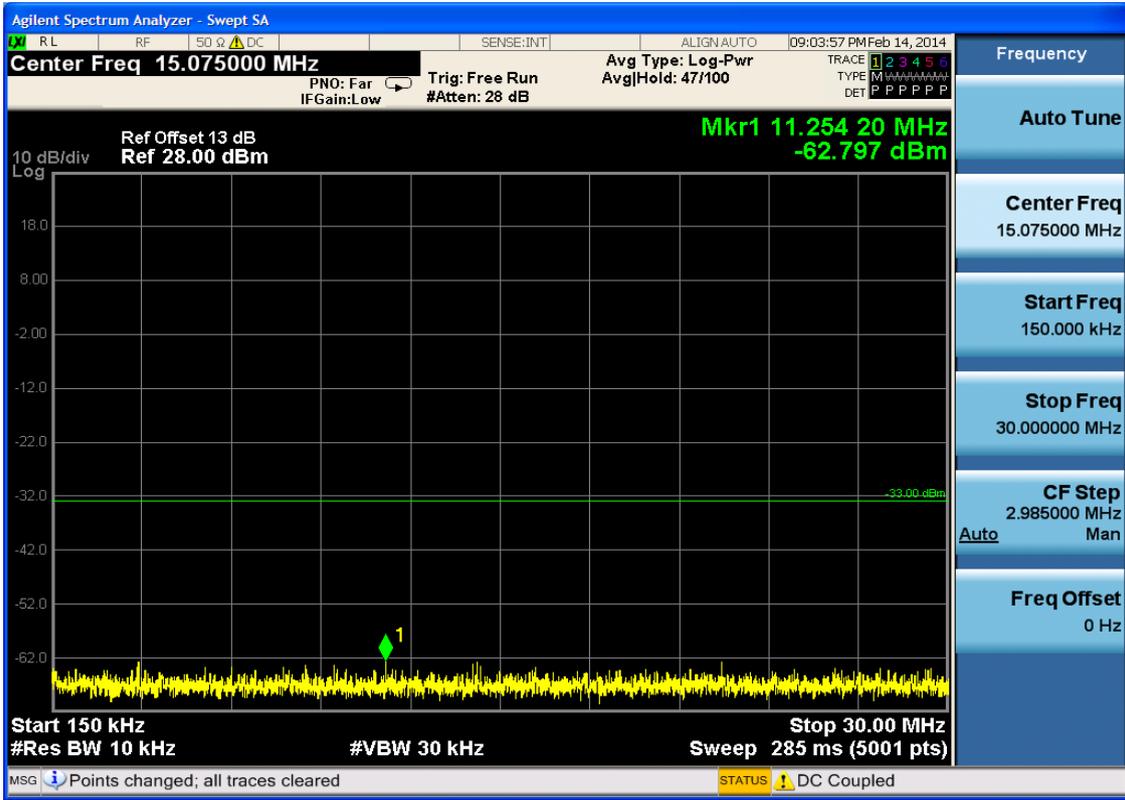




6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0

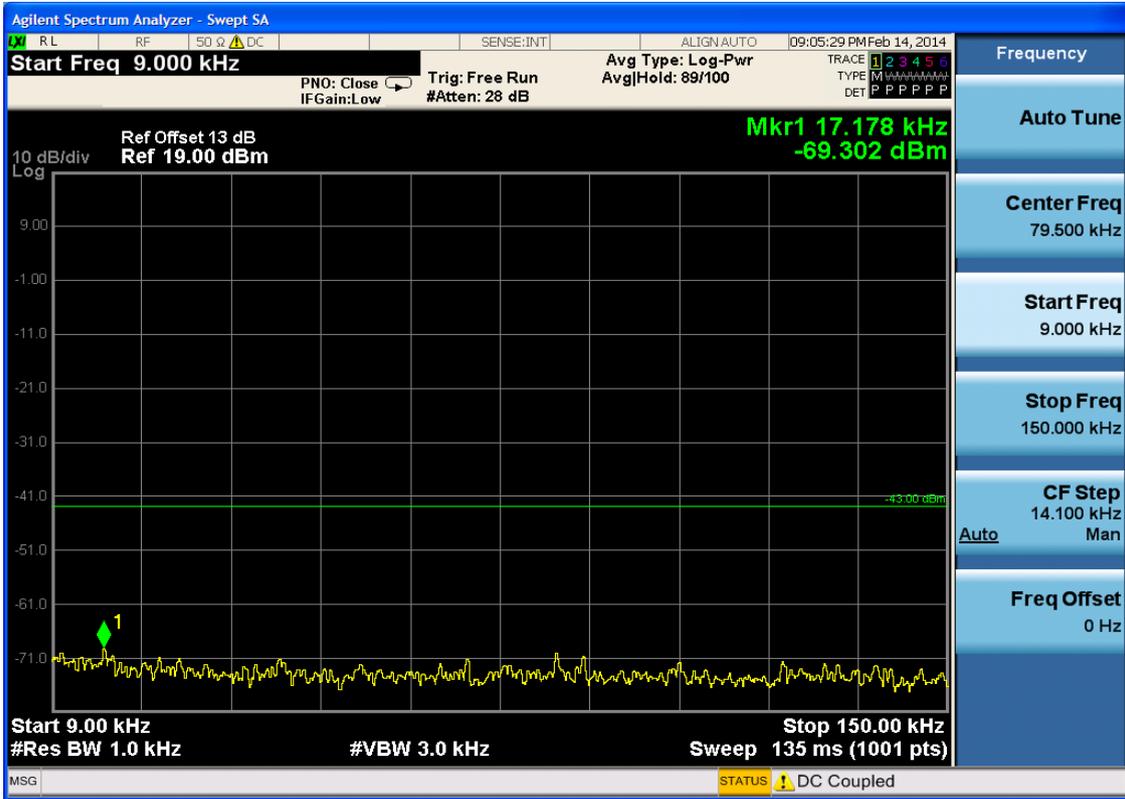


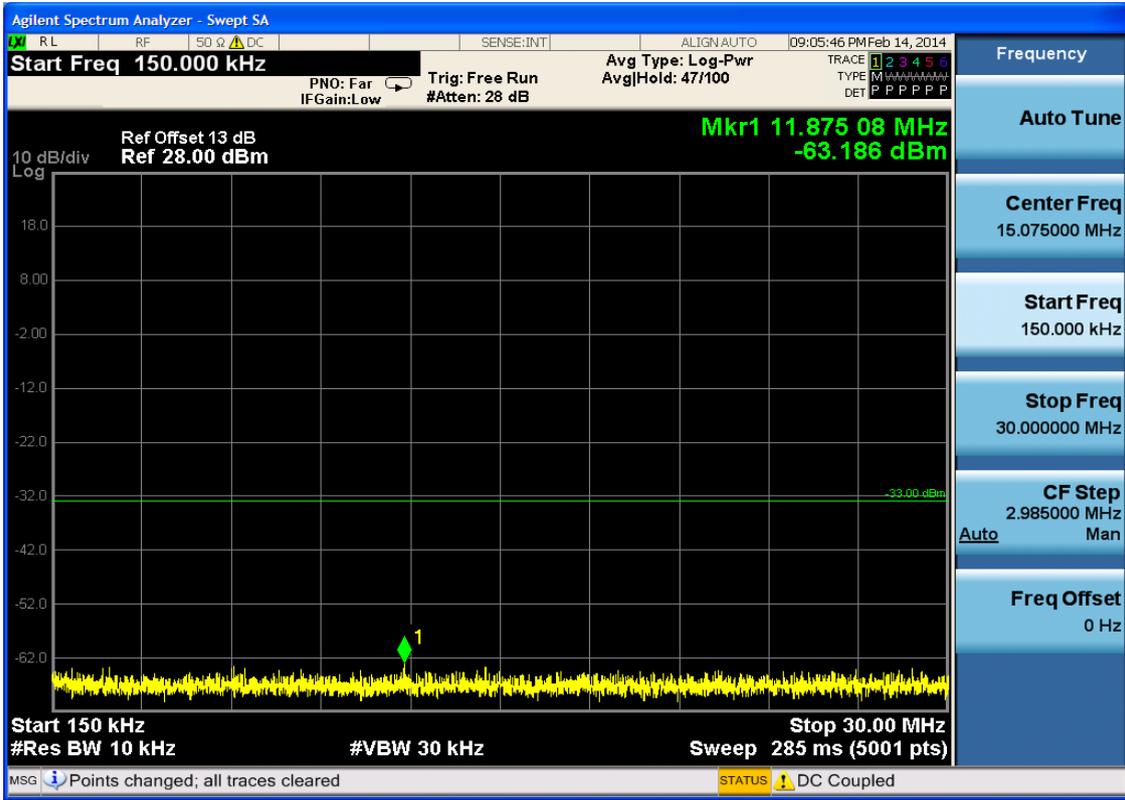




6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





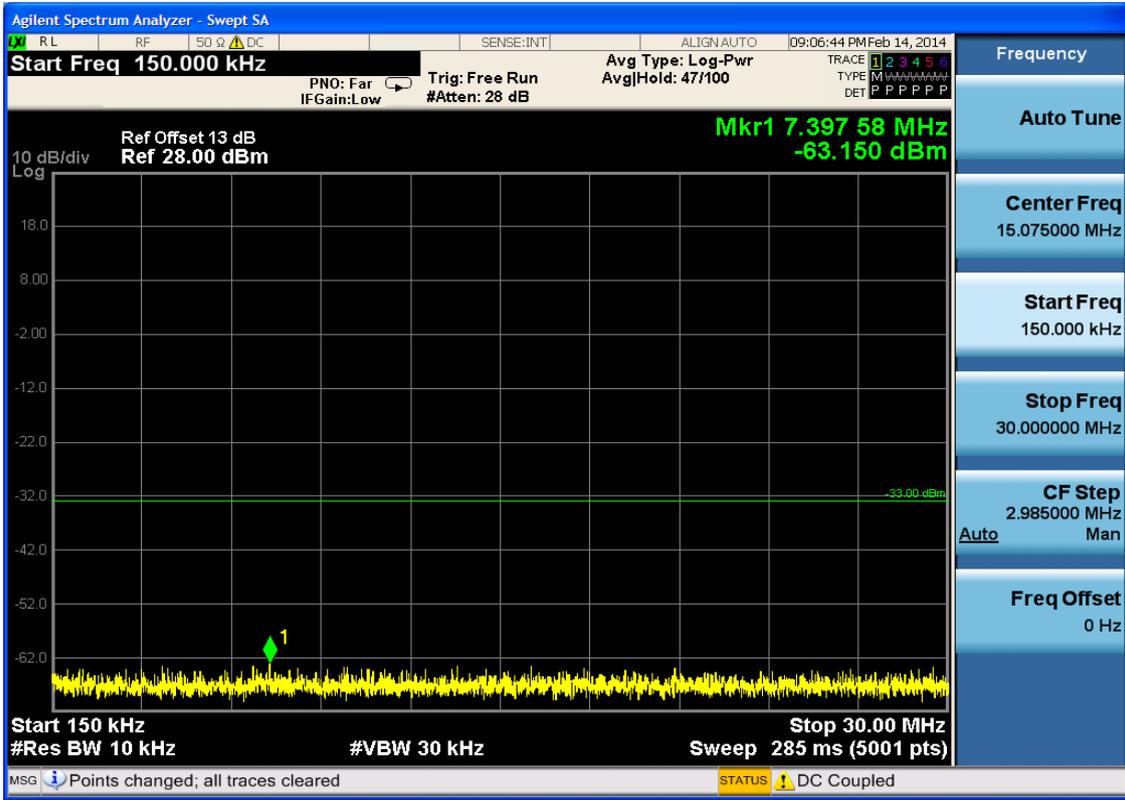


6.1.1.1.2 Test Bandwidth = 3

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0

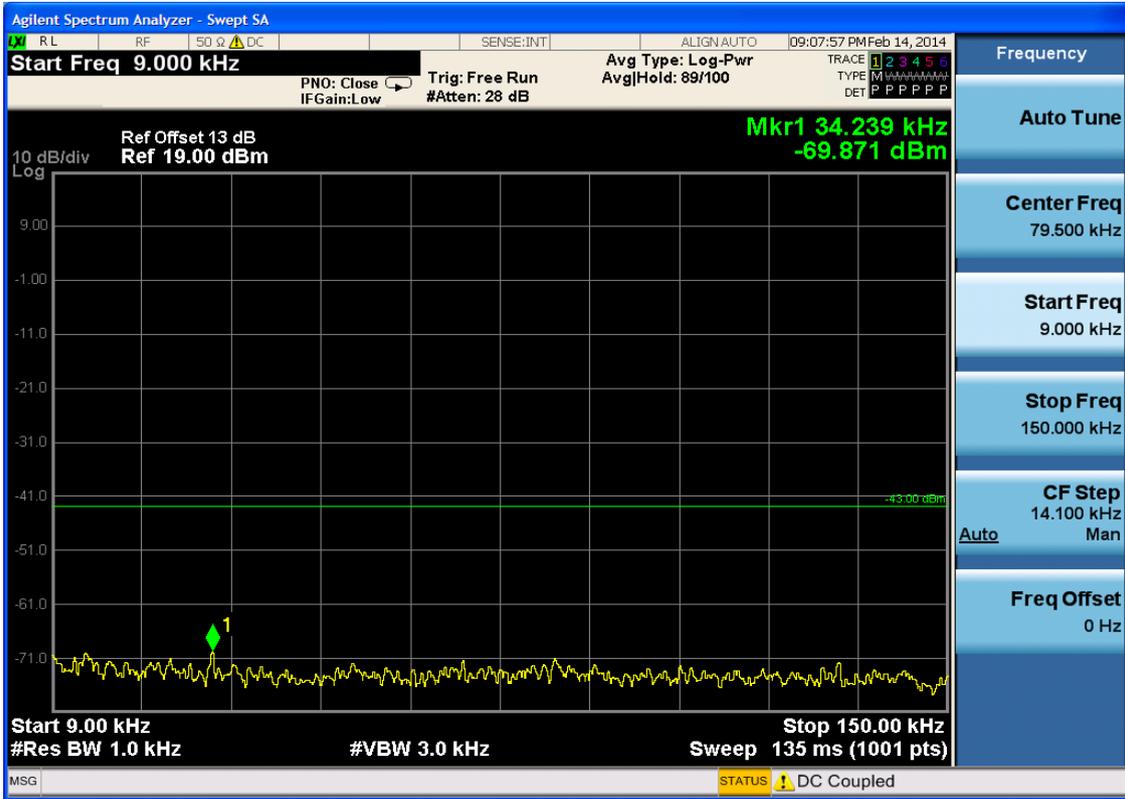


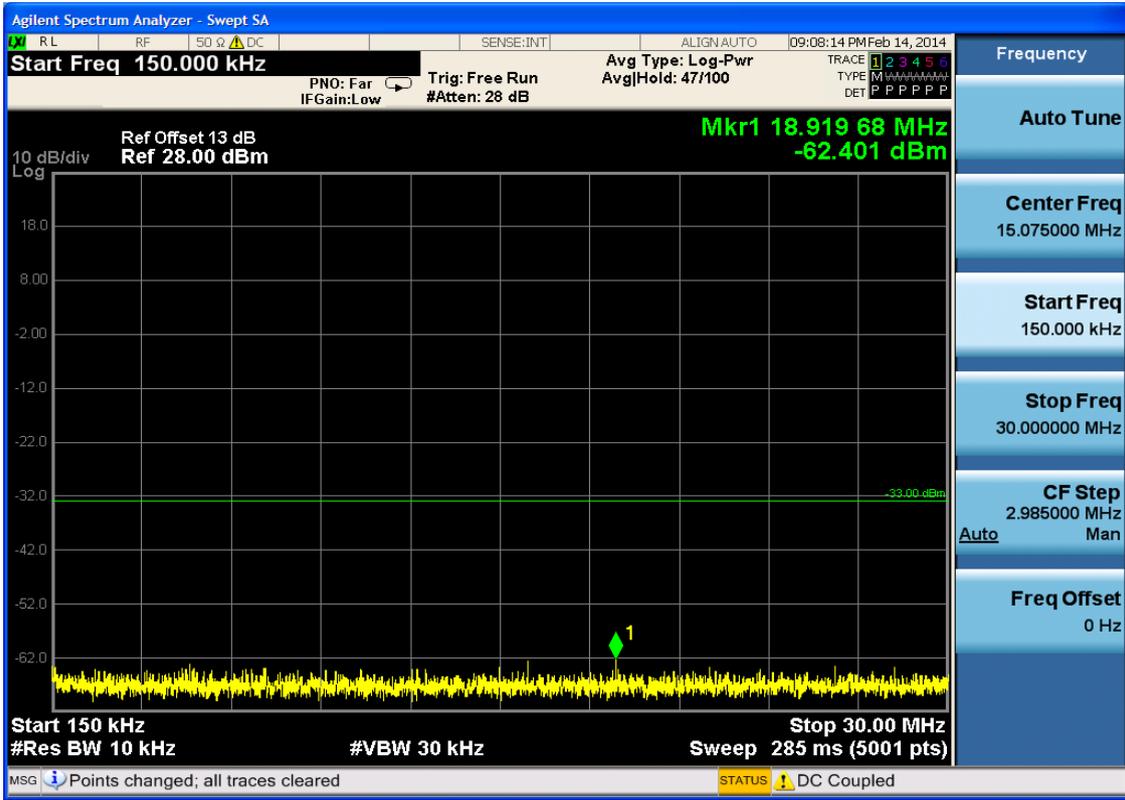




6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

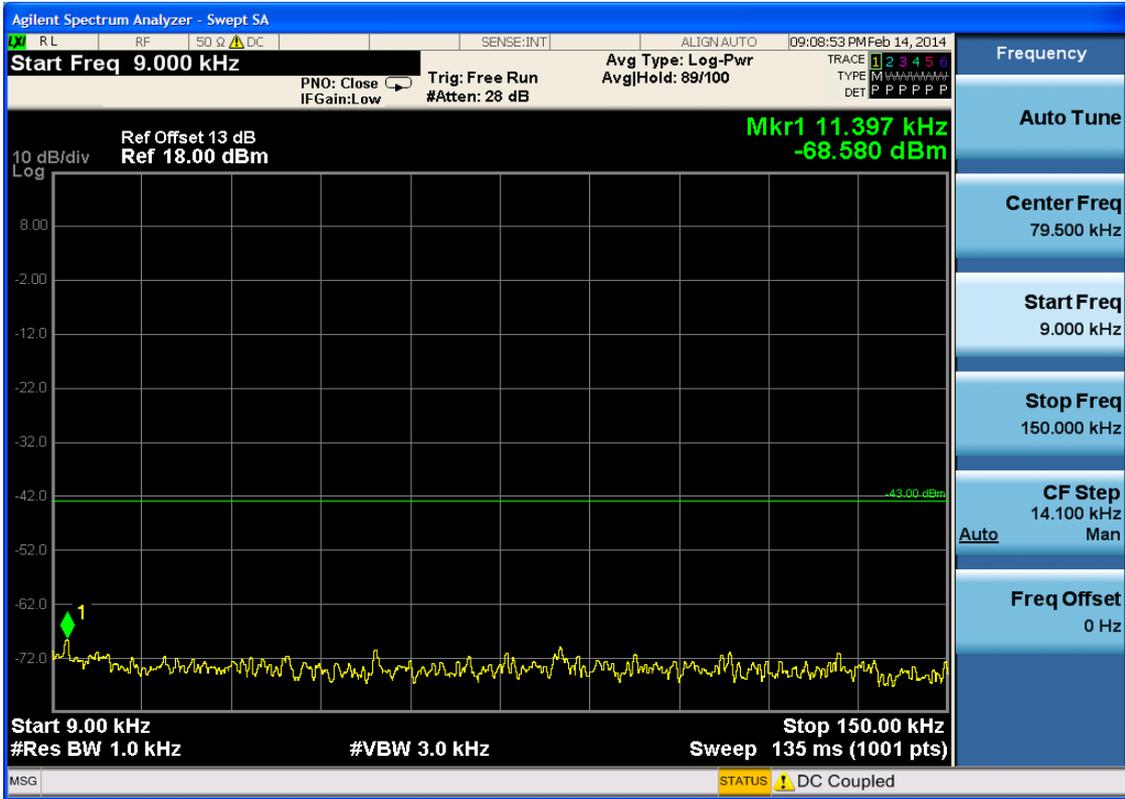






6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0









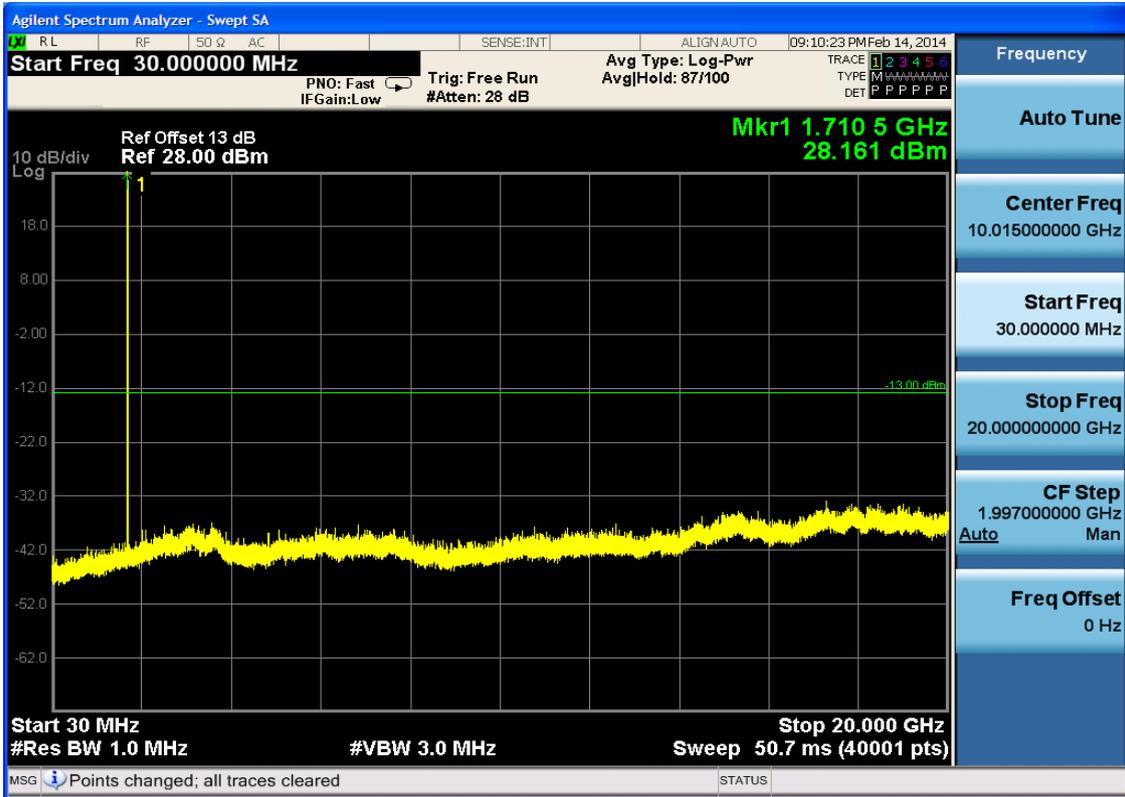
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

