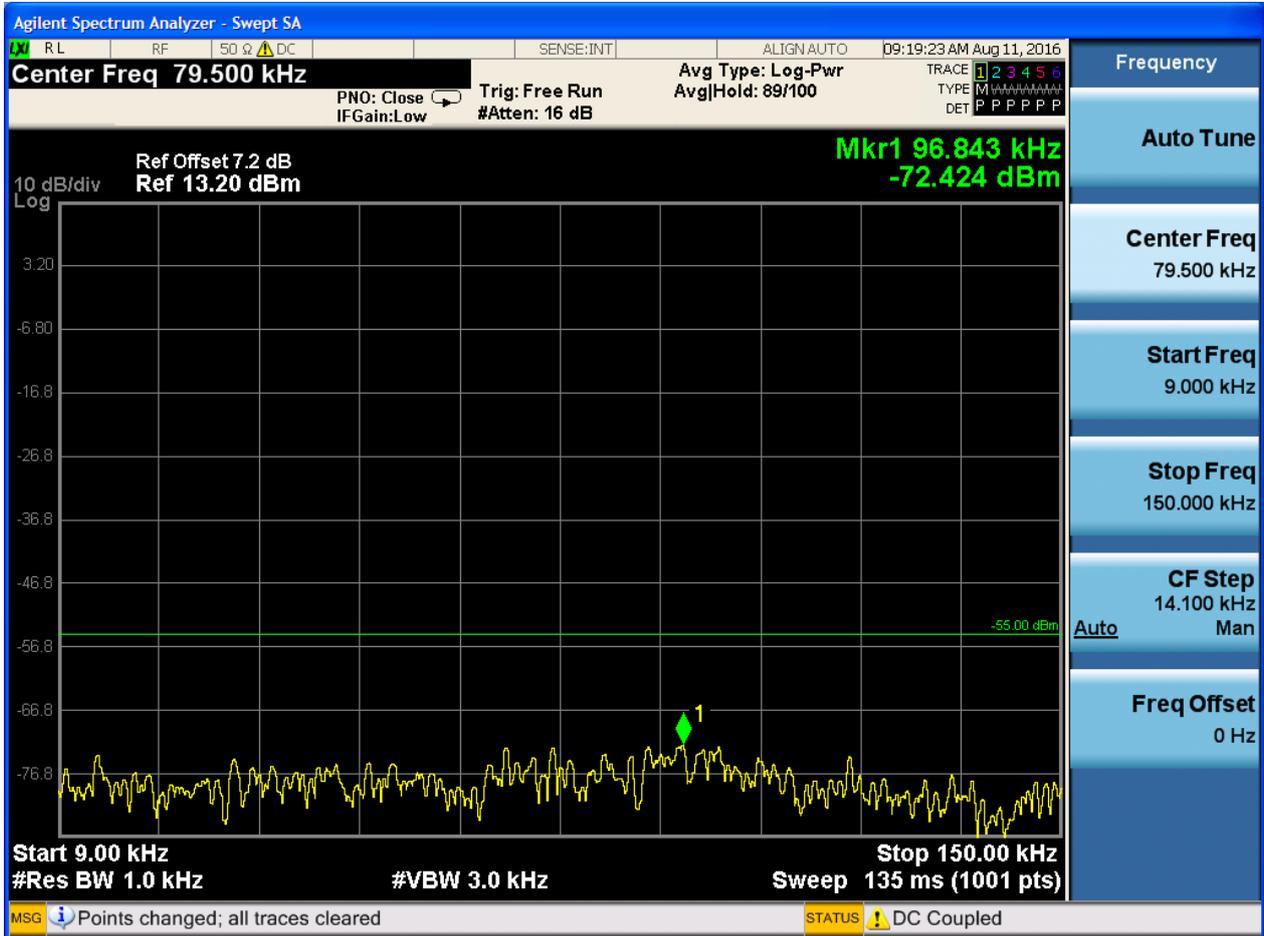




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0











7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

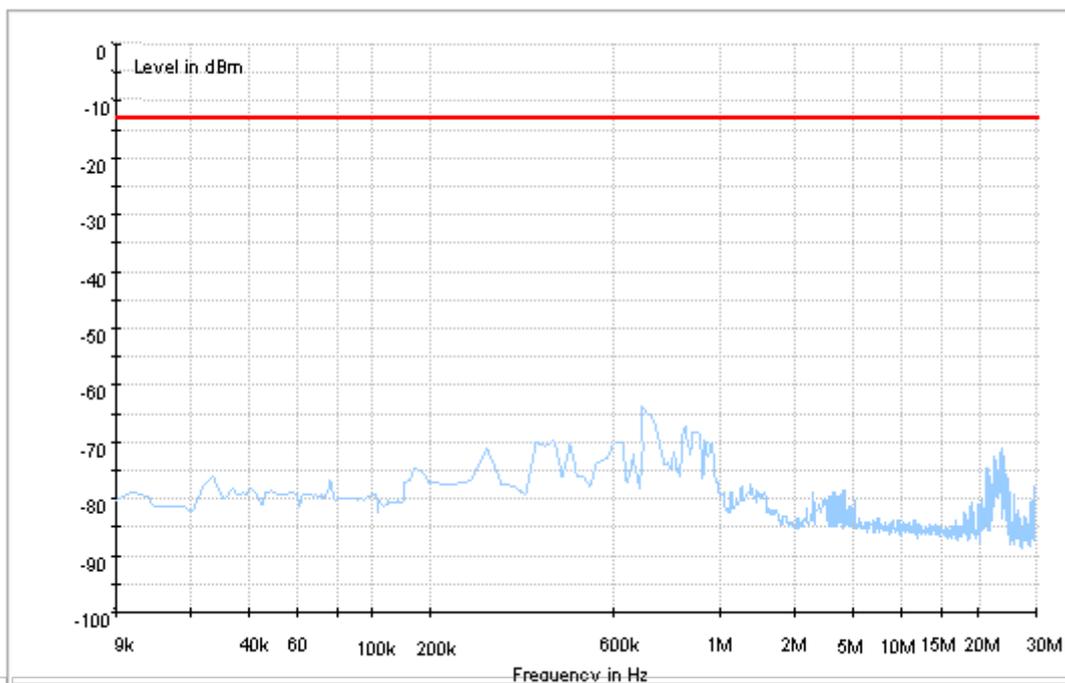
150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

