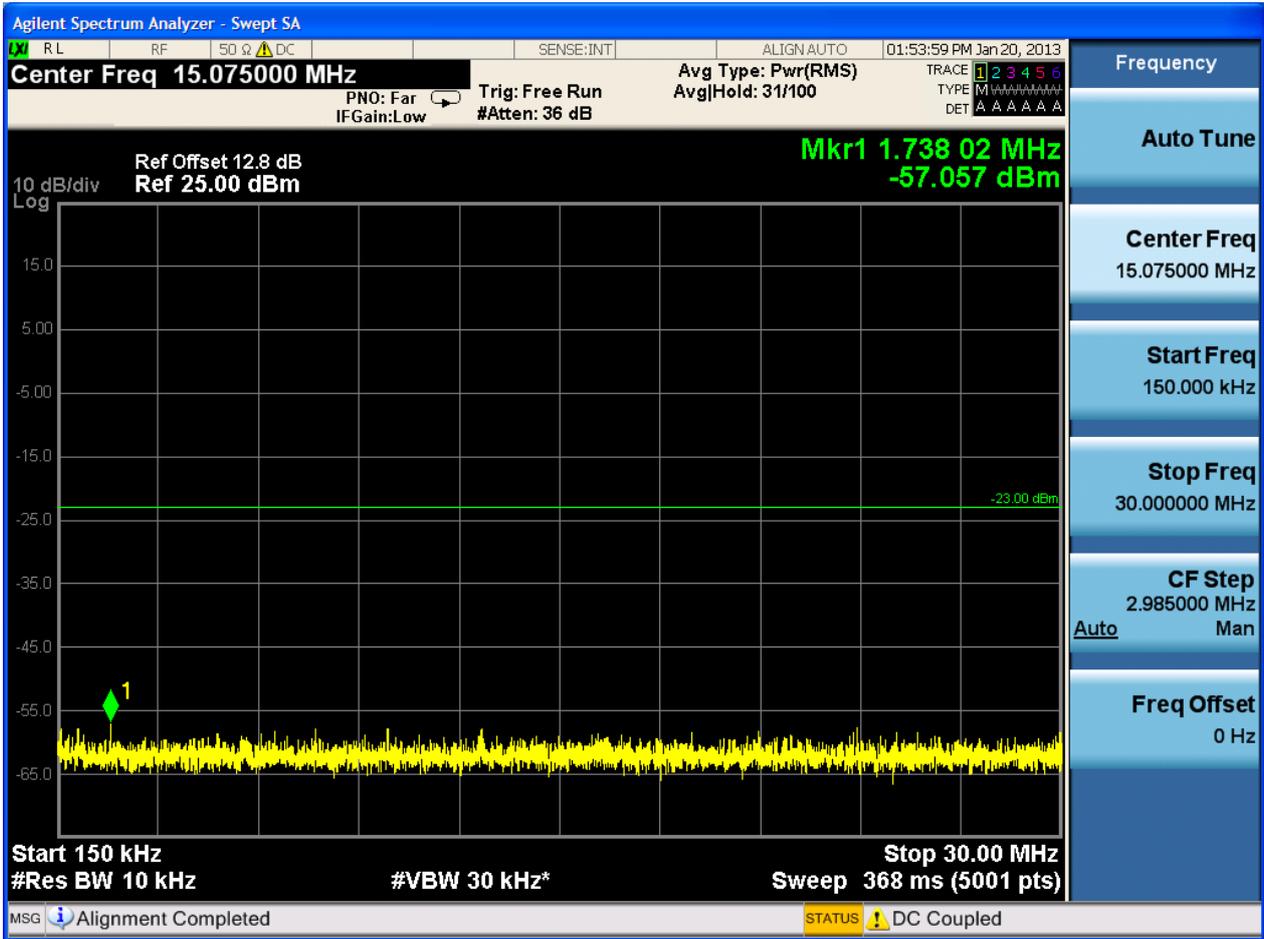


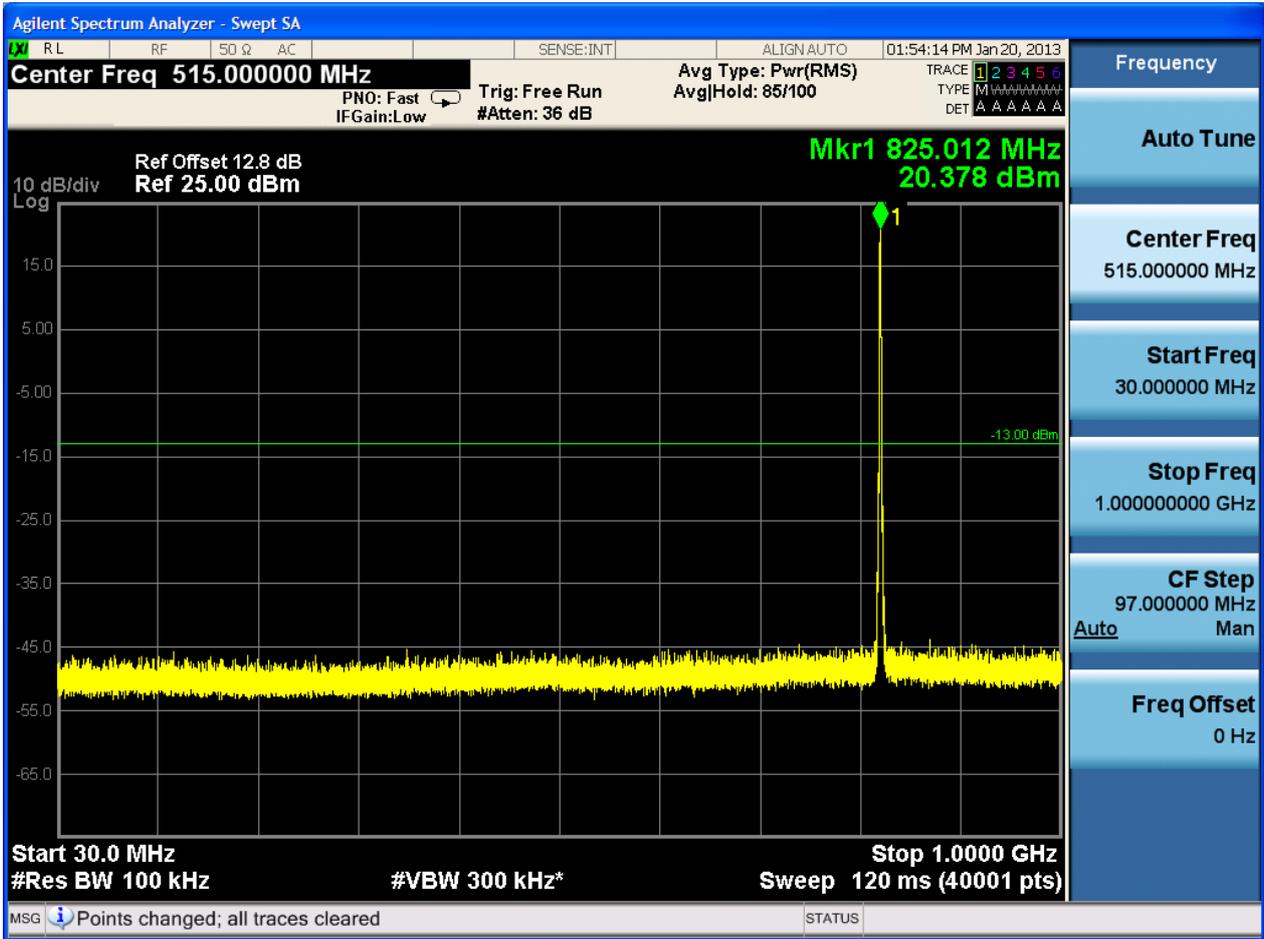


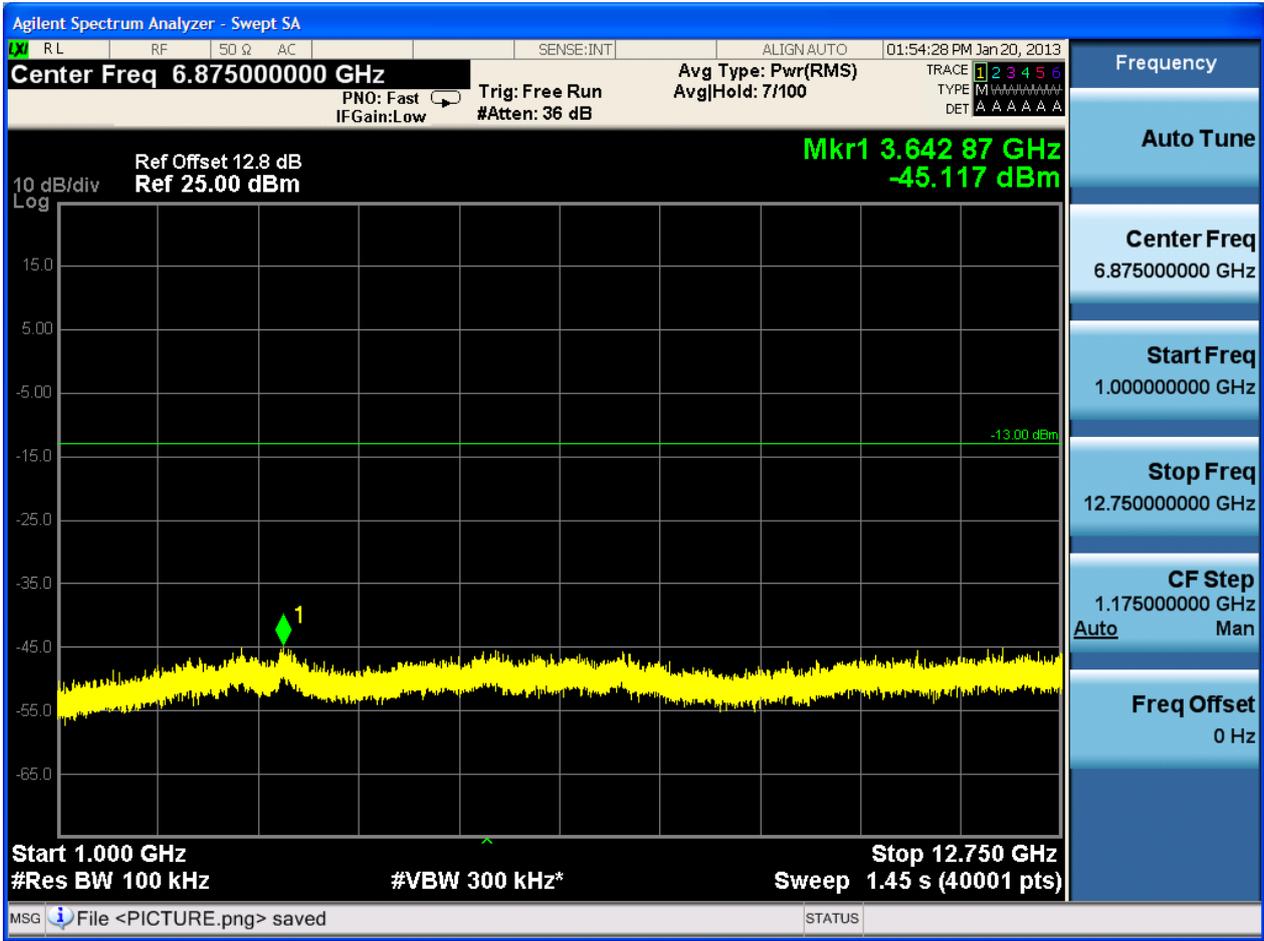
4.2.1.2.2 Test Modulation = QPSK (4096 bits)

