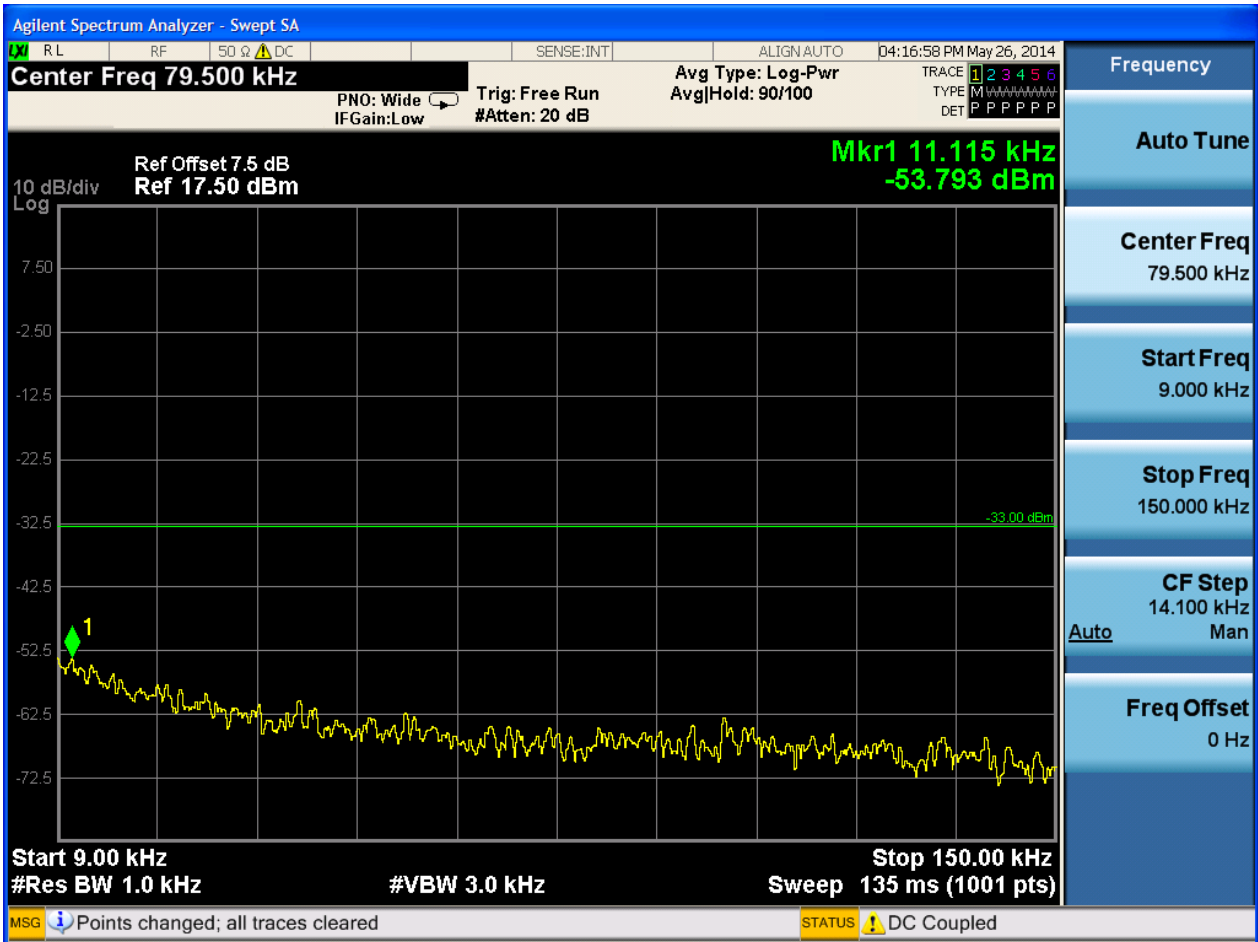


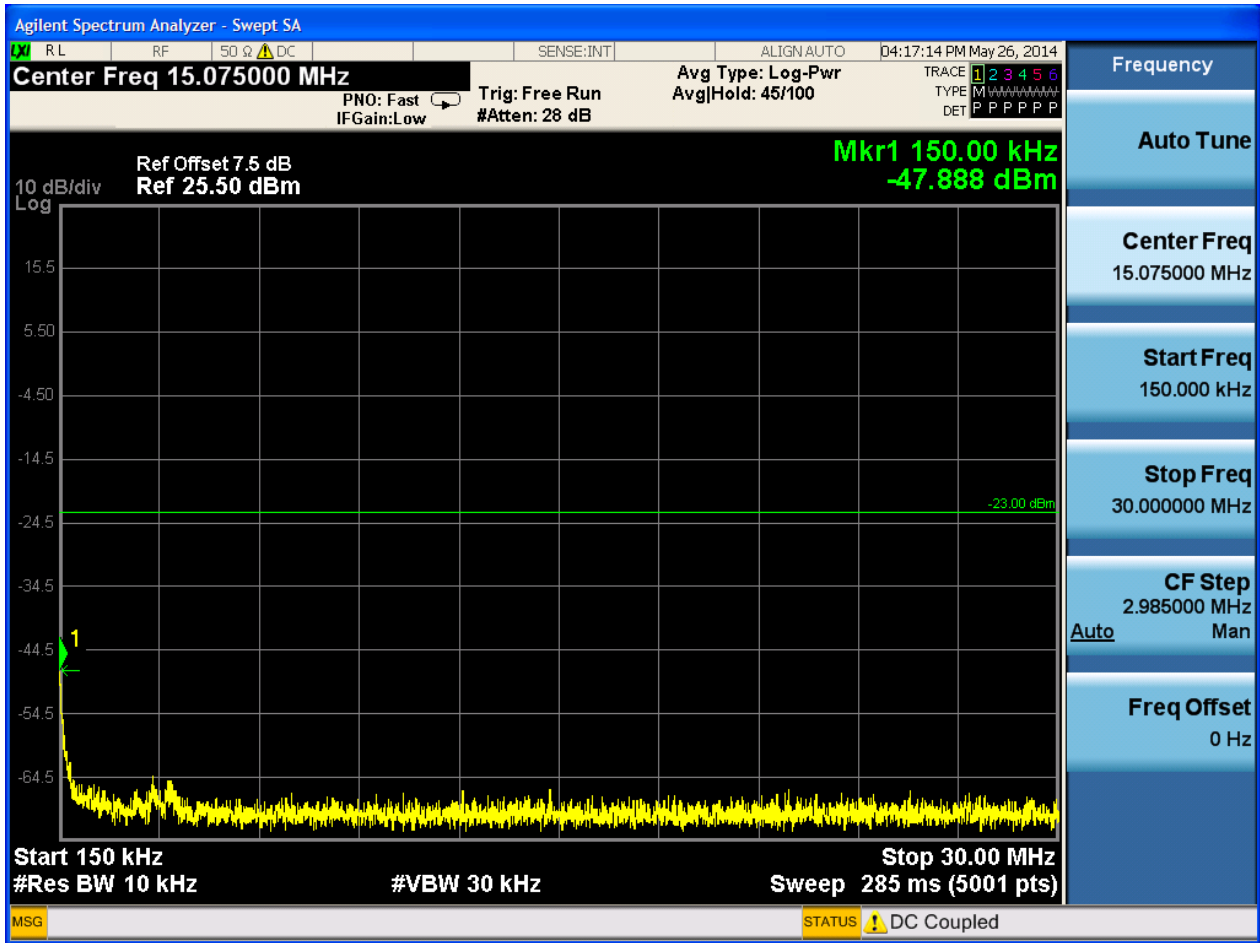


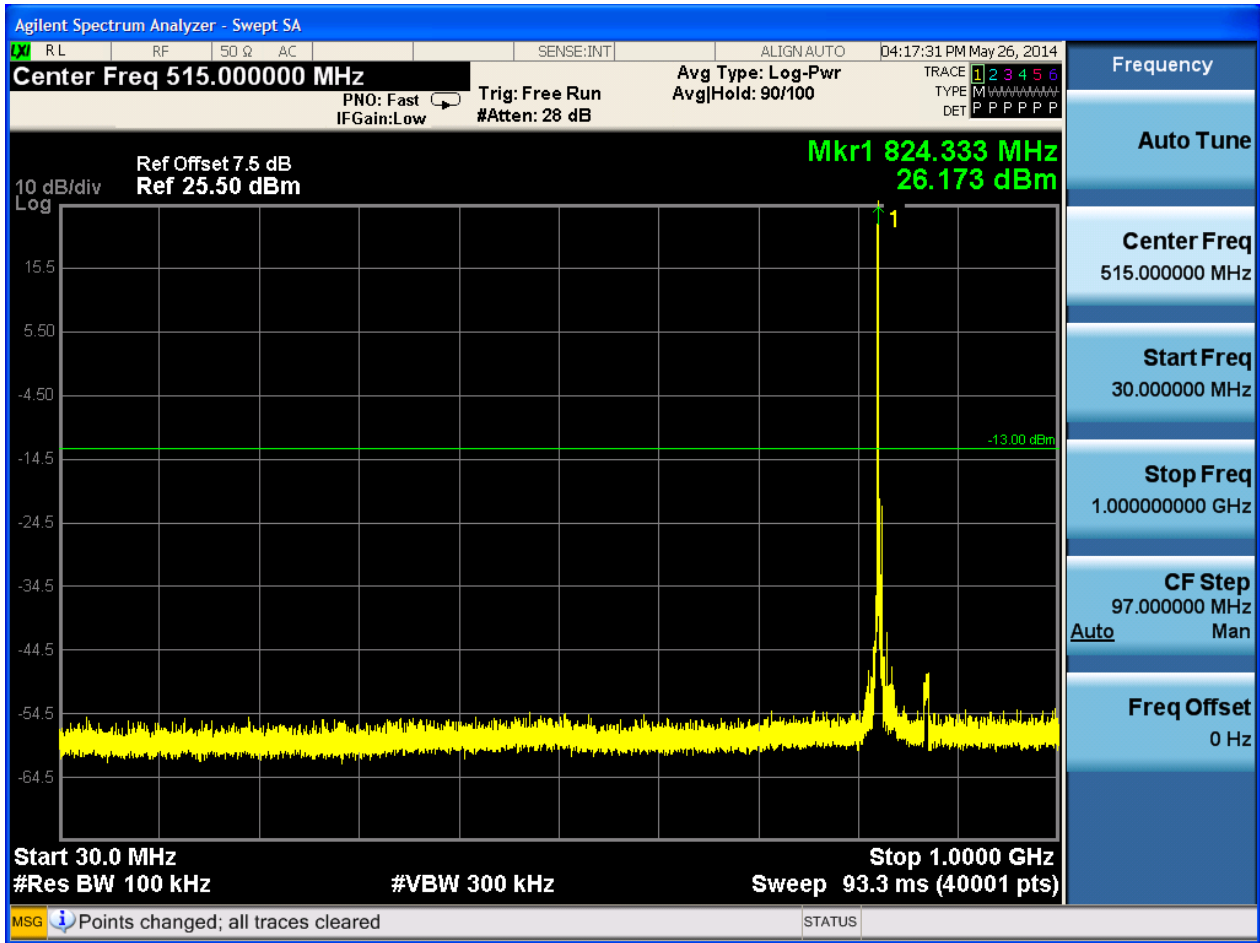
5.1.1.2.3 Test Bandwidth = 5

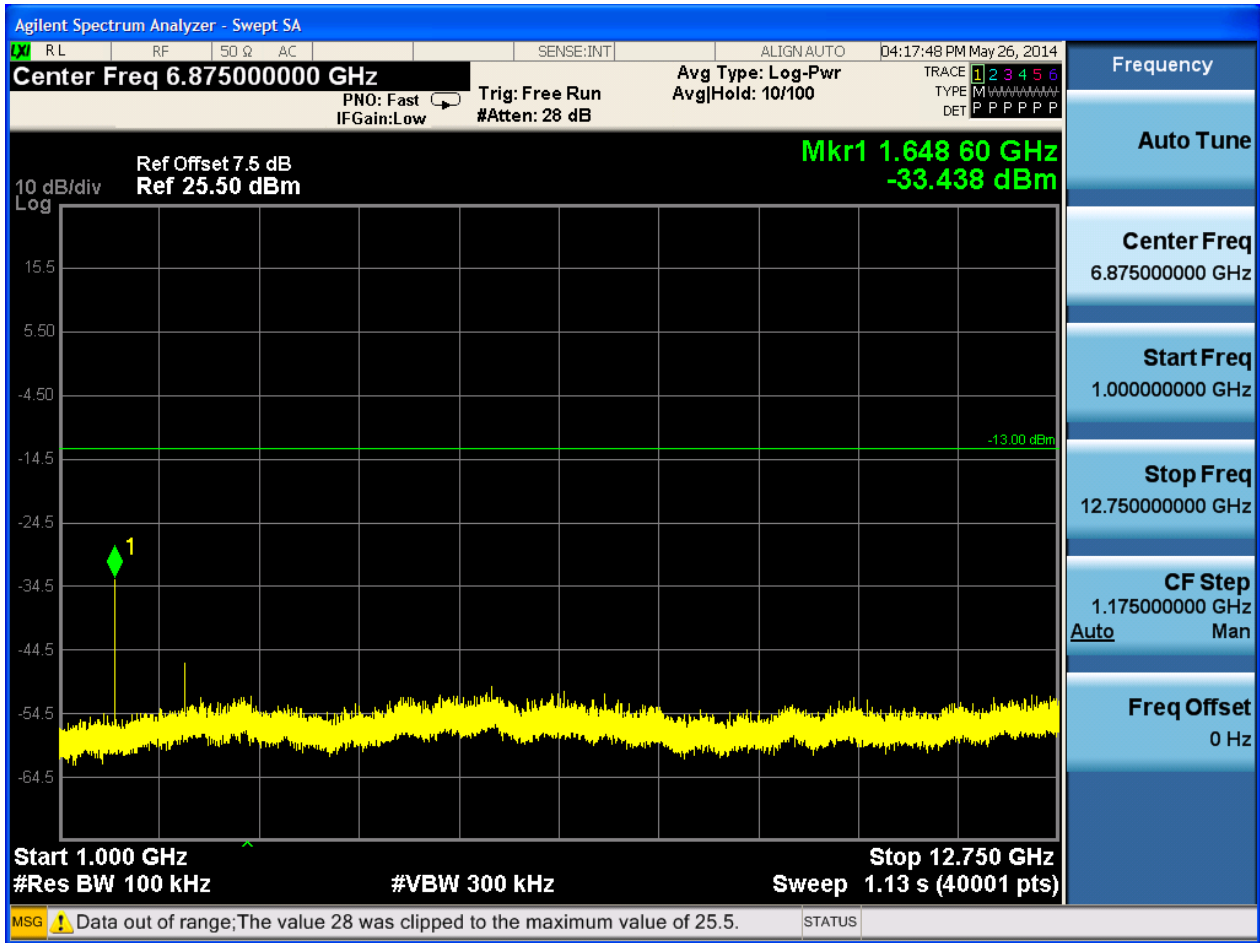
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





