

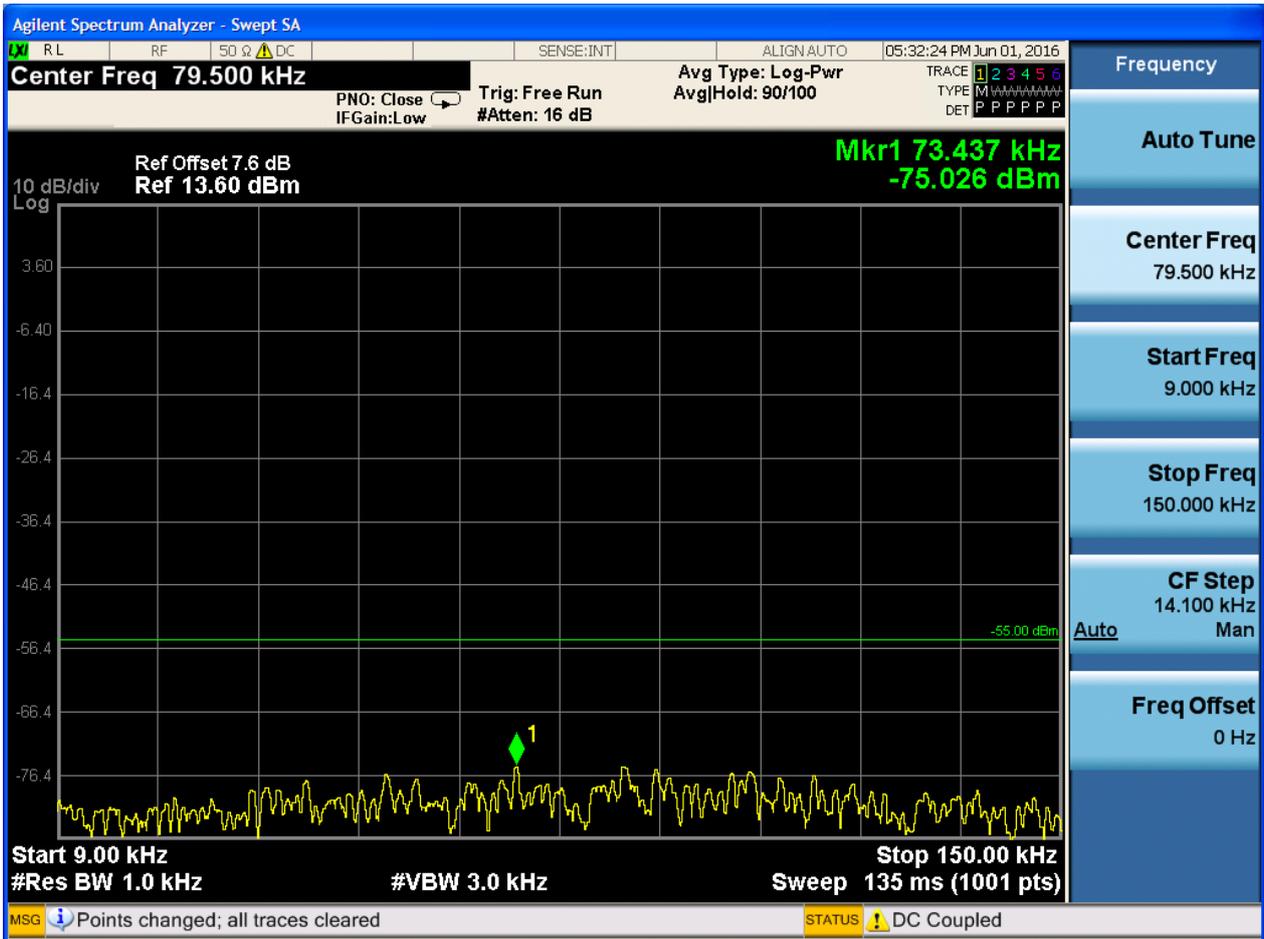




6.1.2.1.4 Test Bandwidth = 20

6.1.2.1.4.1 Test Channel = LCH

6.1.2.1.4.1.1 Test RB = RB1#0



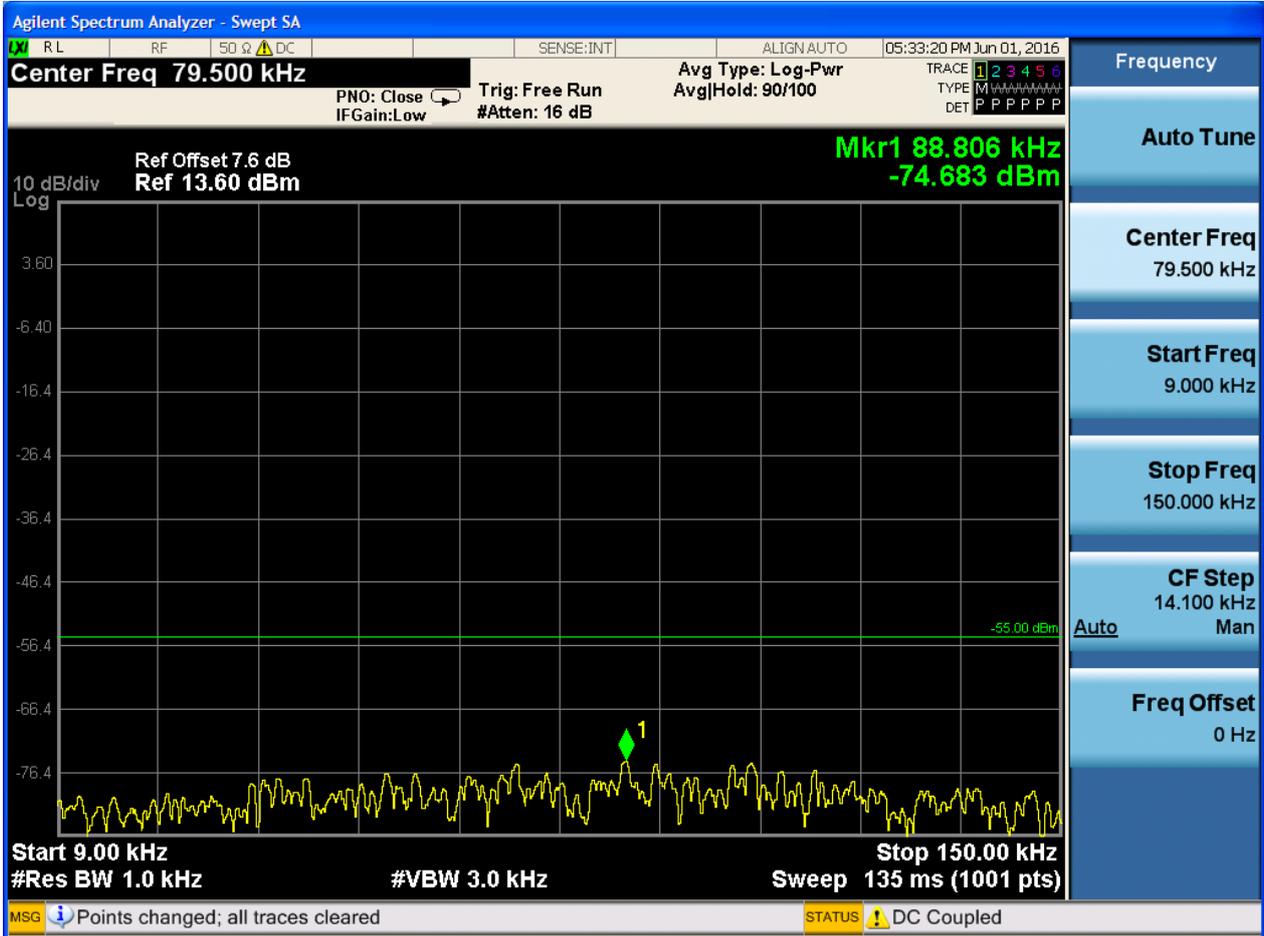


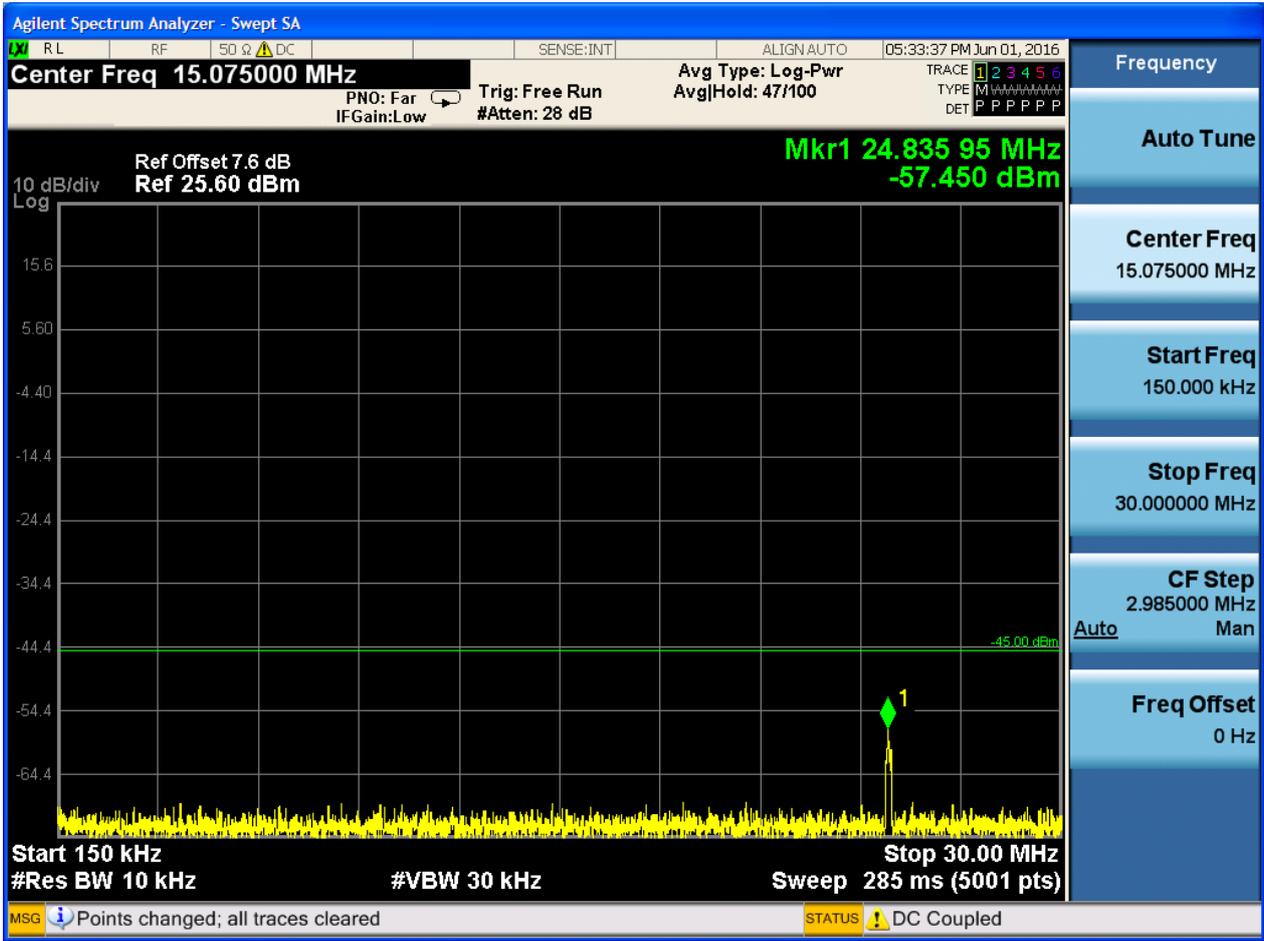


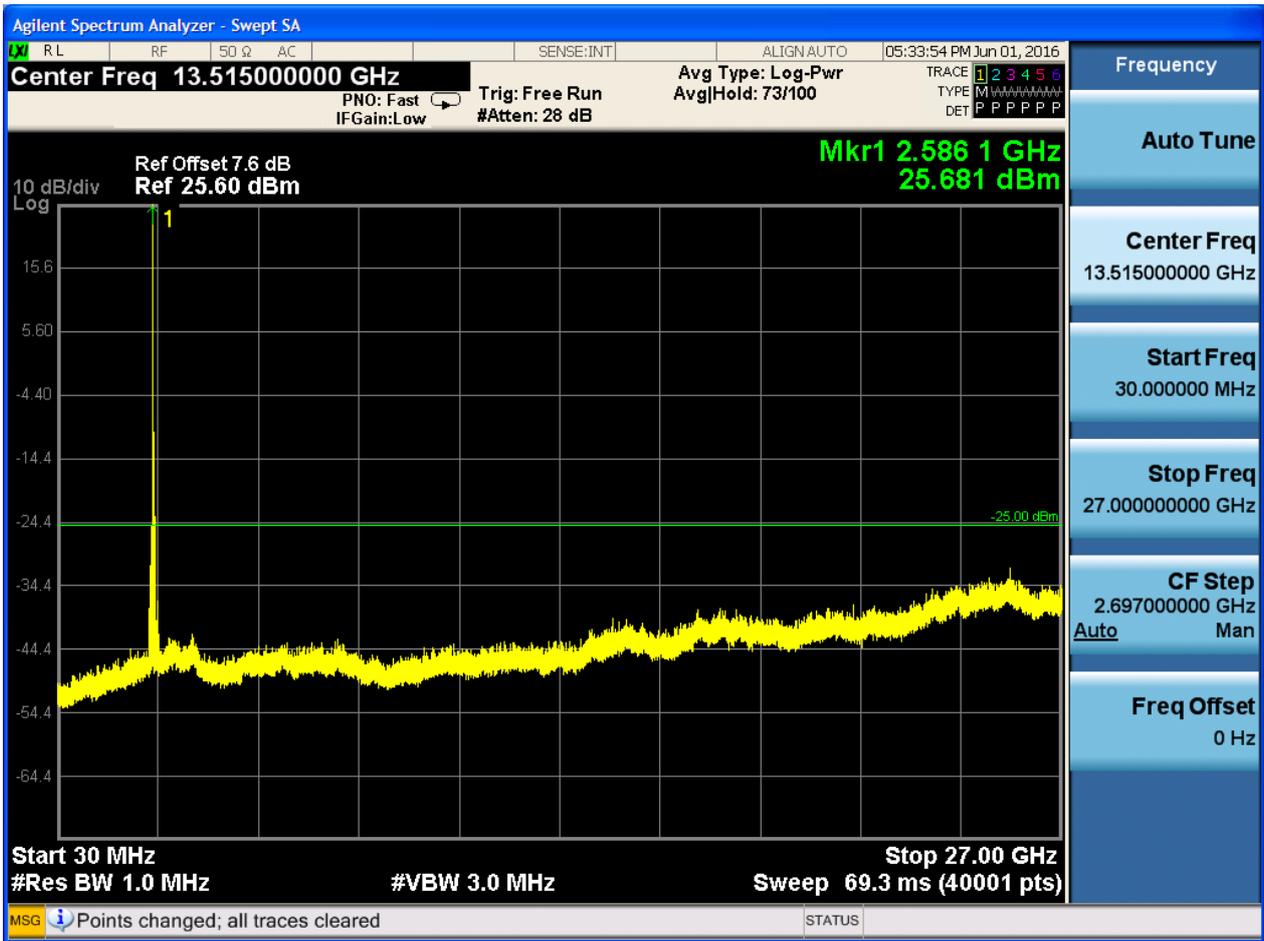


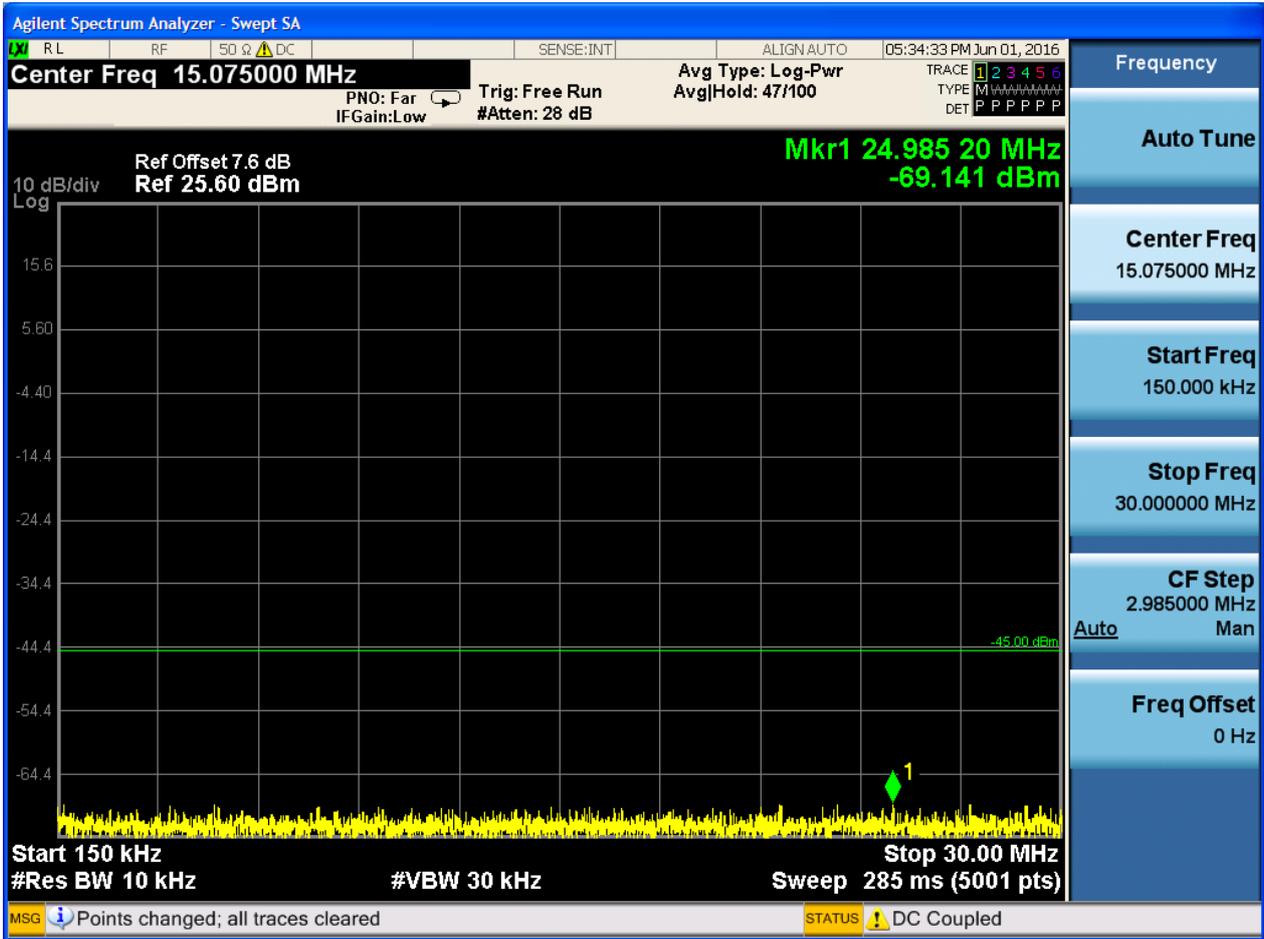
6.1.2.1.4.2 Test Channel = MCH

6.1.2.1.4.2.1 Test RB = RB1#0











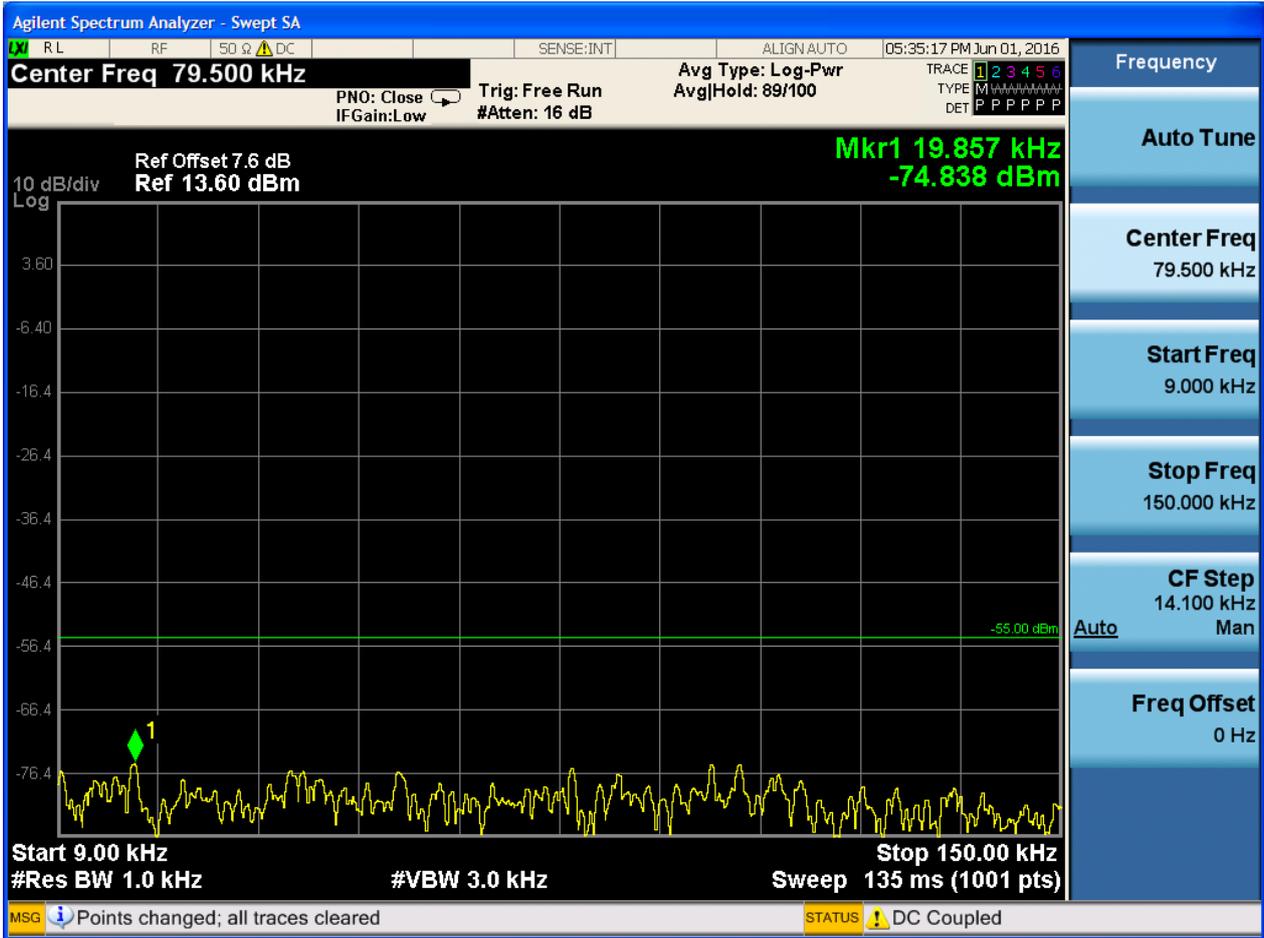


6.1.2.2 Test Mode = LTE/TM2

6.1.2.2.1 Test Bandwidth = 5

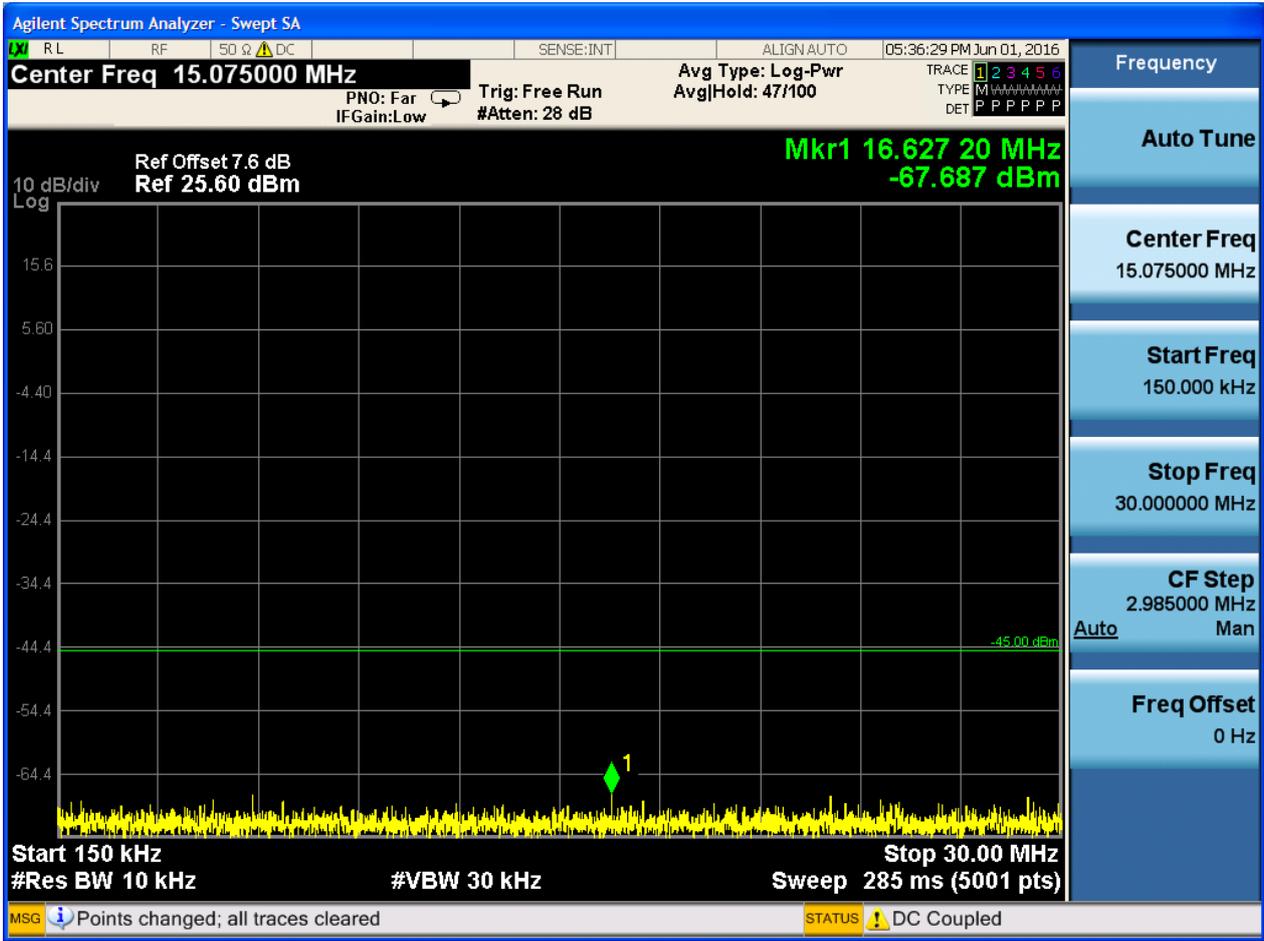
6.1.2.2.1.1 Test Channel = LCH