4.2.1.2.2.1 Test Channel = LCH



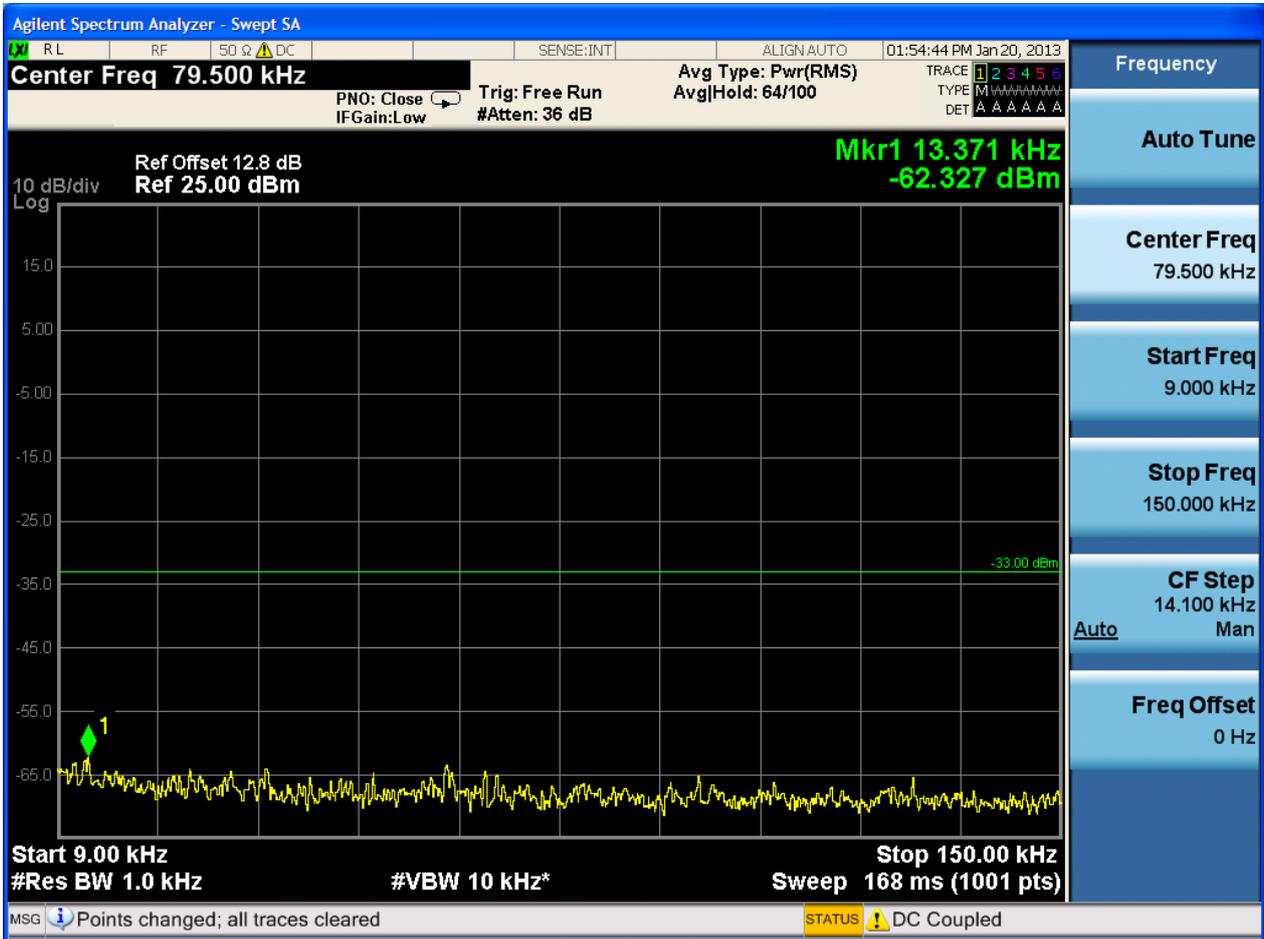


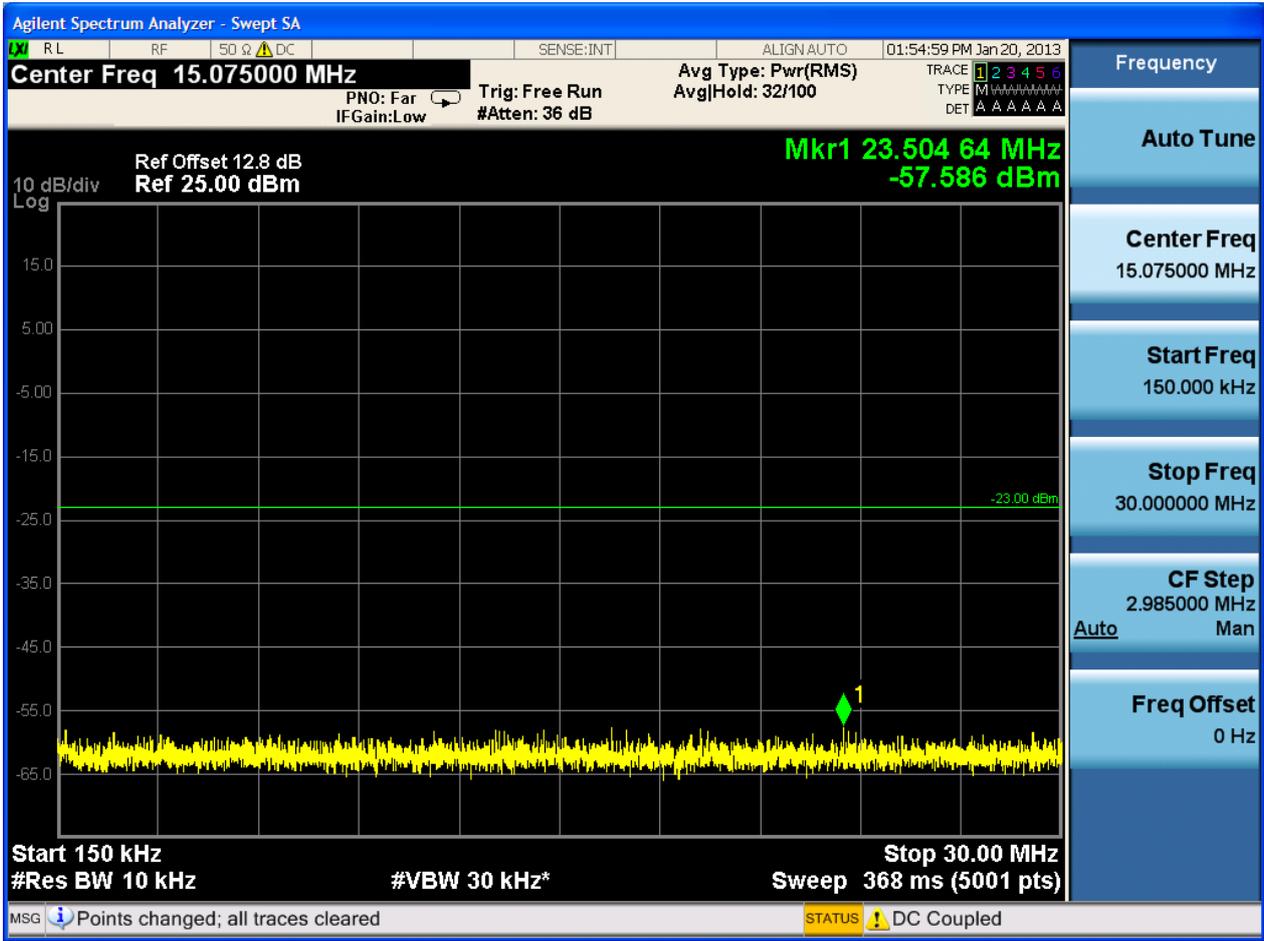


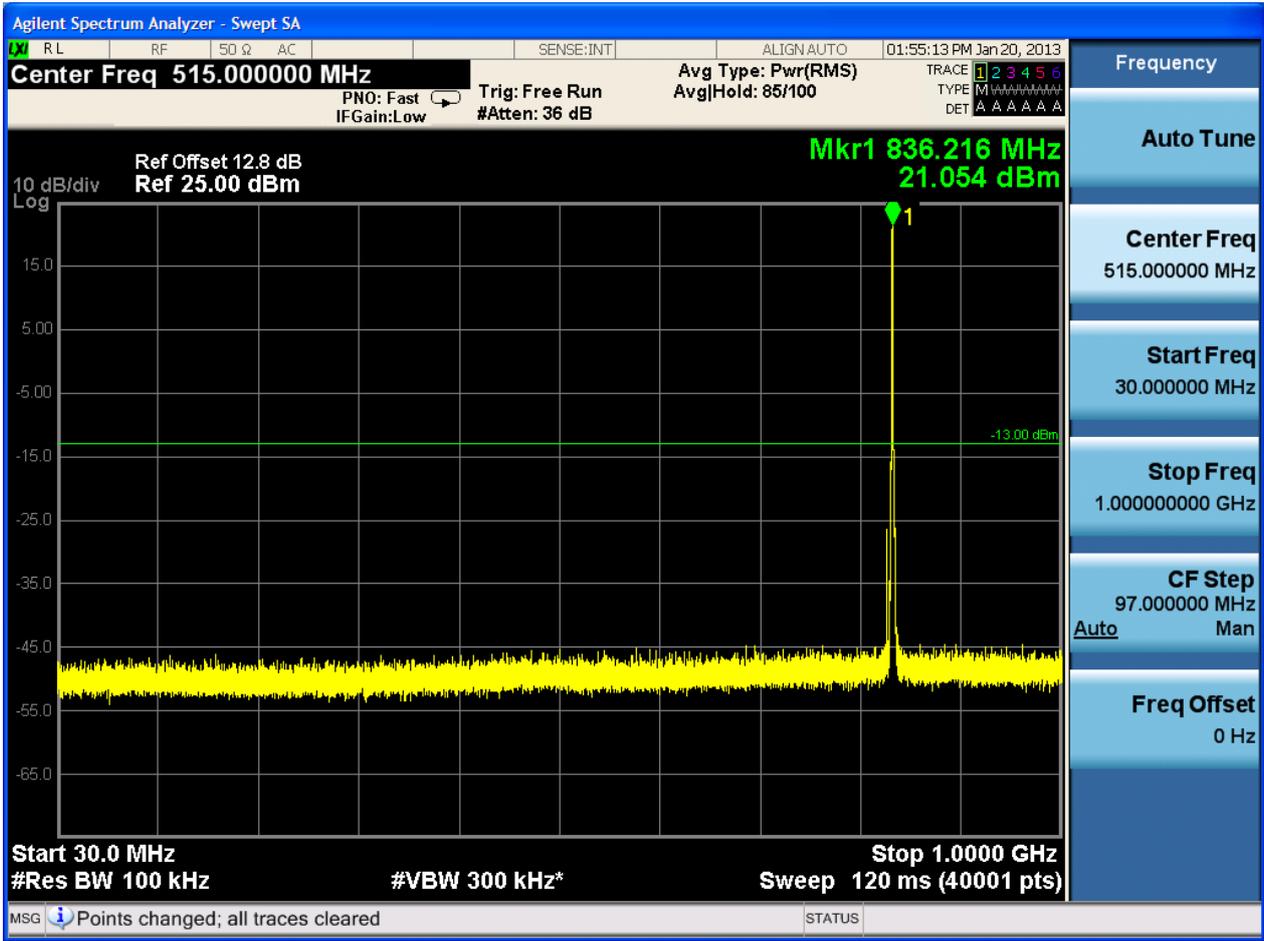


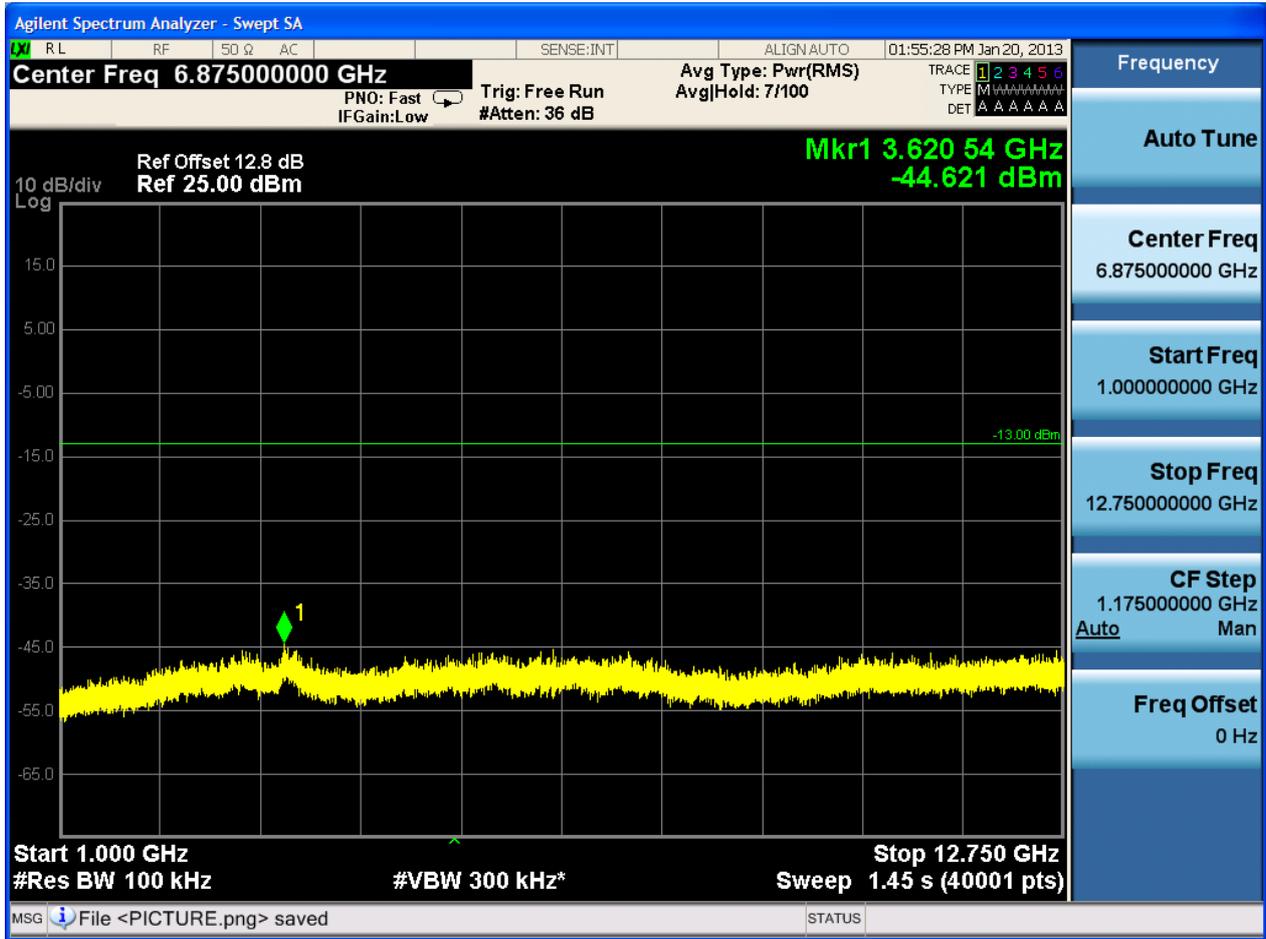


