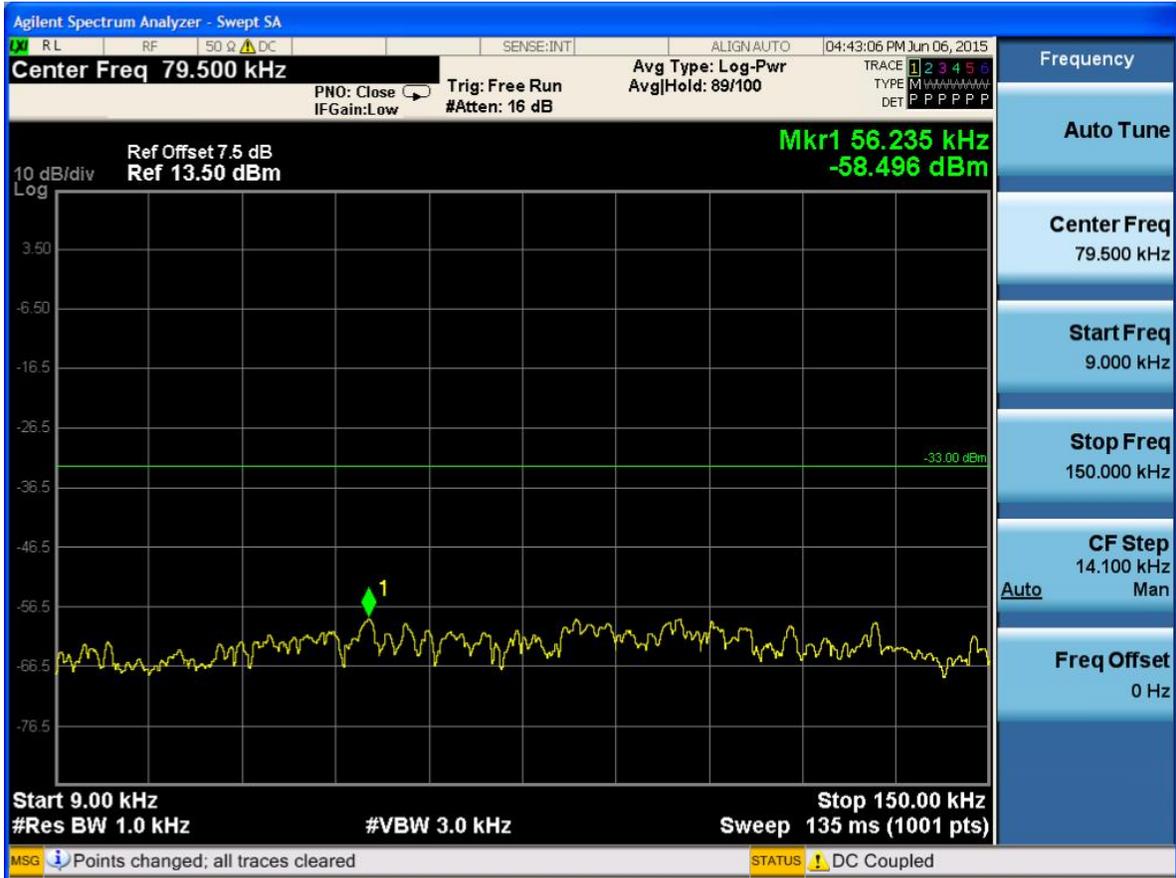




6.1.1.1.3.2 Test Channel = MCH

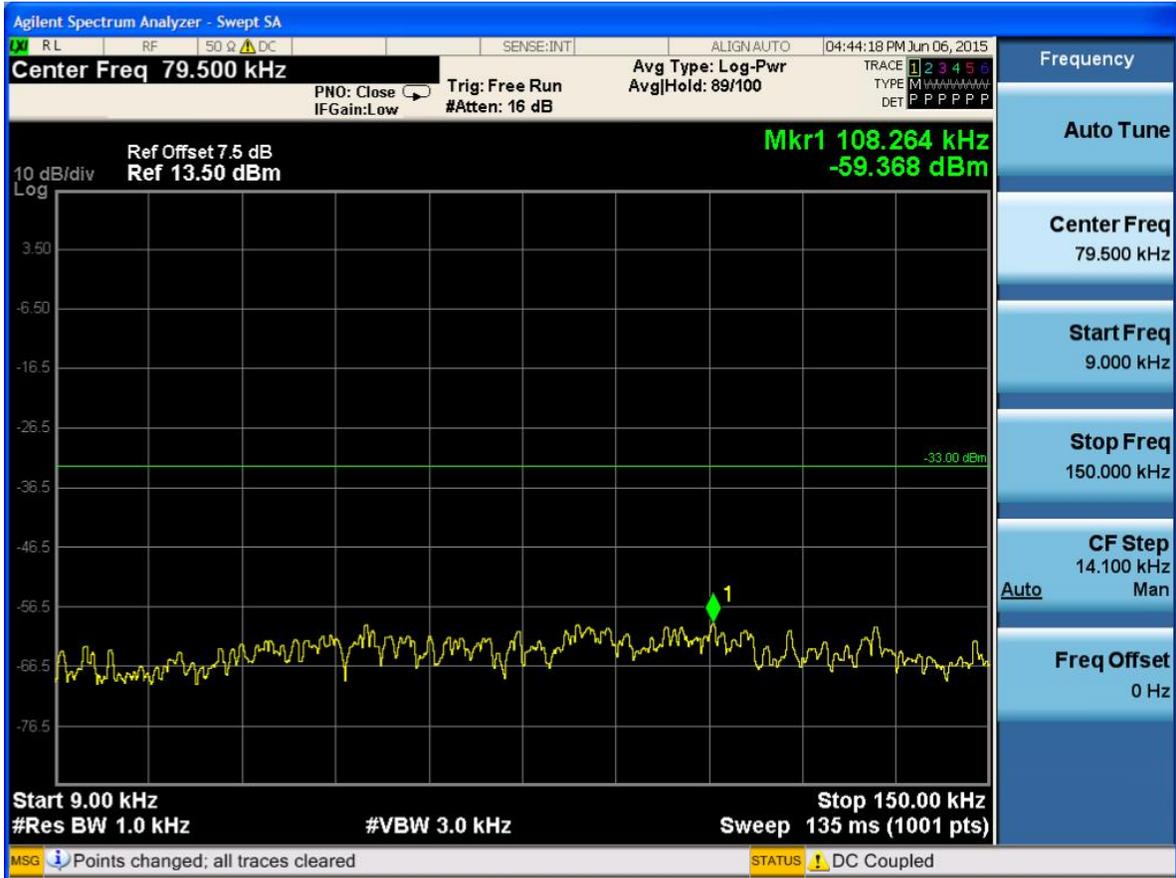
6.1.1.1.3.2.1 Test RB = RB1#0



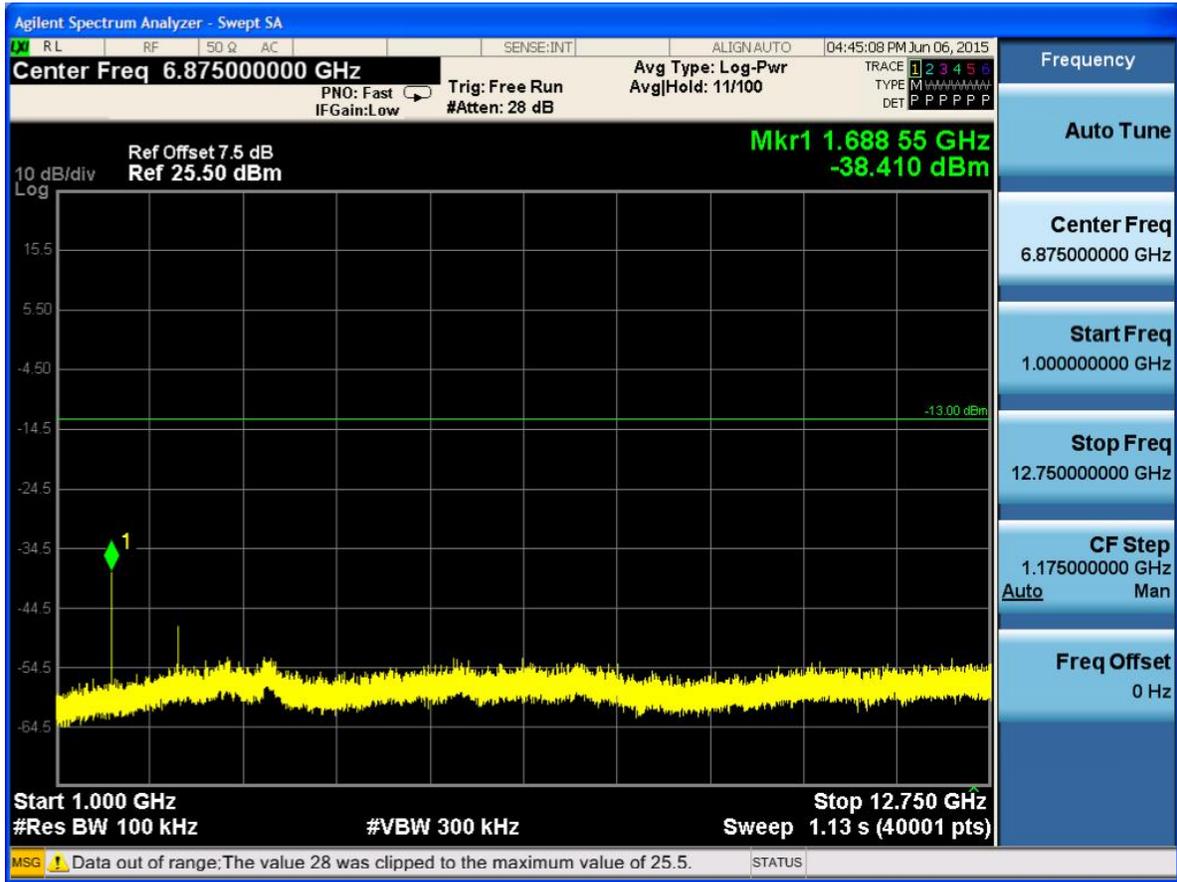


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





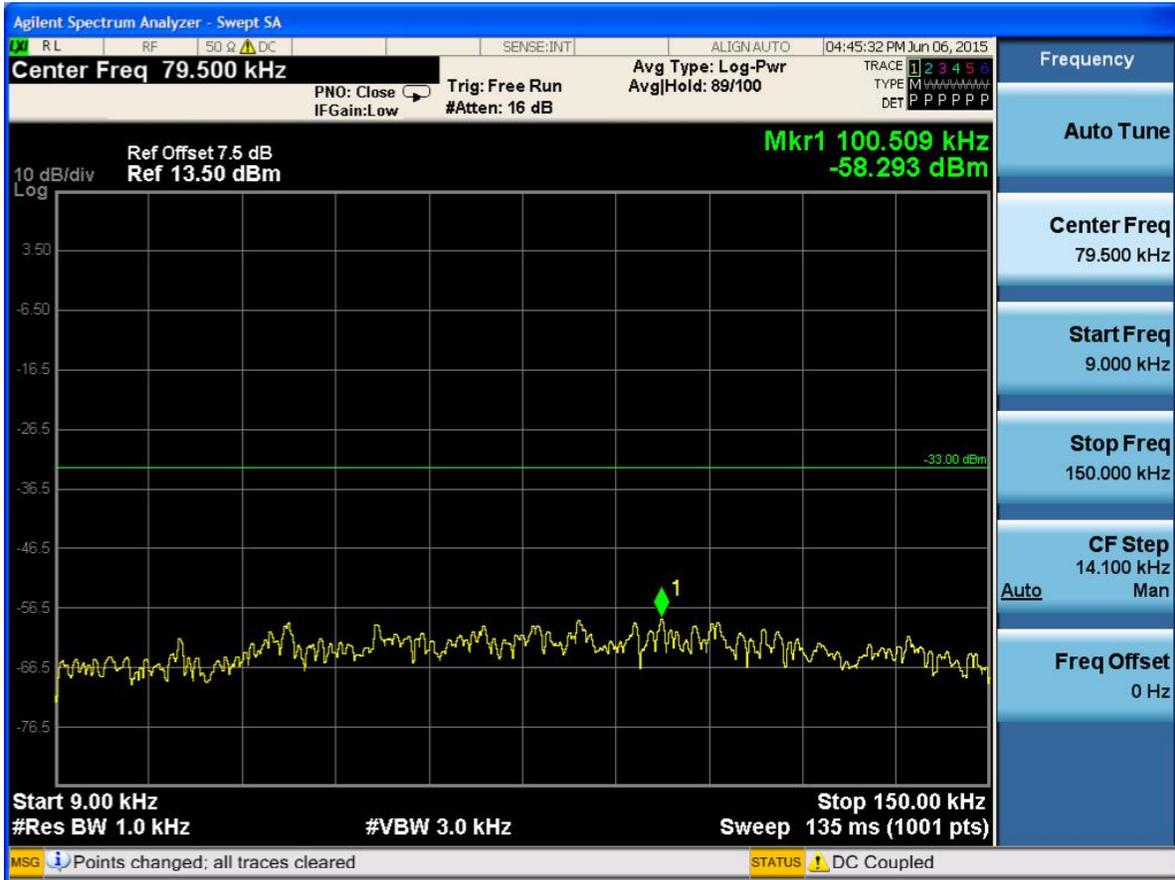




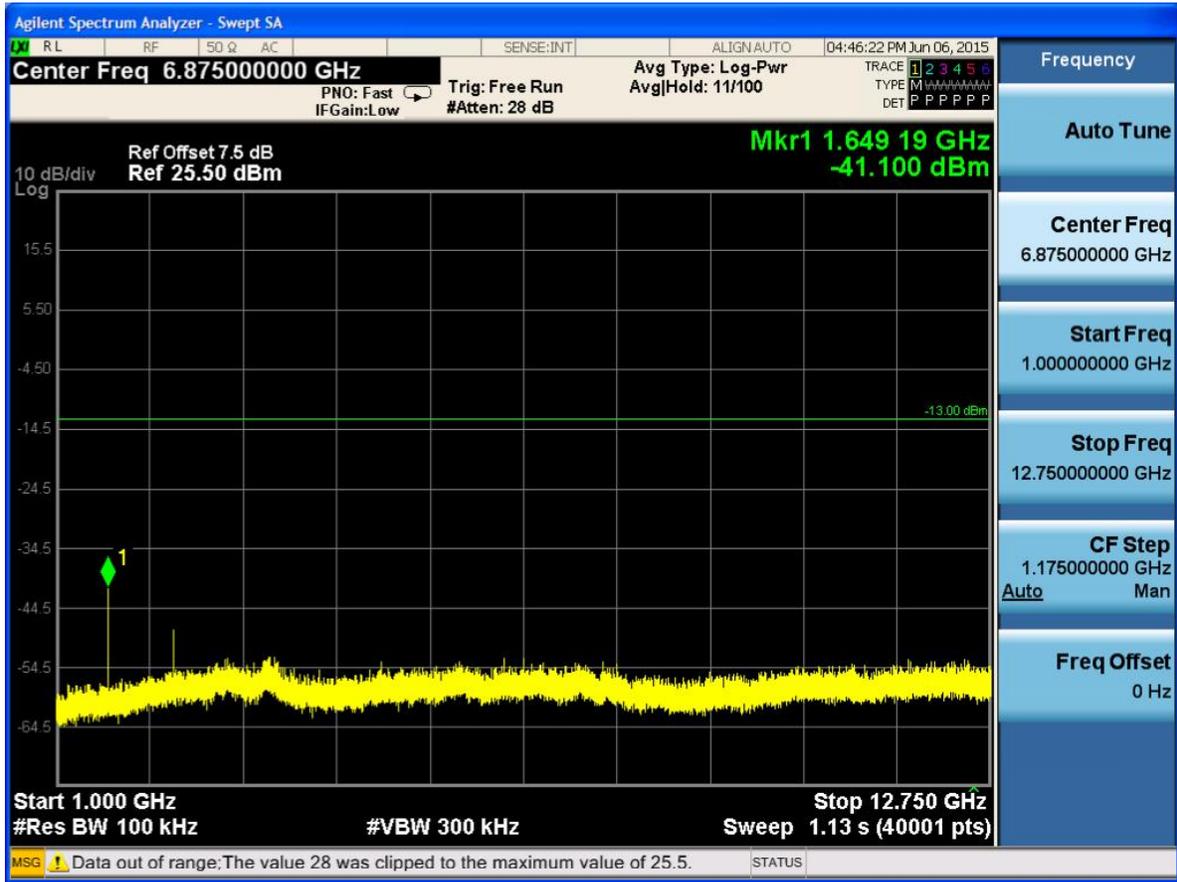
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



