





6.1.1.2 Test Mode = LTE/TM2

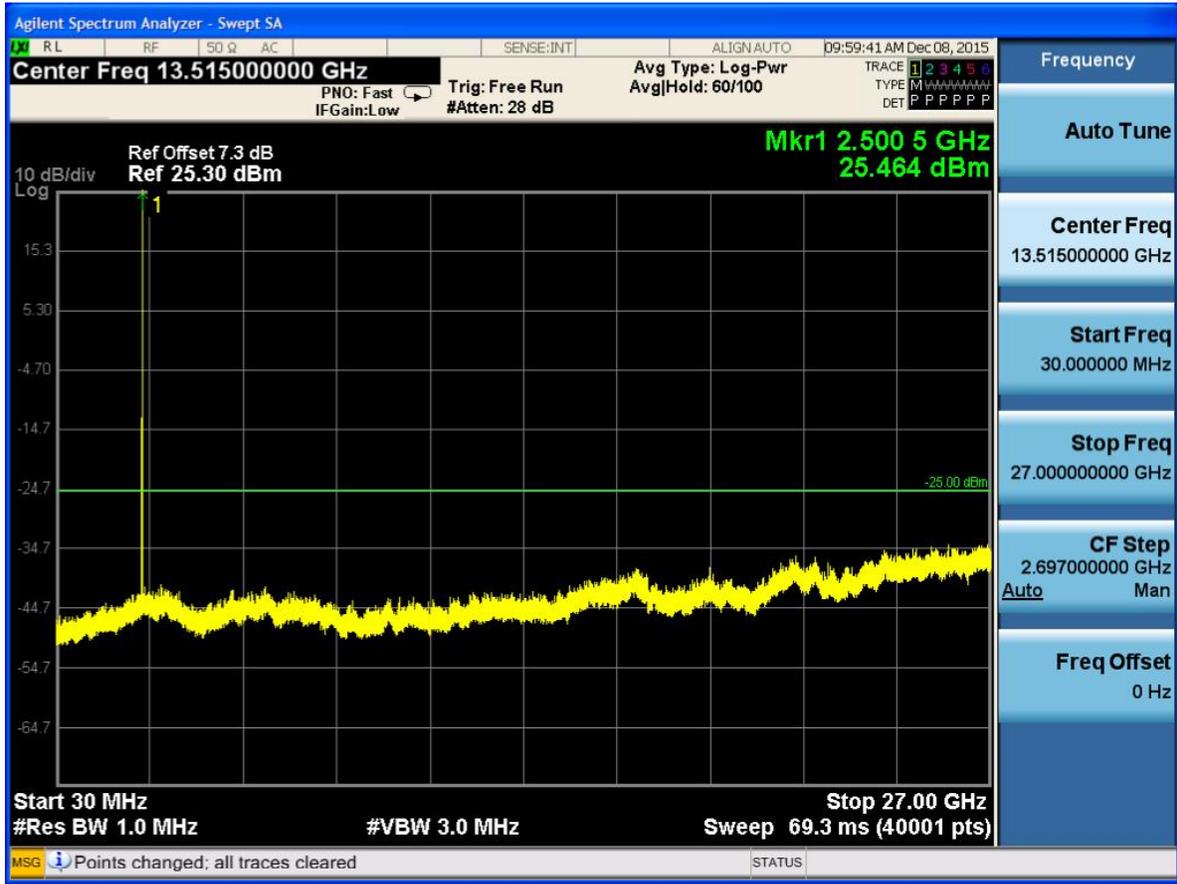
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



