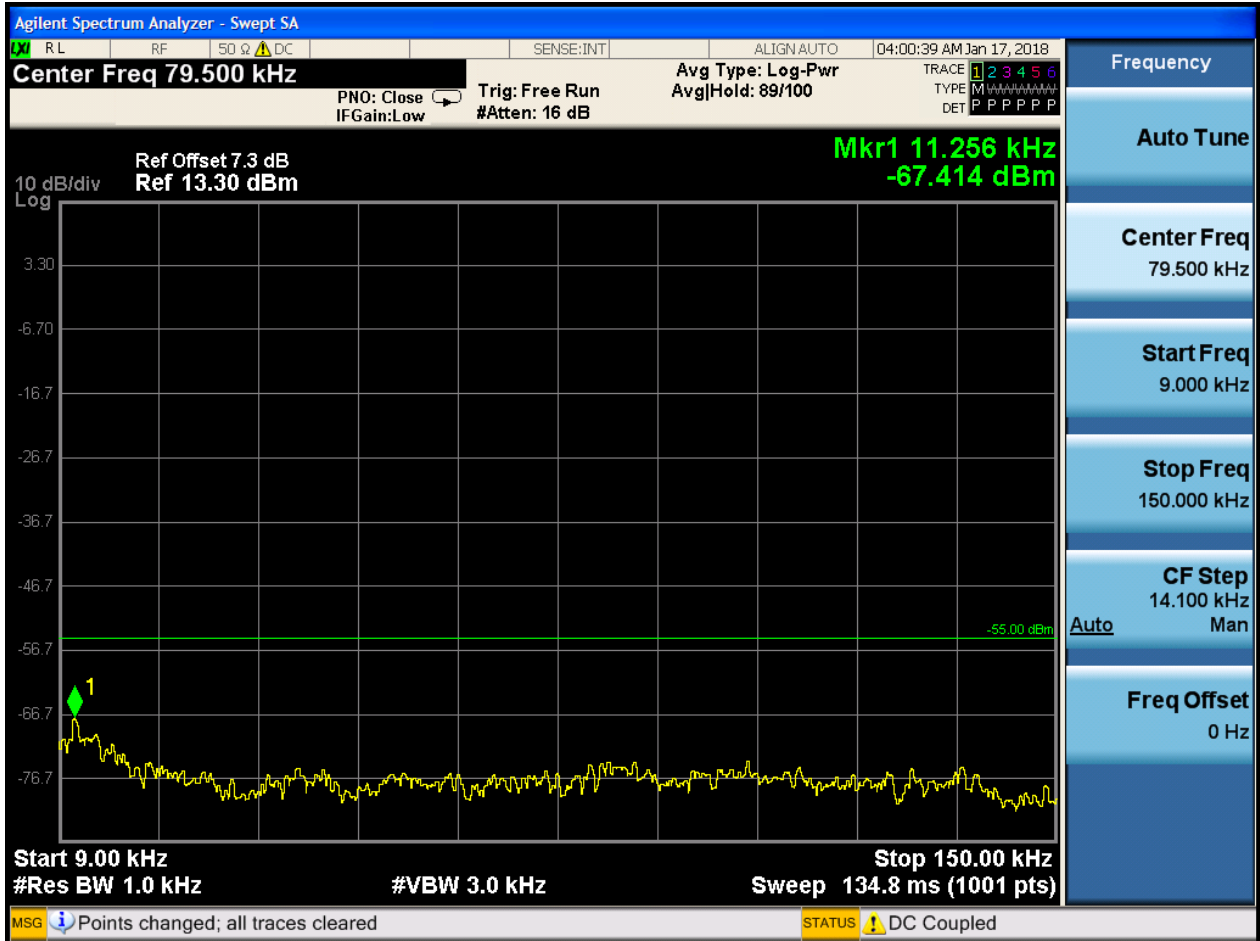
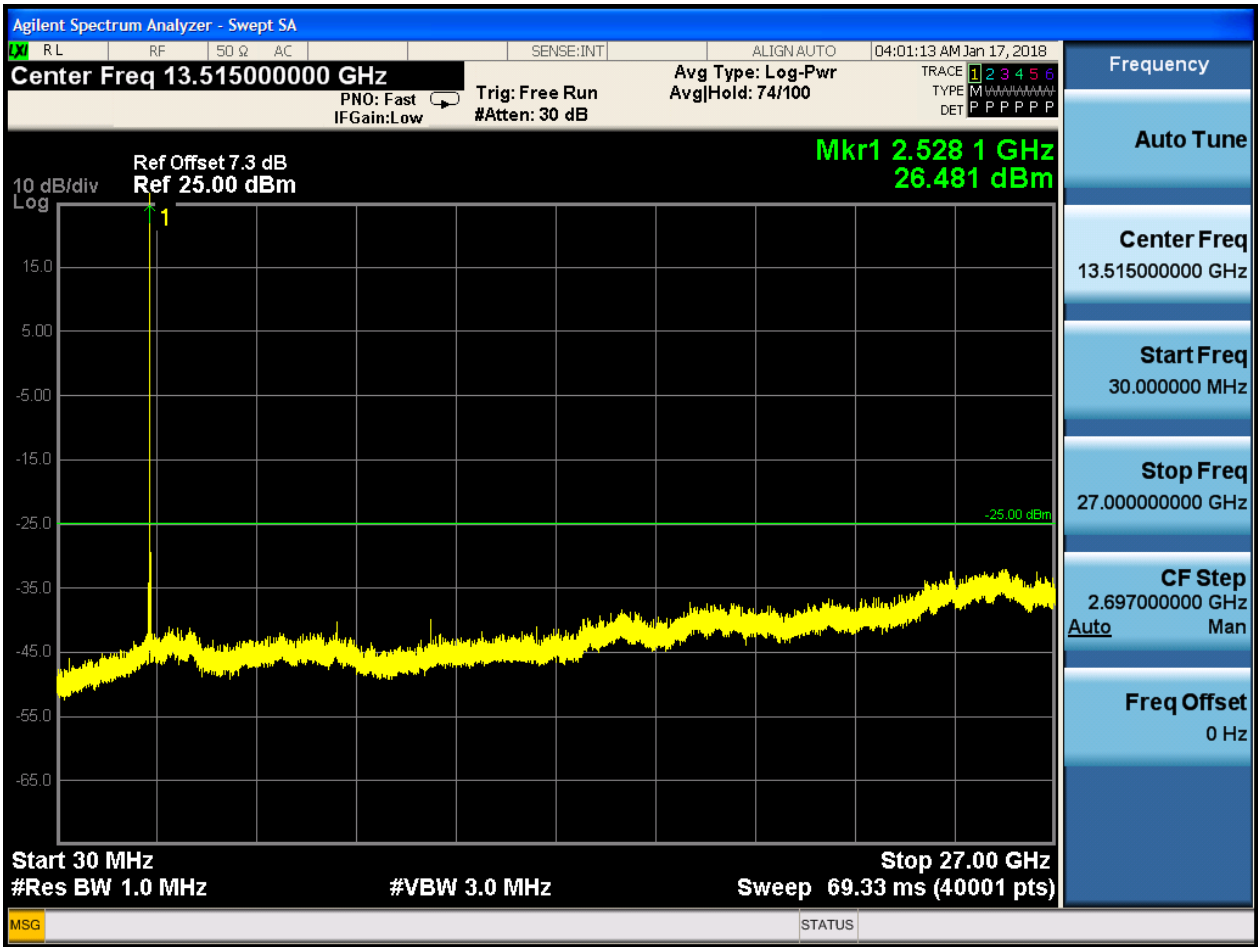




