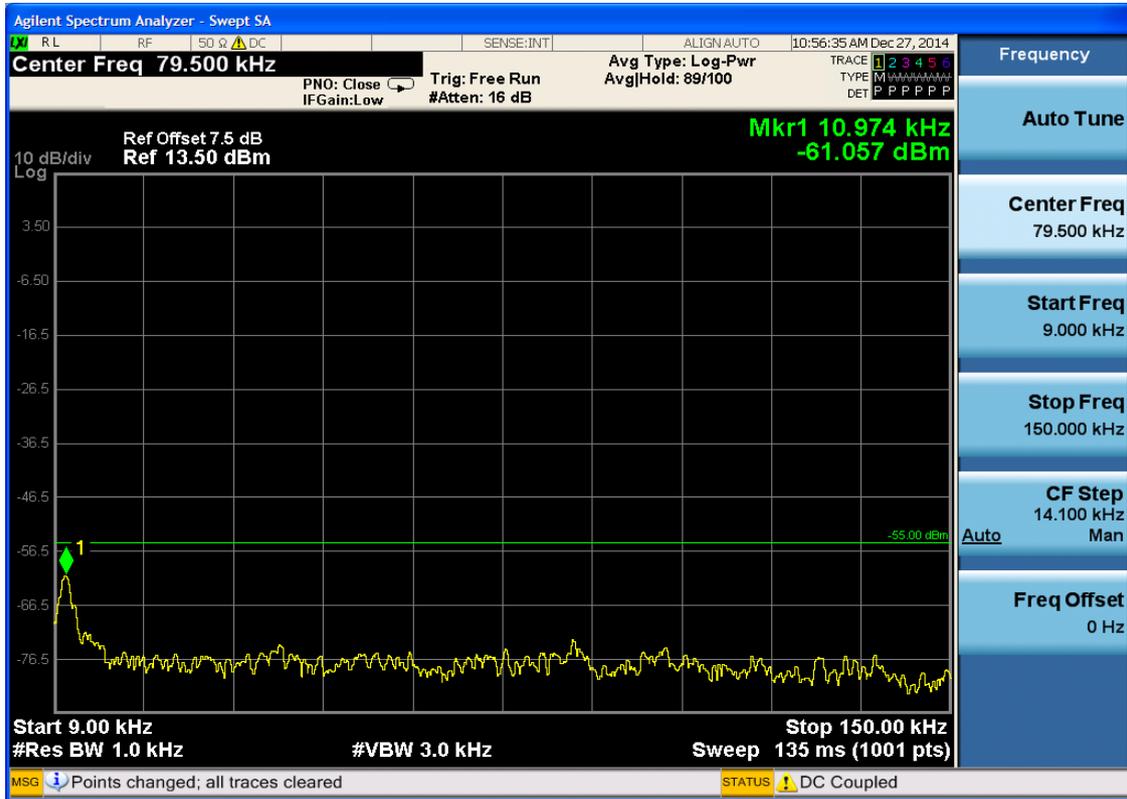


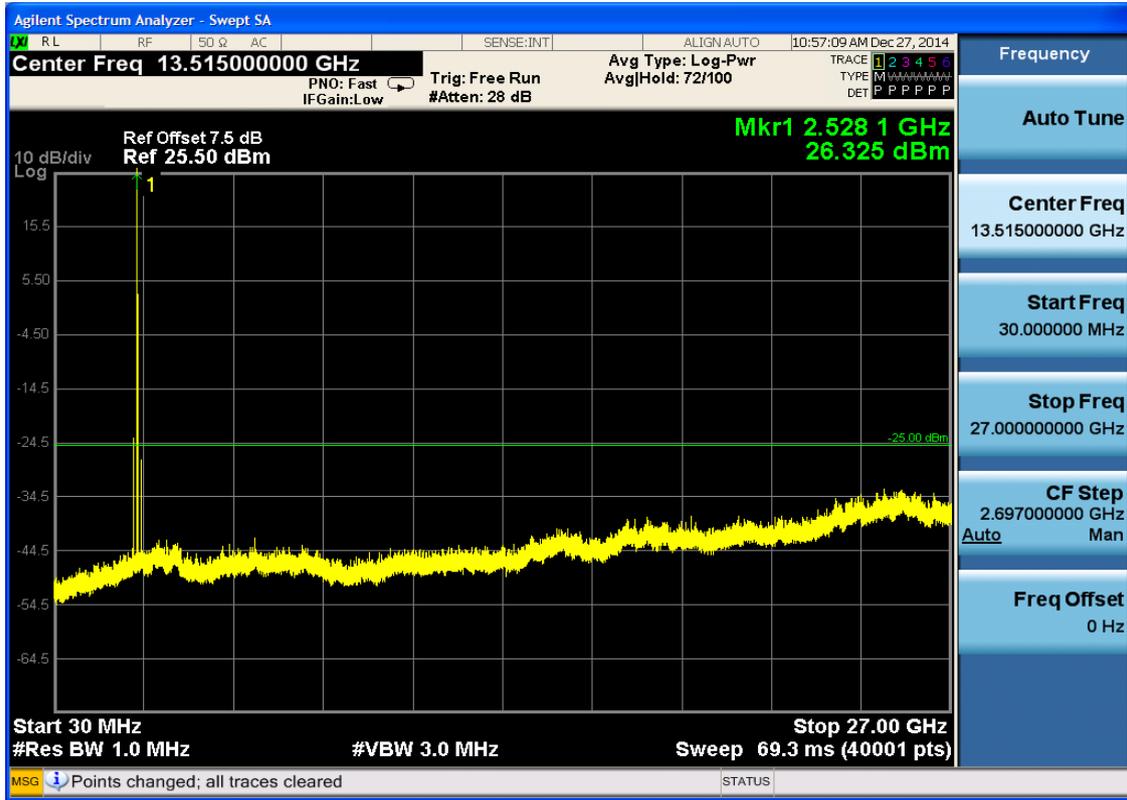


### 6.3.4.2.3.2 Test Channel = MCH

#### 6.3.4.2.3.2.1 Test RB = RB1#0



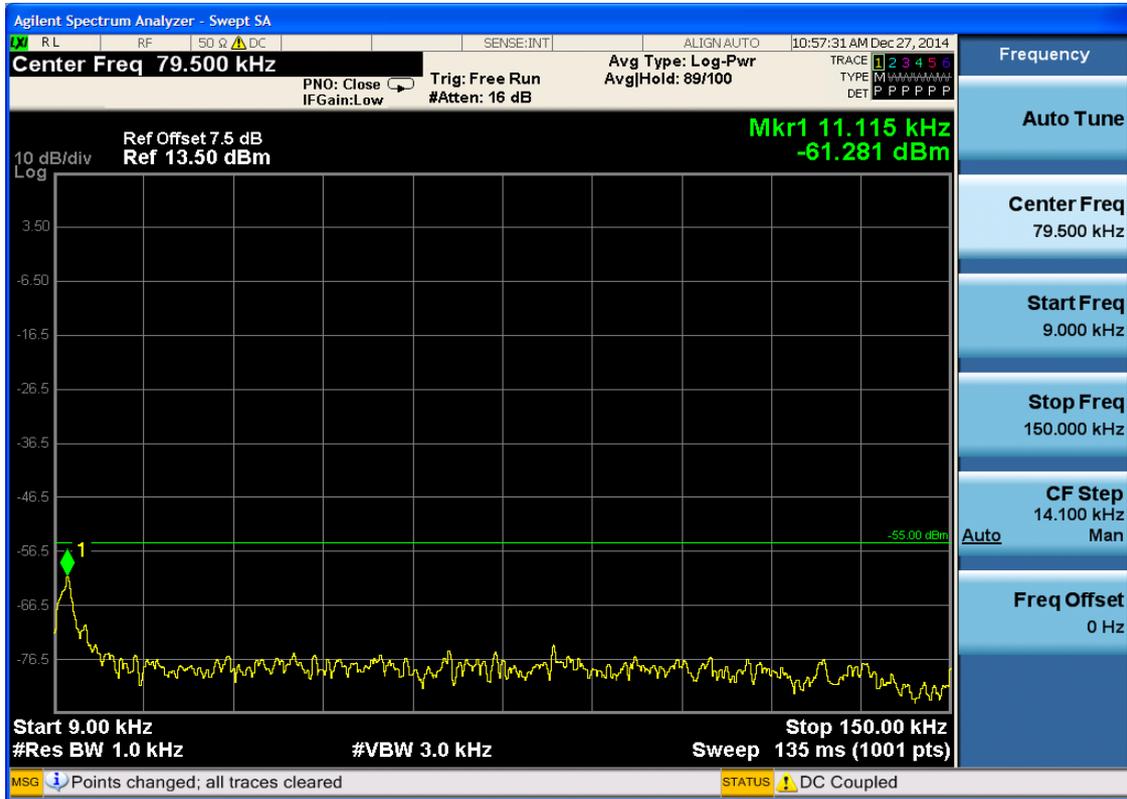




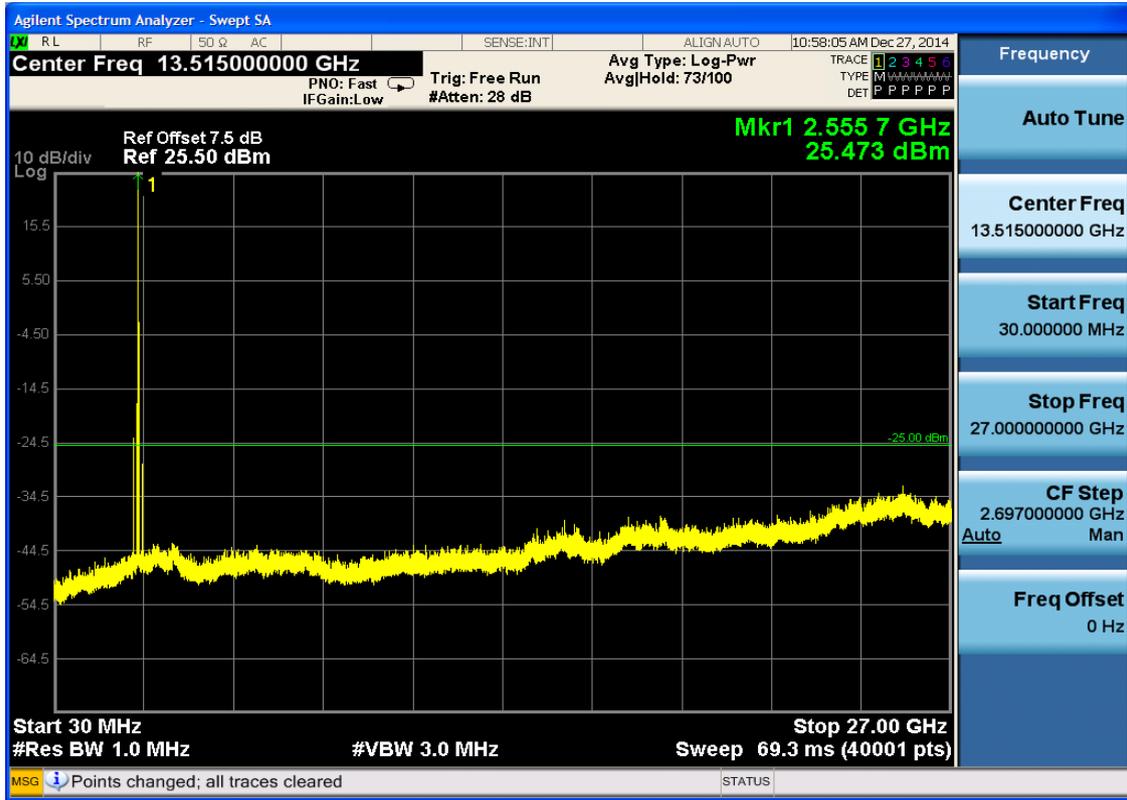


### 6.3.4.2.3.3 Test Channel = HCH

#### 6.3.4.2.3.3.1 Test RB = RB1#0





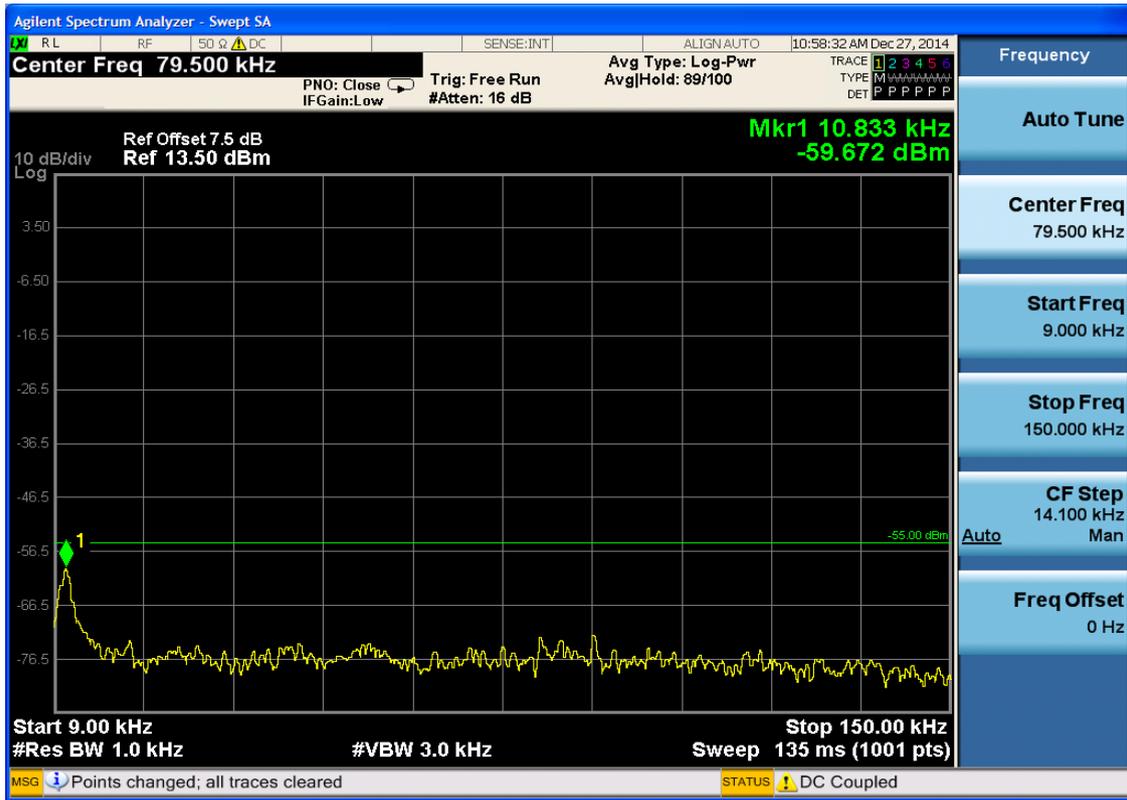




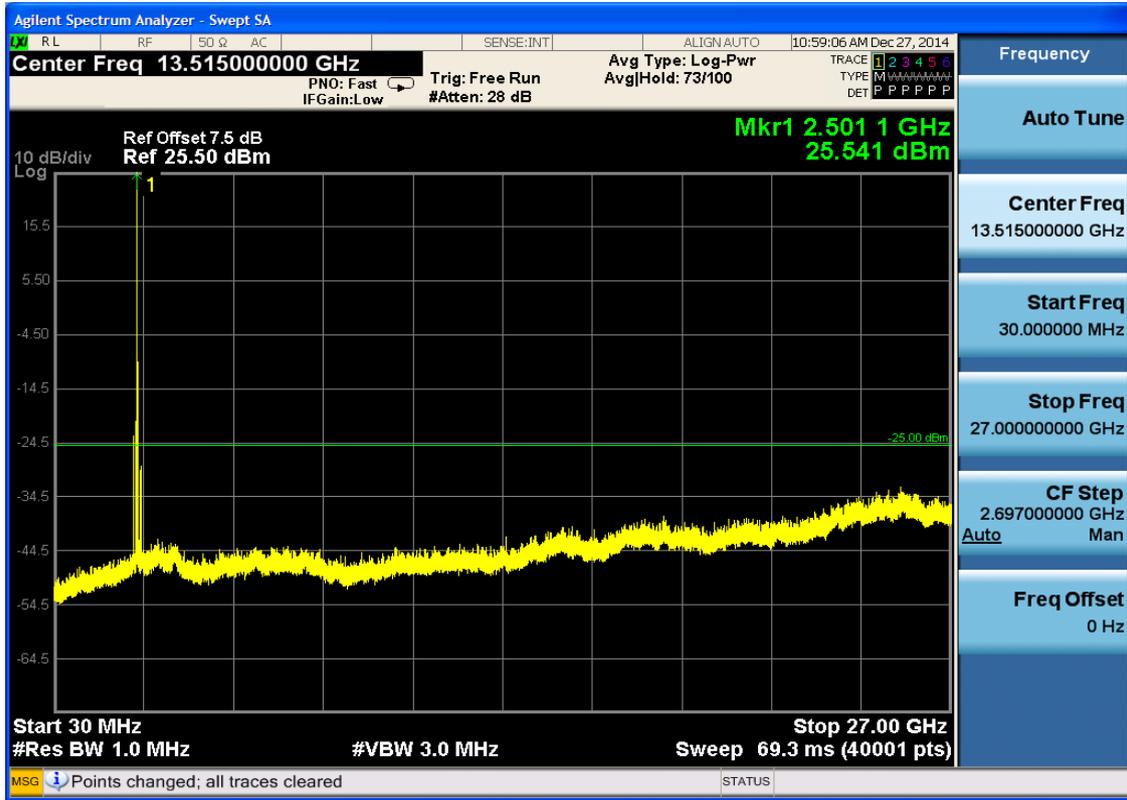
6.3.4.2.4 Test Bandwidth = 20

6.3.4.2.4.1 Test Channel = LCH

6.3.4.2.4.1.1 Test RB = RB1#0



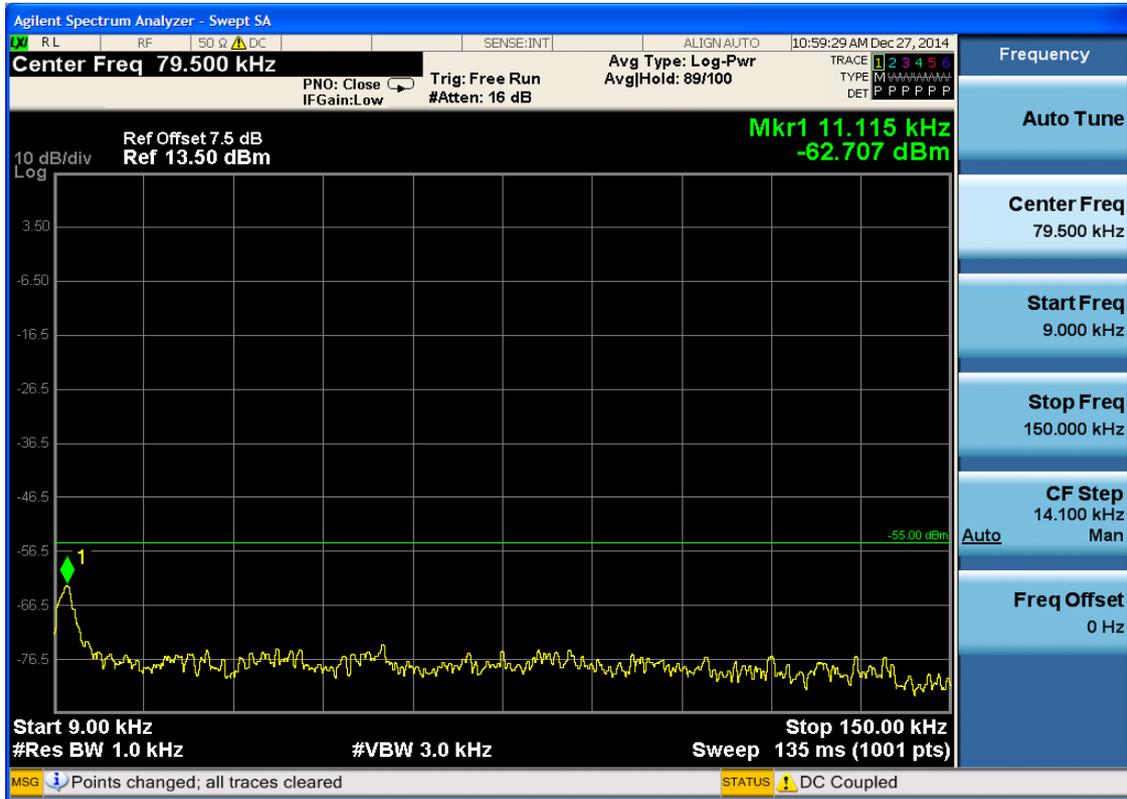


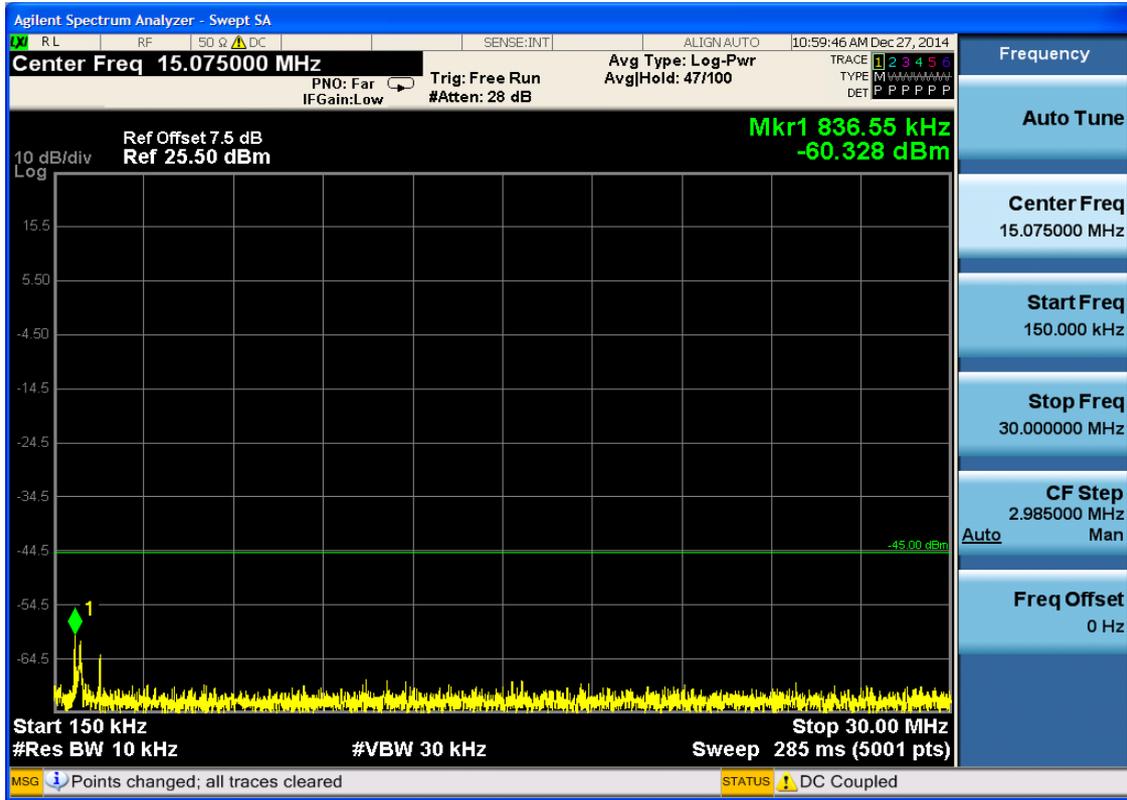


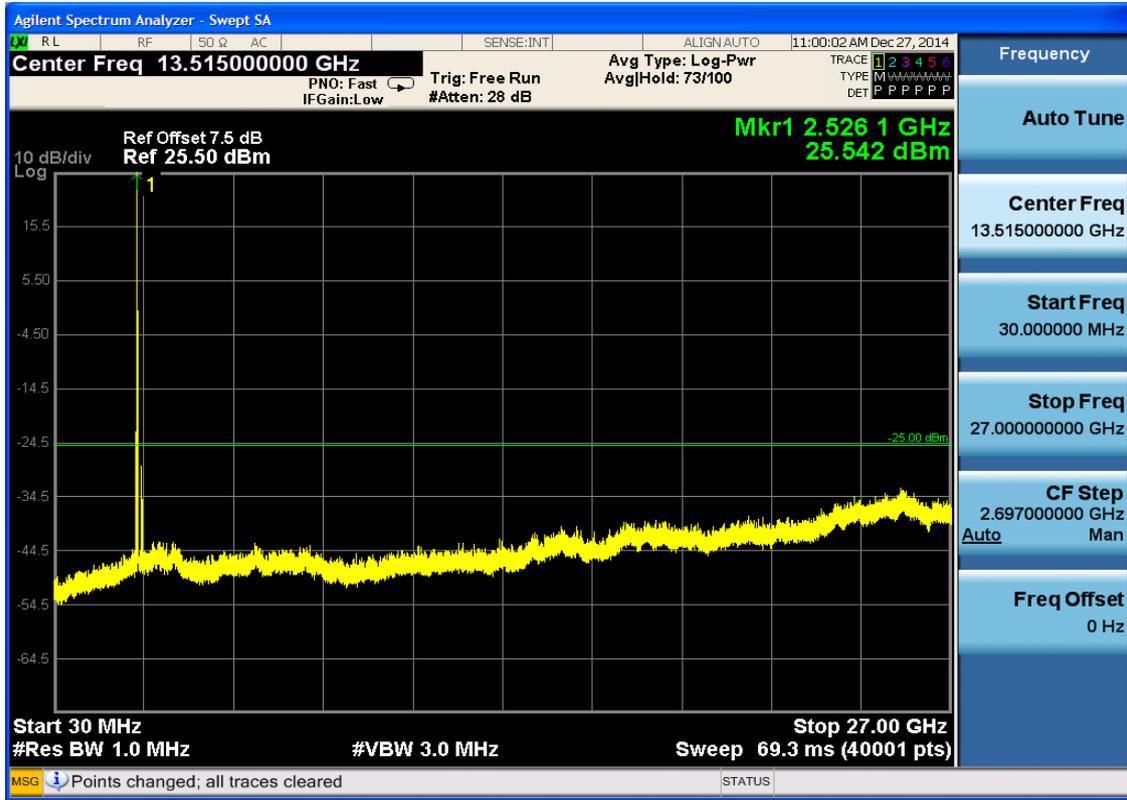


6.3.4.2.4.2 Test Channel = MCH

6.3.4.2.4.2.1 Test RB = RB1#0



