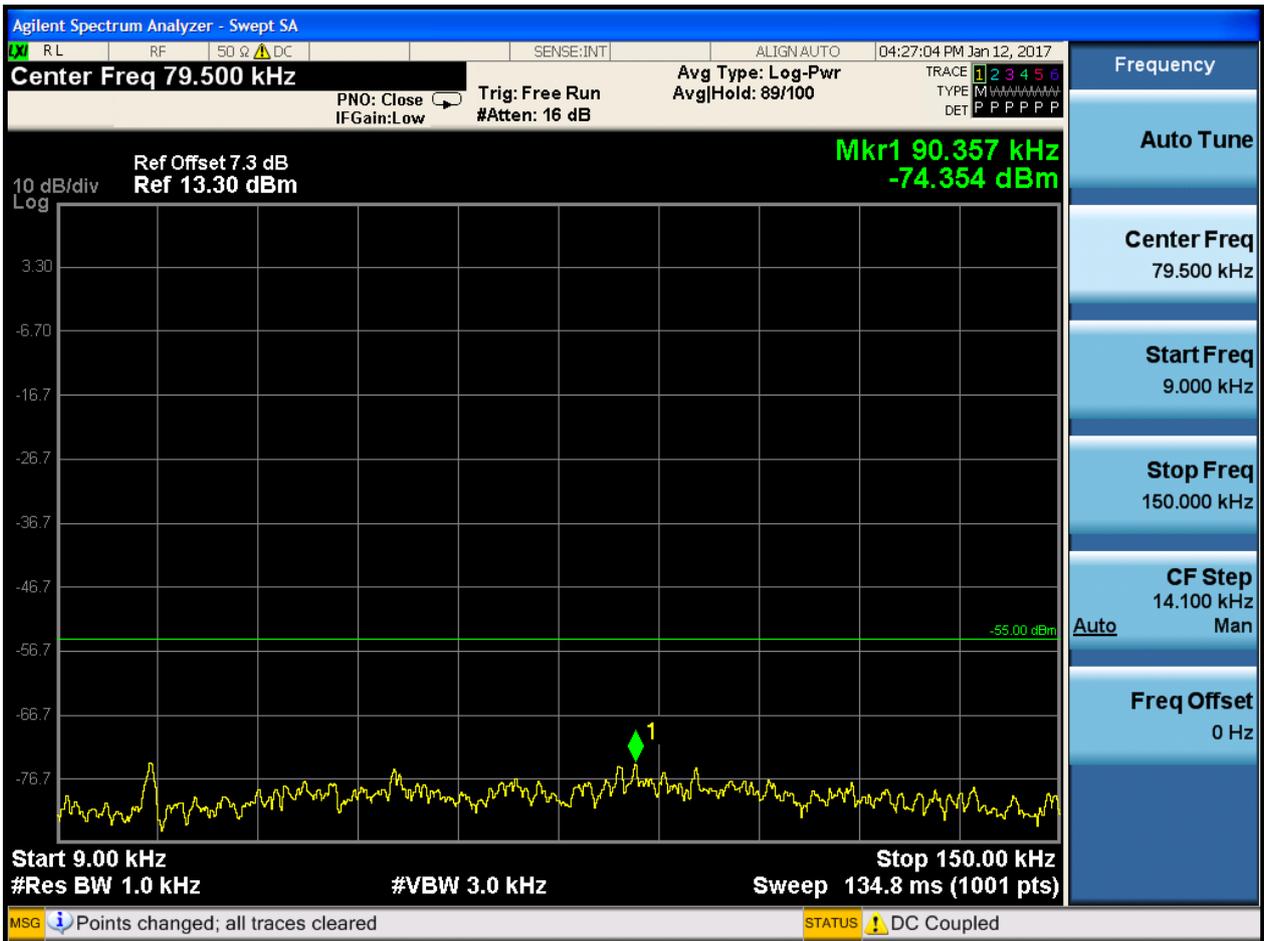


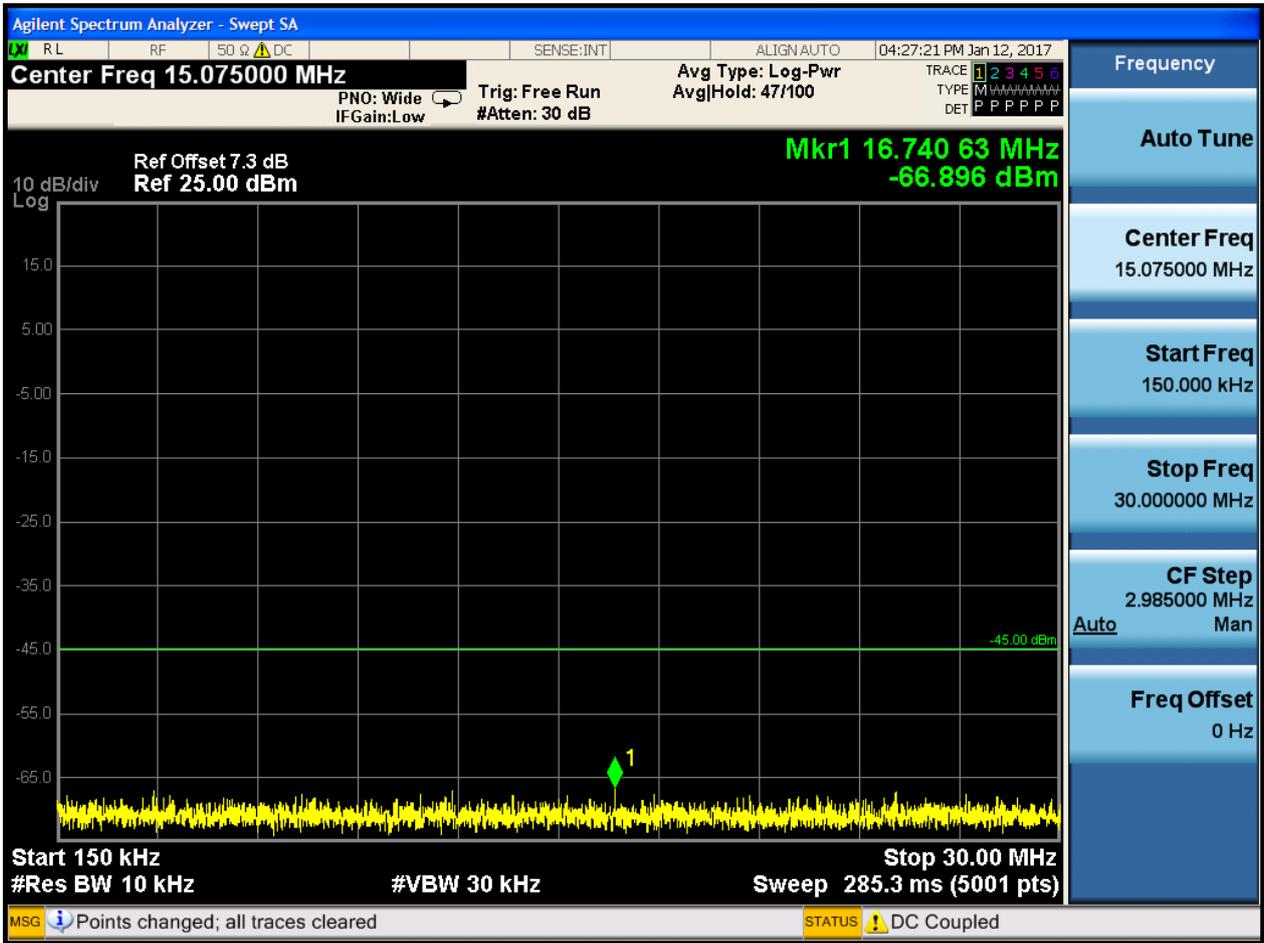


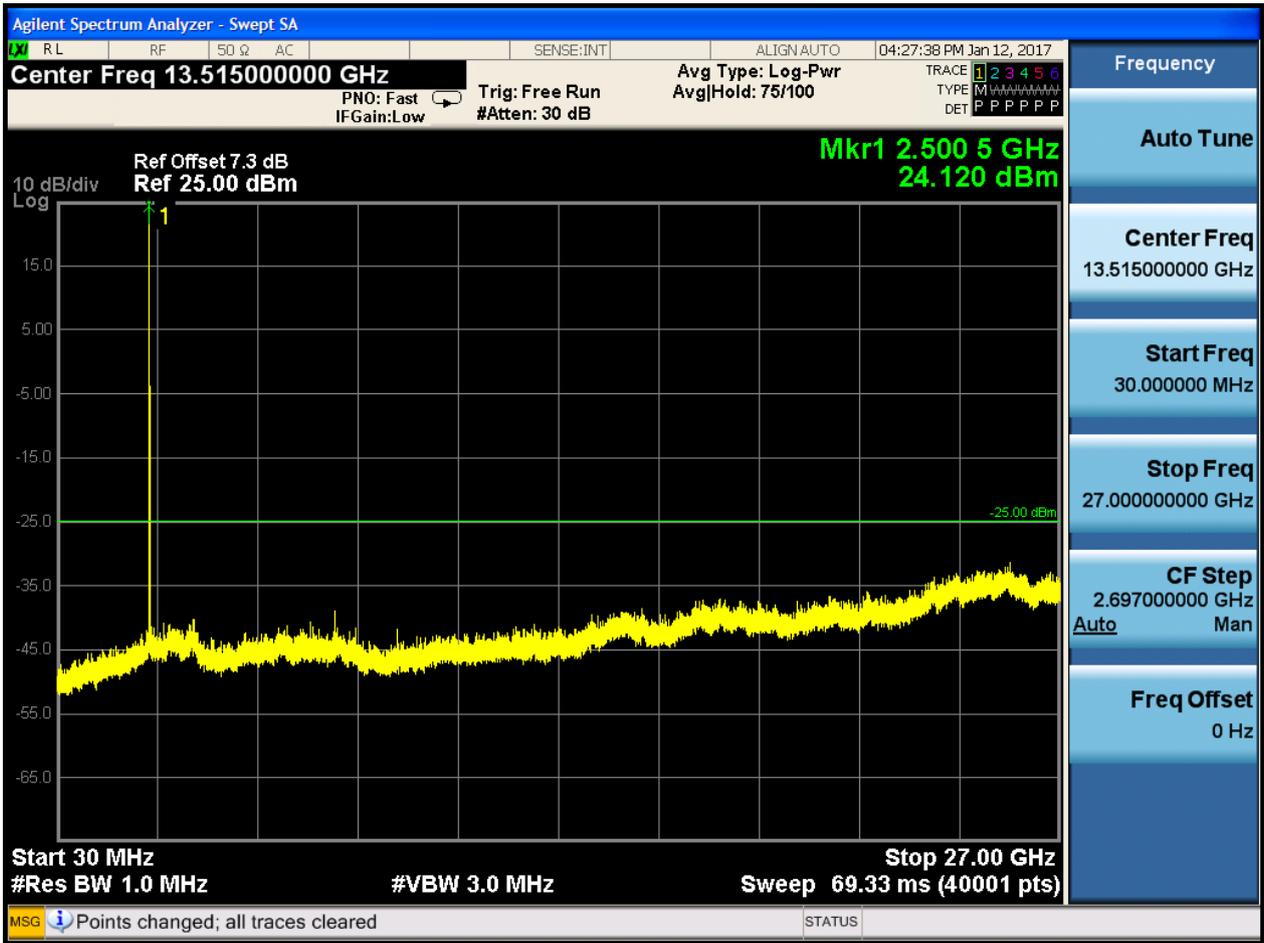
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.5.1.1 Test RB = RB1#0









