

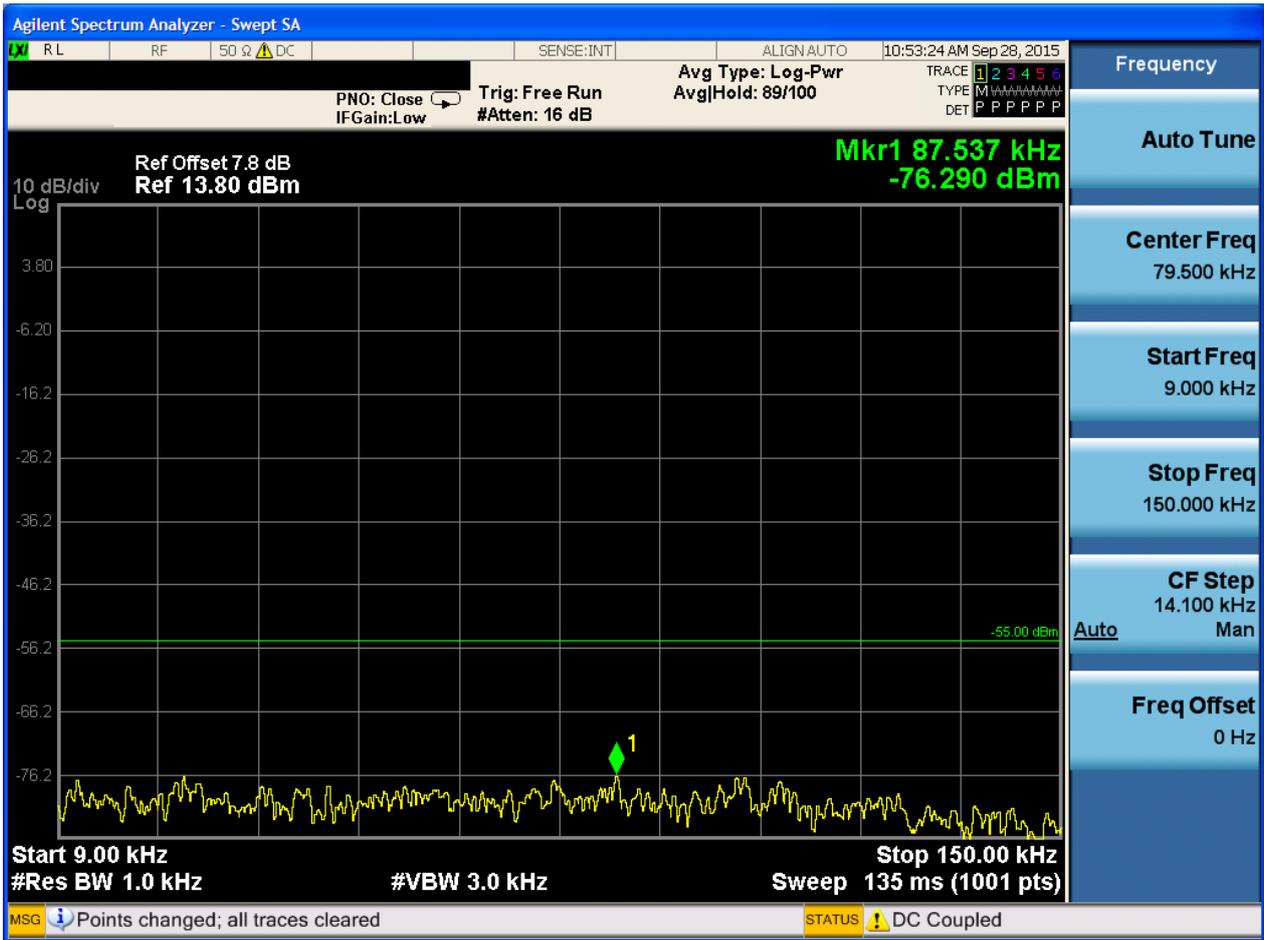


6.1.3.2 Test Mode = LTE/TM2

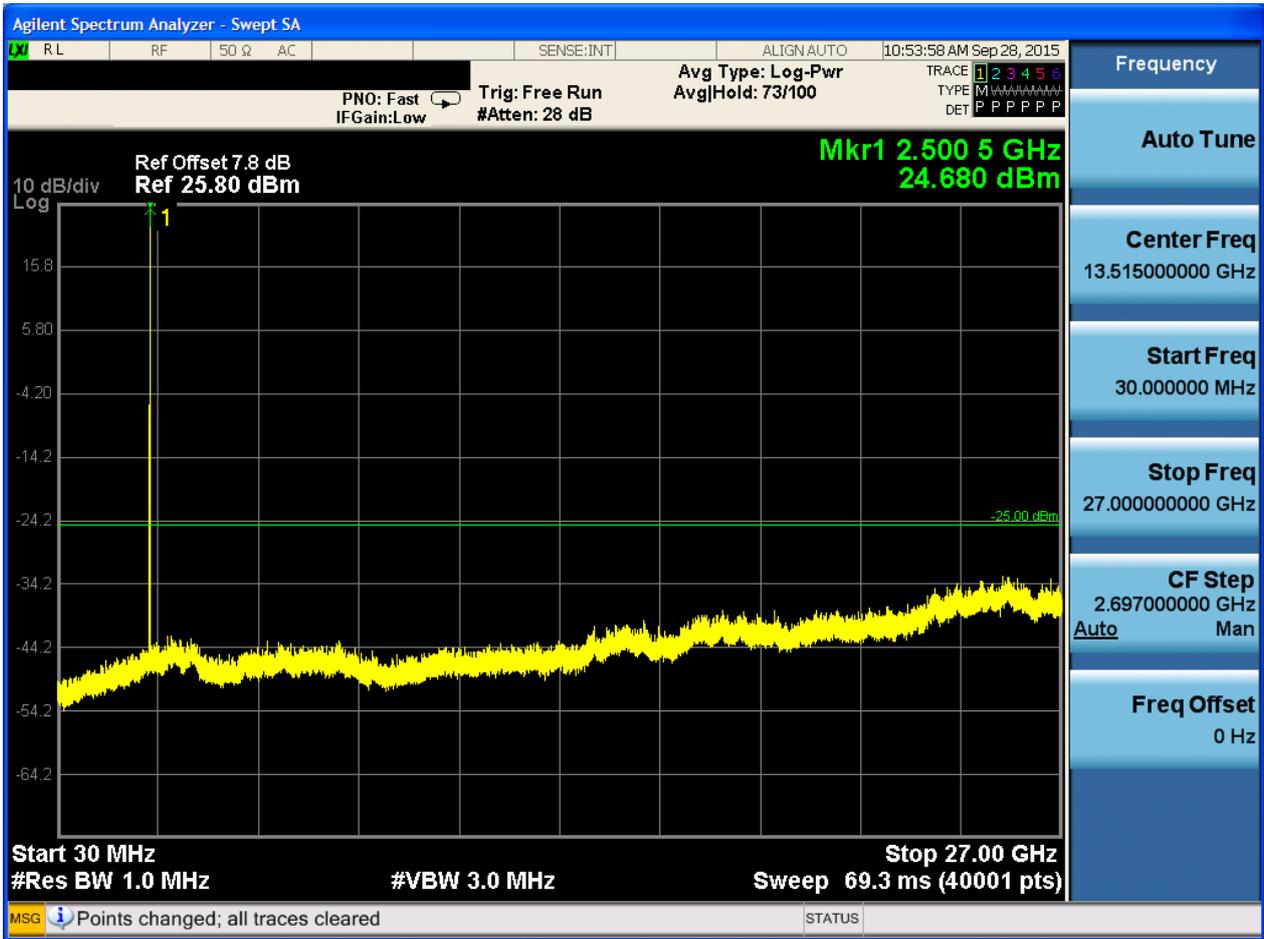
6.1.3.2.1 Test Bandwidth = 5

6.1.3.2.1.1 Test Channel = LCH

6.1.3.2.1.1.1 Test RB = RB1#0









6.1.3.2.1.2 Test Channel = MCH

6.1.3.2.1.2.1 Test RB = RB1#0

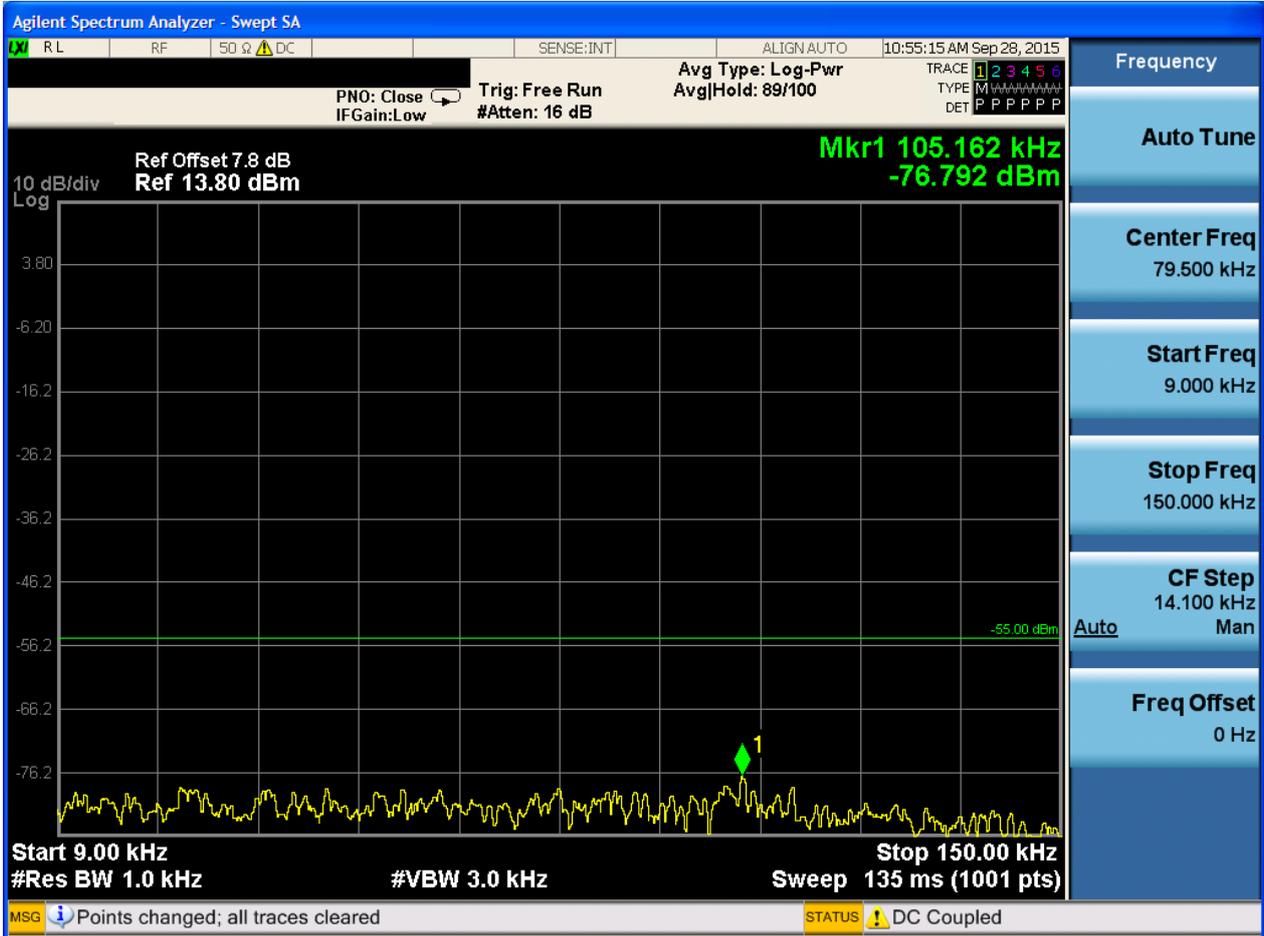






6.1.3.2.1.3 Test Channel = HCH

6.1.3.2.1.3.1 Test RB = RB1#0



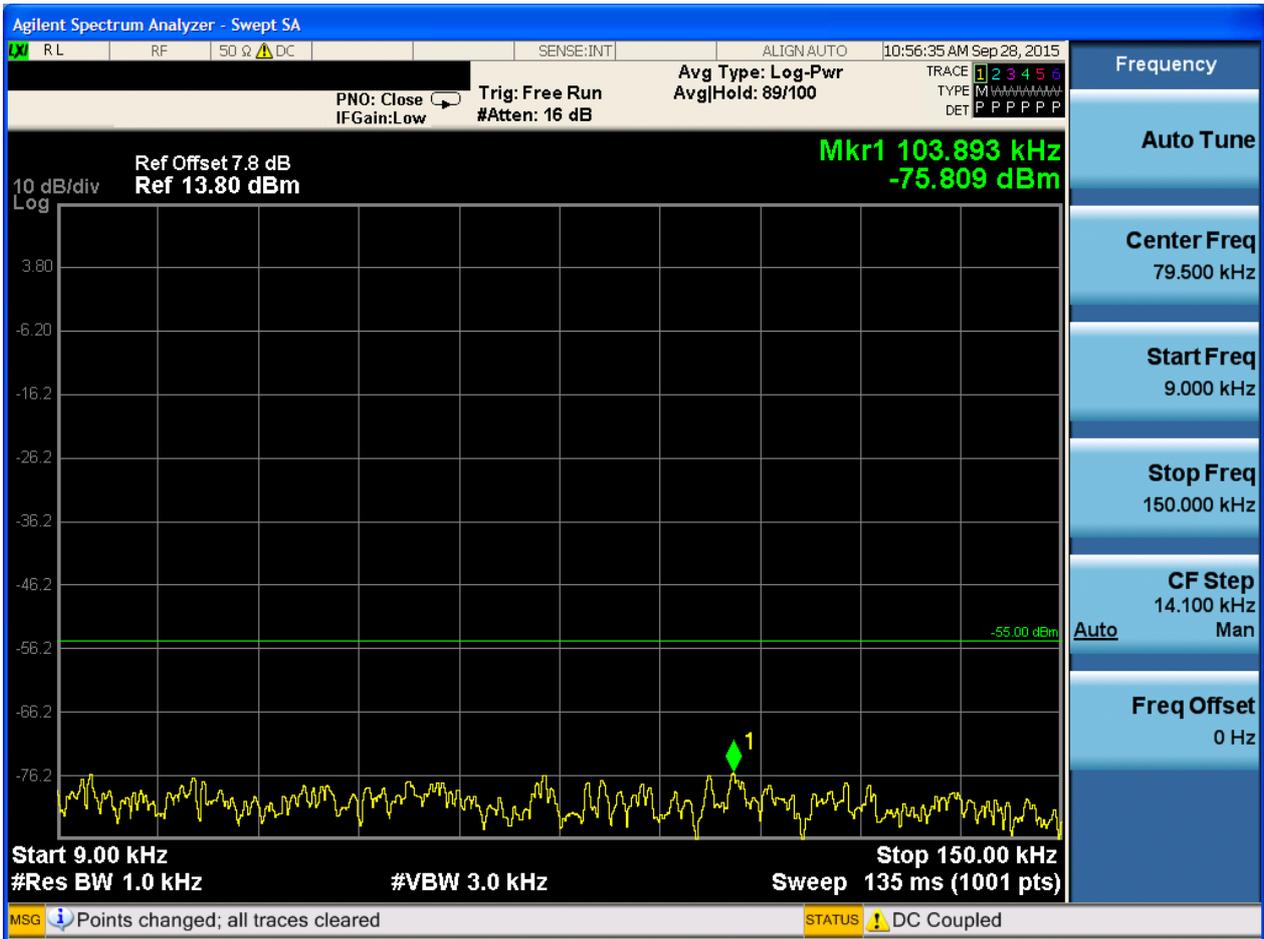


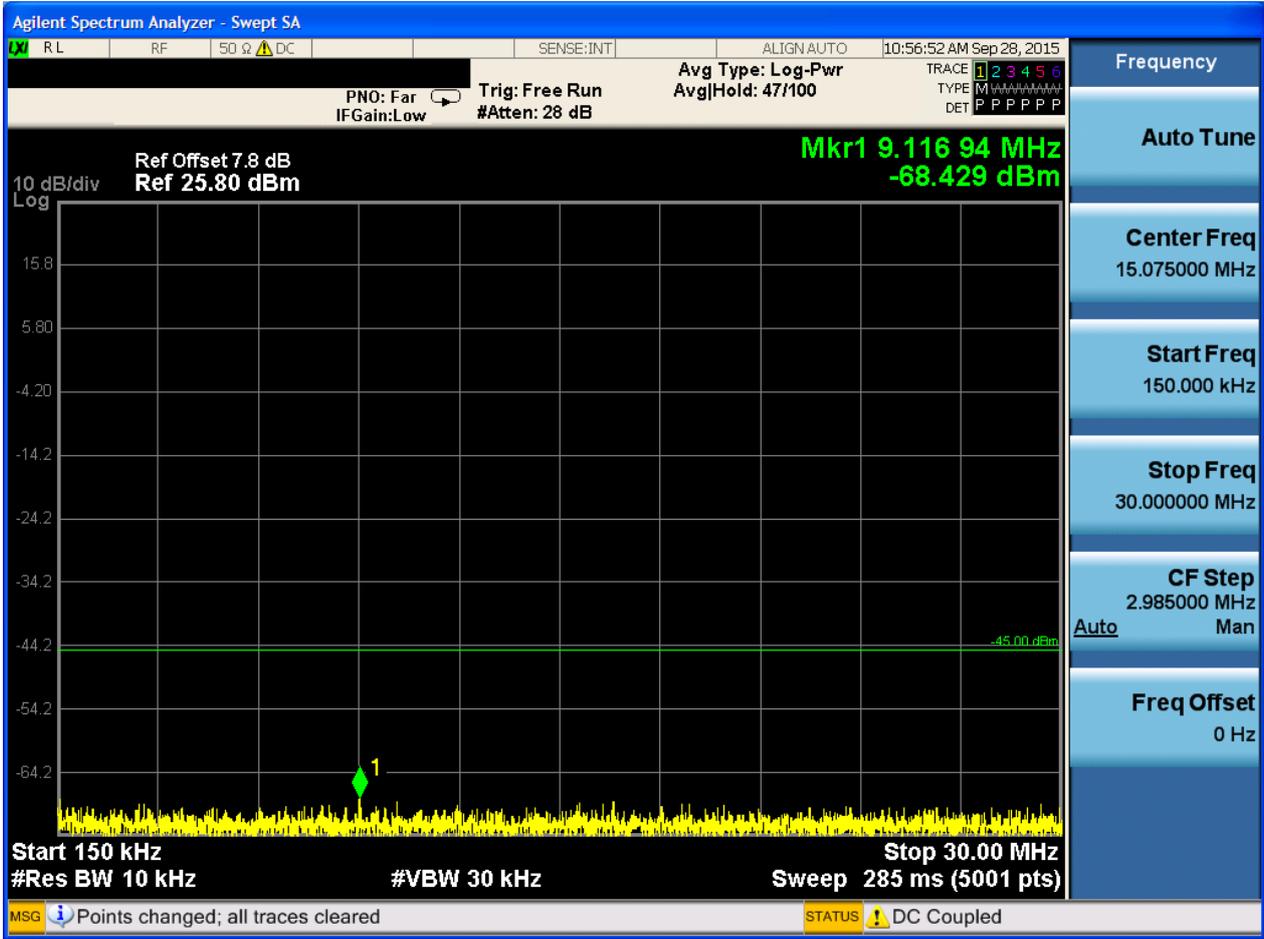


6.1.3.2.2 Test Bandwidth = 10

6.1.3.2.2.1 Test Channel = LCH

6.1.3.2.2.1.1 Test RB = RB1#0

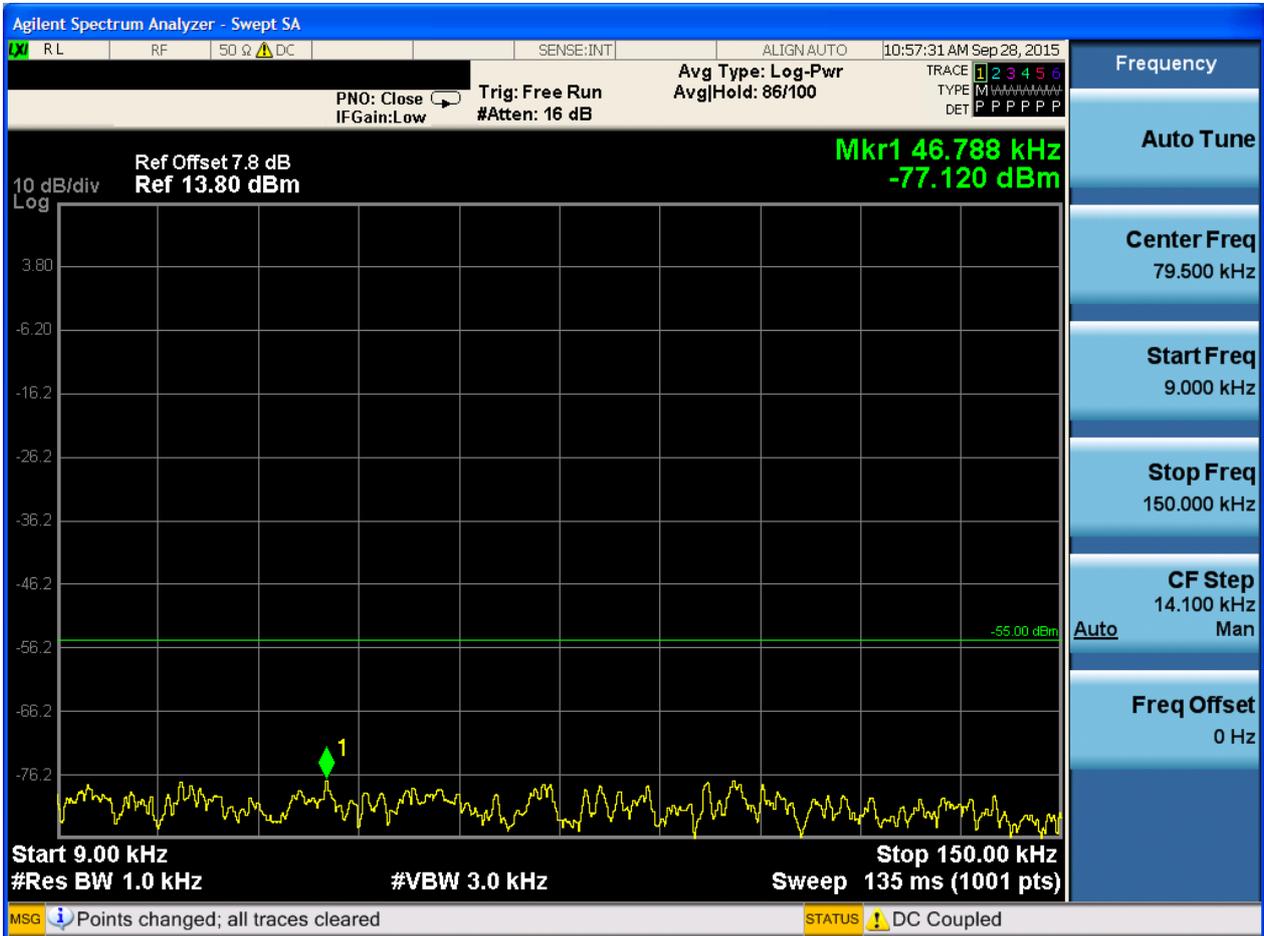




