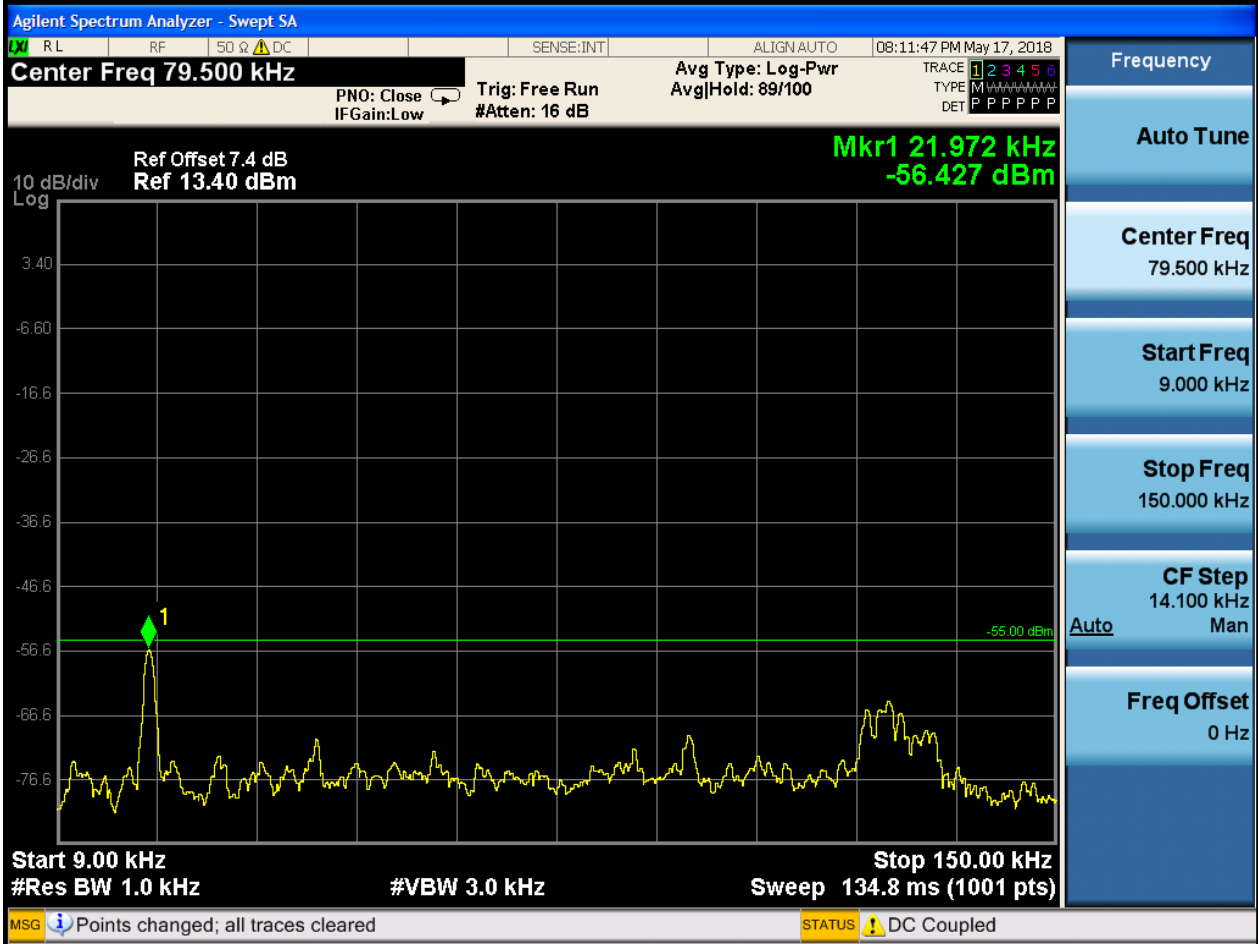
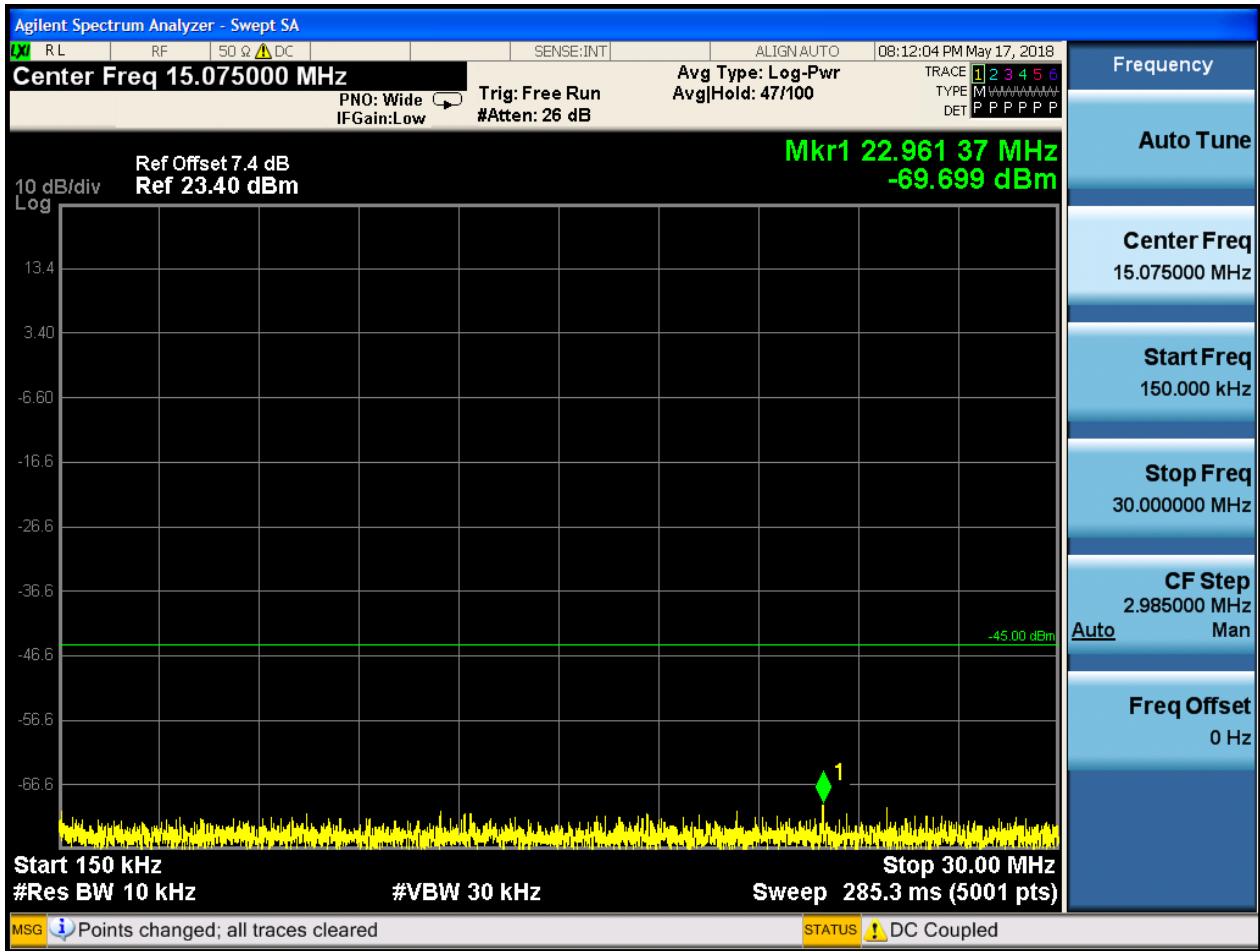


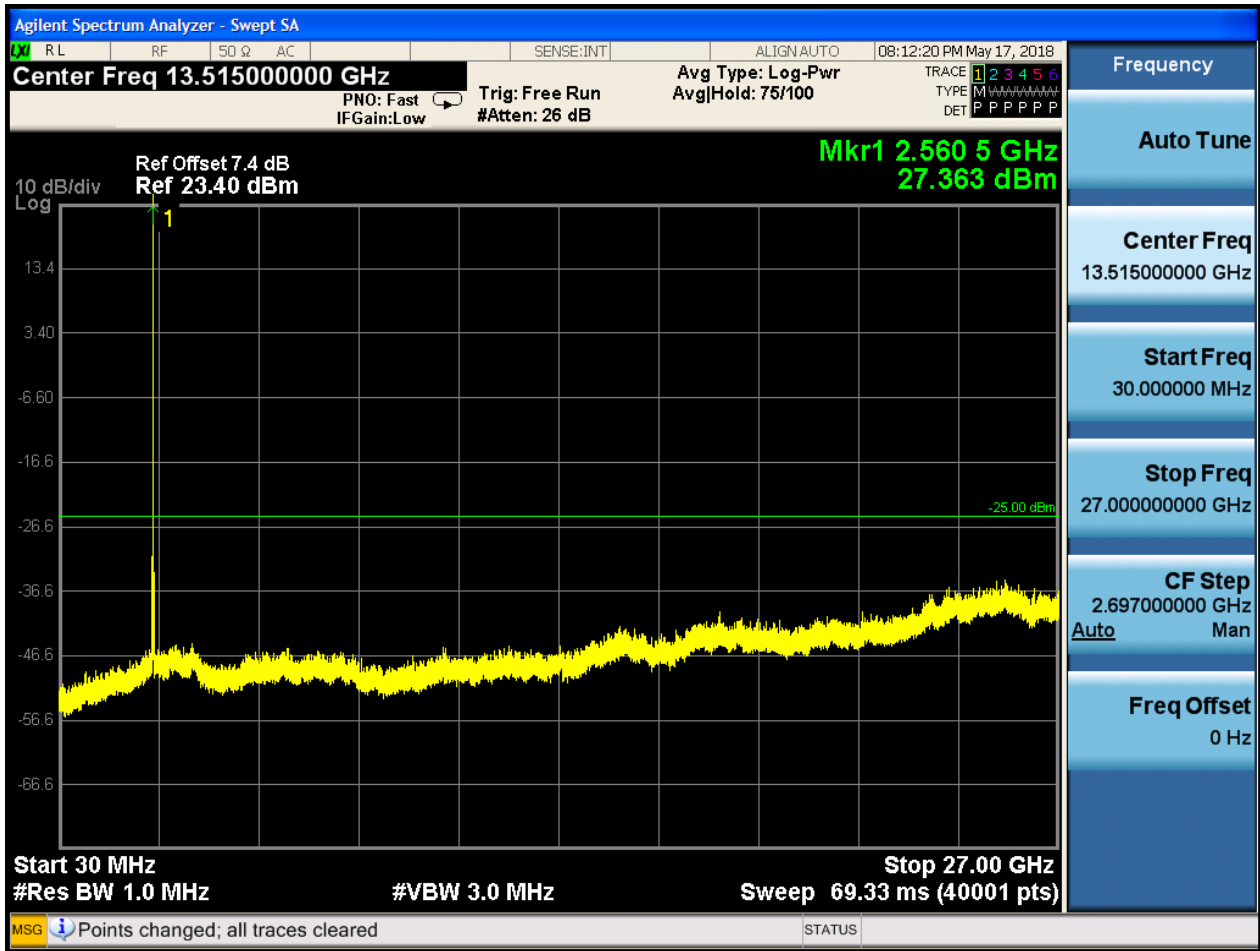


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







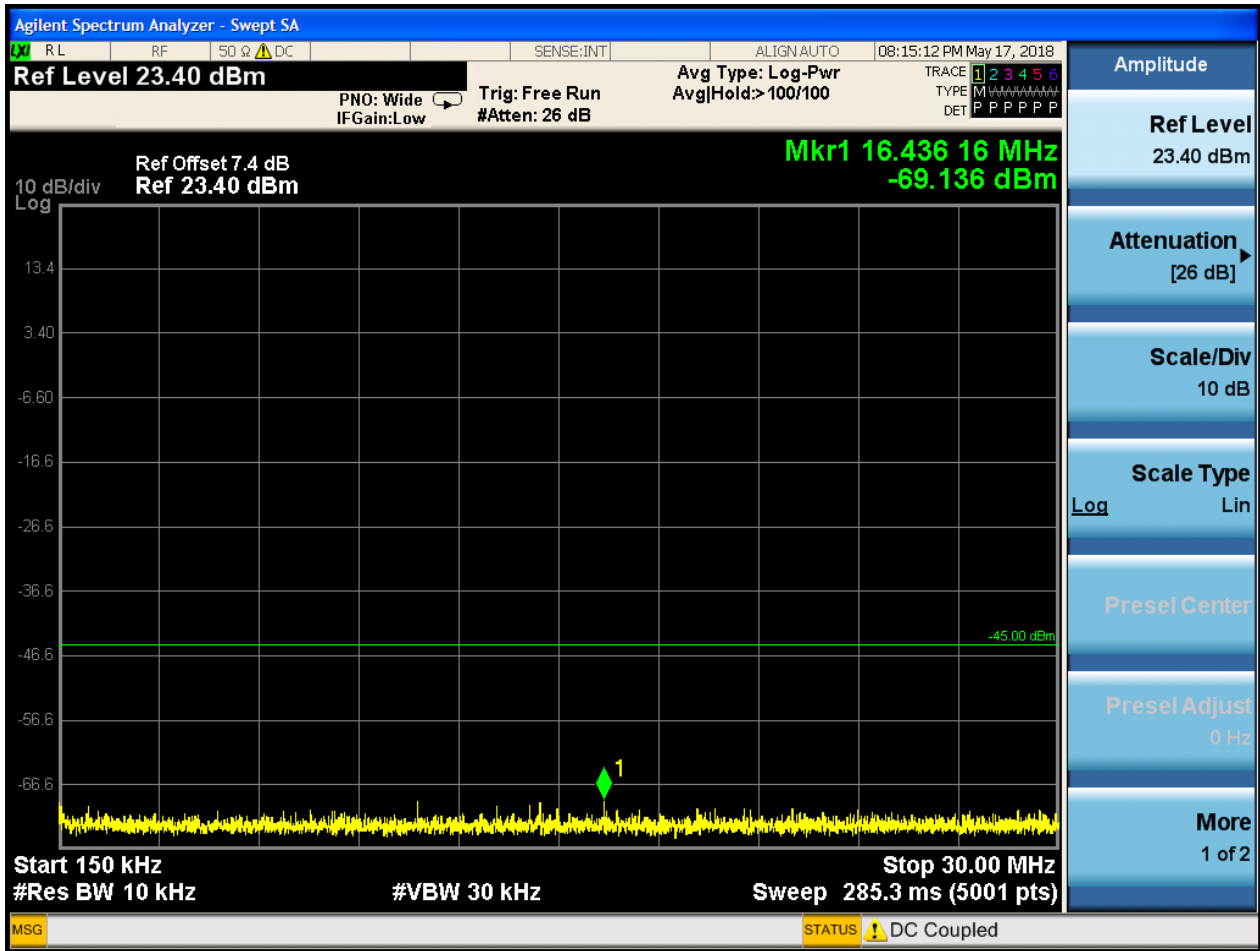


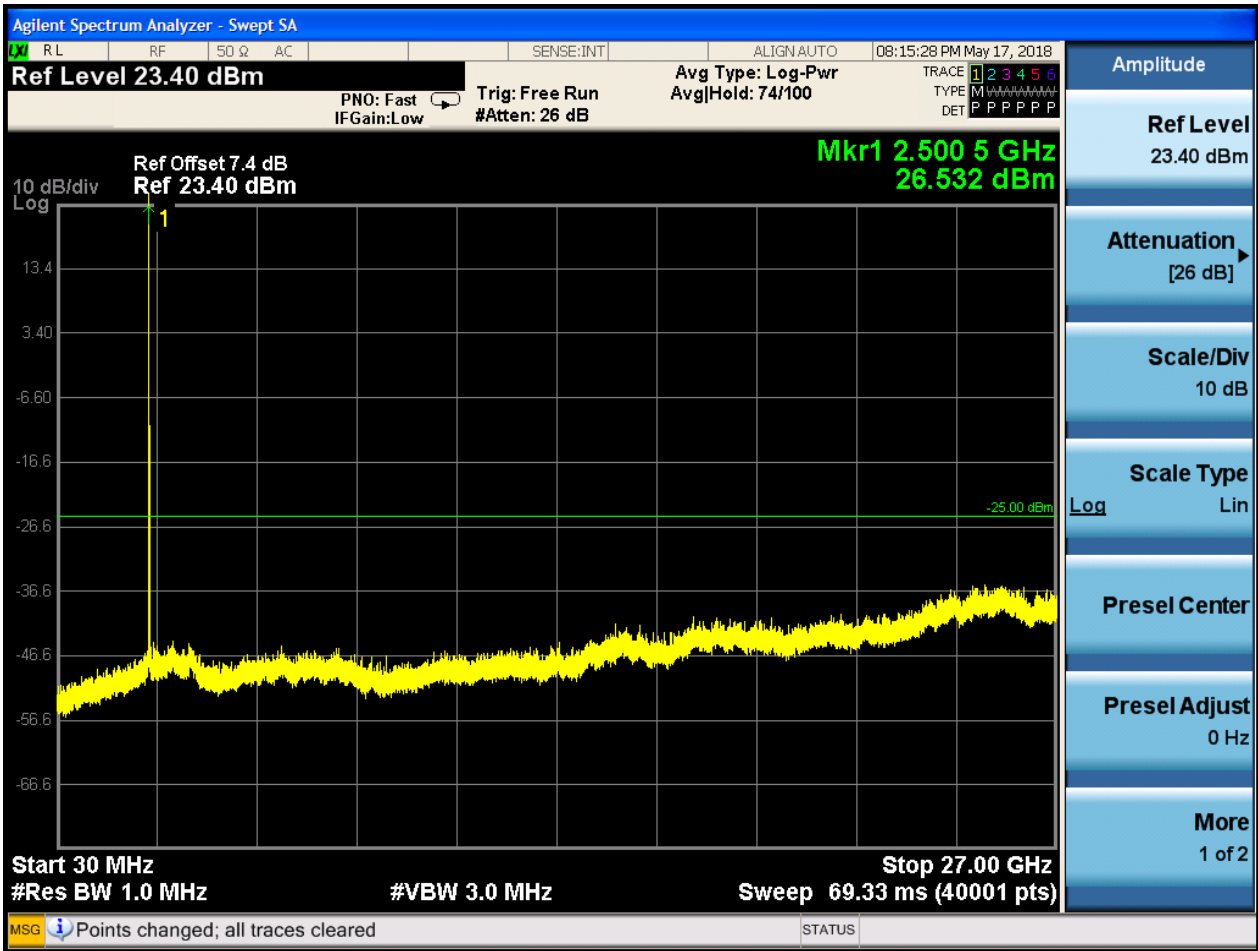
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