6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

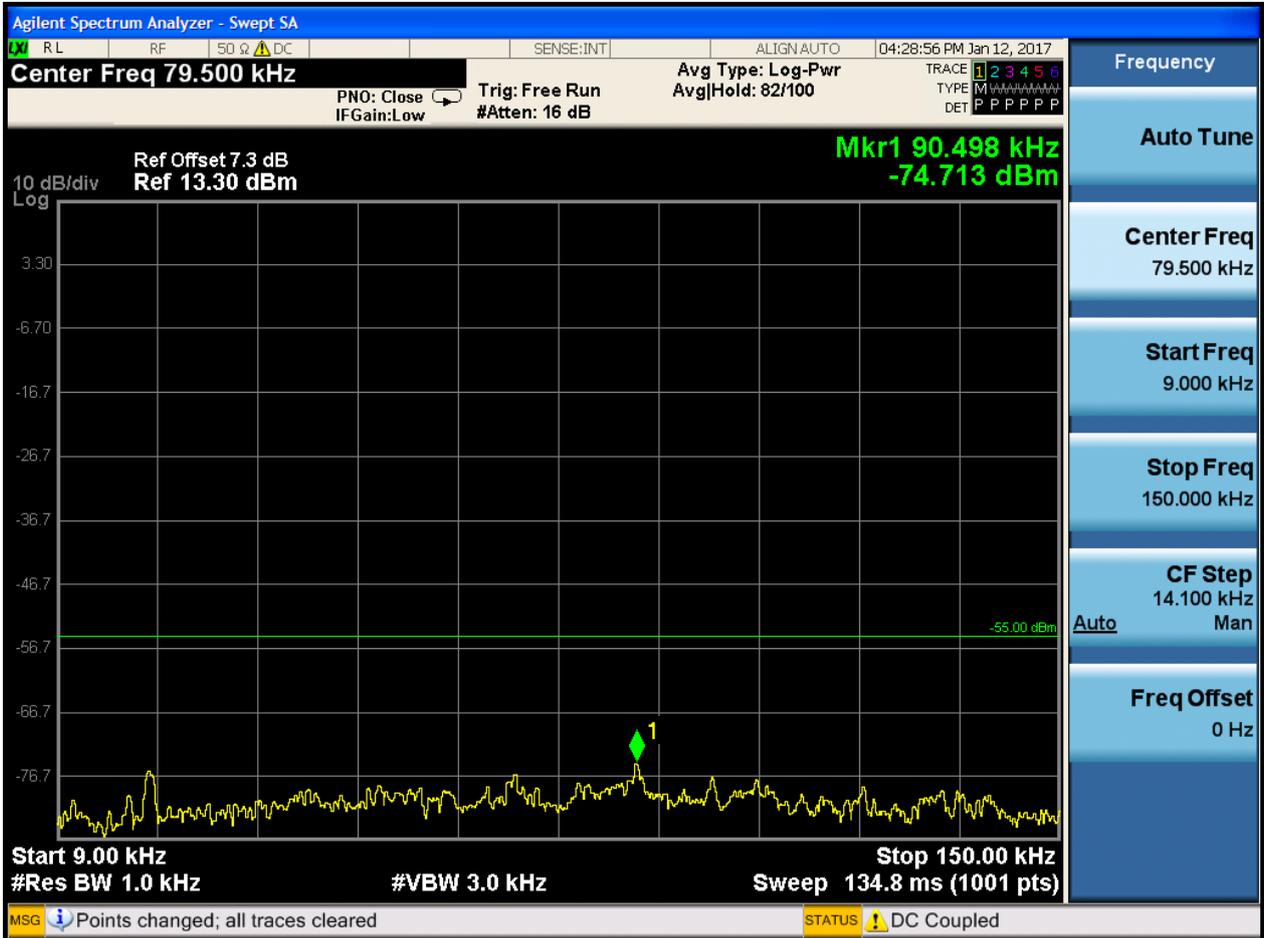


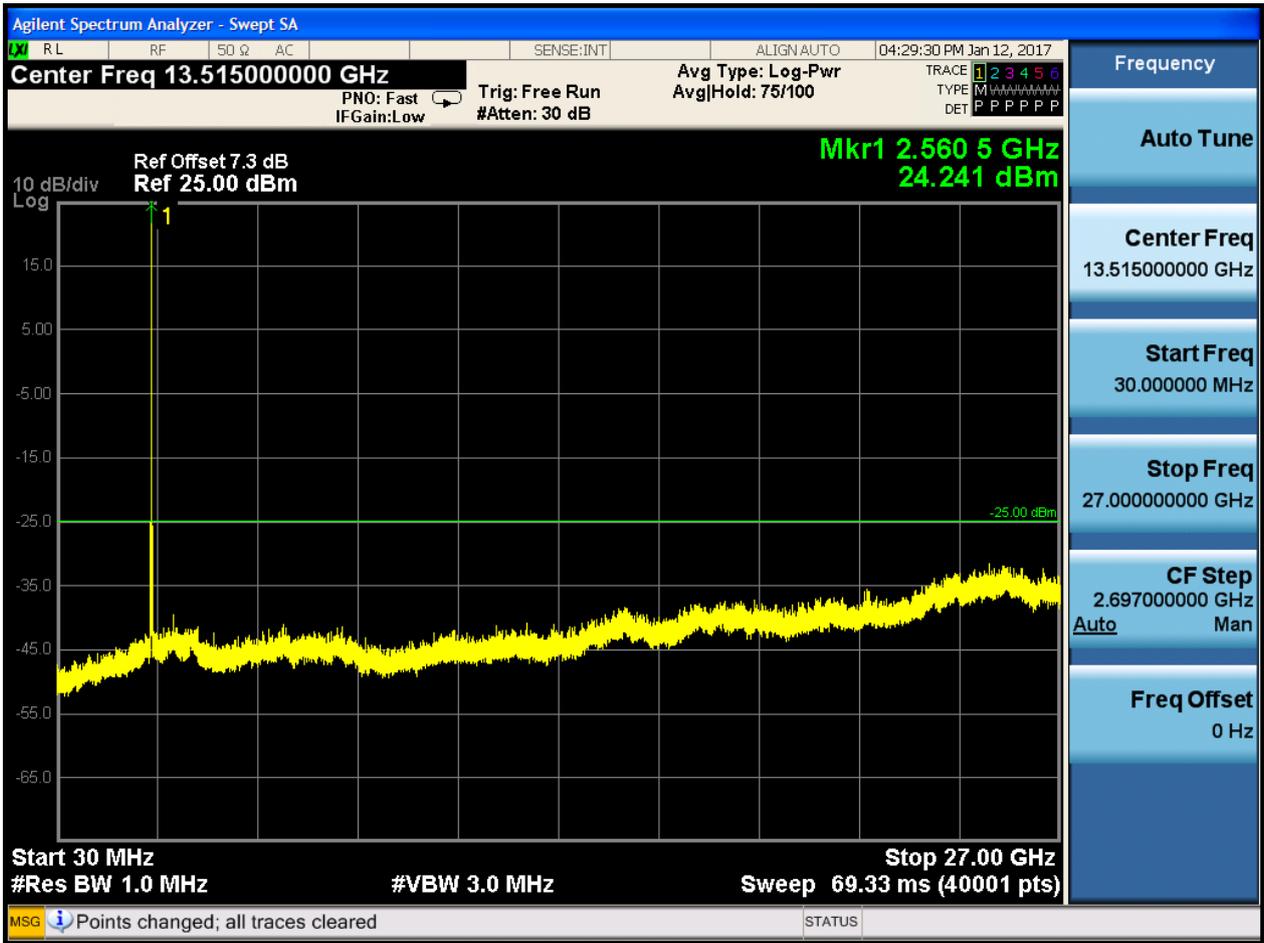




6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



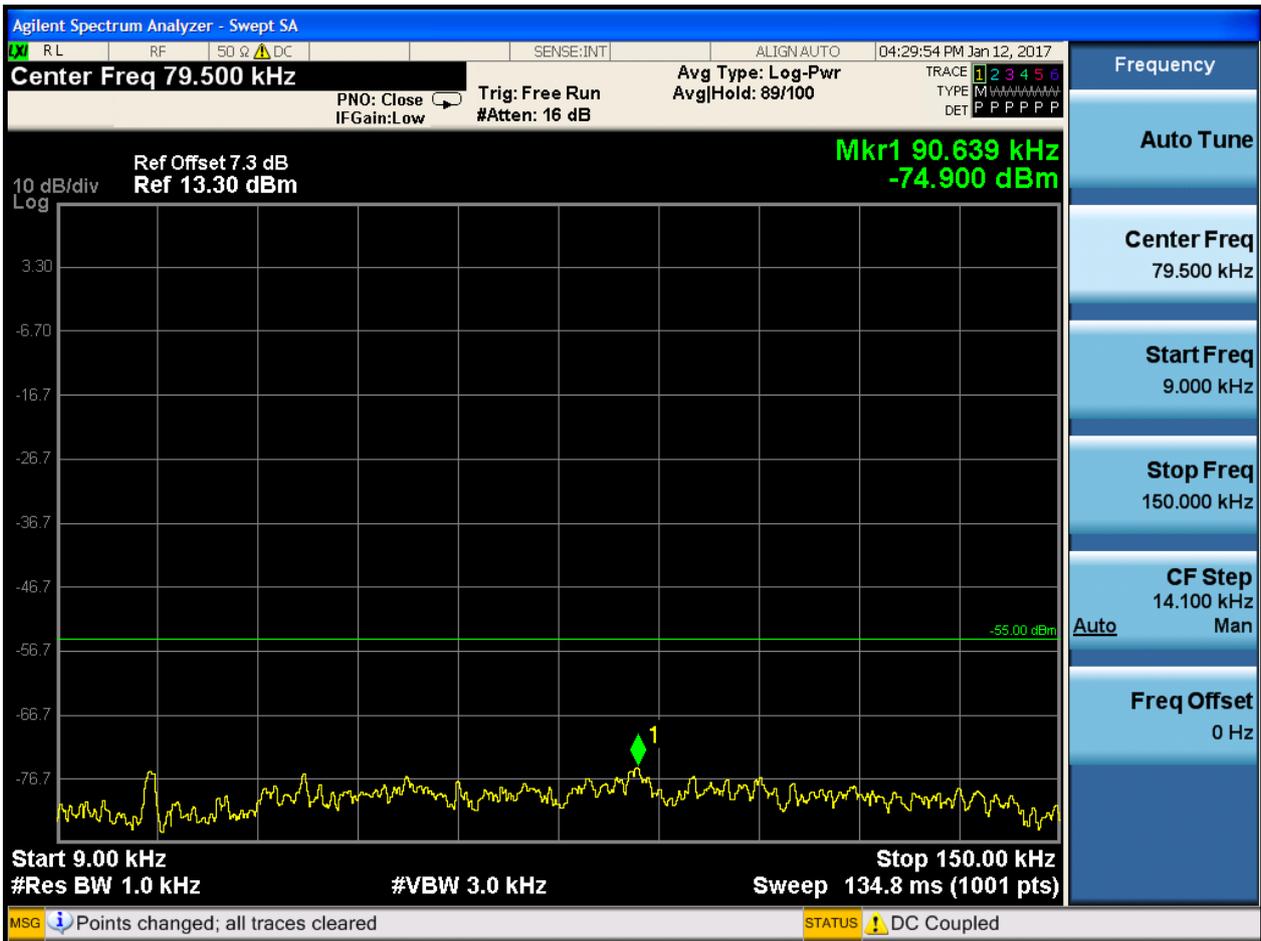




6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

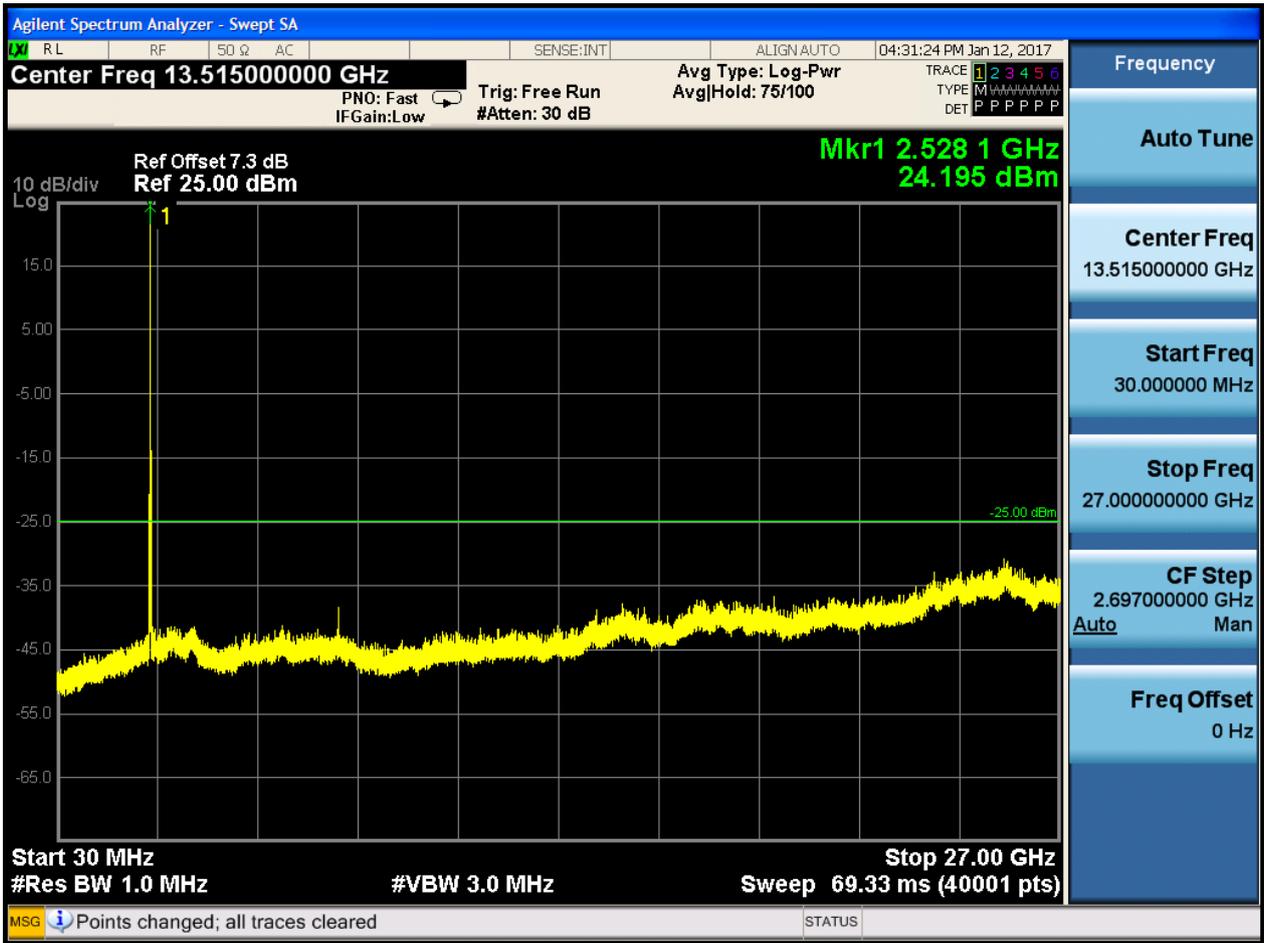




6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

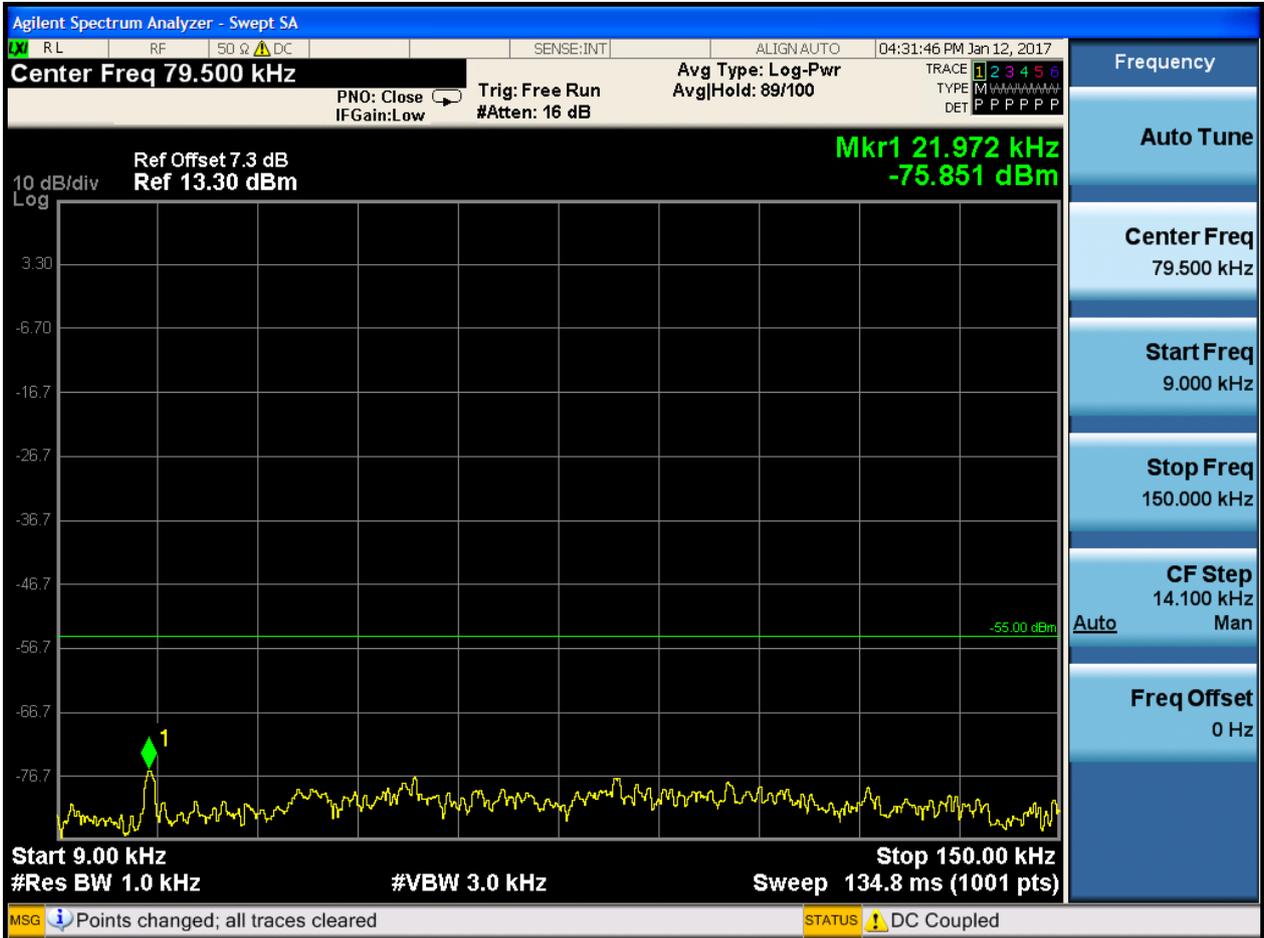