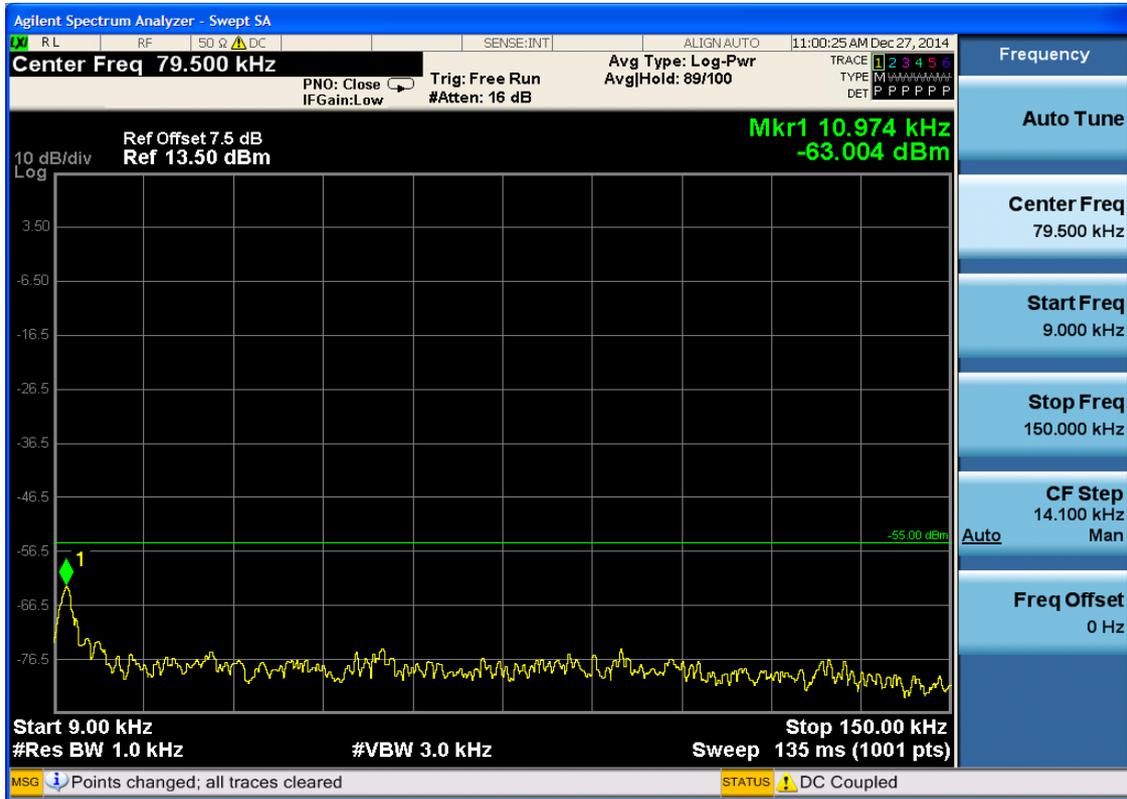




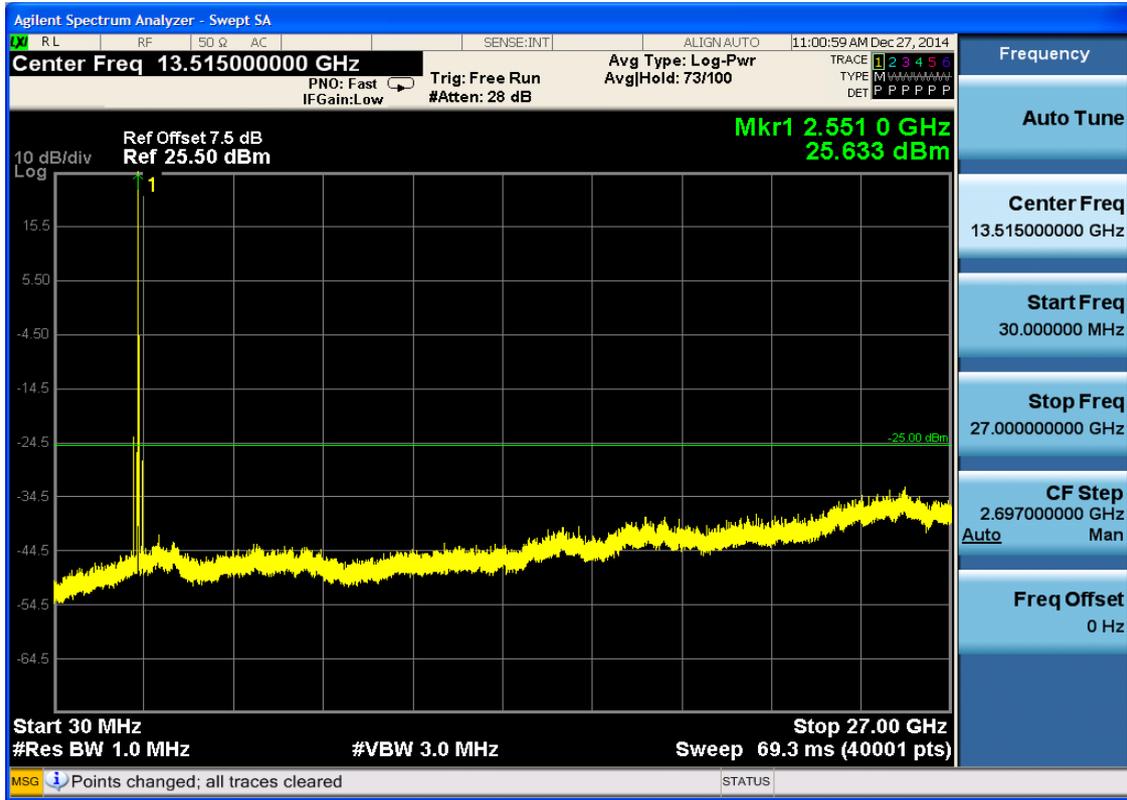


6.3.4.2.4.3 Test Channel = HCH

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

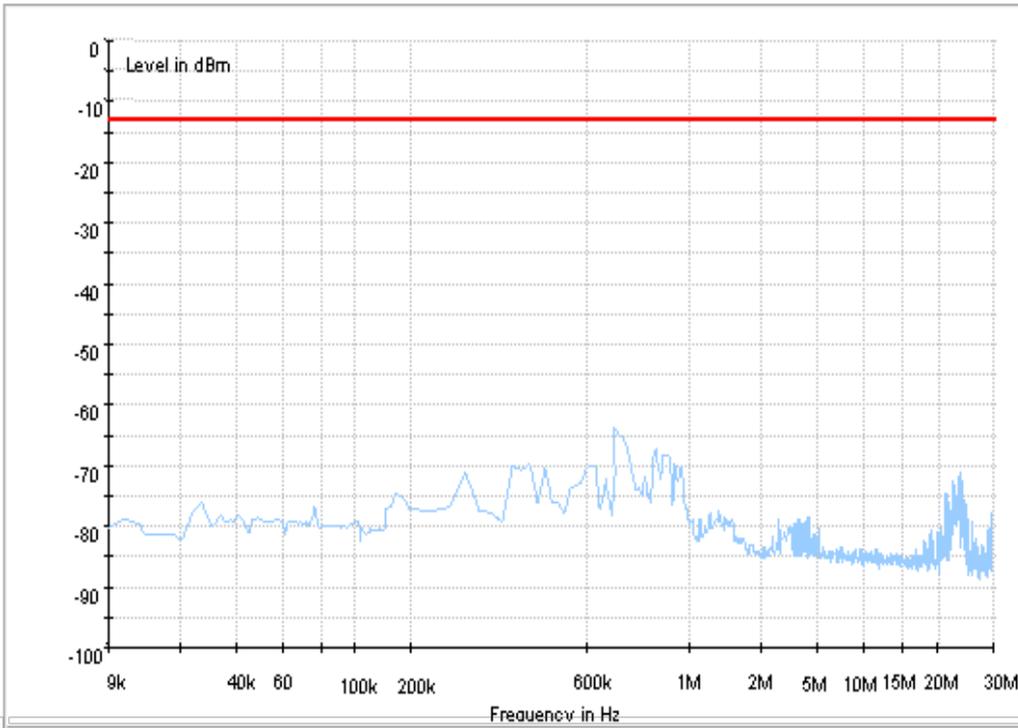
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### **Part I - Test Plots**

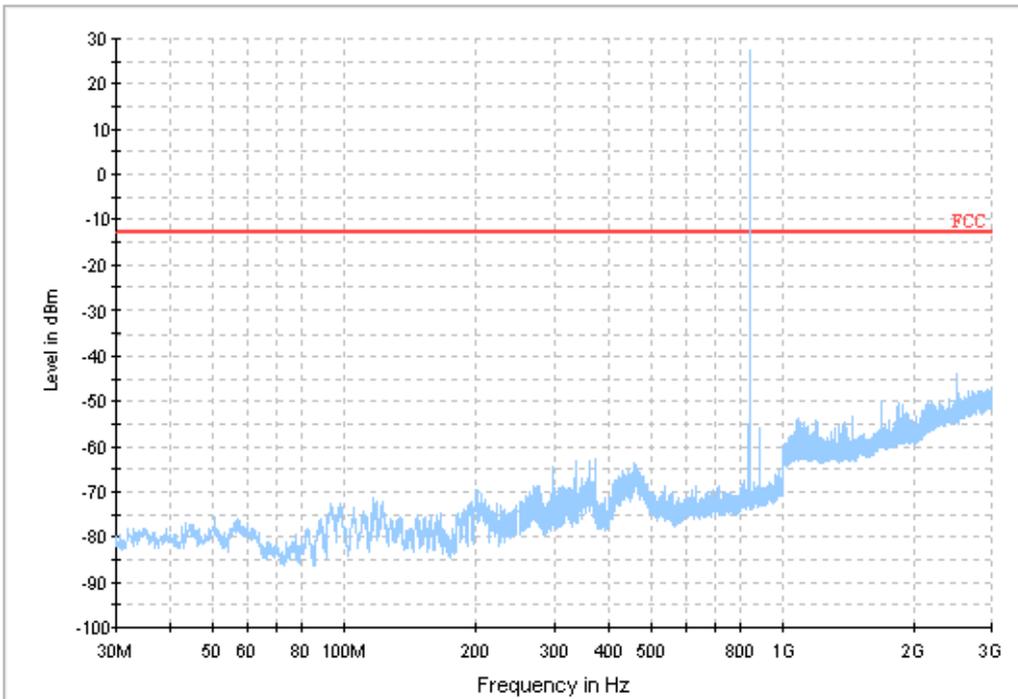
#### **7.1 For GSM**

##### **7.1.1 Test Band = GSM850**

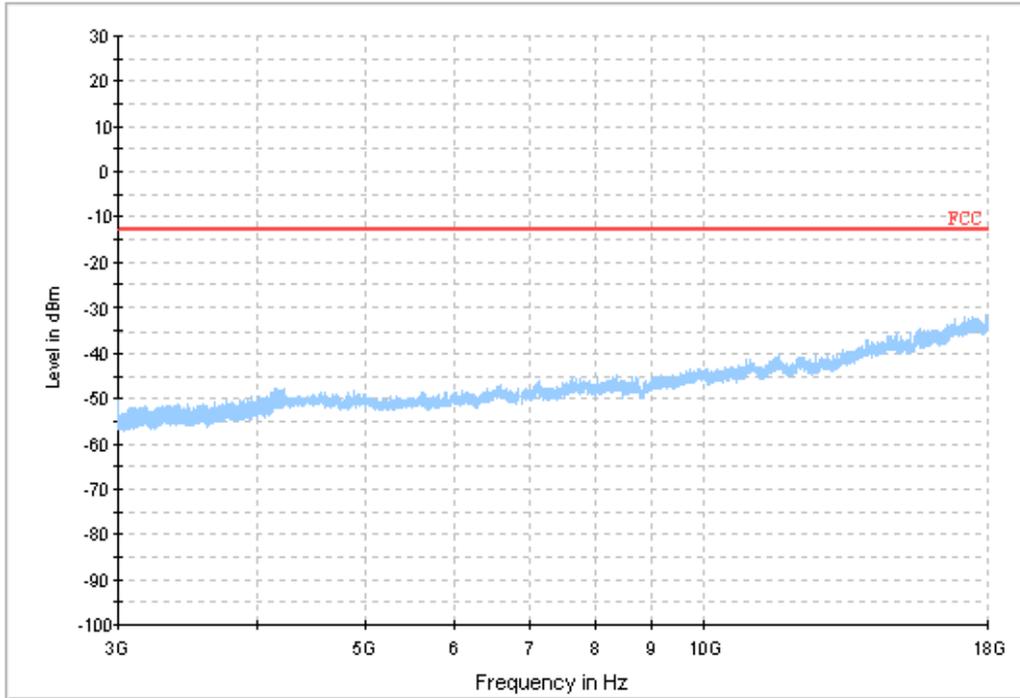
###### **7.1.1.1 Test Mode = GSM/TM1**



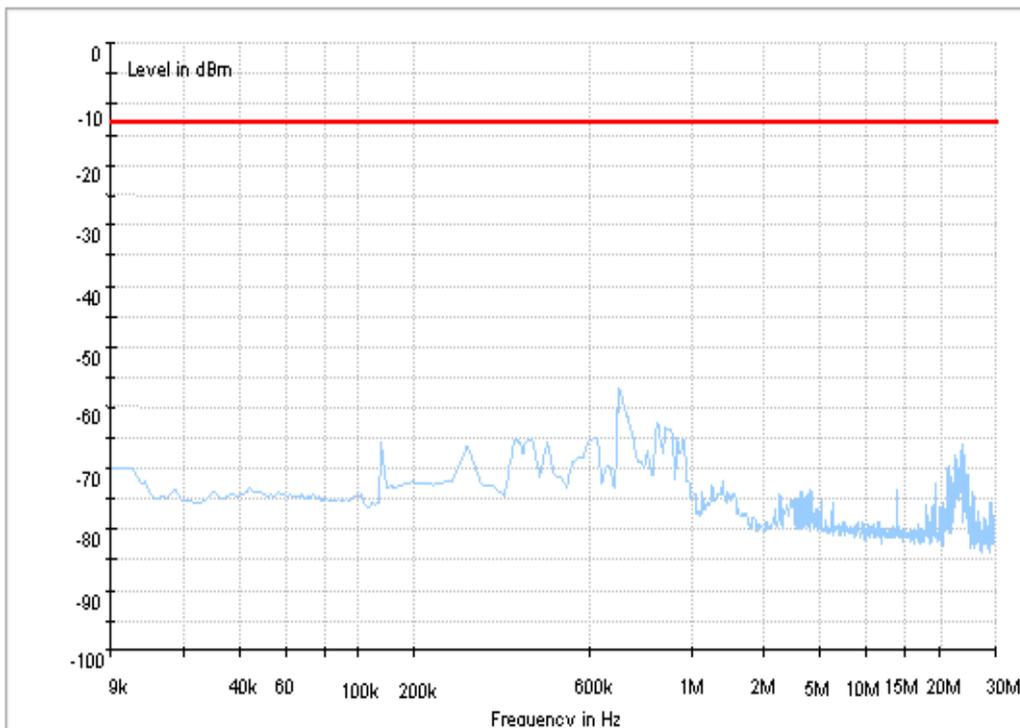
Copy of FCC PART22 GSM850\_L



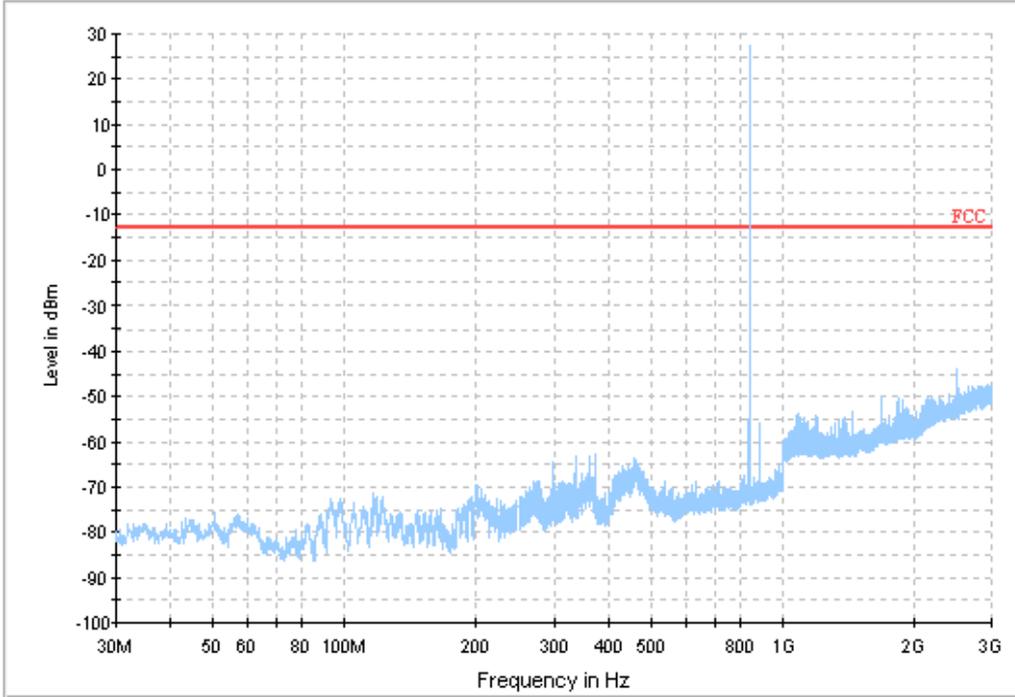
Copy of FCC PART22 GSM850\_H



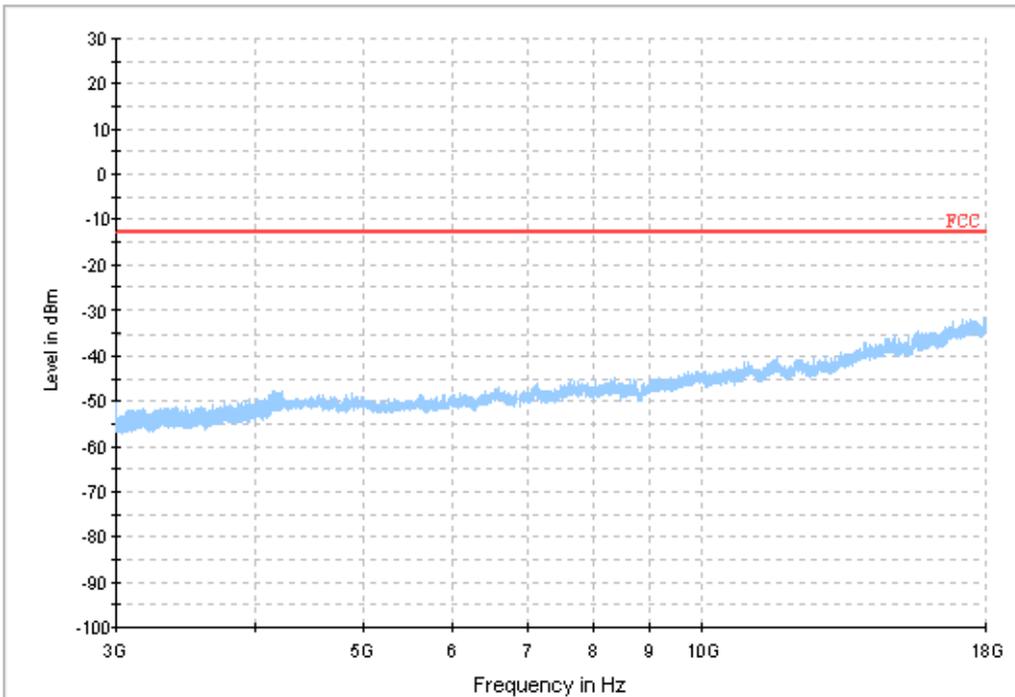
### 7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850\_L