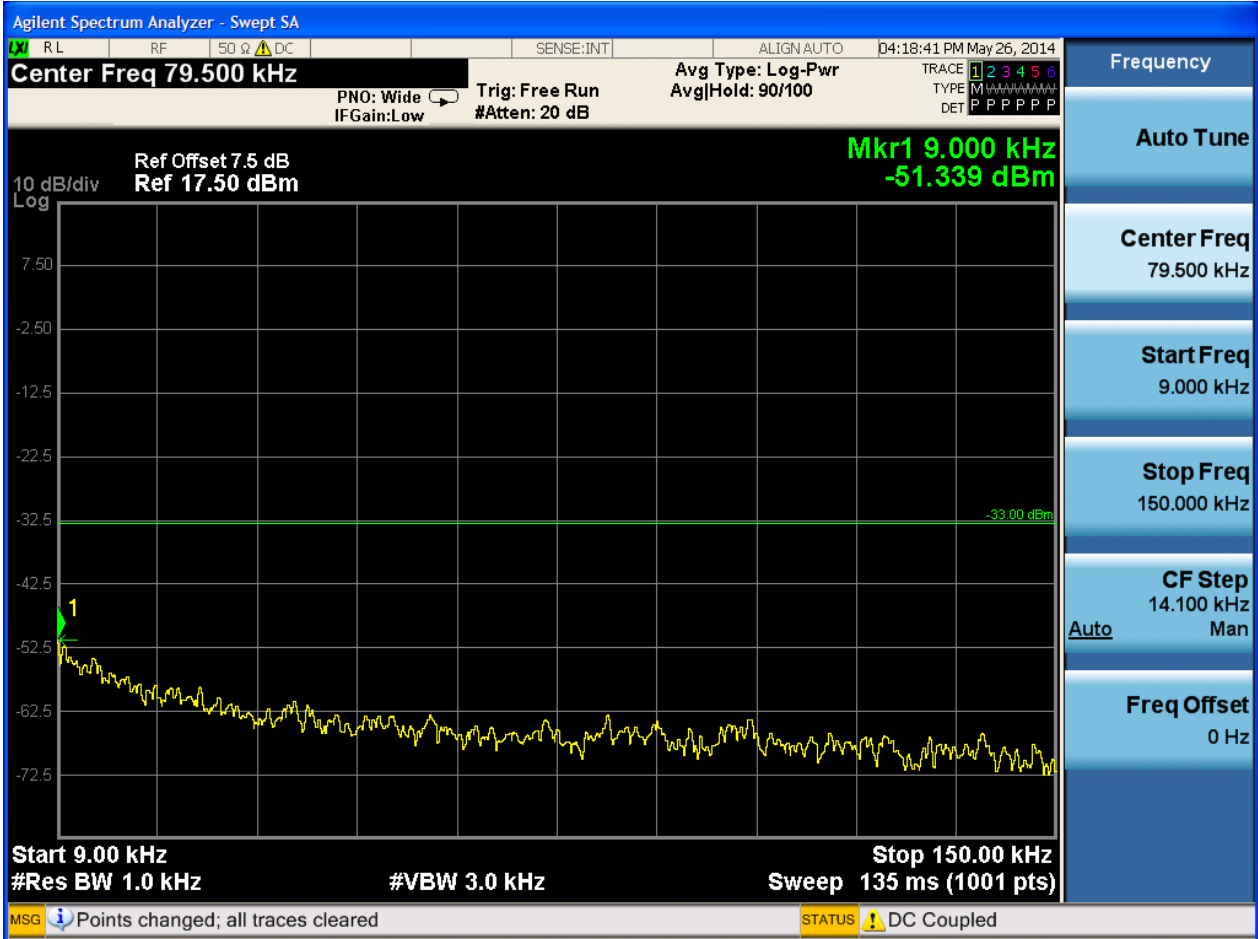


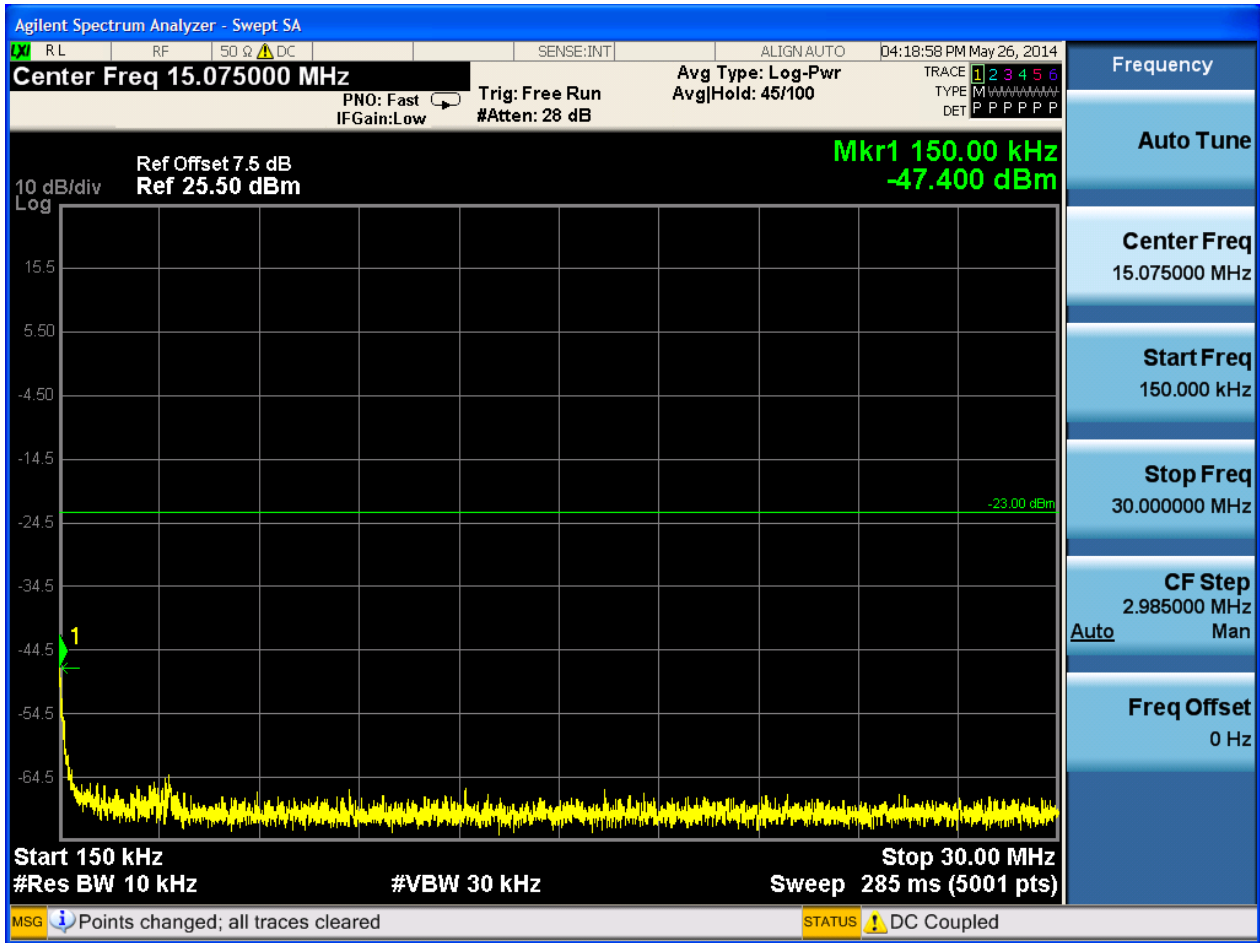


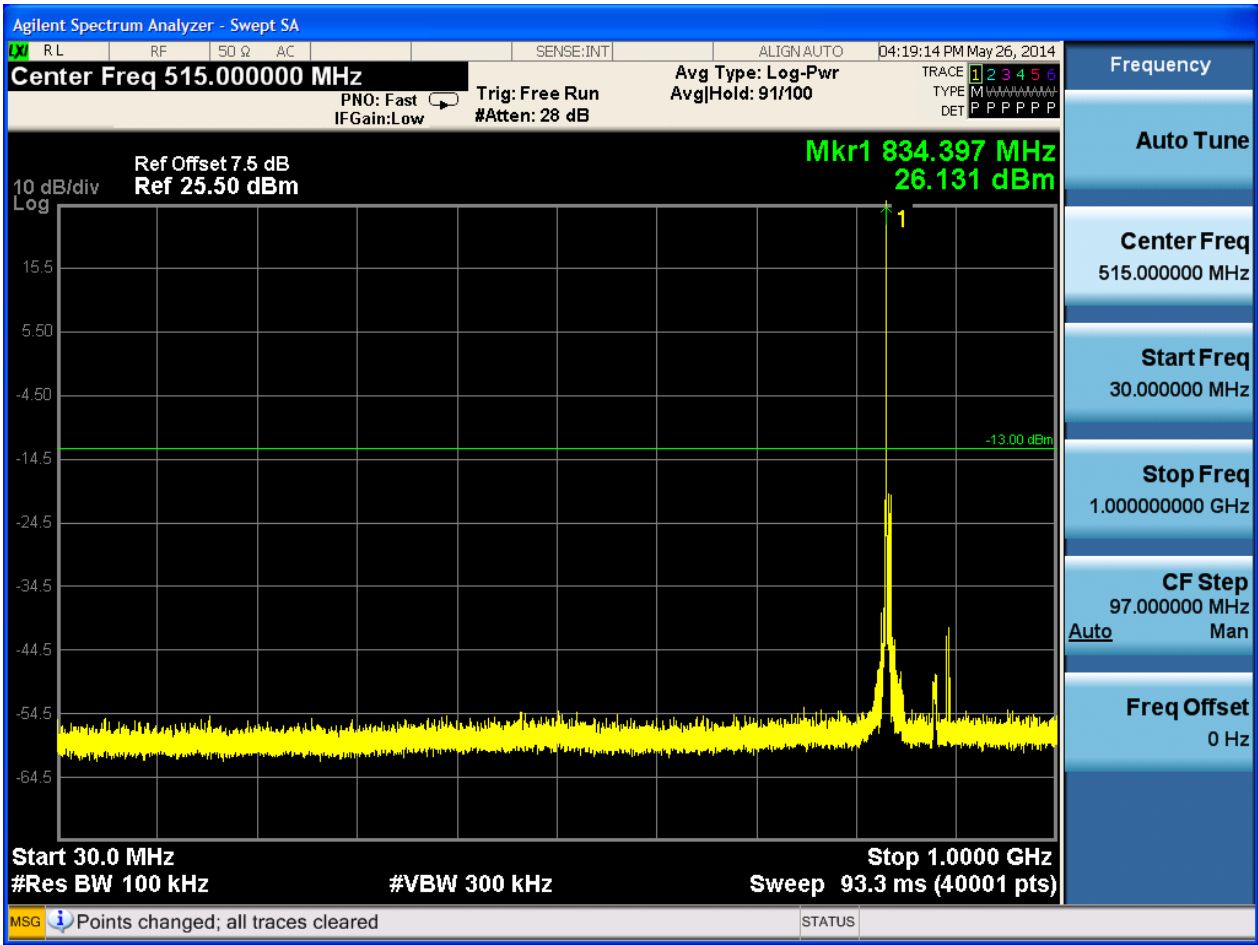


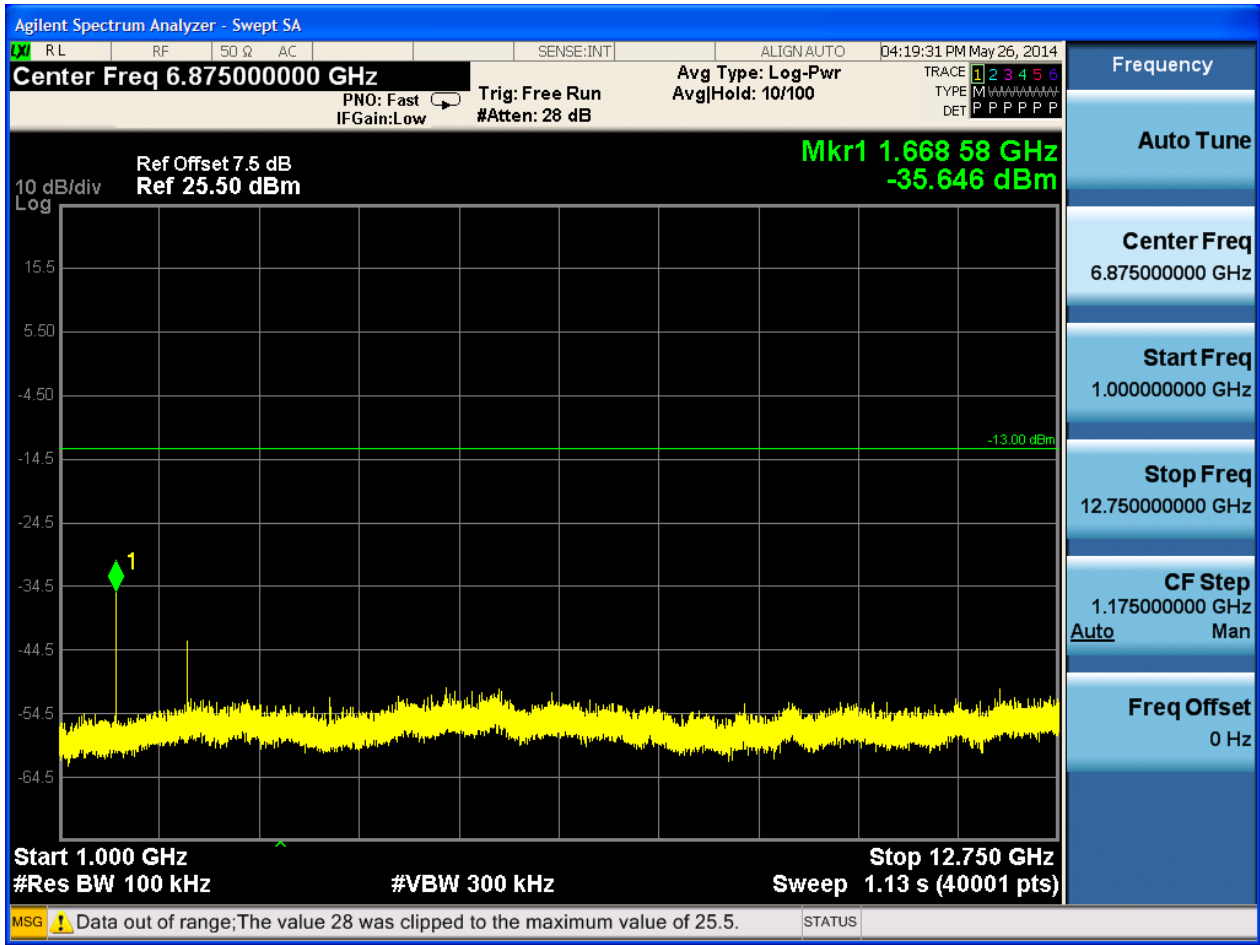
5.1.1.2.3.2 Test Channel = MCH

5.1.1.2.3.2.1 Test RB = RB1#0





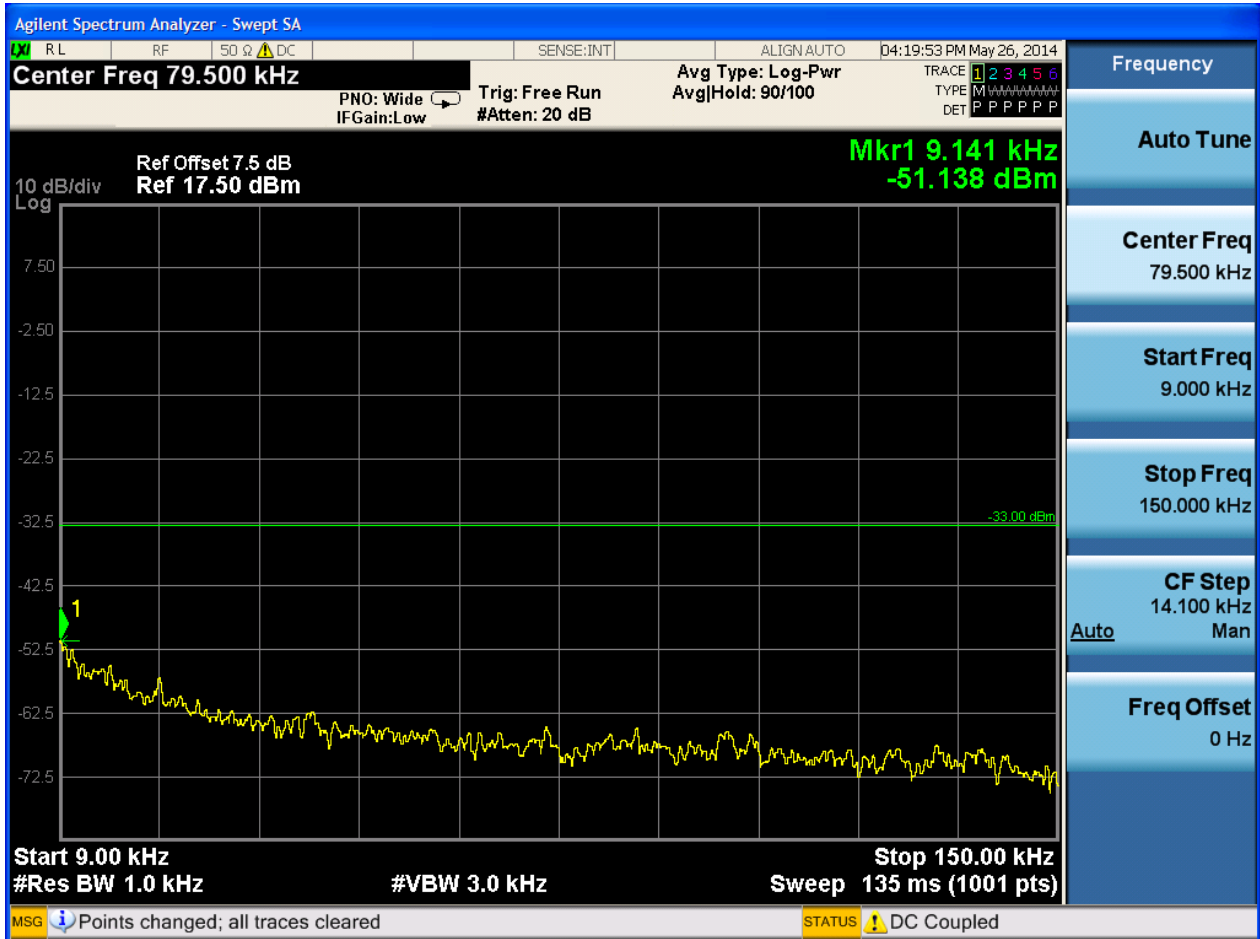




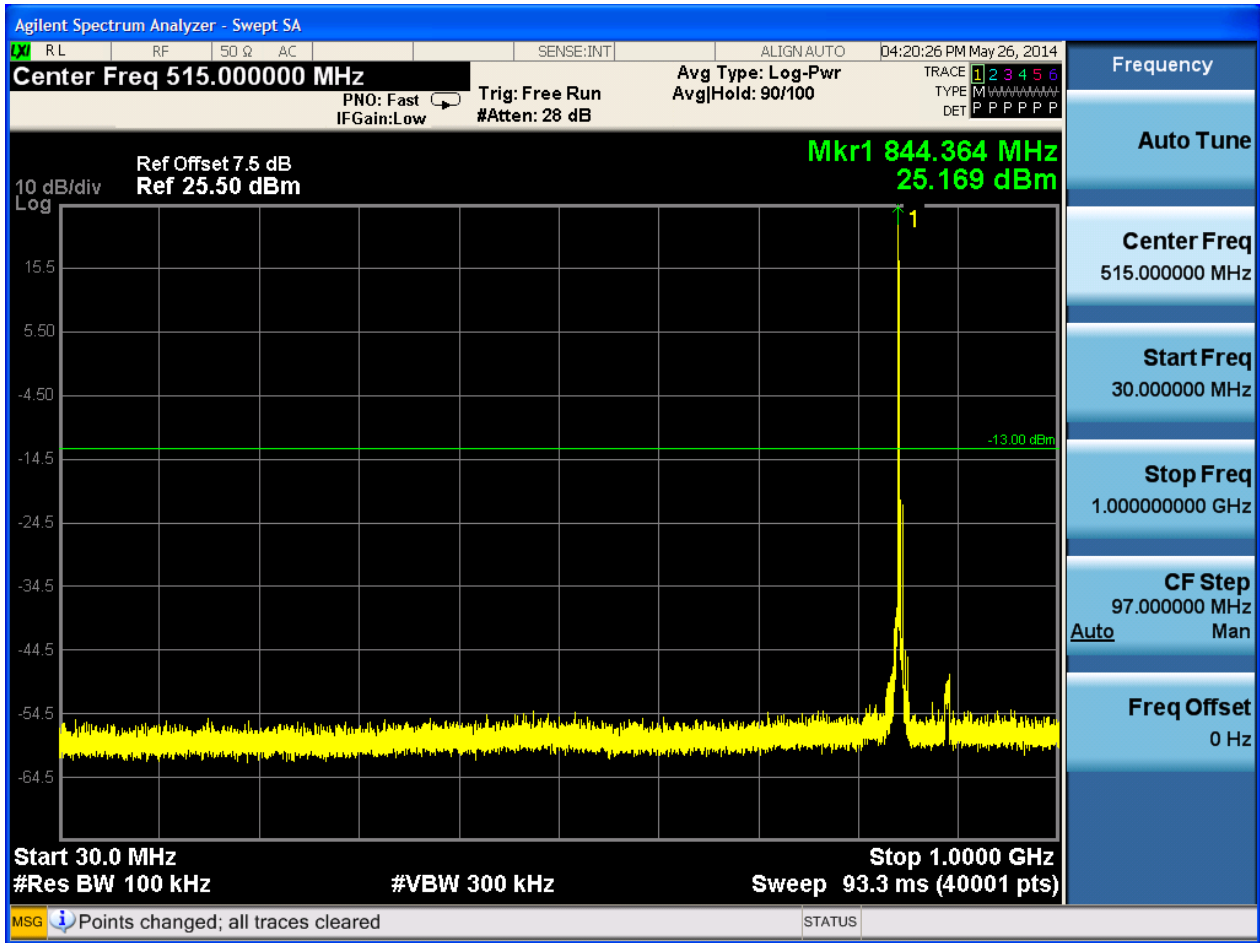


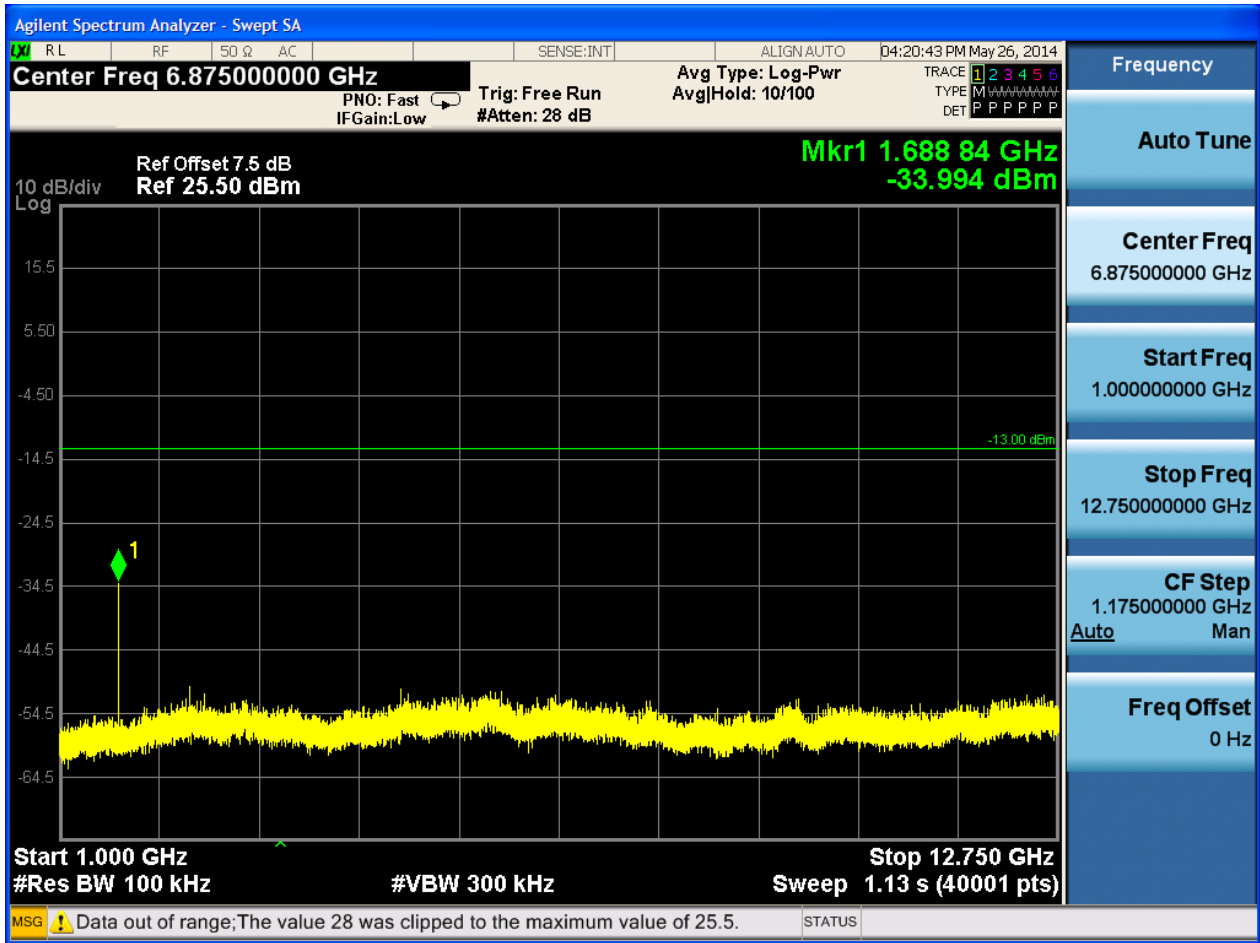
