









## 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

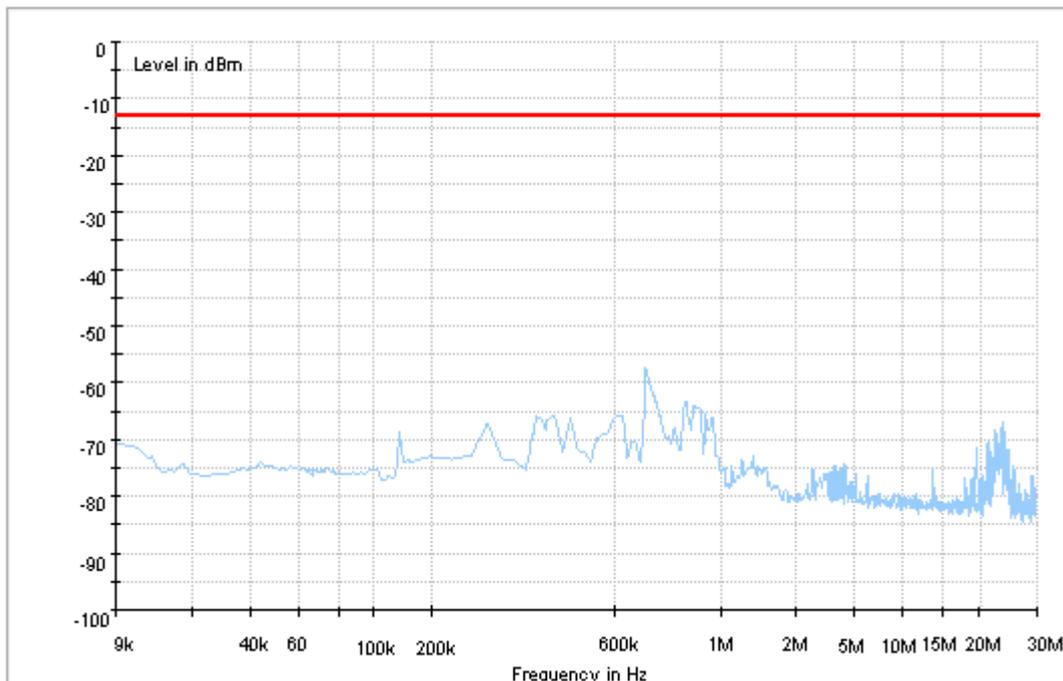
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

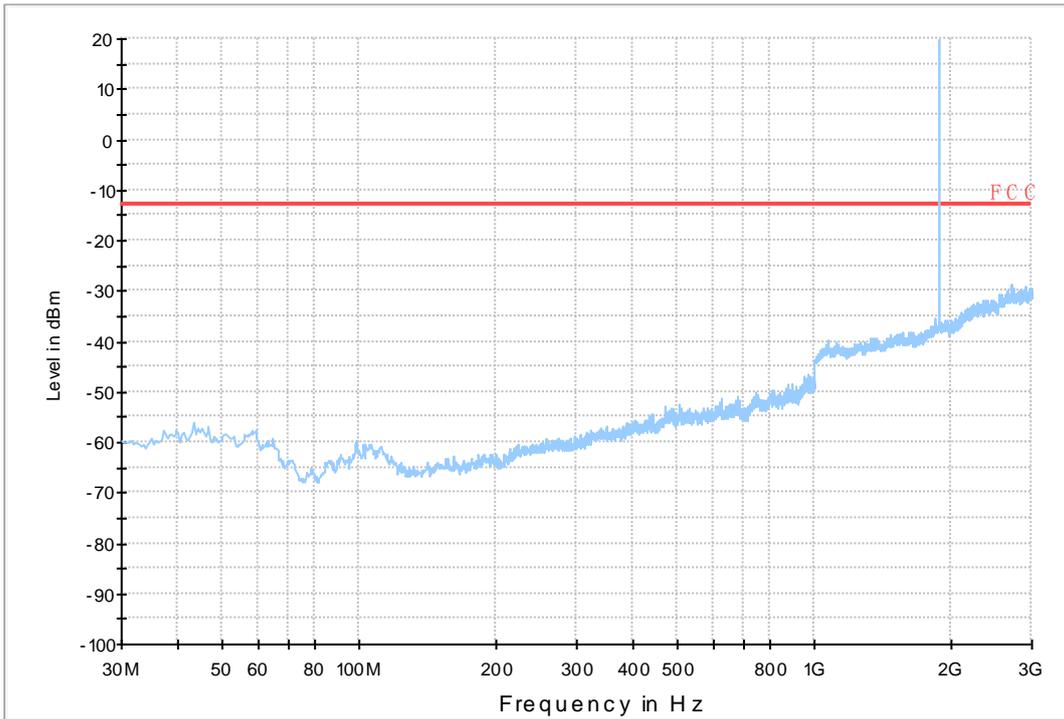
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND2

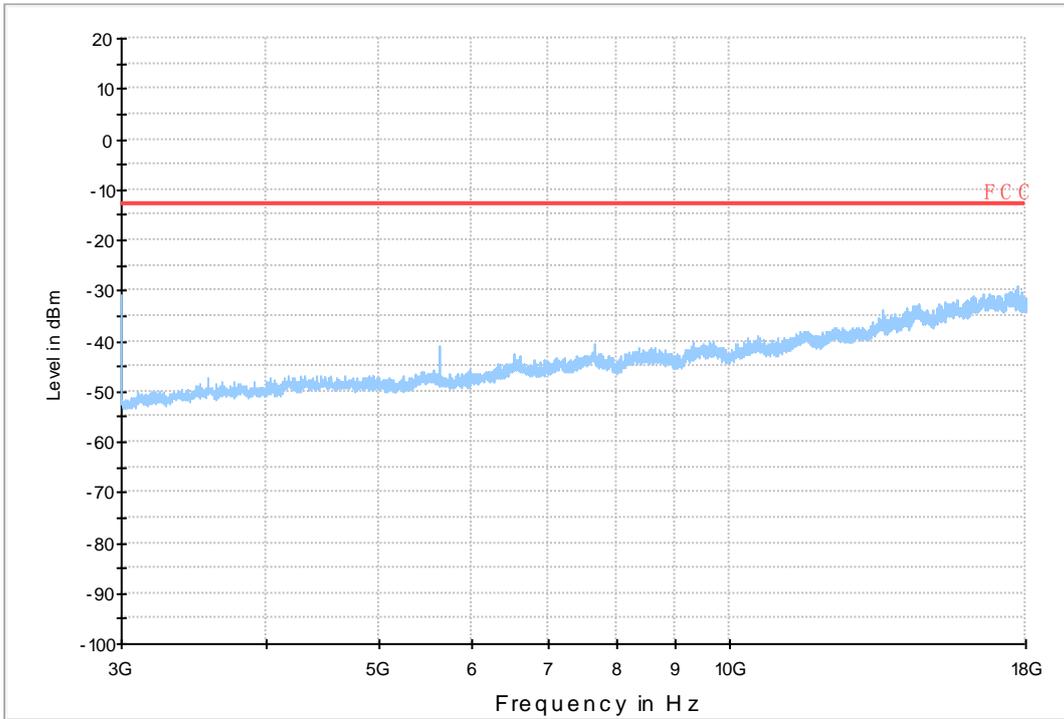
##### 7.1.1.1 Test Bandwidth = 1.4

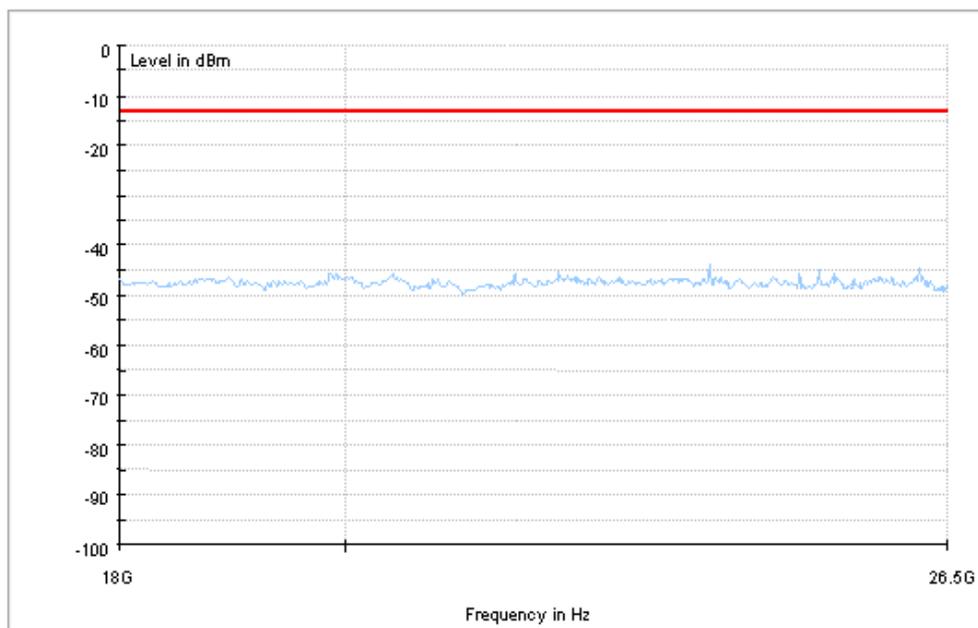


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

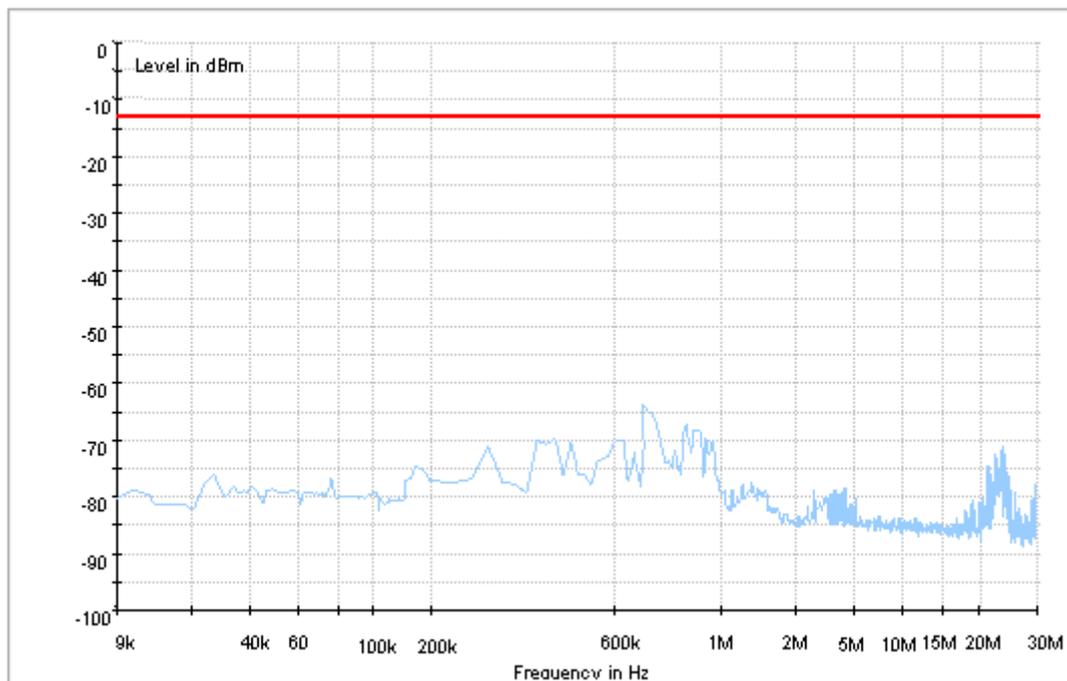


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

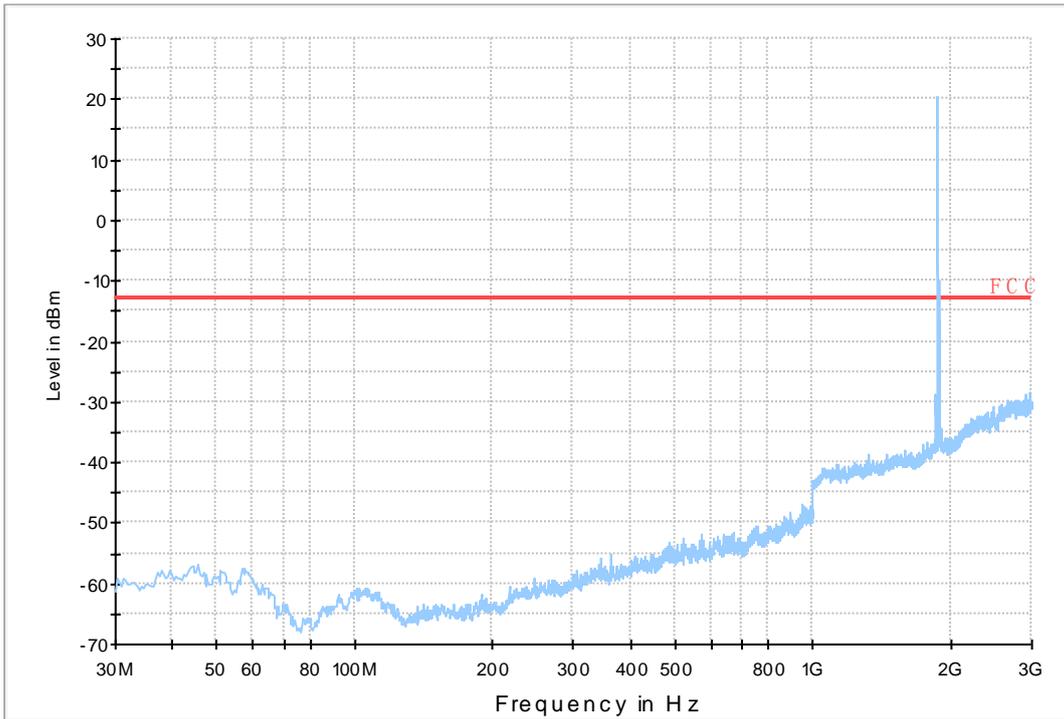




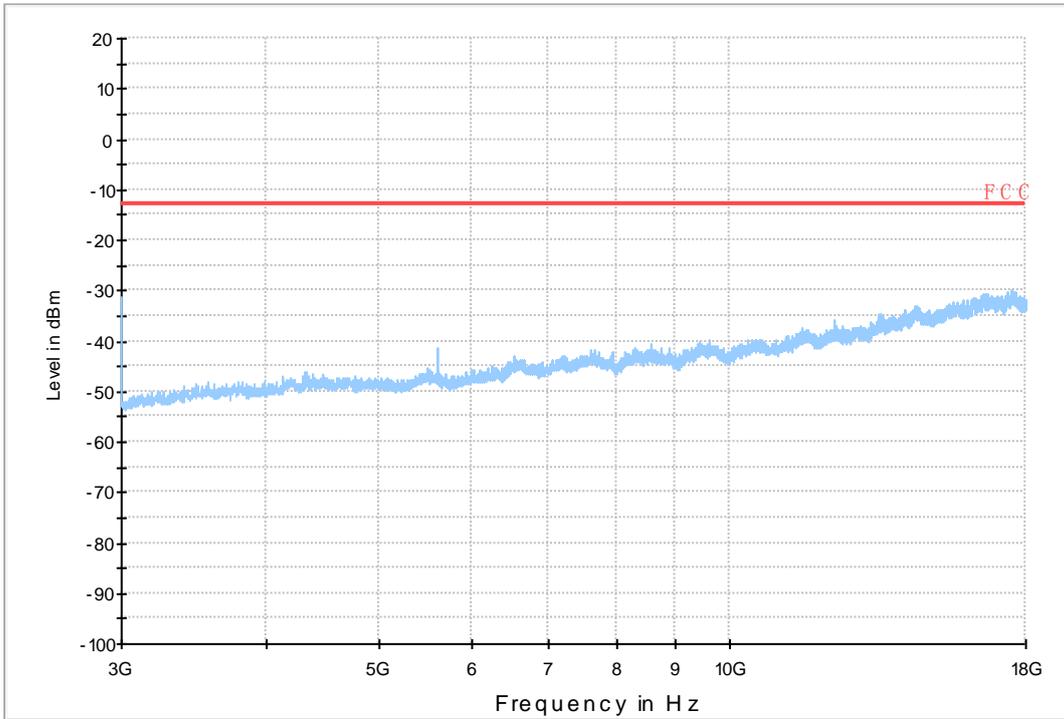
### 7.1.1.3 Test Bandwidth = 20

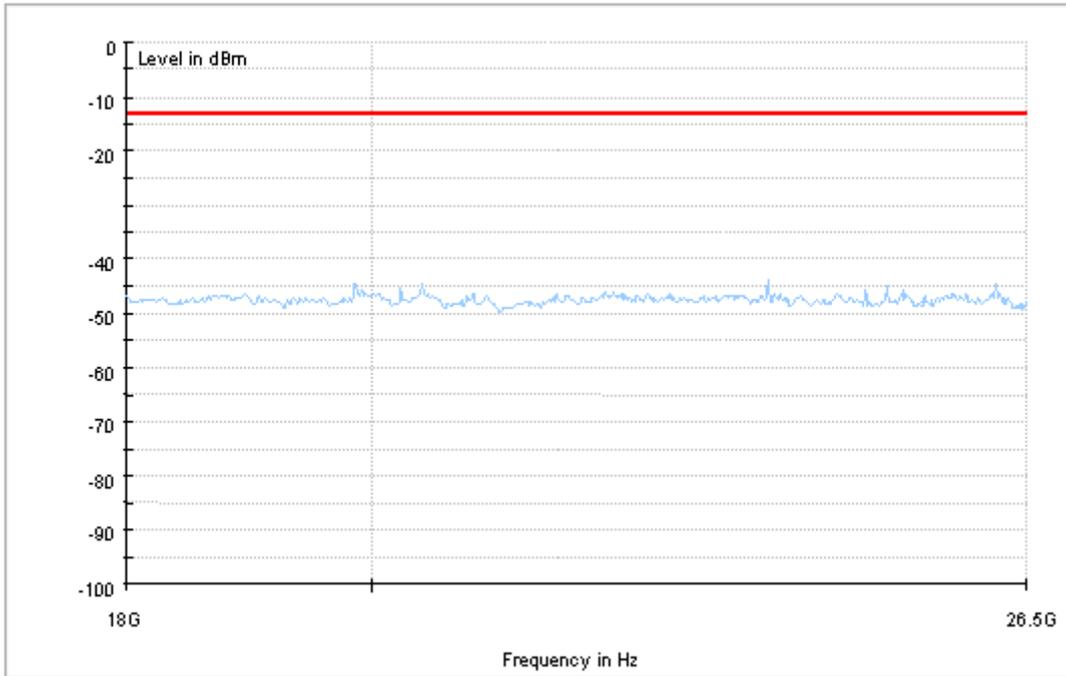


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



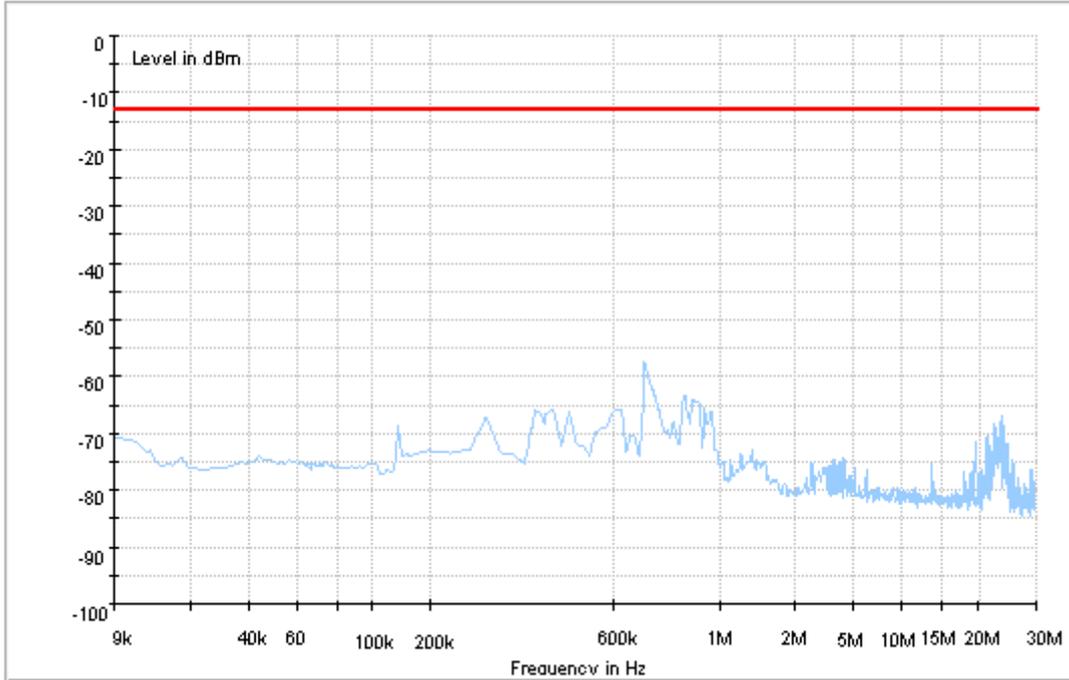
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