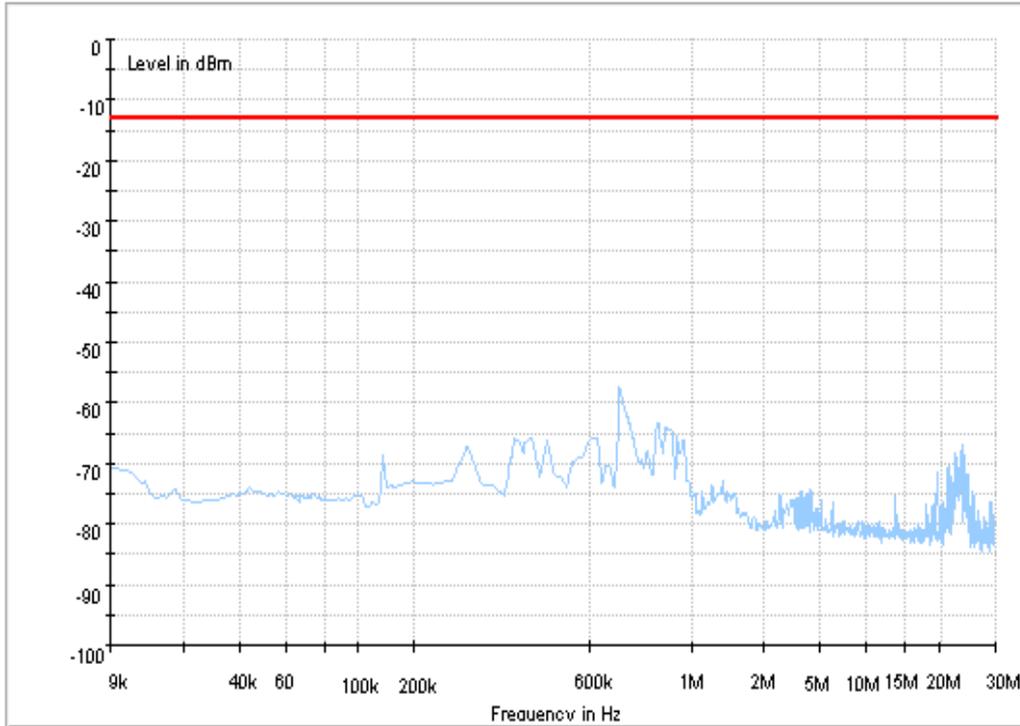


Copy of FCC PART22 GSM850\_H

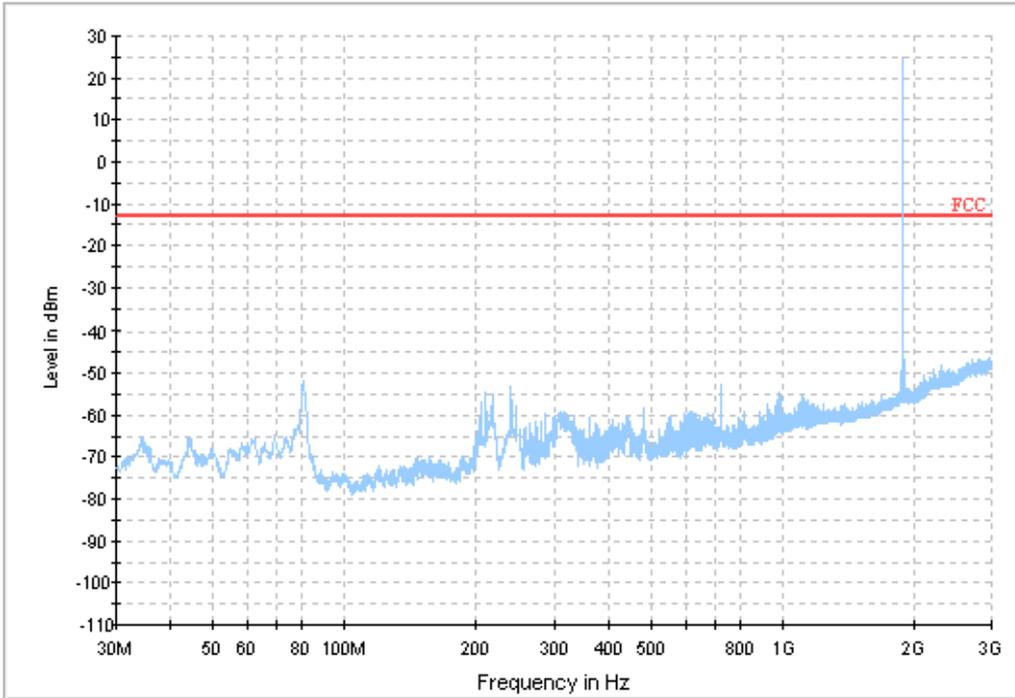


### 7.1.2 Test Band = GSM1900

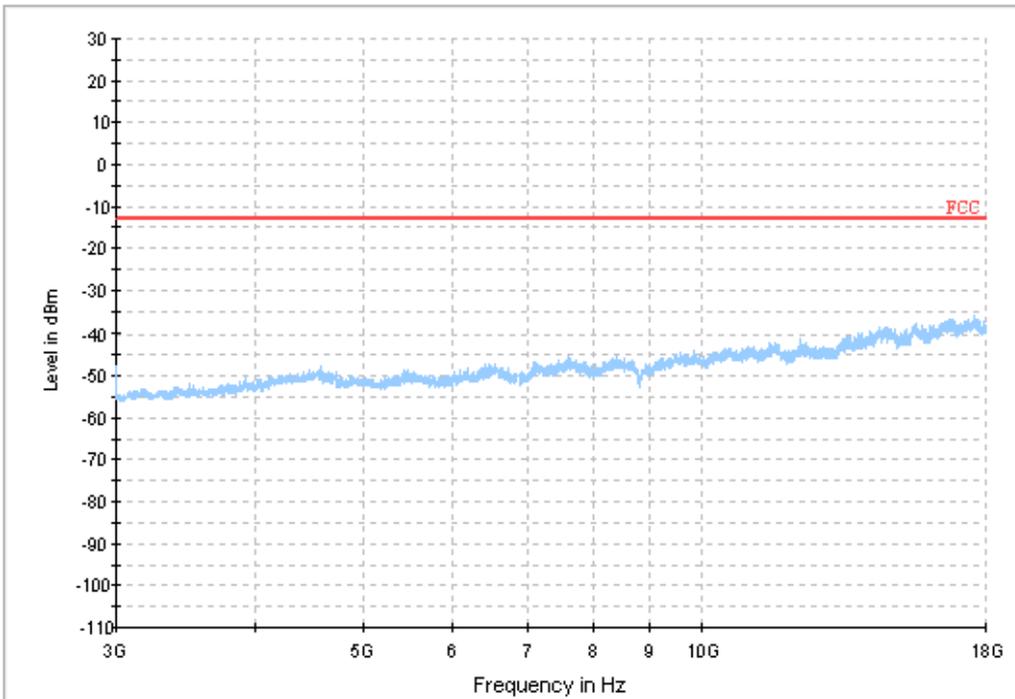
#### 7.1.2.1 Test Mode = GSM/TM1

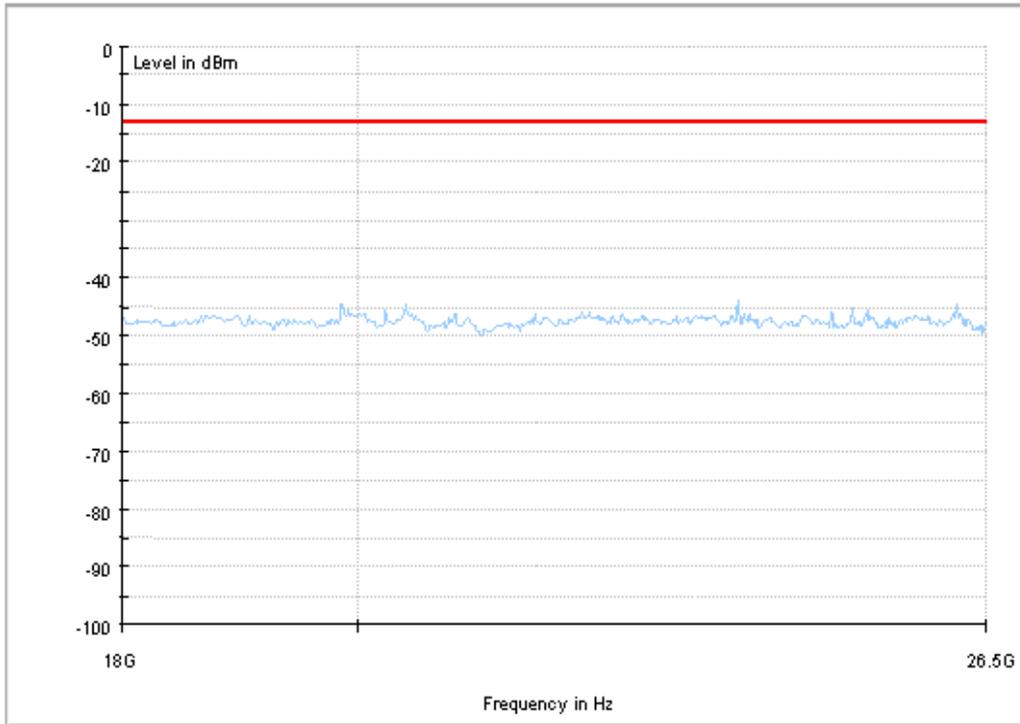


Copy of FCC PART24 GSM1900\_L

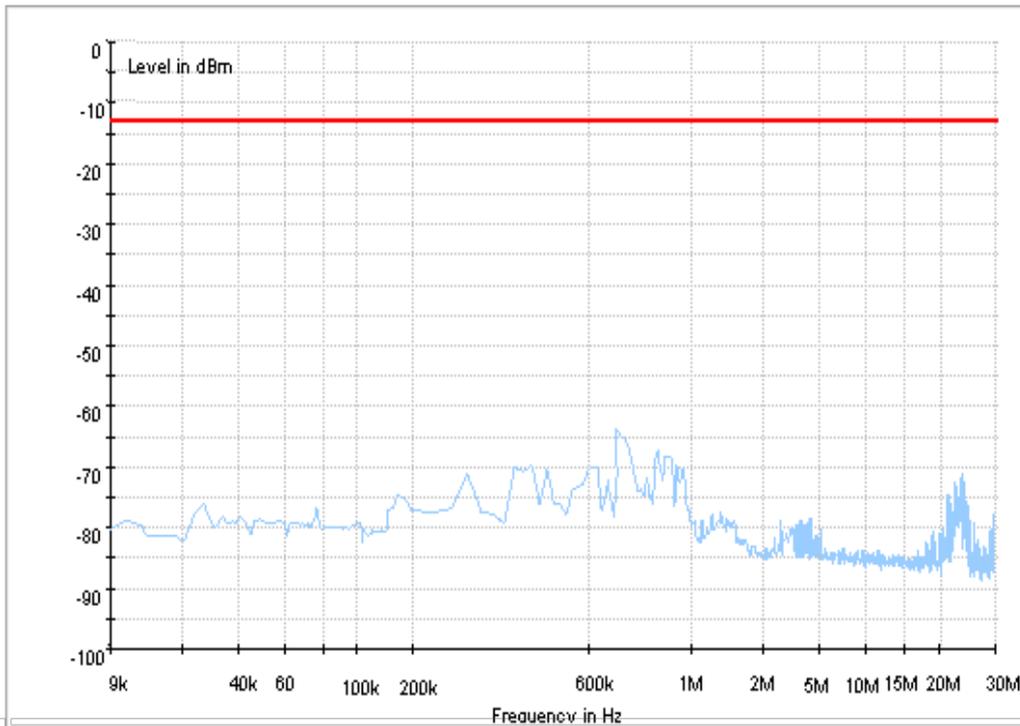


Copy of FCC PART24 GSM1900\_H

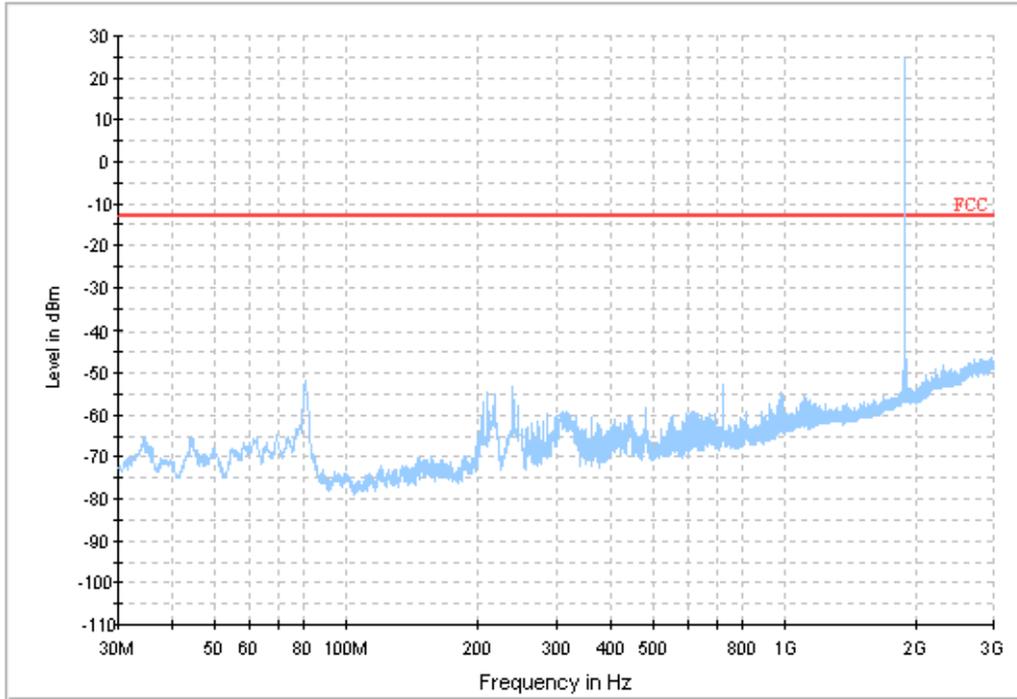




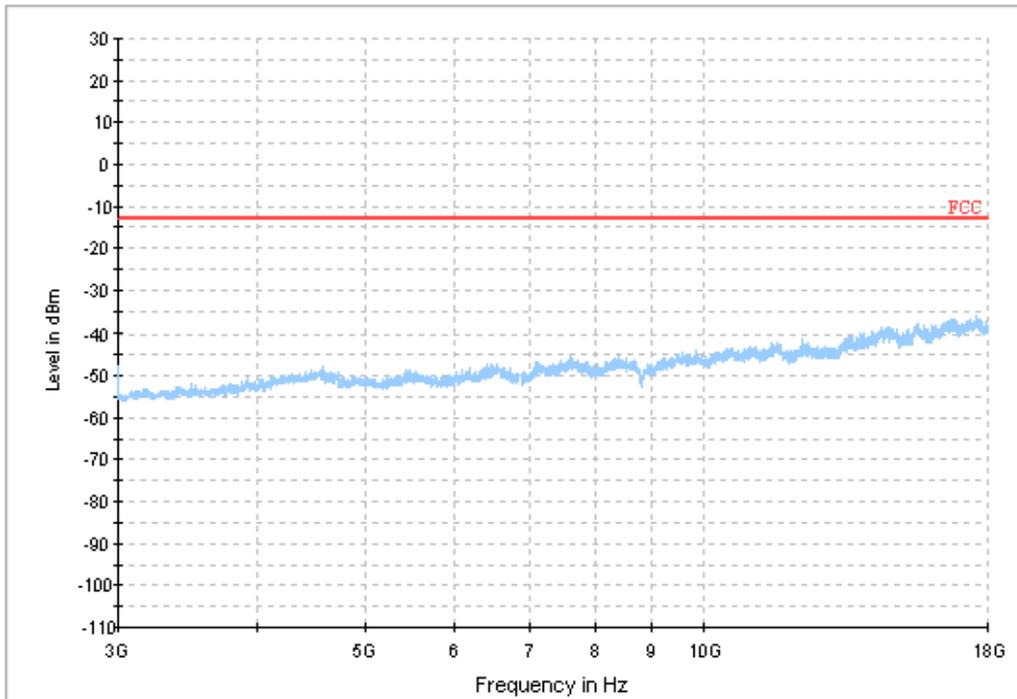
### 7.1.2.2 Test Mode = GSM/TM2

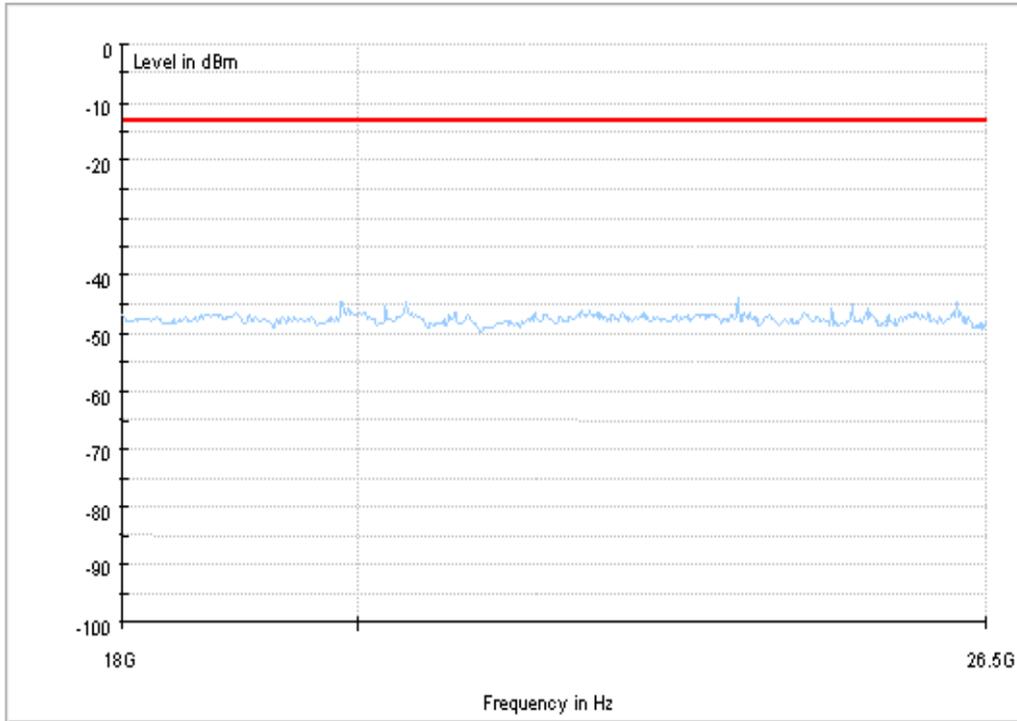


Copy of FCC PART24 GSM1900\_L



Copy of FCC PART24 GSM1900\_H

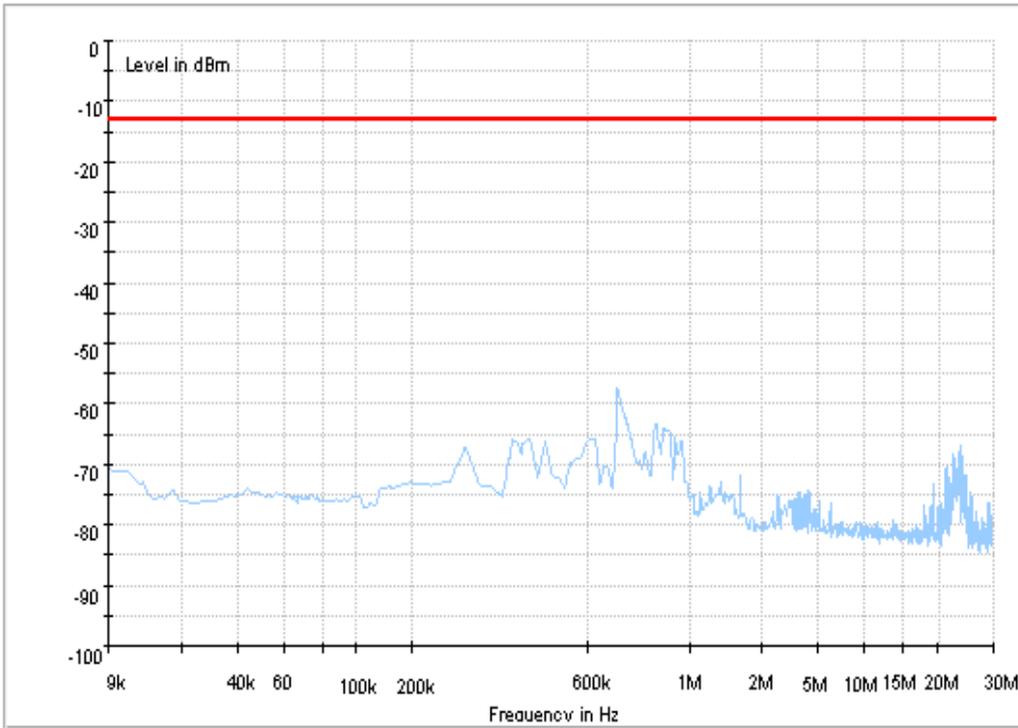




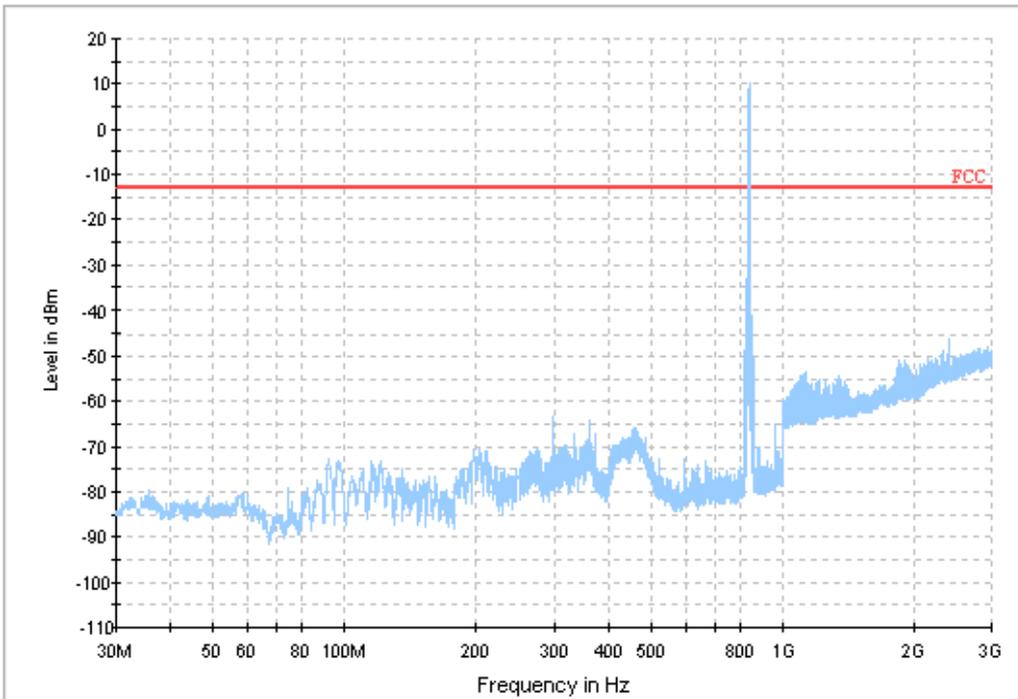
## 7.2 For UMTS

### 7.2.1 Test Band = WCDMA850

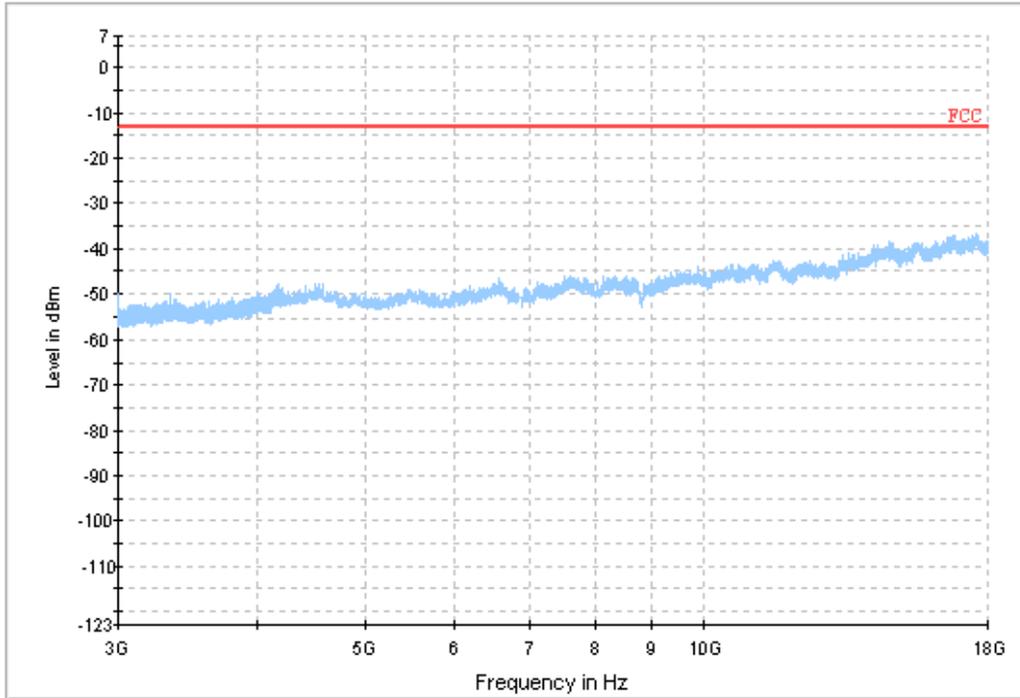
#### 7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850\_L

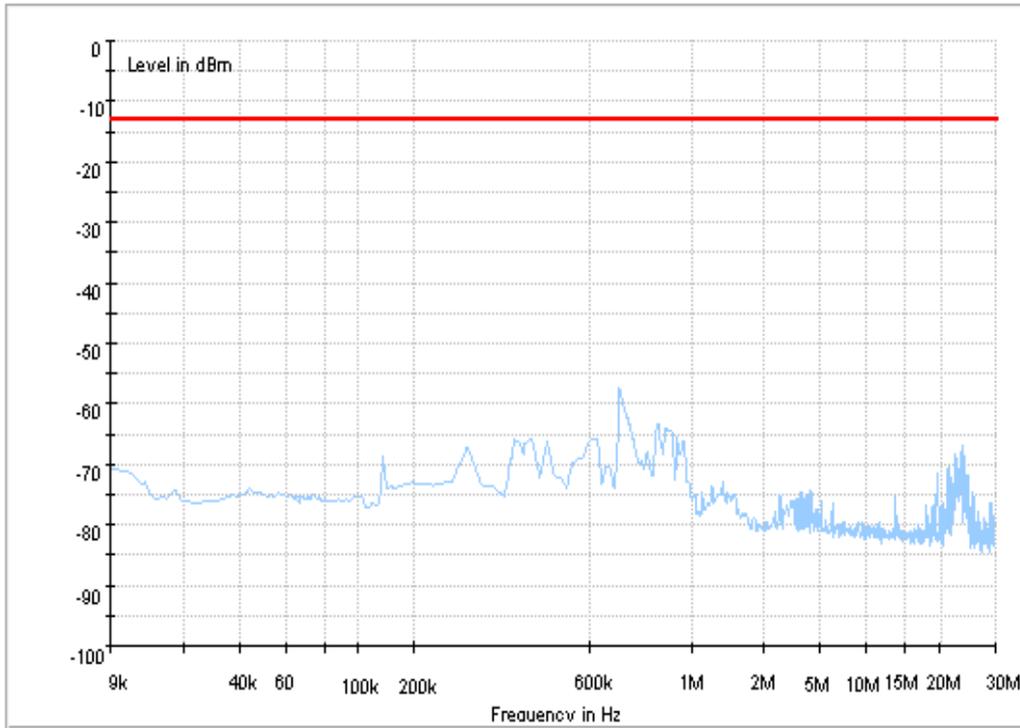


Copy of FCC PART22 WCDMA850\_H

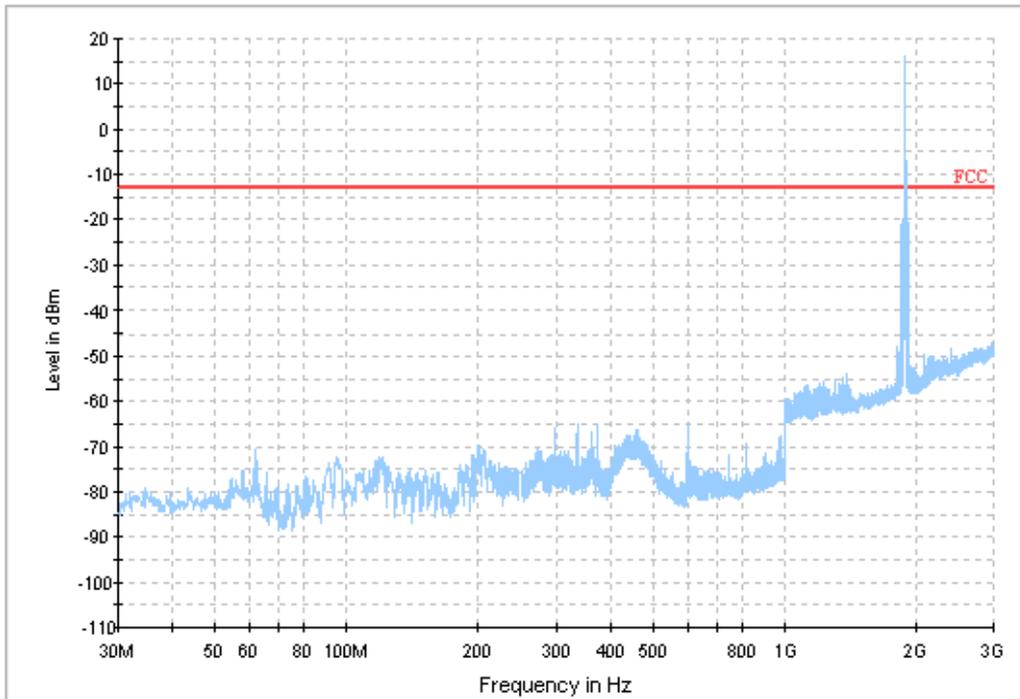


**7.2.2 Test Band = WCDMA1900**

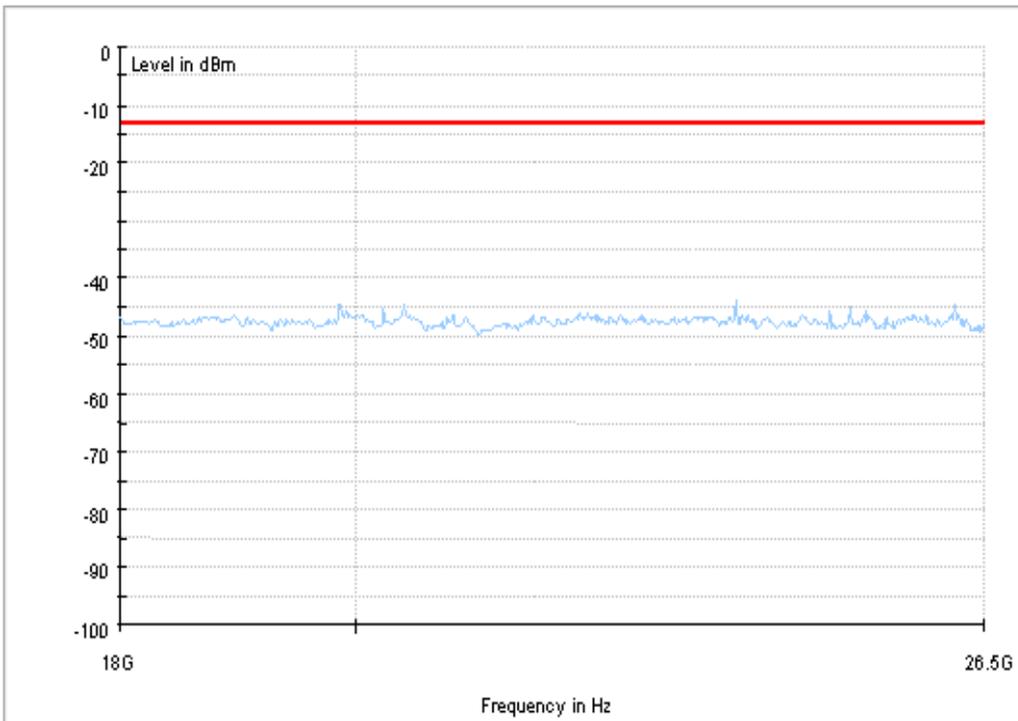
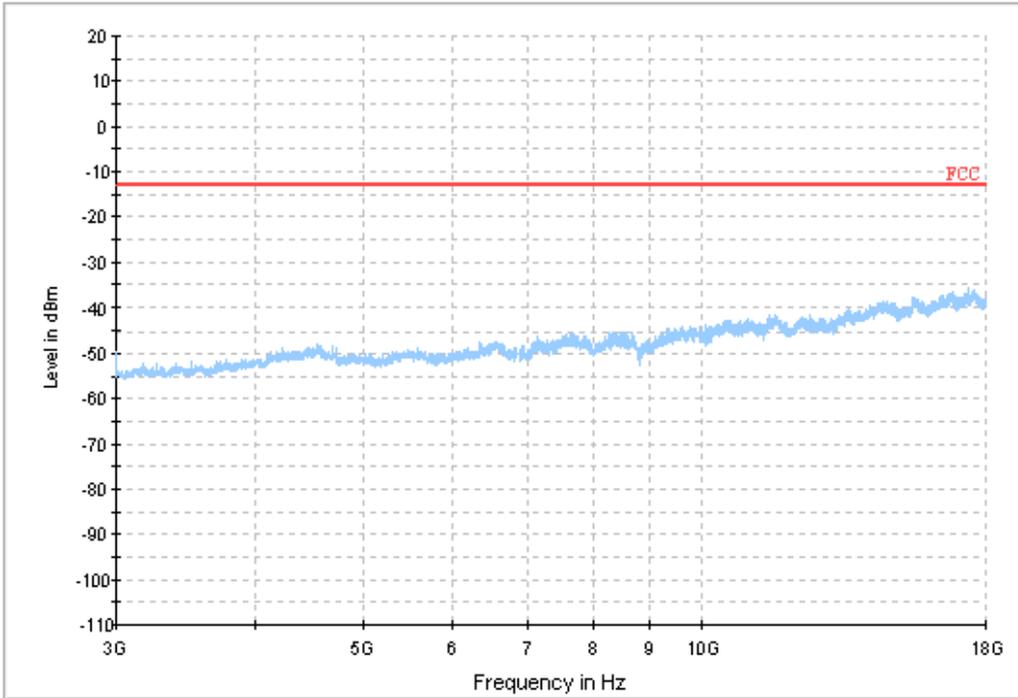
**7.2.2.1 Test Mode = UMTS/TM1**