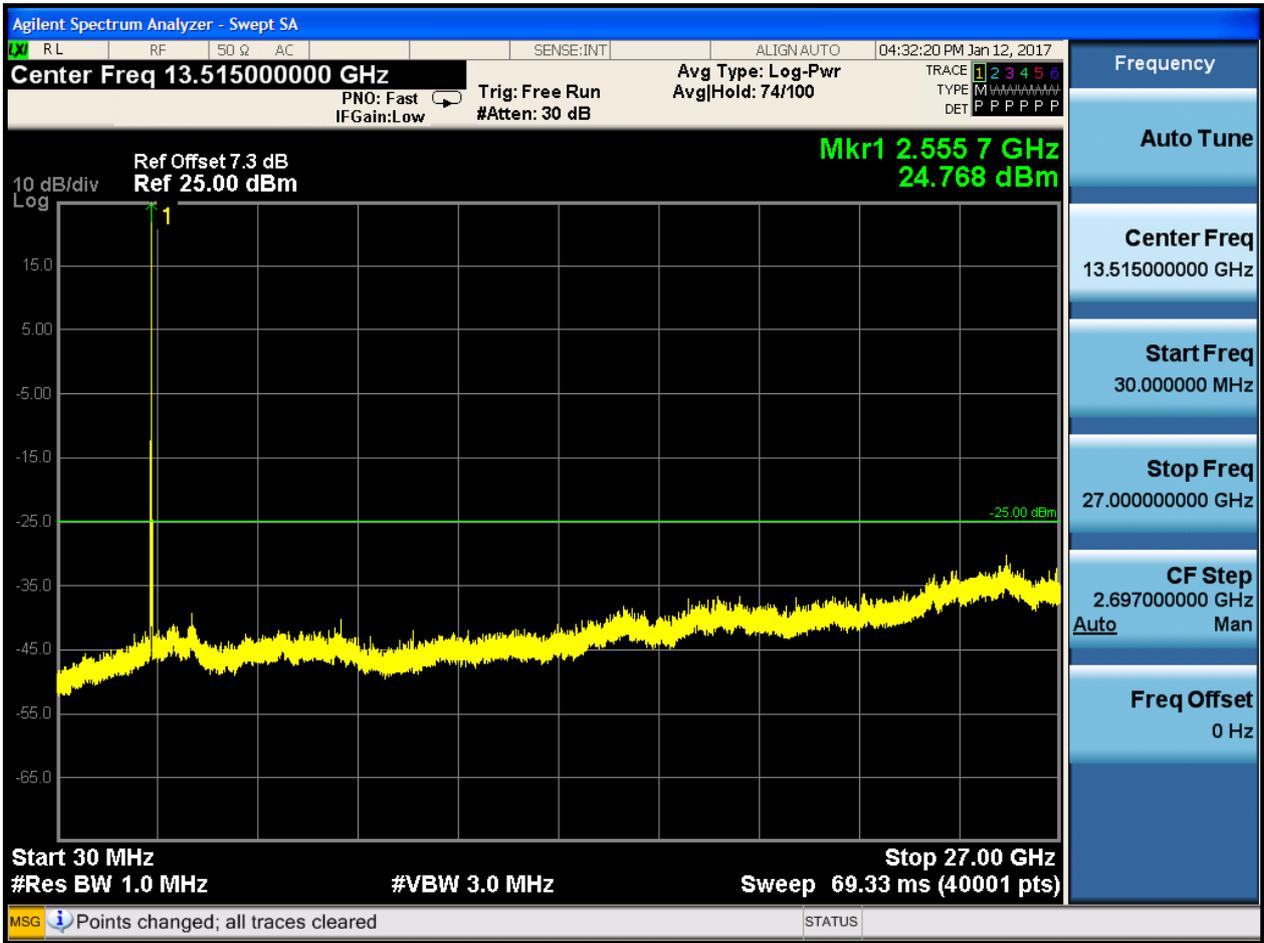




6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



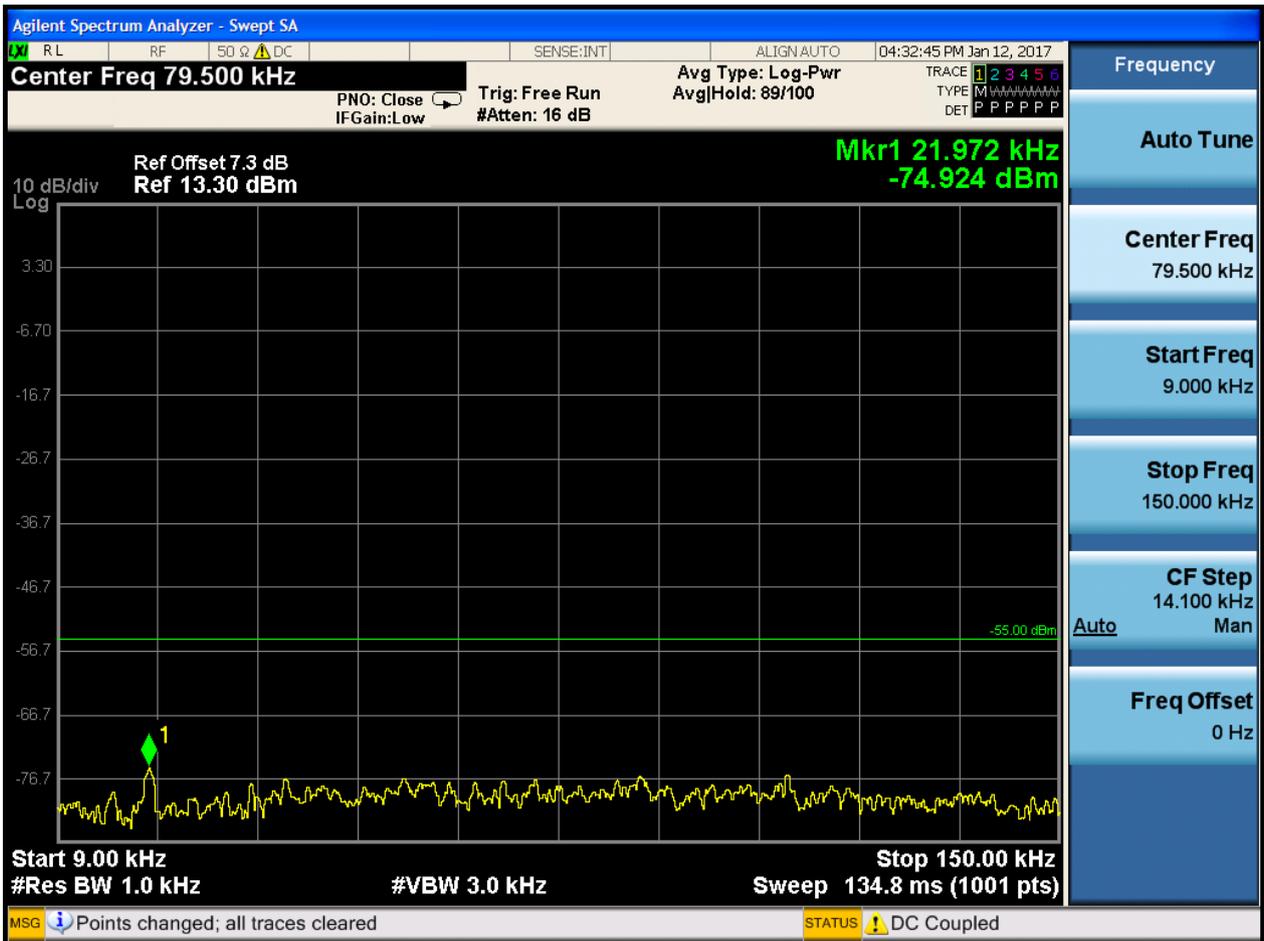


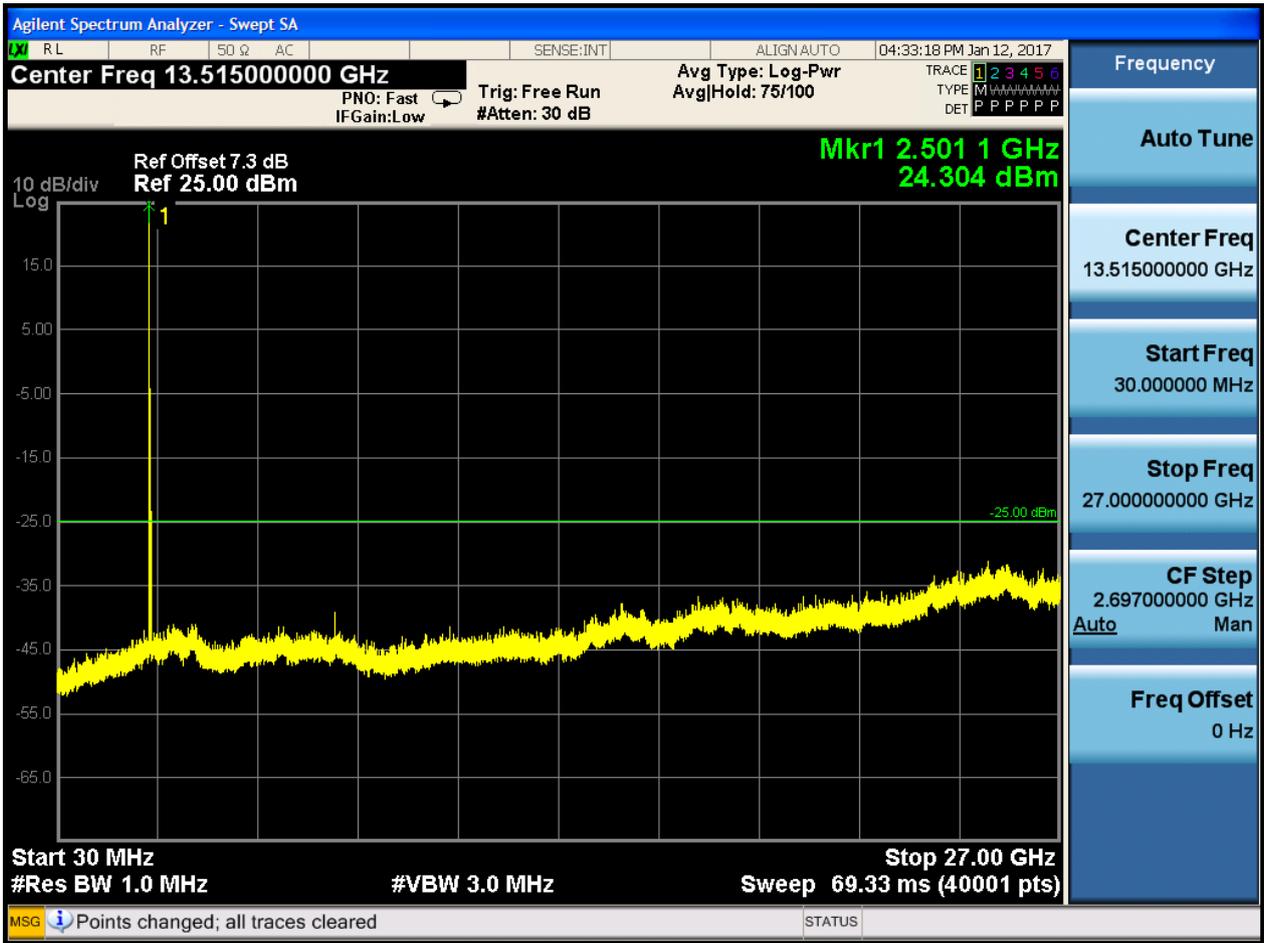


6.1.1.1.4 Test Bandwidth = 20

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

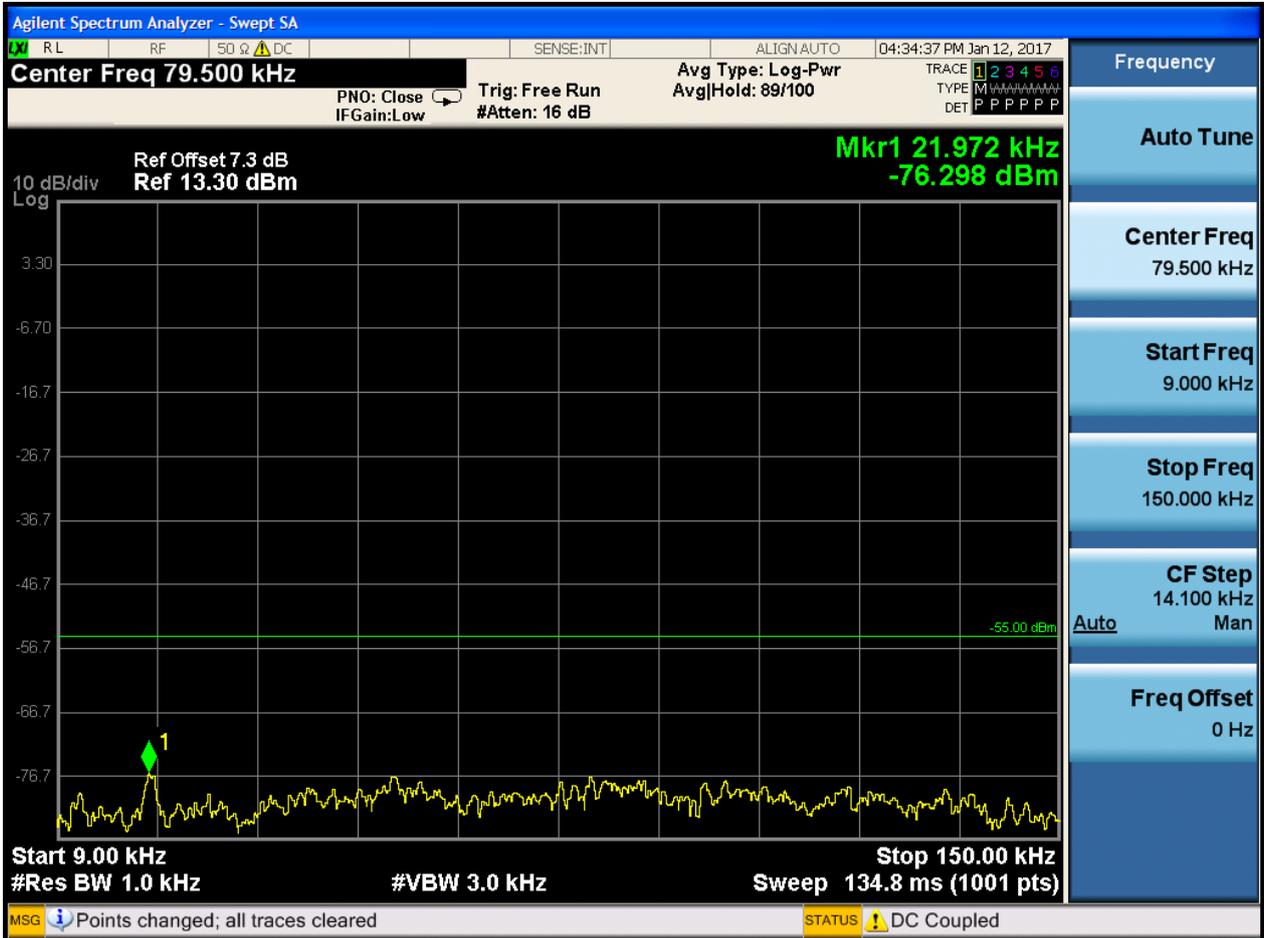
6.1.1.1.4.2.1 Test RB = RB1#0





6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0



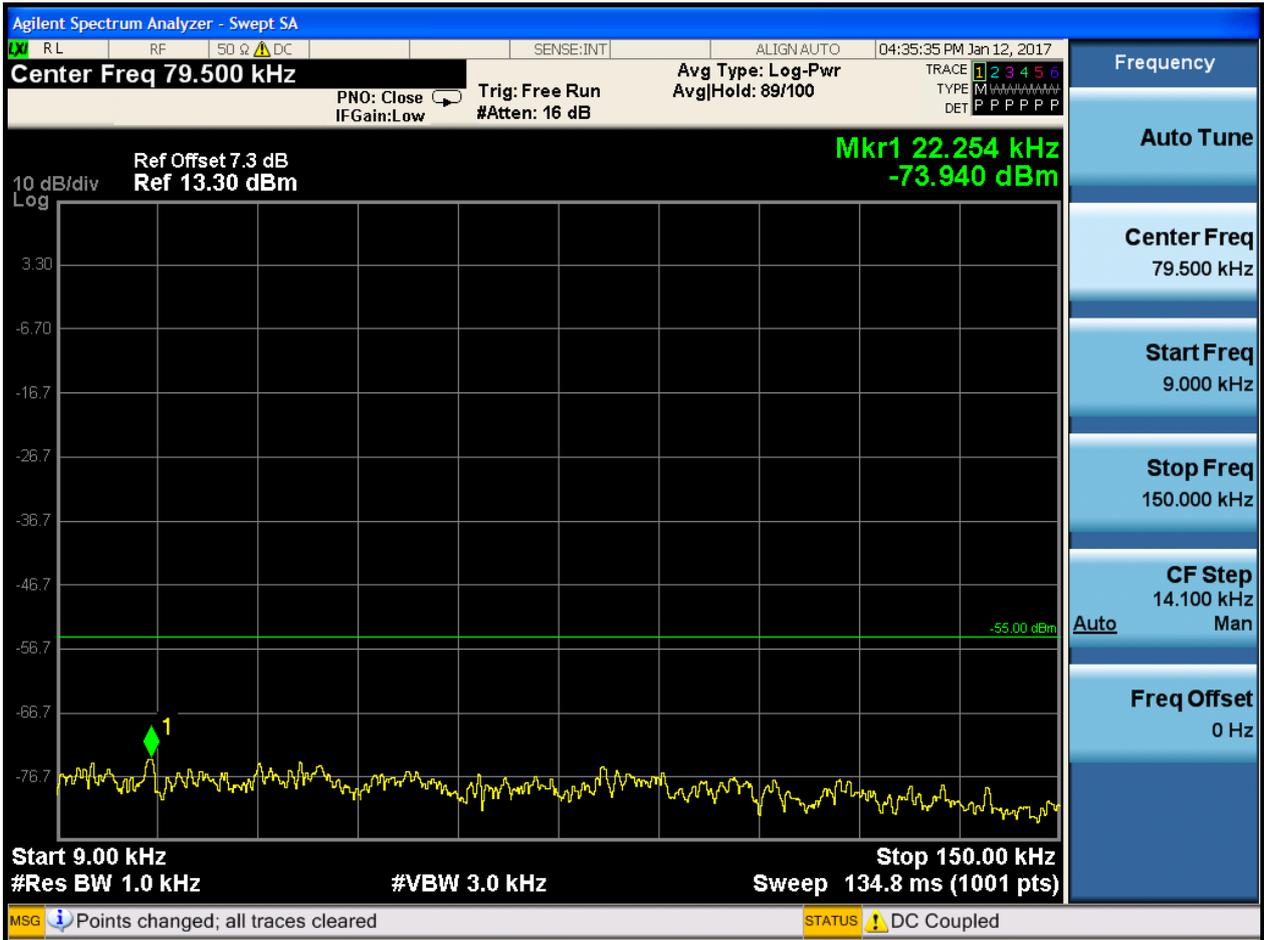