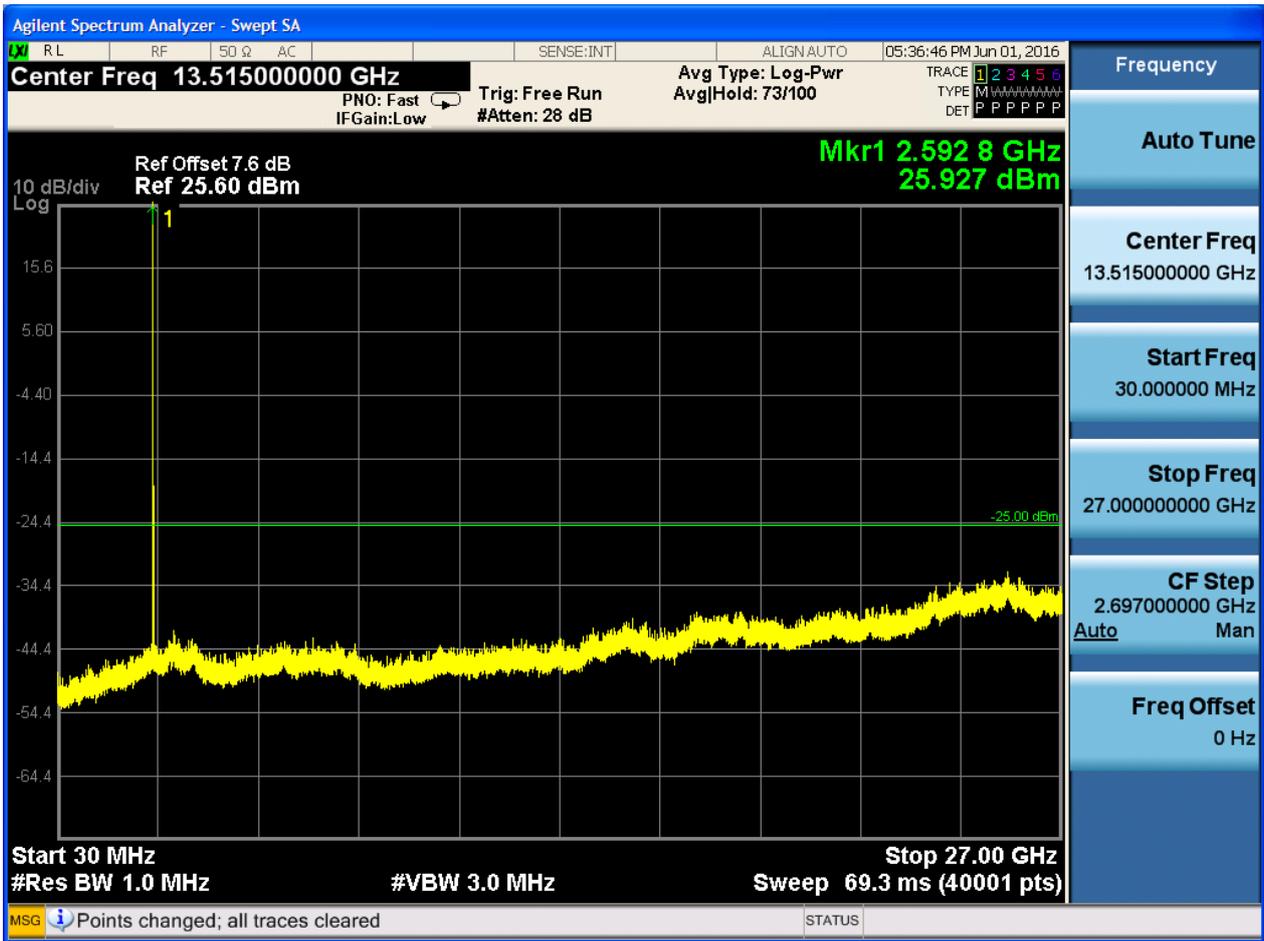
6.1.2.2.1.1.1 Test RB = RB1#0

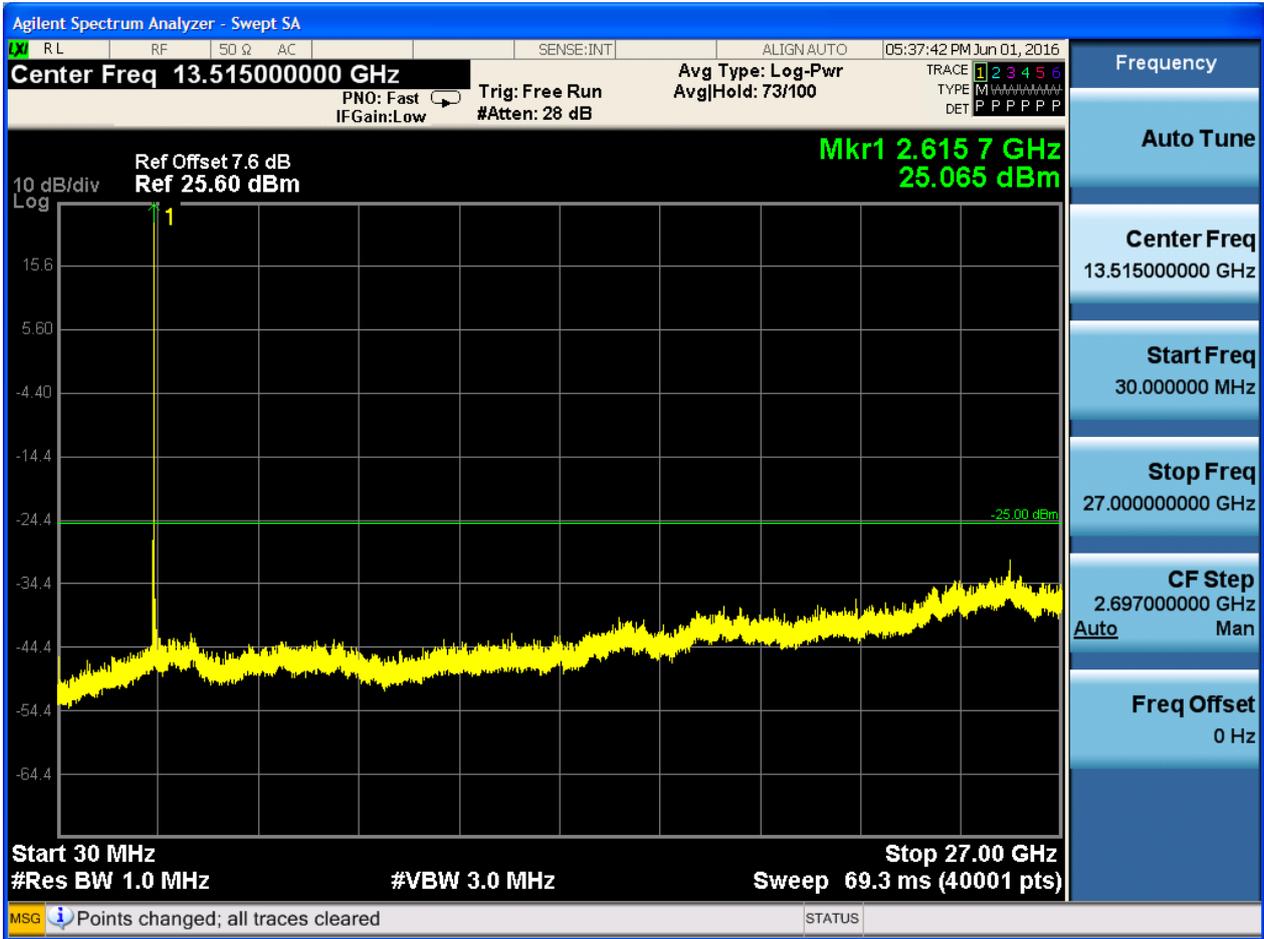














6.1.2.2.2 Test Bandwidth = 10

6.1.2.2.2.1 Test Channel = LCH

6.1.2.2.2.1.1 Test RB = RB1#0







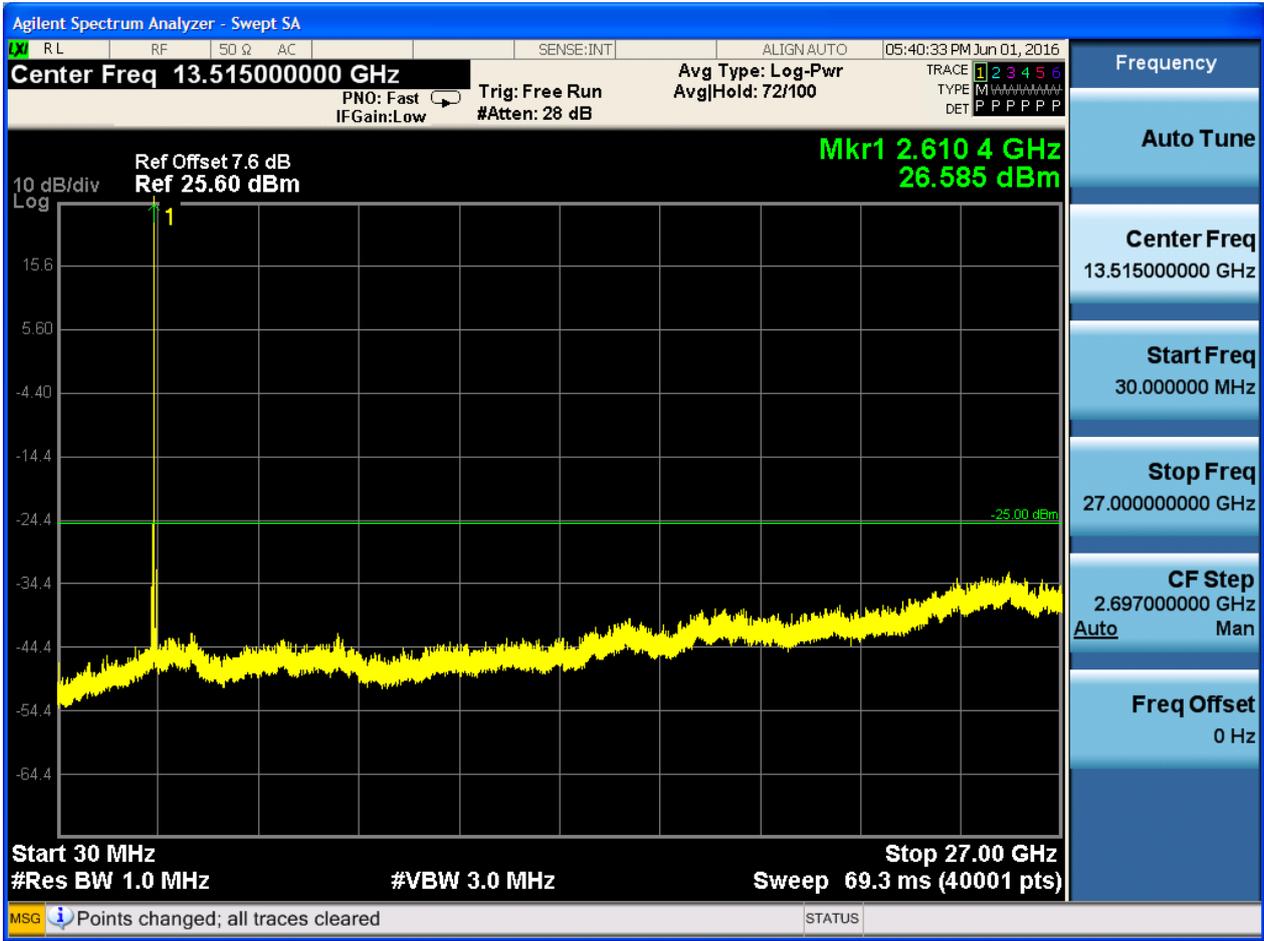




6.1.2.2.2.3 Test Channel = HCH

6.1.2.2.2.3.1 Test RB = RB1#0







6.1.2.2.3 Test Bandwidth = 15

6.1.2.2.3.1 Test Channel = LCH

6.1.2.2.3.1.1 Test RB = RB1#0









6.1.2.2.3.2 Test Channel = MCH

6.1.2.2.3.2.1 Test RB = RB1#0





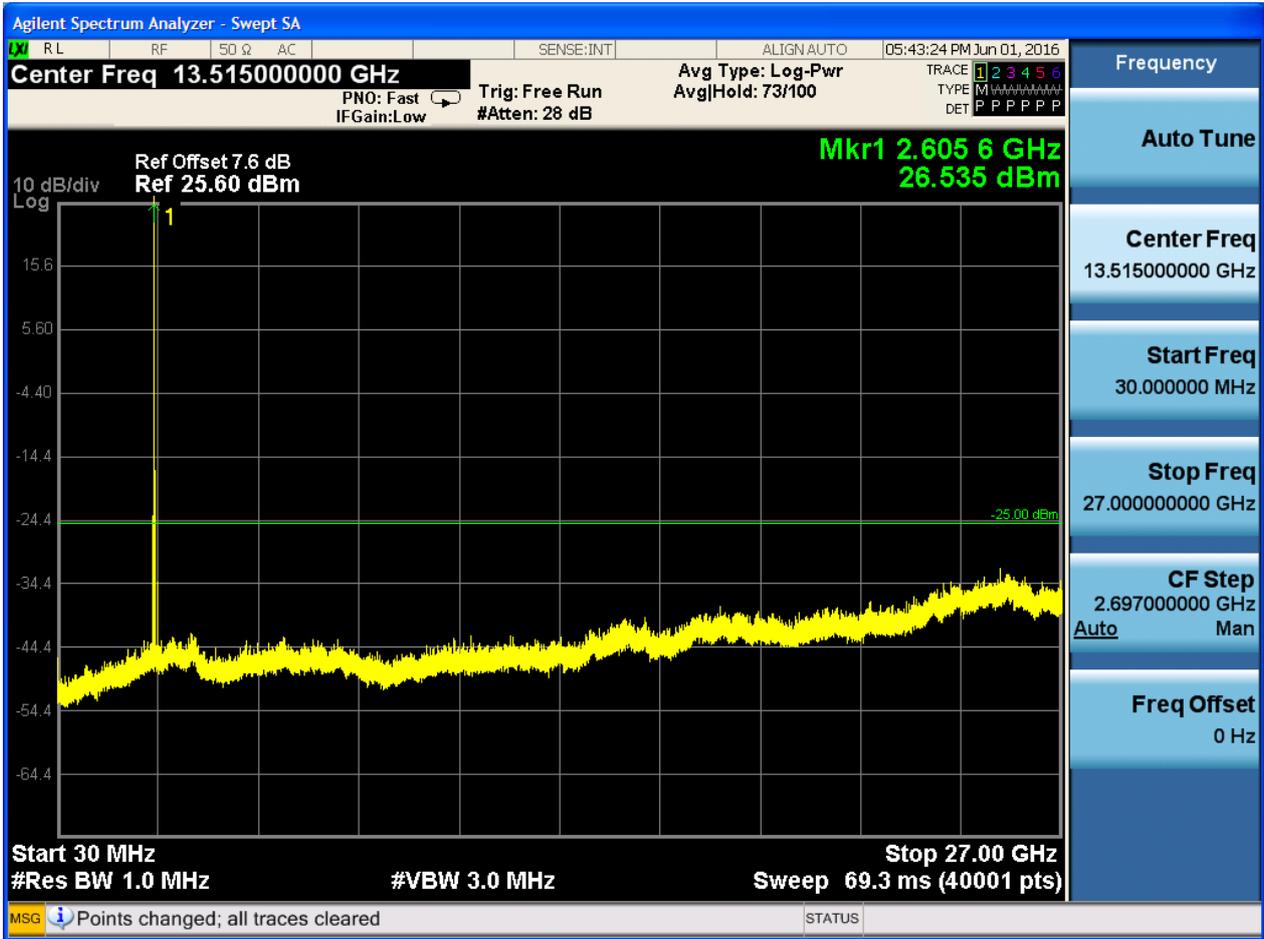




