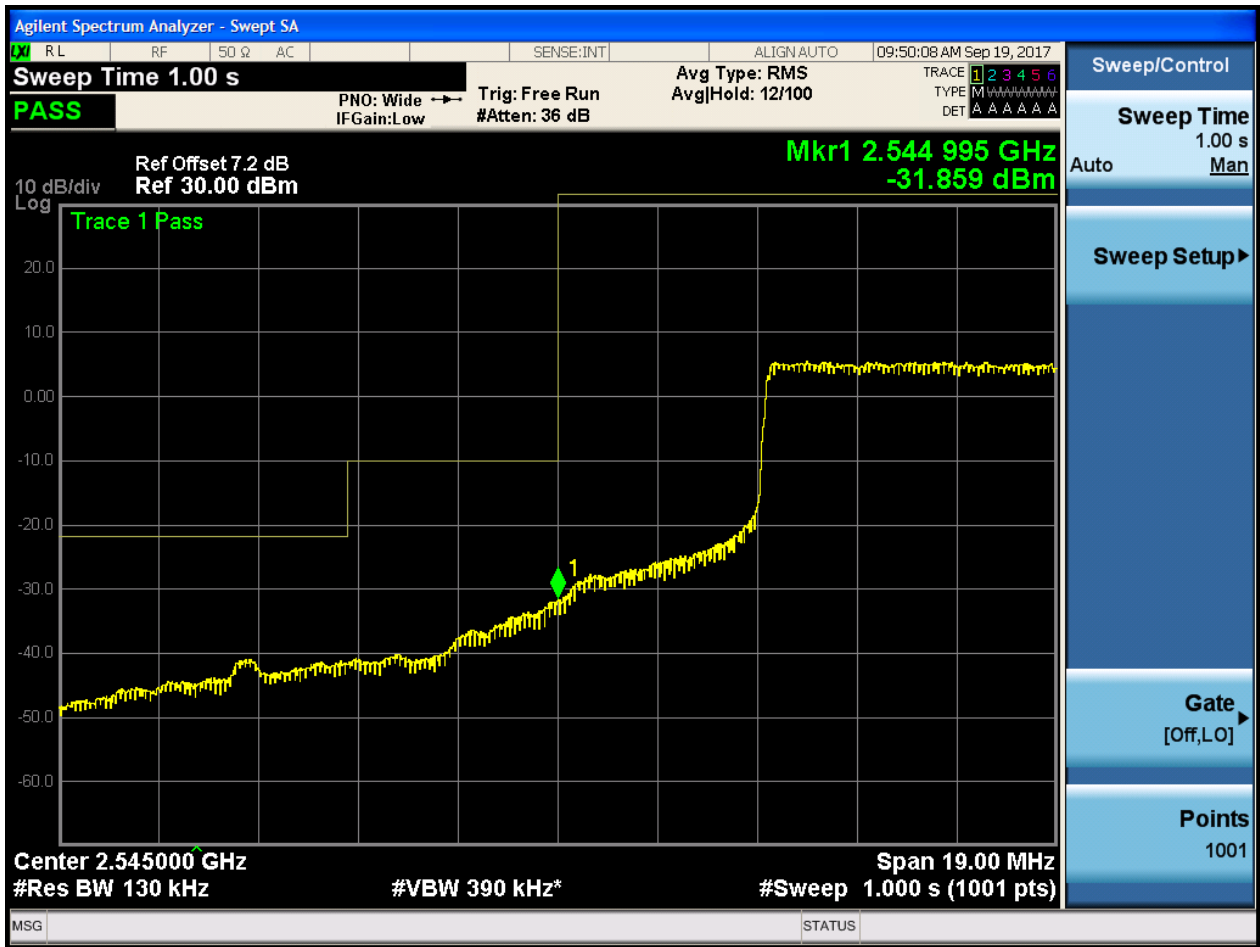




5.1.1.2.3.1.3 Test RB = RB36#18





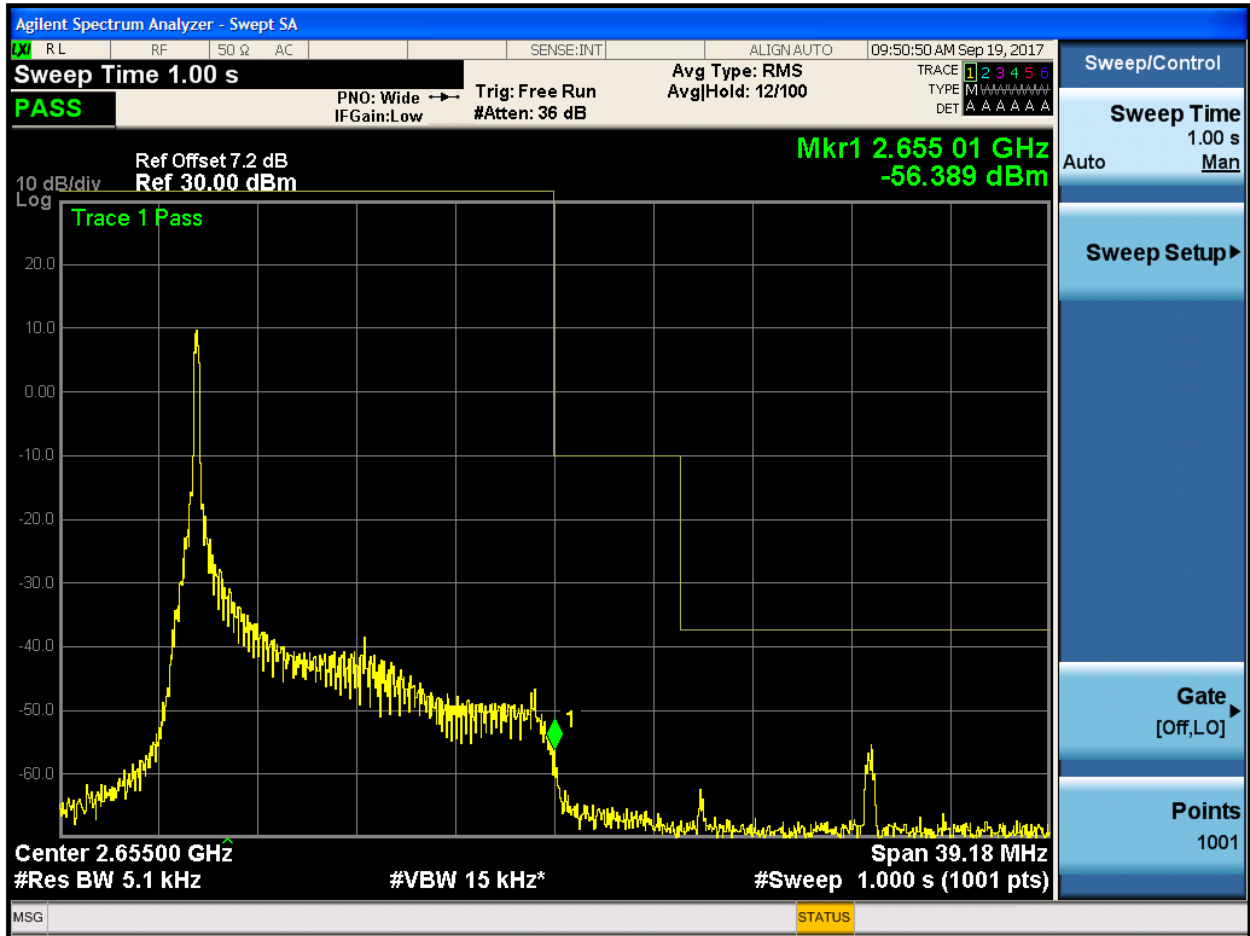
5.1.1.2.3.1.4 Test RB = RB75#0





5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#74





5.1.1.2.3.2.3 Test RB = RB36#18





5.1.1.2.3.2.4 Test RB = RB75#0

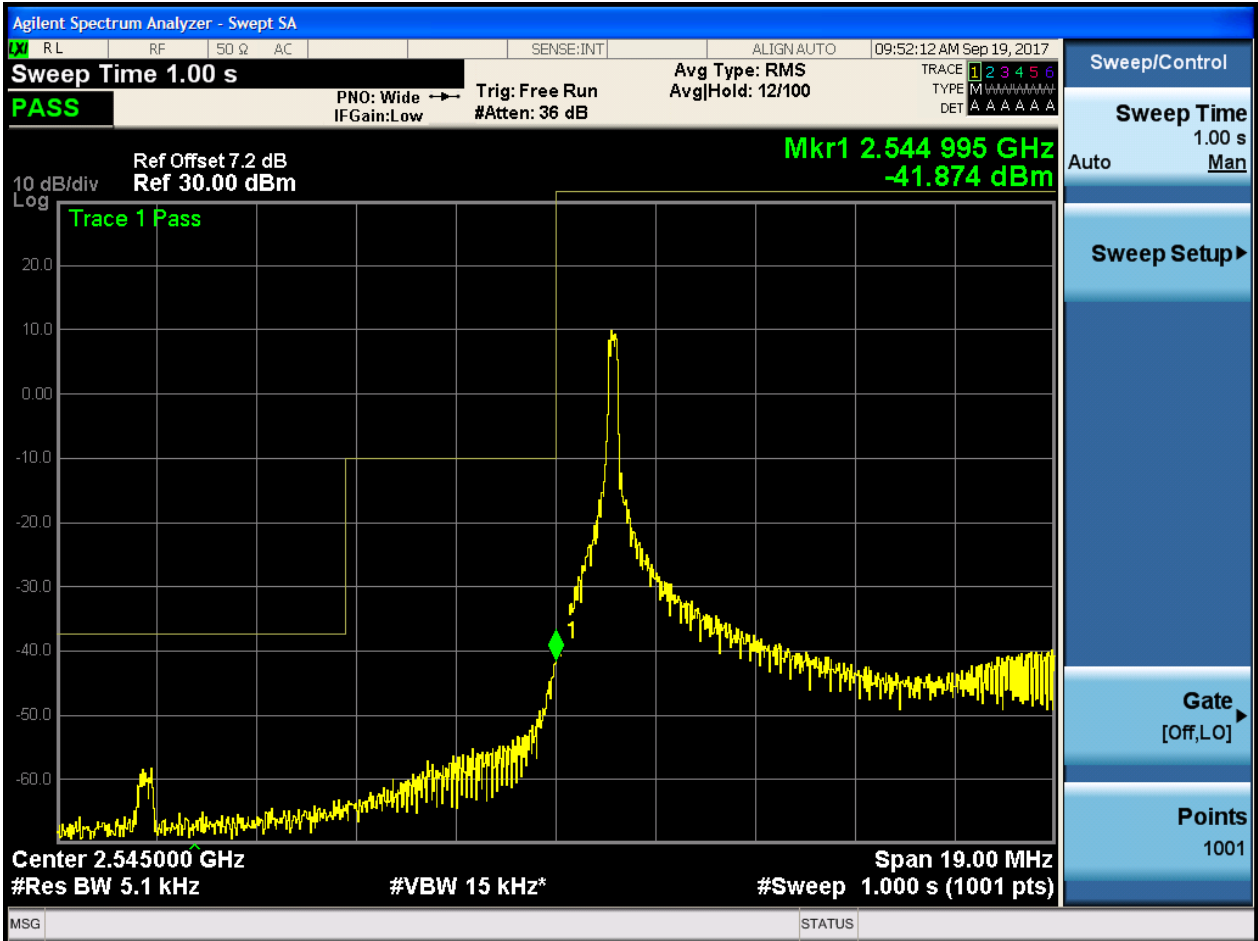




5.1.1.2.4 Test Bandwidth = 20

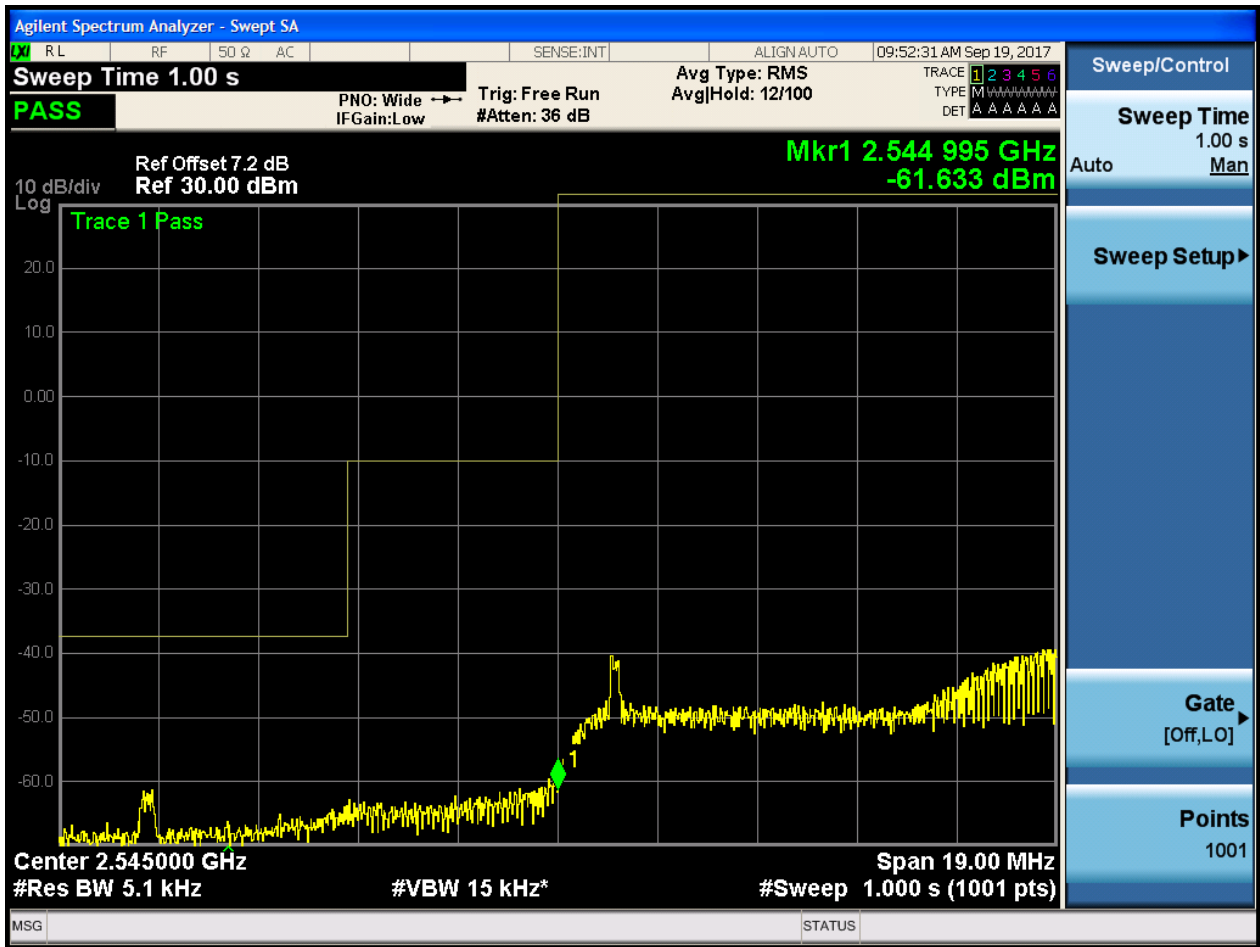
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





5.1.1.2.4.1.2 Test RB = RB1#99



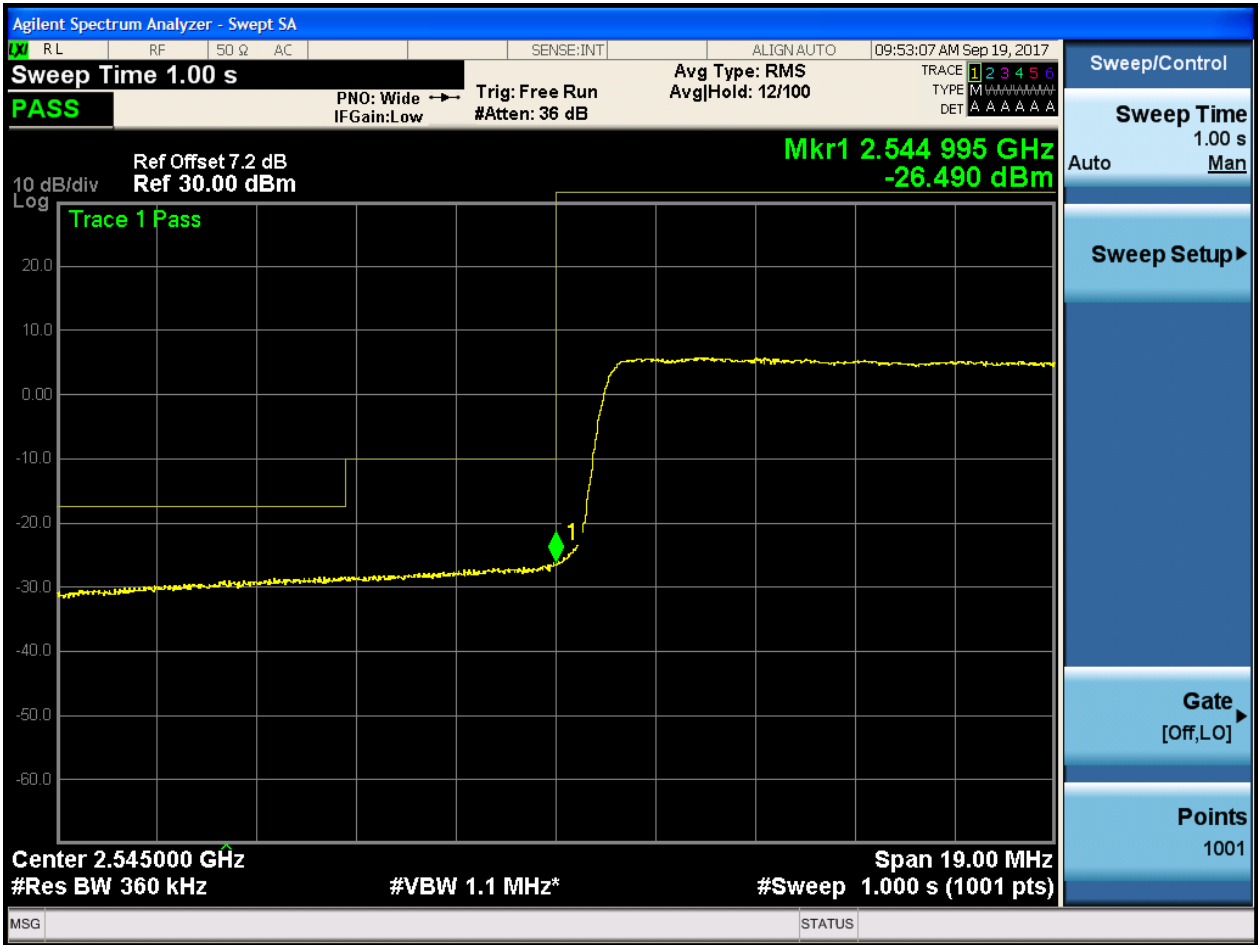


5.1.1.2.4.1.3 Test RB = RB50#25





5.1.1.2.4.1.4 Test RB = RB100#0



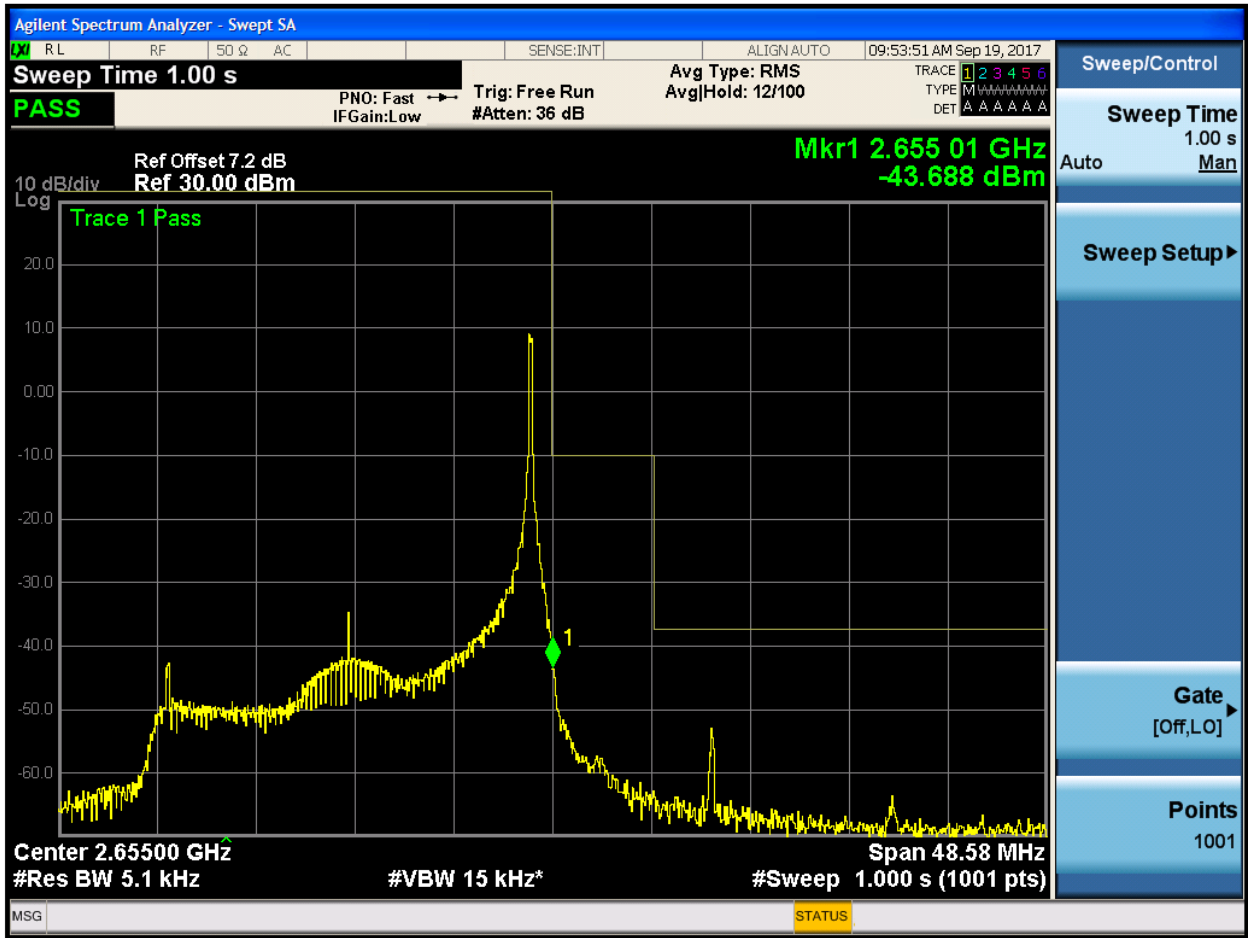
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0





5.1.1.2.4.2.2 Test RB = RB1#99





5.1.1.2.4.2.3 Test RB = RB50#25





5.1.1.2.4.2.4 Test RB = RB100#0





6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

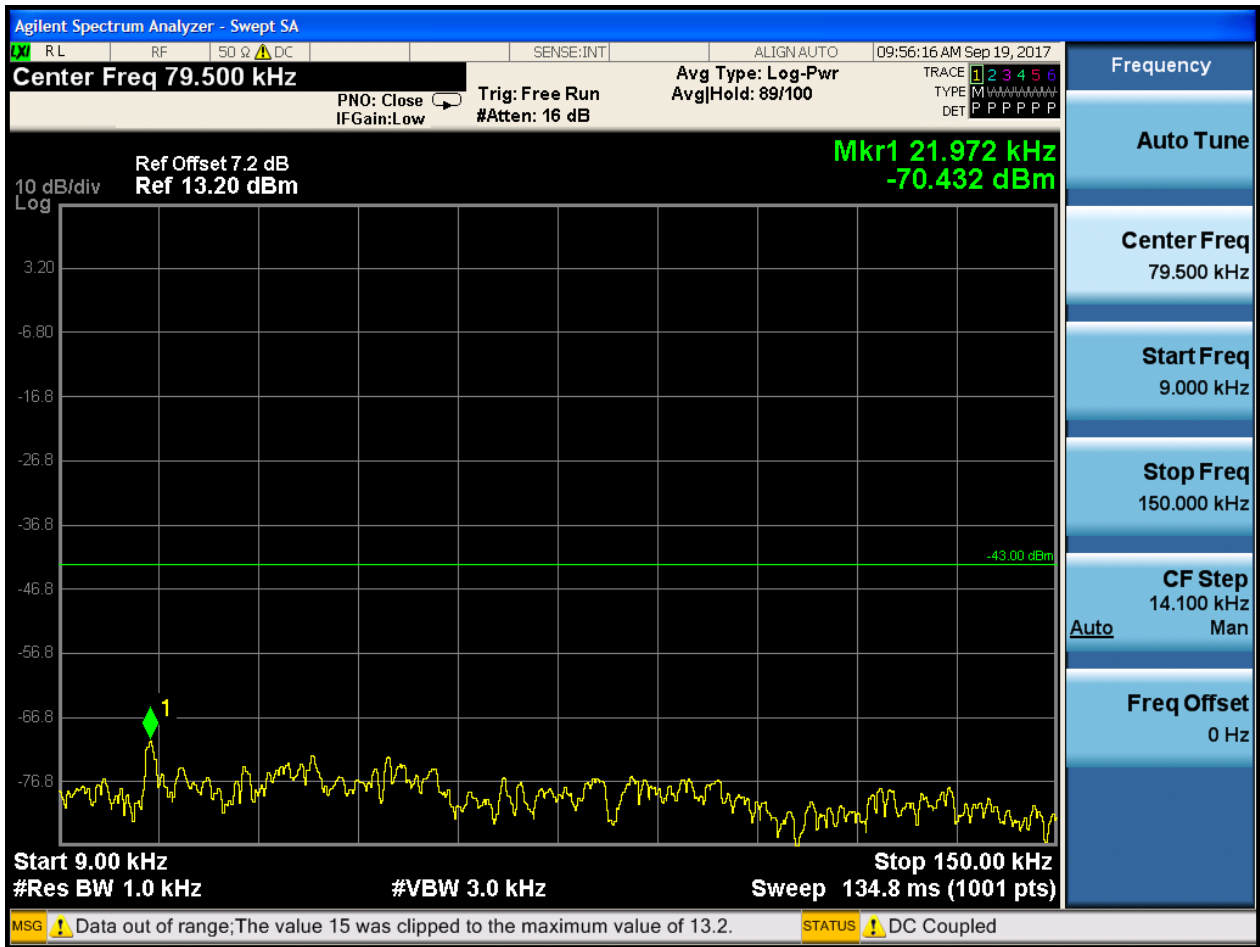
6.1.1 Test Band = BAND41

6.1.1.1 Test Mode = LTE/TM1

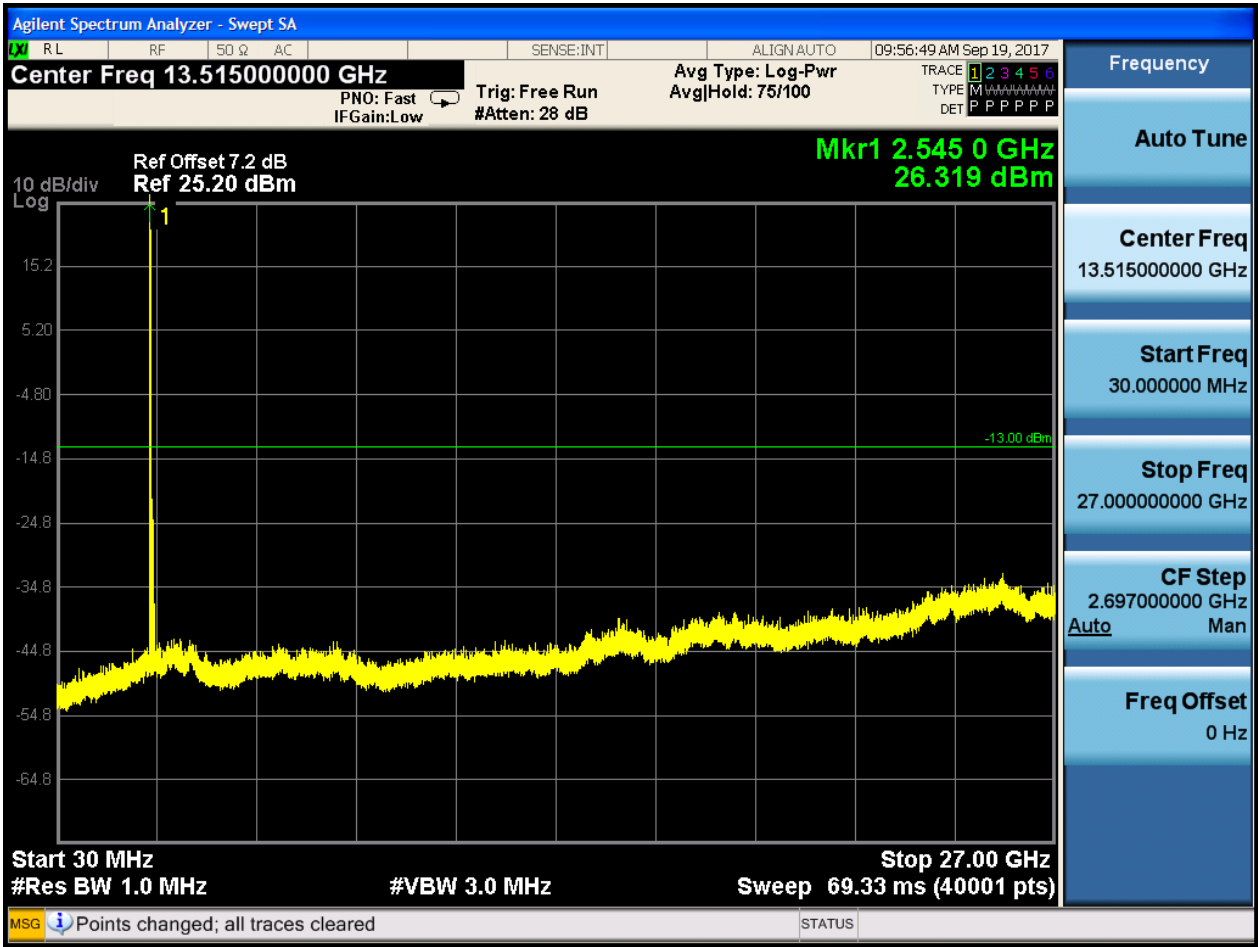
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