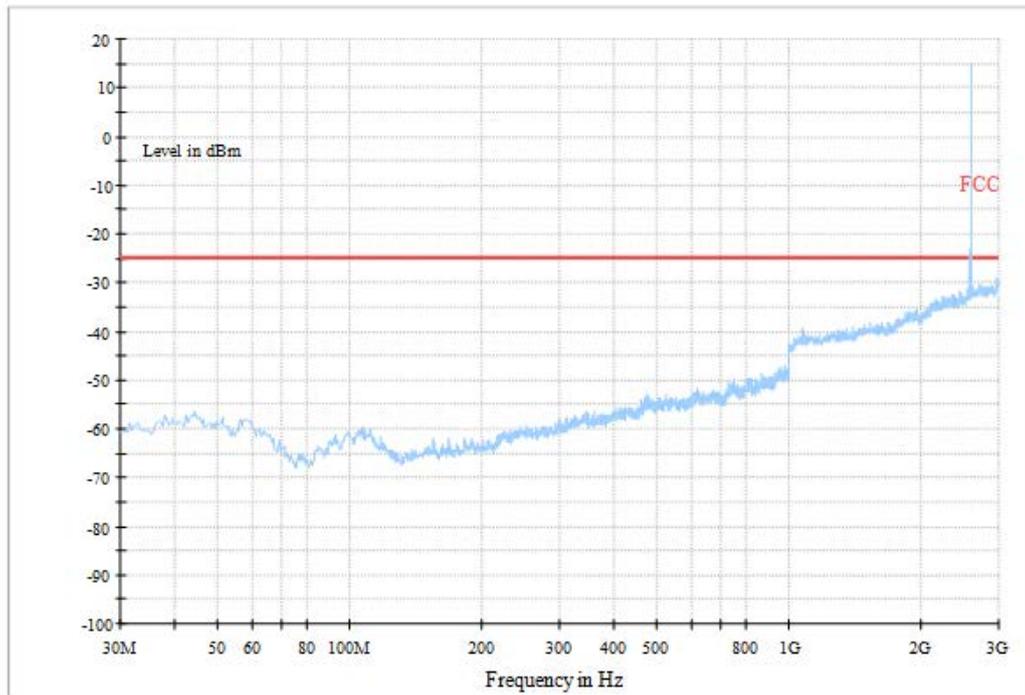
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