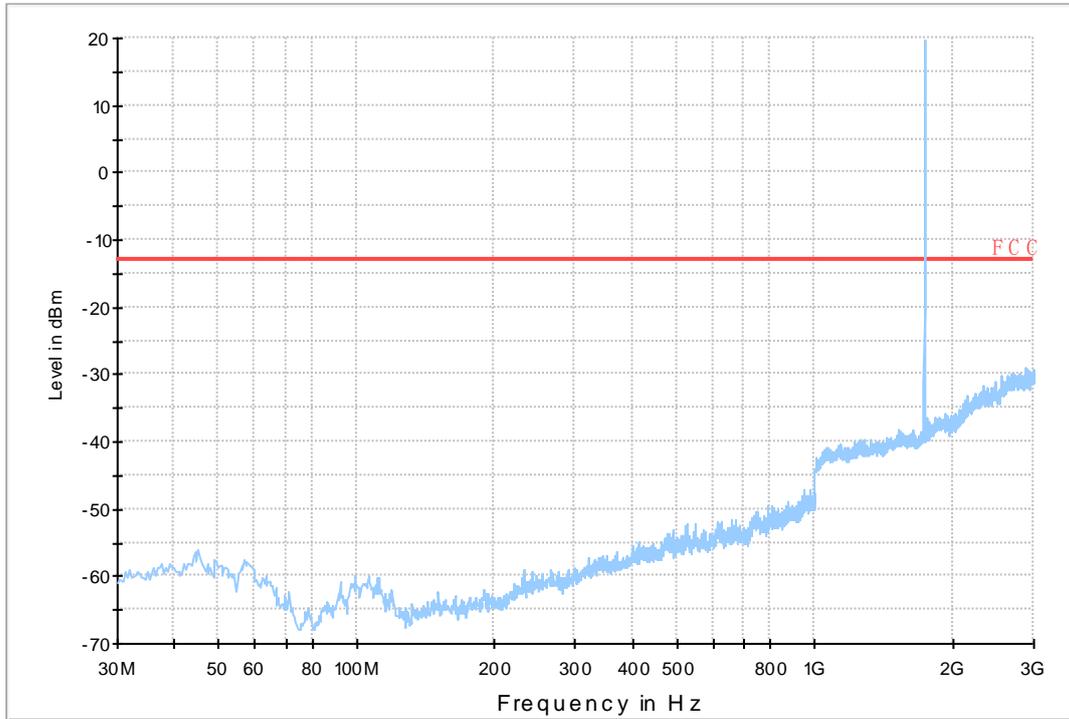


### 7.1.2 Test Band = BAND4

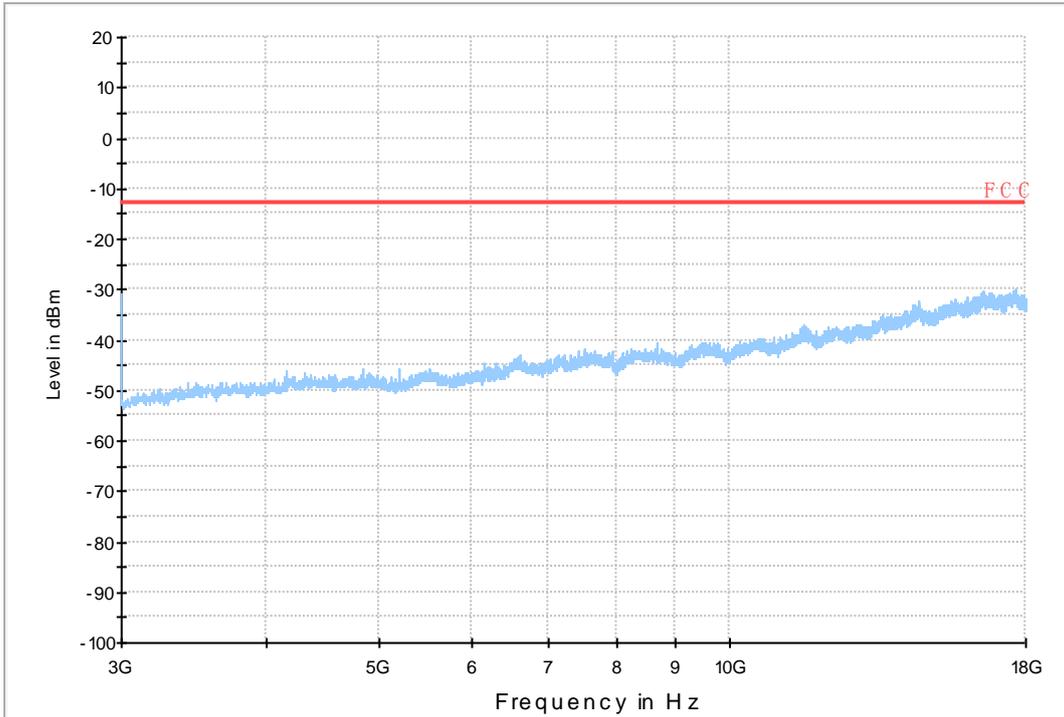
#### 7.1.2.1 Test Bandwidth = 1.4



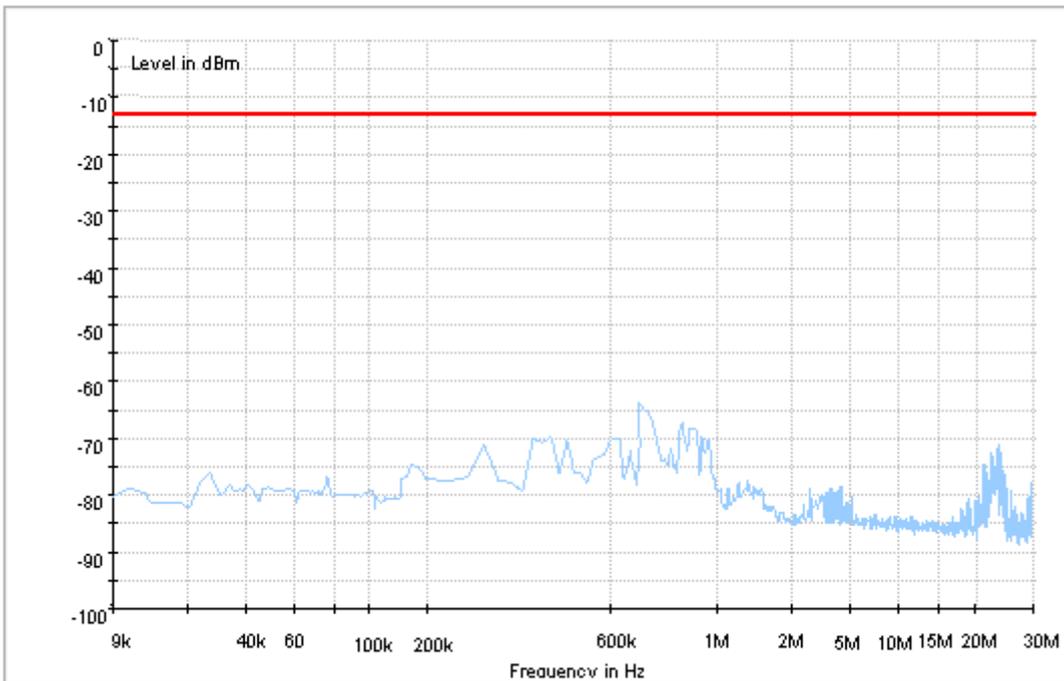
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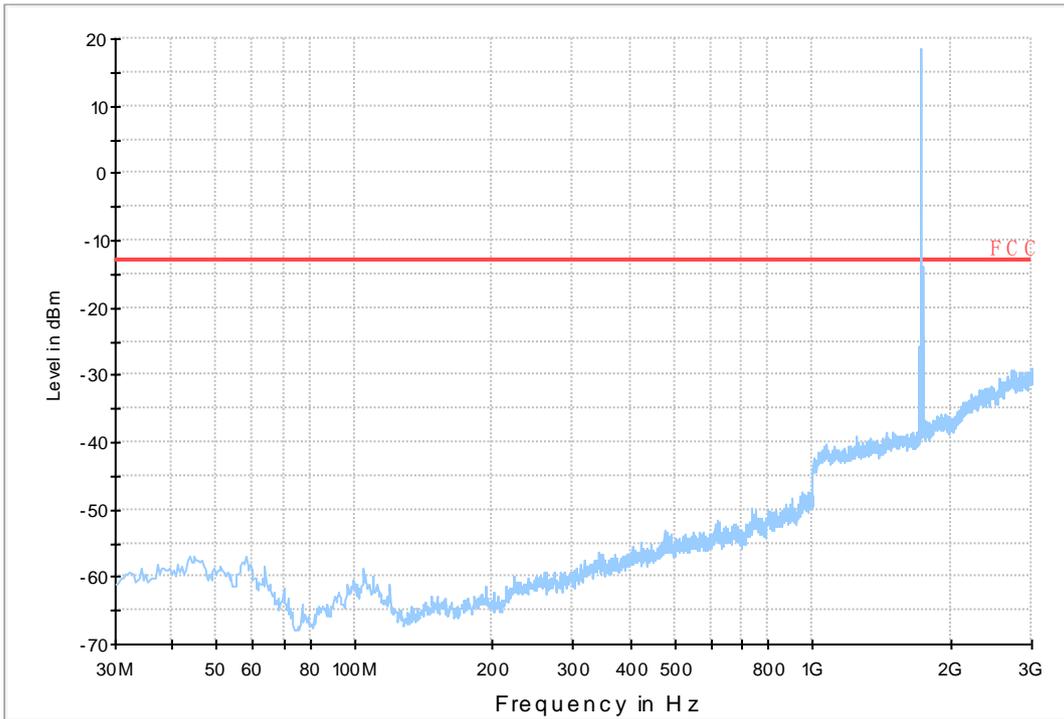
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



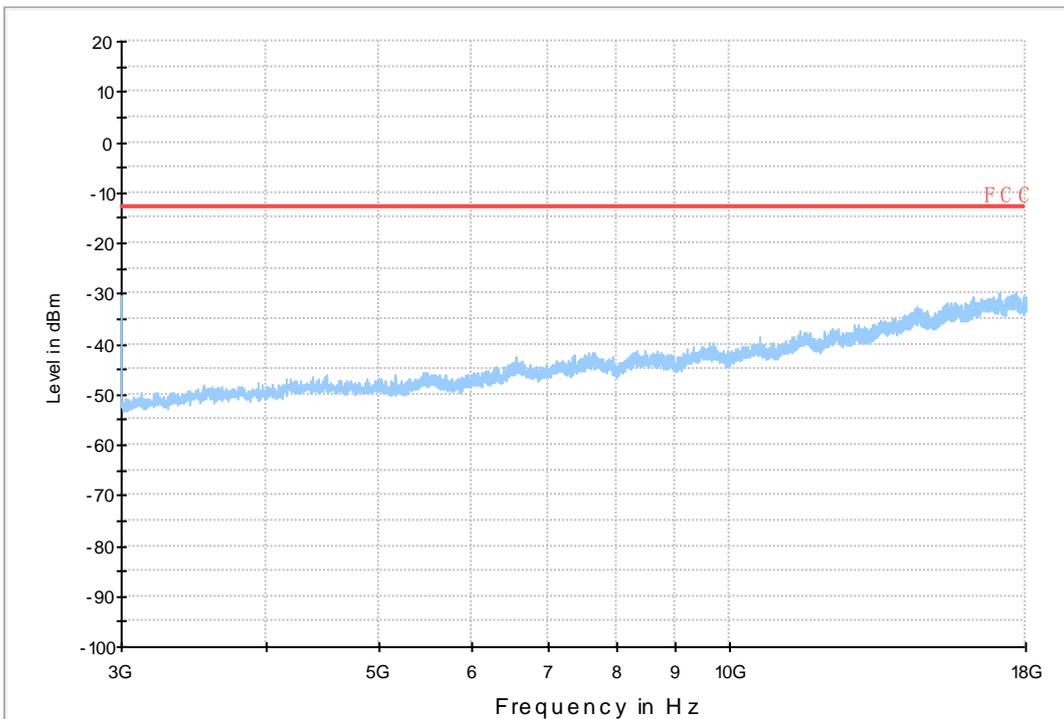
7.1.1.3 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

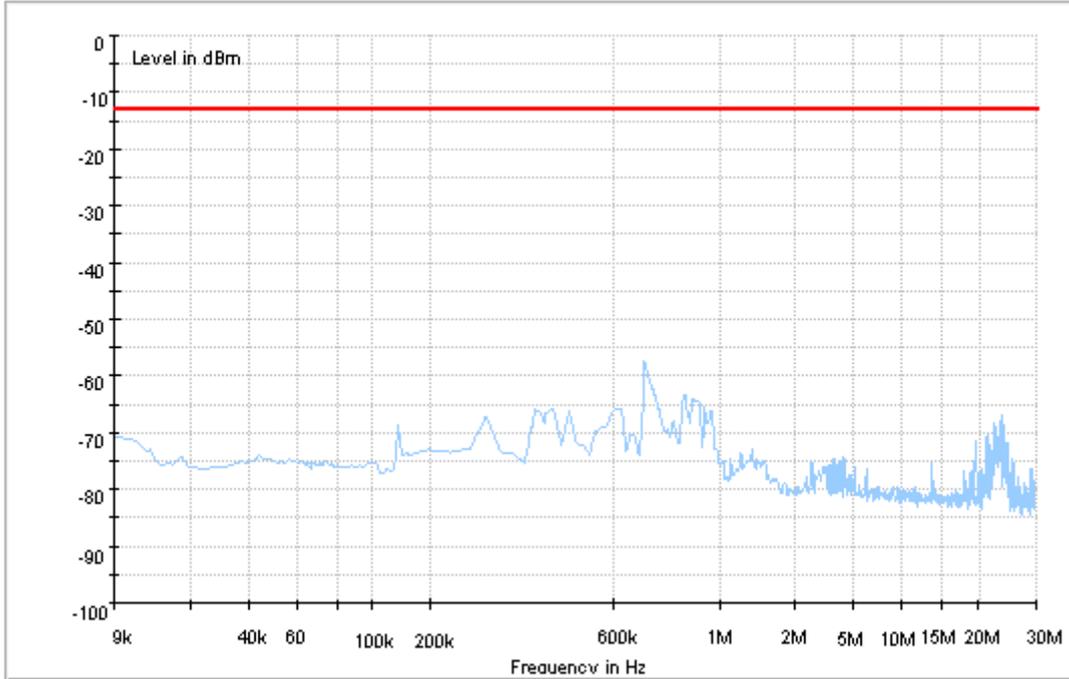


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

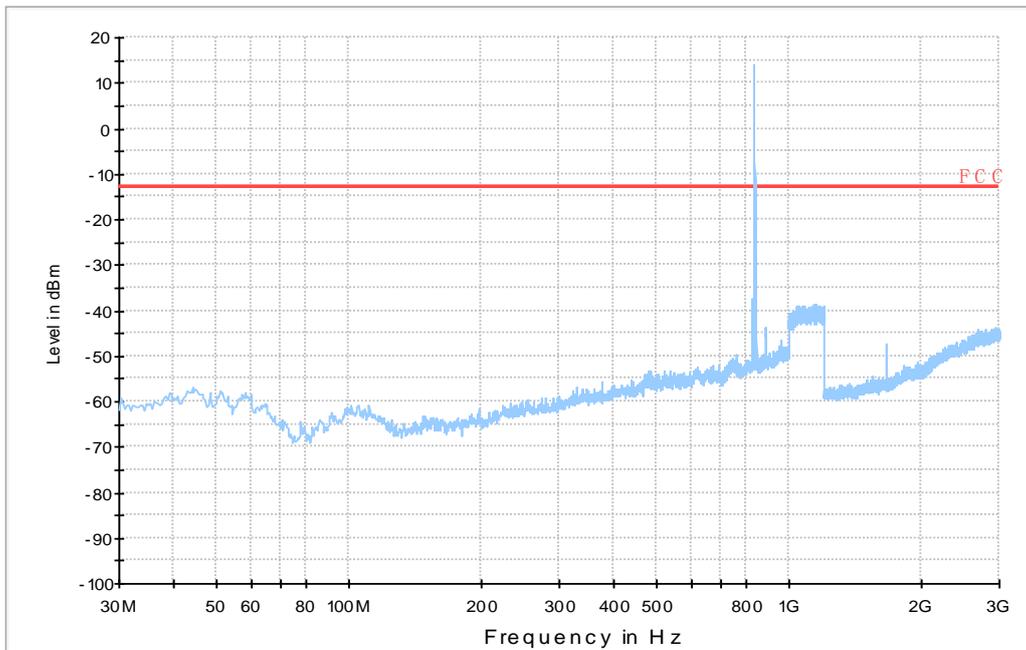


### 7.1.3 Test Band = BAND5\_ANT1

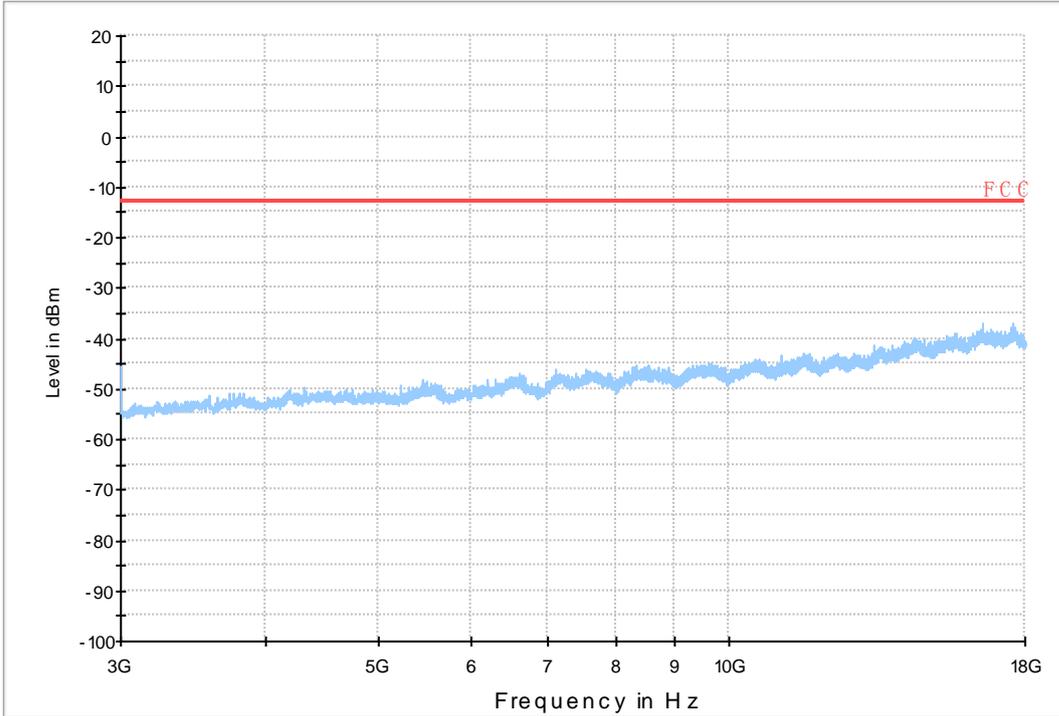
#### 7.1.3.1 Test Bandwidth = 1.4



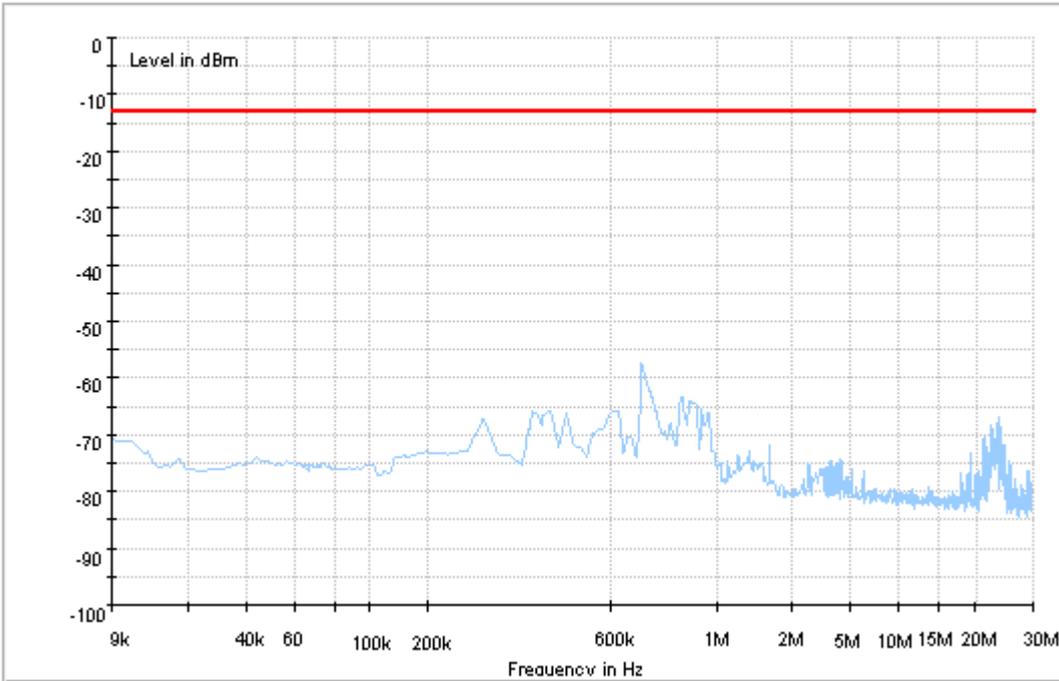
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



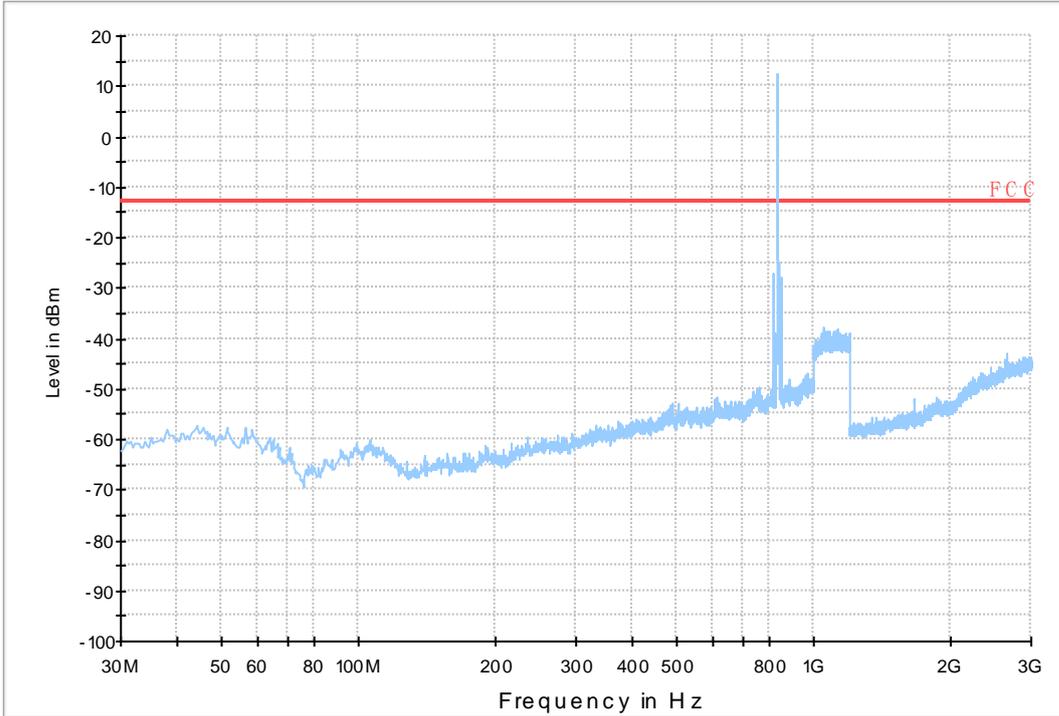
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



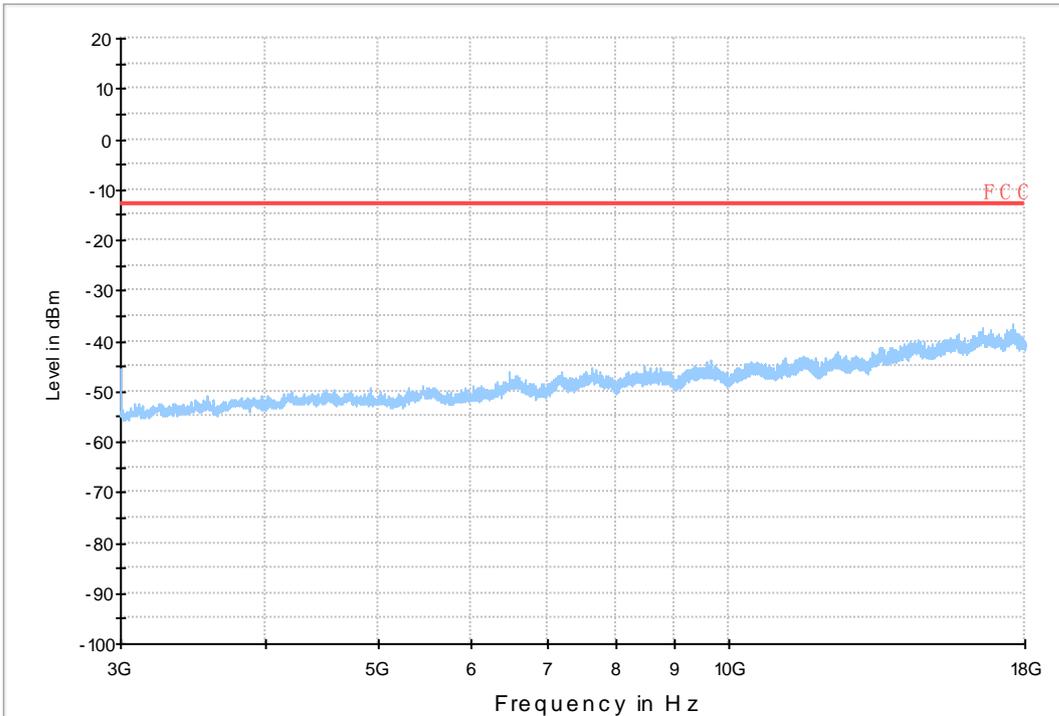
7.1.3.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G\_L