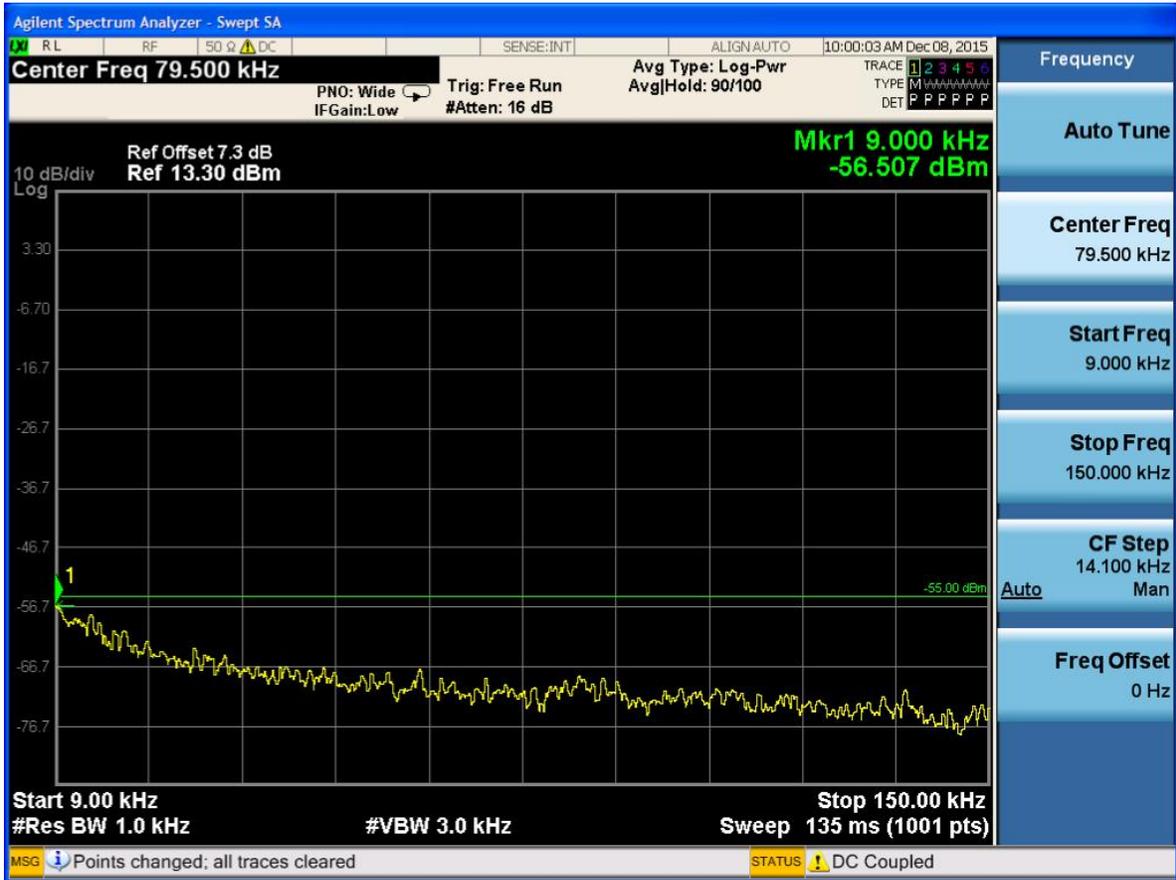


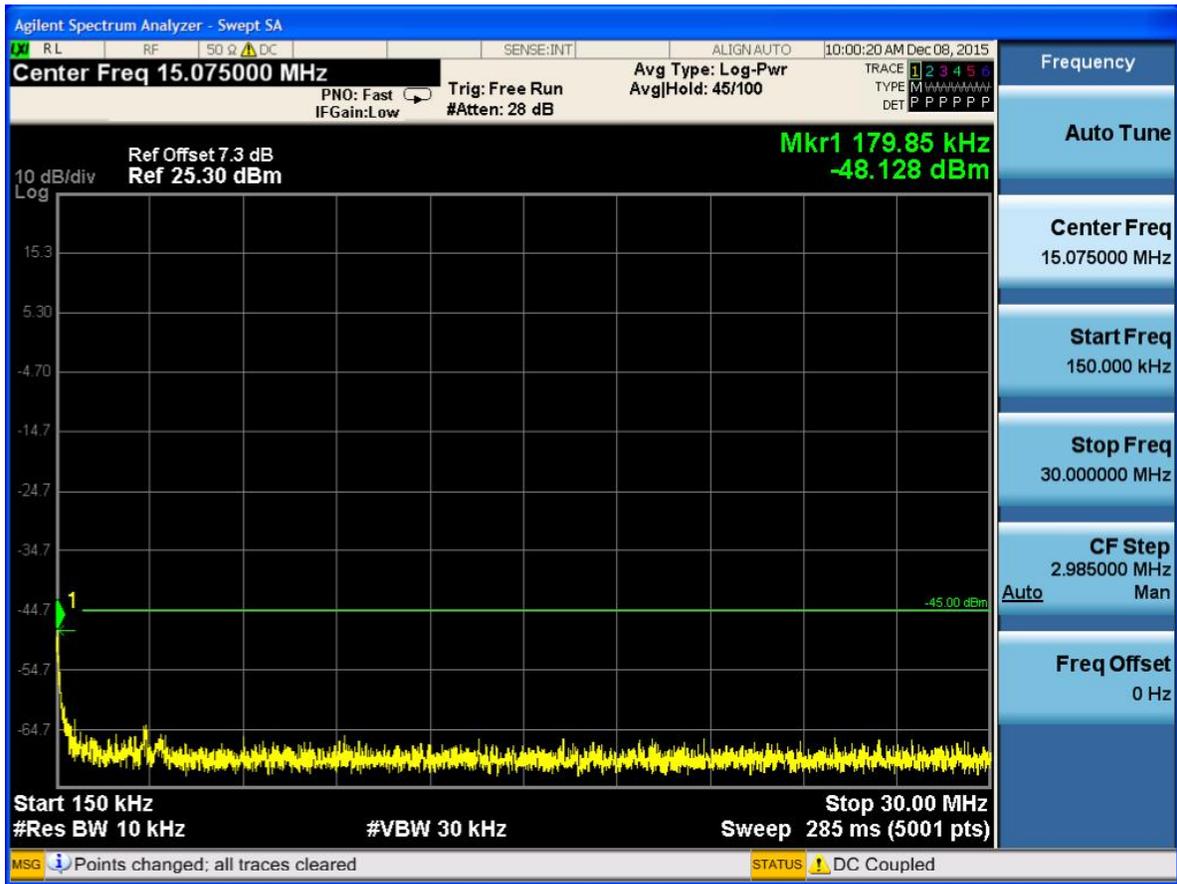




6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0