4.2.1.2.2.2 Test Channel = MCH

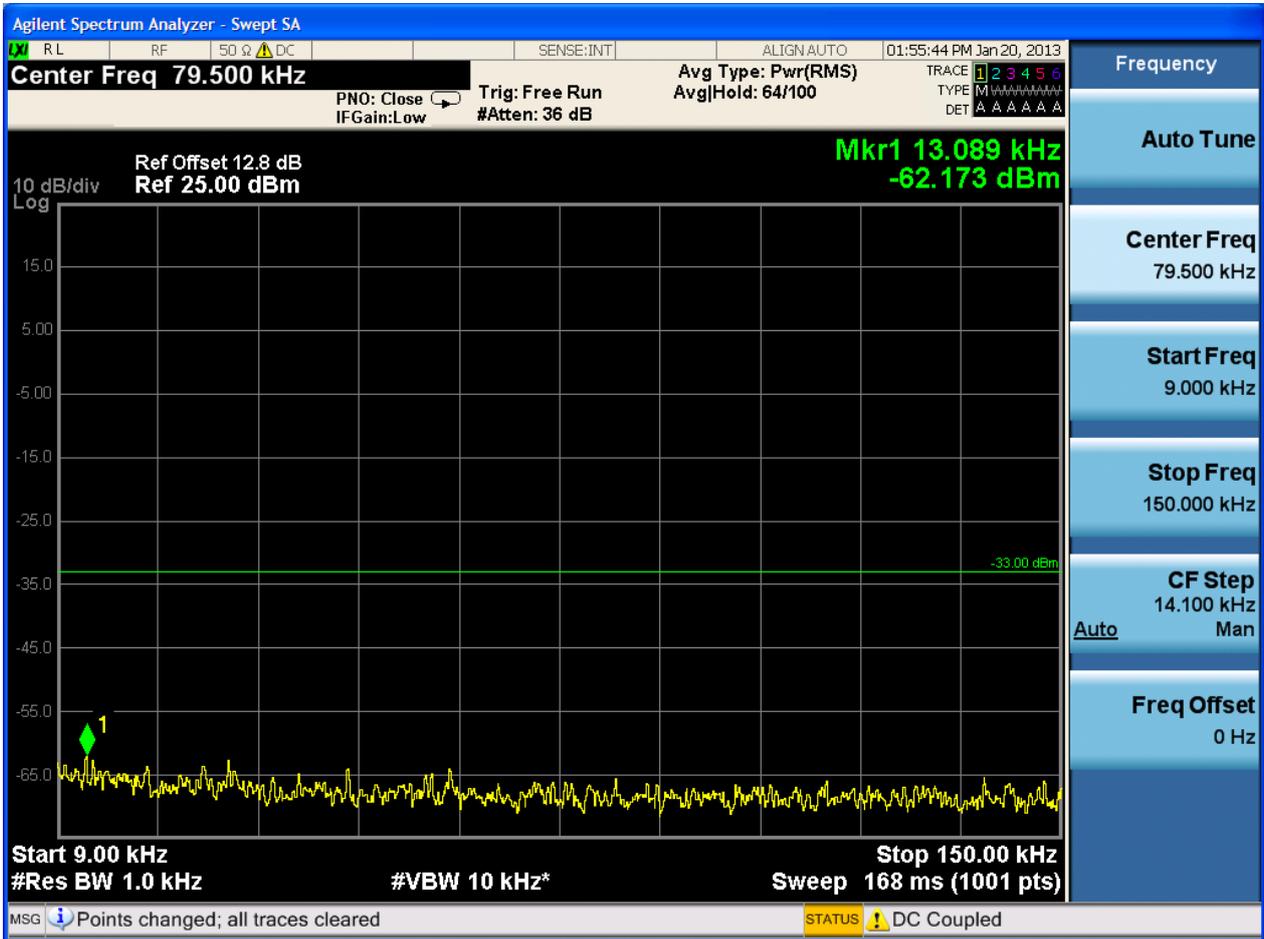


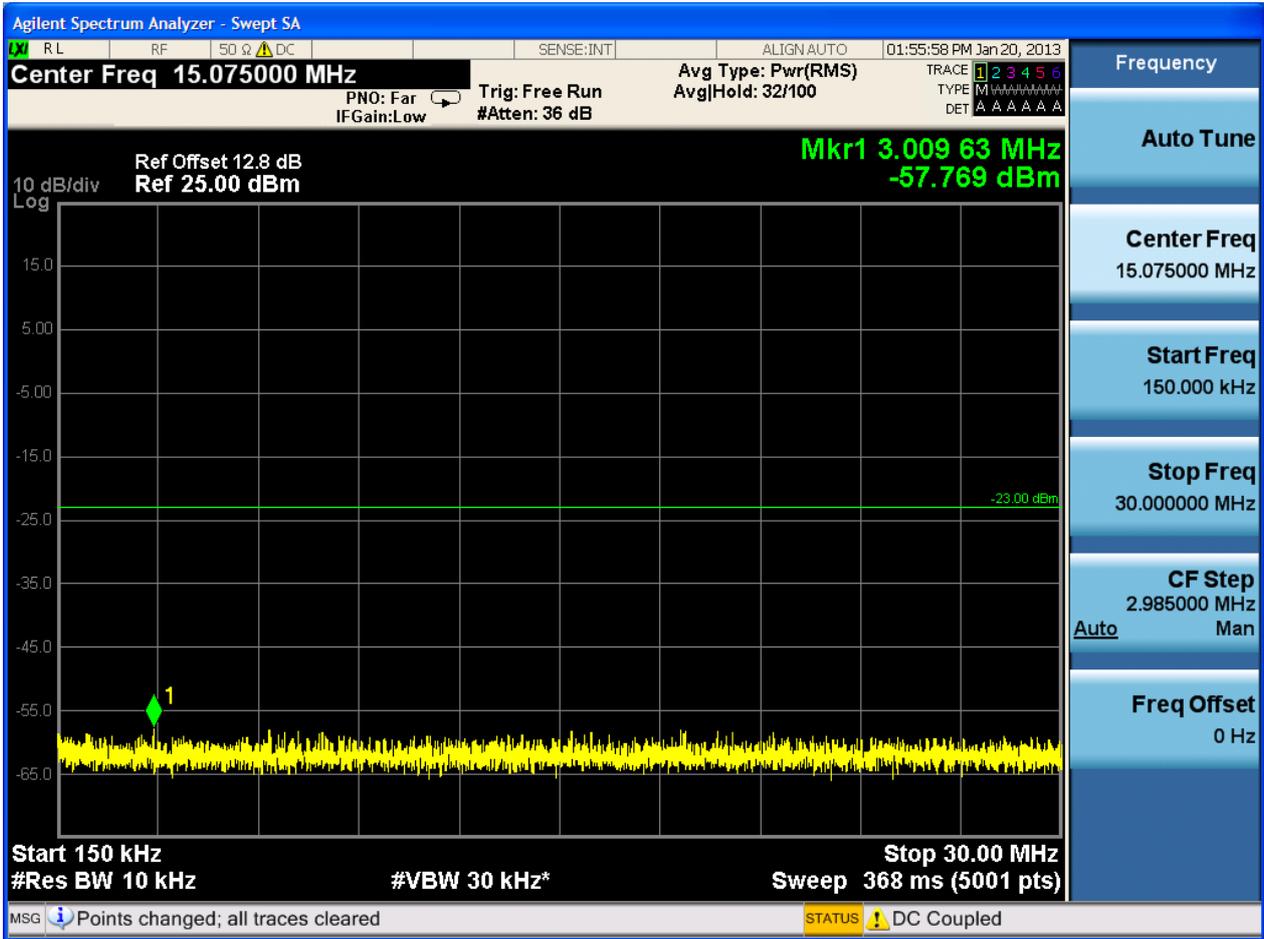


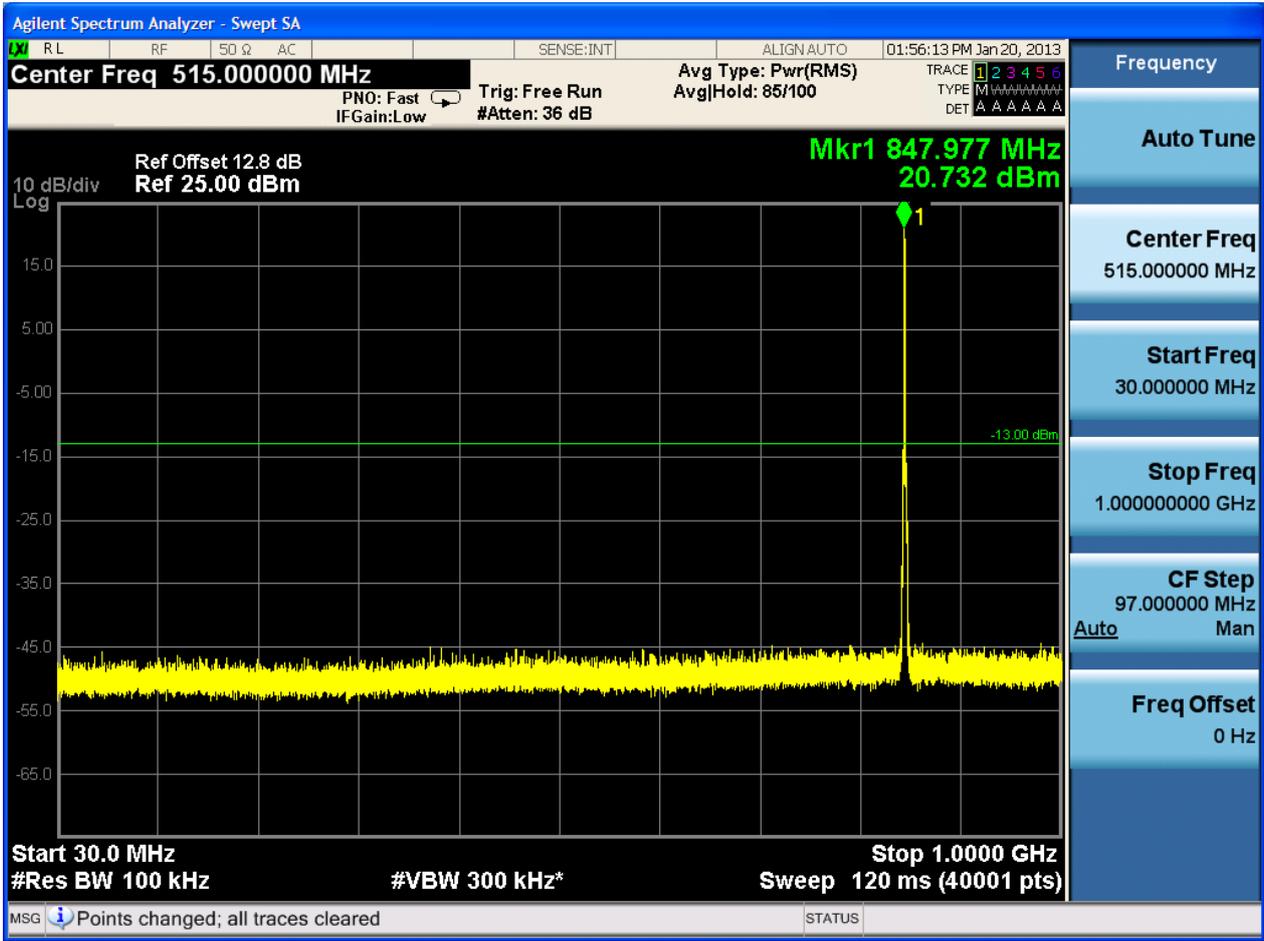


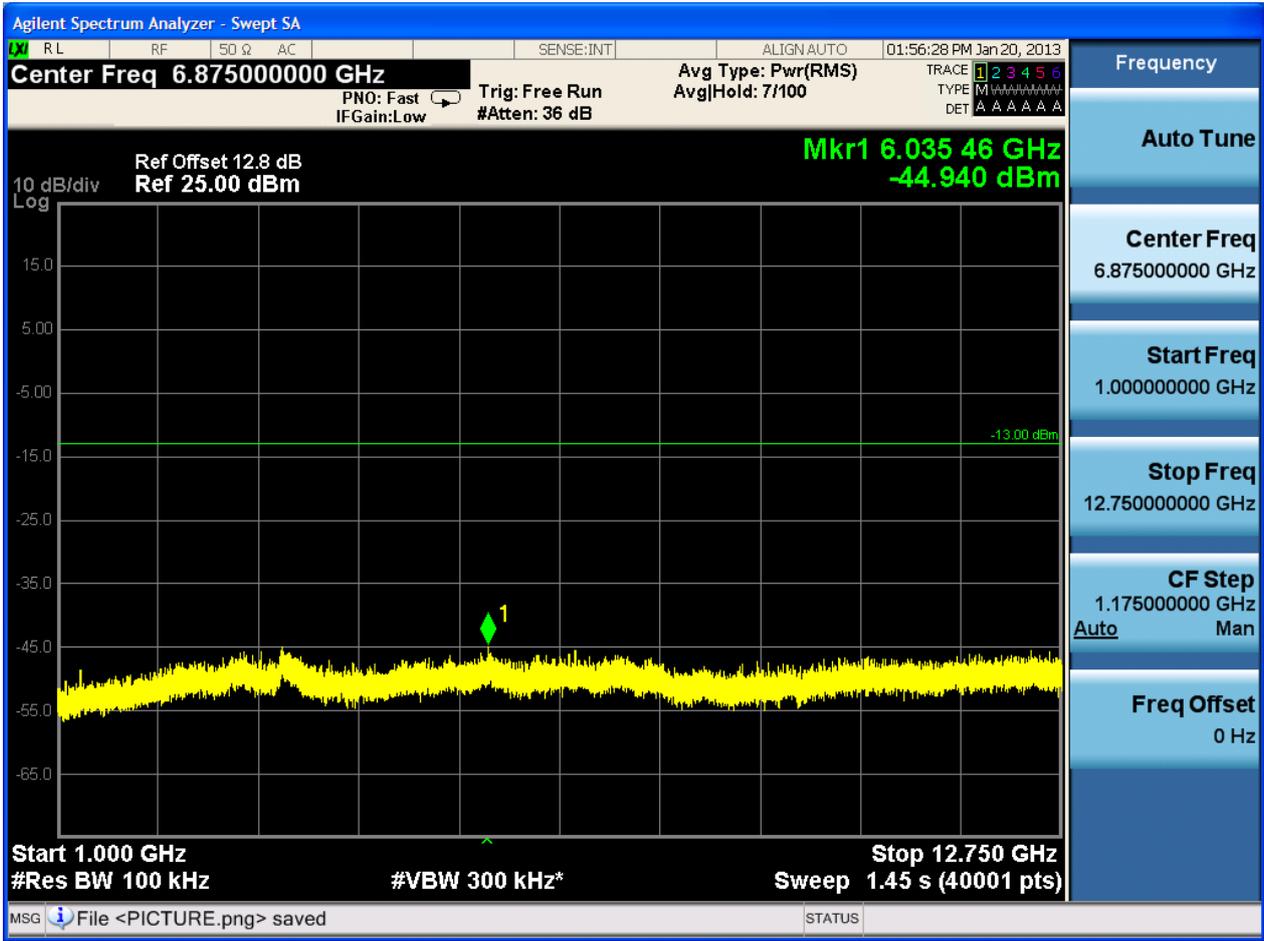


4.2.1.2.2.3 Test Channel = HCH