6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

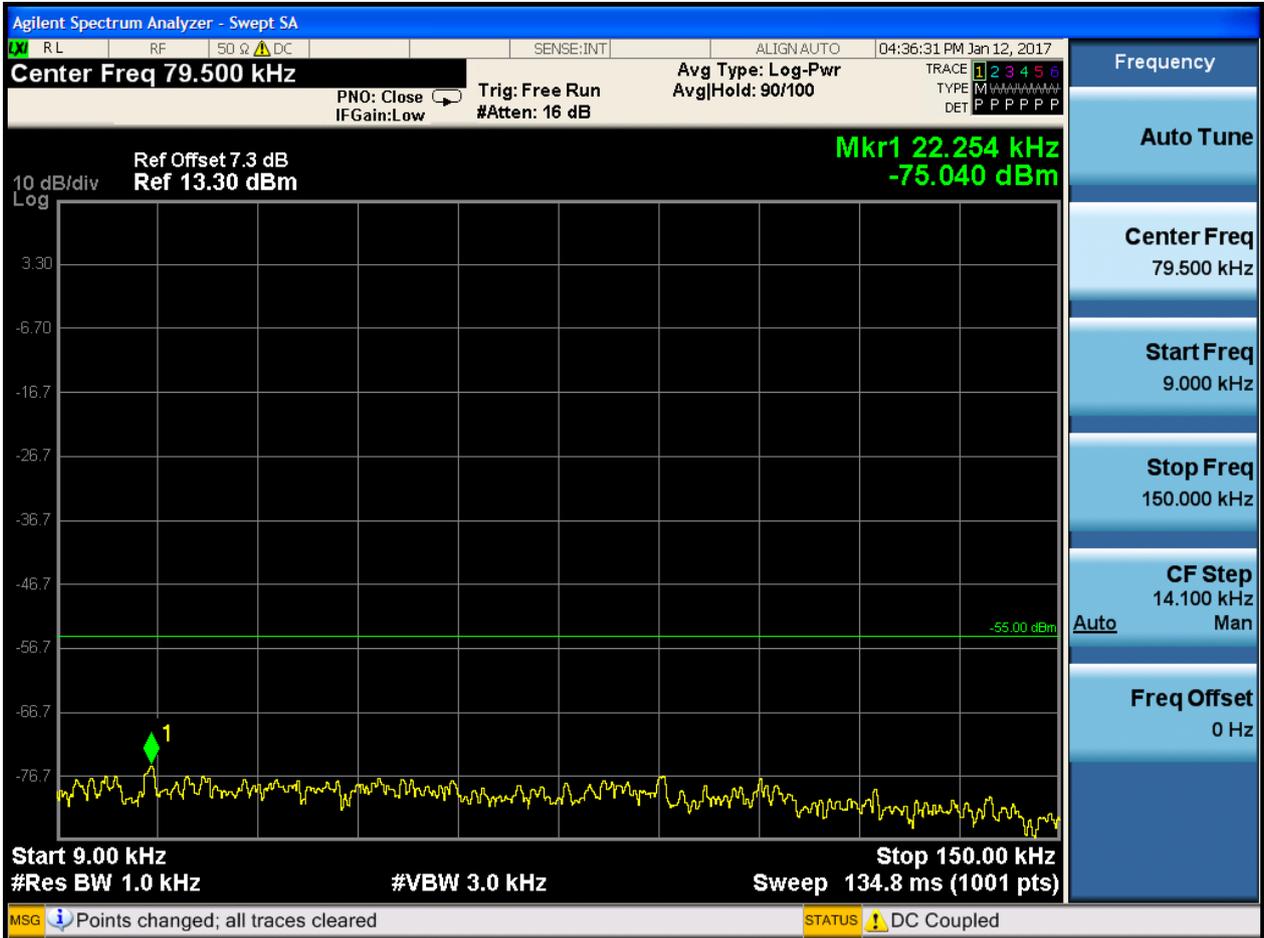
6.1.1.2.1.1.1 Test RB = RB1#0

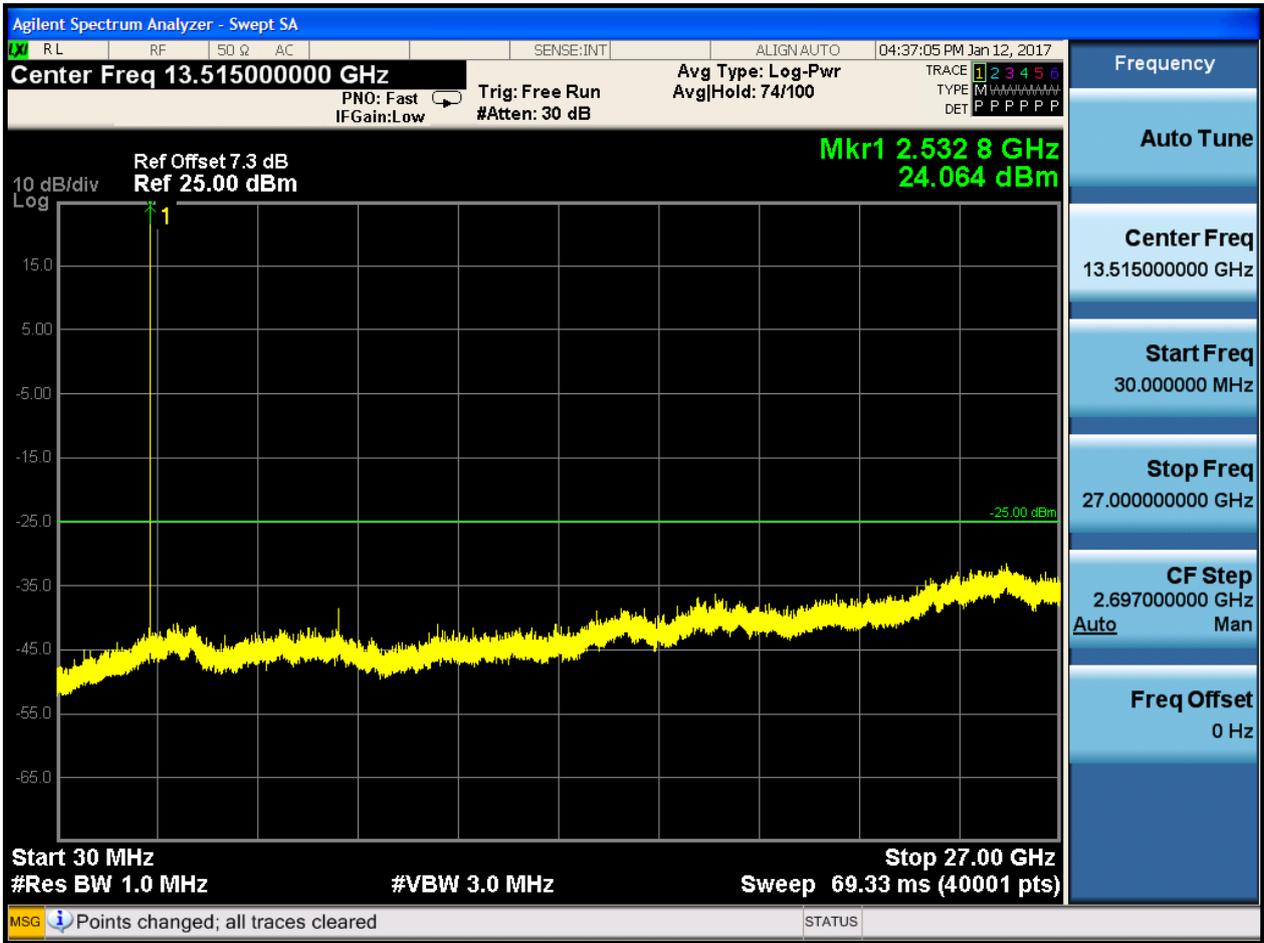




6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

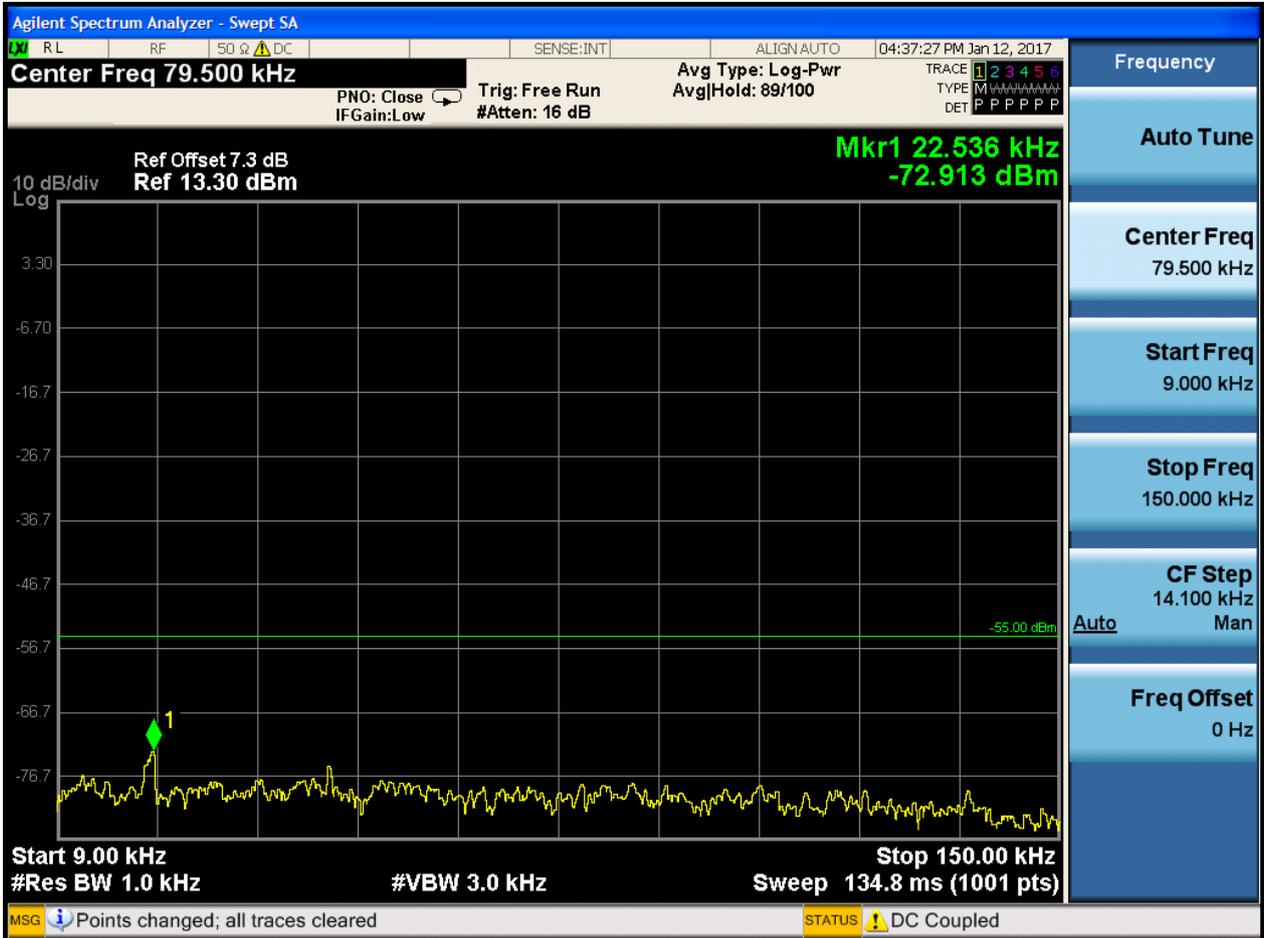


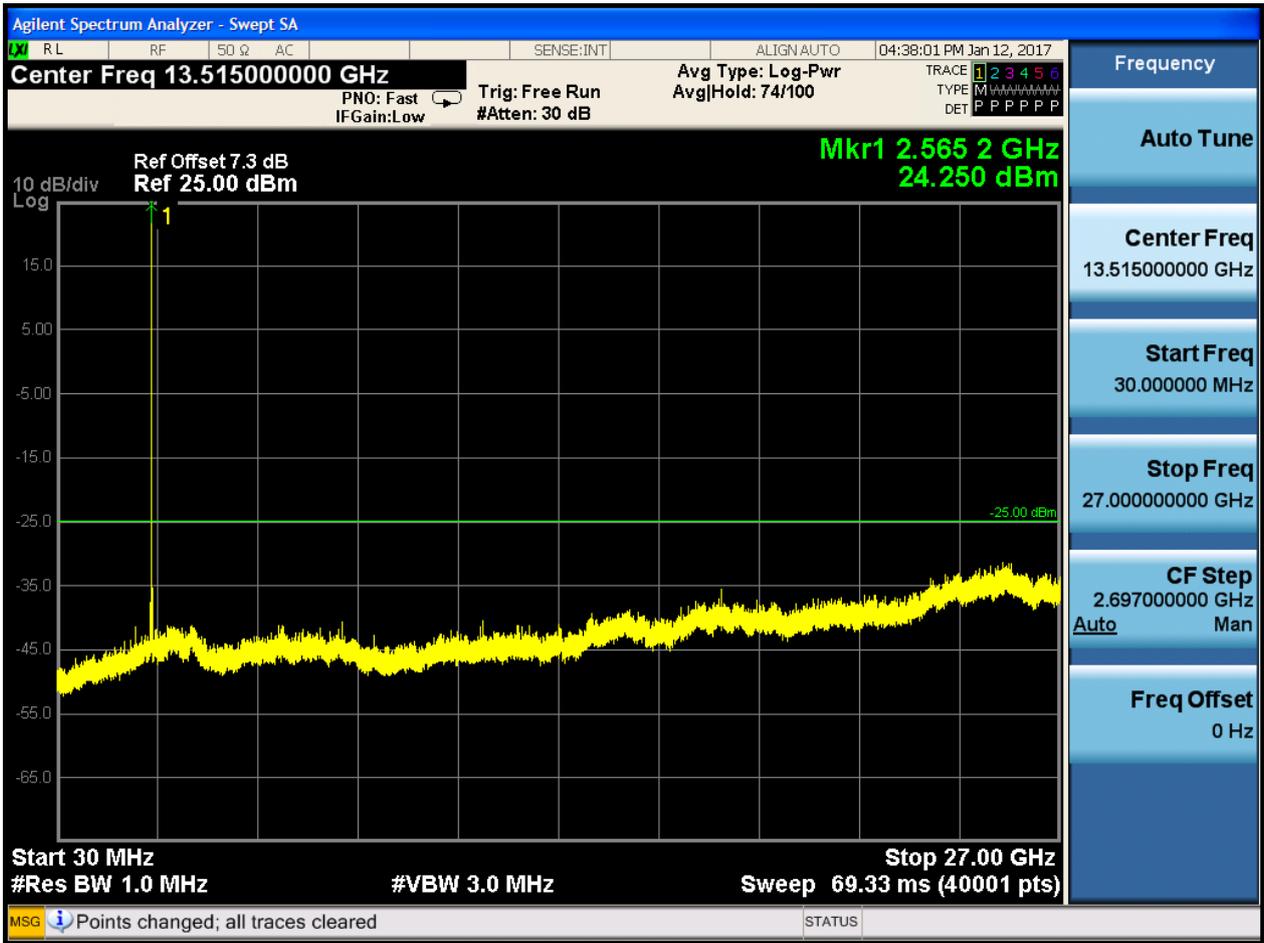




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



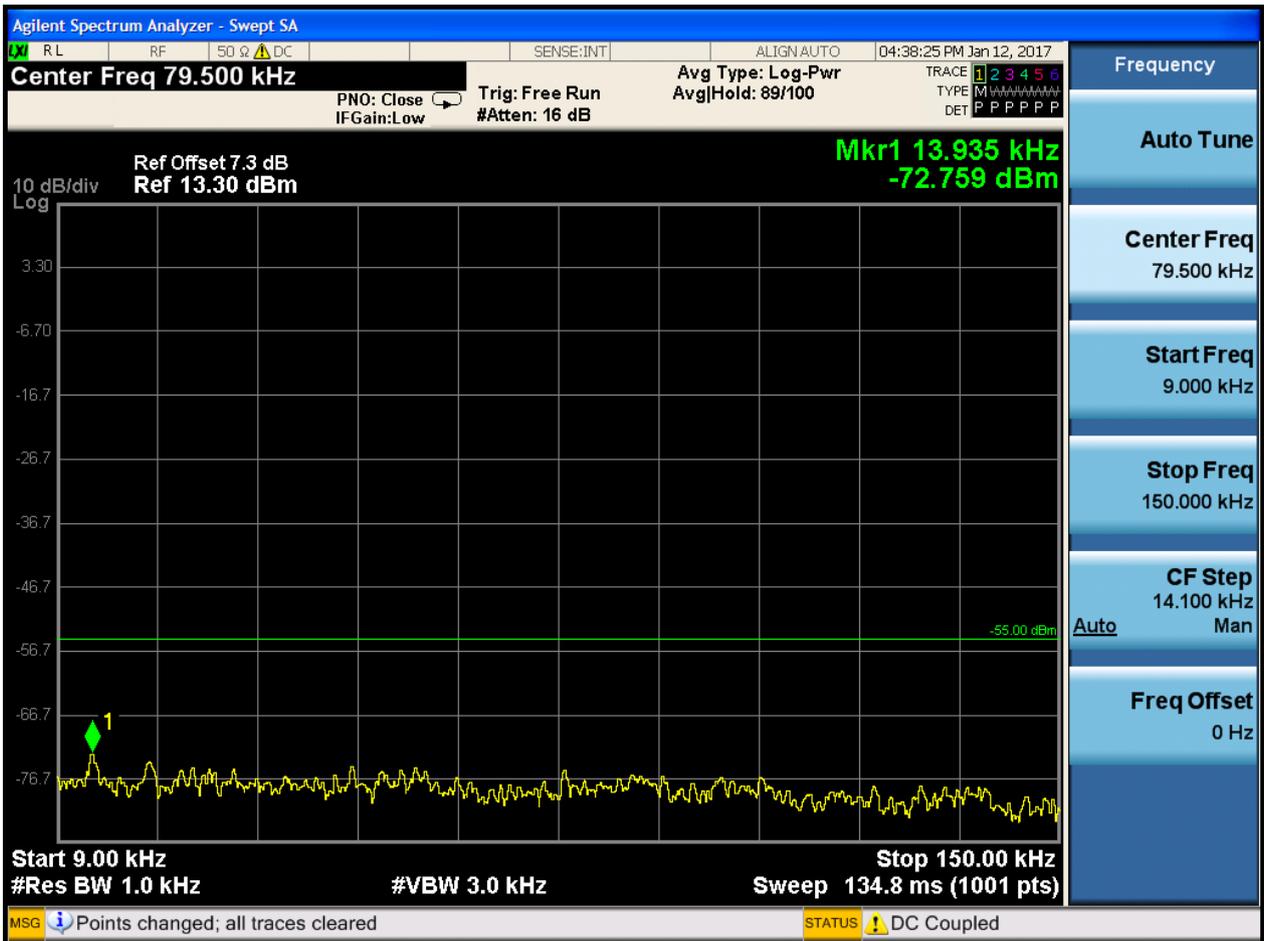




6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

