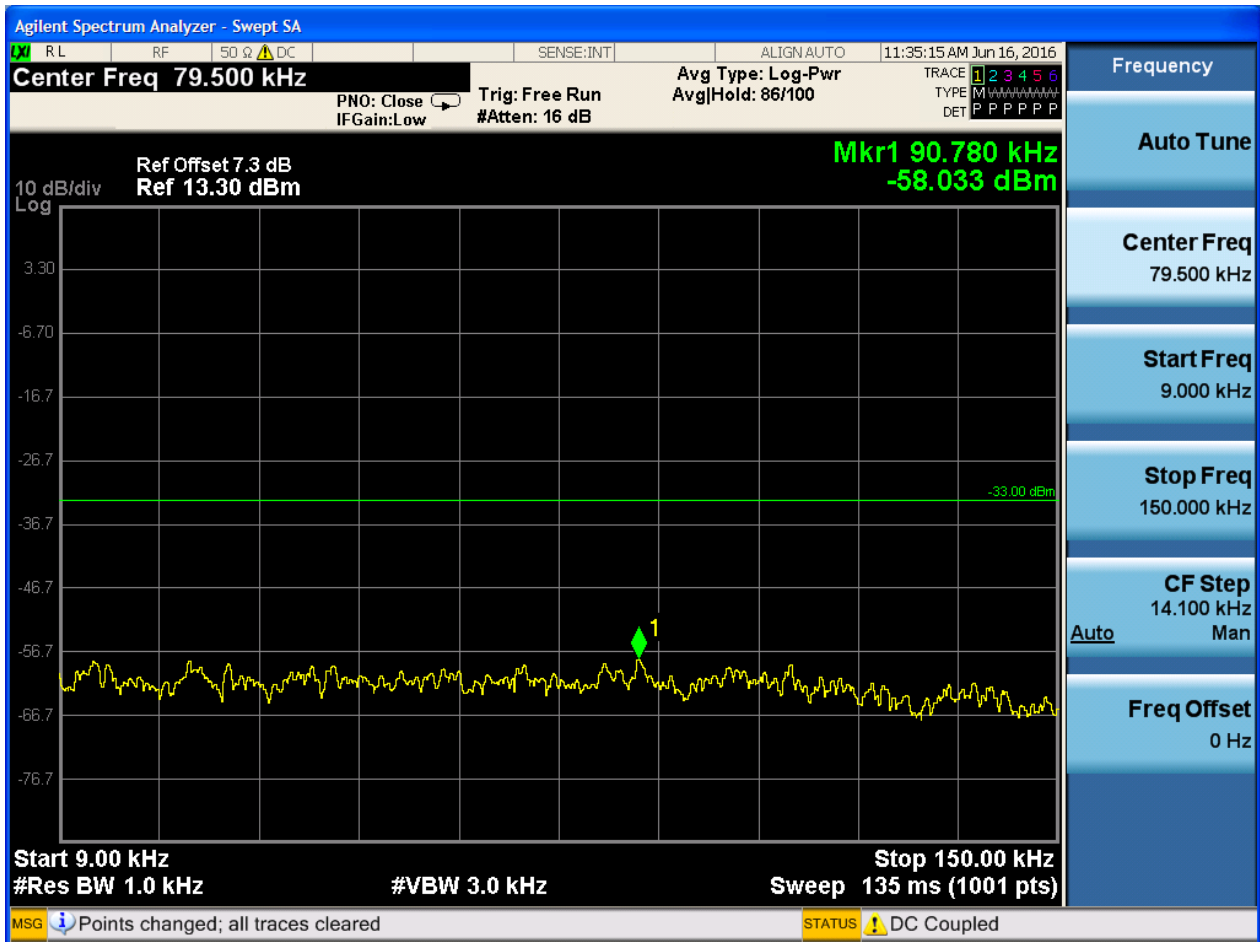




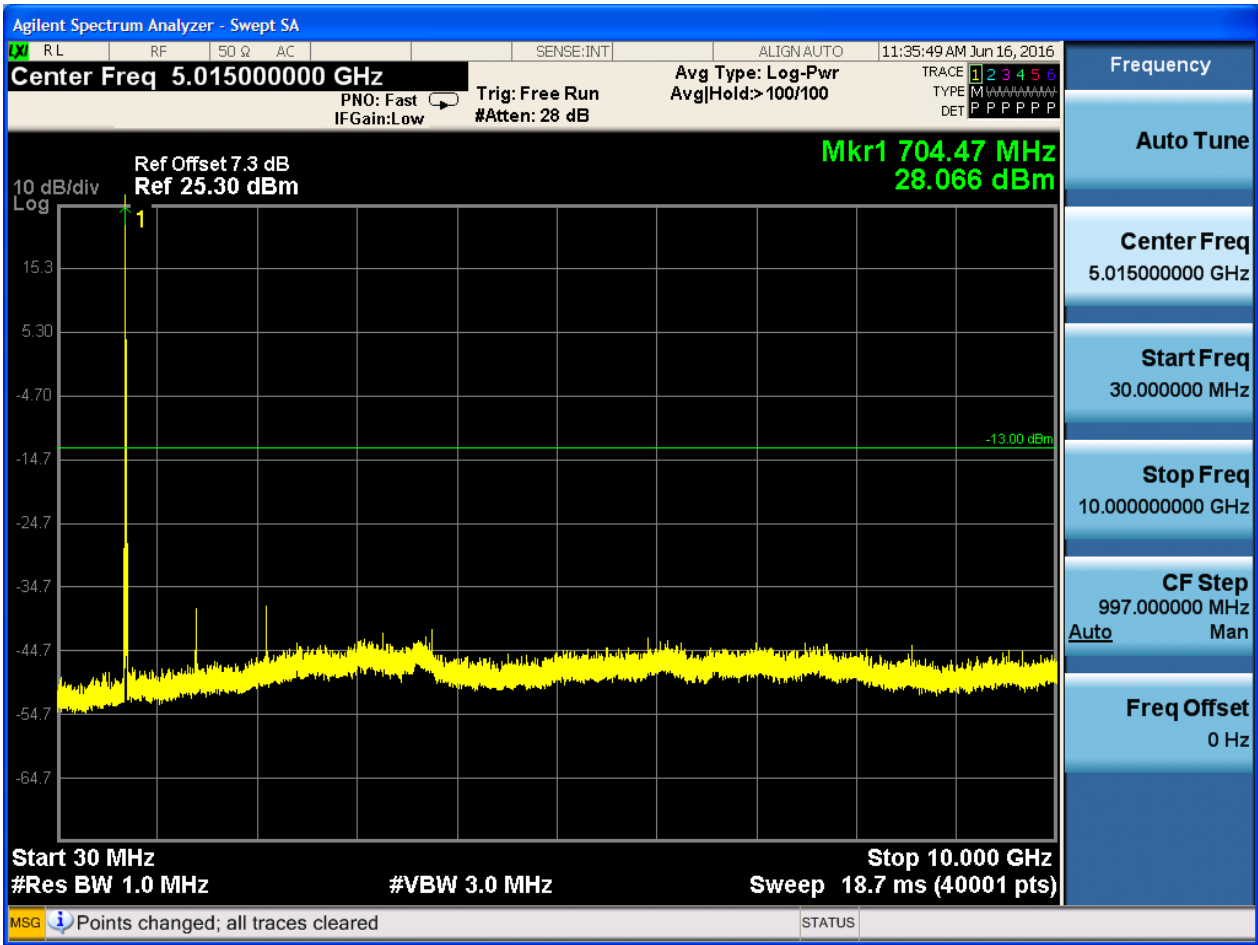
6.1.5.2.2 Test Bandwidth = 10

6.1.5.2.2.1 Test Channel = LCH

6.1.5.2.2.1.1 Test RB = RB1#0



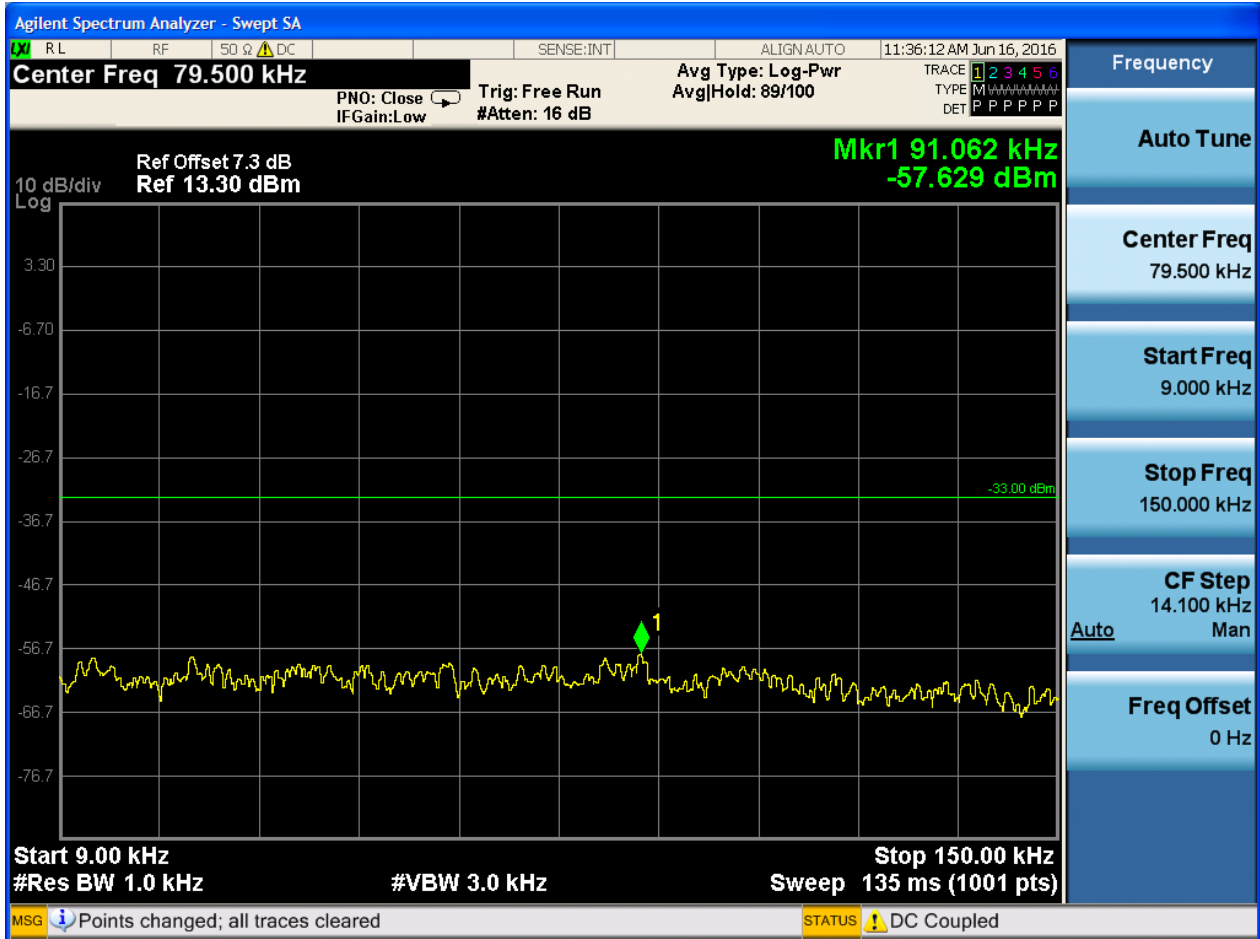


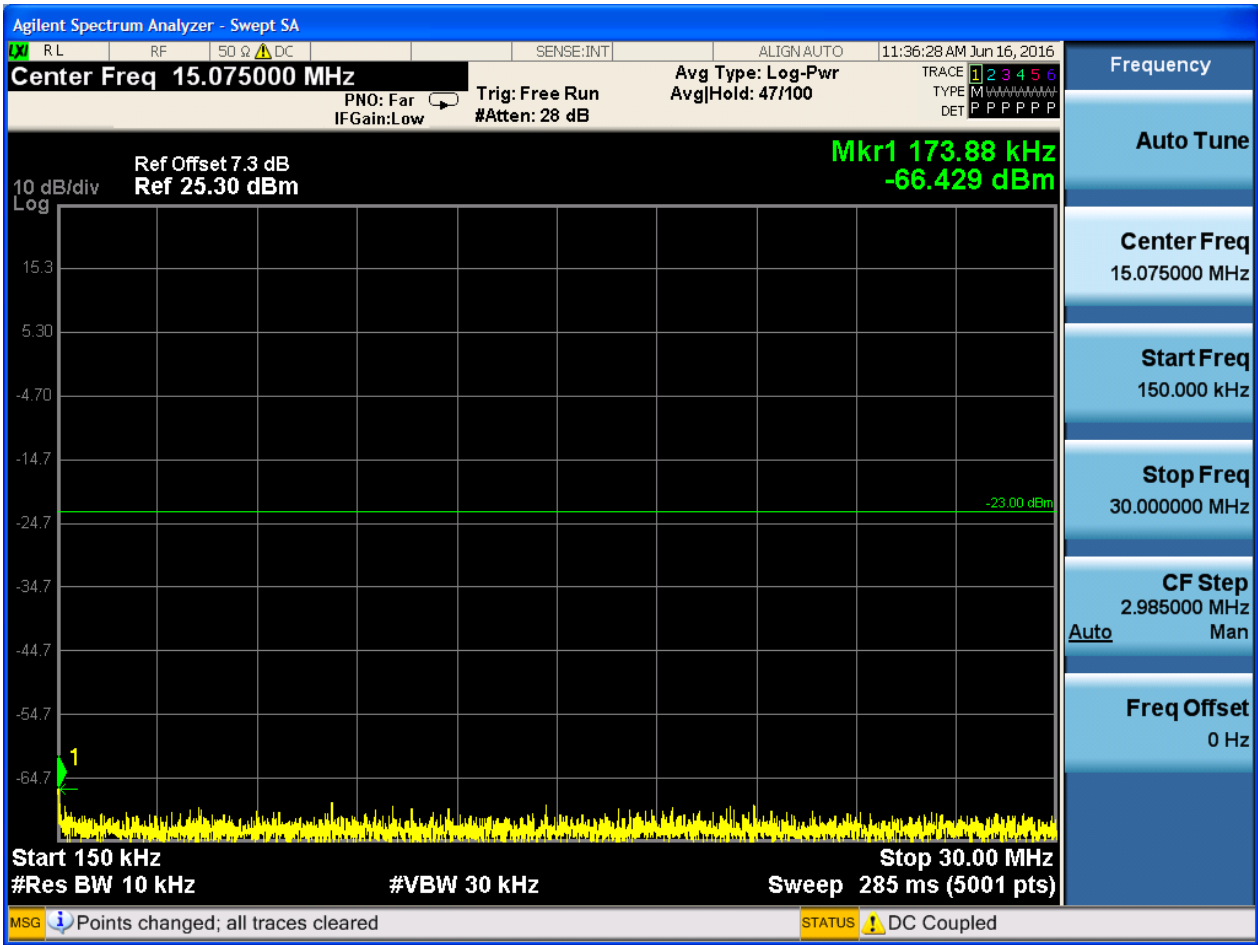


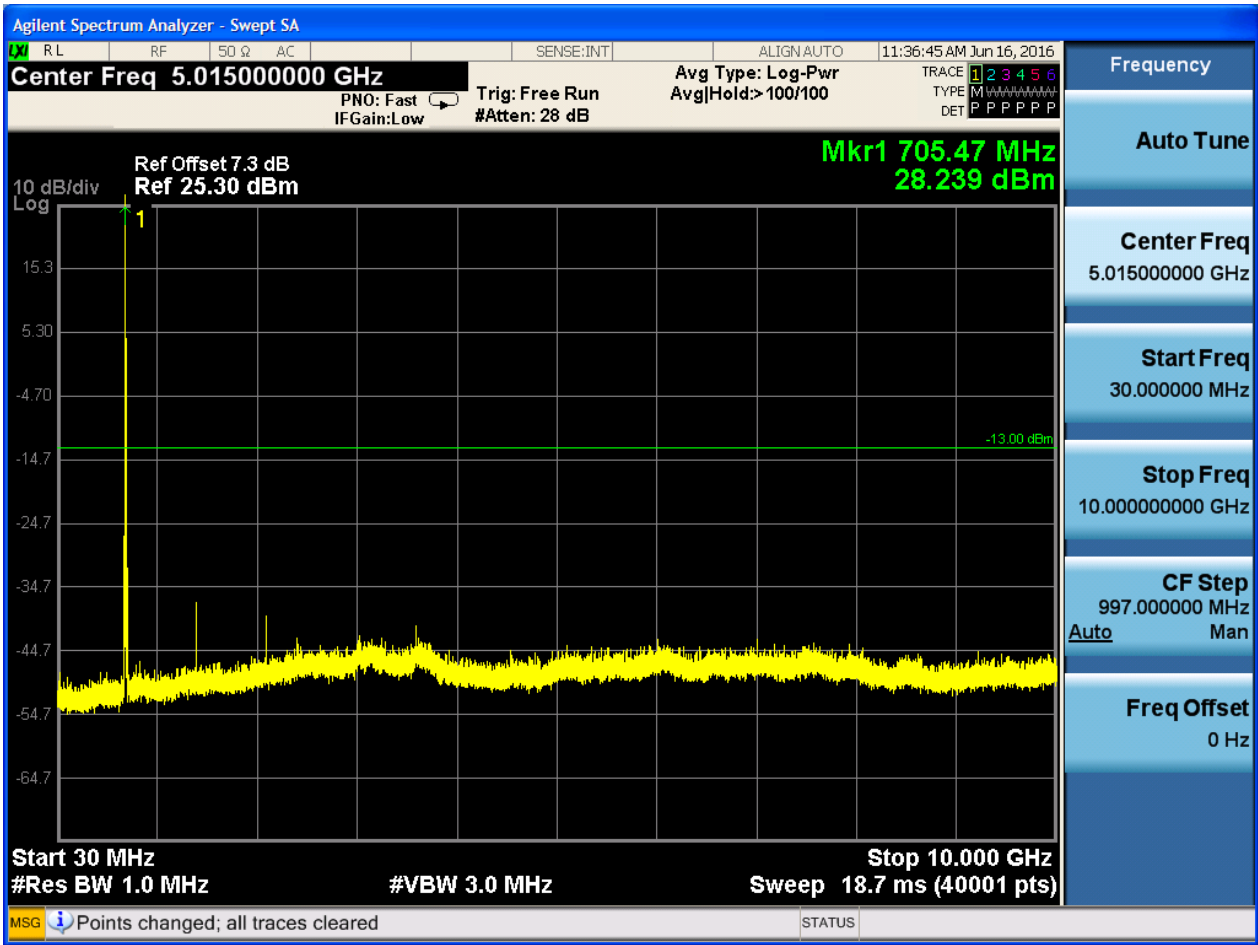


6.1.5.2.2.2 Test Channel = MCH

6.1.5.2.2.2.1 Test RB = RB1#0





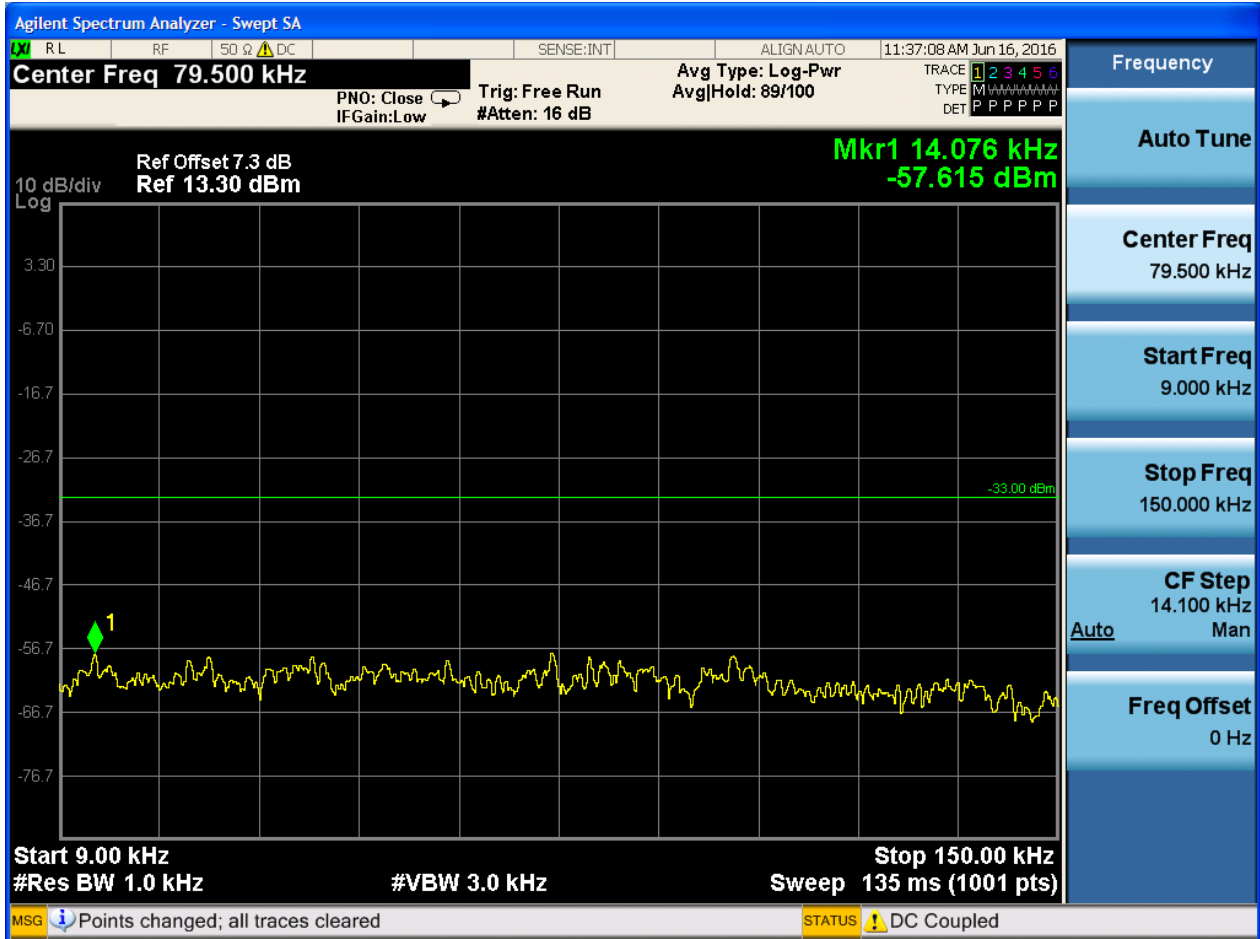




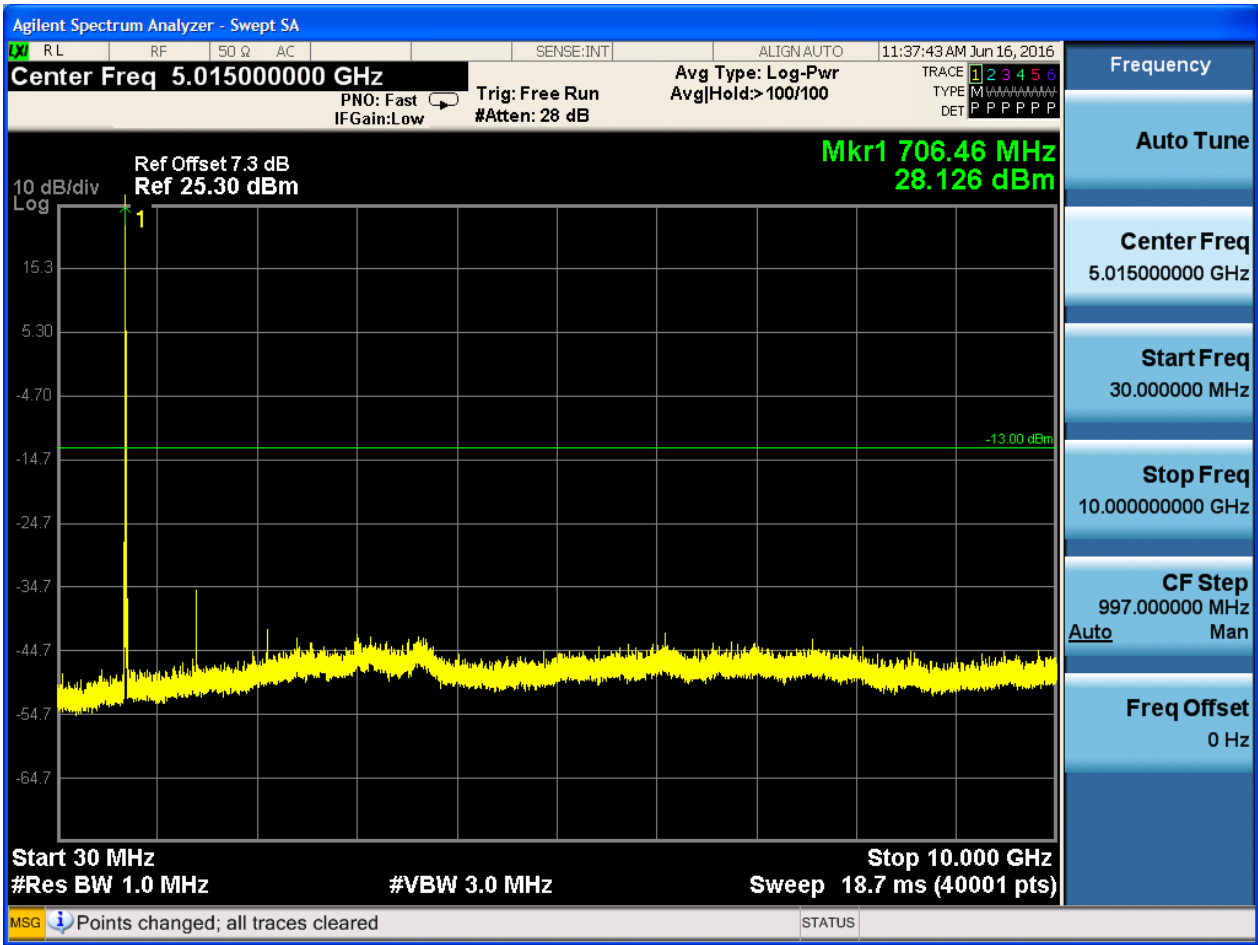


6.1.5.2.2.3 Test Channel = HCH

6.1.5.2.2.3.1 Test RB = RB1#0







## 7Appendix\_G: Field Strength of Spurious Radiation

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