5.1.1.2.3.3 Test Channel = HCH

5.1.1.2.3.3.1 Test RB = RB1#0







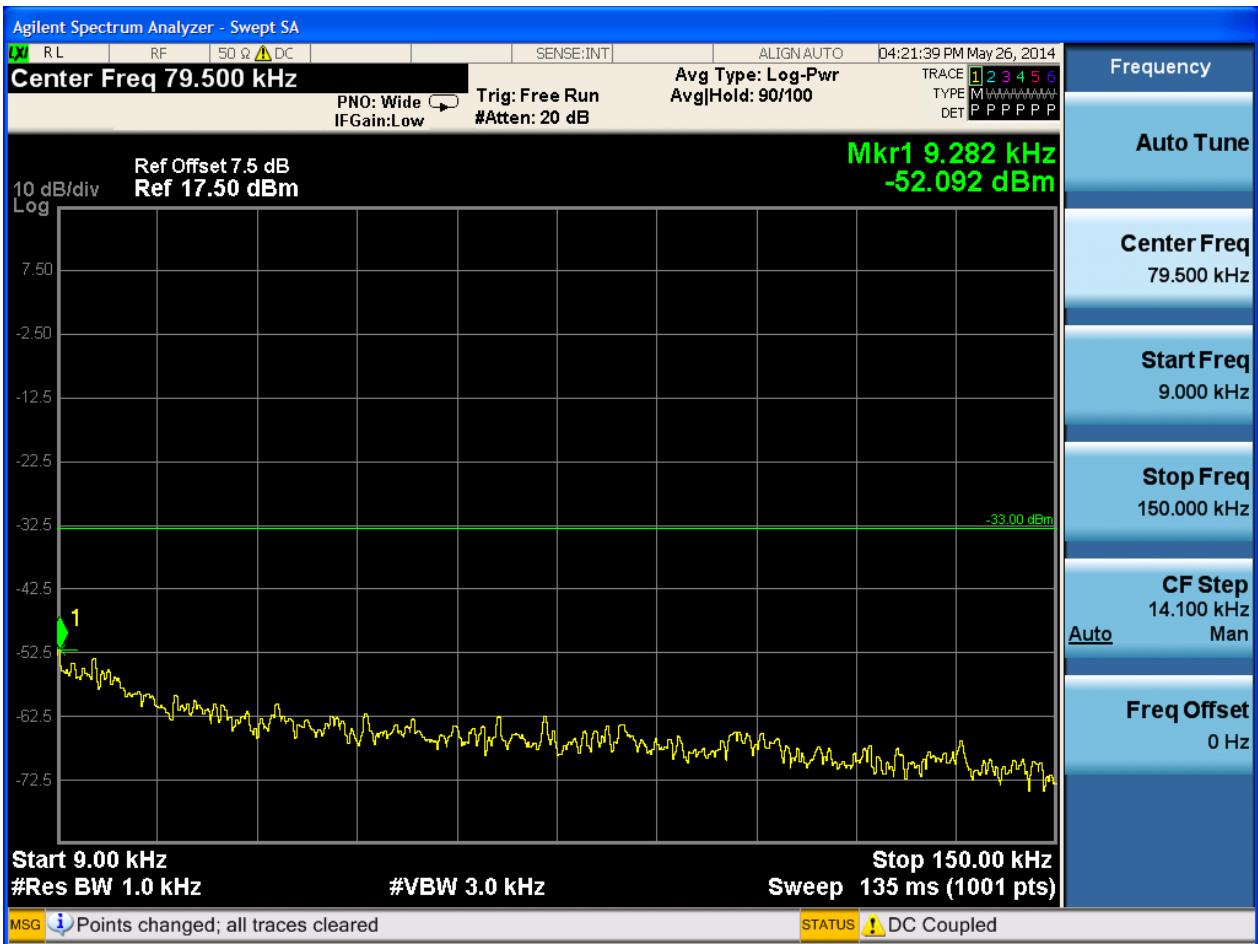


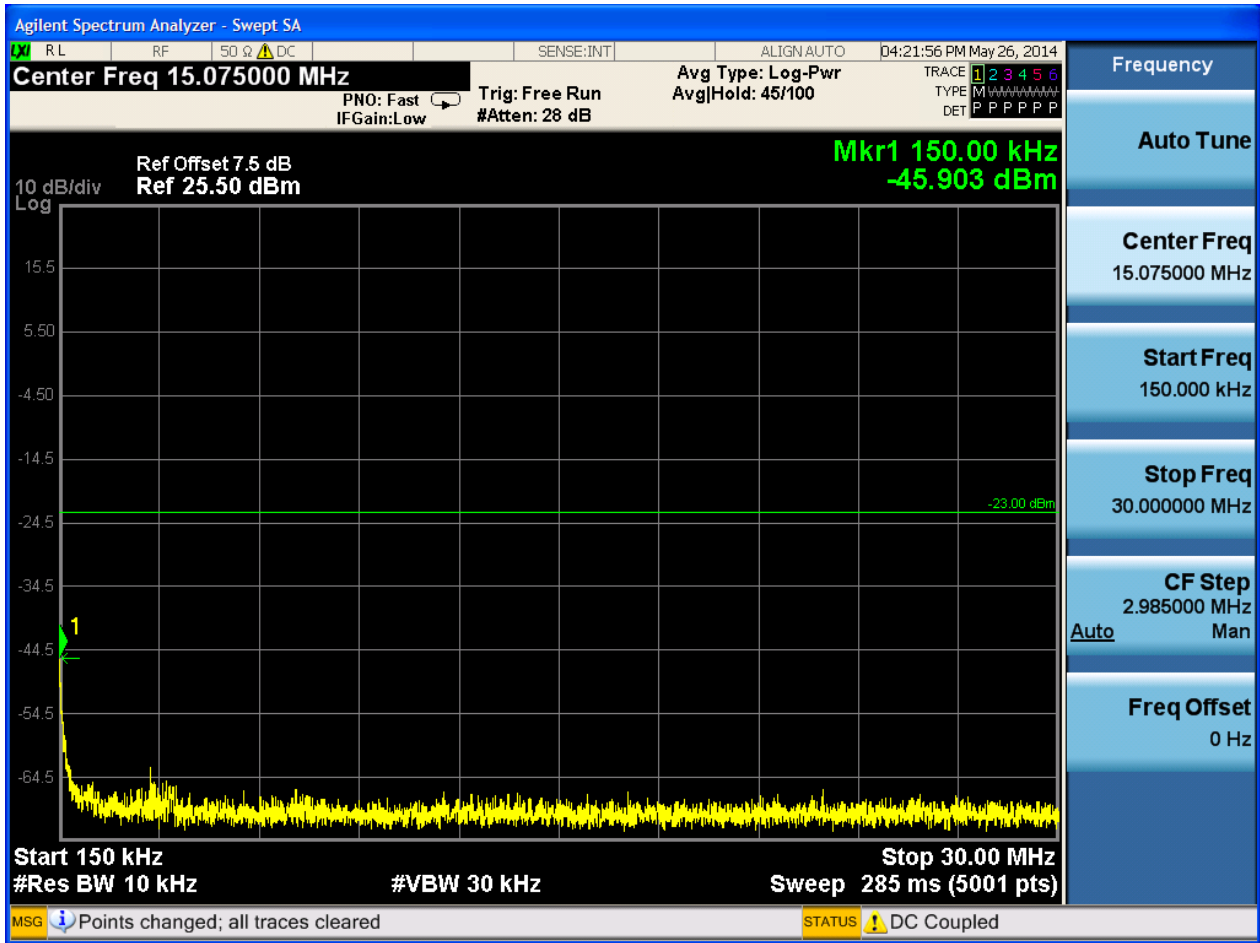


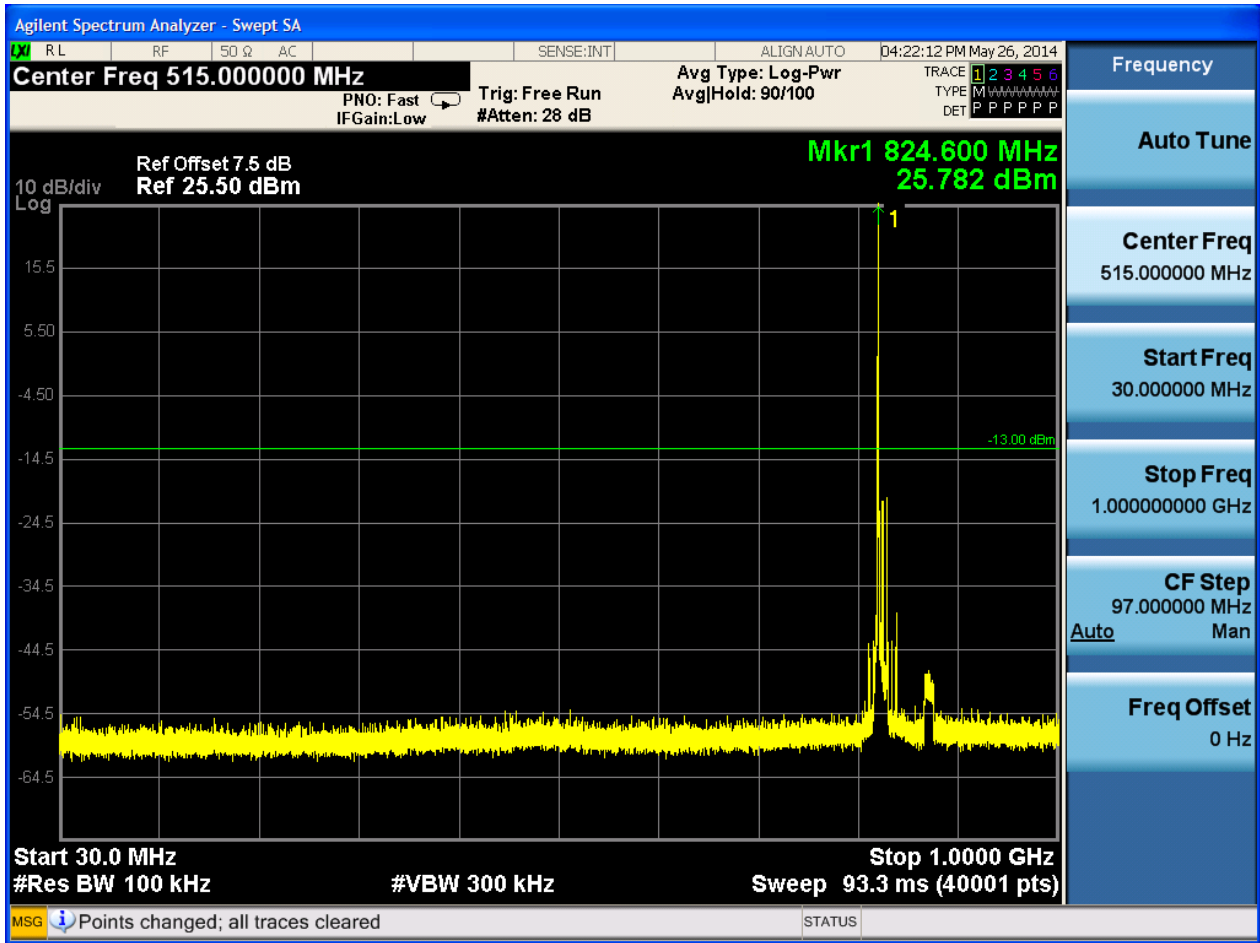
5.1.1.2.4 Test Bandwidth = 10

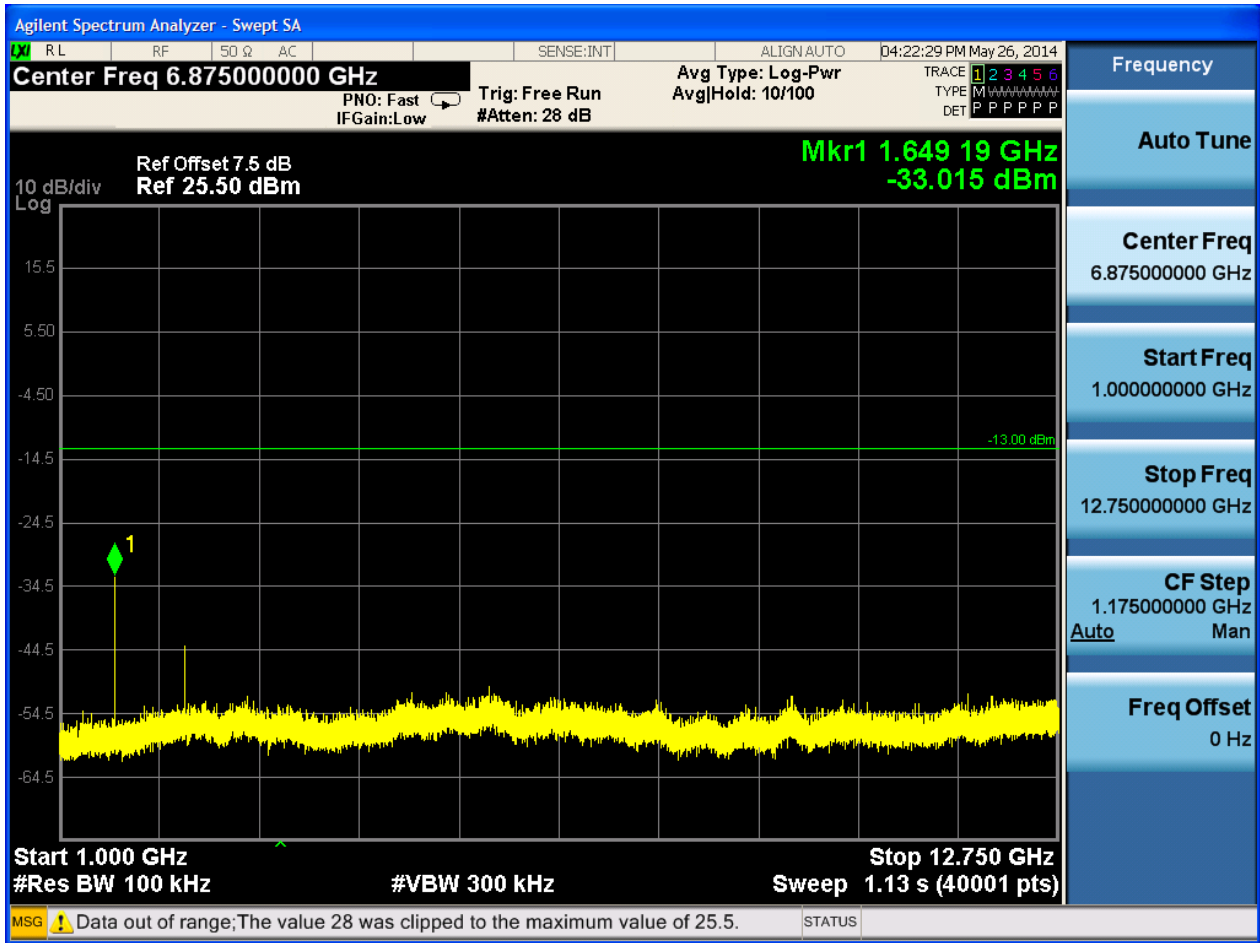
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