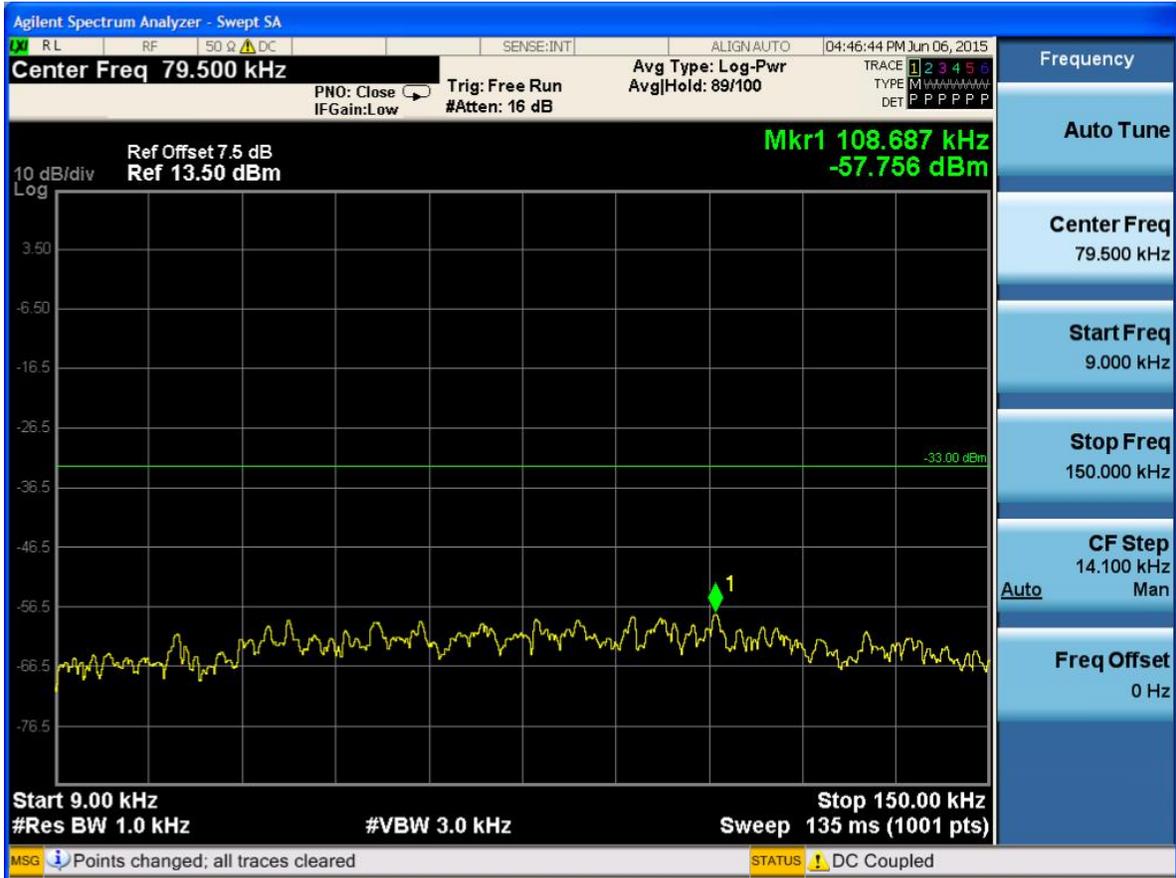


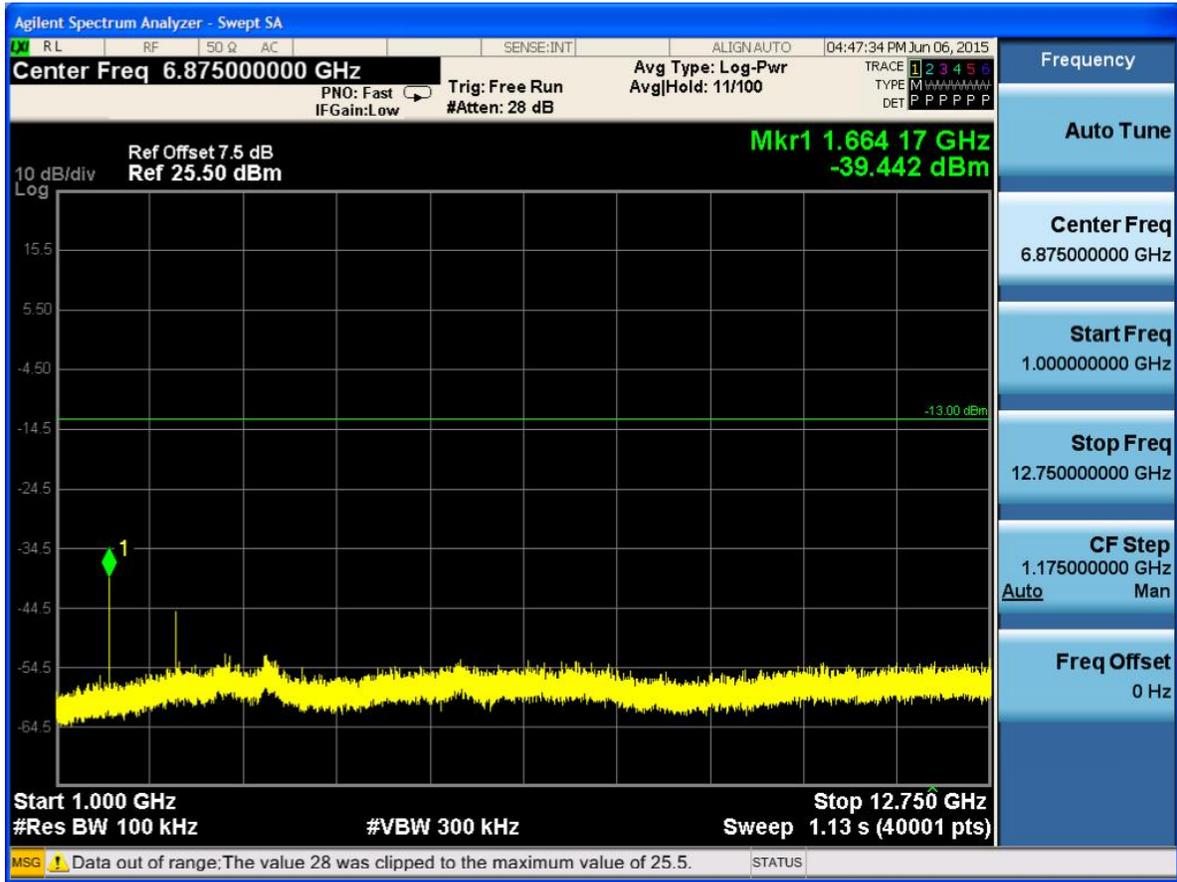




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

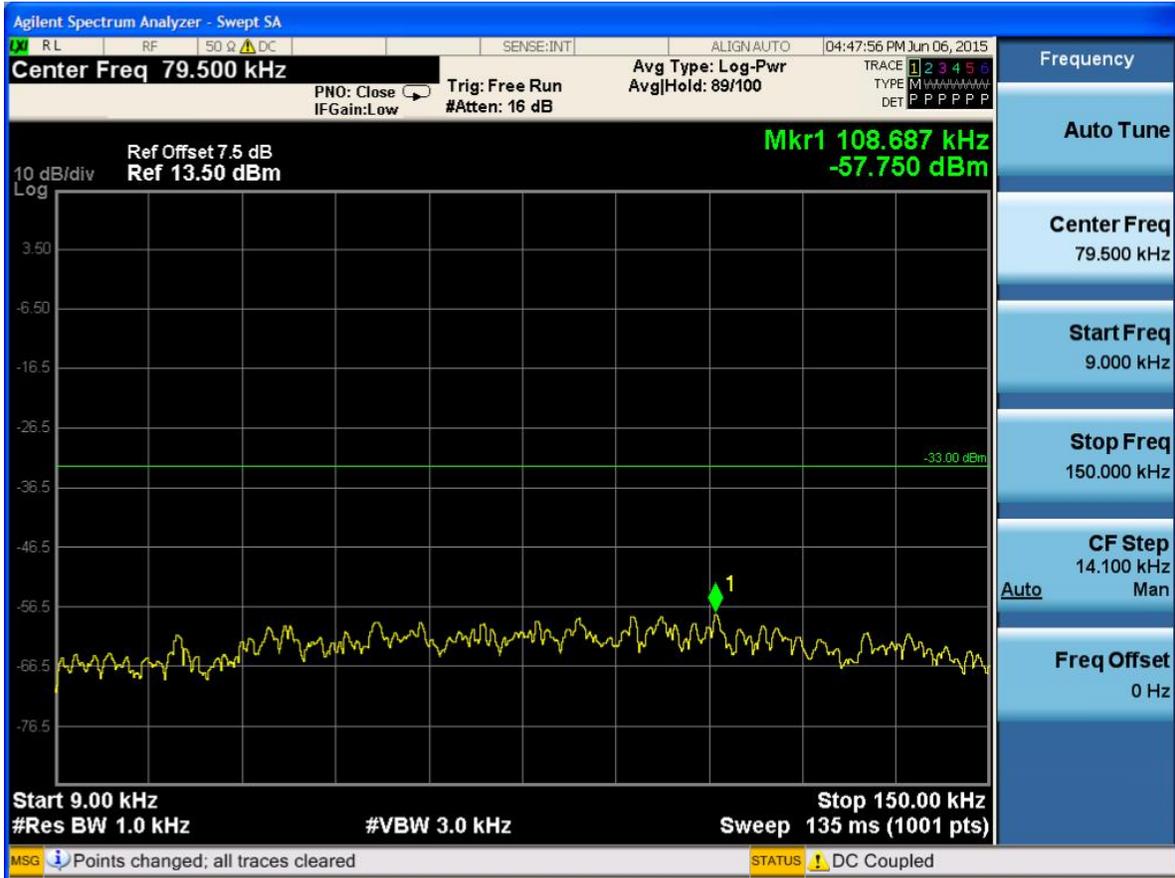


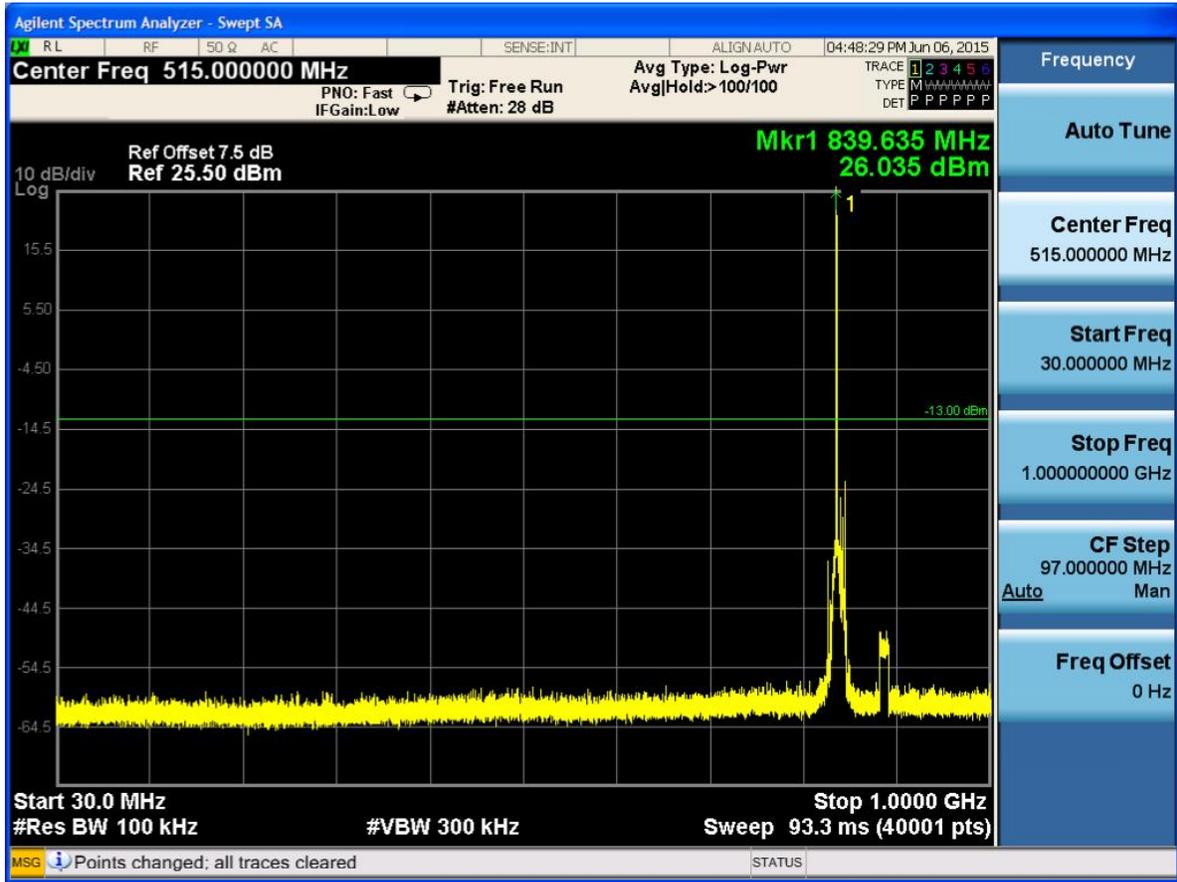




6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





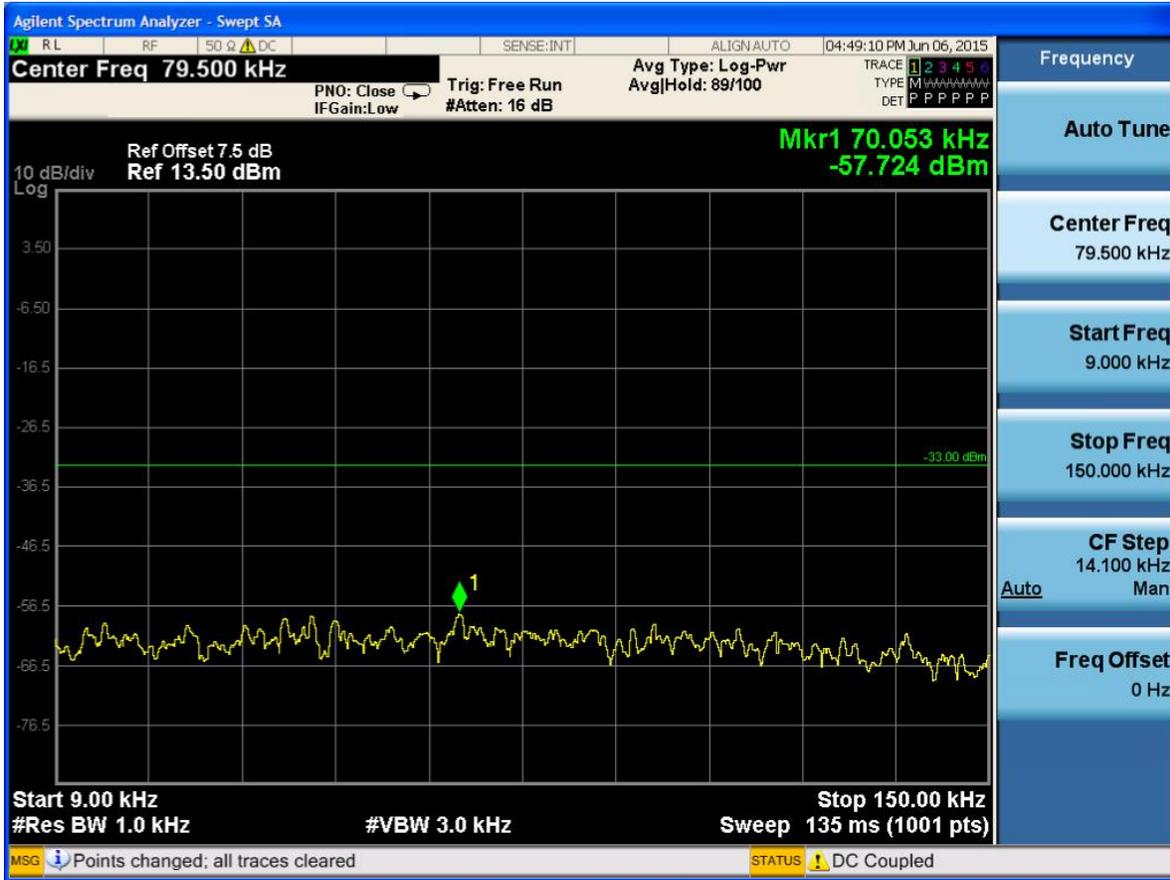


