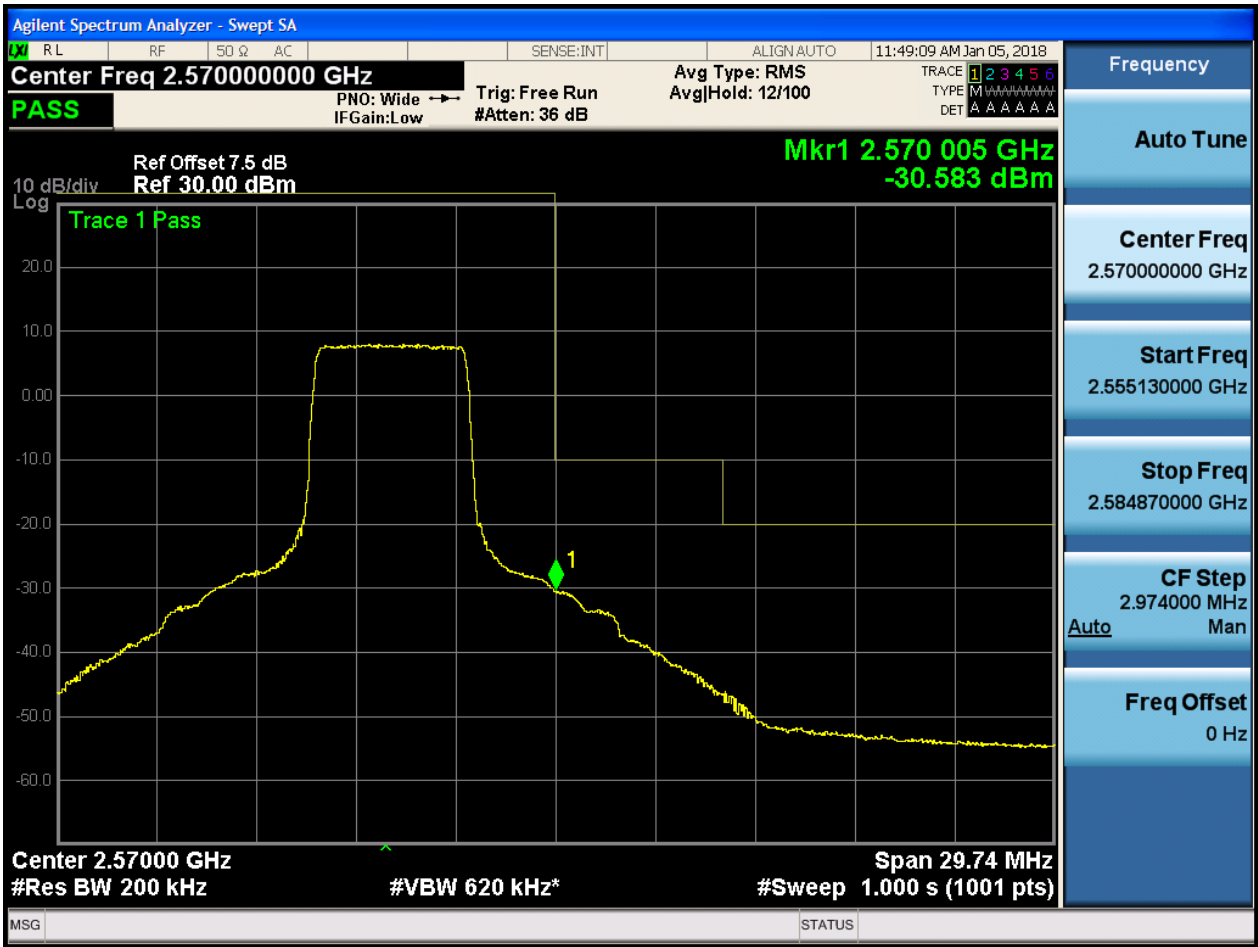




5.1.1.2.2.2.3 Test RB = RB25#13





5.1.1.2.2.2.4 Test RB = RB50#0

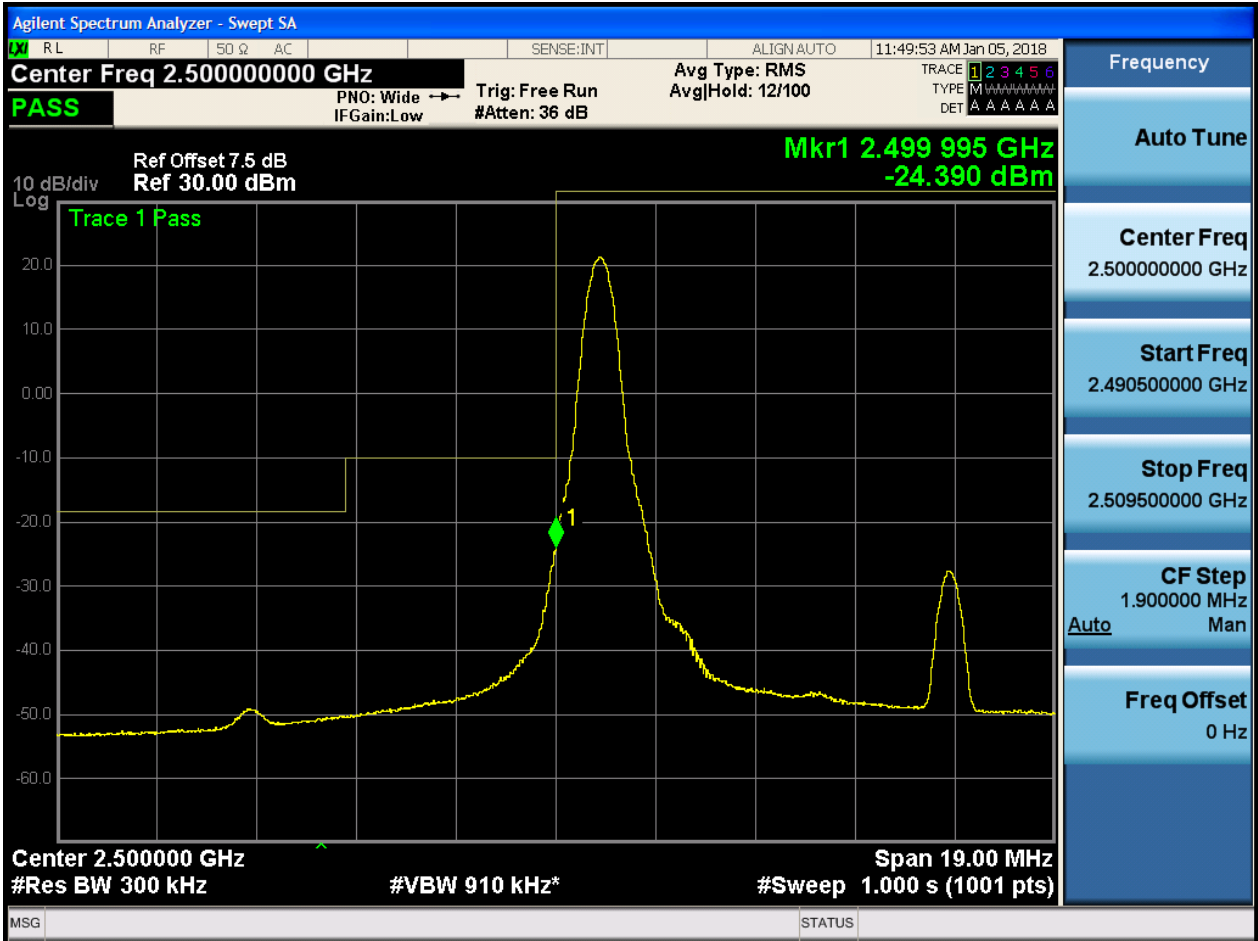




5.1.1.2.3 Test Bandwidth = 15

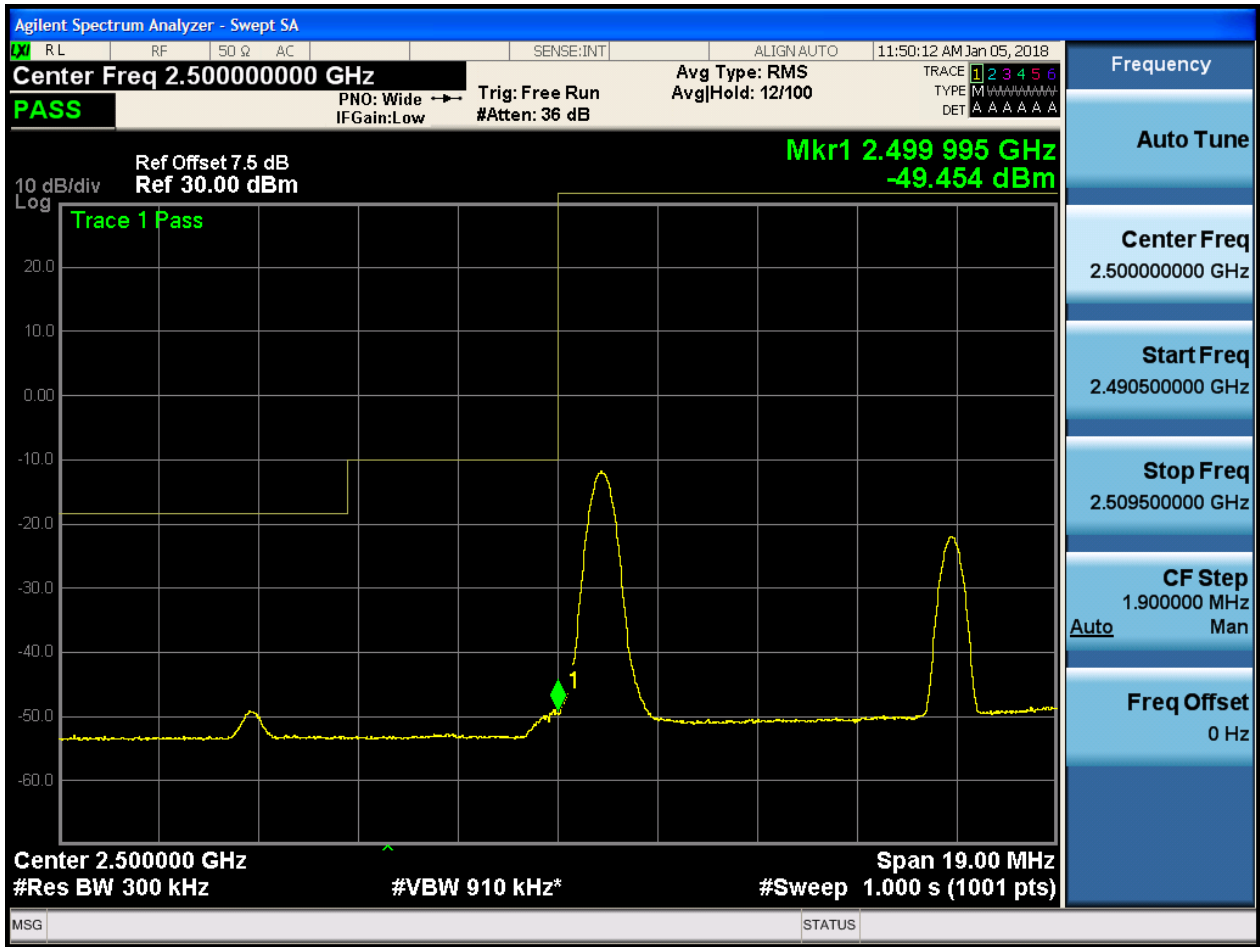
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#74





5.1.1.2.3.1.3 Test RB = RB38#19





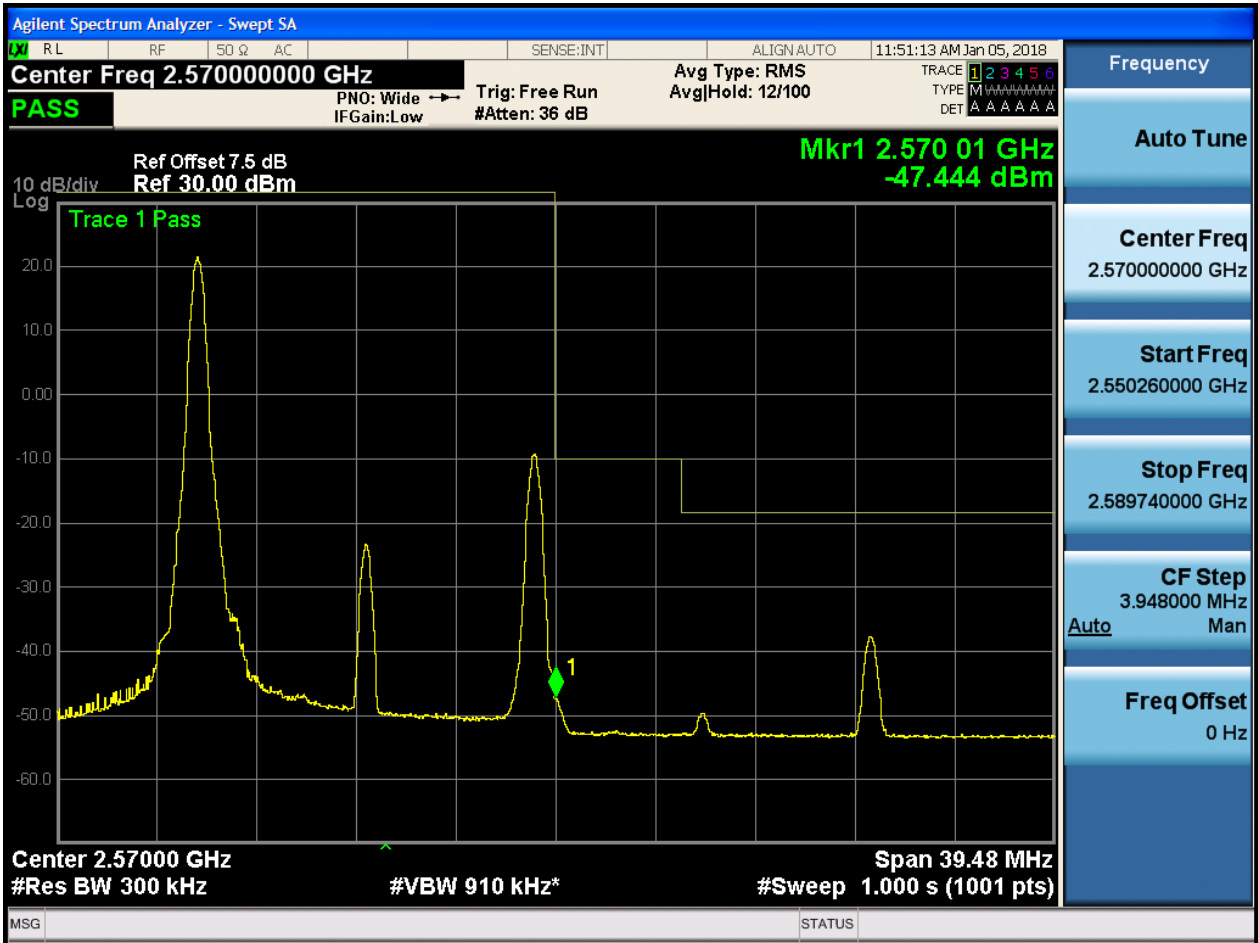
5.1.1.2.3.1.4 Test RB = RB75#0





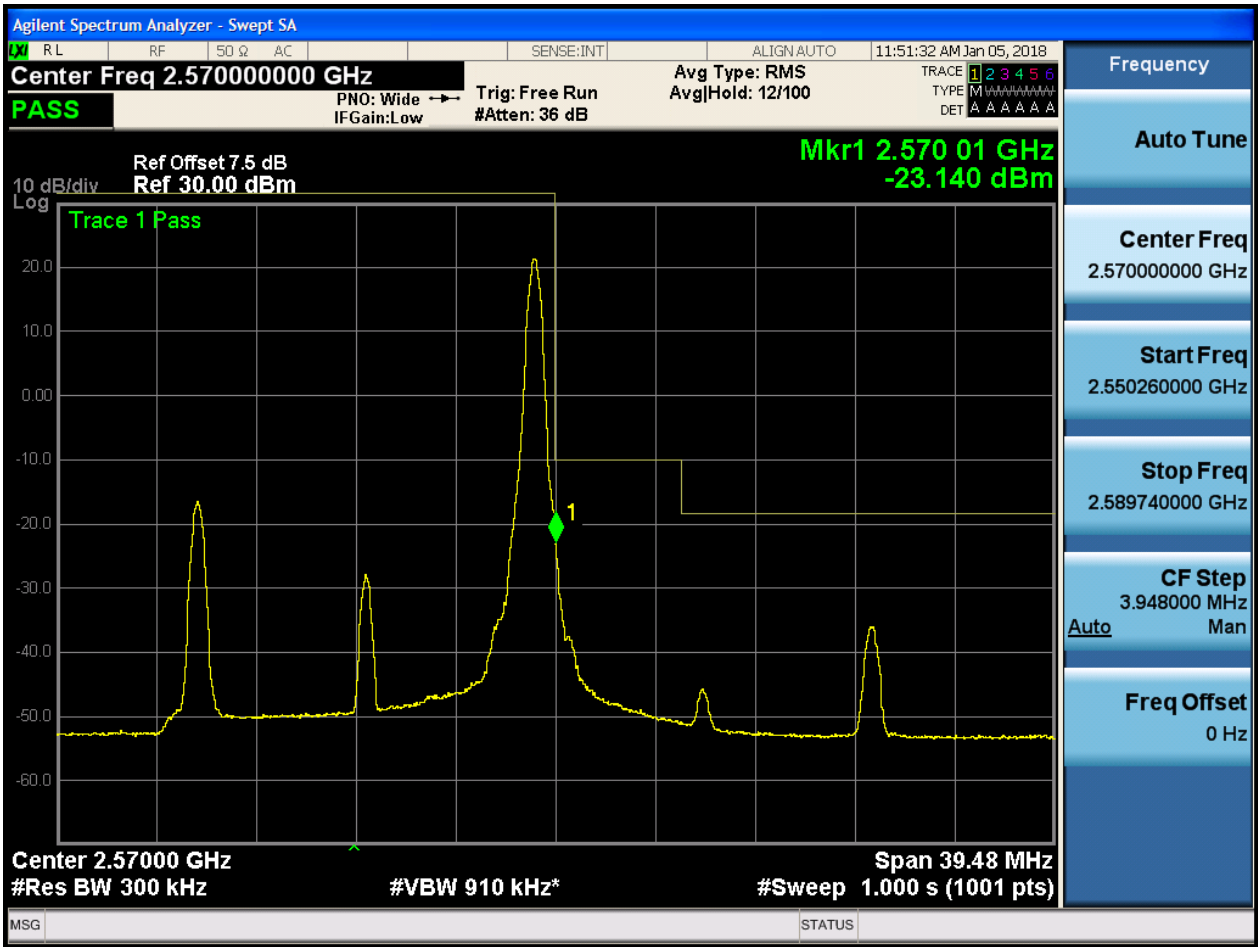
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0



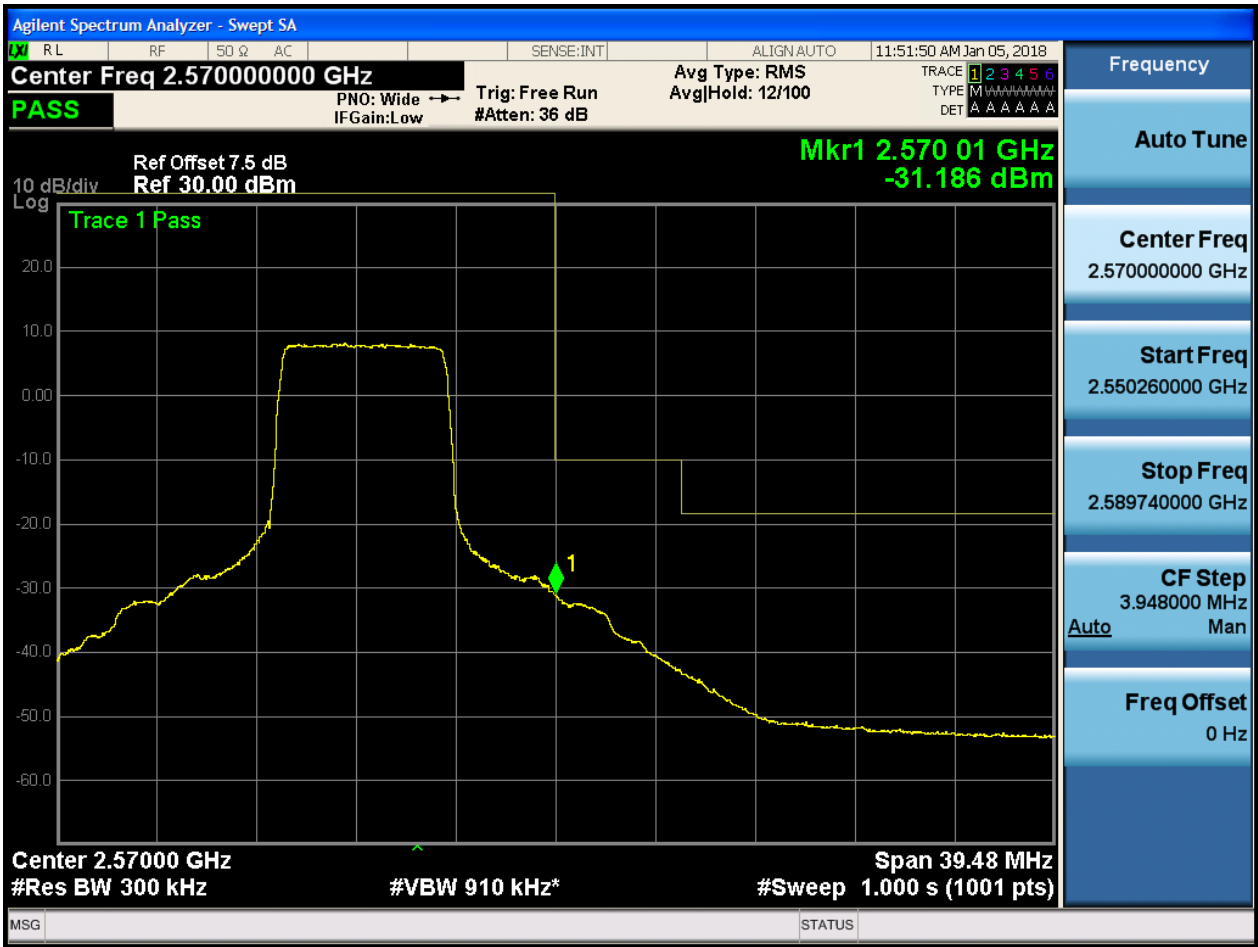


5.1.1.2.3.2.2 Test RB = RB1#74





5.1.1.2.3.2.3 Test RB = RB38#19





5.1.1.2.3.2.4 Test RB = RB75#0

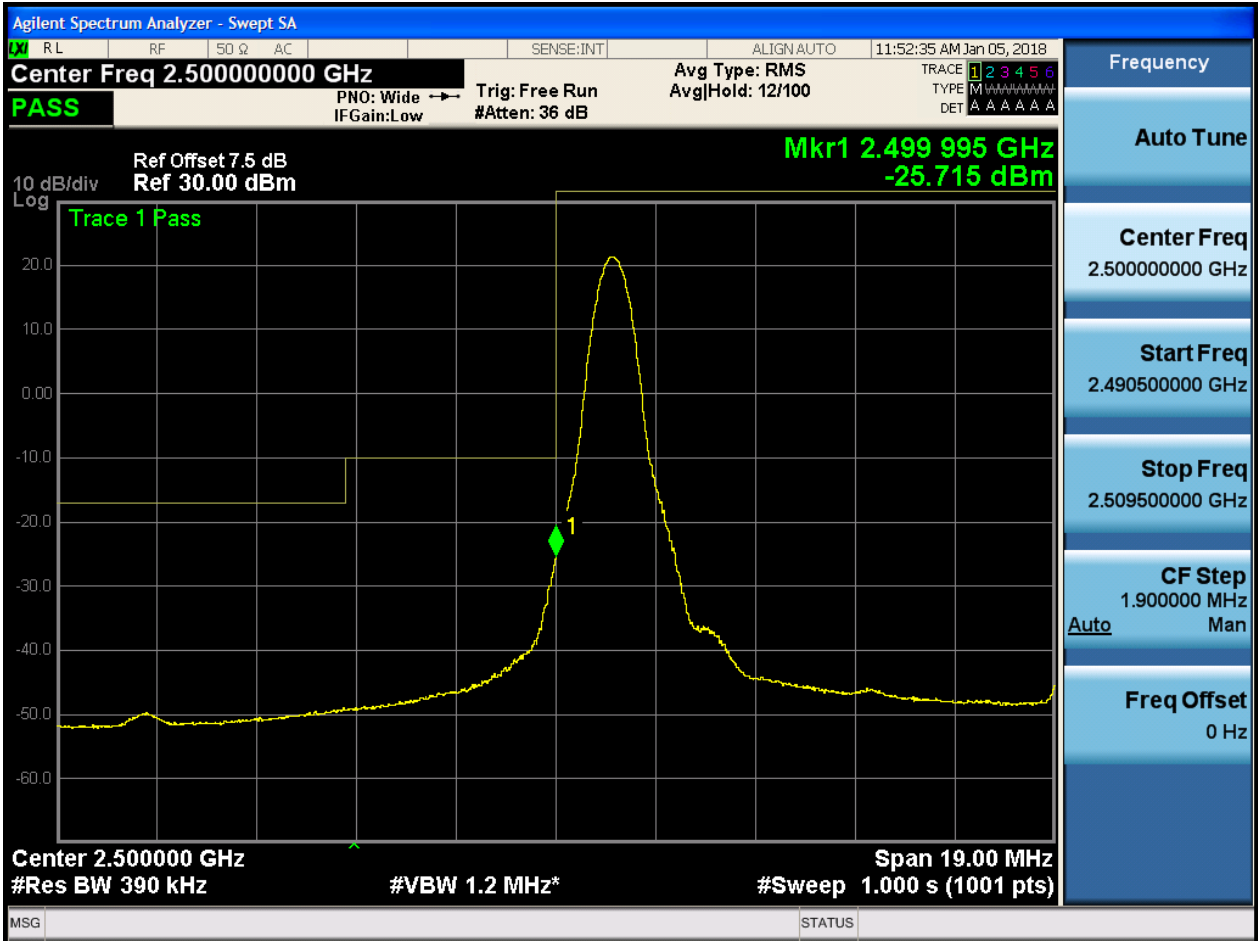




5.1.1.2.4 Test Bandwidth = 20

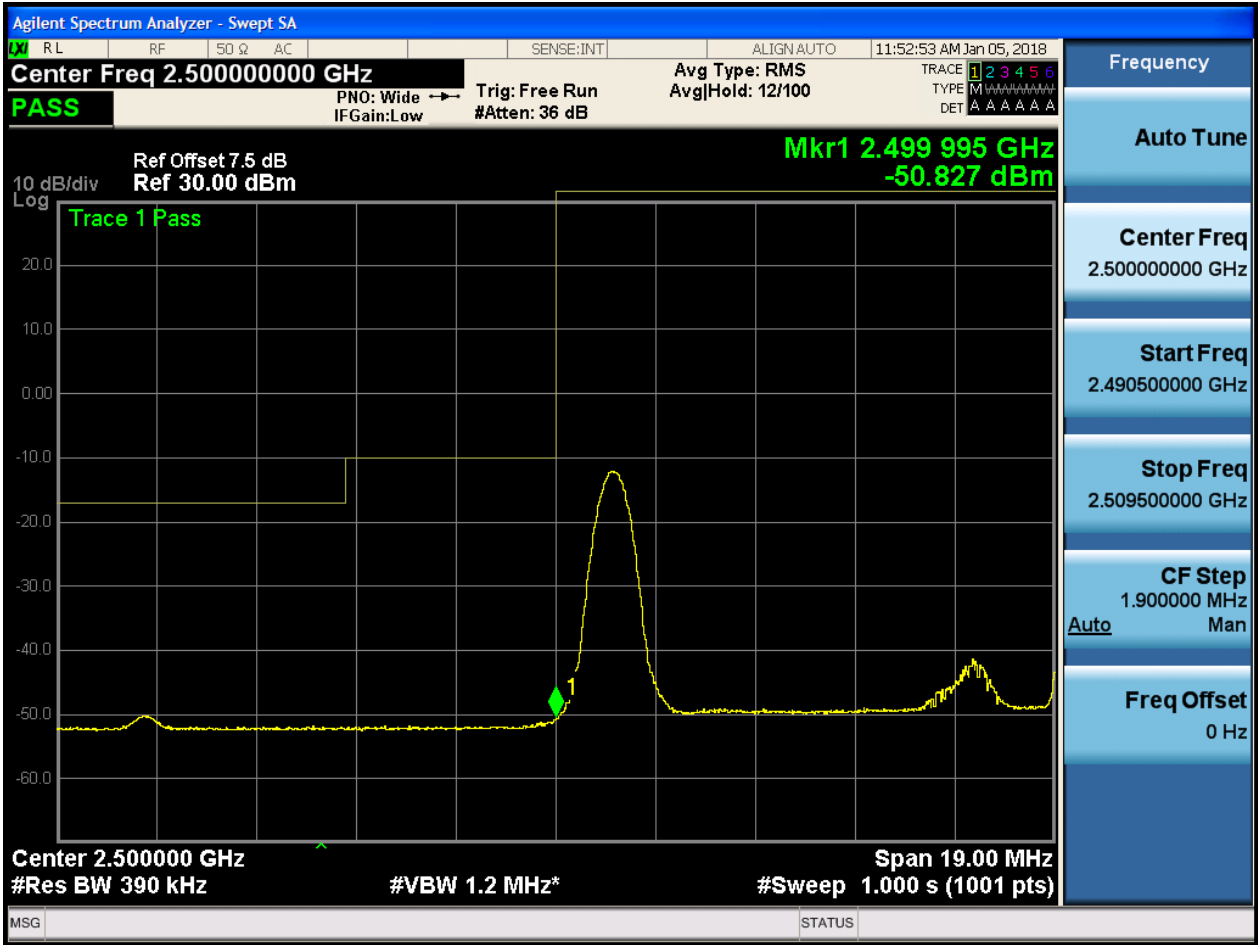
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0





5.1.1.2.4.1.2 Test RB = RB1#99



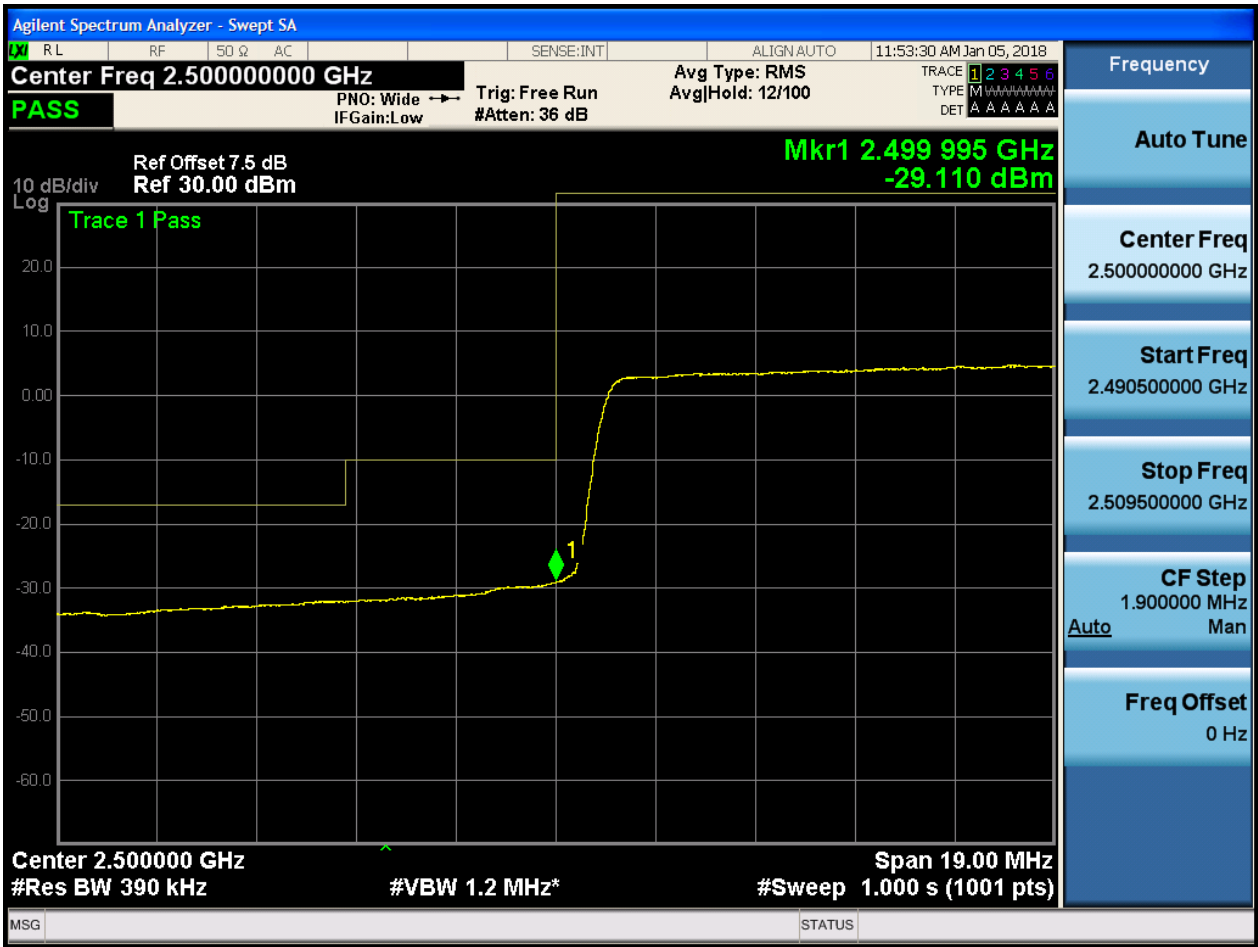


5.1.1.2.4.1.3 Test RB = RB50#25





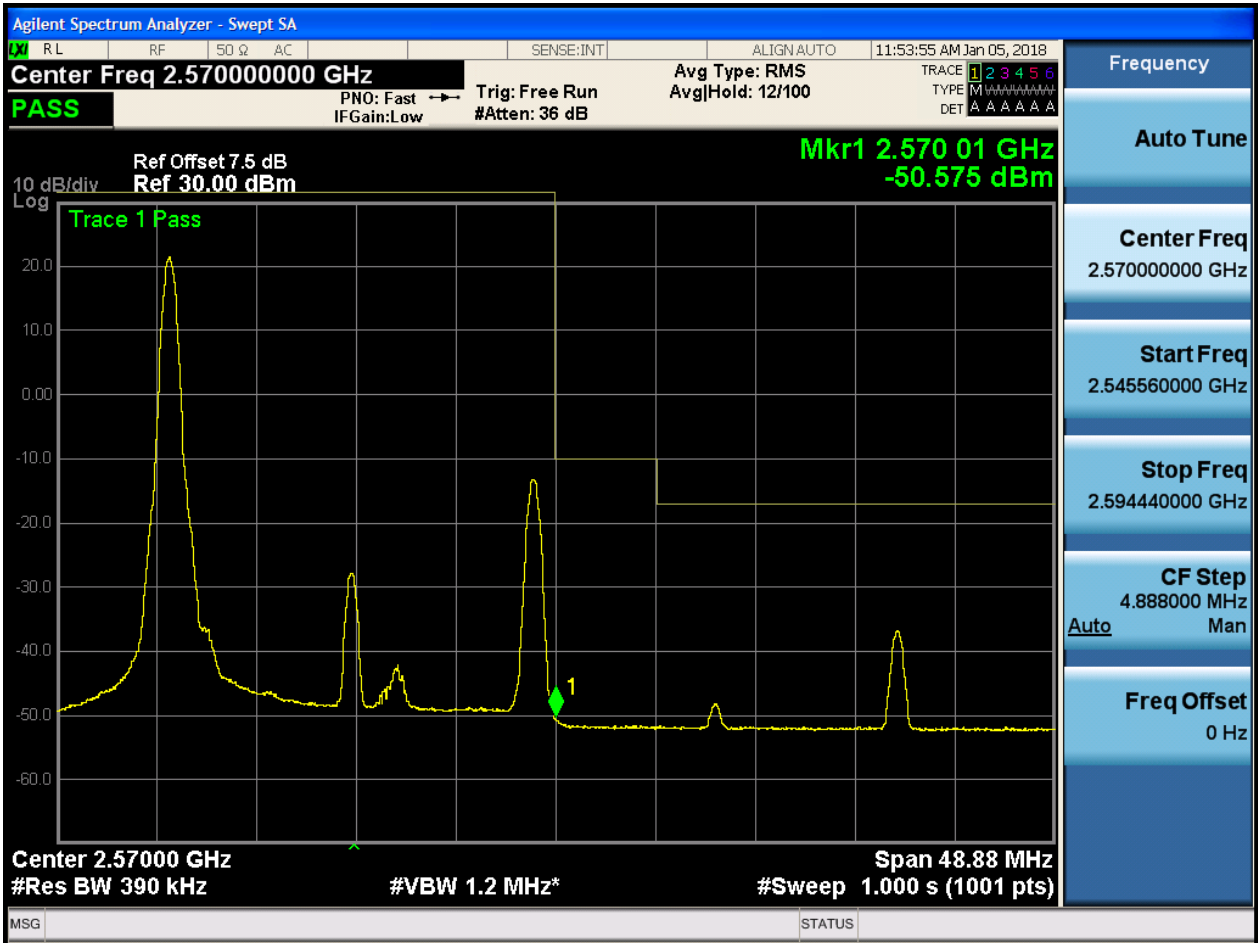
5.1.1.2.4.1.4 Test RB = RB100#0





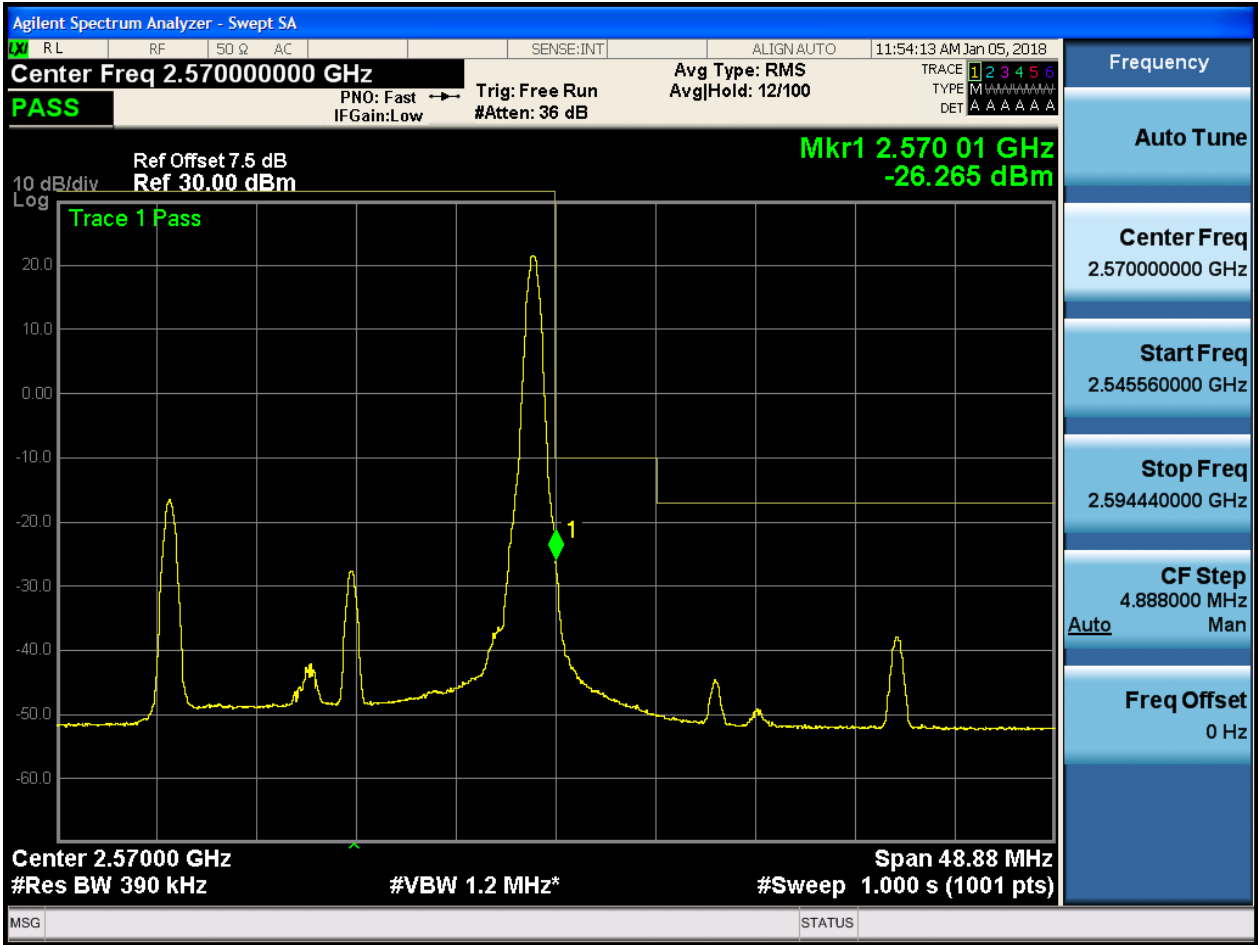
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0