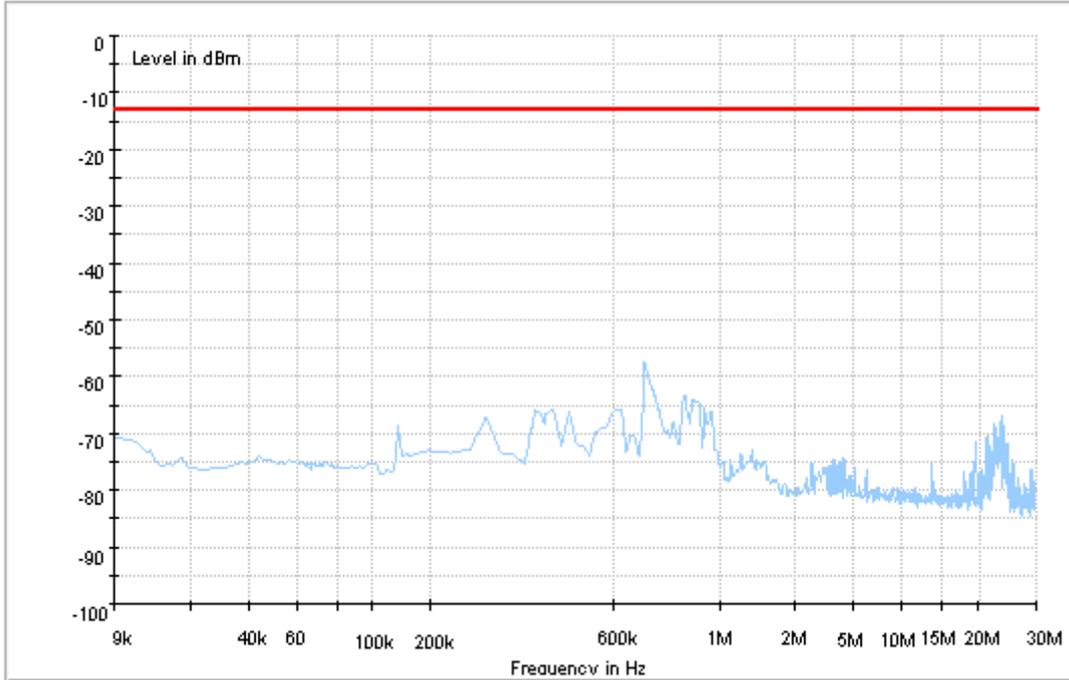


Copy of RSE-TX-DIRECTOR BELOW 1G\_H

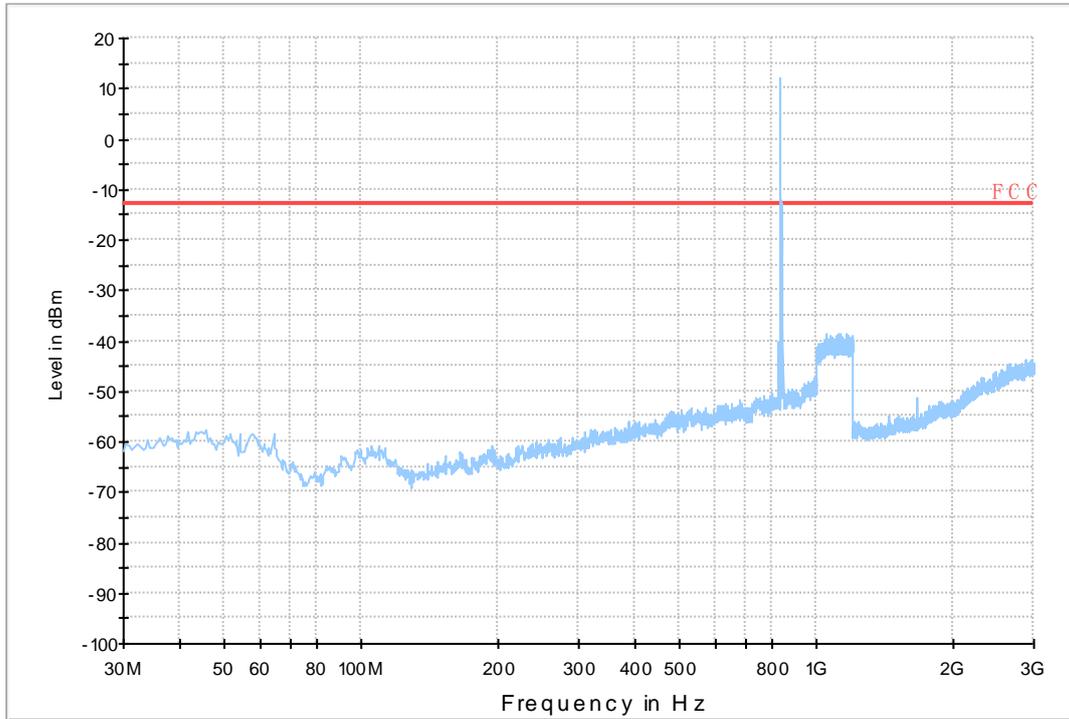


### 7.1.3 Test Band = BAND5\_ANT2

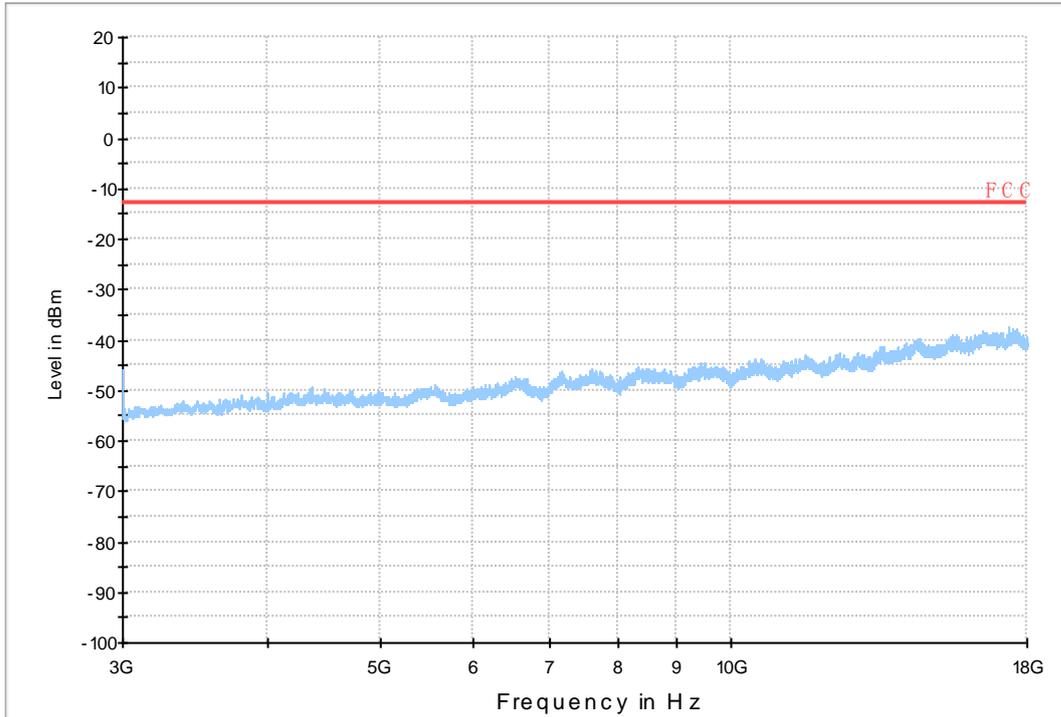
#### 7.1.3.1 Test Bandwidth = 1.4



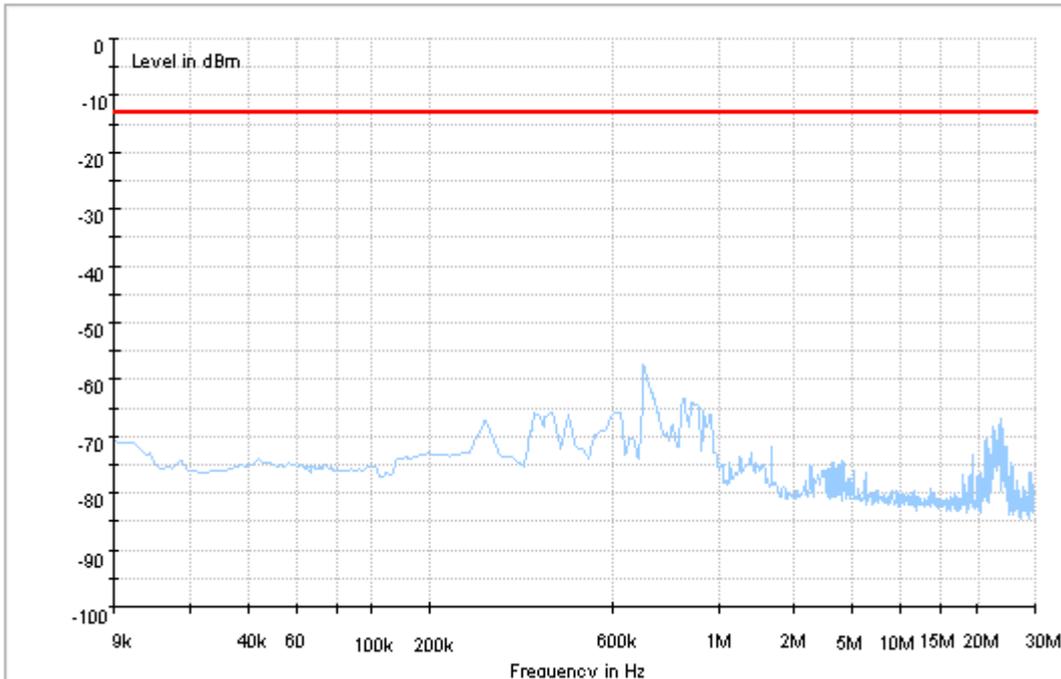
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



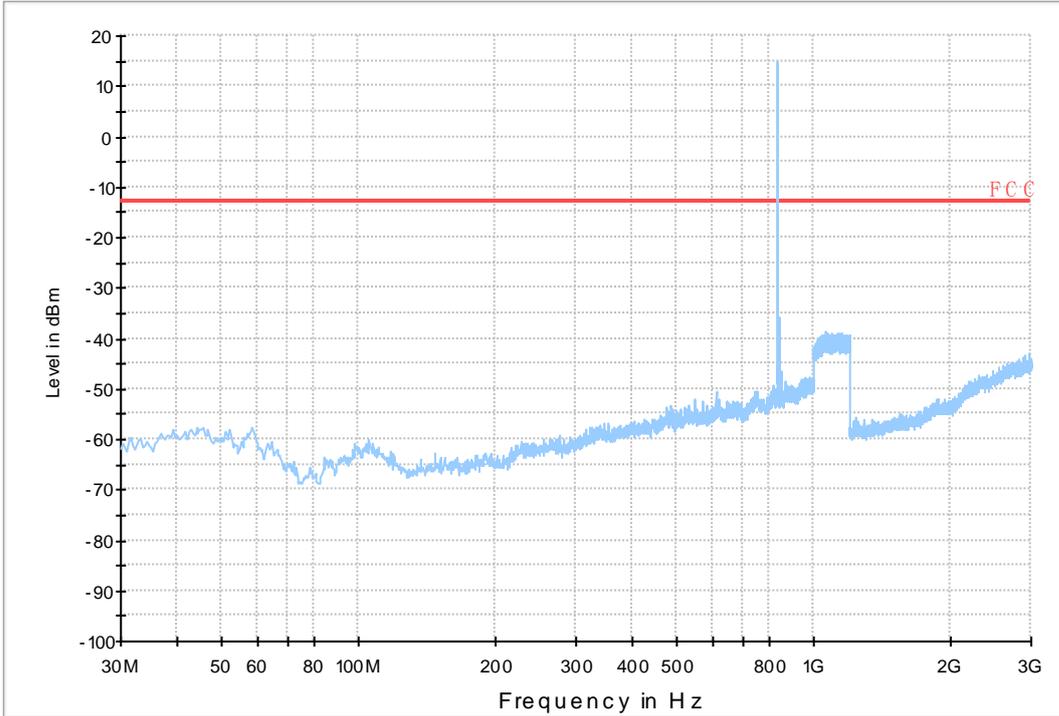
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



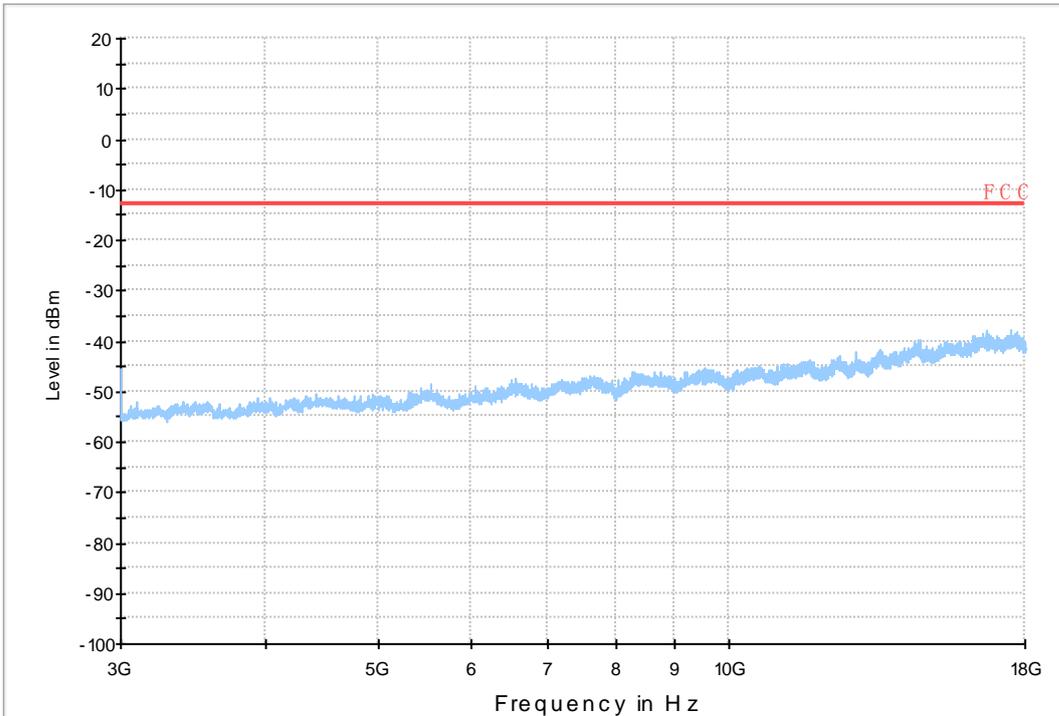
7.1.3.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G\_L

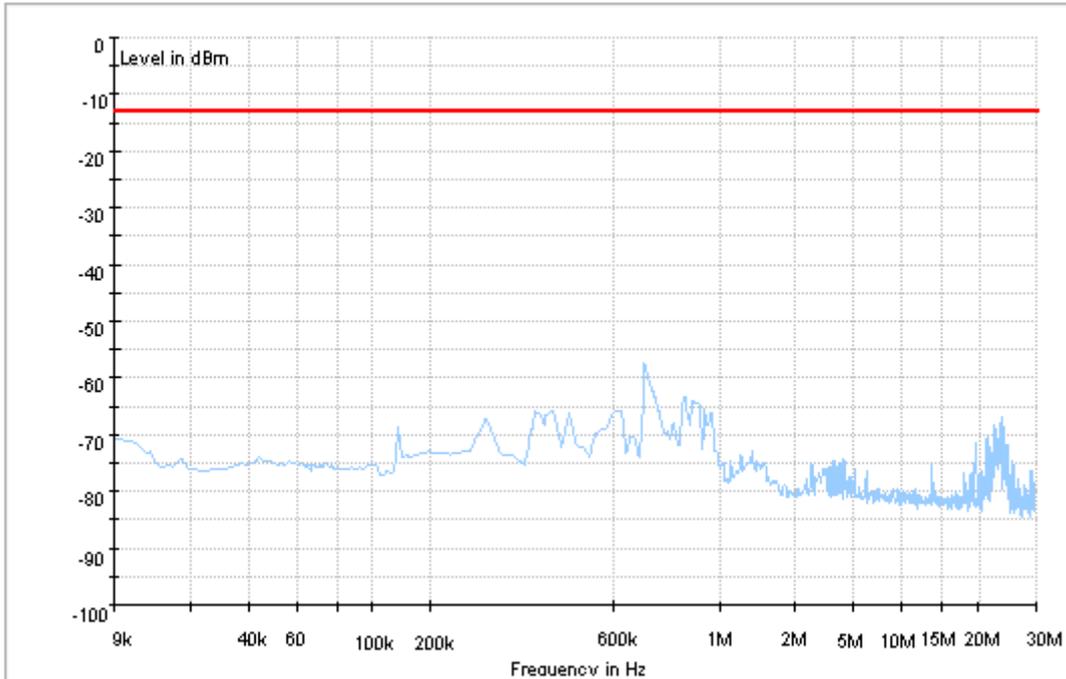


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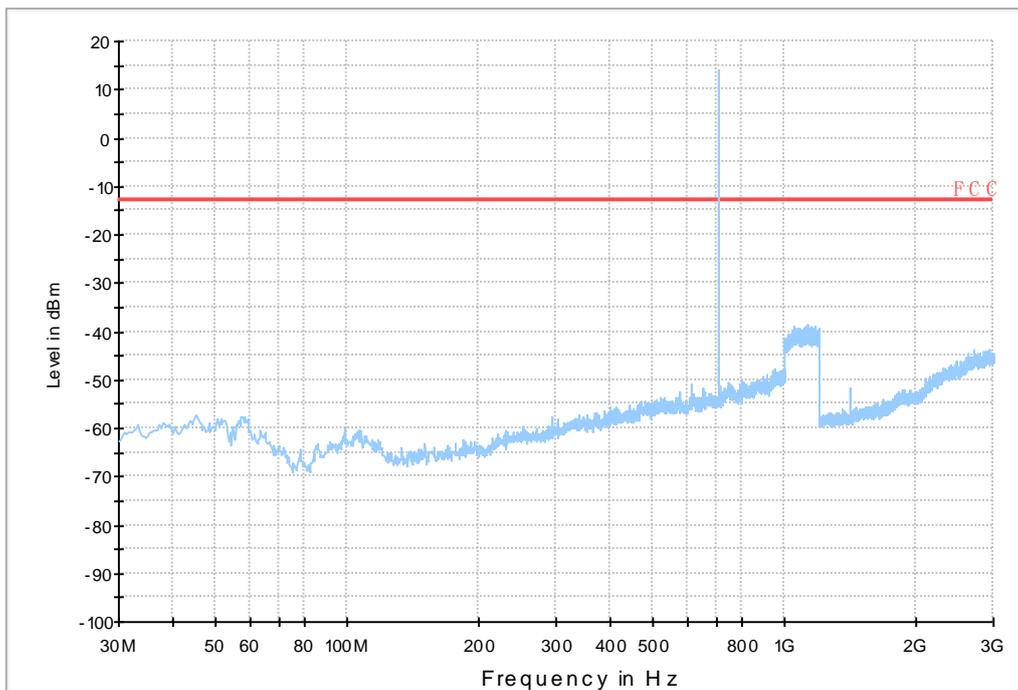


### 7.1.4 Test Band = BAND12\_ANT1

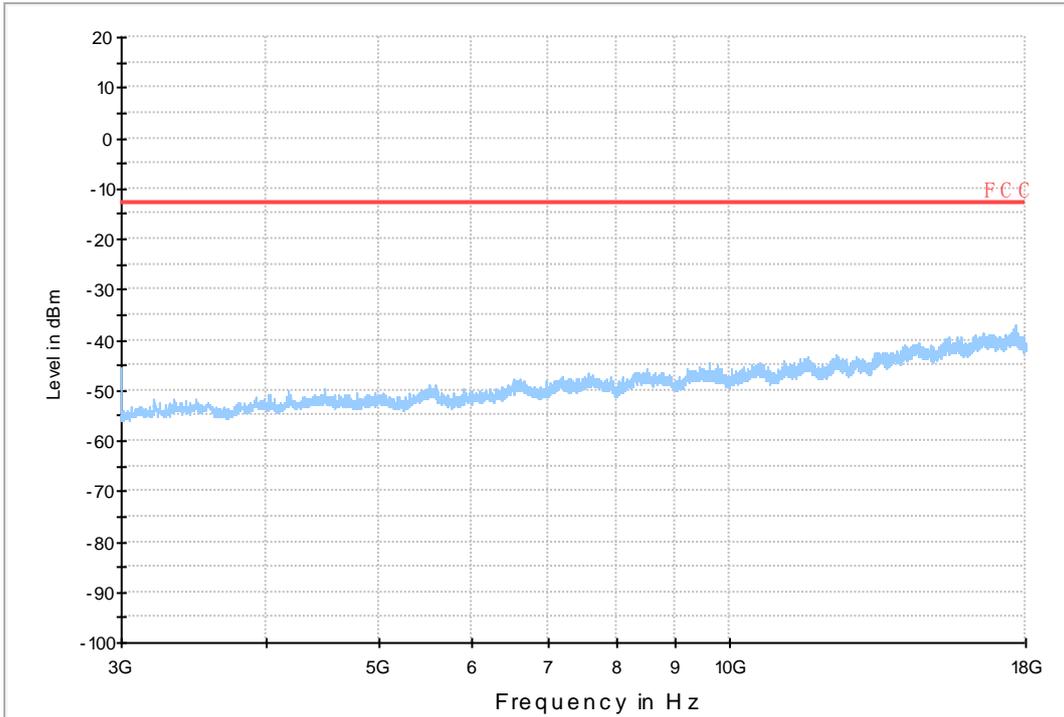
#### 7.1.4.1 Test Bandwidth = 1.4



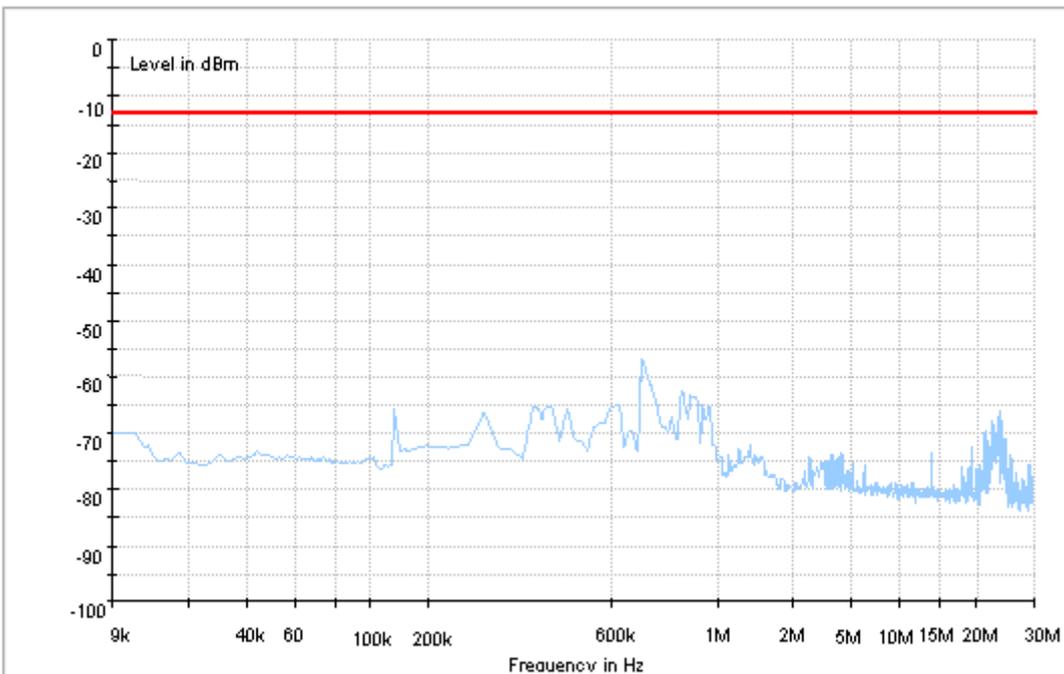
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



