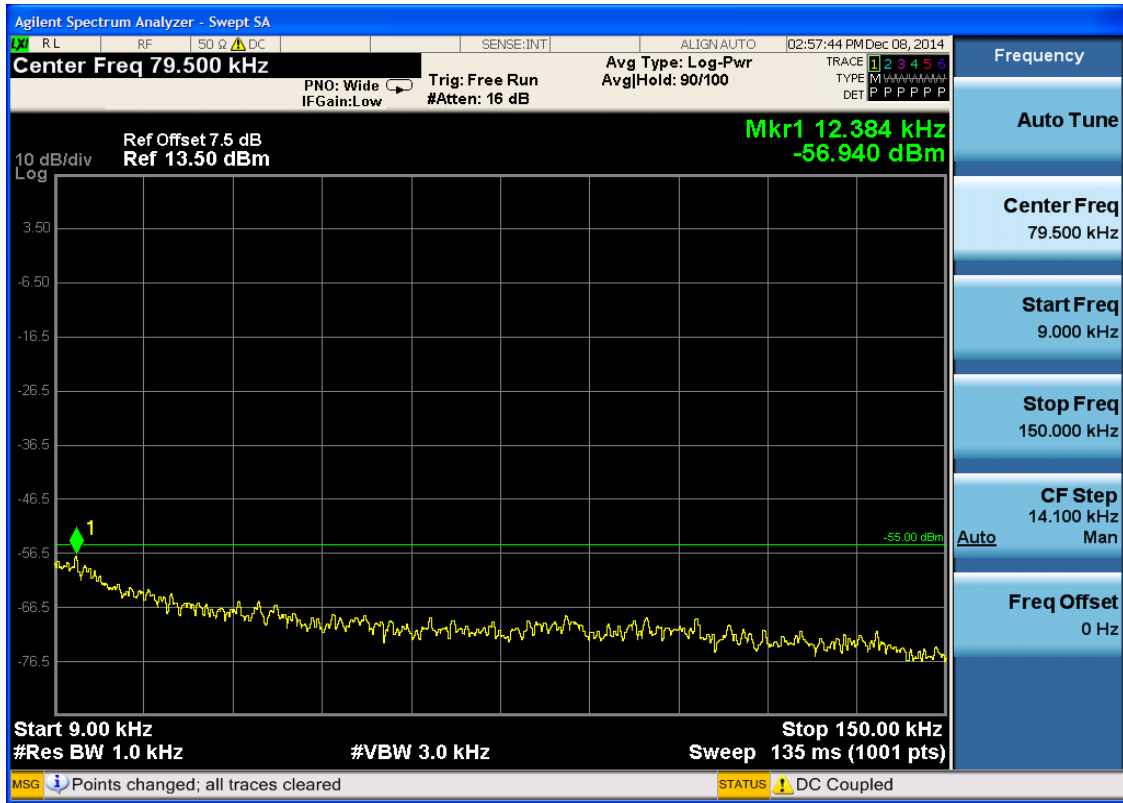
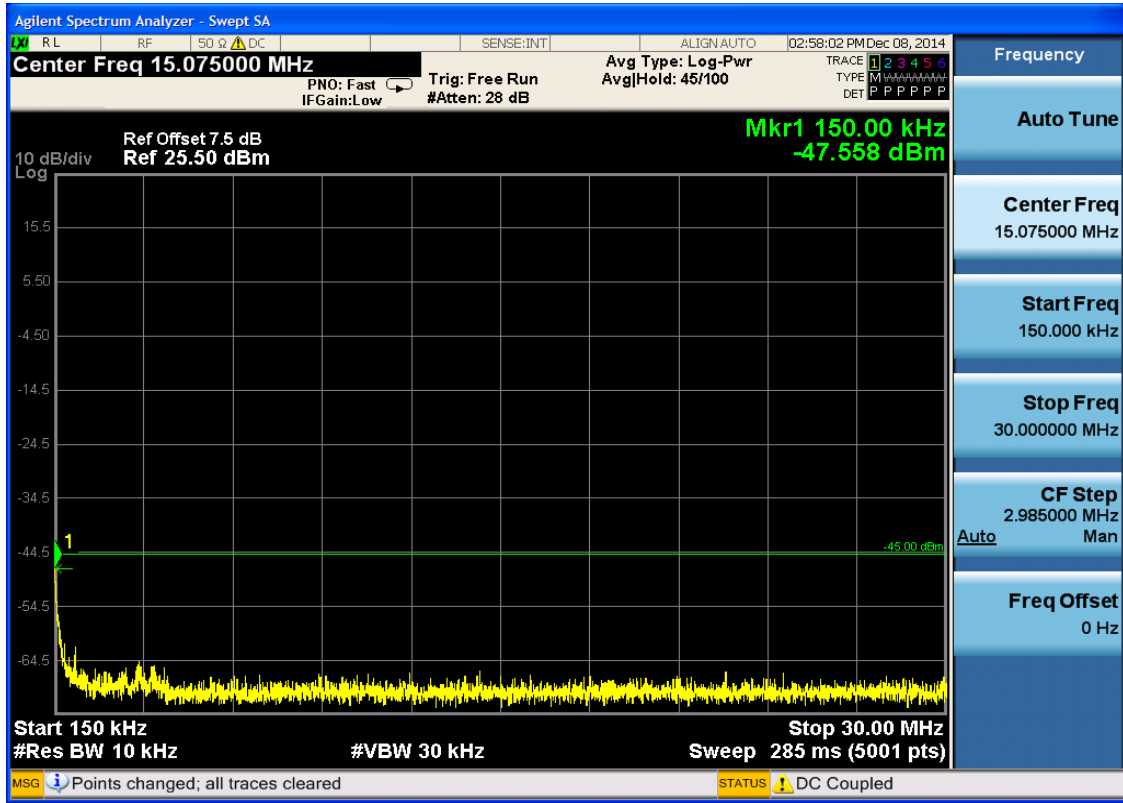