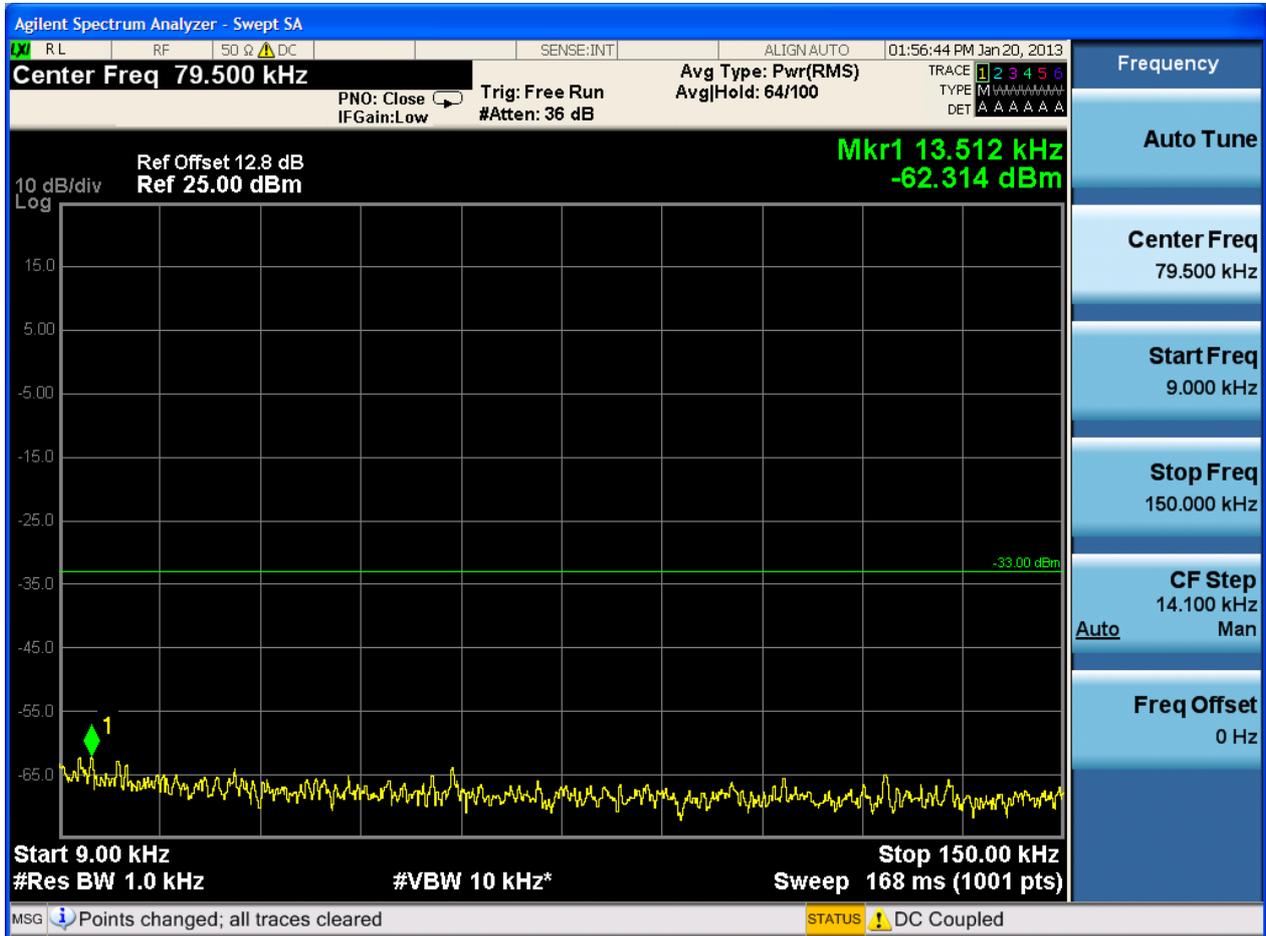


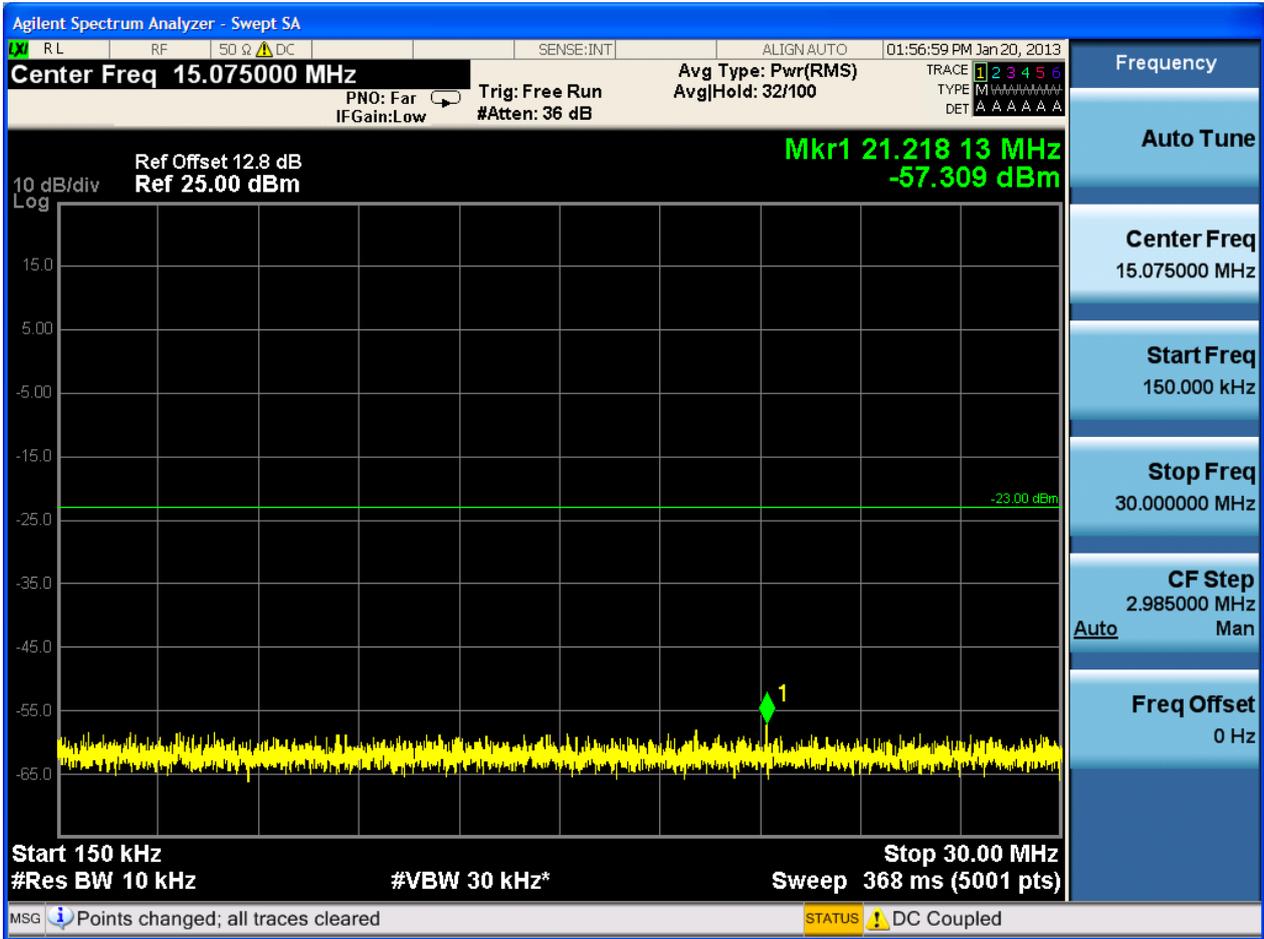


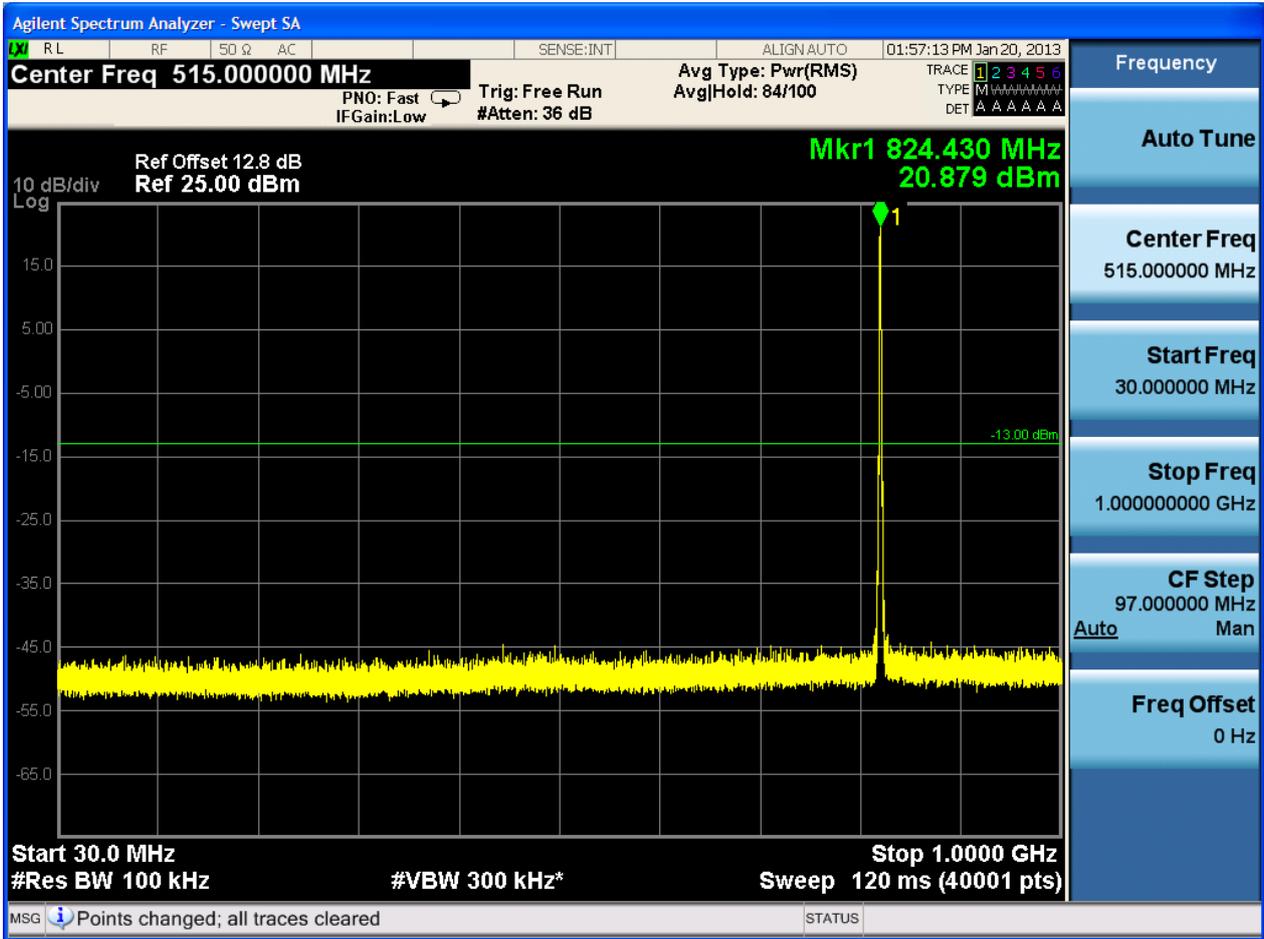


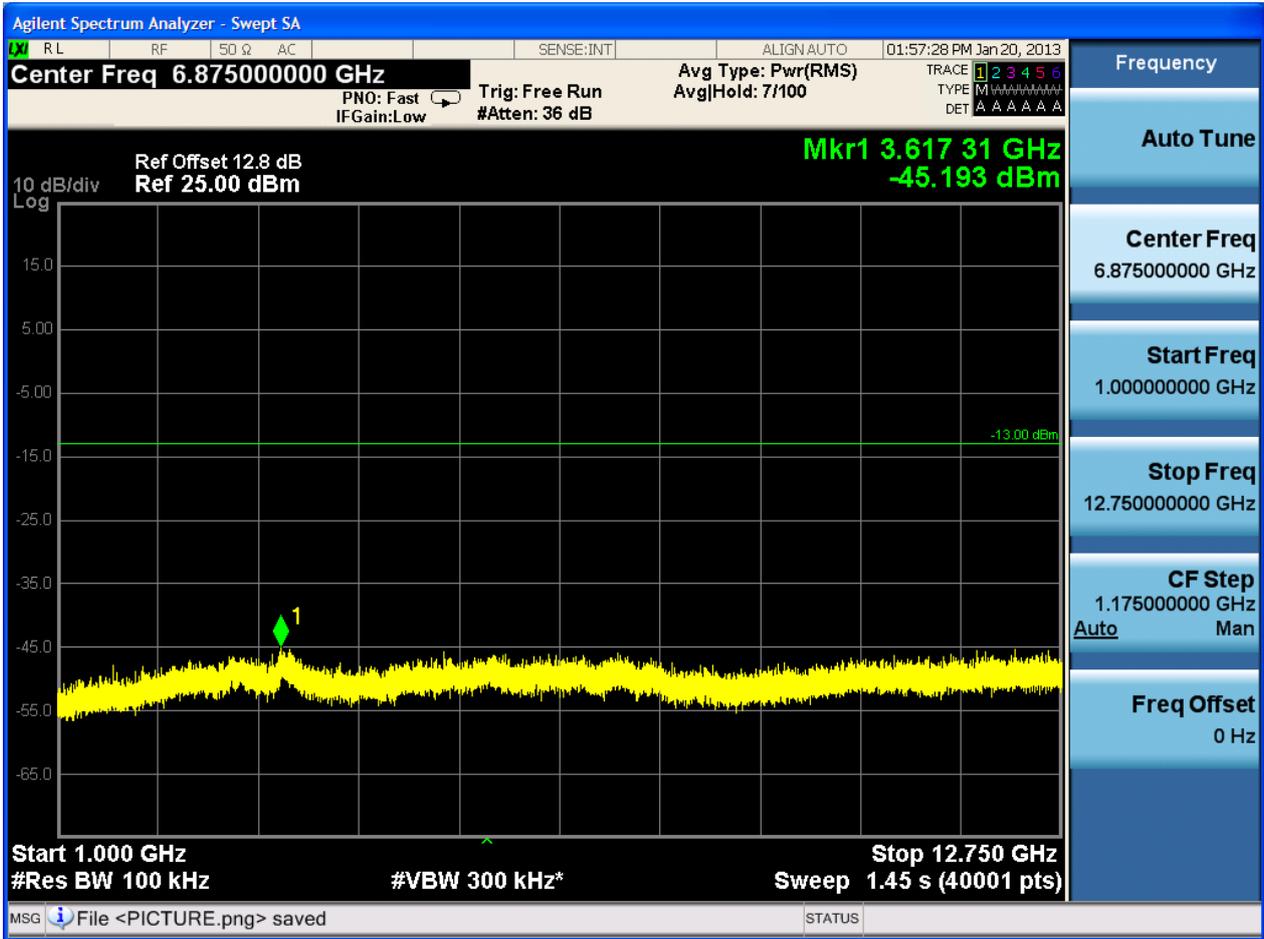
4.2.1.2.3 Test Modulation = 8-PSK (12288 bits)