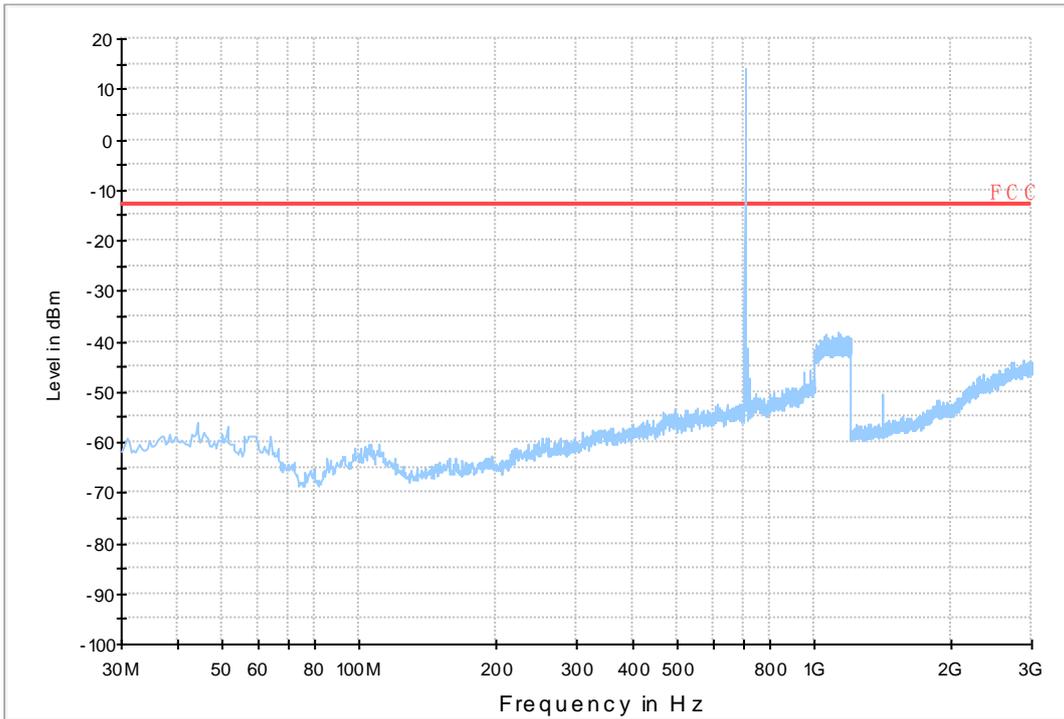
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



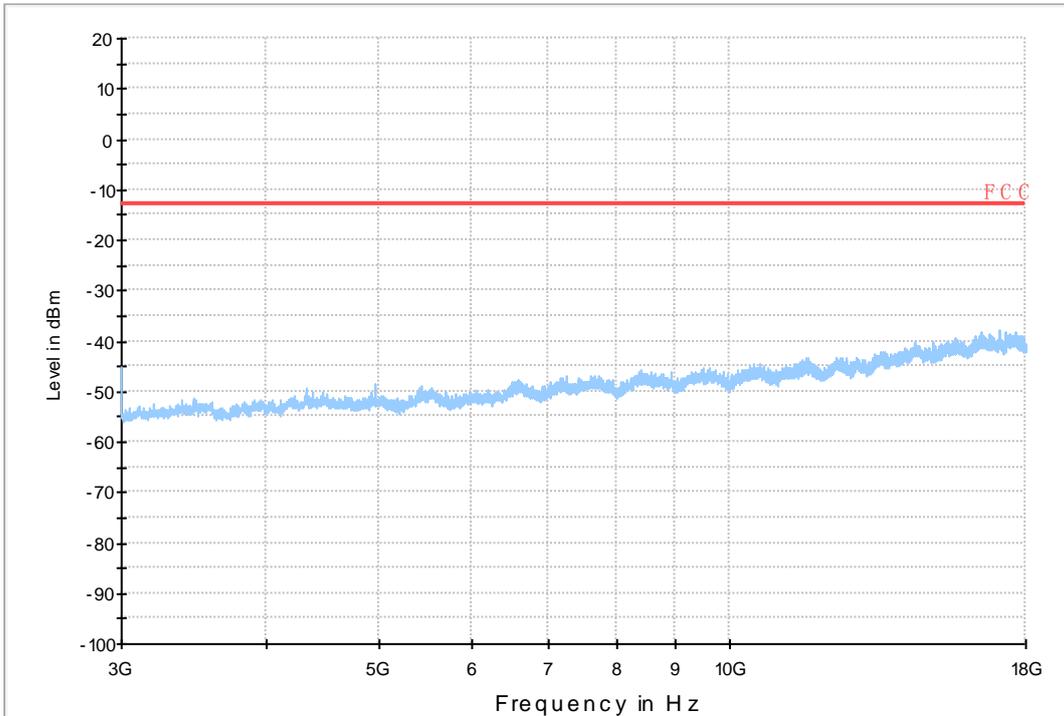
7.1.4.3 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G\_L

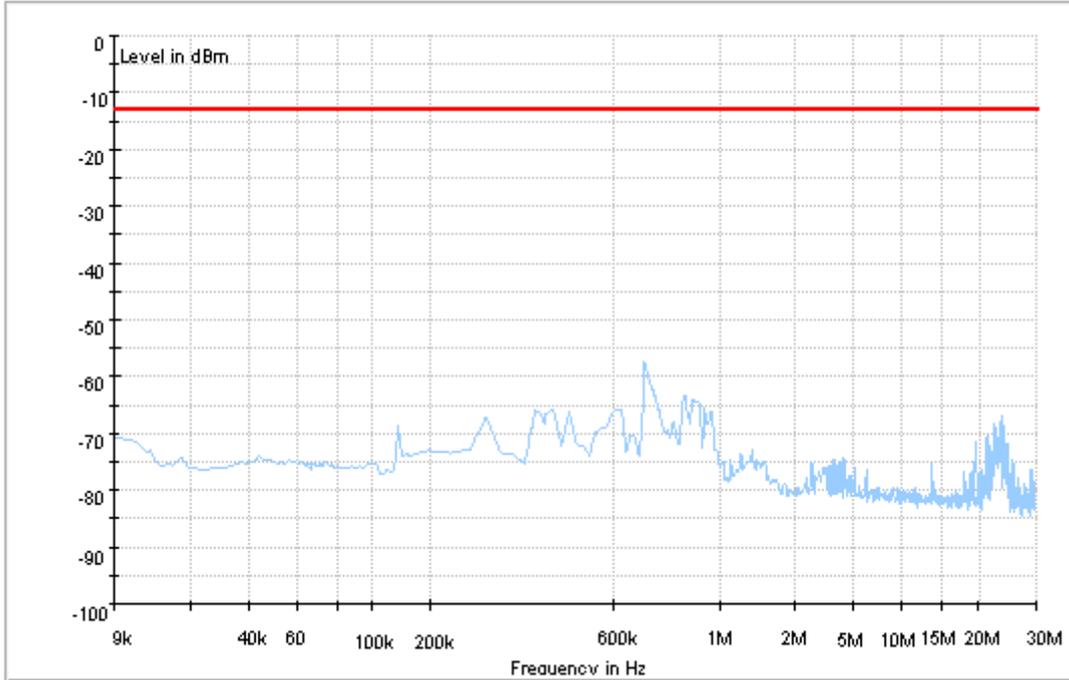


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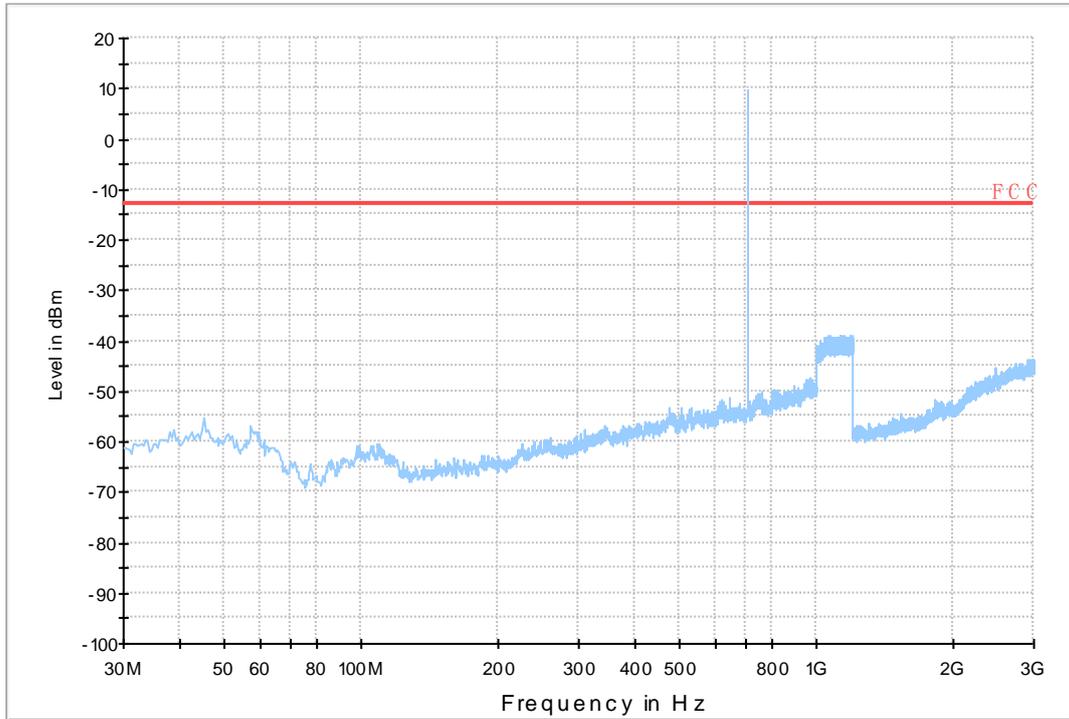


### 7.1.4 Test Band = BAND12\_ANT2

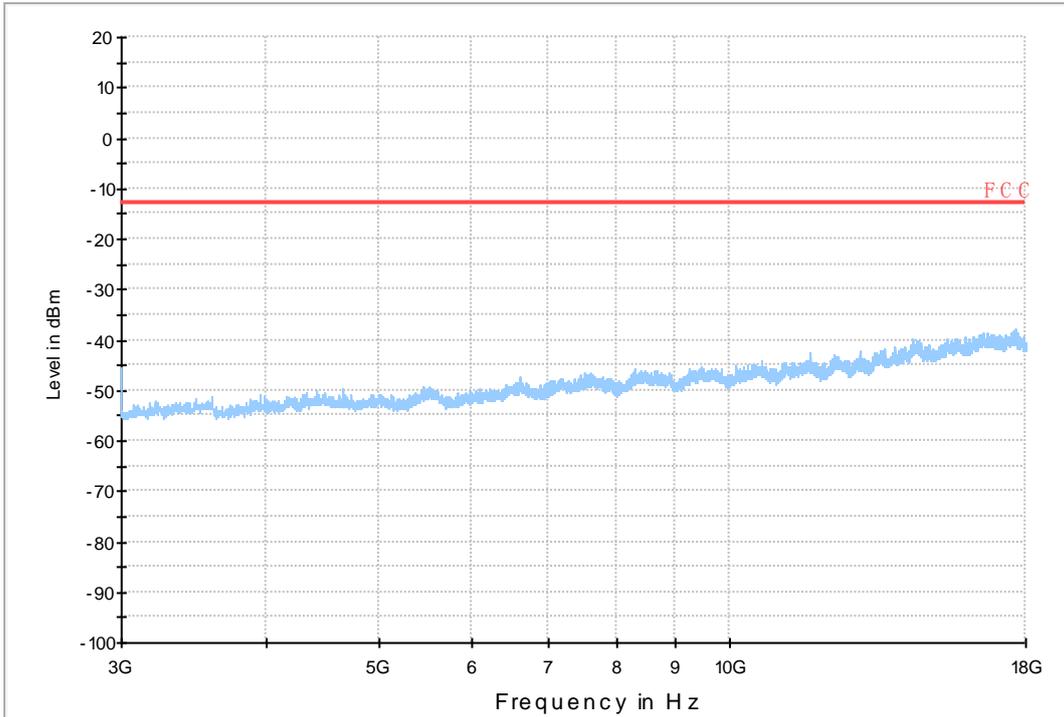
#### 7.1.4.1 Test Bandwidth = 1.4



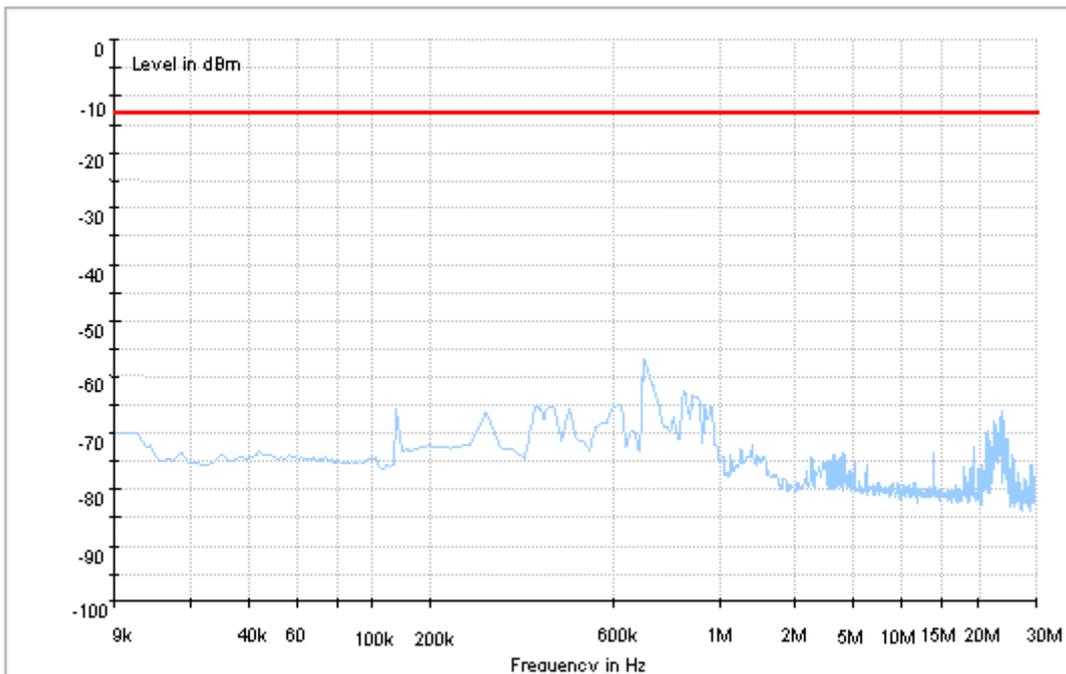
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



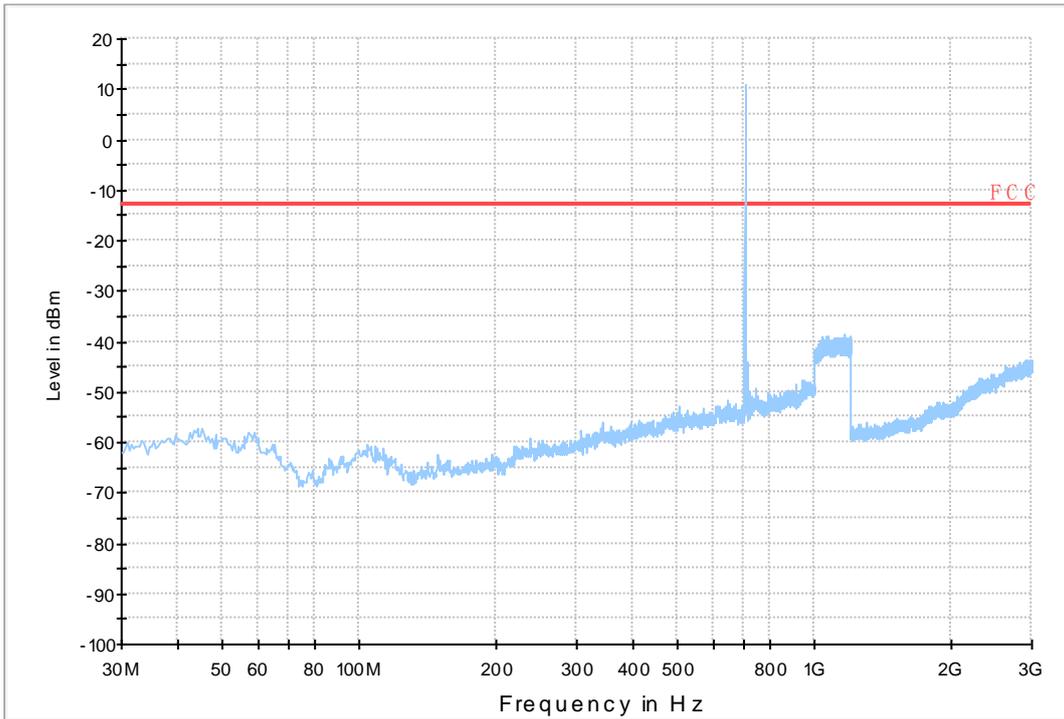
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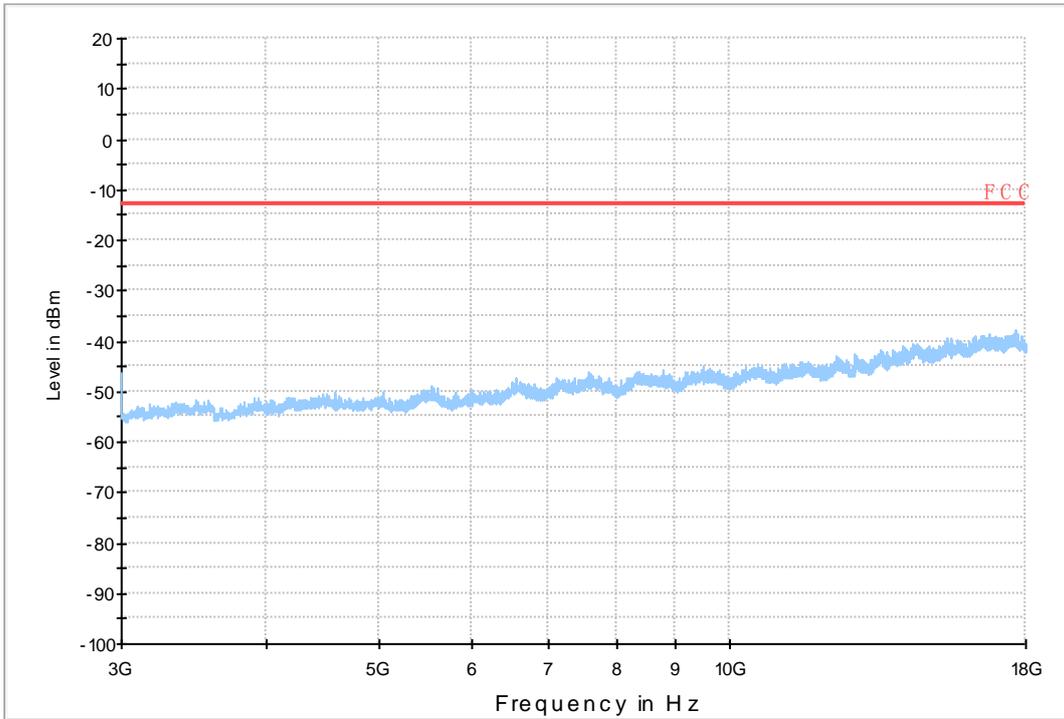
7.1.4.3 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G\_L

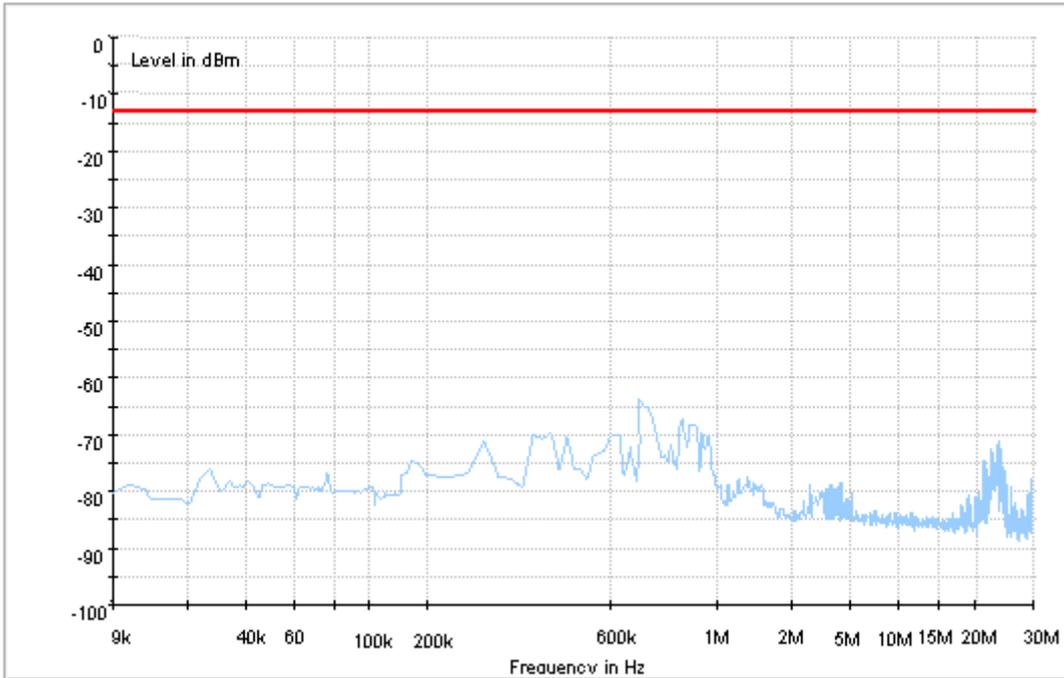


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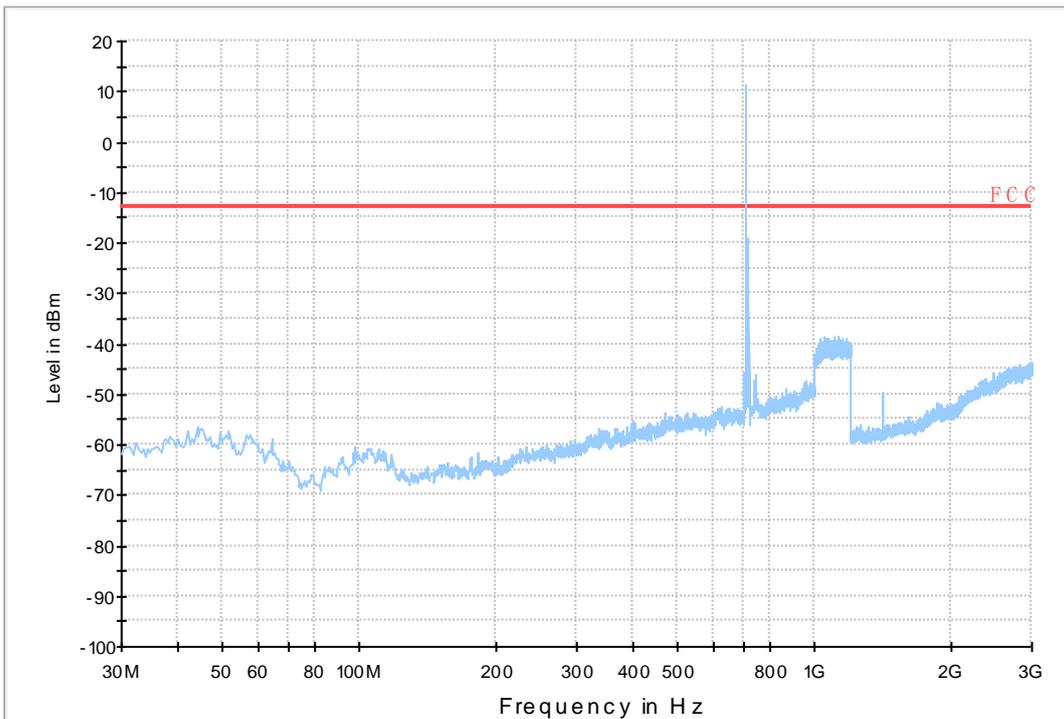