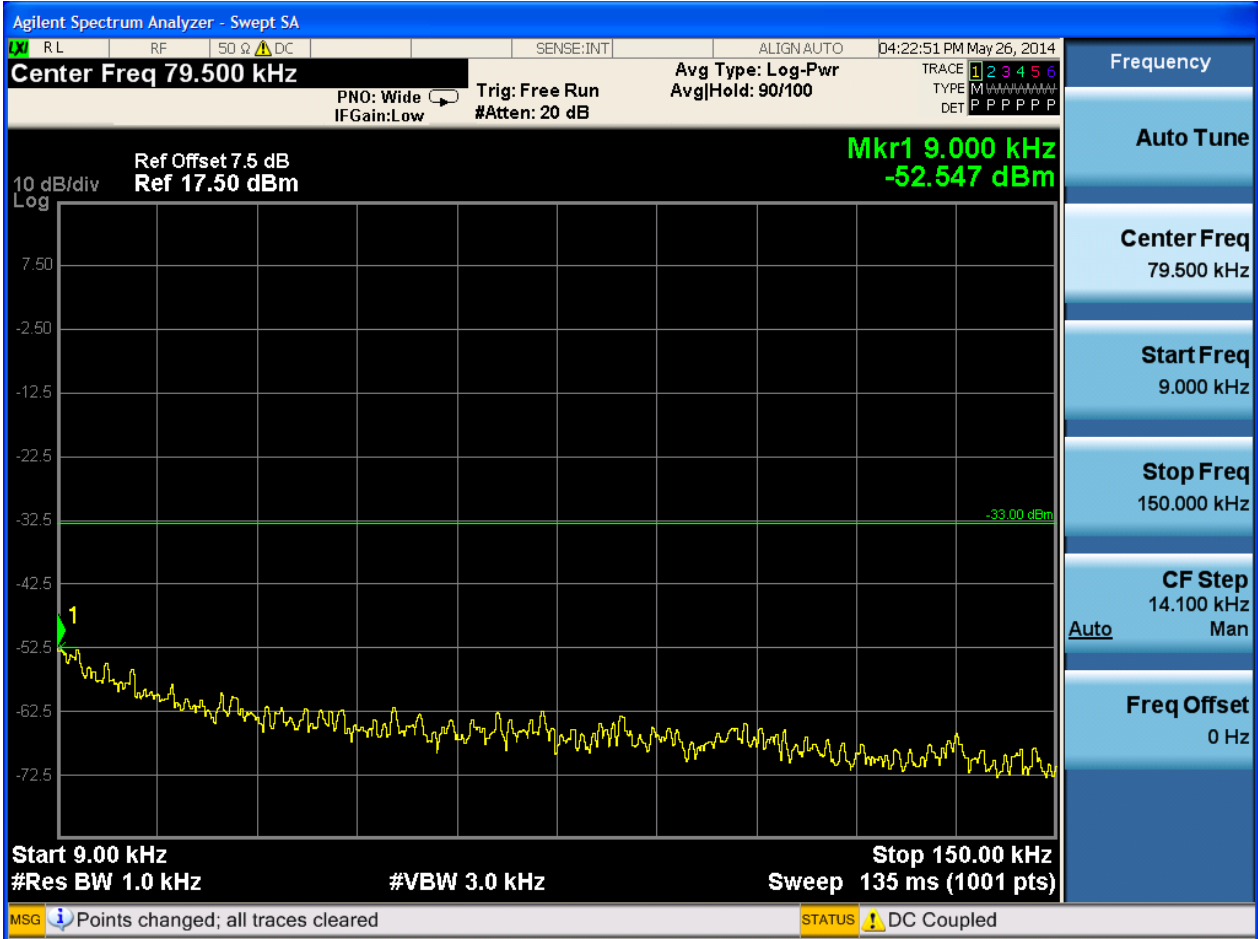




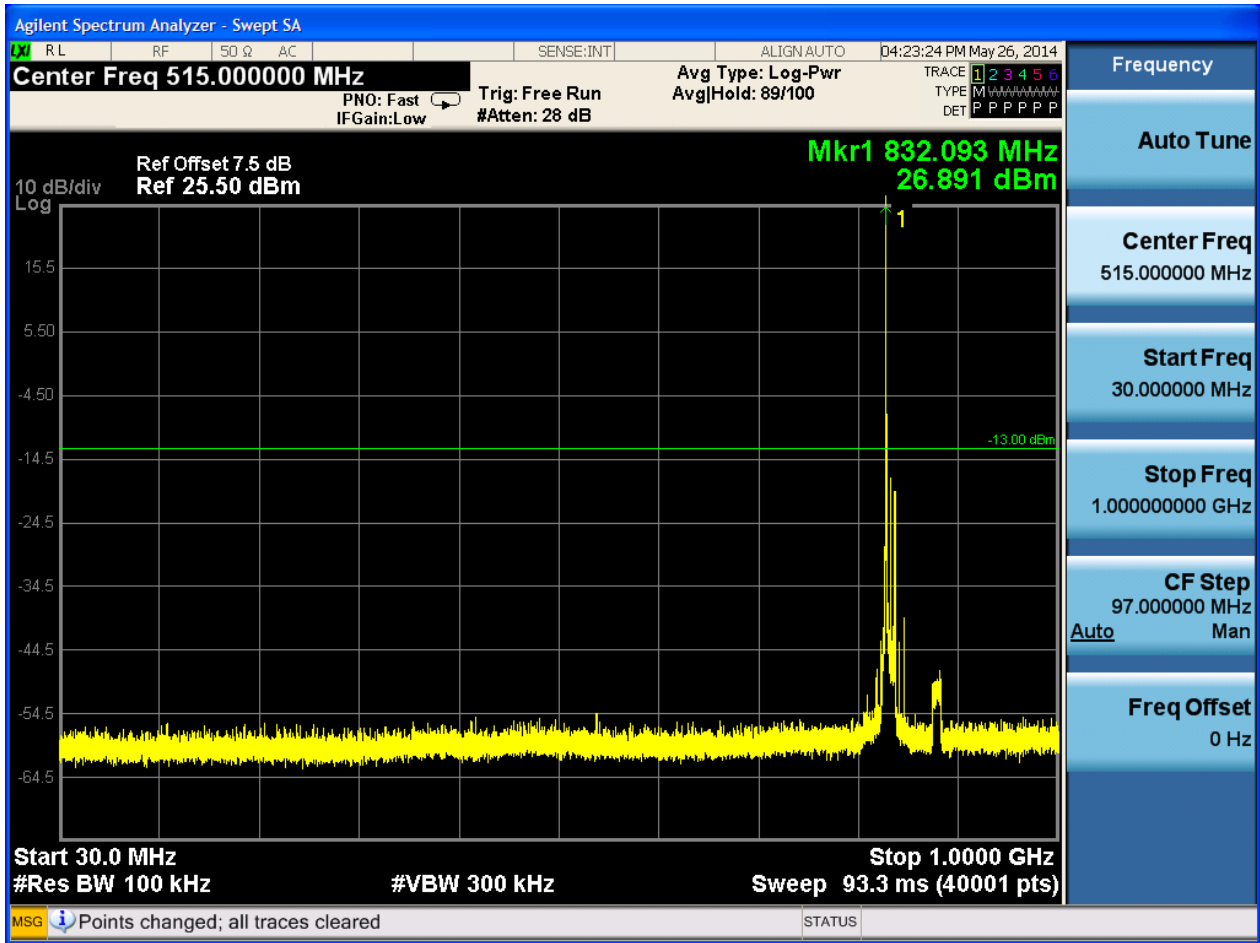


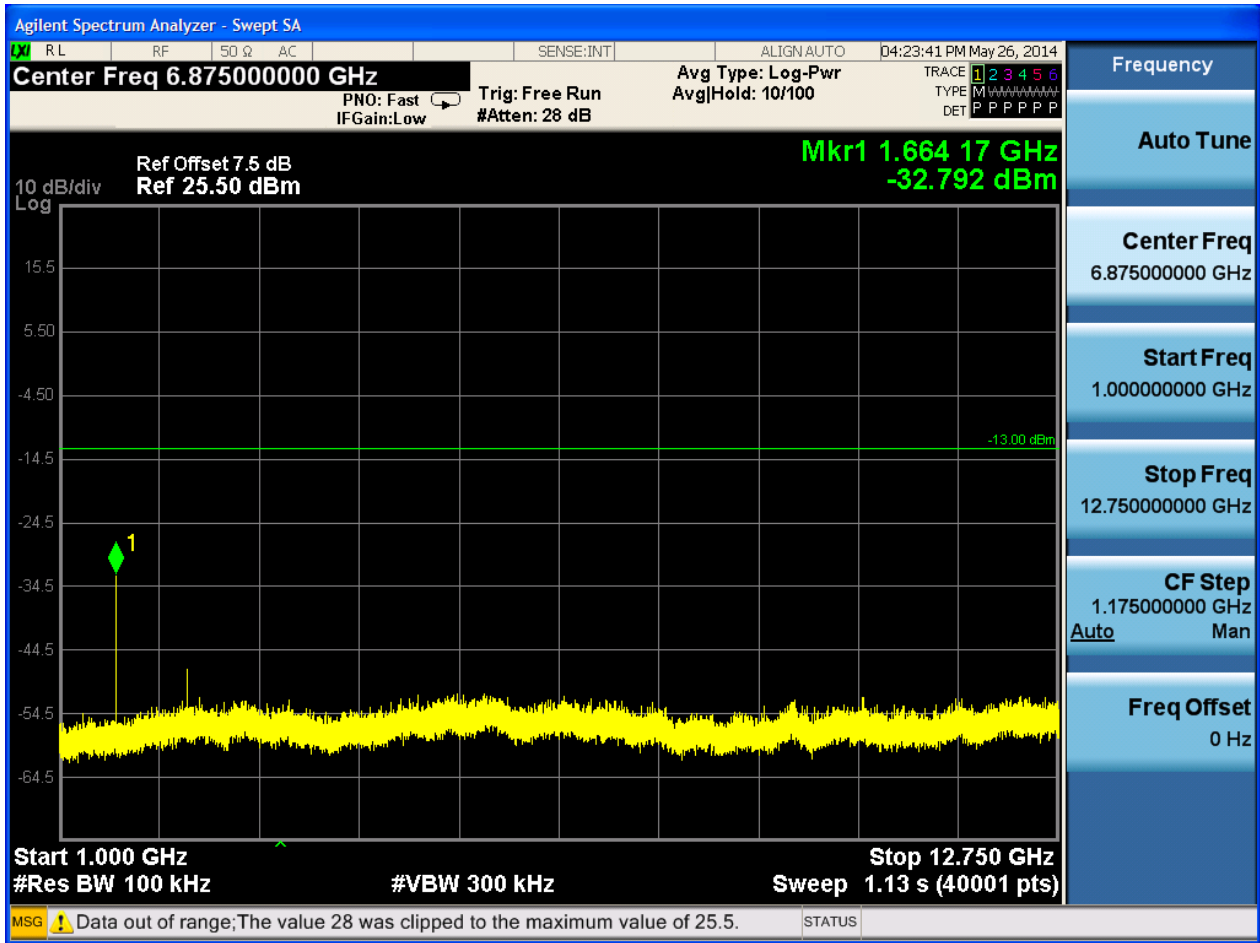
5.1.1.2.4.2 Test Channel = MCH

5.1.1.2.4.2.1 Test RB = RB1#0





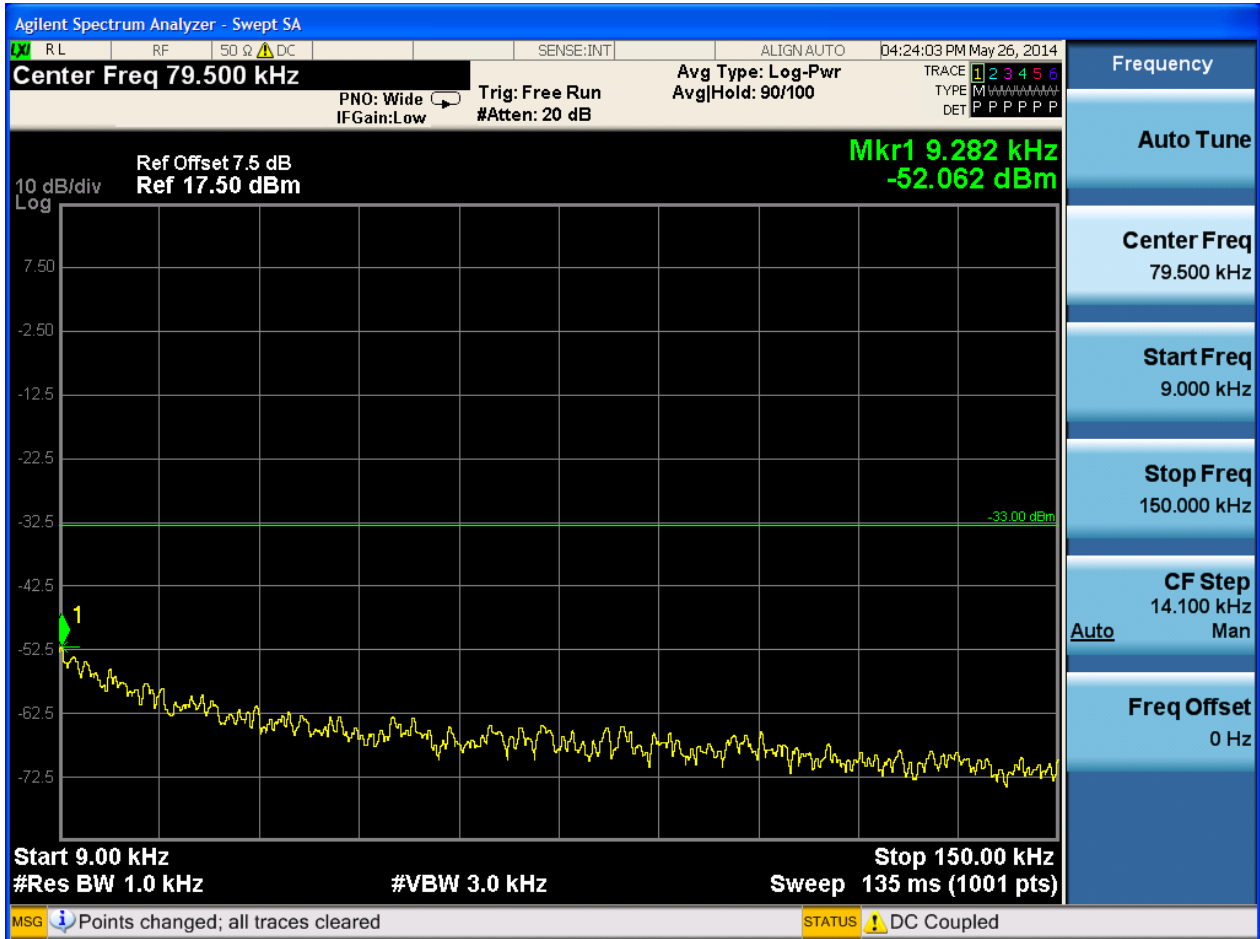




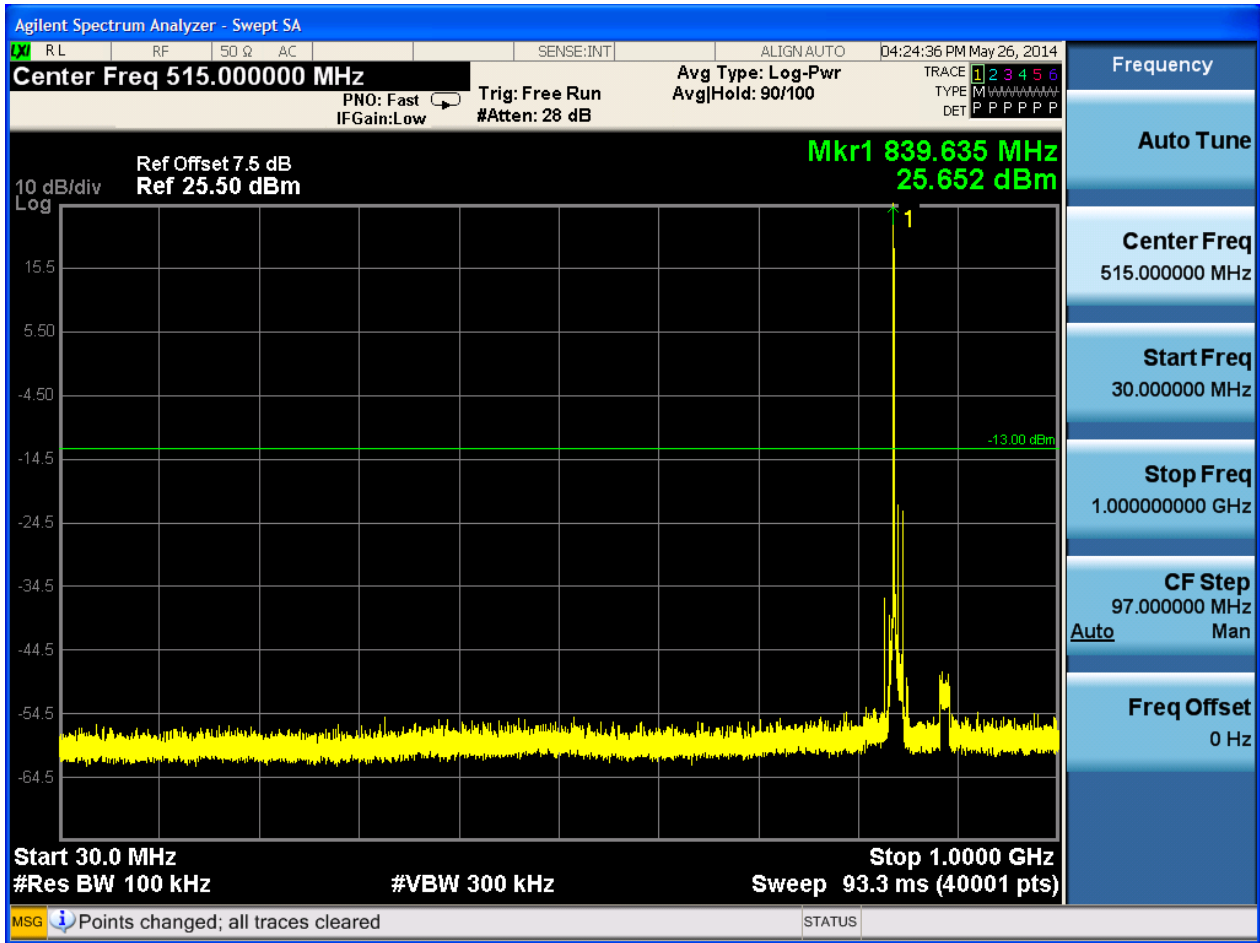


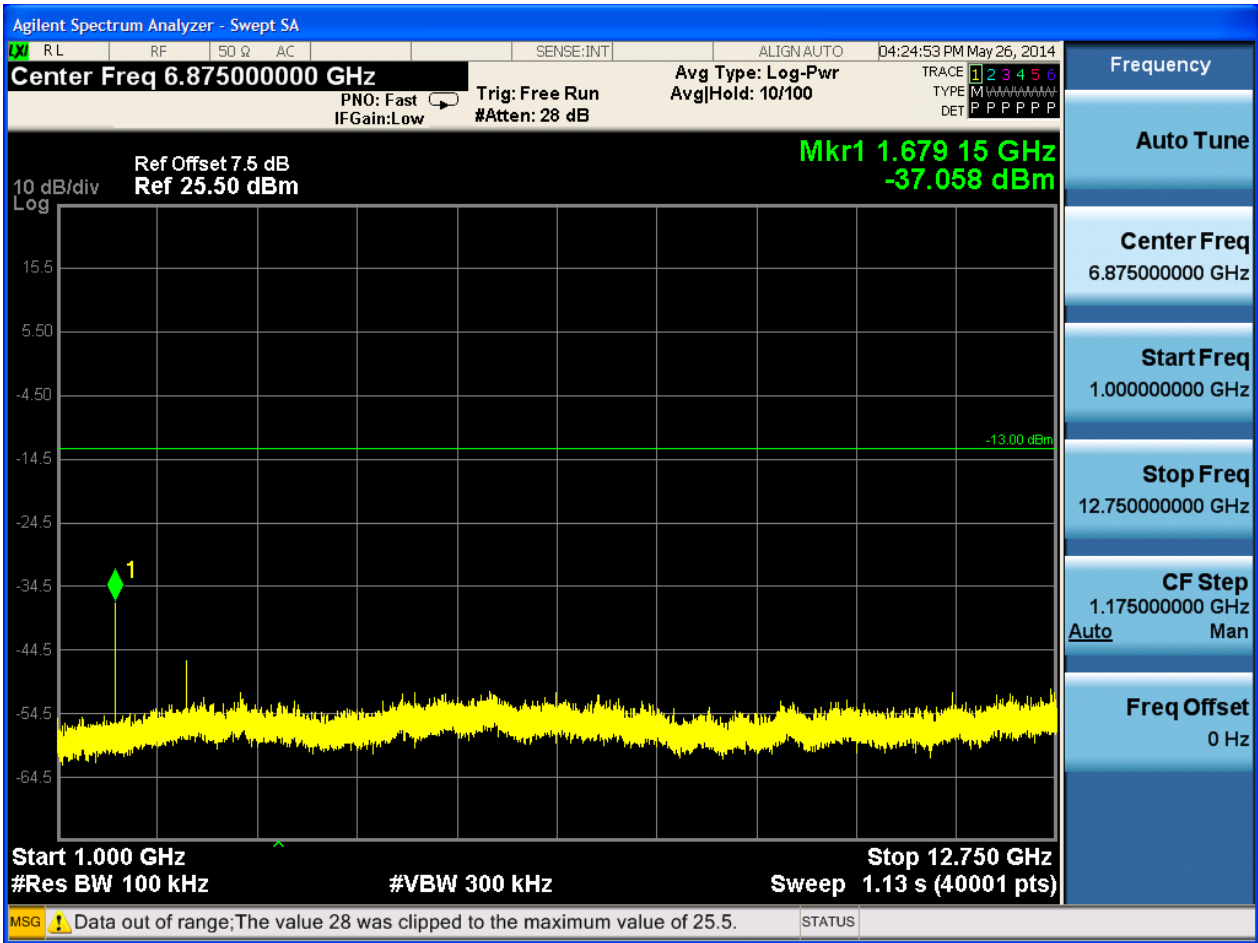
5.1.1.2.4.3 Test Channel = HCH

5.1.1.2.4.3.1 Test RB = RB1#0







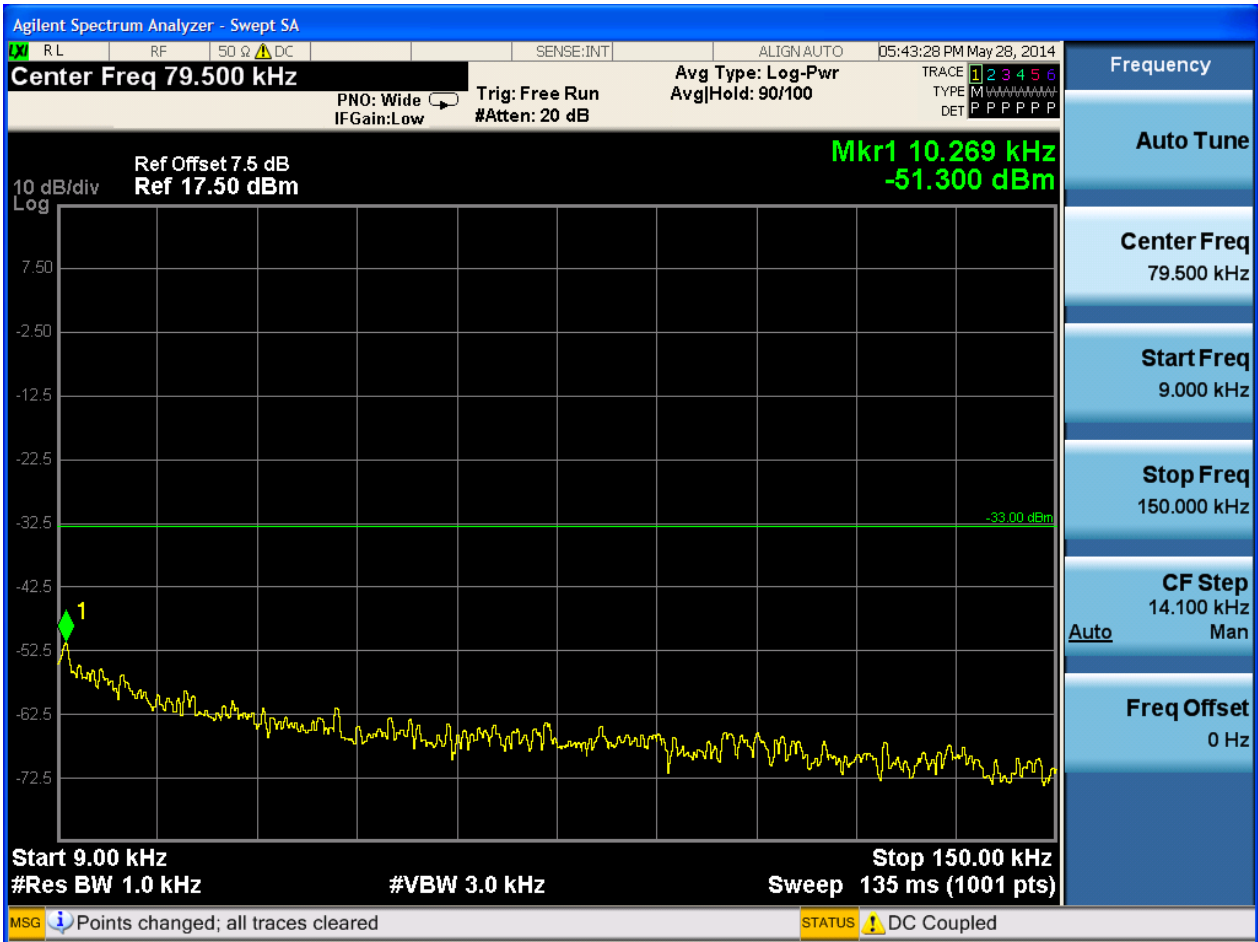


