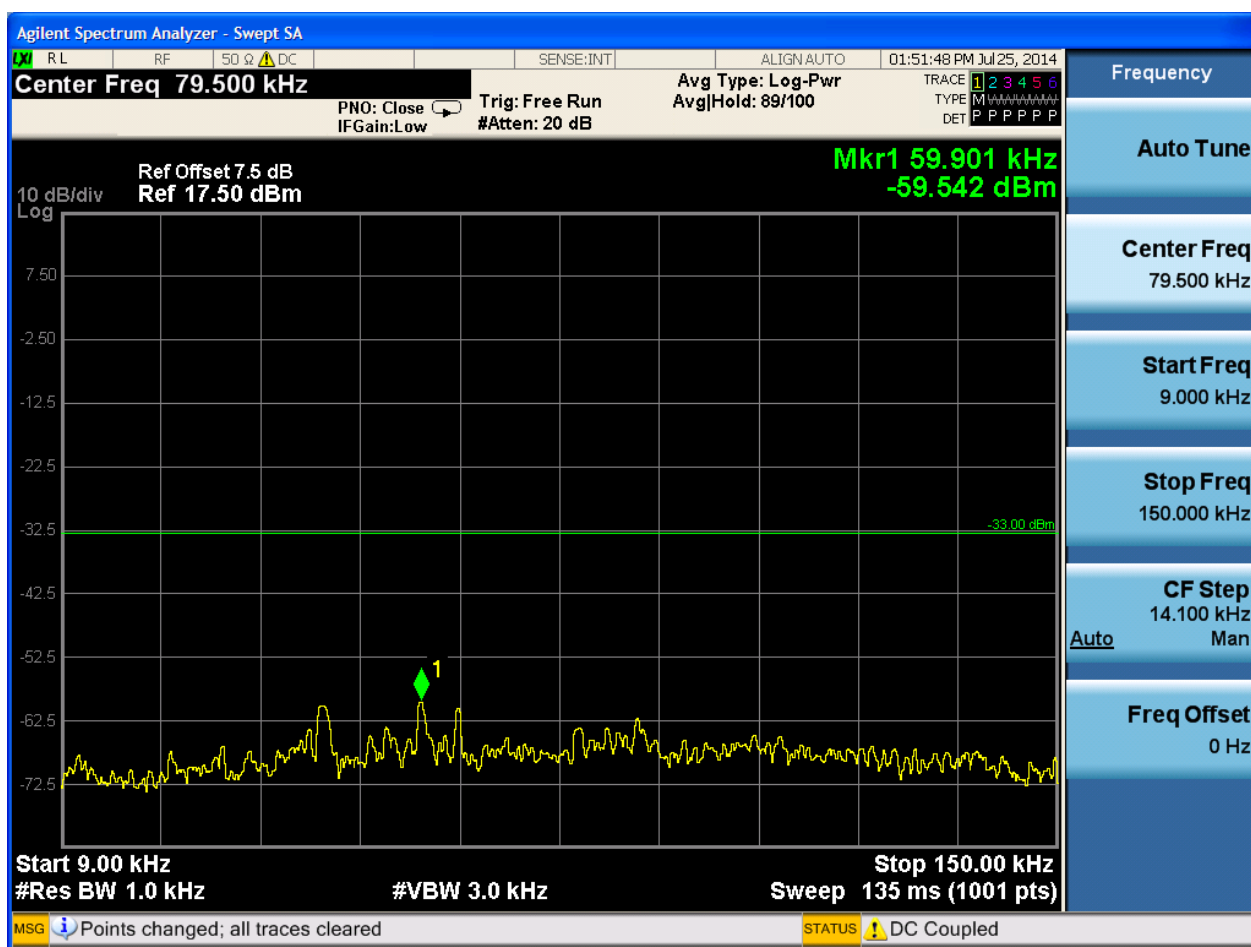


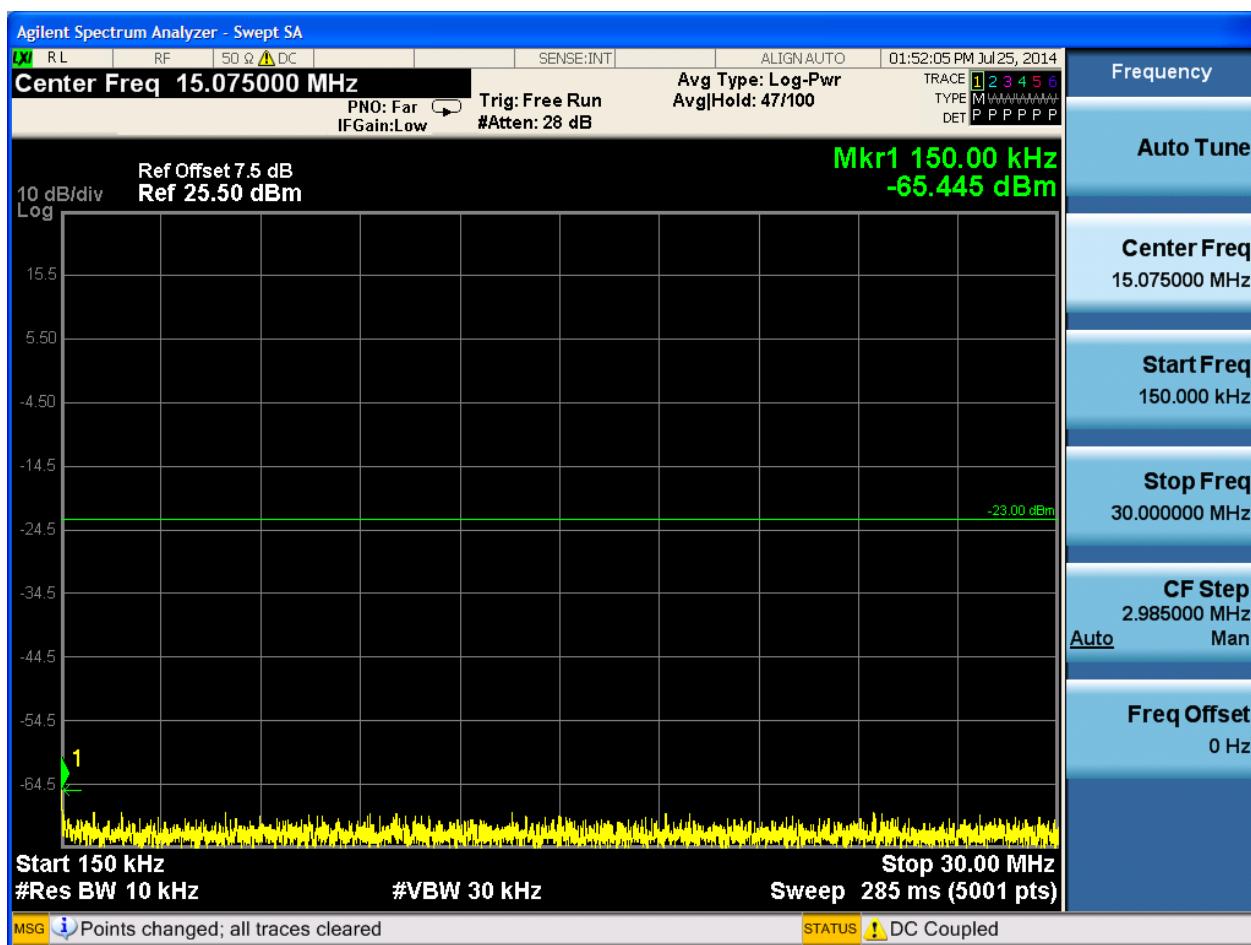


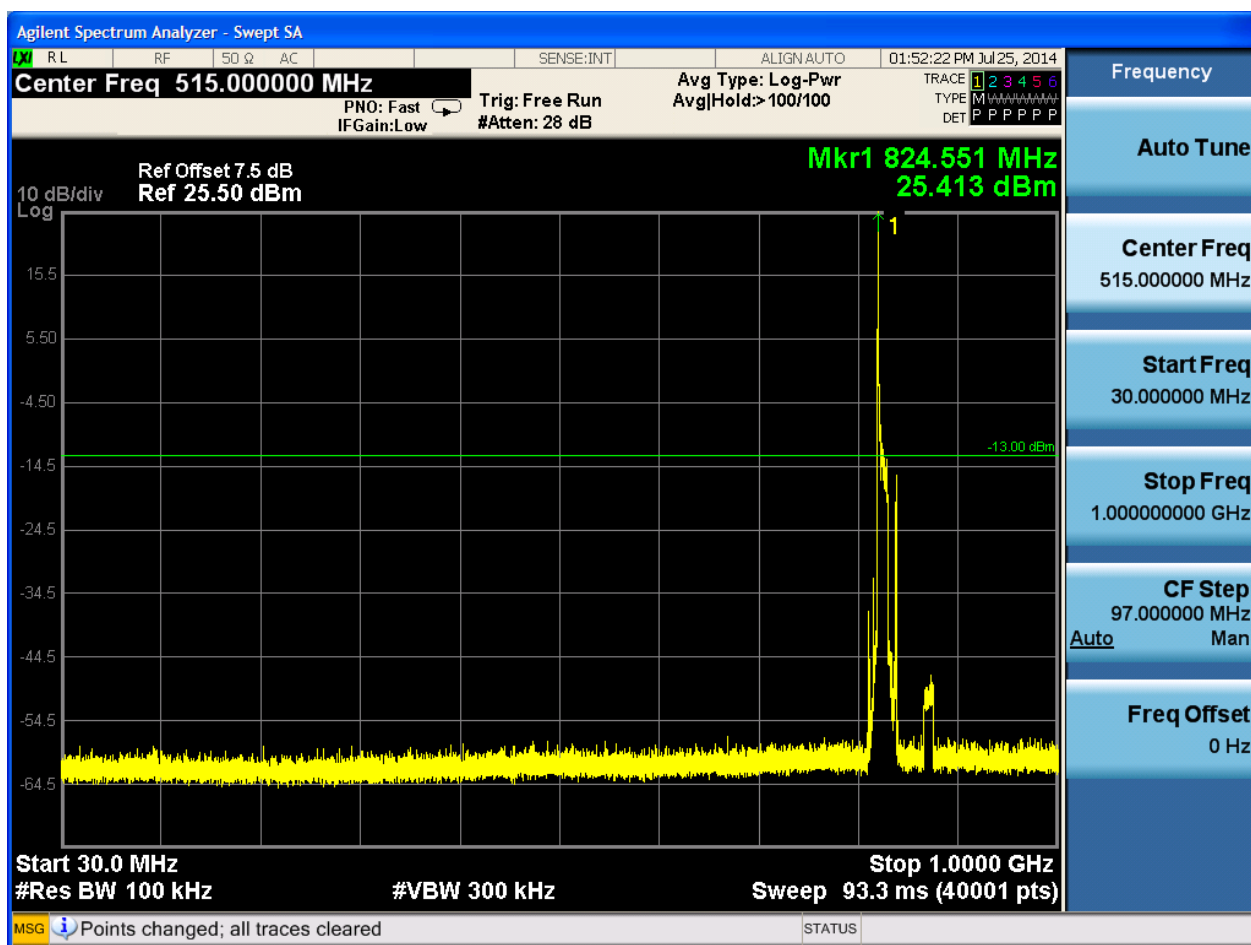
6.3.3.1.4 Test Bandwidth = 10

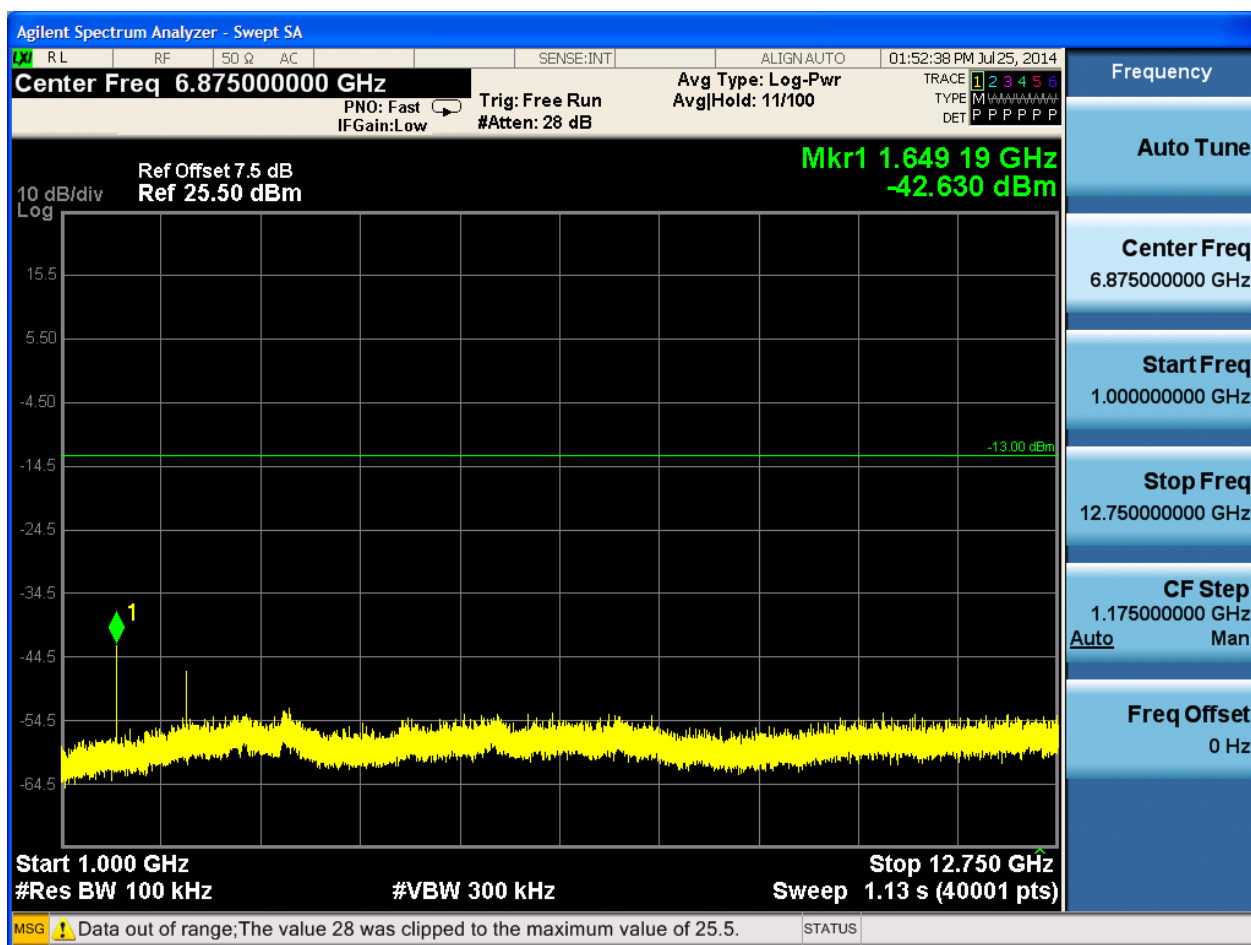
6.3.3.1.4.1 Test Channel = LCH

6.3.3.1.4.1.1 Test RB = RB1#0



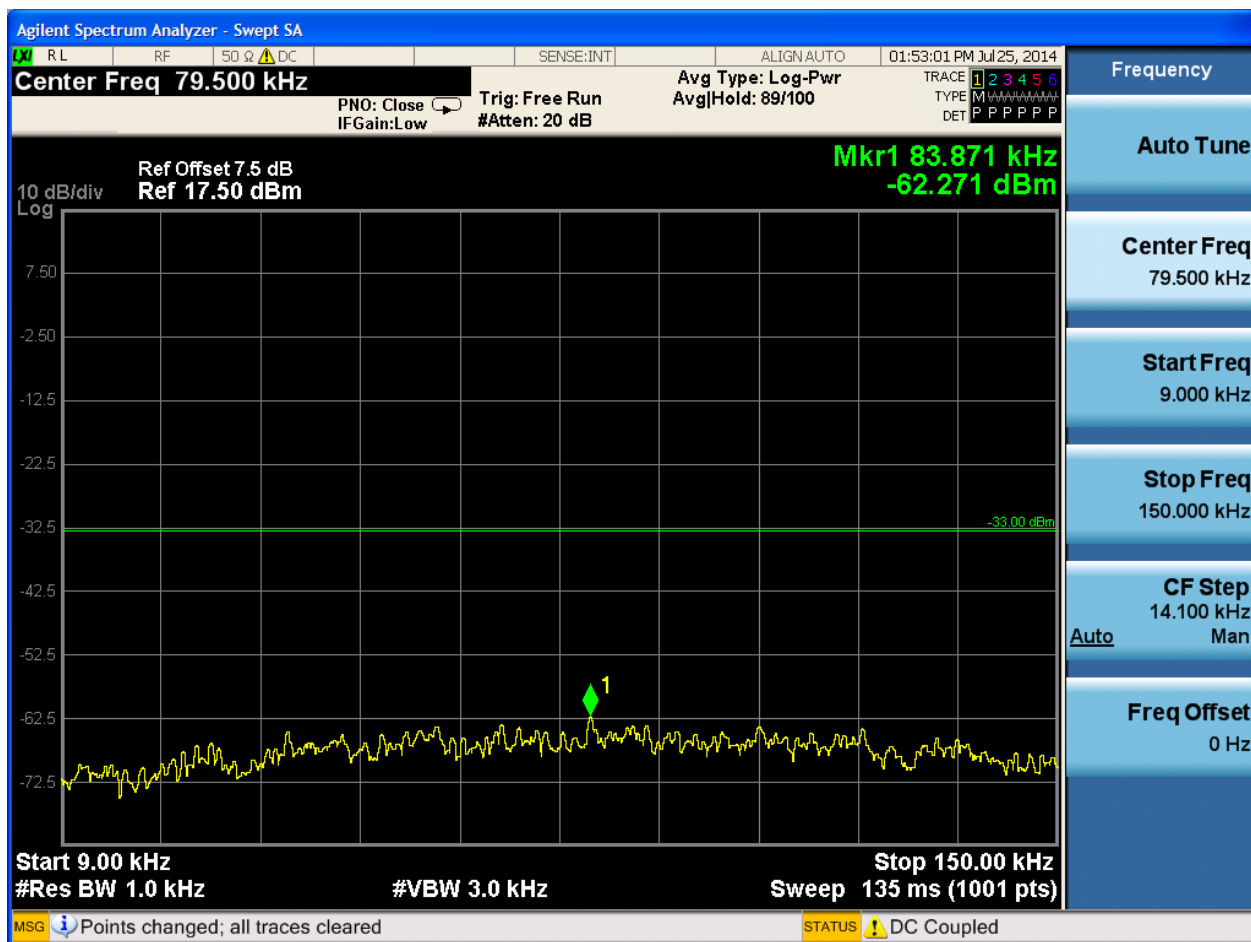


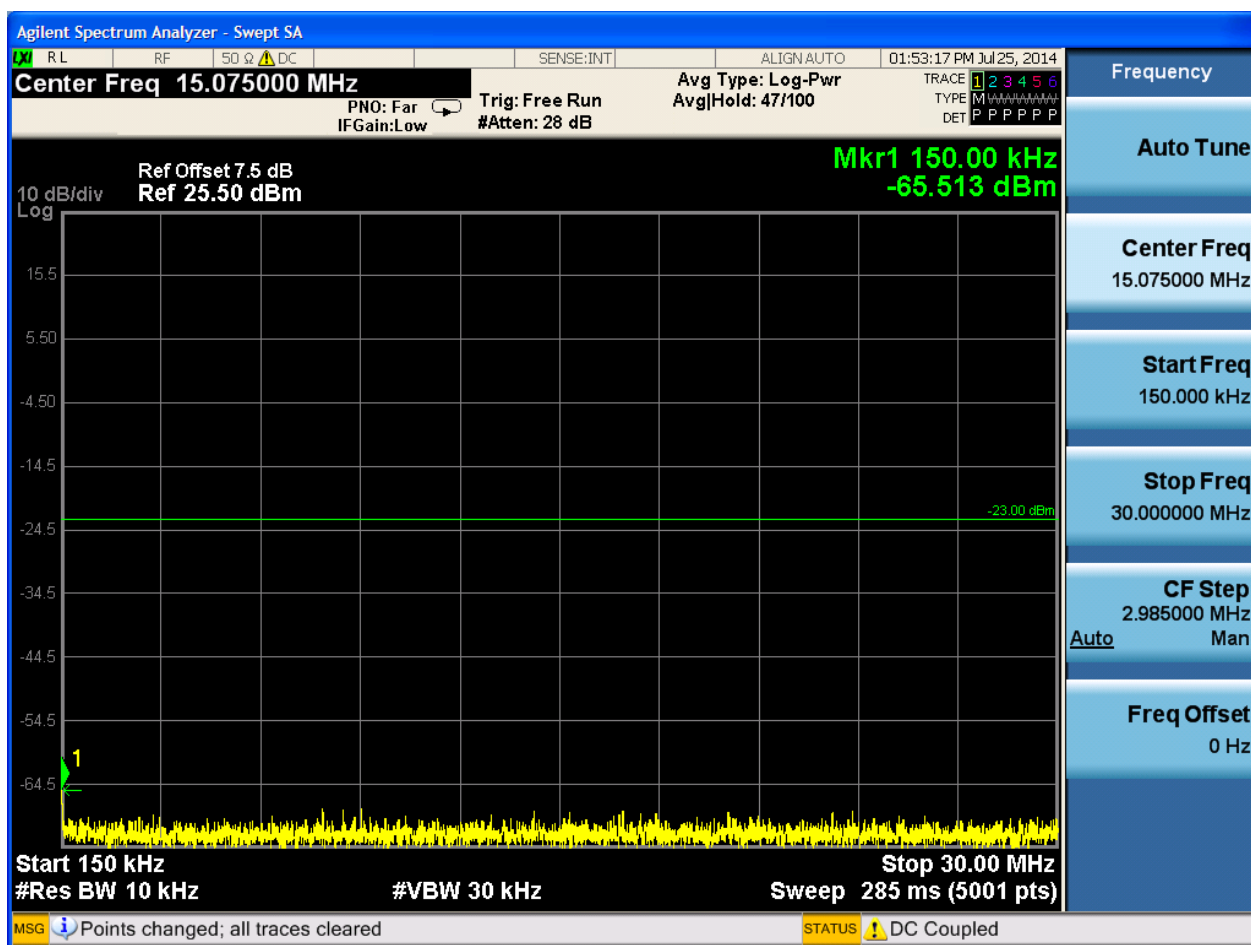


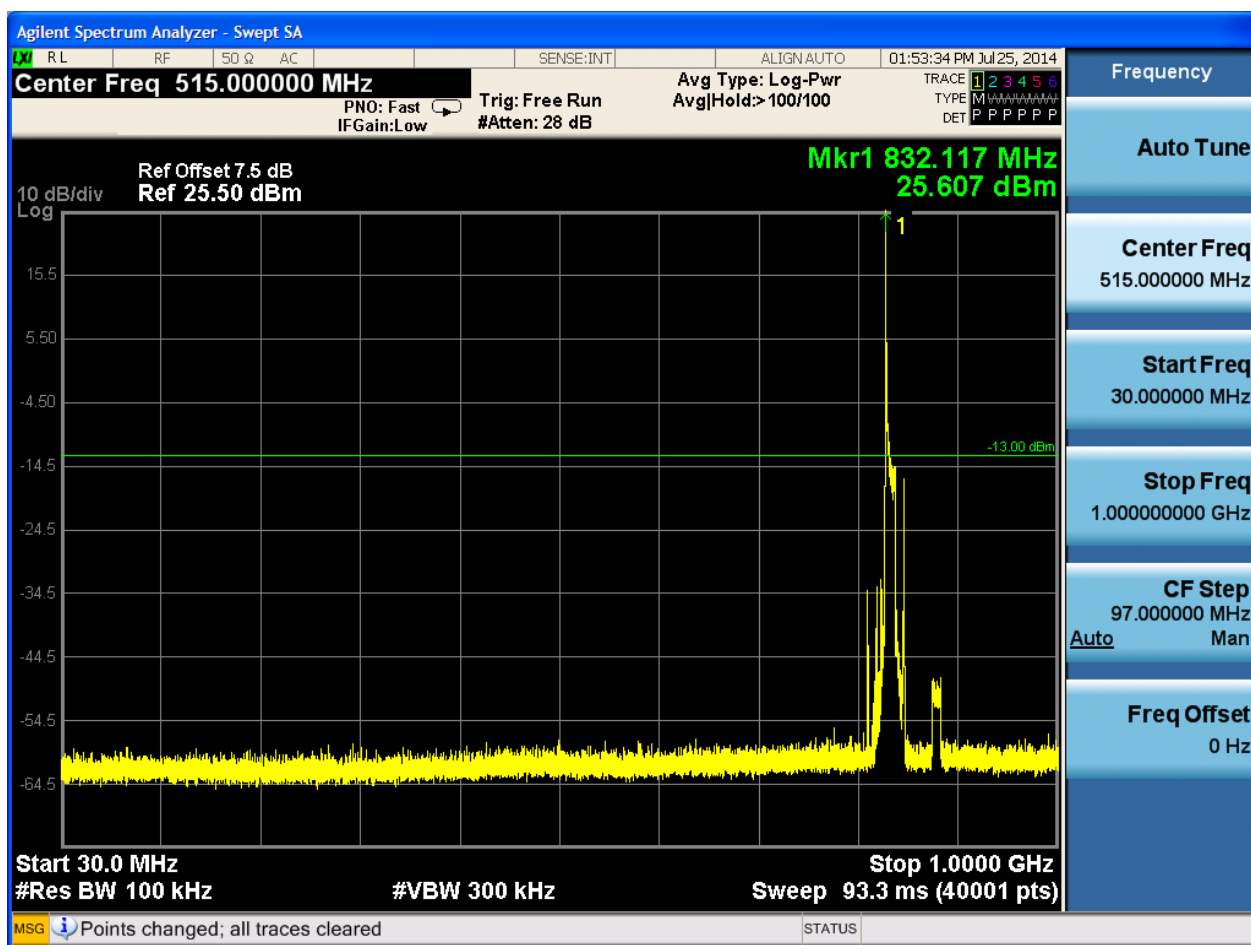


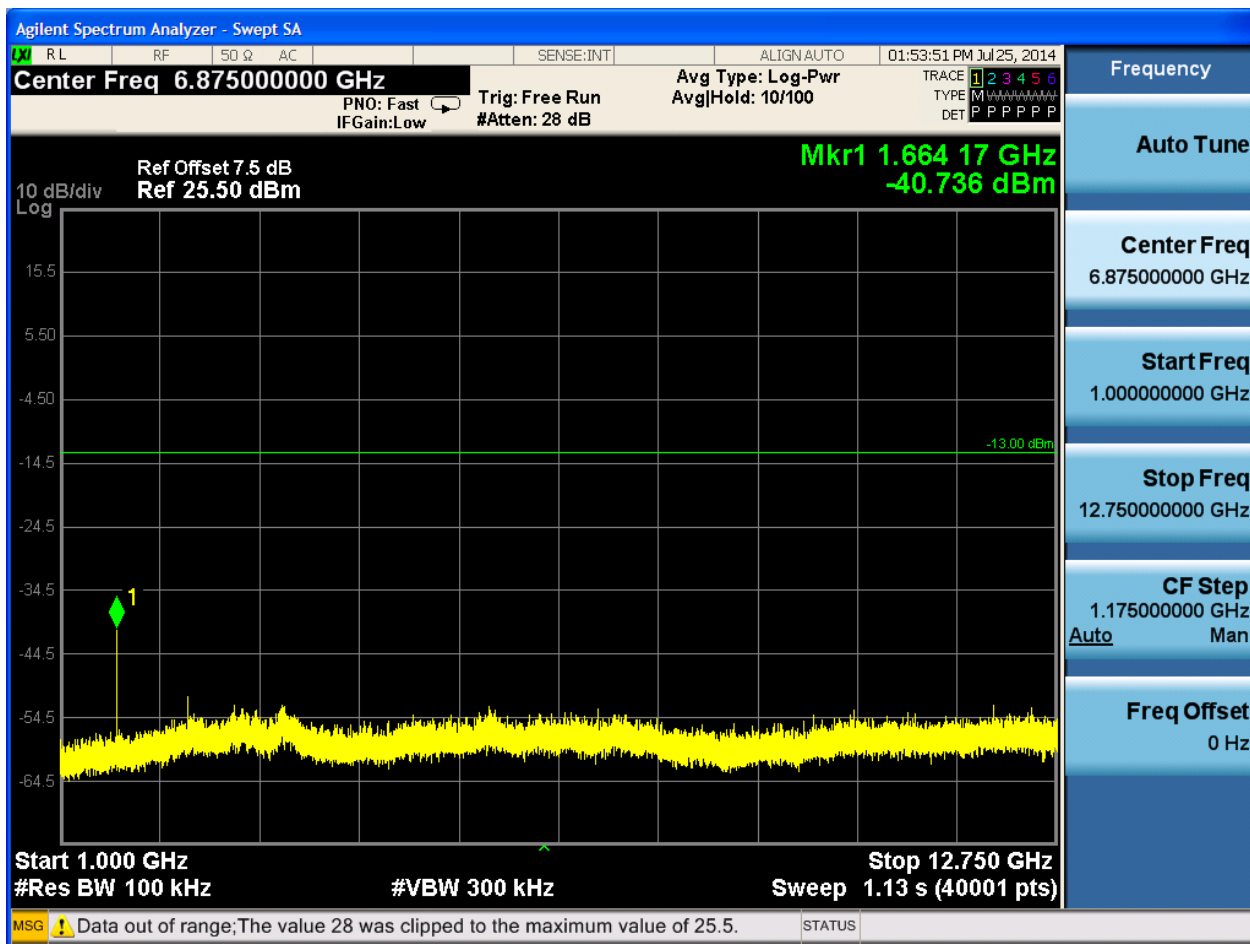
6.3.3.1.4.2 Test Channel = MCH

6.3.3.1.4.2.1 Test RB = RB1#0



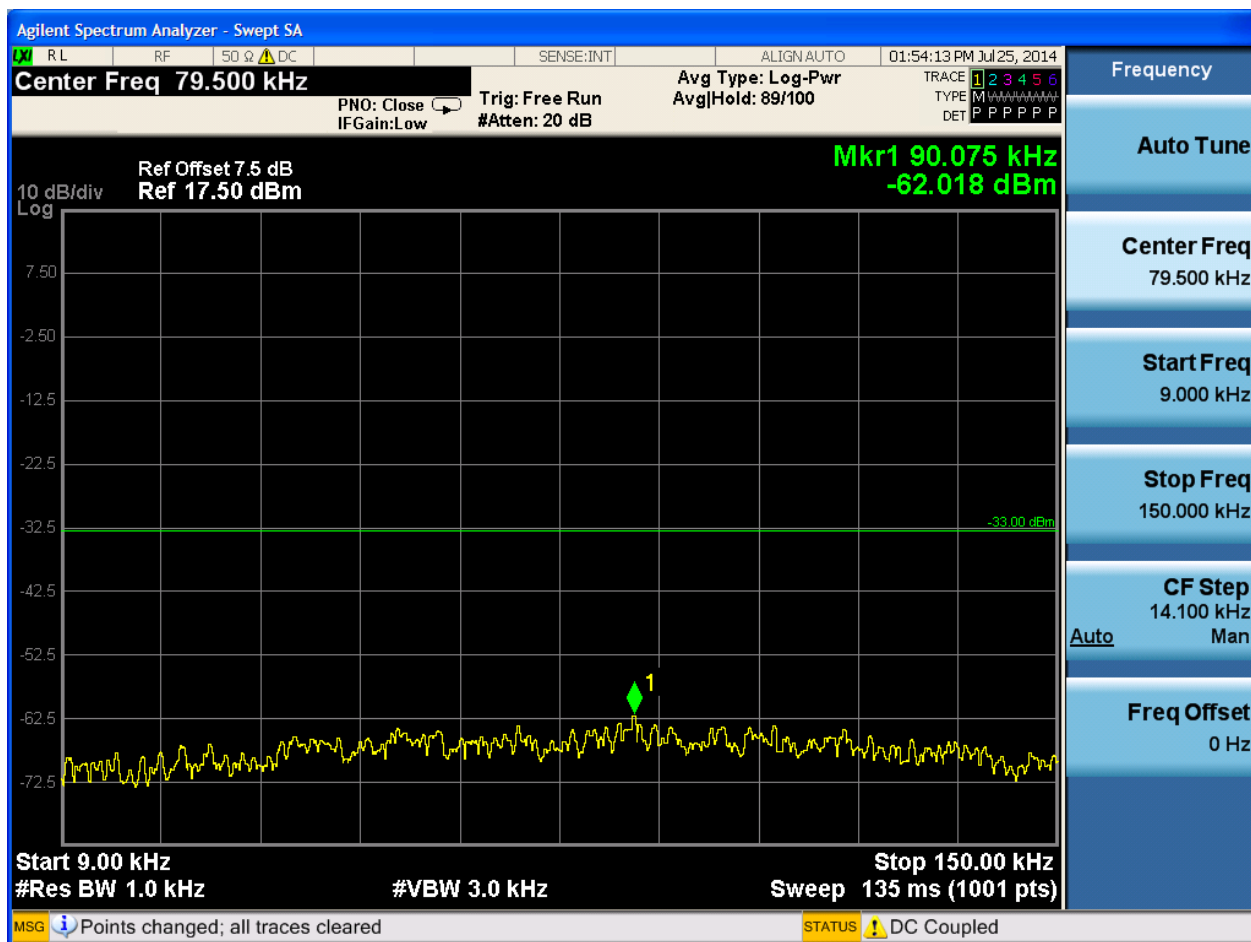