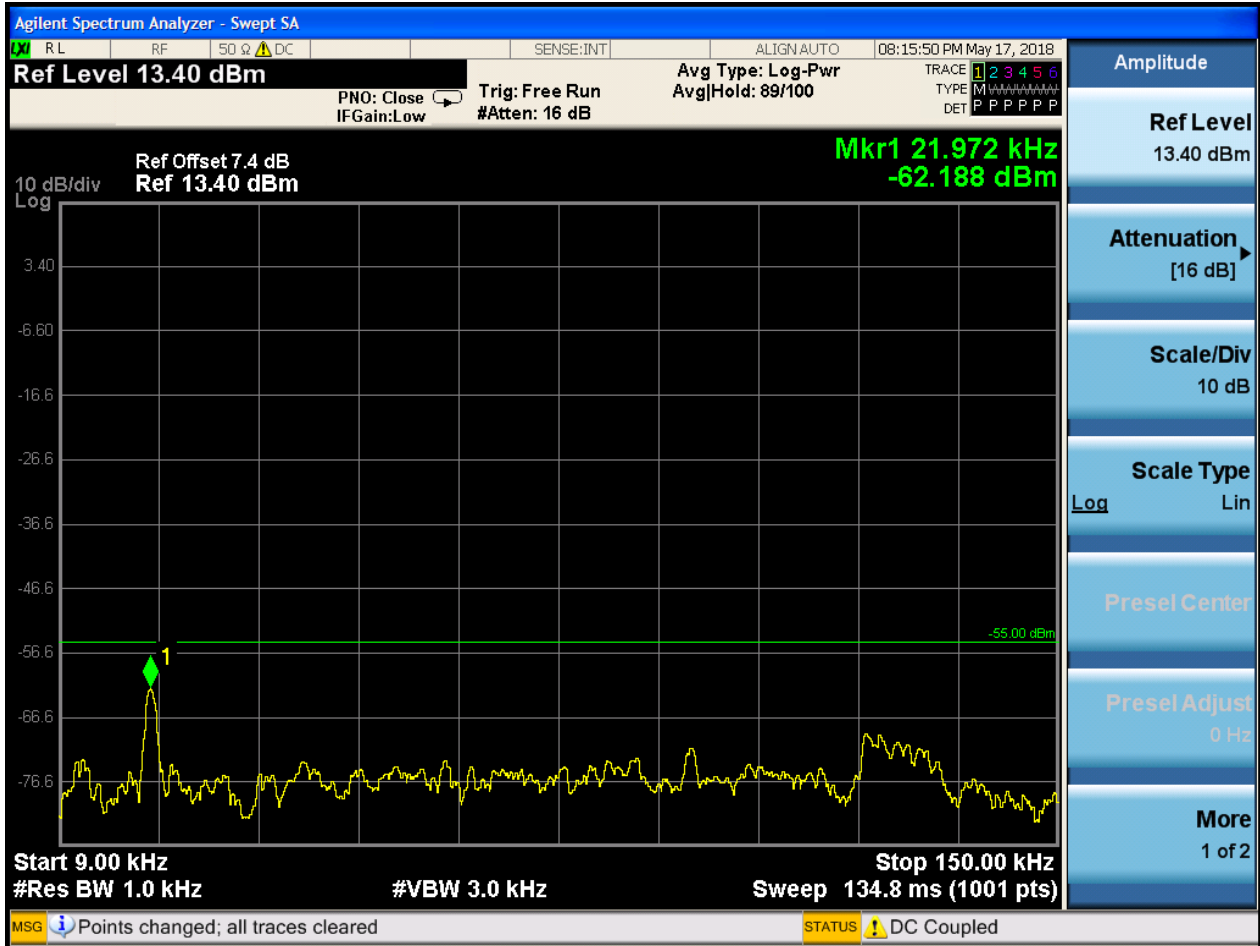


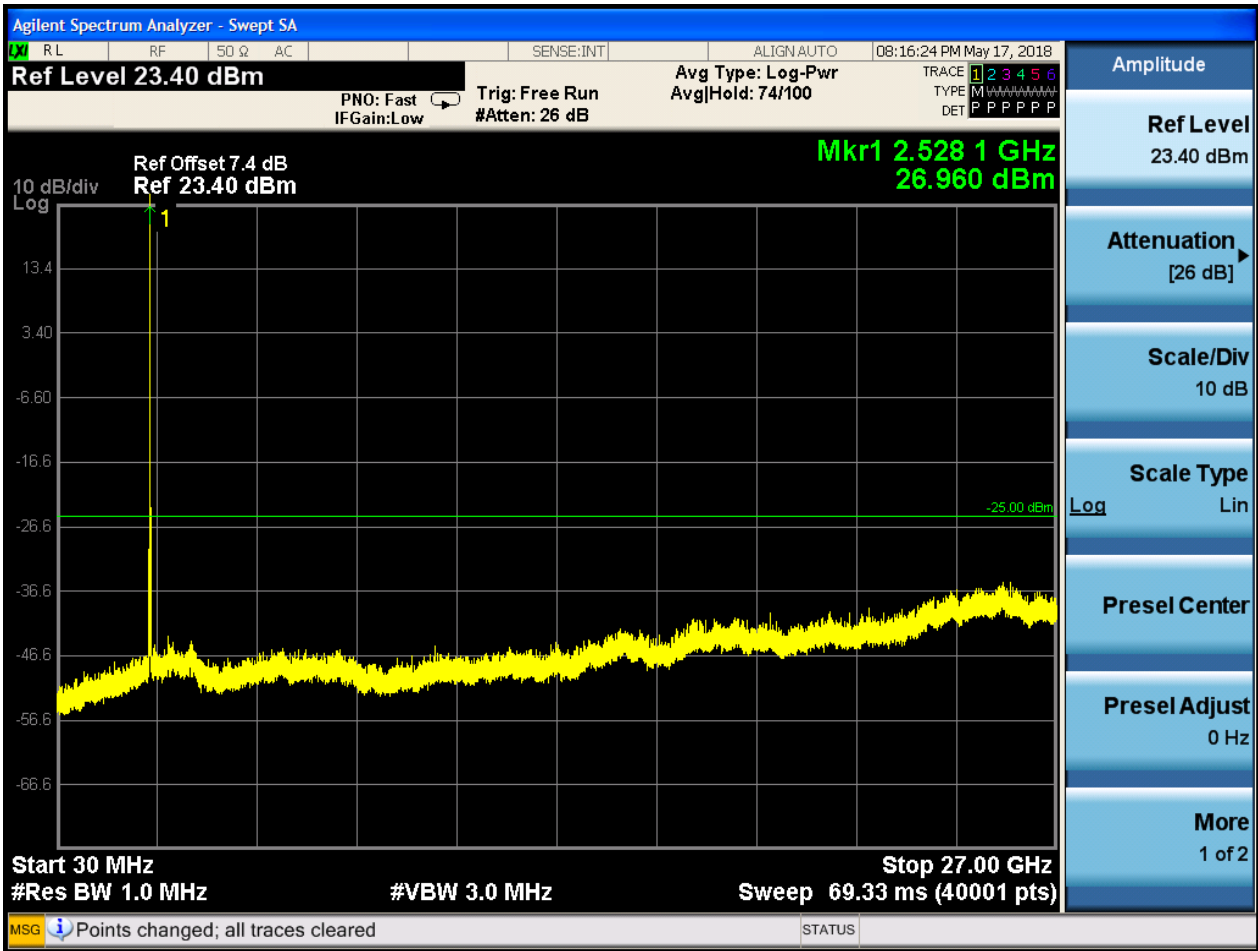




6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

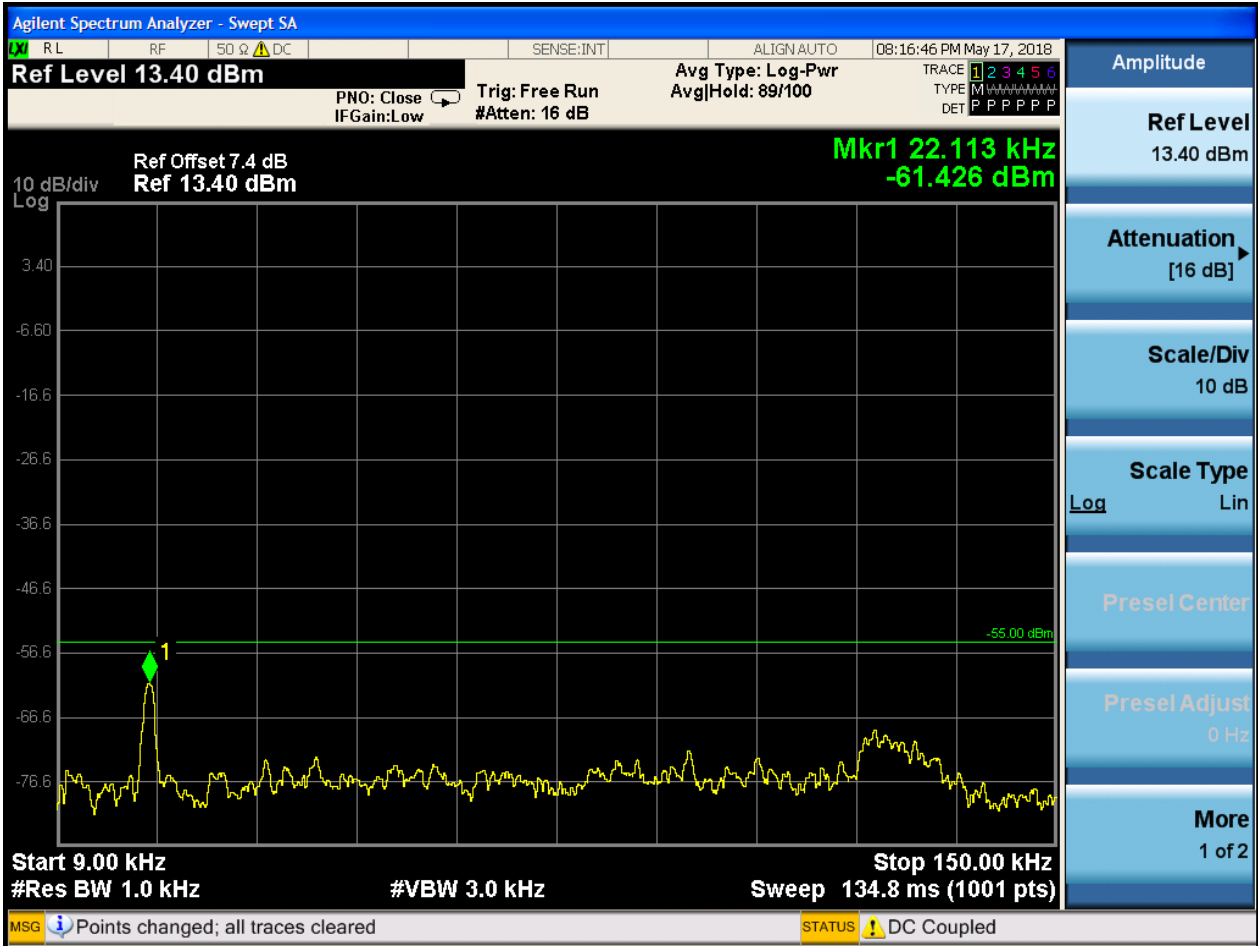


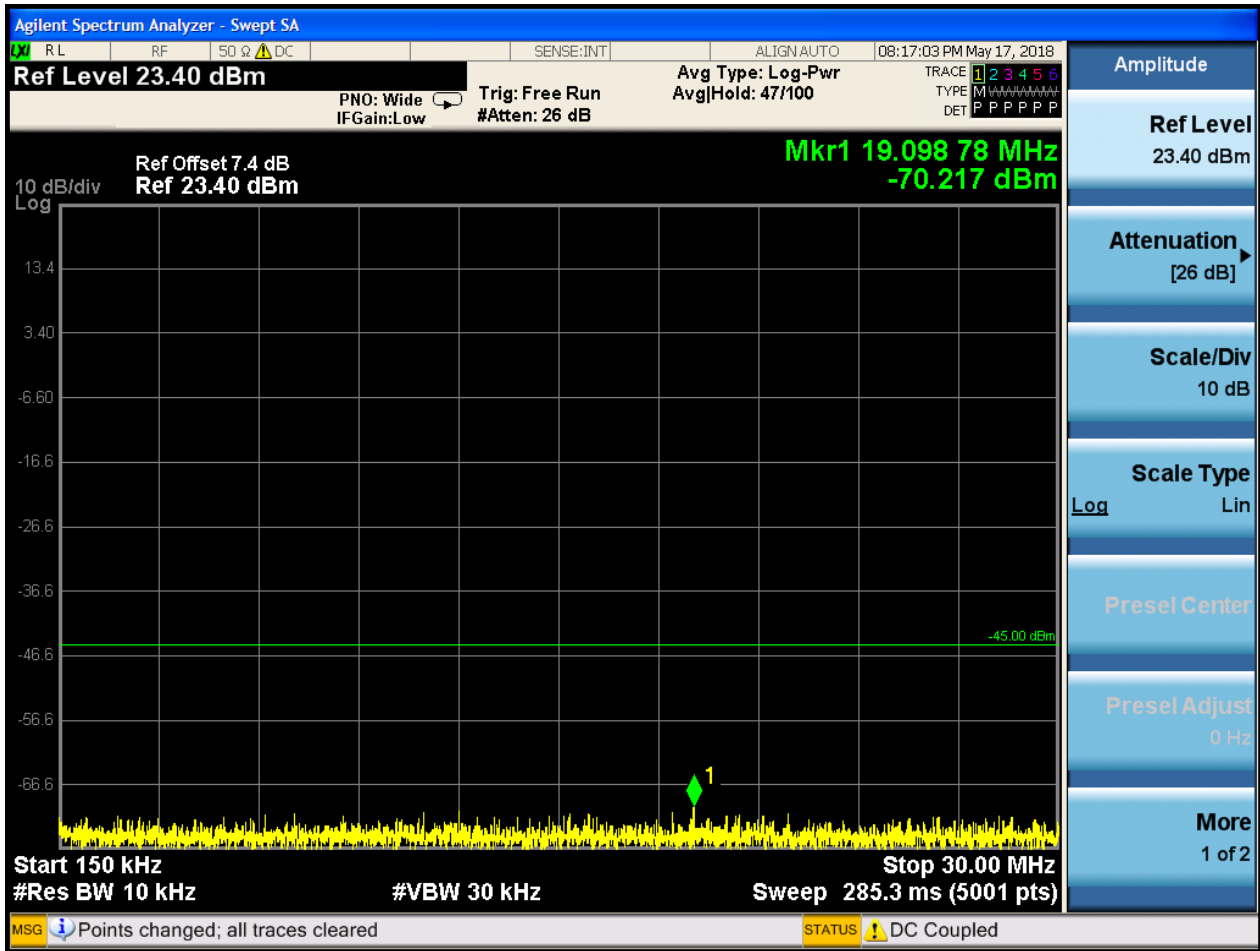


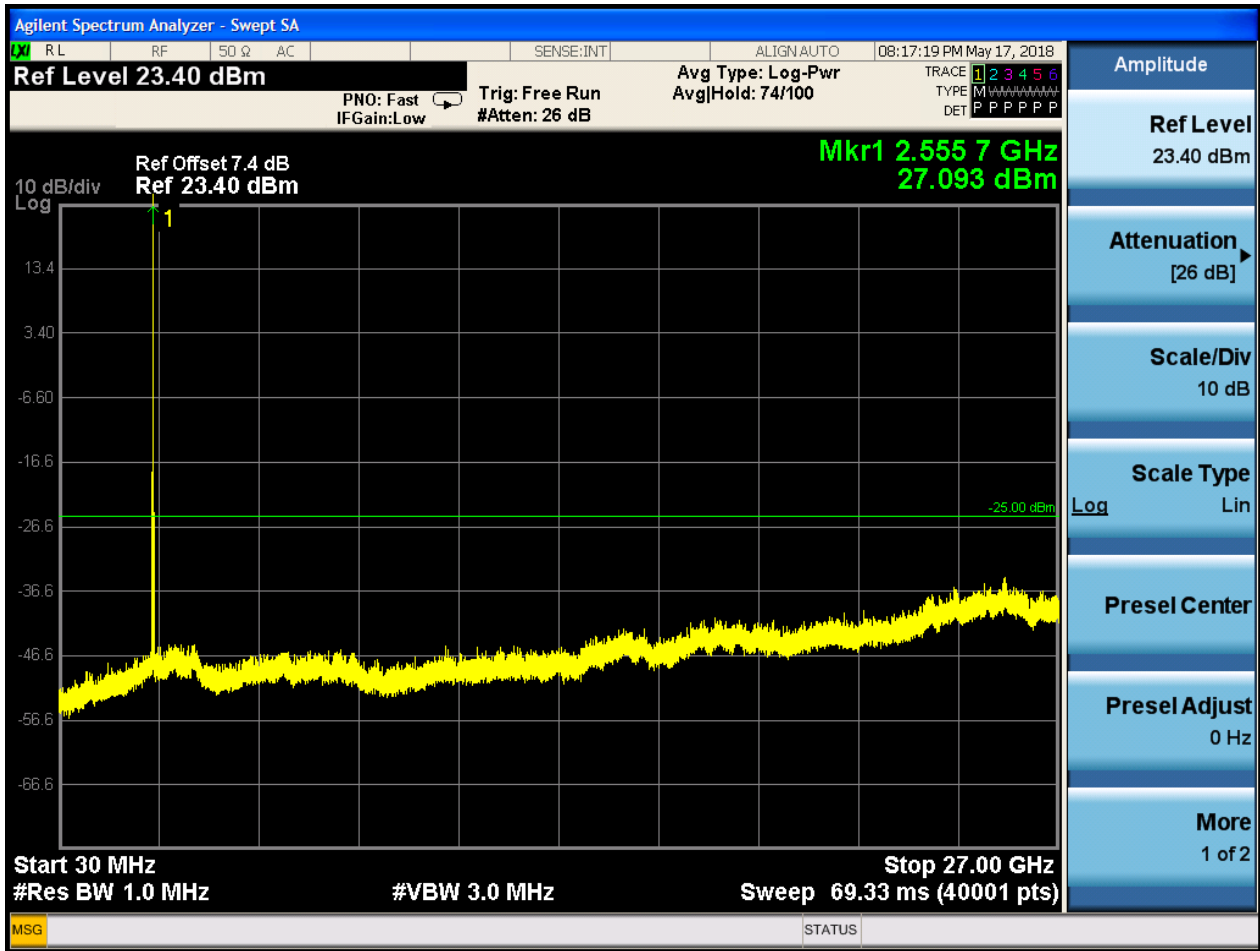


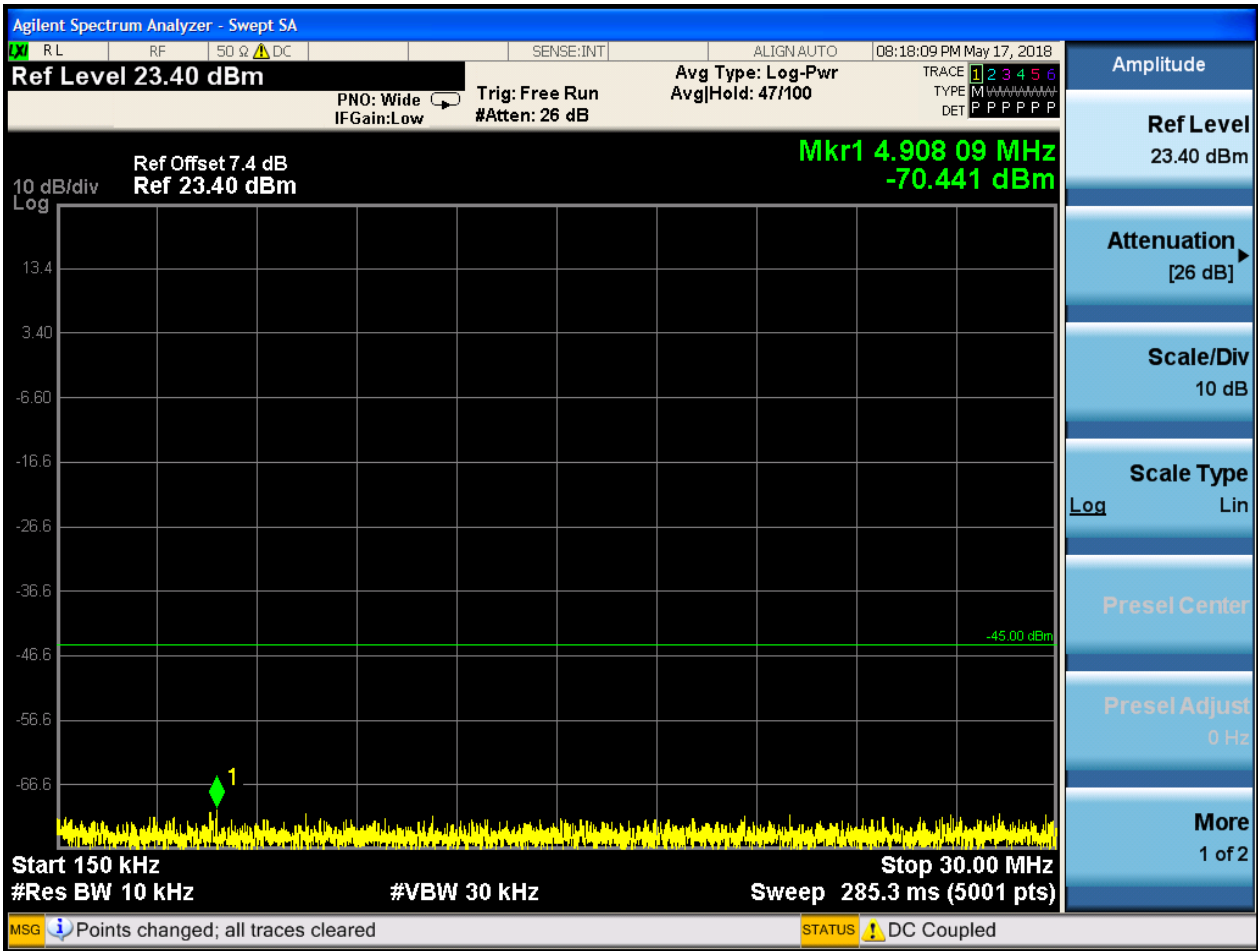
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