4.2.1.2.3.1 Test Channel = LCH



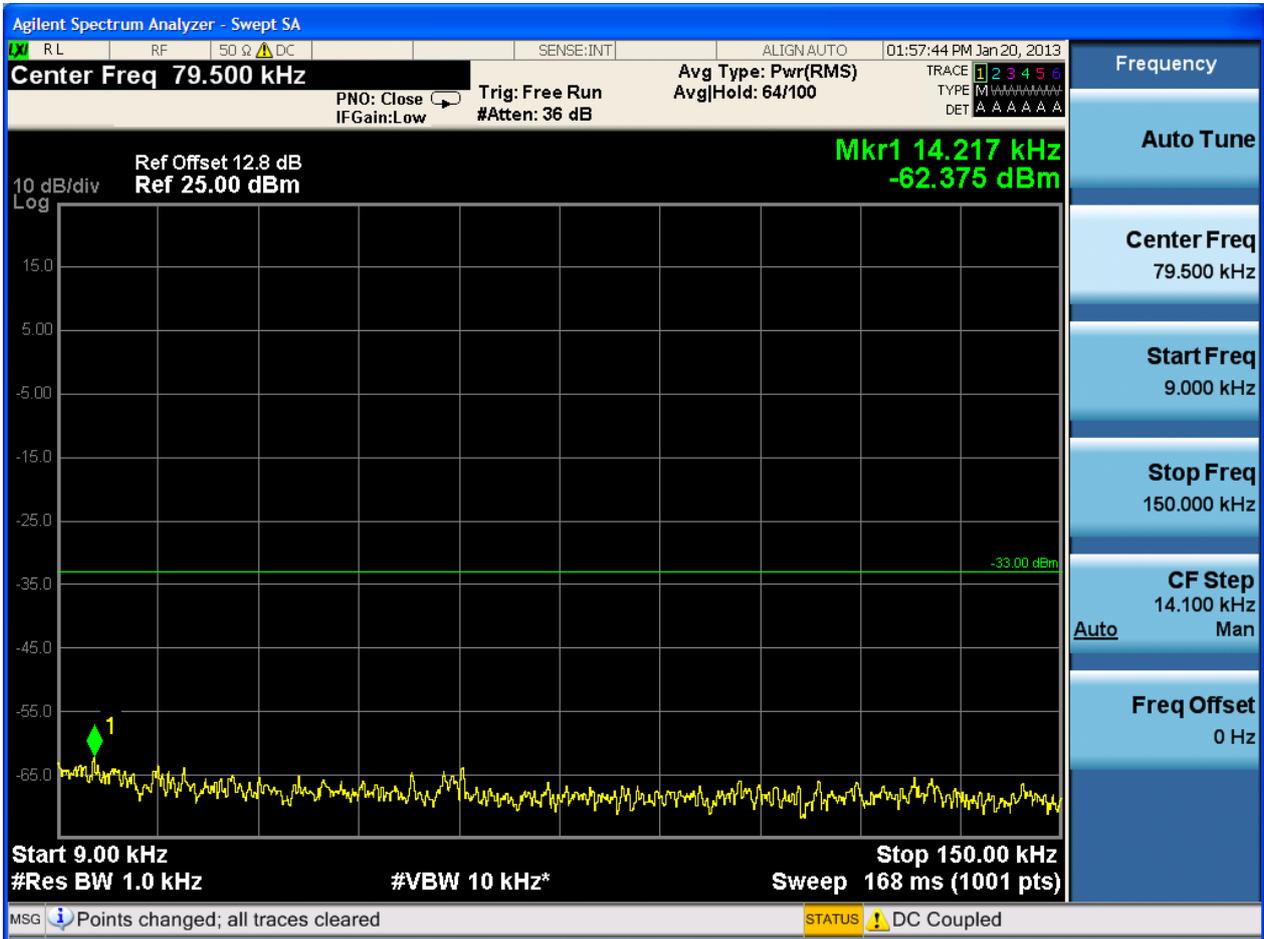


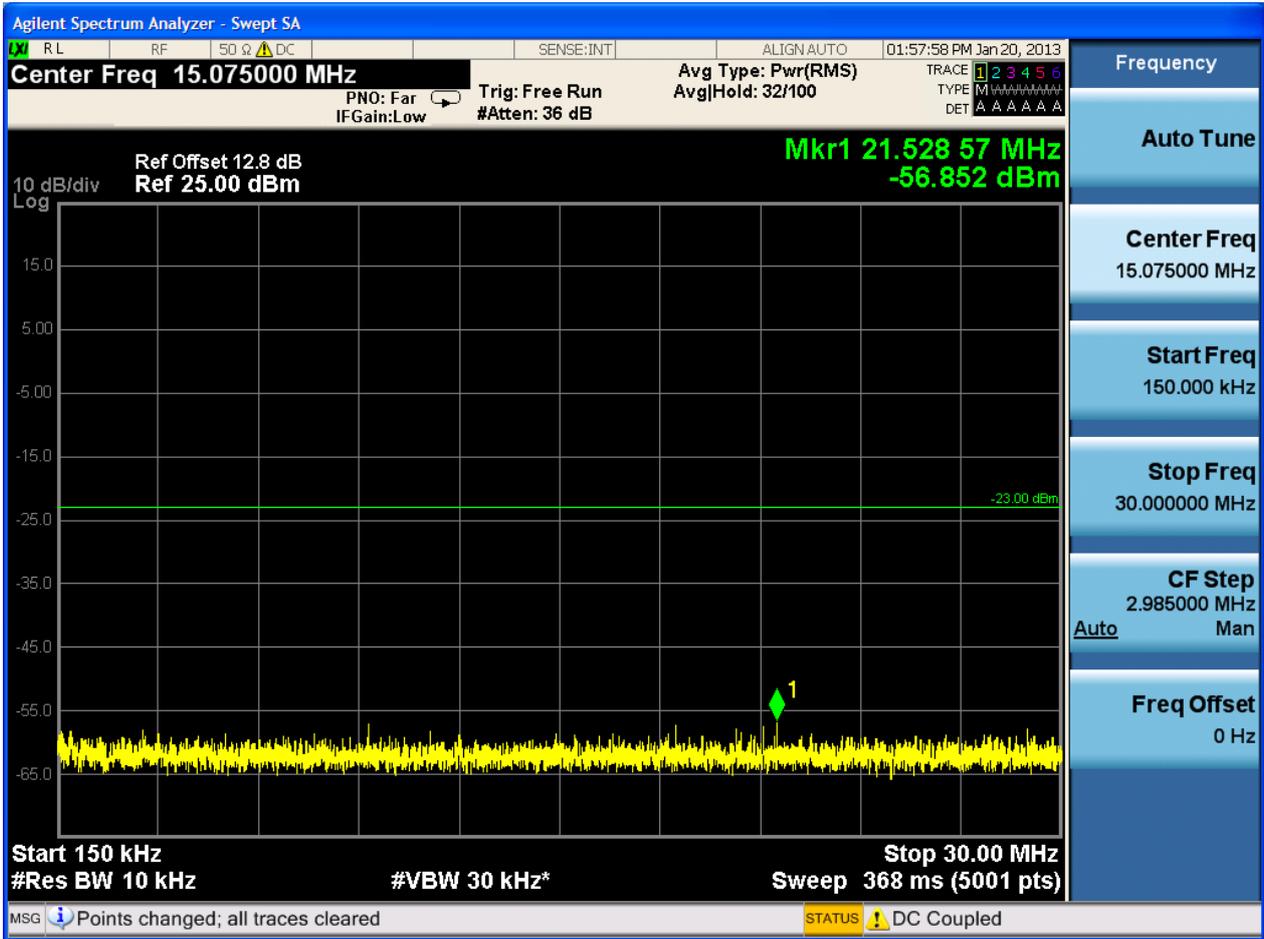


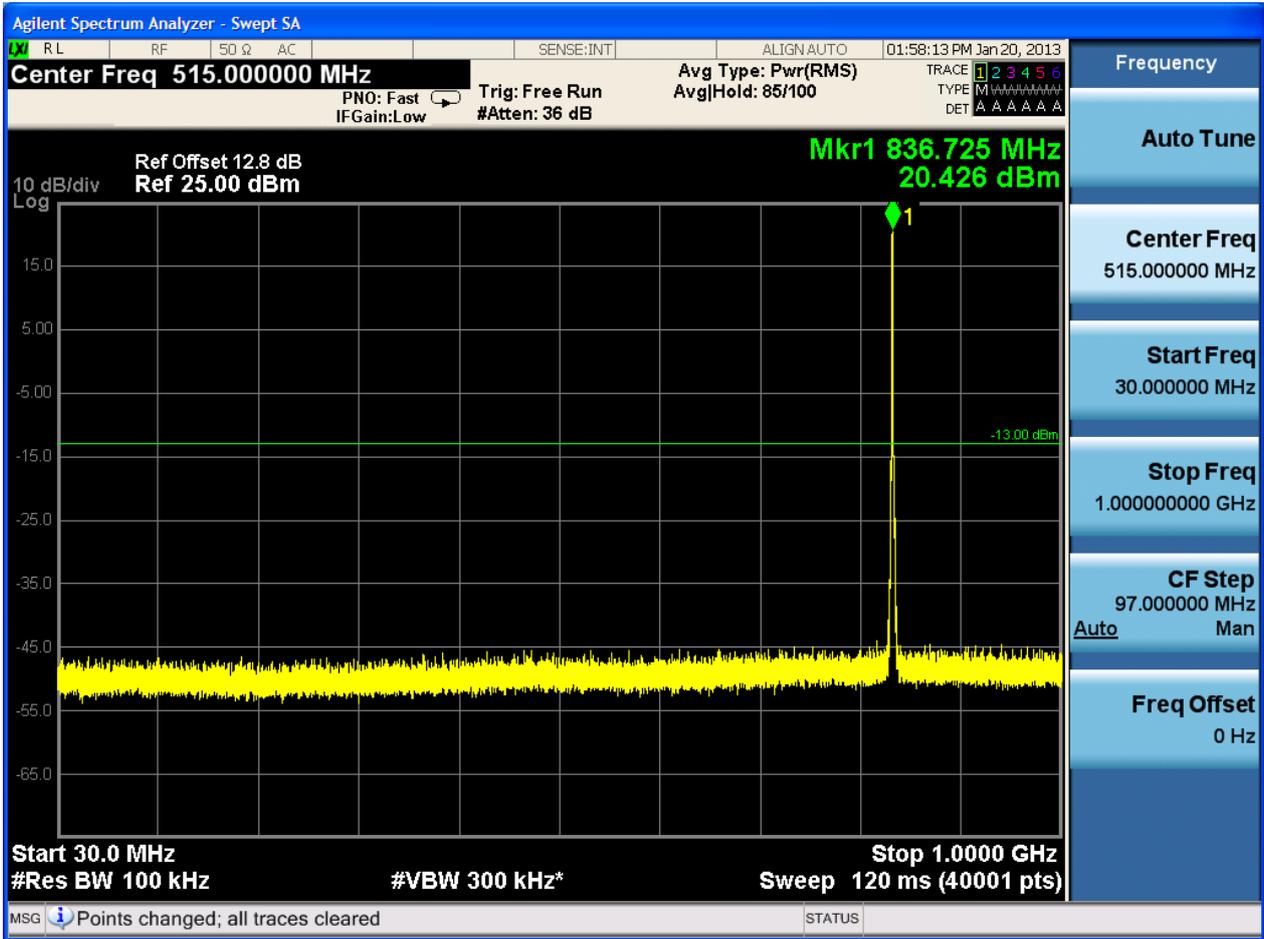


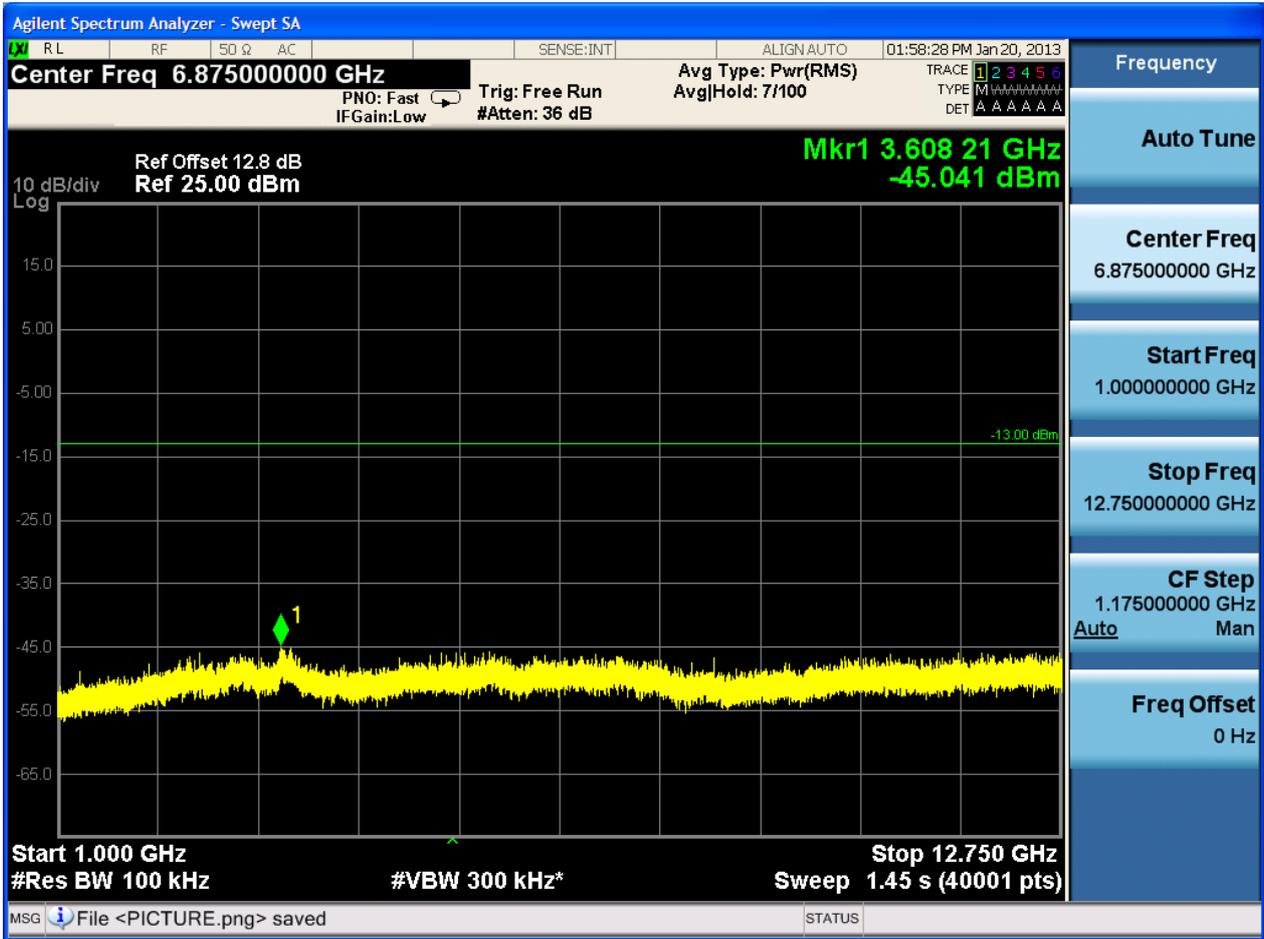


4.2.1.2.3.2 Test Channel = MCH



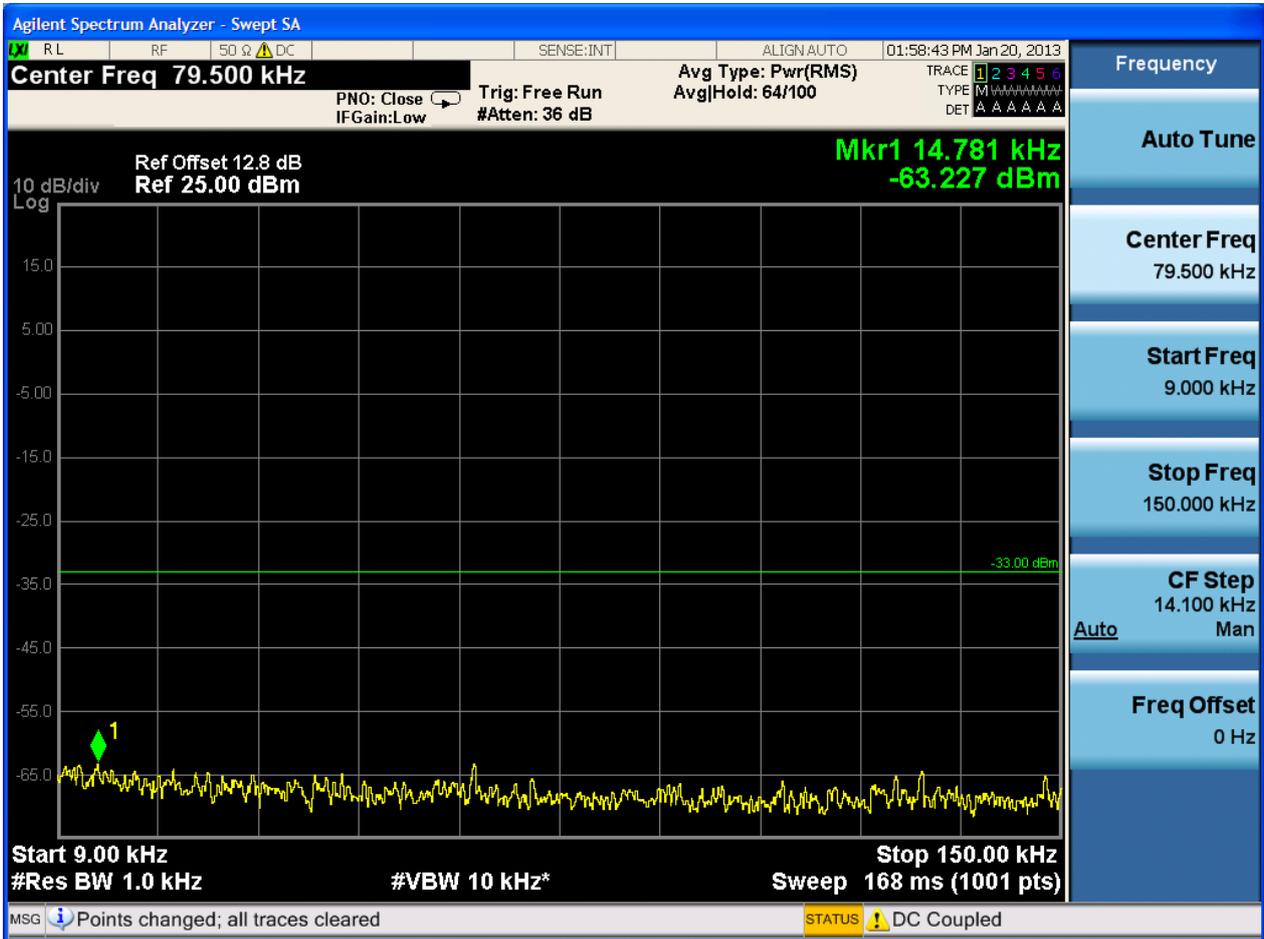