7.1.1 Test Band = BAND38_Ant1

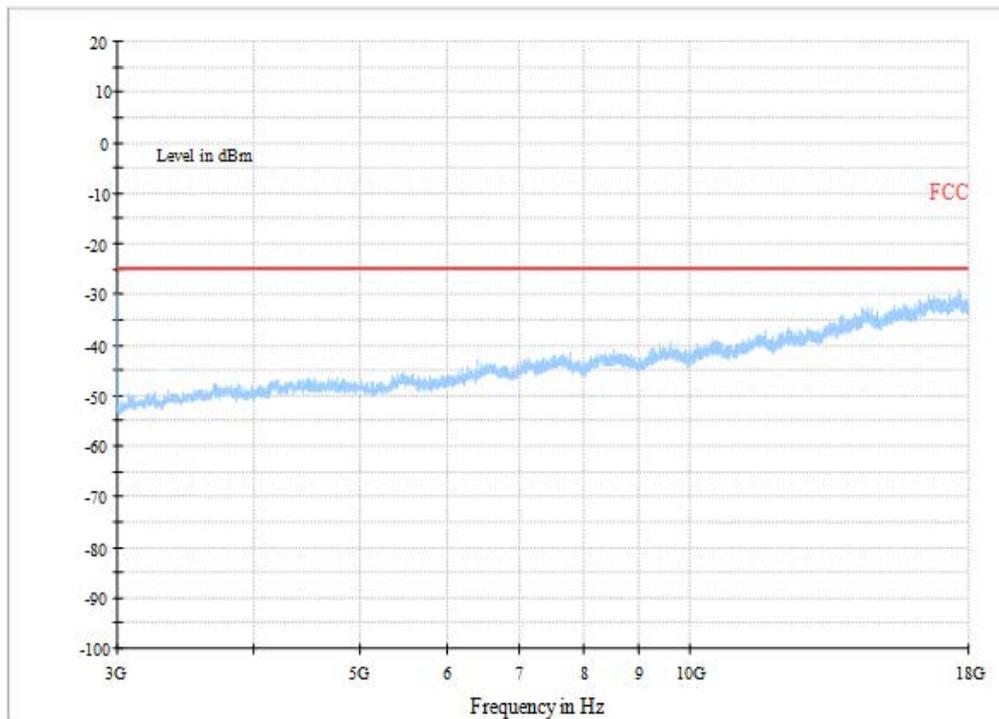
7.1.1.1 Test Bandwidth = 5

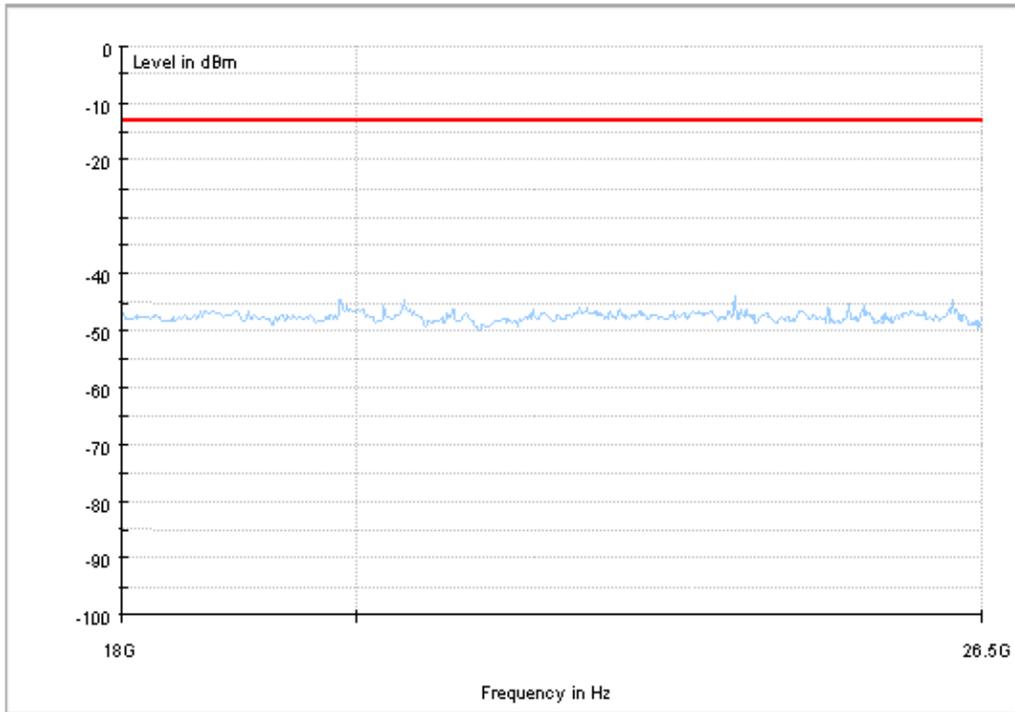


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

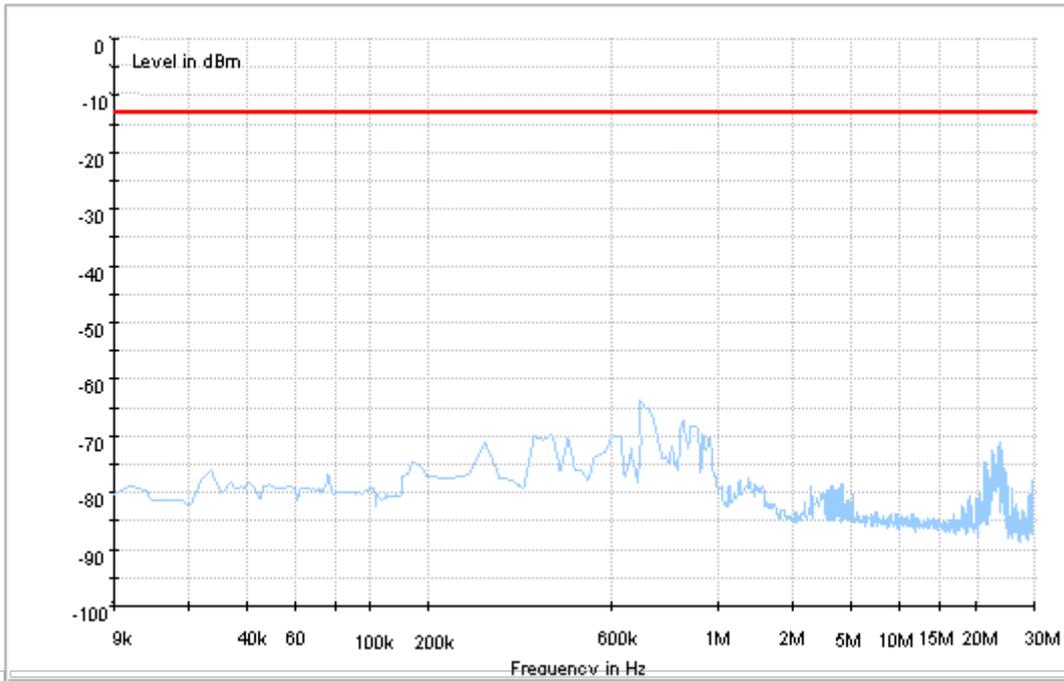