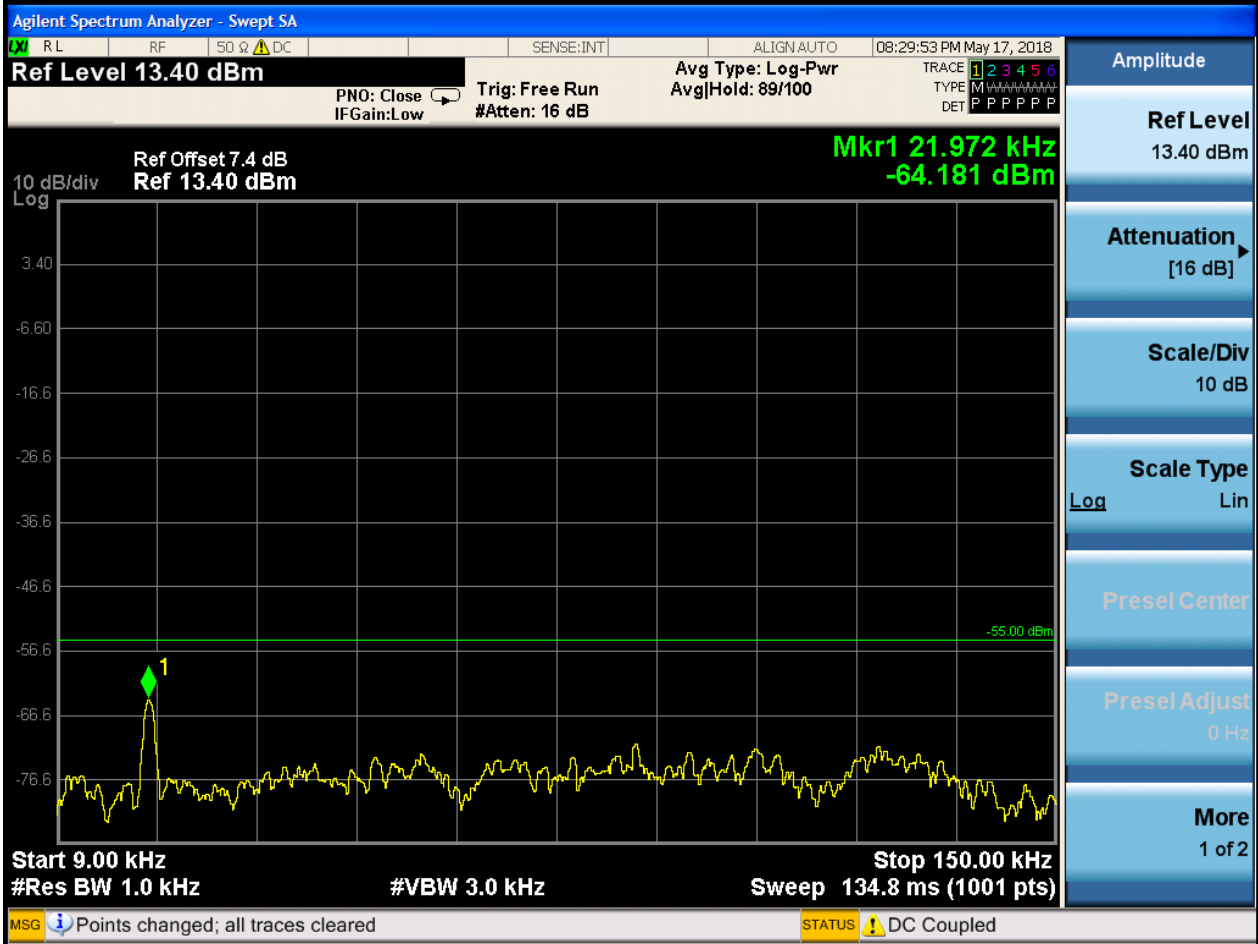


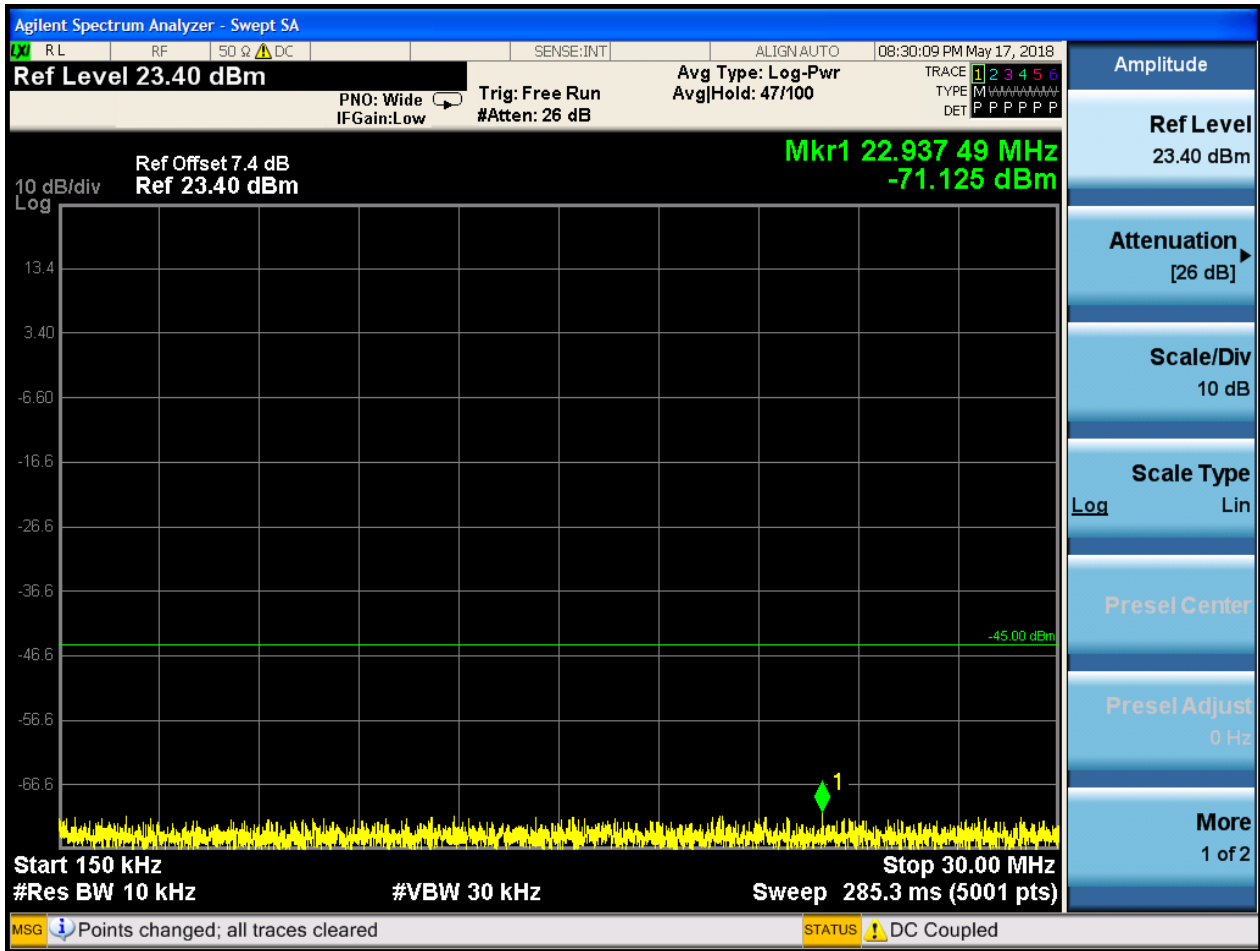


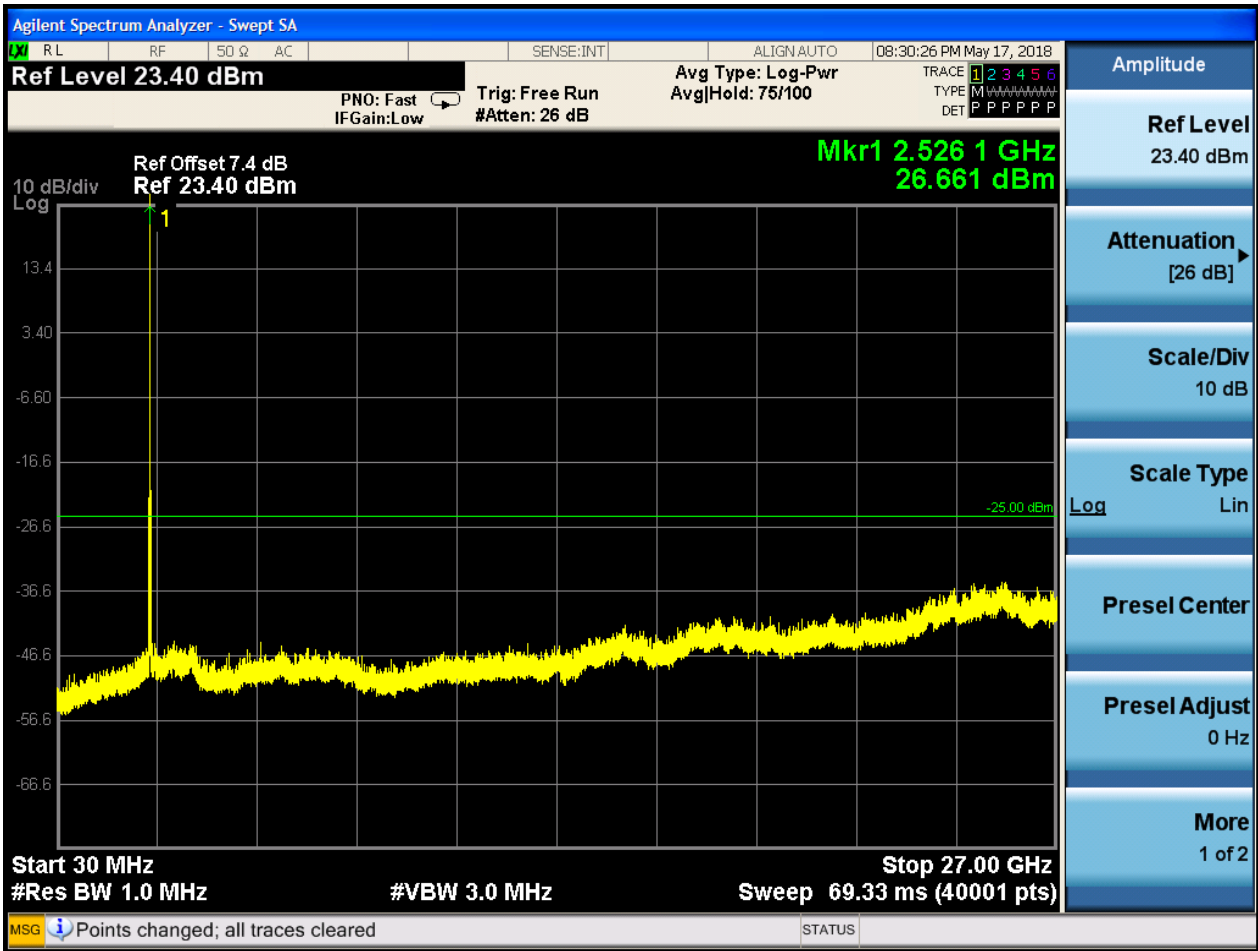


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

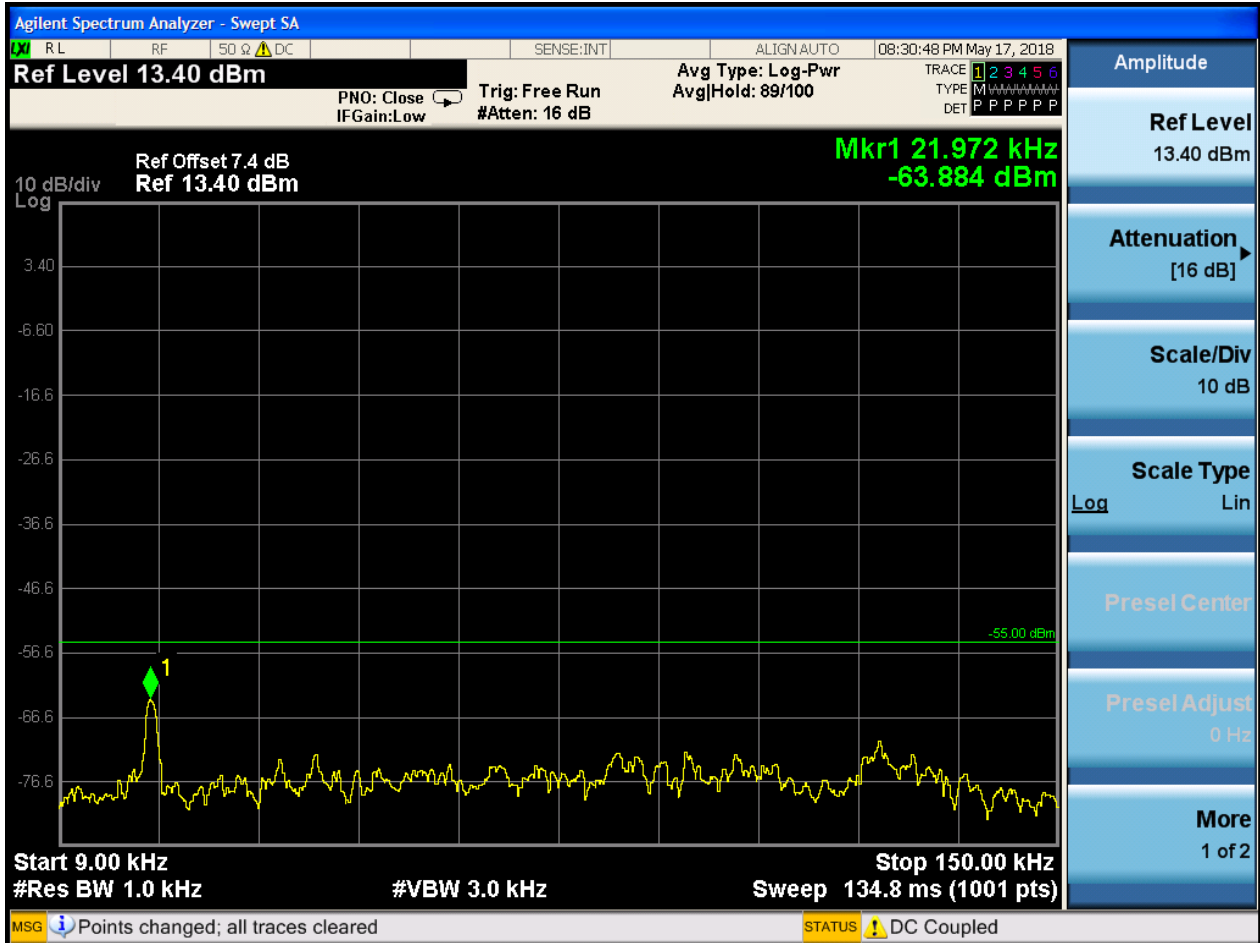


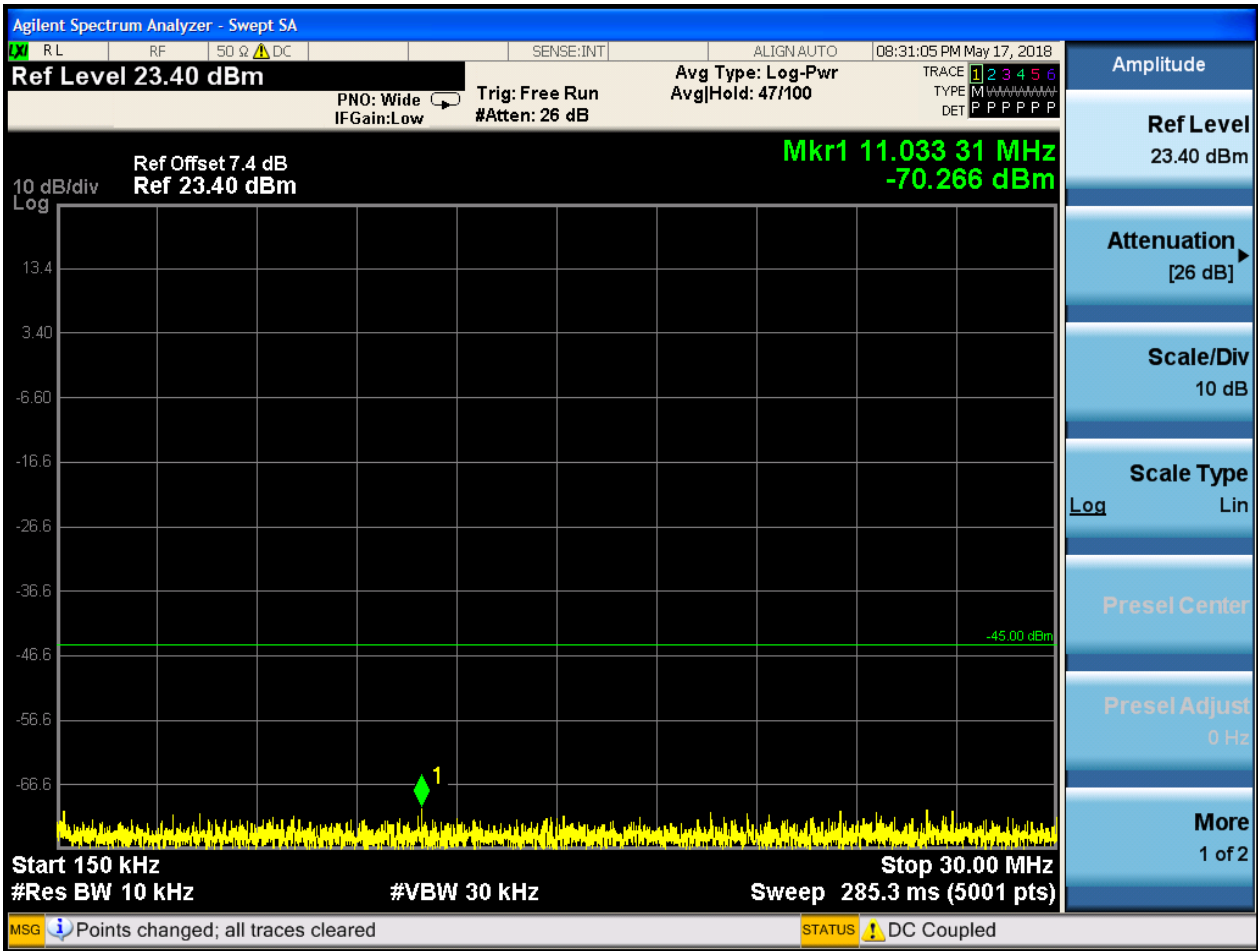


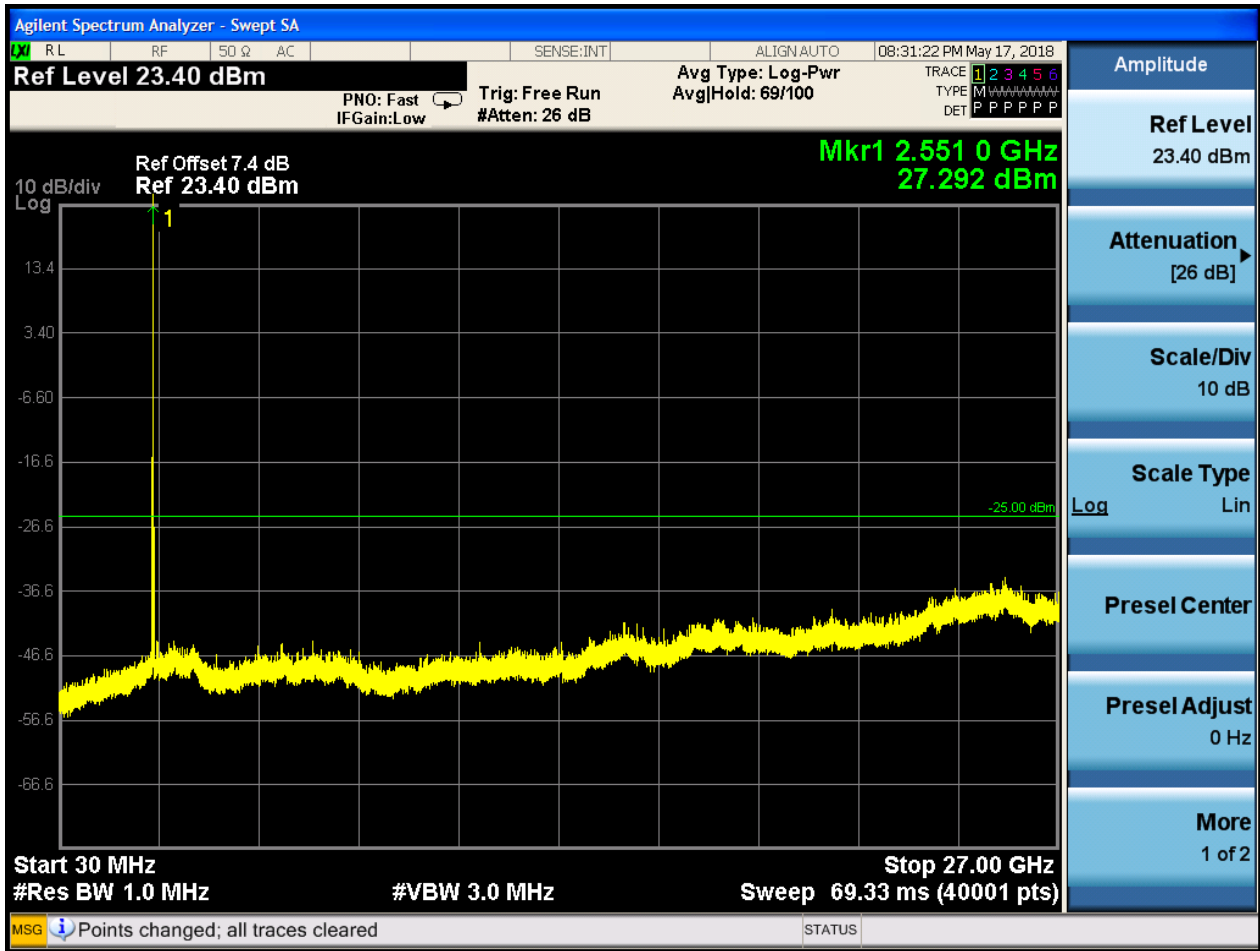


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







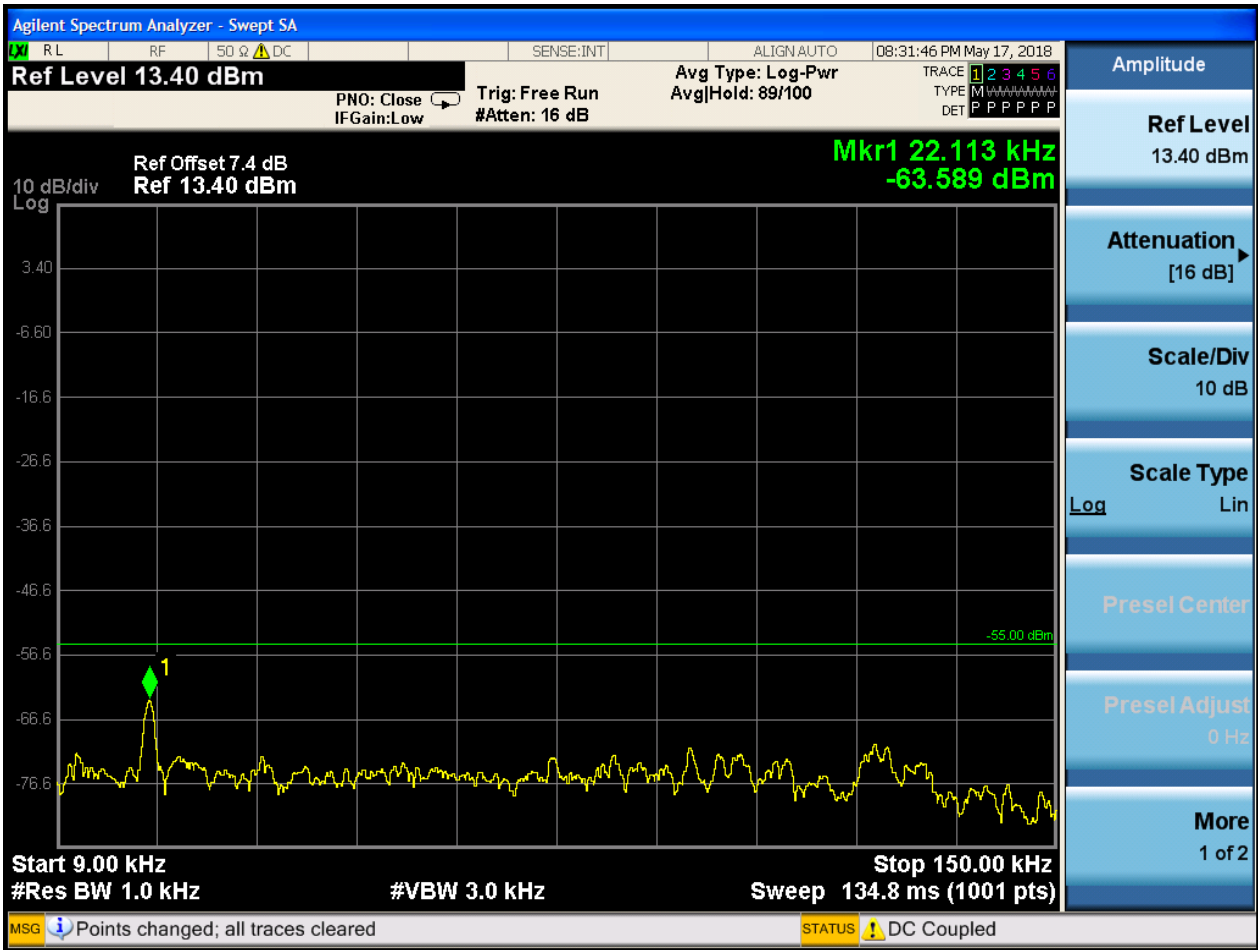


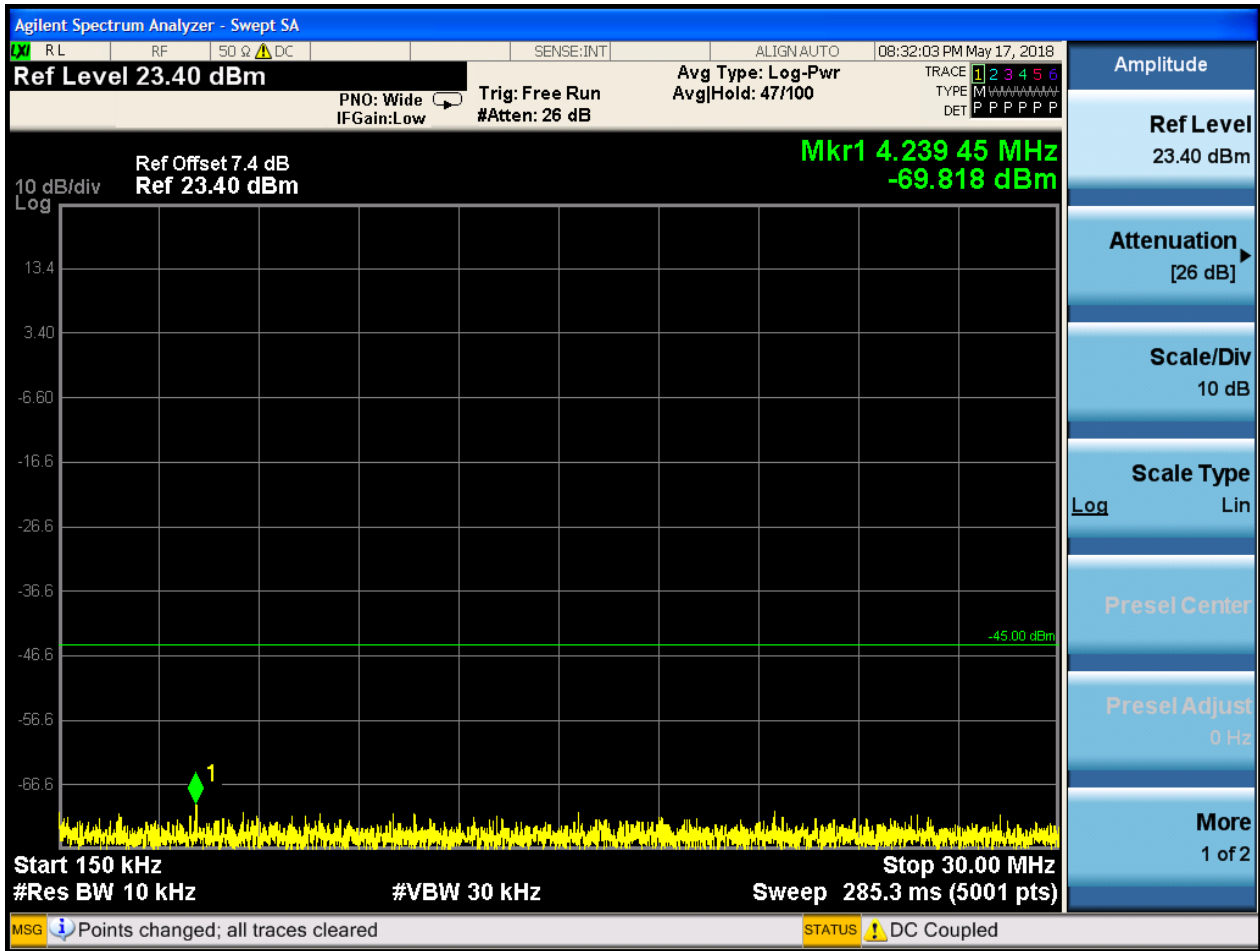
6.1.1.2 Test Mode = LTE/TM2

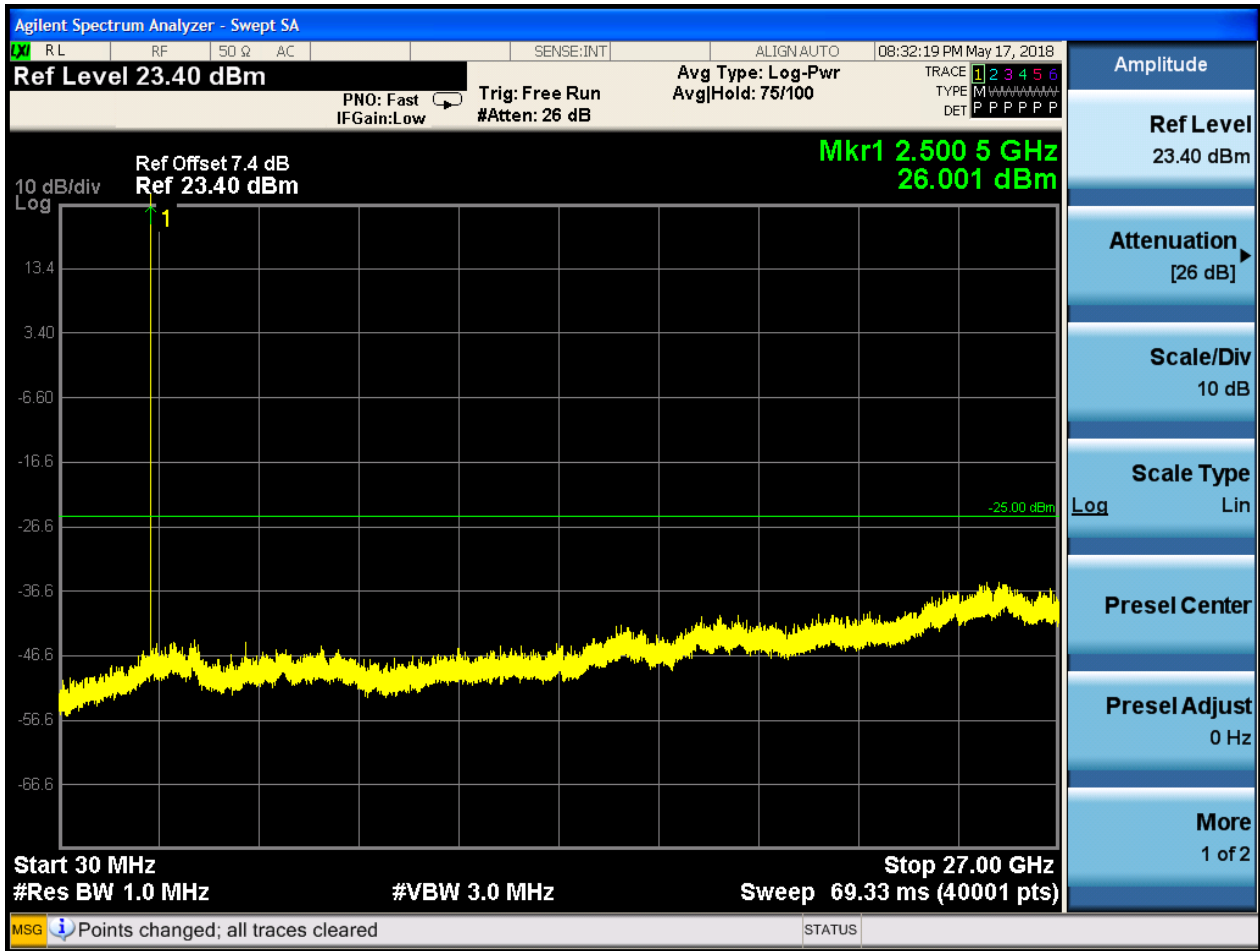
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