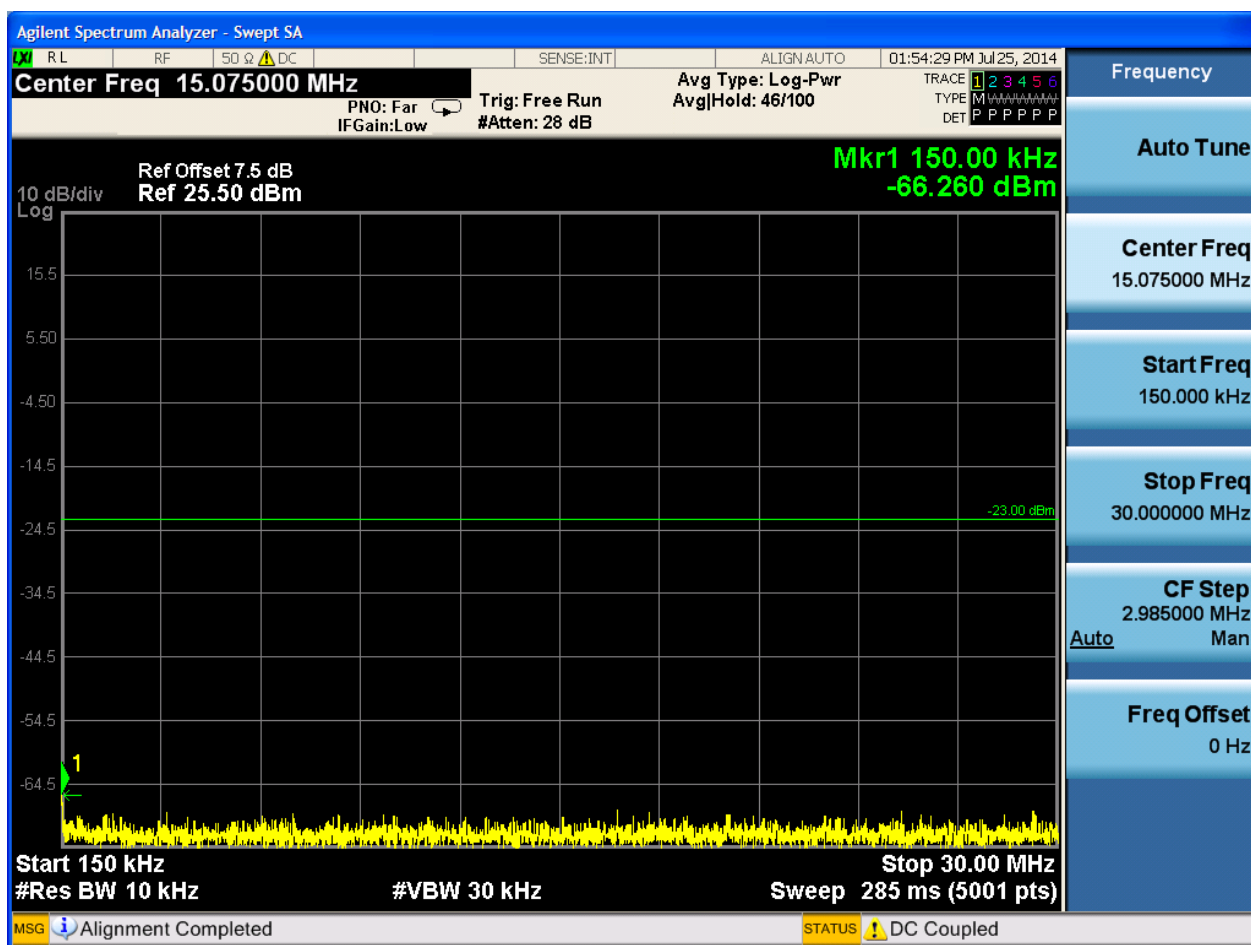


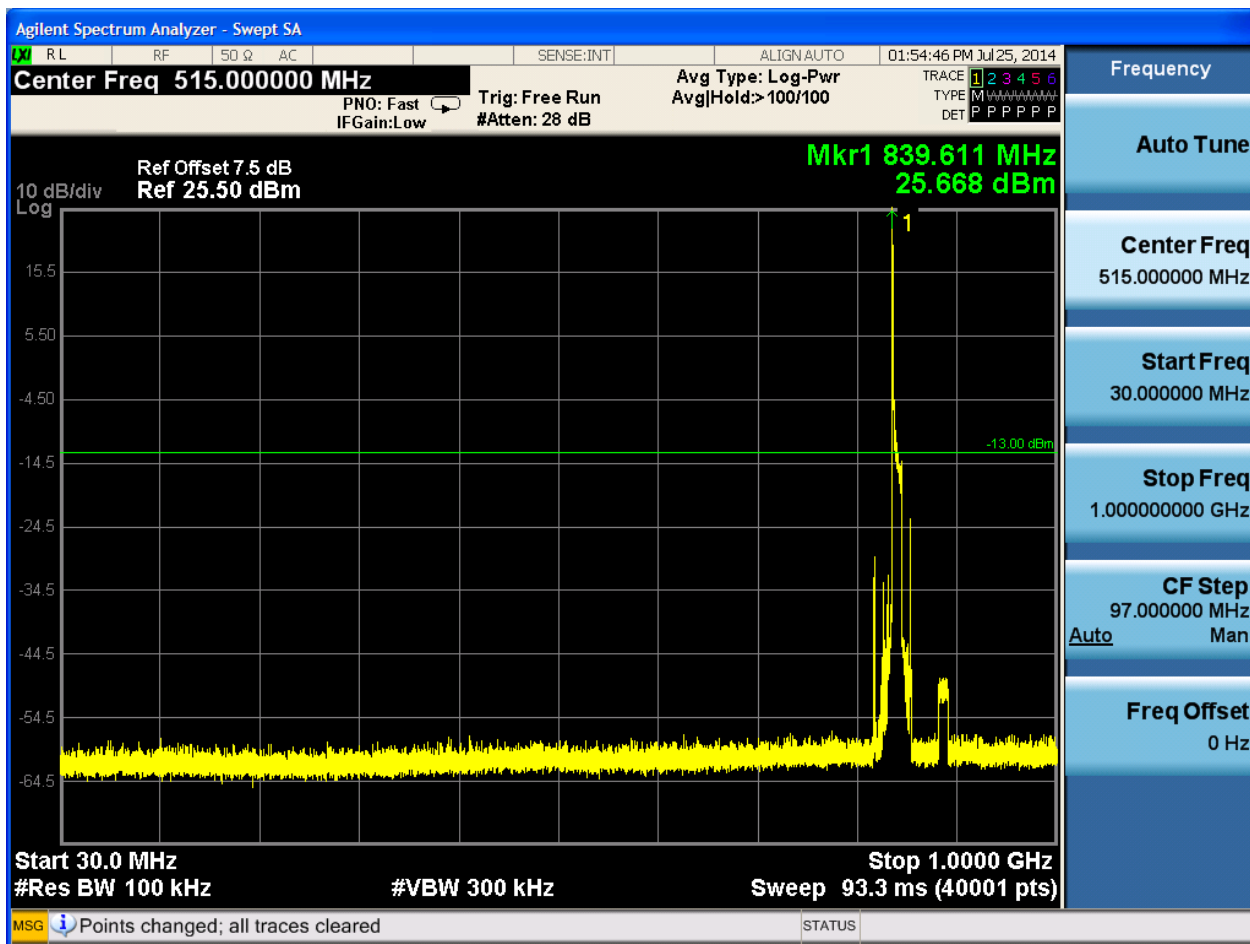


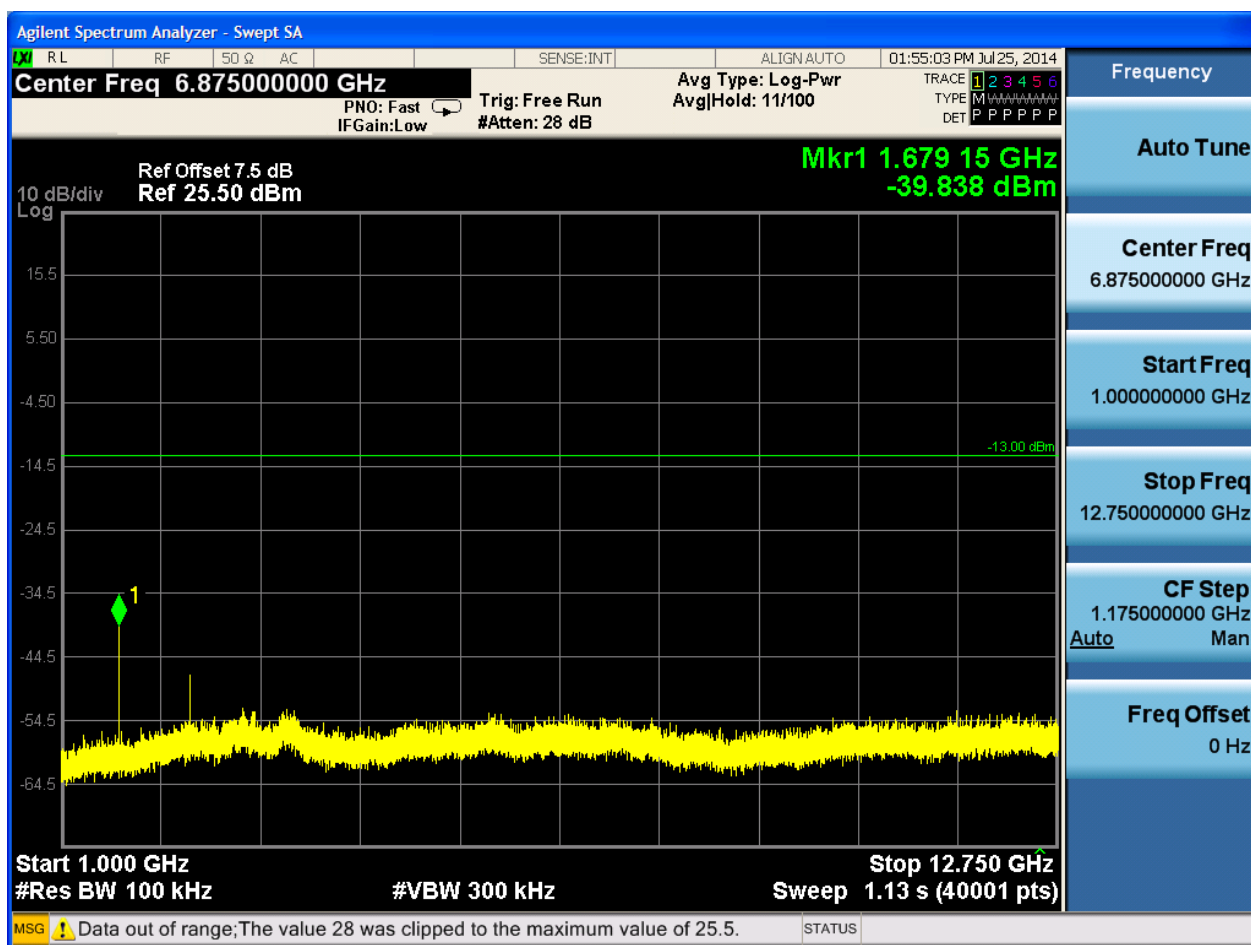
6.3.3.1.4.3 Test Channel = HCH

6.3.3.1.4.3.1 Test RB = RB1#0







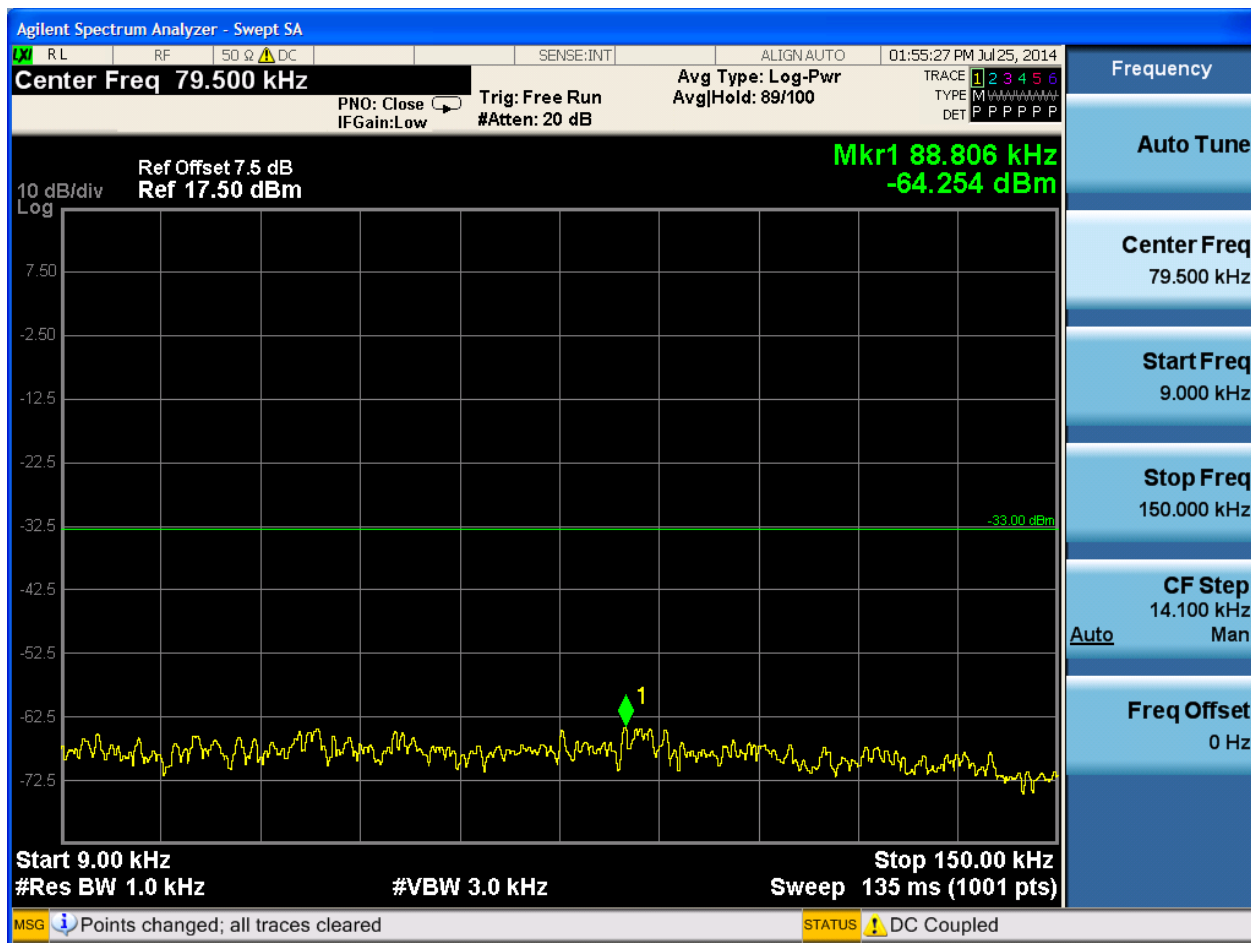


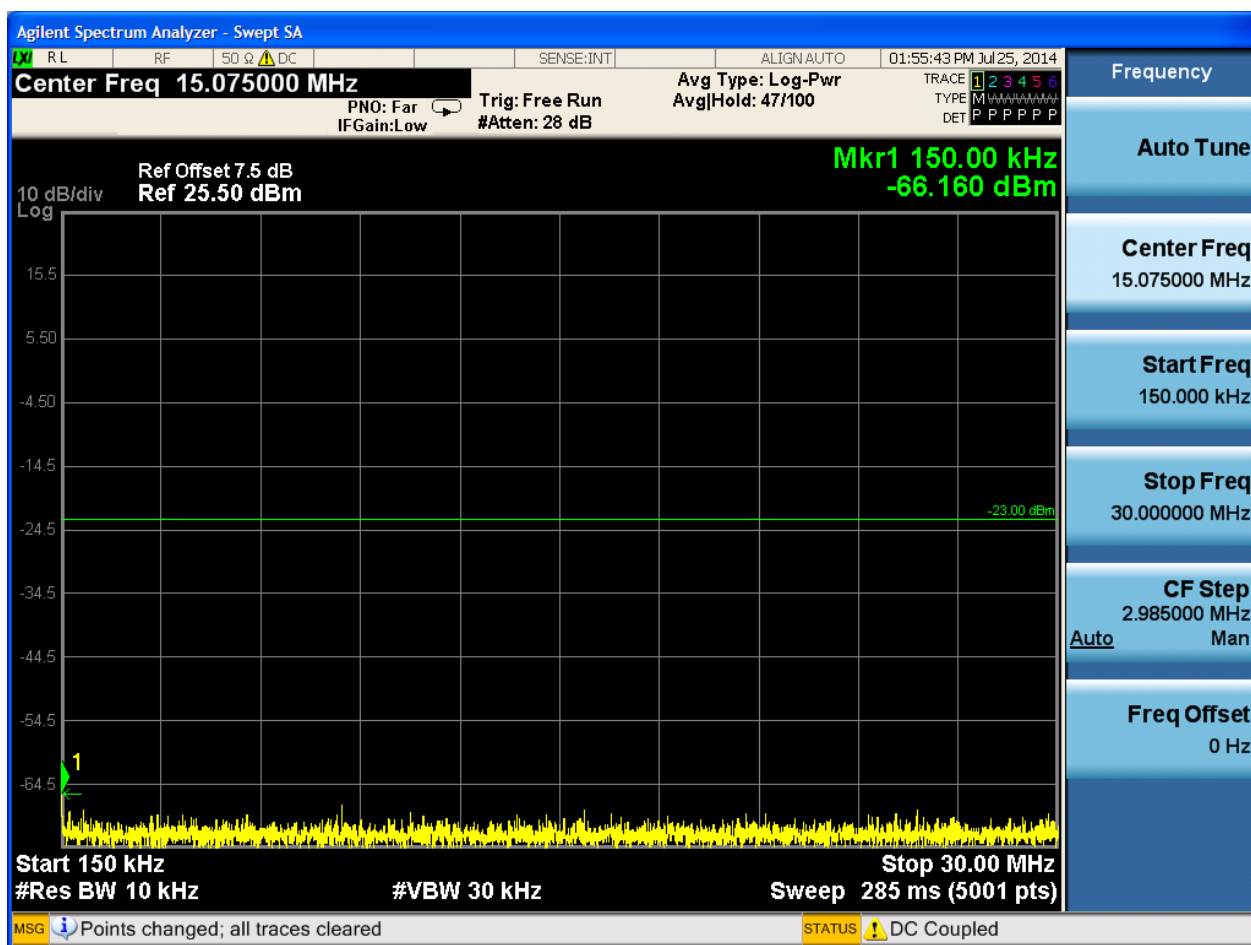
6.3.3.2 Test Mode = LTE/TM2

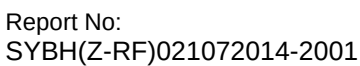
6.3.3.2.1 Test Bandwidth = 1.4

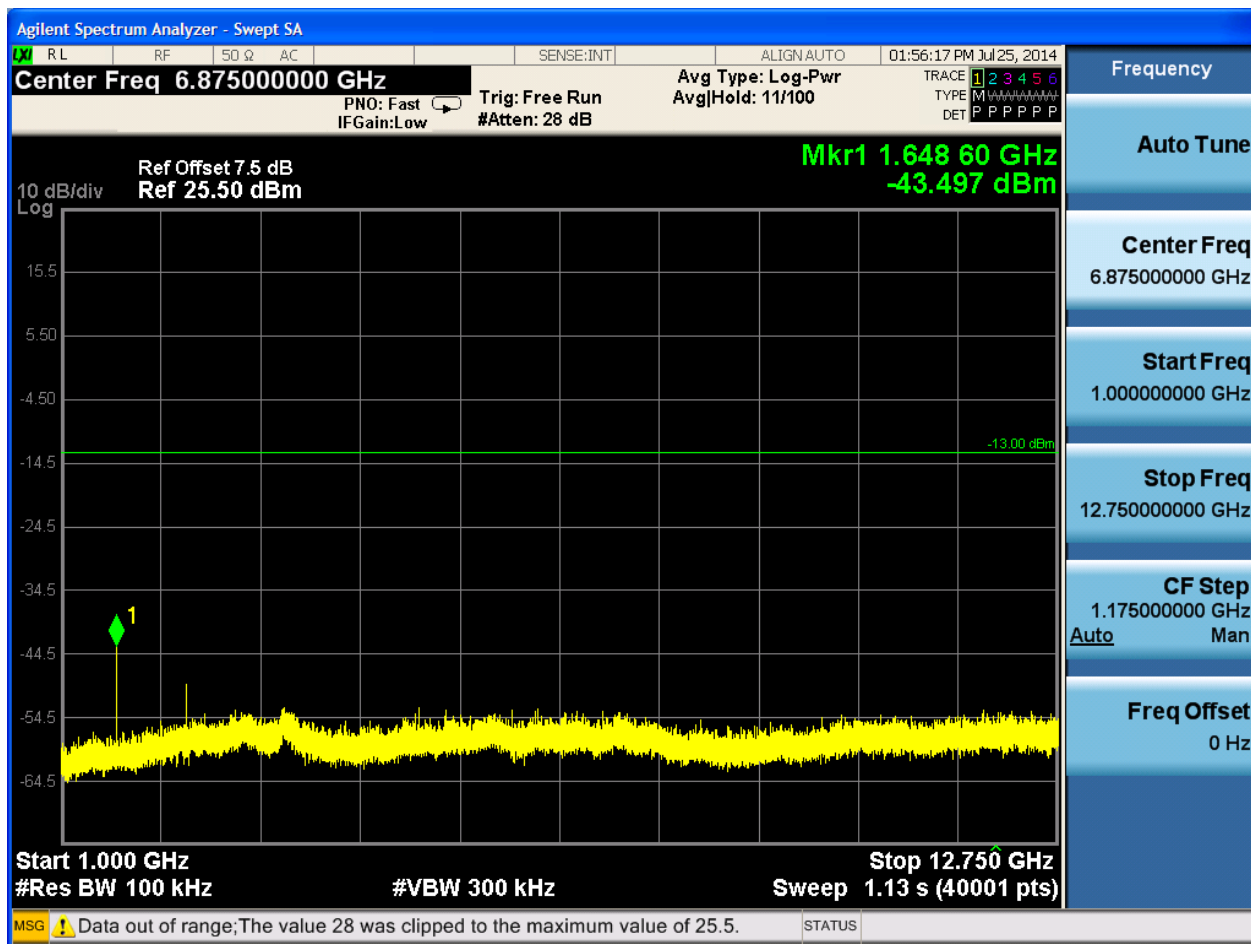
6.3.3.2.1.1 Test Channel = LCH

6.3.3.2.1.1.1 Test RB = RB1#0





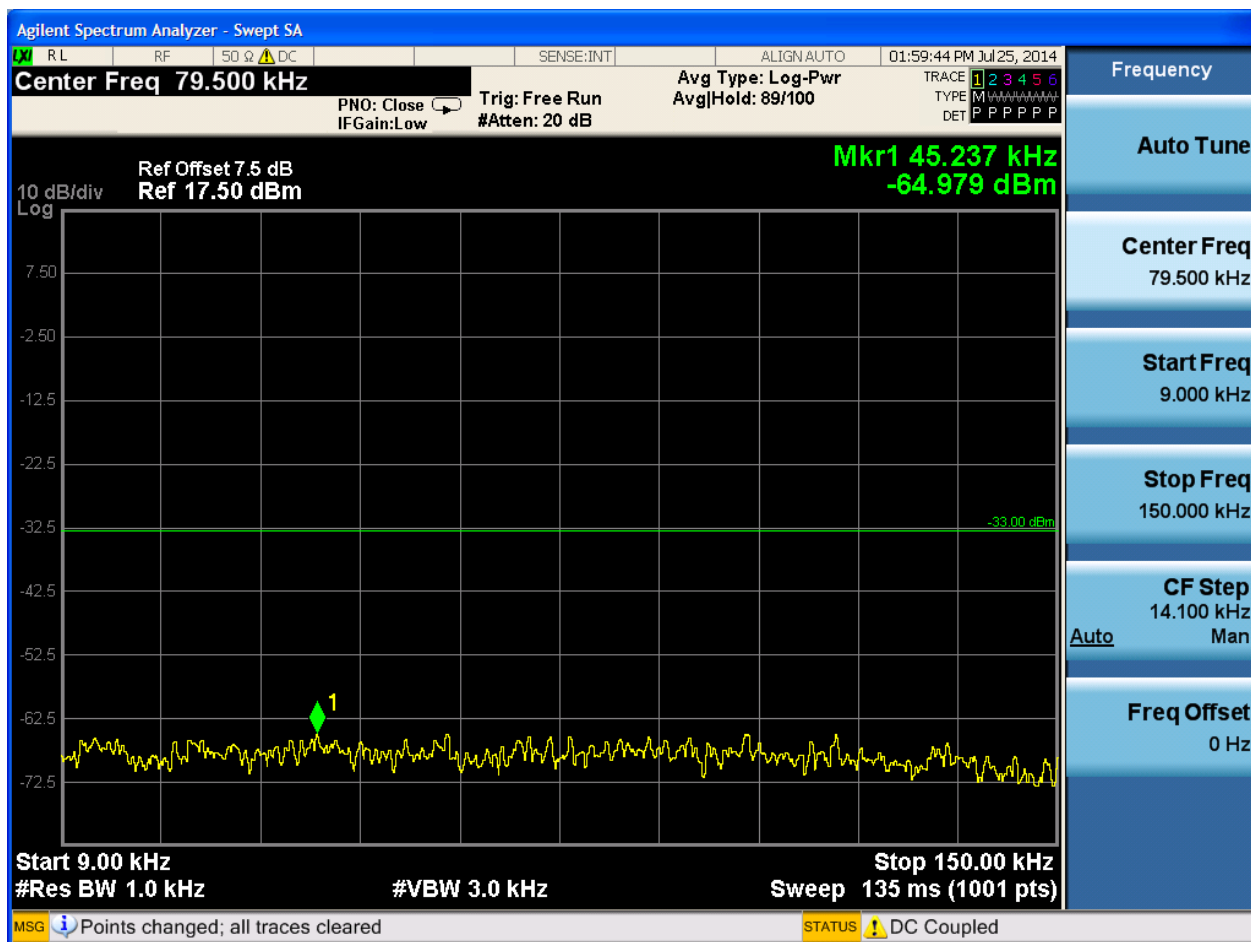


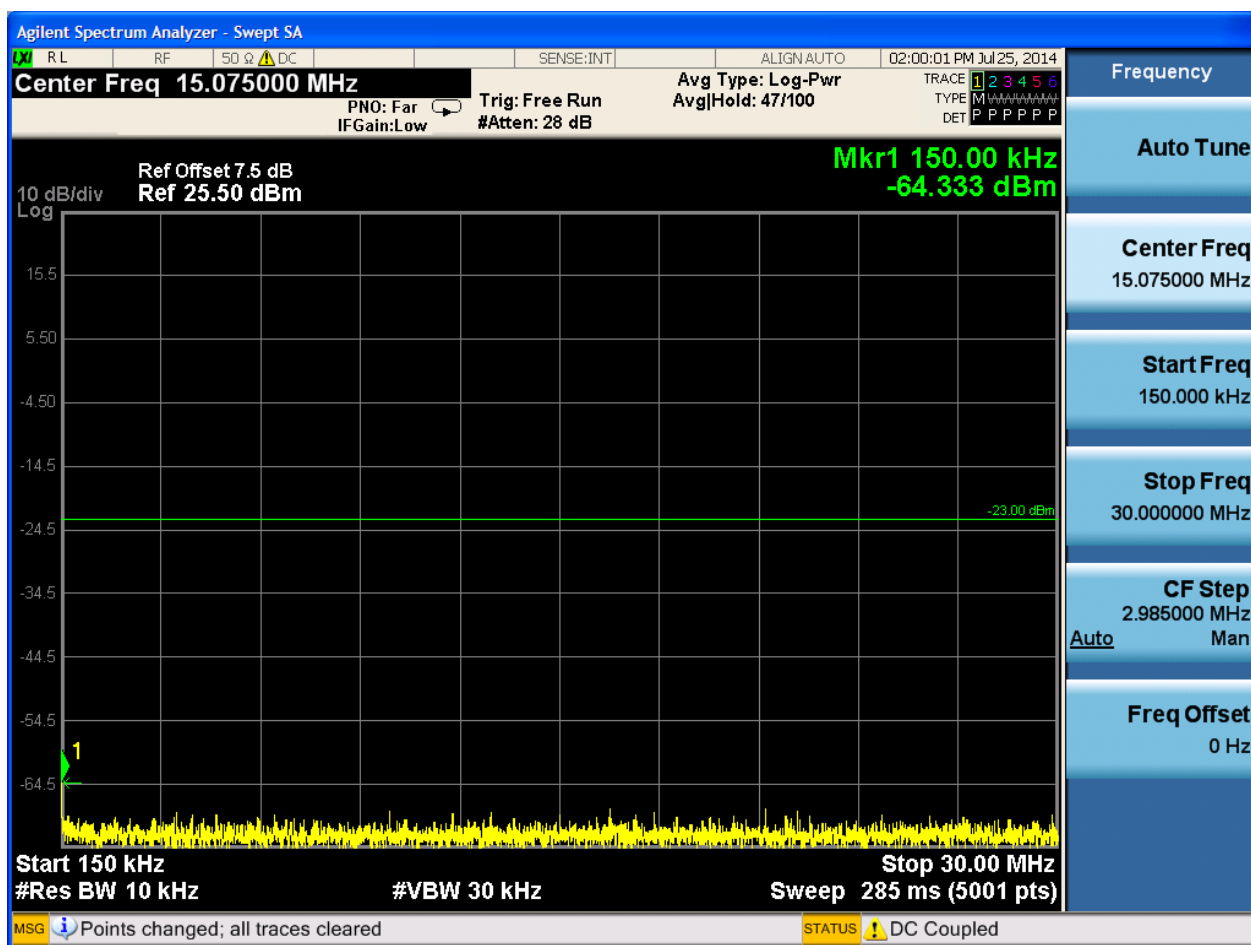


