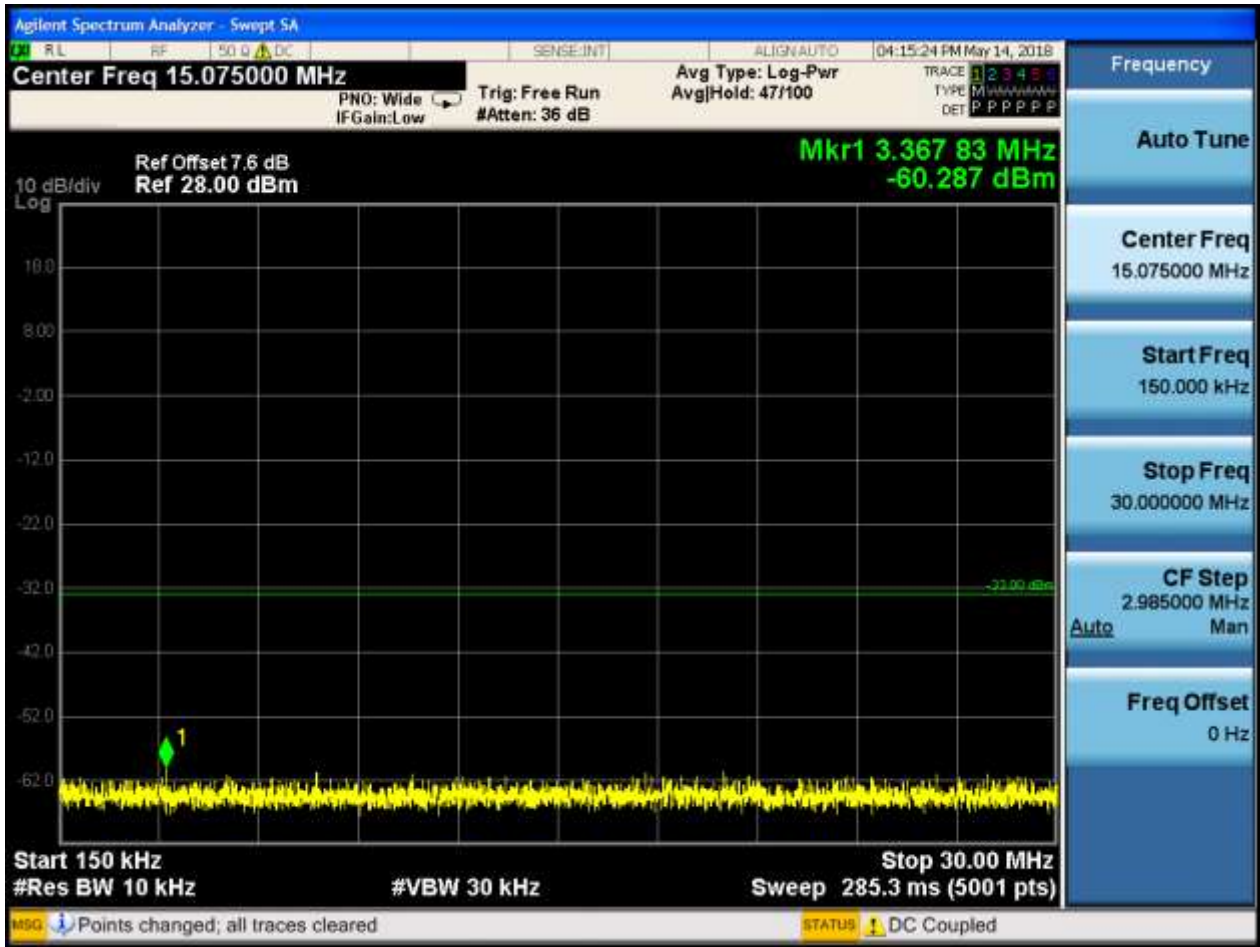
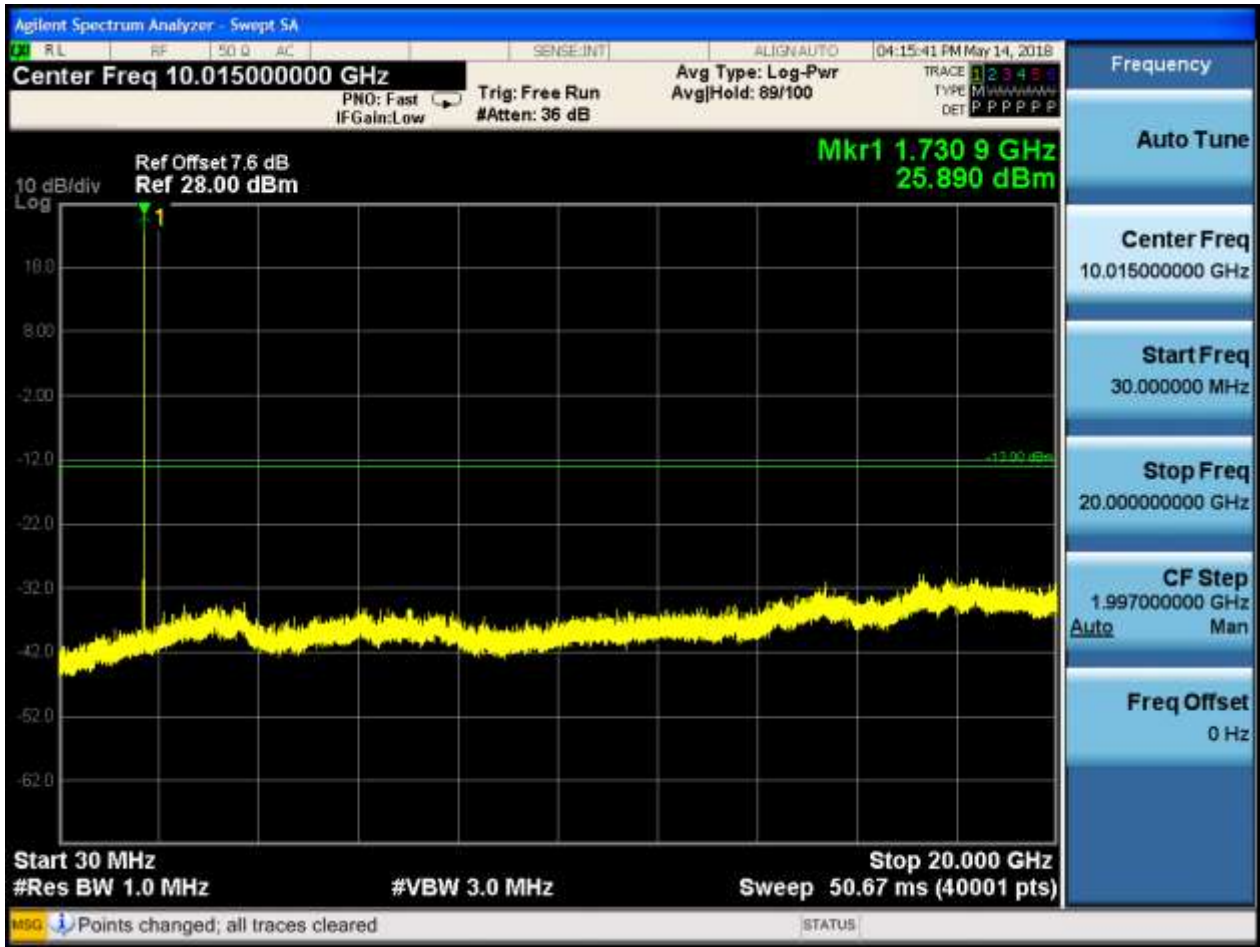