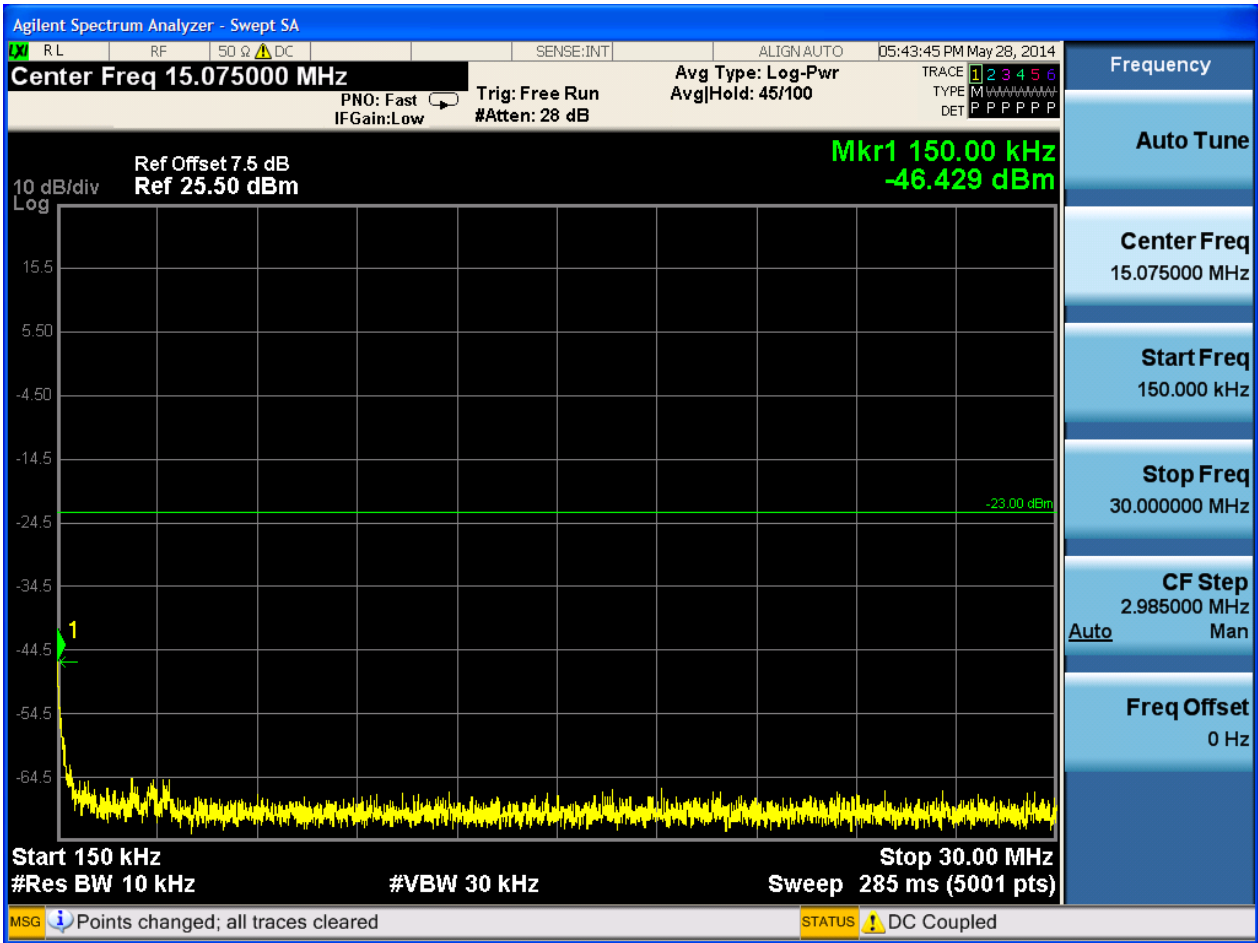


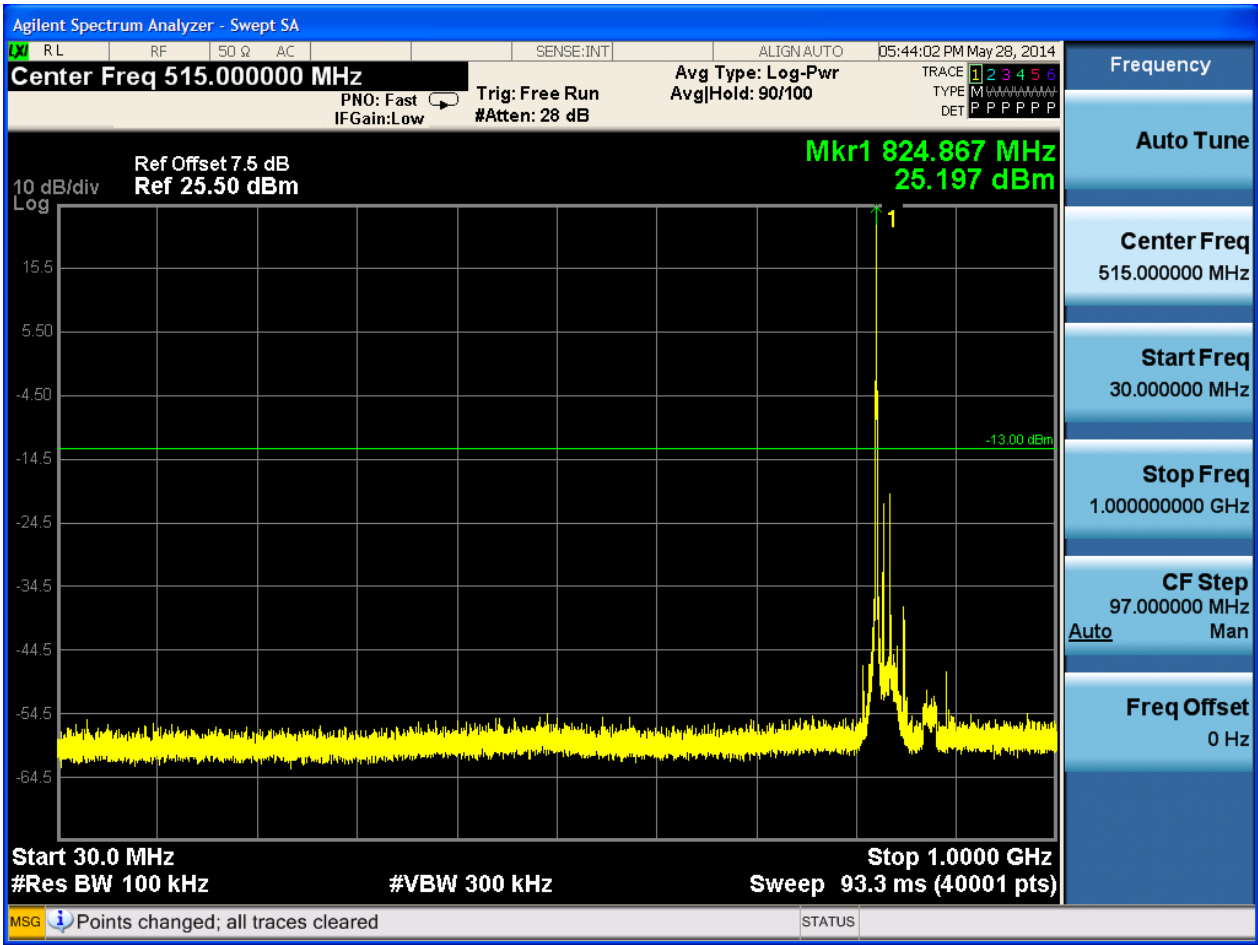
5.1.1.2.5 Test Bandwidth = 15

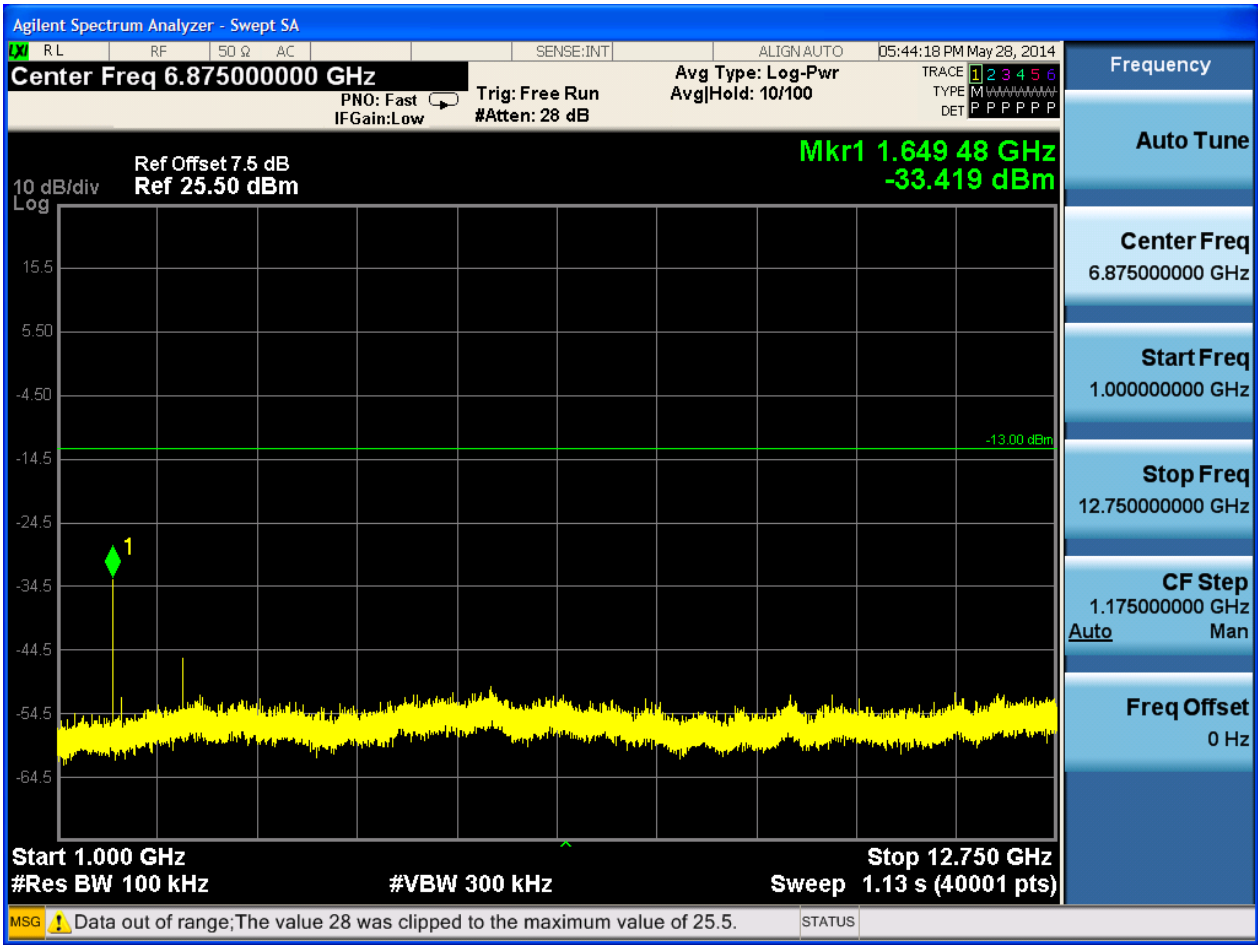
5.1.1.2.5.1 Test Channel = LCH

5.1.1.2.5.1.1 Test RB = RB1#0





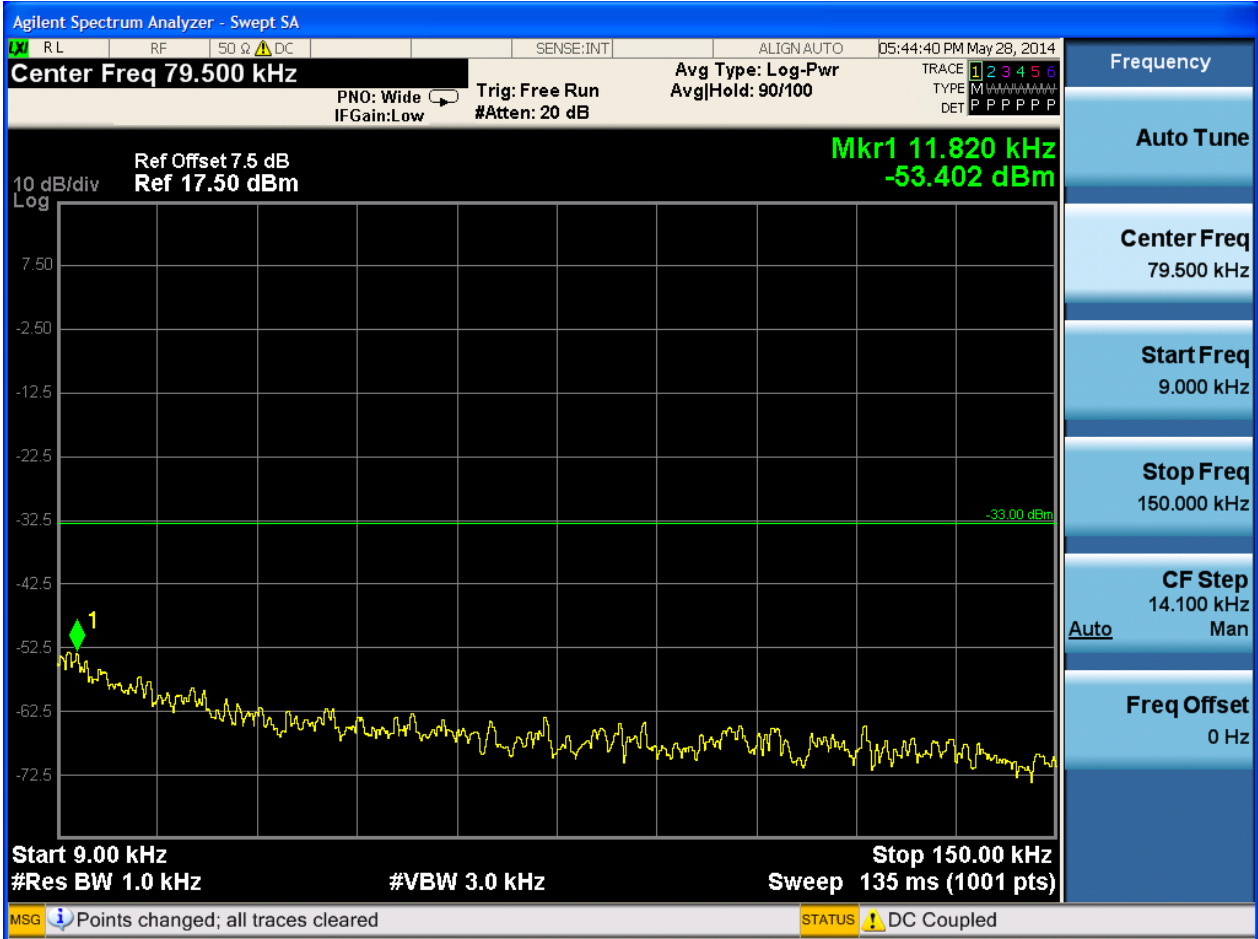


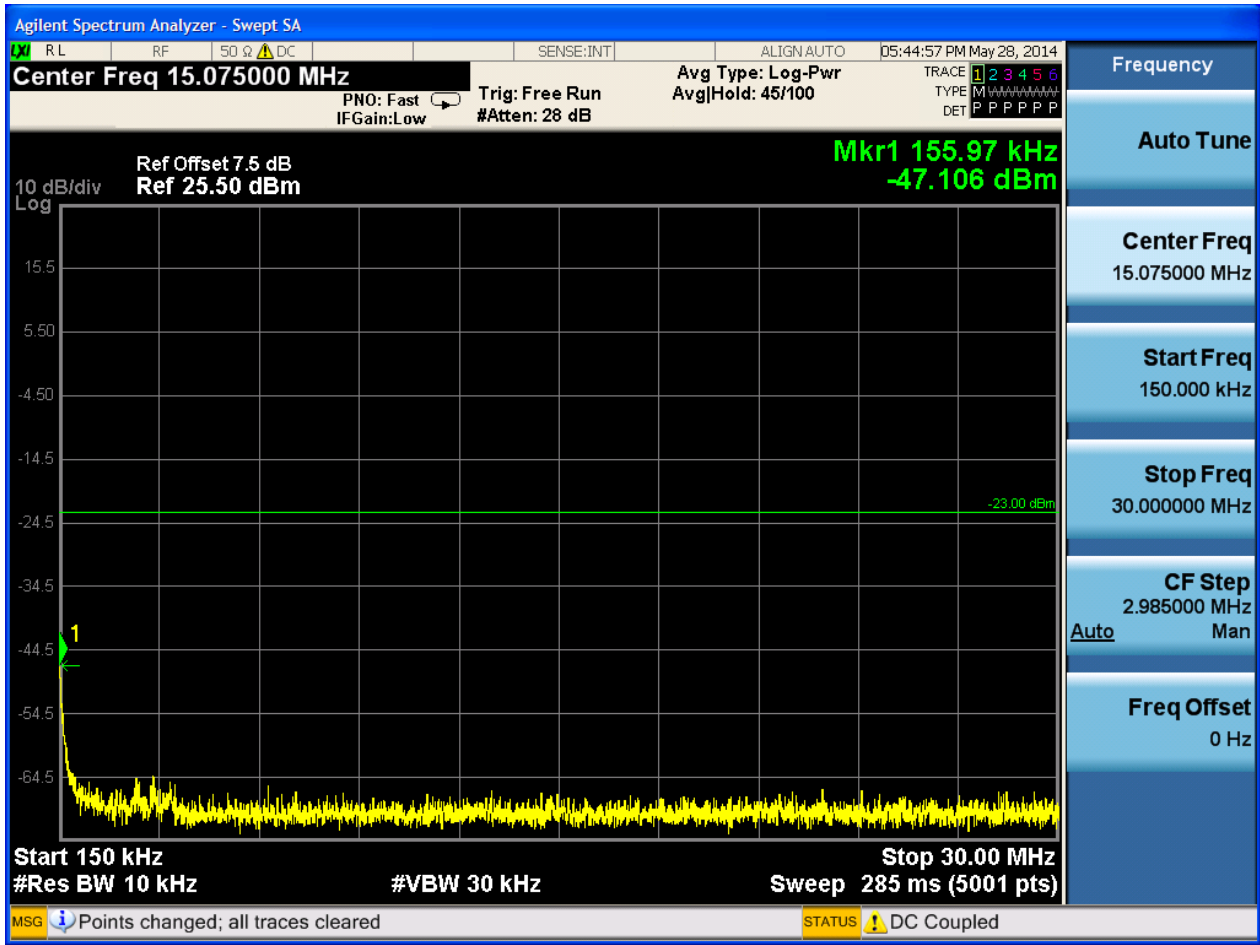


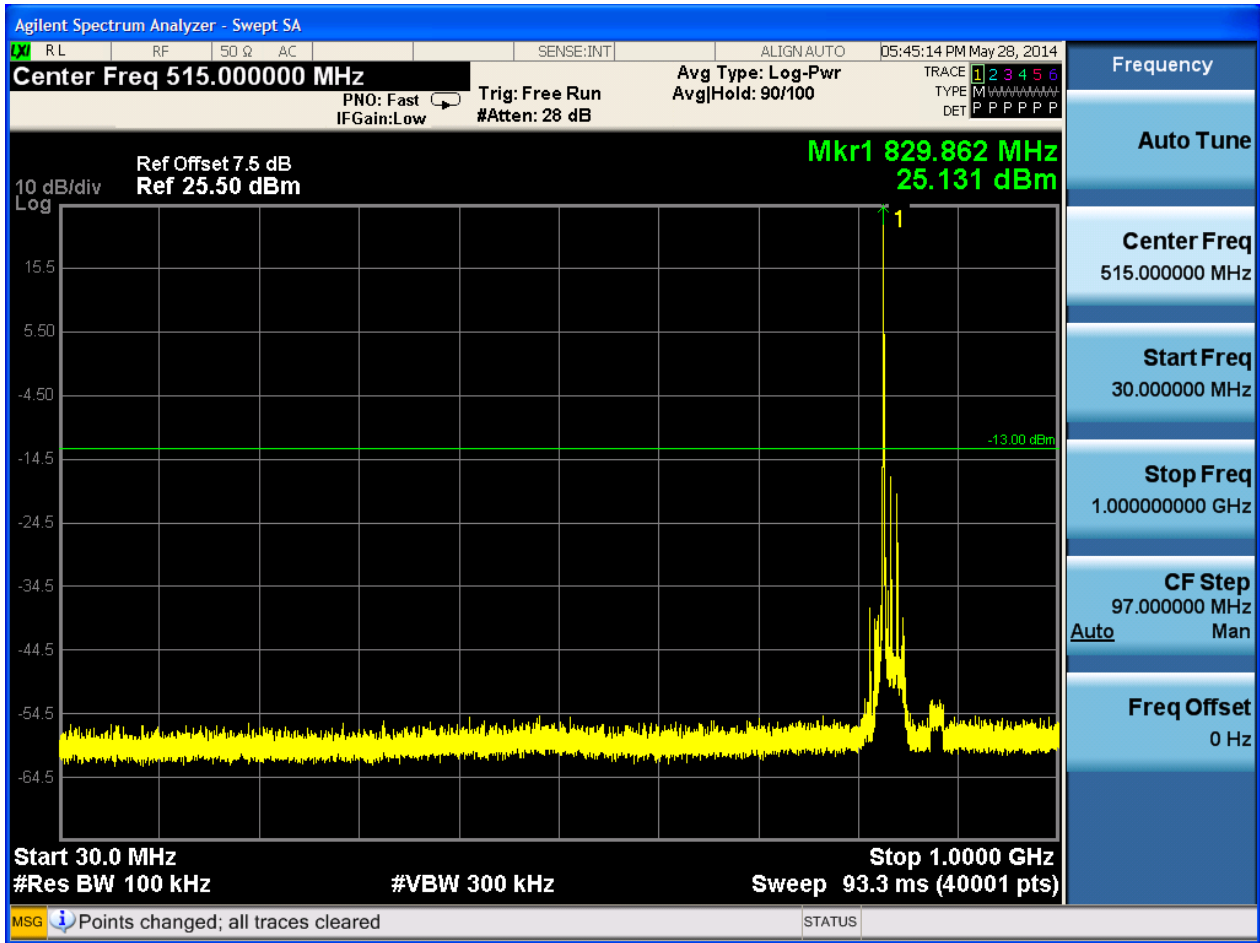


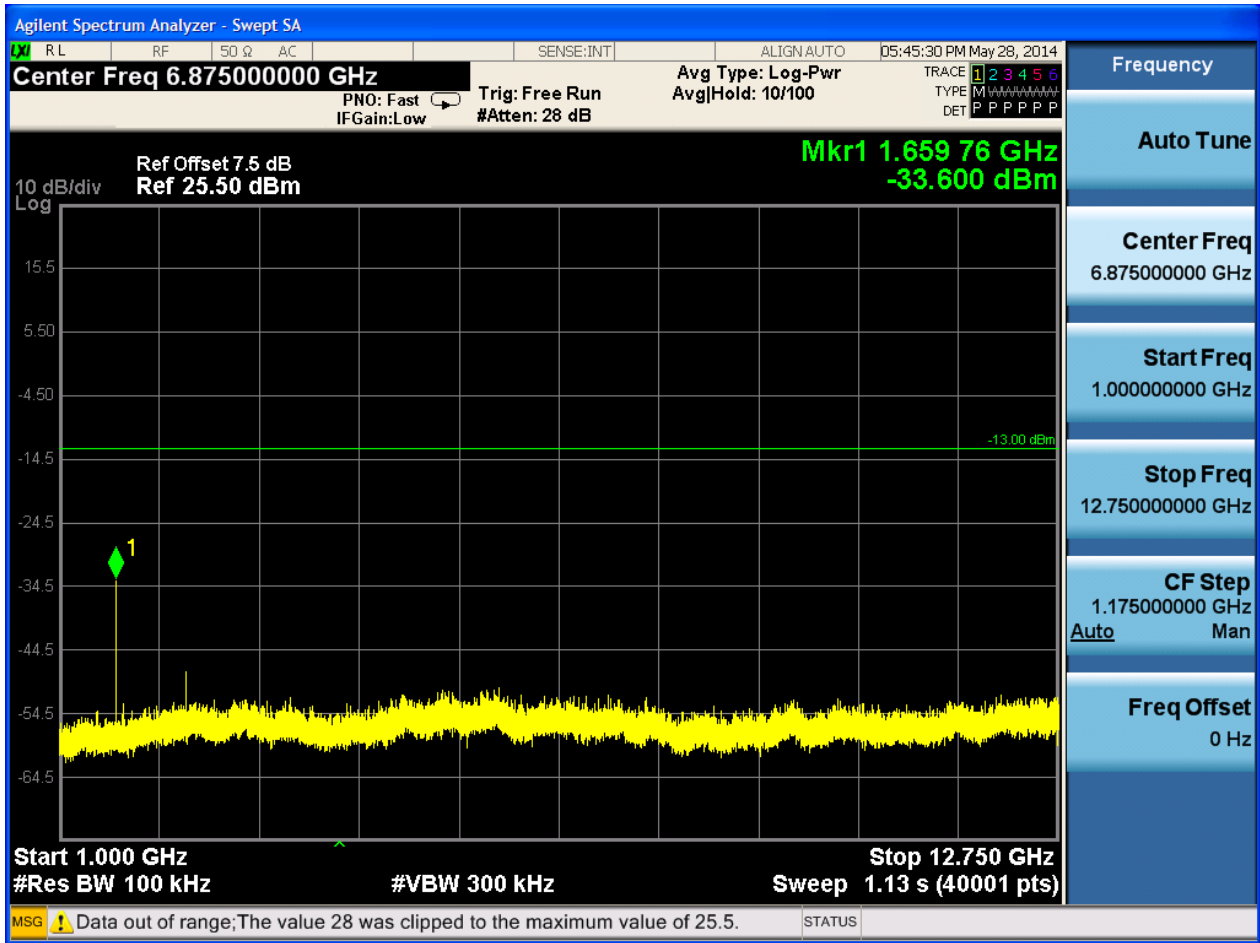
5.1.1.2.1.2 Test Channel = MCH