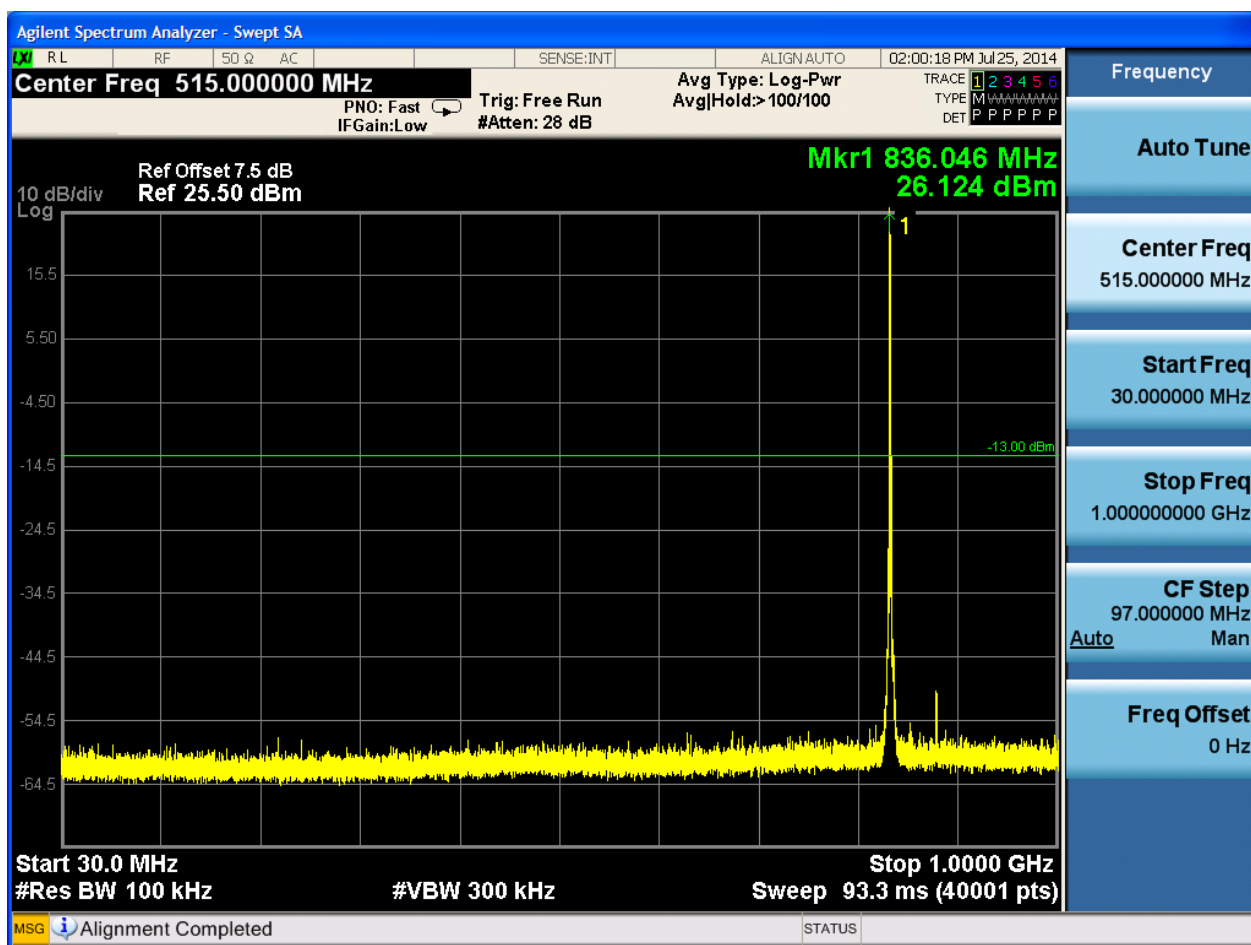


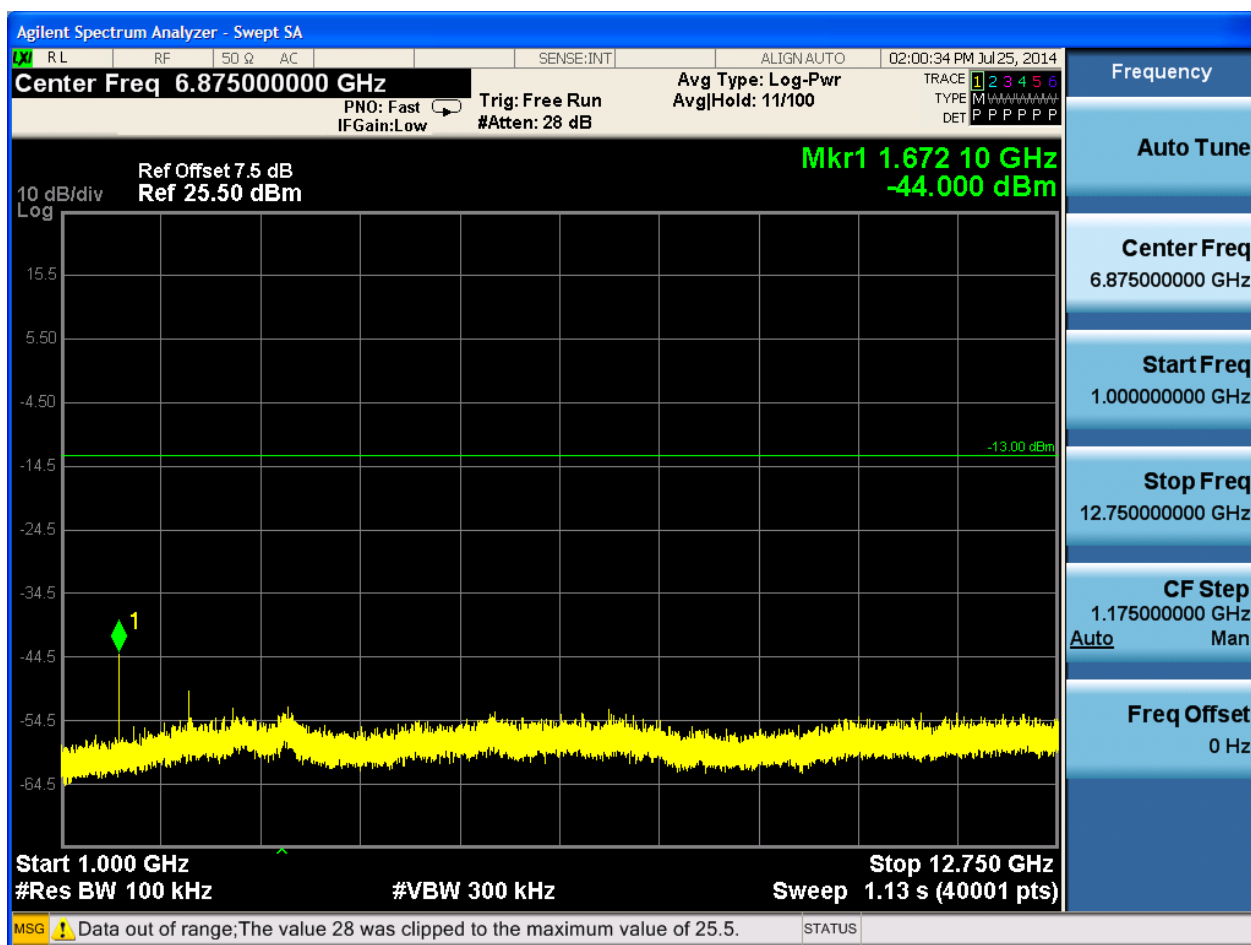
6.3.3.2.1.2 Test Channel = MCH

6.3.3.2.1.2.1 Test RB = RB1#0





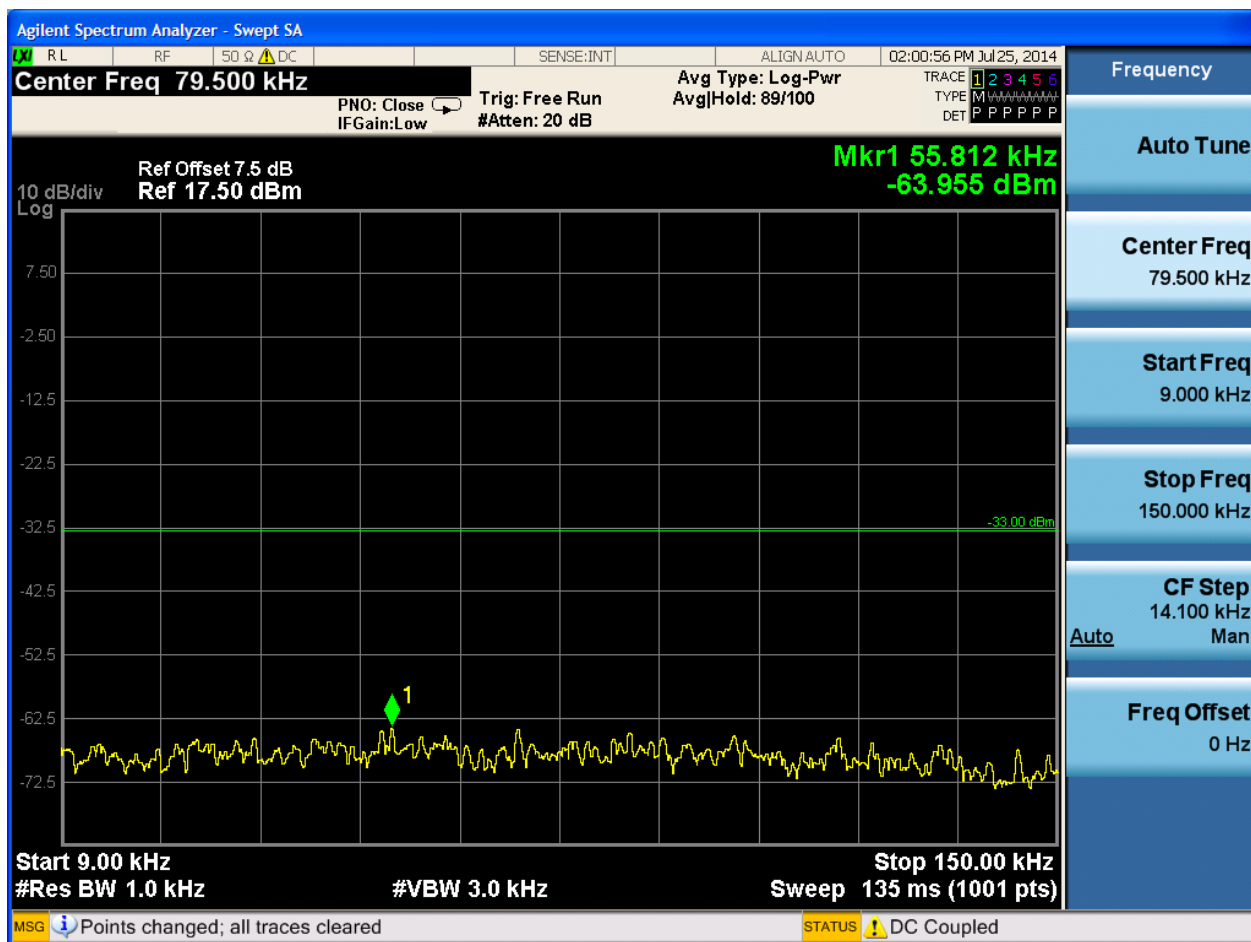


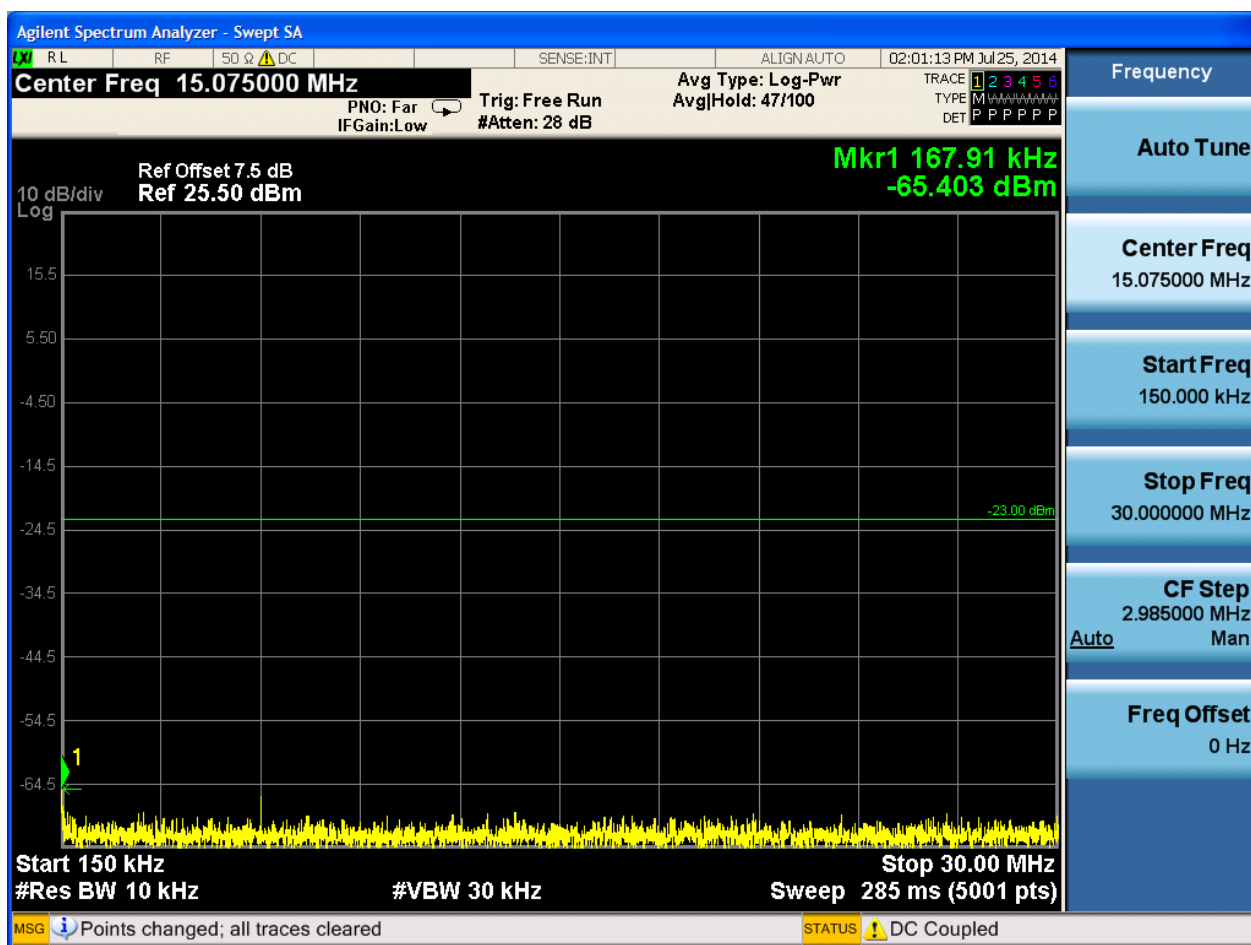


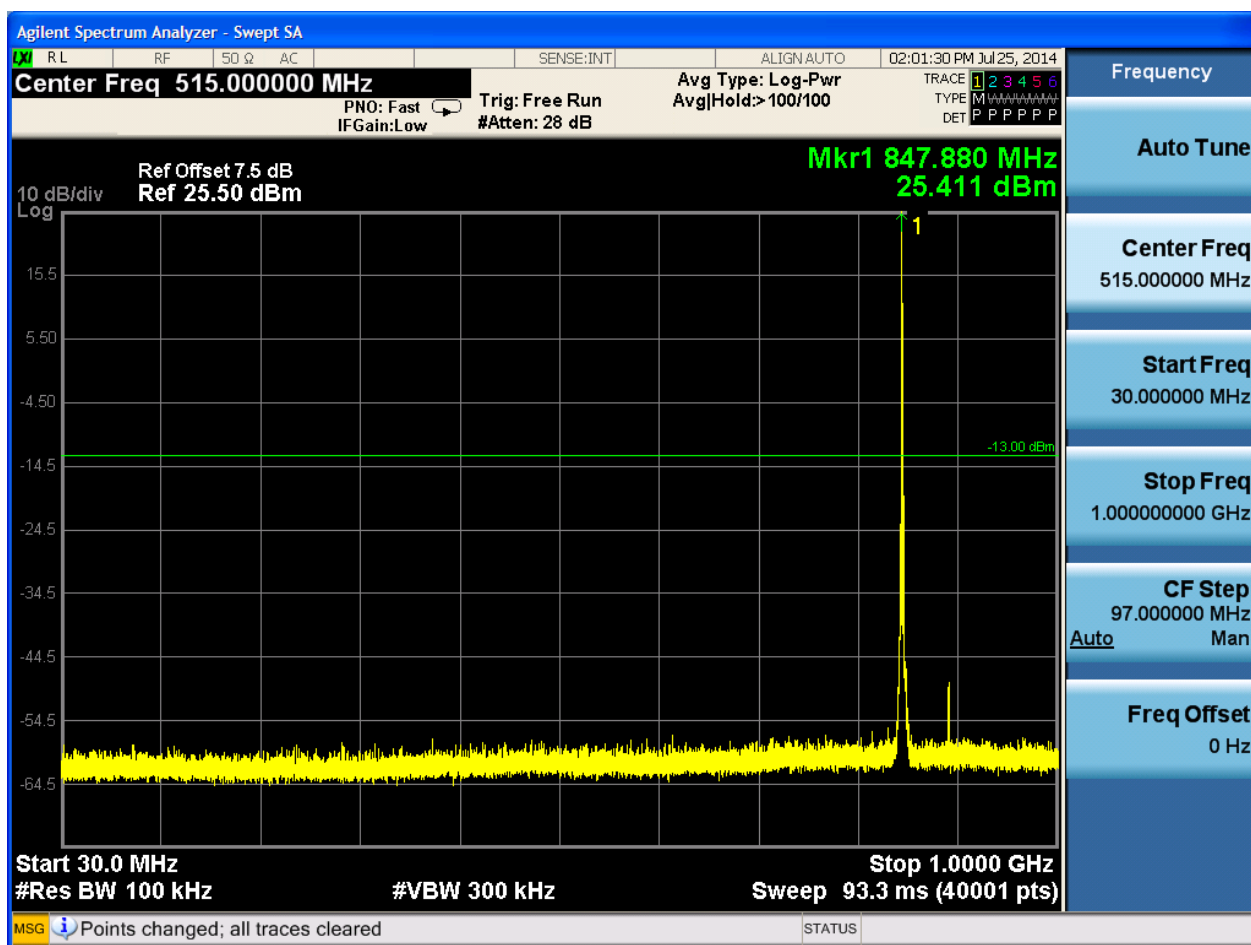


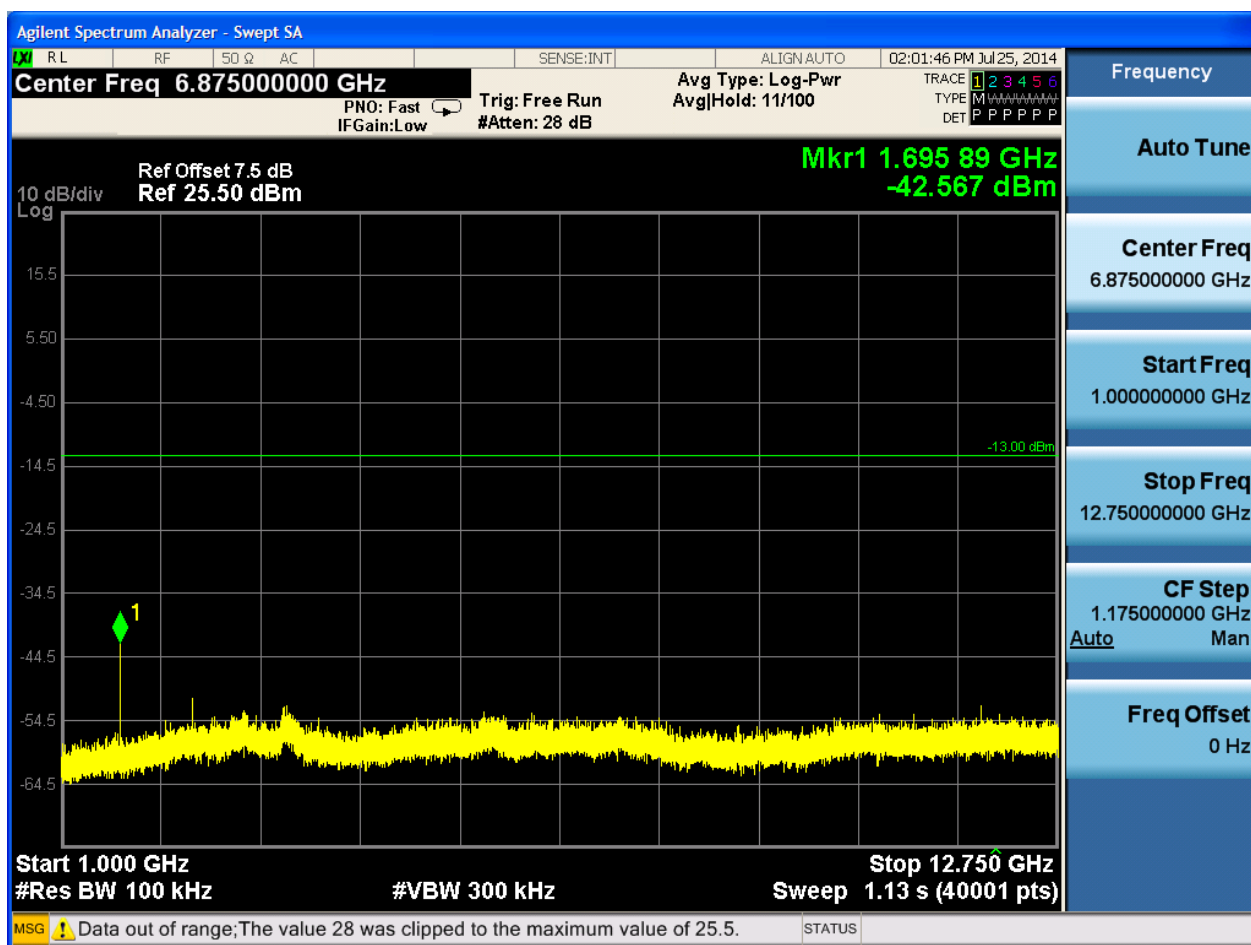
6.3.3.2.1.3 Test Channel = HCH

6.3.3.2.1.3.1 Test RB = RB1#0







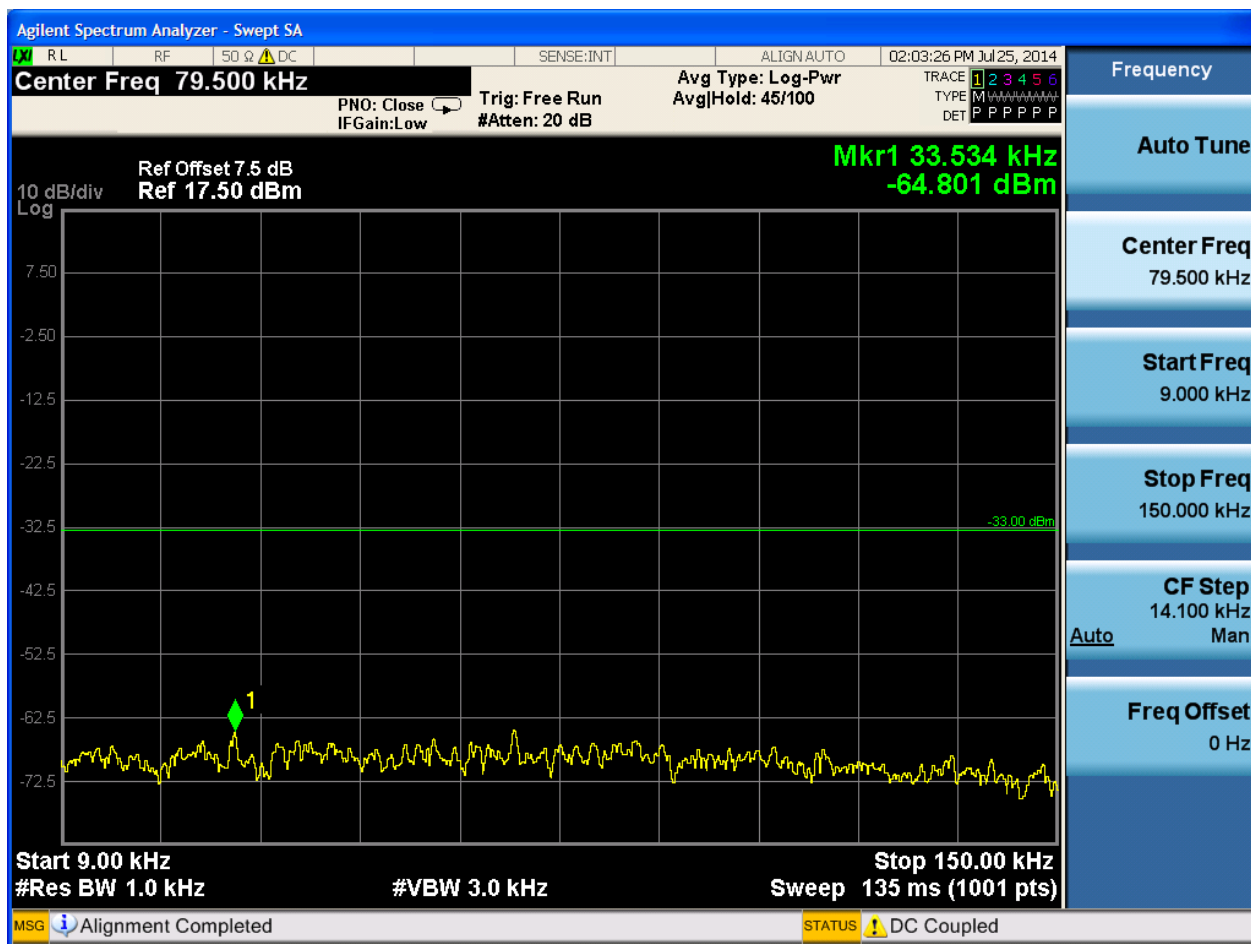


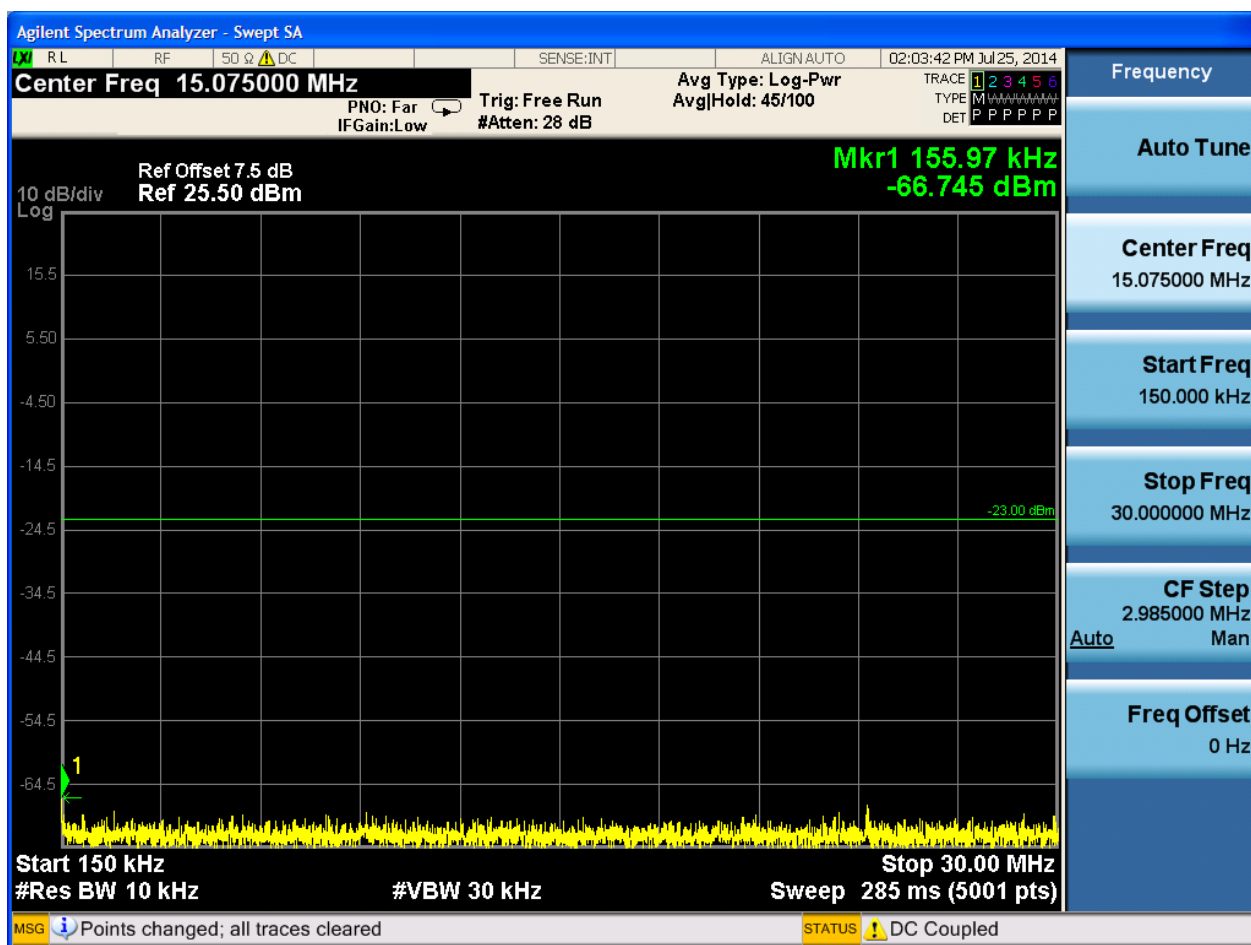


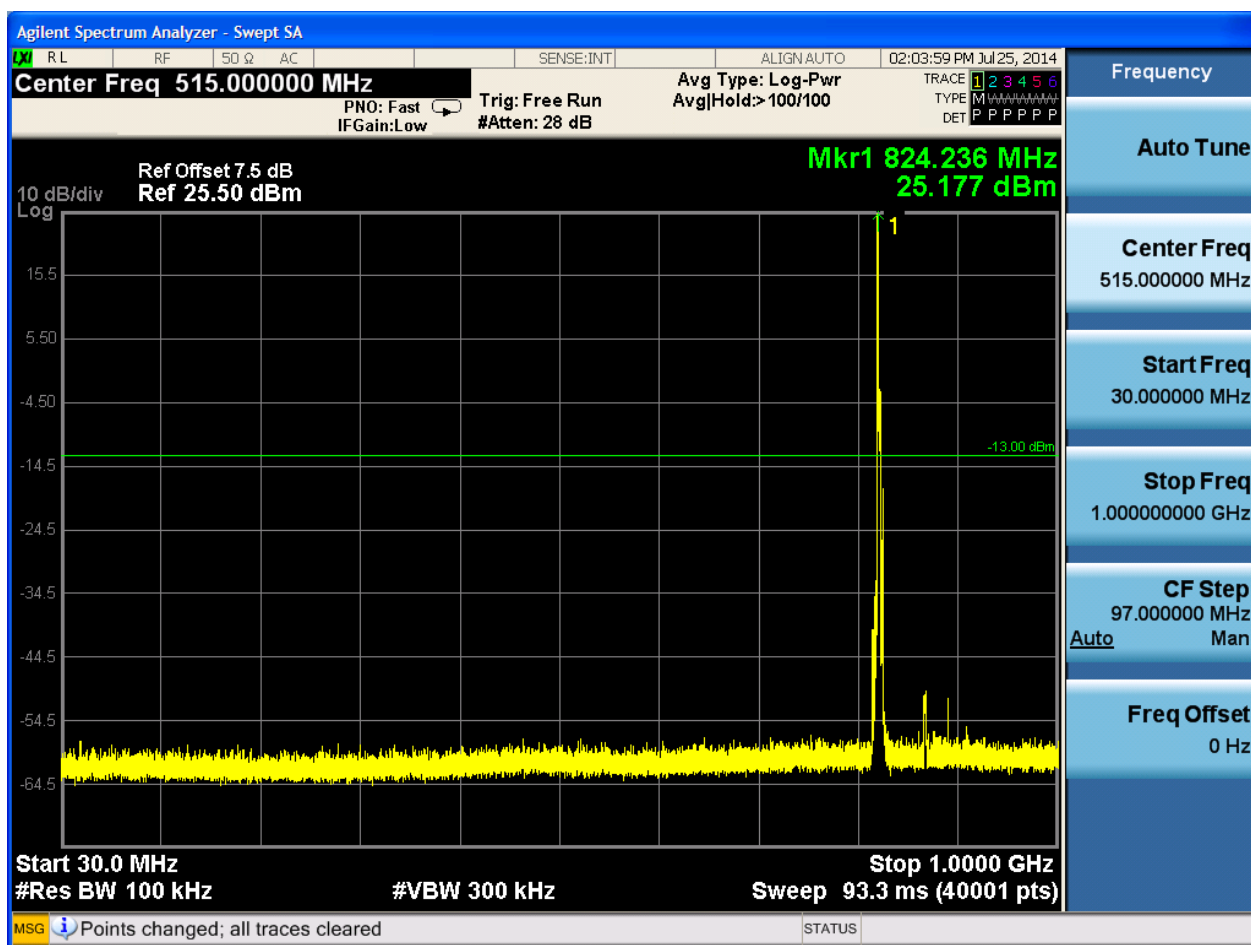
6.3.3.2.2 Test Bandwidth = 3