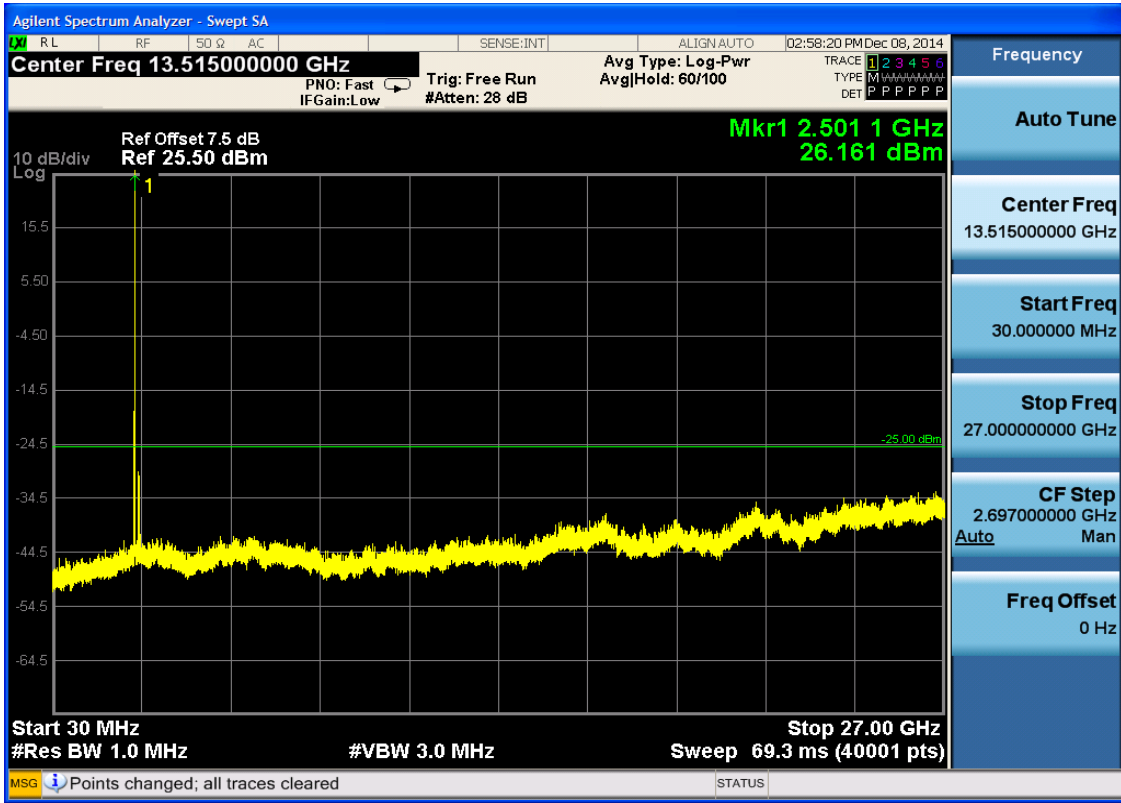
6.3.4.2.3 Test Bandwidth = 15

6.3.4.2.3.1 Test Channel = LCH

6.3.4.2.3.1.1 Test RB = RB1#0



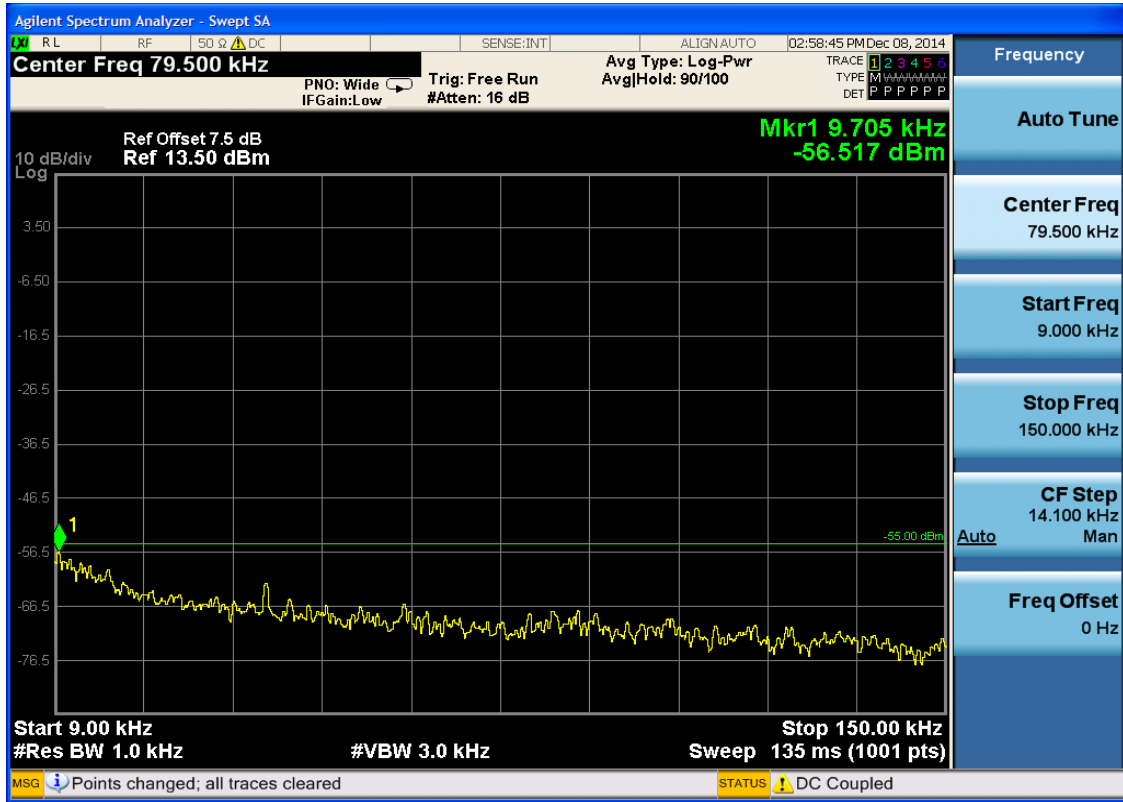


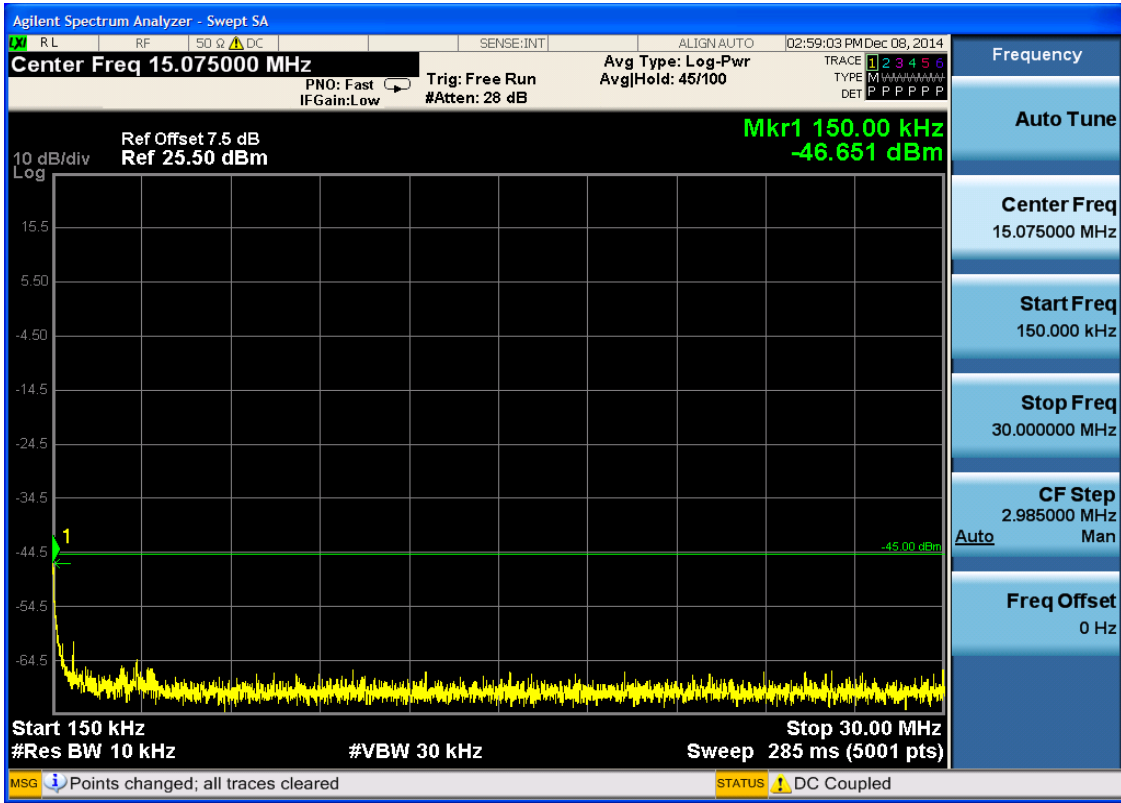


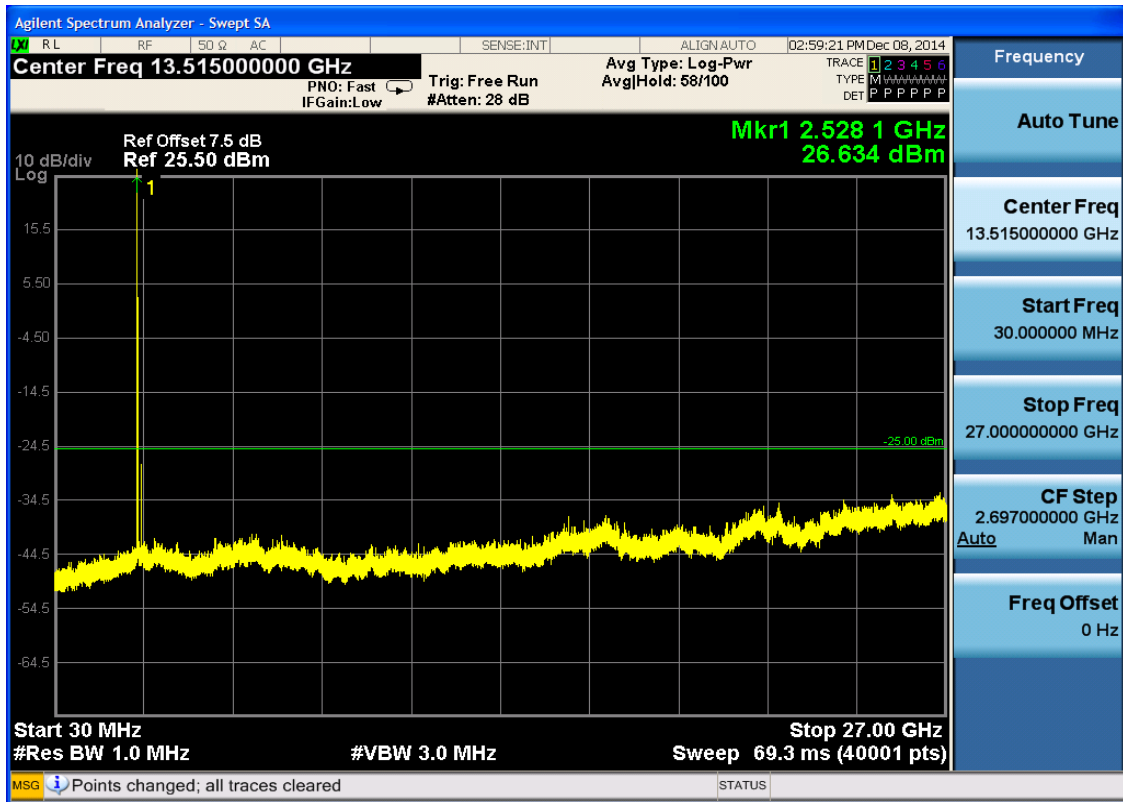


6.3.4.2.3.2 Test Channel = MCH

6.3.4.2.3.2.1 Test RB = RB1#0

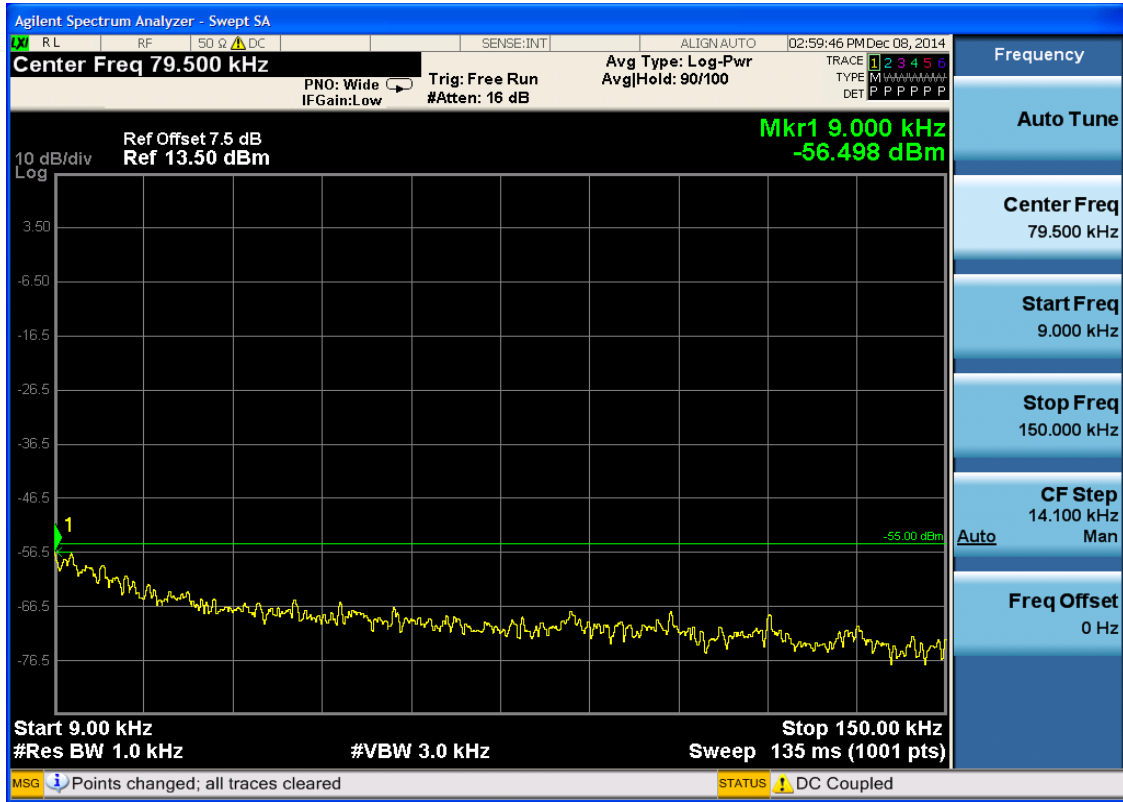


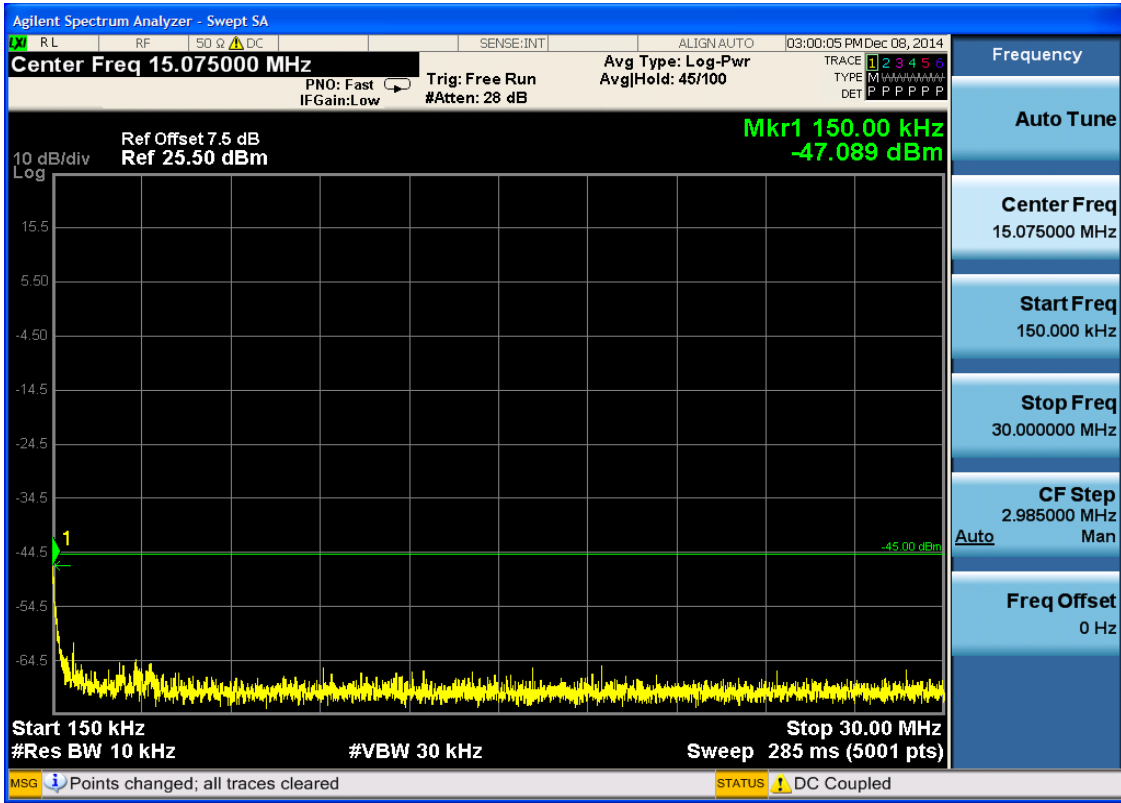


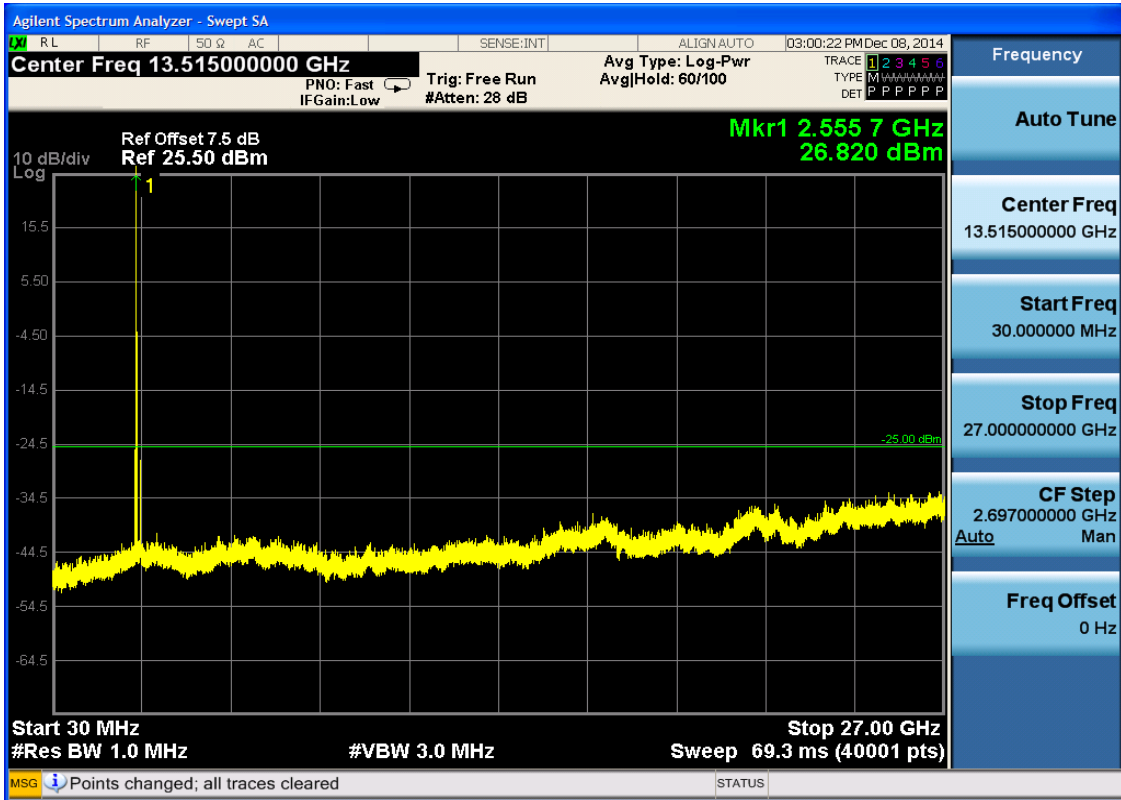


6.3.4.2.3.3 Test Channel = HCH

6.3.4.2.3.3.1 Test RB = RB1#0





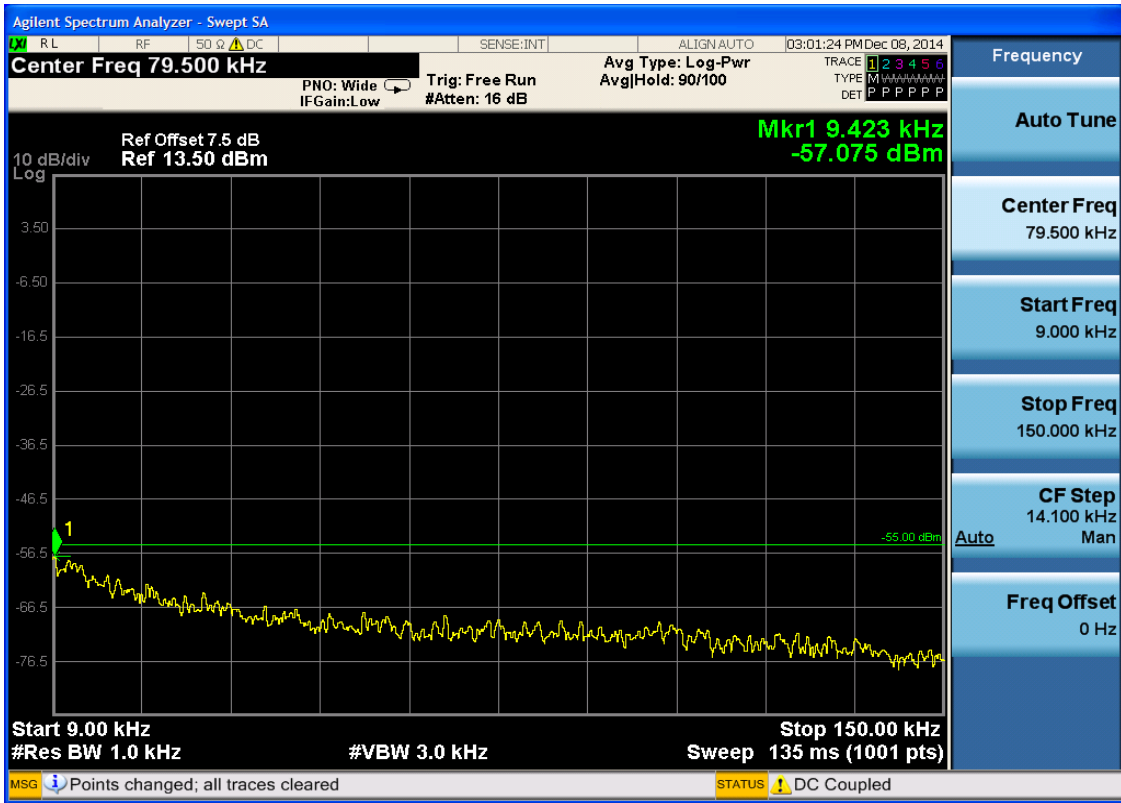


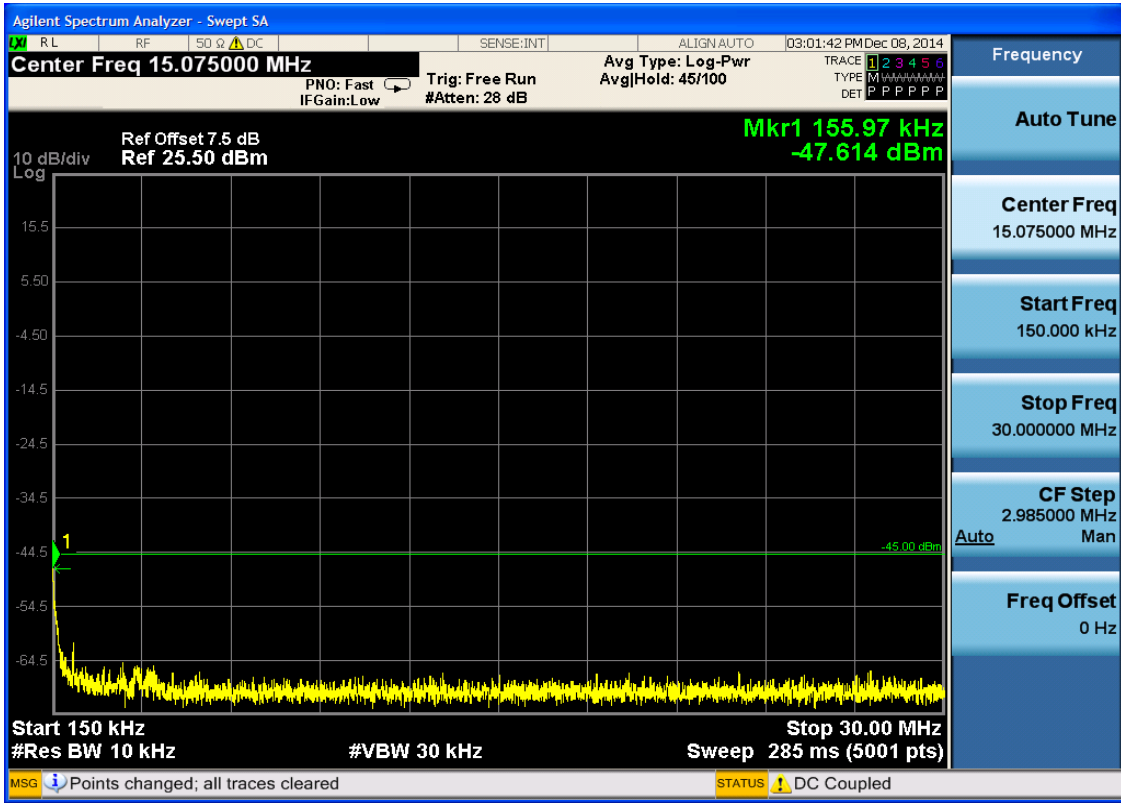


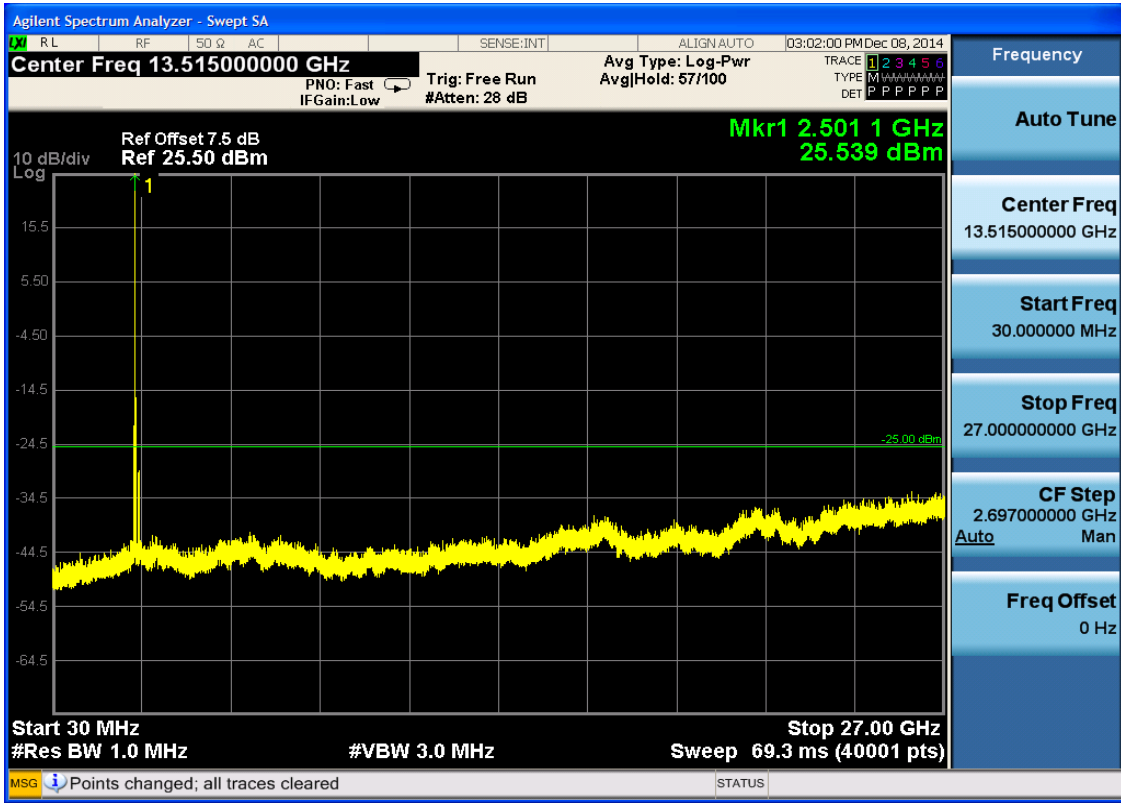
6.3.4.2.4 Test Bandwidth = 20

6.3.4.2.4.1 Test Channel = LCH

6.3.4.2.4.1.1 Test RB = RB1#0



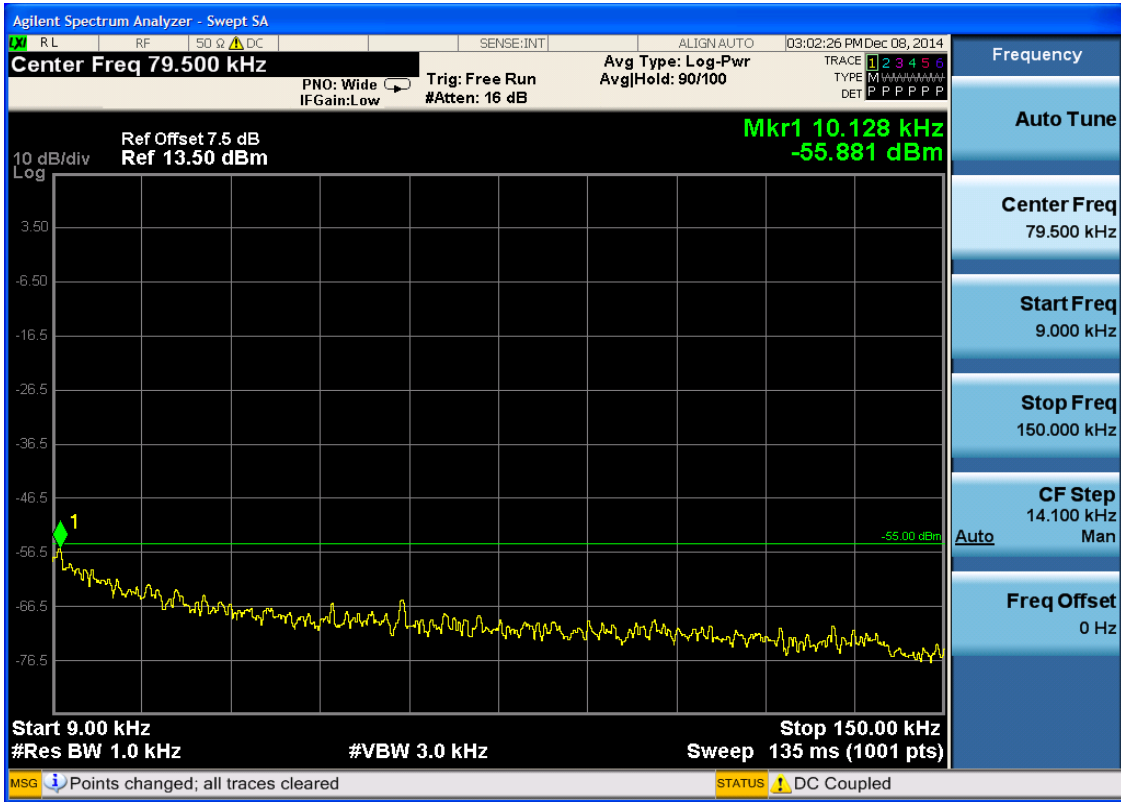


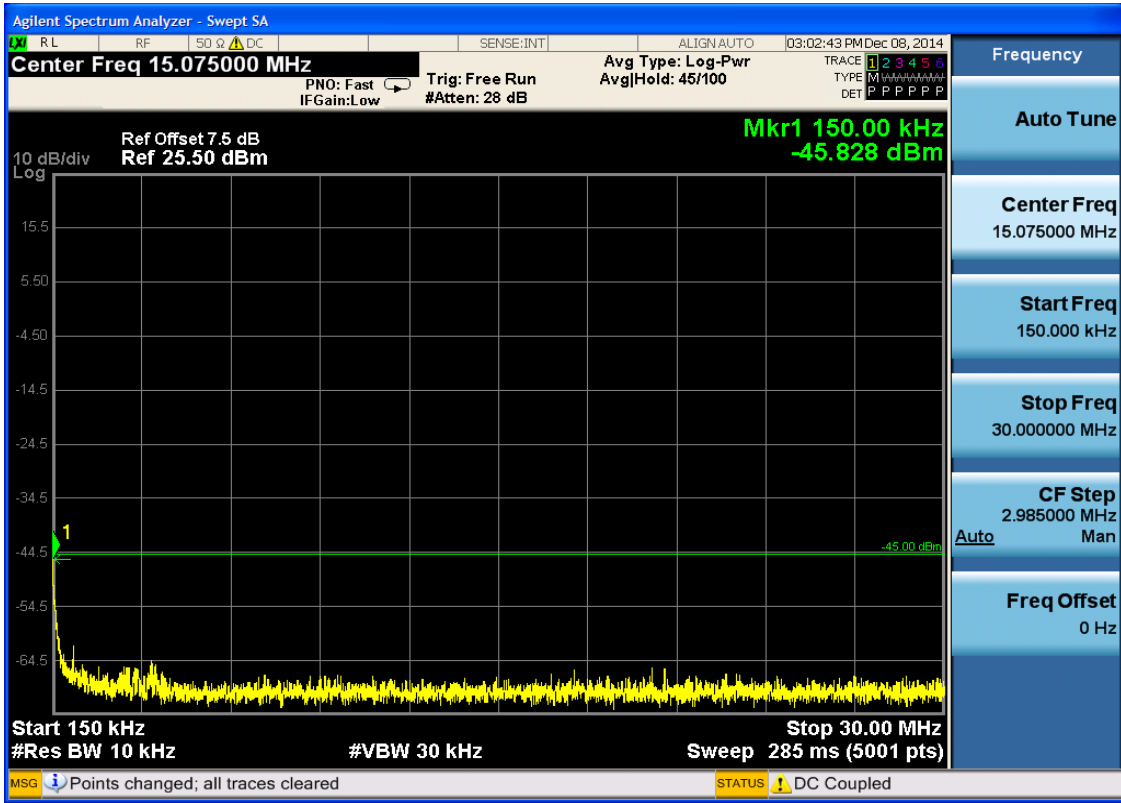