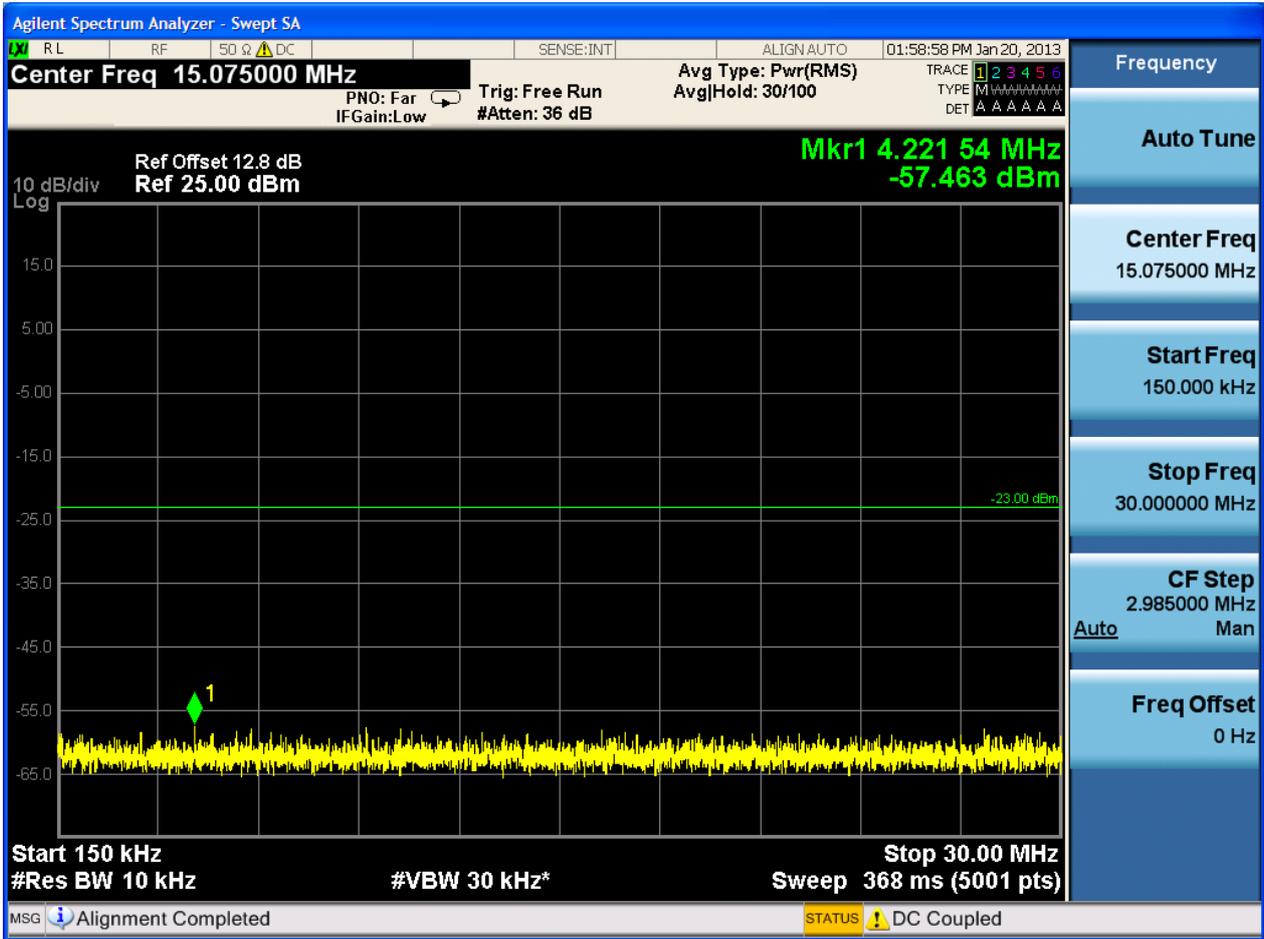


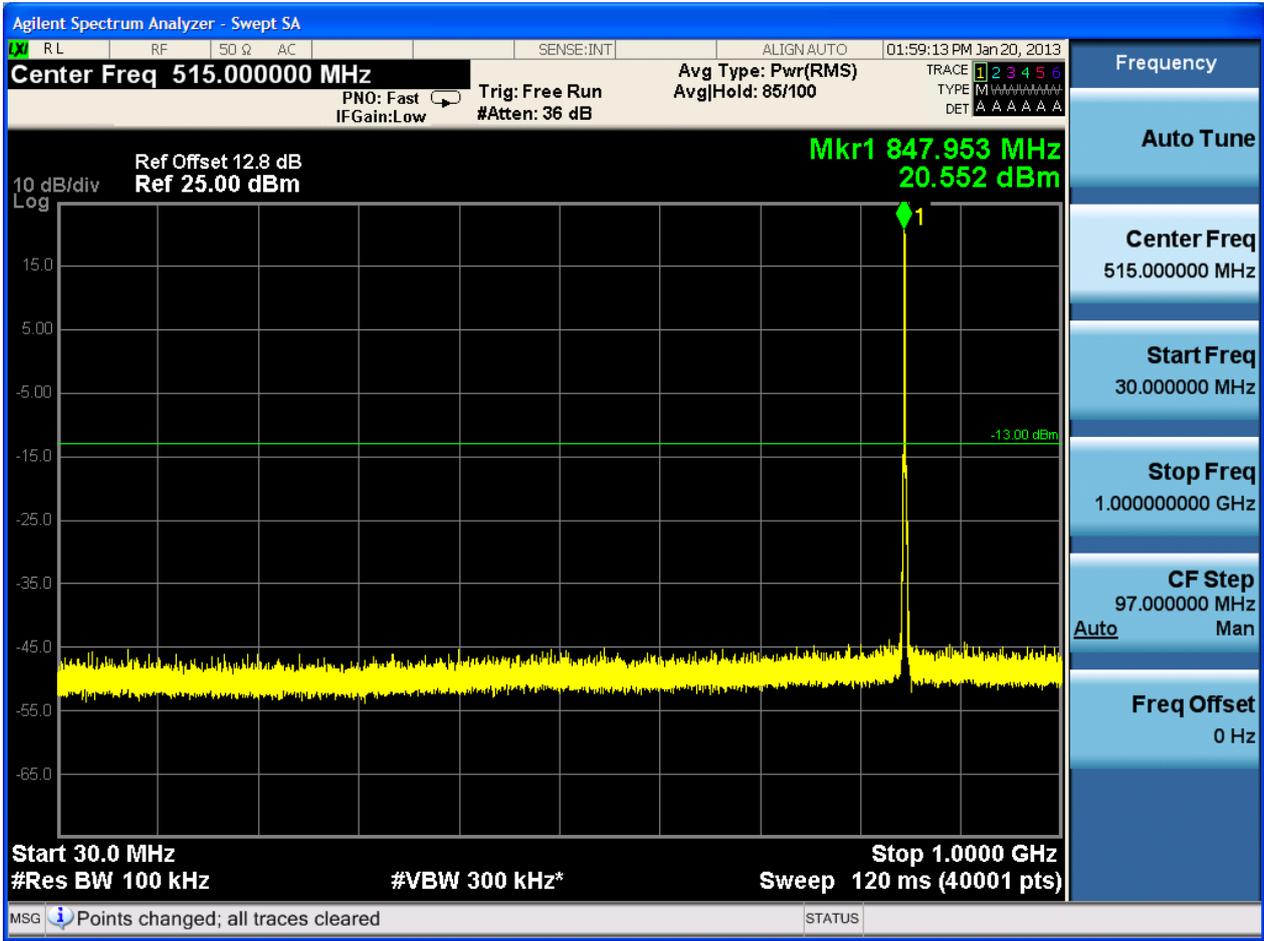


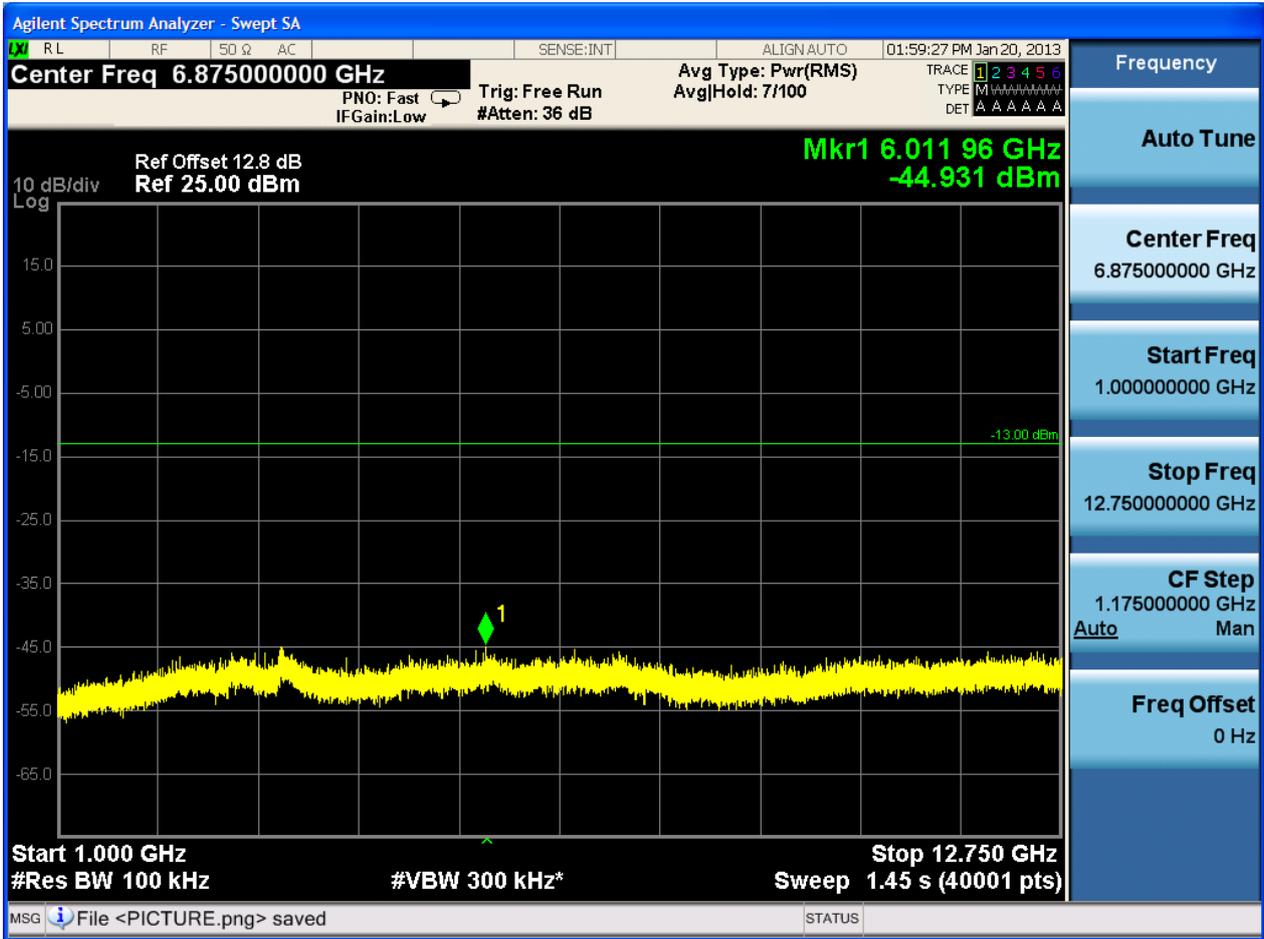


4.2.1.2.3.3 Test Channel = HCH







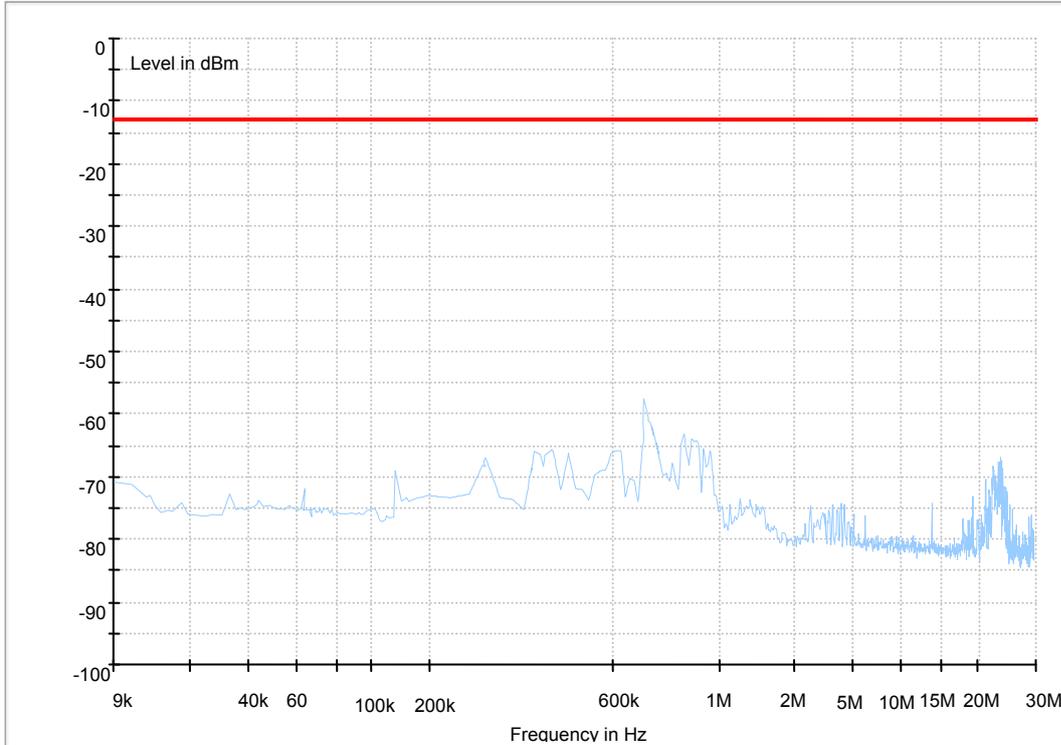




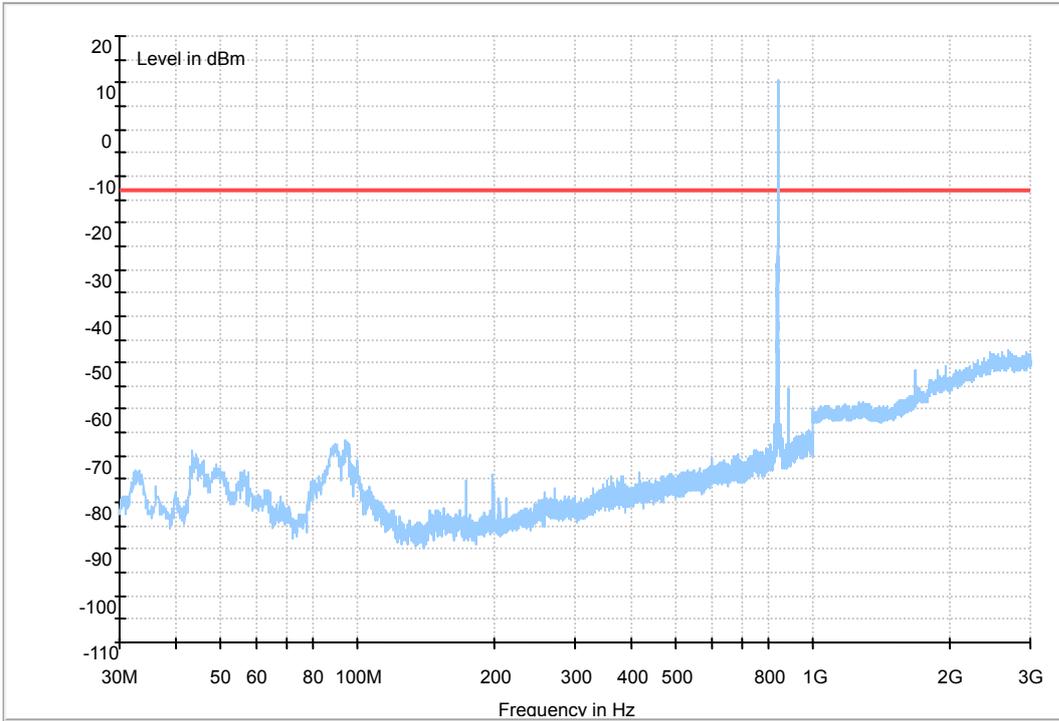
5Appendix_E: Radiated Spurious Emission

CDMA 800