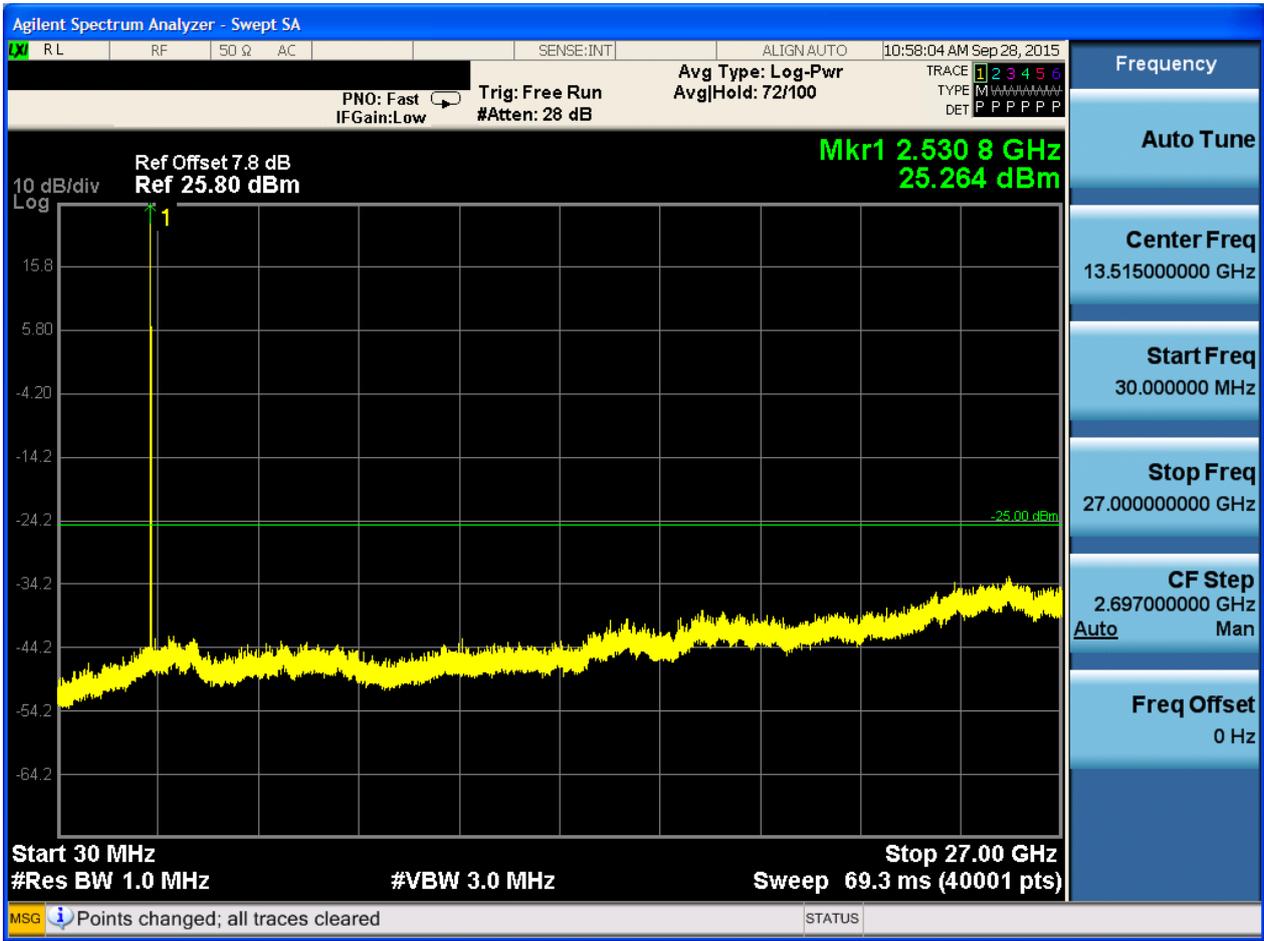


6.1.3.2.2 Test Channel = MCH

6.1.3.2.2.1 Test RB = RB1#0



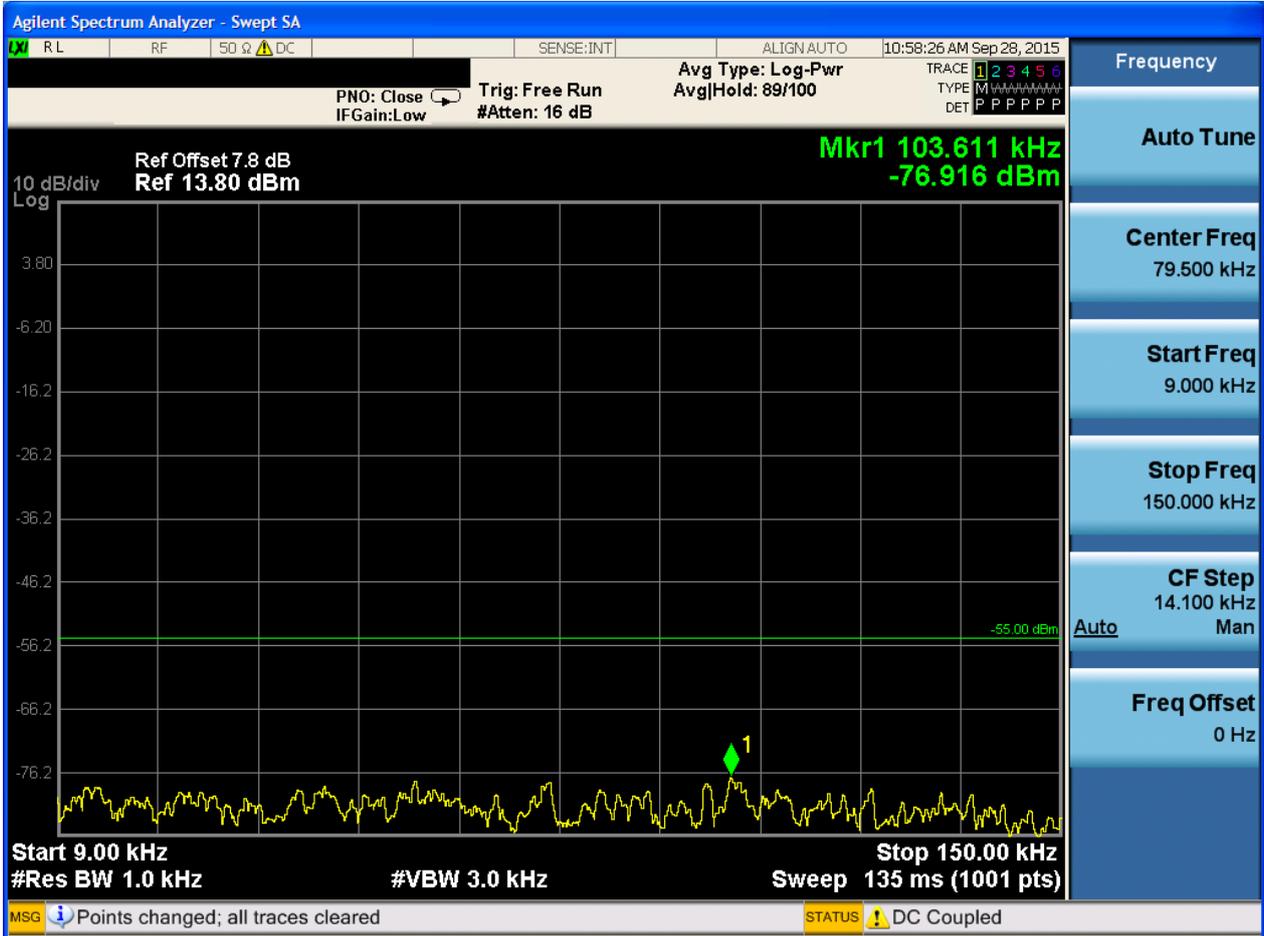






6.1.3.2.2.3 Test Channel = HCH

6.1.3.2.2.3.1 Test RB = RB1#0



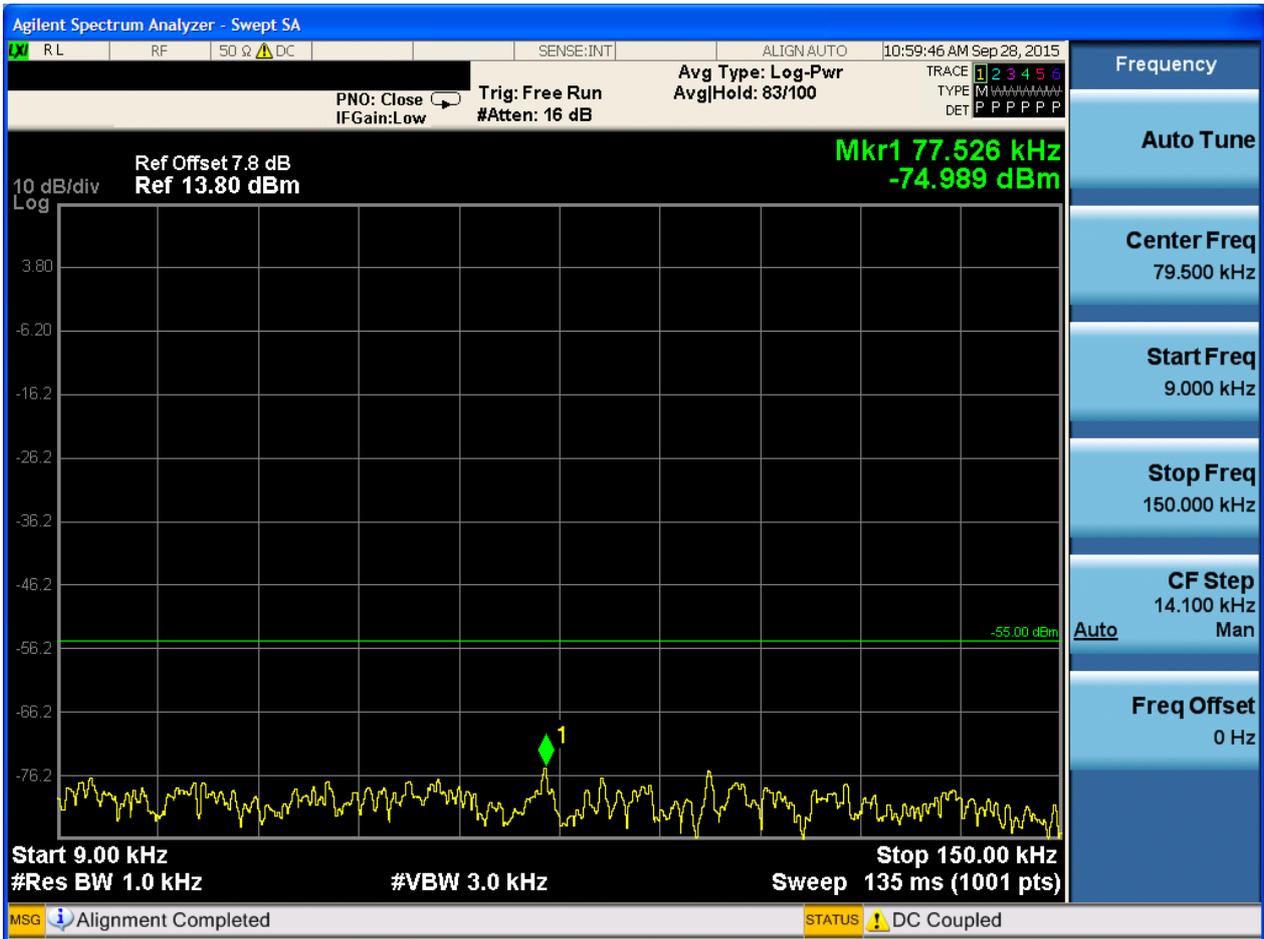




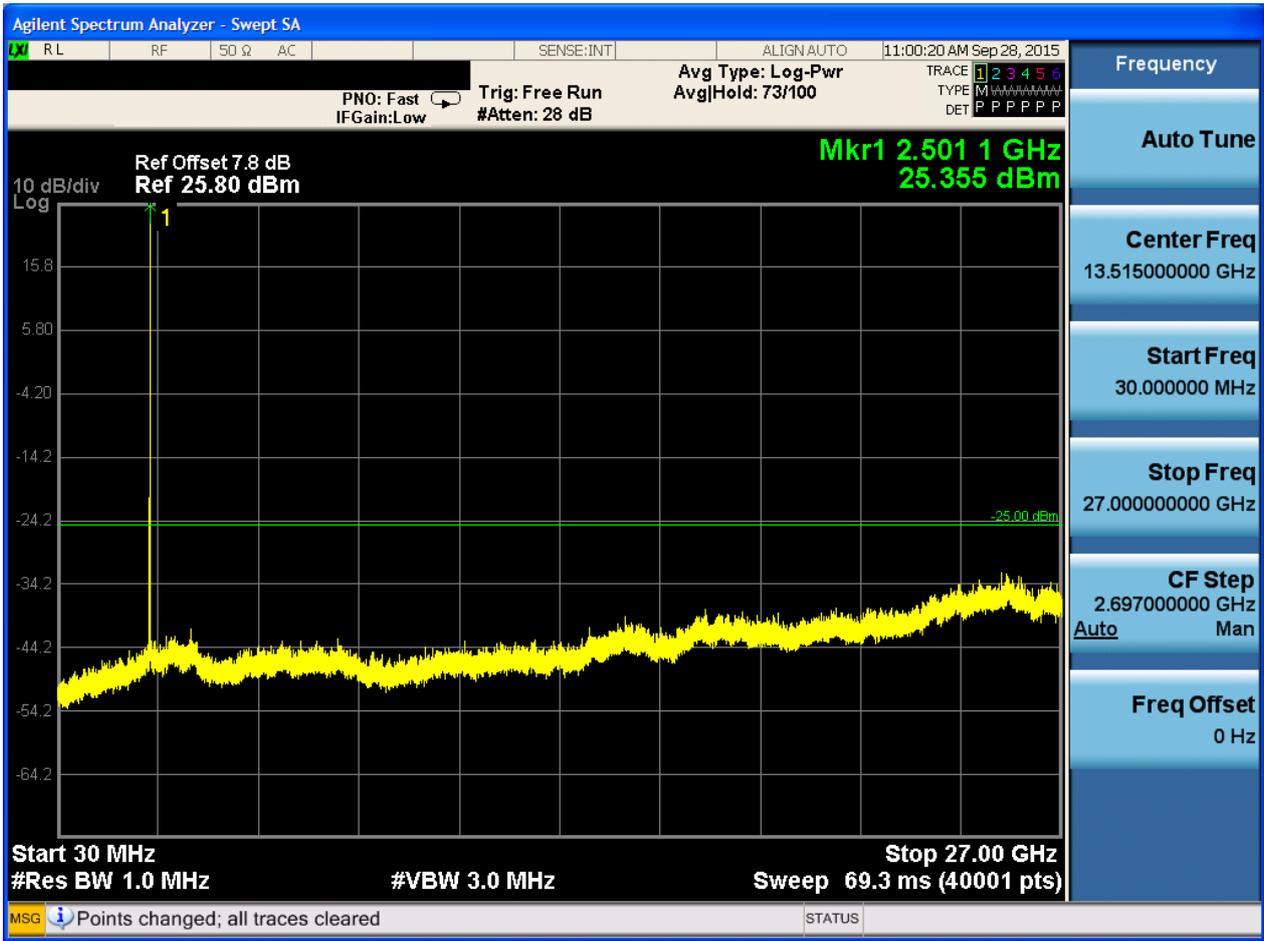
6.1.3.2.3 Test Bandwidth = 15

6.1.3.2.3.1 Test Channel = LCH

6.1.3.2.3.1.1 Test RB = RB1#0





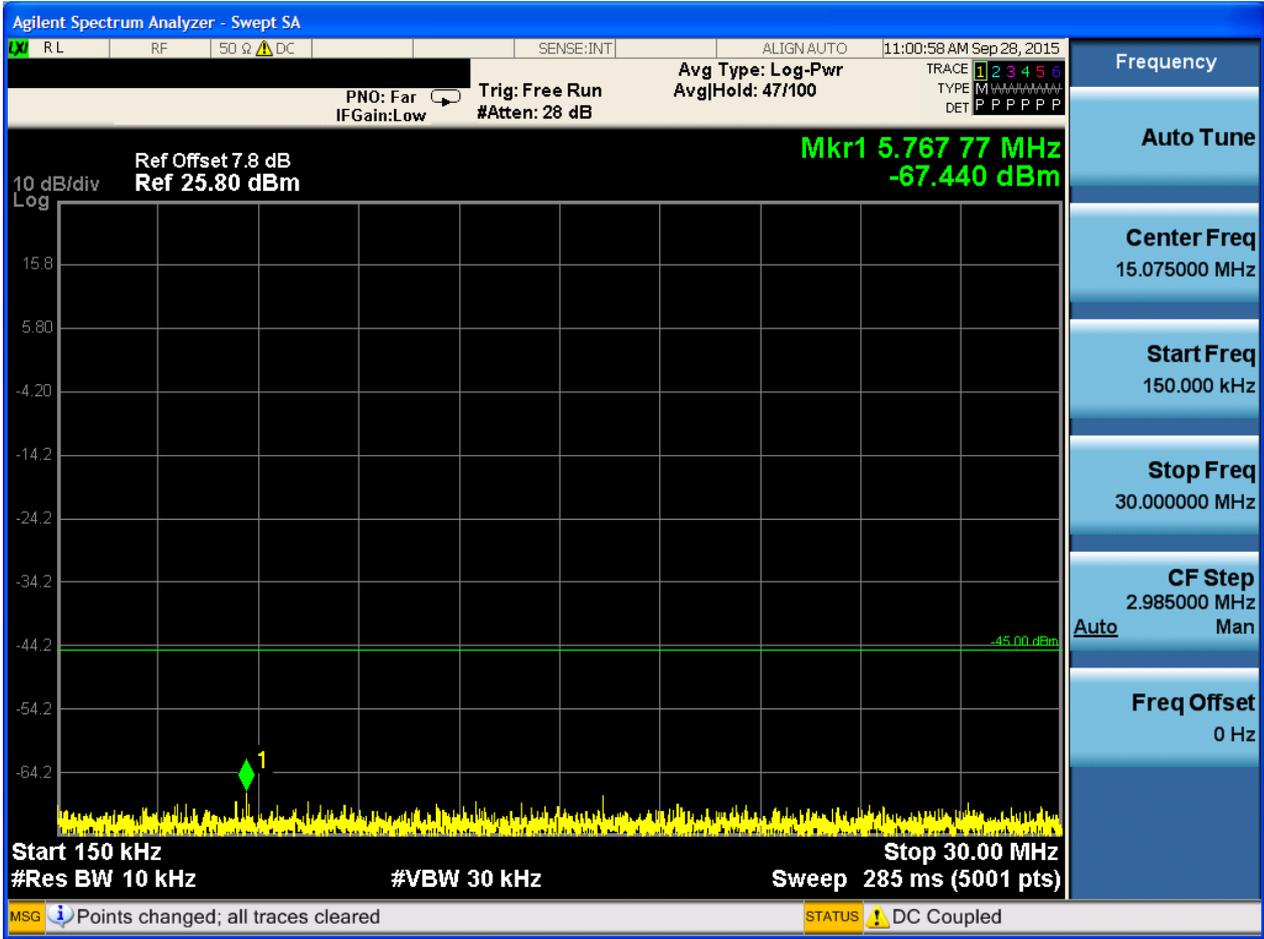


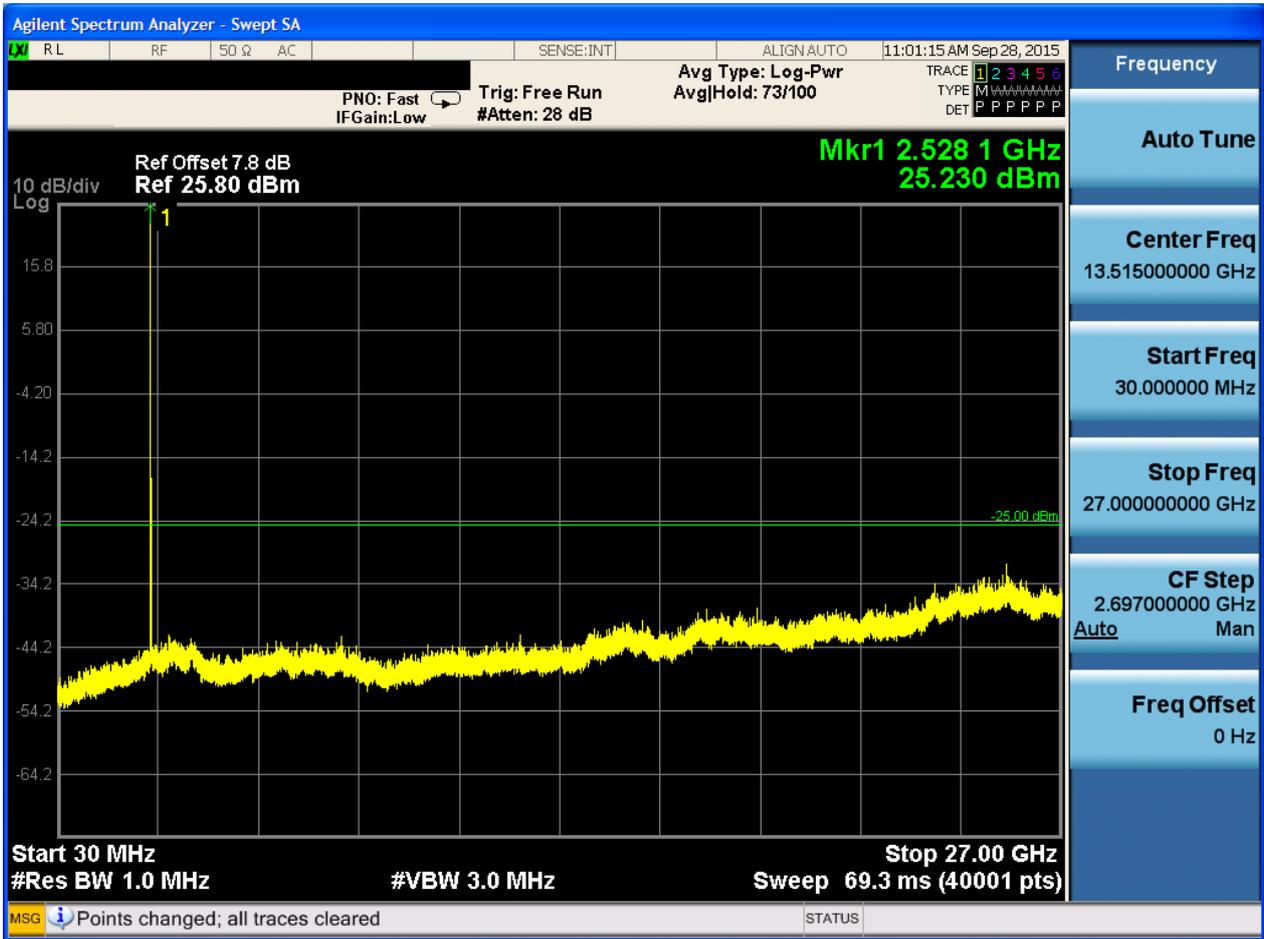


6.1.3.2.3.2 Test Channel = MCH

6.1.3.2.3.2.1 Test RB = RB1#0

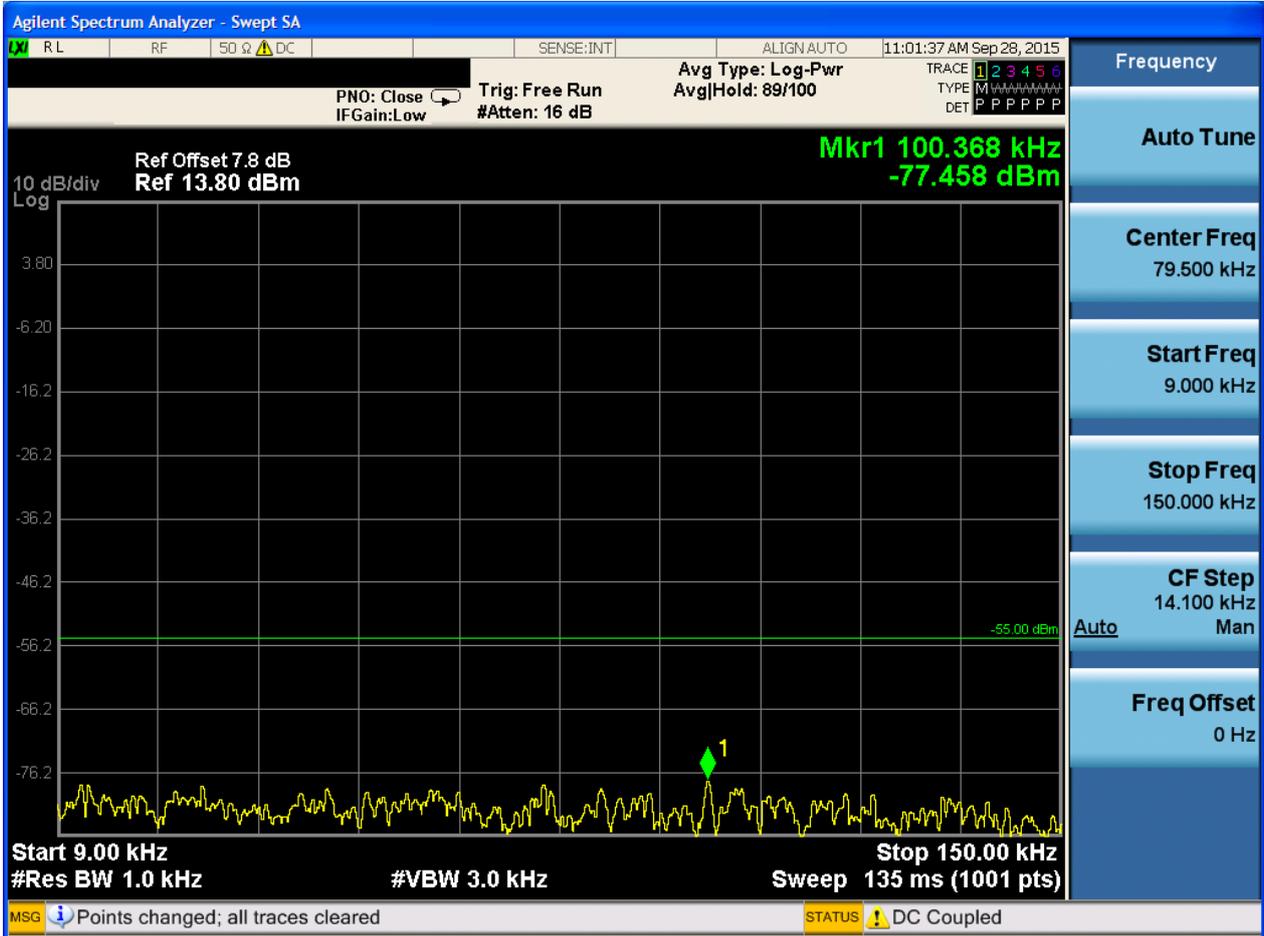






6.1.3.2.3.3 Test Channel = HCH