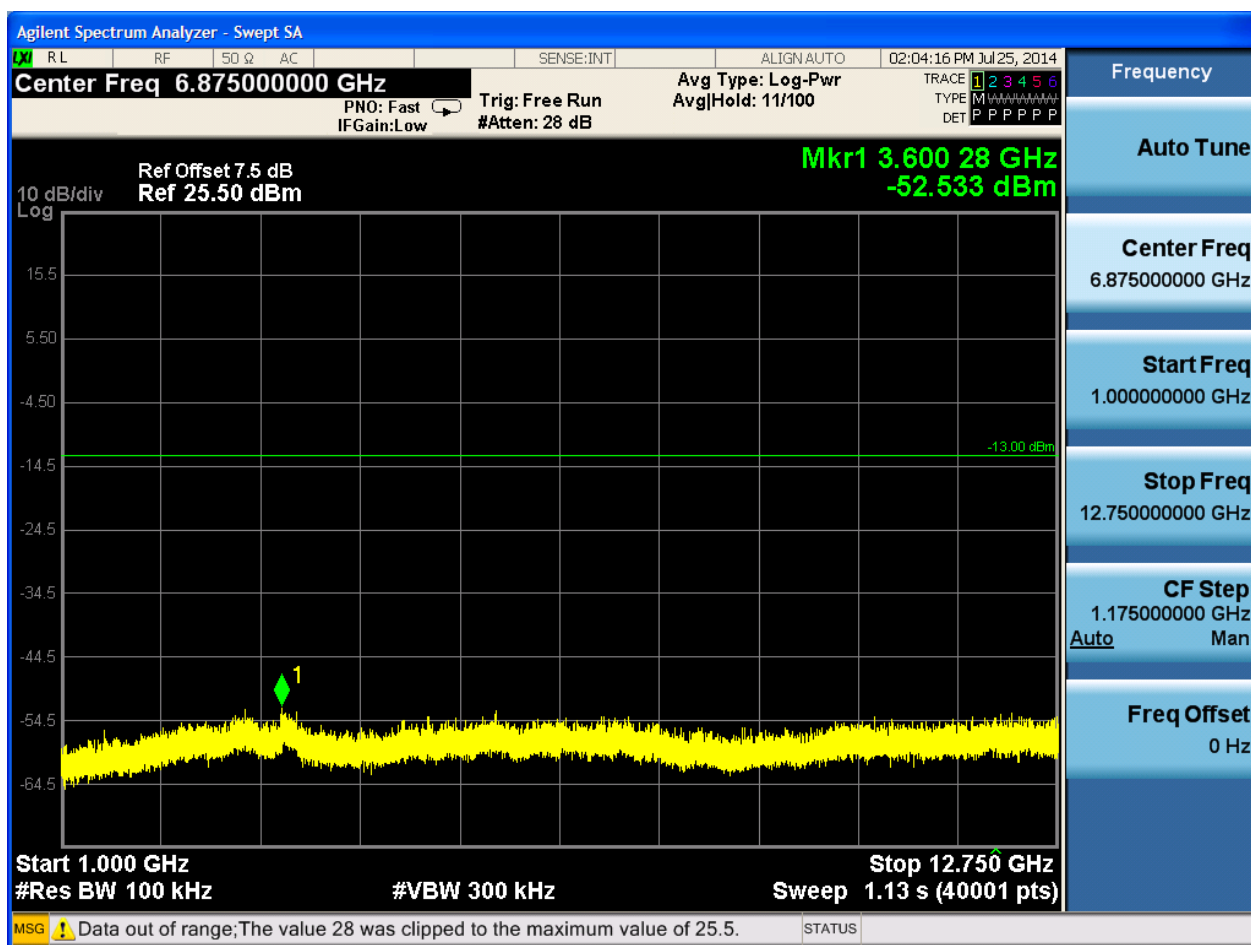
6.3.3.2.2.1 Test Channel = LCH

6.3.3.2.2.1.1 Test RB = RB1#0





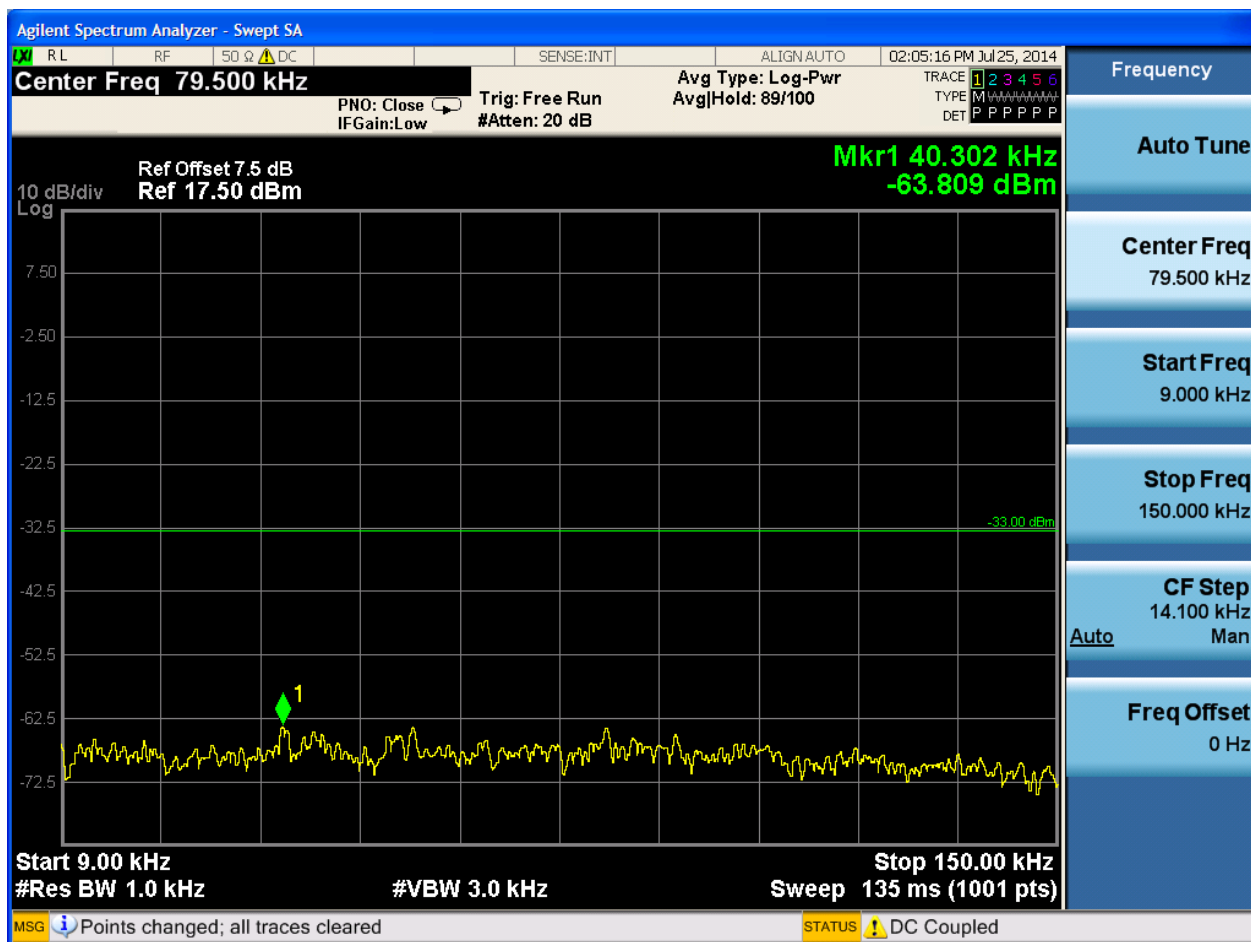


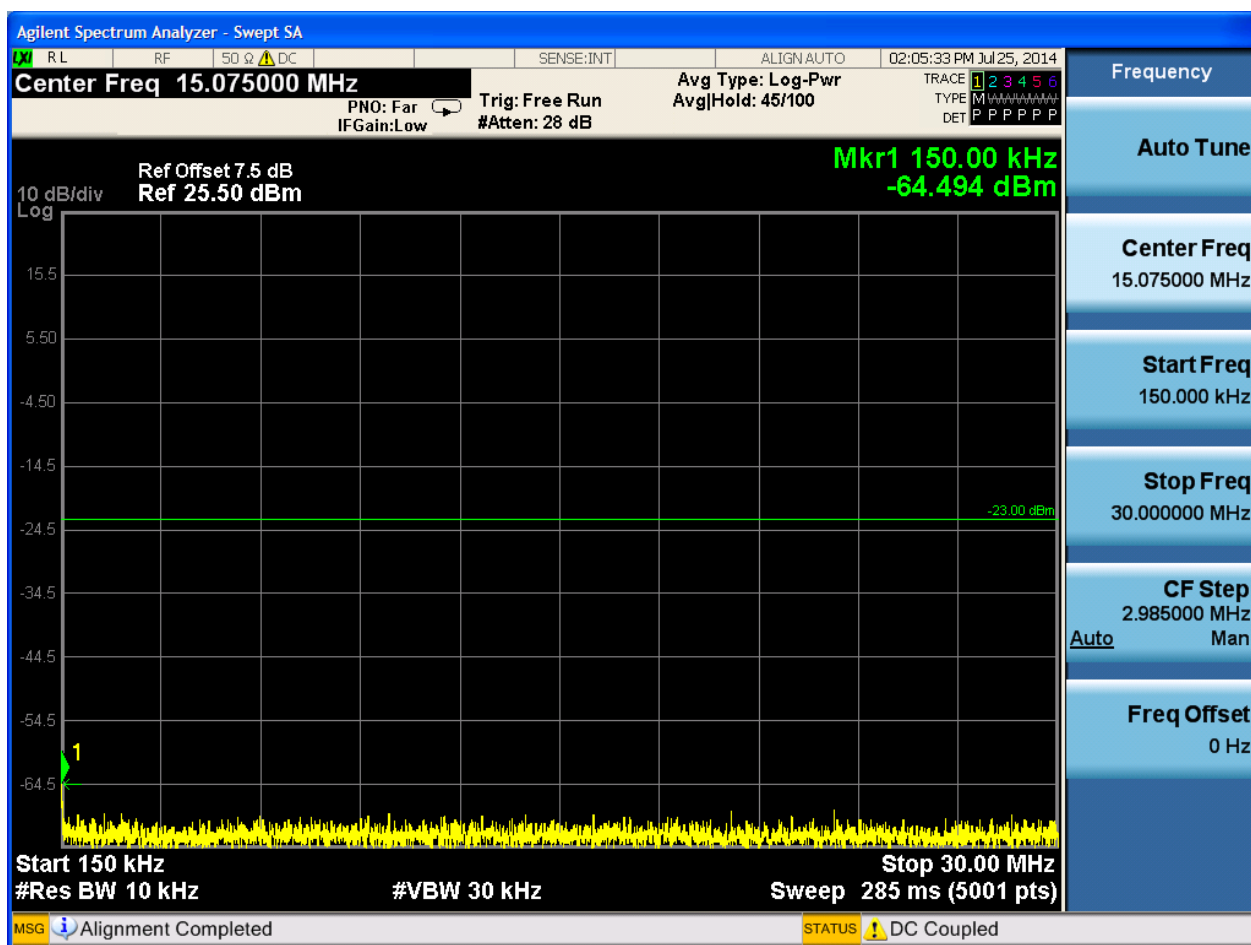


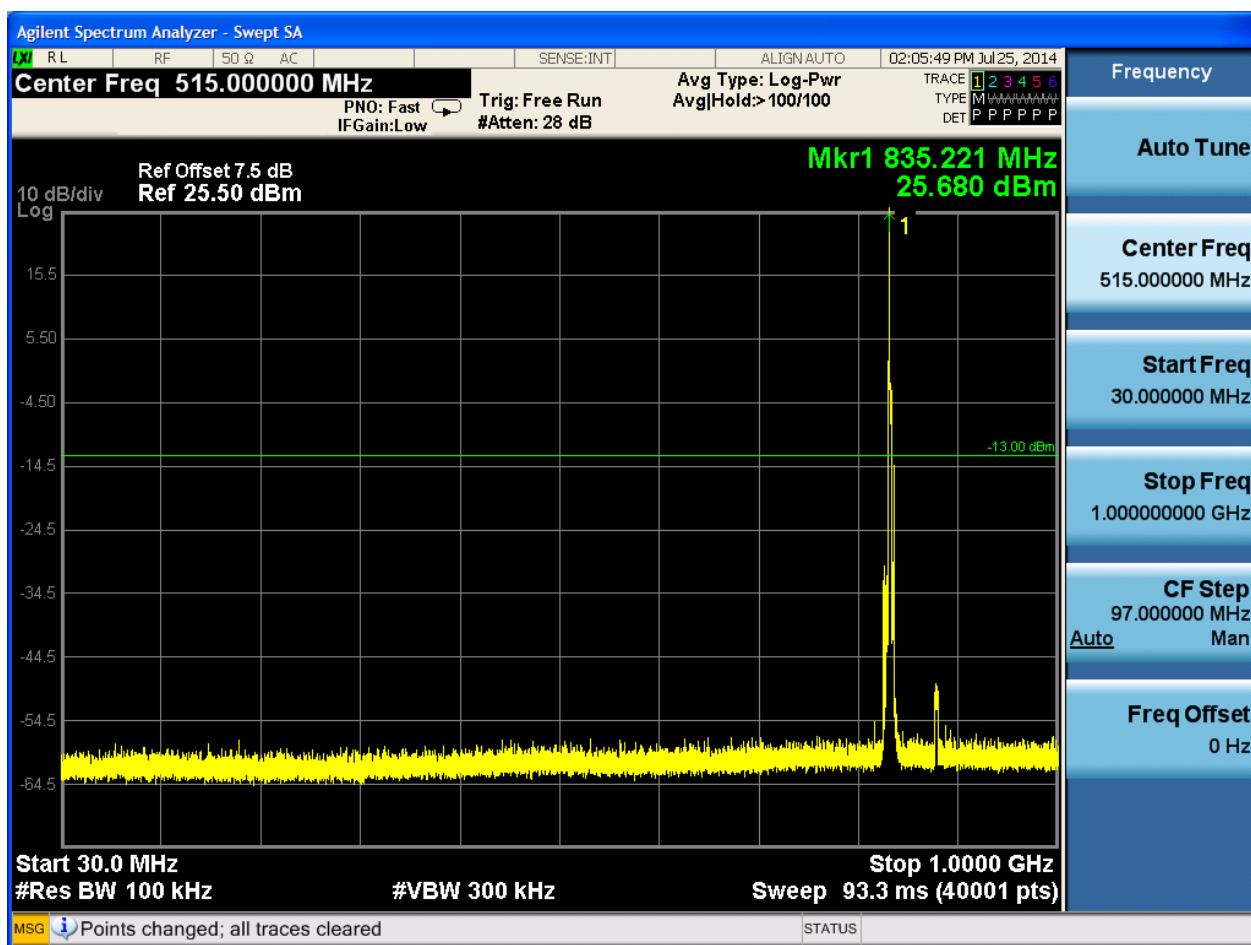


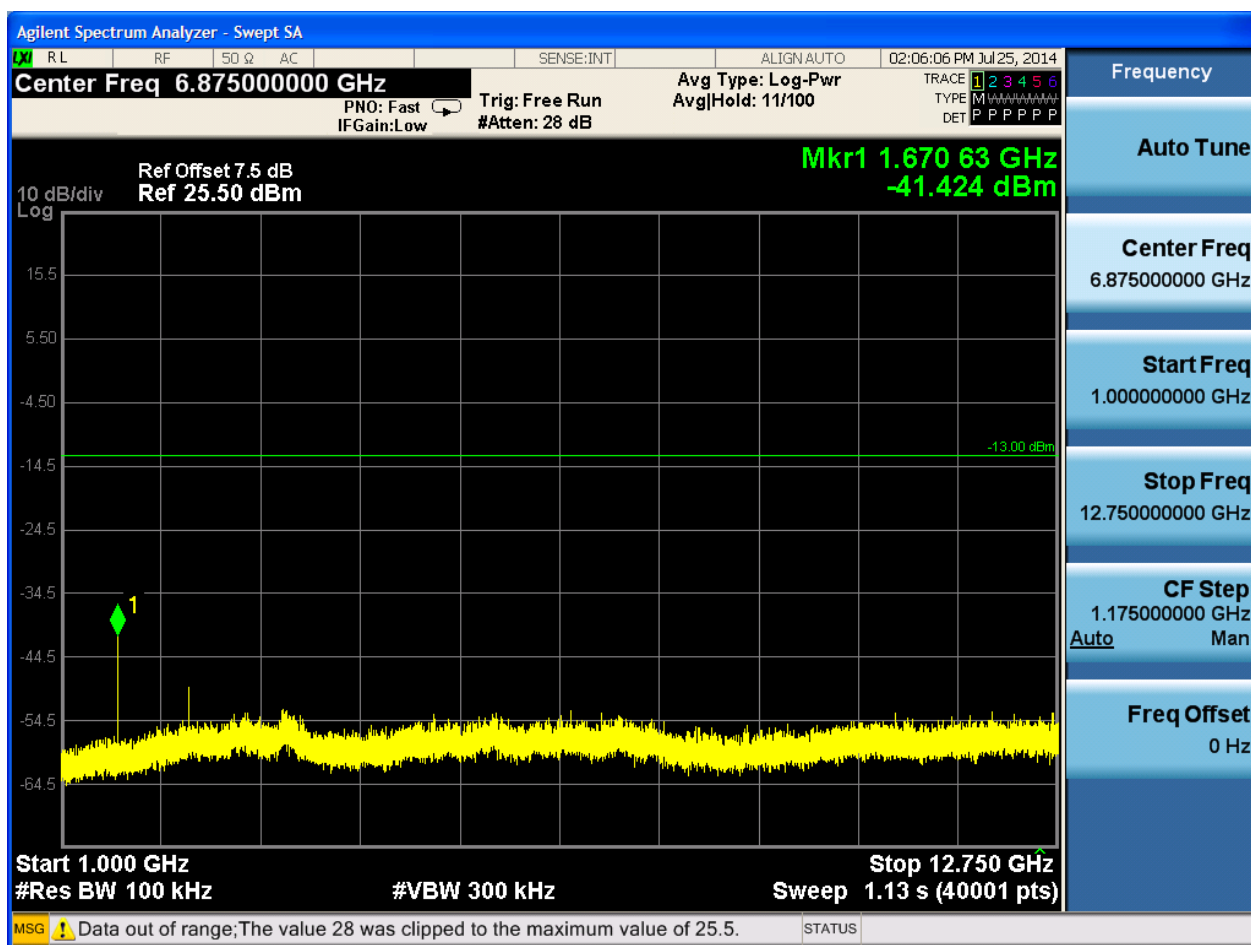
6.3.3.2.2 Test Channel = MCH

6.3.3.2.2.1 Test RB = RB1#0





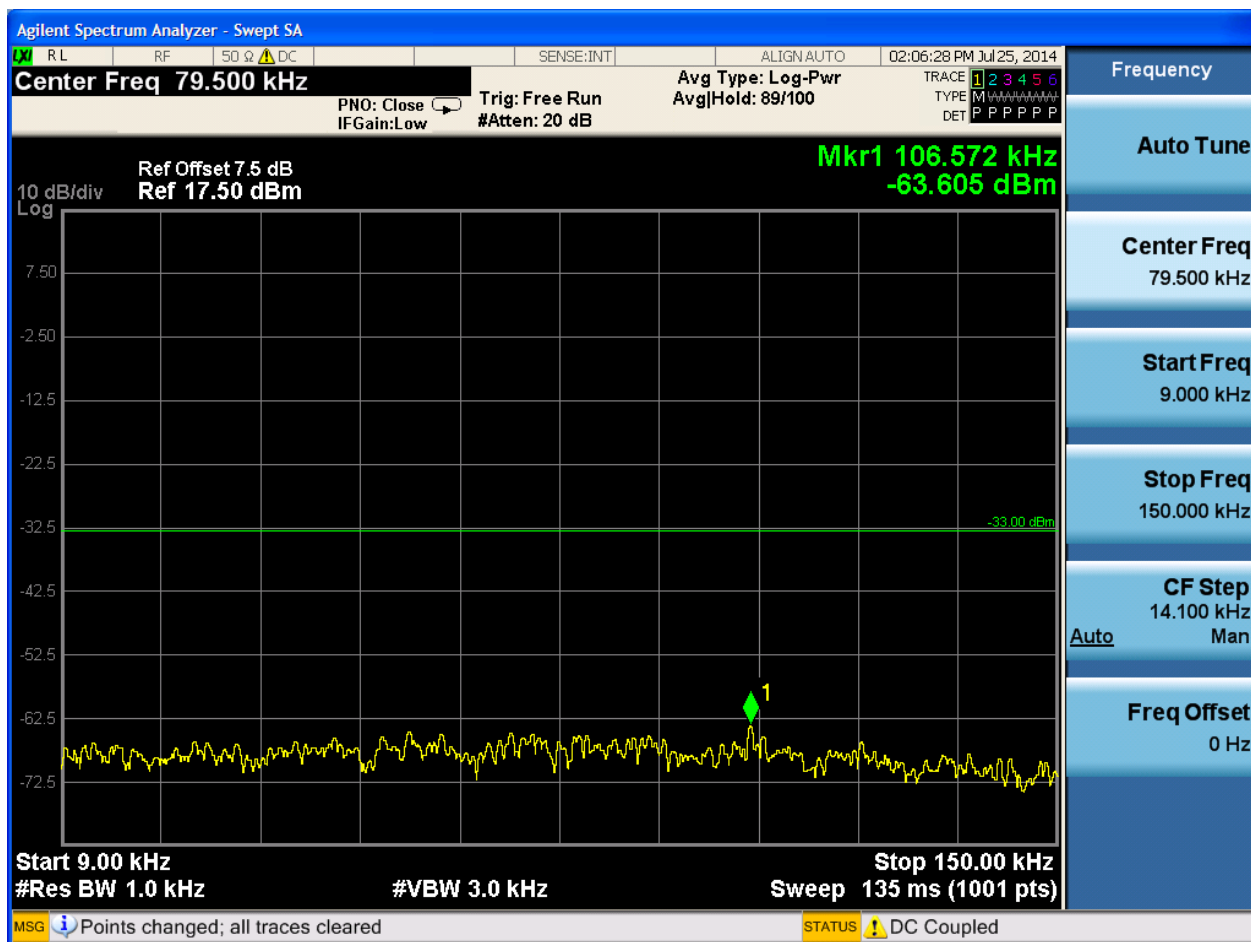


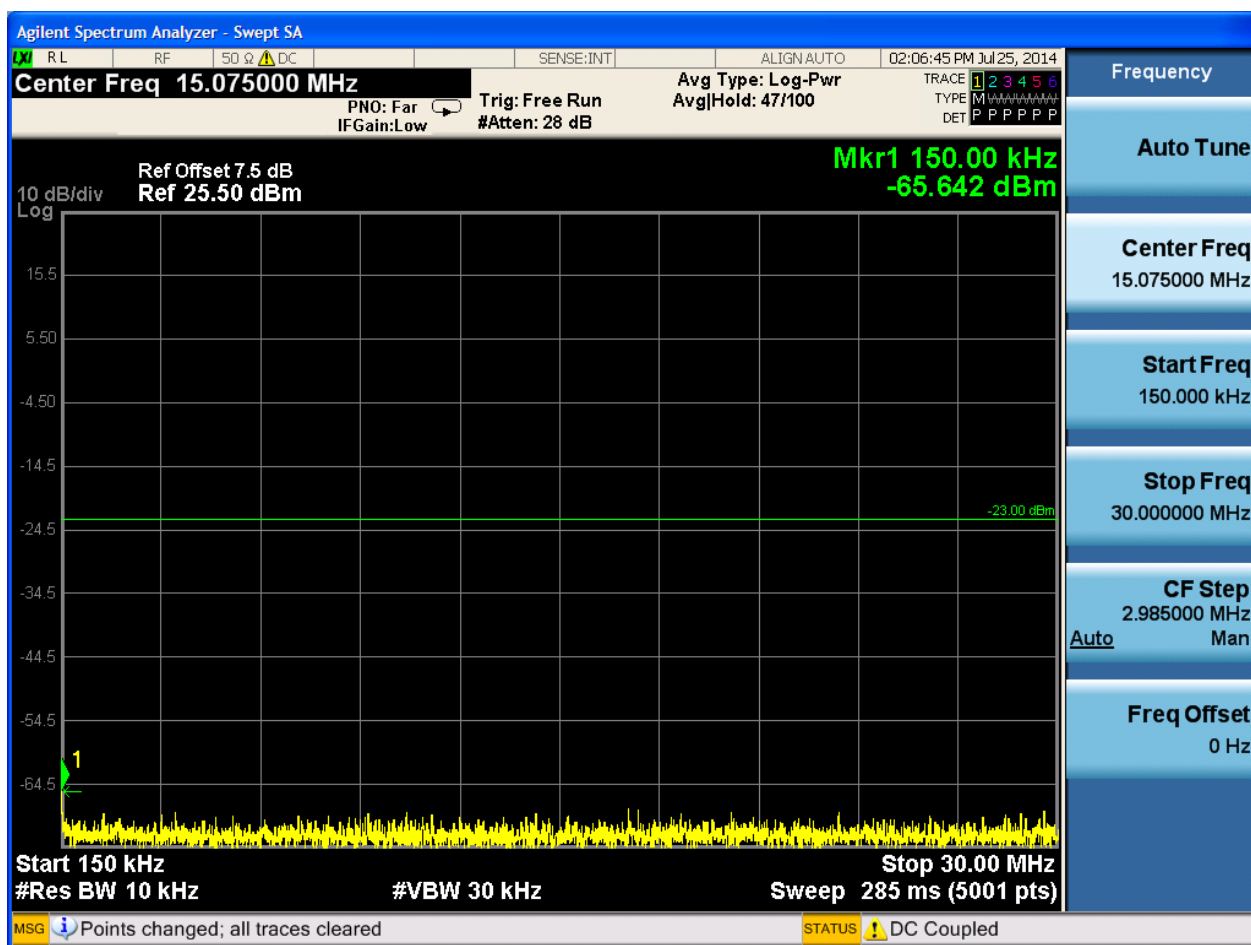


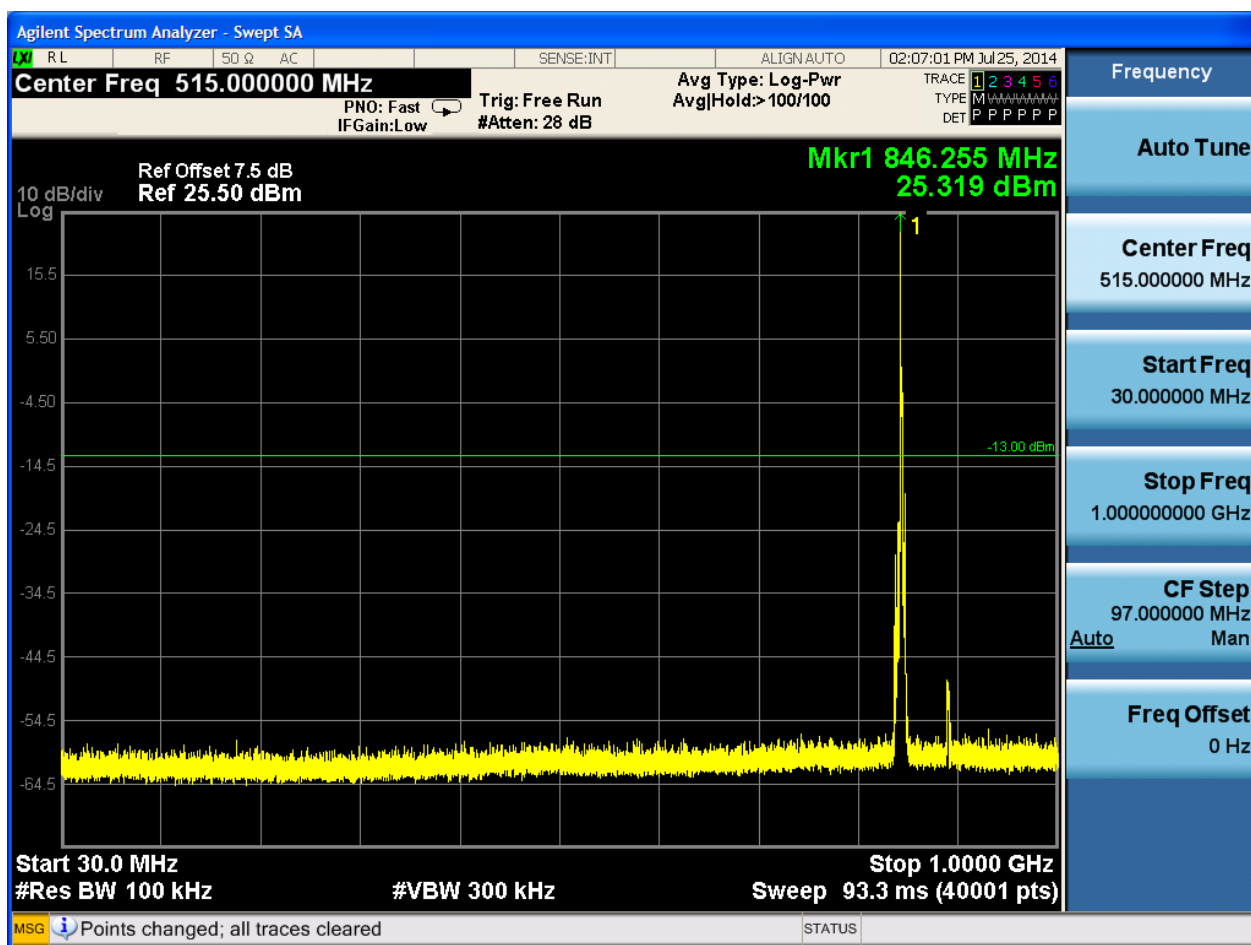


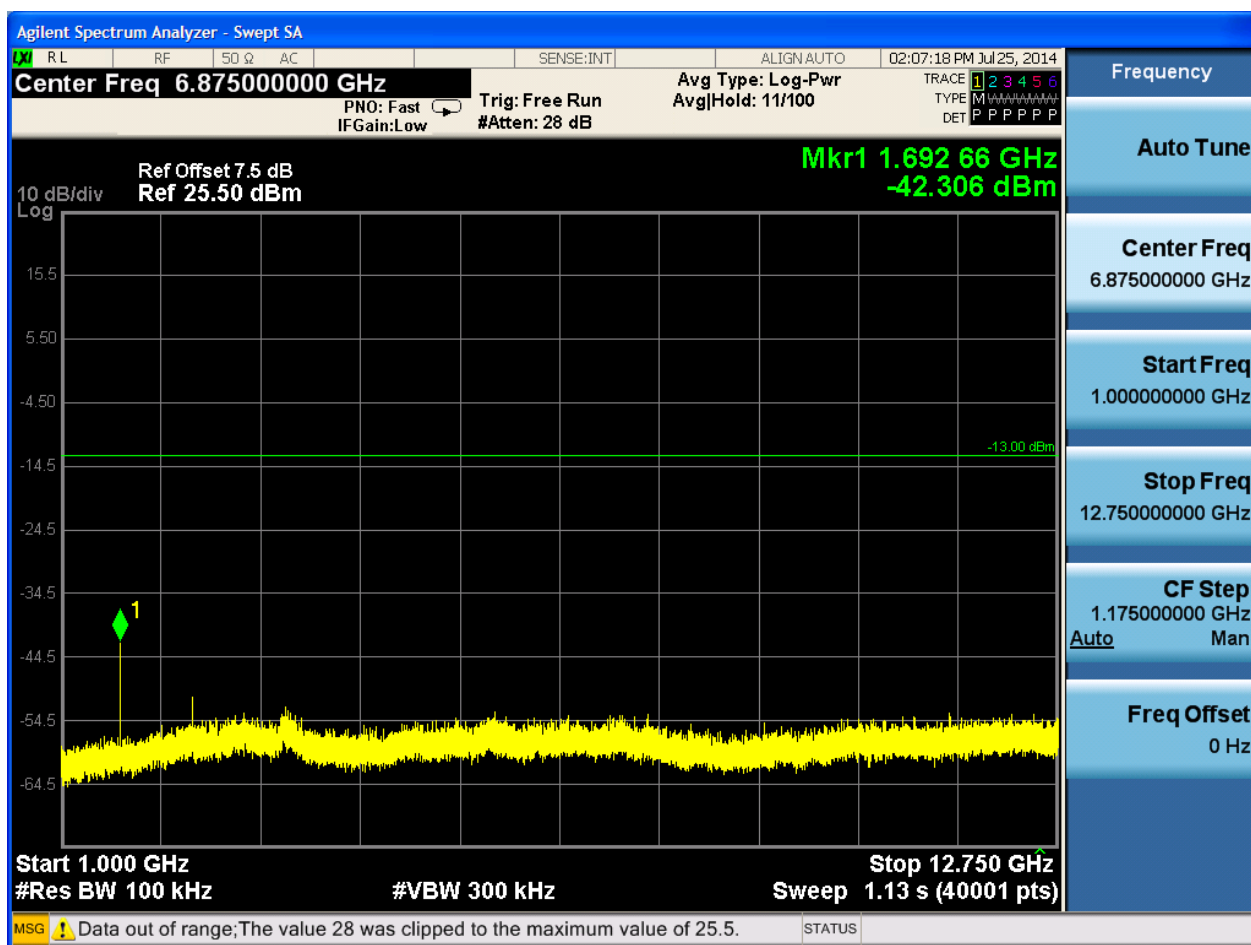
6.3.3.2.2.3 Test Channel = HCH