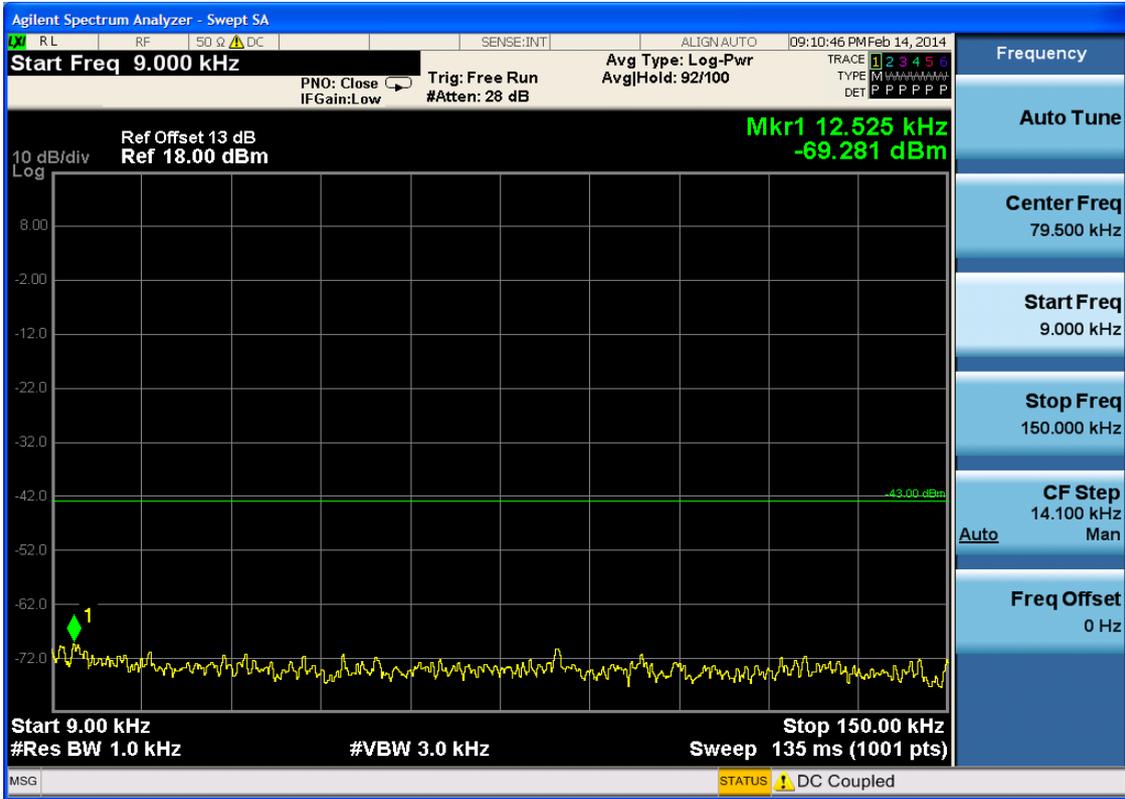


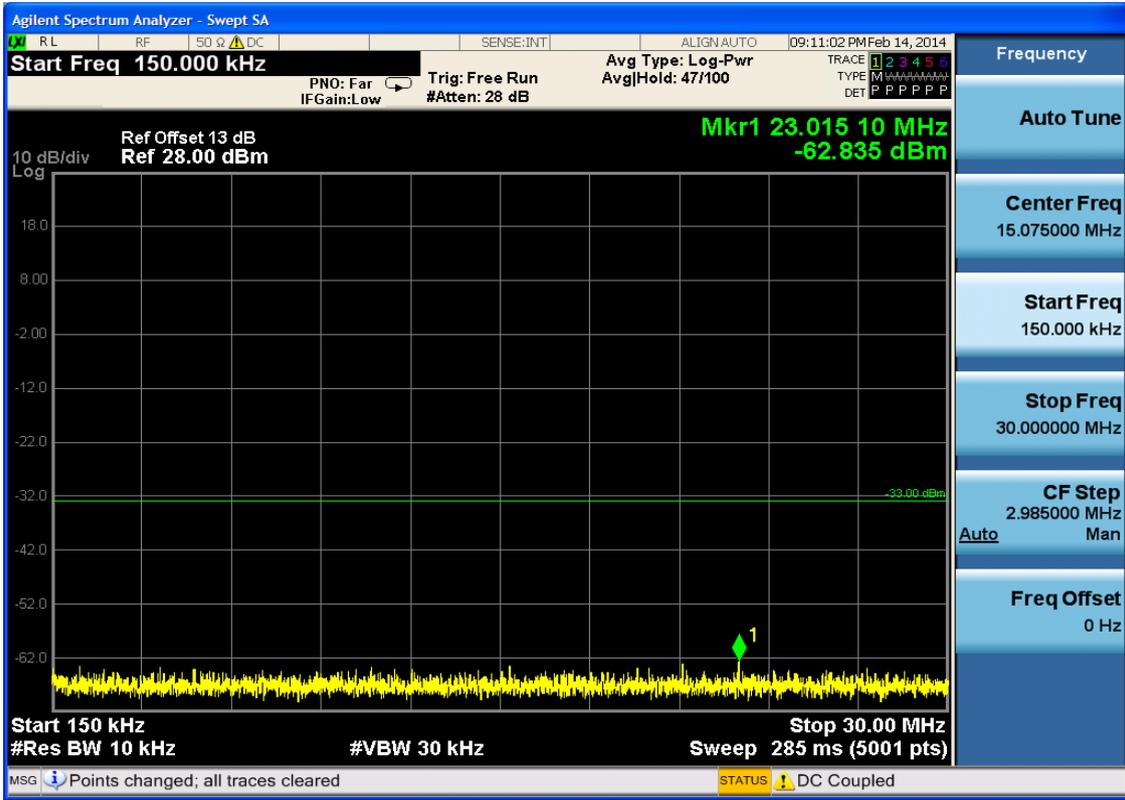




6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



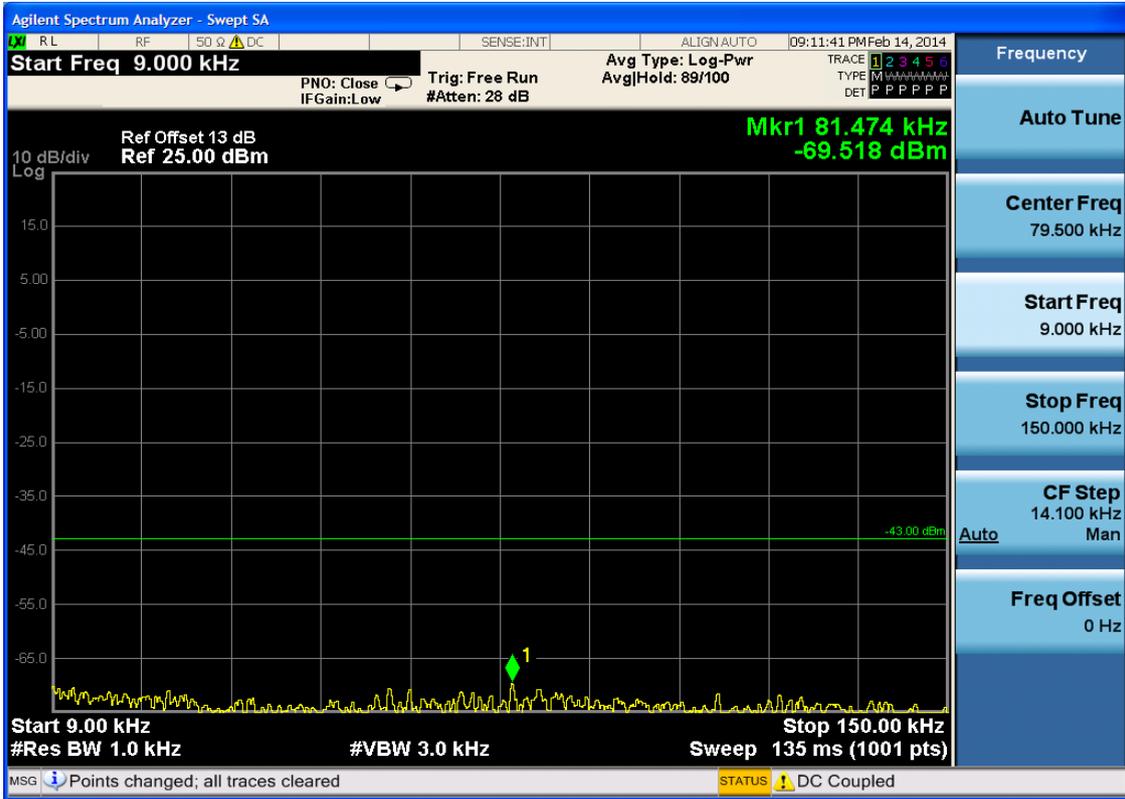


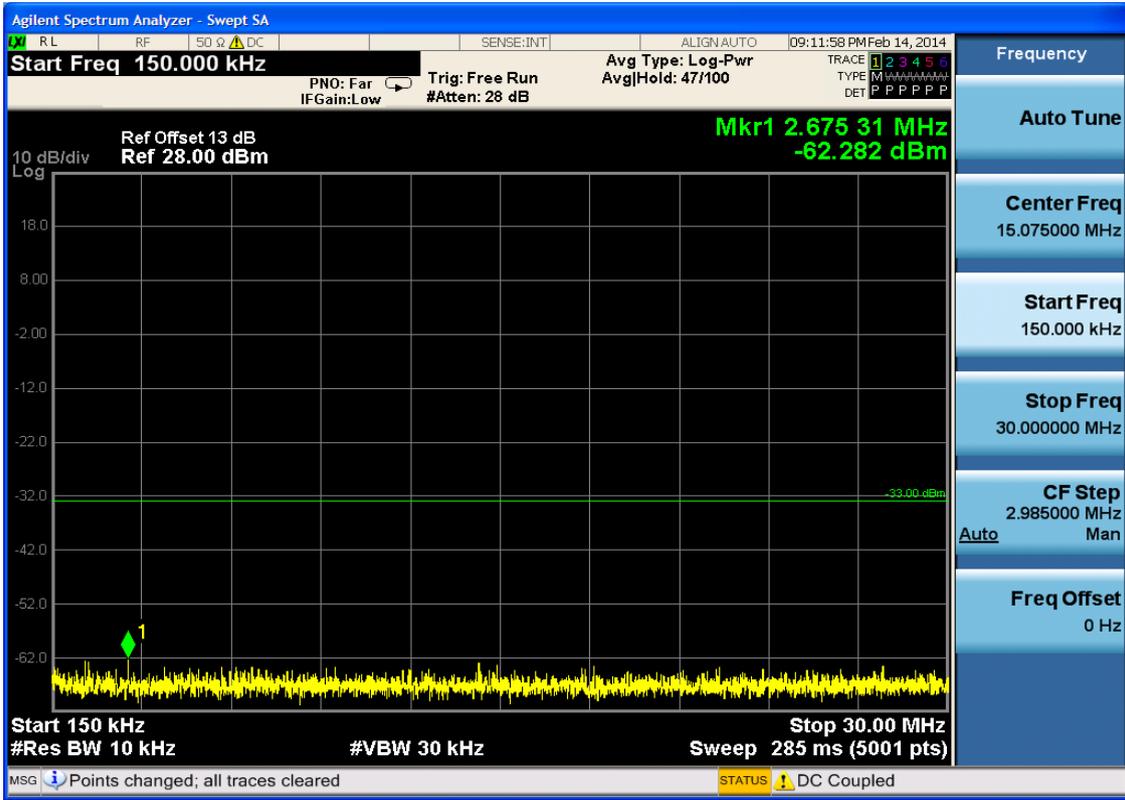




6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0









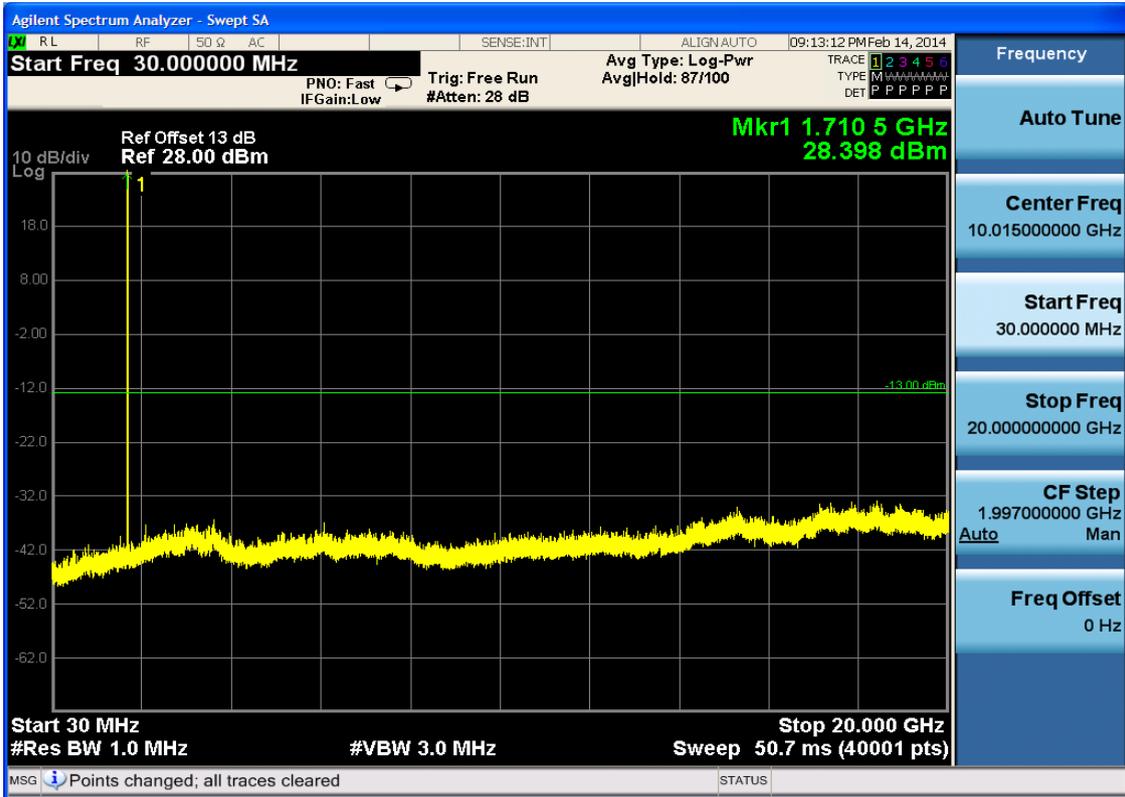
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