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

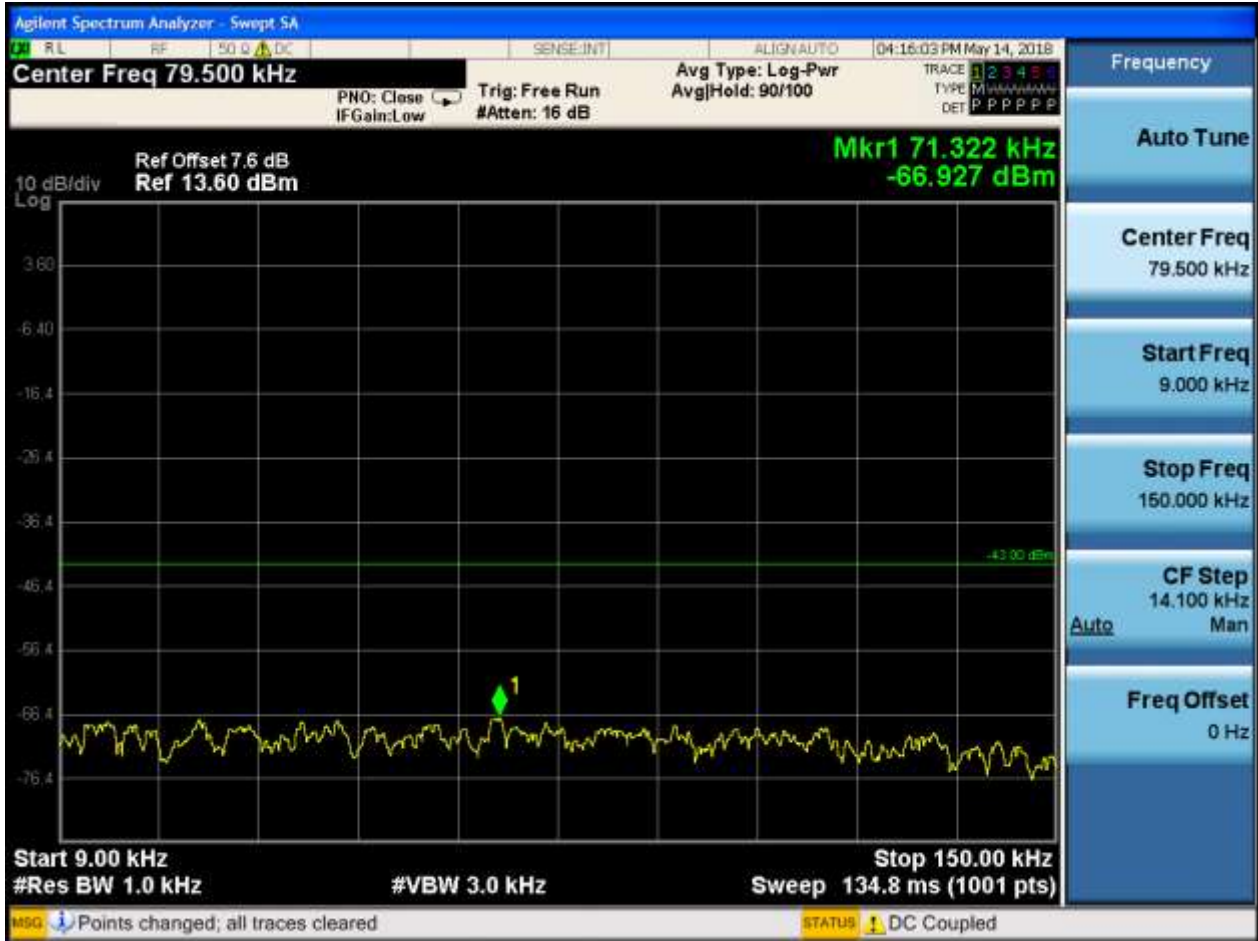


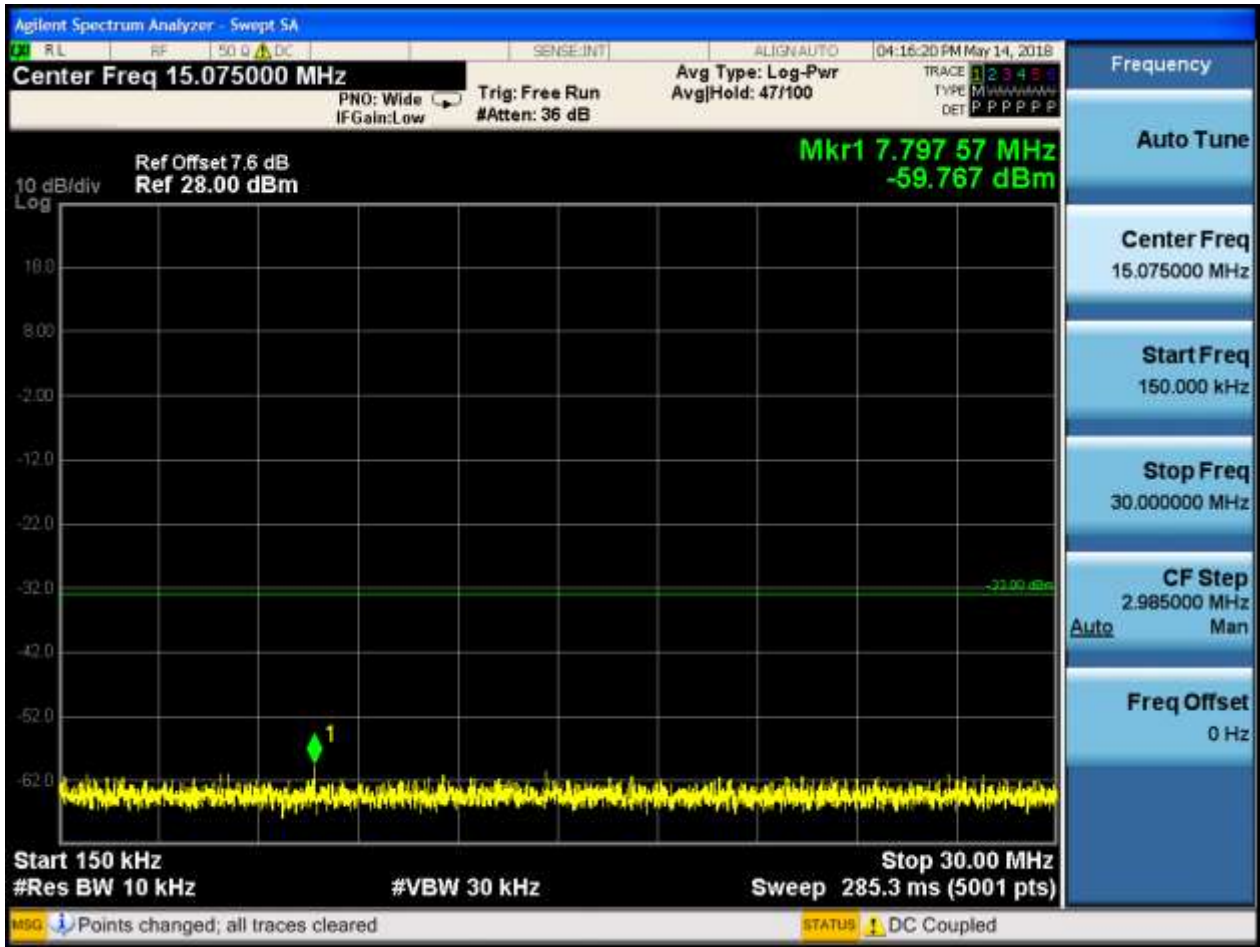




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





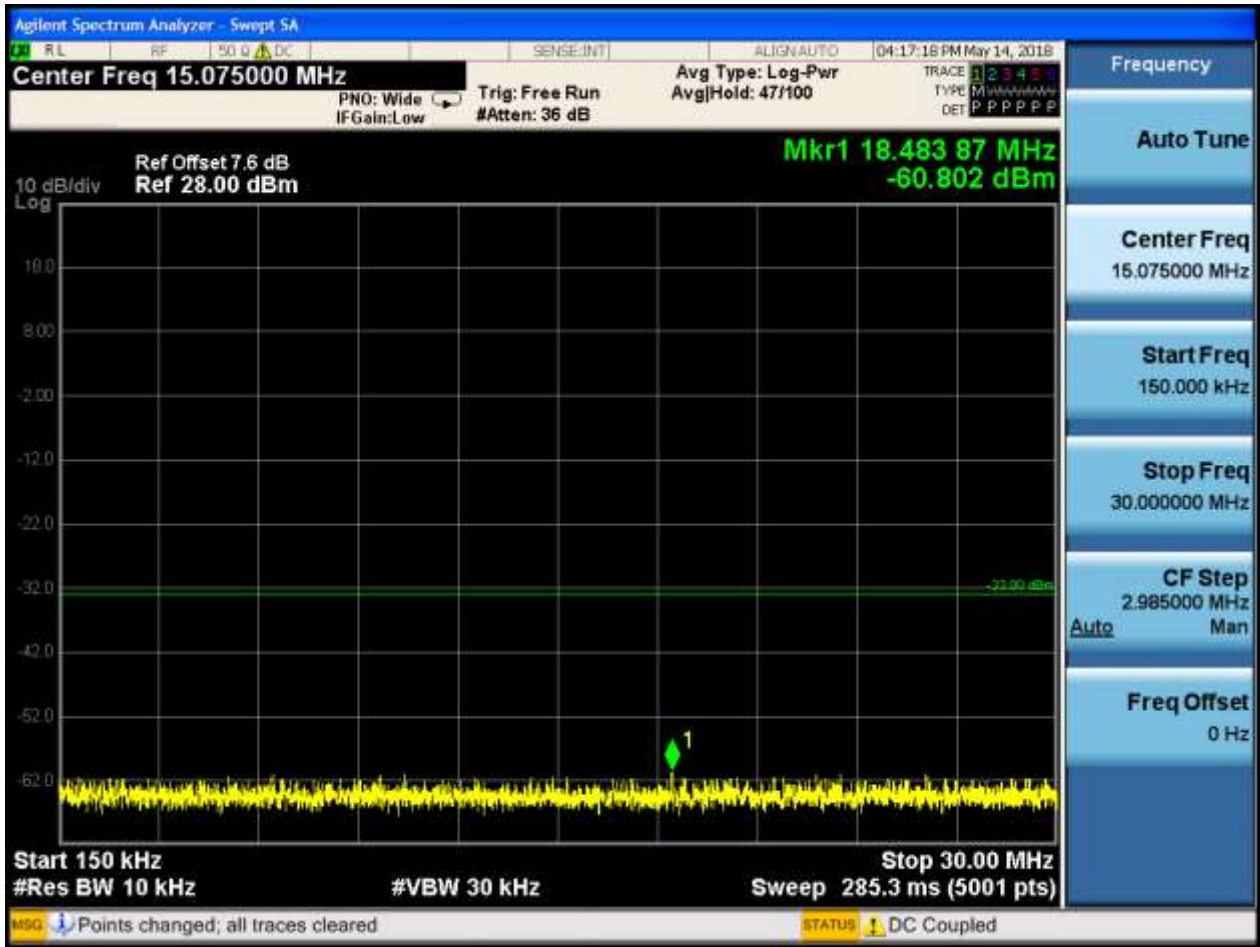


6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



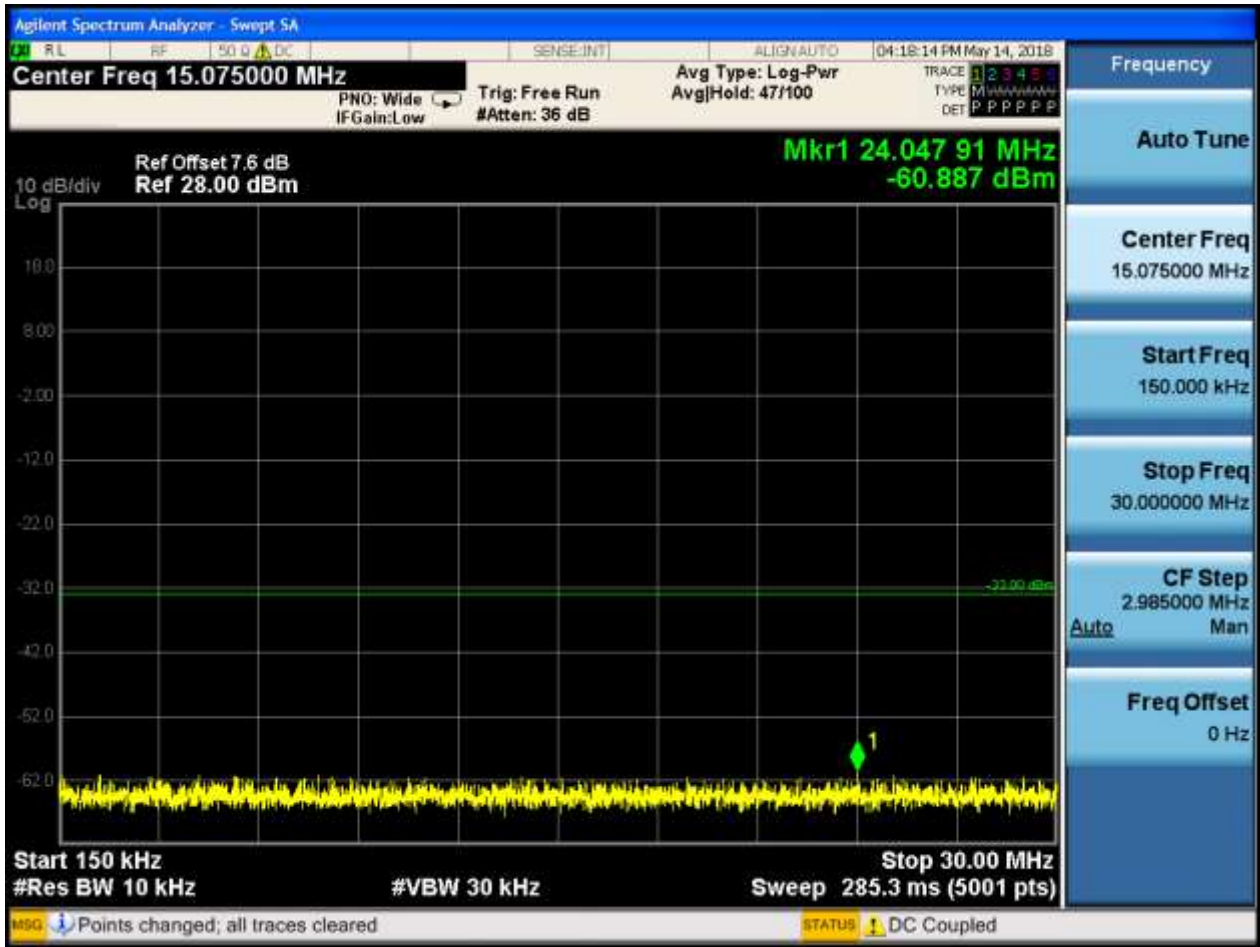