9kHz~150kHz, 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

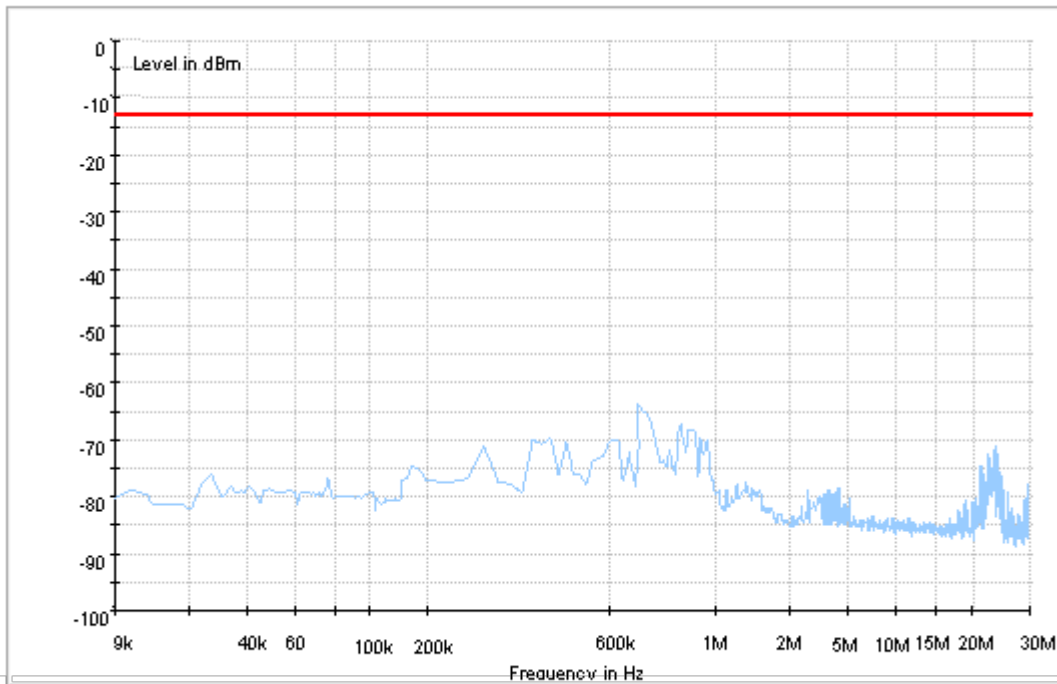
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

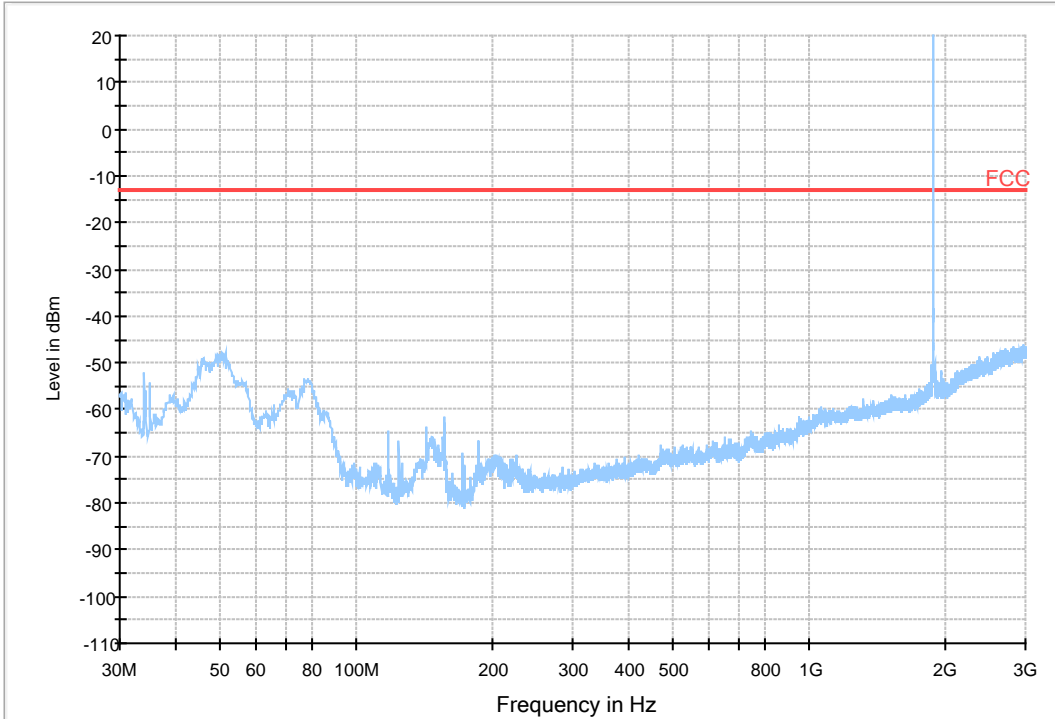
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND2

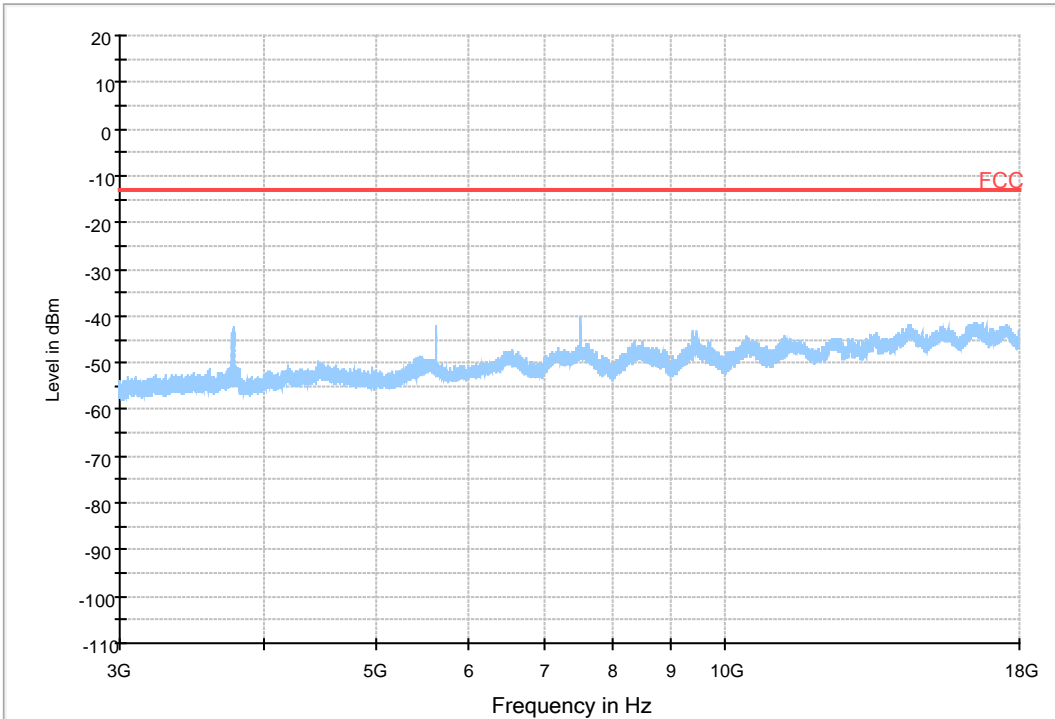
##### 7.1.1.1 Test Bandwidth = 1.4

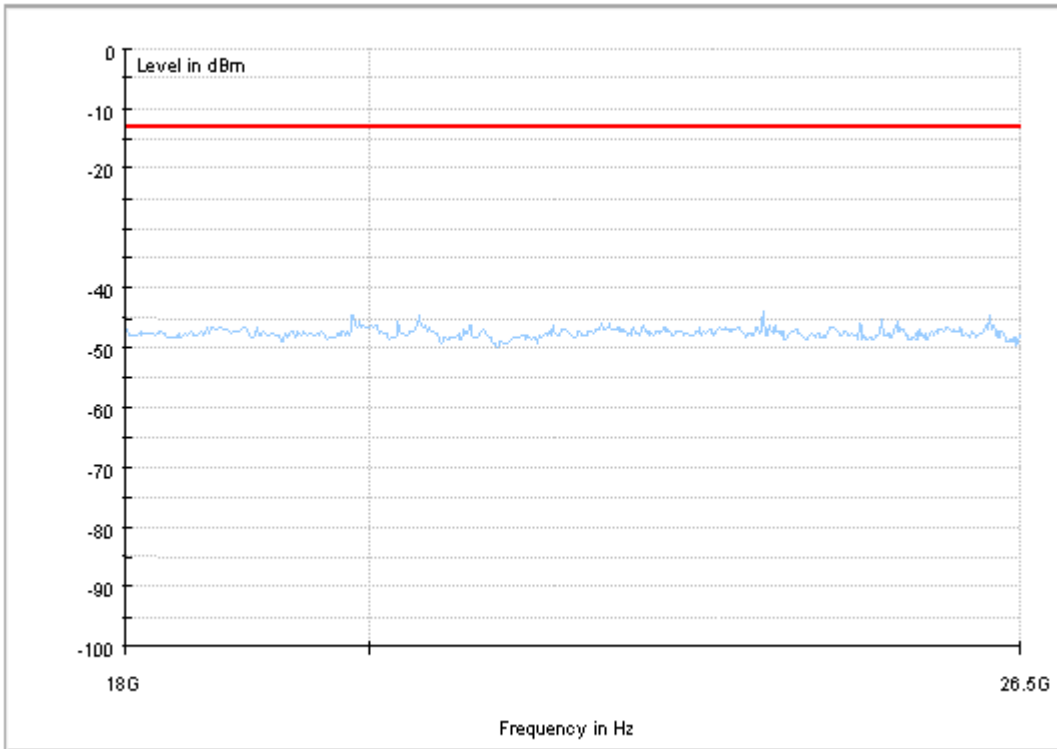


Copy of FCC PART24 LTE Band 2\_L

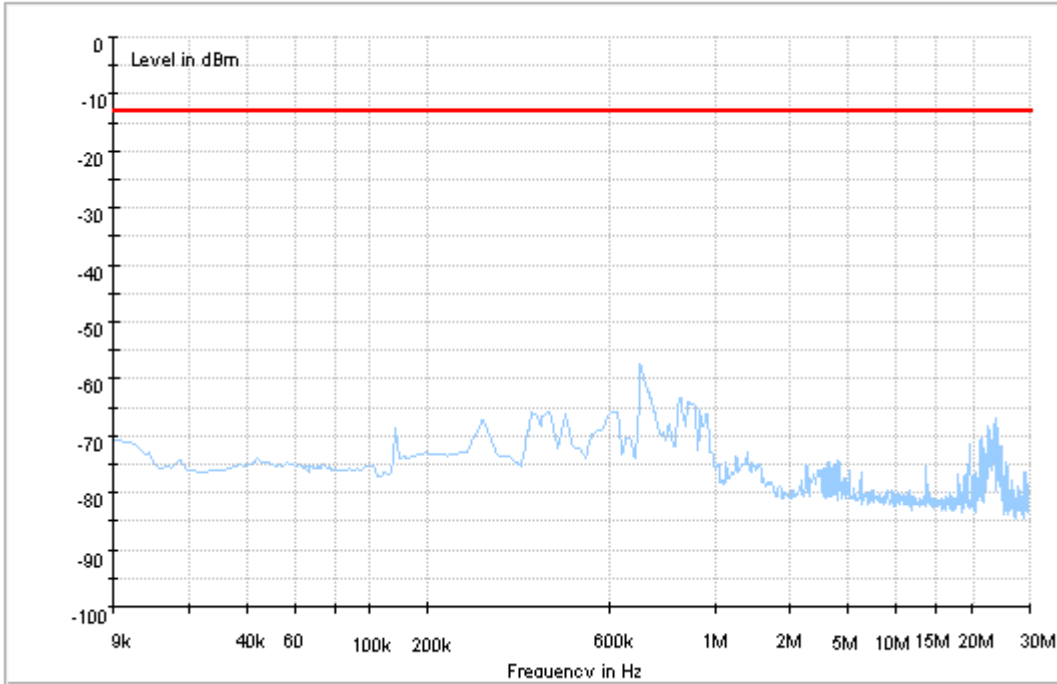


Copy of FCC PART24 LTE Band 2\_H

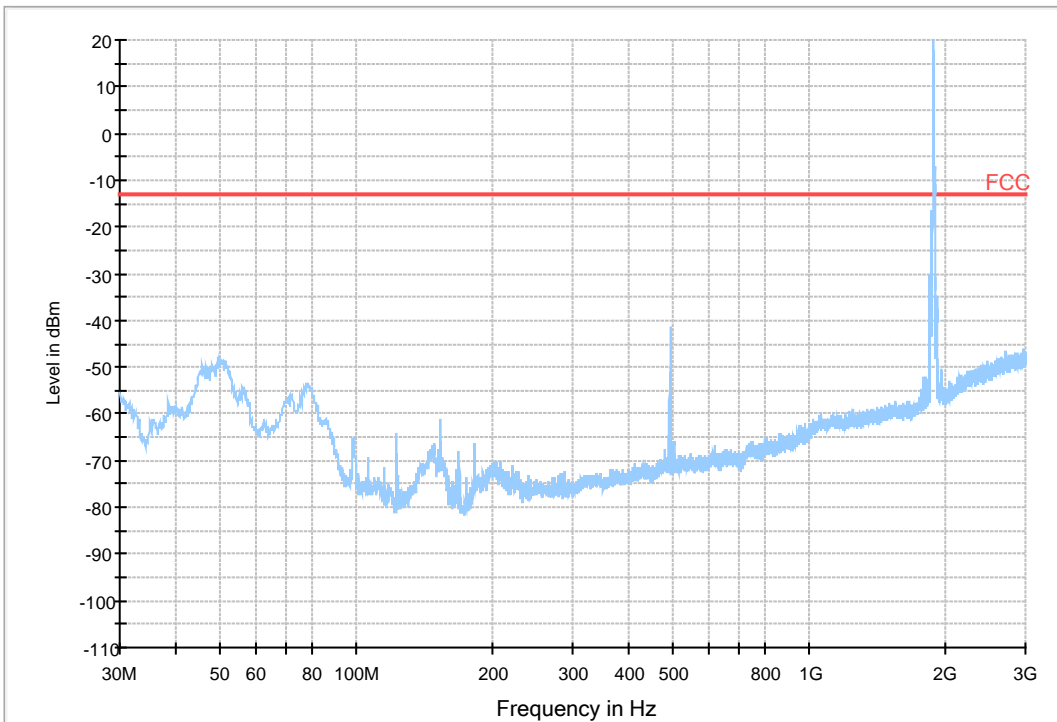




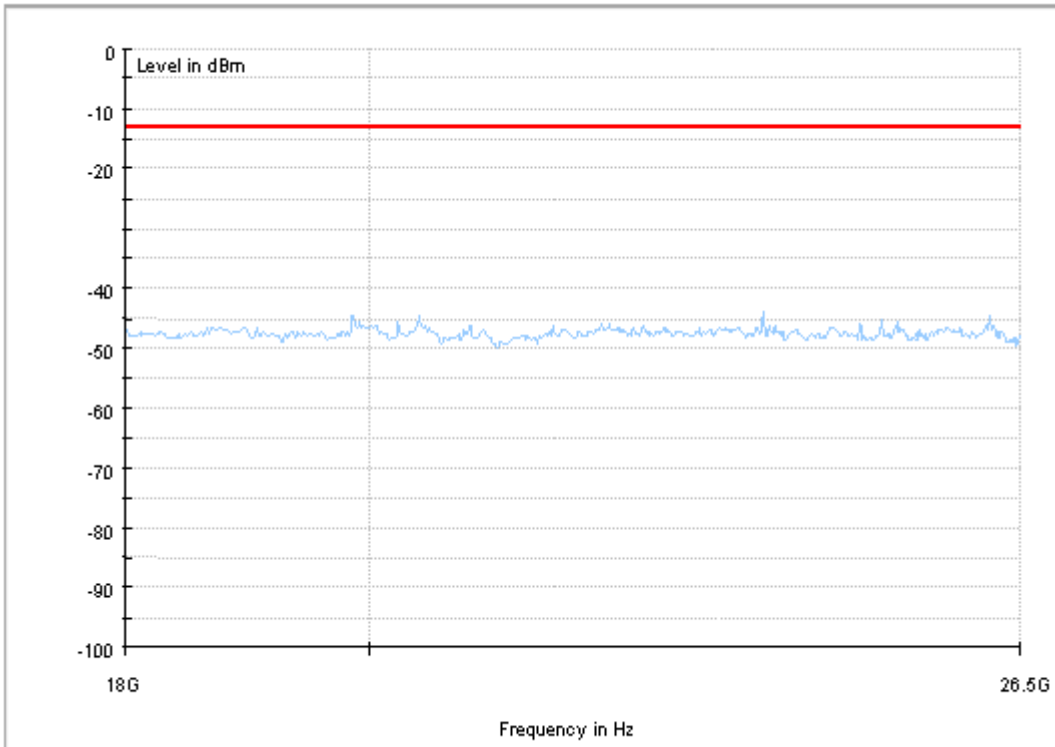
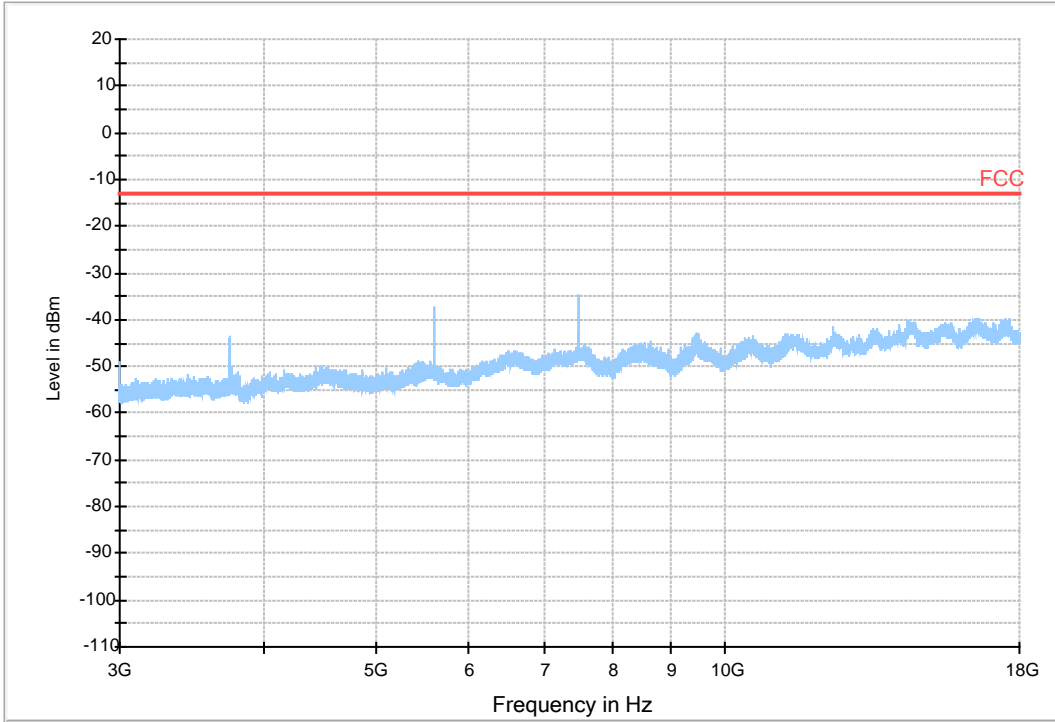
### 7.1.1.3 Test Bandwidth = 20