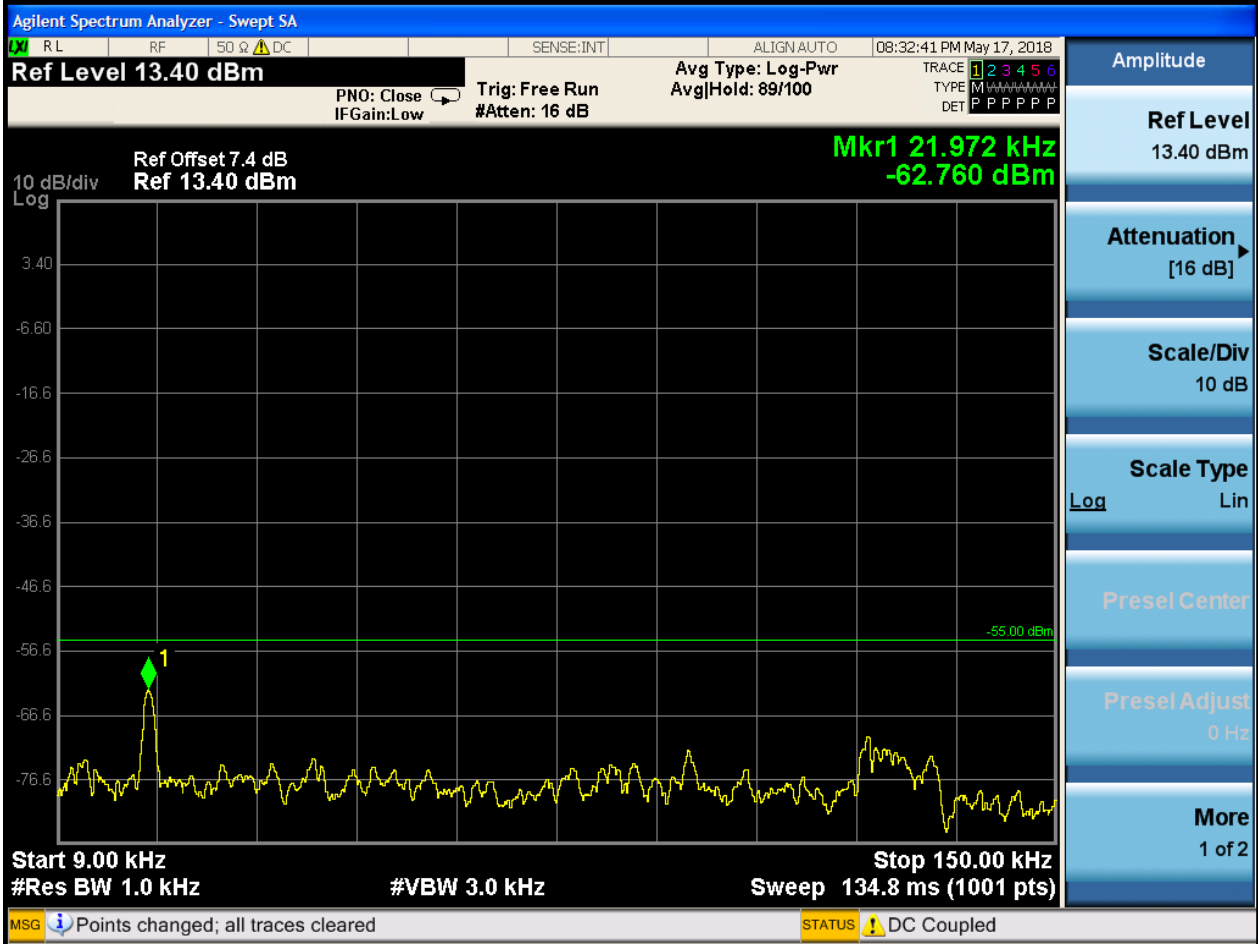


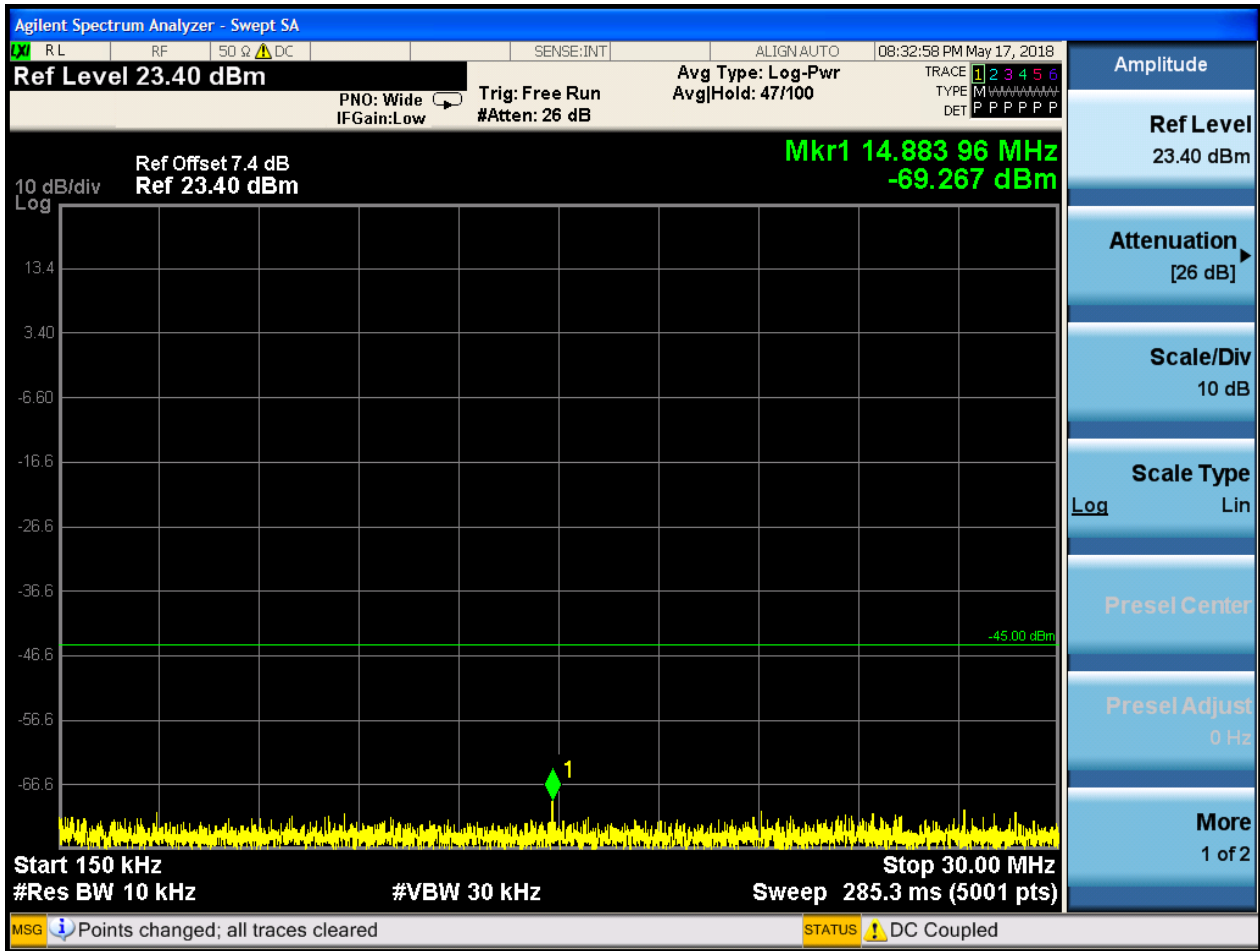


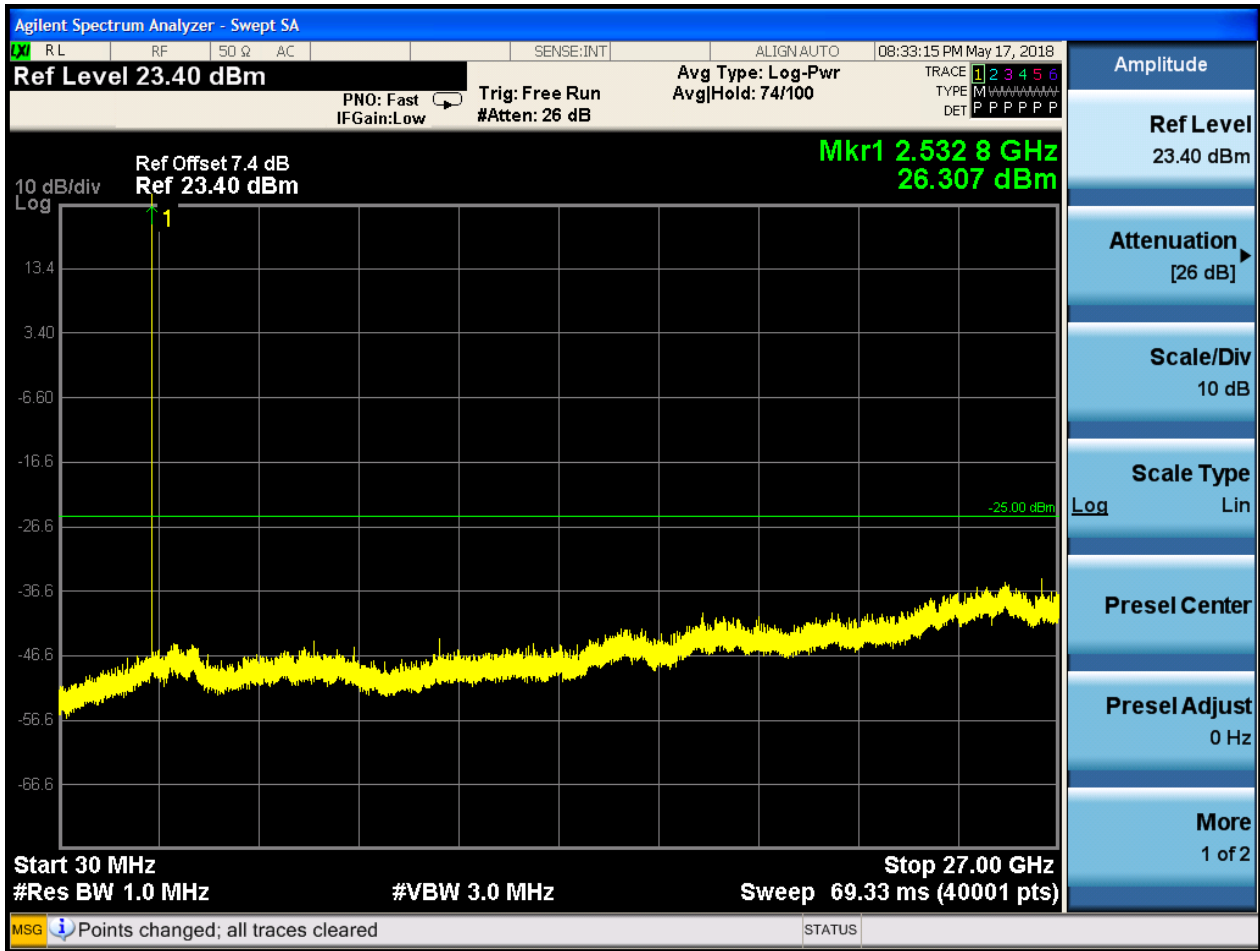


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



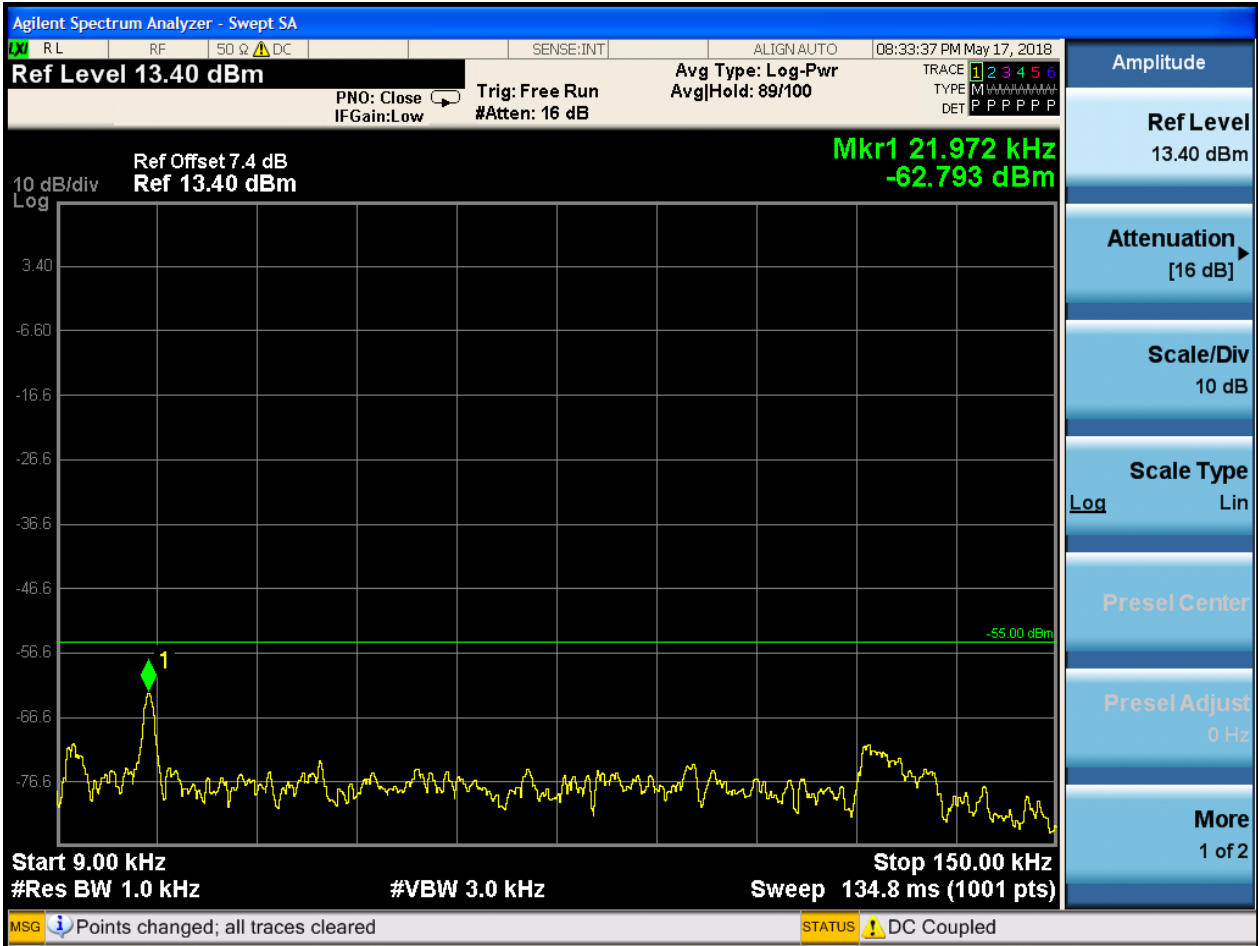


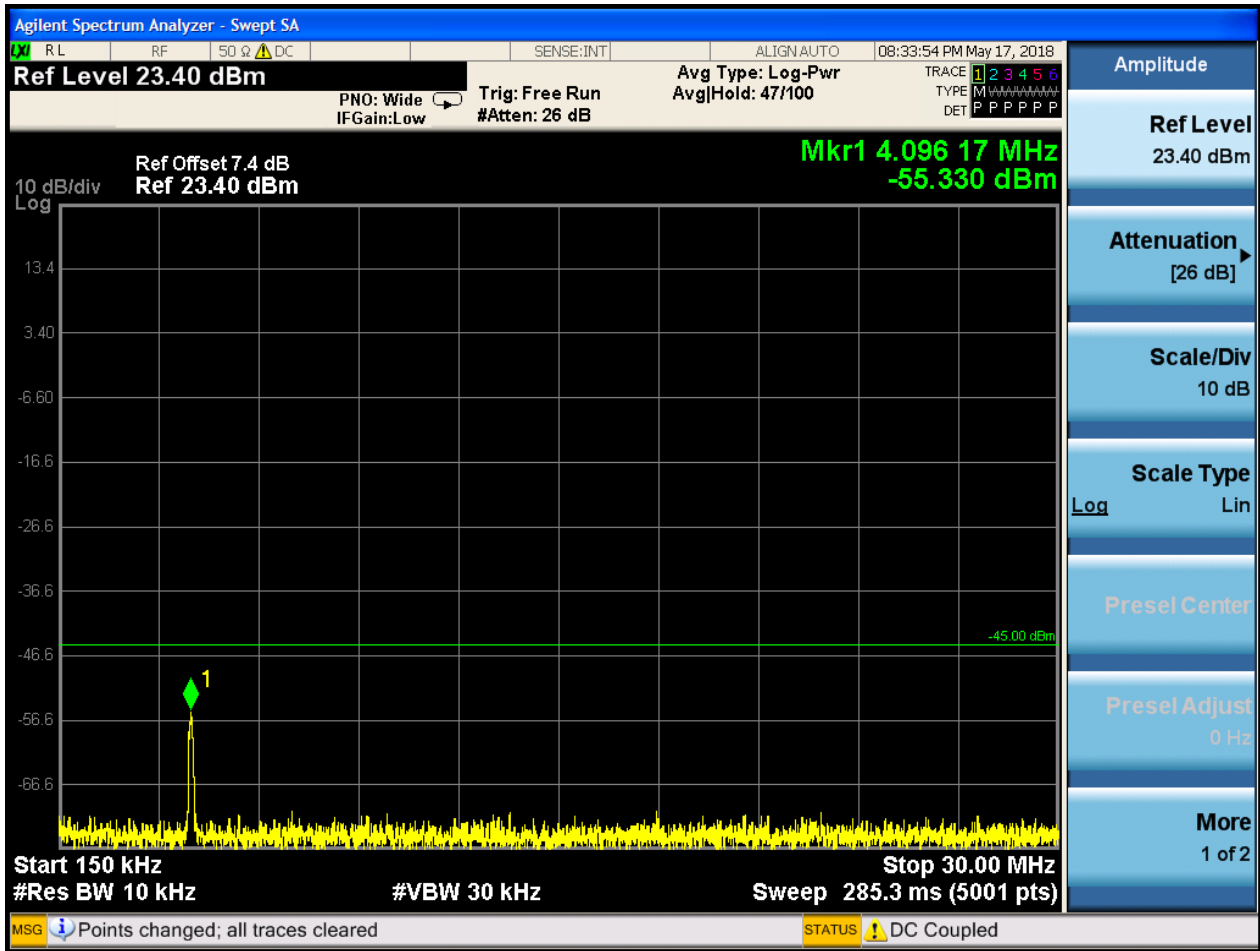


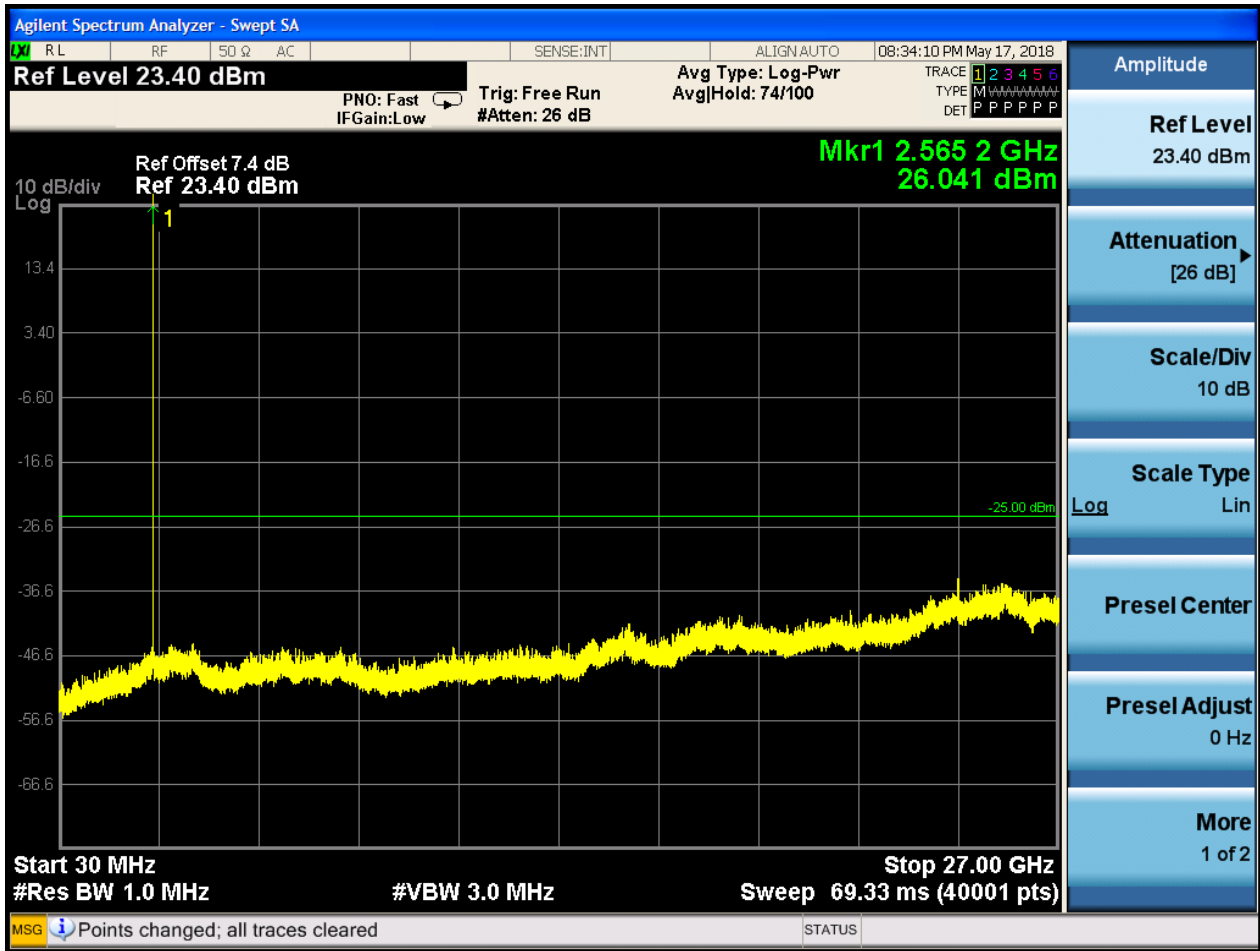


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





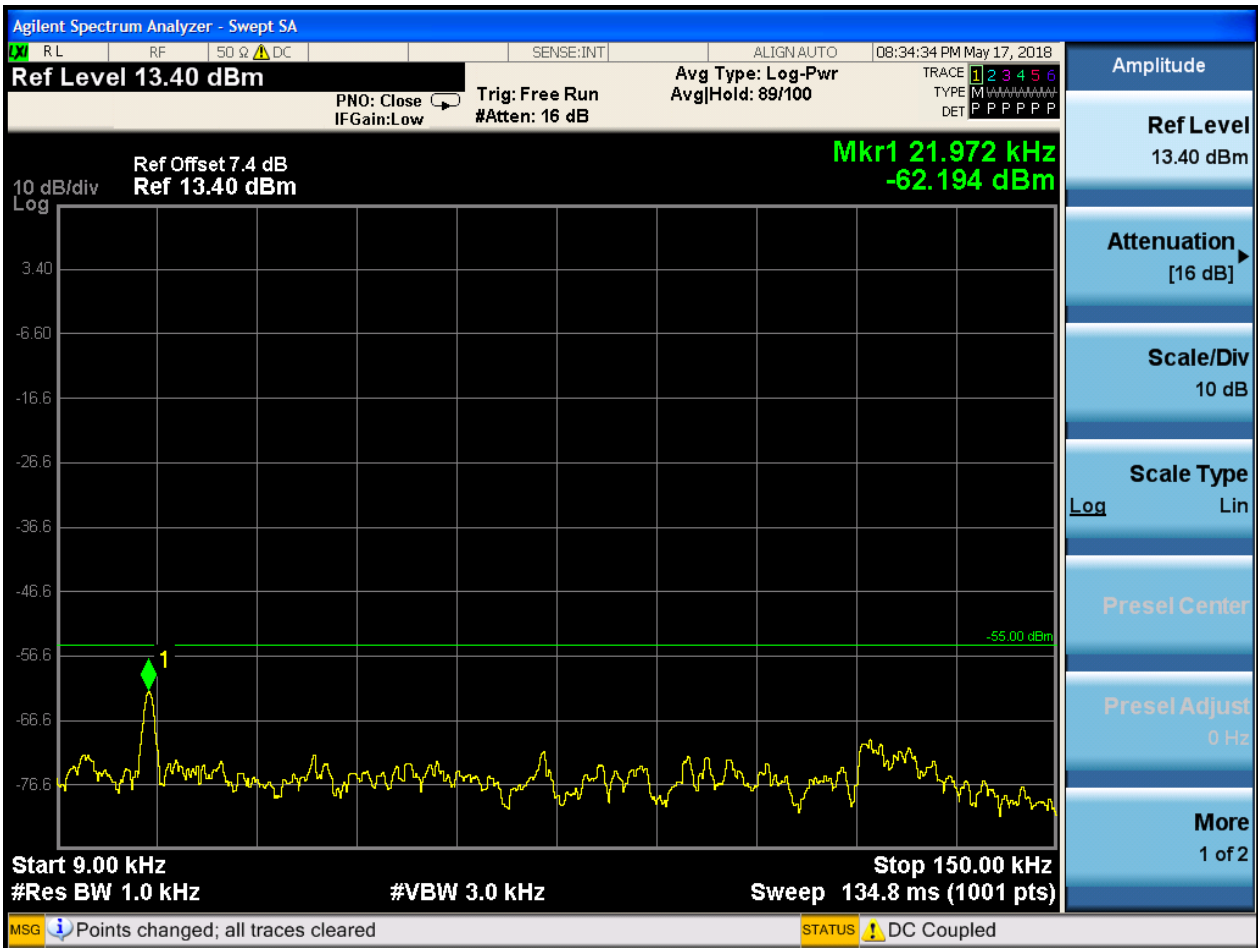


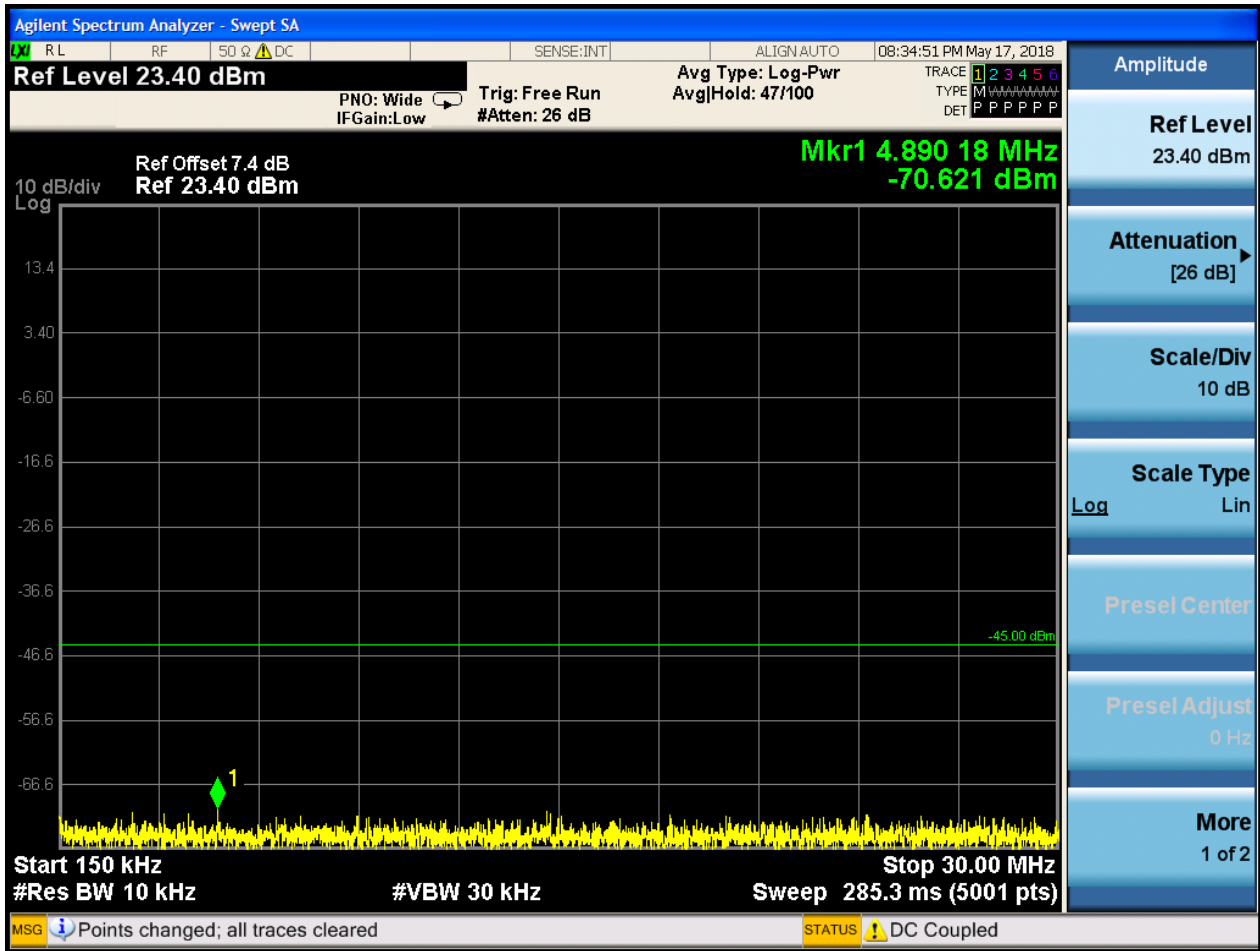


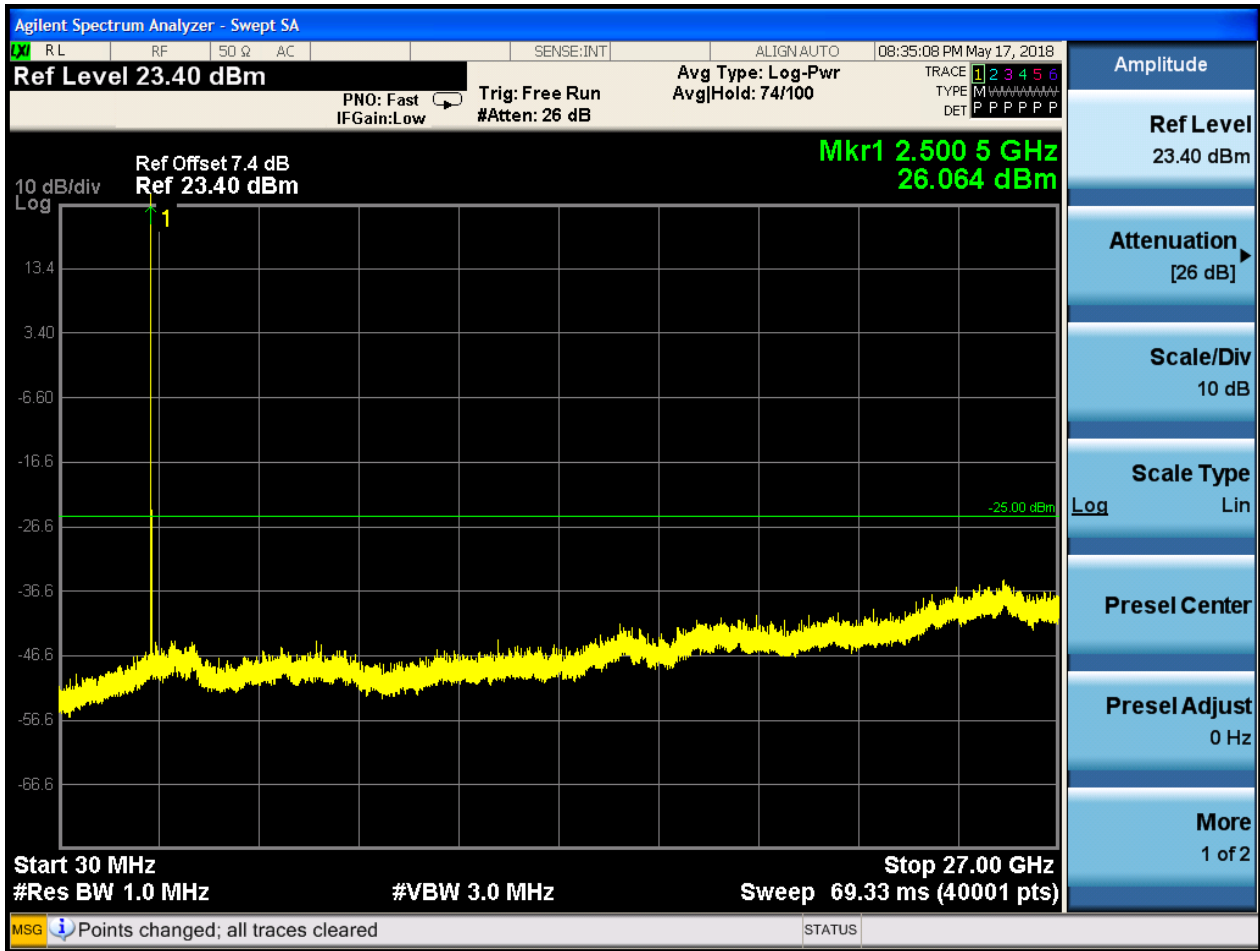
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