Copy of FCC PART24 WCDMA1900\_L

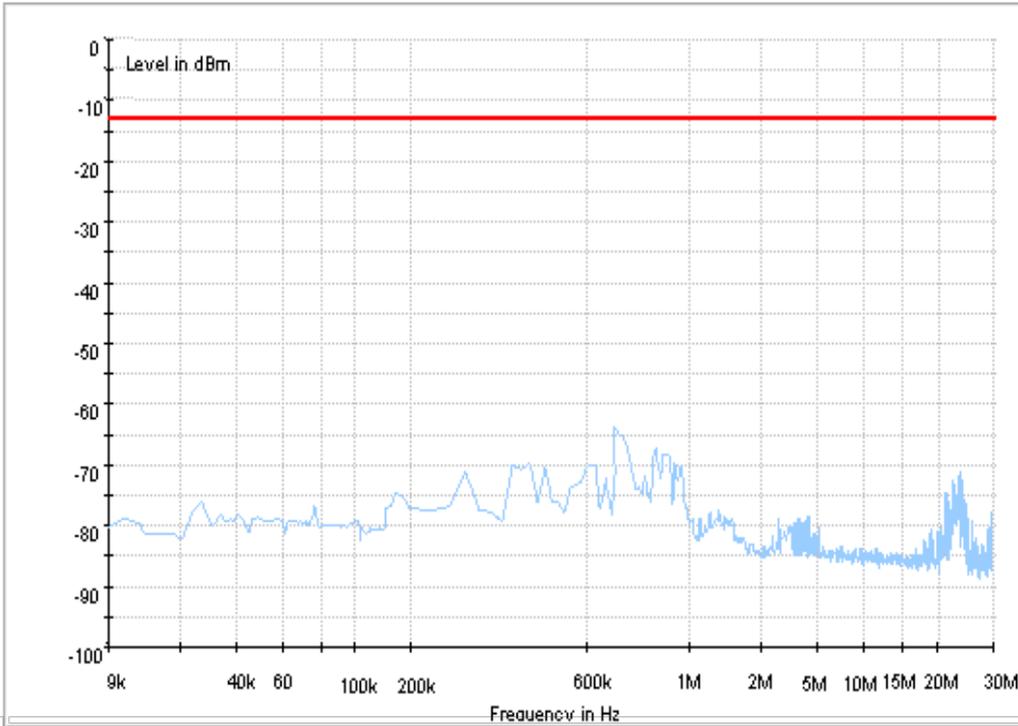


Copy of FCC PART24 WCDMA1900\_H

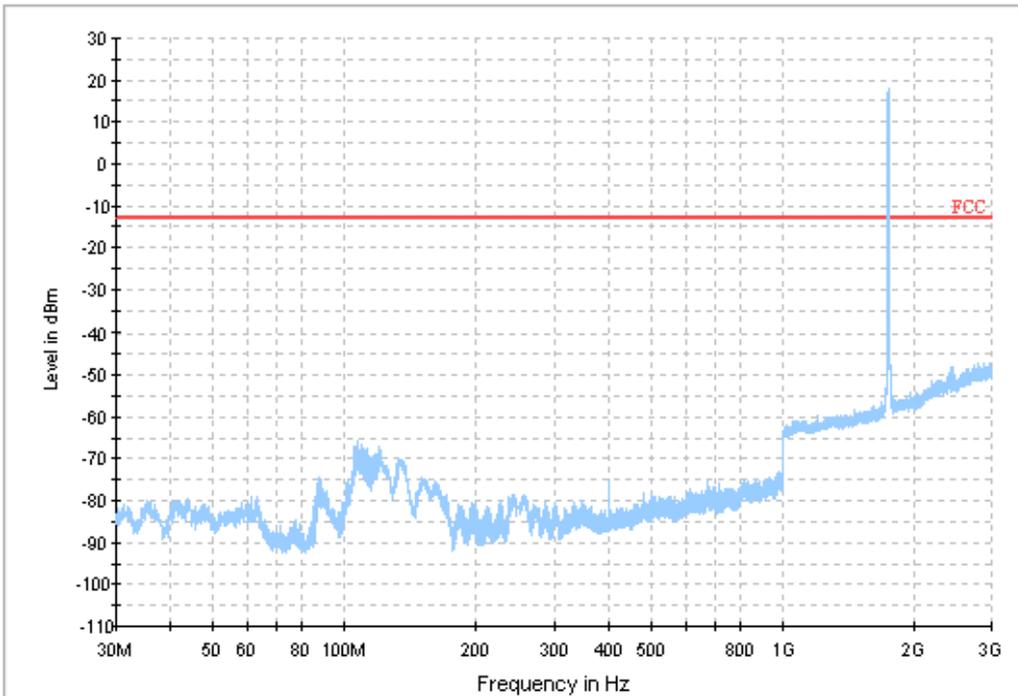


### 7.2.3 Test Band = WCDMA1700

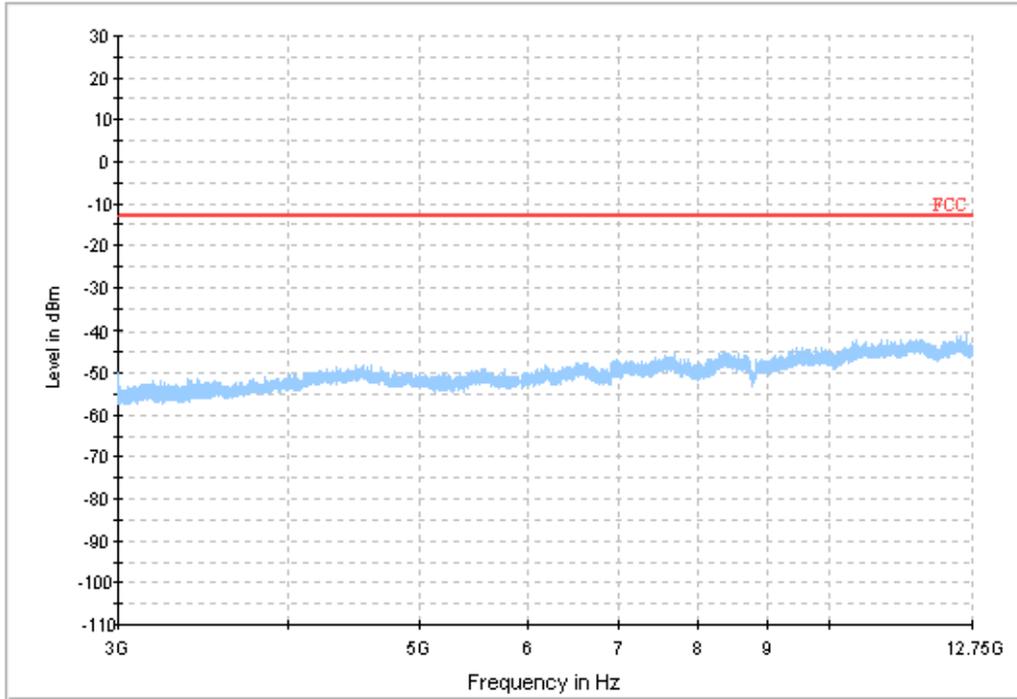
### 7.2.3.1 Test Mode = UMTS/TM1



Copy of RSE - TX - UMTS BAND IV\_L



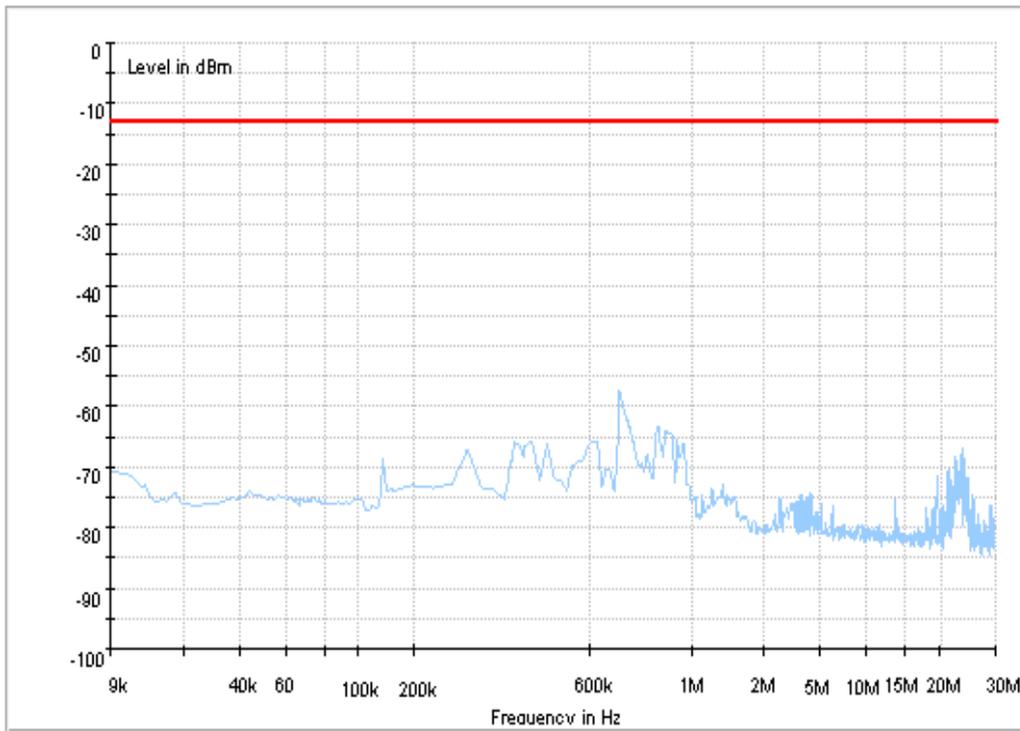
Copy of RSE - TX - UMTS BAND IV\_H



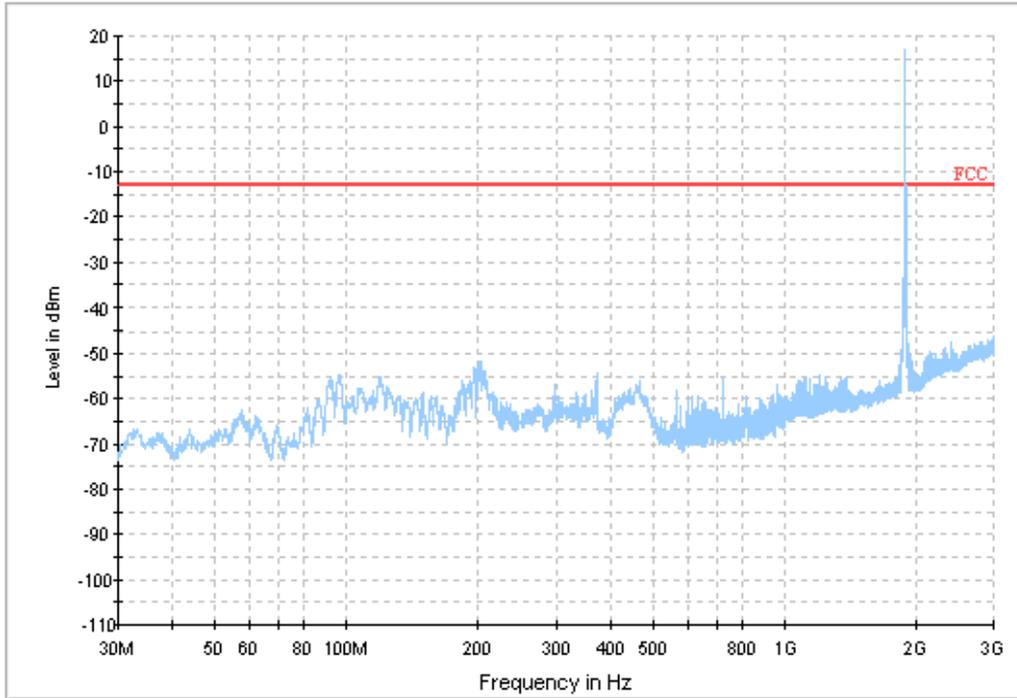
### 7.3 For LTE

#### 7.3.1 Test Band = BAND2

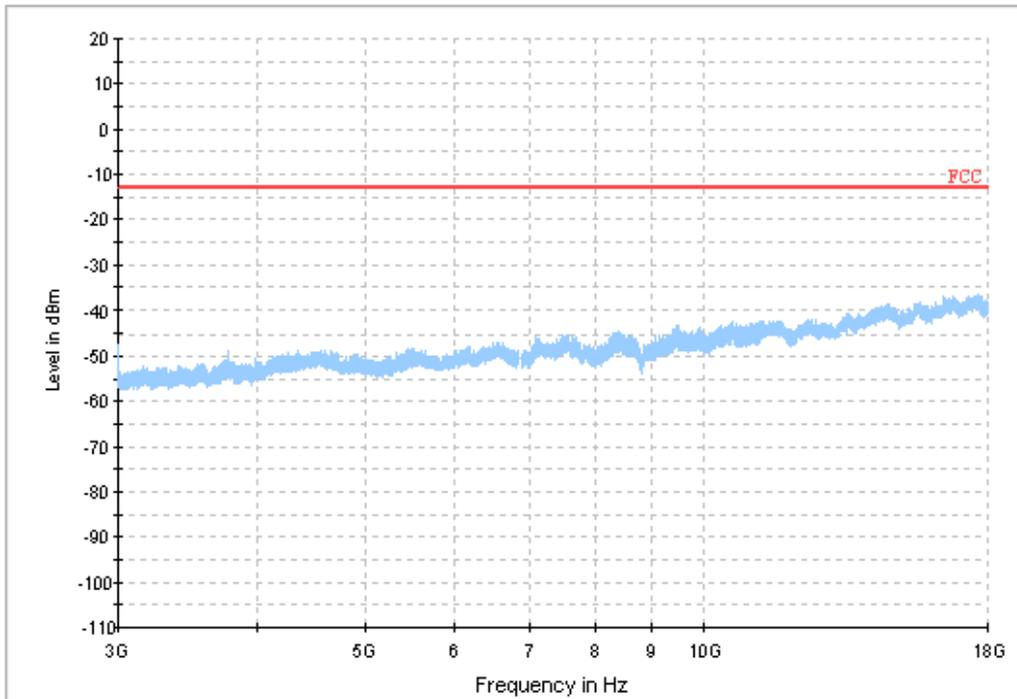
##### 7.3.1.1 Test Bandwidth = 5

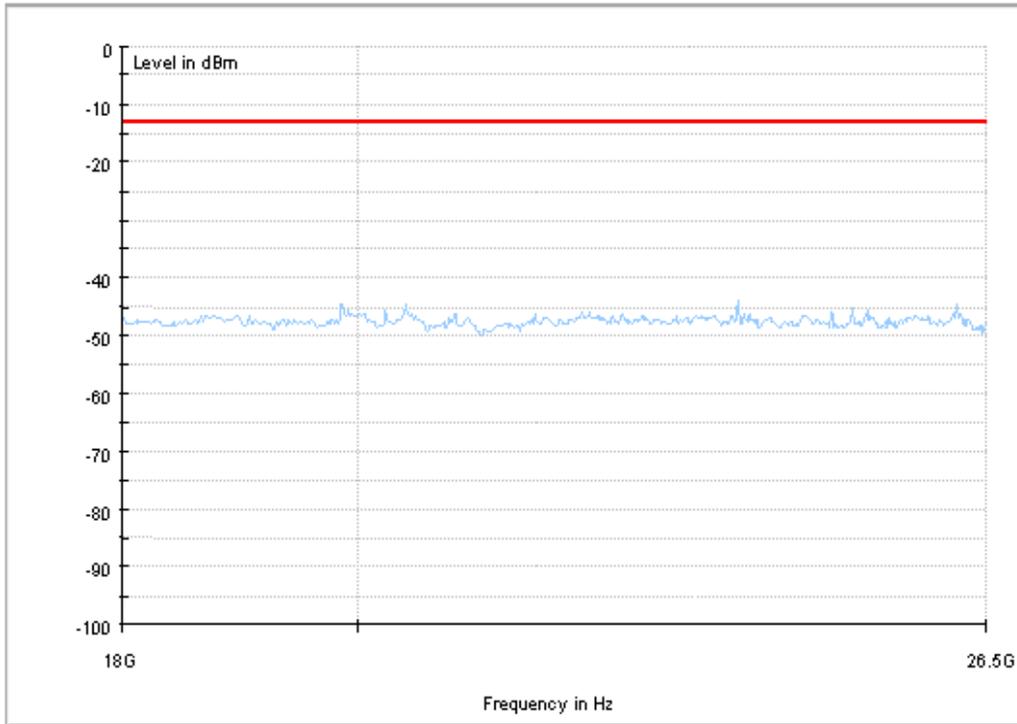


Copy of FCC PART24 LTE Band 2\_L

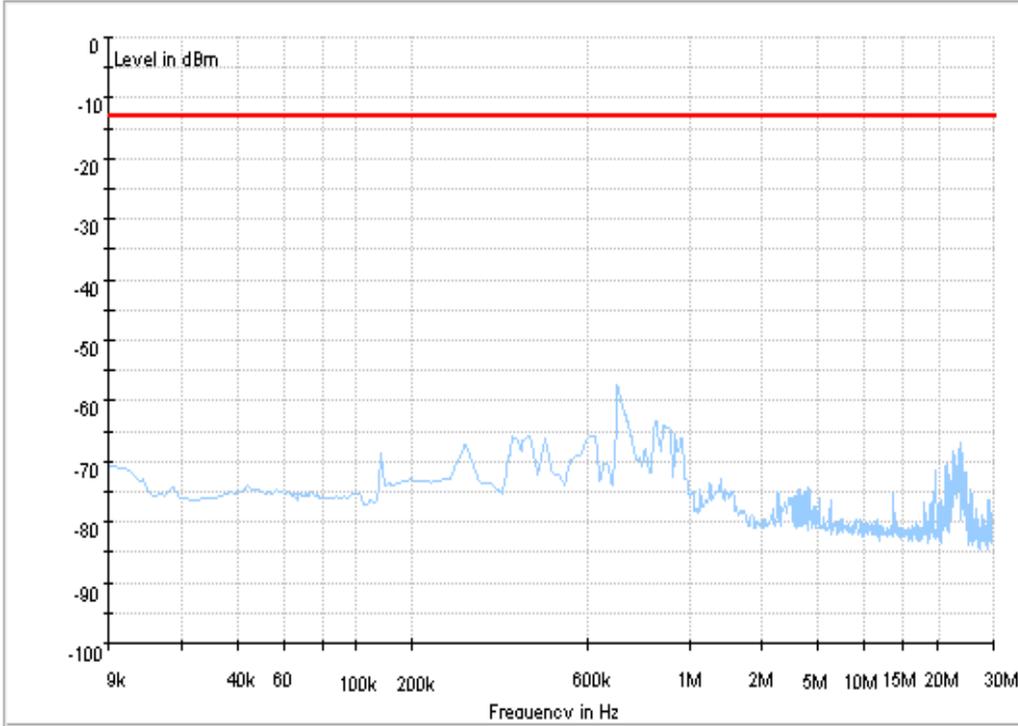


Copy of FCC PART24 LTE Band 2\_H

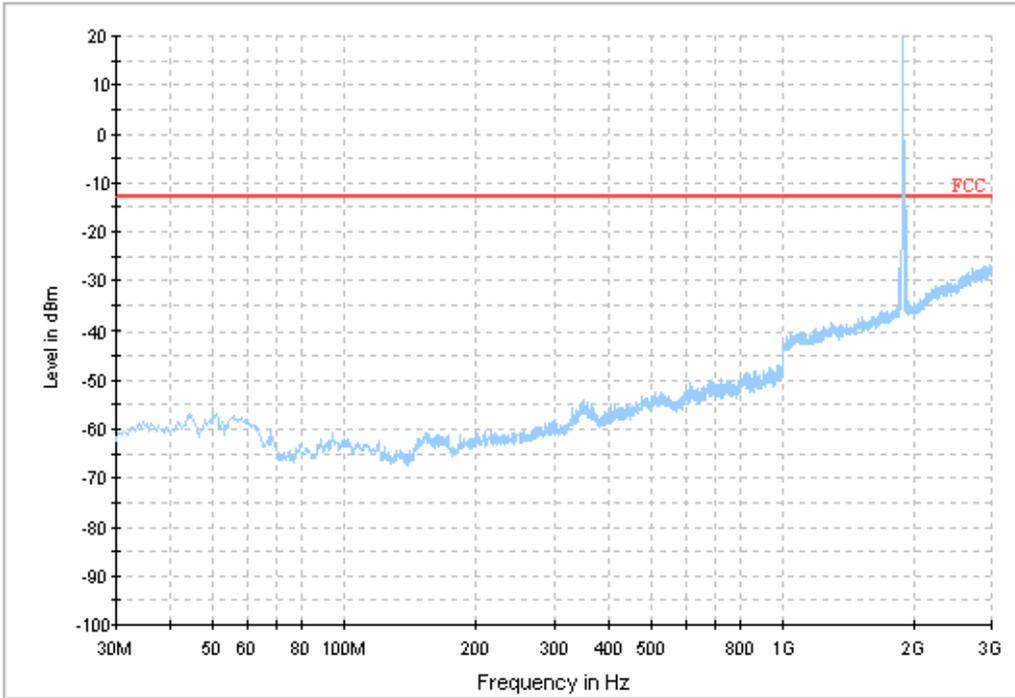




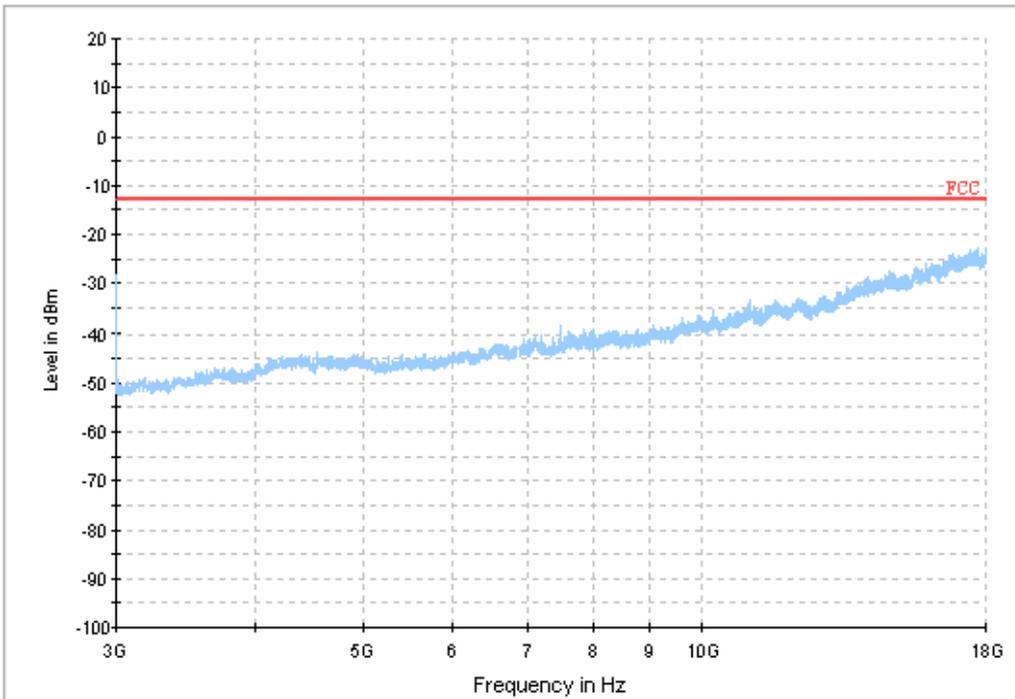
### 7.3.1.2 Test Bandwidth = 20

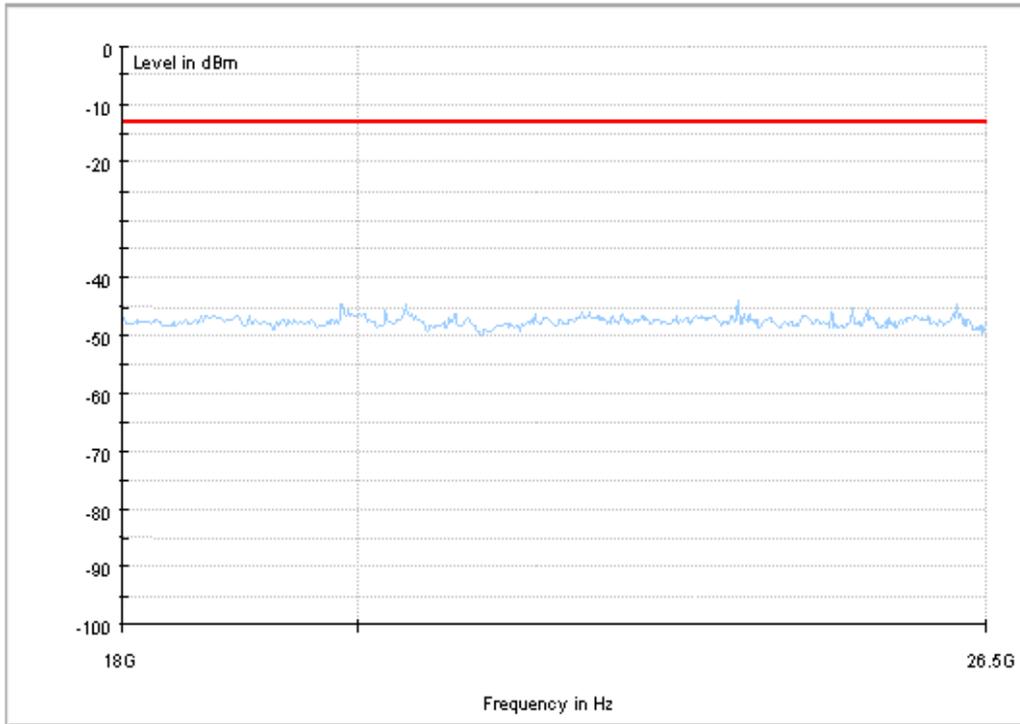


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



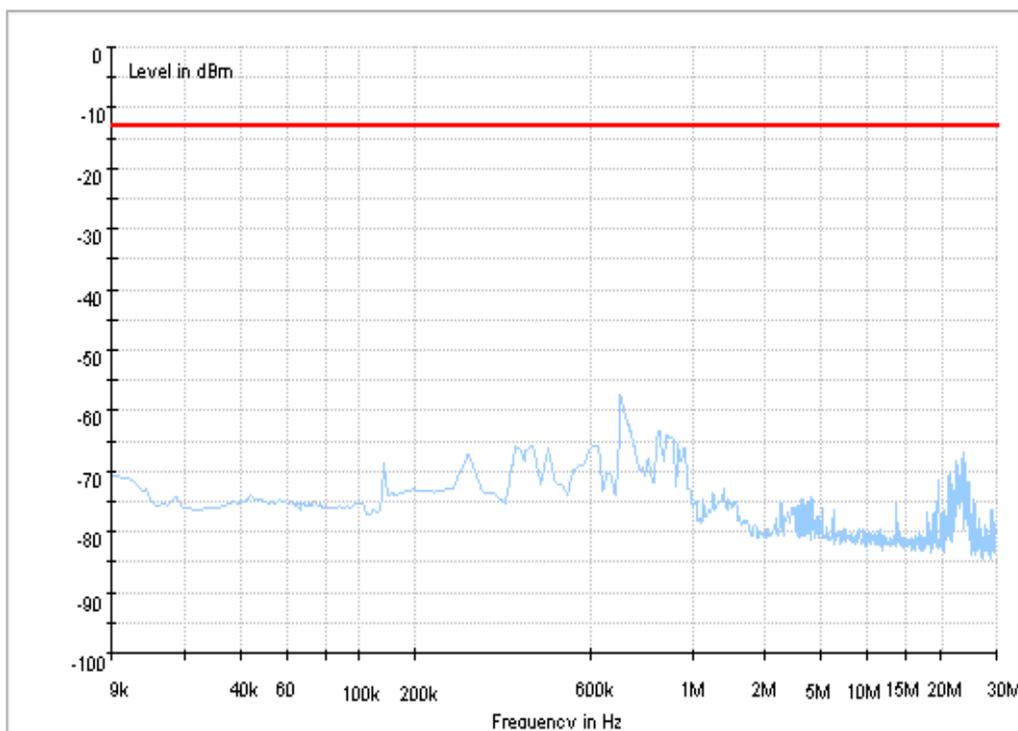