Copy of FCC PART24 LTE Band 2\_L



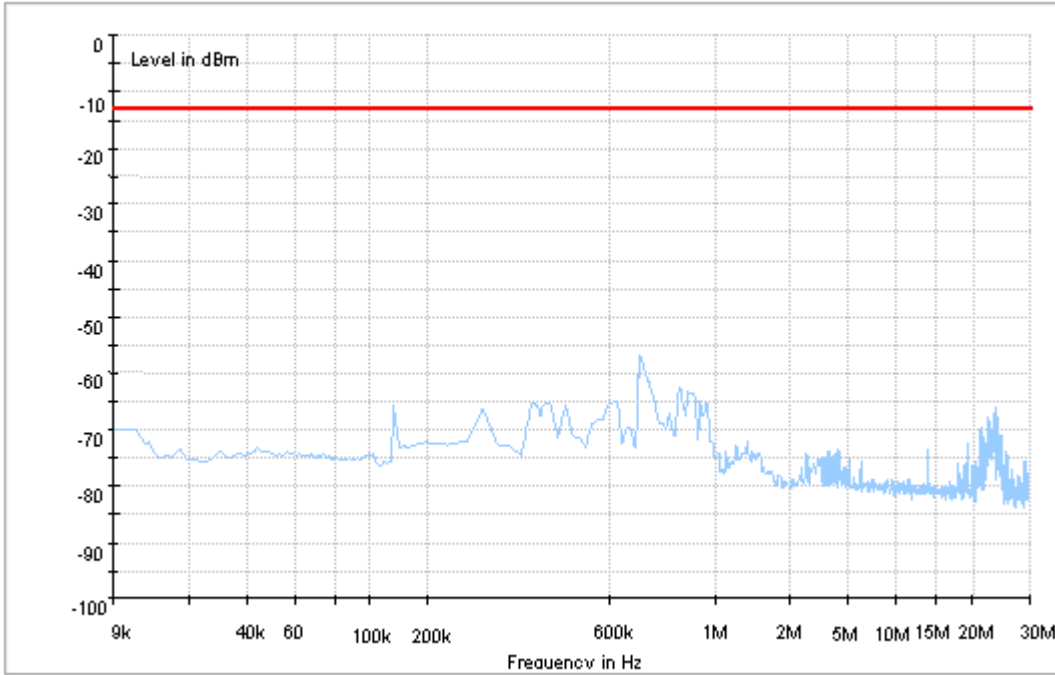
Copy of FCC PART24 LTE Band 2\_H



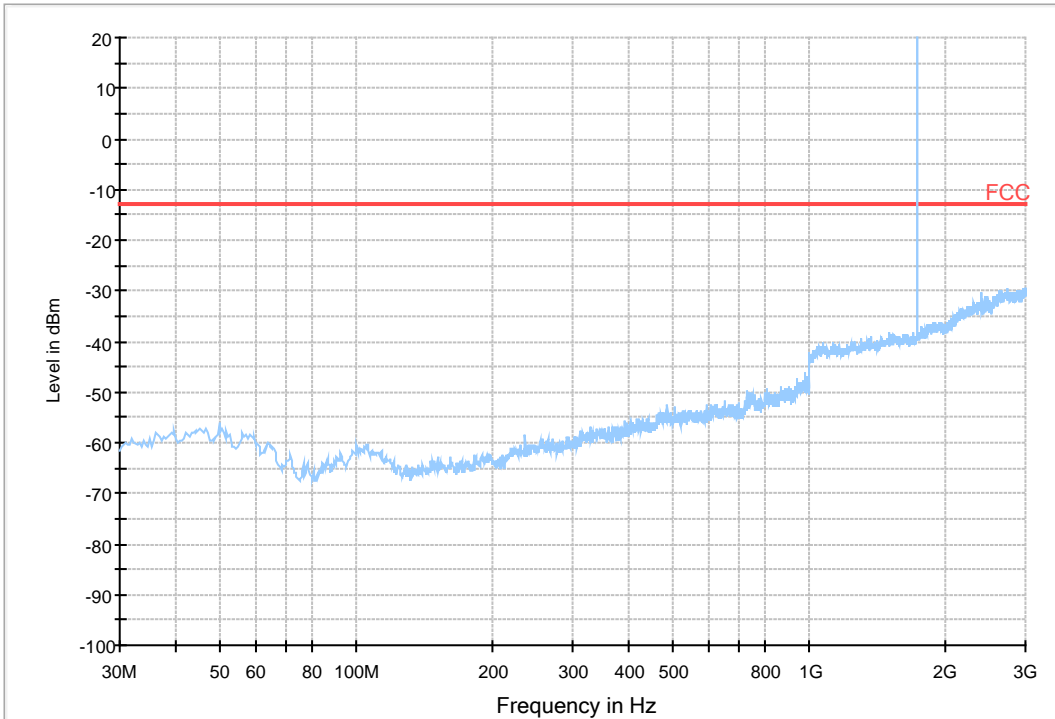


### 7.1.2 Test Band = BAND4

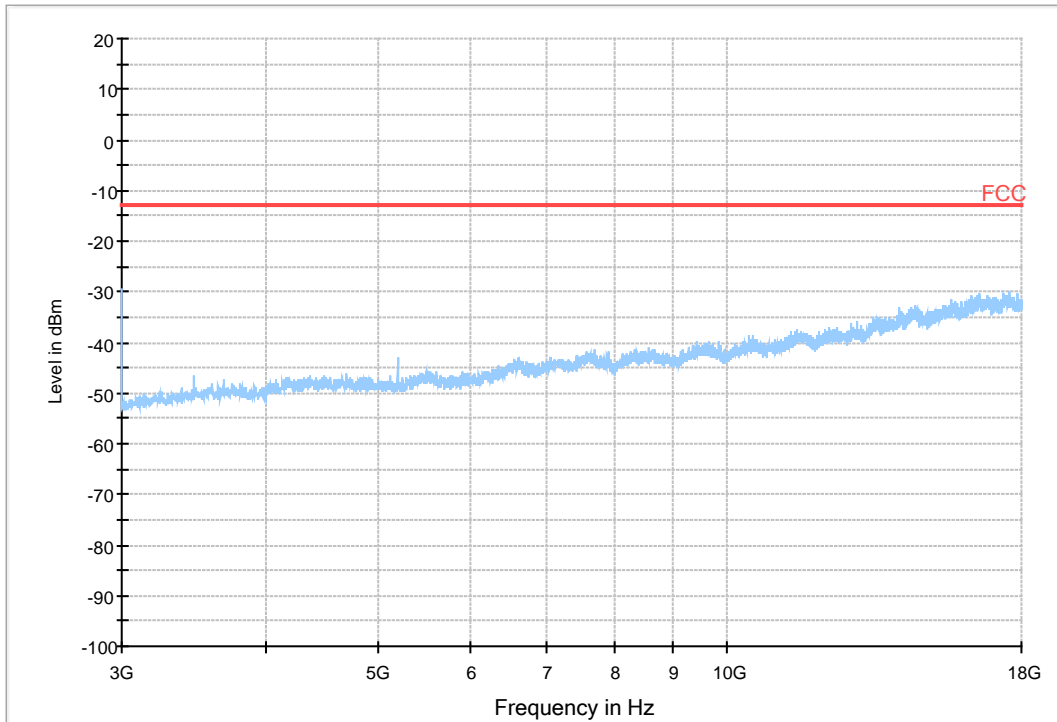
#### 7.1.2.1 Test Bandwidth = 1.4



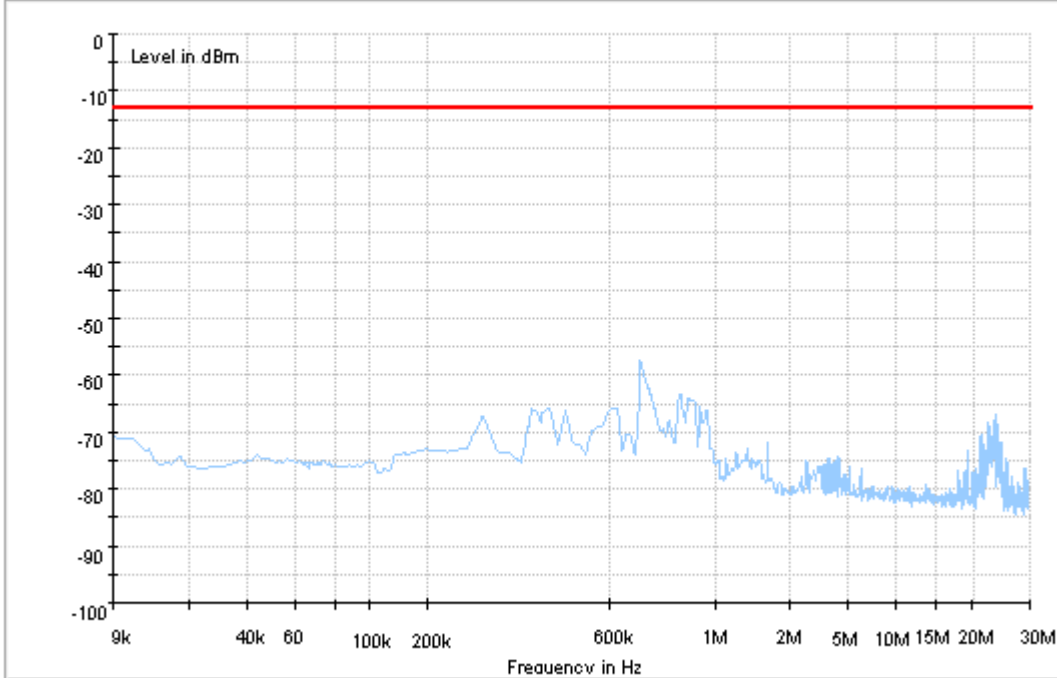
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



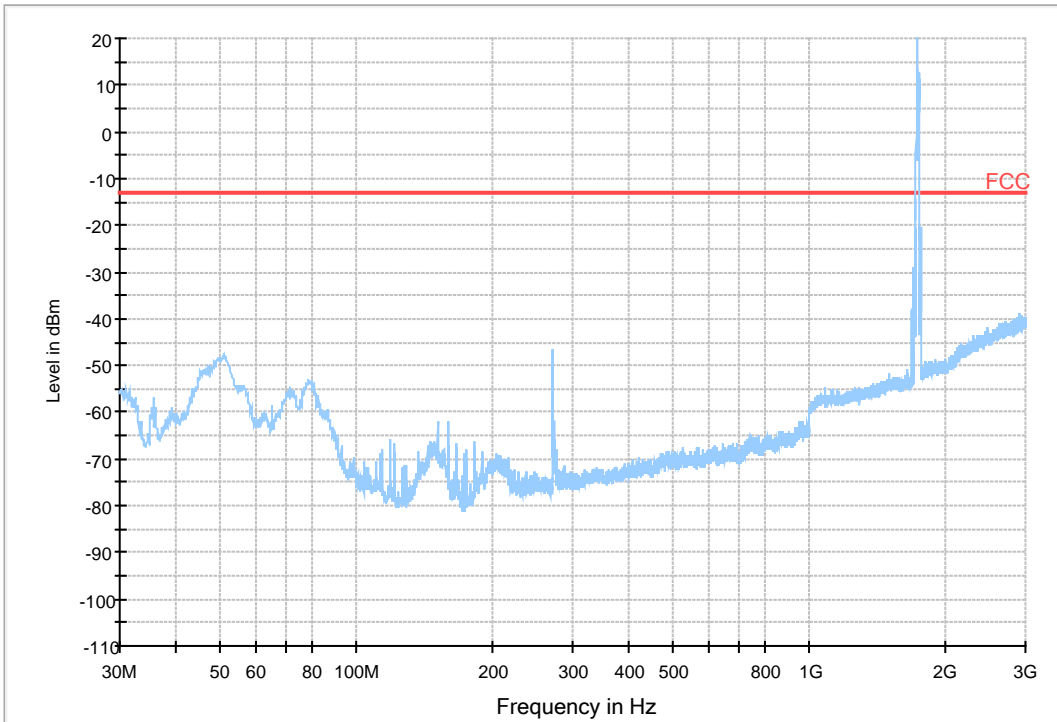
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