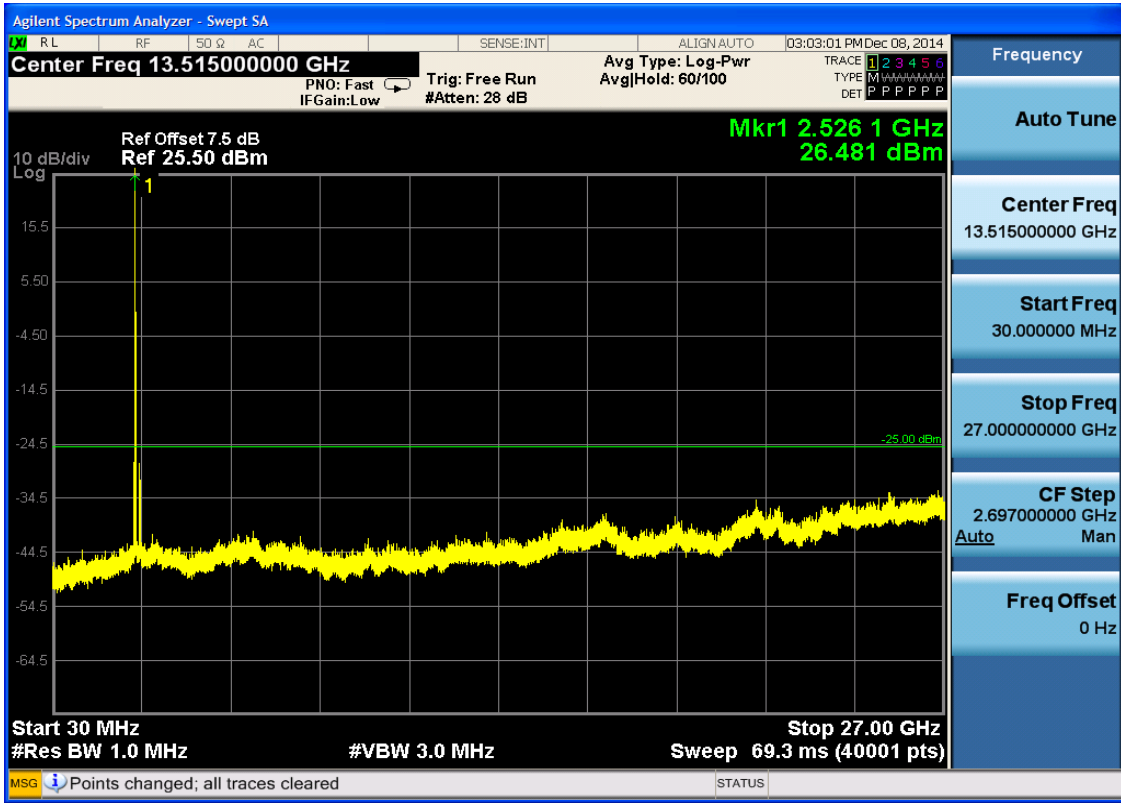


6.3.4.2.4.2 Test Channel = MCH

6.3.4.2.4.2.1 Test RB = RB1#0



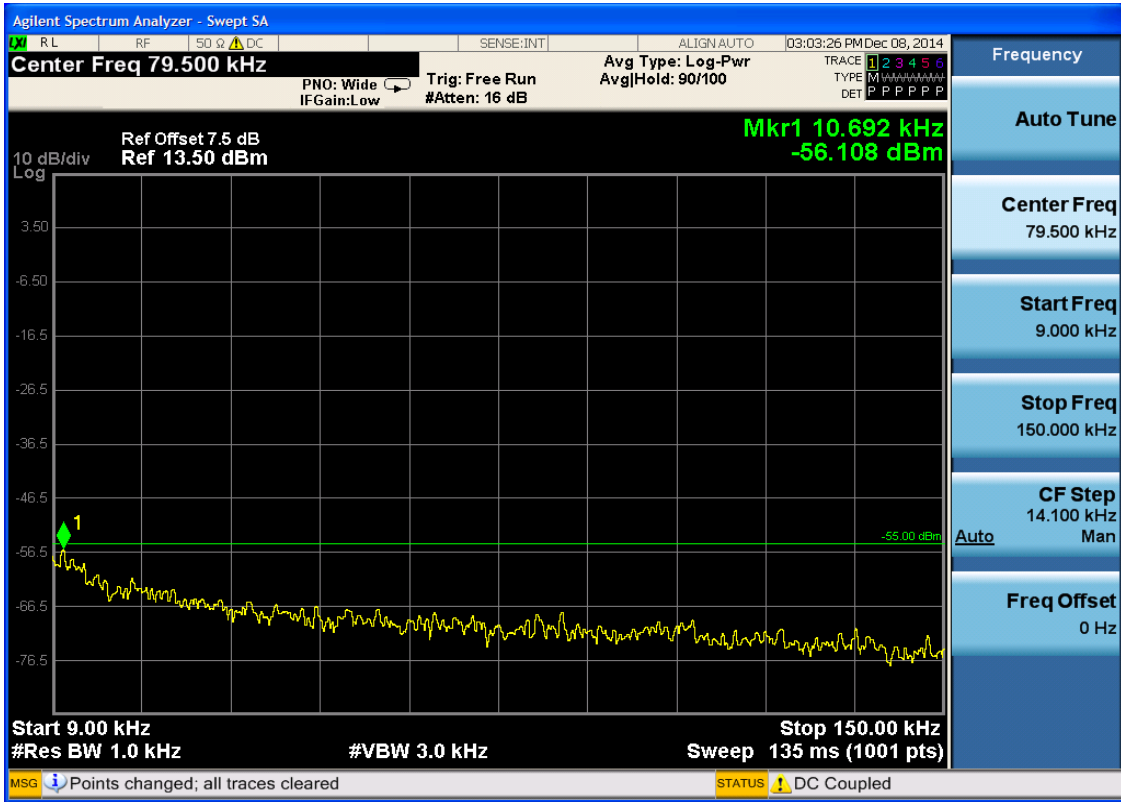


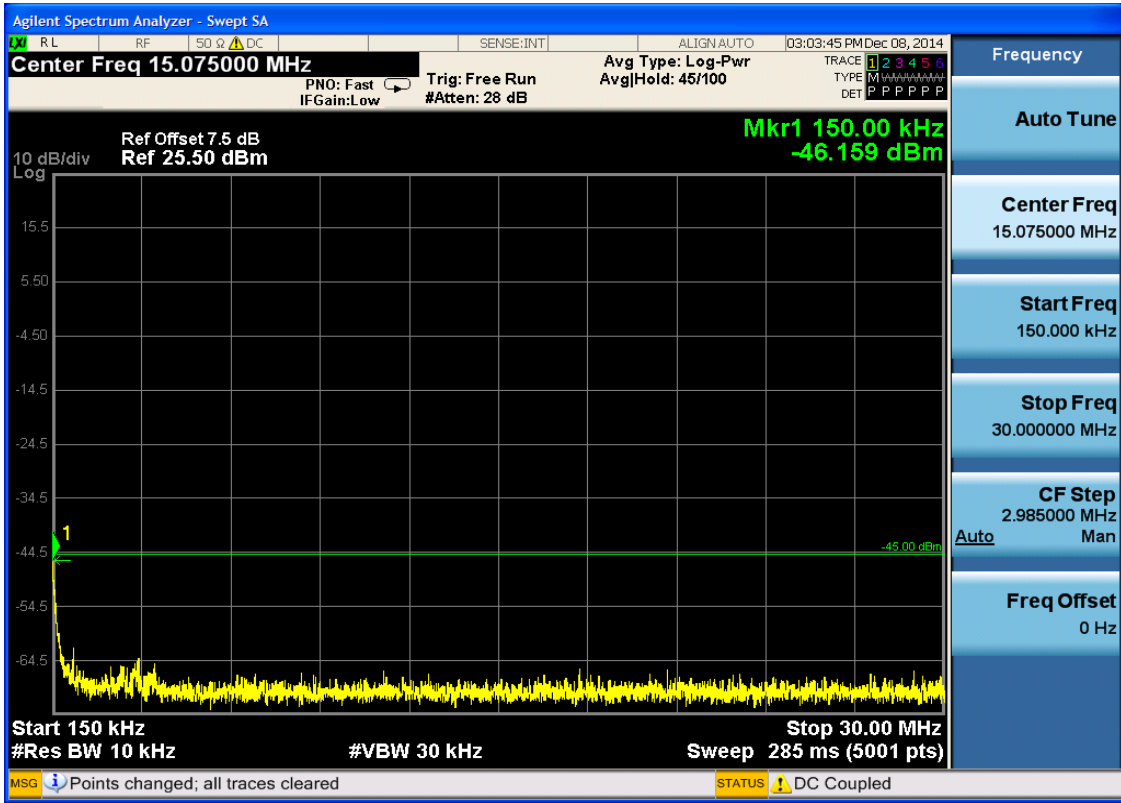


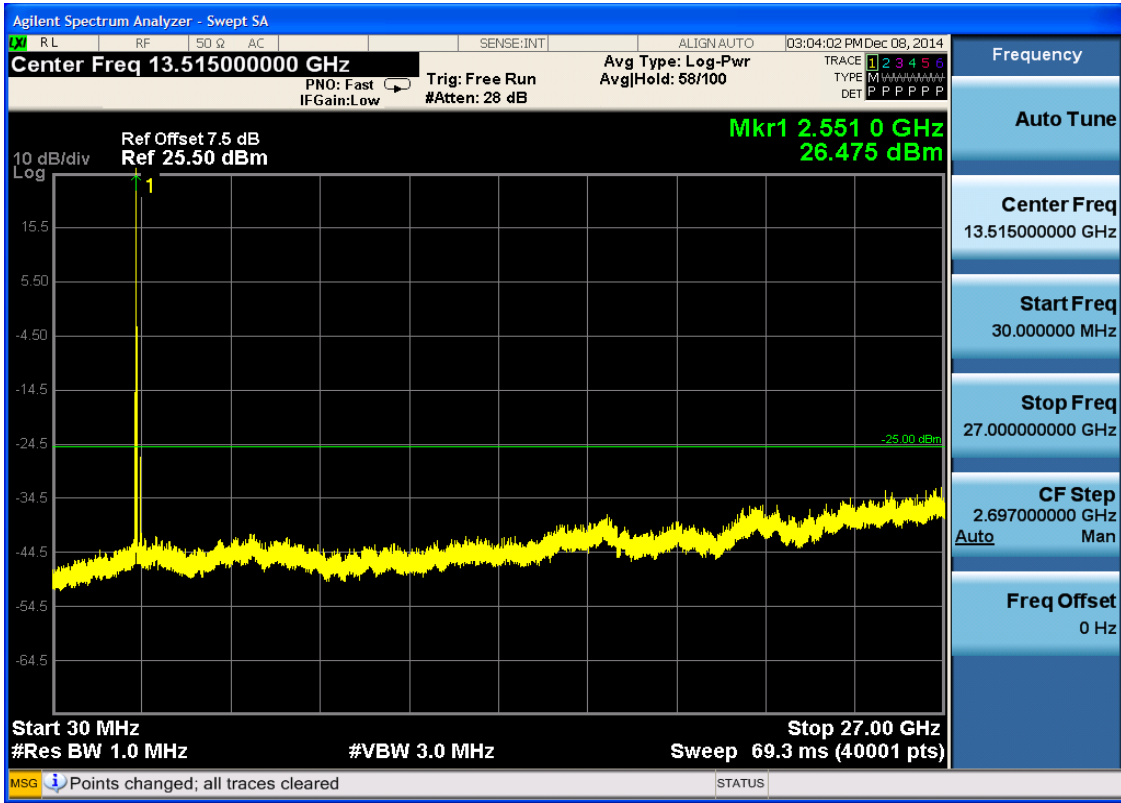


6.3.4.2.4.3 Test Channel = HCH

6.3.4.2.4.3.1 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

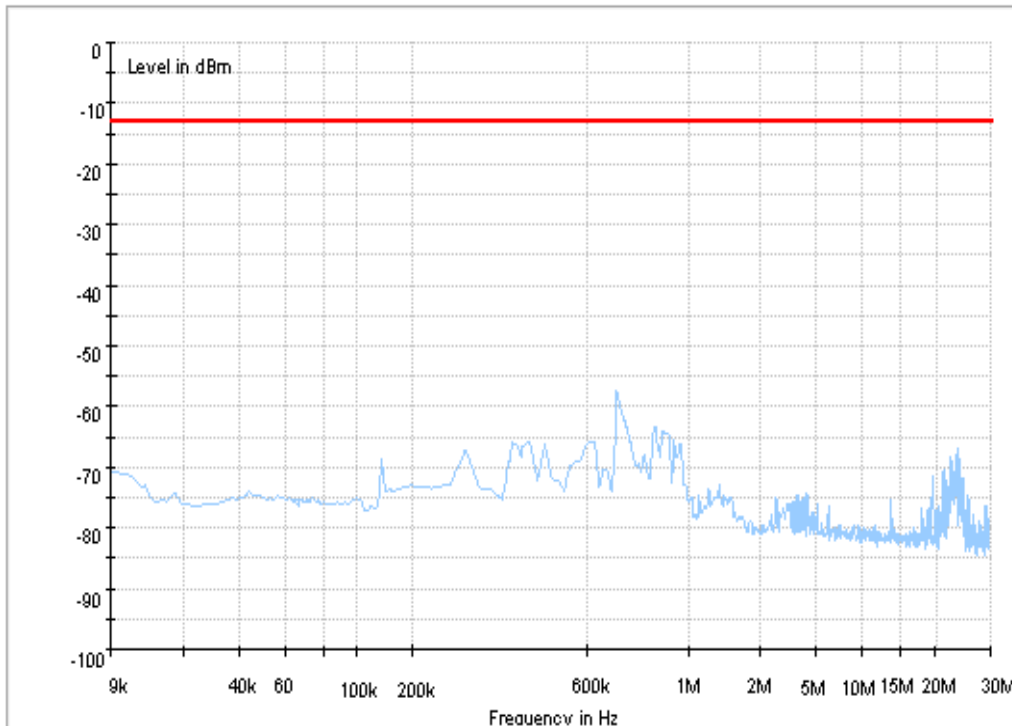
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

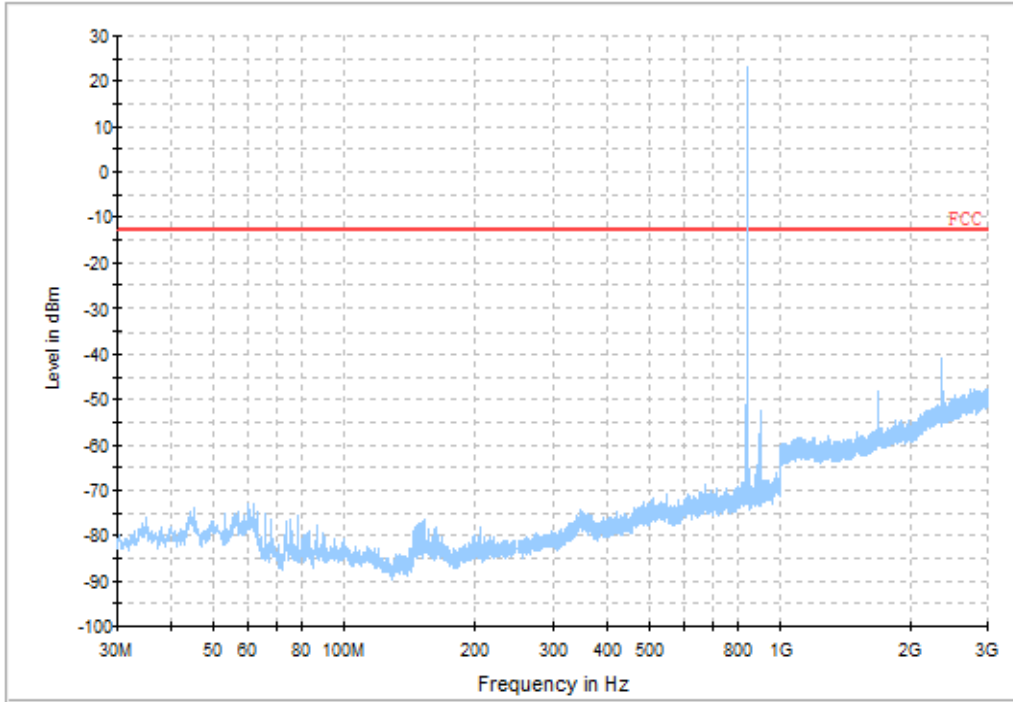
7.1 For GSM

7.1.1 Test Band = GSM850

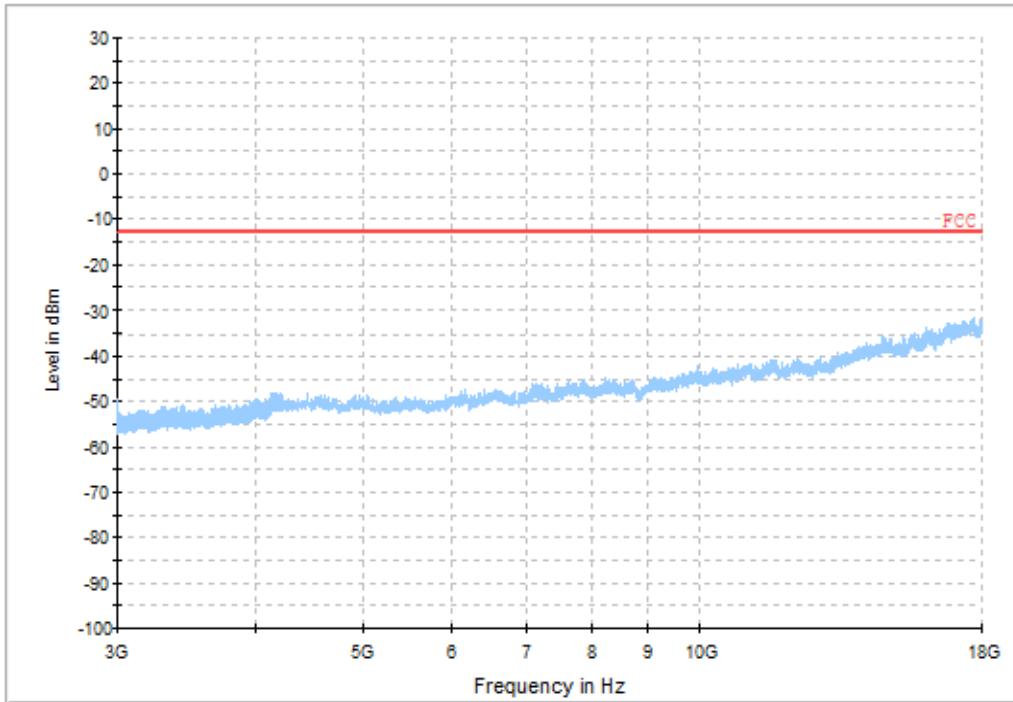
7.1.1.1 Test Mode = GSM/TM1



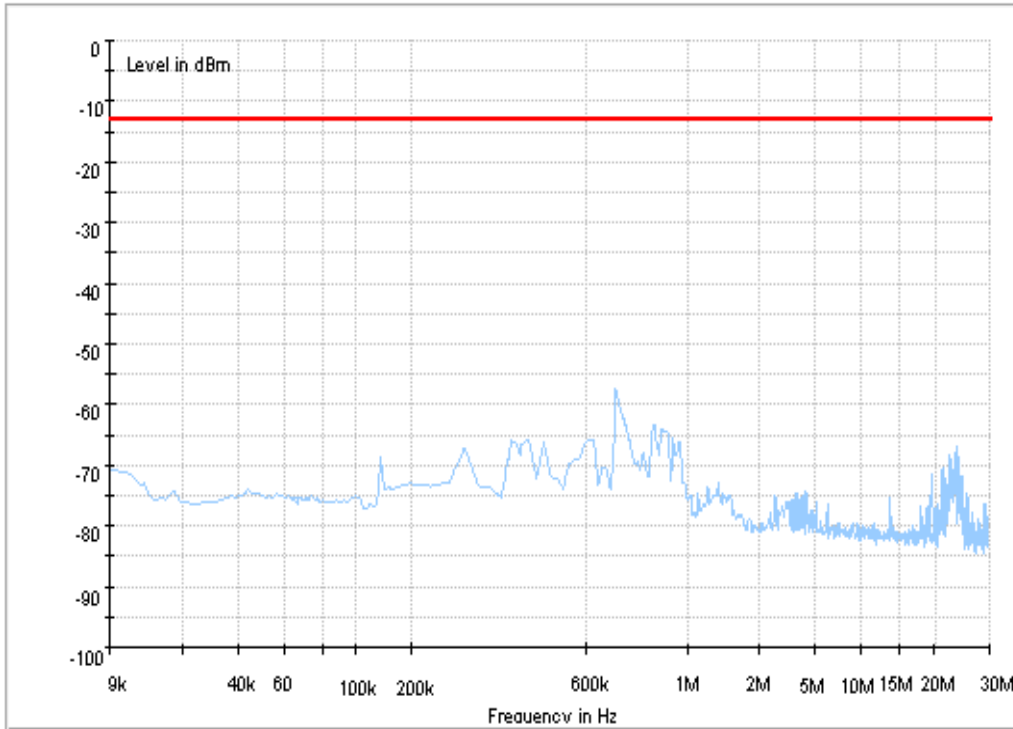
Copy of FCC PART22 GSM850_L



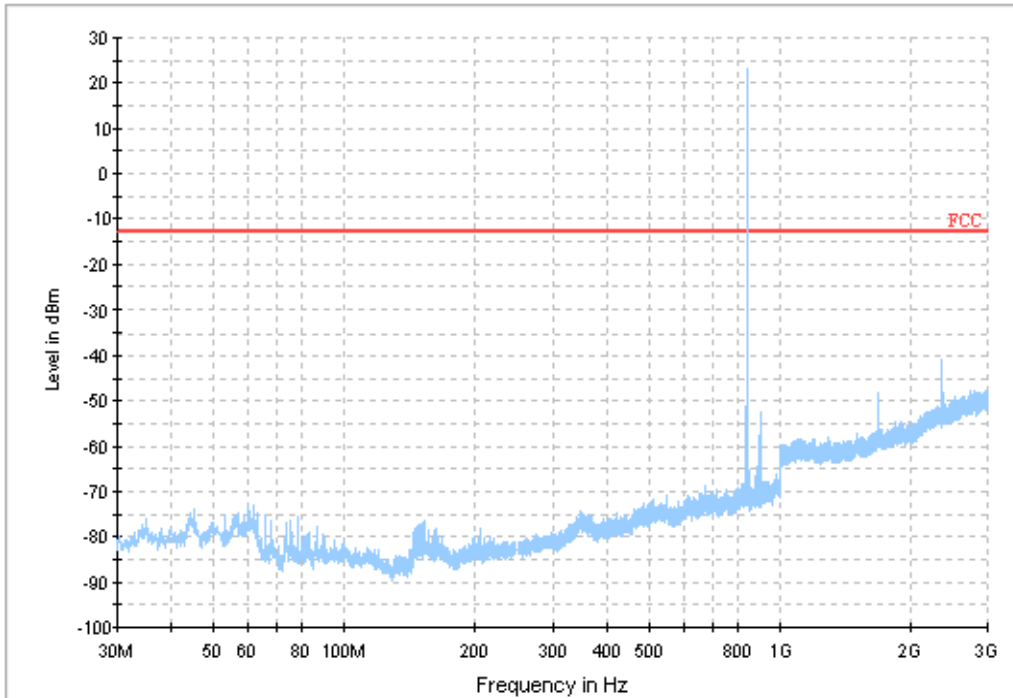
Copy of FCC PART22 GSM850_H



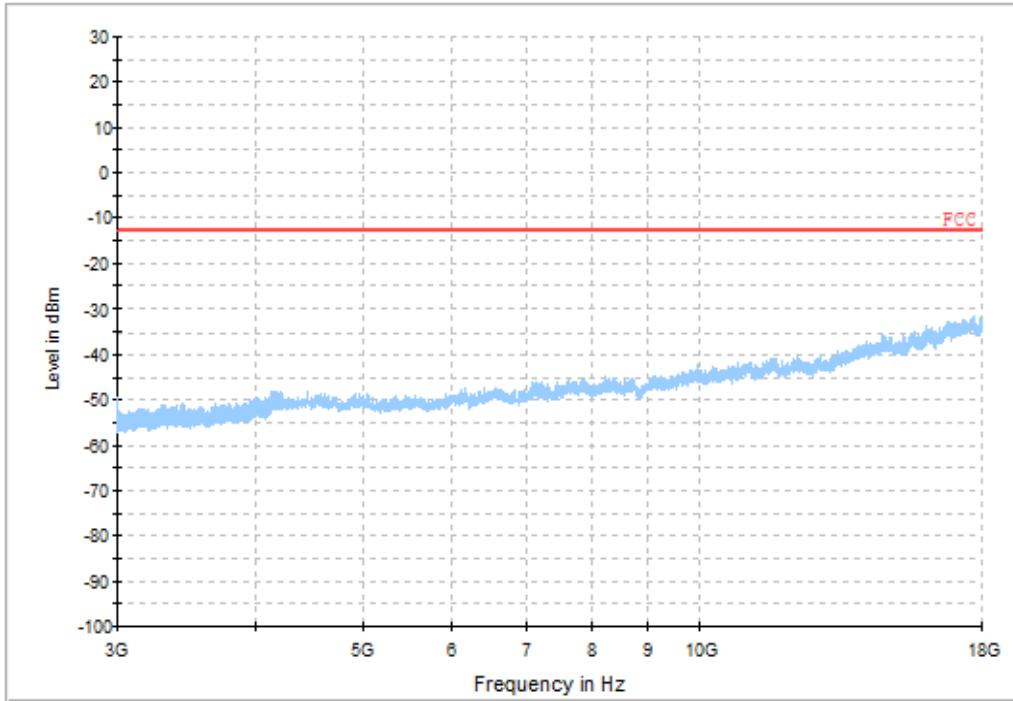
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