6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

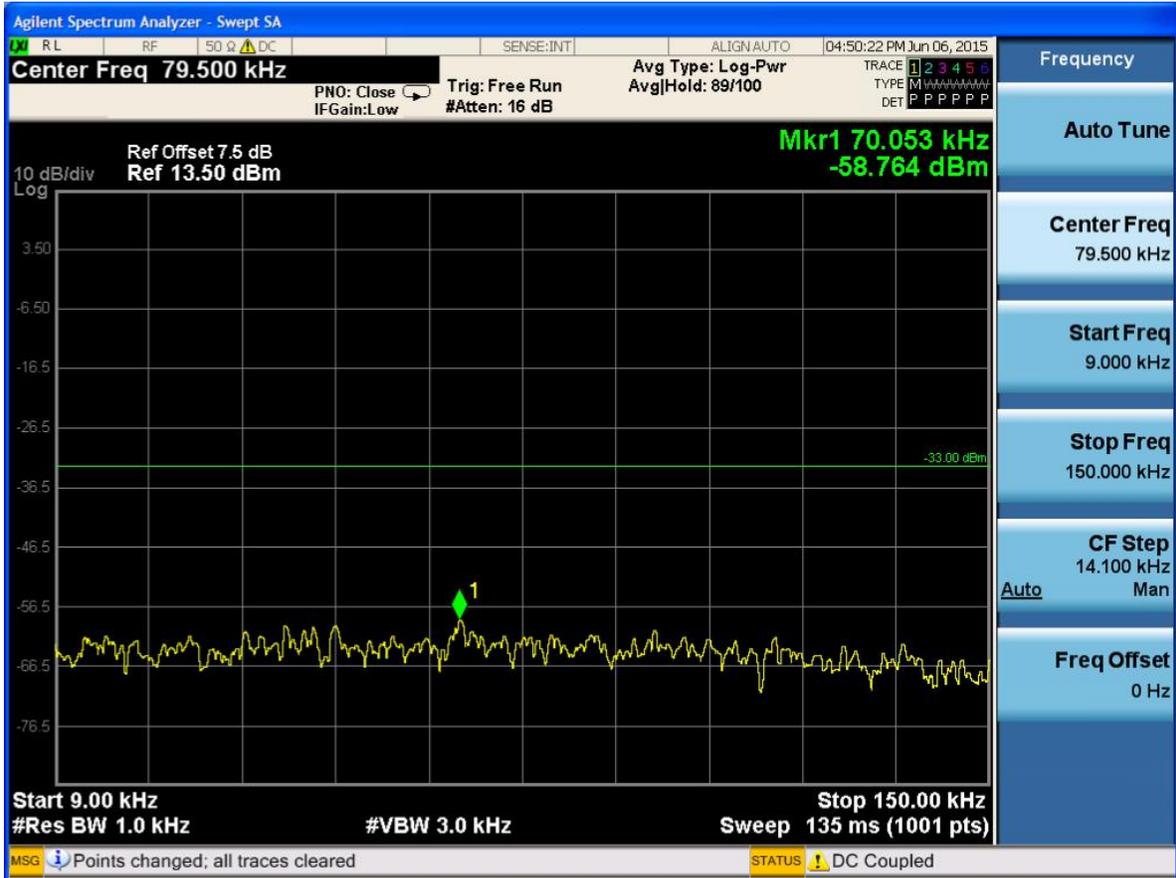
6.1.1.2.1.1.1 Test RB = RB1#0

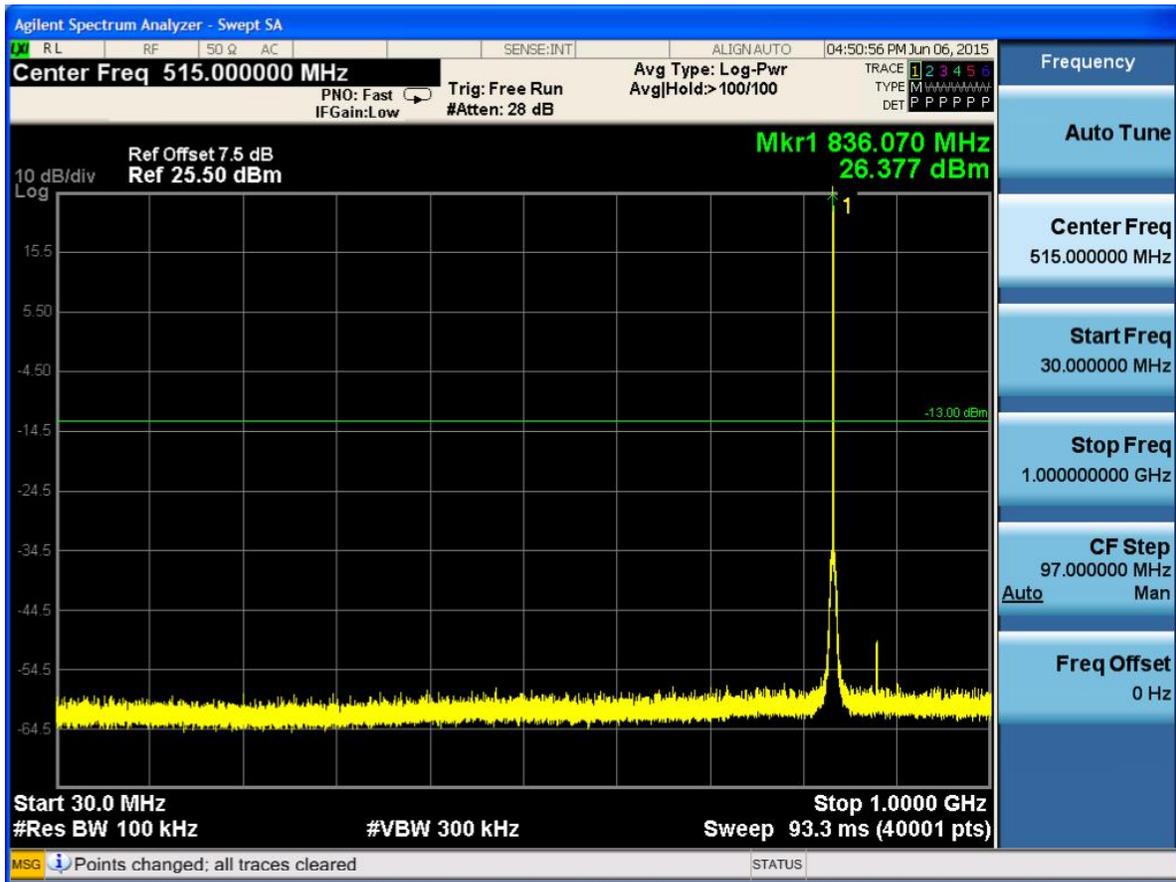




6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

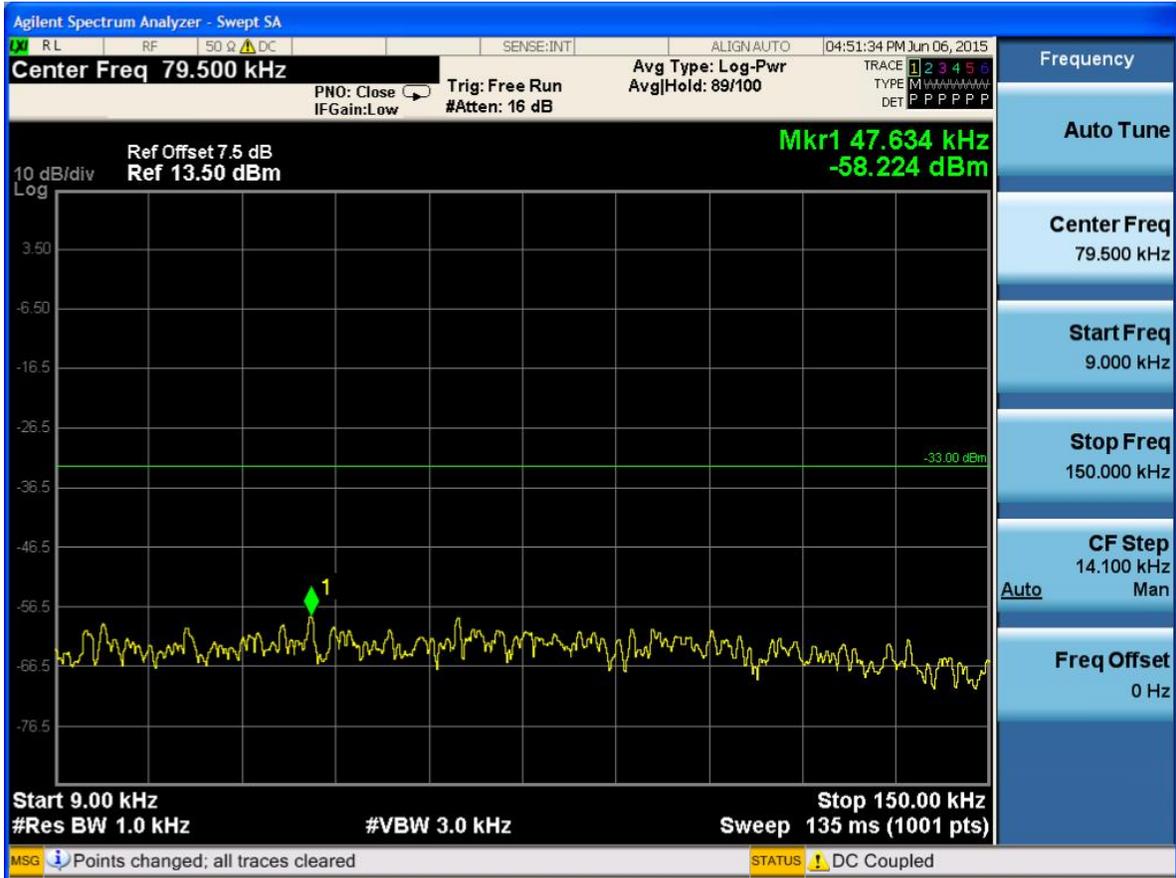






6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0

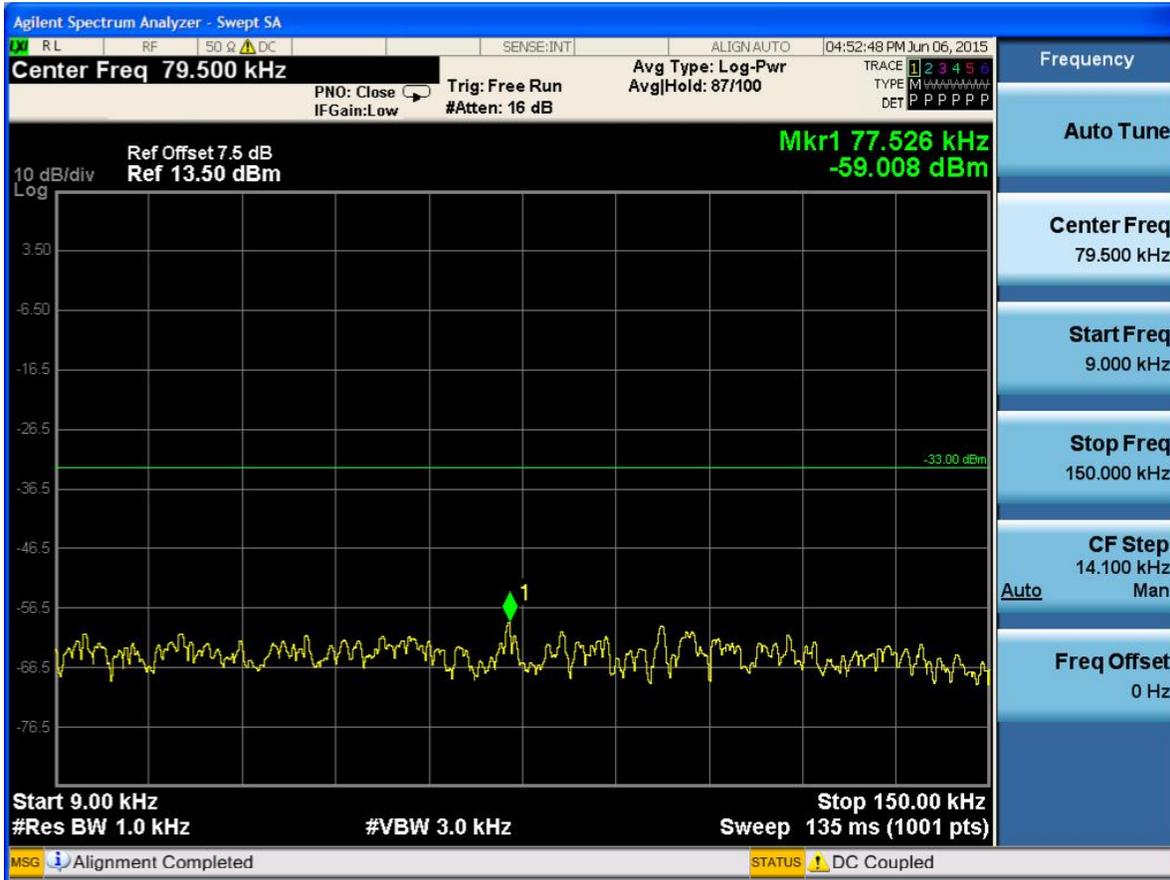