6.1.3.2.3.3.1 Test RB = RB1#0



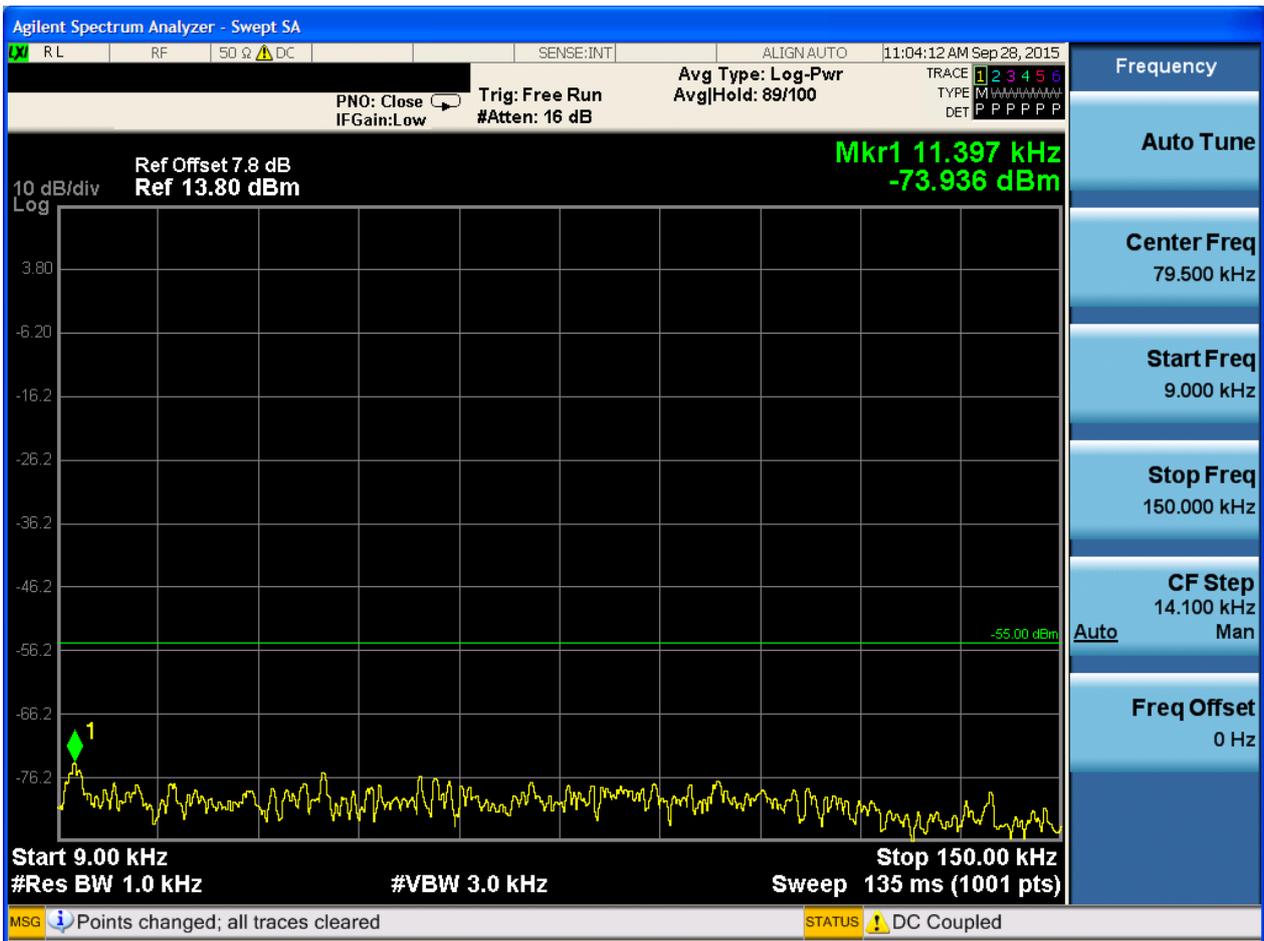


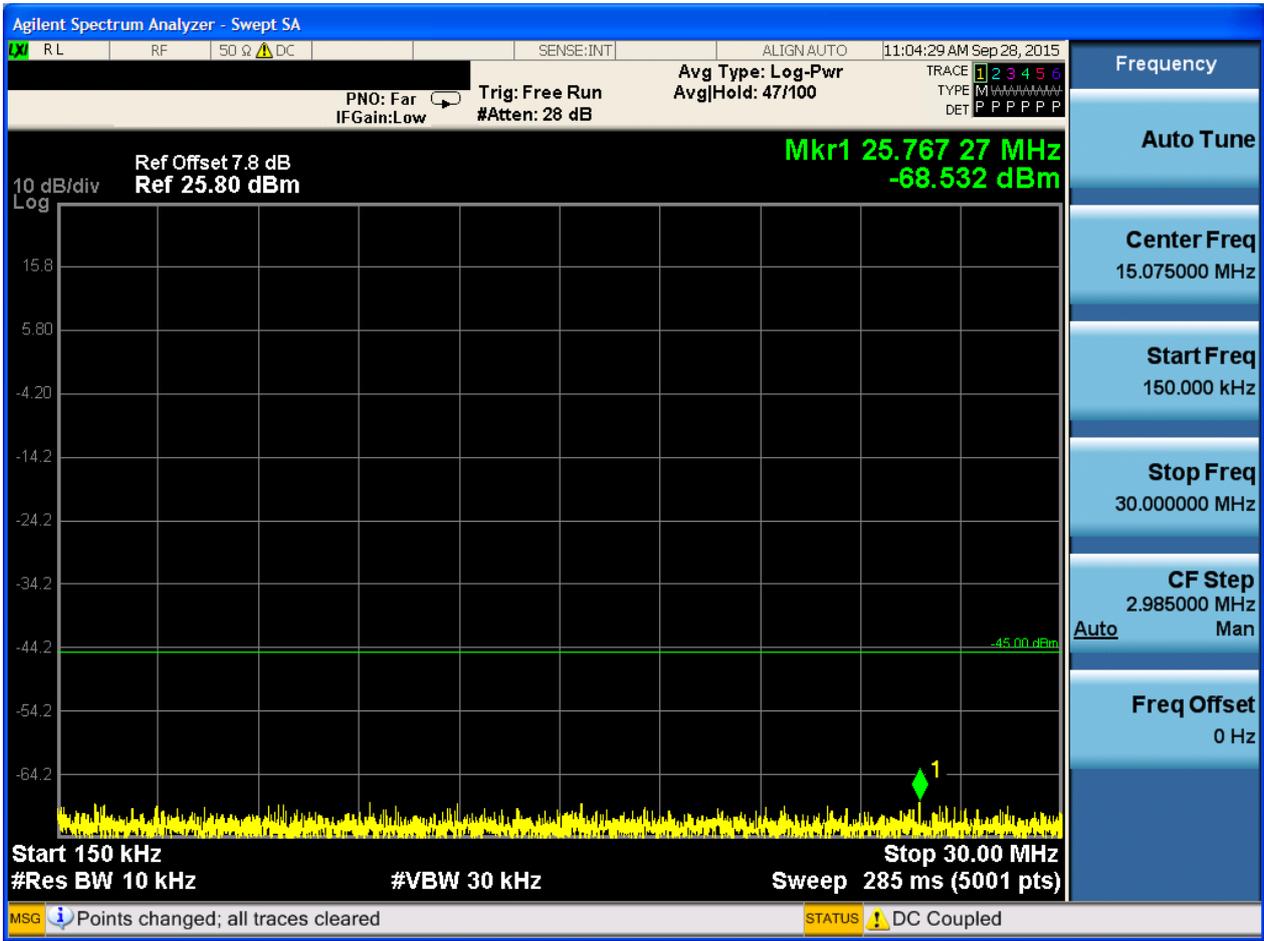


6.1.3.2.4 Test Bandwidth = 20

6.1.3.2.4.1 Test Channel = LCH

6.1.3.2.4.1.1 Test RB = RB1#0





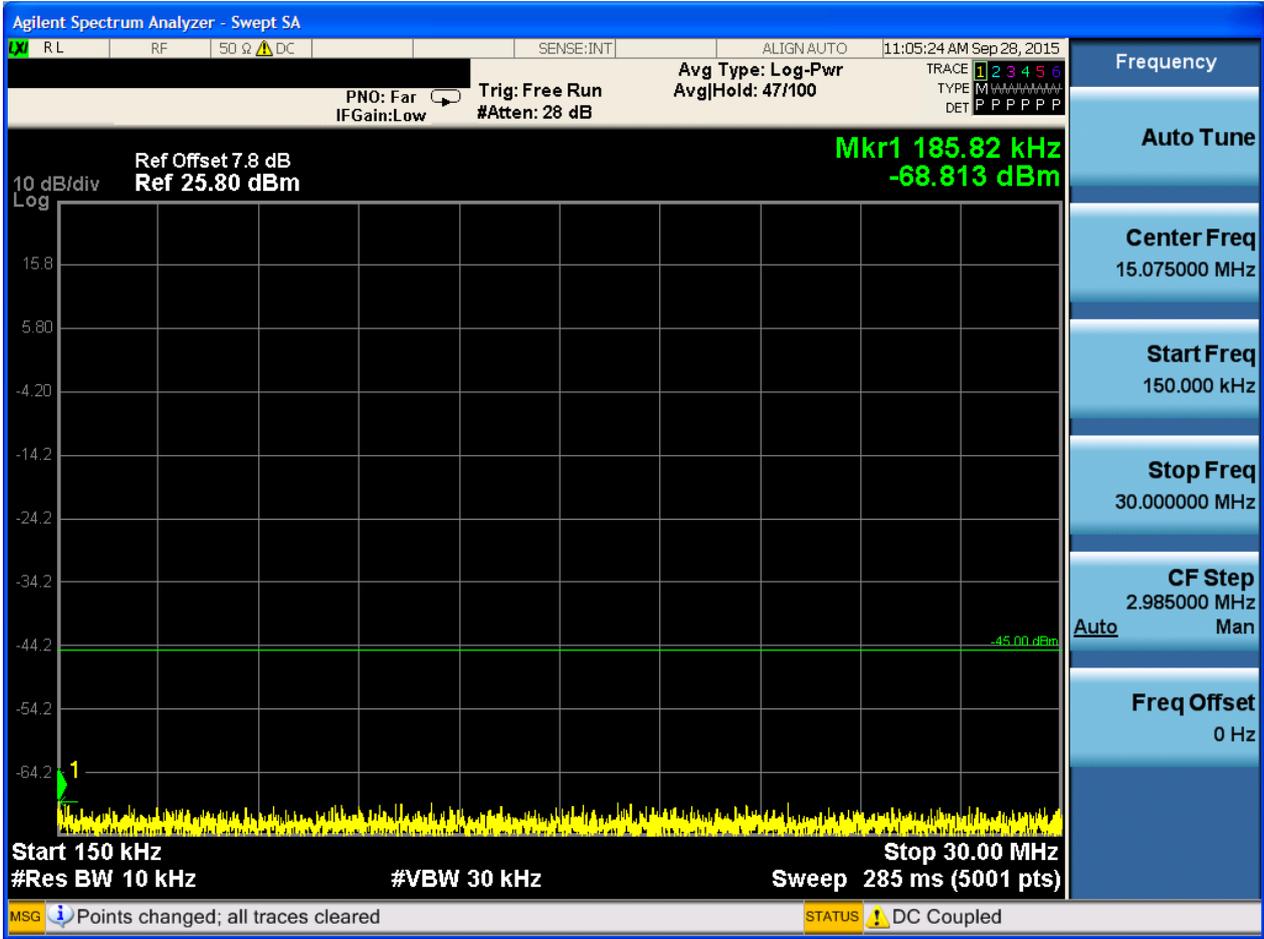




6.1.3.2.4.2 Test Channel = MCH

6.1.3.2.4.2.1 Test RB = RB1#0





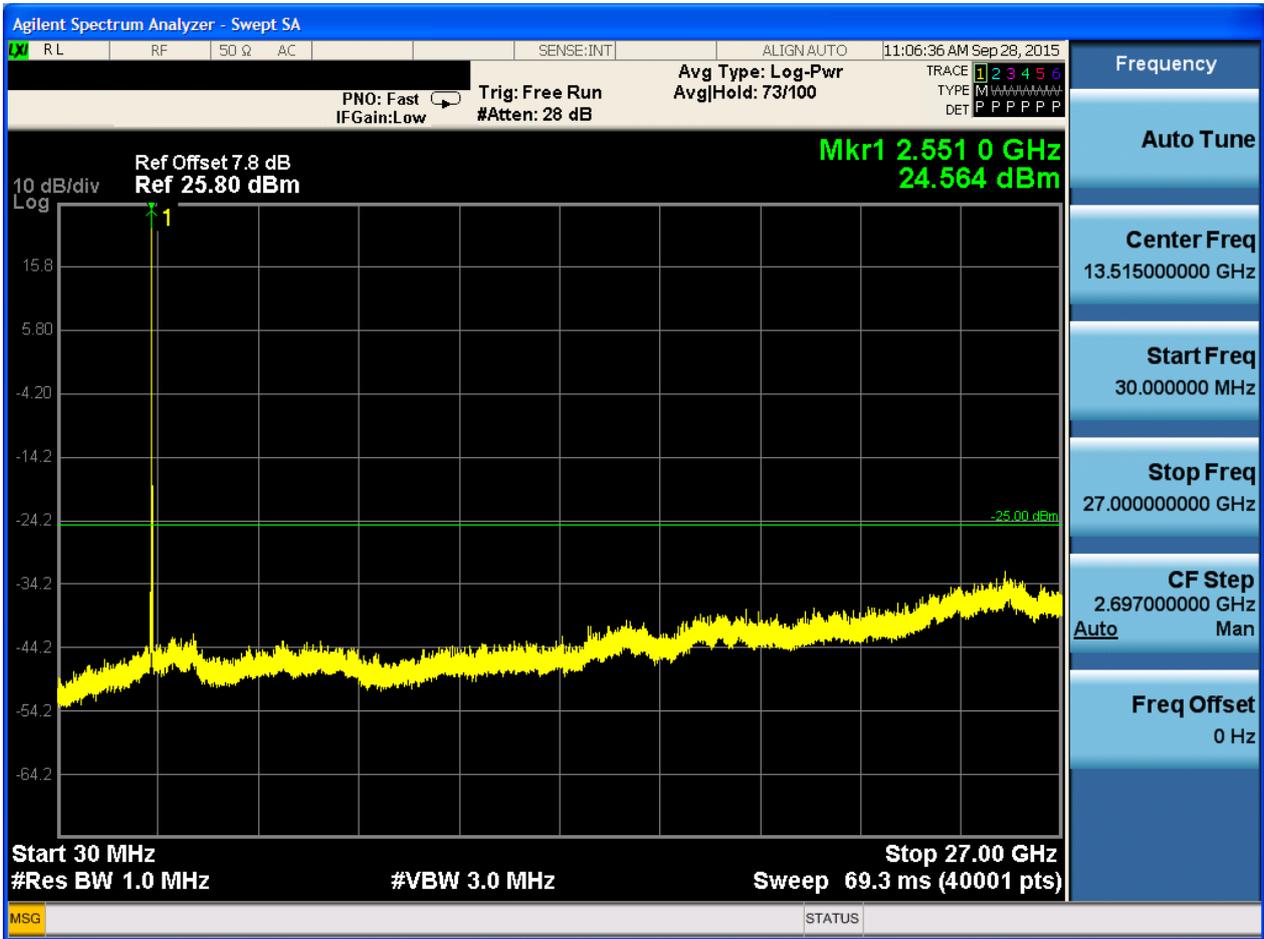


6.1.3.2.4.3 Test Channel = HCH

6.1.3.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note:

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

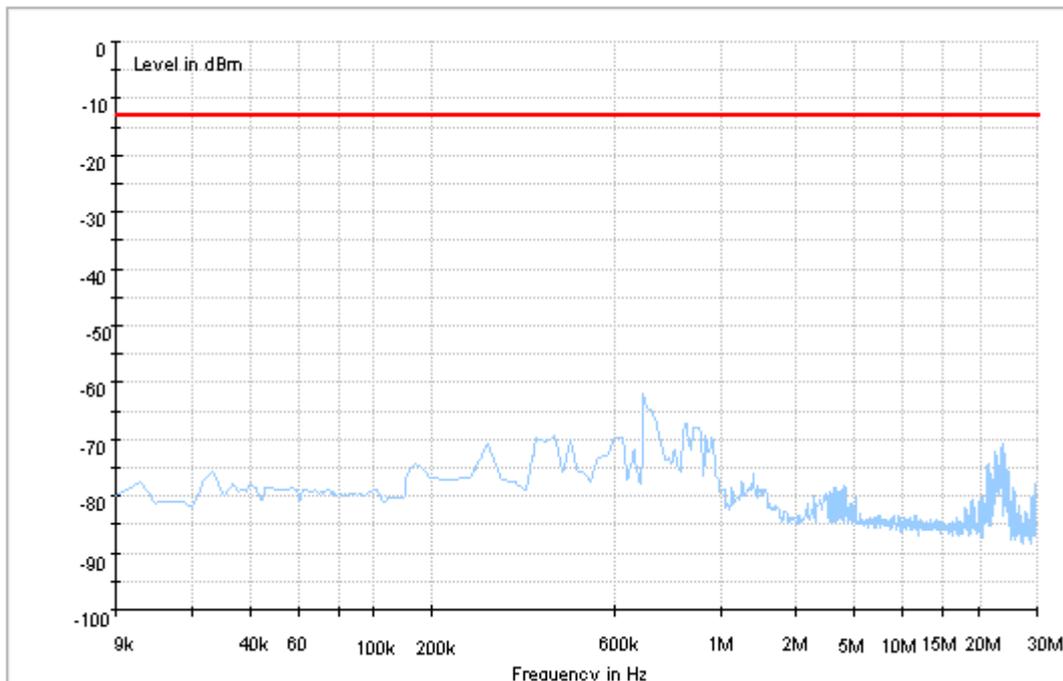
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