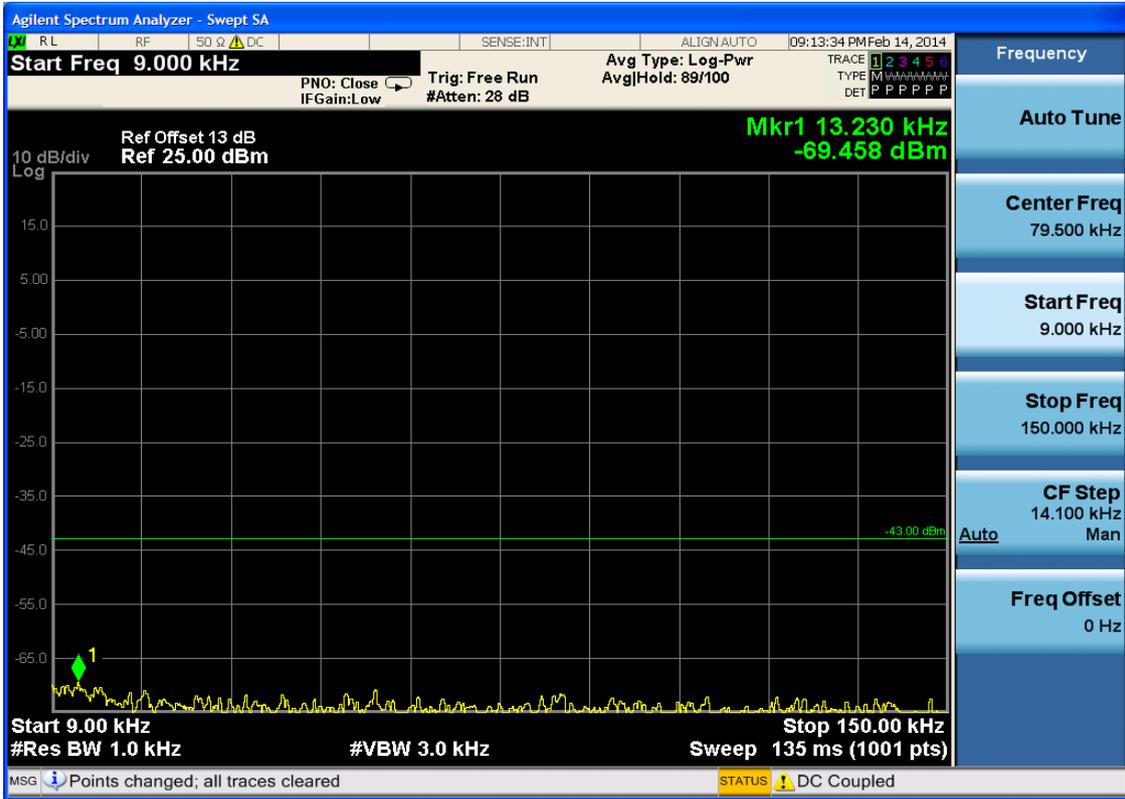






6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



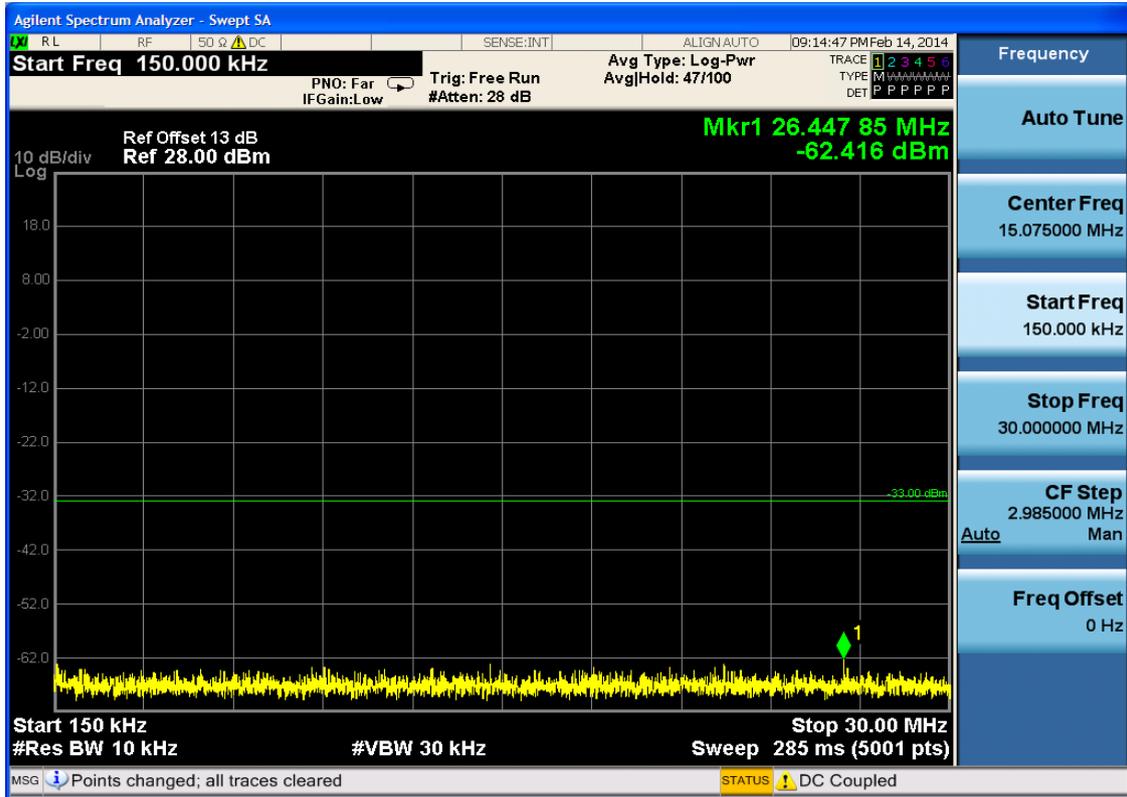




6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







6.1.1.1.5 Test Bandwidth = 15

6.1.1.1.5.1 Test Channel = LCH

6.1.1.1.5.1.1 Test RB = RB1#0



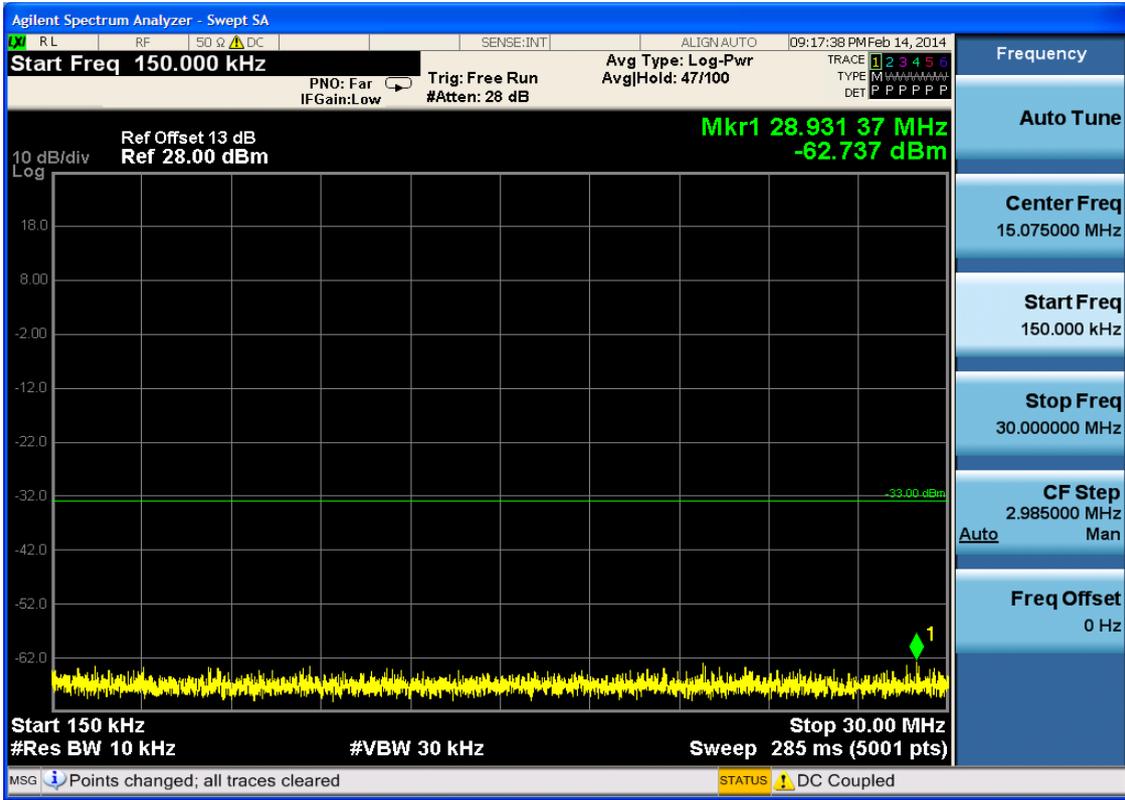


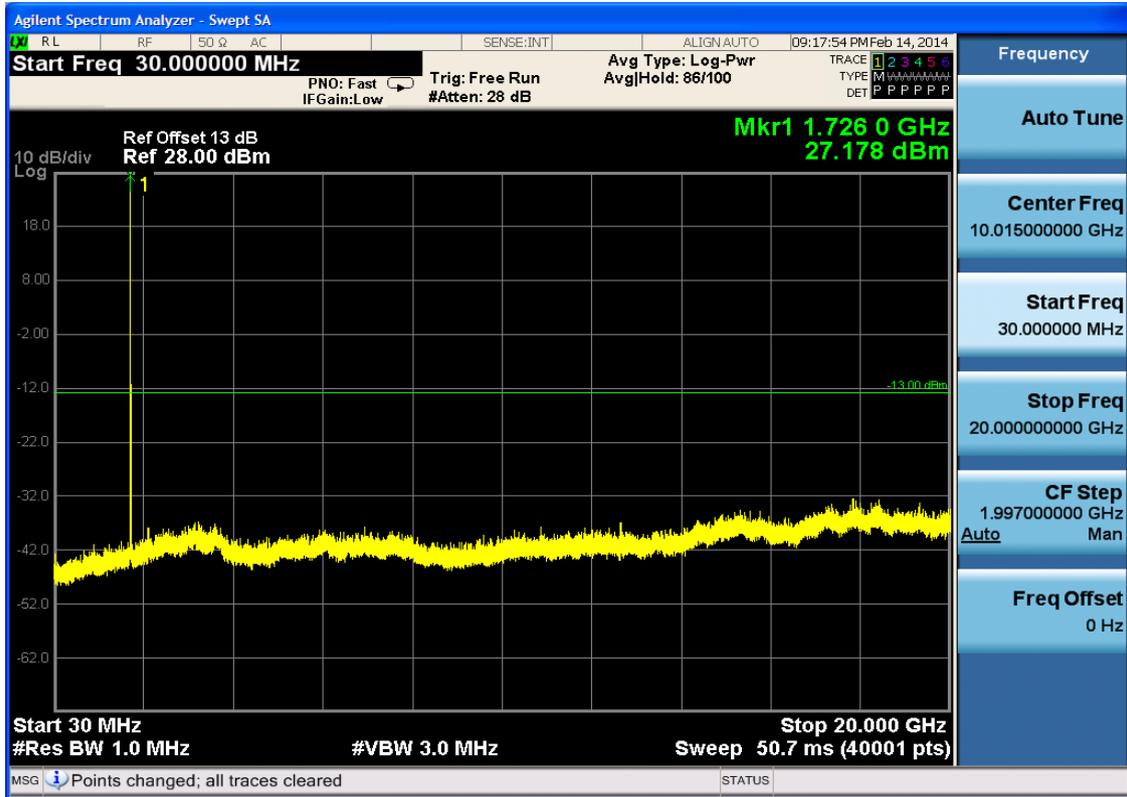


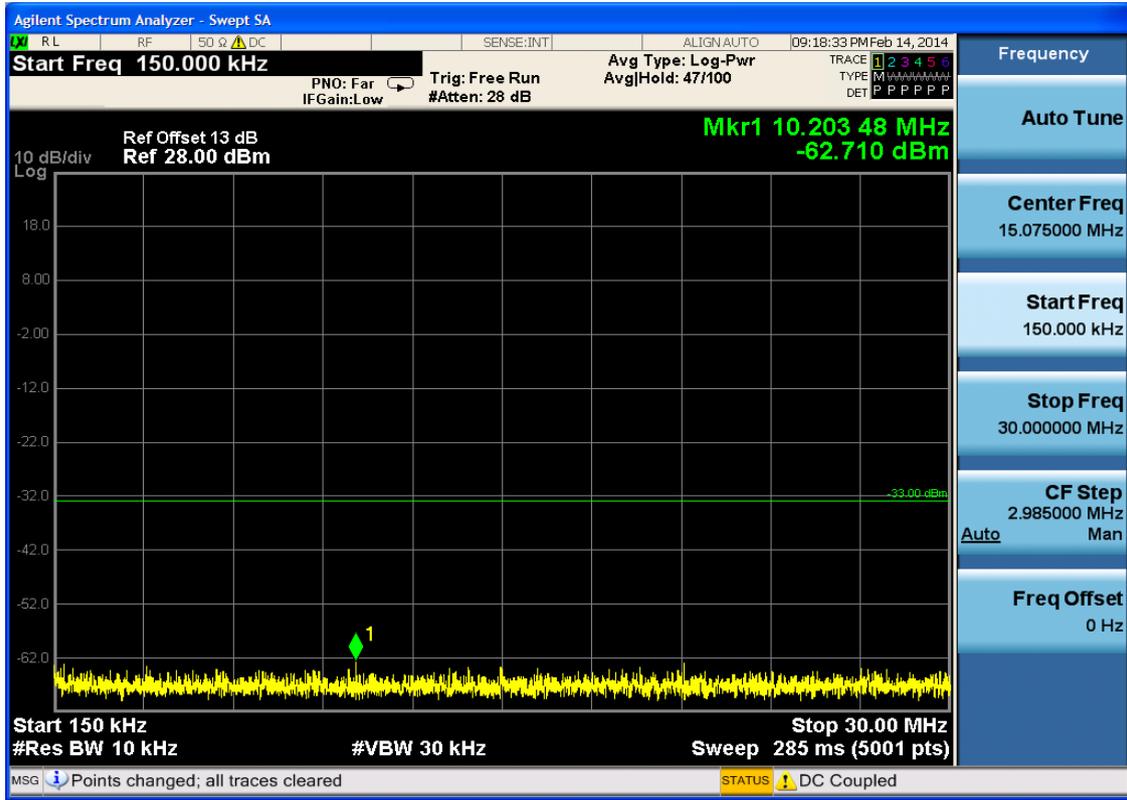
6.1.1.1.5.2 Test Channel = MCH

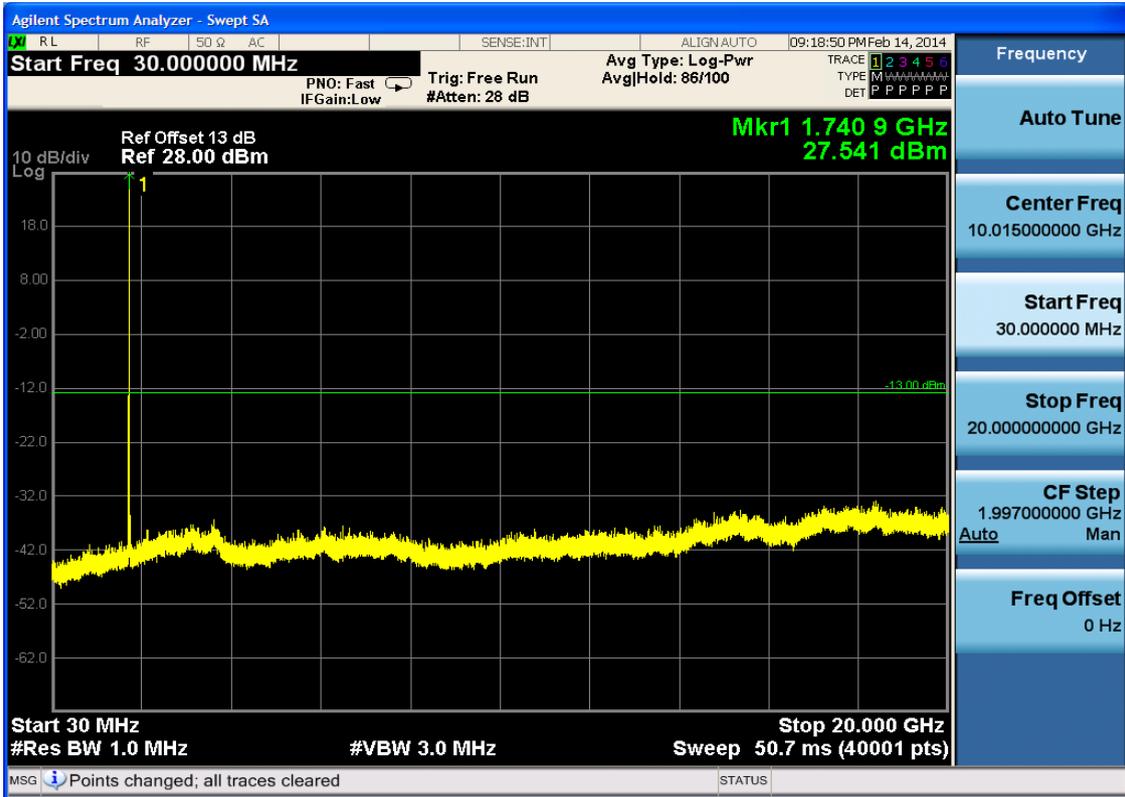
6.1.1.1.5.2.1 Test RB = RB1#0











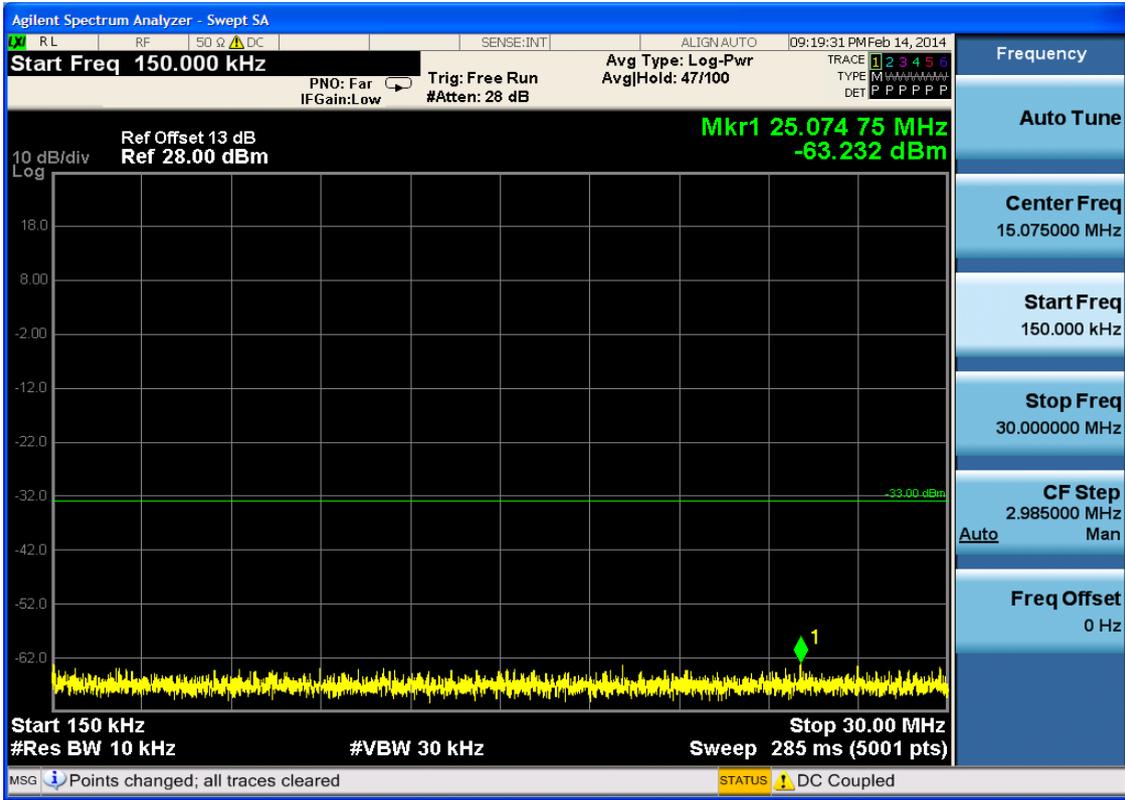


6.1.1.1.6 Test Bandwidth = 20

6.1.1.1.6.1 Test Channel = LCH

6.1.1.1.6.1.1 Test RB = RB1#0



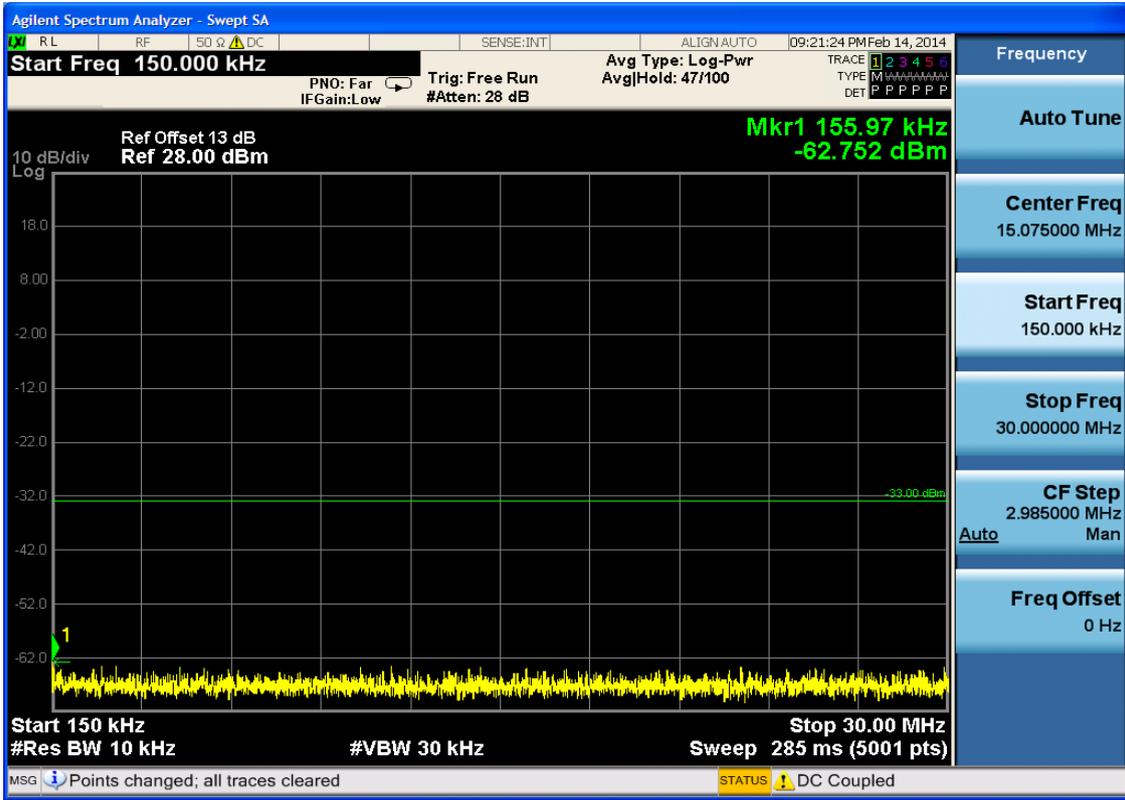


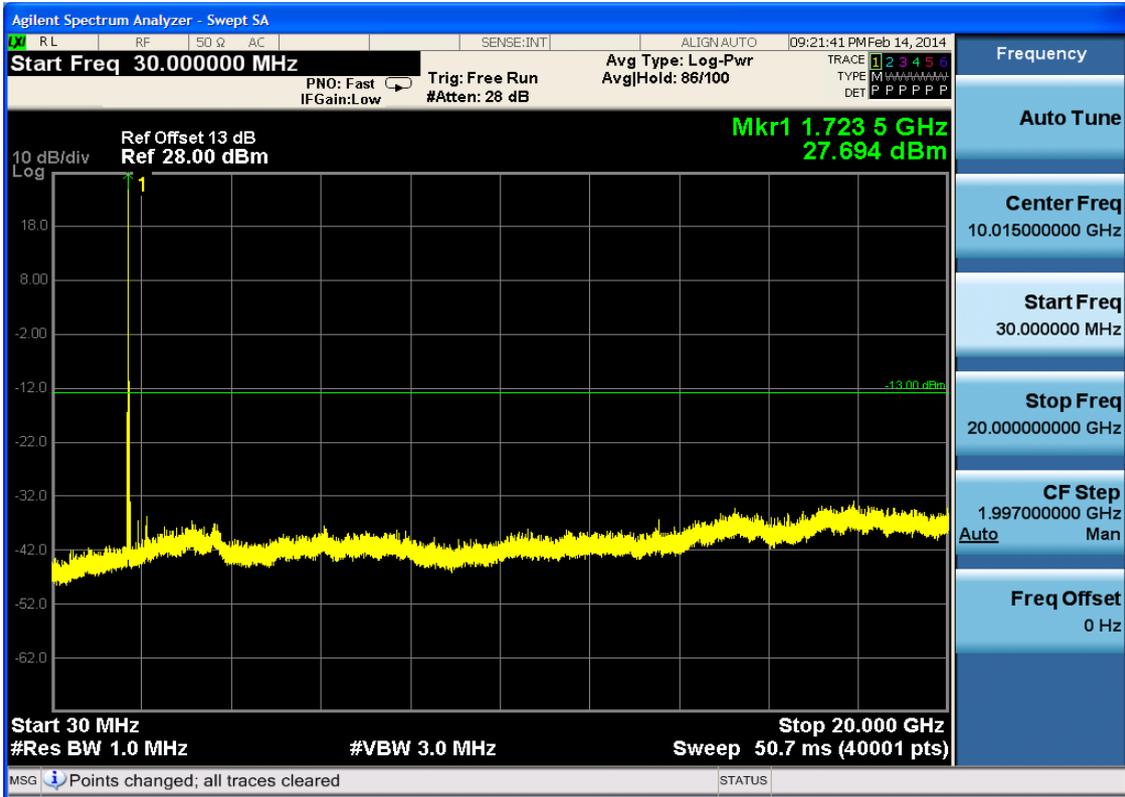


6.1.1.1.6.2 Test Channel = MCH

6.1.1.1.6.2.1 Test RB = RB1#0







6.1.1.1.6.3 Test Channel = HCH

6.1.1.1.6.3.1 Test RB = RB1#0







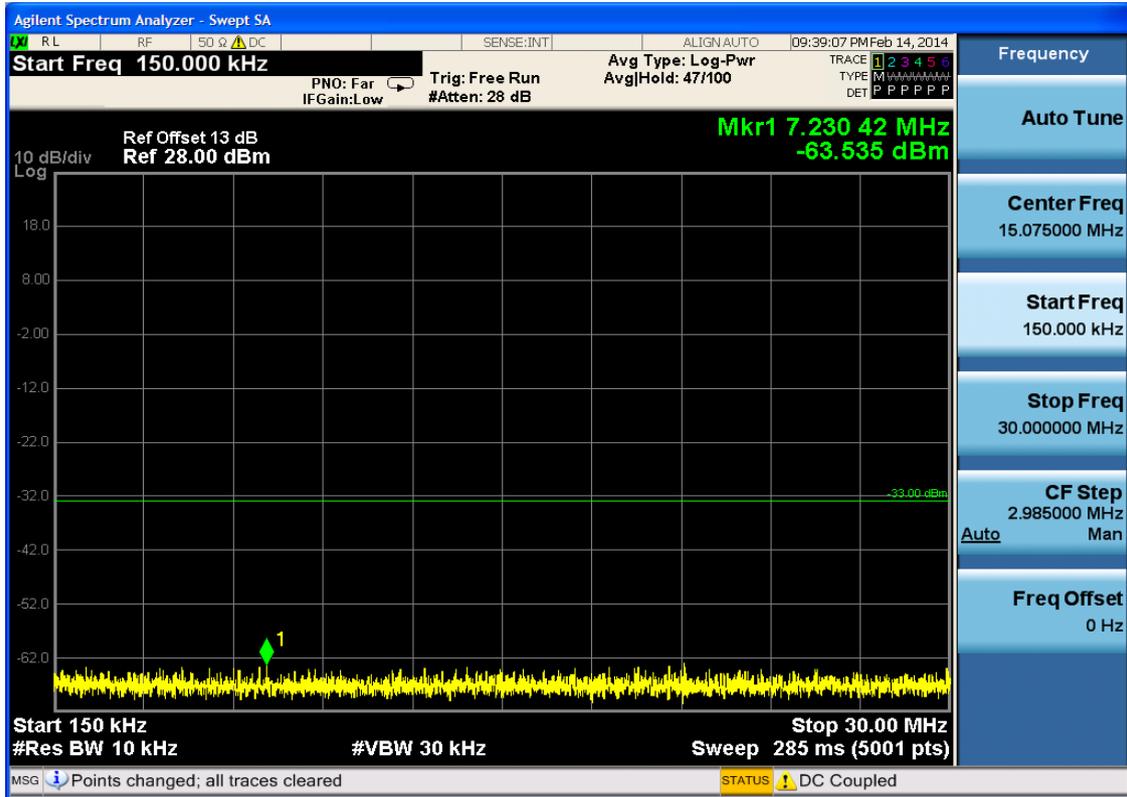
6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