6.1.2.2.3.3 Test Channel = HCH

6.1.2.2.3.3.1 Test RB = RB1#0



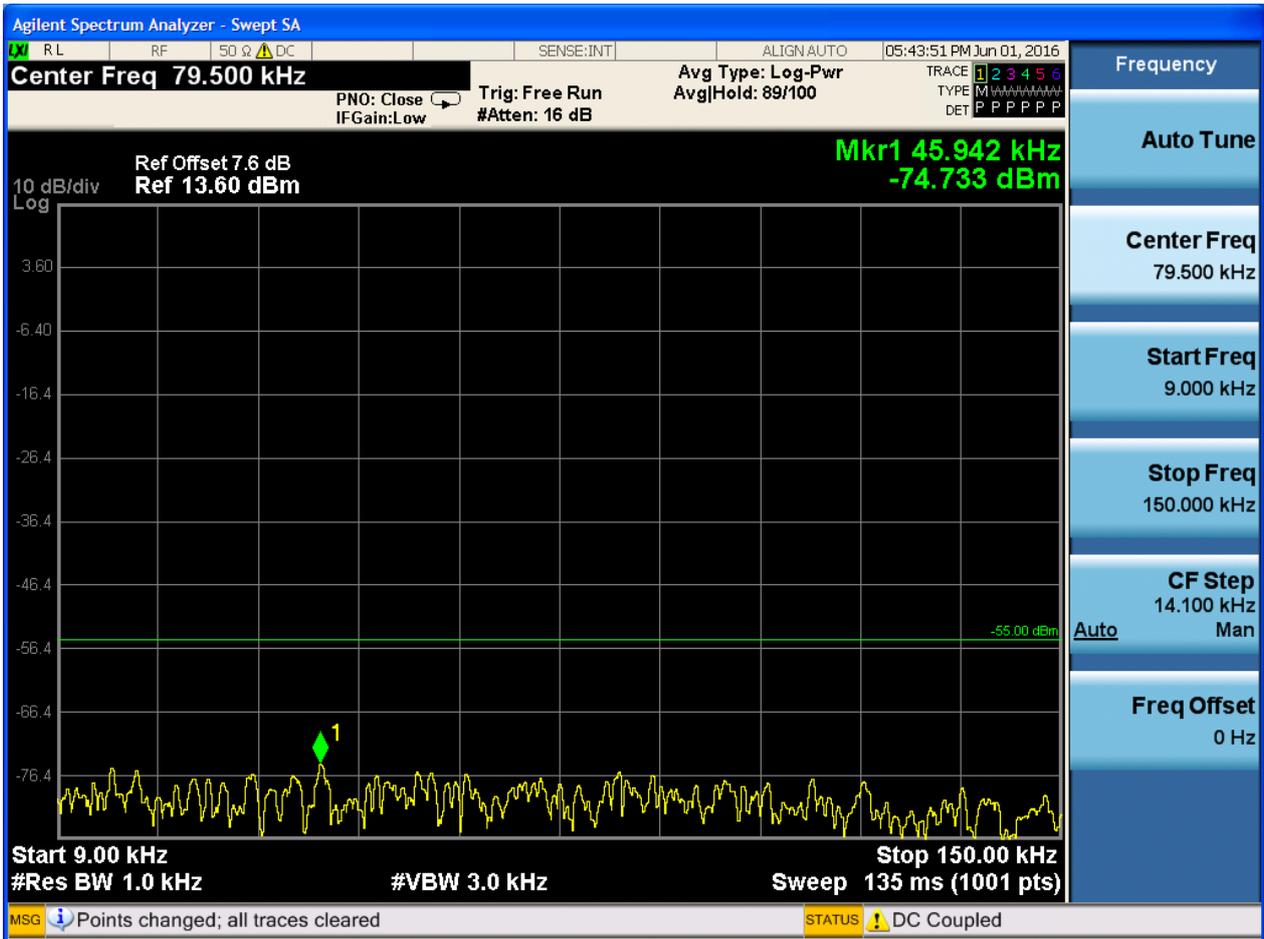




6.1.2.2.4 Test Bandwidth = 20

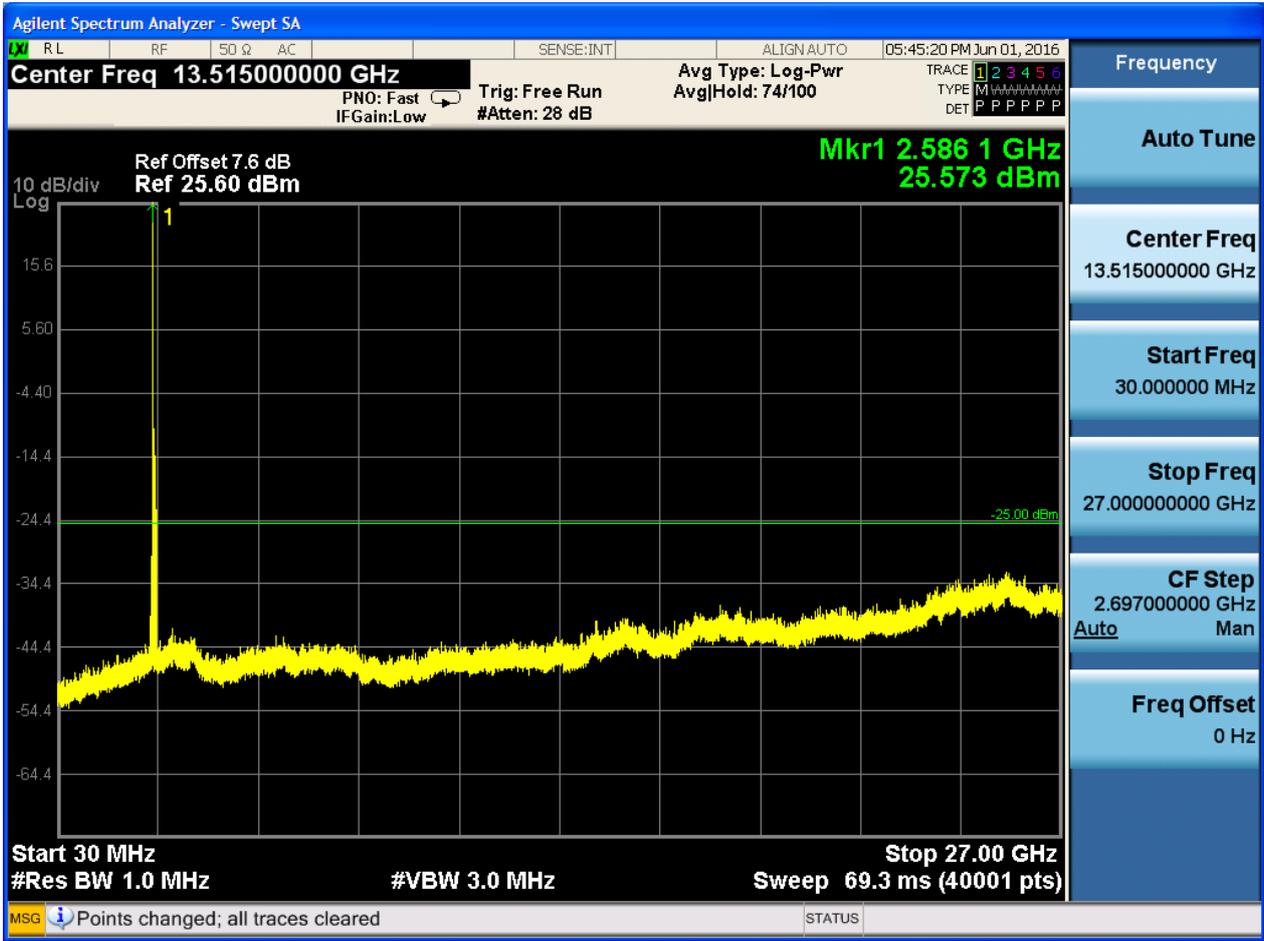
6.1.2.2.4.1 Test Channel = LCH

6.1.2.2.4.1.1 Test RB = RB1#0





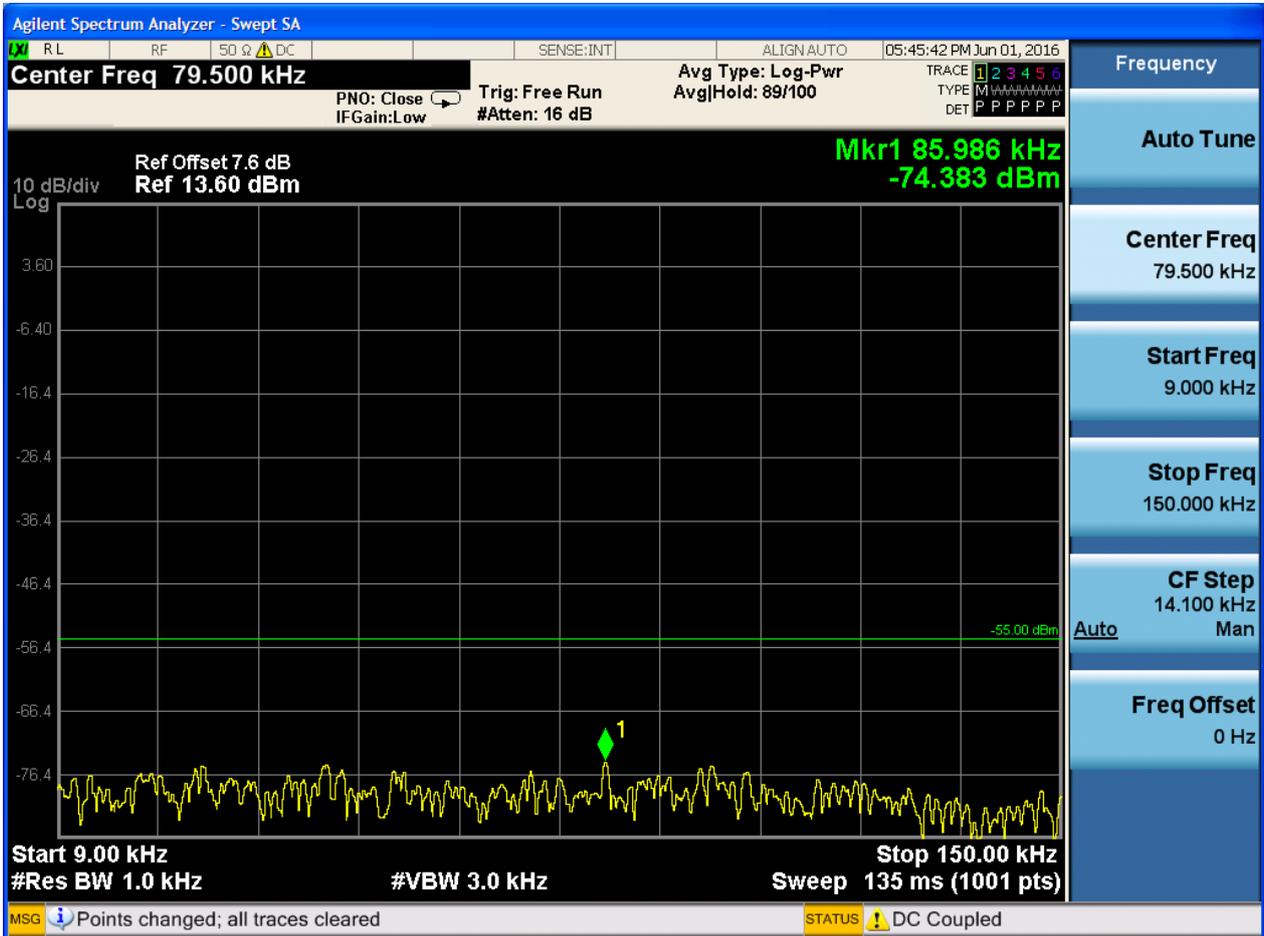




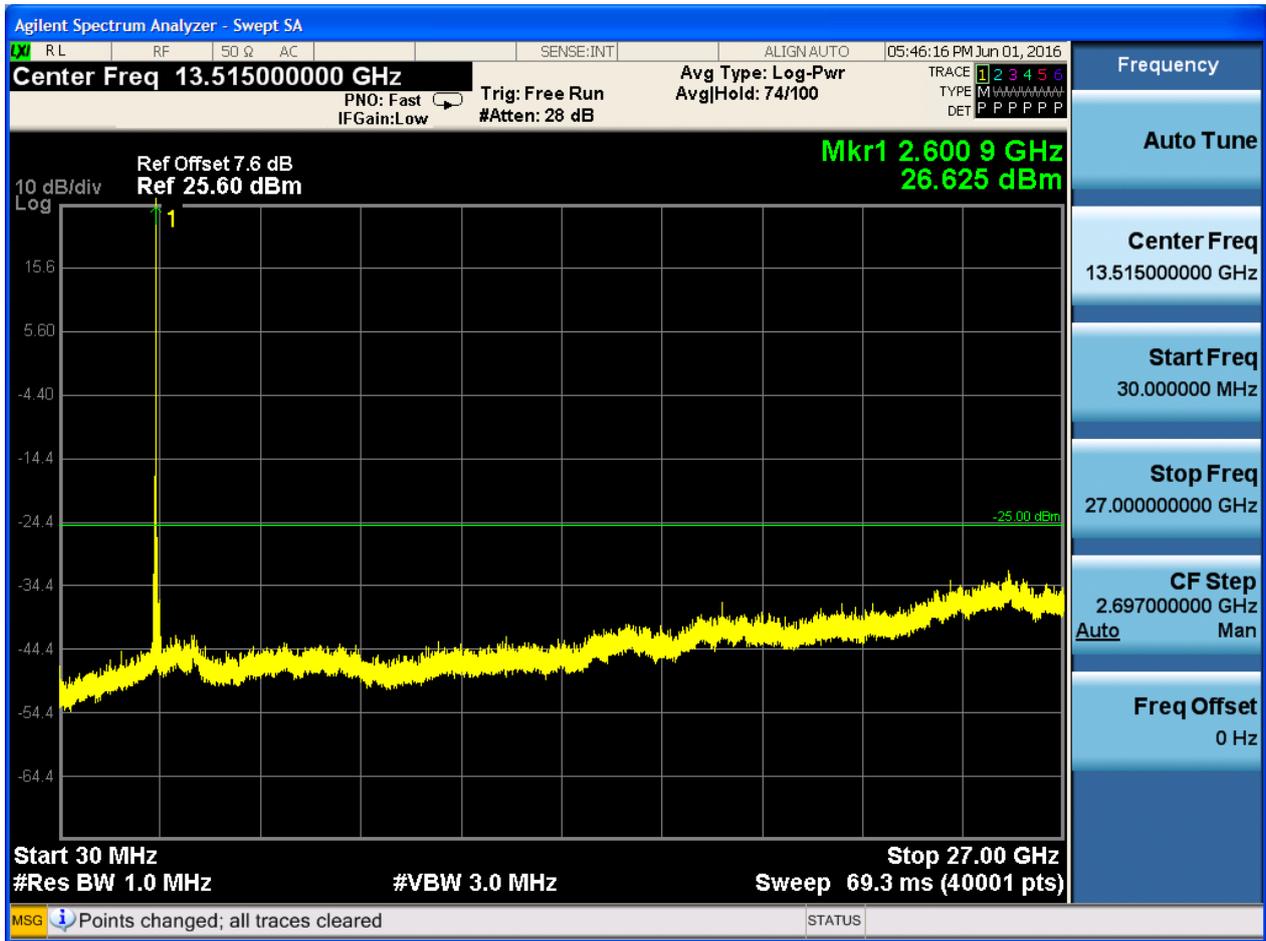


6.1.2.2.4.3 Test Channel = HCH

6.1.2.2.4.3.1 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

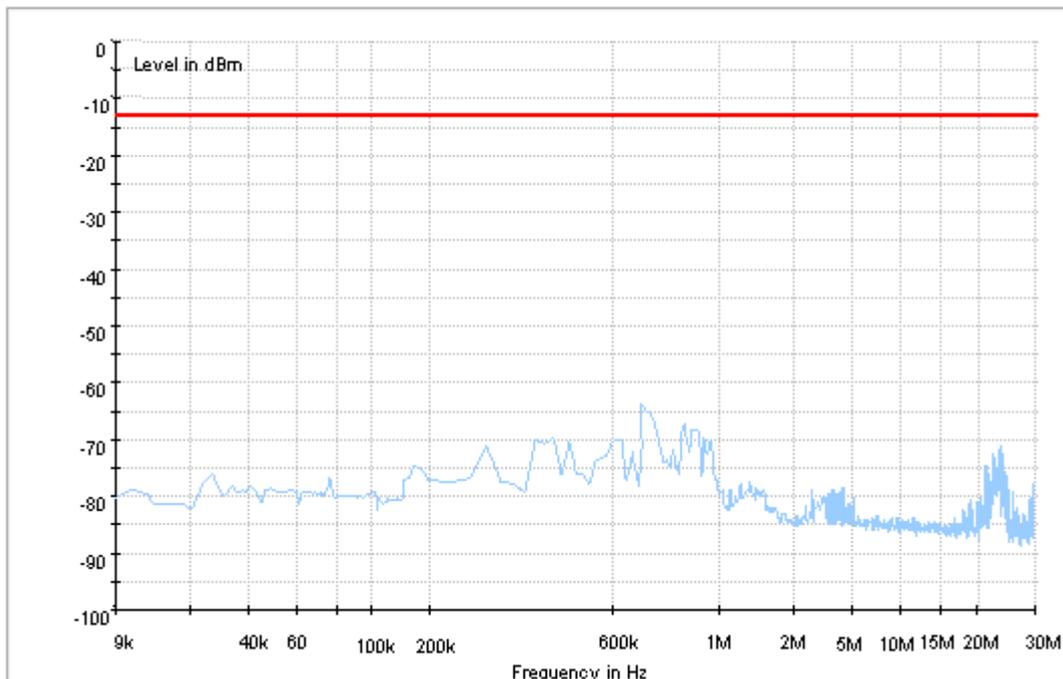
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