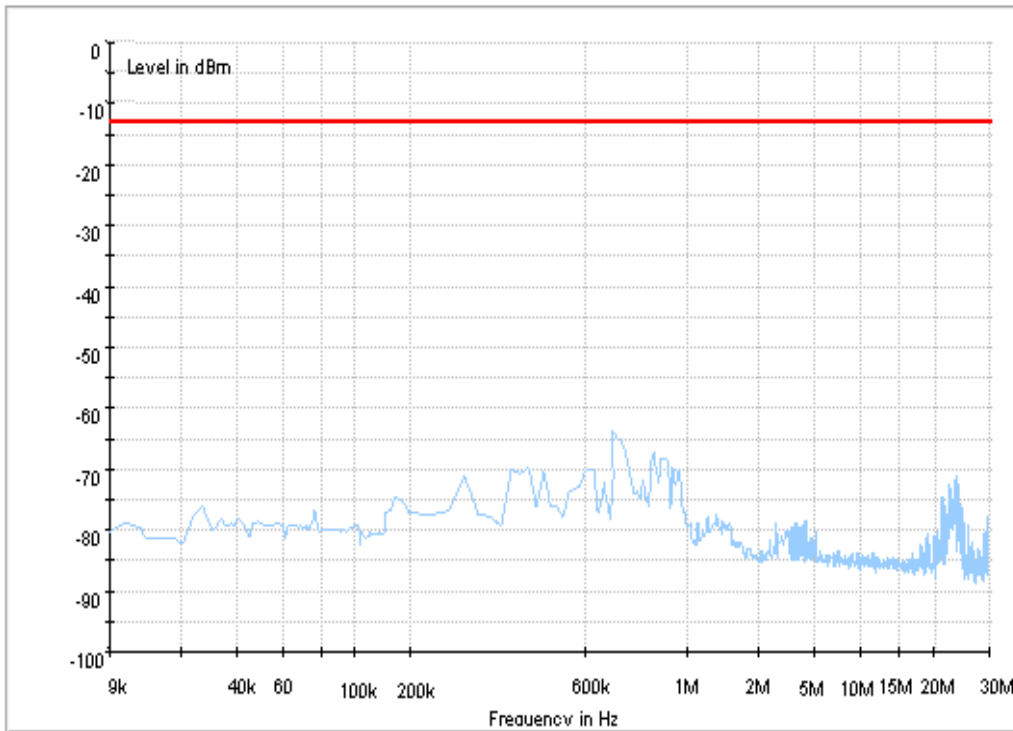


Copy of FCC PART22 GSM850_H

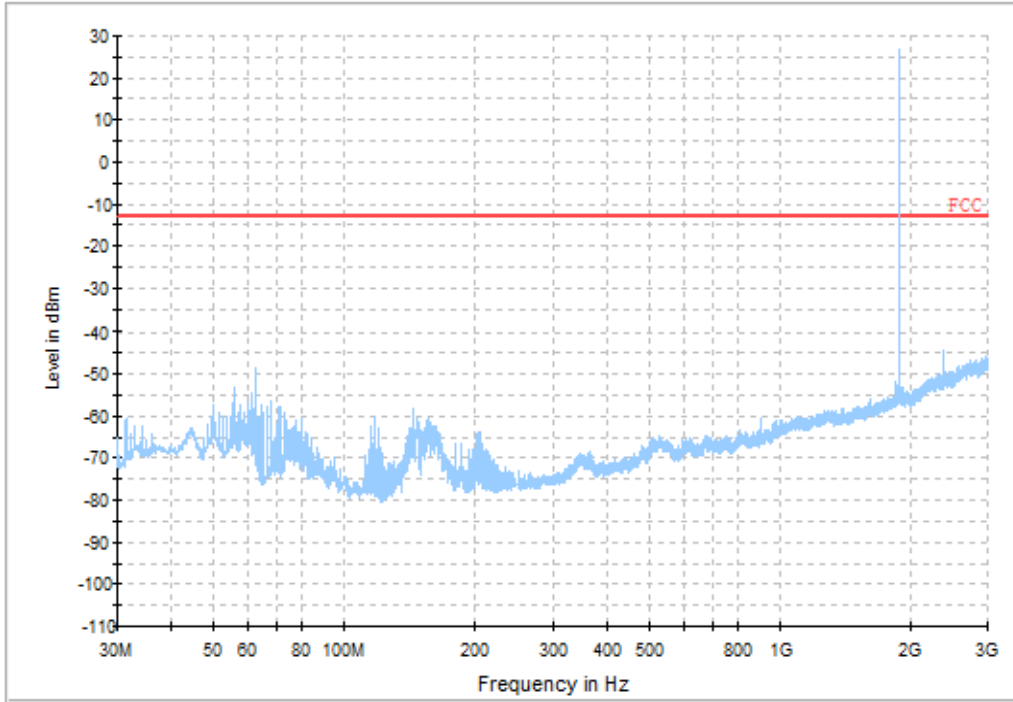


7.1.2 Test Band = GSM1900

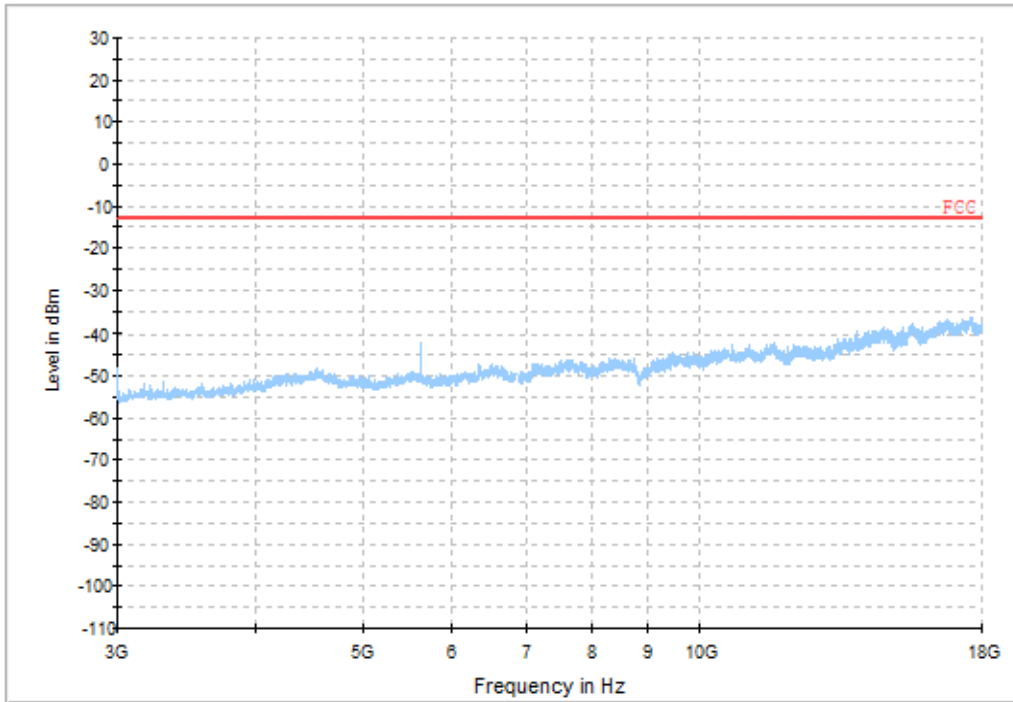
7.1.2.1 Test Mode = GSM/TM1

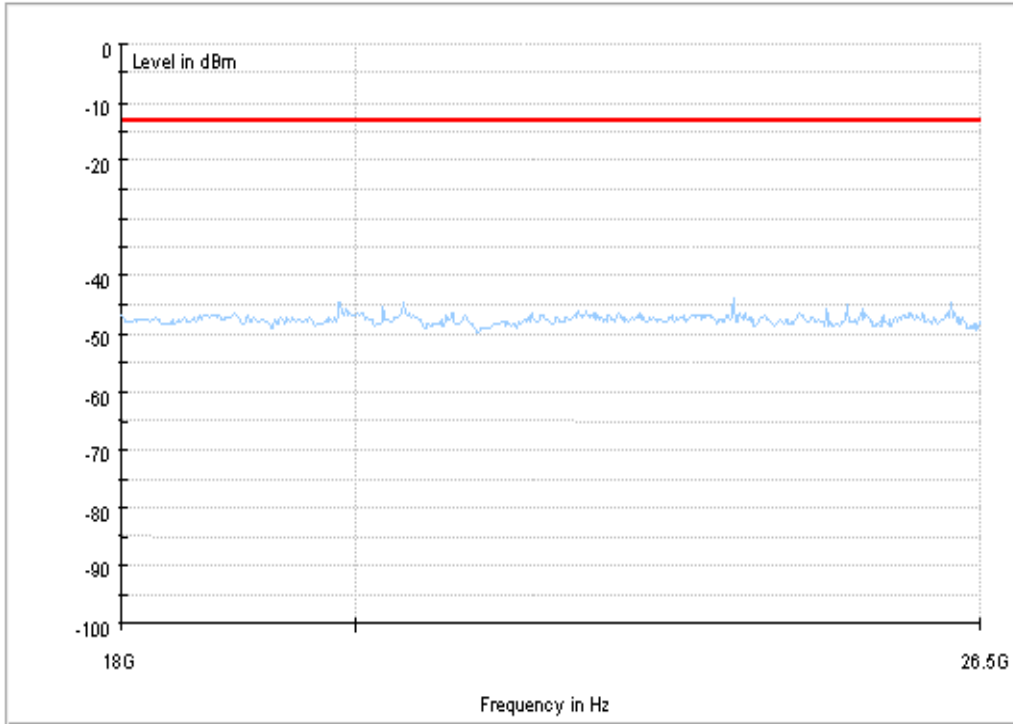


Copy of FCC PART24 GSM1900_L

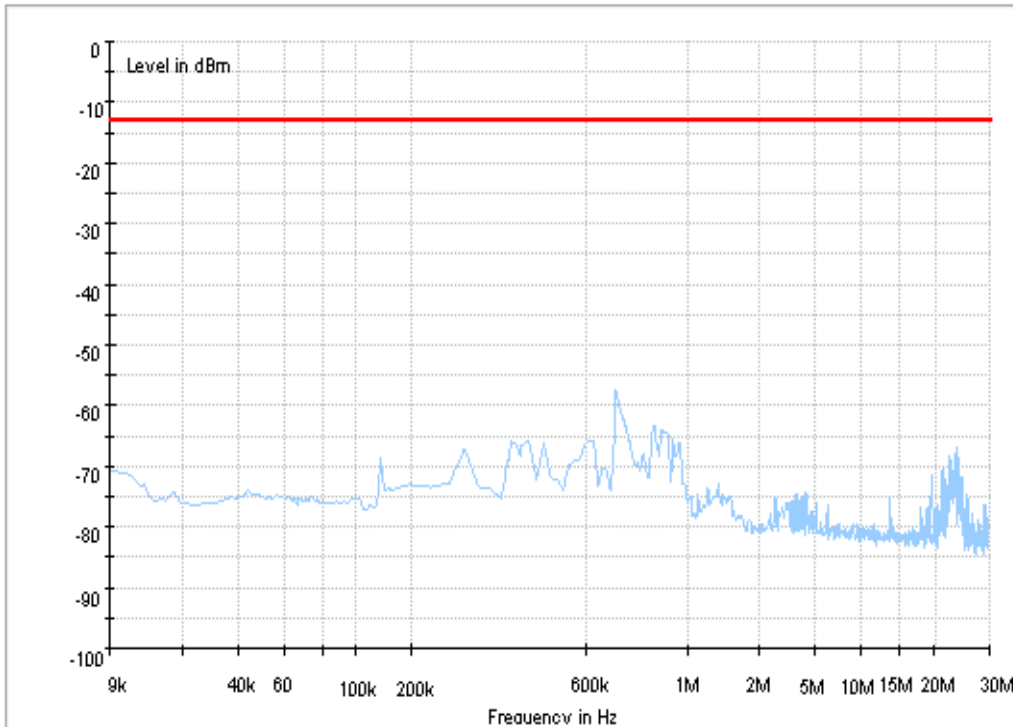


Copy of FCC PART24 GSM1900_H

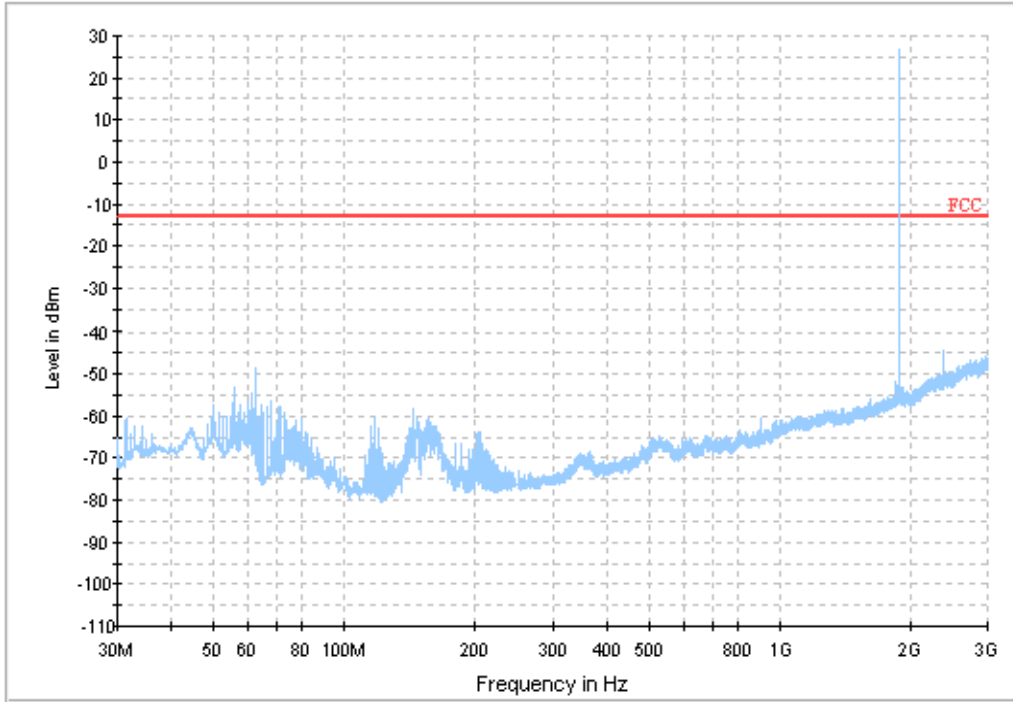




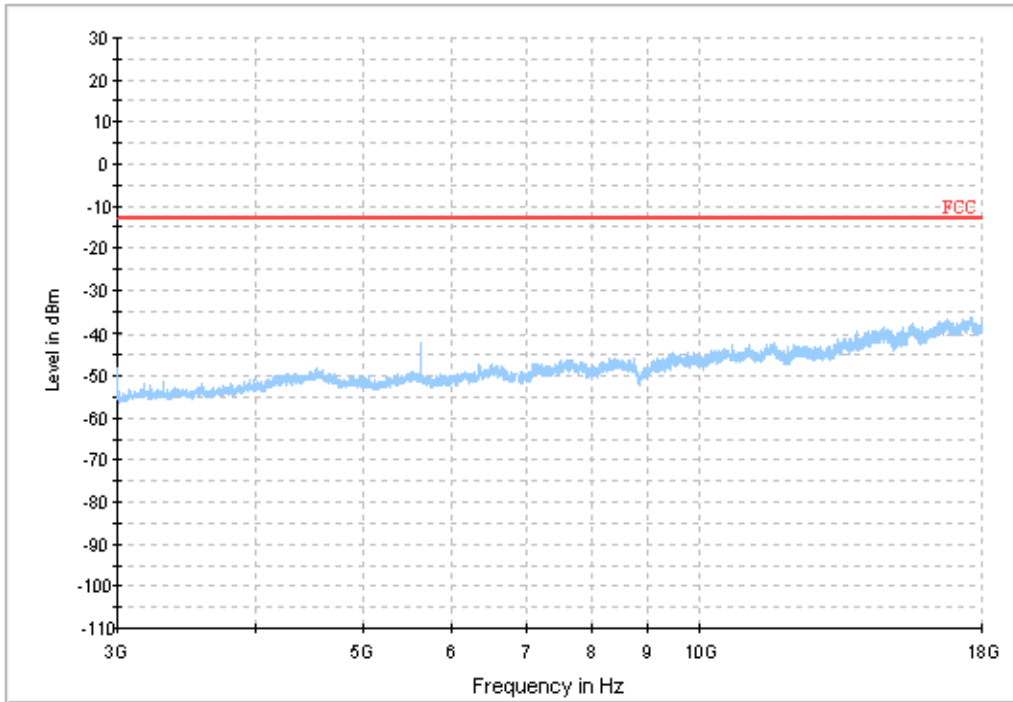
7.1.2.2 Test Mode = GSM/TM2

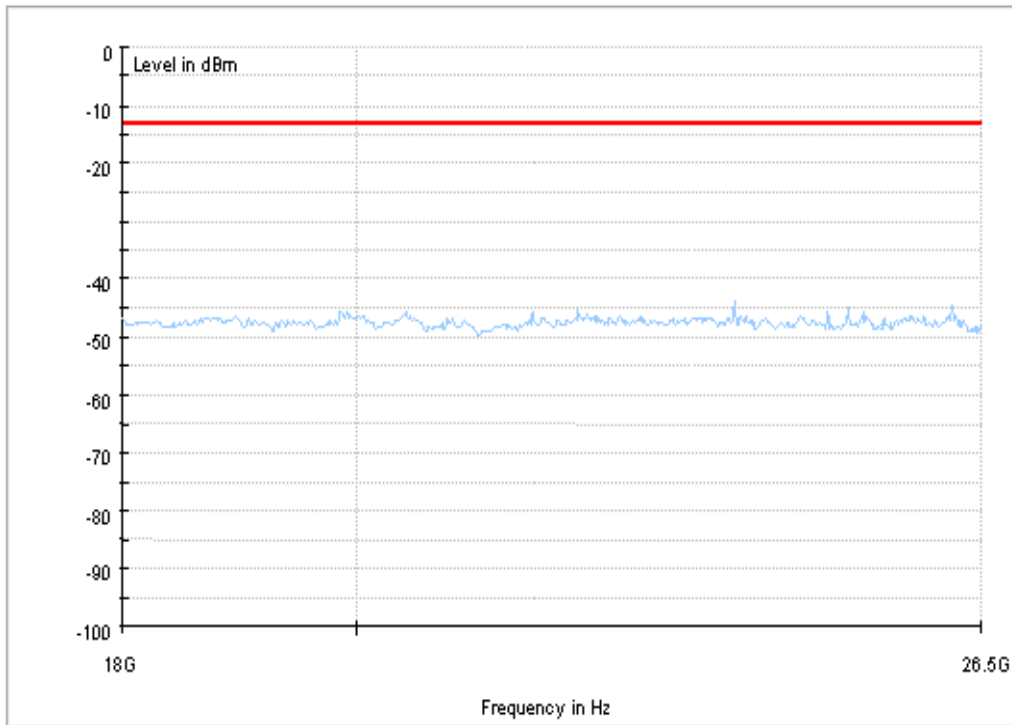


Copy of FCC PART24 GSM1900_L



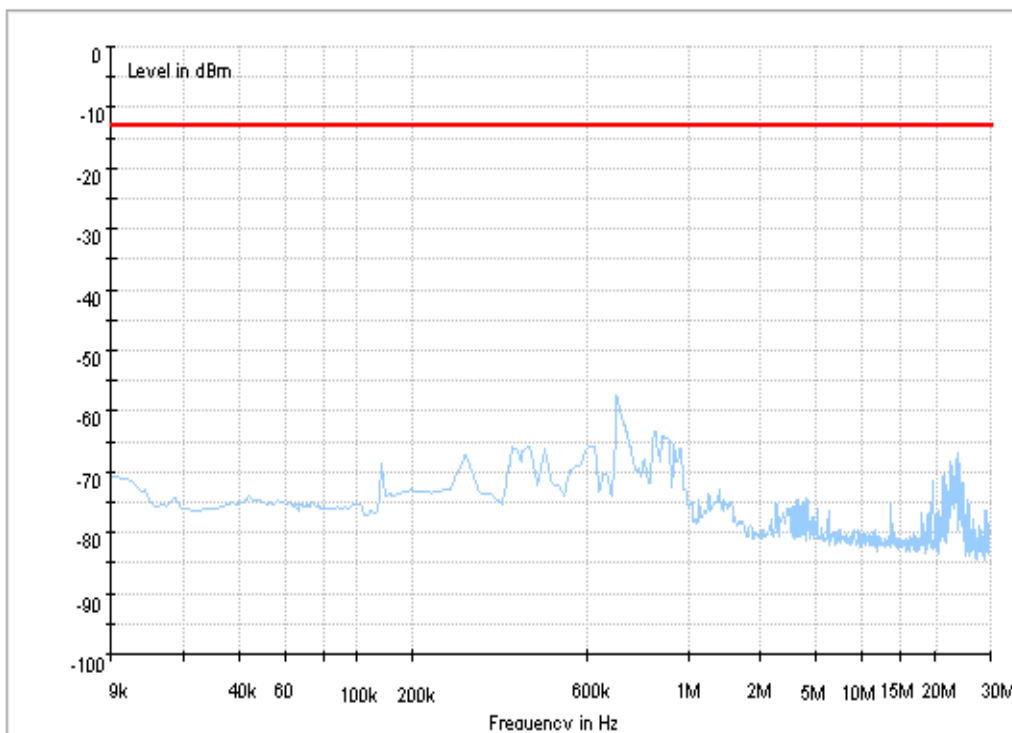
Copy of FCC PART24 GSM1900_H



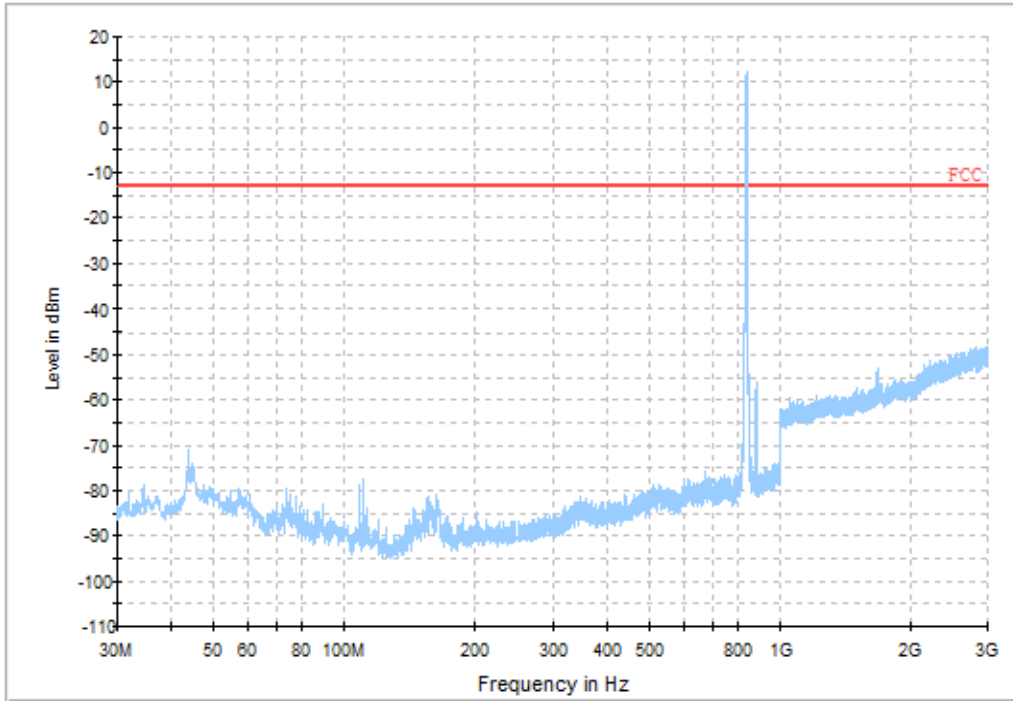


7.2 For UMTS

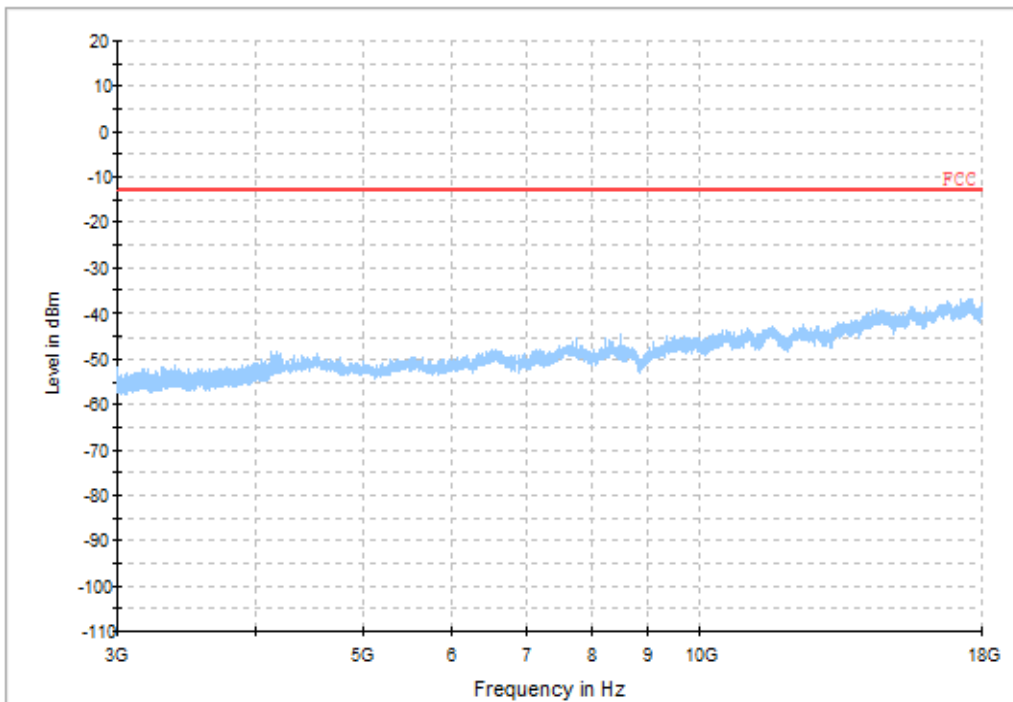
7.2.1 Test Band = WCDMA850



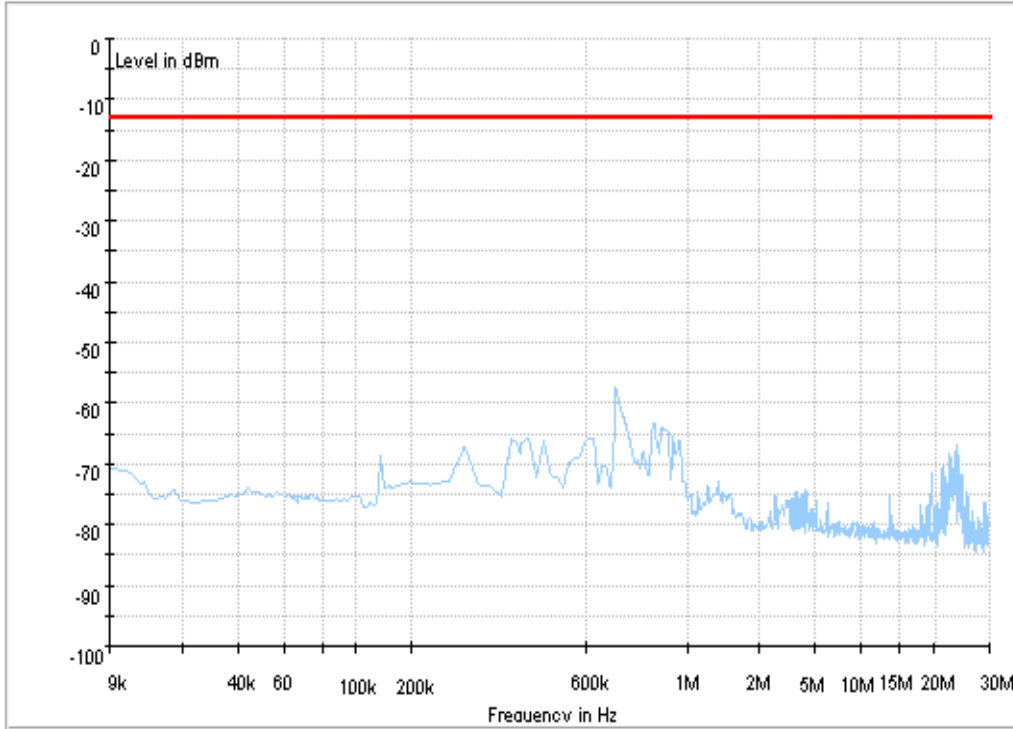
Copy of FCC PART22 WCDMA850_L



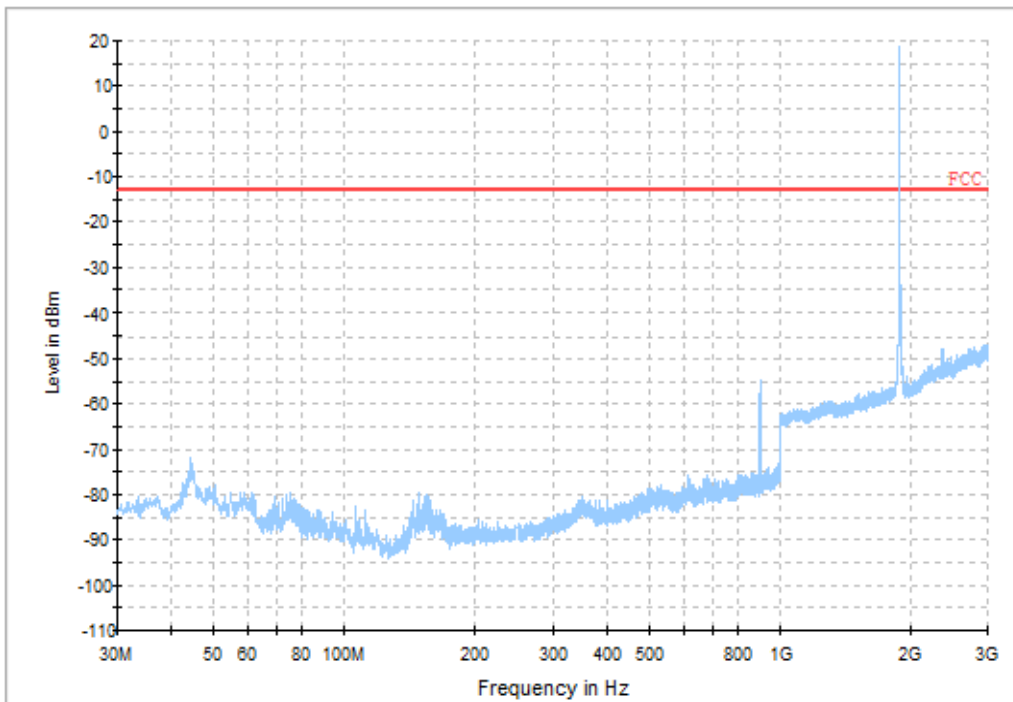
Copy of FCC PART22 WCDMA850_H



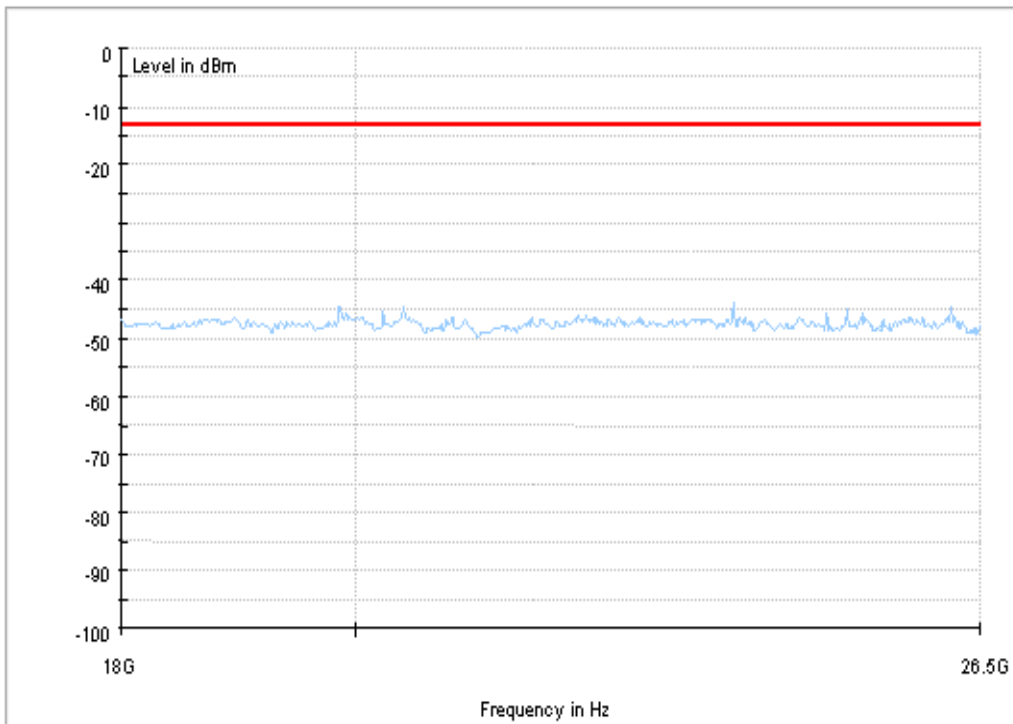
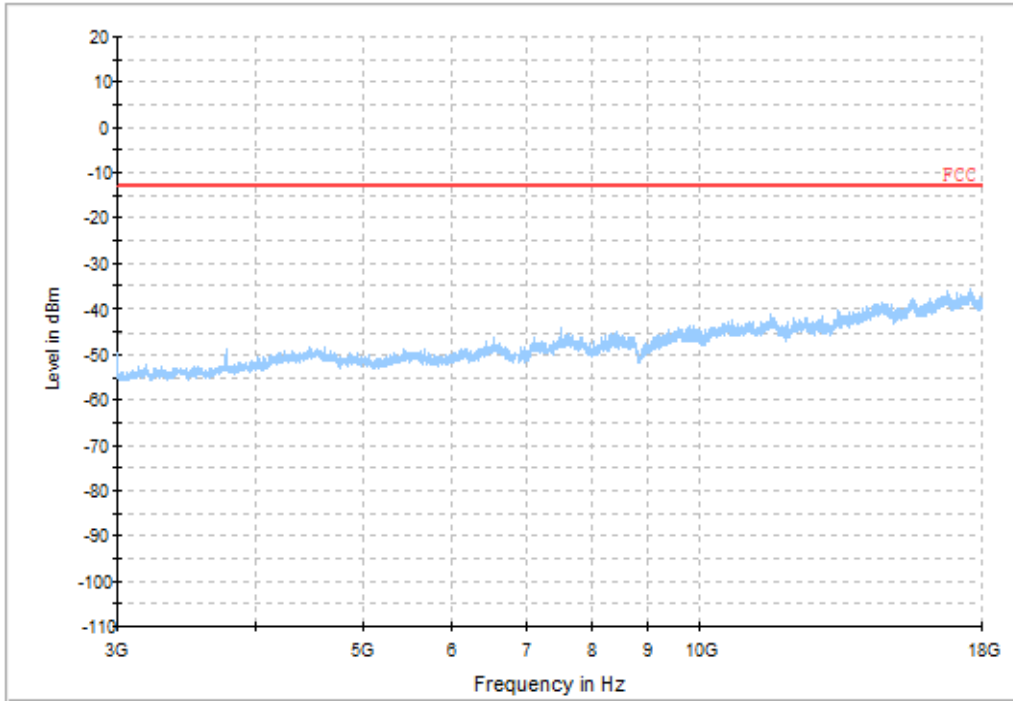
7.2.2 Test Band = WCDMA1900