6.1.1.1.3.2 Test Channel = MCH

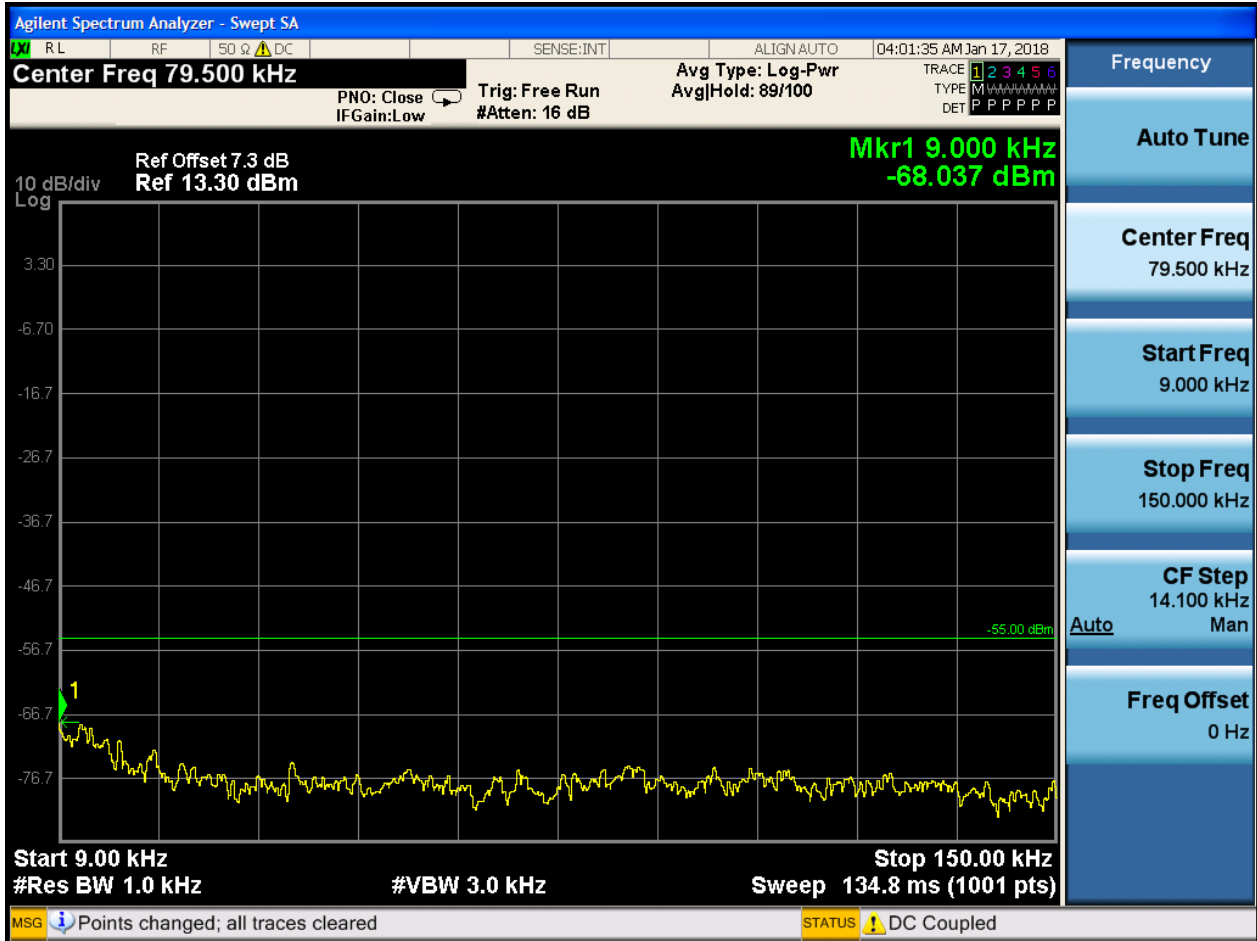
6.1.1.1.3.2.1 Test RB = RB1#0

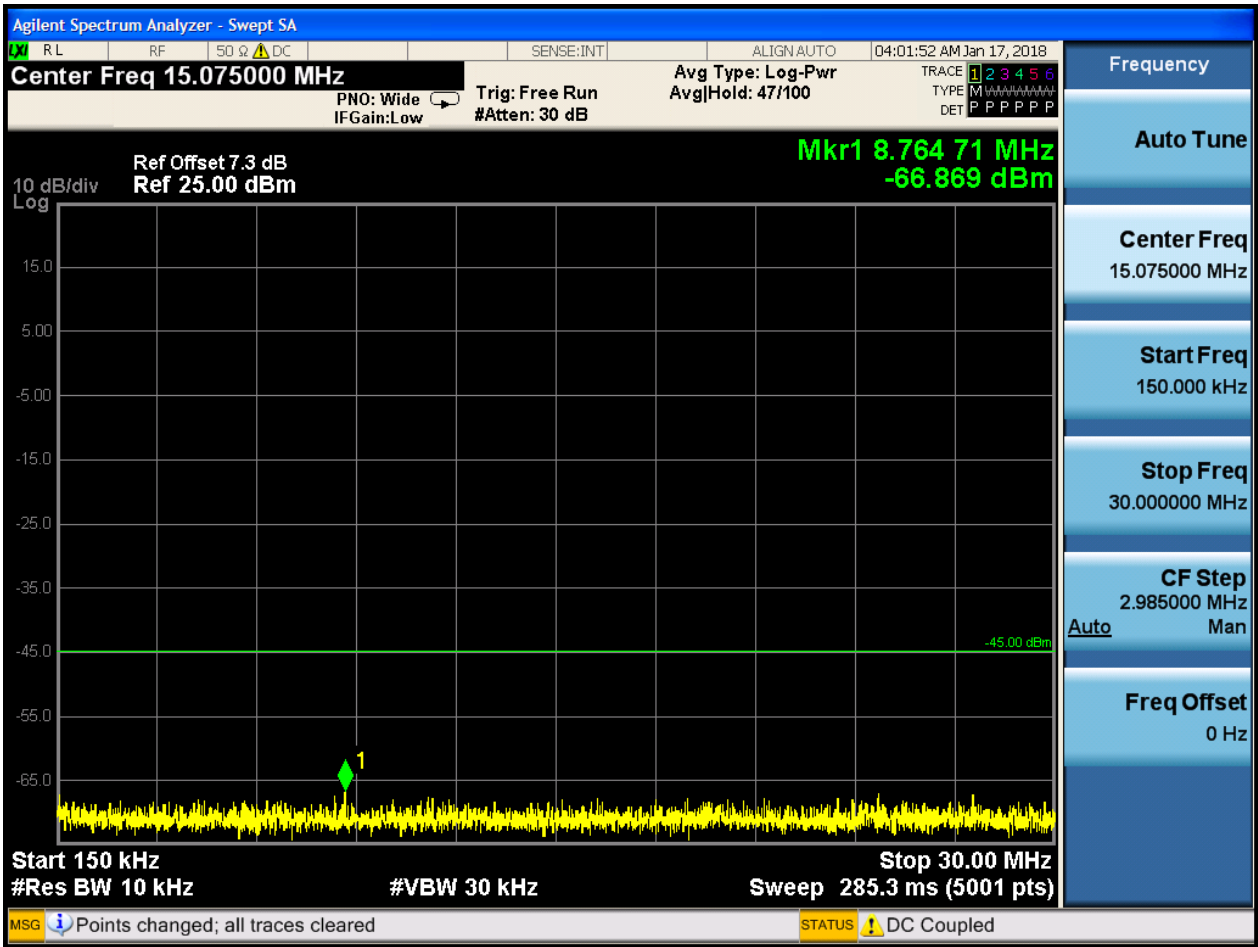


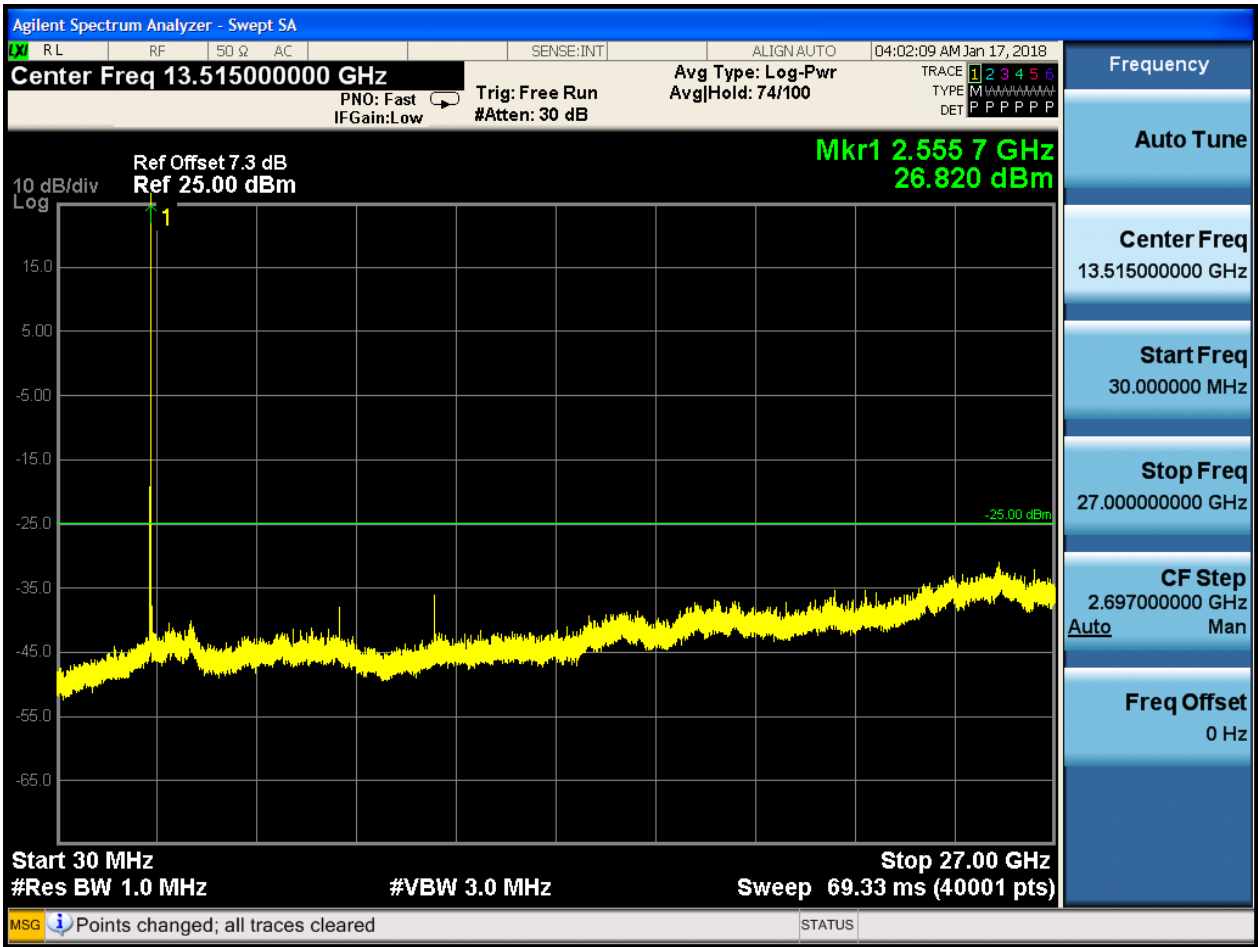


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





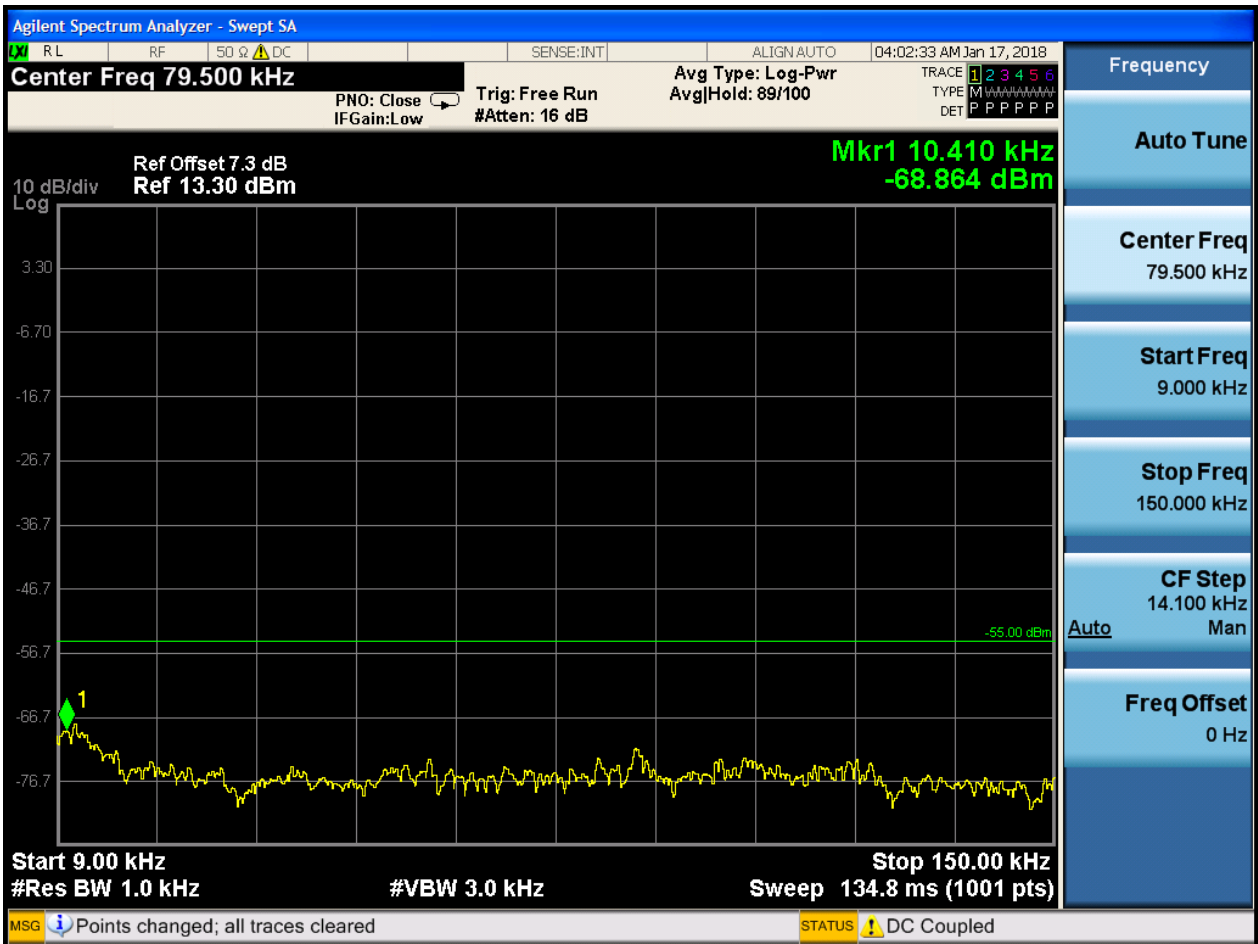


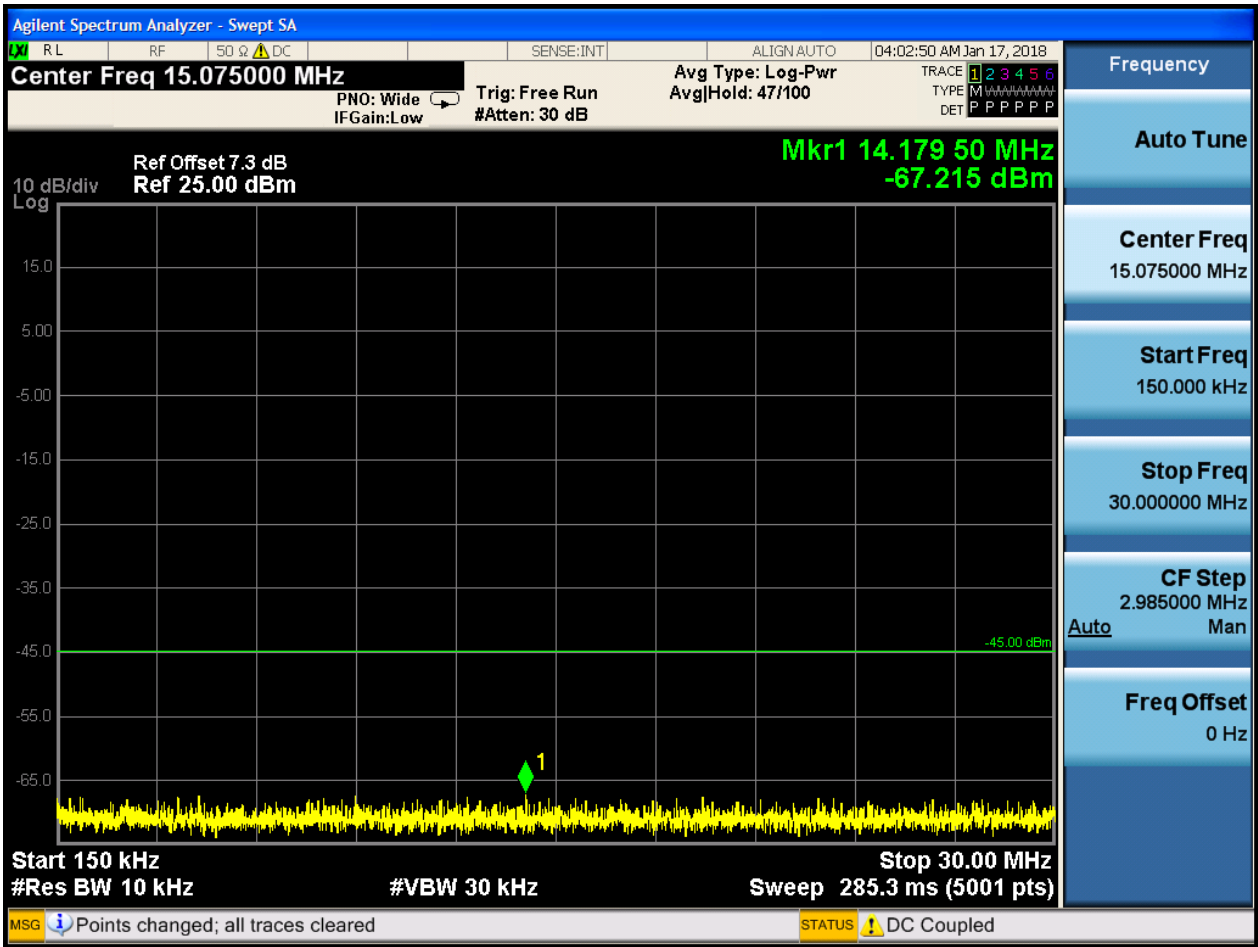


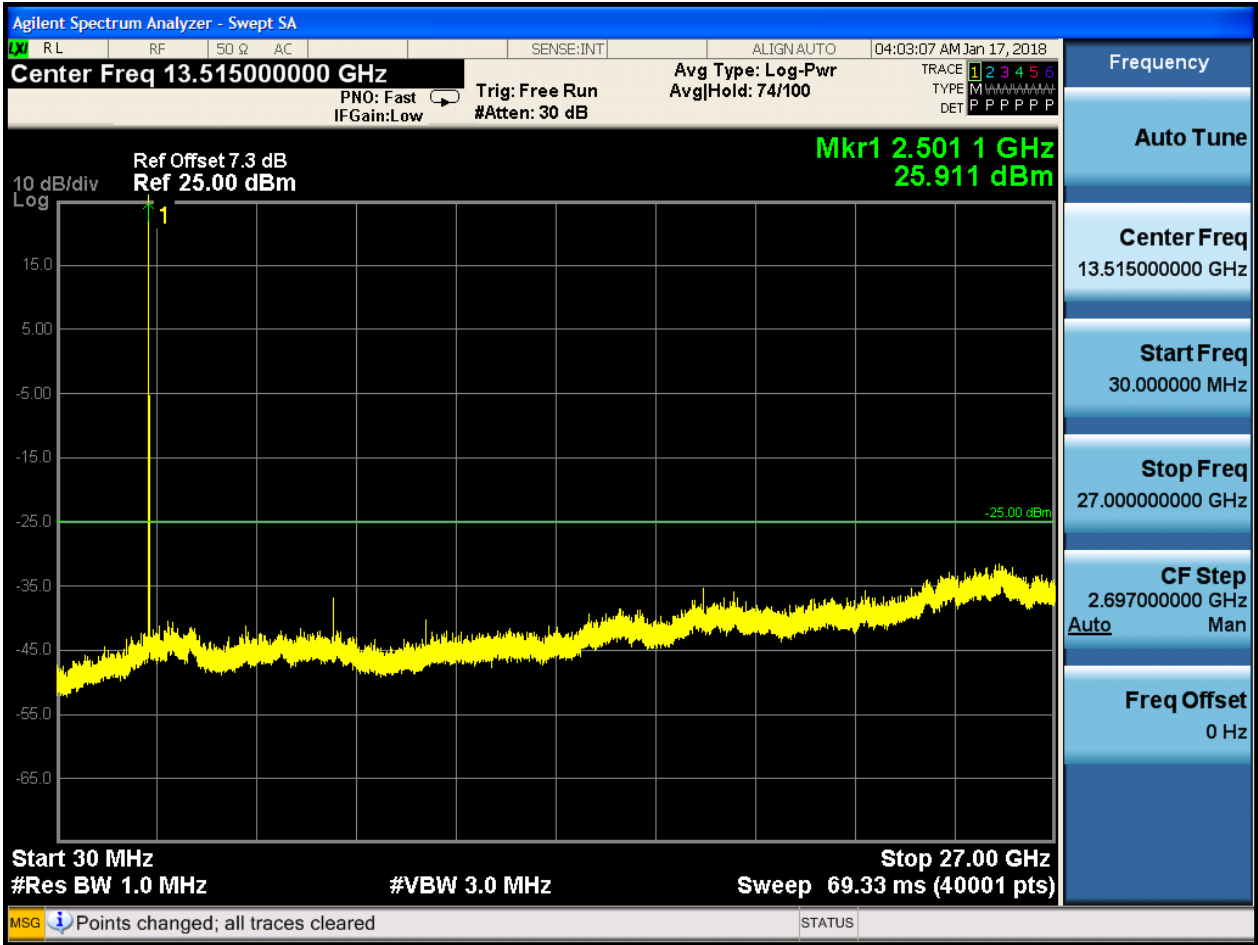
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



