

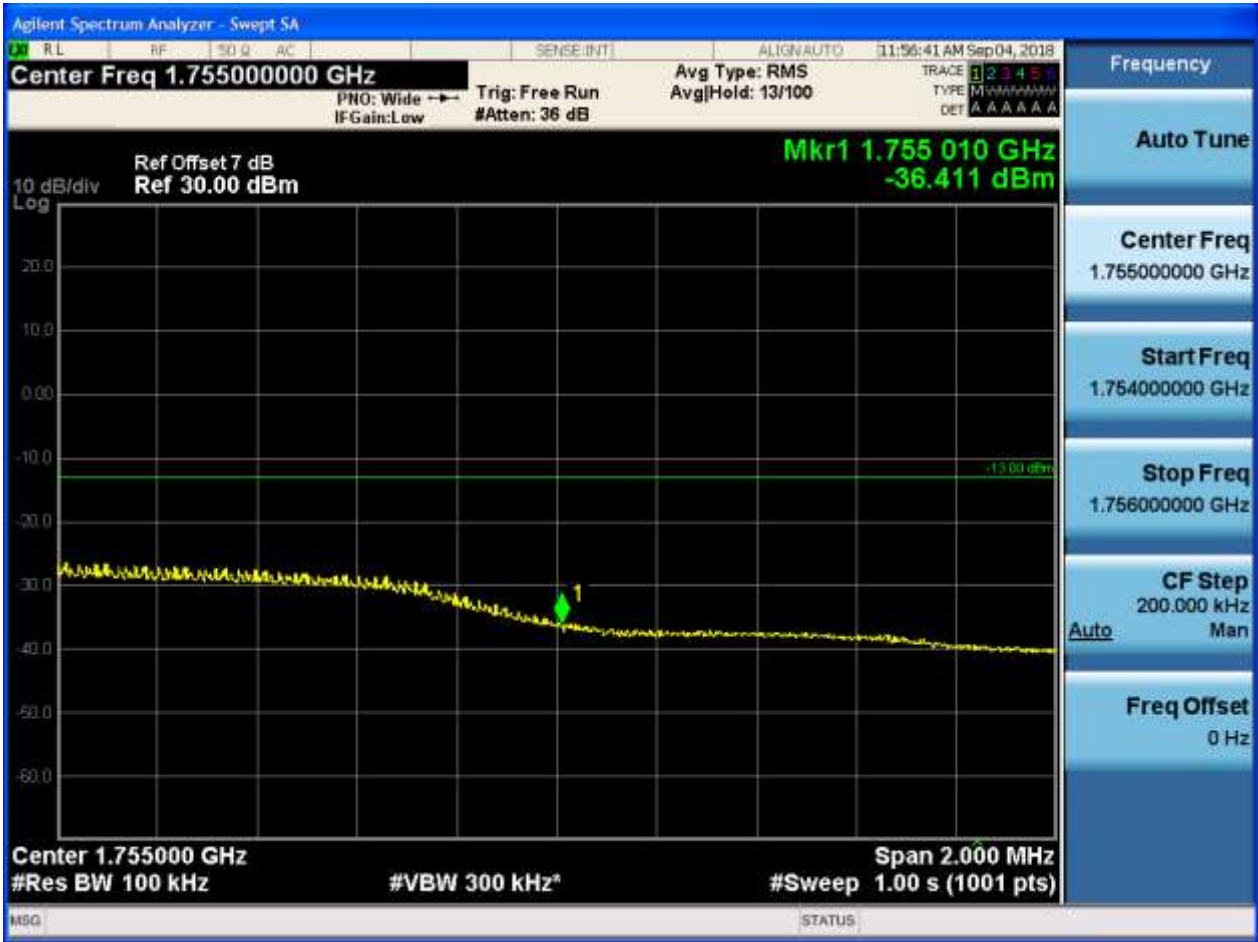


5.1.1.2.4.2.2 Test RB = RB1#49





5.1.1.2.4.2.3 Test RB = RB25#13





5.1.1.2.4.2.4 Test RB = RB50#0





5.1.1.2.5 Test Bandwidth = 15

5.1.1.2.5.1 Test Channel = LCH

5.1.1.2.5.1.1 Test RB = RB1#0





5.1.1.2.5.1.2 Test RB = RB1#74





5.1.1.2.5.1.3 Test RB = RB38#19





5.1.1.2.5.1.4 Test RB = RB75#0





5.1.1.2.5.2 Test Channel = HCH

5.1.1.2.5.2.1 Test RB = RB1#0





5.1.1.2.5.2.2 Test RB = RB1#74





5.1.1.2.5.2.3 Test RB = RB38#19





5.1.1.2.5.2.4 Test RB = RB75#0





5.1.1.2.6 Test Bandwidth = 20

5.1.1.2.6.1 Test Channel = LCH

5.1.1.2.6.1.1 Test RB = RB1#0





5.1.1.2.6.1.2 Test RB = RB1#99





5.1.1.2.6.1.3 Test RB = RB50#25





5.1.1.2.6.1.4 Test RB = RB100#0





5.1.1.2.6.2 Test Channel = HCH

5.1.1.2.6.2.1 Test RB = RB1#0





5.1.1.2.6.2.2 Test RB = RB1#99





5.1.1.2.6.2.3 Test RB = RB50#25





5.1.1.2.6.2.4 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

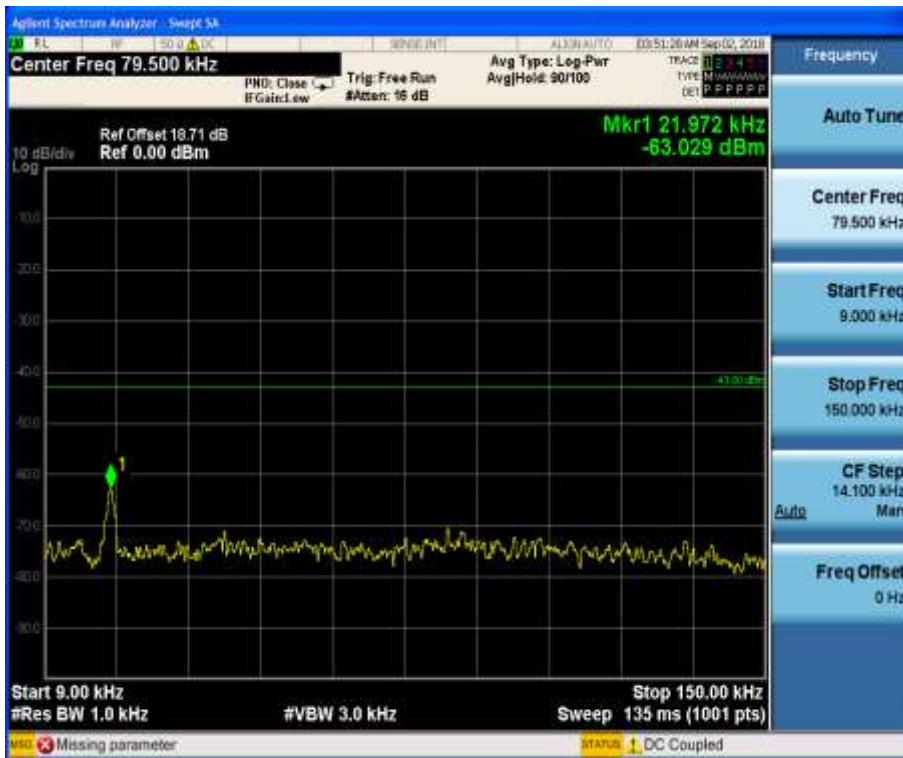
6.1.1 Test Band = BAND4

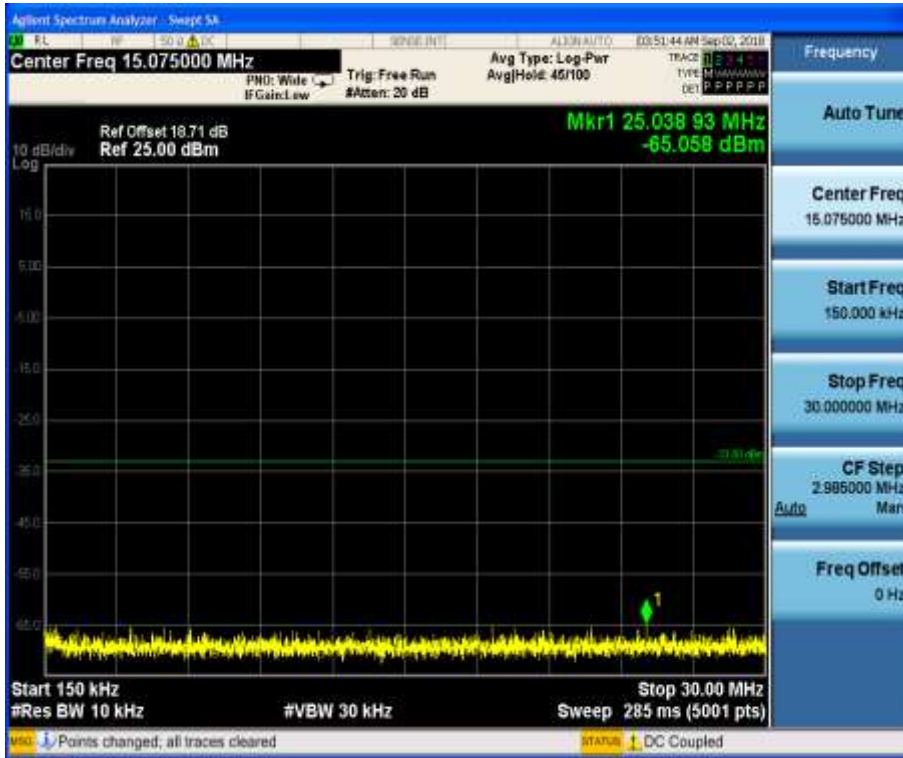
6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 1.4