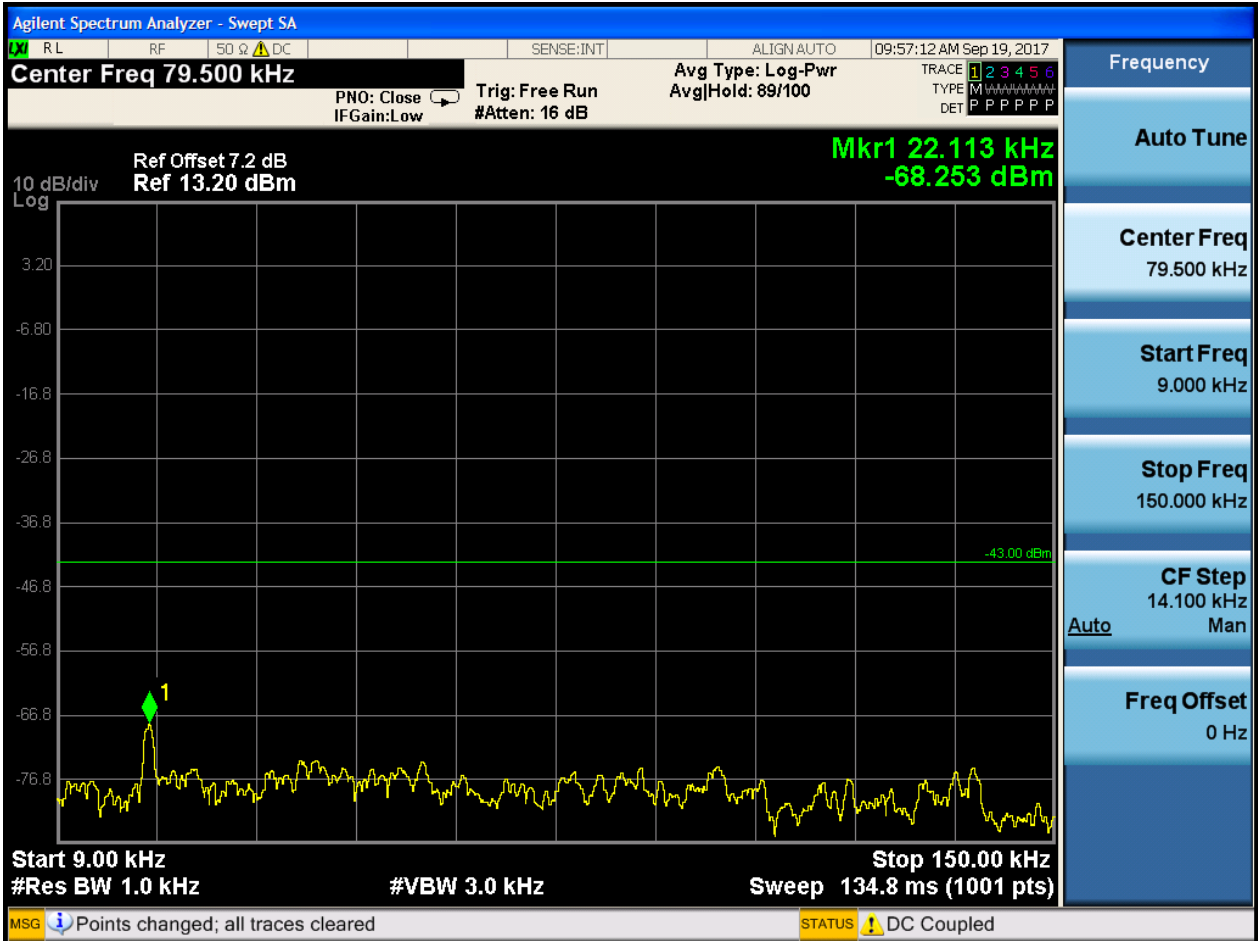


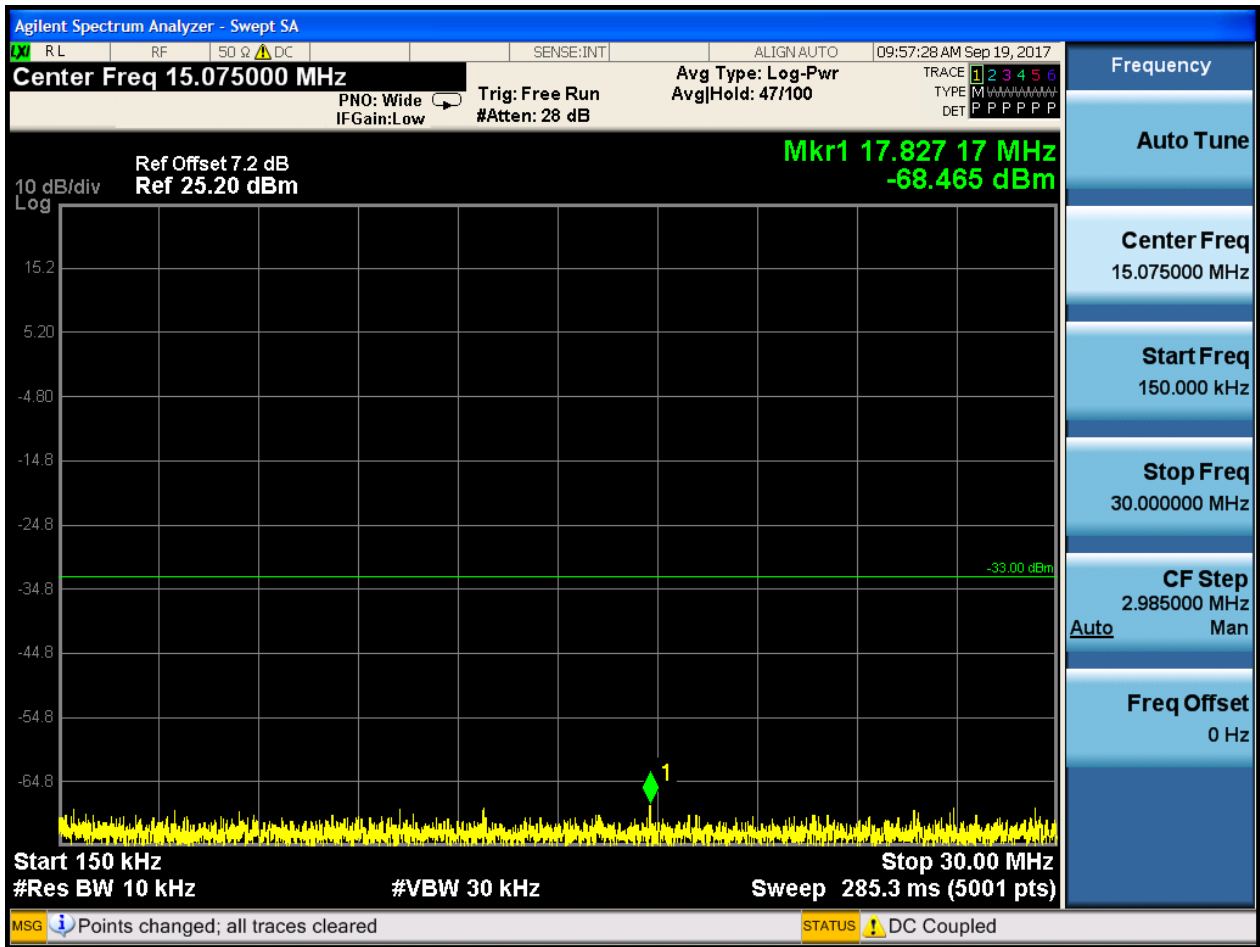


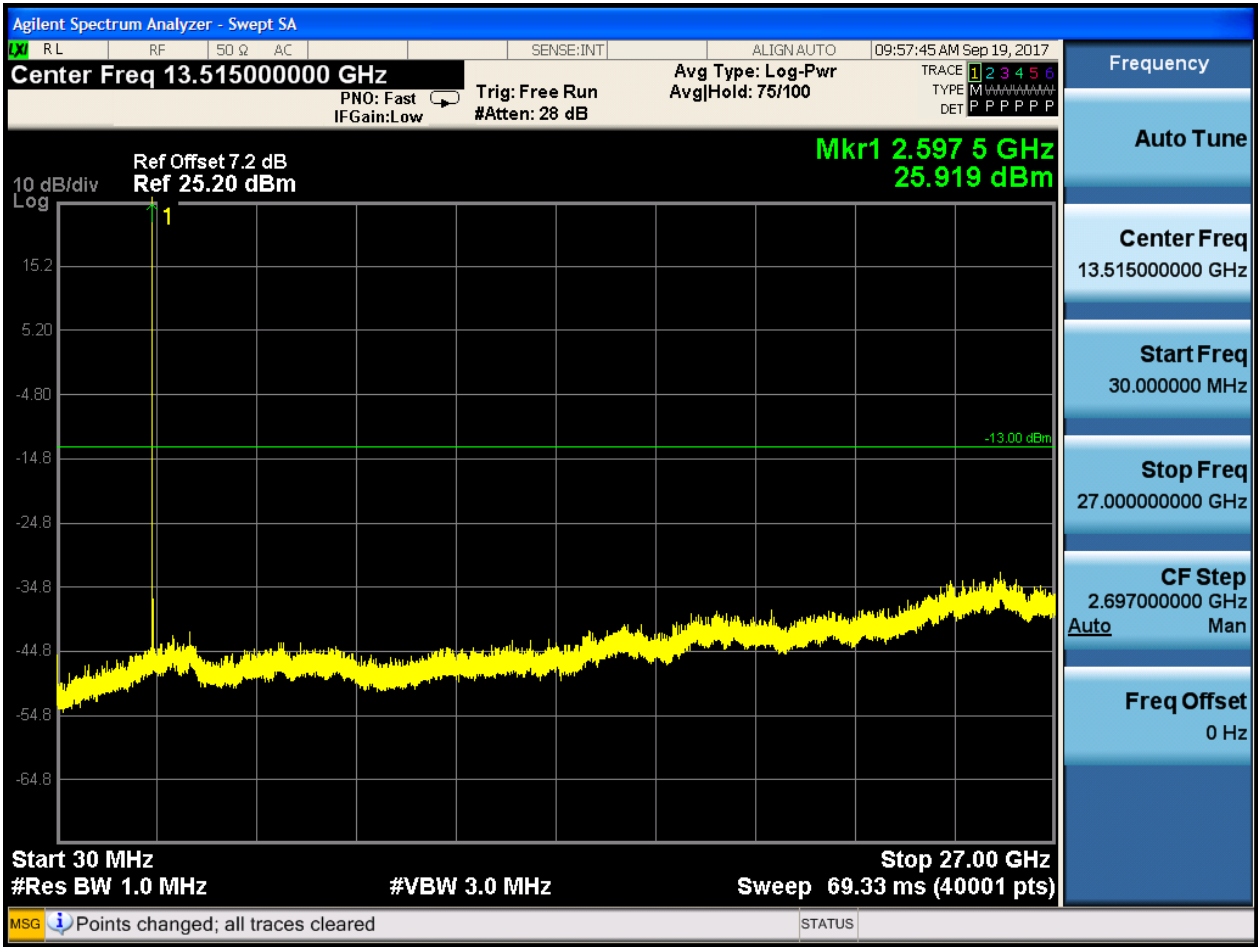


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



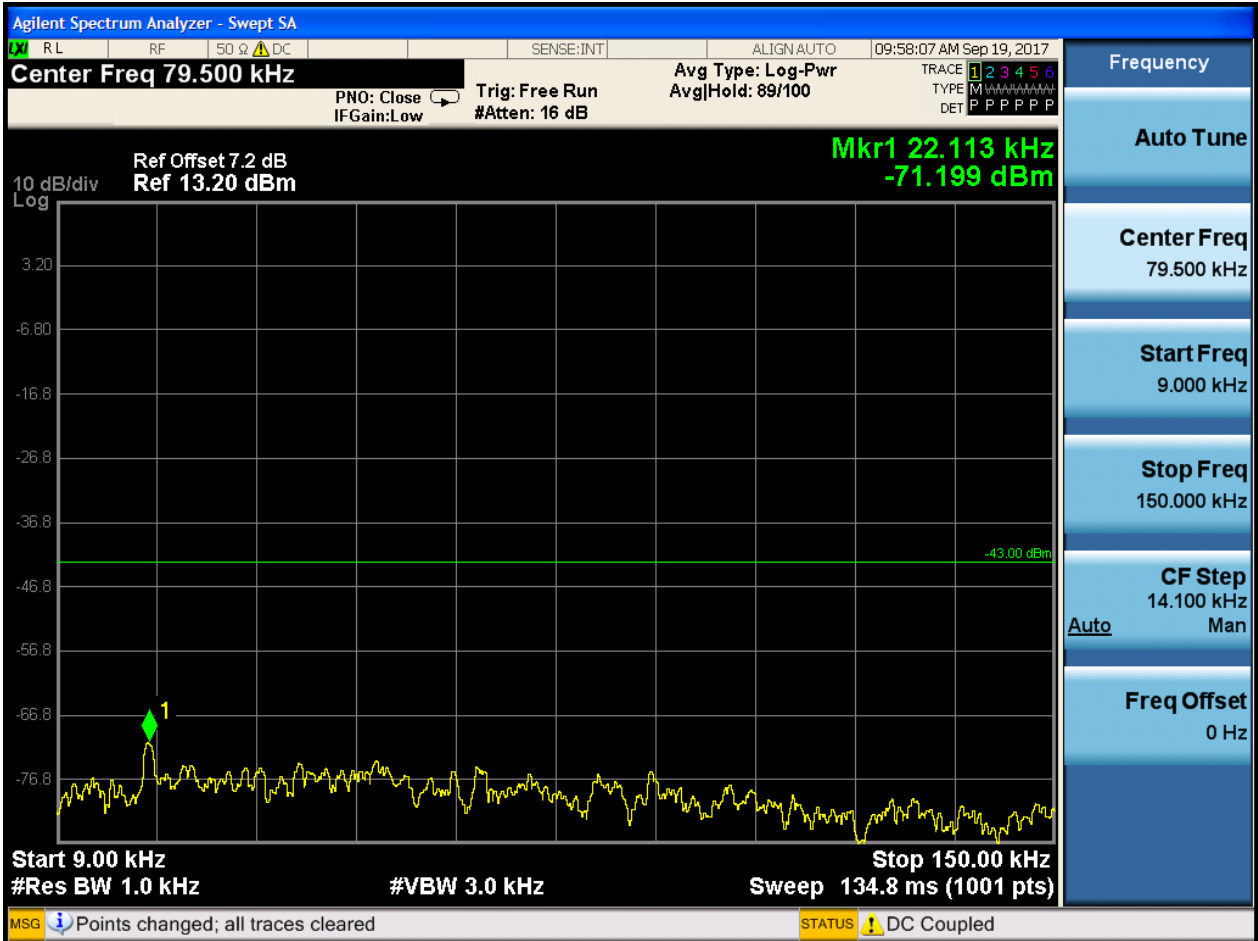




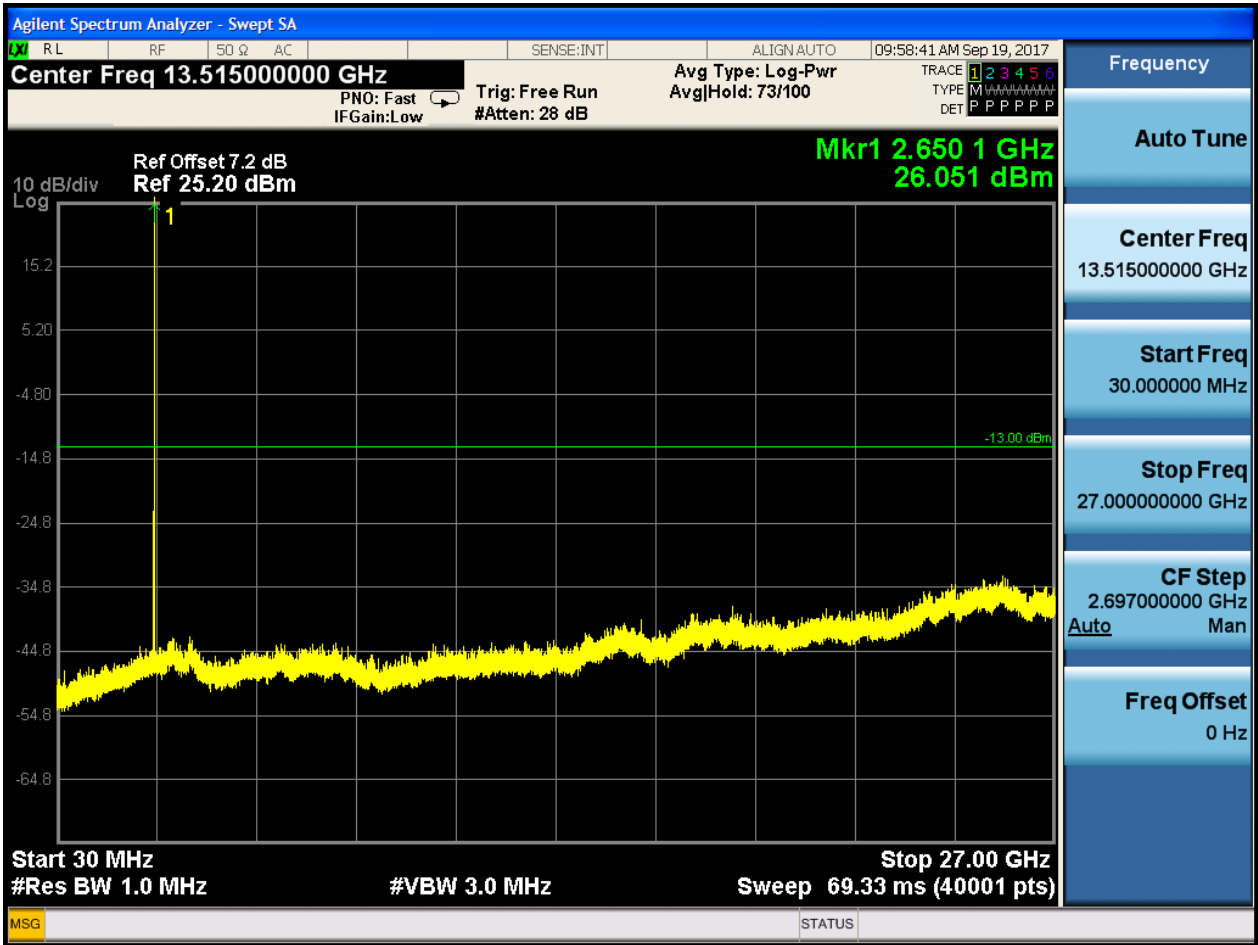


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





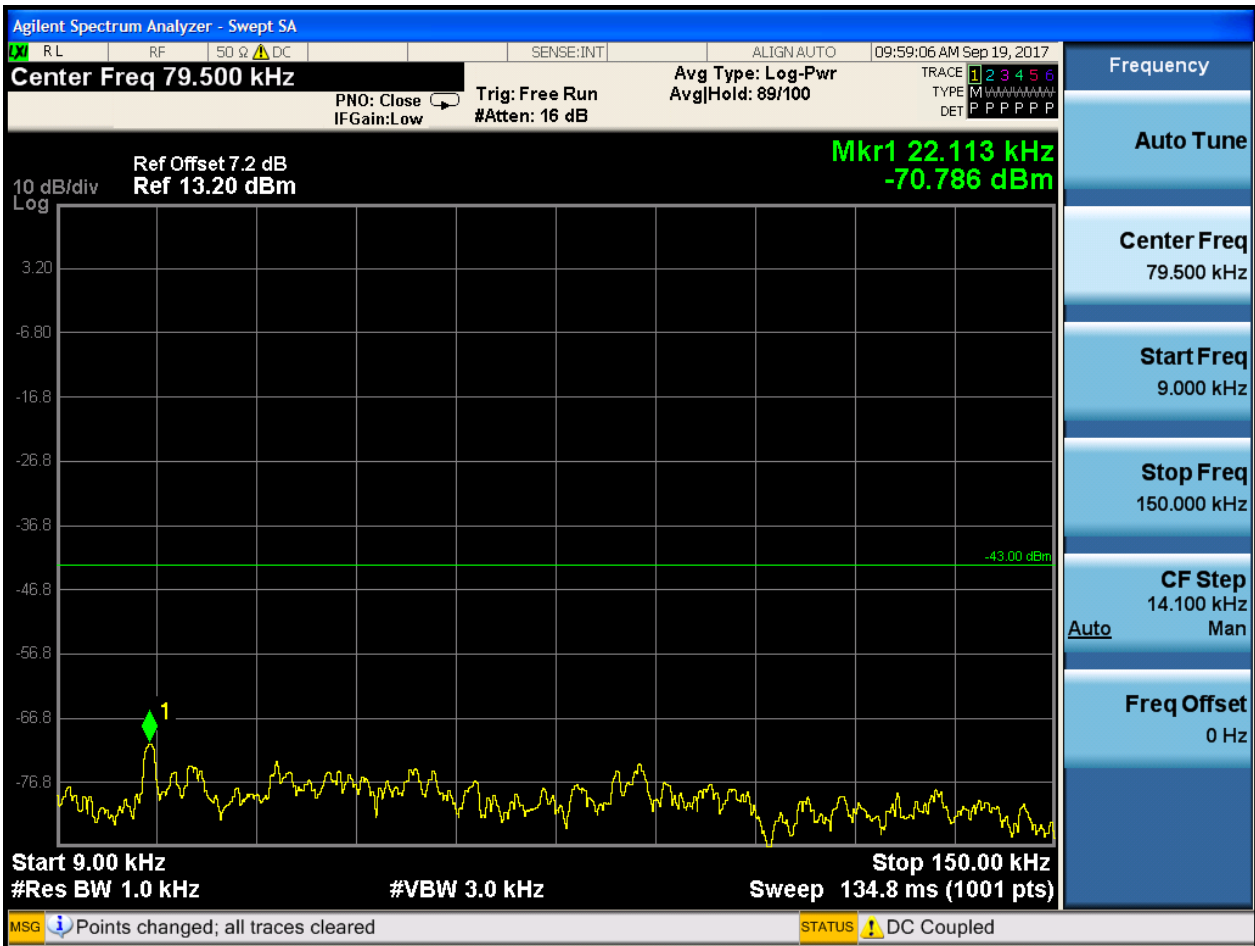


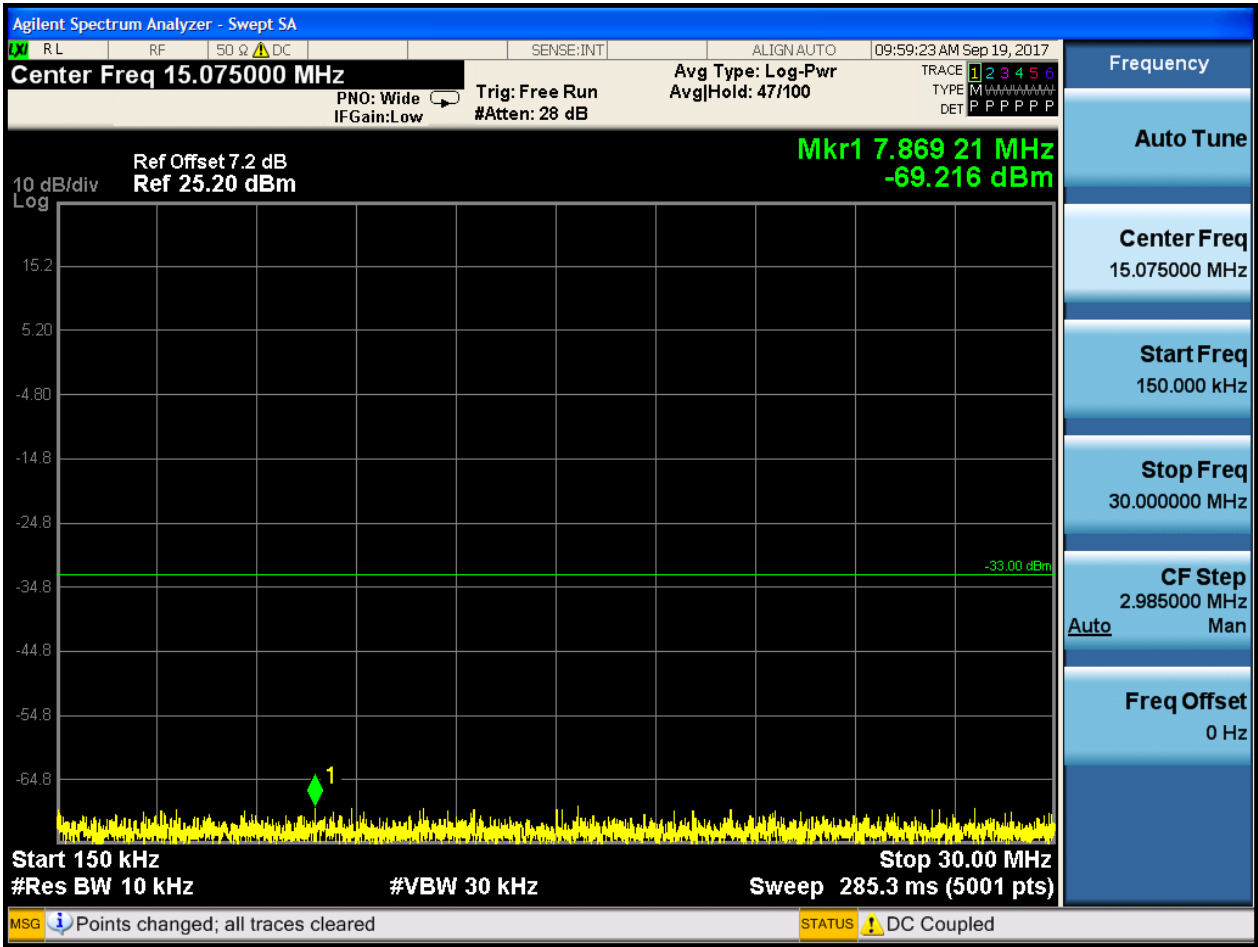


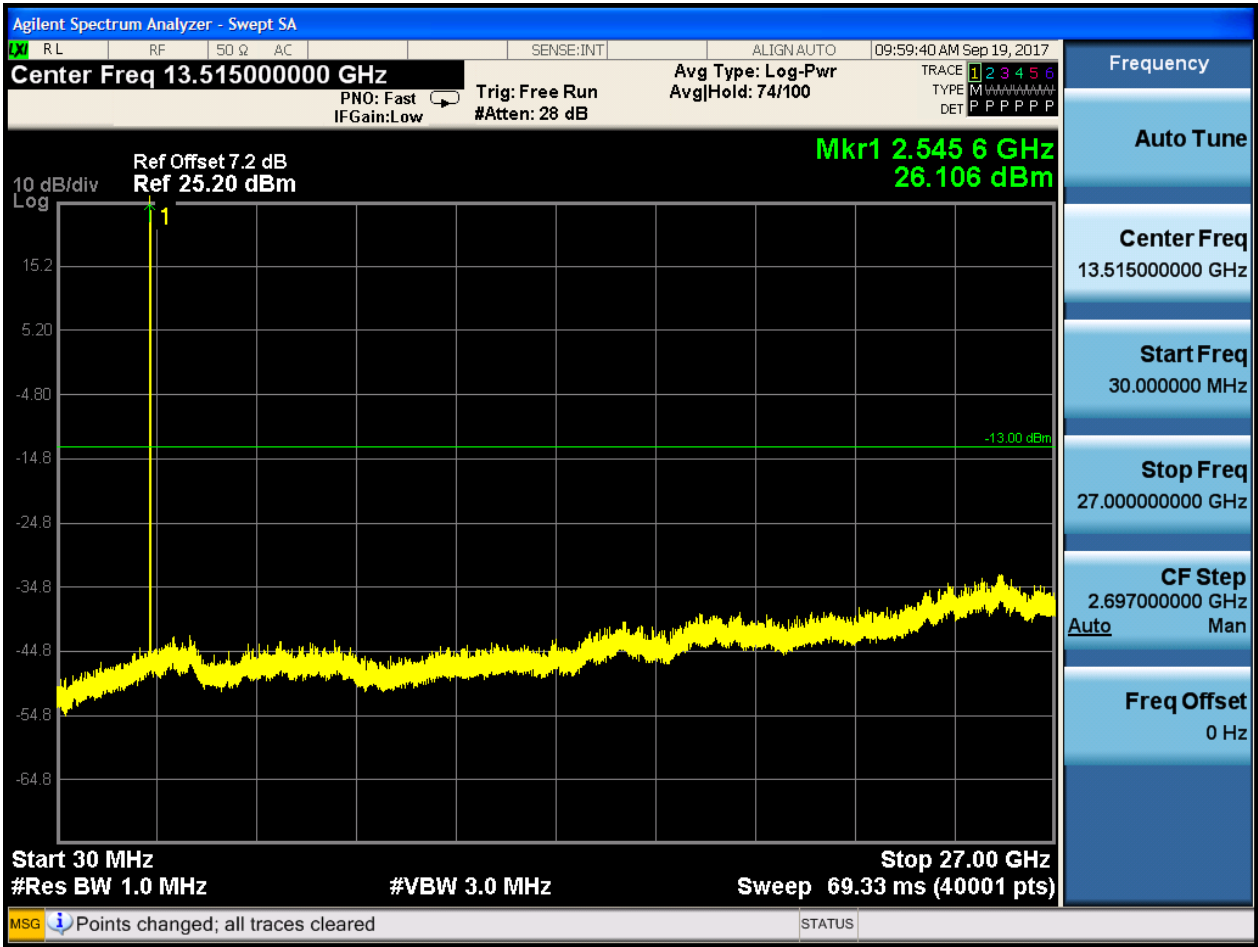
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