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

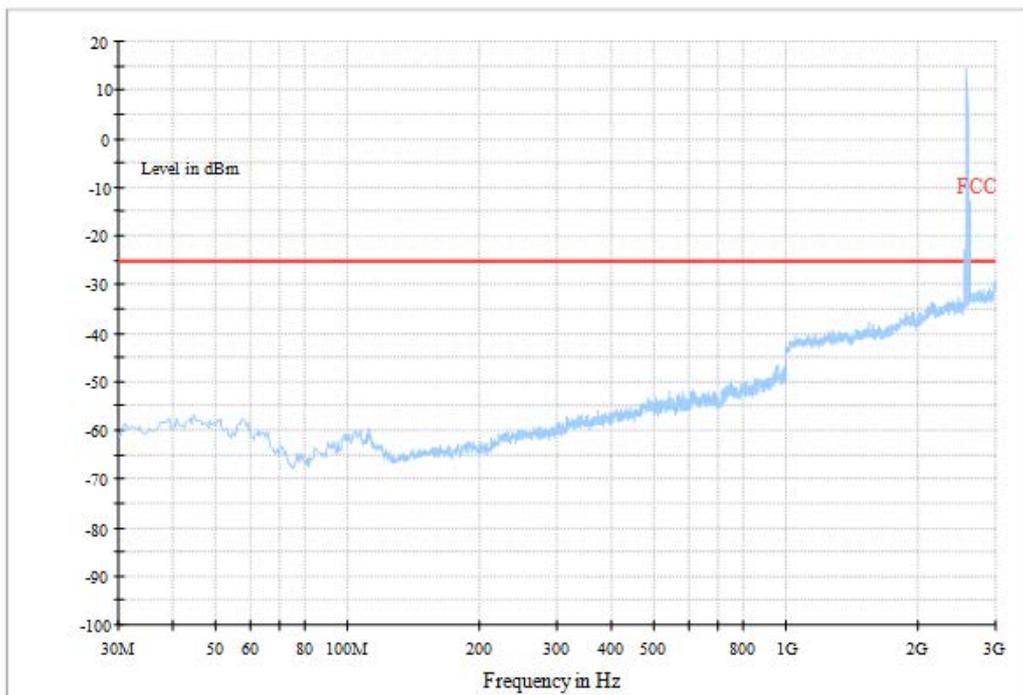




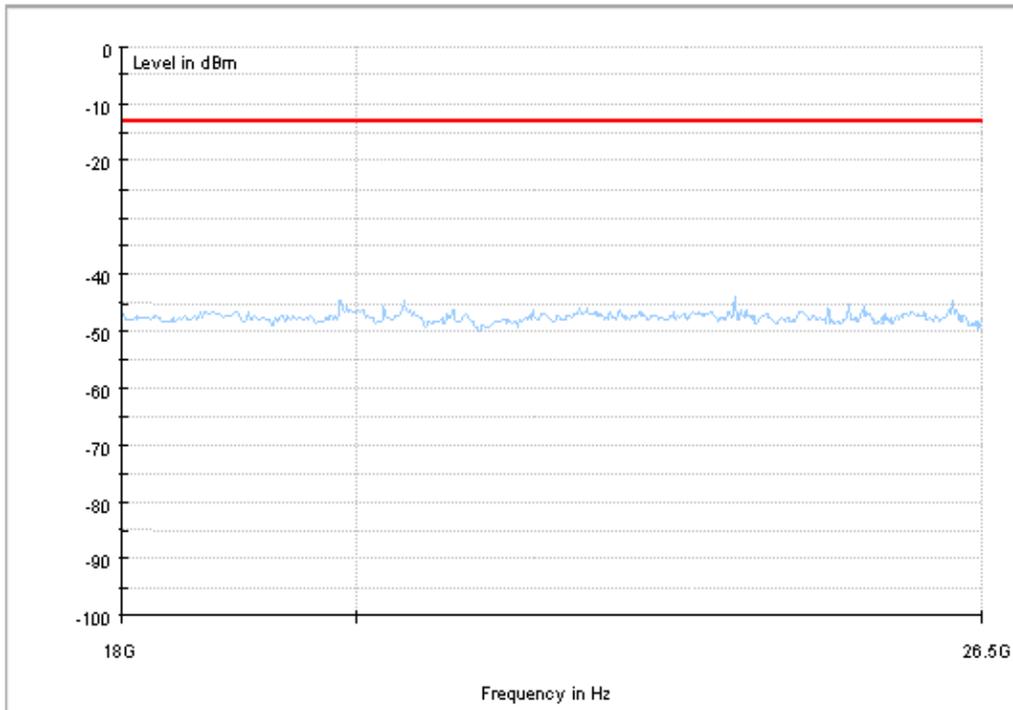
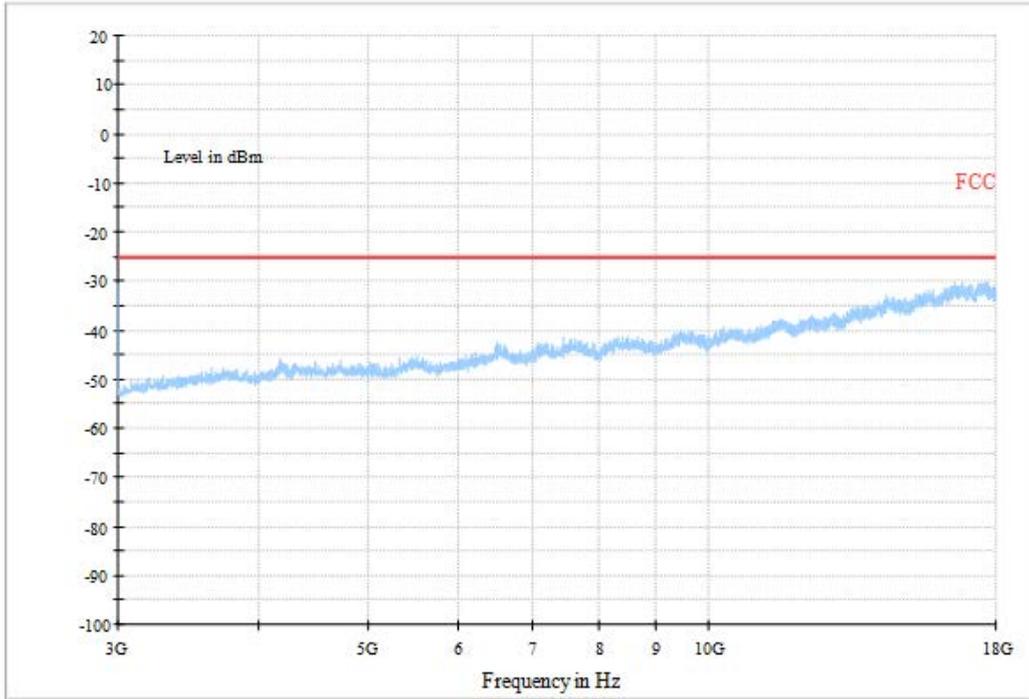
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_I