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



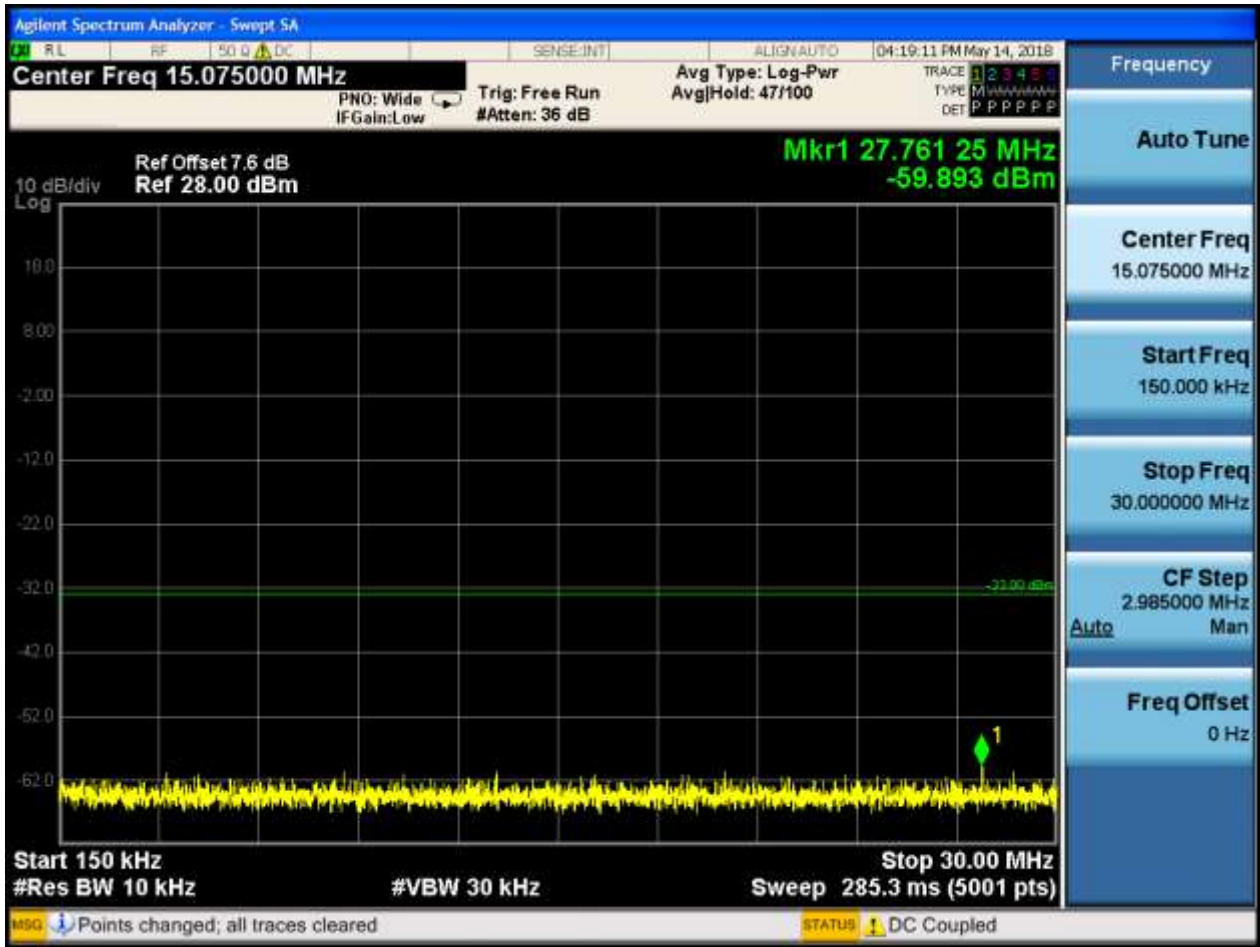


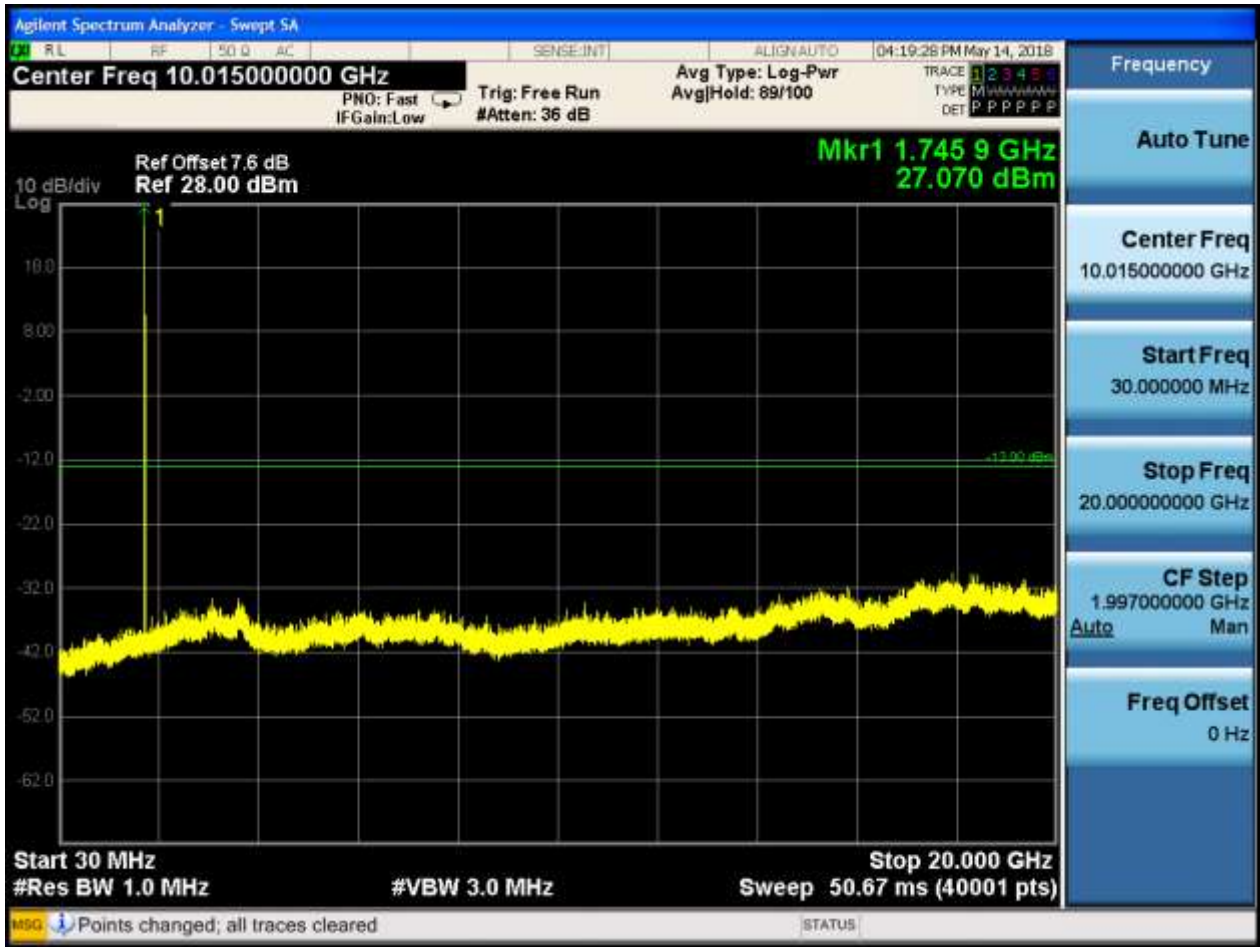


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







6.1.1.2.5 Test Bandwidth = 15

6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0



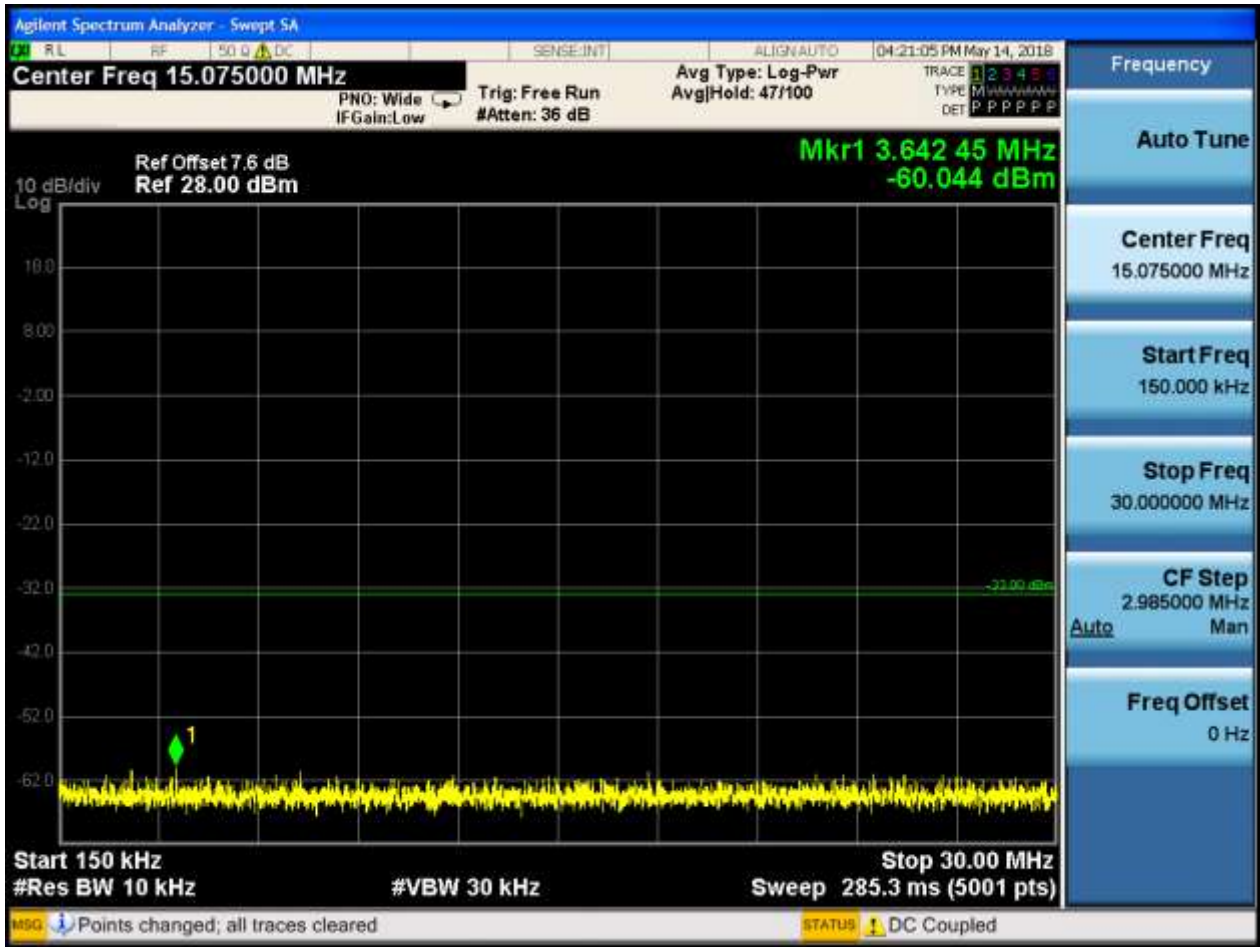