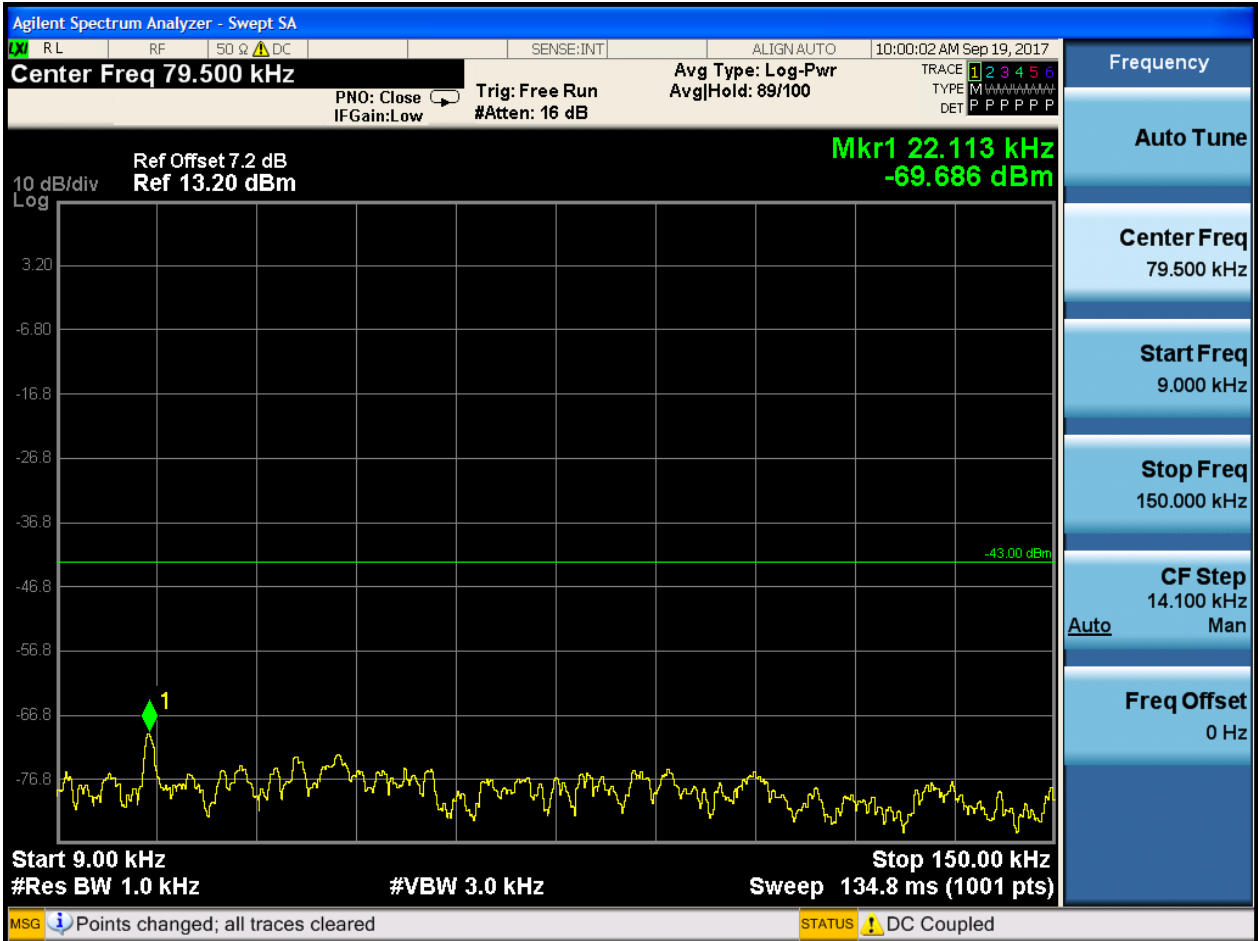


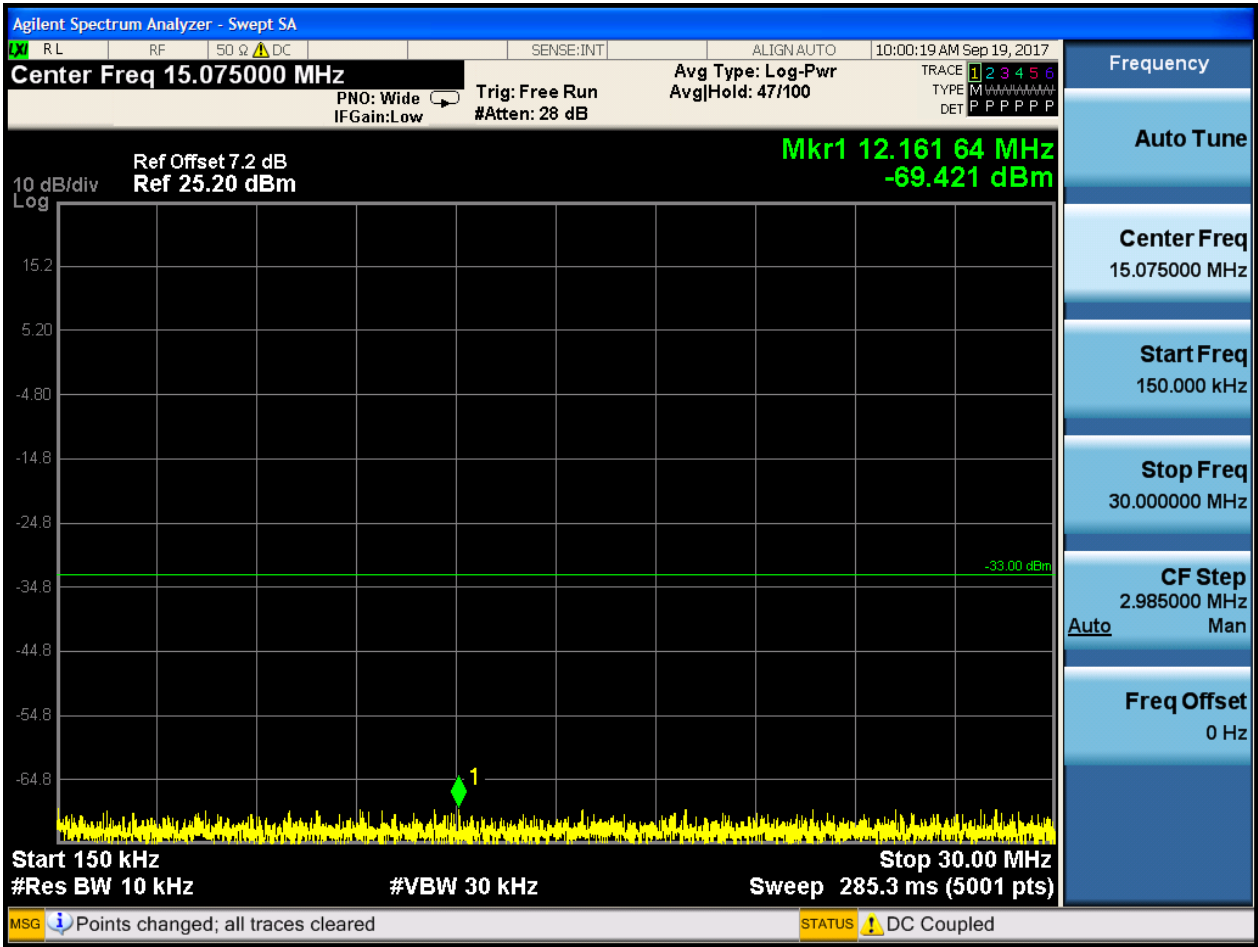




6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



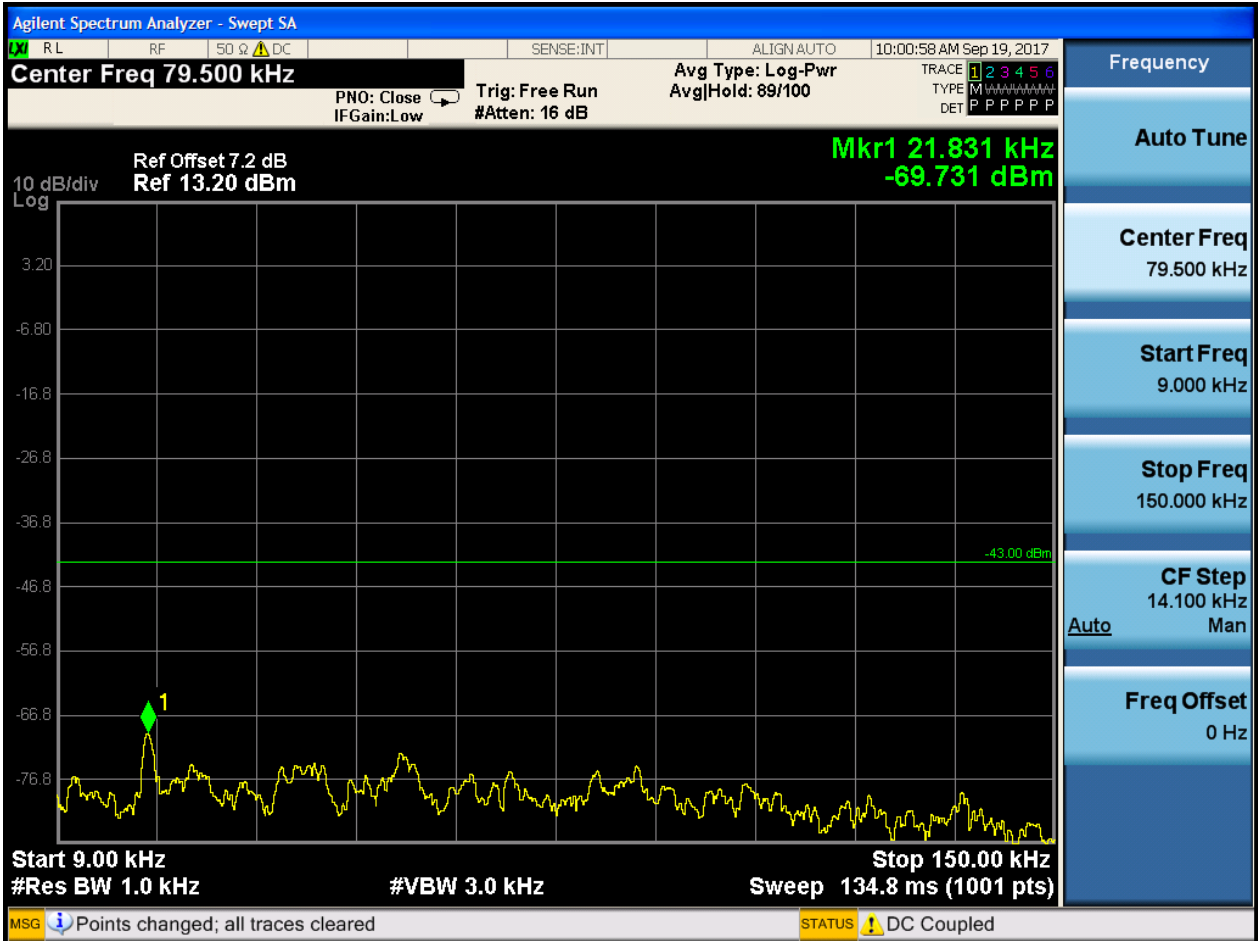


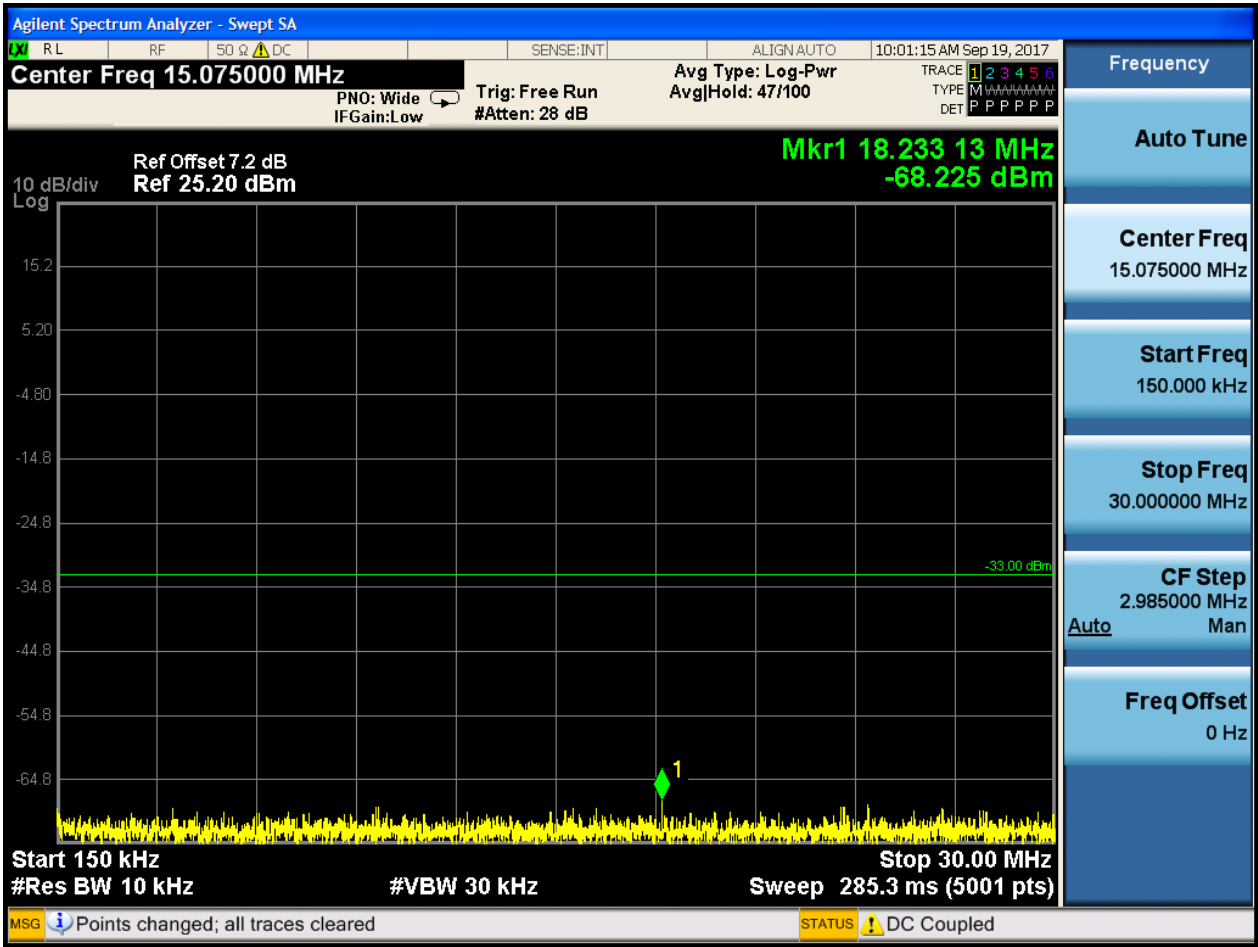


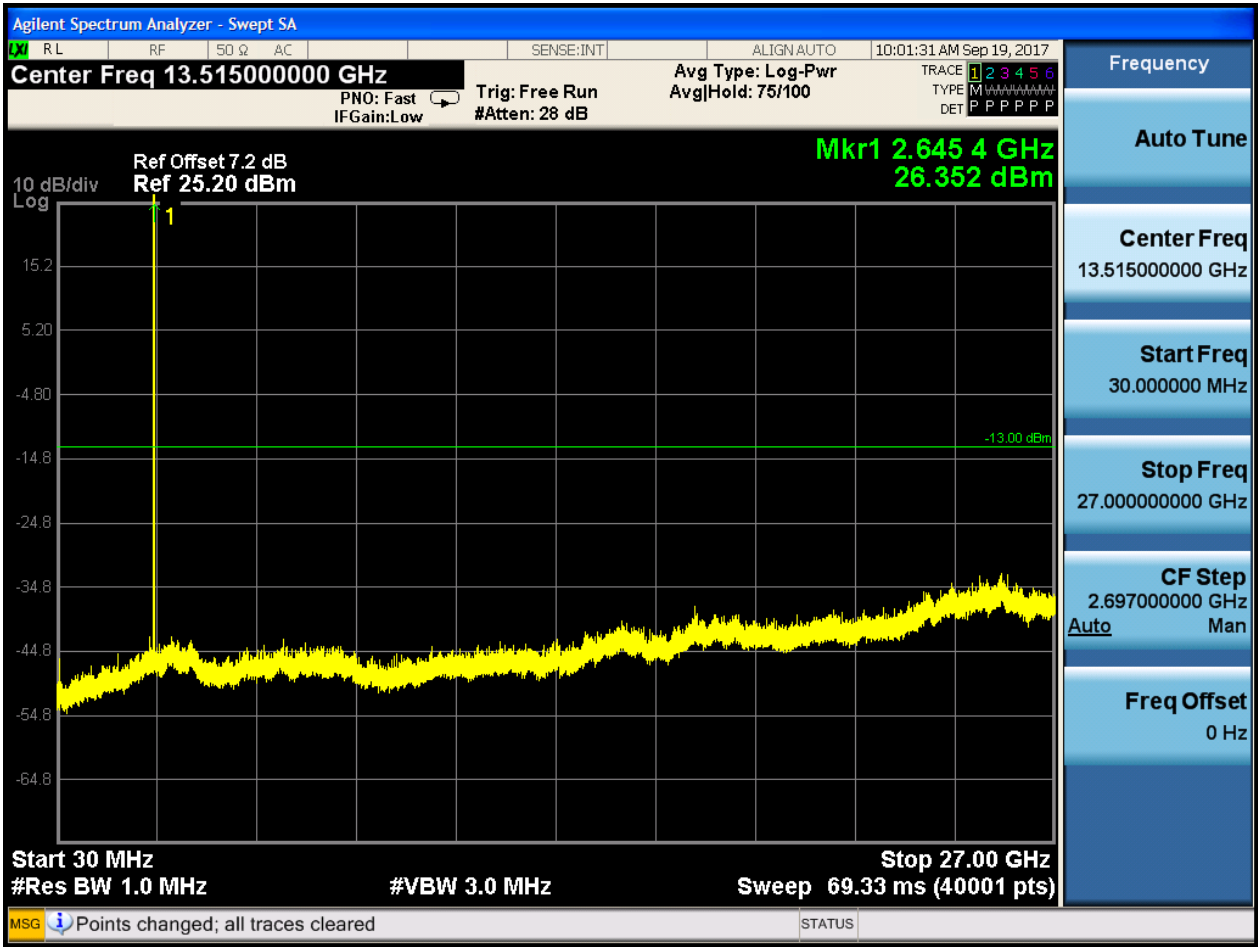


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





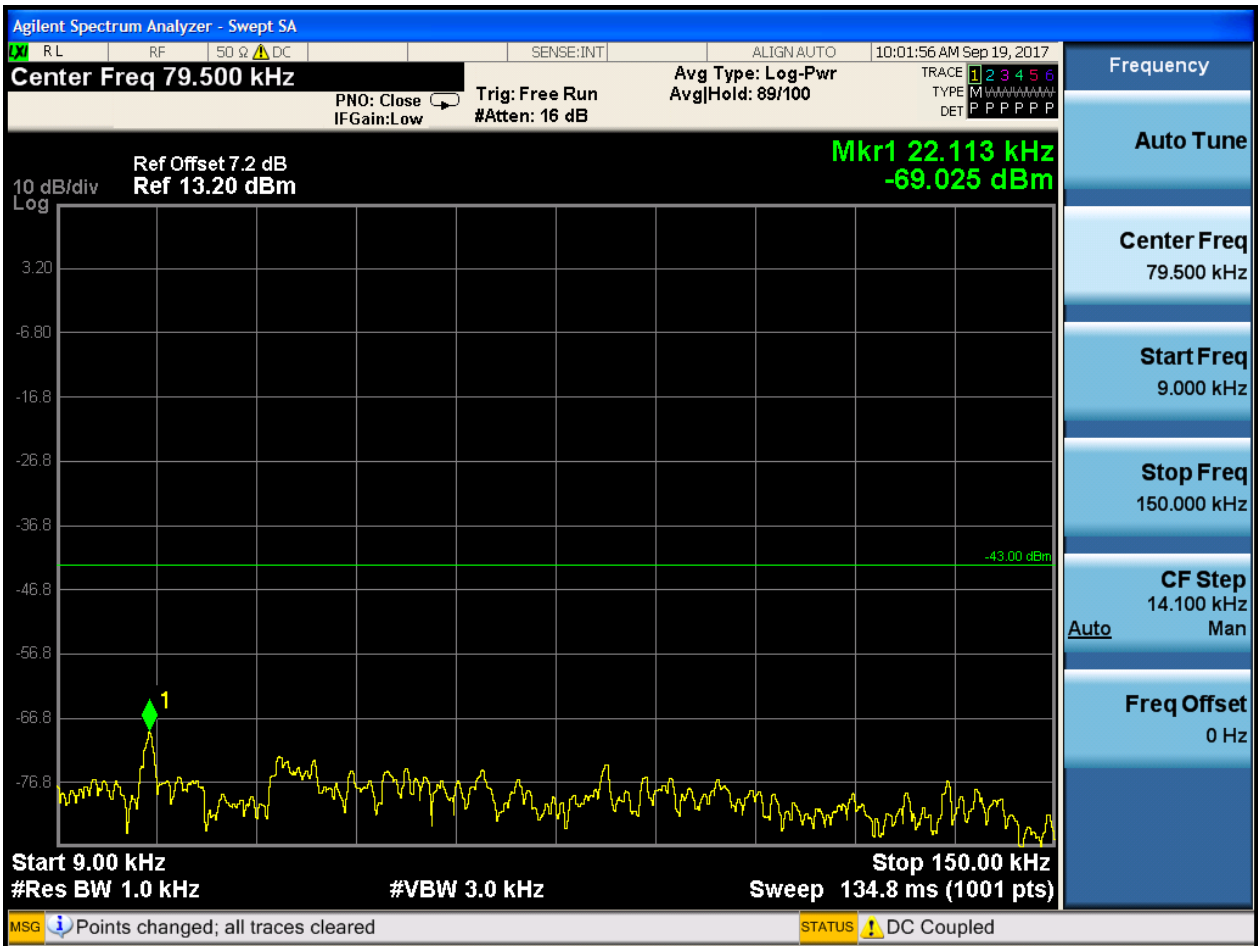


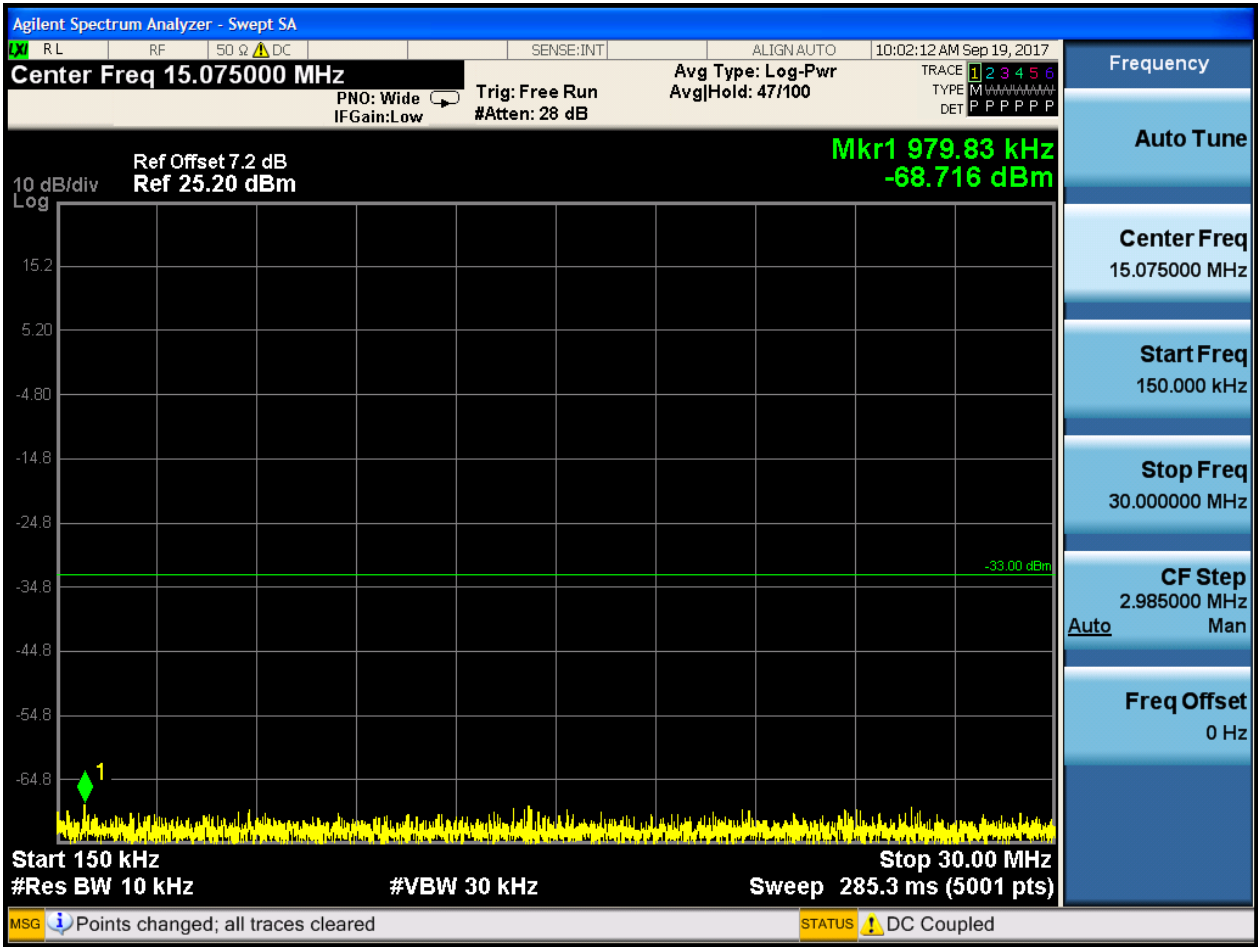


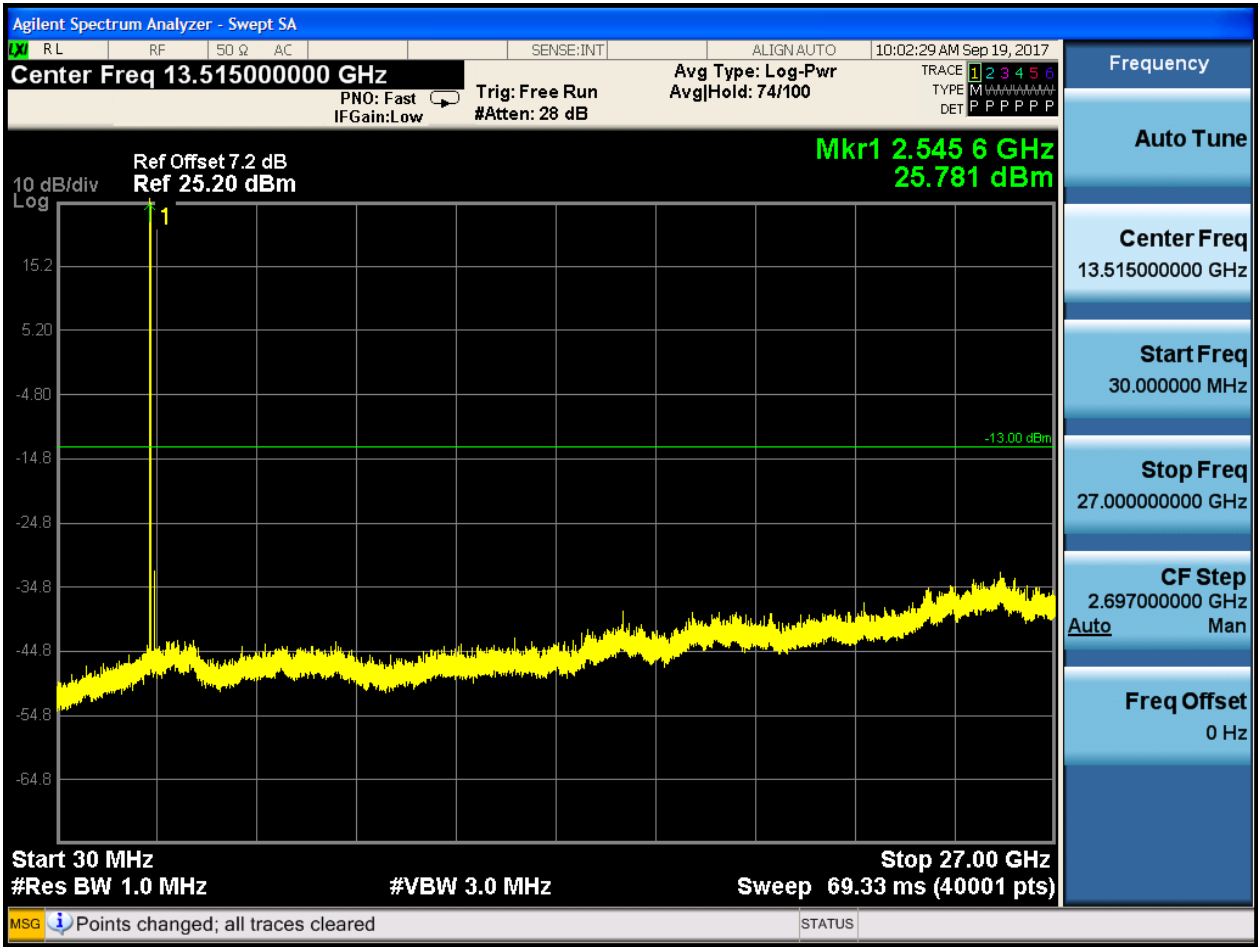
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



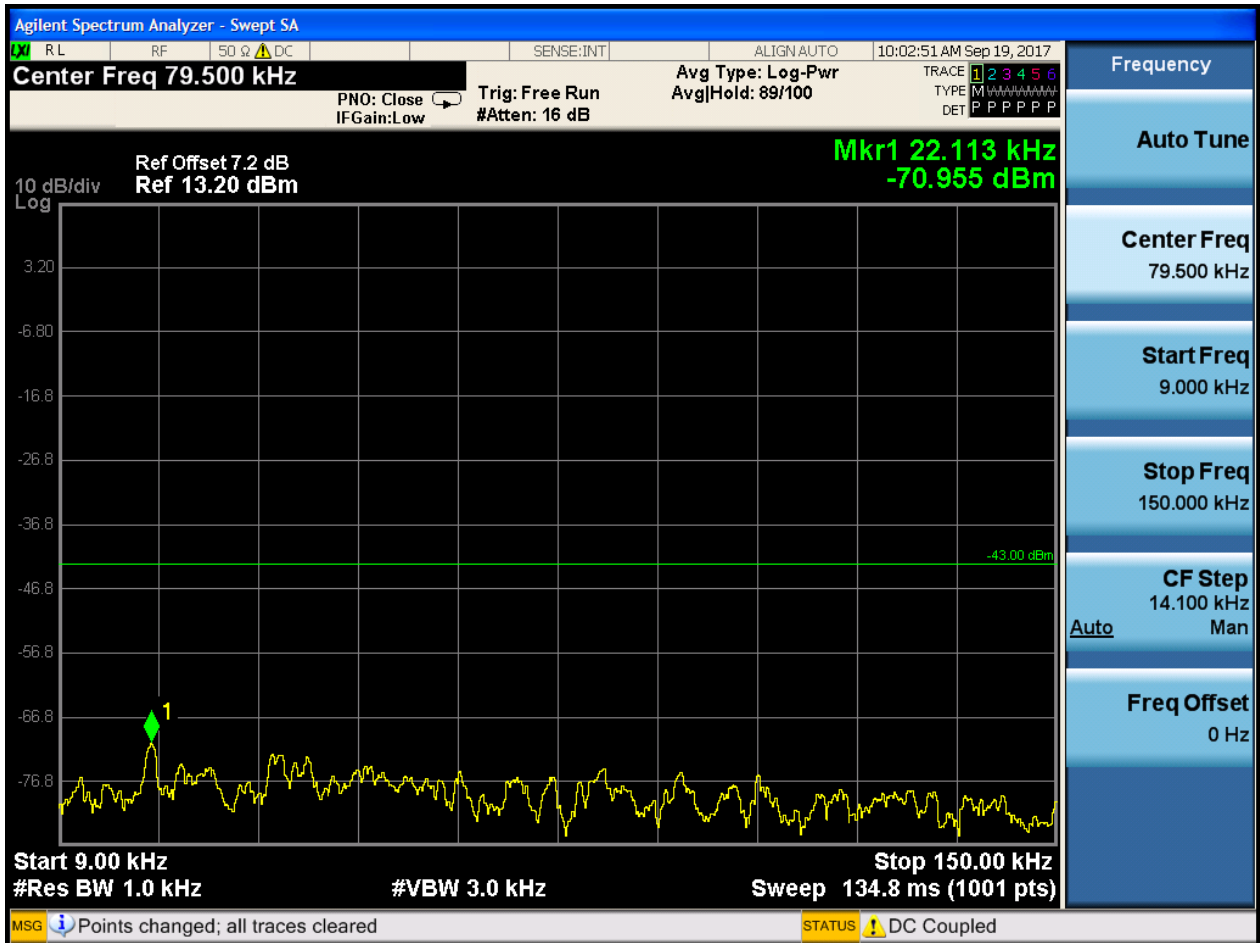


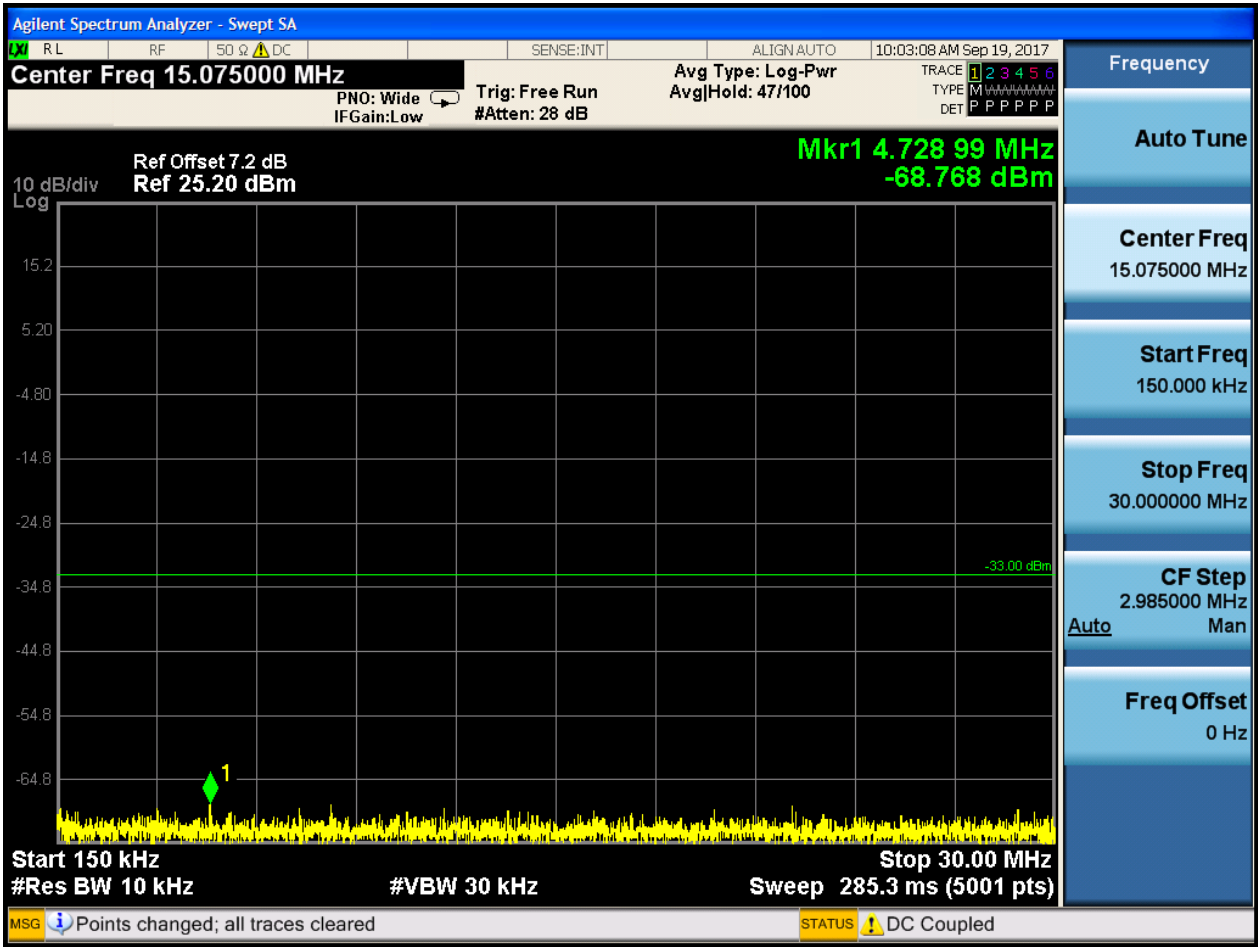


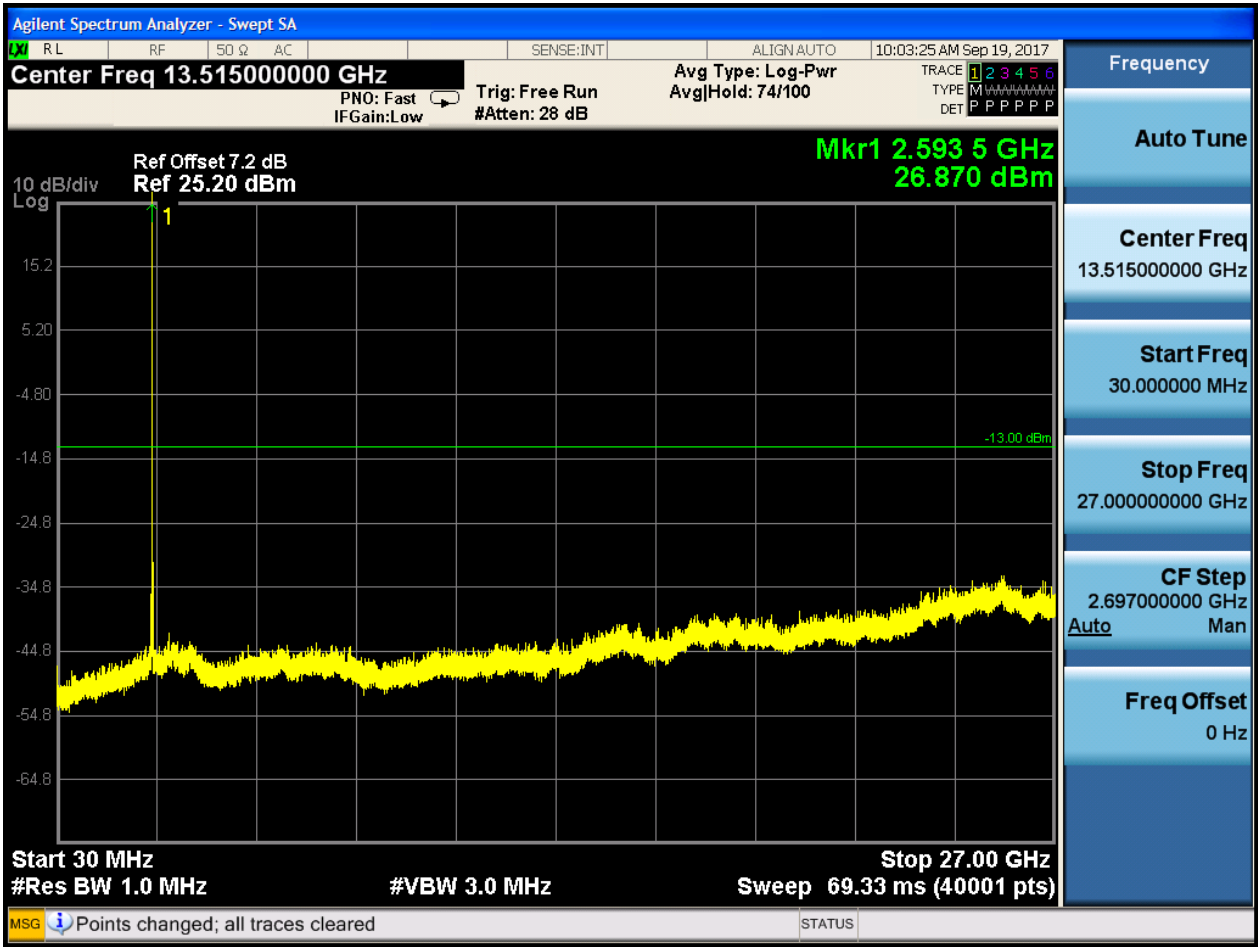


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



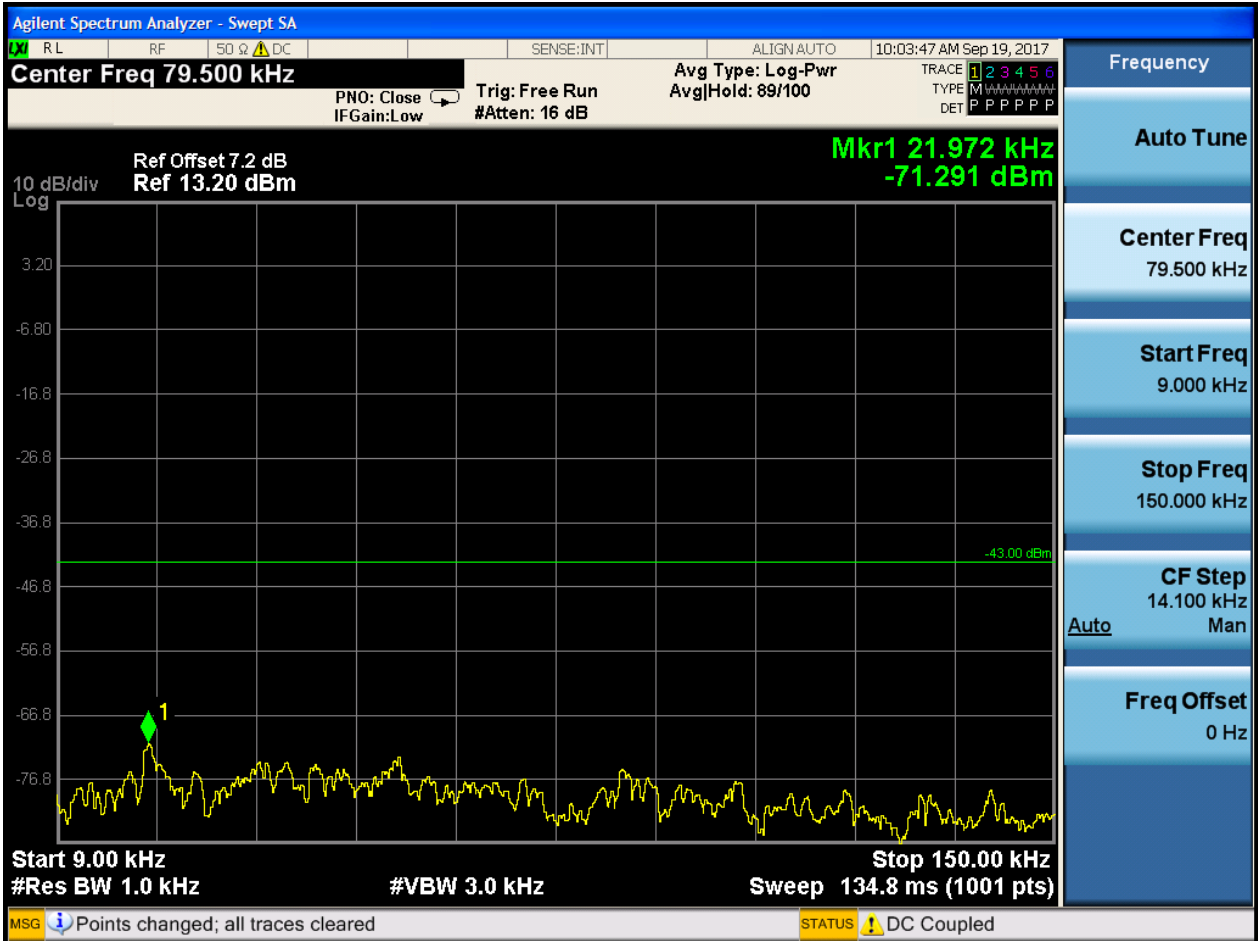


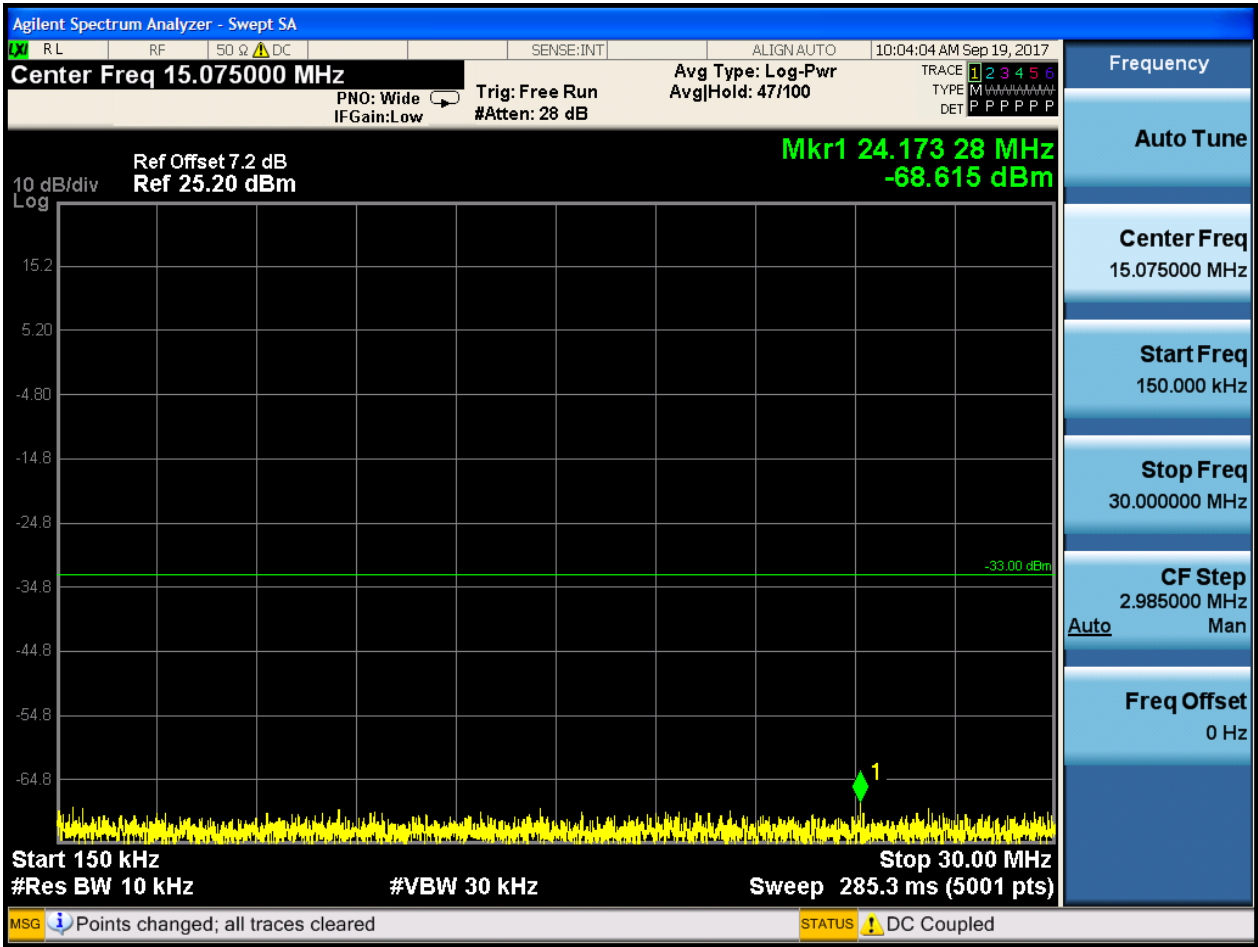


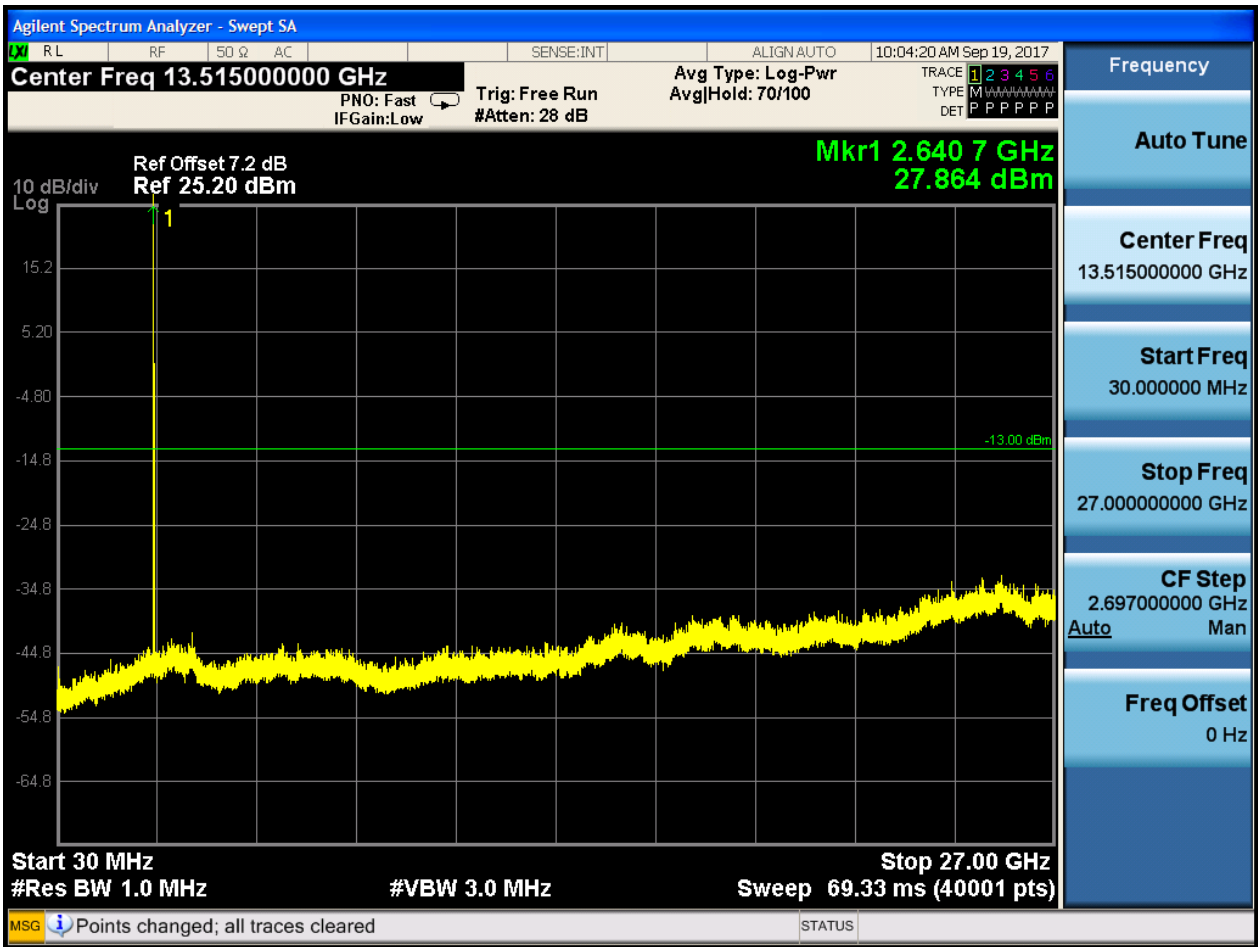


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







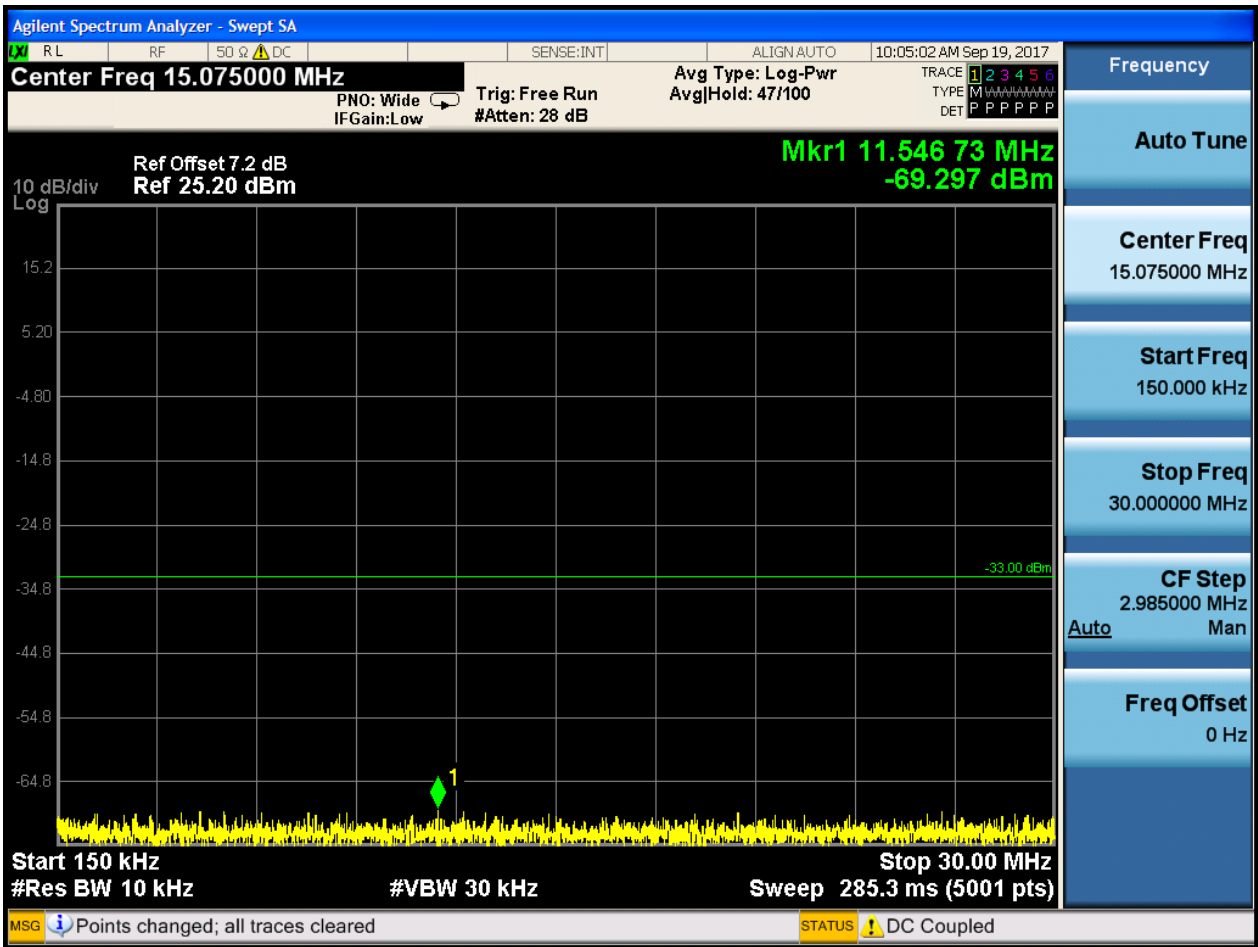


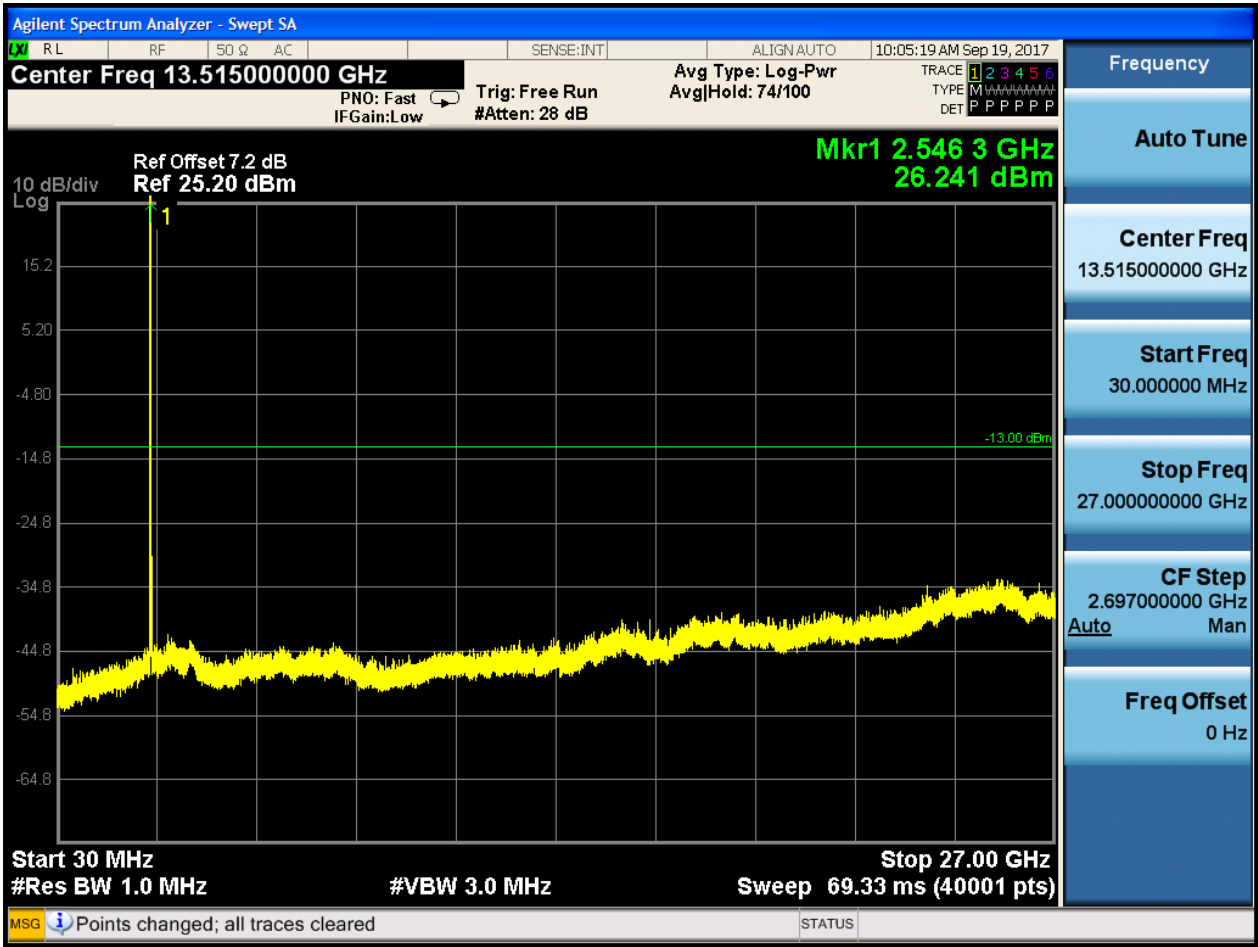
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