6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





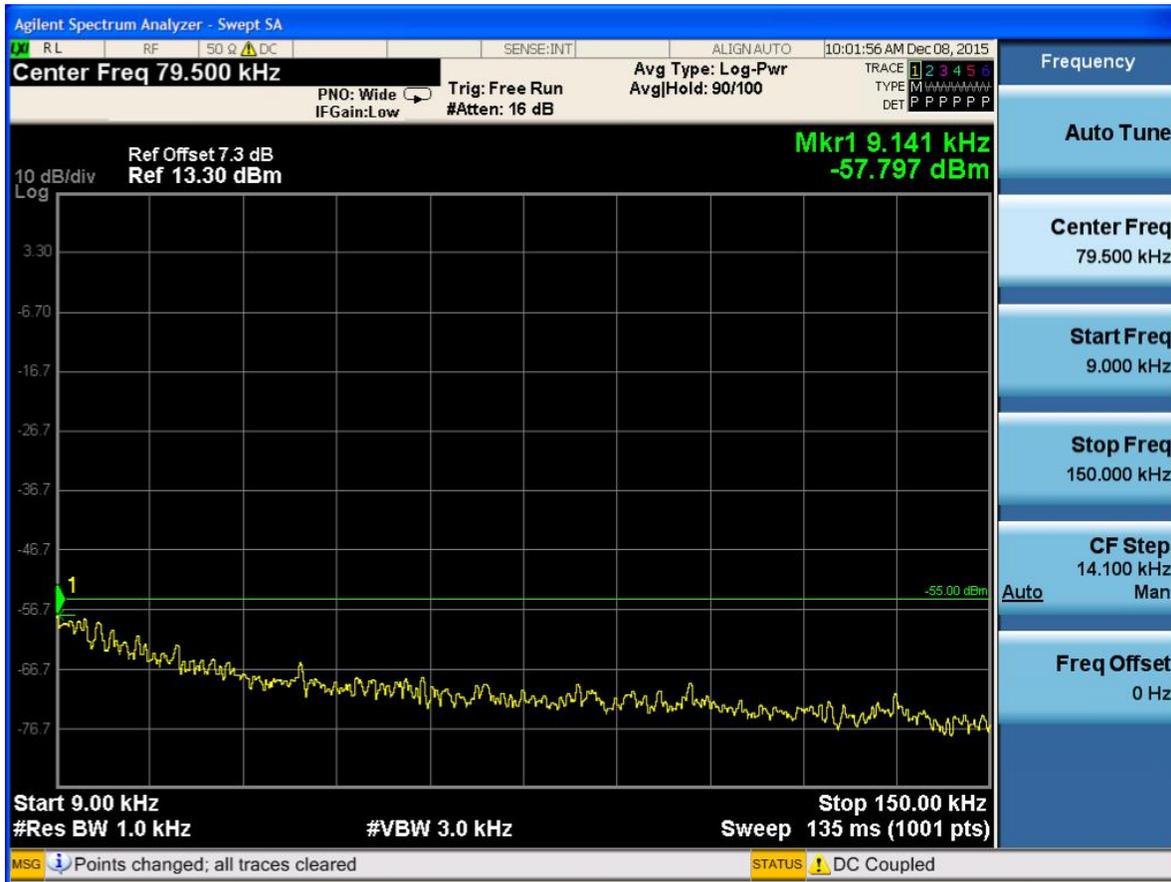




6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0