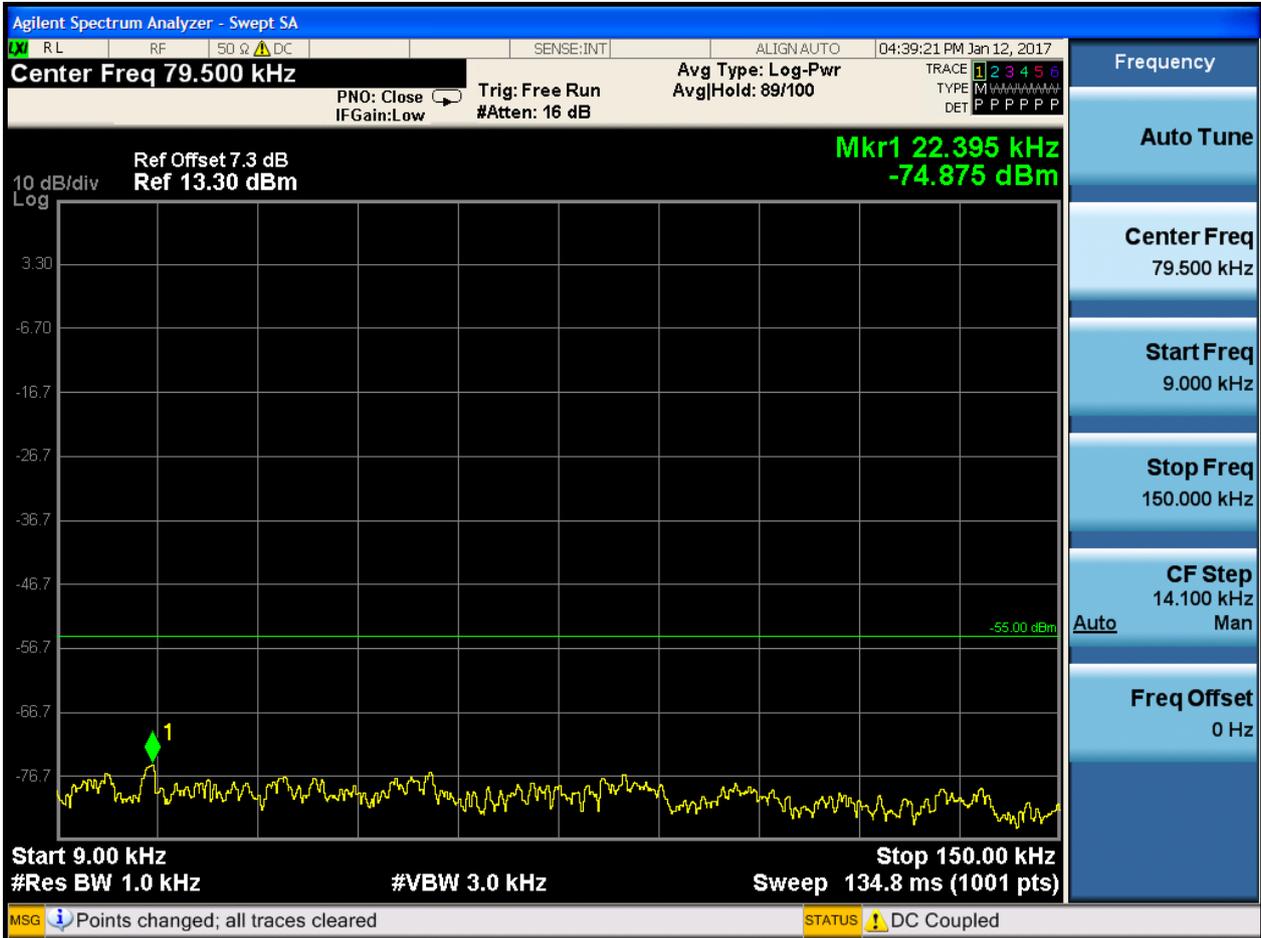
6.1.1.2.2.1.1 Test RB = RB1#0

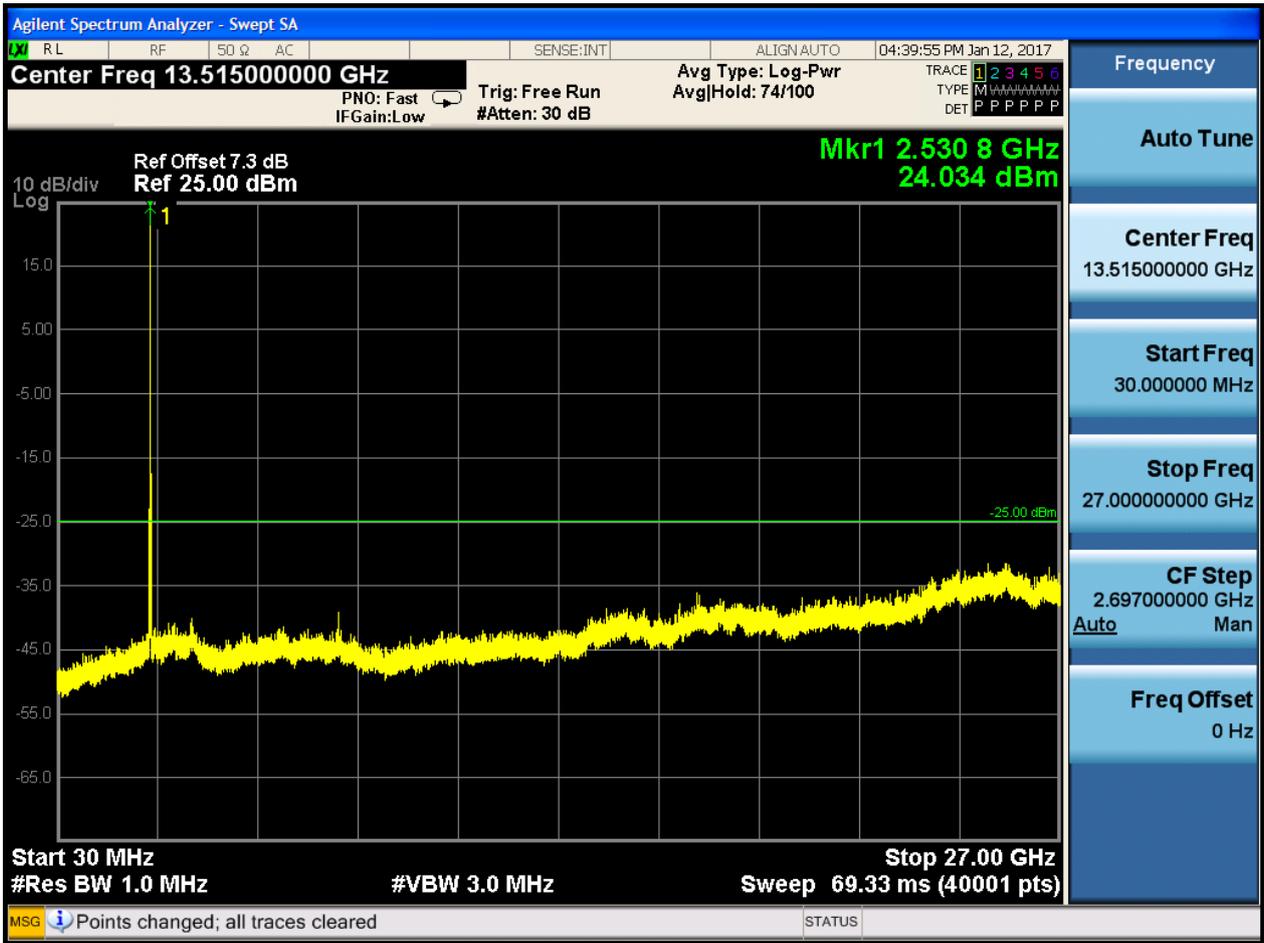




6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

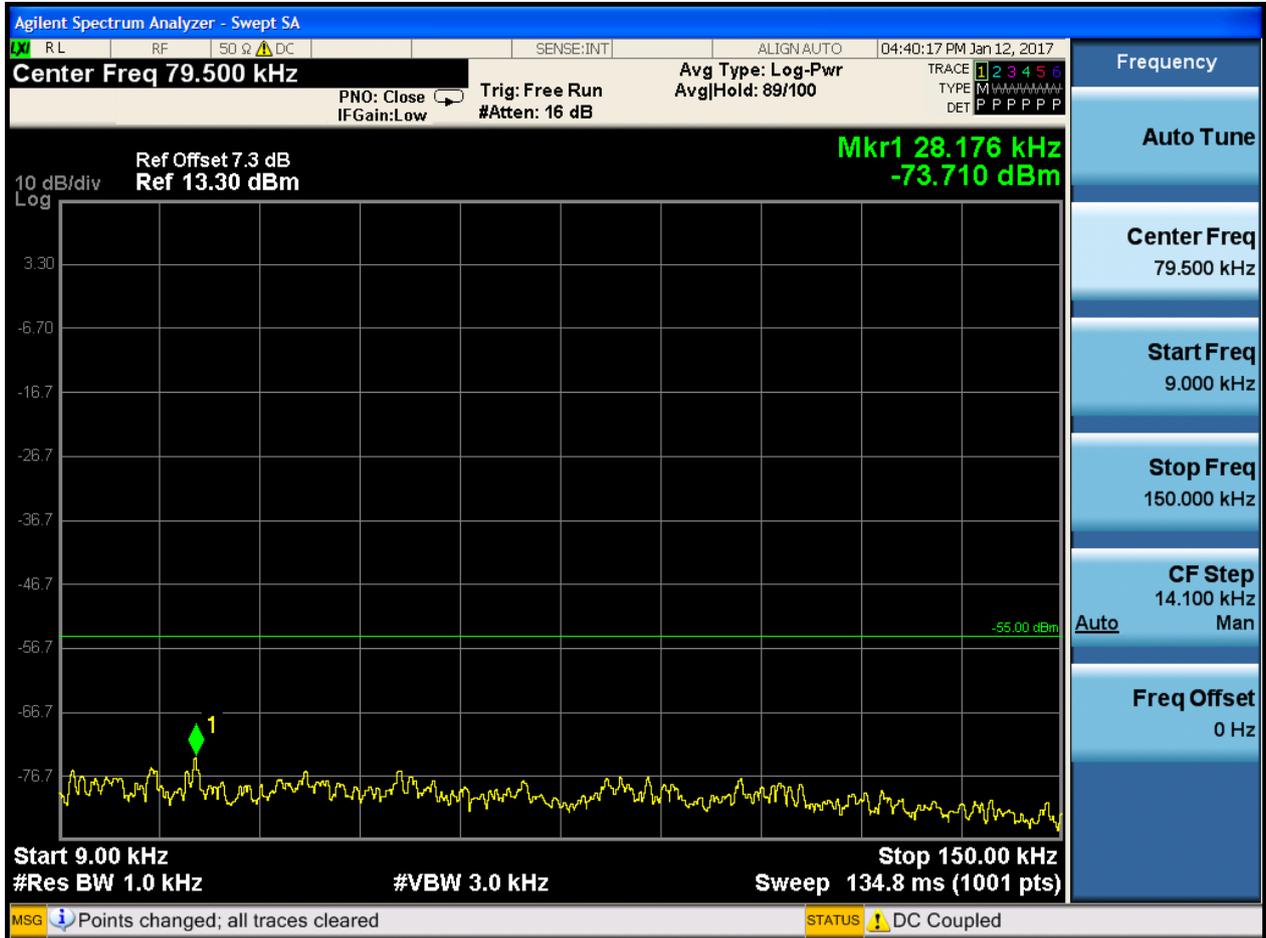






6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



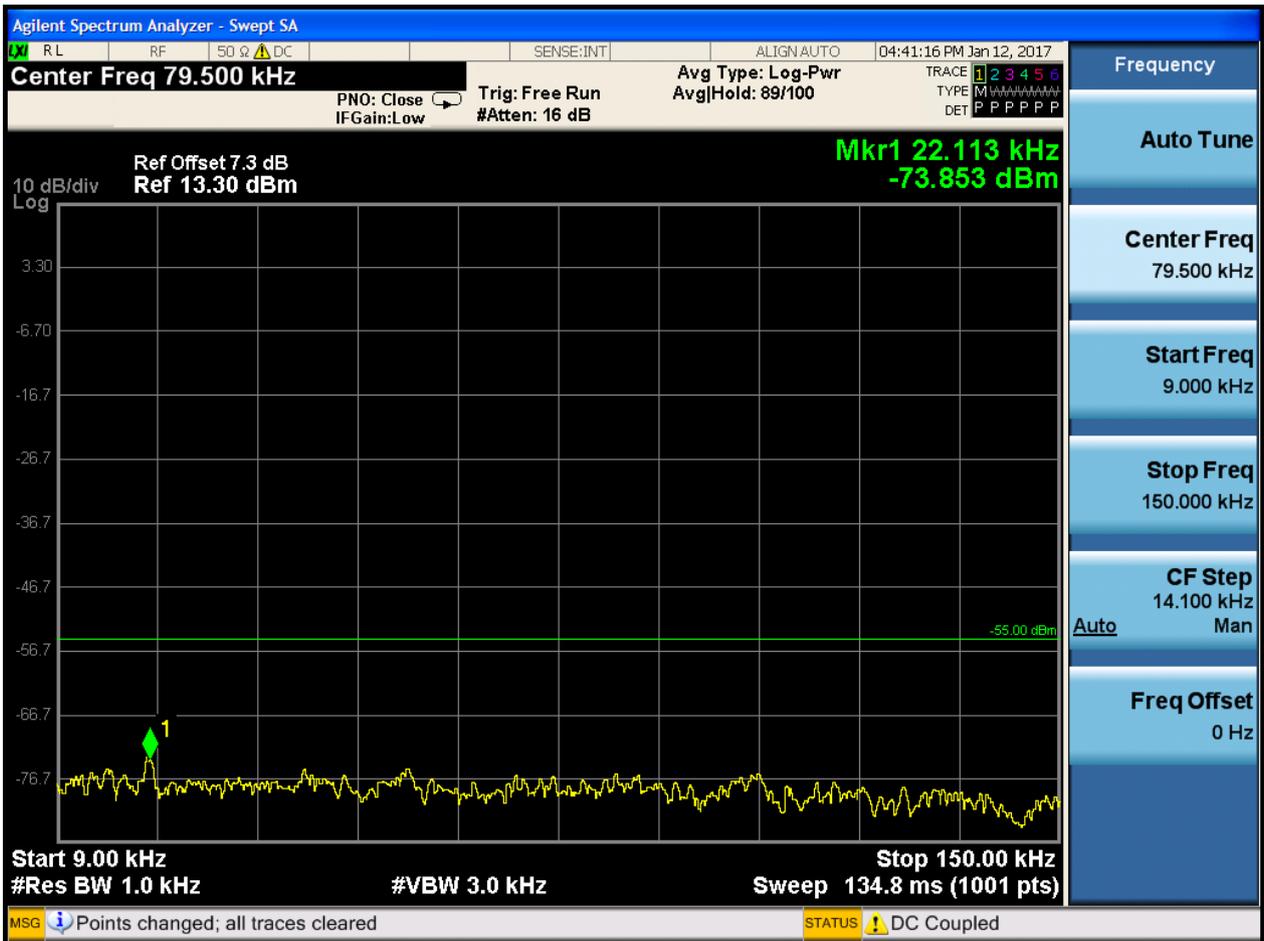




6.1.1.2.3 Test Bandwidth = 15

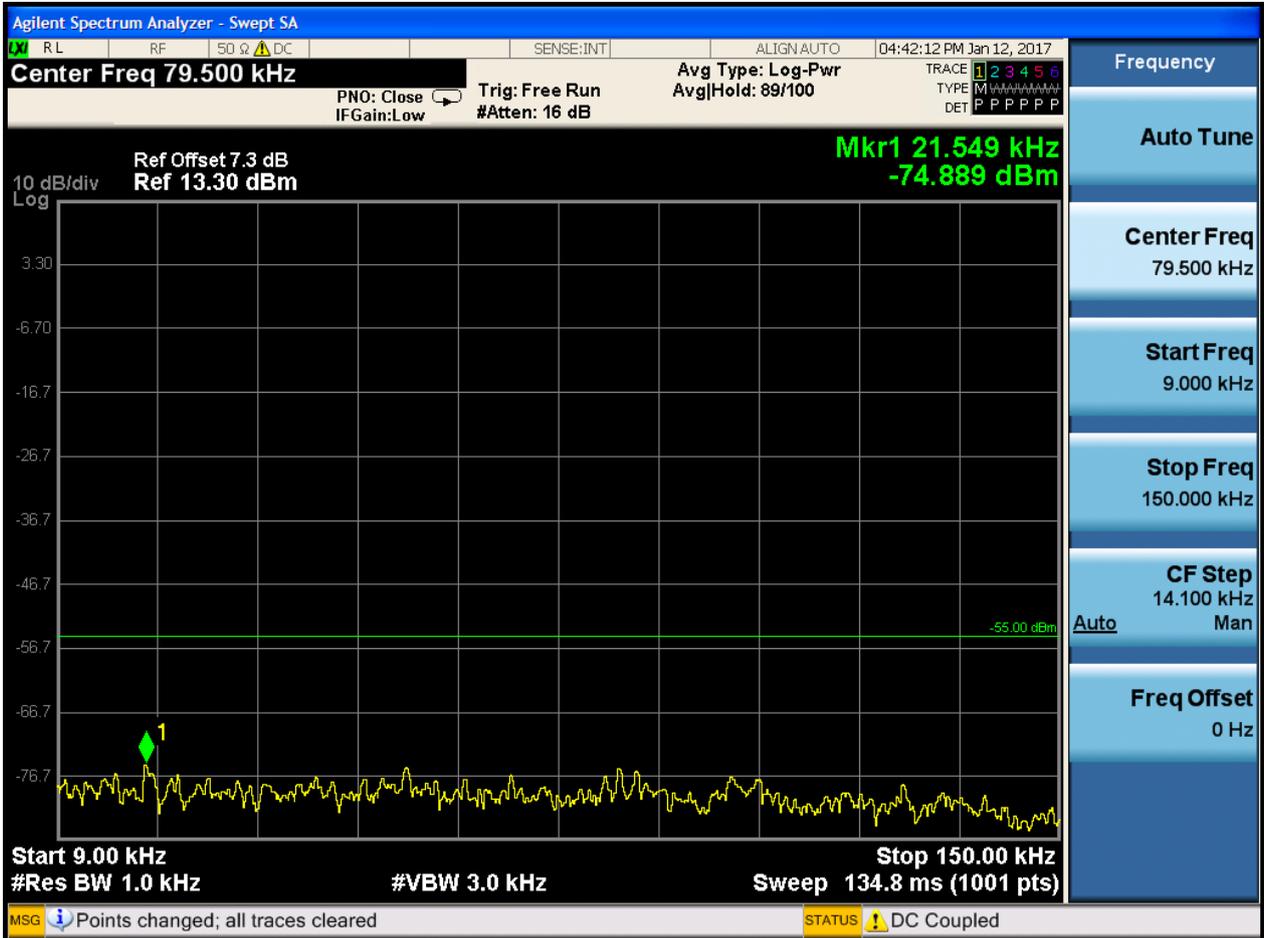
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