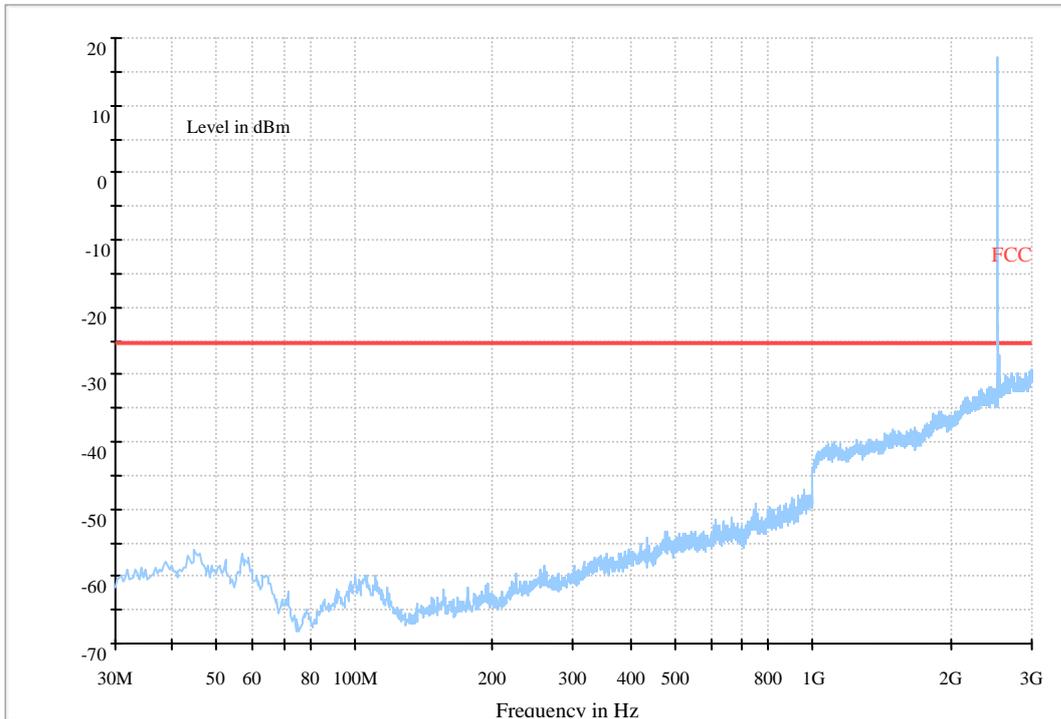
7.1 For LTE

7.1.1 Test Band = BAND7_Ant1

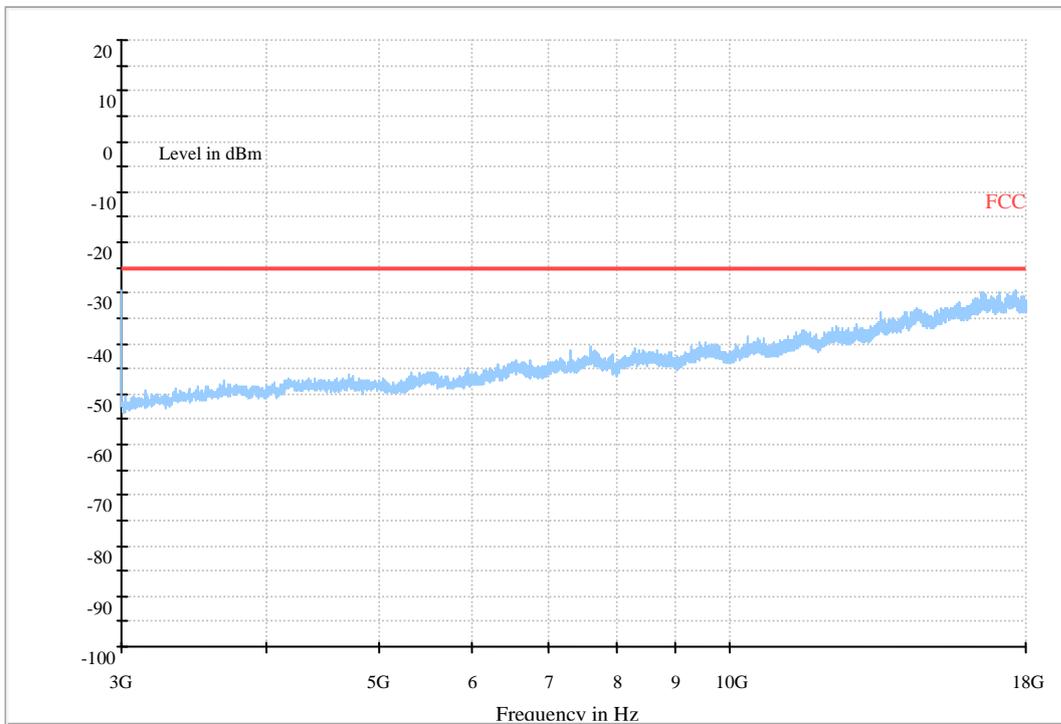
7.1.1.1 Test Bandwidth = 5

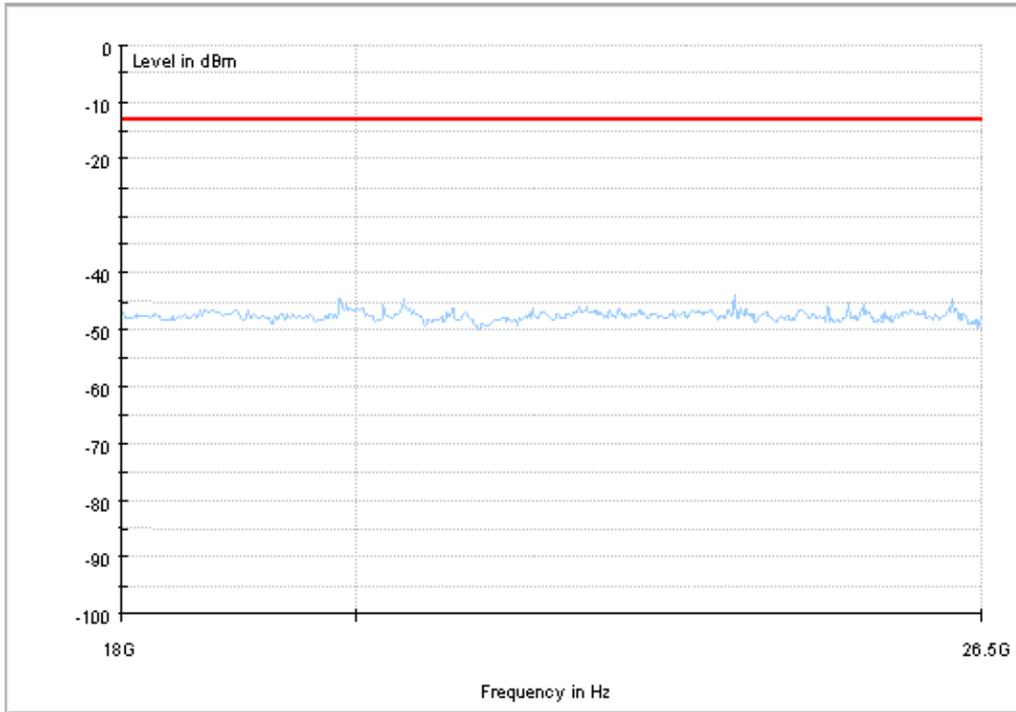


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



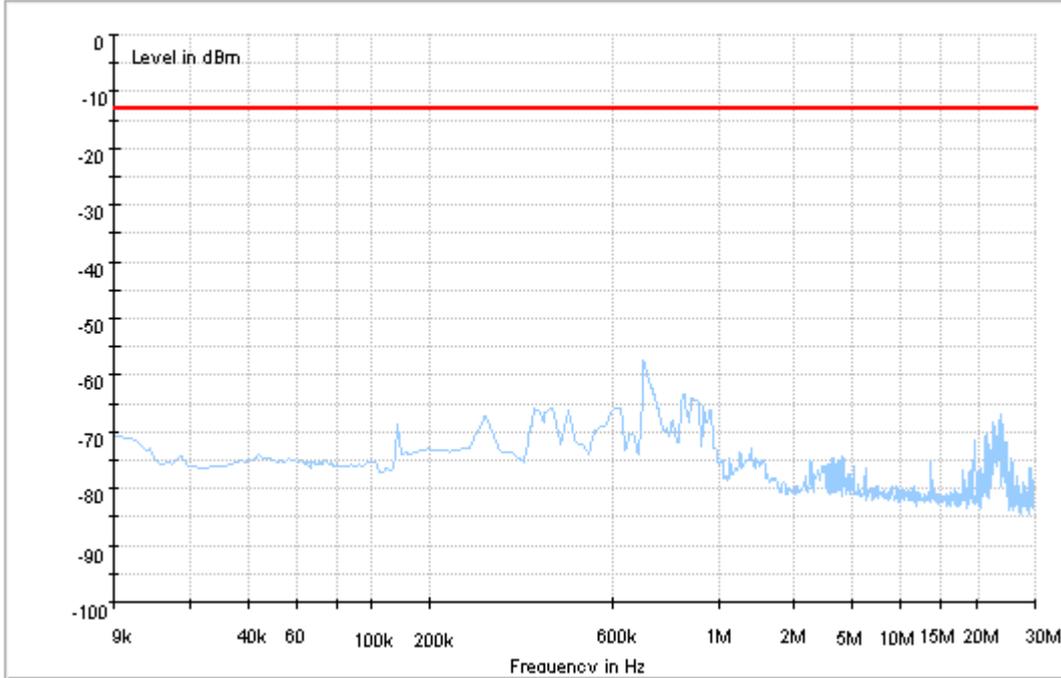
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



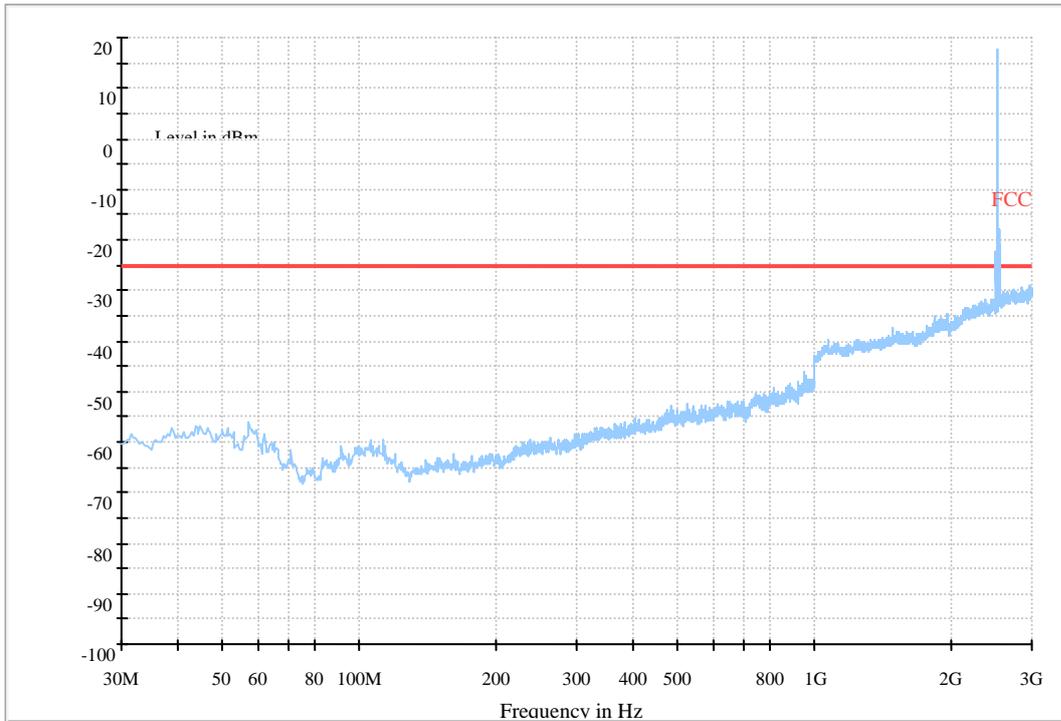




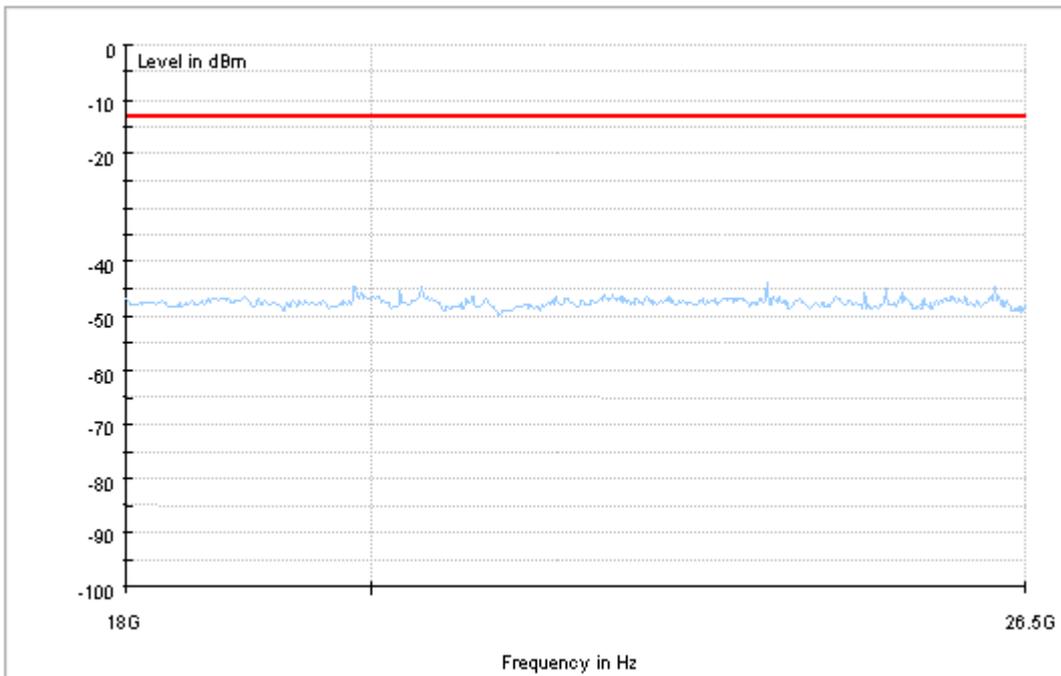
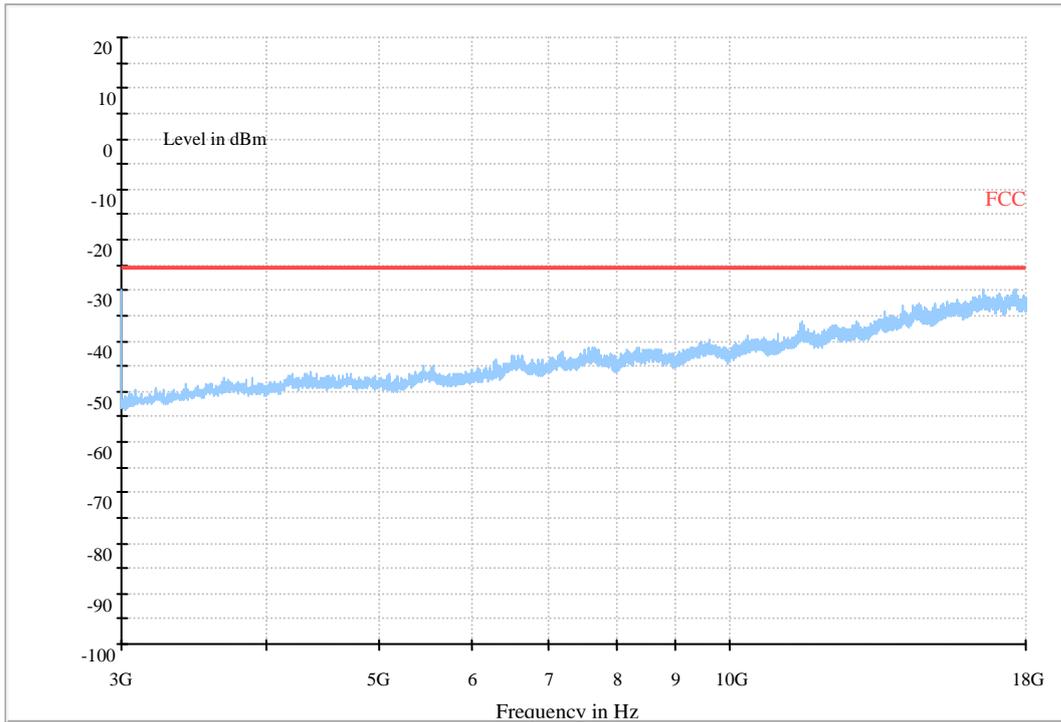
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