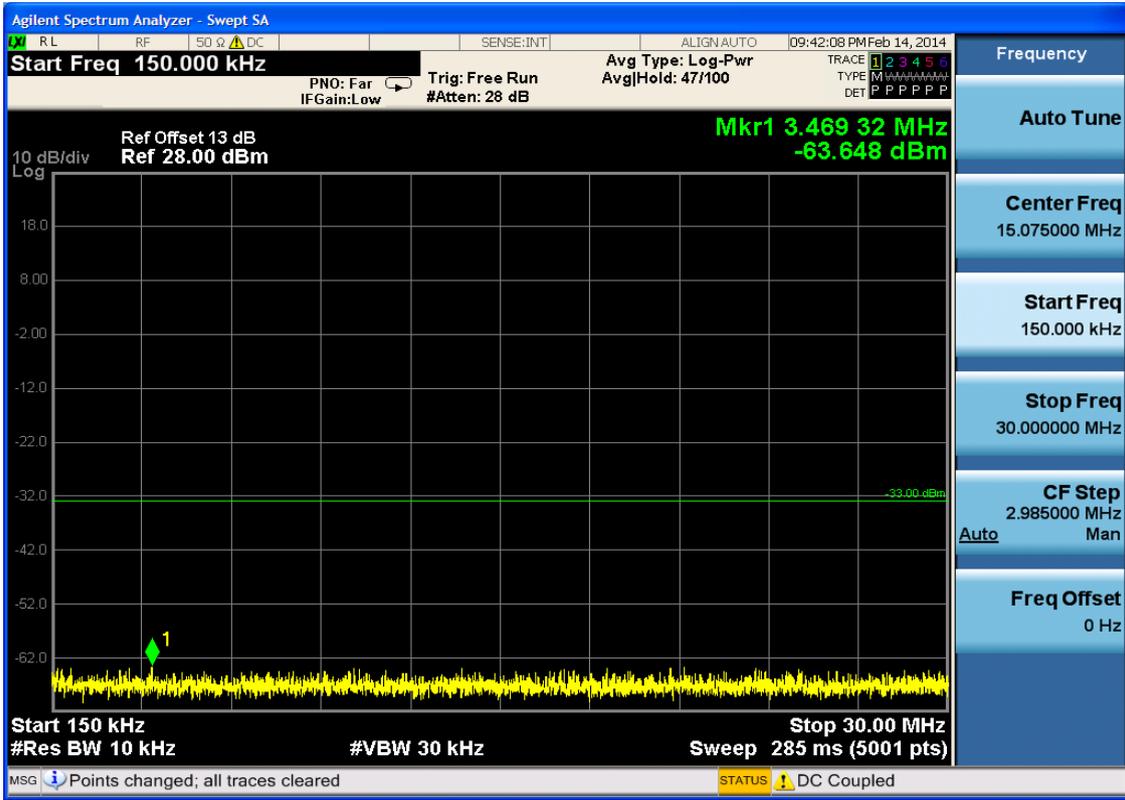




6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



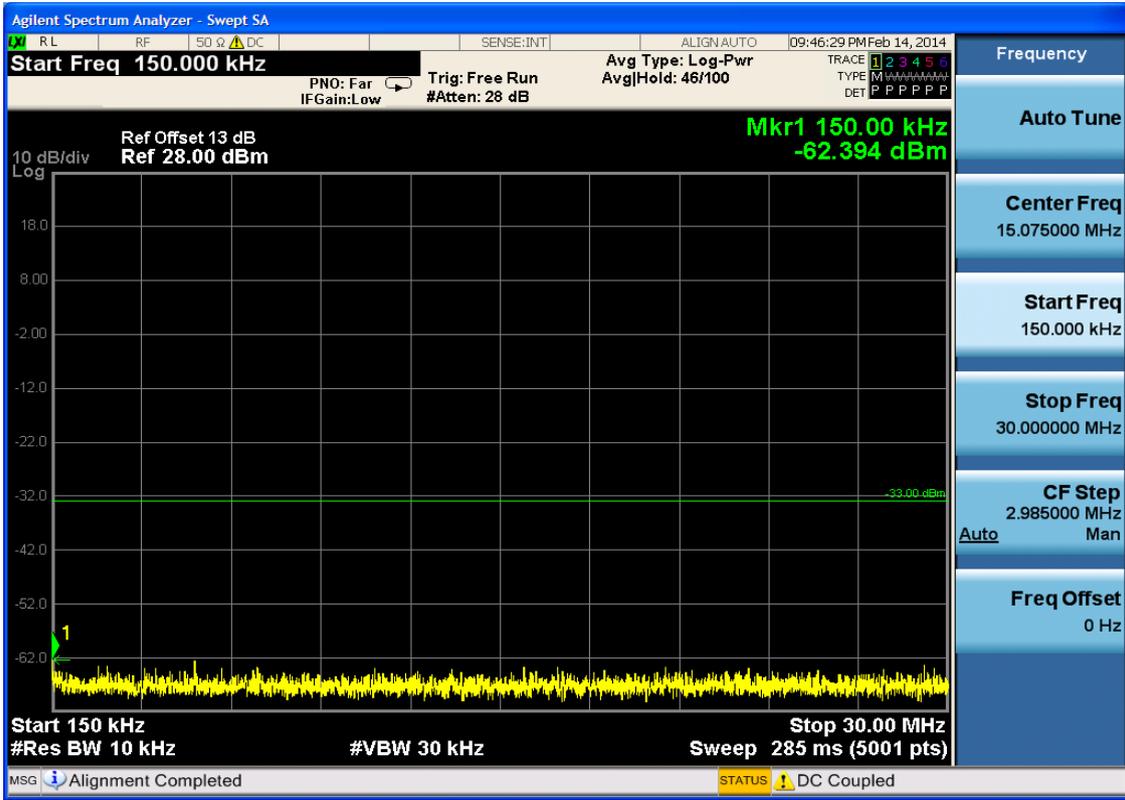




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







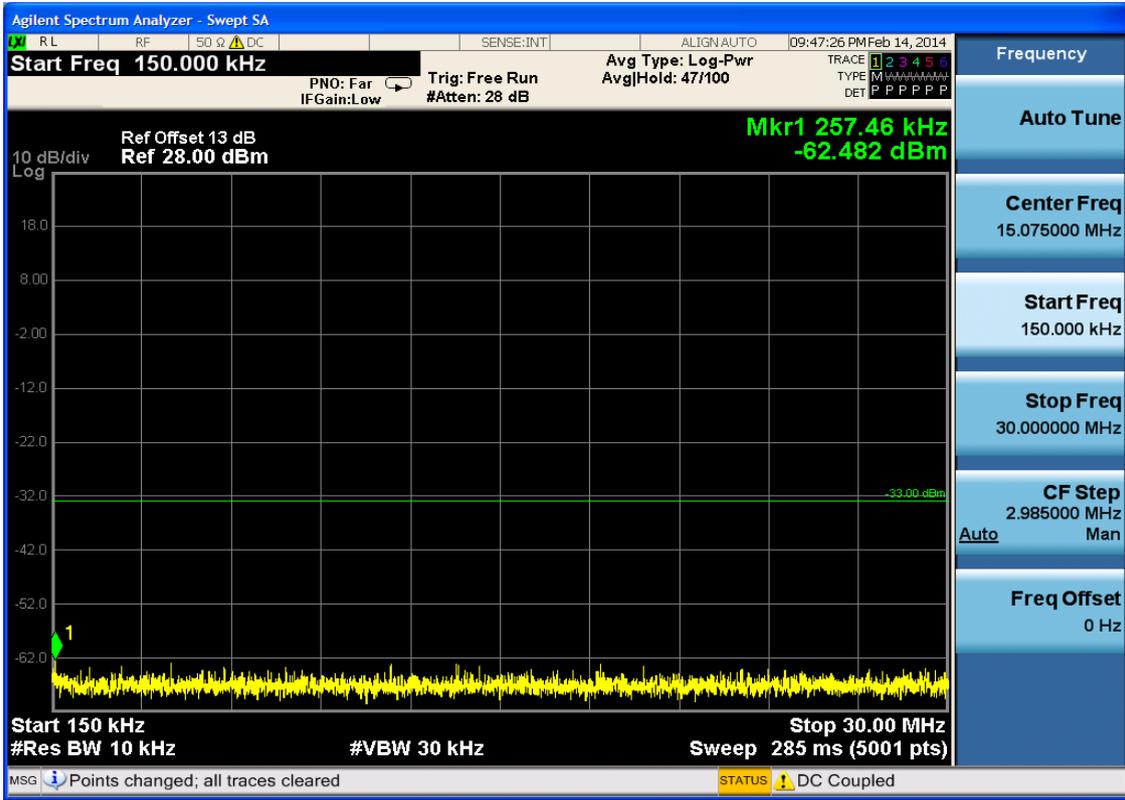


6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



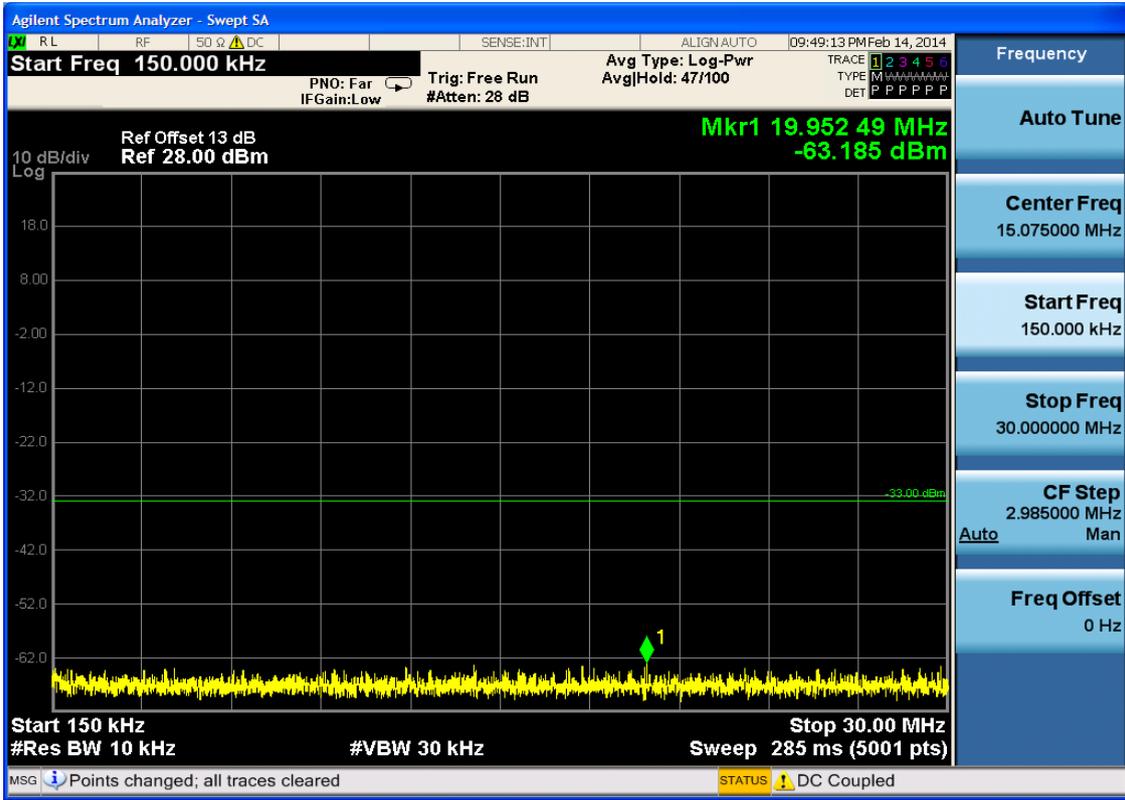




6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



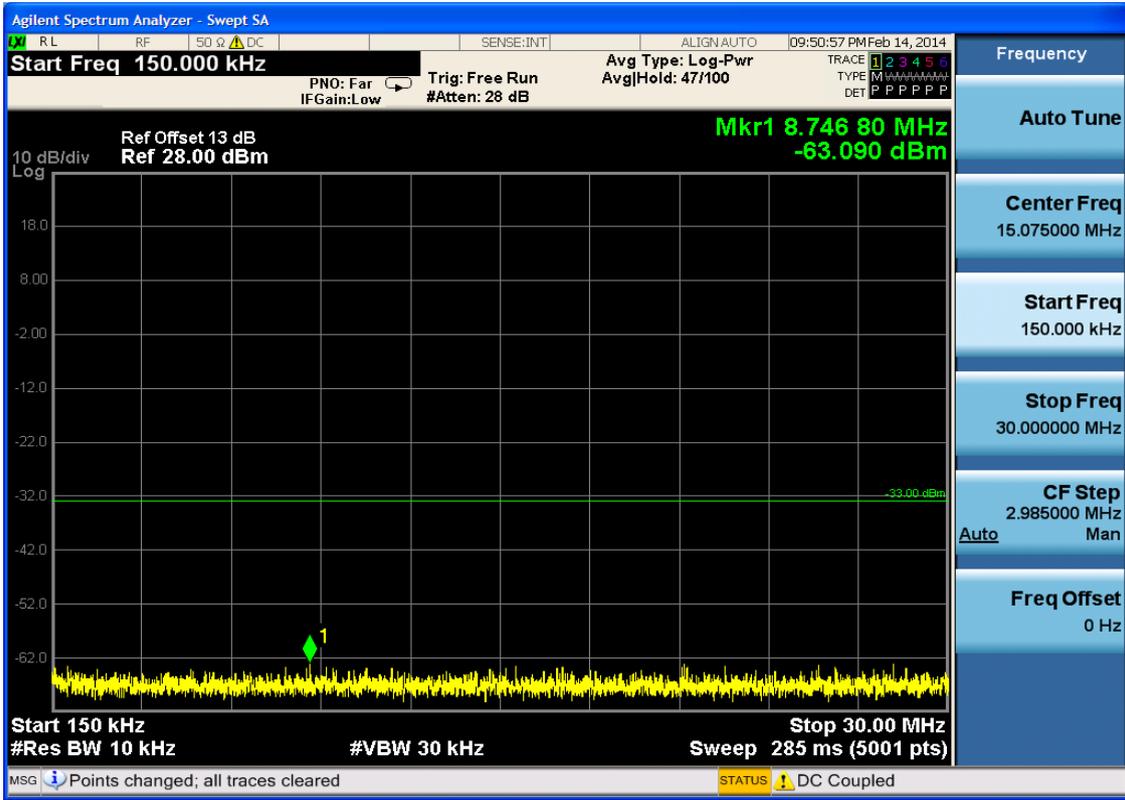


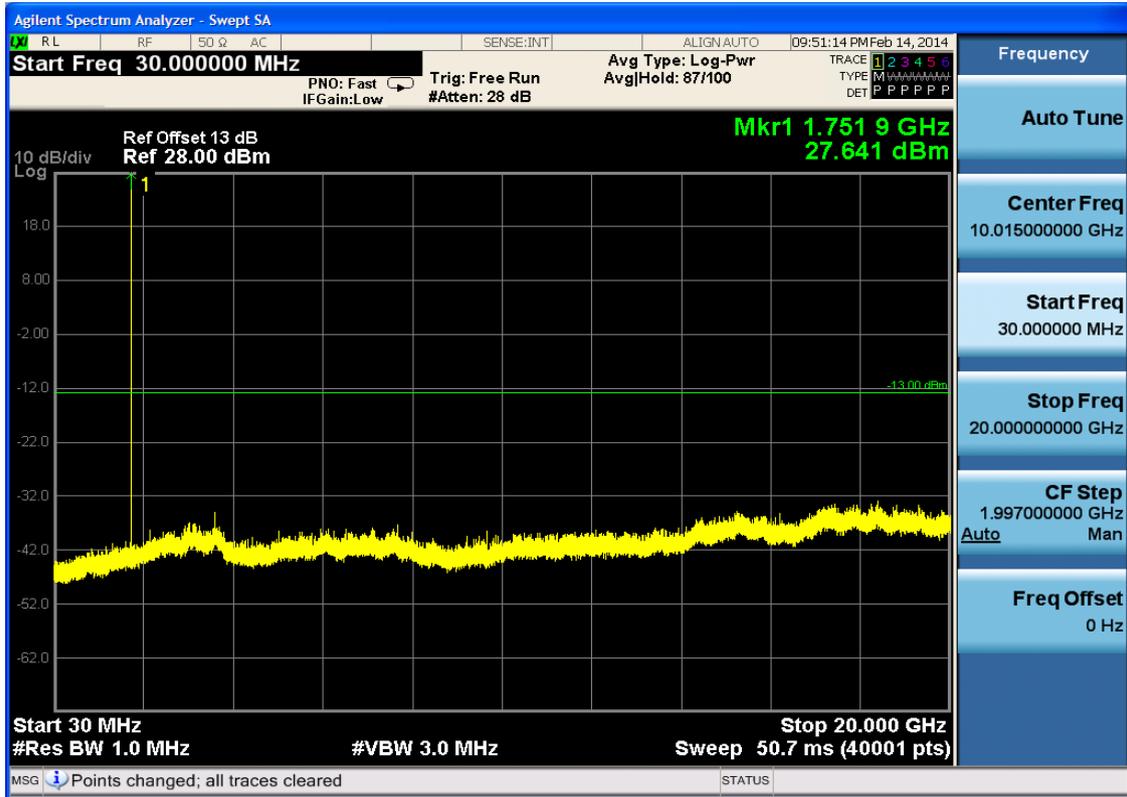


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







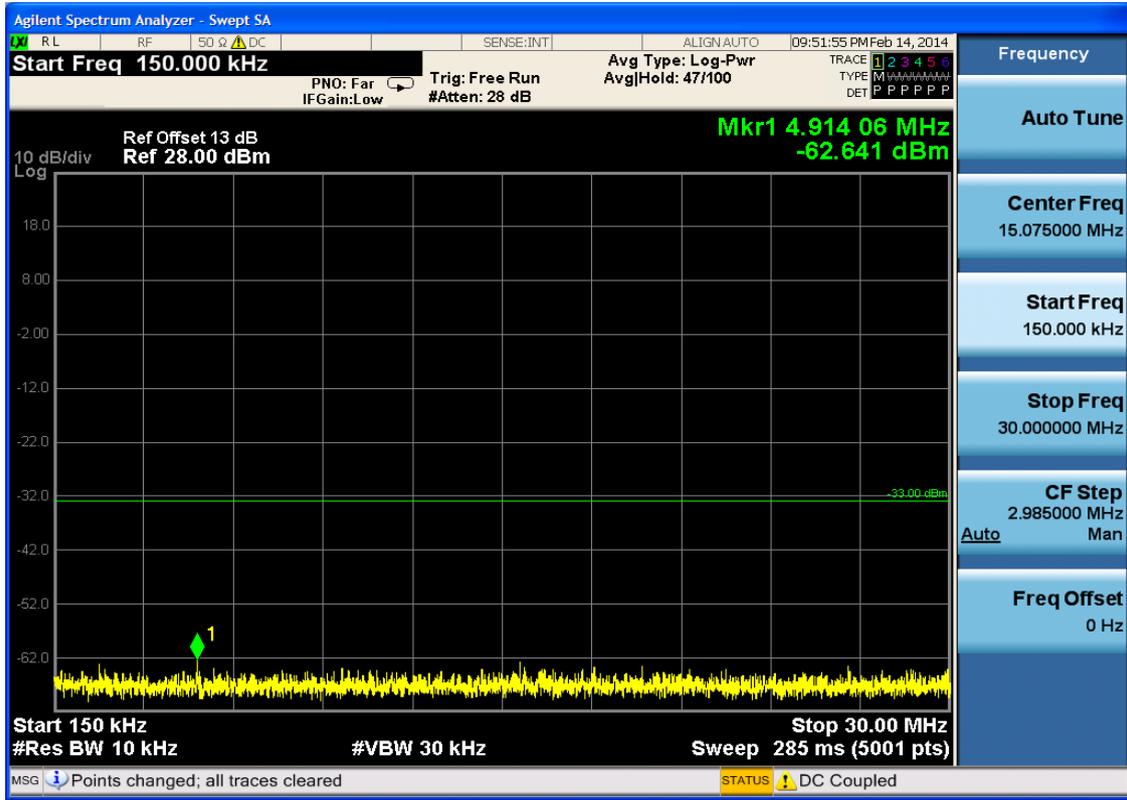


6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