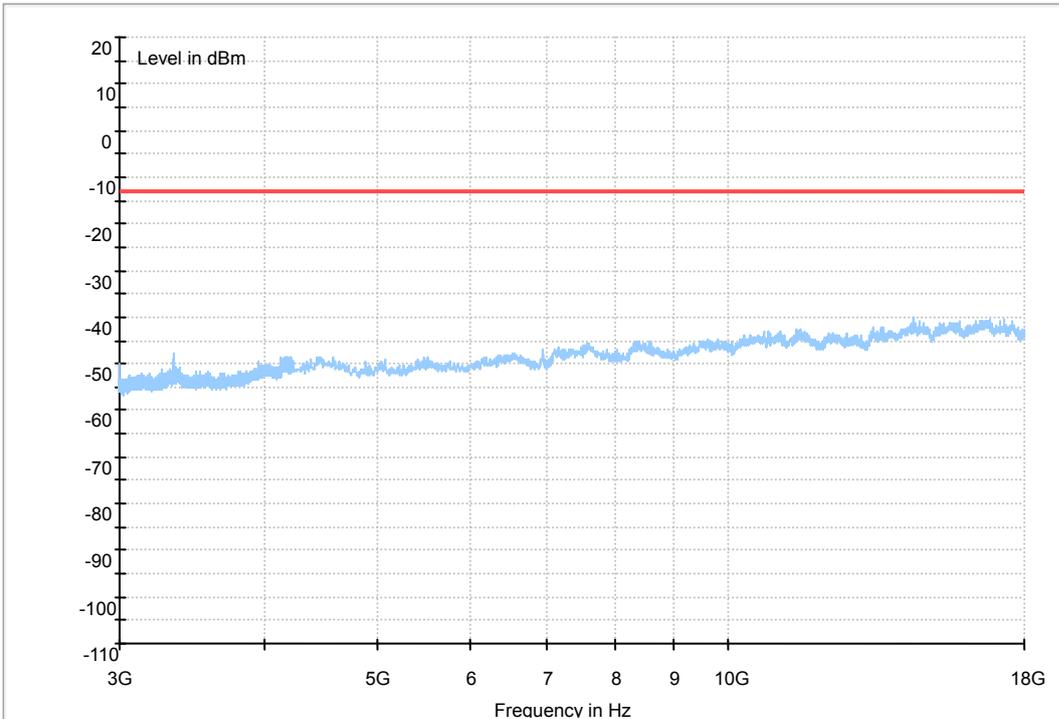
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

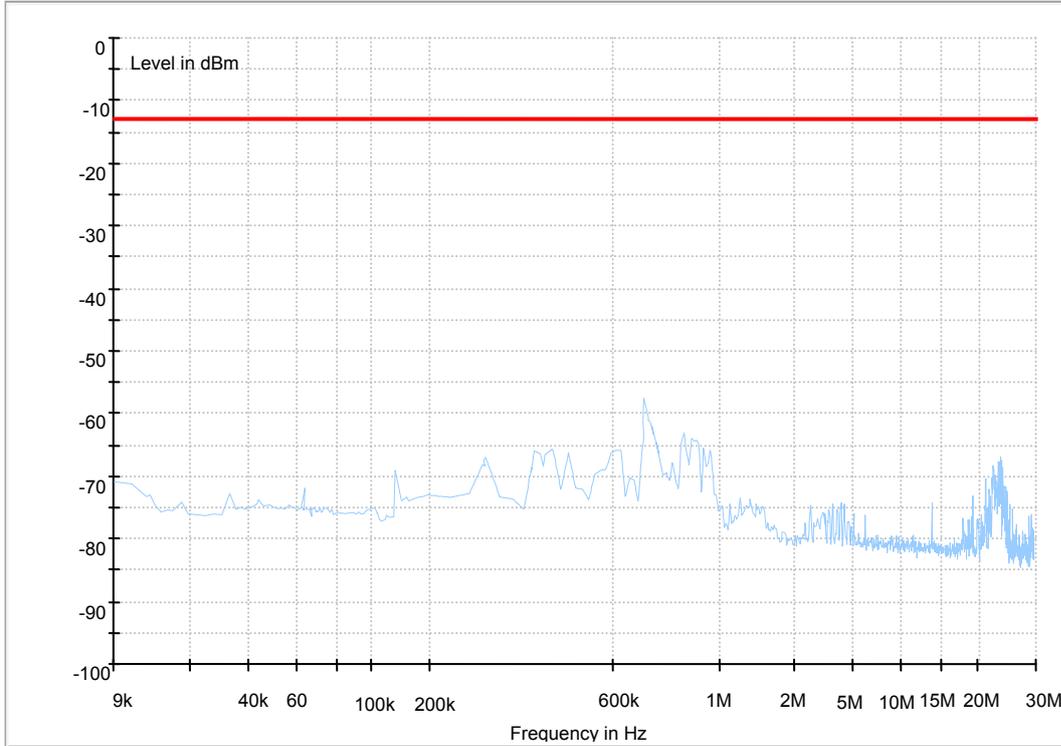


Traffic Mode (3GHz-18GHz)

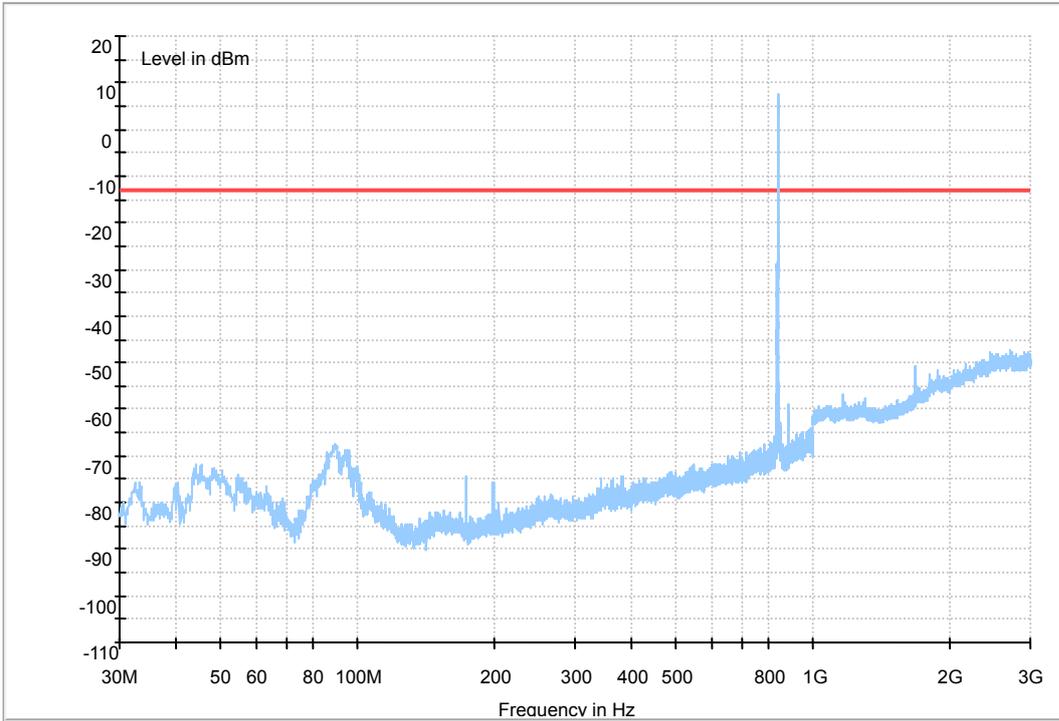


EVDO 800 R.0

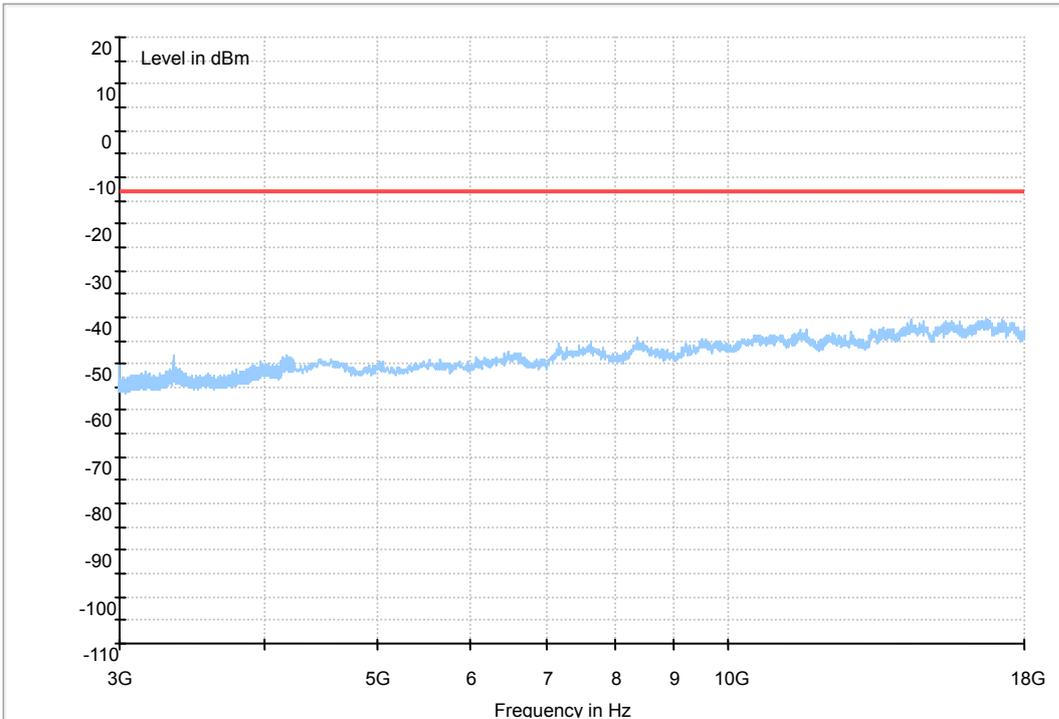
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)