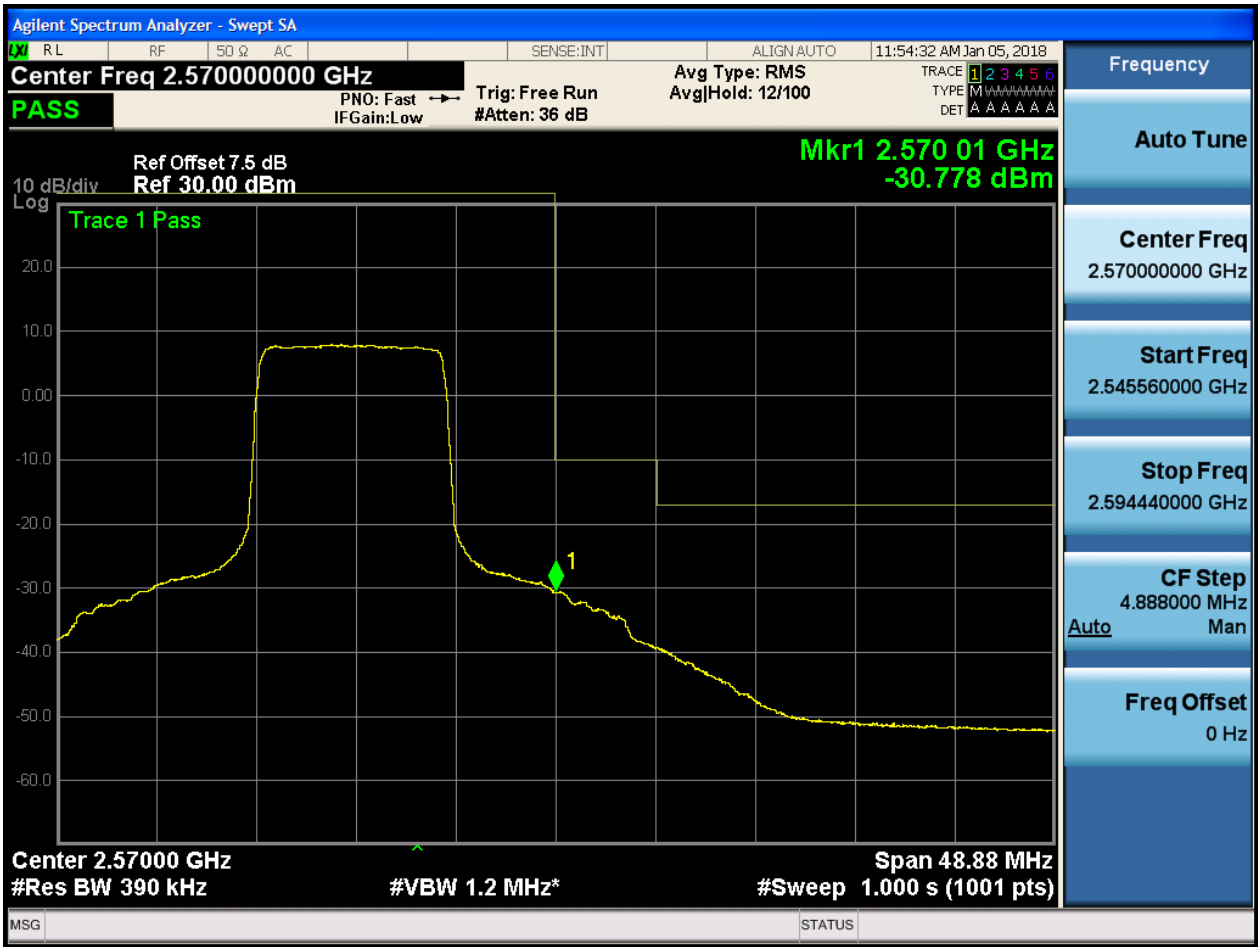


5.1.1.2.4.2.2 Test RB = RB1#99





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

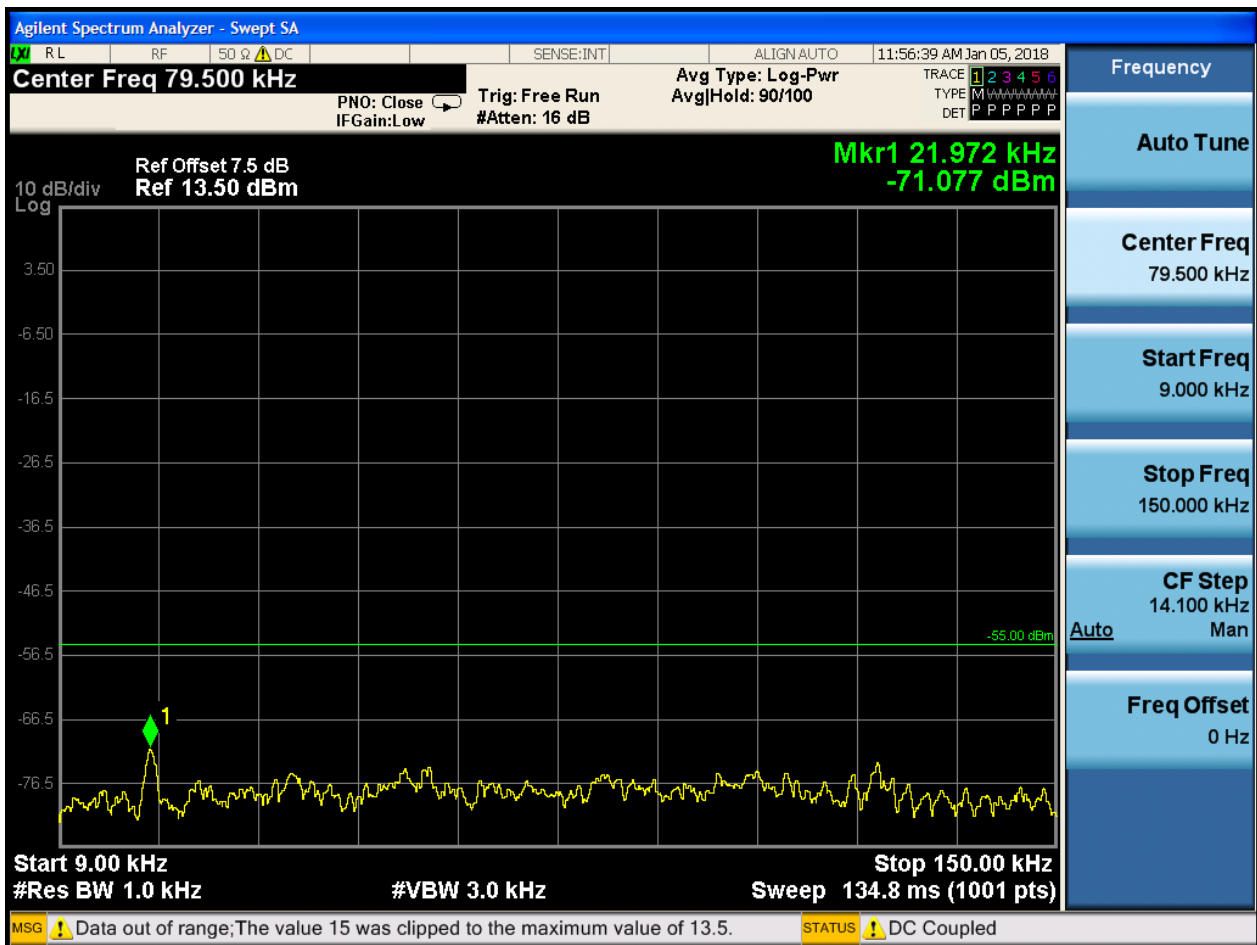
6.1.1 Test Band = BAND7

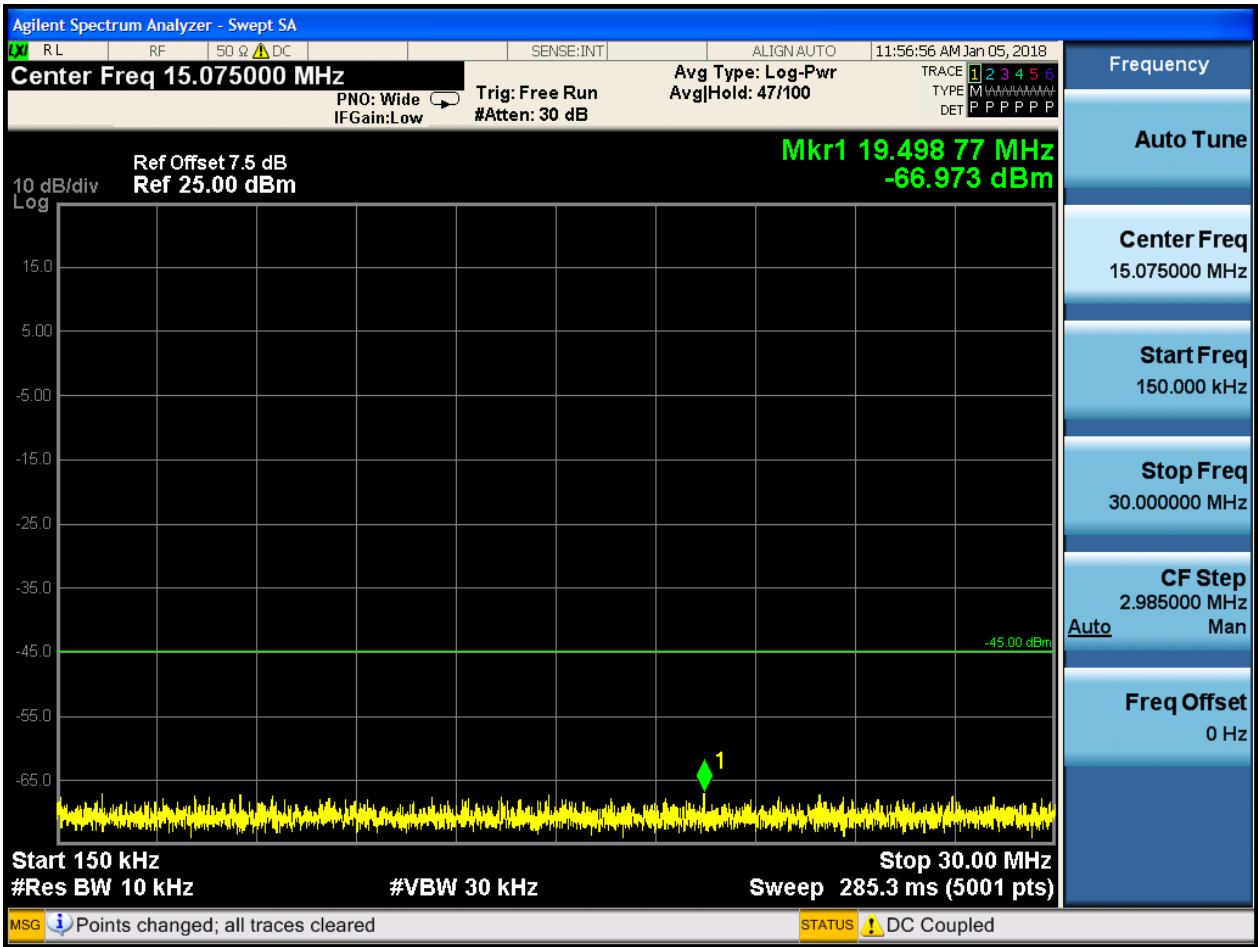
6.1.1.1 Test Mode = LTE/TM1

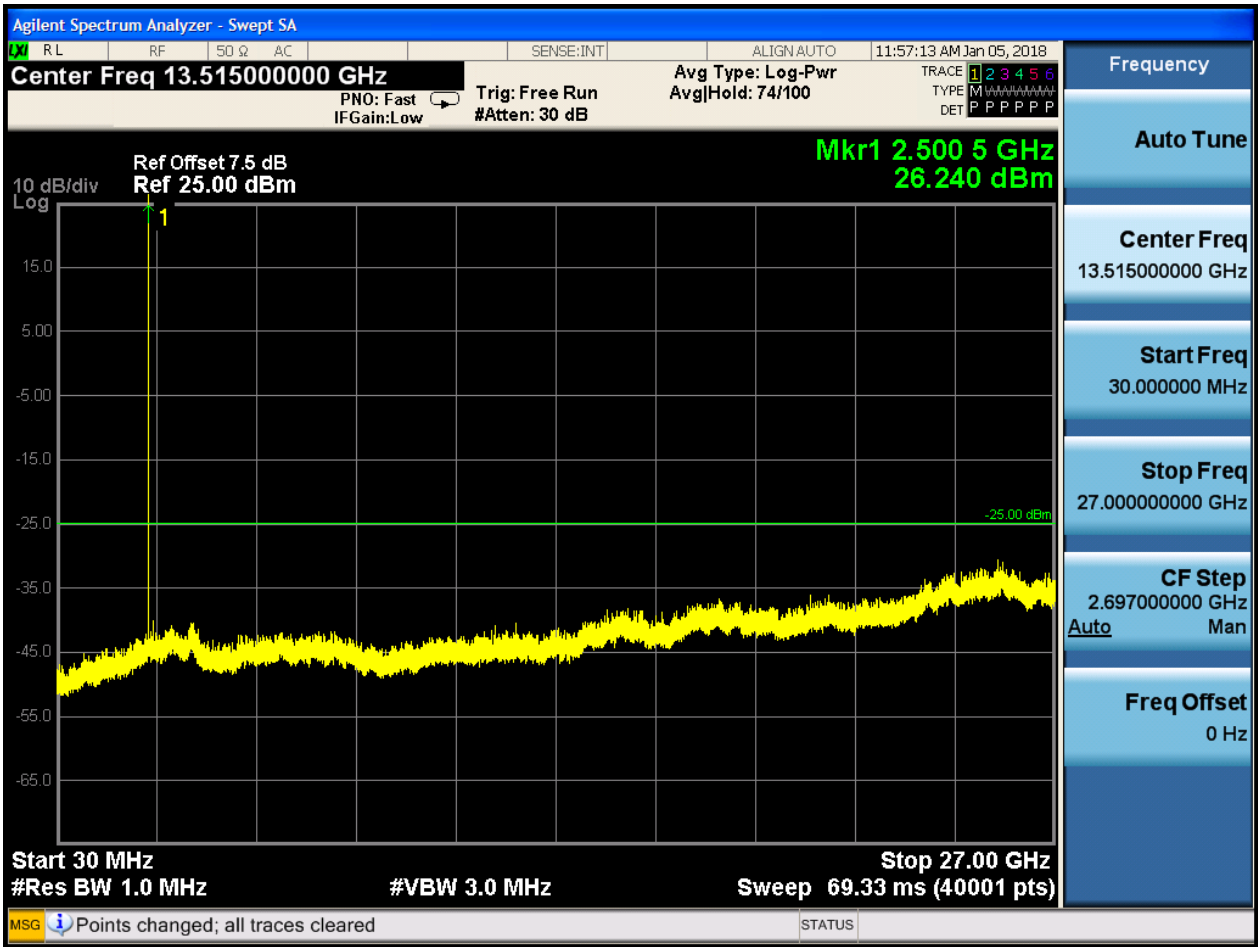
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