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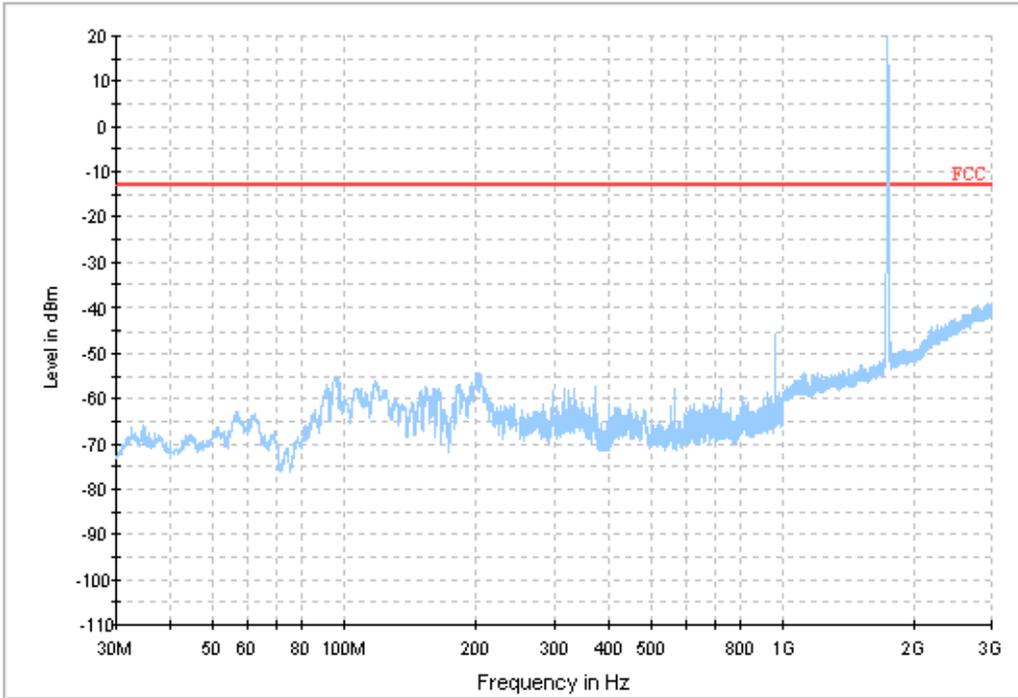


### 7.3.2 Test Band = BAND4

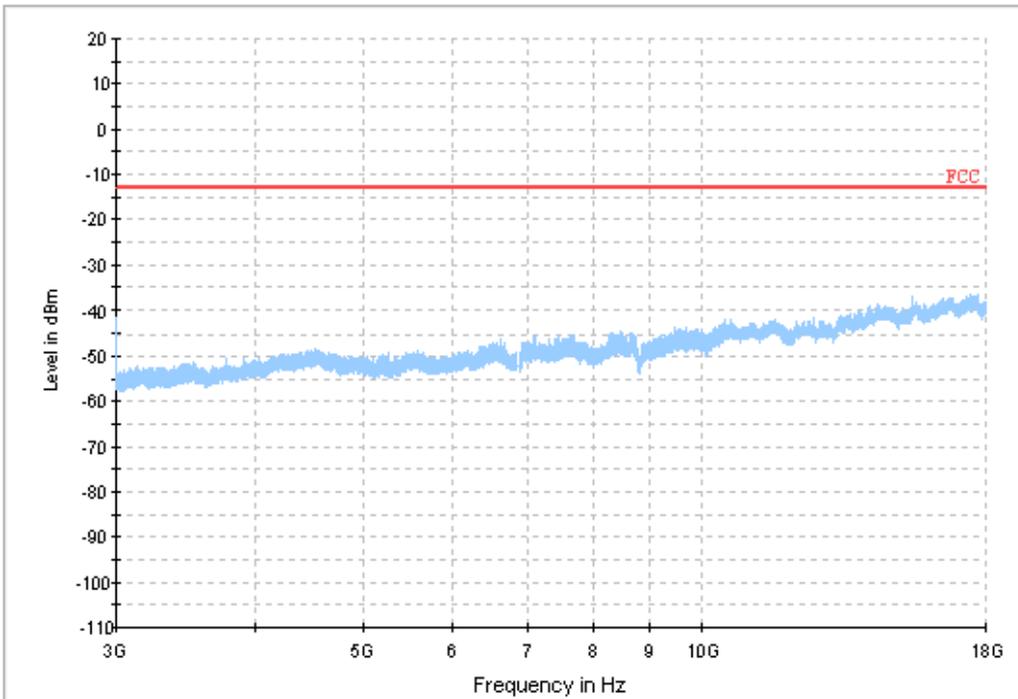
#### 7.3.2.1 Test Bandwidth = 5



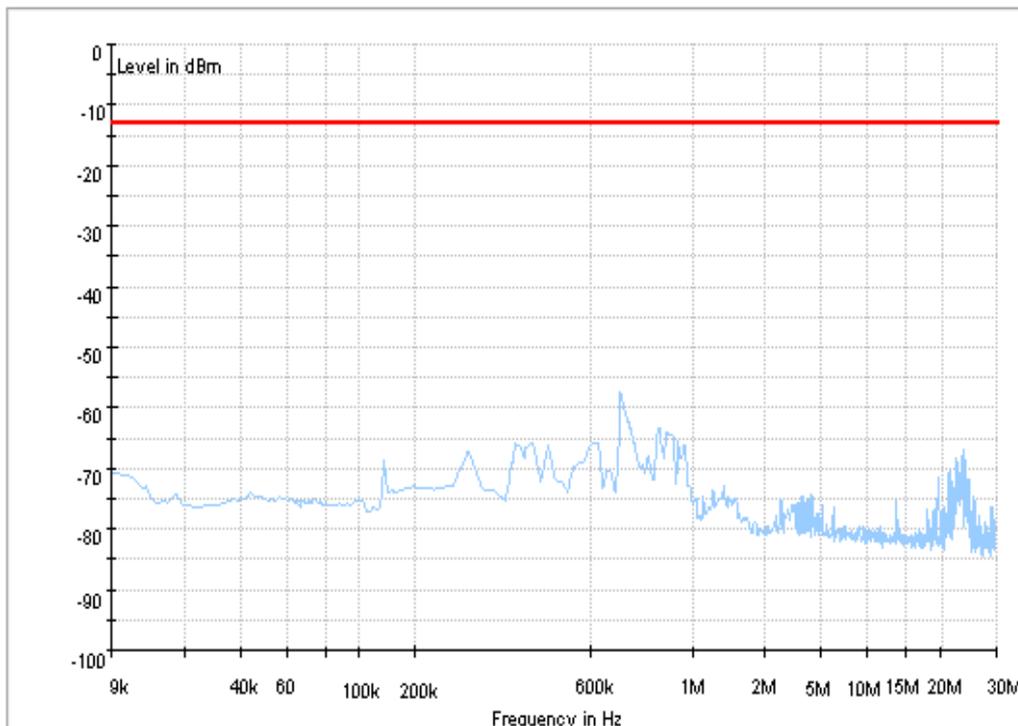
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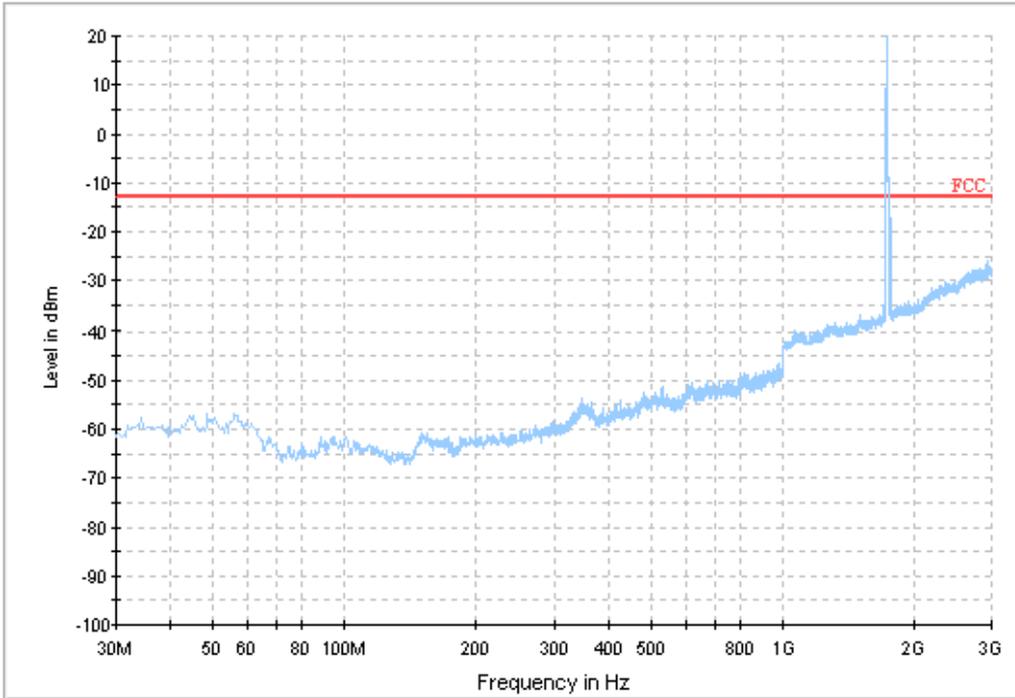
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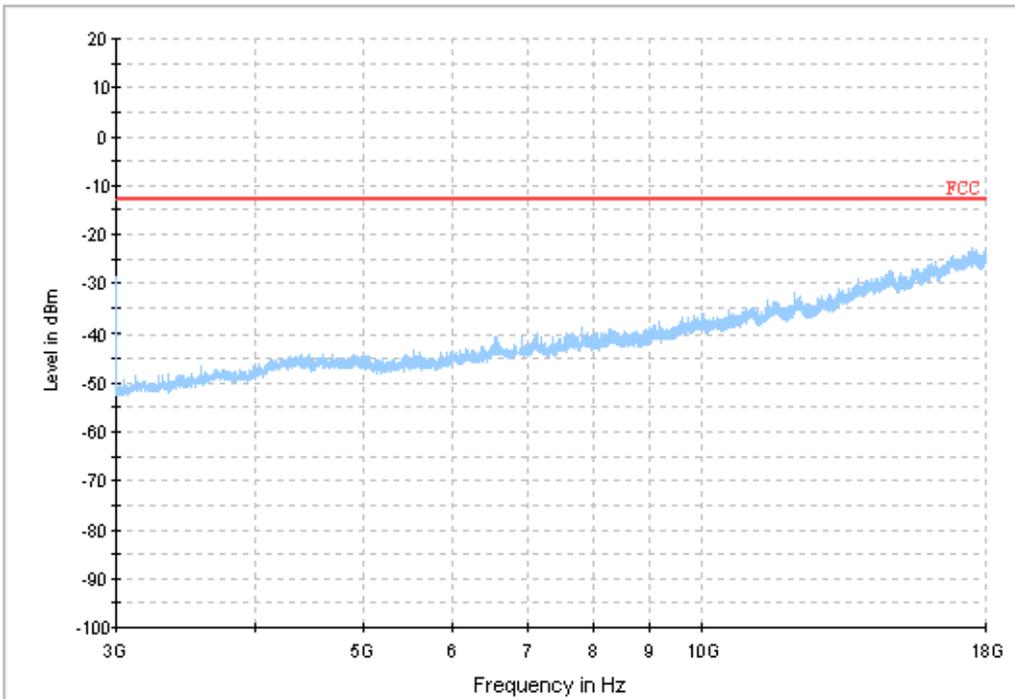
### 7.3.2.2 Test Bandwidth = 20



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

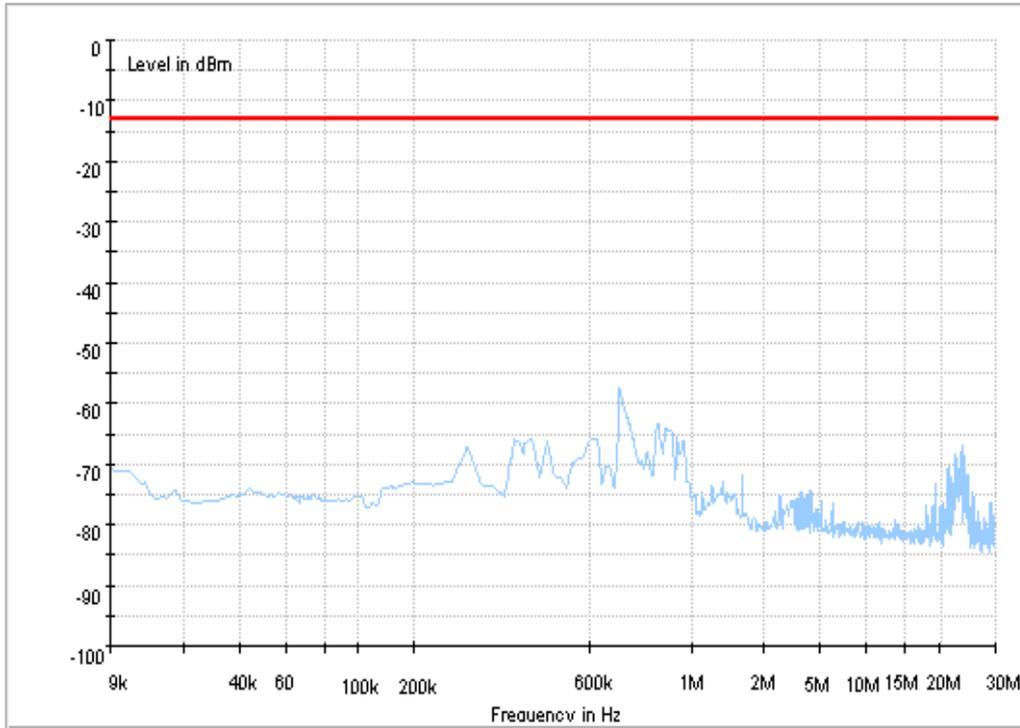


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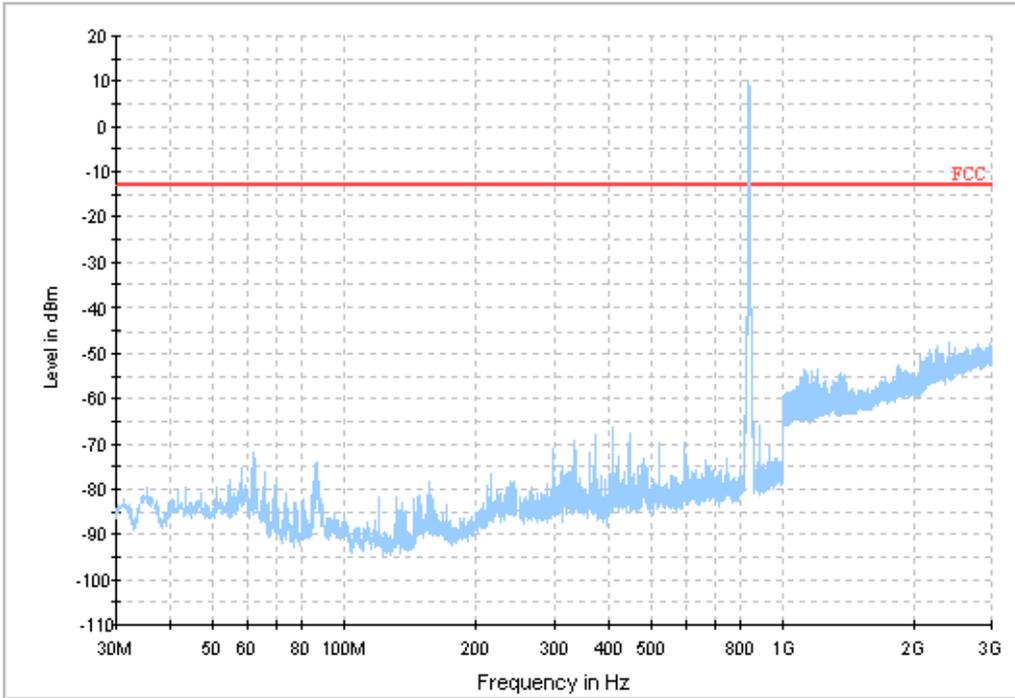


### 7.3.3 Test Band = BAND5

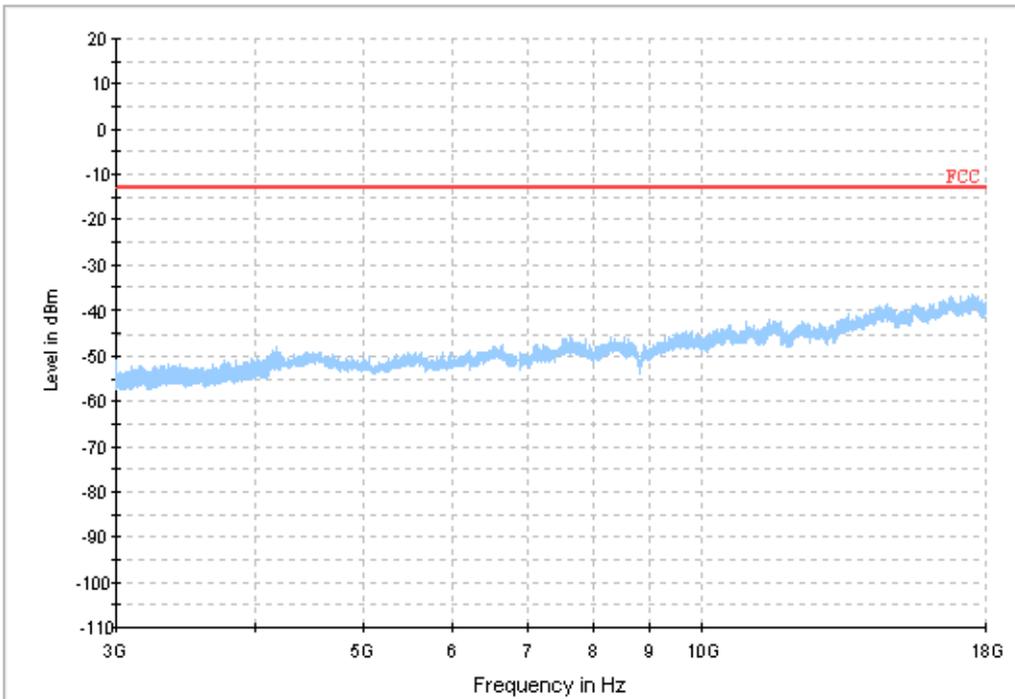
#### 7.3.3.1 Test Bandwidth = 5



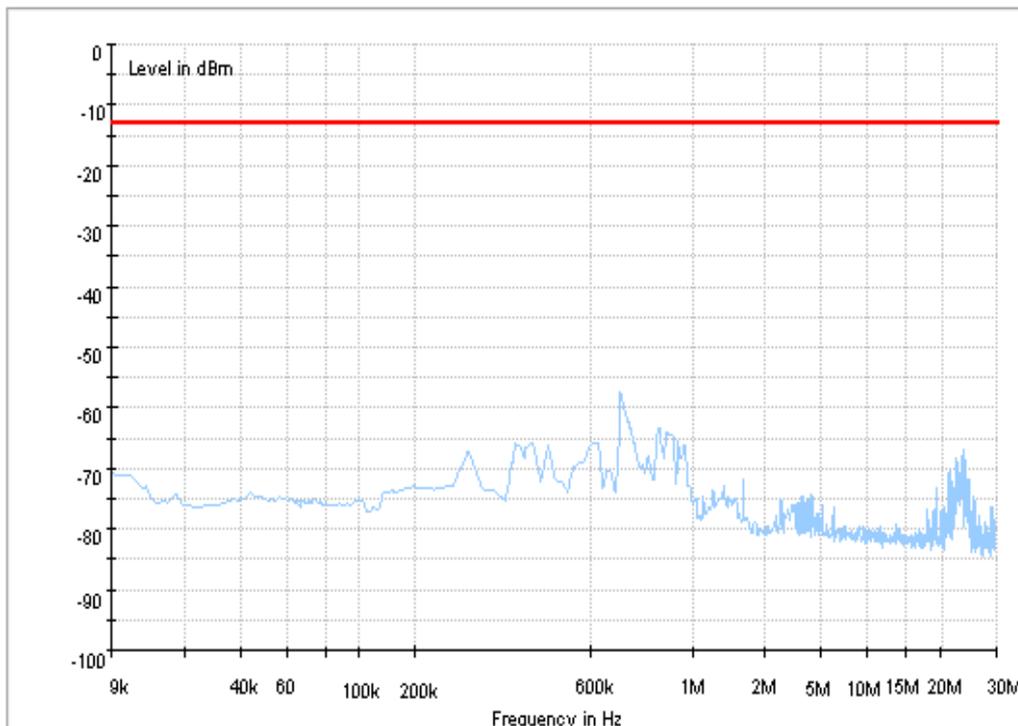
Copy of FCC PART22 LTE Band 5\_L



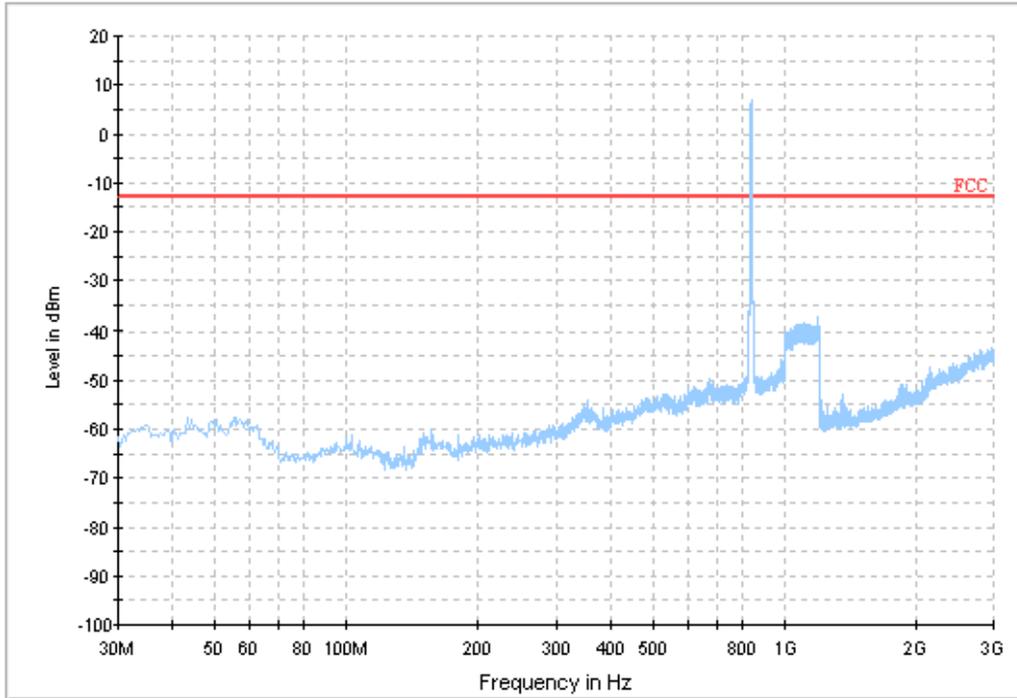
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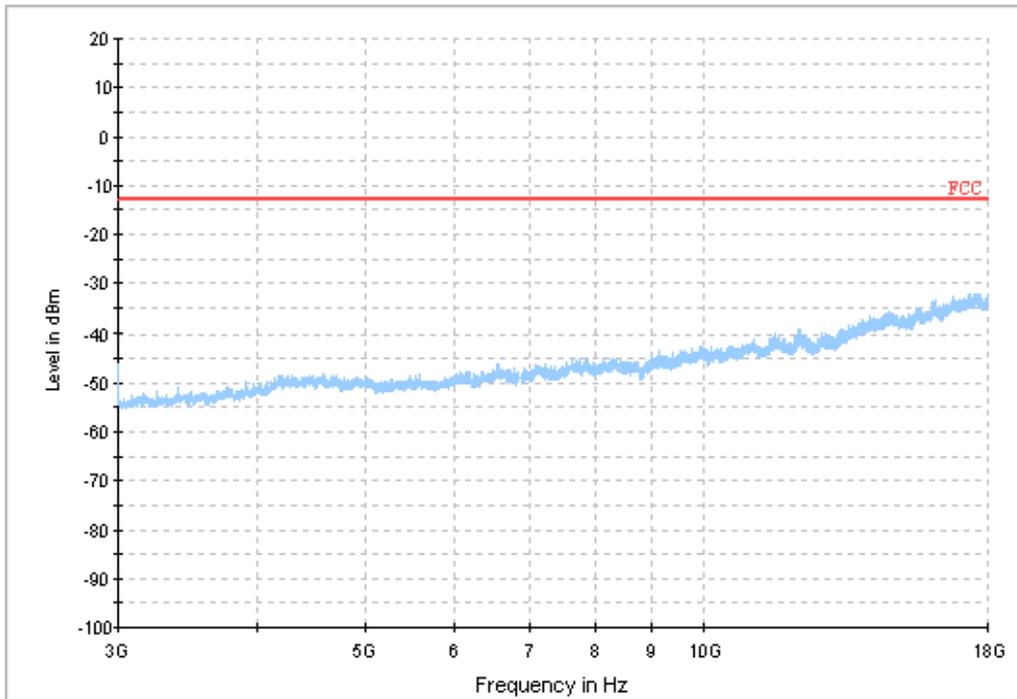
### 7.3.3.2 Test Bandwidth = 10