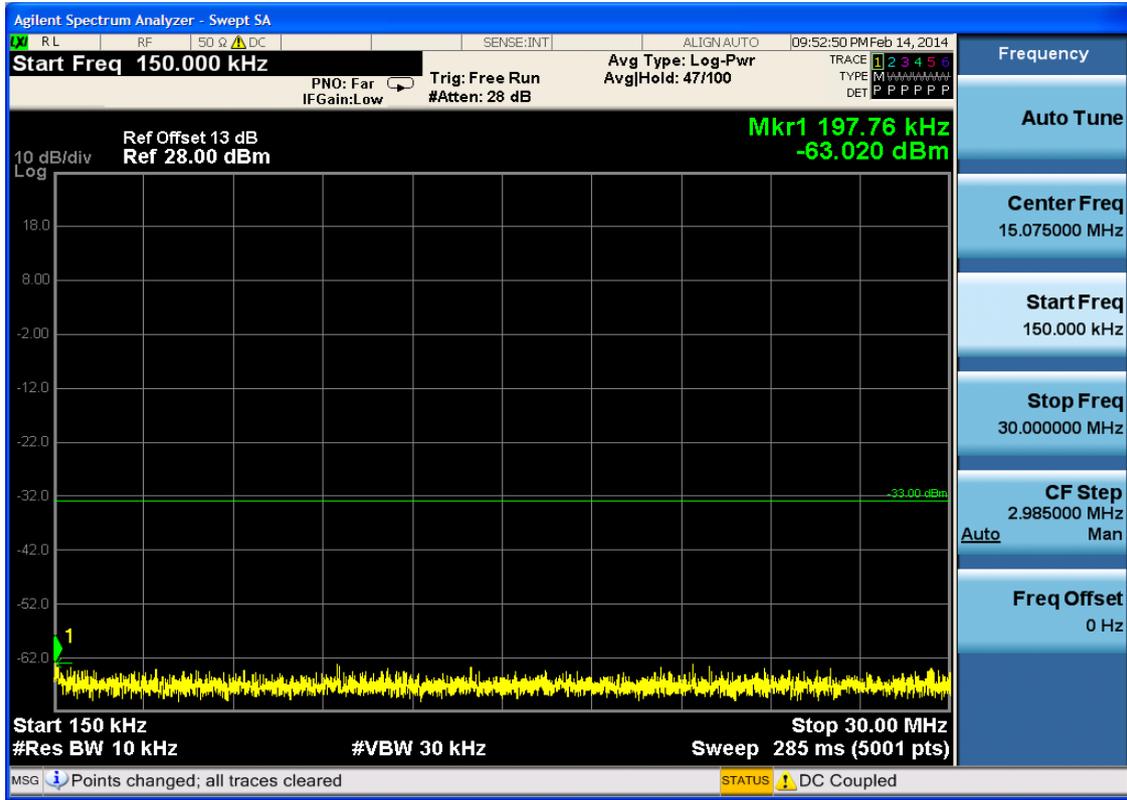


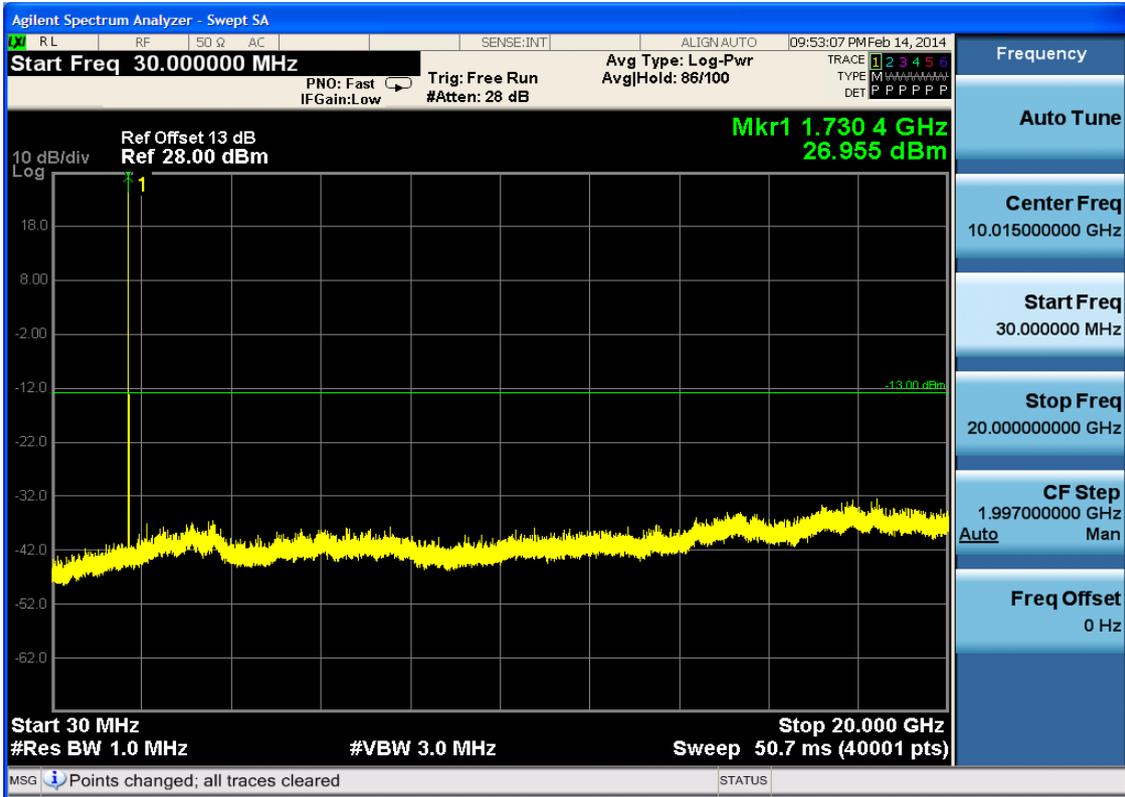


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



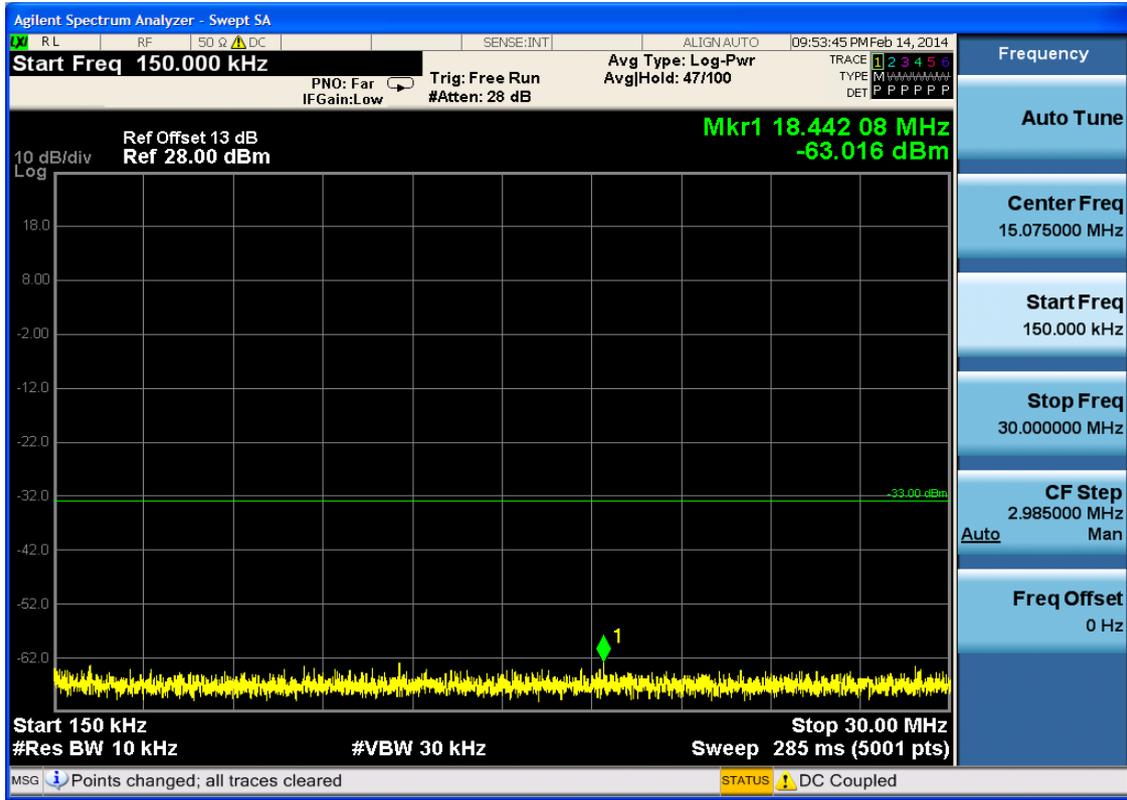


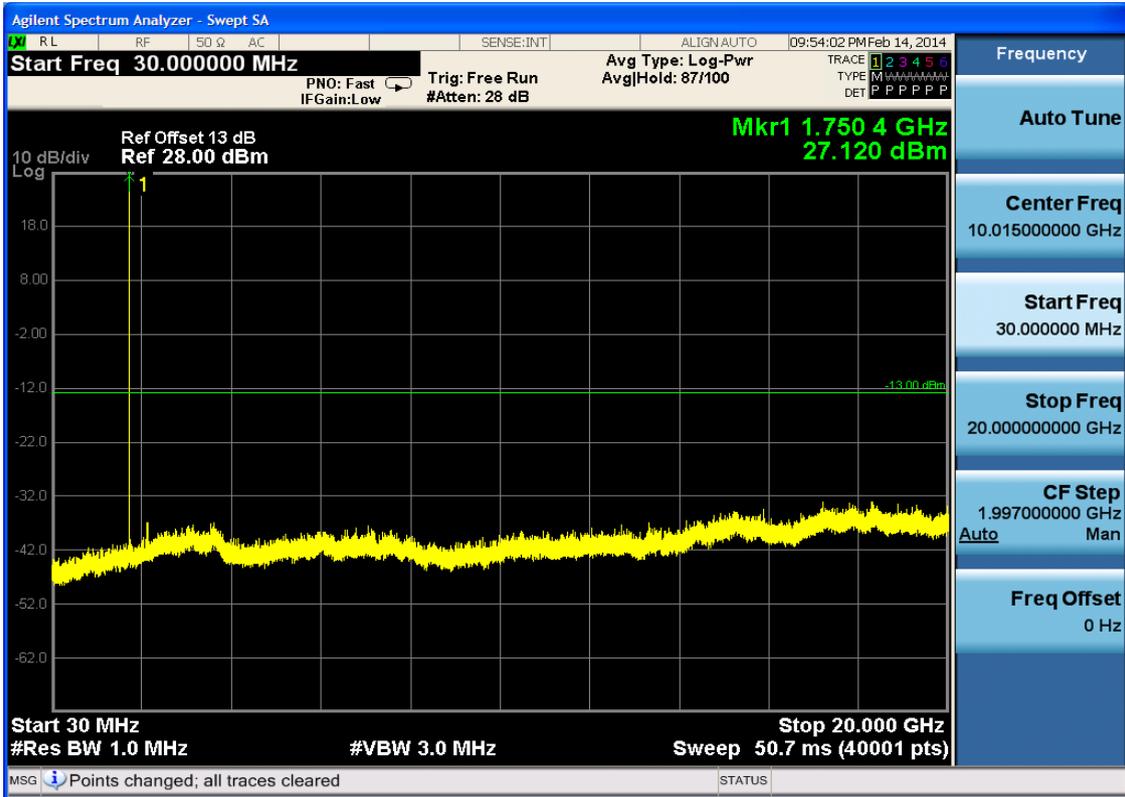


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





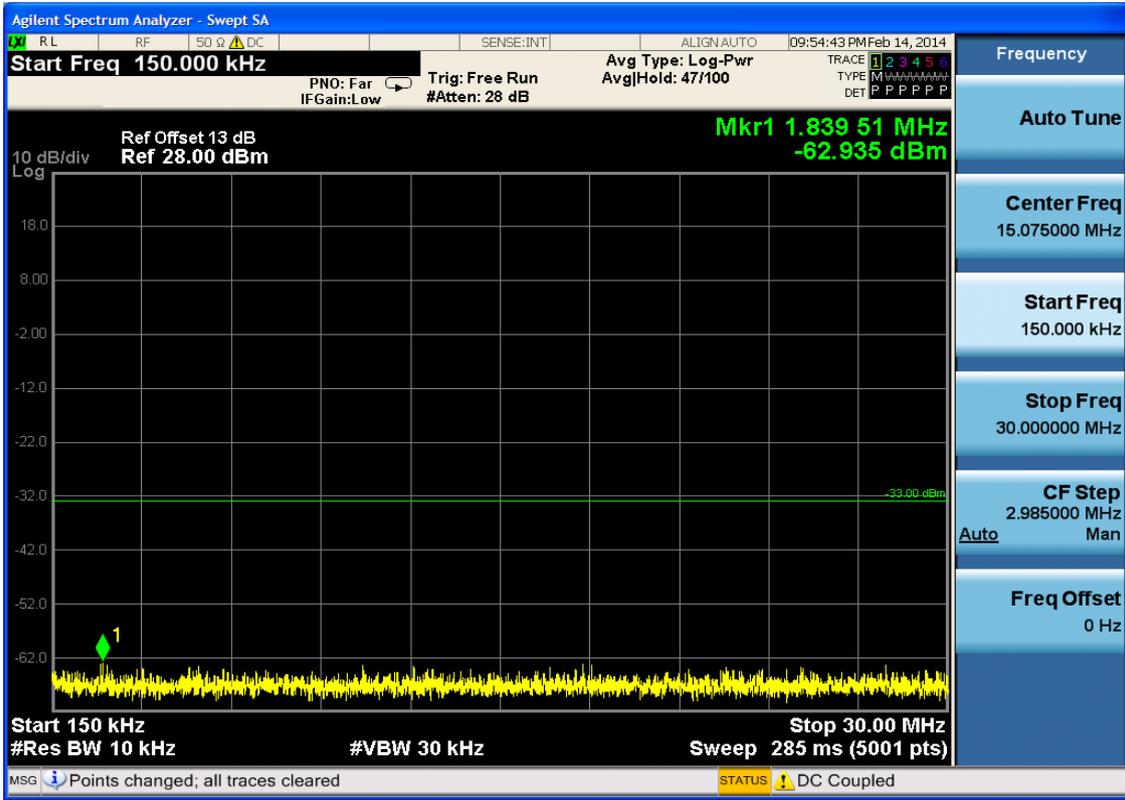


6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



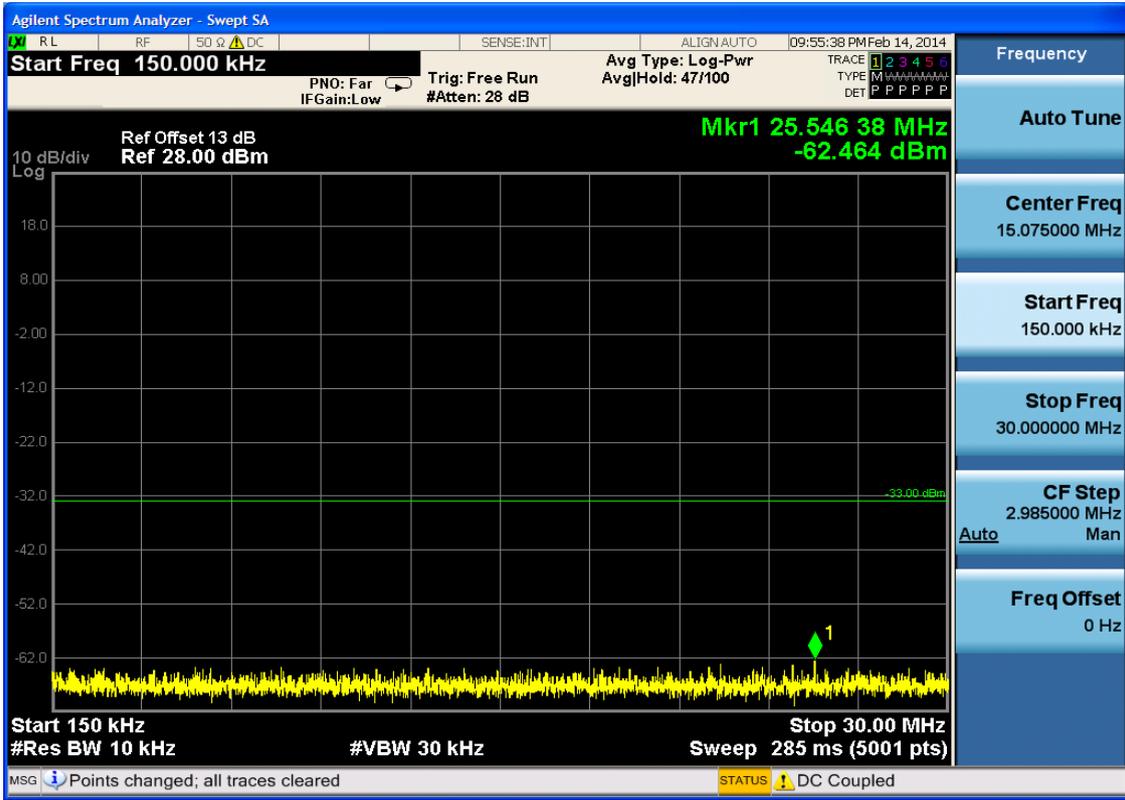




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



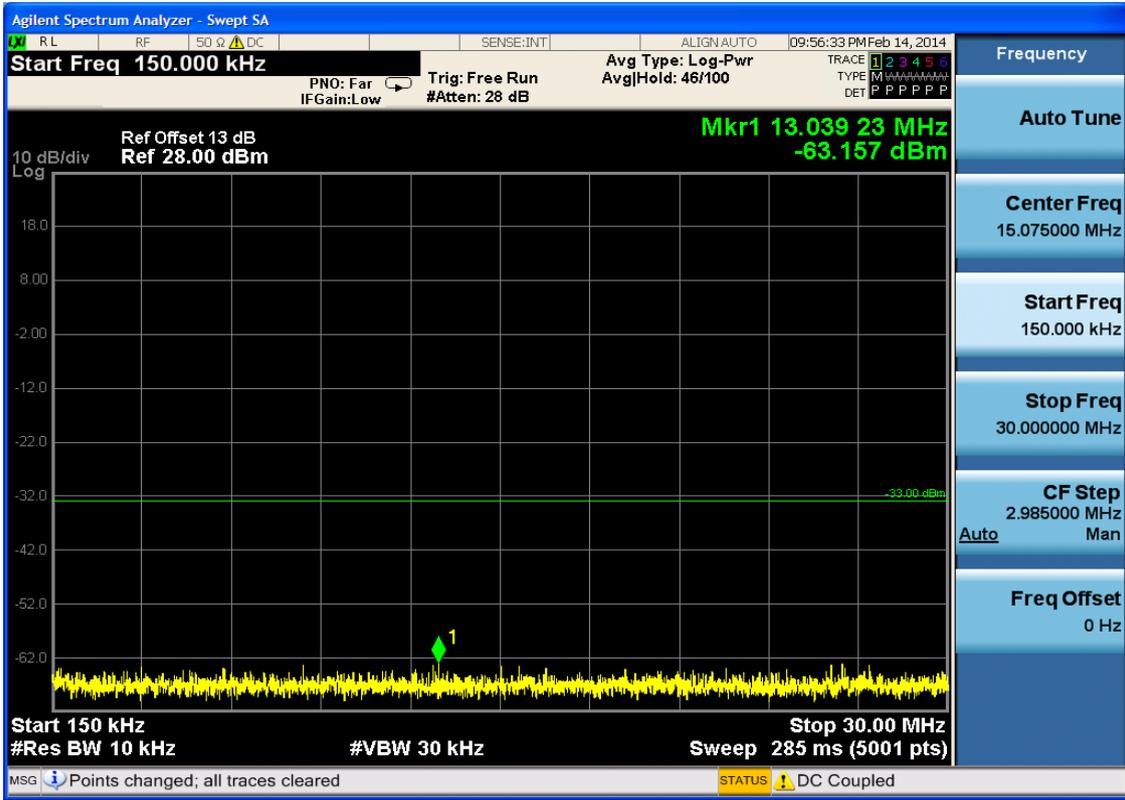


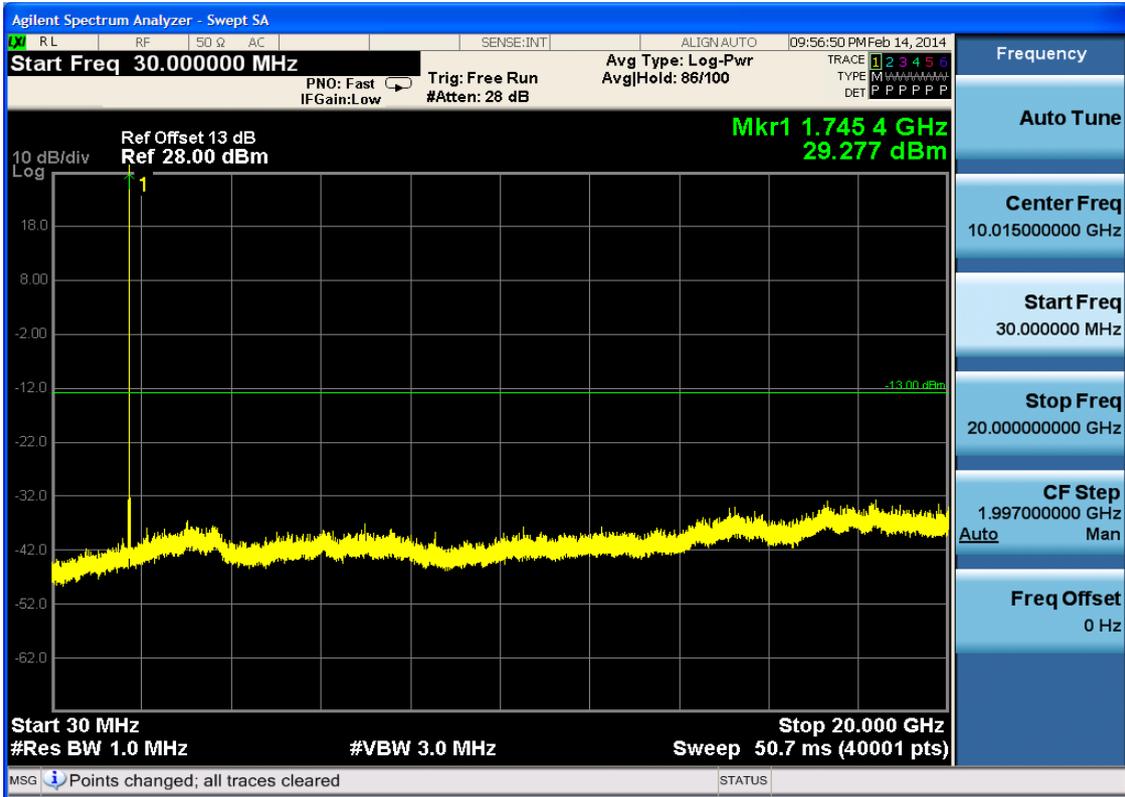


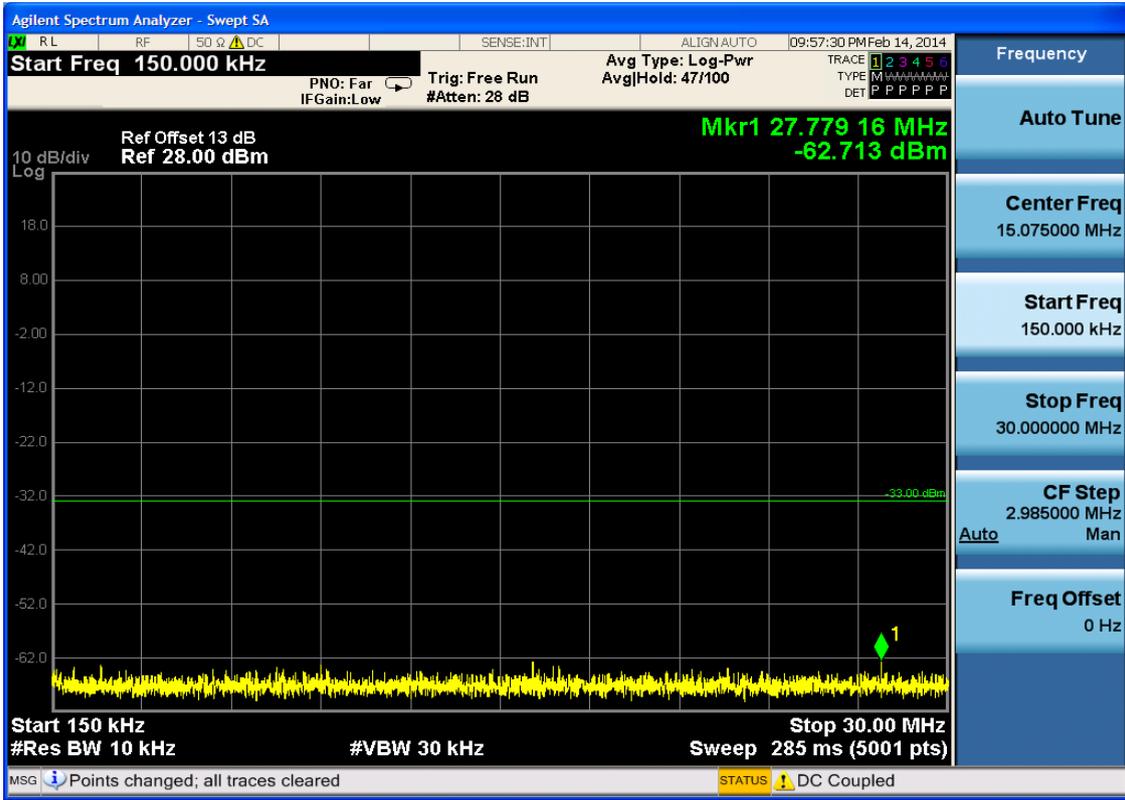
6.1.1.2.4.3 Test Channel = HCH