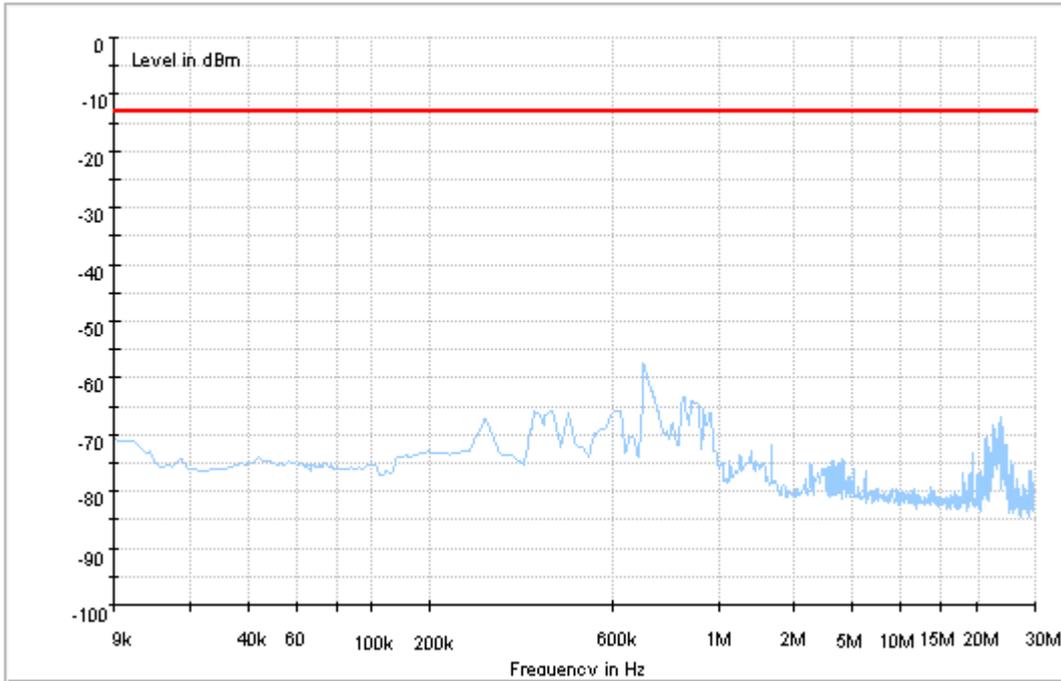


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



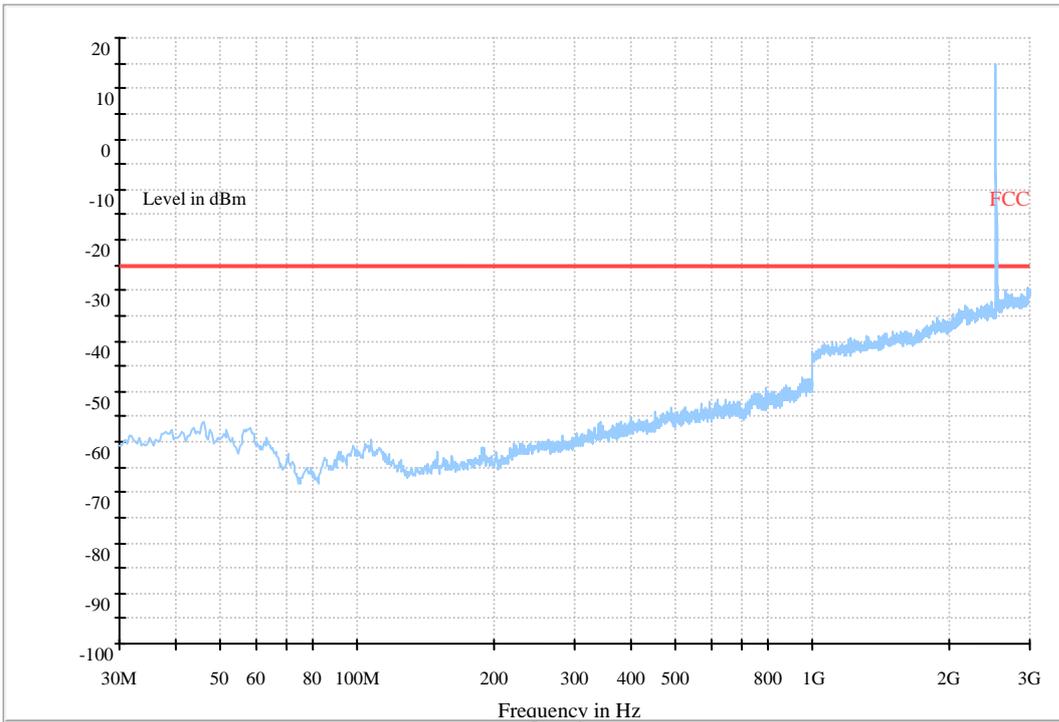
7.1.2 Test Band = BAND7_Ant2

7.1.2.1 Test Bandwidth = 5

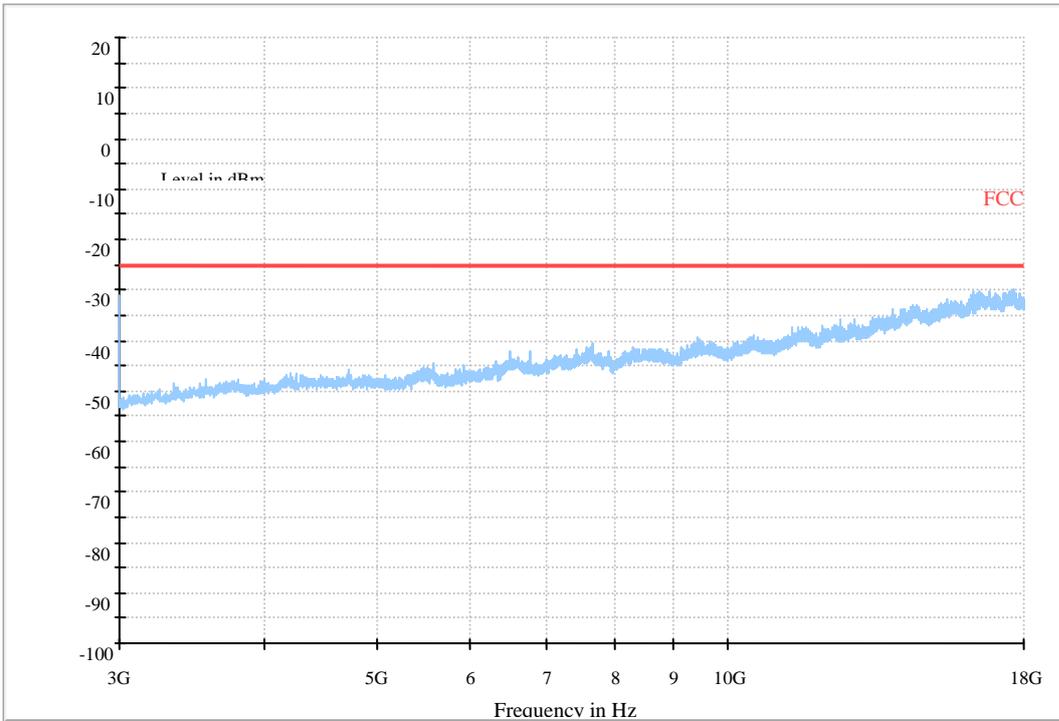


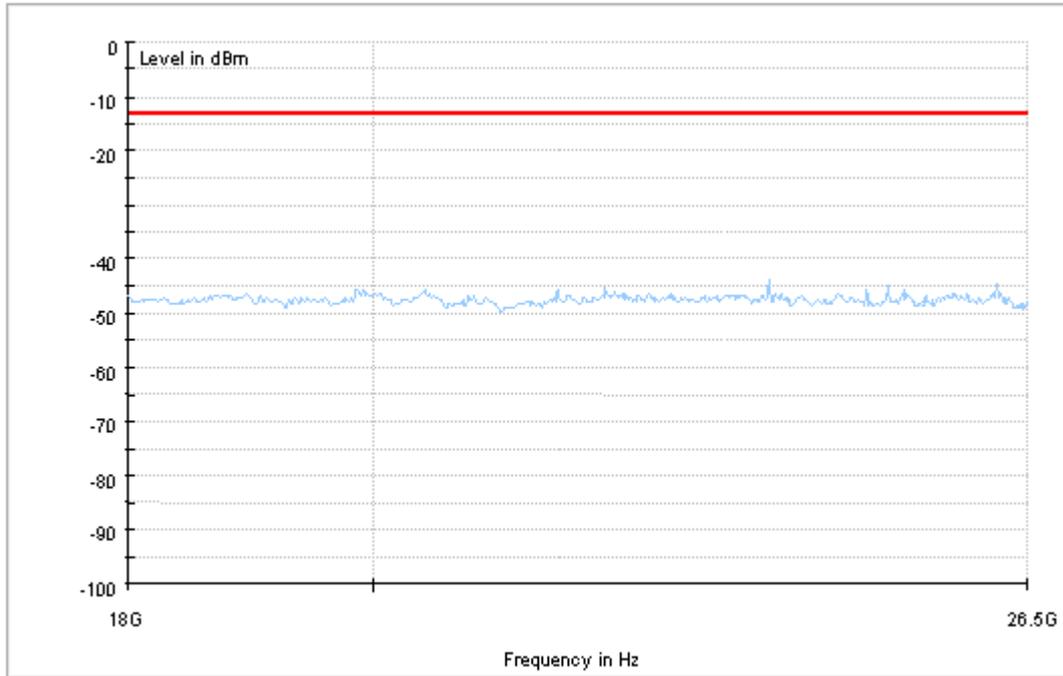


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

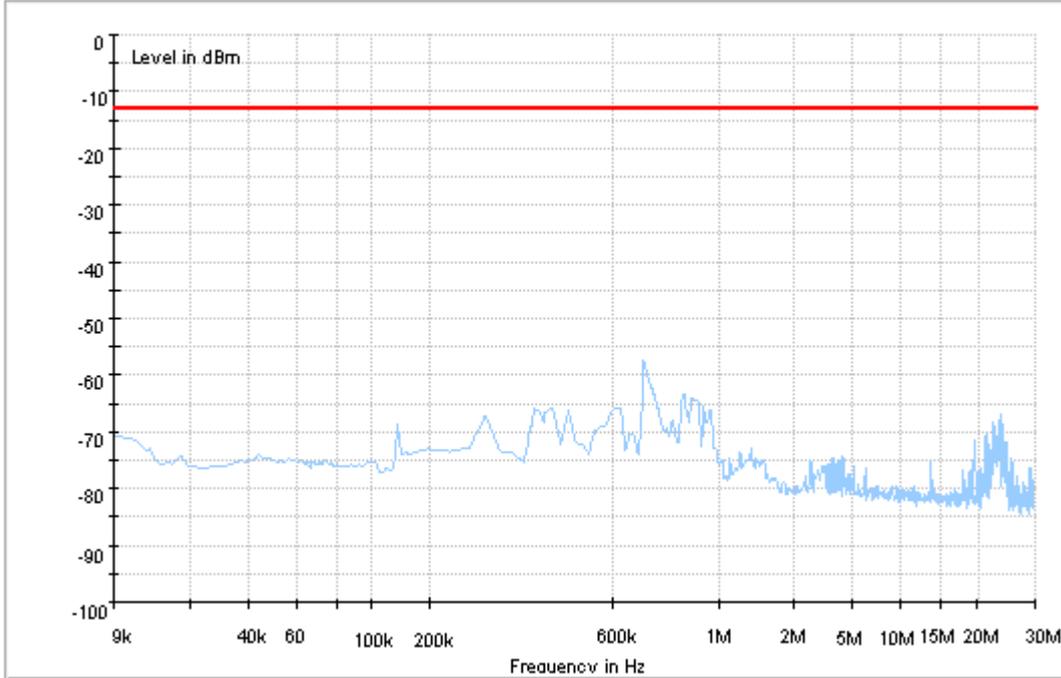


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

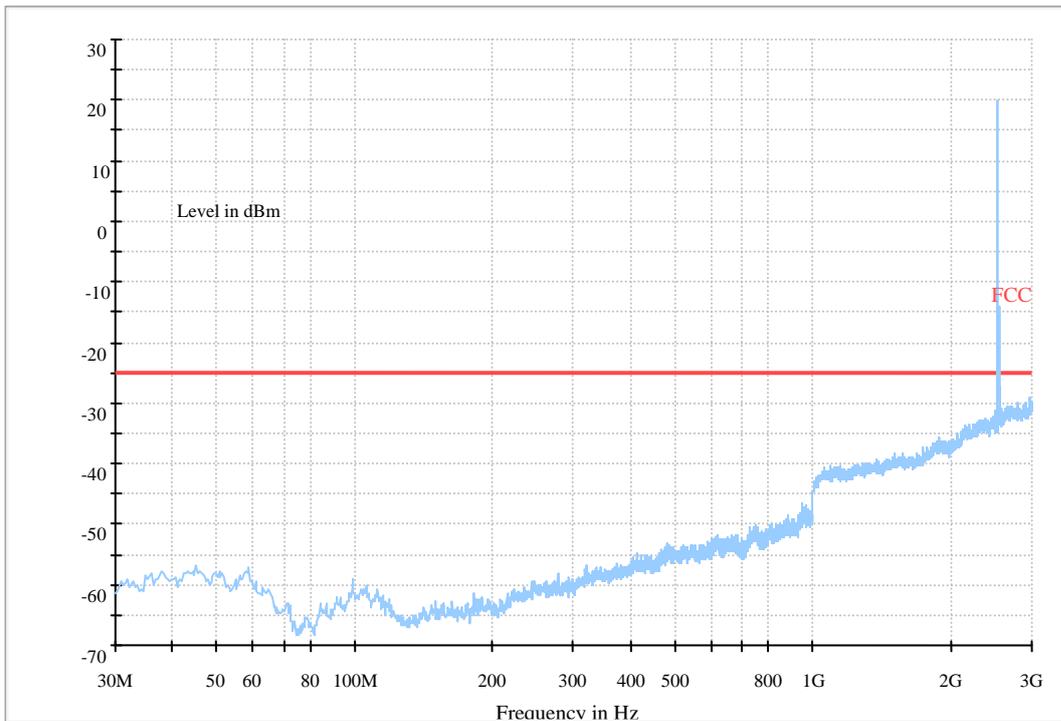




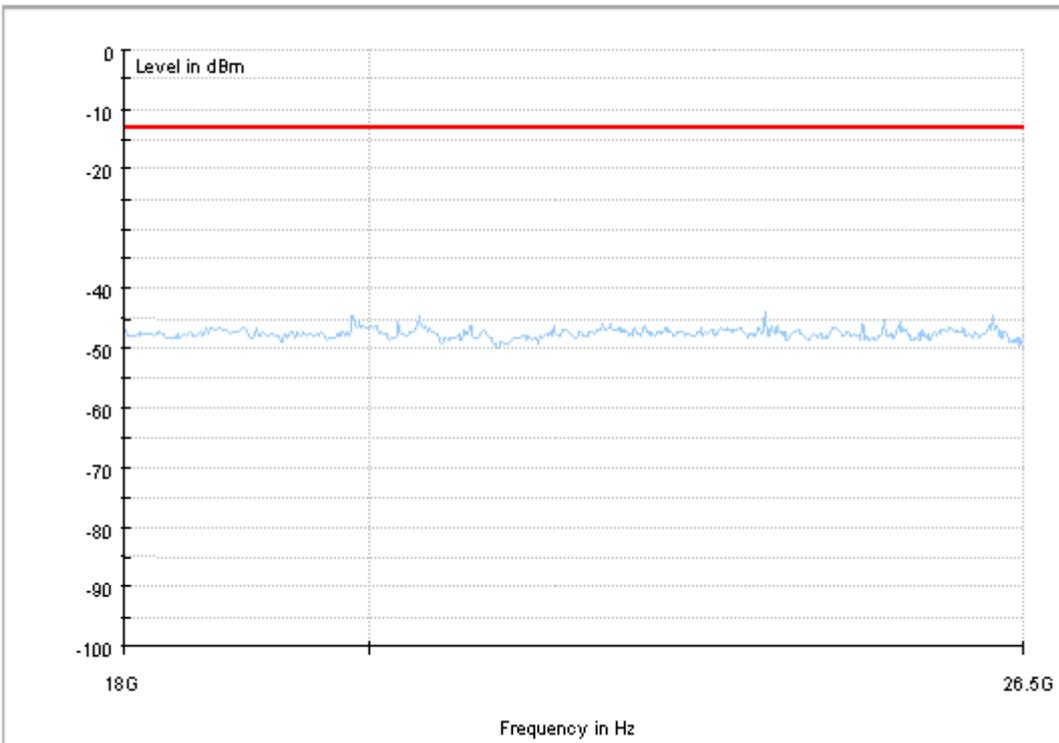
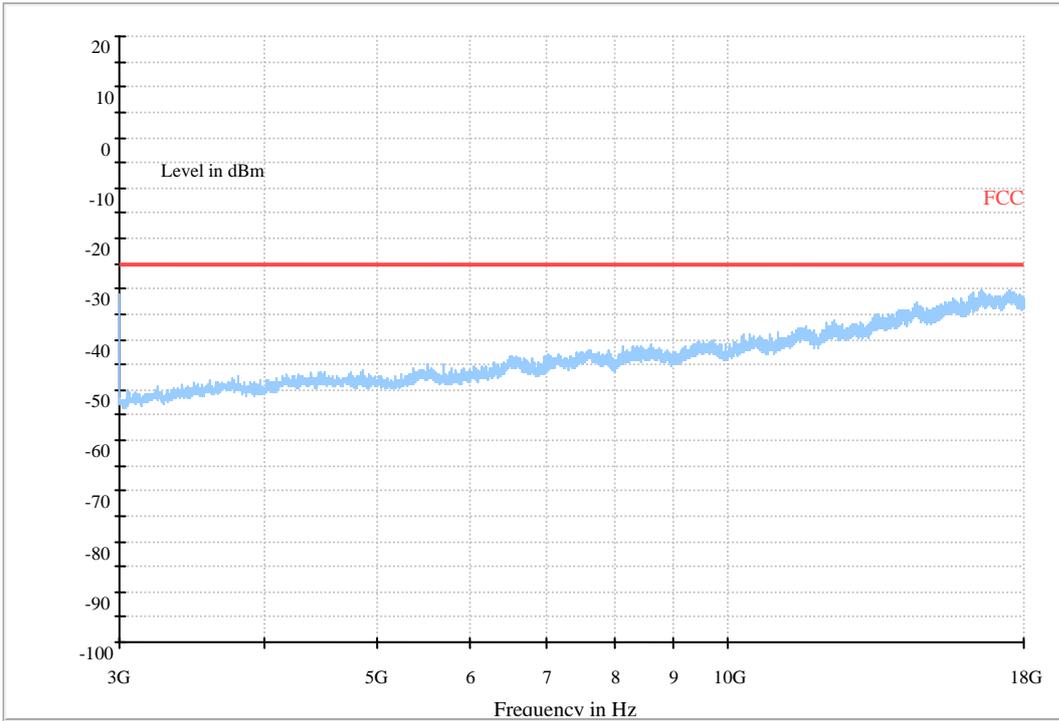
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



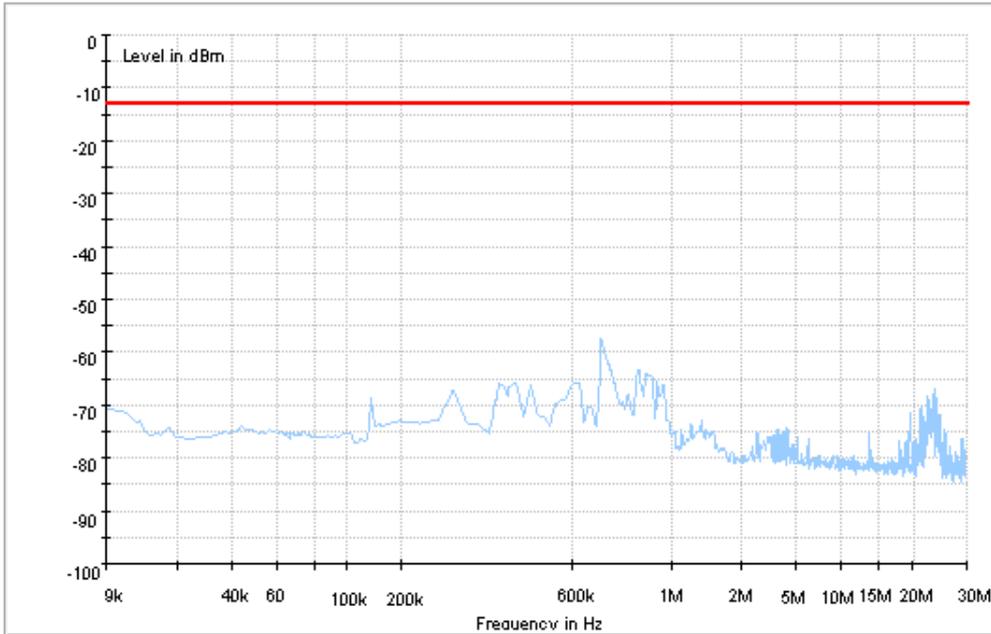
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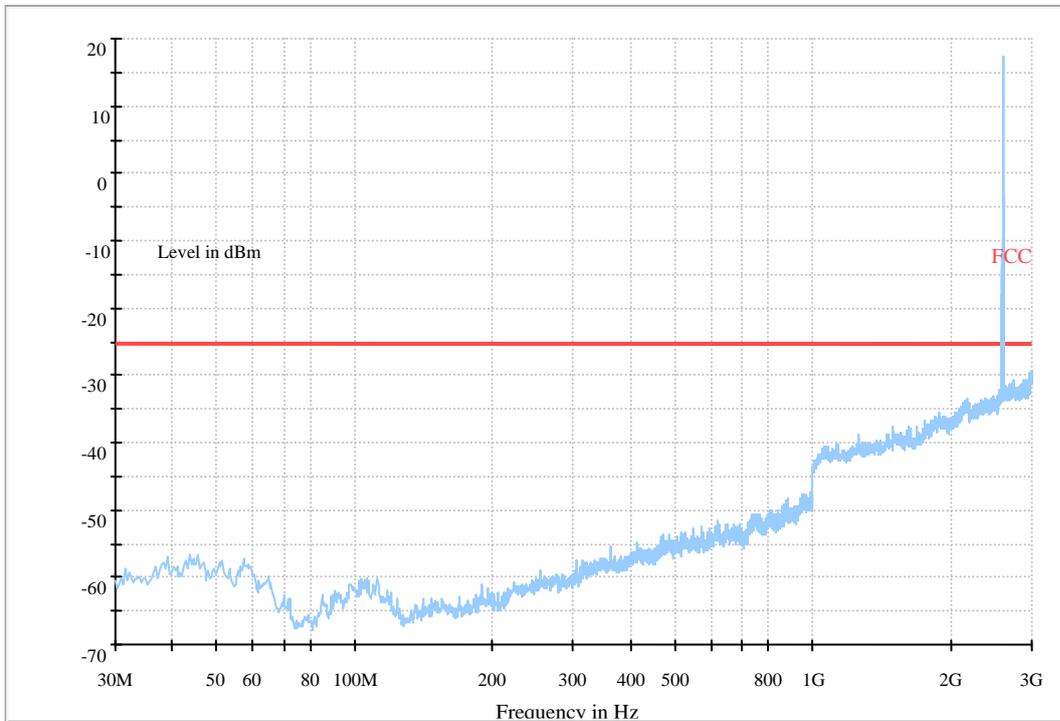