5.1.1.2.1.2.1 Test RB = RB1#0





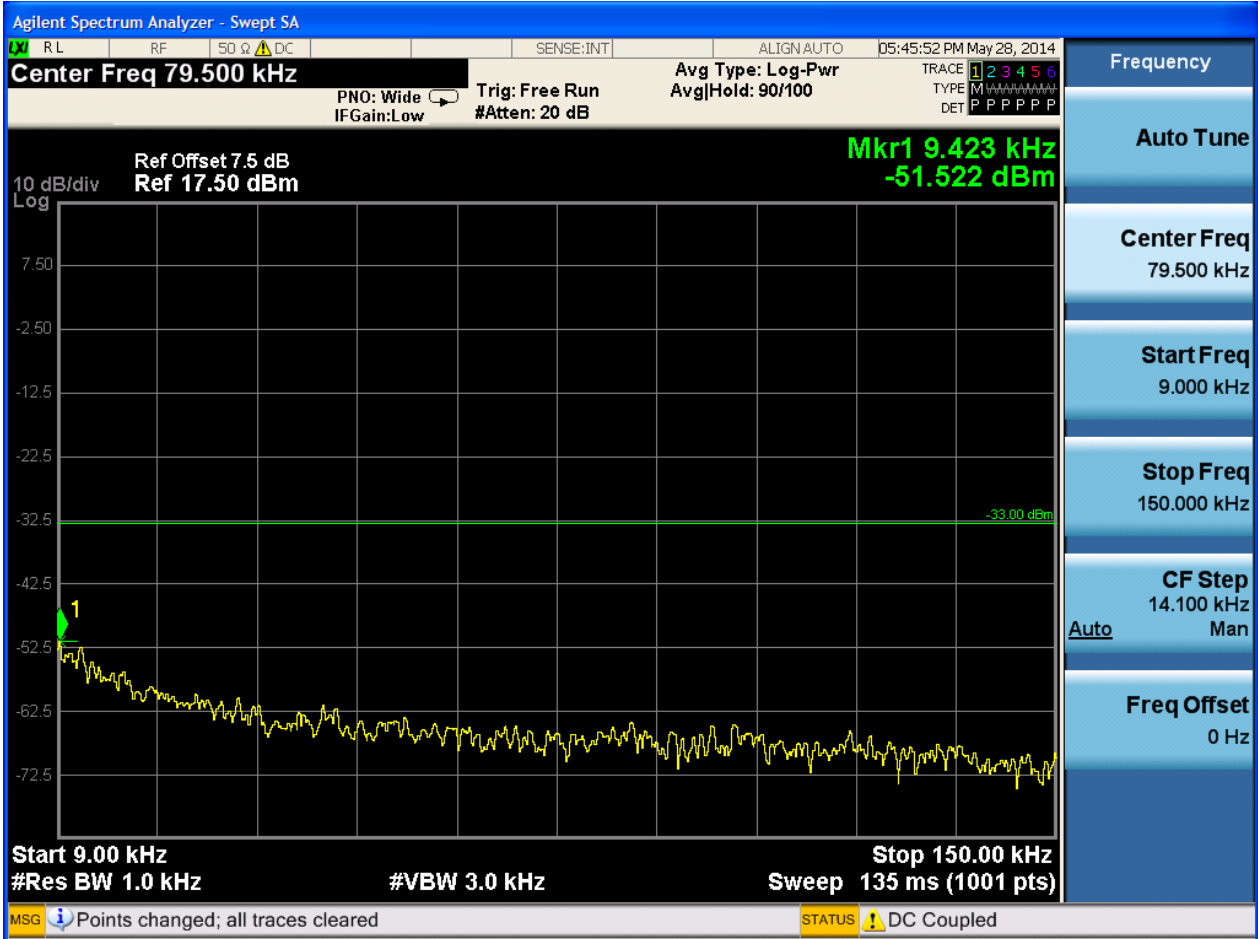


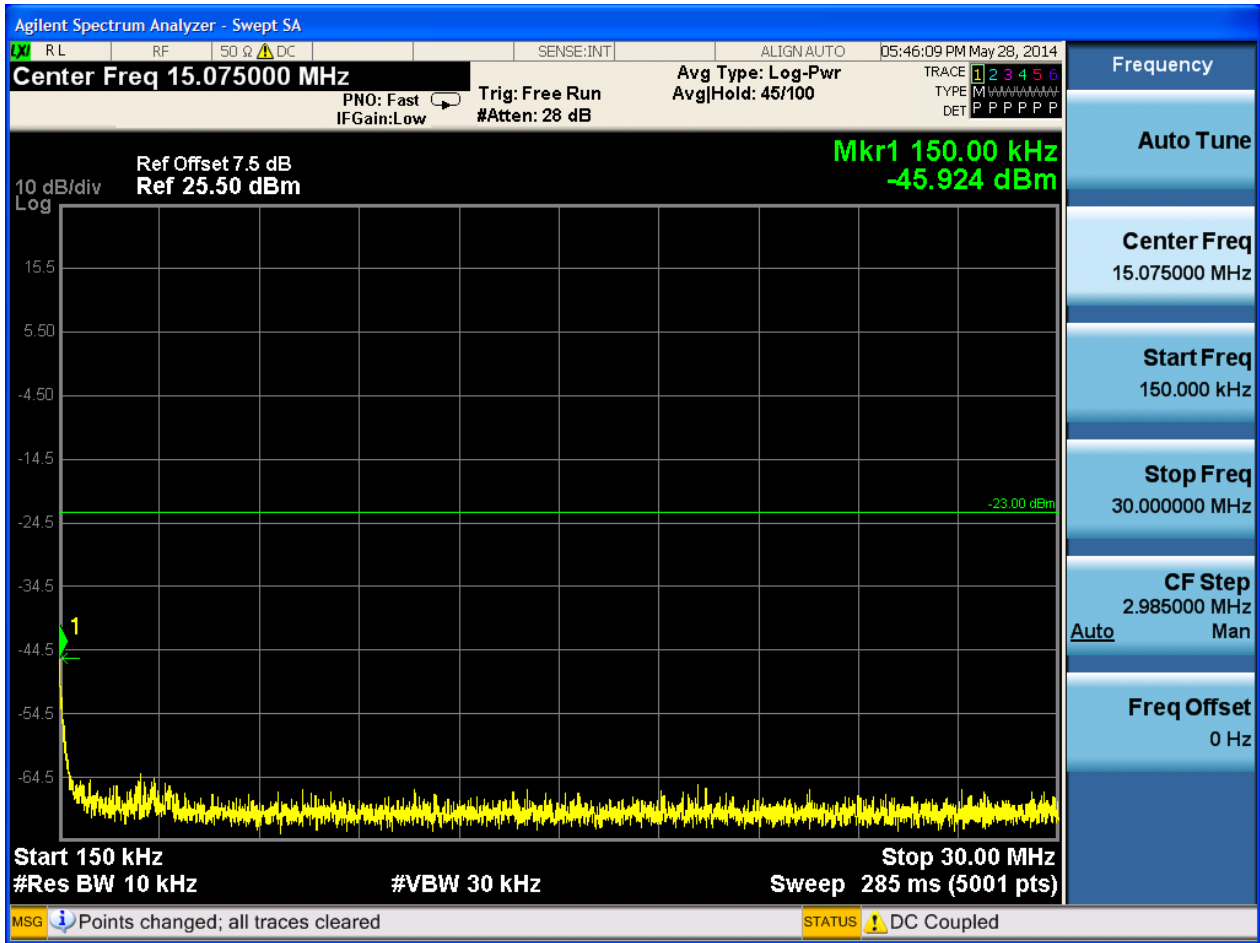


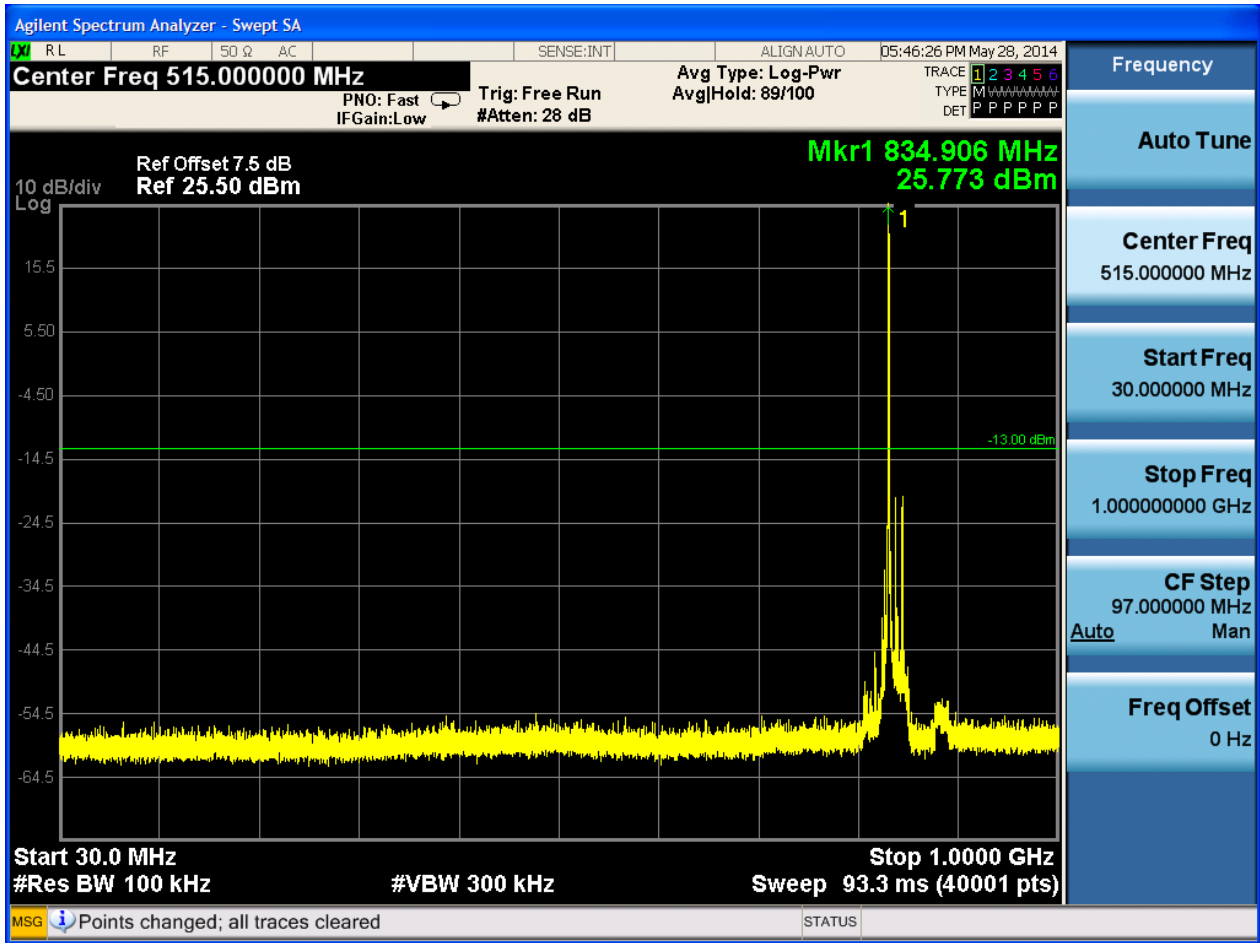


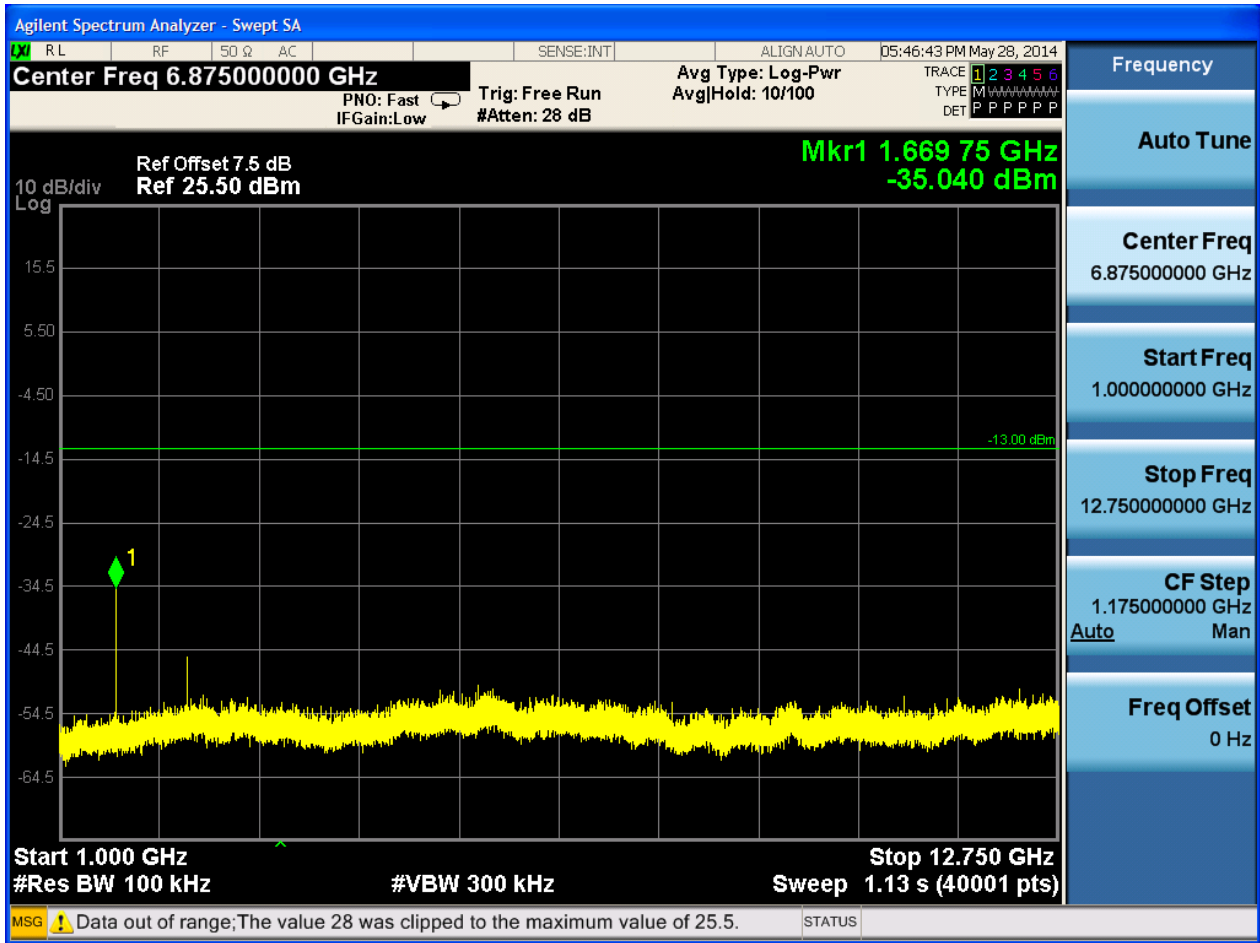
5.1.1.2.1.3 Test Channel = HCH

5.1.1.2.1.3.1 Test RB = RB1#0









6Appendix_F: 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

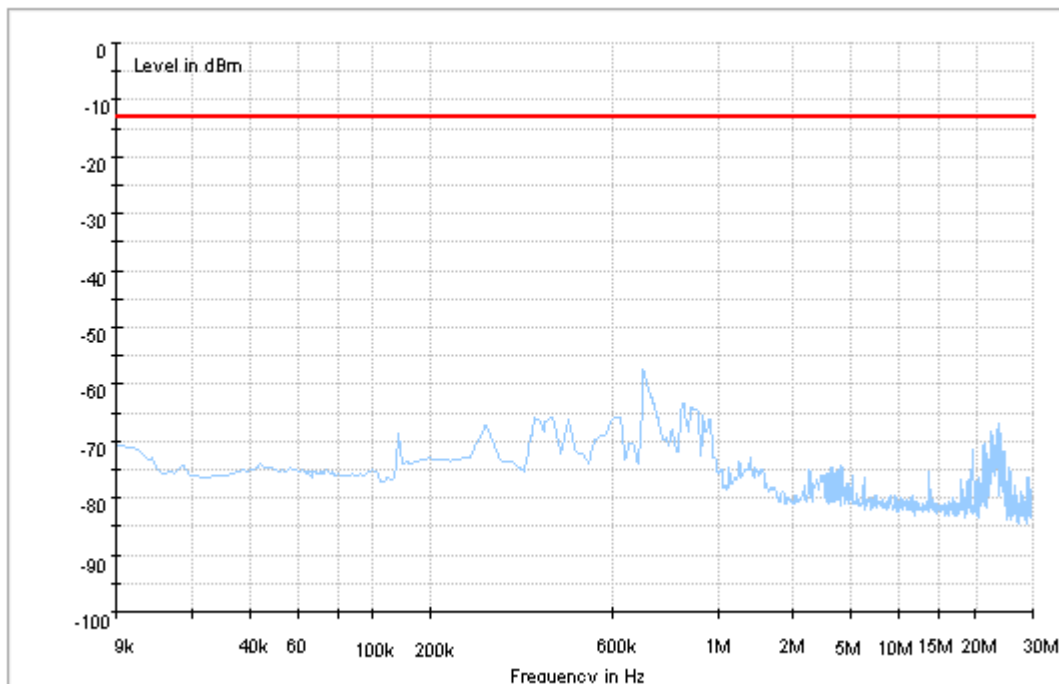
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