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

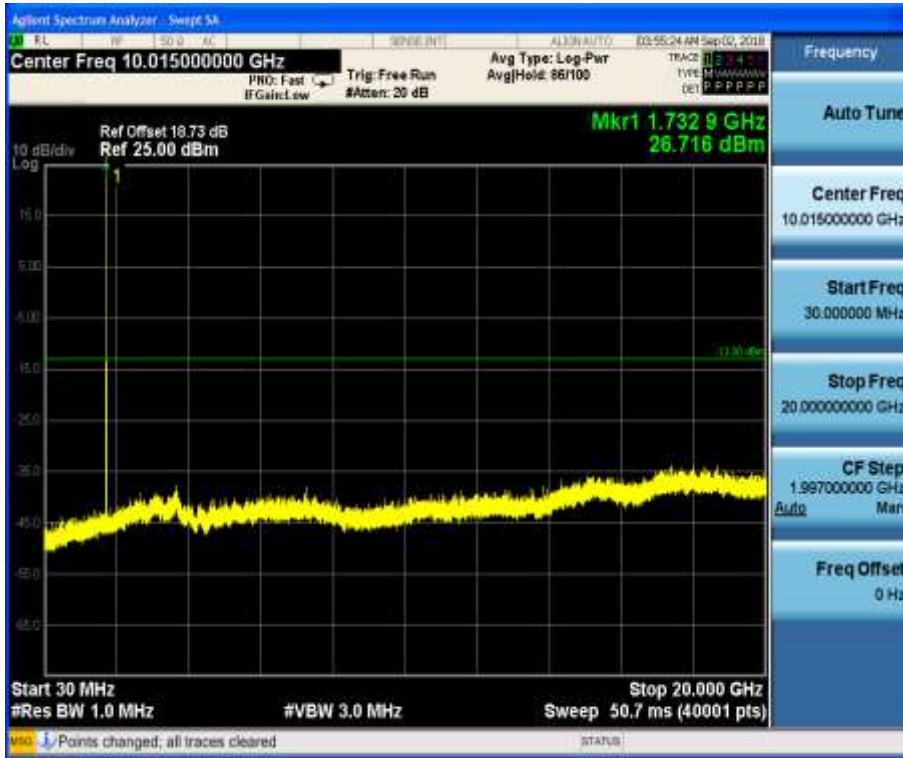




6.1.1.1.1.2 Test Channel = MCH

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





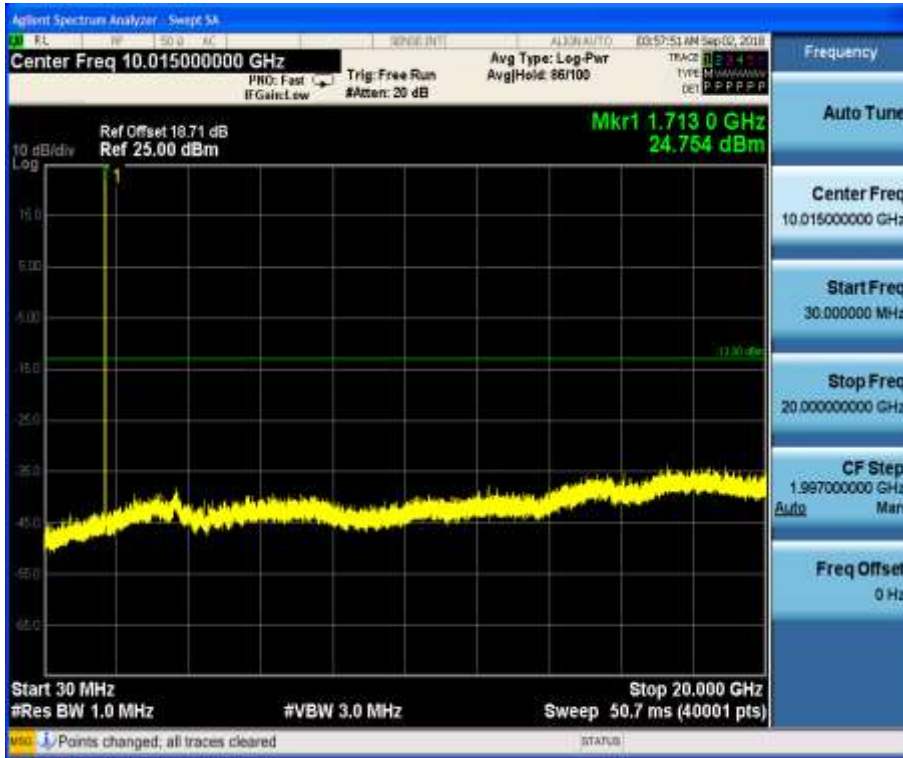


6.2.1.1.2 Test Bandwidth = 3

6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0







6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0







6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0





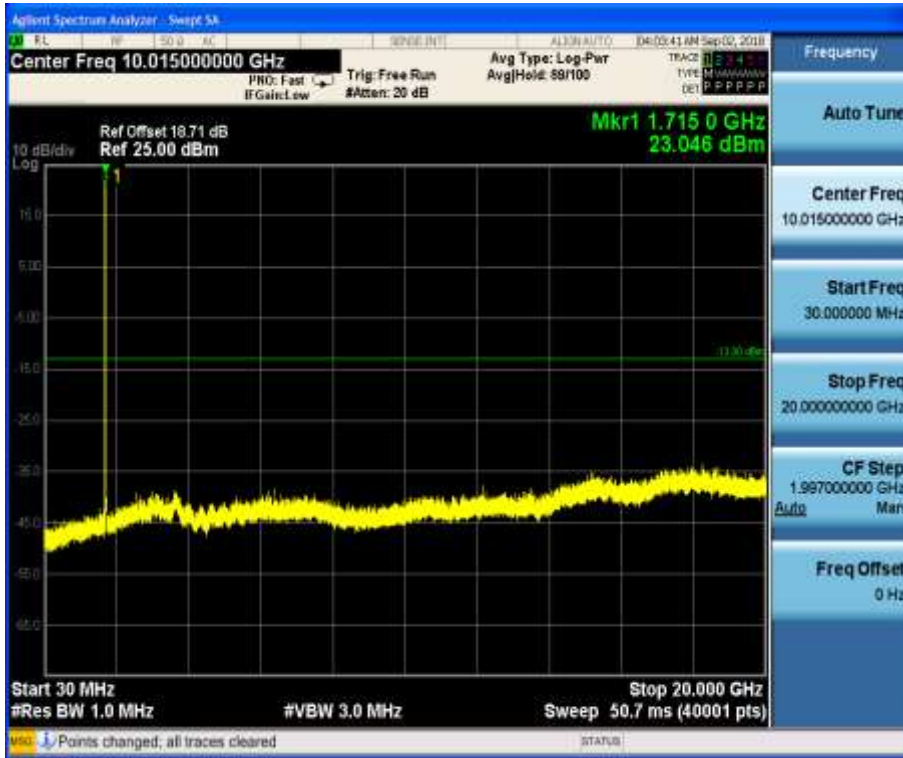


6.2.1.1.3 Test Bandwidth = 5

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0

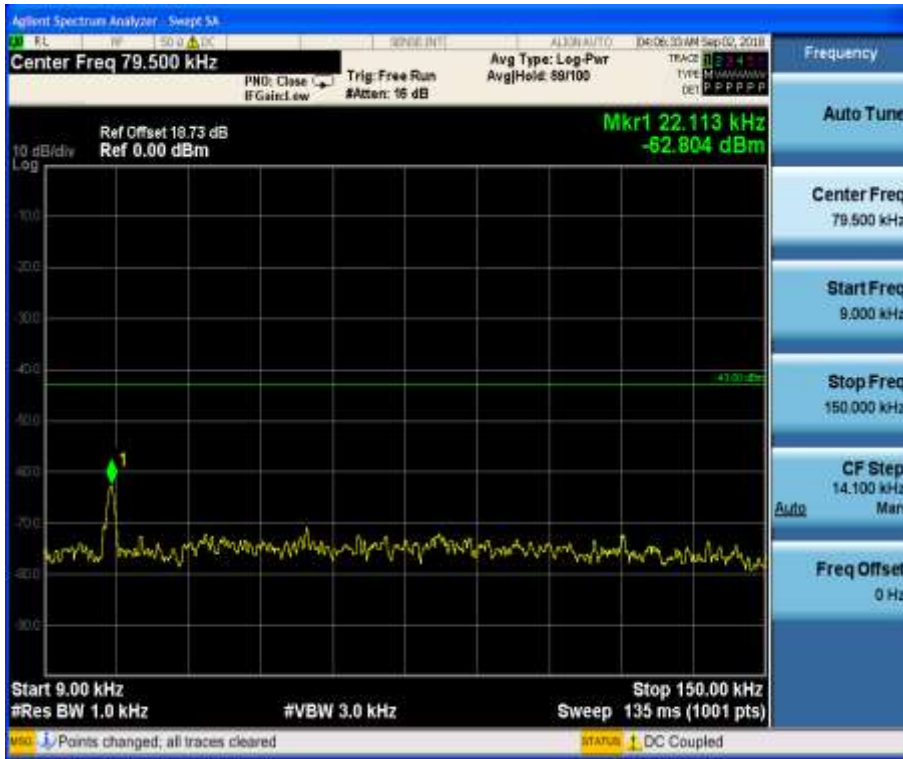


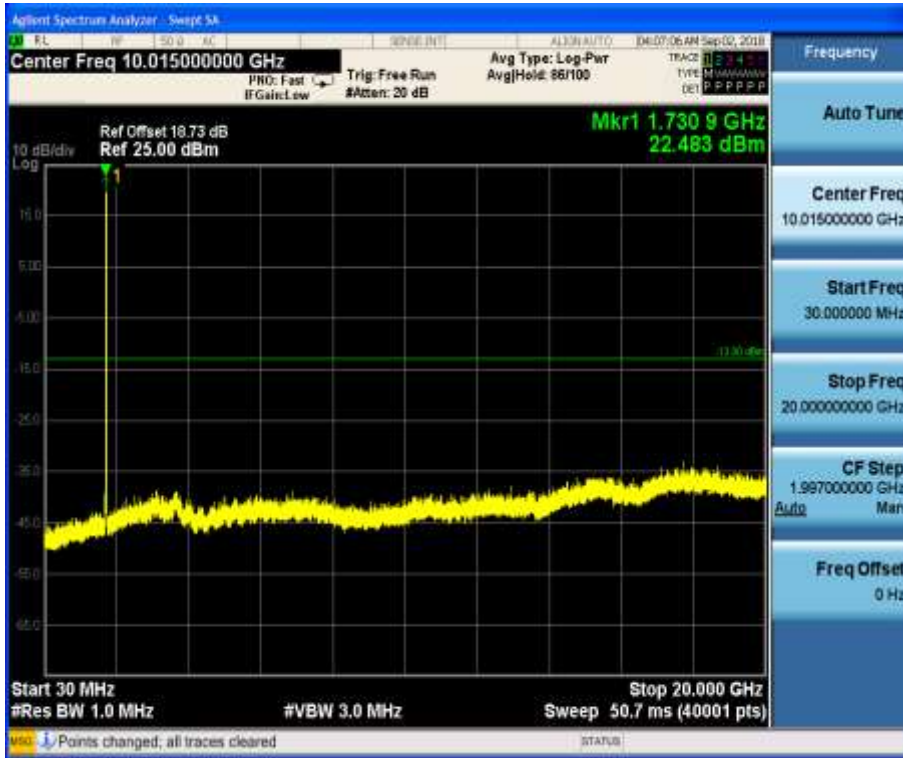




6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0



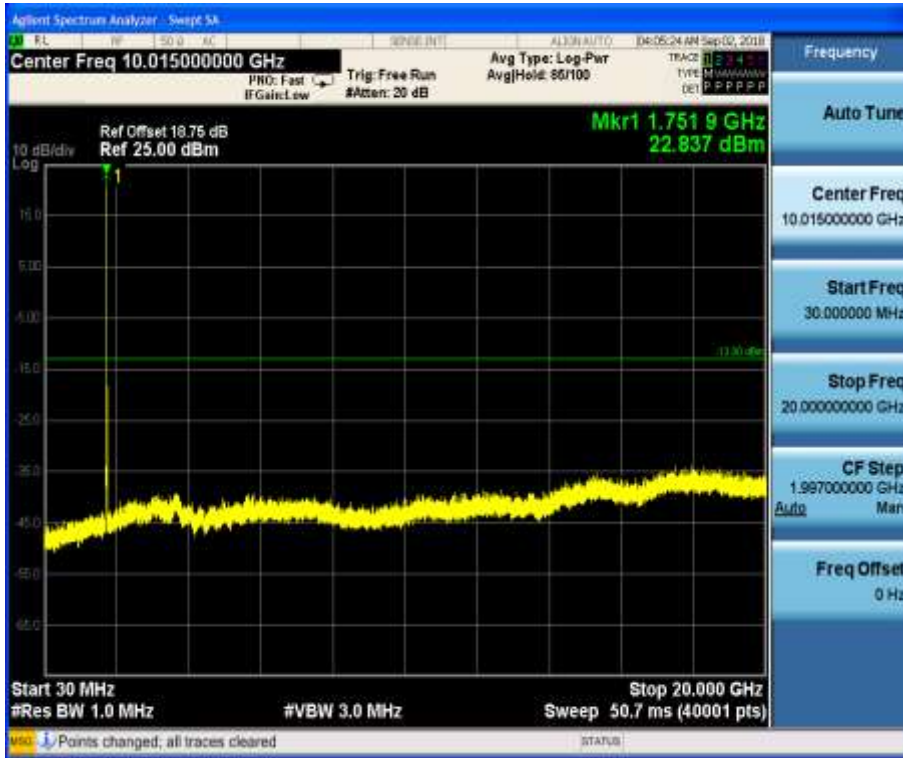




6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0







6.2.1.1.4 Test Bandwidth = 10

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0



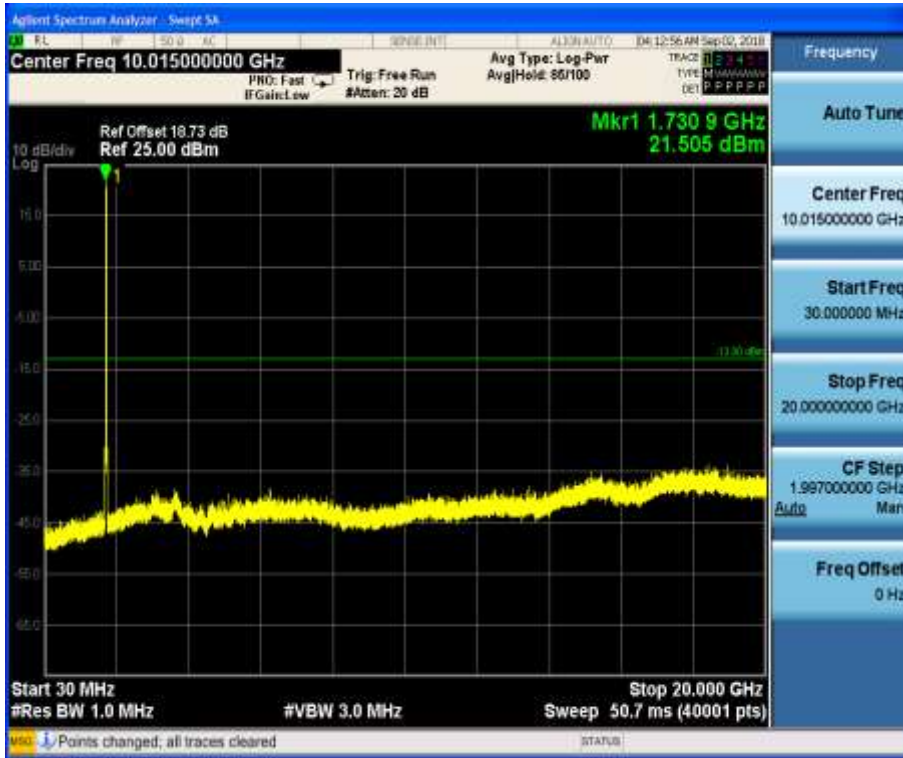




6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0



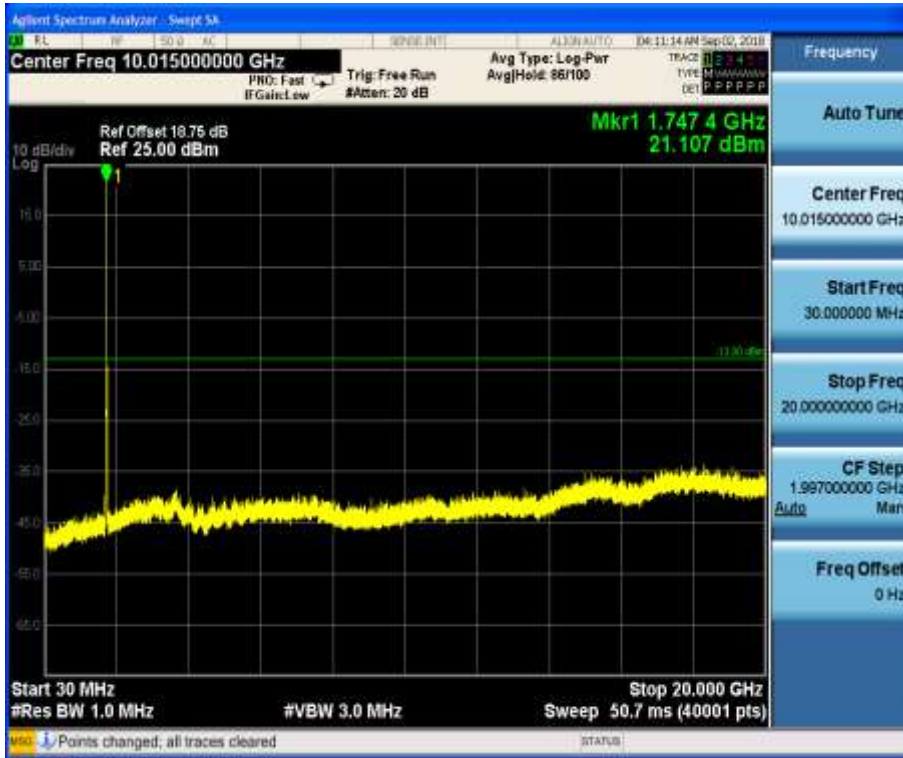




6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







6.2.1.1.5 Test Bandwidth = 15

6.2.1.1.5.1 Test Channel = LCH

6.2.1.1.5.1.1 Test RB = RB1#0

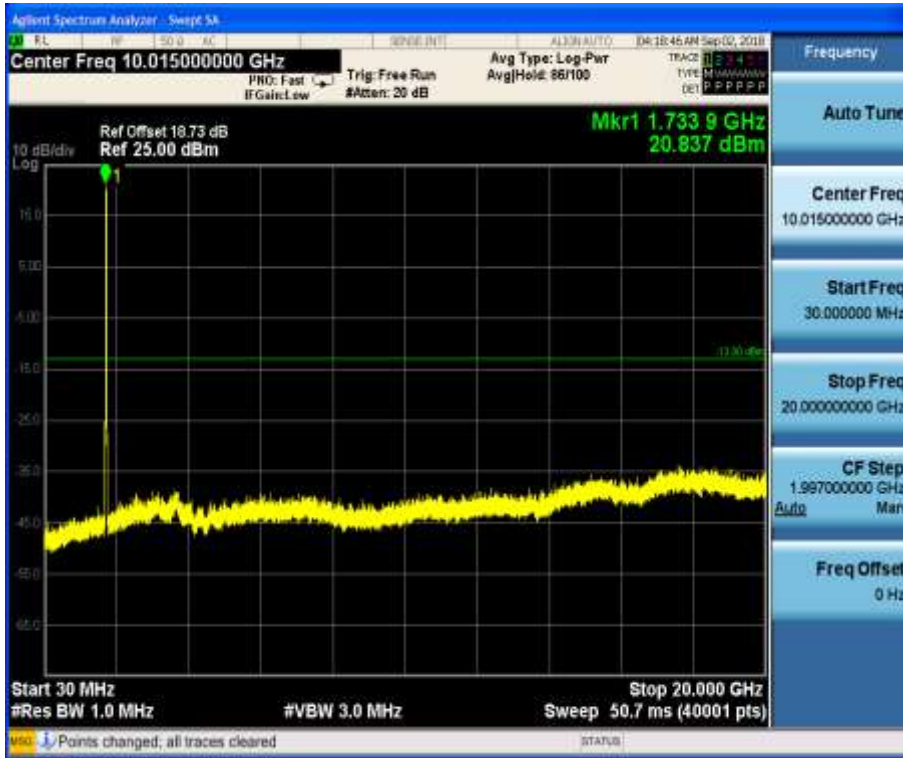




6.2.1.1.5.2 Test Channel = MCH

6.2.1.1.5.2.1 Test RB = RB1#0



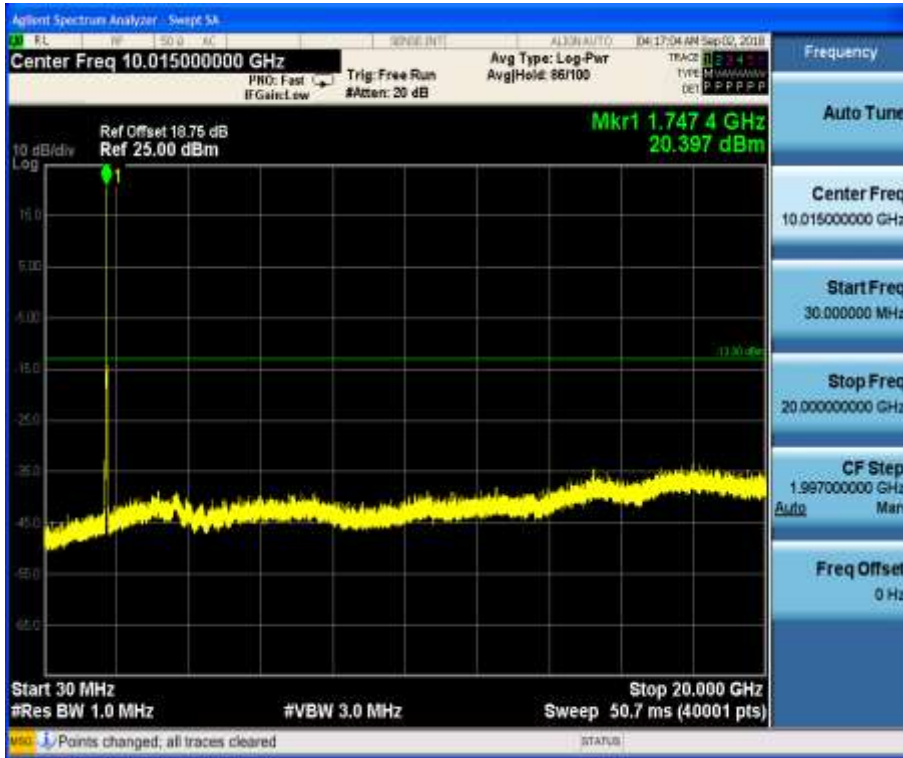




6.2.1.1.5.3 Test Channel = HCH

6.2.1.1.5.3.1 Test RB = RB1#0





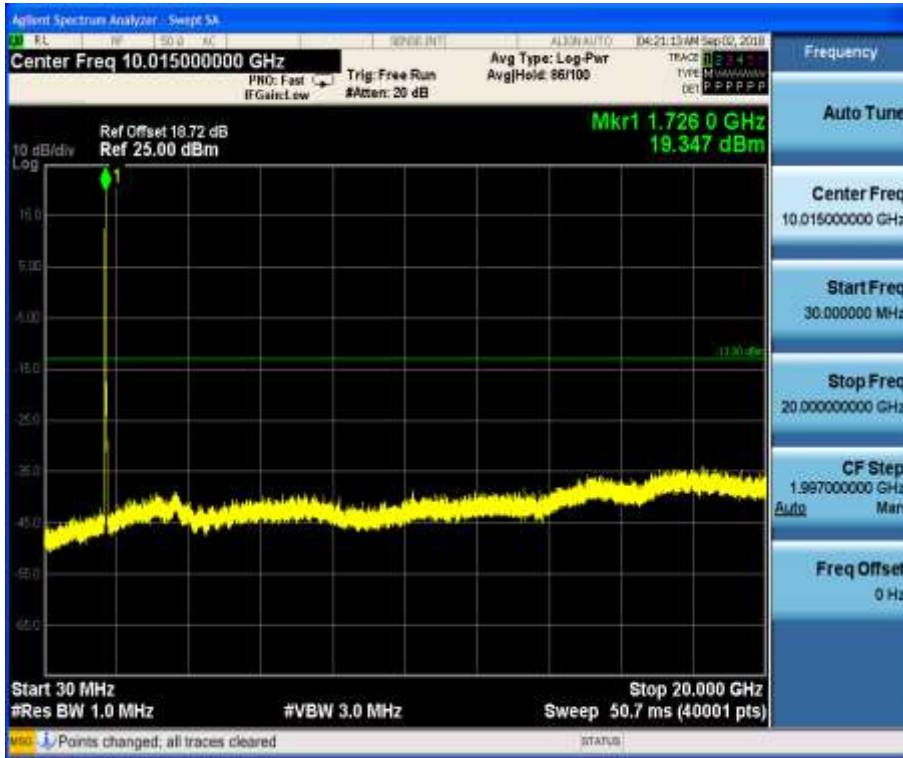


6.2.1.1.6 Test Bandwidth = 20

6.2.1.1.6.1 Test Channel = LCH

6.2.1.1.6.1.1 Test RB = RB1#0







6.2.1.1.6.2 Test Channel = MCH

6.2.1.1.6.2.1 Test RB = RB1#0

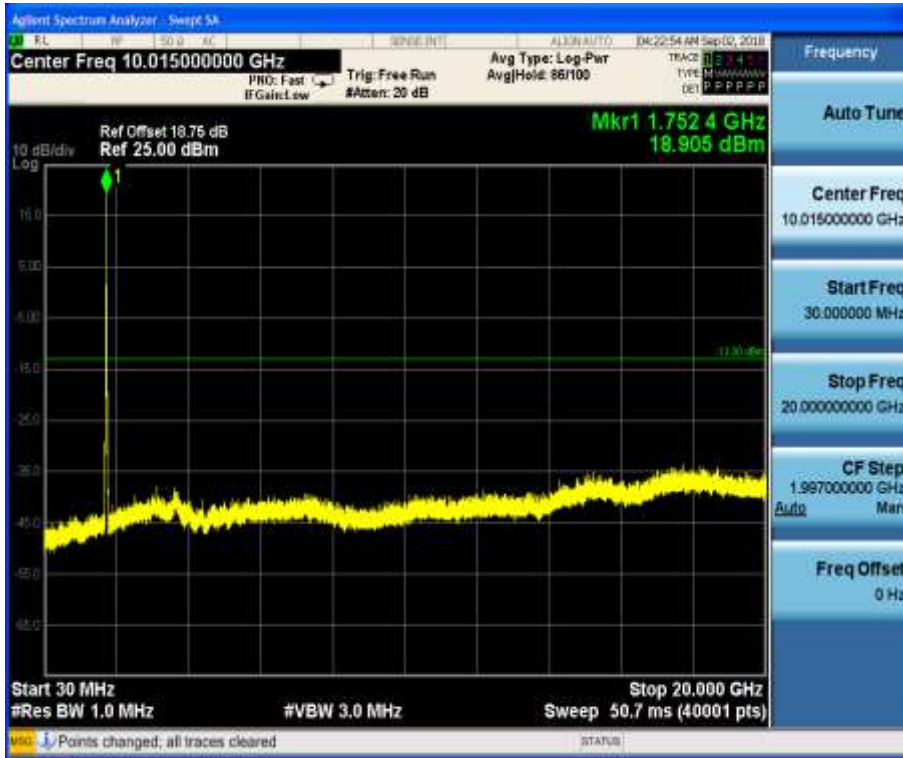




6.2.1.1.6.3 Test Channel = HCH

6.2.1.1.6.3.1 Test RB = RB1#0







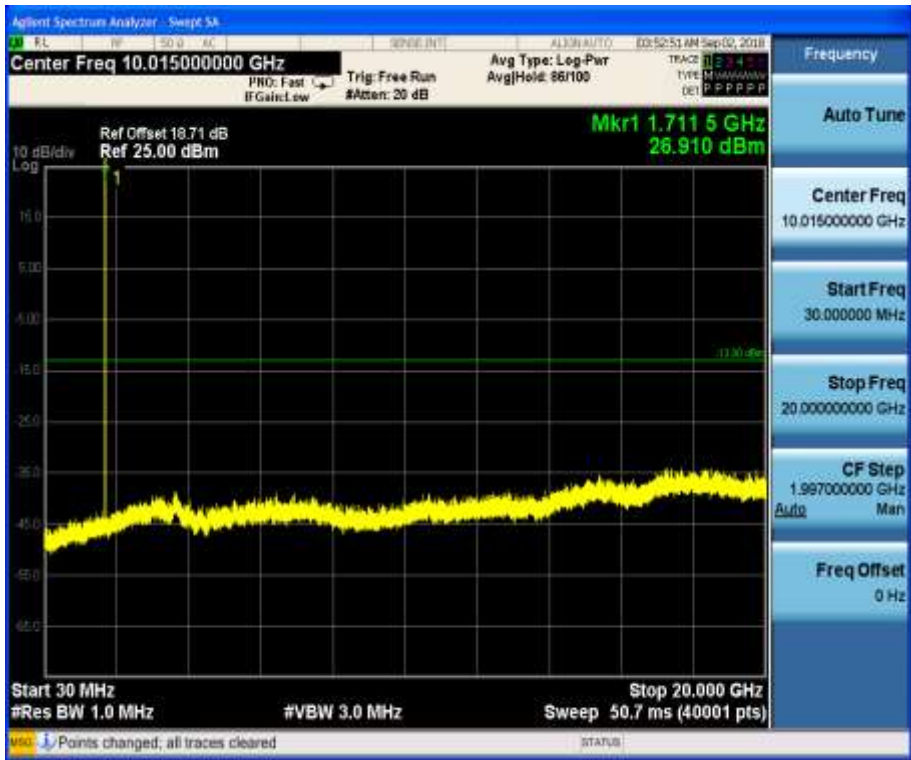
6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 1.4