6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

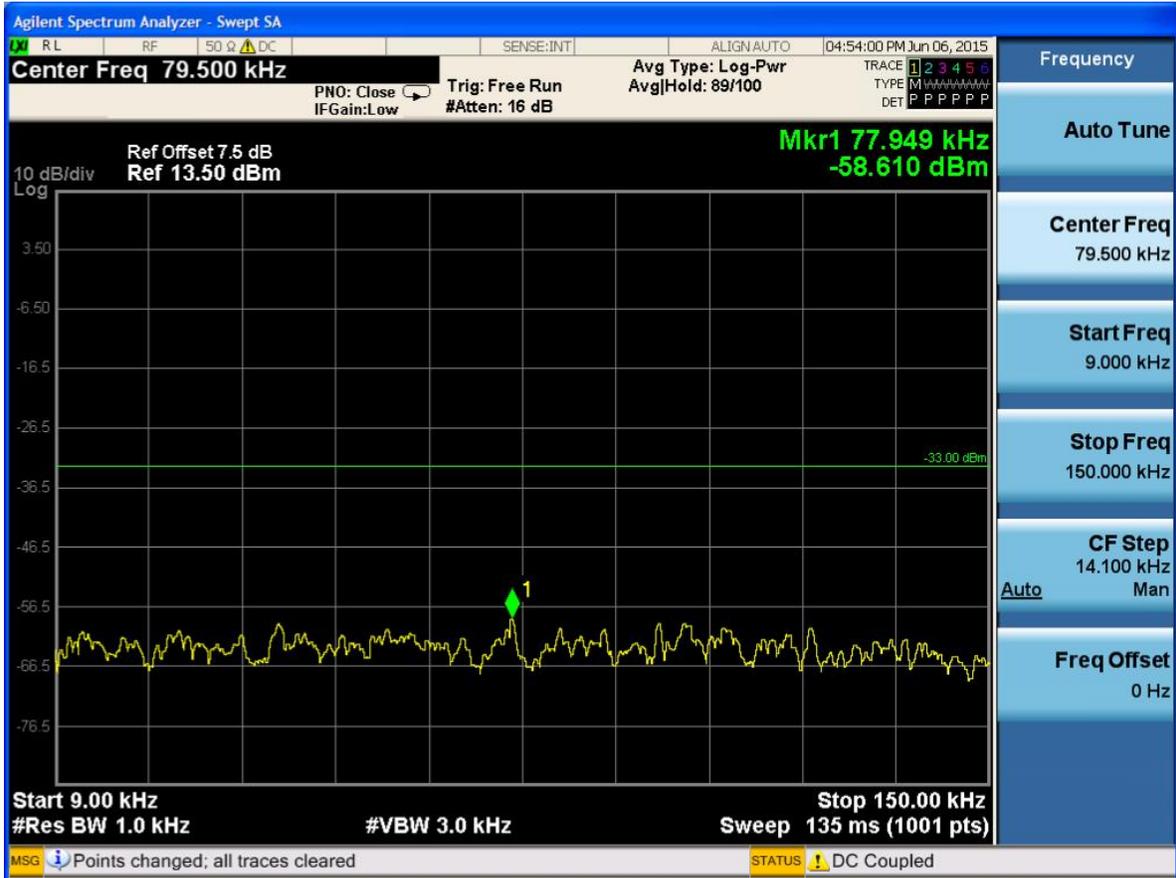
6.1.1.2.2.1.1 Test RB = RB1#0





6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0

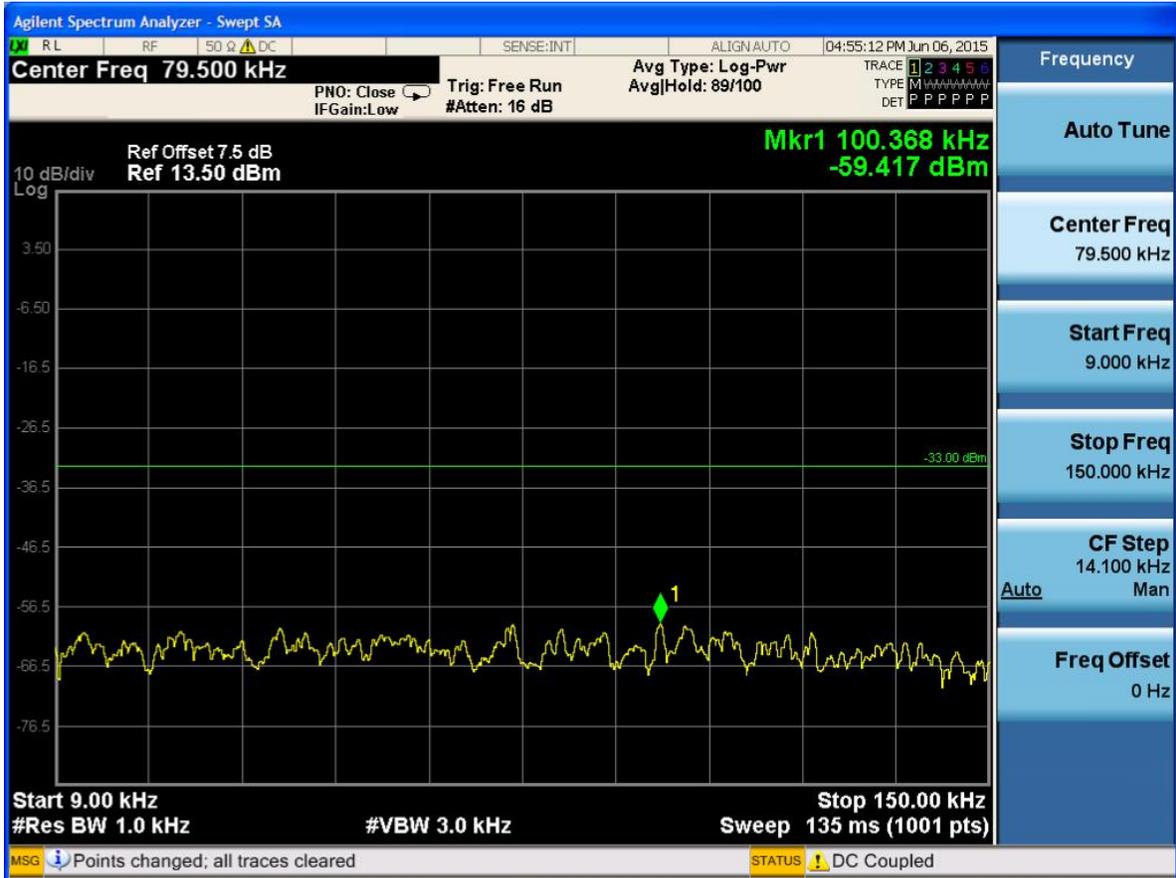






6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0

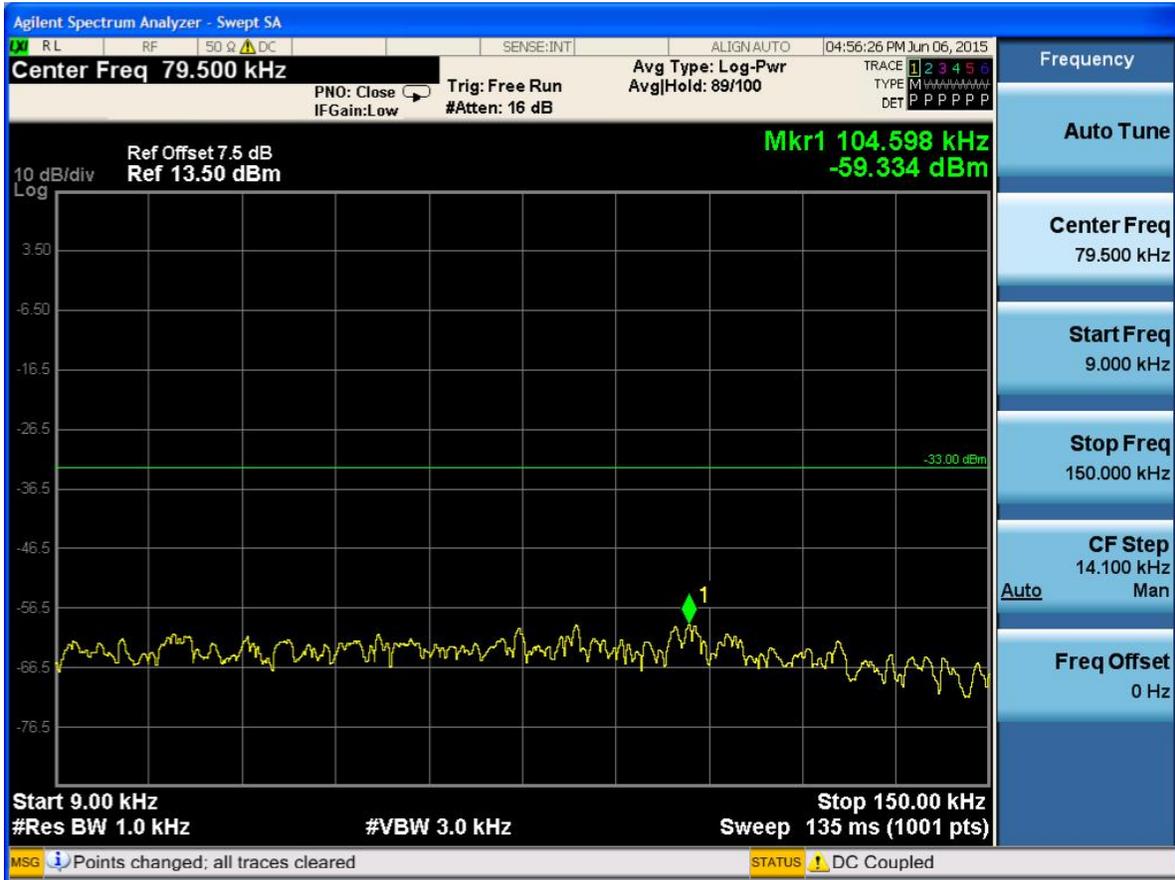