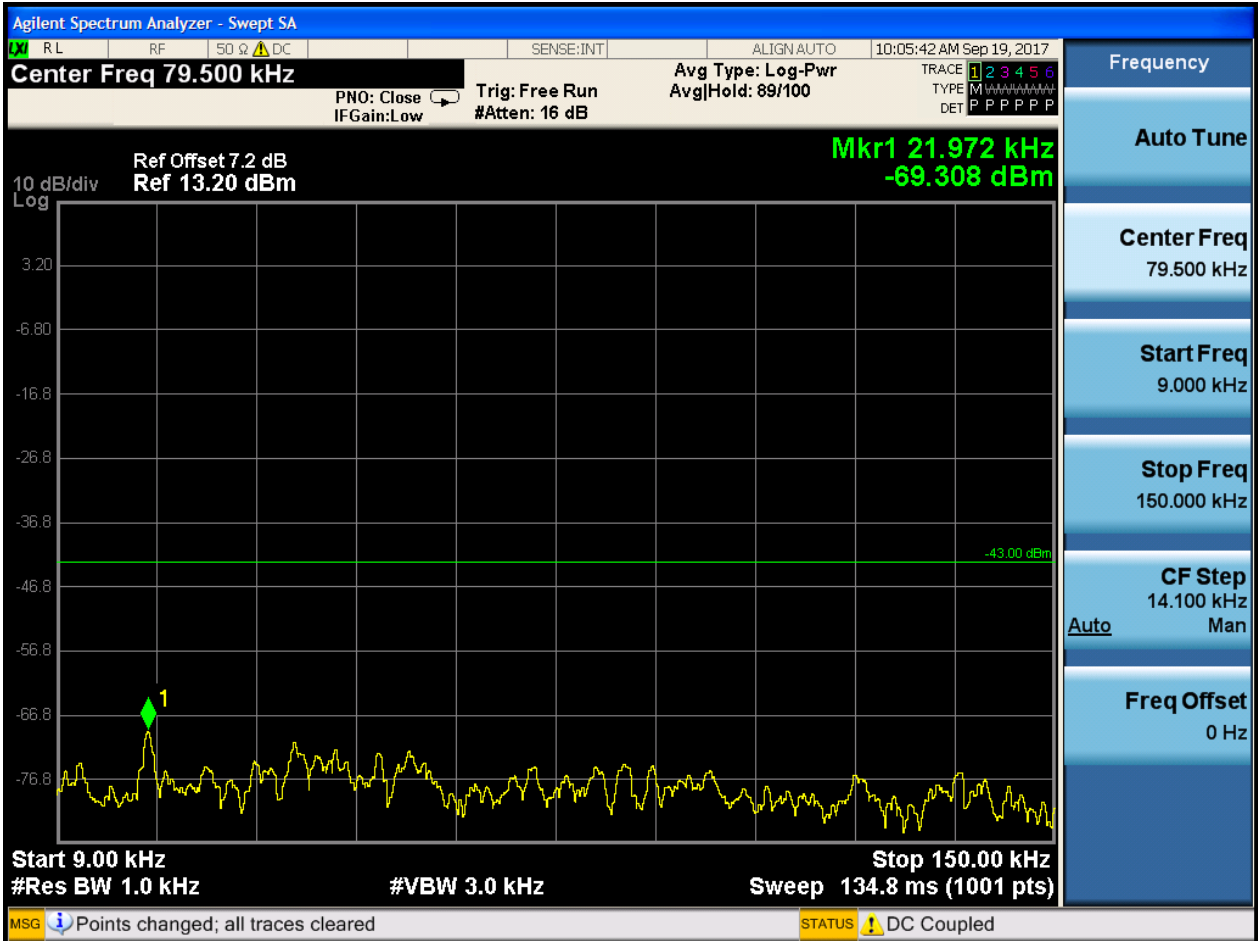


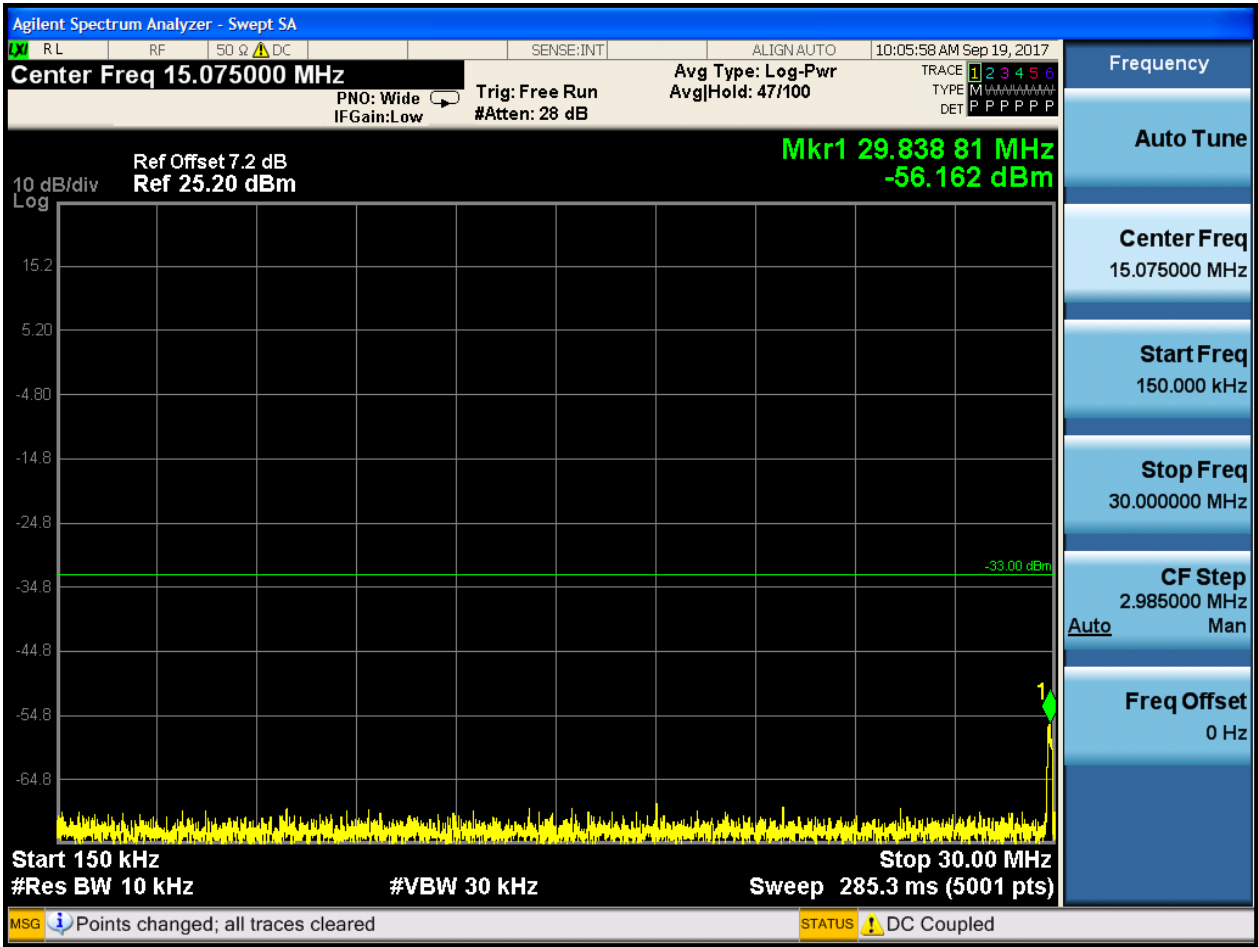


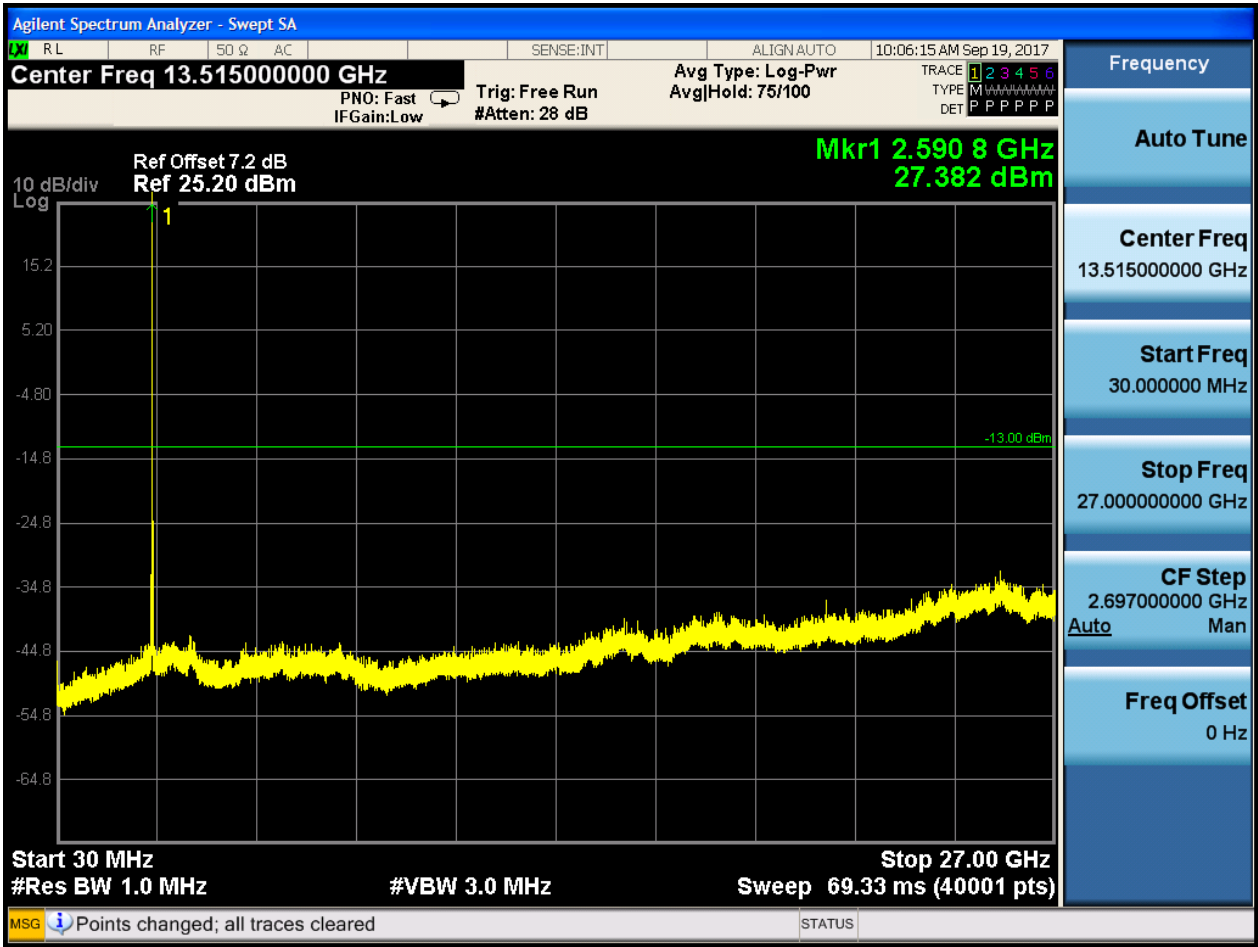


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



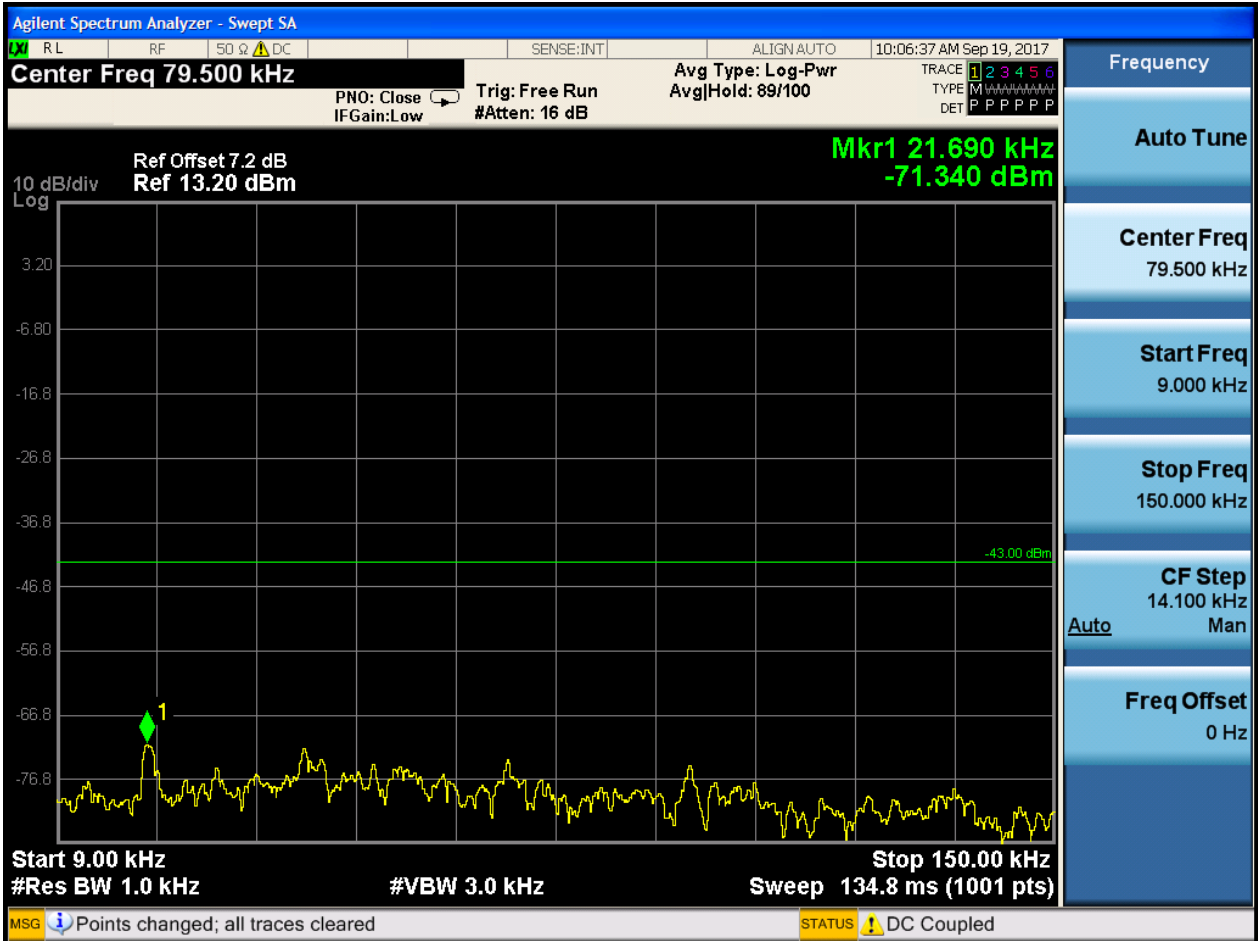




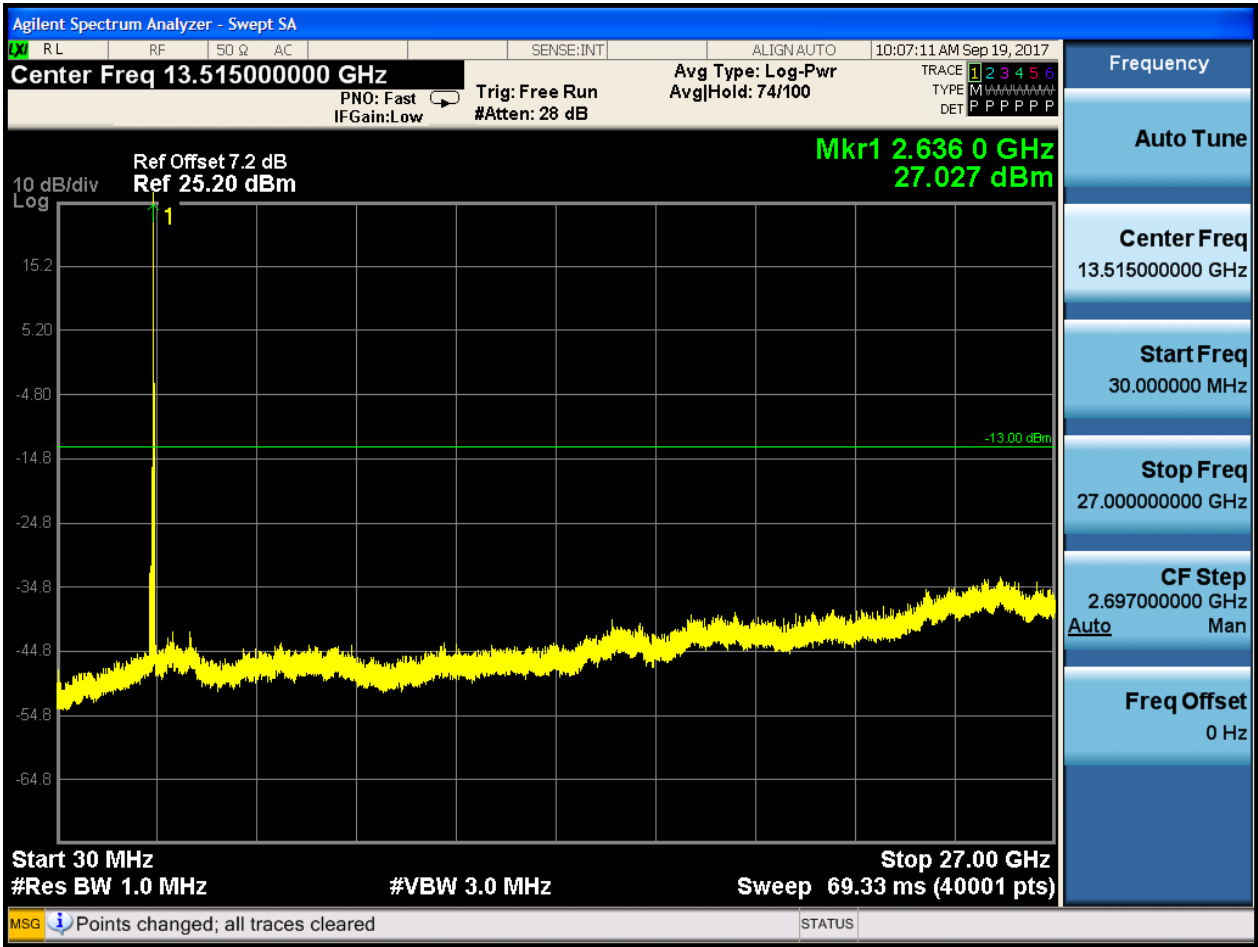


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







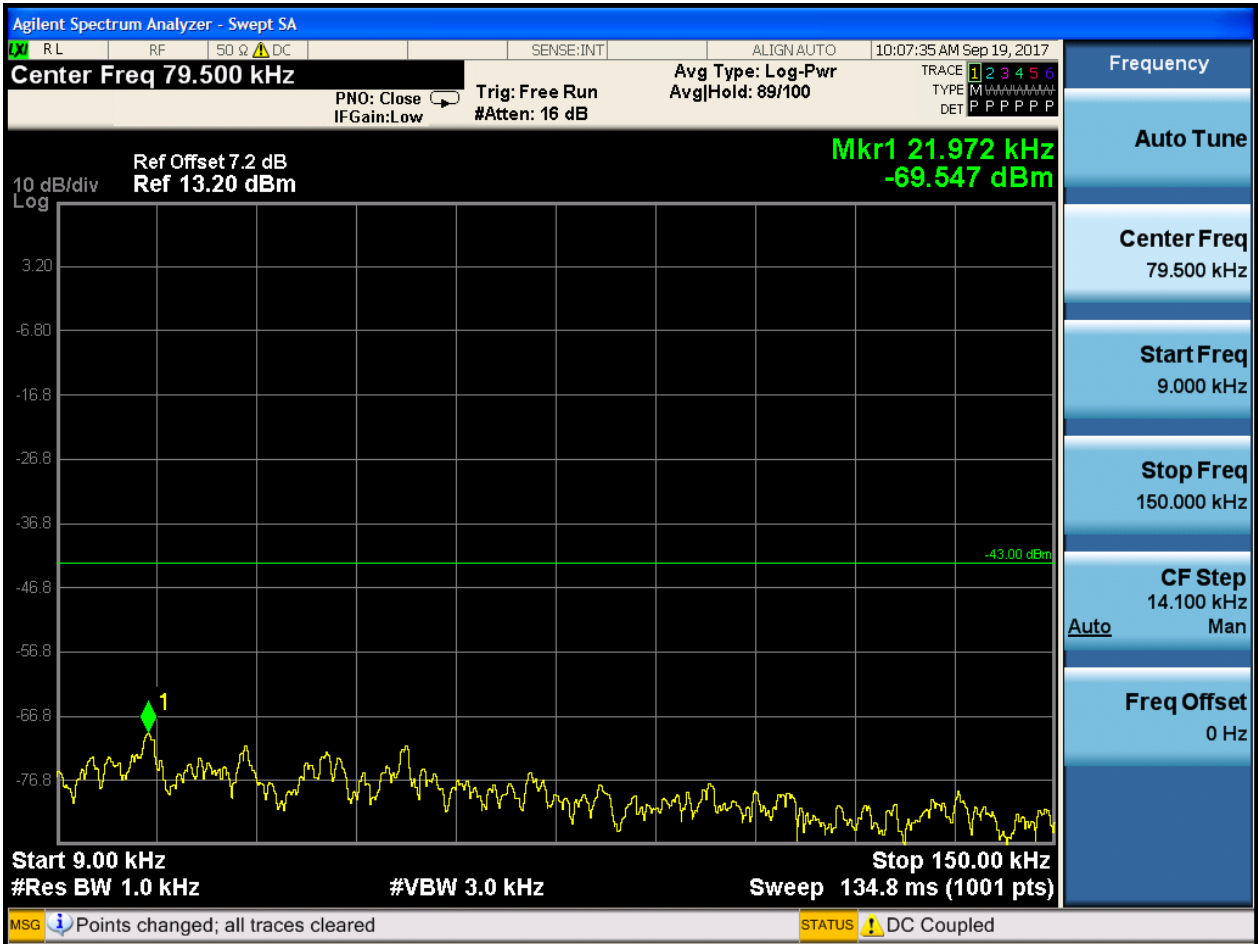


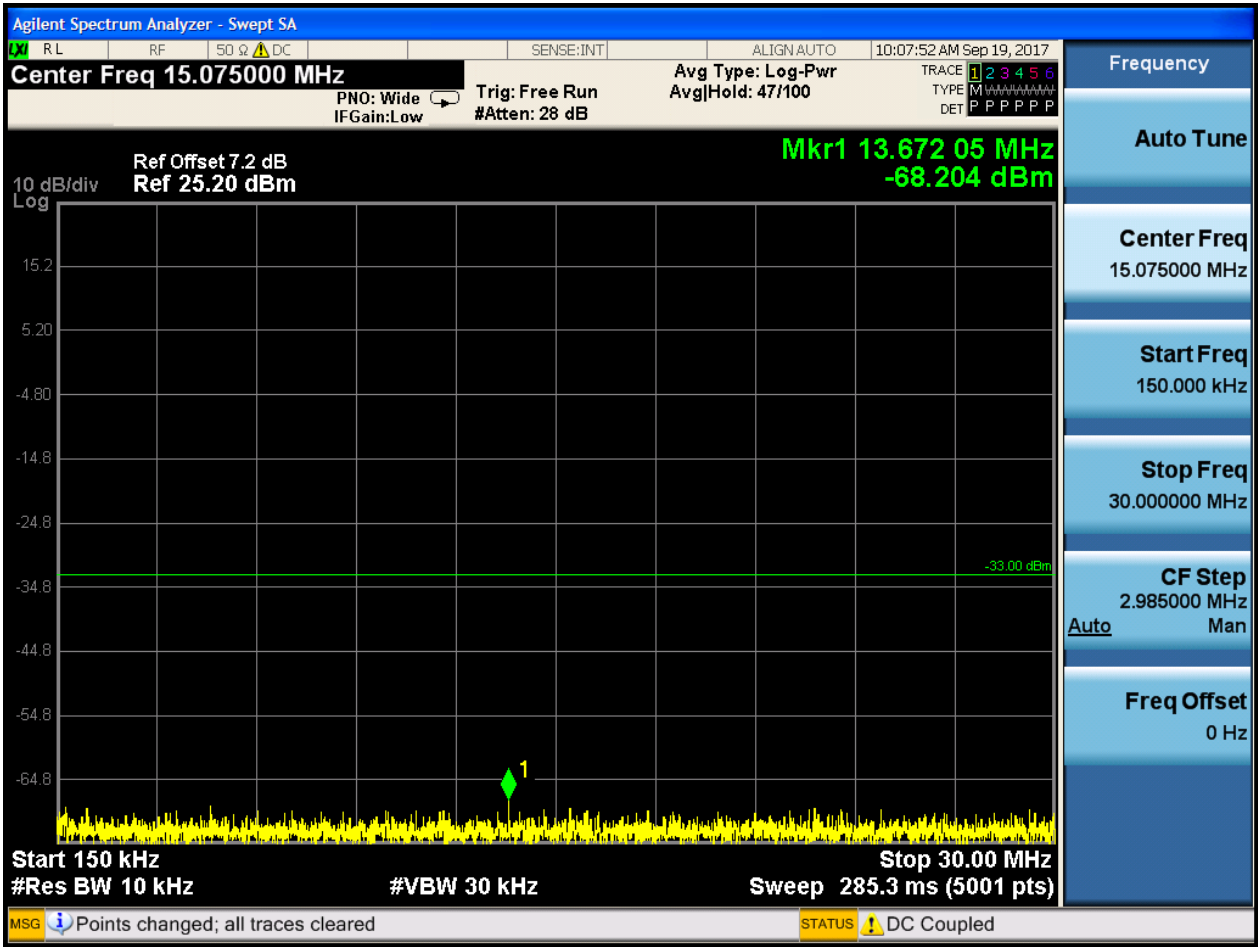
6.1.1.2 Test Mode = LTE/TM2

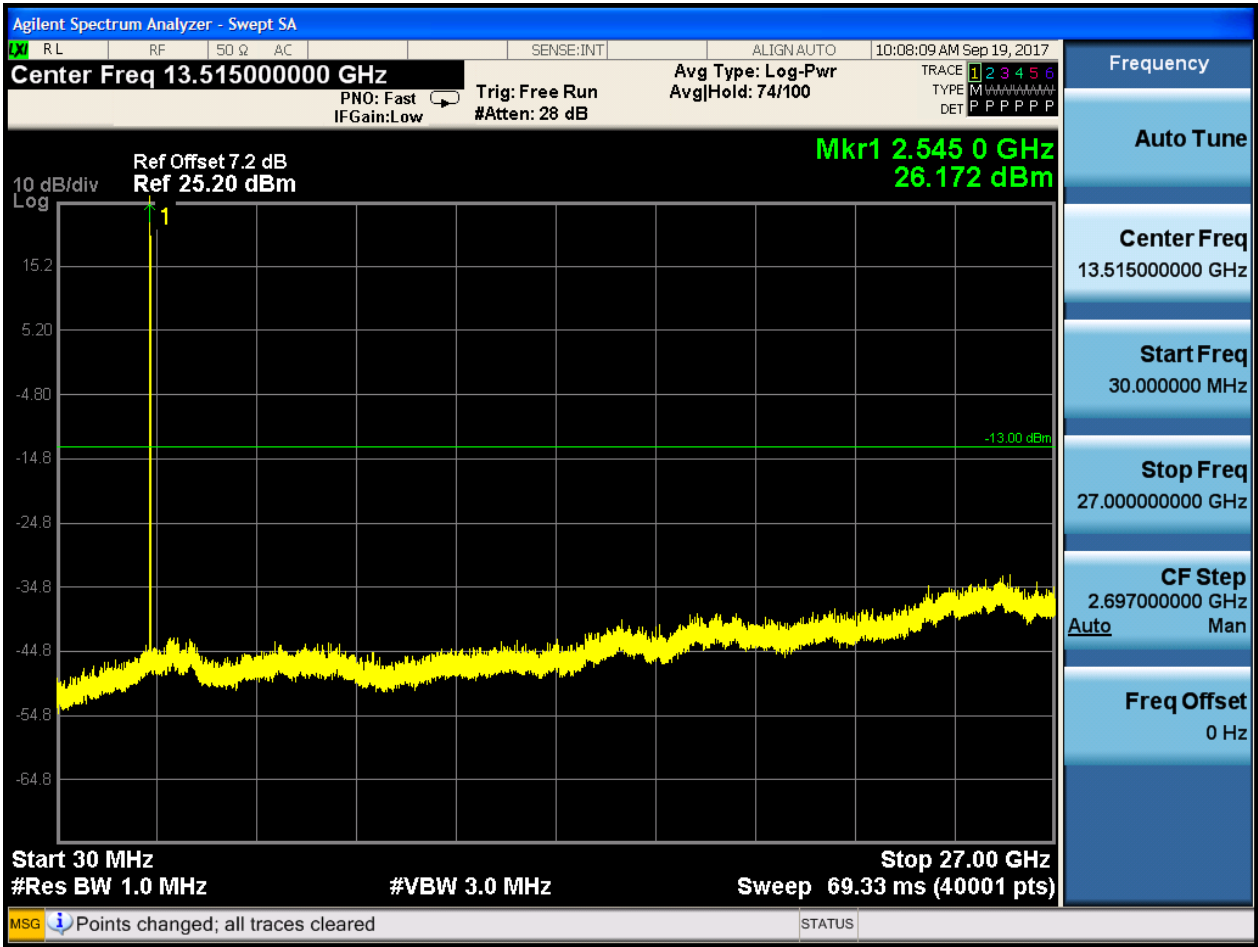
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