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0





6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0





6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0







6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0







6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0

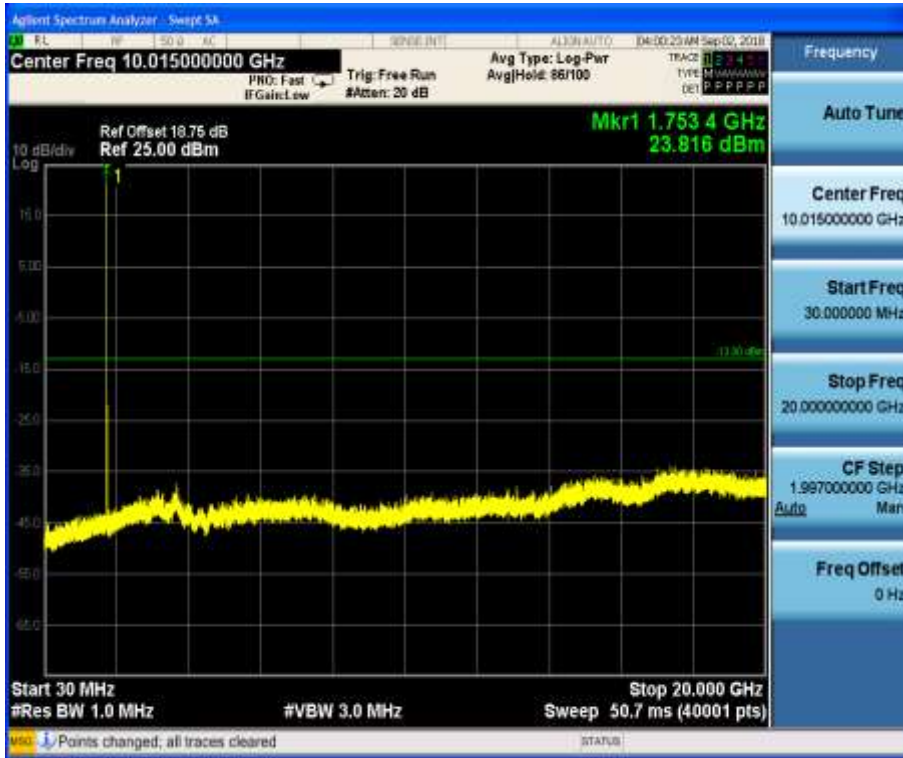




6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0







6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0







6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0







6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0



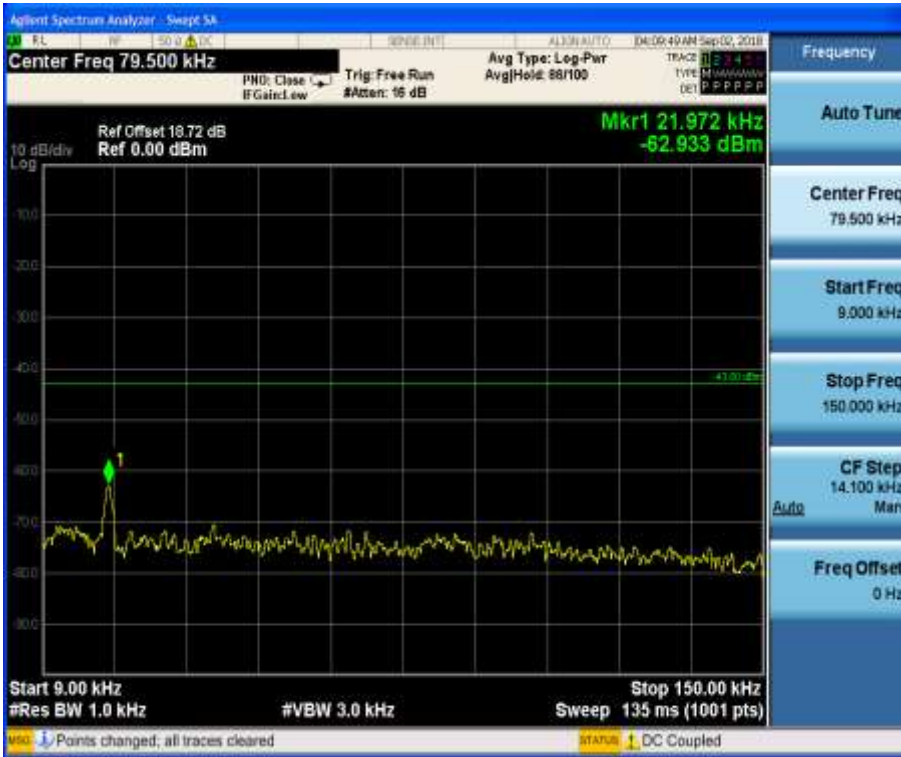




6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

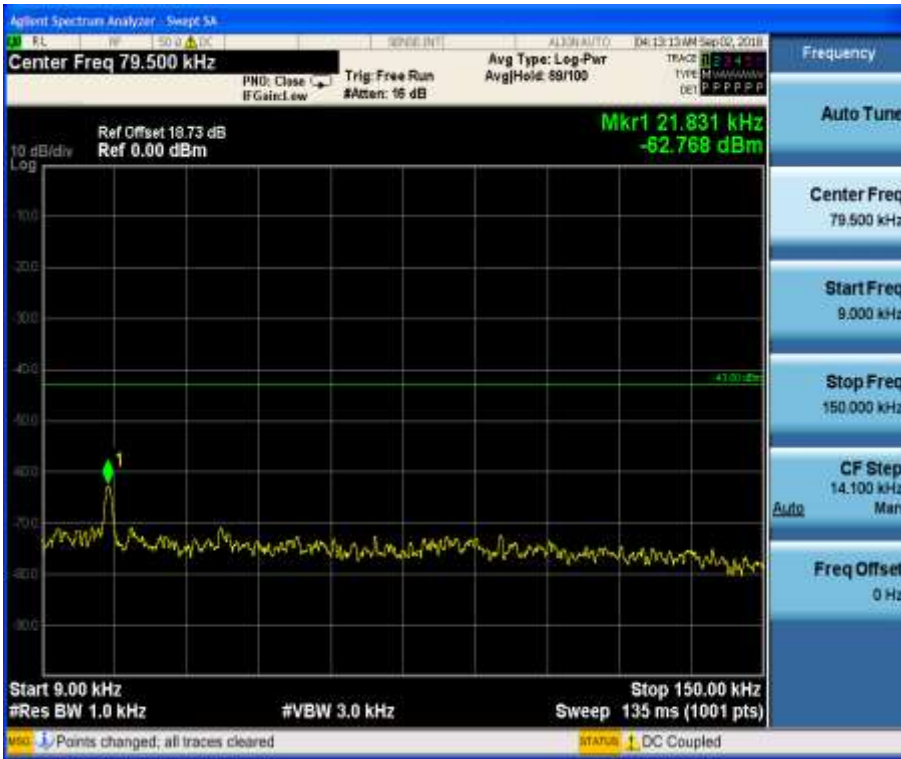


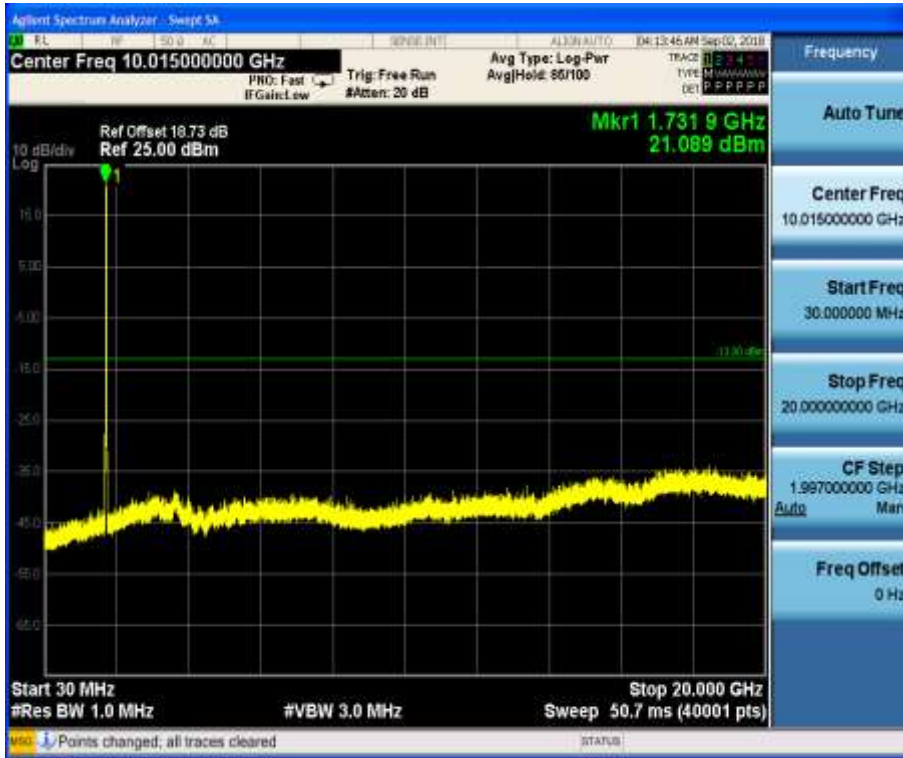




6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0



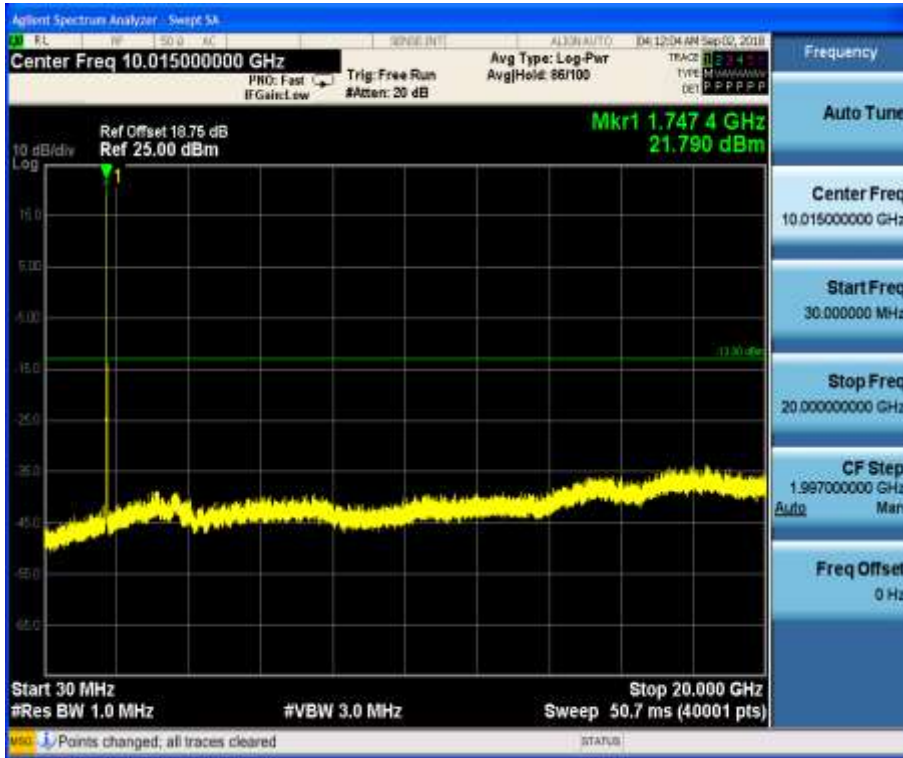




6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 Test RB = RB1#0