6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

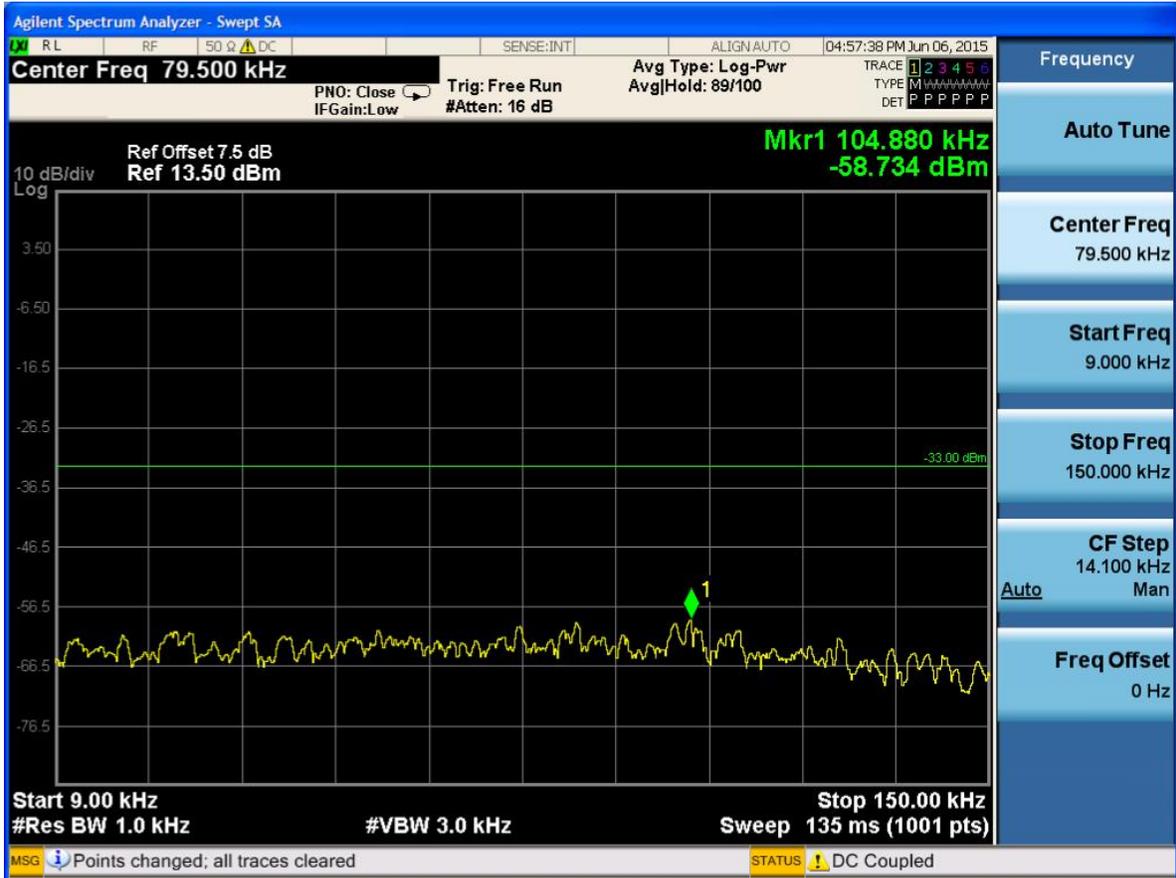
6.1.1.2.3.1.1 Test RB = RB1#0





6.1.1.2.3.2 Test Channel = MCH

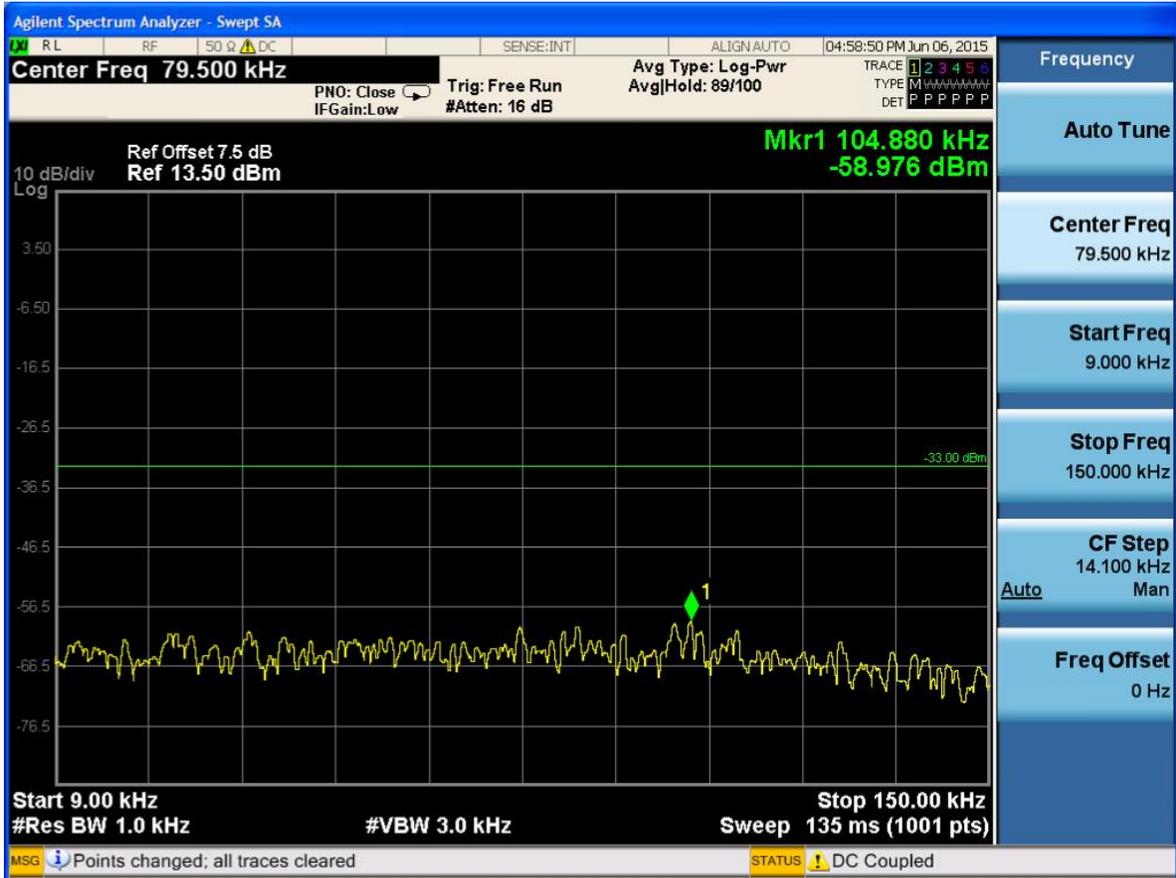
6.1.1.2.3.2.1 Test RB = RB1#0

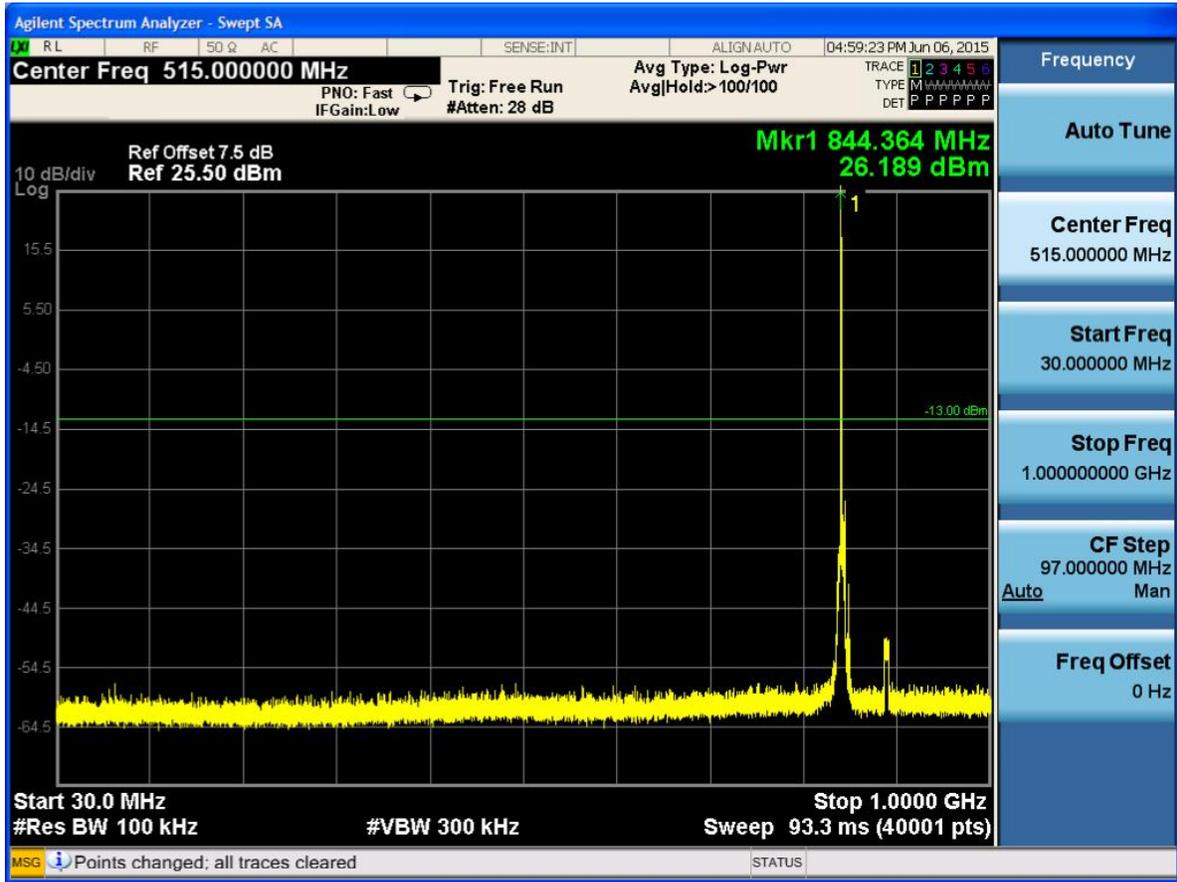




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



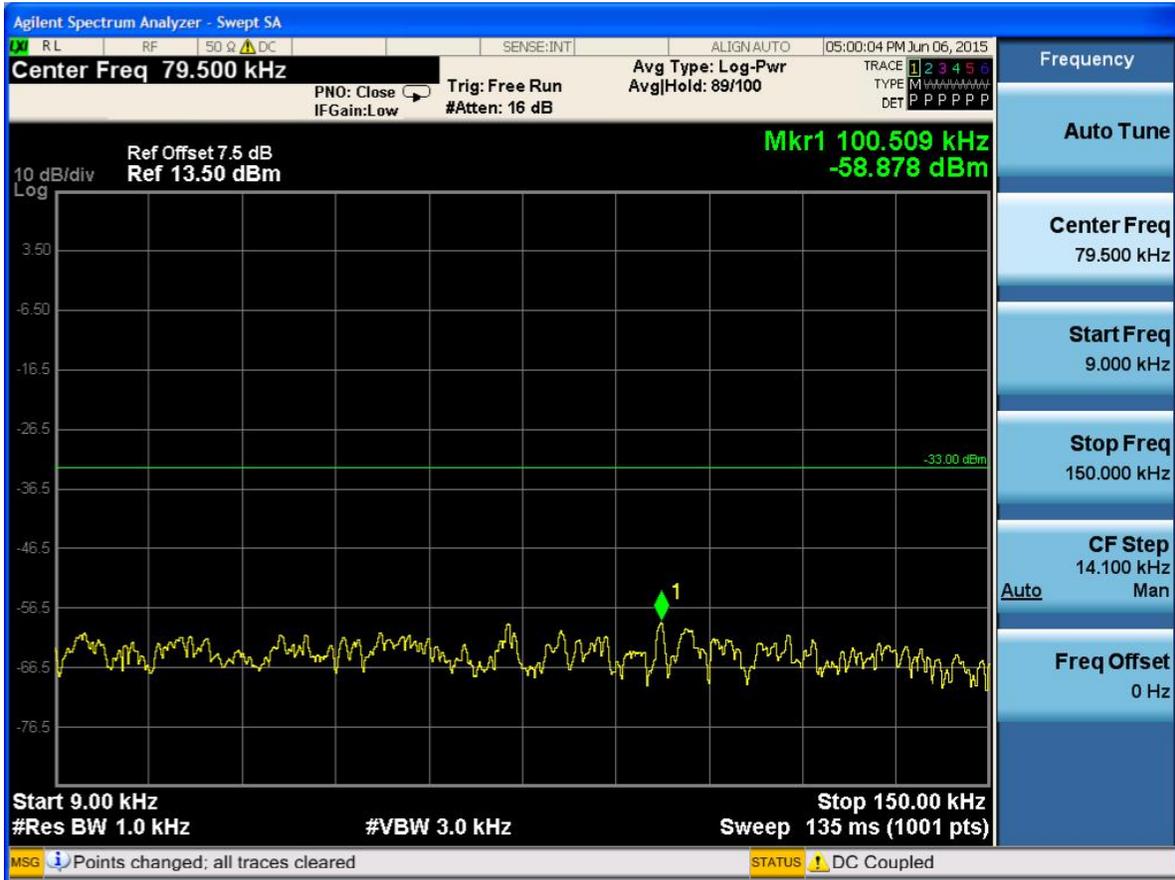