6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0

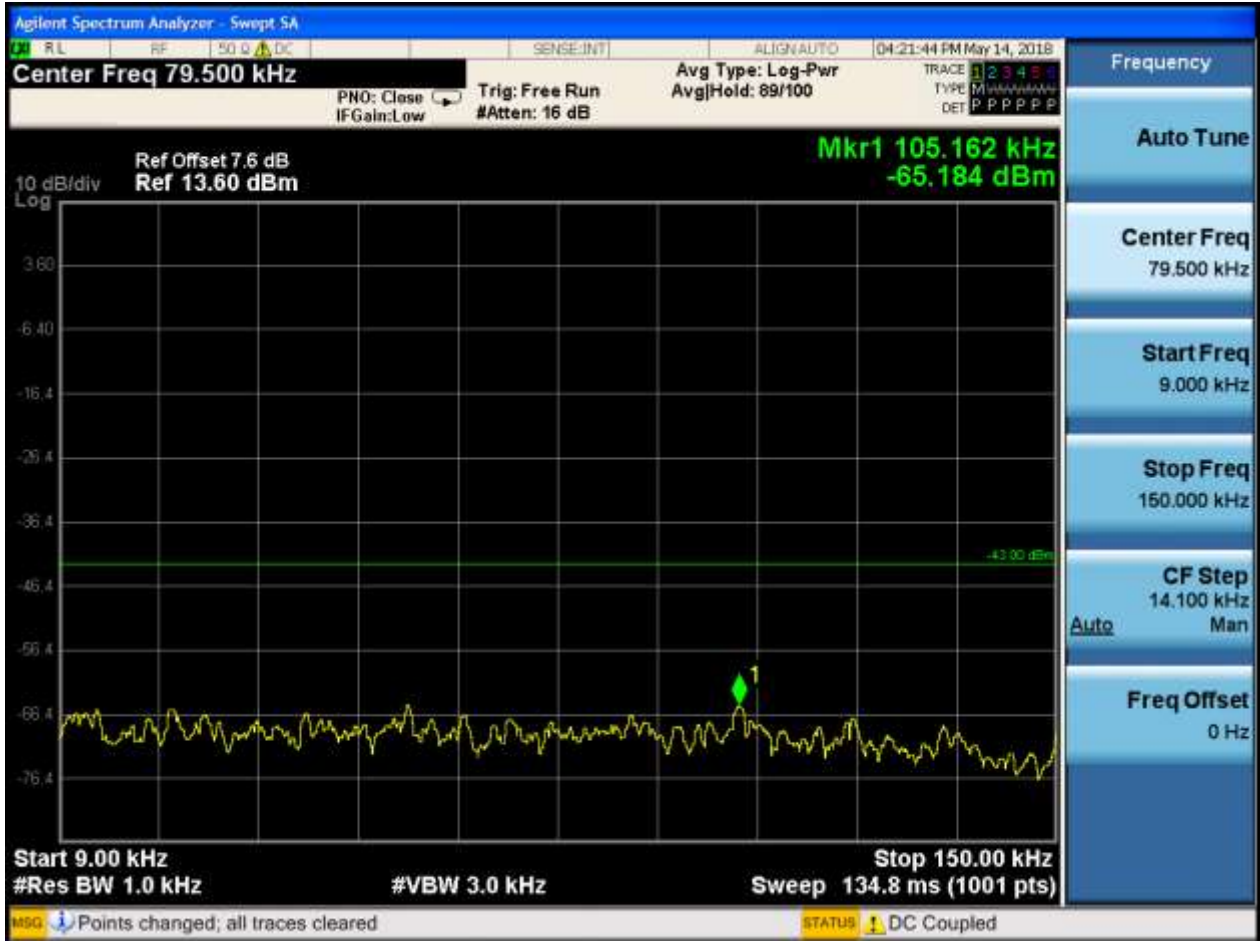


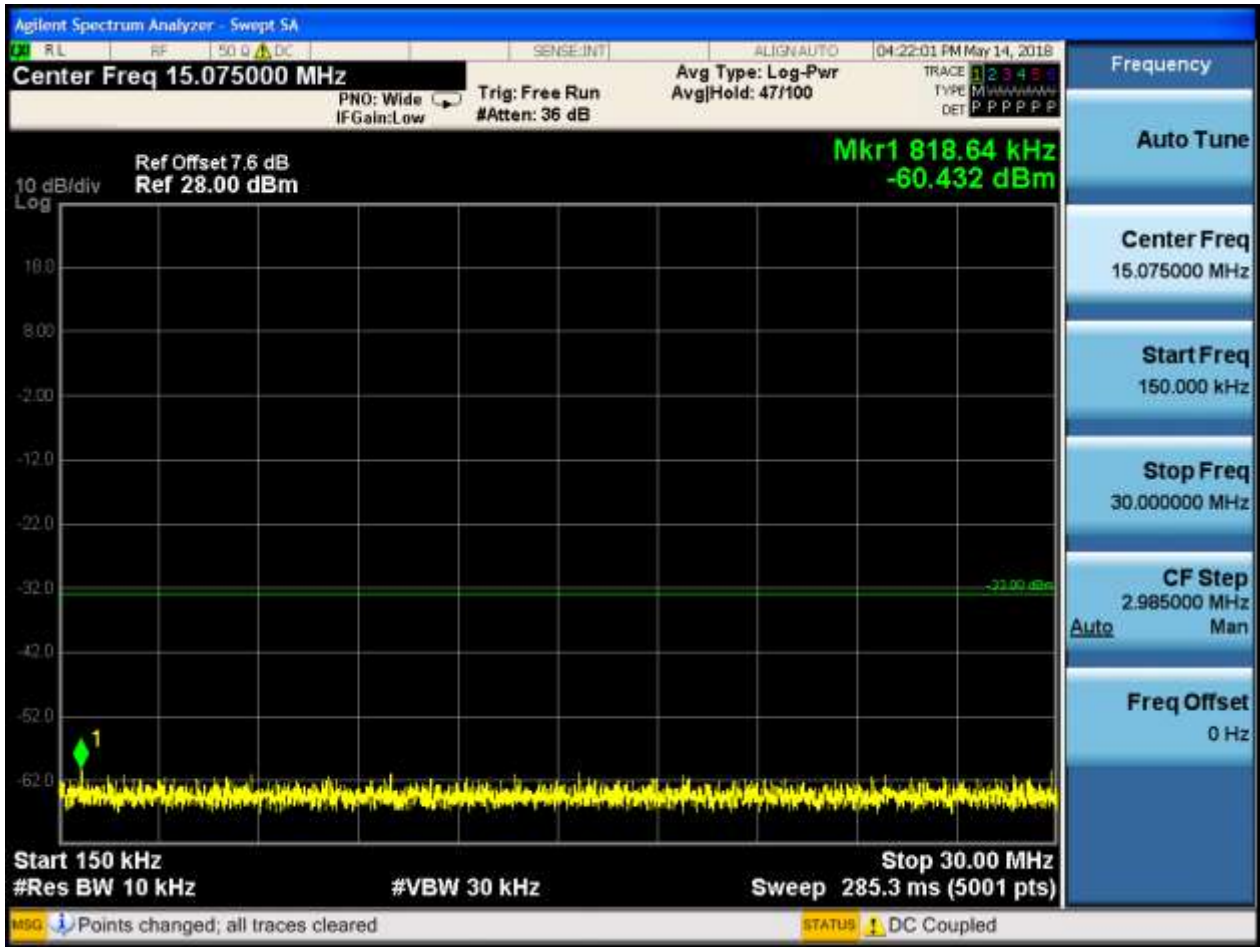




6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0





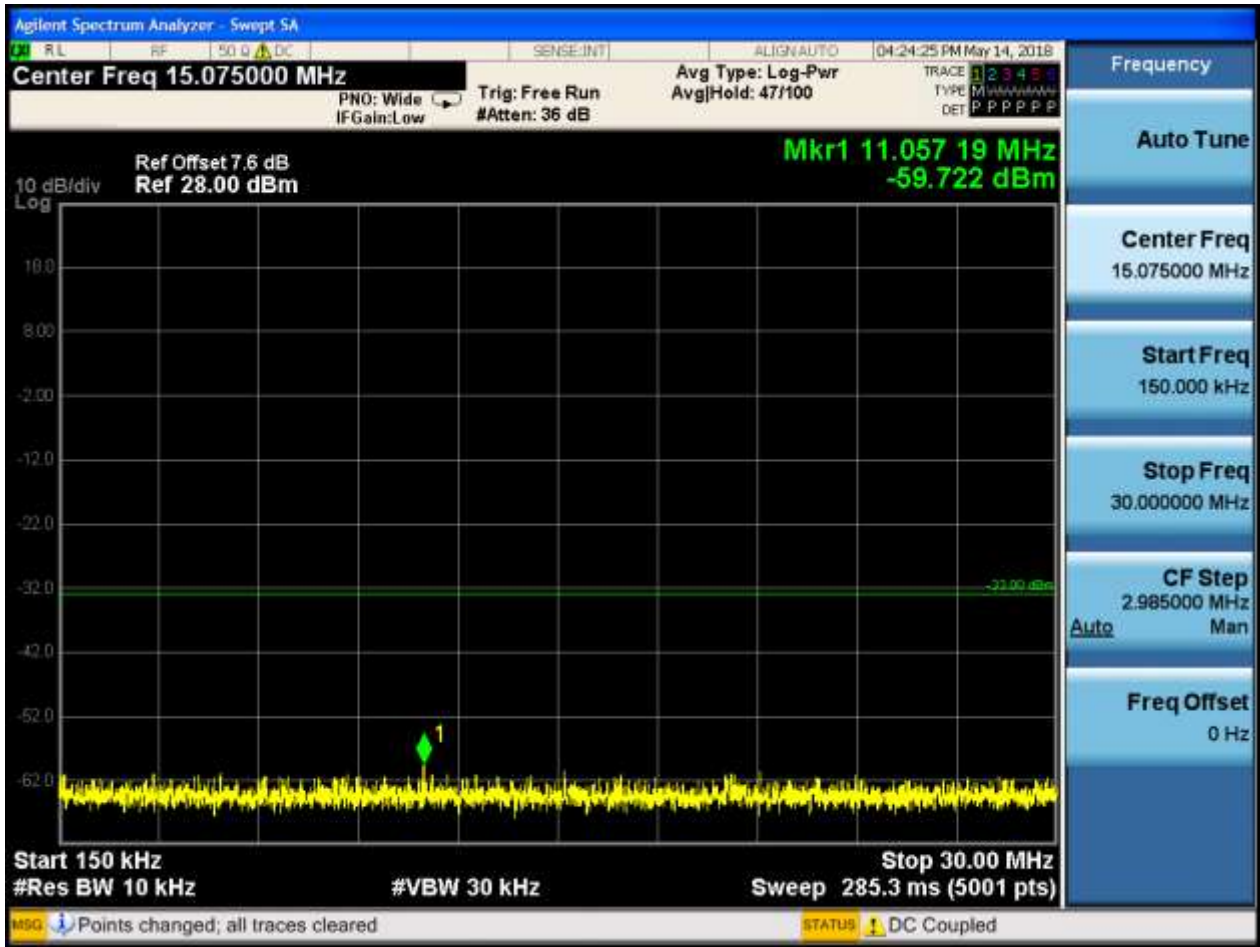


6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0

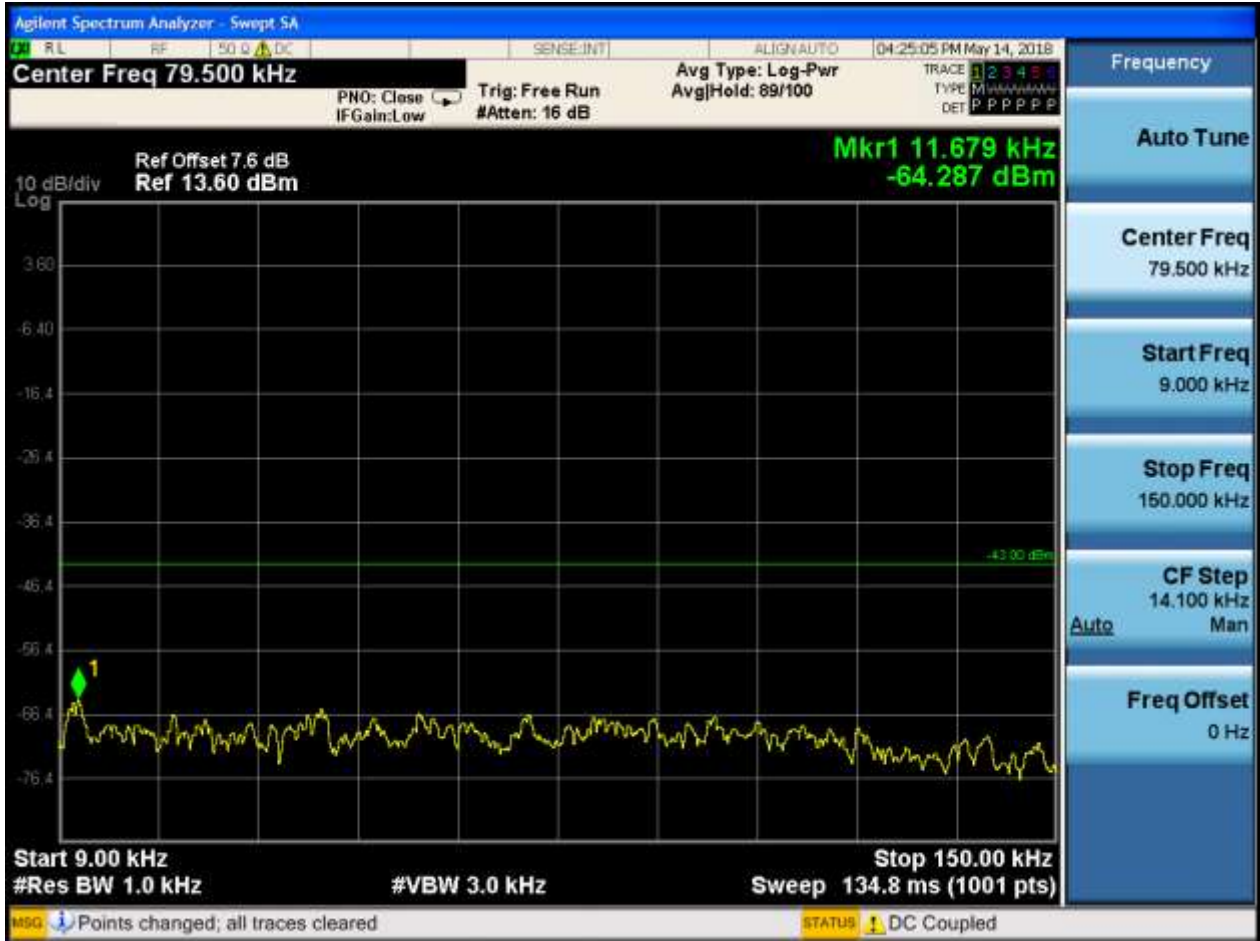