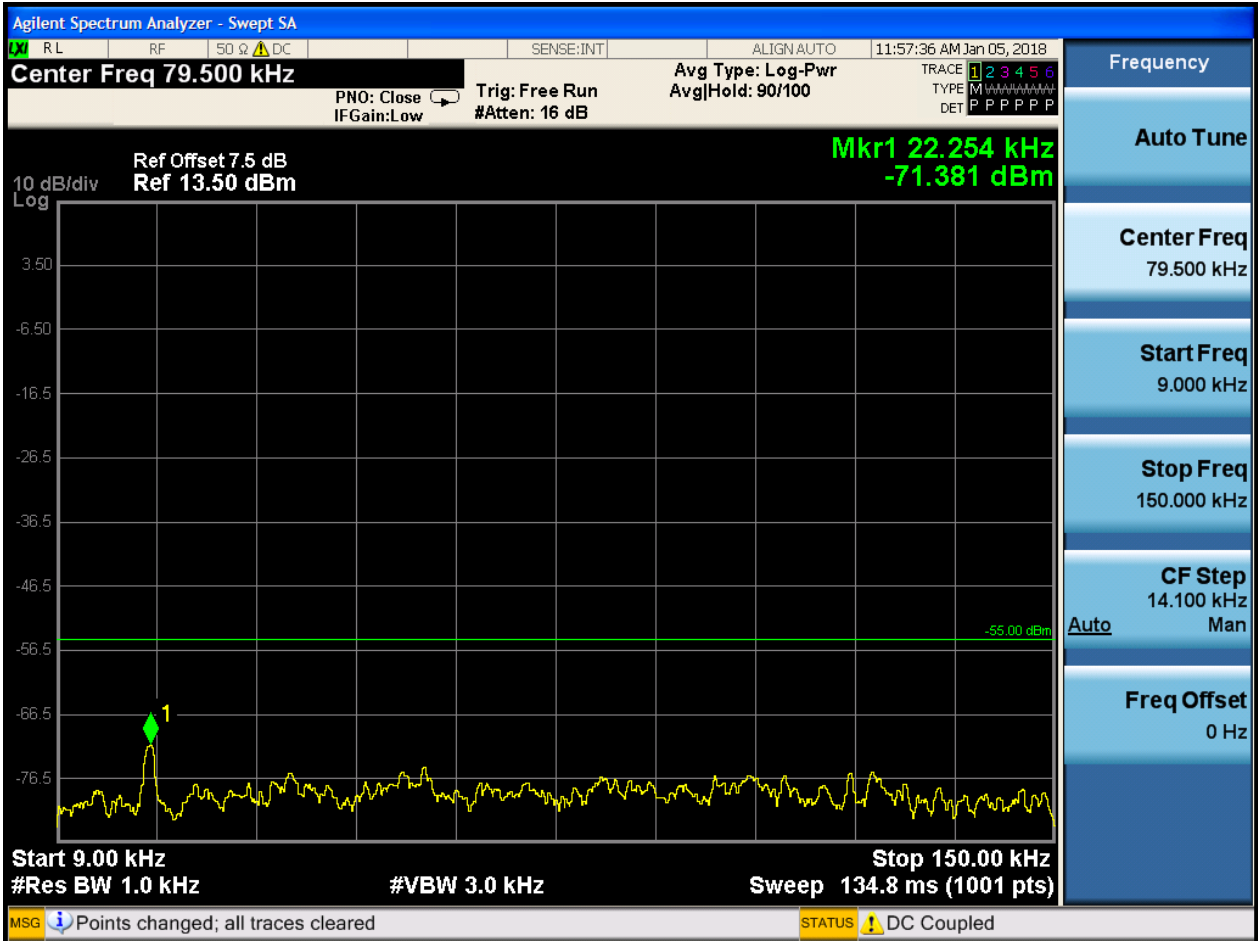


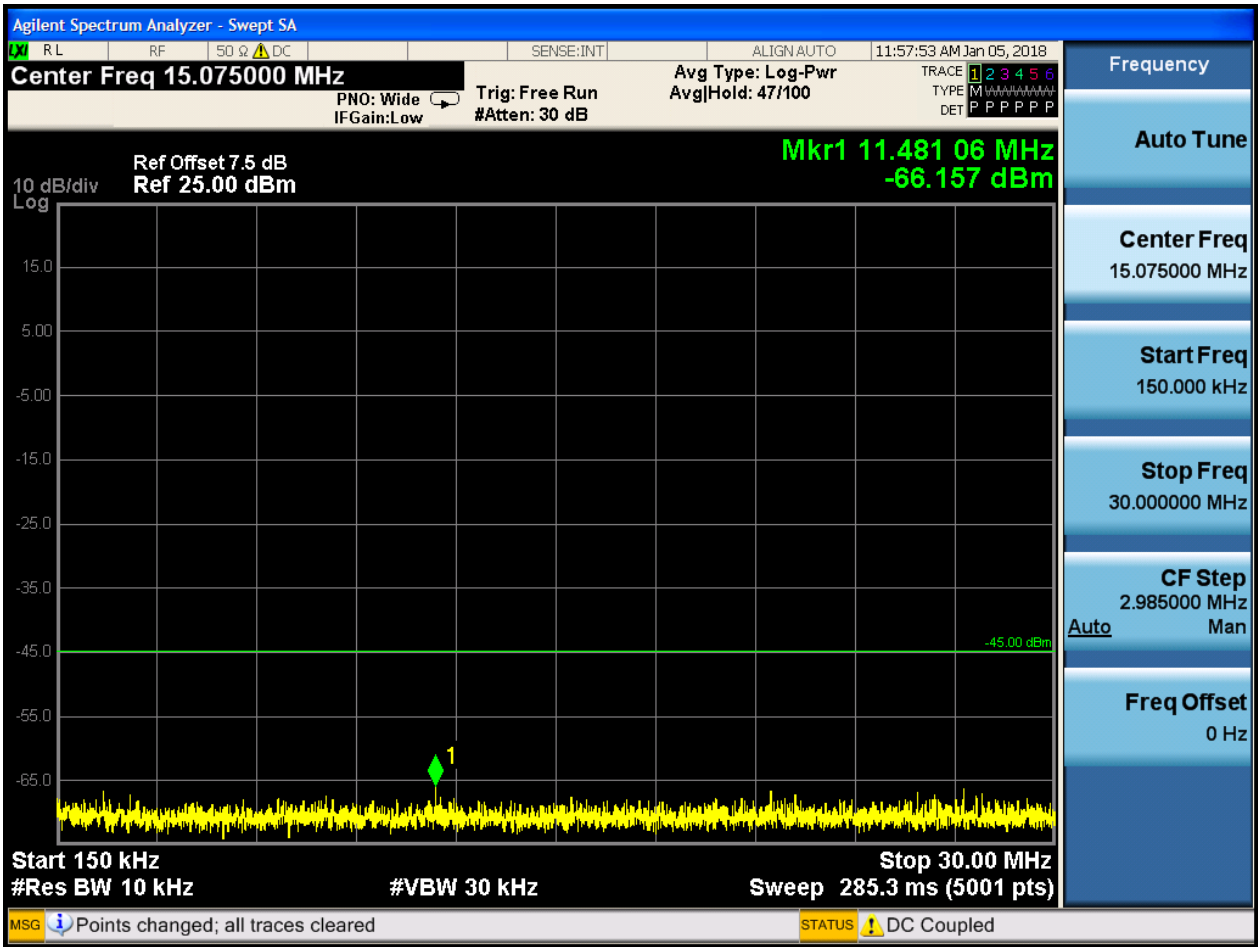


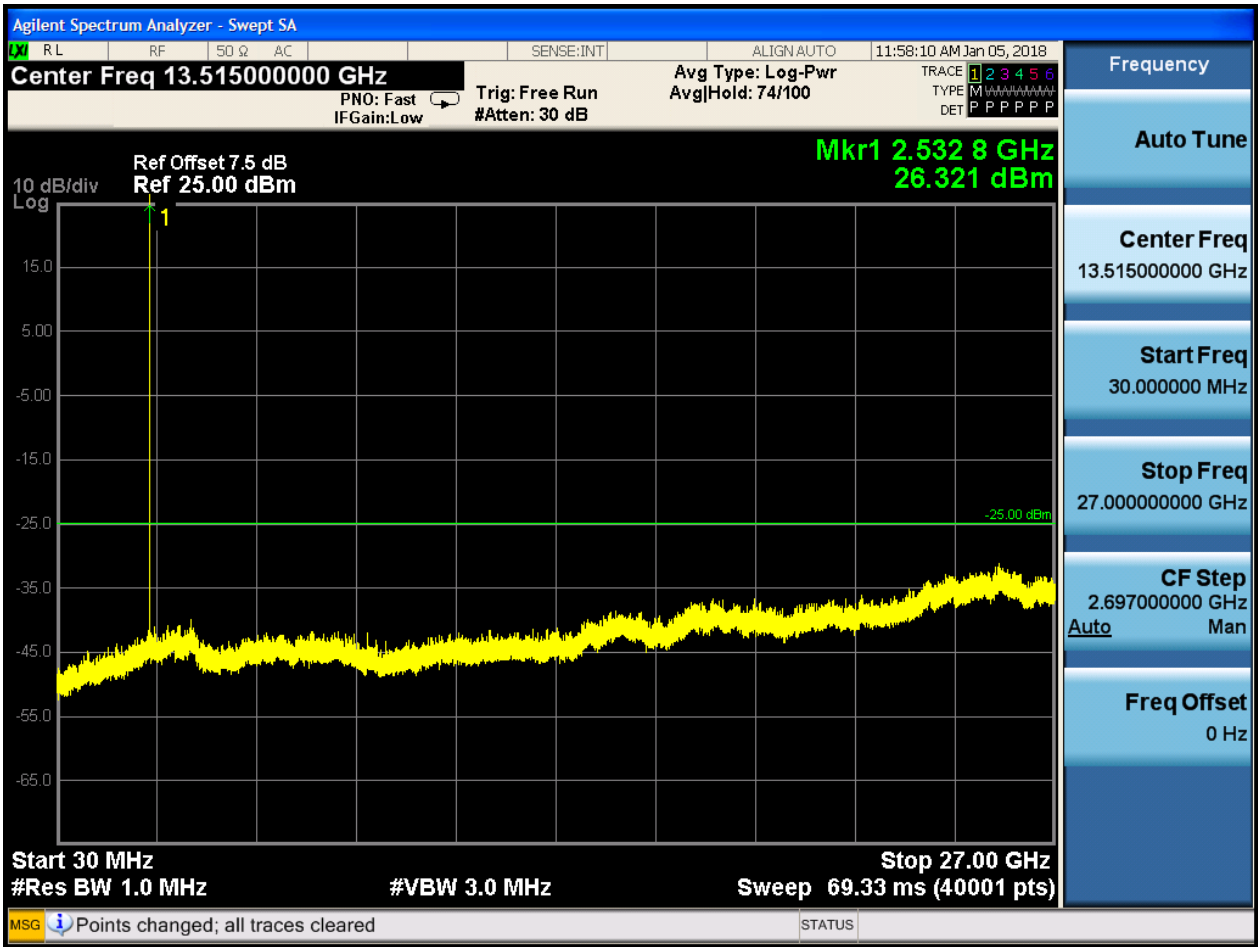


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



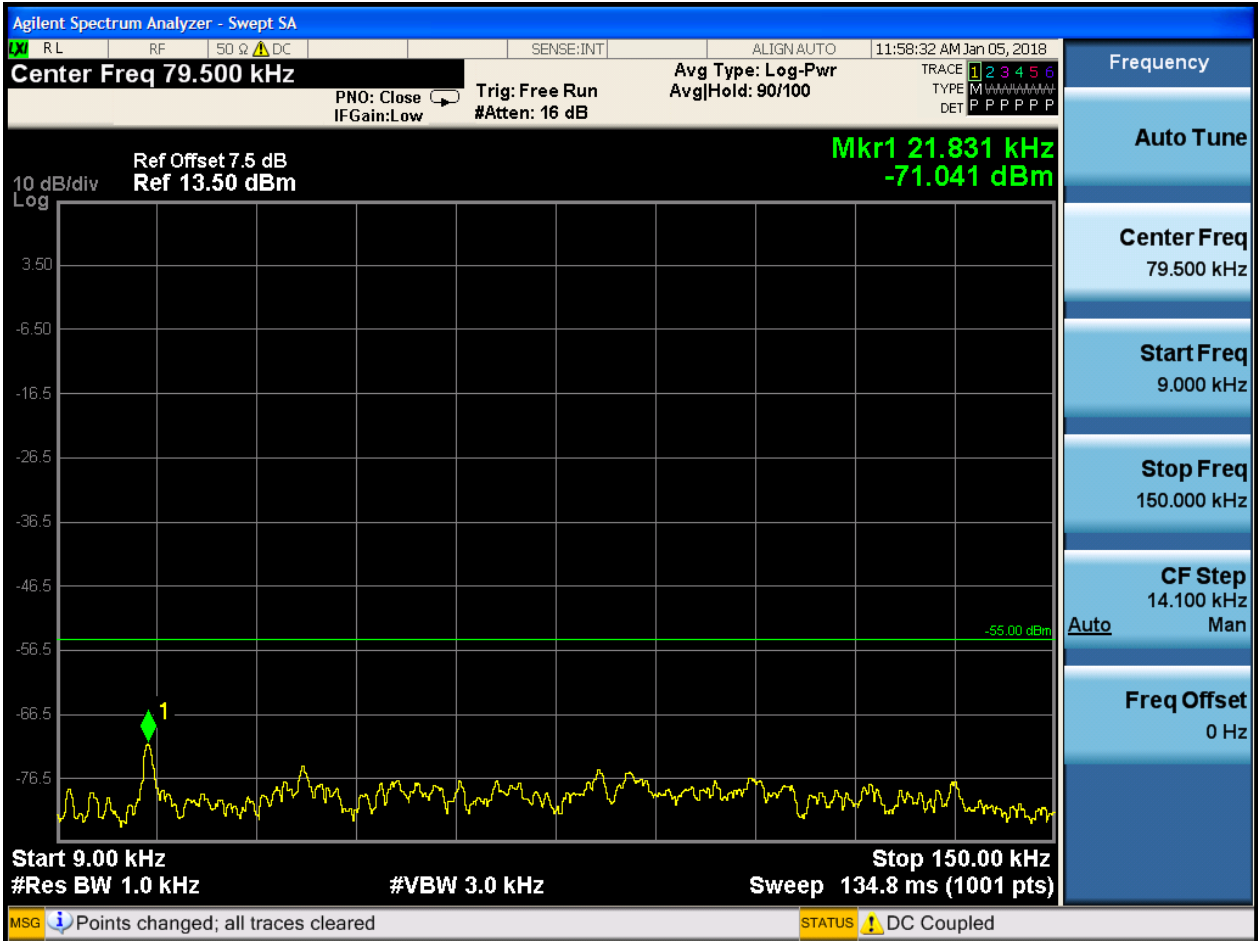


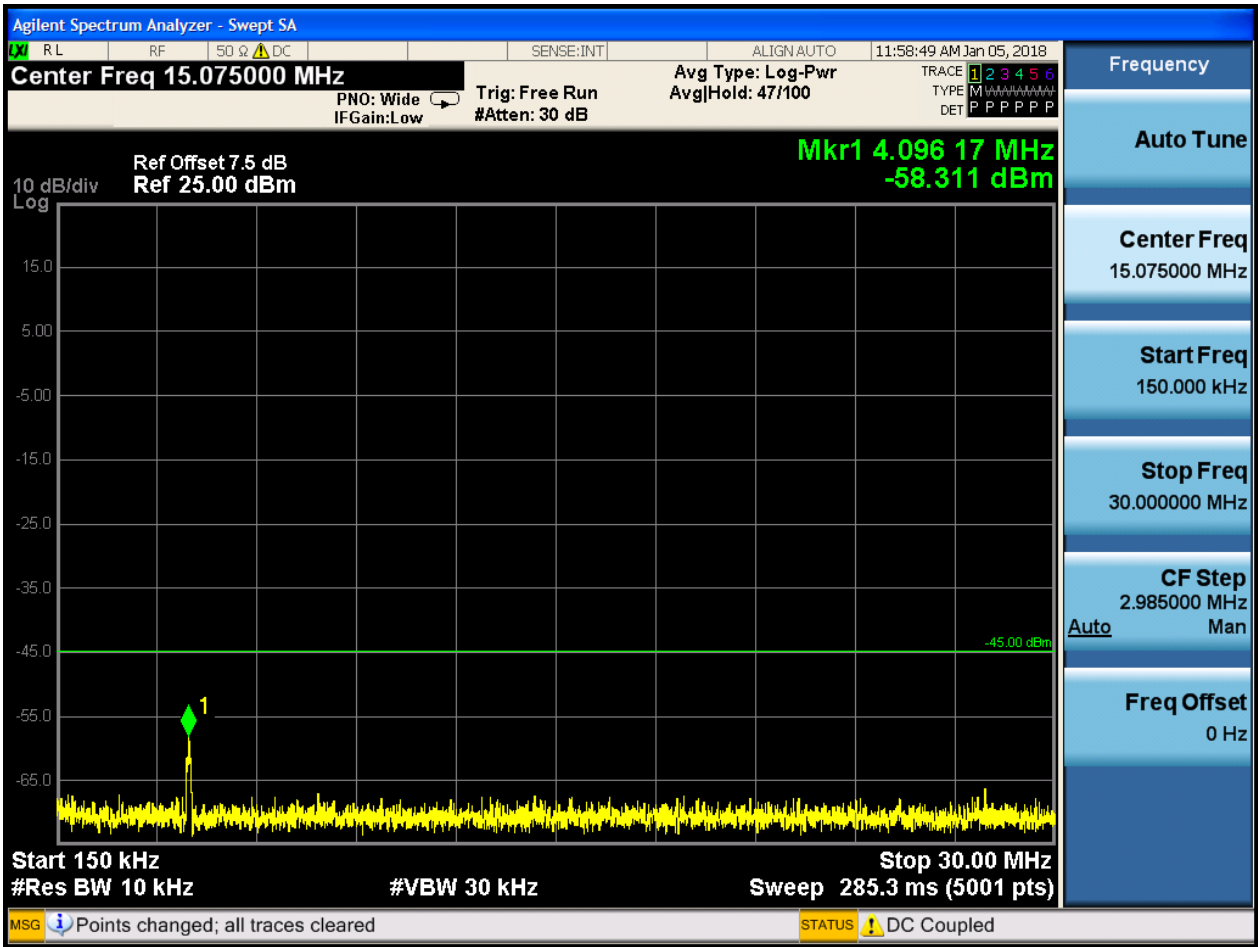


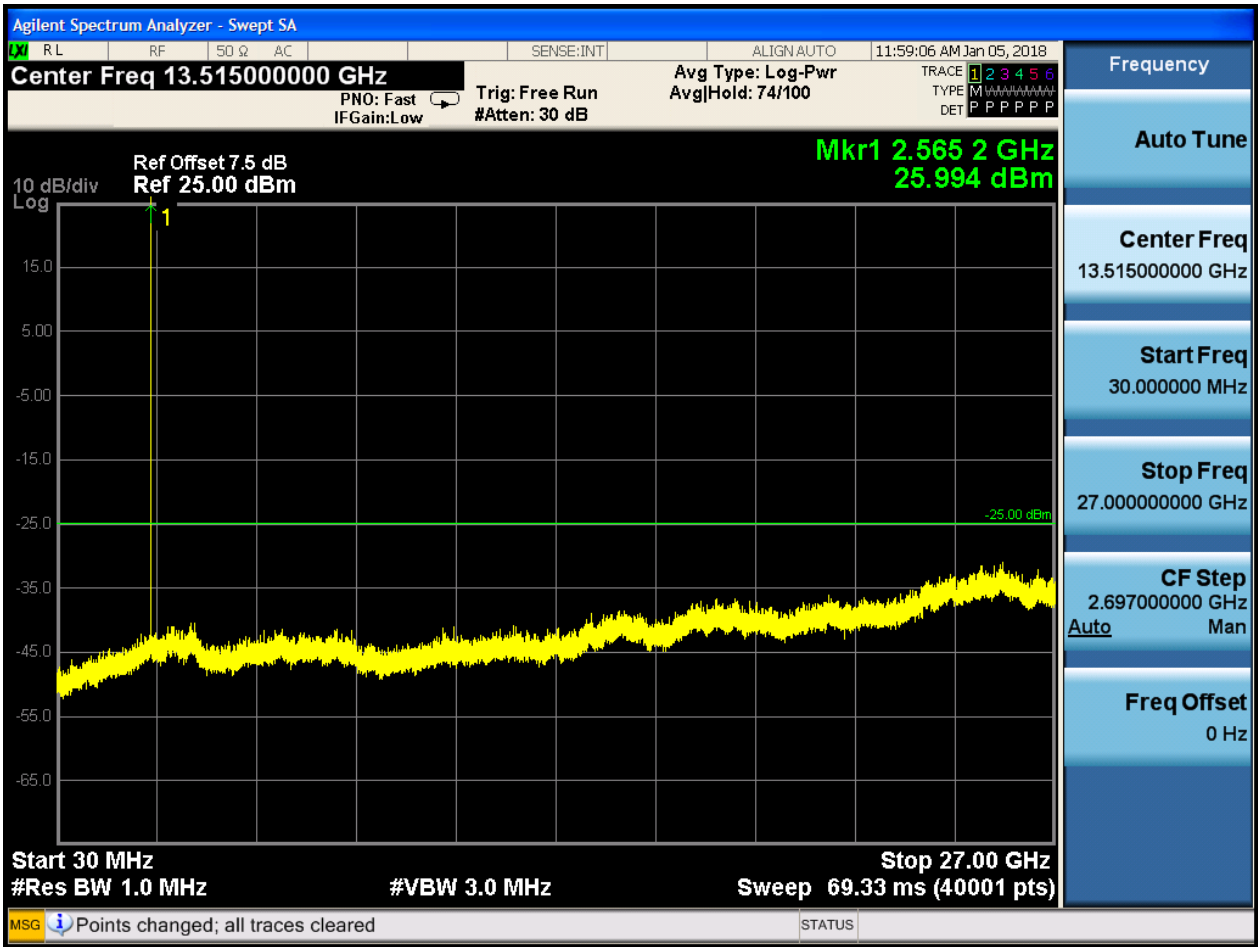


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





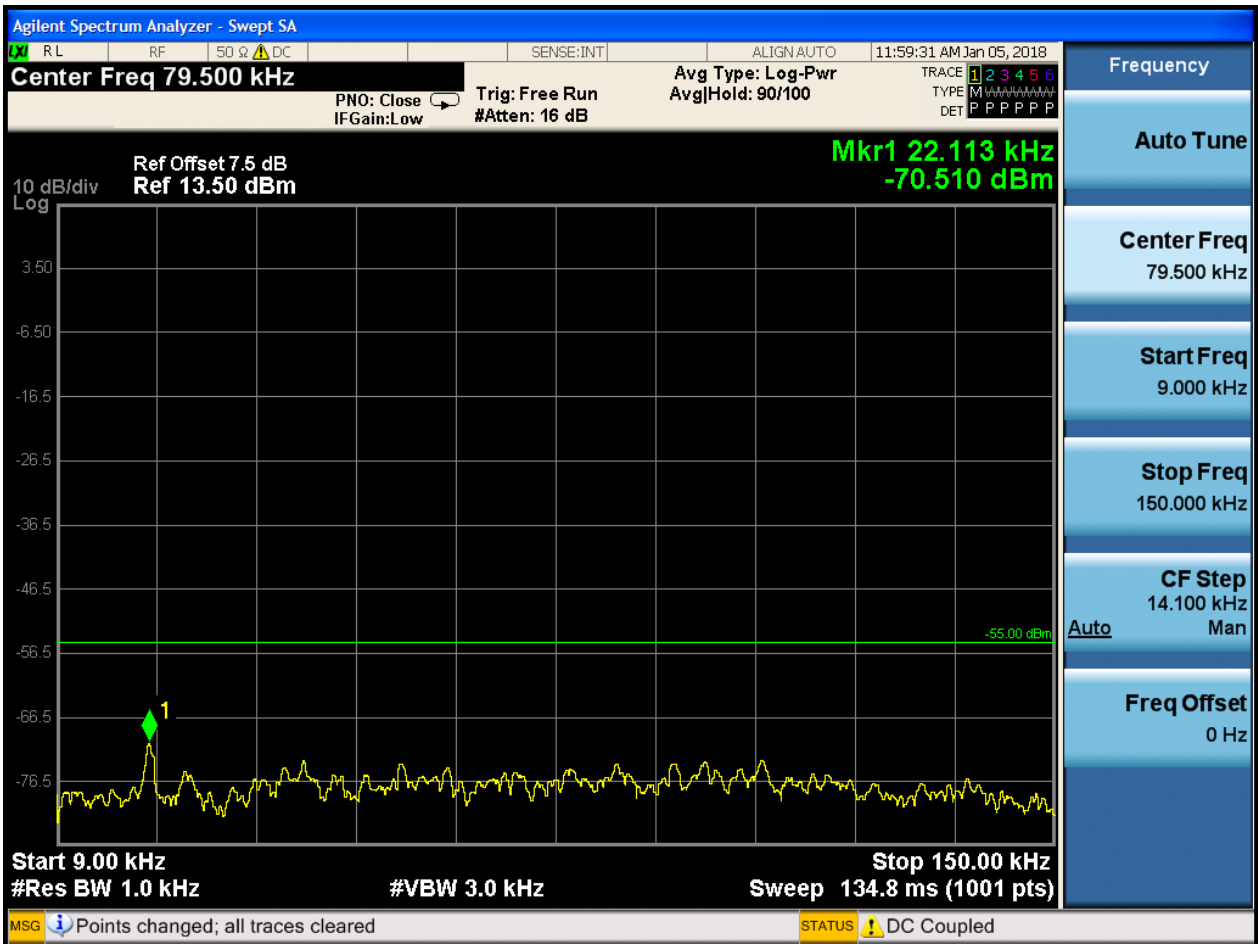


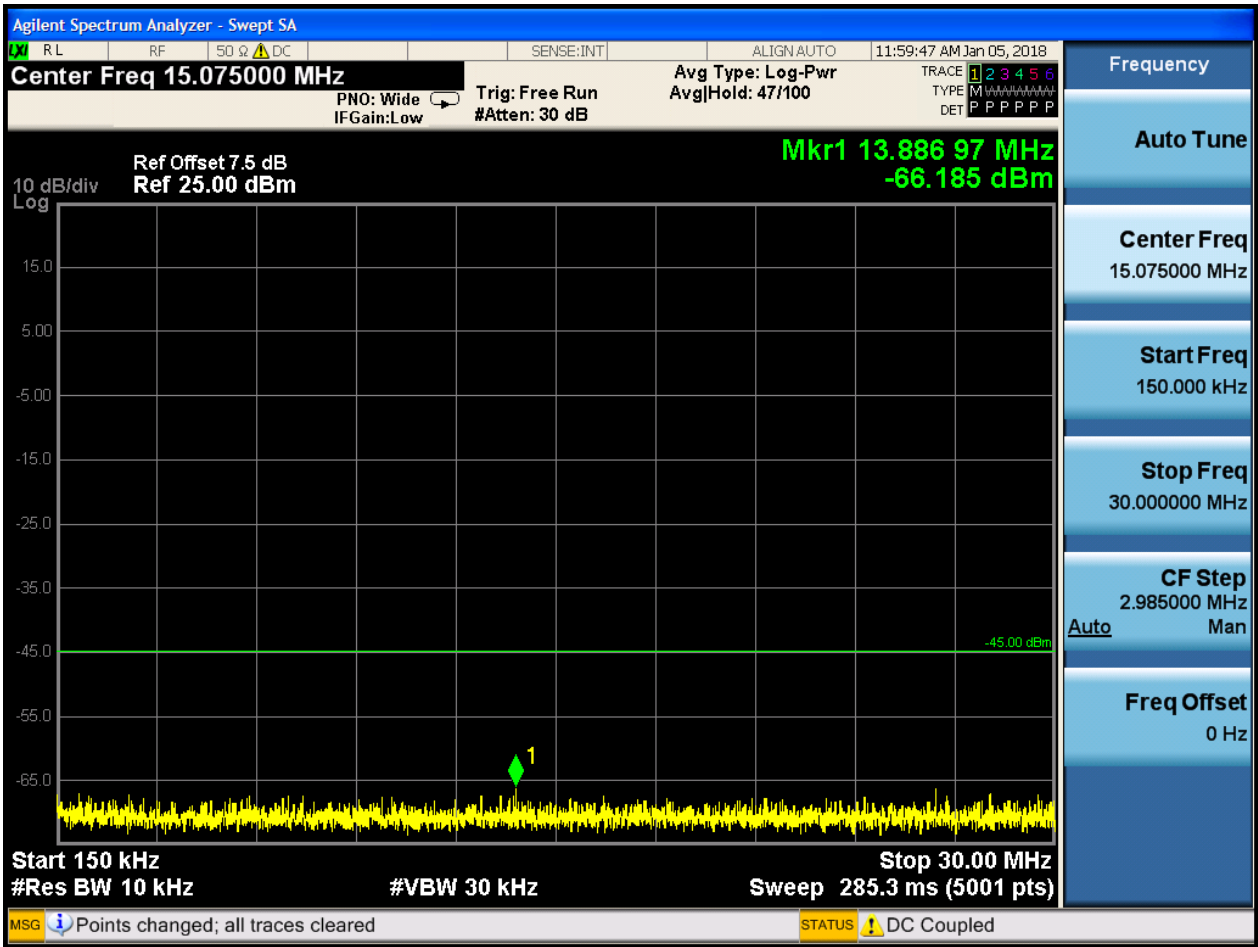


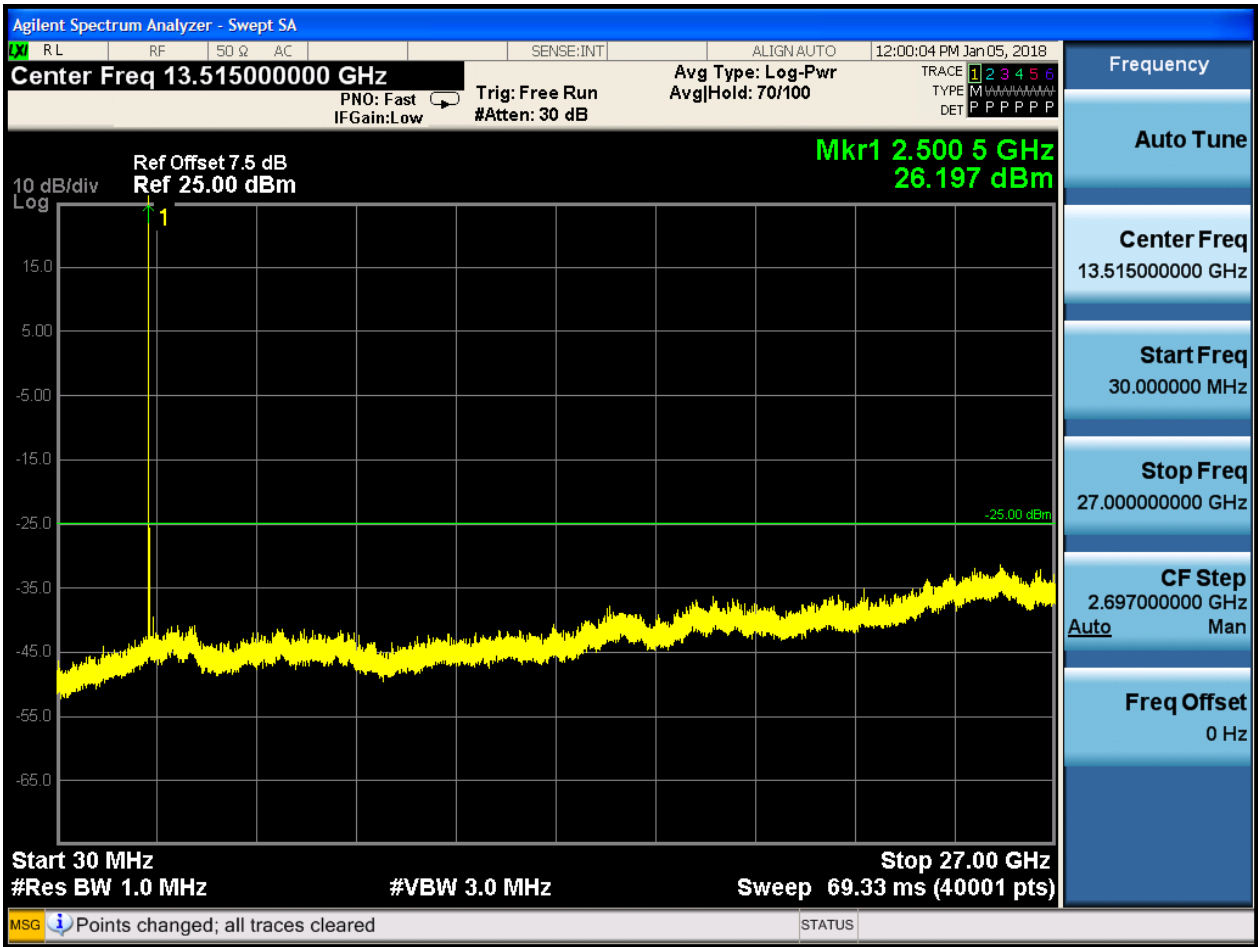
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