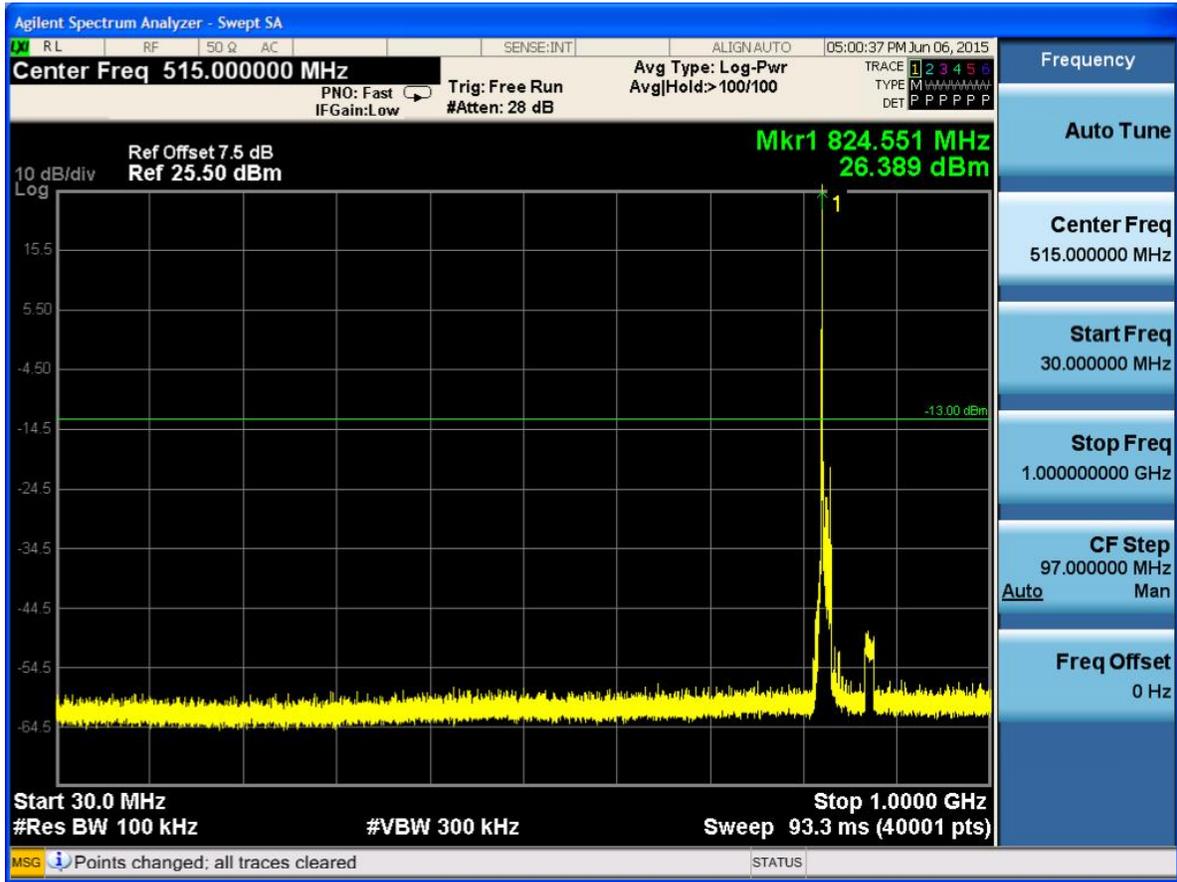


6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

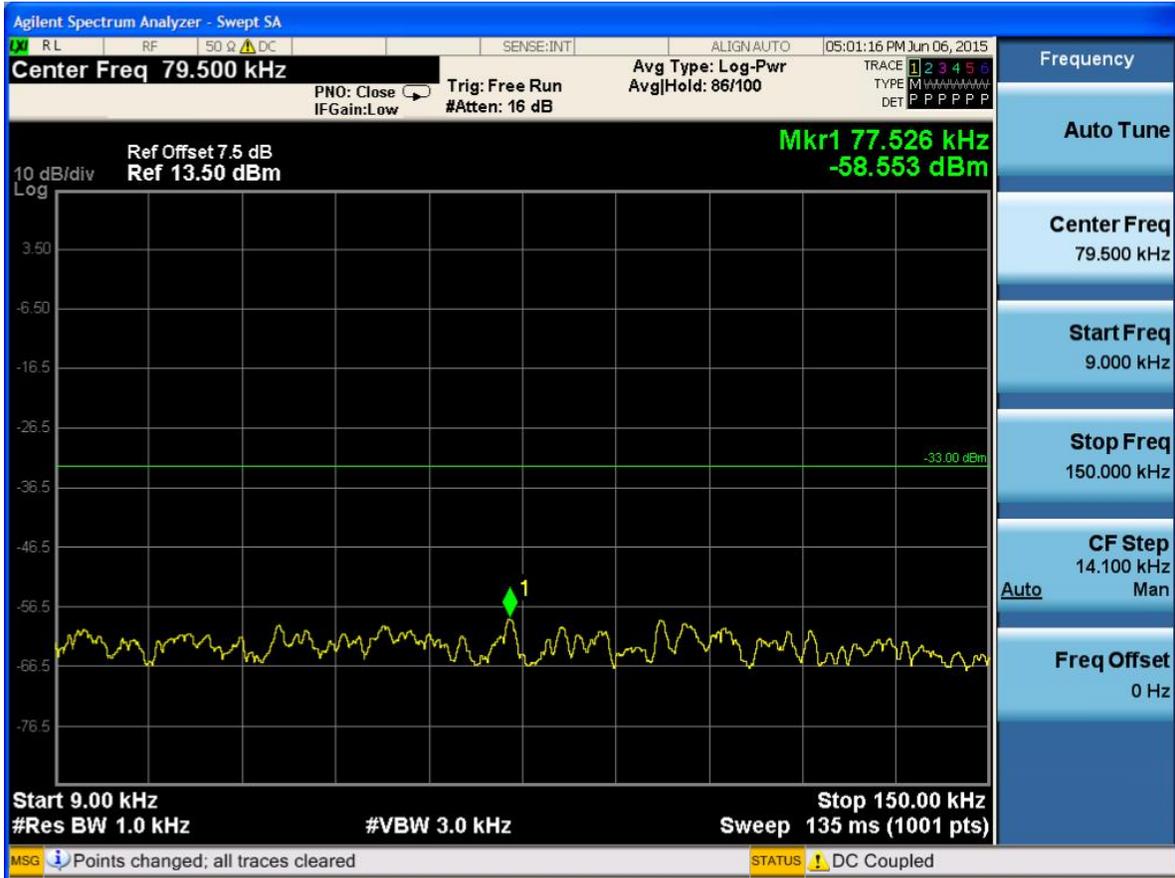






6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

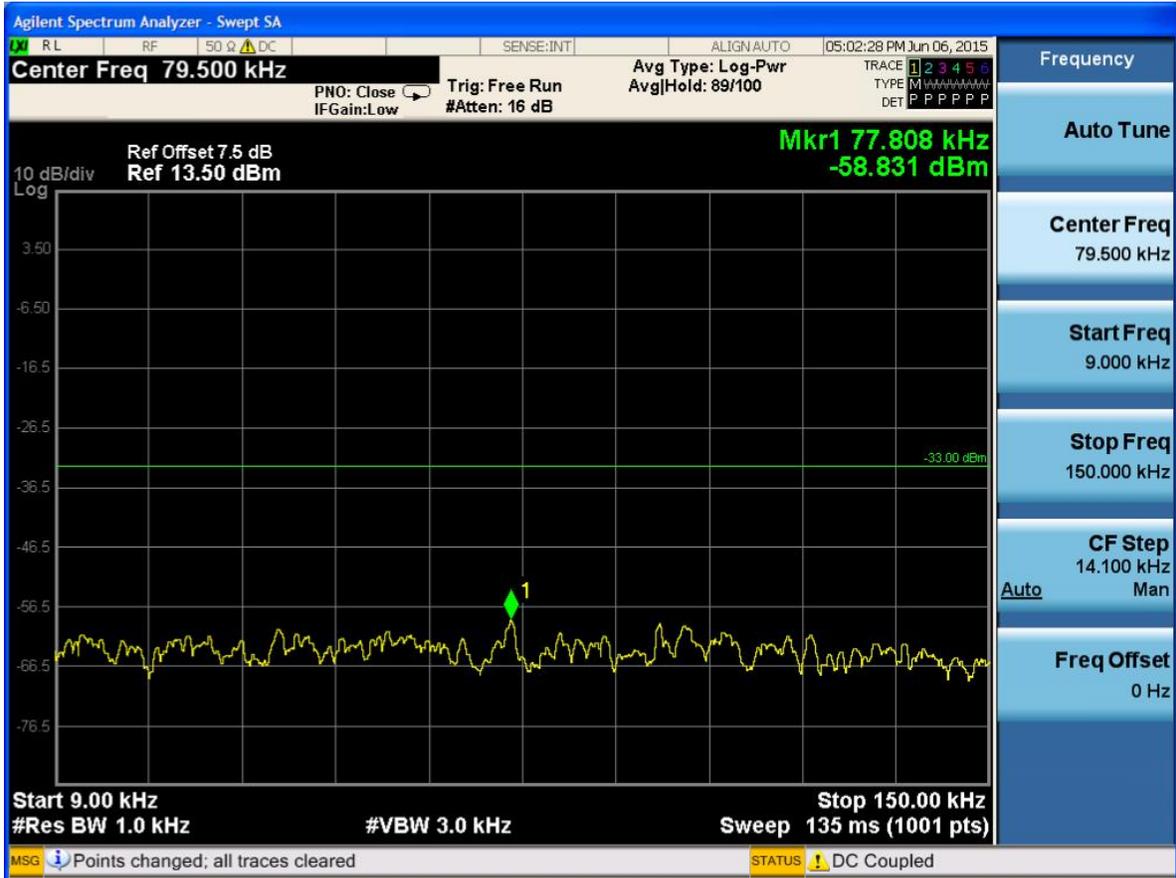






6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0