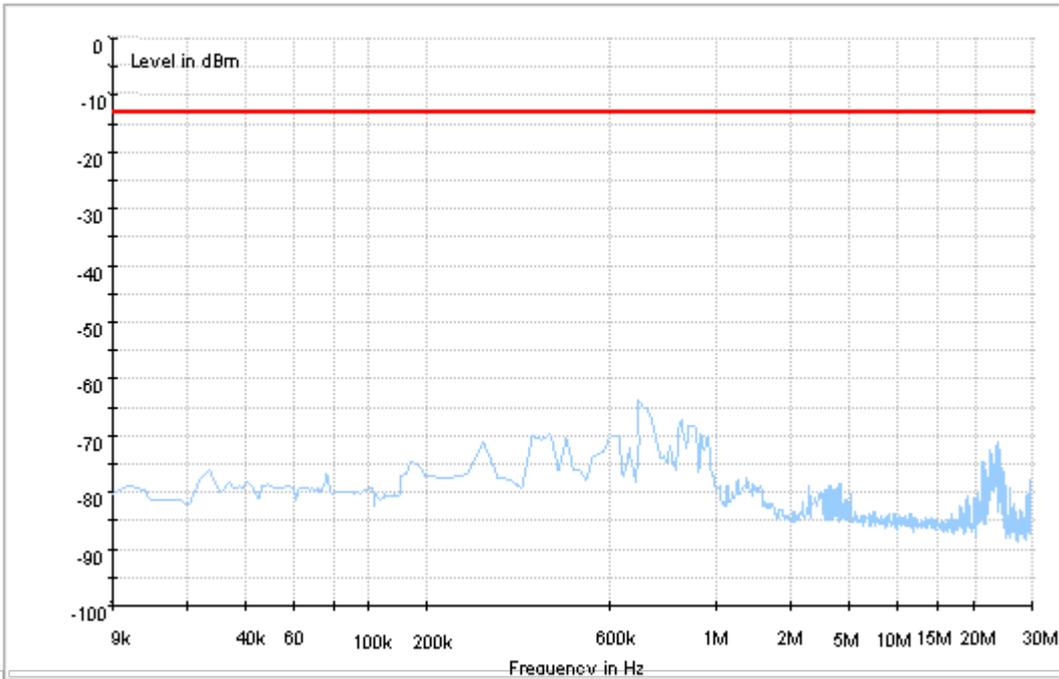


Copy of RSE-TX-DIRECTOR.ABOVE 1.5G_H

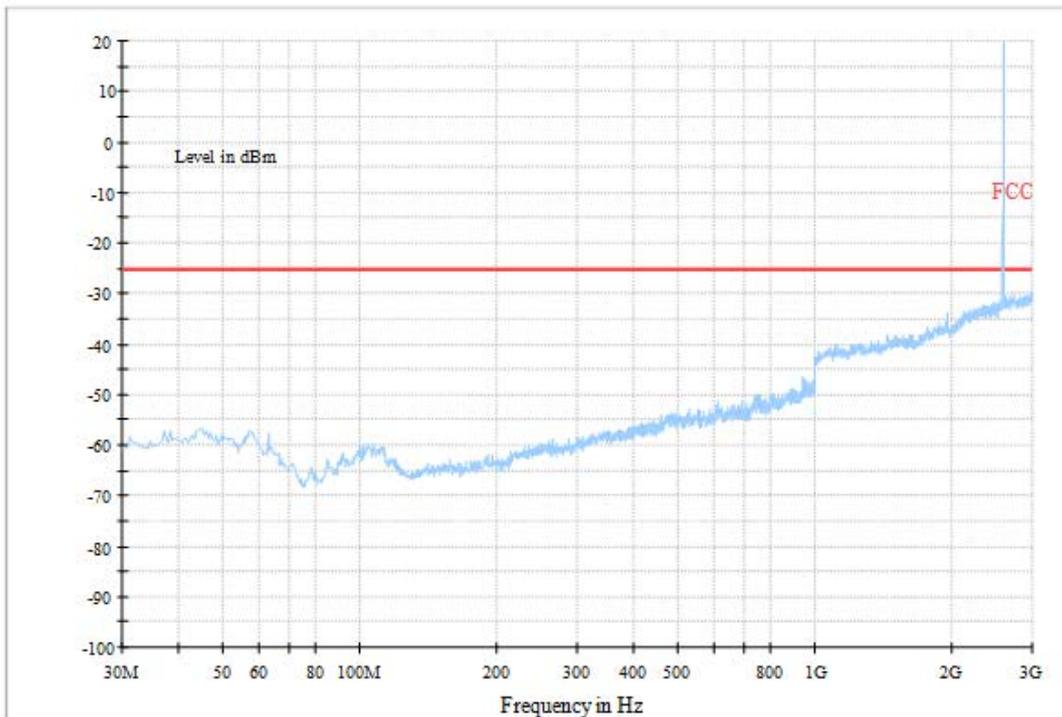


7.1.2 Test Band = BAND38_Ant1

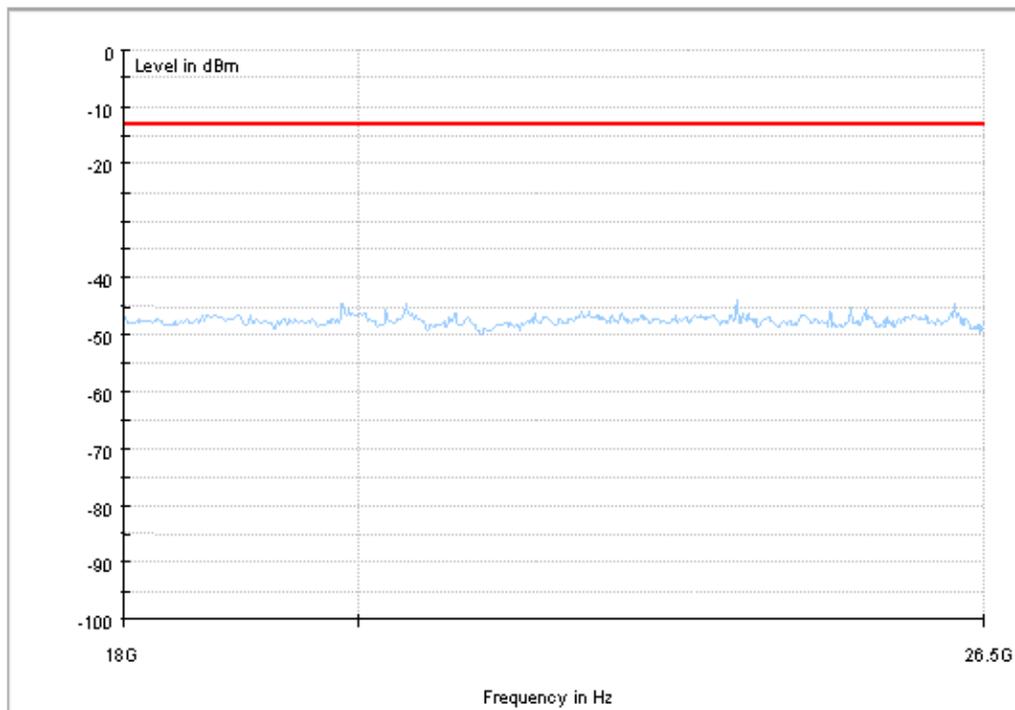
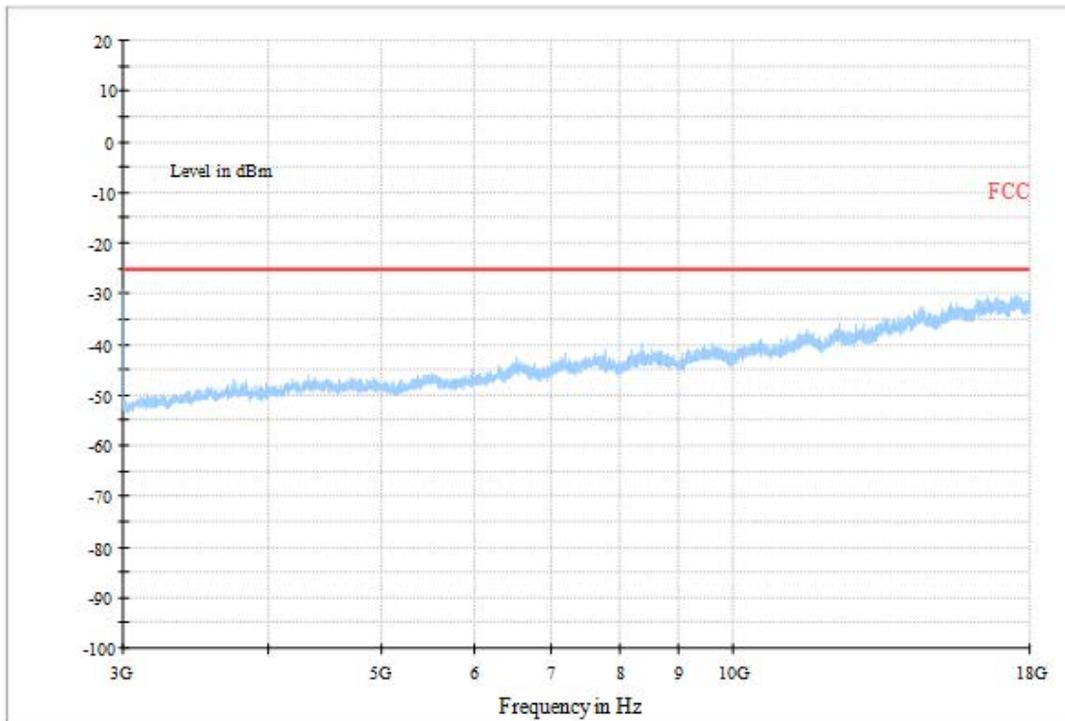
7.1.2.1 Test Bandwidth = 5



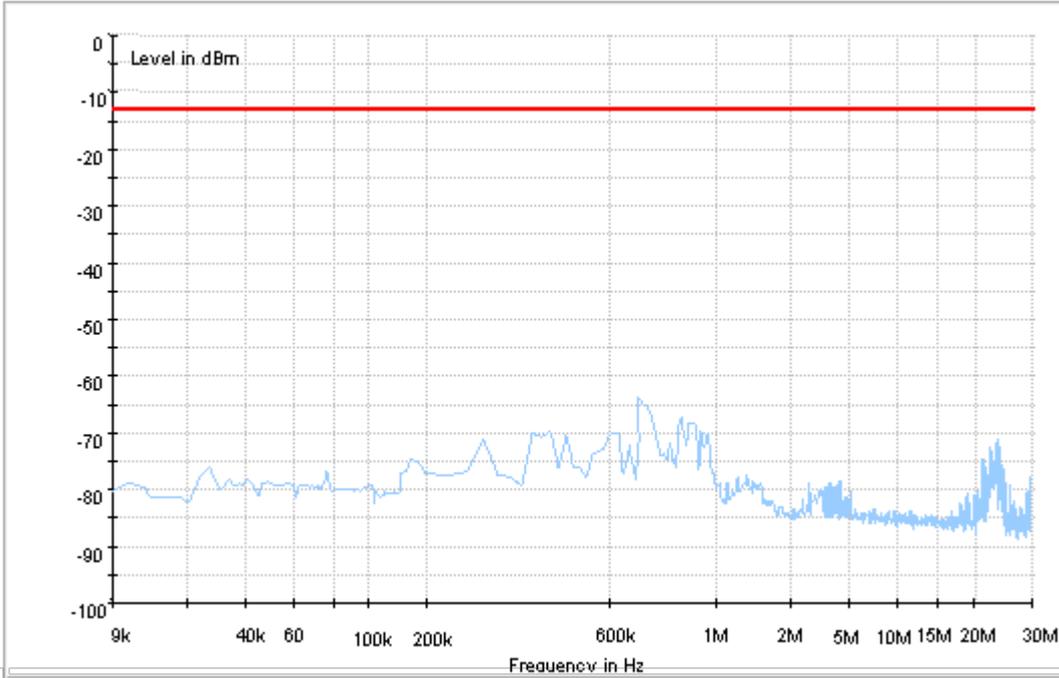
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_I