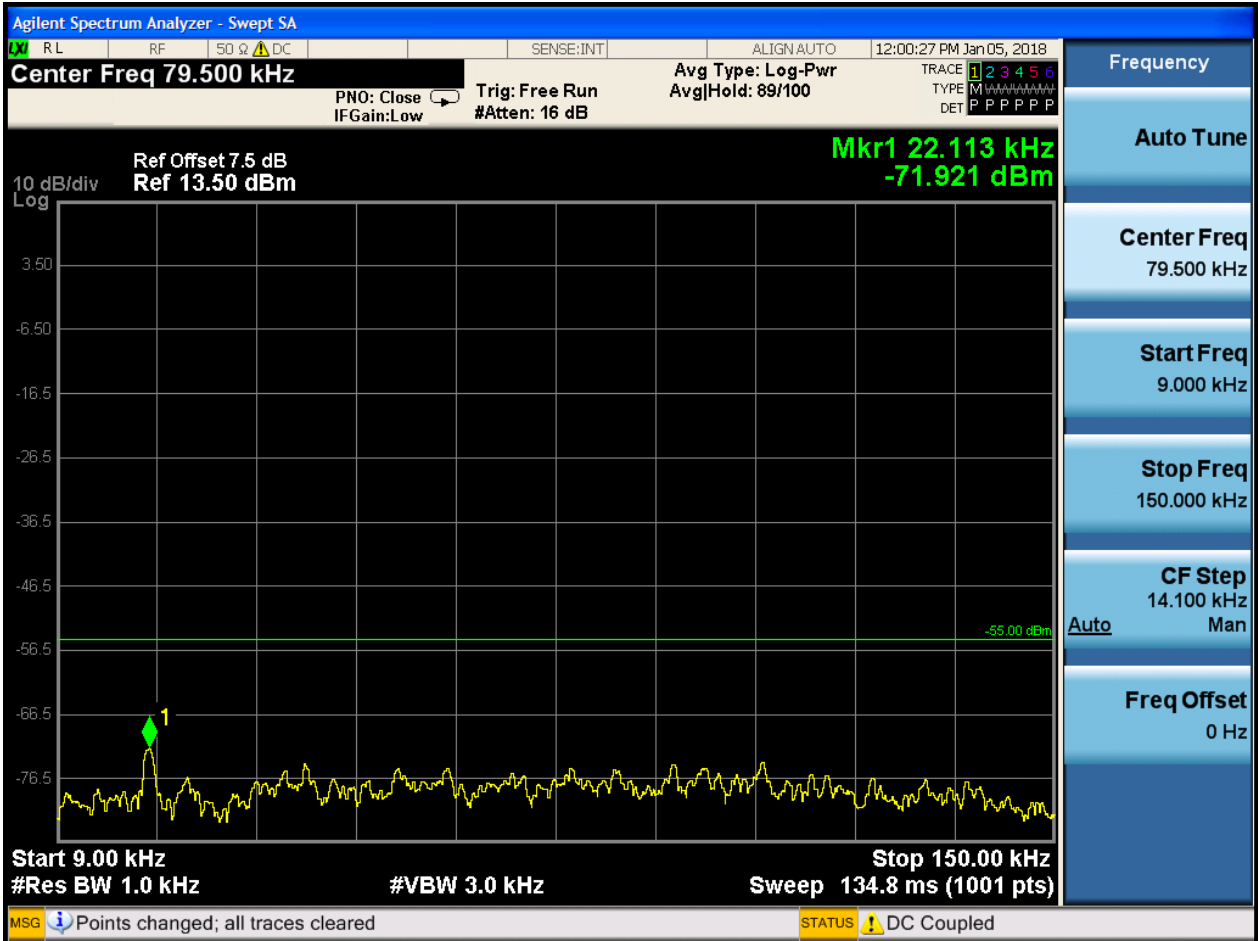


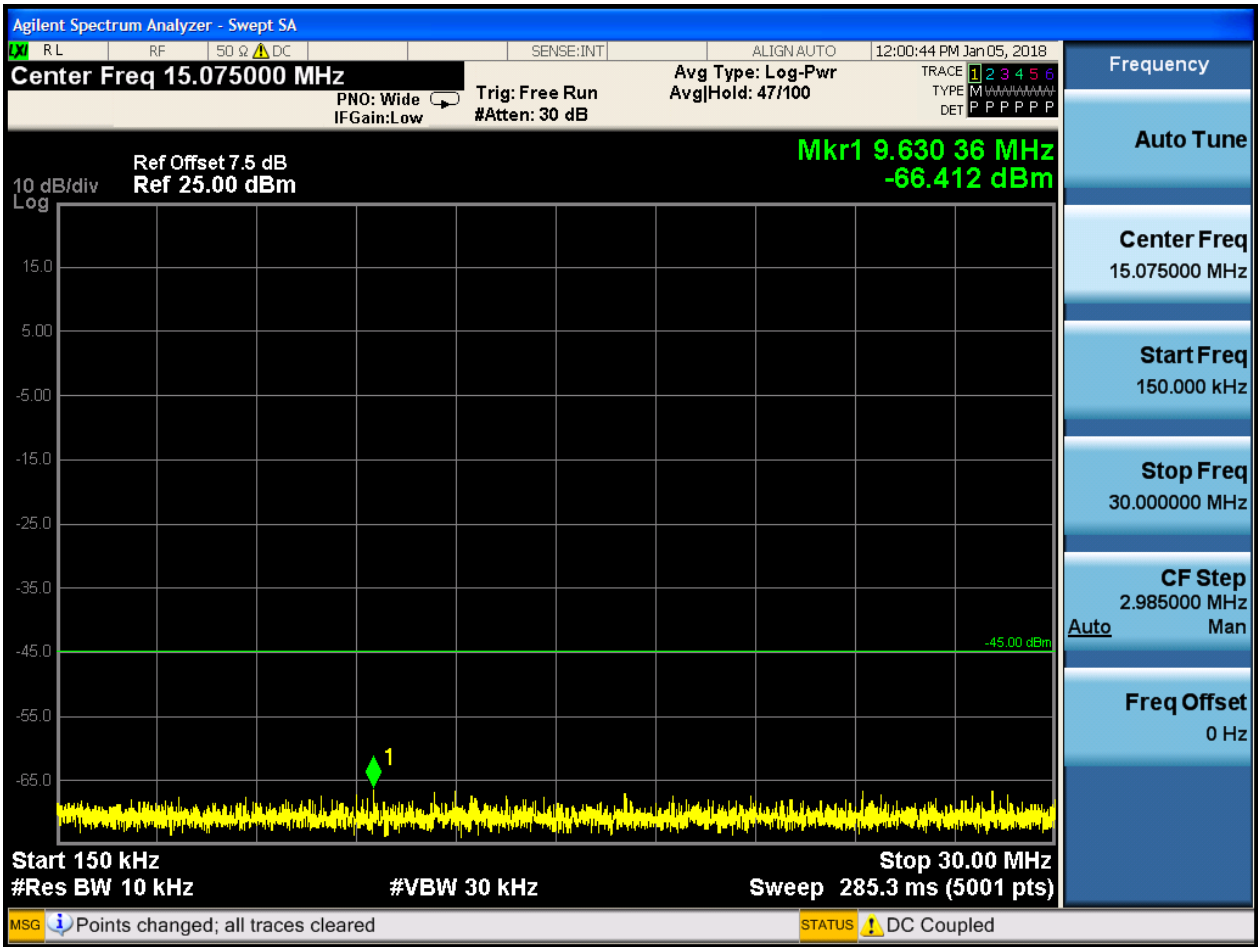


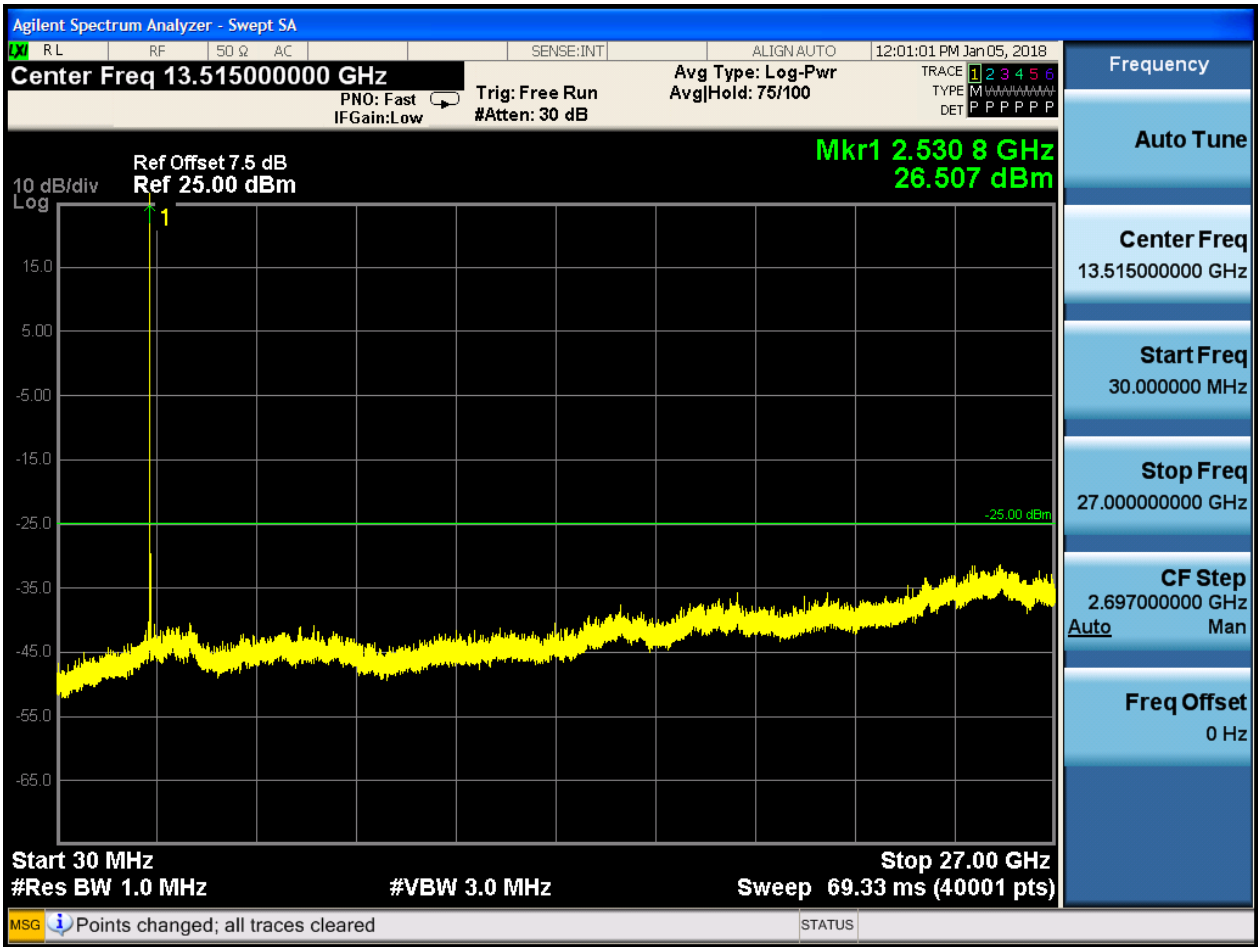


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



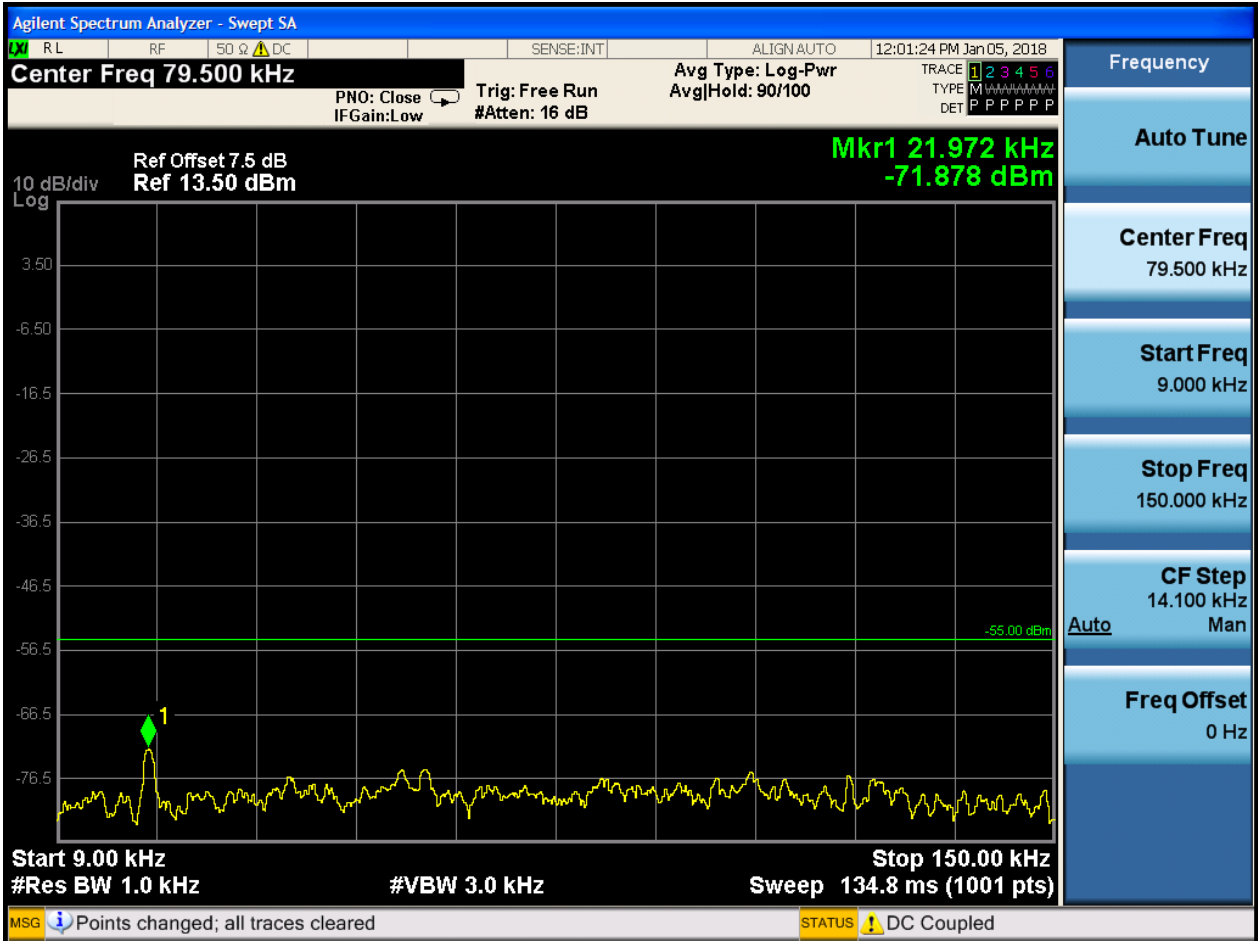


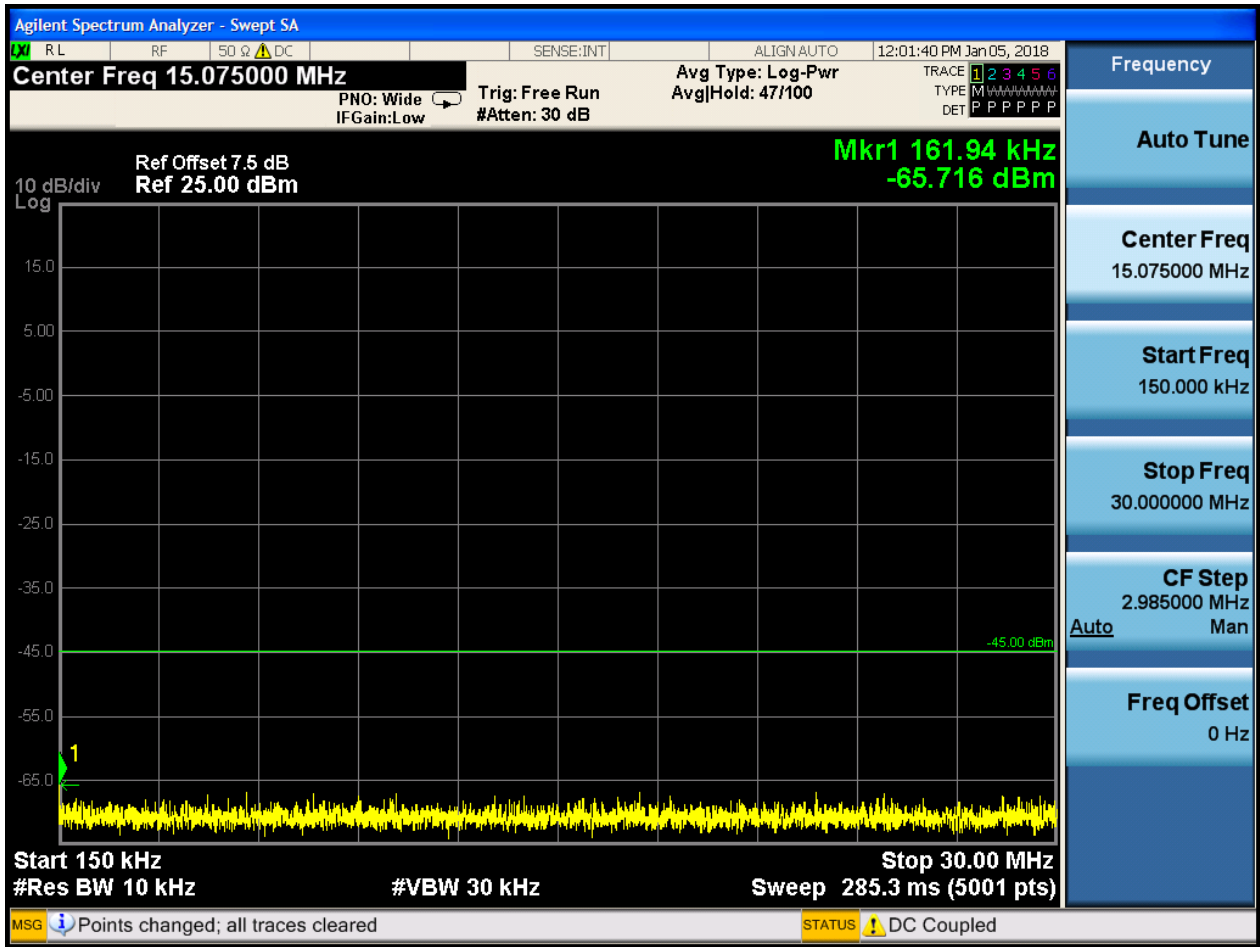




6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





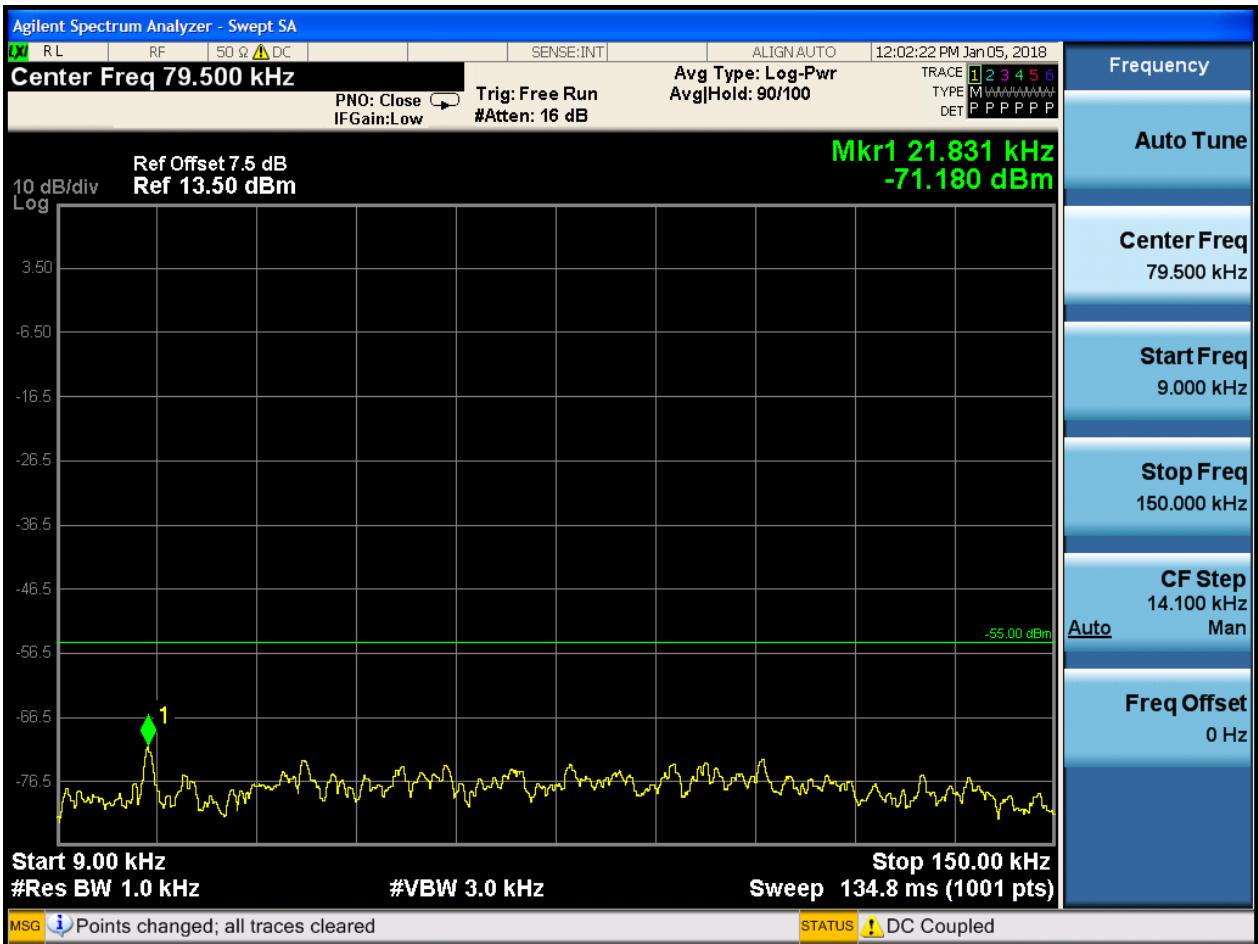


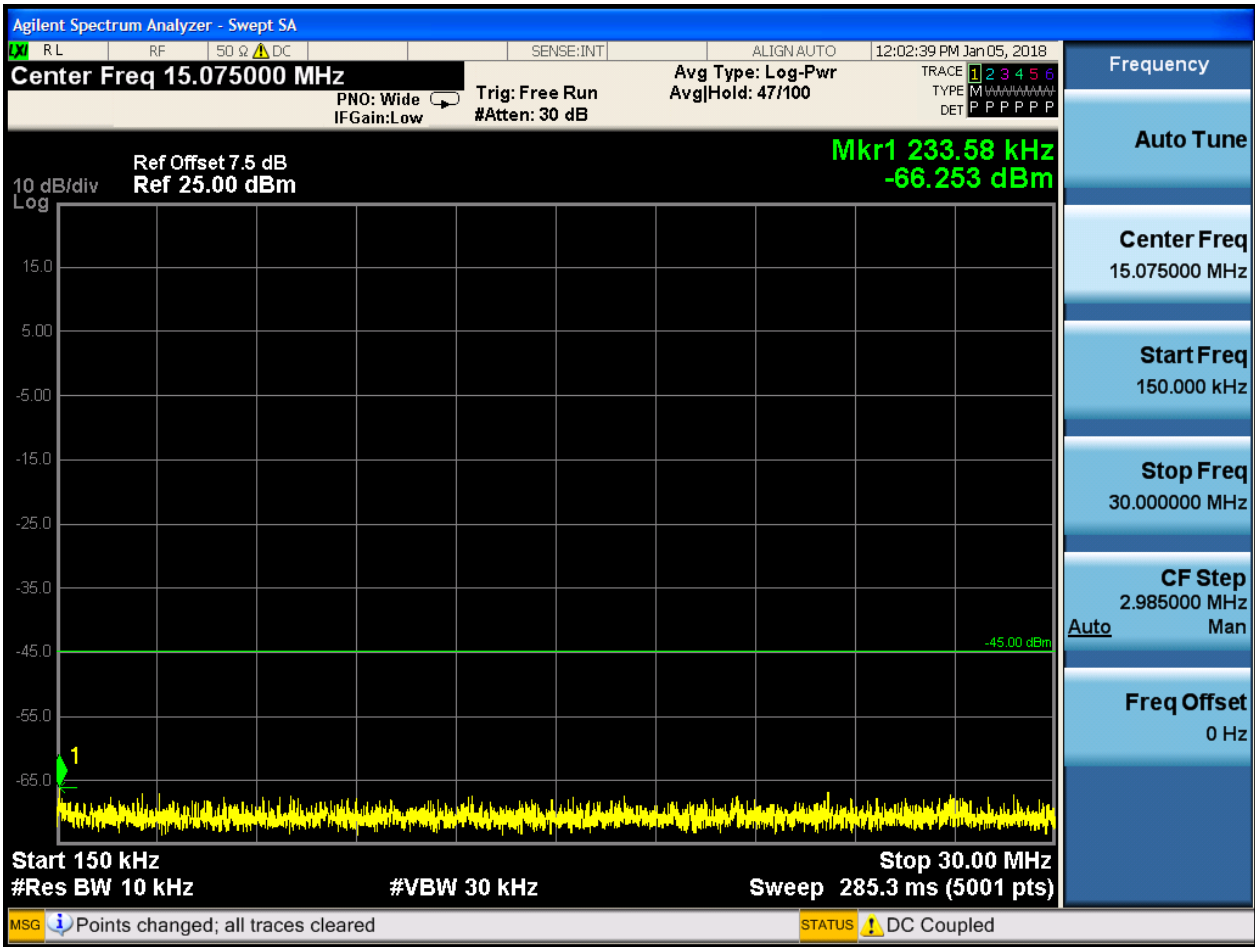


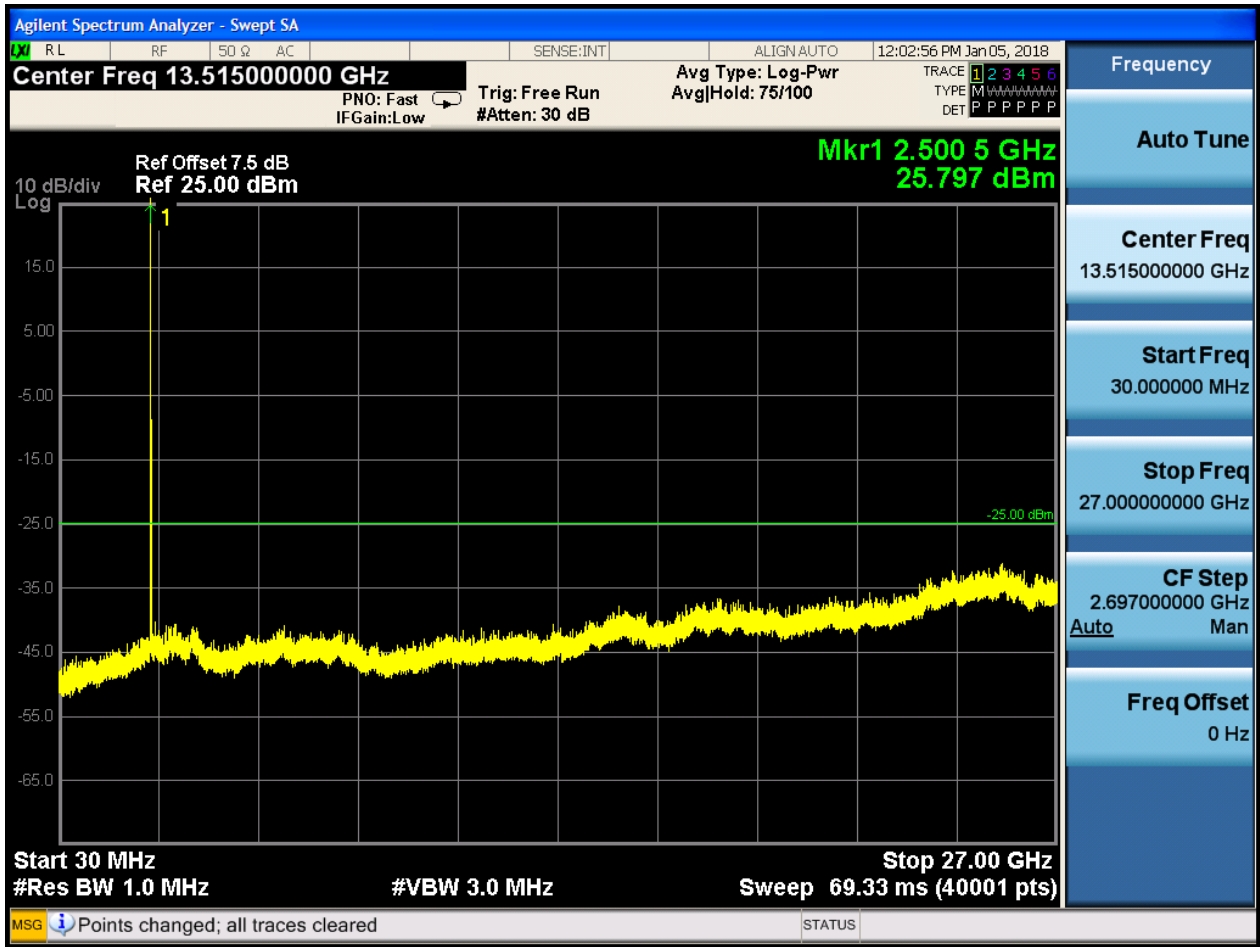
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