6.1.1.2.3.2 Test Channel = MCH

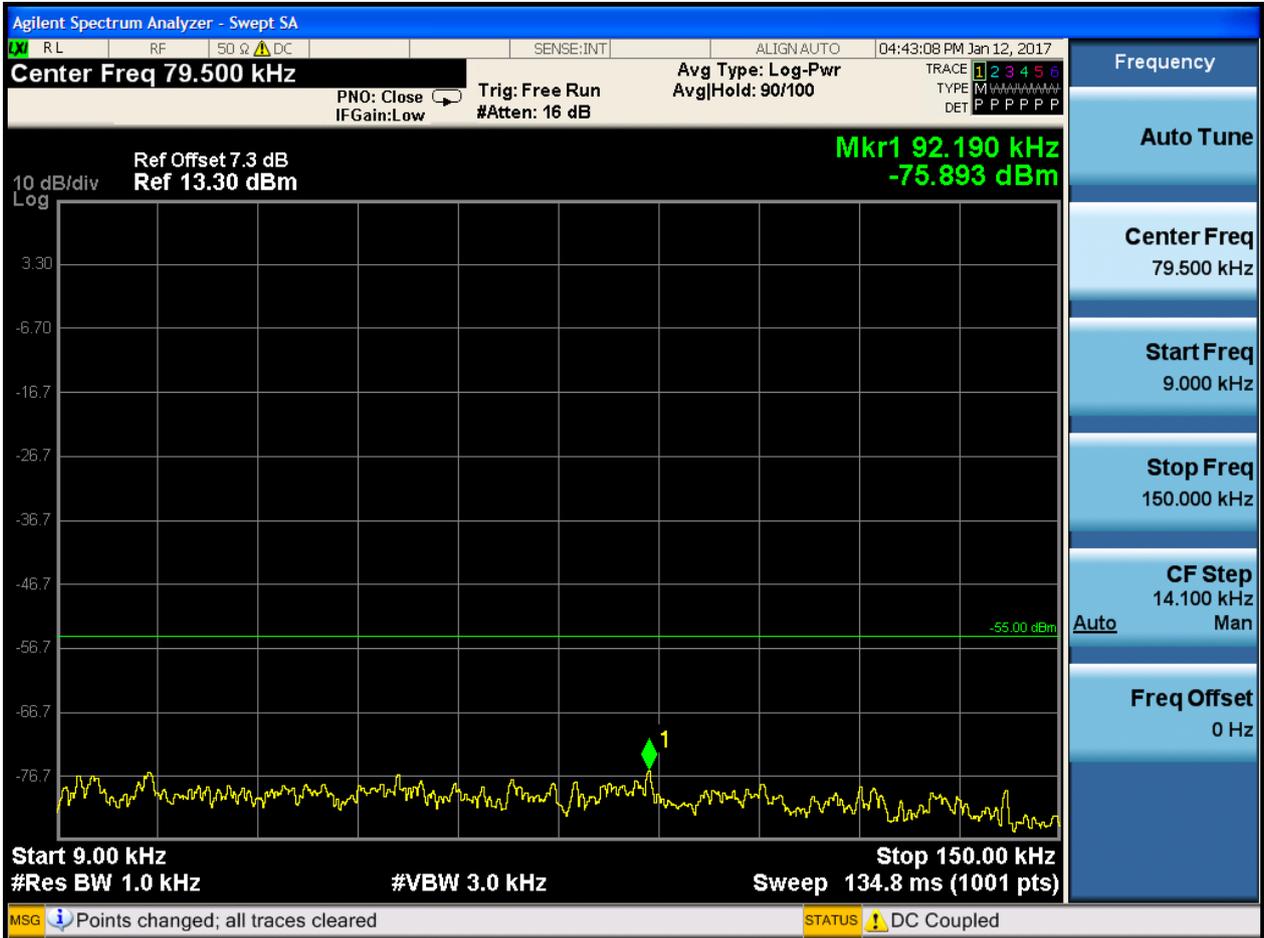
6.1.1.2.3.2.1 Test RB = RB1#0

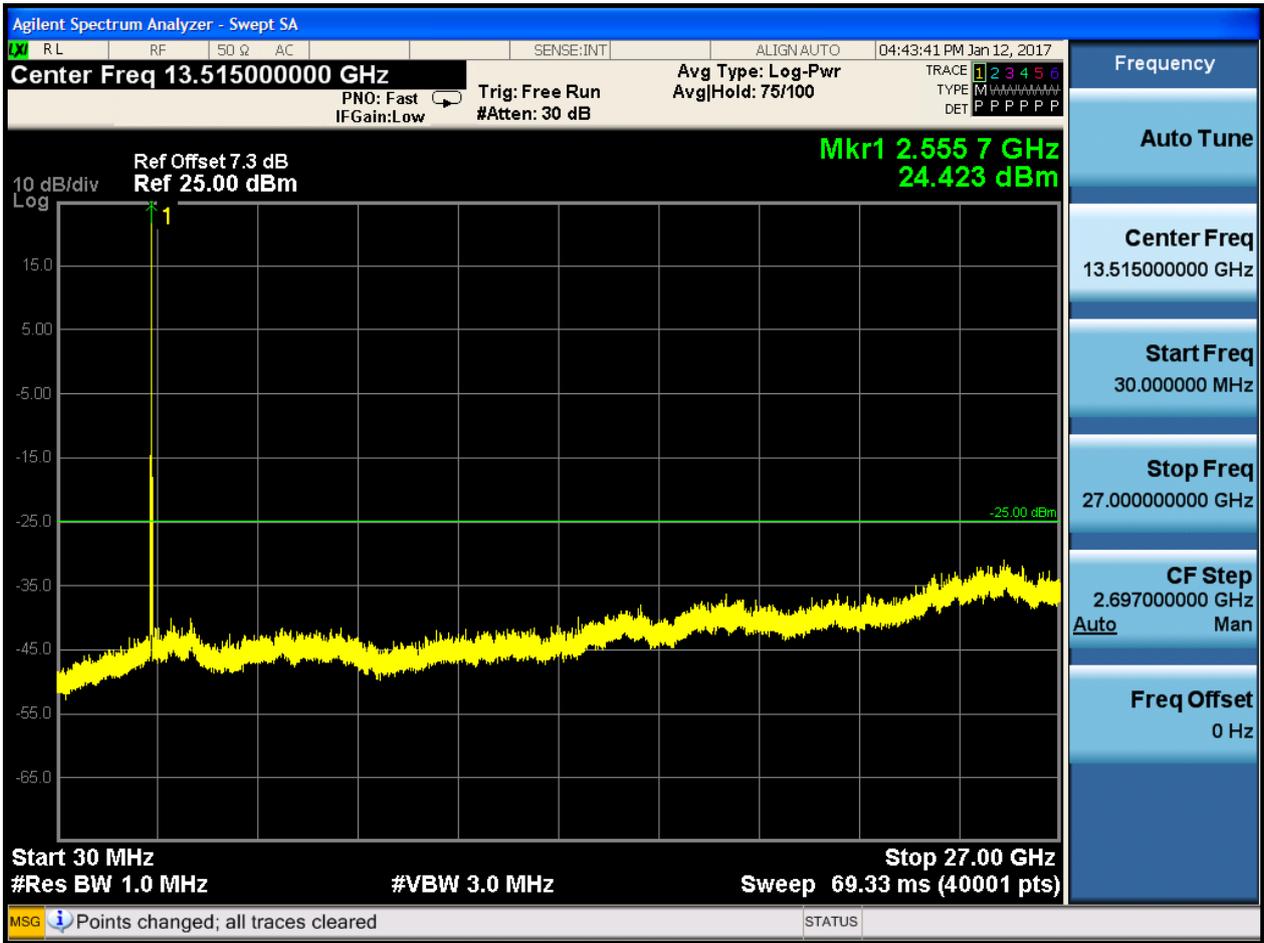




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



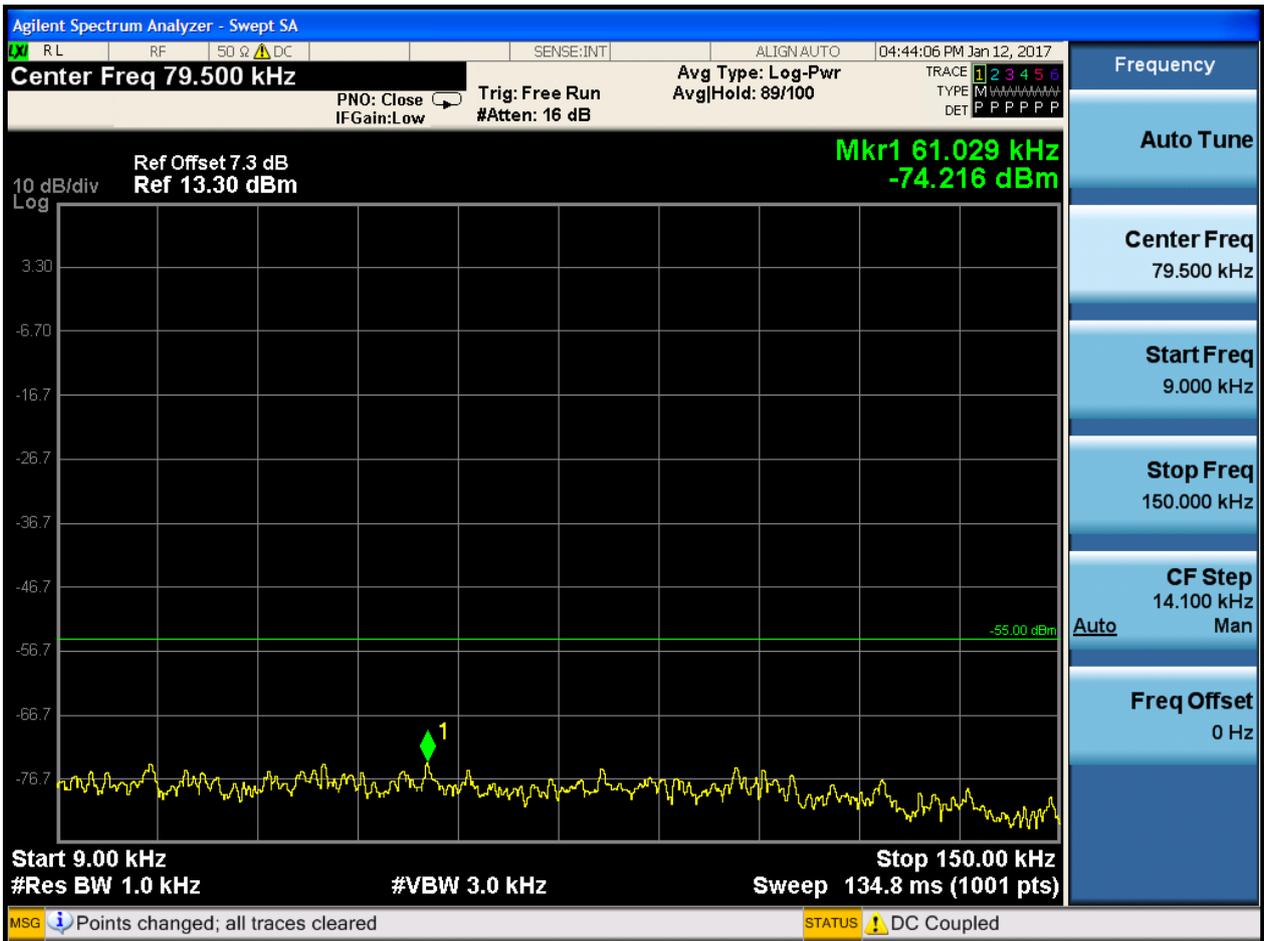




6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

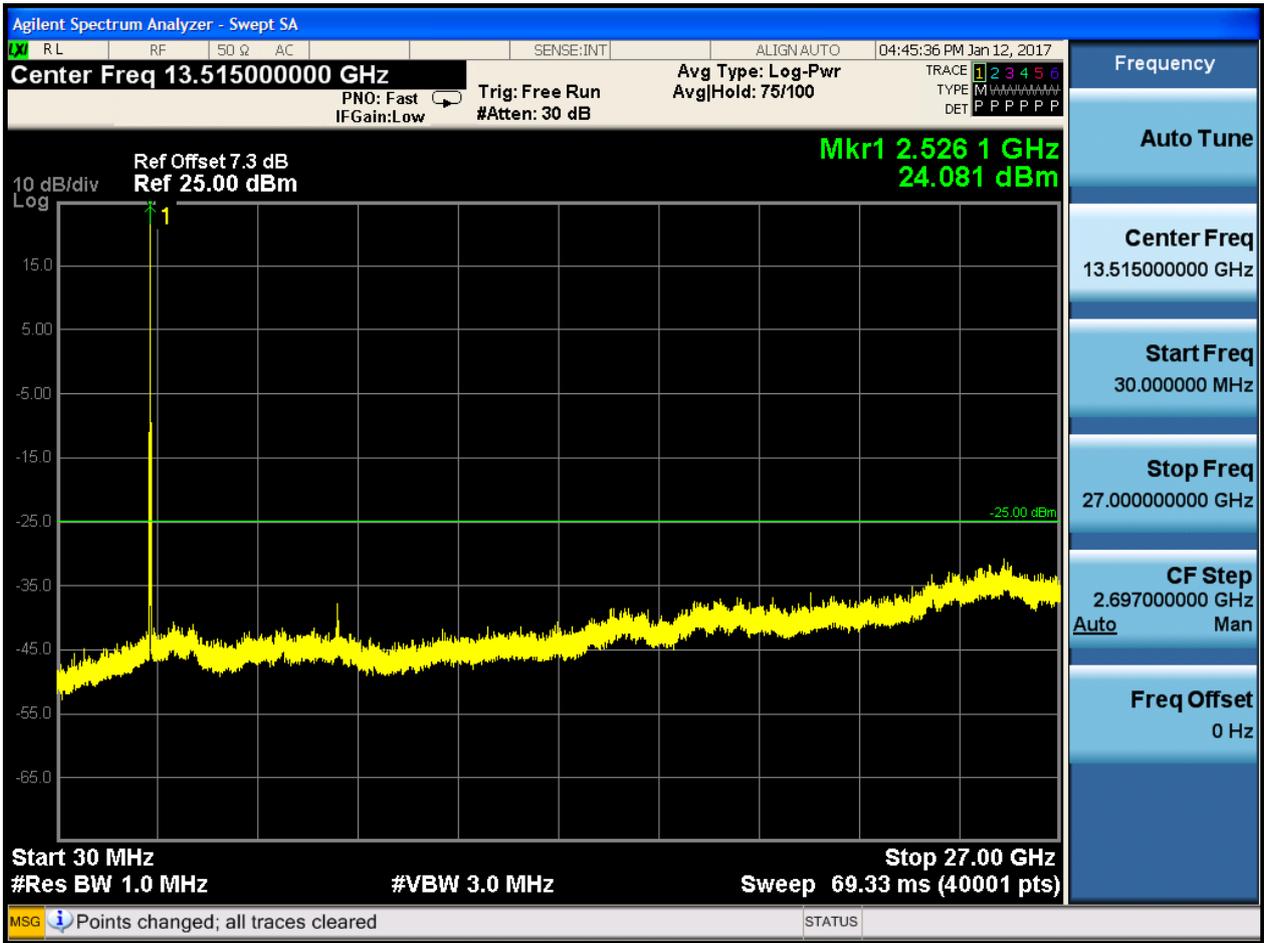




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

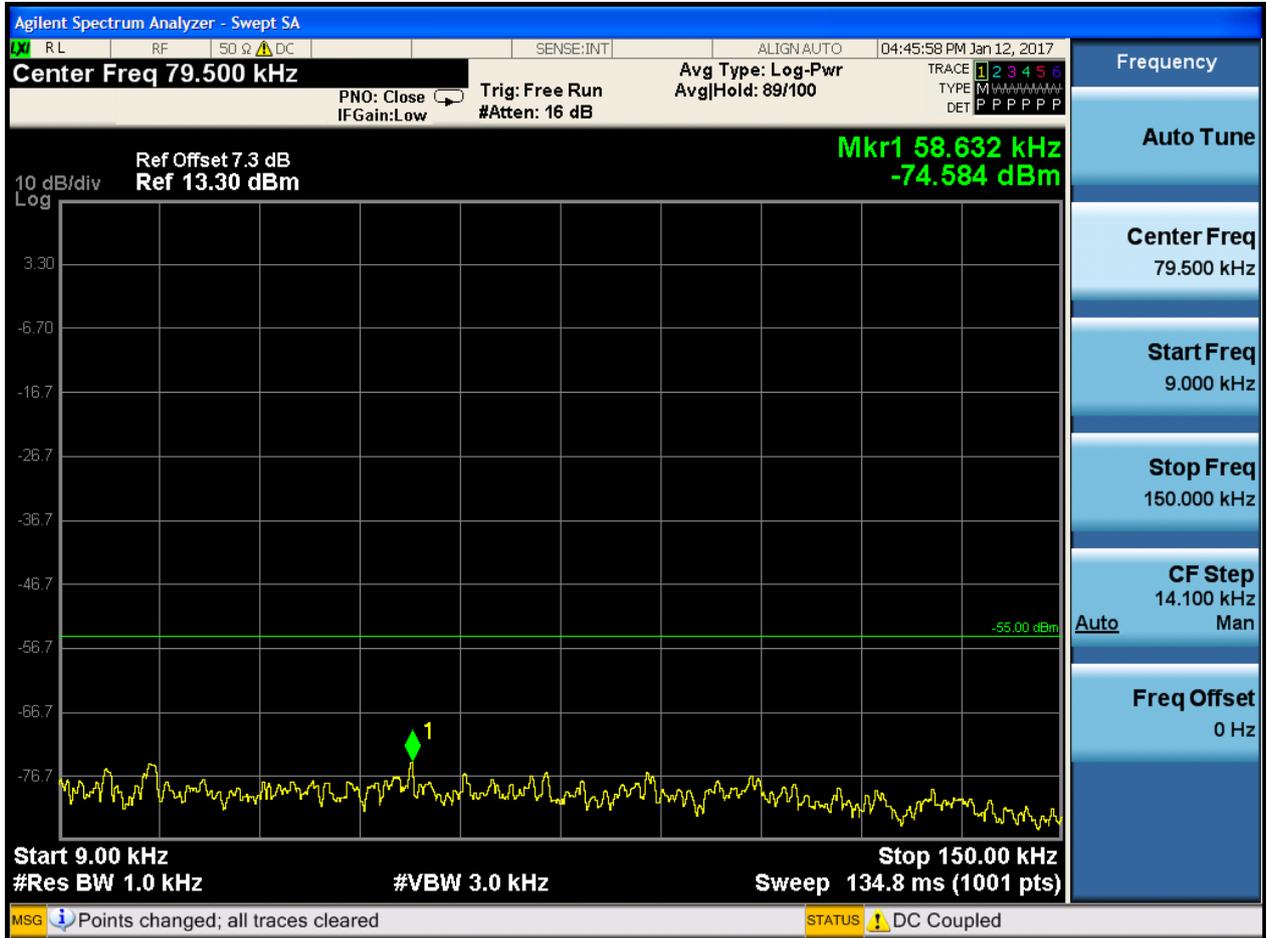






6.1.1.2.4.3 Test Channel = HCH

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, 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