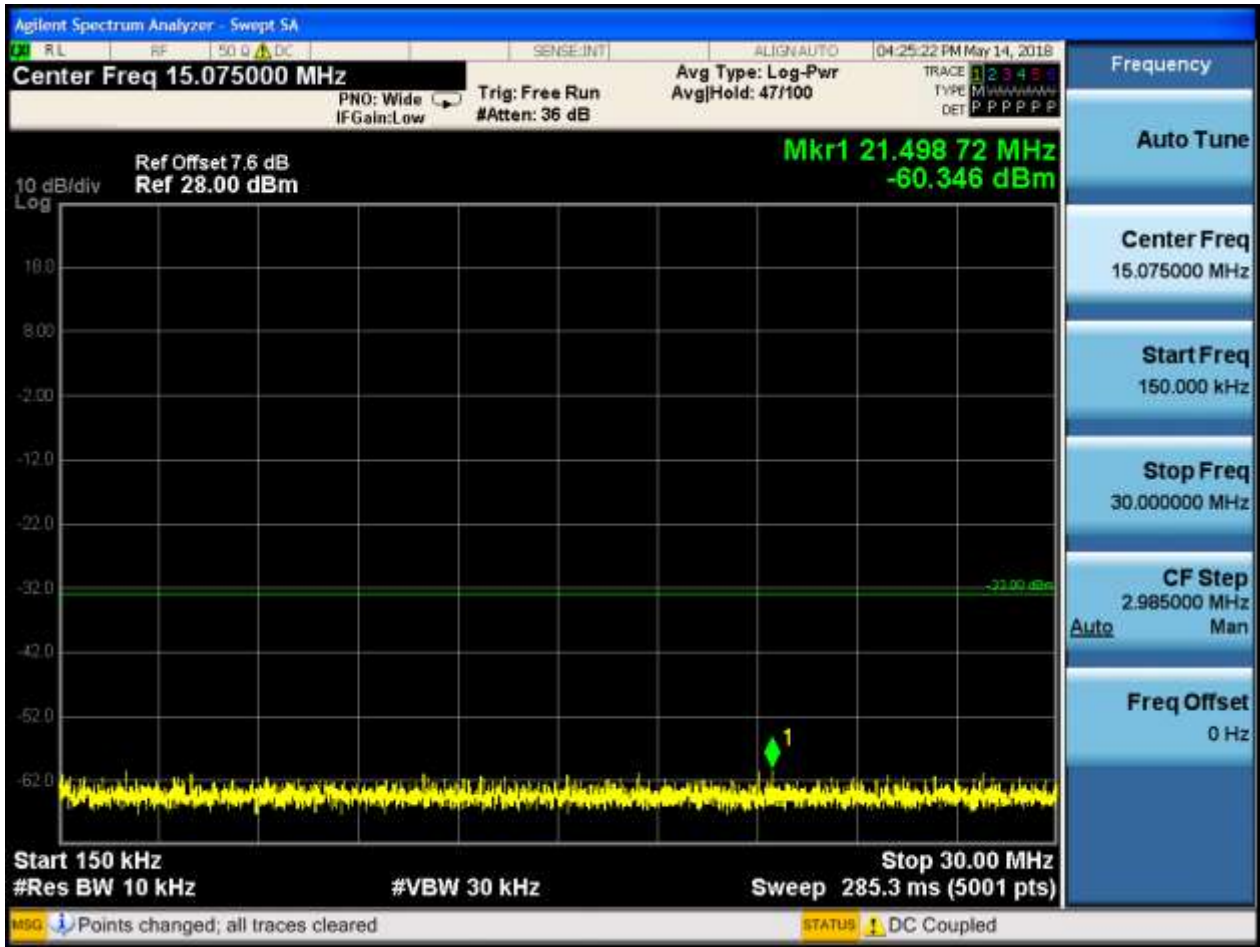


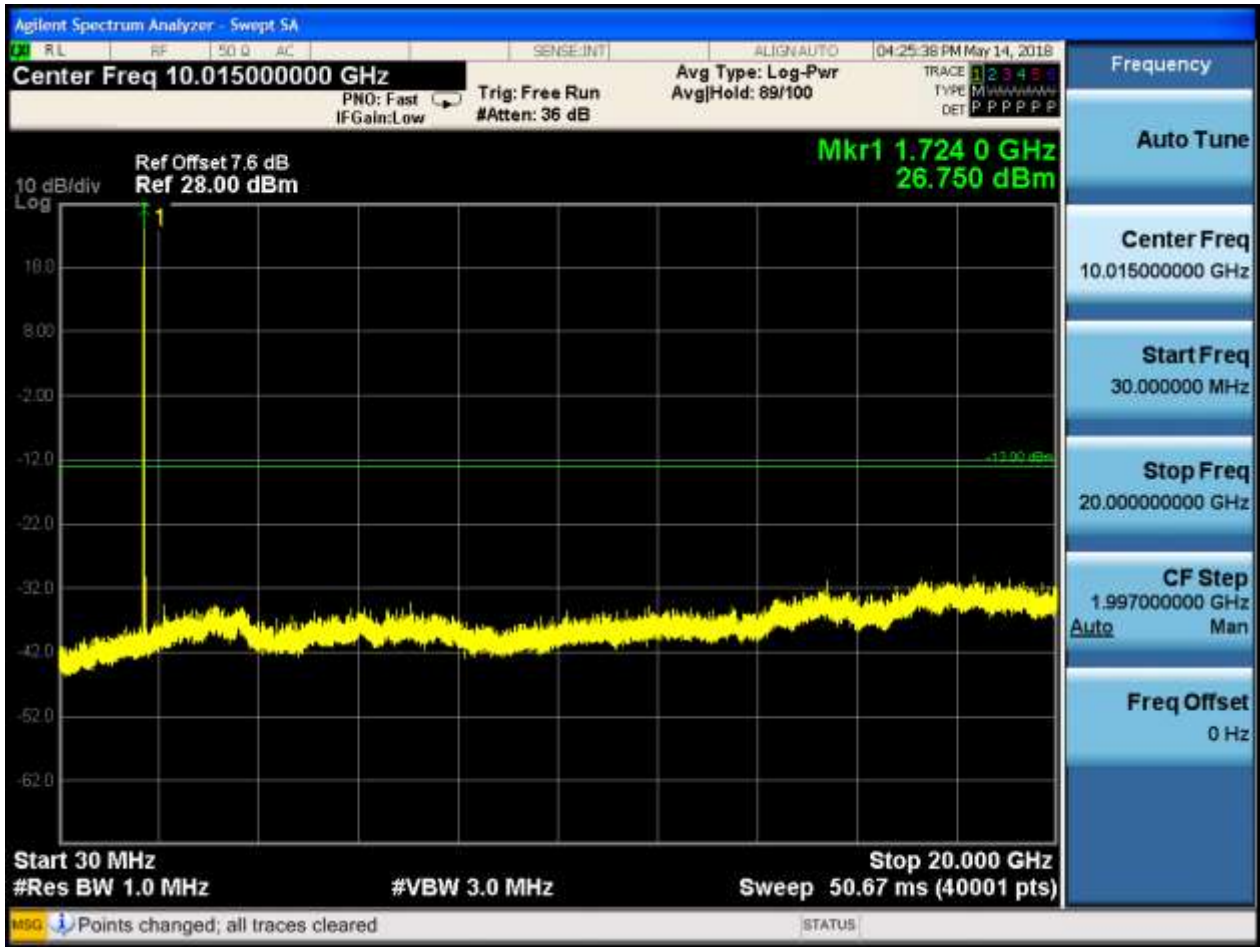


6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0

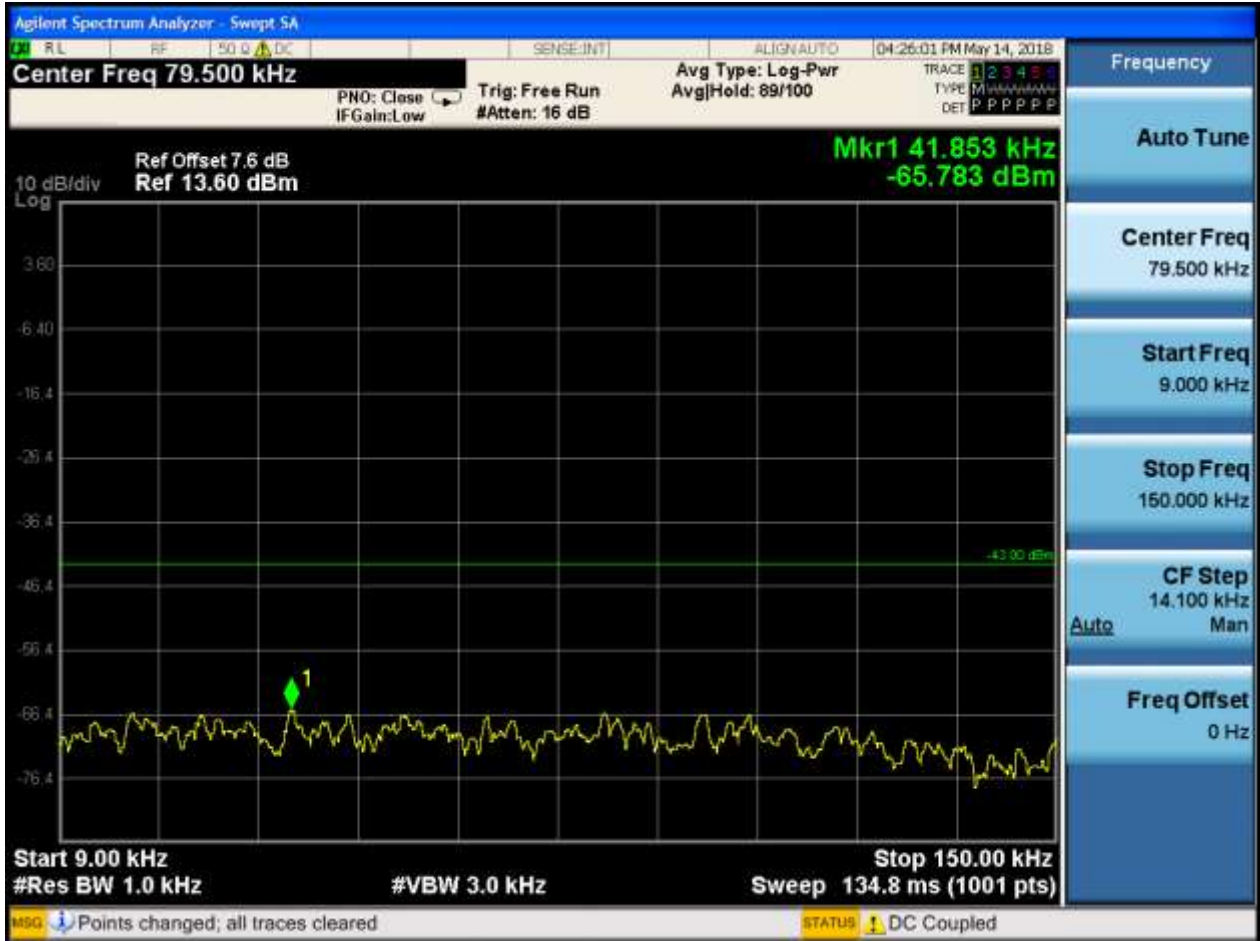


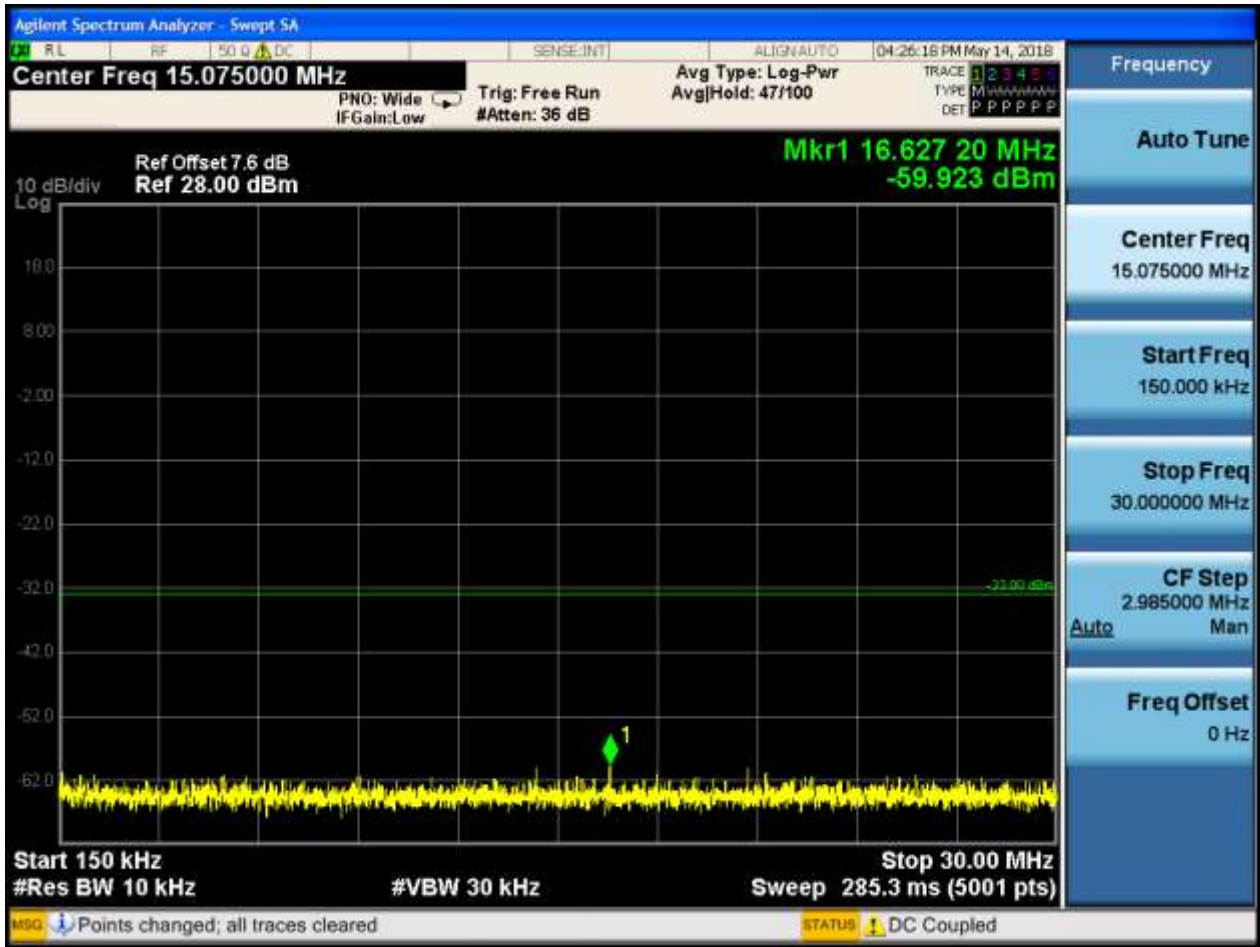




6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 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