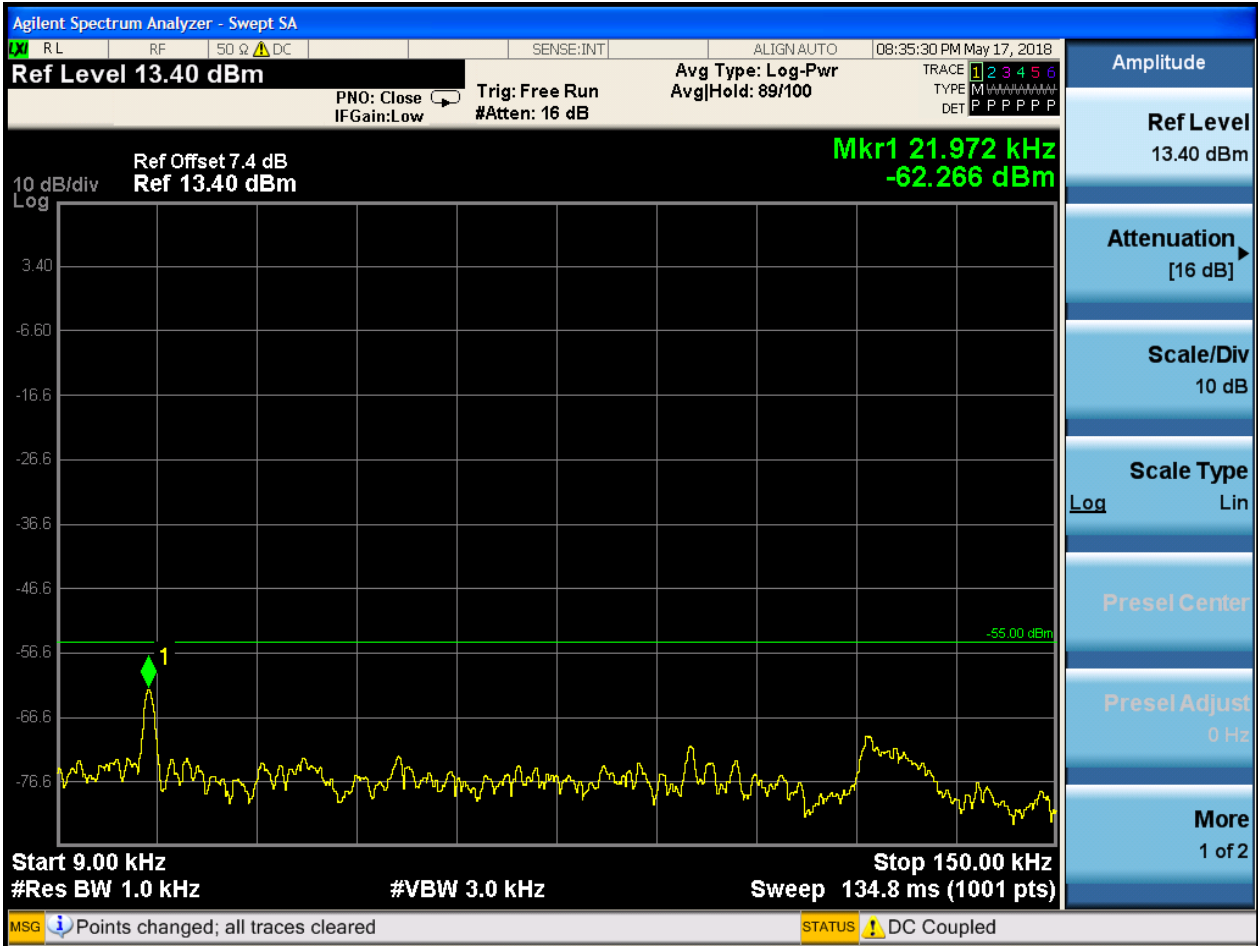


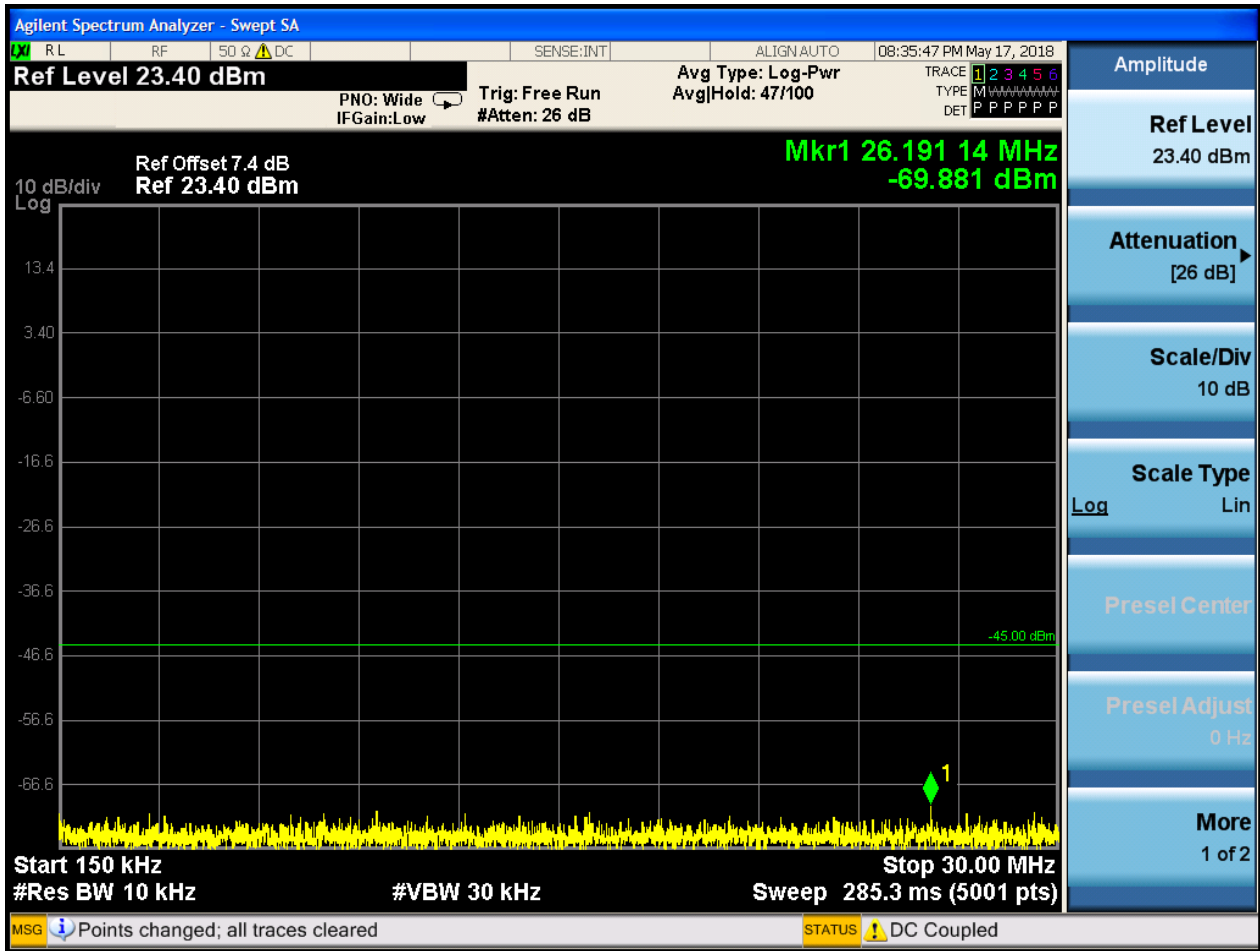


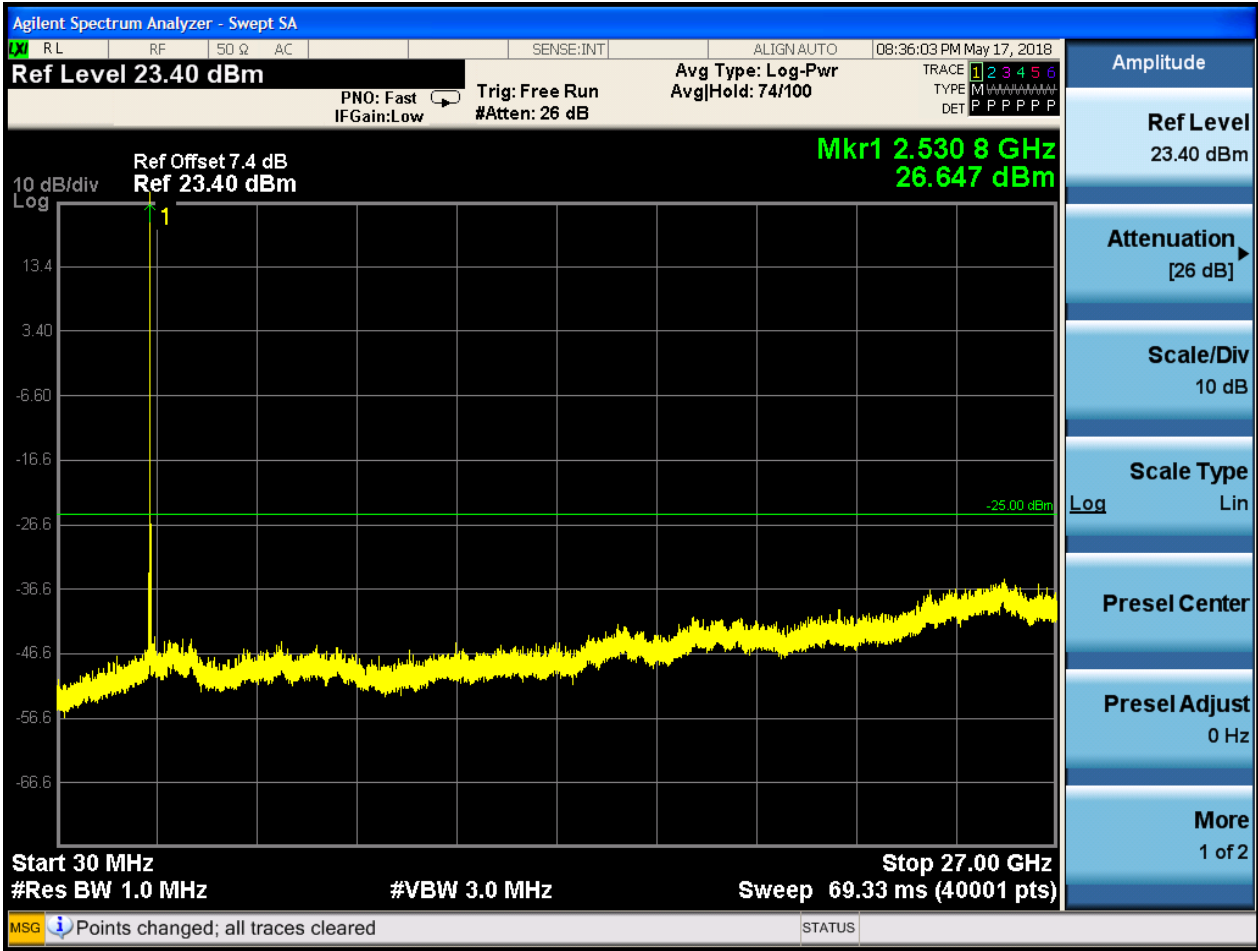


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



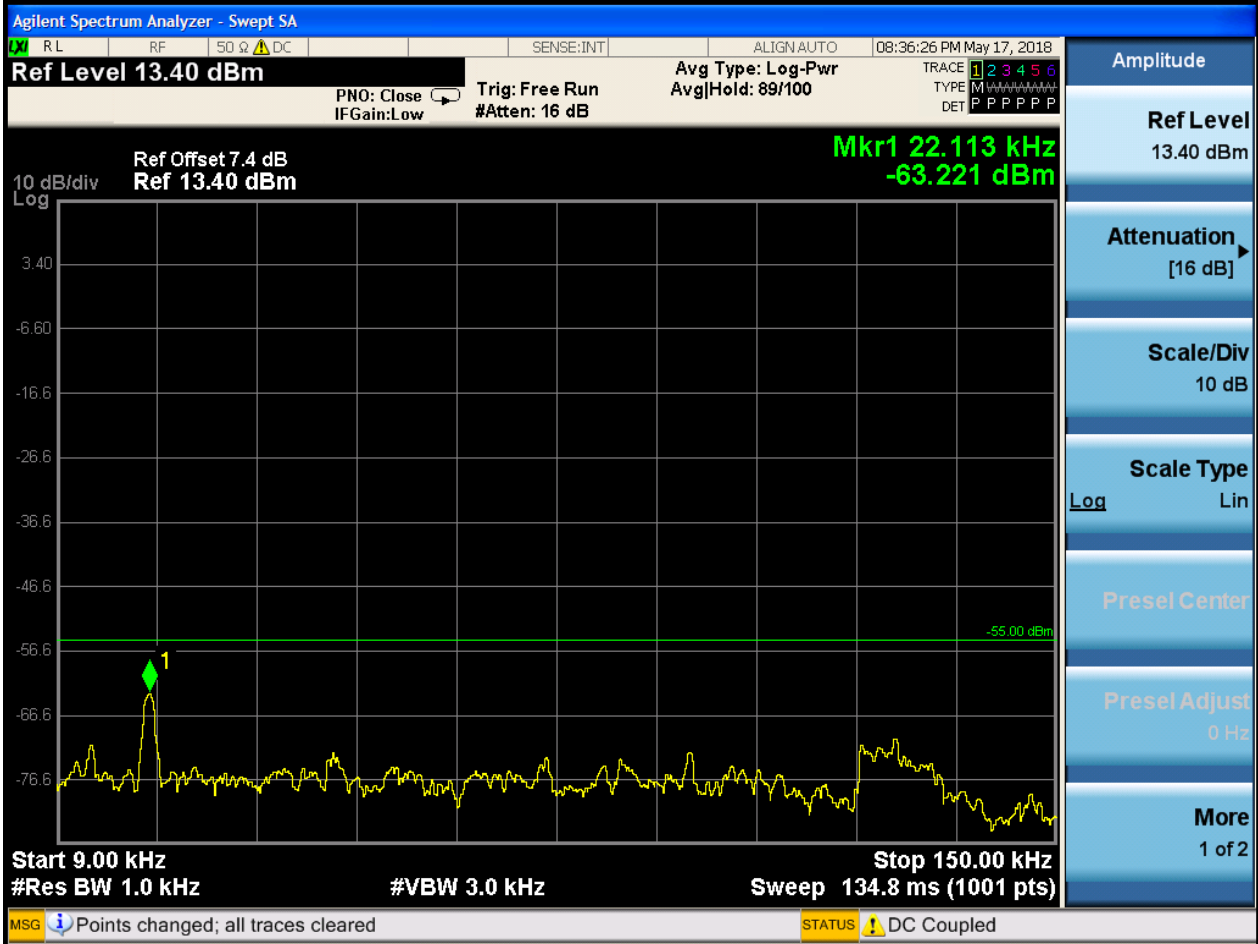


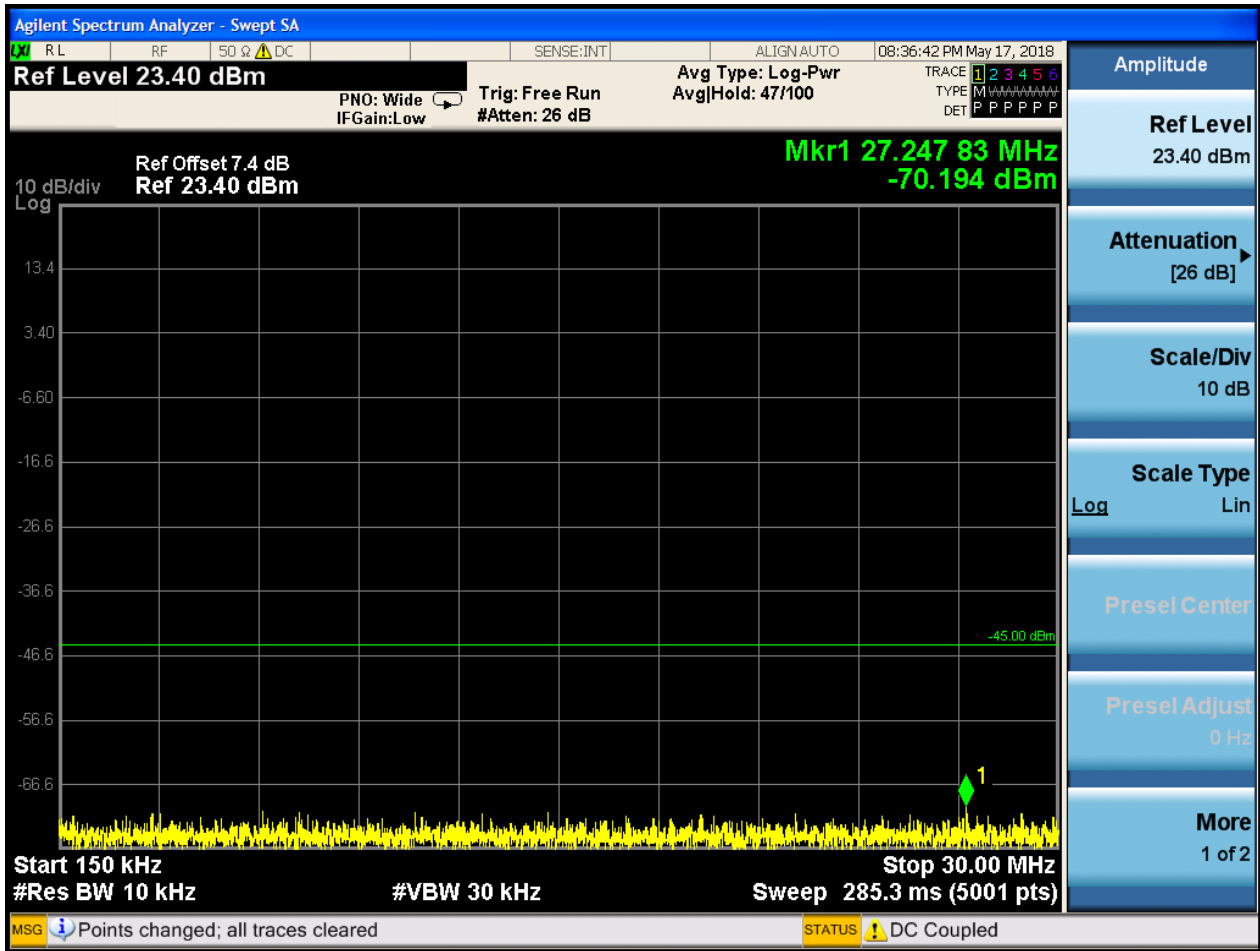


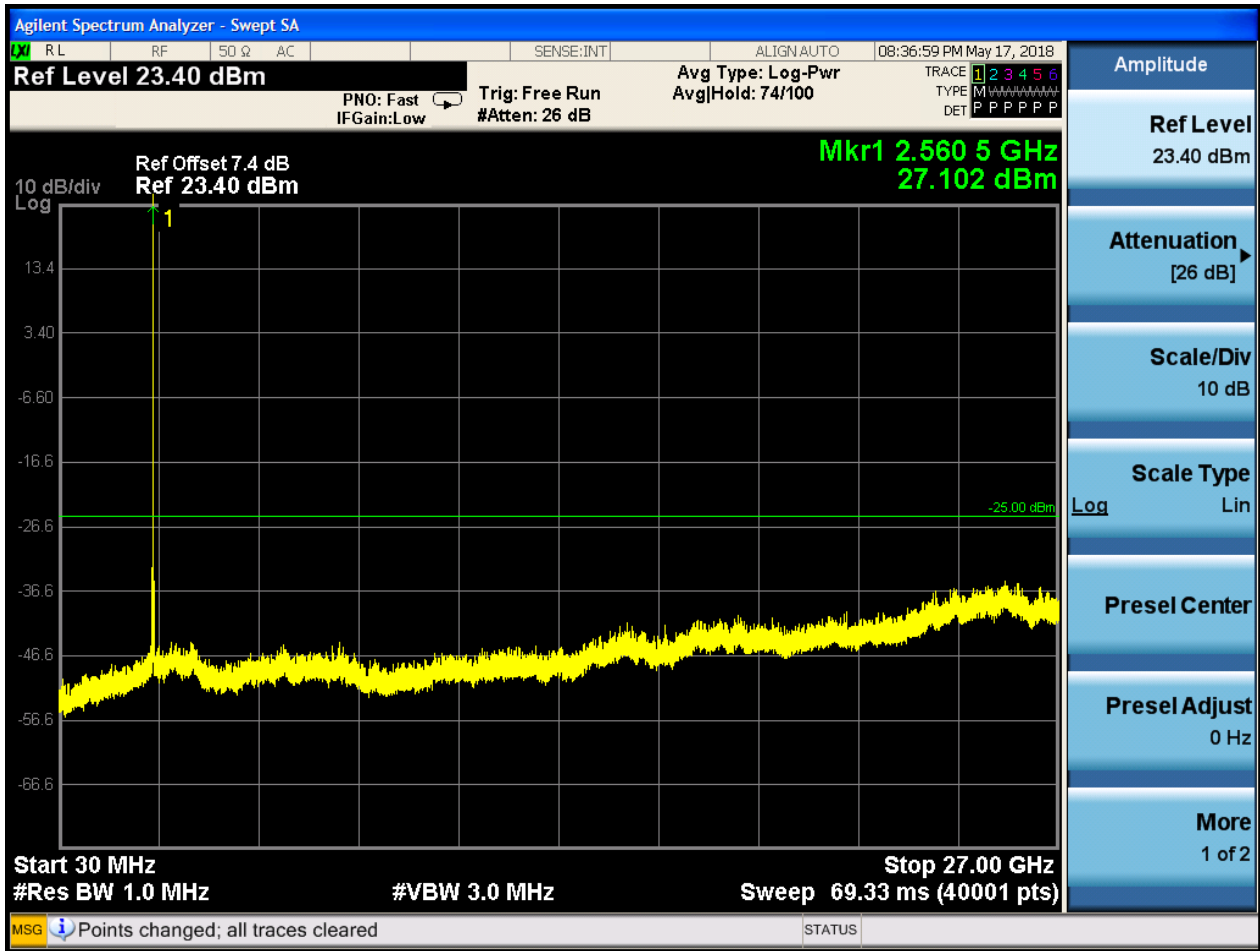


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







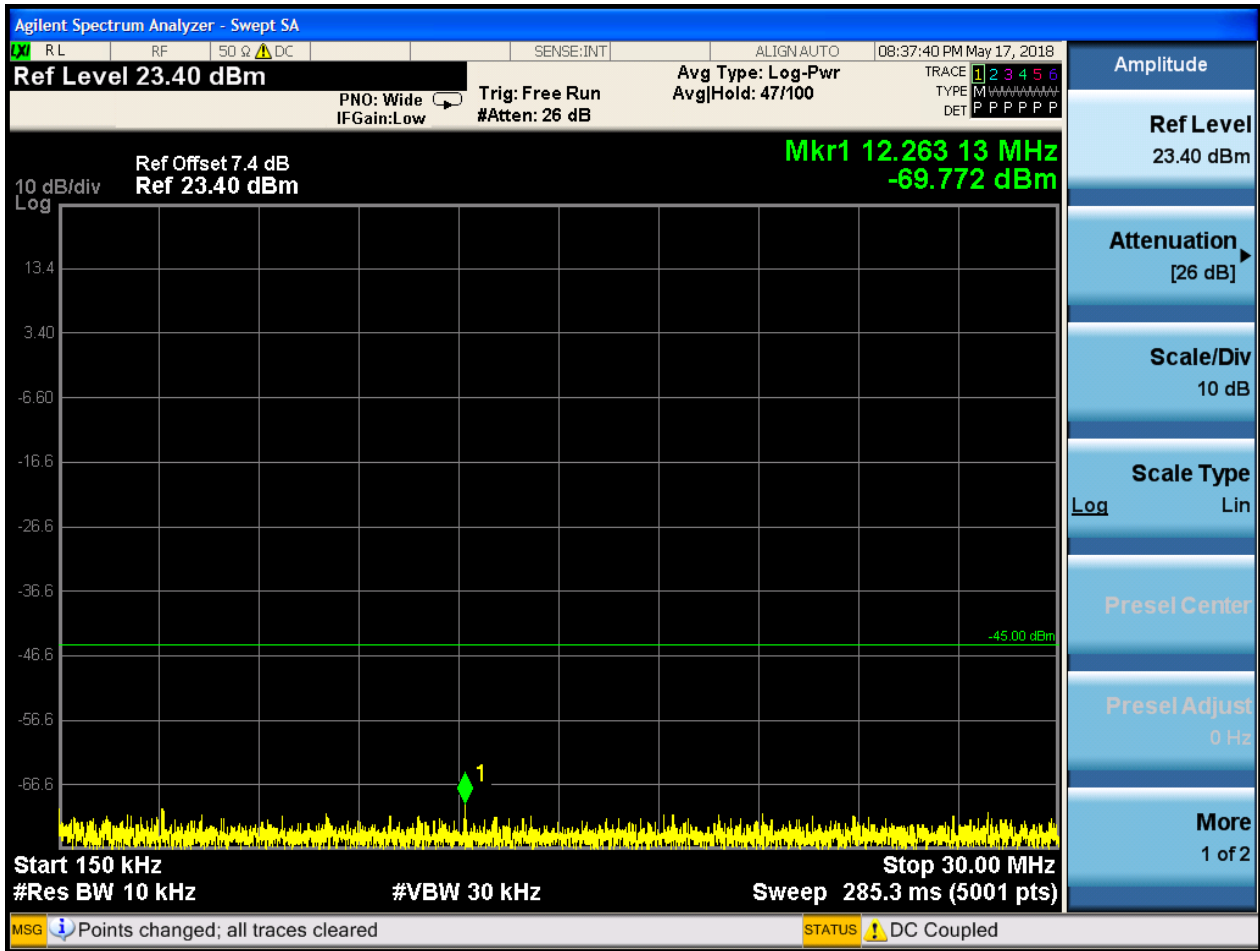


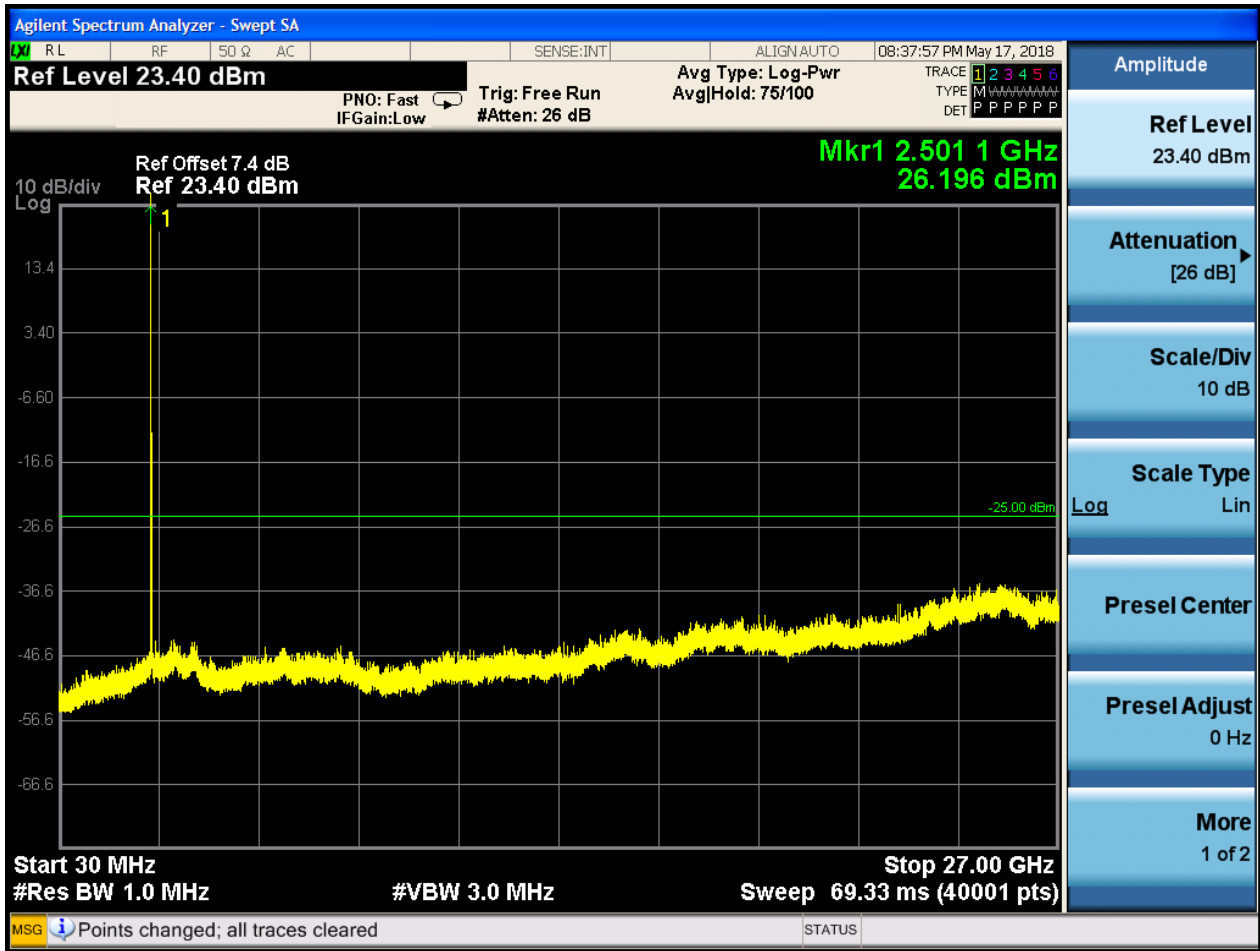
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