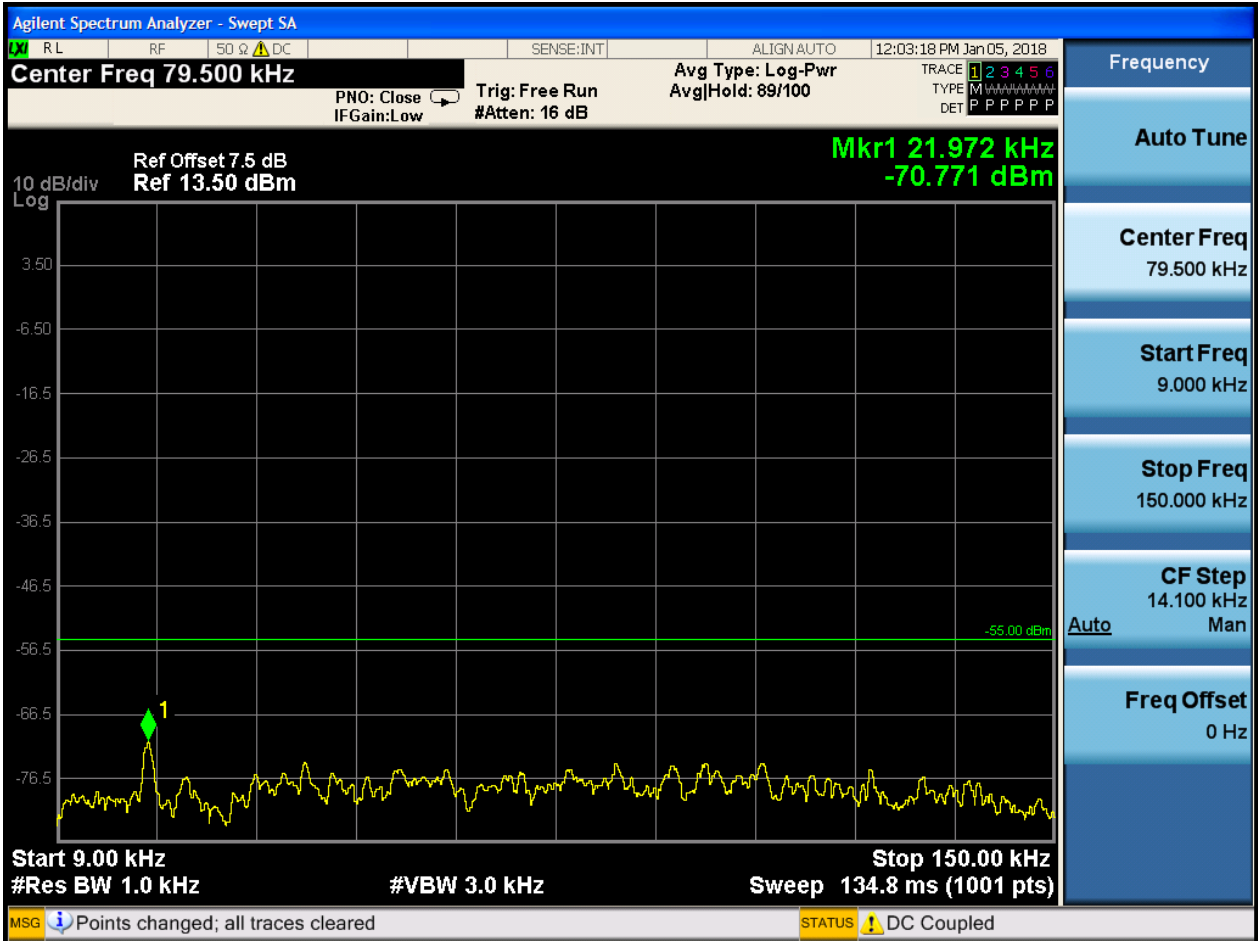


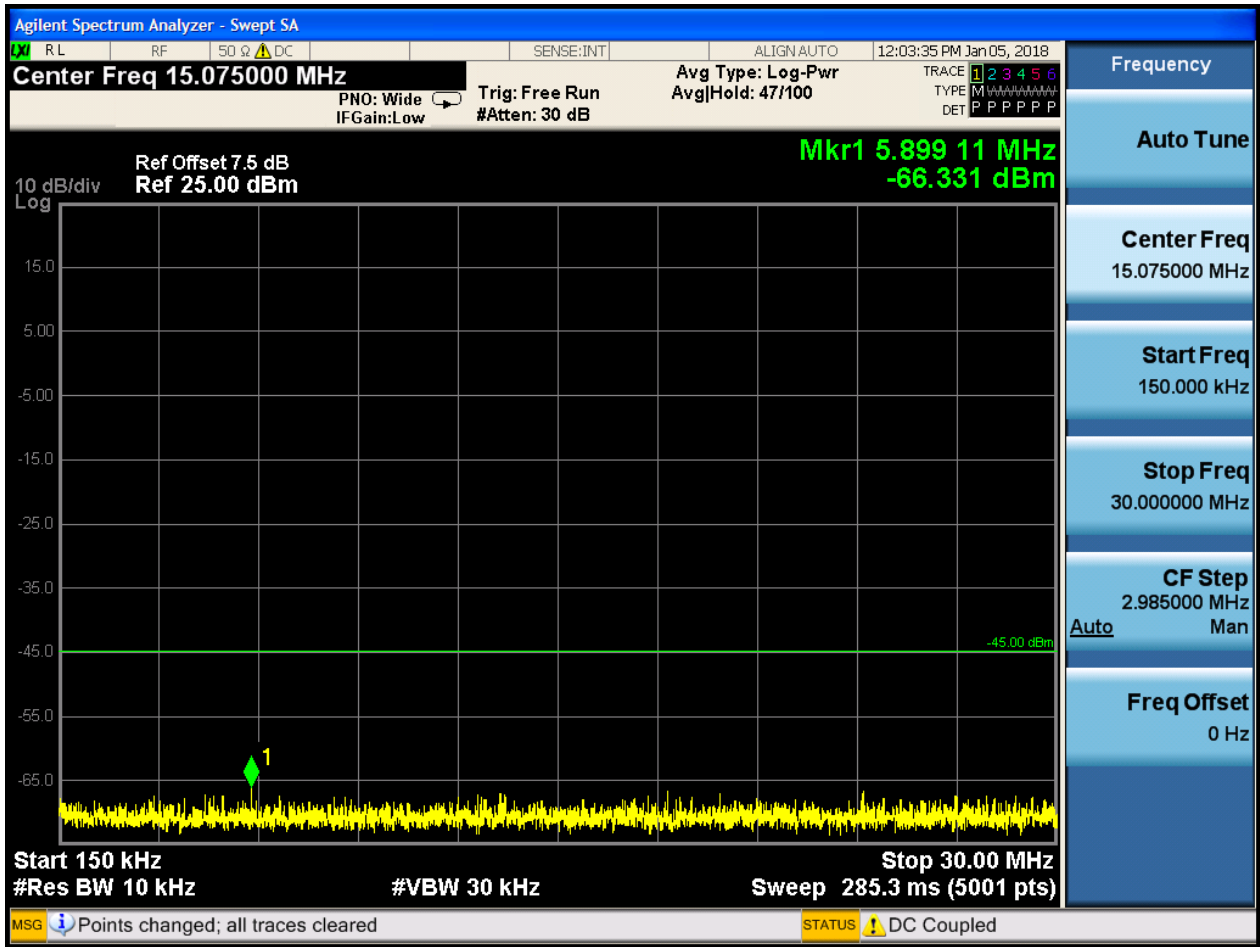




6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



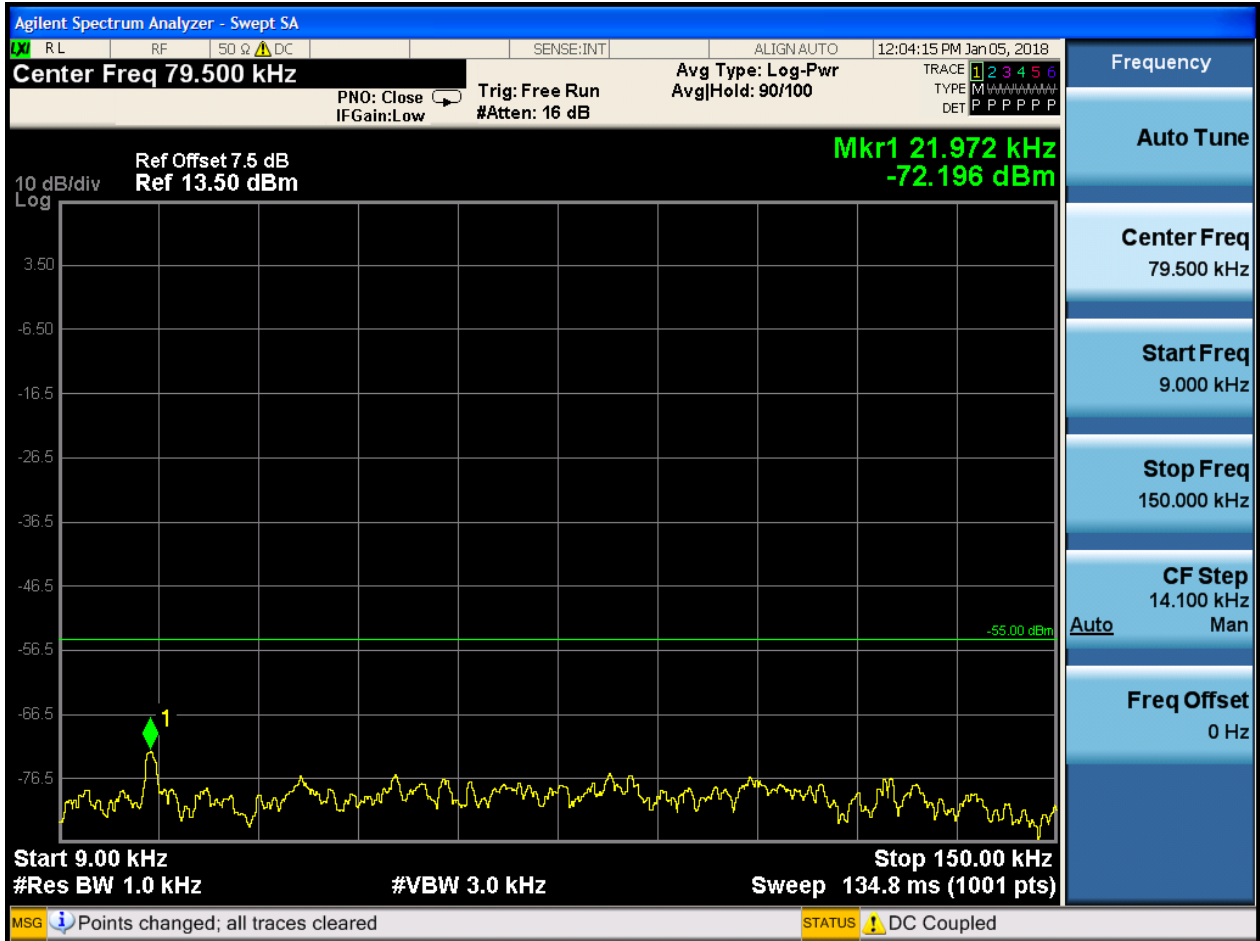






6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0

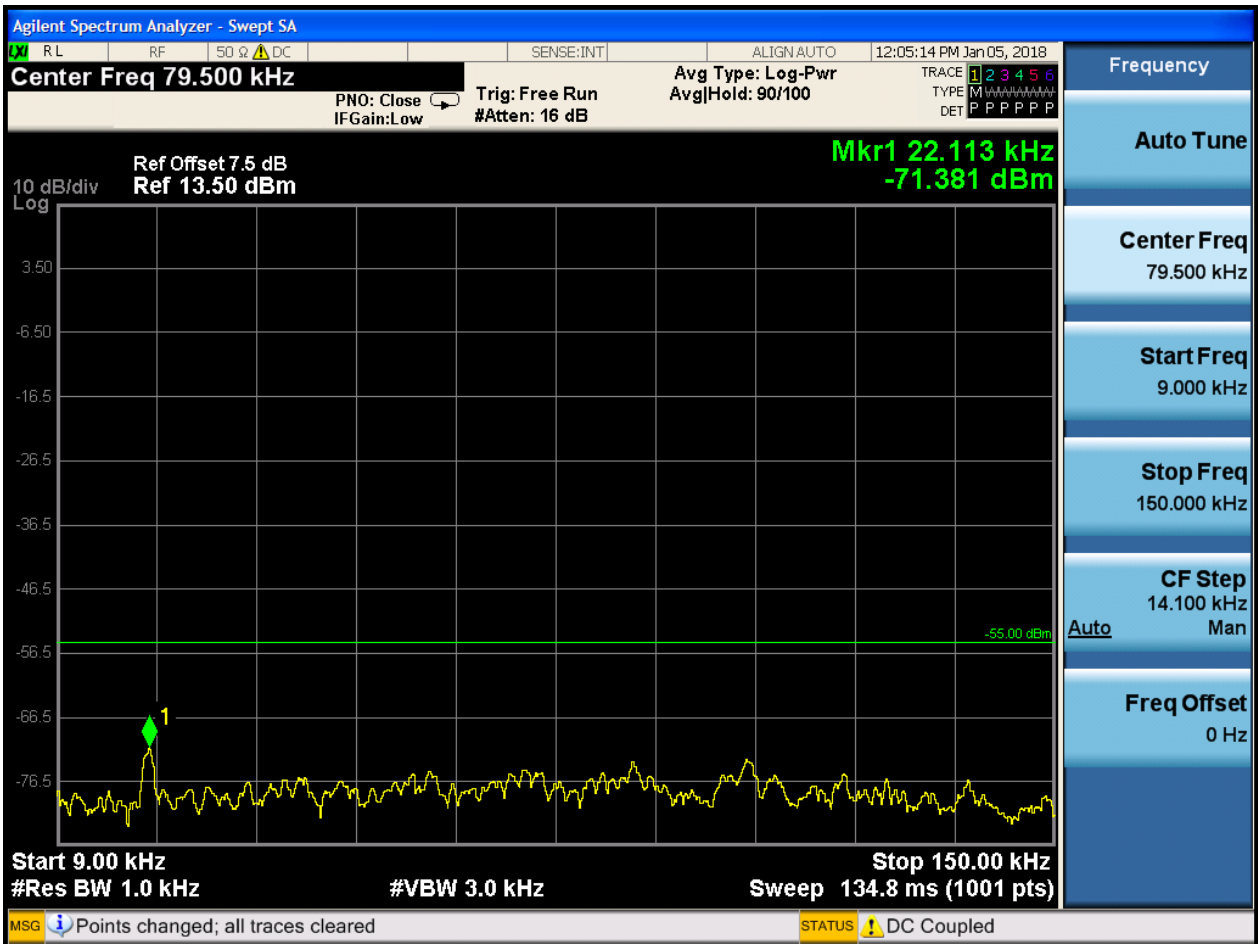


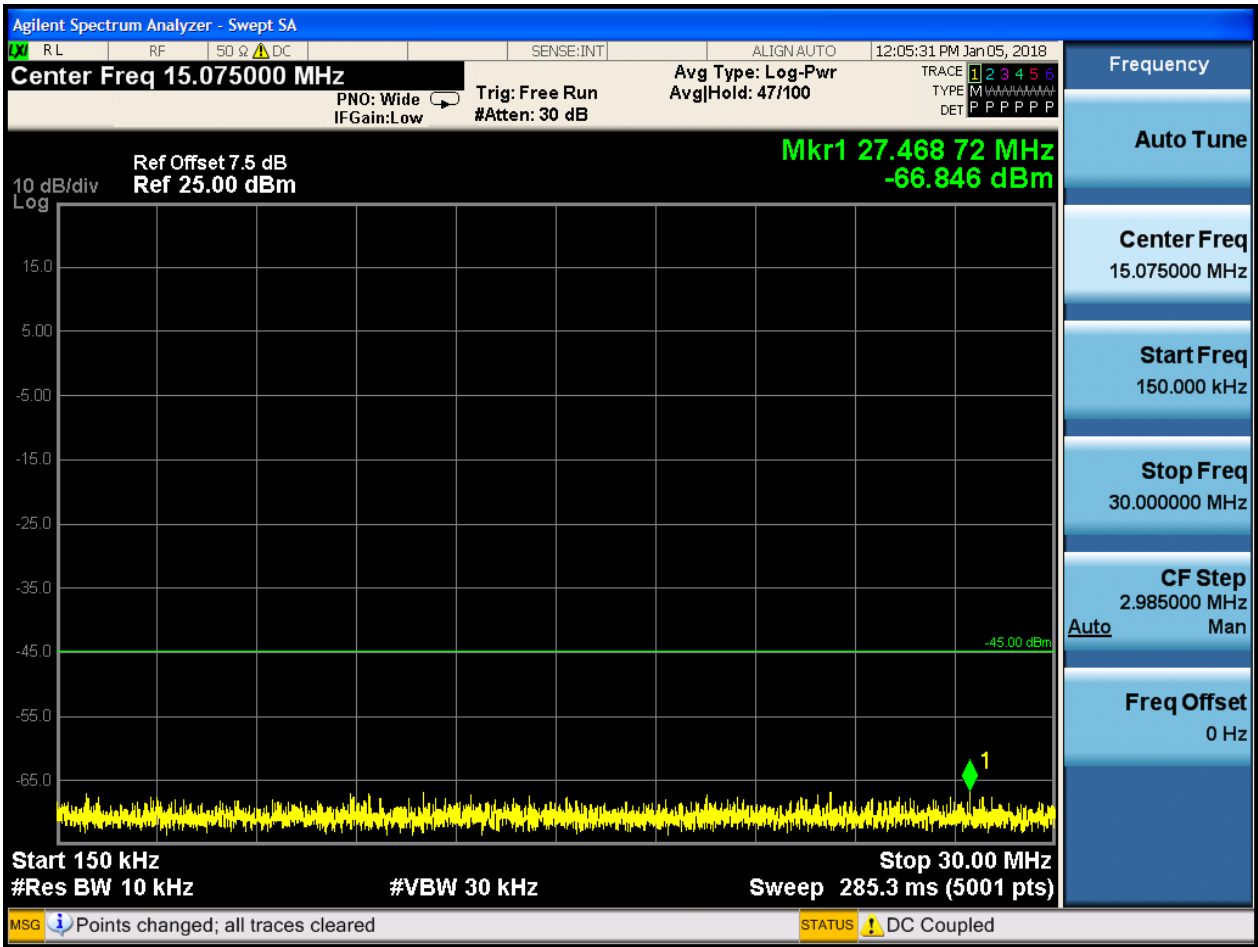


6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



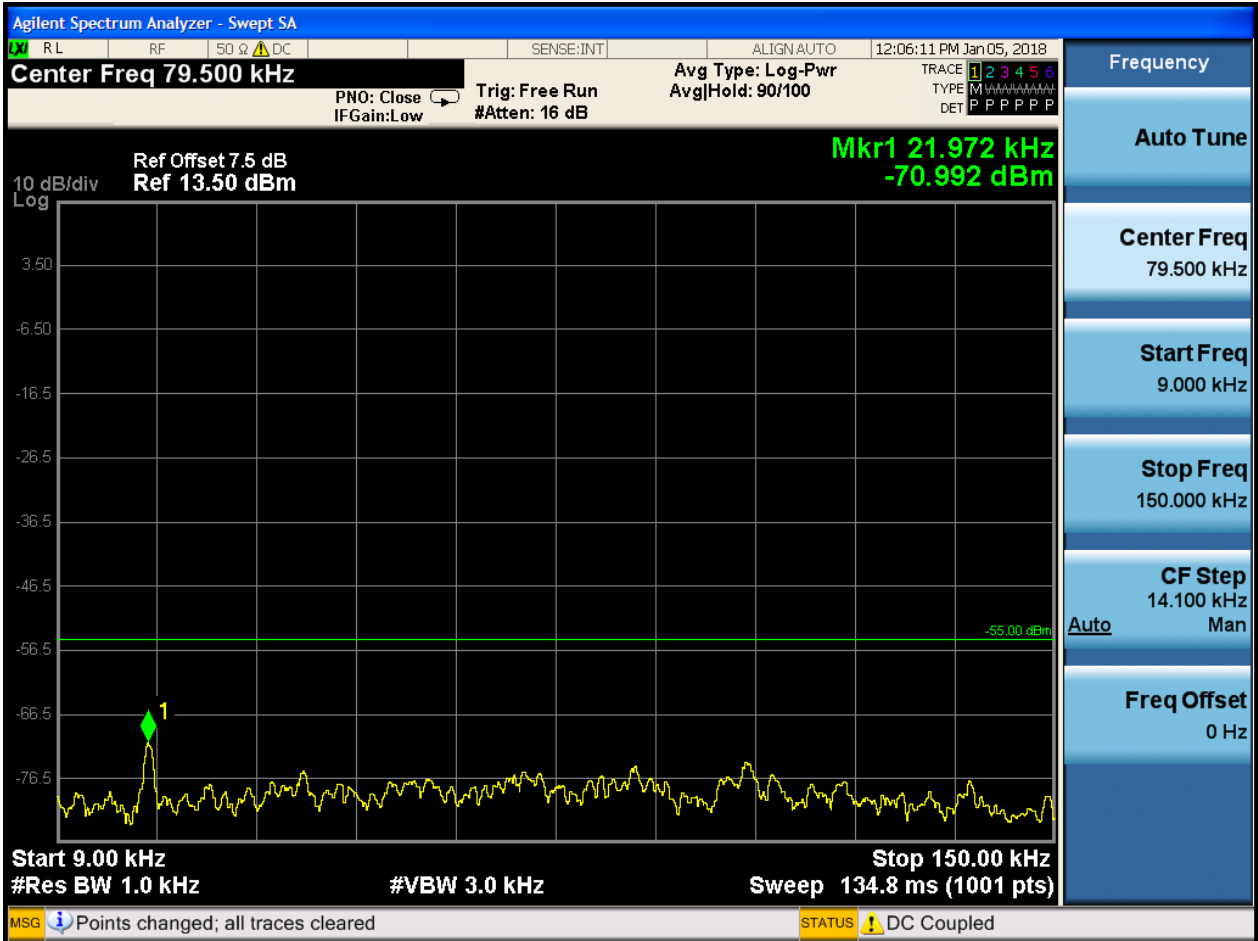






6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

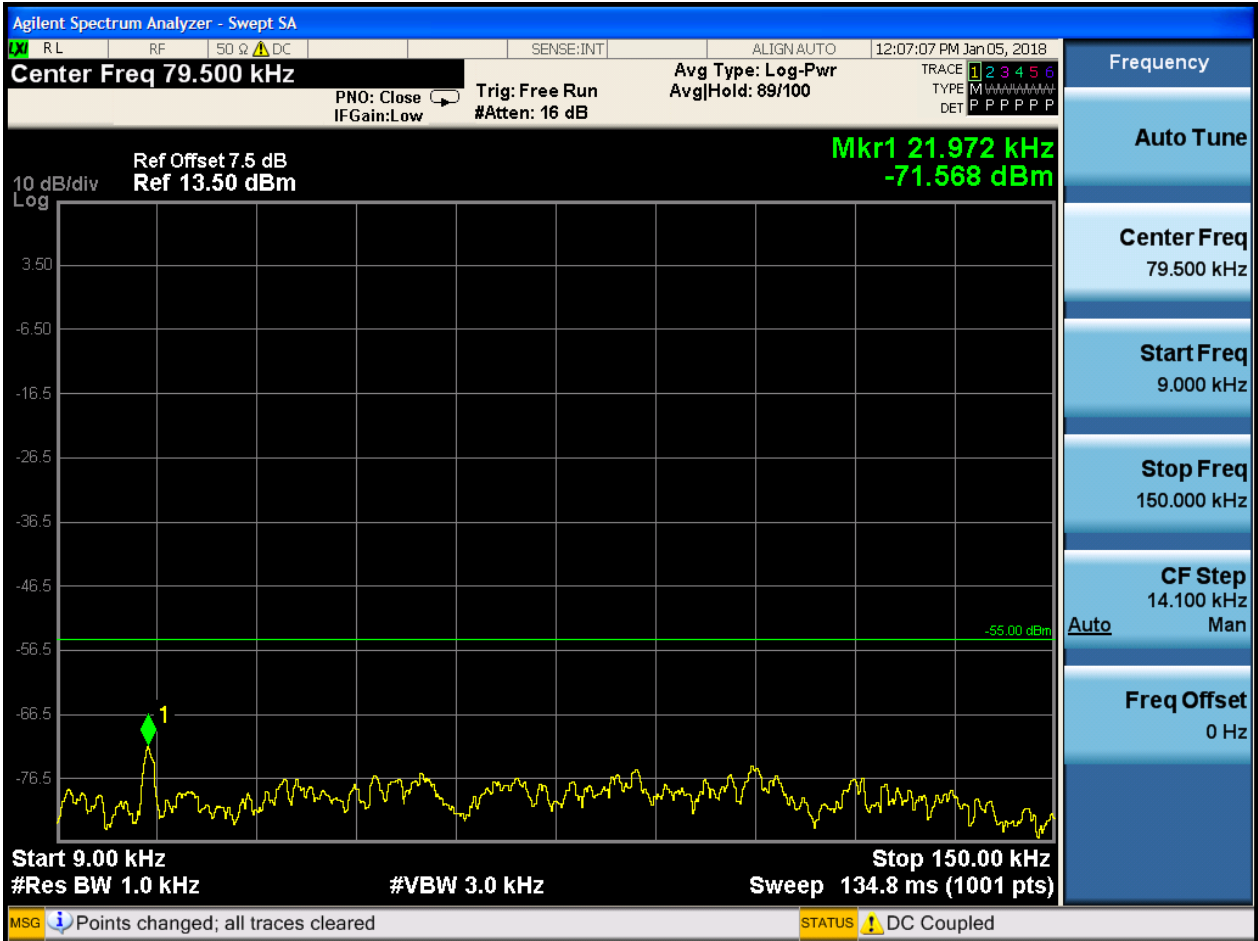


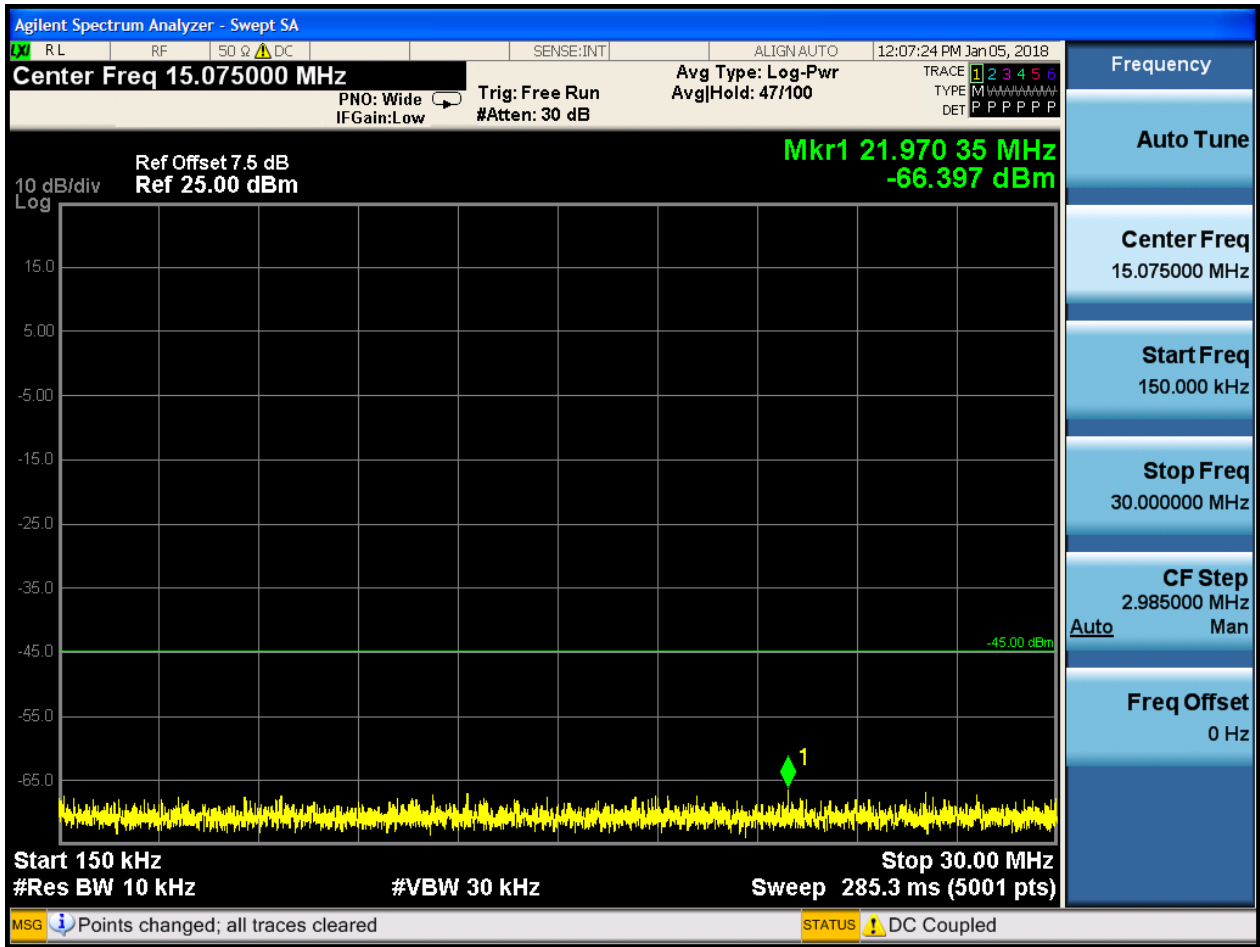


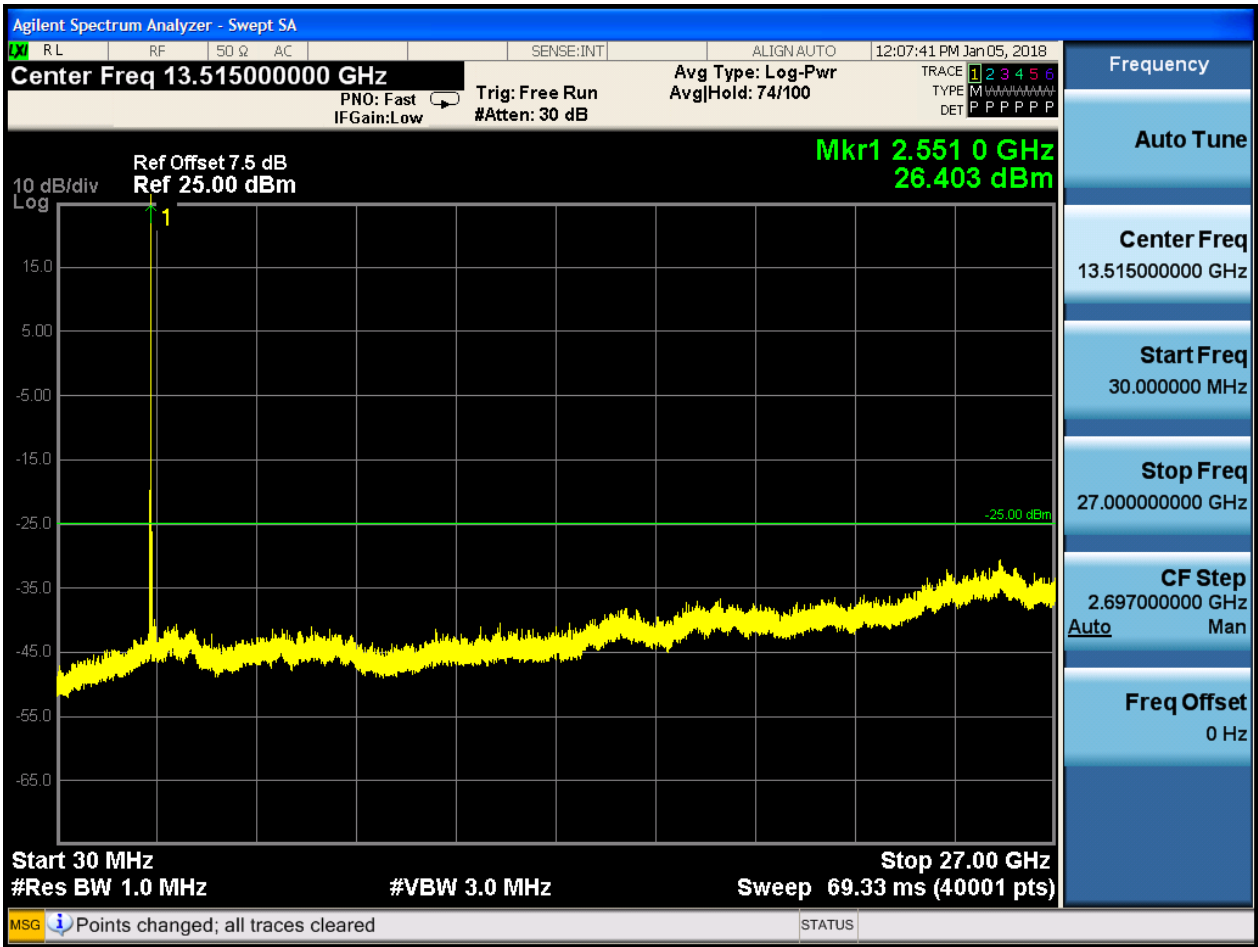


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







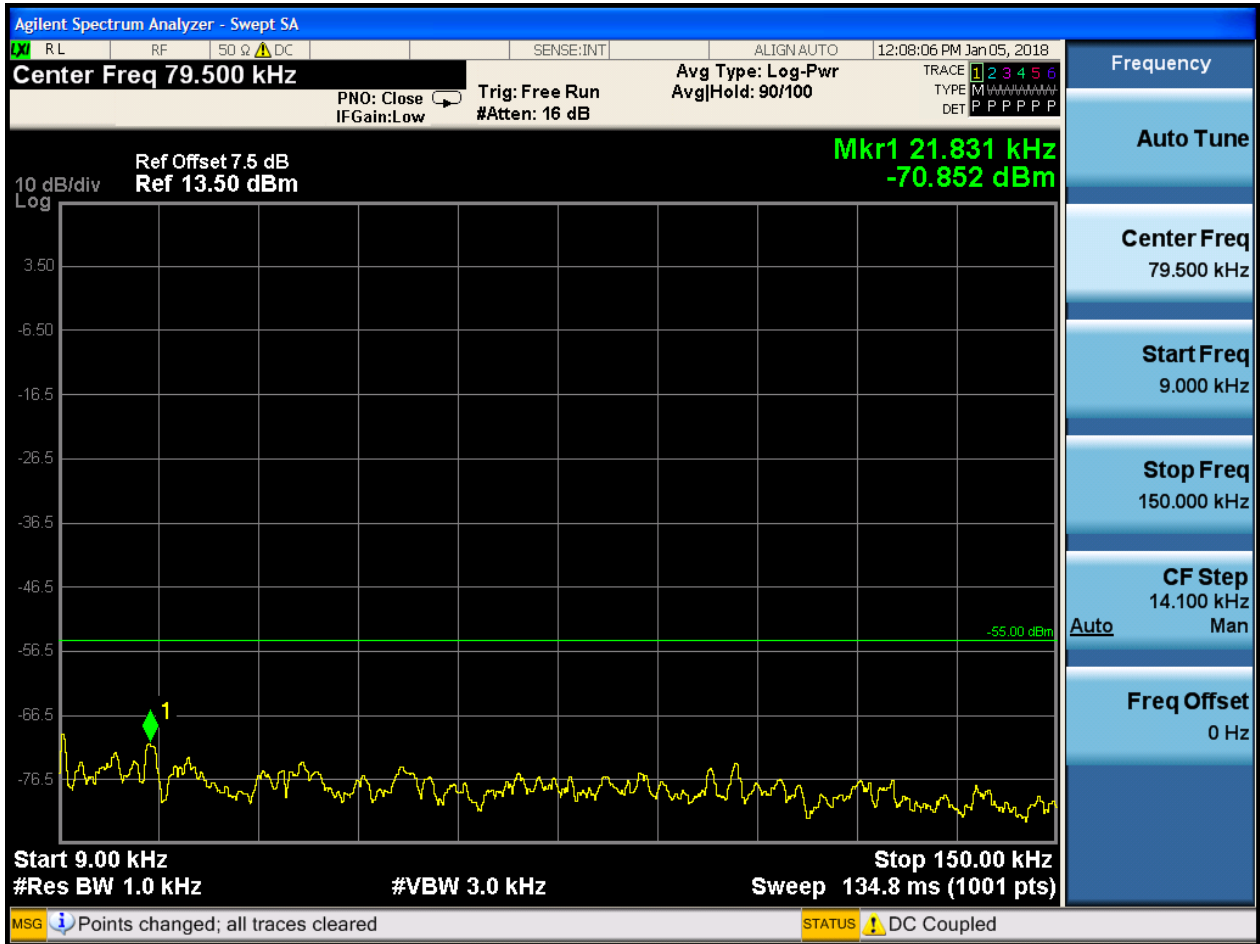


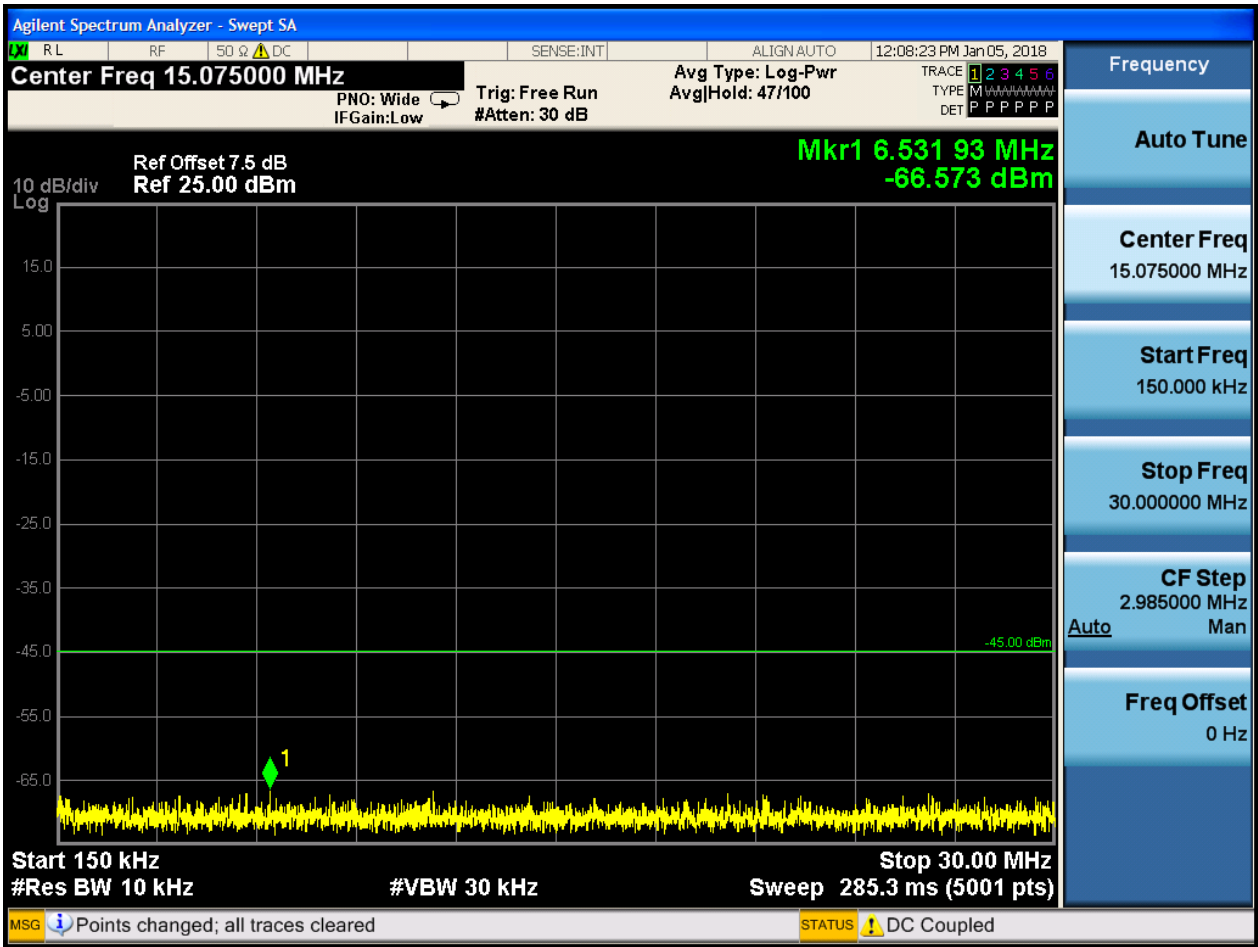
6.1.1.2 Test Mode = LTE/TM2

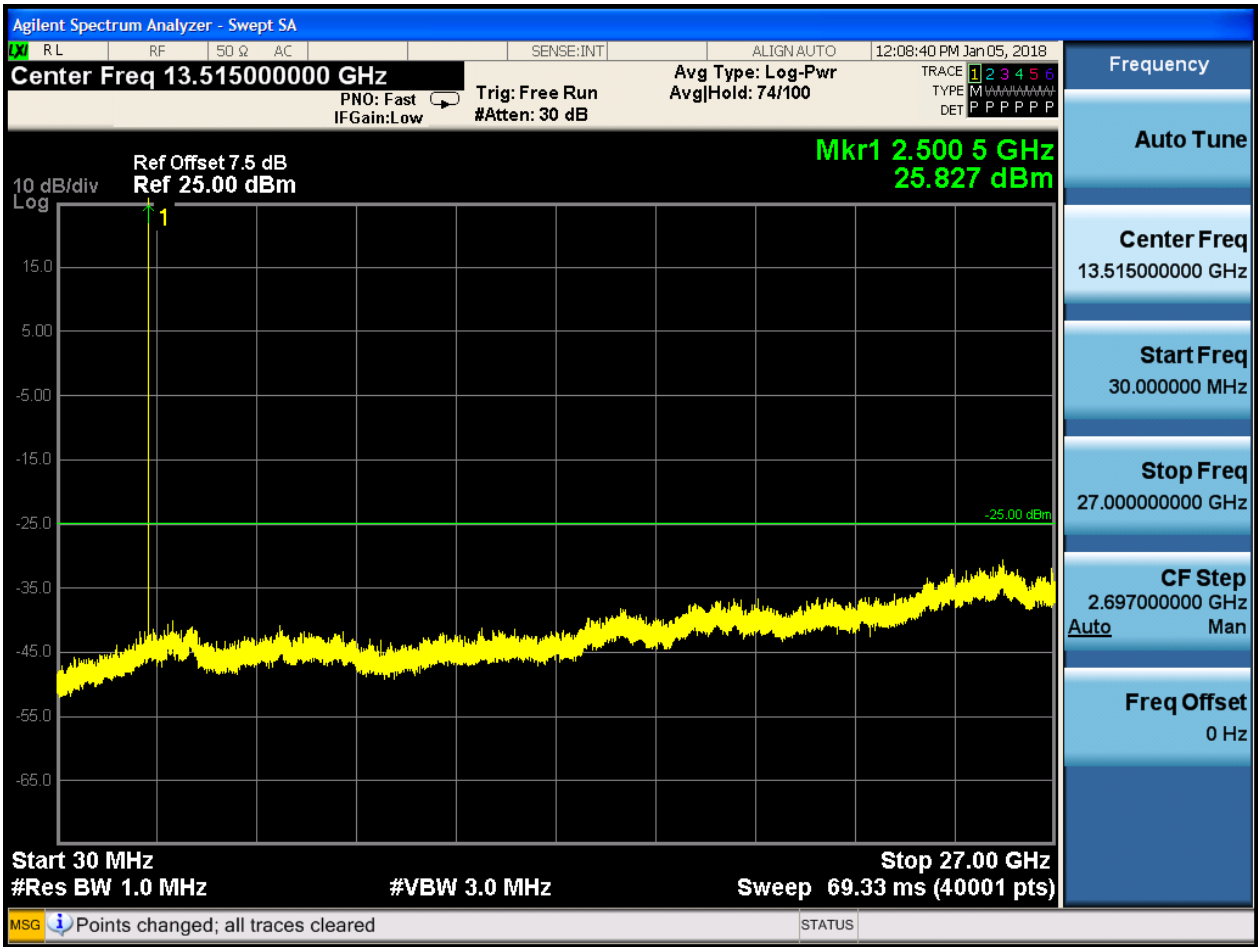
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