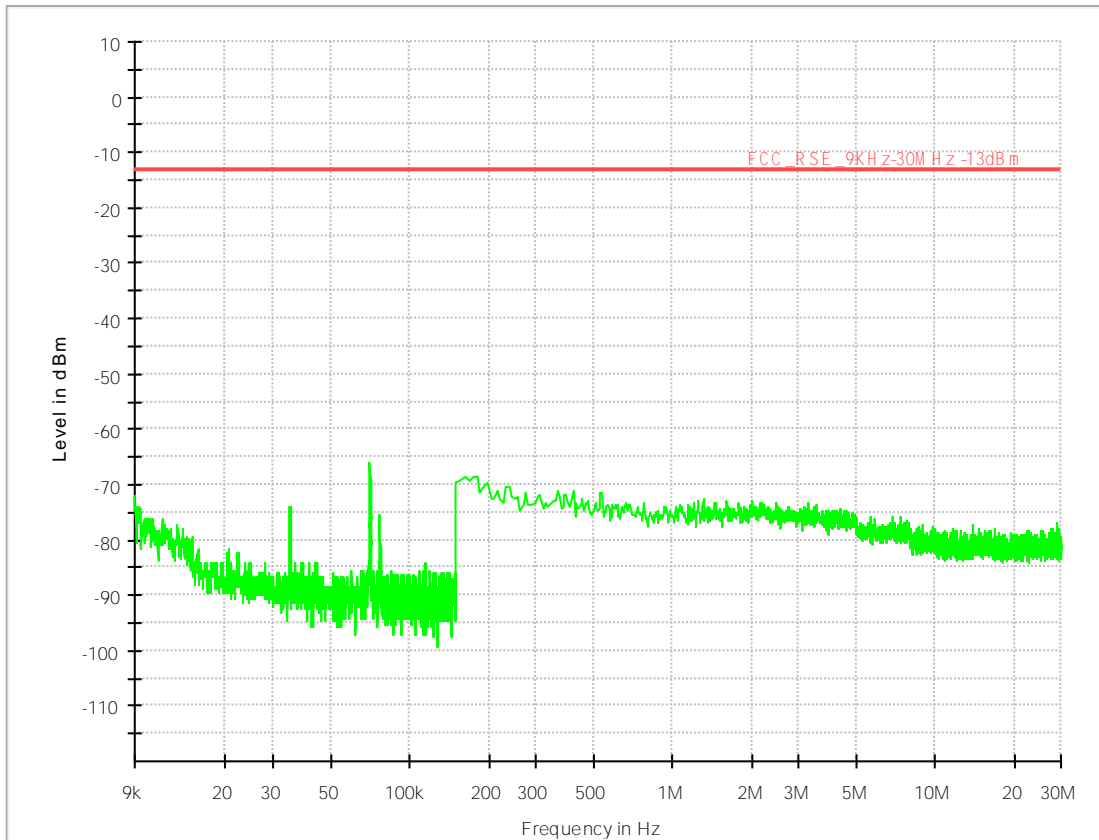


Part I - Test Plots

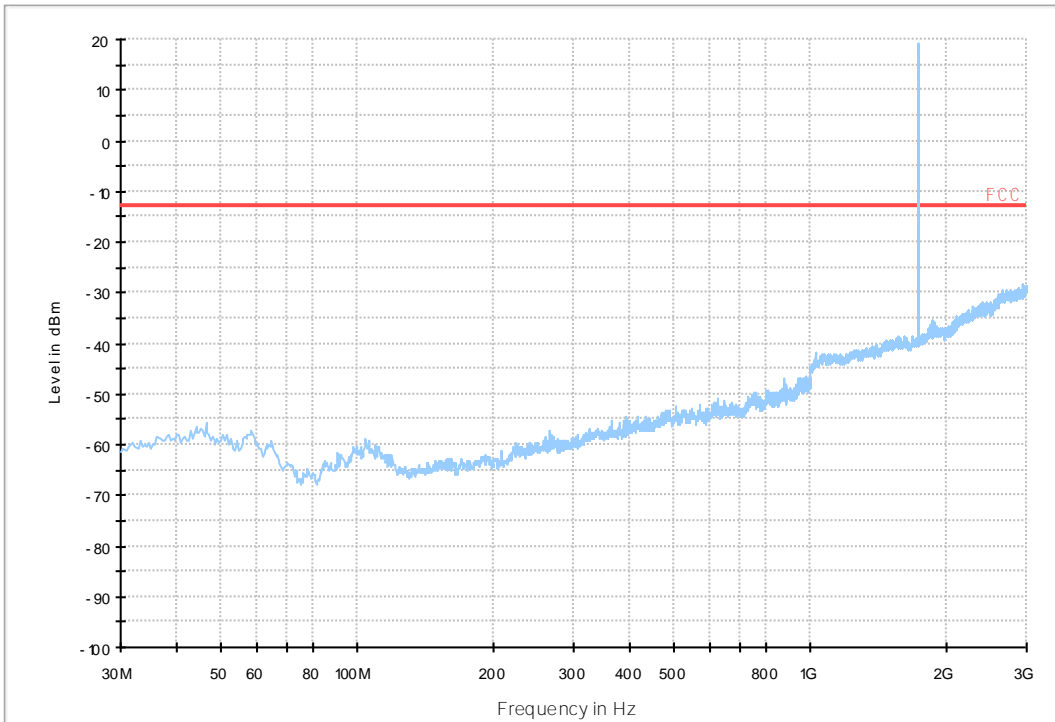
7.1 For LTE

7.1.1 Test Band = BAND4

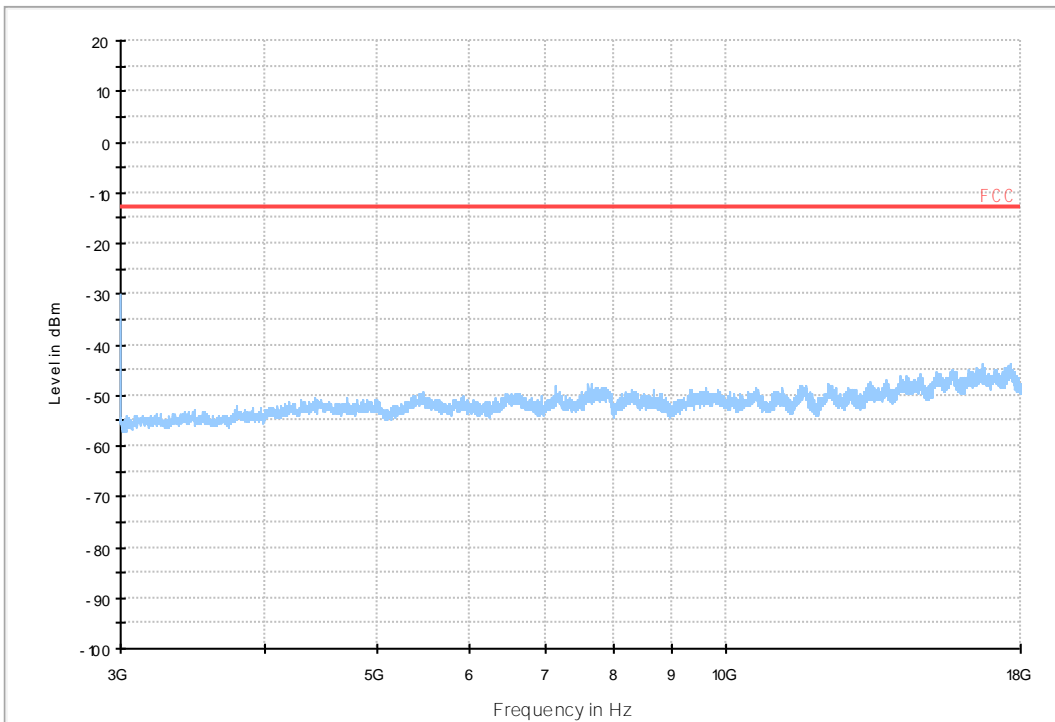
7.1.1.1 Test Bandwidth = 1.4



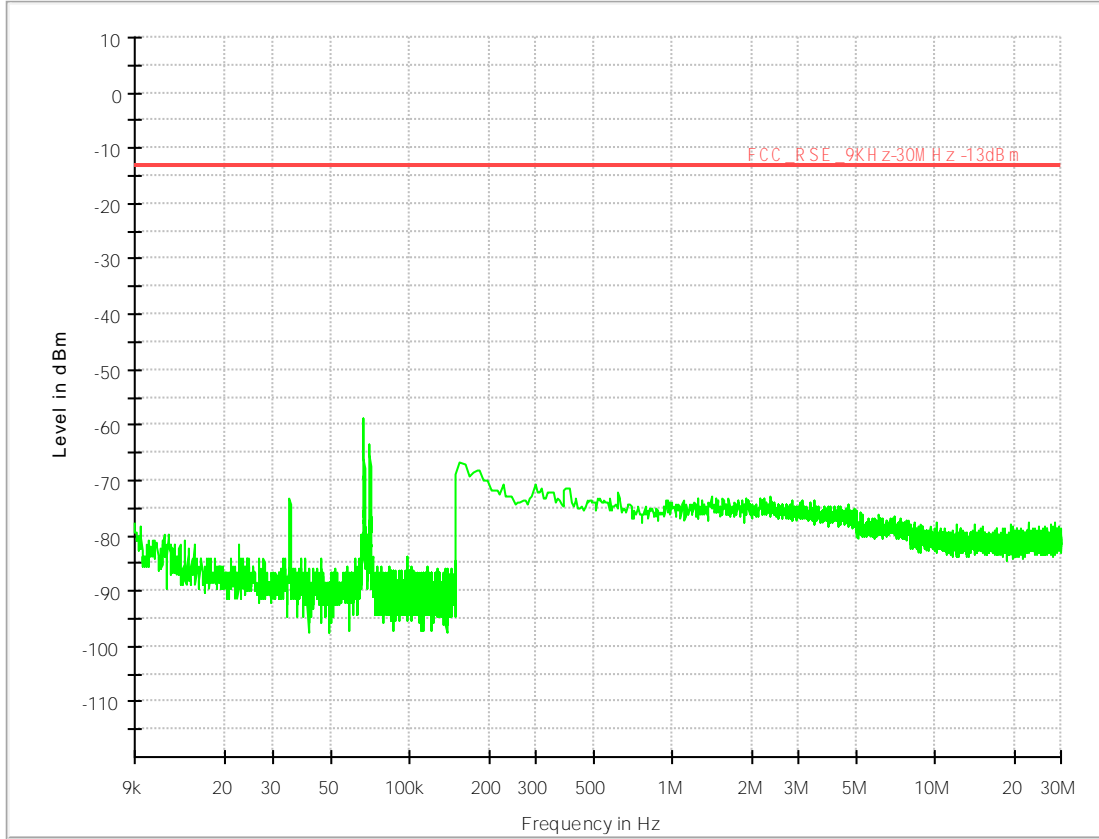
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



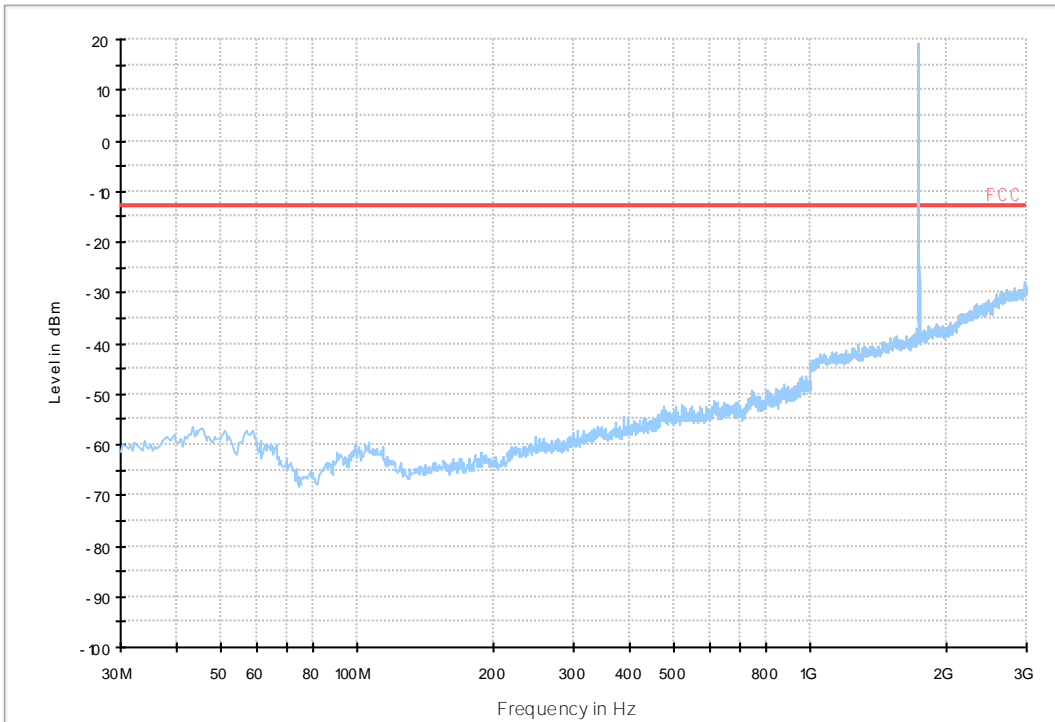
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