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

NOTE1: No peak found in the Test Range of "9 kHz to 30MHz"

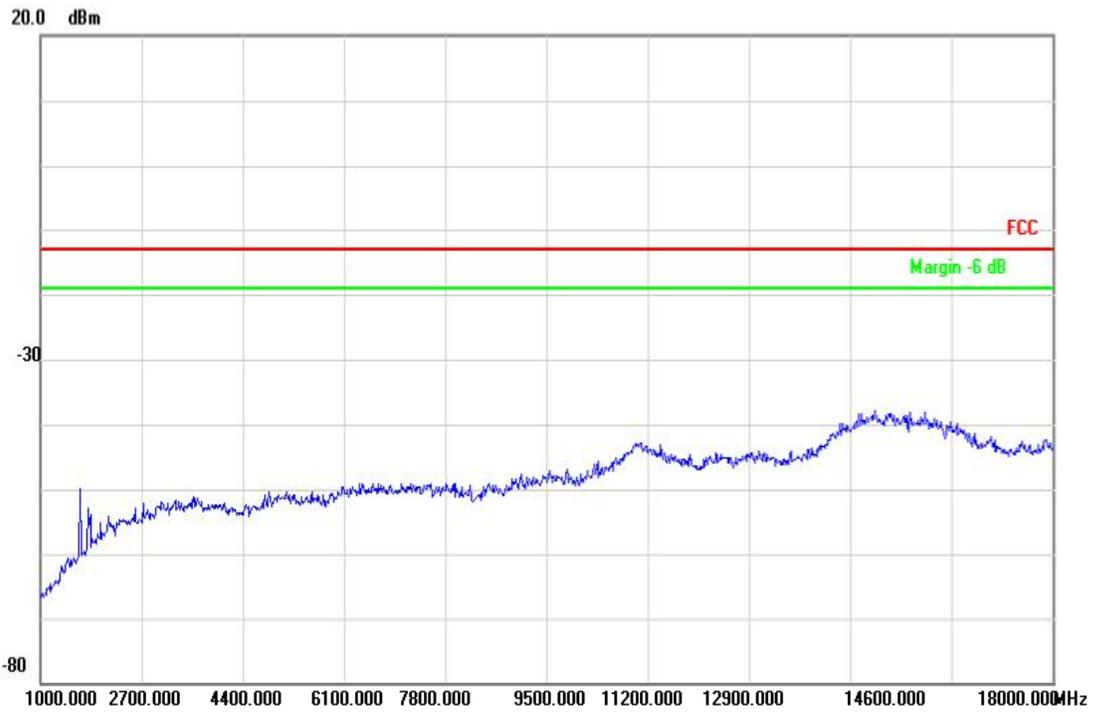
NOTE2: We tested all modes, but the data presented below is the worst case.

Part I - Test Plots

7.1 For LTE

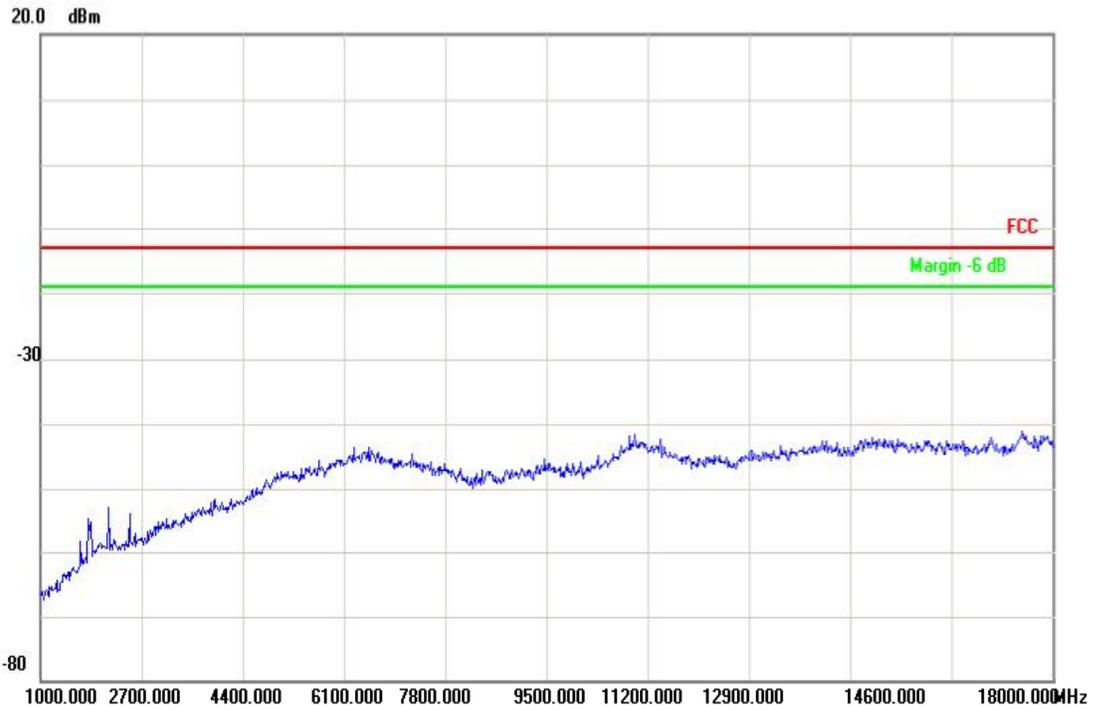
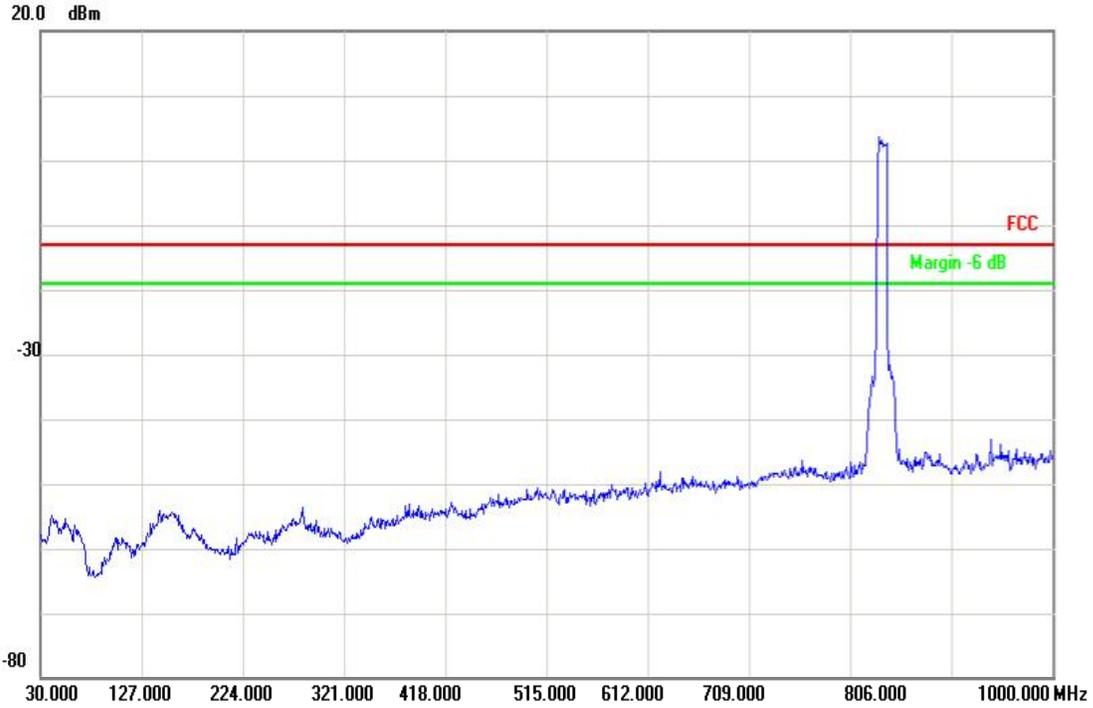
7.1.1 Test Band = BAND5