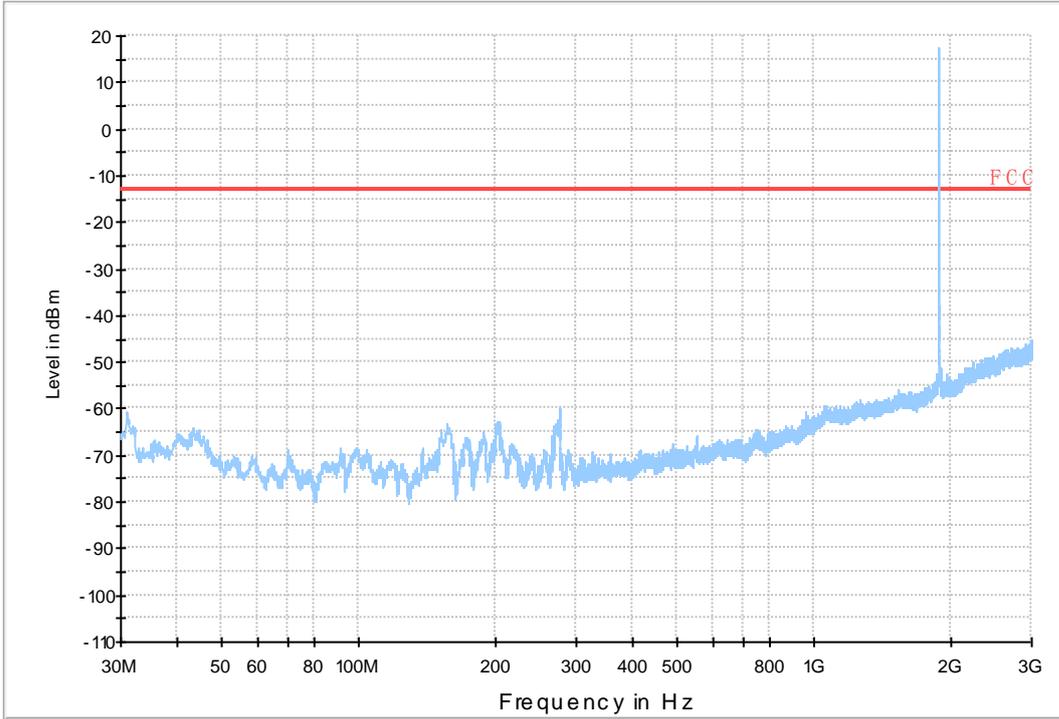
7.1 For LTE

7.1.1 Test Band = BAND2

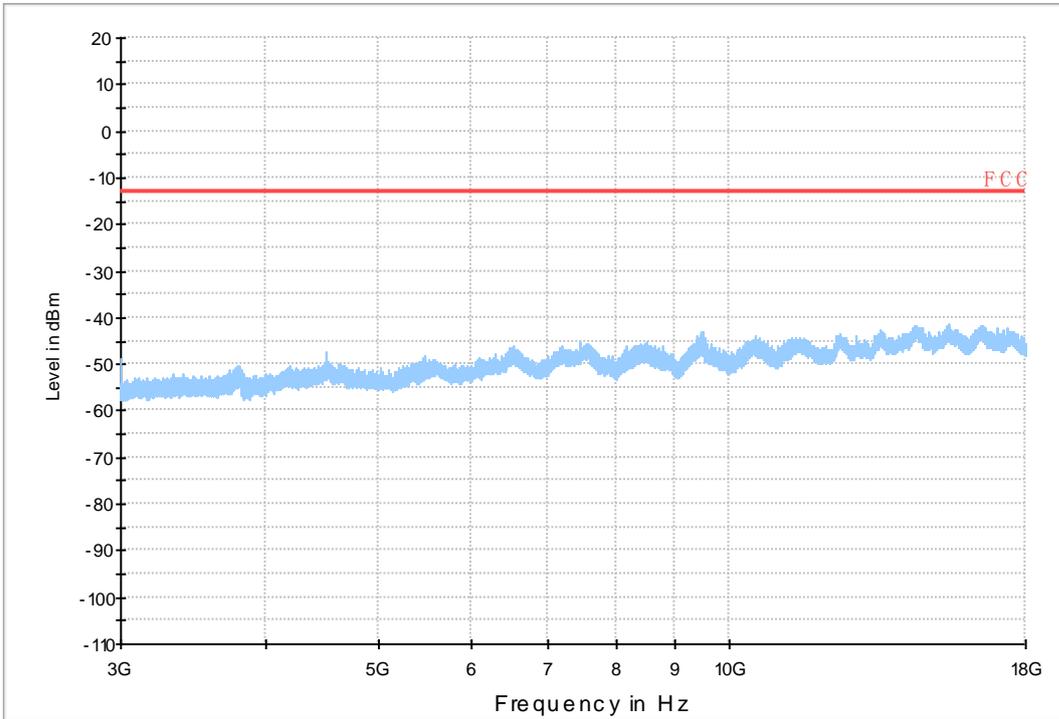
7.1.1.1 Test Bandwidth = 1.4

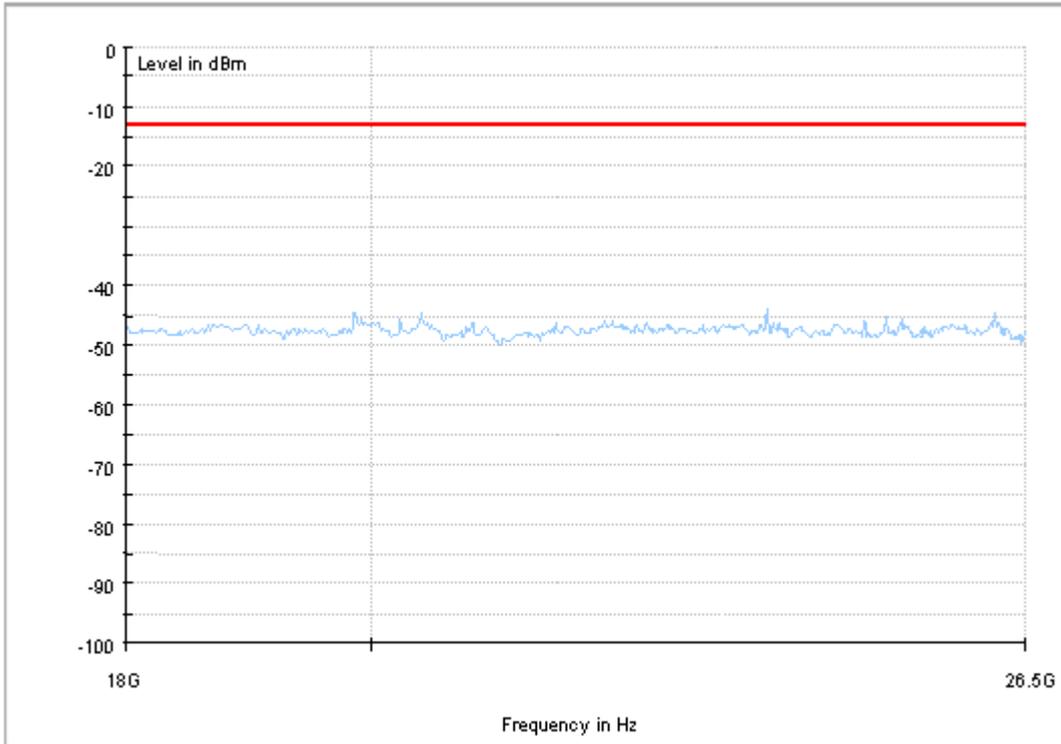


Copy of FCC PART24 LTE Band 2_L

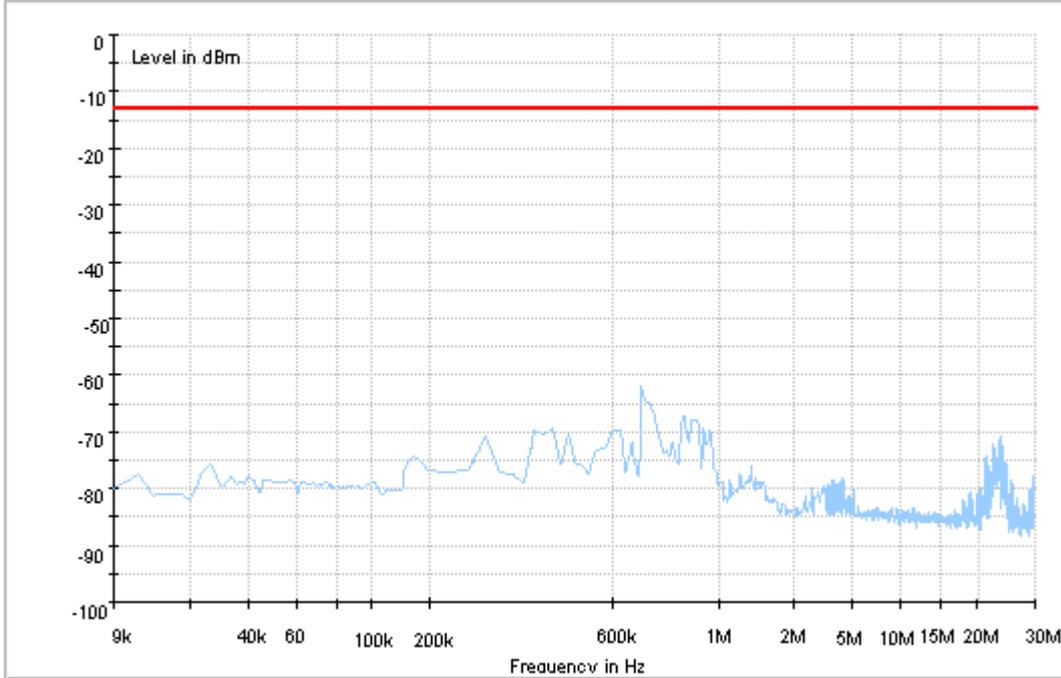


Copy of FCC PART24 LTE Band 2_H

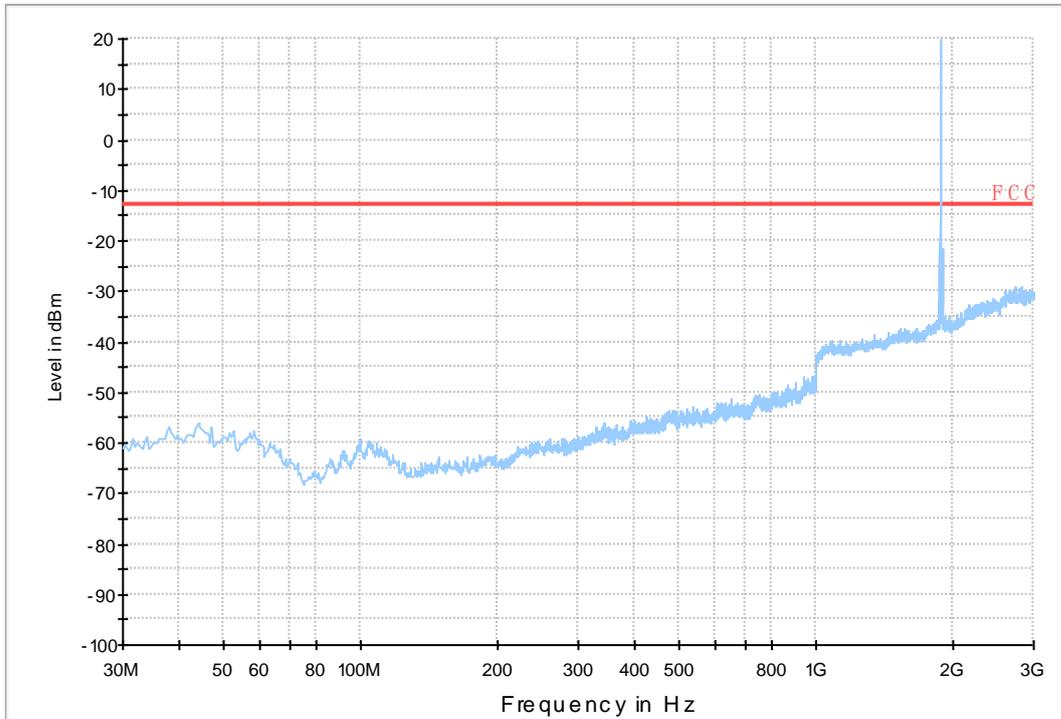




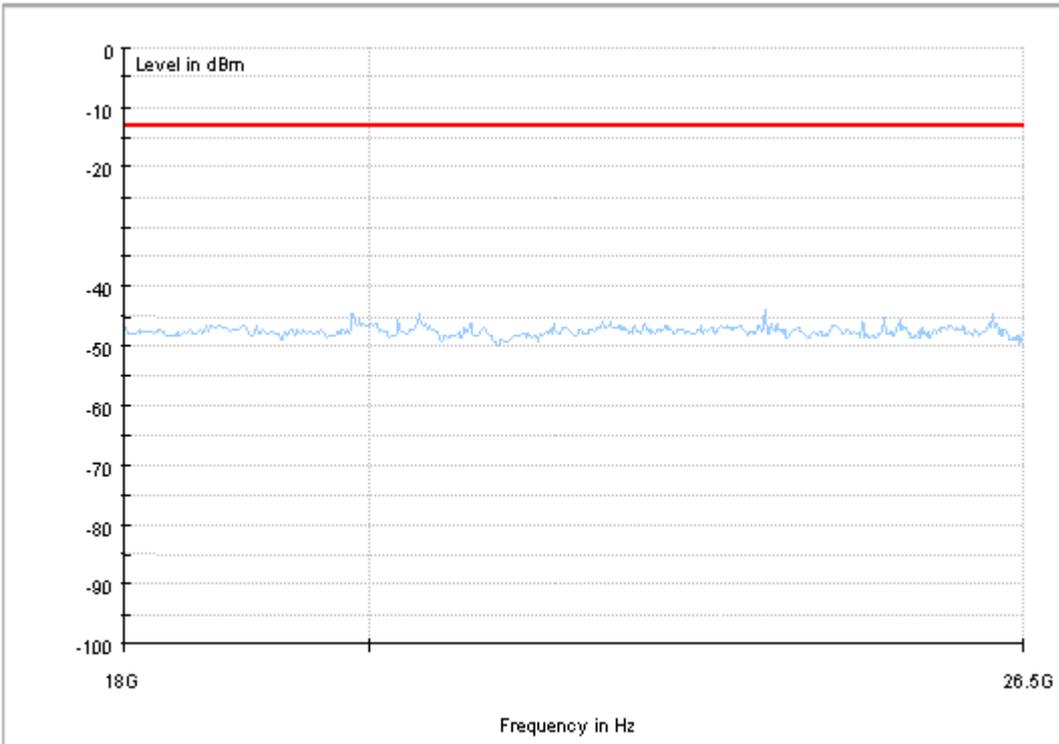
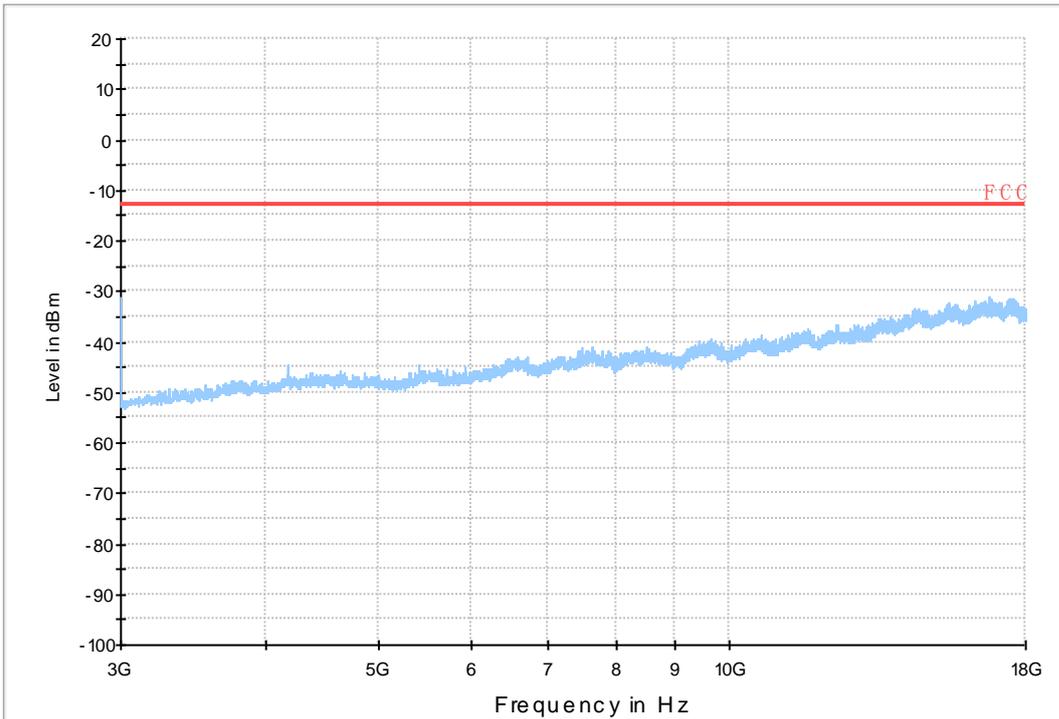
7.1.1.3 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

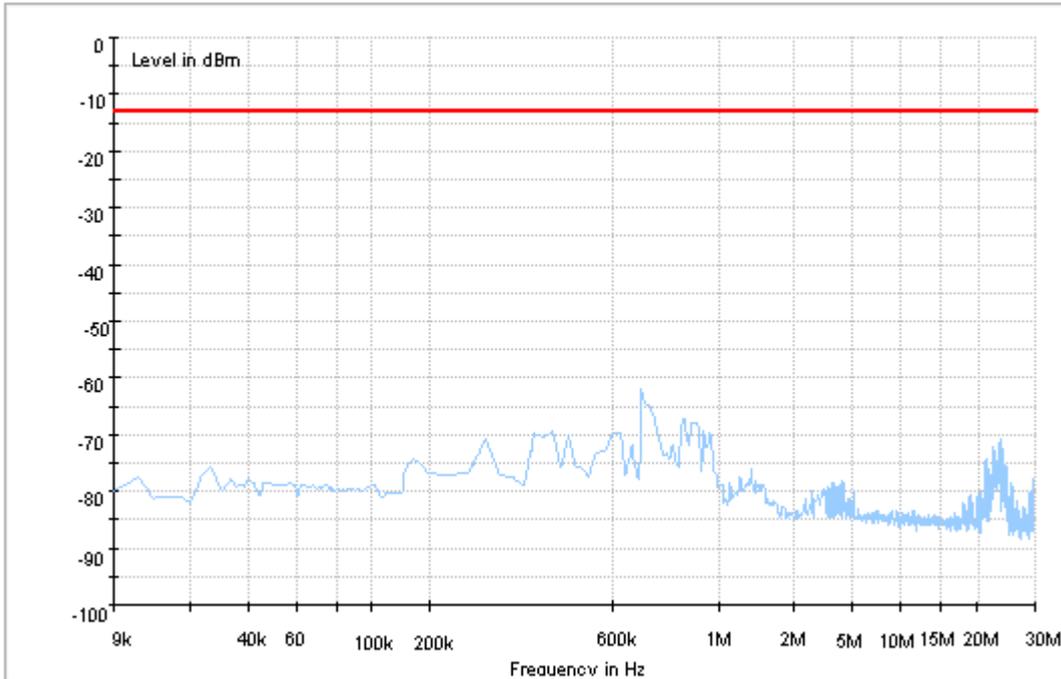


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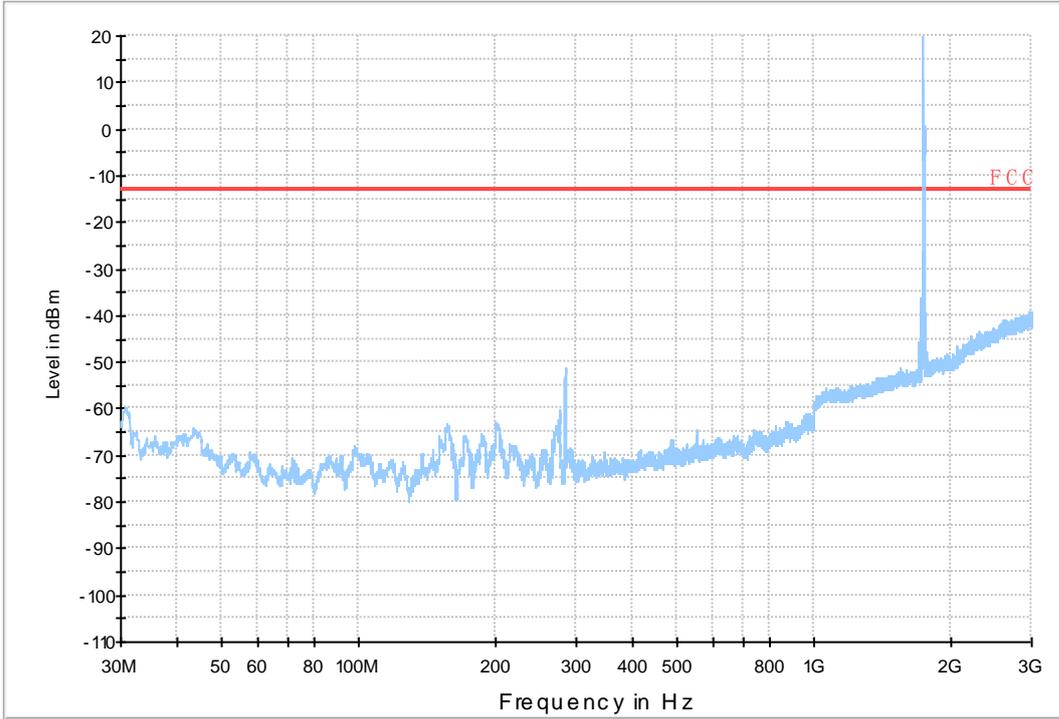