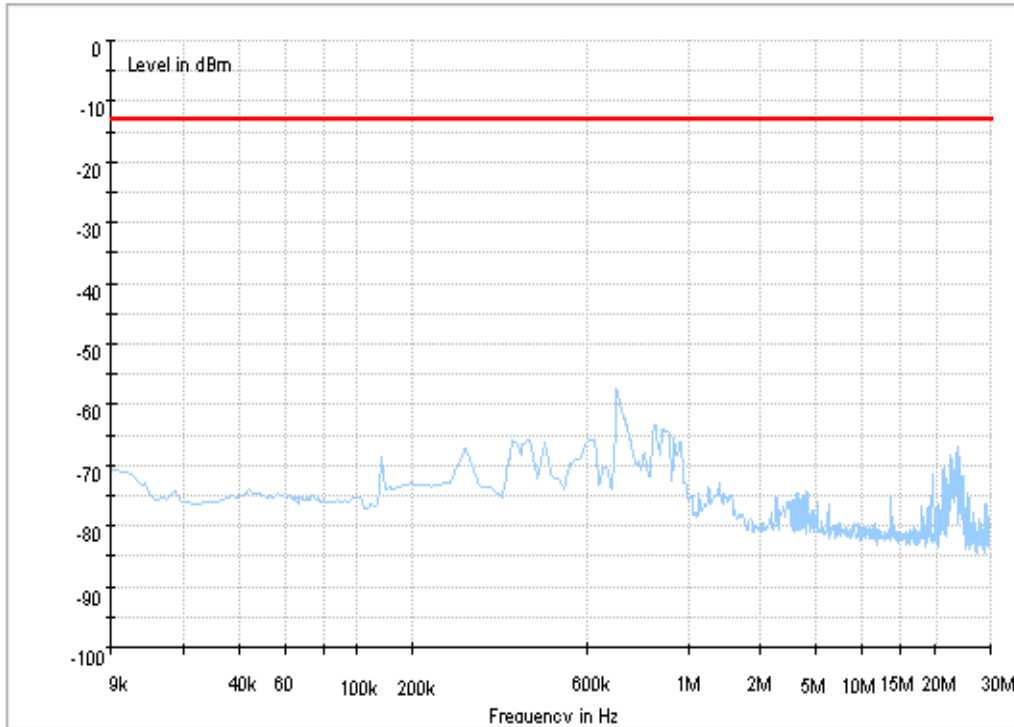
Copy of FCC PART24 WCDMA1900_L



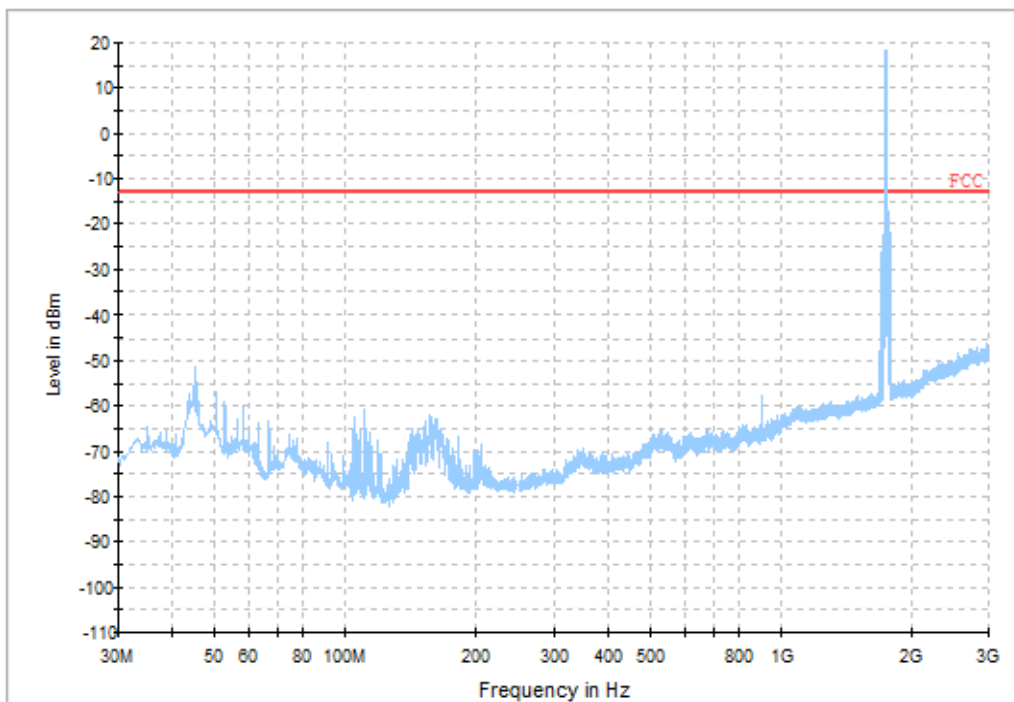
Copy of FCC PART24 WCDMA1900_H



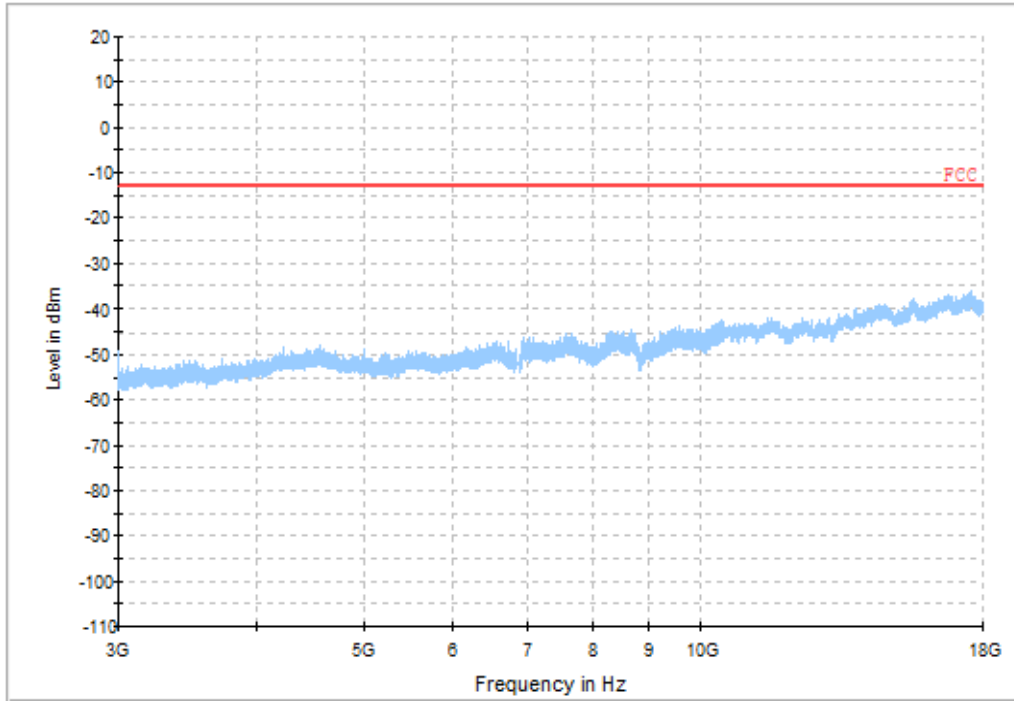
7.2.3 Test Band = WCDMA1700



Copy of FCC PART27 WCDMA1700_L



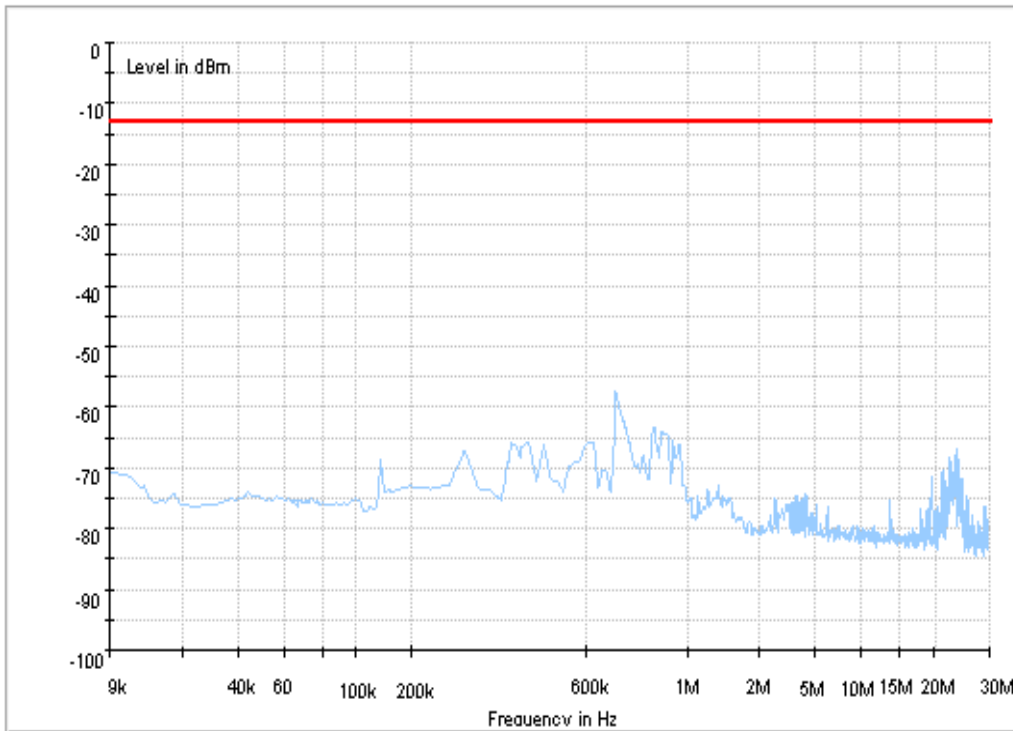
Copy of FCC PART27 WCDMA1700_H



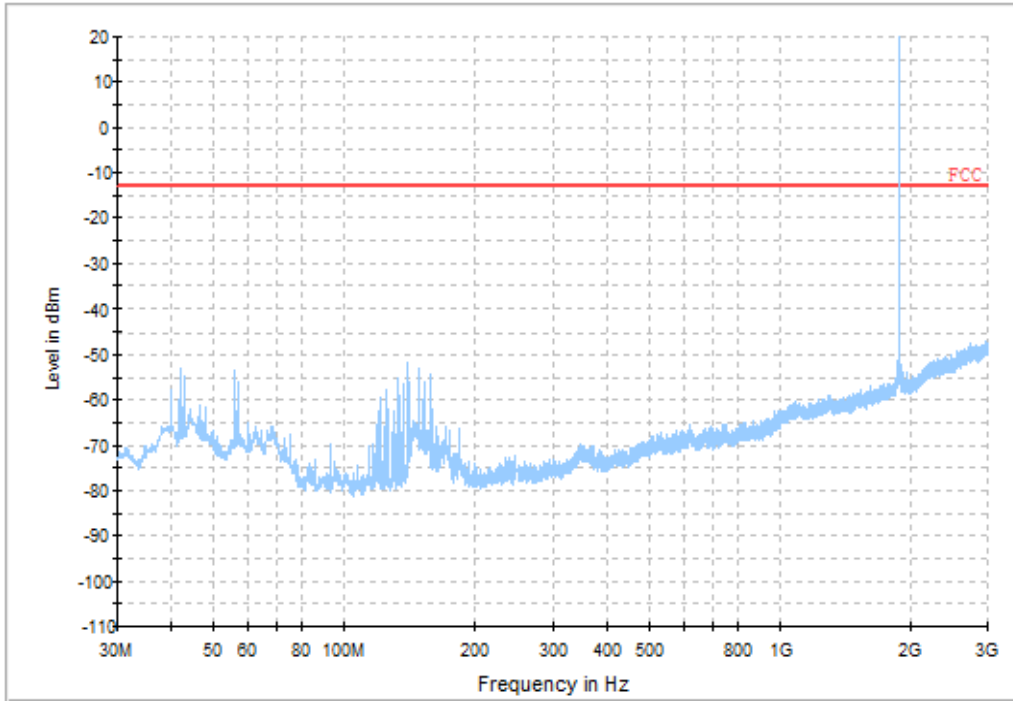
7.3 For LTE

7.3.1 Test Band = BAND2

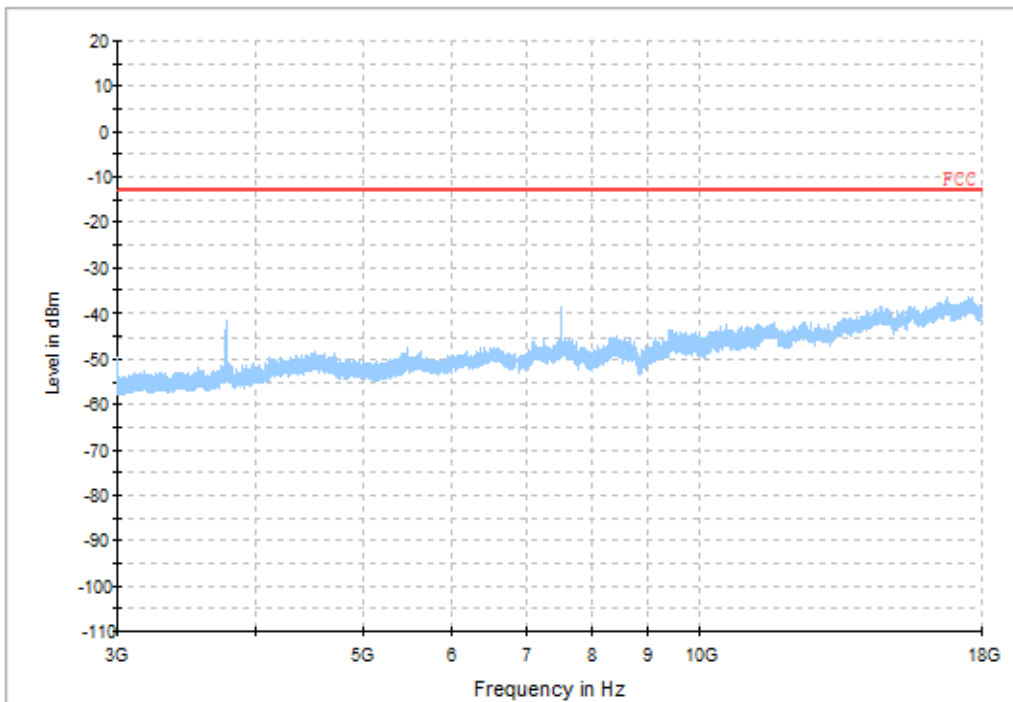
7.3.1.1 Test Bandwidth = 1.4

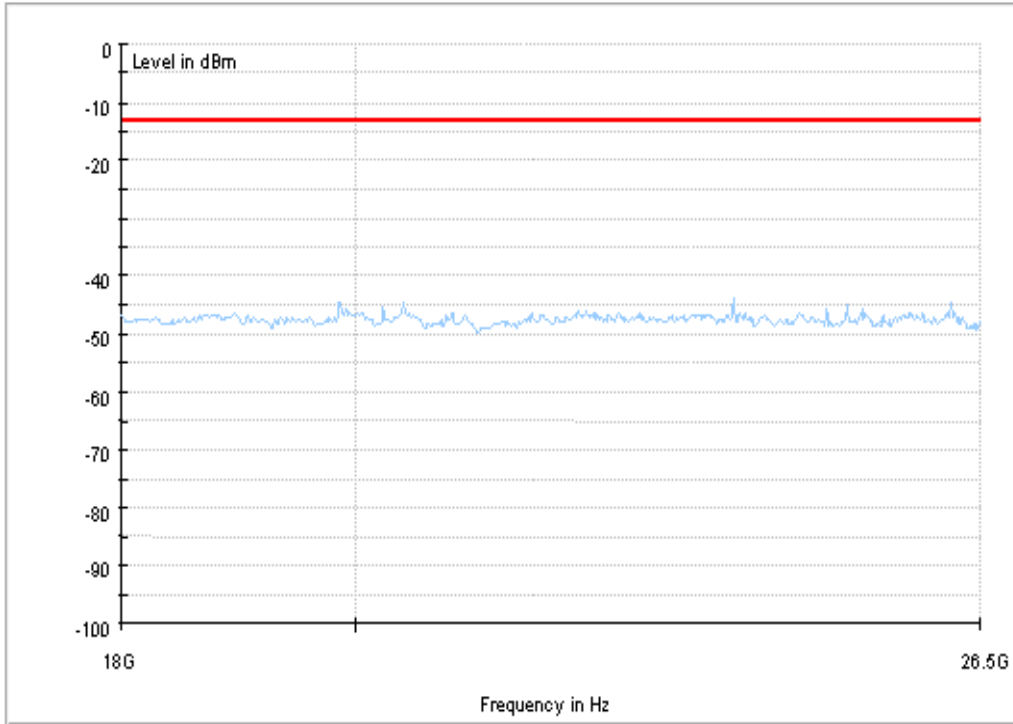


Copy of FCC PART24 LTE Band 2_L

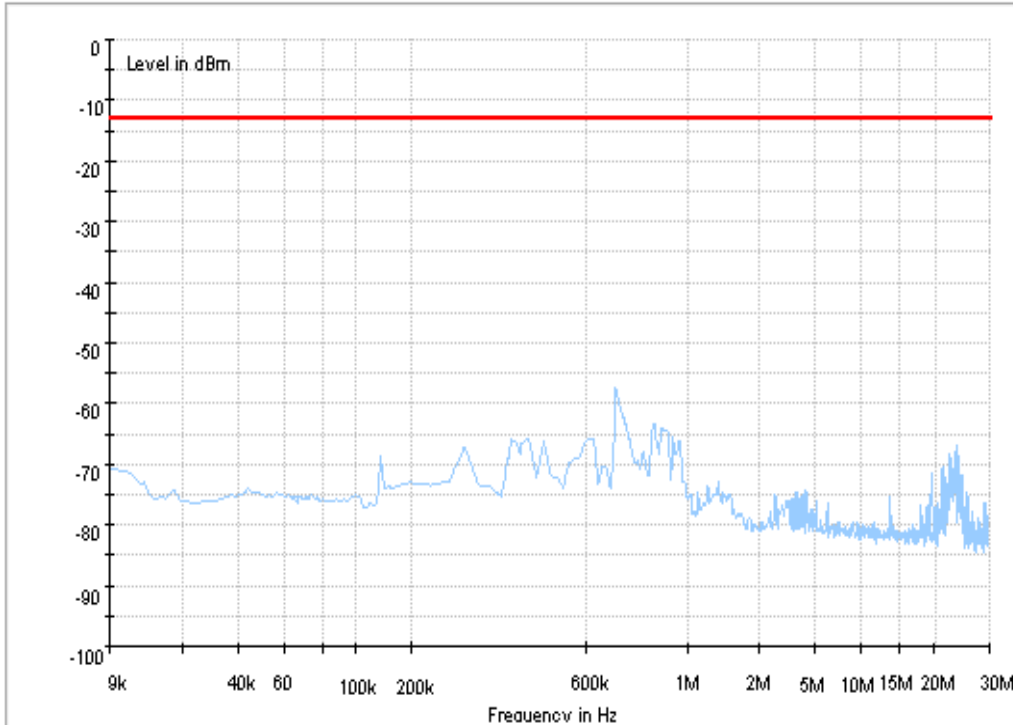


Copy of FCC PART24 LTE Band 2_H

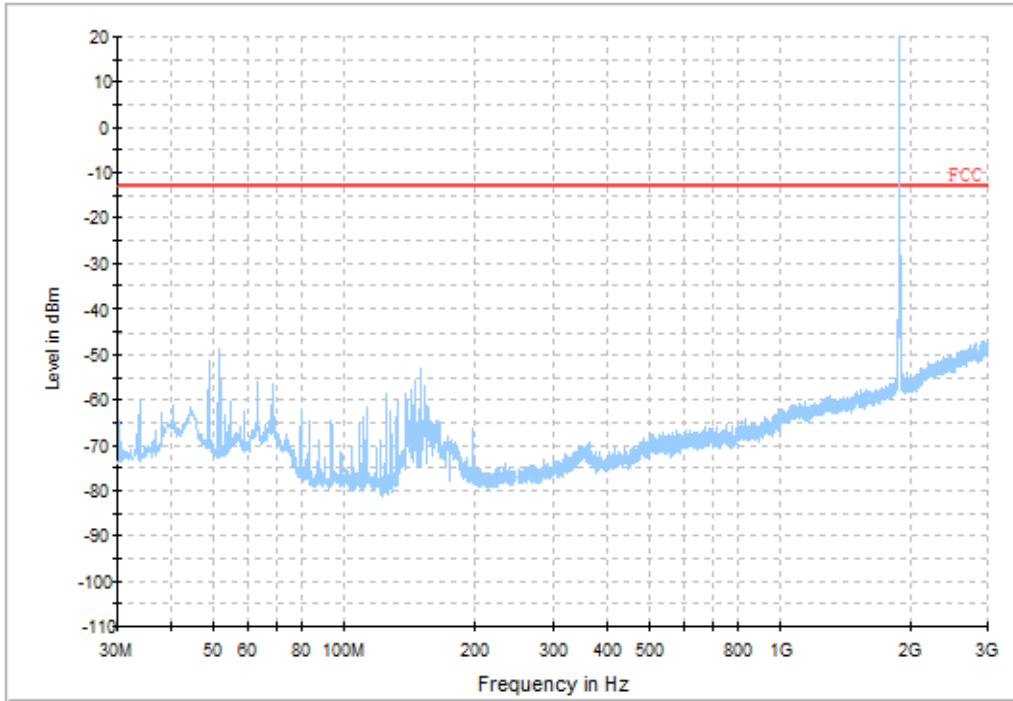




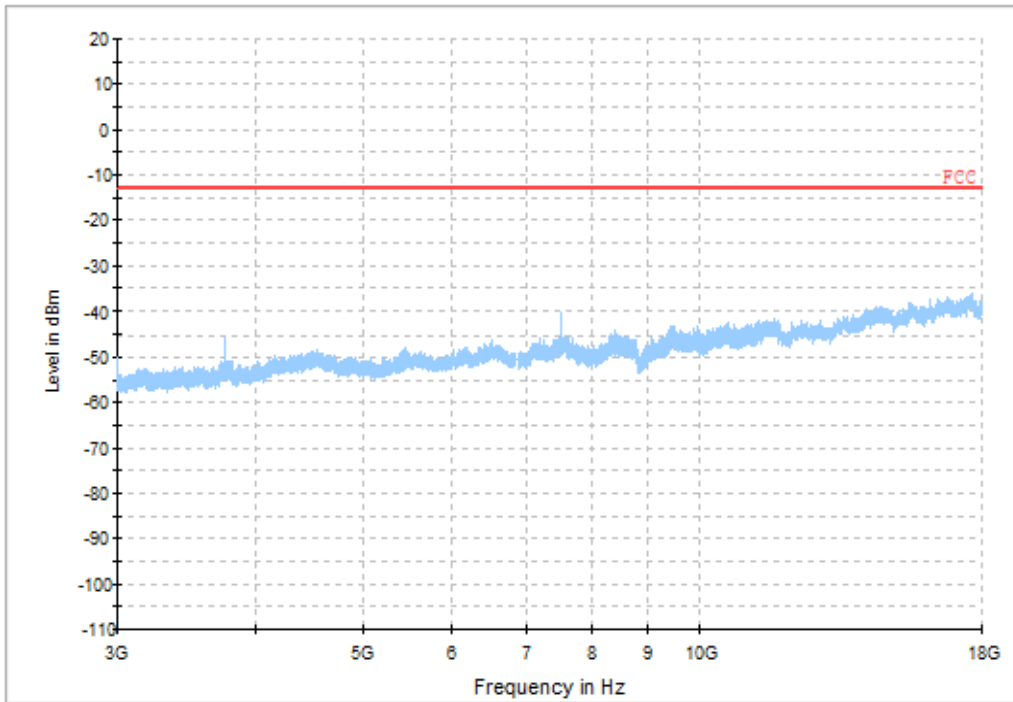
7.3.1.2 Test Bandwidth = 5

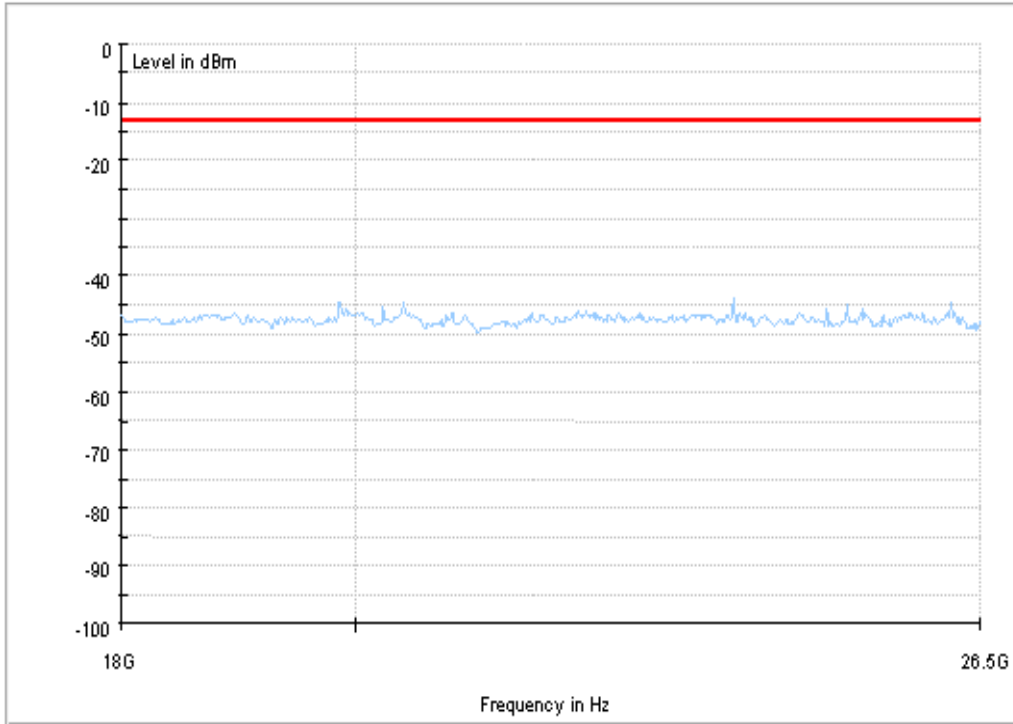


Copy of FCC PART24 LTE Band 2_L

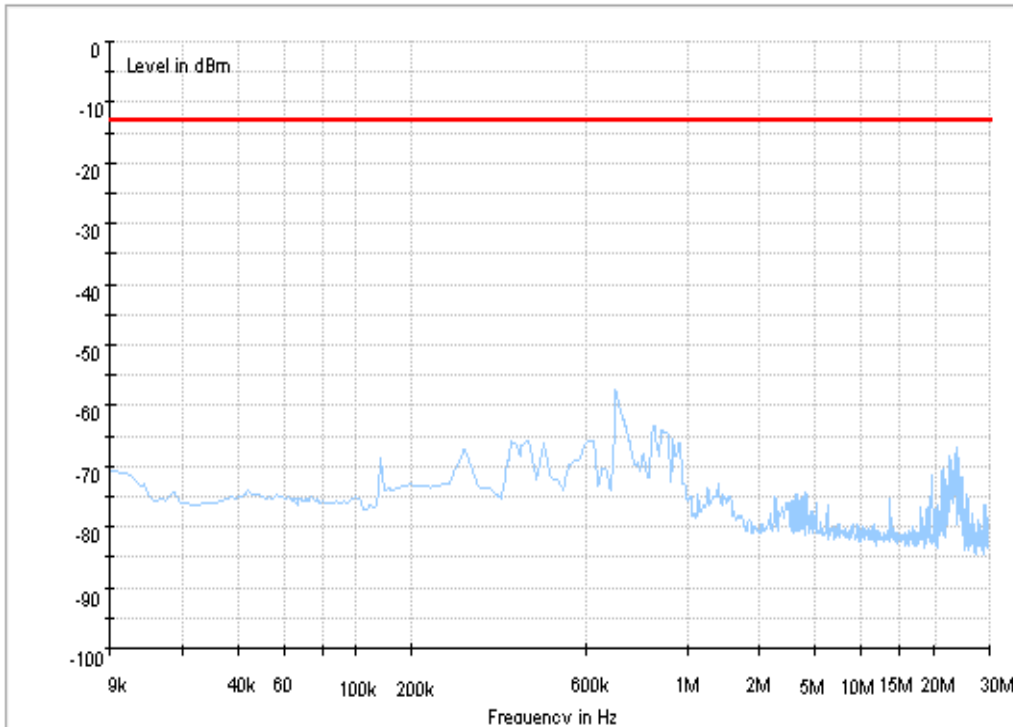


Copy of FCC PART24 LTE Band 2_H

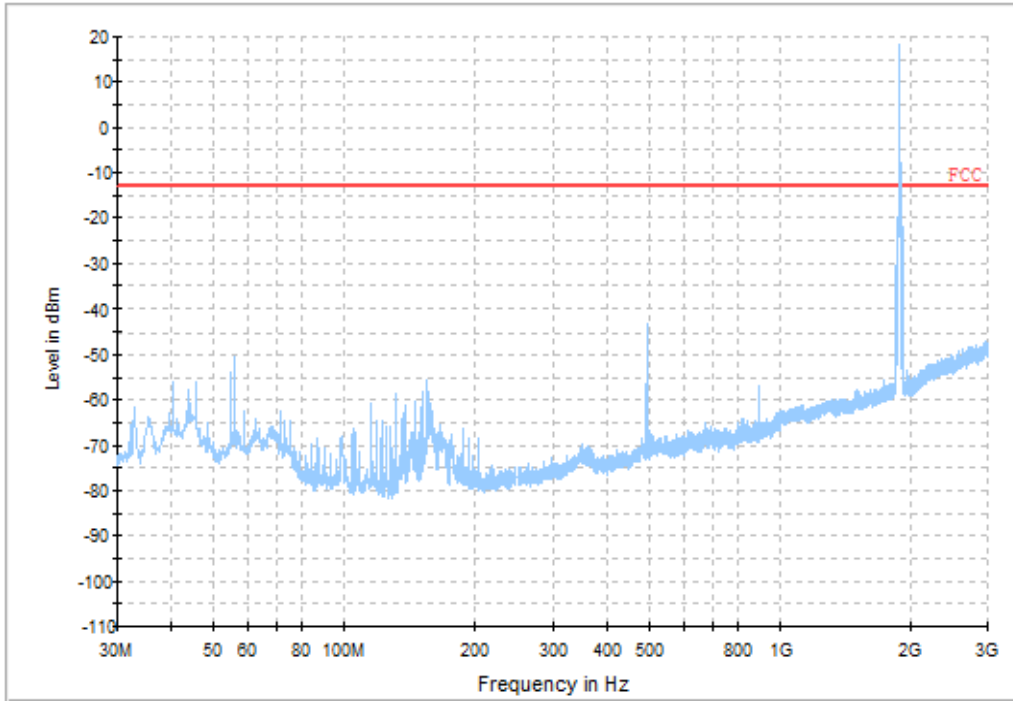




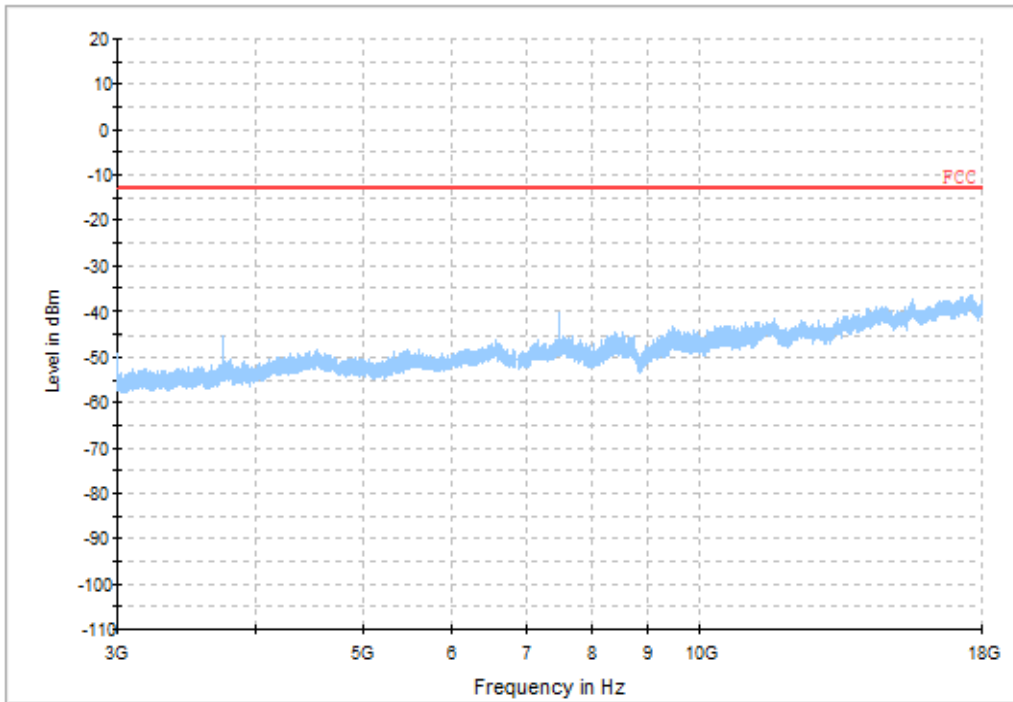
7.3.1.3 Test Bandwidth = 20

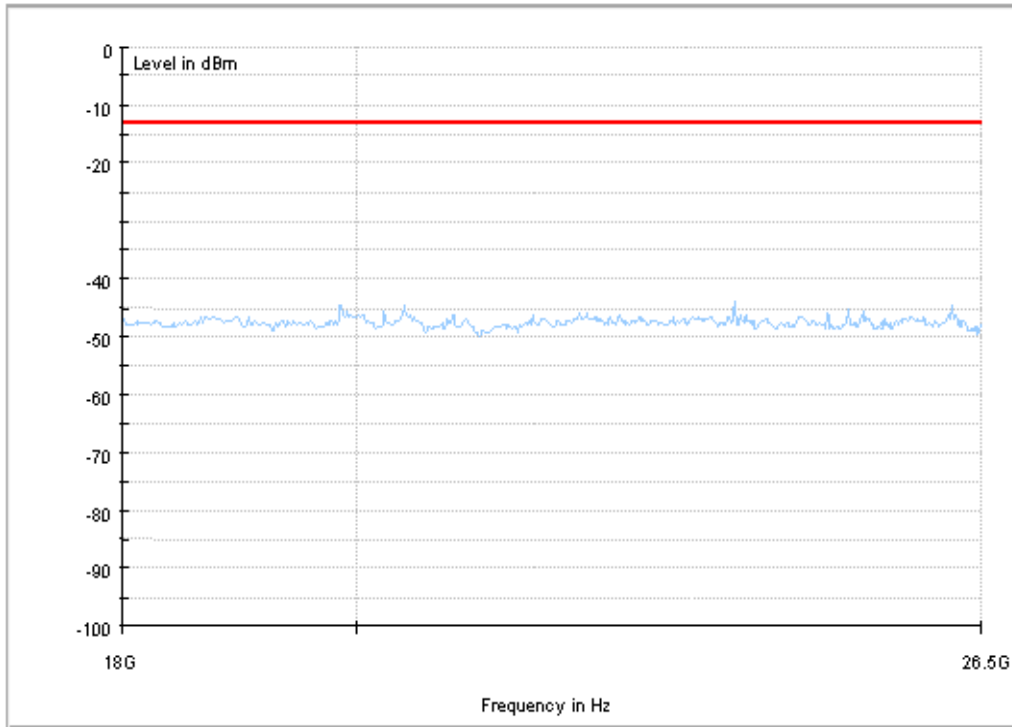


Copy of FCC PART24 LTE Band 2_L



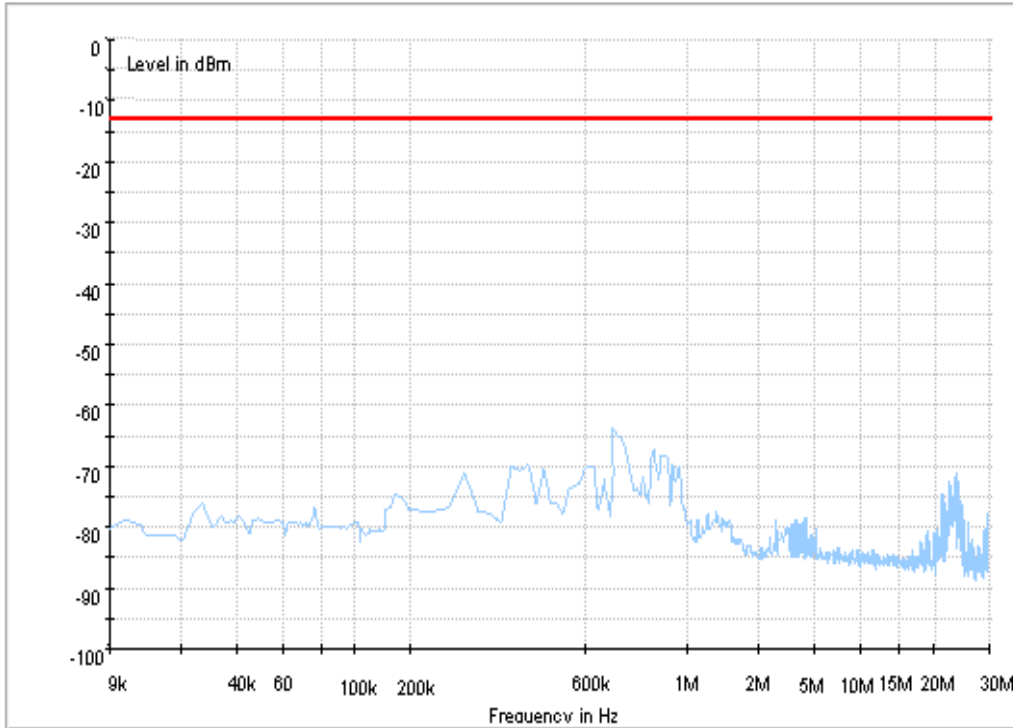
Copy of FCC PART24 LTE Band 2_H



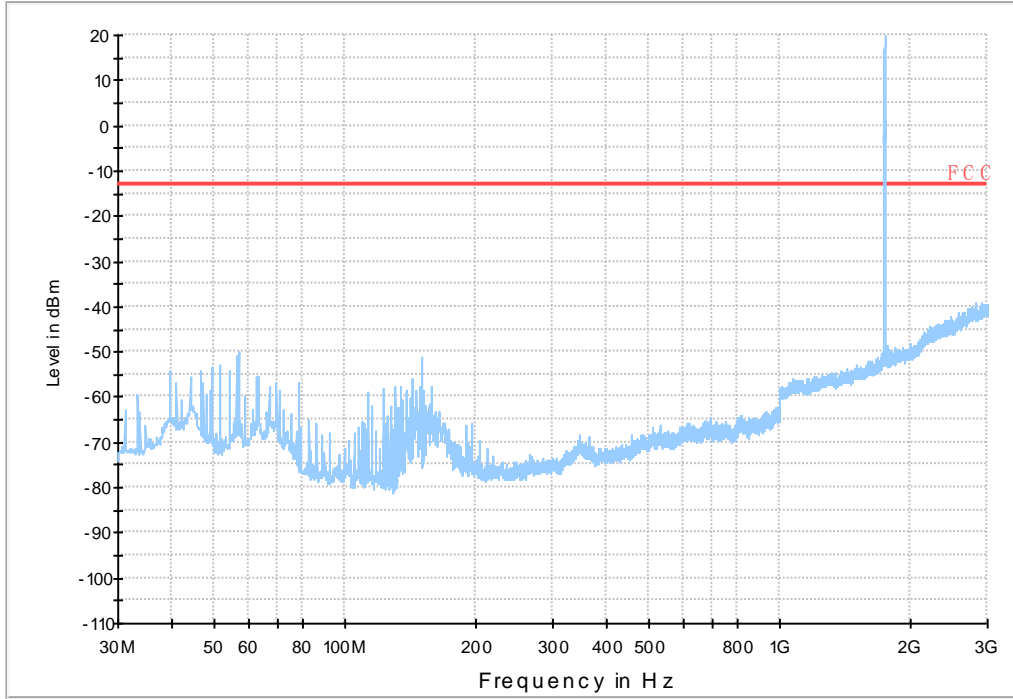


7.3.2 Test Band = BAND4

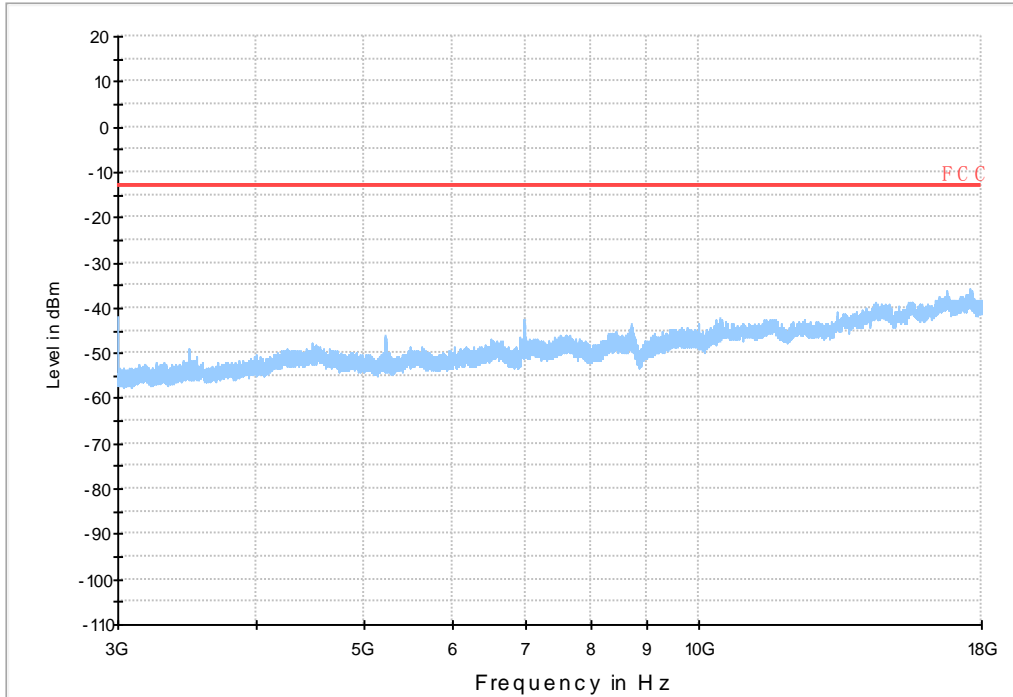
7.3.2.1 Test Bandwidth = 1.4



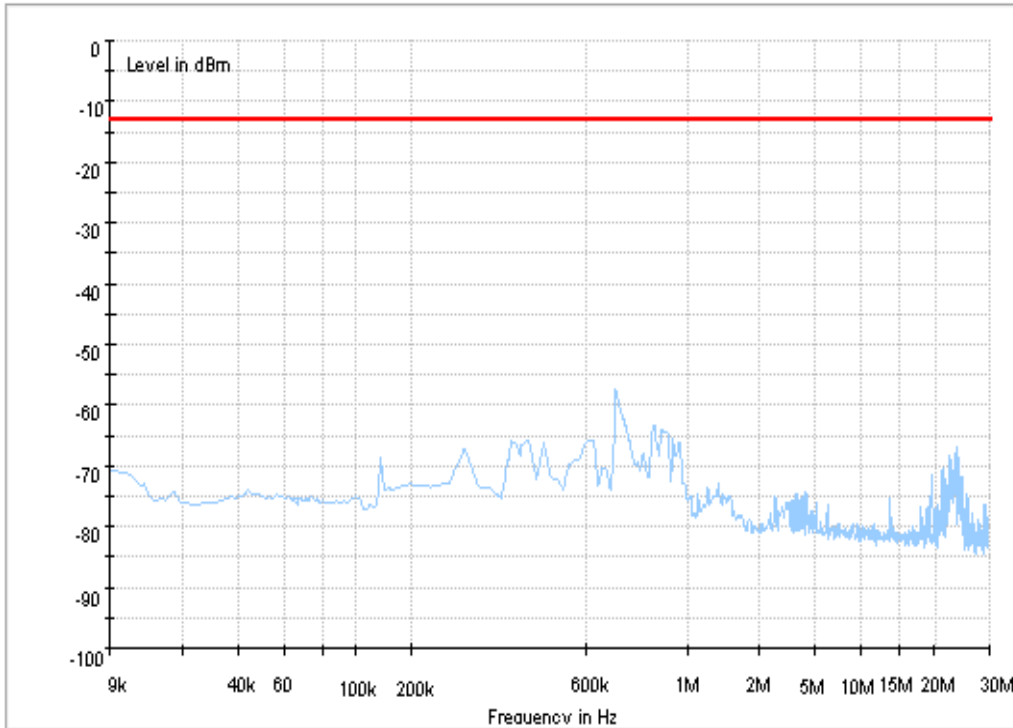
Copy of FCC PART27 LTE Band 4_L



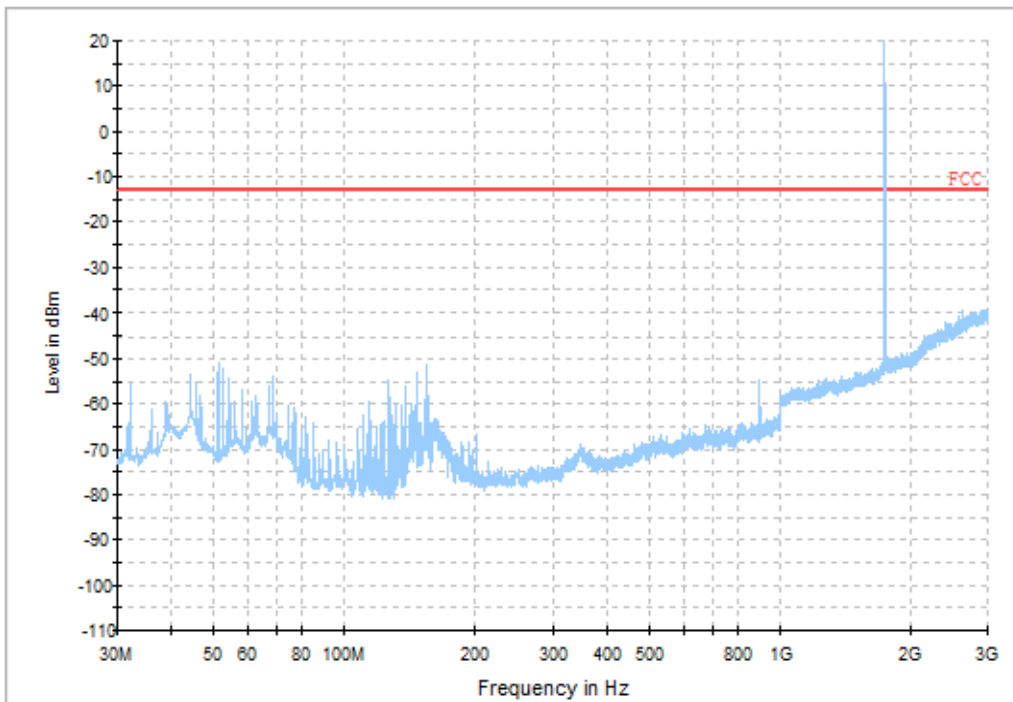
Copy of FCC PART27 LTE Band 4_H



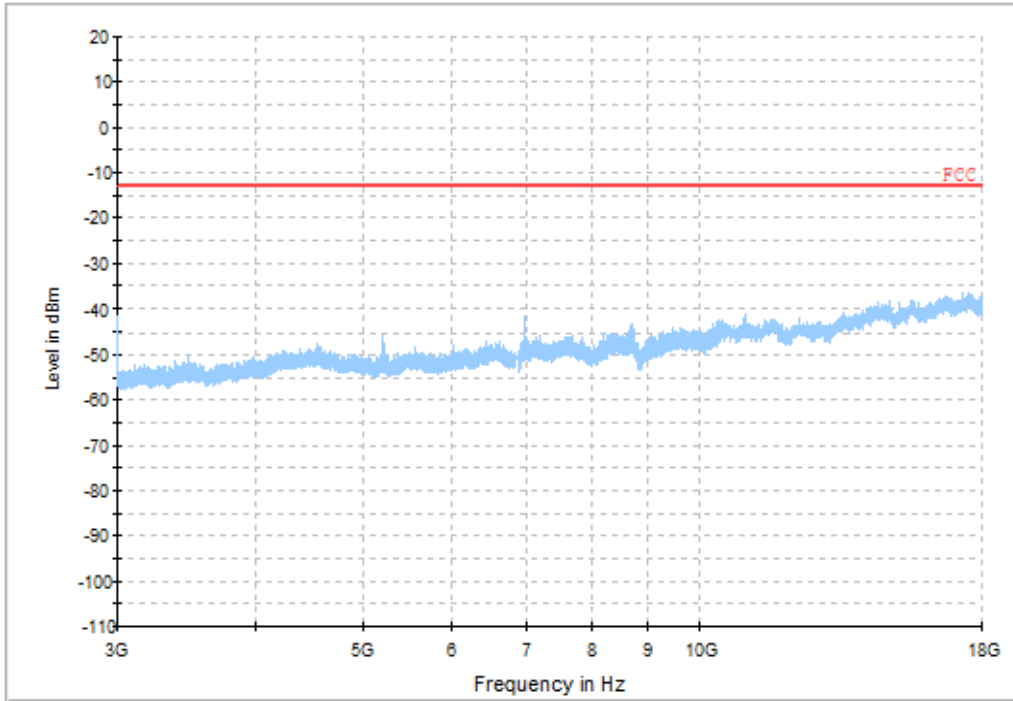
7.3.2.2 Test Bandwidth = 5



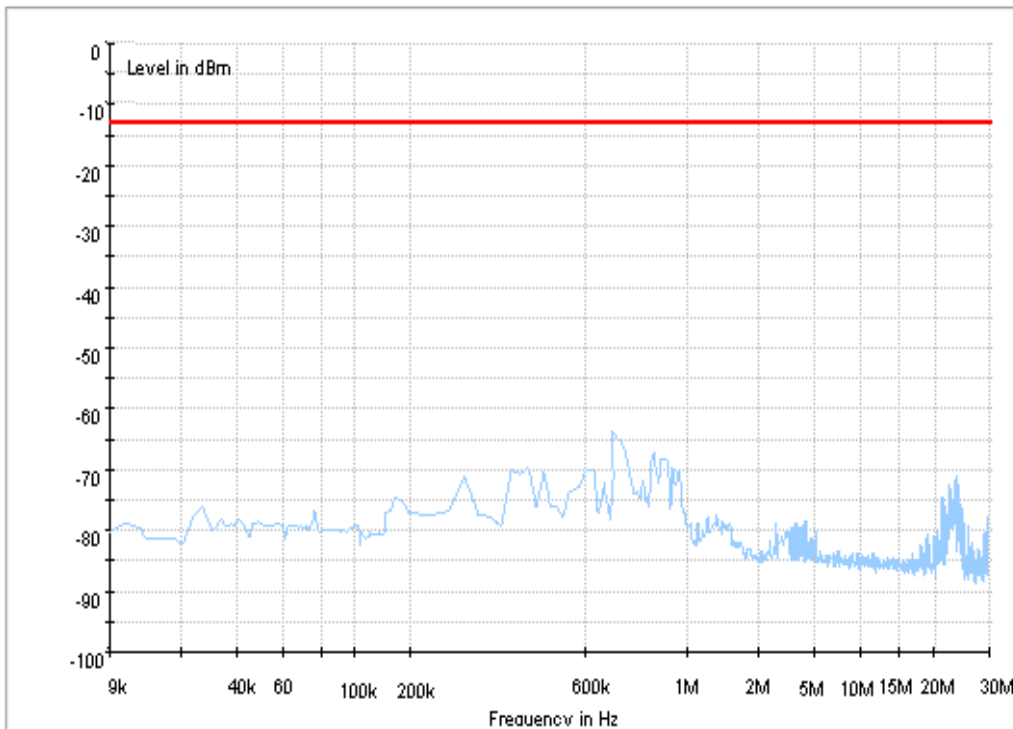
Copy of FCC PART27 LTE Band 4_L



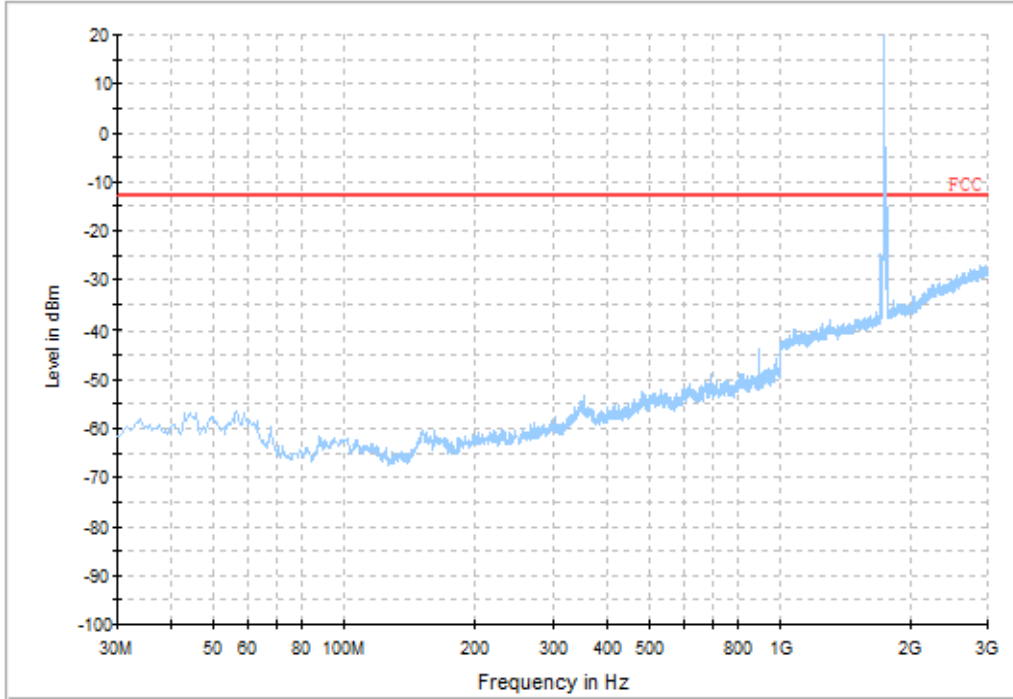
Copy of FCC PART27 LTE Band 4_H



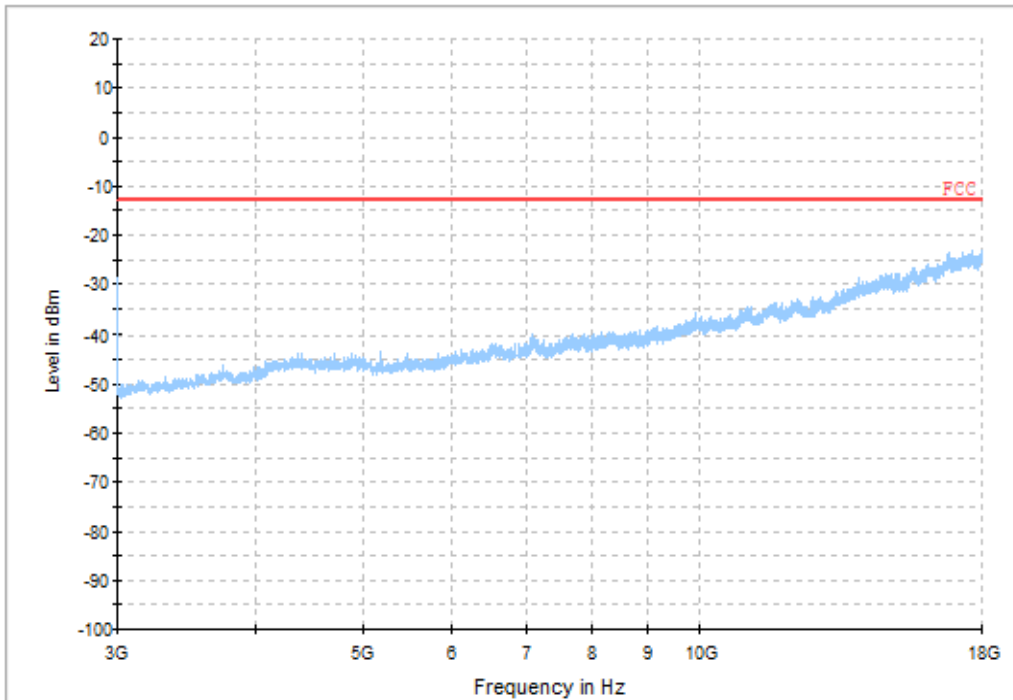
7.3.2.3 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