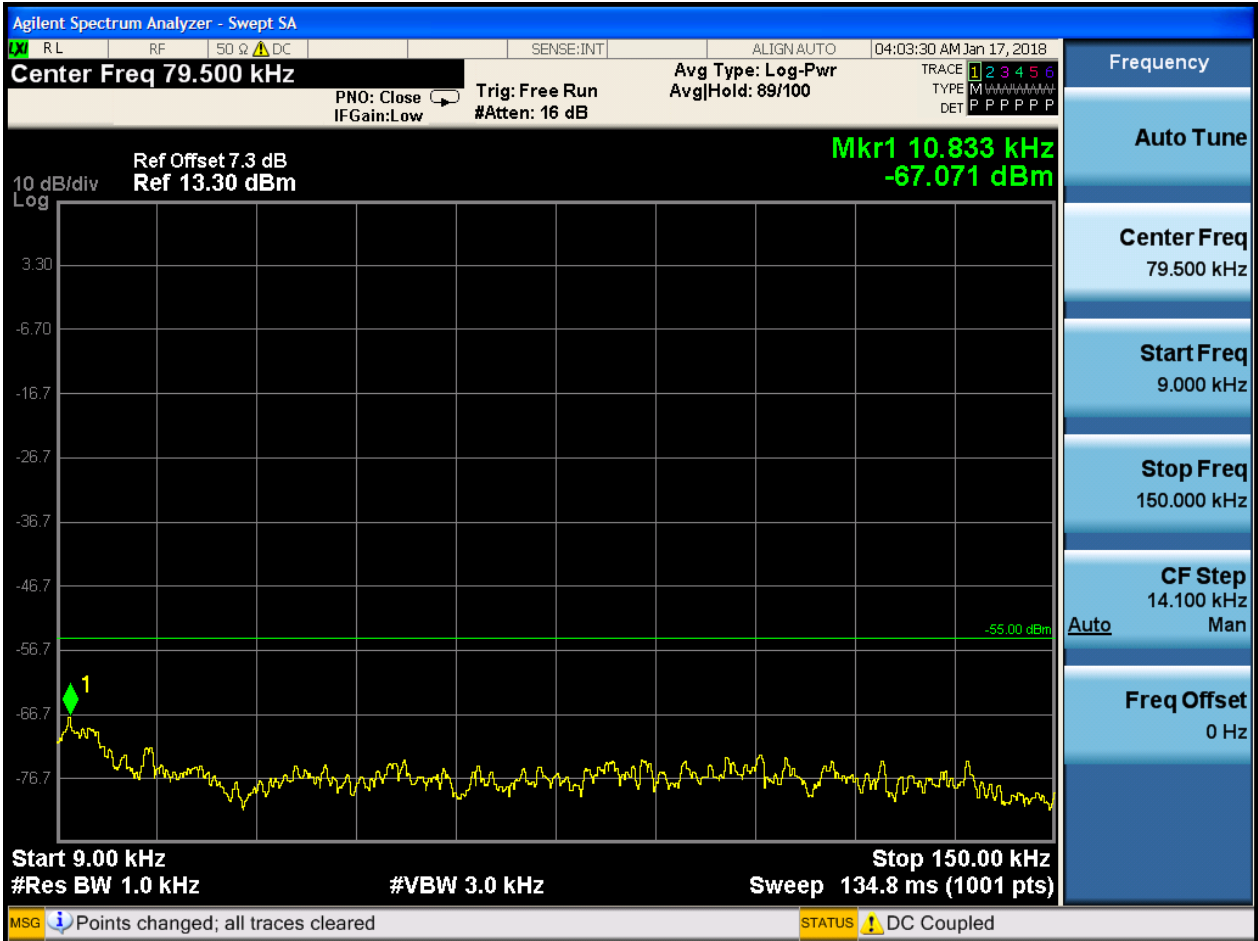


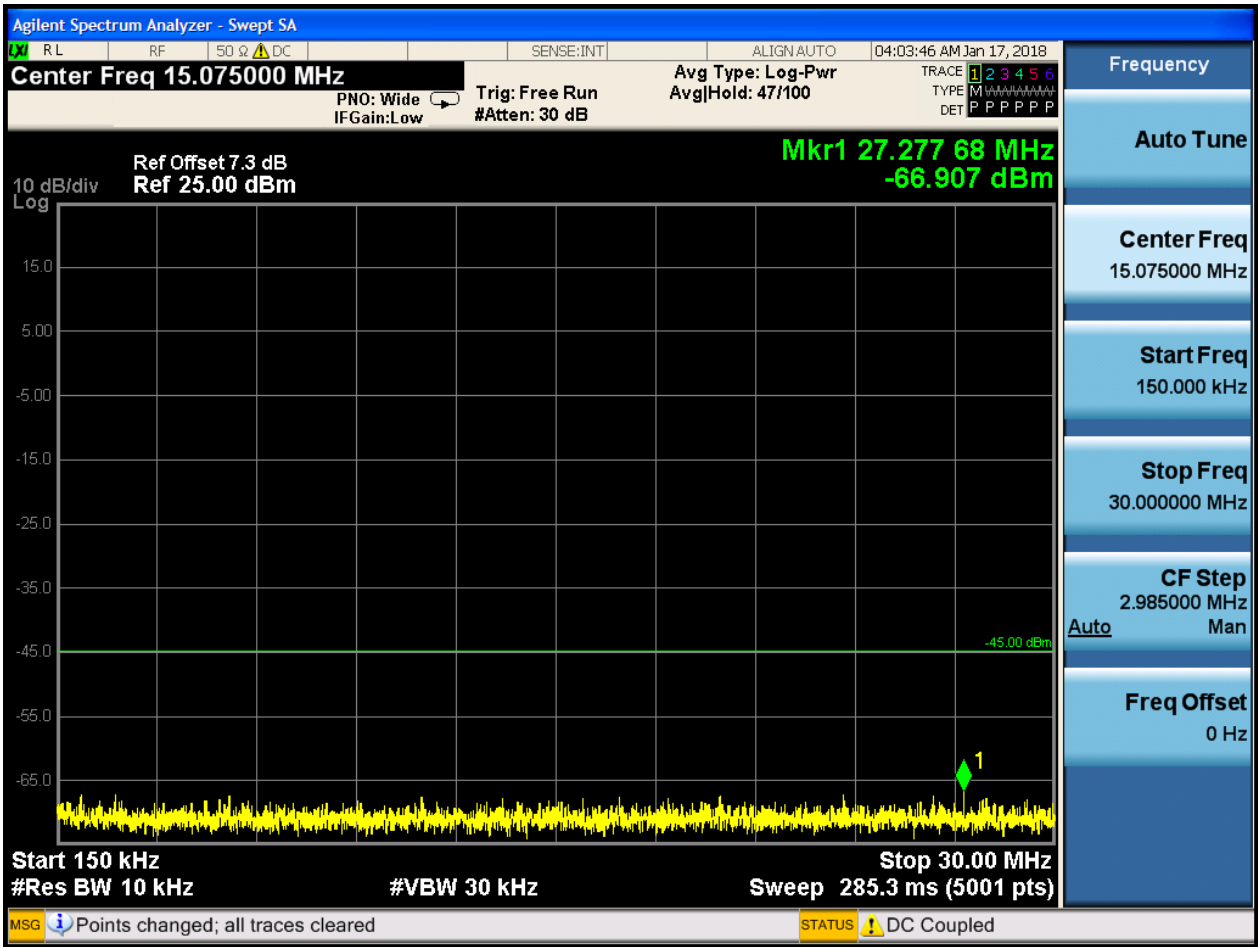




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

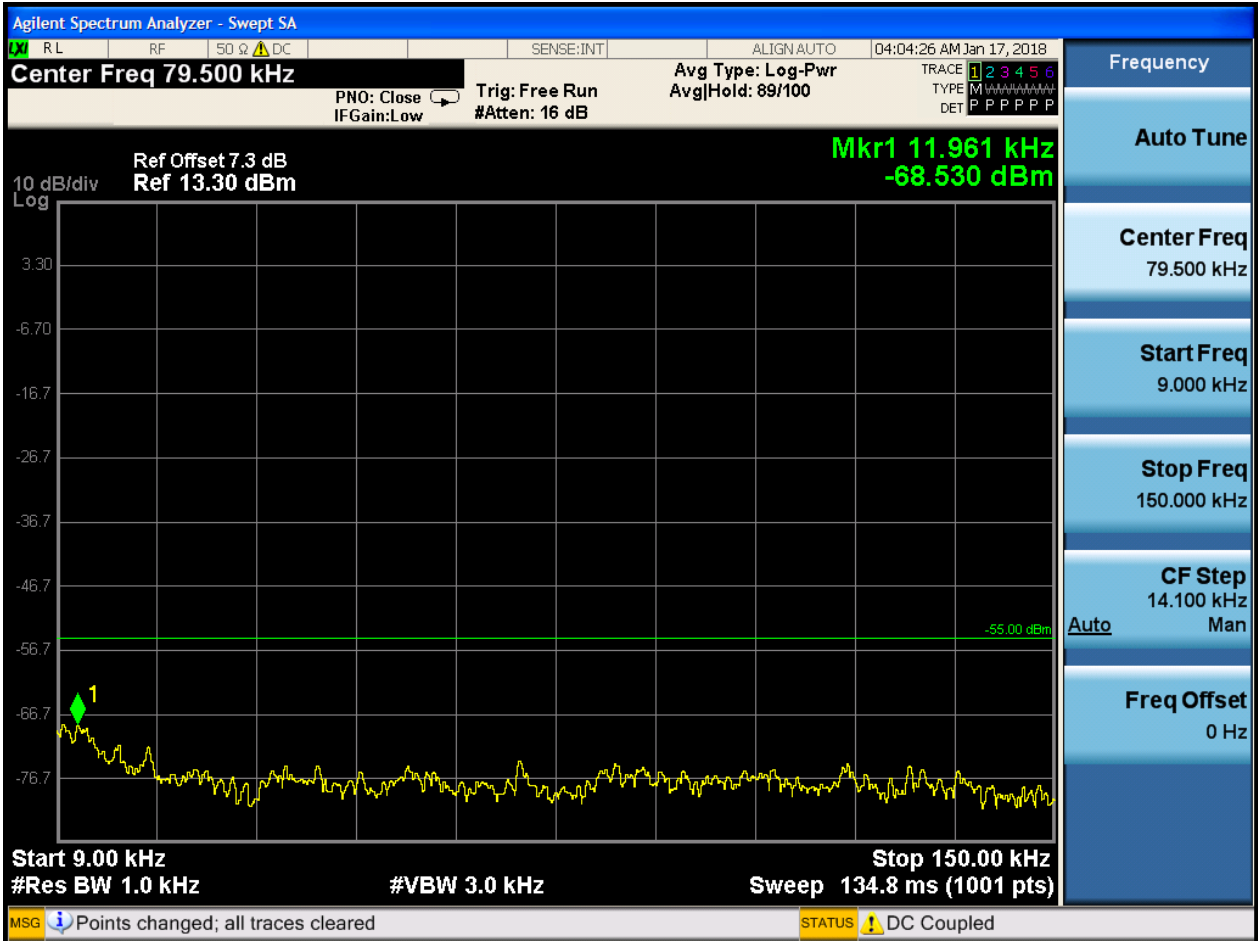


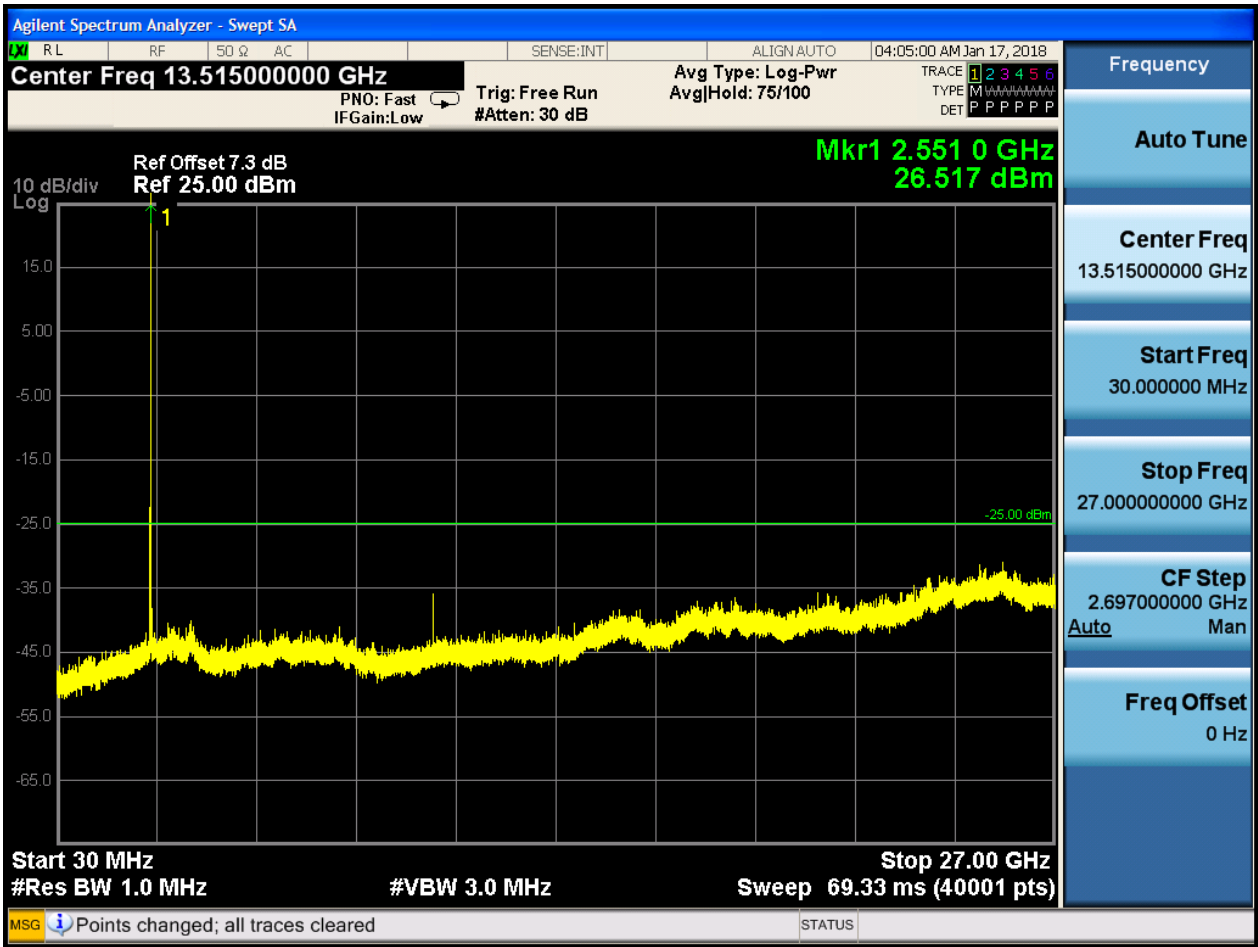




6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





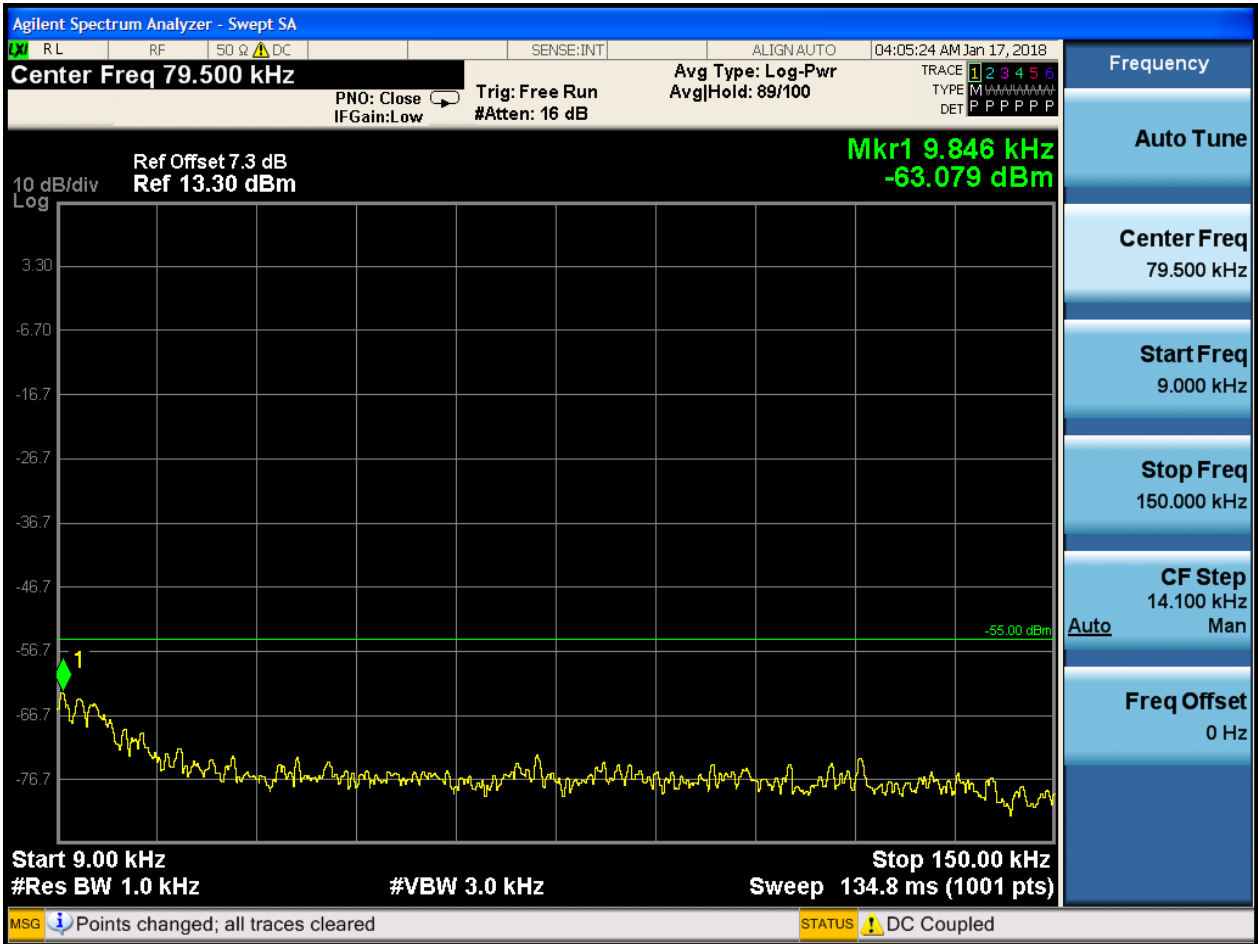


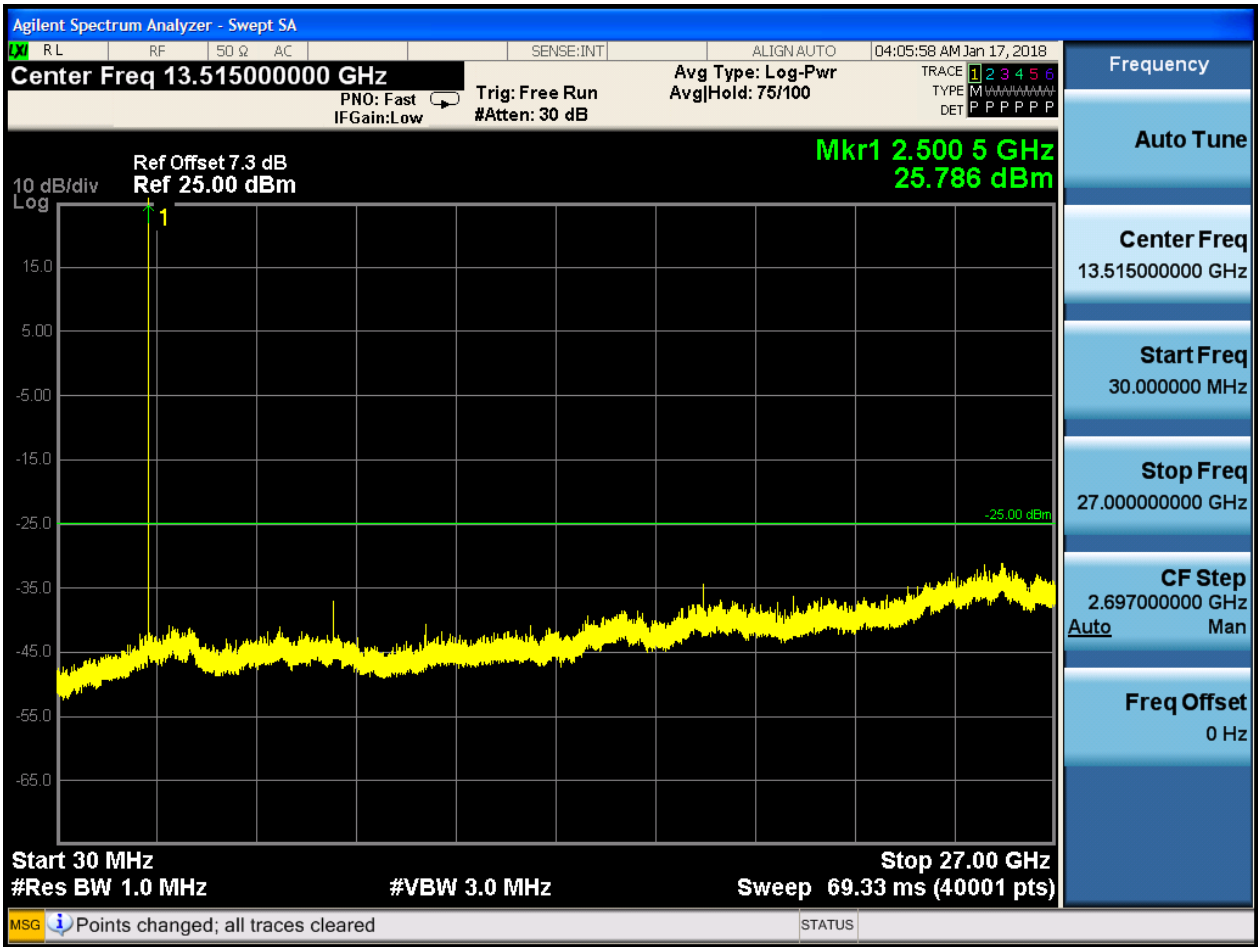
6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