7.1.2 Test Band = BAND4

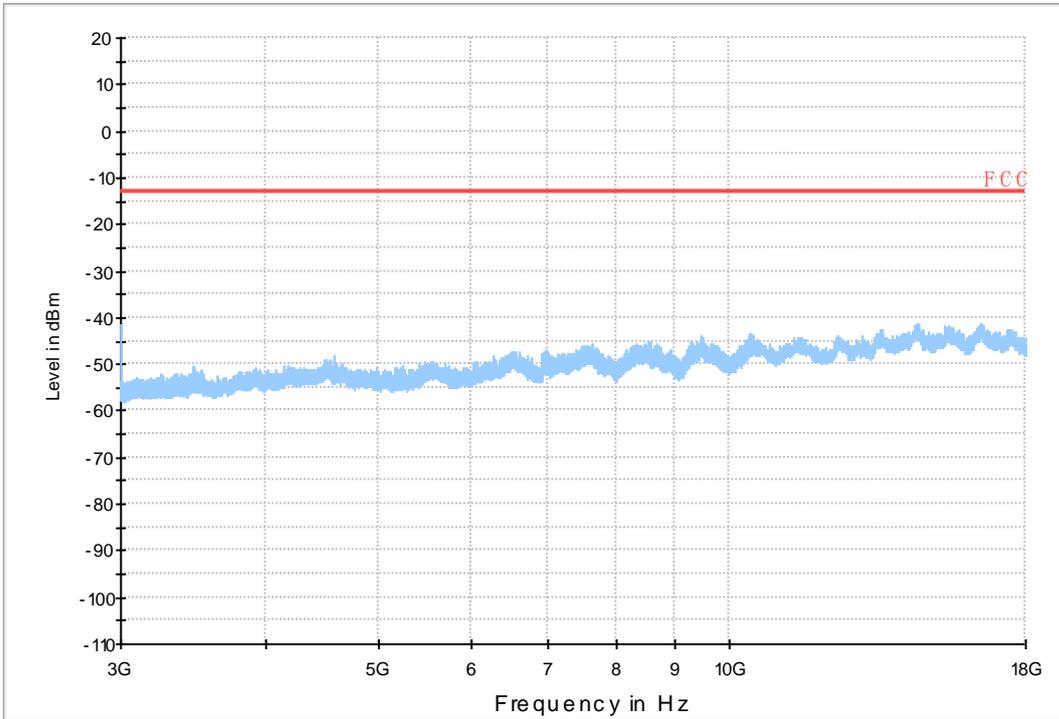
7.1.2.1 Test Bandwidth = 1.4

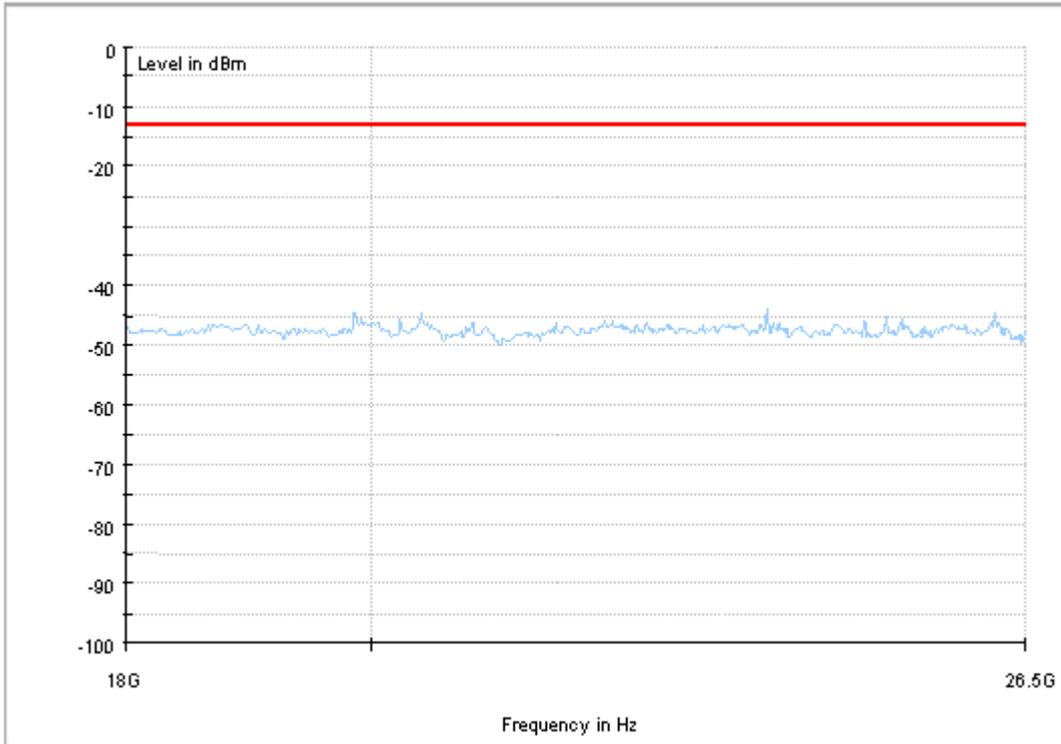


Copy of FCC PART27 LTE Band 4_L

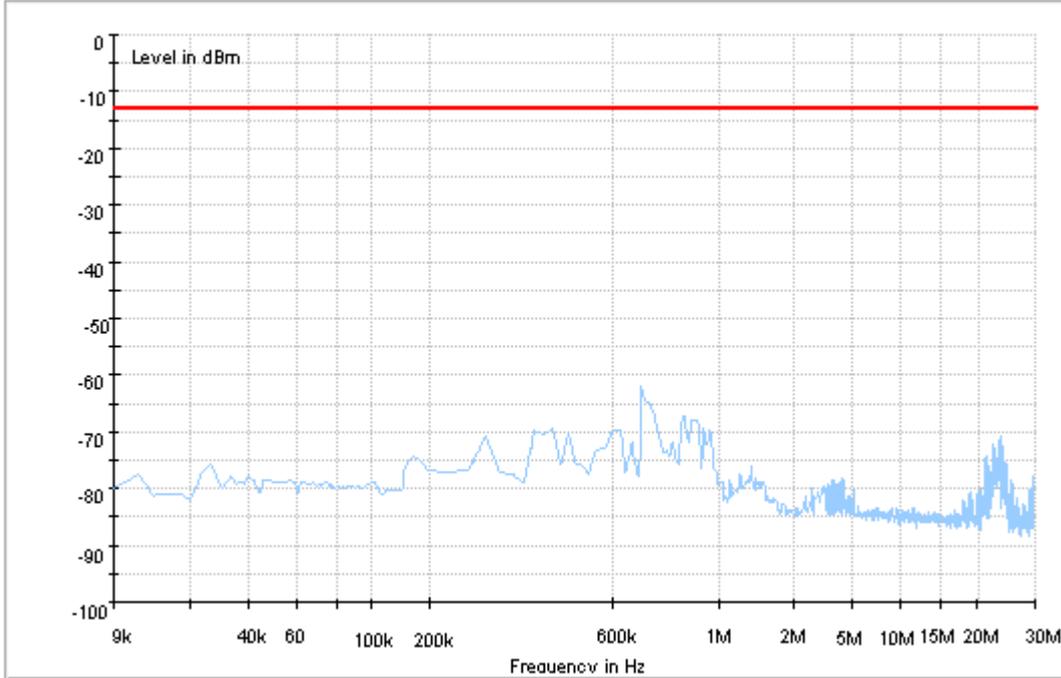


Copy of FCC PART27 LTE Band 4_H

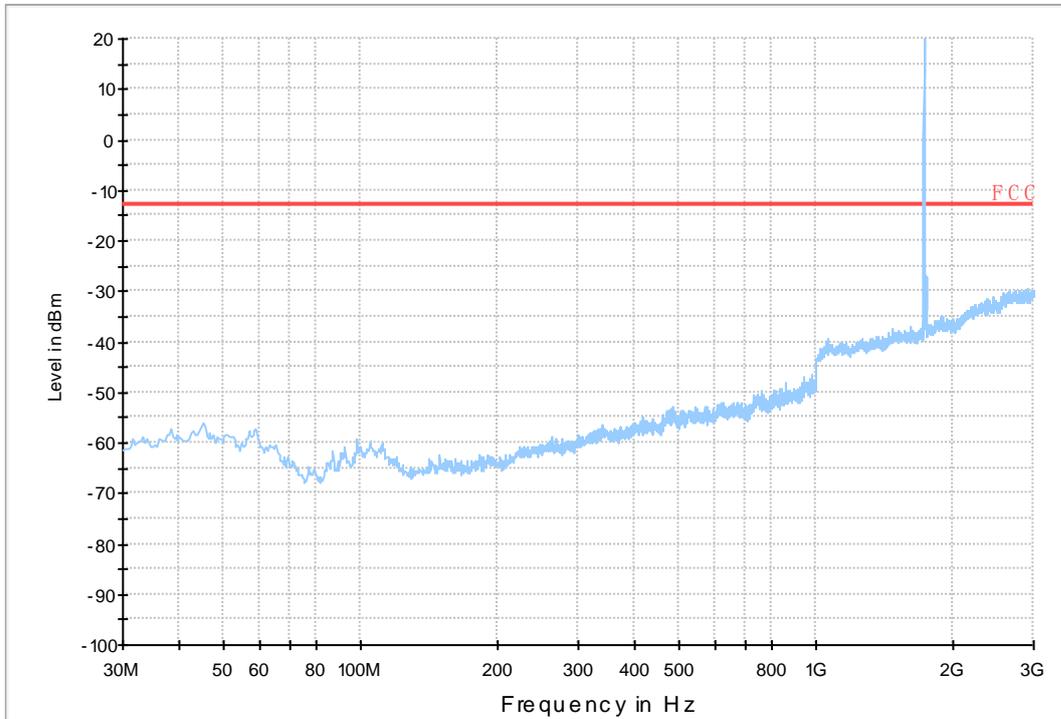




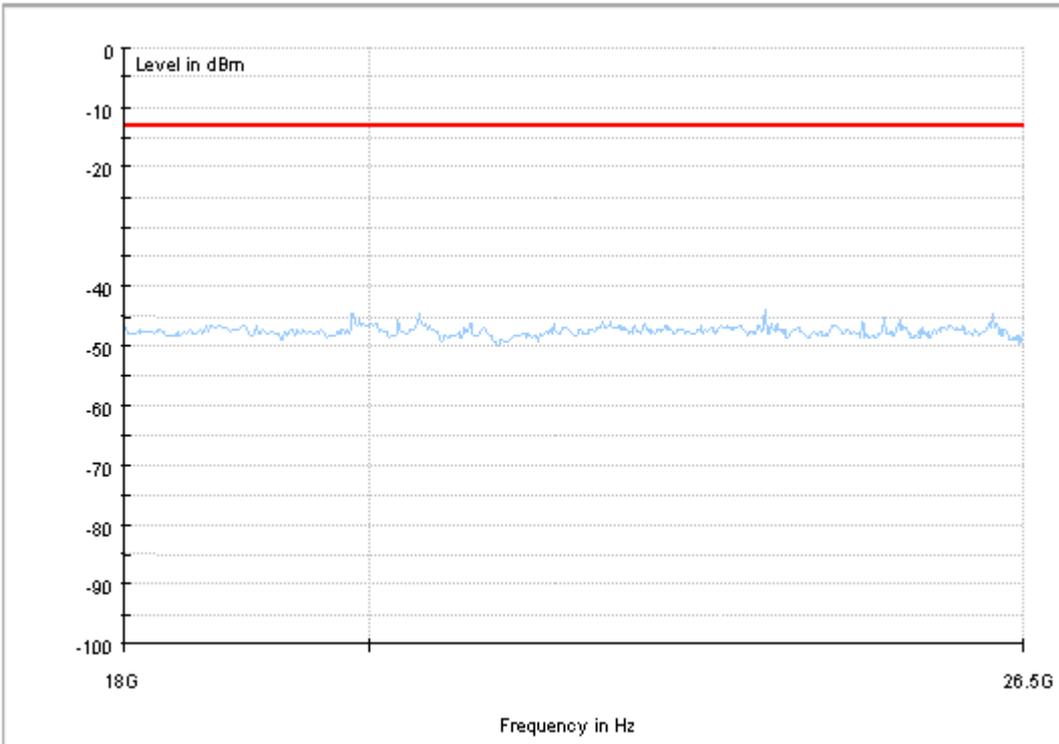
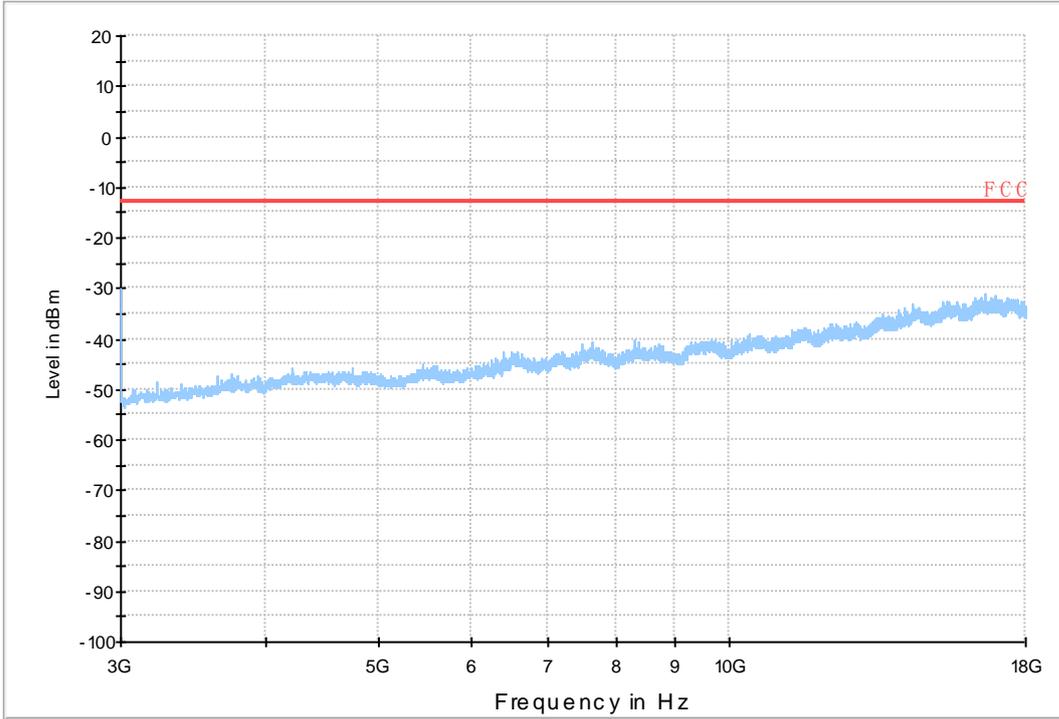
7.1.2.3 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