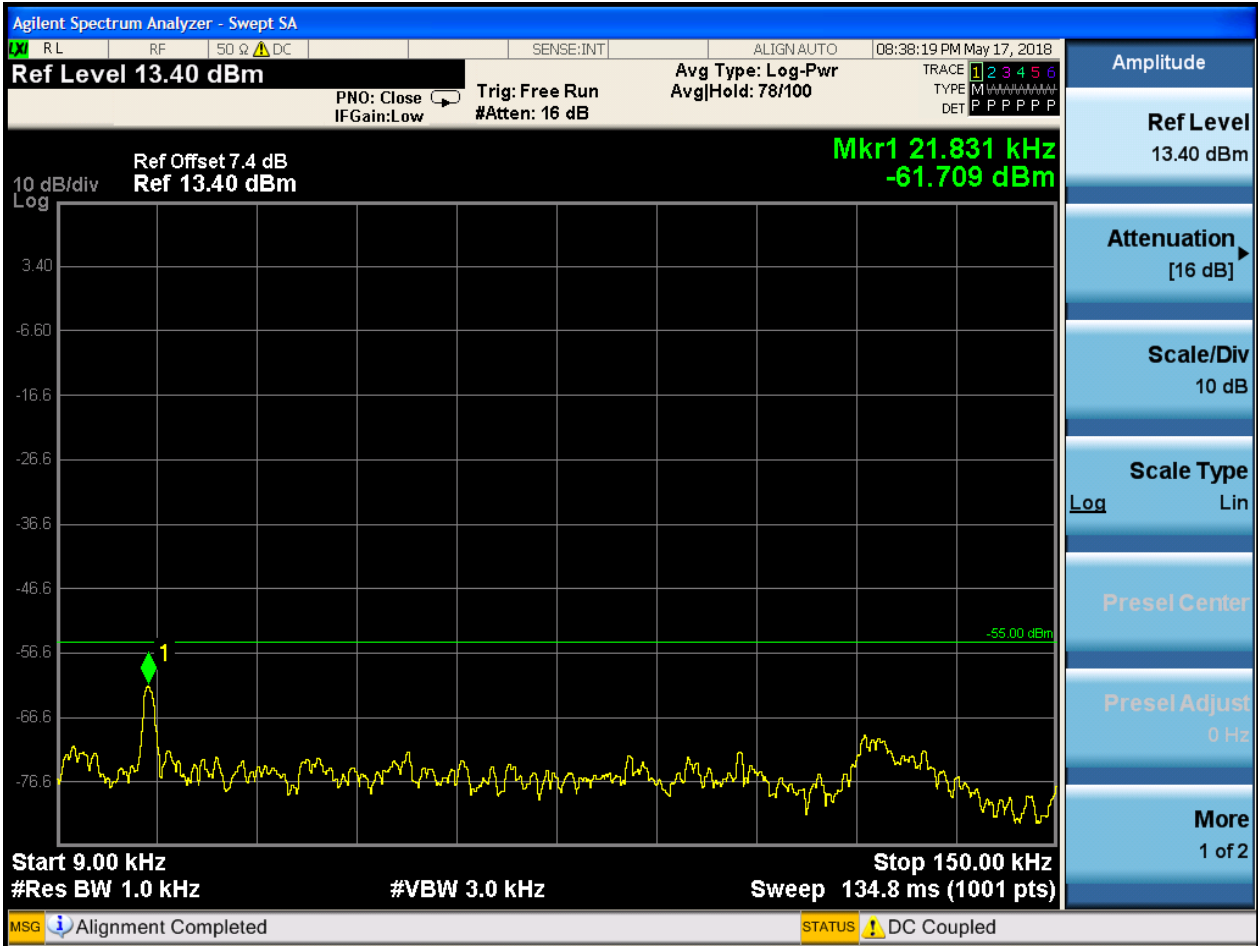


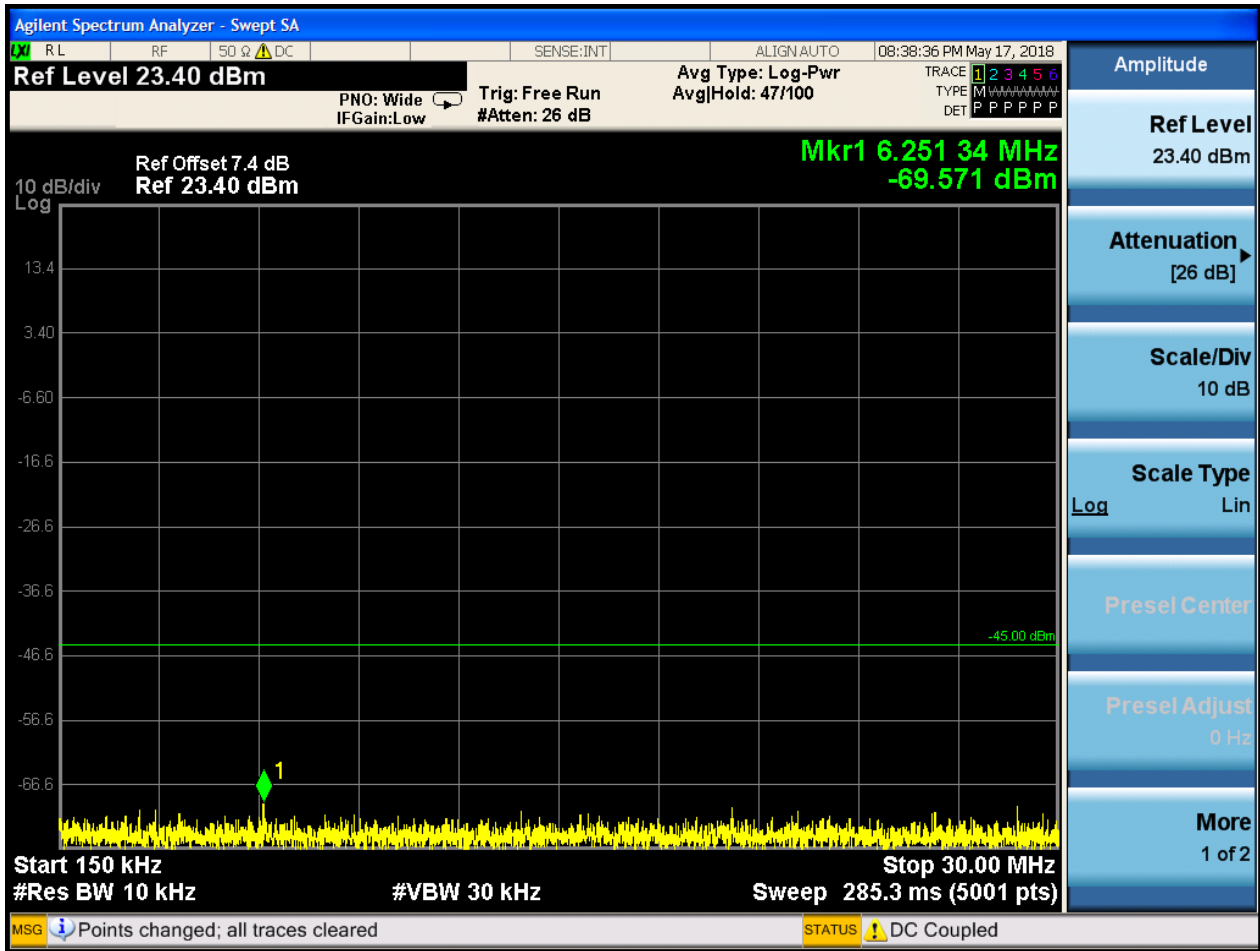


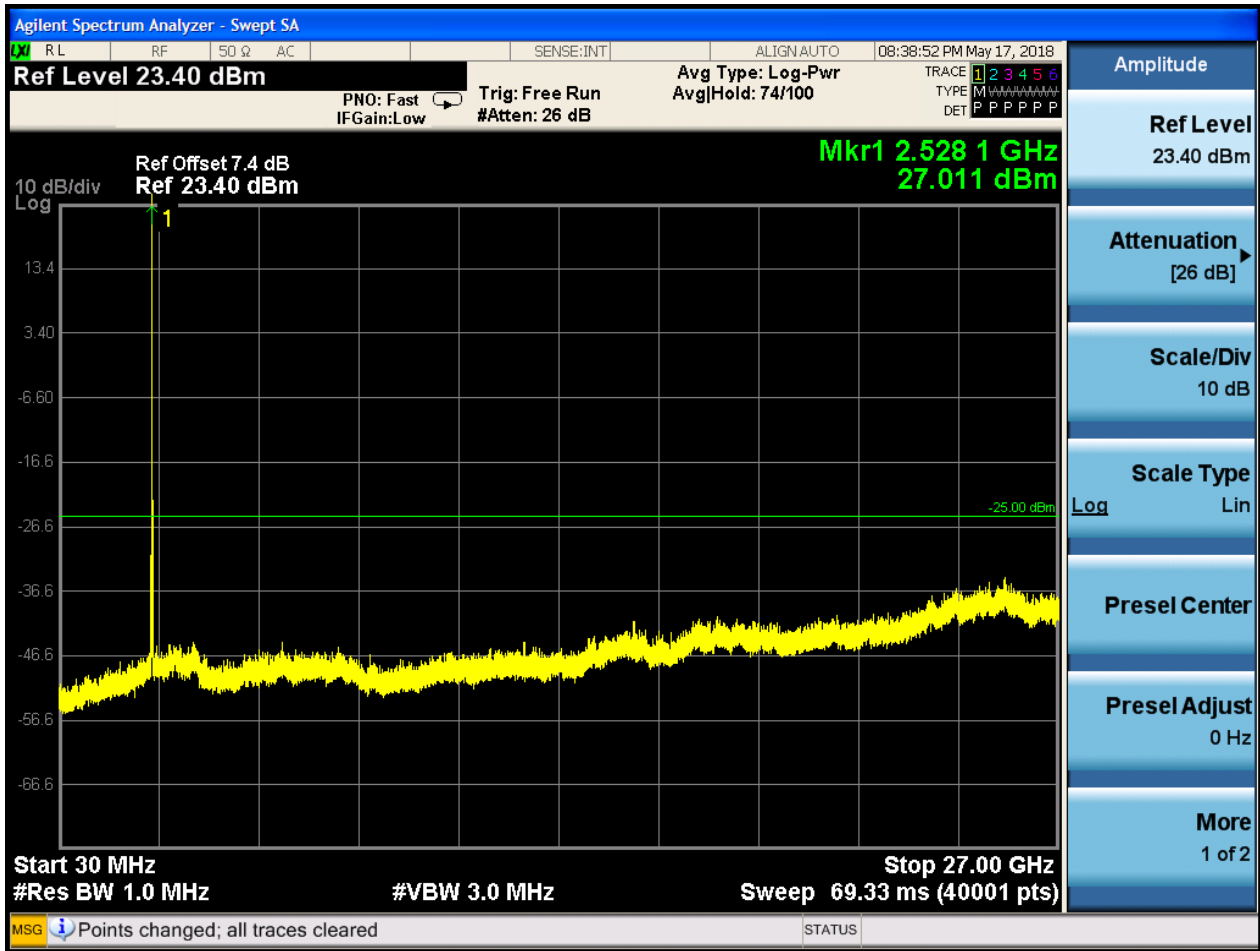


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



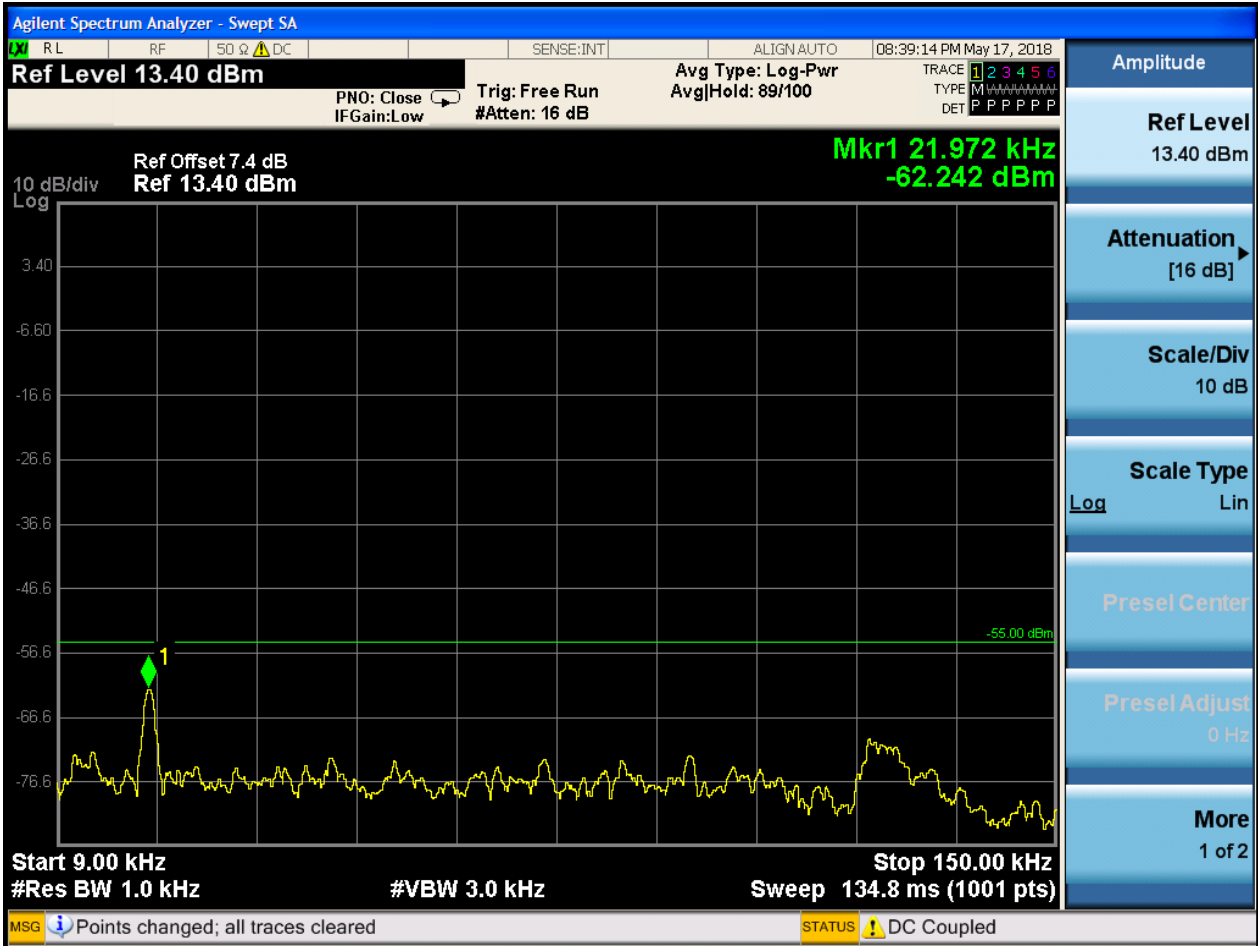


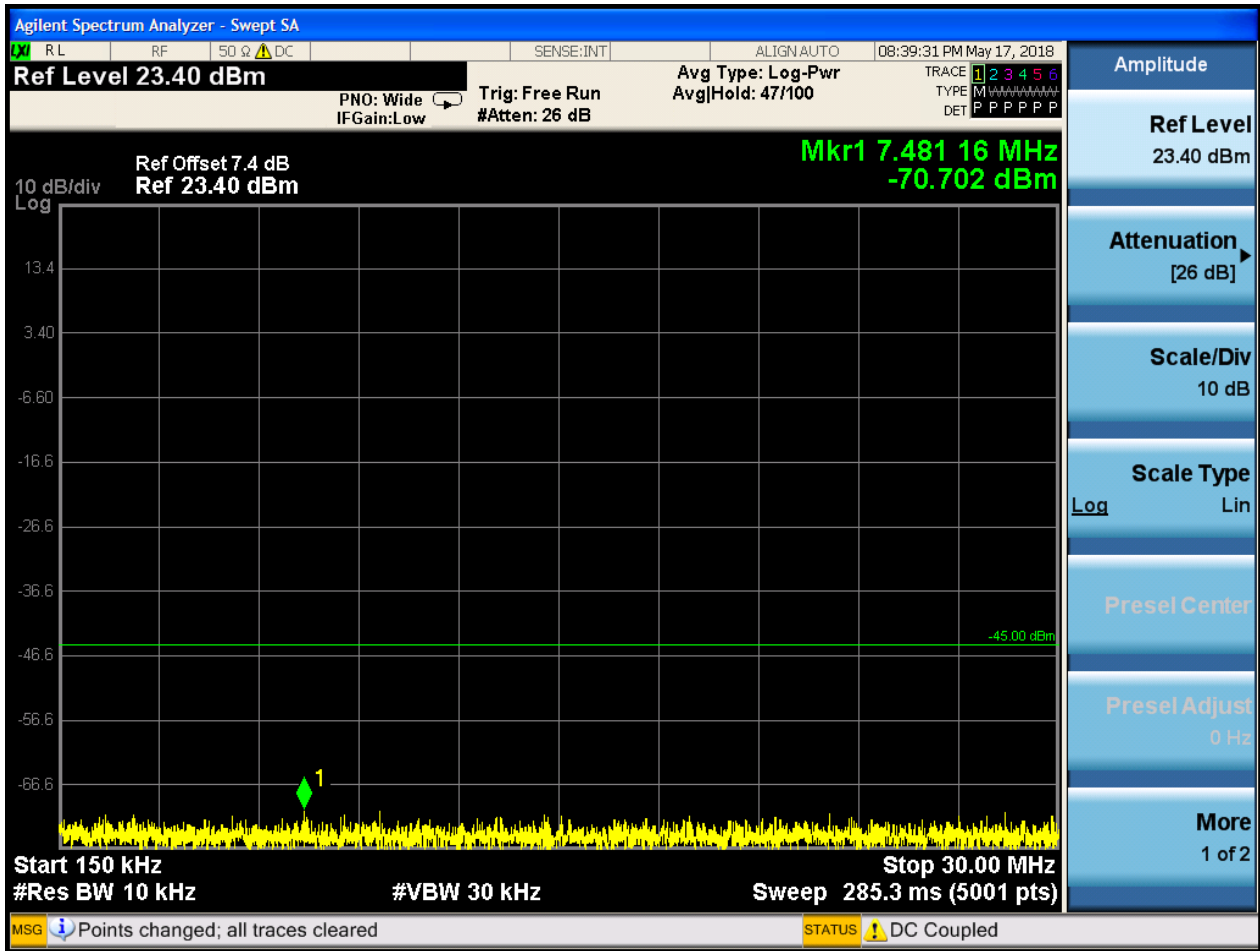


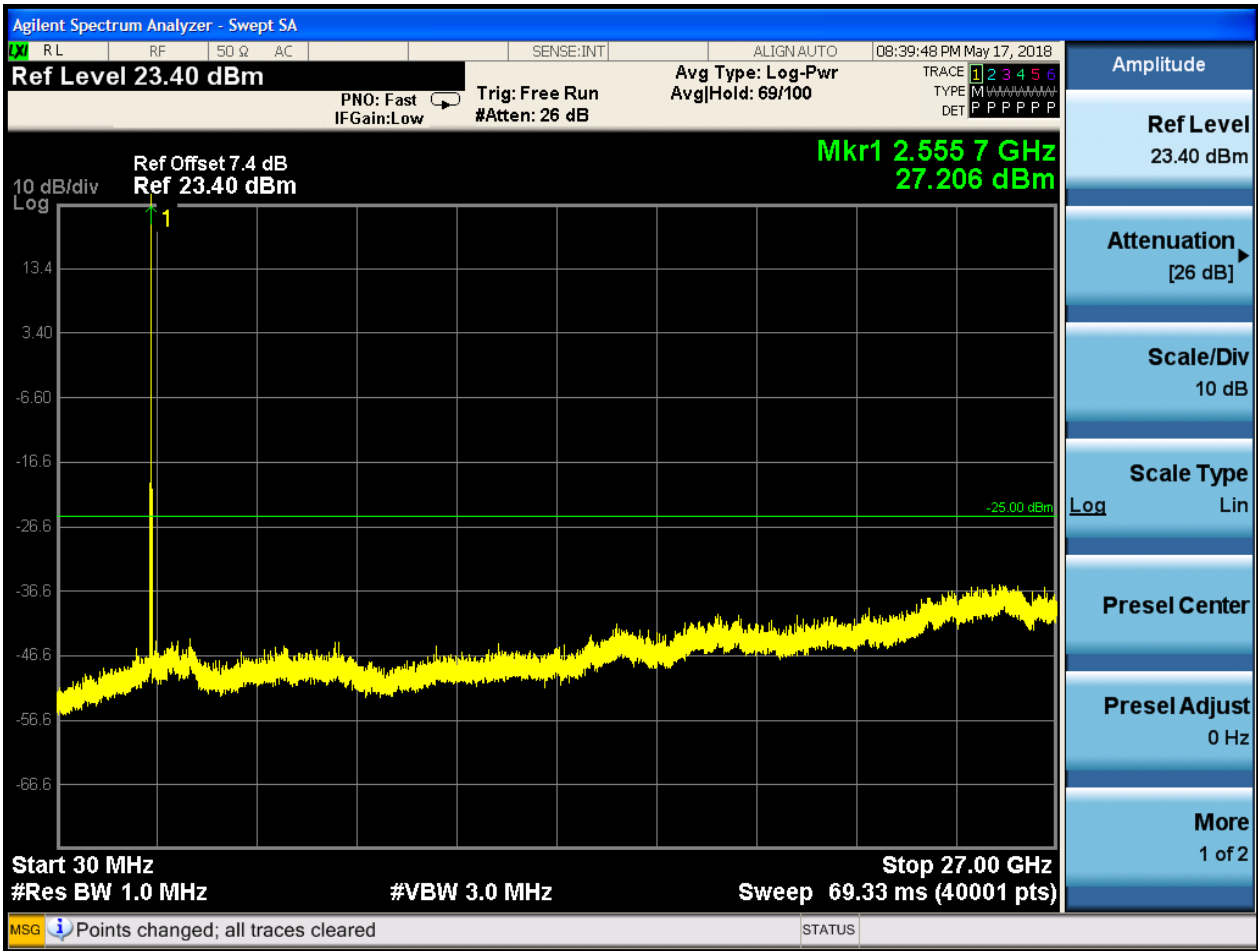


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





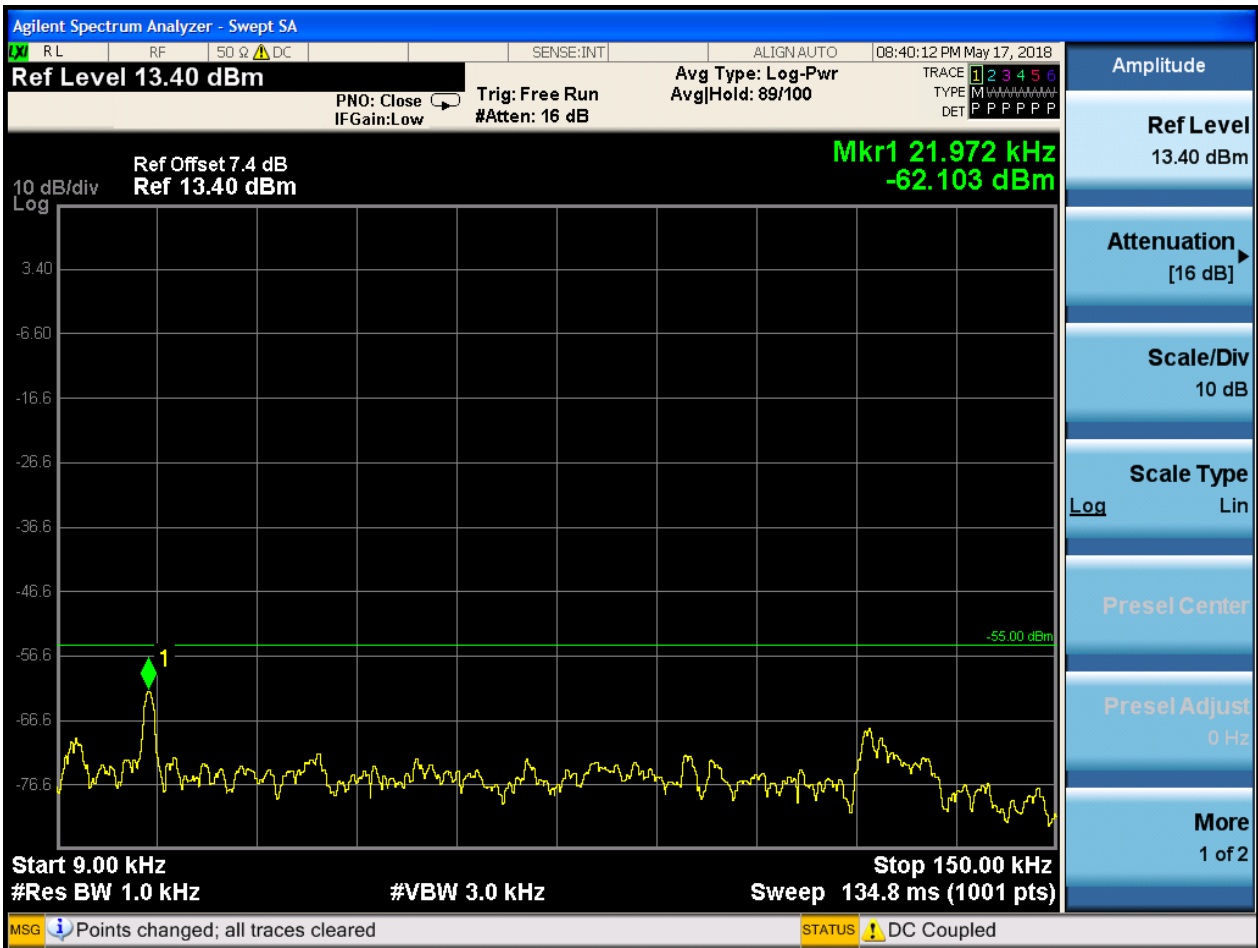


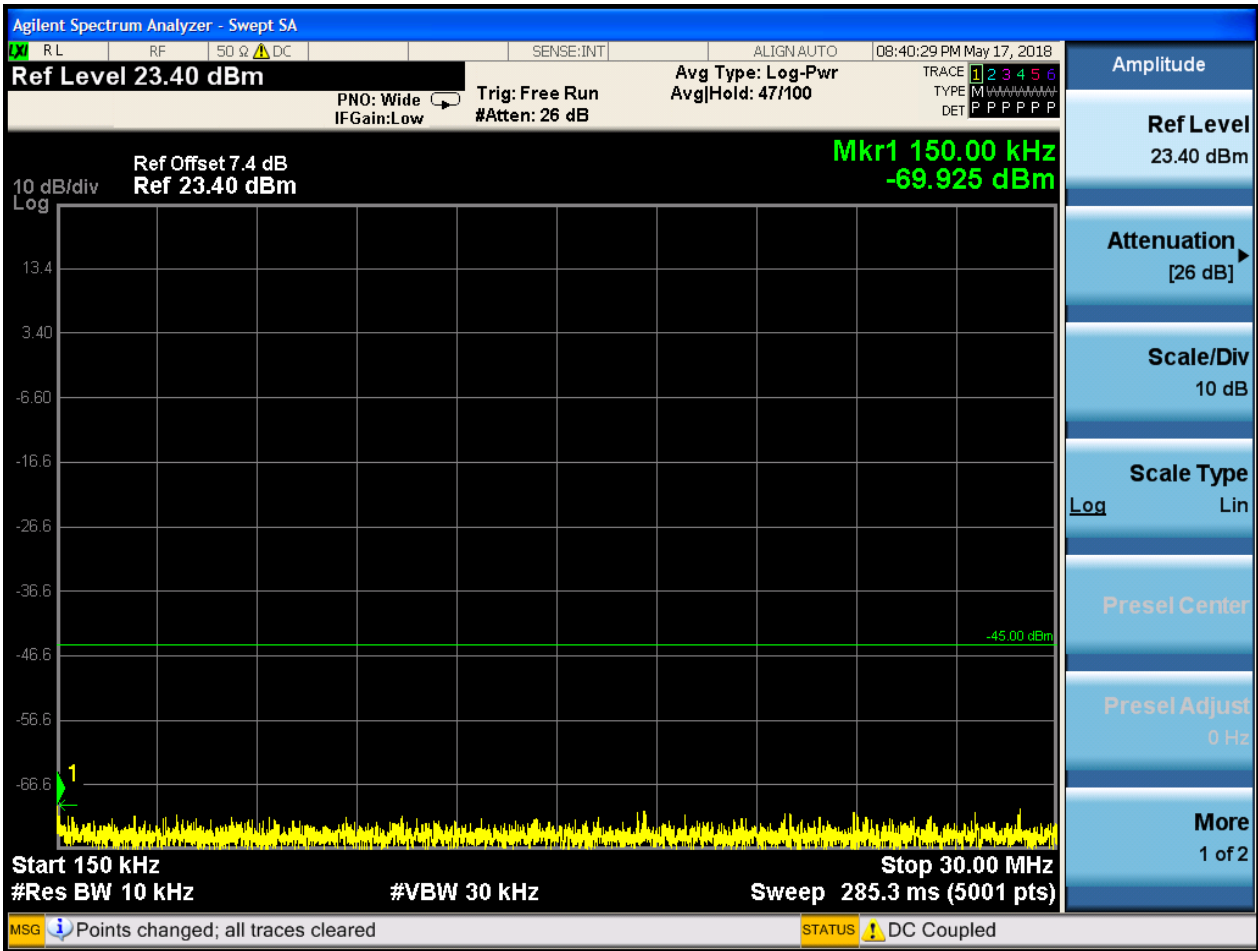


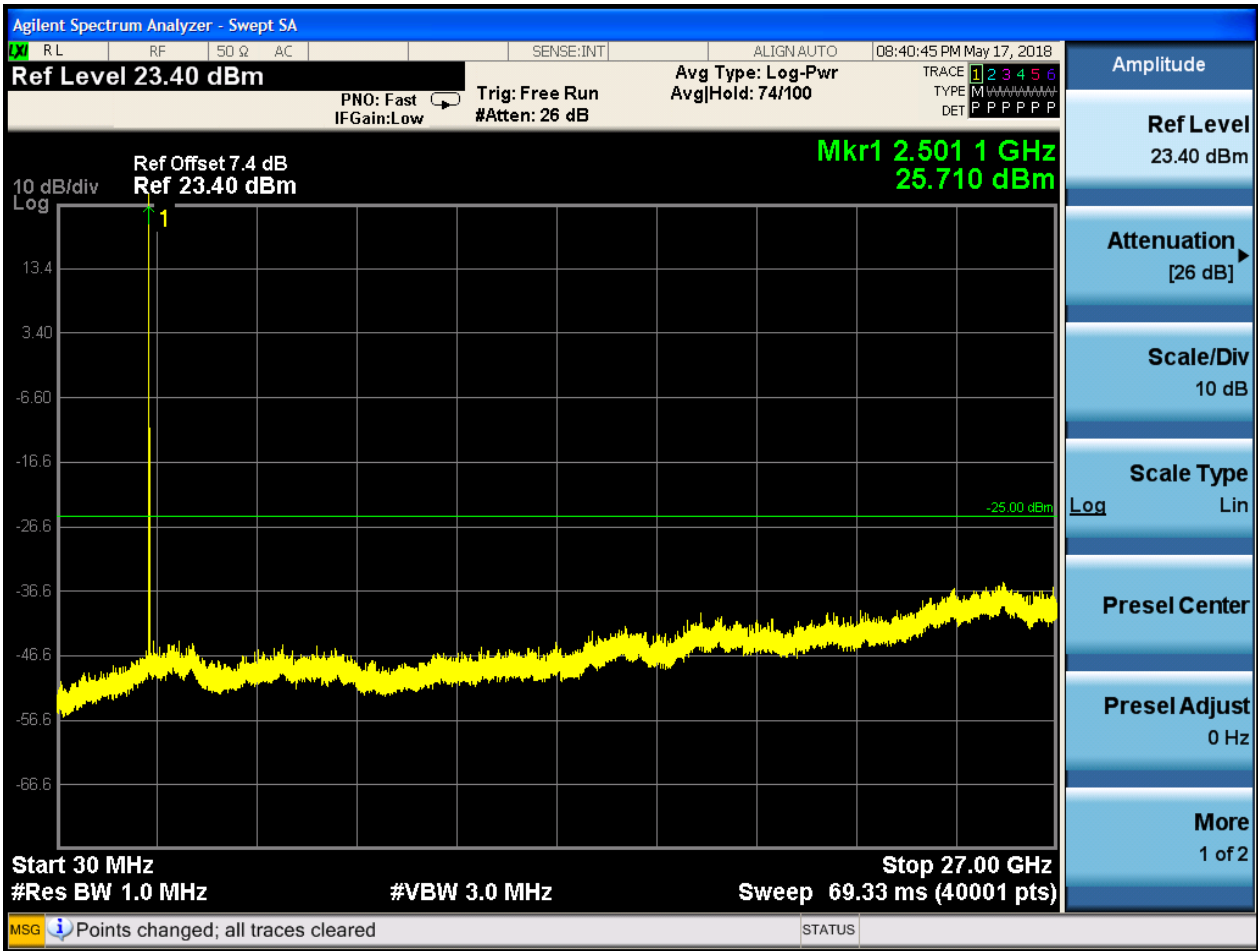
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