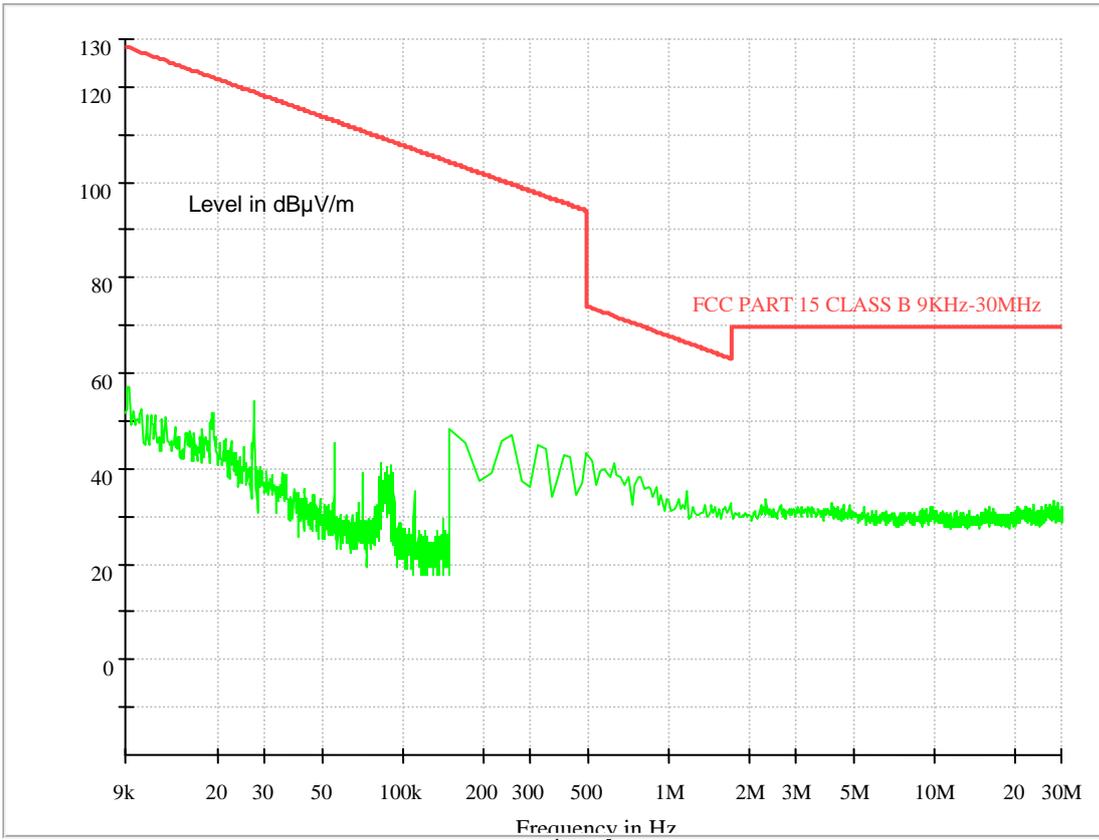
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

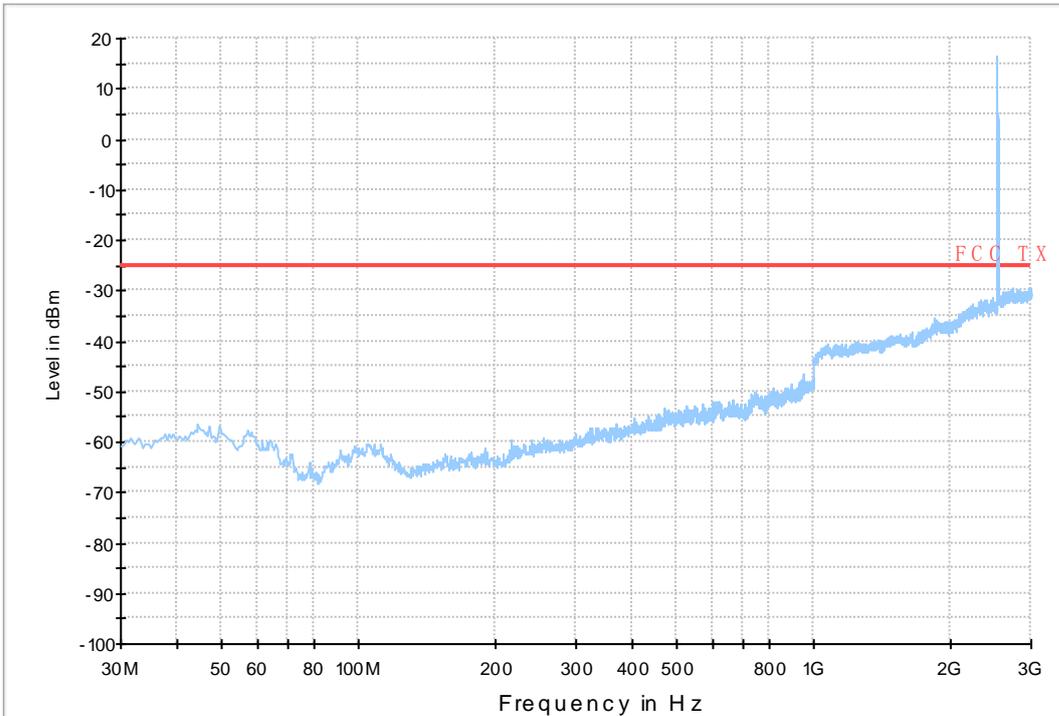
7.1 For LTE

7.1.1 Test Band = BAND7

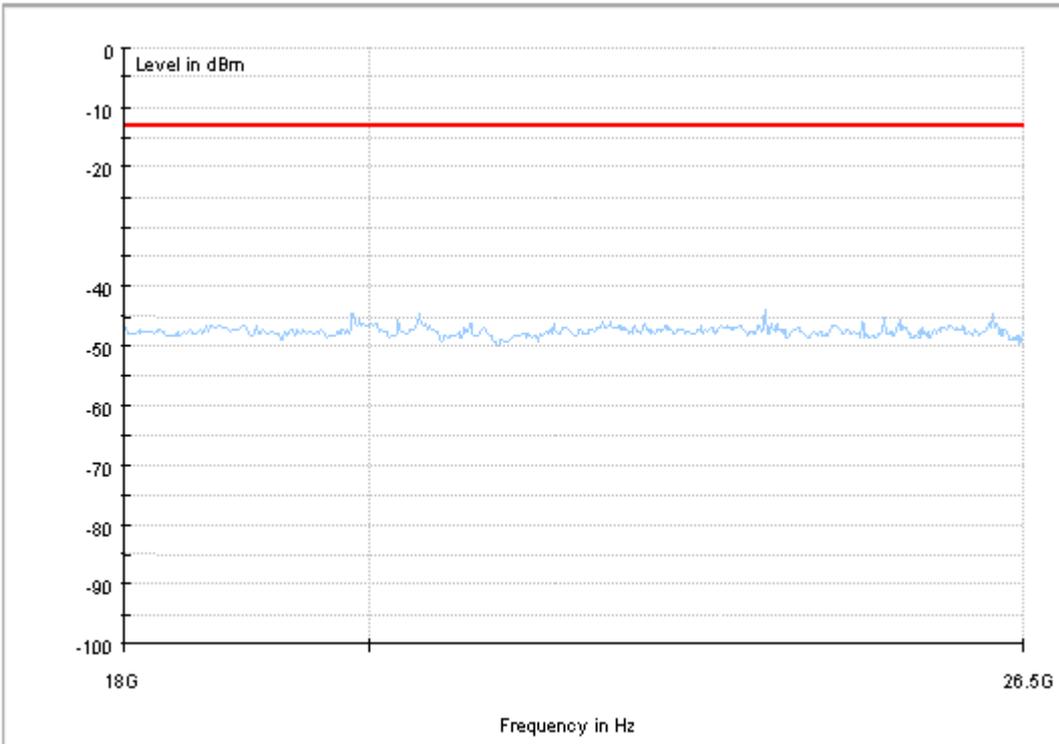
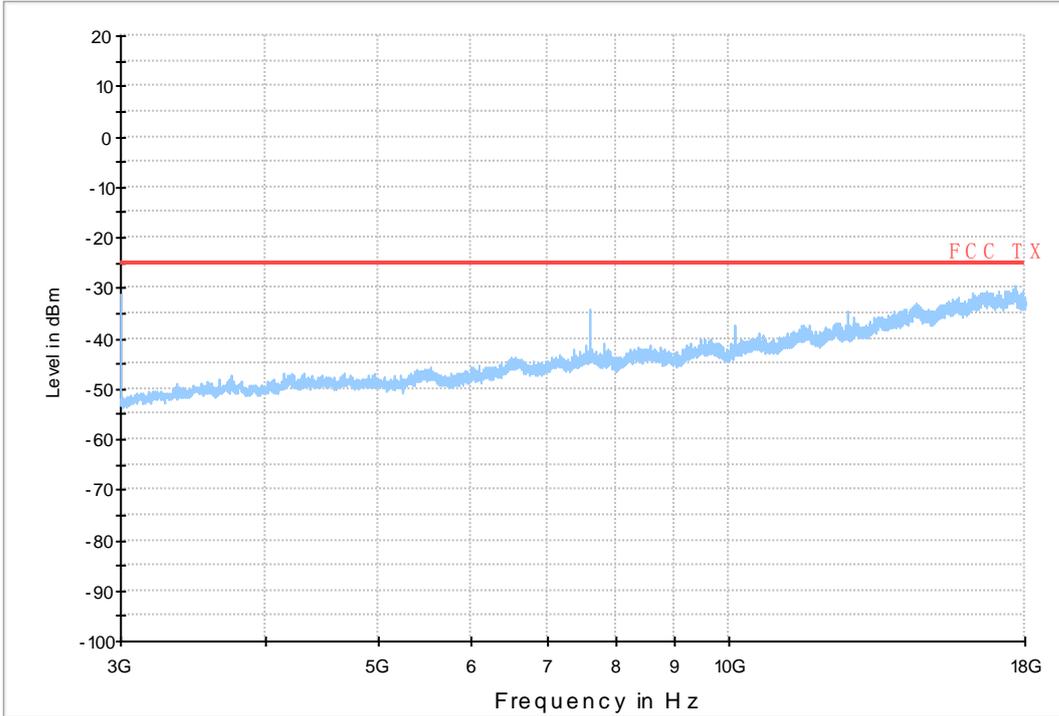
7.1.1.1 Test Bandwidth = 5



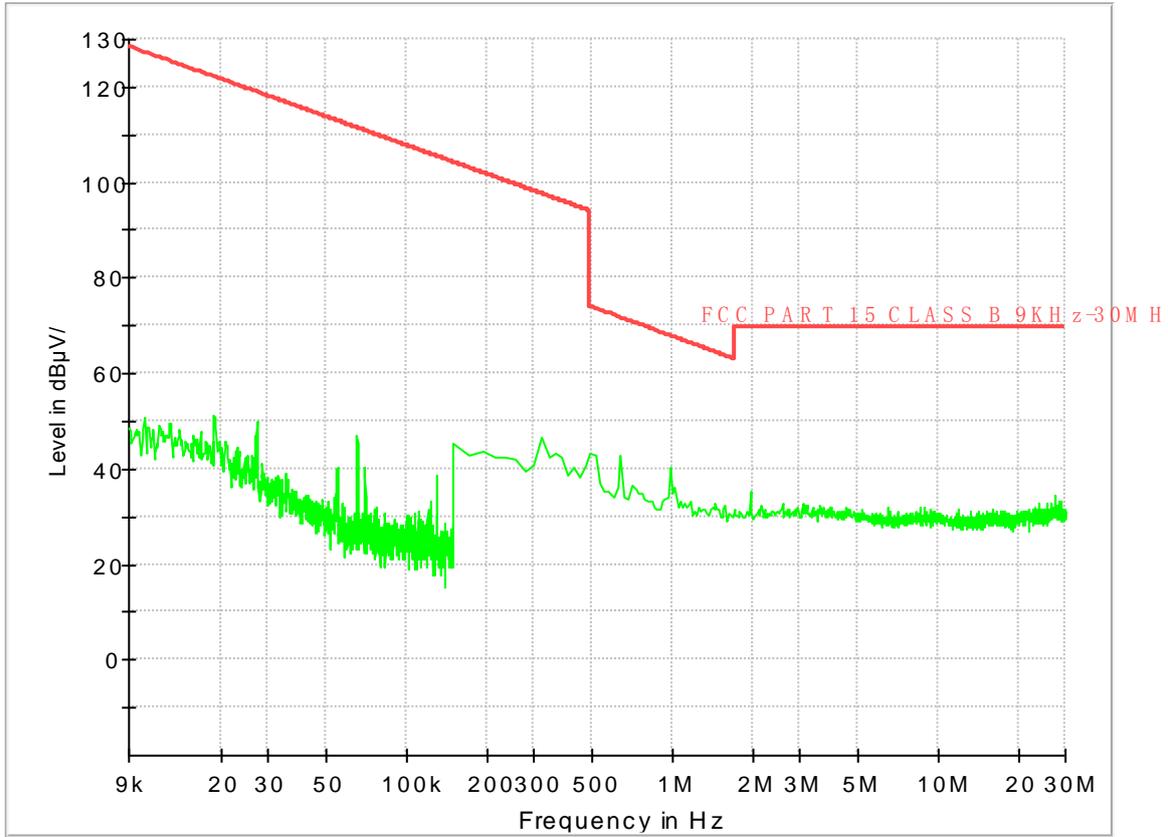
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



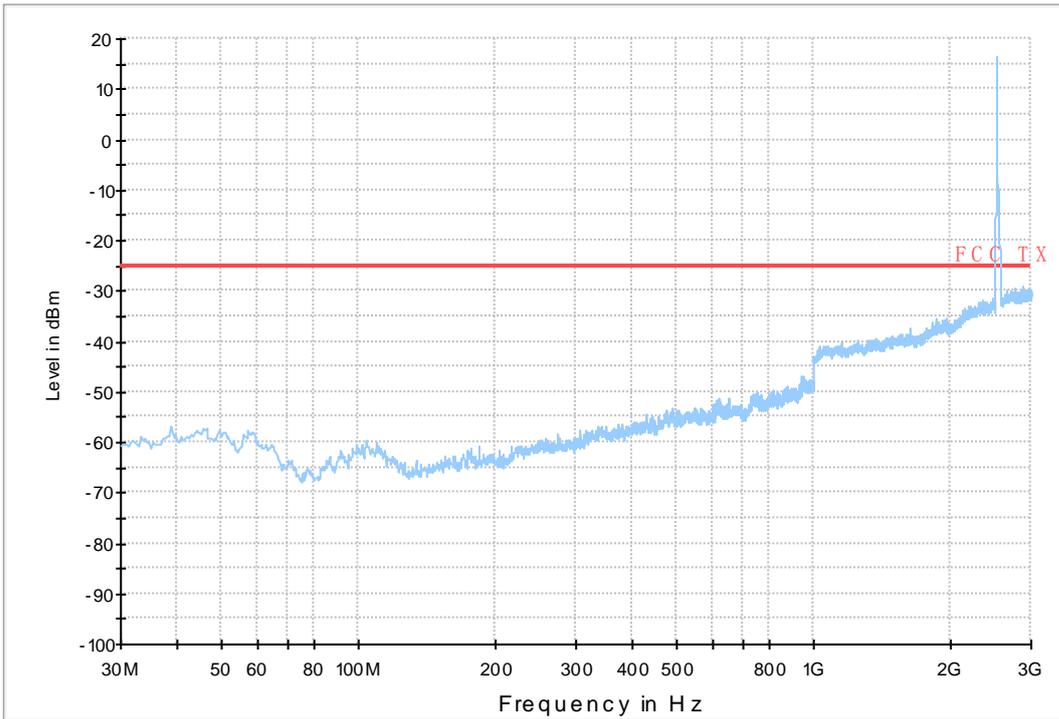
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