6.3.3.2.2.3.1 Test RB = RB1#0





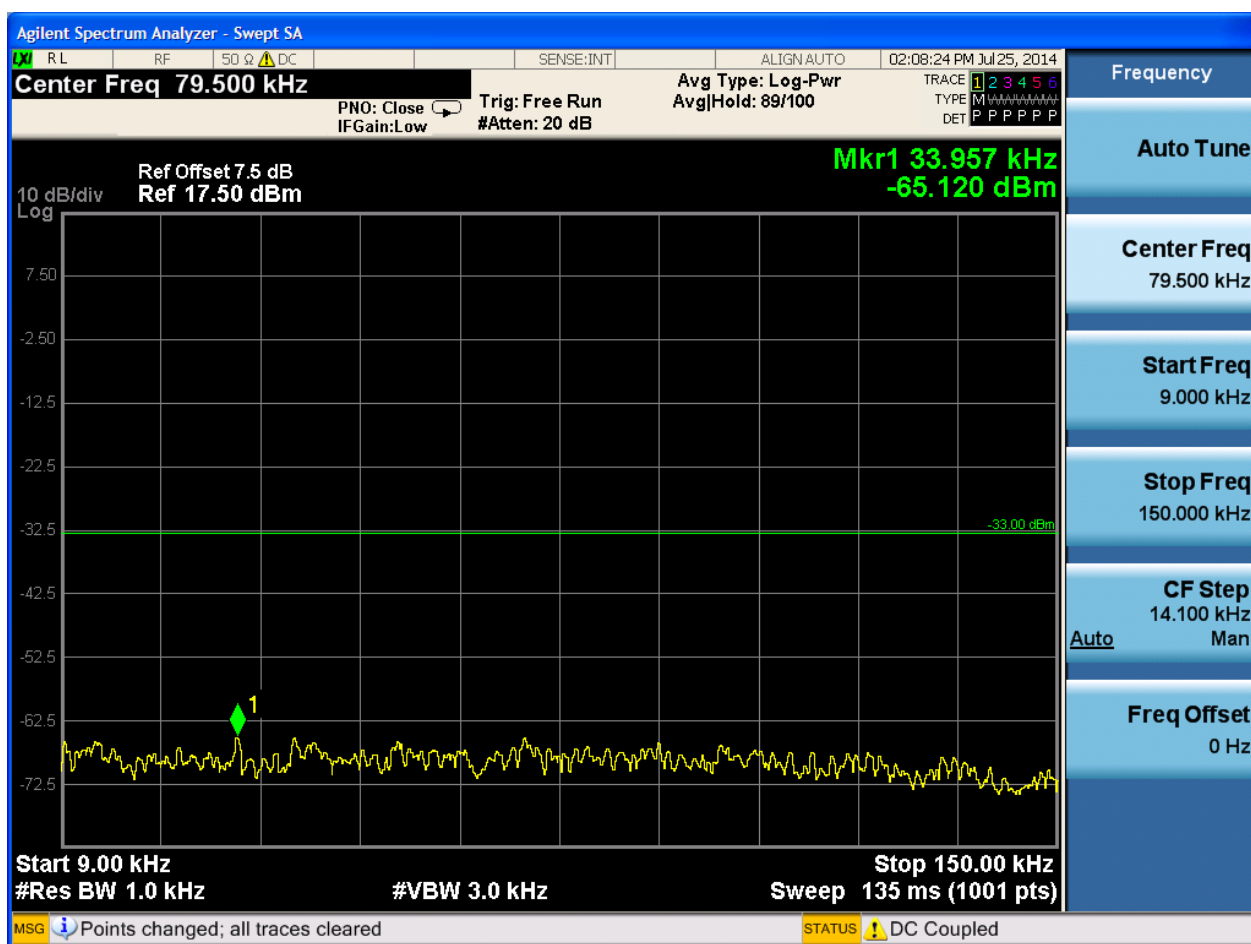


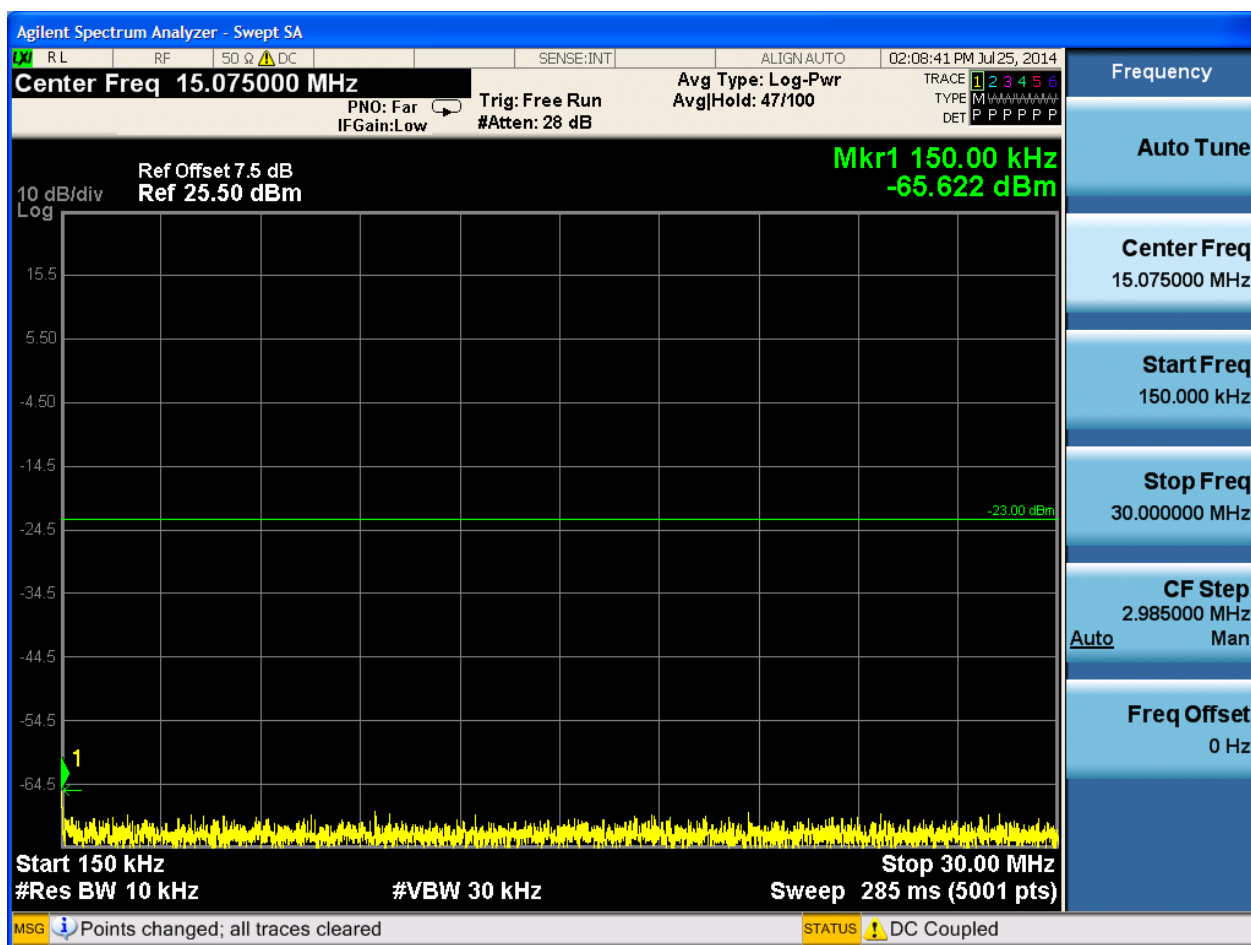


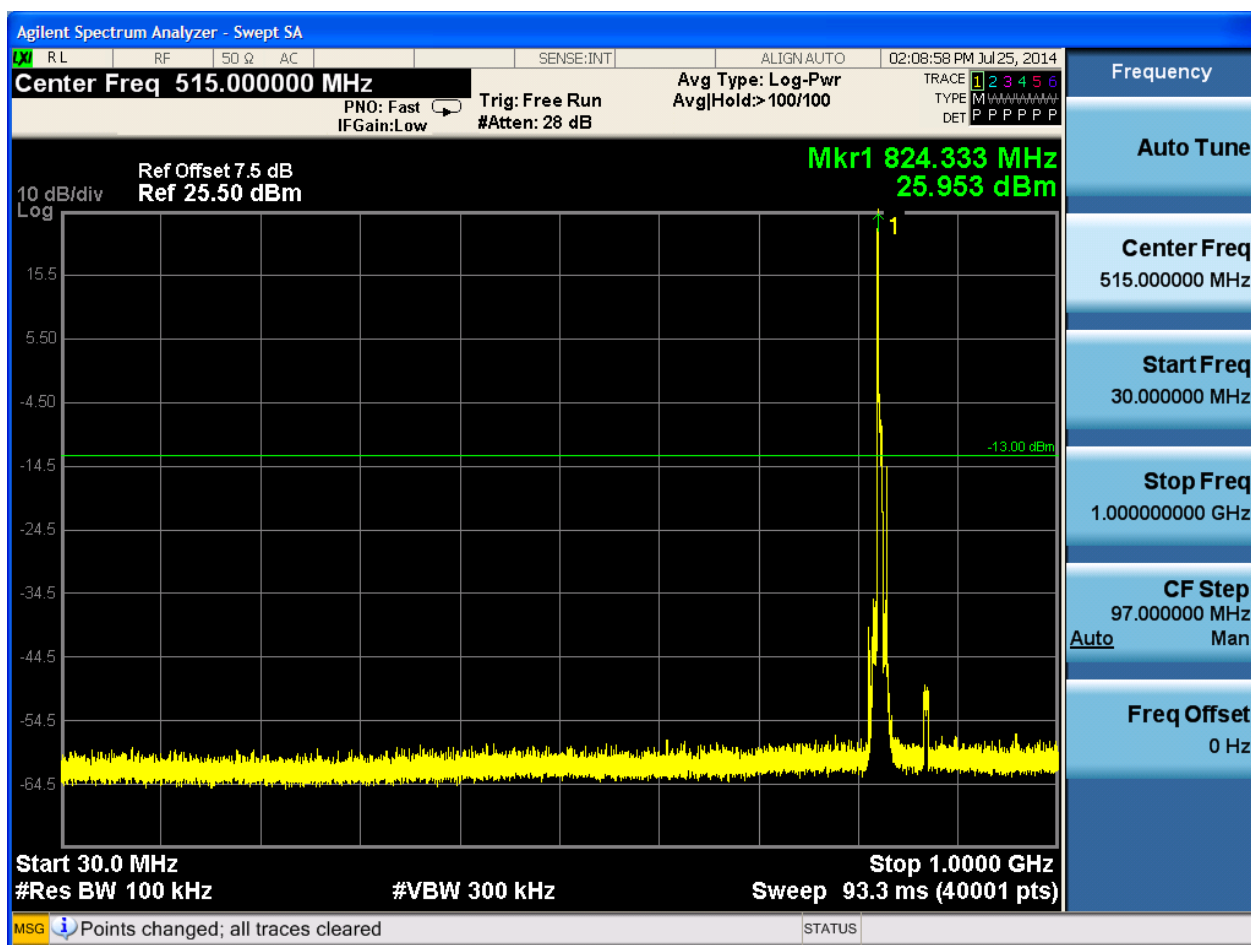
6.3.3.2.3 Test Bandwidth = 5

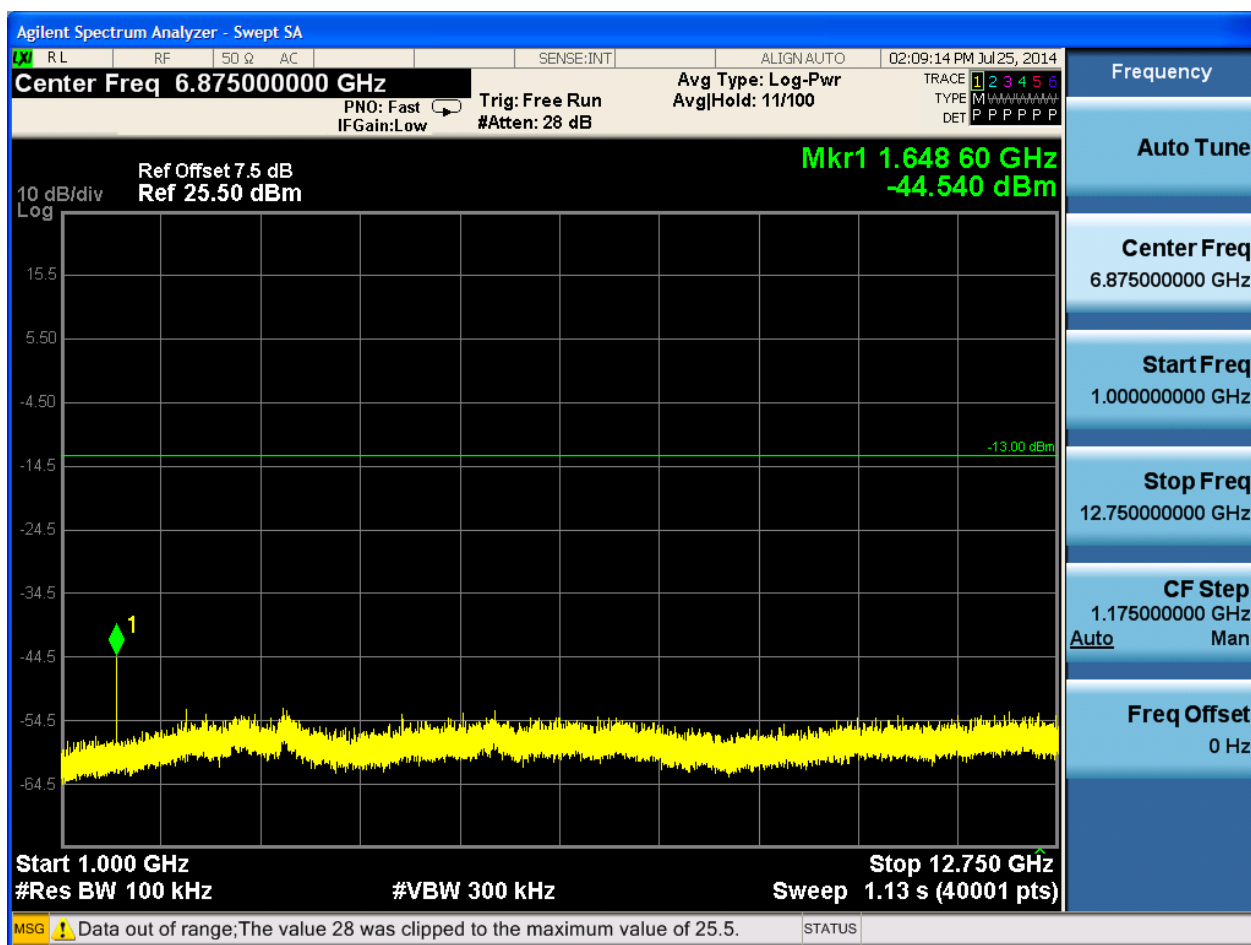
6.3.3.2.3.1 Test Channel = LCH

6.3.3.2.3.1.1 Test RB = RB1#0



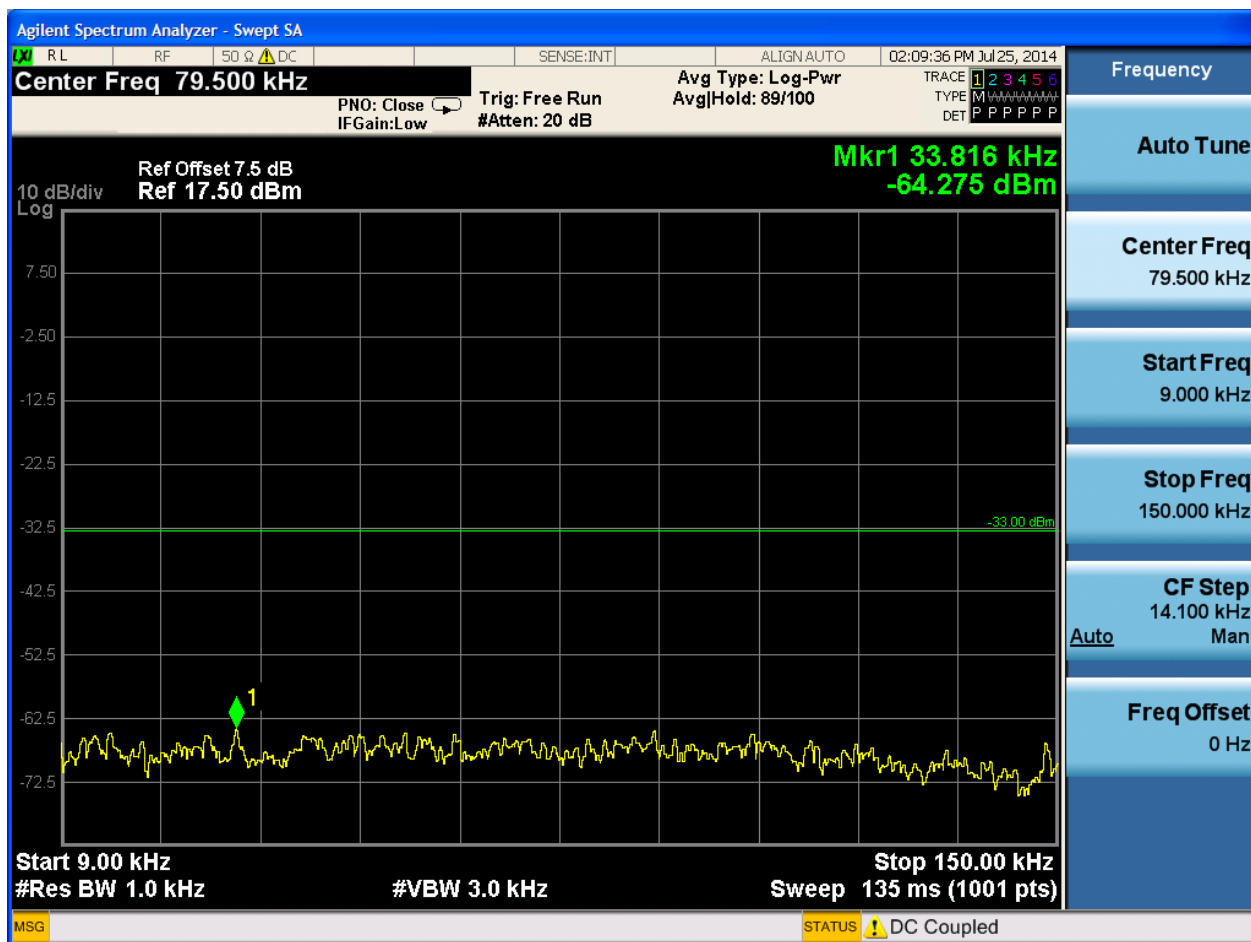


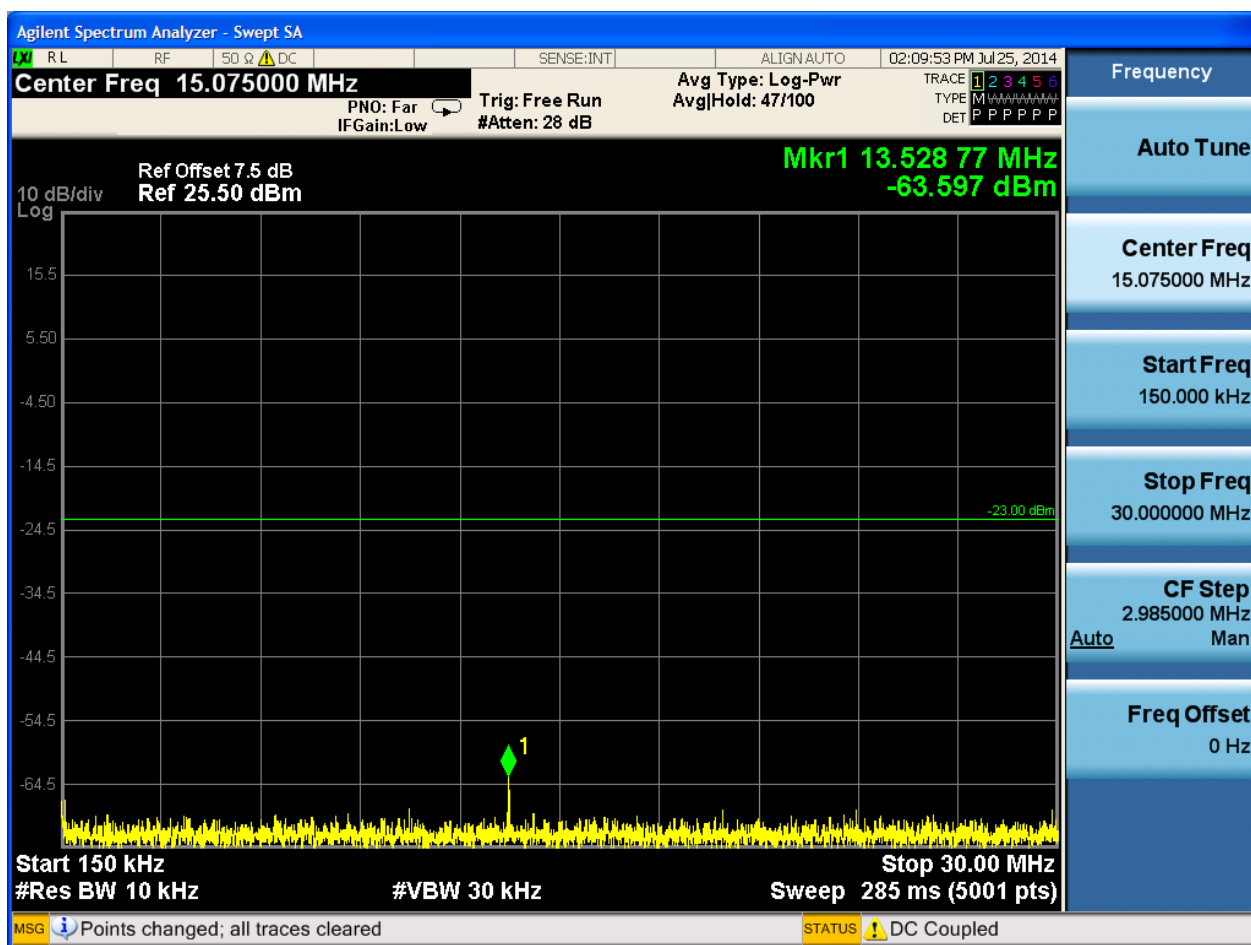


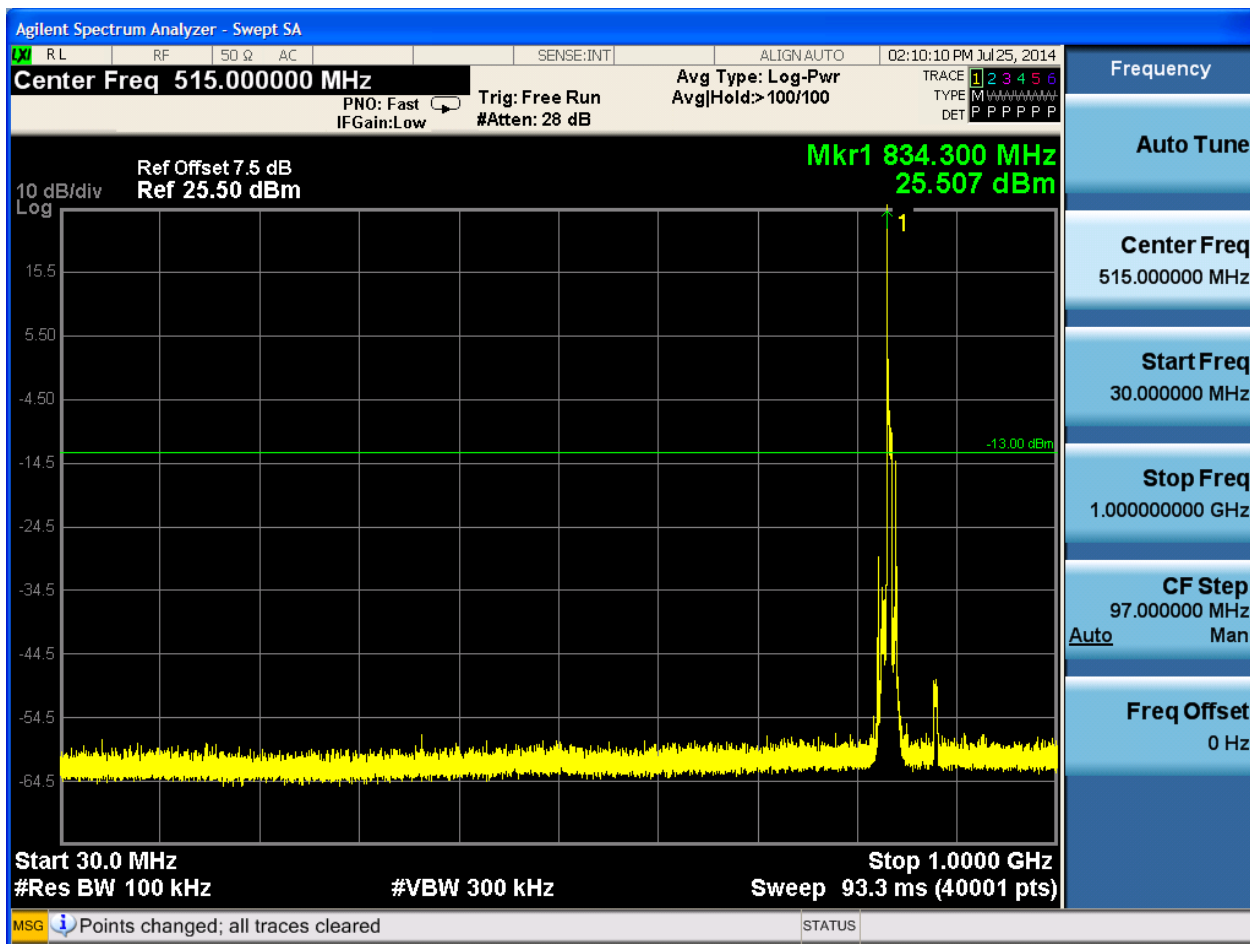


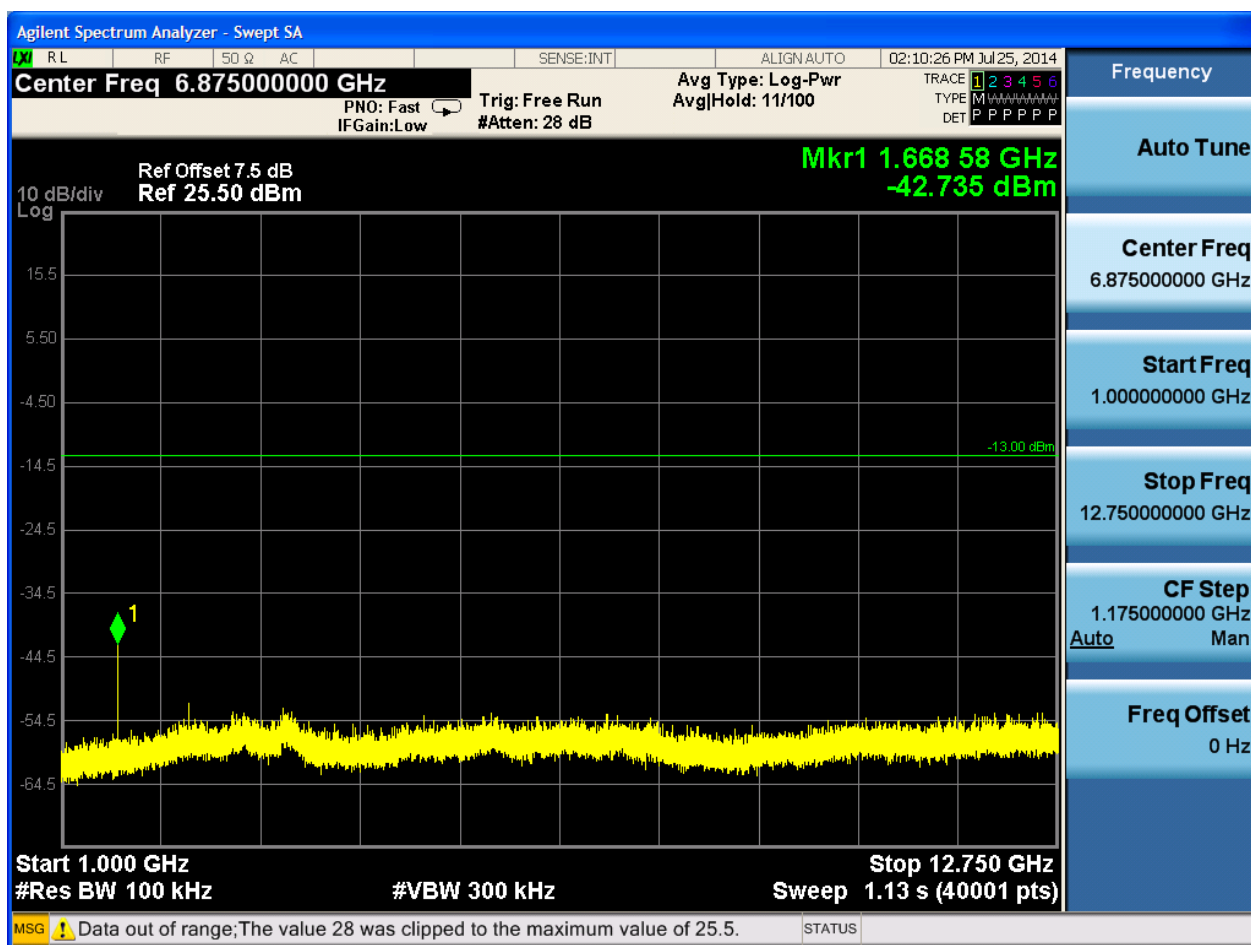
6.3.3.2.3.2 Test Channel = MCH

6.3.3.2.3.2.1 Test RB = RB1#0





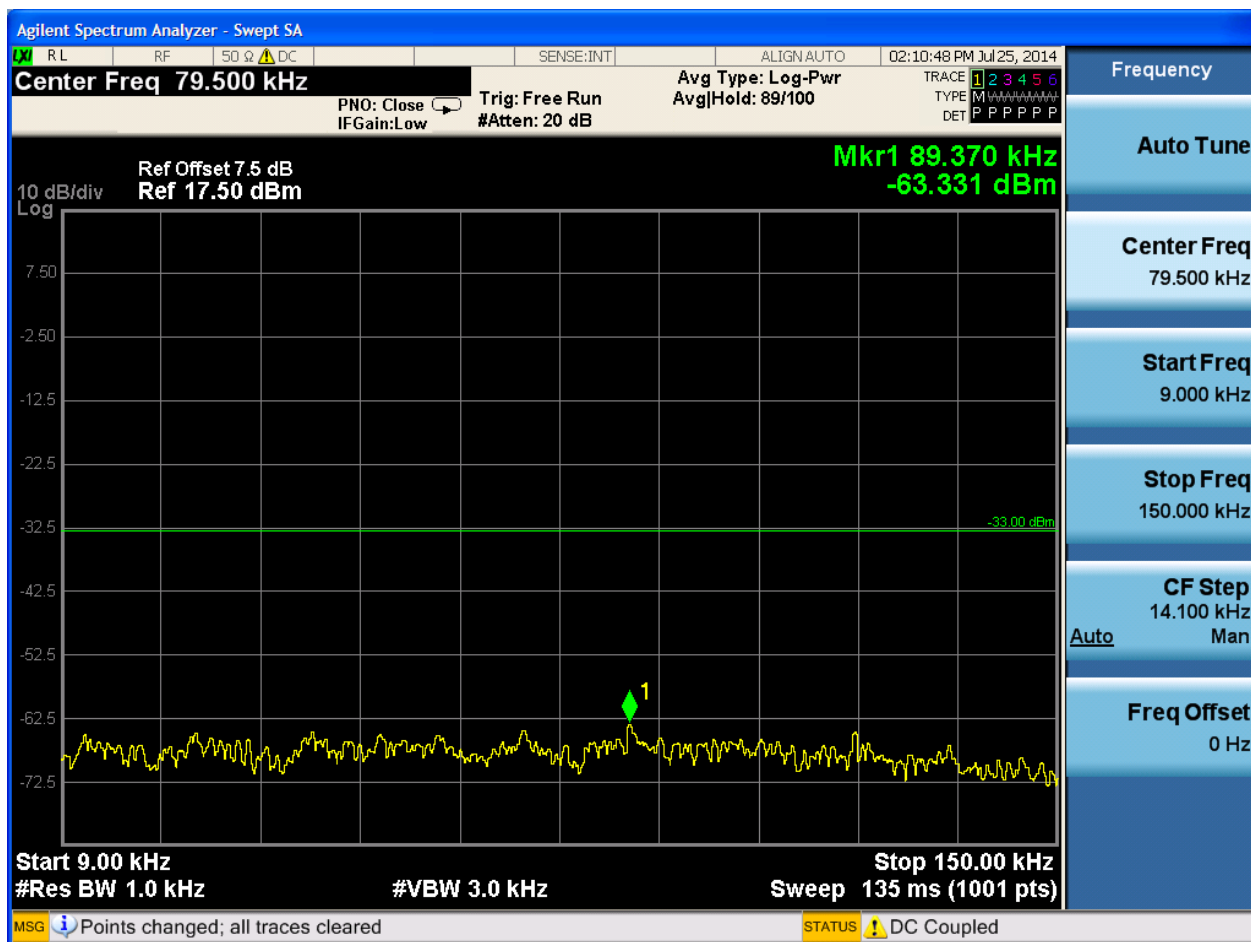