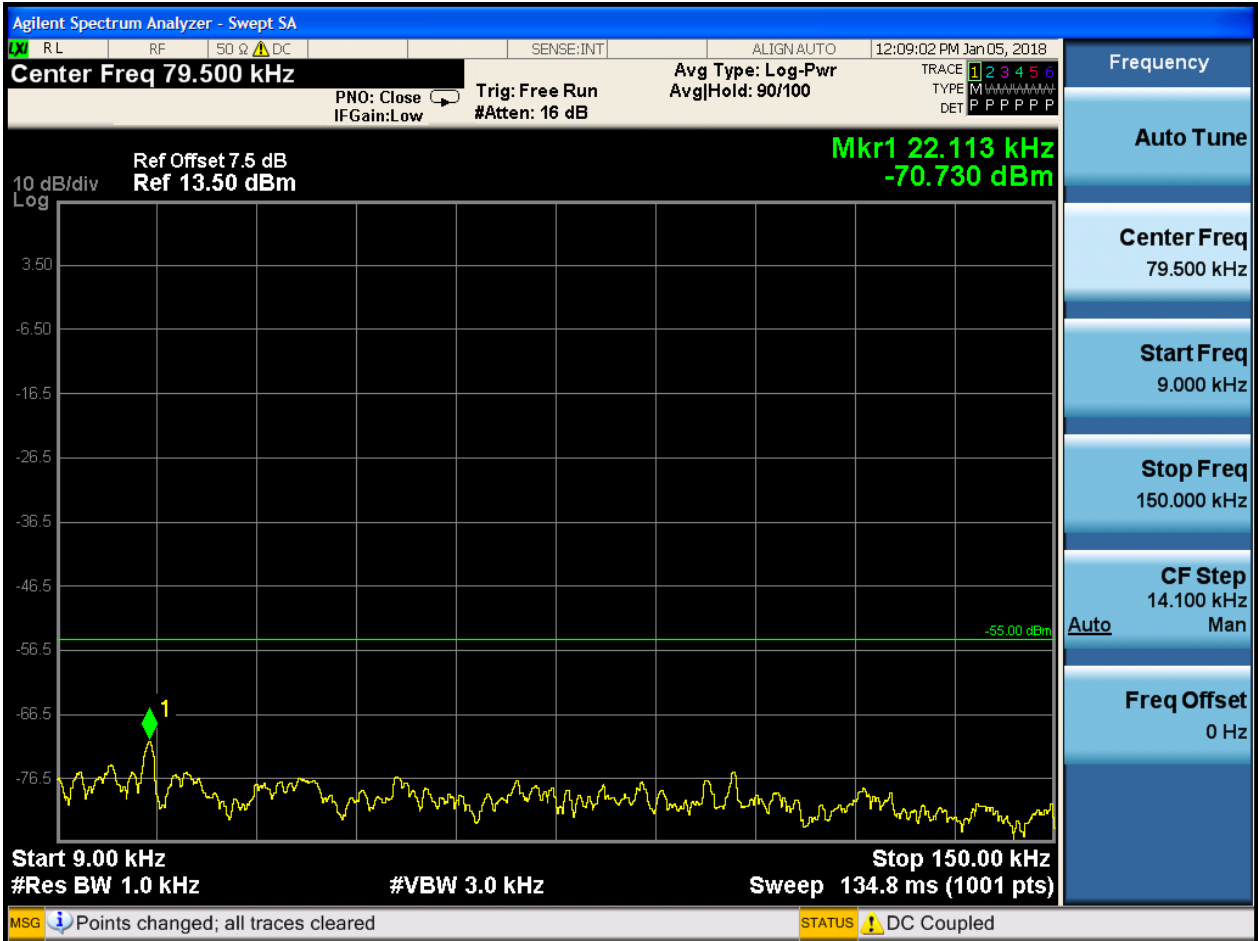


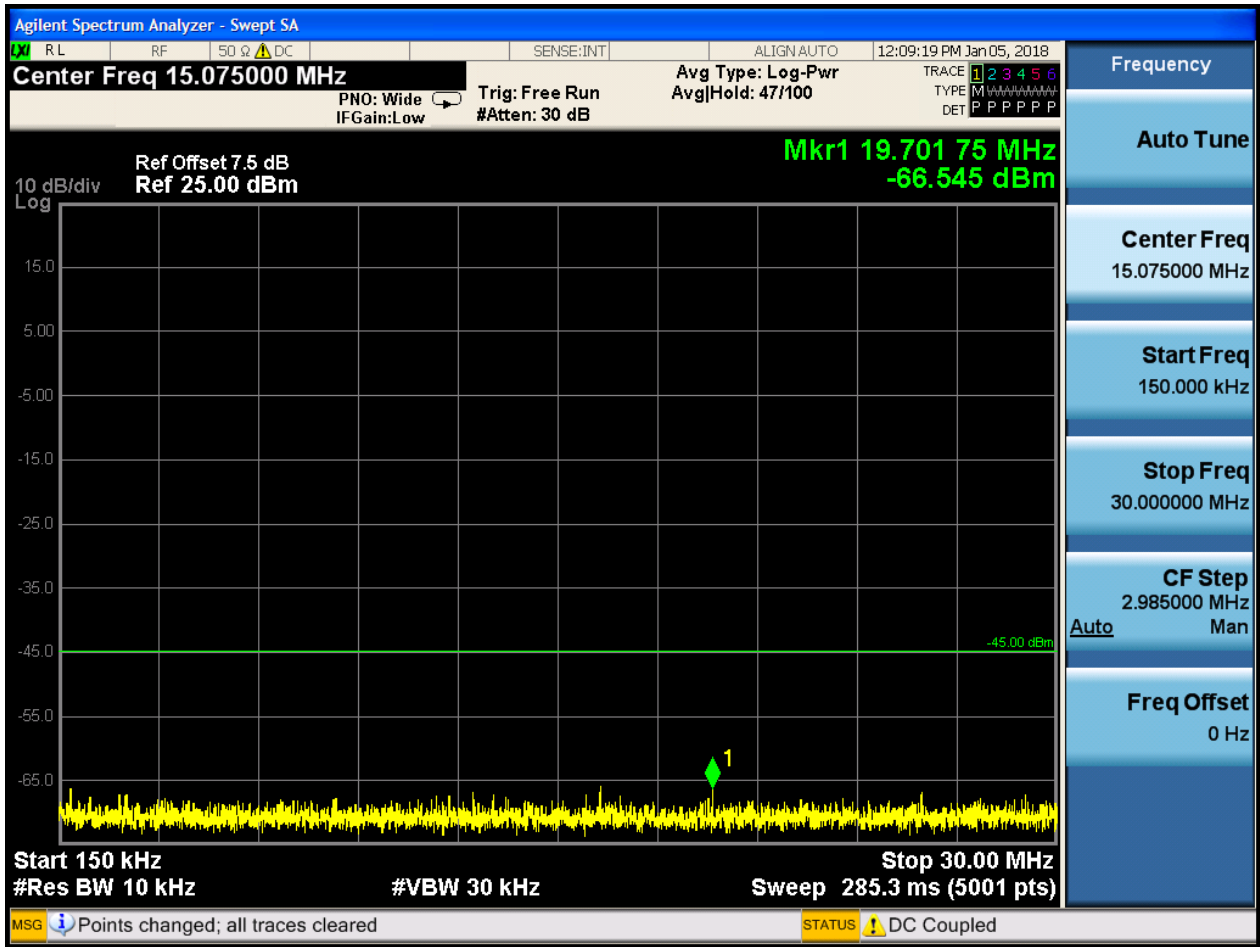


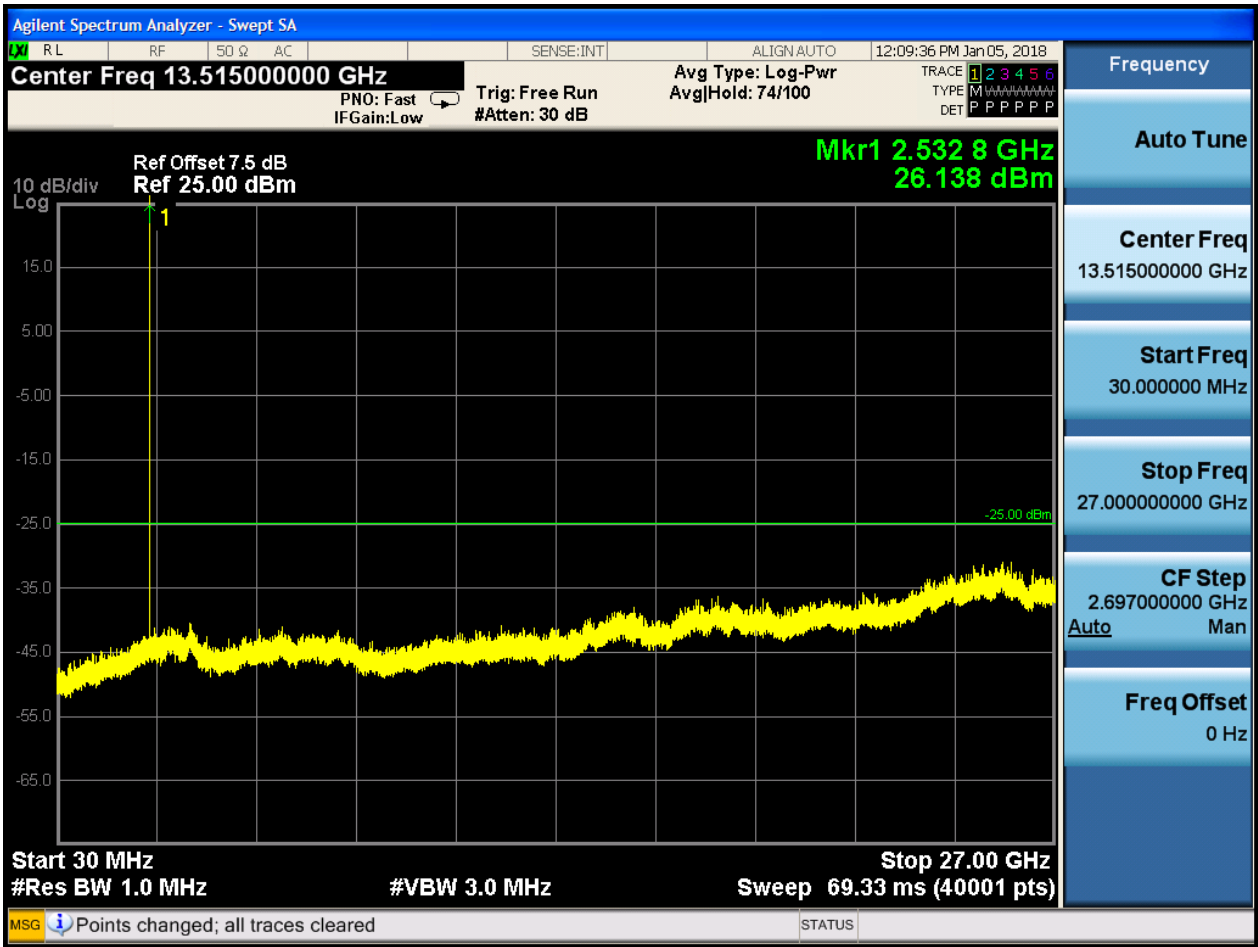


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



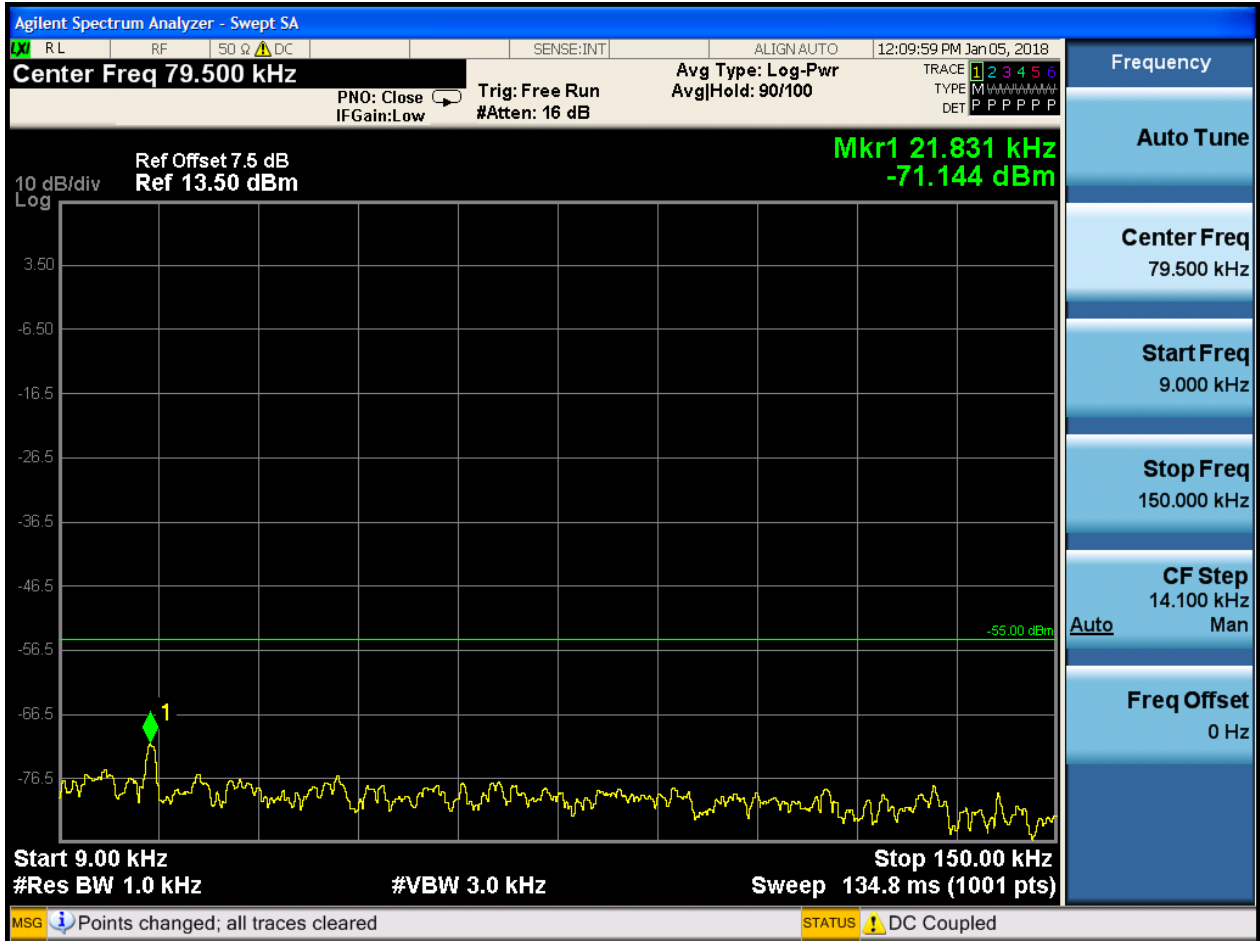


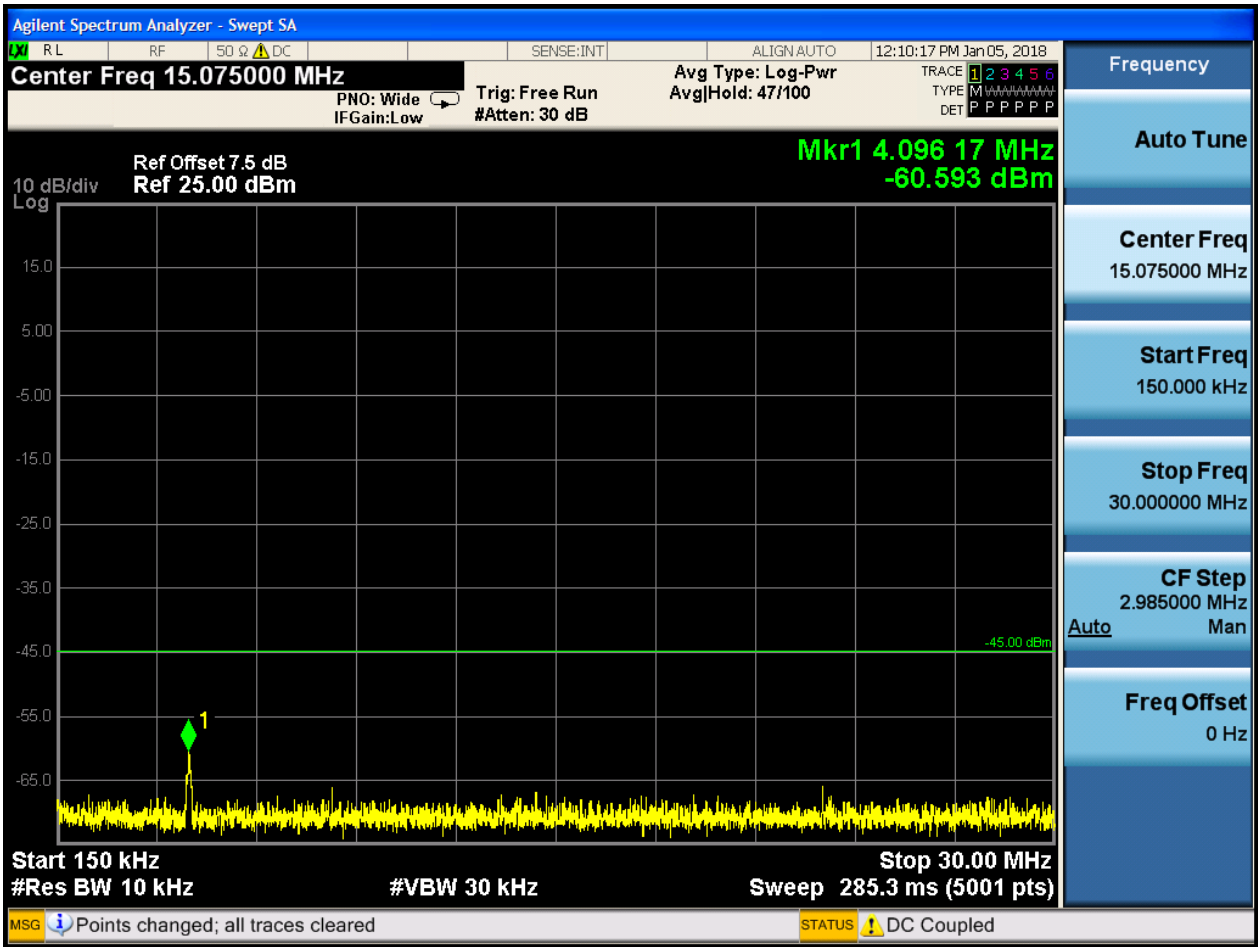


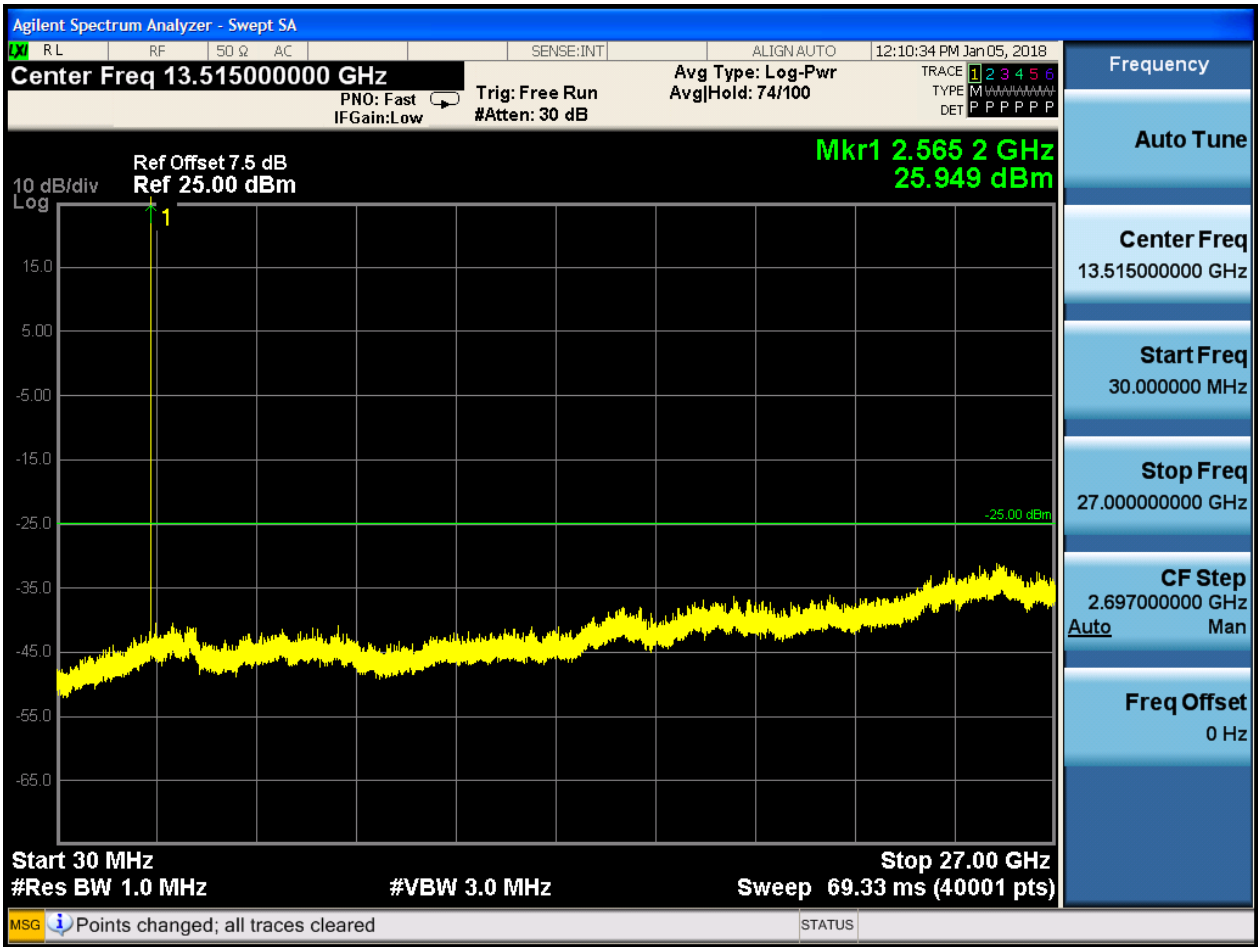


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





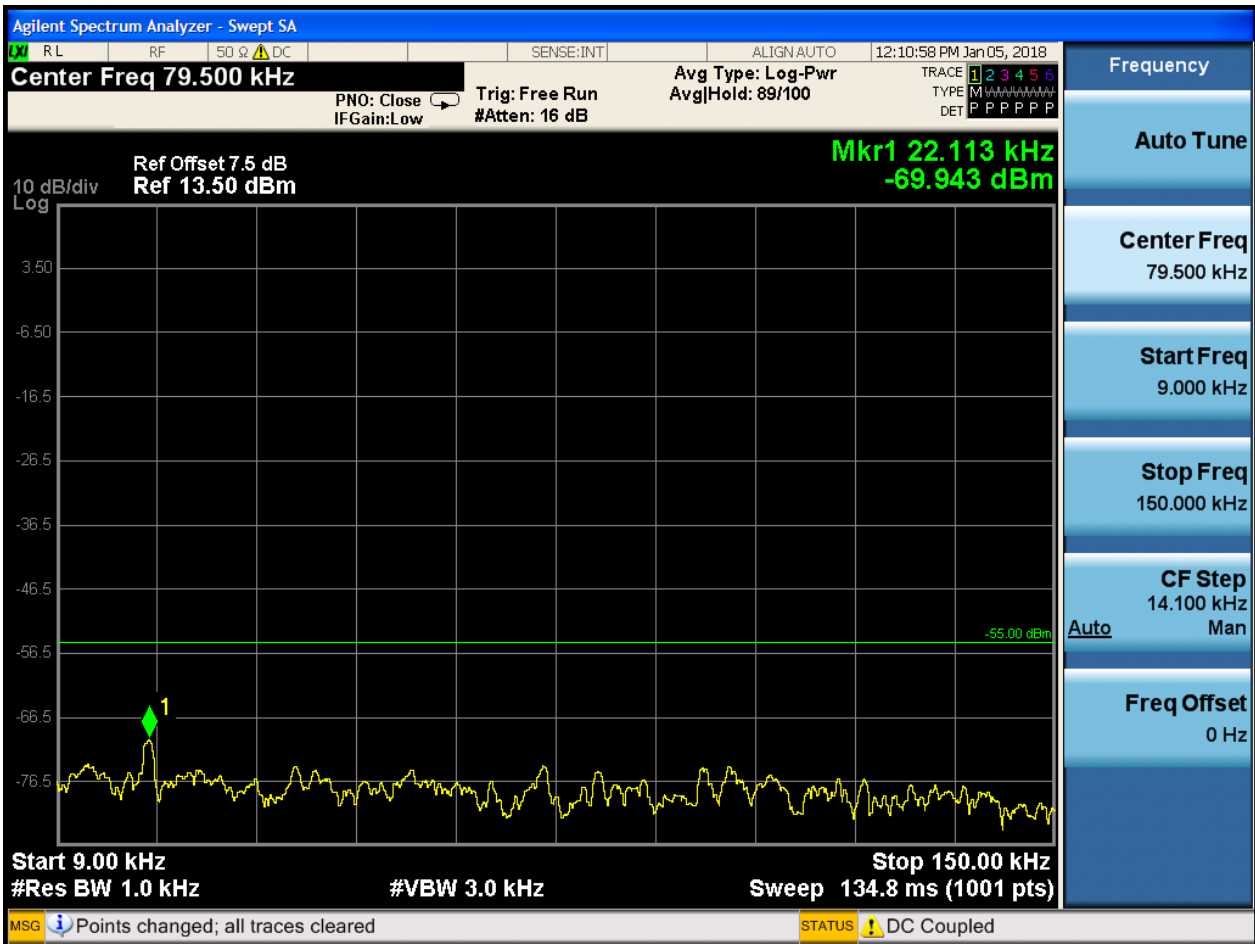


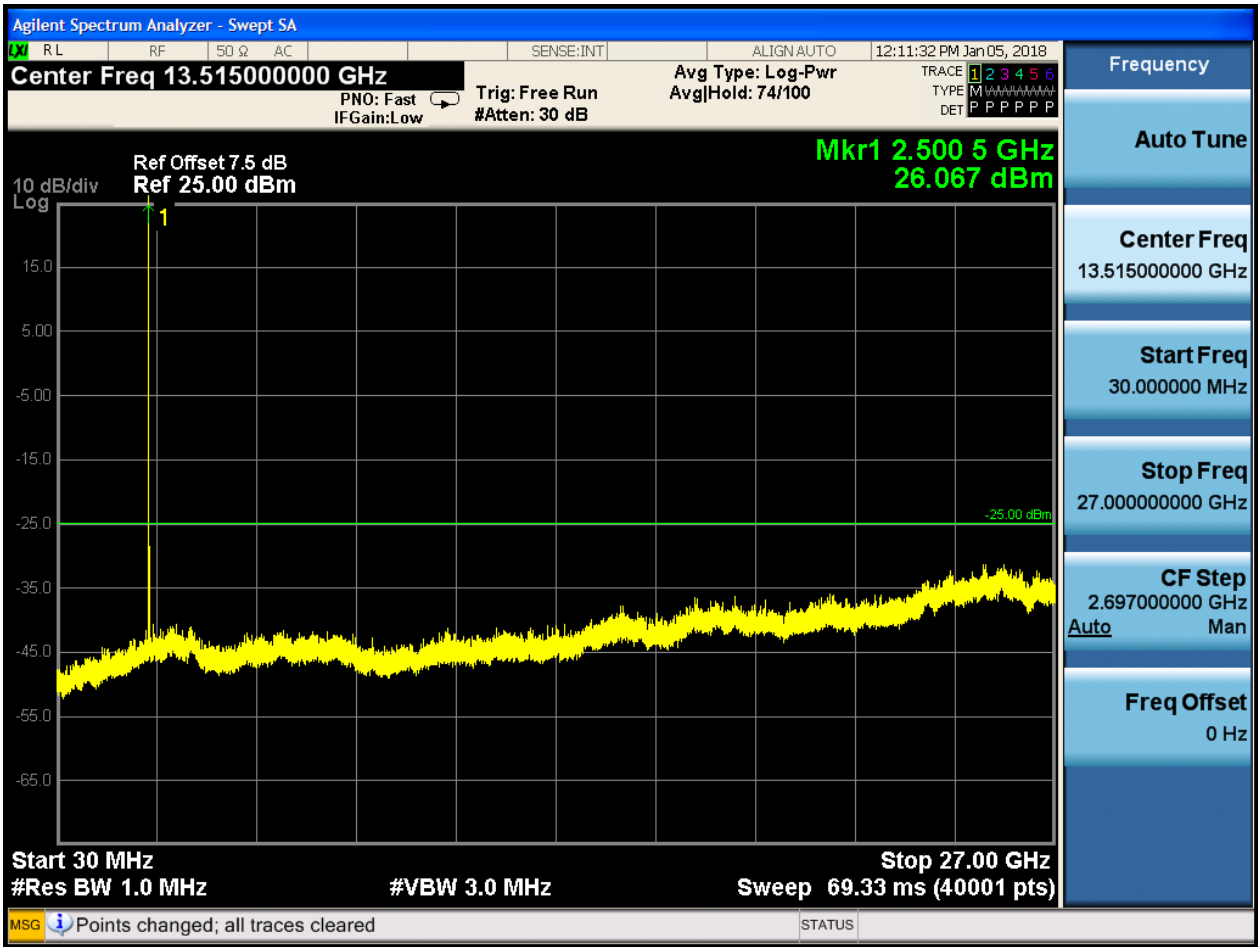


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

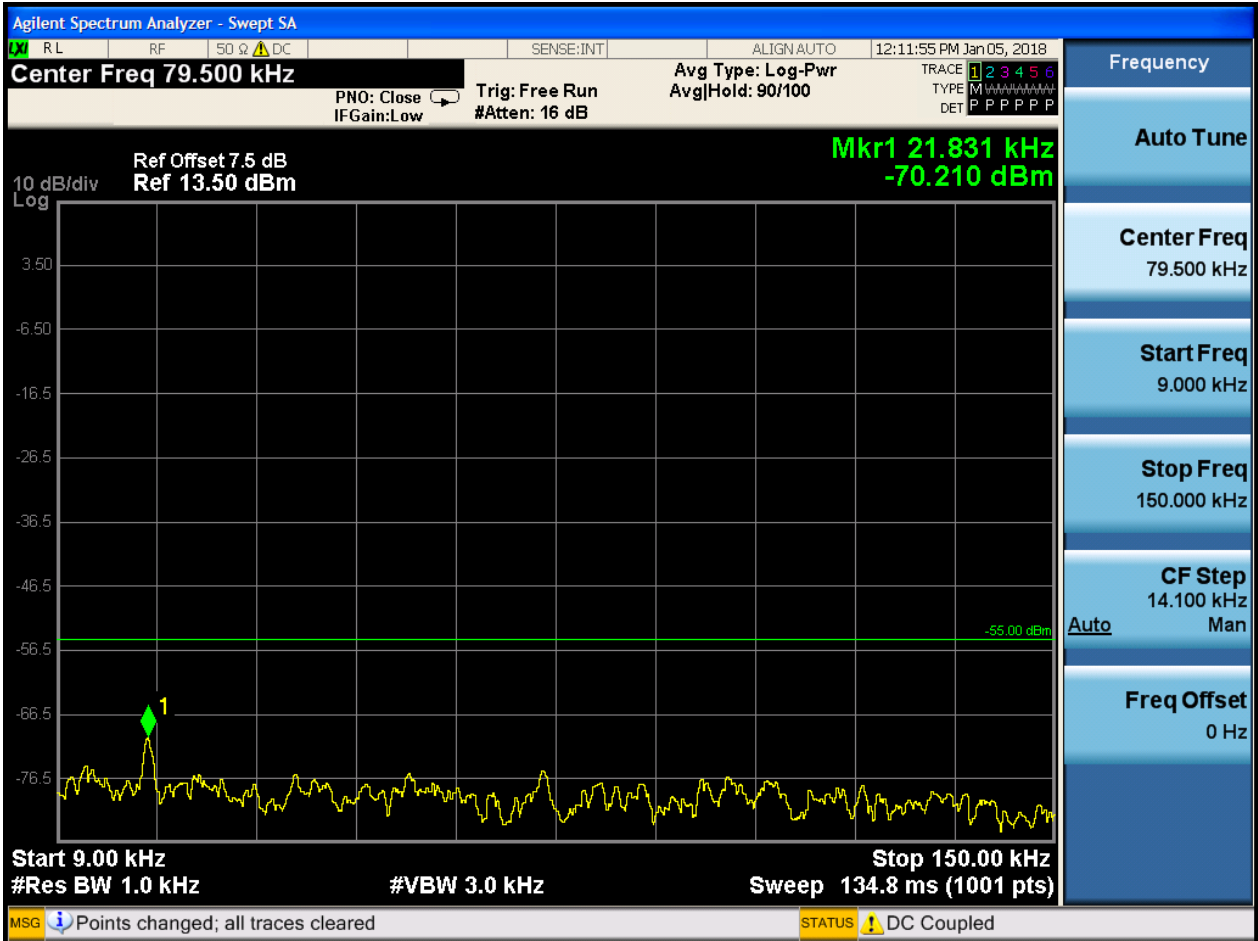


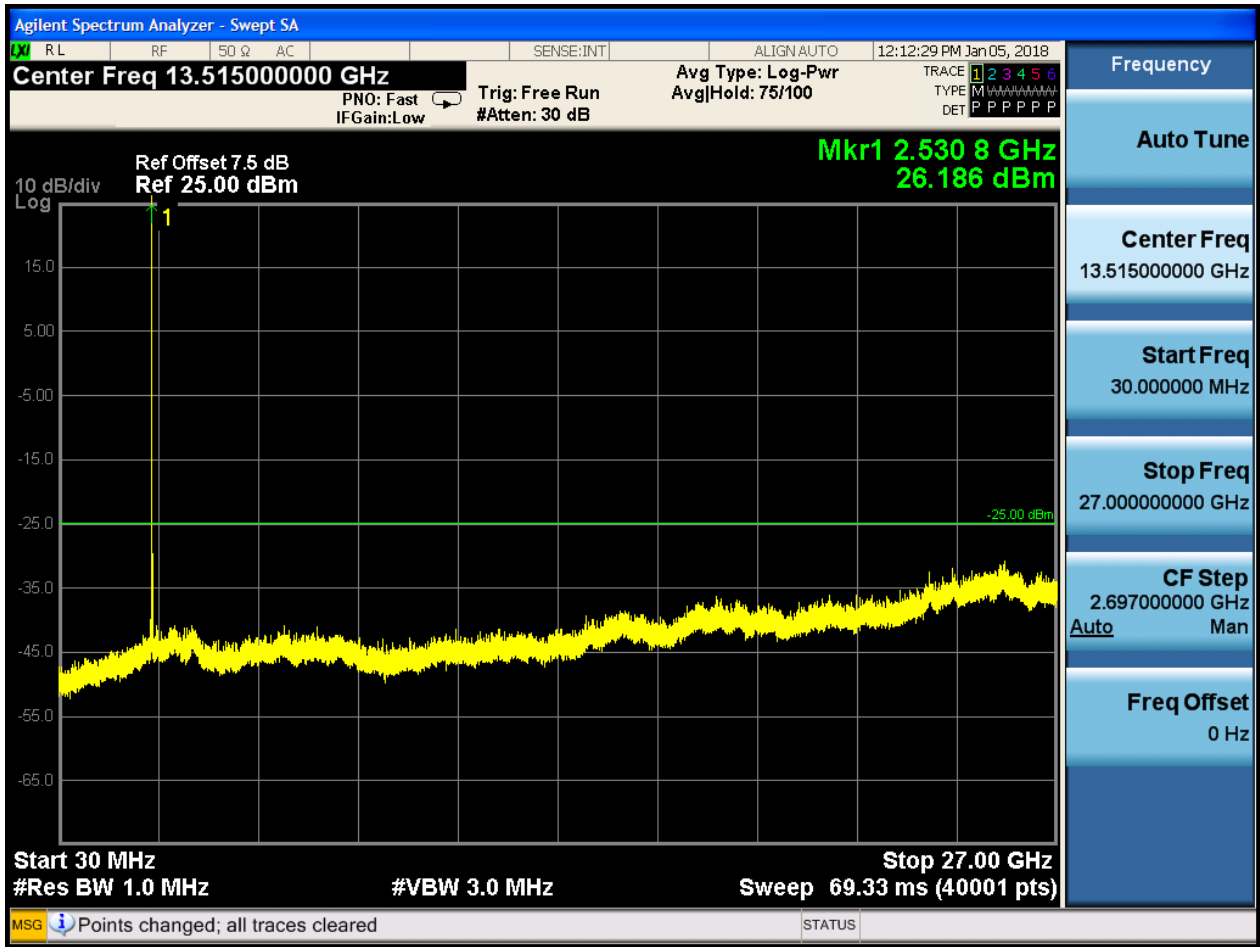




6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

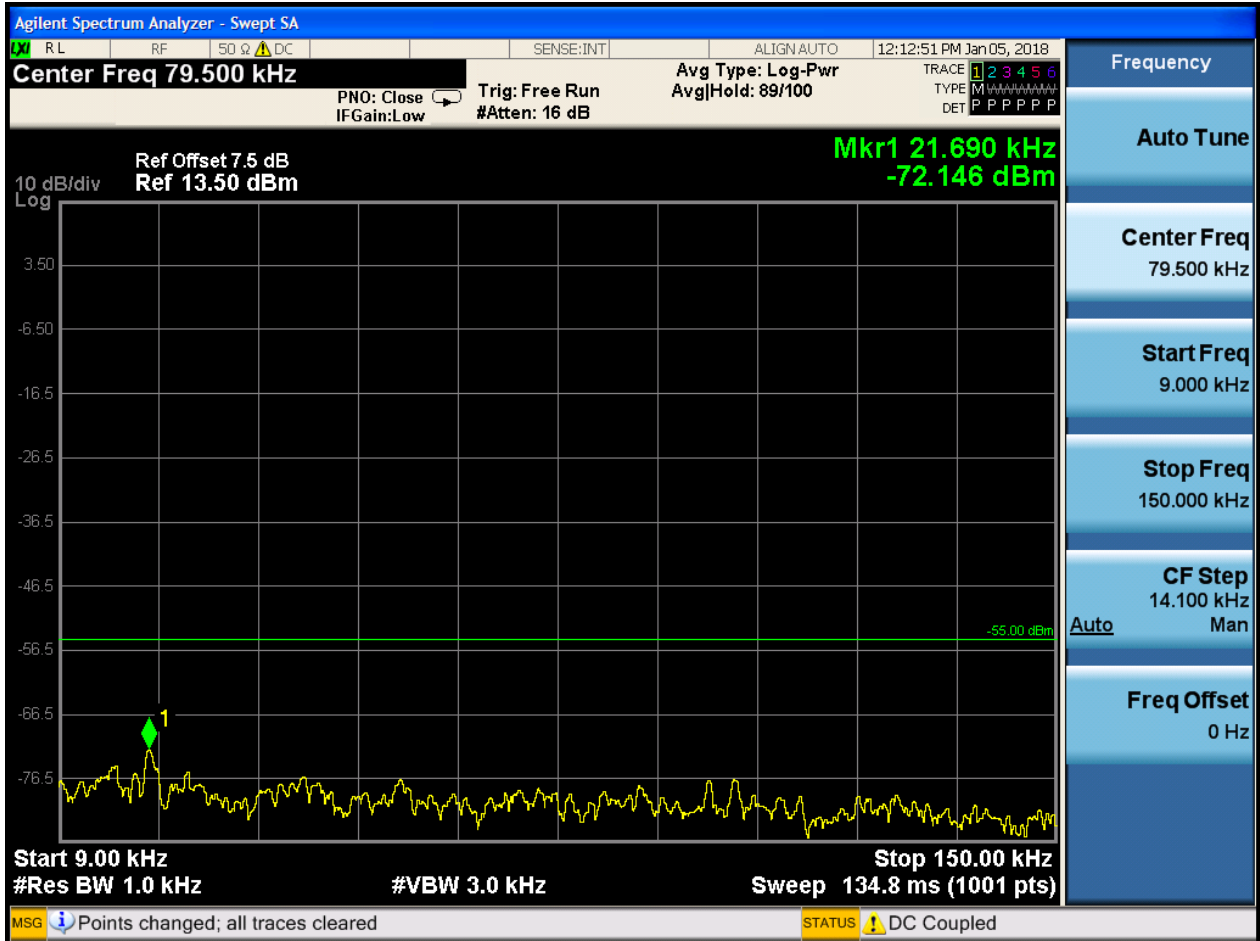


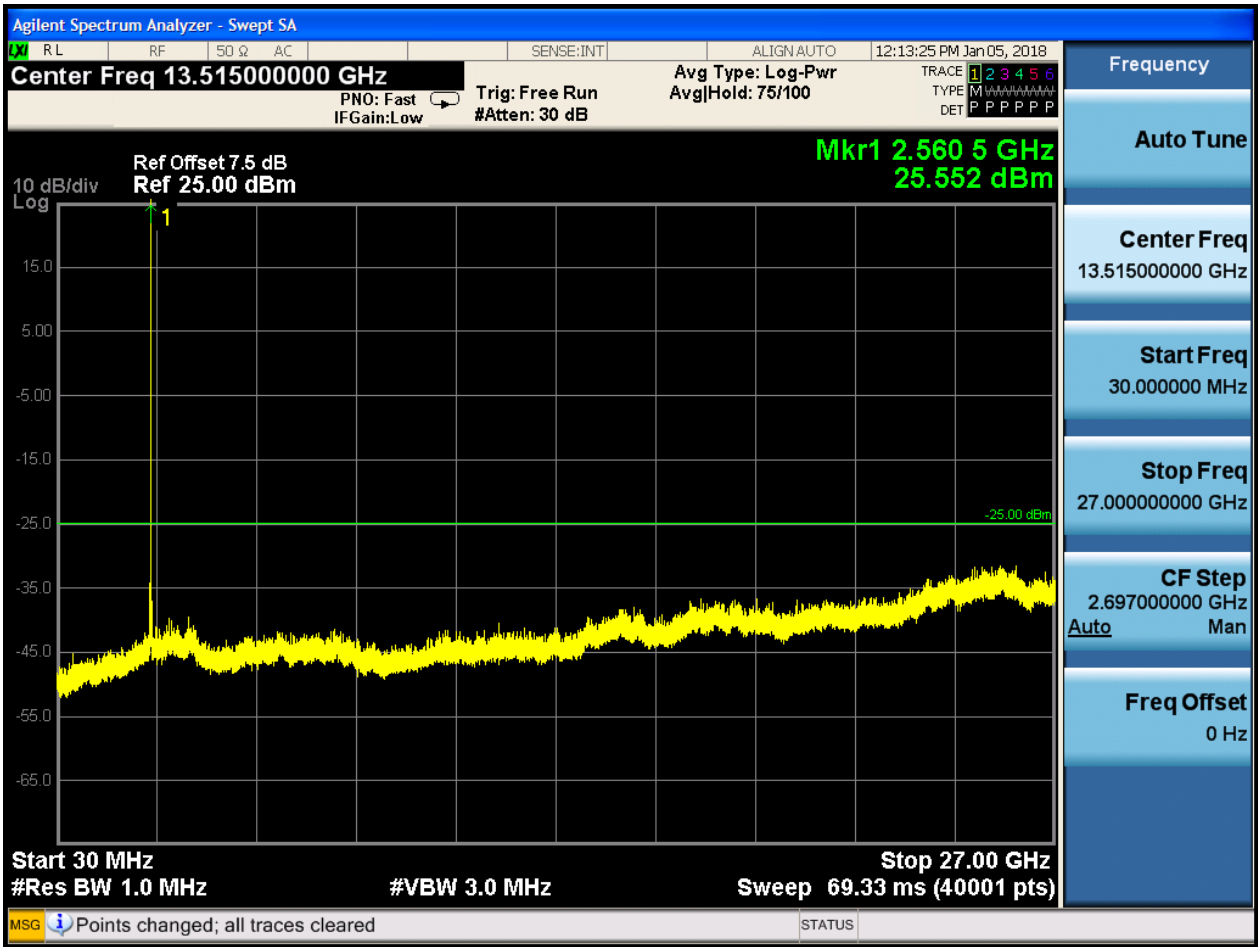




6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



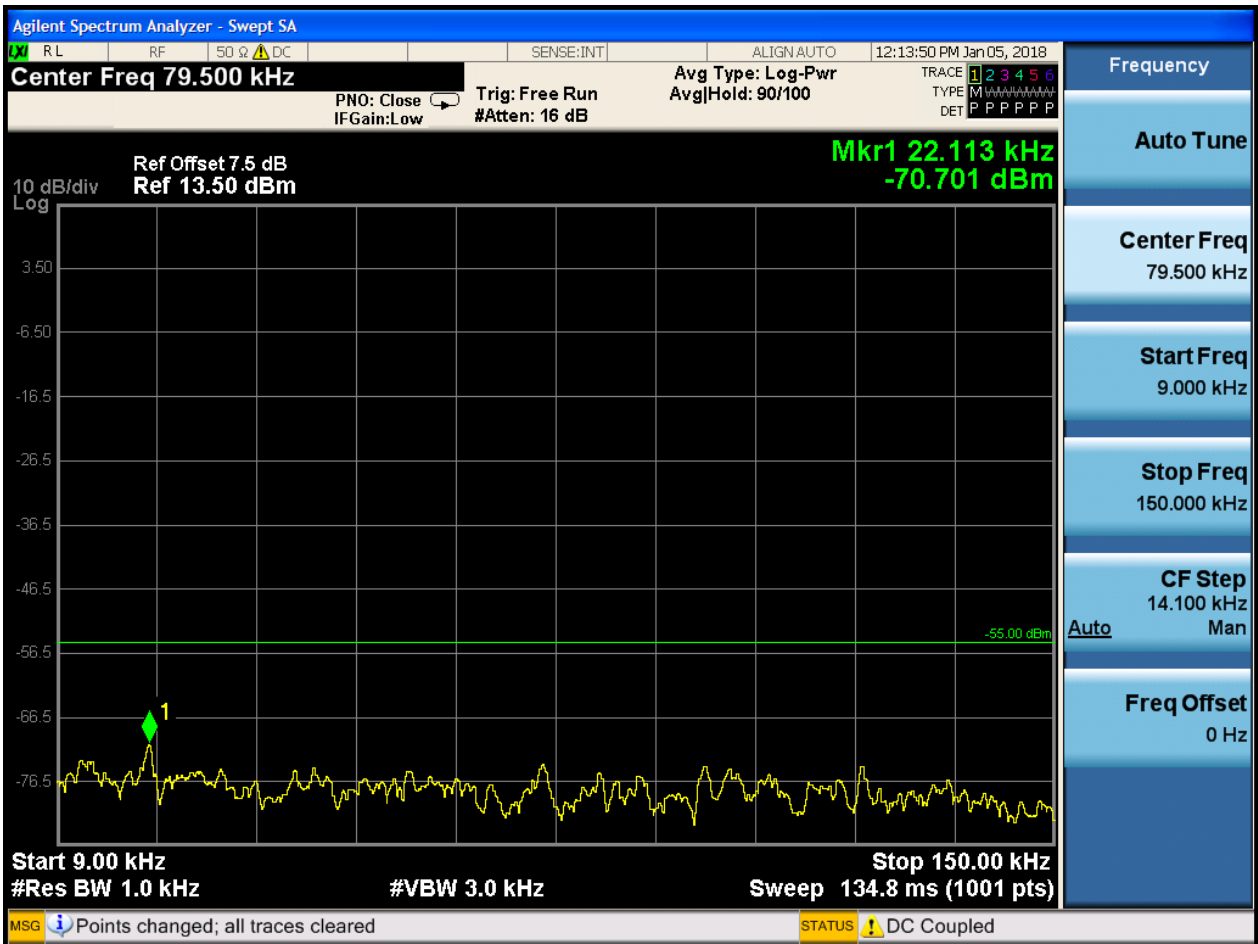


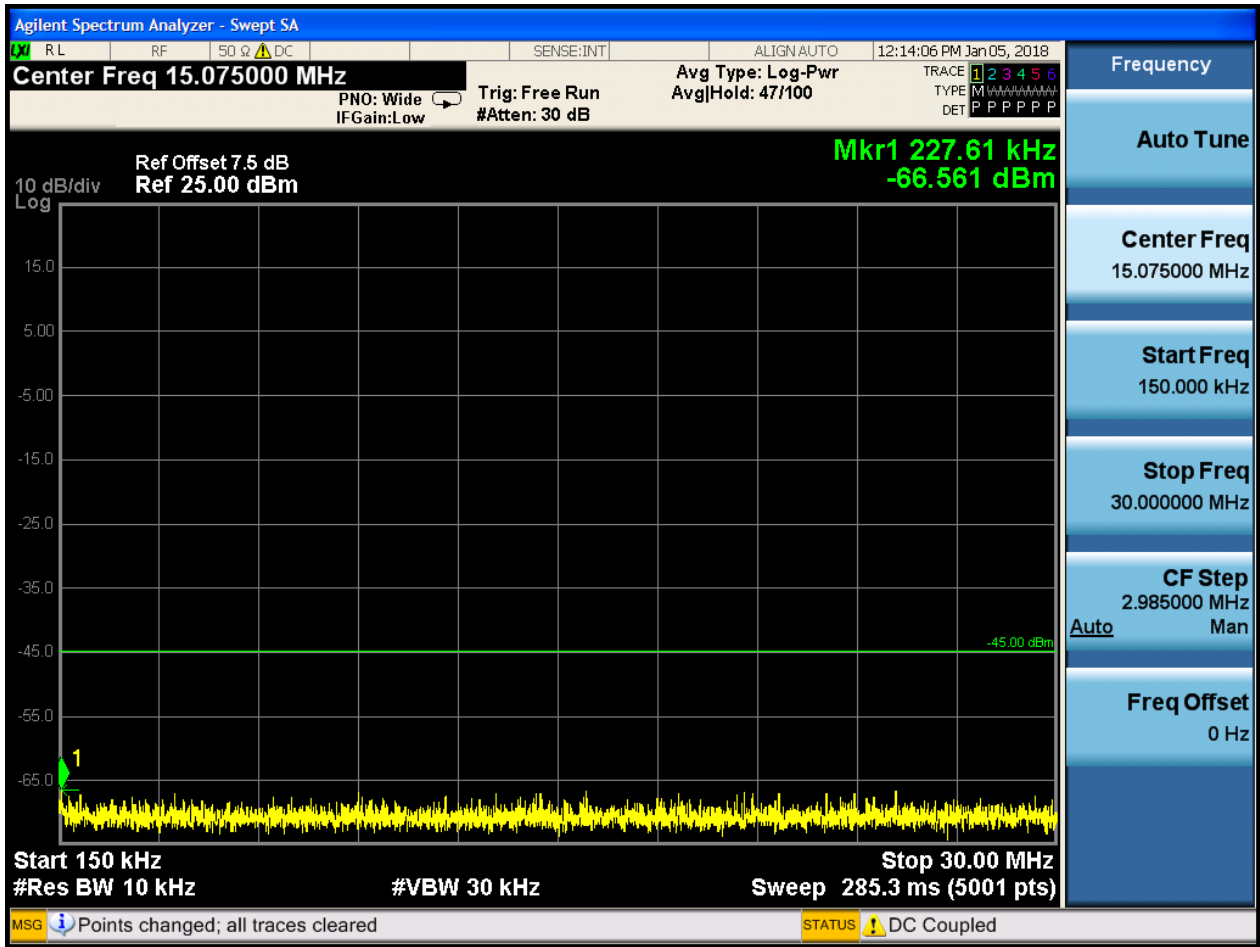


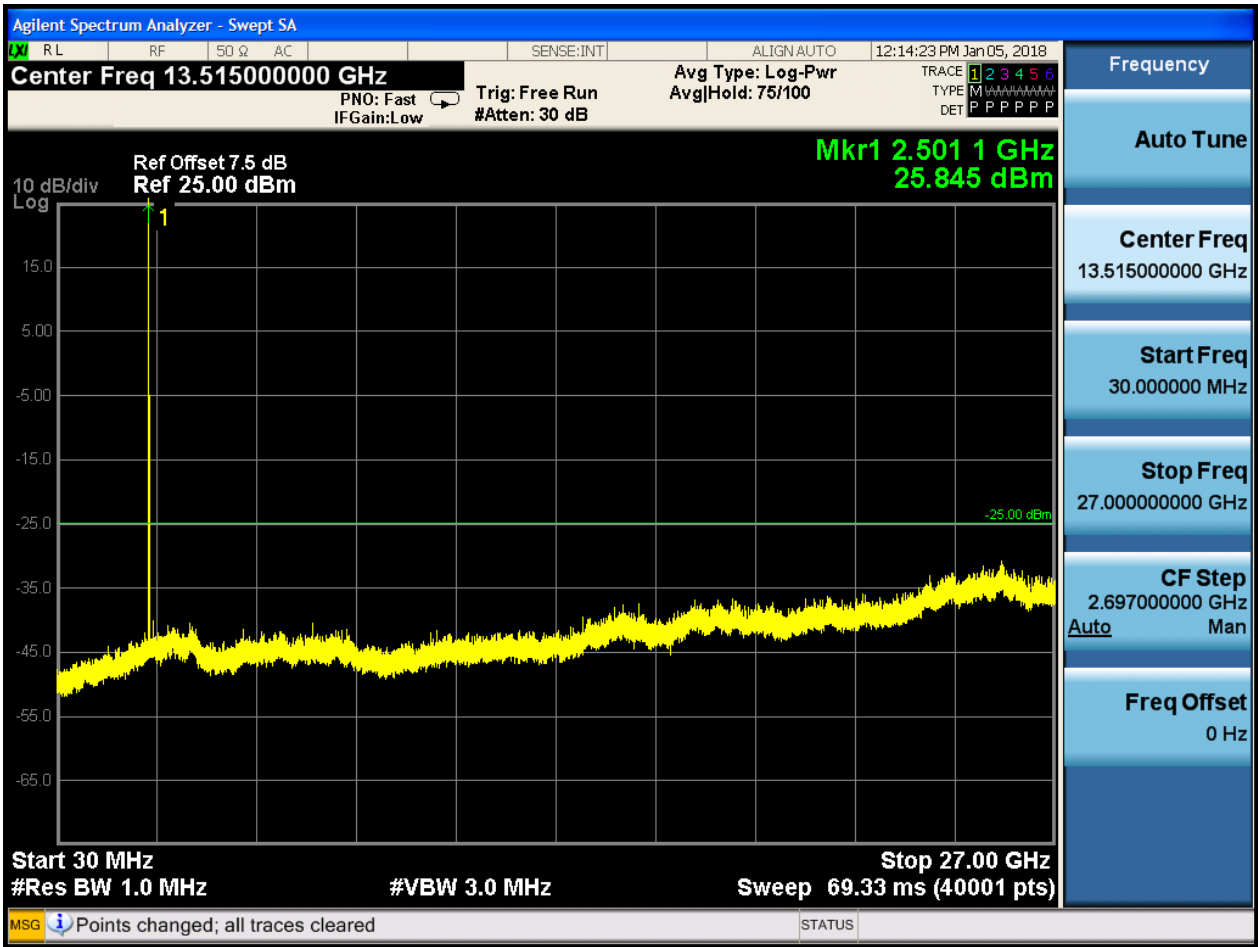
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