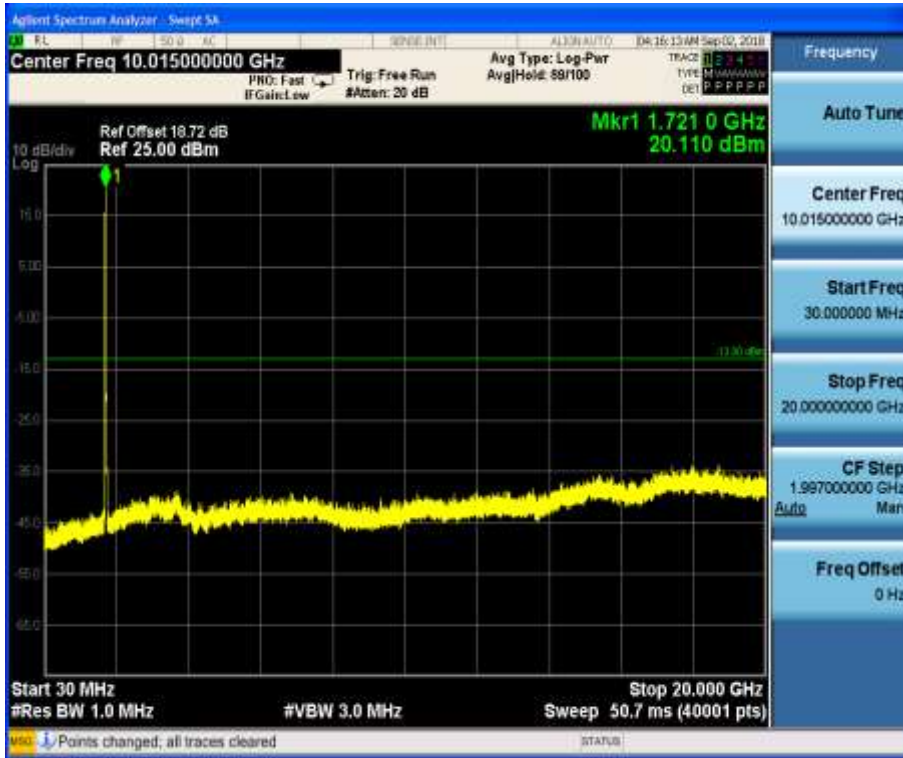


6.2.1.2.5 Test Bandwidth = 15

6.2.1.2.5.1 Test Channel = LCH

6.2.1.2.5.1.1 Test RB = RB1#0



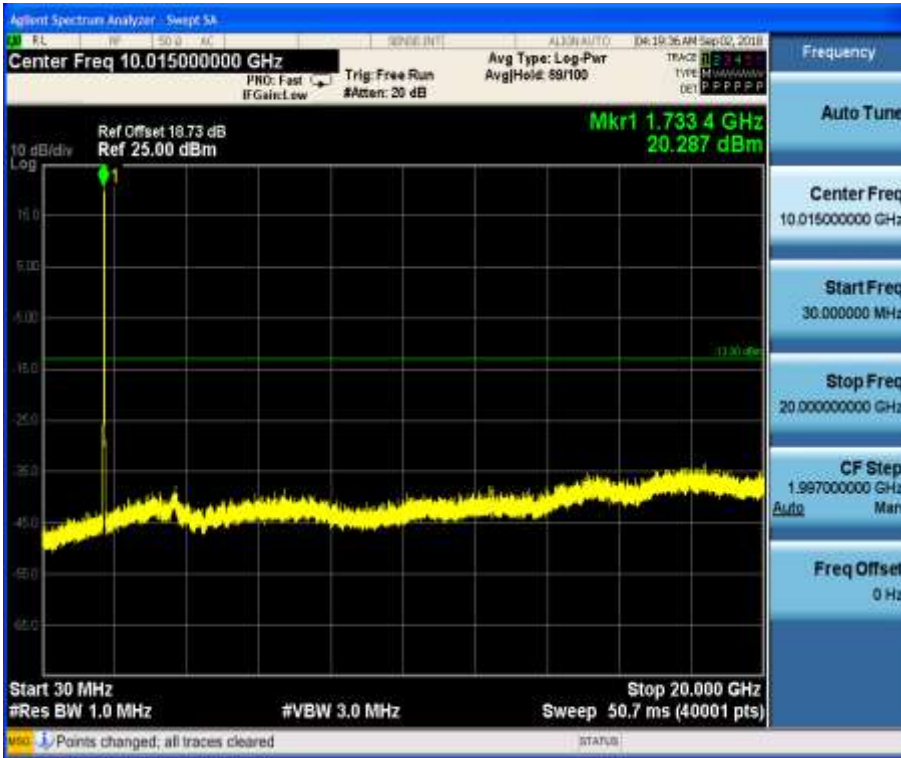




6.2.1.2.5.2 Test Channel = MCH

6.2.1.2.5.2.1 Test RB = RB1#0



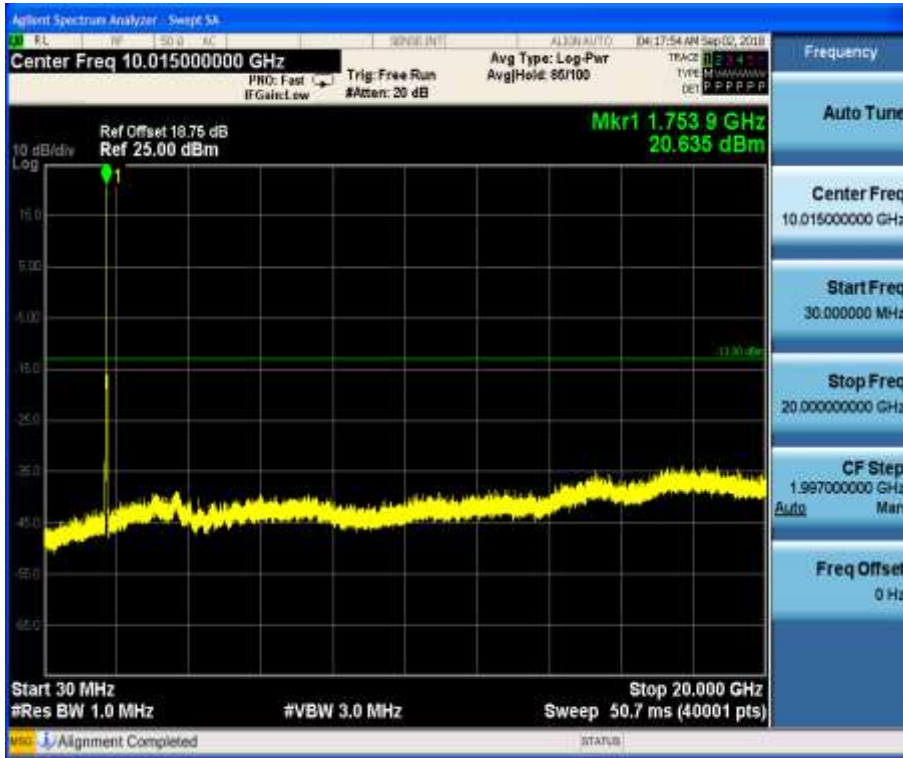




6.2.1.2.5.3 Test Channel = HCH

6.2.1.2.5.3.1 Test RB = RB1#0





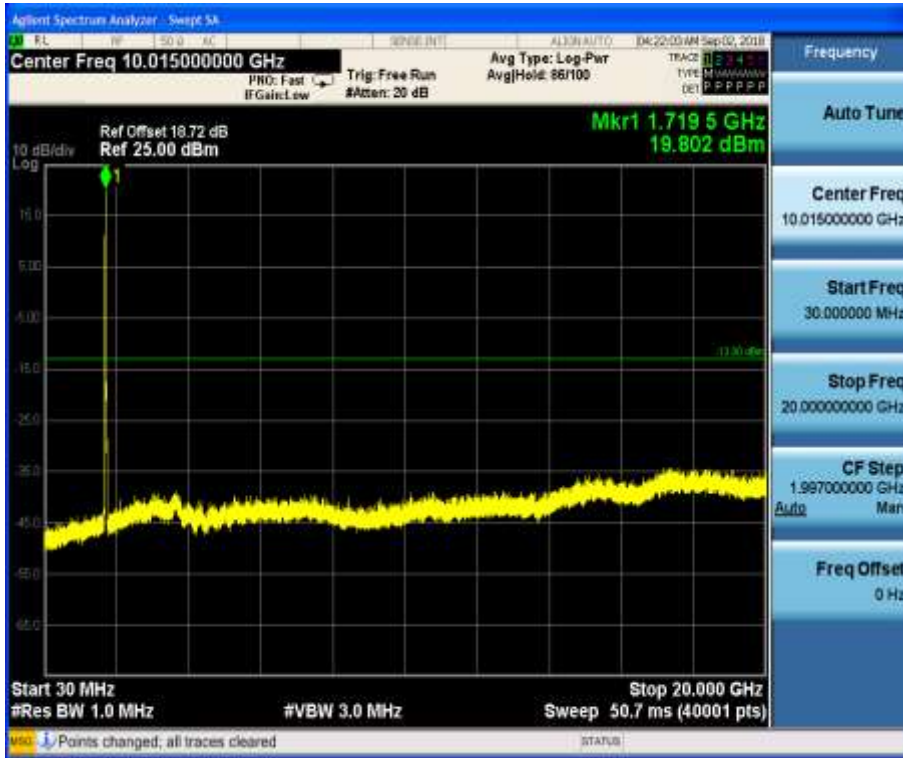


6.2.1.2.6 Test Bandwidth = 20

6.2.1.2.6.1 Test Channel = LCH

6.2.1.2.6.1.1 Test RB = RB1#0

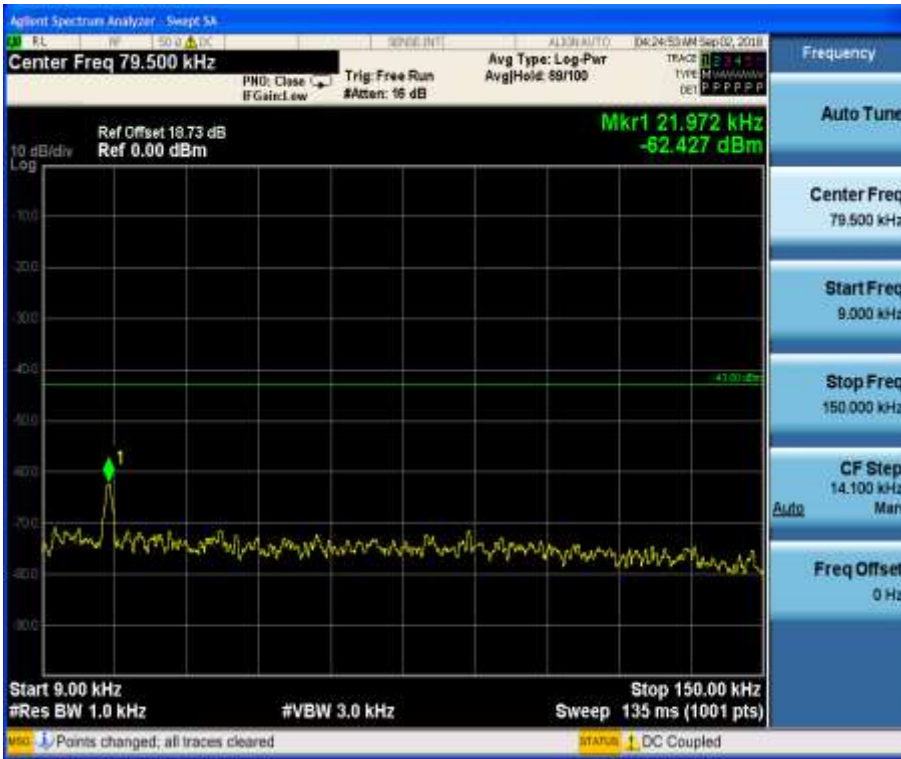


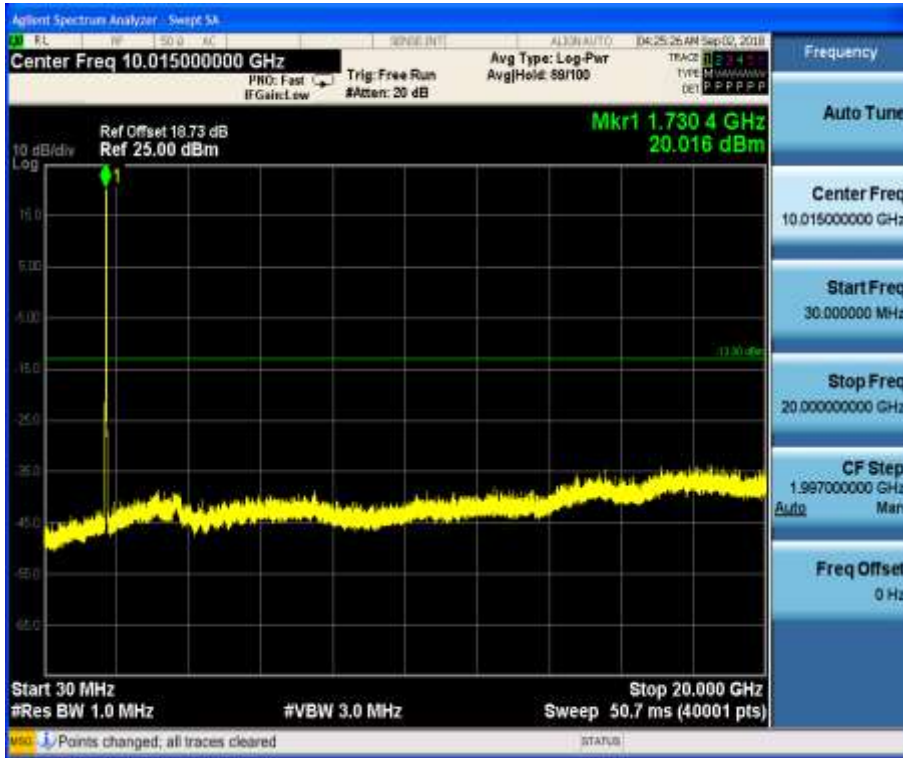




6.2.1.2.6.2 Test Channel = MCH

6.2.1.2.6.2.1 Test RB = RB1#0

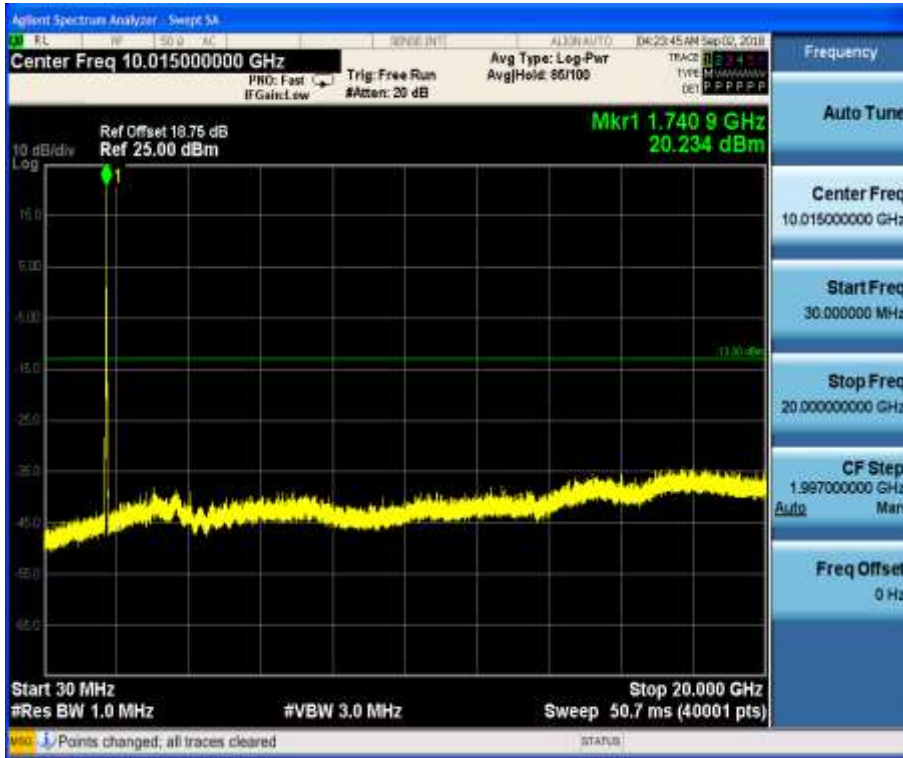




6.2.1.2.6.3 Test Channel = HCH

6.2.1.2.6.3.1 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

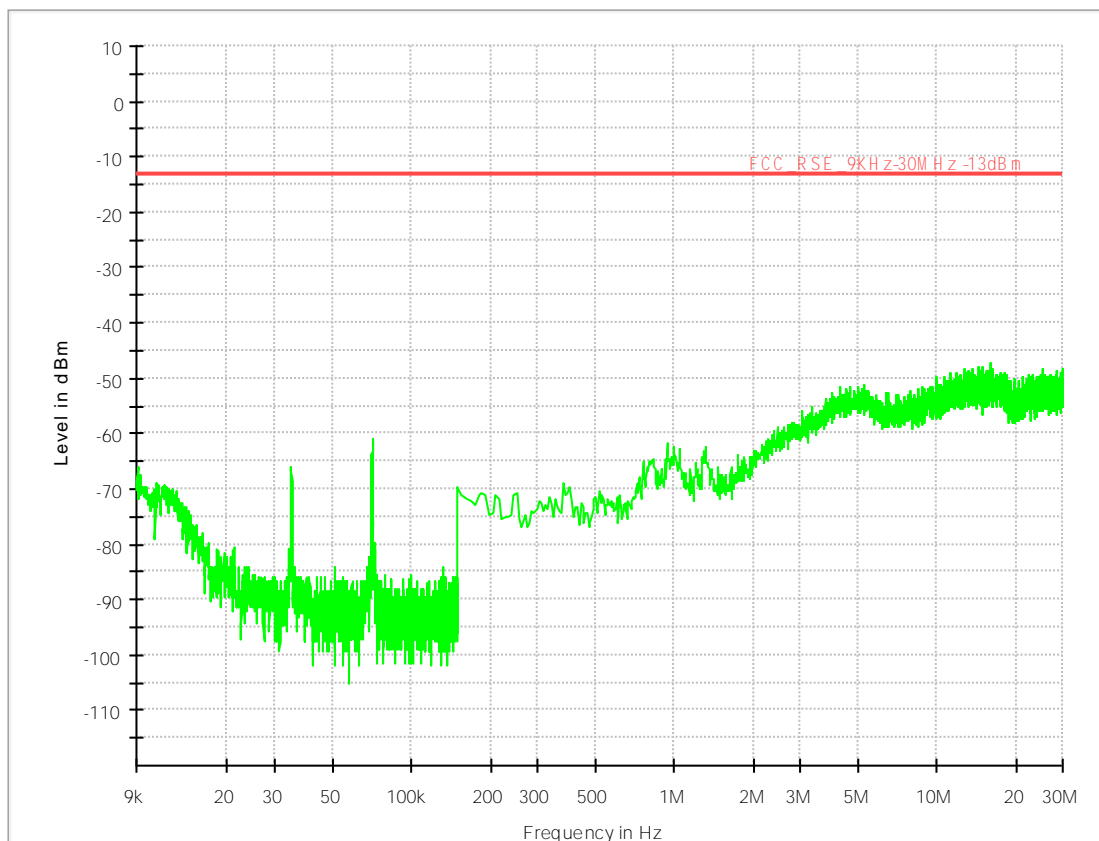
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