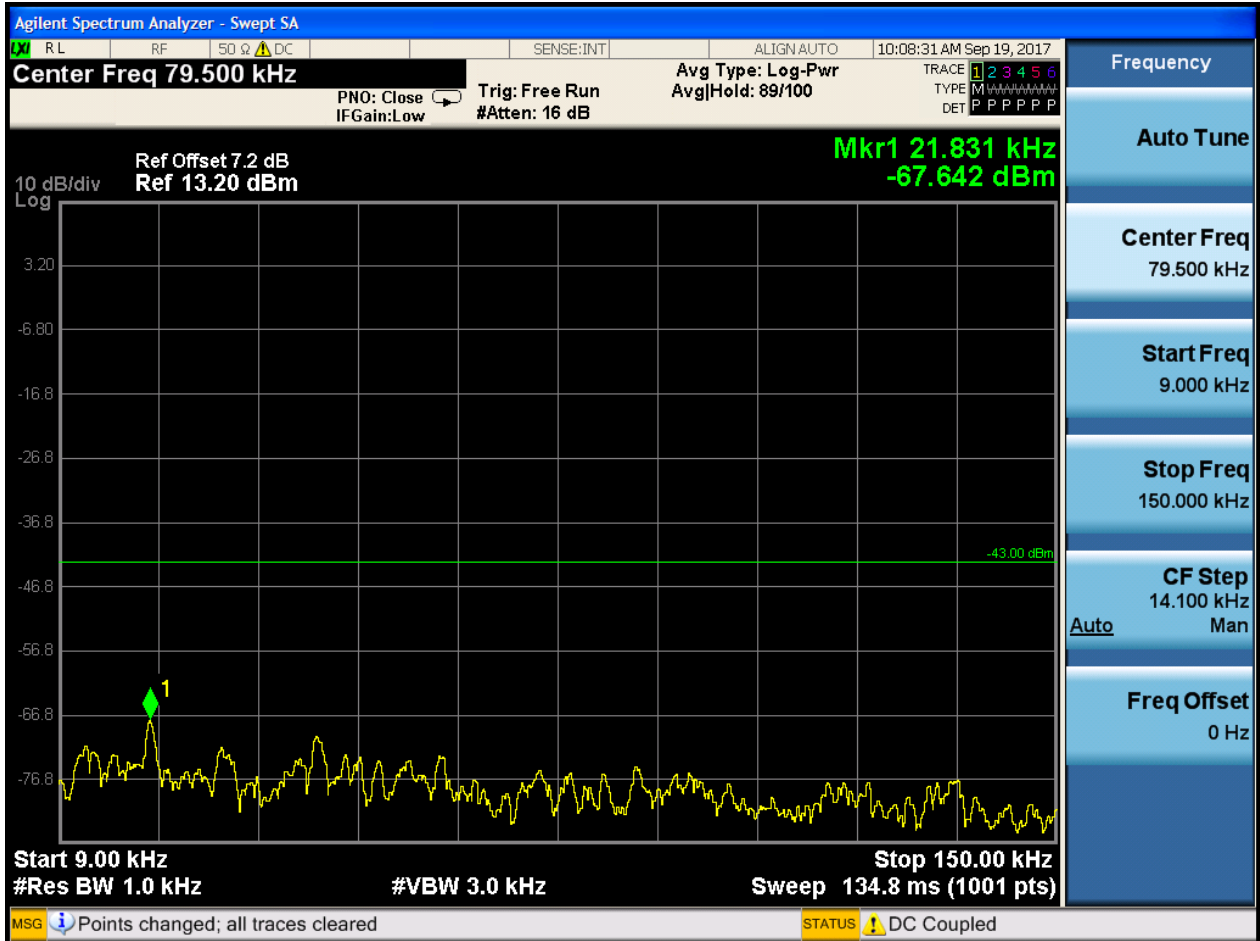


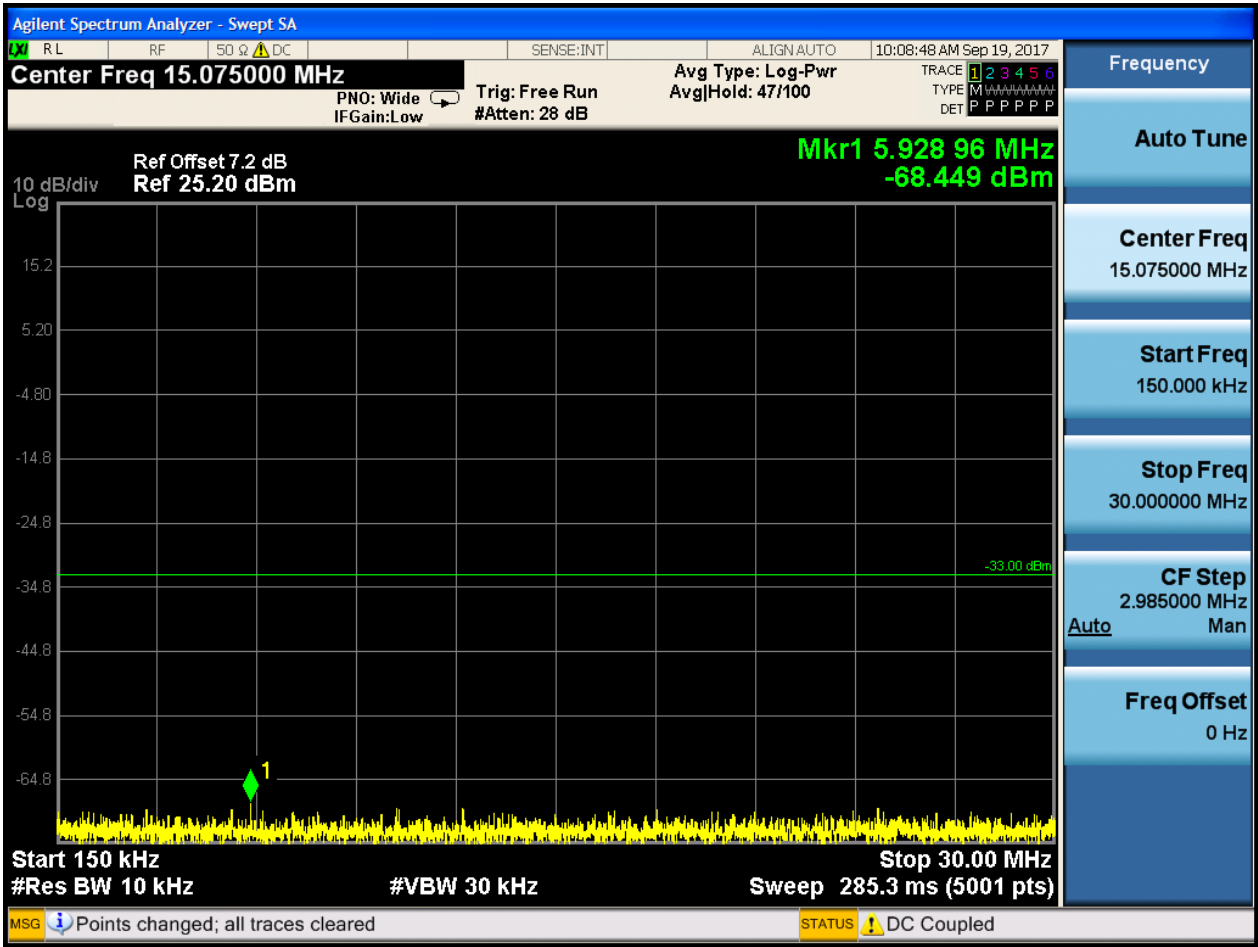


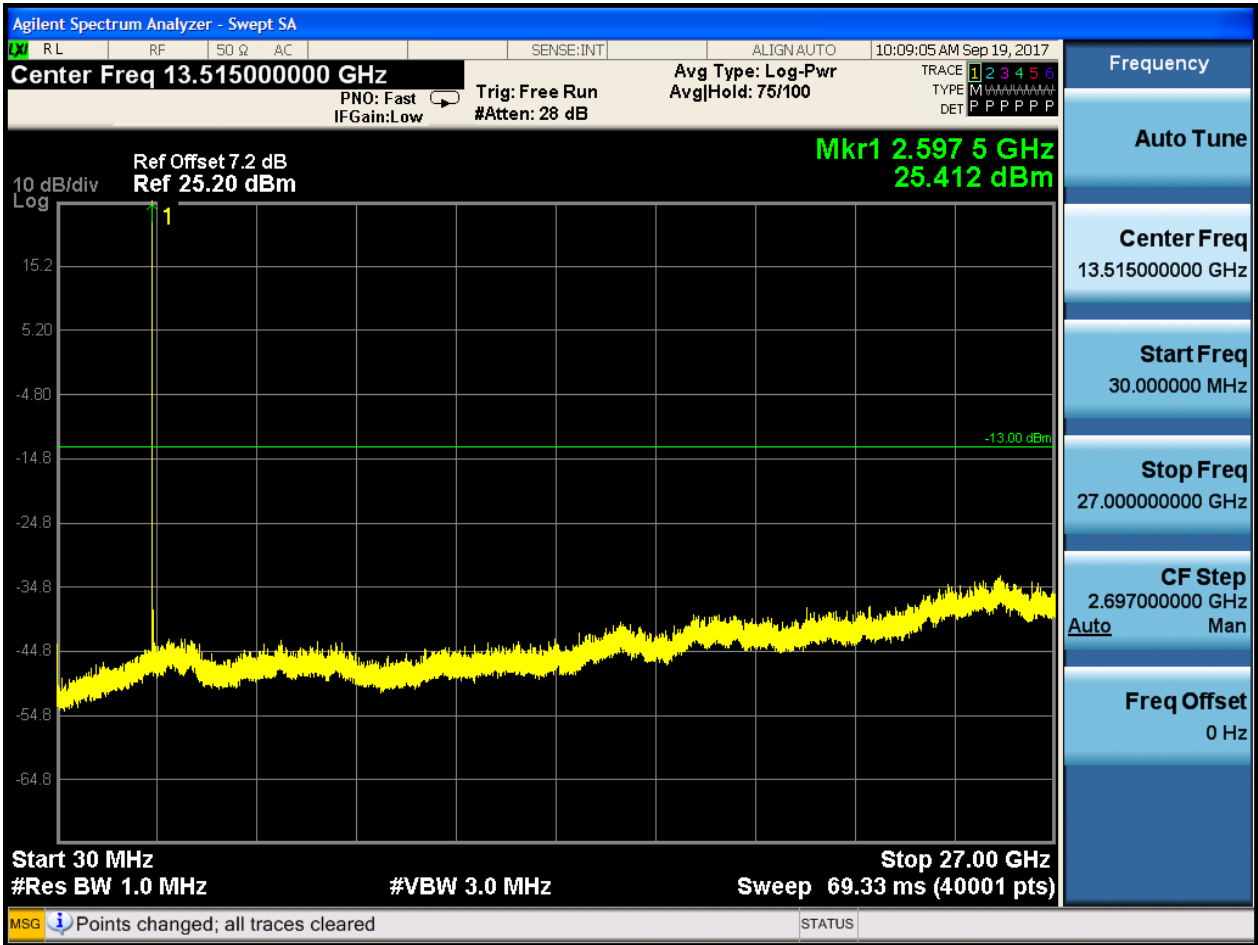


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



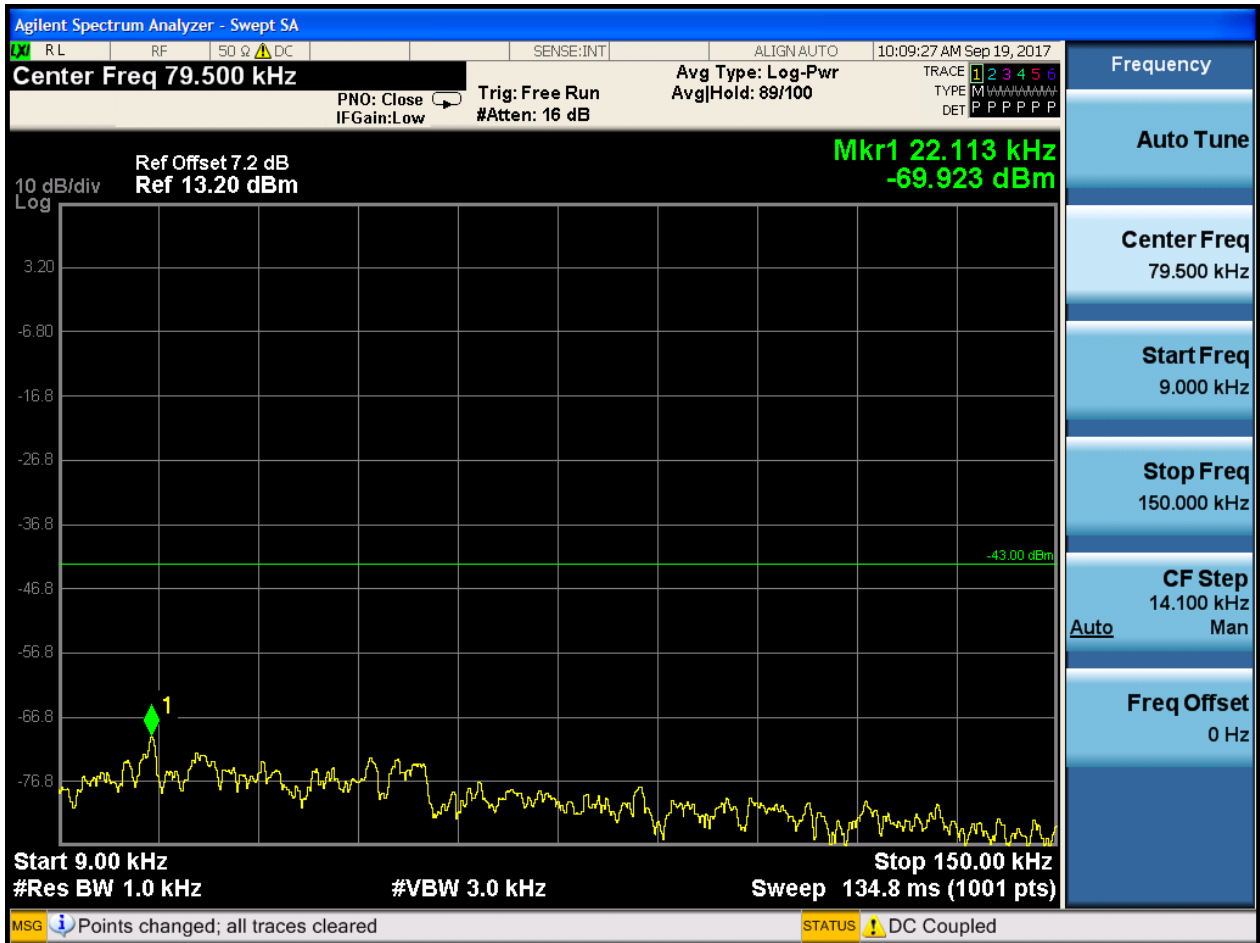


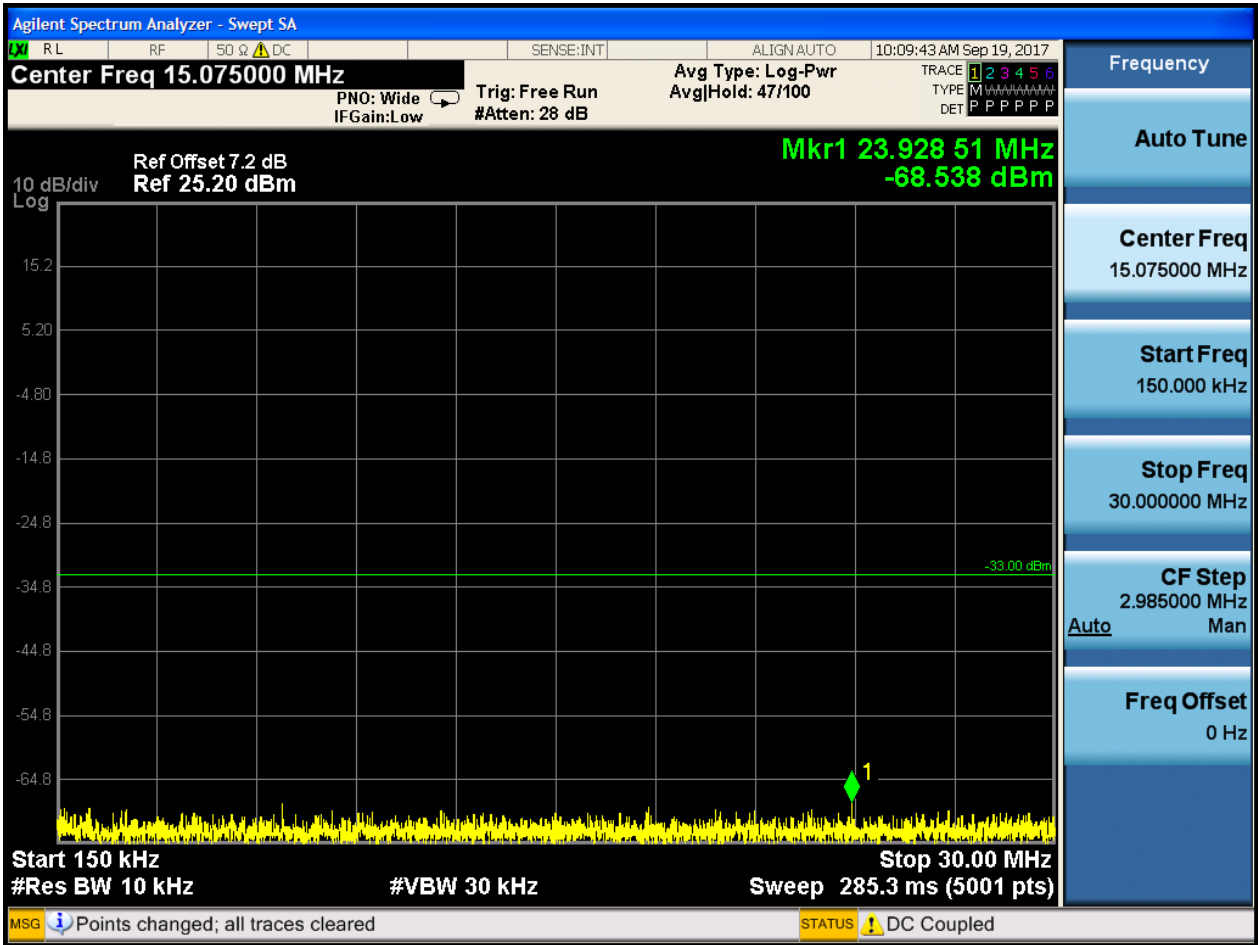


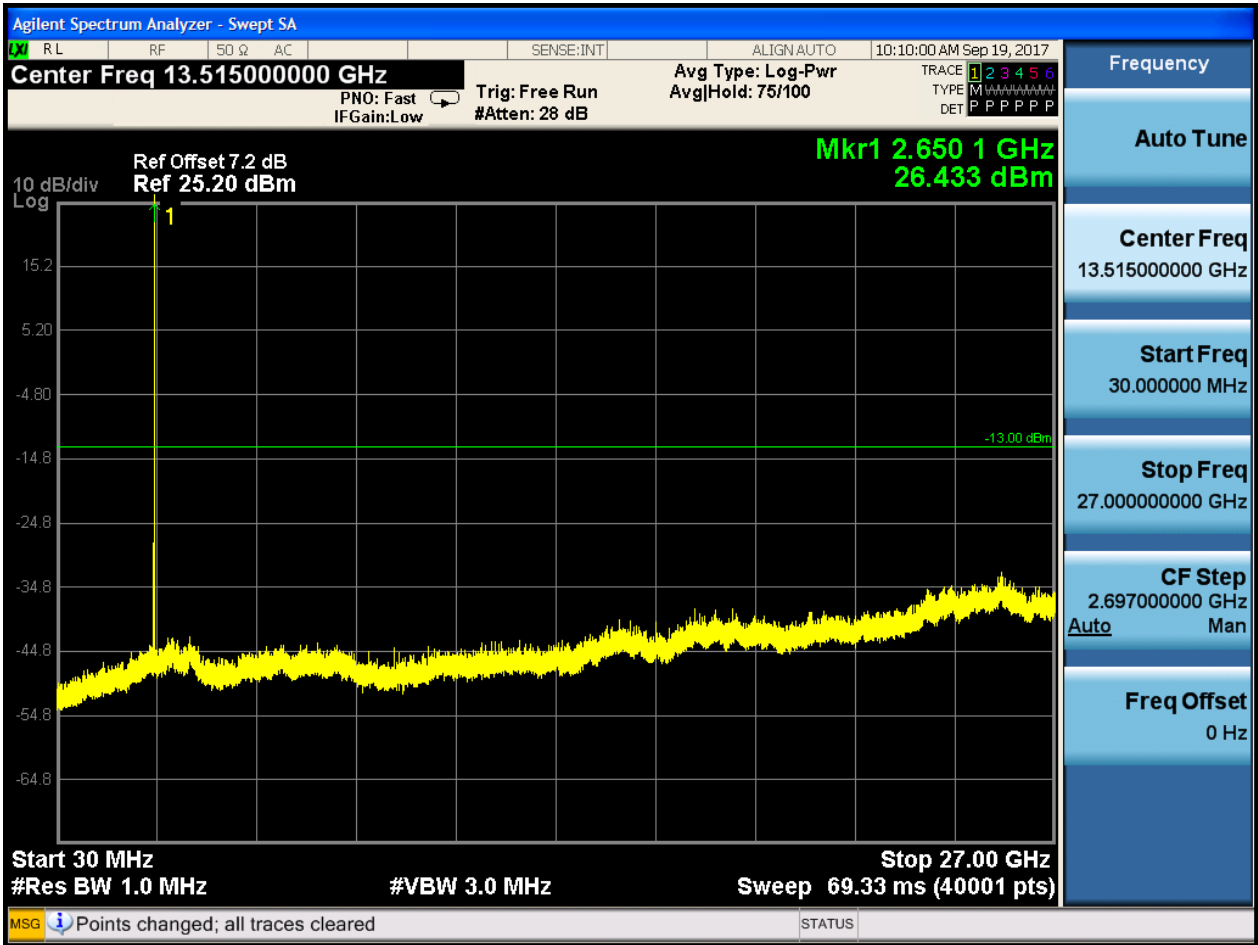


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





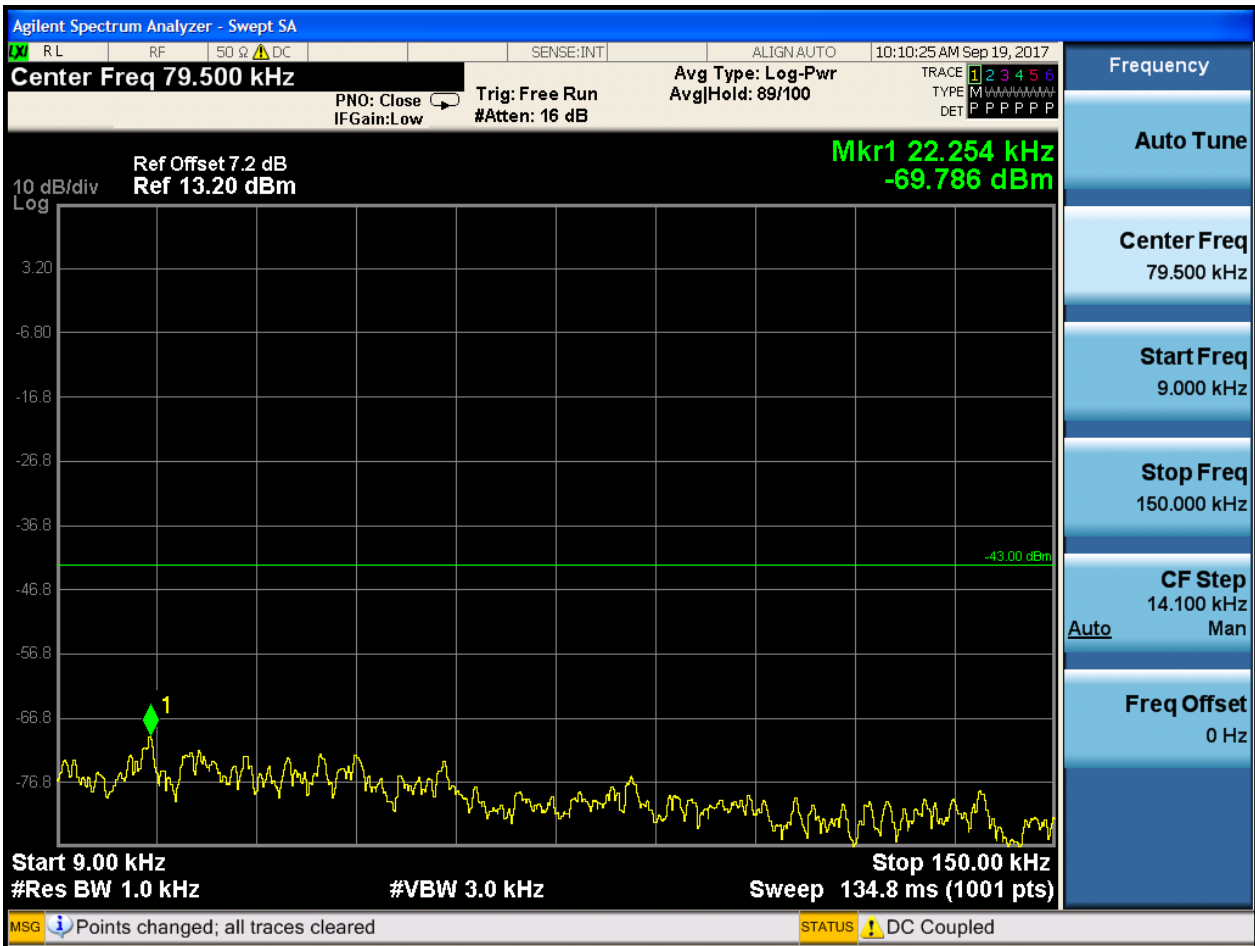


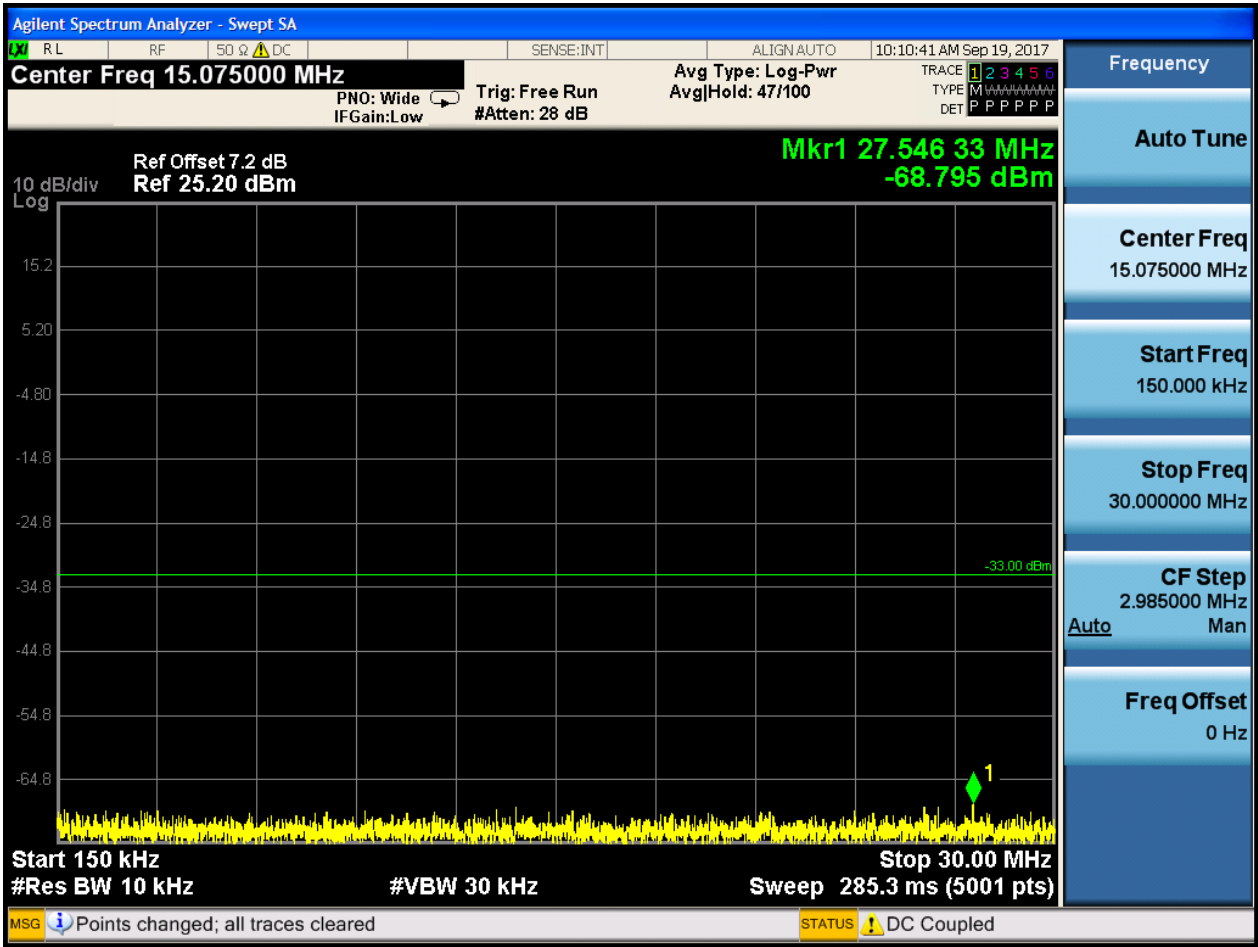


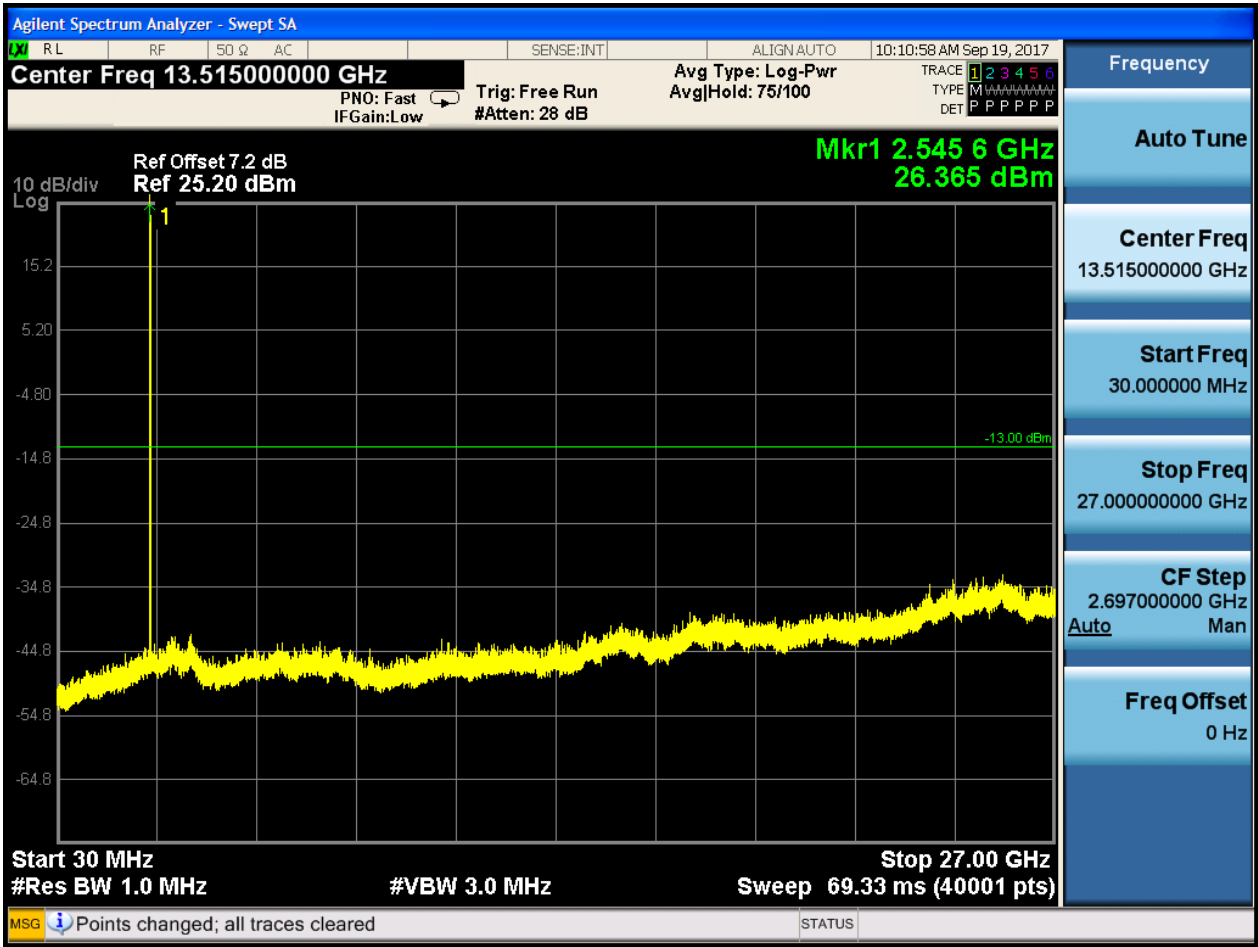
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