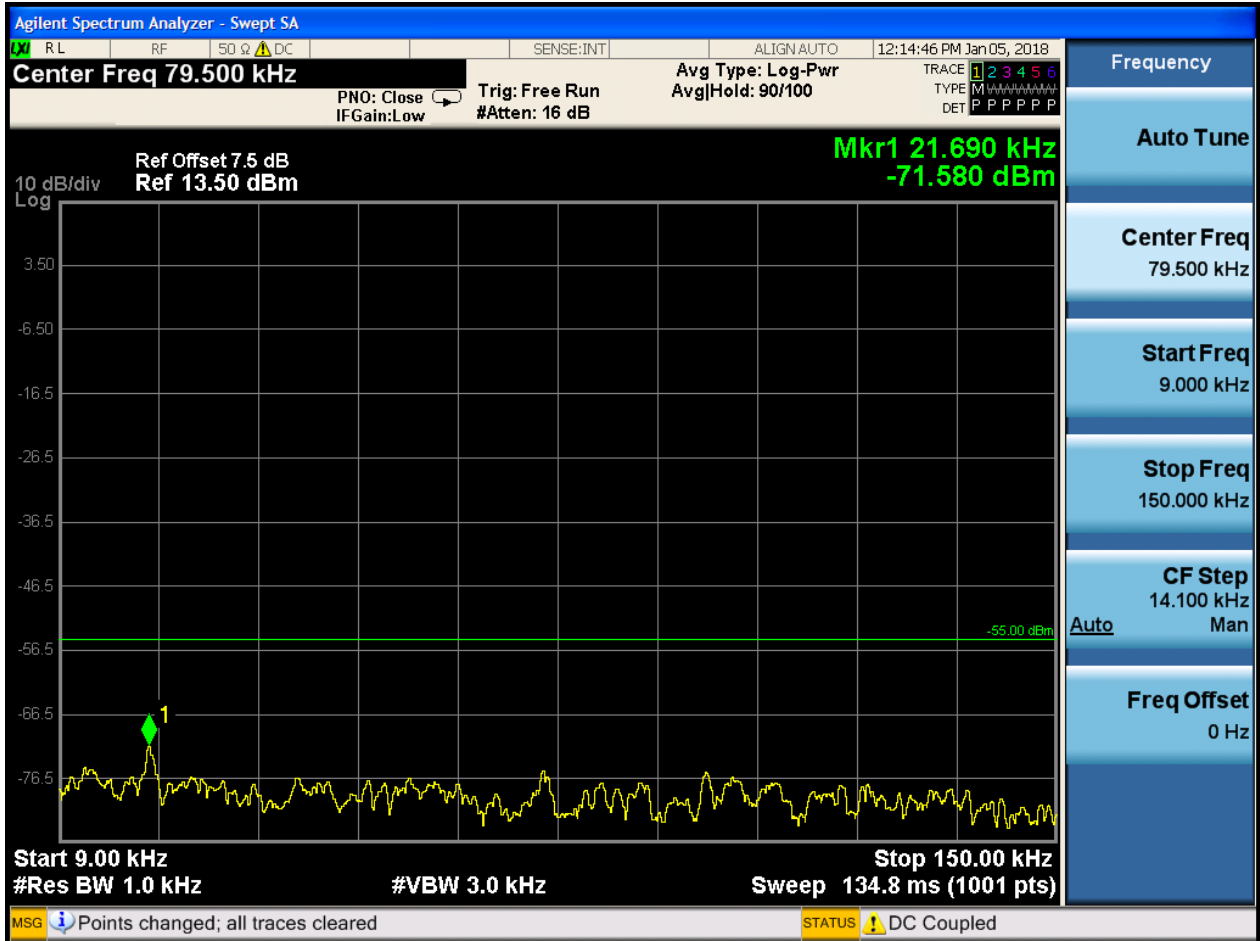


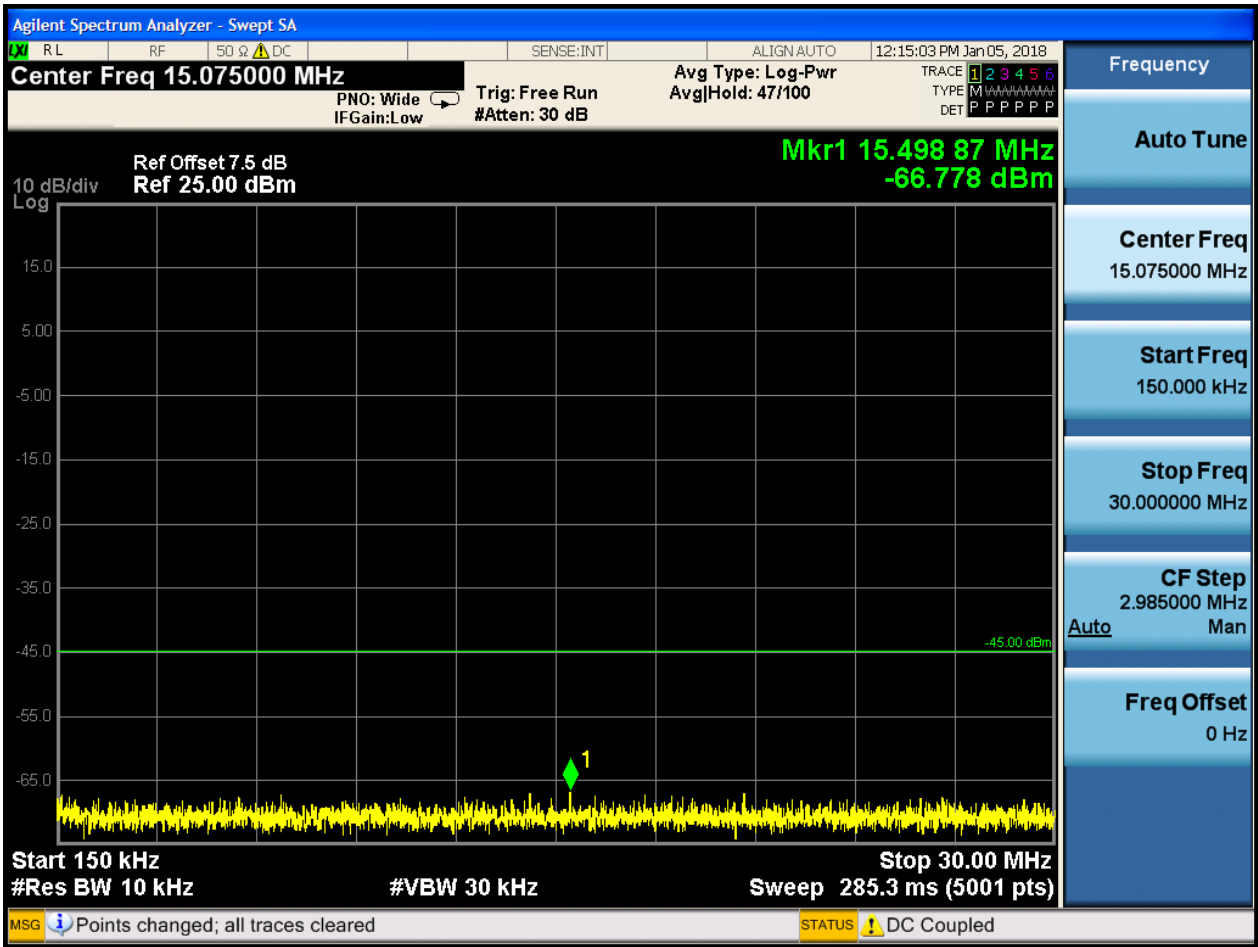


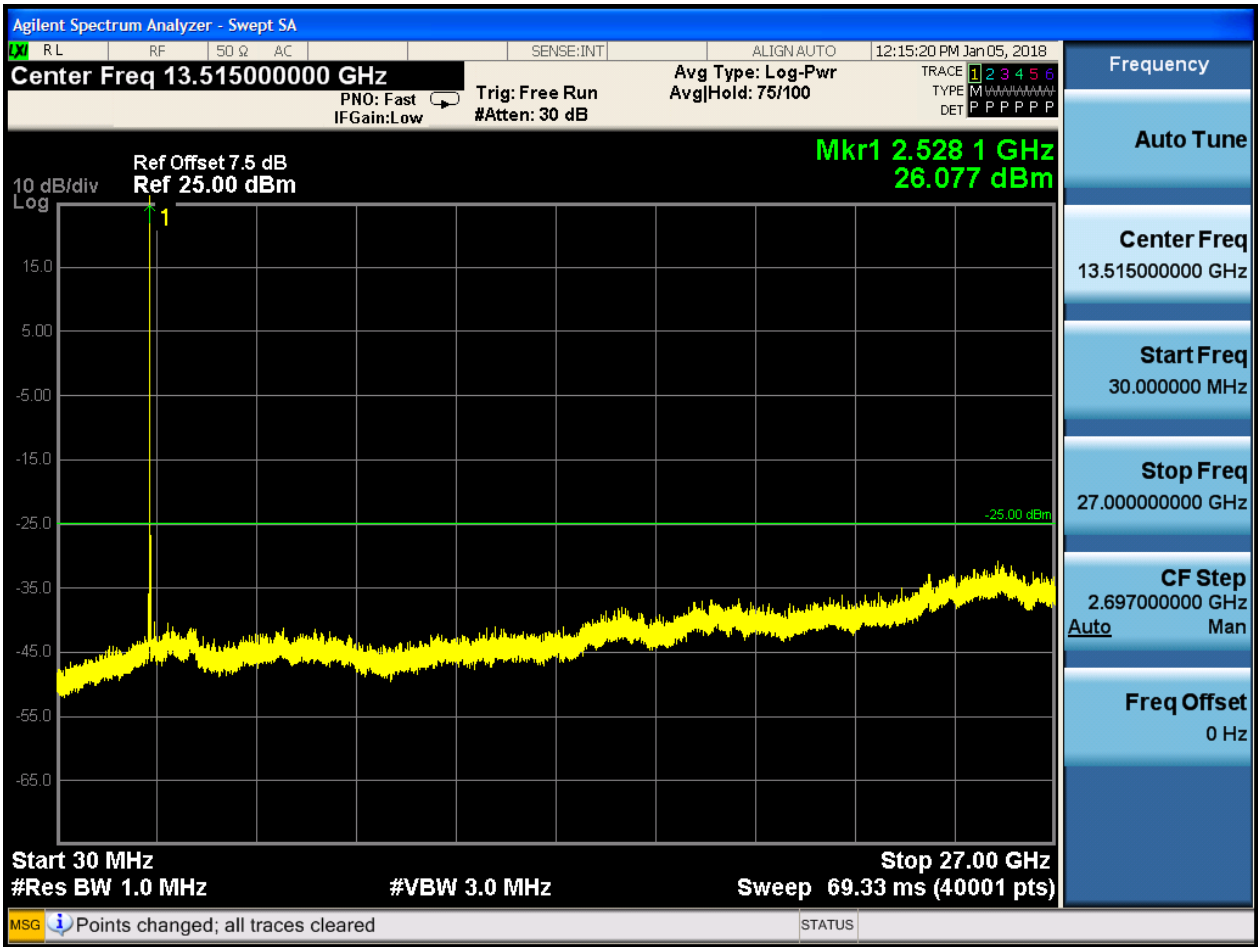


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



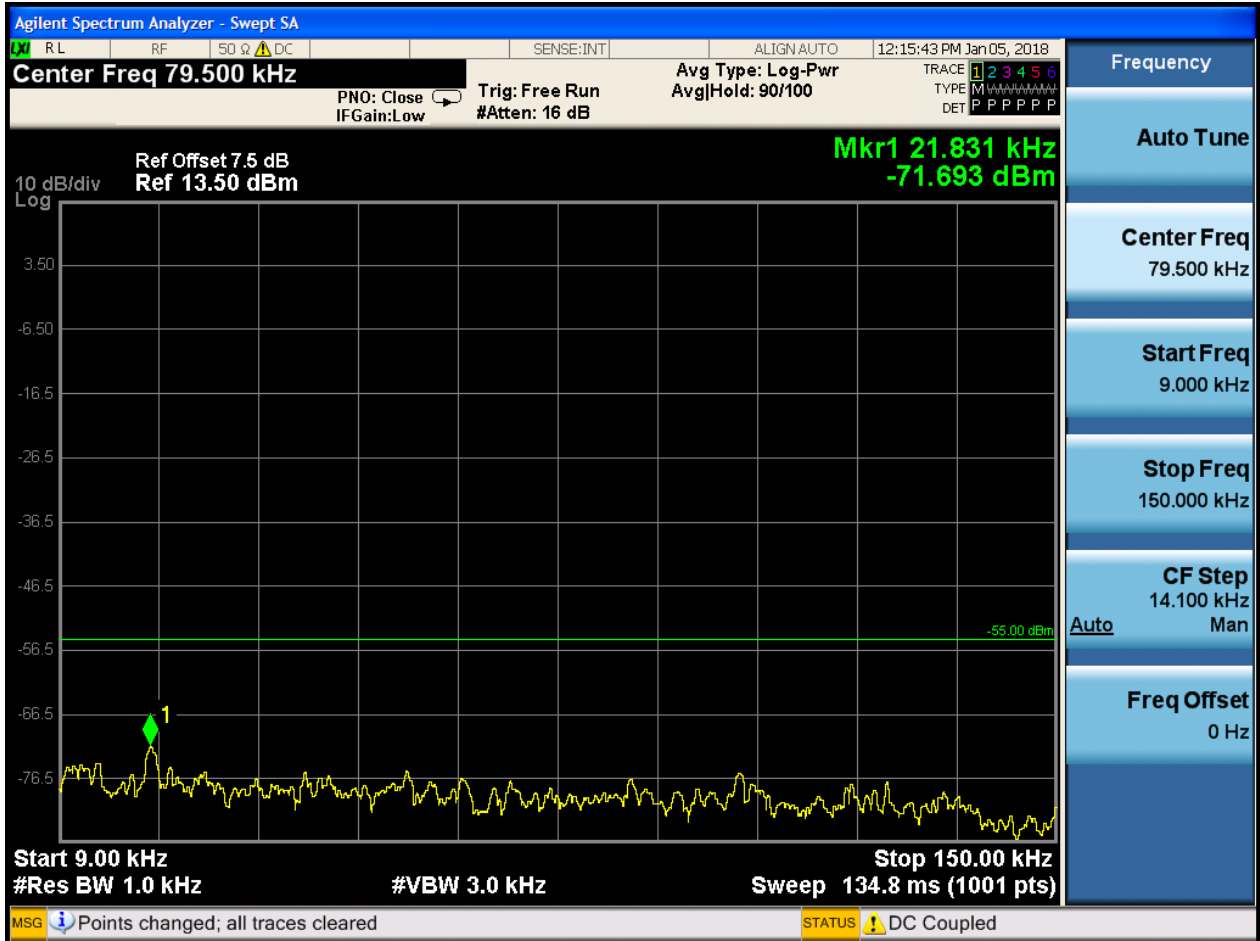


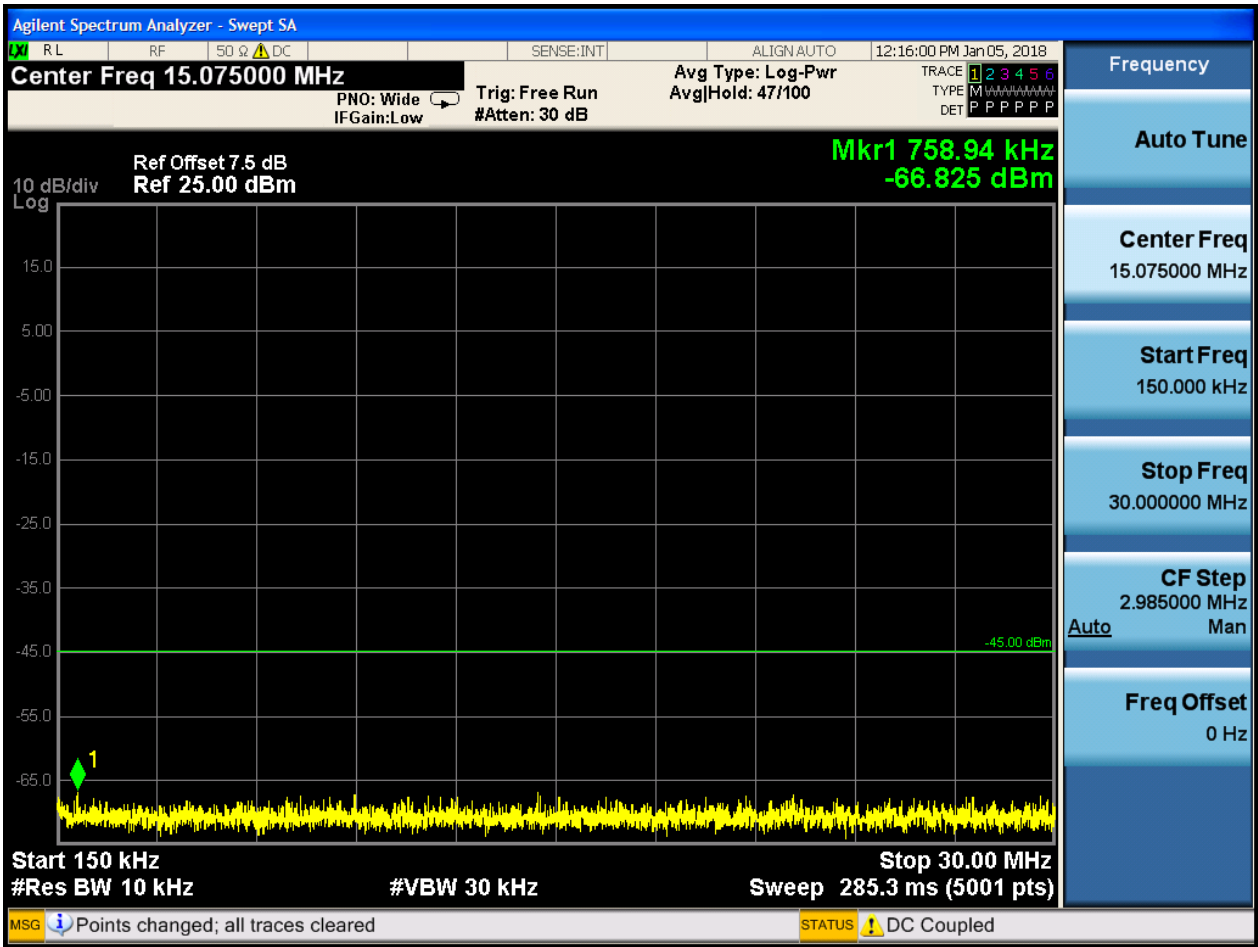


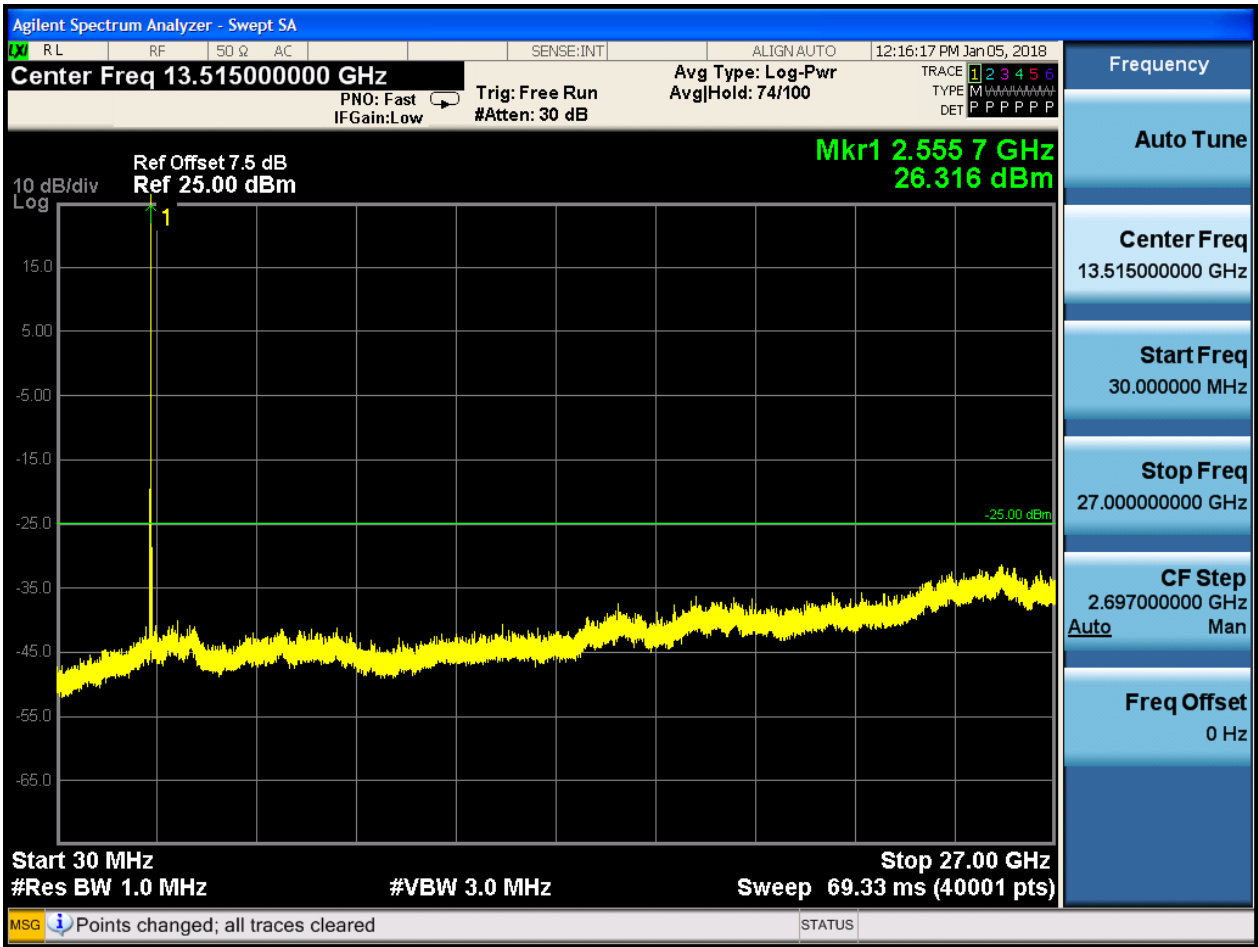


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





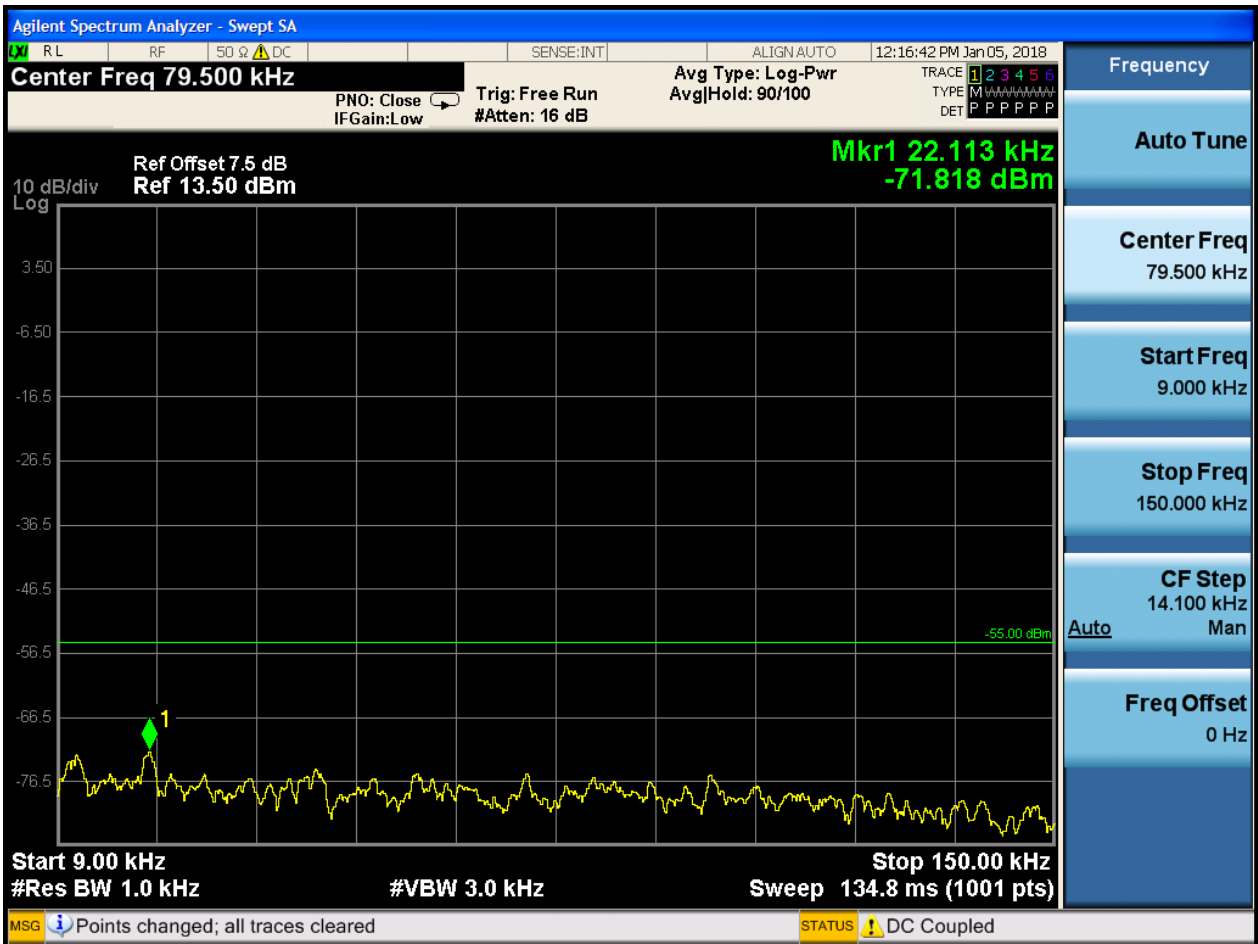


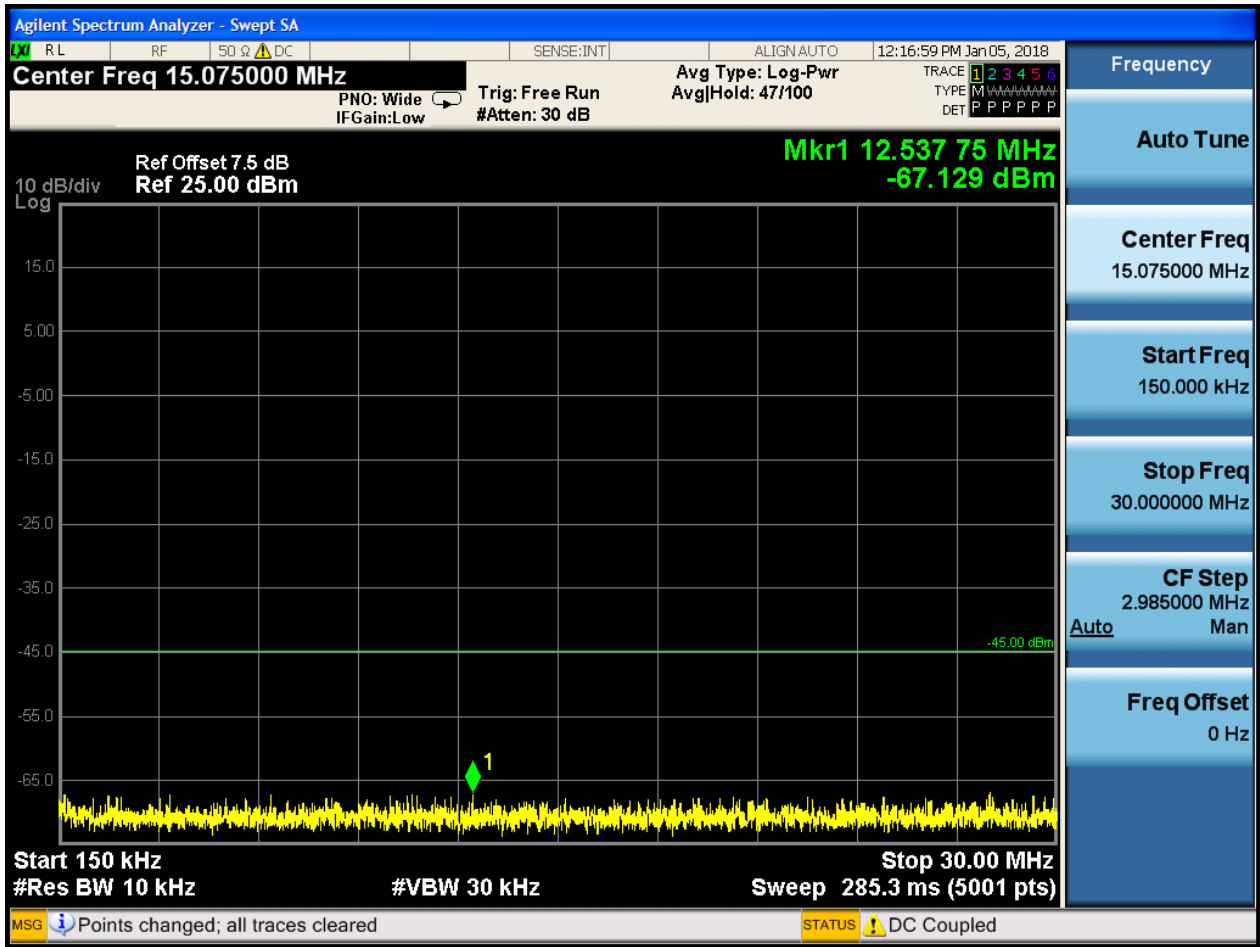


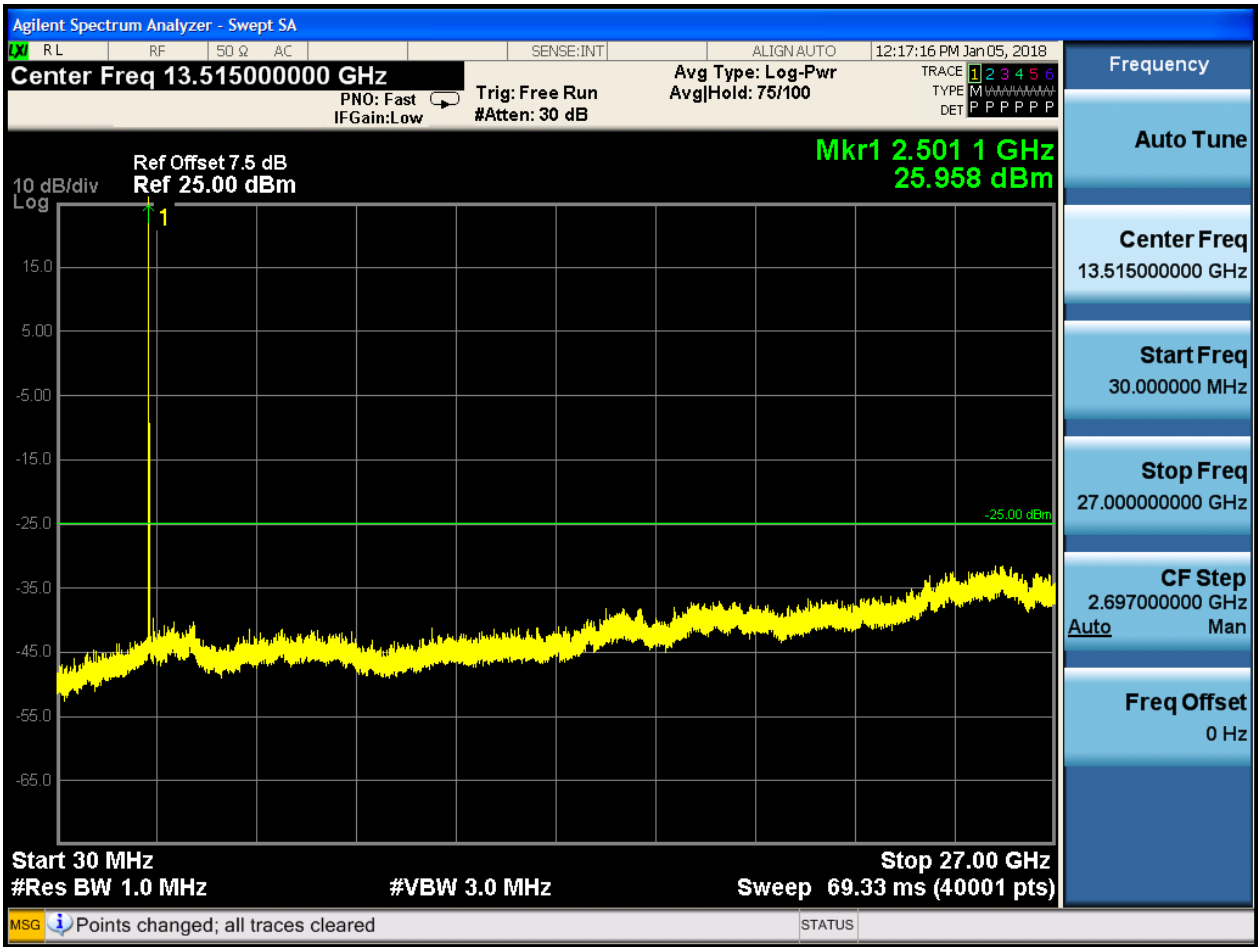
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