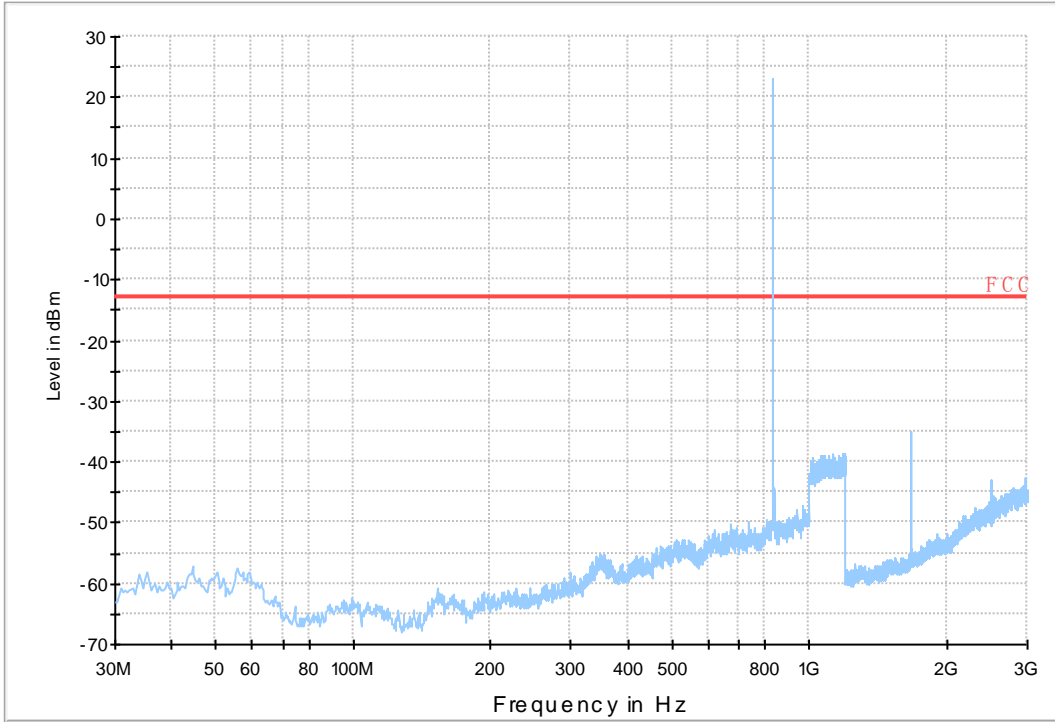
6.1 For LTE

6.1.1 Test Band = BAND26

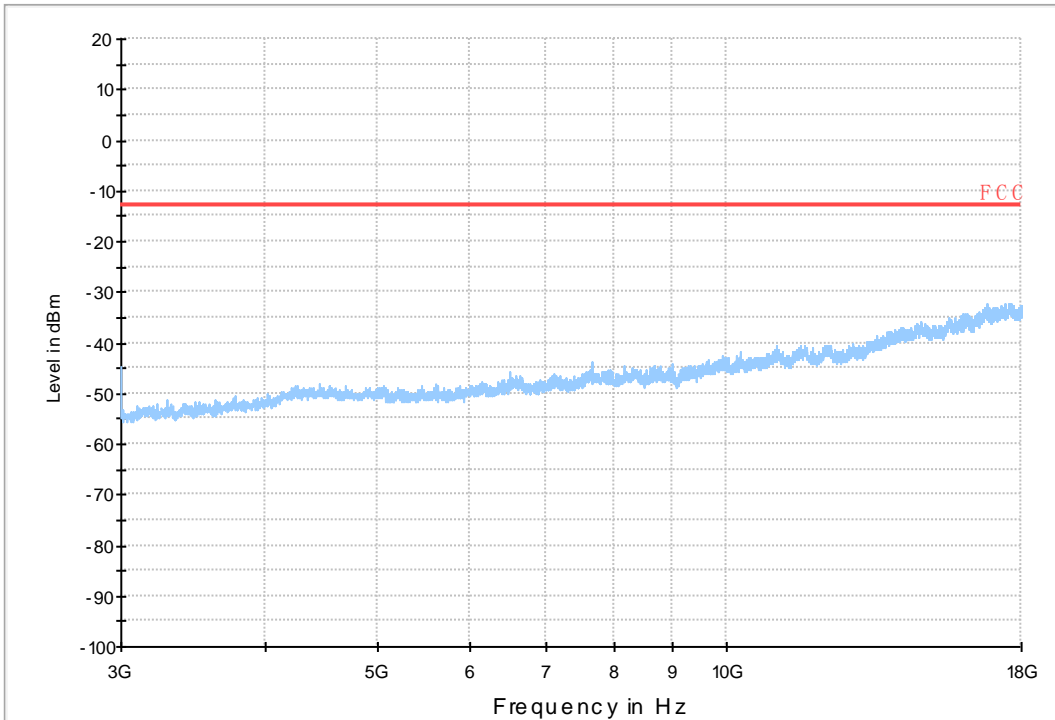
6.1.1.1 Test Bandwidth = 1.4



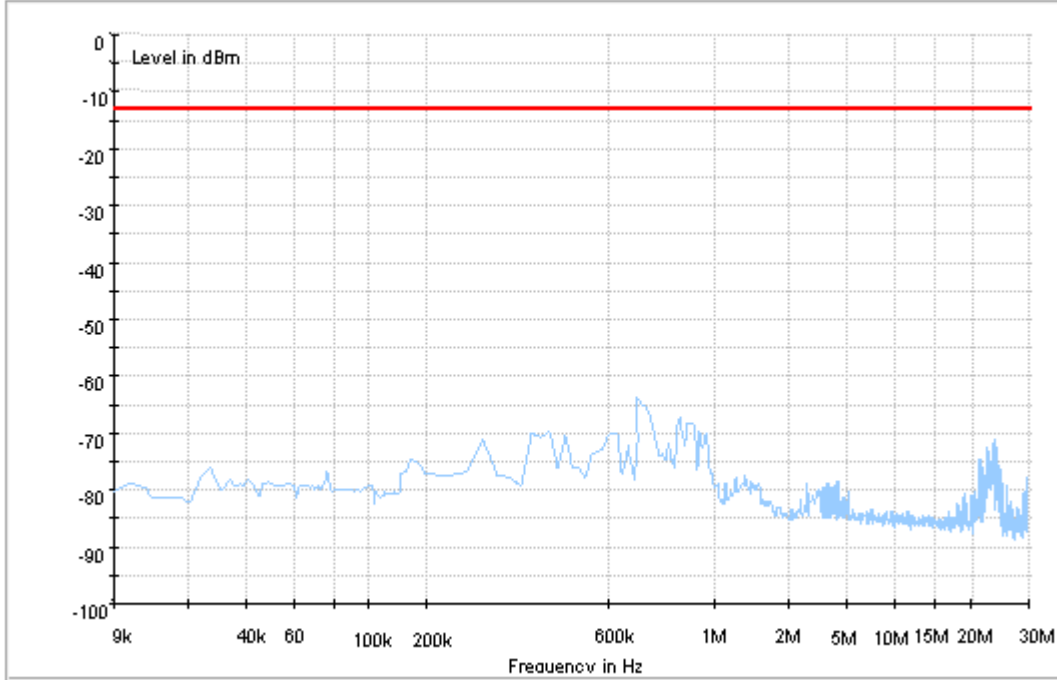
Copy of RSE-TX-DIRECTOR BELOW 1G_L



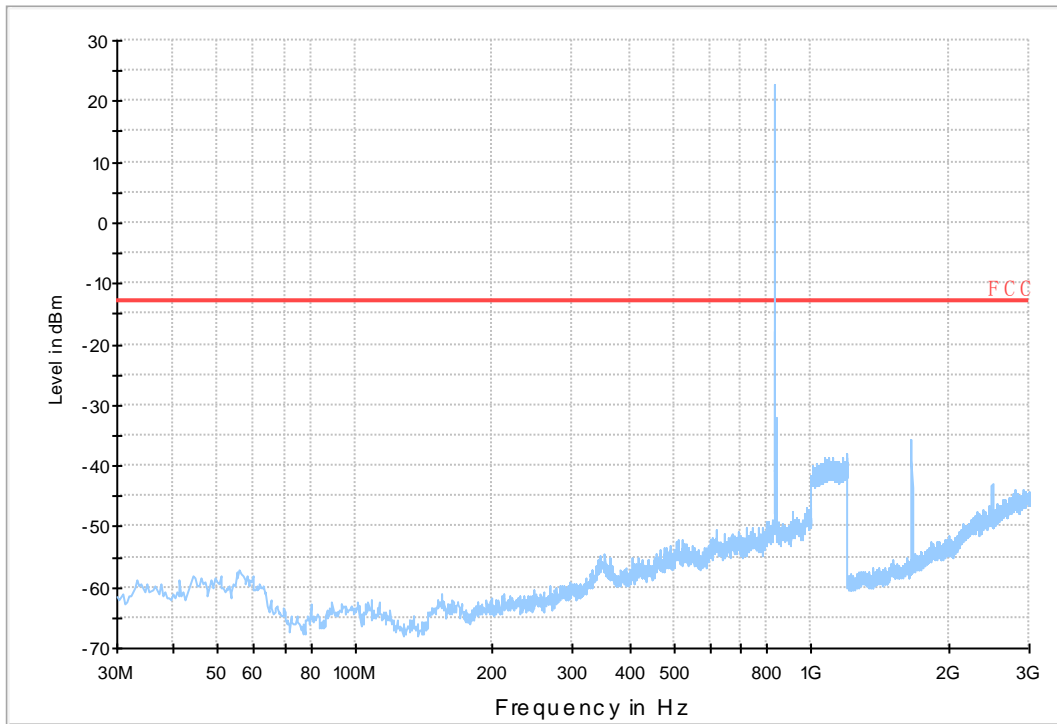
Copy of RSE-TX-DIRECTOR BELOW 1G_H



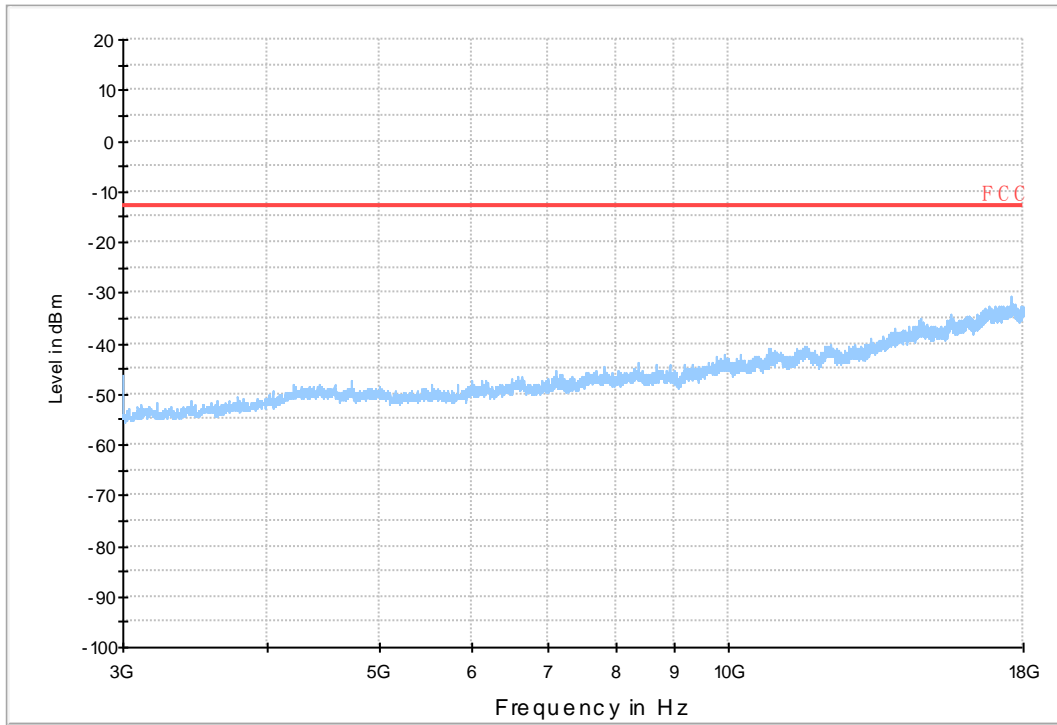
6.1.1.2 Test Bandwidth = 5



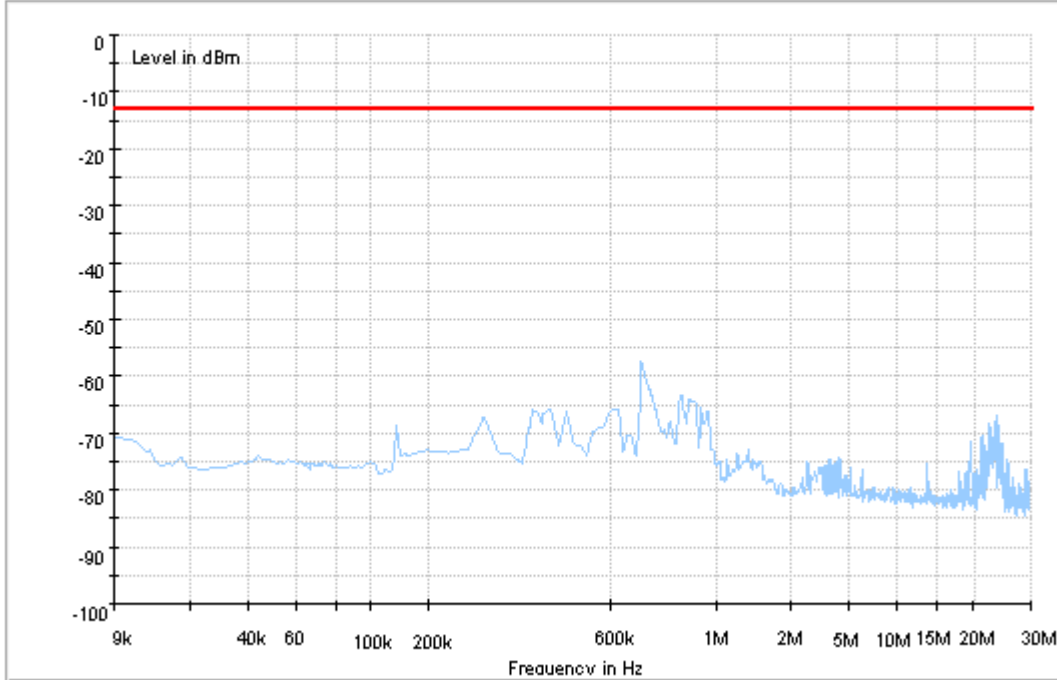
Copy of RSE-TX-DIRECTOR BELOW 1G_L



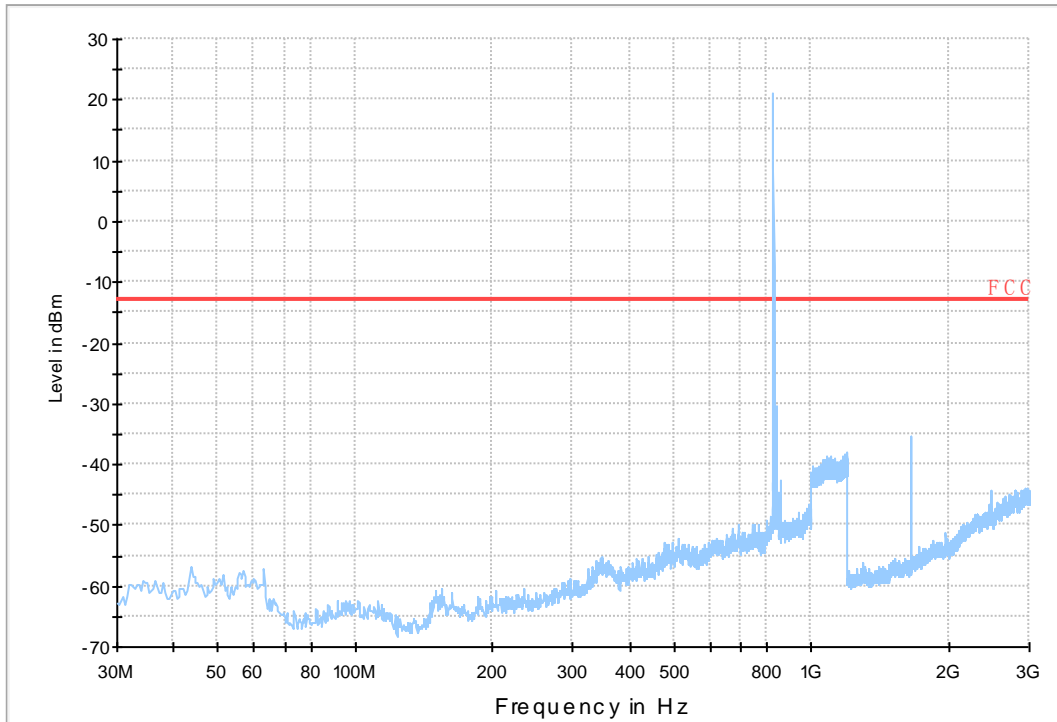
Copy of RSE-TX-DIRECTOR BELOW 1G_H



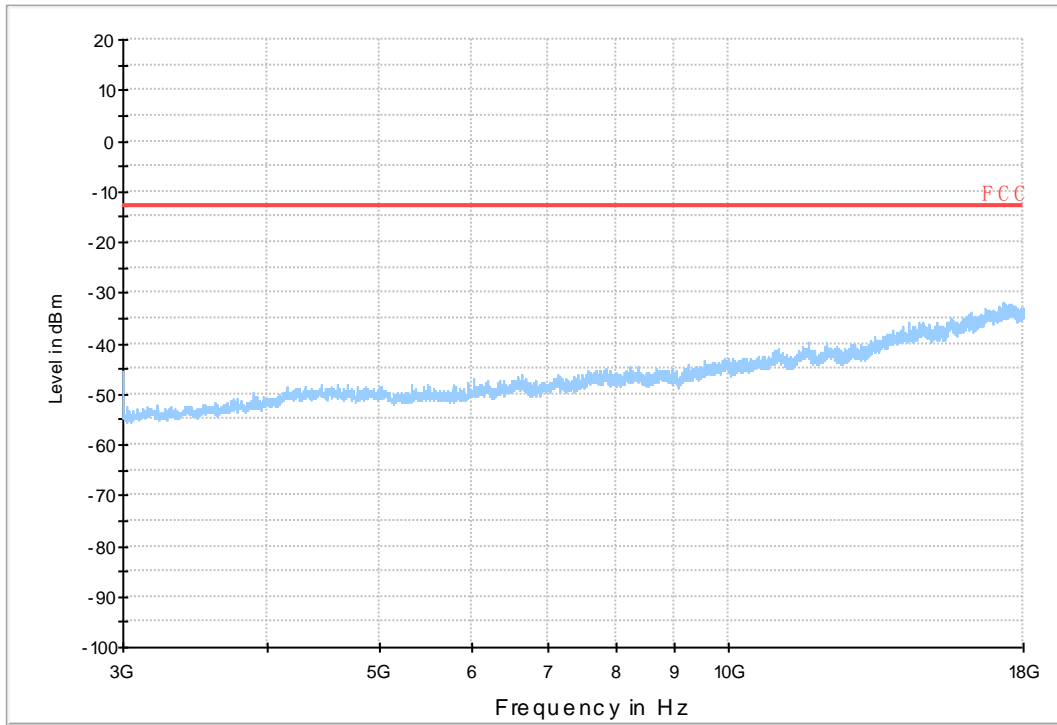
6.1.1.3 Test Bandwidth = 15



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H





7Appendix_G: Frequency Stability

7.1 For LTE

7.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND26	LTE/TM1	1.4	LCH	TN	VL	-0.7	-0.00085	PASS
					VN	-1.97	-0.00239	PASS
					VH	-0.9	-0.00109	PASS
			MCH	TN	VL	1.56	0.00186	PASS
					VN	0.87	0.00104	PASS
					VH	0.4	0.00048	PASS
			HCH	TN	VL	-3.13	-0.00369	PASS
					VN	-2.13	-0.00251	PASS
					VH	1.22	0.00144	PASS
		3	LCH	TN	VL	-0.29	-0.00035	PASS
					VN	-2.1	-0.00254	PASS
					VH	-3.35	-0.00406	PASS
			MCH	TN	VL	0.99	0.00118	PASS
					VN	0.13	0.00016	PASS
					VH	1.1	0.00132	PASS
			HCH	TN	VL	-0.51	-0.0006	PASS
					VN	-0.44	-0.00052	PASS
					VH	-0.31	-0.00037	PASS
		5	LCH	TN	VL	-0.9	-0.00109	PASS
					VN	-1.27	-0.00154	PASS
					VH	0.29	0.00035	PASS
			MCH	TN	VL	1.09	0.0013	PASS
					VN	-0.13	-0.00016	PASS
					VH	0.49	0.00059	PASS
			HCH	TN	VL	-0.89	-0.00105	PASS
					VN	-1.22	-0.00144	PASS
					VH	-2.42	-0.00286	PASS
		10	LCH	TN	VL	0.44	0.00053	PASS
					VN	0.72	0.00087	PASS
					VH	0.96	0.00116	PASS
			MCH	TN	VL	0.07	0.00008	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			HCH	TN	VN	0.53	0.00063	PASS	
					VH	0.92	0.0011	PASS	
					VL	1.59	0.00188	PASS	
			VN	1.5	0.00178	PASS			
			VH	0.92	0.00109	PASS			
			VL	-1.83	-0.0022	PASS			
		15	LCH	TN	VN	-2.2	-0.00265	PASS	
					VH	-2.47	-0.00297	PASS	
					VL	0.53	0.00063	PASS	
			MCH	TN	VN	0.41	0.00049	PASS	
					VH	0.46	0.00055	PASS	
					VL	-0.4	-0.00048	PASS	
		HCH	TN	VN	-0.82	-0.00097	PASS		
				VH	-0.2	-0.00024	PASS		
				VL	-0.8	-0.00097	PASS		
		LTE/TM2	1.4	LCH	TN	VN	-0.39	-0.00047	PASS
						VH	-2	-0.00243	PASS
						VL	-0.19	-0.00023	PASS
	MCH			TN	VN	-0.5	-0.0006	PASS	
					VH	0.87	0.00104	PASS	
					VL	-0.89	-0.00105	PASS	
	HCH			TN	VN	-0.03	-0.00004	PASS	
					VH	-0.82	-0.00097	PASS	
					VL	-0.86	-0.00104	PASS	
	3			LCH	TN	VN	-1.27	-0.00154	PASS
						VH	-0.79	-0.00096	PASS
						VL	0.6	0.00072	PASS
			MCH	TN	VN	-0.16	-0.00019	PASS	
					VH	1.43	0.00171	PASS	
					VL	-0.53	-0.00063	PASS	
			HCH	TN	VN	-1.62	-0.00191	PASS	
					VH	-1.89	-0.00223	PASS	
					VL	-1.02	-0.00123	PASS	
	5	LCH	TN	VN	-1.54	-0.00186	PASS		
				VH	0.47	0.00057	PASS		
				VL	0.19	0.00023	PASS		
		MCH	TN	VN	0.46	0.00055	PASS		
				VH	0.5	0.0006	PASS		
				VL	-1.34	-0.00158	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	LCH	TN	VN	-3.75	-0.00443	PASS
					VH	-1.54	-0.00182	PASS
					VL	0.77	0.00093	PASS
			VN	0.04	0.00005	PASS		
			VH	0.26	0.00031	PASS		
			VL	0.1	0.00012	PASS		
		MCH	TN	VN	0.39	0.00047	PASS	
				VH	0.23	0.00027	PASS	
				VL	9.81	0.01162	PASS	
			HCH	TN	VN	0.21	0.00025	PASS
					VH	0.24	0.00028	PASS
					VL	-2.86	-0.00344	PASS
		15	LCH	TN	VN	-2.57	-0.00309	PASS
					VH	-2.37	-0.00285	PASS
					VL	0.8	0.00096	PASS
			MCH	TN	VN	1.37	0.00164	PASS
					VH	0.96	0.00115	PASS
					VL	-1.27	-0.00151	PASS
			HCH	TN	VN	-1.56	-0.00185	PASS
					VH	-0.46	-0.00055	PASS
VL								

7.1.2 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND26	LTE/TM1	1.4	LCH	VN	-30	0.19	0.00023	PASS
					-20	-1.12	-0.00136	PASS
					-10	-0.4	-0.00049	PASS
					0	-0.64	-0.00078	PASS
					10	0.09	0.00011	PASS
					20	-0.16	-0.00019	PASS
					30	-0.6	-0.00073	PASS
					40	0.92	0.00112	PASS
			MCH	VN	-30	0.56	0.00067	PASS
					-20	-0.67	-0.0008	PASS
					-10	0.07	0.00008	PASS
					0	1.32	0.00158	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
					10	1.23	0.00147	PASS				
					20	1.33	0.00159	PASS				
					30	0.97	0.00116	PASS				
					40	0.01	0.00001	PASS				
					50	0.1	0.00012	PASS				
			HCH	VN				-30	-1.12	-0.00132	PASS	
								-20	-0.92	-0.00108	PASS	
								-10	-1.65	-0.00195	PASS	
								0	-1.06	-0.00125	PASS	
								10	-1.06	-0.00125	PASS	
								20	-1.95	-0.0023	PASS	
								30	-2.49	-0.00294	PASS	
								40	-3.32	-0.00391	PASS	
								50	-1.12	-0.00132	PASS	
								LCH	VN			
			-20	-2.47		-0.00299	PASS					
			-10	-2.49		-0.00302	PASS					
			0	-4.71		-0.00571	PASS					
			10	-1.54		-0.00187	PASS					
			20	-1.83		-0.00222	PASS					
		30	-1.89	-0.00229		PASS						
		40	-2.78	-0.00337		PASS						
		50	-1.04	-0.00126		PASS						
		MCH	VN									
								-20	0.79		0.00094	PASS
					-10			0.89	0.00106		PASS	
					0			1.62	0.00194		PASS	
					10			-0.23	-0.00027		PASS	
					20			0.97	0.00116		PASS	
					30			1.03	0.00123		PASS	
					40			2.07	0.00247		PASS	
					50			2.16	0.00258		PASS	
					HCH			VN				
		-20	0.43			0.00051	PASS					
		-10	-0.66			-0.00078	PASS					
		0	-1.14			-0.00135	PASS					
		10	1.79			0.00211	PASS					
		20	0.31			0.00037	PASS					
		30	-2.56			-0.00302	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-2.76	-0.00326	PASS
					50	-0.39	-0.00046	PASS
		5	LCH	VN	-30	-0.86	-0.00104	PASS
					-20	-1.89	-0.00229	PASS
					-10	-2.03	-0.00246	PASS
					0	-0.4	-0.00048	PASS
					10	-1.02	-0.00123	PASS
					20	1.2	0.00145	PASS
					30	-1.54	-0.00186	PASS
					40	0.16	0.00019	PASS
					50	-1.49	-0.0018	PASS
					MCH	VN	-30	3.32
			-20	1.43			0.00171	PASS
			-10	1.16			0.00139	PASS
			0	0.53			0.00063	PASS
			10	0.16			0.00019	PASS
			20	-0.16			-0.00019	PASS
			30	0.49			0.00059	PASS
			40	0.17			0.0002	PASS
			HCH	VN	-30	-1.82	-0.00215	PASS