7.1.3 Test Band = BAND38_Ant1

7.1.3.1 Test Bandwidth = 5

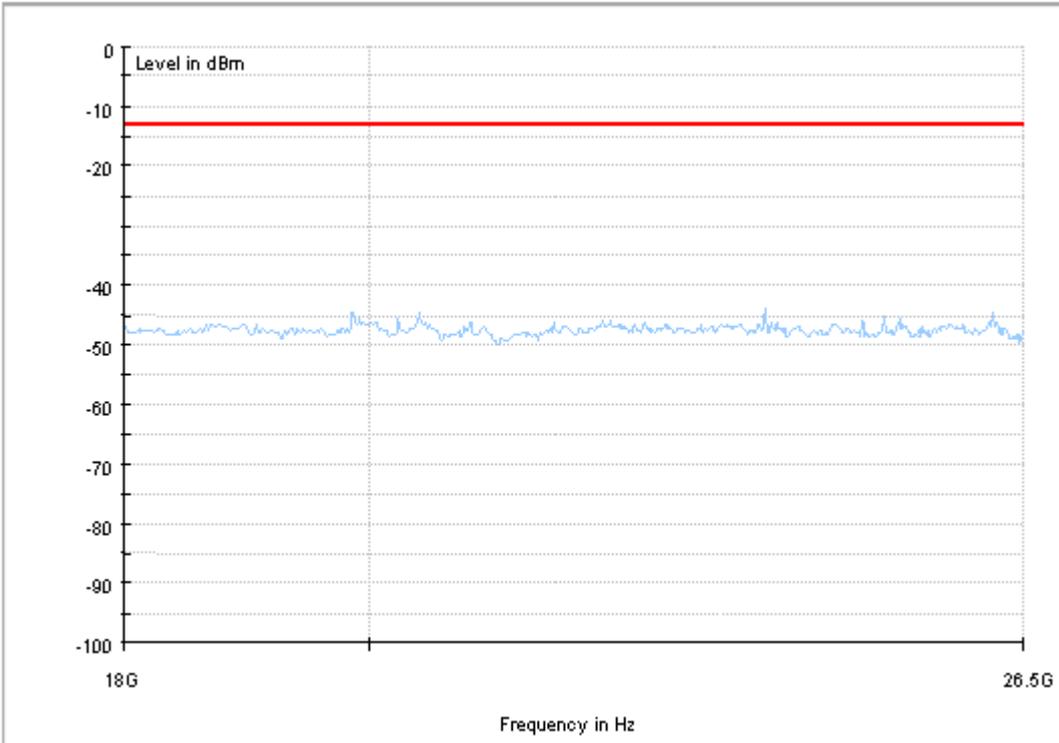
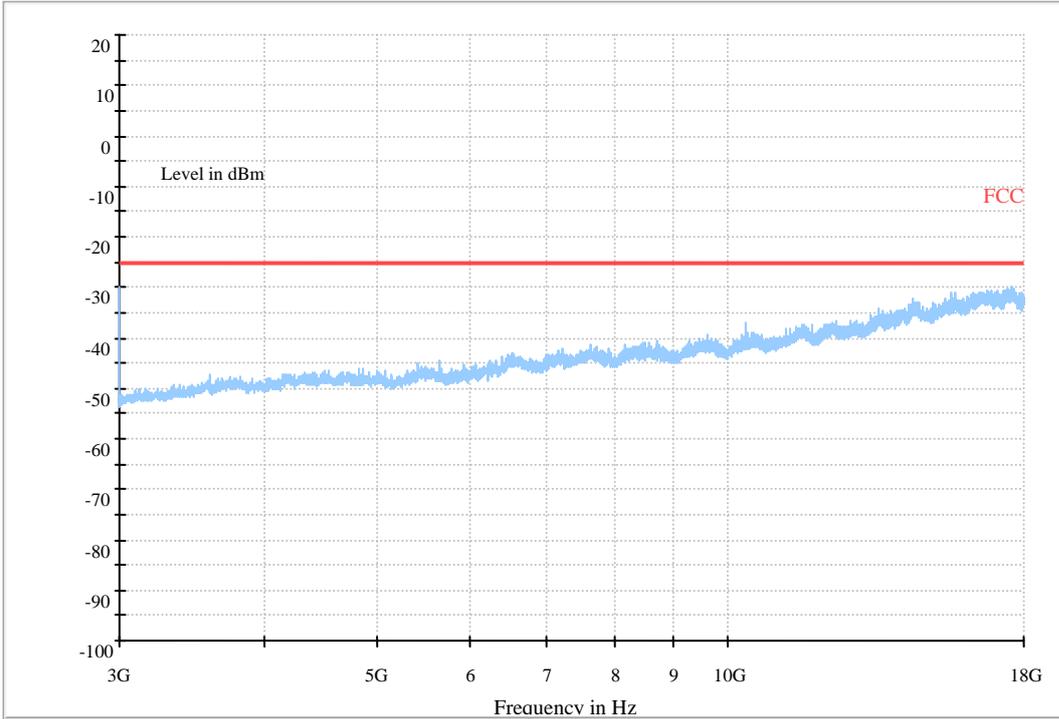


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

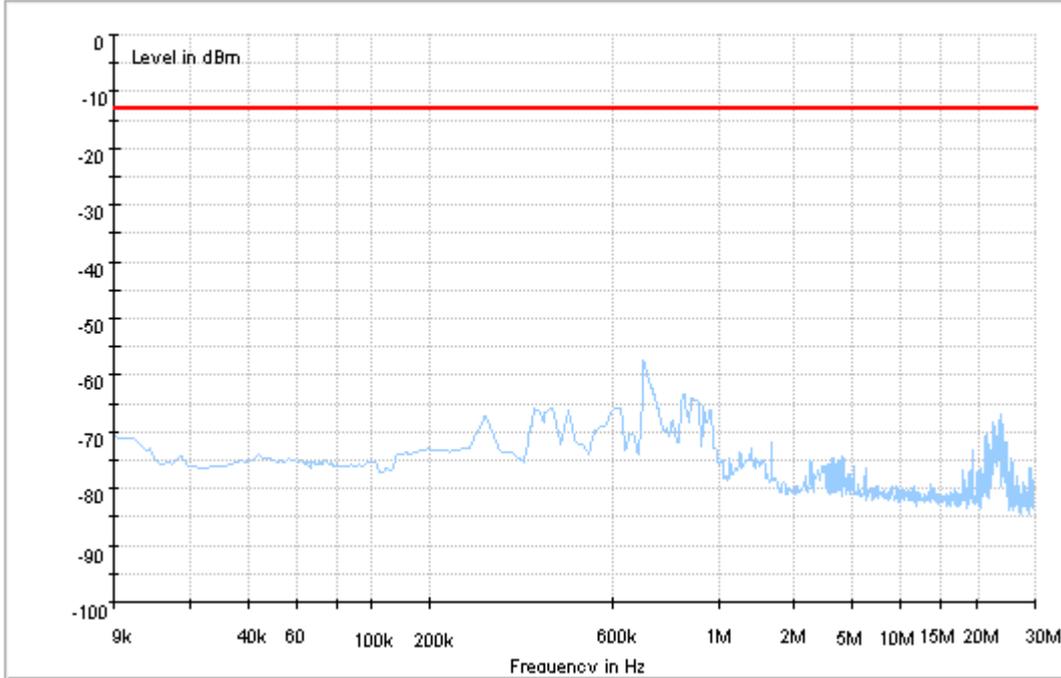




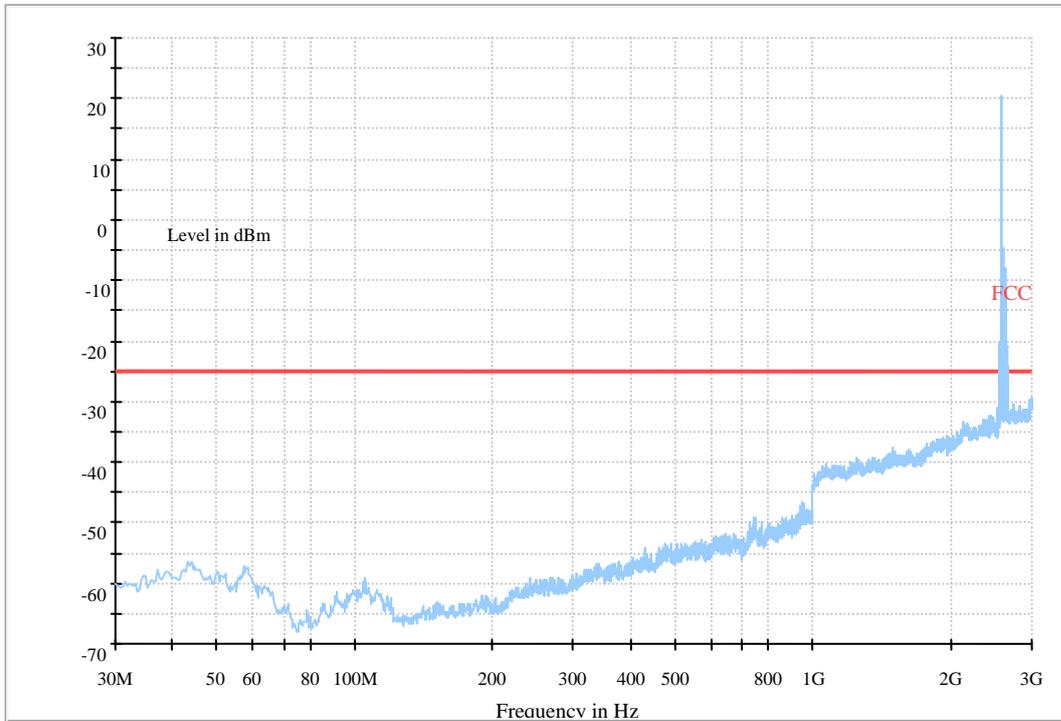
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



7.1.3.2 Test Bandwidth = 20

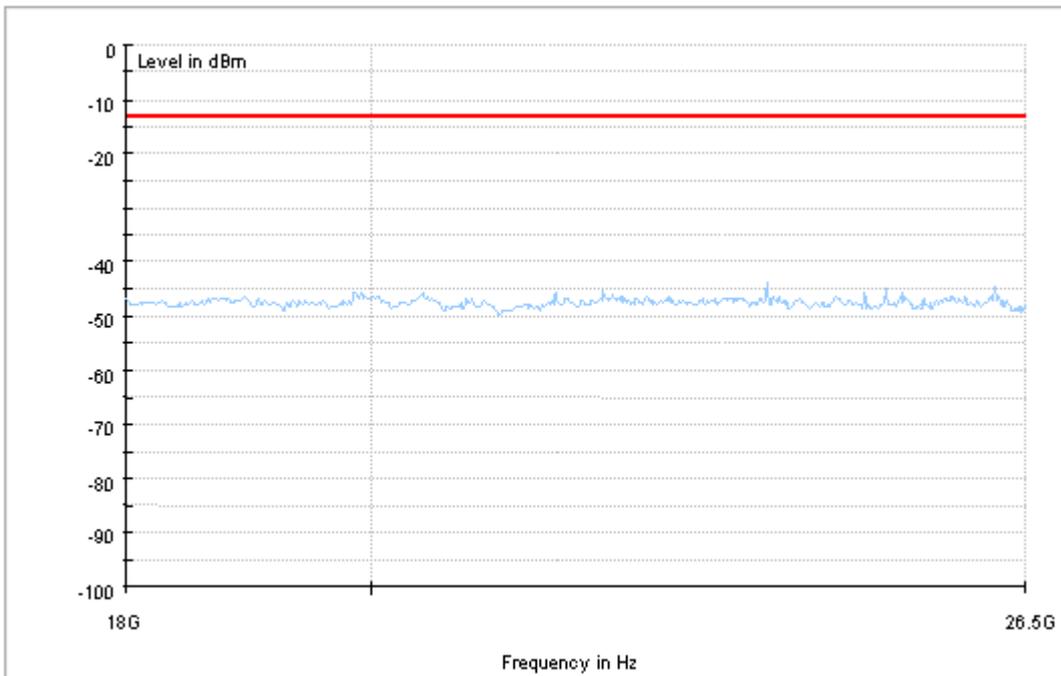
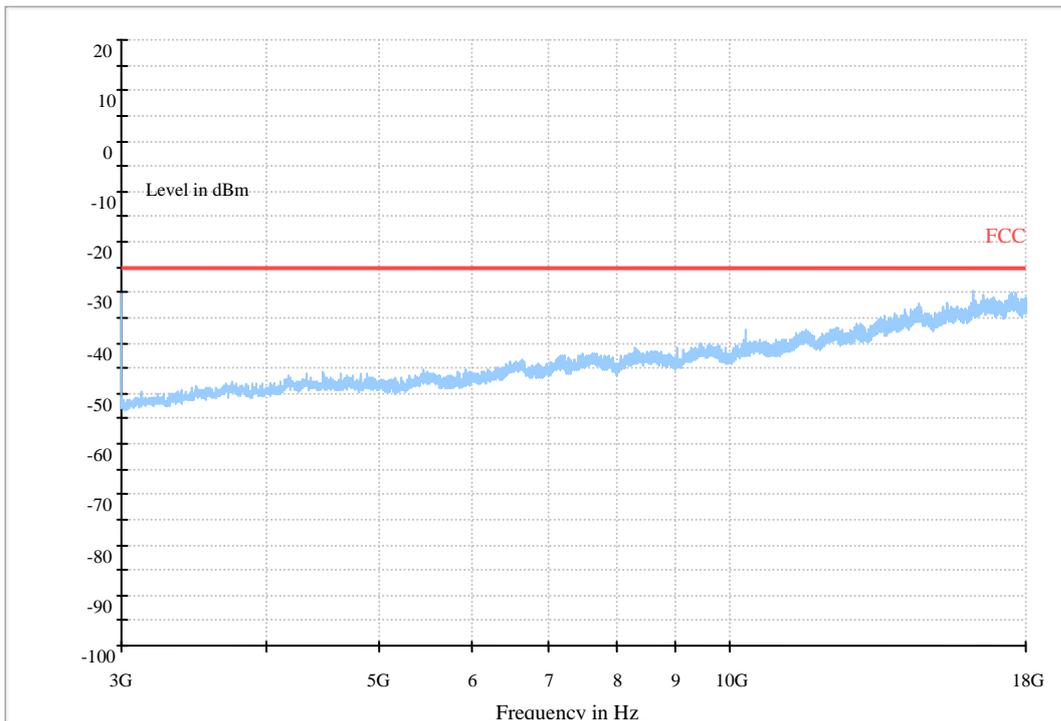


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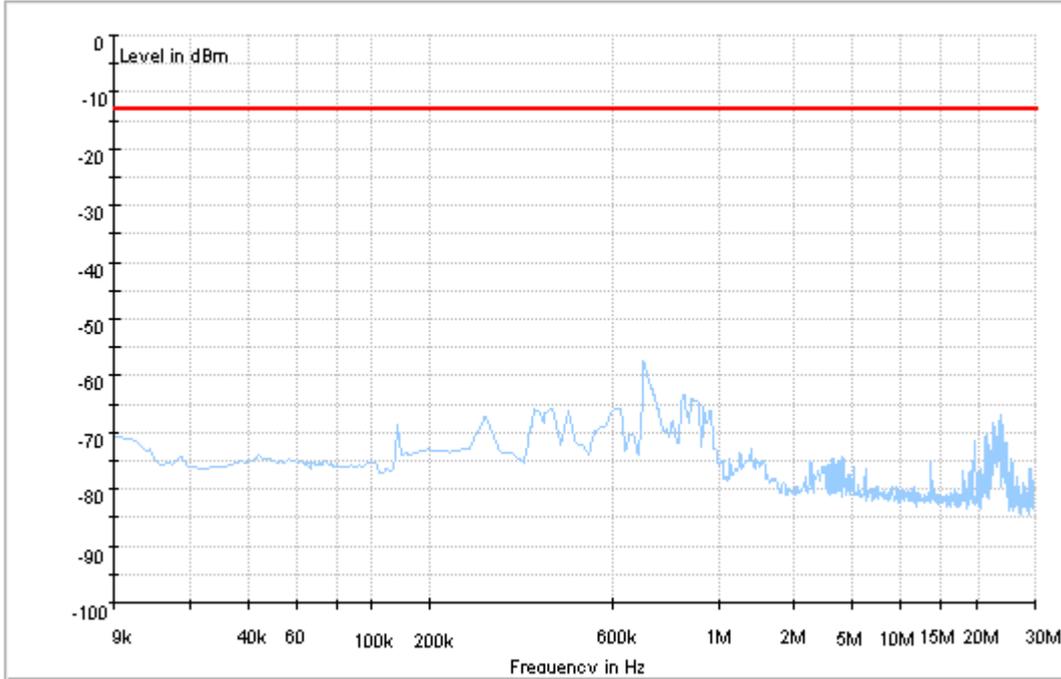
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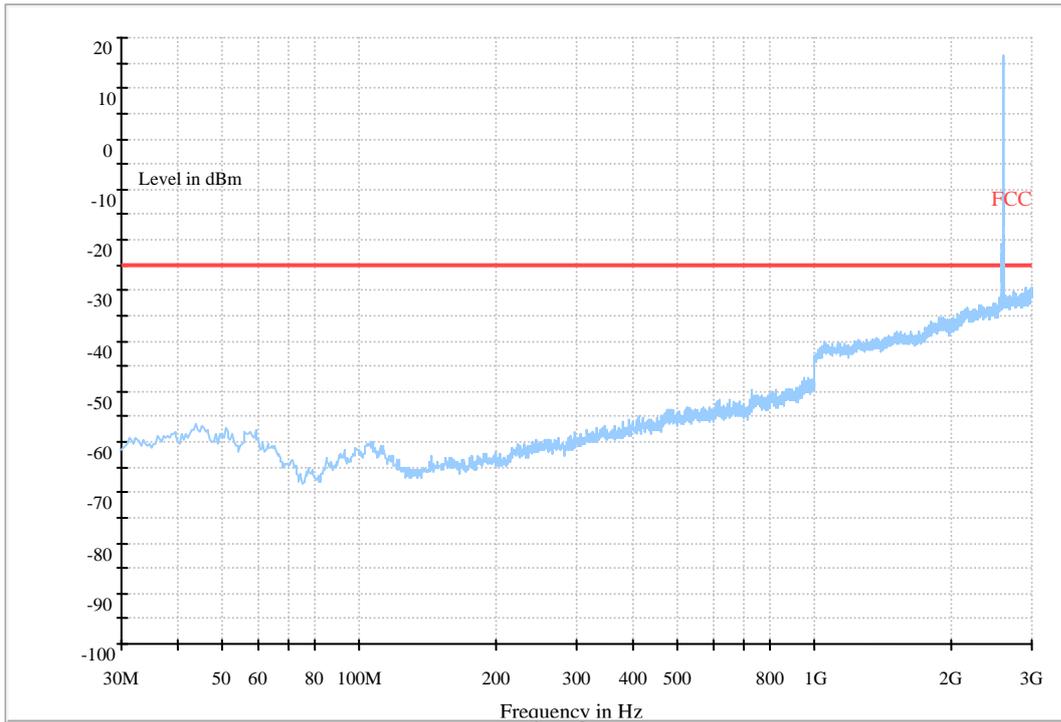