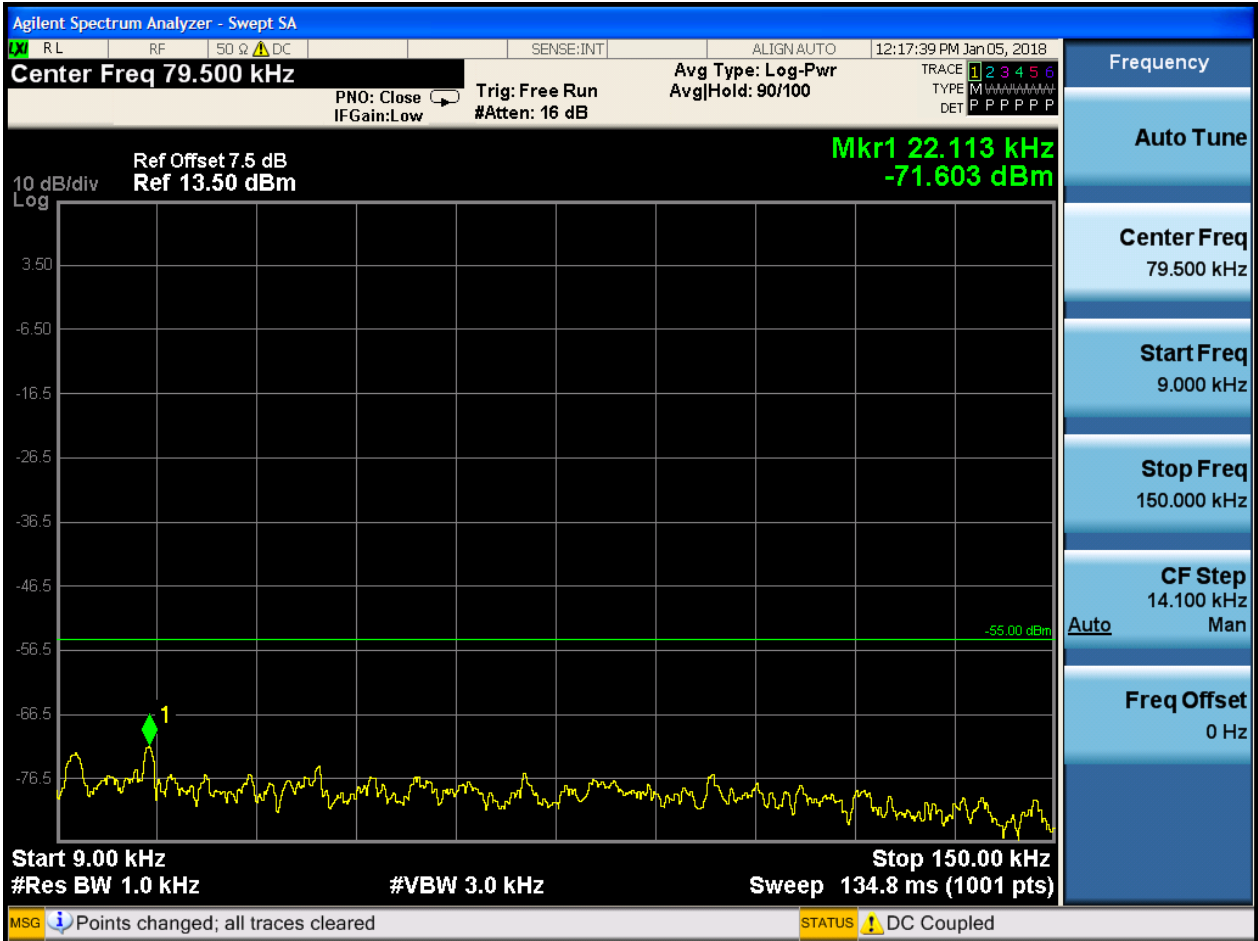


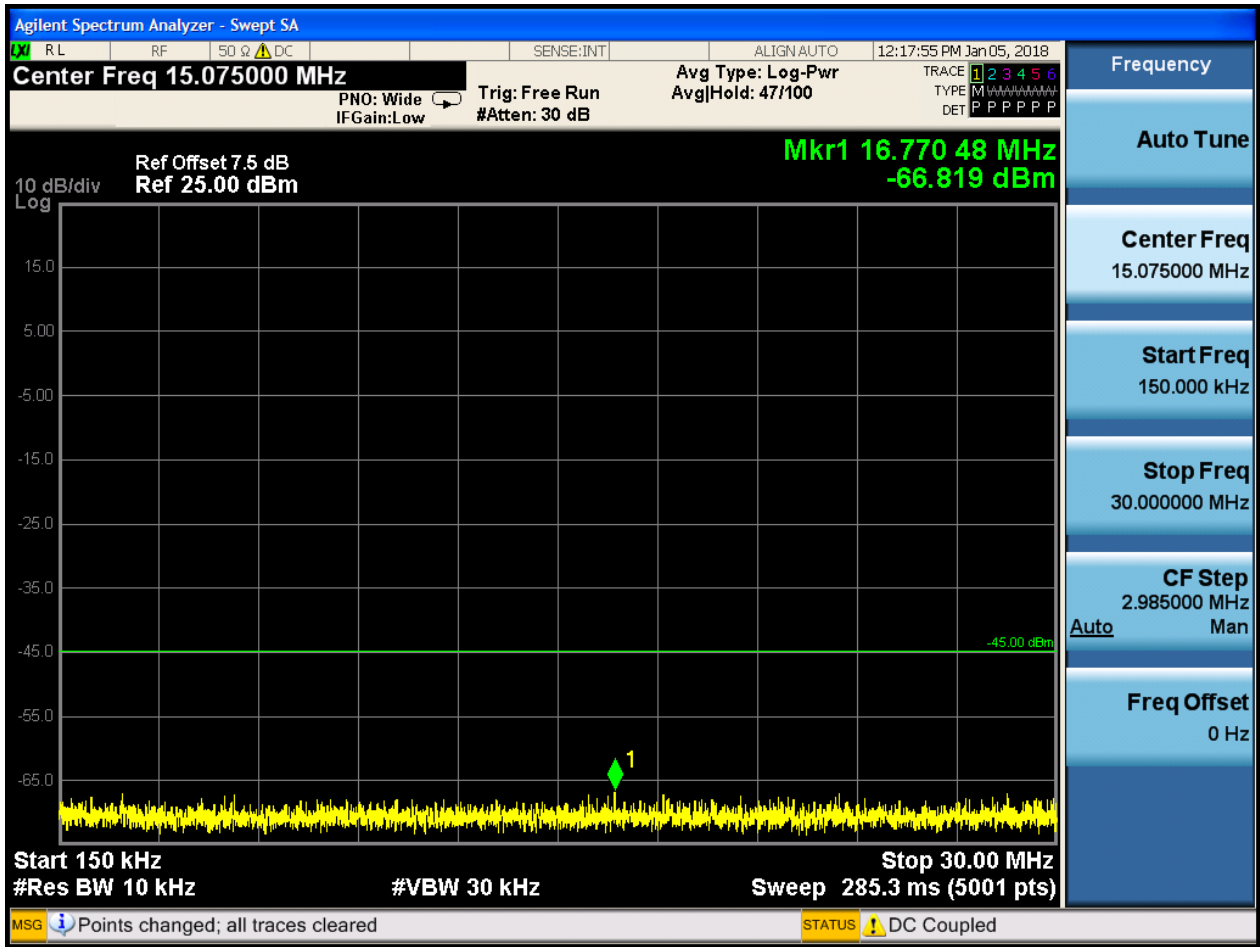


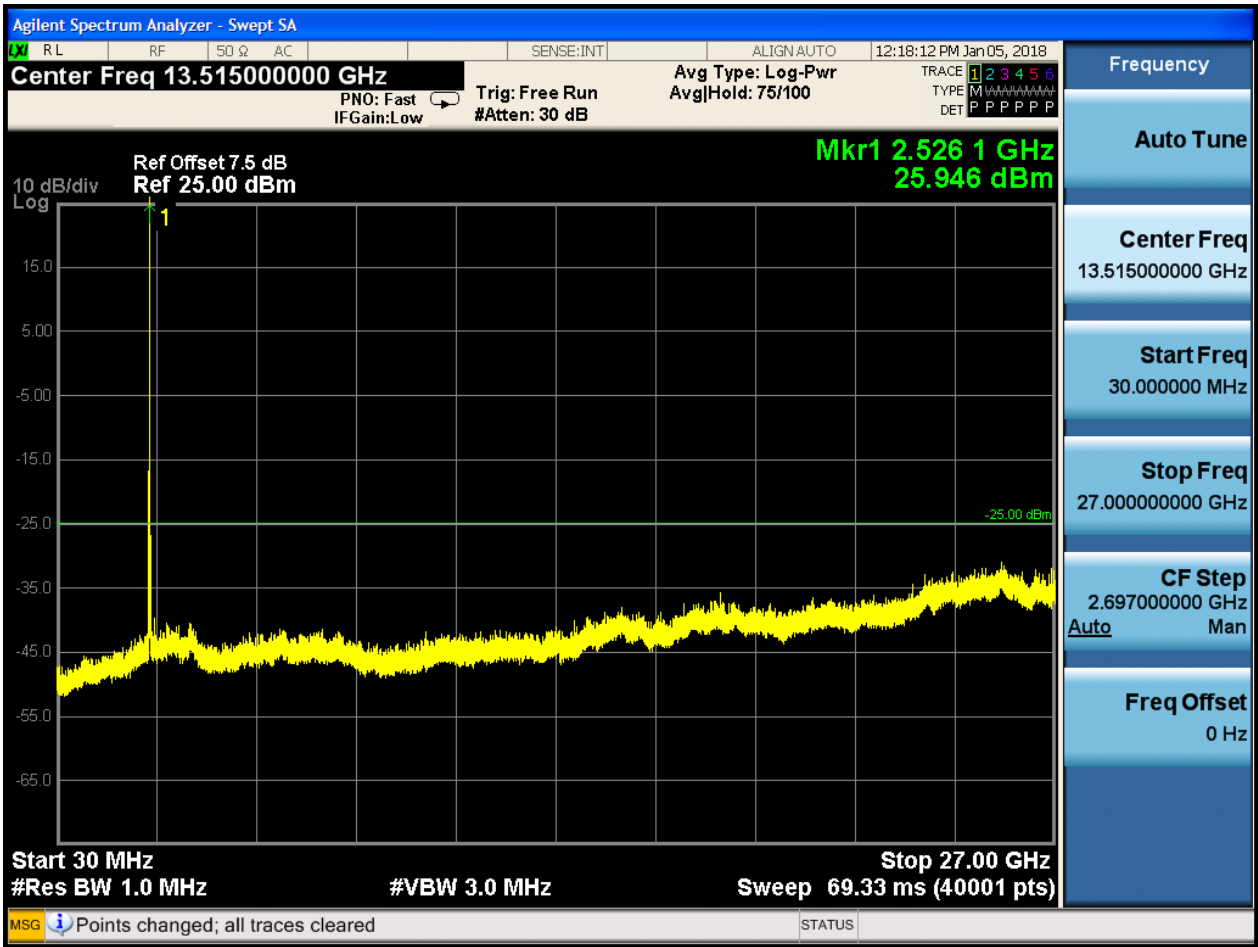


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



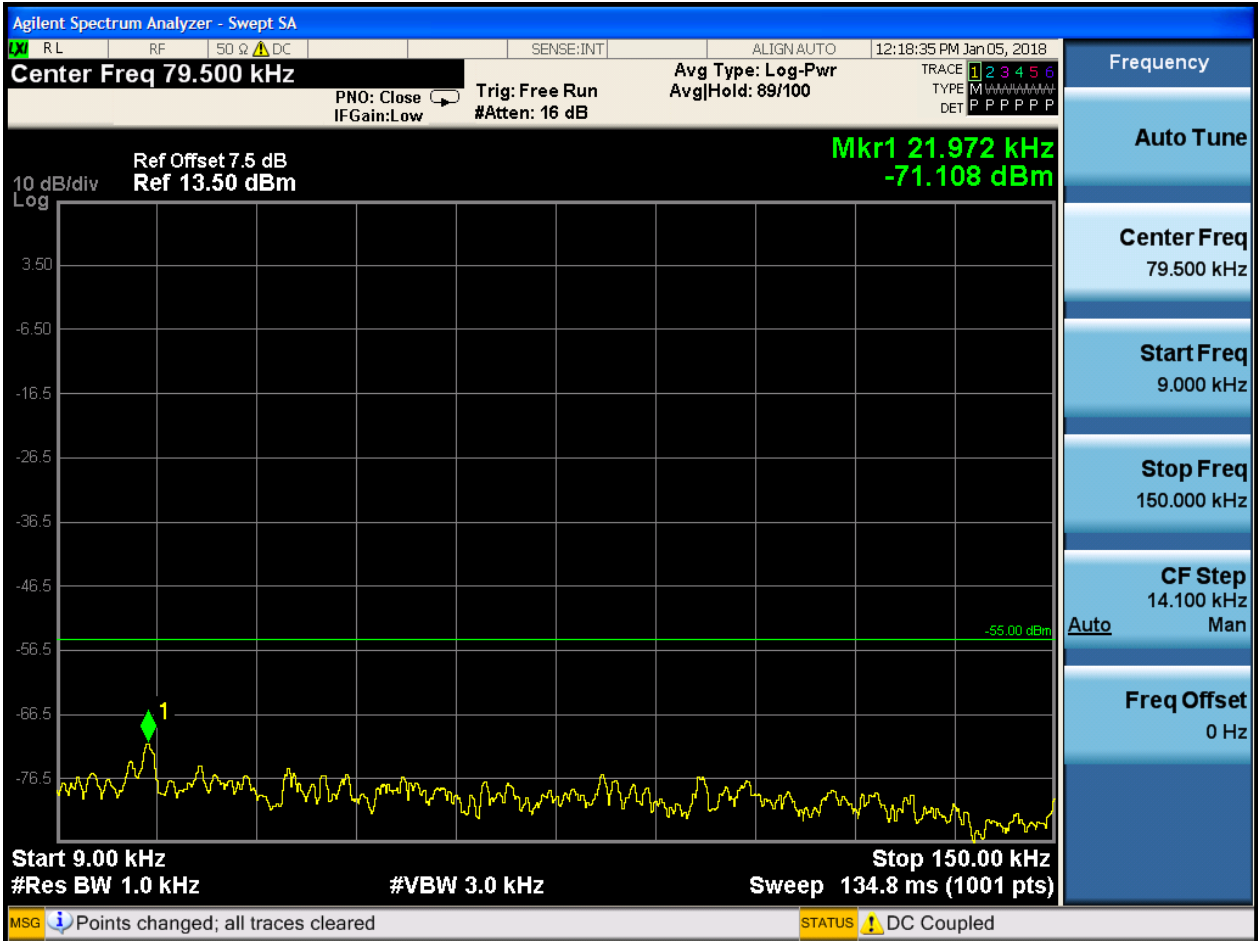


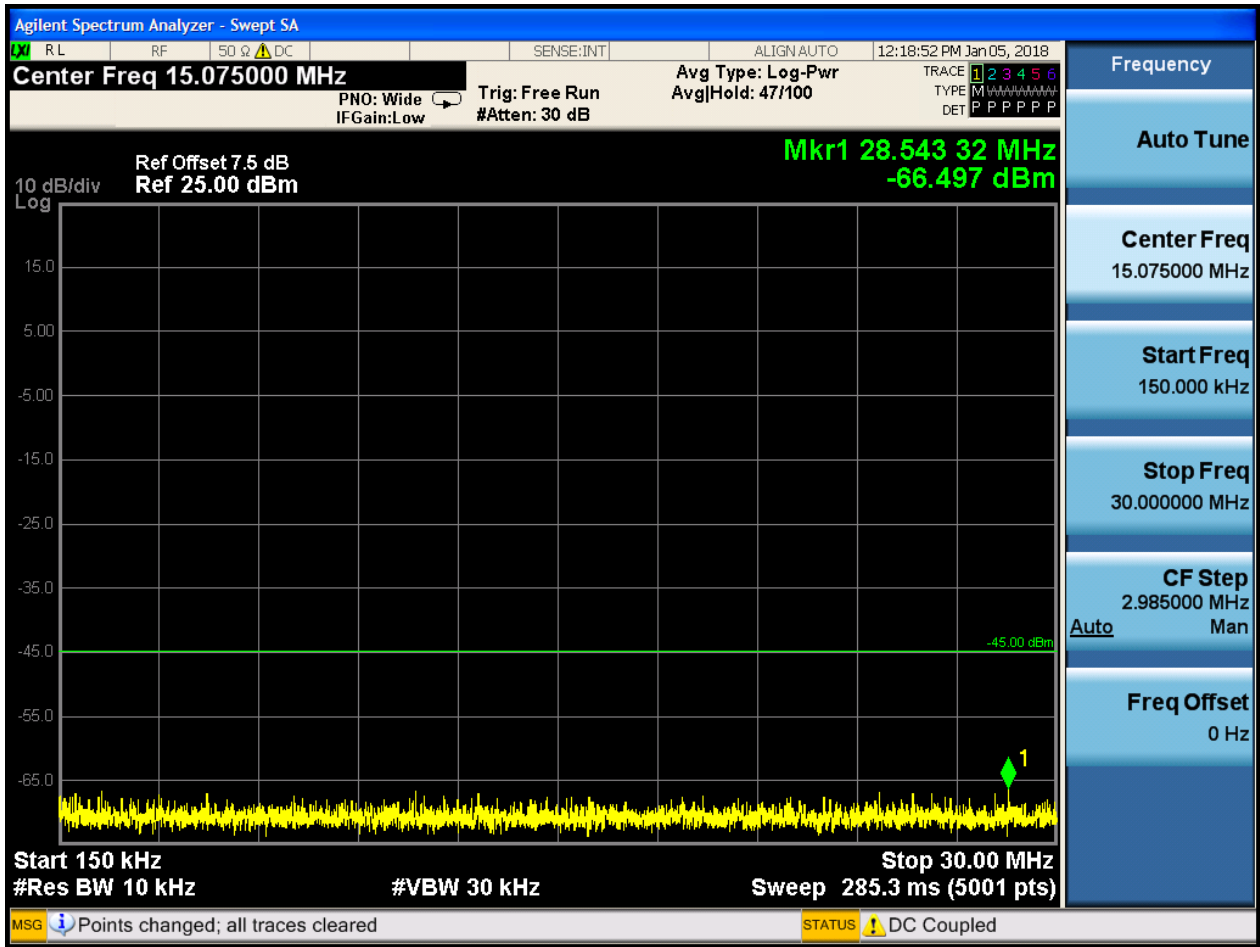


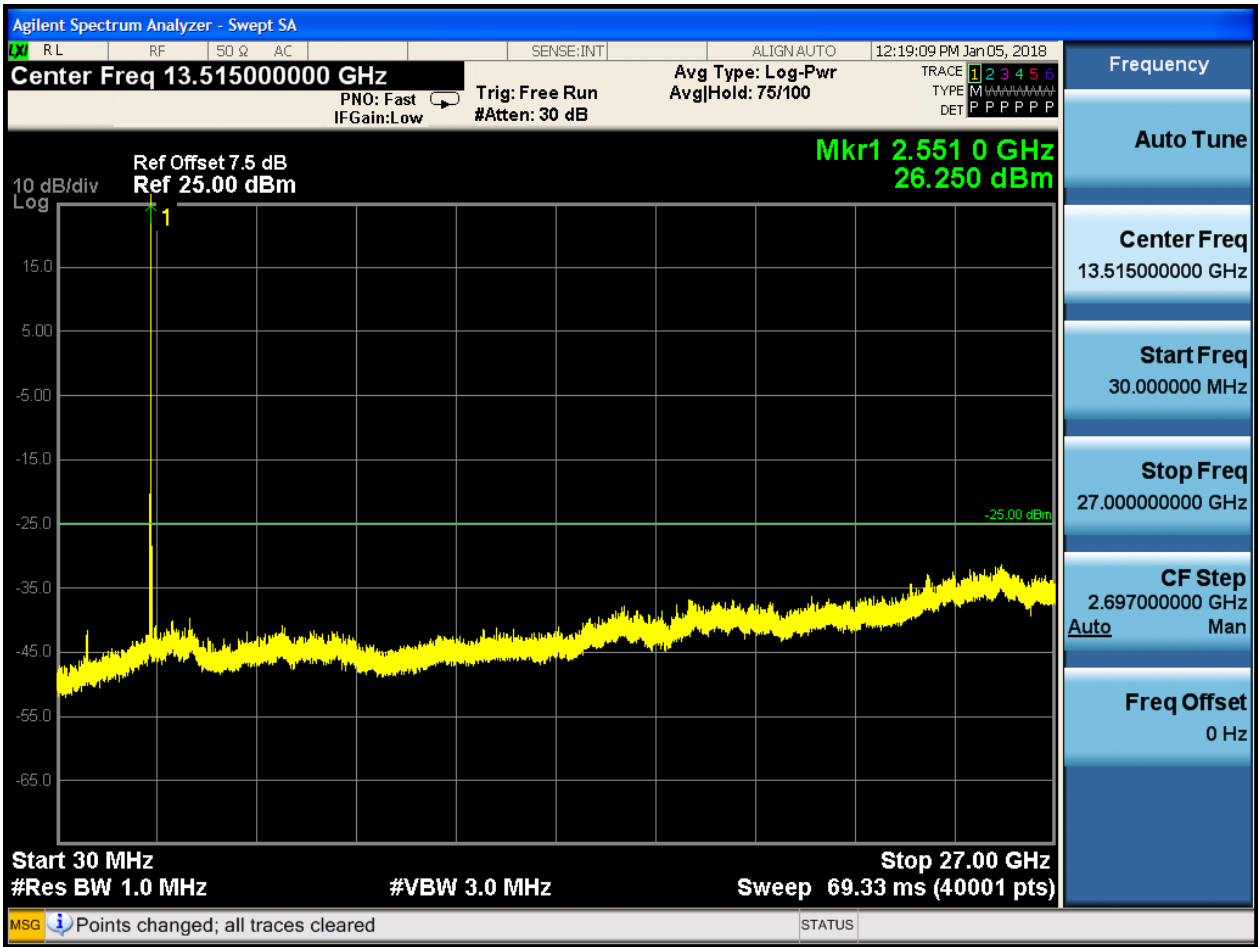


6.1.1.2.4.3 Test Channel = HCH

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

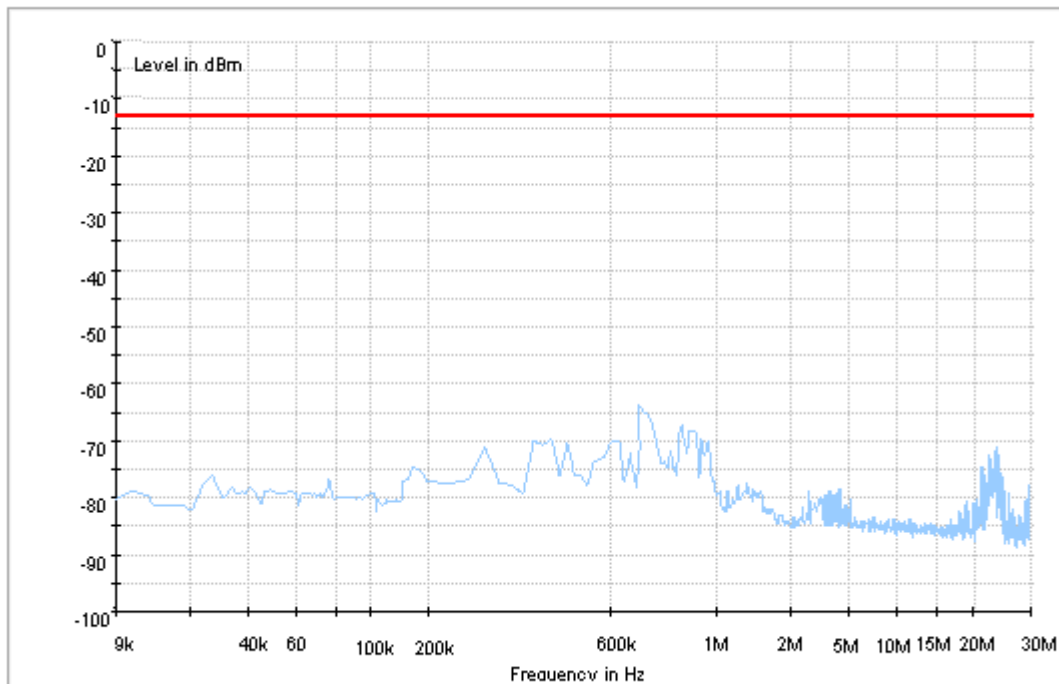
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

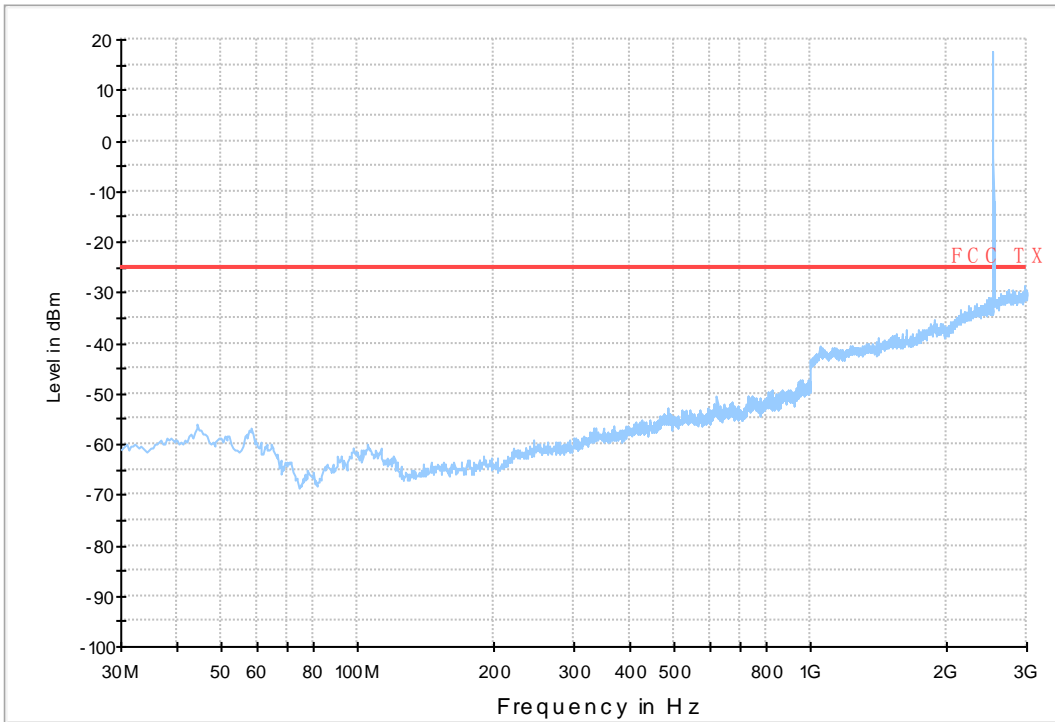
7.1 For LTE

7.1.1 Test Band = BAND7

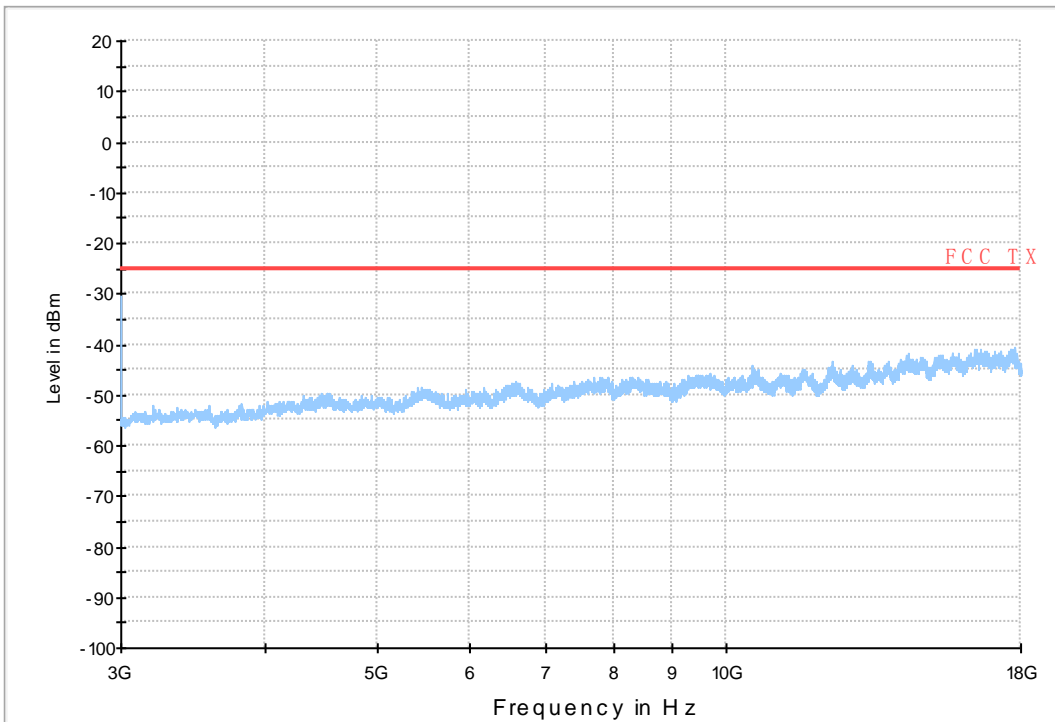
7.1.1.1 Test Bandwidth = 5

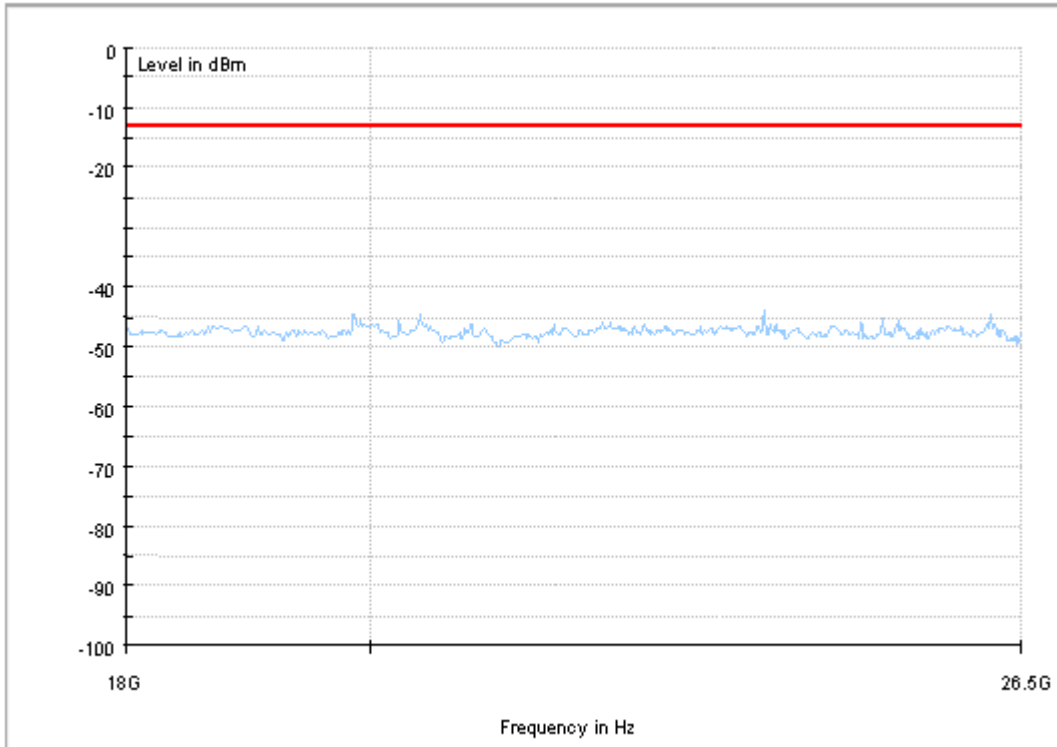


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

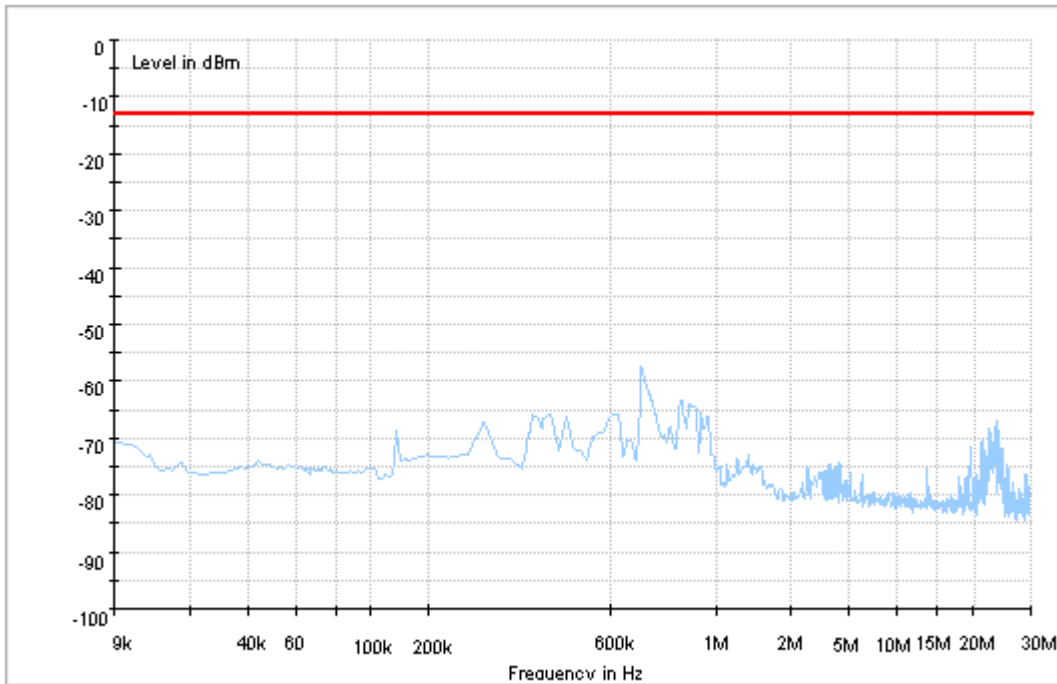


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

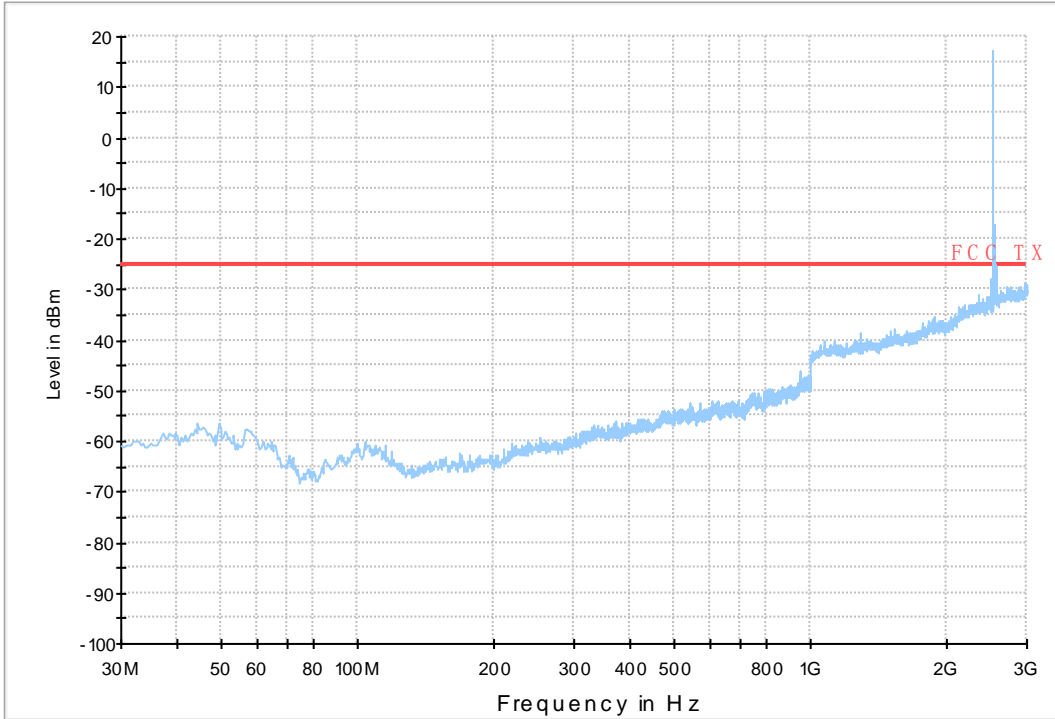




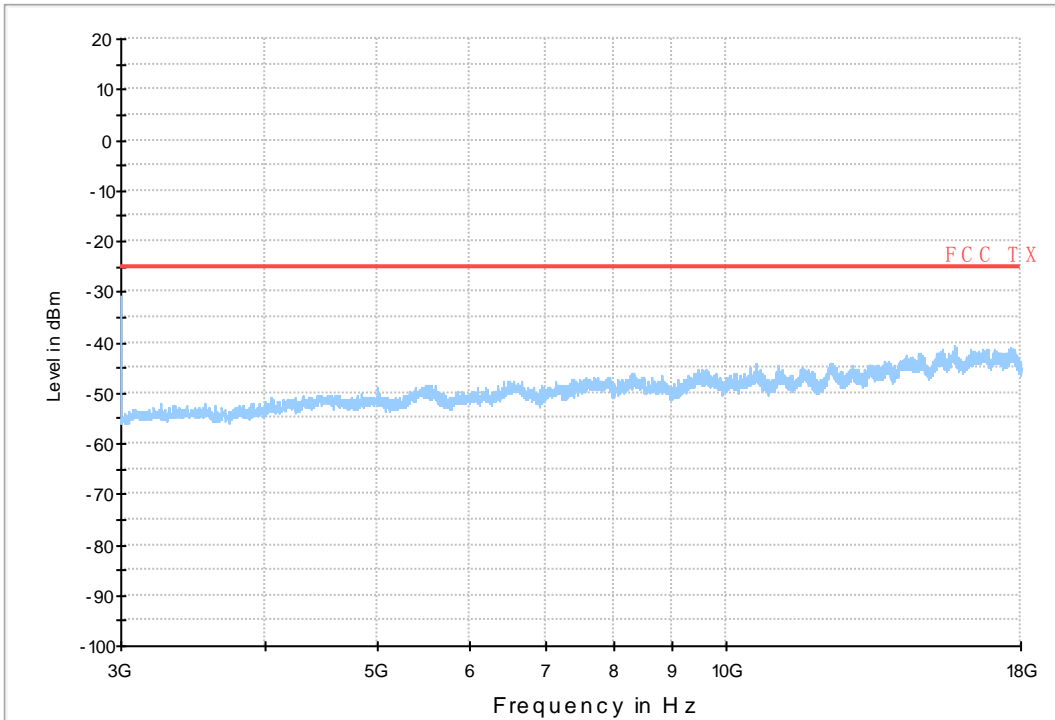
7.1.1.2 Test Bandwidth = 20

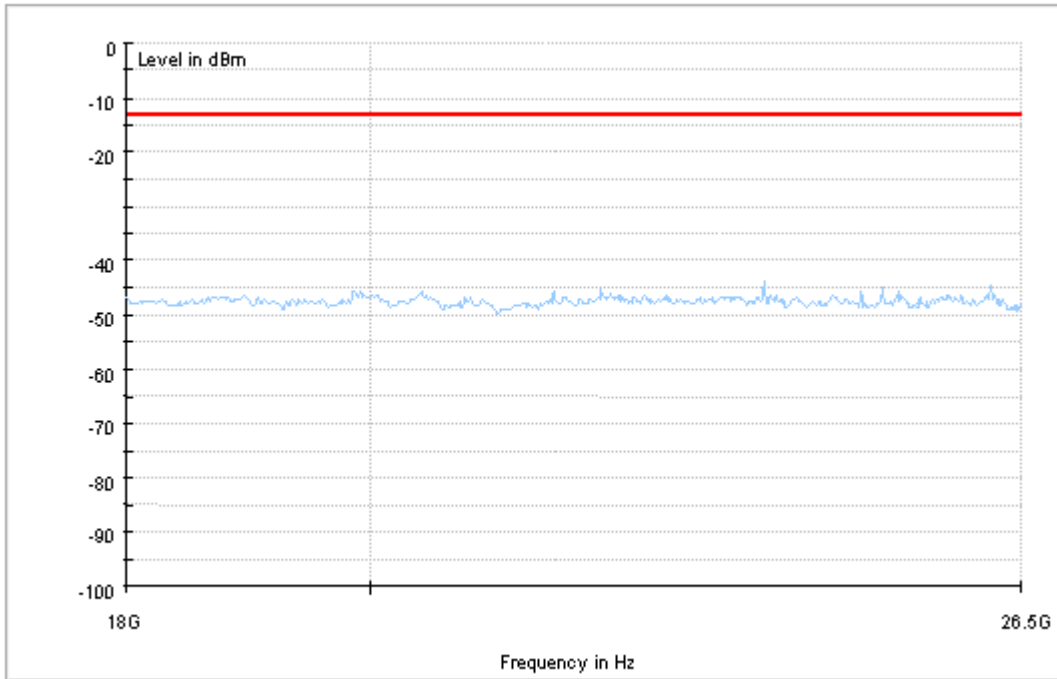


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



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







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	5.35	0.00214	PASS
					VN	4.08	0.00163	PASS
					VH	5.25	0.0021	PASS
			MCH	TN	VL	-2.93	-0.00116	PASS
					VN	-2.35	-0.00093	PASS
					VH	-3.45	-0.00136	PASS
			HCH	TN	VL	0.49	0.00019	PASS
					VN	1.43	0.00056	PASS
					VH	0.86	0.00033	PASS
		10	LCH	TN	VL	-3.73	-0.00149	PASS
					VN	-3.19	-0.00127	PASS
					VH	-1.95	-0.00078	PASS
			MCH	TN	VL	-1.9	-0.00075	PASS
					VN	-2.65	-0.00105	PASS
					VH	-2.12	-0.00084	PASS
			HCH	TN	VL	-0.49	-0.00019	PASS
					VN	-0.23	-0.00009	PASS
					VH	-0.73	-0.00028	PASS
		15	LCH	TN	VL	-47.62	-0.01899	PASS
					VN	-46.66	-0.01861	PASS
					VH	-39.22	-0.01564	PASS
			MCH	TN	VL	-2.92	-0.00115	PASS
					VN	-2.92	-0.00115	PASS
					VH	-3.38	-0.00133	PASS
HCH	TN		VL	1.56	0.00061	PASS		
			VN	1.49	0.00058	PASS		
			VH	1.99	0.00078	PASS		
20	LCH	TN	VL	1.16	0.00046	PASS		
			VN	1.22	0.00049	PASS		
			VH	1.97	0.00078	PASS		
		MCH	TN	VL	-2.69	-0.00106	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	-3.98	-0.00157	PASS
					VH	-2.17	-0.00086	PASS
					VL	-0.21	-0.00008	PASS
			VN	0.72	0.00028	PASS		
			VH	-0.06	-0.00002	PASS		
			VL	2.75	0.0011	PASS		
		5	LCH	TN	VN	2.62	0.00105	PASS
					VH	2.86	0.00114	PASS
					VL	-2.39	-0.00094	PASS
			MCH	TN	VN	-3.25	-0.00128	PASS
					VH	-2.62	-0.00103	PASS
					VL	0.17	0.00007	PASS
	10	HCH	TN	VN	-0.34	-0.00013	PASS	
				VH	-0.07	-0.00003	PASS	
				VL	-3.25	-0.0013	PASS	
		LCH	TN	VN	-3.59	-0.00143	PASS	
				VH	-2.66	-0.00106	PASS	
				VL	-2.69	-0.00106	PASS	
	15	MCH	TN	VN	-4.01	-0.00158	PASS	
				VH	-3.16	-0.00125	PASS	
				VL	0.99	0.00039	PASS	
		HCH	TN	VN	-0.41	-0.00016	PASS	
				VH	-0.46	-0.00018	PASS	
				VL	-22.02	-0.00878	PASS	
	20	LCH	TN	VN	-23.05	-0.00919	PASS	
				VH	-37.18	-0.01483	PASS	
				VL	-4.79	-0.00189	PASS	
		MCH	TN	VN	-6.81	-0.00269	PASS	
				VH	-4.94	-0.00195	PASS	
				VL	0.66	0.00026	PASS	
	20	HCH	TN	VN	2.15	0.00084	PASS	
				VH	2.23	0.00087	PASS	
				VL	2.43	0.00097	PASS	
		LCH	TN	VN	2.83	0.00113	PASS	
				VH	1.34	0.00053	PASS	
				VL	-3.96	-0.00156	PASS	
	MCH	TN	VN	-3.99	-0.00157	PASS		
			VH	-2.05	-0.00081	PASS		
			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	0.33	0.00013	PASS
					VH	-0.83	-0.00032	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	-0.07	-0.00003	PASS
					-20	-3.59	-0.00143	PASS
					-10	-0.66	-0.00026	PASS
					0	-1.52	-0.00061	PASS
					10	-2.05	-0.00082	PASS
					20	-0.36	-0.00014	PASS
					30	-0.83	-0.00033	PASS
					40	-1.96	-0.00078	PASS
			50	-2.95	-0.00118	PASS		
			MCH	VN	-30	-3.79	-0.0015	PASS
					-20	-3.15	-0.00124	PASS
					-10	-1.85	-0.00073	PASS
					0	-2.95	-0.00116	PASS
					10	-4.41	-0.00174	PASS
					20	-3.95	-0.00156	PASS
					30	-4.23	-0.00167	PASS
					40	-2.68	-0.00106	PASS
			50	-2.86	-0.00113	PASS		
			HCH	VN	-30	-0.11	-0.00004	PASS
					-20	-0.99	-0.00039	PASS
					-10	0.39	0.00015	PASS
					0	-0.1	-0.00004	PASS
					10	-0.79	-0.00031	PASS
					20	0.04	0.00002	PASS
		30			-0.93	-0.00036	PASS	
		40			1.49	0.00058	PASS	
		50	1.09	0.00042	PASS			
		10	LCH	VN	-30	-3.56	-0.00142	PASS
					-20	-4.12	-0.00164	PASS
					-10	-2.72	-0.00109	PASS
					0	-2.7	-0.00108	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		15			10	-2.82	-0.00113	PASS	
					20	-3.16	-0.00126	PASS	
					30	-3.25	-0.0013	PASS	
					40	-2.03	-0.00081	PASS	
					50	-3.48	-0.00139	PASS	
			MCH	VN	-30	-3.78	-0.00149	PASS	
					-20	-2.86	-0.00113	PASS	
					-10	-3.92	-0.00155	PASS	
					0	-3.71	-0.00146	PASS	
					10	-4.06	-0.0016	PASS	
					20	-5.15	-0.00203	PASS	
					30	-3.16	-0.00125	PASS	
					40	-3.46	-0.00136	PASS	
					50	-2.65	-0.00105	PASS	
					HCH	VN	-30	-2.35	-0.00092
			-20	-1.16			-0.00045	PASS	
			-10	-1.76			-0.00069	PASS	
			0	-0.73			-0.00028	PASS	
			10	-1.57			-0.00061	PASS	
			20	-1.77			-0.00069	PASS	
			30	-0.74			-0.00029	PASS	
		40	-0.46	-0.00018			PASS		
		LCH	VN	-30	-4.71	-0.00188	PASS		
				-20	-2.68	-0.00107	PASS		
				-10	-14.93	-0.00595	PASS		
				0	-15.32	-0.00611	PASS		
				10	-19.58	-0.00781	PASS		
				20	-22.16	-0.00884	PASS		
				30	-22.69	-0.00905	PASS		
				40	-24.76	-0.00987	PASS		
				50	-27.21	-0.01085	PASS		
				MCH	VN	-30	-4.58	-0.00181	PASS
						-20	-2.92	-0.00115	PASS
-10	-4.19					-0.00165	PASS		
0	-2.78	-0.0011	PASS						
10	-3.91	-0.00154	PASS						
20	-2.6	-0.00103	PASS						
30	-3.86	-0.00152	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-3.42	-0.00135	PASS		
					50	-3.73	-0.00147	PASS		
			HCH	VN	-30	1.06	0.00041	PASS		
					-20	1.12	0.00044	PASS		
					-10	0.36	0.00014	PASS		
					0	0.73	0.00028	PASS		
					10	-0.24	-0.00009	PASS		
					20	-1.67	-0.00065	PASS		
					30	-0.99	-0.00039	PASS		
					40	0.21	0.00008	PASS		
		50	1.03	0.0004	PASS					
					LCH	VN	-30	2.43	0.00097	PASS
							-20	1.96	0.00078	PASS
							-10	2	0.0008	PASS
							0	1.4	0.00056	PASS
							10	1.54	0.00061	PASS
							20	2.46	0.00098	PASS
							30	1.23	0.00049	PASS
							40	1.66	0.00066	PASS
							50	1.93	0.00077	PASS
										MCH
		-20	-4.06	-0.0016	PASS					
		-10	-3.5	-0.00138	PASS					
		0	-4.72	-0.00186	PASS					
		10	-3.48	-0.00137	PASS					
		20	-5.76	-0.00227	PASS					
		30	-3.76	-0.00148	PASS					
		40	-6.02	-0.00237	PASS					
		50	-4.42	-0.00174	PASS					
					HCH	VN				
							-20	0.59	0.00023	PASS
							-10	0.83	0.00032	PASS
							0	-0.5	-0.0002	PASS
							10	1.37	0.00054	PASS
							20	-0.17	-0.00007	PASS
							30	0.24	0.00009	PASS
							40	-1.03	-0.0004	PASS
		50	-0.37	-0.00014	PASS					
		LTE/TM2	5	LCH	VN	-30	-0.4	-0.00016	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10			-20	-0.36	-0.00014	PASS	
					-10	-0.96	-0.00038	PASS	
					0	-2.26	-0.0009	PASS	
					10	-3.32	-0.00133	PASS	
					20	-2.75	-0.0011	PASS	
					30	-4.75	-0.0019	PASS	
					40	-2.86	-0.00114	PASS	
					50	-2.85	-0.00114	PASS	
			MCH	VN	-30	-3.96	-0.00156	PASS	
					-20	-3.4	-0.00134	PASS	
					-10	-3.48	-0.00137	PASS	
					0	-3.56	-0.0014	PASS	
					10	-2.66	-0.00105	PASS	
					20	-3.18	-0.00125	PASS	
					30	-2.15	-0.00085	PASS	
					40	-2.8	-0.0011	PASS	
			HCH	VN	-30	0.54	0.00021	PASS	
					-20	-0.01	0	PASS	
					-10	-0.01	0	PASS	
					0	0.34	0.00013	PASS	
					10	1.27	0.00049	PASS	
					20	-0.39	-0.00015	PASS	
					30	1.7	0.00066	PASS	
					40	-0.47	-0.00018	PASS	
			10	LCH	VN	-30	-2.32	-0.00093	PASS
						-20	-2.73	-0.00109	PASS
						-10	-3.39	-0.00135	PASS
						0	-2.13	-0.00085	PASS
		10				-2.26	-0.0009	PASS	
		20				-1.87	-0.00075	PASS	
		30				-1.12	-0.00045	PASS	
		40				-1.95	-0.00078	PASS	
		50		-2.86	-0.00114	PASS			
		MCH		VN	-30	-2.56	-0.00101	PASS	
					-20	-2.12	-0.00084	PASS	
					-10	-1.6	-0.00063	PASS	
			0		-2.32	-0.00092	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-3.1	-0.00122	PASS		
					20	-2.82	-0.00111	PASS		
					30	-2.72	-0.00107	PASS		
					40	-2.82	-0.00111	PASS		
					50	-3.56	-0.0014	PASS		
			HCH	VN	-30	-1	-0.00039	PASS		
					-20	-0.93	-0.00036	PASS		
					-10	-1.62	-0.00063	PASS		
					0	-1.12	-0.00044	PASS		
					10	-0.46	-0.00018	PASS		
					20	0.31	0.00012	PASS		
					30	-0.97	-0.00038	PASS		
					40	-2.32	-0.0009	PASS		
					50	-1.8	-0.0007	PASS		
					LCH	VN	-30	0.84	0.00033	PASS
							-20	-4.82	-0.00192	PASS
							-10	-5.66	-0.00226	PASS
							0	-3.75	-0.0015	PASS
		10	-3.48	-0.00139			PASS			
		20	-9.31	-0.00371			PASS			
		30	-11.69	-0.00466			PASS			
		40	-10.56	-0.00421			PASS			
		50	-13.42	-0.00535			PASS			
		MCH	VN	-30			-8.63	-0.0034	PASS	
				-20	-10.69	-0.00422	PASS			
				-10	-7.4	-0.00292	PASS			
				0	-10.96	-0.00432	PASS			
				10	-10.16	-0.00401	PASS			
				20	-9.48	-0.00374	PASS			
				30	-11.57	-0.00456	PASS			
				40	-8.27	-0.00326	PASS			
				50	-8.33	-0.00329	PASS			
		HCH	VN	-30	-0.13	-0.00005	PASS			
				-20	0.09	0.00004	PASS			
				-10	0.57	0.00022	PASS			
				0	1.67	0.00065	PASS			
				10	0.37	0.00014	PASS			
				20	1.02	0.0004	PASS			
				30	0.87	0.00034	PASS			
		15					-30	0.84	0.00033	PASS
							-20	-4.82	-0.00192	PASS
							-10	-5.66	-0.00226	PASS
0	-3.75						-0.0015	PASS		
10	-3.48						-0.00139	PASS		
LCH	VN				20	-9.31	-0.00371	PASS		
					30	-11.69	-0.00466	PASS		
					40	-10.56	-0.00421	PASS		
					50	-13.42	-0.00535	PASS		
					-30	-8.63	-0.0034	PASS		
		-20	-10.69		-0.00422	PASS				
		-10	-7.4		-0.00292	PASS				
		0	-10.96		-0.00432	PASS				
		10	-10.16		-0.00401	PASS				
MCH	VN	20	-9.48		-0.00374	PASS				
		30	-11.57		-0.00456	PASS				
		40	-8.27		-0.00326	PASS				
		50	-8.33		-0.00329	PASS				
		-30	-0.13	-0.00005	PASS					
		-20	0.09	0.00004	PASS					
		-10	0.57	0.00022	PASS					
		0	1.67	0.00065	PASS					
		10	0.37	0.00014	PASS					
HCH	VN	20	1.02	0.0004	PASS					
		30	0.87	0.00034	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-1.9	-0.00074	PASS
					50	-0.86	-0.00034	PASS
		20	LCH	VN	-30	1.16	0.00046	PASS
					-20	1.17	0.00047	PASS
					-10	2.22	0.00088	PASS
					0	2.43	0.00097	PASS
					10	1.12	0.00045	PASS
					20	1.49	0.00059	PASS
					30	1.26	0.0005	PASS
					40	1.33	0.00053	PASS
					50	2.22	0.00088	PASS
					MCH	VN	-30	-2.86
			-20	-3.81			-0.0015	PASS
			-10	-4.62			-0.00182	PASS
			0	-3.92			-0.00155	PASS
			10	-4.51			-0.00178	PASS
			20	-2.88			-0.00114	PASS
			30	-5.78			-0.00228	PASS
			40	-1.9			-0.00075	PASS
			HCH	VN	50	-7.01	-0.00277	PASS
					-30	0.14	0.00005	PASS
					-20	0.44	0.00017	PASS
					-10	-0.54	-0.00021	PASS
					0	-1.77	-0.00069	PASS
					10	0.16	0.00006	PASS
					20	-0.69	-0.00027	PASS
					30	-0.72	-0.00028	PASS
			40	-0.24	-0.00009	PASS		
						50	-0.87	-0.00034

END