### 7.1.5 Test Band = BAND17\_ANT1

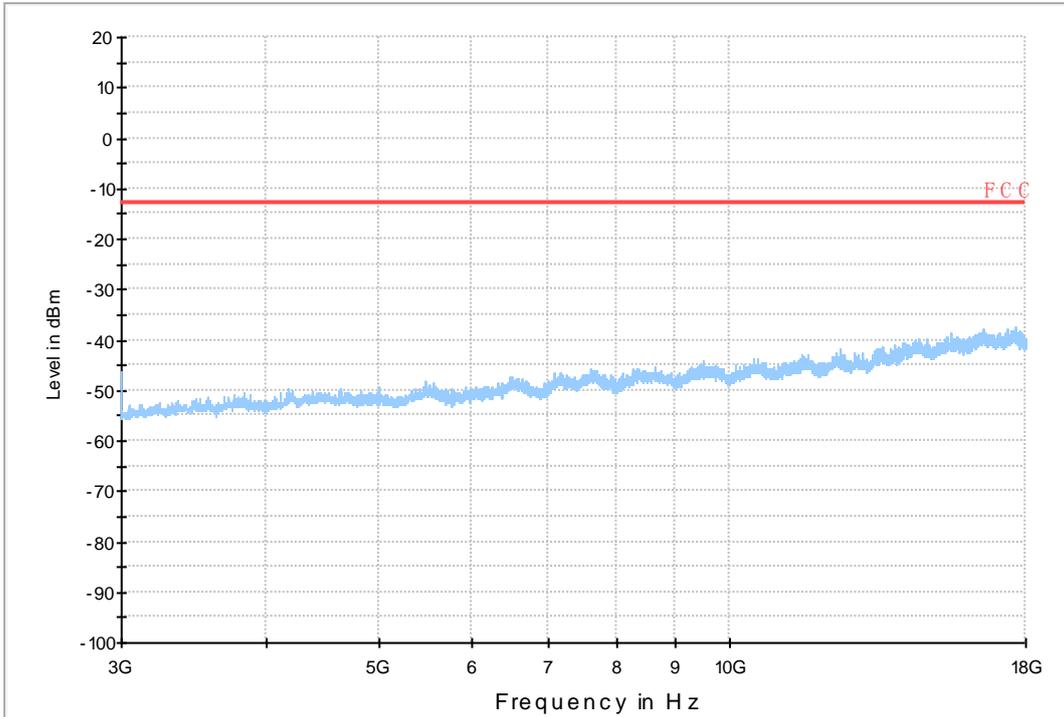
#### 7.1.5.1 Test Bandwidth = 5



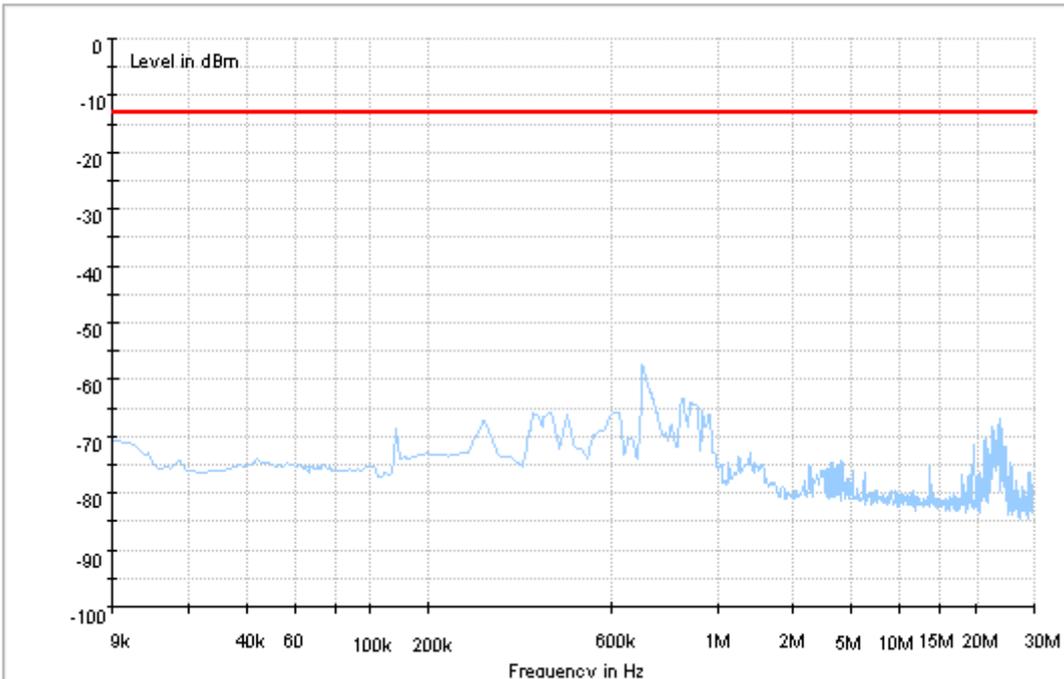
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



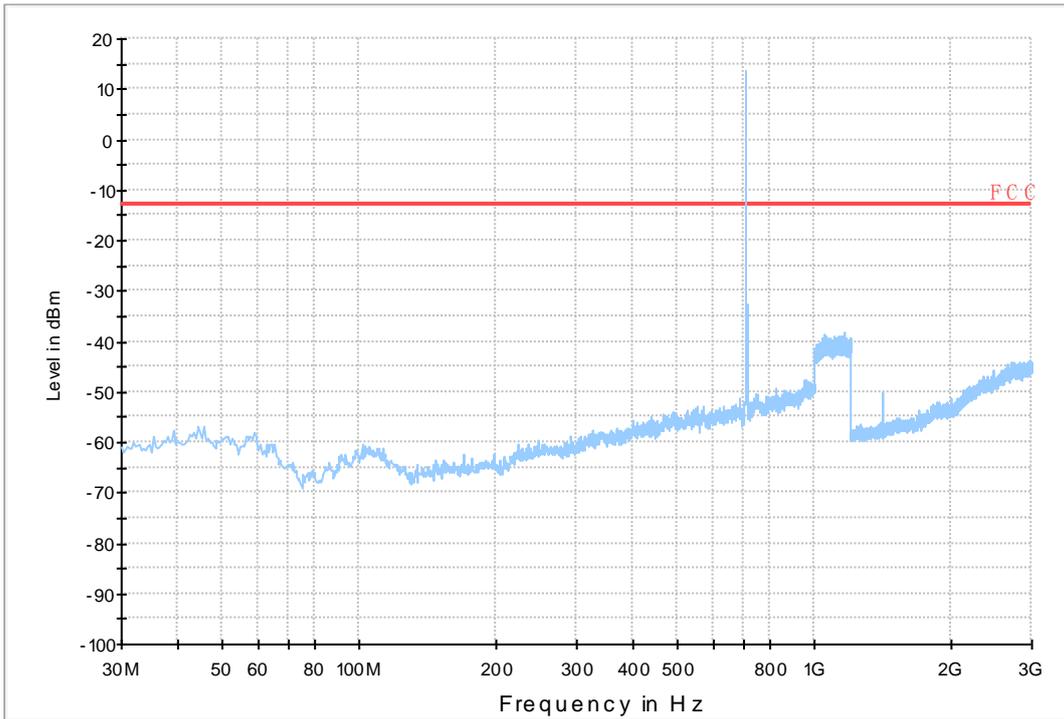
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



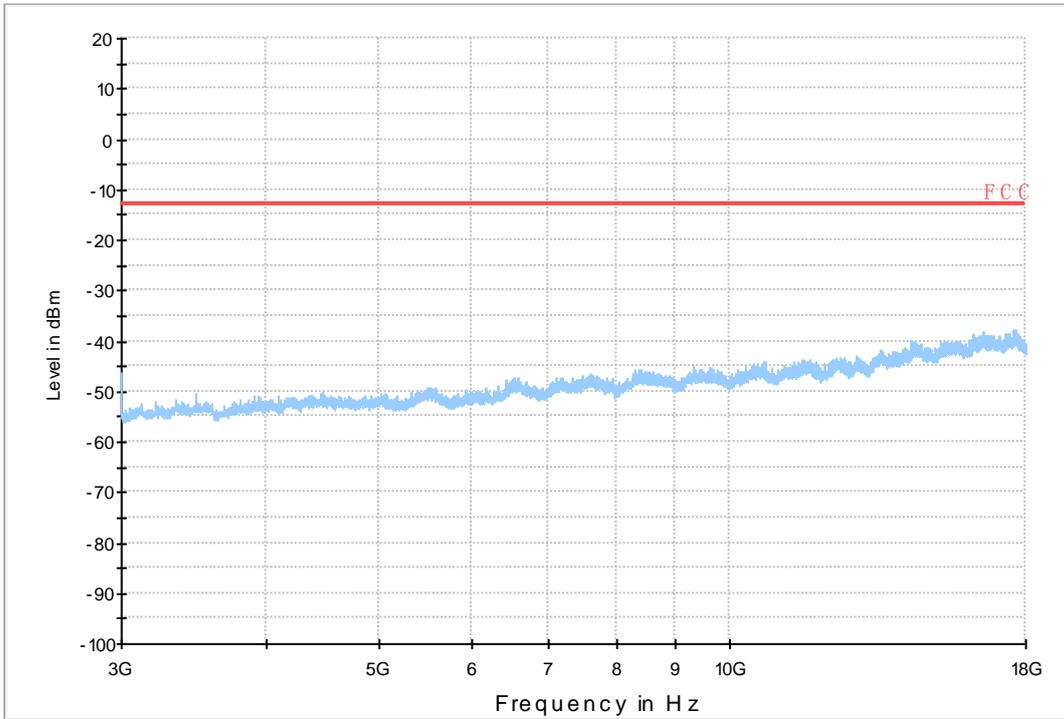
7.1.5.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G\_L

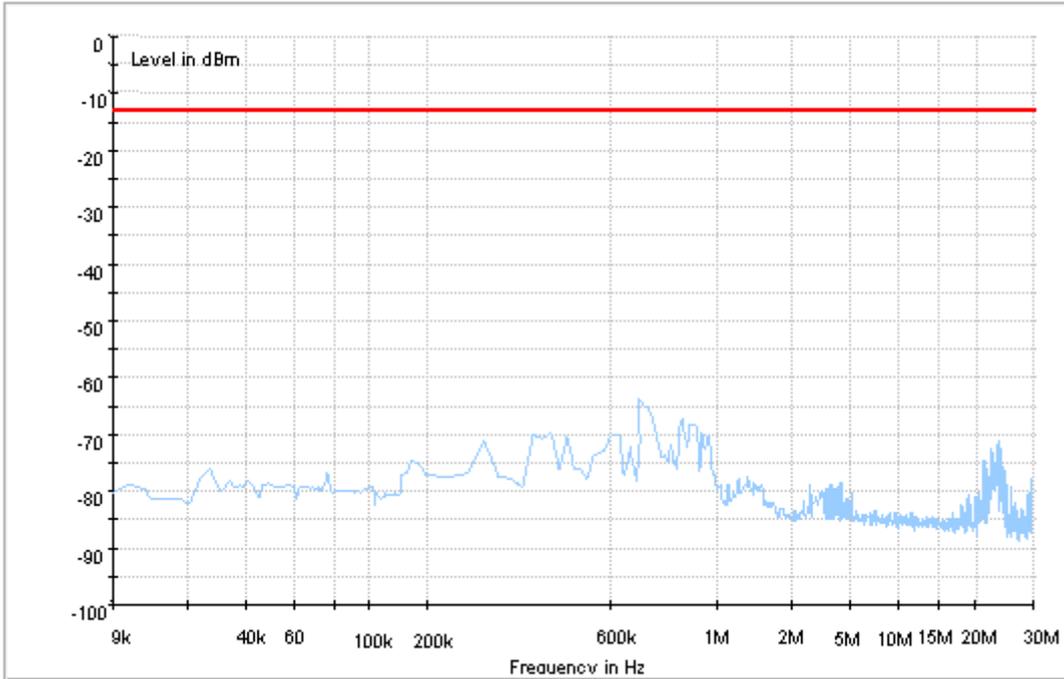


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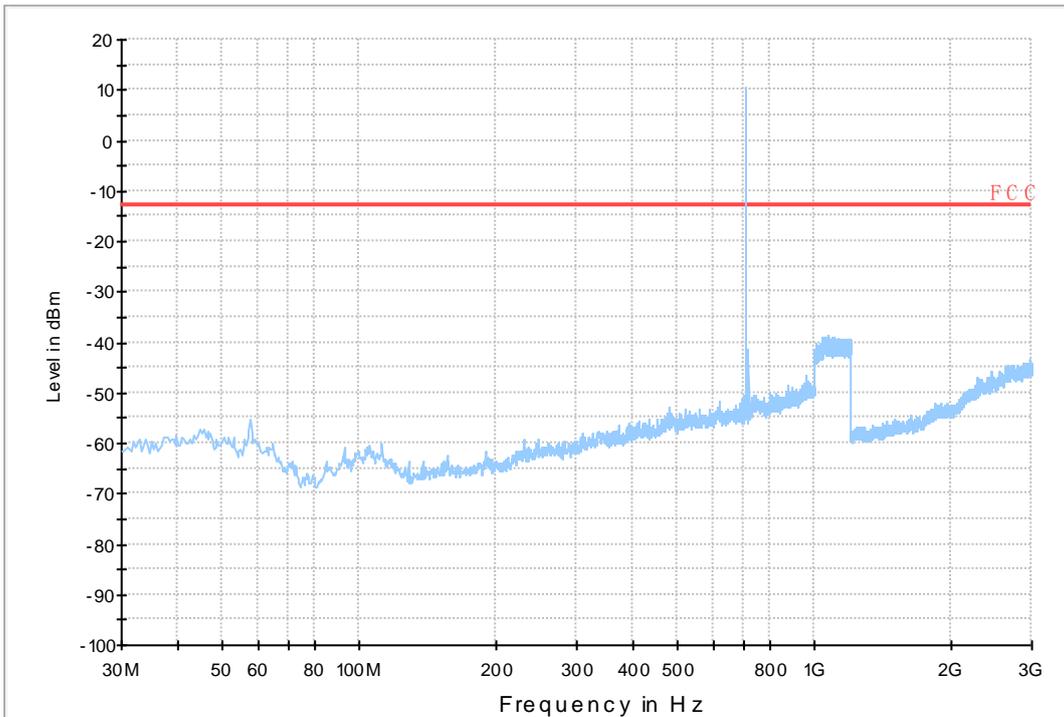


### 7.1.5 Test Band = BAND17\_ANT2

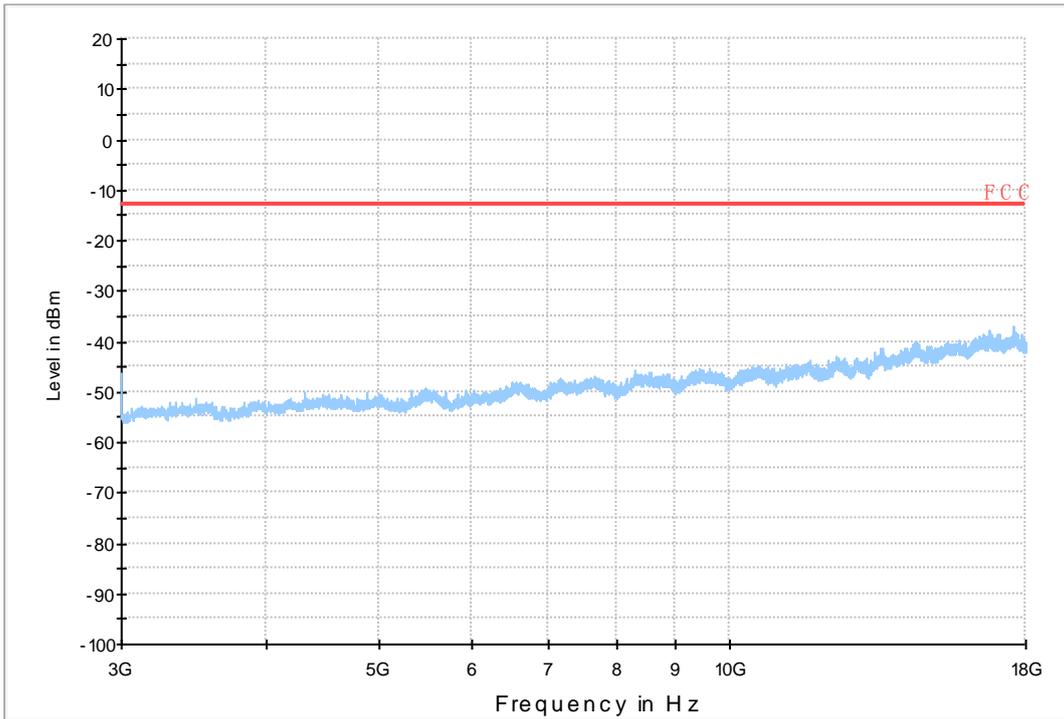
#### 7.1.5.1 Test Bandwidth = 5



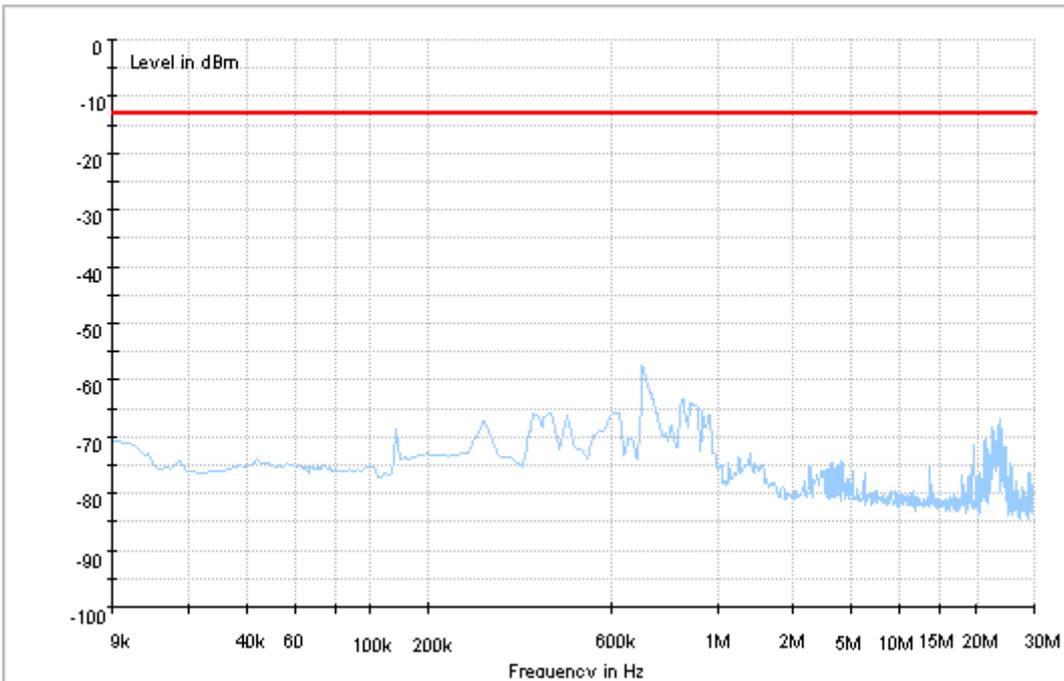
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



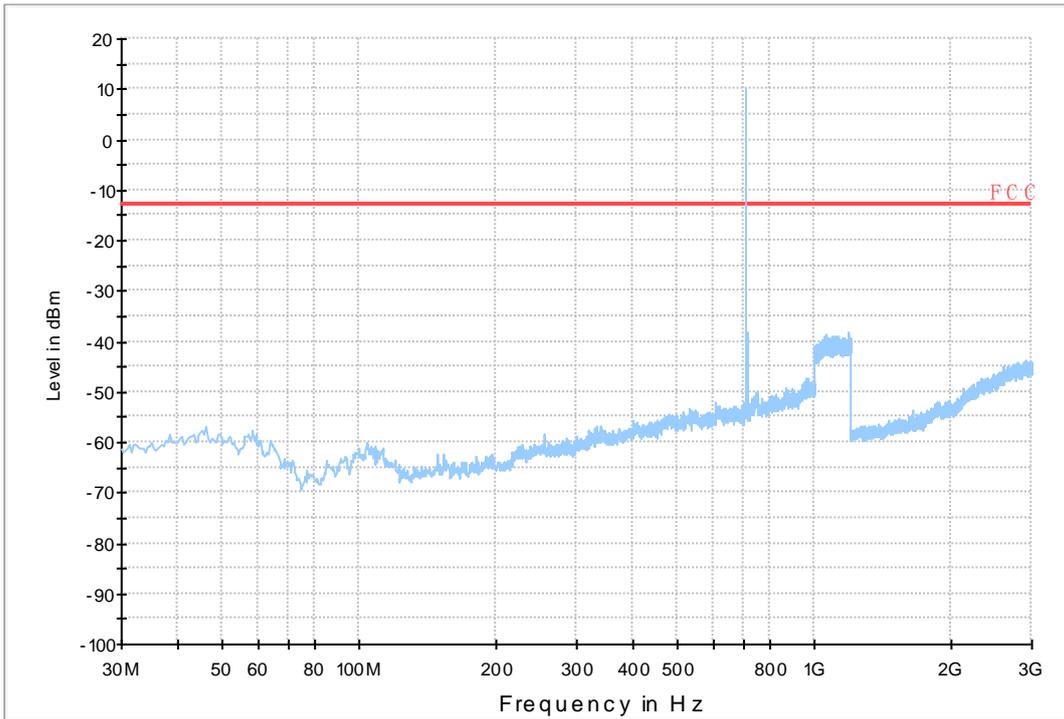
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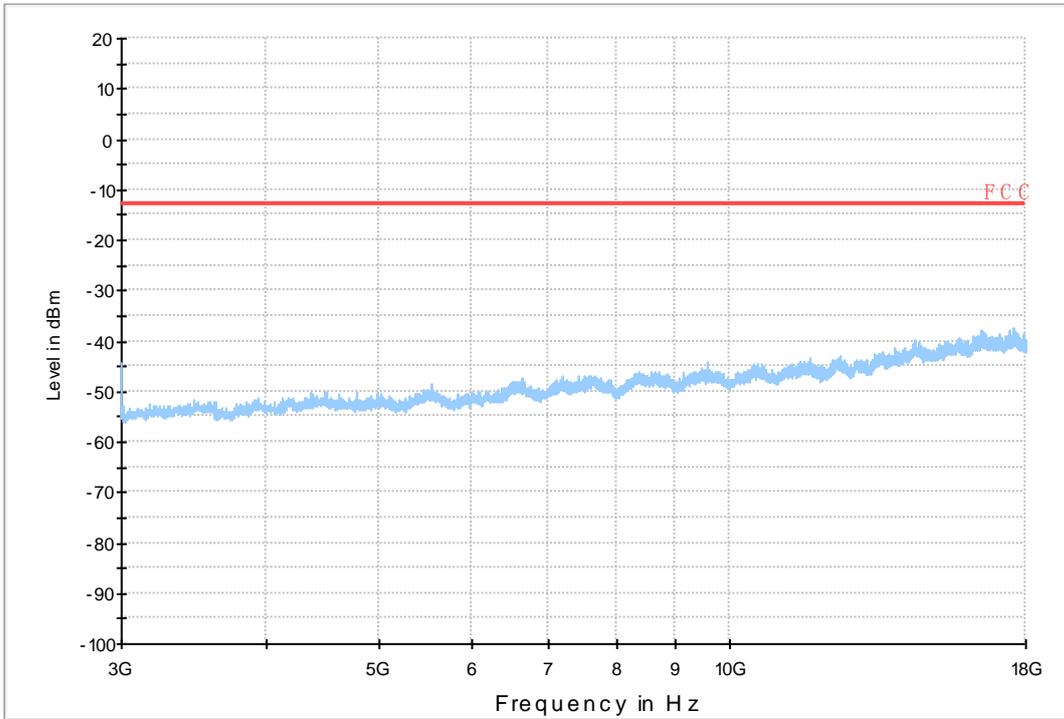
7.1.5.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G\_L