7.1.4 Test Band = BAND38_Ant2

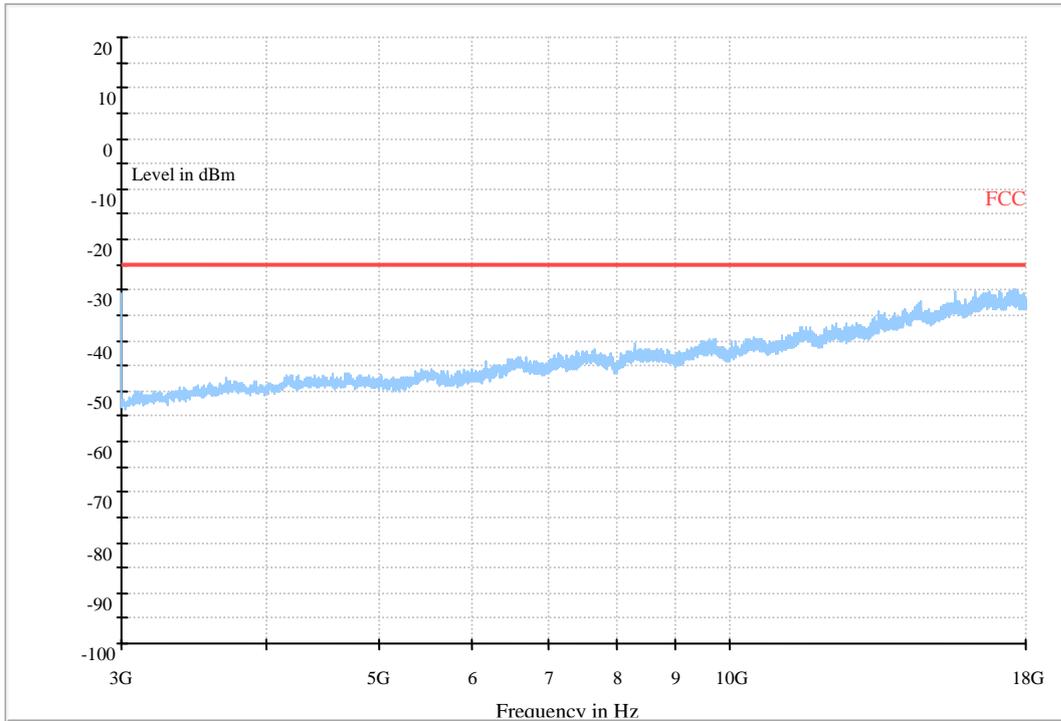
7.1.4.1 Test Bandwidth = 5

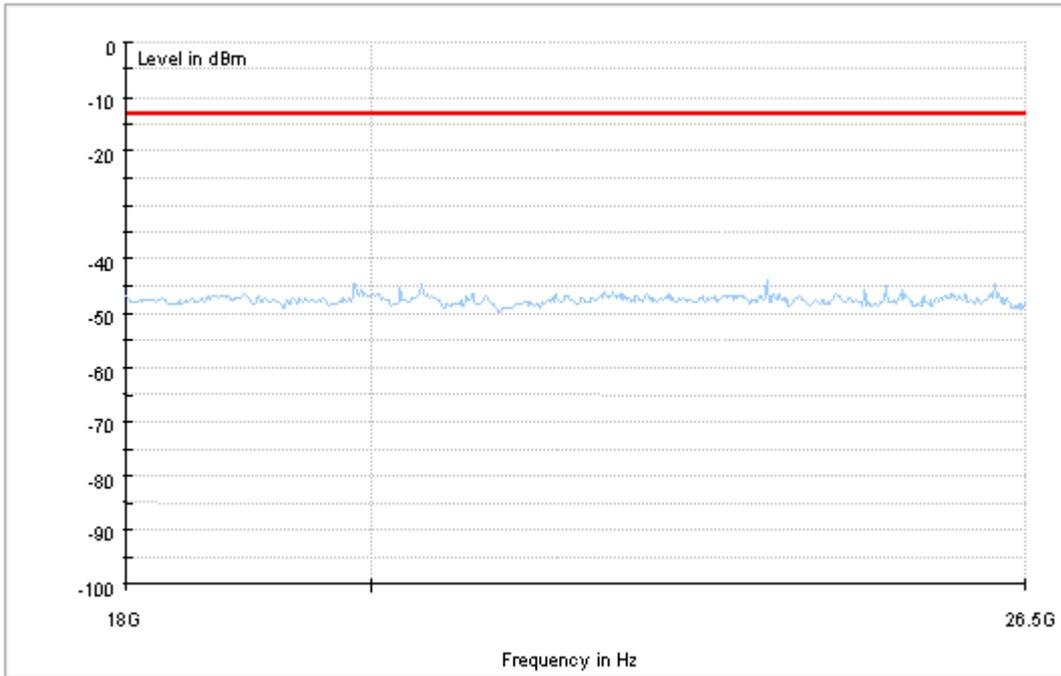


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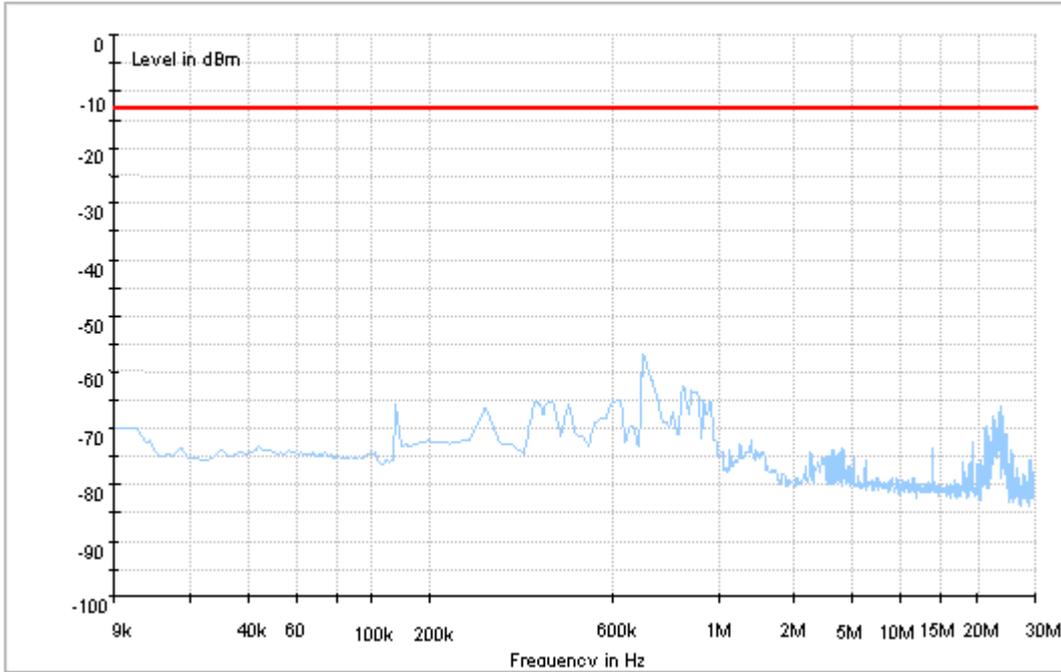


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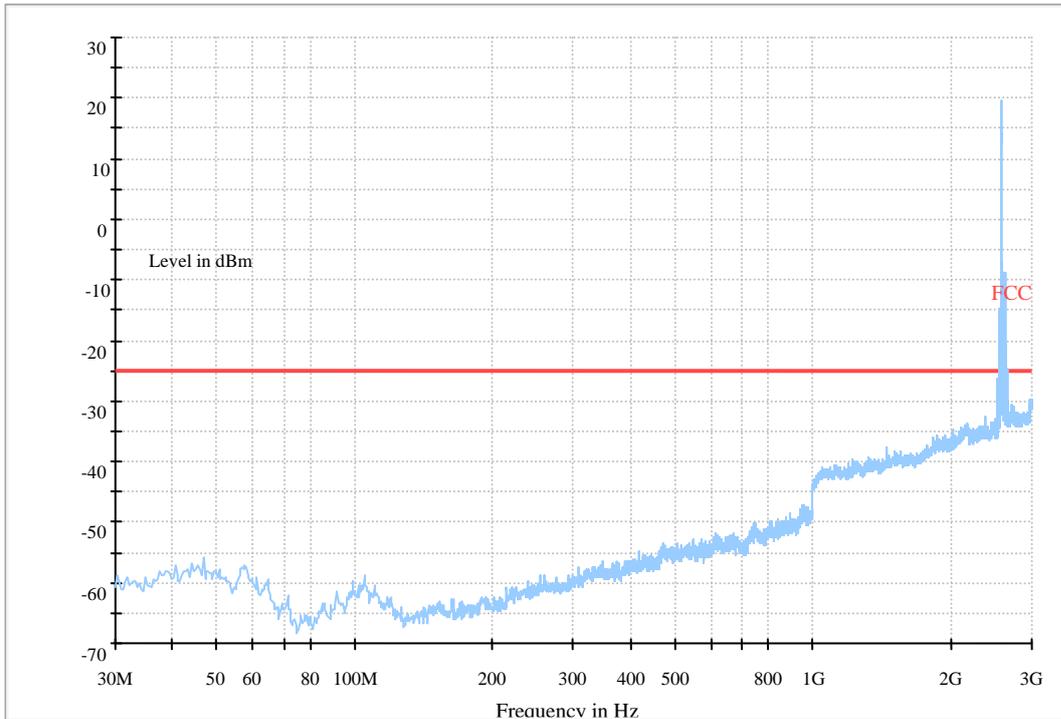




7.1.4.2 Test Bandwidth = 20

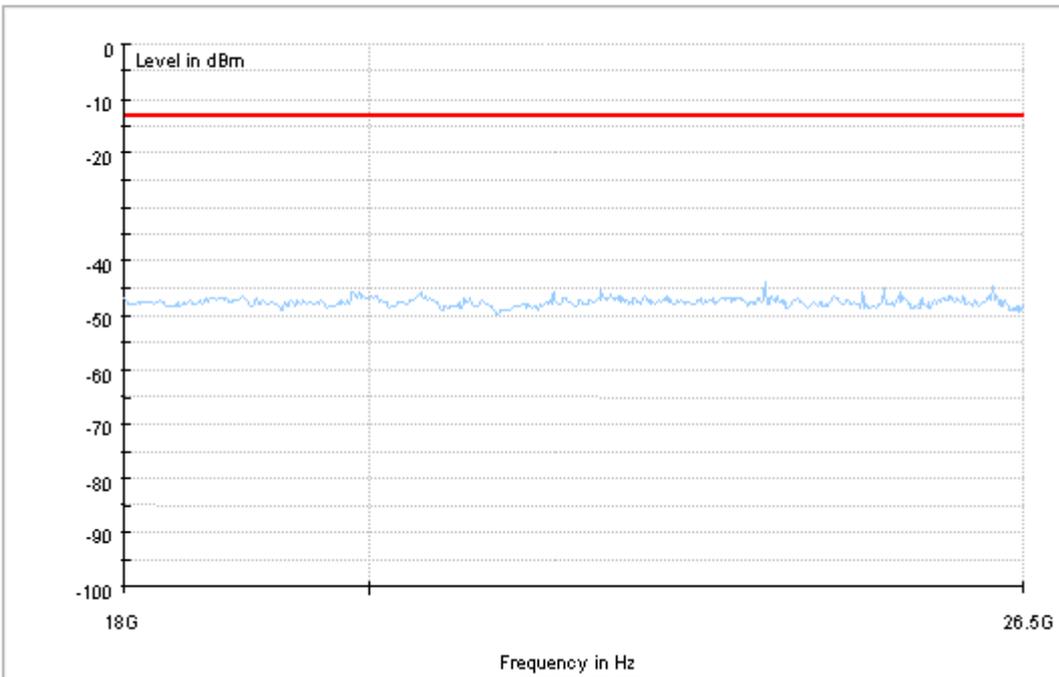
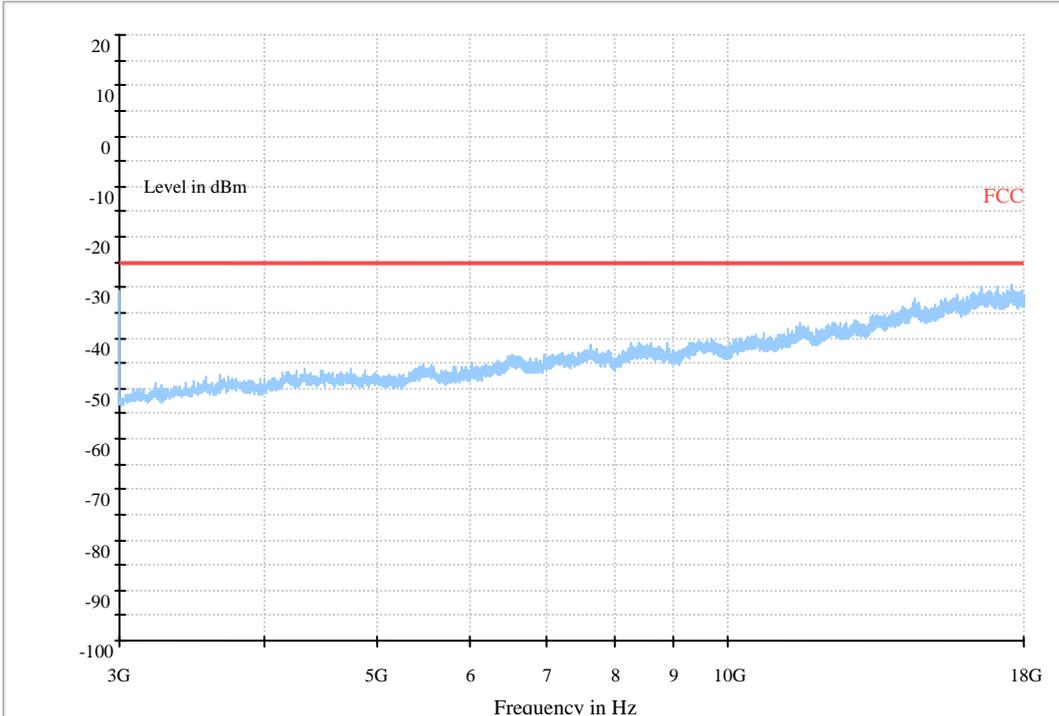


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L





Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	1.29	0.00052	PASS
					VN	1.1	0.00044	PASS
					VH	2.39	0.00096	PASS
			MCH	TN	VL	-4.09	-0.00161	PASS
					VN	-3.65	-0.00144	PASS
					VH	-4.12	-0.00163	PASS
			HCH	TN	VL	0.99	0.00039	PASS
					VN	1.77	0.00069	PASS
					VH	0.24	0.00009	PASS
		10	LCH	TN	VL	-2.26	-0.0009	PASS
					VN	-2.39	-0.00095	PASS
					VH	-2.32	-0.00093	PASS
			MCH	TN	VL	-3.39	-0.00134	PASS
					VN	-3.65	-0.00144	PASS
					VH	-2.1	-0.00083	PASS
			HCH	TN	VL	-1.5	-0.00058	PASS
					VN	-3.75	-0.00146	PASS
					VH	-2.73	-0.00106	PASS
		15	LCH	TN	VL	1.43	0.00057	PASS
					VN	0.56	0.00022	PASS
					VH	1.46	0.00058	PASS
			MCH	TN	VL	-3.08	-0.00121	PASS
					VN	-3.46	-0.00136	PASS
					VH	-2.8	-0.0011	PASS
HCH	TN		VL	0.97	0.00038	PASS		
			VN	2.12	0.00083	PASS		
			VH	0.53	0.00021	PASS		
20	LCH	TN	VL	2.32	0.00092	PASS		
			VN	2.12	0.00084	PASS		
			VH	2.02	0.0008	PASS		
	MCH	TN	VL	-3.29	-0.0013	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
	LTE/TM2		HCH	TN	VN	-4.11	-0.00162	PASS	
					VH	-3.99	-0.00157	PASS	
					VL	-0.72	-0.00028	PASS	
					VN	-0.43	-0.00017	PASS	
					VH	0.92	0.00036	PASS	
					VL	0.72	0.00029	PASS	
		5	LCH	TN	VN	1.49	0.0006	PASS	
					VH	1.1	0.00044	PASS	
					VL	-4.85	-0.00191	PASS	
			MCH	TN	VN	-3.83	-0.00151	PASS	
					VH	-3.12	-0.00123	PASS	
					VL	-0.87	-0.00034	PASS	
			HCH	TN	VN	1.72	0.00067	PASS	
					VH	2.07	0.00081	PASS	
					VL	-3.85	-0.00154	PASS	
			10	LCH	TN	VN	-2.75	-0.0011	PASS
						VH	-2.68	-0.00107	PASS
						VL	-2.36	-0.00093	PASS
		MCH		TN	VN	-4.84	-0.00191	PASS	
					VH	-1.89	-0.00075	PASS	
					VL	-2.22	-0.00087	PASS	
		HCH		TN	VN	-3.88	-0.00151	PASS	
					VH	-1.82	-0.00071	PASS	
					VL	1.29	0.00051	PASS	
		15		LCH	TN	VN	-1.43	-0.00057	PASS
						VH	-0.4	-0.00016	PASS
						VL	-3.06	-0.00121	PASS
			MCH	TN	VN	-3.42	-0.00135	PASS	
					VH	-2.69	-0.00106	PASS	
					VL	0.83	0.00032	PASS	
			HCH	TN	VN	1.79	0.0007	PASS	
					VH	2.06	0.0008	PASS	
					VL	3.35	0.00133	PASS	
			20	LCH	TN	VN	2.15	0.00086	PASS
						VH	2.9	0.00116	PASS
						VL	-4.49	-0.00177	PASS
		MCH		TN	VN	-2.45	-0.00097	PASS	
					VH	-3.33	-0.00131	PASS	
					VL	0.23	0.00009	PASS	
		HCH		TN	VL	0.23	0.00009	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
BAND38	LTE/TM1	5	LCH	TN	VN	-0.27	-0.00011	PASS	
					VH	1.33	0.00052	PASS	
					VL	-0.89	-0.00035	PASS	
			MCH	TN	VN	4.45	0.00173	PASS	
					VH	-2.69	-0.00105	PASS	
					VL	-1.95	-0.00075	PASS	
		HCH	TN	VN	3.58	0.00138	PASS		
				VH	-2.68	-0.00103	PASS		
				VL	-3.75	-0.00143	PASS		
		10	LCH	TN	VN	-0.41	-0.00016	PASS	
					VH	8.13	0.00311	PASS	
					VL	-3.75	-0.00143	PASS	
			MCH	TN	VN	8.11	0.00315	PASS	
					VH	10.76	0.00418	PASS	
					VL	10.3	0.004	PASS	
		HCH	TN	VN	11.43	0.0044	PASS		
				VH	7.67	0.00296	PASS		
				VL	8.55	0.00329	PASS		
		15	LCH	TN	VN	5.51	0.00211	PASS	
					VH	2.56	0.00098	PASS	
					VL	7.81	0.00299	PASS	
			MCH	TN	VN	3.52	0.00137	PASS	
					VH	4.12	0.0016	PASS	
					VL	2.57	0.001	PASS	
		HCH	TN	VN	4.39	0.00169	PASS		
				VH	2.35	0.00091	PASS		
				VL	5.82	0.00224	PASS		
		20	LCH	TN	VN	5.64	0.00216	PASS	
					VH	6.62	0.00253	PASS	
					VL	-0.03	-0.00001	PASS	
			MCH	TN	VN	1.52	0.00059	PASS	
					VH	0.76	0.00029	PASS	
					VL	-0.67	-0.00026	PASS	
		HCH	TN	VN	0.63	0.00024	PASS		
				VH	-0.96	-0.00037	PASS		
				VL	2.92	0.00113	PASS		
		LTE/TM2	5	LCH	TN	VN	1.54	0.00059	PASS
						VH	0.31	0.00012	PASS
						VH	2.72	0.00104	PASS
						VL	-2.86	-0.00111	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	-8.63	-0.00335	PASS		
					VH	-2.95	-0.00115	PASS		
					MCH	TN	VL	7.34	0.00283	PASS
							VN	0.01	0	PASS
					VH	5.28	0.00203	PASS		
					HCH	TN	VL	0.26	0.0001	PASS
			VN	1.1			0.00042	PASS		
			VH	2.99			0.00114	PASS		
			10	LCH	TN	VL	2.56	0.00099	PASS	
						VN	5.79	0.00225	PASS	
						VH	4.65	0.00181	PASS	
					MCH	TN	VL	2.93	0.00113	PASS
		VN					2.89	0.00111	PASS	
		VH					5.08	0.00196	PASS	
		HCH		TN	VL	4.91	0.00188	PASS		
					VN	5.09	0.00195	PASS		
					VH	1.99	0.00076	PASS		
		15		LCH	TN	VL	2	0.00078	PASS	
						VN	3.25	0.00126	PASS	
						VH	1.34	0.00052	PASS	
			MCH		TN	VL	2.25	0.00087	PASS	
						VN	-1.04	-0.0004	PASS	
						VH	0.62	0.00024	PASS	
			HCH	TN	VL	3.3	0.00126	PASS		
					VN	4.23	0.00162	PASS		
					VH	4.71	0.0018	PASS		
			20	LCH	TN	VL	1.26	0.00049	PASS	
						VN	-3.43	-0.00133	PASS	
						VH	-0.3	-0.00012	PASS	
		MCH			TN	VL	1.89	0.00073	PASS	
						VN	1.62	0.00062	PASS	
						VH	-0.56	-0.00022	PASS	
		HCH		TN	VL	0.86	0.00033	PASS		
					VN	2.22	0.00085	PASS		
					VH	4.38	0.00168	PASS		