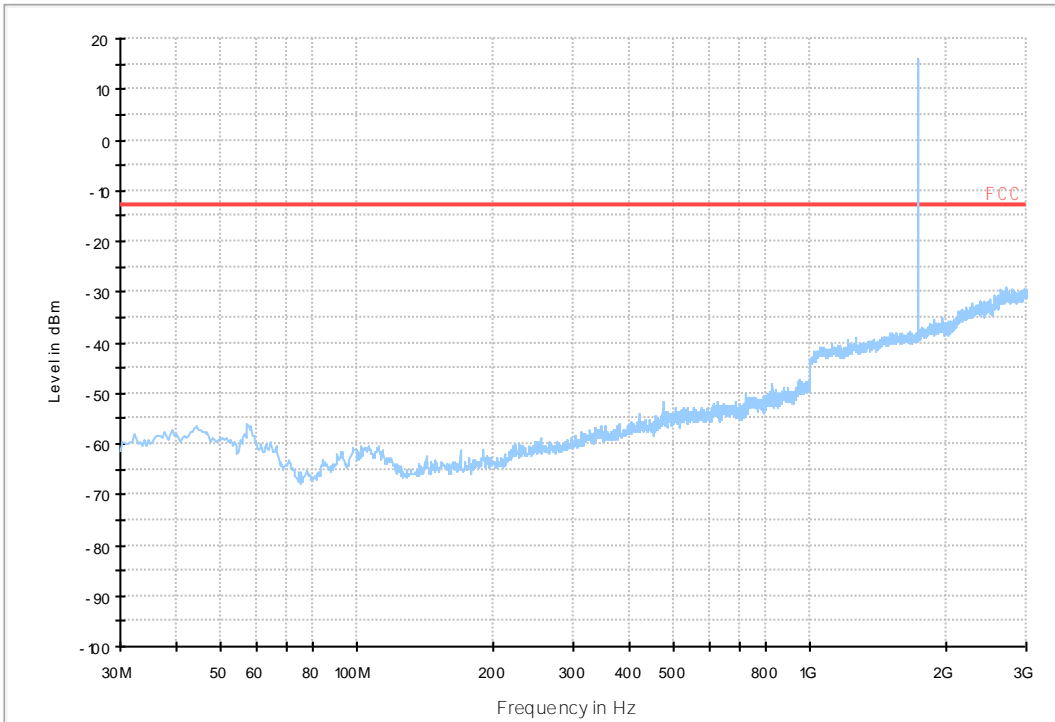
7.1 For LTE

7.1.1 Test Band = BAND4_ANT1

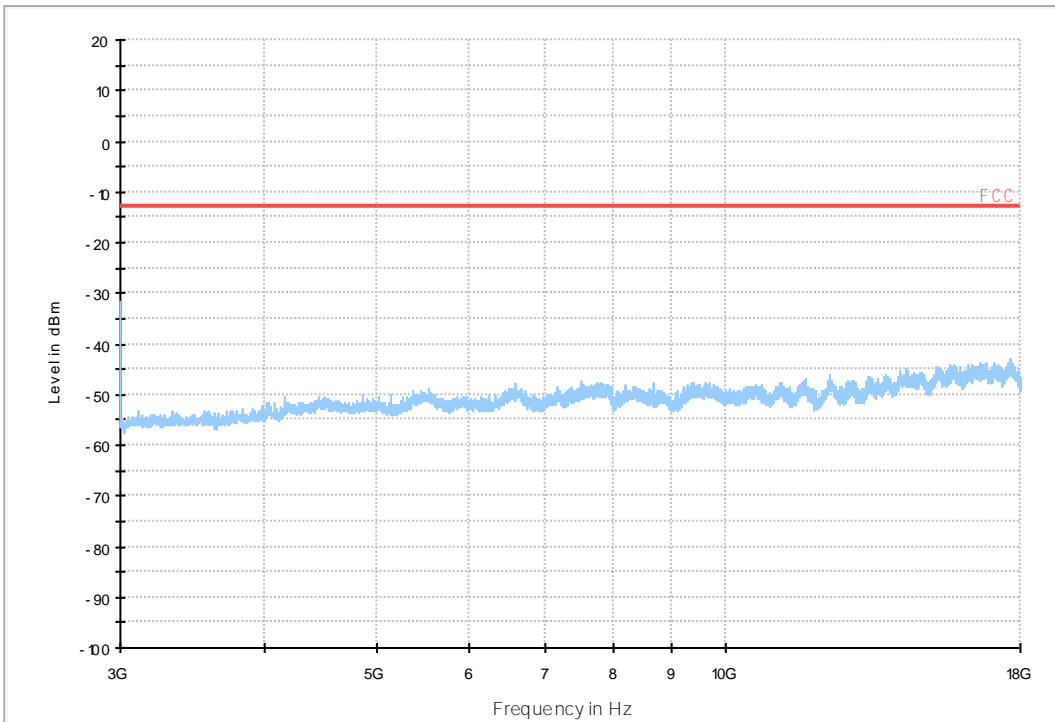
7.1.1.1 Test Bandwidth = 1.4



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L

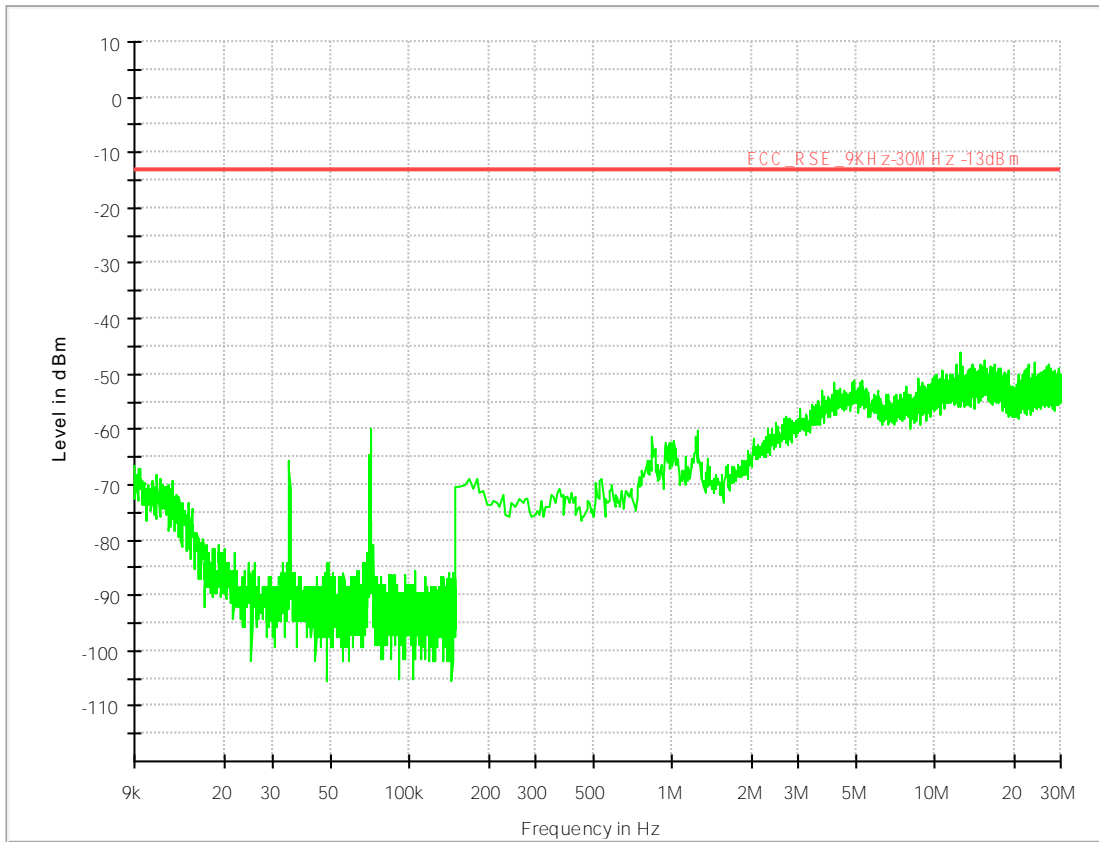


LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

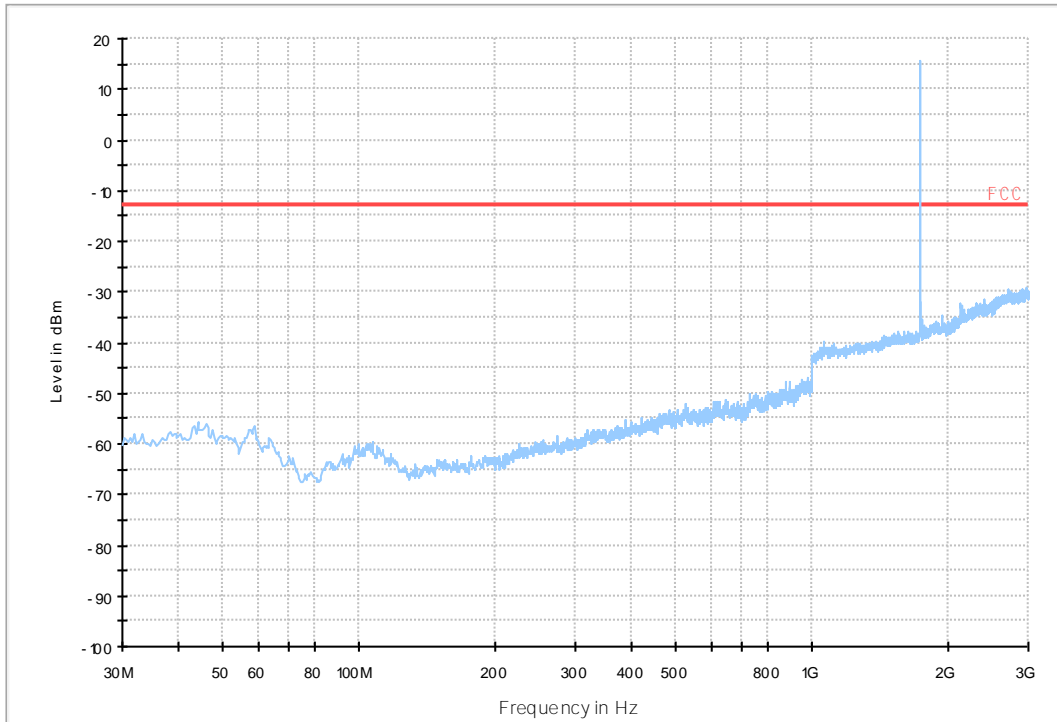




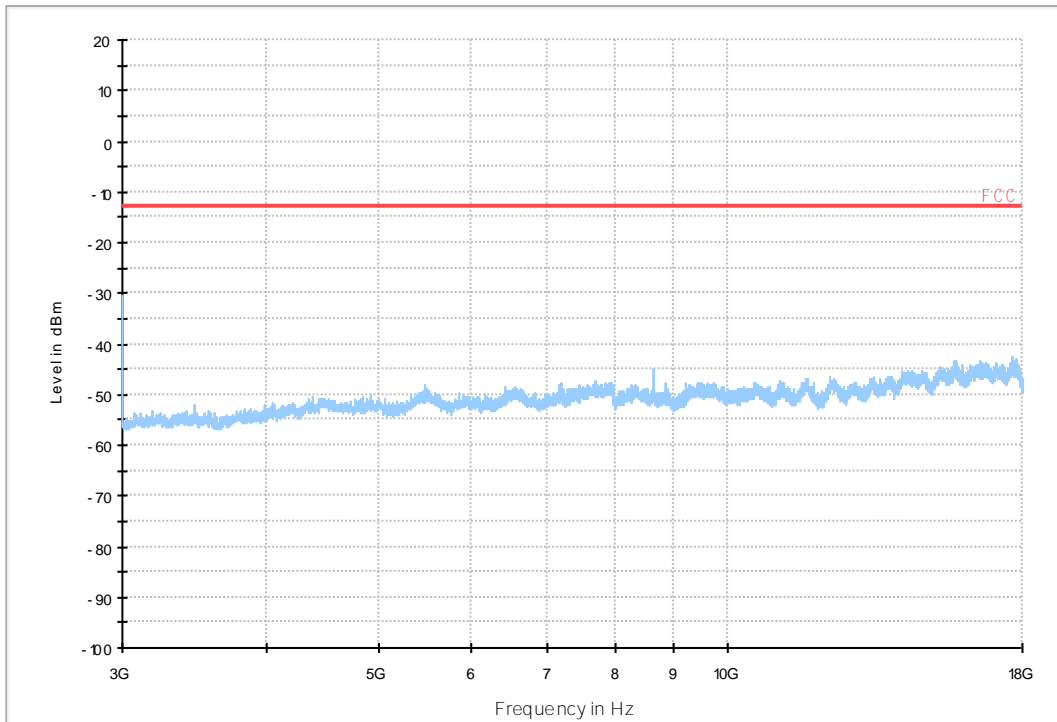
7.1.1.2 Test Bandwidth = 5



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L

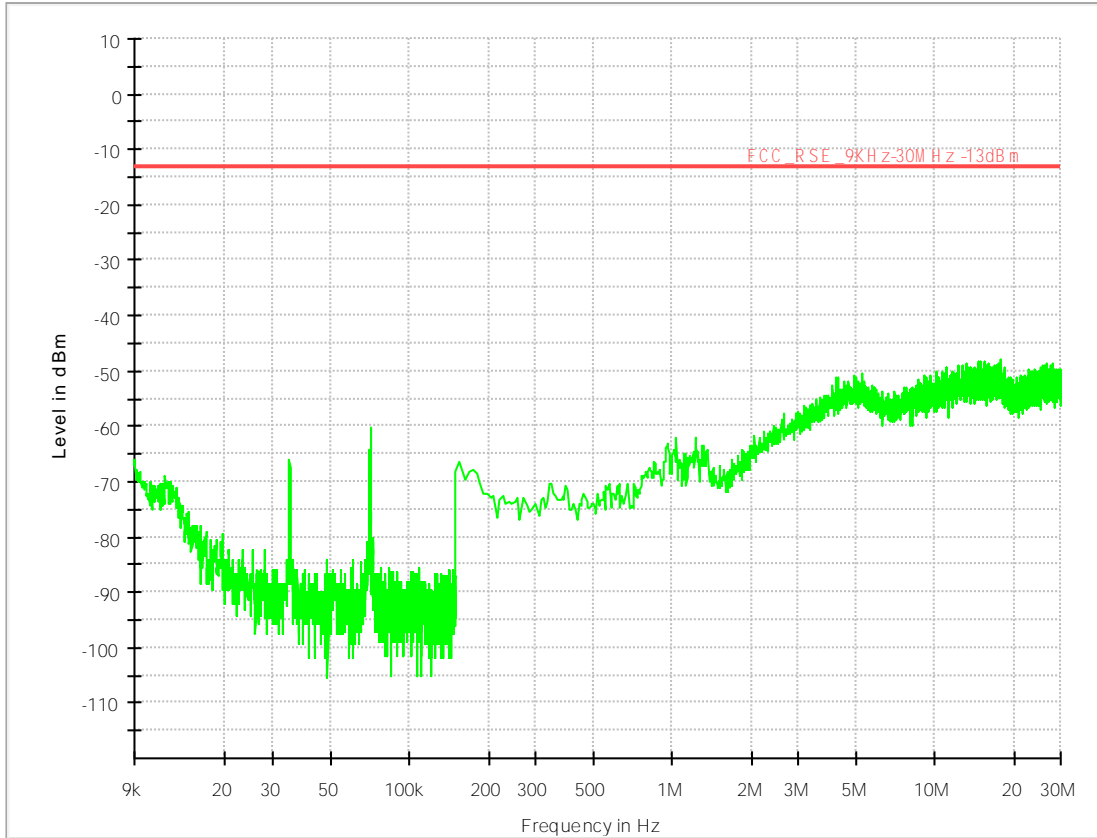


LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



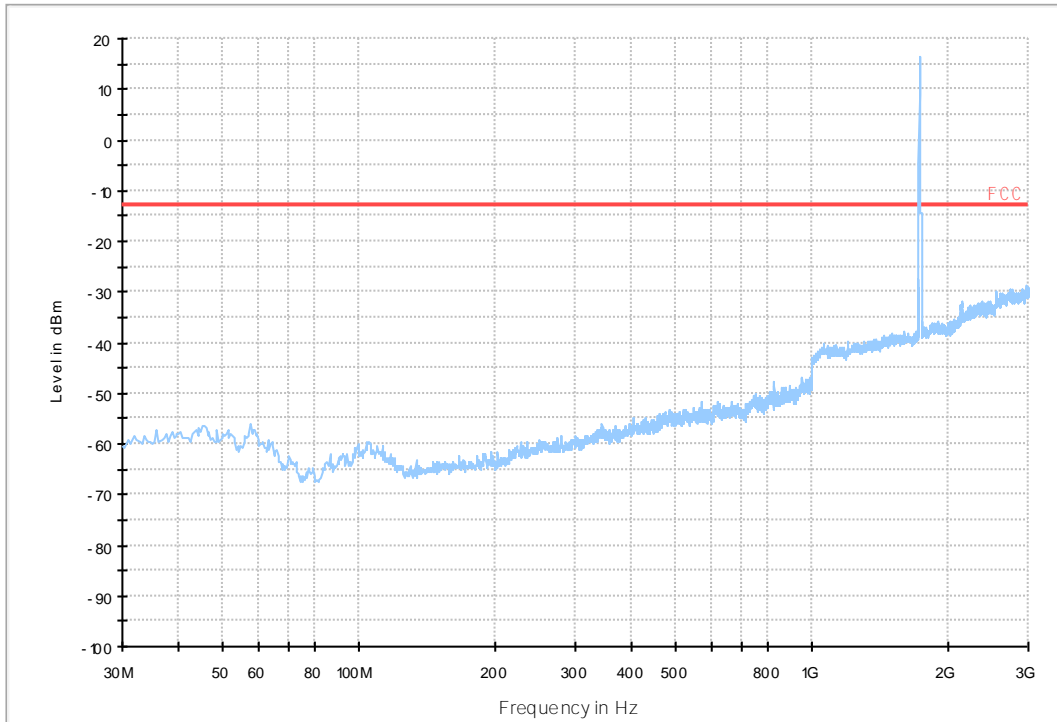


7.1.1.3 Test Bandwidth = 20

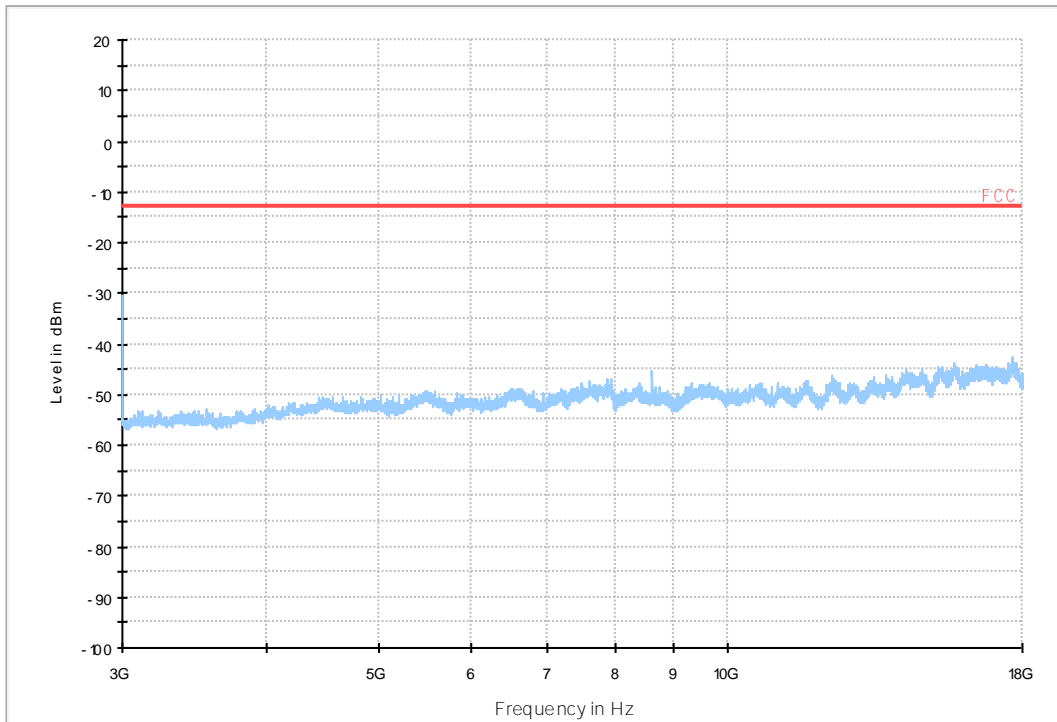




LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



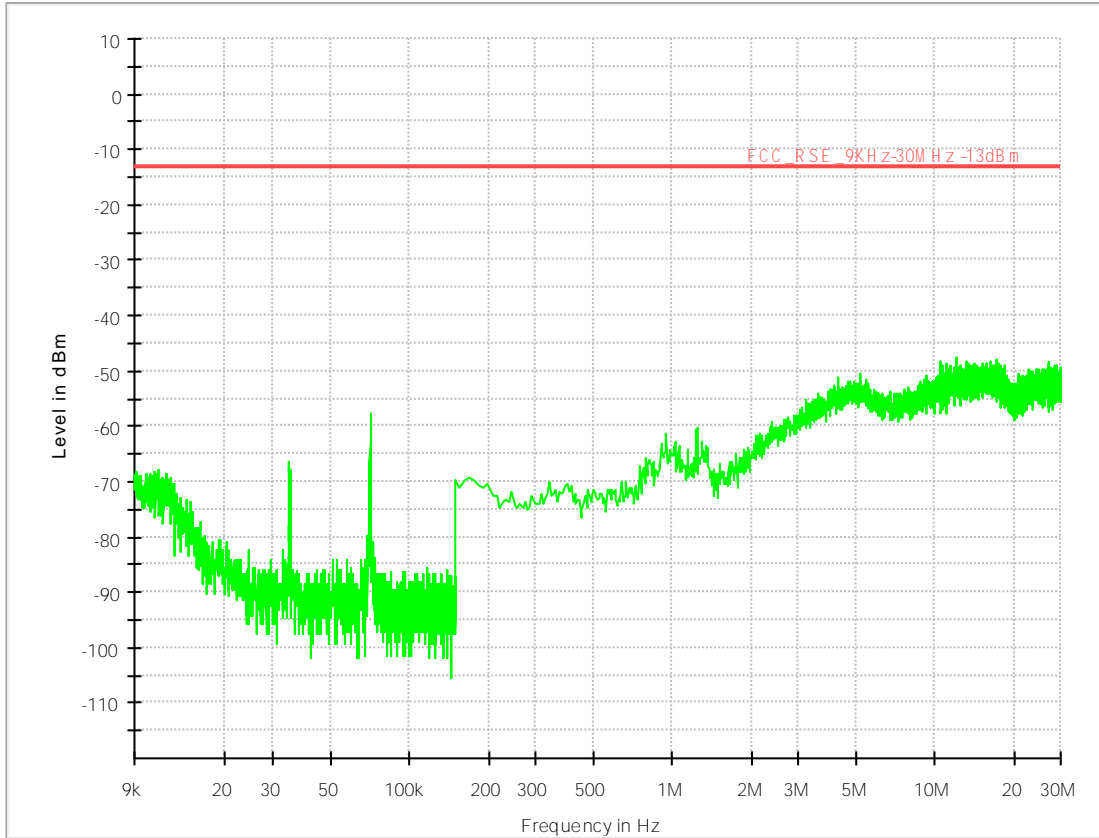
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H





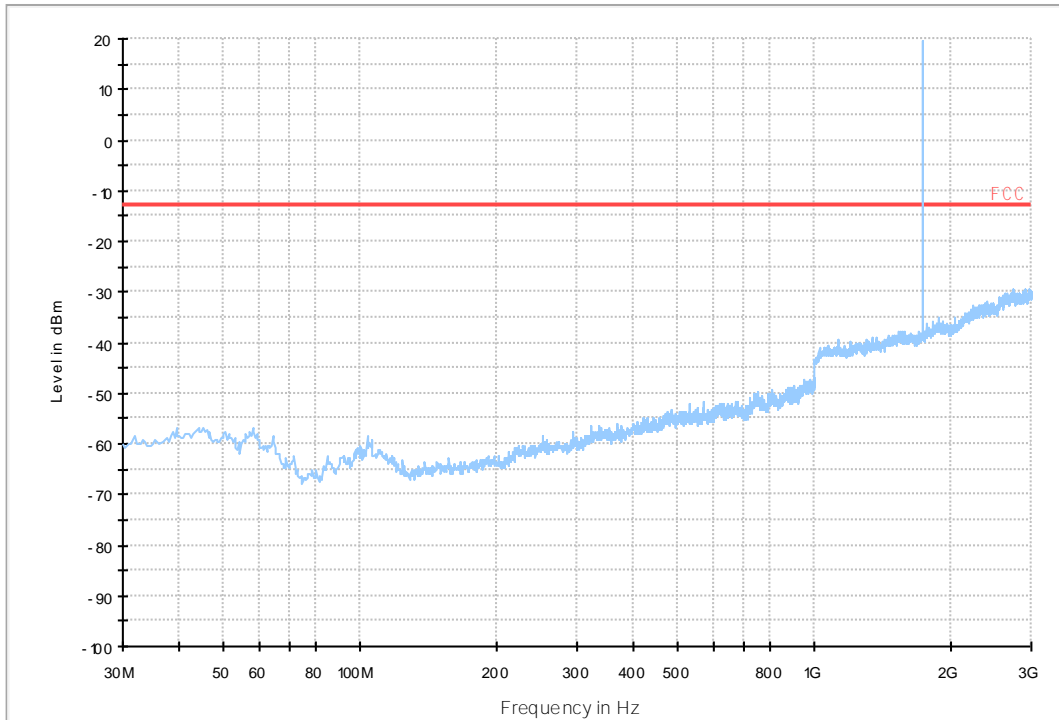
7.1.2 Test Band = BAND4_ANT2

7.1.2.1 Test Bandwidth = 1.4

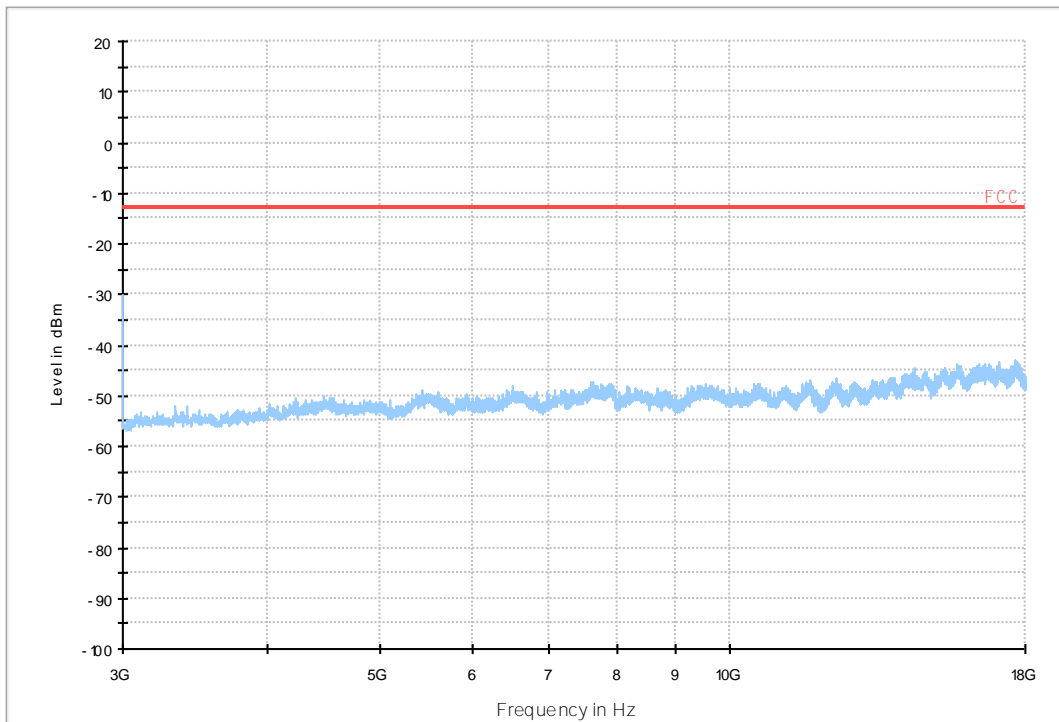




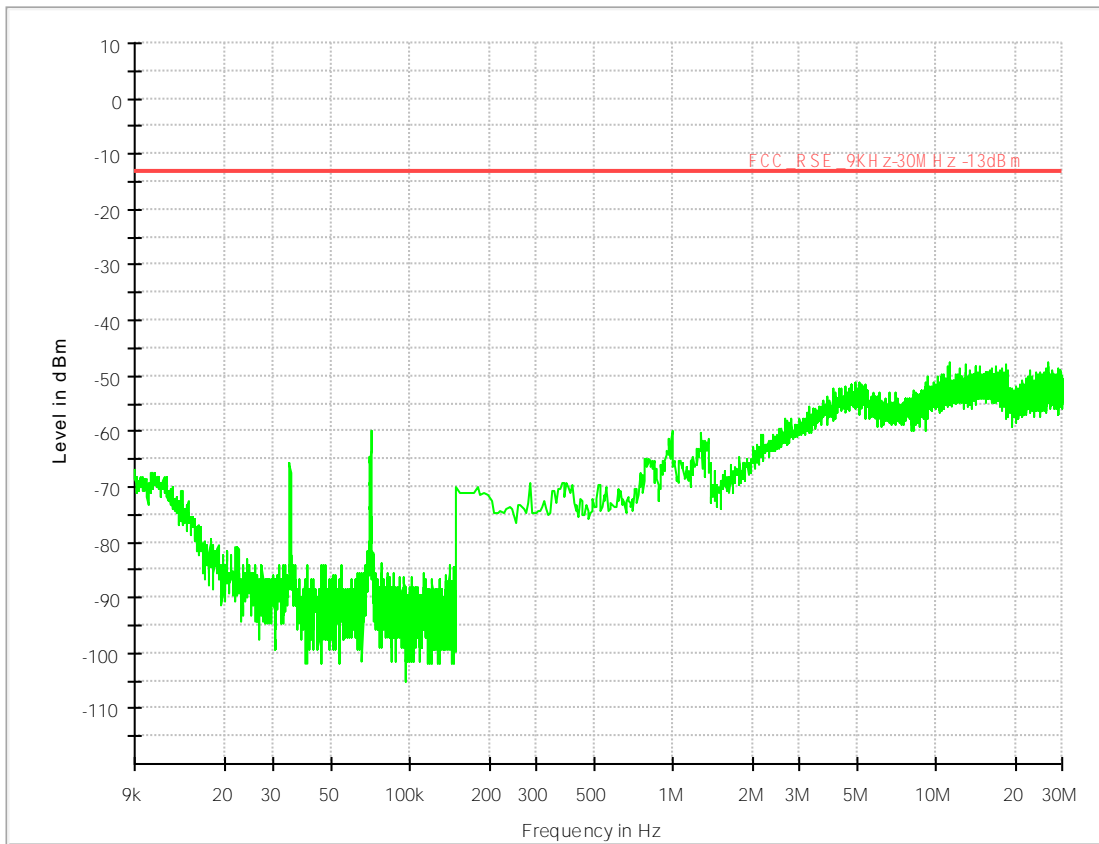
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