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

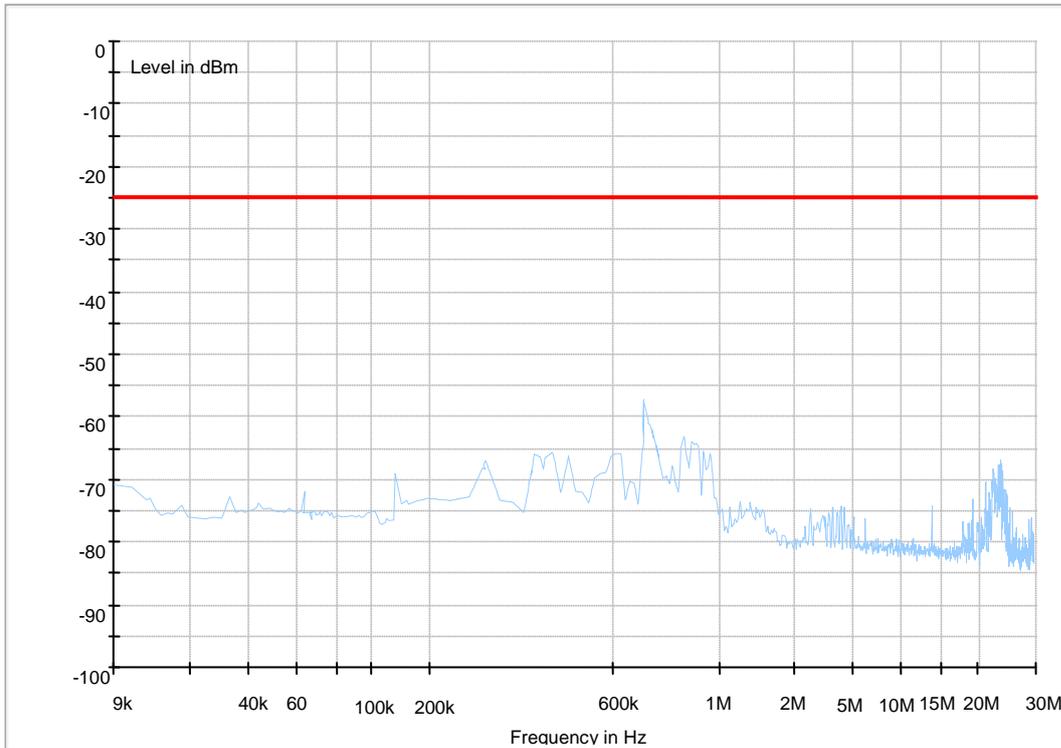


Copy of RSE-TX-DIRECTOR BELOW 1G\_H

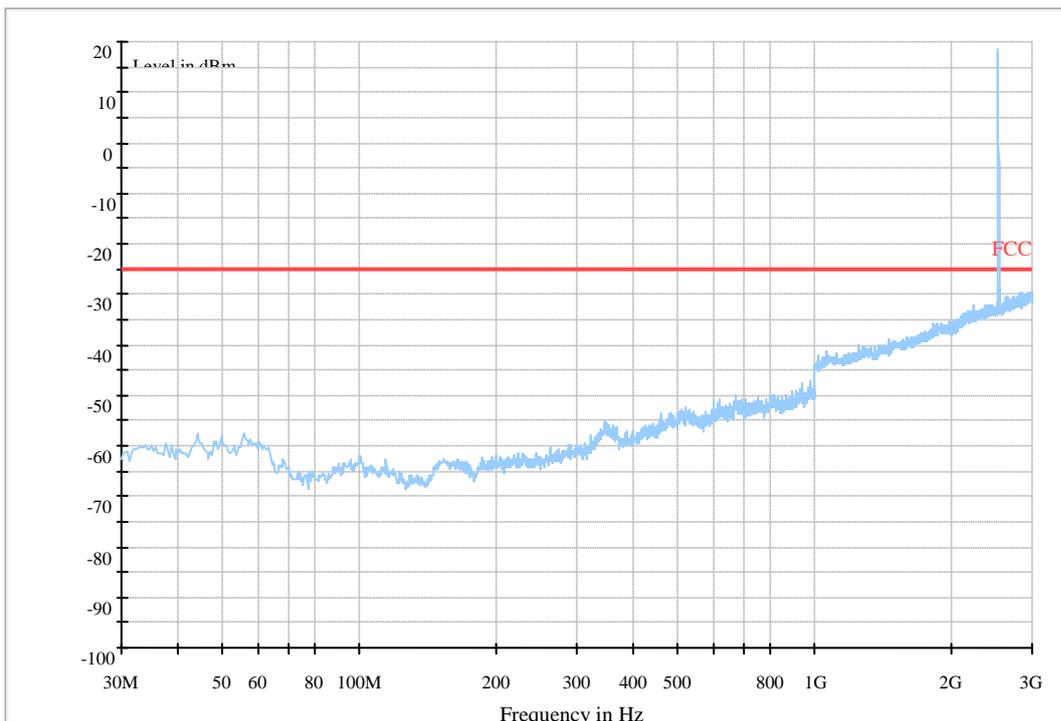


### 7.3.4 Test Band = BAND7

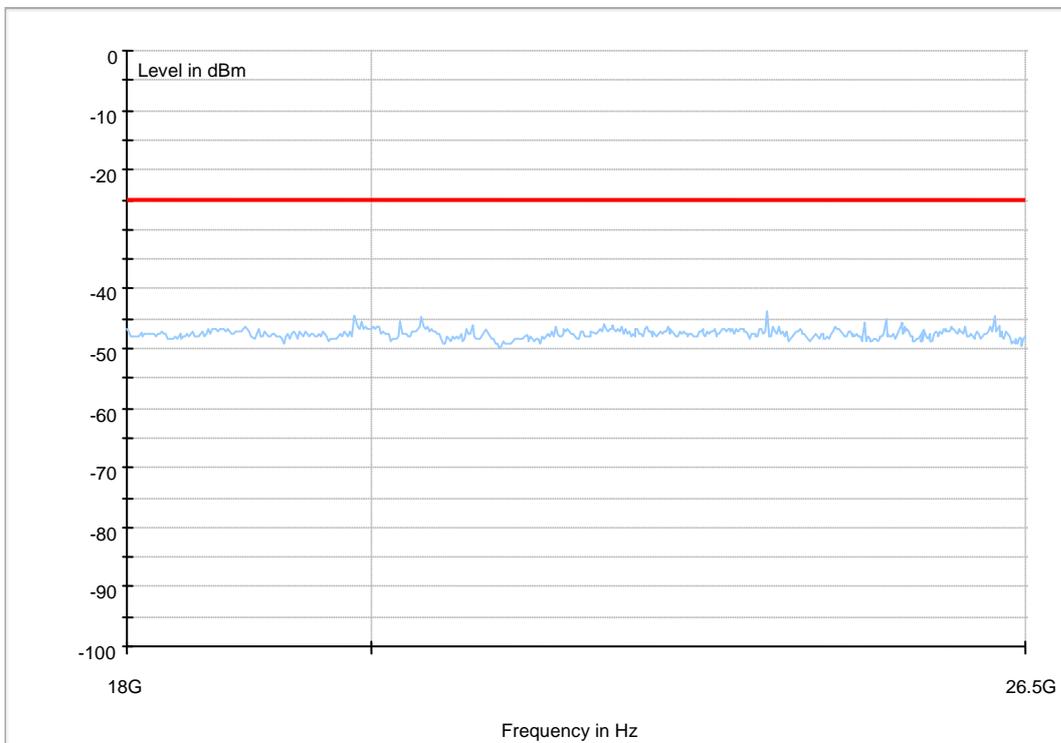
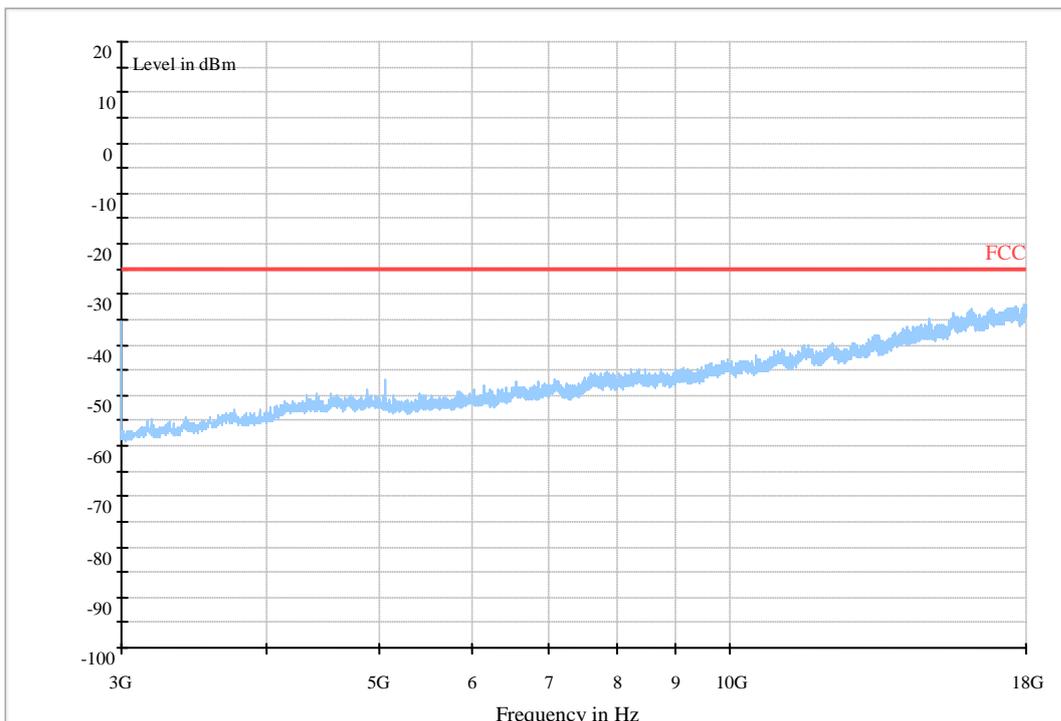
#### 7.3.4.1 Test Bandwidth = 5



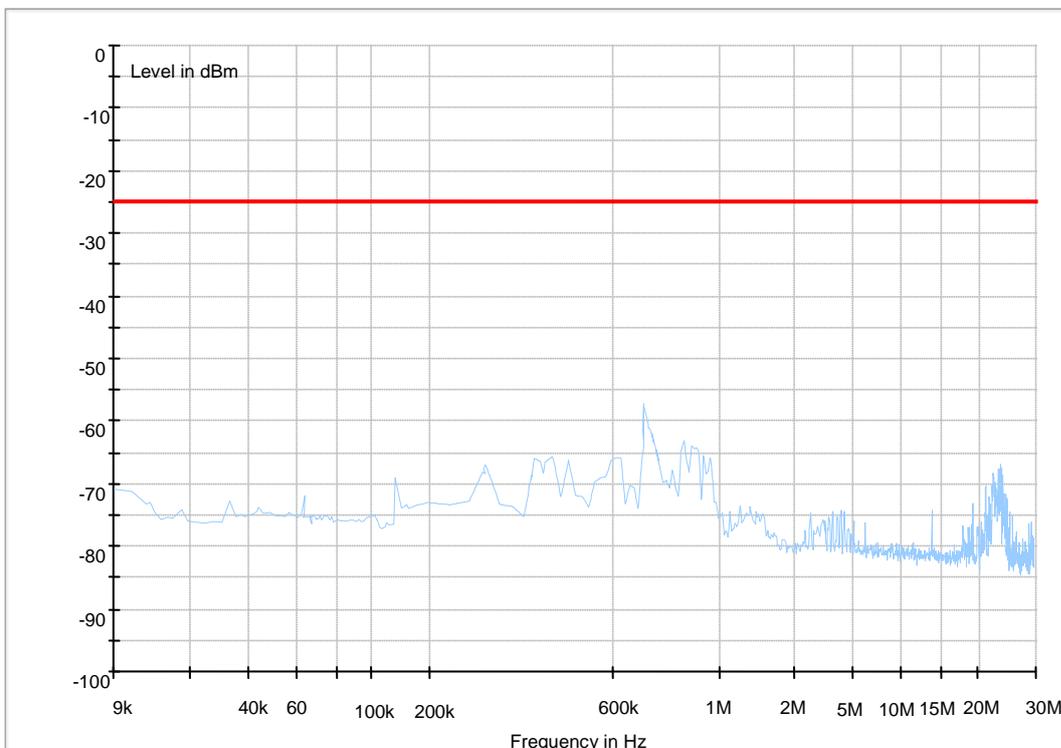
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



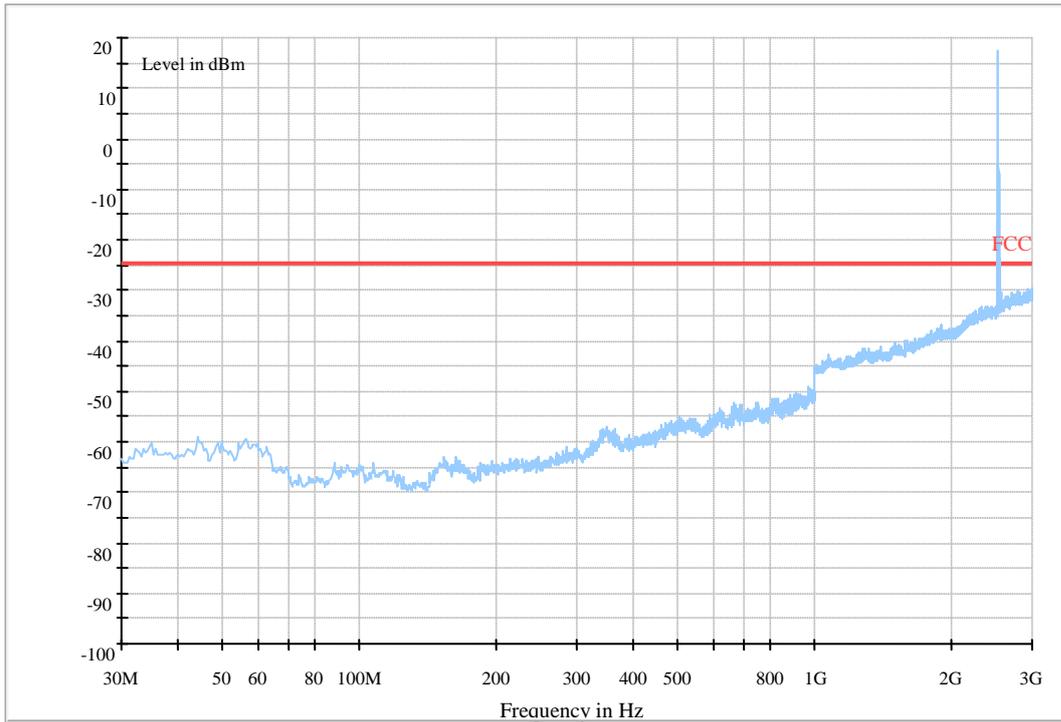
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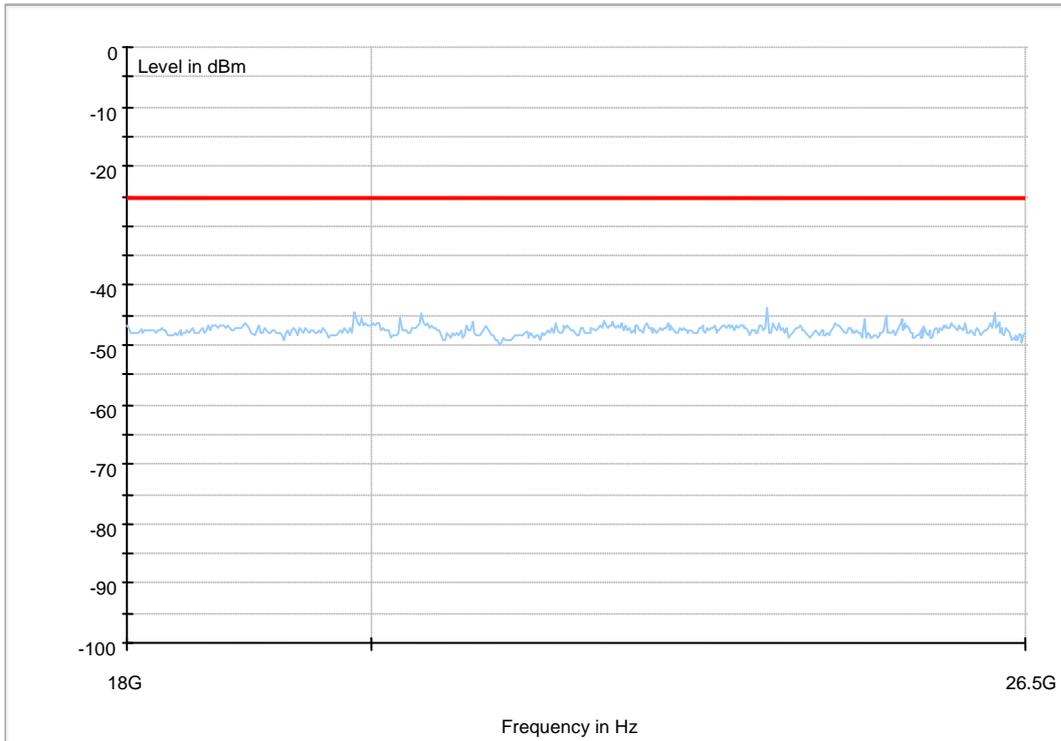
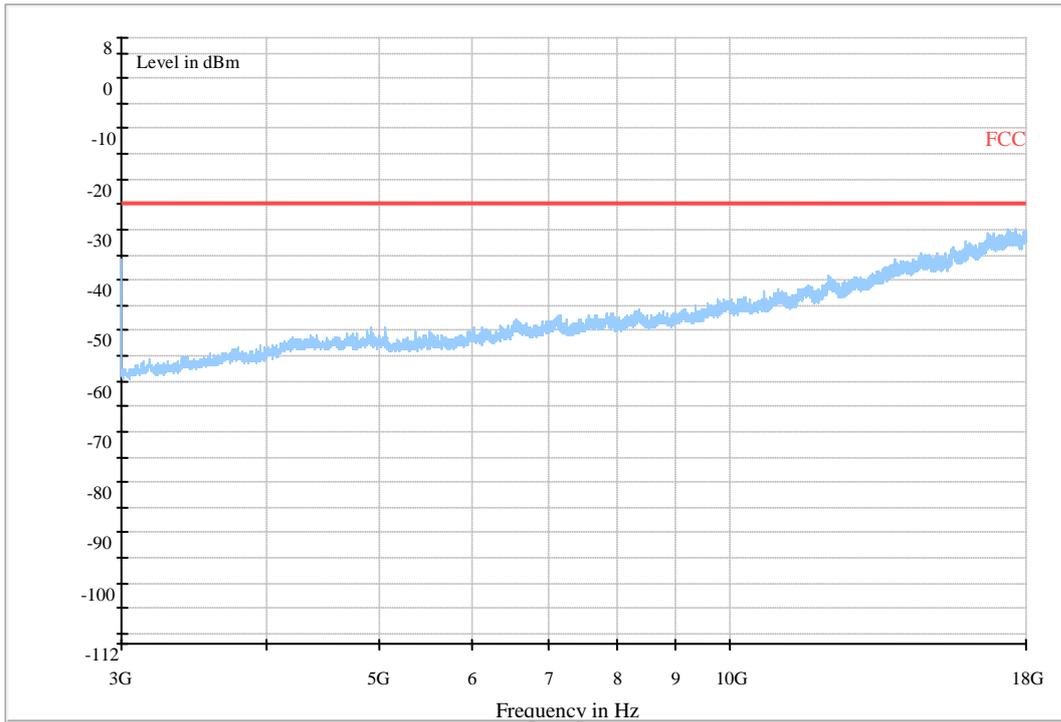
### 7.3.4.2 Test Bandwidth = 20



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

#### 8.1.1 Frequency 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	-0.52	-0.00063	PASS
				VN	-3.03	-0.00368	PASS
				VH	-2.20	-0.00267	PASS
		MCH	TN	VL	1.68	0.00201	PASS
				VN	0.77	0.00092	PASS
				VH	4.52	0.0054	PASS
		HCH	TN	VL	1.87	0.0022	PASS
				VN	0.97	0.00114	PASS
				VH	-0.84	-0.00099	PASS
	GSM/TM2	LCH	TN	VL	-9.17	-0.01113	PASS
				VN	-10.36	-0.01257	PASS
				VH	-13.88	-0.01684	PASS
		MCH	TN	VL	-11.53	-0.01378	PASS
				VN	-0.94	-0.00112	PASS
				VH	-8.88	-0.01061	PASS
		HCH	TN	VL	-6.68	-0.00787	PASS
				VN	-7.75	-0.00913	PASS
				VH	-6.81	-0.00802	PASS
GSM1900	GSM/TM1	LCH	TN	VL	13.56	0.00733	PASS
				VN	7.30	0.00395	PASS
				VH	8.14	0.0044	PASS
		MCH	TN	VL	20.08	0.01068	PASS
				VN	21.63	0.01151	PASS
				VH	16.14	0.00859	PASS
		HCH	TN	VL	11.11	0.00582	PASS
				VN	13.24	0.00693	PASS
				VH	11.69	0.00612	PASS
	GSM/TM2	LCH	TN	VL	-4.07	-0.0022	PASS
				VN	-4.81	-0.0026	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VH	-2.45	-0.00132	PASS
		MCH	TN	VL	2.58	0.00137	PASS
				VN	6.68	0.00355	PASS
				VH	9.65	0.00513	PASS
		HCH	TN	VL	13.85	0.00725	PASS
				VN	-1.39	-0.00073	PASS
				VH	7.81	0.00409	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	-1.87	-0.00227	PASS		
				-20	-3.81	-0.00462	PASS		
				-10	-4.65	-0.00564	PASS		
				0	-3.03	-0.00368	PASS		
				10	-1.03	-0.00125	PASS		
				20	-0.84	-0.00102	PASS		
				30	-2.78	-0.00337	PASS		
				40	-1.87	-0.00227	PASS		
				50	-0.58	-0.0007	PASS		
				MCH	VN	-30	-0.32	-0.00038	PASS
						-20	1.42	0.0017	PASS
						-10	1.03	0.00123	PASS
						0	2.84	0.00339	PASS
						10	0.52	0.00062	PASS
						20	1.87	0.00224	PASS
						30	1.49	0.00178	PASS
						40	2.97	0.00355	PASS
						50	-0.06	-0.00007	PASS
				HCH	VN	-30	4.07	0.0048	PASS
						-20	2.45	0.00289	PASS
						-10	1.29	0.00152	PASS
						0	1.49	0.00176	PASS
						10	2.58	0.00304	PASS
						20	1.81	0.00213	PASS
						30	2.58	0.00304	PASS
						40	3.16	0.00372	PASS
						50	0.58	0.00068	PASS
		GSM/TM2	LCH	VN	-30	-7.62	-0.00925	PASS	