8.1.2 Frequency Error vs. Temperature:



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	3.28	0.00131	PASS
					-20	0.23	0.00009	PASS
					-10	1.99	0.0008	PASS
					0	-0.27	-0.00011	PASS
					10	1.23	0.00049	PASS
					20	2.62	0.00105	PASS
					30	1.49	0.0006	PASS
					40	1.02	0.00041	PASS
					50	2.22	0.00089	PASS
			MCH	VN	-30	-3.63	-0.00143	PASS
					-20	-4.73	-0.00187	PASS
					-10	-1.14	-0.00045	PASS
					0	-3.68	-0.00145	PASS
					10	-2.43	-0.00096	PASS
					20	-4.06	-0.0016	PASS
					30	-3.32	-0.00131	PASS
					40	-2.63	-0.00104	PASS
					50	-2.66	-0.00105	PASS
		HCH	VN	-30	0.46	0.00018	PASS	
				-20	1.47	0.00057	PASS	
				-10	-1.27	-0.00049	PASS	
				0	0.96	0.00037	PASS	
				10	0.3	0.00012	PASS	
				20	1.04	0.00041	PASS	
				30	-0.3	-0.00012	PASS	
				40	0.13	0.00005	PASS	
				50	-0.43	-0.00017	PASS	
		10	LCH	VN	-30	-3.12	-0.00125	PASS
					-20	-3.3	-0.00132	PASS
					-10	-3.89	-0.00155	PASS
					0	-2.07	-0.00083	PASS
					10	-2.37	-0.00095	PASS
					20	-2.37	-0.00095	PASS
					30	-2.86	-0.00114	PASS
					40	-1.73	-0.00069	PASS
					50	-2.99	-0.00119	PASS
MCH	VN		-30	-2.83	-0.00112	PASS		
			-20	-2.02	-0.0008	PASS		
			-10	-3.12	-0.00123	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-2.46	-0.00097	PASS
					10	-2.8	-0.0011	PASS
					20	-3.03	-0.0012	PASS
					30	-3.25	-0.00128	PASS
					40	-3.12	-0.00123	PASS
					50	-3.91	-0.00154	PASS
			HCH	VN	-30	-2.56	-0.001	PASS
					-20	-0.16	-0.00006	PASS
					-10	-2.72	-0.00106	PASS
					0	-3.05	-0.00119	PASS
					10	-2.56	-0.001	PASS
					20	-3.05	-0.00119	PASS
					30	-0.8	-0.00031	PASS
					40	-3.39	-0.00132	PASS
		LCH	VN	-30	-0.2	-0.00008	PASS	
				-20	-0.54	-0.00022	PASS	
				-10	0.87	0.00035	PASS	
				0	0.69	0.00028	PASS	
				10	1.09	0.00043	PASS	
				20	-0.16	-0.00006	PASS	
				30	0.19	0.00008	PASS	
				40	0.24	0.0001	PASS	
				50	0.86	0.00034	PASS	
				MCH	VN	-30	-3.58	-0.00141
		-20	-2.59			-0.00102	PASS	
		-10	-2.27			-0.0009	PASS	
		0	-2.33			-0.00092	PASS	
		10	-4.29			-0.00169	PASS	
		20	-2.86			-0.00113	PASS	
		30	-3.19			-0.00126	PASS	
		40	-4.05			-0.0016	PASS	
		HCH	VN	50	-4.79	-0.00189	PASS	
				-30	1.34	0.00052	PASS	
				-20	1.7	0.00066	PASS	
				-10	3.08	0.0012	PASS	
				0	0.87	0.00034	PASS	
				10	1.77	0.00069	PASS	
		20	1.85	0.00072	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	30	1.46	0.00057	PASS
					40	1.46	0.00057	PASS
					50	2.29	0.00089	PASS
					-30	0.14	0.00006	PASS
					-20	2.22	0.00088	PASS
					-10	1.52	0.00061	PASS
					0	2.2	0.00088	PASS
					10	0.3	0.00012	PASS
					20	1.9	0.00076	PASS
					30	2.17	0.00086	PASS
		40	1.89	0.00075	PASS			
		50	1.93	0.00077	PASS			
		MCH	VN	-30	-3.83	-0.00151	PASS	
				-20	-3.58	-0.00141	PASS	
				-10	-4.33	-0.00171	PASS	
				0	-3.43	-0.00135	PASS	
				10	-4.11	-0.00162	PASS	
				20	-2.98	-0.00118	PASS	
				30	-1.76	-0.00069	PASS	
		HCH	VN	-30	-0.49	-0.00019	PASS	
	-20			-0.46	-0.00018	PASS		
	-10			0.26	0.0001	PASS		
	0			-1.92	-0.00075	PASS		
	10			-0.37	-0.00014	PASS		
	20			0.5	0.0002	PASS		
	30			-0.17	-0.00007	PASS		
	40			-1.06	-0.00041	PASS		
	50	-1.13	-0.00044	PASS				
	LTE/TM2	5	LCH	VN	-30	1.29	0.00052	PASS
					-20	1.85	0.00074	PASS
					-10	2	0.0008	PASS
					0	1.29	0.00052	PASS
					10	0.93	0.00037	PASS
20					1	0.0004	PASS	
30					2.55	0.00102	PASS	
40					0.44	0.00018	PASS	
50					2.16	0.00086	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	-3.73	-0.00147	PASS
					-20	-2.29	-0.0009	PASS
					-10	-3.13	-0.00123	PASS
					0	-3.52	-0.00139	PASS
					10	-4.01	-0.00158	PASS
					20	-3.92	-0.00155	PASS
					30	-2.86	-0.00113	PASS
					40	-2.73	-0.00108	PASS
					50	-3.36	-0.00133	PASS
			HCH	VN	-30	0.97	0.00038	PASS
					-20	3.46	0.00135	PASS
					-10	1.66	0.00065	PASS
					0	2.66	0.00104	PASS
					10	2.88	0.00112	PASS
					20	1.87	0.00073	PASS
					30	3.06	0.00119	PASS
					40	0.8	0.00031	PASS
					50	2.17	0.00085	PASS
		10	LCH	VN	-30	-1.09	-0.00044	PASS
					-20	-4.29	-0.00171	PASS
					-10	-2.43	-0.00097	PASS
					0	-2.12	-0.00085	PASS
					10	-3.23	-0.00129	PASS
					20	-2.03	-0.00081	PASS
					30	-4.45	-0.00178	PASS
					40	-3.13	-0.00125	PASS
					50	-1.93	-0.00077	PASS
			MCH	VN	-30	-3.53	-0.00139	PASS
					-20	-3.32	-0.00131	PASS
					-10	-2.35	-0.00093	PASS
					0	-3.86	-0.00152	PASS
					10	-2.29	-0.0009	PASS
					20	-2.3	-0.00091	PASS
					30	-3.71	-0.00146	PASS
					40	-3.36	-0.00133	PASS
					50	-2.73	-0.00108	PASS
HCH	VN	-30	-4.71	-0.00184	PASS			
		-20	-3.13	-0.00122	PASS			
		-10	-4.73	-0.00184	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-1.89	-0.00074	PASS		
					10	-4.62	-0.0018	PASS		
					20	-2.05	-0.0008	PASS		
					30	-2.29	-0.00089	PASS		
					40	-2.07	-0.00081	PASS		
					50	-3.06	-0.00119	PASS		
		15	LCH	VN	-30	-0.64	-0.00026	PASS		
					-20	-0.56	-0.00022	PASS		
					-10	0.82	0.00033	PASS		
					0	-0.53	-0.00021	PASS		
					10	0.3	0.00012	PASS		
					20	0.47	0.00019	PASS		
					30	0.33	0.00013	PASS		
					40	-1.36	-0.00054	PASS		
					50	-0.94	-0.00037	PASS		
					MCH	VN	-30	-2.88	-0.00114	PASS
							-20	-3.08	-0.00121	PASS
							-10	-3.85	-0.00152	PASS
			0	-2.23			-0.00088	PASS		
			10	-3.1			-0.00122	PASS		
			20	-1.9			-0.00075	PASS		
			30	-4.28			-0.00169	PASS		
			40	-2.6			-0.00103	PASS		
			HCH	VN	-30	0.34	0.00013	PASS		
					-20	2.15	0.00084	PASS		
					-10	1.47	0.00057	PASS		
					0	1.36	0.00053	PASS		
					10	0.79	0.00031	PASS		
					20	1.47	0.00057	PASS		
					30	1.43	0.00056	PASS		
		40			2.47	0.00096	PASS			
		20	LCH	VN	-30	0.57	0.00023	PASS		
					-20	1.67	0.00067	PASS		
					-10	2.12	0.00084	PASS		
					0	3	0.0012	PASS		
					10	0.83	0.00033	PASS		
					20	3.42	0.00136	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					30	2.29	0.00091	PASS			
					40	1.79	0.00071	PASS			
					50	1.19	0.00047	PASS			
			MCH	VN	-30	-3.89	-0.00153	PASS			
					-20	-4.05	-0.0016	PASS			
					-10	-2.73	-0.00108	PASS			
					0	-3.1	-0.00122	PASS			
					10	-3.65	-0.00144	PASS			
					20	-3.05	-0.0012	PASS			
					30	-1.79	-0.00071	PASS			
					40	-2.76	-0.00109	PASS			
					50	-2.75	-0.00108	PASS			
					HCH	VN	-30	-0.57	-0.00022	PASS	
			-20	-1.16			-0.00045	PASS			
			-10	0.4			0.00016	PASS			
			0	1.56			0.00061	PASS			
			10	-0.53			-0.00021	PASS			
			20	-0.5			-0.0002	PASS			
			30	-0.06			-0.00002	PASS			
			40	0.1			0.00004	PASS			
			50	-0.44	-0.00017	PASS					
			BAND38	LTE/TM1	5	LCH	VN	-30	0	0	PASS
								-20	-2.96	-0.00115	PASS
								-10	-5.76	-0.00224	PASS
0	-11.54	-0.00449						PASS			
10	-5.54	-0.00215						PASS			
20	-8.83	-0.00343						PASS			
30	-7.51	-0.00292						PASS			
40	-4.23	-0.00164						PASS			
50	-5.45	-0.00212						PASS			
MCH	VN	-30				1.73	0.00067	PASS			
		-20				2.39	0.00092	PASS			
		-10				1.52	0.00059	PASS			
		0				-1.44	-0.00055	PASS			
		10				-1.8	-0.00069	PASS			
		20				2.35	0.00091	PASS			
		30				-0.06	-0.00002	PASS			
		40				5.85	0.00225	PASS			
		50				4.69	0.00181	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	4.96	0.00189	PASS
					-20	-1.92	-0.00073	PASS
					-10	-3.3	-0.00126	PASS
					0	4.56	0.00174	PASS
					10	5.14	0.00196	PASS
					20	5.06	0.00193	PASS
					30	2.13	0.00081	PASS
					40	0.72	0.00028	PASS
					50	-0.06	-0.00002	PASS
		10	LCH	VN	-30	11.57	0.00449	PASS
					-20	9.2	0.00357	PASS
					-10	5.75	0.00223	PASS
					0	3.58	0.00139	PASS
					10	5.32	0.00207	PASS
					20	5.09	0.00198	PASS
					30	8.63	0.00335	PASS
					40	6.45	0.0025	PASS
					50	9.2	0.00357	PASS
			MCH	VN	-30	0.54	0.00021	PASS
					-20	0.01	0	PASS
					-10	-1.27	-0.00049	PASS
					0	2.15	0.00083	PASS
					10	0.26	0.0001	PASS
					20	-0.64	-0.00025	PASS
					30	1.9	0.00073	PASS
					40	1.4	0.00054	PASS
					50	1.23	0.00047	PASS
		HCH	VN	-30	4.56	0.00174	PASS	
				-20	4.55	0.00174	PASS	
				-10	0.83	0.00032	PASS	
				0	7.78	0.00298	PASS	
				10	4.81	0.00184	PASS	
				20	7.82	0.00299	PASS	
				30	4.19	0.0016	PASS	
				40	3.58	0.00137	PASS	
				50	6.11	0.00234	PASS	
		15	LCH	VN	-30	4.89	0.0019	PASS
					-20	5.49	0.00213	PASS
					-10	1.5	0.00058	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
					0	5.45	0.00211	PASS						
					10	9.07	0.00352	PASS						
					20	6.08	0.00236	PASS						
					30	3.09	0.0012	PASS						
					40	5.56	0.00216	PASS						
					50	5.52	0.00214	PASS						
			MCH	VN				-30	2.43	0.00094	PASS			
								-20	0.87	0.00034	PASS			
								-10	0.59	0.00023	PASS			
								0	1.33	0.00051	PASS			
								10	-0.34	-0.00013	PASS			
								20	-0.17	-0.00007	PASS			
								30	0.82	0.00032	PASS			
								40	2.33	0.0009	PASS			
			50	1.73		0.00067	PASS							
			HCH	VN					-30	4.05	0.00155	PASS		
									-20	3.82	0.00146	PASS		
									-10	3.89	0.00149	PASS		
									0	3.08	0.00118	PASS		
									10	1.37	0.00052	PASS		
									20	2.57	0.00098	PASS		
		30							5.16	0.00198	PASS			
		40							8.01	0.00307	PASS			
		50	7.01	0.00268			PASS							
		20					LCH	VN	-30	-0.74	-0.00029	PASS		
									-20	0.49	0.00019	PASS		
									-10	0.79	0.00031	PASS		
					0				-1.04	-0.0004	PASS			
					10				1.06	0.00041	PASS			
					20				1.23	0.00048	PASS			
					30				1.16	0.00045	PASS			
					40				0.66	0.00026	PASS			
					50		5.94	0.0023	PASS					
					MCH		VN				-30	1.6	0.00062	PASS
											-20	1.76	0.00068	PASS
											-10	0.94	0.00036	PASS
						0					0.04	0.00002	PASS	
						10					-2.76	-0.00106	PASS	
						20					1.4	0.00054	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					30	4.19	0.00161	PASS			
					40	1.62	0.00062	PASS			
					50	0.47	0.00018	PASS			
					HCH	VN	-30	1.69	0.00065	PASS	
							-20	4.21	0.00161	PASS	
			-10	2.02			0.00077	PASS			
			0	4.59			0.00176	PASS			
			10	3.23			0.00124	PASS			
			20	2.17			0.00083	PASS			
			30	2.06			0.00079	PASS			
			40	4.23			0.00162	PASS			
			50	3.45			0.00132	PASS			
			LCH	VN			-30	-2.85	-0.00111	PASS	
					-20	-5.71	-0.00222	PASS			
					-10	-0.9	-0.00035	PASS			
					0	-5.88	-0.00229	PASS			
					10	0.06	0.00002	PASS			
					20	-6.37	-0.00248	PASS			
					30	-6.85	-0.00266	PASS			
					40	-2.35	-0.00091	PASS			
	50	-7.98			-0.0031	PASS					
	MCH	VN			-30	0.53	0.0002	PASS			
			-20	6.39	0.00246	PASS					
			-10	0.09	0.00003	PASS					
			0	1.63	0.00063	PASS					
			10	-1.43	-0.00055	PASS					
			20	1.87	0.00072	PASS					
			30	0.67	0.00026	PASS					
			40	-4.82	-0.00186	PASS					
			50	-0.63	-0.00024	PASS					
			HCH	VN	-30	3	0.00115	PASS			
	-20	-3.25			-0.00124	PASS					
	-10	3.28			0.00125	PASS					
	0	2.9			0.00111	PASS					
	10	6.24			0.00238	PASS					
	20	0.63			0.00024	PASS					
	30	-2.15			-0.00082	PASS					
	40	-3.22			-0.00123	PASS					
	50	-4.79			-0.00183	PASS					
	LTE/TM2	5						-30	-2.85	-0.00111	PASS
-20			-5.71	-0.00222				PASS			
-10			-0.9	-0.00035				PASS			
0			-5.88	-0.00229				PASS			
10			0.06	0.00002				PASS			
20			-6.37	-0.00248				PASS			
30			-6.85	-0.00266				PASS			
40			-2.35	-0.00091				PASS			
50			-7.98	-0.0031				PASS			
										-30	0.53
						-20	6.39			0.00246	PASS
						-10	0.09			0.00003	PASS
						0	1.63			0.00063	PASS
						10	-1.43			-0.00055	PASS
						20	1.87			0.00072	PASS
						30	0.67			0.00026	PASS
						40	-4.82			-0.00186	PASS
						50	-0.63			-0.00024	PASS
-20			-3.25	-0.00124				PASS			
-10	3.28	0.00125	PASS								
0	2.9	0.00111	PASS								
10	6.24	0.00238	PASS								
20	0.63	0.00024	PASS								
30	-2.15	-0.00082	PASS								
40	-3.22	-0.00123	PASS								
50	-4.79	-0.00183	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	1.27	0.00049	PASS
					-20	1.57	0.00061	PASS
					-10	3.86	0.0015	PASS
					0	1.57	0.00061	PASS
					10	1.93	0.00075	PASS
					20	11.3	0.00439	PASS
					30	7.02	0.00273	PASS
					40	6.64	0.00258	PASS
					50	3.1	0.0012	PASS
			MCH	VN	-30	-3.49	-0.00134	PASS
					-20	-0.8	-0.00031	PASS
					-10	-5.01	-0.00193	PASS
					0	-1.75	-0.00067	PASS
					10	-2.83	-0.00109	PASS
					20	-5.24	-0.00202	PASS
					30	1.13	0.00044	PASS
					40	-0.11	-0.00004	PASS
					50	0.39	0.00015	PASS
			HCH	VN	-30	6.14	0.00235	PASS
					-20	5.78	0.00221	PASS
					-10	6.27	0.0024	PASS
					0	9.6	0.00367	PASS
					10	8.8	0.00337	PASS
					20	7.27	0.00278	PASS
		30			6.28	0.0024	PASS	
		40			9.14	0.0035	PASS	
		50			11.67	0.00446	PASS	
		15	LCH	VN	-30	0.23	0.00009	PASS
					-20	0.03	0.00001	PASS
					-10	2.72	0.00106	PASS
					0	2.63	0.00102	PASS
					10	2.19	0.00085	PASS
					20	2.07	0.0008	PASS
					30	3.05	0.00118	PASS
					40	4.29	0.00166	PASS
					50	0.13	0.00005	PASS
MCH	VN		-30	1.69	0.00065	PASS		
			-20	-0.82	-0.00032	PASS		
			-10	-2.63	-0.00101	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-2.65	-0.00102	PASS		
					10	1.27	0.00049	PASS		
					20	-0.17	-0.00007	PASS		
					30	1.82	0.0007	PASS		
					40	-3.72	-0.00143	PASS		
					50	-1.86	-0.00072	PASS		
			HCH	VN	-30	4.08	0.00156	PASS		
					-20	7.22	0.00276	PASS		
					-10	4.71	0.0018	PASS		
					0	5.08	0.00194	PASS		
					10	5.32	0.00204	PASS		
					20	4.43	0.0017	PASS		
			LCH	VN	30	3.05	0.00117	PASS		
					40	7.18	0.00275	PASS		
					50	5.82	0.00223	PASS		
					-30	1.37	0.00053	PASS		
					-20	0.82	0.00032	PASS		
					-10	1.32	0.00051	PASS		
		0			0	0	PASS			
		10			2.29	0.00089	PASS			
		20			-0.86	-0.00033	PASS			
		30			-0.3	-0.00012	PASS			
		MCH	VN	40	1.17	0.00045	PASS			
				50	0.23	0.00009	PASS			
				-30	-0.2	-0.00008	PASS			
				-20	-2.06	-0.00079	PASS			
				-10	-0.11	-0.00004	PASS			
				0	0.86	0.00033	PASS			
				10	-0.43	-0.00017	PASS			
				20	0.72	0.00028	PASS			
		HCH	VN	30	1.72	0.00066	PASS			
				40	-2.17	-0.00084	PASS			
				50	0.93	0.00036	PASS			
				-30	-0.21	-0.00008	PASS			
				-20	3.62	0.00139	PASS			
				-10	2.03	0.00078	PASS			
				20			0	6.01	0.0023	PASS
							10	5.36	0.00205	PASS
							20	4.13	0.00158	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	2.99	0.00115	PASS
					40	2.92	0.00112	PASS
					50	1.6	0.00061	PASS

END