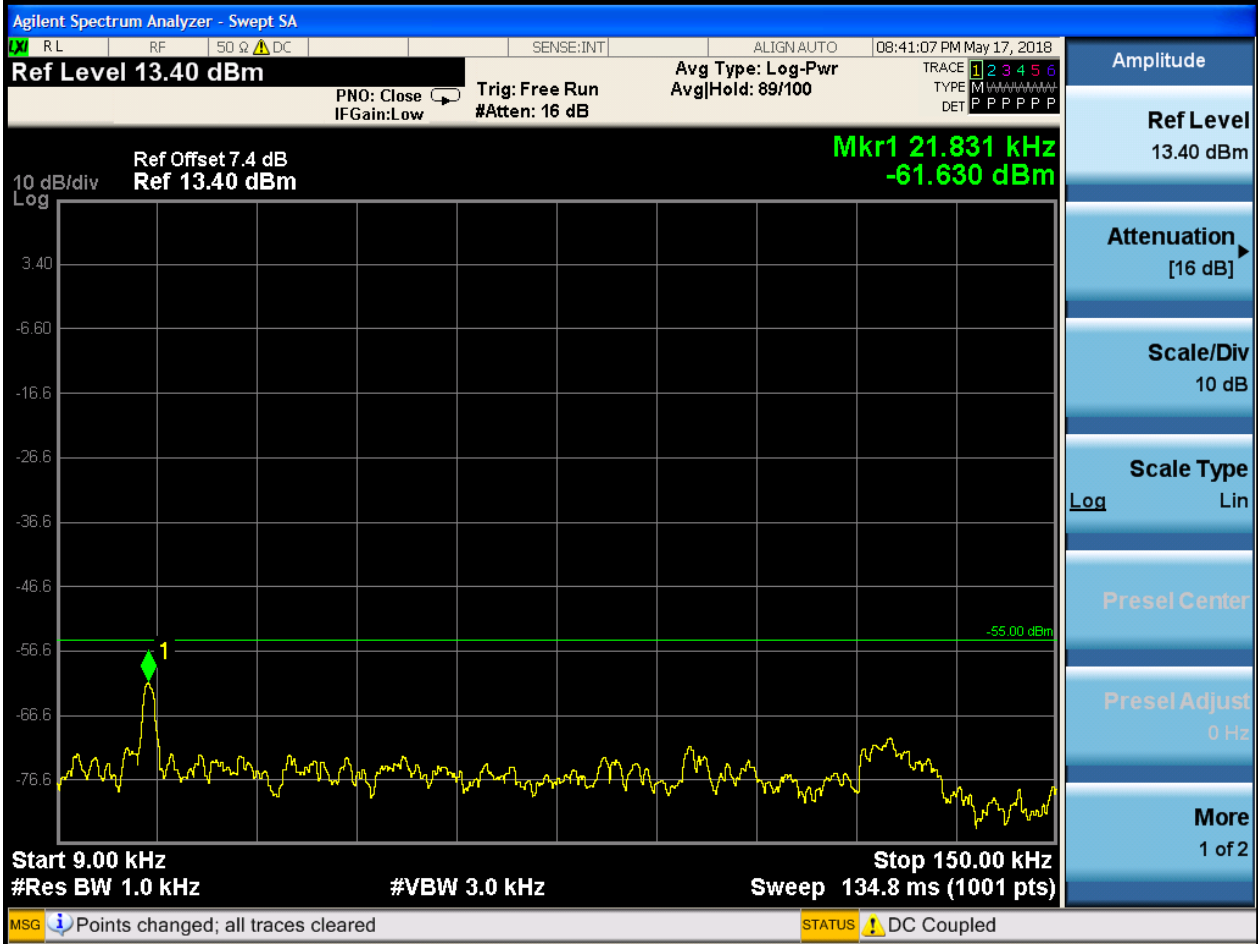


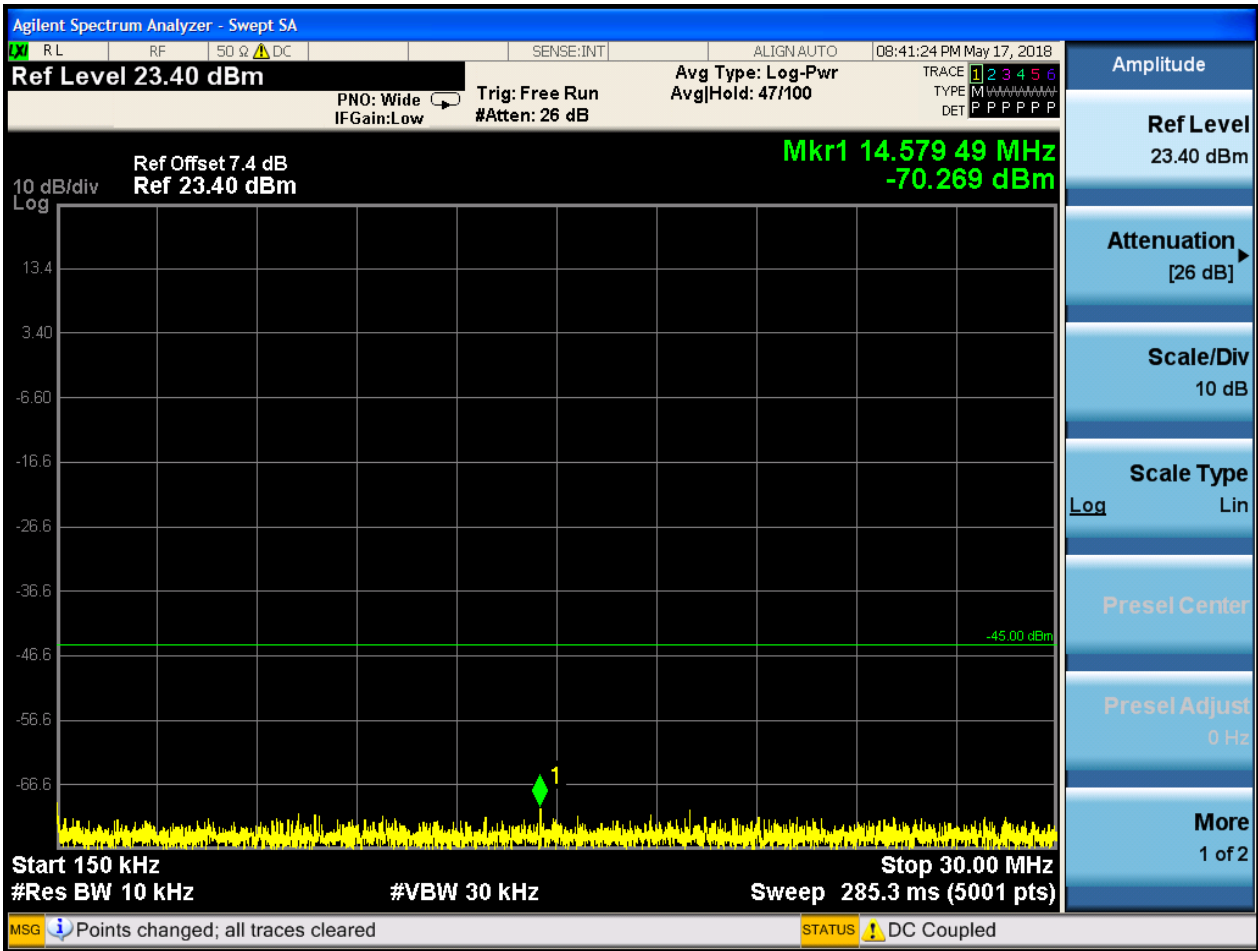


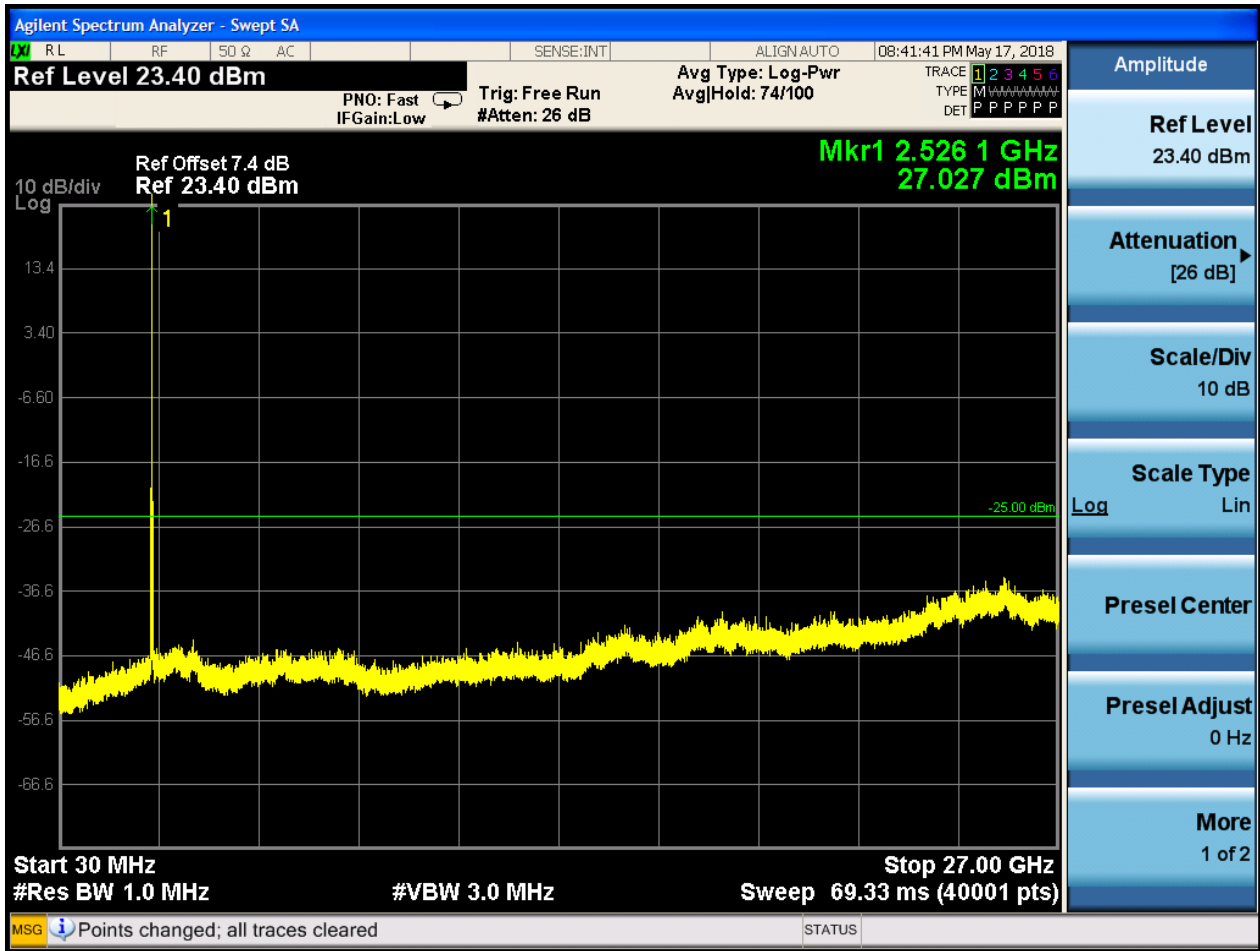


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

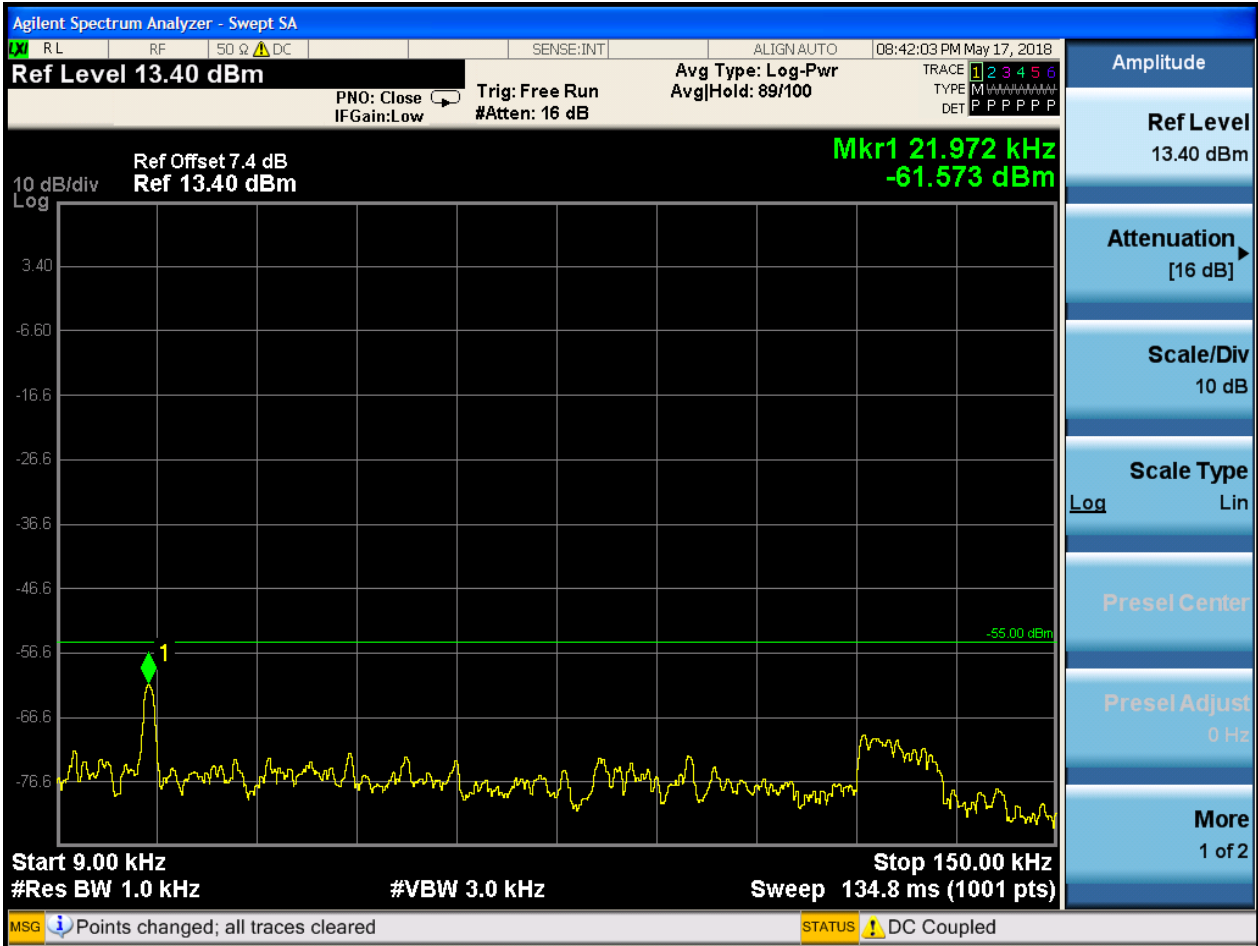


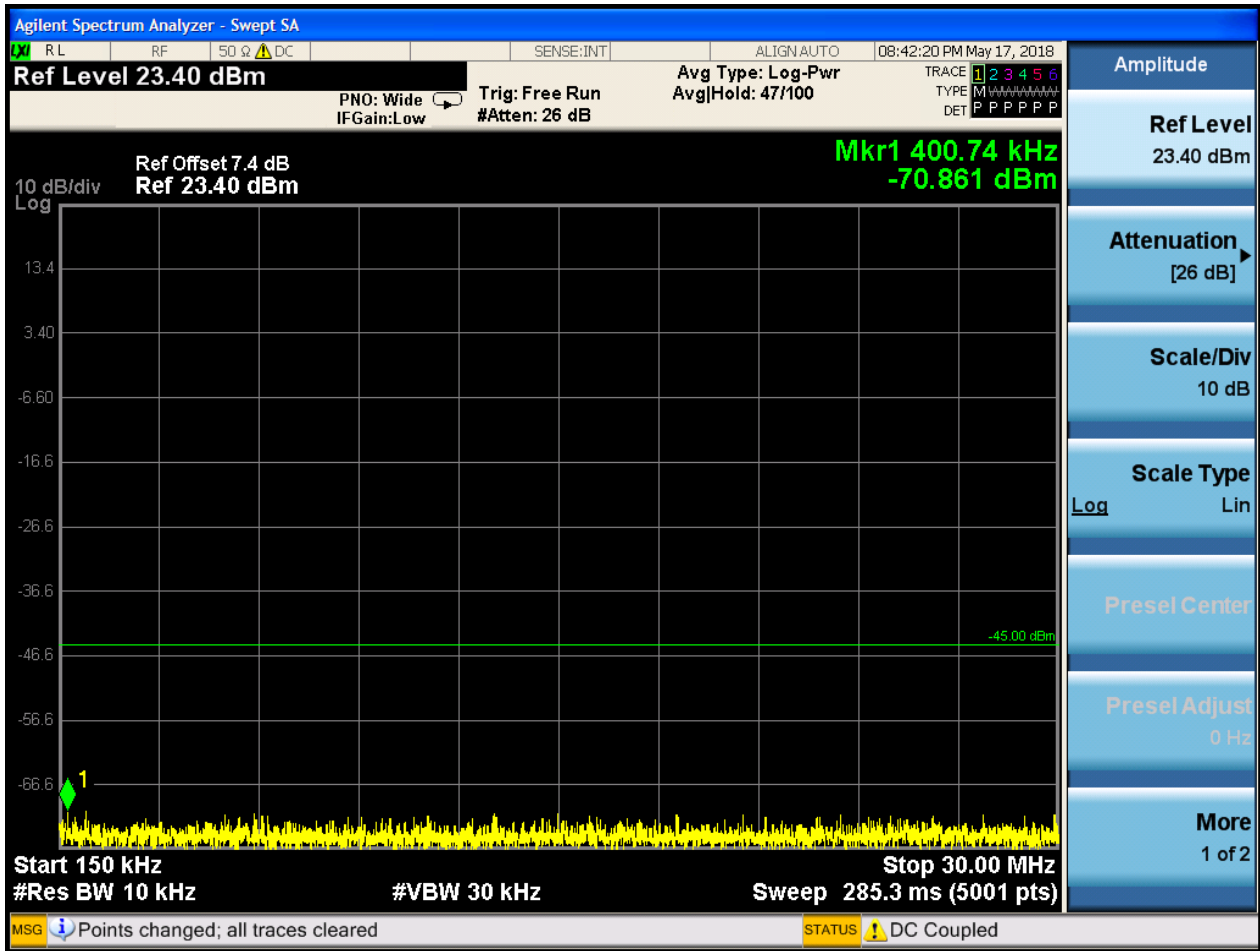


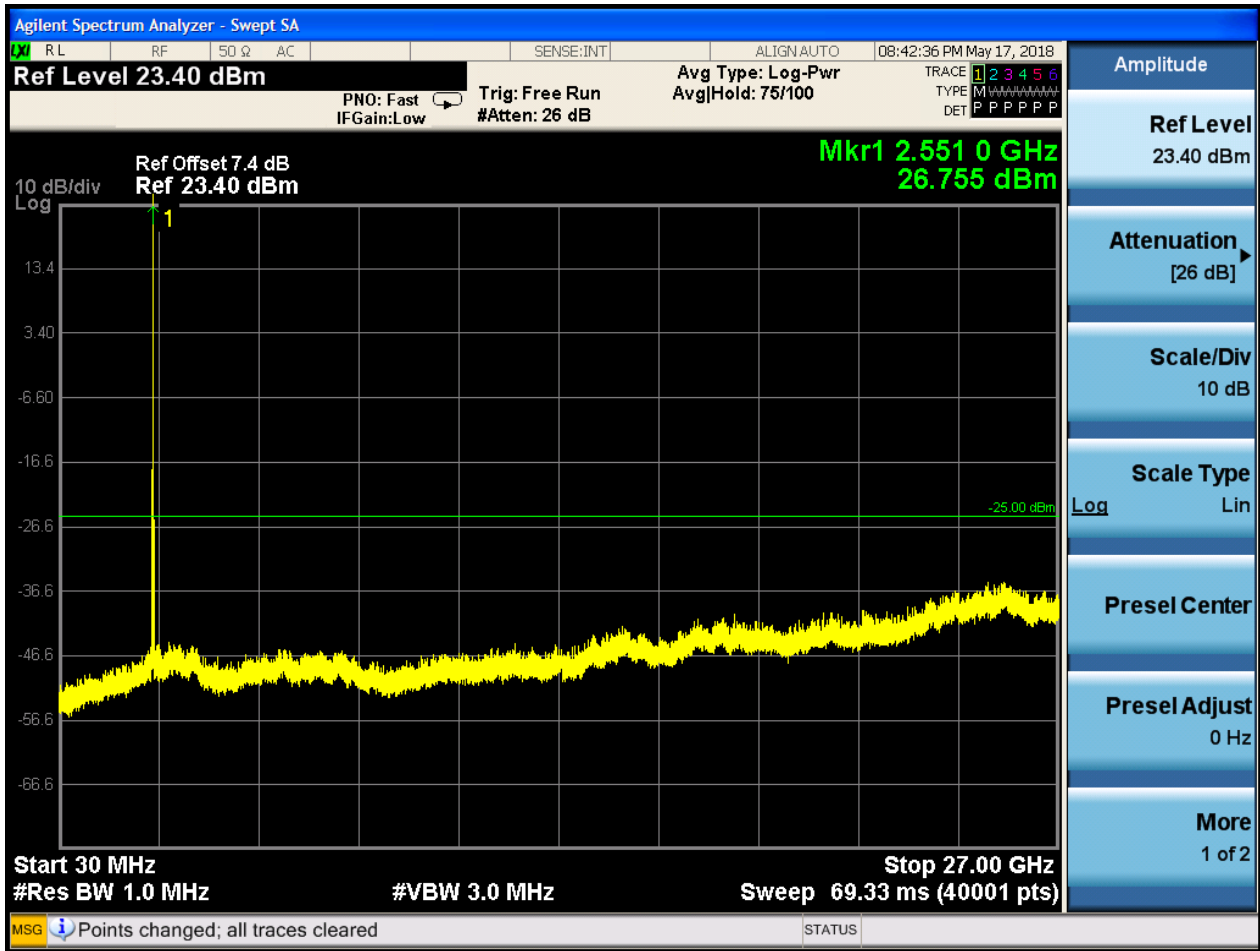


6.1.1.2.4.3 Test Channel = HCH

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.

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

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

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

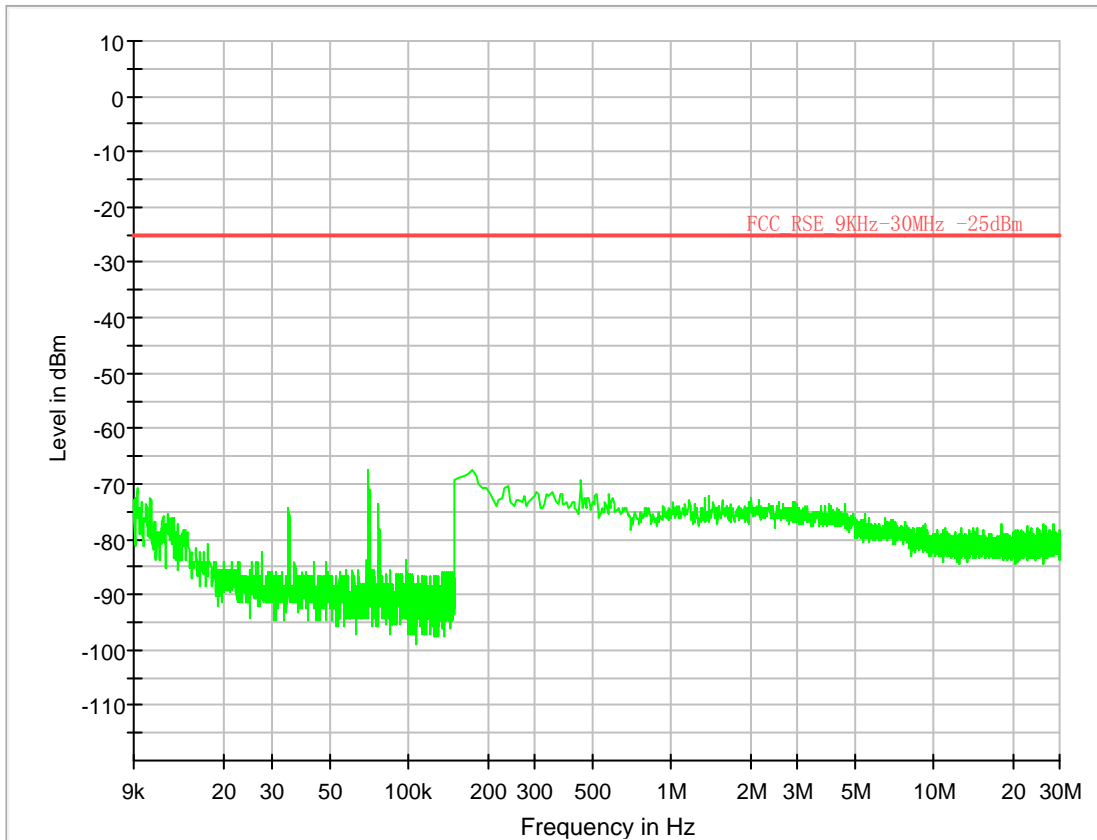
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