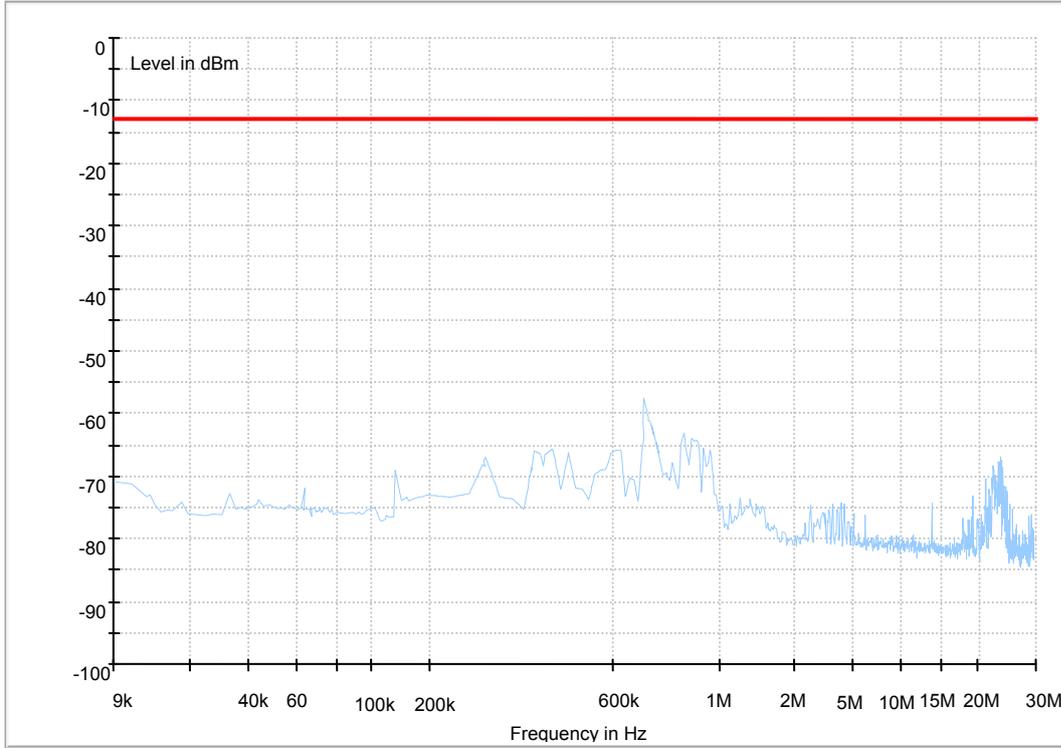


Traffic Mode (3GHz-18GHz)

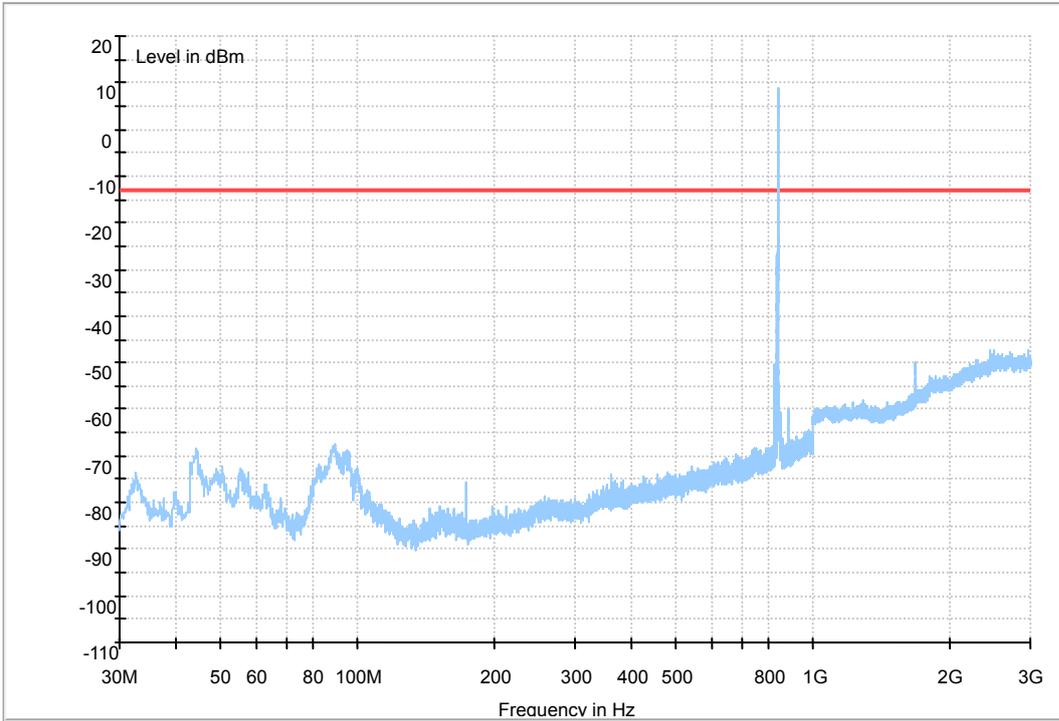


EVDO 800 R.A

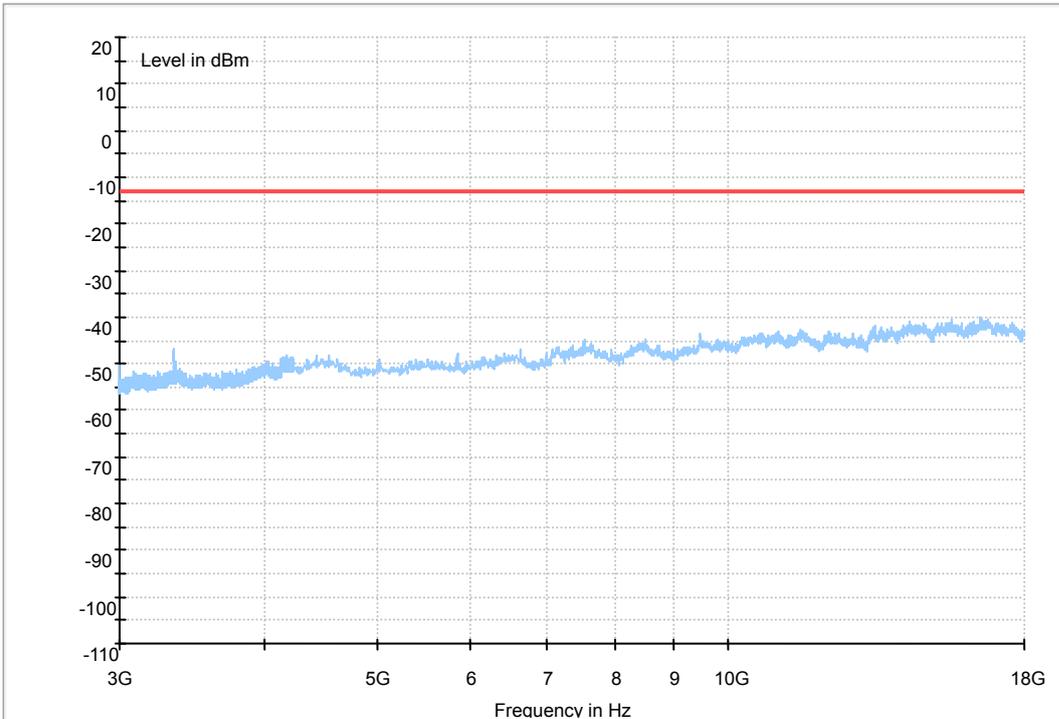
Traffic Mode (9kHz-30MHz)



Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



6Appendix_F: Frequency Stability

5.1 For CDMA/1X

5.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
BC0	CDMA/1X/TM1	LCH	TN	VL	4.2480	0.00515	±2.5	PASS
				VN	8.6426	0.01048	±2.5	PASS
				VH	9.7412	0.01181	±2.5	PASS
		MCH	TN	VL	11.2060	0.0134	±2.5	PASS
				VN	8.7158	0.01042	±2.5	PASS
				VH	10.2539	0.01226	±2.5	PASS
		HCH	TN	VL	10.7666	0.01269	±2.5	PASS
				VN	10.3272	0.01217	±2.5	PASS
				VH	10.9131	0.01286	±2.5	PASS
	CDMA/1X/TM3	LCH	TN	VL	-7.4707	-0.00906	±2.5	PASS
				VN	1.0986	0.00133	±2.5	PASS
				VH	1.1719	0.00142	±2.5	PASS
		MCH	TN	VL	1.6113	0.00193	±2.5	PASS
				VN	0.2197	0.00026	±2.5	PASS
				VH	0.0000	0	±2.5	PASS
		HCH	TN	VL	-0.4395	-0.00052	±2.5	PASS
				VN	0.5859	0.00069	±2.5	PASS
				VH	0.5859	0.00069	±2.5	PASS

5.1.2Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
BC0	CDMA/1X/TM1	LCH	VN	-30	0.5127	0.00062	±2.5	PASS
				-20	9.5215	0.01155	±2.5	PASS
				-10	10.3272	0.01252	±2.5	PASS
				0	9.8877	0.01199	±2.5	PASS
				10	10.1807	0.01234	±2.5	PASS
				20	9.9609	0.01208	±2.5	PASS
				30	10.1807	0.01234	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				40	10.4736	0.0127	±2.5	PASS
				50	10.6201	0.01288	±2.5	PASS
		MCH	VN	-30	10.5469	0.01261	±2.5	PASS
				-20	10.1807	0.01217	±2.5	PASS
				-10	9.9609	0.01191	±2.5	PASS
				0	10.1074	0.01208	±2.5	PASS
				10	9.8877	0.01182	±2.5	PASS
				20	10.0342	0.012	±2.5	PASS
				30	9.6680	0.01156	±2.5	PASS
				40	10.2539	0.01226	±2.5	PASS
				50	10.1074	0.01208	±2.5	PASS
				HCH	VN	-30	11.4990	0.01356
		-20	10.5469			0.01243	±2.5	PASS
		-10	10.8398			0.01278	±2.5	PASS
		0	10.2539			0.01209	±2.5	PASS
		10	10.4004			0.01226	±2.5	PASS
		20	10.9131			0.01286	±2.5	PASS
		30	10.7666			0.01269	±2.5	PASS
		40	10.6201			0.01252	±2.5	PASS
		CDMA/1X/TM3	LCH	VN	-30	-7.6904	-0.00933	±2.5
	-20				1.9775	0.0024	±2.5	PASS
	-10				1.6113	0.00195	±2.5	PASS
	0				0.7324	0.00089	±2.5	PASS
	10				0.7324	0.00089	±2.5	PASS
	20				0.3662	0.00044	±2.5	PASS
	30				0.4395	0.00053	±2.5	PASS
	40				0.3662	0.00044	±2.5	PASS
	MCH		VN	-30	0.8057	0.00096	±2.5	PASS
				-20	0.1465	0.00018	±2.5	PASS
				-10	0.3662	0.00044	±2.5	PASS
				0	-0.1465	-0.00018	±2.5	PASS
				10	0.0732	0.00009	±2.5	PASS
				20	0.1465	0.00018	±2.5	PASS
				30	0.2197	0.00026	±2.5	PASS
				40	0.1465	0.00018	±2.5	PASS
	HCH	VN	-30	-0.2197	-0.00026	±2.5	PASS	
-20			0.5859	0.00069	±2.5	PASS		

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				-10	0.5127	0.0006	±2.5	PASS
				0	0.0732	0.00009	±2.5	PASS
				10	0.2930	0.00035	±2.5	PASS
				20	0.3662	0.00043	±2.5	PASS
				30	0.3662	0.00043	±2.5	PASS
				40	0.3662	0.00043	±2.5	PASS
				50	0.5127	0.0006	±2.5	PASS

5.2 For CDMA/EV-DO

5.2.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
BC0	CDMA/EV-DO/Subtype0	LCH	TN	VL	-0.15	-0.00018	±2.5	PASS
				VN	-1.98	-0.0024	±2.5	PASS
				VH	0.29	0.00035	±2.5	PASS
		MCH	TN	VL	0.88	0.00105	±2.5	PASS
				VN	-0.66	-0.00079	±2.5	PASS
				VH	2.64	0.00316	±2.5	PASS
		HCH	TN	VL	-2.78	-0.00328	±2.5	PASS
				VN	-2.64	-0.00311	±2.5	PASS
				VH	-2.93	-0.00345	±2.5	PASS
	CDMA/EV-DO/Subtype2	LCH	TN	VL	1.25	0.00152	±2.5	PASS
				VN	1.10	0.00133	±2.5	PASS
				VH	-0.07	-0.00008	±2.5	PASS
		MCH	TN	VL	-2.64	-0.00316	±2.5	PASS
				VN	3.74	0.00447	±2.5	PASS
				VH	1.61	0.00192	±2.5	PASS
		HCH	TN	VL	0.73	0.00086	±2.5	PASS
				VN	3.88	0.00457	±2.5	PASS
				VH	0.37	0.00044	±2.5	PASS

5.2.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
BC0	CDMA/EV-DO/Subtype0	LCH	VN	-30	-6.23	-0.00755	±2.5	PASS
				-20	2.86	0.00347	±2.5	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict	
				-10	2.64	0.0032	±2.5	PASS	
				0	3.30	0.004	±2.5	PASS	
				10	-1.17	-0.00142	±2.5	PASS	
				20	-0.73	-0.00089	±2.5	PASS	
				30	-0.07	-0.00008	±2.5	PASS	
				40	0.51	0.00062	±2.5	PASS	
				50	-1.76	-0.00213	±2.5	PASS	
		MCH	VN	-30	-2.34	-0.0028	±2.5	PASS	
				-20	-0.51	-0.00061	±2.5	PASS	
				-10	-0.22	-0.00026	±2.5	PASS	
				0	-0.22	-0.00026	±2.5	PASS	
				10	-1.39	-0.00166	±2.5	PASS	
				20	1.25	0.00149	±2.5	PASS	
				30	2.93	0.0035	±2.5	PASS	
		HCH	VN	40	0.00	0	±2.5	PASS	
				50	0.81	0.00097	±2.5	PASS	
				-30	0.00	0	±2.5	PASS	
				-20	4.10	0.00483	±2.5	PASS	
				-10	1.32	0.00156	±2.5	PASS	
				0	0.88	0.00104	±2.5	PASS	
				10	1.25	0.00147	±2.5	PASS	
		CDMA/EV-DO/Subtype2	LCH	VN	20	0.73	0.00086	±2.5	PASS
					30	-4.69	-0.00553	±2.5	PASS
					40	0.88	0.00104	±2.5	PASS
					50	-0.15	-0.00018	±2.5	PASS
					-30	0.81	0.00098	±2.5	PASS
			MCH	VN	-20	-0.37	-0.00045	±2.5	PASS
	-10				0.81	0.00098	±2.5	PASS	
	0				2.49	0.00302	±2.5	PASS	
	10				0.00	0	±2.5	PASS	
	20				-0.44	-0.00053	±2.5	PASS	
				30	-0.66	-0.0008	±2.5	PASS	
				40	-0.29	-0.00035	±2.5	PASS	
50				0.66	0.0008	±2.5	PASS		
-30				0.44	0.00053	±2.5	PASS		
-20				1.03	0.00123	±2.5	PASS		
			-10	1.54	0.00184	±2.5	PASS		
			0	2.49	0.00298	±2.5	PASS		
			10	0.66	0.00079	±2.5	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				20	-0.59	-0.00071	±2.5	PASS
				30	-0.88	-0.00105	±2.5	PASS
				40	0.00	0	±2.5	PASS
				50	1.39	0.00166	±2.5	PASS
		HCH	VN	-30	1.32	0.00156	±2.5	PASS
				-20	0.81	0.00095	±2.5	PASS
				-10	0.00	0	±2.5	PASS
				0	-0.07	-0.00008	±2.5	PASS
				10	-0.51	-0.0006	±2.5	PASS
				20	-0.29	-0.00034	±2.5	PASS
				30	1.10	0.0013	±2.5	PASS
				40	1.90	0.00224	±2.5	PASS
				50	-0.73	-0.00086	±2.5	PASS

END