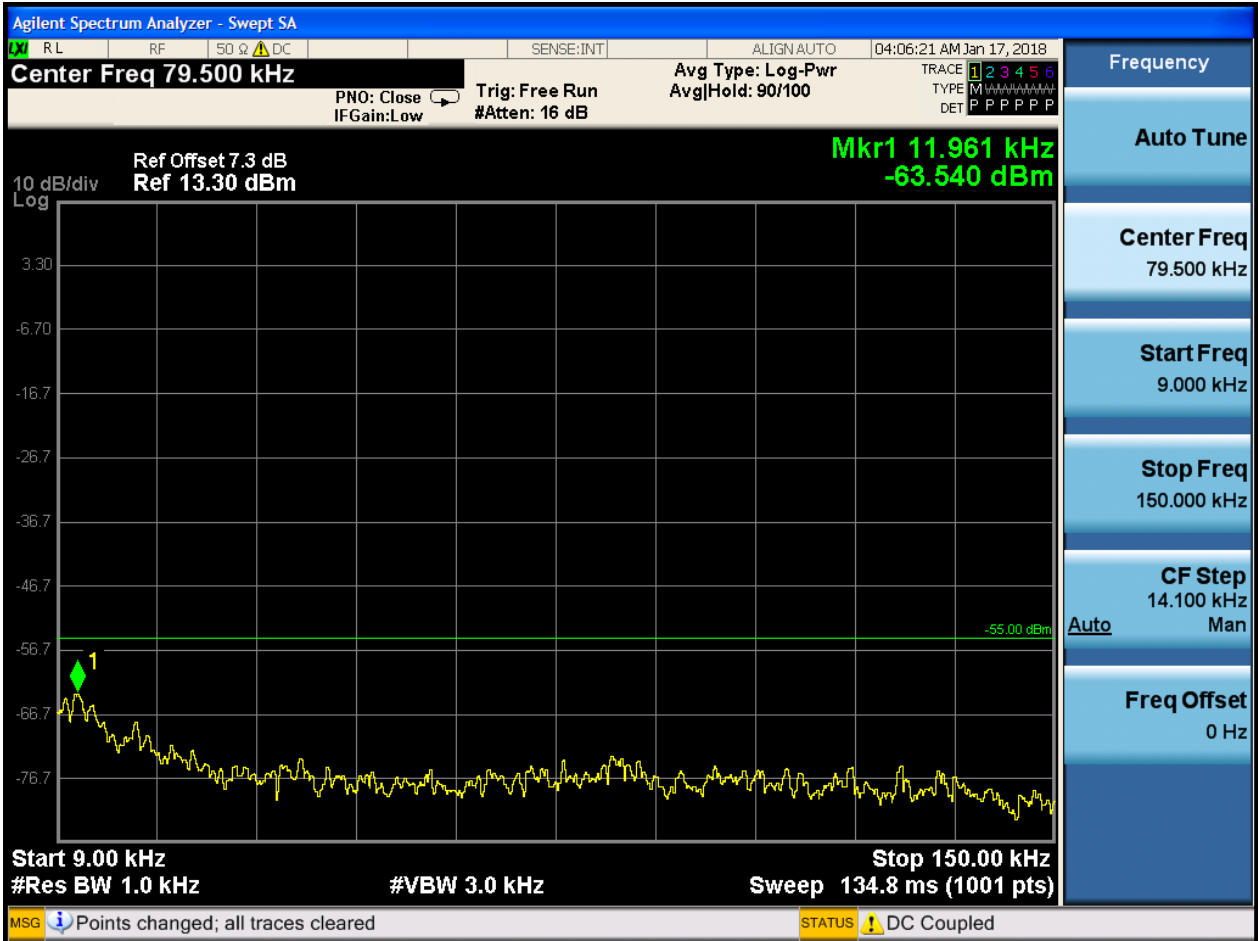
6.1.1.2.1.1.1 Test RB = RB1#0





6.1.1.2.1.2 Test Channel = MCH

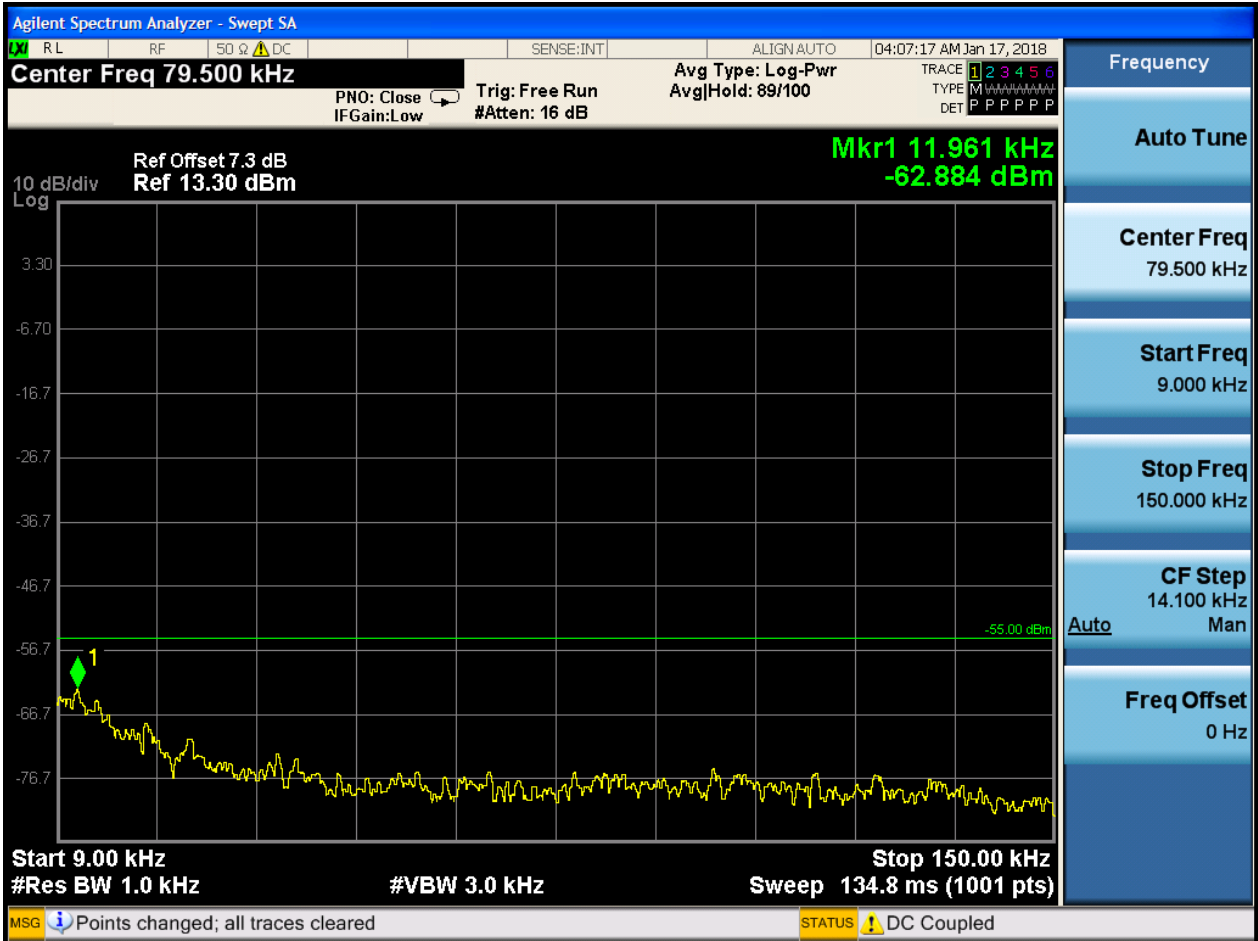
6.1.1.2.1.2.1 Test RB = RB1#0

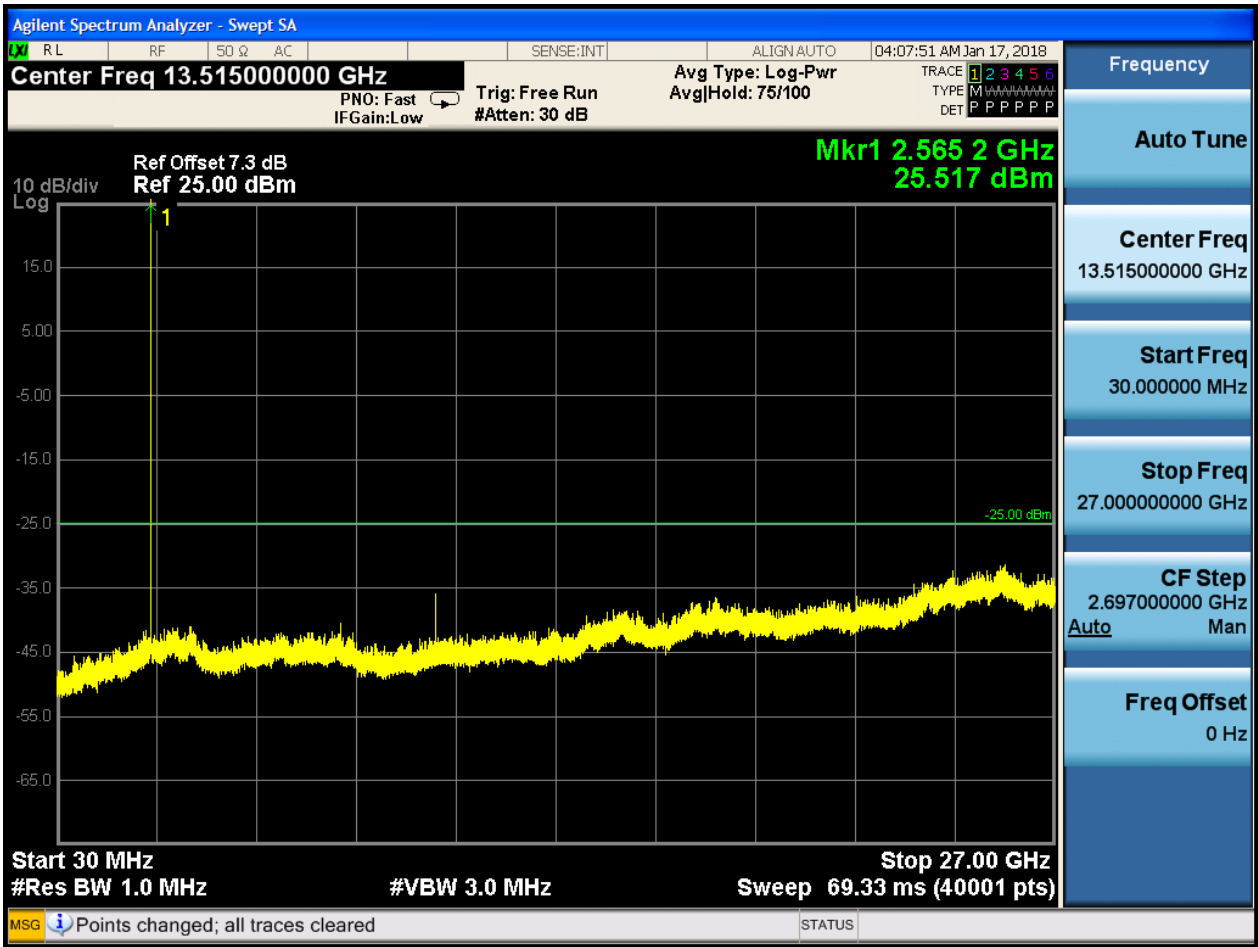




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0

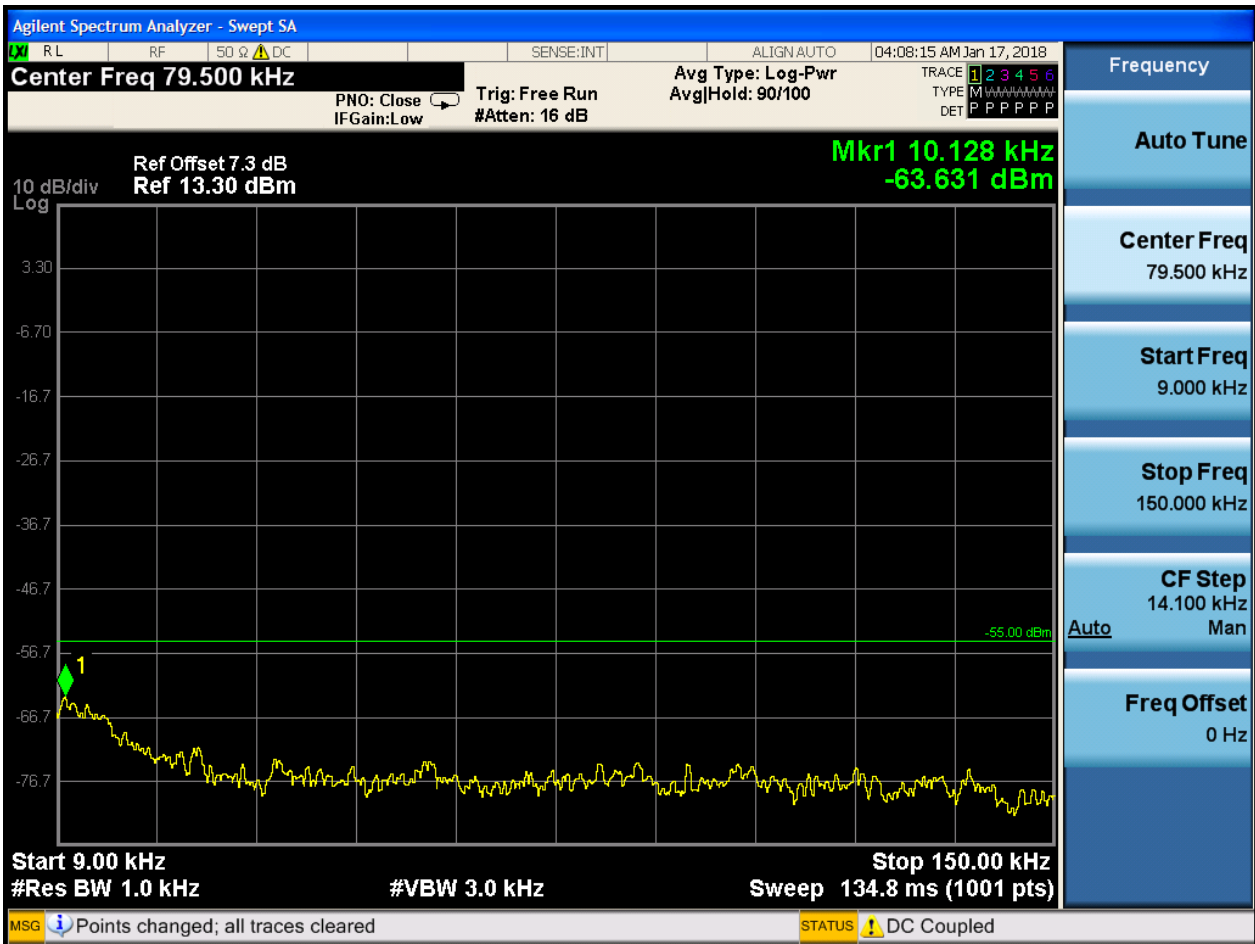


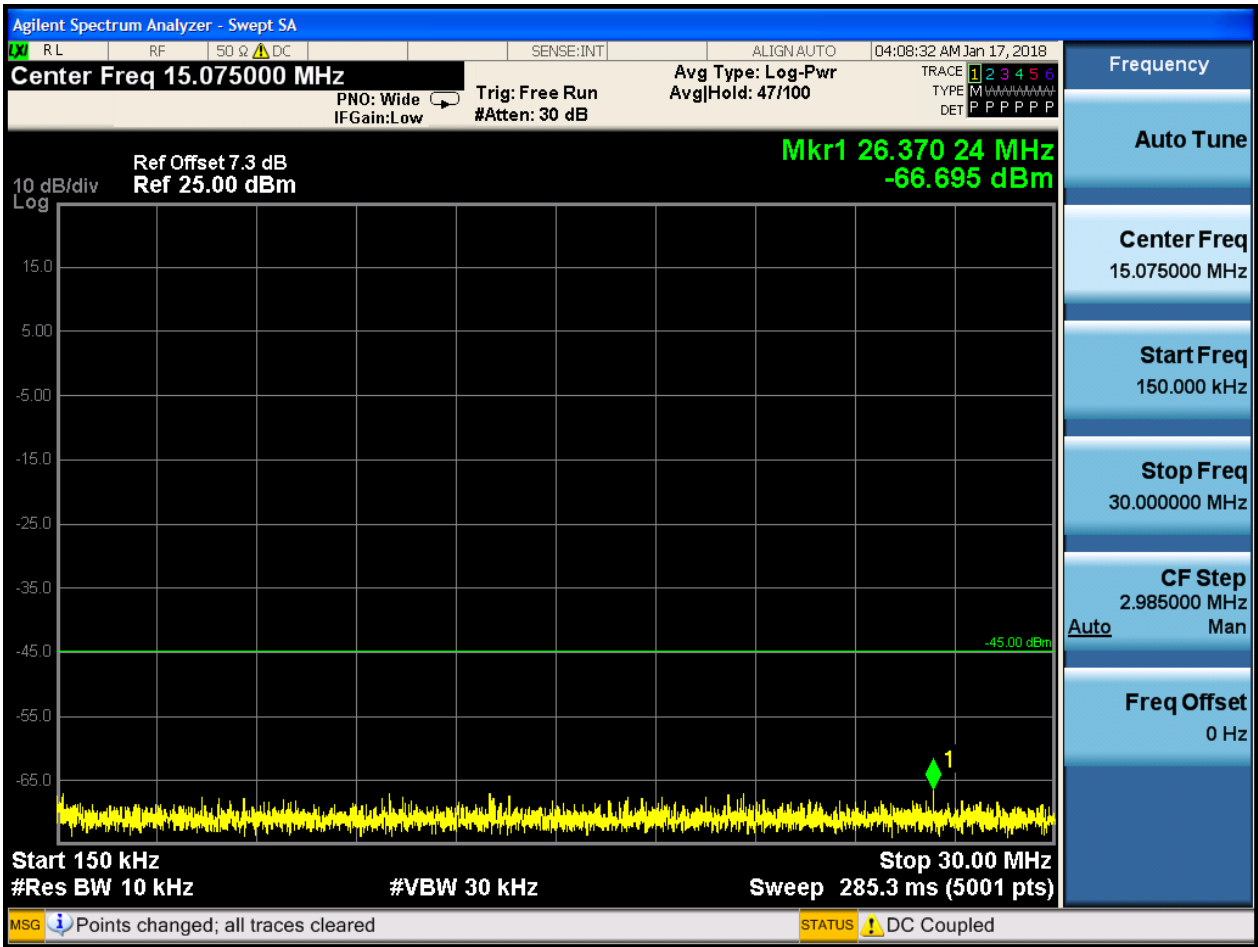


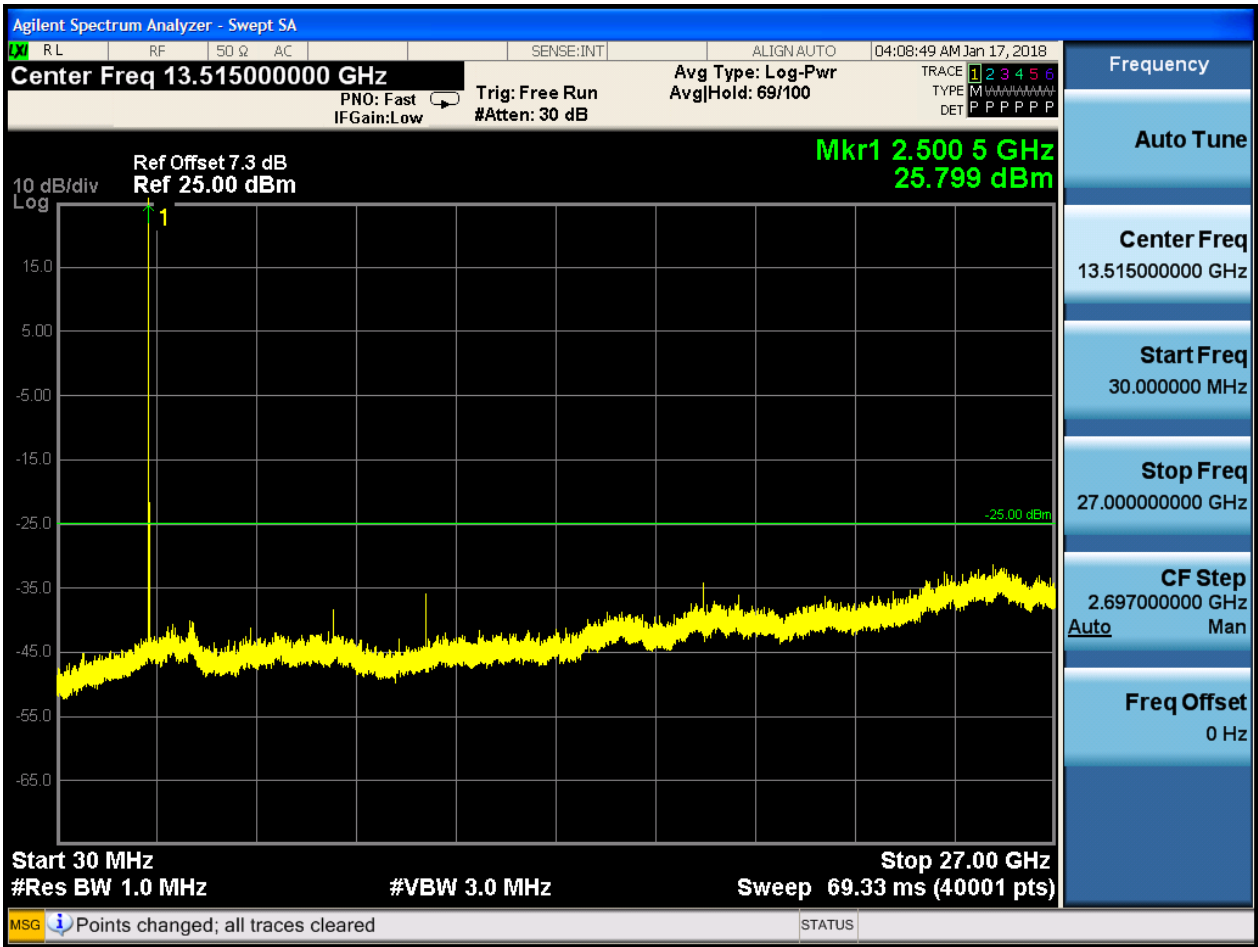
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