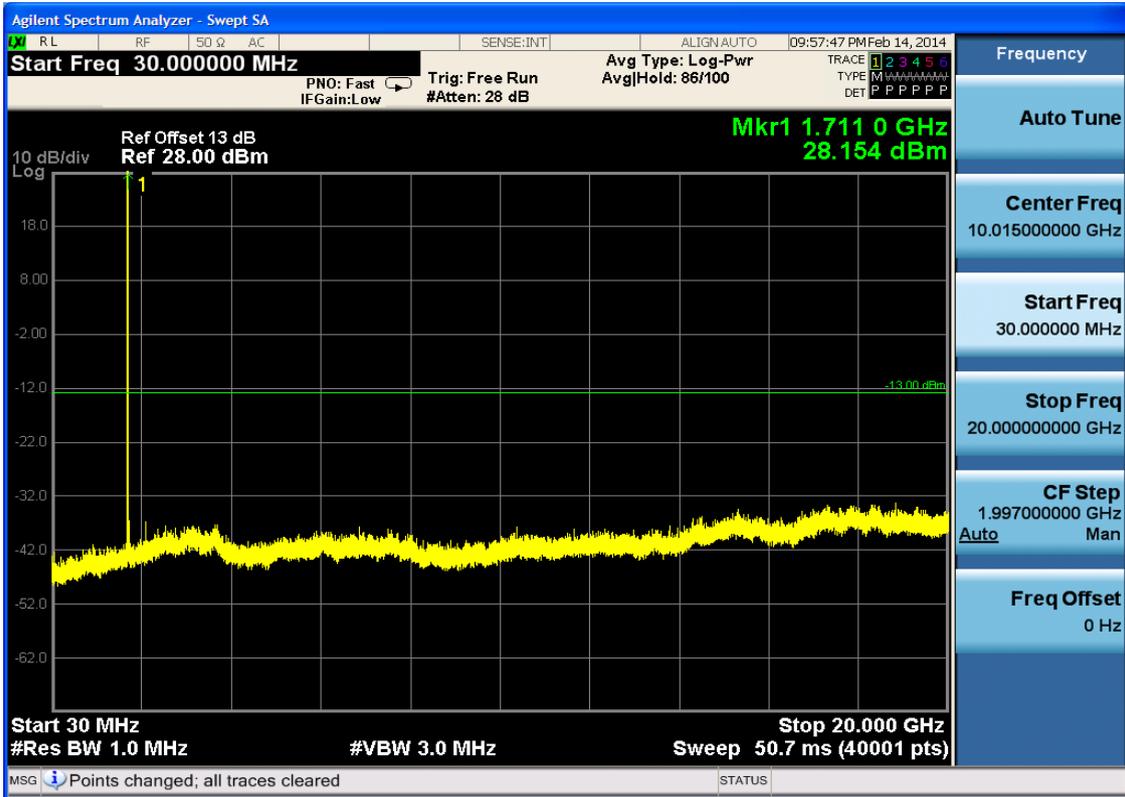
6.1.1.2.4.3.1 Test RB = RB1#0











6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0



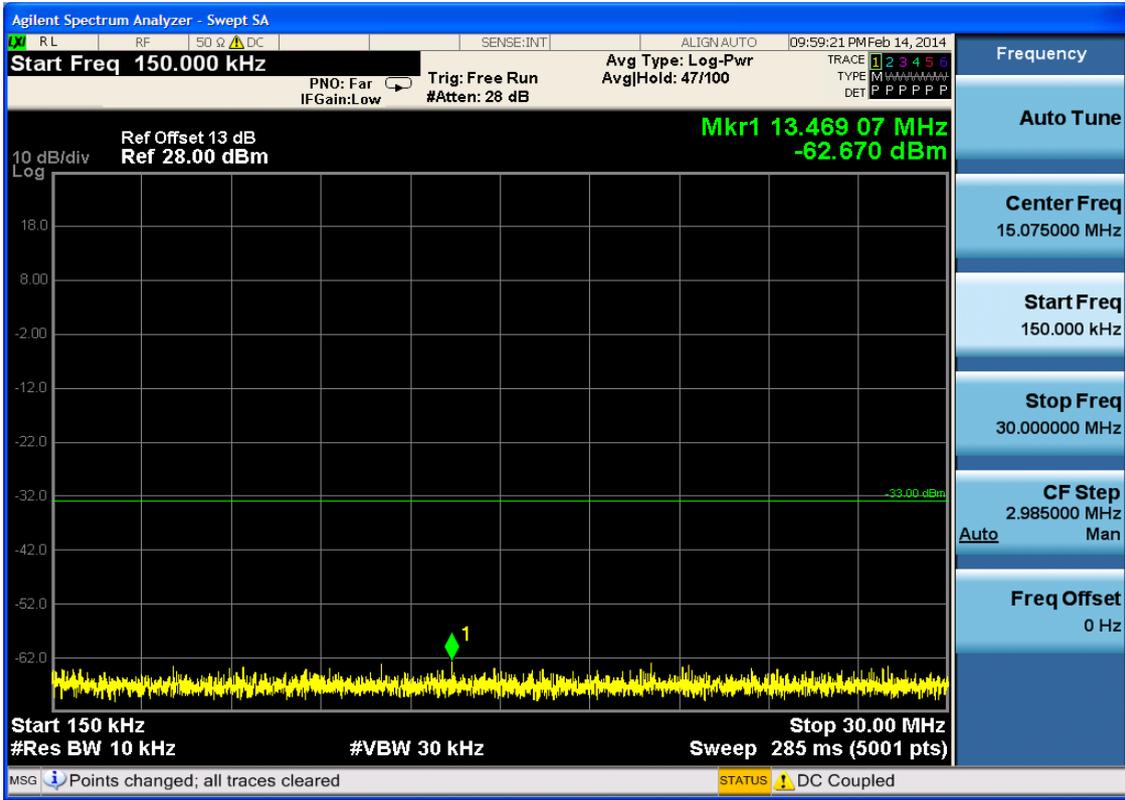




6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0





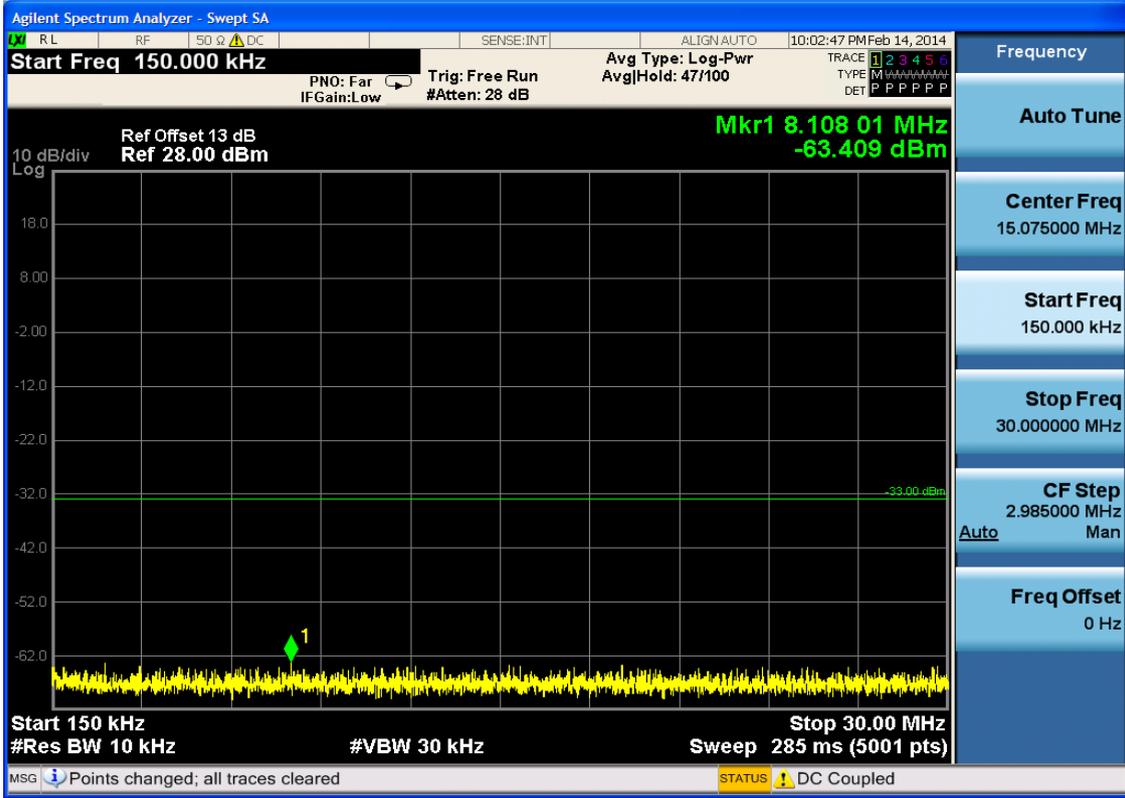


6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0



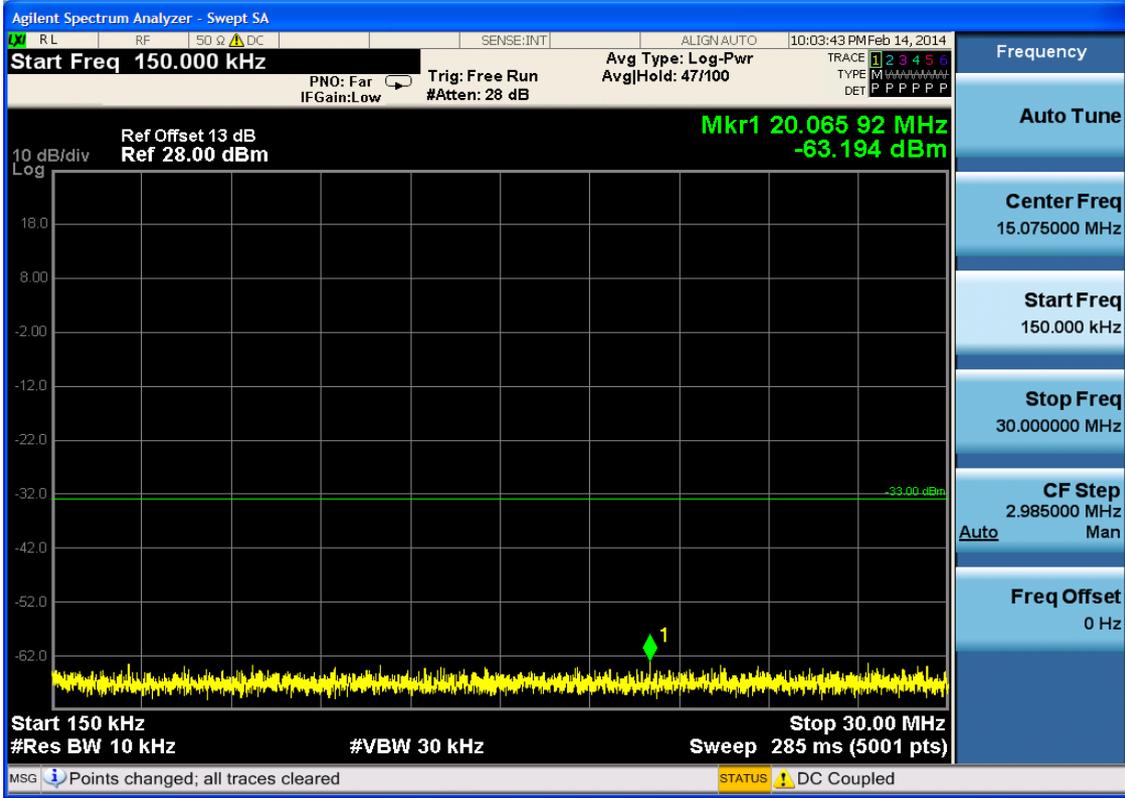




6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0







6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 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

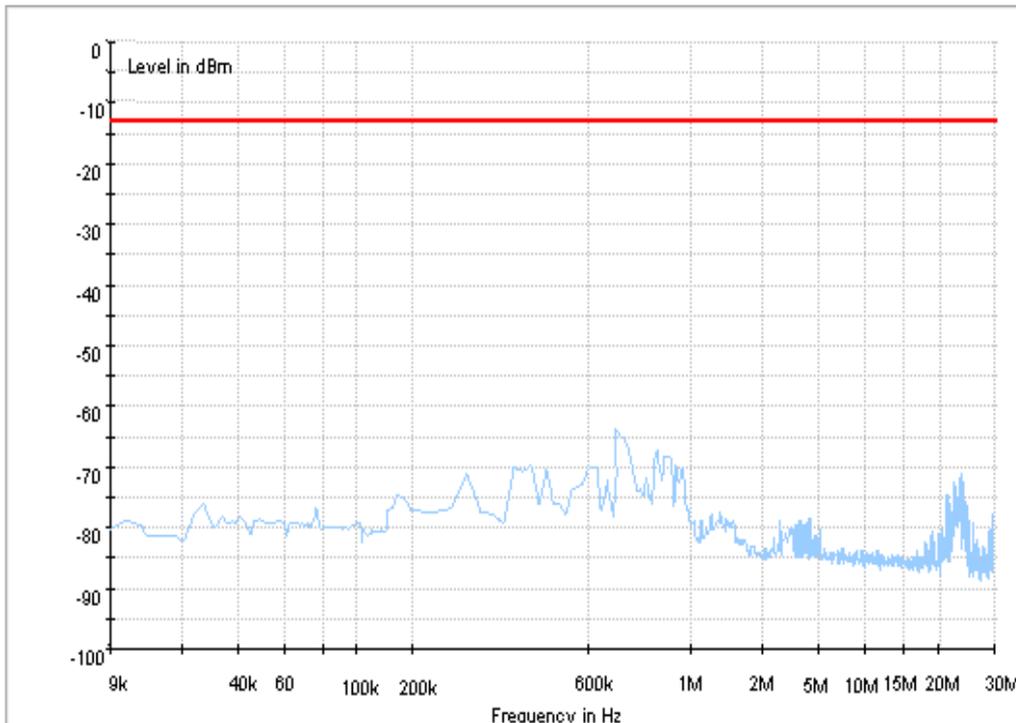
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