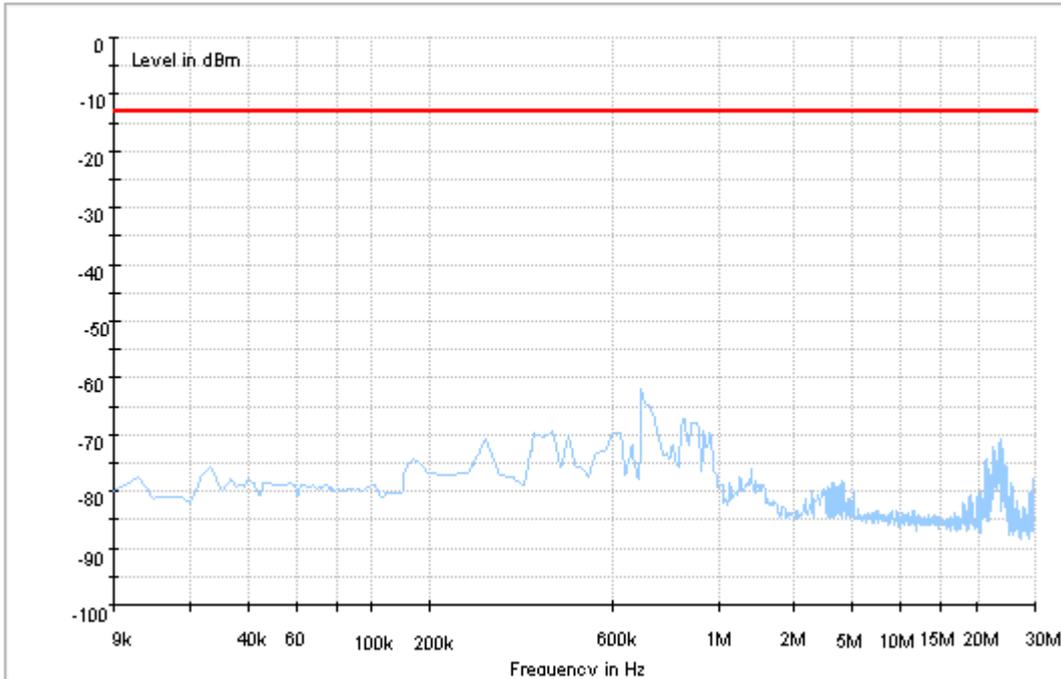


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

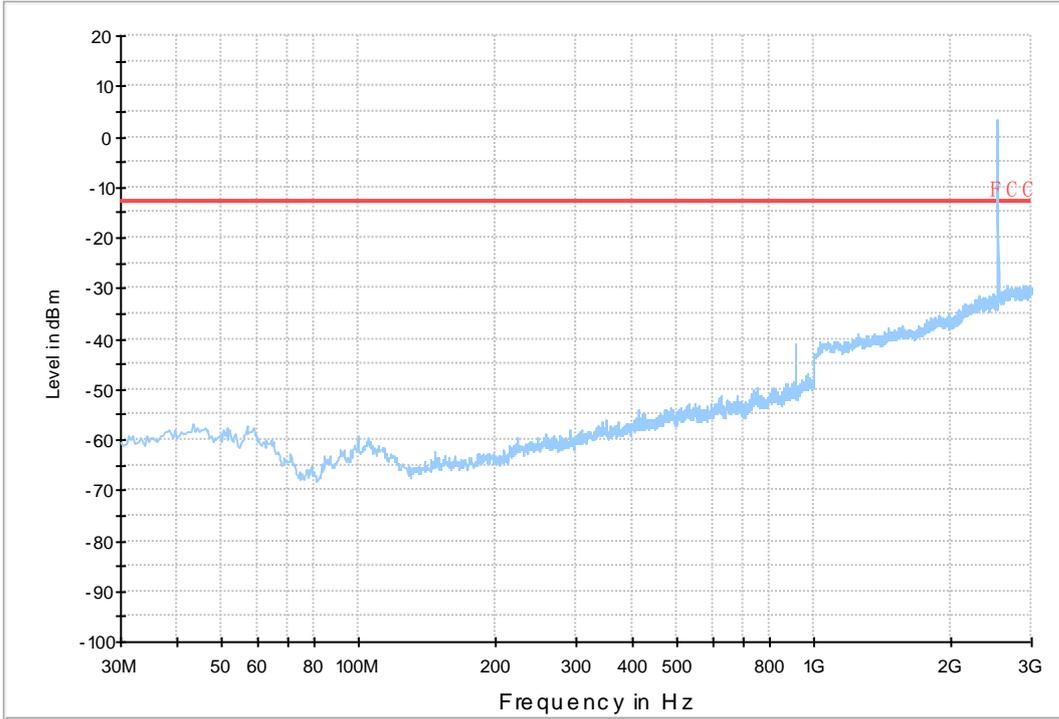


7.1.3 Test Band = BAND7

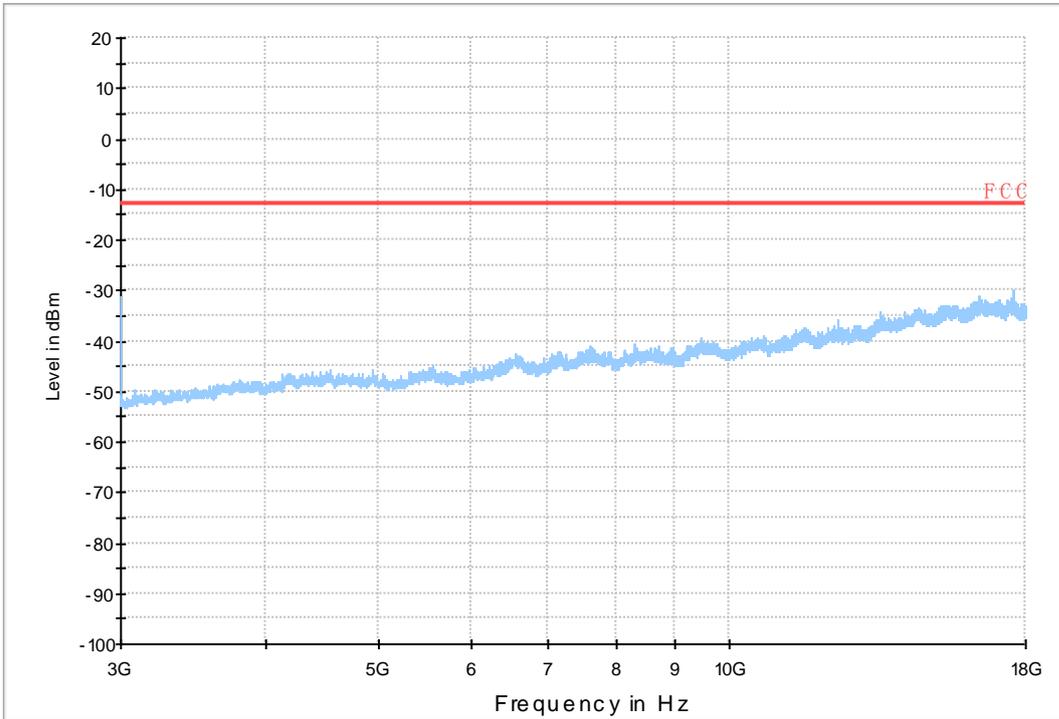
7.1.3.1 Test Bandwidth = 5

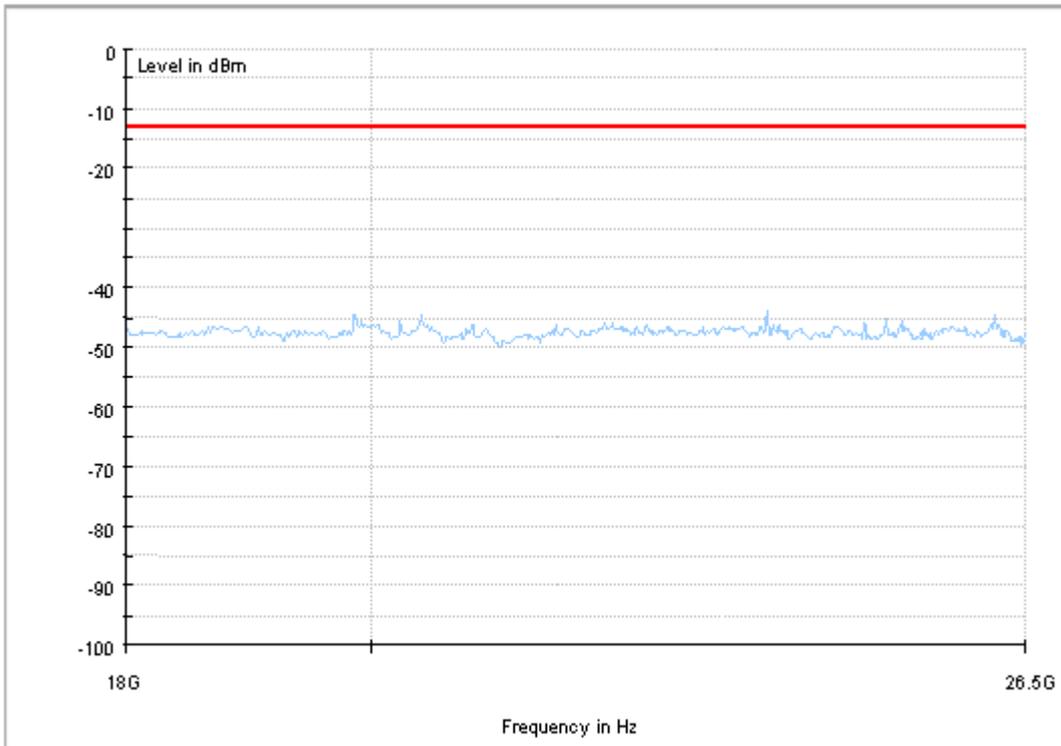


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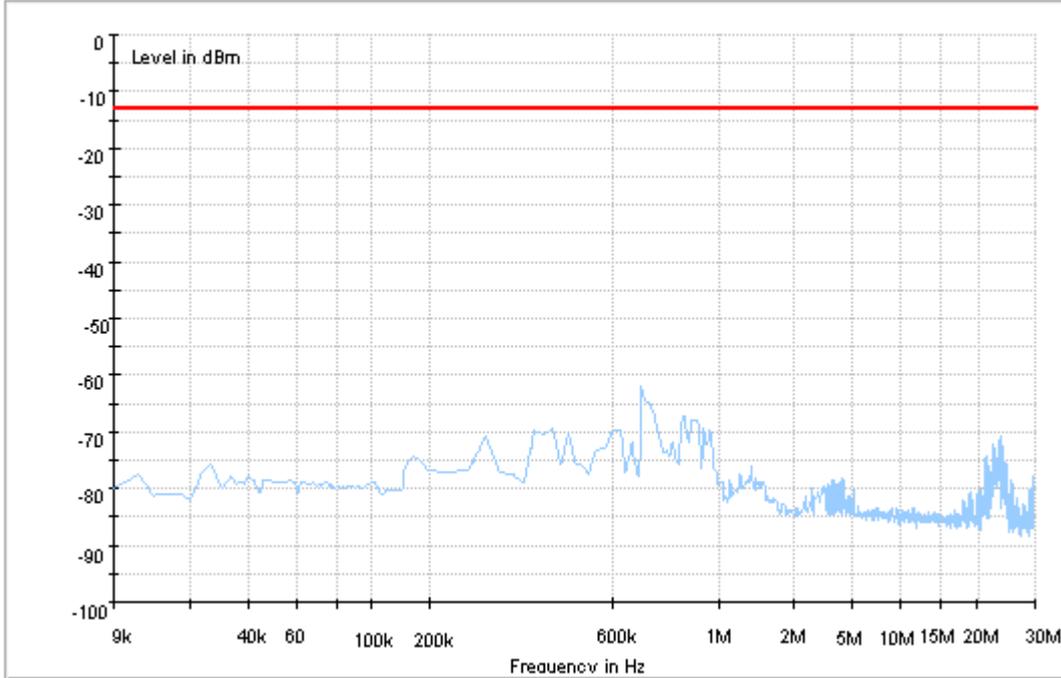


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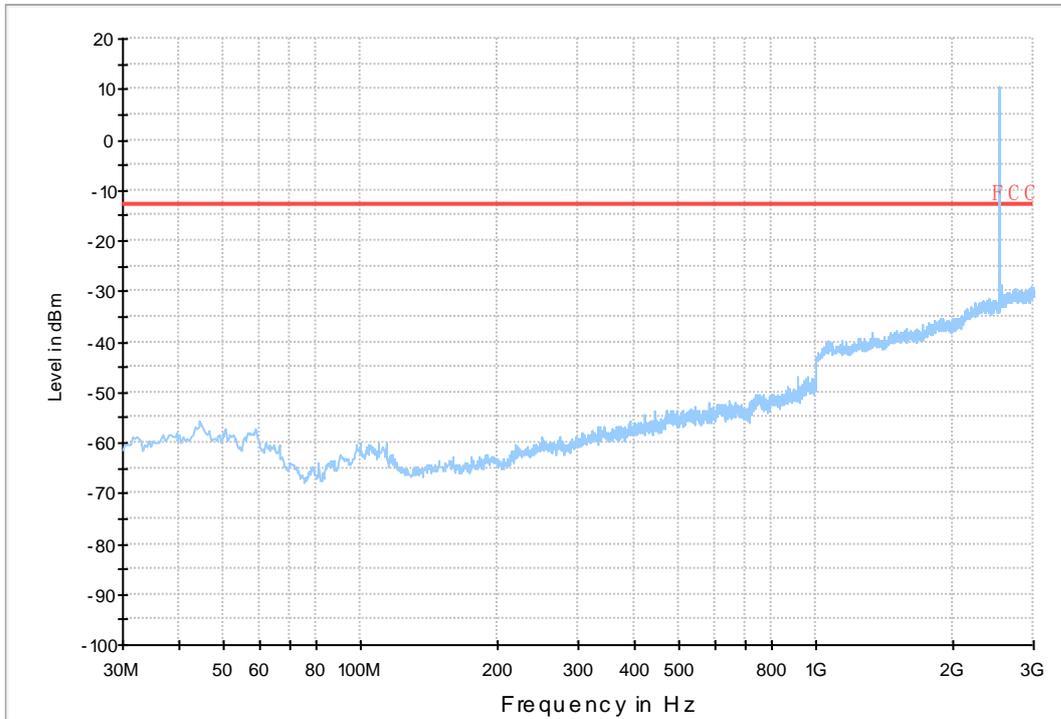




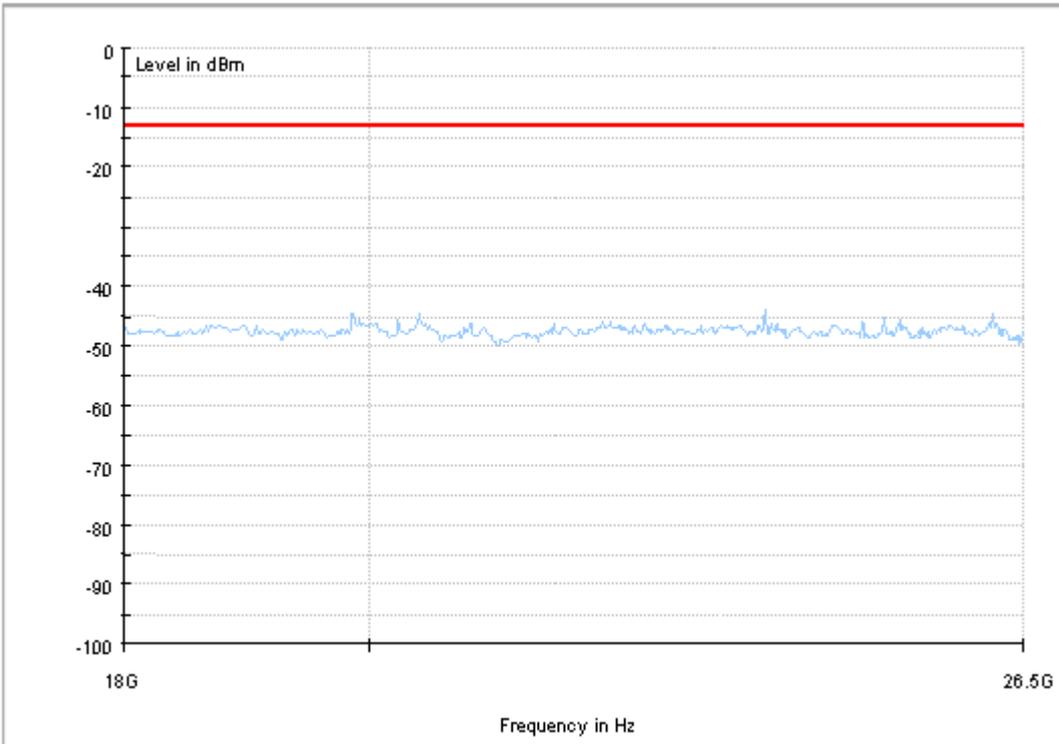
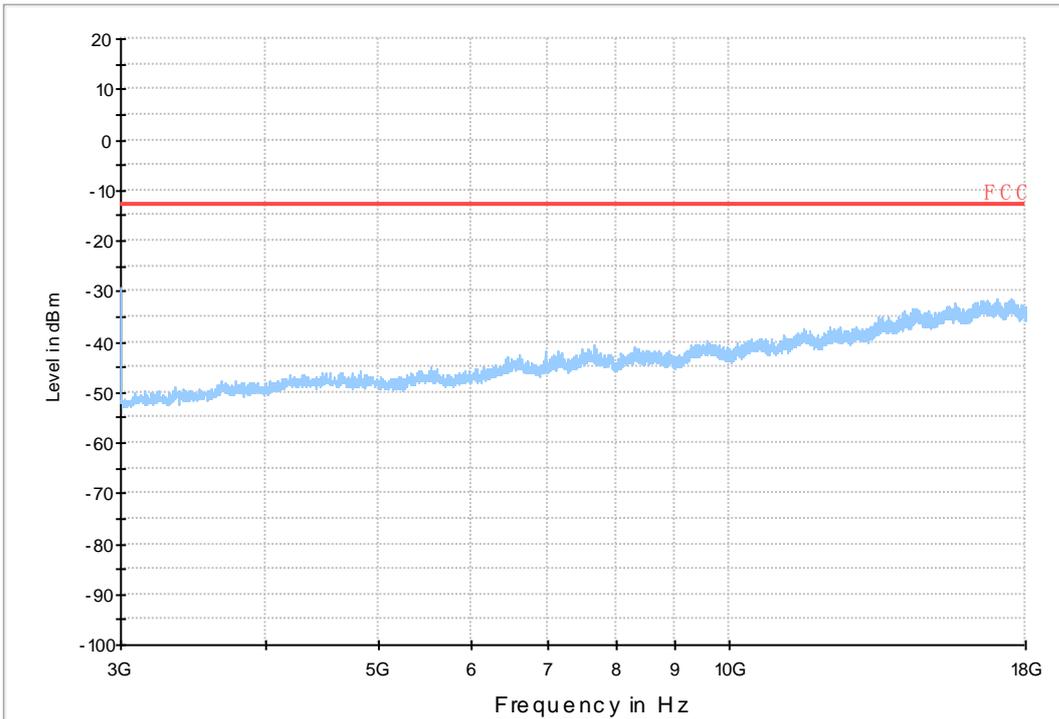
7.1.3.2 Test Bandwidth = 20



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
BAND2	LTE/TM1	1.4	LCH	TN	VL	-0.96	-0.00052	PASS
					VN	1.82	0.00098	PASS
					VH	-3.29	-0.00178	PASS
			MCH	TN	VL	-3.68	-0.00196	PASS
					VN	-1.80	-0.00096	PASS
					VH	-4.53	-0.00241	PASS
			HCH	TN	VL	-0.04	-0.00002	PASS
					VN	1.16	0.00061	PASS
					VH	-1.83	-0.00096	PASS
		3	LCH	TN	VL	-2.78	-0.0015	PASS
					VN	-3.29	-0.00178	PASS
					VH	-2.90	-0.00157	PASS
			MCH	TN	VL	-2.59	-0.00138	PASS
					VN	-2.76	-0.00147	PASS
					VH	-4.59	-0.00244	PASS
			HCH	TN	VL	-1.02	-0.00053	PASS
					VN	0.14	0.00007	PASS
					VH	-0.07	-0.00004	PASS
		5	LCH	TN	VL	-4.28	-0.00231	PASS
					VN	-2.40	-0.0013	PASS
					VH	-3.08	-0.00166	PASS
			MCH	TN	VL	0.54	0.00029	PASS
					VN	0.33	0.00018	PASS
					VH	0.73	0.00039	PASS
			HCH	TN	VL	-0.23	-0.00012	PASS
					VN	1.36	0.00071	PASS
					VH	-1.06	-0.00056	PASS
		10	LCH	TN	VL	-388.34	-0.20935	PASS
					VN	-372.88	-0.20101	PASS
					VH	-376.07	-0.20273	PASS
			MCH	TN	VL	-0.63	-0.00034	PASS

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	-0.16	-0.00009	PASS	
					VH	-2.15	-0.00114	PASS	
					VL	0.96	0.0005	PASS	
					VN	0.31	0.00016	PASS	
					VH	1.70	0.00089	PASS	
					VL	-5.35	-0.00288	PASS	
			LCH	TN	VN	-4.84	-0.00261	PASS	
					VH	-5.08	-0.00273	PASS	
					VL	-3.48	-0.00185	PASS	
					VN	-3.91	-0.00208	PASS	
					VH	-1.83	-0.00097	PASS	
					VL	490.82	0.25799	PASS	
		HCH	TN	VN	479.48	0.25203	PASS		
				VH	480.29	0.25245	PASS		
				VL	33.77	0.01816	PASS		
				LCH	TN	VN	29.00	0.01559	PASS
						VH	33.53	0.01803	PASS
						VL	-3.42	-0.00182	PASS
		MCH	TN	VN	-2.27	-0.00121	PASS		
				VH	-3.30	-0.00176	PASS		
				VL	-2.17	-0.00114	PASS		
				HCH	TN	VN	-4.78	-0.00252	PASS
						VH	-3.48	-0.00183	PASS
						VL	7.04	0.0038	PASS
		1.4	LCH	TN	VN	-3.06	-0.00165	PASS	
					VH	-0.44	-0.00024	PASS	
					VL	-4.84	-0.00257	PASS	
			MCH	TN	VN	-5.18	-0.00276	PASS	
					VH	-6.41	-0.00341	PASS	
					VL	-0.37	-0.00019	PASS	
			HCH	TN	VN	-1.92	-0.00101	PASS	
					VH	-1.59	-0.00083	PASS	
					VL	-3.81	-0.00206	PASS	
		3	LCH	TN	VN	-5.24	-0.00283	PASS	
					VH	-3.00	-0.00162	PASS	
					VL	-4.88	-0.0026	PASS	
			MCH	TN	VN	-3.95	-0.0021	PASS	
					VH	-5.05	-0.00269	PASS	
					VL	0.73	0.00038	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		5	LCH	TN	VN	0.76	0.0004	PASS		
					VH	-0.97	-0.00051	PASS		
					VL	-1.33	-0.00072	PASS		
			MCH	TN	VN	-2.68	-0.00145	PASS		
					VH	-1.89	-0.00102	PASS		
					VL	-2.03	-0.00108	PASS		
		HCH	TN	VN	-1.22	-0.00065	PASS			
				VH	-0.07	-0.00004	PASS			
				VL	-0.97	-0.00051	PASS			
		10	LCH	TN	VN	0.13	0.00007	PASS		
					VH	0.47	0.00025	PASS		
					VL	-302.00	-0.1628	PASS		
			MCH	TN	VN	-317.06	-0.17092	PASS		
					VH	-311.21	-0.16777	PASS		
					VL	-2.46	-0.00131	PASS		
			HCH	TN	VN	-3.63	-0.00193	PASS		
					VH	-2.92	-0.00155	PASS		
					VL	-0.01	-0.00001	PASS		
			15	LCH	TN	VN	-0.47	-0.00025	PASS	
						VH	1.32	0.00069	PASS	
						VL	-7.27	-0.00391	PASS	
		MCH		TN	VN	-5.24	-0.00282	PASS		
					VH	-6.62	-0.00356	PASS		
					VL	-2.66	-0.00141	PASS		
		HCH	TN	VN	-2.07	-0.0011	PASS			
				VH	-2.02	-0.00107	PASS			
				VL	-111.21	-0.05845	PASS			
		20	LCH	TN	VN	-103.70	-0.05451	PASS		
					VH	-125.91	-0.06618	PASS		
					VL	0.79	0.00042	PASS		
			MCH	TN	VN	14.52	0.00781	PASS		
					VH	17.94	0.00965	PASS		
					VL	-2.42	-0.00129	PASS		
			HCH	TN	VN	-1.20	-0.00064	PASS		
					VH	-2.50	-0.00133	PASS		
					VL	-2.85	-0.0015	PASS		
							VN	-2.22	-0.00117	PASS
							VH	-2.45	-0.00129	PASS
							VL	6.49	0.00379	PASS
		BAND4	LTE/TM1	1.4	LCH	TN	VL	6.49	0.00379	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	4.75	0.00278	PASS		
					VH	3.50	0.00205	PASS		
					MCH	TN	VL	0.00	0	PASS
							VN	4.22	0.00244	PASS
					VH	1.93	0.00111	PASS		
					HCH	TN	VL	-3.62	-0.00206	PASS
			VN	-3.43			-0.00196	PASS		
			VH	-2.66			-0.00152	PASS		
			3	LCH	TN	VL	-6.82	-0.00398	PASS	
						VN	-9.90	-0.00578	PASS	
						VH	-8.14	-0.00476	PASS	
				MCH	TN	VL	6.62	0.00382	PASS	
		VN				4.21	0.00243	PASS		
		VH				6.52	0.00376	PASS		
		HCH		TN	VL	-0.41	-0.00023	PASS		
					VN	2.55	0.00145	PASS		
					VH	-0.99	-0.00056	PASS		
		5		LCH	TN	VL	39.87	0.02328	PASS	
						VN	46.03	0.02688	PASS	
						VH	41.89	0.02446	PASS	
			MCH	TN	VL	-160.19	-0.09246	PASS		
					VN	-148.69	-0.08582	PASS		
					VH	-138.70	-0.08006	PASS		
			HCH	TN	VL	-2.69	-0.00153	PASS		
					VN	-2.32	-0.00132	PASS		
					VH	-1.16	-0.00066	PASS		
			10	LCH	TN	VL	-2.03	-0.00118	PASS	
						VN	-1.40	-0.00082	PASS	
						VH	-1.75	-0.00102	PASS	
		MCH		TN	VL	10.19	0.00588	PASS		
					VN	6.32	0.00365	PASS		
					VH	18.67	0.01078	PASS		
		HCH		TN	VL	2.17	0.00124	PASS		
					VN	2.55	0.00146	PASS		
					VH	2.36	0.00135	PASS		
		15		LCH	TN	VL	-0.30	-0.00017	PASS	
						VN	-0.53	-0.00031	PASS	
						VH	-0.56	-0.00033	PASS	
			MCH	TN	VL	59.68	0.03445	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	61.20	0.03532	PASS
					VH	61.38	0.03543	PASS
			HCH	TN	VL	-33.12	-0.01895	PASS
					VN	-29.73	-0.01701	PASS
			HCH	TN	VH	-24.62	-0.01409	PASS
					VL	-7.14	-0.00415	PASS
		20	LCH	TN	VN	-7.82	-0.00455	PASS
					VH	-8.88	-0.00516	PASS
			MCH	TN	VL	42.79	0.0247	PASS
					VN	41.03	0.02368	PASS
			MCH	TN	VH	44.23	0.02553	PASS
					VL	-4.02	-0.0023	PASS
		20	HCH	TN	VN	-4.85	-0.00278	PASS
					VH	-3.48	-0.00199	PASS
			LCH	TN	VL	6.90	0.00403	PASS
					VN	1.06	0.00062	PASS
					VH	6.75	0.00395	PASS
			MCH	TN	VL	2.70	0.00156	PASS
		VN			-0.14	-0.00008	PASS	
		VH			4.84	0.00279	PASS	
		1.4	HCH	TN	VL	-3.78	-0.00215	PASS
	VN				-3.56	-0.00203	PASS	
	VH				-3.69	-0.0021	PASS	
	LCH		TN	VL	9.38	0.00548	PASS	
				VN	6.78	0.00396	PASS	
				VH	10.24	0.00598	PASS	
	3	MCH	TN	VL	68.46	0.03952	PASS	
				VN	67.15	0.03876	PASS	
				VH	59.92	0.03459	PASS	
		HCH	TN	VL	1.79	0.00102	PASS	
				VN	0.50	0.00029	PASS	
				VH	-0.92	-0.00052	PASS	
	5	LCH	TN	VL	-43.19	-0.02522	PASS	
				VN	-37.74	-0.02204	PASS	
				VH	-50.07	-0.02924	PASS	
		MCH	TN	VL	61.94	0.03575	PASS	
				VN	63.21	0.03648	PASS	
				VH	56.95	0.03287	PASS	
		HCH	TN	VL	-3.16	-0.0018	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		10	LCH	TN	VN	-3.30	-0.00188	PASS		
					VH	-3.29	-0.00188	PASS		
					VL	-2.80	-0.00163	PASS		
			MCH	TN	VN	-4.85	-0.00283	PASS		
					VH	-4.08	-0.00238	PASS		
					VL	24.48	0.01413	PASS		
		HCH	TN	VN	30.80	0.01778	PASS			
				VH	28.28	0.01632	PASS			
				VL	0.09	0.00005	PASS			
		15	LCH	TN	VN	1.30	0.00074	PASS		
					VH	1.33	0.00076	PASS		
					VL	-1.46	-0.00085	PASS		
			MCH	TN	VN	-0.63	-0.00037	PASS		
					VH	-0.76	-0.00044	PASS		
					VL	27.47	0.01586	PASS		
			HCH	TN	VN	32.19	0.01858	PASS		
					VH	34.23	0.01976	PASS		
					VL	-21.43	-0.01226	PASS		
			20	LCH	TN	VN	-17.88	-0.01023	PASS	
						VH	-28.51	-0.01631	PASS	
						VL	-6.48	-0.00377	PASS	
		MCH		TN	VN	-6.67	-0.00388	PASS		
					VH	-6.12	-0.00356	PASS		
					VL	40.30	0.02326	PASS		
		HCH		TN	VN	41.97	0.02423	PASS		
					VH	41.70	0.02407	PASS		
					VL	-3.85	-0.00221	PASS		
		BAND4	LTE/TM1	1.4	LCH	TN	VN	-2.49	-0.00143	PASS
							VH	1.47	0.00086	PASS
							VL	1.27	0.00074	PASS
					MCH	TN	VN	2.70	0.00158	PASS
							VH	1.70	0.00098	PASS
							VL	-0.57	-0.00033	PASS
					HCH	TN	VN	4.22	0.00244	PASS
							VH	-4.78	-0.00272	PASS
							VL	-3.76	-0.00214	PASS
3	LCH			TN	VN	-5.51	-0.00314	PASS		
					VH	-3.83	-0.00224	PASS		
					VL	3.83	0.00224	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	5.81	0.00339	PASS	
					VH	0.83	0.00048	PASS	
			MCH	TN	VL	89.49	0.05165	PASS	
					VN	84.77	0.04893	PASS	
					VH	65.92	0.03805	PASS	
					VL	2.32	0.00132	PASS	
			HCH	TN	VN	0.92	0.00052	PASS	
					VH	0.72	0.00041	PASS	
					VL	-38.25	-0.02234	PASS	
					VN	-38.04	-0.02221	PASS	
			5	LCH	TN	VH	-35.12	-0.02051	PASS
						VL	38.80	0.0224	PASS
		VN				37.05	0.02139	PASS	
		MCH		TN	VH	32.53	0.01878	PASS	
					VL	-3.32	-0.00189	PASS	
					VN	-1.80	-0.00103	PASS	
		HCH		TN	VH	-4.55	-0.0026	PASS	
					VL	-3.02	-0.00176	PASS	
					VN	-3.25	-0.0019	PASS	
		10		LCH	TN	VH	-2.47	-0.00144	PASS
						VL	12.85	0.00742	PASS
						VN	11.97	0.00691	PASS
			MCH	TN	VH	10.81	0.00624	PASS	
					VL	1.07	0.00061	PASS	
					VN	1.96	0.00112	PASS	
			HCH	TN	VH	2.25	0.00129	PASS	
					VL	-0.79	-0.00046	PASS	
					VN	-2.09	-0.00122	PASS	
			15	LCH	TN	VH	0.29	0.00017	PASS
						VL	32.94	0.01901	PASS
						VN	32.74	0.0189	PASS
		MCH		TN	VH	38.51	0.02223	PASS	
					VL	-25.45	-0.01456	PASS	
					VN	-28.25	-0.01617	PASS	
		HCH		TN	VH	-35.00	-0.02003	PASS	
					VL	-9.37	-0.00545	PASS	
					VN	-9.88	-0.00574	PASS	
		20		LCH	TN	VH	-8.84	-0.00514	PASS
						VL	15.86	0.00915	PASS
						VN			
			MCH	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		
			HCH	TN	VN	16.68	0.00963	PASS		
					VH	15.95	0.00921	PASS		
					VL	-3.35	-0.00192	PASS		
					VN	-4.23	-0.00242	PASS		
					VH	-3.43	-0.00197	PASS		
			LCH	TN	VL	1.60	0.00094	PASS		
					VN	4.21	0.00246	PASS		
					VH	2.27	0.00133	PASS		
					MCH	TN	VL	1.10	0.00063	PASS
							VN	2.63	0.00152	PASS
	VH	4.41	0.00255	PASS						
	HCH	TN	VL	-3.91	-0.00223	PASS				
			VN	-0.27	-0.00015	PASS				
			VH	-2.90	-0.00165	PASS				
			3	LCH	TN	VL	-10.81	-0.00632	PASS	
						VN	-7.85	-0.00459	PASS	
	VH	-11.69				-0.00683	PASS			
	MCH	TN				VL	-186.62	-0.10772	PASS	
	BAND7	LTE/TM1	5	LCH	TN	VL	3.42	0.00137	PASS	
						VN	6.88	0.00275	PASS	
VH						5.09	0.00203	PASS		
MCH						TN	VL	-0.70	-0.00028	PASS
							VN	-3.89	-0.00153	PASS
							VH	-3.99	-0.00157	PASS
HCH				TN	VL	3.06	0.00119	PASS		
					VN	-0.40	-0.00016	PASS		
					VH	-0.62	-0.00024	PASS		
10				LCH	TN	VL	-2.12	-0.00085	PASS	
						VN	-0.09	-0.00004	PASS	
						VH	-2.35	-0.00094	PASS	
			MCH			TN	VL	-2.00	-0.00079	PASS
							VN	-3.52	-0.00139	PASS
							VH	-2.19	-0.00086	PASS
HCH			TN	VL	-1.95	-0.00076	PASS			
				VN	-3.96	-0.00154	PASS			
				VH	-0.31	-0.00012	PASS			
15			LCH	TN	VL	-1.03	-0.00041	PASS		
					VN	-4.71	-0.00188	PASS		
					VH	-0.74	-0.0003	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		20	MCH	TN	VL	-2.25	-0.00089	PASS	
					VN	-3.82	-0.00151	PASS	
					VH	-3.15	-0.00124	PASS	
			HCH	TN	VL	-0.34	-0.00013	PASS	
					VN	0.74	0.00029	PASS	
					VH	2.33	0.00091	PASS	
			LCH	TN	VL	-0.19	-0.00008	PASS	
					VN	1.79	0.00071	PASS	
					VH	1.00	0.0004	PASS	
		MCH	TN	VL	-3.93	-0.00155	PASS		
				VN	-0.93	-0.00037	PASS		
				VH	-3.66	-0.00144	PASS		
		HCH	TN	VL	-1.76	-0.00069	PASS		
				VN	-0.69	-0.00027	PASS		
				VH	-0.09	-0.00004	PASS		
		LTE/TM2	5	LCH	TN	VL	5.45	0.00218	PASS
						VN	-5.02	-0.00201	PASS
						VH	16.22	0.00648	PASS
	MCH			TN	VL	-5.41	-0.00213	PASS	
					VN	-3.72	-0.00147	PASS	
					VH	-4.48	-0.00177	PASS	
	HCH			TN	VL	-0.14	-0.00005	PASS	
					VN	-0.49	-0.00019	PASS	
					VH	1.33	0.00052	PASS	
	10		LCH	TN	VL	-4.15	-0.00166	PASS	
					VN	-5.22	-0.00208	PASS	
					VH	-2.85	-0.00114	PASS	
			MCH	TN	VL	-0.79	-0.00031	PASS	
					VN	-3.13	-0.00123	PASS	
					VH	-3.05	-0.0012	PASS	
	HCH		TN	VL	-3.78	-0.00147	PASS		
				VN	-4.35	-0.0017	PASS		
				VH	-3.22	-0.00126	PASS		
	15	LCH	TN	VL	2.69	0.00107	PASS		
				VN	1.02	0.00041	PASS		
				VH	1.56	0.00062	PASS		
		MCH	TN	VL	-2.90	-0.00114	PASS		
				VN	-3.13	-0.00123	PASS		
				VH	-5.36	-0.00211	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20	HCH	TN	VL	3.35	0.00131	PASS
					VN	3.06	0.00119	PASS
					VH	4.71	0.00184	PASS
			LCH	TN	VL	0.92	0.00037	PASS
					VN	2.45	0.00098	PASS
					VH	2.00	0.0008	PASS
		MCH	TN	VL	-2.98	-0.00118	PASS	
				VN	-3.63	-0.00143	PASS	
				VH	-3.91	-0.00154	PASS	
		HCH	TN	VL	-0.89	-0.00035	PASS	
				VN	-0.69	-0.00027	PASS	
				VH	2.35	0.00092	PASS	