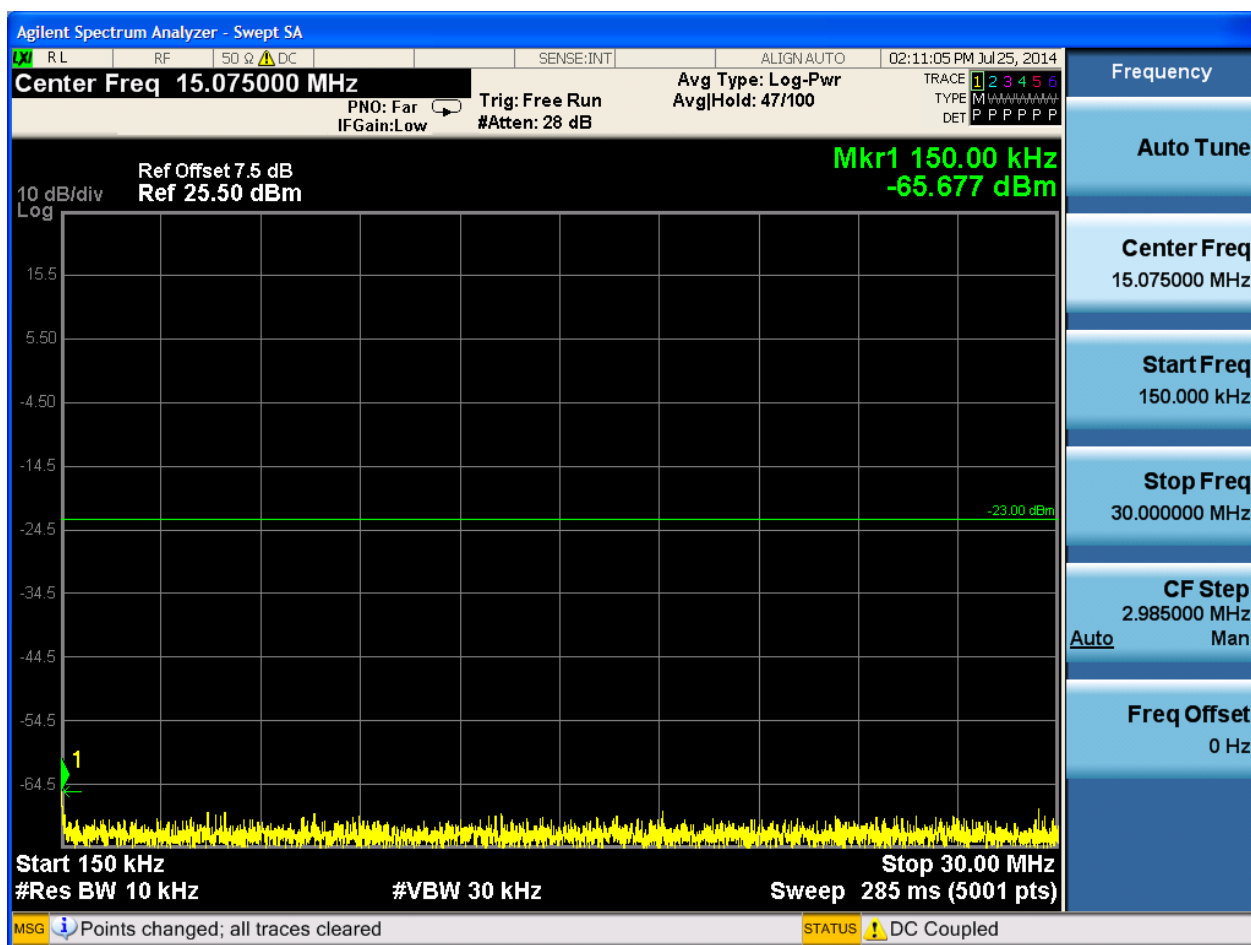


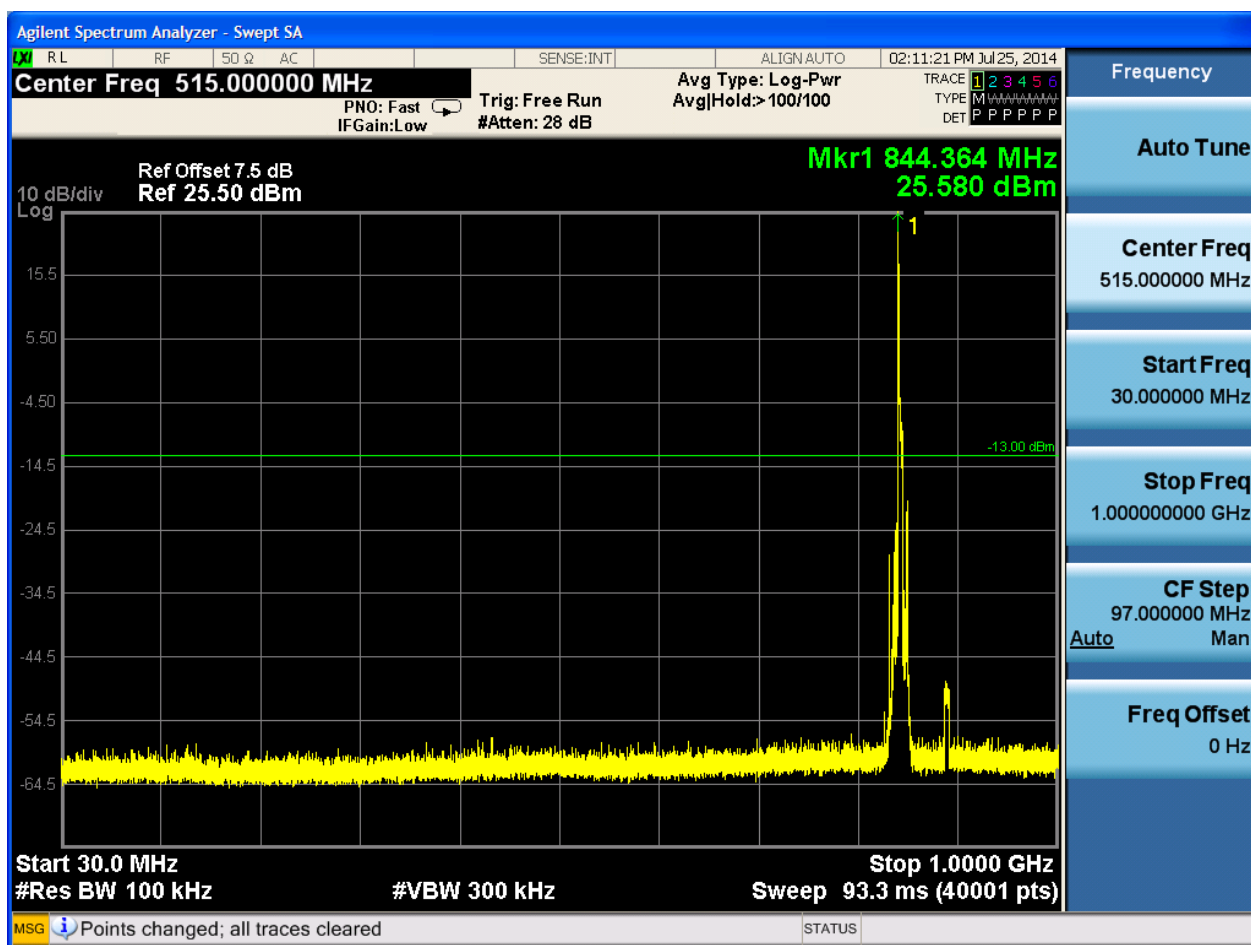


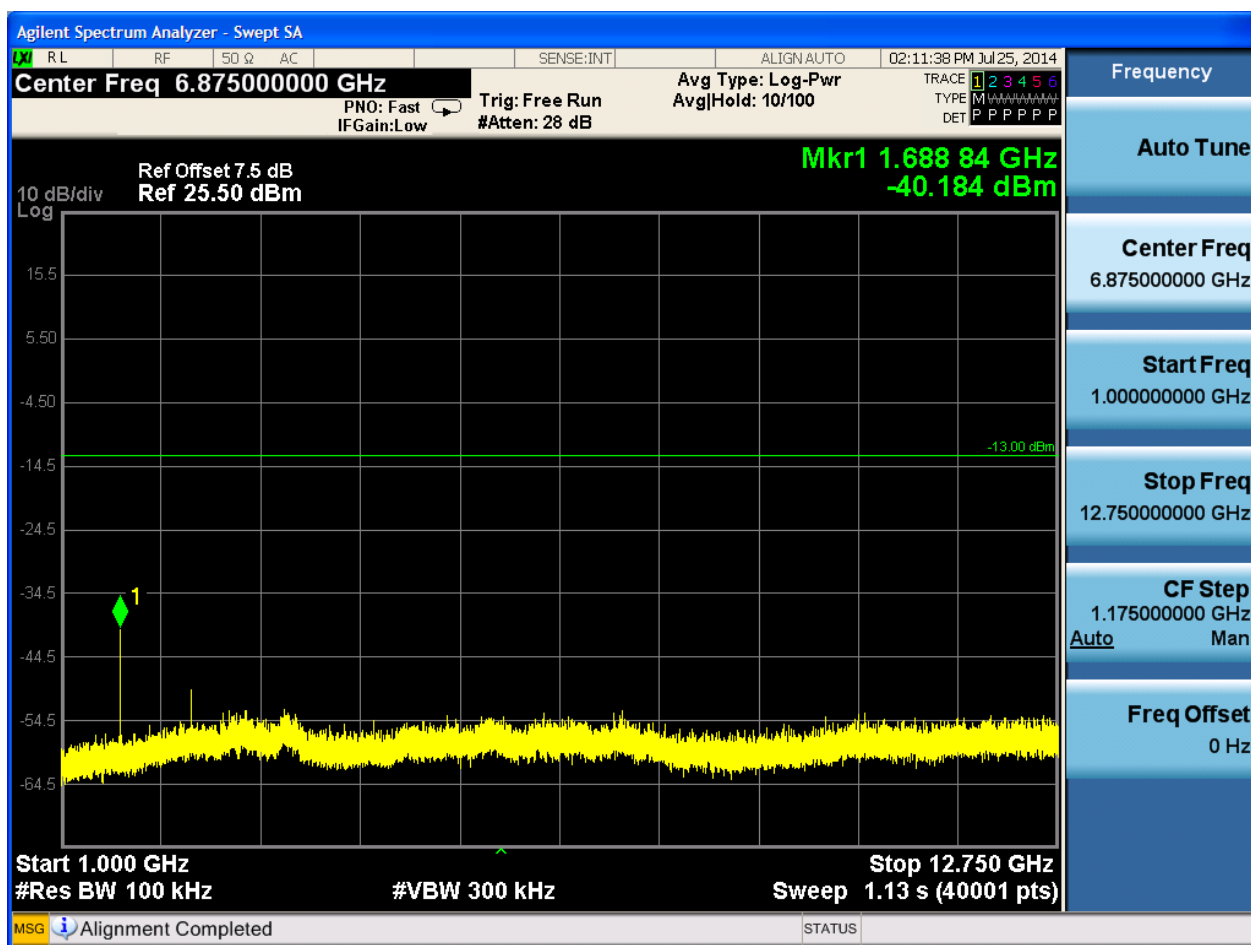
6.3.3.2.3.3 Test Channel = HCH

6.3.3.2.3.3.1 Test RB = RB1#0





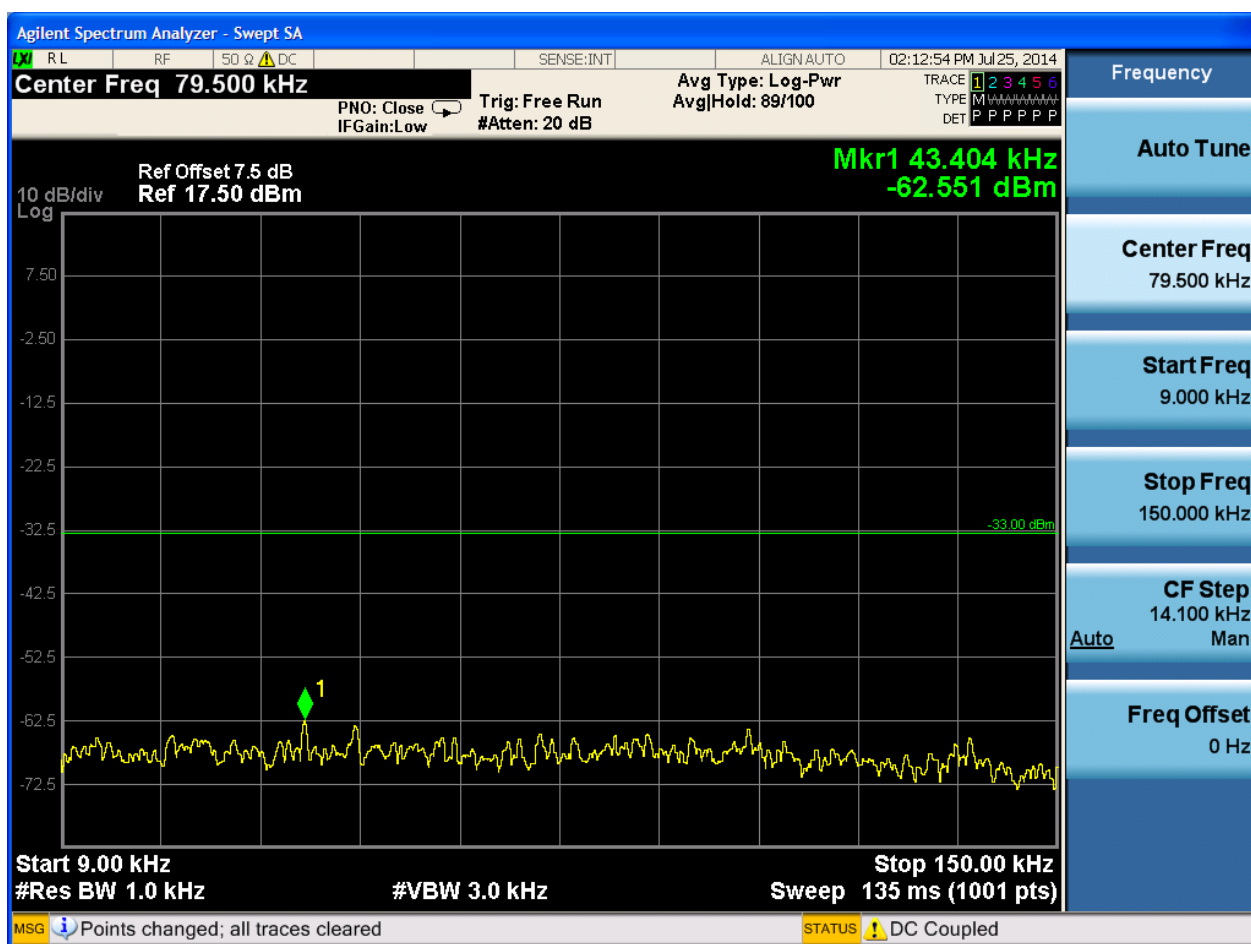


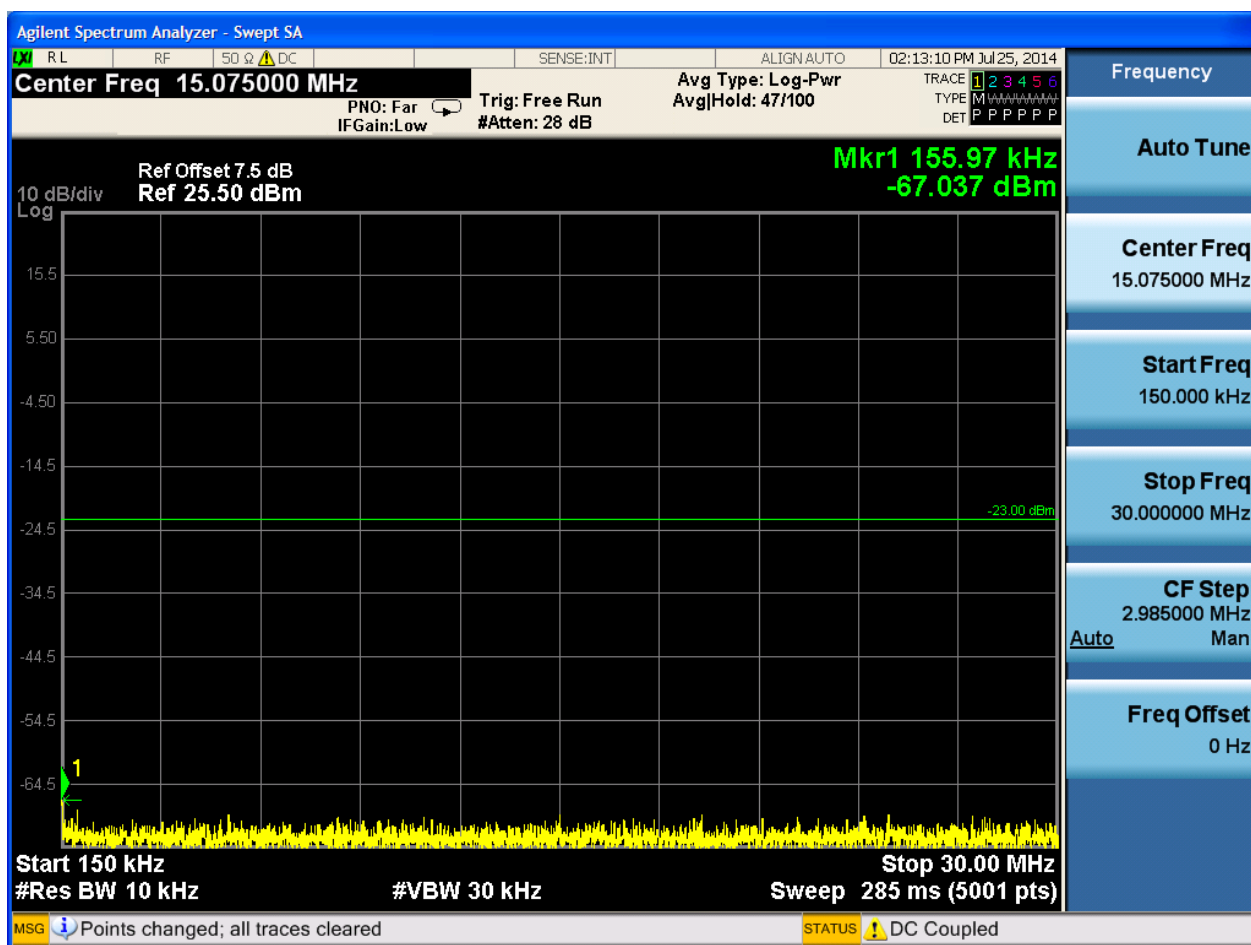


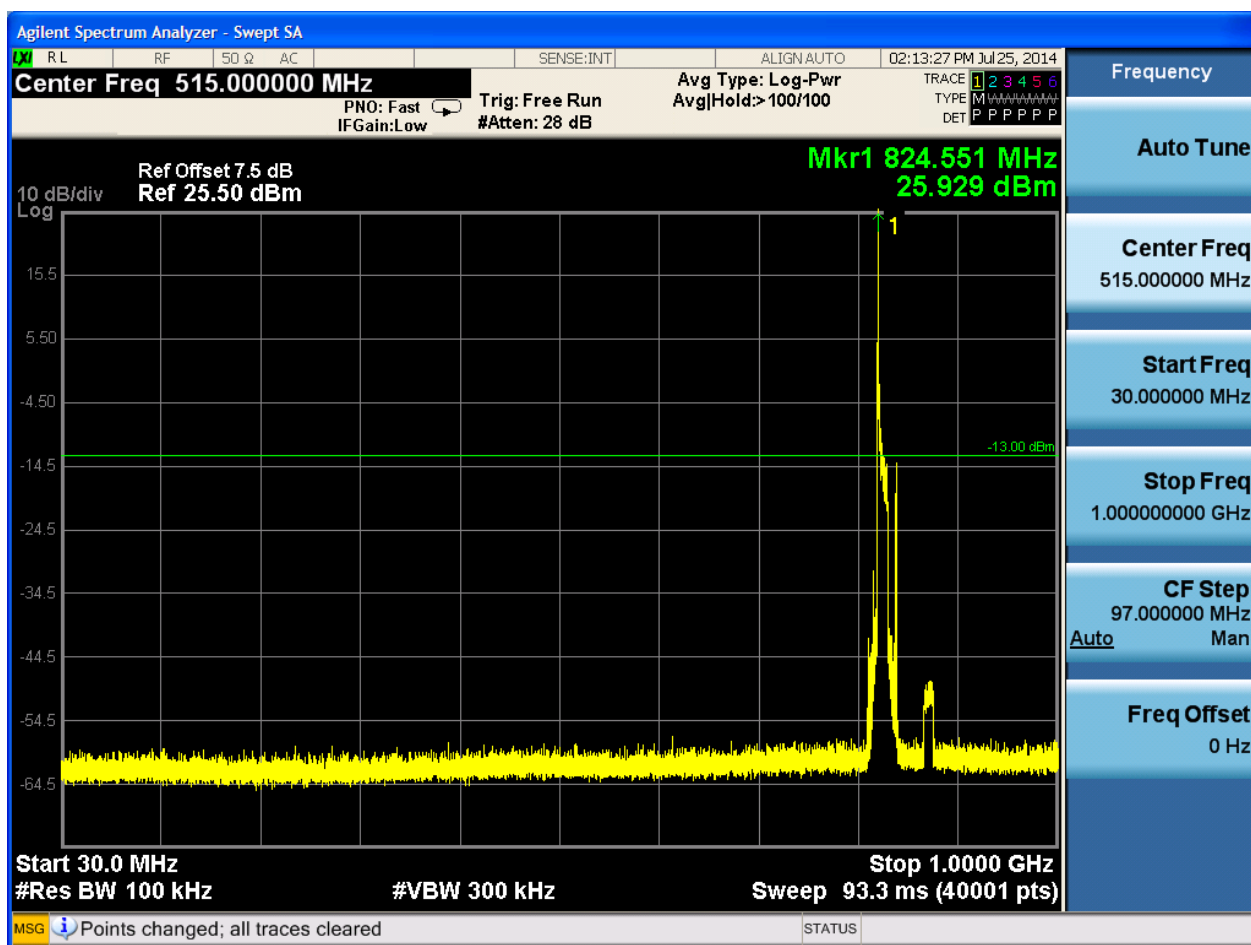
6.3.3.2.4 Test Bandwidth = 10

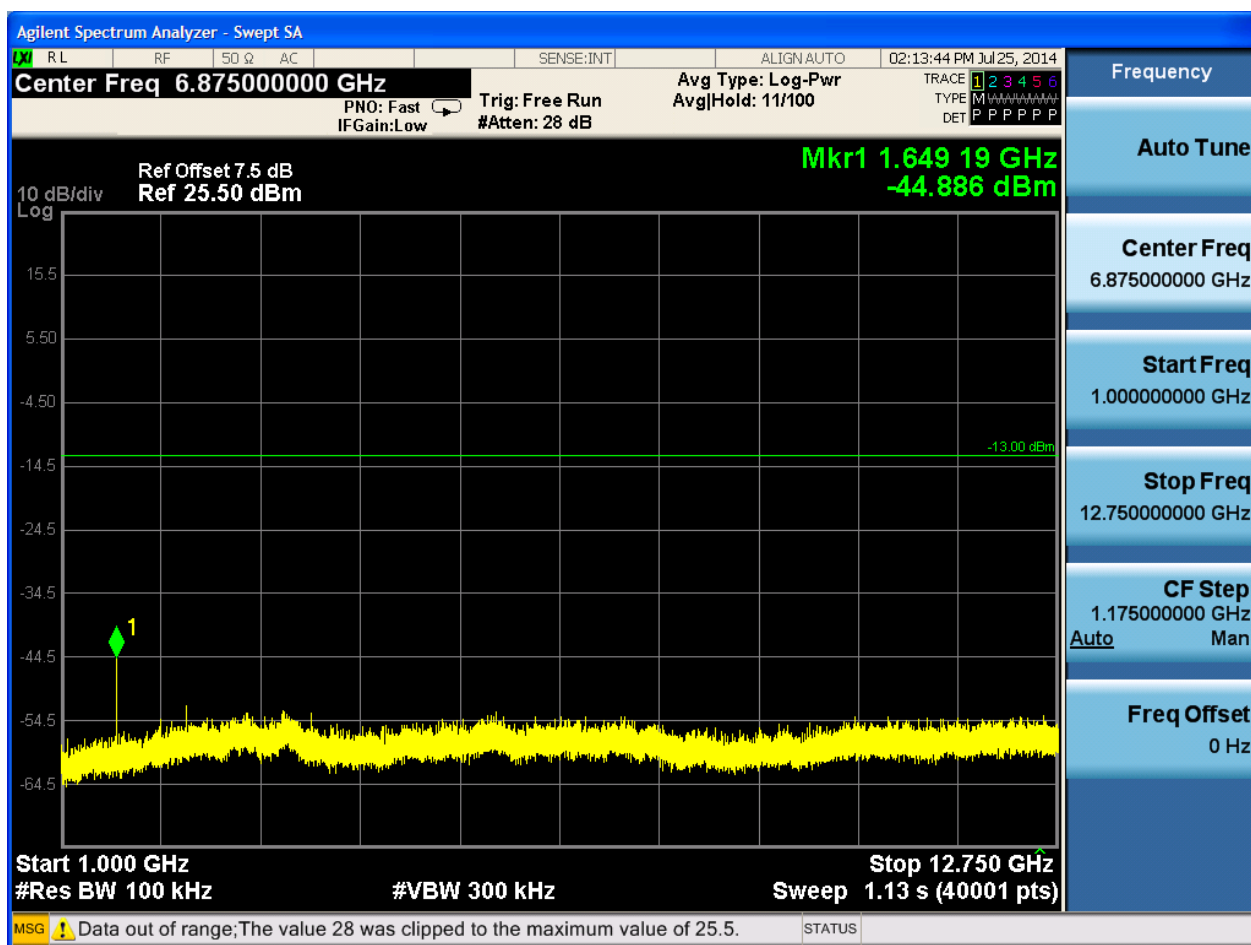
6.3.3.2.4.1 Test Channel = LCH

6.3.3.2.4.1.1 Test RB = RB1#0





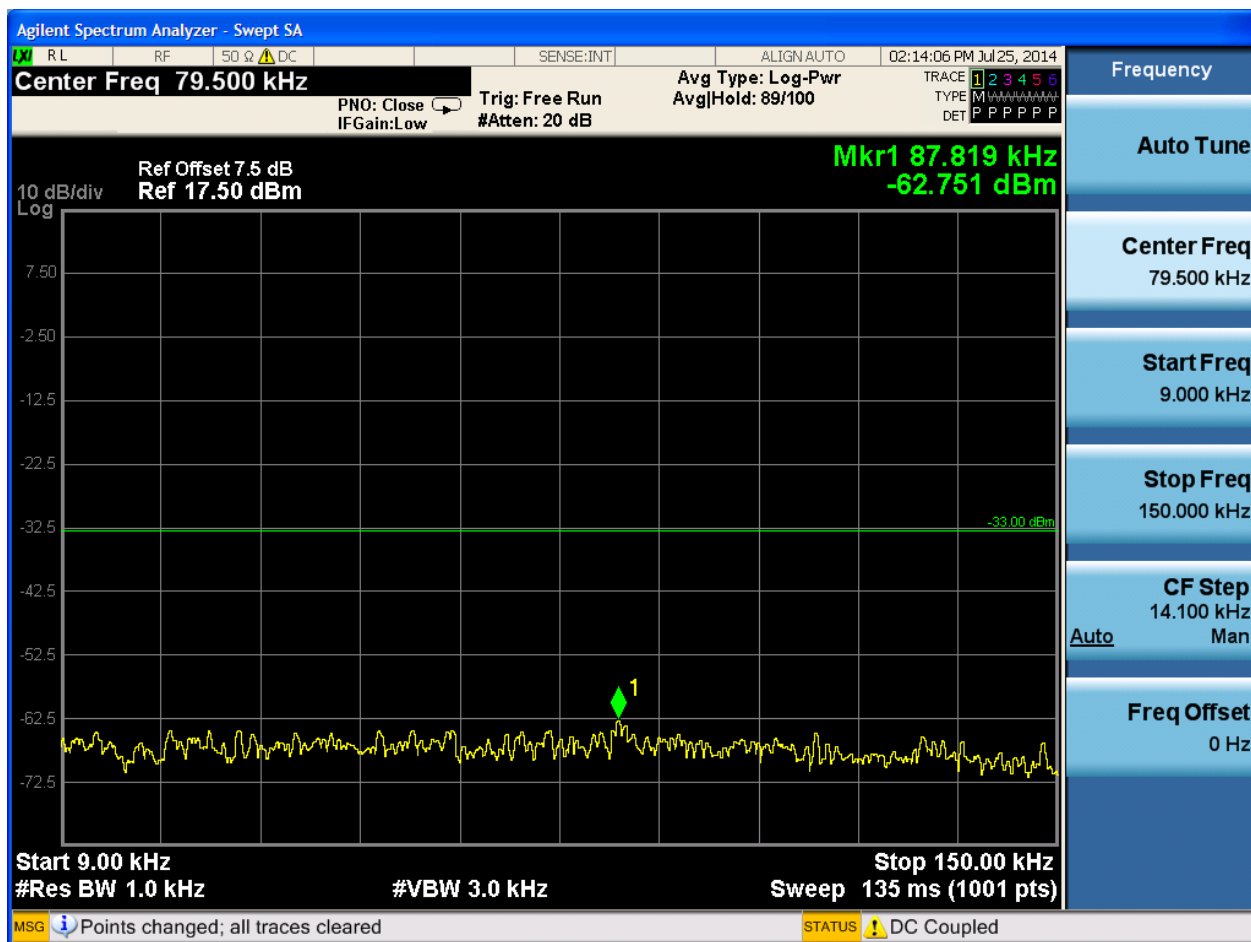


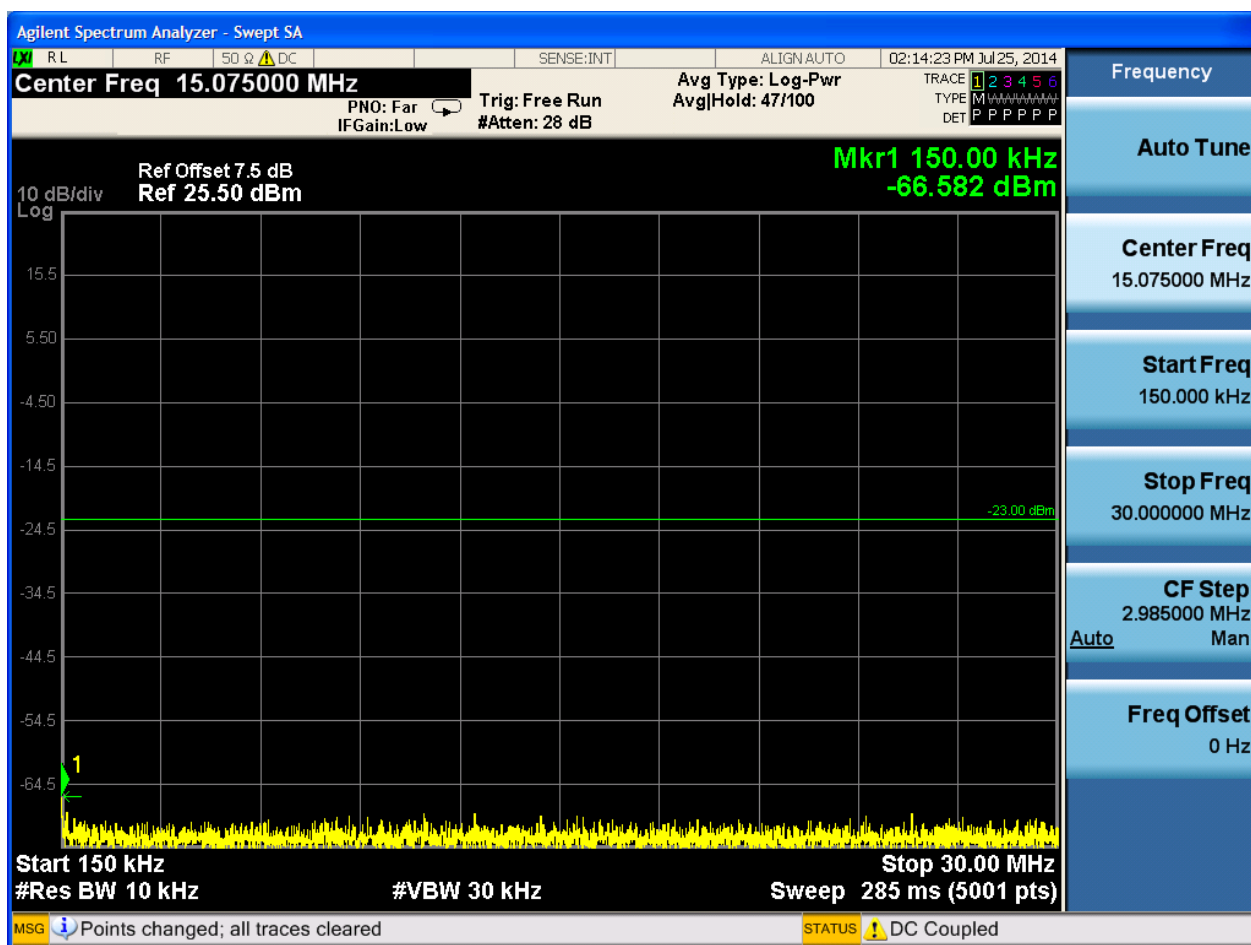