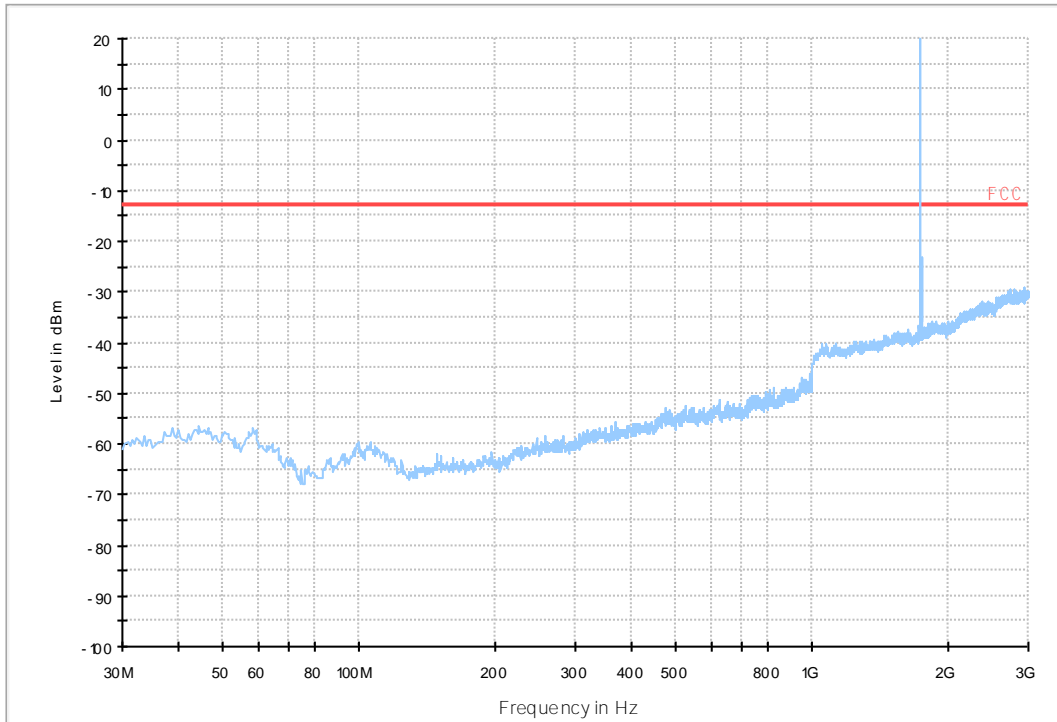
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



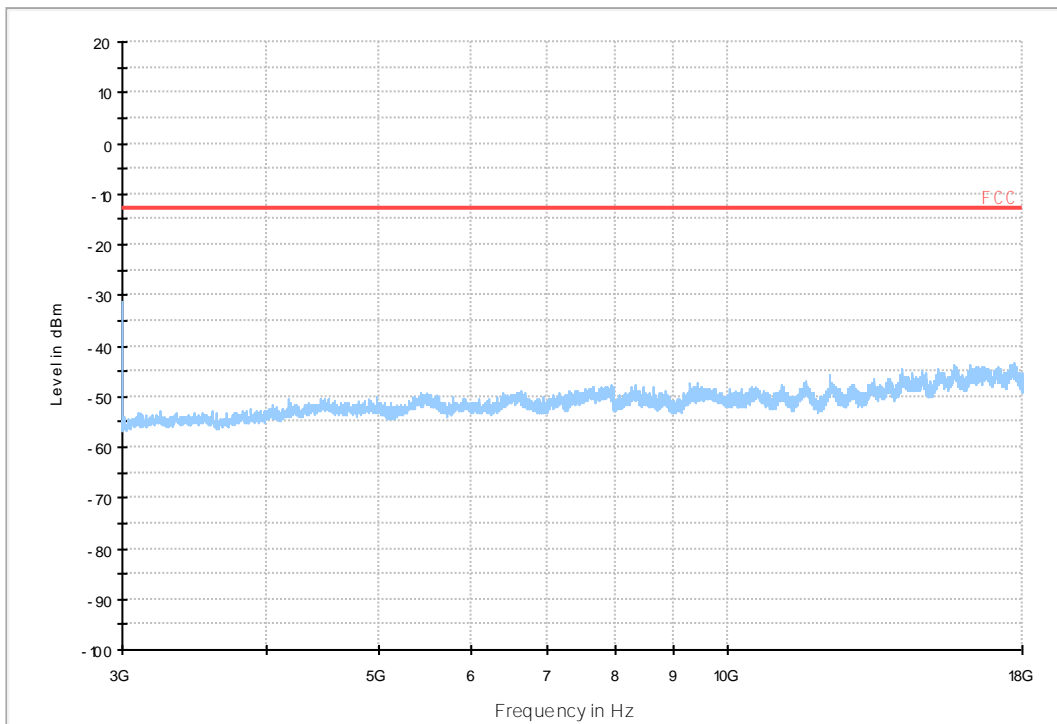
7.1.2.2 Test Bandwidth = 5



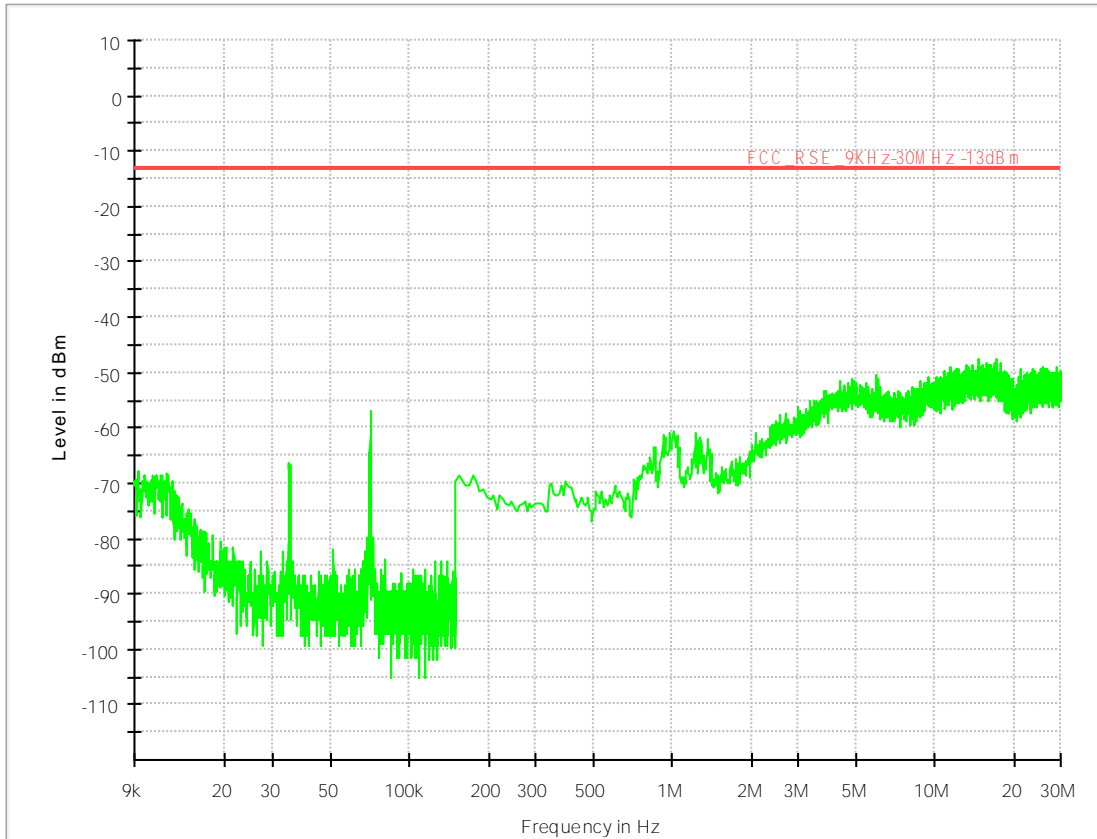
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