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND2	LTE/TM1	1.4	LCH	VN	-30	-8.33	-0.0045	PASS
					-20	-6.28	-0.00339	PASS
					-10	-2.39	-0.00129	PASS
					0	-3.32	-0.00179	PASS
					10	-8.54	-0.00461	PASS
					20	-5.55	-0.003	PASS
					30	-3.40	-0.00184	PASS
					40	-3.20	-0.00173	PASS
					50	-4.12	-0.00223	PASS
			MCH	VN	-30	-4.19	-0.00223	PASS
					-20	-2.17	-0.00115	PASS
					-10	-4.18	-0.00222	PASS
					0	-3.19	-0.0017	PASS
					10	-3.29	-0.00175	PASS
					20	-3.63	-0.00193	PASS
					30	-3.23	-0.00172	PASS
					40	-3.52	-0.00187	PASS
					50	-6.05	-0.00322	PASS
			HCH	VN	-30	-0.24	-0.00013	PASS
					-20	1.69	0.00089	PASS
					-10	0.10	0.00005	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	0.14	0.00007	PASS		
					10	-0.16	-0.00008	PASS		
					20	0.11	0.00006	PASS		
					30	0.24	0.00013	PASS		
					40	-0.37	-0.00019	PASS		
					50	-2.99	-0.00157	PASS		
		3	LCH	VN	-30	-3.09	-0.00167	PASS		
					-20	-2.55	-0.00138	PASS		
					-10	-3.88	-0.0021	PASS		
					0	-1.29	-0.0007	PASS		
					10	-2.46	-0.00133	PASS		
					20	-2.62	-0.00142	PASS		
					30	-3.72	-0.00201	PASS		
					40	-3.92	-0.00212	PASS		
					50	-3.96	-0.00214	PASS		
					MCH	VN	-30	-3.96	-0.00211	PASS
							-20	-5.68	-0.00302	PASS
							-10	-2.83	-0.00151	PASS
			0	-2.95			-0.00157	PASS		
			10	-3.58			-0.0019	PASS		
			20	-5.35			-0.00285	PASS		
			HCH	VN	30	-3.10	-0.00165	PASS		
					40	-4.35	-0.00231	PASS		
					50	-3.63	-0.00193	PASS		
					-30	-1.73	-0.00091	PASS		
					-20	-4.19	-0.0022	PASS		
					-10	-2.02	-0.00106	PASS		
			5	LCH	VN	0	-0.24	-0.00013	PASS	
						10	0.96	0.0005	PASS	
						20	-0.73	-0.00038	PASS	
		30				-0.82	-0.00043	PASS		
		40				-0.43	-0.00023	PASS		
		50				-2.65	-0.00139	PASS		
							-30	-2.22	-0.0012	PASS
							-20	-3.59	-0.00194	PASS
							-10	-2.98	-0.00161	PASS
0	-4.41						-0.00238	PASS		
10	-4.42						-0.00239	PASS		
20	-1.70						-0.00092	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-2.42	-0.00131	PASS		
					40	-2.69	-0.00145	PASS		
					50	-2.20	-0.00119	PASS		
			MCH	VN	-30	-12.26	-0.00652	PASS		
					-20	-13.66	-0.00727	PASS		
					-10	-13.93	-0.00741	PASS		
					0	-13.05	-0.00694	PASS		
					10	-12.53	-0.00666	PASS		
					20	-13.78	-0.00733	PASS		
					30	-14.38	-0.00765	PASS		
					40	-12.72	-0.00677	PASS		
					50	-12.56	-0.00668	PASS		
					HCH	VN	-30	-0.21	-0.00011	PASS
			-20	-0.20			-0.0001	PASS		
			-10	0.43			0.00023	PASS		
			0	1.12			0.00059	PASS		
			10	0.44			0.00023	PASS		
			20	0.79			0.00041	PASS		
			30	-0.23			-0.00012	PASS		
			40	1.19			0.00062	PASS		
			LCH	VN	-30	-189.89	-0.10237	PASS		
					-20	-199.57	-0.10758	PASS		
					-10	-206.74	-0.11145	PASS		
					0	-220.64	-0.11894	PASS		
					10	-219.88	-0.11853	PASS		
					20	-224.52	-0.12104	PASS		
					30	-229.51	-0.12373	PASS		
					40	-228.98	-0.12344	PASS		
					50	-233.49	-0.12587	PASS		
					MCH	VN	-30	-5.35	-0.00285	PASS
							-20	-6.17	-0.00328	PASS
							-10	-3.73	-0.00198	PASS
							0	-5.59	-0.00297	PASS
							10	-5.16	-0.00274	PASS
							20	-3.55	-0.00189	PASS
			30	-3.33			-0.00177	PASS		
40	-4.55	-0.00242	PASS							
50	-5.51	-0.00293	PASS							

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			HCH	VN	-30	0.11	0.00006	PASS	
					-20	-0.47	-0.00025	PASS	
					-10	0.19	0.0001	PASS	
					0	0.87	0.00046	PASS	
					10	1.10	0.00058	PASS	
					20	1.00	0.00052	PASS	
					30	0.92	0.00048	PASS	
					40	2.05	0.00108	PASS	
					50	1.75	0.00092	PASS	
				LCH	VN	-30	-8.10	-0.00436	PASS
						-20	-7.67	-0.00413	PASS
						-10	-8.21	-0.00442	PASS
						0	-7.40	-0.00398	PASS
						10	-7.05	-0.0038	PASS
						20	-7.58	-0.00408	PASS
						30	-6.39	-0.00344	PASS
						40	-7.87	-0.00424	PASS
						50	-8.68	-0.00467	PASS
				MCH	VN	-30	-3.20	-0.0017	PASS
						-20	-2.78	-0.00148	PASS
						-10	-5.15	-0.00274	PASS
						0	-5.95	-0.00316	PASS
						10	-6.22	-0.00331	PASS
						20	-4.84	-0.00257	PASS
						30	-5.05	-0.00269	PASS
						40	-4.61	-0.00245	PASS
						50	-3.79	-0.00202	PASS
				HCH	VN	-30	-26.34	-0.01384	PASS
						-20	-24.91	-0.01309	PASS
						-10	-27.84	-0.01463	PASS
						0	-63.03	-0.03313	PASS
						10	-67.68	-0.03557	PASS
						20	-63.66	-0.03346	PASS
						30	-32.59	-0.01713	PASS
						40	-41.86	-0.022	PASS
						50	-75.46	-0.03966	PASS
			LCH	VN	-30	-70.85	-0.03809	PASS	
					-20	-67.72	-0.03641	PASS	
					-10	-65.65	-0.0353	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					0	-42.30	-0.02274	PASS	
					10	-62.64	-0.03368	PASS	
					20	-50.87	-0.02735	PASS	
					30	-61.10	-0.03285	PASS	
					40	-33.46	-0.01799	PASS	
					50	-8.14	-0.00438	PASS	
			MCH	VN	-30	-4.06	-0.00216	PASS	
					-20	-3.63	-0.00193	PASS	
					-10	-2.32	-0.00123	PASS	
					0	-3.52	-0.00187	PASS	
					10	-3.36	-0.00179	PASS	
					20	-4.56	-0.00243	PASS	
					30	-3.49	-0.00186	PASS	
			HCH	VN	40	-3.56	-0.00189	PASS	
					50	-4.51	-0.0024	PASS	
					-30	-2.79	-0.00147	PASS	
					-20	-3.92	-0.00206	PASS	
					-10	-2.89	-0.00152	PASS	
					0	-3.36	-0.00177	PASS	
					10	-2.90	-0.00153	PASS	
					20	-3.55	-0.00187	PASS	
	LCH	VN	30	-3.03	-0.00159	PASS			
			40	-2.78	-0.00146	PASS			
			50	-3.15	-0.00166	PASS			
			-30	-2.23	-0.0012	PASS			
			-20	0.21	0.00011	PASS			
			-10	0.49	0.00026	PASS			
			0	-6.91	-0.00373	PASS			
			10	1.34	0.00072	PASS			
			20	-7.31	-0.00395	PASS			
			30	3.03	0.00164	PASS			
	MCH	VN	40	4.13	0.00223	PASS			
			50	-5.29	-0.00286	PASS			
			-30	-3.12	-0.00166	PASS			
			-20	-4.61	-0.00245	PASS			
			-10	-5.64	-0.003	PASS			
			0	-5.24	-0.00279	PASS			
						10	-4.36	-0.00232	PASS
						20	-1.63	-0.00087	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-3.36	-0.00179	PASS		
					40	-6.38	-0.00339	PASS		
					50	-4.53	-0.00241	PASS		
			HCH	VN	-30	0.21	0.00011	PASS		
					-20	0.57	0.0003	PASS		
					-10	-1.85	-0.00097	PASS		
					0	-2.40	-0.00126	PASS		
					10	-3.46	-0.00181	PASS		
					20	-3.73	-0.00195	PASS		
					30	-0.46	-0.00024	PASS		
					40	-1.24	-0.00065	PASS		
					50	-2.09	-0.00109	PASS		
					LCH	VN	-30	-3.49	-0.00188	PASS
							-20	-4.36	-0.00235	PASS
							-10	-3.92	-0.00212	PASS
		0	-2.70	-0.00146			PASS			
		10	-4.53	-0.00245			PASS			
		20	-3.65	-0.00197			PASS			
		30	-0.39	-0.00021			PASS			
		40	-6.34	-0.00342			PASS			
		50	-0.23	-0.00012			PASS			
		MCH	VN	-30	-4.45	-0.00237	PASS			
				-20	-3.86	-0.00205	PASS			
				-10	-5.11	-0.00272	PASS			
				0	-3.93	-0.00209	PASS			
				10	-3.02	-0.00161	PASS			
				20	-3.18	-0.00169	PASS			
				30	-5.42	-0.00288	PASS			
				40	-2.22	-0.00118	PASS			
		HCH	VN	50	-5.61	-0.00298	PASS			
				-30	0.13	0.00007	PASS			
				-20	-1.07	-0.00056	PASS			
				-10	0.36	0.00019	PASS			
				0	1.57	0.00082	PASS			
				10	1.49	0.00078	PASS			
				20	0.89	0.00047	PASS			
				30	-0.06	-0.00003	PASS			
				40	0.29	0.00015	PASS			
		50	0.41	0.00021	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		5	LCH	VN	-30	-3.39	-0.00183	PASS
					-20	-3.13	-0.00169	PASS
					-10	-1.73	-0.00093	PASS
					0	-2.49	-0.00134	PASS
					10	-3.50	-0.00189	PASS
					20	-3.29	-0.00178	PASS
					30	-3.78	-0.00204	PASS
					40	-3.30	-0.00178	PASS
					50	-2.16	-0.00117	PASS
			MCH	VN	-30	-9.07	-0.00482	PASS
					-20	-8.74	-0.00465	PASS
					-10	-9.18	-0.00488	PASS
					0	-6.85	-0.00364	PASS
					10	-9.83	-0.00523	PASS
					20	-7.74	-0.00412	PASS
					30	-7.60	-0.00404	PASS
					40	-8.40	-0.00447	PASS
					50	-6.87	-0.00365	PASS
		HCH	VN	-30	0.34	0.00018	PASS	
				-20	-1.13	-0.00059	PASS	
				-10	-0.90	-0.00047	PASS	
				0	-0.69	-0.00036	PASS	
				10	-0.70	-0.00037	PASS	
				20	0.46	0.00024	PASS	
				30	-0.49	-0.00026	PASS	
				40	-0.21	-0.00011	PASS	
				50	0.07	0.00004	PASS	
		10	LCH	VN	-30	-188.30	-0.10151	PASS
					-20	-199.43	-0.10751	PASS
					-10	-201.13	-0.10843	PASS
					0	-208.43	-0.11236	PASS
					10	-208.25	-0.11226	PASS
					20	-209.13	-0.11274	PASS
					30	-221.19	-0.11924	PASS
					40	-222.99	-0.12021	PASS
					50	-214.91	-0.11585	PASS
MCH	VN		-30	-6.11	-0.00325	PASS		
			-20	-7.21	-0.00384	PASS		
			-10	-4.55	-0.00242	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					0	-6.09	-0.00324	PASS			
					10	-6.08	-0.00323	PASS			
					20	-4.99	-0.00265	PASS			
					30	-5.58	-0.00297	PASS			
					40	-6.61	-0.00352	PASS			
					50	-3.38	-0.0018	PASS			
			HCH	VN				-30	1.13	0.00059	PASS
								-20	0.56	0.00029	PASS
								-10	0.31	0.00016	PASS
								0	-1.26	-0.00066	PASS
								10	-0.04	-0.00002	PASS
								20	1.59	0.00083	PASS
								30	0.66	0.00035	PASS
								40	0.84	0.00044	PASS
		50	1.04	0.00055		PASS					
		LCH	VN					-30	-8.08	-0.00435	PASS
								-20	-8.31	-0.00447	PASS
								-10	-7.27	-0.00391	PASS
								0	-7.97	-0.00429	PASS
								10	-7.21	-0.00388	PASS
					20			-7.18	-0.00387	PASS	
					30			-8.78	-0.00473	PASS	
					40			-6.69	-0.0036	PASS	
					50			-7.21	-0.00388	PASS	
					MCH			VN			
		-20	-3.66			-0.00195	PASS				
		-10	-4.09			-0.00218	PASS				
		0	-3.12			-0.00166	PASS				
		10	-2.50			-0.00133	PASS				
		20	-2.96	-0.00157		PASS					
		30	-2.75	-0.00146		PASS					
		40	-3.33	-0.00177		PASS					
		50	-2.93	-0.00156	PASS						
		HCH	VN				-30	-40.70		-0.02139	PASS
							-20	-8.15		-0.00428	PASS
							-10	-42.34		-0.02225	PASS
							0	-42.47		-0.02232	PASS
							10	-52.69		-0.0277	PASS
							20	-58.34	-0.03066	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-27.38	-0.01439	PASS		
					40	-41.40	-0.02176	PASS		
					50	-59.22	-0.03113	PASS		
					LCH	VN	-30	-46.98	-0.02526	PASS
							-20	-50.95	-0.02739	PASS
							-10	-52.00	-0.02796	PASS
		0	-59.04	-0.03174			PASS			
		10	-29.35	-0.01578			PASS			
		20	-30.30	-0.01629			PASS			
		30	-15.78	-0.00848			PASS			
		40	-11.72	-0.0063			PASS			
		50	8.91	0.00479			PASS			
		MCH	VN	-30			-2.06	-0.0011	PASS	
				-20			-3.46	-0.00184	PASS	
				-10	-2.26	-0.0012	PASS			
				0	-2.43	-0.00129	PASS			
				10	-3.33	-0.00177	PASS			
				20	-3.52	-0.00187	PASS			
				30	-2.62	-0.00139	PASS			
				40	-2.55	-0.00136	PASS			
		HCH	VN	50	-2.55	-0.00136	PASS			
				-30	-2.70	-0.00142	PASS			
				-20	-2.62	-0.00138	PASS			
				-10	-2.75	-0.00145	PASS			
				0	-3.66	-0.00193	PASS			
				10	-3.00	-0.00158	PASS			
				20	-2.43	-0.00128	PASS			
30	-2.49			-0.00131	PASS					
BAND4	LTE/TM1	1.4	LCH	VN	40	-2.37	-0.00125	PASS		
					50	-2.12	-0.00112	PASS		
					-30	0.80	0.00047	PASS		
					-20	1.06	0.00062	PASS		
					-10	1.02	0.0006	PASS		
					0	7.37	0.00431	PASS		
					10	0.37	0.00022	PASS		
					20	4.84	0.00283	PASS		
					30	0.59	0.00034	PASS		
40	3.23	0.00189	PASS							
50	1.46	0.00085	PASS							