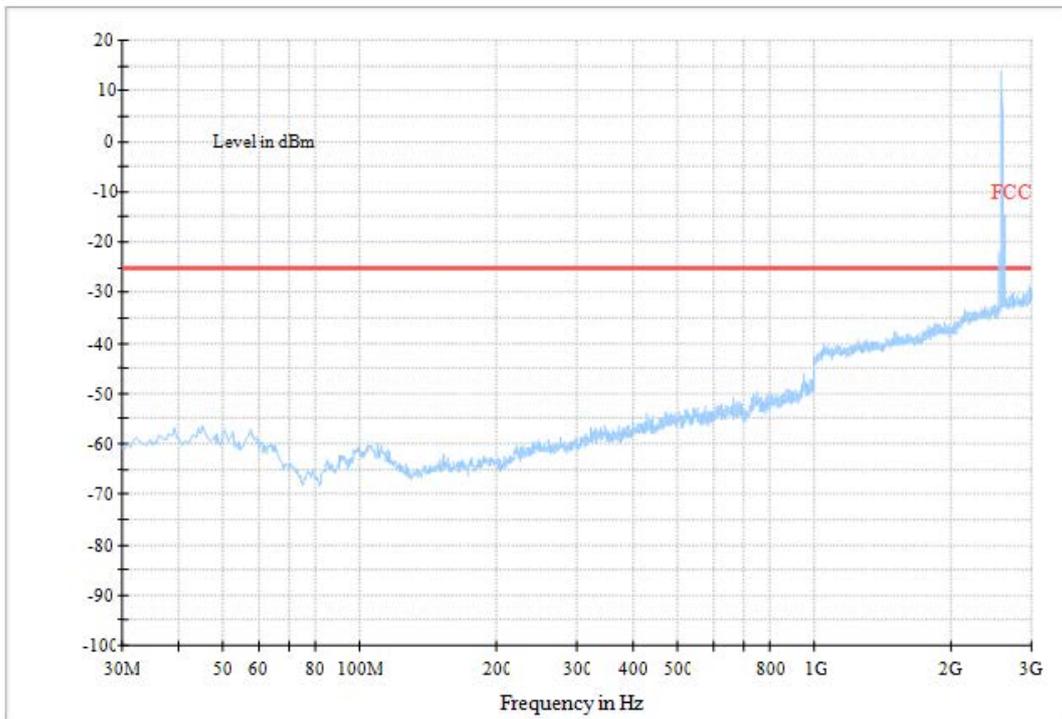
Copy of RSE-TX-DIRECTOR.ABOVE 1.5G_H



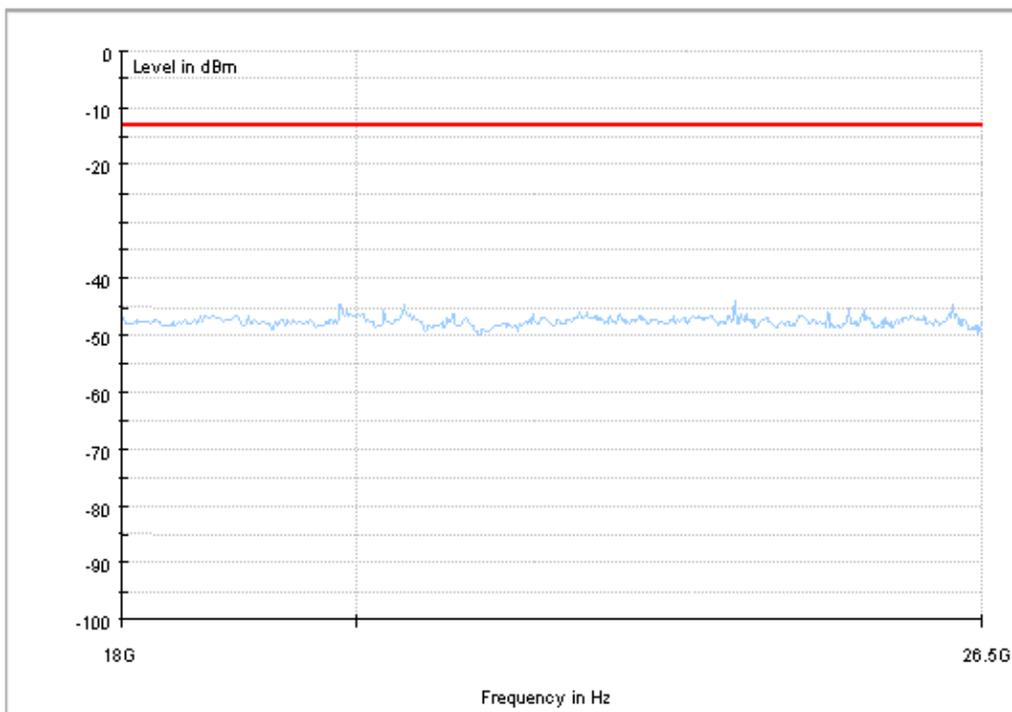
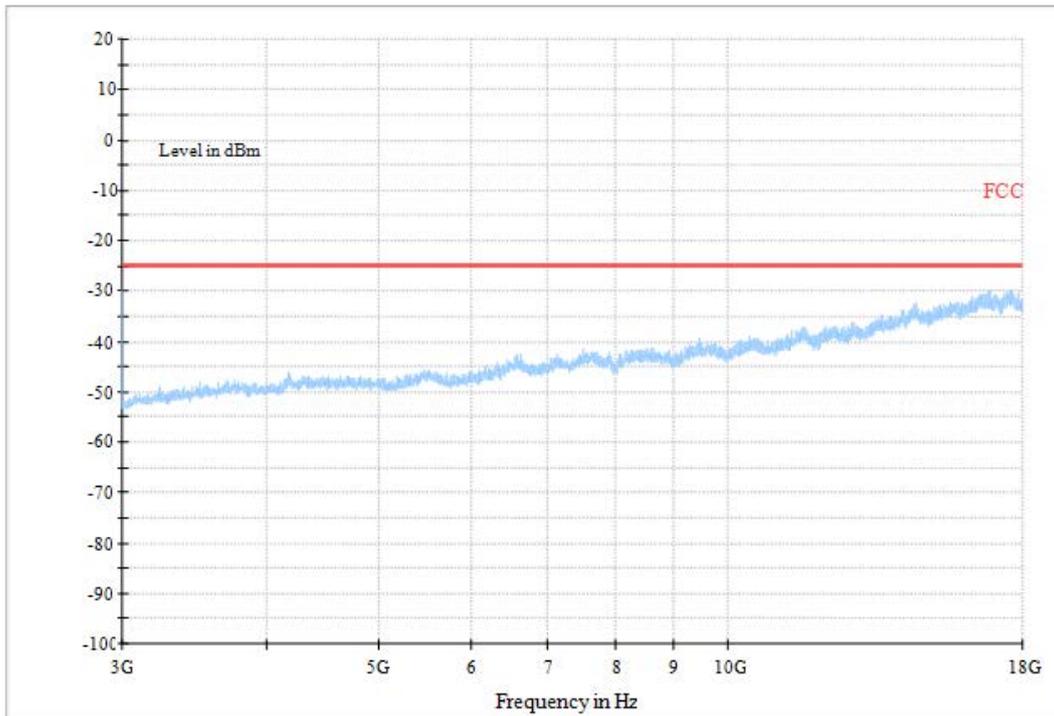
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_I