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## 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	-1.92	-0.00104	PASS
					VN	-2.8	-0.00151	PASS
					VH	-3.78	-0.00204	PASS
			MCH	TN	VL	-3.03	-0.00161	PASS
					VN	-3.38	-0.0018	PASS
					VH	-3	-0.0016	PASS
			HCH	TN	VL	-0.37	-0.00019	PASS
					VN	-0.14	-0.00007	PASS
					VH	0.4	0.00021	PASS
		3	LCH	TN	VL	-5.62	-0.00304	PASS
					VN	-6.42	-0.00347	PASS
					VH	-3.1	-0.00167	PASS
			MCH	TN	VL	-5.81	-0.00309	PASS
					VN	-0.27	-0.00014	PASS
					VH	-3.96	-0.00211	PASS
			HCH	TN	VL	-0.87	-0.00046	PASS
					VN	2.85	0.00149	PASS
					VH	-6.32	-0.00331	PASS
		5	LCH	TN	VL	1.57	0.00085	PASS
					VN	-0.16	-0.00009	PASS
					VH	-5.44	-0.00294	PASS
			MCH	TN	VL	-4.33	-0.0023	PASS
					VN	-2	-0.00106	PASS
					VH	-0.9	-0.00048	PASS
			HCH	TN	VL	-2.39	-0.00125	PASS
					VN	-0.54	-0.00028	PASS
					VH	5.42	0.00284	PASS
		10	LCH	TN	VL	-0.72	-0.00039	PASS
					VN	-2.46	-0.00133	PASS
					VH	-5.11	-0.00275	PASS
MCH	TN		VL	-2.6	-0.00138	PASS		
			VN	-4.53	-0.00241	PASS		
			VH	-3.82	-0.00203	PASS		
HCH	TN	VL	2.89	0.00152	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	LCH	TN	VN	1.17	0.00061	PASS
					VH	1.02	0.00054	PASS
					VL	-2.88	-0.00155	PASS
					VN	-2.17	-0.00117	PASS
					VH	-4.08	-0.0022	PASS
					VL	-4.31	-0.00229	PASS
			MCH	TN	VN	-2.42	-0.00129	PASS
					VH	-1.73	-0.00092	PASS
					VL	-5.71	-0.003	PASS
					VN	-2.93	-0.00154	PASS
					VH	-4.51	-0.00237	PASS
					VL	0.77	0.00041	PASS
		20	LCH	TN	VN	-0.07	-0.00004	PASS
					VH	-1.72	-0.00092	PASS
					VL	-4.13	-0.0022	PASS
					VN	-6.17	-0.00328	PASS
					VH	-6.15	-0.00327	PASS
					VL	-2.12	-0.00112	PASS
			MCH	TN	VN	-3.49	-0.00184	PASS
					VH	-4.33	-0.00228	PASS
					VL	-1.93	-0.00104	PASS
					VN	-2.35	-0.00127	PASS
					VH	-1.23	-0.00066	PASS
					VL	-3.2	-0.0017	PASS
		3	LCH	TN	VN	-2.6	-0.00138	PASS
					VH	-1.96	-0.00104	PASS
					VL	0.92	0.00048	PASS
					VN	1.24	0.00065	PASS
					VH	-1.14	-0.0006	PASS
					VL	-3.02	-0.00163	PASS
			MCH	TN	VN	-4.71	-0.00254	PASS
					VH	-3.36	-0.00181	PASS
					VL	-2.49	-0.00132	PASS
					VN	-3.96	-0.00211	PASS
					VH	-2.93	-0.00156	PASS
					VL	-0.63	-0.00033	PASS
		5	LCH	TN	VN	0.07	0.00004	PASS
					VH	2.46	0.00129	PASS
					VL	-5.79	-0.00313	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	-5.76	-0.00311	PASS		
					VH	1.69	0.00091	PASS		
					MCH	TN	VL	-0.07	-0.00004	PASS
							VN	-4.52	-0.0024	PASS
					VH	-3.56	-0.00189	PASS		
					HCH	TN	VL	1.49	0.00078	PASS
			VN	0.74			0.00039	PASS		
			VH	2.25			0.00118	PASS		
			10	LCH	TN	VL	1.75	0.00094	PASS	
						VN	-4.66	-0.00251	PASS	
						VH	0.9	0.00049	PASS	
				MCH	TN	VL	-3.35	-0.00178	PASS	
		VN				-2.26	-0.0012	PASS		
		VH				-2.03	-0.00108	PASS		
		HCH		TN	VL	0.59	0.00031	PASS		
					VN	1.83	0.00096	PASS		
					VH	1.06	0.00056	PASS		
		15		LCH	TN	VL	-2.17	-0.00117	PASS	
						VN	-3.93	-0.00212	PASS	
						VH	-2.37	-0.00128	PASS	
			MCH	TN	VL	-5.32	-0.00283	PASS		
					VN	-3.78	-0.00201	PASS		
					VH	-4.38	-0.00233	PASS		
			HCH	TN	VL	-6.64	-0.00349	PASS		
					VN	-3.96	-0.00208	PASS		
					VH	-2.4	-0.00126	PASS		
		20	LCH	TN	VL	1.37	0.00074	PASS		
					VN	0.46	0.00025	PASS		
					VH	0.41	0.00022	PASS		
			MCH	TN	VL	-3.68	-0.00196	PASS		
					VN	-1.85	-0.00098	PASS		
					VH	-3.62	-0.00193	PASS		
			HCH	TN	VL	-2.26	-0.00119	PASS		
					VN	-1.2	-0.00063	PASS		
					VH	-1.96	-0.00103	PASS		



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	2.09	0.00122	PASS
					VN	2.56	0.0015	PASS
					VH	2.8	0.00164	PASS
			MCH	TN	VL	1.34	0.00077	PASS
					VN	0.51	0.00029	PASS
					VH	0.89	0.00051	PASS
			HCH	TN	VL	-2.09	-0.00119	PASS
					VN	-2.93	-0.00167	PASS
					VH	-3.4	-0.00194	PASS
		3	LCH	TN	VL	4.42	0.00258	PASS
					VN	4.84	0.00283	PASS
					VH	1.02	0.0006	PASS
			MCH	TN	VL	-7.91	-0.00457	PASS
					VN	-25.99	-0.015	PASS
					VH	-22.7	-0.0131	PASS
			HCH	TN	VL	9.71	0.00554	PASS
					VN	3.56	0.00203	PASS
					VH	2.86	0.00163	PASS
		5	LCH	TN	VL	-7.44	-0.00434	PASS
					VN	-5.87	-0.00343	PASS
					VH	-11.04	-0.00645	PASS
			MCH	TN	VL	-0.77	-0.00044	PASS
					VN	0.92	0.00053	PASS
					VH	-3.49	-0.00201	PASS
			HCH	TN	VL	-3.4	-0.00194	PASS
					VN	-3.88	-0.00221	PASS
					VH	-0.56	-0.00032	PASS
		10	LCH	TN	VL	0.37	0.00022	PASS
					VN	-4.39	-0.00256	PASS
					VH	-2.05	-0.0012	PASS
			MCH	TN	VL	3.06	0.00177	PASS
					VN	-0.39	-0.00023	PASS
					VH	-4.56	-0.00263	PASS
			HCH	TN	VL	3.6	0.00206	PASS
					VN	3.75	0.00214	PASS
					VH	9.74	0.00557	PASS
		15	LCH	TN	VL	3.29	0.00192	PASS
					VN	5.31	0.00309	PASS
					VH	9.11	0.0053	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	-0.69	-0.0004	PASS	
					VN	-4.56	-0.00263	PASS	
					VH	-5.68	-0.00328	PASS	
			HCH	TN	VL	-3.58	-0.00205	PASS	
					VN	1.43	0.00082	PASS	
					VH	-1.44	-0.00082	PASS	
			LCH	TN	VL	-1.49	-0.00087	PASS	
					VN	3.56	0.00207	PASS	
					VH	1.04	0.0006	PASS	
		MCH	TN	VL	-4.96	-0.00286	PASS		
				VN	-4.52	-0.00261	PASS		
				VH	-5.51	-0.00318	PASS		
		HCH	TN	VL	-6.48	-0.00371	PASS		
				VN	-2.3	-0.00132	PASS		
				VH	-4.08	-0.00234	PASS		
		LTE/TM2	1.4	LCH	TN	VL	0.77	0.00045	PASS
						VN	1.65	0.00096	PASS
						VH	0.84	0.00049	PASS
	MCH			TN	VL	1.37	0.00079	PASS	
					VN	-0.09	-0.00005	PASS	
					VH	1.14	0.00066	PASS	
	HCH			TN	VL	-3.53	-0.00201	PASS	
					VN	-3.28	-0.00187	PASS	
					VH	-2.88	-0.00164	PASS	
	3		LCH	TN	VL	-10.83	-0.00633	PASS	
					VN	2.15	0.00126	PASS	
					VH	-31.63	-0.01848	PASS	
			MCH	TN	VL	-0.31	-0.00018	PASS	
					VN	-29.2	-0.01685	PASS	
					VH	-31.49	-0.01818	PASS	
	HCH		TN	VL	-0.17	-0.0001	PASS		
				VN	0.7	0.0004	PASS		
				VH	-0.9	-0.00051	PASS		
	5	LCH	TN	VL	-15.81	-0.00923	PASS		
				VN	-27.67	-0.01616	PASS		
				VH	-25.22	-0.01473	PASS		
		MCH	TN	VL	0.49	0.00028	PASS		
				VN	-0.67	-0.00039	PASS		
				VH	-14.88	-0.00859	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10	HCH	TN	VL	2.57	0.00147	PASS	
					VN	1.29	0.00074	PASS	
					VH	-5.94	-0.00339	PASS	
			LCH	TN	VL	-3.19	-0.00186	PASS	
					VN	-2.07	-0.00121	PASS	
					VH	0.03	0.00002	PASS	
				MCH	TN	VL	-16.16	-0.00933	PASS
						VN	-3	-0.00173	PASS
						VH	-4.29	-0.00248	PASS
		HCH	TN	VL	-2.42	-0.00138	PASS		
				VN	-1.79	-0.00102	PASS		
				VH	3.92	0.00224	PASS		
		15	LCH	TN	VL	-2.69	-0.00157	PASS	
					VN	-0.1	-0.00006	PASS	
					VH	-0.16	-0.00009	PASS	
			MCH	TN	VL	3.15	0.00182	PASS	
					VN	-1.75	-0.00101	PASS	
					VH	3.18	0.00184	PASS	
			HCH	TN	VL	0.24	0.00014	PASS	
					VN	-0.3	-0.00017	PASS	
					VH	-1.12	-0.00064	PASS	
		20	LCH	TN	VL	-3.5	-0.00203	PASS	
					VN	0.76	0.00044	PASS	
					VH	0.46	0.00027	PASS	
			MCH	TN	VL	1.5	0.00087	PASS	
					VN	1.34	0.00077	PASS	
					VH	2.2	0.00127	PASS	
			HCH	TN	VL	-4.73	-0.00271	PASS	
					VN	-1.39	-0.0008	PASS	
					VH	-4.75	-0.00272	PASS	
BAND12	LTE/TM1	1.4	LCH	TN	VL	-0.46	-0.00066	PASS	
					VN	-1.73	-0.00247	PASS	
					VH	-1.92	-0.00274	PASS	
			MCH	TN	VL	0.7	0.00099	PASS	
					VN	1.57	0.00222	PASS	
					VH	0.09	0.00013	PASS	
			HCH	TN	VL	-0.93	-0.0013	PASS	
					VN	0.09	0.00013	PASS	
					VH	-0.5	-0.0007	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		3	LCH	TN	VL	-1.43	-0.00204	PASS	
					VN	8.11	0.01158	PASS	
					VH	11.17	0.01595	PASS	
			MCH	TN	VL	-6.28	-0.00888	PASS	
					VN	-7.58	-0.01071	PASS	
					VH	-2.66	-0.00376	PASS	
			HCH	TN	VL	9.96	0.01394	PASS	
					VN	0.79	0.00111	PASS	
					VH	0.54	0.00076	PASS	
		5	LCH	TN	VL	-2.39	-0.00341	PASS	
					VN	0.23	0.00033	PASS	
					VH	-2.73	-0.00389	PASS	
			MCH	TN	VL	-2.09	-0.00295	PASS	
					VN	0.54	0.00076	PASS	
					VH	-1.12	-0.00158	PASS	
			HCH	TN	VL	-1.06	-0.00149	PASS	
					VN	13	0.01822	PASS	
					VH	-1.83	-0.00256	PASS	
		10	LCH	TN	VL	41.13	0.05842	PASS	
					VN	25.15	0.03572	PASS	
					VH	34.83	0.04947	PASS	
			MCH	TN	VL	11.04	0.0156	PASS	
					VN	6.82	0.00964	PASS	
					VH	0.93	0.00131	PASS	
			HCH	TN	VL	9.14	0.01286	PASS	
					VN	-1.16	-0.00163	PASS	
					VH	-0.87	-0.00122	PASS	
		LTE/TM2	1.4	LCH	TN	VL	-0.7	-0.001	PASS
						VN	-1.1	-0.00157	PASS
						VH	-0.99	-0.00141	PASS
				MCH	TN	VL	0.37	0.00052	PASS
						VN	0.93	0.00131	PASS
						VH	1.27	0.0018	PASS
				HCH	TN	VL	0.13	0.00018	PASS
						VN	-0.26	-0.00036	PASS
						VH	-0.54	-0.00075	PASS
3	LCH		TN	VL	1.42	0.00203	PASS		
				VN	-19.07	-0.02722	PASS		
				VH	-19.77	-0.02822	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
			MCH	TN	VL	-2.59	-0.00366	PASS		
					VN	-7.15	-0.01011	PASS		
					VH	-5.66	-0.008	PASS		
			HCH	TN	VL	6.97	0.00976	PASS		
					VN	1.44	0.00202	PASS		
					VH	2.29	0.00321	PASS		
			5	LCH	TN	VL	-1.56	-0.00222	PASS	
						VN	-1.49	-0.00212	PASS	
						VH	-0.2	-0.00029	PASS	
		MCH		TN	VL	-1.53	-0.00216	PASS		
					VN	0.79	0.00112	PASS		
					VH	4.33	0.00612	PASS		
		HCH	TN	VL	3.88	0.00544	PASS			
				VN	4.29	0.00601	PASS			
				VH	-1.06	-0.00149	PASS			
		10	LCH	TN	VL	-4.15	-0.00589	PASS		
					VN	2.03	0.00288	PASS		
					VH	-1.46	-0.00207	PASS		
			MCH	TN	VL	-5.68	-0.00803	PASS		
					VN	-8.37	-0.01183	PASS		
					VH	-9.13	-0.0129	PASS		
			HCH	TN	VL	-1.9	-0.00267	PASS		
					VN	4.86	0.00684	PASS		
					VH	5.66	0.00796	PASS		
		BAND17	LTE/TM1	5	LCH	TN	VL	0.83	0.00117	PASS
							VN	-8.67	-0.01227	PASS
							VH	-6.25	-0.00885	PASS
MCH	TN				VL	-0.72	-0.00101	PASS		
					VN	-5.22	-0.00735	PASS		
					VH	6.61	0.00931	PASS		
HCH	TN				VL	2.39	0.00335	PASS		
					VN	-2.89	-0.00405	PASS		
					VH	1.23	0.00172	PASS		
10	LCH			TN	VL	6.72	0.00948	PASS		
					VN	7.97	0.01124	PASS		
					VH	6.39	0.00901	PASS		
	MCH			TN	VL	-1.6	-0.00225	PASS		
					VN	3.38	0.00476	PASS		
					VH	-8.37	-0.01179	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
	LTE/TM2	5	HCH	TN	VL	-16.57	-0.02331	PASS		
					VN	-8.83	-0.01242	PASS		
					VH	-31.93	-0.04491	PASS		
			LCH	TN	VL	0.8	0.00113	PASS		
					VN	-1.86	-0.00263	PASS		
					VH	-1.86	-0.00263	PASS		
					MCH	TN	VL	-0.64	-0.0009	PASS
							VN	-2.72	-0.00383	PASS
							VH	-0.5	-0.0007	PASS
		HCH	TN	VL	-0.36	-0.0005	PASS			
				VN	-8.21	-0.01151	PASS			
				VH	-0.51	-0.00071	PASS			
		10	LCH	TN	VL	2.02	0.00285	PASS		
					VN	1.52	0.00214	PASS		
					VH	0.96	0.00135	PASS		
			MCH	TN	VL	0.24	0.00034	PASS		
					VN	-4.38	-0.00617	PASS		
					VH	1.4	0.00197	PASS		
	HCH		TN	VL	-7.85	-0.01104	PASS			
				VN	-13.69	-0.01925	PASS			
				VH	-9.04	-0.01271	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	1.4	LCH	TN	VL	2.55	0.00309	PASS
					VN	-8.73	-0.01059	PASS
					VH	-2.62	-0.00318	PASS
			MCH	TN	VL	3.16	0.00378	PASS
					VN	-2.99	-0.00357	PASS
					VH	8.21	0.00981	PASS
			HCH	TN	VL	8.74	0.0103	PASS
					VN	6.04	0.00712	PASS
					VH	6.65	0.00784	PASS
		3	LCH	TN	VL	1.66	0.00201	PASS
					VN	-13.02	-0.01577	PASS
					VH	-5.28	-0.0064	PASS
			MCH	TN	VL	-2.96	-0.00354	PASS
					VN	-11.42	-0.01365	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		5	HCH	TN	VH	-5.78	-0.00691	PASS		
					VL	-0.27	-0.00032	PASS		
					VN	-3	-0.00354	PASS		
					VH	4.06	0.00479	PASS		
			LCH	TN	VL	-6.49	-0.00785	PASS		
					VN	-0.23	-0.00028	PASS		
					VH	1.82	0.0022	PASS		
				MCH	TN	VL	2.89	0.00345	PASS	
						VN	-2.32	-0.00277	PASS	
						VH	-1.14	-0.00136	PASS	
			HCH	TN	VL	8.75	0.01034	PASS		
					VN	-0.83	-0.00098	PASS		
		VH			-0.19	-0.00022	PASS			
		10		LCH	TN	VL	-10.19	-0.01229	PASS	
						VN	-2.45	-0.00296	PASS	
						VH	-21.93	-0.02645	PASS	
			MCH	TN	VL	2.45	0.00293	PASS		
					VN	40.31	0.04819	PASS		
					VH	-9.17	-0.01096	PASS		
		HCH	TN	VL	-0.19	-0.00023	PASS			
				VN	-0.72	-0.00085	PASS			
				VH	-0.69	-0.00082	PASS			
		LTE/TM2	1.4	LCH	TN	VL	-16.41	-0.0199	PASS	
						VN	1.89	0.00229	PASS	
						VH	11.32	0.01373	PASS	
				MCH	TN	VL	-1.65	-0.00197	PASS	
						VN	-11.99	-0.01433	PASS	
						VH	20.31	0.02428	PASS	
				HCH	TN	VL	-9.37	-0.01105	PASS	
						VN	0.51	0.0006	PASS	
						VH	-3.33	-0.00393	PASS	
				3	LCH	TN	VL	-19.77	-0.02395	PASS
							VN	-2.6	-0.00315	PASS
							VH	0.29	0.00035	PASS
			MCH		TN	VL	3.05	0.00365	PASS	
						VN	-8.88	-0.01062	PASS	
						VH	2.23	0.00267	PASS	
			HCH	TN	VL	1.42	0.00168	PASS		
					VN	-2.3	-0.00271	PASS		
					VH					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	0.04	0.00005	PASS
		5	LCH	TN	VL	1.37	0.00166	PASS
					VN	0.67	0.00081	PASS
					VH	2.25	0.00272	PASS
			MCH	TN	VL	1.27	0.00152	PASS
					VN	-5.48	-0.00655	PASS
					VH	9.77	0.01168	PASS
			HCH	TN	VL	0.1	0.00012	PASS
					VN	3.13	0.0037	PASS
					VH	-2.75	-0.00325	PASS
		10	LCH	TN	VL	-23.92	-0.02885	PASS
					VN	-8.87	-0.0107	PASS
					VH	-9.9	-0.01194	PASS
			MCH	TN	VL	7.68	0.00918	PASS
					VN	34.46	0.0412	PASS
					VH	-17.18	-0.02054	PASS
			HCH	TN	VL	1.03	0.00122	PASS
					VN	-2.53	-0.003	PASS
					VH	-0.13	-0.00015	PASS

8.3.2 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
BAND2	LTE/TM1	1.4	LCH	VN	-30	1.12	0.00061	PASS
					-20	0.09	0.00005	PASS
					-10	-0.5	-0.00027	PASS
					0	-0.93	-0.0005	PASS
					10	-2.06	-0.00111	PASS
					20	1.87	0.00101	PASS
					30	0.3	0.00016	PASS
					40	0.49	0.00026	PASS
			50	-6.11	-0.0033	PASS		
			MCH	VN	-30	-1.49	-0.00079	PASS
					-20	-8.4	-0.00447	PASS
					-10	-58.29	-0.03101	PASS
					0	-7.2	-0.00383	PASS
					10	-7.93	-0.00422	PASS
					20	1.33	0.00071	PASS
					30	-5.65	-0.00301	PASS
					40	-40.86	-0.02173	PASS
			50	-4.03	-0.00214	PASS		
			HCH	VN	-30	-3.32	-0.00174	PASS
					-20	-9.8	-0.00513	PASS
					-10	12.72	0.00666	PASS
					0	-4.55	-0.00238	PASS
					10	-4.39	-0.0023	PASS
					20	-38.14	-0.01998	PASS
		30			2.07	0.00108	PASS	
		40			-0.36	-0.00019	PASS	
		50	-0.41	-0.00021	PASS			
		3	LCH	VN	-30	1.7	0.00092	PASS
					-20	-0.74	-0.0004	PASS
					-10	-1.07	-0.00058	PASS
0	-38.37				-0.02072	PASS		
10	-3.59				-0.00194	PASS		
20	-2.7				-0.00146	PASS		
30	1.95				0.00105	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	-1.8	-0.00097	PASS	
					50	-3.33	-0.0018	PASS	
			MCH	VN	-30	-2.43	-0.00129	PASS	
					-20	-4.35	-0.00231	PASS	
					-10	2.69	0.00143	PASS	
					0	-50.28	-0.02674	PASS	
					10	-7.57	-0.00403	PASS	
					20	-2.43	-0.00129	PASS	
					30	0.36	0.00019	PASS	
					40	0.07	0.00004	PASS	
					50	0.4	0.00021	PASS	
					HCH	VN	-30	-0.4	-0.00021
			-20	-3.29			-0.00172	PASS	
			-10	-10.23			-0.00536	PASS	
			0	-8.87			-0.00465	PASS	
			10	-1.86			-0.00097	PASS	
			20	-1.53			-0.0008	PASS	
			30	-1.34			-0.0007	PASS	
		40	0.67	0.00035			PASS		
		5		LCH	VN	-30	-1.09	-0.00059	PASS
						-20	-44.42	-0.02398	PASS
						-10	1.69	0.00091	PASS
						0	0.44	0.00024	PASS
						10	-0.69	-0.00037	PASS
						20	-82.86	-0.04473	PASS
						30	1.57	0.00085	PASS
						40	-2.68	-0.00145	PASS
				50	-1.02	-0.00055	PASS		
				MCH	VN	-30	-1.73	-0.00092	PASS
						-20	-70.04	-0.03726	PASS
						-10	-2.75	-0.00146	PASS
						0	0.06	0.00003	PASS
						10	-2.12	-0.00113	PASS
20	-1.22					-0.00065	PASS		
30	0.77	0.00041	PASS						
40	-27.05	-0.01439	PASS						
50	-1.4	-0.00074	PASS						
HCH	VN	-30	-60.54	-0.03174	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-2.03	-0.00106	PASS
					-10	-30.24	-0.01585	PASS
					0	-23.99	-0.01258	PASS
					10	-7.51	-0.00394	PASS
					20	-2.73	-0.00143	PASS
					30	-3.32	-0.00174	PASS
					40	-2.23	-0.00117	PASS
					50	-76.43	-0.04007	PASS
		10	LCH	VN	-30	-0.79	-0.00043	PASS
					-20	-5.21	-0.00281	PASS
					-10	-2.1	-0.00113	PASS
					0	-1.03	-0.00056	PASS
					10	-3.52	-0.0019	PASS
					20	-1.4	-0.00075	PASS
					30	-0.66	-0.00036	PASS
					40	-2.12	-0.00114	PASS
			MCH	VN	-30	-1.92	-0.00102	PASS
					-20	-5.08	-0.0027	PASS
					-10	1.2	0.00064	PASS
					0	-2.07	-0.0011	PASS
					10	-3.79	-0.00202	PASS
					20	-3.13	-0.00166	PASS
					30	-0.23	-0.00012	PASS
					40	-0.43	-0.00023	PASS
			HCH	VN	-30	-0.13	-0.00007	PASS
					-20	-0.2	-0.0001	PASS
					-10	-0.47	-0.00025	PASS
					0	-3.71	-0.00195	PASS
					10	0.57	0.0003	PASS
					20	-0.31	-0.00016	PASS
					30	-0.8	-0.00042	PASS
					40	0.19	0.0001	PASS
		15	LCH	VN	-30	-2.27	-0.00122	PASS
					-20	-2.6	-0.0014	PASS
					-10	-2.27	-0.00122	PASS
					0	-4.12	-0.00222	PASS