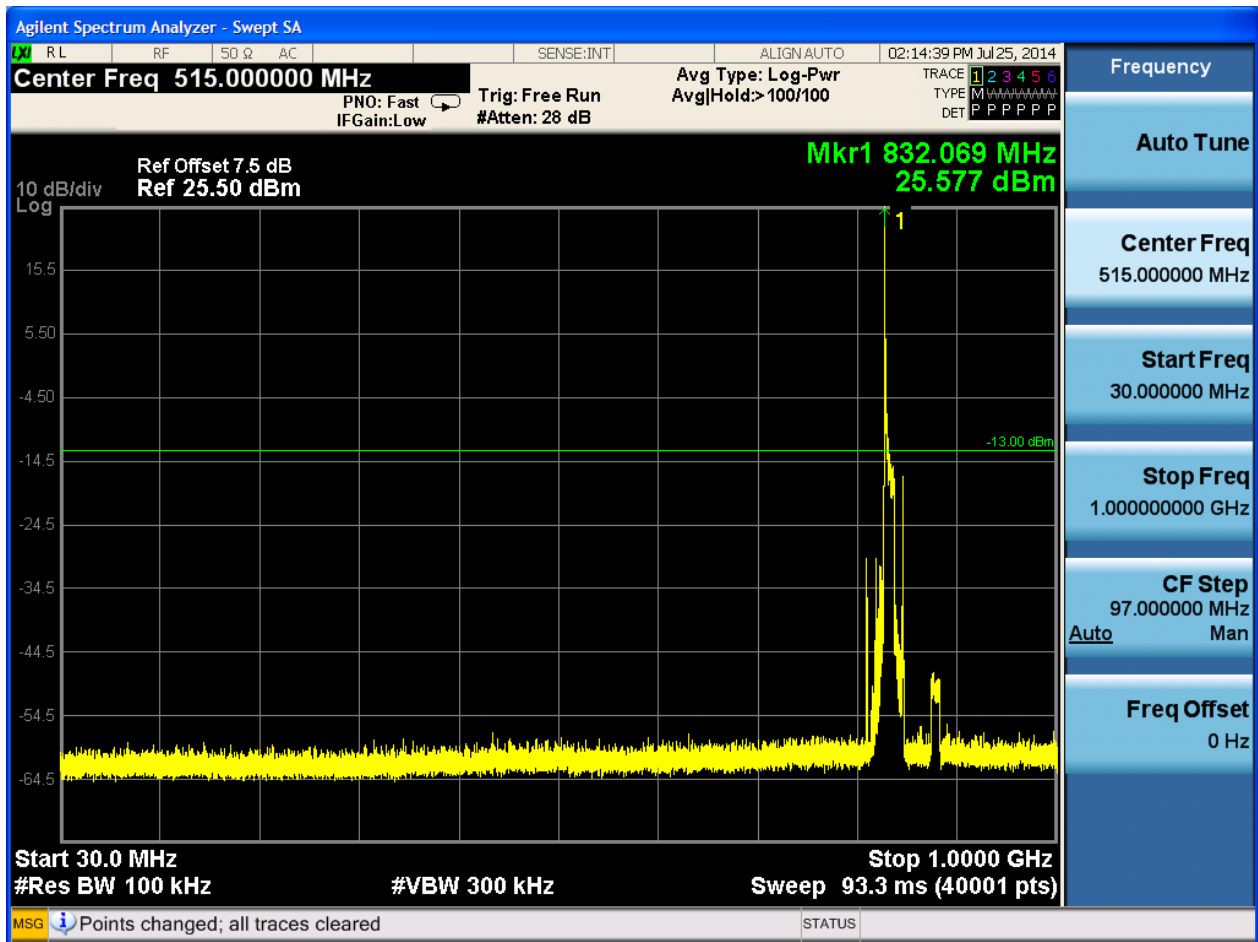


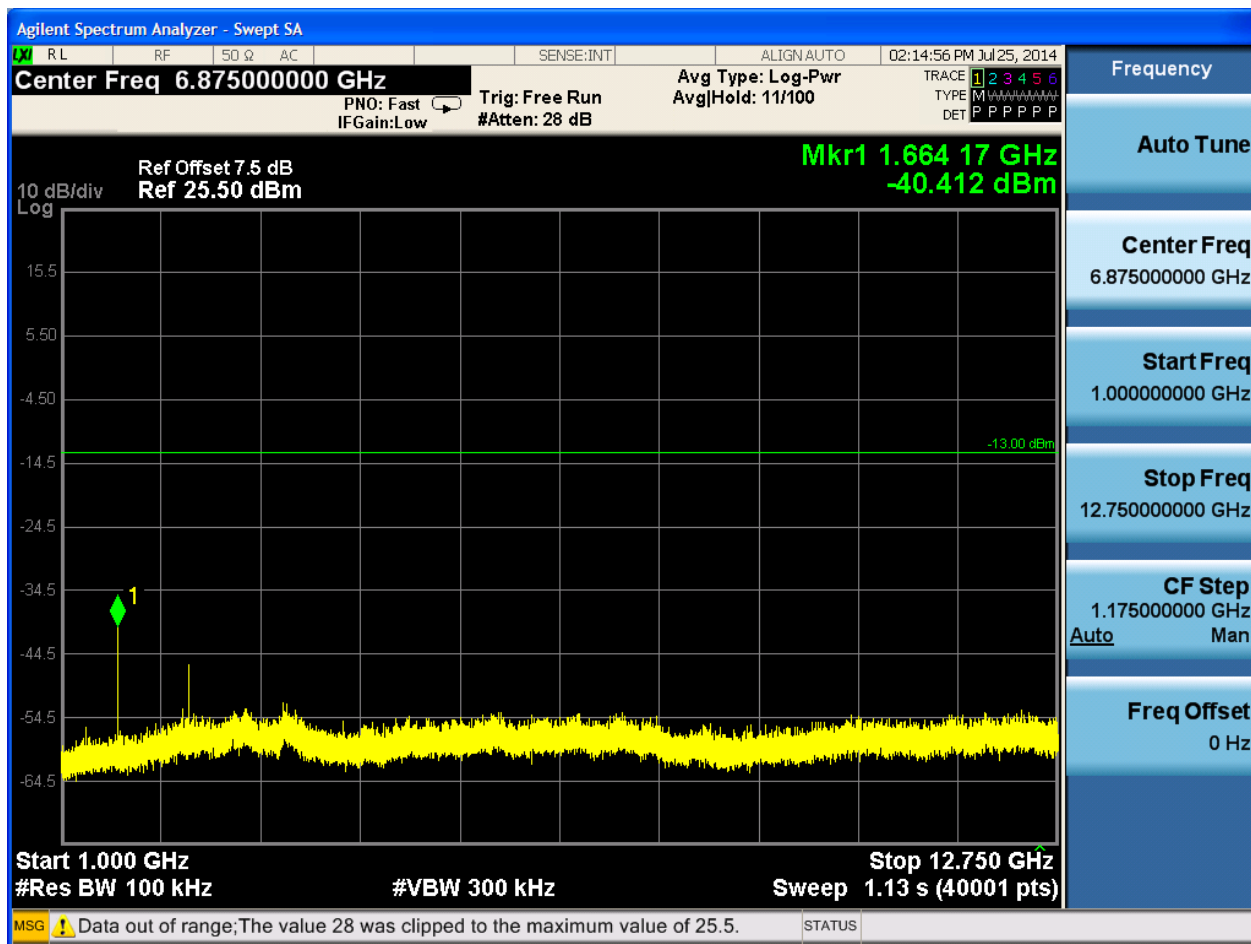
6.3.3.2.4.2 Test Channel = MCH

6.3.3.2.4.2.1 Test RB = RB1#0





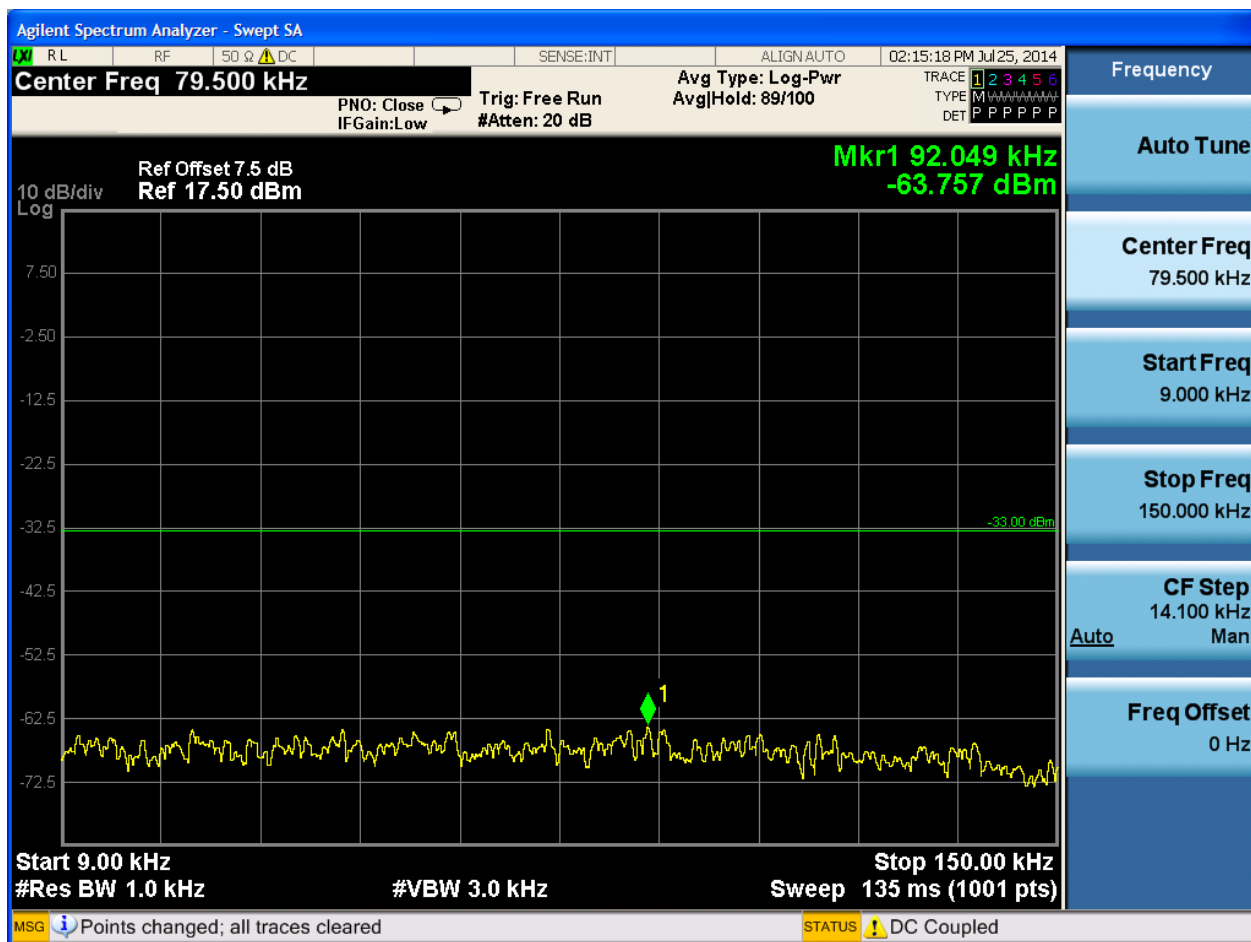


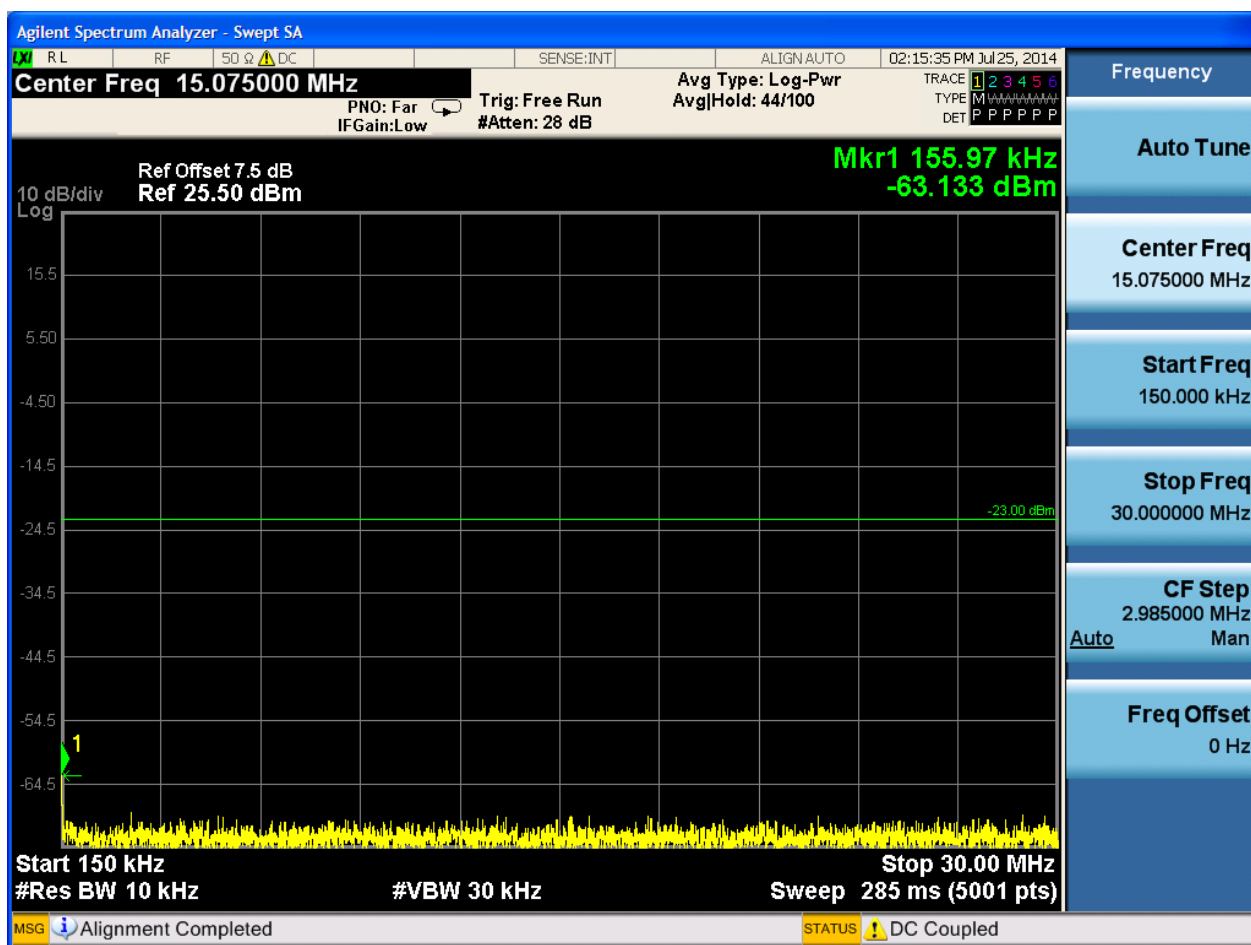


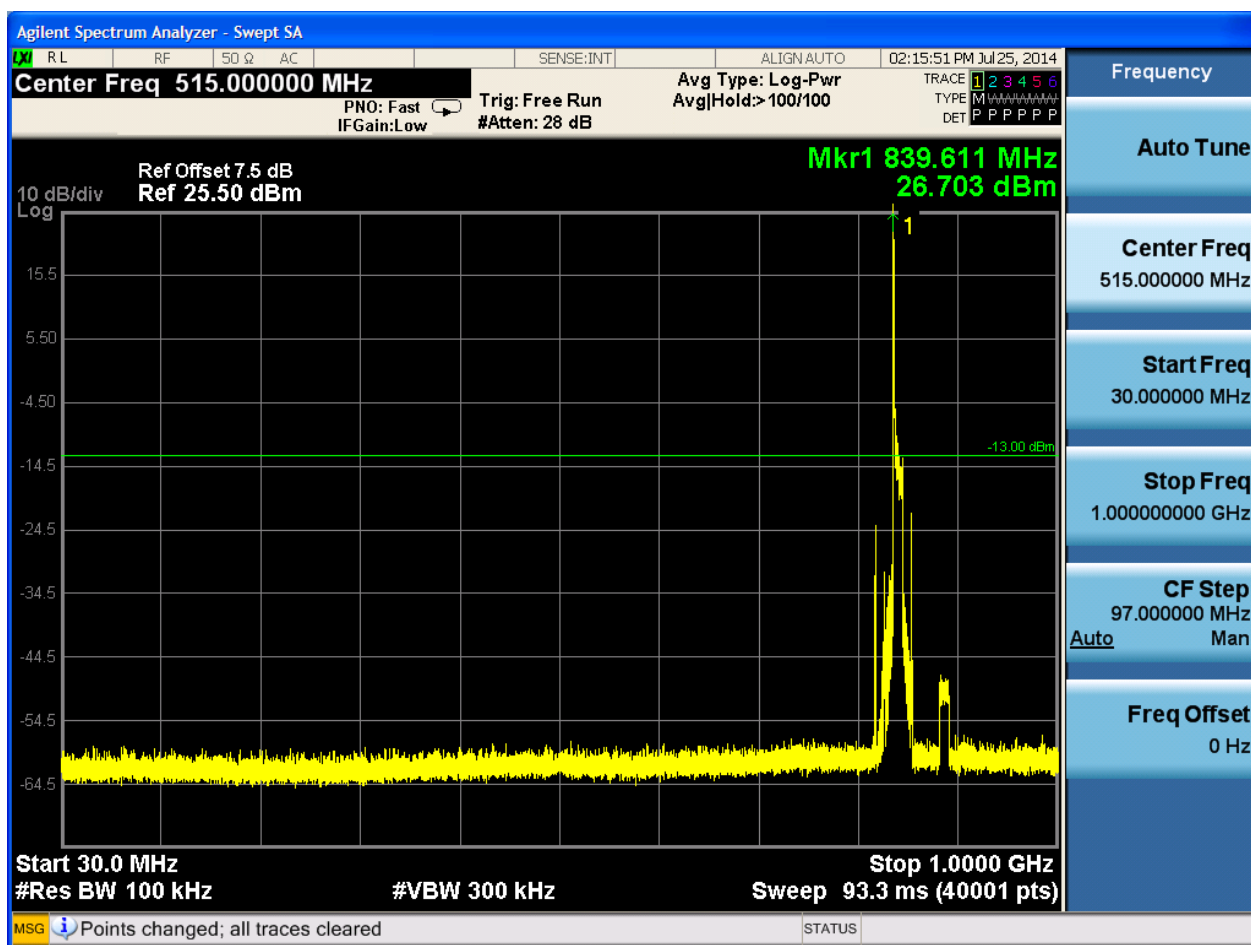


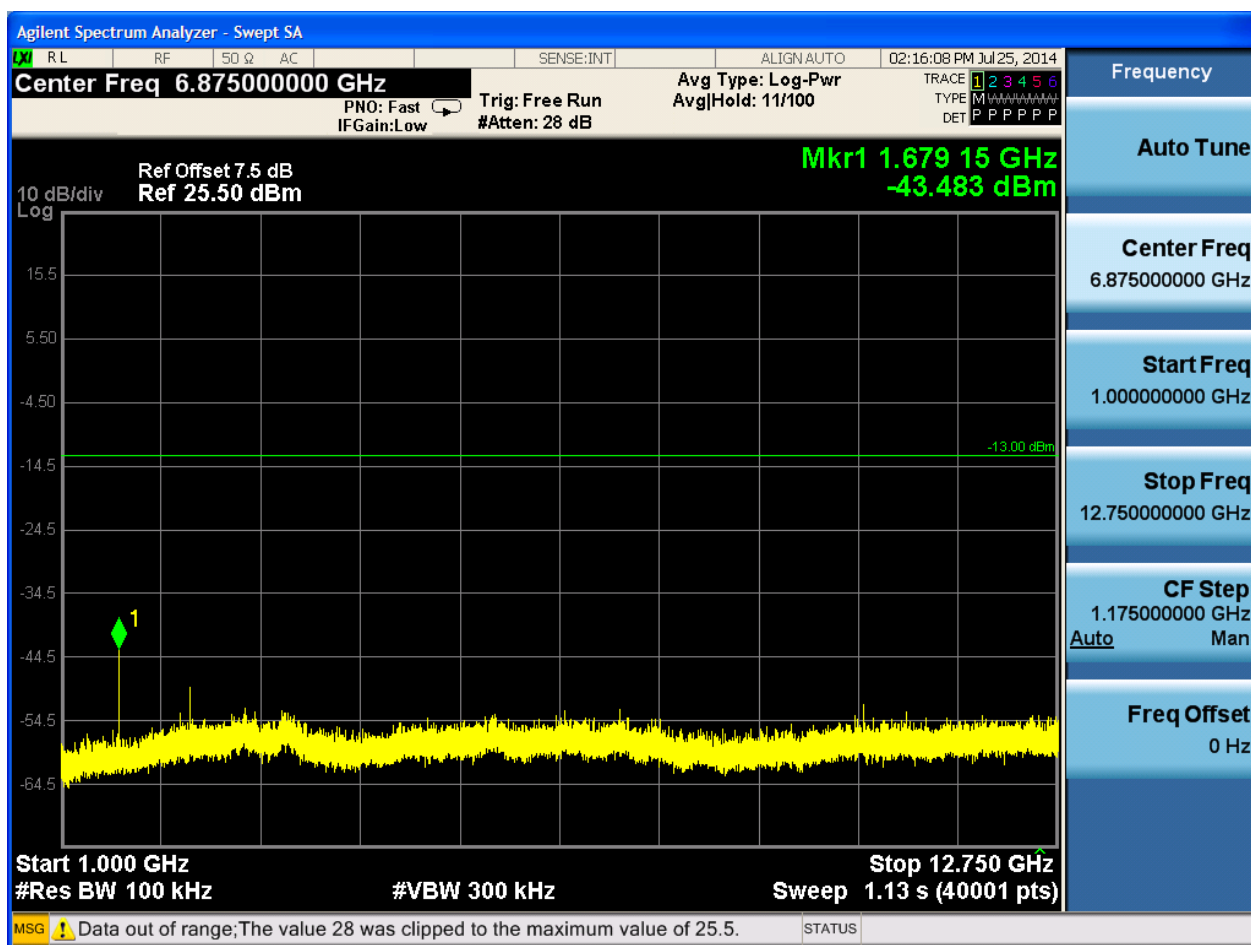
6.3.3.2.4.3 Test Channel = HCH

6.3.3.2.4.3.1 Test RB = RB1#0









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

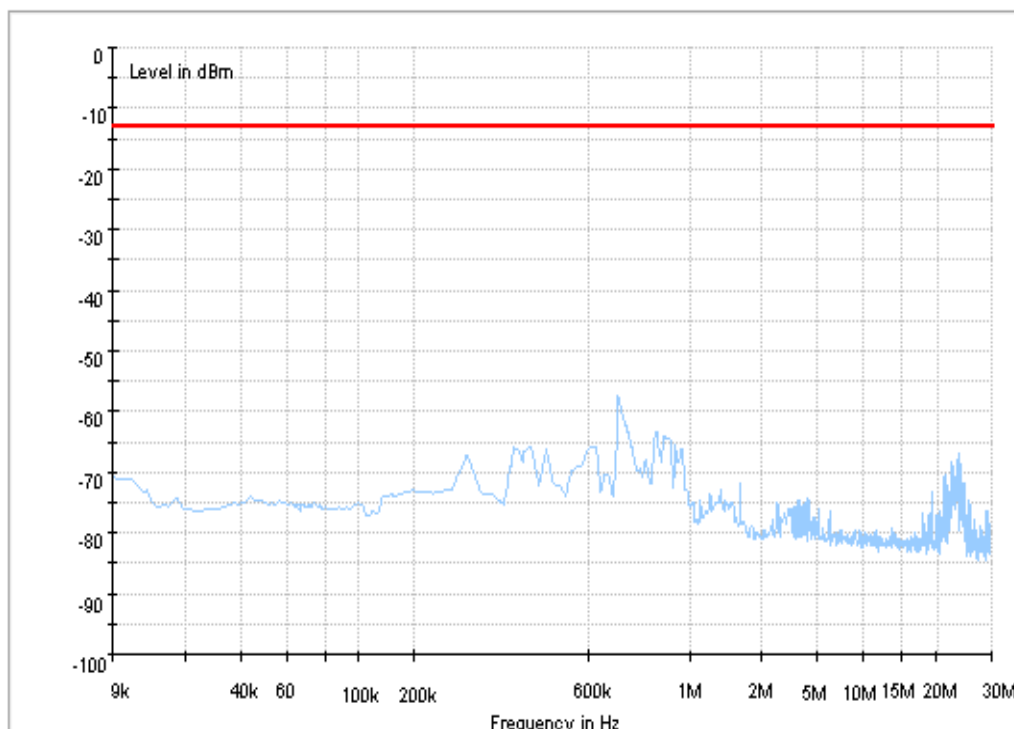
30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