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
BAND38	LTE/TM1	5	LCH	TN	VL	-4.25	-0.00165	PASS
					VN	-6.78	-0.00264	PASS
					VH	-1.92	-0.00075	PASS
			MCH	TN	VL	-6.05	-0.00233	PASS
					VN	-5.54	-0.00213	PASS
					VH	-8.20	-0.00316	PASS
			HCH	TN	VL	-2.83	-0.00108	PASS
					VN	-2.90	-0.00111	PASS
					VH	-6.67	-0.00255	PASS
		10	LCH	TN	VL	1.22	0.00047	PASS
					VN	2.15	0.00083	PASS
					VH	0.89	0.00035	PASS
			MCH	TN	VL	-7.75	-0.00299	PASS
					VN	-8.74	-0.00337	PASS
					VH	-9.47	-0.00365	PASS
			HCH	TN	VL	-6.87	-0.00263	PASS
					VN	-5.68	-0.00217	PASS
					VH	-6.42	-0.00246	PASS
		15	LCH	TN	VL	-7.44	-0.00289	PASS
					VN	1.20	0.00047	PASS
					VH	-5.87	-0.00228	PASS
			MCH	TN	VL	-2.56	-0.00099	PASS
					VN	-4.25	-0.00164	PASS
					VH	-4.33	-0.00167	PASS
			HCH	TN	VL	-2.90	-0.00111	PASS
					VN	-4.92	-0.00188	PASS
					VH	-3.55	-0.00136	PASS
		20	LCH	TN	VL	-6.31	-0.00245	PASS
					VN	-4.39	-0.0017	PASS
					VH	-5.64	-0.00219	PASS
			MCH	TN	VL	-1.83	-0.00071	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	-2.30	-0.00089	PASS
					VH	-1.73	-0.00067	PASS
					VL	1.29	0.00049	PASS
			VN	-7.01	-0.00269	PASS		
			VH	-4.71	-0.0018	PASS		
			VL	-0.03	-0.00001	PASS		
		5	LCH	TN	VN	-5.79	-0.00225	PASS
					VH	-5.12	-0.00199	PASS
					VL	-2.33	-0.0009	PASS
			MCH	TN	VN	-2.35	-0.00091	PASS
					VH	-2.70	-0.00104	PASS
					VL	-11.66	-0.00445	PASS
	10	HCH	TN	VN	0.43	0.00016	PASS	
				VH	-3.43	-0.00131	PASS	
				VL	-2.16	-0.00084	PASS	
		LCH	TN	VN	-2.27	-0.00088	PASS	
				VH	-2.45	-0.00095	PASS	
				VL	17.47	0.00673	PASS	
	15	MCH	TN	VN	24.26	0.00935	PASS	
				VH	-9.24	-0.00356	PASS	
				VL	0.23	0.00009	PASS	
		HCH	TN	VN	-0.13	-0.00005	PASS	
				VH	2.35	0.0009	PASS	
				VL	-0.80	-0.00031	PASS	
	LTE/TM2	20	LCH	TN	VN	-1.79	-0.00069	PASS
					VH	0.20	0.00008	PASS
					VL	2.53	0.00097	PASS
			MCH	TN	VN	-4.08	-0.00157	PASS
					VH	-1.40	-0.00054	PASS
					VL	-0.49	-0.00019	PASS
		20	HCH	TN	VN	0.39	0.00015	PASS
					VH	-2.17	-0.00083	PASS
					VL	-2.70	-0.00105	PASS
			LCH	TN	VN	-1.85	-0.00072	PASS
					VH	0.64	0.00025	PASS
					VL	0.29	0.00011	PASS
	MCH	TN	VN	-3.10	-0.00119	PASS		
			VH	-5.01	-0.00193	PASS		
			VL	-3.52	-0.00135	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-4.22	-0.00162	PASS
					VH	-1.36	-0.00052	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
BAND38	LTE/TM1	5	LCH	VN	-30	-17.36	-0.00722	PASS
					-20	-12.05	-0.00516	PASS
					-10	-3.81	-0.00195	PASS
					0	-5.83	-0.00274	PASS
					10	-10.49	-0.00455	PASS
					20	-4.7	-0.0023	PASS
					30	-3.2	-0.00172	PASS
			40	-7.96	-0.00357	PASS		
			50	-7.88	-0.00353	PASS		
			MCH	VN	-30	-1.8	-0.00117	PASS
					-20	-2.74	-0.00153	PASS
					-10	-2.27	-0.00135	PASS
					0	-4.84	-0.00234	PASS
					10	-4.56	-0.00223	PASS
		20			32.09	0.01189	PASS	
		30			-3.96	-0.002	PASS	
		40	-12.81	-0.00541	PASS			
		50	-30.74	-0.01232	PASS			
		HCH	VN	-30	-1.07	-0.00088	PASS	
				-20	-2.74	-0.00152	PASS	
				-10	-2.33	-0.00136	PASS	
				0	-2.33	-0.00136	PASS	
				10	-2.55	-0.00145	PASS	
				20	-2.96	-0.0016	PASS	
				30	-3.27	-0.00172	PASS	
		40	-2.85	-0.00156	PASS			
		50	-3.04	-0.00163	PASS			
		10	LCH	VN	-30	-2.61	-0.00148	PASS
-20	-5.73				-0.0027	PASS		
-10	-10.08				-0.00439	PASS		
0	-15.07				-0.00632	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-1.41	-0.00102	PASS
					20	-10.79	-0.00466	PASS
					30	-5.26	-0.00251	PASS
					40	-3.21	-0.00172	PASS
					50	-8.43	-0.00375	PASS
			MCH	VN	-30	5.67	0.00171	PASS
					-20	0.88	-0.00013	PASS
					-10	1.44	0.00008	PASS
					0	-7.05	-0.00319	PASS
					10	-1.32	-0.00098	PASS
					20	5.24	0.00155	PASS
					30	-13.05	-0.0055	PASS
					40	-4.53	-0.00222	PASS
			HCH	VN	50	3.67	0.00094	PASS
					-30	-1.51	-0.00105	PASS
					-20	-2.11	-0.00128	PASS
					-10	-2.35	-0.00137	PASS
					0	-2.51	-0.00143	PASS
					10	-2.27	-0.00134	PASS
					20	-1.34	-0.00099	PASS
					30	-2.71	-0.00151	PASS
		15	LCH	VN	40	-1.14	-0.00091	PASS
					50	-1.94	-0.00121	PASS
					-30	-5.34	-0.00254	PASS
					-20	-1.27	-0.00096	PASS
					-10	-11.55	-0.00495	PASS
					0	-2.84	-0.00157	PASS
			MCH	VN	10	-4.5	-0.00222	PASS
					20	-4.07	-0.00205	PASS
					30	-0.75	-0.00076	PASS
					40	-11.6	-0.00497	PASS
					50	-3.03	-0.00165	PASS
					-30	-1.85	-0.00119	PASS
					-20	-5.69	-0.00266	PASS
					-10	6.26	0.00194	PASS
					0	4.68	0.00133	PASS
					10	5.33	0.00158	PASS
					20	-3.41	-0.00179	PASS
					30	2.84	0.00062	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	0.71	-0.0002	PASS	
					50	-1.72	-0.00113	PASS	
			HCH	VN	-30	-2.43	-0.0014	PASS	
					-20	-2.3	-0.00135	PASS	
					-10	-2.54	-0.00145	PASS	
					0	-3.94	-0.00198	PASS	
					10	-2.83	-0.00156	PASS	
					20	-2.3	-0.00135	PASS	