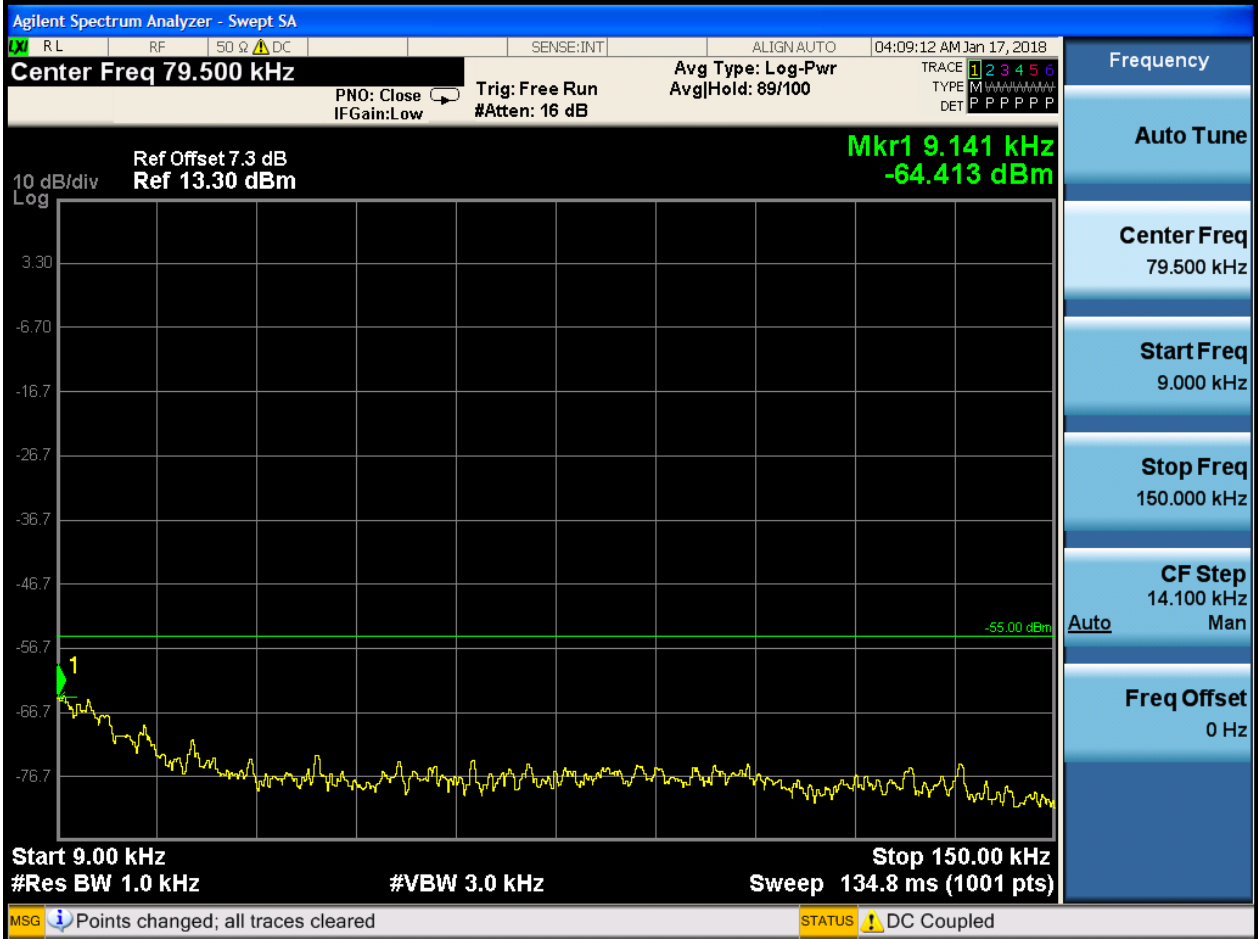


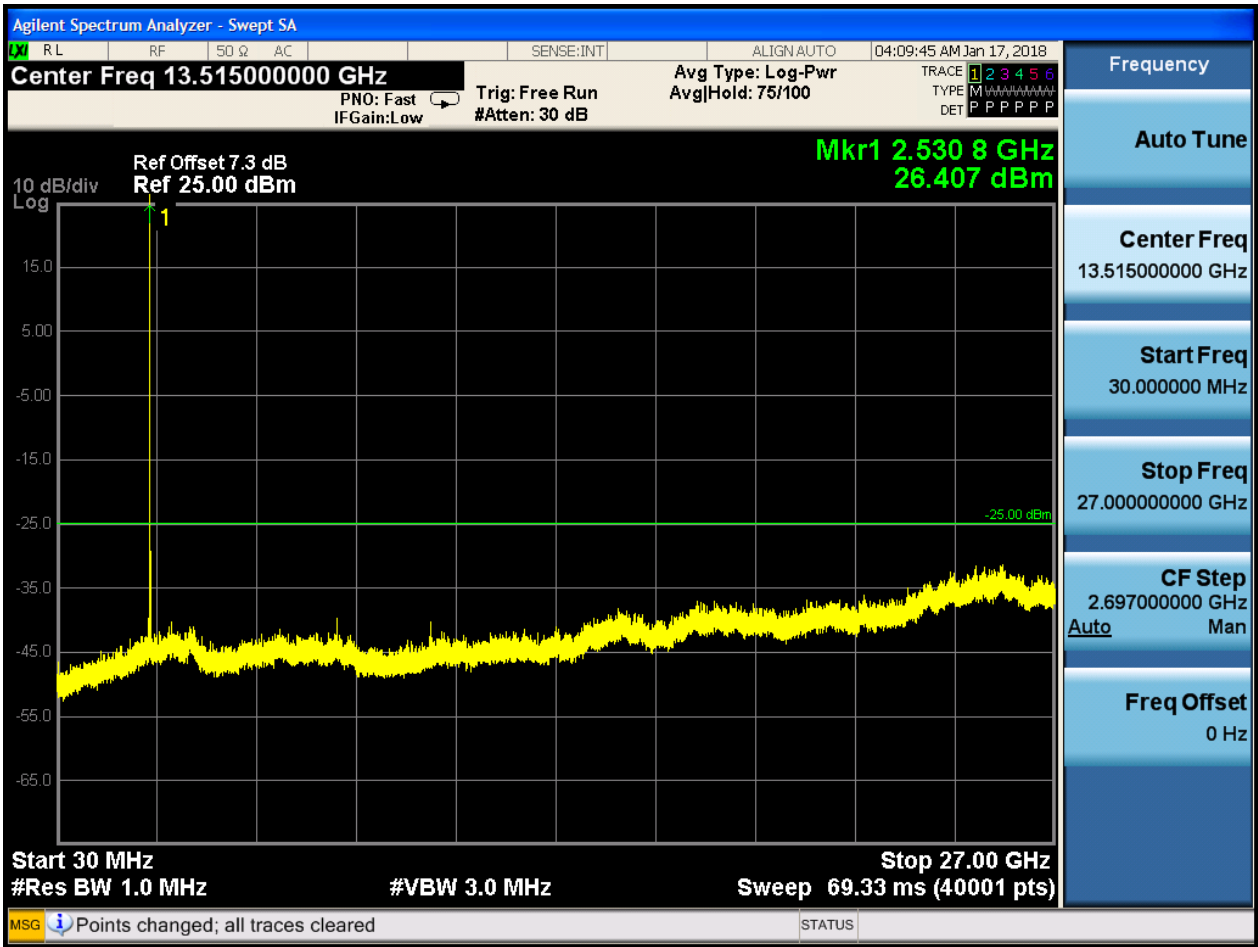




6.1.1.2.2.2 Test Channel = MCH

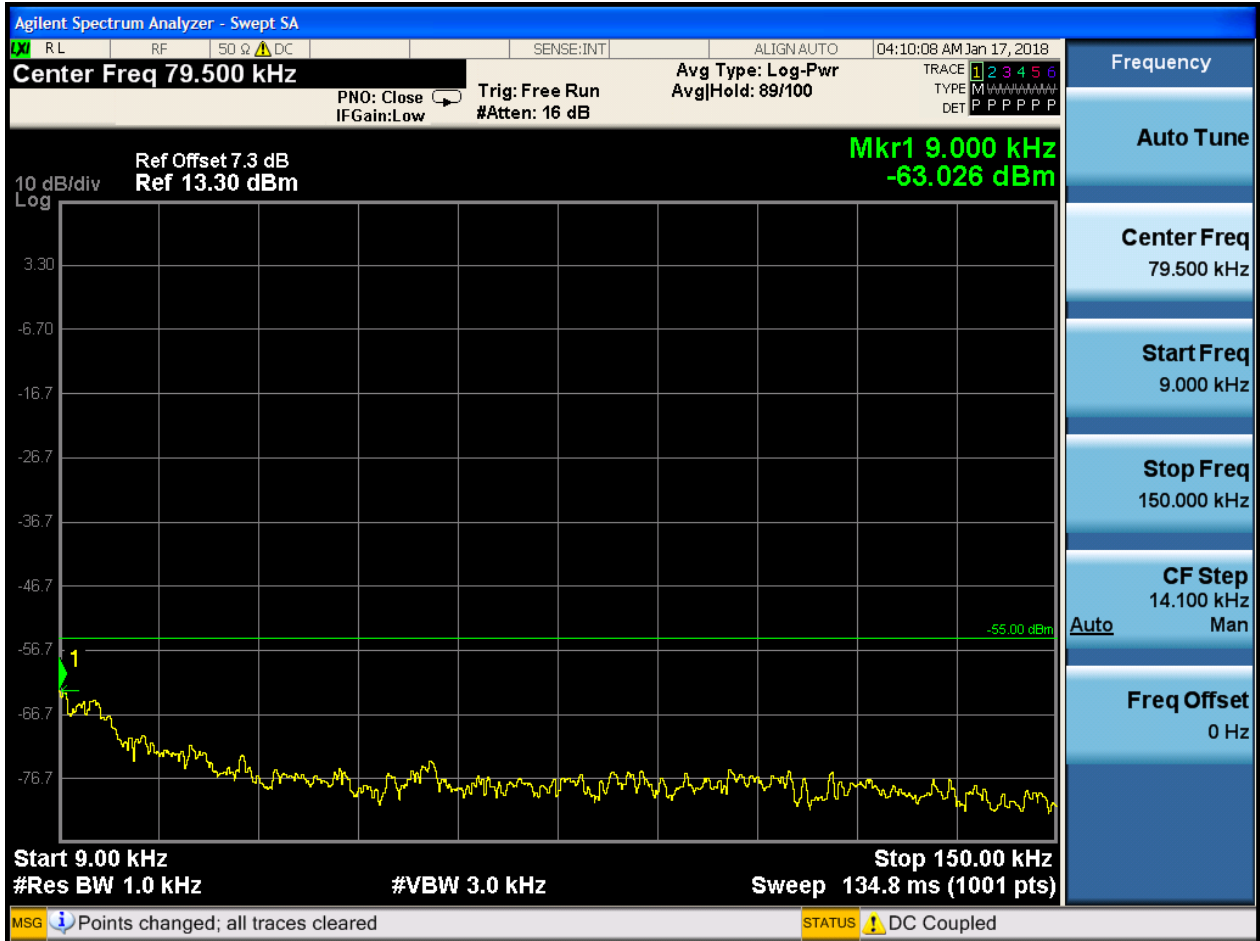
6.1.1.2.2.2.1 Test RB = RB1#0

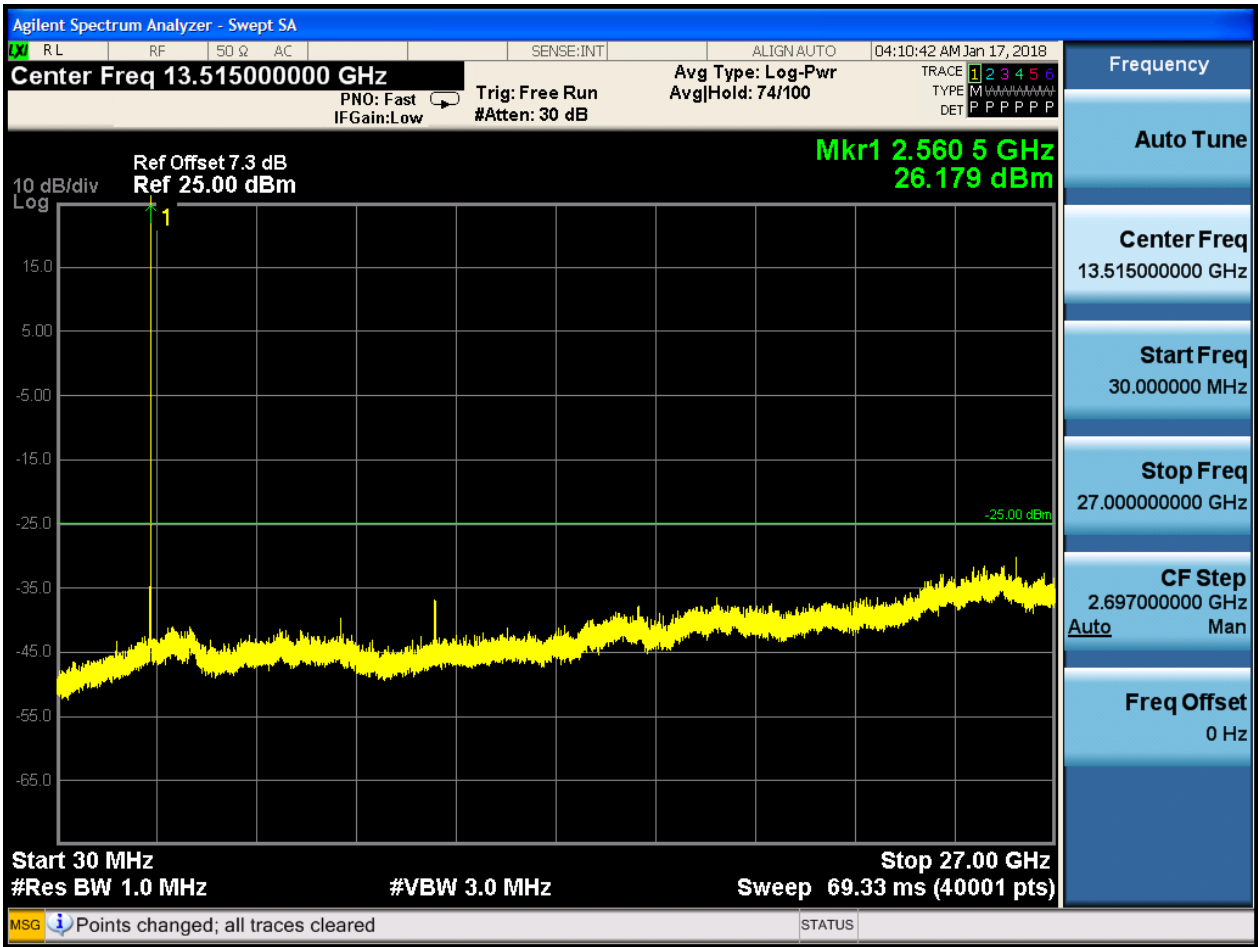




6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



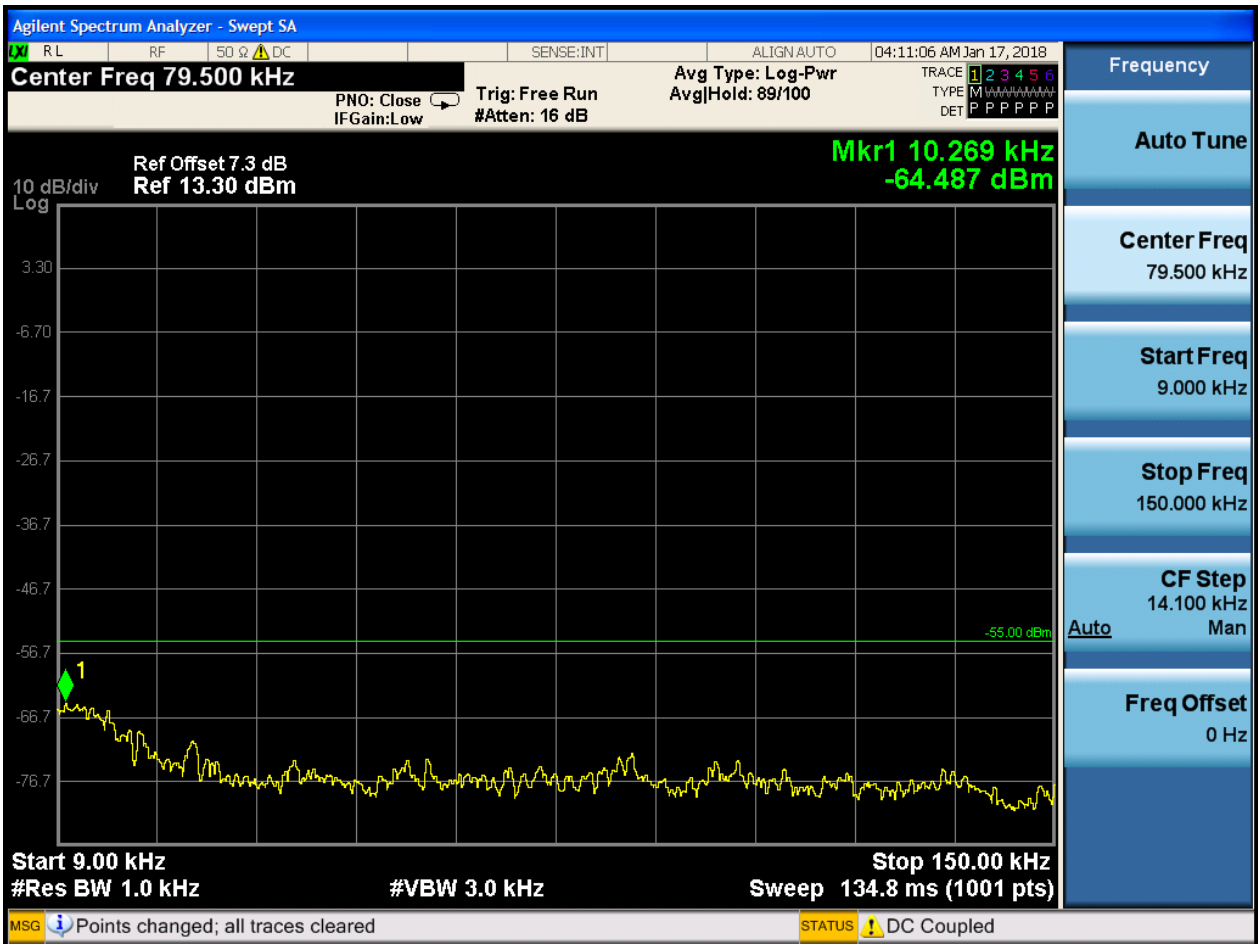




6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

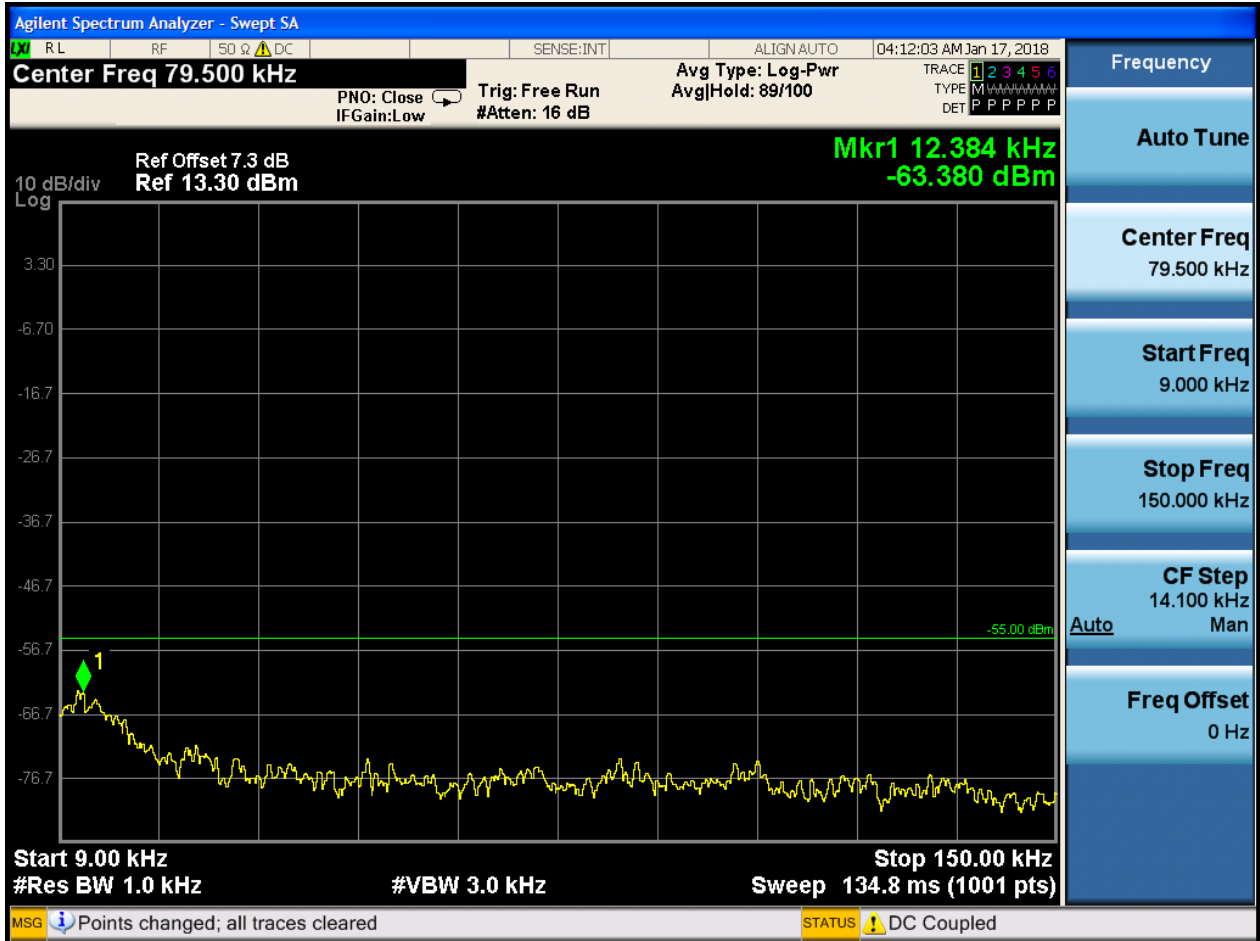
6.1.1.2.3.1.1 Test RB = RB1#0

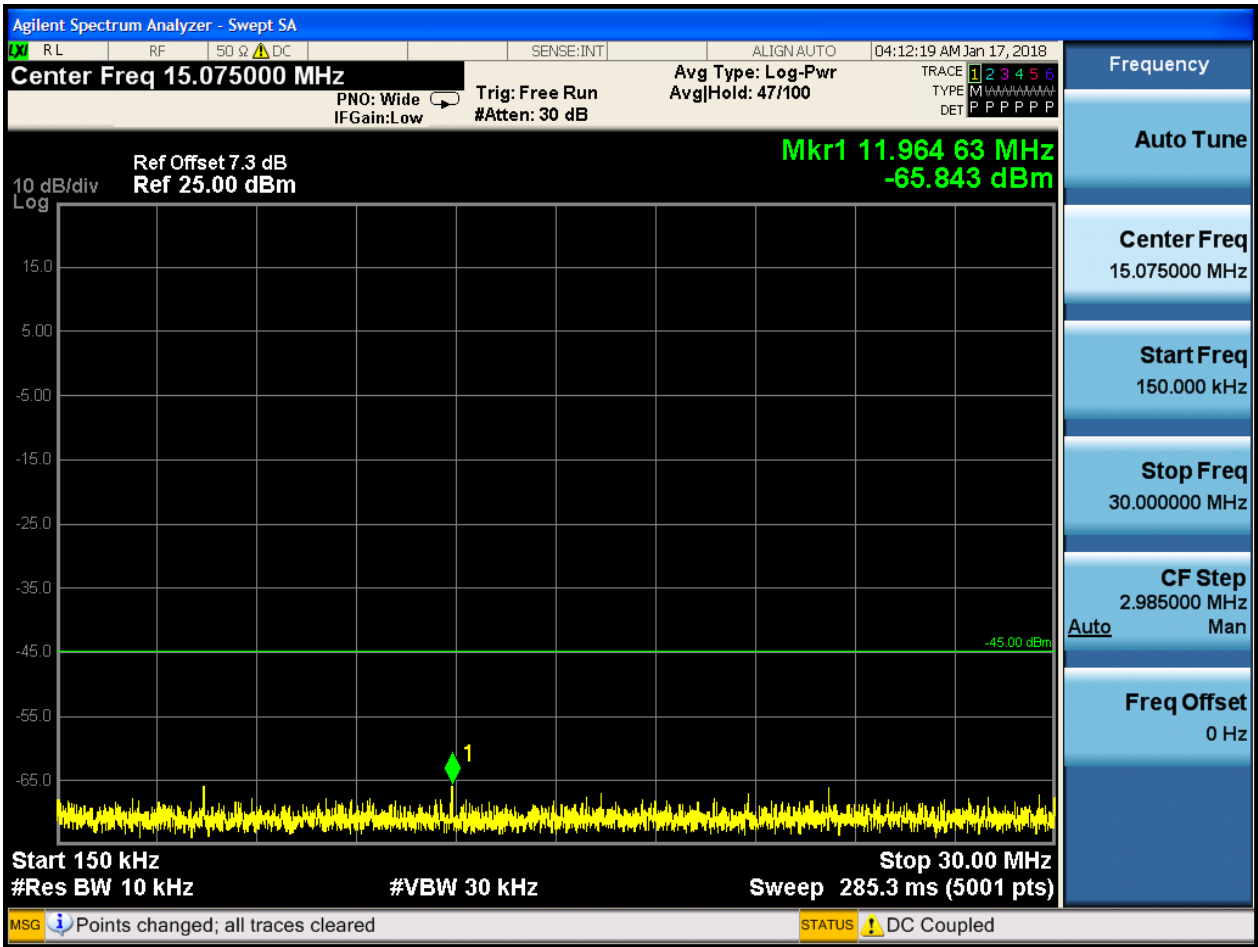




6.1.1.2.3.2 Test Channel = MCH

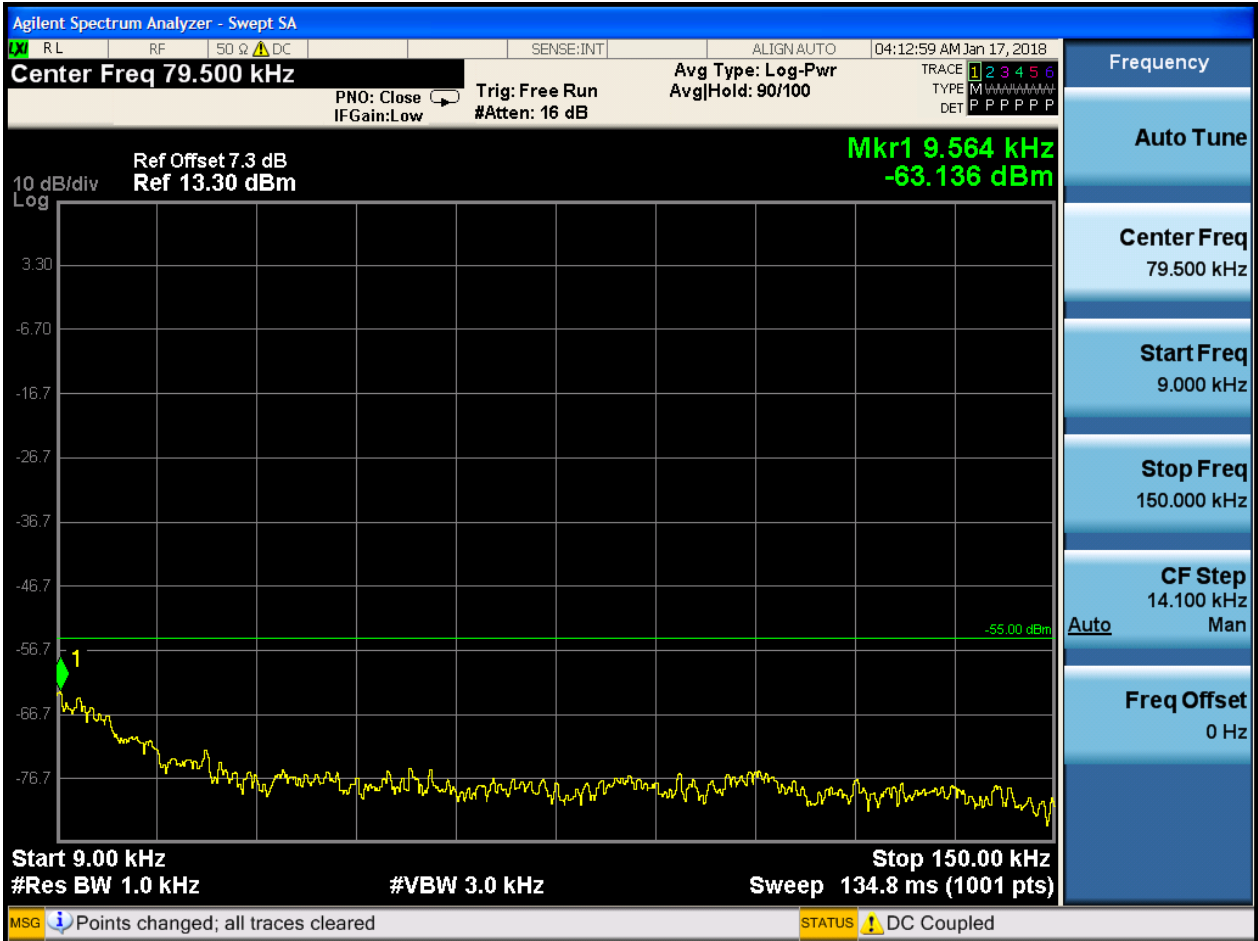
6.1.1.2.3.2.1 Test RB = RB1#0

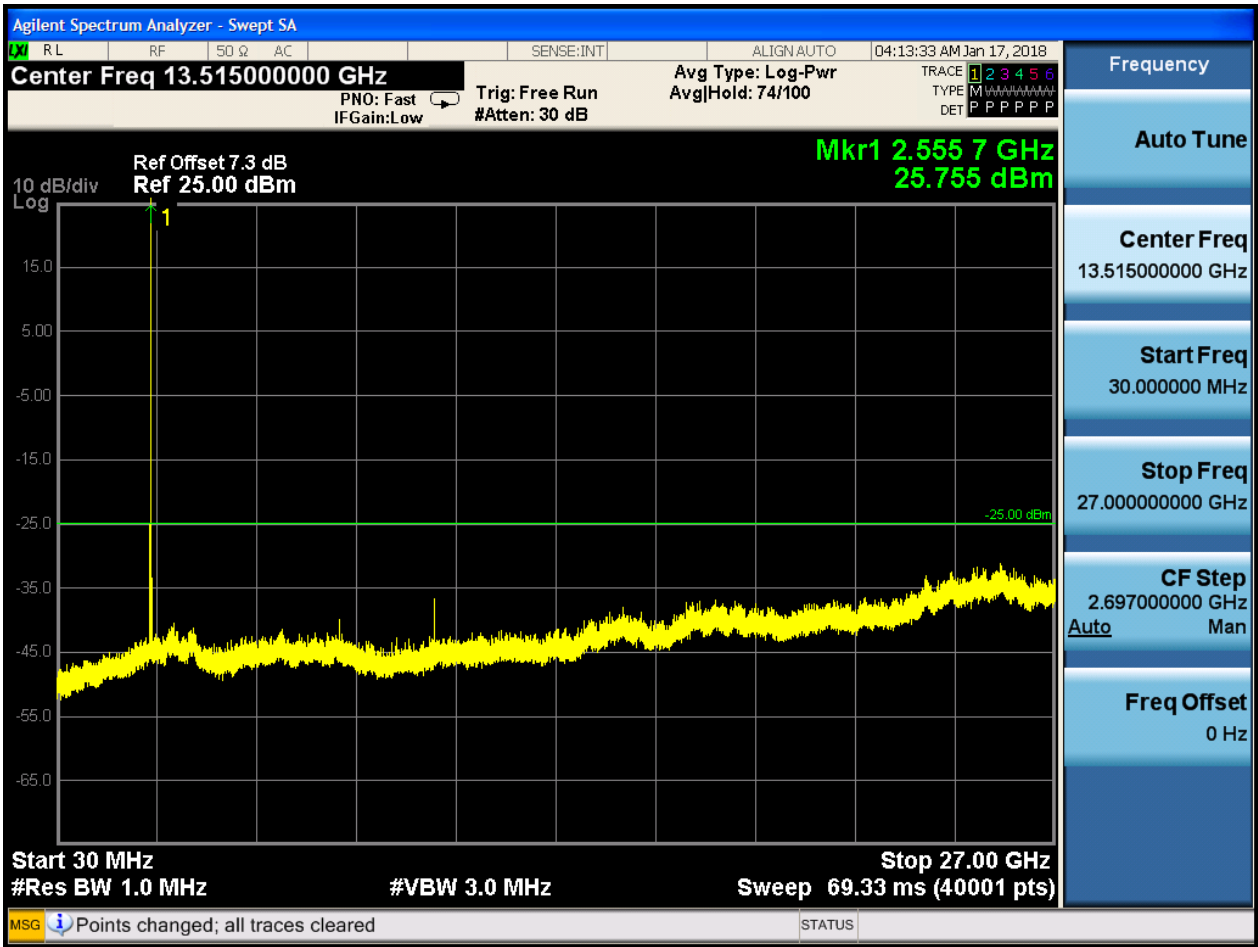