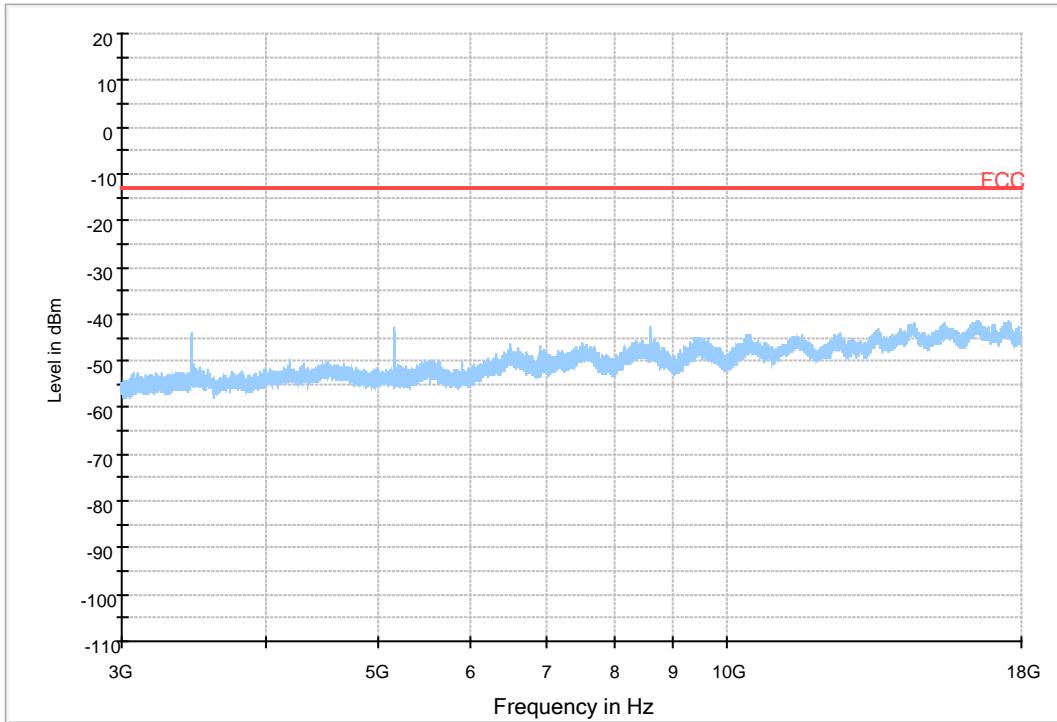
### 7.1.2.3 Test Bandwidth = 20



Copy of FCC PART27 LTE Band 4\_L

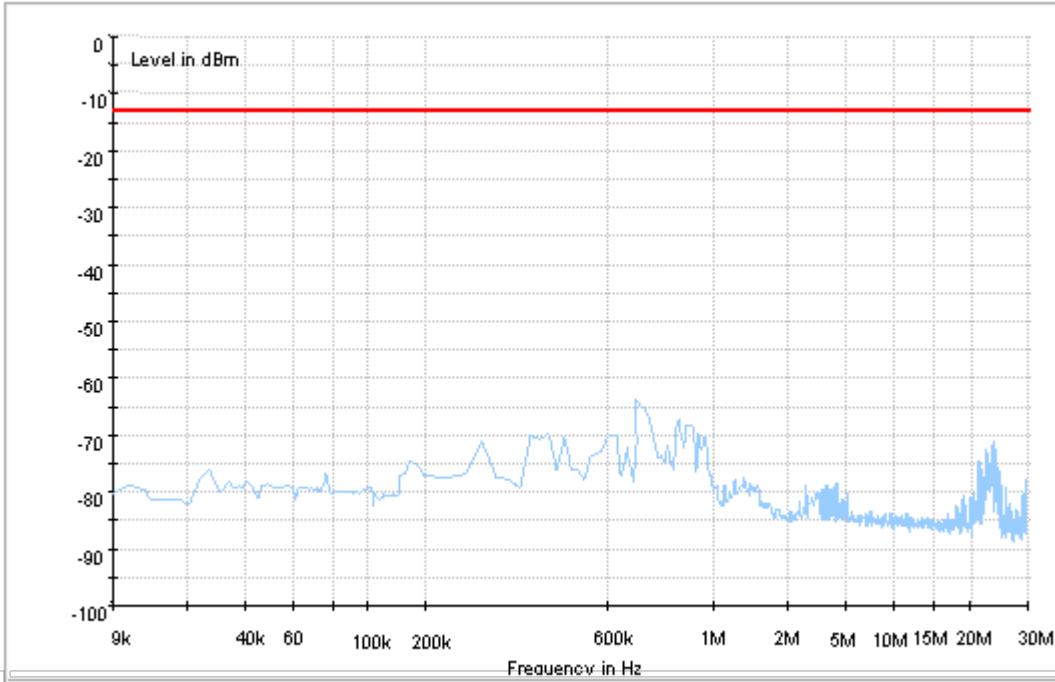


Copy of FCC PART27 LTE Band 4\_H

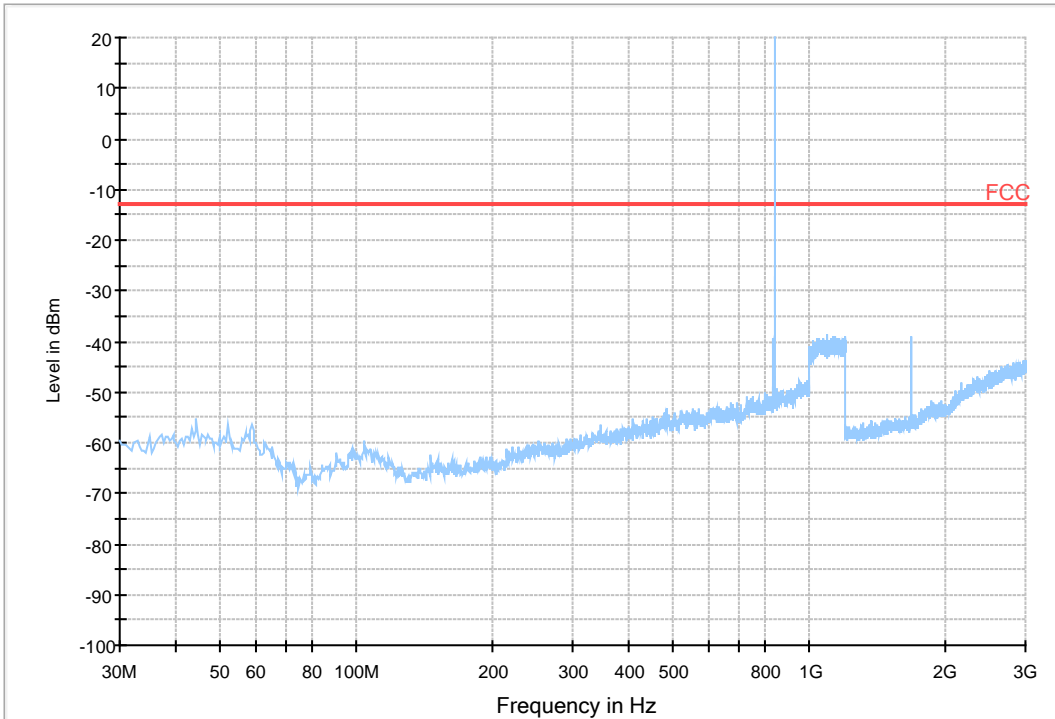


### 7.1.3 Test Band = BAND5

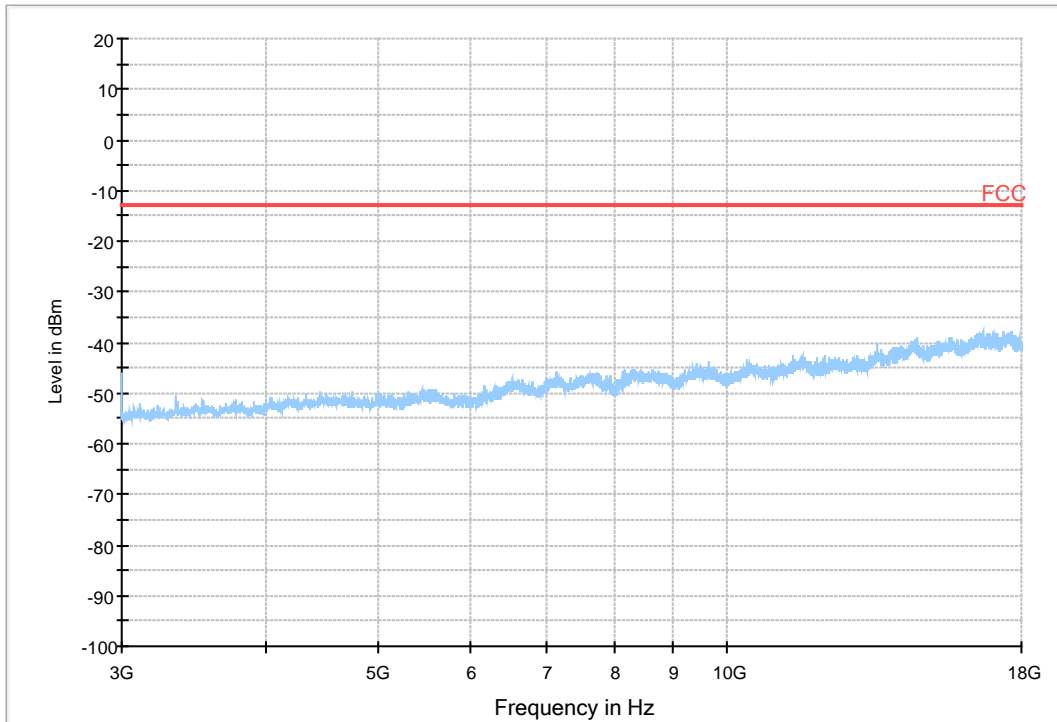
#### 7.1.3.1 Test Bandwidth = 1.4



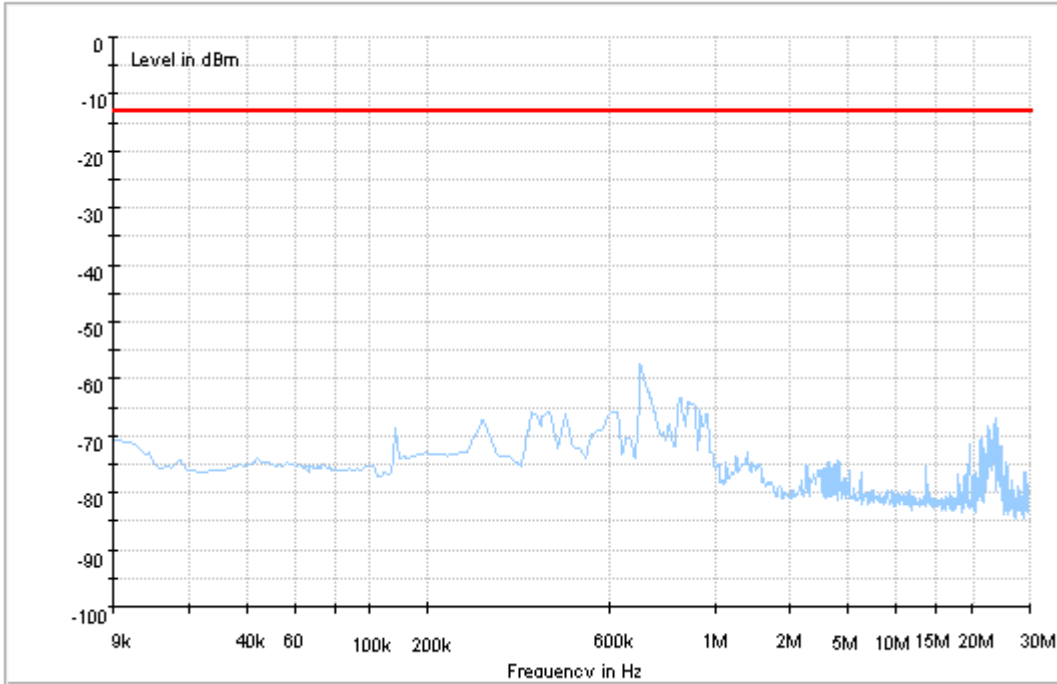
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



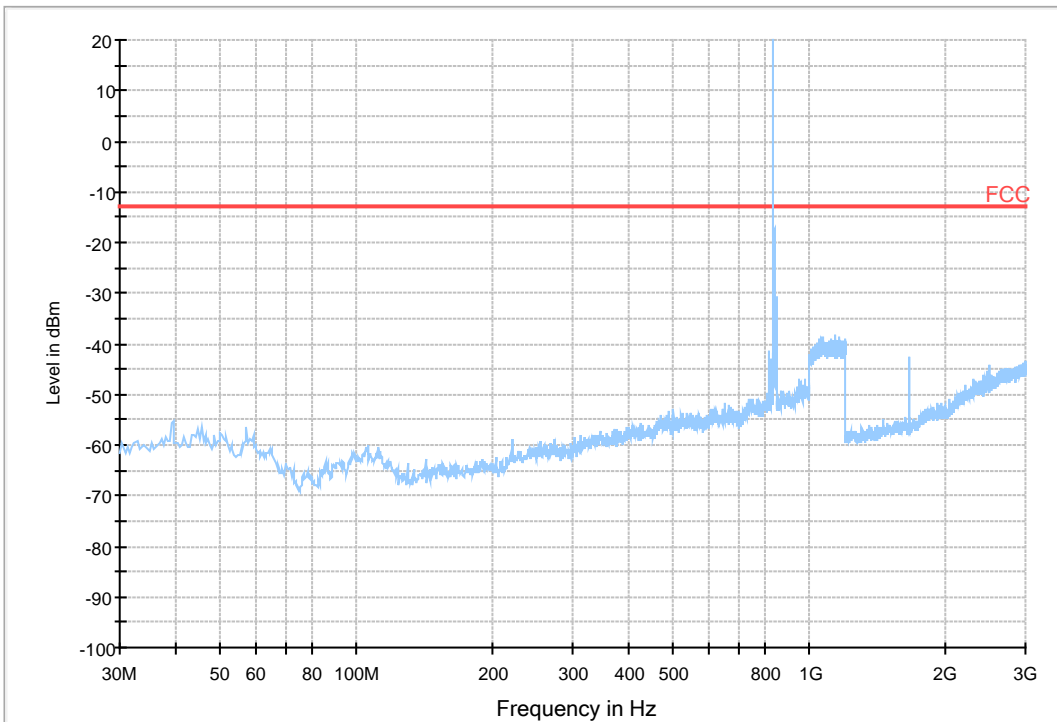
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



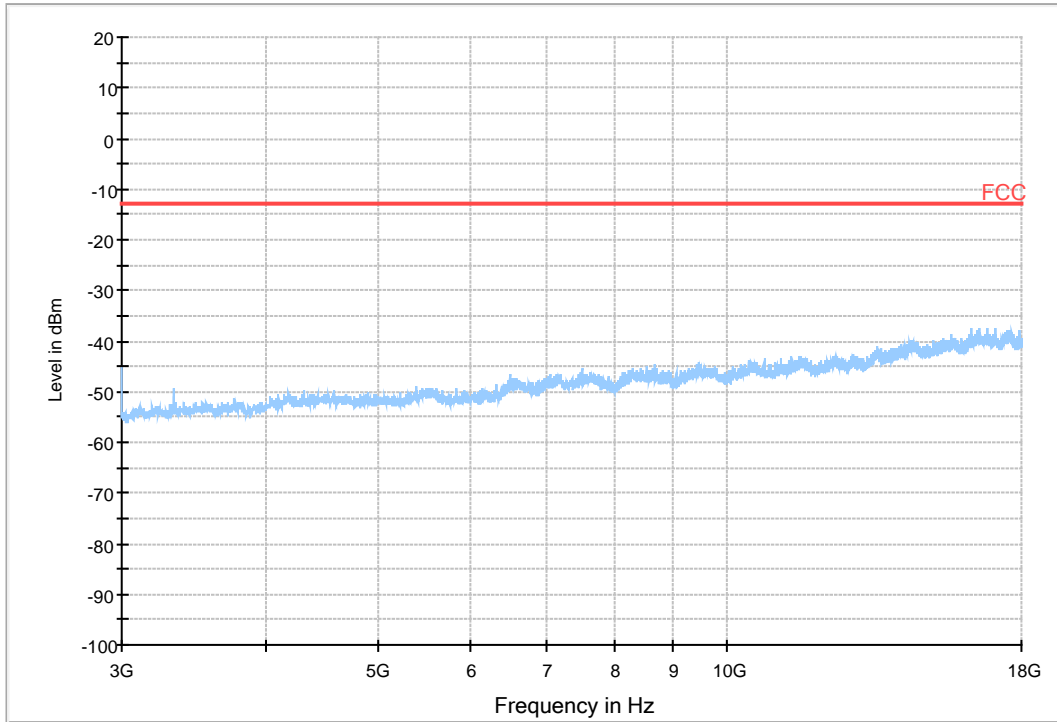
### 7.1.3.3 Test Bandwidth = 10



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



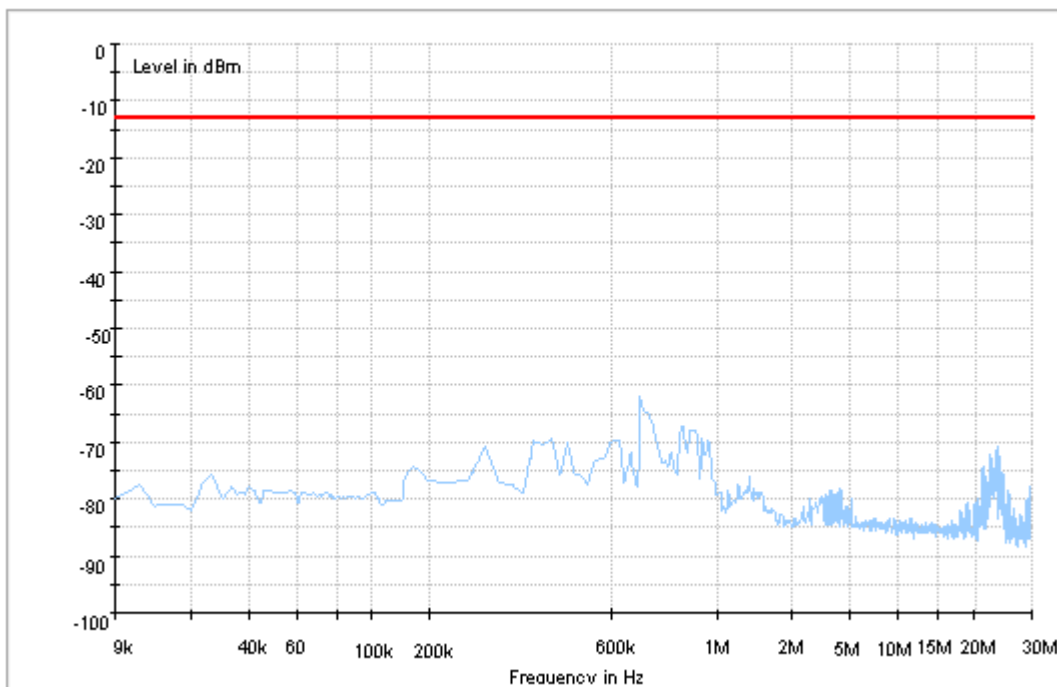
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



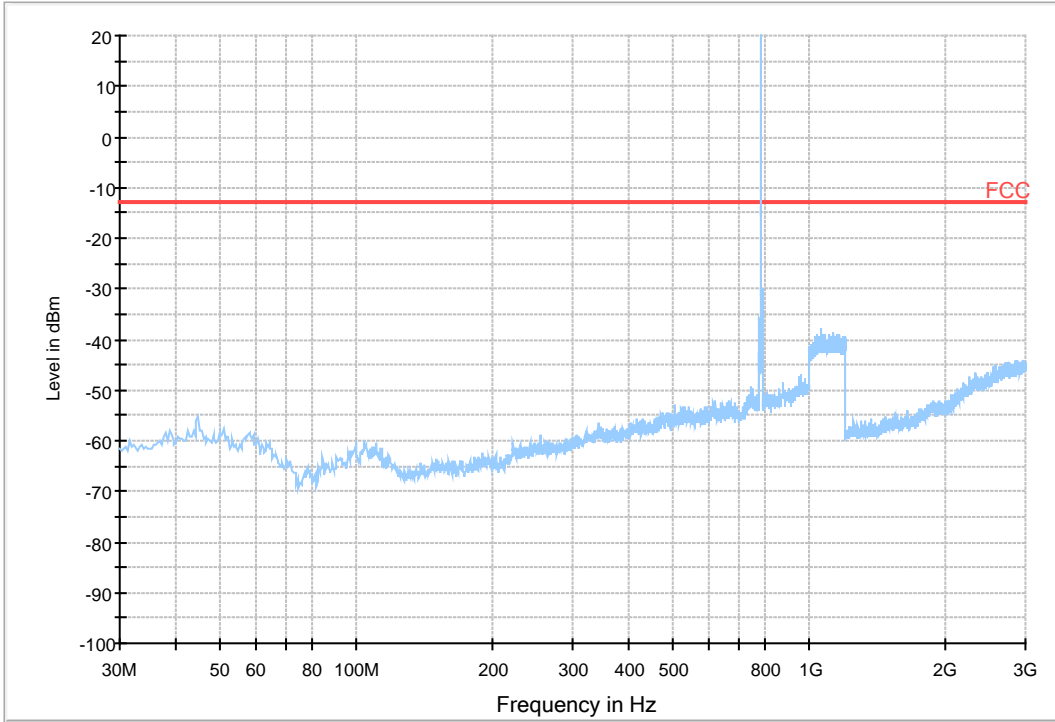


### 7.1.4 Test Band = BAND13

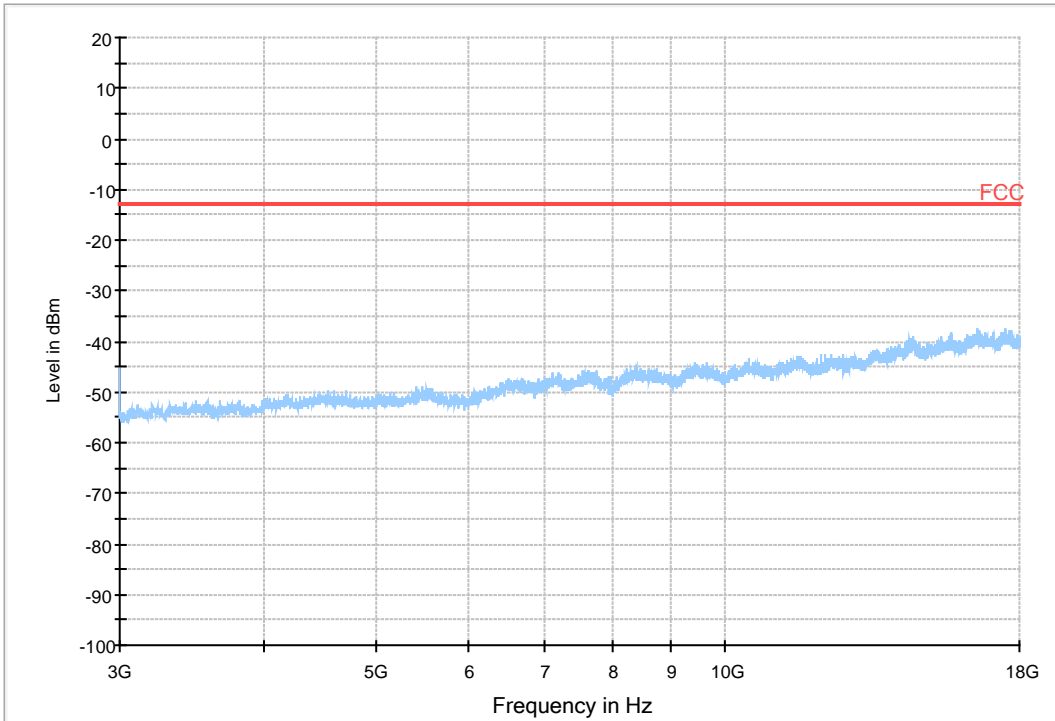
#### 7.1.4.1 Test Bandwidth = 5



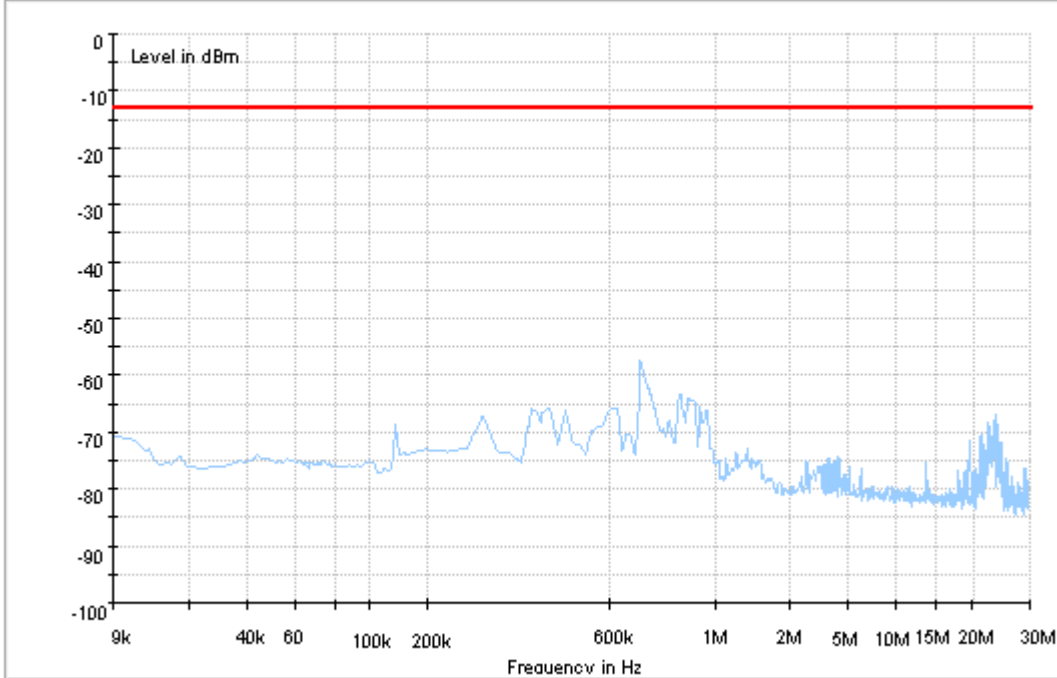
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



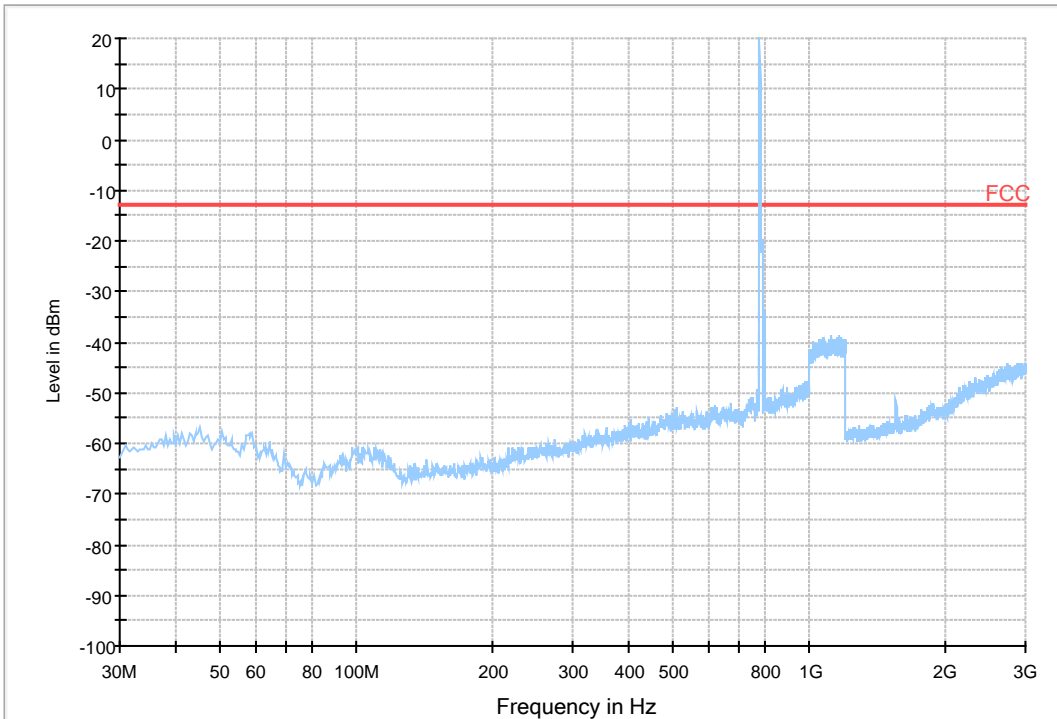
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