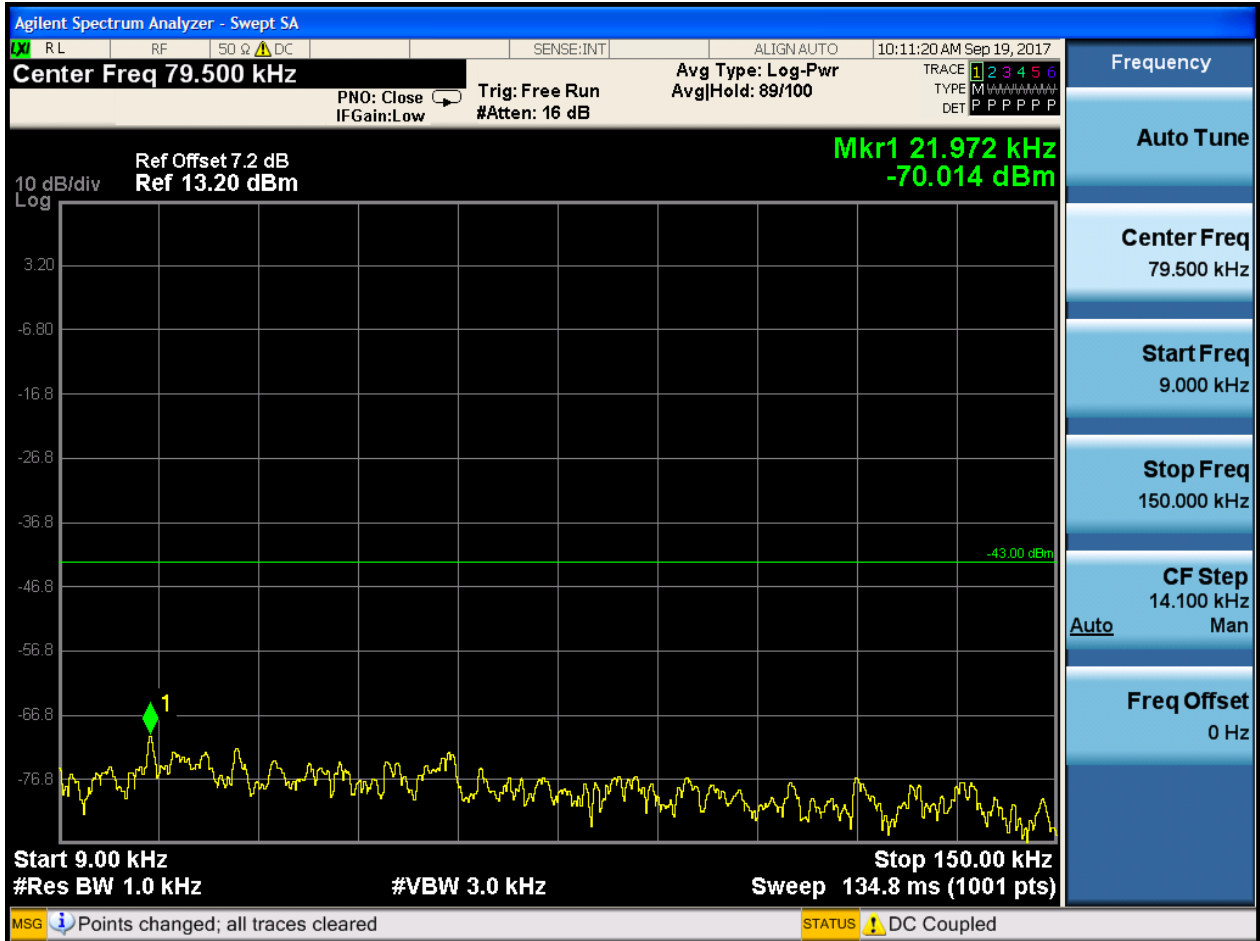


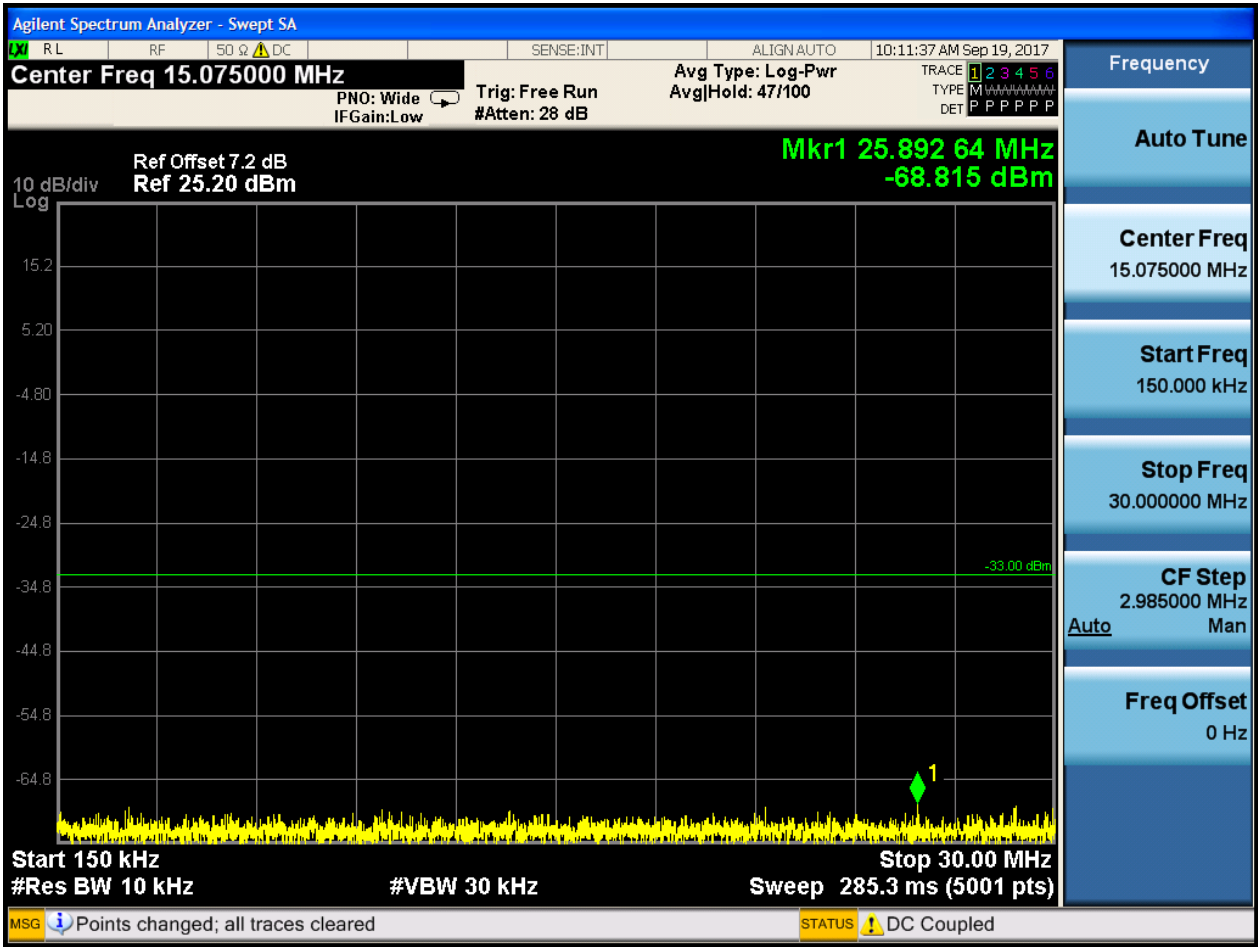


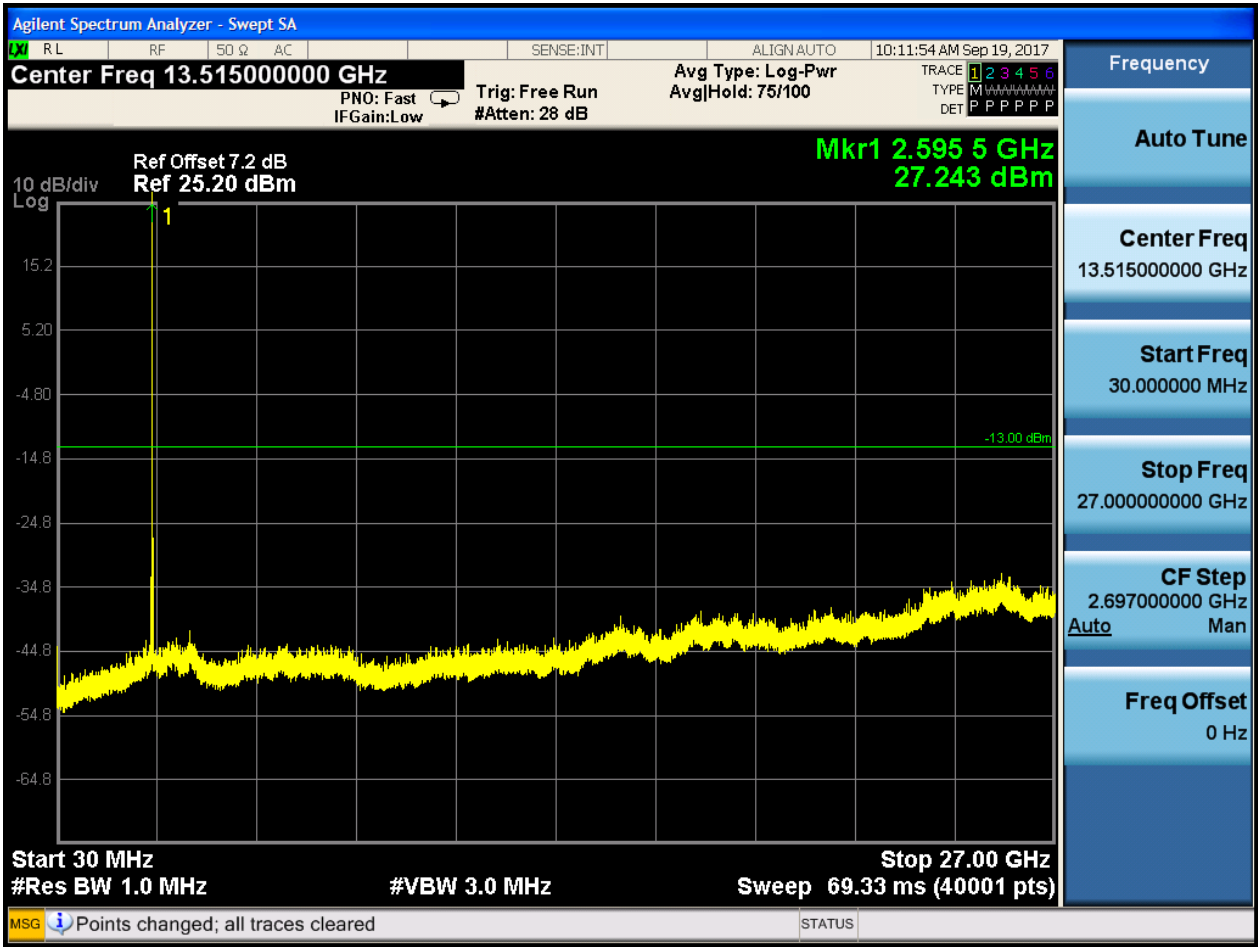


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



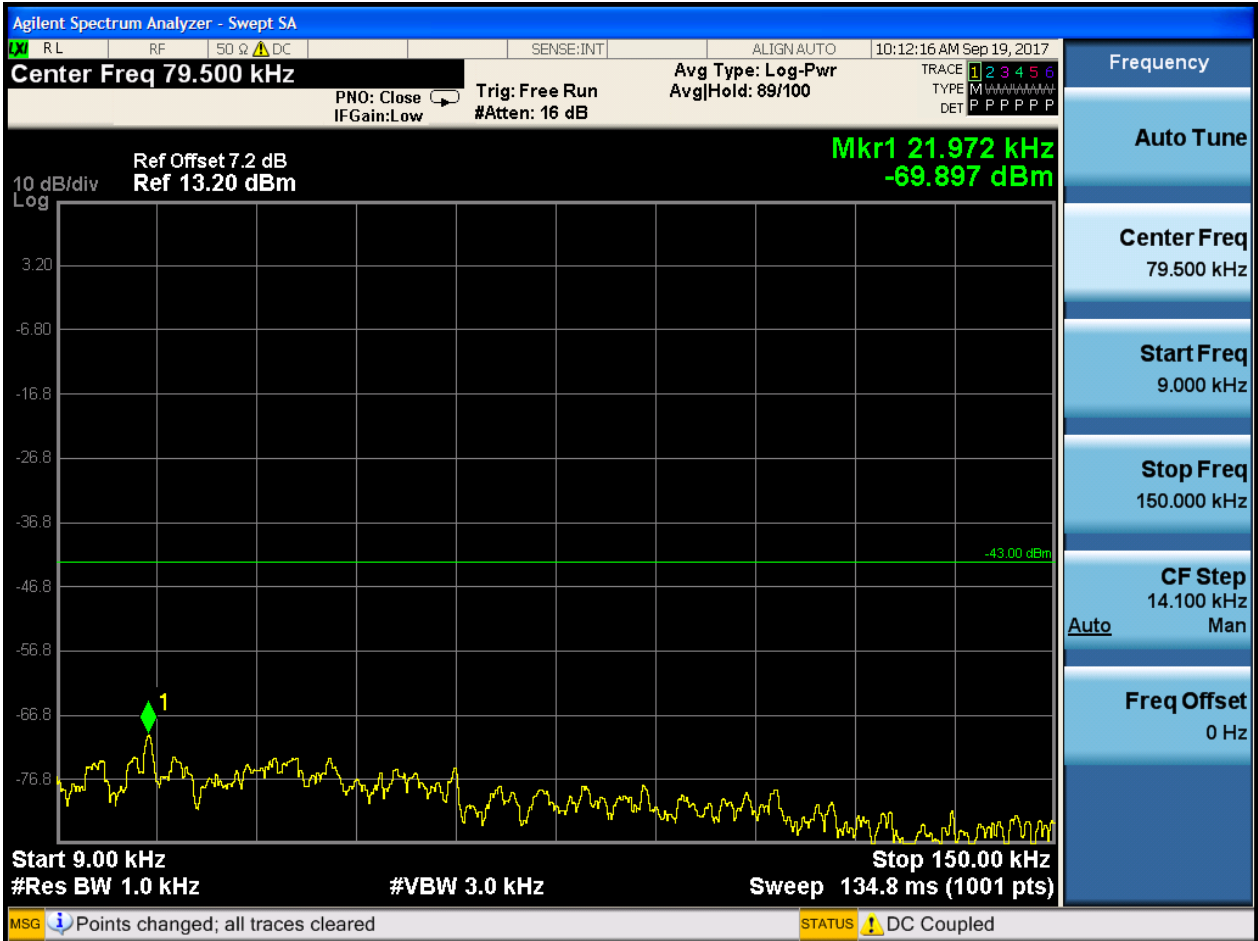


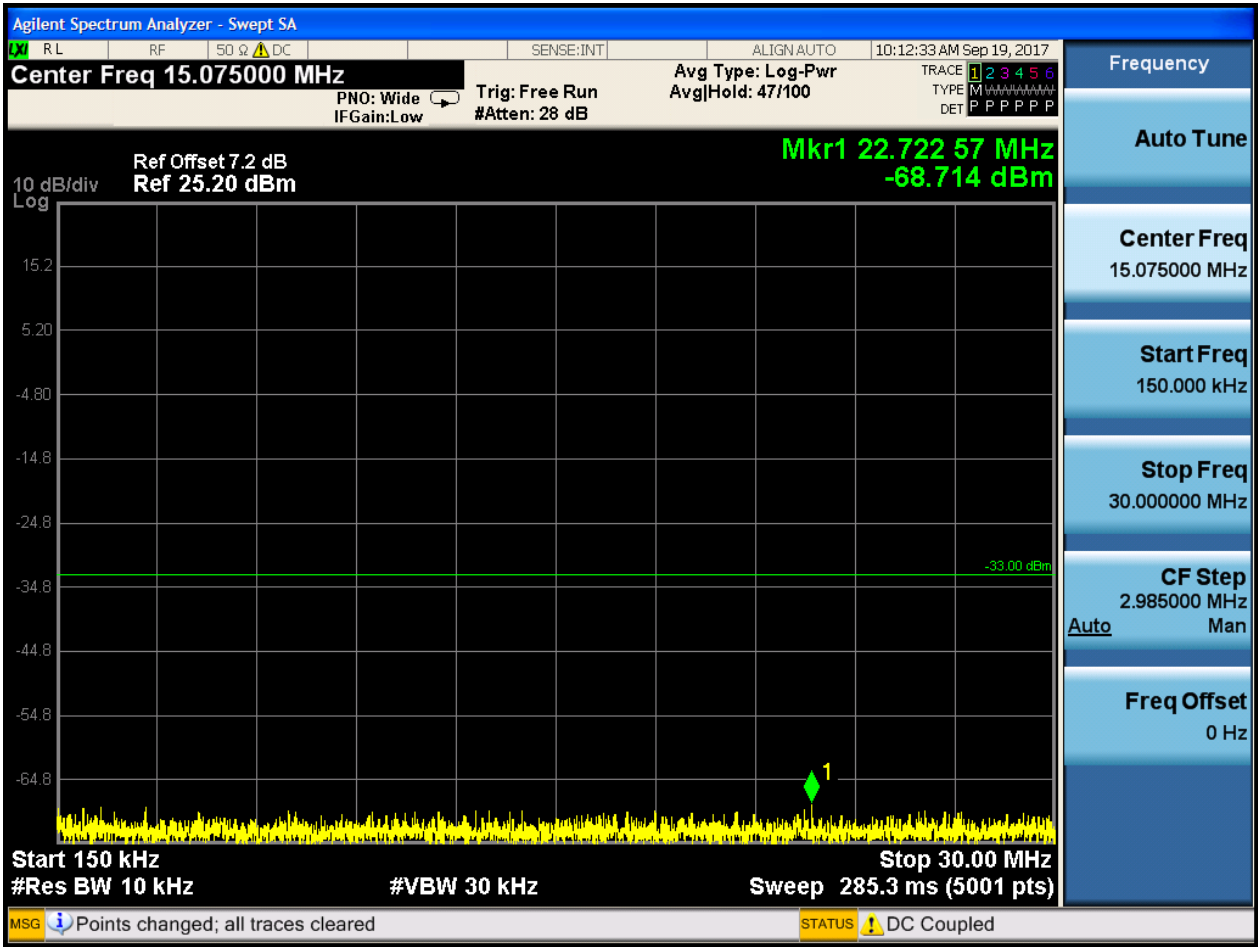


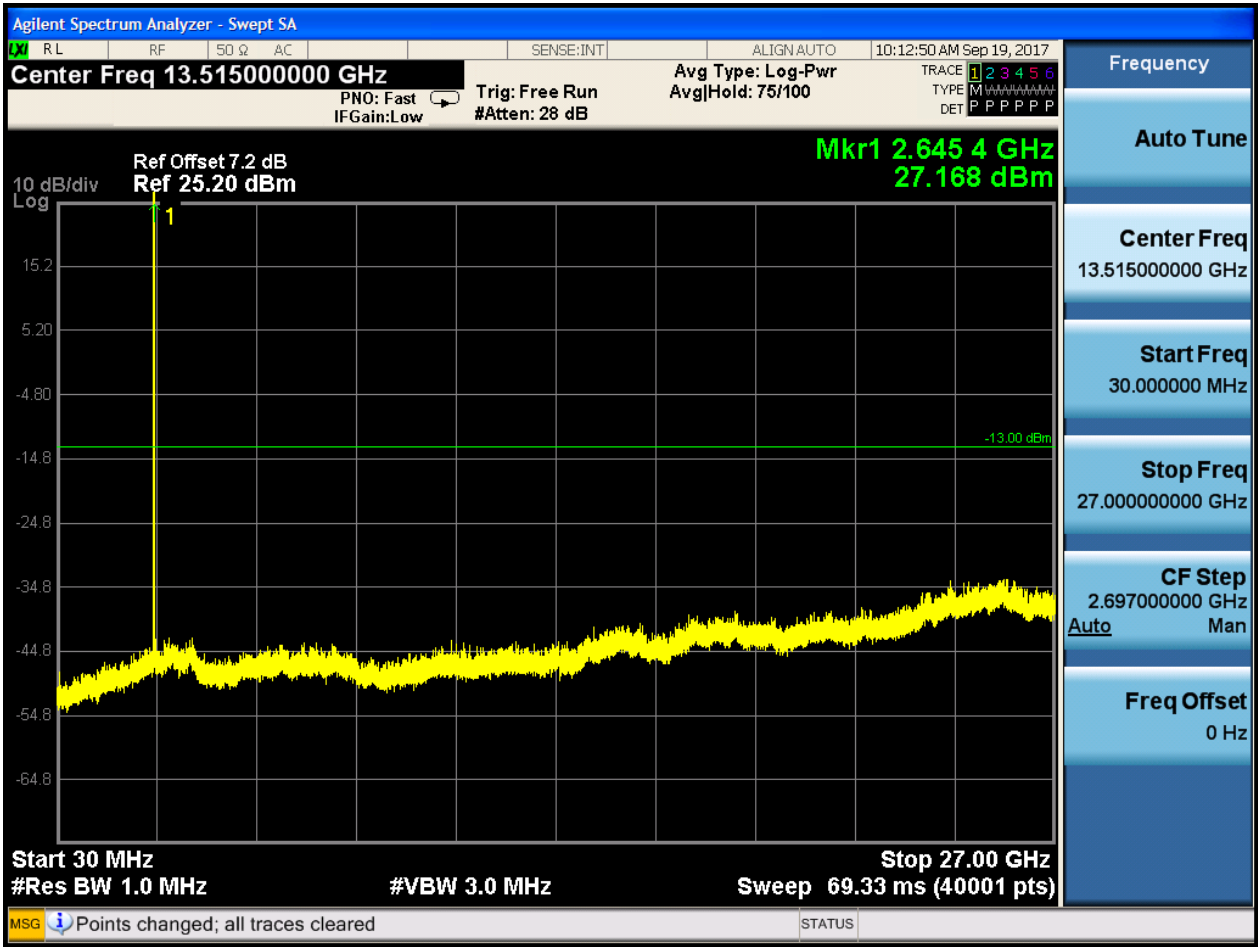


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





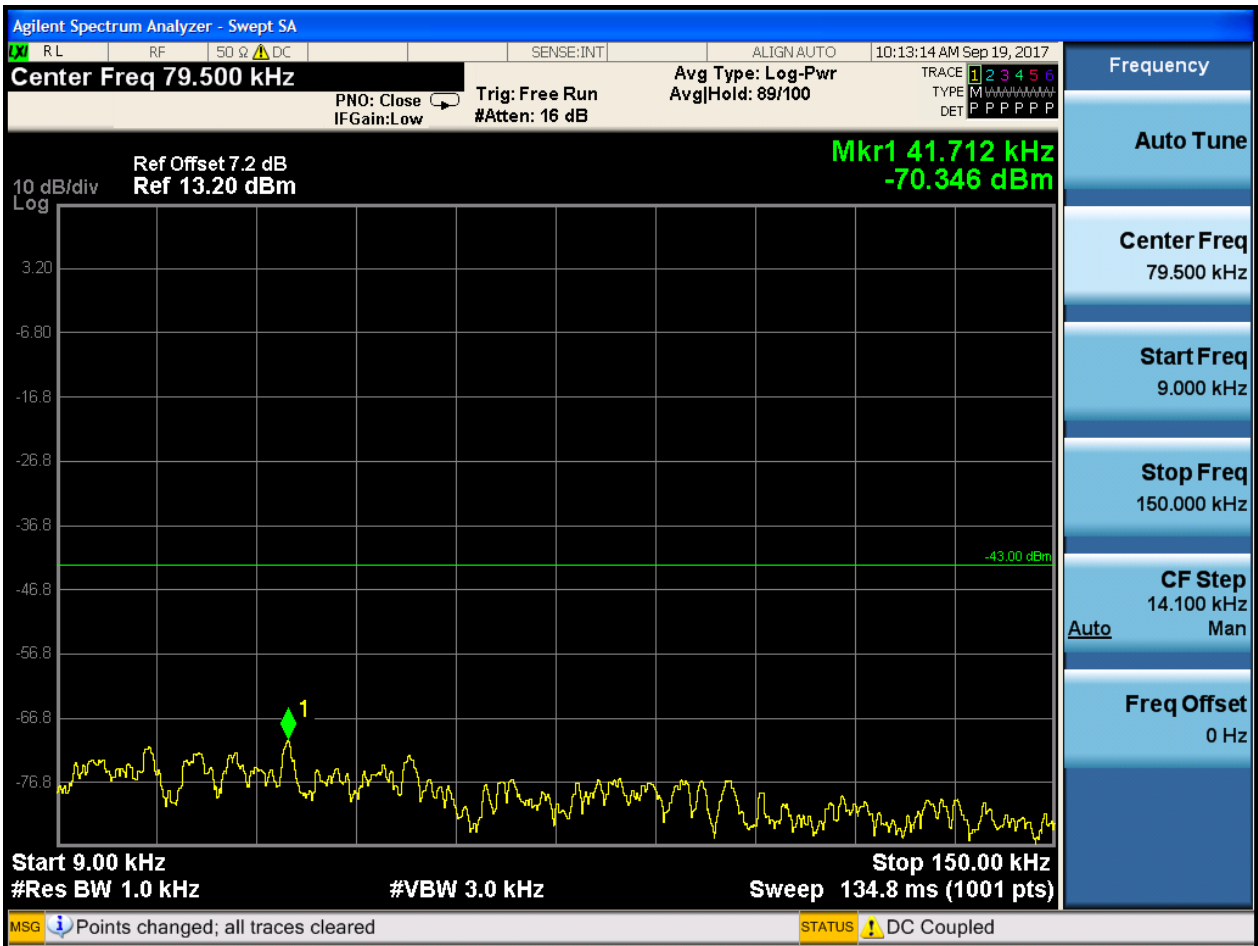


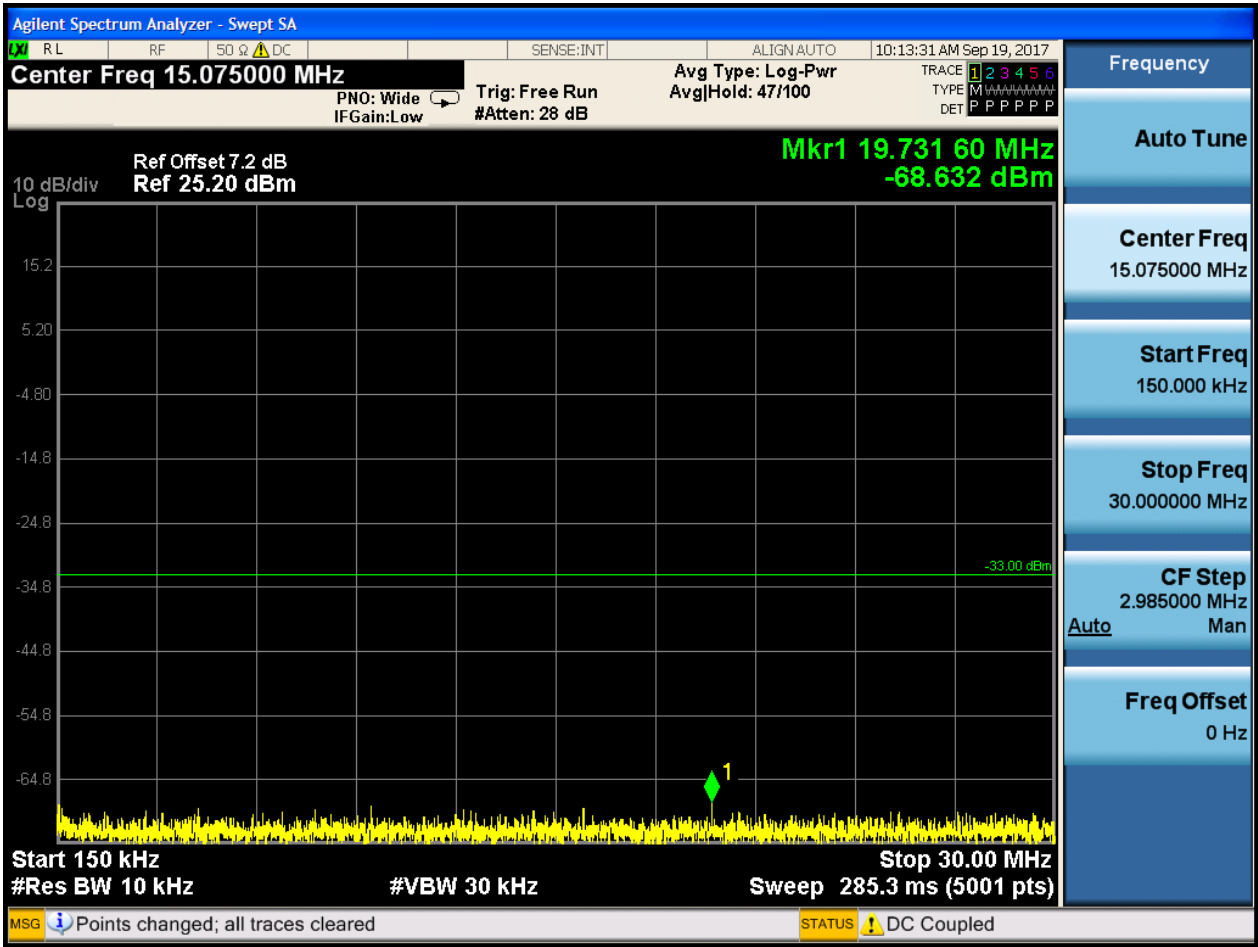


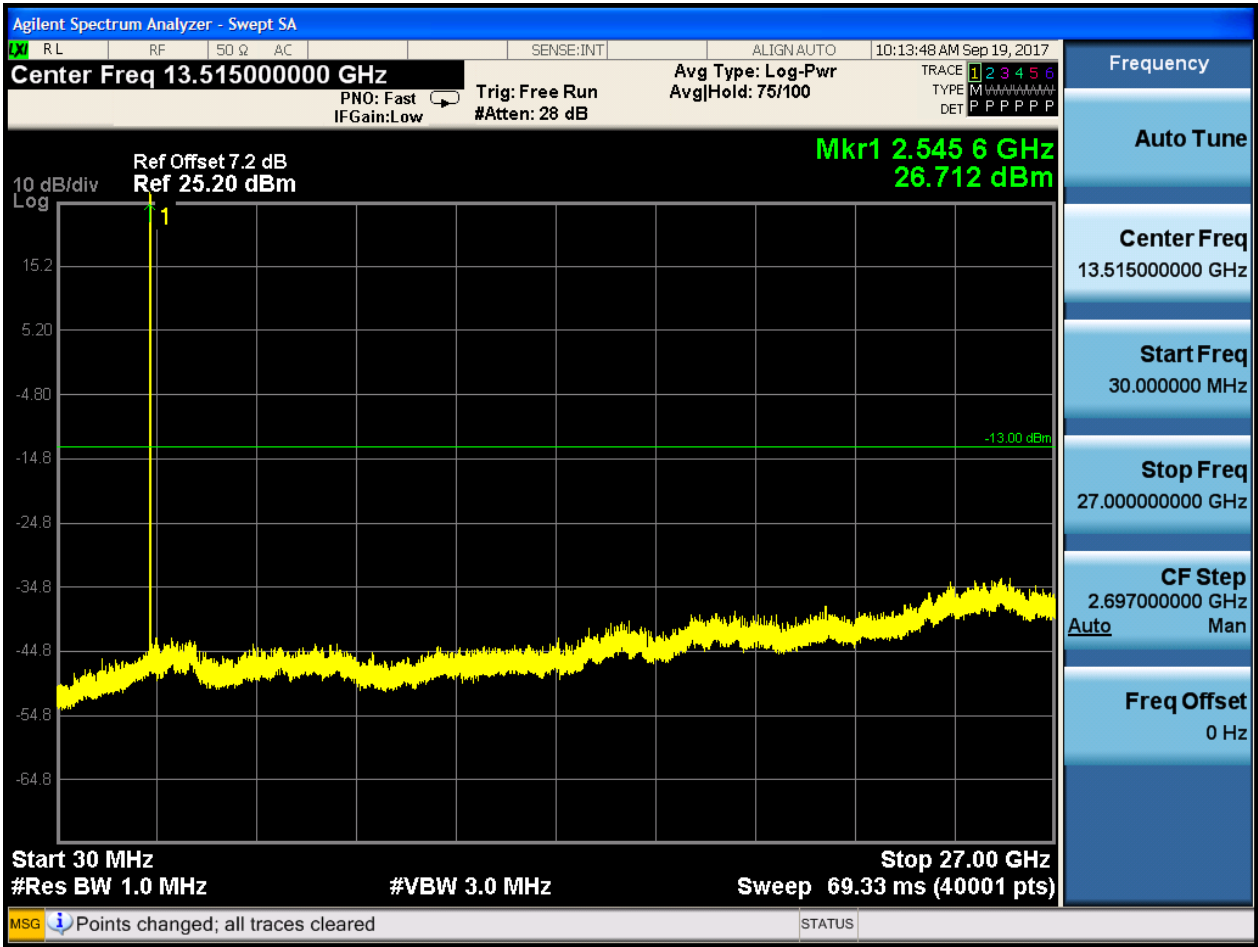
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



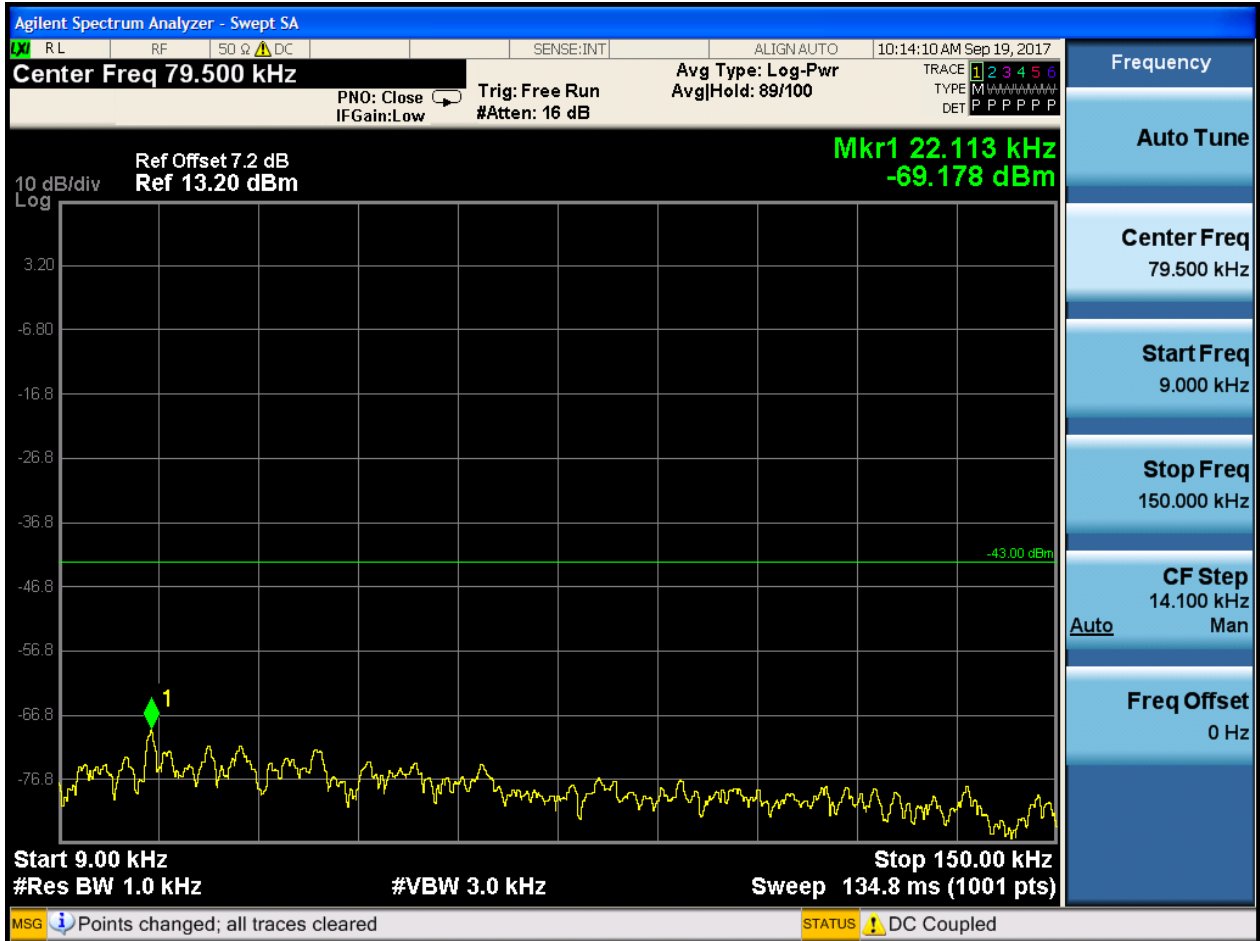




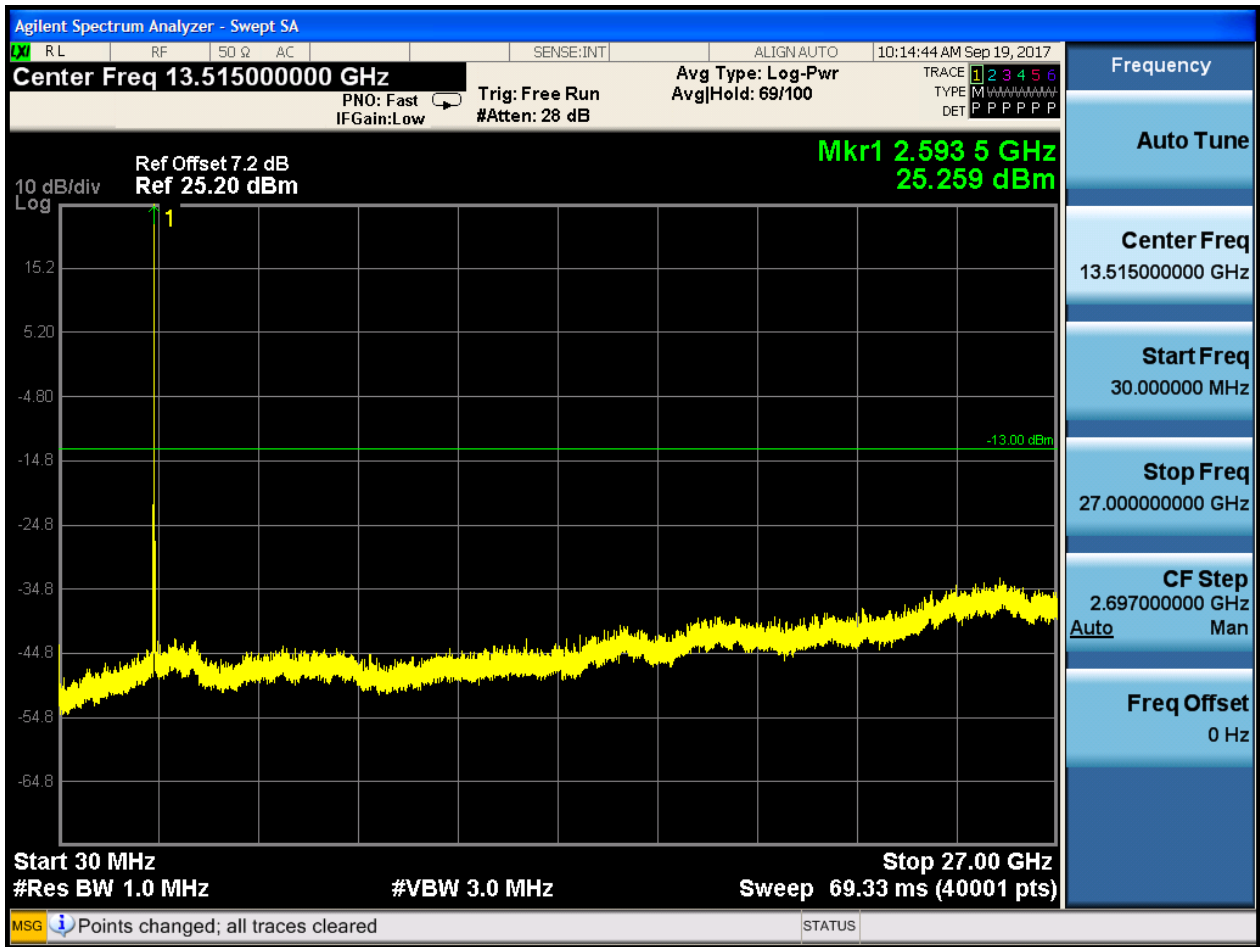


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



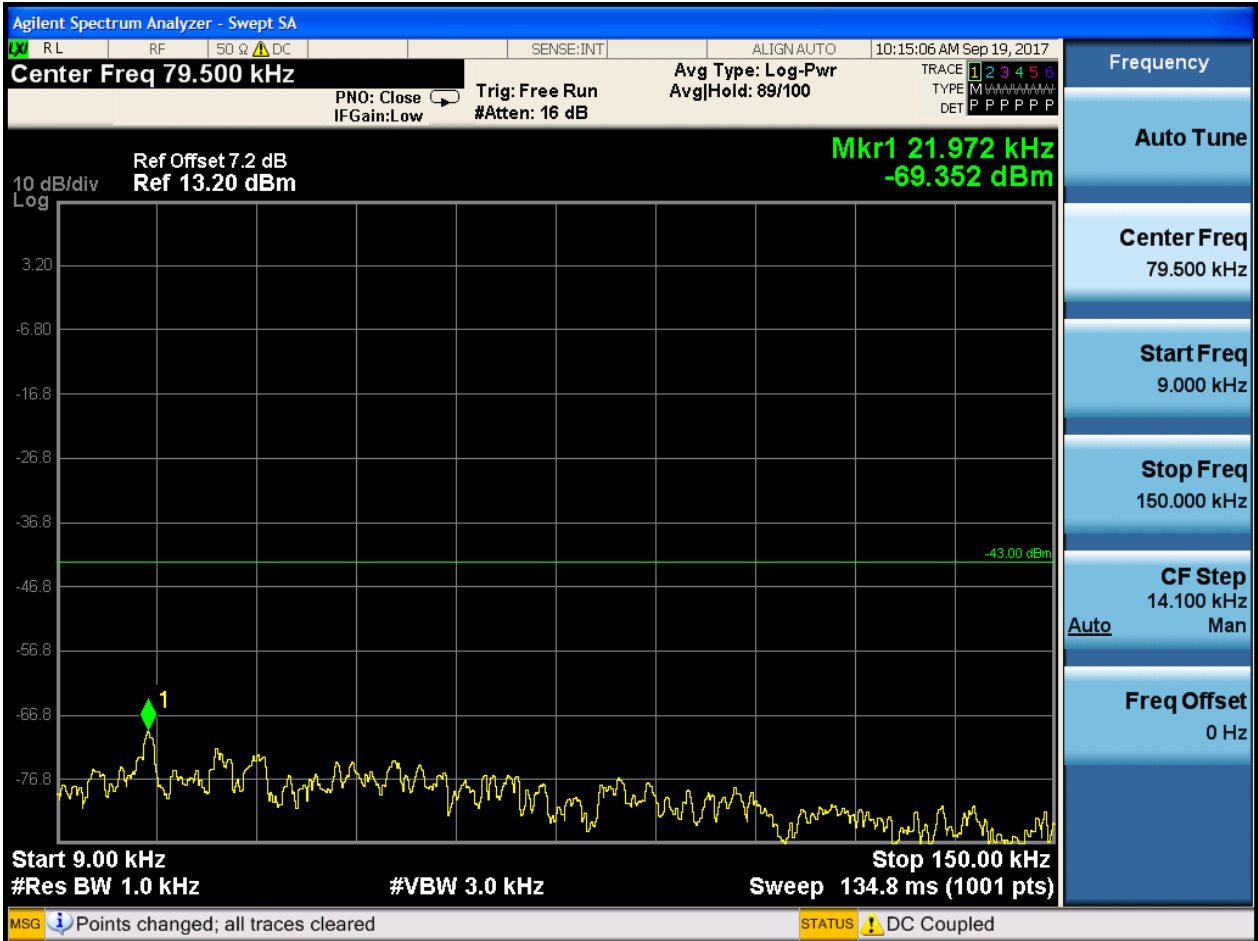


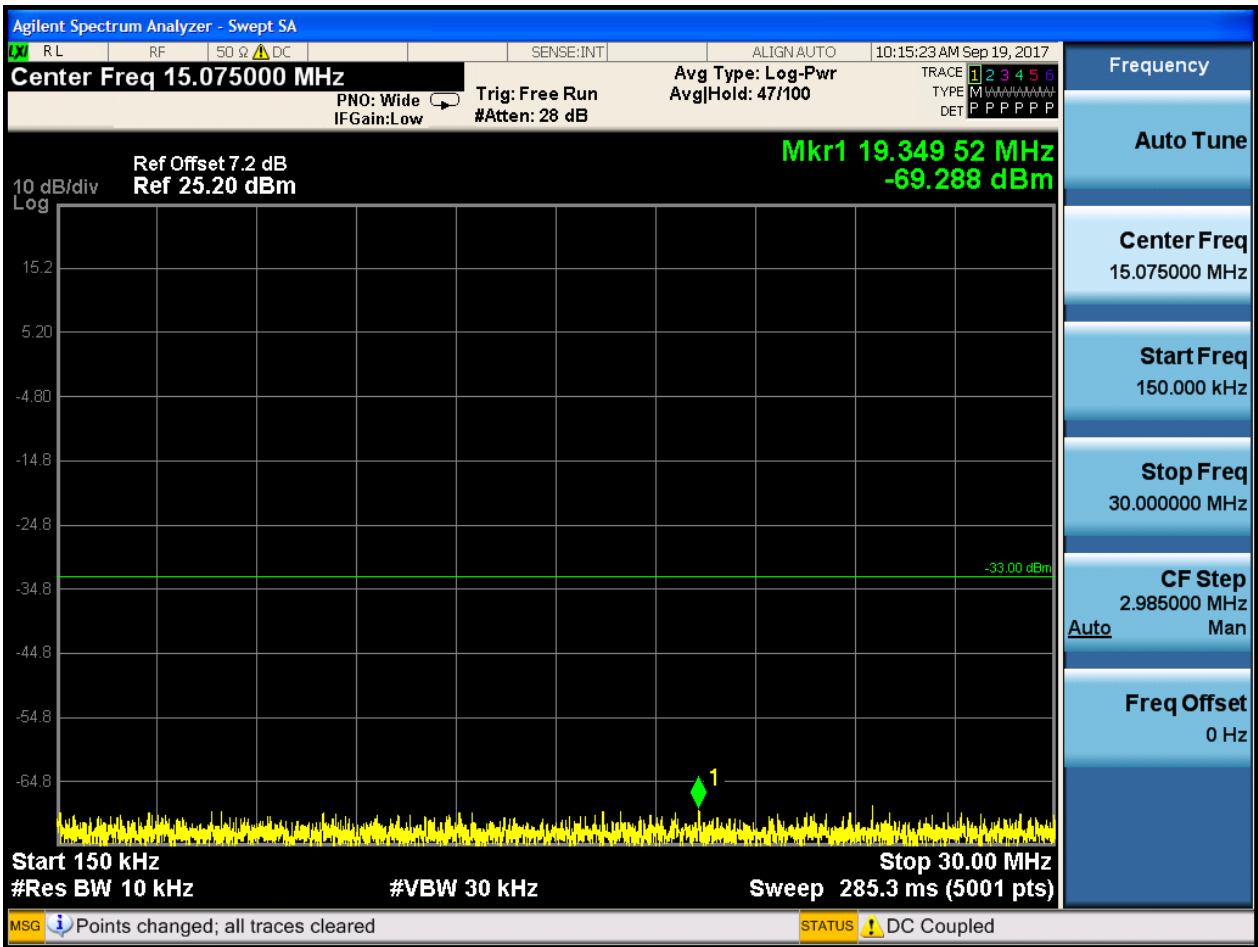


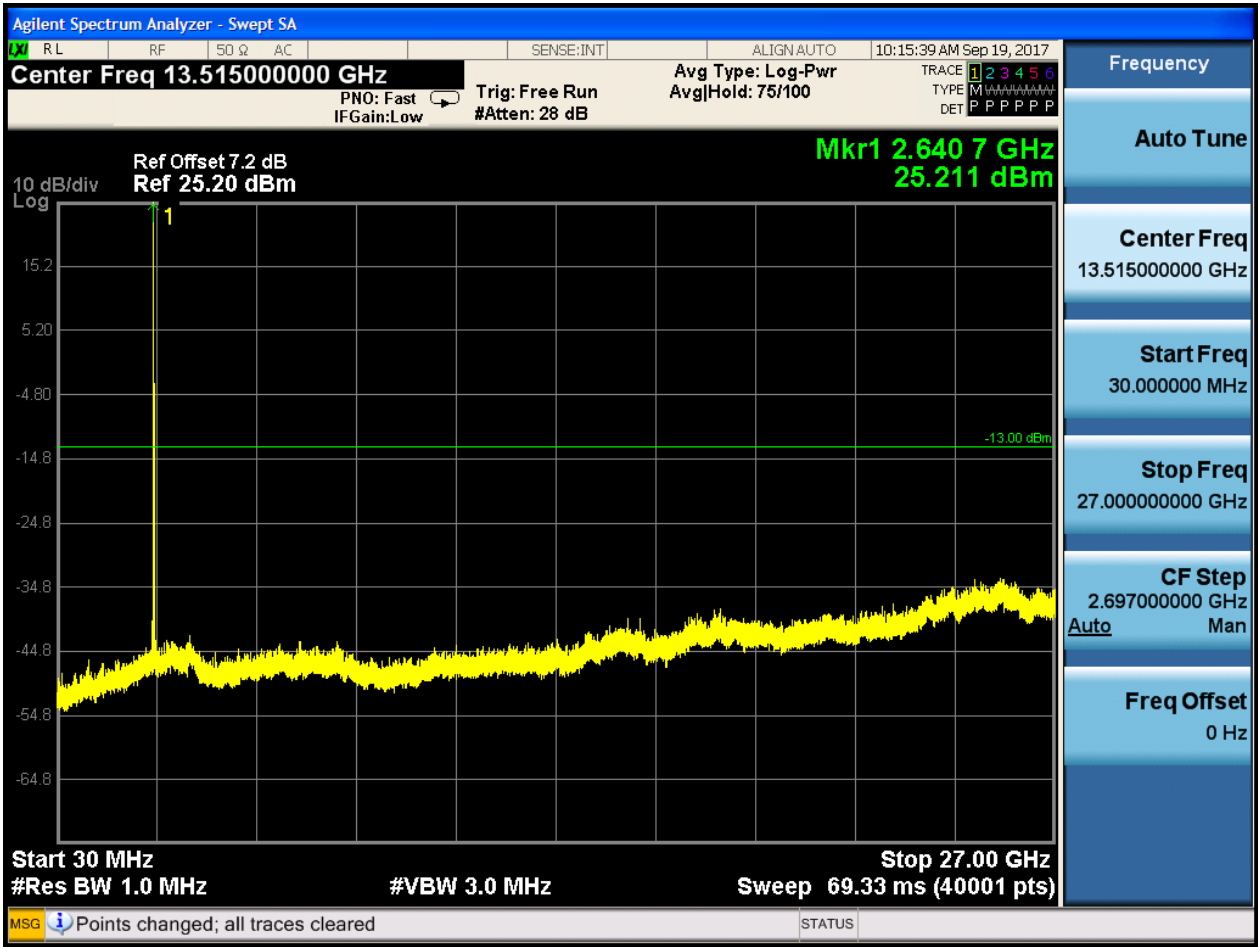


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





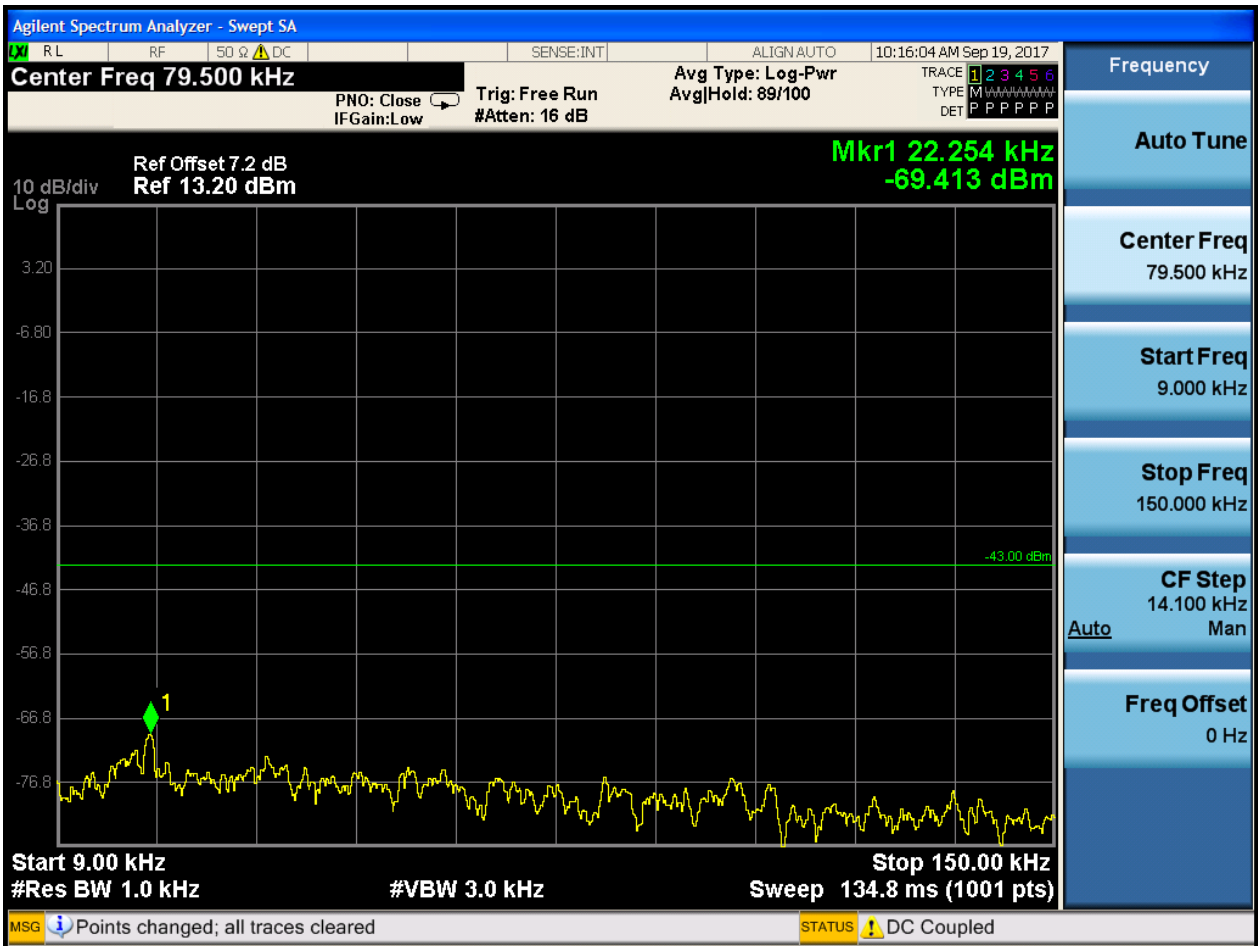


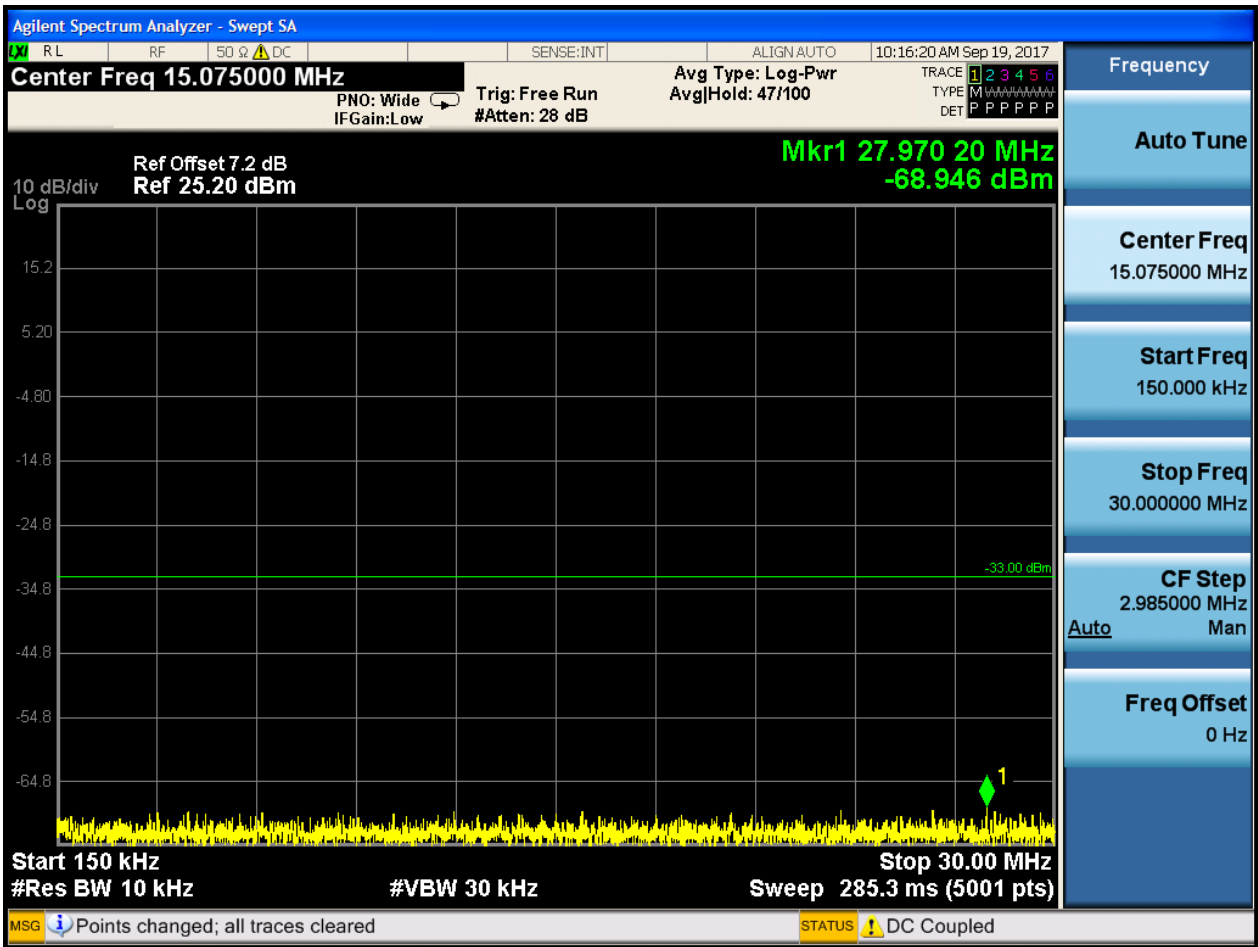


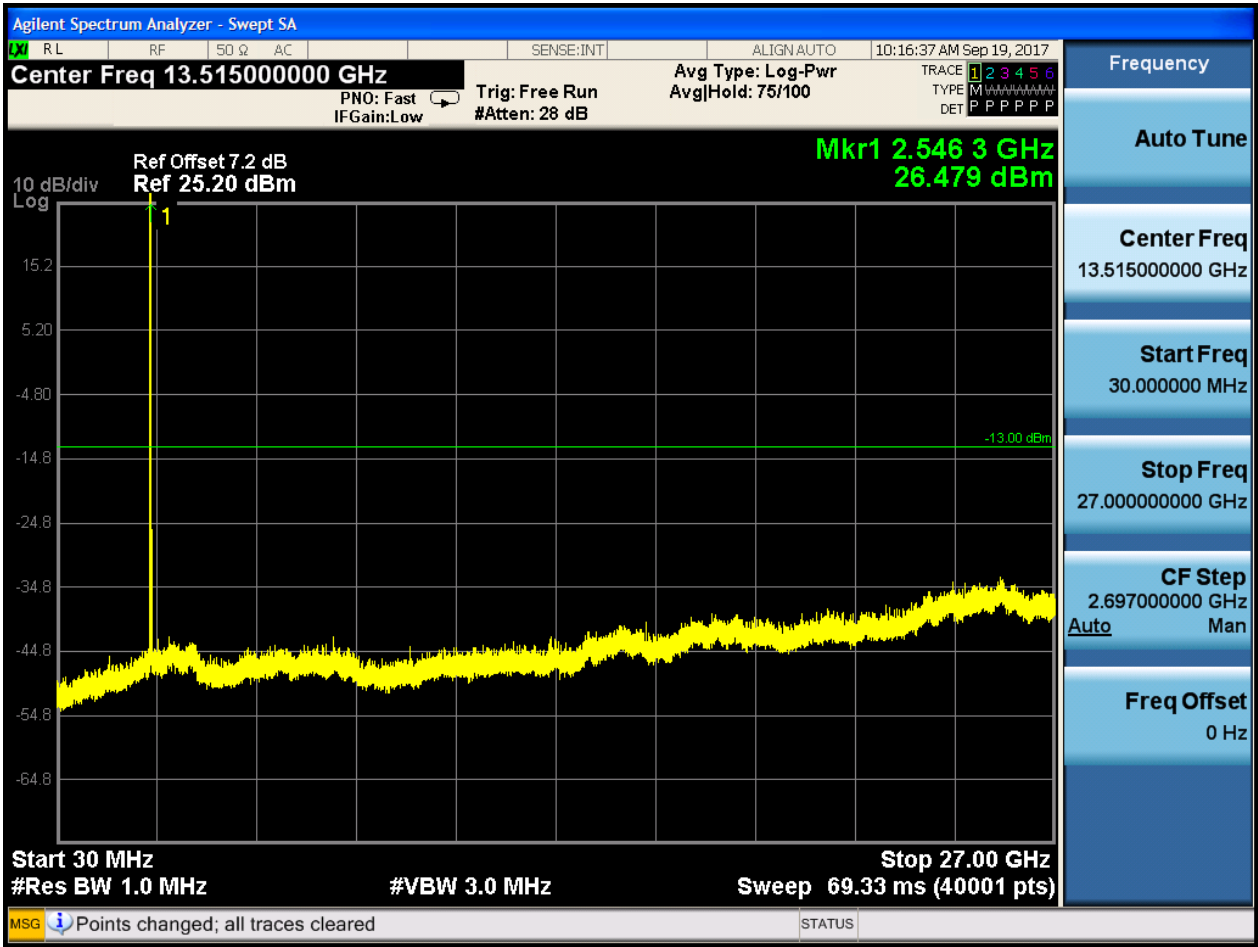
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