					30	-3.99	-0.002	PASS	
					40	-3.61	-0.00185	PASS	
					50	-2.1	-0.00128	PASS	
					LCH	VN	-30	-6.12	-0.00284
			-20	-25.44			-0.01033	PASS	
			-10	-152.01			-0.05939	PASS	
			0	-117.25			-0.04592	PASS	
		10	-94.84	-0.03723			PASS		
		20	-120.89	-0.04733			PASS		
		30	-42.07	-0.01678			PASS		
		40	-74.75	-0.02944			PASS		
		50	-81.33	-0.03199			PASS		
		MCH	VN	-30	2.31	0.00042	PASS		
				-20	-24.73	-0.01	PASS		
				-10	-18.22	-0.00749	PASS		
				0	-5.86	-0.00273	PASS		
				10	-12.8	-0.0054	PASS		
				20	-6.77	-0.00308	PASS		
				30	1.01	-0.00008	PASS		
				40	-3.01	-0.00163	PASS		
		HCH	VN	50	-13.61	-0.00572	PASS		
				-30	-2.74	-0.00152	PASS		
				-20	-2.37	-0.00138	PASS		
				-10	-1.27	-0.00096	PASS		
				0	-2.5	-0.00143	PASS		
				10	-1.77	-0.00115	PASS		
				20	-2.97	-0.00161	PASS		
				30	-2.1	-0.00128	PASS		
		40	-1.81	-0.00117	PASS				
		50	-3.28	-0.00173	PASS				
		LTE/TM2	5	LCH	VN	-30	-8.65	-0.00383	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-5.59	-0.00264	PASS	
					-10	-13.11	-0.00557	PASS	
					0	4.03	0.0011	PASS	
					10	-10.99	-0.00474	PASS	
					20	0.38	-0.00032	PASS	
					30	-9.34	-0.0041	PASS	
					40	1.51	0.00012	PASS	
					50	-4.89	-0.00237	PASS	
			MCH	VN	-30	-4.49	-0.0022	PASS	
					-20	0.86	-0.00014	PASS	
					-10	-6.03	-0.0028	PASS	
					0	-1.94	-0.00122	PASS	
					10	-15.11	-0.00629	PASS	
					20	-13.46	-0.00566	PASS	
					30	3.88	0.00102	PASS	
					40	-16.6	-0.00687	PASS	
			HCH	VN	-30	-3.53	-0.00182	PASS	
					-20	-2.14	-0.00129	PASS	
					-10	-3.76	-0.00191	PASS	
					0	-2.85	-0.00156	PASS	
					10	-1.21	-0.00094	PASS	
					20	-2.67	-0.00149	PASS	
					30	-3.06	-0.00164	PASS	
					40	-2.18	-0.00131	PASS	
			10	LCH	VN	-30	7.53	0.00245	PASS
						-20	-2.27	-0.00135	PASS
						-10	3.55	0.00091	PASS
						0	1.84	0.00024	PASS
		10				-0.24	-0.00056	PASS	
		20				6.76	0.00215	PASS	
		30				-6.1	-0.00284	PASS	
		40				3.77	0.00099	PASS	
		50		7.63	0.00249	PASS			
		MCH		VN	-30	-0.97	-0.00085	PASS	
					-20	-7.19	-0.00324	PASS	
					-10	9.02	0.003	PASS	
			0		-4.94	-0.00238	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	17.24	0.00617	PASS		
					20	-3.38	-0.00177	PASS		
					30	1.38	0.00006	PASS		
					40	-24.98	-0.0101	PASS		
					50	8.2	0.00269	PASS		
			HCH	VN	-30	0.12	-0.00043	PASS		
					-20	-3.5	-0.00181	PASS		
					-10	48.93	0.01824	PASS		
					0	1.08	-0.00006	PASS		
					10	1.04	-0.00008	PASS		
					20	0.46	-0.0003	PASS		
					30	-0.78	-0.00077	PASS		
					40	0.44	-0.0003	PASS		
					50	0.15	-0.00042	PASS		
					LCH	VN	-30	-11.32	-0.00486	PASS
		-20	-5.27	-0.00252			PASS			
		-10	-11.29	-0.00485			PASS			
		0	-4.14	-0.00208			PASS			
		10	-9.12	-0.00401			PASS			
		20	-4.21	-0.0021			PASS			
		30	-1.84	-0.00119			PASS			
		40	-8.61	-0.00381			PASS			
		MCH	VN	-30	-2.25	-0.00134	PASS			
				-20	-1.14	-0.00091	PASS			
				-10	9.89	0.00334	PASS			
				0	10.65	0.00363	PASS			
				10	-3.06	-0.00165	PASS			
				20	18.76	0.00676	PASS			
				30	-9.68	-0.0042	PASS			
				40	0.15	-0.00041	PASS			
				50	-3.4	-0.00178	PASS			
		HCH	VN	-30	-1.47	-0.00104	PASS			
				-20	-0.42	-0.00063	PASS			
-10	17.54			0.00624	PASS					
0	-0.74			-0.00076	PASS					
10	-1.44			-0.00102	PASS					
20	-0.38			-0.00062	PASS					
30	0.56			-0.00026	PASS					
15					-30	-11.32	-0.00486	PASS		
					-20	-5.27	-0.00252	PASS		
					-10	-11.29	-0.00485	PASS		
					0	-4.14	-0.00208	PASS		
					10	-9.12	-0.00401	PASS		
					20	-4.21	-0.0021	PASS		
					30	-1.84	-0.00119	PASS		
					40	-8.61	-0.00381	PASS		
					50	4.93	0.00144	PASS		
							-30	-2.25	-0.00134	PASS
							-20	-1.14	-0.00091	PASS
							-10	9.89	0.00334	PASS
							0	10.65	0.00363	PASS
							10	-3.06	-0.00165	PASS
							20	18.76	0.00676	PASS
							30	-9.68	-0.0042	PASS
							40	0.15	-0.00041	PASS
							50	-3.4	-0.00178	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-93.42	-0.03623	PASS
					50	-4.56	-0.00222	PASS
		20	LCH	VN	-30	-6.46	-0.00298	PASS
					-20	-5.64	-0.00266	PASS
					-10	-31.45	-0.01266	PASS
					0	-16.49	-0.00686	PASS
					10	-5.27	-0.00251	PASS
					20	-2.41	-0.00141	PASS
					30	14.63	0.0052	PASS
					40	20.03	0.00729	PASS
					50	24.14	0.00889	PASS
					MCH	VN	-30	-5.7
			-20	-8.73			-0.00384	PASS
			-10	-5.39			-0.00255	PASS
			0	-16.7			-0.00691	PASS
			10	0.36			-0.00033	PASS
			20	-7.85			-0.0035	PASS
			30	-4			-0.00201	PASS
			40	-8.73			-0.00384	PASS
			HCH	VN	50	-3.73	-0.00191	PASS
					-30	-3.43	-0.00179	PASS
					-20	-5.97	-0.00276	PASS
					-10	-1.88	-0.00119	PASS
					0	-1.2	-0.00093	PASS
					10	-6.46	-0.00295	PASS
					20	-2.58	-0.00146	PASS
		30			-0.09	-0.00051	PASS	
		40	-1.67	-0.00111	PASS			
					50	-2.33	-0.00137	PASS

END