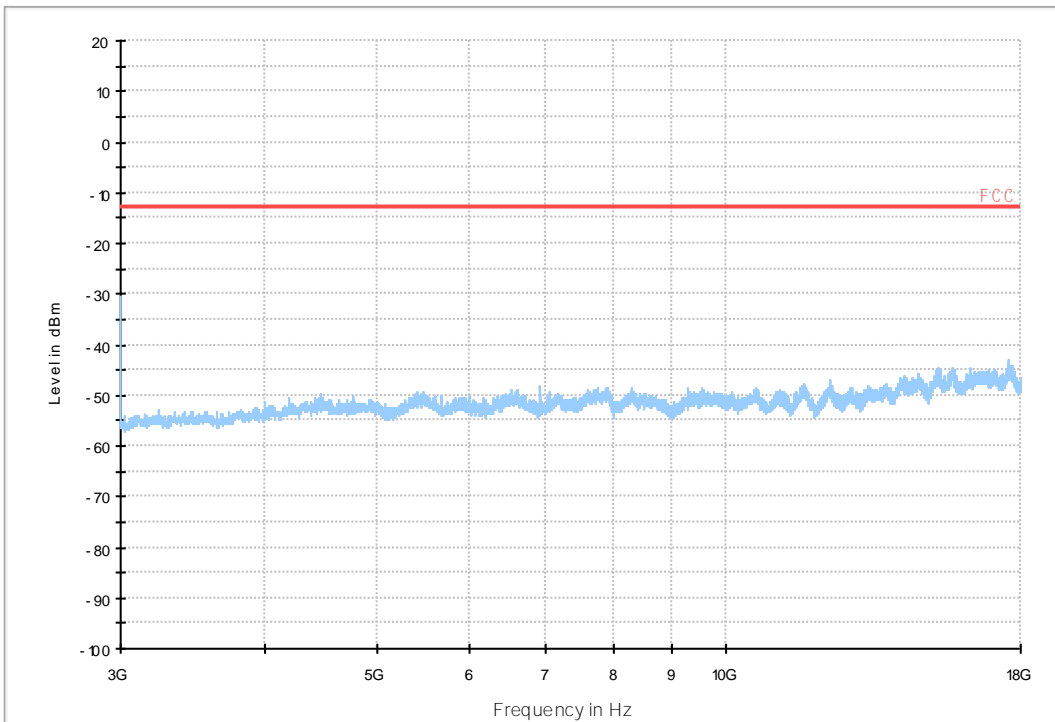
7.1.1.2 Test Bandwidth = 5



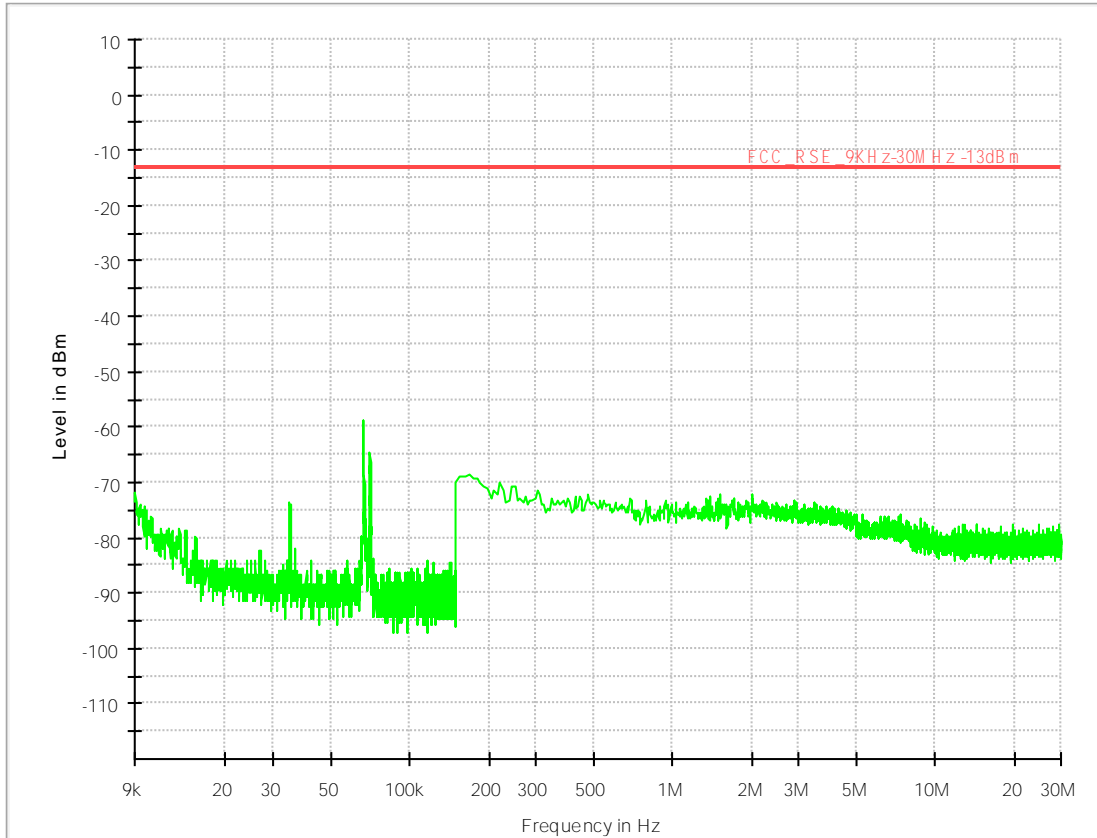
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



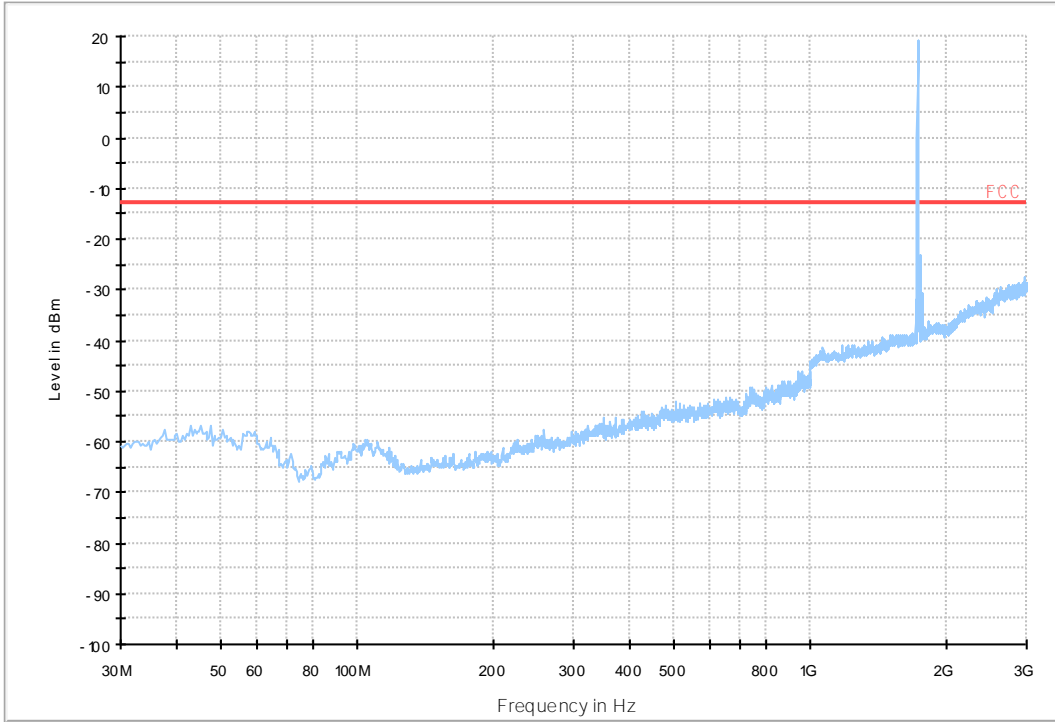
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



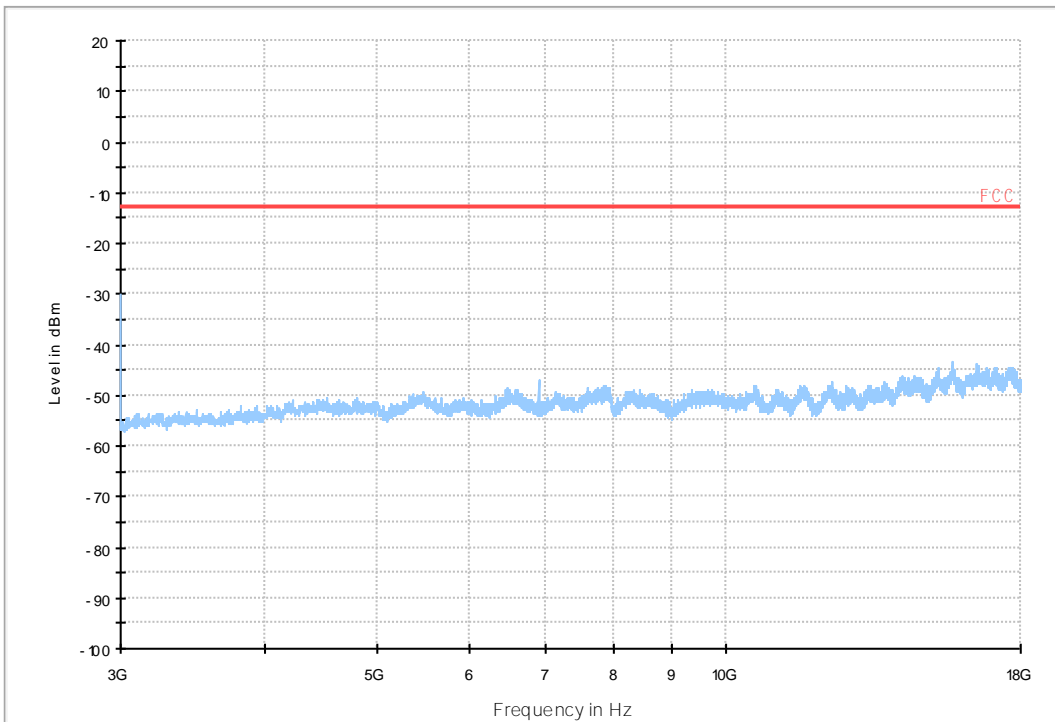
7.1.1.3 Test Bandwidth = 20



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD 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
BAND4	LTE/TM1	1.4	LCH	TN	VL	0.3	0.00018	PASS
					VN	1.66	0.00097	PASS
					VH	-0.4	-0.00023	PASS
			MCH	TN	VL	-1.47	-0.00085	PASS
					VN	-0.06	-0.00003	PASS
					VH	1.69	0.00098	PASS
			HCH	TN	VL	-1.82	-0.00104	PASS
					VN	-0.56	-0.00032	PASS
					VH	-1.82	-0.00104	PASS
		3	LCH	TN	VL	0.59	0.00034	PASS
					VN	0.34	0.0002	PASS
					VH	-0.21	-0.00012	PASS
			MCH	TN	VL	-53.73	-0.03101	PASS
					VN	-1.34	-0.00077	PASS
					VH	-26.26	-0.01516	PASS
			HCH	TN	VL	-0.79	-0.00045	PASS
					VN	-0.8	-0.00046	PASS
					VH	-2.05	-0.00117	PASS
		5	LCH	TN	VL	0.96	0.00056	PASS
					VN	-1.06	-0.00062	PASS
					VH	0.43	0.00025	PASS
			MCH	TN	VL	-29.57	-0.01707	PASS
					VN	-24.75	-0.01429	PASS
					VH	-21.44	-0.01238	PASS
			HCH	TN	VL	-2.98	-0.0017	PASS
					VN	-4.12	-0.00235	PASS
					VH	-5.11	-0.00292	PASS
		10	LCH	TN	VL	-2.42	-0.00141	PASS
					VN	-3.36	-0.00196	PASS
					VH	-2.32	-0.00135	PASS
				MCH	TN	VL	-13.13	-0.00758