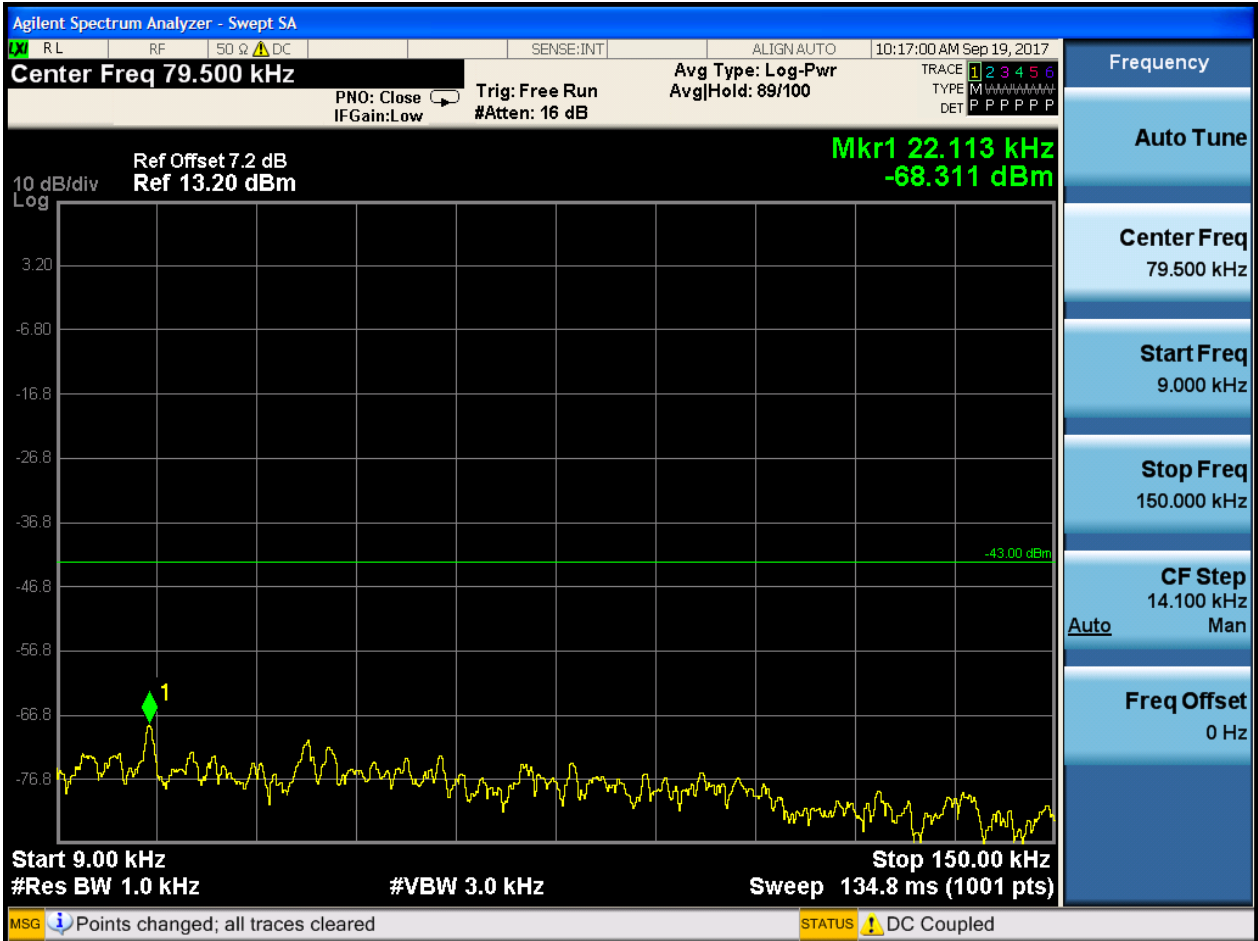


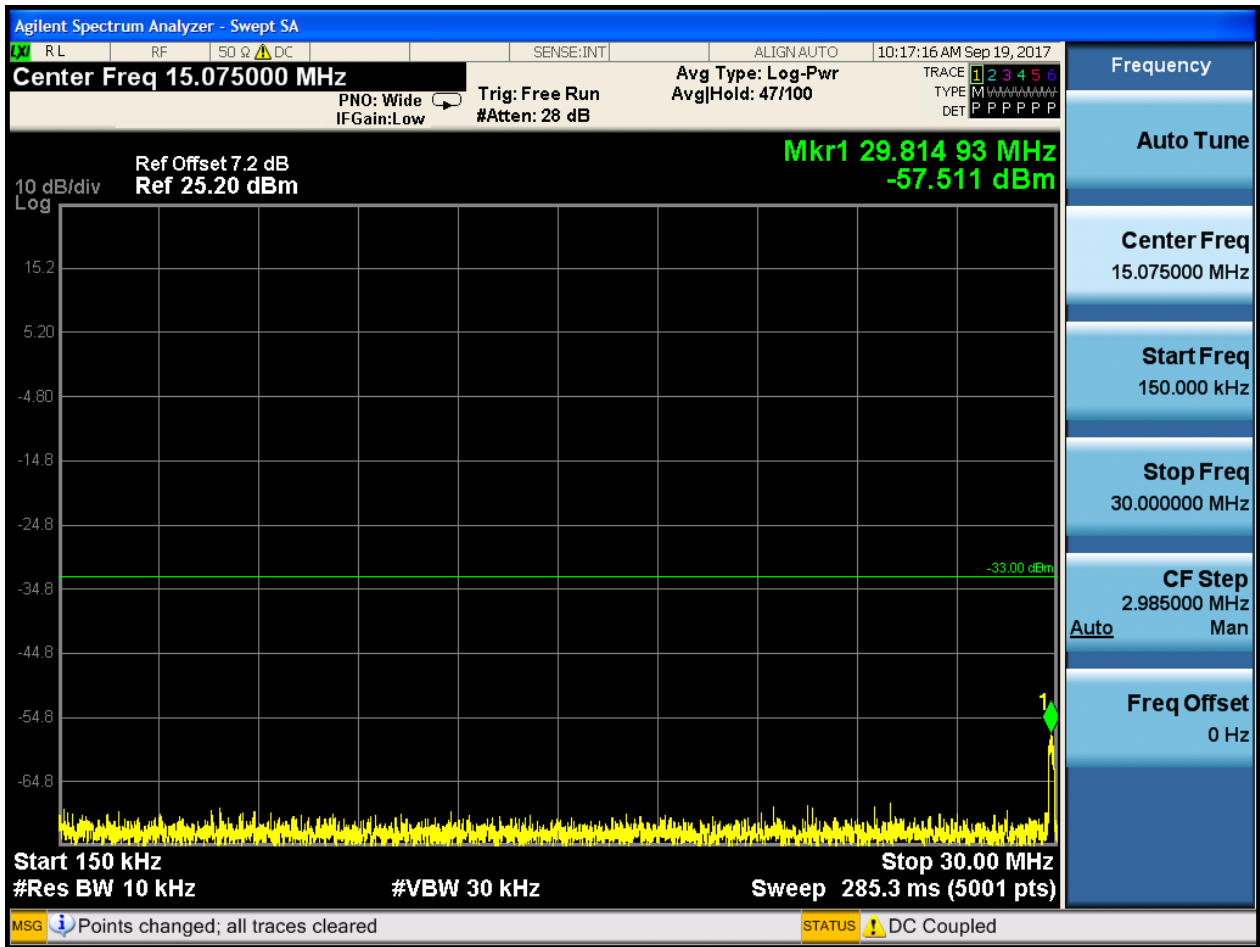


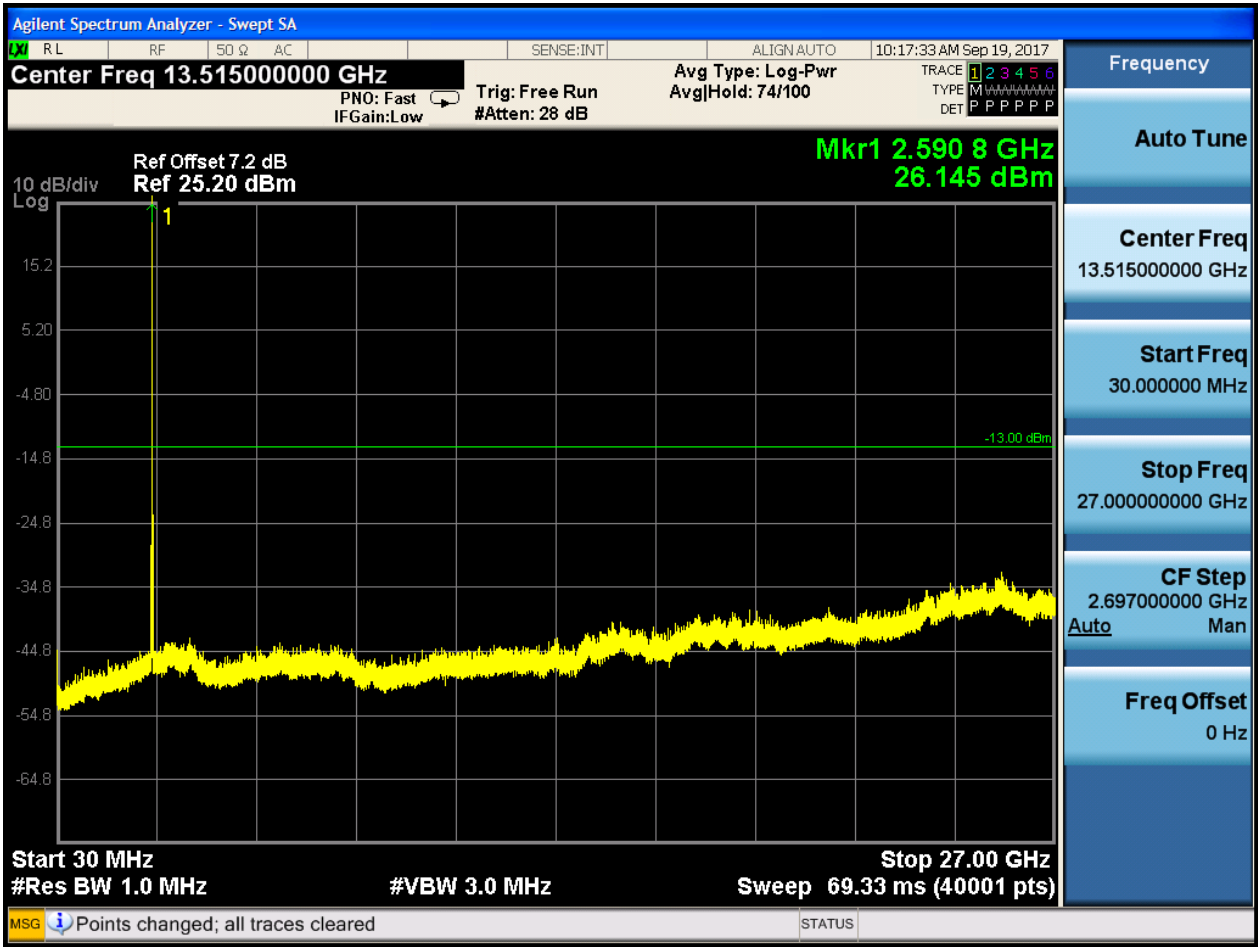


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



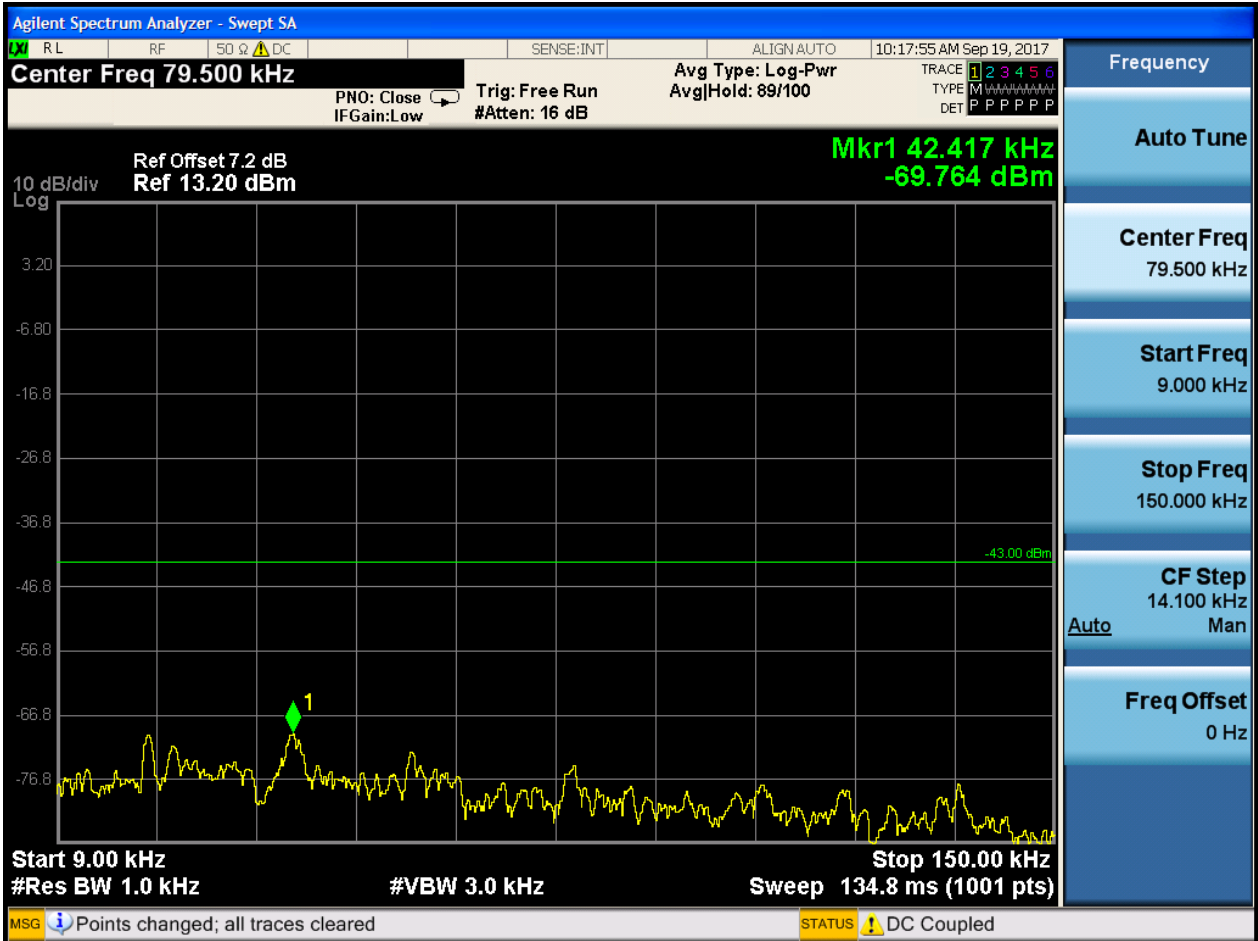


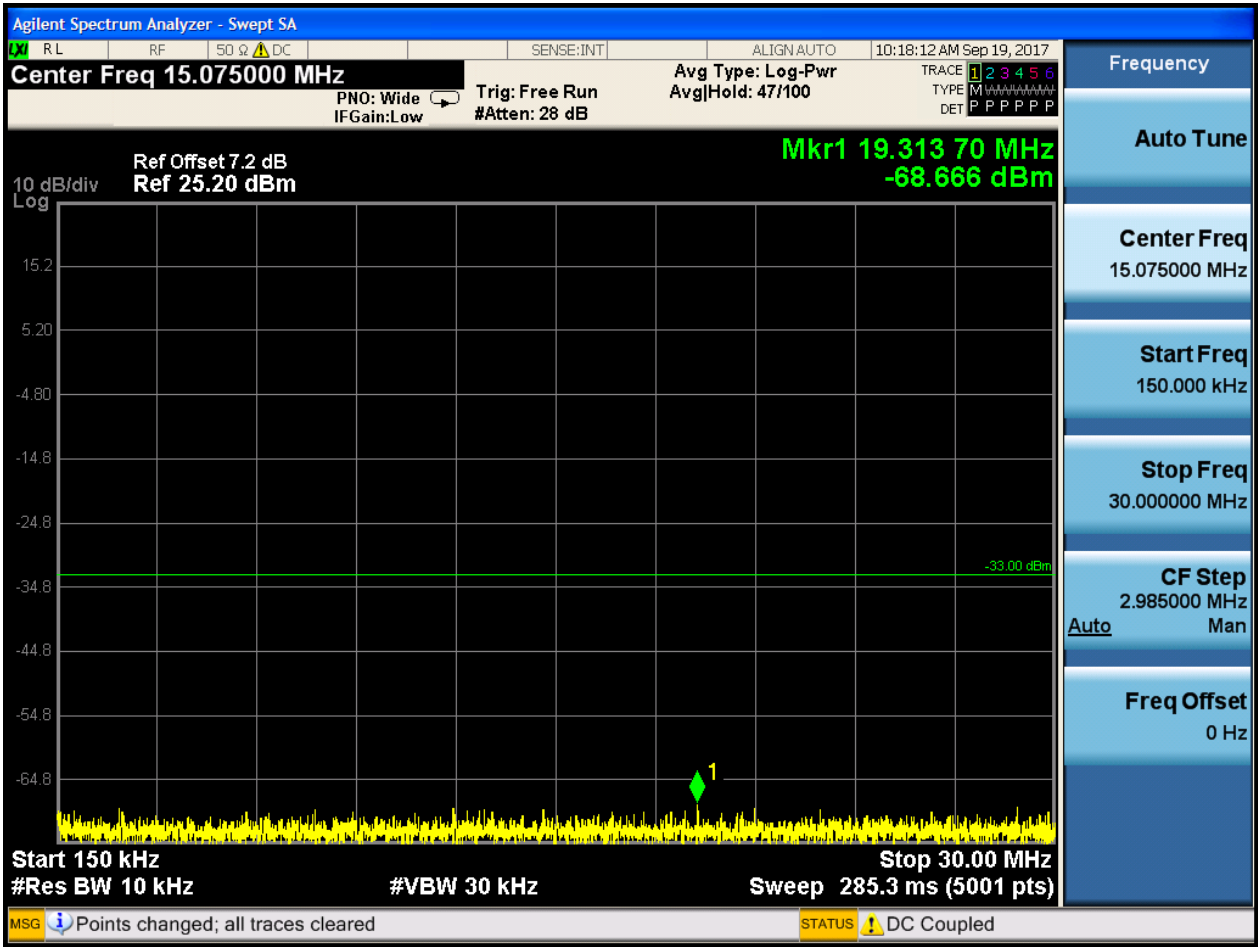


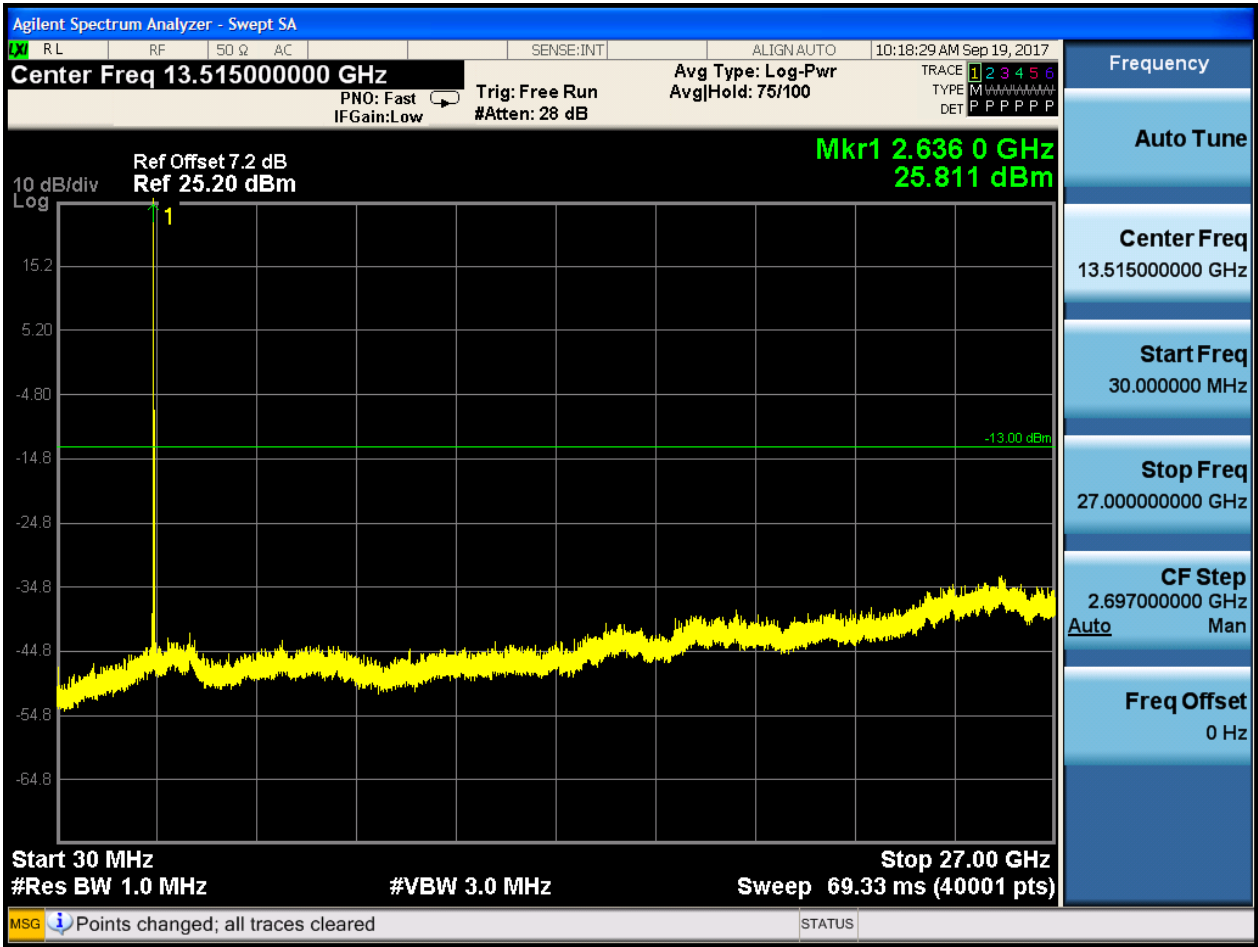


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

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

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

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

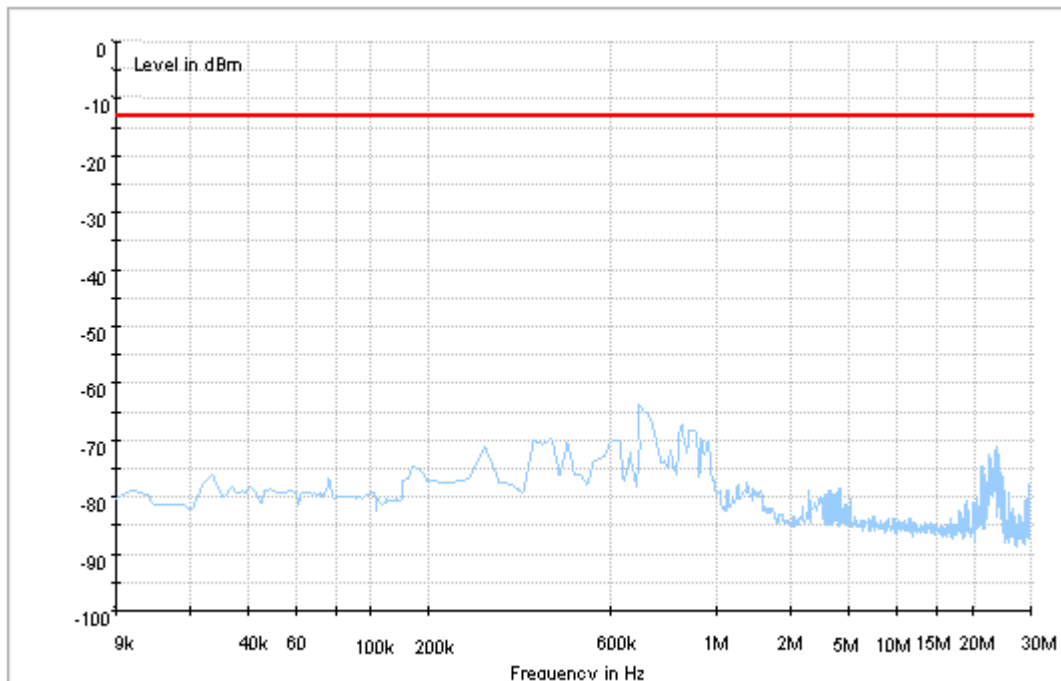
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