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	-4.63	-0.00246	PASS	
					50	-2.93	-0.00156	PASS	
			HCH	VN	-30	2.47	0.0013	PASS	
					-20	-0.43	-0.00023	PASS	
					-10	2.43	0.00128	PASS	
					0	0.82	0.00043	PASS	
					10	1.33	0.0007	PASS	
					20	0.3	0.00016	PASS	
					30	-0.13	-0.00007	PASS	
					40	3.59	0.00189	PASS	
	50	3.59	0.00189	PASS					
	LTE/TM2	1.4	LCH	VN	-30	-2.47	-0.00133	PASS	
					-20	-0.21	-0.00011	PASS	
					-10	-11.37	-0.00614	PASS	
					0	-4.56	-0.00246	PASS	
					10	-11.94	-0.00645	PASS	
					20	-6.65	-0.00359	PASS	
					30	-1.96	-0.00106	PASS	
					40	-0.59	-0.00032	PASS	
					50	-0.23	-0.00012	PASS	
					MCH	VN	-30	-7.5	-0.00399
			-20	3.06			0.00163	PASS	
			-10	-5.66			-0.00301	PASS	
			0	-12.45			-0.00662	PASS	
			10	9.17			0.00488	PASS	
			20	-0.84			-0.00045	PASS	
			30	1.65			0.00088	PASS	
			40	-44.73			-0.02379	PASS	
			50	-2.15			-0.00114	PASS	
			HCH	VN			-30	-3.38	-0.00177
					-20	-9.3	-0.00487	PASS	
					-10	0.39	0.0002	PASS	
					0	-0.73	-0.00038	PASS	
					10	-0.39	-0.0002	PASS	
					20	0.4	0.00021	PASS	
					30	6.41	0.00336	PASS	
					40	-5.89	-0.00308	PASS	
					50	-1.76	-0.00092	PASS	
					3	LCH	VN	-30	-3.79



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		5			-20	-3.66	-0.00198	PASS	
					-10	-1.16	-0.00063	PASS	
					0	-14.86	-0.00803	PASS	
					10	-0.72	-0.00039	PASS	
					20	-2.79	-0.00151	PASS	
					30	-2.66	-0.00144	PASS	
					40	-1.9	-0.00103	PASS	
					50	-3.35	-0.00181	PASS	
			MCH	VN	-30	-2.16	-0.00115	PASS	
					-20	-2.06	-0.0011	PASS	
					-10	0.16	0.00009	PASS	
					0	-41.04	-0.02183	PASS	
					10	0.3	0.00016	PASS	
					20	-5.52	-0.00294	PASS	
					30	0.3	0.00016	PASS	
					40	-0.43	-0.00023	PASS	
			HCH	VN	-30	0.82	0.00043	PASS	
					-20	0.89	0.00047	PASS	
					-10	-1.34	-0.0007	PASS	
					0	-12.23	-0.00641	PASS	
					10	0.06	0.00003	PASS	
					20	-2.73	-0.00143	PASS	
					30	-1.16	-0.00061	PASS	
					40	0.63	0.00033	PASS	
			5	LCH	VN	-30	-2.92	-0.00158	PASS
						-20	0.23	0.00012	PASS
						-10	-2.15	-0.00116	PASS
						0	-44.56	-0.02405	PASS
		10				-2.36	-0.00127	PASS	
		20				1.27	0.00069	PASS	
		30				0.04	0.00002	PASS	
		40				-0.53	-0.00029	PASS	
		MCH		VN	-30	-0.27	-0.00014	PASS	
					-20	-80.05	-0.04258	PASS	
					-10	0.21	0.00011	PASS	
					0	-2.43	-0.00129	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-0.41	-0.00022	PASS		
					20	-0.9	-0.00048	PASS		
					30	0.76	0.0004	PASS		
					40	0.94	0.0005	PASS		
					50	-1.29	-0.00069	PASS		
			HCH	VN	-30	-46.28	-0.02426	PASS		
					-20	-39.63	-0.02078	PASS		
					-10	-43.79	-0.02296	PASS		
					0	-29.94	-0.0157	PASS		
					10	-3.09	-0.00162	PASS		
					20	-0.24	-0.00013	PASS		
					30	-43.22	-0.02266	PASS		
					40	-0.37	-0.00019	PASS		
					50	-0.19	-0.0001	PASS		
					LCH	VN	-30	-7.32	-0.00395	PASS
							-20	-3.16	-0.0017	PASS
							-10	-2.3	-0.00124	PASS
							0	-3.85	-0.00208	PASS
							10	-5.45	-0.00294	PASS
							20	-1.47	-0.00079	PASS
		30	-4.92	-0.00265			PASS			
		40	-7.93	-0.00427			PASS			
		50	-1.44	-0.00078			PASS			
		MCH	VN	-30			-4.21	-0.00224	PASS	
				-20	-2.06	-0.0011	PASS			
				-10	-1.8	-0.00096	PASS			
				0	-0.62	-0.00033	PASS			
				10	-0.09	-0.00005	PASS			
				20	-0.37	-0.0002	PASS			
				30	-2.56	-0.00136	PASS			
				40	-0.86	-0.00046	PASS			
				50	-0.01	-0.00001	PASS			
				HCH	VN	-30	-0.23	-0.00012	PASS	
		-20	1.14			0.0006	PASS			
		-10	-1.24			-0.00065	PASS			
		0	-0.1			-0.00005	PASS			
		10	-0.04			-0.00002	PASS			
		20	-0.66			-0.00035	PASS			
		30	-2.59			-0.00136	PASS			
		10					-30	-7.32	-0.00395	PASS
-20	-3.16						-0.0017	PASS		
-10	-2.3						-0.00124	PASS		
0	-3.85						-0.00208	PASS		
10	-5.45						-0.00294	PASS		
LCH	VN				20	-1.47	-0.00079	PASS		
					30	-4.92	-0.00265	PASS		
					40	-7.93	-0.00427	PASS		
					50	-1.44	-0.00078	PASS		
					MCH	VN	-30	-4.21	-0.00224	PASS
-20	-2.06			-0.0011			PASS			
-10	-1.8			-0.00096			PASS			
0	-0.62			-0.00033			PASS			
10	-0.09			-0.00005			PASS			
HCH	VN			20	-0.37	-0.0002	PASS			
				30	-2.56	-0.00136	PASS			
				40	-0.86	-0.00046	PASS			
				50	-0.01	-0.00001	PASS			
				-30	-0.23	-0.00012	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	0.79	0.00041	PASS
					50	0.62	0.00033	PASS
		15	LCH	VN	-30	-0.79	-0.00043	PASS
					-20	-1.06	-0.00057	PASS
					-10	-1.12	-0.0006	PASS
					0	-1.73	-0.00093	PASS
					10	-3.39	-0.00183	PASS
					20	-6.17	-0.00332	PASS
					30	2	0.00108	PASS
					40	-1.04	-0.00056	PASS
					50	-3.22	-0.00173	PASS
			MCH	VN	-30	-3.72	-0.00198	PASS
					-20	-2.27	-0.00121	PASS
					-10	-1.26	-0.00067	PASS
					0	-2.86	-0.00152	PASS
					10	-0.96	-0.00051	PASS
					20	-1.66	-0.00088	PASS
					30	-0.67	-0.00036	PASS
					40	-3.59	-0.00191	PASS
					50	-1.87	-0.00099	PASS
		HCH	VN	-30	-2.12	-0.00111	PASS	
				-20	-2.85	-0.0015	PASS	
				-10	-0.69	-0.00036	PASS	
				0	-2.57	-0.00135	PASS	
				10	-3.28	-0.00172	PASS	
				20	0.14	0.00007	PASS	
				30	-0.53	-0.00028	PASS	
				40	-2.32	-0.00122	PASS	
		20	LCH	VN	-30	-3.23	-0.00174	PASS
					-20	-6.44	-0.00346	PASS
					-10	-1.77	-0.00095	PASS
					0	1.42	0.00076	PASS
					10	-5.46	-0.00294	PASS
					20	-3.1	-0.00167	PASS
					30	-4.72	-0.00254	PASS
					40	-3.59	-0.00193	PASS
					50	-3.43	-0.00184	PASS
			MCH	VN	-30	-1.8	-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	-1.85	-0.00098	PASS
					-10	-4.36	-0.00232	PASS
					0	-2.96	-0.00157	PASS
					10	-3.68	-0.00196	PASS
					20	-2.36	-0.00126	PASS
					30	-2.09	-0.00111	PASS
					40	-3.08	-0.00164	PASS
					50	-1.9	-0.00101	PASS
			HCH	VN	-30	-1.22	-0.00064	PASS
					-20	-1.17	-0.00062	PASS
					-10	-3.48	-0.00183	PASS
					0	0.56	0.00029	PASS
					10	-2.07	-0.00109	PASS
					20	-1.49	-0.00078	PASS
					30	-0.87	-0.00046	PASS
					40	-1.34	-0.00071	PASS
50	-2.36	-0.00124	PASS					