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				-20	-14.21	-0.01724	PASS		
				-10	-14.17	-0.01719	PASS		
				0	-8.14	-0.00988	PASS		
				10	-14.66	-0.01779	PASS		
				20	-13.40	-0.01626	PASS		
				30	-7.20	-0.00874	PASS		
				40	-8.01	-0.00972	PASS		
				50	-11.30	-0.01371	PASS		
		MCH	VN	-30	-4.78	-0.00571	PASS		
				-20	-3.71	-0.00443	PASS		
				-10	-6.55	-0.00783	PASS		
				0	-12.07	-0.01443	PASS		
				10	-11.78	-0.01408	PASS		
				20	-3.26	-0.0039	PASS		
				30	-9.72	-0.01162	PASS		
				40	-7.68	-0.00918	PASS		
		HCH	VN	50	-9.52	-0.01138	PASS		
				-30	-0.77	-0.00091	PASS		
				-20	-7.01	-0.00826	PASS		
				-10	-8.04	-0.00947	PASS		
				0	-7.04	-0.00829	PASS		
				10	-4.84	-0.0057	PASS		
				20	-7.43	-0.00875	PASS		
				30	-7.39	-0.00871	PASS		
		GSM1900	GSM/TM1	LCH	VN	40	-10.40	-0.01225	PASS
						50	-10.20	-0.01202	PASS
						-30	3.03	0.00164	PASS
-20	11.43					0.00618	PASS		
-10	7.94					0.00429	PASS		
0	5.42					0.00293	PASS		
10	9.23					0.00499	PASS		
20	8.46					0.00457	PASS		
MCH	VN			30	5.23	0.00283	PASS		
				40	6.07	0.00328	PASS		
				50	6.20	0.00335	PASS		
				-30	18.85	0.01003	PASS		
				-20	18.98	0.0101	PASS		
				-10	14.46	0.00769	PASS		
				0	19.44	0.01034	PASS		
				10	14.08	0.00749	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict										
				20	17.95	0.00955	PASS										
				30	21.44	0.0114	PASS										
				40	19.57	0.01041	PASS										
				50	15.17	0.00807	PASS										
		HCH	VN			-30	14.72	0.00771	PASS								
						-20	12.66	0.00663	PASS								
						-10	8.52	0.00446	PASS								
						0	13.43	0.00703	PASS								
						10	9.04	0.00473	PASS								
						20	12.79	0.0067	PASS								
						30	16.27	0.00852	PASS								
						40	16.79	0.00879	PASS								
						50	19.76	0.01035	PASS								
						GSM/TM2		LCH	VN								
														-30	-8.68	-0.00469	PASS
														-20	-3.97	-0.00215	PASS
	-10	-0.68	-0.00037	PASS													
	0	-3.00	-0.00162	PASS													
	10	0.68	0.00037	PASS													
	20	3.45	0.00186	PASS													
	30	-6.10	-0.0033	PASS													
	40	5.39	0.00291	PASS													
	50	3.13	0.00169	PASS													
	MCH	VN															
											-30	10.85	0.00577	PASS			
											-20	16.21	0.00862	PASS			
											-10	14.85	0.0079	PASS			
						0	9.72				0.00517	PASS					
	HCH	VN															
									10	11.07	0.00589	PASS					
									20	12.33	0.00656	PASS					
									30	15.30	0.00814	PASS					
									40	11.78	0.00627	PASS					
									50	13.04	0.00694	PASS					
									-30	4.29	0.00225	PASS					
									-20	6.20	0.00325	PASS					
									-10	3.16	0.00165	PASS					
	0	5.68	0.00297	PASS													
	10	6.17	0.00323	PASS													
	20	-3.00	-0.00157	PASS													
30	-4.49	-0.00235	PASS														
40	6.46	0.00338	PASS														
50	3.91	0.00205	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	-13.11	-0.01586	PASS
				VN	2.81	0.0034	PASS
				VH	-4.67	-0.00565	PASS
		MCH	TN	VL	-3.88	-0.00464	PASS
				VN	-1.37	-0.00164	PASS
				VH	-4.43	-0.0053	PASS
		HCH	TN	VL	-2.47	-0.00292	PASS
				VN	-5.81	-0.00686	PASS
				VH	-3.77	-0.00445	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	7.25	0.00391	PASS
				VN	2.75	0.00148	PASS
				VH	3.42	0.00185	PASS
		MCH	TN	VL	-0.75	-0.0004	PASS
				VN	-8.32	-0.00443	PASS
				VH	-2.85	-0.00152	PASS
		HCH	TN	VL	11.89	0.00623	PASS
				VN	-5.91	-0.0031	PASS
				VH	-0.02	-0.00001	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	15.37	0.00898	PASS
				VN	-6.94	-0.00405	PASS
				VH	-1.66	-0.00097	PASS
		MCH	TN	VL	4.35	0.00251	PASS
				VN	5.37	0.0031	PASS
				VH	0.14	0.00008	PASS
		HCH	TN	VL	3.65	0.00208	PASS
				VN	5.46	0.00312	PASS
				VH	-10.06	-0.00574	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	-15.93	-0.01928	PASS
				-20	-9.52	-0.01152	PASS
				-10	-8.15	-0.00986	PASS
				0	-9.12	-0.01104	PASS
				10	-10.50	-0.01271	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				20	-0.75	-0.00091	PASS		
				30	-6.30	-0.00762	PASS		
				40	-5.89	-0.00713	PASS		
				50	-13.37	-0.01618	PASS		
		MCH	VN			-30	-4.64	-0.00555	PASS
						-20	-13.52	-0.01616	PASS
						-10	-8.73	-0.01044	PASS
						0	-4.41	-0.00527	PASS
						10	-7.66	-0.00916	PASS
						20	-0.67	-0.0008	PASS
						30	-0.05	-0.00006	PASS
						40	-12.44	-0.01487	PASS
						50	-4.88	-0.00583	PASS
						HCH	VN		
		-20	-12.44	-0.01469	PASS				
		-10	-2.61	-0.00308	PASS				
		0	-10.71	-0.01265	PASS				
		10	-12.15	-0.01435	PASS				
		20	-6.71	-0.00793	PASS				
		30	-8.47	-0.01	PASS				
		40	-8.85	-0.01045	PASS				
		50	-4.87	-0.00575	PASS				
		WCDMA1900	UMTS/TM1	LCH	VN	-30	-0.90	-0.00049	PASS
						-20	2.04	0.0011	PASS
						-10	0.90	0.00049	PASS
						0	1.68	0.00091	PASS
						10	8.04	0.00434	PASS
						20	6.44	0.00348	PASS
30	4.67					0.00252	PASS		
40	6.07					0.00328	PASS		
50	4.36					0.00235	PASS		
MCH	VN							-30	0.32
				-20	2.76			0.00147	PASS
				-10	-8.09			-0.0043	PASS
				0	8.18			0.00435	PASS
				10	0.31			0.00016	PASS
				20	-4.82			-0.00256	PASS
				30	2.26			0.0012	PASS
				40	-2.06			-0.0011	PASS
				50	5.37			0.00286	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	-30	0.50	0.00026	PASS
				-20	-3.86	-0.00202	PASS
				-10	9.09	0.00477	PASS
				0	1.21	0.00063	PASS
				10	4.41	0.00231	PASS
				20	1.79	0.00094	PASS
				30	2.56	0.00134	PASS
				40	-0.85	-0.00045	PASS
				50	5.13	0.00269	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	5.87	0.00343	PASS
				-20	6.27	0.00366	PASS
				-10	8.12	0.00474	PASS
				0	4.06	0.00237	PASS
				10	-0.89	-0.00052	PASS
				20	3.11	0.00182	PASS
				30	3.31	0.00193	PASS
				40	-4.73	-0.00276	PASS
				50	0.73	0.00043	PASS
		MCH	VN	-30	3.20	0.00185	PASS
				-20	-2.50	-0.00144	PASS
				-10	-0.35	-0.0002	PASS
				0	3.52	0.00203	PASS
				10	2.82	0.00163	PASS
				20	4.03	0.00233	PASS
				30	0.64	0.00037	PASS
				40	0.69	0.0004	PASS
				50	2.44	0.00141	PASS
		HCH	VN	-30	5.16	0.00294	PASS
				-20	7.54	0.0043	PASS
				-10	2.06	0.00118	PASS
				0	1.88	0.00107	PASS
				10	-1.54	-0.00088	PASS
				20	10.67	0.00609	PASS
				30	-0.87	-0.0005	PASS
				40	8.00	0.00456	PASS
				50	10.86	0.0062	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	5	LCH	TN	VL	10.67	0.00576	PASS
					VN	1.42	0.00077	PASS
					VH	1.26	0.00068	PASS
			MCH	TN	VL	-1.83	-0.00097	PASS
					VN	-1.77	-0.00094	PASS
					VH	-0.33	-0.00018	PASS
			HCH	TN	VL	-0.7	-0.00037	PASS
					VN	-1.95	-0.00102	PASS
					VH	-43.62	-0.02287	PASS
		10	LCH	TN	VL	-1.24	-0.00067	PASS
					VN	1.8	0.00097	PASS
					VH	-0.62	-0.00033	PASS
			MCH	TN	VL	0.54	0.00029	PASS
					VN	-2.42	-0.00129	PASS
					VH	1.09	0.00058	PASS
			HCH	TN	VL	-1.34	-0.0007	PASS
					VN	-0.01	-0.00001	PASS
					VH	0.29	0.00015	PASS
		15	LCH	TN	VL	-1.36	-0.00073	PASS
					VN	-0.53	-0.00029	PASS
					VH	-0.56	-0.0003	PASS
			MCH	TN	VL	-1.54	-0.00082	PASS
					VN	-1.77	-0.00094	PASS
					VH	0.89	0.00047	PASS
			HCH	TN	VL	1.1	0.00058	PASS
					VN	1.46	0.00077	PASS
					VH	0.19	0.0001	PASS
		20	LCH	TN	VL	-0.64	-0.00034	PASS
					VN	0.21	0.00011	PASS
					VH	-2.65	-0.00142	PASS
			MCH	TN	VL	-1.46	-0.00078	PASS
					VN	0.06	0.00003	PASS
					VH	1.7	0.0009	PASS

	LTE/TM2	5	HCH	TN	VL	-2.19	-0.00115	PASS		
					VN	1.16	0.00061	PASS		
					VH	-0.72	-0.00038	PASS		
			LCH	TN	VL	0.47	0.00025	PASS		
					VN	1.19	0.00064	PASS		
					VH	-0.56	-0.0003	PASS		
			MCH	TN	VL	0.1	0.00005	PASS		
					VN	1.1	0.00059	PASS		
					VH	2.45	0.0013	PASS		
		HCH	TN	VL	-1.46	-0.00077	PASS			
				VN	-2.35	-0.00123	PASS			
				VH	-2.17	-0.00114	PASS			
		10	LCH	TN	VL	2.17	0.00117	PASS		
					VN	-1.65	-0.00089	PASS		
					VH	-2	-0.00108	PASS		
			MCH	TN	VL	0.21	0.00011	PASS		
					VN	-1.9	-0.00101	PASS		
					VH	2.1	0.00112	PASS		
			HCH	TN	VL	-0.84	-0.00044	PASS		
					VN	-0.43	-0.00023	PASS		
					VH	1.87	0.00098	PASS		
		15	LCH	TN	VL	2.16	0.00116	PASS		
					VN	0.34	0.00018	PASS		
					VH	-2.23	-0.0012	PASS		
			MCH	TN	VL	-1.32	-0.0007	PASS		
					VN	-0.13	-0.00007	PASS		
					VH	0.03	0.00002	PASS		
			HCH	TN	VL	-0.31	-0.00016	PASS		
					VN	0.46	0.00024	PASS		
					VH	0.03	0.00002	PASS		
		20	LCH	TN	VL	1.63	0.00088	PASS		
					VN	1.5	0.00081	PASS		
					VH	1.03	0.00055	PASS		
			MCH	TN	VL	-1.22	-0.00065	PASS		
					VN	-1.12	-0.0006	PASS		
					VH	-1.73	-0.00092	PASS		
			HCH	TN	VL	-3.1	-0.00163	PASS		
					VN	-3.06	-0.00161	PASS		
					VH	-5.72	-0.00301	PASS		
		BAND4	LTE/TM1	5	LCH	TN	VL	0.37	0.00022	PASS
							VN	-1.03	-0.0006	PASS

			MCH	TN	VH	-0.66	-0.00039	PASS		
					VL	-0.3	-0.00017	PASS		
					VN	-0.31	-0.00018	PASS		
			HCH	TN	VH	1.73	0.001	PASS		
					VL	-1.85	-0.00106	PASS		
					VN	-1.85	-0.00106	PASS		
					LCH	TN	VH	-3.39	-0.00193	PASS
							VL	-3.18	-0.00185	PASS
							VN	-2.23	-0.0013	PASS
			10		MCH	TN	VH	-0.74	-0.00043	PASS
							VL	1.23	0.00071	PASS
							VN	-3.25	-0.00188	PASS
		HCH		TN	VH	0.11	0.00006	PASS		
					VL	-1.37	-0.00078	PASS		
					VN	1.24	0.00071	PASS		
		15		LCH	TN	VH	0.96	0.00055	PASS	
						VL	0.97	0.00056	PASS	
						VN	-2.76	-0.00161	PASS	
			MCH	TN	VH	-2.03	-0.00118	PASS		
					VL	-0.89	-0.00051	PASS		
					VN	-2.17	-0.00125	PASS		
		HCH	TN	VH	-0.54	-0.00031	PASS			
				VL	2.98	0.00171	PASS			
				VN	-1.12	-0.00064	PASS			
		20		LCH	TN	VH	0.24	0.00014	PASS	
						VL	-2.86	-0.00166	PASS	
						VN	-0.43	-0.00025	PASS	
			MCH	TN	VH	-1.3	-0.00076	PASS		
					VL	-0.31	-0.00018	PASS		
					VN	-0.69	-0.0004	PASS		
		HCH	TN	VH	-1.33	-0.00077	PASS			
				VL	-2.39	-0.00137	PASS			
				VN	-2.42	-0.00139	PASS			
		LTE/TM2	5	LCH	TN	VH	-1.03	-0.00059	PASS	
						VL	-1.96	-0.00114	PASS	
						VN	-1.19	-0.00069	PASS	
				MCH	TN	VH	-1.16	-0.00068	PASS	
						VL	0.4	0.00023	PASS	
						VN	-4.51	-0.0026	PASS	
		HCH	TN	VH	1.04	0.0006	PASS			
				VL	-4.05	-0.00231	PASS			

		10	LCH	TN	VN	-1.83	-0.00104	PASS		
					VH	-9.07	-0.00518	PASS		
					VL	-0.13	-0.00008	PASS		
			MCH	TN	VN	-2.92	-0.0017	PASS		
					VH	-0.5	-0.00029	PASS		
					VL	-0.54	-0.00031	PASS		
		HCH	TN	VN	-5.38	-0.00311	PASS			
				VH	1.03	0.00059	PASS			
				VL	2.33	0.00133	PASS			
		15	LCH	TN	VN	1.29	0.00074	PASS		
					VH	-1.66	-0.00095	PASS		
					VL	-1.06	-0.00062	PASS		
			MCH	TN	VN	-1.22	-0.00071	PASS		
					VH	2.55	0.00148	PASS		
					VL	0.11	0.00006	PASS		
		HCH	TN	VN	-0.84	-0.00048	PASS			
				VH	-2.43	-0.0014	PASS			
				VL	-1.44	-0.00082	PASS			
		20	LCH	TN	VN	0.44	0.00025	PASS		
					VH	-0.3	-0.00017	PASS		
					VL	-0.84	-0.00049	PASS		
			MCH	TN	VN	-0.19	-0.00011	PASS		
					VH	-0.5	-0.00029	PASS		
					VL	-3.43	-0.00198	PASS		
		HCH	TN	VN	-1.56	-0.0009	PASS			
				VH	-1.73	-0.001	PASS			
				VL	-2.49	-0.00143	PASS			
		BAND5	LTE/TM1	5	LCH	TN	VN	-2.76	-0.00158	PASS
							VH	-6.68	-0.00383	PASS
							VL	-1.66	-0.00201	PASS
MCH	TN				VN	3.36	0.00407	PASS		
					VH	11.14	0.01348	PASS		
					VL	3.45	0.00412	PASS		
HCH	TN			VN	-2.5	-0.00299	PASS			
				VH	4.08	0.00488	PASS			
				VL	-2.16	-0.00255	PASS			
10	LCH			TN	VN	-1.97	-0.00233	PASS		
					VH	1.26	0.00149	PASS		
					VL	-1.62	-0.00195	PASS		
					VN	-1.43	-0.00172	PASS		
					VH	3.79	0.00457	PASS		

			MCH	TN	VL	-15.11	-0.01806	PASS	
					VN	1.92	0.0023	PASS	
					VH	7.67	0.00917	PASS	
			HCH	TN	VL	0.13	0.00015	PASS	
					VN	1.79	0.00212	PASS	
					VH	-0.49	-0.00058	PASS	
		LTE/TM2	5	LCH	TN	VL	-2.46	-0.00298	PASS
						VN	-2.46	-0.00298	PASS
						VH	0.77	0.00093	PASS
				MCH	TN	VL	2.06	0.00246	PASS
						VN	-6.58	-0.00787	PASS
						VH	-14.29	-0.01708	PASS
	HCH	TN	VL	-5.18	-0.00612	PASS			
			VN	10.24	0.0121	PASS			
			VH	-1.85	-0.00219	PASS			
	10	LCH	TN	VL	-4.72	-0.00569	PASS		
				VN	3.92	0.00473	PASS		
				VH	0.01	0.00001	PASS		
		MCH	TN	VL	-12.65	-0.01512	PASS		
				VN	-18.22	-0.02178	PASS		
				VH	-11.47	-0.01371	PASS		
		HCH	TN	VL	0.23	0.00027	PASS		
				VN	-0.24	-0.00028	PASS		
				VH	-0.56	-0.00066	PASS		
BAND7		LTE/TM1	5	LCH	TN	VL	1.95	0.00078	PASS
						VN	5.04	0.00201	PASS
						VH	2.19	0.00088	PASS
	MCH			TN	VL	0.67	0.00026	PASS	
					VN	1.14	0.00045	PASS	
					VH	-2.43	-0.00096	PASS	
	HCH		TN	VL	2.72	0.00106	PASS		
				VN	-0.82	-0.00032	PASS		
				VH	1.49	0.00058	PASS		
	10		LCH	TN	VL	-1.23	-0.00049	PASS	
					VN	-0.37	-0.00015	PASS	
					VH	-0.13	-0.00005	PASS	
			MCH	TN	VL	-1.02	-0.0004	PASS	
					VN	2.05	0.00081	PASS	
					VH	-1.23	-0.00049	PASS	
	HCH		TN	VL	1.65	0.00064	PASS		
				VN	2.92	0.00114	PASS		
				VH					

LTE/TM2	15	LCH	TN	VH	3.2	0.00125	PASS	
				VL	0.04	0.00002	PASS	
				VN	0.43	0.00017	PASS	
		MCH	TN	VH	2.8	0.00112	PASS	
				VL	1.59	0.00063	PASS	
				VN	-1.73	-0.00068	PASS	
		HCH	TN	VH	-2.69	-0.00106	PASS	
				VL	-0.76	-0.0003	PASS	
				VN	1.24	0.00048	PASS	
		20	LCH	TN	VH	-0.74	-0.00029	PASS
					VL	-0.21	-0.00008	PASS
					VN	1.83	0.00073	PASS
			MCH	TN	VH	5.28	0.0021	PASS
					VL	-0.7	-0.00028	PASS
					VN	-1.32	-0.00052	PASS
	HCH		TN	VH	-4.28	-0.00169	PASS	
				VL	1.44	0.00056	PASS	
				VN	0.36	0.00014	PASS	
	5	LCH	TN	VH	3.69	0.00144	PASS	
				VL	1.42	0.00057	PASS	
				VN	-0.21	-0.00008	PASS	
		MCH	TN	VH	-2.03	-0.00081	PASS	
				VL	0.46	0.00018	PASS	
				VN	-0.13	-0.00005	PASS	
		HCH	TN	VH	-3.2	-0.00126	PASS	
				VL	2.83	0.0011	PASS	
				VN	0.31	0.00012	PASS	
		10	LCH	TN	VH	-2.92	-0.00114	PASS
					VL	0.83	0.00033	PASS
					VN	-0.7	-0.00028	PASS
			MCH	TN	VH	1.12	0.00045	PASS
					VL	2.06	0.00081	PASS
					VN	0.6	0.00024	PASS
	HCH		TN	VH	1.39	0.00055	PASS	
				VL	-1.5	-0.00058	PASS	
				VN	-2.25	-0.00088	PASS	
	15	LCH	TN	VH	1.39	0.00054	PASS	
				VL	-2.15	-0.00086	PASS	
				VN	2.73	0.00109	PASS	
		MCH	TN	VH	3.96	0.00158	PASS	
					VL	-2.99	-0.00118	PASS

					VN	-1.03	-0.00041	PASS		
					VH	-1.79	-0.00071	PASS		
			HCH	TN	VL	0.54	0.00021	PASS		
					VN	-1.37	-0.00053	PASS		
					VH	-1.44	-0.00056	PASS		
		20	LCH	TN	VL	0.7	0.00028	PASS		
							VN	-1.12	-0.00045	PASS
							VH	-0.16	-0.00006	PASS
				MCH	TN	VL	-1.16	-0.00046	PASS	
							VN	-3.69	-0.00146	PASS
							VH	1.5	0.00059	PASS
				HCH	TN	VL	1.89	0.00074	PASS	
							VN	-0.89	-0.00035	PASS
							VH	3.72	0.00145	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	5	LCH	VN	-30	-0.49	-0.00026	PASS
					-20	1.95	0.00105	PASS
					-10	-27.19	-0.01468	PASS
					0	4.92	0.00266	PASS
					10	1.5	0.00081	PASS
					20	2.89	0.00156	PASS
					30	4.33	0.00234	PASS
					40	2.33	0.00126	PASS
					50	1.56	0.00084	PASS
			MCH	VN	-30	-2.36	-0.00126	PASS
					-20	-1.5	-0.0008	PASS
					-10	-1.3	-0.00069	PASS
					0	-22.32	-0.01187	PASS
					10	-2.22	-0.00118	PASS
					20	-0.21	-0.00011	PASS
					30	0.67	0.00036	PASS
					40	-40.54	-0.02156	PASS
					50	-2.98	-0.00159	PASS
		HCH	VN	-30	-1.1	-0.00058	PASS	
				-20	1.7	0.00089	PASS	
				-10	-0.94	-0.00049	PASS	
				0	-1.03	-0.00054	PASS	
				10	-1.14	-0.0006	PASS	
				20	0.29	0.00015	PASS	
				30	-34.66	-0.01817	PASS	
				40	-2.72	-0.00143	PASS	
				50	-0.67	-0.00035	PASS	
		10	LCH	VN	-30	-1.23	-0.00066	PASS
					-20	1.07	0.00058	PASS
					-10	-0.76	-0.00041	PASS
0	0.87				0.00047	PASS		
10	-1.53				-0.00082	PASS		
20	-0.77				-0.00042	PASS		

			MCH	VN	30	-1.76	-0.00095	PASS
					40	-0.4	-0.00022	PASS
					50	-0.82	-0.00044	PASS
					-30	-4.72	-0.00251	PASS
					-20	1.47	0.00078	PASS
					-10	0.43	0.00023	PASS
					0	-2.07	-0.0011	PASS
					10	-3.82	-0.00203	PASS
					20	-4.12	-0.00219	PASS
					30	-0.94	-0.0005	PASS
					40	-1.34	-0.00071	PASS
					50	-2.16	-0.00115	PASS
			HCH	VN	-30	-0.96	-0.0005	PASS
					-20	3.03	0.00159	PASS
					-10	-0.37	-0.00019	PASS
					0	2.42	0.00127	PASS
					10	3.66	0.00192	PASS
					20	-0.66	-0.00035	PASS
					30	-2.56	-0.00134	PASS
					40	0.43	0.00023	PASS
			LCH	VN	50	-1.27	-0.00067	PASS
					-30	-2.9	-0.00156	PASS
					-20	-1.63	-0.00088	PASS
					-10	-1.26	-0.00068	PASS
					0	0.56	0.0003	PASS
					10	-2.36	-0.00127	PASS
					20	-0.2	-0.00011	PASS
					30	-0.7	-0.00038	PASS
					40	-2.57	-0.00138	PASS
					50	-1.66	-0.00089	PASS
			MCH	VN	-30	0.23	0.00012	PASS
					-20	-1.5	-0.0008	PASS
					-10	0.44	0.00023	PASS
					0	-1.6	-0.00085	PASS
					10	-0.63	-0.00034	PASS
					20	-1.93	-0.00103	PASS
					30	-0.31	-0.00016	PASS
					40	-0.13	-0.00007	PASS
					50	-1.92	-0.00102	PASS
			HCH	VN	-30	0.72	0.00038	PASS
-20	1.17	0.00061			PASS			

					-10	-2.86	-0.0015	PASS	
					0	-0.5	-0.00026	PASS	
					10	-1.03	-0.00054	PASS	
					20	-5.85	-0.00307	PASS	
					30	1.73	0.00091	PASS	
					40	0.59	0.00031	PASS	
					50	-2.39	-0.00126	PASS	
		20	LCH	VN	-30	-3.89	-0.00209	PASS	
					-20	-1.43	-0.00077	PASS	
					-10	0.44	0.00024	PASS	
					0	0.94	0.00051	PASS	
					10	-2.65	-0.00142	PASS	
					20	0.59	0.00032	PASS	
					30	-6.98	-0.00375	PASS	
					40	-6.65	-0.00358	PASS	
			50	-0.66	-0.00035	PASS			
				MCH	VN	-30	-3.29	-0.00175	PASS
			-20			-1.27	-0.00068	PASS	
			-10			-1.54	-0.00082	PASS	
			0			-1.32	-0.0007	PASS	
			10			-3.02	-0.00161	PASS	
			20			-2.79	-0.00148	PASS	
			30			-1.87	-0.00099	PASS	
			40			1.36	0.00072	PASS	
			50	-0.41	-0.00022	PASS			
				HCH	VN	-30	-0.72	-0.00038	PASS
			-20			-1.37	-0.00072	PASS	
			-10			-2.45	-0.00129	PASS	
			0			-3.82	-0.00201	PASS	
			10			-2.83	-0.00149	PASS	
			20			-2.45	-0.00129	PASS	
		30	-1.97			-0.00104	PASS		
		40	-3.92			-0.00206	PASS		
		50	-5.52	-0.00291	PASS				
	LTE/TM2	5	LCH	VN	-30	2.02	0.00109	PASS	
						-20	-1.09	-0.00059	PASS
						-10	2.03	0.0011	PASS
						0	-2.43	-0.00131	PASS
						10	-3.86	-0.00208	PASS
						20	-0.11	-0.00006	PASS
						30	0.79	0.00043	PASS

			MCH	VN	40	-0.56	-0.0003	PASS		
					50	0.9	0.00049	PASS		
					-30	-30.68	-0.01632	PASS		
					-20	-2.42	-0.00129	PASS		
					-10	-0.11	-0.00006	PASS		
					0	1.79	0.00095	PASS		
					10	-3.82	-0.00203	PASS		
					20	0.5	0.00027	PASS		
					30	-0.9	-0.00048	PASS		
					40	-0.94	-0.0005	PASS		
					50	-2.3	-0.00122	PASS		
			HCH	VN	-30	-2.1	-0.0011	PASS		
					-20	-14.36	-0.00753	PASS		
					-10	-1.62	-0.00085	PASS		
					0	-0.97	-0.00051	PASS		
					10	-0.3	-0.00016	PASS		
					20	-3.13	-0.00164	PASS		
					30	-2.19	-0.00115	PASS		
					40	-2.42	-0.00127	PASS		
			50	-2.8	-0.00147	PASS				
			LCH	VN	-30	-2.19	-0.00118	PASS		
					-20	-4.49	-0.00242	PASS		
					-10	0.66	0.00036	PASS		
					0	0.4	0.00022	PASS		
					10	1.07	0.00058	PASS		
					20	-2.69	-0.00145	PASS		
					30	-1.09	-0.00059	PASS		
					40	0.23	0.00012	PASS		
					50	1.73	0.00093	PASS		
					MCH	VN	-30	-2.03	-0.00108	PASS
							-20	-0.47	-0.00025	PASS
			-10	-2.07			-0.0011	PASS		
			0	0.17			0.00009	PASS		
			10	1.29			0.00069	PASS		
			20	-2.13			-0.00113	PASS		
			30	-2.03			-0.00108	PASS		
			40	-1.46			-0.00078	PASS		
			50	-1.67	-0.00089	PASS				
			HCH	VN	-30	-2.78	-0.00146	PASS		
					-20	-1.06	-0.00056	PASS		
					-10	-2	-0.00105	PASS		