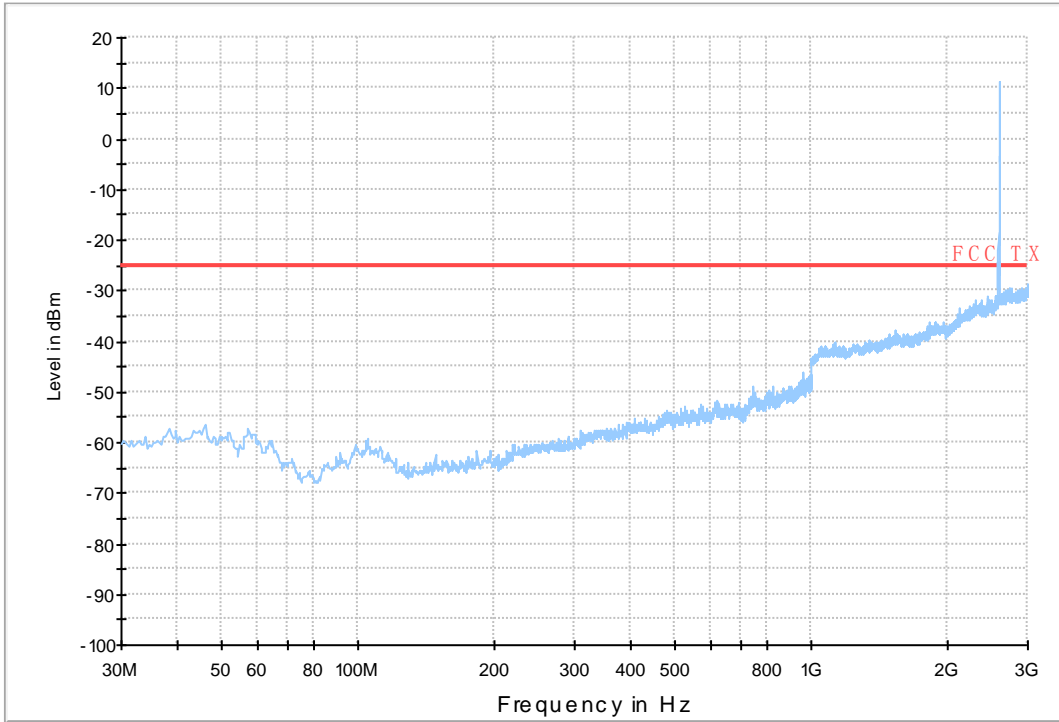
7.1 For LTE

7.1.1 Test Band = BAND41_Ant1

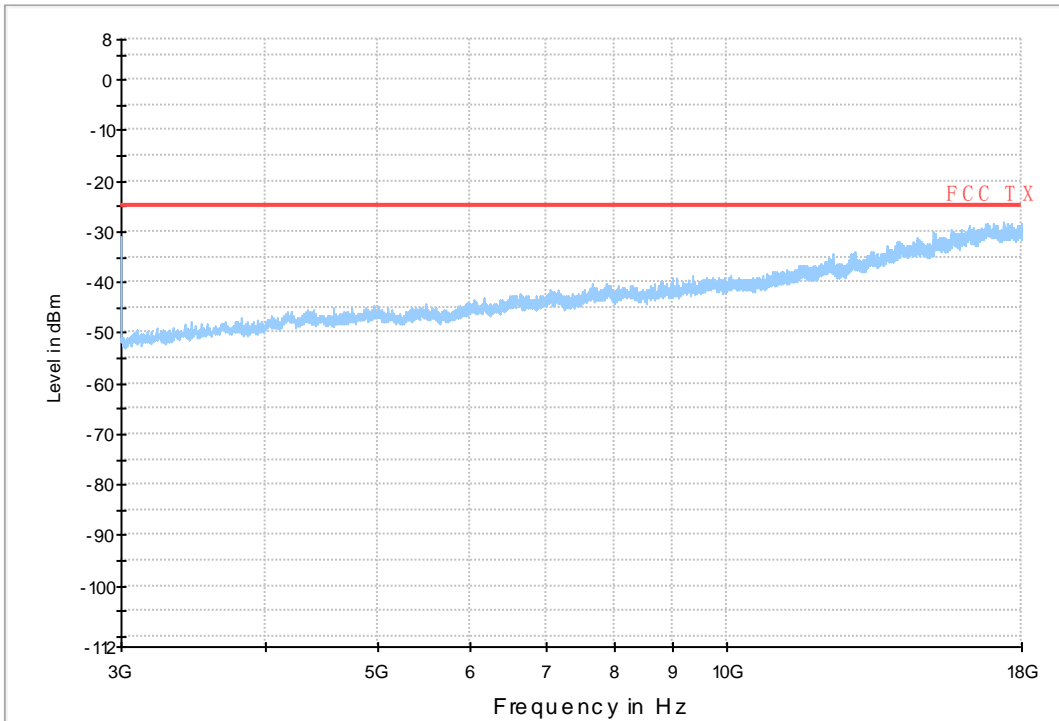
7.1.1.1 Test Bandwidth = 5

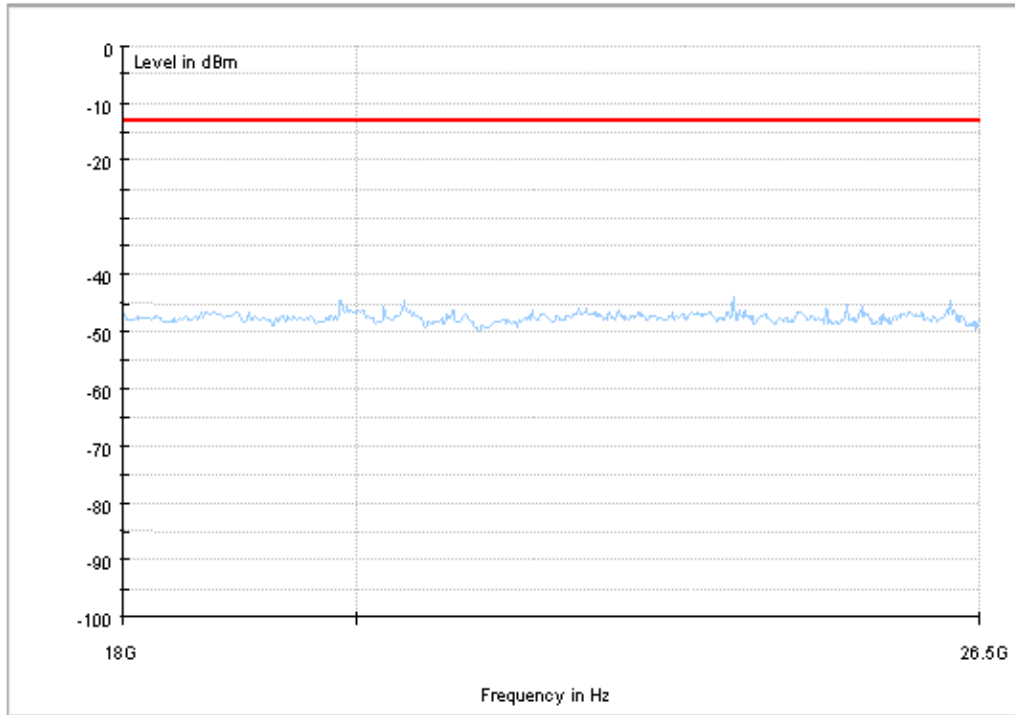


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

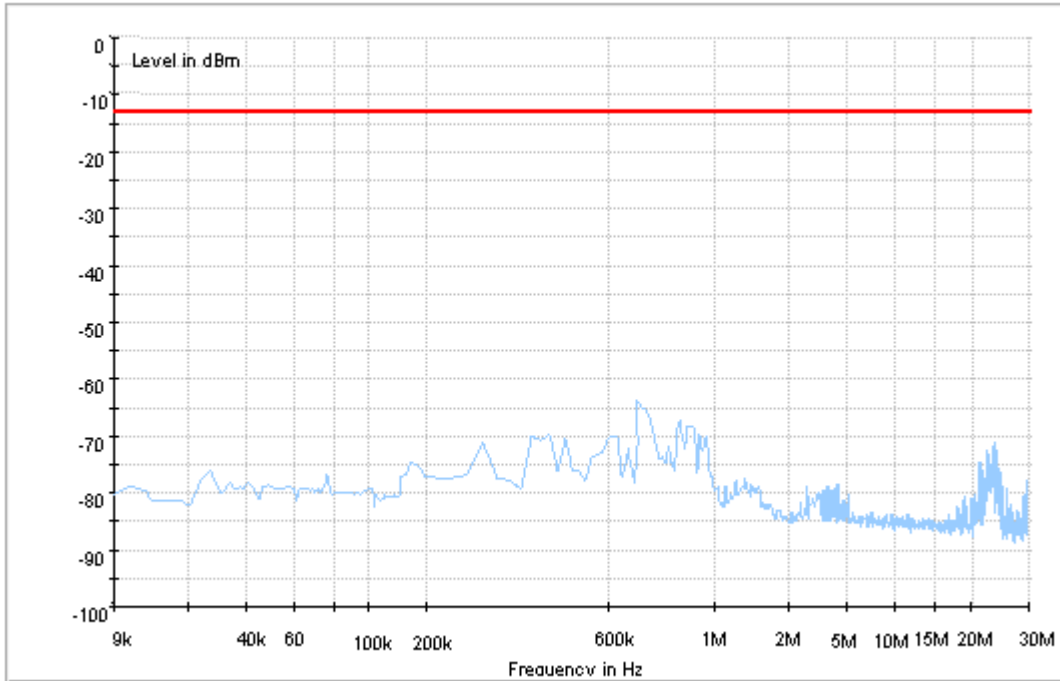


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

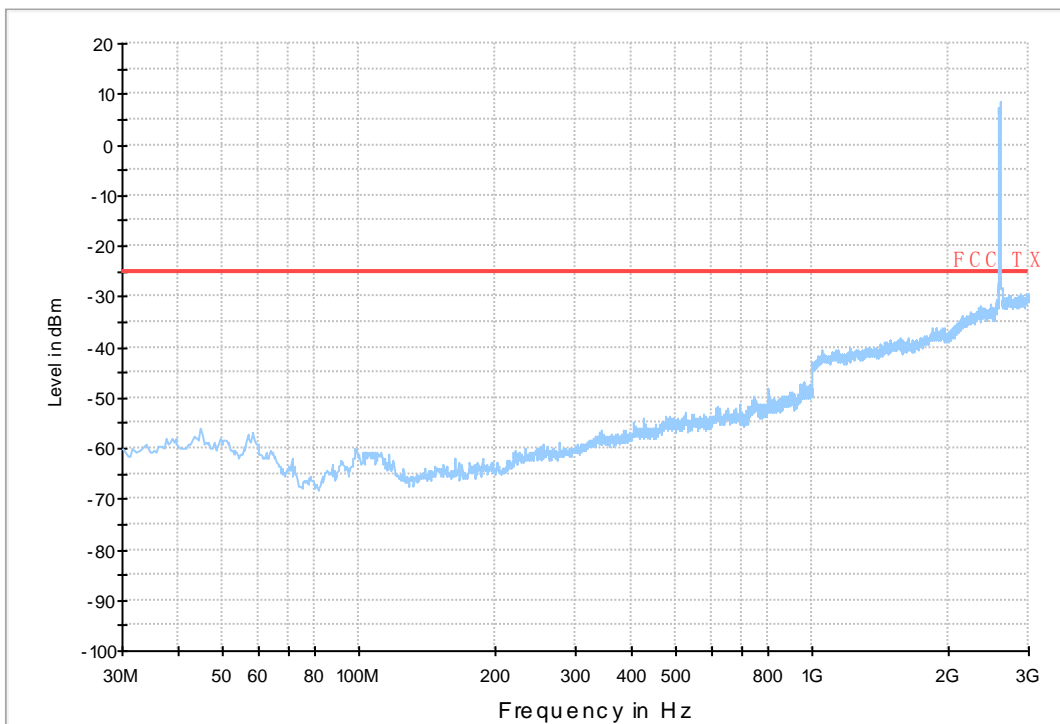




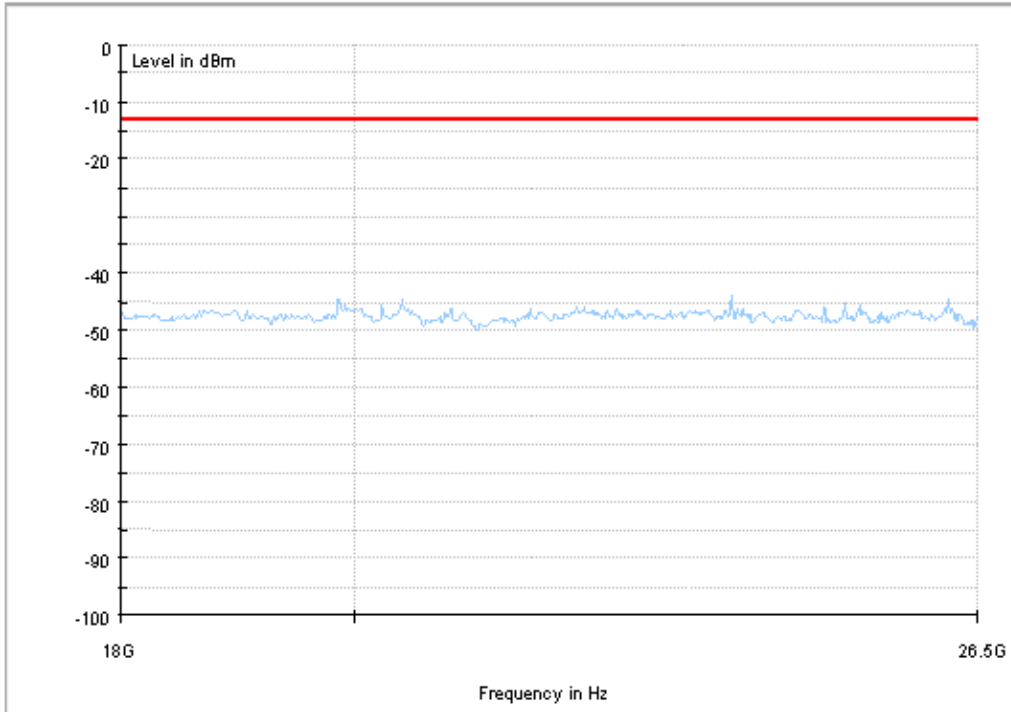
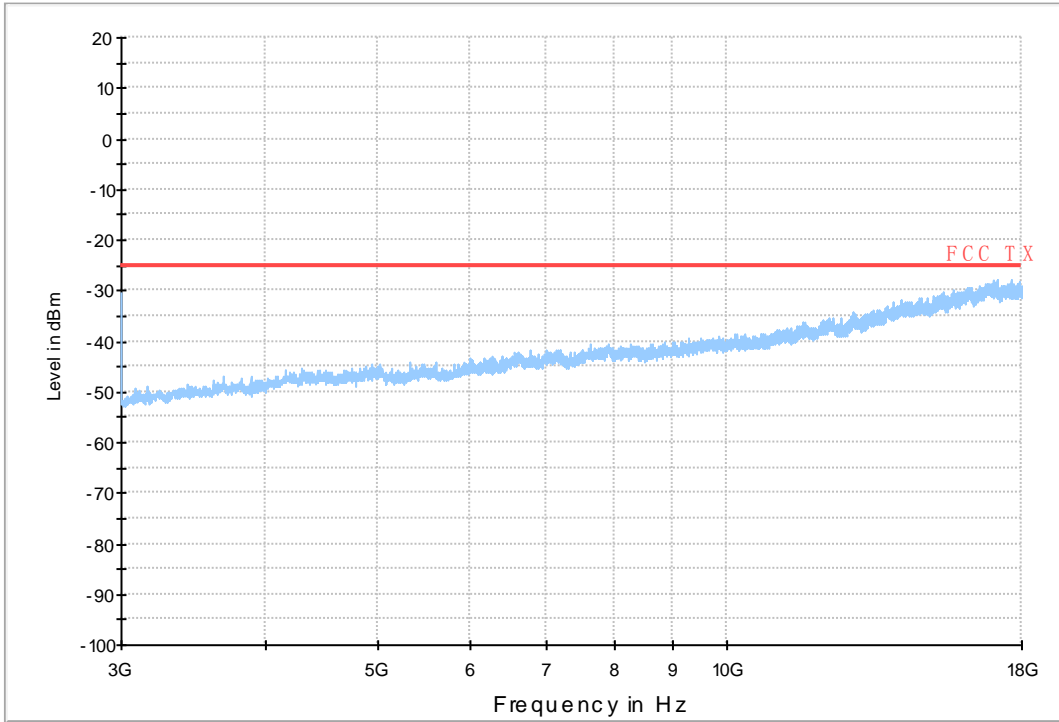
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

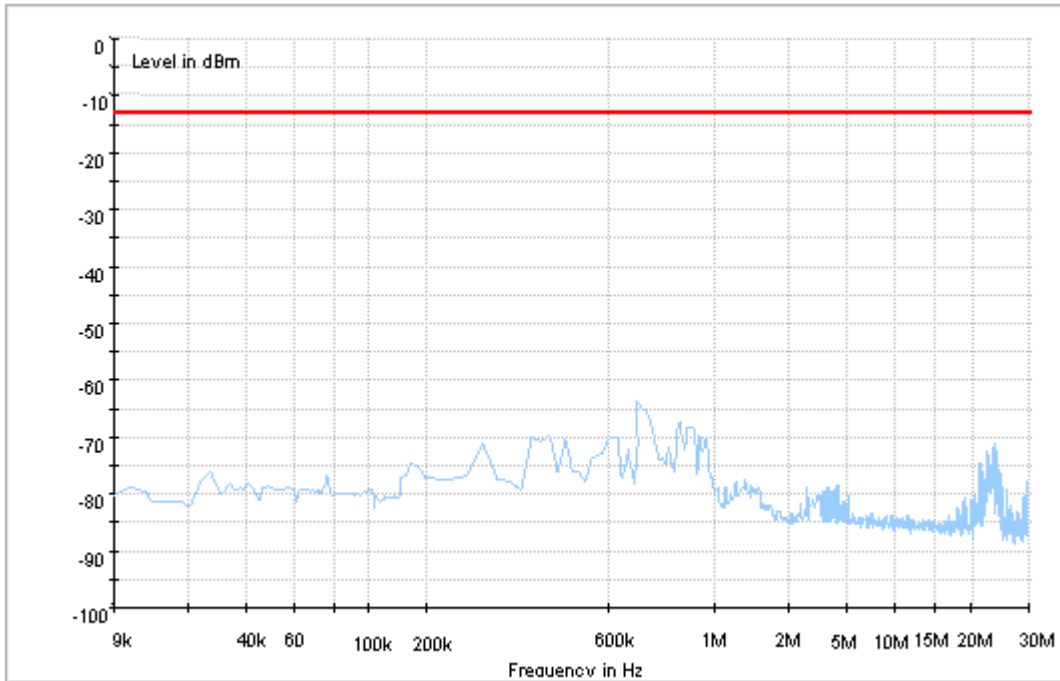


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

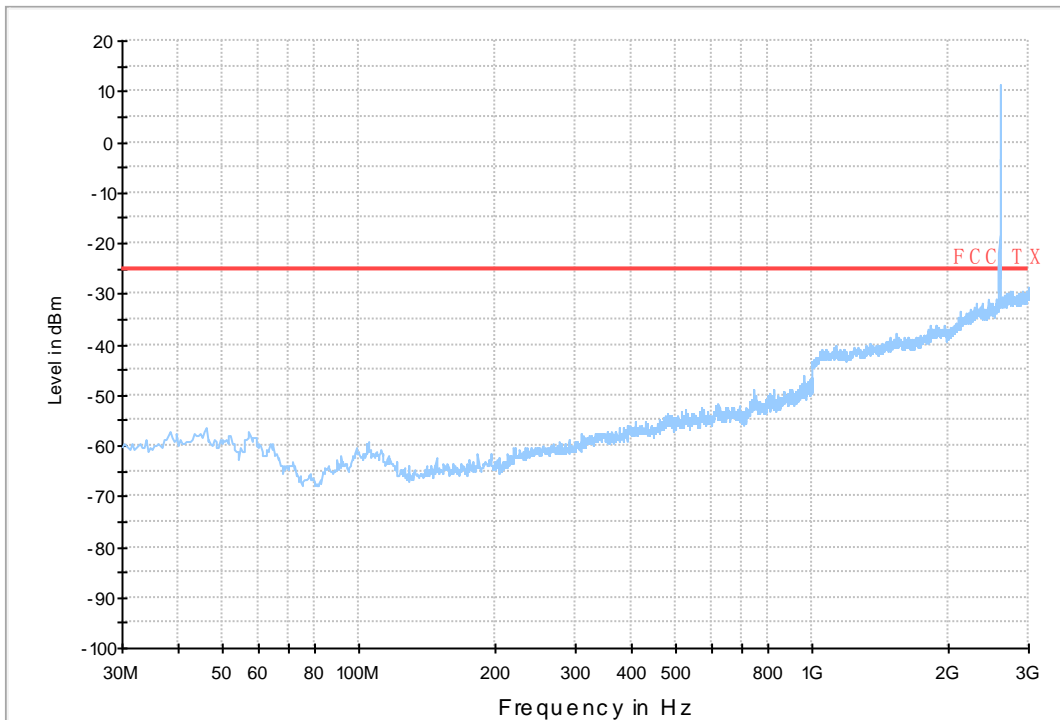


7.1.2 Test Band = BAND41_Ant2

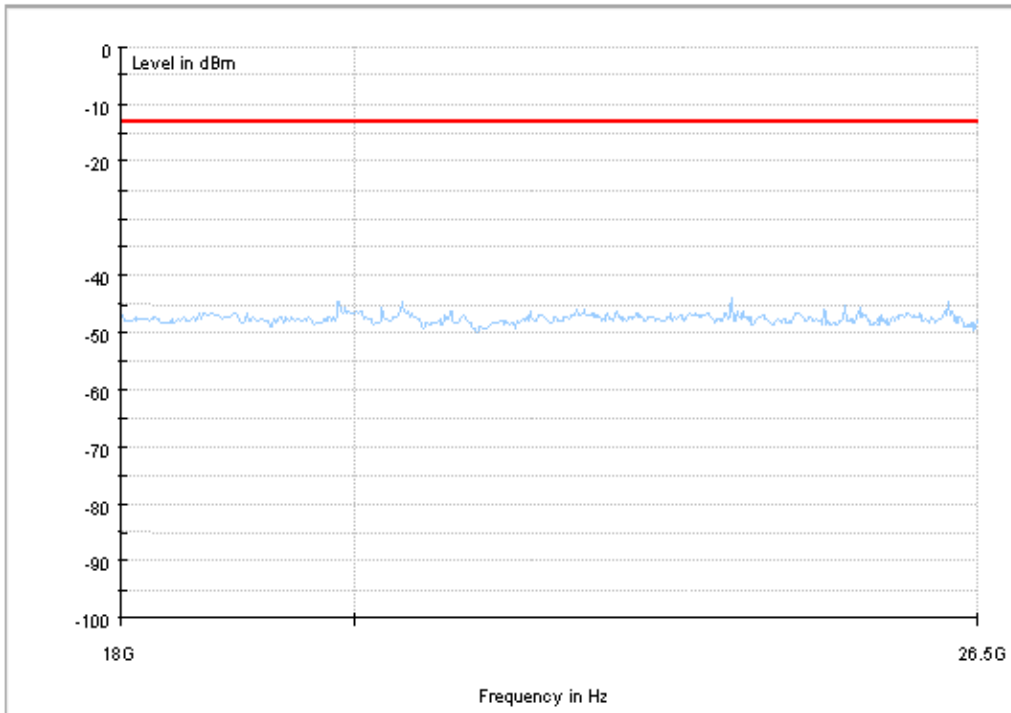
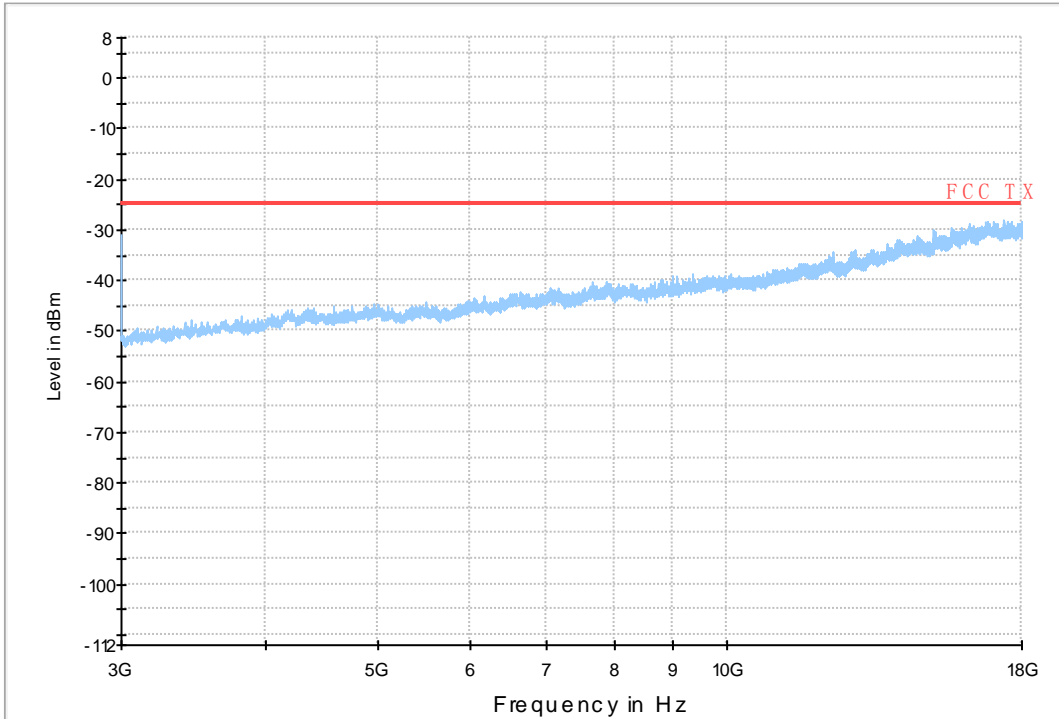
7.1.2.1 Test Bandwidth = 5



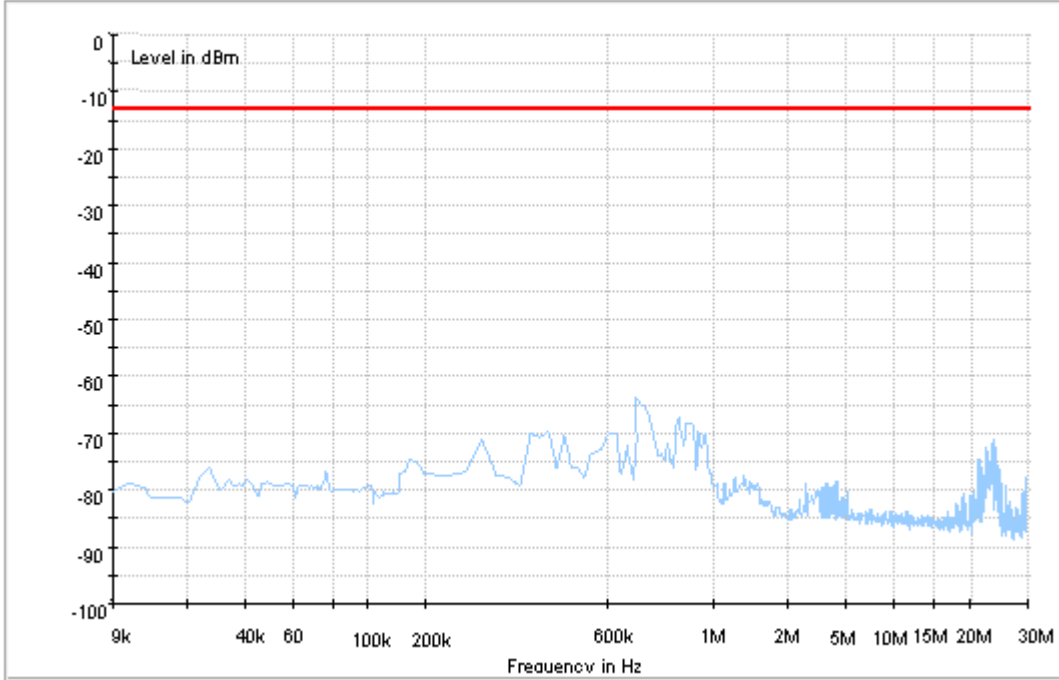
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



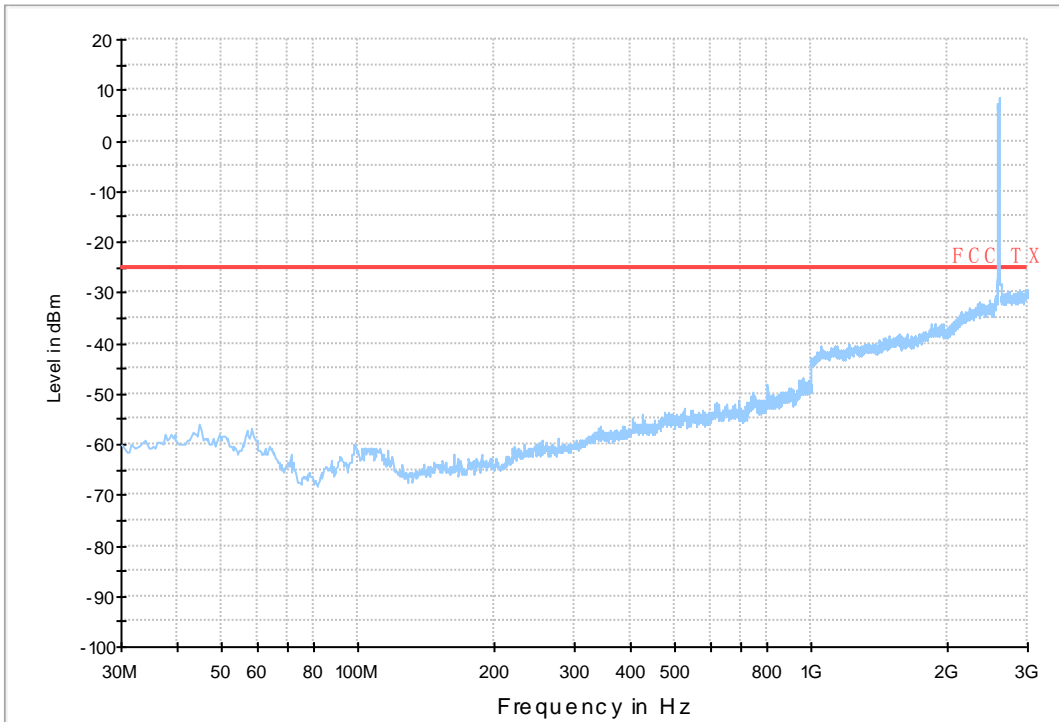
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



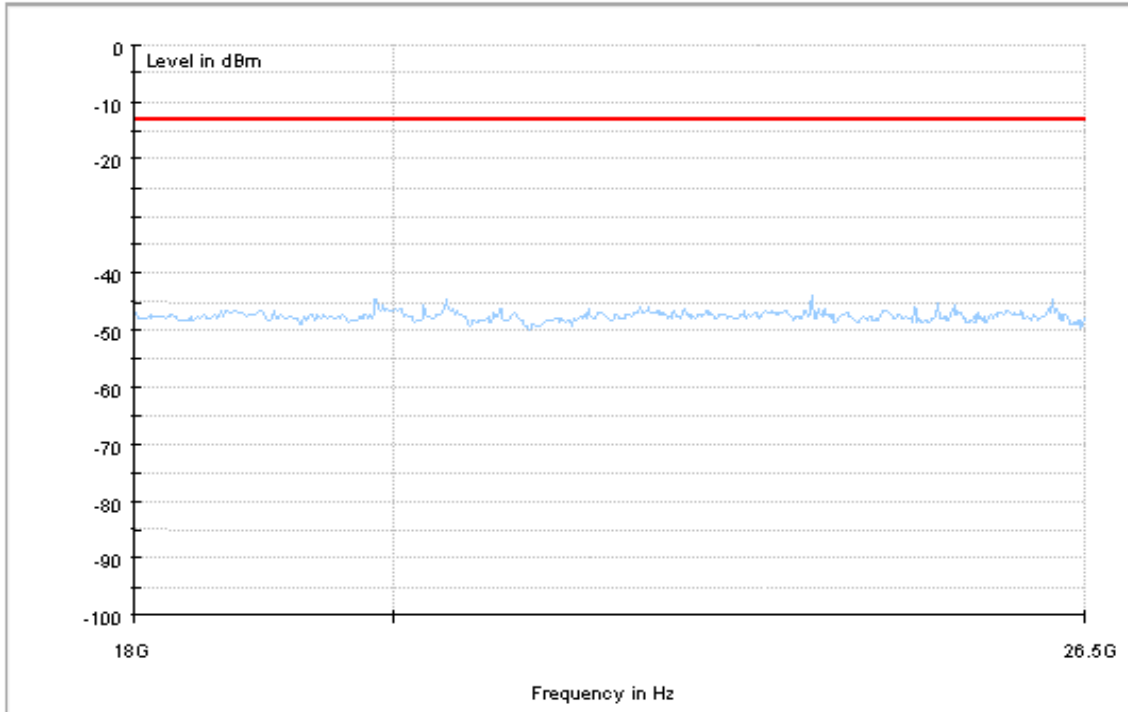
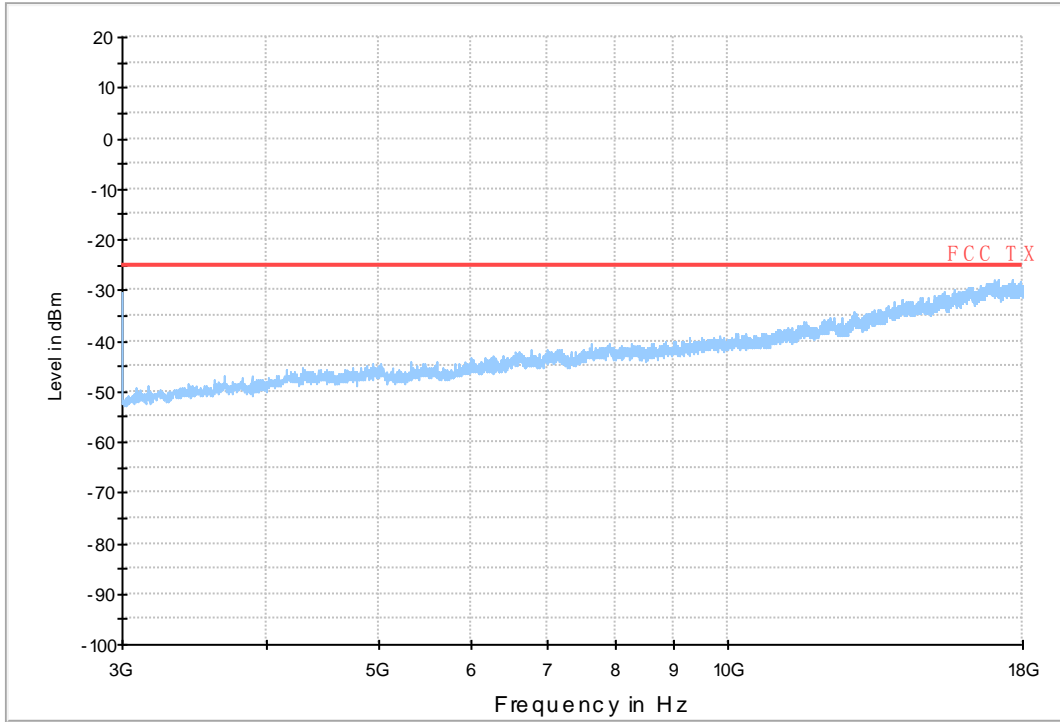
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_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]	Verdict
BAND41	LTE/TM1	5	LCH	TN	VL	-23.63	-0.00928	PASS
					VN	-23.6	-0.00926	PASS
					VH	-26.91	-0.01056	PASS
			MCH	TN	VL	-15.51	-0.00597	PASS
					VN	-60.37	-0.02322	PASS
					VH	-14.53	-0.00559	PASS
			HCH	TN	VL	-16.06	-0.00605	PASS
					VN	-14.56	-0.00549	PASS
					VH	-45.1	-0.017	PASS
		10	LCH	TN	VL	-27.01	-0.01059	PASS
					VN	-24.29	-0.00953	PASS
					VH	-24.45	-0.00959	PASS
			MCH	TN	VL	-22.32	-0.00858	PASS
					VN	-19.28	-0.00742	PASS
					VH	-19.57	-0.00753	PASS
			HCH	TN	VL	-17.35	-0.00655	PASS
					VN	-16.81	-0.00634	PASS
					VH	-16.59	-0.00626	PASS
		15	LCH	TN	VL	-22.79	-0.00893	PASS
					VN	-22.23	-0.00871	PASS
					VH	-25.08	-0.00983	PASS
			MCH	TN	VL	-20.57	-0.00791	PASS
					VN	-21.16	-0.00814	PASS
					VH	-20.01	-0.0077	PASS
			HCH	TN	VL	-10.69	-0.00404	PASS
					VN	-14.52	-0.00548	PASS
					VH	-10.93	-0.00413	PASS
		20	LCH	TN	VL	-24.48	-0.00958	PASS
					VN	-23.43	-0.00917	PASS
					VH	-23.25	-0.0091	PASS
			MCH	TN	VL	-17.34	-0.00667	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	-20.17	-0.00776	PASS	
					VH	-14.46	-0.00556	PASS	
					VL	-12.8	-0.00484	PASS	
					VN	-15.78	-0.00597	PASS	
					VH	-13.59	-0.00514	PASS	
					VL	-22.36	-0.00878	PASS	
		LTE/TM2	5	LCH	TN	VN	-24.42	-0.00959	PASS
						VH	-20.06	-0.00787	PASS
						VL	-18.1	-0.00696	PASS
				MCH	TN	VN	-18.2	-0.007	PASS
						VH	-21.36	-0.00822	PASS
						VL	-11.92	-0.00449	PASS
				HCH	TN	VN	-40.17	-0.01514	PASS
						VH	-19.48	-0.00734	PASS
						VL	-23.39	-0.00917	PASS
			10	LCH	TN	VN	-23.27	-0.00913	PASS
						VH	-25.32	-0.00993	PASS
						VL	-18.55	-0.00713	PASS
				MCH	TN	VN	-23.65	-0.0091	PASS
						VH	-22.96	-0.00883	PASS
						VL	-16.88	-0.00637	PASS
				HCH	TN	VN	-16.02	-0.00605	PASS
						VH	-15.08	-0.00569	PASS
						VL	-22.32	-0.00874	PASS
			15	LCH	TN	VN	-23.79	-0.00932	PASS
						VH	-28.44	-0.01114	PASS
						VL	-16.59	-0.00638	PASS
				MCH	TN	VN	-18.25	-0.00702	PASS
						VH	-18.24	-0.00702	PASS
						VL	-11.89	-0.00449	PASS
				HCH	TN	VN	-14.23	-0.00537	PASS
						VH	-13.7	-0.00517	PASS
						VL	-20.1	-0.00787	PASS
			20	LCH	TN	VN	-23.3	-0.00912	PASS
						VH	-21.7	-0.00849	PASS
						VL	-18	-0.00692	PASS
				MCH	TN	VN	-18.12	-0.00697	PASS
						VH	-16.31	-0.00627	PASS
						VL	-12.03	-0.00455	PASS
				HCH	TN	VL	-12.03	-0.00455	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-12.77	-0.00483	PASS
					VH	-12.63	-0.00478	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
BAND41	LTE/TM1	5	LCH	VN	-30	-26.62	-0.01045	PASS
					-20	-18.91	-0.00742	PASS
					-10	-21.23	-0.00833	PASS
					0	-20.74	-0.00814	PASS
					10	-23.8	-0.00934	PASS
					20	-24.99	-0.00981	PASS
					30	-21.47	-0.00843	PASS
					40	-27.07	-0.01063	PASS
			50	-22.95	-0.00901	PASS		
			MCH	VN	-30	-15.29	-0.00588	PASS
					-20	-17.72	-0.00682	PASS
					-10	-23.1	-0.00888	PASS
					0	-54.77	-0.02107	PASS
					10	-18.12	-0.00697	PASS
					20	-17.77	-0.00683	PASS
					30	-17.97	-0.00691	PASS
					40	-16.21	-0.00623	PASS
			50	-61.11	-0.0235	PASS		
			HCH	VN	-30	-52	-0.0196	PASS
					-20	-18.68	-0.00704	PASS
					-10	-16.09	-0.00607	PASS
					0	-40.61	-0.01531	PASS
					10	-18.42	-0.00694	PASS
					20	-39.18	-0.01477	PASS
		30			-32.14	-0.01212	PASS	
		40			-17.77	-0.0067	PASS	
		50	-50.41	-0.019	PASS			
		10	LCH	VN	-30	-44.92	-0.01762	PASS
					-20	-23.16	-0.00908	PASS
					-10	-43.54	-0.01707	PASS
					0	-40.77	-0.01599	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-23.25	-0.00912	PASS
					20	-47.42	-0.0186	PASS
					30	-40.87	-0.01603	PASS
					40	-52.6	-0.02063	PASS
					50	-24.46	-0.00959	PASS
			MCH	VN	-30	-40.23	-0.01547	PASS
					-20	-21.34	-0.00821	PASS
					-10	-34.96	-0.01345	PASS
					0	-45.39	-0.01746	PASS
					10	-45.09	-0.01734	PASS
					20	-33.5	-0.01288	PASS
					30	-53.33	-0.02051	PASS
					40	-31.66	-0.01218	PASS
			HCH	VN	-30	-14.88	-0.00562	PASS
					-20	-11.07	-0.00418	PASS
					-10	-16.69	-0.0063	PASS
					0	-14.18	-0.00535	PASS
					10	-13.6	-0.00513	PASS
					20	-14.29	-0.00539	PASS
					30	-10.16	-0.00383	PASS
		40			-11.54	-0.00435	PASS	
		15	LCH	VN	-30	-28.67	-0.01123	PASS
					-20	-24.99	-0.00979	PASS
					-10	-20.63	-0.00808	PASS
					0	-22.77	-0.00892	PASS
					10	-41.3	-0.01618	PASS
					20	-22.2	-0.0087	PASS
					30	-20.37	-0.00798	PASS
					40	-23.6	-0.00925	PASS
					50	-23.07	-0.00904	PASS
					MCH	VN	-30	-18.91
		-20	-18.71	-0.0072			PASS	
		-10	-19.14	-0.00736			PASS	
		0	-27.24	-0.01048			PASS	
		10	-16.09	-0.00619			PASS	
		20	-19.53	-0.00751			PASS	
		30	-33.2	-0.01277			PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-33.53	-0.0129	PASS
					50	-20.38	-0.00784	PASS
			HCH	VN	-30	-13.73	-0.00519	PASS
					-20	-14	-0.00529	PASS
					-10	-11.57	-0.00437	PASS
					0	-10.66	-0.00403	PASS
					10	-13.58	-0.00513	PASS
					20	-13.43	-0.00507	PASS
					30	-10.34	-0.00391	PASS
					40	-14.79	-0.00559	PASS
					50	-11.93	-0.00451	PASS
					20	LCH	VN	-30
		-20	-21.54	-0.00843				PASS
		-10	-25.32	-0.00991				PASS
		0	-22.7	-0.00888				PASS
		10	-22.19	-0.00868				PASS
		20	-22.52	-0.00881				PASS
		30	-24.81	-0.00971				PASS
		40	-22.6	-0.00885				PASS
		50	-19.17	-0.0075				PASS
		MCH	VN	-30		-20.2	-0.00777	PASS
				-20		-18.83	-0.00724	PASS
				-10		-16.95	-0.00652	PASS
				0		-18.74	-0.00721	PASS
				10		-20.28	-0.0078	PASS
				20		-15.69	-0.00603	PASS
				30		-20.13	-0.00774	PASS
				40		-20.64	-0.00794	PASS
				50		-17.7	-0.00681	PASS
		HCH	VN	-30	-13.22	-0.005	PASS	
				-20	-12.83	-0.00485	PASS	
				-10	-15.06	-0.00569	PASS	
				0	-11.69	-0.00442	PASS	
10	-15.21			-0.00575	PASS			
20	-13.42			-0.00507	PASS			
30	-15.68			-0.00593	PASS			
40	-14.38			-0.00544	PASS			
50	-12.6	-0.00476	PASS					
LTE/TM2	5	LCH	VN	-30	-21.4	-0.0084	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-24.36	-0.00956	PASS	
					-10	-24.98	-0.00981	PASS	
					0	-26.74	-0.0105	PASS	
					10	-24.68	-0.00969	PASS	
					20	-25.98	-0.0102	PASS	
					30	-25.85	-0.01015	PASS	
					40	-20.6	-0.00809	PASS	
					50	-25.88	-0.01016	PASS	
			MCH	VN	-30	-20.14	-0.00775	PASS	
					-20	-19.57	-0.00753	PASS	
					-10	-18.08	-0.00695	PASS	
					0	-19.23	-0.0074	PASS	
					10	-20.13	-0.00774	PASS	
					20	-59.29	-0.0228	PASS	
					30	-20.4	-0.00785	PASS	
					40	-22.56	-0.00868	PASS	
			HCH	VN	-30	-42.83	-0.01615	PASS	
					-20	-15.09	-0.00569	PASS	
					-10	-16.54	-0.00624	PASS	
					0	-11.84	-0.00446	PASS	
					10	-16.79	-0.00633	PASS	
					20	-44.95	-0.01695	PASS	
					30	-22.22	-0.00838	PASS	
					40	-41.06	-0.01548	PASS	
			10	LCH	VN	-30	-58.61	-0.02298	PASS
						-20	-40.44	-0.01586	PASS
						-10	-55.49	-0.02176	PASS
						0	-36.11	-0.01416	PASS
		10				-25.38	-0.00995	PASS	
		20				-51.7	-0.02027	PASS	
		30				-35.23	-0.01382	PASS	
		40				-33.72	-0.01322	PASS	
		50		-43.14	-0.01692	PASS			
		MCH		VN	-30	-46.32	-0.01782	PASS	
					-20	-42.23	-0.01624	PASS	
					-10	-44.55	-0.01713	PASS	
			0		-58.05	-0.02233	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-39.57	-0.01522	PASS		
					20	-39.65	-0.01525	PASS		
					30	-60.93	-0.02343	PASS		
					40	-25.69	-0.00988	PASS		
					50	-36.85	-0.01417	PASS		
			HCH	VN	-30	-18.57	-0.00701	PASS		
					-20	-13.76	-0.00519	PASS		
					-10	-16.39	-0.00618	PASS		
					0	-17.4	-0.00657	PASS		
					10	-11.76	-0.00444	PASS		
					20	-12.26	-0.00463	PASS		
					30	-20.2	-0.00762	PASS		
					40	-18.37	-0.00693	PASS		
					50	-16.16	-0.0061	PASS		
					LCH	VN	-30	-21.53	-0.00843	PASS
							-20	-23.75	-0.0093	PASS
							-10	-21.14	-0.00828	PASS
							0	-22.69	-0.00889	PASS
		10	-21.11	-0.00827			PASS			
		20	-23.49	-0.0092			PASS			
		30	-27.78	-0.01088			PASS			
		40	-21.83	-0.00855			PASS			
		MCH	VN	50	-20.59	-0.00807	PASS			
				-30	-26.38	-0.01015	PASS			
				-20	-18.87	-0.00726	PASS			
				-10	-19.05	-0.00733	PASS			
				0	-19.13	-0.00736	PASS			
				10	-17.74	-0.00682	PASS			
				20	-17.27	-0.00664	PASS			
				30	-17.58	-0.00676	PASS			
		HCH	VN	40	-18.47	-0.0071	PASS			
				50	-23.46	-0.00902	PASS			
				-30	-11.06	-0.00418	PASS			
				-20	-11.29	-0.00426	PASS			
				-10	-14.29	-0.0054	PASS			
				0	-13.1	-0.00495	PASS			
10	-16.01			-0.00605	PASS					
20	-14.22	-0.00537	PASS							
30	-13.92	-0.00526	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-14.02	-0.0053	PASS
					50	-13.49	-0.0051	PASS
		20	LCH	VN	-30	-23.15	-0.00906	PASS
					-20	-21.17	-0.00829	PASS
					-10	-20.54	-0.00804	PASS
					0	-21.4	-0.00838	PASS
					10	-20.48	-0.00802	PASS
					20	-23.59	-0.00923	PASS
					30	-21.84	-0.00855	PASS
					40	-21.17	-0.00829	PASS
					50	-23.03	-0.00901	PASS
					MCH	VN	-30	-18.54
			-20	-18.98			-0.0073	PASS
			-10	-17.24			-0.00663	PASS
			0	-17.51			-0.00673	PASS
			10	-17.9			-0.00688	PASS
			20	-16.05			-0.00617	PASS
			30	-19.41			-0.00747	PASS
			40	-17.37			-0.00668	PASS
			HCH	VN	-30	-14.78	-0.00559	PASS
		-20			-12.76	-0.00482	PASS	
		-10			-12.93	-0.00489	PASS	
		0			-12.75	-0.00482	PASS	
		10			-14.15	-0.00535	PASS	
		20			-13.18	-0.00498	PASS	
		30			-16.26	-0.00615	PASS	
		40			-14.81	-0.0056	PASS	
		50	-12.95	-0.0049	PASS			

END