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	7.02	0.0041	PASS
					-20	12.83	0.0075	PASS
					-10	-4.72	-0.00276	PASS
					0	40.37	0.0236	PASS
					10	11.97	0.007	PASS
					20	-18.97	-0.01109	PASS
					30	37.49	0.02192	PASS
					40	15.58	0.00911	PASS
			50	42.44	0.02481	PASS		
			MCH	VN	-30	7.82	0.00451	PASS
					-20	-1.02	-0.00059	PASS
					-10	3	0.00173	PASS
					0	-7.45	-0.0043	PASS
					10	-6.14	-0.00354	PASS
					20	-5.11	-0.00295	PASS
					30	2.09	0.00121	PASS
40	-6.51	-0.00376			PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	50	-11.89	-0.00686	PASS
					-30	-4.08	-0.00233	PASS
					-20	-1.44	-0.00082	PASS
					-10	-5.94	-0.00339	PASS
					0	-4.79	-0.00273	PASS
					10	-11.32	-0.00645	PASS
					20	-2.43	-0.00139	PASS
					30	-6.79	-0.00387	PASS
					40	-1.06	-0.0006	PASS
					50	-3.22	-0.00184	PASS
		3	LCH	VN	-30	-0.3	-0.00018	PASS
					-20	3.05	0.00178	PASS
					-10	4.68	0.00273	PASS
					0	0.9	0.00053	PASS
					10	11.37	0.00664	PASS
					20	-6.58	-0.00384	PASS
					30	18.78	0.01097	PASS
					40	14.25	0.00833	PASS
			50	2.2	0.00129	PASS		
			MCH	VN	-30	-1.56	-0.0009	PASS
					-20	-1.17	-0.00068	PASS
					-10	-3.32	-0.00192	PASS
					0	-0.21	-0.00012	PASS
					10	3.98	0.0023	PASS
					20	-0.07	-0.00004	PASS
					30	2.17	0.00125	PASS
					40	-3.3	-0.0019	PASS
			HCH	VN	-30	-0.57	-0.00033	PASS
		-20			-0.47	-0.00027	PASS	
		-10			-0.87	-0.0005	PASS	
		0			0.62	0.00035	PASS	
		10			2.33	0.00133	PASS	
		20			-2.55	-0.00145	PASS	
		30			0.96	0.00055	PASS	
		40			-4.55	-0.00259	PASS	
		5	LCH	VN	-30	15.39	0.00899	PASS
					-20	5.92	0.00346	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	5.59	0.00326	PASS
					0	5.65	0.0033	PASS
					10	2.45	0.00143	PASS
					20	-2	-0.00117	PASS
					30	-0.67	-0.00039	PASS
					40	2.49	0.00145	PASS
					50	1.89	0.0011	PASS
			MCH	VN	-30	-1.2	-0.00069	PASS
					-20	4.33	0.0025	PASS
					-10	4.46	0.00257	PASS
					0	1.2	0.00069	PASS
					10	2	0.00115	PASS
					20	-1.46	-0.00084	PASS
					30	2.65	0.00153	PASS
			HCH	VN	40	-1.13	-0.00065	PASS
					50	1.85	0.00107	PASS
					-30	-1.69	-0.00096	PASS
					-20	0.2	0.00011	PASS
					-10	-29.15	-0.01663	PASS
					0	-0.64	-0.00037	PASS
					10	-10.5	-0.00599	PASS
			LCH	VN	20	0.99	0.00056	PASS
					30	-0.74	-0.00042	PASS
					40	-7.54	-0.0043	PASS
					50	-0.06	-0.00003	PASS
					-30	-7.68	-0.00448	PASS
					-20	-3.19	-0.00186	PASS
					-10	0.31	0.00018	PASS
			MCH	VN	0	-7.11	-0.00415	PASS
					10	-1.97	-0.00115	PASS
					20	-0.6	-0.00035	PASS
					30	-5.52	-0.00322	PASS
					40	-2.15	-0.00125	PASS
					50	0.33	0.00019	PASS
					-30	-1.7	-0.00098	PASS
			MCH	VN	-20	-0.29	-0.00017	PASS
-10	-0.07	-0.00004			PASS			
0	-3.18	-0.00184			PASS			
10	-2.22	-0.00128			PASS			
10	-2.22	-0.00128			PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-0.79	-0.00046	PASS
					30	-5.95	-0.00343	PASS
					40	-3.23	-0.00186	PASS
					50	5.02	0.0029	PASS
			HCH	VN	-30	-1.39	-0.00079	PASS
					-20	-0.69	-0.00039	PASS
					-10	-1.14	-0.00065	PASS
					0	2.35	0.00134	PASS
					10	-1.04	-0.00059	PASS
					20	-1.47	-0.00084	PASS
					30	-4.08	-0.00233	PASS
					40	-1.39	-0.00079	PASS
			LCH	VN	50	-1.73	-0.00099	PASS
					-30	-10.99	-0.0064	PASS
					-20	4.92	0.00286	PASS
					-10	21.51	0.01252	PASS
		0			31.56	0.01838	PASS	
		10			-4.68	-0.00272	PASS	
		20			-10.73	-0.00625	PASS	
		30			-14.81	-0.00862	PASS	
		MCH	VN	40	-6.45	-0.00376	PASS	
				50	16.68	0.00971	PASS	
				-30	-0.24	-0.00014	PASS	
				-20	-0.89	-0.00051	PASS	
				-10	-2.57	-0.00148	PASS	
				0	-3.2	-0.00185	PASS	
				10	-2.35	-0.00136	PASS	
				20	1.09	0.00063	PASS	
		HCH	VN	30	-2.33	-0.00134	PASS	
				40	-1.44	-0.00083	PASS	
				50	-1.85	-0.00107	PASS	
				-30	1.57	0.0009	PASS	
-20	24.92			0.01426	PASS			
-10	24.6			0.01408	PASS			
0	-14.61			-0.00836	PASS			
10	12.8			0.00732	PASS			
		15			20	-10.49	-0.006	PASS
					30	47.04	0.02692	PASS
					40	53.59	0.03067	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20	LCH	VN	50	14.91	0.00853	PASS
					-30	47.75	0.02776	PASS
					-20	-18.9	-0.01099	PASS
					-10	-8.18	-0.00476	PASS
					0	-8.38	-0.00487	PASS
					10	-20.53	-0.01194	PASS
					20	-1.14	-0.00066	PASS
					30	-0.74	-0.00043	PASS
					40	-4.39	-0.00255	PASS
			50	3.89	0.00226	PASS		
			MCH	VN	-30	8.34	0.00481	PASS
					-20	0.33	0.00019	PASS
					-10	7.55	0.00436	PASS
					0	1.99	0.00115	PASS
					10	3.78	0.00218	PASS
					20	8.13	0.00469	PASS
					30	2.02	0.00117	PASS
					40	7.74	0.00447	PASS
			HCH	VN	50	1.42	0.00082	PASS
					-30	-3.98	-0.00228	PASS
					-20	4.92	0.00282	PASS
					-10	-10.2	-0.00585	PASS
					0	-4.39	-0.00252	PASS
					10	-2.16	-0.00124	PASS
	20	1.73			0.00099	PASS		
	30	-3.81			-0.00218	PASS		
	LTE/TM2	LCH	VN	-30	-7.44	-0.00435	PASS	
				-20	22.95	0.01342	PASS	
				-10	9.43	0.00551	PASS	
				0	-13.95	-0.00815	PASS	
				10	-4.96	-0.0029	PASS	
				20	-1.56	-0.00091	PASS	
				30	-15.21	-0.00889	PASS	
				40	-9.68	-0.00566	PASS	
				50	-12.55	-0.00734	PASS	
		MCH	VN	-30	-1.77	-0.00102	PASS	
	-20	3.16	0.00182	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-2.03	-0.00117	PASS		
					0	28.18	0.01627	PASS		
					10	-7.24	-0.00418	PASS		
					20	-3.85	-0.00222	PASS		
					30	-2.5	-0.00144	PASS		
					40	0.82	0.00047	PASS		
			50	4.81	0.00278	PASS				
			HCH	VN	-30	-0.7	-0.0004	PASS		
					-20	-2.03	-0.00116	PASS		
					-10	-1.4	-0.0008	PASS		
					0	-5.62	-0.0032	PASS		
					10	-2.46	-0.0014	PASS		
					20	-2.7	-0.00154	PASS		
			LCH	VN	30	-5.52	-0.00315	PASS		
					40	2.83	0.00161	PASS		
					50	-6.88	-0.00392	PASS		
					-30	-1	-0.00058	PASS		
					-20	3	0.00175	PASS		
		-10			0.83	0.00048	PASS			
		MCH	VN	0	-3.03	-0.00177	PASS			
				10	-4.33	-0.00253	PASS			
				20	0.54	0.00032	PASS			
				30	-5.62	-0.00328	PASS			
				40	-0.5	-0.00029	PASS			
				50	-2.15	-0.00126	PASS			
		HCH	VN	-30	2.65	0.00153	PASS			
				-20	-1.75	-0.00101	PASS			
				-10	1.56	0.0009	PASS			
				0	11.26	0.0065	PASS			
				10	-2.1	-0.00121	PASS			
				20	-1.06	-0.00061	PASS			
		3					30	3.92	0.00226	PASS
							40	-0.96	-0.00055	PASS
							50	-1.44	-0.00083	PASS
							-30	2.65	0.00151	PASS
							-20	4.28	0.00244	PASS
					-10	-11.67	-0.00666	PASS		
					0	2.15	0.00123	PASS		
					10	4.49	0.00256	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-0.9	-0.00051	PASS		
					30	-0.01	-0.00001	PASS		
					40	0.83	0.00047	PASS		
					50	-6.35	-0.00362	PASS		
		5	LCH	VN	-30	-15.02	-0.00877	PASS		
					-20	-1.6	-0.00093	PASS		
					-10	1.32	0.00077	PASS		
					0	-20.4	-0.01191	PASS		
					10	-1.37	-0.0008	PASS		
					20	-2.5	-0.00146	PASS		
					30	-1.34	-0.00078	PASS		
					40	2.59	0.00151	PASS		
					50	-2.17	-0.00127	PASS		
					MCH	VN	-30	2.65	0.00153	PASS
							-20	-2.73	-0.00158	PASS
							-10	1.43	0.00083	PASS
			0	-1.43			-0.00083	PASS		
			10	1.42			0.00082	PASS		
			20	-3.96			-0.00229	PASS		
			30	2			0.00115	PASS		
			40	-0.17			-0.0001	PASS		
			HCH	VN	-30	-6.32	-0.00361	PASS		
					-20	-0.46	-0.00026	PASS		
					-10	-2.49	-0.00142	PASS		
					0	-0.34	-0.00019	PASS		
					10	-4.69	-0.00268	PASS		
					20	0.87	0.0005	PASS		
					30	-2.52	-0.00144	PASS		
					40	-2.02	-0.00115	PASS		
			10	LCH	VN	-30	-2.8	-0.00163	PASS	
						-20	3.33	0.00194	PASS	
						-10	7.37	0.0043	PASS	
0	0.69	0.0004				PASS				
10	-0.53	-0.00031				PASS				
20	-0.1	-0.00006				PASS				
30	1.3	0.00076				PASS				
40	1.93	0.00113				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	-1.17	-0.00068	PASS
					-30	0.29	0.00017	PASS
					-20	1.24	0.00072	PASS
					-10	-0.01	-0.00001	PASS
					0	3.68	0.00212	PASS
					10	4.75	0.00274	PASS
					20	1.57	0.00091	PASS
					30	2.99	0.00173	PASS
					40	5.16	0.00298	PASS
					50	2.66	0.00154	PASS
			HCH	VN	-30	0.03	0.00002	PASS
					-20	1.67	0.00095	PASS
					-10	-1.06	-0.00061	PASS
					0	0.6	0.00034	PASS
					10	-0.31	-0.00018	PASS
					20	0.13	0.00007	PASS
					30	-0.31	-0.00018	PASS
					40	8.47	0.00484	PASS
		50	-1.14	-0.00065	PASS			
		15	LCH	VN	-30	-0.26	-0.00015	PASS
					-20	1.24	0.00072	PASS
					-10	-8.94	-0.00521	PASS
					0	1.03	0.0006	PASS
					10	-5.36	-0.00312	PASS
					20	-41.51	-0.02417	PASS
					30	-1.46	-0.00085	PASS
					40	-7.81	-0.00455	PASS
					50	-2.29	-0.00133	PASS
			MCH	VN	-30	0.36	0.00021	PASS
					-20	0.27	0.00016	PASS
					-10	0.41	0.00024	PASS
					0	-1.14	-0.00066	PASS
					10	0.62	0.00036	PASS
					20	0.66	0.00038	PASS
					30	-0.93	-0.00054	PASS
					40	2.16	0.00125	PASS
			50	1.46	0.00084	PASS		
		HCH	VN	-30	-30.11	-0.01723	PASS	
				-20	43.44	0.02486	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-24.18	-0.01384	PASS
					0	44.82	0.02565	PASS
					10	110.08	0.06299	PASS
					20	-1	-0.00057	PASS
					30	-17.4	-0.00996	PASS
					40	-22.23	-0.01272	PASS
					50	-84.07	-0.04811	PASS
		20	LCH	VN	-30	-2.47	-0.00144	PASS
					-20	-13.59	-0.0079	PASS
					-10	-4.03	-0.00234	PASS
					0	8.07	0.00469	PASS
					10	-3.91	-0.00227	PASS
					20	-4.21	-0.00245	PASS
					30	10.19	0.00592	PASS
					40	2.57	0.00149	PASS
					50	-0.74	-0.00043	PASS
			MCH	VN	-30	-1.67	-0.00096	PASS
					-20	2.56	0.00148	PASS
					-10	0.4	0.00023	PASS
					0	4.32	0.00249	PASS
					10	3.26	0.00188	PASS
					20	-1.32	-0.00076	PASS
					30	-1.33	-0.00077	PASS
					40	-0.93	-0.00054	PASS
			HCH	VN	-30	-6.58	-0.00377	PASS
					-20	-13.79	-0.0079	PASS
					-10	-2.75	-0.00158	PASS
					0	-5.38	-0.00308	PASS
		10			-1.09	-0.00062	PASS	
		20			-1.67	-0.00096	PASS	
		30			-4.78	-0.00274	PASS	
		40			-4.52	-0.00259	PASS	
		50	-7.61	-0.00436	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	1.4	LCH	VN	-30	4.56	0.00553	PASS
					-20	5.38	0.00652	PASS
					-10	0.87	0.00105	PASS
					0	-11.74	-0.01424	PASS
					10	9.77	0.01185	PASS
					20	5.52	0.00669	PASS
					30	-15.26	-0.0185	PASS
					40	-11.94	-0.01448	PASS
					50	-5.91	-0.00717	PASS
			MCH	VN	-30	-1.57	-0.00188	PASS
					-20	-2.49	-0.00298	PASS
					-10	-5.66	-0.00677	PASS
					0	0.24	0.00029	PASS
					10	1.77	0.00212	PASS
					20	7.48	0.00894	PASS
					30	-3.16	-0.00378	PASS
					40	2.86	0.00342	PASS
					50	11.33	0.01354	PASS
		HCH	VN	-30	14.13	0.01666	PASS	
				-20	15.86	0.0187	PASS	
				-10	-6.55	-0.00772	PASS	
				0	-10.5	-0.01238	PASS	
				10	-10.36	-0.01221	PASS	
				20	-6.72	-0.00792	PASS	
				30	-6.94	-0.00818	PASS	
				40	-8.8	-0.01037	PASS	
				50	1	0.00118	PASS	
		3	LCH	VN	-30	-3.26	-0.00395	PASS
					-20	-4.26	-0.00516	PASS
					-10	20.14	0.0244	PASS
					0	9.53	0.01154	PASS
					10	2.25	0.00273	PASS
					20	-9.6	-0.01163	PASS
					30	7.94	0.00962	PASS
					40	-2.5	-0.00303	PASS
					50	-1.63	-0.00197	PASS
MCH	VN		-30	-6.29	-0.00752	PASS		
			-20	-1.44	-0.00172	PASS		
			-10	-2.13	-0.00255	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	3.68	0.0044	PASS
					10	-3.58	-0.00428	PASS
					20	10.19	0.01218	PASS
					30	-3.62	-0.00433	PASS
					40	-10.97	-0.01311	PASS
					50	-8.74	-0.01045	PASS
			HCH	VN	-30	4.18	0.00493	PASS
					-20	0.27	0.00032	PASS
					-10	-7.98	-0.00942	PASS
					0	-0.47	-0.00055	PASS
					10	-8.84	-0.01043	PASS
					20	-0.84	-0.00099	PASS
					30	-2.59	-0.00306	PASS
					40	-1.36	-0.0016	PASS
		50	10.26	0.01211	PASS			
		5	LCH	VN	-30	-0.96	-0.00116	PASS
					-20	2.75	0.00333	PASS
					-10	-2	-0.00242	PASS
					0	3.66	0.00443	PASS
					10	-8.21	-0.00993	PASS
					20	2.26	0.00273	PASS
					30	-2.33	-0.00282	PASS
					40	-7.4	-0.00895	PASS
					50	4.06	0.00491	PASS
			MCH	VN	-30	-4.82	-0.00576	PASS
					-20	3.72	0.00445	PASS
					-10	-6.68	-0.00799	PASS
					0	7.6	0.00909	PASS
					10	-7	-0.00837	PASS
					20	-0.34	-0.00041	PASS
					30	-3.63	-0.00434	PASS
					40	-4.32	-0.00516	PASS
			50	-0.93	-0.00111	PASS		
		HCH	VN	-30	0.59	0.0007	PASS	
				-20	2.92	0.00345	PASS	
				-10	-10.73	-0.01268	PASS	
				0	16.62	0.01963	PASS	
				10	9.96	0.01177	PASS	
				20	0.72	0.00085	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	LCH	VN	30	1.72	0.00203	PASS
					40	4.98	0.00588	PASS
					50	-0.24	-0.00028	PASS
					-30	2.99	0.00361	PASS
					-20	-1.36	-0.00164	PASS
					-10	-0.69	-0.00083	PASS
			0	-3.63	-0.00438	PASS		
			10	0.72	0.00087	PASS		
			20	-14.46	-0.01744	PASS		
			30	-13	-0.01568	PASS		
			40	-6.35	-0.00766	PASS		
			50	-4.59	-0.00554	PASS		
			MCH	VN	-30	-0.47	-0.00056	PASS
					-20	117.93	0.14098	PASS
					-10	125.26	0.14974	PASS
					0	101.72	0.1216	PASS
					10	225.06	0.26905	PASS
					20	62.26	0.07443	PASS
	HCH	VN	30	158.39	0.18935	PASS		
			40	176.17	0.2106	PASS		
			50	61.28	0.07326	PASS		
			-30	-0.76	-0.0009	PASS		
			-20	-0.99	-0.00117	PASS		
			-10	-1.17	-0.00139	PASS		
			0	-0.29	-0.00034	PASS		
			10	0.06	0.00007	PASS		
	LTE/TM2	LCH	1.4	VN	20	-0.47	-0.00056	PASS
					30	1.04	0.00123	PASS
					40	-5.81	-0.00688	PASS
					50	2.4	0.00284	PASS
					-30	-6.41	-0.00777	PASS
					-20	2.9	0.00352	PASS
-10					15.01	0.0182	PASS	
0					12.02	0.01457	PASS	
10					-5.29	-0.00641	PASS	
20					-9.18	-0.01113	PASS	
30	-1.07	-0.0013	PASS					
40	12.37	0.015	PASS					
50	20.08	0.02435	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	-11.79	-0.01409	PASS
					-20	-13.16	-0.01573	PASS
					-10	-7.67	-0.00917	PASS
					0	3.83	0.00458	PASS
					10	-7.67	-0.00917	PASS
					20	-4.43	-0.0053	PASS
					30	5.45	0.00652	PASS
					40	4.81	0.00575	PASS
					50	-0.51	-0.00061	PASS
			HCH	VN	-30	7.65	0.00902	PASS
					-20	-8.41	-0.00991	PASS
					-10	-15.74	-0.01855	PASS
					0	2.1	0.00248	PASS
					10	2.09	0.00246	PASS
					20	8.88	0.01047	PASS
					30	-2.15	-0.00253	PASS
					40	7.8	0.00919	PASS
					50	-6.87	-0.0081	PASS
		3	LCH	VN	-30	14.46	0.01752	PASS
					-20	-13.5	-0.01635	PASS
					-10	26.22	0.03176	PASS
					0	8.83	0.0107	PASS
					10	3.58	0.00434	PASS
					20	-3.15	-0.00382	PASS
					30	45.6	0.05524	PASS
					40	-7.04	-0.00853	PASS
					50	-1.26	-0.00153	PASS
			MCH	VN	-30	8.44	0.01009	PASS
					-20	1.42	0.0017	PASS
					-10	1.37	0.00164	PASS
					0	-2.53	-0.00302	PASS
					10	6.21	0.00742	PASS
					20	-6.27	-0.0075	PASS
					30	4.71	0.00563	PASS
					40	6.82	0.00815	PASS
					50	-9.4	-0.01124	PASS
HCH	VN	-30	-0.8	-0.00094	PASS			
		-20	-3.85	-0.00454	PASS			
		-10	-0.4	-0.00047	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-0.03	-0.00004	PASS		
					10	0.7	0.00083	PASS		
					20	-4.71	-0.00556	PASS		
					30	-1.19	-0.0014	PASS		
					40	-0.46	-0.00054	PASS		
					50	-1.96	-0.00231	PASS		
		5	LCH	VN	-30	12.15	0.0147	PASS		
					-20	5.39	0.00652	PASS		
					-10	8.04	0.00973	PASS		
					0	3.42	0.00414	PASS		
					10	-0.16	-0.00019	PASS		
					20	2.89	0.0035	PASS		
					30	1	0.00121	PASS		
					40	0.79	0.00096	PASS		
					50	2.95	0.00357	PASS		
					MCH	VN	-30	-2.99	-0.00357	PASS
							-20	6.19	0.0074	PASS
							-10	0.96	0.00115	PASS
			0	0.49			0.00059	PASS		
			10	1.93			0.00231	PASS		
			20	3.25			0.00389	PASS		
			30	8.83			0.01056	PASS		
			40	-5.41			-0.00647	PASS		
			HCH	VN	-30	0.26	0.00031	PASS		
					-20	0.86	0.00102	PASS		
					-10	3.33	0.00393	PASS		
					0	-0.53	-0.00063	PASS		
					10	0.04	0.00005	PASS		
					20	0.16	0.00019	PASS		
					30	-0.92	-0.00109	PASS		
		40			1.5	0.00177	PASS			
		10	LCH	VN	50	-8.28	-0.00978	PASS		
					-30	-5.74	-0.00692	PASS		
					-20	-4.18	-0.00504	PASS		
					-10	11.07	0.01335	PASS		
					0	10.47	0.01263	PASS		
10	-3.08				-0.00372	PASS				
			20	-3.03	-0.00366	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-6.54	-0.00789	PASS
					40	0.82	0.00099	PASS
					50	-8.25	-0.00995	PASS
			MCH	VN	-30	-110.64	-0.13227	PASS
					-20	-54.24	-0.06484	PASS
					-10	-8.83	-0.01056	PASS
					0	-6.52	-0.00779	PASS
					10	22.73	0.02717	PASS
					20	-10.47	-0.01252	PASS
					30	48.82	0.05836	PASS
					40	40.41	0.04831	PASS
					50	30.64	0.03663	PASS
			HCH	VN	-30	1.3	0.00154	PASS
					-20	0.13	0.00015	PASS
					-10	0.4	0.00047	PASS
					0	1.16	0.00137	PASS
					10	-0.69	-0.00082	PASS
					20	0.24	0.00028	PASS
					30	-0.31	-0.00037	PASS
					40	2.19	0.00259	PASS
					50	-0.29	-0.00034	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND12	LTE/TM1	1.4	LCH	VN	-30	-1.23	-0.00176	PASS
					-20	-1.17	-0.00167	PASS
					-10	-1.1	-0.00157	PASS
					0	-1.02	-0.00146	PASS
					10	-1.59	-0.00227	PASS
					20	-1.34	-0.00192	PASS
					30	-0.92	-0.00131	PASS
					40	-1.32	-0.00189	PASS
			50	-1.95	-0.00279	PASS		
			MCH	VN	-30	0.97	0.00137	PASS
					-20	0.1	0.00014	PASS
					-10	0.54	0.00076	PASS
					0	0.56	0.00079	PASS
					10	0.31	0.00044	PASS
					20	0.44	0.00062	PASS
					30	0.19	0.00027	PASS
		40			0.37	0.00052	PASS	
		50	0.84	0.00119	PASS			
		HCH	VN	-30	-1.02	-0.00143	PASS	
				-20	0.31	0.00043	PASS	
				-10	-0.06	-0.00008	PASS	
				0	0.37	0.00052	PASS	
				10	-0.99	-0.00138	PASS	
				20	-0.13	-0.00018	PASS	
				30	-0.11	-0.00015	PASS	
				40	-1.3	-0.00182	PASS	
		50	-1.36	-0.0019	PASS			
		3	LCH	VN	-30	-3.79	-0.00541	PASS
					-20	-27.95	-0.0399	PASS
					-10	-8.15	-0.01163	PASS
					0	-14.02	-0.02001	PASS
					10	20.84	0.02975	PASS
20	-12.1				-0.01727	PASS		
30	3.03				0.00433	PASS		
40	6.15				0.00878	PASS		
50	2.55		0.00364	PASS				
MCH	VN		-30	-13	-0.01837	PASS		
		-20	-11.1	-0.01569	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-0.93	-0.00131	PASS
					0	-3.82	-0.0054	PASS
					10	-11.64	-0.01645	PASS
					20	-7.93	-0.01121	PASS
					30	-9.76	-0.0138	PASS
					40	-6.55	-0.00926	PASS
					50	-6.64	-0.00939	PASS
			HCH	VN	-30	0.94	0.00132	PASS
					-20	6.64	0.00929	PASS
					-10	1.54	0.00216	PASS
					0	-2.05	-0.00287	PASS
					10	-4.13	-0.00578	PASS
					20	-2.32	-0.00325	PASS
					30	2.92	0.00409	PASS
		5	LCH	VN	-30	-0.73	-0.00104	PASS
					-20	-0.43	-0.00061	PASS
					-10	0.17	0.00024	PASS
					0	-5.22	-0.00744	PASS
					10	-2.46	-0.00351	PASS
					20	-5.05	-0.0072	PASS
					30	-8.31	-0.01185	PASS
					40	-4.92	-0.00701	PASS
			MCH	VN	-30	-2.42	-0.00342	PASS
					-20	-5.58	-0.00789	PASS
					-10	-3.71	-0.00524	PASS
					0	-3.1	-0.00438	PASS
					10	-0.57	-0.00081	PASS
					20	-4.32	-0.00611	PASS
					30	0.57	0.00081	PASS
					40	-2.43	-0.00343	PASS
		HCH	VN	-30	7.35	0.0103	PASS	
				-20	7.41	0.01039	PASS	
				-10	12.42	0.01741	PASS	
				0	4.45	0.00624	PASS	
				10	8.37	0.01173	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	LCH	VN	20	10.21	0.01431	PASS
					30	-1.37	-0.00192	PASS
					40	3.29	0.00461	PASS
					50	7.55	0.01058	PASS
					-30	13.53	0.01922	PASS
			-20	12.07	0.01714	PASS		
			-10	7.48	0.01063	PASS		
			0	23.93	0.03399	PASS		
			10	19.07	0.02709	PASS		
			20	9.88	0.01403	PASS		
		30	14.68	0.02085	PASS			
		40	0.04	0.00006	PASS			
		50	7.3	0.01037	PASS			
		MCH	VN	-30	6.22	0.00879	PASS	
				-20	5.88	0.00831	PASS	
				-10	4.48	0.00633	PASS	
				0	3.4	0.00481	PASS	
				10	10.77	0.01522	PASS	
		20	7.15	0.01011	PASS			
		30	-1.27	-0.0018	PASS			
	40	3.78	0.00534	PASS				
	50	8.21	0.0116	PASS				
	HCH	VN	-30	43.04	0.06053	PASS		
			-20	-26.72	-0.03758	PASS		
			-10	11.06	0.01556	PASS		
			0	44.09	0.06201	PASS		
			10	20.74	0.02917	PASS		
			20	0.82	0.00115	PASS		
			30	-0.96	-0.00135	PASS		
			40	2.59	0.00364	PASS		
	50	3.82	0.00537	PASS				
	LTE/TM2	1.4	LCH	VN	-30	0.41	0.00059	PASS
-20					-1.36	-0.00194	PASS	
-10					-2.06	-0.00294	PASS	
0					-1.36	-0.00194	PASS	
10					-0.33	-0.00047	PASS	
20					-1.22	-0.00174	PASS	
30					-4.21	-0.00602	PASS	
40					-1.46	-0.00209	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	-0.74	-0.00106	PASS
					-30	0.6	0.00085	PASS
					-20	0.53	0.00075	PASS
					-10	0.51	0.00072	PASS
					0	0.44	0.00062	PASS
					10	0.1	0.00014	PASS
					20	0.67	0.00095	PASS
					30	1.19	0.00168	PASS
					40	1.24	0.00175	PASS
			50	0.46	0.00065	PASS		
			HCH	VN	-30	-0.62	-0.00087	PASS
					-20	-1.07	-0.0015	PASS
					-10	-1.32	-0.00185	PASS
					0	-1.07	-0.0015	PASS
					10	-1.39	-0.00194	PASS
					20	-0.89	-0.00124	PASS
					30	-1.06	-0.00148	PASS
					40	-1	-0.0014	PASS
		50			-0.23	-0.00032	PASS	
		3	LCH	VN	-30	-6.67	-0.00952	PASS
					-20	-13.15	-0.01877	PASS
					-10	6.64	0.00948	PASS
					0	1.19	0.0017	PASS
					10	-2.93	-0.00418	PASS
					20	-13.92	-0.01987	PASS
					30	-11.43	-0.01632	PASS
					40	-9.13	-0.01303	PASS
					50	1.14	0.00163	PASS
			MCH	VN	-30	-18.65	-0.02636	PASS
					-20	-15.42	-0.0218	PASS
					-10	-7.84	-0.01108	PASS
					0	-8.65	-0.01223	PASS
					10	-17.08	-0.02414	PASS
					20	-12.56	-0.01775	PASS
					30	-2.75	-0.00389	PASS
					40	-7	-0.00989	PASS
			HCH	VN	-30	6.12	0.00857	PASS
		-20			-0.82	-0.00115	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-0.84	-0.00118	PASS
					0	1.06	0.00148	PASS
					10	4.01	0.00561	PASS
					20	-2.05	-0.00287	PASS
					30	-1.72	-0.00241	PASS
					40	5.55	0.00777	PASS
					50	7.57	0.01059	PASS
		5	LCH	VN	-30	-4.13	-0.00589	PASS
					-20	-0.74	-0.00105	PASS
					-10	-6.27	-0.00894	PASS
					0	-0.39	-0.00056	PASS
					10	-2.95	-0.00421	PASS
					20	-1.77	-0.00252	PASS
					30	-5.79	-0.00825	PASS
					40	-7.21	-0.01028	PASS
					50	-0.96	-0.00137	PASS
			MCH	VN	-30	-2.83	-0.004	PASS
					-20	-2.27	-0.00321	PASS
					-10	2.75	0.00389	PASS
					0	-5.42	-0.00766	PASS
					10	-8.57	-0.01211	PASS
					20	0.8	0.00113	PASS
					30	-2.15	-0.00304	PASS
					40	3.16	0.00447	PASS
			50	0.9	0.00127	PASS		
			HCH	VN	-30	10.06	0.0141	PASS
					-20	4.23	0.00593	PASS
					-10	2.05	0.00287	PASS
		0			-2.35	-0.00329	PASS	
		10			9.3	0.01303	PASS	
		20			15.78	0.02212	PASS	
		30			-0.92	-0.00129	PASS	
		40			2.63	0.00369	PASS	
		50	-0.73	-0.00102	PASS			
		10	LCH	VN	-30	-1.02	-0.00145	PASS
-20	0.59				0.00084	PASS		
-10	-0.26				-0.00037	PASS		
0	-4.78				-0.00679	PASS		
10	-0.01				-0.00001	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	3.6	0.00511	PASS
					30	3.29	0.00467	PASS
					40	0.59	0.00084	PASS
					50	2.47	0.00351	PASS
			MCH	VN	-30	-10.34	-0.01461	PASS
					-20	-7.6	-0.01074	PASS
					-10	-12.33	-0.01743	PASS
					0	-6.34	-0.00896	PASS
					10	-4.43	-0.00626	PASS
					20	-10.5	-0.01484	PASS
					30	2.26	0.00319	PASS
					40	-7.38	-0.01043	PASS
			HCH	VN	50	-3.13	-0.00442	PASS
					-30	-4.26	-0.00599	PASS
					-20	-1.34	-0.00188	PASS
					-10	2.86	0.00402	PASS
					0	1.16	0.00163	PASS
					10	1.59	0.00224	PASS
					20	-12.79	-0.01799	PASS
					30	-1.83	-0.00257	PASS
BAND17	LTE/TM1	5	LCH	VN	40	-1.33	-0.00187	PASS
					50	-2.15	-0.00302	PASS
					-30	-5.44	-0.0077	PASS
					-20	-1.17	-0.00166	PASS
					-10	-2.96	-0.00419	PASS
					0	-8.21	-0.01162	PASS
					10	-3.19	-0.00452	PASS
					20	-1.89	-0.00268	PASS
			MCH	VN	30	-4.76	-0.00674	PASS
					40	-6.67	-0.00944	PASS
					50	-0.37	-0.00052	PASS
					-30	-1.22	-0.00172	PASS
					-20	0.09	0.00013	PASS
					-10	5.28	0.00744	PASS
					0	-1.07	-0.00151	PASS
					10	-0.39	-0.00055	PASS
					20	0.86	0.00121	PASS
					30	-5.76	-0.00811	PASS
					40	1.22	0.00172	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
			HCH	VN	50	1.52	0.00214	PASS			
					-30	-7.07	-0.00991	PASS			
					-20	-10.29	-0.01442	PASS			
					-10	-8.5	-0.01191	PASS			
					0	-10.74	-0.01505	PASS			
					10	-2.57	-0.0036	PASS			
					20	6.09	0.00854	PASS			
					30	-4.58	-0.00642	PASS			
					40	-6.49	-0.0091	PASS			
					50	-0.24	-0.00034	PASS			
					10	LCH	VN	-30	6.64	0.00937	PASS
								-20	1.09	0.00154	PASS
								-10	2.57	0.00362	PASS
								0	-1.77	-0.0025	PASS
		10	3.03	0.00427				PASS			
		20	7.54	0.01063				PASS			
		30	0.92	0.0013				PASS			
		40	0.41	0.00058				PASS			
		50	-2.16	-0.00305				PASS			
		10	MCH	VN				-30	-7.22	-0.01017	PASS
								-20	0.82	0.00115	PASS
								-10	-12.36	-0.01741	PASS
								0	0.54	0.00076	PASS
								10	-0.86	-0.00121	PASS
					20	0.96	0.00135	PASS			
					30	-18.01	-0.02537	PASS			
					40	4.58	0.00645	PASS			
		10	HCH	VN	-30	15.31	0.02153	PASS			
					-20	11.9	0.01674	PASS			
					-10	13.8	0.01941	PASS			
					0	0.14	0.0002	PASS			
					10	9.1	0.0128	PASS			
					20	-0.24	-0.00034	PASS			
					30	21.1	0.02968	PASS			
					40	18.04	0.02537	PASS			
		LTE/TM2	5	LCH	VN	-30	-2.52	-0.00357	PASS		
						-20	1.65	0.00234	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-10	-5.71	-0.00808	PASS	
					0	-3.78	-0.00535	PASS	
					10	-4.08	-0.00577	PASS	
					20	-3.73	-0.00528	PASS	
					30	0.24	0.00034	PASS	
					40	-1.86	-0.00263	PASS	
					50	-7.68	-0.01087	PASS	
			MCH	VN	-30	-2.13	-0.003	PASS	
					-20	0.5	0.0007	PASS	
					-10	-7.64	-0.01076	PASS	
					0	-5.14	-0.00724	PASS	
					10	-0.54	-0.00076	PASS	
					20	-2.3	-0.00324	PASS	
					30	-1.97	-0.00277	PASS	
					40	1.5	0.00211	PASS	
			HCH	VN	-30	-0.49	-0.00069	PASS	
					-20	-3.66	-0.00513	PASS	
					-10	-8.08	-0.01132	PASS	
					0	-2.78	-0.0039	PASS	
					10	0.17	0.00024	PASS	
					20	-5.39	-0.00755	PASS	
					30	-2.06	-0.00289	PASS	
					40	-2.1	-0.00294	PASS	
			10	LCH	VN	-30	4.33	0.00611	PASS
						-20	-1.04	-0.00147	PASS
						-10	3.58	0.00505	PASS
						0	2.69	0.00379	PASS
						10	1.07	0.00151	PASS
						20	5.38	0.00759	PASS
						30	5.88	0.00829	PASS
						40	1.5	0.00212	PASS
						50	3.26	0.0046	PASS
						MCH	VN	-30	1.07
			-20	3.75	0.00528			PASS	
			-10	-5.44	-0.00766			PASS	
			0	-3.63	-0.00511			PASS	
			10	-4.72	-0.00665			PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	3.86	0.00544	PASS
					30	-12.2	-0.01718	PASS
					40	-6.67	-0.00939	PASS
					50	-6.09	-0.00858	PASS
			HCH	VN	-30	13.85	0.01948	PASS
					-20	-15.92	-0.02239	PASS
					-10	21.09	0.02966	PASS
					0	11.53	0.01622	PASS
					10	-12.66	-0.01781	PASS
					20	-6.27	-0.00882	PASS
					30	-4.84	-0.00681	PASS
					40	-7.2	-0.01013	PASS
					50	15.51	0.02181	PASS

END