7.1.1.1 Test Bandwidth = 1.4





7.1.1.3 Test Bandwidth = 10





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]	Verdict
BAND5	LTE/TM1	1.4	LCH	TN	VL	-1.77	-0.00215	PASS
					VN	0.2	0.00024	PASS
					VH	-1.96	-0.00238	PASS
			MCH	TN	VL	-0.72	-0.00086	PASS
					VN	1.33	0.00159	PASS
					VH	-0.72	-0.00086	PASS
			HCH	TN	VL	1.07	0.00126	PASS
					VN	-1.2	-0.00141	PASS
					VH	-0.53	-0.00062	PASS
		3	LCH	TN	VL	0.72	0.00087	PASS
					VN	-0.46	-0.00056	PASS
					VH	-0.5	-0.00061	PASS
			MCH	TN	VL	-0.26	-0.00031	PASS
					VN	-1.66	-0.00198	PASS
					VH	-0.34	-0.00041	PASS
			HCH	TN	VL	-0.01	-0.00001	PASS
					VN	-2.06	-0.00243	PASS
					VH	-1.77	-0.00209	PASS
		5	LCH	TN	VL	-3.13	-0.00379	PASS
					VN	-2.2	-0.00266	PASS
					VH	-1.99	-0.00241	PASS
			MCH	TN	VL	-0.73	-0.00087	PASS
					VN	-1.17	-0.0014	PASS
					VH	-0.41	-0.00049	PASS
			HCH	TN	VL	-0.64	-0.00076	PASS
					VN	-1.89	-0.00223	PASS
					VH	-1	-0.00118	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	VL	0.1	0.00012	PASS	
					VN	-1.47	-0.00177	PASS	
					VH	-0.6	-0.00072	PASS	
			MCH	TN	VL	-0.64	-0.00077	PASS	
					VN	-0.67	-0.0008	PASS	
					VH	-1.77	-0.00212	PASS	
			HCH	TN	VL	-1.83	-0.00217	PASS	
					VN	-1.97	-0.00233	PASS	
					VH	-1.39	-0.00165	PASS	
		LTE/TM2	1.4	LCH	TN	VL	-0.69	-0.00084	PASS
						VN	-2.45	-0.00297	PASS
						VH	-1.53	-0.00186	PASS
				MCH	TN	VL	-0.84	-0.001	PASS
						VN	-0.59	-0.00071	PASS
						VH	-0.5	-0.0006	PASS
				HCH	TN	VL	-0.47	-0.00055	PASS
						VN	-1.02	-0.0012	PASS
						VH	-0.6	-0.00071	PASS
	3		LCH	TN	VL	1.23	0.00149	PASS	
					VN	-0.72	-0.00087	PASS	
					VH	-1.23	-0.00149	PASS	
			MCH	TN	VL	-0.4	-0.00048	PASS	
					VN	-0.99	-0.00118	PASS	
					VH	-0.84	-0.001	PASS	
			HCH	TN	VL	-2.75	-0.00324	PASS	
					VN	-0.27	-0.00032	PASS	
					VH	-1.06	-0.00125	PASS	
	5	LCH	TN	VL	-0.9	-0.00109	PASS		
				VN	-2.3	-0.00278	PASS		
				VH	-1.6	-0.00194	PASS		
		MCH	TN	VL	-1.03	-0.00123	PASS		
				VN	-0.27	-0.00032	PASS		
				VH	-0.24	-0.00029	PASS		
		HCH	TN	VL	-1.75	-0.00207	PASS		
				VN	0.01	0.00001	PASS		
				VH	-1.56	-0.00184	PASS		
	10	LCH	TN	VL	-1.6	-0.00193	PASS		
				VN	-0.79	-0.00095	PASS		
				VH	-1.99	-0.0024	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	0.09	0.00011	PASS
					VN	0.62	0.00074	PASS
					VH	-1.66	-0.00198	PASS
			HCH	TN	VL	-14.28	-0.01692	PASS
					VN	-10.29	-0.01219	PASS
					VH	-1.19	-0.00141	PASS

8.1.2 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
BAND5	LTE/TM1	1.4	LCH	VN	-30	-2.2	-0.00267	PASS
					-20	-2.03	-0.00246	PASS
					-10	-2.02	-0.00245	PASS
					0	-0.53	-0.00064	PASS
					10	-3.91	-0.00474	PASS
					20	-2.16	-0.00262	PASS
					30	-2.59	-0.00314	PASS
					40	-1.79	-0.00217	PASS
					50	-2.33	-0.00283	PASS
			MCH	VN	-30	-3.09	-0.00369	PASS
					-20	-0.67	-0.0008	PASS
					-10	0.41	0.00049	PASS
					0	-0.1	-0.00012	PASS
					10	-0.31	-0.00037	PASS
					20	-0.3	-0.00036	PASS
					30	-0.5	-0.0006	PASS
					40	-0.57	-0.00068	PASS
					50	0	0	PASS
			HCH	VN	-30	-3.49	-0.00411	PASS
					-20	-0.07	-0.00008	PASS
					-10	-5.62	-0.00663	PASS
					0	0.36	0.00042	PASS
					10	-1.13	-0.00133	PASS
					20	0.69	0.00081	PASS
30	-0.99	-0.00117			PASS			
40	-0.09	-0.00011			PASS			
50	-0.69	-0.00081			PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		3	LCH	VN	-30	0.57	0.00069	PASS
					-20	0.26	0.00031	PASS
					-10	0.2	0.00024	PASS
					0	-0.7	-0.00085	PASS
					10	-0.4	-0.00048	PASS
					20	1.12	0.00136	PASS
					30	0.86	0.00104	PASS
					40	0.94	0.00114	PASS
					50	0.07	0.00008	PASS
			MCH	VN	-30	-1.06	-0.00127	PASS
					-20	-0.26	-0.00031	PASS
					-10	-0.09	-0.00011	PASS
					0	-0.07	-0.00008	PASS
					10	-0.72	-0.00086	PASS
					20	0.1	0.00012	PASS
					30	-2.12	-0.00253	PASS
					40	0.56	0.00067	PASS
			HCH	VN	-30	-2.92	-0.00345	PASS
		-20			-2.42	-0.00286	PASS	
		-10			-0.07	-0.00008	PASS	
		0			-2.37	-0.0028	PASS	
		10			-1.09	-0.00129	PASS	
		20			-2.86	-0.00337	PASS	
		30			-1.46	-0.00172	PASS	
		40			-2.83	-0.00334	PASS	
		5	LCH	VN	-30	-2.13	-0.00258	PASS
					-20	-2.82	-0.00341	PASS
					-10	-3.49	-0.00422	PASS
					0	-2.19	-0.00265	PASS
					10	-1.13	-0.00137	PASS
					20	-1.44	-0.00174	PASS
					30	-1.97	-0.00238	PASS
					40	-2.43	-0.00294	PASS
					50	-0.79	-0.00096	PASS
			MCH	VN	-30	-1.1	-0.00132	PASS
		-20			-0.76	-0.00091	PASS	
-10	-0.41	-0.00049			PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					0	-0.47	-0.00056	PASS					
					10	-0.59	-0.00071	PASS					
					20	0.26	0.00031	PASS					
					30	-0.2	-0.00024	PASS					
					40	-1.07	-0.00128	PASS					
					50	-1.42	-0.0017	PASS					
			HCH	VN				-30	0.04	0.00005	PASS		
								-20	-1.17	-0.00138	PASS		
								-10	0.34	0.0004	PASS		
								0	1.26	0.00149	PASS		
								10	1.23	0.00145	PASS		
								20	2.1	0.00248	PASS		
								30	-1.02	-0.0012	PASS		
								40	-1.03	-0.00122	PASS		
		10			LCH	VN	-30	-0.14	-0.00017	PASS			
							-20	-1.39	-0.00168	PASS			
							-10	-1.73	-0.00209	PASS			
							0	-0.66	-0.0008	PASS			
							10	-0.79	-0.00095	PASS			
							20	-1.57	-0.00189	PASS			
							30	-0.82	-0.00099	PASS			
					40	0.27	0.00033	PASS					
					50	0.99	0.00119	PASS					
					MCH	VN				-30	-0.23	-0.00027	PASS
										-20	-0.03	-0.00004	PASS
										-10	-0.33	-0.00039	PASS
										0	-0.09	-0.00011	PASS
										10	-1.1	-0.00132	PASS
		20	-1.12	-0.00134						PASS			
		30	-0.34	-0.00041						PASS			
		40	-0.06	-0.00007	PASS								
		50	-0.63	-0.00075	PASS								
		HCH	VN				-30	-1.06	-0.00126	PASS			
							-20	-1.13	-0.00134	PASS			
							-10	-1.27	-0.0015	PASS			
							0	-1.8	-0.00213	PASS			
							10	-2.55	-0.00302	PASS			
							20	-2.9	-0.00344	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	30	-2.72	-0.00322	PASS
					40	-3.09	-0.00366	PASS
					50	-3.3	-0.00391	PASS
					-30	-1.6	-0.00194	PASS
					-20	-0.4	-0.00049	PASS
			-10	-1.7	-0.00206	PASS		
			0	-1	-0.00121	PASS		
			10	-2.07	-0.00251	PASS		
			20	-1.67	-0.00202	PASS		
			30	-4.15	-0.00503	PASS		
			40	-3.18	-0.00386	PASS		
			50	-3.85	-0.00467	PASS		
			MCH	VN	-30	-0.83	-0.00099	PASS
					-20	-0.2	-0.00024	PASS
					-10	0.49	0.00059	PASS
		0			-0.46	-0.00055	PASS	
		10			-2.3	-0.00275	PASS	
		20	-1.62	-0.00194	PASS			
		30	0.77	0.00092	PASS			
		40	-1.03	-0.00123	PASS			
		50	-0.09	-0.00011	PASS			
		HCH	VN	-30	-0.82	-0.00097	PASS	
				-20	-0.69	-0.00081	PASS	
				-10	-1.67	-0.00197	PASS	
				0	1.06	0.00125	PASS	
				10	-0.09	-0.00011	PASS	
		20	-1.7	-0.002	PASS			
		30	0.27	0.00032	PASS			
		40	-1.26	-0.00149	PASS			
		50	-1.9	-0.00224	PASS			
3	LCH	VN	-30	0.59	0.00071	PASS		
			-20	-0.67	-0.00081	PASS		
			-10	-1.09	-0.00132	PASS		
			0	1.2	0.00145	PASS		
			10	0.44	0.00053	PASS		
			20	-0.76	-0.00092	PASS		
			30	-2.12	-0.00257	PASS		
			40	-1.14	-0.00138	PASS		
			50	0.16	0.00019	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	-1.16	-0.00139	PASS
					-20	-1.34	-0.0016	PASS
					-10	-1.49	-0.00178	PASS
					0	-1.27	-0.00152	PASS
					10	-0.36	-0.00043	PASS
					20	-2.02	-0.00241	PASS
					30	-1.23	-0.00147	PASS
					40	-1.06	-0.00127	PASS
					50	-0.46	-0.00055	PASS
			HCH	VN	-30	-2.89	-0.00341	PASS
					-20	-2.02	-0.00238	PASS
					-10	-1.12	-0.00132	PASS
					0	-3.16	-0.00373	PASS
					10	-1.14	-0.00135	PASS
					20	-1.23	-0.00145	PASS
					30	-1.02	-0.0012	PASS
					40	-1.89	-0.00223	PASS
					50	-1.56	-0.00184	PASS
		5	LCH	VN	-30	-2.53	-0.00306	PASS
					-20	-0.59	-0.00071	PASS
					-10	-0.74	-0.0009	PASS
					0	-0.87	-0.00105	PASS
					10	-1.5	-0.00181	PASS
					20	-1.9	-0.0023	PASS
					30	-0.3	-0.00036	PASS
					40	-0.74	-0.0009	PASS
					50	-2.35	-0.00284	PASS
			MCH	VN	-30	-0.39	-0.00047	PASS
					-20	-1.03	-0.00123	PASS
					-10	-0.64	-0.00077	PASS
					0	-0.37	-0.00044	PASS
					10	0.03	0.00004	PASS
					20	-1.19	-0.00142	PASS
					30	-0.7	-0.00084	PASS
					40	-0.27	-0.00032	PASS
					50	-1.13	-0.00135	PASS
HCH	VN	-30	-0.2	-0.00024	PASS			
		-20	-0.16	-0.00019	PASS			
		-10	-0.23	-0.00027	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-0.82	-0.00097	PASS		
					10	-0.54	-0.00064	PASS		
					20	-1.4	-0.00165	PASS		
					30	-0.51	-0.0006	PASS		
					40	-1.44	-0.0017	PASS		
					50	0.19	0.00022	PASS		
		10	LCH	VN	-30	-1.13	-0.00136	PASS		
					-20	-0.73	-0.00088	PASS		
					-10	-0.3	-0.00036	PASS		
					0	-2.56	-0.00309	PASS		
					10	-1.87	-0.00226	PASS		
					20	-2.27	-0.00274	PASS		
					30	-1.49	-0.0018	PASS		
					40	-2.22	-0.00268	PASS		
					50	-1.33	-0.0016	PASS		
					MCH	VN	-30	-0.76	-0.00091	PASS
							-20	-1.32	-0.00158	PASS
							-10	-2.09	-0.0025	PASS
							0	-1.72	-0.00206	PASS
							10	-0.59	-0.00071	PASS
							20	-1.2	-0.00143	PASS
							30	-1.13	-0.00135	PASS
							40	-1.04	-0.00124	PASS
					HCH	VN	-30	-0.19	-0.00023	PASS
		-20	-0.97	-0.00115			PASS			
		-10	-1.4	-0.00166			PASS			
		0	-1.75	-0.00207			PASS			
		10	-0.57	-0.00068			PASS			
		20	-0.86	-0.00102			PASS			
		30	-1.76	-0.00209			PASS			
40	-1.85	-0.00219	PASS							
50	-1.6	-0.0019	PASS							

END