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



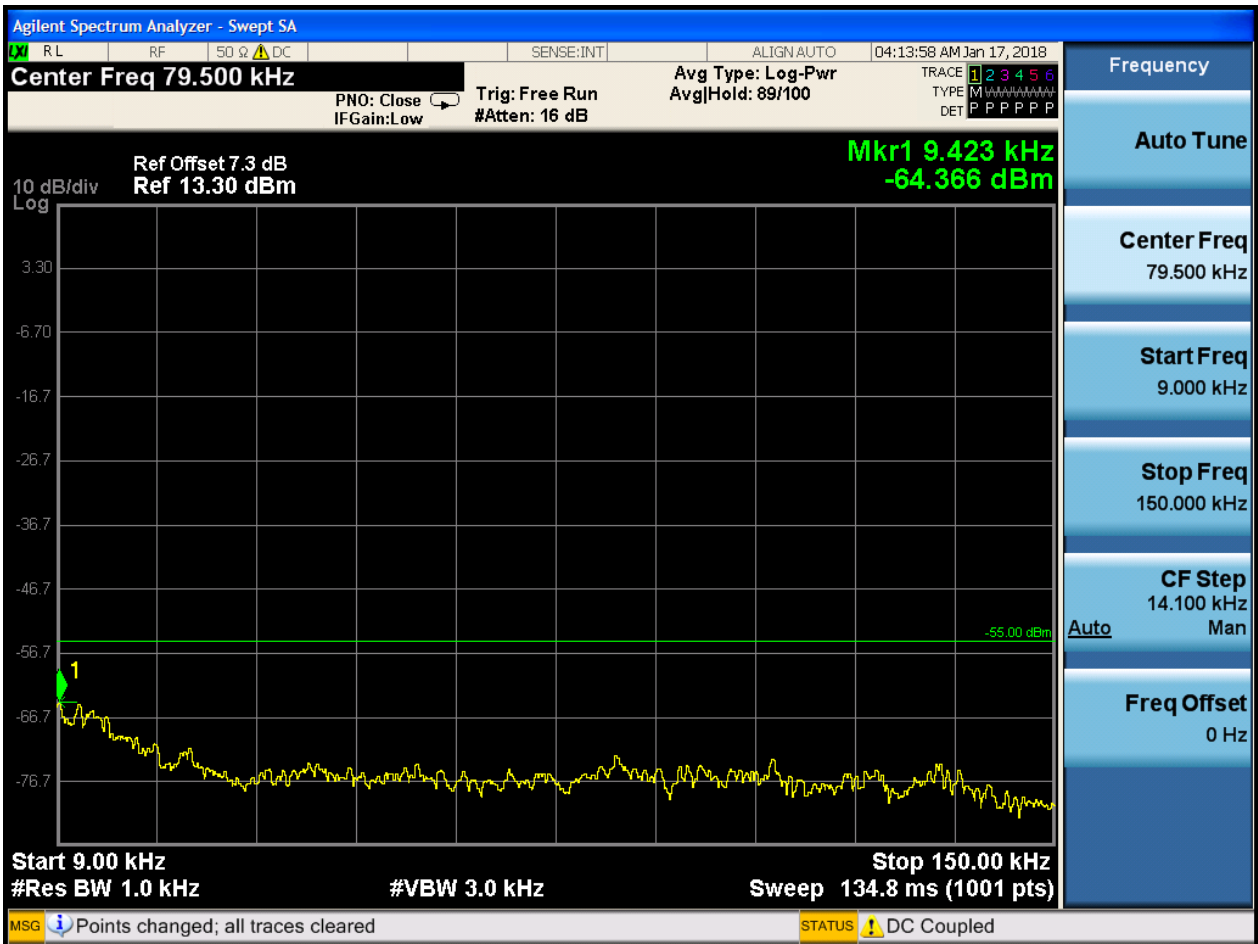


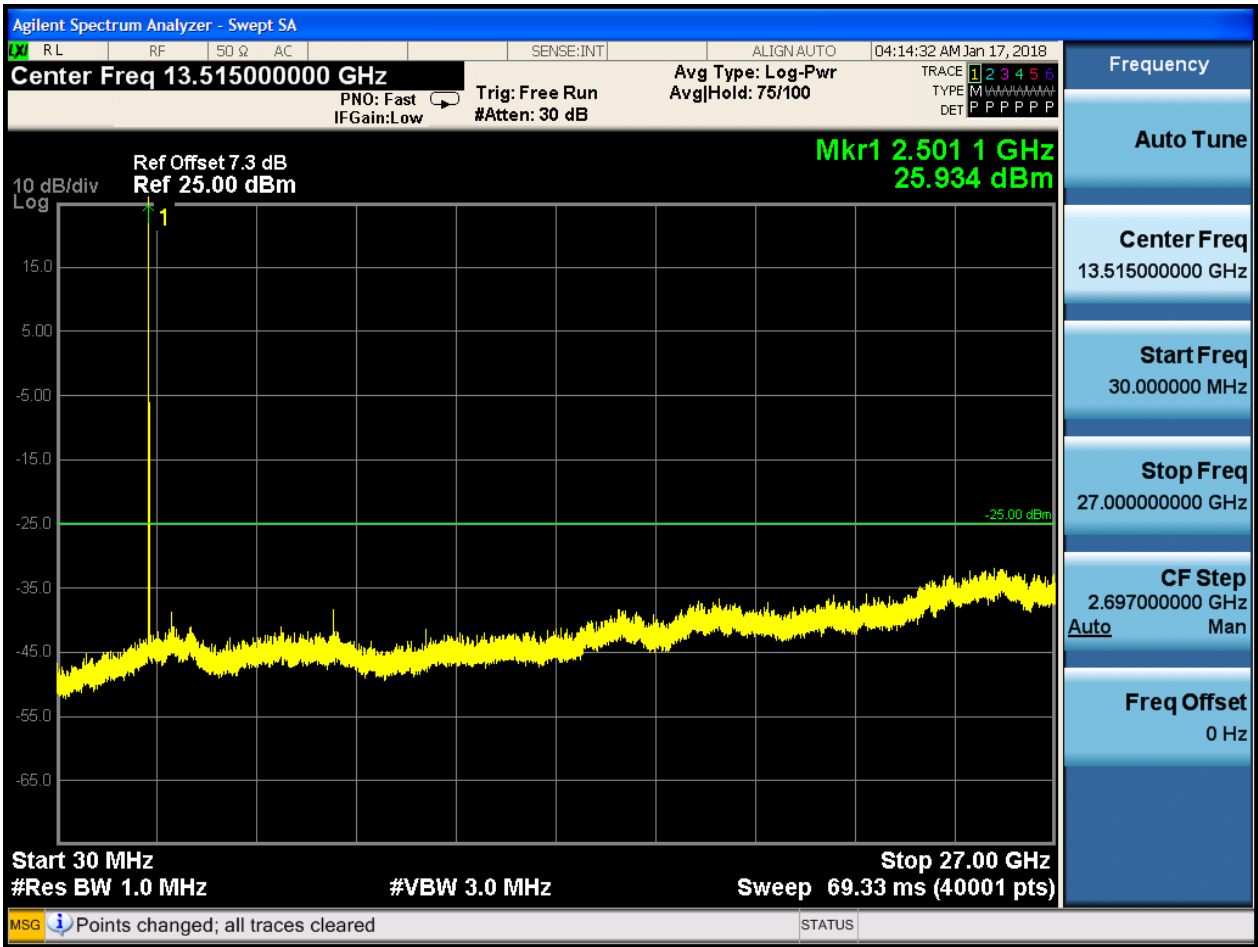


6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

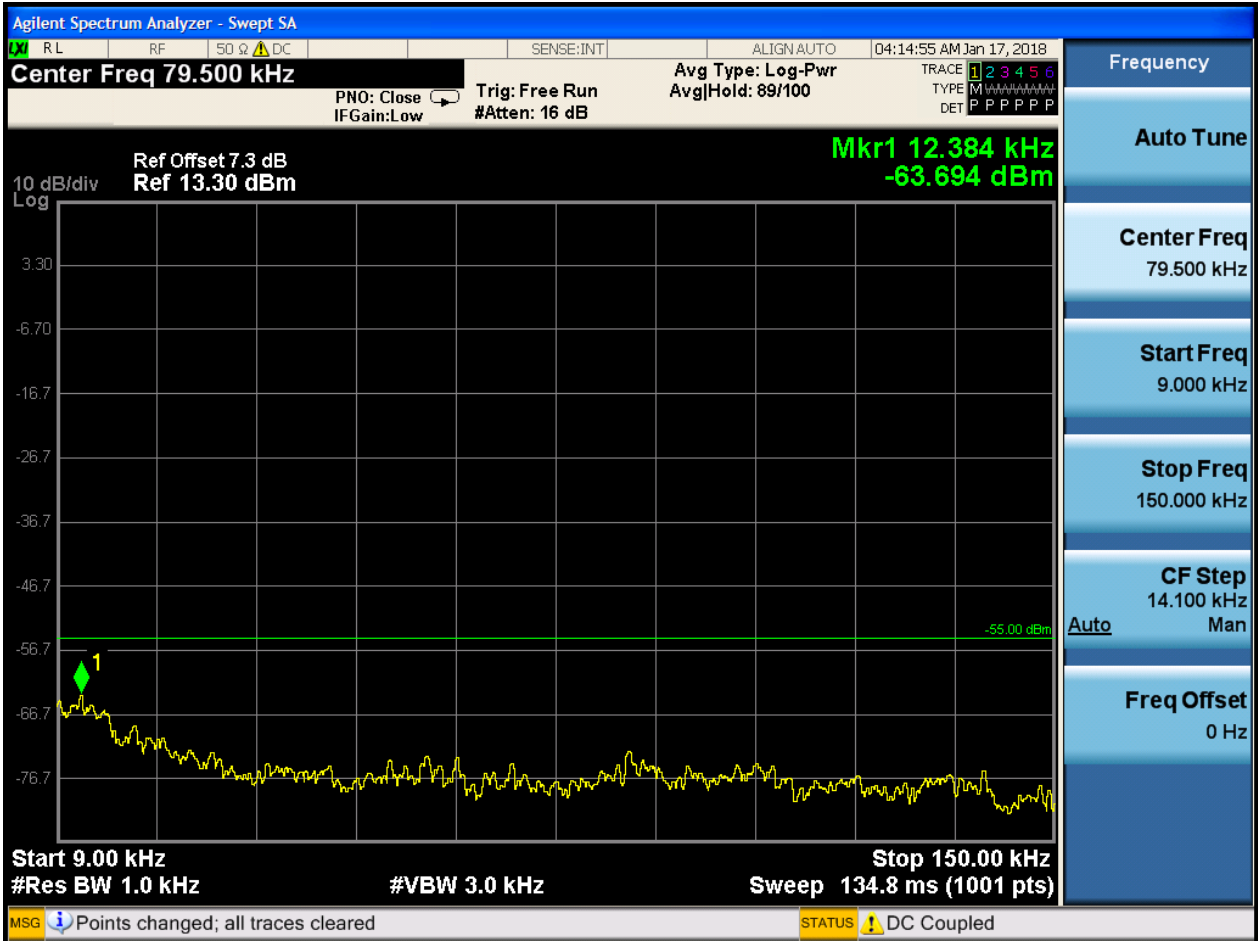


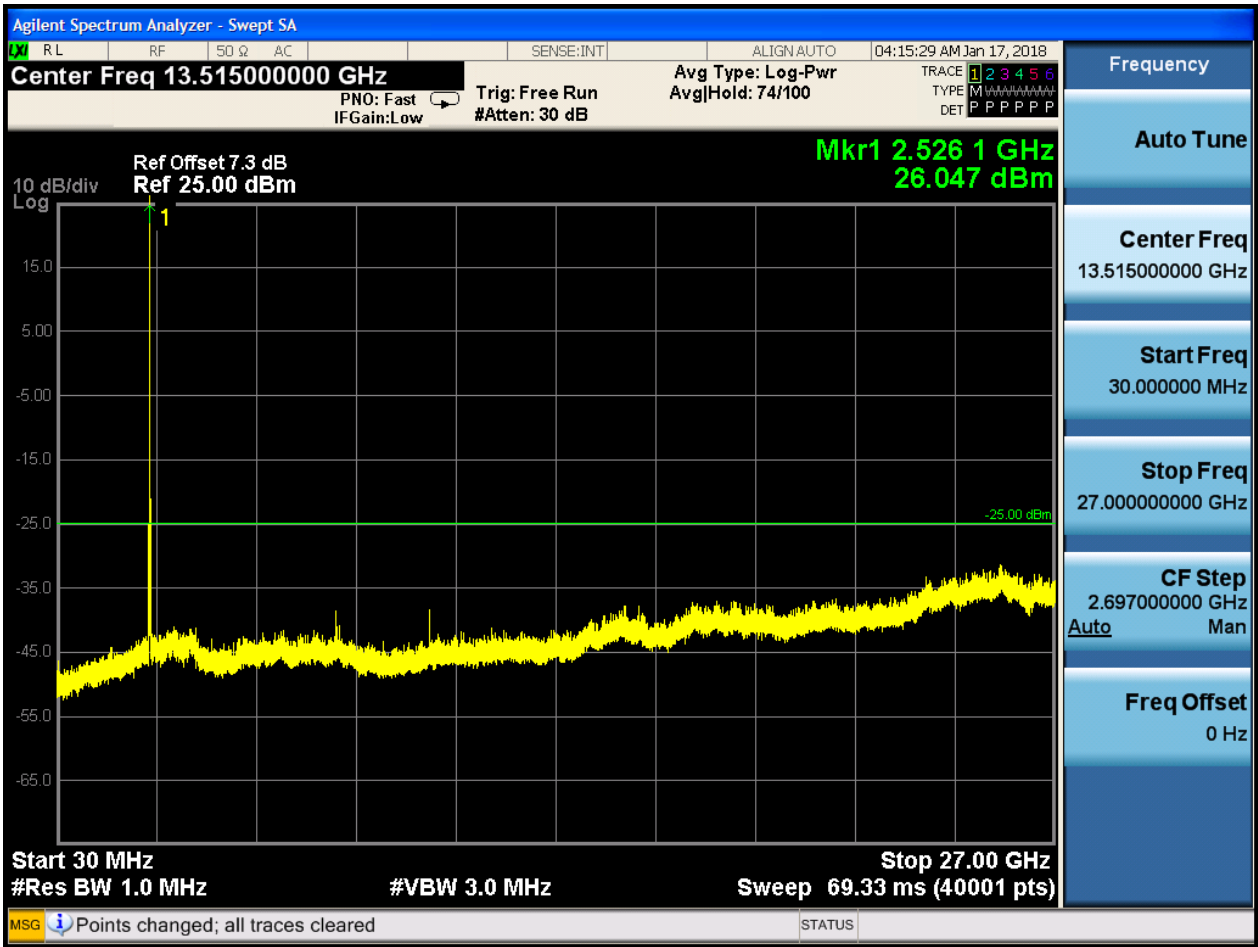




6.1.1.2.4.2 Test Channel = MCH

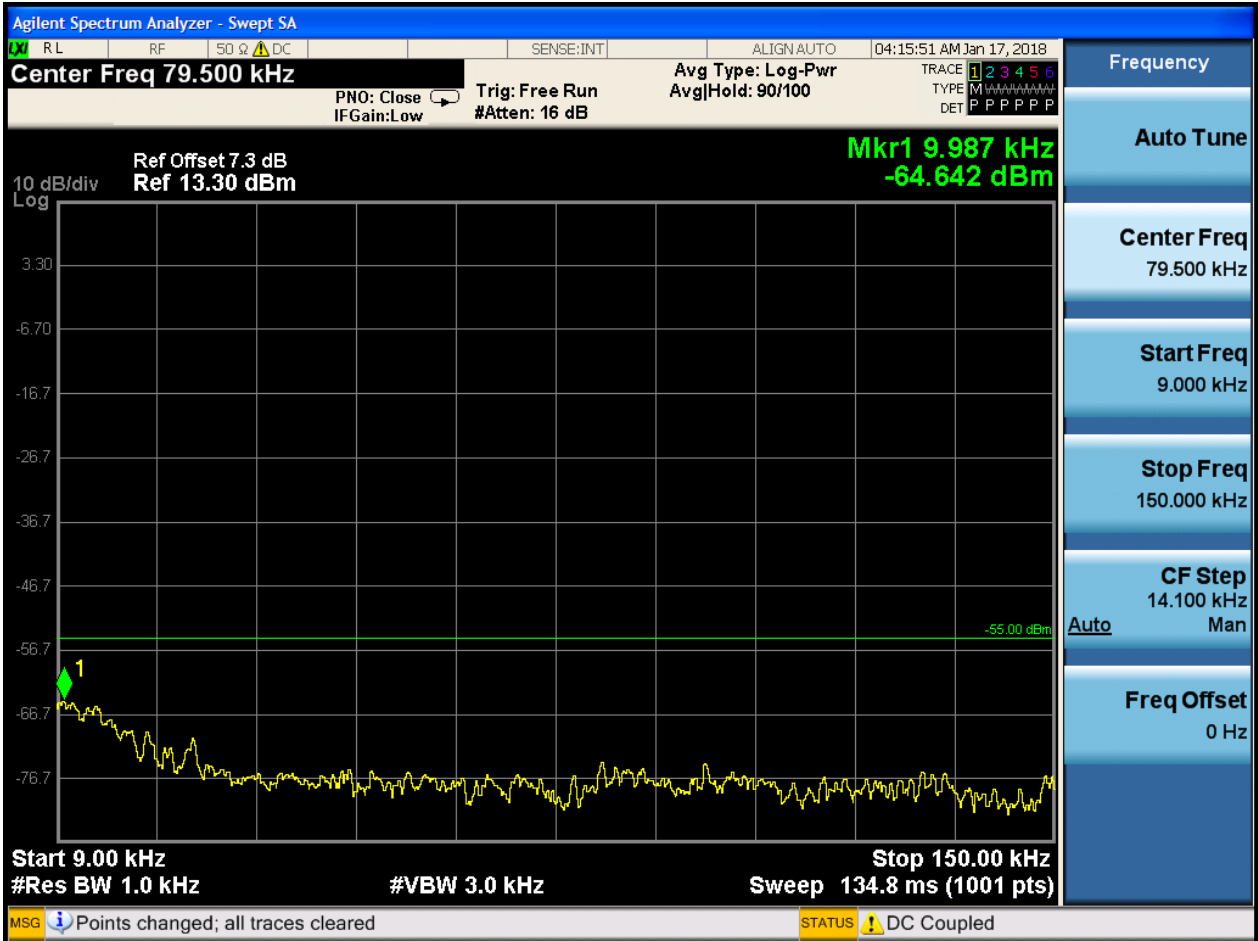
6.1.1.2.4.2.1 Test RB = RB1#0

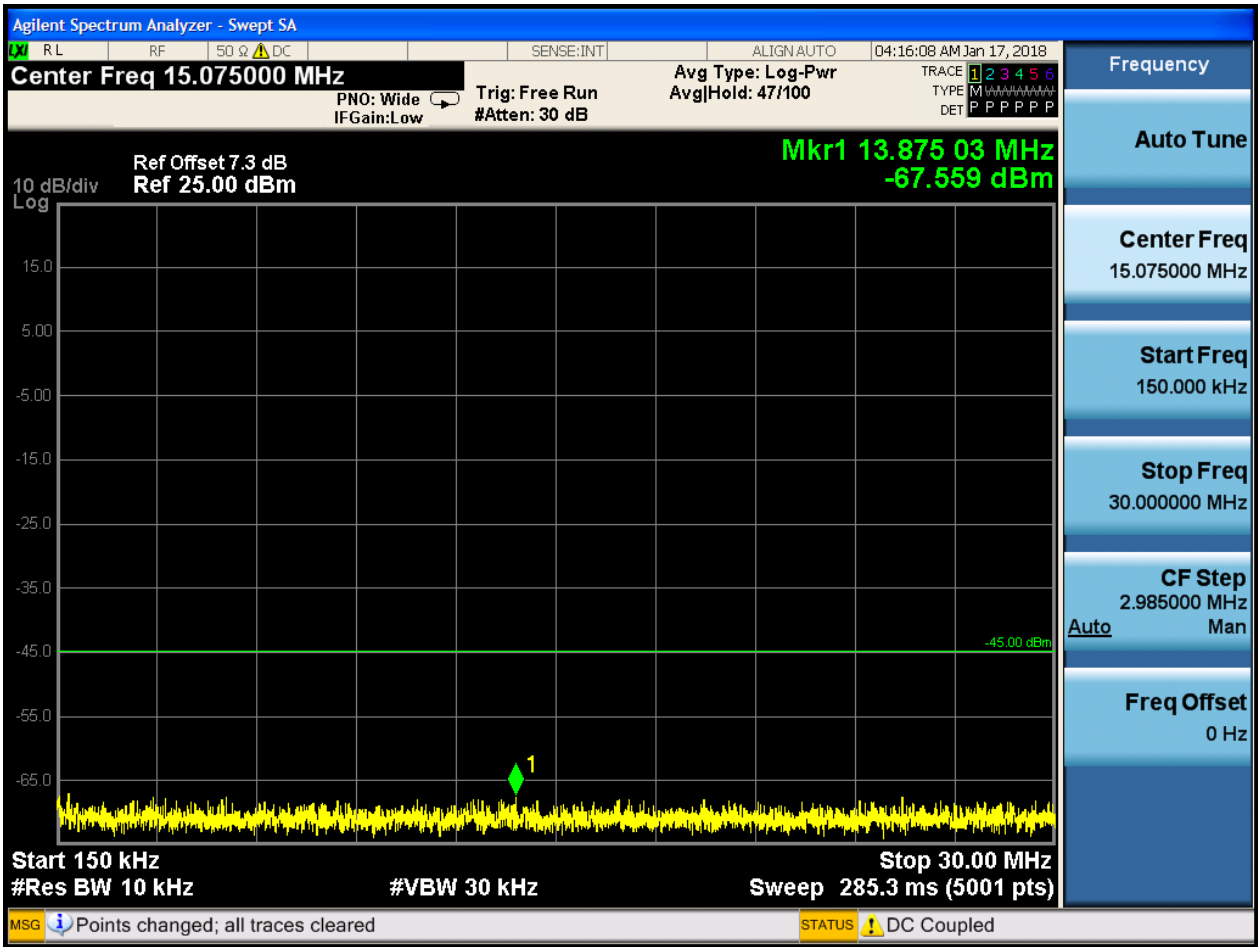


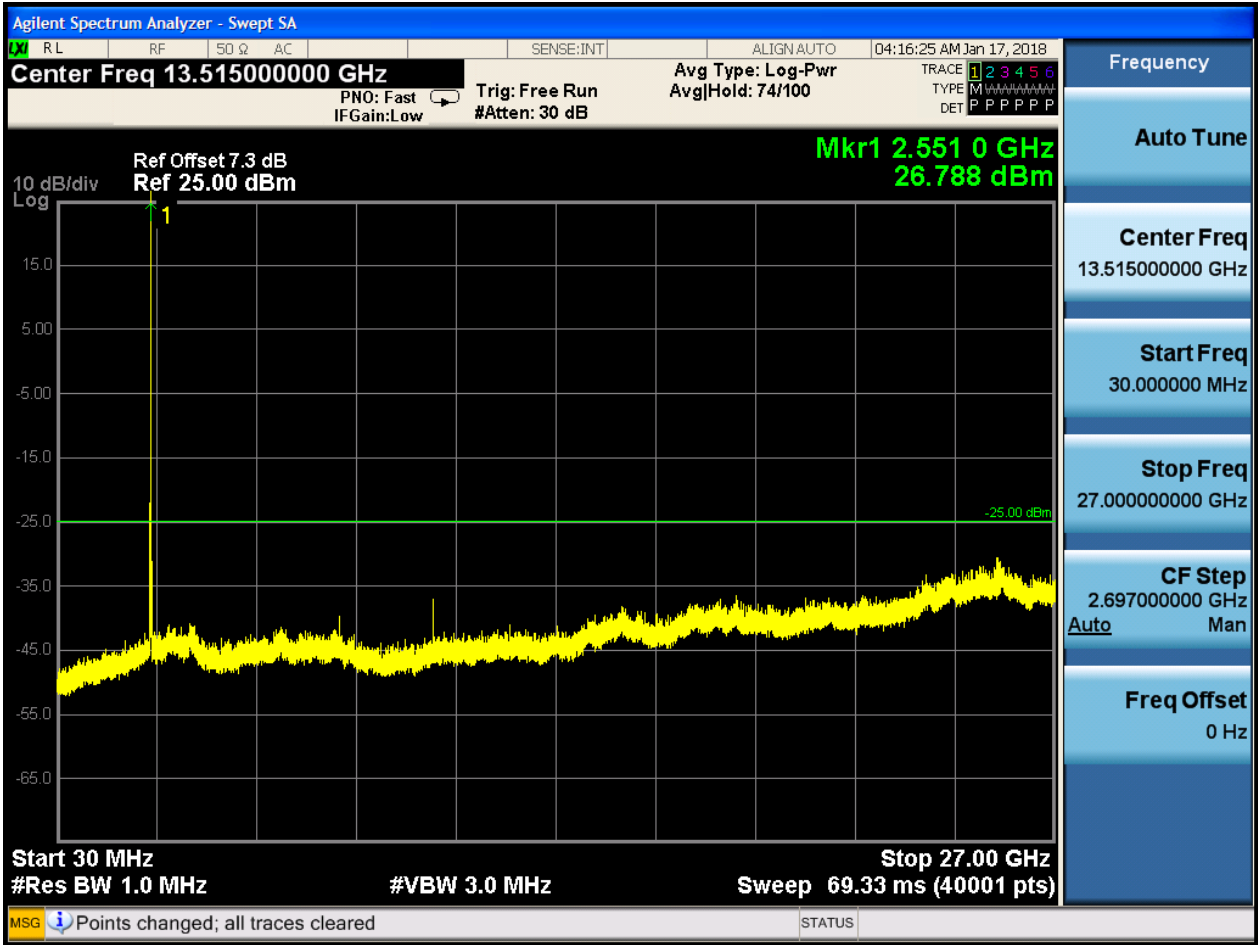


6.1.1.2.4.3 Test Channel = HCH

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

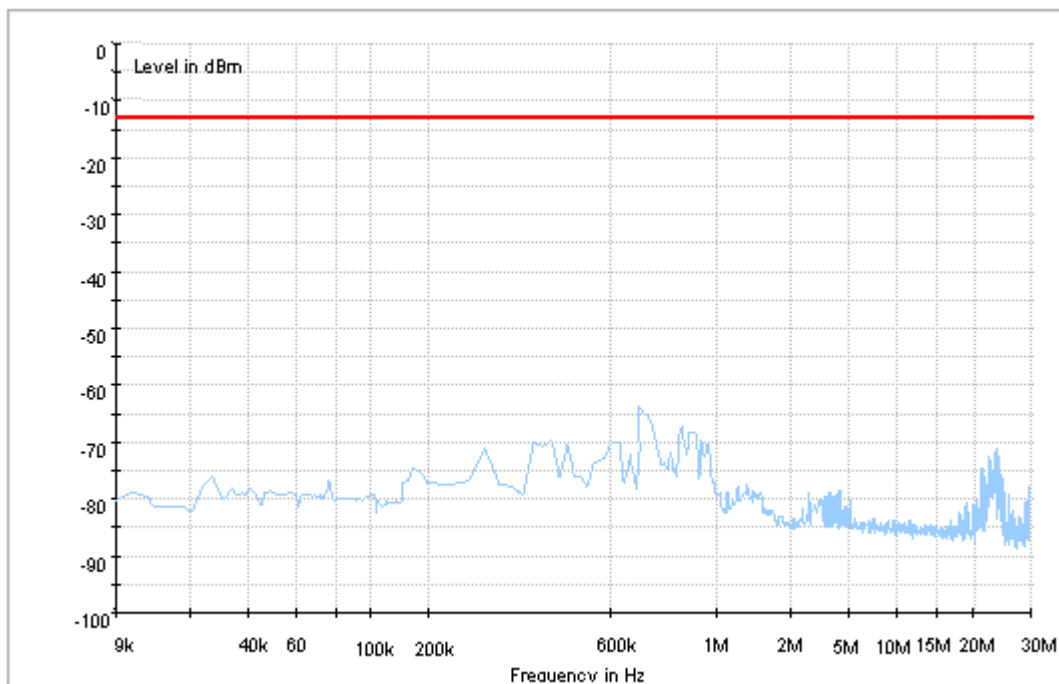
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