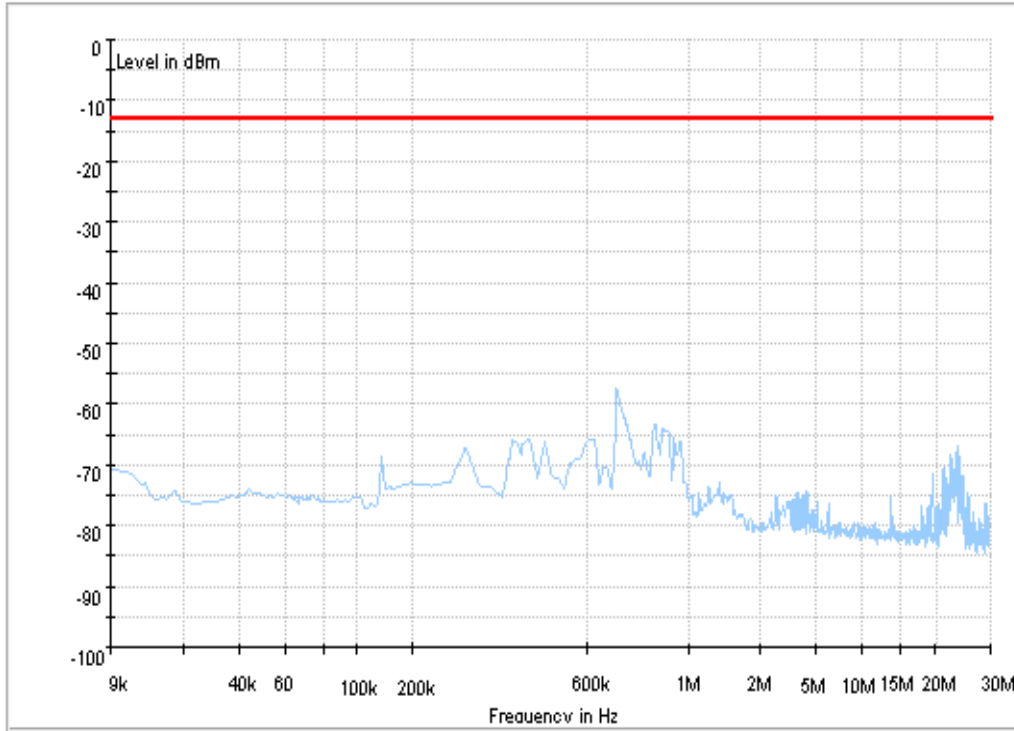


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

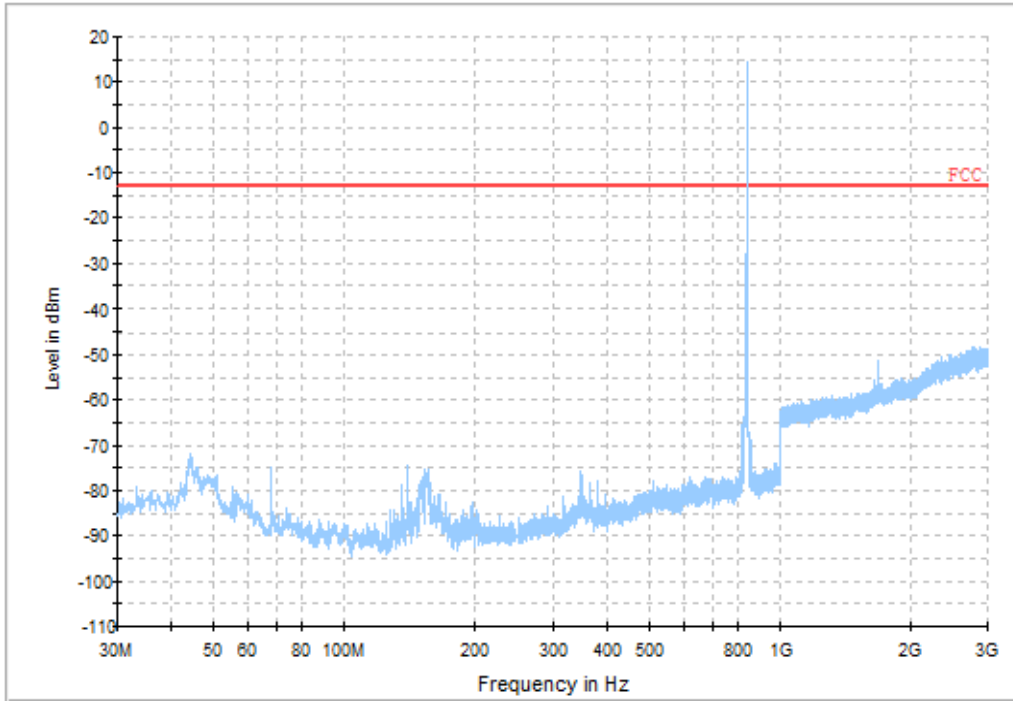


7.3.3 Test Band = BAND5

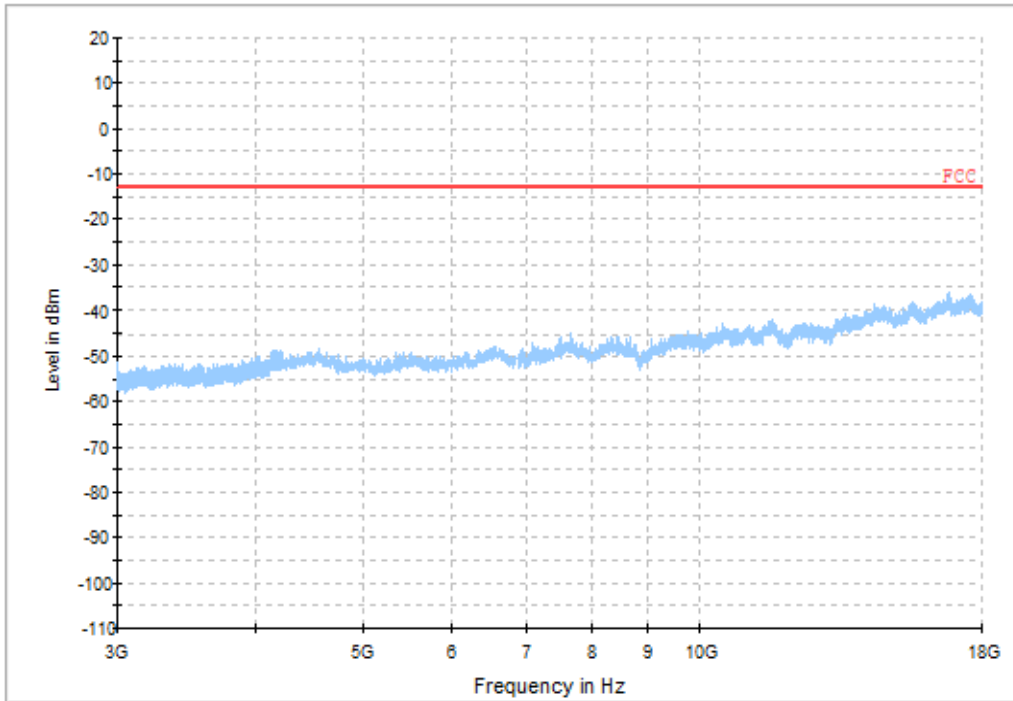
7.3.3.1 Test Bandwidth = 1.4



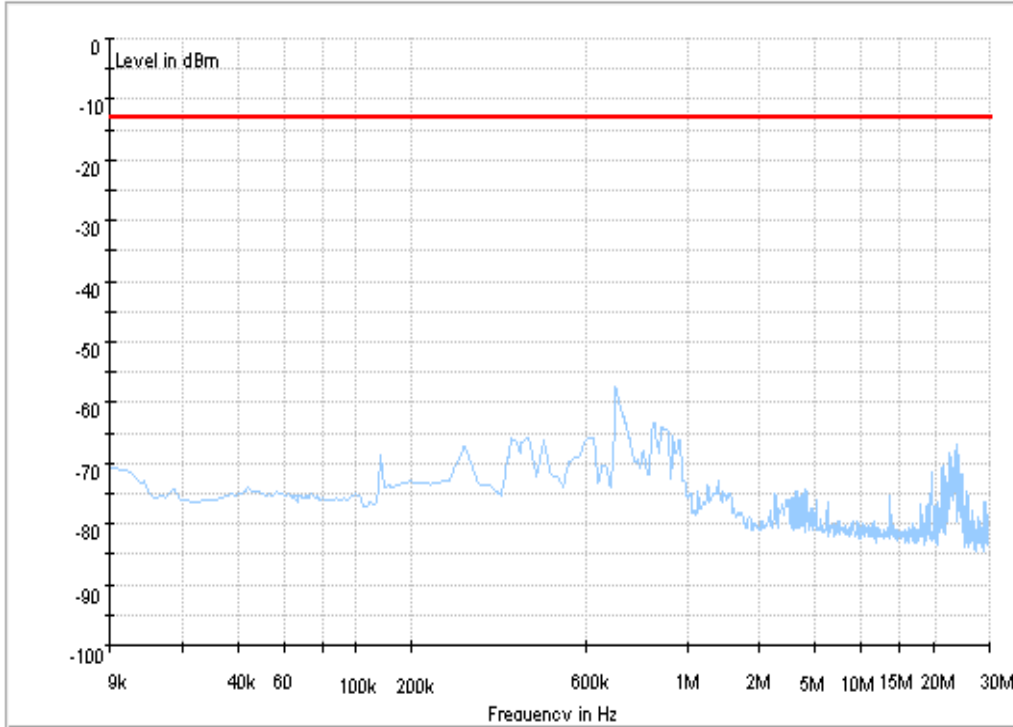
Copy of FCC PART22 LTE Band 5_L



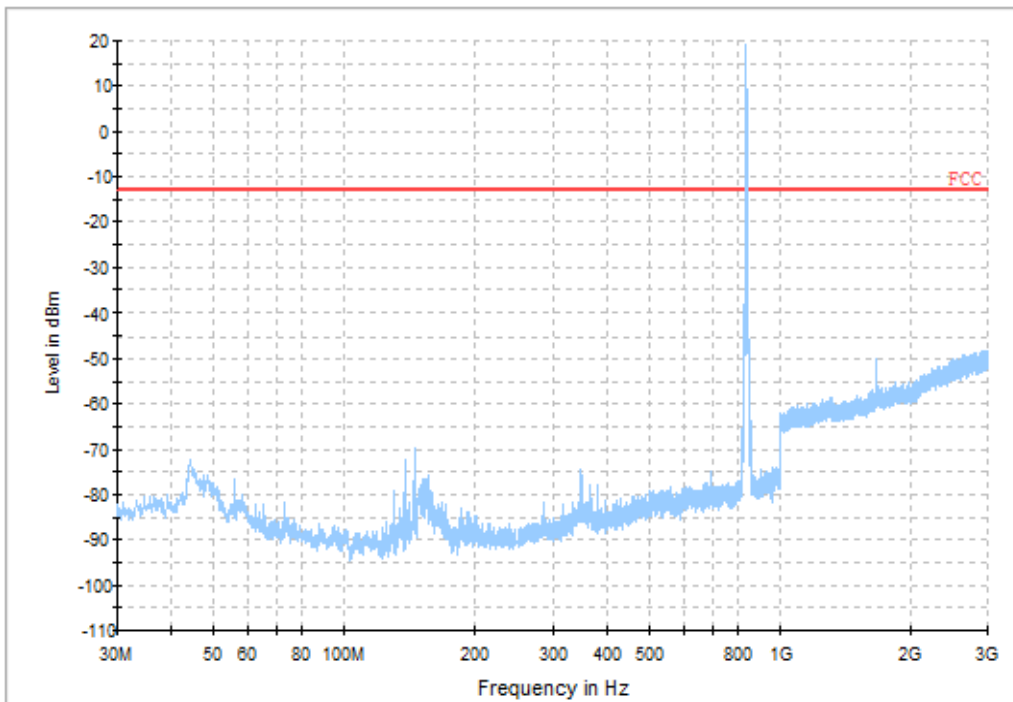
Copy of FCC PART22 LTE Band 5_H



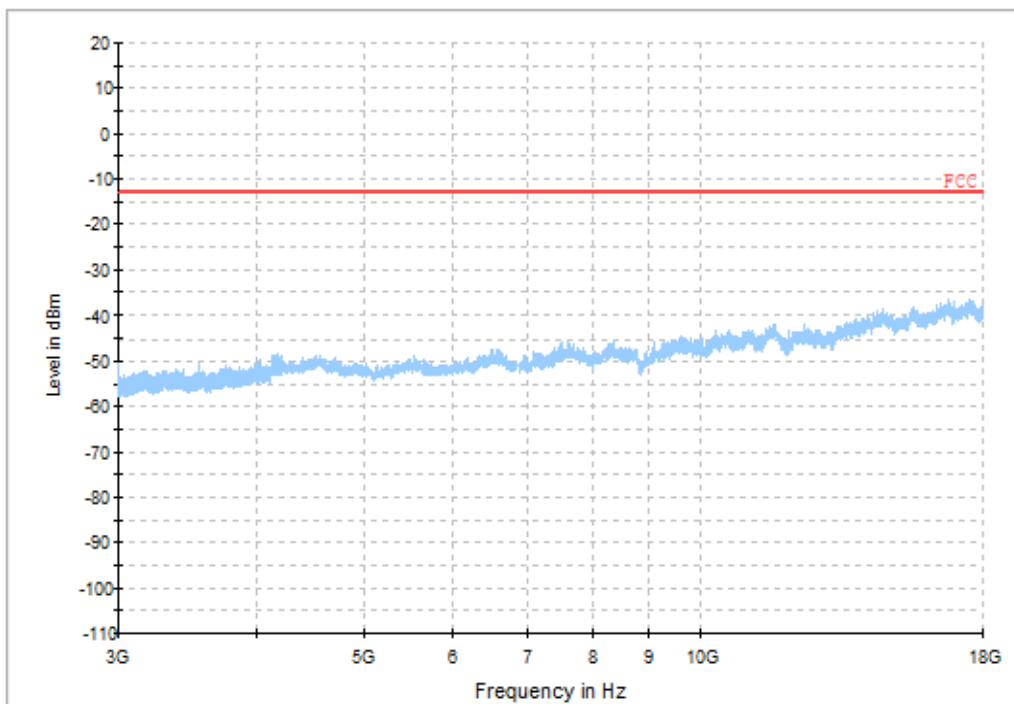
7.3.3.2 Test Bandwidth = 5



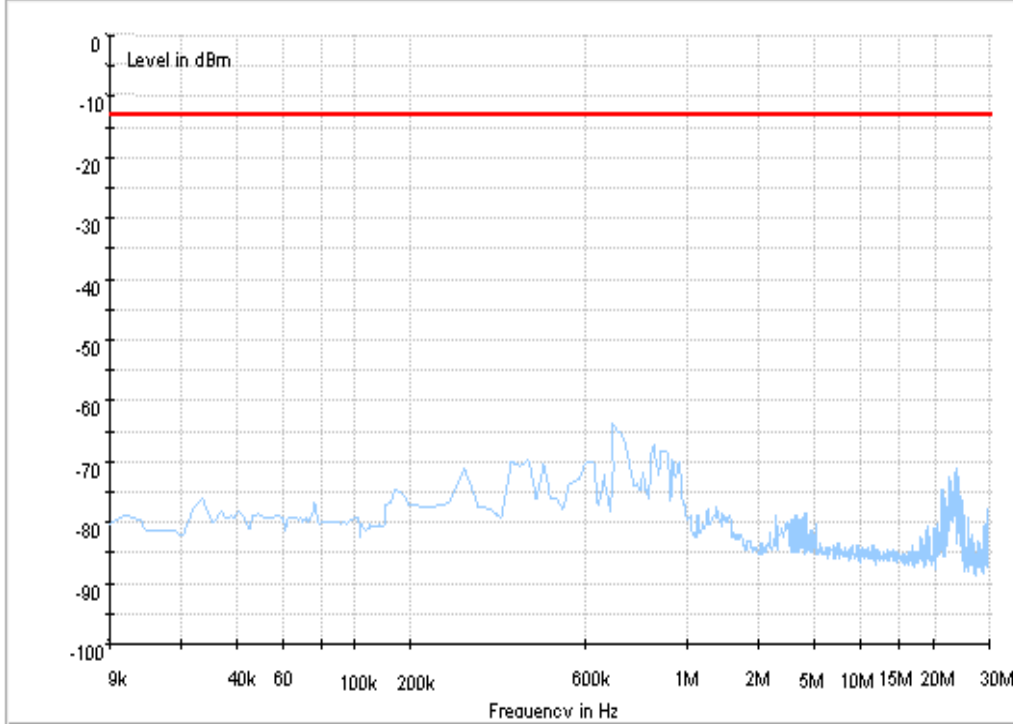
Copy of FCC PART22 LTE Band 5_L



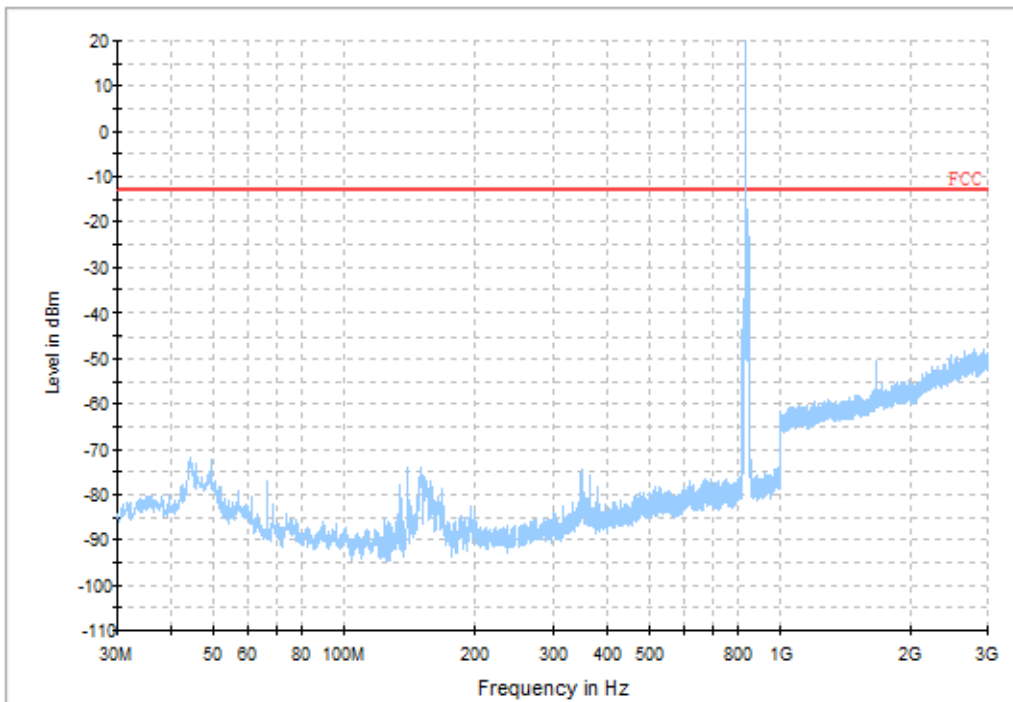
Copy of FCC PART22 LTE Band 5_H



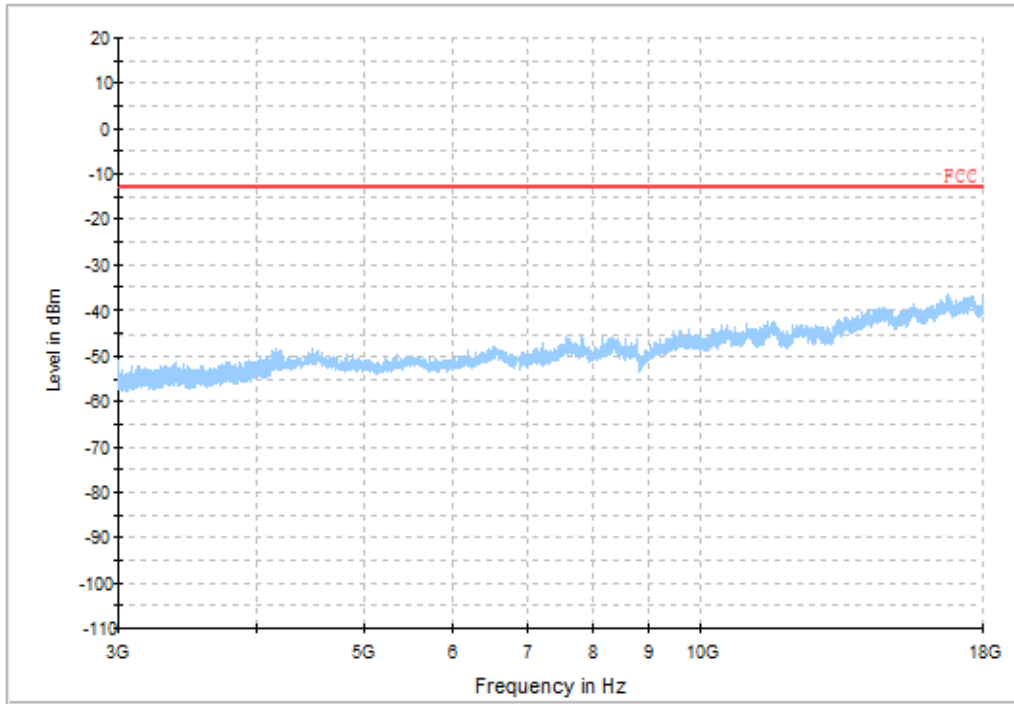
7.3.3.3 Test Bandwidth = 10



Copy of FCC PART22 LTE Band 5_L

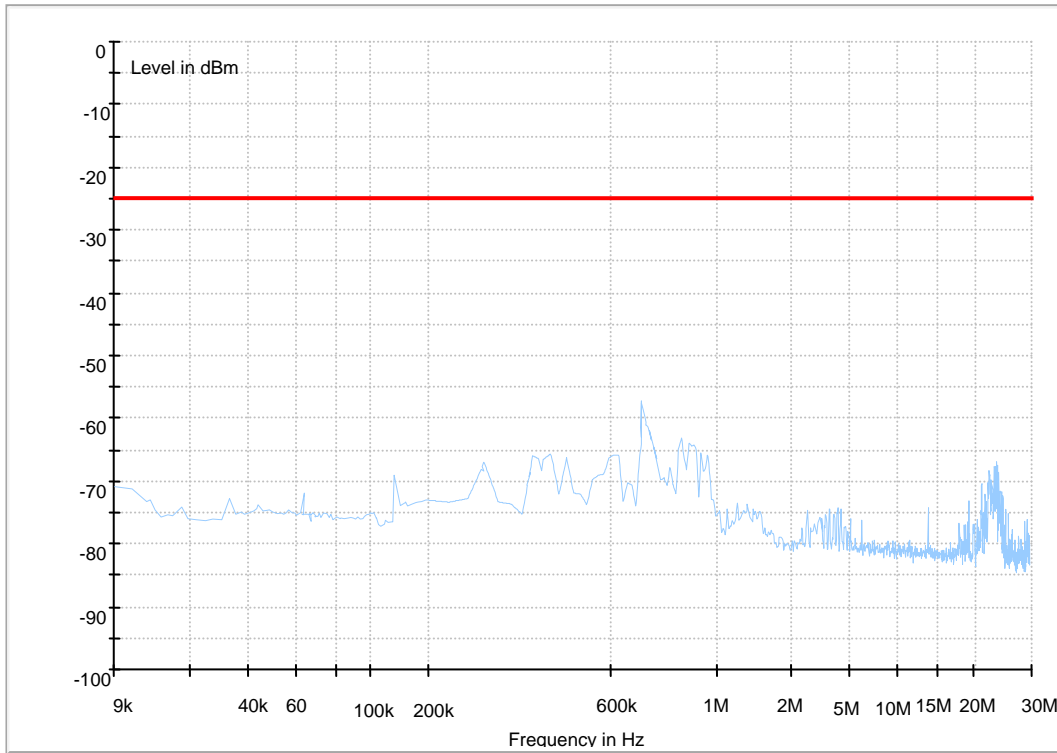


Copy of FCC PART22 LTE Band 5_H

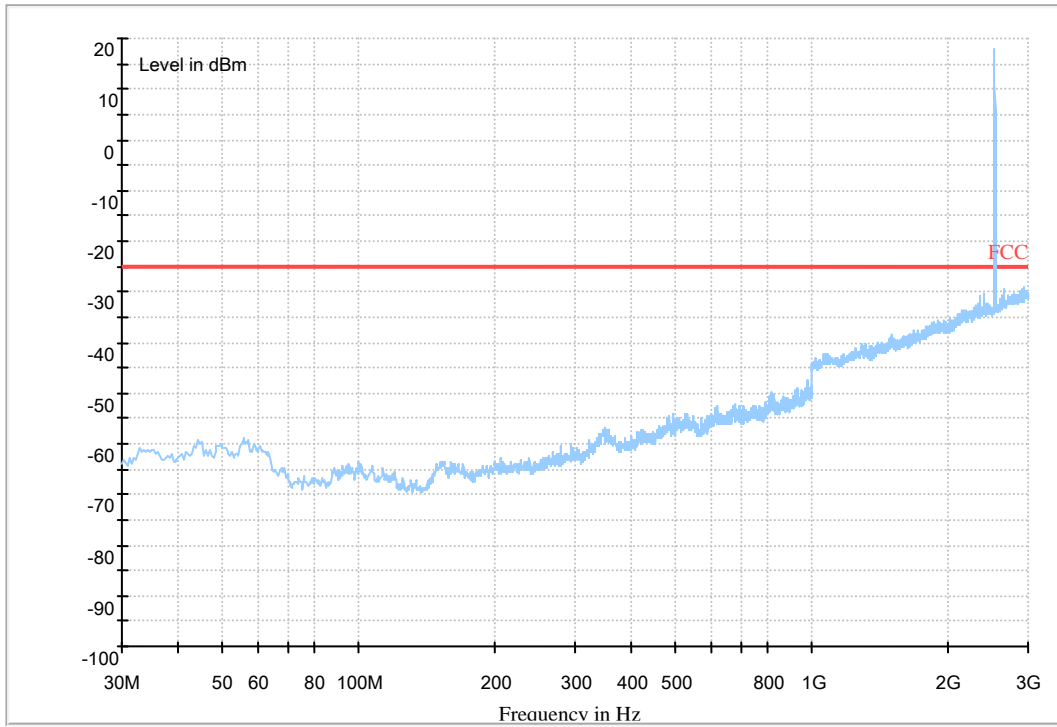


7.3.4 Test Band = BAND7

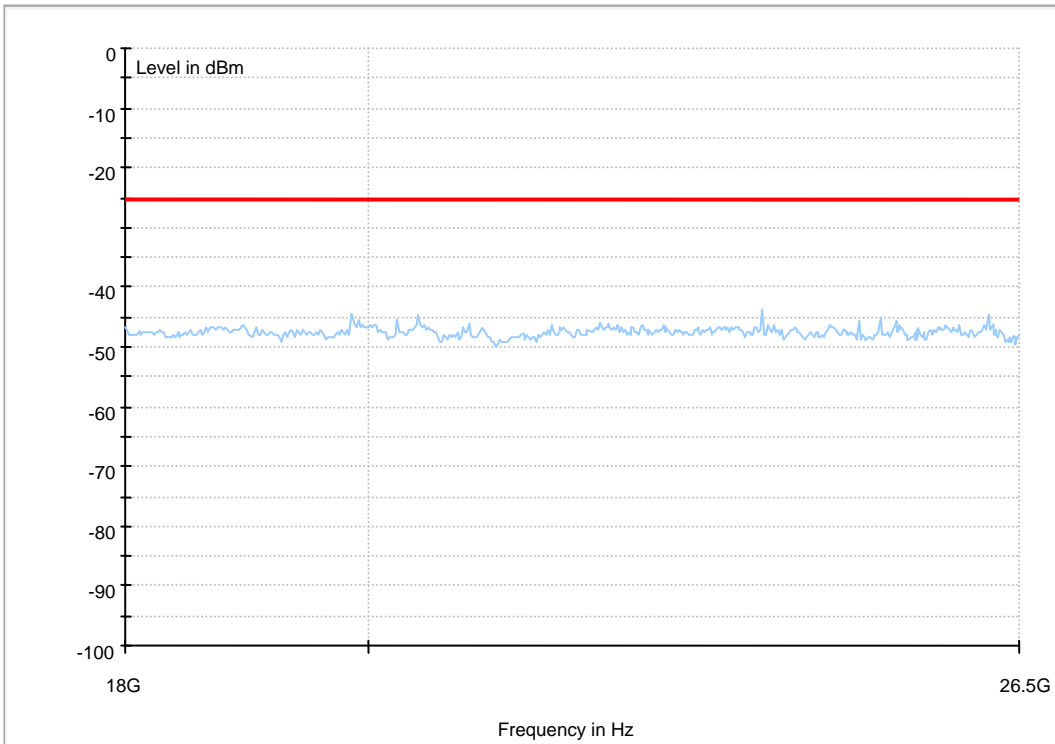
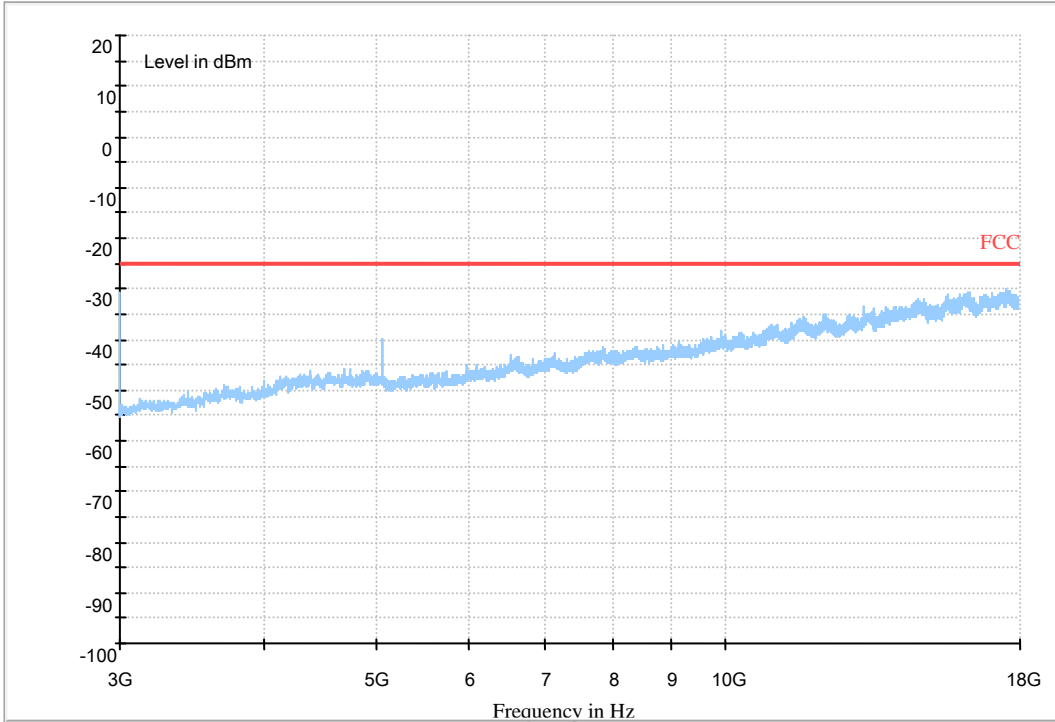
7.3.4.1 Test Bandwidth = 5



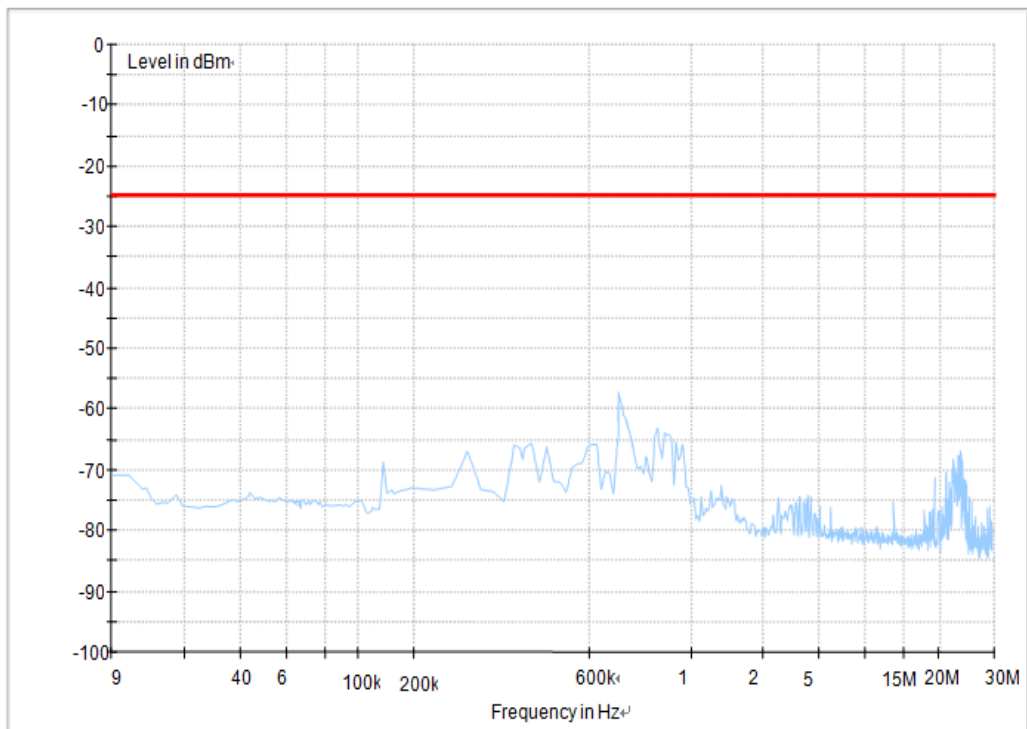
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



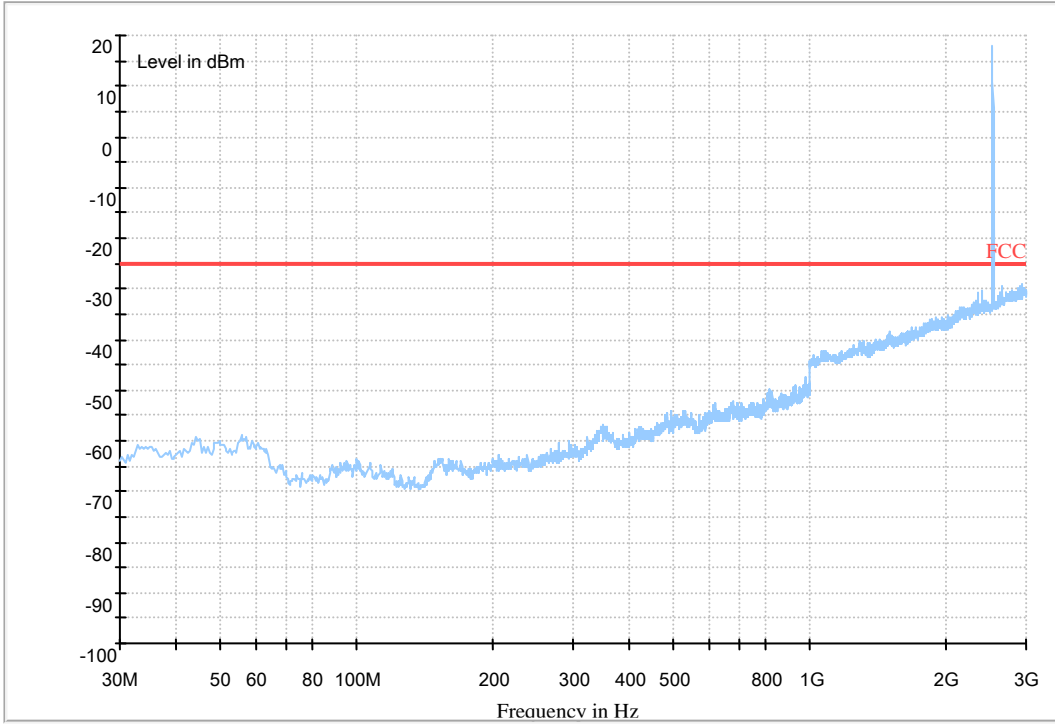
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