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
	LTE/TM2	15	HCH	TN	VN	-9.58	-0.00553	PASS			
					VH	-12.52	-0.00723	PASS			
					VL	0.86	0.00049	PASS			
					VN	1.9	0.00109	PASS			
					VH	1.57	0.0009	PASS			
					VL	0.14	0.00008	PASS			
			LCH	TN	VN	-0.1	-0.00006	PASS			
					VH	-0.59	-0.00034	PASS			
					MCH	TN	VL	9.16	0.00529	PASS	
							VN	7.6	0.00439	PASS	
							VH	11.84	0.00683	PASS	
					HCH	TN	VL	-1.22	-0.0007	PASS	
		VN	-1.43	-0.00082			PASS				
		VH	-0.9	-0.00052			PASS				
		20	LCH	TN	VL	1.07	0.00062	PASS			
					VN	0.41	0.00024	PASS			
					VH	0.59	0.00034	PASS			
					MCH	TN	VL	11.12	0.00642	PASS	
							VN	11.33	0.00654	PASS	
							VH	11.76	0.00679	PASS	
			HCH	TN	VL	-1.82	-0.00104	PASS			
					VN	-2.22	-0.00127	PASS			
					VH	-1.67	-0.00096	PASS			
			1.4	LCH	TN	VL	0.67	0.00039	PASS		
						VN	1.69	0.00099	PASS		
						VH	1.23	0.00072	PASS		
		MCH				TN	VL	1.12	0.00065	PASS	
							VN	1.2	0.00069	PASS	
							VH	0.96	0.00055	PASS	
		HCH		TN	VL	-2.45	-0.0014	PASS			
					VN	-0.74	-0.00042	PASS			
					VH	-3.68	-0.0021	PASS			
		3		LCH	TN	VL	0.96	0.00056	PASS		
						VN	0.44	0.00026	PASS		
						VH	0.64	0.00037	PASS		
						MCH	TN	VL	-0.27	-0.00016	PASS
								VN	9.96	0.00575	PASS
								VH	6.15	0.00355	PASS
		HCH		TN	VL	-0.72	-0.00041	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-1.39	-0.00079	PASS
					VH	-0.21	-0.00012	PASS
		5	LCH	TN	VL	2.2	0.00128	PASS
					VN	2.93	0.00171	PASS
					VH	0.9	0.00053	PASS
			MCH	TN	VL	15.38	0.00888	PASS
					VN	9.71	0.0056	PASS
					VH	5.97	0.00345	PASS
			HCH	TN	VL	-1.54	-0.00088	PASS
					VN	-3.62	-0.00207	PASS
					VH	-2.16	-0.00123	PASS
		10	LCH	TN	VL	-2.96	-0.00173	PASS
					VN	-3.59	-0.00209	PASS
					VH	-3.28	-0.00191	PASS
			MCH	TN	VL	21.72	0.01254	PASS
					VN	21.39	0.01235	PASS
					VH	22.17	0.0128	PASS
			HCH	TN	VL	1.86	0.00106	PASS
					VN	0.96	0.00055	PASS
					VH	1.9	0.00109	PASS
		15	LCH	TN	VL	0.5	0.00029	PASS
					VN	0.16	0.00009	PASS
					VH	-0.66	-0.00038	PASS
			MCH	TN	VL	10.33	0.00596	PASS
					VN	8.55	0.00494	PASS
					VH	6.49	0.00375	PASS
			HCH	TN	VL	-0.79	-0.00045	PASS
					VN	0.5	0.00029	PASS
					VH	-0.5	-0.00029	PASS
		20	LCH	TN	VL	1.12	0.00065	PASS
					VN	1.65	0.00096	PASS
					VH	1.52	0.00088	PASS
			MCH	TN	VL	1.1	0.00063	PASS
					VN	-0.66	-0.00038	PASS
					VH	-2.5	-0.00144	PASS
			HCH	TN	VL	-3.06	-0.00175	PASS
					VN	-3.35	-0.00192	PASS
					VH	-3.26	-0.00187	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
BAND4	LTE/TM1	1.4	LCH	VN	-30	1.36	0.00079	PASS
					-20	3.02	0.00177	PASS
					-10	1.17	0.00068	PASS
					0	-0.24	-0.00014	PASS
					10	0.72	0.00042	PASS
					20	-1.32	-0.00077	PASS
					30	0.4	0.00023	PASS
					40	1.62	0.00095	PASS
					50	-1.22	-0.00071	PASS
			MCH	VN	-30	-0.47	-0.00027	PASS
					-20	-1.33	-0.00077	PASS
					-10	0.2	0.00012	PASS
					0	0.56	0.00032	PASS
					10	0.7	0.0004	PASS
					20	0.2	0.00012	PASS
					30	0.27	0.00016	PASS
					40	0.73	0.00042	PASS
					50	-0.92	-0.00053	PASS
		HCH	VN	-30	-1.83	-0.00104	PASS	
				-20	-7.01	-0.004	PASS	
				-10	-2.02	-0.00115	PASS	
				0	-4.19	-0.00239	PASS	
				10	-3.69	-0.0021	PASS	
				20	-2.66	-0.00152	PASS	
				30	-5.19	-0.00296	PASS	
				40	-1.13	-0.00064	PASS	
				50	-3.4	-0.00194	PASS	
		3	LCH	VN	-30	-1	-0.00058	PASS
					-20	1.33	0.00078	PASS
					-10	-0.46	-0.00027	PASS
0	-0.33				-0.00019	PASS		
10	-1.4				-0.00082	PASS		
20	-1				-0.00058	PASS		
30	-1.4				-0.00082	PASS		
40	0.06				0.00004	PASS		
50	1.22				0.00071	PASS		
MCH	VN		-30	0.94	0.00054	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	-3.23	-0.00184	PASS			
					20	-3.49	-0.00199	PASS			
					30	-1.69	-0.00096	PASS			
					40	-4.28	-0.00244	PASS			
					50	-2.7	-0.00154	PASS			
					10	LCH	VN	-30	-3.09	-0.0018	PASS
								-20	-2.7	-0.00157	PASS
								-10	-3.19	-0.00186	PASS
								0	-2.92	-0.0017	PASS
								10	-2.32	-0.00135	PASS
		20	-1.54	-0.0009				PASS			
		30	-3.05	-0.00178				PASS			
		40	-2.5	-0.00146				PASS			
		50	-2	-0.00117				PASS			
		10	MCH	VN				-30	-10.89	-0.00629	PASS
					-20	-12.95	-0.00747	PASS			
					-10	-13.96	-0.00806	PASS			
					0	-12.67	-0.00731	PASS			
					10	-15.55	-0.00898	PASS			
					20	-14.96	-0.00863	PASS			
					30	-15.01	-0.00866	PASS			
					40	-12.56	-0.00725	PASS			
					50	-11.2	-0.00646	PASS			
					10	HCH	VN	-30	2	0.00114	PASS
		-20	2.1	0.0012				PASS			
		-10	1.46	0.00083				PASS			
		0	1.87	0.00107				PASS			
		10	2.29	0.00131				PASS			
		20	-0.57	-0.00033				PASS			
		30	1.96	0.00112				PASS			
		40	2.26	0.00129				PASS			
		50	1.27	0.00073				PASS			
		15	LCH	VN				-30	-0.41	-0.00024	PASS
-20	-0.11				-0.00006	PASS					
-10	-0.14				-0.00008	PASS					
0	-0.21				-0.00012	PASS					
10	-0.31				-0.00018	PASS					
20	-1.04				-0.00061	PASS					
30	0.11				0.00006	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-0.36	-0.00021	PASS
					50	0.14	0.00008	PASS
			MCH	VN	-30	-14.02	-0.00809	PASS
					-20	-13.36	-0.00771	PASS
					-10	-12.82	-0.0074	PASS
					0	-12.95	-0.00747	PASS
					10	-16.06	-0.00927	PASS
					20	-16.68	-0.00963	PASS
					30	-12.1	-0.00698	PASS
					40	-12.4	-0.00716	PASS
			50	-11.57	-0.00668	PASS		
			HCH	VN	-30	0.17	0.0001	PASS
					-20	-0.03	-0.00002	PASS
					-10	-0.03	-0.00002	PASS
					0	0.69	0.00039	PASS
					10	1.13	0.00065	PASS
					20	0.92	0.00053	PASS
					30	-0.06	-0.00003	PASS
					40	-0.44	-0.00025	PASS
			20	LCH	VN	-30	1.2	0.0007
		-20				1.03	0.0006	PASS
		-10				1.97	0.00115	PASS
		0				1.65	0.00096	PASS
		10				1.24	0.00072	PASS
		20				1.67	0.00097	PASS
		30				2.2	0.00128	PASS
		40				1.34	0.00078	PASS
		50				1.56	0.00091	PASS
		MCH				VN	-30	-4.01
				-20	-2.33		-0.00134	PASS
				-10	-2.75		-0.00159	PASS
				0	-2.59		-0.00149	PASS
				10	-3.16		-0.00182	PASS
				20	-2.45		-0.00141	PASS
				30	-1.56		-0.0009	PASS
				40	-1.3		-0.00075	PASS
		50		-0.5	-0.00029	PASS		
		HCH		VN	-30	-2.6	-0.00149	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	-1.22	-0.0007	PASS		
					-10	-2.99	-0.00171	PASS		
					0	-2.25	-0.00129	PASS		
					10	-2.68	-0.00154	PASS		
					20	-3.15	-0.00181	PASS		
					30	-2.72	-0.00156	PASS		
					40	-1.69	-0.00097	PASS		
					50	-2.92	-0.00167	PASS		
	LTE/TM2	1.4	LCH	VN	-30	1.66	0.00097	PASS		
					-20	1.37	0.0008	PASS		
					-10	0.86	0.0005	PASS		
					0	0.82	0.00048	PASS		
					10	1.86	0.00109	PASS		
					20	4.48	0.00262	PASS		
					30	5.16	0.00302	PASS		
					40	6.29	0.00368	PASS		
					50	-0.41	-0.00024	PASS		
					MCH	VN	-30	0.57	0.00033	PASS
							-20	1.1	0.00063	PASS
							-10	1.85	0.00107	PASS
							0	1.12	0.00065	PASS
							10	1.24	0.00072	PASS
							20	-0.43	-0.00025	PASS
							30	0.64	0.00037	PASS
			40	0.26			0.00015	PASS		
			HCH	VN	-30	-3.46	-0.00197	PASS		
					-20	-2.76	-0.00157	PASS		
					-10	-1.99	-0.00113	PASS		
					0	-2.95	-0.00168	PASS		
					10	-1.75	-0.001	PASS		
					20	-4.01	-0.00229	PASS		
					30	-0.86	-0.00049	PASS		
40	-4.38	-0.0025			PASS					
50	-2.59	-0.00148	PASS							
3	LCH	VN	-30	0.11	0.00006	PASS				
			-20	-0.39	-0.00023	PASS				
			-10	-0.86	-0.0005	PASS				
			0	-0.54	-0.00032	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.07	0.00004	PASS
					20	1.87	0.00109	PASS
					30	0.72	0.00042	PASS
					40	-1.19	-0.0007	PASS
					50	1.26	0.00074	PASS
			MCH	VN	-30	-1.54	-0.00089	PASS
					-20	-14.1	-0.00814	PASS
					-10	-14.46	-0.00835	PASS
					0	0.43	0.00025	PASS
					10	9.68	0.00559	PASS
					20	3.98	0.0023	PASS
					30	11.32	0.00653	PASS
			HCH	VN	40	-5.54	-0.0032	PASS
					50	-10.07	-0.00581	PASS
					-30	-0.14	-0.00008	PASS
					-20	1.8	0.00103	PASS
					-10	1.23	0.0007	PASS
					0	1.54	0.00088	PASS
					10	0.6	0.00034	PASS
			5	LCH	VN	20	-0.62	-0.00035
		30				1.16	0.00066	PASS
		40				0.24	0.00014	PASS
		50				1.39	0.00079	PASS
		-30				0.11	0.00006	PASS
		-20				2.52	0.00147	PASS
		-10				1.26	0.00074	PASS
		0				1.59	0.00093	PASS
		10				1.2	0.0007	PASS
		20				1.09	0.00064	PASS
		MCH		VN	30	0.2	0.00012	PASS
					40	0.93	0.00054	PASS
					50	0.2	0.00012	PASS
							-30	-4.39
-20	-7.5						-0.00433	PASS
-10	-16.57						-0.00956	PASS
0	-5.35						-0.00309	PASS
10	-3.15						-0.00182	PASS
20	5.87						0.00339	PASS
30	5.51						0.00318	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-2.65	-0.00153	PASS		
					50	-11.96	-0.0069	PASS		
			HCH	VN	-30	-5.36	-0.00306	PASS		
					-20	-5.84	-0.00333	PASS		
					-10	-3.98	-0.00227	PASS		
					0	-4.99	-0.00285	PASS		
					10	-4.21	-0.0024	PASS		
					20	-4.23	-0.00241	PASS		
					30	-3.75	-0.00214	PASS		
					40	-5.01	-0.00286	PASS		
		50	-4.19	-0.00239	PASS					
					LCH	VN	-30	-3.05	-0.00178	PASS
							-20	-2.37	-0.00138	PASS
							-10	-1.97	-0.00115	PASS
							0	-3.59	-0.00209	PASS
							10	-2.47	-0.00144	PASS
							20	-2.72	-0.00159	PASS
							30	-3.22	-0.00188	PASS
							40	-2.66	-0.00155	PASS
							50	-1.69	-0.00099	PASS
										MCH
		-20	-18.47	-0.01066	PASS					
		-10	-17.37	-0.01003	PASS					
		0	-23.73	-0.0137	PASS					
		10	-18.91	-0.01091	PASS					
		20	-20.43	-0.01179	PASS					
		30	-19.53	-0.01127	PASS					
		40	-17.27	-0.00997	PASS					
		50	-20.94	-0.01209	PASS					
					HCH	VN				
							-20	1.32	0.00075	PASS
							-10	1.83	0.00105	PASS
							0	1.93	0.0011	PASS
							10	2.46	0.00141	PASS
							20	0.93	0.00053	PASS
							30	1.34	0.00077	PASS
							40	2.02	0.00115	PASS
		50	1.97	0.00113	PASS					
				15	LCH	VN	-30	-0.3	-0.00017	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-0.19	-0.00011	PASS	
					-10	-0.92	-0.00054	PASS	
					0	-0.56	-0.00033	PASS	
					10	-0.82	-0.00048	PASS	
					20	0.24	0.00014	PASS	
					30	-0.43	-0.00025	PASS	
					40	-0.01	-0.00001	PASS	
					50	-0.9	-0.00052	PASS	
			MCH	VN	-30	-5.71	-0.0033	PASS	
					-20	-2	-0.00115	PASS	
					-10	-0.06	-0.00003	PASS	
					0	-0.9	-0.00052	PASS	
					10	-2.19	-0.00126	PASS	
					20	0.17	0.0001	PASS	
					30	-1.29	-0.00074	PASS	
					40	-0.27	-0.00016	PASS	
			HCH	VN	-30	0.01	0.00001	PASS	
					-20	-0.14	-0.00008	PASS	
					-10	-1.79	-0.00102	PASS	
					0	-0.72	-0.00041	PASS	
					10	-1.36	-0.00078	PASS	
					20	-1.36	-0.00078	PASS	
					30	0.89	0.00051	PASS	
					40	-1.29	-0.00074	PASS	
			20	LCH	VN	-30	0.92	0.00053	PASS
						-20	1.17	0.00068	PASS
						-10	0.37	0.00022	PASS
						0	0.87	0.00051	PASS
		10				0.94	0.00055	PASS	
		20				0.86	0.0005	PASS	
		30				0.43	0.00025	PASS	
		40				0.9	0.00052	PASS	
		50		1.22	0.00071	PASS			
		MCH		VN	-30	2.36	0.00136	PASS	
					-20	1	0.00058	PASS	
					-10	1.89	0.00109	PASS	
			0		0.54	0.00031	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	1.27	0.00073	PASS		
					20	1.09	0.00063	PASS		
					30	1.97	0.00114	PASS		
					40	1.46	0.00084	PASS		
					50	3.58	0.00207	PASS		
			HCH	VN	-30	-2.43	-0.00139	PASS		
							-20	-2.26	-0.0013	PASS
							-10	-3.72	-0.00213	PASS
							0	-3.05	-0.00175	PASS
							10	-2.59	-0.00148	PASS
							20	-3.52	-0.00202	PASS
							30	-3.1	-0.00178	PASS
							40	-3.08	-0.00177	PASS
							50	-3.4	-0.00195	PASS

END