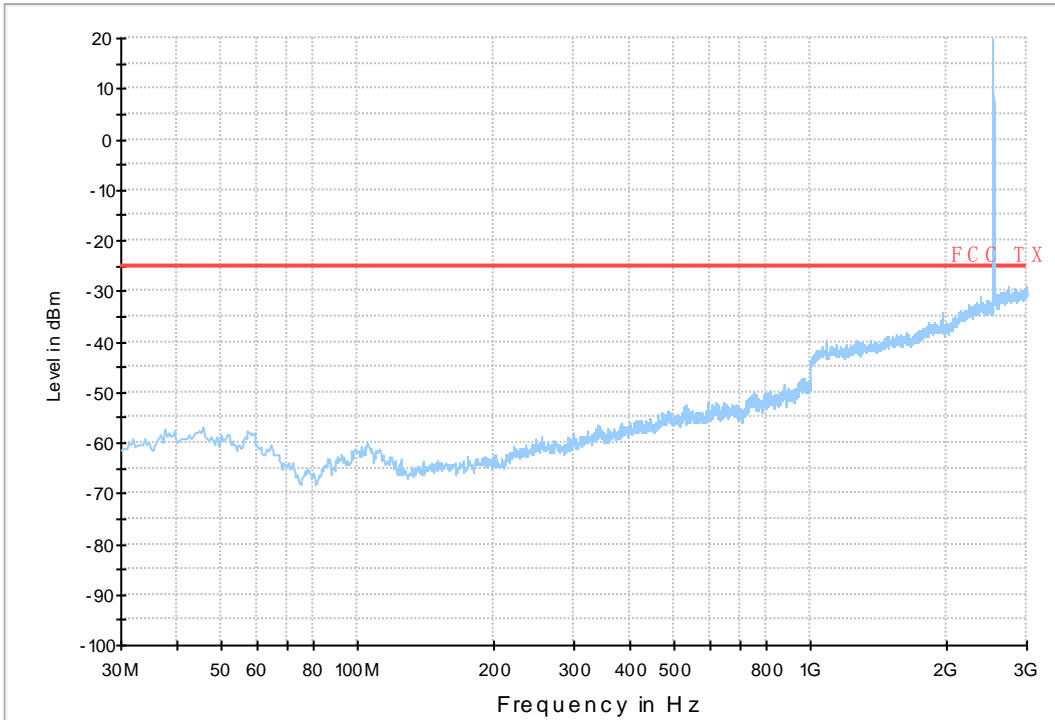
7.1 For LTE

7.1.1 Test Band = BAND7_ANT1

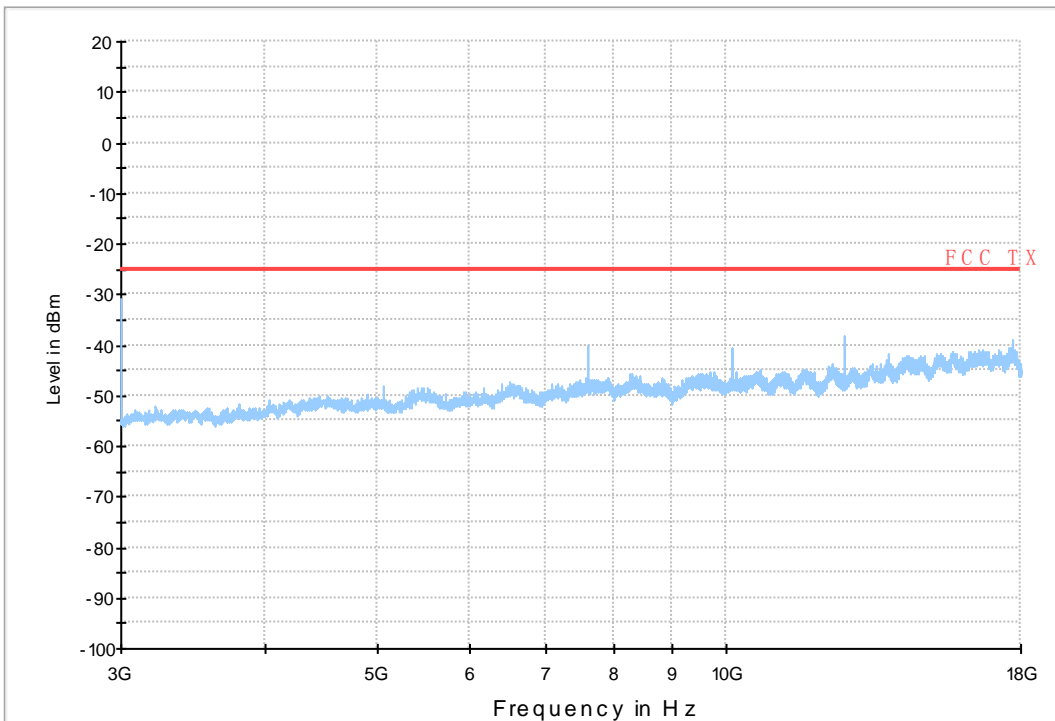
7.1.1.1 Test Bandwidth = 5

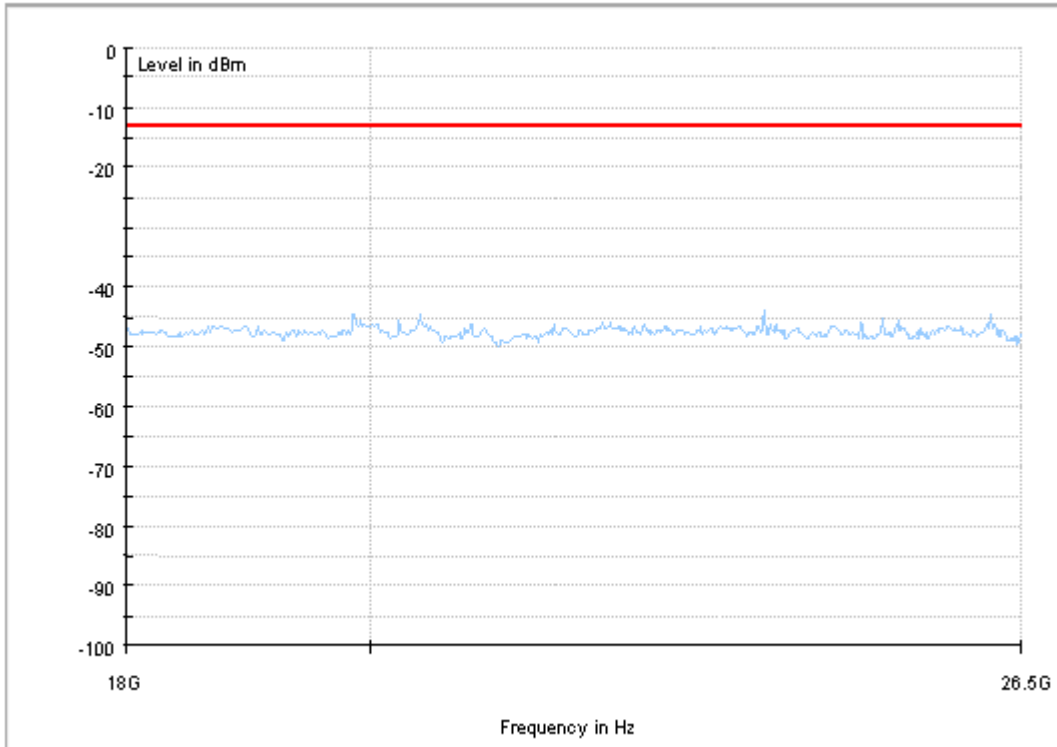


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

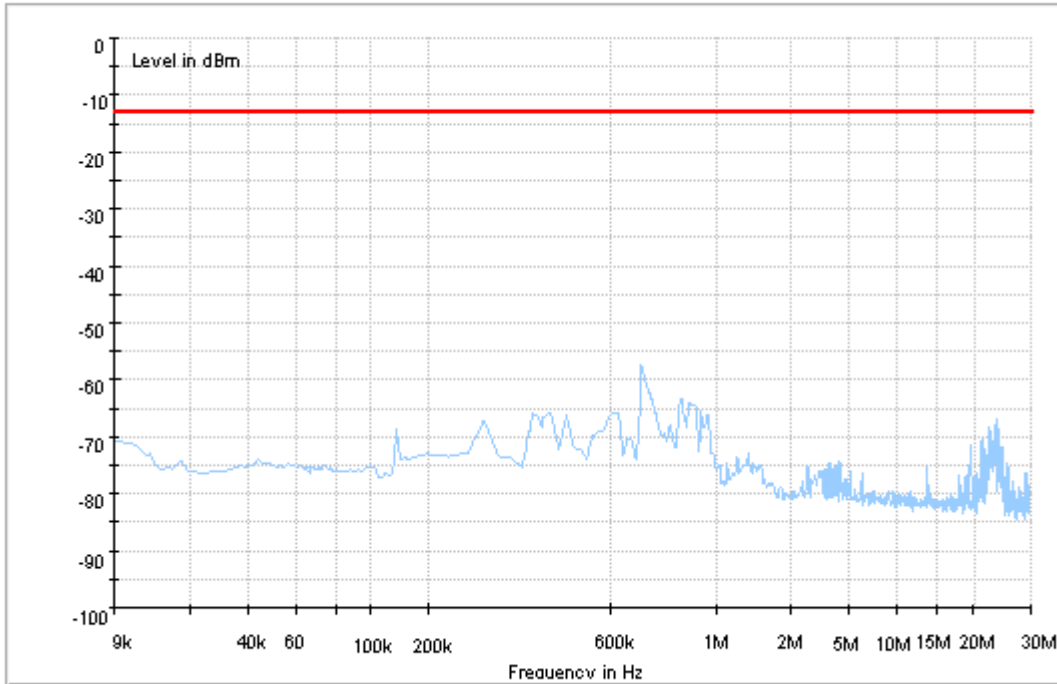


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

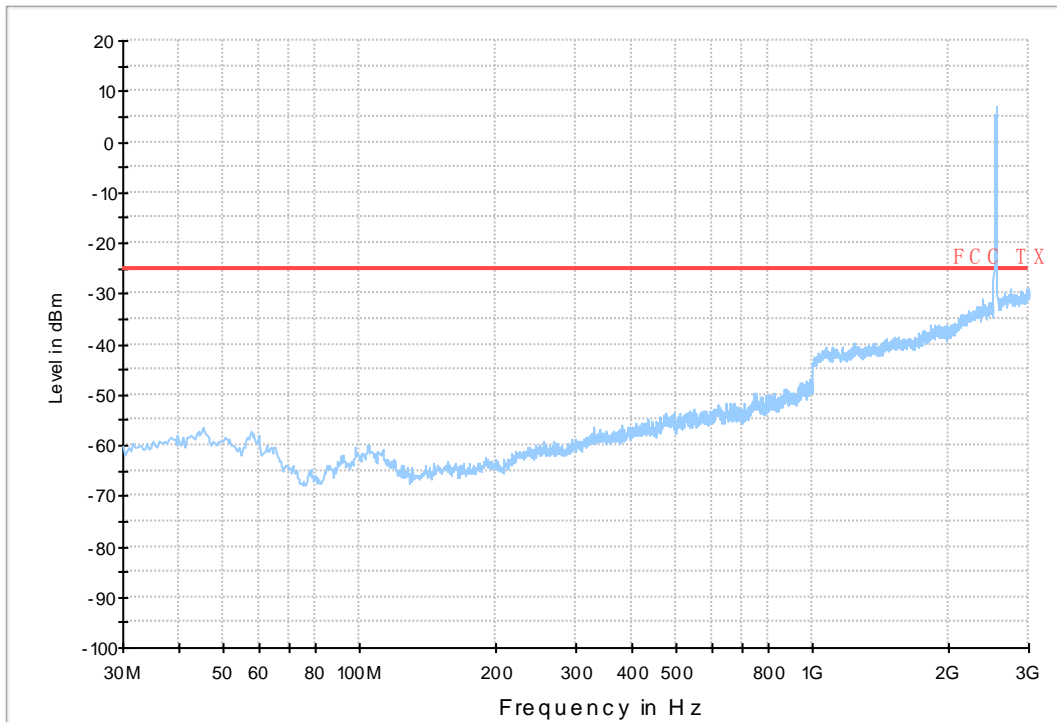




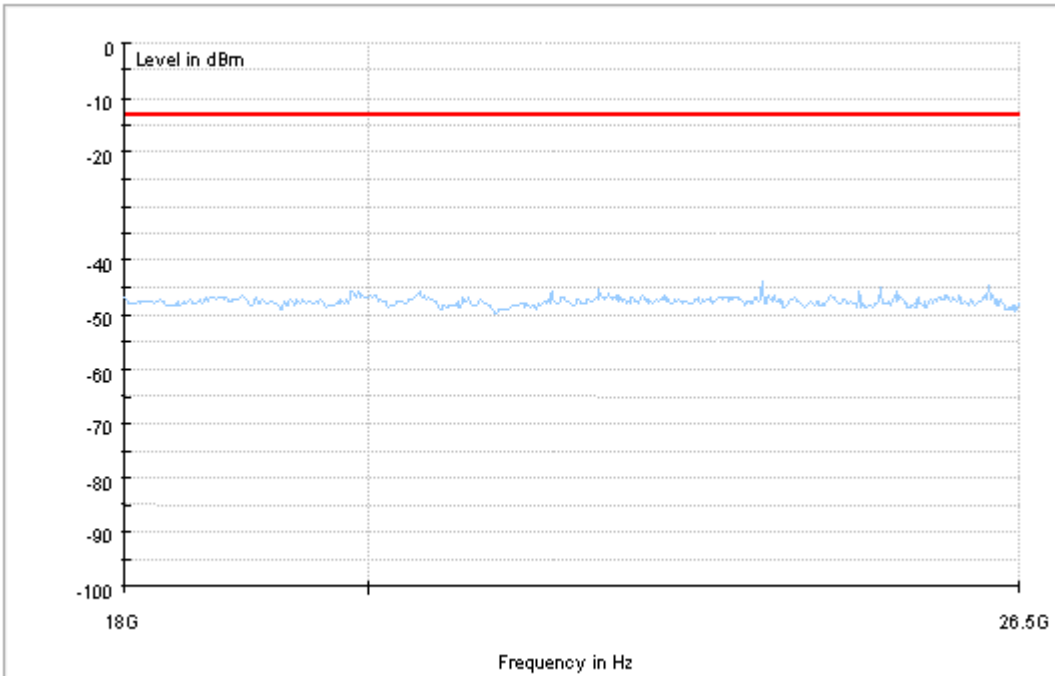
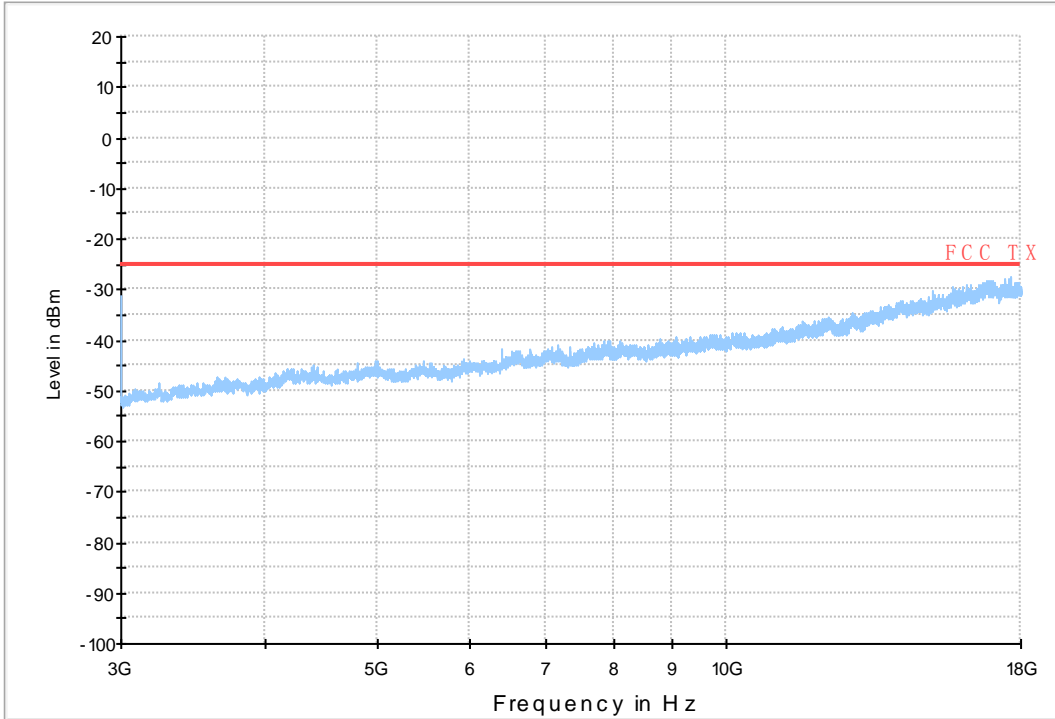
7.1.1.2 Test Bandwidth = 20



Copy of R SE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

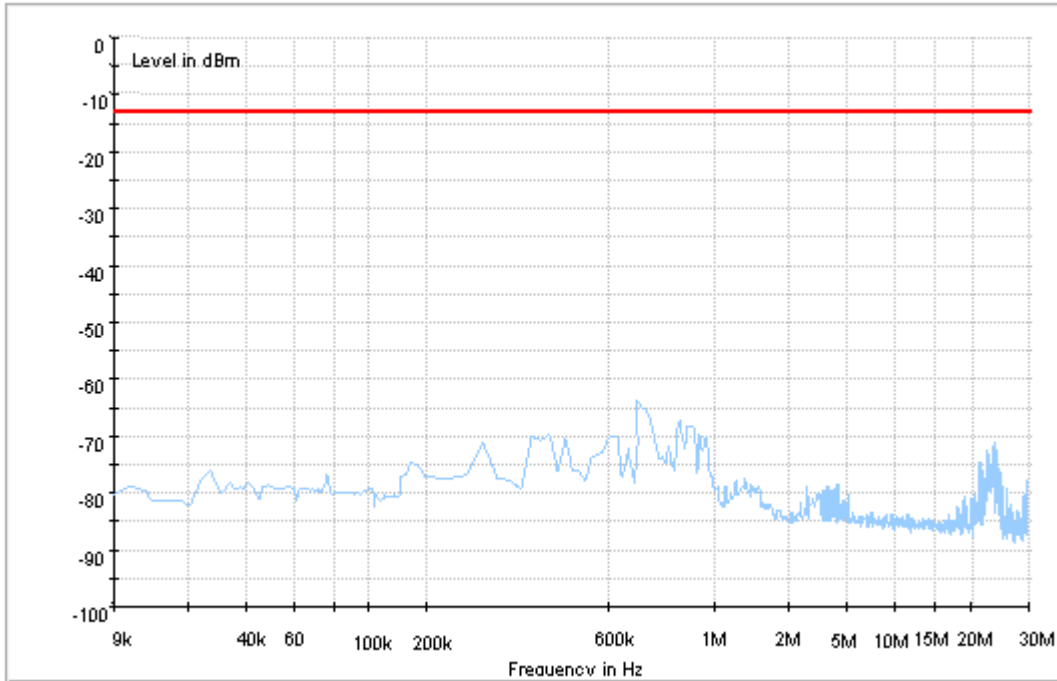


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

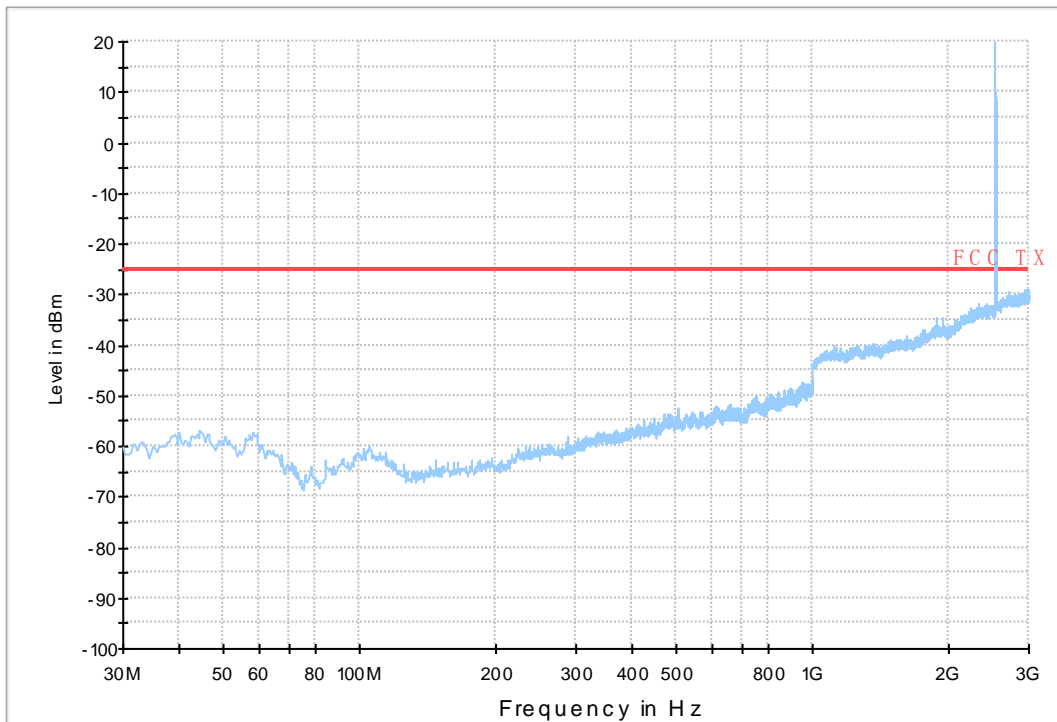


7.1.2 Test Band = BAND7_ANT2

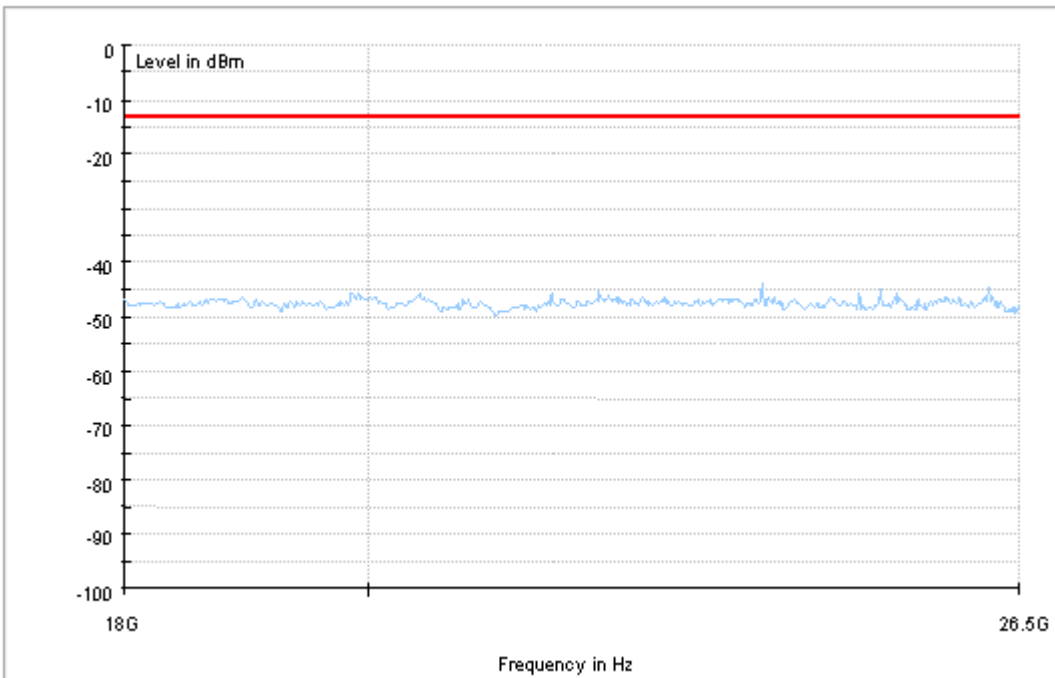
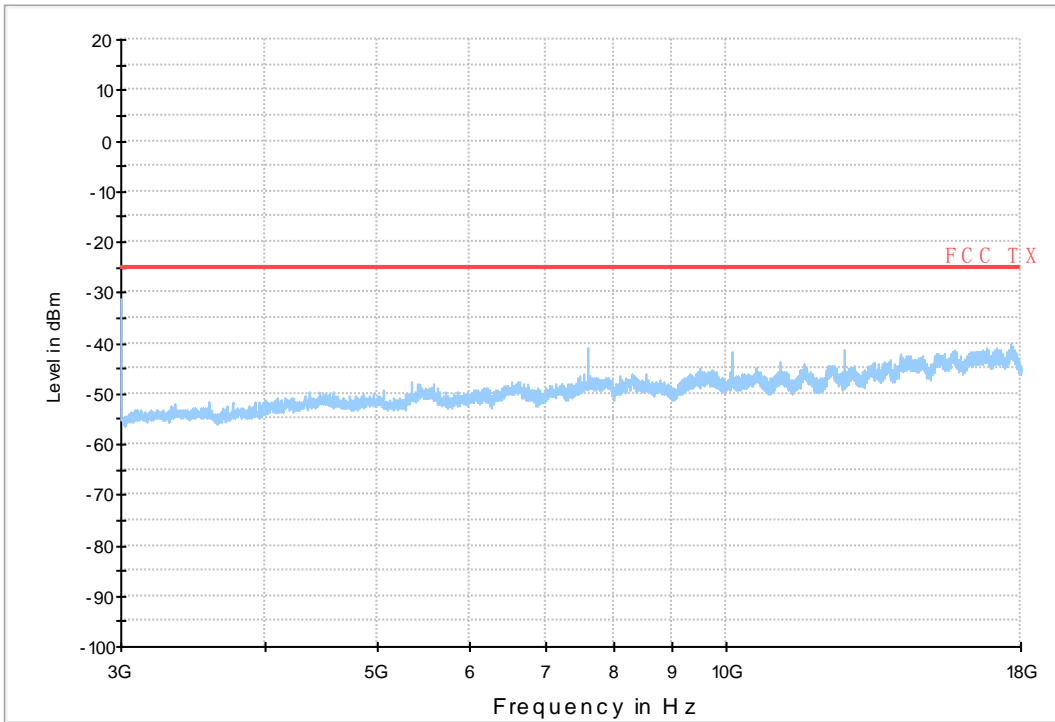
7.1.2.1 Test Bandwidth = 5