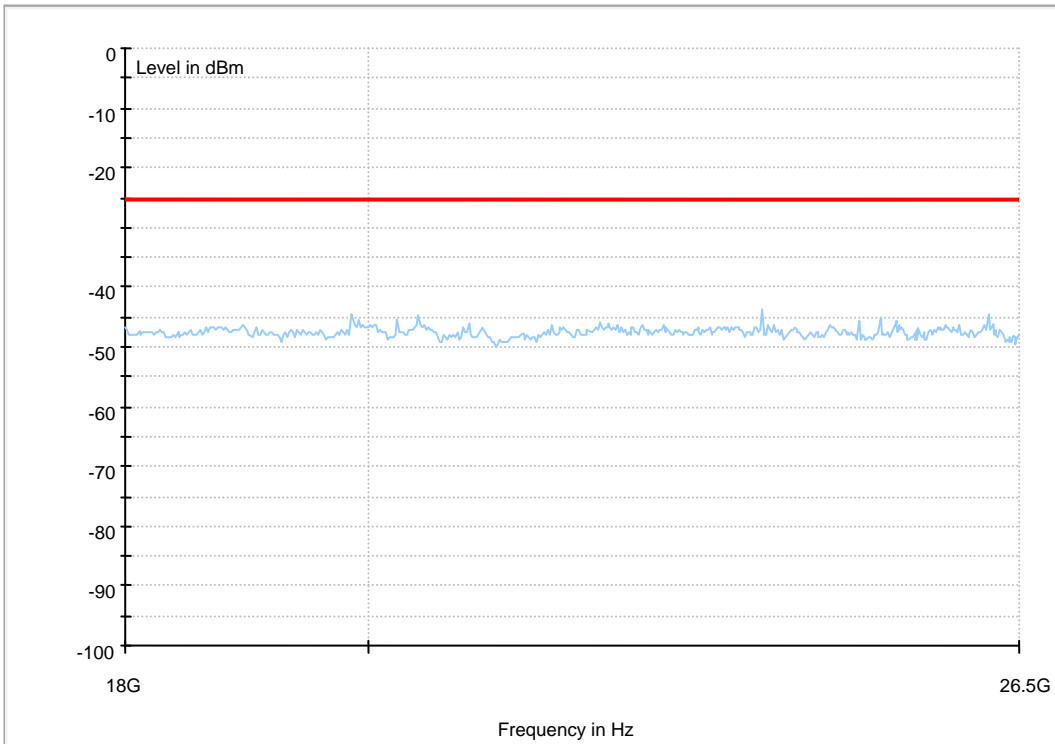
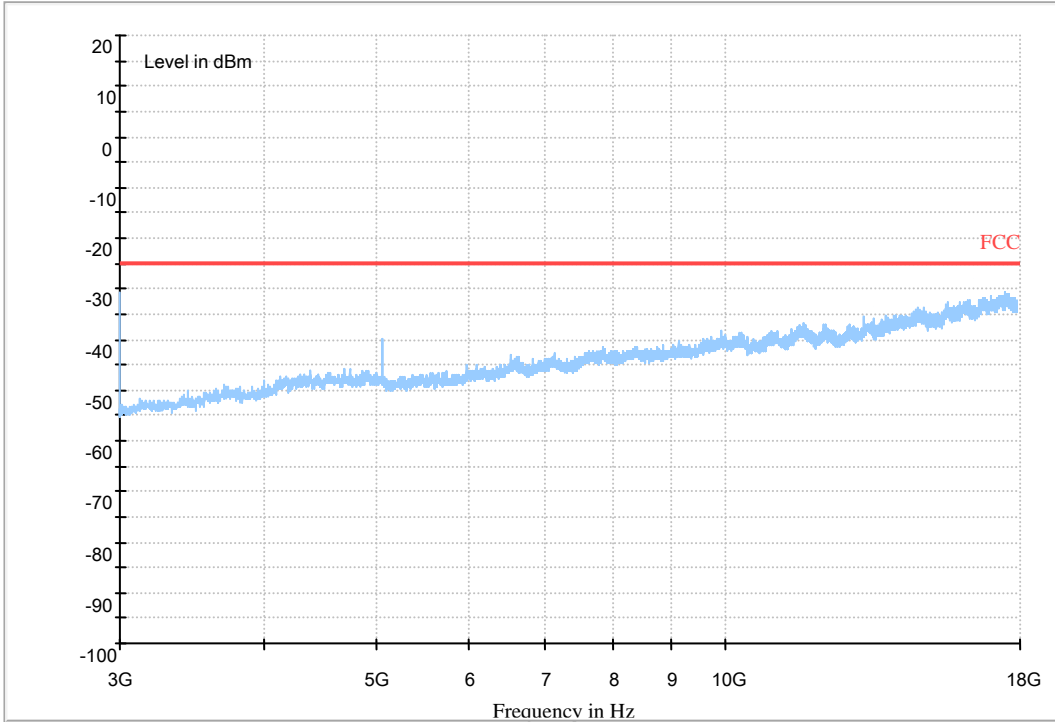
7.3.4.2 Test Bandwidth = 20



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 GSM

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
GSM850	GSM/TM1	LCH	TN	VL	7.10	0.00861	PASS	
				VN	2.45	0.00297	PASS	
				VH	3.10	0.00376	PASS	
		MCH	TN	VL	6.20	0.00741	PASS	
				VN	8.01	0.00957	PASS	
				VH	10.98	0.01312	PASS	
		HCH	TN	VL	1.81	0.00213	PASS	
				VN	4.46	0.00525	PASS	
				VH	2.78	0.00328	PASS	
	GSM/TM2	LCH	TN	VL	0.81	0.00098	PASS	
				VN	3.62	0.00439	PASS	
				VH	6.20	0.00752	PASS	
		MCH	TN	VL	7.14	0.00853	PASS	
				VN	2.87	0.00343	PASS	
				VH	2.07	0.00247	PASS	
		HCH	TN	VL	-4.68	-0.00551	PASS	
				VN	-6.39	-0.00753	PASS	
				VH	-4.23	-0.00498	PASS	
	GSM1900	GSM/TM1	LCH	TN	VL	-21.18	-0.01145	PASS
					VN	-12.72	-0.00687	PASS
					VH	-16.34	-0.00883	PASS
			MCH	TN	VL	-3.68	-0.00196	PASS
					VN	-12.07	-0.00642	PASS
					VH	-4.58	-0.00244	PASS
HCH			TN	VL	-12.14	-0.00636	PASS	
				VN	-12.79	-0.0067	PASS	
				VH	-7.88	-0.00413	PASS	
GSM/TM2		LCH	TN	VL	-18.14	-0.0098	PASS	
				VN	-21.05	-0.01138	PASS	
				VH	-21.89	-0.01183	PASS	
		MCH	TN	VL	-24.70	-0.01314	PASS	



Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VN	-17.31	-0.00921	PASS
				VH	-17.92	-0.00953	PASS
		HCH	TN	VL	-22.86	-0.01197	PASS
				VN	-27.93	-0.01462	PASS
				VH	-18.76	-0.00982	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	4.71	0.00571	PASS
				-20	4.91	0.00596	PASS
				-10	7.62	0.00925	PASS
				0	8.01	0.00972	PASS
				10	6.52	0.00791	PASS
				20	6.97	0.00846	PASS
				30	7.04	0.00854	PASS
				40	5.04	0.00612	PASS
				50	4.13	0.00501	PASS
		MCH	VN	-30	7.30	0.00873	PASS
				-20	9.75	0.01165	PASS
				-10	9.30	0.01112	PASS
				0	9.62	0.0115	PASS
				10	11.95	0.01428	PASS
				20	11.17	0.01335	PASS
				30	8.65	0.01034	PASS
				40	10.78	0.01289	PASS
				50	11.30	0.01351	PASS
		HCH	VN	-30	5.42	0.00639	PASS
				-20	6.65	0.00783	PASS
				-10	4.91	0.00578	PASS
				0	7.36	0.00867	PASS
				10	4.58	0.0054	PASS
				20	4.97	0.00586	PASS
				30	3.75	0.00442	PASS
				40	4.13	0.00487	PASS
				50	6.84	0.00806	PASS
	GSM/TM2	LCH	VN	-30	-0.74	-0.0009	PASS
				-20	1.84	0.00223	PASS
				-10	-0.23	-0.00028	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				0	-5.26	-0.00638	PASS		
				10	9.04	0.01097	PASS		
				20	-1.78	-0.00216	PASS		
				30	1.52	0.00184	PASS		
				40	2.07	0.00251	PASS		
				50	-0.74	-0.0009	PASS		
		MCH	VN	-30	-0.32	-0.00038	PASS		
				-20	1.78	0.00213	PASS		
				-10	2.03	0.00243	PASS		
				0	1.10	0.00131	PASS		
				10	6.49	0.00776	PASS		
				20	-3.42	-0.00409	PASS		
				30	5.71	0.00683	PASS		
				40	3.97	0.00475	PASS		
		HCH	VN	50	-0.10	-0.00012	PASS		
				-30	-7.39	-0.00871	PASS		
				-20	-4.97	-0.00586	PASS		
				-10	-0.84	-0.00099	PASS		
				0	-7.10	-0.00836	PASS		
				10	-10.53	-0.01241	PASS		
				20	1.00	0.00118	PASS		
				30	-10.43	-0.01229	PASS		
		GSM1900	GSM/TM1	LCH	VN	40	-7.26	-0.00855	PASS
						50	-11.62	-0.01369	PASS
-30	-17.69					-0.00956	PASS		
-20	-26.02					-0.01406	PASS		
-10	-21.70					-0.01173	PASS		
0	-17.69					-0.00956	PASS		
10	-13.24					-0.00716	PASS		
20	-20.28					-0.01096	PASS		
30	-19.37					-0.01047	PASS		
40	-20.73					-0.0112	PASS		
MCH	VN	50	-17.05	-0.00922	PASS				
		-30	-5.88	-0.00313	PASS				
		-20	-8.85	-0.00471	PASS				
		-10	-1.03	-0.00055	PASS				
		0	-6.33	-0.00337	PASS				
		10	-5.36	-0.00285	PASS				
		20	-10.01	-0.00532	PASS				
30	-9.17	-0.00488	PASS						



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				40	-8.39	-0.00446	PASS
				50	-4.52	-0.0024	PASS
		HCH	VN	-30	-10.33	-0.00541	PASS
				-20	-10.14	-0.00531	PASS
				-10	-7.30	-0.00382	PASS
				0	-5.88	-0.00308	PASS
				10	-3.62	-0.0019	PASS
				20	-10.46	-0.00548	PASS
				30	-17.05	-0.00893	PASS
				40	-8.27	-0.00433	PASS
				50	-12.59	-0.00659	PASS
				GSM/TM2	LCH	VN	-30
	-20	-32.35	-0.01748				PASS
	-10	-26.41	-0.01427				PASS
	0	-32.61	-0.01763				PASS
	10	-27.28	-0.01474				PASS
	20	-23.31	-0.0126				PASS
	30	-25.51	-0.01379				PASS
	40	-24.41	-0.01319				PASS
	50	-20.34	-0.01099				PASS
	MCH	VN	-30				-24.12
			-20		-25.99	-0.01382	PASS
			-10		-22.73	-0.01209	PASS
			0		-22.05	-0.01173	PASS
			10		-22.02	-0.01171	PASS
			20		-20.95	-0.01114	PASS
			30		-12.24	-0.00651	PASS
			40		-21.18	-0.01127	PASS
			50		-16.43	-0.00874	PASS
			HCH		VN	-30	-18.40
	-20	-21.44				-0.01123	PASS
	-10	-9.78		-0.00512		PASS	
0	-14.88	-0.00779		PASS			
10	-28.70	-0.01503		PASS			
20	-26.60	-0.01393		PASS			
30	-10.33	-0.00541		PASS			
40	-18.08	-0.00947		PASS			
			50	-29.22	-0.0153	PASS	

8.2 For UMTS

8.2.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	TN	VL	-18.74	-0.02268	PASS
				VN	-5.72	-0.00692	PASS
				VH	-9.41	-0.01139	PASS
		MCH	TN	VL	-7.11	-0.0085	PASS
				VN	-3.27	-0.00391	PASS
				VH	-3.13	-0.00374	PASS
		HCH	TN	VL	-17.93	-0.02118	PASS
				VN	-1.85	-0.00219	PASS
				VH	-8.12	-0.00959	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	0.37	0.0002	PASS
				VN	5.16	0.00279	PASS
				VH	10.10	0.00545	PASS
		MCH	TN	VL	0.32	0.00017	PASS
				VN	-8.27	-0.0044	PASS
				VH	0.20	0.00011	PASS
		HCH	TN	VL	-13.23	-0.00694	PASS
				VN	-7.49	-0.00393	PASS
				VH	-4.18	-0.00219	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-7.72	-0.00451	PASS
				VN	4.36	0.00255	PASS
				VH	-2.66	-0.00155	PASS
		MCH	TN	VL	-5.14	-0.00297	PASS
				VN	-3.48	-0.00201	PASS
				VH	-3.01	-0.00174	PASS
		HCH	TN	VL	-7.52	-0.00429	PASS
				VN	7.25	0.00414	PASS
				VH	-5.04	-0.00288	PASS

8.2.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	VN	-30	-9.77	-0.01182	PASS
				-20	-11.05	-0.01337	PASS
				-10	-1.28	-0.00155	PASS
				0	-9.84	-0.01191	PASS
				10	-12.97	-0.01569	PASS
				20	2.41	0.00292	PASS
				30	-3.46	-0.00419	PASS
				40	-12.45	-0.01507	PASS
				50	0.70	0.00085	PASS
		MCH	VN	-30	-15.40	-0.01841	PASS
				-20	-4.18	-0.005	PASS
				-10	-8.70	-0.0104	PASS
				0	-13.24	-0.01583	PASS
				10	-1.33	-0.00159	PASS
				20	-8.80	-0.01052	PASS
				30	-13.17	-0.01575	PASS
				40	-3.01	-0.0036	PASS
				50	-7.83	-0.00936	PASS
		HCH	VN	-30	-11.43	-0.0135	PASS
				-20	3.56	0.00421	PASS
				-10	-6.21	-0.00734	PASS
				0	-5.11	-0.00604	PASS
				10	-4.65	-0.00549	PASS
				20	-8.12	-0.00959	PASS
				30	-7.93	-0.00937	PASS
				40	-20.34	-0.02403	PASS
				50	-4.81	-0.00568	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	0.21	0.00011	PASS
				-20	-11.89	-0.00642	PASS
				-10	-5.49	-0.00296	PASS
				0	-6.10	-0.00329	PASS
				10	-7.06	-0.00381	PASS
				20	-15.29	-0.00825	PASS
				30	-10.93	-0.0059	PASS
				40	-2.40	-0.0013	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	VN	50	-9.28	-0.00501	PASS
				-30	-12.86	-0.00684	PASS
				-20	-3.42	-0.00182	PASS
				-10	-10.36	-0.00551	PASS
				0	-7.77	-0.00413	PASS
				10	1.69	0.0009	PASS
				20	4.01	0.00213	PASS
				30	3.85	0.00205	PASS
				40	5.16	0.00274	PASS
				50	3.10	0.00165	PASS
		HCH	VN	-30	-19.61	-0.01028	PASS
				-20	0.67	0.00035	PASS
				-10	-2.12	-0.00111	PASS
				0	-0.26	-0.00014	PASS
				10	-7.61	-0.00399	PASS
				20	-6.18	-0.00324	PASS
				30	-5.26	-0.00276	PASS
				40	-4.12	-0.00216	PASS
				50	3.48	0.00182	PASS
				WCDMA1700	UMTS/TM1	LCH	VN
-20	3.65	0.00213	PASS				
-10	-0.99	-0.00058	PASS				
0	-0.05	-0.00003	PASS				
10	4.78	0.00279	PASS				
20	-4.64	-0.00271	PASS				
30	-6.18	-0.00361	PASS				
40	-0.15	-0.00009	PASS				
50	-9.55	-0.00558	PASS				
MCH	VN	-30	-11.44			-0.0066	PASS
		-20	-12.51			-0.00722	PASS
		-10	-13.32			-0.00769	PASS
		0	-7.22			-0.00417	PASS
		10	-8.06			-0.00465	PASS
		20	-2.53			-0.00146	PASS
		30	-1.66			-0.00096	PASS
		40	-1.63			-0.00094	PASS
		50	-10.91			-0.0063	PASS
HCH	VN	-30	-3.78			-0.00216	PASS
		-20	-0.85			-0.00048	PASS
		-10	3.62			0.00207	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				0	7.86	0.00448	PASS
				10	-0.56	-0.00032	PASS
				20	-9.2	-0.00525	PASS
				30	-6.91	-0.00394	PASS
				40	4.26	0.00243	PASS
				50	-11.23	-0.00641	PASS



8.3 For LTE

8.3.1 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	-7.95	-0.0043	PASS
					VN	-2.62	-0.00142	PASS
					VH	2.53	0.00137	PASS
			MCH	TN	VL	-11.36	-0.00604	PASS
					VN	-8.63	-0.00459	PASS
					VH	-1.76	-0.00094	PASS
			HCH	TN	VL	-1.95	-0.00102	PASS
					VN	0.13	0.00007	PASS
					VH	-12.86	-0.00674	PASS
		3	LCH	TN	VL	-0.63	-0.00034	PASS
					VN	-0.36	-0.00019	PASS
					VH	-0.33	-0.00018	PASS
			MCH	TN	VL	-0.63	-0.00034	PASS
					VN	-2.83	-0.00151	PASS
					VH	-1.49	-0.00079	PASS
			HCH	TN	VL	-0.19	-0.0001	PASS
					VN	0.84	0.00044	PASS
					VH	-14.09	-0.00738	PASS
		5	LCH	TN	VL	0.40	0.00022	PASS
					VN	0.87	0.00047	PASS
					VH	-1.82	-0.00098	PASS
			MCH	TN	VL	0.21	0.00011	PASS
					VN	-4.98	-0.00265	PASS
					VH	-4.03	-0.00214	PASS
			HCH	TN	VL	-2.52	-0.00132	PASS
					VN	-1.56	-0.00082	PASS
					VH	-3.56	-0.00187	PASS
		10	LCH	TN	VL	-1.33	-0.00072	PASS
					VN	-0.63	-0.00034	PASS
					VH	-3.88	-0.00209	PASS
MCH	TN		VL	-3.60	-0.00191	PASS		
			VN	-0.67	-0.00036	PASS		
			VH	-1.59	-0.00085	PASS		
HCH	TN	VL	-4.41	-0.00231	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	-0.66	-0.00035	PASS	
					VH	-1.49	-0.00078	PASS	
		15	LCH	TN	VL	-1.67	-0.0009	PASS	
					VN	-2.13	-0.00115	PASS	
					VH	55.85	0.03007	PASS	
			MCH	TN	VL	-1.50	-0.0008	PASS	
					VN	-2.96	-0.00157	PASS	
					VH	-1.89	-0.00101	PASS	
			HCH	TN	VL	-1.93	-0.00101	PASS	
					VN	-0.77	-0.0004	PASS	
					VH	-0.60	-0.00032	PASS	
		20	LCH	TN	VL	-0.80	-0.00043	PASS	
					VN	-0.31	-0.00017	PASS	
					VH	0.09	0.00005	PASS	
			MCH	TN	VL	-1.39	-0.00074	PASS	
					VN	-0.74	-0.00039	PASS	
					VH	-0.77	-0.00041	PASS	
			HCH	TN	VL	-2.16	-0.00114	PASS	
					VN	-1.22	-0.00064	PASS	
					VH	-2.68	-0.00141	PASS	
		LTE/TM2	1.4	LCH	TN	VL	-3.02	-0.00163	PASS
						VN	-1.95	-0.00105	PASS
						VH	-8.90	-0.00481	PASS
				MCH	TN	VL	-3.29	-0.00175	PASS
						VN	6.27	0.00334	PASS
						VH	0.90	0.00048	PASS
				HCH	TN	VL	1.77	0.00093	PASS
						VN	-0.60	-0.00031	PASS
						VH	-10.51	-0.0055	PASS
			3	LCH	TN	VL	-1.34	-0.00072	PASS
						VN	0.46	0.00025	PASS
						VH	0.04	0.00002	PASS
				MCH	TN	VL	1.03	0.00055	PASS
						VN	-1.22	-0.00065	PASS
						VH	-0.11	-0.00006	PASS
				HCH	TN	VL	-1.59	-0.00083	PASS
						VN	-13.18	-0.00691	PASS
						VH	-9.96	-0.00522	PASS
		5	LCH	TN	VL	-0.96	-0.00052	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	3.38	0.00182	PASS		
					VH	-0.21	-0.00011	PASS		
					MCH	TN	VL	-0.89	-0.00047	PASS
							VN	-2.85	-0.00152	PASS
					VH	-1.12	-0.0006	PASS		
					HCH	TN	VL	1.14	0.0006	PASS
			VN	0.04			0.00002	PASS		
			VH	-2.22			-0.00116	PASS		
			10	LCH	TN	VL	-1.96	-0.00106	PASS	
						VN	-3.83	-0.00206	PASS	
						VH	-2.92	-0.00157	PASS	
				MCH	TN	VL	-4.59	-0.00244	PASS	
		VN				-0.23	-0.00012	PASS		
		VH				-0.74	-0.00039	PASS		
		HCH		TN	VL	-0.33	-0.00017	PASS		
					VN	-2.52	-0.00132	PASS		
					VH	-1.92	-0.00101	PASS		
		15		LCH	TN	VL	0.23	0.00012	PASS	
						VN	-1.20	-0.00065	PASS	
						VH	0.99	0.00053	PASS	
			MCH	TN	VL	2.03	0.00108	PASS		
					VN	-0.41	-0.00022	PASS		
					VH	0.36	0.00019	PASS		
			HCH	TN	VL	0.62	0.00033	PASS		
					VN	-0.64	-0.00034	PASS		
					VH	-1.13	-0.00059	PASS		
		20	LCH	TN	VL	-0.11	-0.00006	PASS		
					VN	-0.34	-0.00018	PASS		
					VH	-2.17	-0.00117	PASS		
			MCH	TN	VL	-2.10	-0.00112	PASS		
VN	-0.36				-0.00019	PASS				
VH	-1.57				-0.00084	PASS				
HCH	TN		VL	-1.27	-0.00067	PASS				
			VN	-2.72	-0.00143	PASS				
			VH	-2.98	-0.00157	PASS				
BAND4	LTE/TM1	1.4	LCH	TN	VL	-5.68	-0.00332	PASS		
					VN	-9.16	-0.00535	PASS		
					VH	-7.80	-0.00456	PASS		
			MCH	TN	VL	-4.28	-0.00247	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	-3.03	-0.00175	PASS	
					VH	-17.41	-0.01005	PASS	
			HCH	TN	VL	3.19	0.00182	PASS	
					VN	-9.16	-0.00522	PASS	
						VH	-4.95	-0.00282	PASS
						VL	0.17	0.0001	PASS
		3	LCH	TN	VN	-0.89	-0.00052	PASS	
					VH	1.33	0.00078	PASS	
			MCH	TN	VL	-3.08	-0.00178	PASS	
					VN	1.90	0.0011	PASS	
						VH	-0.31	-0.00018	PASS
						VL	-8.74	-0.00498	PASS
		5	HCH	TN	VN	-0.99	-0.00056	PASS	
					VH	0.36	0.00021	PASS	
			LCH	TN	VL	-2.13	-0.00124	PASS	
					VN	-0.06	-0.00004	PASS	
						VH	2.56	0.00149	PASS
						VL	-1.76	-0.00102	PASS
		10	MCH	TN	VN	0.96	0.00055	PASS	
					VH	-2.12	-0.00122	PASS	
			HCH	TN	VL	-2.29	-0.00131	PASS	
					VN	0.13	0.00007	PASS	
						VH	-3.65	-0.00208	PASS
						VL	0.69	0.0004	PASS
		15	LCH	TN	VN	-3.60	-0.0021	PASS	
					VH	-0.82	-0.00048	PASS	
			MCH	TN	VL	1.85	0.00107	PASS	
					VN	0.99	0.00057	PASS	
						VH	-1.67	-0.00096	PASS
						VL	2.78	0.00159	PASS
		15	HCH	TN	VN	-0.67	-0.00038	PASS	
					VH	-0.57	-0.00033	PASS	
			LCH	TN	VL	1.49	0.00087	PASS	
					VN	-1.66	-0.00097	PASS	
						VH	-1.09	-0.00063	PASS
						VL	-0.43	-0.00025	PASS
		MCH	TN	VN	0.49	0.00028	PASS		
				VH	0.46	0.00027	PASS		
		HCH	TN	VL	-0.21	-0.00012	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		20	LCH	TN	VN	-1.34	-0.00077	PASS	
					VH	-0.24	-0.00014	PASS	
					VL	0.46	0.00027	PASS	
			MCH	TN	VN	0.80	0.00047	PASS	
					VH	-1.54	-0.0009	PASS	
					VL	0.43	0.00025	PASS	
		HCH	TN	VN	-1.99	-0.00115	PASS		
				VH	-1.49	-0.00086	PASS		
				VL	-2.37	-0.00136	PASS		
		LTE/TM2	1.4	LCH	TN	VN	-2.12	-0.00121	PASS
						VH	-1.79	-0.00103	PASS
						VL	-8.31	-0.00486	PASS
				MCH	TN	VN	-3.15	-0.00184	PASS
						VH	-5.61	-0.00328	PASS
						VL	-2.13	-0.00123	PASS
			HCH	TN	VN	-4.94	-0.00285	PASS	
					VH	-8.98	-0.00518	PASS	
					VL	-5.87	-0.00335	PASS	
	3		LCH	TN	VN	-4.08	-0.00233	PASS	
					VH	-7.05	-0.00402	PASS	
					VL	1.07	0.00063	PASS	
			MCH	TN	VN	3.92	0.00229	PASS	
					VH	1.52	0.00089	PASS	
					VL	5.19	0.003	PASS	
	HCH		TN	VN	0.73	0.00042	PASS		
				VH	-2.39	-0.00138	PASS		
				VL	0.84	0.00048	PASS		
	5	LCH	TN	VN	-0.04	-0.00002	PASS		
				VH	-2.02	-0.00115	PASS		
				VL	-2.27	-0.00133	PASS		
		MCH	TN	VN	0.63	0.00037	PASS		
				VH	1.77	0.00103	PASS		
				VL	0.39	0.00023	PASS		
	HCH	TN	VN	-1.09	-0.00063	PASS			
			VH	-1.60	-0.00092	PASS			
			VL	1.10	0.00063	PASS			
	10	LCH	TN	VN	-2.49	-0.00142	PASS		
				VH	-2.03	-0.00116	PASS		
				VL	-3.75	-0.00219	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	0.80	0.00047	PASS	
					VH	-0.33	-0.00019	PASS	
					VL	0.87	0.0005	PASS	
			MCH	TN	VN	-0.66	-0.00038	PASS	
					VH	0.93	0.00054	PASS	
					VL	-0.60	-0.00034	PASS	
		HCH	TN	VN	0.20	0.00011	PASS		
				VH	0.47	0.00027	PASS		
				VL	0.69	0.0004	PASS		
		15	LCH	TN	VN	-0.63	-0.00037	PASS	
					VH	-0.09	-0.00005	PASS	
					VL	0.50	0.00029	PASS	
			MCH	TN	VN	0.21	0.00012	PASS	
					VH	-0.74	-0.00043	PASS	
					VL	-0.34	-0.00019	PASS	
			HCH	TN	VN	3.48	0.00199	PASS	
					VH	0.37	0.00021	PASS	
					VL	0.89	0.00052	PASS	
			20	LCH	TN	VN	-0.13	-0.00008	PASS
						VH	-0.33	-0.00019	PASS
						VL	-0.79	-0.00046	PASS
		MCH		TN	VN	1.37	0.00079	PASS	
					VH	-0.74	-0.00043	PASS	
					VL	-0.39	-0.00022	PASS	
HCH	TN	VN		0.11	0.00006	PASS			
		VH		-0.54	-0.00031	PASS			
		VL		4.92	0.00597	PASS			
BAND5	LTE/TM1	1.4	LCH	TN	VN	0.30	0.00036	PASS	
					VH	-18.78	-0.02277	PASS	
					VL	0.69	0.00082	PASS	
			MCH	TN	VN	-11.69	-0.01397	PASS	
					VH	5.94	0.0071	PASS	
					VL	11.47	0.01352	PASS	
			HCH	TN	VN	-7.02	-0.00828	PASS	
					VH	-15.96	-0.01881	PASS	
					VL	-0.99	-0.0012	PASS	
		3	LCH	TN	VN	22.49	0.02724	PASS	
					VH	7.88	0.00955	PASS	
					VL	-12.79	-0.01529	PASS	
		MCH	TN	VL	-12.79	-0.01529	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	1.59	0.0019	PASS	
					VH	-1.04	-0.00124	PASS	
			HCH	TN	VL	-3.22	-0.0038	PASS	
					VN	2.59	0.00306	PASS	
					VH	1.85	0.00218	PASS	
					VL	-0.70	-0.00085	PASS	
		5	LCH	TN	VN	0.99	0.0012	PASS	
					VH	-1.69	-0.00204	PASS	
			MCH	TN	VL	-2.32	-0.00277	PASS	
					VN	-1.42	-0.0017	PASS	
					VH	4.84	0.00579	PASS	
					VL	0.24	0.00028	PASS	
		10	HCH	TN	VN	-3.29	-0.00389	PASS	
					VH	-1.63	-0.00193	PASS	
			LCH	TN	VL	6.17	0.00744	PASS	
					VN	-1.66	-0.002	PASS	
					VH	-0.43	-0.00052	PASS	
					VL	-8.20	-0.0098	PASS	
		3	MCH	TN	VN	147.29	0.17608	PASS	
					VH	53.37	0.0638	PASS	
			HCH	TN	VL	-1.27	-0.0015	PASS	
					VN	-1.29	-0.00153	PASS	
					VH	-1.99	-0.00236	PASS	
					VL	-11.24	-0.01363	PASS	
		LTE/TM2	1.4	LCH	TN	VN	8.07	0.00979	PASS
						VH	6.59	0.00799	PASS
				MCH	TN	VL	9.40	0.01124	PASS
						VN	-3.35	-0.004	PASS
						VH	46.28	0.05533	PASS
						VL	-22.24	-0.02622	PASS
			HCH	TN	VN	4.23	0.00499	PASS	
					VH	6.87	0.0081	PASS	
			3	LCH	TN	VL	-3.96	-0.0048	PASS
						VN	32.89	0.03984	PASS
						VH	-10.77	-0.01305	PASS
						VL	-3.06	-0.00366	PASS
				MCH	TN	VN	-0.43	-0.00051	PASS
						VH	-5.68	-0.00679	PASS
			HCH	TN	VL	-1.89	-0.00223	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	-0.67	-0.00079	PASS		
					VH	-5.35	-0.00631	PASS		
		5	LCH	TN	VL	-0.60	-0.00073	PASS		
					VN	-3.46	-0.00419	PASS		
					VH	0.34	0.00041	PASS		
			MCH	TN	VL	-0.33	-0.00039	PASS		
					VN	1.87	0.00224	PASS		
					VH	6.49	0.00776	PASS		
		HCH	TN	VL	-0.16	-0.00019	PASS			
				VN	-0.60	-0.00071	PASS			
				VH	-1.89	-0.00223	PASS			
		10	LCH	TN	VL	28.62	0.03452	PASS		
					VN	5.87	0.00708	PASS		
					VH	-3.35	-0.00404	PASS		
			MCH	TN	VL	-21.30	-0.02546	PASS		
					VN	-193.26	-0.23103	PASS		
					VH	-17.58	-0.02102	PASS		
			HCH	TN	VL	-0.44	-0.00052	PASS		
					VN	0.21	0.00025	PASS		
					VH	-2.96	-0.00351	PASS		
		BAND7	LTE/TM1	5	LCH	TN	VL	-6.45	-0.00258	PASS
							VN	-0.33	-0.00013	PASS
							VH	0.10	0.00004	PASS
					MCH	TN	VL	-2.79	-0.0011	PASS
VN	-1.82						-0.00072	PASS		
VH	-2.96						-0.00117	PASS		
HCH	TN				VL	-2.82	-0.0011	PASS		
					VN	-3.50	-0.00136	PASS		
					VH	-1.10	-0.00043	PASS		
10	LCH			TN	VL	0.54	0.00022	PASS		
					VN	-1.80	-0.00072	PASS		
					VH	-0.62	-0.00025	PASS		
	MCH			TN	VL	-1.60	-0.00063	PASS		
					VN	-2.78	-0.0011	PASS		
					VH	3.33	0.00131	PASS		
HCH	TN			VL	3.26	0.00127	PASS			
				VN	1.23	0.00048	PASS			
				VH	-2.25	-0.00088	PASS			
15	LCH			TN	VL	-0.21	-0.00008	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	20	MCH	TN	VN	-1.44	-0.00057	PASS
					VH	3.39	0.00135	PASS
					VL	0.63	0.00025	PASS
					VN	-1.19	-0.00047	PASS
					VH	-4.28	-0.00169	PASS
					VH	-4.28	-0.00169	PASS
			HCH	TN	VL	-2.70	-0.00105	PASS
					VN	-0.50	-0.0002	PASS
					VH	-0.49	-0.00019	PASS
					VL	-0.57	-0.00023	PASS
					VN	1.83	0.00073	PASS
					VH	0.41	0.00016	PASS
		5	LCH	TN	VL	0.40	0.00016	PASS
					VN	-1.95	-0.00077	PASS
					VH	-1.53	-0.0006	PASS
					VL	4.33	0.00169	PASS
					VN	0.09	0.00004	PASS
					VH	0.50	0.0002	PASS
			MCH	TN	VL	-2.16	-0.00086	PASS
					VN	0.77	0.00031	PASS
					VH	4.94	0.00197	PASS
					VL	3.62	0.00143	PASS
					VN	-1.87	-0.00074	PASS
					VH	3.19	0.00126	PASS
		10	LCH	TN	VL	1.02	0.0004	PASS
					VN	-0.99	-0.00039	PASS
					VH	2.25	0.00088	PASS
					VL	-0.51	-0.0002	PASS
					VN	0.63	0.00025	PASS
					VH	0.17	0.00007	PASS
			MCH	TN	VL	-0.24	-0.00009	PASS
					VN	-3.65	-0.00144	PASS
					VH	0.33	0.00013	PASS
					VL	-1.40	-0.00055	PASS
					VN	-2.30	-0.0009	PASS
					VH	0.50	0.00019	PASS
		15	LCH	TN	VL	-0.43	-0.00017	PASS
					VN	-0.69	-0.00028	PASS
					VH	0.13	0.00005	PASS
			MCH	TN	VL	-4.21	-0.00166	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-6.22	-0.00245	PASS
					VH	-3.35	-0.00132	PASS
					VL	-1.47	-0.00057	PASS
			HCH	TN	VN	-2.35	-0.00092	PASS
					VH	-4.25	-0.00166	PASS
					VL	-1.69	-0.00067	PASS
		20	LCH	TN	VN	2.19	0.00087	PASS
					VH	-0.34	-0.00014	PASS
					VL	1.04	0.00041	PASS
			MCH	TN	VN	-1.97	-0.00078	PASS
					VH	-0.77	-0.0003	PASS
					VL	1.14	0.00045	PASS
		HCH	TN	VN	0.10	0.00004	PASS	
				VH	-3.42	-0.00134	PASS	
				VL				