				0	-0.4	-0.00021	PASS		
				10	1.63	0.00086	PASS		
				20	-1.9	-0.001	PASS		
				30	-0.43	-0.00023	PASS		
				40	4.36	0.00229	PASS		
				50	1.52	0.0008	PASS		
		15	LCH	VN	-30	1.75	0.00094	PASS	
					-20	-2.79	-0.0015	PASS	
					-10	-1.89	-0.00102	PASS	
					0	2.09	0.00113	PASS	
					10	-1.34	-0.00072	PASS	
				20	-1.24	-0.00067	PASS		
				30	-3.4	-0.00183	PASS		
				40	-1.7	-0.00092	PASS		
				50	-1.39	-0.00075	PASS		
				MCH	VN	-30	-0.77	-0.00041	PASS
						-20	-0.97	-0.00052	PASS
						-10	0.44	0.00023	PASS
						0	32.13	0.01709	PASS
						10	11.92	0.00634	PASS
				20	-42.14	-0.02241	PASS		
			30	-3.46	-0.00184	PASS			
			40	-3.66	-0.00195	PASS			
			50	-1	-0.00053	PASS			
			HCH	VN	-30	-1.77	-0.00093	PASS	
					-20	-1.73	-0.00091	PASS	
					-10	-0.11	-0.00006	PASS	
					0	-0.96	-0.0005	PASS	
					10	-0.56	-0.00029	PASS	
			20	-1.32	-0.00069	PASS			
			30	-2.19	-0.00115	PASS			
			40	-1.97	-0.00104	PASS			
			50	-0.83	-0.00044	PASS			
		20	LCH	VN	-30	-37.57	-0.0202	PASS	
						-20	27.49	0.01478	PASS
						-10	-80.28	-0.04316	PASS
						0	-36.08	-0.0194	PASS
						10	10.06	0.00541	PASS
						20	12.83	0.0069	PASS
						30	-7.51	-0.00404	PASS
						40	-12.16	-0.00654	PASS

			MCH	VN	50	-6.67	-0.00359	PASS
					-30	0.47	0.00025	PASS
					-20	-2.45	-0.0013	PASS
					-10	-0.56	-0.0003	PASS
					0	-2.13	-0.00113	PASS
					10	-0.93	-0.00049	PASS
					20	-3.98	-0.00212	PASS
					30	-0.99	-0.00053	PASS
					40	-2.66	-0.00141	PASS
			HCH	VN	50	-3.38	-0.0018	PASS
					-30	-2.68	-0.00141	PASS
					-20	-0.37	-0.00019	PASS
					-10	-2.5	-0.00132	PASS
					0	-1.32	-0.00069	PASS
					10	0.33	0.00017	PASS
					20	-3.03	-0.00159	PASS
					30	-5.19	-0.00273	PASS
					40	-2.82	-0.00148	PASS
BAND4	LTE/TM1	5	LCH	VN	-30	1.52	0.00089	PASS
					-20	1.76	0.00103	PASS
					-10	-15.21	-0.00888	PASS
					0	2.22	0.0013	PASS
					10	0.94	0.00055	PASS
					20	-0.93	-0.00054	PASS
					30	0.51	0.0003	PASS
					40	-2.15	-0.00126	PASS
					50	0.76	0.00044	PASS
			MCH	VN	-30	0.23	0.00013	PASS
					-20	-5.97	-0.00345	PASS
					-10	-0.19	-0.00011	PASS
					0	0.7	0.0004	PASS
					10	-3.33	-0.00192	PASS
					20	-2.93	-0.00169	PASS
					30	-0.46	-0.00027	PASS
					40	2.22	0.00128	PASS
					50	1.69	0.00098	PASS
HCH	VN	-30	-12.33	-0.00704	PASS			
		-20	2.69	0.00153	PASS			
		-10	-0.82	-0.00047	PASS			
		0	-3.36	-0.00192	PASS			

				10	-11.84	-0.00676	PASS		
				20	0.2	0.00011	PASS		
				30	0.67	0.00038	PASS		
				40	-2.09	-0.00119	PASS		
				50	-0.57	-0.00033	PASS		
		10	LCH	VN	-30	-2.76	-0.00161	PASS	
					-20	-1.67	-0.00097	PASS	
					-10	-4.39	-0.00256	PASS	
					0	1.23	0.00072	PASS	
					10	-1.43	-0.00083	PASS	
					20	-0.82	-0.00048	PASS	
				MCH	VN	30	-1.89	-0.0011	PASS
						40	0.04	0.00002	PASS
						50	-1.72	-0.001	PASS
						-30	2.3	0.00133	PASS
						-20	6.57	0.00379	PASS
						-10	1.72	0.00099	PASS
				HCH	VN	0	0.11	0.00006	PASS
						10	-4.72	-0.00272	PASS
			20			-0.79	-0.00046	PASS	
			30			-7.87	-0.00454	PASS	
			40			1.02	0.00059	PASS	
			50			0.4	0.00023	PASS	
			-30			0.76	0.00043	PASS	
			-20			-0.06	-0.00003	PASS	
		15	LCH	VN	-10	-0.53	-0.0003	PASS	
					0	-2.22	-0.00127	PASS	
					10	-0.99	-0.00057	PASS	
					20	-4.35	-0.00249	PASS	
					30	0.51	0.00029	PASS	
					40	-4.82	-0.00275	PASS	
					50	0.67	0.00038	PASS	
						-30	-1.69	-0.00098	PASS
						-20	-0.34	-0.0002	PASS
			-10	-1.4	-0.00082	PASS			
			0	-0.87	-0.00051	PASS			
			10	-0.43	-0.00025	PASS			
			20	-0.92	-0.00054	PASS			
			30	-1.33	-0.00077	PASS			
			40	-1.6	-0.00093	PASS			
			50	-2.16	-0.00126	PASS			

			MCH	VN	-30	-0.11	-0.00006	PASS	
					-20	2.9	0.00167	PASS	
					-10	-0.97	-0.00056	PASS	
					0	-0.49	-0.00028	PASS	
					10	-0.62	-0.00036	PASS	
					20	-2.1	-0.00121	PASS	
					30	-0.09	-0.00005	PASS	
					40	-3	-0.00173	PASS	
					50	0.33	0.00019	PASS	
			HCH	VN	-30	0.19	0.00011	PASS	
					-20	-0.31	-0.00018	PASS	
					-10	-0.34	-0.00019	PASS	
					0	-5.02	-0.00287	PASS	
					10	-3.35	-0.00192	PASS	
					20	0.3	0.00017	PASS	
					30	0.93	0.00053	PASS	
					40	-1.5	-0.00086	PASS	
					50	1.32	0.00076	PASS	
			20	LCH	VN	-30	-2.05	-0.00119	PASS
						-20	-1.17	-0.00068	PASS
						-10	-1.04	-0.0006	PASS
						0	-1.53	-0.00089	PASS
						10	-0.44	-0.00026	PASS
						20	-0.79	-0.00046	PASS
						30	-0.77	-0.00045	PASS
						40	-2	-0.00116	PASS
						50	-2.8	-0.00163	PASS
				MCH	VN	-30	-0.19	-0.00011	PASS
						-20	0.67	0.00039	PASS
						-10	-0.41	-0.00024	PASS
						0	-1.52	-0.00088	PASS
						10	0.49	0.00028	PASS
						20	0.23	0.00013	PASS
						30	-1.76	-0.00102	PASS
						40	0.59	0.00034	PASS
						50	-1.56	-0.0009	PASS
			HCH	VN	-30	-2.1	-0.0012	PASS	
					-20	0.49	0.00028	PASS	
					-10	0.33	0.00019	PASS	
					0	9.8	0.00562	PASS	
					10	0.56	0.00032	PASS	

LTE/TM2	5	LCH	VN	20	-1.22	-0.0007	PASS
				30	1.42	0.00081	PASS
				40	-3.68	-0.00211	PASS
				50	-1.09	-0.00062	PASS
				-30	-0.59	-0.00034	PASS
				-20	-0.31	-0.00018	PASS
				-10	-5.51	-0.00322	PASS
				0	-1.34	-0.00078	PASS
				10	1.99	0.00116	PASS
				20	0.17	0.0001	PASS
				30	-1.2	-0.0007	PASS
				40	-2.7	-0.00158	PASS
				50	-1.65	-0.00096	PASS
				MCH	VN	-30	-1.96
		-20	0.07			0.00004	PASS
		-10	0.24			0.00014	PASS
		0	-0.04			-0.00002	PASS
		10	-0.99			-0.00057	PASS
		20	-3.98			-0.0023	PASS
		30	-2.29			-0.00132	PASS
		40	-1.14			-0.00066	PASS
		HCH	VN	50	-0.54	-0.00031	PASS
				-30	-1.67	-0.00095	PASS
				-20	1.5	0.00086	PASS
				-10	-10.7	-0.00611	PASS
				0	0.33	0.00019	PASS
				10	-0.94	-0.00054	PASS
				20	-3.05	-0.00174	PASS
				30	2.59	0.00148	PASS
		LCH	VN	40	-2.19	-0.00125	PASS
				50	-1.99	-0.00114	PASS
				-30	-2.42	-0.00141	PASS
				-20	-2.19	-0.00128	PASS
				-10	-0.77	-0.00045	PASS
				0	-2.42	-0.00141	PASS
				10	-1.29	-0.00075	PASS
				20	-2.9	-0.00169	PASS
				30	-2.76	-0.00161	PASS
				40	-3.4	-0.00198	PASS
		MCH	VN	50	-0.94	-0.00055	PASS
-30	-0.66			-0.00038	PASS		

					-20	0.54	0.00031	PASS
					-10	-2.47	-0.00143	PASS
					0	-1.89	-0.00109	PASS
					10	1.75	0.00101	PASS
					20	0.13	0.00008	PASS
					30	-2.33	-0.00134	PASS
					40	-0.39	-0.00023	PASS
					50	-0.13	-0.00008	PASS
			HCH	VN	-30	-2.49	-0.00142	PASS
			HCH	VN	-20	-3.06	-0.00175	PASS
			HCH	VN	-10	1.16	0.00066	PASS
			HCH	VN	0	-1.17	-0.00067	PASS
			HCH	VN	10	-0.24	-0.00014	PASS
			HCH	VN	20	-1.16	-0.00066	PASS
			HCH	VN	30	0.14	0.00008	PASS
			HCH	VN	40	-0.11	-0.00006	PASS
			HCH	VN	50	-0.39	-0.00022	PASS
		15	LCH	VN	-30	0.17	0.0001	PASS
					-20	-3.33	-0.00194	PASS
					-10	-0.86	-0.0005	PASS
					0	-0.09	-0.00005	PASS
					10	0.37	0.00022	PASS
					20	0.01	0.00001	PASS
					30	-3.5	-0.00204	PASS
					40	0.39	0.00023	PASS
					50	3.06	0.00178	PASS
			MCH	VN	-30	-0.27	-0.00016	PASS
					-20	1.12	0.00065	PASS
					-10	1.7	0.00098	PASS
					0	2.32	0.00134	PASS
					10	-2.52	-0.00145	PASS
					20	2.4	0.00139	PASS
					30	2.26	0.0013	PASS
					40	-1.29	-0.00074	PASS
					50	-0.26	-0.00015	PASS
			HCH	VN	-30	-0.73	-0.00042	PASS
					-20	-5.28	-0.00302	PASS
					-10	-0.31	-0.00018	PASS
					0	-2.55	-0.00146	PASS
					10	0.33	0.00019	PASS
					20	-4.18	-0.00239	PASS

		20	LCH	VN	30	0.49	0.00028	PASS		
					40	-0.23	-0.00013	PASS		
					50	-4.16	-0.00238	PASS		
					-30	-1.93	-0.00112	PASS		
					-20	-1.13	-0.00066	PASS		
					-10	-1.67	-0.00097	PASS		
			0	-1.02	-0.00059	PASS				
			10	1.8	0.00105	PASS				
			20	-0.63	-0.00037	PASS				
			30	0.09	0.00005	PASS				
			40	1.39	0.00081	PASS				
			50	-0.73	-0.00042	PASS				
		MCH	VN	-30	0.63	0.00036	PASS			
				-20	-0.82	-0.00047	PASS			
				-10	-1.52	-0.00088	PASS			
				0	-0.57	-0.00033	PASS			
				10	-2.42	-0.0014	PASS			
				20	-2.12	-0.00122	PASS			
				30	-3.22	-0.00186	PASS			
				40	-2.1	-0.00121	PASS			
		HCH	VN	50	2.12	0.00122	PASS			
				-30	-4.53	-0.0026	PASS			
				-20	-0.76	-0.00044	PASS			
				-10	-4.02	-0.0023	PASS			
				0	0.01	0.00001	PASS			
				10	0.07	0.00004	PASS			
				20	0.07	0.00004	PASS			
				30	0.34	0.00019	PASS			
		BAND5	LTE/TM1	5	LCH	VN	-30	-1.8	-0.00218	PASS
							-20	1.23	0.00149	PASS
							-10	-1.29	-0.00156	PASS
							0	2.75	0.00333	PASS
							10	-0.3	-0.00036	PASS
					20	-2	-0.00242	PASS		
					30	-3.36	-0.00407	PASS		
					40	-1.17	-0.00142	PASS		
50	2.5				0.00302	PASS				
MCH	VN				-30	-3.52	-0.00421	PASS		
		-20	2.29	0.00274	PASS					

					-10	4.89	0.00585	PASS
					0	6.39	0.00764	PASS
					10	1.37	0.00164	PASS
					20	1.76	0.0021	PASS
					30	4.23	0.00506	PASS
					40	1.26	0.00151	PASS
					50	0.07	0.00008	PASS
			HCH	VN	-30	1.03	0.00122	PASS
			HCH	VN	-20	2.02	0.00239	PASS
			HCH	VN	-10	1.76	0.00208	PASS
			HCH	VN	0	-1.07	-0.00126	PASS
			HCH	VN	10	0.87	0.00103	PASS
			HCH	VN	20	-0.8	-0.00095	PASS
			HCH	VN	30	3.76	0.00444	PASS
			HCH	VN	40	-4.16	-0.00491	PASS
			HCH	VN	50	-1.27	-0.0015	PASS
			LCH	VN	-30	-0.74	-0.00089	PASS
			LCH	VN	-20	0.49	0.00059	PASS
			LCH	VN	-10	11.39	0.01374	PASS
			LCH	VN	0	-5.61	-0.00677	PASS
			LCH	VN	10	7.47	0.00901	PASS
			LCH	VN	20	-10.27	-0.01239	PASS
			LCH	VN	30	3.72	0.00449	PASS
			LCH	VN	40	6.12	0.00738	PASS
			LCH	VN	50	9.23	0.01113	PASS
			MCH	VN	-30	-14.62	-0.01748	PASS
			MCH	VN	-20	-5.25	-0.00628	PASS
			MCH	VN	-10	-1.42	-0.0017	PASS
			MCH	VN	0	-6.51	-0.00778	PASS
			MCH	VN	10	-3	-0.00359	PASS
			MCH	VN	20	-2.49	-0.00298	PASS
			MCH	VN	30	-3.03	-0.00362	PASS
			MCH	VN	40	-10.93	-0.01307	PASS
			MCH	VN	50	-4.12	-0.00493	PASS
			HCH	VN	-30	-1.4	-0.00166	PASS
			HCH	VN	-20	-0.37	-0.00044	PASS
			HCH	VN	-10	-0.54	-0.00064	PASS
			HCH	VN	0	-0.92	-0.00109	PASS
			HCH	VN	10	-2.22	-0.00263	PASS
			HCH	VN	20	-0.2	-0.00024	PASS
			HCH	VN	30	-2.66	-0.00315	PASS

LTE/TM2	5	LCH	VN	40	-0.6	-0.00071	PASS
				50	-3.16	-0.00374	PASS
				-30	3.38	0.00409	PASS
				-20	0.21	0.00025	PASS
				-10	8.3	0.01004	PASS
				0	-0.14	-0.00017	PASS
				10	-2.06	-0.00249	PASS
				20	-1.16	-0.0014	PASS
				30	0.09	0.00011	PASS
				40	-1.3	-0.00157	PASS
		50	2.98	0.00361	PASS		
		MCH	VN	-30	9.73	0.01163	PASS
				-20	-0.99	-0.00118	PASS
				-10	2.75	0.00329	PASS
				0	-1.75	-0.00209	PASS
				10	-2.62	-0.00313	PASS
				20	-1.56	-0.00186	PASS
				30	0.34	0.00041	PASS
				40	6.9	0.00825	PASS
				50	3.33	0.00398	PASS
	HCH			VN	-30	-3.93	-0.00464
		-20	-0.72		-0.00085	PASS	
		-10	1.17		0.00138	PASS	
		0	-0.74		-0.00087	PASS	
		10	0.34		0.0004	PASS	
		20	0.56		0.00066	PASS	
		30	5.19		0.00613	PASS	
		40	-0.01		-0.00001	PASS	
		50	0.77		0.00091	PASS	
		10	LCH		VN	-30	-0.47
	-20			0.57		0.00069	PASS
	-10			2.93		0.00353	PASS
	0			1.37		0.00165	PASS
	10			-0.29		-0.00035	PASS
	20			-0.26		-0.00031	PASS
	30			0.83		0.001	PASS
	40			2.07		0.0025	PASS
	50			-0.94		-0.00113	PASS
	MCH			VN		-30	-15.79
		-20	1.72		0.00206	PASS	
-10		-8.61	-0.01029		PASS		

					0	7.35	0.00879	PASS					
					10	-1.22	-0.00146	PASS					
					20	-8.57	-0.01025	PASS					
					30	-2.26	-0.0027	PASS					
					40	-0.77	-0.00092	PASS					
					50	-5.41	-0.00647	PASS					
			HCH	VN	-30	-0.3	-0.00036	PASS					
					-20	-0.43	-0.00051	PASS					
					-10	-1.77	-0.0021	PASS					
					0	0.2	0.00024	PASS					
					10	1.24	0.00147	PASS					
					20	0.13	0.00015	PASS					
					30	0.24	0.00028	PASS					
					40	-0.03	-0.00004	PASS					
					50	-0.1	-0.00012	PASS					
					BAND7	LTE/TM1	5	LCH	VN	-30	1.19	0.00048	PASS
										-20	-2.19	-0.00088	PASS
-10	-3.03	-0.00121	PASS										
0	-5.65	-0.00226	PASS										
10	-2.12	-0.00085	PASS										
20	0.36	0.00014	PASS										
30	2.32	0.00093	PASS										
40	-0.86	-0.00034	PASS										
50	-2.52	-0.00101	PASS										
MCH	VN	-30	-2.57	-0.00101				PASS					
		-20	-2.37	-0.00093				PASS					
		-10	-1.82	-0.00072				PASS					
		0	-1.3	-0.00051				PASS					
		10	-2.95	-0.00116				PASS					
		20	1.63	0.00064				PASS					
		30	0.82	0.00032				PASS					
		40	-1.96	-0.00077				PASS					
HCH	VN	-30	-1.17	-0.00046	PASS								
		-20	-0.57	-0.00022	PASS								
		-10	-1.5	-0.00058	PASS								
		0	-3.2	-0.00125	PASS								
		10	0.41	0.00016	PASS								
		20	-0.51	-0.0002	PASS								
		30	-4.18	-0.00163	PASS								
		40	-3.83	-0.00149	PASS								



					10	-2.39	-0.00094	PASS		
					20	0.86	0.00034	PASS		
					30	1.23	0.00049	PASS		
					40	0.59	0.00023	PASS		
					50	-2.99	-0.00118	PASS		
					HCH	VN	-30	-4.56	-0.00178	PASS
							-20	-3.15	-0.00123	PASS
							-10	-0.74	-0.00029	PASS
							0	-3.58	-0.0014	PASS
							10	-2	-0.00078	PASS
		20	-2.65	-0.00103			PASS			
		30	-0.74	-0.00029			PASS			
		40	-2.59	-0.00101			PASS			
		50	-1.54	-0.0006			PASS			
		LCH	VN	-30			-2.86	-0.00114	PASS	
				-20	-1.17	-0.00047	PASS			
				-10	-0.43	-0.00017	PASS			
				0	0.14	0.00006	PASS			
				10	-1.02	-0.00041	PASS			
				20	-3.68	-0.00147	PASS			
				30	-2.66	-0.00106	PASS			
				40	-4.28	-0.00171	PASS			
				50	-2.33	-0.00093	PASS			
				MCH	VN	-30	-2.23	-0.00088	PASS	
		-20	-2.82			-0.00111	PASS			
		-10	-3.26			-0.00129	PASS			
		0	-0.17			-0.00007	PASS			
		10	-2.57			-0.00101	PASS			
		20	-2.25			-0.00089	PASS			
		30	-2.16			-0.00085	PASS			
		40	0.6			0.00024	PASS			
		50	-2.62			-0.00103	PASS			
		HCH	VN			-30	2.16	0.00084	PASS	
				-20	1.39	0.00054	PASS			
				-10	0.5	0.0002	PASS			
				0	1.39	0.00054	PASS			
				10	2.56	0.001	PASS			
				20	2.56	0.001	PASS			
				30	2.1	0.00082	PASS			
				40	3.32	0.0013	PASS			
50	0.99			0.00039	PASS					

	LTE/TM2	5	LCH	VN	-30	-2.43	-0.00097	PASS
					-20	-1.2	-0.00048	PASS
					-10	-0.56	-0.00022	PASS
					0	-0.7	-0.00028	PASS
					10	-1.39	-0.00056	PASS
					20	-3.1	-0.00124	PASS
					30	-0.74	-0.0003	PASS
					40	-0.53	-0.00021	PASS
					50	1.2	0.00048	PASS
			MCH	VN	-30	-4.19	-0.00165	PASS
					-20	-0.93	-0.00037	PASS
					-10	-3.4	-0.00134	PASS
					0	-2.02	-0.0008	PASS
					10	1.22	0.00048	PASS
					20	-3.48	-0.00137	PASS
					30	-4.33	-0.00171	PASS
					40	-2.46	-0.00097	PASS
					50	-7.05	-0.00278	PASS
			HCH	VN	-30	0.3	0.00012	PASS
					-20	-7.3	-0.00284	PASS
					-10	-1.47	-0.00057	PASS
					0	-1.23	-0.00048	PASS
					10	-5.44	-0.00212	PASS
					20	-3.4	-0.00132	PASS
					30	-0.84	-0.00033	PASS
					40	0.86	0.00033	PASS
					50	-2.68	-0.00104	PASS
		10	LCH	VN	-30	-2.7	-0.00108	PASS
					-20	-1.42	-0.00057	PASS
					-10	-3.99	-0.00159	PASS
					0	1.22	0.00049	PASS
					10	-2.82	-0.00113	PASS
					20	-3.36	-0.00134	PASS
					30	-0.14	-0.00006	PASS
					40	-3.43	-0.00137	PASS
					50	-3.82	-0.00152	PASS
			MCH	VN	-30	-3.95	-0.00156	PASS
					-20	-1.6	-0.00063	PASS
					-10	-1.03	-0.00041	PASS
					0	-1.7	-0.00067	PASS
					10	-3.93	-0.00155	PASS



				20	-3.58	-0.00141	PASS	
				30	-5.99	-0.00236	PASS	
				40	-2.93	-0.00116	PASS	
				50	-3.78	-0.00149	PASS	
			HCH	VN	-30	-0.13	-0.00005	PASS
			HCH	VN	-20	-1.03	-0.0004	PASS
			HCH	VN	-10	-3.1	-0.00121	PASS
			HCH	VN	0	-2.13	-0.00083	PASS
			HCH	VN	10	-0.9	-0.00035	PASS
			HCH	VN	20	-3.5	-0.00136	PASS
			HCH	VN	30	0.64	0.00025	PASS
			HCH	VN	40	-2.57	-0.001	PASS
			HCH	VN	50	-1.12	-0.00044	PASS
			LCH	VN	-30	-0.2	-0.00008	PASS
			LCH	VN	-20	-3.23	-0.00129	PASS
			LCH	VN	-10	0.31	0.00012	PASS
			LCH	VN	0	0.33	0.00013	PASS
			LCH	VN	10	-2.5	-0.001	PASS
			LCH	VN	20	-2.95	-0.00118	PASS
			LCH	VN	30	0.72	0.00029	PASS
			LCH	VN	40	-2.17	-0.00087	PASS
			LCH	VN	50	0.36	0.00014	PASS
			MCH	VN	-30	-2.1	-0.00083	PASS
			MCH	VN	-20	-2.1	-0.00083	PASS
			MCH	VN	-10	-4.09	-0.00161	PASS
			MCH	VN	0	-2.95	-0.00116	PASS
			MCH	VN	10	-1.16	-0.00046	PASS
			MCH	VN	20	-0.06	-0.00002	PASS
			MCH	VN	30	-1.96	-0.00077	PASS
			MCH	VN	40	-2.62	-0.00103	PASS
			MCH	VN	50	-4.68	-0.00185	PASS
			HCH	VN	-30	-1.03	-0.0004	PASS
			HCH	VN	-20	-1.67	-0.00065	PASS
			HCH	VN	-10	0.93	0.00036	PASS
			HCH	VN	0	-2.35	-0.00092	PASS
			HCH	VN	10	-1.57	-0.00061	PASS
			HCH	VN	20	0.13	0.00005	PASS
			HCH	VN	30	-2.2	-0.00086	PASS
			HCH	VN	40	-4.18	-0.00163	PASS
			HCH	VN	50	-3.66	-0.00143	PASS
		20	LCH	VN	-30	-3.69	-0.00147	PASS

					-20	-1.14	-0.00045	PASS
					-10	0.11	0.00004	PASS
					0	-0.03	-0.00001	PASS
					10	-2.46	-0.00098	PASS
					20	-3.55	-0.00141	PASS
					30	-1.72	-0.00069	PASS
					40	-1.92	-0.00076	PASS
					50	-0.79	-0.00031	PASS
			MCH	VN	-30	-1.72	-0.00068	PASS
			MCH	VN	-20	-3.13	-0.00123	PASS
			MCH	VN	-10	-1.53	-0.0006	PASS
			MCH	VN	0	-3.69	-0.00146	PASS
			MCH	VN	10	-3.25	-0.00128	PASS
			MCH	VN	20	-1.36	-0.00054	PASS
			MCH	VN	30	-4.16	-0.00164	PASS
			MCH	VN	40	-5.75	-0.00227	PASS
			MCH	VN	50	0.97	0.00038	PASS
			HCH	VN	-30	1.63	0.00064	PASS
			HCH	VN	-20	1.16	0.00045	PASS
			HCH	VN	-10	-2.78	-0.00109	PASS
			HCH	VN	0	0.39	0.00015	PASS
			HCH	VN	10	1.9	0.00074	PASS
			HCH	VN	20	-0.49	-0.00019	PASS
			HCH	VN	30	-1.1	-0.00043	PASS
			HCH	VN	40	-0.53	-0.00021	PASS
			HCH	VN	50	-2.35	-0.00092	PASS

END