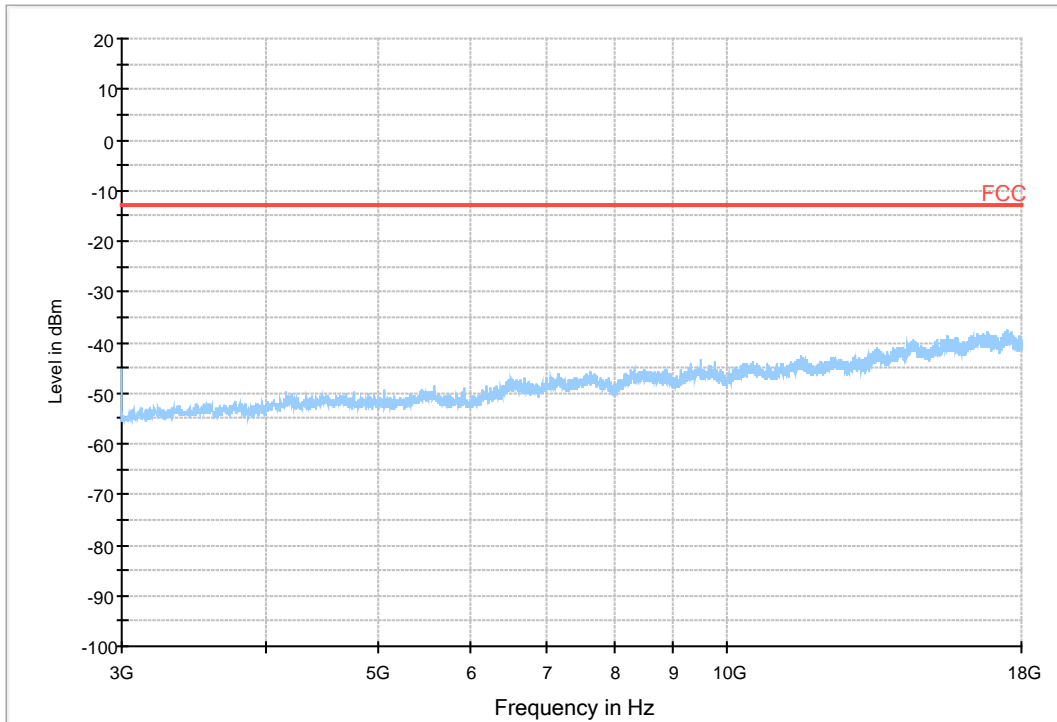
### 7.1.4.2 Test Bandwidth = 10



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

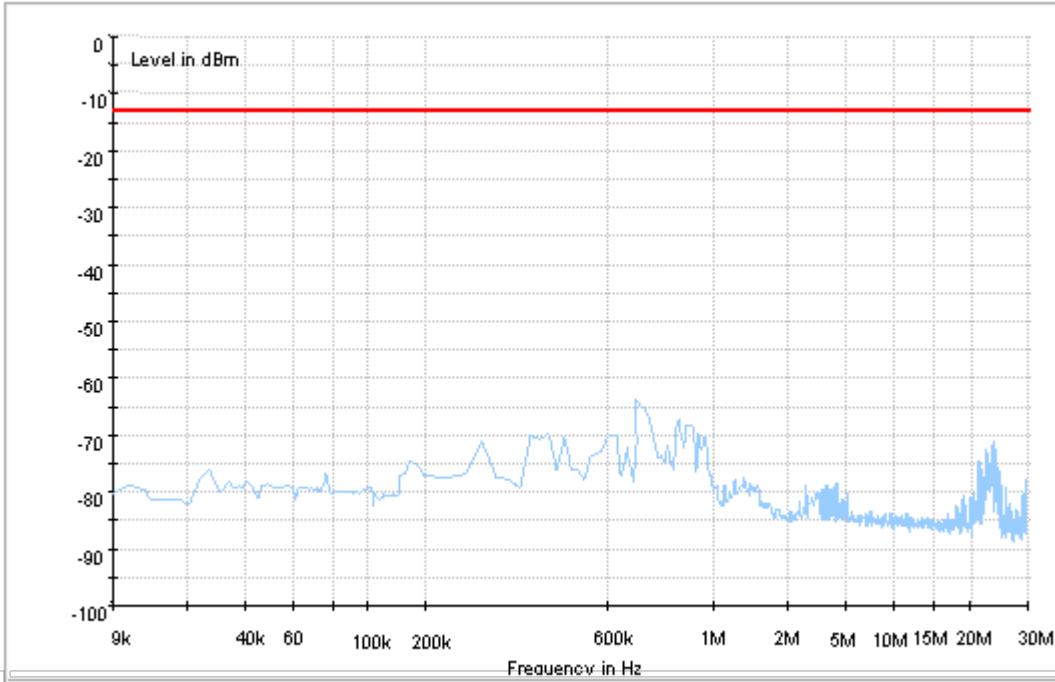


Copy of RSE-TX-DIRECTOR BELOW 1G\_H

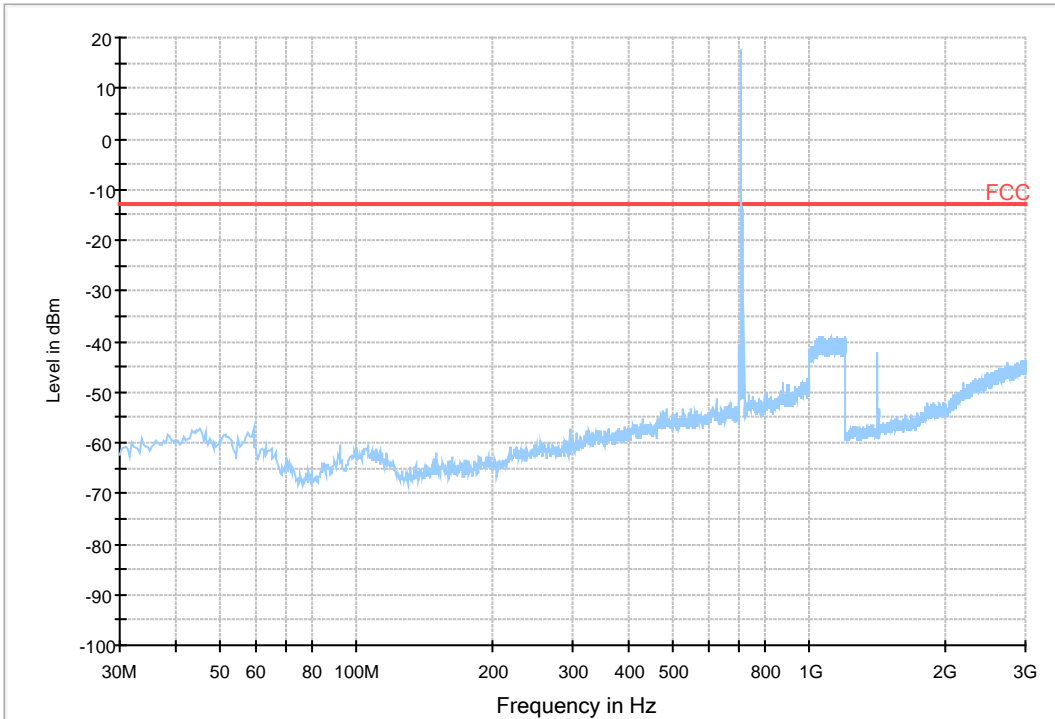


### 7.1.5 Test Band = BAND17

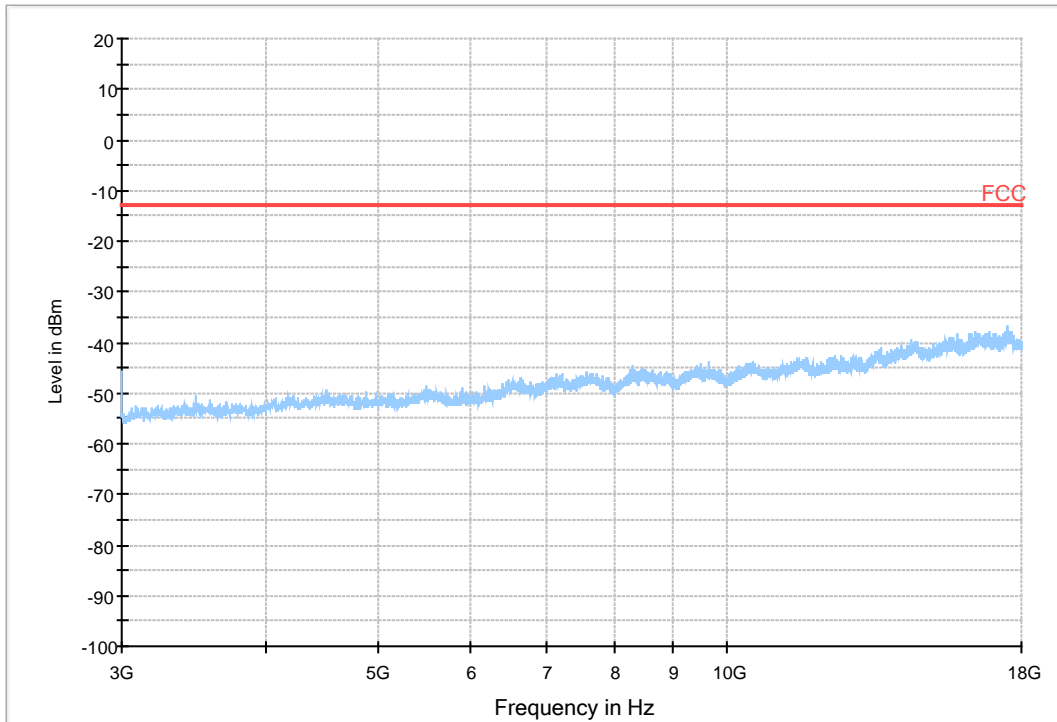
#### 7.1.5.1 Test Bandwidth = 5



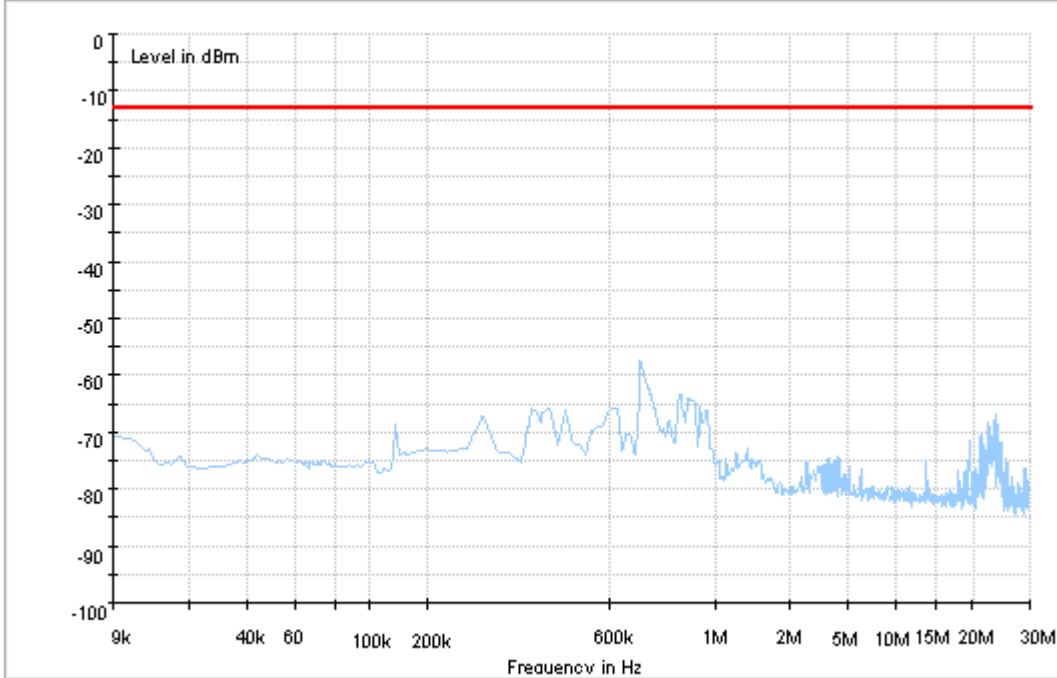
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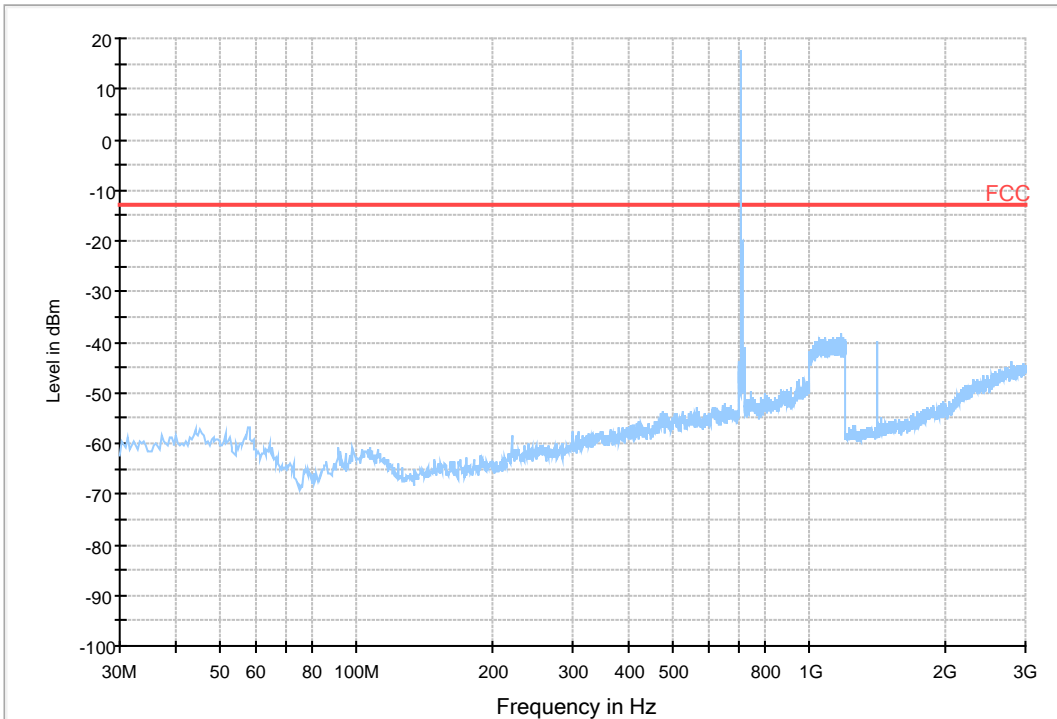
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