8.3.2 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	VN	-30	-17.15	-0.00927	PASS
					-20	-3.75	-0.00203	PASS
					-10	0.8	0.00043	PASS
					0	-8.54	-0.00461	PASS
					10	2.3	0.00124	PASS
					20	0.39	0.00021	PASS
					30	-1.63	-0.00088	PASS
					40	-2.5	-0.00135	PASS
					50	1.83	0.00099	PASS
			MCH	VN	-30	-7.87	-0.00419	PASS
					-20	-10.31	-0.00548	PASS
					-10	-21.6	-0.01149	PASS
					0	-3.65	-0.00194	PASS
					10	-12.63	-0.00672	PASS
					20	-11.46	-0.0061	PASS
					30	-2.19	-0.00116	PASS
					40	-13.36	-0.00711	PASS
			HCH	VN	-30	-6.09	-0.00319	PASS



					-20	-20.13	-0.01054	PASS
					-10	-1.37	-0.00072	PASS
					0	-11.22	-0.00588	PASS
					10	-0.92	-0.00048	PASS
					20	-0.57	-0.0003	PASS
					30	-1.32	-0.00069	PASS
					40	-1.65	-0.00086	PASS
					50	-5.54	-0.0029	PASS
		3	LCH	VN	-30	-1.82	-0.00098	PASS
					-20	-2.62	-0.00142	PASS
					-10	1.07	0.00058	PASS
					0	-1.73	-0.00093	PASS
					10	0.62	0.00033	PASS
					20	0.59	0.00032	PASS
					30	-0.24	-0.00013	PASS
					40	0.01	0.00001	PASS
					50	-1.02	-0.00055	PASS
			MCH	VN	-30	-1.2	-0.00064	PASS
					-20	-0.5	-0.00027	PASS
					-10	-0.63	-0.00034	PASS
					0	-10.7	-0.00569	PASS
					10	-0.73	-0.00039	PASS
					20	-0.83	-0.00044	PASS
					30	-0.9	-0.00048	PASS
					40	-2.7	-0.00144	PASS
					50	0.3	0.00016	PASS
		HCH	VN	-30	0.29	0.00015	PASS	
				-20	-1.06	-0.00056	PASS	
				-10	-1.63	-0.00085	PASS	
				0	-1.42	-0.00074	PASS	
				10	1.83	0.00096	PASS	
				20	-1.59	-0.00083	PASS	
				30	1.49	0.00078	PASS	
				40	-0.43	-0.00023	PASS	
				50	-0.44	-0.00023	PASS	
		5	LCH	VN	-30	-1.76	-0.00095	PASS
					-20	2.82	0.00152	PASS
					-10	-0.37	-0.0002	PASS
					0	0.5	0.00027	PASS
					10	-3.59	-0.00194	PASS
					20	0.49	0.00026	PASS



			MCH	VN	30	2.36	0.00127	PASS
					40	1.62	0.00087	PASS
					50	1.83	0.00099	PASS
					-30	-0.07	-0.00004	PASS
					-20	-0.04	-0.00002	PASS
					-10	-3.58	-0.0019	PASS
					0	0.09	0.00005	PASS
					10	0.29	0.00015	PASS
					20	2.65	0.00141	PASS
					30	-1.6	-0.00085	PASS
					40	-0.03	-0.00002	PASS
					50	0.96	0.00051	PASS
			HCH	VN	-30	-0.29	-0.00015	PASS
					-20	-0.34	-0.00018	PASS
					-10	-4.49	-0.00235	PASS
					0	1.26	0.00066	PASS
					10	1.96	0.00103	PASS
					20	-1.82	-0.00095	PASS
					30	-0.36	-0.00019	PASS
					40	-1.63	-0.00085	PASS
			LCH	VN	50	1.1	0.00058	PASS
					-30	-2.09	-0.00113	PASS
					-20	-1.1	-0.00059	PASS
					-10	-3.66	-0.00197	PASS
					0	-1.34	-0.00072	PASS
					10	-1.79	-0.00096	PASS
					20	-0.92	-0.0005	PASS
					30	-3.66	-0.00197	PASS
					40	-2.45	-0.00132	PASS
					50	-2.42	-0.0013	PASS
			MCH	VN	-30	0.59	0.00031	PASS
					-20	-1.5	-0.0008	PASS
					-10	-2.13	-0.00113	PASS
					0	-1.53	-0.00081	PASS
					10	-2.99	-0.00159	PASS
					20	-2.02	-0.00107	PASS
					30	-0.39	-0.00021	PASS
					40	-0.82	-0.00044	PASS
					50	-1.07	-0.00057	PASS
					HCH	VN	-30	-2.86
-20	0.87	0.00046	PASS					

					-10	-0.59	-0.00031	PASS
					0	-0.31	-0.00016	PASS
					10	1.36	0.00071	PASS
					20	-2.02	-0.00106	PASS
					30	-2.06	-0.00108	PASS
					40	-0.04	-0.00002	PASS
					50	0.99	0.00052	PASS
		15	LCH	VN	-30	0.24	0.00013	PASS
					-20	-1.83	-0.00099	PASS
					-10	-1.32	-0.00071	PASS
					0	-2.43	-0.00131	PASS
					10	-0.51	-0.00027	PASS
					20	-2.3	-0.00124	PASS
					30	-0.79	-0.00043	PASS
					40	-2.15	-0.00116	PASS
					50	-1.66	-0.00089	PASS
			MCH	VN	-30	-1.02	-0.00054	PASS
					-20	0.27	0.00014	PASS
					-10	-1.6	-0.00085	PASS
					0	-3.1	-0.00165	PASS
					10	-1.72	-0.00091	PASS
					20	-0.64	-0.00034	PASS
					30	0.64	0.00034	PASS
					40	-3.43	-0.00182	PASS
					50	-1.66	-0.00088	PASS
		HCH	VN	-30	-1.8	-0.00095	PASS	
				-20	-3.52	-0.00185	PASS	
				-10	-0.44	-0.00023	PASS	
				0	0.46	0.00024	PASS	
				10	-2	-0.00105	PASS	
				20	-3.73	-0.00196	PASS	
				30	-0.6	-0.00032	PASS	
				40	0.23	0.00012	PASS	
				50	-0.57	-0.0003	PASS	
		20	LCH	VN	-30	0.96	0.00052	PASS
					-20	-1.75	-0.00094	PASS
					-10	-0.17	-0.00009	PASS
					0	-1.09	-0.00059	PASS
					10	0.82	0.00044	PASS
					20	-0.62	-0.00033	PASS
					30	-3.1	-0.00167	PASS

			MCH	VN	40	-0.29	-0.00016	PASS
					50	-1.7	-0.00091	PASS
					-30	-2.52	-0.00134	PASS
					-20	0.49	0.00026	PASS
					-10	-2.22	-0.00118	PASS
					0	-2.9	-0.00154	PASS
					10	-3.09	-0.00164	PASS
					20	-2.25	-0.0012	PASS
					30	-2.09	-0.00111	PASS
					40	-1.39	-0.00074	PASS
			50	-2.12	-0.00113	PASS		
			HCH	VN	-30	-2.35	-0.00124	PASS
					-20	-2.25	-0.00118	PASS
					-10	0.73	0.00038	PASS
					0	-1.07	-0.00056	PASS
					10	-1.95	-0.00103	PASS
					20	-1.92	-0.00101	PASS
					30	-0.82	-0.00043	PASS
					40	-1.33	-0.0007	PASS
					50	-1.42	-0.00075	PASS
	LTE/TM2	1.4			LCH	VN	-30	-18.83
			-20	-1.72			-0.00093	PASS
			-10	-1.12			-0.00061	PASS
			0	-8.3			-0.00448	PASS
			10	-12.95			-0.007	PASS
			20	-3.23			-0.00175	PASS
			30	1.7			0.00092	PASS
			40	-0.67			-0.00036	PASS
			50	-18.12			-0.00979	PASS
			MCH	VN			-30	0.33
					-20	7.12	0.00379	PASS
					-10	14.35	0.00763	PASS
					0	-2.19	-0.00116	PASS
					10	-14.23	-0.00757	PASS
					20	-6.71	-0.00357	PASS
					30	-3.23	-0.00172	PASS
					40	1.92	0.00102	PASS
					50	-7.42	-0.00395	PASS
					HCH	VN	-30	0.74
			-20	-10.97			-0.00575	PASS
-10	-10.36	-0.00543	PASS					



				0	-3.29	-0.00172	PASS		
				10	0.76	0.0004	PASS		
				20	-3.28	-0.00172	PASS		
				30	-15.09	-0.0079	PASS		
				40	-1.27	-0.00067	PASS		
				50	-0.24	-0.00013	PASS		
		3	LCH	VN	-30	0.97	0.00052	PASS	
					-20	-1.89	-0.00102	PASS	
					-10	-2.5	-0.00135	PASS	
					0	-17.02	-0.00919	PASS	
					10	-4.09	-0.00221	PASS	
					20	-3.18	-0.00172	PASS	
				MCH	VN	30	0.53	0.00029	PASS
			40			0.2	0.00011	PASS	
			50			-1.82	-0.00098	PASS	
			-30			-11.99	-0.00638	PASS	
			-20			-13.03	-0.00693	PASS	
			-10			0.04	0.00002	PASS	
				HCH	VN	0	-9.34	-0.00497	PASS
			10			-0.4	-0.00021	PASS	
		20	1.62			0.00086	PASS		
		30	1.59			0.00085	PASS		
		40	-0.29			-0.00015	PASS		
		50	0.11			0.00006	PASS		
		-30	-3			-0.00157	PASS		
		-20	-0.09			-0.00005	PASS		
		-10	-1.27	-0.00067	PASS				
			LCH	VN	0	-2.06	-0.00108	PASS	
		10			0.37	0.00019	PASS		
		20			-2.39	-0.00125	PASS		
		30			-0.73	-0.00038	PASS		
		40			-0.9	-0.00047	PASS		
		50			-1.85	-0.00097	PASS		
		-30			1.67	0.0009	PASS		
		-20			-2.1	-0.00113	PASS		
		-10	-1.86	-0.001	PASS				
		5	LCH	VN	0	0.01	0.00001	PASS	
					10	0.72	0.00039	PASS	
					20	-0.44	-0.00024	PASS	
					30	2.26	0.00122	PASS	
					40	-0.83	-0.00045	PASS	



				50	3.63	0.00196	PASS	
			MCH	VN	-30	0.04	0.00002	PASS
					-20	-1	-0.00053	PASS
					-10	-0.9	-0.00048	PASS
					0	1.12	0.0006	PASS
					10	-1.99	-0.00106	PASS
					20	-2.22	-0.00118	PASS
					30	-1.3	-0.00069	PASS
					40	-2.02	-0.00107	PASS
					50	1.27	0.00068	PASS
			HCH	VN	-30	0.3	0.00016	PASS
					-20	-1.53	-0.0008	PASS
					-10	-1.8	-0.00094	PASS
					0	0.34	0.00018	PASS
					10	-0.01	-0.00001	PASS
					20	0.03	0.00002	PASS
					30	0.6	0.00031	PASS
					40	-2.7	-0.00142	PASS
			50	-1.6	-0.00084	PASS		
		10	LCH	VN	-30	-1.3	-0.0007	PASS
					-20	-1.22	-0.00066	PASS
					-10	-2.45	-0.00132	PASS
					0	-1.76	-0.00095	PASS
					10	-2.76	-0.00149	PASS
					20	1.29	0.0007	PASS
					30	-3.26	-0.00176	PASS
					40	0.9	0.00049	PASS
			50	-1.26	-0.00068	PASS		
			MCH	VN	-30	-11.04	-0.00587	PASS
					-20	-5.22	-0.00278	PASS
					-10	-15.16	-0.00806	PASS
					0	0.67	0.00036	PASS
					10	-9.7	-0.00516	PASS
					20	-1.02	-0.00054	PASS
					30	-9.47	-0.00504	PASS
		40			-17.35	-0.00923	PASS	
		50	-0.3	-0.00016	PASS			
		HCH	VN	-30	0.26	0.00014	PASS	
				-20	-1.8	-0.00094	PASS	
				-10	-1.99	-0.00104	PASS	
				0	-3.73	-0.00196	PASS	



					10	-6.85	-0.0036	PASS
					20	-7.68	-0.00403	PASS
					30	-11.52	-0.00605	PASS
					40	-8.41	-0.00441	PASS
					50	6.78	0.00356	PASS
		15	LCH	VN	-30	-2.39	-0.00129	PASS
					-20	-7.57	-0.00408	PASS
					-10	-9.27	-0.00499	PASS
					0	3.99	0.00215	PASS
					10	-15.05	-0.0081	PASS
					20	-1.92	-0.00103	PASS
			30	2.12	0.00114	PASS		
			40	2.57	0.00138	PASS		
			50	-1.47	-0.00079	PASS		
			MCH	VN	-30	-6.62	-0.00352	PASS
					-20	3.15	0.00168	PASS
					-10	-14.1	-0.0075	PASS
					0	-5.22	-0.00278	PASS
					10	-12.89	-0.00686	PASS
					20	-15.16	-0.00806	PASS
			30	-4.32	-0.0023	PASS		
			40	-8.08	-0.0043	PASS		
			50	-4.09	-0.00218	PASS		
		HCH	VN	-30	-9.17	-0.00482	PASS	
				-20	-3.18	-0.00167	PASS	
				-10	-6.25	-0.00329	PASS	
				0	-0.09	-0.00005	PASS	
				10	-5.24	-0.00275	PASS	
				20	-7.61	-0.004	PASS	
		30	-5.25	-0.00276	PASS			
		40	-4.88	-0.00257	PASS			
		50	-6.88	-0.00362	PASS			
		20	LCH	VN	-30	6.58	0.00354	PASS
					-20	-6.29	-0.00338	PASS
					-10	8.8	0.00473	PASS
					0	6.59	0.00354	PASS
					10	-10.49	-0.00564	PASS
					20	-8.35	-0.00449	PASS
					30	0.19	0.0001	PASS
					40	-4.02	-0.00216	PASS
		50	-2.85	-0.00153	PASS			

			MCH	VN	-30	4.51	0.00240	PASS
					-20	-13.98	-0.00744	PASS
					-10	-9.47	-0.00504	PASS
					0	-8.18	-0.00435	PASS
					10	-0.43	-0.00023	PASS
					20	-5.41	-0.00288	PASS
					30	0.62	0.00033	PASS
					40	-8.4	-0.00447	PASS
					50	-6.62	-0.00352	PASS
			HCH	VN	-30	-5.48	-0.00288	PASS
					-20	0.53	0.00028	PASS
					-10	-1.27	-0.00067	PASS
					0	-1.06	-0.00056	PASS
					10	-2.93	-0.00154	PASS
					20	-2.09	-0.0011	PASS
					30	-2.5	-0.00132	PASS
					40	-1.13	-0.00059	PASS
					50	1.39	0.00073	PASS
BAND4	LTE/TM1	1.4	LCH	VN	-30	-9.74	-0.00569	PASS
					-20	-9.7	-0.00567	PASS
					-10	-9.51	-0.00556	PASS
					0	-7.85	-0.00459	PASS
					10	-5.61	-0.00328	PASS
					20	-2	-0.00117	PASS
					30	-9.24	-0.0054	PASS
					40	-13.4	-0.00783	PASS
					50	-4.39	-0.00257	PASS
			MCH	VN	-30	1.04	0.0006	PASS
					-20	-8.37	-0.00483	PASS
					-10	-3.73	-0.00215	PASS
					0	-7.67	-0.00443	PASS
					10	0.63	0.00036	PASS
					20	-3.68	-0.00212	PASS
					30	-4.55	-0.00263	PASS
					40	-4.45	-0.00257	PASS
					50	-1.56	-0.0009	PASS
HCH	VN	-30	-5.34	-0.00304	PASS			
		-20	-14.63	-0.00834	PASS			
		-10	-7.18	-0.00409	PASS			
		0	-20.61	-0.01175	PASS			
		10	-6.25	-0.00356	PASS			

		3	LCH	VN	20	-9.86	-0.00562	PASS
					30	-9.26	-0.00528	PASS
					40	-11.24	-0.00641	PASS
					50	-4.61	-0.00263	PASS
					-30	-0.62	-0.00036	PASS
					-20	0.09	0.00005	PASS
			-10	-8.08	-0.00472	PASS		
			0	-1.29	-0.00075	PASS		
			10	-0.83	-0.00048	PASS		
			20	-0.82	-0.00048	PASS		
			30	-0.97	-0.00057	PASS		
			40	1.04	0.00061	PASS		
		50	-1.89	-0.0011	PASS			
		MCH	VN	-30	0.31	0.00018	PASS	
				-20	2.09	0.00121	PASS	
				-10	1.59	0.00092	PASS	
				0	1.72	0.00099	PASS	
				10	-2.05	-0.00118	PASS	
				20	1.2	0.00069	PASS	
				30	0.77	0.00044	PASS	
				40	-0.66	-0.00038	PASS	
		50	-1.73	-0.001	PASS			
		HCH	VN	-30	-9.13	-0.00521	PASS	
				-20	-2.16	-0.00123	PASS	
				-10	0.4	0.00023	PASS	
				0	1.06	0.0006	PASS	
				10	-0.1	-0.00006	PASS	
				20	-1.69	-0.00096	PASS	
				30	-3.55	-0.00202	PASS	
				40	-2.68	-0.00153	PASS	
		50	-9.5	-0.00542	PASS			
		5	LCH	VN	-30	-0.66	-0.00039	PASS
					-20	-0.73	-0.00043	PASS
					-10	-0.43	-0.00025	PASS
					0	-2.56	-0.00149	PASS
					10	0.37	0.00022	PASS
20	0.54				0.00032	PASS		
30	1.23				0.00072	PASS		
40	1.86				0.00109	PASS		
50	-0.03				-0.00002	PASS		
MCH	VN		-30	3.66	0.00211	PASS		



					-20	0.63	0.00036	PASS
					-10	1.46	0.00084	PASS
					0	-0.11	-0.00006	PASS
					10	0.64	0.00037	PASS
					20	2.05	0.00118	PASS
					30	1.66	0.00096	PASS
					40	0.01	0.00001	PASS
					50	0.13	0.00008	PASS
			HCH	VN	-30	-0.39	-0.00022	PASS
			HCH	VN	-20	-2.1	-0.0012	PASS
			HCH	VN	-10	-2.62	-0.0015	PASS
			HCH	VN	0	-2.05	-0.00117	PASS
			HCH	VN	10	-1.87	-0.00107	PASS
			HCH	VN	20	-3.18	-0.00181	PASS
			HCH	VN	30	-0.47	-0.00027	PASS
			HCH	VN	40	-1.85	-0.00106	PASS
			HCH	VN	50	-1.03	-0.00059	PASS
			LCH	VN	-30	-2.8	-0.00163	PASS
			LCH	VN	-20	-0.34	-0.0002	PASS
			LCH	VN	-10	-2.82	-0.00164	PASS
			LCH	VN	0	-0.33	-0.00019	PASS
			LCH	VN	10	-3.79	-0.00221	PASS
			LCH	VN	20	2.29	0.00134	PASS
			LCH	VN	30	-4.56	-0.00266	PASS
			LCH	VN	40	0.23	0.00013	PASS
			LCH	VN	50	-2.45	-0.00143	PASS
			MCH	VN	-30	0.23	0.00013	PASS
			MCH	VN	-20	-0.67	-0.00039	PASS
			MCH	VN	-10	-1.67	-0.00096	PASS
			MCH	VN	0	1.37	0.00079	PASS
			MCH	VN	10	0.69	0.0004	PASS
			MCH	VN	20	-0.46	-0.00027	PASS
			MCH	VN	30	-0.7	-0.0004	PASS
			MCH	VN	40	-1.93	-0.00111	PASS
			MCH	VN	50	-1.53	-0.00088	PASS
			HCH	VN	-30	-3.23	-0.00185	PASS
			HCH	VN	-20	-2.89	-0.00165	PASS
			HCH	VN	-10	-1.23	-0.0007	PASS
			HCH	VN	0	0.87	0.0005	PASS
			HCH	VN	10	-0.72	-0.00041	PASS
			HCH	VN	20	1.27	0.00073	PASS

		15	LCH	VN	30	0.27	0.00015	PASS	
					40	-2.79	-0.00159	PASS	
					50	1.95	0.00111	PASS	
					-30	1.24	0.00072	PASS	
					-20	-2.1	-0.00122	PASS	
					-10	-2.26	-0.00132	PASS	
			0	0.47	0.00027	PASS			
			10	-0.87	-0.00051	PASS			
			20	1.06	0.00062	PASS			
			30	-2.25	-0.00131	PASS			
			40	-1.56	-0.00091	PASS			
			50	1	0.00058	PASS			
		MCH	VN	-30	-0.24	-0.00014	PASS		
				-20	0.69	0.0004	PASS		
				-10	0.73	0.00042	PASS		
				0	-1.24	-0.00072	PASS		
				10	-0.14	-0.00008	PASS		
				20	0.47	0.00027	PASS		
				30	-0.87	-0.0005	PASS		
				40	0.26	0.00015	PASS		
				50	-2.6	-0.0015	PASS		
				HCH	VN	-30	4.22	0.00241	PASS
						-20	-0.04	-0.00002	PASS
						-10	3.43	0.00196	PASS
		0	-3.13			-0.00179	PASS		
		10	-1.8			-0.00103	PASS		
		20	2.15			0.00123	PASS		
		30	1.96			0.00112	PASS		
		40	0.82			0.00047	PASS		
		50	-1.46			-0.00084	PASS		
		20	LCH	VN	-30	-0.53	-0.00031	PASS	
					-20	0.11	0.00006	PASS	
					-10	-1.42	-0.00083	PASS	
					0	-2.95	-0.00172	PASS	
					10	-0.14	-0.00008	PASS	
					20	-0.31	-0.00018	PASS	
30	-4.26				-0.00248	PASS			
40	-1.03				-0.0006	PASS			
50	-0.39				-0.00023	PASS			
MCH	VN		-30	-2.47	-0.00143	PASS			
			-20	-2.59	-0.00149	PASS			

					-10	-2.1	-0.00121	PASS
					0	-2.86	-0.00165	PASS
					10	-2.69	-0.00155	PASS
					20	0.39	0.00023	PASS
					30	-3.98	-0.0023	PASS
					40	-0.23	-0.00013	PASS
					50	-2.05	-0.00118	PASS
			HCH	VN	-30	-2.35	-0.00135	PASS
					-20	-2.99	-0.00171	PASS
					-10	-3.26	-0.00187	PASS
					0	-1.56	-0.00089	PASS
					10	-1.04	-0.0006	PASS
					20	-1.19	-0.00068	PASS
					30	-2.72	-0.00156	PASS
					40	-2.83	-0.00162	PASS
	LCH	VN	-30	-6.74	-0.00394	PASS		
			-20	0.36	0.00021	PASS		
			-10	-3.91	-0.00229	PASS		
			0	-7.32	-0.00428	PASS		
			10	-15.64	-0.00914	PASS		
			20	-6.78	-0.00396	PASS		
			30	-5.98	-0.0035	PASS		
			40	-1.3	-0.00076	PASS		
			50	-10.2	-0.00596	PASS		
			MCH	VN	-30	-5.32	-0.00307	PASS
					-20	-8.64	-0.00499	PASS
					-10	-5.94	-0.00343	PASS
					0	0.87	0.0005	PASS
					10	-7.67	-0.00443	PASS
					20	2.39	0.00138	PASS
30	0.17	0.0001			PASS			
40	-4.33	-0.0025			PASS			
HCH	VN	-30	-11.67	-0.00665	PASS			
		-20	-5.74	-0.00327	PASS			
		-10	-8.7	-0.00496	PASS			
		0	-10.69	-0.00609	PASS			
		10	-13.13	-0.00748	PASS			
		20	0.83	0.00047	PASS			
		30	-5.74	-0.00327	PASS			



		3	LCH	VN	40	-13.09	-0.00746	PASS			
					50	-6.38	-0.00364	PASS			
					-30	-1.79	-0.00105	PASS			
					-20	0.43	0.00025	PASS			
					-10	-2.1	-0.00123	PASS			
					0	1.17	0.00068	PASS			
					10	1.03	0.0006	PASS			
					20	-0.07	-0.00004	PASS			
					30	3.02	0.00176	PASS			
					40	0.72	0.00042	PASS			
					50	-2.19	-0.00128	PASS			
		3	MCH	VN	-30	-2.56	-0.00148	PASS			
					-20	-6.94	-0.00401	PASS			
					-10	-0.01	-0.00001	PASS			
					0	-0.83	-0.00048	PASS			
					10	0.17	0.0001	PASS			
					20	-2.25	-0.0013	PASS			
					30	-1.57	-0.00091	PASS			
					40	0.76	0.00044	PASS			
					50	-3.49	-0.00201	PASS			
					3	HCH	VN	-30	-0.2	-0.00011	PASS
								-20	3.19	0.00182	PASS
		-10	-2.12	-0.00121				PASS			
		0	-0.43	-0.00025				PASS			
		10	2.17	0.00124				PASS			
		20	-5.74	-0.00327				PASS			
		30	-0.31	-0.00018				PASS			
		40	-0.37	-0.00021				PASS			
		50	-0.2	-0.00011				PASS			
		5	LCH	VN				-30	0.36	0.00021	PASS
								-20	-1.7	-0.00099	PASS
					-10	1.13	0.00066	PASS			
					0	0.99	0.00058	PASS			
10	-0.07				-0.00004	PASS					
20	0.92				0.00054	PASS					
30	-1.92				-0.00112	PASS					
40	-0.83				-0.00048	PASS					
50	2				0.00117	PASS					
5	MCH				VN	-30	-0.43	-0.00025	PASS		
						-20	2.03	0.00117	PASS		
		-10	0.19	0.00011		PASS					



				0	-2.47	-0.00143	PASS		
				10	-0.03	-0.00002	PASS		
				20	0.06	0.00003	PASS		
				30	1.02	0.00059	PASS		
				40	-2.06	-0.00119	PASS		
				50	-0.67	-0.00039	PASS		
				HCH	VN	-30	0.46	0.00026	PASS
						-20	1.67	0.00095	PASS
						-10	-0.44	-0.00025	PASS
						0	-1.69	-0.00096	PASS
						10	-0.57	-0.00033	PASS
						20	-2.73	-0.00156	PASS
						30	-1.89	-0.00108	PASS
						40	-0.8	-0.00046	PASS
						50	-0.89	-0.00051	PASS
		LCH	VN			-30	-2.68	-0.00156	PASS
				-20	-1.42	-0.00083	PASS		
				-10	-4.43	-0.00258	PASS		
				0	-4.35	-0.00254	PASS		
				10	-3.76	-0.00219	PASS		
				20	-2.79	-0.00163	PASS		
				30	-4.36	-0.00254	PASS		
				40	-6.55	-0.00382	PASS		
				50	-3.23	-0.00188	PASS		
				MCH	VN	-30	-1.89	-0.00109	PASS
						-20	-1.82	-0.00105	PASS
						-10	-2.65	-0.00153	PASS
						0	-0.66	-0.00038	PASS
						10	-1.03	-0.00059	PASS
						20	-0.9	-0.00052	PASS
		30	-1.02			-0.00059	PASS		
		40	-1.54			-0.00089	PASS		
		50	-2.12			-0.00122	PASS		
		HCH	VN			-30	2.76	0.00158	PASS
				-20	-3.25	-0.00186	PASS		
				-10	-1.83	-0.00105	PASS		
				0	1.12	0.00064	PASS		
				10	0.43	0.00025	PASS		
				20	-3.08	-0.00176	PASS		
				30	-2.73	-0.00156	PASS		
40	0.09			0.00005	PASS				

		15	LCH	VN	50	-3	-0.00171	PASS
					-30	-1.66	-0.00097	PASS
					-20	0.83	0.00048	PASS
					-10	1.09	0.00063	PASS
					0	0.51	0.0003	PASS
					10	-0.77	-0.00045	PASS
					20	-0.6	-0.00035	PASS
					30	0.79	0.00046	PASS
					40	-1.03	-0.0006	PASS
			50	-1.56	-0.00091	PASS		
			MCH	VN	-30	2.49	0.00144	PASS
					-20	0.15	0.00009	PASS
					-10	-3.33	-0.00192	PASS
					0	-0.47	-0.00027	PASS
					10	-0.64	-0.00037	PASS
					20	1.23	0.00071	PASS
					30	1	0.00058	PASS
					40	-0.07	-0.00004	PASS
		50			2.17	0.00125	PASS	
		HCH	VN	-30	-1.95	-0.00112	PASS	
				-20	-0.97	-0.00056	PASS	
				-10	-1.36	-0.00078	PASS	
				0	-1.69	-0.00097	PASS	
				10	-1.72	-0.00098	PASS	
				20	-0.23	-0.00013	PASS	
				30	-1.52	-0.00087	PASS	
				40	-1.07	-0.00061	PASS	
				50	0.46	0.00026	PASS	
		20	LCH	VN	-30	-0.83	-0.00048	PASS
					-20	0.62	0.00036	PASS
					-10	-1.07	-0.00062	PASS
					0	-2.55	-0.00148	PASS
					10	0.06	0.00003	PASS
					20	-1.43	-0.00083	PASS
					30	-1.95	-0.00113	PASS
					40	-1.06	-0.00062	PASS
					50	-0.92	-0.00053	PASS
			MCH	VN	-30	1.49	0.00086	PASS
					-20	-3.63	-0.0021	PASS
					-10	-1.72	-0.00099	PASS
					0	-2.6	-0.0015	PASS