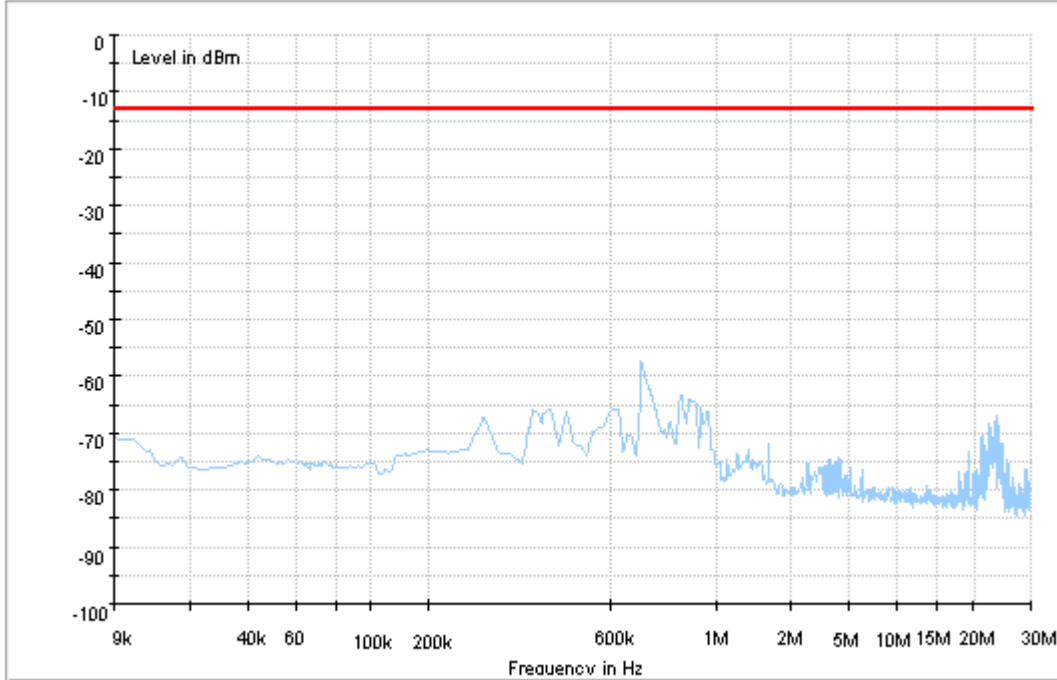
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



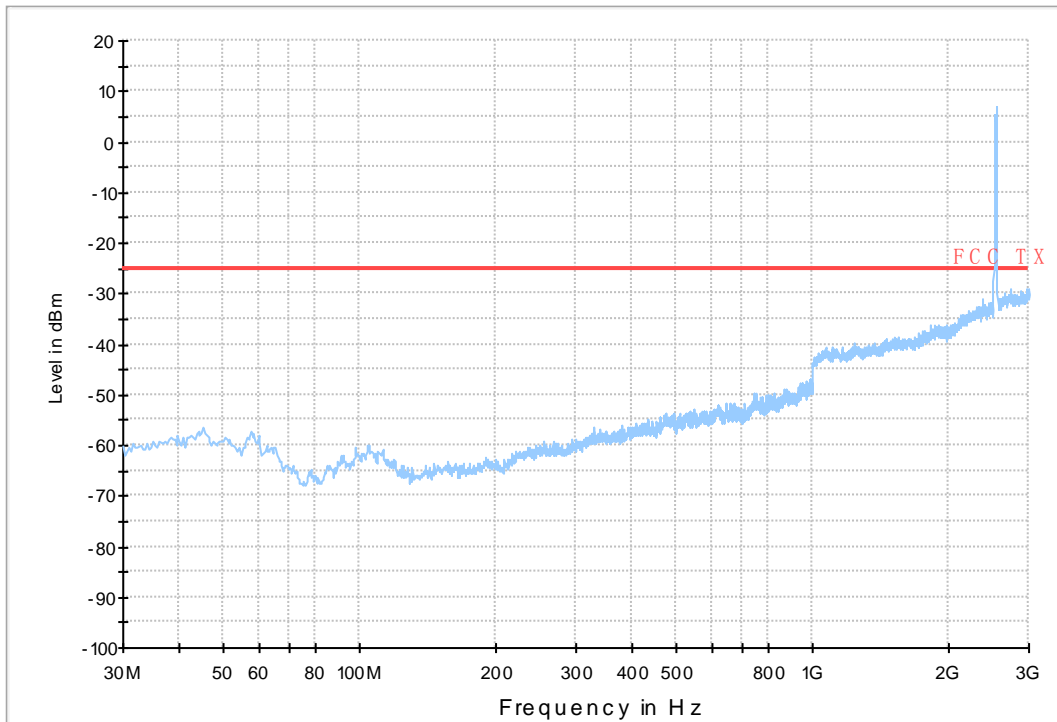
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



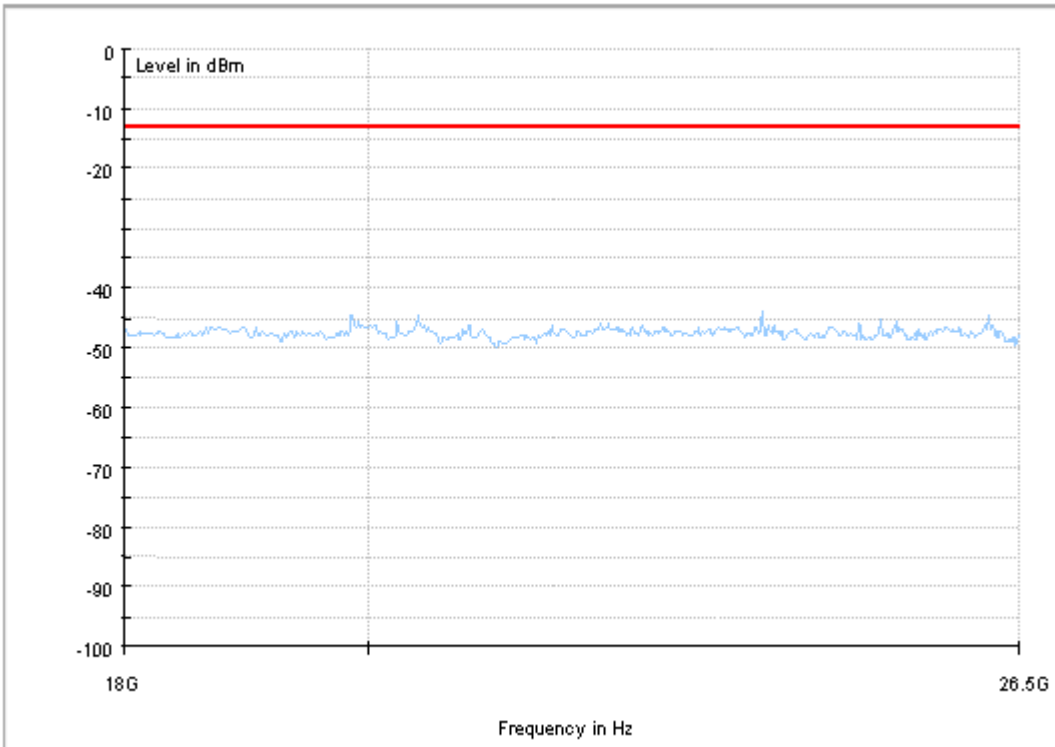
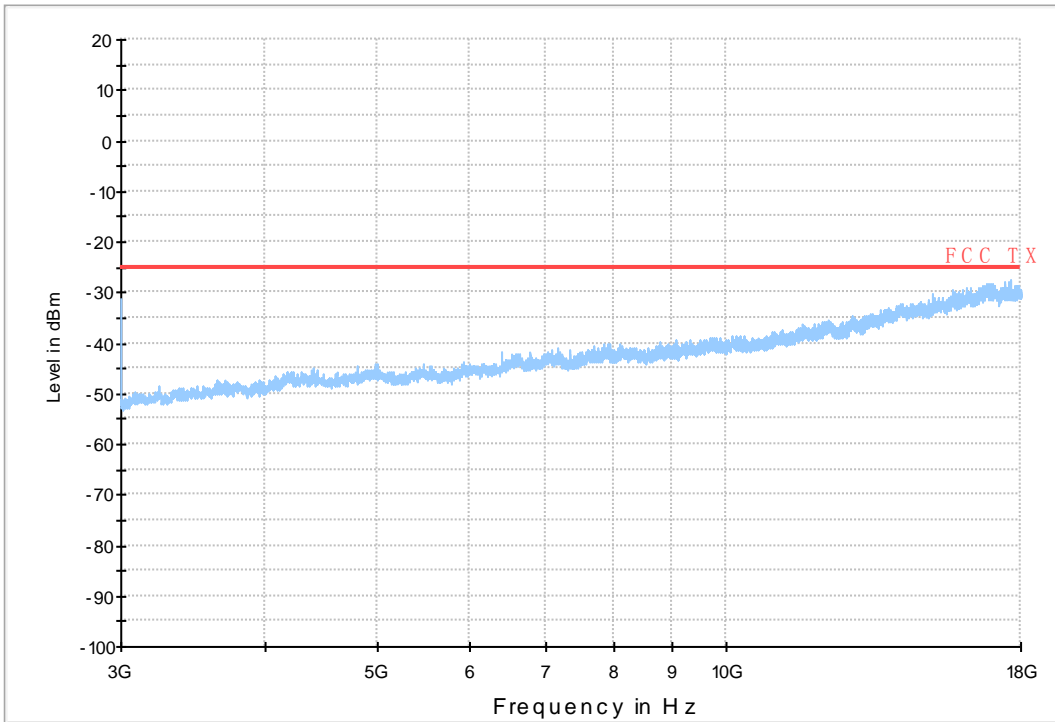
7.1.2.2 Test Bandwidth = 20



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
BAND7	LTE/TM1	5	LCH	TN	VL	3.09	0.00123	PASS
					VN	5.55	0.00222	PASS
					VH	-0.27	-0.00011	PASS
			MCH	TN	VL	4.35	0.00172	PASS
					VN	-34.15	-0.01347	PASS
					VH	2.16	0.00085	PASS
			HCH	TN	VL	-3.86	-0.0015	PASS
					VN	-2.40	-0.00093	PASS
					VH	-6.74	-0.00263	PASS
		10	LCH	TN	VL	5.28	0.00211	PASS
					VN	-0.43	-0.00017	PASS
					VH	1.19	0.00048	PASS
			MCH	TN	VL	1.16	0.00046	PASS
					VN	3.75	0.00148	PASS
					VH	1.47	0.00058	PASS
			HCH	TN	VL	-1.69	-0.00066	PASS
					VN	-10.50	-0.00409	PASS
					VH	-1.76	-0.00069	PASS
		15	LCH	TN	VL	0.41	0.00016	PASS
					VN	-2.00	-0.0008	PASS
					VH	-2.45	-0.00098	PASS
			MCH	TN	VL	1.34	0.00053	PASS
					VN	0.46	0.00018	PASS
					VH	0.96	0.00038	PASS
			HCH	TN	VL	-10.26	-0.004	PASS
					VN	-4.32	-0.00169	PASS
					VH	-6.41	-0.0025	PASS
20	LCH	TN	VL	-0.39	-0.00016	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	0.31	0.00012	PASS		
					VH	0.79	0.00031	PASS		
					MCH	TN	VL	1.24	0.00049	PASS
							VN	0.54	0.00021	PASS
					VH	-0.74	-0.00029	PASS		
					HCH	TN	VL	1.76	0.00069	PASS
			VN	-0.46			-0.00018	PASS		
			VH	-1.16			-0.00045	PASS		
			LTE/TM2	5	LCH	TN	VL	3.23	0.00129	PASS
							VN	-2.30	-0.00092	PASS
							VH	-0.51	-0.0002	PASS
							MCH	TN	VL	-10.44
	VN	0.63							0.00025	PASS
	VH	-21.47					-0.00847	PASS		
	HCH	TN			VL	-4.59	-0.00179	PASS		
					VN	-2.90	-0.00113	PASS		
					VH	-8.63	-0.00336	PASS		
	10	LCH			TN	VL	4.38	0.00175	PASS	
						VN	-0.30	-0.00012	PASS	
						VH	-1.63	-0.00065	PASS	
		MCH			TN	VL	-1.09	-0.00043	PASS	
						VN	-19.15	-0.00755	PASS	
						VH	-21.66	-0.00854	PASS	
	HCH	TN			VL	-6.15	-0.0024	PASS		
					VN	-2.83	-0.0011	PASS		
					VH	2.07	0.00081	PASS		
	15	LCH		TN	VL	0.74	0.0003	PASS		
					VN	-1.10	-0.00044	PASS		
					VH	-0.43	-0.00017	PASS		
		MCH		TN	VL	0.77	0.0003	PASS		
					VN	0.67	0.00026	PASS		
					VH	1.24	0.00049	PASS		
		HCH	TN	VL	-4.58	-0.00179	PASS			
				VN	-3.39	-0.00132	PASS			
				VH	-6.55	-0.00256	PASS			
	20	LCH	TN	VL	3.05	0.00122	PASS			
				VN	-1.44	-0.00057	PASS			
				VH	-2.63	-0.00105	PASS			
	MCH	TN	VL	0.17	0.00007	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.06	0.00002	PASS
					VH	-1.89	-0.00075	PASS
			HCH	TN	VL	-0.43	-0.00017	PASS
					VN	-1.20	-0.00047	PASS
					VH	0.17	0.00007	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	4.61	0.00184	PASS
					-20	1.00	0.0004	PASS
					-10	-0.01	0	PASS
					0	0.46	0.00018	PASS
					10	-0.56	-0.00022	PASS
					20	-1.87	-0.00075	PASS
					30	-1.27	-0.00051	PASS
					40	-0.31	-0.00012	PASS
			50	-1.54	-0.00062	PASS		
			MCH	VN	-30	-1.77	-0.0007	PASS
					-20	-28.51	-0.01125	PASS
					-10	-11.44	-0.00451	PASS
					0	-13.26	-0.00523	PASS
					10	-11.37	-0.00449	PASS
					20	-17.42	-0.00687	PASS
					30	1.04	0.00041	PASS
					40	2.26	0.00089	PASS
			50	-3.33	-0.00131	PASS		
			HCH	VN	-30	0.49	0.00019	PASS
					-20	-2.82	-0.0011	PASS
					-10	-1.95	-0.00076	PASS
					0	-14.19	-0.00553	PASS
					10	-6.69	-0.00261	PASS
					20	-19.58	-0.00763	PASS
		30			-1.56	-0.00061	PASS	
		40			-1.07	-0.00042	PASS	
		50	-5.46	-0.00213	PASS			
10	LCH	VN	-30	7.98	0.00319	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		15			-20	-2.29	-0.00091	PASS	
					-10	-1.13	-0.00045	PASS	
					0	1.63	0.00065	PASS	
					10	0.89	0.00036	PASS	
					20	-1.54	-0.00061	PASS	
					30	0.29	0.00012	PASS	
					40	1.20	0.00048	PASS	
					50	-0.79	-0.00032	PASS	
			MCH	VN	-30	-10.17	-0.00401	PASS	
					-20	2.12	0.00084	PASS	
					-10	2.32	0.00092	PASS	
					0	0.49	0.00019	PASS	
					10	-2.65	-0.00105	PASS	
					20	-19.27	-0.0076	PASS	
					30	-12.15	-0.00479	PASS	
					40	1.23	0.00049	PASS	
			HCH	VN	-30	0.44	0.00017	PASS	
					-20	-8.08	-0.00315	PASS	
					-10	-6.49	-0.00253	PASS	
					0	-4.56	-0.00178	PASS	
					10	0.30	0.00012	PASS	
					20	0.67	0.00026	PASS	
					30	-1.77	-0.00069	PASS	
					40	-2.92	-0.00114	PASS	
			15	LCH	VN	-30	4.84	0.00193	PASS
						-20	1.86	0.00074	PASS
						-10	-0.37	-0.00015	PASS
						0	-0.86	-0.00034	PASS
		10				-2.10	-0.00084	PASS	
		20				0.00	0	PASS	
		30				1.12	0.00045	PASS	
		40				0.53	0.00021	PASS	
		50		-0.84	-0.00033	PASS			
		MCH		VN	-30	0.60	0.00024	PASS	
					-20	1.03	0.00041	PASS	
					-10	-1.02	-0.0004	PASS	
			0		-5.99	-0.00236	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.06	0.00002	PASS
					20	2.03	0.0008	PASS
					30	0.09	0.00004	PASS
					40	1.75	0.00069	PASS
					50	0.20	0.00008	PASS
			HCH	VN	-30	-0.86	-0.00034	PASS
					-20	-4.99	-0.00195	PASS
					-10	-4.19	-0.00164	PASS
					0	-2.90	-0.00113	PASS
					10	-2.13	-0.00083	PASS
					20	-3.75	-0.00146	PASS
					30	0.03	0.00001	PASS
					40	-2.32	-0.00091	PASS
					50	-0.40	-0.00016	PASS
					LCH	VN	-30	4.06
			-20	-3.16			-0.00126	PASS
			-10	-2.02			-0.0008	PASS
			0	-1.52			-0.00061	PASS
			10	-1.32			-0.00053	PASS
			20	-1.10			-0.00044	PASS
		30	-1.65	-0.00066			PASS	
		40	-1.03	-0.00041			PASS	
		50	-0.24	-0.0001			PASS	
		MCH	VN	-30			1.89	0.00075
				-20	0.17	0.00007	PASS	
				-10	0.03	0.00001	PASS	
				0	0.69	0.00027	PASS	
				10	-0.96	-0.00038	PASS	
				20	1.79	0.00071	PASS	
				30	0.92	0.00036	PASS	
				40	-1.49	-0.00059	PASS	
		HCH	VN	50	1.17	0.00046	PASS	
				-30	-2.57	-0.001	PASS	
				-20	2.63	0.00103	PASS	
				-10	0.00	0	PASS	
				0	0.69	0.00027	PASS	
				10	1.63	0.00064	PASS	
				20	-0.74	-0.00029	PASS	
				30	1.12	0.00044	PASS	
		20						

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	40	3.85	0.0015	PASS
					50	1.07	0.00042	PASS
					-30	3.86	0.00154	PASS
					-20	2.82	0.00113	PASS
					-10	1.26	0.0005	PASS
					0	6.72	0.00269	PASS
					10	1.53	0.00061	PASS
					20	0.51	0.0002	PASS
					30	-1.63	-0.00065	PASS
					40	3.59	0.00143	PASS
			50	3.22	0.00129	PASS		
			MCH	VN	-30	-1.17	-0.00046	PASS
					-20	1.57	0.00062	PASS
					-10	-1.00	-0.00039	PASS
					0	-2.09	-0.00082	PASS
					10	-24.85	-0.0098	PASS
					20	1.59	0.00063	PASS
					30	0.46	0.00018	PASS
					40	-3.98	-0.00157	PASS
					50	1.52	0.0006	PASS
		HCH			VN	-30	-19.37	-0.00754
			-20	-14.25		-0.00555	PASS	
			-10	-4.09		-0.00159	PASS	
			0	-2.20		-0.00086	PASS	
			10	-3.45		-0.00134	PASS	
			20	-2.86		-0.00111	PASS	
			30	7.28		0.00284	PASS	
			40	-1.17		-0.00046	PASS	
			50	0.99		0.00039	PASS	
			10	LCH		VN	-30	4.13
		-20			-1.02		-0.00041	PASS
		-10			0.17		0.00007	PASS
		0			-1.52		-0.00061	PASS
		10			-3.06		-0.00122	PASS
		20			0.06		0.00002	PASS
		30			-0.73		-0.00029	PASS
		40			1.47		0.00059	PASS
		50			-0.13		-0.00005	PASS
		MCH			VN		-30	-9.08

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	-12.43	-0.0049	PASS		
					-10	-0.31	-0.00012	PASS		
					0	1.10	0.00043	PASS		
					10	-10.74	-0.00424	PASS		
					20	-12.80	-0.00505	PASS		
					30	-2.63	-0.00104	PASS		
					40	-11.90	-0.00469	PASS		
					50	1.34	0.00053	PASS		
			HCH	VN	-30	-3.16	-0.00123	PASS		
					-20	-1.85	-0.00072	PASS		
					-10	-4.88	-0.0019	PASS		
					0	-3.68	-0.00143	PASS		
					10	-0.96	-0.00037	PASS		
					20	-4.21	-0.00164	PASS		
					30	-2.36	-0.00092	PASS		
					40	-2.09	-0.00081	PASS		
			LCH	VN	-30	4.73	0.00189	PASS		
					-20	2.76	0.0011	PASS		
					-10	-3.10	-0.00124	PASS		
					0	1.76	0.0007	PASS		
		10			-1.72	-0.00069	PASS			
		20			0.00	0	PASS			
		30			0.56	0.00022	PASS			
		40			-1.09	-0.00043	PASS			
		MCH	VN	-30	1.12	0.00044	PASS			
				-20	0.70	0.00028	PASS			
				-10	1.10	0.00043	PASS			
				0	-7.15	-0.00282	PASS			
				10	-6.58	-0.0026	PASS			
				20	-7.51	-0.00296	PASS			
				30	1.62	0.00064	PASS			
				40	2.10	0.00083	PASS			
		HCH	VN	-30	-0.72	-0.00028	PASS			
				-20	-7.48	-0.00292	PASS			
				-10	-3.00	-0.00117	PASS			
				0	-3.85	-0.0015	PASS			
		15								

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	-1.09	-0.00043	PASS			
					20	-8.51	-0.00332	PASS			
					30	-1.02	-0.0004	PASS			
					40	-0.74	-0.00029	PASS			
					50	-1.42	-0.00055	PASS			
					20	LCH	VN	-30	3.85	0.00153	PASS
								-20	-0.60	-0.00024	PASS
								-10	-1.09	-0.00043	PASS
								0	0.36	0.00014	PASS
								10	1.17	0.00047	PASS
		20	-0.54	-0.00022				PASS			
		30	1.34	0.00053				PASS			
		40	-0.41	-0.00016				PASS			
		50	-0.47	-0.00019				PASS			
		20	MCH	VN				-30	1.32	0.00052	PASS
					-20	1.06	0.00042	PASS			
					-10	2.09	0.00082	PASS			
					0	-0.50	-0.0002	PASS			
					10	-0.17	-0.00007	PASS			
					20	1.23	0.00049	PASS			
					30	2.50	0.00099	PASS			
					40	0.01	0	PASS			
					50	3.65	0.00144	PASS			
					20	HCH	VN	-30	0.99	0.00039	PASS
		-20	-1.54	-0.0006				PASS			
		-10	0.53	0.00021				PASS			
		0	1.69	0.00066				PASS			
		10	-1.59	-0.00062				PASS			
		20	0.49	0.00019				PASS			
		30	1.30	0.00051				PASS			
		40	2.02	0.00079				PASS			
		50	2.20	0.00086				PASS			

END