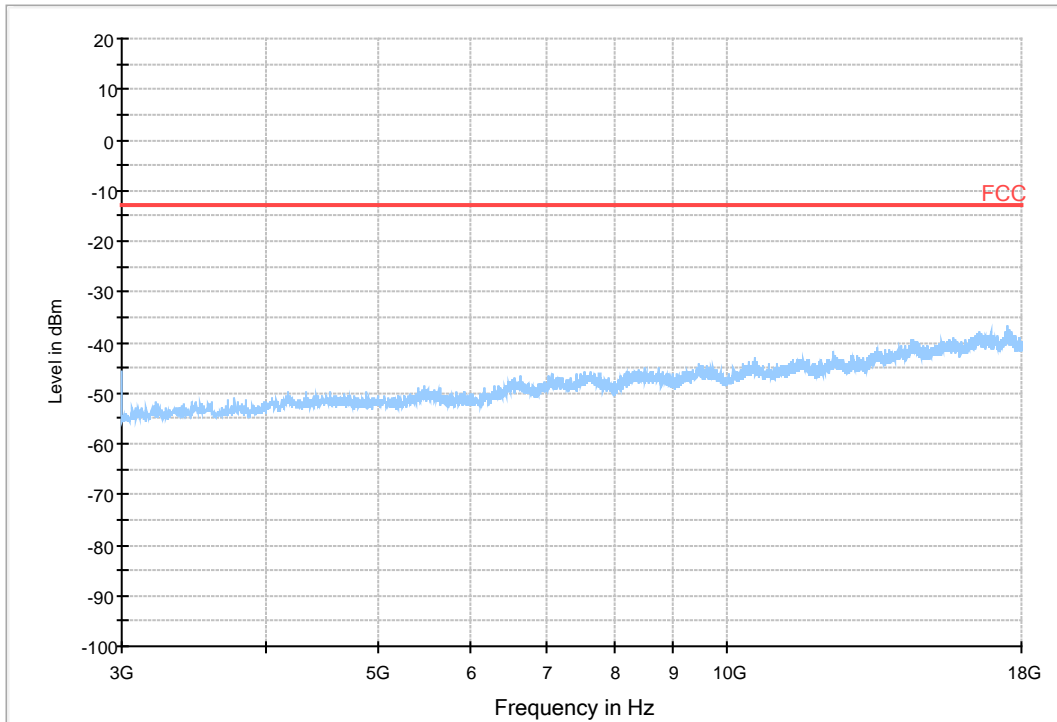
### 7.1.5.2 Test Bandwidth = 10



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



Copy of RSE-TX-DIRECTOR BELOW 1G\_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	1.7	0.00092	PASS
					VN	1.23	0.00066	PASS
					VH	0.74	0.0004	PASS
			MCH	TN	VL	0.07	0.00004	PASS
					VN	0.33	0.00018	PASS
					VH	0.2	0.00011	PASS
			HCH	TN	VL	0.11	0.00006	PASS
					VN	0.47	0.00025	PASS
					VH	1.14	0.0006	PASS
		3	LCH	TN	VL	-4.71	-0.00254	PASS
					VN	4.32	0.00233	PASS
					VH	3.68	0.00199	PASS
			MCH	TN	VL	3.48	0.00185	PASS
					VN	2.88	0.00153	PASS
					VH	-0.19	-0.0001	PASS
			HCH	TN	VL	4.92	0.00258	PASS
					VN	-3.68	-0.00193	PASS
					VH	-1.19	-0.00062	PASS
		5	LCH	TN	VL	-5.97	-0.00322	PASS
					VN	-11.12	-0.006	PASS
					VH	-2.79	-0.00151	PASS
			MCH	TN	VL	-6.71	-0.00357	PASS
					VN	2.27	0.00121	PASS
					VH	2.29	0.00122	PASS
			HCH	TN	VL	0.6	0.00031	PASS
					VN	-0.07	-0.00004	PASS
					VH	-1.75	-0.00092	PASS
10	LCH	TN	VL	-4.23	-0.00228	PASS		
			VN	0.7	0.00038	PASS		
			VH	-2.32	-0.00125	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	MCH	TN	VL	-2.83	-0.00151	PASS
					VN	-0.24	-0.00013	PASS
					VH	2.35	0.00125	PASS
			HCH	TN	VL	-1.99	-0.00104	PASS
					VN	-1.5	-0.00079	PASS
					VH	-5.11	-0.00268	PASS
			LCH	TN	VL	-7.31	-0.00394	PASS
					VN	-0.67	-0.00036	PASS
					VH	1.72	0.00093	PASS
		MCH	TN	VL	49.52	0.02634	PASS	
				VN	9.61	0.00511	PASS	
				VH	70.47	0.03748	PASS	
		HCH	TN	VL	-2.09	-0.0011	PASS	
				VN	-4.28	-0.00225	PASS	
				VH	-0.11	-0.00006	PASS	
		20	LCH	TN	VL	-33.82	-0.01818	PASS
					VN	-37.88	-0.02037	PASS
					VH	-35.38	-0.01902	PASS
			MCH	TN	VL	-2.29	-0.00122	PASS
					VN	-1.92	-0.00102	PASS
					VH	-1.2	-0.00064	PASS
			HCH	TN	VL	-6.29	-0.00331	PASS
					VN	-1.66	-0.00087	PASS
					VH	-4.81	-0.00253	PASS
		1.4	LCH	TN	VL	0.94	0.00051	PASS
					VN	1.29	0.0007	PASS
					VH	1.03	0.00056	PASS
			MCH	TN	VL	-0.01	-0.00001	PASS
					VN	-0.74	-0.00039	PASS
					VH	-0.27	-0.00014	PASS
			HCH	TN	VL	0.37	0.00019	PASS
					VN	-0.64	-0.00034	PASS
					VH	-0.06	-0.00003	PASS
		3	LCH	TN	VL	-2.62	-0.00142	PASS
					VN	-7.18	-0.00388	PASS
					VH	2.95	0.00159	PASS
			MCH	TN	VL	0.96	0.00051	PASS
					VN	-1.1	-0.00059	PASS
					VH	6.08	0.00323	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	VL	-0.63	-0.00033	PASS		
					VN	-5.65	-0.00296	PASS		
					VH	7.44	0.0039	PASS		
			5	LCH	TN	VL	0.96	0.00052	PASS	
						VN	1.34	0.00072	PASS	
						VH	-10.57	-0.00571	PASS	
				5	MCH	TN	VL	2.96	0.00157	PASS
							VN	-0.67	-0.00036	PASS
							VH	-1.97	-0.00105	PASS
		5			HCH	TN	VL	-3.38	-0.00177	PASS
							VN	-2.79	-0.00146	PASS
							VH	-5.56	-0.00291	PASS
		10	LCH	TN	VL	7.97	0.0043	PASS		
					VN	0.6	0.00032	PASS		
					VH	-2.33	-0.00126	PASS		
			10	MCH	TN	VL	-2.15	-0.00114	PASS	
						VN	-2.4	-0.00128	PASS	
						VH	2.93	0.00156	PASS	
				10	HCH	TN	VL	6.88	0.00361	PASS
							VN	-0.01	-0.00001	PASS
							VH	-1.46	-0.00077	PASS
		15	LCH	TN	VL	0.87	0.00047	PASS		
					VN	-2.09	-0.00113	PASS		
					VH	-2.12	-0.00114	PASS		
			15	MCH	TN	VL	119.08	0.06334	PASS	
						VN	-8.01	-0.00426	PASS	
						VH	89.81	0.04777	PASS	
				15	HCH	TN	VL	2.9	0.00152	PASS
							VN	-2.62	-0.00138	PASS
							VH	-4.46	-0.00234	PASS
		20	LCH	TN	VL	1.13	0.00061	PASS		
					VN	0.07	0.00004	PASS		
					VH	-0.6	-0.00032	PASS		
			20	MCH	TN	VL	-3.68	-0.00196	PASS	
						VN	-3.92	-0.00209	PASS	
						VH	-3.85	-0.00205	PASS	
				20	HCH	TN	VL	-3.09	-0.00163	PASS
							VN	-3.39	-0.00178	PASS
							VH	-2.43	-0.00128	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	1.1	0.00064	PASS
					VN	1.54	0.0009	PASS
					VH	1.54	0.0009	PASS
			MCH	TN	VL	-0.26	-0.00015	PASS
					VN	0.7	0.0004	PASS
					VH	-0.97	-0.00056	PASS
			HCH	TN	VL	-3.12	-0.00178	PASS
					VN	-2.46	-0.0014	PASS
					VH	-3.5	-0.002	PASS
		3	LCH	TN	VL	-0.63	-0.00037	PASS
					VN	1.6	0.00093	PASS
					VH	1.52	0.00089	PASS
			MCH	TN	VL	0.56	0.00032	PASS
					VN	-3.39	-0.00196	PASS
					VH	2.99	0.00173	PASS
			HCH	TN	VL	1.77	0.00101	PASS
					VN	1.09	0.00062	PASS
					VH	4.61	0.00263	PASS
		5	LCH	TN	VL	-5.49	-0.00321	PASS
					VN	-3.05	-0.00178	PASS
					VH	-9.8	-0.00572	PASS
			MCH	TN	VL	-4.88	-0.00282	PASS
					VN	-2.89	-0.00167	PASS
					VH	-0.87	-0.0005	PASS
			HCH	TN	VL	-7.78	-0.00444	PASS
					VN	-9.68	-0.00552	PASS
					VH	-9.64	-0.0055	PASS
		10	LCH	TN	VL	-2.7	-0.00157	PASS
					VN	-4.23	-0.00247	PASS
					VH	-2.03	-0.00118	PASS
			MCH	TN	VL	-0.64	-0.00037	PASS
					VN	-2.13	-0.00123	PASS
					VH	0.19	0.00011	PASS
			HCH	TN	VL	-0.6	-0.00034	PASS
					VN	1.97	0.00113	PASS
					VH	-0.73	-0.00042	PASS
		15	LCH	TN	VL	-1.63	-0.00095	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	-2.66	-0.00155	PASS	
					VH	-1.4	-0.00082	PASS	
					VL	-1.97	-0.00114	PASS	
			MCH	TN	VN	-0.86	-0.0005	PASS	
					VH	-0.14	-0.00008	PASS	
					VL	-4.15	-0.00237	PASS	
			HCH	TN	VN	-6.25	-0.00358	PASS	
					VH	-4.92	-0.00282	PASS	
					VL	2.93	0.0017	PASS	
		20	LCH	TN	VN	1.86	0.00108	PASS	
					VH	0.87	0.00051	PASS	
					VL	0.43	0.00025	PASS	
			MCH	TN	VN	0.43	0.00025	PASS	
					VH	0.19	0.00011	PASS	
					VL	-3.23	-0.00185	PASS	
			HCH	TN	VN	-3.4	-0.00195	PASS	
					VH	-3.62	-0.00207	PASS	
					VL	0.97	0.00057	PASS	
		LTE/TM2	1.4	LCH	TN	VN	1.4	0.00082	PASS
						VH	1.63	0.00095	PASS
						VL	-0.03	-0.00002	PASS
	MCH			TN	VN	0.6	0.00035	PASS	
					VH	0.59	0.00034	PASS	
					VL	-2.85	-0.00162	PASS	
	HCH			TN	VN	-1.93	-0.0011	PASS	
					VH	-2.49	-0.00142	PASS	
					VL	1.69	0.00099	PASS	
	3		LCH	TN	VN	3.23	0.00189	PASS	
					VH	-0.57	-0.00033	PASS	
					VL	-1.82	-0.00105	PASS	
			MCH	TN	VN	3.15	0.00182	PASS	
					VH	-0.93	-0.00054	PASS	
					VL	-0.6	-0.00034	PASS	
	HCH	TN	VN	0.21	0.00012	PASS			
			VH	1.65	0.00094	PASS			
			VL	1.66	0.00097	PASS			
	5	LCH	TN	VN	4.48	0.00262	PASS		
				VH	-2.52	-0.00147	PASS		
				VL	6.31	0.00364	PASS		
						VN	-2.66	-0.00155	PASS
						VH	-1.4	-0.00082	PASS
						VL	-1.97	-0.00114	PASS
MCH	TN	VN	-0.86	-0.0005	PASS				
		VH	-0.14	-0.00008	PASS				
		VL	-4.15	-0.00237	PASS				
HCH	TN	VN	-6.25	-0.00358	PASS				
		VH	-4.92	-0.00282	PASS				
		VL	2.93	0.0017	PASS				
20	LCH	TN	VN	1.86	0.00108	PASS			
			VH	0.87	0.00051	PASS			
			VL	0.43	0.00025	PASS			
	MCH	TN	VN	0.43	0.00025	PASS			
			VH	0.19	0.00011	PASS			
			VL	-3.23	-0.00185	PASS			
	HCH	TN	VN	-3.4	-0.00195	PASS			
			VH	-3.62	-0.00207	PASS			
			VL	0.97	0.00057	PASS			
LTE/TM2	1.4	LCH	TN	VN	1.4	0.00082	PASS		
				VH	1.63	0.00095	PASS		
				VL	-0.03	-0.00002	PASS		
		MCH	TN	VN	0.6	0.00035	PASS		
				VH	0.59	0.00034	PASS		
				VL	-2.85	-0.00162	PASS		
		HCH	TN	VN	-1.93	-0.0011	PASS		
				VH	-2.49	-0.00142	PASS		
				VL	1.69	0.00099	PASS		
	3	LCH	TN	VN	3.23	0.00189	PASS		
				VH	-0.57	-0.00033	PASS		
				VL	-1.82	-0.00105	PASS		
		MCH	TN	VN	3.15	0.00182	PASS		
				VH	-0.93	-0.00054	PASS		
				VL	-0.6	-0.00034	PASS		
HCH	TN	VN	0.21	0.00012	PASS				
		VH	1.65	0.00094	PASS				
		VL	1.66	0.00097	PASS				
5	LCH	TN	VN	4.48	0.00262	PASS			
			VH	-2.52	-0.00147	PASS			
			VL	6.31	0.00364	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	1.92	0.00111	PASS	
					VH	-0.06	-0.00003	PASS	
					VL	-2.2	-0.00126	PASS	
					VN	-1.97	-0.00112	PASS	
					VH	0.34	0.0002	PASS	
					VL	-2.79	-0.00163	PASS	
		10	LCH	TN	VN	-1.77	-0.00103	PASS	
					VH	-4.48	-0.00261	PASS	
					VL	1.3	0.00075	PASS	
			MCH	TN	VN	0.14	0.00008	PASS	
					VH	0.63	0.00036	PASS	
					VL	2.06	0.00118	PASS	
			HCH	TN	VN	1.67	0.00095	PASS	
					VH	1.85	0.00106	PASS	
					VL	-1.09	-0.00063	PASS	
			15	LCH	TN	VN	0.21	0.00012	PASS
						VH	1.49	0.00087	PASS
						VL	0.39	0.00023	PASS
		MCH		TN	VN	1.26	0.00073	PASS	
					VH	0.34	0.0002	PASS	
					VL	-4.65	-0.00266	PASS	
		HCH		TN	VN	-0.56	-0.00032	PASS	
					VH	-3.81	-0.00218	PASS	
					VL	0.86	0.0005	PASS	
		20		LCH	TN	VN	1.97	0.00115	PASS
						VH	1.16	0.00067	PASS
						VL	0.73	0.00042	PASS
			MCH	TN	VN	0.6	0.00035	PASS	
					VH	0.49	0.00028	PASS	
					VL	-3.52	-0.00202	PASS	
			HCH	TN	VN	-3.3	-0.00189	PASS	
					VH	-4.96	-0.00284	PASS	
					VL				

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	-0.51	-0.00062	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	-0.74	-0.0009	PASS		
					VH	-0.19	-0.00023	PASS		
					MCH	TN	VL	-0.2	-0.00024	PASS
							VN	-0.33	-0.00039	PASS
					VH	-0.53	-0.00063	PASS		
					HCH	TN	VL	-2.35	-0.00277	PASS
			VN	-1.06			-0.00125	PASS		
			VH	-0.21			-0.00025	PASS		
			3	LCH	TN	VL	-10.39	-0.01259	PASS	
						VN	-48.79	-0.0591	PASS	
						VH	-49.08	-0.05945	PASS	
				MCH	TN	VL	0.36	0.00043	PASS	
		VN				8.71	0.01041	PASS		
		VH				15.86	0.01896	PASS		
		HCH		TN	VL	18.68	0.02204	PASS		
					VN	-41.16	-0.04857	PASS		
					VH	-12.77	-0.01507	PASS		
		5		LCH	TN	VL	-6.85	-0.00829	PASS	
						VN	-3.38	-0.00409	PASS	
						VH	-5.72	-0.00692	PASS	
			MCH	TN	VL	-13.69	-0.01637	PASS		
					VN	-16.38	-0.01958	PASS		
					VH	6.85	0.00819	PASS		
			HCH	TN	VL	-1.46	-0.00172	PASS		
					VN	-9.8	-0.01158	PASS		
					VH	4.51	0.00533	PASS		
		10	LCH	TN	VL	9.5	0.01146	PASS		
					VN	-4.43	-0.00534	PASS		
					VH	9.21	0.01111	PASS		
			MCH	TN	VL	-267.13	-0.31934	PASS		
					VN	-165.95	-0.19839	PASS		
					VH	31.53	0.03769	PASS		
			HCH	TN	VL	-21.01	-0.02489	PASS		
					VN	-0.93	-0.0011	PASS		
					VH	3.55	0.00421	PASS		
		LTE/TM2	1.4	LCH	TN	VL	-1	-0.00121	PASS	
						VN	-1.2	-0.00146	PASS	
						VH	-0.93	-0.00113	PASS	
				MCH	TN	VL	-0.84	-0.001	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.09	-0.00011	PASS
					VH	-0.59	-0.00071	PASS
			HCH	TN	VL	2.3	0.00271	PASS
					VN	-30.57	-0.03604	PASS
					VH	-1.17	-0.00138	PASS
					VL	-17.95	-0.02174	PASS
		LCH	TN	VN	-7.32	-0.00887	PASS	
				VH	37.71	0.04568	PASS	
				VL	4.72	0.00564	PASS	
		MCH	TN	VN	-4.99	-0.00597	PASS	
				VH	-1.87	-0.00224	PASS	
				VL	-20.08	-0.02369	PASS	
		HCH	TN	VN	-24.23	-0.02859	PASS	
				VH	1.03	0.00122	PASS	
				VL	-13	-0.01573	PASS	
		5	LCH	TN	VN	-11.54	-0.01396	PASS
					VH	-2.4	-0.0029	PASS
					VL	1.65	0.00197	PASS
			MCH	TN	VN	-4.26	-0.00509	PASS
					VH	6.87	0.00821	PASS
					VL	-14.02	-0.01656	PASS
			HCH	TN	VN	-39.88	-0.04711	PASS
					VH	29.85	0.03526	PASS
					VL	4.73	0.00571	PASS
		10	LCH	TN	VN	23.69	0.02858	PASS
					VH	1.92	0.00232	PASS
					VL	-46.21	-0.05524	PASS
			MCH	TN	VN	-5.15	-0.00616	PASS
					VH	44.57	0.05328	PASS
					VL	19.6	0.02322	PASS
HCH	TN		VN	12.67	0.01501	PASS		
			VH	-9.97	-0.01181	PASS		
			VL	-0.07	-0.00009	PASS		
BAND13	LTE/TM1	5	LCH	TN	VN	0.09	0.00012	PASS
					VH	-1.53	-0.00196	PASS
					VL	-0.77	-0.00098	PASS
			MCH	TN	VN	-3.62	-0.00463	PASS
					VH	-1.95	-0.00249	PASS
					VL	1.49	0.0019	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	-0.34	-0.00043	PASS	
					VH	2.76	0.00352	PASS	
					VL	5.51	0.00705	PASS	
			VN	3.56	0.00455	PASS			
			VH	-0.4	-0.00051	PASS			
			VL	2.59	0.00331	PASS			
		MCH	TN	VN	1.69	0.00216	PASS		
				VH	0.8	0.00102	PASS		
				VL	6.12	0.00783	PASS		
		HCH	TN	VN	-1.19	-0.00152	PASS		
				VH	-6.48	-0.00829	PASS		
				VL	-0.06	-0.00008	PASS		
		LTE/TM2	5	LCH	TN	VN	-2.96	-0.0038	PASS
						VH	-1.82	-0.00233	PASS
						VL	3.6	0.0046	PASS
	MCH			TN	VN	1.65	0.00211	PASS	
					VH	-1.92	-0.00246	PASS	
					VL	-0.14	-0.00018	PASS	
	HCH		TN	VN	-0.33	-0.00042	PASS		
				VH	-1.73	-0.00221	PASS		
				VL	1.02	0.0013	PASS		
	10		LCH	TN	VN	-1.03	-0.00132	PASS	
					VH	-0.13	-0.00017	PASS	
					VL	0.64	0.00082	PASS	
			MCH	TN	VN	3.52	0.0045	PASS	
					VH	0.67	0.00086	PASS	
					VL	-1	-0.00128	PASS	
	HCH	TN	VN	3.19	0.00408	PASS			
			VH	0.44	0.00056	PASS			
			VL	-2.9	-0.0041	PASS			
BAND17	LTE/TM1	5	LCH	TN	VN	1.23	0.00174	PASS	
					VH	1.79	0.00253	PASS	
					VL	1.69	0.00238	PASS	
			MCH	TN	VN	1.8	0.00254	PASS	
					VH	1.44	0.00203	PASS	
					VL	0.31	0.00043	PASS	
		HCH	TN	VN	0.1	0.00014	PASS		
				VH	-0.77	-0.00108	PASS		
				VL	-2.93	-0.00413	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					VN	-4.03	-0.00568	PASS			
					VH	-7.38	-0.01041	PASS			
			MCH	TN	VL	-0.67	-0.00094	PASS			
					VN	-71.5	-0.1007	PASS			
					VH	-9.76	-0.01375	PASS			
					VL	5.19	0.0073	PASS			
			HCH	TN	VN	2	0.00281	PASS			
					VH	2.15	0.00302	PASS			
					5	LCH	TN	VL	-2.1	-0.00297	PASS
								VN	-4.75	-0.00672	PASS
			VH	-1.86				-0.00263	PASS		
			MCH	TN		VL	-1.7	-0.00239	PASS		
	VN	-1.93				-0.00272	PASS				
	VH	3.81				0.00537	PASS				
	HCH	TN	VL	-3.86	-0.00541	PASS					
			VN	0.41	0.00057	PASS					
			VH	-0.39	-0.00055	PASS					
	10	LCH	TN	VL	-1.13	-0.00159	PASS				
				VN	-1.57	-0.00221	PASS				
				VH	-5.82	-0.00821	PASS				
		MCH	TN	VL	0.51	0.00072	PASS				
				VN	0.86	0.00121	PASS				
				VH	0.26	0.00037	PASS				
		HCH	TN	VL	2.42	0.0034	PASS				
VN				1.54	0.00217	PASS					
VH				-2.79	-0.00392	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	12.96	0.007	PASS
					-20	-8.6	-0.00465	PASS
					-10	-0.62	-0.00034	PASS
					0	0.86	0.00046	PASS
					10	-7.57	-0.00409	PASS
					20	1.17	0.00063	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					30	3.99	0.00216	PASS	
					40	18.22	0.00984	PASS	
					50	-9.2	-0.00497	PASS	
			MCH	VN	-30	3.39	0.0018	PASS	
					-20	3.59	0.00191	PASS	
					-10	0.74	0.00039	PASS	
					0	-1	-0.00053	PASS	
					10	-12.83	-0.00682	PASS	
					20	12.35	0.00657	PASS	
					30	0.2	0.00011	PASS	
					40	-3.3	-0.00176	PASS	
					50	16.44	0.00874	PASS	
					HCH	VN	-30	-6.51	-0.00341
			-20	-6.82			-0.00357	PASS	
			-10	-8.45			-0.00443	PASS	
			0	-14.1			-0.00738	PASS	
			10	-5.92			-0.0031	PASS	
			20	-10.56			-0.00553	PASS	
		30	-5.24	-0.00274			PASS		
		3		LCH	VN	-30	2.68	0.00145	PASS
						-20	-0.66	-0.00036	PASS
						-10	0.56	0.0003	PASS
						0	1.14	0.00062	PASS
						10	0.3	0.00016	PASS
						20	-15.78	-0.00852	PASS
						30	1.37	0.00074	PASS
						40	-12.83	-0.00693	PASS
				MCH	VN	50	-0.76	-0.00041	PASS
						-30	-3.72	-0.00198	PASS
						-20	2.07	0.0011	PASS
						-10	1.93	0.00103	PASS
						0	-3.92	-0.00209	PASS
						10	9	0.00479	PASS
20	-4.45					-0.00237	PASS		
30	-1.34	-0.00071	PASS						
40	-3.13	-0.00166	PASS						
50	7.02	0.00373	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	4.08	0.00214	PASS
					-20	3.05	0.0016	PASS
					-10	-5.18	-0.00271	PASS
					0	-4.26	-0.00223	PASS
					10	3.83	0.00201	PASS
					20	-1.22	-0.00064	PASS
					30	-12.96	-0.00679	PASS
					40	-4.78	-0.0025	PASS
					50	6.91	0.00362	PASS
		5	LCH	VN	-30	1.16	0.00063	PASS
					-20	2.37	0.00128	PASS
					-10	4.55	0.00246	PASS
					0	-0.4	-0.00022	PASS
					10	3.26	0.00176	PASS
					20	0.46	0.00025	PASS
					30	0.27	0.00015	PASS
					40	0.41	0.00022	PASS
					50	1.7	0.00092	PASS
			MCH	VN	-30	0.04	0.00002	PASS
					-20	-0.24	-0.00013	PASS
					-10	-0.14	-0.00007	PASS
					0	-24.23	-0.01289	PASS
					10	-2.09	-0.00111	PASS
					20	-20.3	-0.0108	PASS
					30	-24.99	-0.01329	PASS
					40	-2.73	-0.00145	PASS
					50	1.22	0.00065	PASS
		HCH	VN	-30	-16.95	-0.00889	PASS	
				-20	1.56	0.00082	PASS	
				-10	-0.1	-0.00005	PASS	
				0	-0.7	-0.00037	PASS	
				10	-29.48	-0.01545	PASS	
				20	-1.75	-0.00092	PASS	
				30	-0.64	-0.00034	PASS	
				40	0.36	0.00019	PASS	
				50	-2.42	-0.00127	PASS	
		10	LCH	VN	-30	4.66	0.00251	PASS
					-20	0.93	0.0005	PASS
					-10	-0.14	-0.00008	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15			0	-2.19	-0.00118	PASS
					10	-0.2	-0.00011	PASS
					20	-28.91	-0.01558	PASS
					30	-0.92	-0.0005	PASS
					40	0.36	0.00019	PASS
					50	1.89	0.00102	PASS
			MCH	VN	-30	3.62	0.00193	PASS
					-20	-15.31	-0.00814	PASS
					-10	-27.49	-0.01462	PASS
					0	0.44	0.00023	PASS
					10	-1.62	-0.00086	PASS
					20	1.76	0.00094	PASS
					30	-1	-0.00053	PASS
					40	-0.64	-0.00034	PASS
			HCH	VN	50	-19.6	-0.01043	PASS
					-30	-1.85	-0.00097	PASS
					-20	5.09	0.00267	PASS
					-10	-28.15	-0.01478	PASS
					0	-12.7	-0.00667	PASS
					10	-28.32	-0.01487	PASS
					20	5.78	0.00303	PASS
					30	1.42	0.00075	PASS
			LCH	VN	40	-0.86	-0.00045	PASS
					50	0.97	0.00051	PASS
		-30			1.42	0.00076	PASS	
		-20			0.6	0.00032	PASS	
		-10			-0.37	-0.0002	PASS	
		0			1.07	0.00058	PASS	
		10			0.56	0.0003	PASS	
		20			0.36	0.00019	PASS	
		MCH	VN	30	-18.84	-0.01014	PASS	
				40	-16.94	-0.00912	PASS	
				50	-15.81	-0.00851	PASS	
				-30	8.28	0.0044	PASS	
				-20	-4.63	-0.00246	PASS	
				-10	-99.95	-0.05316	PASS	
0	-0.09	-0.00005	PASS					
10	2.9	0.00154	PASS					
20	-2.85	-0.00152	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-1.19	-0.00063	PASS		
					40	-1.13	-0.0006	PASS		
					50	-0.16	-0.00009	PASS		
			HCH	VN	-30	-14.86	-0.00781	PASS		
					-20	-0.26	-0.00014	PASS		
					-10	-0.62	-0.00033	PASS		
					0	-0.82	-0.00043	PASS		
					10	-0.67	-0.00035	PASS		
					20	-0.23	-0.00012	PASS		
					30	-15.45	-0.00812	PASS		
					40	-1.54	-0.00081	PASS		
					50	-14.12	-0.00742	PASS		
					LCH	VN	-30	5.99	0.00322	PASS
							-20	-5.78	-0.00311	PASS
							-10	3.95	0.00212	PASS
		0	1.43	0.00077			PASS			
		10	-0.56	-0.0003			PASS			
		20	0.6	0.00032			PASS			
		30	-7.74	-0.00416			PASS			
		40	-15.19	-0.00817			PASS			
		50	-17.7	-0.00952			PASS			
		MCH	VN	-30	0.07	0.00004	PASS			
				-20	0.76	0.0004	PASS			
				-10	-0.09	-0.00005	PASS			
				0	-0.5	-0.00027	PASS			
				10	0.83	0.00044	PASS			
				20	-1.04	-0.00055	PASS			
				30	-2.29	-0.00122	PASS			
				40	-0.17	-0.00009	PASS			
				50	-0.44	-0.00023	PASS			
		HCH	VN	-30	0.6	0.00032	PASS			
				-20	-2	-0.00105	PASS			
				-10	-1.03	-0.00054	PASS			
				0	-0.26	-0.00014	PASS			
				10	0.51	0.00027	PASS			
				20	-0.23	-0.00012	PASS			
				30	-0.26	-0.00014	PASS			
				40	0.37	0.00019	PASS			
				50	-0.19	-0.0001	PASS			
		20					-30	5.99	0.00322	PASS
-20	-5.78						-0.00311	PASS		
-10	3.95						0.00212	PASS		
LCH	VN				0	1.43	0.00077	PASS		
					10	-0.56	-0.0003	PASS		
					20	0.6	0.00032	PASS		
					30	-7.74	-0.00416	PASS		
					40	-15.19	-0.00817	PASS		
					50	-17.7	-0.00952	PASS		
MCH	VN			-30	0.07	0.00004	PASS			
				-20	0.76	0.0004	PASS			
				-10	-0.09	-0.00005	PASS			
				0	-0.5	-0.00027	PASS			
				10	0.83	0.00044	PASS			
				20	-1.04	-0.00055	PASS			
HCH	VN	-30	0.6	0.00032	PASS					
		-20	-2	-0.00105	PASS					
		-10	-1.03	-0.00054	PASS					
		0	-0.26	-0.00014	PASS					
		10	0.51	0.00027	PASS					
		20	-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
	LTE/TM2	1.4	LCH	VN	-30	2.59	0.0014	PASS
					-20	4.25	0.0023	PASS
					-10	-12.5	-0.00675	PASS
					0	0.11	0.00006	PASS
					10	2.16	0.00117	PASS
					20	-9.63	-0.0052	PASS
					30	5.19	0.0028	PASS
					40	-0.87	-0.00047	PASS
			50	-3.56	-0.00192	PASS		
			MCH	VN	-30	7.82	0.00416	PASS
					-20	1.67	0.00089	PASS
					-10	-1.52	-0.00081	PASS
					0	7.42	0.00395	PASS
					10	0.43	0.00023	PASS
					20	-9.81	-0.00522	PASS
					30	-2.16	-0.00115	PASS
					40	-13.63	-0.00725	PASS
			50	2.75	0.00146	PASS		
			HCH	VN	-30	12.73	0.00667	PASS
					-20	0.97	0.00051	PASS
					-10	-9.47	-0.00496	PASS
					0	-7.34	-0.00384	PASS
					10	-4.65	-0.00244	PASS
					20	3.18	0.00167	PASS
		30			3.79	0.00199	PASS	
		40			22.39	0.01173	PASS	
		50	-18.81	-0.00985	PASS			
		3	LCH	VN	-30	-12.6	-0.00681	PASS
					-20	-9.47	-0.00511	PASS
					-10	-0.54	-0.00029	PASS
					0	-1.59	-0.00086	PASS
					10	-7.77	-0.0042	PASS
					20	-2.39	-0.00129	PASS
					30	1.26	0.00068	PASS
					40	1.2	0.00065	PASS
			50	-16.15	-0.00872	PASS		
MCH	VN		-30	-3.32	-0.00177	PASS		
			-20	-6.29	-0.00335	PASS		
			-10	3.18	0.00169	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	4.65	0.00247	PASS
					10	-4.32	-0.0023	PASS
					20	-11.3	-0.00601	PASS
					30	3.91	0.00208	PASS
					40	-3.3	-0.00176	PASS
					50	-3.13	-0.00166	PASS
			HCH	VN	-30	-5.01	-0.00263	PASS
					-20	-8.33	-0.00436	PASS
					-10	2.13	0.00112	PASS
					0	5.24	0.00275	PASS
					10	3.08	0.00161	PASS
					20	3.95	0.00207	PASS
					30	-7.41	-0.00388	PASS
					40	1.37	0.00072	PASS
		50	2.23	0.00117	PASS			
		5	LCH	VN	-30	1.96	0.00106	PASS
					-20	1.7	0.00092	PASS
					-10	4.18	0.00226	PASS
					0	1.69	0.00091	PASS
					10	2.78	0.0015	PASS
					20	3.29	0.00178	PASS
					30	-29.91	-0.01615	PASS
					40	0.79	0.00043	PASS
					50	0.53	0.00029	PASS
			MCH	VN	-30	-0.86	-0.00046	PASS
					-20	-22.47	-0.01195	PASS
					-10	-1.2	-0.00064	PASS
					0	-27.97	-0.01488	PASS
					10	-1.46	-0.00078	PASS
					20	0.87	0.00046	PASS
					30	1.8	0.00096	PASS
					40	-7.84	-0.00417	PASS
			50	-30.18	-0.01605	PASS		
		HCH	VN	-30	0.84	0.00044	PASS	
				-20	-18.9	-0.00991	PASS	
				-10	-29.35	-0.01539	PASS	
				0	0.73	0.00038	PASS	
				10	-26.19	-0.01373	PASS	
				20	-30.56	-0.01602	PASS	