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	1.03	0.00059	PASS
					-20	0.37	0.00021	PASS
					-10	0.50	0.00029	PASS
					0	0.44	0.00025	PASS
					10	-0.23	-0.00013	PASS
					20	-0.94	-0.00054	PASS
					30	0.29	0.00017	PASS
					40	-1.06	-0.00061	PASS
					50	1.54	0.00089	PASS
			HCH	VN	-30	-4.09	-0.00233	PASS
					-20	-1.09	-0.00062	PASS
					-10	-6.17	-0.00352	PASS
					0	-2.07	-0.00118	PASS
					10	-3.32	-0.00189	PASS
					20	-5.76	-0.00328	PASS
					30	-3.42	-0.00195	PASS
					40	-2.23	-0.00127	PASS
					50	-5.48	-0.00312	PASS
		3	LCH	VN	-30	8.18	0.00478	PASS
					-20	3.78	0.00221	PASS
					-10	6.42	0.00375	PASS
					0	4.89	0.00286	PASS
					10	4.05	0.00237	PASS
					20	4.61	0.00269	PASS
					30	4.05	0.00237	PASS
					40	4.61	0.00269	PASS
					50	1.95	0.00114	PASS
			MCH	VN	-30	17.22	0.00994	PASS
					-20	17.32	0.01	PASS
					-10	14.82	0.00855	PASS
					0	12.93	0.00746	PASS
					10	8.10	0.00468	PASS
					20	9.94	0.00574	PASS
					30	14.85	0.00857	PASS
					40	6.55	0.00378	PASS
					50	3.30	0.0019	PASS
		HCH	VN	-30	-0.36	-0.00021	PASS	
				-20	1.07	0.00061	PASS	
				-10	-0.33	-0.00019	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	0.46	0.00026	PASS		
					10	1.70	0.00097	PASS		
					20	-1.10	-0.00063	PASS		
					30	-0.19	-0.00011	PASS		
					40	1.32	0.00075	PASS		
					50	-0.11	-0.00006	PASS		
		5	LCH	VN	-30	-27.67	-0.01616	PASS		
					-20	-23.16	-0.01352	PASS		
					-10	-55.03	-0.03213	PASS		
					0	-39.48	-0.02305	PASS		
					10	-49.27	-0.02877	PASS		
					20	-35.16	-0.02053	PASS		
					30	-44.10	-0.02575	PASS		
					40	-18.10	-0.01057	PASS		
					50	-39.58	-0.02311	PASS		
					MCH	VN	-30	52.96	0.03057	PASS
							-20	24.75	0.01429	PASS
							-10	44.17	0.02549	PASS
							0	44.90	0.02592	PASS
							10	41.48	0.02394	PASS
							20	28.24	0.0163	PASS
							30	15.46	0.00892	PASS
							40	23.63	0.01364	PASS
							50	22.10	0.01276	PASS
		HCH	VN	-30	-3.65	-0.00208	PASS			
				-20	-3.96	-0.00226	PASS			
				-10	-4.15	-0.00237	PASS			
				0	-2.66	-0.00152	PASS			
				10	-3.45	-0.00197	PASS			
				20	-3.05	-0.00174	PASS			
				30	-1.34	-0.00076	PASS			
				40	-0.59	-0.00034	PASS			
				50	0.26	0.00015	PASS			
		10	LCH	VN	-30	-3.02	-0.00176	PASS		
					-20	-2.27	-0.00132	PASS		
					-10	-2.85	-0.00166	PASS		
0	-1.83				-0.00107	PASS				
10	-1.92				-0.00112	PASS				
20	-6.07				-0.00354	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-5.31	-0.0031	PASS
					40	-4.48	-0.00261	PASS
					50	-5.21	-0.00304	PASS
			MCH	VN	-30	-54.24	-0.03131	PASS
					-20	-60.02	-0.03464	PASS
					-10	-65.72	-0.03793	PASS
					0	-68.36	-0.03946	PASS
					10	-71.04	-0.041	PASS
					20	-76.62	-0.04423	PASS
					30	-69.85	-0.04032	PASS
					40	-70.17	-0.0405	PASS
					50	-68.15	-0.03934	PASS
			HCH	VN	-30	1.65	0.00094	PASS
					-20	1.32	0.00075	PASS
					-10	2.39	0.00137	PASS
					0	2.27	0.0013	PASS
					10	1.43	0.00082	PASS
					20	1.47	0.00084	PASS
		30			1.97	0.00113	PASS	
		40			1.17	0.00067	PASS	
		50			1.50	0.00086	PASS	
		15	LCH	VN	-30	0.04	0.00002	PASS
					-20	-4.59	-0.00267	PASS
					-10	-3.20	-0.00186	PASS
					0	-3.92	-0.00228	PASS
					10	-1.85	-0.00108	PASS
					20	-0.37	-0.00022	PASS
					30	-0.66	-0.00038	PASS
					40	-0.27	-0.00016	PASS
					50	0.56	0.00033	PASS
			MCH	VN	-30	-9.20	-0.00531	PASS
					-20	-9.07	-0.00524	PASS
					-10	-4.98	-0.00287	PASS
					0	1.22	0.0007	PASS
					10	8.77	0.00506	PASS
					20	12.33	0.00712	PASS
30	11.29				0.00652	PASS		
40	10.66				0.00615	PASS		
50	-12.85				-0.00742	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			HCH	VN	-30	16.21	0.00928	PASS	
					-20	13.32	0.00762	PASS	
					-10	-5.41	-0.0031	PASS	
					0	0.00	0	PASS	
					10	-1.60	-0.00092	PASS	
					20	-4.73	-0.00271	PASS	
					30	-7.07	-0.00405	PASS	
					40	-2.12	-0.00121	PASS	
					50	-2.80	-0.0016	PASS	
			LCH	VN	-30	3.02	0.00176	PASS	
					-20	5.36	0.00312	PASS	
					-10	6.07	0.00353	PASS	
					0	4.96	0.00288	PASS	
					10	5.98	0.00348	PASS	
					20	5.69	0.00331	PASS	
					30	5.81	0.00338	PASS	
					40	6.94	0.00403	PASS	
					50	6.34	0.00369	PASS	
		MCH	VN	-30	1.07	0.00062	PASS		
				-20	-4.42	-0.00255	PASS		
				-10	-1.26	-0.00073	PASS		
				0	-5.28	-0.00305	PASS		
				10	-4.23	-0.00244	PASS		
				20	-0.83	-0.00048	PASS		
				30	-5.19	-0.003	PASS		
				40	-1.04	-0.0006	PASS		
				50	-2.76	-0.00159	PASS		
		HCH	VN	-30	-3.08	-0.00177	PASS		
				-20	-3.95	-0.00226	PASS		
				-10	-2.20	-0.00126	PASS		
				0	-2.29	-0.00131	PASS		
				10	-4.08	-0.00234	PASS		
				20	-2.88	-0.00165	PASS		
				30	-3.95	-0.00226	PASS		
				40	-3.35	-0.00192	PASS		
				50	-3.19	-0.00183	PASS		
		LTE/TM2	1.4	LCH	VN	-30	0.24	0.00014	PASS
						-20	-0.33	-0.00019	PASS
						-10	1.14	0.00067	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					0	1.82	0.00106	PASS					
					10	-1.27	-0.00074	PASS					
					20	-1.85	-0.00108	PASS					
					30	6.15	0.0036	PASS					
					40	2.16	0.00126	PASS					
					50	3.18	0.00186	PASS					
			MCH	VN				-30	-1.72	-0.00099	PASS		
								-20	3.88	0.00224	PASS		
								-10	4.19	0.00242	PASS		
								0	-2.09	-0.00121	PASS		
								10	2.88	0.00166	PASS		
								20	0.76	0.00044	PASS		
								30	4.09	0.00236	PASS		
			HCH	VN				40	1.22	0.0007	PASS		
								50	0.39	0.00023	PASS		
								-30	-0.87	-0.0005	PASS		
								-20	-4.13	-0.00235	PASS		
								-10	-3.00	-0.00171	PASS		
								0	-2.78	-0.00158	PASS		
								10	-3.15	-0.0018	PASS		
								20	-2.36	-0.00135	PASS		
		3			LCH	VN	30	-1.60	-0.00091	PASS			
							40	-1.75	-0.001	PASS			
							50	-0.94	-0.00054	PASS			
							-30	-13.25	-0.00774	PASS			
							-20	-10.91	-0.00637	PASS			
							-10	-13.23	-0.00773	PASS			
					MCH	VN				0	-10.21	-0.00597	PASS
										10	-7.64	-0.00446	PASS
										20	-8.21	-0.0048	PASS
										30	-11.43	-0.00668	PASS
										40	-12.75	-0.00745	PASS
										50	-11.53	-0.00674	PASS
										-30	5.55	0.0032	PASS
		-20	5.42	0.00313	PASS								
		-10	4.98	0.00287	PASS								
							0	4.66	0.00269	PASS			
							10	5.56	0.00321	PASS			
							20	4.78	0.00276	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	5.38	0.00311	PASS		
					40	5.81	0.00335	PASS		
					50	5.84	0.00337	PASS		
			HCH	VN	-30	-0.51	-0.00029	PASS		
					-20	0.72	0.00041	PASS		
					-10	0.72	0.00041	PASS		
					0	1.85	0.00106	PASS		
					10	1.02	0.00058	PASS		
					20	-0.47	-0.00027	PASS		
					30	0.67	0.00038	PASS		
					40	2.05	0.00117	PASS		
					50	0.74	0.00042	PASS		
					LCH	VN	-30	47.62	0.02781	PASS
							-20	42.76	0.02497	PASS
							-10	50.17	0.0293	PASS
		0	48.54	0.02834			PASS			
		10	45.76	0.02672			PASS			
		20	49.50	0.02891			PASS			
		30	51.66	0.03017			PASS			
		40	45.08	0.02632			PASS			
		50	46.75	0.0273			PASS			
		MCH	VN	-30	5.32	0.00307	PASS			
				-20	6.08	0.00351	PASS			
				-10	5.52	0.00319	PASS			
				0	4.31	0.00249	PASS			
				10	5.35	0.00309	PASS			
				20	5.12	0.00296	PASS			
				30	2.79	0.00161	PASS			
				40	4.46	0.00257	PASS			
				50	3.88	0.00224	PASS			
		HCH	VN	-30	-1.67	-0.00095	PASS			
				-20	-1.62	-0.00092	PASS			
				-10	-2.19	-0.00125	PASS			
				0	-3.92	-0.00224	PASS			
				10	-2.30	-0.00131	PASS			
				20	-3.18	-0.00181	PASS			
				30	-3.58	-0.00204	PASS			
				40	-4.03	-0.0023	PASS			
				50	-4.38	-0.0025	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	LCH	VN	-30	-2.53	-0.00148	PASS
					-20	-2.10	-0.00122	PASS
					-10	-2.79	-0.00163	PASS
					0	-4.78	-0.00279	PASS
					10	-1.69	-0.00099	PASS
					20	-3.53	-0.00206	PASS
					30	-3.15	-0.00184	PASS
					40	-2.76	-0.00161	PASS
					50	-3.39	-0.00198	PASS
			MCH	VN	-30	123.57	0.07132	PASS
					-20	117.97	0.06809	PASS
					-10	125.56	0.07247	PASS
					0	131.32	0.0758	PASS
					10	123.05	0.07102	PASS
					20	122.31	0.0706	PASS
					30	121.91	0.07037	PASS
					40	120.28	0.06943	PASS
					50	121.12	0.06991	PASS
		HCH	VN	-30	3.95	0.00226	PASS	
				-20	3.50	0.002	PASS	
				-10	2.45	0.0014	PASS	
				0	1.79	0.00102	PASS	
				10	2.06	0.00118	PASS	
				20	2.92	0.00167	PASS	
				30	2.59	0.00148	PASS	
				40	3.55	0.00203	PASS	
				50	3.71	0.00212	PASS	
		15	LCH	VN	-30	0.14	0.00008	PASS
					-20	-0.07	-0.00004	PASS
					-10	-0.34	-0.0002	PASS
					0	-2.13	-0.00124	PASS
					10	-0.19	-0.00011	PASS
					20	0.69	0.0004	PASS
					30	0.51	0.0003	PASS
					40	0.33	0.00019	PASS
					50	-0.69	-0.0004	PASS
MCH	VN		-30	71.11	0.04104	PASS		
			-20	64.85	0.03743	PASS		
			-10	63.00	0.03636	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	66.91	0.03862	PASS
					10	62.01	0.03579	PASS
					20	63.51	0.03666	PASS
					30	57.01	0.03291	PASS
					40	53.57	0.03092	PASS
BAND7	LTE/TM1	5	LCH	VN	-30	9.87	0.00394	PASS
					-20	0.87	0.00035	PASS
					-10	4.81	0.00192	PASS
					0	3.15	0.00126	PASS
					10	-3.23	-0.00129	PASS
					20	1.07	0.00043	PASS
					30	-1.24	-0.0005	PASS
					40	0.66	0.00026	PASS
					50	2.93	0.00117	PASS
			MCH	VN	-30	-2.63	-0.00104	PASS
					-20	-2.57	-0.00101	PASS
					-10	-0.70	-0.00028	PASS
					0	-1.50	-0.00059	PASS
					10	-1.50	-0.00059	PASS
					20	-2.27	-0.0009	PASS
					30	-2.19	-0.00086	PASS
					40	-2.88	-0.00114	PASS
					50	-1.79	-0.00071	PASS
		HCH	VN	-30	1.47	0.00057	PASS	
				-20	0.50	0.00019	PASS	
				-10	0.77	0.0003	PASS	
				0	3.43	0.00134	PASS	
				10	-2.37	-0.00092	PASS	
				20	0.82	0.00032	PASS	
				30	-0.69	-0.00027	PASS	
				40	1.47	0.00057	PASS	
				50	0.60	0.00023	PASS	
		10	LCH	VN	-30	-1.86	-0.00074	PASS
					-20	-1.24	-0.0005	PASS
					-10	-1.47	-0.00059	PASS
					0	-4.29	-0.00171	PASS
					10	-2.80	-0.00112	PASS
					20	-3.76	-0.0015	PASS
30	-4.13				-0.00165	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	-3.23	-0.00129	PASS	
					50	-3.00	-0.0012	PASS	
			MCH	VN	-30	-2.79	-0.0011	PASS	
					-20	-3.50	-0.00138	PASS	
					-10	-2.36	-0.00093	PASS	
					0	-0.92	-0.00036	PASS	
					10	-1.49	-0.00059	PASS	
					20	-0.62	-0.00024	PASS	
					30	-2.98	-0.00118	PASS	
					40	-3.83	-0.00151	PASS	
					50	-2.15	-0.00085	PASS	
					HCH	VN	-30	-4.56	-0.00178
			-20	-2.29			-0.00089	PASS	
			-10	-2.68			-0.00104	PASS	
			0	-2.07			-0.00081	PASS	
			10	-3.68			-0.00143	PASS	
			20	-4.52			-0.00176	PASS	
			30	-1.00			-0.00039	PASS	
		40	-2.59	-0.00101			PASS		
		15		LCH	VN	-30	4.51	0.0018	PASS
						-20	4.36	0.00174	PASS
						-10	6.92	0.00276	PASS
						0	4.26	0.0017	PASS
						10	2.66	0.00106	PASS
						20	4.28	0.00171	PASS
						30	4.06	0.00162	PASS
						40	4.29	0.00171	PASS
						50	3.73	0.00149	PASS
				MCH	VN	-30	-3.59	-0.00142	PASS
						-20	-1.60	-0.00063	PASS
						-10	-3.09	-0.00122	PASS
						0	-3.72	-0.00147	PASS
						10	-3.15	-0.00124	PASS
20	-4.22					-0.00166	PASS		
30	-3.50	-0.00138	PASS						
40	-1.79	-0.00071	PASS						
HCH	VN	-30	2.95	0.00115	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	1.75	0.00068	PASS
					-10	1.00	0.00039	PASS
					0	2.50	0.00098	PASS
					10	0.43	0.00017	PASS
					20	3.23	0.00126	PASS
					30	1.30	0.00051	PASS
					40	2.26	0.00088	PASS
					50	0.76	0.0003	PASS
		20	LCH	VN	-30	-0.41	-0.00016	PASS
					-20	-0.77	-0.00031	PASS
					-10	1.20	0.00048	PASS
					0	3.13	0.00125	PASS
					10	4.51	0.0018	PASS
					20	0.07	0.00003	PASS
					30	0.62	0.00025	PASS
					40	-0.27	-0.00011	PASS
		20	MCH	VN	-30	-3.76	-0.00148	PASS
					-20	-2.05	-0.00081	PASS
					-10	-3.22	-0.00127	PASS
					0	-2.69	-0.00106	PASS
	10				-3.36	-0.00133	PASS	
	20				-0.97	-0.00038	PASS	
	30				-3.18	-0.00125	PASS	
	40				-3.45	-0.00136	PASS	
	20	HCH	VN	-30	-0.47	-0.00018	PASS	
				-20	-0.21	-0.00008	PASS	
				-10	0.13	0.00005	PASS	
				0	-0.57	-0.00022	PASS	
				10	-3.00	-0.00117	PASS	
				20	-0.80	-0.00031	PASS	
				30	-0.51	-0.0002	PASS	
				40	-0.90	-0.00035	PASS	
	LTE/TM2	5	LCH	VN	-30	-4.95	-0.00198	PASS
					-20	-3.59	-0.00143	PASS
					-10	-0.57	-0.00023	PASS
					0	-11.62	-0.00464	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10			10	-5.54	-0.00221	PASS	
					20	-0.87	-0.00035	PASS	
					30	-0.74	-0.0003	PASS	
					40	-1.67	-0.00067	PASS	
					50	-2.32	-0.00093	PASS	
			MCH	VN	-30	-3.22	-0.00127	PASS	
					-20	-3.22	-0.00127	PASS	
					-10	-3.62	-0.00143	PASS	
					0	-3.71	-0.00146	PASS	
					10	-3.82	-0.00151	PASS	
					20	-2.98	-0.00118	PASS	
					30	-0.33	-0.00013	PASS	
					40	-2.99	-0.00118	PASS	
					50	-1.66	-0.00065	PASS	
			HCH	VN	-30	-0.17	-0.00007	PASS	
					-20	-3.19	-0.00124	PASS	
					-10	4.03	0.00157	PASS	
					0	0.10	0.00004	PASS	
					10	0.34	0.00013	PASS	
					20	-2.78	-0.00108	PASS	
					30	-2.50	-0.00097	PASS	
					40	-1.95	-0.00076	PASS	
			LCH	VN	50	-3.13	-0.00122	PASS	
					-30	-3.53	-0.00141	PASS	
		-20			-2.07	-0.00083	PASS		
		-10			-2.69	-0.00107	PASS		
		0			-2.25	-0.0009	PASS		
		10			-3.60	-0.00144	PASS		
		20			-2.17	-0.00087	PASS		
		30			-5.78	-0.00231	PASS		
		40			-3.63	-0.00145	PASS		
		50			-3.98	-0.00159	PASS		
		MCH			VN	-30	-1.86	-0.00073	PASS
						-20	-2.57	-0.00101	PASS
			-10	-1.87		-0.00074	PASS		
			0	-5.62		-0.00222	PASS		
10	-2.33		-0.00092	PASS					
20	-3.98		-0.00157	PASS					
30	-5.51		-0.00217	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-1.46	-0.00058	PASS
					50	-2.73	-0.00108	PASS
			HCH	VN	-30	-3.13	-0.00122	PASS
					-20	-1.53	-0.0006	PASS
					-10	-3.56	-0.00139	PASS
					0	-1.04	-0.00041	PASS
					10	-1.92	-0.00075	PASS
					20	-1.36	-0.00053	PASS
					30	-0.40	-0.00016	PASS
					40	-2.78	-0.00108	PASS
					50	-4.12	-0.00161	PASS
					LCH	VN	-30	2.76
			-20	3.28			0.00131	PASS
			-10	3.82			0.00152	PASS
			0	4.26			0.0017	PASS
		10	3.68	0.00147			PASS	
		20	3.02	0.0012			PASS	
		30	4.76	0.0019			PASS	
		40	4.15	0.00166			PASS	
		50	4.01	0.0016			PASS	
		MCH	VN	-30	-3.83	-0.00151	PASS	
				-20	-2.36	-0.00093	PASS	
				-10	-1.59	-0.00063	PASS	
				0	-2.30	-0.00091	PASS	
				10	-3.03	-0.0012	PASS	
				20	-2.47	-0.00097	PASS	
				30	-3.32	-0.00131	PASS	
				40	-3.46	-0.00136	PASS	
				50	-1.29	-0.00051	PASS	
		HCH	VN	-30	0.07	0.00003	PASS	
				-20	2.72	0.00106	PASS	
				-10	2.27	0.00089	PASS	
				0	1.44	0.00056	PASS	
				10	4.81	0.00188	PASS	
				20	4.02	0.00157	PASS	
				30	3.00	0.00117	PASS	
				40	3.81	0.00149	PASS	
				50	2.45	0.00096	PASS	
		20	LCH	VN	-30	3.91	0.00156	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	3.40	0.00135	PASS
					-10	3.39	0.00135	PASS
					0	2.59	0.00103	PASS
					10	3.60	0.00143	PASS
					20	2.78	0.00111	PASS
					30	1.82	0.00073	PASS
					40	1.46	0.00058	PASS
					50	1.96	0.00078	PASS
			MCH	VN	-30	-2.25	-0.00089	PASS
					-20	-3.48	-0.00137	PASS
					-10	-2.33	-0.00092	PASS
					0	-4.51	-0.00178	PASS
					10	-5.91	-0.00233	PASS
					20	-2.75	-0.00108	PASS
					30	-3.26	-0.00129	PASS
					40	-3.46	-0.00136	PASS
			HCH	VN	-30	1.59	0.00062	PASS
					-20	0.13	0.00005	PASS
					-10	0.51	0.0002	PASS
					0	0.29	0.00011	PASS
					10	-0.30	-0.00012	PASS
					20	0.41	0.00016	PASS
					30	1.07	0.00042	PASS
					40	1.42	0.00055	PASS
					50	0.27	0.00011	PASS

END