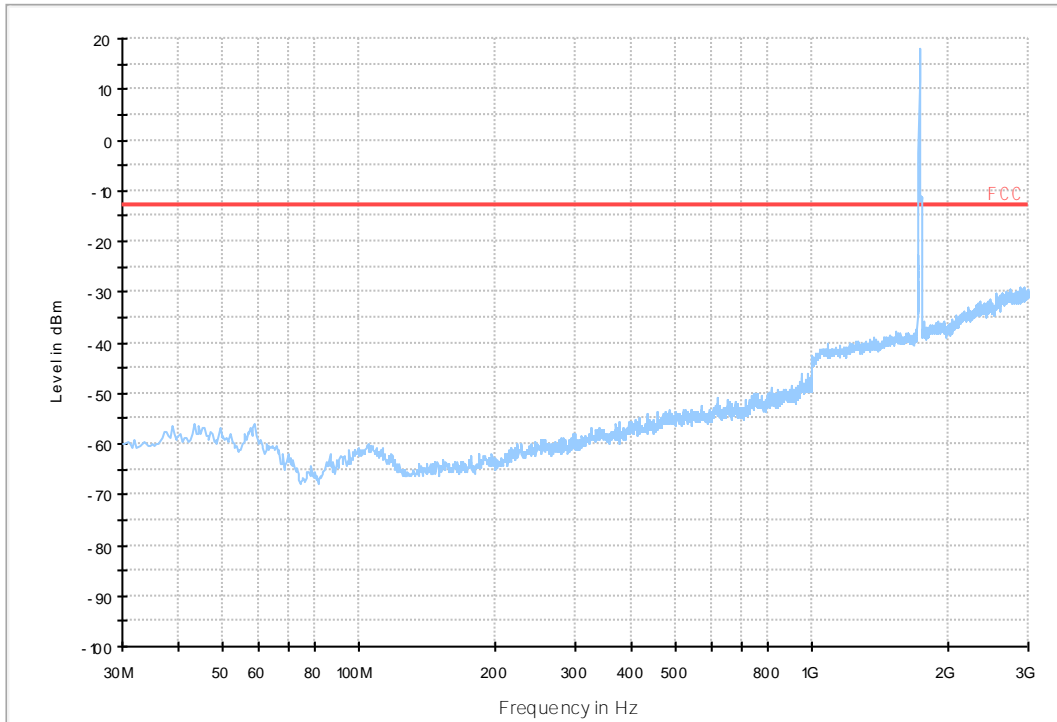


7.1.2.3 Test Bandwidth = 20

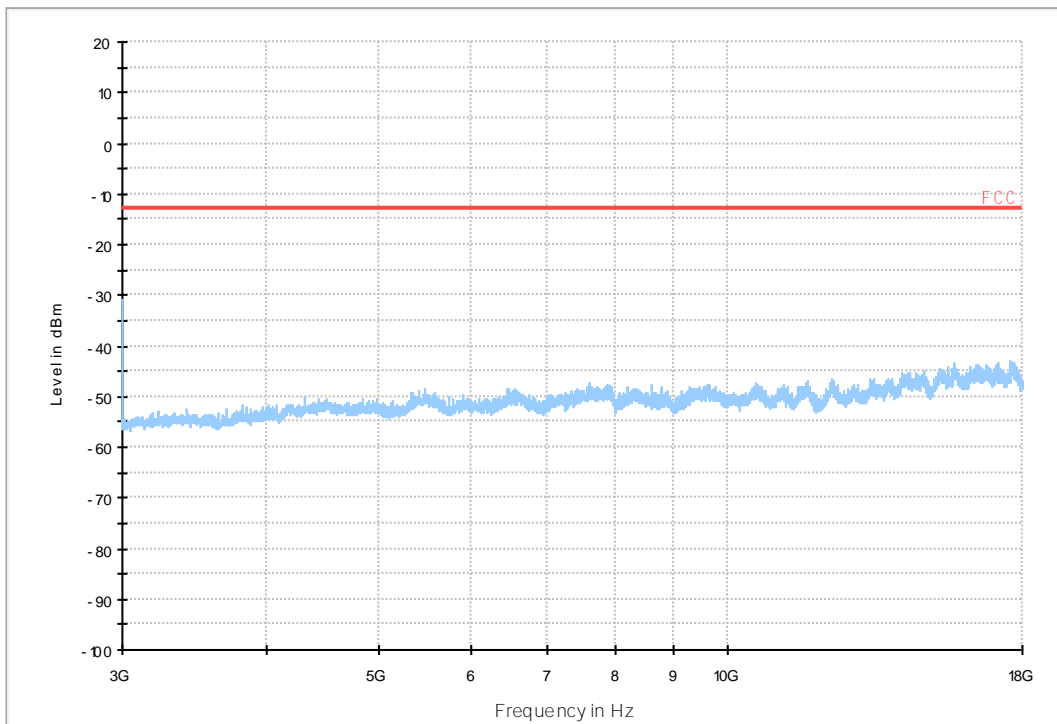




LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



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	1.63078	0.00095	PASS
					VN	172.86300	0.10105	PASS
					VH	-9.91344	-0.00579	PASS
			MCH	TN	VL	-6.72340	-0.00388	PASS
					VN	-62.45613	-0.03605	PASS
					VH	-40.81249	-0.02356	PASS
			HCH	TN	VL	3.47614	0.00198	PASS
					VN	29.54006	0.01684	PASS
					VH	-2.05994	-0.00117	PASS
		3	LCH	TN	VL	0.40054	0.00023	PASS
					VN	-1.11580	-0.00065	PASS
					VH	1.24455	0.00073	PASS
			MCH	TN	VL	-0.74387	-0.00043	PASS
					VN	-0.97275	-0.00056	PASS
					VH	-0.54359	-0.00031	PASS
			HCH	TN	VL	-2.93255	-0.00167	PASS
					VN	0.98705	0.00056	PASS
					VH	-7.12395	-0.00406	PASS
		5	LCH	TN	VL	-1.84536	-0.00108	PASS
					VN	-2.76089	-0.00161	PASS
					VH	-0.70095	-0.00041	PASS
			MCH	TN	VL	-1.58787	-0.00092	PASS
					VN	-6.88076	-0.00397	PASS
					VH	-1.94550	-0.00112	PASS
			HCH	TN	VL	-0.60081	-0.00034	PASS
					VN	1.63078	0.00093	PASS
					VH	-1.67370	-0.00096	PASS
		10	LCH	TN	VL	1.21593	0.00071	PASS
					VN	0.61512	0.00036	PASS
					VH	-1.17302	-0.00068	PASS
MCH	TN		VL	-2.23160	-0.00129	PASS		
			VN	-3.11851	-0.00180	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		15	HCH	TN	VH	-0.04292	-0.00002	PASS	
					VL	-0.50068	-0.00029	PASS	
					VN	0.78678	0.00045	PASS	
					VH	2.03133	0.00116	PASS	
			LCH	TN	VL	-2.96116	-0.00172	PASS	
					VN	0.31471	0.00018	PASS	
					VH	-0.30041	-0.00017	PASS	
				MCH	TN	VL	-1.51634	-0.00088	PASS
						VN	-2.00272	-0.00116	PASS
						VH	-0.54359	-0.00031	PASS
			HCH	TN	VL	-0.80109	-0.00046	PASS	
					VN	-0.05722	-0.00003	PASS	
		VH			15.36369	0.00879	PASS		
		20	LCH	TN	VL	-2.41756	-0.00141	PASS	
					VN	-2.50339	-0.00146	PASS	
					VH	-3.11851	-0.00181	PASS	
			MCH	TN	VL	-0.60081	-0.00035	PASS	
					VN	-1.45912	-0.00084	PASS	
					VH	-1.57356	-0.00091	PASS	
			HCH	TN	VL	-1.80244	-0.00103	PASS	
					VN	-2.00272	-0.00115	PASS	
					VH	-1.37329	-0.00079	PASS	
			1.4	LCH	TN	VL	-3.53336	-0.00207	PASS
						VN	29.31118	0.01713	PASS
						VH	-3.69072	-0.00216	PASS
		MCH		TN	VL	-7.71046	-0.00445	PASS	
					VN	-7.45296	-0.00430	PASS	
					VH	63.30013	0.03654	PASS	
		HCH		TN	VL	0.54359	0.00031	PASS	
					VN	73.22788	0.04174	PASS	
					VH	262.89940	0.14986	PASS	
		3		LCH	TN	VL	1.08719	0.00064	PASS
						VN	0.50068	0.00029	PASS
						VH	1.68800	0.00099	PASS
			MCH	TN	VL	2.67506	0.00154	PASS	
					VN	-4.60625	-0.00266	PASS	
					VH	20.22743	0.01168	PASS	
		HCH	TN	VL	-1.23024	-0.00070	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-3.04699	-0.00174	PASS
					VH	-1.25885	-0.00072	PASS
		5	LCH	TN	VL	-3.83377	-0.00224	PASS
					VN	-2.40326	-0.00140	PASS
					VH	-5.26428	-0.00307	PASS
			MCH	TN	VL	-2.60353	-0.00150	PASS
					VN	-2.36034	-0.00136	PASS
					VH	-1.94550	-0.00112	PASS
			HCH	TN	VL	-0.92983	-0.00053	PASS
					VN	-3.40462	-0.00194	PASS
					VH	-2.50339	-0.00143	PASS
		10	LCH	TN	VL	-4.99249	-0.00291	PASS
					VN	-1.78814	-0.00104	PASS
					VH	-1.00136	-0.00058	PASS
			MCH	TN	VL	-2.70367	-0.00156	PASS
					VN	-1.44482	-0.00083	PASS
					VH	-3.03268	-0.00175	PASS
			HCH	TN	VL	2.64645	0.00151	PASS
					VN	0.18597	0.00011	PASS
					VH	0.32902	0.00019	PASS
		15	LCH	TN	VL	-3.90530	-0.00227	PASS
					VN	-1.64509	-0.00096	PASS
					VH	-0.21458	-0.00012	PASS
			MCH	TN	VL	-1.55926	-0.00090	PASS
					VN	-1.07288	-0.00062	PASS
					VH	-4.17709	-0.00241	PASS
			HCH	TN	VL	-0.51498	-0.00029	PASS
					VN	-2.84672	-0.00163	PASS
					VH	0.41485	0.00024	PASS
		20	LCH	TN	VL	-5.26428	-0.00306	PASS
					VN	-5.43594	-0.00316	PASS
					VH	-2.96116	-0.00172	PASS
			MCH	TN	VL	-0.35763	-0.00021	PASS
					VN	-1.41621	-0.00082	PASS
					VH	-0.94414	-0.00054	PASS
			HCH	TN	VL	-2.27451	-0.00130	PASS
					VN	-3.44753	-0.00198	PASS
					VH	-2.03133	-0.00116	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	3.53336	0.00207	PASS
					-20	326.49990	0.19086	PASS
					-10	92.99755	0.05436	PASS
					0	7.12395	0.00416	PASS
					10	0.20027	0.00012	PASS
					20	172.86300	0.10105	PASS
					30	-16.02173	-0.00937	PASS
					40	85.95943	0.05025	PASS
					50	137.45780	0.08035	PASS
			MCH	VN	-30	-75.34504	-0.04349	PASS
					-20	14.61983	0.00844	PASS
					-10	82.42607	0.04758	PASS
					0	-58.15029	-0.03356	PASS
					10	3.37601	0.00195	PASS
					20	-62.45613	-0.03605	PASS
					30	0.35763	0.00021	PASS
					40	-57.16324	-0.03299	PASS
					50	-124.31140	-0.07175	PASS
			HCH	VN	-30	184.33570	0.10508	PASS
					-20	-75.47379	-0.04302	PASS
					-10	-169.64440	-0.09670	PASS
					0	105.67190	0.06024	PASS
					10	-27.58026	-0.01572	PASS
					20	29.54006	0.01684	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-40.38334	-0.02302	PASS		
					40	159.30180	0.09081	PASS		
					50	-3.08990	-0.00176	PASS		
					LCH	VN	-30	3.08990	0.00181	PASS
							-20	-2.44618	-0.00143	PASS
							-10	2.53200	0.00148	PASS
							0	-3.71933	-0.00217	PASS
							10	24.89090	0.01454	PASS
							20	-1.11580	-0.00065	PASS
		30	-0.97275	-0.00057			PASS			
		40	4.70638	0.00275			PASS			
		50	0.00000	0.00000			PASS			
		MCH	VN	-30	0.40054	0.00023	PASS			
				-20	-1.25885	-0.00073	PASS			
				-10	4.43459	0.00256	PASS			
				0	-3.90530	-0.00225	PASS			
				10	-2.14577	-0.00124	PASS			
				20	-0.97275	-0.00056	PASS			
				30	-5.99384	-0.00346	PASS			
				40	-0.41485	-0.00024	PASS			
				50	1.55926	0.00090	PASS			
		HCH	VN	-30	-6.62327	-0.00378	PASS			
				-20	18.36777	0.01047	PASS			
				-10	-2.01702	-0.00115	PASS			
				0	-4.72069	-0.00269	PASS			
				10	-0.82970	-0.00047	PASS			
				20	0.98705	0.00056	PASS			
				30	2.21729	0.00126	PASS			
				40	-1.21593	-0.00069	PASS			
				50	1.53065	0.00087	PASS			
5	LCH	VN	-30	-3.59058	-0.00210	PASS				
			-20	-5.24998	-0.00307	PASS				
			-10	-1.88827	-0.00110	PASS				
			0	-5.37872	-0.00314	PASS				
			10	-0.71526	-0.00042	PASS				
			20	-2.76089	-0.00161	PASS				
			30	-3.34740	-0.00195	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	-2.81811	-0.00165	PASS	
					50	2.43187	0.00142	PASS	
			MCH	VN	-30	-3.71933	-0.00215	PASS	
					-20	-1.13010	-0.00065	PASS	
					-10	-2.68936	-0.00155	PASS	
					0	-1.78814	-0.00103	PASS	
					10	2.70367	0.00156	PASS	
					20	-6.88076	-0.00397	PASS	
					30	-4.23431	-0.00244	PASS	
					40	-1.77383	-0.00102	PASS	
					50	-0.58651	-0.00034	PASS	
					HCH	VN	-30	-3.34740	-0.00191
			-20	-5.27859			-0.00301	PASS	
			-10	-4.34875			-0.00248	PASS	
			0	-1.90258			-0.00109	PASS	
			10	-2.10285			-0.00120	PASS	
		20	1.63078	0.00093			PASS		
		30	-0.60081	-0.00034			PASS		
		40	-3.97682	-0.00227			PASS		
		10		LCH	VN	-30	-1.67370	-0.00098	PASS
						-20	-1.15871	-0.00068	PASS
						-10	1.85966	0.00108	PASS
						0	-0.78678	-0.00046	PASS
						10	-1.58787	-0.00093	PASS
						20	0.61512	0.00036	PASS
						30	-0.05722	-0.00003	PASS
						40	-1.73092	-0.00101	PASS
				50	-1.47343	-0.00086	PASS		
				MCH	VN	-30	-1.05858	-0.00061	PASS
						-20	-0.32902	-0.00019	PASS
						-10	1.91688	0.00111	PASS
						0	-1.33038	-0.00077	PASS
10	-4.27723					-0.00247	PASS		
20	-3.11851					-0.00180	PASS		
30	-1.51634					-0.00088	PASS		
40	-2.87533	-0.00166	PASS						
50	0.30041	0.00017	PASS						
HCH	VN	-30	-1.67370	-0.00096	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.75817	-0.00043	PASS
					-10	-1.20163	-0.00069	PASS
					0	1.91688	0.00110	PASS
					10	2.68936	0.00154	PASS
					20	0.78678	0.00045	PASS
					30	2.64645	0.00151	PASS
					40	-3.90530	-0.00223	PASS
					50	-5.77927	-0.00330	PASS
		15	LCH	VN	-30	-2.18868	-0.00127	PASS
					-20	-1.80244	-0.00105	PASS
					-10	1.04427	0.00061	PASS
					0	-3.14712	-0.00183	PASS
					10	-2.83241	-0.00165	PASS
					20	0.31471	0.00018	PASS
					30	-0.90122	-0.00052	PASS
					40	0.48637	0.00028	PASS
			50	-0.07153	-0.00004	PASS		
			MCH	VN	-30	-1.64509	-0.00095	PASS
					-20	-2.76089	-0.00159	PASS
					-10	-2.05994	-0.00119	PASS
					0	-1.88827	-0.00109	PASS
					10	-3.19004	-0.00184	PASS
					20	-2.00272	-0.00116	PASS
					30	-4.39167	-0.00253	PASS
					40	-1.45912	-0.00084	PASS
			50	-4.76360	-0.00275	PASS		
			HCH	VN	-30	-0.37193	-0.00021	PASS
					-20	-1.90258	-0.00109	PASS
					-10	-1.21593	-0.00070	PASS
					0	0.44346	0.00025	PASS
					10	-2.01702	-0.00115	PASS
					20	-0.05722	-0.00003	PASS
		30			-0.50068	-0.00029	PASS	
		40			0.67234	0.00038	PASS	
		50	-0.28610	-0.00016	PASS			
		20	LCH	VN	-30	-2.93255	-0.00170	PASS
					-20	-2.84672	-0.00166	PASS
					-10	-2.17438	-0.00126	PASS
					0	-3.11851	-0.00181	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-5.29289	-0.00308	PASS
					20	-2.50339	-0.00146	PASS
					30	-3.71933	-0.00216	PASS
					40	2.16007	0.00126	PASS
					50	-4.04835	-0.00235	PASS
			MCH	VN	-30	-0.54359	-0.00031	PASS
					-20	-1.91688	-0.00111	PASS
					-10	-2.16007	-0.00125	PASS
					0	-1.67370	-0.00097	PASS
					10	-0.61512	-0.00036	PASS
					20	-1.45912	-0.00084	PASS
					30	-4.01974	-0.00232	PASS
					40	-2.86102	-0.00165	PASS
			HCH	VN	50	-2.88963	-0.00167	PASS
					-30	-4.79221	-0.00275	PASS
					-20	-51.35536	-0.02943	PASS
					-10	-3.59058	-0.00206	PASS
					0	-3.30448	-0.00189	PASS
					10	-0.54359	-0.00031	PASS
					20	-2.00272	-0.00115	PASS
					30	-2.73228	-0.00157	PASS
			LCH	VN	40	-4.36306	-0.00250	PASS
					50	-3.36170	-0.00193	PASS
					-30	115.02740	0.06724	PASS
					-20	77.91996	0.04555	PASS
					-10	139.87540	0.08177	PASS
					0	77.24762	0.04516	PASS
					10	-103.02540	-0.06022	PASS
					20	29.31118	0.01713	PASS
					30	-28.62453	-0.01673	PASS
40	25.04826	0.01464			PASS			
MCH	VN	50	117.10170	0.06845	PASS			
		-30	-1.20163	-0.00069	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					-20	-195.736 90	-0.11298	PASS					
					-10	-84.1856 0	-0.04859	PASS					
					0	-65.6461 7	-0.03789	PASS					
					10	-117.902 80	-0.06805	PASS					
					20	-7.45296	-0.00430	PASS					
					30	-48.6803 1	-0.02810	PASS					
					40	-61.9554 5	-0.03576	PASS					
					50	-105.943 70	-0.06115	PASS					
					HCH	VN	3			-30	57.32059	0.03267	PASS
										-20	-123.953 80	-0.07066	PASS
										-10	38.03730	0.02168	PASS
										0	91.42399	0.05211	PASS
										10	240.6693 0	0.13719	PASS
										20	73.22788	0.04174	PASS
		30	98.86265	0.05635						PASS			
		40	-106.587 40	-0.06076	PASS								
		50	-78.6781 3	-0.04485	PASS								
		LCH	VN					-30	1.35899	0.00079	PASS		
								-20	0.75817	0.00044	PASS		
								-10	0.60081	0.00035	PASS		
								0	-2.23160	-0.00130	PASS		
								10	2.68936	0.00157	PASS		
							20	0.50068	0.00029	PASS			
							30	1.55926	0.00091	PASS			
							40	-1.30177	-0.00076	PASS			
		50	-0.72956	-0.00043	PASS								
		MCH	VN				-30	-0.72956	-0.00042	PASS			
-20	-5.80788						-0.00335	PASS					
-10	-4.92096						-0.00284	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-1.13010	-0.00065	PASS		
					10	-0.61512	-0.00036	PASS		
					20	-4.60625	-0.00266	PASS		
					30	-2.74658	-0.00159	PASS		
					40	0.15736	0.00009	PASS		
					50	-4.92096	-0.00284	PASS		
			HCH	VN	-30	-4.07696	-0.00233	PASS		
					-20	0.01431	0.00001	PASS		
					-10	-1.07288	-0.00061	PASS		
					0	-2.03133	-0.00116	PASS		
					10	2.24590	0.00128	PASS		
					20	-3.04699	-0.00174	PASS		
					30	-3.50475	-0.00200	PASS		
					40	-3.46184	-0.00197	PASS		
					50	-1.74522	-0.00100	PASS		
					LCH	VN	-30	-4.66347	-0.00272	PASS
							-20	-2.84672	-0.00166	PASS
							-10	-1.65939	-0.00097	PASS
							0	2.40326	0.00140	PASS
							10	-0.98705	-0.00058	PASS
		20	-2.40326	-0.00140			PASS			
		30	-4.50611	-0.00263			PASS			
		40	-2.20299	-0.00129			PASS			
		50	-3.33309	-0.00195			PASS			
		MCH	VN	-30			-44.13128	-0.02547	PASS	
				-20	0.25749	0.00015	PASS			
				-10	-2.61784	-0.00151	PASS			
				0	-4.27723	-0.00247	PASS			
				10	-3.54767	-0.00205	PASS			
				20	-2.36034	-0.00136	PASS			
				30	-3.47614	-0.00201	PASS			
				40	-1.00136	-0.00058	PASS			
				50	0.98705	0.00057	PASS			
				HCH	VN	-30	0.04292	0.00002	PASS	
		-20	-2.04563			-0.00117	PASS			
		-10	-5.67913			-0.00324	PASS			
		0	-5.42164			-0.00309	PASS			
		10	-2.18868			-0.00125	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-3.40462	-0.00194	PASS		
					30	-4.29153	-0.00245	PASS		
					40	-1.37329	-0.00078	PASS		
					50	-4.03404	-0.00230	PASS		
		10	LCH	VN	-30	-0.65804	-0.00038	PASS		
					-20	-3.97682	-0.00232	PASS		
					-10	-2.50339	-0.00146	PASS		
					0	0.37193	0.00022	PASS		
					10	-0.35763	-0.00021	PASS		
					20	-1.78814	-0.00104	PASS		
					30	-2.76089	-0.00161	PASS		
					40	-0.92983	-0.00054	PASS		
					50	-3.84808	-0.00224	PASS		
					MCH	VN	-30	-5.67913	-0.00328	PASS
							-20	-2.23160	-0.00129	PASS
							-10	-4.47750	-0.00258	PASS
							0	-2.54631	-0.00147	PASS
							10	-3.70503	-0.00214	PASS
							20	-1.44482	-0.00083	PASS
							30	-5.37872	-0.00310	PASS
			40	-5.29289			-0.00306	PASS		
			HCH	VN	50	0.78678	0.00045	PASS		
					-30	-1.83106	-0.00105	PASS		
					-20	-3.03268	-0.00173	PASS		
					-10	-1.08719	-0.00062	PASS		
					0	1.24455	0.00071	PASS		
					10	1.08719	0.00062	PASS		
					20	0.18597	0.00011	PASS		
					30	-0.41485	-0.00024	PASS		
			15	LCH	VN	40	-0.35763	-0.00020	PASS	
						50	0.81539	0.00047	PASS	
						-30	-2.81811	-0.00164	PASS	
-20	-1.20163	-0.00070				PASS				
-10	0.42915	0.00025				PASS				
0	-1.77383	-0.00103				PASS				
10	-1.27316	-0.00074				PASS				
20	-1.64509	-0.00096				PASS				
30	-0.88692	-0.00052	PASS							
40	-2.20299	-0.00128	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	50	-0.71526	-0.00042	PASS
					-30	-1.74522	-0.00101	PASS
					-20	-3.79086	-3.79086	PASS
					-10	-0.65804	-0.00038	PASS
					0	-2.81811	-0.00163	PASS
					10	-1.00136	-0.00058	PASS
					20	-1.07288	-0.00062	PASS
					30	-3.43323	-0.00198	PASS
					40	0.01431	0.00001	PASS
					50	-3.80516	-0.00220	PASS
			HCH	VN	-30	0.28610	0.00016	PASS
					-20	-1.75953	-0.00101	PASS
					-10	0.08583	0.00005	PASS
					0	-1.80244	-0.00103	PASS
					10	-1.21593	-0.00070	PASS
					20	-2.84672	-0.00163	PASS
					30	-0.28610	-0.00016	PASS
					40	-2.16007	-0.00124	PASS
					50	-0.55790	-0.00032	PASS
					20	LCH	VN	-30
		-20	-4.79221	-0.00279				PASS
		-10	-4.10557	-0.00239				PASS
		0	-5.06401	-0.00294				PASS
		10	15.89298	0.00924				PASS
		20	-5.43594	-0.00316				PASS
		30	-4.29153	-0.00250				PASS
		40	-2.21729	-0.00129				PASS
		50	-2.91824	-0.00170				PASS
		MCH	VN	-30				-0.15736
				-20		-3.94821	-0.00228	PASS
				-10		-3.97682	-0.00230	PASS
				0		-1.43051	-0.00083	PASS
				10		0.31471	0.00018	PASS
				20		-1.41621	-0.00082	PASS
				30		-4.10557	-0.00237	PASS
				40		-0.88692	-0.00051	PASS
				50		-1.88827	-0.00109	PASS
				HCH		VN	-30	-2.81811
		-20	3.01838				0.00173	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-5.95093	-0.00341	PASS
					0	-2.11716	-0.00121	PASS
					10	0.24319	0.00014	PASS
					20	-3.44753	-0.00198	PASS
					30	-2.97546	-0.00171	PASS
					40	-1.33038	-0.00076	PASS
					50	-1.93119	-0.00111	PASS

END