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-24.79	-0.013	PASS		
					40	0.24	0.00013	PASS		
					50	-0.41	-0.00021	PASS		
		10	LCH	VN	-30	1.77	0.00095	PASS		
					-20	-0.44	-0.00024	PASS		
					-10	0.44	0.00024	PASS		
					0	-1.17	-0.00063	PASS		
					10	-0.33	-0.00018	PASS		
					20	1.8	0.00097	PASS		
					30	-1.63	-0.00088	PASS		
					40	1.76	0.00095	PASS		
					50	-0.74	-0.0004	PASS		
					MCH	VN	-30	-2.96	-0.00157	PASS
							-20	-2.23	-0.00119	PASS
							-10	-20.14	-0.01071	PASS
							0	0.92	0.00049	PASS
							10	-4.48	-0.00238	PASS
							20	-1.66	-0.00088	PASS
			30	-3.05			-0.00162	PASS		
			40	-0.34			-0.00018	PASS		
			50	-3.76			-0.002	PASS		
			HCH	VN			-30	-1.02	-0.00054	PASS
							-20	-20.08	-0.01054	PASS
							-10	-9.73	-0.00511	PASS
					0	-17.25	-0.00906	PASS		
					10	-26.36	-0.01384	PASS		
					20	-3.33	-0.00175	PASS		
			15	LCH	VN	30	1.22	0.00064	PASS	
						40	0.49	0.00026	PASS	
						50	3.28	0.00172	PASS	
		-30				1.17	0.00063	PASS		
		-20				-16.29	-0.00877	PASS		
		-10				-16.84	-0.00907	PASS		
0	-0.79	-0.00043				PASS				
10	-1.59	-0.00086				PASS				
20	0.4	0.00022				PASS				
30	-13.99	-0.00753	PASS							
40	0.74	0.0004	PASS							
50	-0.69	-0.00037	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	0.51	0.00027	PASS
					-20	0.17	0.00009	PASS
					-10	-4.32	-0.0023	PASS
					0	-0.26	-0.00014	PASS
					10	-0.84	-0.00045	PASS
					20	-1.87	-0.00099	PASS
					30	0.1	0.00005	PASS
					40	-7.18	-0.00382	PASS
					50	-3.16	-0.00168	PASS
			HCH	VN	-30	-0.43	-0.00023	PASS
					-20	-0.2	-0.00011	PASS
					-10	1.24	0.00065	PASS
					0	1.53	0.0008	PASS
					10	0.37	0.00019	PASS
					20	1.67	0.00088	PASS
					30	-0.36	-0.00019	PASS
					40	-0.76	-0.0004	PASS
					50	-0.72	-0.00038	PASS
		20	LCH	VN	-30	0.31	0.00017	PASS
					-20	0.63	0.00034	PASS
					-10	-0.23	-0.00012	PASS
					0	1.62	0.00087	PASS
					10	-12.25	-0.00659	PASS
					20	-29.37	-0.01579	PASS
					30	-118.9	-0.06392	PASS
					40	-1.19	-0.00064	PASS
					50	16.57	0.00891	PASS
			MCH	VN	-30	-0.27	-0.00014	PASS
					-20	-1.17	-0.00062	PASS
					-10	-1.19	-0.00063	PASS
					0	2.25	0.0012	PASS
					10	0.57	0.0003	PASS
					20	-0.23	-0.00012	PASS
					30	1.13	0.0006	PASS
					40	1.36	0.00072	PASS
					50	-0.14	-0.00007	PASS
		HCH	VN	-30	-0.53	-0.00028	PASS	
				-20	0.96	0.00051	PASS	
				-10	0.93	0.00049	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	0.04	0.00002	PASS
					10	-0.33	-0.00017	PASS
					20	-1.49	-0.00078	PASS
					30	-1.76	-0.00093	PASS
					40	0.92	0.00048	PASS
					50	0.73	0.00038	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	6.01	0.00351	PASS
					-20	0.87	0.00051	PASS
					-10	2.47	0.00144	PASS
					0	-0.29	-0.00017	PASS
					10	0.07	0.00004	PASS
					20	2.09	0.00122	PASS
					30	2.03	0.00119	PASS
					40	-2.3	-0.00134	PASS
					50	0.41	0.00024	PASS
			MCH	VN	-30	-1.82	-0.00105	PASS
					-20	2.35	0.00136	PASS
					-10	0.89	0.00051	PASS
					0	0.62	0.00036	PASS
					10	4.73	0.00273	PASS
					20	1.43	0.00083	PASS
					30	1.22	0.0007	PASS
					40	-0.63	-0.00036	PASS
					50	0.79	0.00046	PASS
		HCH	VN	-30	-3.1	-0.00177	PASS	
				-20	-2.13	-0.00121	PASS	
				-10	-0.36	-0.00021	PASS	
				0	-1.07	-0.00061	PASS	
				10	-0.86	-0.00049	PASS	
				20	-1.34	-0.00076	PASS	
				30	-2.17	-0.00124	PASS	
				40	-0.76	-0.00043	PASS	
				50	-3.53	-0.00201	PASS	
3	LCH	VN	-30	2.88	0.00168	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	0.06	0.00004	PASS
					-10	-7.72	-0.00451	PASS
					0	1.33	0.00078	PASS
					10	0.57	0.00033	PASS
					20	1.77	0.00103	PASS
					30	-4.68	-0.00273	PASS
					40	0.31	0.00018	PASS
					50	4.99	0.00292	PASS
			MCH	VN	-30	-0.86	-0.0005	PASS
					-20	-0.6	-0.00035	PASS
					-10	-0.99	-0.00057	PASS
					0	1.63	0.00094	PASS
					10	0.69	0.0004	PASS
					20	0.33	0.00019	PASS
					30	4.51	0.0026	PASS
					40	0.1	0.00006	PASS
			HCH	VN	-30	0.83	0.00047	PASS
					-20	1.86	0.00106	PASS
					-10	0.56	0.00032	PASS
					0	1.43	0.00082	PASS
					10	1.09	0.00062	PASS
					20	-2.29	-0.00131	PASS
					30	-8.27	-0.00472	PASS
					40	-8.51	-0.00485	PASS
		5	LCH	VN	-30	2.45	0.00143	PASS
					-20	2.53	0.00148	PASS
					-10	-4.85	-0.00283	PASS
					0	-2.03	-0.00119	PASS
					10	0.99	0.00058	PASS
					20	1.54	0.0009	PASS
					30	-4.05	-0.00236	PASS
					40	0.31	0.00018	PASS
			50	-16.32	-0.00953	PASS		
			MCH	VN	-30	0.51	0.00029	PASS
					-20	-4.95	-0.00286	PASS
					-10	-0.86	-0.0005	PASS
0	0.87	0.0005			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		
					20	0.26	0.00015	PASS		
					30	1.14	0.00066	PASS		
					40	1.12	0.00065	PASS		
					50	0.13	0.00008	PASS		
			HCH	VN	-30	-0.93	-0.00053	PASS		
					-20	-4.88	-0.00278	PASS		
					-10	-1.04	-0.00059	PASS		
					0	-0.63	-0.00036	PASS		
					10	-7.4	-0.00422	PASS		
					20	-12.87	-0.00734	PASS		
					30	0.66	0.00038	PASS		
					40	0.84	0.00048	PASS		
					50	-1.22	-0.0007	PASS		
					LCH	VN	-30	1	0.00058	PASS
							-20	-16.35	-0.00953	PASS
							-10	0.51	0.0003	PASS
							0	-11.23	-0.00655	PASS
							10	-7.81	-0.00455	PASS
							20	1.3	0.00076	PASS
		30	-10.4	-0.00606			PASS			
		40	0.31	0.00018			PASS			
		50	-0.72	-0.00042			PASS			
		MCH	VN	-30			-13.79	-0.00796	PASS	
				-20	0.36	0.00021	PASS			
				-10	0.19	0.00011	PASS			
				0	-0.86	-0.0005	PASS			
				10	-5.28	-0.00305	PASS			
				20	-4.88	-0.00282	PASS			
				30	3.55	0.00205	PASS			
				40	-0.51	-0.00029	PASS			
				50	-0.06	-0.00003	PASS			
		HCH	VN	-30	2.19	0.00125	PASS			
				-20	0.72	0.00041	PASS			
				-10	0.5	0.00029	PASS			
				0	-2.19	-0.00125	PASS			
				10	1.39	0.00079	PASS			
				20	-0.11	-0.00006	PASS			
				30	1.19	0.00068	PASS			
		10					-30	1	0.00058	PASS
-20	-16.35						-0.00953	PASS		
-10	0.51						0.0003	PASS		
0	-11.23						-0.00655	PASS		
10	-7.81						-0.00455	PASS		
20	1.3						0.00076	PASS		
30	-10.4						-0.00606	PASS		
40	0.31						0.00018	PASS		
50	-0.72						-0.00042	PASS		
-30	-13.79						-0.00796	PASS		
-20	0.36	0.00021	PASS							
-10	0.19	0.00011	PASS							
0	-0.86	-0.0005	PASS							
10	-5.28	-0.00305	PASS							
20	-4.88	-0.00282	PASS							
30	3.55	0.00205	PASS							
40	-0.51	-0.00029	PASS							
50	-0.06	-0.00003	PASS							
-30	2.19	0.00125	PASS							
-20	0.72	0.00041	PASS							
-10	0.5	0.00029	PASS							
0	-2.19	-0.00125	PASS							
10	1.39	0.00079	PASS							
20	-0.11	-0.00006	PASS							
30	1.19	0.00068	PASS							