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

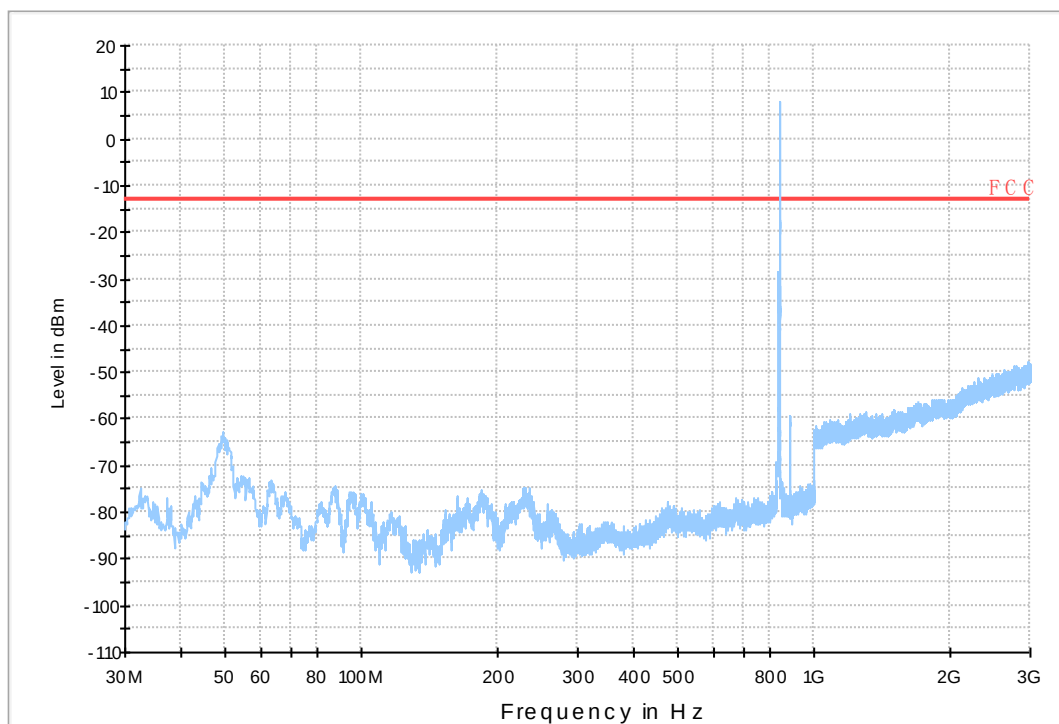
Part I - Test Plots

7.3.3 Test Band = BAND5

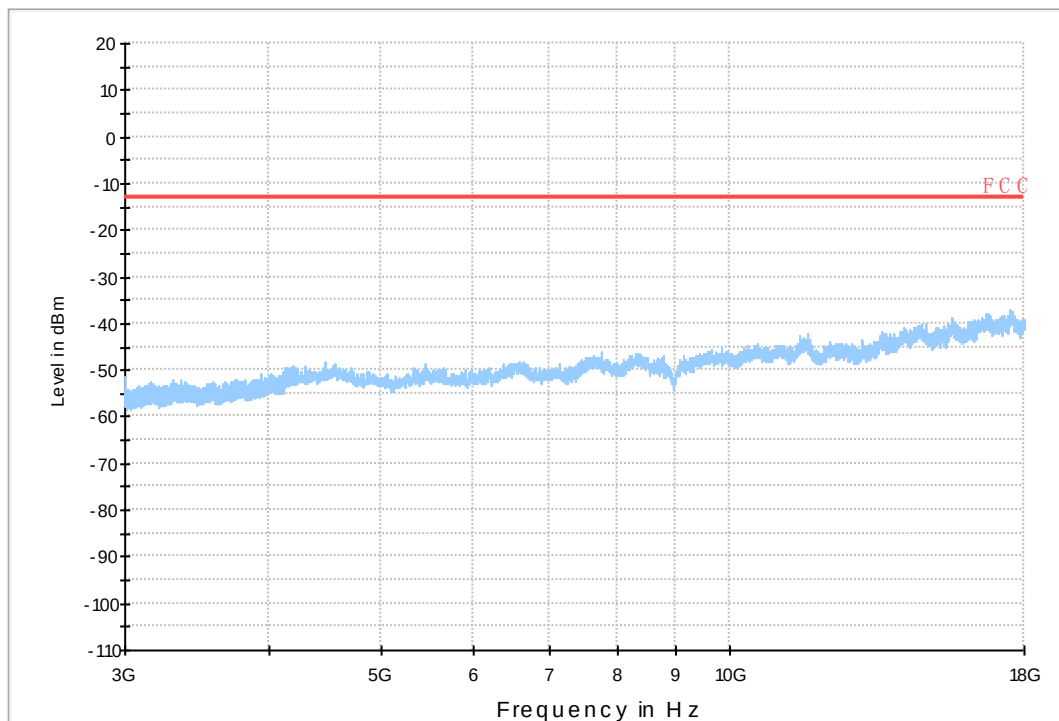
7.3.3.1 Test Bandwidth = 1.4



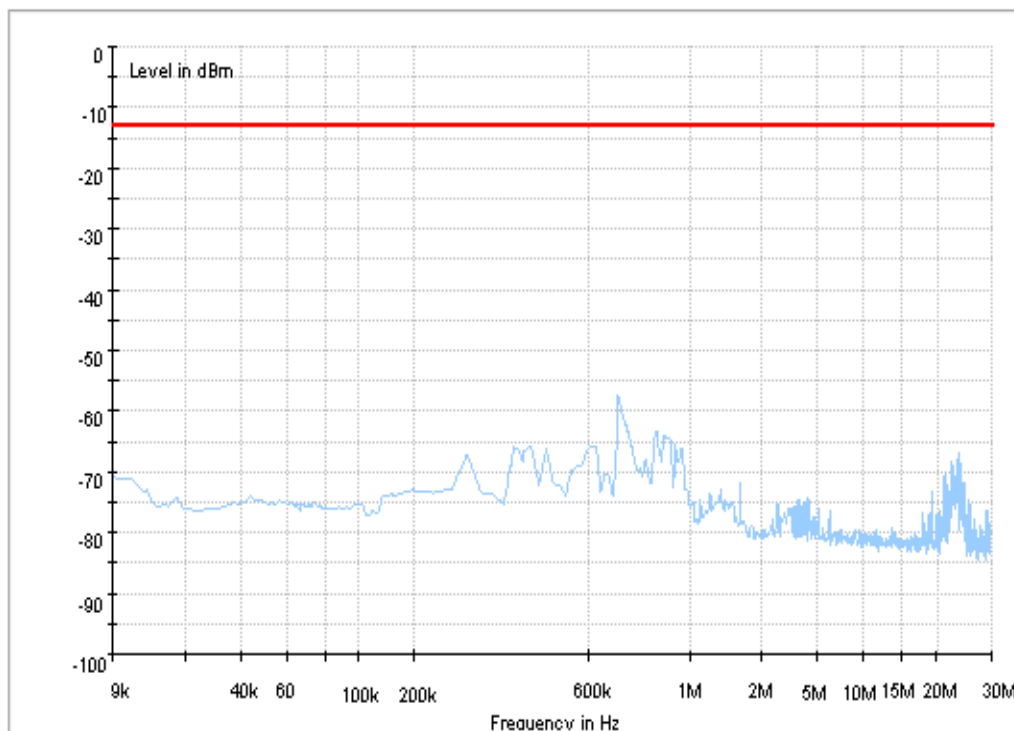
Copy of FCC PART22 LTE Band 5_L



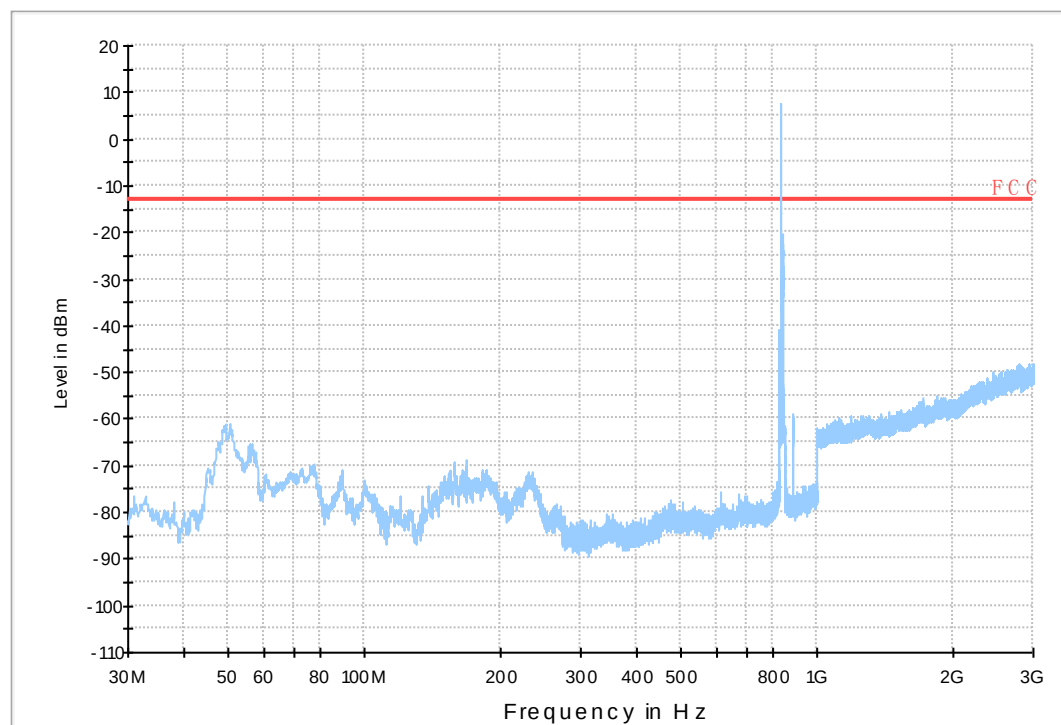
Copy of FCC PART22 LTE Band 5_H



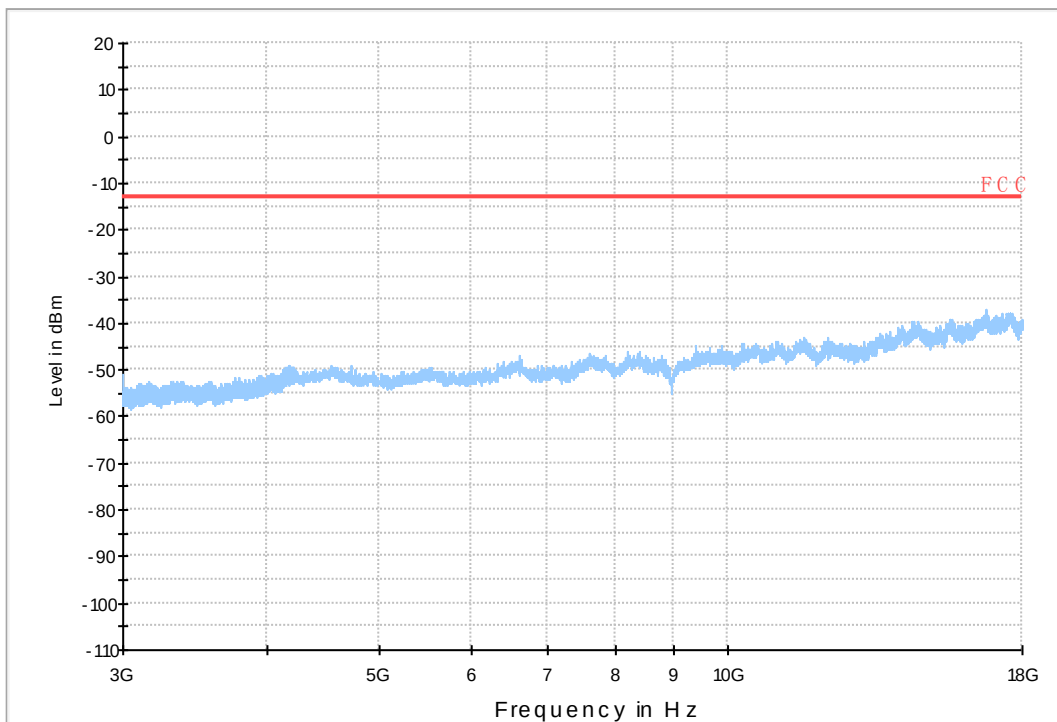
7.3.3.2 Test Bandwidth = 5



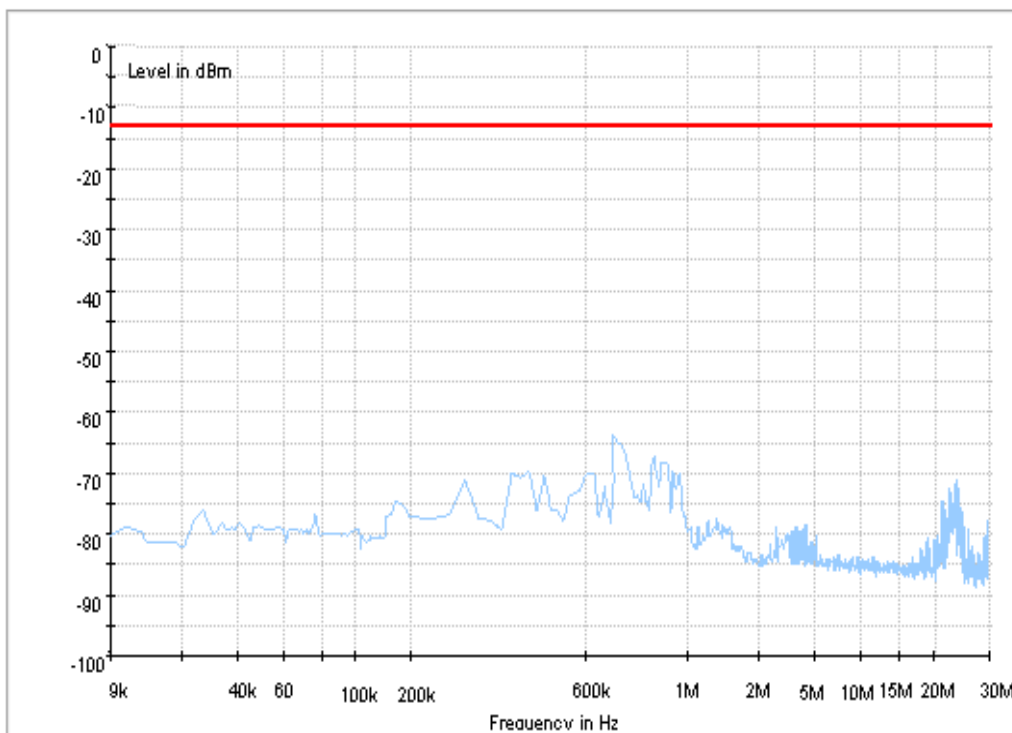
Copy of FCC PART22 LTE Band 5_L



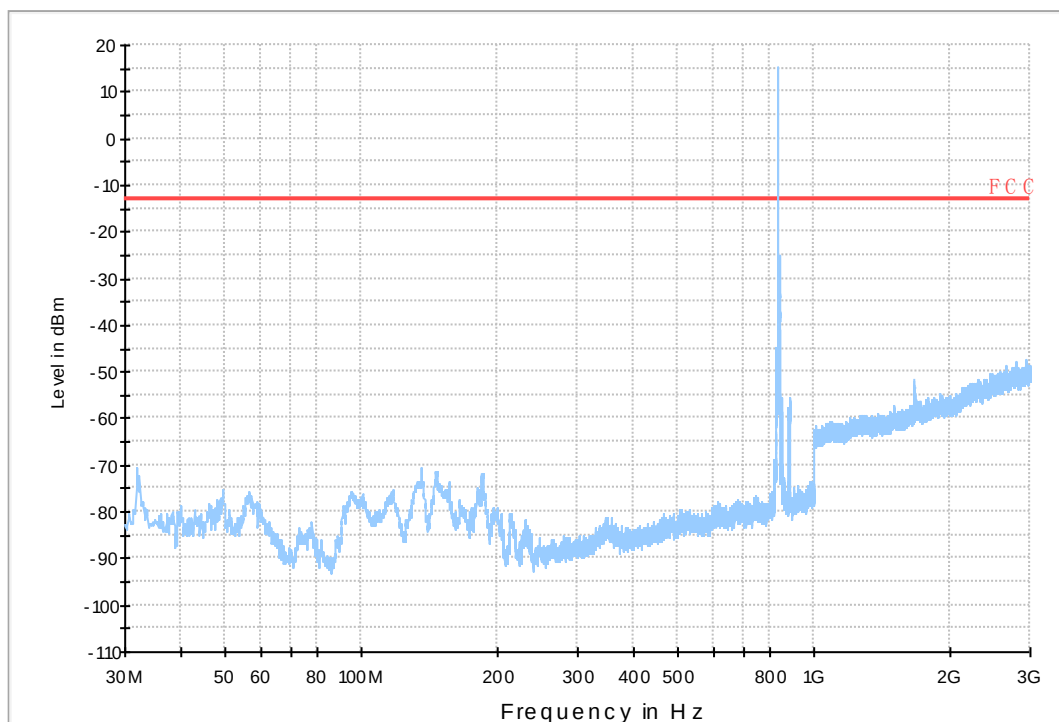
Copy of FCC PART22 LTE Band 5_H



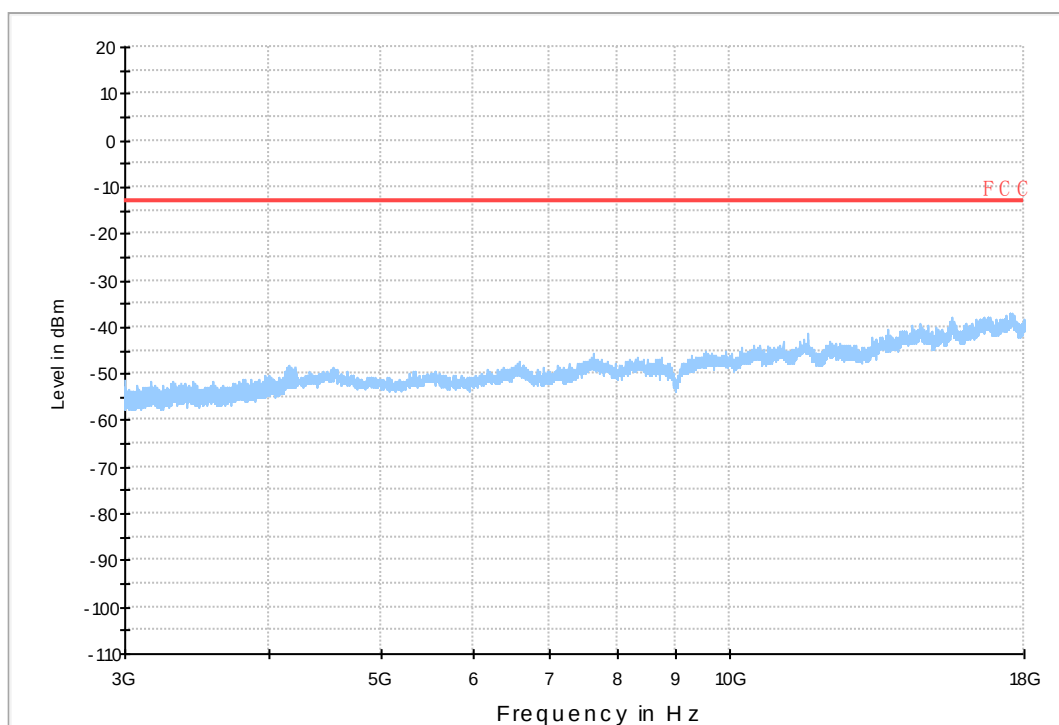
7.3.3.3 Test Bandwidth = 10



Copy of FCC PART22 LTE Band 5_L



Copy of FCC PART22 LTE Band 5_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	1.4	LCH	TN	VL	-5.85	-0.00709	PASS
					VN	12.85	0.01558	PASS
					VH	-4.38	-0.00531	PASS
			MCH	TN	VL	-18.21	-0.02177	PASS
					VN	-1.1	-0.00132	PASS
					VH	5.79	0.00692	PASS
			HCH	TN	VL	15.54	0.01832	PASS
					VN	2.9	0.00342	PASS
					VH	14.12	0.01665	PASS
		3	LCH	TN	VL	36.06	0.04368	PASS
					VN	14.26	0.01727	PASS
					VH	7.65	0.00927	PASS
			MCH	TN	VL	-4.69	-0.00561	PASS
					VN	-5.69	-0.0068	PASS
					VH	-3.29	-0.00393	PASS
			HCH	TN	VL	7	0.00826	PASS
					VN	2.68	0.00316	PASS
					VH	2.06	0.00243	PASS
		5	LCH	TN	VL	-1.63	-0.00197	PASS
					VN	-6.78	-0.0082	PASS
					VH	-1.66	-0.00201	PASS
			MCH	TN	VL	2.35	0.00281	PASS
					VN	1.39	0.00166	PASS
					VH	-0.79	-0.00094	PASS
			HCH	TN	VL	-0.24	-0.00028	PASS
					VN	-4.11	-0.00486	PASS
					VH	-1.17	-0.00138	PASS
		10	LCH	TN	VL	8.18	0.00987	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.41	0.00049	PASS
					VH	-29.07	-0.03507	PASS
					VL	8.07	0.00965	PASS
			MCH	TN	VN	-14.22	-0.017	PASS
					VH	5.69	0.0068	PASS
					VL	-0.01	-0.00001	PASS
			HCH	TN	VN	-1.7	-0.00201	PASS
					VH	-1.13	-0.00134	PASS
					VL	-0.59	-0.00072	PASS
			LTE/TM2	1.4	LCH	TN	VN	-9.73
	VH	-5.55					-0.00673	PASS
	VL	-7.84					-0.00937	PASS
	MCH	TN			VN	4.88	0.00583	PASS
					VH	-9.66	-0.01155	PASS
					VL	-10.31	-0.01215	PASS
	HCH	TN			VN	-12.95	-0.01527	PASS
					VH	1	0.00118	PASS
					VL	47.84	0.05795	PASS
	3	LCH		TN	VN	0.24	0.00029	PASS
					VH	124.18	0.15043	PASS
					VL	0.87	0.00104	PASS
		MCH		TN	VN	2.68	0.0032	PASS
					VH	1.47	0.00176	PASS
					VL	-1.33	-0.00157	PASS
		HCH		TN	VN	-0.69	-0.00081	PASS
					VH	-1.9	-0.00224	PASS
					VL	-2.39	-0.00289	PASS
	5	LCH		TN	VN	3.28	0.00397	PASS
					VH	3.18	0.00385	PASS
					VL	-2.73	-0.00326	PASS
		MCH		TN	VN	-1.72	-0.00206	PASS
					VH	2.75	0.00329	PASS
					VL	-3.08	-0.00364	PASS
		HCH		TN	VN	-0.74	-0.00087	PASS
					VH	-1.63	-0.00193	PASS
					VL	0.97	0.00117	PASS
	10	LCH		TN	VN	0.56	0.00068	PASS
					VH	-28.88	-0.03484	PASS
			VL		-1.2	-0.00143	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-2.17	-0.00259	PASS
					VH	-5.98	-0.00715	PASS
			HCH	TN	VL	-0.5	-0.00059	PASS
					VN	1.59	0.00188	PASS
					VH	5.22	0.00618	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	1.4	LCH	VN	-30	-8.48	-0.01028	PASS
					-20	3.26	0.00395	PASS
					-10	5.46	0.00662	PASS
					0	1.3	0.00158	PASS
					10	-6.85	-0.00831	PASS
					20	3.13	0.0038	PASS
					30	15.38	0.01865	PASS
					40	4.08	0.00495	PASS
					50	-10.26	-0.01244	PASS
			MCH	VN	-30	10.74	0.01284	PASS
					-20	-3.69	-0.00441	PASS
					-10	21.53	0.02574	PASS
					0	-16.06	-0.0192	PASS
					10	-20.7	-0.02475	PASS
					20	6.71	0.00802	PASS
					30	-6.18	-0.00739	PASS
					40	8.05	0.00962	PASS
					50	10.09	0.01206	PASS
			HCH	VN	-30	23.16	0.0273	PASS
					-20	0.13	0.00015	PASS
					-10	1.63	0.00192	PASS
					0	-1.54	-0.00182	PASS
					10	6.65	0.00784	PASS
					20	-2.89	-0.00341	PASS
					30	2.06	0.00243	PASS
					40	4.52	0.00533	PASS
					50	-16.87	-0.01989	PASS
		3	LCH	VN	-30	-4.79	-0.0058	PASS
					-20	0.43	0.00052	PASS
					-10	-10.56	-0.01279	PASS
					0	-3.82	-0.00463	PASS
					10	6.34	0.00768	PASS
					20	-4.51	-0.00546	PASS
					30	-6.02	-0.00729	PASS
					40	6.25	0.00757	PASS
					50	-7.24	-0.00877	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	-1.63	-0.00195	PASS
					-20	21.9	0.02618	PASS
					-10	-13.36	-0.01597	PASS
					0	-14.88	-0.01779	PASS
					10	3.46	0.00414	PASS
					20	-17.87	-0.02136	PASS
					30	-12.76	-0.01525	PASS
					40	8.75	0.01046	PASS
					50	-7.55	-0.00903	PASS
			HCH	VN	-30	2.57	0.00303	PASS
					-20	-6.49	-0.00766	PASS
					-10	0.82	0.00097	PASS
					0	-4.48	-0.00529	PASS
					10	-0.66	-0.00078	PASS
					20	4.99	0.00589	PASS
					30	6.84	0.00807	PASS
					40	-5.08	-0.00599	PASS
					50	8.65	0.01021	PASS
		5	LCH	VN	-30	4.23	0.00512	PASS
					-20	18	0.02178	PASS
					-10	18.35	0.0222	PASS
					0	5.22	0.00632	PASS
					10	8.14	0.00985	PASS
					20	-3.79	-0.00459	PASS
					30	5.61	0.00679	PASS
					40	13.78	0.01667	PASS
					50	7.8	0.00944	PASS
			MCH	VN	-30	4.19	0.00501	PASS
					-20	22.34	0.02671	PASS
					-10	-0.82	-0.00098	PASS
					0	13.99	0.01672	PASS
					10	-11.2	-0.01339	PASS
					20	13.33	0.01594	PASS
					30	1.59	0.0019	PASS
					40	7.01	0.00838	PASS
					50	15.48	0.01851	PASS
			HCH	VN	-30	-7.27	-0.00859	PASS
					-20	-2.32	-0.00274	PASS
					-10	2.65	0.00313	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-0.7	-0.00083	PASS
					10	-1.96	-0.00232	PASS
					20	-1.12	-0.00132	PASS
					30	8.93	0.01055	PASS
					40	4.05	0.00478	PASS
					50	-13.73	-0.01622	PASS
		10	LCH	VN	-30	5.71	0.00689	PASS
					-20	-9.97	-0.01203	PASS
					-10	-3.71	-0.00448	PASS
					0	2.33	0.00281	PASS
					10	-5.82	-0.00702	PASS
					20	3.02	0.00364	PASS
					30	9.6	0.01158	PASS
					40	3.33	0.00402	PASS
					50	5.18	0.00625	PASS
			MCH	VN	-30	5.69	0.0068	PASS
					-20	15.75	0.01883	PASS
					-10	5.05	0.00604	PASS
					0	3.65	0.00436	PASS
					10	3.76	0.00449	PASS
					20	-4.79	-0.00573	PASS
					30	-3.99	-0.00477	PASS
					40	-12.79	-0.01529	PASS
					50	-6.28	-0.00751	PASS
			HCH	VN	-30	20.86	0.02472	PASS
					-20	-1.02	-0.00121	PASS
					-10	-2.35	-0.00278	PASS
					0	-4.86	-0.00576	PASS
					10	2.06	0.00244	PASS
					20	-3.58	-0.00424	PASS
					30	5.22	0.00618	PASS
					40	1.09	0.00129	PASS
					50	5.06	0.006	PASS
	LTE/TM2	1.4	LCH	VN	-30	-13.68	-0.01659	PASS
					-20	-11.26	-0.01365	PASS
					-10	-3.36	-0.00407	PASS
					0	-3.86	-0.00468	PASS
					10	-12.26	-0.01487	PASS
					20	-8.37	-0.01015	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	13.38	0.01622	PASS
					40	11.62	0.01409	PASS
					50	1.49	0.00181	PASS
			MCH	VN	-30	-2.72	-0.00325	PASS
					-20	-4.69	-0.00561	PASS
					-10	-7.22	-0.00863	PASS
					0	3.12	0.00373	PASS
					10	-13.2	-0.01578	PASS
					20	-2.22	-0.00265	PASS
					30	0.14	0.00017	PASS
					40	8.65	0.01034	PASS
					50	-10.21	-0.01221	PASS
			HCH	VN	-30	3.06	0.00361	PASS
					-20	5.01	0.00591	PASS
					-10	-3.71	-0.00437	PASS
					0	12.32	0.01452	PASS
					10	0.27	0.00032	PASS
					20	-1.23	-0.00145	PASS
					30	9.13	0.01076	PASS
					40	13.06	0.0154	PASS
					50	-13.72	-0.01617	PASS
		3	LCH	VN	-30	-2.36	-0.00286	PASS
					-20	-4.05	-0.00491	PASS
					-10	1.62	0.00196	PASS
					0	-2.27	-0.00275	PASS
					10	2.16	0.00262	PASS
					20	5.02	0.00608	PASS
					30	4.43	0.00537	PASS
					40	5.19	0.00629	PASS
					50	13.66	0.01655	PASS
			MCH	VN	-30	-4.59	-0.00549	PASS
					-20	3.76	0.00449	PASS
					-10	7.58	0.00906	PASS
					0	0.01	0.00001	PASS
					10	0.37	0.00044	PASS
					20	10.24	0.01224	PASS
					30	2.16	0.00258	PASS
					40	-6.38	-0.00763	PASS
					50	1.67	0.002	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	10.51	0.0124	PASS
					-20	-3.75	-0.00442	PASS
					-10	-10	-0.0118	PASS
					0	7.85	0.00926	PASS
					10	0.41	0.00048	PASS
					20	4.12	0.00486	PASS
					30	11.04	0.01303	PASS
					40	-7.41	-0.00874	PASS
					50	-8.23	-0.00971	PASS
		5	LCH	VN	-30	21.93	0.02653	PASS
					-20	-1.83	-0.00221	PASS
					-10	6.34	0.00767	PASS
					0	18.3	0.02214	PASS
					10	10.17	0.0123	PASS
					20	2.02	0.00244	PASS
					30	10.84	0.01312	PASS
					40	20.41	0.02469	PASS
					50	7.14	0.00864	PASS
			MCH	VN	-30	-0.34	-0.00041	PASS
					-20	13.07	0.01562	PASS
					-10	1.83	0.00219	PASS
					0	3.06	0.00366	PASS
					10	10.16	0.01215	PASS
					20	13.03	0.01558	PASS
					30	10.87	0.01299	PASS
					40	12.49	0.01493	PASS
					50	18.21	0.02177	PASS
			HCH	VN	-30	23.92	0.02826	PASS
					-20	-2.49	-0.00294	PASS
					-10	-14.28	-0.01687	PASS
					0	-2.43	-0.00287	PASS
					10	-3.13	-0.0037	PASS
					20	-0.74	-0.00087	PASS
					30	-1	-0.00118	PASS
					40	-0.09	-0.00011	PASS
					50	-14.85	-0.01754	PASS
		10	LCH	VN	-30	-8.23	-0.00993	PASS
					-20	-4.52	-0.00545	PASS
					-10	-5.54	-0.00668	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-5.11	-0.00616	PASS
					10	-4.18	-0.00504	PASS
					20	-9.94	-0.01199	PASS
					30	-4.73	-0.00571	PASS
					40	3.12	0.00376	PASS
					50	-13.09	-0.01579	PASS
			MCH	VN	-30	-0.33	-0.00039	PASS
					-20	15.12	0.01808	PASS
					-10	-2.73	-0.00326	PASS
					0	1.57	0.00188	PASS
					10	1.82	0.00218	PASS
					20	-3.42	-0.00409	PASS
					30	0.01	0.00001	PASS
					40	5.71	0.00683	PASS
					50	7.2	0.00861	PASS
			HCH	VN	-30	-4.08	-0.00483	PASS
					-20	0.34	0.0004	PASS
					-10	0.99	0.00117	PASS
					0	-1.86	-0.0022	PASS
					10	4.01	0.00475	PASS
					20	6.32	0.00749	PASS
					30	3.15	0.00373	PASS
					40	6.19	0.00733	PASS
					50	-0.99	-0.00117	PASS

END