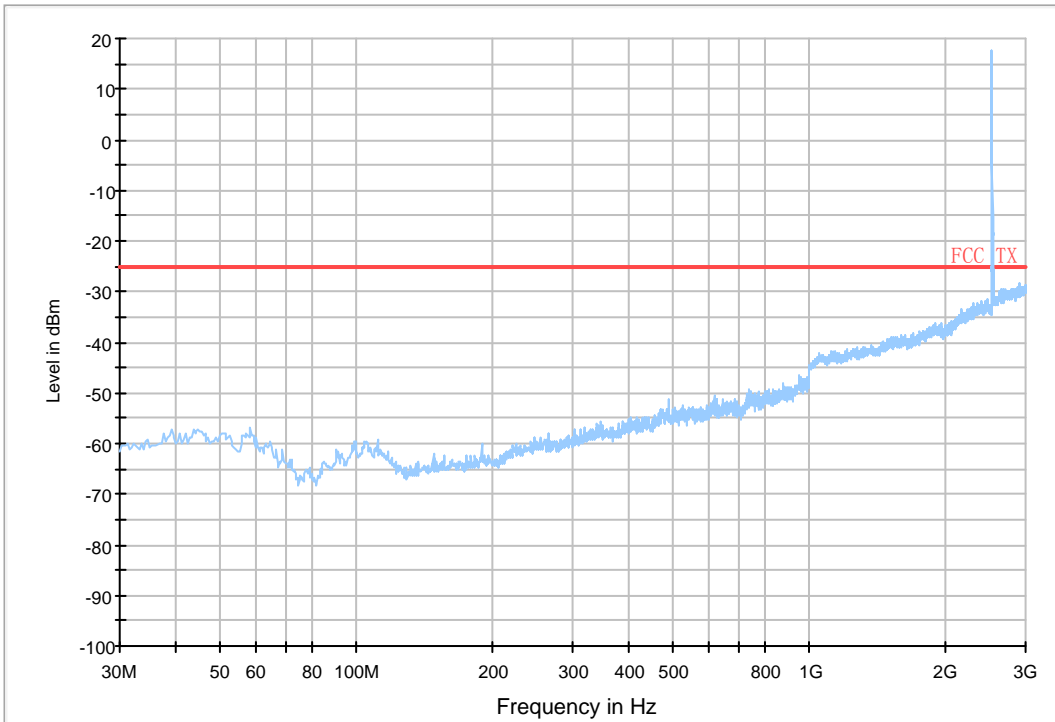
7.1 For LTE

7.1.1 Test Band = BAND7

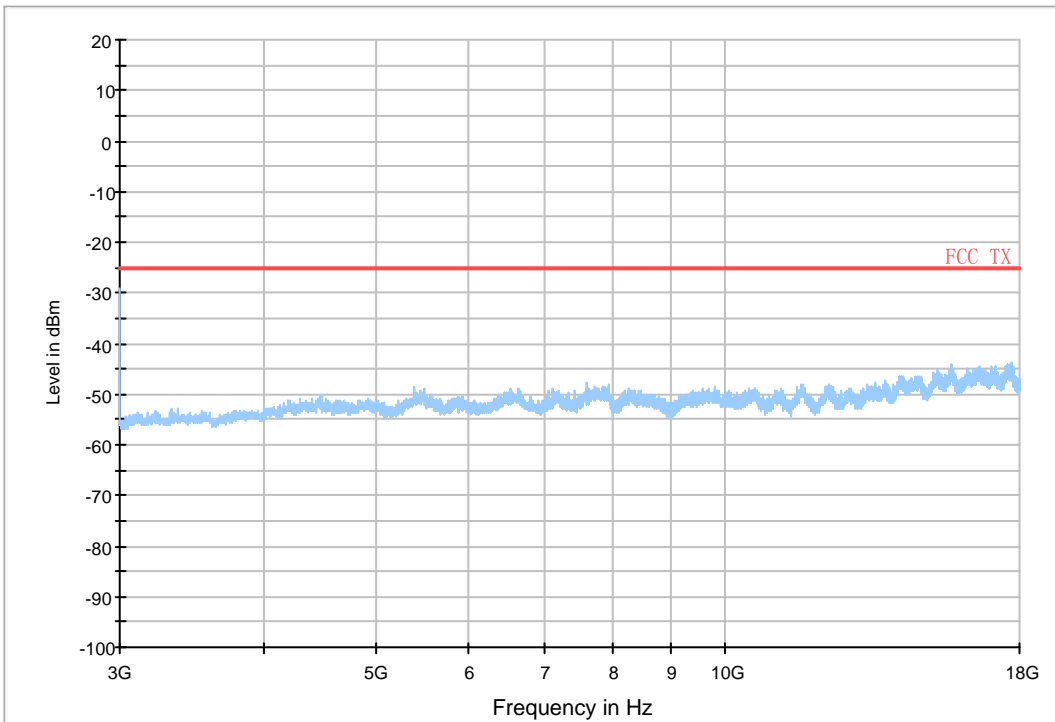
7.1.1.1 Test Bandwidth = 5



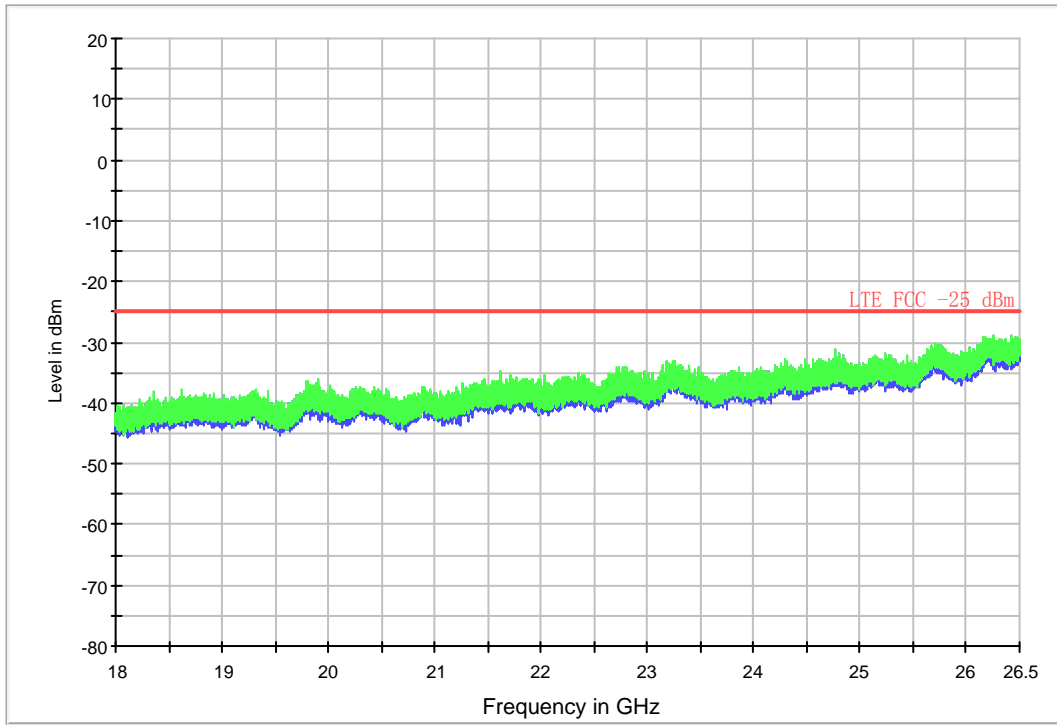
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



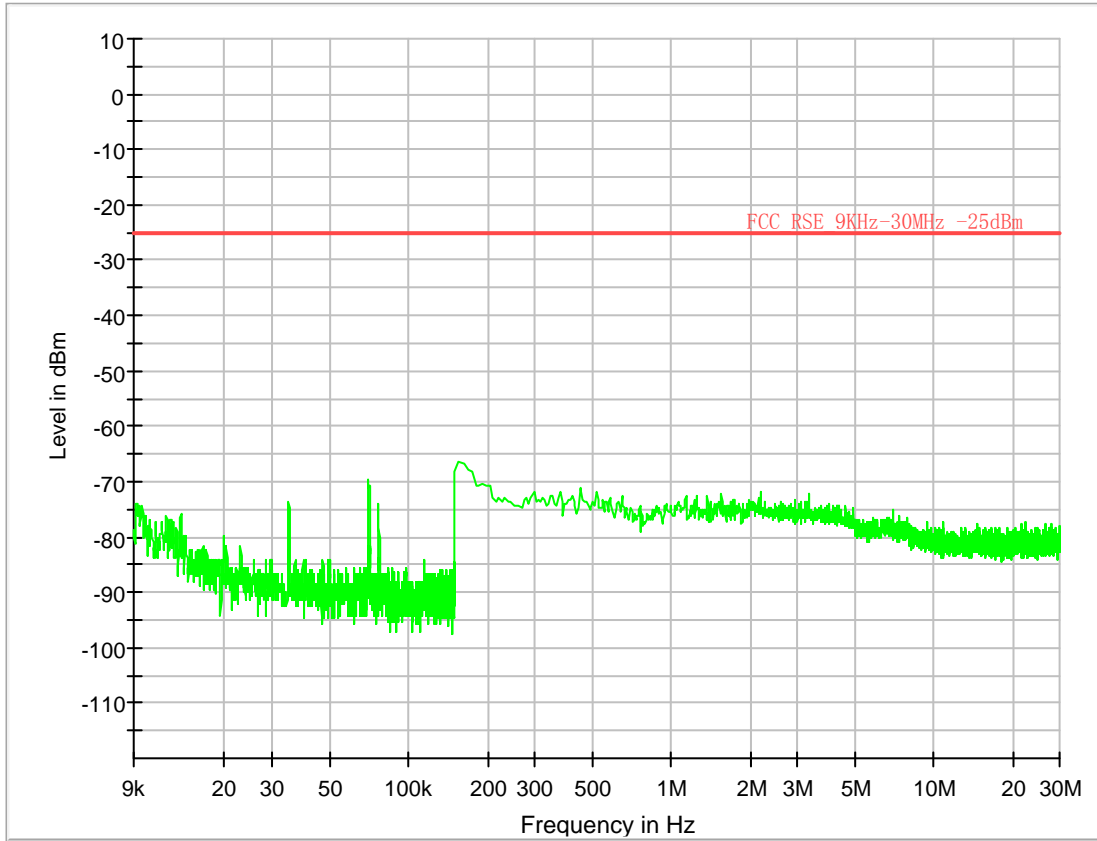
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



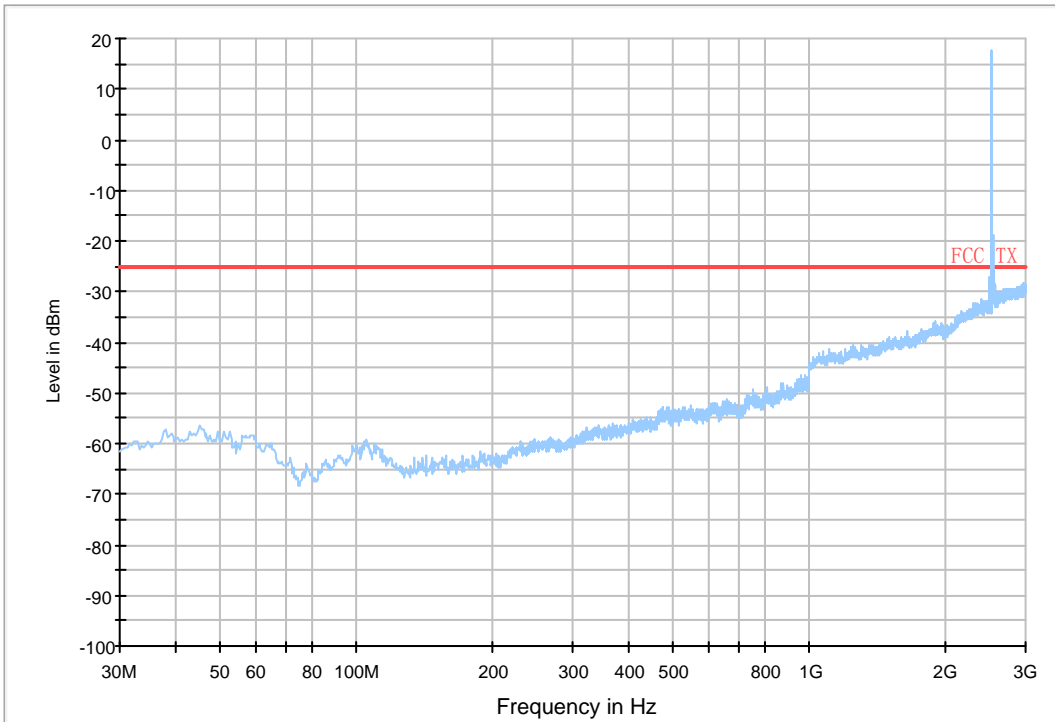
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



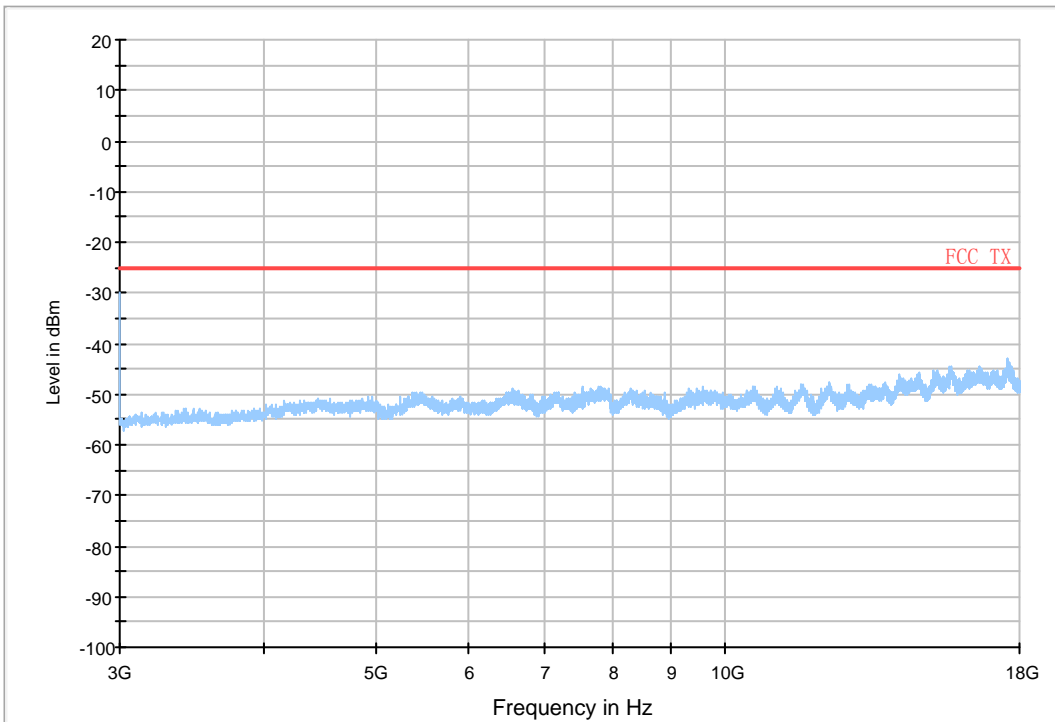
7.1.1.2 Test Bandwidth = 20



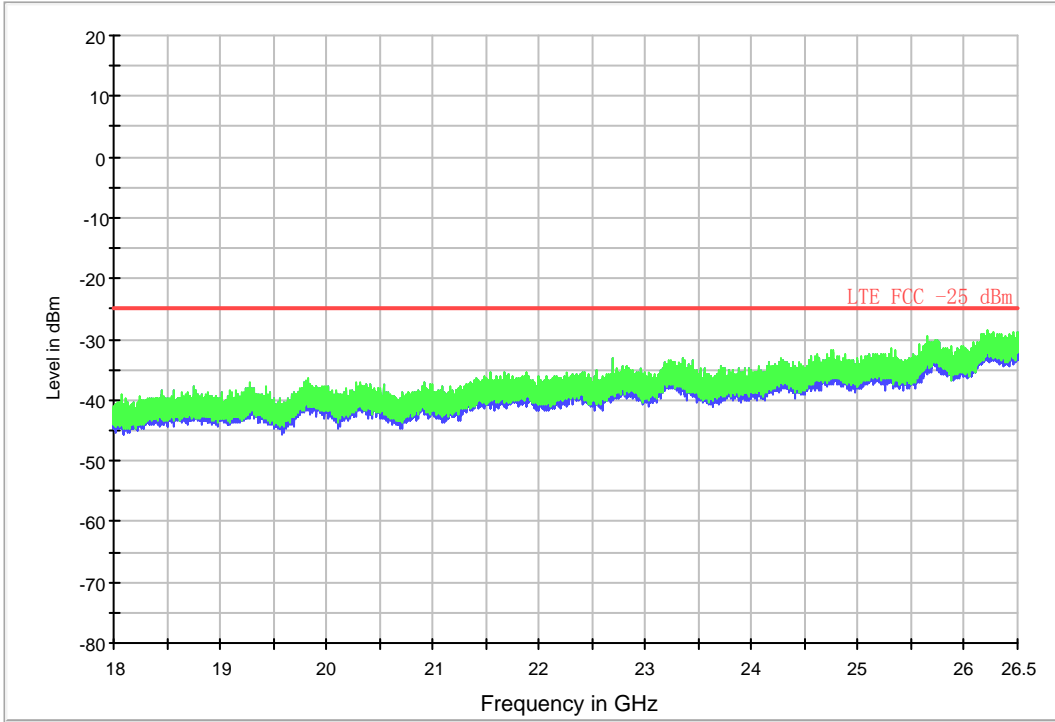
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



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
BAND7	LTE/TM1	5	LCH	TN	VL	0.7	0.00028	PASS
					VN	2.7	0.00108	PASS
					VH	2.56	0.00102	PASS
			MCH	TN	VL	-4.28	-0.00169	PASS
					VN	-4.42	-0.00174	PASS
					VH	-2.98	-0.00118	PASS
			HCH	TN	VL	1.4	0.00055	PASS
					VN	-1.65	-0.00064	PASS
					VH	0.33	0.00013	PASS
		10	LCH	TN	VL	-2.88	-0.00115	PASS
					VN	-3.72	-0.00149	PASS
					VH	-2.96	-0.00118	PASS
			MCH	TN	VL	-3.18	-0.00125	PASS
					VN	-1.92	-0.00076	PASS
					VH	-3.46	-0.00136	PASS
			HCH	TN	VL	-2.86	-0.00112	PASS
					VN	-1.29	-0.0005	PASS
					VH	-2.06	-0.0008	PASS
		15	LCH	TN	VL	-0.43	-0.00017	PASS
					VN	0.54	0.00022	PASS
					VH	0.4	0.00016	PASS
			MCH	TN	VL	-3.95	-0.00156	PASS
					VN	-3.58	-0.00141	PASS
					VH	-3.35	-0.00132	PASS
			HCH	TN	VL	0.76	0.0003	PASS
					VN	1	0.00039	PASS
					VH	1.6	0.00062	PASS
		20	LCH	TN	VL	0.9	0.00036	PASS
					VN	1.14	0.00045	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	MCH	TN	VH	2.5	0.001	PASS
					VL	-3.78	-0.00149	PASS
					VN	-3.88	-0.00153	PASS
			HCH	TN	VH	-1.07	-0.00042	PASS
					VL	-1.2	-0.00047	PASS
					VN	0.34	0.00013	PASS
			LCH	TN	VH	-1.86	-0.00073	PASS
					VL	3.12	0.00125	PASS
					VN	1.34	0.00054	PASS
			MCH	TN	VH	2.12	0.00085	PASS
					VL	-1.66	-0.00065	PASS
					VN	-2.27	-0.0009	PASS
		VH			-3.06	-0.00121	PASS	
		VL			0.19	0.00007	PASS	
		VN			0.89	0.00035	PASS	
		HCH	TN	VH	0.03	0.00001	PASS	
				VL	-1.57	-0.00063	PASS	
				VN	-3.83	-0.00153	PASS	
		MCH	TN	VH	-2.29	-0.00091	PASS	
				VL	-3.93	-0.00155	PASS	
				VN	-3.19	-0.00126	PASS	
				VH	-3.28	-0.00129	PASS	
				VL	-3.18	-0.00124	PASS	
				VN	-4.28	-0.00167	PASS	
		HCH	TN	VH	-4.63	-0.00181	PASS	
				VL	0.74	0.0003	PASS	
				VN	-0.56	-0.00022	PASS	
		MCH	TN	VH	-0.19	-0.00008	PASS	
				VL	-4.31	-0.0017	PASS	
				VN	-4.41	-0.00174	PASS	
				VH	-3.72	-0.00147	PASS	
				VL	1.29	0.0005	PASS	
				VN	0.96	0.00037	PASS	
		HCH	TN	VH	3.55	0.00139	PASS	
				VL	1.87	0.00075	PASS	
				VN	0.64	0.00025	PASS	
		MCH	TN	VH	2.69	0.00107	PASS	
				VL	-4.06	-0.0016	PASS	
				VN	-4.11	-0.00162	PASS	
				VH	-4.11	-0.00162	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-3.3	-0.0013	PASS
			HCH	TN	VL	0.73	0.00029	PASS
					VN	1.17	0.00046	PASS
					VH	-0.39	-0.00015	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	1.69	0.00068	PASS
					-20	3.13	0.00125	PASS
					-10	2.63	0.00105	PASS
					0	1.43	0.00057	PASS
					10	0.53	0.00021	PASS
					20	2.03	0.00081	PASS
					30	3.25	0.0013	PASS
					40	0.79	0.00032	PASS
			50	-0.21	-0.00008	PASS		
			MCH	VN	-30	-2.43	-0.00096	PASS
					-20	-3.56	-0.0014	PASS
					-10	-1.79	-0.00071	PASS
					0	-2.82	-0.00111	PASS
					10	-3.12	-0.00123	PASS
					20	-2.66	-0.00105	PASS
					30	-3.25	-0.00128	PASS
					40	-2.68	-0.00106	PASS
			50	-3.83	-0.00151	PASS		
			HCH	VN	-30	1.69	0.00066	PASS
					-20	-0.4	-0.00016	PASS
					-10	-0.37	-0.00014	PASS
					0	3.6	0.0014	PASS
					10	1.43	0.00056	PASS
					20	1.24	0.00048	PASS
		30			0.34	0.00013	PASS	
		40			0.43	0.00017	PASS	
		50	1.62	0.00063	PASS			
		10	LCH	VN	-30	-3.13	-0.00125	PASS
					-20	-3.18	-0.00127	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15			-10	-4.08	-0.00163	PASS
					0	-4.46	-0.00178	PASS
					10	-2.95	-0.00118	PASS
					20	-4.18	-0.00167	PASS
					30	-3.62	-0.00145	PASS
					40	-4.36	-0.00174	PASS
					50	-2.79	-0.00111	PASS
			MCH	VN	-30	-3.18	-0.00125	PASS
					-20	-3.66	-0.00144	PASS
					-10	-4.08	-0.00161	PASS
					0	-2.89	-0.00114	PASS
					10	-3.59	-0.00142	PASS
					20	-3.43	-0.00135	PASS
					30	-4.49	-0.00177	PASS
					40	-3.13	-0.00123	PASS
			HCH	VN	-30	-4.13	-0.00161	PASS
					-20	-4.92	-0.00192	PASS
					-10	-2.55	-0.00099	PASS
					0	-3.36	-0.00131	PASS
					10	-3.03	-0.00118	PASS
					20	-5.12	-0.002	PASS
					30	-3.78	-0.00147	PASS
					40	-0.74	-0.00029	PASS
			LCH	VN	-30	0.82	0.00033	PASS
					-20	-0.1	-0.00004	PASS
					-10	-0.6	-0.00024	PASS
					0	-1.54	-0.00061	PASS
					10	-1.73	-0.00069	PASS
					20	-0.79	-0.00032	PASS
					30	4.94	0.00197	PASS
					40	-0.41	-0.00016	PASS
					50	0.51	0.0002	PASS
			MCH	VN	-30	-3.68	-0.00145	PASS
					-20	-3.75	-0.00148	PASS
					-10	-3.03	-0.0012	PASS
					0	-4.22	-0.00166	PASS
					10	-2.26	-0.00089	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-2.19	-0.00086	PASS		
					30	-1.77	-0.0007	PASS		
					40	-3.81	-0.0015	PASS		
					50	-4.21	-0.00166	PASS		
			HCH	VN	-30	0.79	0.00031	PASS		
					-20	1.8	0.0007	PASS		
					-10	2.45	0.00096	PASS		
					0	0.79	0.00031	PASS		
					10	0.47	0.00018	PASS		
					20	2.63	0.00103	PASS		
					30	0.24	0.00009	PASS		
					40	1.26	0.00049	PASS		
					50	4.12	0.00161	PASS		
					LCH	VN	-30	2.43	0.00097	PASS
							-20	2.43	0.00097	PASS
							-10	1.77	0.00071	PASS
			0	1.53			0.00061	PASS		
			10	0.92			0.00037	PASS		
			20	2.52			0.001	PASS		
			30	-0.37			-0.00015	PASS		
		40	1.43	0.00057			PASS			
		MCH	VN	50	1.44	0.00057	PASS			
				-30	-4.61	-0.00182	PASS			
				-20	-3.98	-0.00157	PASS			
				-10	-3.73	-0.00147	PASS			
				0	-3.72	-0.00147	PASS			
				10	-3.19	-0.00126	PASS			
				20	-3.6	-0.00142	PASS			
				30	-3.1	-0.00122	PASS			
		HCH	VN	40	-5.56	-0.00219	PASS			
				50	-1.59	-0.00063	PASS			
				-30	-1.03	-0.0004	PASS			
				-20	-0.26	-0.0001	PASS			
				-10	-0.69	-0.00027	PASS			
				0	1.16	0.00045	PASS			
				10	-0.36	-0.00014	PASS			
				20	0.09	0.00004	PASS			
		30	0.01	0	PASS					
		40	0.26	0.0001	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	50	0.07	0.00003	PASS
					-30	1.04	0.00042	PASS
					-20	0.79	0.00032	PASS
					-10	2.07	0.00083	PASS
					0	2.56	0.00102	PASS
					10	1.1	0.00044	PASS
					20	0.53	0.00021	PASS
					30	1.79	0.00072	PASS
					40	3.23	0.00129	PASS
					50	2.69	0.00107	PASS
			MCH	VN	-30	-3.28	-0.00129	PASS
					-20	-2.35	-0.00093	PASS
					-10	-3.4	-0.00134	PASS
					0	-3.62	-0.00143	PASS
					10	-2.52	-0.00099	PASS
					20	-2.96	-0.00117	PASS
					30	-3.89	-0.00153	PASS
					40	-3.2	-0.00126	PASS
					50	-2.25	-0.00089	PASS
					HCH	VN	-30	-1.09
		-20	-1.72	-0.00067			PASS	
		-10	-3.06	-0.00119			PASS	
		0	0.72	0.00028			PASS	
		10	1.12	0.00044			PASS	
		20	0.1	0.00004			PASS	
		30	2.19	0.00085			PASS	
		40	-1.29	-0.0005			PASS	
		50	0.97	0.00038			PASS	
		10	LCH	VN			-30	-2.27
					-20	-3.92	-0.00156	PASS
					-10	-2.47	-0.00099	PASS
					0	-2.99	-0.00119	PASS
					10	-3.91	-0.00156	PASS
					20	-4.41	-0.00176	PASS
					30	-2.88	-0.00115	PASS
					40	-3.3	-0.00132	PASS
					50	-3.12	-0.00125	PASS
					MCH	VN	-30	-3.4
		-20	-4.68	-0.00185			PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-10	-2.5	-0.00099	PASS	
					0	-2.25	-0.00089	PASS	
					10	-1.77	-0.0007	PASS	
					20	-5.49	-0.00217	PASS	
					30	-1.27	-0.0005	PASS	
					40	-3.89	-0.00153	PASS	
					50	-5.02	-0.00198	PASS	
			HCH	VN	-30	-3.49	-0.00136	PASS	
					-20	-2.92	-0.00114	PASS	
					-10	-4.02	-0.00157	PASS	
					0	-2.43	-0.00095	PASS	
					10	-4.79	-0.00187	PASS	
					20	-4.28	-0.00167	PASS	
					30	-3.23	-0.00126	PASS	
					40	-4.68	-0.00182	PASS	
			15	LCH	VN	-30	-1.2	-0.00048	PASS
						-20	-1.04	-0.00041	PASS
						-10	-0.5	-0.0002	PASS
						0	-1.56	-0.00062	PASS
						10	2.99	0.00119	PASS
						20	-1.32	-0.00053	PASS
		30				5.31	0.00212	PASS	
		40				-0.06	-0.00002	PASS	
		MCH		VN	-30	-2.93	-0.00116	PASS	
					-20	-2.46	-0.00097	PASS	
					-10	-5.02	-0.00198	PASS	
					0	-4.31	-0.0017	PASS	
					10	-3.95	-0.00156	PASS	
					20	-4.99	-0.00197	PASS	
					30	-6.08	-0.0024	PASS	
					40	-2.46	-0.00097	PASS	
		HCH	VN	-30	1.53	0.0006	PASS		
				-20	1.27	0.0005	PASS		
				-10	1.09	0.00043	PASS		
				0	2.29	0.00089	PASS		
				10	2.12	0.00083	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	1.39	0.00054	PASS
					30	0.34	0.00013	PASS
					40	1.7	0.00066	PASS
					50	1.4	0.00055	PASS
		20	LCH	VN	-30	0.26	0.0001	PASS
					-20	0.57	0.00023	PASS
					-10	4.31	0.00172	PASS
					0	2.05	0.00082	PASS
					10	2.26	0.0009	PASS
					20	2.52	0.001	PASS
					30	2.75	0.0011	PASS
					40	0.59	0.00024	PASS
					50	2.6	0.00104	PASS
					MCH	VN	-30	-1.46
			-20	-4.33			-0.00171	PASS
			-10	-3.68			-0.00145	PASS
			0	-2.07			-0.00082	PASS
			10	-3.75			-0.00148	PASS
			20	-5.68			-0.00224	PASS
			30	-5.46			-0.00215	PASS
			40	-2.62			-0.00103	PASS
			HCH	VN	-30	-1.6	-0.00063	PASS
					-20	0.69	0.00027	PASS
					-10	0.72	0.00028	PASS
		0			-0.67	-0.00026	PASS	
		10			-0.96	-0.00038	PASS	
		20			0.72	0.00028	PASS	
		30			1.13	0.00044	PASS	
		40			0.16	0.00006	PASS	
		50	-0.2	-0.00008	PASS			

END