		-20			-2.13	-0.00252	PASS	
		-10			-1.07	-0.00126	PASS	
		0			-1.9	-0.00224	PASS	
		10			-2.12	-0.0025	PASS	
		20			-1.65	-0.00195	PASS	
		30			-2.55	-0.00301	PASS	
		10	LCH	VN	-30	-0.39	-0.00047	PASS
					-20	0.72	0.00087	PASS
					-10	0.57	0.00069	PASS
					0	0.73	0.00088	PASS
					10	0.77	0.00093	PASS
					20	0.26	0.00031	PASS
					30	1.13	0.00136	PASS
40	2.19				0.00264	PASS		
50	1.96				0.00236	PASS		
MCH	VN		-30	0.64	0.00077	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					-20	0.56	0.00067	PASS			
					-10	-0.33	-0.00039	PASS			
					0	0.3	0.00036	PASS			
					10	0.59	0.00071	PASS			
					20	0.84	0.001	PASS			
					30	0.16	0.00019	PASS			
					40	1.53	0.00183	PASS			
					50	2.12	0.00253	PASS			
			HCH	VN				-30	0.5	0.00059	PASS
								-20	-0.43	-0.00051	PASS
								-10	0.44	0.00052	PASS
								0	1.02	0.00121	PASS
								10	-0.16	-0.00019	PASS
								20	0.49	0.00058	PASS
								30	2.42	0.00287	PASS
								40	-0.09	-0.00011	PASS
			LCH	VN				-30	-1.19	-0.00143	PASS
								-20	-2.2	-0.00265	PASS
								-10	-3.02	-0.00363	PASS
								0	-2.49	-0.00299	PASS
		10						-2.68	-0.00322	PASS	
		20						-2.59	-0.00311	PASS	
		30						-3.29	-0.00396	PASS	
		40						-3.18	-0.00382	PASS	
		MCH	VN	15			-30	0.94	0.00112	PASS	
							-20	0.46	0.00055	PASS	
							-10	0.93	0.00111	PASS	
							0	1.5	0.00179	PASS	
							10	-0.11	-0.00013	PASS	
							20	0.07	0.00008	PASS	
							30	1.16	0.00139	PASS	
							40	0.7	0.00084	PASS	
		HCH	VN	15			-30	-0.16	-0.00019	PASS	
							-20	-2.59	-0.00308	PASS	
							-10	-2	-0.00238	PASS	
							0	-1.27	-0.00151	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	VN	10	-1.36	-0.00162	PASS
					20	-0.79	-0.00094	PASS
					30	-0.72	-0.00086	PASS
					40	0.09	0.00011	PASS
					50	-1.82	-0.00216	PASS
			-30		-2.75	-0.00333	PASS	
			-20		-2.13	-0.00258	PASS	
			-10		-2.73	-0.00331	PASS	
			0		1.13	0.00137	PASS	
			10		-1.67	-0.00202	PASS	
			20		-0.64	-0.00078	PASS	
			30		-1.63	-0.00198	PASS	
			40		-1.2	-0.00146	PASS	
			50		-1.93	-0.00234	PASS	
			MCH		VN	-30	0.37	0.00044
	-20	-0.63		-0.00075		PASS		
	-10	-0.63		-0.00075		PASS		
	0	-0.2		-0.00024		PASS		
	10	1.16		0.00139		PASS		
	20	-0.53		-0.00063		PASS		
	30	1.32		0.00158		PASS		
	40	1.66		0.00198		PASS		
	50	2.9		0.00347		PASS		
	HCH	VN		-30		-2.89	-0.00341	PASS
			-20	-1.26	-0.00149	PASS		
			-10	-3.13	-0.00369	PASS		
			0	-0.7	-0.00083	PASS		
			10	-1.96	-0.00231	PASS		
			20	-0.99	-0.00117	PASS		
			30	-2.65	-0.00312	PASS		
			40	-1.34	-0.00158	PASS		
	3	LCH	VN	-30	-0.5	-0.00061	PASS	
				-20	-1.49	-0.0018	PASS	
-10				-2.59	-0.00314	PASS		
0				-4.16	-0.00504	PASS		
10				-2.32	-0.00281	PASS		
20				-0.23	-0.00028	PASS		
30				-2.35	-0.00285	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	-2.13	-0.00258	PASS	
					50	-2.99	-0.00362	PASS	
			MCH	VN	-30	-0.46	-0.00055	PASS	
					-20	0.43	0.00051	PASS	
					-10	1.07	0.00128	PASS	
					0	-1.03	-0.00123	PASS	
					10	0.76	0.00091	PASS	
					20	0.62	0.00074	PASS	
					30	-0.51	-0.00061	PASS	
					40	1.04	0.00124	PASS	
					50	1.26	0.00151	PASS	
					HCH	VN	-30	-1.85	-0.00218
			-20	-0.03			-0.00004	PASS	
			-10	0.09			0.00011	PASS	
			0	-0.96			-0.00113	PASS	
			10	-0.6			-0.00071	PASS	
			20	-0.86			-0.00101	PASS	
			30	-2.45			-0.00289	PASS	
		40	-1.46	-0.00172			PASS		
		5		LCH	VN	-30	0.54	0.00065	PASS
						-20	-2.37	-0.00287	PASS
						-10	-0.64	-0.00077	PASS
						0	-0.62	-0.00075	PASS
						10	-1.27	-0.00154	PASS
						20	-2.16	-0.00261	PASS
						30	-1.03	-0.00125	PASS
						40	-0.69	-0.00083	PASS
						50	-0.96	-0.00116	PASS
				MCH	VN	-30	2.63	0.00314	PASS
						-20	0.62	0.00074	PASS
						-10	1.07	0.00128	PASS
						0	1.42	0.0017	PASS
						10	0.07	0.00008	PASS
20	-0.7					-0.00084	PASS		
HCH	VN	30	0.51	0.00061	PASS				
		40	-0.01	-0.00001	PASS				
		50	0.72	0.00086	PASS				
			HCH	VN	-30	-0.7	-0.00083	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					-20	-1.89	-0.00223	PASS			
					-10	-2.06	-0.00243	PASS			
					0	-1.95	-0.0023	PASS			
					10	-15.95	-0.01884	PASS			
					20	-1.87	-0.00221	PASS			
					30	-3.63	-0.00429	PASS			
					40	6.54	0.00773	PASS			
					50	3.55	0.00419	PASS			
		10		LCH	VN	-30	1.27	0.00153	PASS		
						-20	0.73	0.00088	PASS		
						-10	0.34	0.00041	PASS		
						0	-0.24	-0.00029	PASS		
						10	0.94	0.00113	PASS		
						20	0.46	0.00055	PASS		
						30	0.77	0.00093	PASS		
						40	1.32	0.00159	PASS		
						50	0.56	0.00068	PASS		
						MCH	VN	-30	1.43	0.00171	PASS
								-20	0.56	0.00067	PASS
								-10	0.82	0.00098	PASS
				0	0.44			0.00053	PASS		
				10	1.12			0.00134	PASS		
				20	-0.2			-0.00024	PASS		
				30	0.13			0.00016	PASS		
				40	-0.21			-0.00025	PASS		
				HCH	VN	-30	0.79	0.00094	PASS		
						-20	0.54	0.00064	PASS		
						-10	0.29	0.00034	PASS		
						0	1.93	0.00229	PASS		
						10	0.07	0.00008	PASS		
						20	1.33	0.00158	PASS		
						30	-3.66	-0.00434	PASS		
		40	0.34			0.0004	PASS				
		50	1.09	0.00129	PASS						
		15		LCH	VN	-30	-2.49	-0.00299	PASS		
						-20	-1.4	-0.00168	PASS		
						-10	-3.08	-0.0037	PASS		
						0	-2.72	-0.00327	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-2.79	-0.00336	PASS
					20	-2.1	-0.00253	PASS
					30	-2.8	-0.00337	PASS
					40	-2.19	-0.00263	PASS
					50	-3.13	-0.00376	PASS
			MCH	VN	-30	0.87	0.00104	PASS
					-20	0.39	0.00047	PASS
					-10	1.27	0.00152	PASS
					0	0.6	0.00072	PASS
					10	1.44	0.00172	PASS
					20	-0.26	-0.00031	PASS
					30	0.93	0.00111	PASS
					40	0.83	0.00099	PASS
			HCH	VN	50	1.62	0.00194	PASS
					-30	-1.43	-0.0017	PASS
					-20	-0.96	-0.00114	PASS
					-10	-0.79	-0.00094	PASS
					0	-3.55	-0.00422	PASS
					10	-0.6	-0.00071	PASS
					20	-1.47	-0.00175	PASS
					30	-0.77	-0.00092	PASS
			40	-0.17	-0.0002	PASS		
			50	-2.05	-0.00244	PASS		

END