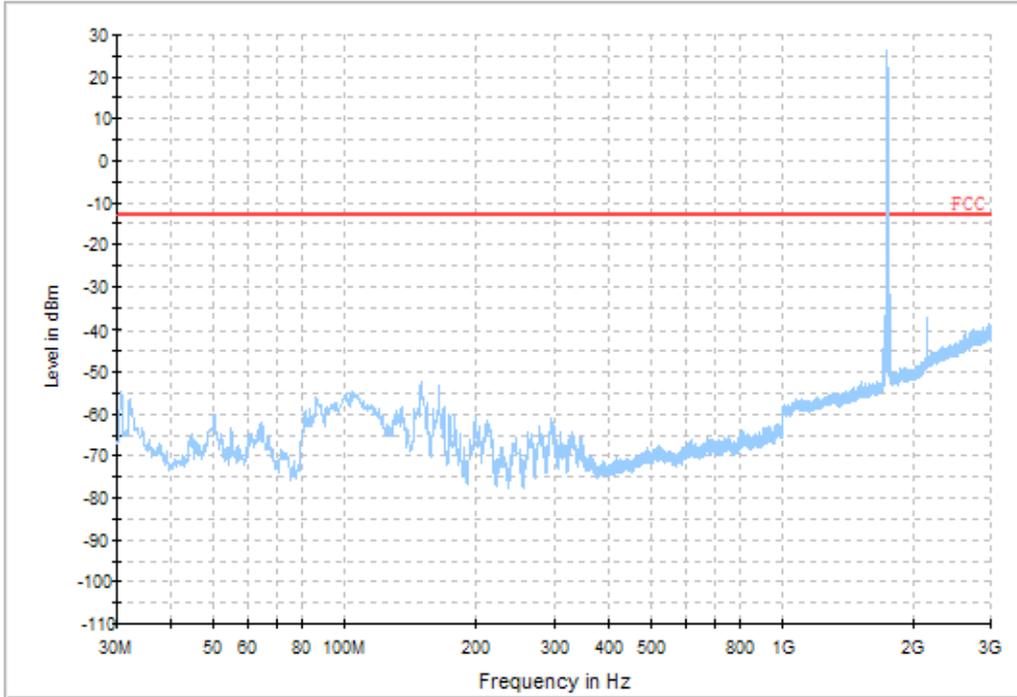
7.1 For LTE

7.1.1 Test Band = BAND4

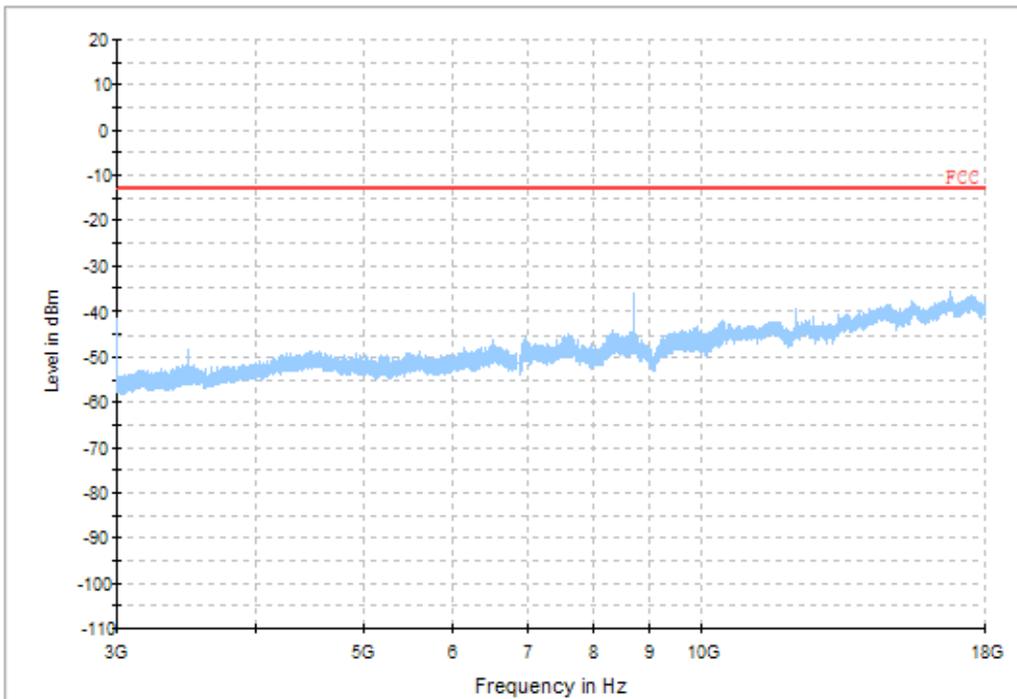
7.1.1.1 Test Bandwidth = 1.4

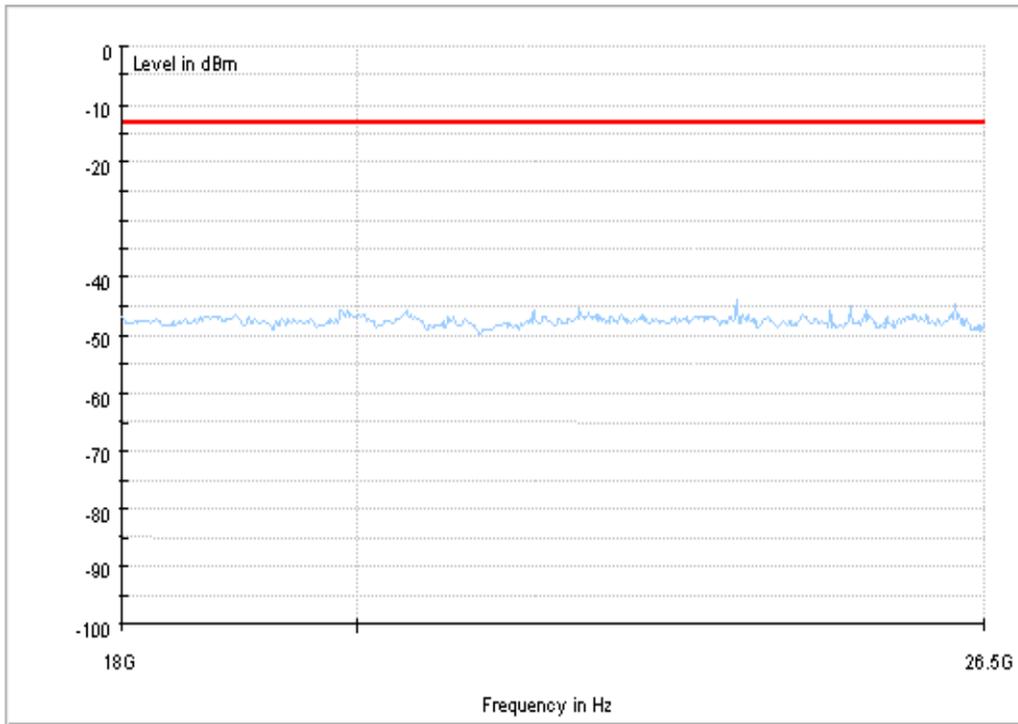


Copy of FCC PART27 LTE Band 4_L

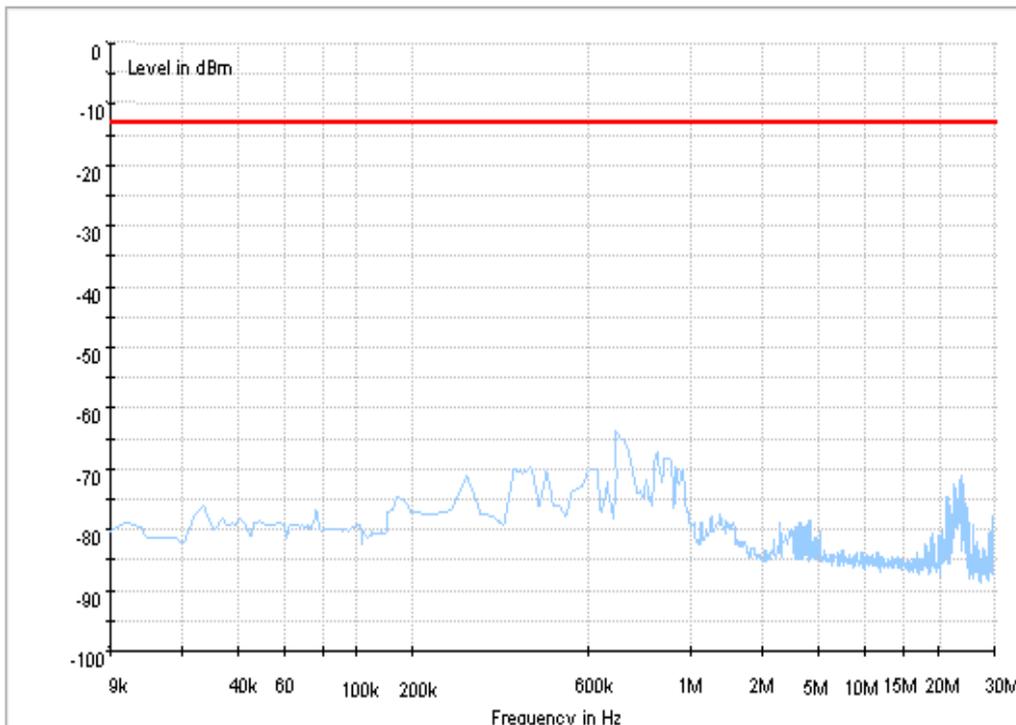


Copy of FCC PART27 LTE Band 4_H

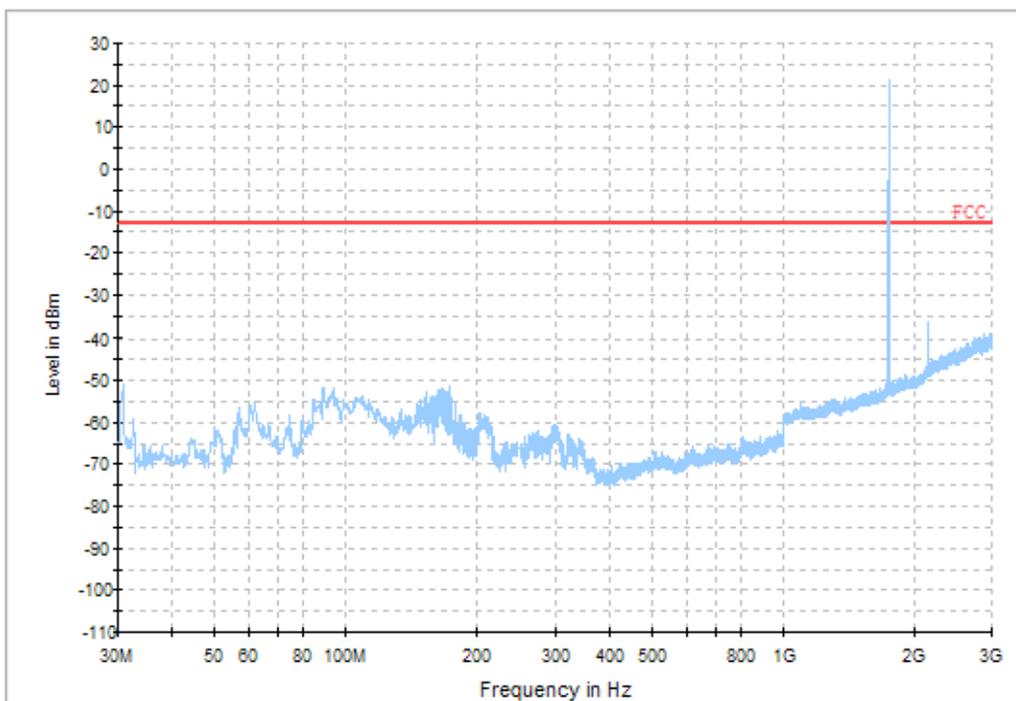




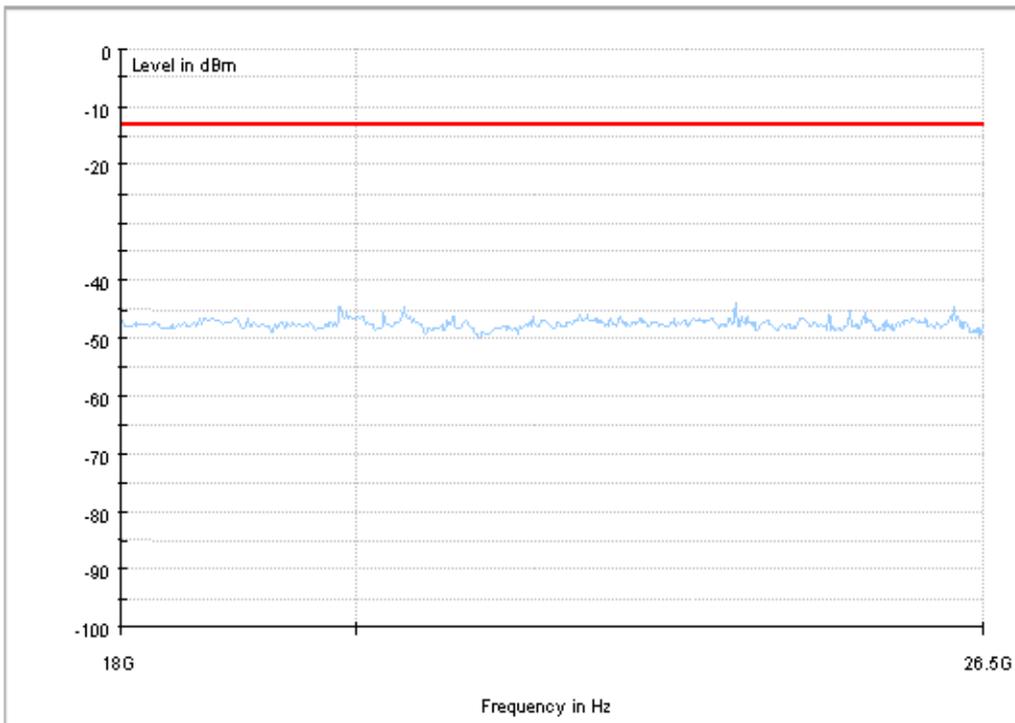
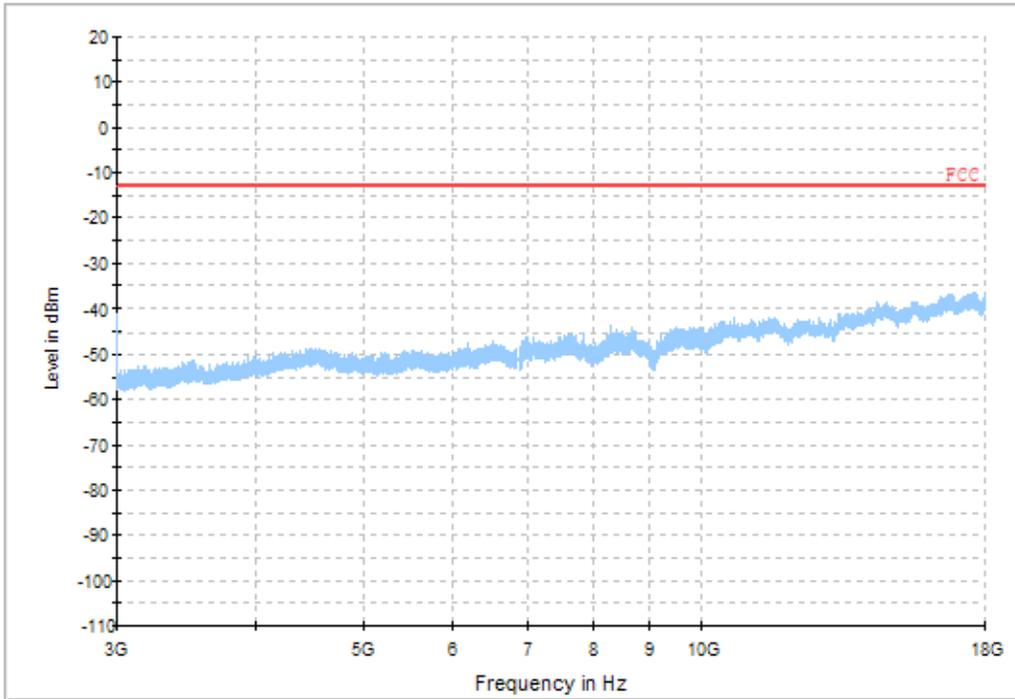
7.1.1.2 Test Bandwidth = 5



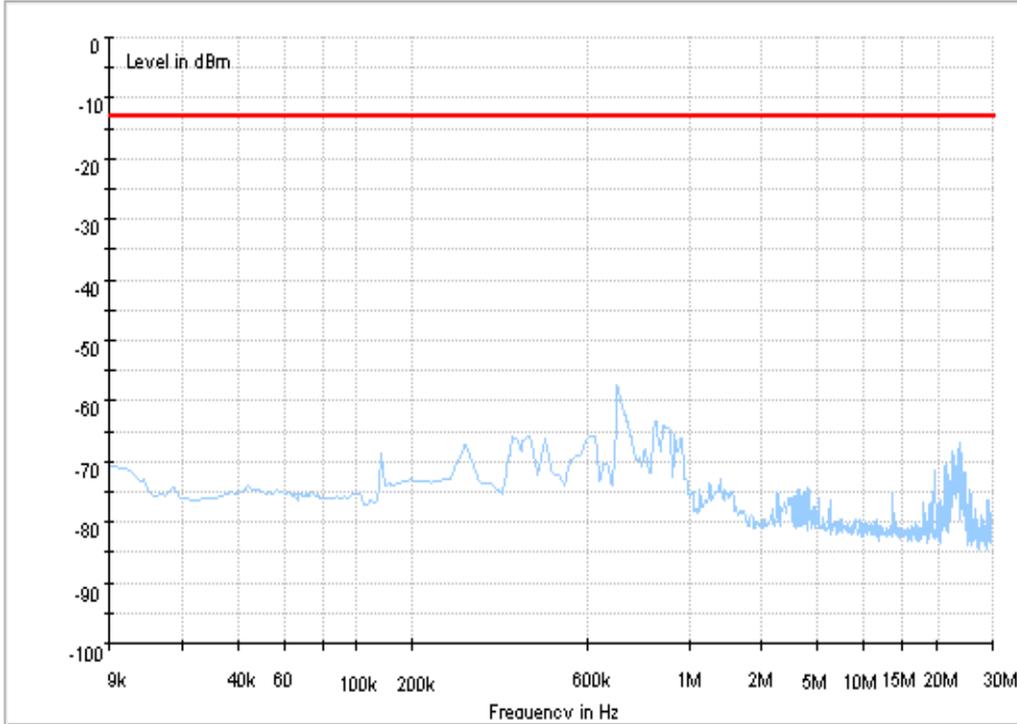
Copy of FCC PART27 LTE Band 4_L



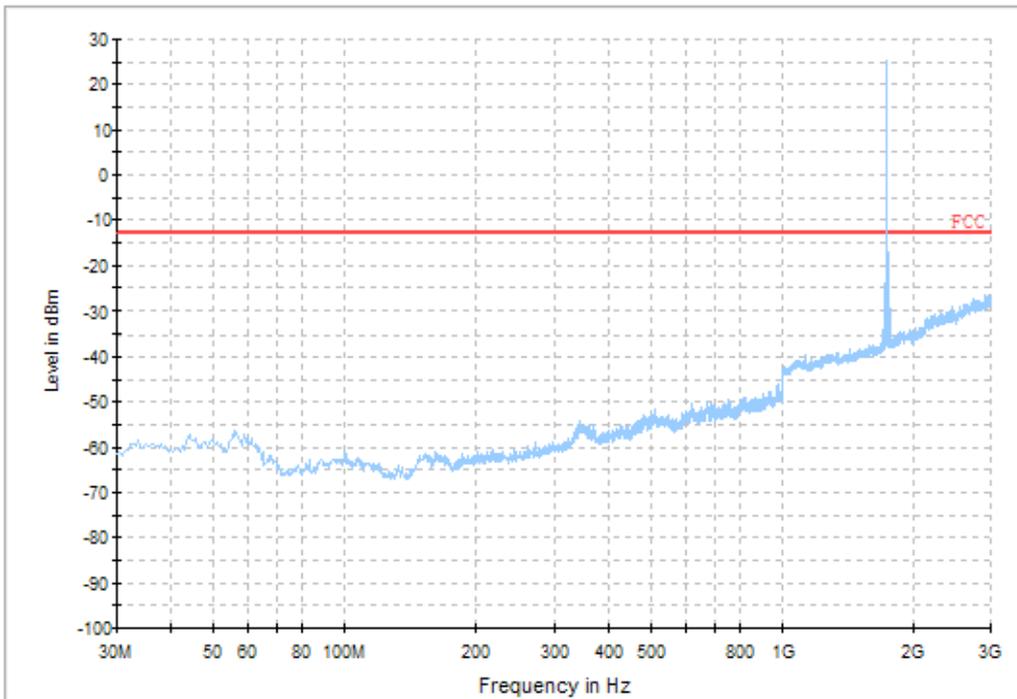
Copy of FCC PART27 LTE Band 4_H



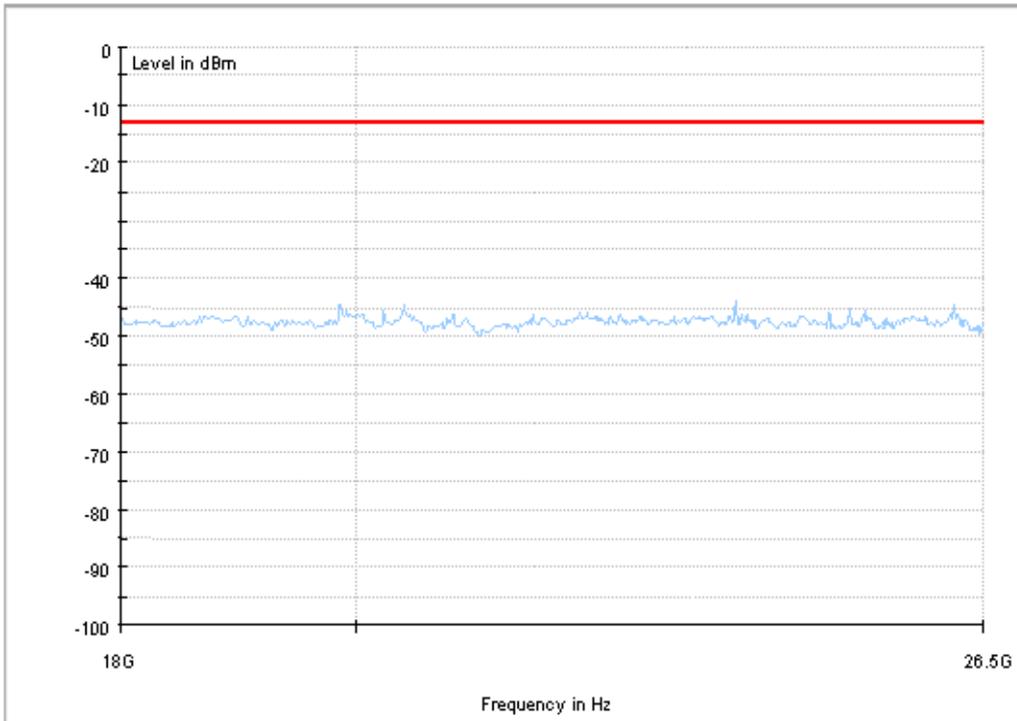
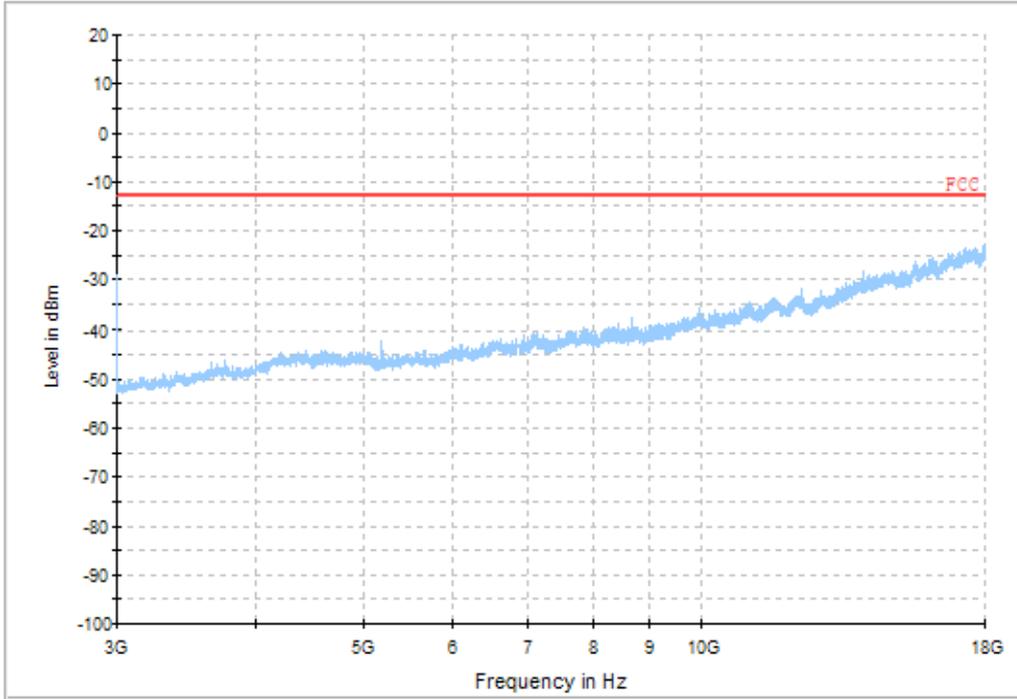
7.1.1.3 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	TN	VL	-4.02	-0.00235	±2.5	PASS
					VN	-3.32	-0.00194	±2.5	PASS
					VH	-0.27	-0.00016	±2.5	PASS
			MCH	TN	VL	1.86	0.00107	±2.5	PASS
					VN	0.63	0.00036	±2.5	PASS
					VH	2.45	0.00141	±2.5	PASS
			HCH	TN	VL	-3.00	-0.00171	±2.5	PASS
					VN	-3.73	-0.00213	±2.5	PASS
					VH	-5.38	-0.00307	±2.5	PASS
		3	LCH	TN	VL	-2.50	-0.00146	±2.5	PASS
					VN	-1.17	-0.00068	±2.5	PASS
					VH	-0.96	-0.00056	±2.5	PASS
			MCH	TN	VL	1.72	0.00099	±2.5	PASS
					VN	3.78	0.00218	±2.5	PASS
					VH	1.59	0.00092	±2.5	PASS
			HCH	TN	VL	-6.39	-0.00364	±2.5	PASS
					VN	-6.48	-0.0037	±2.5	PASS
					VH	-6.49	-0.0037	±2.5	PASS
		5	LCH	TN	VL	-5.36	-0.00313	±2.5	PASS
					VN	-5.85	-0.00342	±2.5	PASS
					VH	-7.98	-0.00466	±2.5	PASS
			MCH	TN	VL	0.63	0.00036	±2.5	PASS
					VN	0.46	0.00027	±2.5	PASS
					VH	-0.83	-0.00048	±2.5	PASS
			HCH	TN	VL	-4.21	-0.0024	±2.5	PASS
					VN	-1.93	-0.0011	±2.5	PASS
					VH	-2.69	-0.00153	±2.5	PASS
		10	LCH	TN	VL	-0.62	-0.00036	±2.5	PASS
					VN	0.19	0.00011	±2.5	PASS
					VH	0.77	0.00045	±2.5	PASS
MCH	TN		VL	0.92	0.00053	±2.5	PASS		
			VN	1.63	0.00094	±2.5	PASS		
			VH	2.23	0.00129	±2.5	PASS		
HCH	TN		VL	3.43	0.00196	±2.5	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict	
		15	LCH	TN	VN	2.88	0.00165	±2.5	PASS	
					VH	3.32	0.0019	±2.5	PASS	
					VL	-6.44	-0.00375	±2.5	PASS	
			MCH	TN	VN	-7.02	-0.00409	±2.5	PASS	
					VH	-6.98	-0.00406	±2.5	PASS	
					VL	1.70	0.00098	±2.5	PASS	
		TN		VN	-0.31	-0.00018	±2.5	PASS		
				VH	-0.63	-0.00036	±2.5	PASS		
				VL	-2.65	-0.00152	±2.5	PASS		
		HCH	TN	VN	-1.85	-0.00106	±2.5	PASS		
				VH	-3.22	-0.00184	±2.5	PASS		
				VL	0.04	0.00002	±2.5	PASS		
			20	LCH	TN	VN	-1.22	-0.00071	±2.5	PASS
						VH	-0.39	-0.00023	±2.5	PASS
						VL	0.40	0.00023	±2.5	PASS
		MCH		TN	VN	-1.72	-0.00099	±2.5	PASS	
					VH	2.30	0.00133	±2.5	PASS	
					VL	2.12	0.00179	±2.5	PASS	
		HCH	TN	VN	3.42	0.00196	±2.5	PASS		
				VH	2.15	0.00123	±2.5	PASS		
				VL	-6.02	-0.00352	±2.5	PASS		
		LTE/TM2	1.4	LCH	TN	VN	-5.98	-0.0035	±2.5	PASS
						VH	-7.62	-0.00445	±2.5	PASS
						VL	-0.96	-0.00055	±2.5	PASS
	MCH			TN	VN	-0.83	-0.00048	±2.5	PASS	
					VH	-0.99	-0.00057	±2.5	PASS	
					VL	-4.69	-0.00267	±2.5	PASS	
	HCH			TN	VN	-4.31	-0.00246	±2.5	PASS	
					VH	-2.66	-0.00152	±2.5	PASS	
					VL	-3.08	-0.0018	±2.5	PASS	
	3			LCH	TN	VN	-2.79	-0.00163	±2.5	PASS
						VH	-3.92	-0.00229	±2.5	PASS
						VL	0.97	0.00056	±2.5	PASS
			MCH	TN	VN	2.19	0.00126	±2.5	PASS	
					VH	2.85	0.00165	±2.5	PASS	
					VL	-5.15	-0.00351	±2.5	PASS	
			HCH	TN	VN	-7.51	-0.00428	±2.5	PASS	
					VH	-5.62	-0.00321	±2.5	PASS	
					VL	-4.43	-0.00259	±2.5	PASS	
	5		LCH	TN	VN	-4.23	-0.00247	±2.5	PASS	
					VH	-4.23	-0.00247	±2.5	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict	
			MCH	TN	VH	-4.18	-0.00302	±2.5	PASS	
					VL	2.26	0.0013	±2.5	PASS	
					VN	1.54	0.00089	±2.5	PASS	
					VH	2.35	0.00136	±2.5	PASS	
			HCH	TN	VL	-2.63	-0.0015	±2.5	PASS	
					VN	-4.62	-0.00264	±2.5	PASS	
					VH	-2.42	-0.00138	±2.5	PASS	
					VL	0.86	0.0005	±2.5	PASS	
			10	LCH	TN	VN	0.03	0.00002	±2.5	PASS
						VH	0.00	0	±2.5	PASS
						VL	3.33	0.00192	±2.5	PASS
				MCH	TN	VN	4.08	0.00235	±2.5	PASS
		VH				0.36	0.00021	±2.5	PASS	
		VL				2.13	0.00122	±2.5	PASS	
		HCH		TN	VN	2.00	0.00114	±2.5	PASS	
					VH	2.26	0.00129	±2.5	PASS	
					VL	-7.37	-0.00429	±2.5	PASS	
		15	LCH	TN	VN	-6.21	-0.00362	±2.5	PASS	
					VH	-8.05	-0.00469	±2.5	PASS	
					VL	2.73	0.00158	±2.5	PASS	
			MCH	TN	VN	0.97	0.00056	±2.5	PASS	
					VH	2.63	0.00152	±2.5	PASS	
					VL	-2.09	-0.0012	±2.5	PASS	
			HCH	TN	VN	-2.46	-0.00141	±2.5	PASS	
					VH	-2.35	-0.00134	±2.5	PASS	
					VL	-1.04	-0.0006	±2.5	PASS	
		20	LCH	TN	VN	-0.31	-0.00018	±2.5	PASS	
					VH	-1.69	-0.00098	±2.5	PASS	
					VL	1.36	0.00078	±2.5	PASS	
			MCH	TN	VN	-0.06	-0.00003	±2.5	PASS	
					VH	1.02	0.00059	±2.5	PASS	
					VL	2.80	0.0016	±2.5	PASS	
			HCH	TN	VN	3.28	0.00188	±2.5	PASS	
					VH	3.78	0.00217	±2.5	PASS	
					VL	3.78	0.00217	±2.5	PASS	