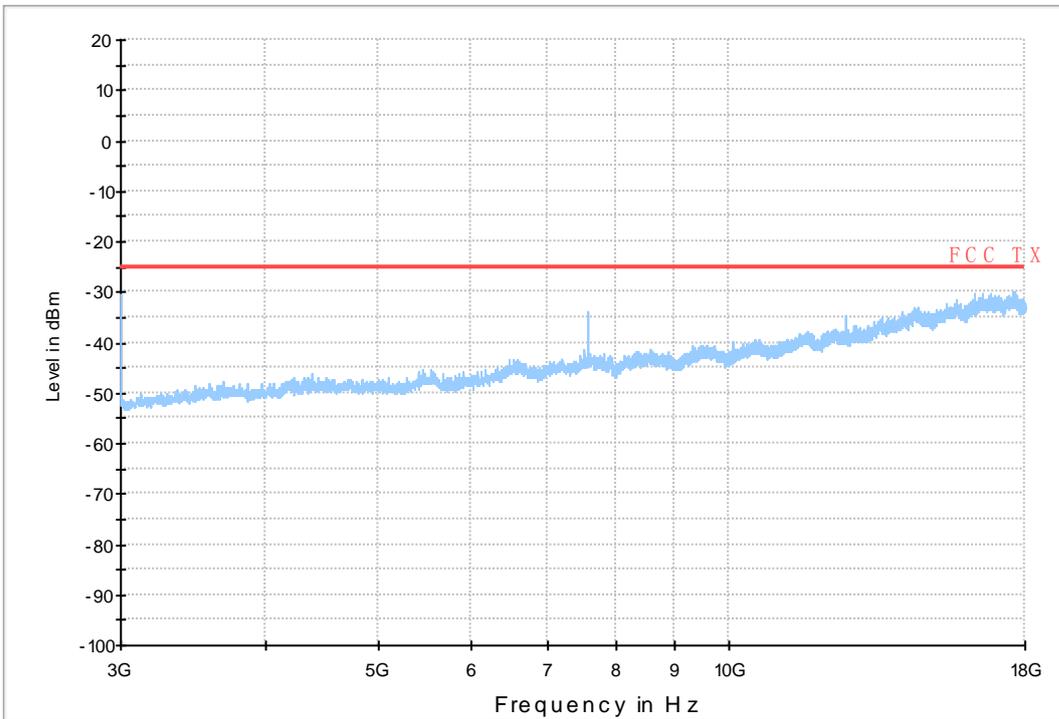
7.1.1.2 Test Bandwidth = 20

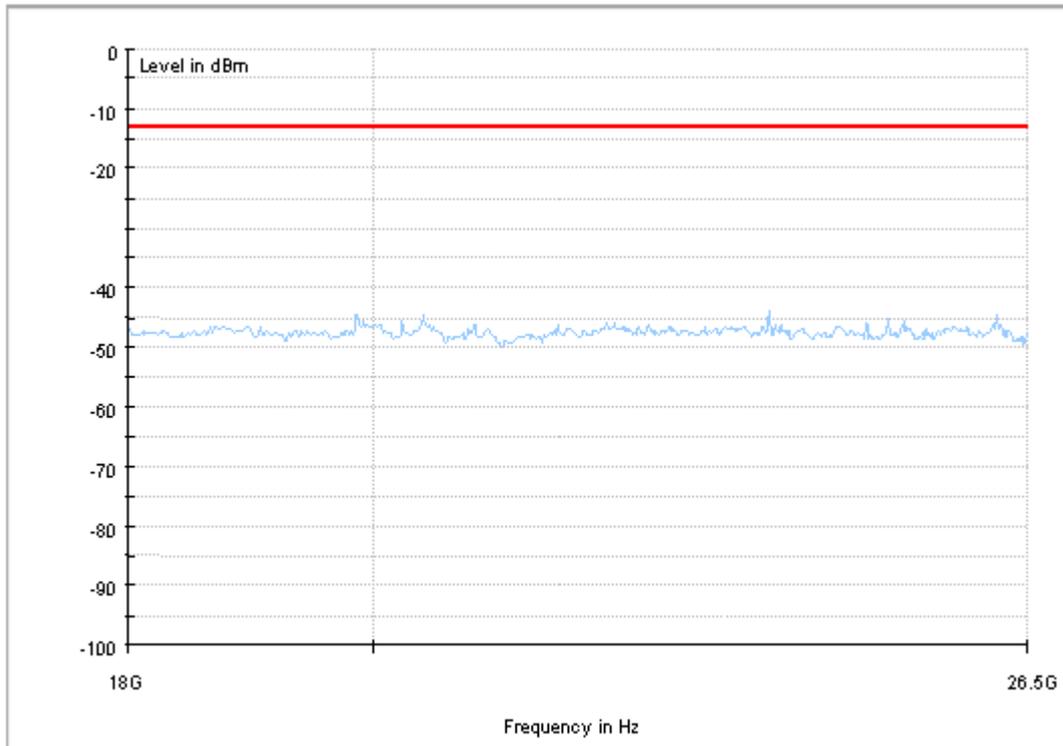


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



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]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	0.90	0.00036	PASS
					VN	1.36	0.00054	PASS
					VH	-1.26	-0.0005	PASS
			MCH	TN	VL	-2.60	-0.00103	PASS
					VN	4.08	0.00161	PASS
					VH	-21.90	-0.00864	PASS
			HCH	TN	VL	5.39	0.0021	PASS
					VN	-5.01	-0.00195	PASS
					VH	-2.90	-0.00113	PASS
		10	LCH	TN	VL	0.93	0.00037	PASS
					VN	-1.80	-0.00072	PASS
					VH	-1.27	-0.00051	PASS
			MCH	TN	VL	1.46	0.00058	PASS
					VN	-0.84	-0.00033	PASS
					VH	0.26	0.0001	PASS
			HCH	TN	VL	-2.05	-0.0008	PASS
					VN	-1.85	-0.00072	PASS
					VH	-1.27	-0.0005	PASS
		15	LCH	TN	VL	1.60	0.00064	PASS
					VN	-1.46	-0.00058	PASS
					VH	-1.07	-0.00043	PASS
			MCH	TN	VL	0.54	0.00021	PASS
					VN	0.47	0.00019	PASS
					VH	-0.90	-0.00036	PASS
			HCH	TN	VL	-2.40	-0.00094	PASS
					VN	-1.92	-0.00075	PASS
					VH	-0.06	-0.00002	PASS
		20	LCH	TN	VL	-3.32	-0.00132	PASS
					VN	-2.43	-0.00097	PASS
					VH	-2.83	-0.00113	PASS
			MCH	TN	VL	2.03	0.0008	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	0.80	0.00032	PASS		
					VH	0.31	0.00012	PASS		
					HCH	TN	VL	-1.33	-0.00052	PASS
							VN	-1.47	-0.00057	PASS
					VH	-2.12	-0.00083	PASS		
			LCH	TN	VL	-6.34	-0.00253	PASS		
					VN	0.31	0.00012	PASS		
					VH	0.92	0.00037	PASS		
					MCH	TN	VL	-5.08	-0.002	PASS
							VN	-2.26	-0.00089	PASS
	VH	5.19	0.00205	PASS						
	HCH	TN	VL	3.60	0.0014	PASS				
			VN	-1.99	-0.00078	PASS				
			VH	-11.36	-0.00442	PASS				
	5	LCH	TN	VL	-0.86	-0.00034	PASS			
				VN	0.67	0.00027	PASS			
				VH	2.70	0.00108	PASS			
			MCH	TN	VL	1.19	0.00047	PASS		
					VN	-1.82	-0.00072	PASS		
					VH	1.50	0.00059	PASS		
		HCH	TN	VL	-1.30	-0.00051	PASS			
				VN	-1.24	-0.00048	PASS			
				VH	2.59	0.00101	PASS			
		10	LCH	TN	VL	-1.33	-0.00053	PASS		
					VN	-0.54	-0.00022	PASS		
					VH	-3.69	-0.00147	PASS		
	MCH		TN	VL	3.20	0.00126	PASS			
				VN	-0.24	-0.00009	PASS			
				VH	-1.60	-0.00063	PASS			
	HCH		TN	VL	-0.99	-0.00039	PASS			
				VN	-3.58	-0.0014	PASS			
				VH	-2.27	-0.00089	PASS			
	15	LCH	TN	VL	0.66	0.00026	PASS			
				VN	-0.36	-0.00014	PASS			
				VH	2.07	0.00082	PASS			
		MCH	TN	VL	-1.44	-0.00057	PASS			
				VN	1.29	0.00051	PASS			
				VH	3.08	0.00121	PASS			
		HCH	TN	VL	-1.59	-0.00062	PASS			
				VN						
				VH						
	20	LCH	TN	VL						
VN										
VH										
MCH			TN	VL						
				VN						
				VH						
HCH		TN	VL							
			VN							
			VH							

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-2.19	-0.00086	PASS
					VH	2.99	0.00117	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	-1.70	-0.00068	PASS
					-20	-1.40	-0.00056	PASS
					-10	-2.59	-0.00103	PASS
					0	-1.50	-0.0006	PASS
					10	-5.69	-0.00227	PASS
					20	3.29	0.00131	PASS
					30	-3.28	-0.00131	PASS
					40	-5.68	-0.00227	PASS
			50	-1.50	-0.0006	PASS		
			MCH	VN	-30	-5.88	-0.00232	PASS
					-20	-3.19	-0.00126	PASS
					-10	-1.92	-0.00076	PASS
					0	-0.46	-0.00018	PASS
					10	-10.79	-0.00426	PASS
					20	-16.21	-0.00639	PASS
					30	-0.73	-0.00029	PASS
					40	-0.47	-0.00019	PASS
			HCH	VN	-30	-1.96	-0.00076	PASS
					-20	-8.93	-0.00348	PASS
					-10	2.93	0.00114	PASS
					0	-2.16	-0.00084	PASS
					10	-4.58	-0.00178	PASS
					20	-6.14	-0.00239	PASS
					30	-5.38	-0.0021	PASS
		40			-3.65	-0.00142	PASS	
		10	LCH	VN	-30	1.23	0.00049	PASS
					-20	0.36	0.00014	PASS
					-10	-4.68	-0.00187	PASS
					0	0.72	0.00029	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-4.16	-0.00166	PASS
					20	1.59	0.00063	PASS
					30	0.53	0.00021	PASS
					40	-1.62	-0.00065	PASS
					50	1.70	0.00068	PASS
			MCH	VN	-30	1.26	0.0005	PASS
					-20	-4.41	-0.00174	PASS
					-10	0.13	0.00005	PASS
					0	-0.13	-0.00005	PASS
					10	-2.53	-0.001	PASS
					20	3.28	0.00129	PASS
					30	1.86	0.00073	PASS
					40	-1.96	-0.00077	PASS
					50	1.70	0.00067	PASS
					HCH	VN	-30	2.92
		-20	-2.32	-0.0009			PASS	
		-10	0.94	0.00037			PASS	
		0	-4.09	-0.00159			PASS	
		10	-1.90	-0.00074			PASS	
		20	-4.78	-0.00186			PASS	
		30	-4.02	-0.00157			PASS	
		40	0.36	0.00014			PASS	
		15	LCH	VN	-30	-5.29	-0.00211	PASS
					-20	-3.25	-0.0013	PASS
					-10	-1.22	-0.00049	PASS
					0	-4.12	-0.00164	PASS
					10	-3.35	-0.00134	PASS
					20	-1.07	-0.00043	PASS
					30	-7.62	-0.00304	PASS
					40	-3.22	-0.00128	PASS
					50	-2.43	-0.00097	PASS
					MCH	VN	-30	-0.46
			-20	2.45			0.00097	PASS
-10	2.60		0.00103	PASS				
0	1.77		0.0007	PASS				
10	2.95		0.00116	PASS				
20	-1.69		-0.00067	PASS				
30	1.52		0.0006	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	2.79	0.0011	PASS
					50	-1.13	-0.00045	PASS
			HCH	VN	-30	0.94	0.00037	PASS
					-20	-1.75	-0.00068	PASS
					-10	-3.63	-0.00142	PASS
					0	-2.96	-0.00116	PASS
					10	-4.99	-0.00195	PASS
					20	-4.18	-0.00163	PASS
					30	-0.14	-0.00005	PASS
					40	1.39	0.00054	PASS
					50	-0.54	-0.00021	PASS
			LCH	VN	-30	-0.13	-0.00005	PASS
					-20	-3.36	-0.00134	PASS
					-10	-2.86	-0.00114	PASS
					0	0.24	0.0001	PASS
		10			-1.85	-0.00074	PASS	
		20			-0.94	-0.00037	PASS	
		30			-3.78	-0.00151	PASS	
		40			0.16	0.00006	PASS	
		50			-3.72	-0.00148	PASS	
		MCH	VN	-30	-0.84	-0.00033	PASS	
				-20	2.88	0.00114	PASS	
				-10	0.10	0.00004	PASS	
				0	1.86	0.00073	PASS	
				10	-1.79	-0.00071	PASS	
				20	-1.59	-0.00063	PASS	
				30	-1.76	-0.00069	PASS	
				40	1.82	0.00072	PASS	
				50	-2.15	-0.00085	PASS	
		HCH	VN	-30	-3.10	-0.00121	PASS	
-20	-2.36			-0.00092	PASS			
-10	-3.96			-0.00155	PASS			
0	-1.86			-0.00073	PASS			
10	-0.23			-0.00009	PASS			
20	0.26			0.0001	PASS			
30	-0.43			-0.00017	PASS			
40	-1.77			-0.00069	PASS			
50	-2.29			-0.00089	PASS			
LTE/TM2	5	LCH	VN	-30	-0.09	-0.00004	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		10			-20	2.88	0.00115	PASS		
					-10	-1.00	-0.0004	PASS		
					0	-4.56	-0.00182	PASS		
					10	-1.39	-0.00056	PASS		
					20	-1.24	-0.0005	PASS		
					30	-1.14	-0.00046	PASS		
					40	-1.93	-0.00077	PASS		
					50	-6.04	-0.00241	PASS		
			MCH	VN	-30	-1.52	-0.0006	PASS		
					-20	-1.99	-0.00079	PASS		
					-10	-2.80	-0.0011	PASS		
					0	-3.59	-0.00142	PASS		
					10	2.06	0.00081	PASS		
					20	-1.89	-0.00075	PASS		
					30	2.10	0.00083	PASS		
					40	1.87	0.00074	PASS		
			HCH	VN	-30	4.36	0.0017	PASS		
					-20	-8.21	-0.0032	PASS		
					-10	2.23	0.00087	PASS		
					0	3.12	0.00122	PASS		
					10	-0.07	-0.00003	PASS		
					20	-3.53	-0.00137	PASS		
					30	-25.84	-0.01006	PASS		
					40	-3.49	-0.00136	PASS		
			10	LCH	VN	-30	-3.28	-0.00131	PASS	
						-20	1.89	0.00075	PASS	
						-10	1.87	0.00075	PASS	
						0	1.80	0.00072	PASS	
		10				3.53	0.00141	PASS		
		20				-3.81	-0.00152	PASS		
		30				-1.75	-0.0007	PASS		
		40				-3.53	-0.00141	PASS		
		50				-5.97	-0.00238	PASS		
		MCH				VN	-30	1.06	0.00042	PASS
							-20	3.92	0.00155	PASS
							-10	-1.37	-0.00054	PASS
			0	-0.01	0		PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	1.02	0.0004	PASS
					20	0.67	0.00026	PASS
					30	-2.85	-0.00112	PASS
					40	-0.26	-0.0001	PASS
					50	0.99	0.00039	PASS
			HCH	VN	-30	-1.49	-0.00058	PASS
					-20	-2.46	-0.00096	PASS
					-10	-6.12	-0.00239	PASS
					0	-2.79	-0.00109	PASS
					10	-0.89	-0.00035	PASS
					20	-2.07	-0.00081	PASS
					30	0.96	0.00037	PASS
					40	3.09	0.0012	PASS
					50	-3.96	-0.00154	PASS
					LCH	VN	-30	-2.06
		-20	-7.50	-0.00299			PASS	
		-10	-2.68	-0.00107			PASS	
		0	-4.55	-0.00181			PASS	
		10	-2.13	-0.00085			PASS	
		20	-1.97	-0.00079			PASS	
		30	-5.91	-0.00236			PASS	
		40	-1.56	-0.00062			PASS	
		MCH	VN	50	0.19	0.00008	PASS	
				-30	1.95	0.00077	PASS	
				-20	0.84	0.00033	PASS	
				-10	2.49	0.00098	PASS	
				0	-2.03	-0.0008	PASS	
				10	0.74	0.00029	PASS	
				20	3.15	0.00124	PASS	
				30	-0.03	-0.00001	PASS	
				40	3.18	0.00125	PASS	
		50	1.93	0.00076	PASS			
		HCH	VN	-30	-0.21	-0.00008	PASS	
-20	-3.16			-0.00123	PASS			
-10	-2.69			-0.00105	PASS			
0	-0.49			-0.00019	PASS			
10	-2.29			-0.00089	PASS			
20	-1.87			-0.00073	PASS			
30	-2.73			-0.00107	PASS			
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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	1.57	0.00061	PASS	
					50	-2.02	-0.00079	PASS	
		20	LCH	VN	-30	0.77	0.00031	PASS	
					-20	-0.69	-0.00027	PASS	
					-10	-3.42	-0.00136	PASS	
					0	-2.53	-0.00101	PASS	
					10	-2.95	-0.00118	PASS	
					20	-1.36	-0.00054	PASS	
					30	-1.80	-0.00072	PASS	
					40	-0.57	-0.00023	PASS	
					50	-5.45	-0.00217	PASS	
						MCH	VN	-30	0.66
			-20	-0.46	-0.00018			PASS	
			-10	-4.16	-0.00164			PASS	
			0	-1.26	-0.0005			PASS	
			10	-1.50	-0.00059			PASS	
			20	-1.40	-0.00055			PASS	
			30	0.06	0.00002			PASS	
			40	1.29	0.00051			PASS	
				HCH	VN	50	-1.99	-0.00079	PASS
			-30			1.07	0.00042	PASS	
			-20			-1.66	-0.00065	PASS	
			-10			-1.96	-0.00077	PASS	
			0			-1.37	-0.00054	PASS	
			10			-2.17	-0.00085	PASS	
			20			-0.97	-0.00038	PASS	
		30	-0.14			-0.00005	PASS		
		40	-3.63	-0.00142	PASS				
					50	-4.66	-0.00182	PASS	

END