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	1.06	0.00061	PASS
					50	-1.1	-0.00063	PASS
		15	LCH	VN	-30	1.47	0.00086	PASS
					-20	-1.4	-0.00082	PASS
					-10	-0.13	-0.00008	PASS
					0	1.17	0.00068	PASS
					10	-7.4	-0.00431	PASS
					20	0.17	0.0001	PASS
					30	-0.39	-0.00023	PASS
					40	-0.72	-0.00042	PASS
					50	0.57	0.00033	PASS
			MCH	VN	-30	-0.59	-0.00034	PASS
					-20	-0.44	-0.00025	PASS
					-10	1.03	0.00059	PASS
					0	-0.83	-0.00048	PASS
					10	-0.7	-0.0004	PASS
					20	-0.72	-0.00042	PASS
					30	2.02	0.00117	PASS
					40	1.87	0.00108	PASS
					50	-0.03	-0.00002	PASS
		HCH	VN	-30	1.06	0.00061	PASS	
				-20	0.09	0.00005	PASS	
				-10	-2.57	-0.00147	PASS	
				0	1.5	0.00086	PASS	
				10	-2.78	-0.00159	PASS	
				20	3.35	0.00192	PASS	
				30	-3.08	-0.00176	PASS	
				40	1.53	0.00088	PASS	
				50	0.4	0.00023	PASS	
		20	LCH	VN	-30	-1.52	-0.00088	PASS
					-20	-0.13	-0.00008	PASS
					-10	0.86	0.0005	PASS
					0	0.29	0.00017	PASS
10	-0.46				-0.00027	PASS		
20	0.41				0.00024	PASS		
30	1.73				0.00101	PASS		
40	0.56				0.00033	PASS		
50	0.53				0.00031	PASS		
MCH	VN		-30	-0.14	-0.00008	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.03	-0.00002	PASS
					-10	-0.56	-0.00032	PASS
					0	-0.11	-0.00006	PASS
					10	-1.65	-0.00095	PASS
					20	1.46	0.00084	PASS
					30	-0.87	-0.0005	PASS
					40	0.86	0.0005	PASS
					50	-2	-0.00115	PASS
					HCH	VN	-30	0.51
			-20	-1.07			-0.00061	PASS
			-10	-1.13			-0.00065	PASS
			0	-0.97			-0.00056	PASS
			10	-0.56			-0.00032	PASS
			20	-1.65			-0.00095	PASS
			30	1.54			0.00088	PASS
			40	-1.75			-0.001	PASS
			50	-0.09			-0.00005	PASS
			LTE/TM2	1.4	LCH	VN	-30	-0.87
	-20	-1.1					-0.00064	PASS
	-10	2.1					0.00123	PASS
	0	2.49					0.00146	PASS
	10	1.8					0.00105	PASS
	20	-4.32					-0.00253	PASS
	30	1.66					0.00097	PASS
	40	1.85					0.00108	PASS
	50	1.63					0.00095	PASS
	MCH	VN			-30	-0.67	-0.00039	PASS
					-20	-3.92	-0.00226	PASS
					-10	2.83	0.00163	PASS
					0	-0.74	-0.00043	PASS
					10	-3.73	-0.00215	PASS
					20	-0.4	-0.00023	PASS
					30	-1.29	-0.00074	PASS
					40	3.49	0.00201	PASS
					50	1.3	0.00075	PASS
	HCH	VN	-30	-1.7	-0.00097	PASS		
-20			-2.09	-0.00119	PASS			
-10			-0.43	-0.00025	PASS			
0			-2.35	-0.00134	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-1.59	-0.00091	PASS		
					20	-5.74	-0.00327	PASS		
					30	0.19	0.00011	PASS		
					40	-0.31	-0.00018	PASS		
					50	-0.77	-0.00044	PASS		
		3	LCH	VN	-30	-1.73	-0.00101	PASS		
					-20	0.41	0.00024	PASS		
					-10	1.85	0.00108	PASS		
					0	3.05	0.00178	PASS		
					10	1.54	0.0009	PASS		
					20	1.86	0.00109	PASS		
					30	2.65	0.00155	PASS		
					40	1.82	0.00106	PASS		
					50	-0.9	-0.00053	PASS		
					MCH	VN	-30	-5.85	-0.00338	PASS
							-20	-6.57	-0.00379	PASS
							-10	-10.24	-0.00591	PASS
							0	1.82	0.00105	PASS
							10	1.33	0.00077	PASS
							20	0.54	0.00031	PASS
		30	-5.45	-0.00315			PASS			
		40	1.83	0.00106			PASS			
		HCH	VN	-30	1.96	0.00112	PASS			
				-20	-3.08	-0.00176	PASS			
				-10	-5.35	-0.00305	PASS			
				0	1.03	0.00059	PASS			
				10	-6.19	-0.00353	PASS			
				20	0.96	0.00055	PASS			
				30	0.94	0.00054	PASS			
				40	-0.76	-0.00043	PASS			
5	LCH	VN	-30	-13.22	-0.00772	PASS				
			-20	-0.37	-0.00022	PASS				
			-10	-9.84	-0.00575	PASS				
			0	-0.87	-0.00051	PASS				
			10	-11.46	-0.00669	PASS				
			20	0.07	0.00004	PASS				
			30	0.7	0.00041	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	-0.00105	PASS
					50	-0.01	-0.00001	PASS
			MCH	VN	-30	-7.98	-0.00461	PASS
					-20	1.14	0.00066	PASS
					-10	-0.5	-0.00029	PASS
					0	2	0.00115	PASS
					10	-2.9	-0.00167	PASS
					20	-0.87	-0.0005	PASS
					30	-0.63	-0.00036	PASS
					40	-2.29	-0.00132	PASS
					50	1.76	0.00102	PASS
					HCH	VN	-30	-2.2
			-20	-9.2			-0.00525	PASS
			-10	-1.67			-0.00095	PASS
			0	-0.34			-0.00019	PASS
			10	-0.3			-0.00017	PASS
			20	-5.79			-0.0033	PASS
			30	-1.06			-0.0006	PASS
		40	-1.96	-0.00112			PASS	
		50	-0.74	-0.00042	PASS			
		10	LCH	VN	-30	2.9	0.00169	PASS
					-20	0.1	0.00006	PASS
					-10	-12.37	-0.00721	PASS
					0	0.21	0.00012	PASS
					10	-2.98	-0.00174	PASS
					20	-1.76	-0.00103	PASS
					30	0.04	0.00002	PASS
					40	0.72	0.00042	PASS
					50	-10.71	-0.00624	PASS
			MCH	VN	-30	0.51	0.00029	PASS
					-20	0.01	0.00001	PASS
					-10	0.44	0.00025	PASS
					0	0.92	0.00053	PASS
10	-10.34				-0.00597	PASS		
20	-0.29				-0.00017	PASS		
30	-8.97	-0.00518	PASS					
40	-1.24	-0.00072	PASS					
50	-11.96	-0.0069	PASS					
HCH	VN	-30	-11.46	-0.00655	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	0.73	0.00042	PASS		
					-10	1.2	0.00069	PASS		
					0	-0.44	-0.00025	PASS		
					10	-8.47	-0.00484	PASS		
					20	1.9	0.00109	PASS		
					30	0.5	0.00029	PASS		
					40	0.64	0.00037	PASS		
					50	-6.27	-0.00358	PASS		
		15	LCH	VN	-30	0.92	0.00054	PASS		
					-20	2.07	0.00121	PASS		
					-10	-1.1	-0.00064	PASS		
					0	-4.36	-0.00254	PASS		
					10	-0.27	-0.00016	PASS		
					20	0.09	0.00005	PASS		
					30	-0.79	-0.00046	PASS		
					40	0.19	0.00011	PASS		
					50	0.99	0.00058	PASS		
					MCH	VN	-30	1.06	0.00061	PASS
							-20	-1.14	-0.00066	PASS
							-10	0.21	0.00012	PASS
			0	-0.39			-0.00023	PASS		
			10	0.8			0.00046	PASS		
			20	-1.52			-0.00088	PASS		
			30	-0.26			-0.00015	PASS		
			40	1.34			0.00077	PASS		
			50	1.03			0.00059	PASS		
			HCH	VN			-30	-0.83	-0.00047	PASS
							-20	-1.56	-0.00089	PASS
							-10	0.43	0.00025	PASS
					0	-0.47	-0.00027	PASS		
					10	0.93	0.00053	PASS		
					20	1.92	0.0011	PASS		
		30			-0.2	-0.00011	PASS			
		40			-1.04	-0.0006	PASS			
		50	0.59	0.00034	PASS					
		20	LCH	VN	-30	0.82	0.00048	PASS		
-20	-0.73				-0.00042	PASS				
-10	0.79				0.00046	PASS				
0	-0.73				-0.00042	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.23	0.00013	PASS
					20	0.2	0.00012	PASS
					30	-1.14	-0.00066	PASS
					40	-0.09	-0.00005	PASS
					50	0.83	0.00048	PASS
			MCH	VN	-30	0.54	0.00031	PASS
					-20	0.26	0.00015	PASS
					-10	0.27	0.00016	PASS
					0	0.54	0.00031	PASS
					10	-0.27	-0.00016	PASS
					20	0.17	0.0001	PASS
					30	-2.26	-0.0013	PASS
					40	1.16	0.00067	PASS
			HCH	VN	50	0.79	0.00046	PASS
					-30	0.86	0.00049	PASS
					-20	-2.23	-0.00128	PASS
					-10	-1.99	-0.00114	PASS
					0	-1.8	-0.00103	PASS
					10	-0.63	-0.00036	PASS
					20	-0.09	-0.00005	PASS
					30	0.43	0.00025	PASS
			40	-0.47	-0.00027	PASS		
			50	-1.54	-0.00088	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	VN	-30	-0.03	-0.00004	PASS
					-20	-0.16	-0.00019	PASS
					-10	0.7	0.00085	PASS
					0	-0.62	-0.00075	PASS
					10	0.19	0.00023	PASS
					20	0.06	0.00007	PASS
					30	-0.26	-0.00032	PASS
					40	0.06	0.00007	PASS
					50	0.43	0.00052	PASS
			MCH	VN	-30	0.09	0.00011	PASS
					-20	-0.51	-0.00061	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-0.4	-0.00048	PASS
					0	-0.3	-0.00036	PASS
					10	0.04	0.00005	PASS
					20	-0.33	-0.00039	PASS
					30	-0.39	-0.00047	PASS
					40	-0.46	-0.00055	PASS
					50	0.07	0.00008	PASS
			HCH	VN	-30	0.56	0.00066	PASS
					-20	24.6	0.029	PASS
					-10	100.48	0.11845	PASS
					0	1.8	0.00212	PASS
					10	21.53	0.02538	PASS
					20	-28.64	-0.03376	PASS
					30	28.31	0.03337	PASS
					40	-22.77	-0.02684	PASS
		50	-2.36	-0.00278	PASS			
		3	LCH	VN	-30	-4.68	-0.00567	PASS
					-20	-20.7	-0.02508	PASS
					-10	4.45	0.00539	PASS
					0	-3.52	-0.00426	PASS
					10	-16.04	-0.01943	PASS
					20	-0.46	-0.00056	PASS
					30	6.67	0.00808	PASS
					40	-12.9	-0.01563	PASS
			50	-2.99	-0.00362	PASS		
			MCH	VN	-30	-1.73	-0.00207	PASS
					-20	-5.92	-0.00708	PASS
					-10	2.78	0.00332	PASS
					0	3.99	0.00477	PASS
					10	8.34	0.00997	PASS
					20	0.39	0.00047	PASS
		30			-4.45	-0.00532	PASS	
		40	5.54	0.00662	PASS			
		50	4.26	0.00509	PASS			
		HCH	VN	-30	1.65	0.00195	PASS	
				-20	9.41	0.0111	PASS	
				-10	-54.73	-0.06458	PASS	
				0	8.15	0.00962	PASS	
				10	17.67	0.02085	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-19.25	-0.02271	PASS		
					30	-14.76	-0.01742	PASS		
					40	3.45	0.00407	PASS		
					50	57.78	0.06818	PASS		
		5	LCH	VN	-30	3.06	0.0037	PASS		
					-20	5.39	0.00652	PASS		
					-10	-6.75	-0.00817	PASS		
					0	-6.48	-0.00784	PASS		
					10	-23.36	-0.02826	PASS		
					20	1.75	0.00212	PASS		
					30	-3.06	-0.0037	PASS		
					40	-15.94	-0.01929	PASS		
					50	-11.06	-0.01338	PASS		
					MCH	VN	-30	0.76	0.00091	PASS
							-20	15.75	0.01883	PASS
							-10	10.23	0.01223	PASS
							0	10.03	0.01199	PASS
							10	9.88	0.01181	PASS
							20	26.22	0.03134	PASS
							30	45.02	0.05382	PASS
			40	-8.58			-0.01026	PASS		
			HCH	VN	-30	-18.08	-0.02136	PASS		
					-20	2.29	0.00271	PASS		
					-10	-9.51	-0.01123	PASS		
					0	-10.86	-0.01283	PASS		
					10	1.33	0.00157	PASS		
					20	7.75	0.00916	PASS		
					30	-1.7	-0.00201	PASS		
					40	-1.69	-0.002	PASS		
			10	LCH	VN	-30	-7.75	-0.00935	PASS	
						-20	-6.32	-0.00762	PASS	
						-10	38.87	0.04689	PASS	
		0				-5.95	-0.00718	PASS		
		10				-3.22	-0.00388	PASS		
		20				-45.48	-0.05486	PASS		
		30				2.68	0.00323	PASS		
		40				3.71	0.00448	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	50	-15.41	-0.01859	PASS
					-30	-66.95	-0.08004	PASS
					-20	5.58	0.00667	PASS
					-10	-13.23	-0.01582	PASS
					0	64.83	0.0775	PASS
					10	7.78	0.0093	PASS
					20	35.46	0.04239	PASS
					30	1.13	0.00135	PASS
			40	99.91	0.11944	PASS		
			50	-70.5	-0.08428	PASS		
			HCH	VN	-30	5.21	0.00617	PASS
					-20	-4.94	-0.00585	PASS
					-10	-5.38	-0.00637	PASS
					0	-13.16	-0.01559	PASS
					10	-4.21	-0.00499	PASS
					20	1.43	0.00169	PASS
	30	6.07			0.00719	PASS		
	40	5.34			0.00633	PASS		
	50	4.26	0.00505	PASS				
	LTE/TM2	1.4	LCH	VN	-30	-0.66	-0.0008	PASS
					-20	0.1	0.00012	PASS
					-10	-0.64	-0.00078	PASS
					0	-1.95	-0.00236	PASS
					10	-0.54	-0.00065	PASS
					20	-0.93	-0.00113	PASS
					30	-1.39	-0.00169	PASS
					40	-0.9	-0.00109	PASS
			50	-0.79	-0.00096	PASS		
			MCH	VN	-30	-0.96	-0.00115	PASS
					-20	-0.74	-0.00088	PASS
					-10	-0.54	-0.00065	PASS
					0	-0.93	-0.00111	PASS
10					-0.14	-0.00017	PASS	
20					-0.9	-0.00108	PASS	
30					-1.26	-0.00151	PASS	
40	-1.92	-0.0023			PASS			
50	-0.8	-0.00096	PASS					
HCH	VN	-30	32.46	0.03826	PASS			
		-20	39.44	0.04649	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	3.19	0.00376	PASS		
					0	-11.42	-0.01346	PASS		
					10	13.25	0.01562	PASS		
					20	-16.72	-0.01971	PASS		
					30	-6.01	-0.00708	PASS		
					40	-28	-0.03301	PASS		
					50	-0.97	-0.00114	PASS		
		3	LCH	VN	-30	-69.15	-0.08377	PASS		
					-20	1.1	0.00133	PASS		
					-10	-34.56	-0.04187	PASS		
					0	18.28	0.02214	PASS		
					10	-20.47	-0.0248	PASS		
					20	4.12	0.00499	PASS		
					30	0.53	0.00064	PASS		
					40	42.51	0.0515	PASS		
					50	-11.93	-0.01445	PASS		
					MCH	VN	-30	-3.45	-0.00412	PASS
							-20	1.99	0.00238	PASS
							-10	-1.77	-0.00212	PASS
							0	-5.49	-0.00656	PASS
							10	4.56	0.00545	PASS
							20	-0.3	-0.00036	PASS
							30	-1.39	-0.00166	PASS
							40	-2.06	-0.00246	PASS
					HCH	VN	-30	4.16	0.00491	PASS
							-20	7.51	0.00886	PASS
							-10	-3.58	-0.00422	PASS
							0	-2.39	-0.00282	PASS
		10	-9.77	-0.01153			PASS			
		20	-27.74	-0.03273			PASS			
		30	24.53	0.02894			PASS			
		40	30.27	0.03572			PASS			
		5	LCH	VN	-30	-9.33	-0.01129	PASS		
					-20	-33.12	-0.04007	PASS		
					-10	-10.41	-0.0126	PASS		
					0	-9.44	-0.01142	PASS		
					10	-12.33	-0.01492	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-37.45	-0.04531	PASS
					30	-4.69	-0.00567	PASS
					40	7.3	0.00883	PASS
					50	2.98	0.00361	PASS
			MCH	VN	-30	6.45	0.00771	PASS
					-20	6.72	0.00803	PASS
					-10	8.24	0.00985	PASS
					0	25.29	0.03023	PASS
					10	-11.76	-0.01406	PASS
					20	11	0.01315	PASS
					30	5.31	0.00635	PASS
					40	4.61	0.00551	PASS
			HCH	VN	50	0.3	0.00036	PASS
					-30	-20.11	-0.02376	PASS
					-20	7.17	0.00847	PASS
					-10	11.74	0.01387	PASS
		0			7.17	0.00847	PASS	
		10			7.3	0.00862	PASS	
		20			-4.11	-0.00486	PASS	
		30			14.25	0.01683	PASS	
		10	LCH	VN	40	-7.08	-0.00836	PASS
					50	-11.44	-0.01351	PASS
					-30	25.59	0.03087	PASS
					-20	16.91	0.0204	PASS
					-10	-8.51	-0.01027	PASS
					0	-42.2	-0.0509	PASS
					10	2.86	0.00345	PASS
					20	46.94	0.05662	PASS
			MCH	VN	30	-16.14	-0.01947	PASS
					40	-4.21	-0.00508	PASS
					50	-6.04	-0.00729	PASS
					-30	-19.27	-0.02304	PASS
-20	16.78				0.02006	PASS		
-10	15.28				0.01827	PASS		
0	-70.95				-0.08482	PASS		
10	-47.34				-0.05659	PASS		
20	-23.82	-0.02848	PASS					
30	6.17	0.00738	PASS					
40	-55.12	-0.06589	PASS					





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
BAND13	LTE/TM1	5	HCH	VN	50	8.17	0.00977	PASS		
					-30	-30.47	-0.0361	PASS		
					-20	-29.28	-0.03469	PASS		
					-10	-11.12	-0.01318	PASS		
					0	-16.88	-0.02	PASS		
					10	-26.91	-0.03188	PASS		
					20	-14.86	-0.01761	PASS		
					30	-6.97	-0.00826	PASS		
					40	-14.59	-0.01729	PASS		
		50	-20.83	-0.02468	PASS					
		BAND13	LTE/TM1	5	LCH	VN	-30	0.11	0.00014	PASS
							-20	-1.69	-0.00217	PASS
							-10	-1.3	-0.00167	PASS
							0	0.41	0.00053	PASS
							10	0.01	0.00001	PASS
							20	1.86	0.00239	PASS
							30	1.26	0.00162	PASS
40	-2.55						-0.00327	PASS		
50	-0.79						-0.00101	PASS		
MCH	VN				-30	2.86	0.00366	PASS		
					-20	1.83	0.00234	PASS		
					-10	0.39	0.0005	PASS		
					0	-0.33	-0.00042	PASS		
					10	1.34	0.00171	PASS		
					20	-0.99	-0.00127	PASS		
					30	0.8	0.00102	PASS		
					40	0.94	0.0012	PASS		
					50	3.98	0.00509	PASS		
HCH	VN			-30	-5.66	-0.00721	PASS			
				-20	-0.33	-0.00042	PASS			
				-10	-5.81	-0.00741	PASS			
				0	0.77	0.00098	PASS			
				10	4.35	0.00554	PASS			
				20	0.24	0.00031	PASS			
				30	-3.42	-0.00436	PASS			
				40	-7.37	-0.00939	PASS			
				50	2.5	0.00319	PASS			
10	LCH	VN	-30	5.32	0.0068	PASS				
			-20	-3.89	-0.00497	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-3.72	-0.00476	PASS
					0	3.08	0.00394	PASS
					10	-1.1	-0.00141	PASS
					20	-1.07	-0.00137	PASS
					30	1.75	0.00224	PASS
					40	-1.69	-0.00216	PASS
					50	-5.05	-0.00646	PASS
			MCH	VN	-30	-1.22	-0.00156	PASS
					-20	-3.93	-0.00503	PASS
					-10	-3.55	-0.00454	PASS
					0	-6.75	-0.00863	PASS
					10	-2.32	-0.00297	PASS
					20	-1.59	-0.00203	PASS
					30	-7.74	-0.0099	PASS
			HCH	VN	40	-1.07	-0.00137	PASS
					50	-6.18	-0.0079	PASS
					-30	-2.6	-0.00332	PASS
					-20	-0.31	-0.0004	PASS
					-10	-6.22	-0.00795	PASS
					0	5.01	0.00641	PASS
					10	-2.99	-0.00382	PASS
			LCH	VN	20	-3.59	-0.00459	PASS
					30	-2.83	-0.00362	PASS
					40	-7.3	-0.00934	PASS
					50	-6.71	-0.00858	PASS
					-30	-1.16	-0.00149	PASS
					-20	-0.87	-0.00112	PASS
					-10	-3.63	-0.00466	PASS
	MCH	VN	0	-3.92	-0.00503	PASS		
			10	-1.36	-0.00174	PASS		
			20	-1.36	-0.00174	PASS		
			30	2.35	0.00301	PASS		
40			-3.29	-0.00422	PASS			
50			-1.04	-0.00133	PASS			
-30			2.3	0.00294	PASS			
	LTE/TM2	5			-20	0.21	0.00027	PASS
					-10	-3.35	-0.00428	PASS
					0	3.02	0.00386	PASS
					10	1.62	0.00207	PASS
					50	-1.04	-0.00133	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	0.7	0.0009	PASS
					30	-4.49	-0.00574	PASS
					40	5.18	0.00662	PASS
					50	2.1	0.00269	PASS
			HCH	VN	-30	0.21	0.00027	PASS
					-20	0.04	0.00005	PASS
					-10	4.49	0.00572	PASS
					0	-3.53	-0.0045	PASS
					10	0.99	0.00126	PASS
					20	0.09	0.00011	PASS
					30	0.36	0.00046	PASS
					40	-3.85	-0.00491	PASS
			50	3.19	0.00407	PASS		
			LCH	VN	-30	0.53	0.00068	PASS
					-20	2.29	0.00293	PASS
					-10	-0.54	-0.00069	PASS
		0			3.02	0.00386	PASS	
		10			-2	-0.00256	PASS	
		20			-0.89	-0.00114	PASS	
		30			5.58	0.00714	PASS	
		40			-0.43	-0.00055	PASS	
		50	3.75	0.0048	PASS			
		MCH	VN	-30	-0.17	-0.00022	PASS	
				-20	3.29	0.00421	PASS	
				-10	0.56	0.00072	PASS	
				0	-0.77	-0.00098	PASS	
				10	-1.43	-0.00183	PASS	
				20	3.29	0.00421	PASS	
				30	2.17	0.00277	PASS	
				40	0.63	0.00081	PASS	
		50	1.52	0.00194	PASS			
		HCH	VN	-30	2.33	0.00298	PASS	
-20	4.61			0.0059	PASS			
-10	5.09			0.00651	PASS			
0	1			0.00128	PASS			
10	0.74			0.00095	PASS			
20	3			0.00384	PASS			
30	4.71			0.00602	PASS			
40	-0.1			-0.00013	PASS			
10					-30	0.53	0.00068	PASS
					-20	2.29	0.00293	PASS
					-10	-0.54	-0.00069	PASS
					0	3.02	0.00386	PASS
			LCH	VN	10	-2	-0.00256	PASS
					20	-0.89	-0.00114	PASS
					30	5.58	0.00714	PASS
					40	-0.43	-0.00055	PASS
		MCH	VN	50	3.75	0.0048	PASS	
				-30	-0.17	-0.00022	PASS	
				-20	3.29	0.00421	PASS	
				-10	0.56	0.00072	PASS	
				0	-0.77	-0.00098	PASS	
				10	-1.43	-0.00183	PASS	
				20	3.29	0.00421	PASS	
				30	2.17	0.00277	PASS	
40	0.63	0.00081	PASS					
50	1.52	0.00194	PASS					
HCH	VN	-30	2.33	0.00298	PASS			
		-20	4.61	0.0059	PASS			
		-10	5.09	0.00651	PASS			
		0	1	0.00128	PASS			
		10	0.74	0.00095	PASS			
		20	3	0.00384	PASS			
		30	4.71	0.00602	PASS			
		40	-0.1	-0.00013	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	-4.49	-0.00574	PASS
BAND17	LTE/TM1	5	LCH	VN	-30	1.72	0.00243	PASS
					-20	0.66	0.00093	PASS
					-10	0.5	0.00071	PASS
					0	0.57	0.00081	PASS
					10	-1.62	-0.00229	PASS
					20	0.83	0.00117	PASS
					30	1.87	0.00265	PASS
					40	0.09	0.00013	PASS
			50	2.09	0.00296	PASS		
			MCH	VN	-30	2.26	0.00318	PASS
					-20	0.8	0.00113	PASS
					-10	0.33	0.00046	PASS
					0	-2.17	-0.00306	PASS
					10	2.72	0.00383	PASS
					20	-0.9	-0.00127	PASS
					30	3.1	0.00437	PASS
		40			2.23	0.00314	PASS	
		HCH	VN	-30	0.43	0.0006	PASS	
				-20	-1.66	-0.00233	PASS	
				-10	-0.33	-0.00046	PASS	
				0	-2.2	-0.00308	PASS	
				10	0.2	0.00028	PASS	
				20	-0.29	-0.00041	PASS	
				30	4.41	0.00618	PASS	
				40	4.21	0.0059	PASS	
		10	LCH	VN	-30	3.53	0.00498	PASS
					-20	3.45	0.00487	PASS
					-10	4.03	0.00568	PASS
					0	2.05	0.00289	PASS
					10	4.76	0.00671	PASS
					20	5.91	0.00834	PASS
					30	6.54	0.00922	PASS
40	5.98				0.00843	PASS		
50	12.4		0.01749	PASS				
MCH	VN		-30	7.58	0.01068	PASS		
			-20	-0.29	-0.00041	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	0.73	0.00103	PASS
					0	2.8	0.00394	PASS
					10	5.25	0.00739	PASS
					20	1.73	0.00244	PASS
					30	5.35	0.00754	PASS
					40	9.84	0.01386	PASS
					50	7.78	0.01096	PASS
			HCH	VN	-30	9.07	0.01276	PASS
					-20	8.54	0.01201	PASS
					-10	3.12	0.00439	PASS
					0	4.91	0.00691	PASS
					10	3.86	0.00543	PASS
					20	4.23	0.00595	PASS
					30	5.84	0.00821	PASS
					40	1.32	0.00186	PASS
					50	2.3	0.00323	PASS
	LTE/TM2	5	LCH	VN	-30	-0.14	-0.0002	PASS
					-20	3.22	0.00456	PASS
					-10	0.72	0.00102	PASS
					0	-2.8	-0.00396	PASS
					10	-0.84	-0.00119	PASS
					20	-1.52	-0.00215	PASS
					30	-0.47	-0.00067	PASS
					40	0.19	0.00027	PASS
			50	-3.62	-0.00512	PASS		
			MCH	VN	-30	2.1	0.00296	PASS
					-20	0.77	0.00108	PASS
					-10	0.53	0.00075	PASS
					0	-1.73	-0.00244	PASS
					10	-0.6	-0.00085	PASS
					20	-3.48	-0.0049	PASS
					30	-0.16	-0.00023	PASS
40	0.72	0.00101	PASS					
50	1.43	0.00201	PASS					
HCH	VN	-30	-3.56	-0.00499	PASS			
		-20	0.99	0.00139	PASS			
		-10	1.95	0.00273	PASS			
		0	1.1	0.00154	PASS			
		10	3.93	0.00551	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	0.00245	PASS			
					30	0.01	0.00001	PASS			
					40	2.27	0.00318	PASS			
					50	2.72	0.00381	PASS			
		10		LCH	VN	-30	1.5	0.00212	PASS		
						-20	0.11	0.00016	PASS		
						-10	-2.9	-0.00409	PASS		
						0	2.09	0.00295	PASS		
						10	-2.47	-0.00348	PASS		
						20	-1.3	-0.00183	PASS		
						30	0.09	0.00013	PASS		
						40	-5.76	-0.00812	PASS		
						50	4.01	0.00566	PASS		
						MCH	VN	-30	-2.35	-0.00331	PASS
								-20	-5.59	-0.00787	PASS
								-10	-2.68	-0.00377	PASS
								0	1.59	0.00224	PASS
								10	-0.4	-0.00056	PASS
								20	-3.49	-0.00492	PASS
								30	2.75	0.00387	PASS
				40	-1.8			-0.00254	PASS		
				HCH	VN	-30	-1.85	-0.0026	PASS		
						-20	-1.63	-0.00229	PASS		
						-10	-0.67	-0.00094	PASS		
						0	0.1	0.00014	PASS		
						10	2.7	0.0038	PASS		
						20	4.42	0.00622	PASS		
						30	-0.43	-0.0006	PASS		
						40	-0.62	-0.00087	PASS		
				50	-5.55	-0.00781	PASS				

END