6.1.2 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	VN	-30	-3.52	-0.00206	±2.5	PASS
					-20	-2.63	-0.00154	±2.5	PASS
					-10	-3.13	-0.00241	±2.5	PASS
					0	-4.59	-0.00268	±2.5	PASS
					10	-3.58	-0.00209	±2.5	PASS
					20	-3.60	-0.0021	±2.5	PASS
					30	-2.12	-0.00124	±2.5	PASS
					40	-5.02	-0.00293	±2.5	PASS
			50	-3.66	-0.00214	±2.5	PASS		
			MCH	VN	-30	2.75	0.00159	±2.5	PASS
					-20	2.23	0.00129	±2.5	PASS
					-10	2.55	0.00147	±2.5	PASS
					0	1.46	0.00084	±2.5	PASS
					10	2.16	0.00125	±2.5	PASS
					20	3.43	0.00198	±2.5	PASS
					30	1.96	0.00113	±2.5	PASS
					40	0.66	0.00038	±2.5	PASS
			50	2.86	0.00165	±2.5	PASS		
			HCH	VN	-30	-4.72	-0.00269	±2.5	PASS
					-20	-0.97	-0.00055	±2.5	PASS
					-10	-2.12	-0.00178	±2.5	PASS
					0	-2.83	-0.00161	±2.5	PASS
					10	-1.09	-0.00062	±2.5	PASS
					20	-2.59	-0.00148	±2.5	PASS
		30			-1.10	-0.00063	±2.5	PASS	
		40			-0.97	-0.00055	±2.5	PASS	
		50	-1.53	-0.00087	±2.5	PASS			
		3	LCH	VN	-30	-4.22	-0.00247	±2.5	PASS
					-20	-0.03	-0.00002	±2.5	PASS
					-10	-3.29	-0.00192	±2.5	PASS
					0	-0.79	-0.00046	±2.5	PASS
					10	-1.59	-0.00093	±2.5	PASS
20	-3.23				-0.00189	±2.5	PASS		
30	-3.62				-0.00212	±2.5	PASS		
40	-3.26				-0.0019	±2.5	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict	
			MCH	VN	50	-2.29	-0.00134	±2.5	PASS	
					-30	-0.24	-0.00014	±2.5	PASS	
					-20	2.62	0.00151	±2.5	PASS	
					-10	-0.50	-0.00029	±2.5	PASS	
					0	0.86	0.0005	±2.5	PASS	
					10	2.55	0.00147	±2.5	PASS	
					20	1.73	0.001	±2.5	PASS	
					30	0.44	0.00025	±2.5	PASS	
					40	-0.30	-0.00017	±2.5	PASS	
					50	1.87	0.00108	±2.5	PASS	
			HCH	VN	-30	-5.72	-0.00326	±2.5	PASS	
					-20	-6.24	-0.00356	±2.5	PASS	
					-10	-6.82	-0.00389	±2.5	PASS	
					0	-6.54	-0.00373	±2.5	PASS	
					10	-5.52	-0.00315	±2.5	PASS	
					20	-7.28	-0.00415	±2.5	PASS	
					30	-6.92	-0.00395	±2.5	PASS	
					40	-5.74	-0.00327	±2.5	PASS	
			50	-4.05	-0.00231	±2.5	PASS			
			5	LCH	VN	-30	-5.95	-0.00347	±2.5	PASS
						-20	-5.62	-0.00328	±2.5	PASS
		-10				-6.44	-0.00376	±2.5	PASS	
		0				-6.47	-0.00378	±2.5	PASS	
		10				-5.48	-0.0032	±2.5	PASS	
		20				-4.03	-0.00235	±2.5	PASS	
		30				-6.38	-0.00373	±2.5	PASS	
		40				-4.25	-0.00248	±2.5	PASS	
		50				-3.89	-0.00227	±2.5	PASS	
		MCH		VN	-30	2.07	0.00119	±2.5	PASS	
					-20	1.34	0.00077	±2.5	PASS	
					-10	0.39	0.00023	±2.5	PASS	
					0	-0.84	-0.00048	±2.5	PASS	
					10	1.16	0.00067	±2.5	PASS	
					20	-0.41	-0.00024	±2.5	PASS	
					30	2.55	0.00147	±2.5	PASS	
					40	0.93	0.00054	±2.5	PASS	
		50		0.99	0.00057	±2.5	PASS			
		HCH		VN	-30	-3.79	-0.00216	±2.5	PASS	
			-20		-5.32	-0.00304	±2.5	PASS		
			-10		-1.09	-0.00062	±2.5	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict		
					0	-3.12	-0.00235	±2.5	PASS		
					10	-4.22	-0.00241	±2.5	PASS		
					20	-5.66	-0.00323	±2.5	PASS		
					30	-5.39	-0.00308	±2.5	PASS		
					40	-1.80	-0.00103	±2.5	PASS		
					50	-2.96	-0.00169	±2.5	PASS		
		10	LCH	VN	-30	-0.09	-0.00005	±2.5	PASS		
					-20	0.84	0.00049	±2.5	PASS		
					-10	1.20	0.0007	±2.5	PASS		
					0	-0.06	-0.00003	±2.5	PASS		
					10	-0.74	-0.00043	±2.5	PASS		
					20	-0.49	-0.00029	±2.5	PASS		
					30	0.16	0.00009	±2.5	PASS		
					40	-0.83	-0.00048	±2.5	PASS		
					50	0.36	0.00021	±2.5	PASS		
					MCH	VN	-30	3.46	0.002	±2.5	PASS
							-20	1.27	0.00073	±2.5	PASS
							-10	3.00	0.00173	±2.5	PASS
							0	3.00	0.00173	±2.5	PASS
							10	1.02	0.00059	±2.5	PASS
							20	0.19	0.00011	±2.5	PASS
							30	-0.89	-0.00051	±2.5	PASS
							40	-0.47	-0.00027	±2.5	PASS
					HCH	VN	-30	3.76	0.00215	±2.5	PASS
		-20	4.62	0.00264			±2.5	PASS			
		-10	3.89	0.00222			±2.5	PASS			
		0	1.60	0.00091			±2.5	PASS			
		10	4.38	0.0025			±2.5	PASS			
		20	3.85	0.0022			±2.5	PASS			
		30	4.32	0.00247			±2.5	PASS			
		40	3.26	0.00186			±2.5	PASS			
		15	LCH	VN	-30	-4.11	-0.00298	±2.5	PASS		
					-20	-7.62	-0.00444	±2.5	PASS		
					-10	-7.87	-0.00458	±2.5	PASS		
					0	-7.55	-0.0044	±2.5	PASS		
					10	-6.95	-0.00405	±2.5	PASS		
					20	-6.91	-0.00402	±2.5	PASS		
					30	-5.19	-0.0036	±2.5	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					40	-5.71	-0.00332	±2.5	PASS
					50	-7.24	-0.00422	±2.5	PASS
			MCH	VN	-30	1.63	0.00094	±2.5	PASS
					-20	1.02	0.00059	±2.5	PASS
					-10	1.77	0.00102	±2.5	PASS
					0	0.67	0.00039	±2.5	PASS
					10	2.60	0.0015	±2.5	PASS
					20	0.57	0.00033	±2.5	PASS
					30	1.54	0.00089	±2.5	PASS
					40	-0.06	-0.00003	±2.5	PASS
					50	1.26	0.00073	±2.5	PASS
					HCH	VN	-30	-3.09	-0.00177
			-20	-3.13			-0.00236	±2.5	PASS
			-10	-1.23			-0.0007	±2.5	PASS
			0	-2.40			-0.00137	±2.5	PASS
			10	-2.49			-0.00142	±2.5	PASS
			20	-1.93			-0.0011	±2.5	PASS
			30	-2.16			-0.00181	±2.5	PASS
			40	-2.25			-0.00129	±2.5	PASS
			50	-1.24			-0.00071	±2.5	PASS
		20	LCH	VN			-30	-1.13	-0.00066
					-20	-0.39	-0.00023	±2.5	PASS
					-10	-0.47	-0.00027	±2.5	PASS
					0	-1.54	-0.0009	±2.5	PASS
					10	0.10	0.00006	±2.5	PASS
					20	-0.74	-0.00043	±2.5	PASS
					30	-1.52	-0.00088	±2.5	PASS
					40	-0.72	-0.00042	±2.5	PASS
					50	-1.89	-0.0011	±2.5	PASS
					MCH	VN	-30	0.11	0.00006
			-20	1.96			0.00113	±2.5	PASS
			-10	0.83			0.00048	±2.5	PASS
			0	2.32			0.00134	±2.5	PASS
			10	1.73			0.001	±2.5	PASS
			20	0.39			0.00023	±2.5	PASS
			30	0.04			0.00002	±2.5	PASS
			40	1.30			0.00075	±2.5	PASS
			50	1.99			0.00115	±2.5	PASS
			HCH	VN			-30	2.26	0.0013
					-20	3.46	0.00198	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict					
					-10	4.21	0.00241	±2.5	PASS					
					0	3.28	0.00188	±2.5	PASS					
					10	4.84	0.00277	±2.5	PASS					
					20	2.60	0.00149	±2.5	PASS					
					30	3.09	0.00177	±2.5	PASS					
					40	4.53	0.0026	±2.5	PASS					
					50	5.01	0.00287	±2.5	PASS					
					LCH	VN				-30	-2.98	-0.00174	±2.5	PASS
										-20	-4.79	-0.0028	±2.5	PASS
										-10	-7.57	-0.00443	±2.5	PASS
										0	-7.00	-0.00409	±2.5	PASS
										10	-3.86	-0.00226	±2.5	PASS
										20	-3.33	-0.00195	±2.5	PASS
										30	-4.65	-0.00272	±2.5	PASS
	40	-6.42	-0.00375	±2.5						PASS				
	50	-2.85	-0.00167	±2.5						PASS				
	MCH	VN	1.4								-30	0.96	0.00055	±2.5
					-20	1.54	0.00089	±2.5	PASS					
					-10	1.16	0.00067	±2.5	PASS					
					0	3.06	0.00177	±2.5	PASS					
					10	1.63	0.00094	±2.5	PASS					
					20	0.77	0.00044	±2.5	PASS					
					30	2.69	0.00155	±2.5	PASS					
					40	-1.52	-0.00088	±2.5	PASS					
					50	1.42	0.00082	±2.5	PASS					
					HCH	VN	1.4				-30	-6.59	-0.00376	±2.5
	-20	-4.33	-0.00247	±2.5						PASS				
	-10	-2.43	-0.00139	±2.5						PASS				
	0	-3.11	-0.00234	±2.5						PASS				
	10	-5.02	-0.00286	±2.5						PASS				
	20	-5.82	-0.00332	±2.5						PASS				
	30	-3.79	-0.00216	±2.5						PASS				
	40	-4.62	-0.00263	±2.5						PASS				
	50	-4.42	-0.00252	±2.5						PASS				
	3	LCH									-30	-4.49	-0.00262	±2.5
					-20	-2.36	-0.00138	±2.5	PASS					
					-10	-4.95	-0.00289	±2.5	PASS					
					0	-5.42	-0.00317	±2.5	PASS					
					10	-4.68	-0.00273	±2.5	PASS					
					20	-6.04	-0.00353	±2.5	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					30	-5.71	-0.00334	±2.5	PASS
					40	-6.69	-0.00391	±2.5	PASS
					50	-5.26	-0.00307	±2.5	PASS
			MCH	VN	-30	-0.41	-0.00024	±2.5	PASS
					-20	0.59	0.00034	±2.5	PASS
					-10	-1.79	-0.00103	±2.5	PASS
					0	-0.69	-0.0004	±2.5	PASS
					10	0.44	0.00025	±2.5	PASS
					20	-0.20	-0.00012	±2.5	PASS
					30	0.87	0.0005	±2.5	PASS
					40	-1.53	-0.00088	±2.5	PASS
					50	1.19	0.00069	±2.5	PASS
					HCH	VN	-30	-8.83	-0.00504
			-20	-8.67			-0.00494	±2.5	PASS
			-10	-6.68			-0.00381	±2.5	PASS
			0	-7.94			-0.00453	±2.5	PASS
			10	-7.71			-0.0044	±2.5	PASS
			20	-6.15			-0.00408	±2.5	PASS
			30	-9.04			-0.00516	±2.5	PASS
			40	-7.97			-0.00455	±2.5	PASS
			LCH	VN	-30	-2.49	-0.00145	±2.5	PASS
					-20	-4.88	-0.00285	±2.5	PASS
					-10	-2.69	-0.00157	±2.5	PASS
					0	-2.92	-0.00171	±2.5	PASS
					10	-3.86	-0.00225	±2.5	PASS
					20	-3.25	-0.0019	±2.5	PASS
					30	-4.23	-0.00247	±2.5	PASS
					40	-3.73	-0.00218	±2.5	PASS
					50	-4.62	-0.0027	±2.5	PASS
					MCH	VN	-30	1.53	0.00088
			-20	2.75			0.00159	±2.5	PASS
			-10	1.92			0.00111	±2.5	PASS
			0	2.42			0.0014	±2.5	PASS
			10	4.28			0.00247	±2.5	PASS
			20	3.71			0.00214	±2.5	PASS
			30	2.52			0.00145	±2.5	PASS
			40	3.52			0.00203	±2.5	PASS
			HCH	VN	-30	-4.96	-0.00283	±2.5	PASS
					50	3.08	0.00178	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict			
					-20	-1.47	-0.00084	±2.5	PASS			
					-10	-2.18	-0.00181	±2.5	PASS			
					0	-1.59	-0.00091	±2.5	PASS			
					10	-3.58	-0.00204	±2.5	PASS			
					20	-3.91	-0.00223	±2.5	PASS			
					30	-2.82	-0.00161	±2.5	PASS			
					40	-2.26	-0.00129	±2.5	PASS			
					50	-2.49	-0.00142	±2.5	PASS			
					10	LCH	VN	-30	-0.31	-0.00018	±2.5	PASS
		-20	0.20	0.00012				±2.5	PASS			
		-10	-1.36	-0.00079				±2.5	PASS			
		0	-0.90	-0.00052				±2.5	PASS			
		10	-1.07	-0.00062				±2.5	PASS			
		20	0.17	0.0001				±2.5	PASS			
		30	-0.34	-0.0002				±2.5	PASS			
		40	1.19	0.00069				±2.5	PASS			
		50	-0.11	-0.00006				±2.5	PASS			
		10	MCH	VN				-30	2.13	0.00123	±2.5	PASS
								-20	1.60	0.00092	±2.5	PASS
								-10	1.65	0.00095	±2.5	PASS
								0	2.30	0.00133	±2.5	PASS
								10	0.23	0.00013	±2.5	PASS
								20	1.40	0.00081	±2.5	PASS
								30	1.87	0.00108	±2.5	PASS
								40	1.56	0.0009	±2.5	PASS
								50	1.04	0.0006	±2.5	PASS
		10	HCH	VN	-30	1.87	0.00107	±2.5	PASS			
					-20	2.66	0.00152	±2.5	PASS			
					-10	2.02	0.00115	±2.5	PASS			
					0	1.79	0.00102	±2.5	PASS			
					10	2.10	0.0012	±2.5	PASS			
					20	2.19	0.00125	±2.5	PASS			
					30	3.72	0.00213	±2.5	PASS			
					40	2.10	0.0012	±2.5	PASS			
					50	2.52	0.00144	±2.5	PASS			
		15	LCH	VN	-30	-5.02	-0.00292	±2.5	PASS			
					-20	-6.51	-0.00379	±2.5	PASS			
					-10	-7.00	-0.00408	±2.5	PASS			
					0	-5.48	-0.00319	±2.5	PASS			
					10	-6.08	-0.00354	±2.5	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					20	-7.78	-0.00453	±2.5	PASS
					30	-6.95	-0.00405	±2.5	PASS
					40	-7.20	-0.00419	±2.5	PASS
					50	-7.94	-0.00462	±2.5	PASS
			MCH	VN	-30	-0.14	-0.00008	±2.5	PASS
					-20	-0.67	-0.00039	±2.5	PASS
					-10	0.76	0.00044	±2.5	PASS
					0	1.07	0.00062	±2.5	PASS
					10	0.92	0.00053	±2.5	PASS
					20	1.32	0.00076	±2.5	PASS
					30	1.10	0.00063	±2.5	PASS
					40	-0.16	-0.00009	±2.5	PASS
			HCH	VN	50	0.39	0.00023	±2.5	PASS
					-30	-1.86	-0.00106	±2.5	PASS
					-20	-4.28	-0.00245	±2.5	PASS
					-10	-3.20	-0.00183	±2.5	PASS
					0	-2.19	-0.00183	±2.5	PASS
					10	-1.96	-0.00112	±2.5	PASS
					20	-1.09	-0.00062	±2.5	PASS
					30	-3.72	-0.00213	±2.5	PASS
			LCH	VN	40	-2.95	-0.00169	±2.5	PASS
					50	-1.95	-0.00112	±2.5	PASS
					-30	-0.26	-0.00015	±2.5	PASS
					-20	-0.13	-0.00008	±2.5	PASS
					-10	-1.69	-0.00098	±2.5	PASS
					0	-0.50	-0.00029	±2.5	PASS
					10	-1.10	-0.00064	±2.5	PASS
					20	-1.22	-0.00071	±2.5	PASS
					30	-2.22	-0.00129	±2.5	PASS
					40	-2.00	-0.00116	±2.5	PASS
					50	-1.92	-0.00112	±2.5	PASS
					MCH	VN	-30	1.04	0.0006
			-20	0.74			0.00043	±2.5	PASS
			-10	2.49			0.00144	±2.5	PASS
			0	0.16			0.00009	±2.5	PASS
			10	2.29			0.00132	±2.5	PASS
			20	1.12			0.00065	±2.5	PASS
			30	0.36			0.00021	±2.5	PASS
			40	0.93			0.00054	±2.5	PASS
			50	2.17	0.00125	±2.5	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
			HCH	VN	-30	2.37	0.00136	±2.5	PASS
					-20	2.65	0.00152	±2.5	PASS
					-10	2.36	0.00135	±2.5	PASS
					0	2.39	0.00137	±2.5	PASS
					10	4.35	0.00249	±2.5	PASS
					20	2.90	0.00166	±2.5	PASS
					30	2.75	0.00158	±2.5	PASS
					40	4.33	0.00248	±2.5	PASS
					50	2.23	0.00128	±2.5	PASS

END