6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0







6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





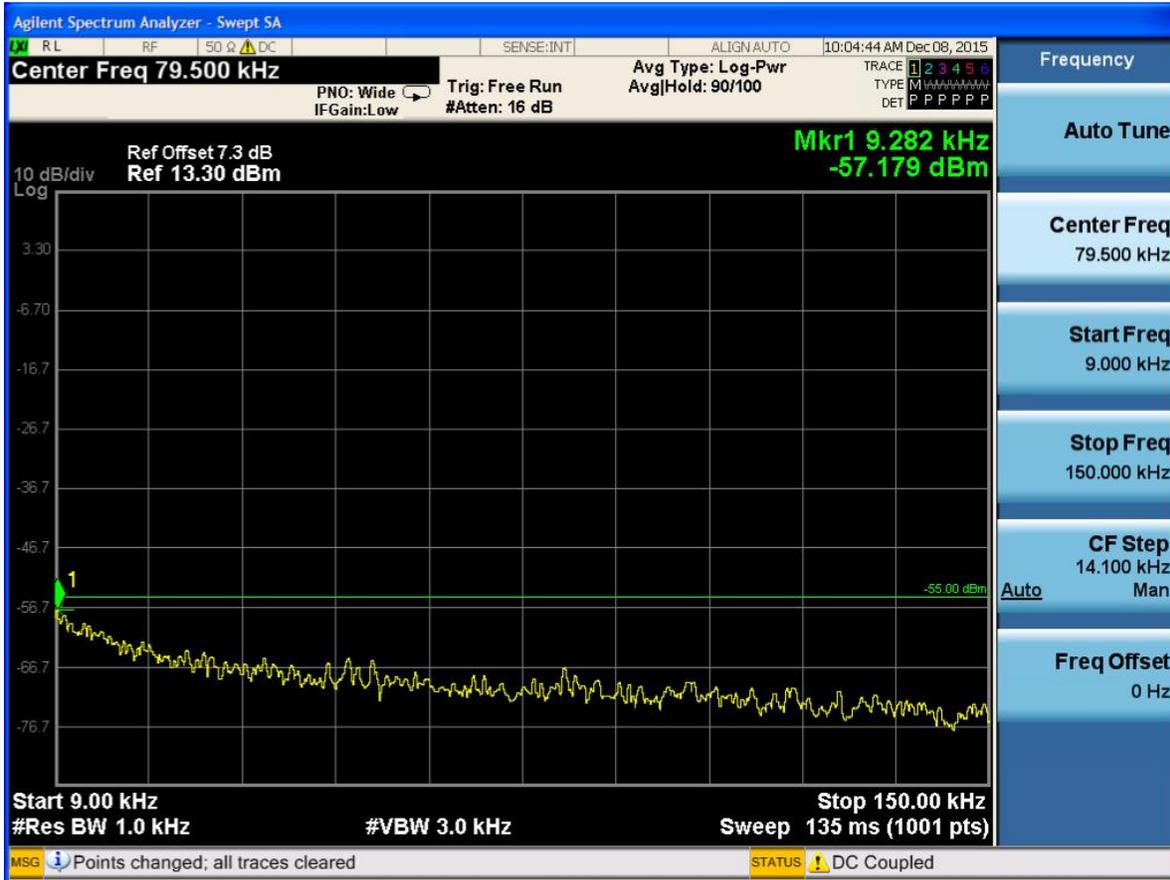




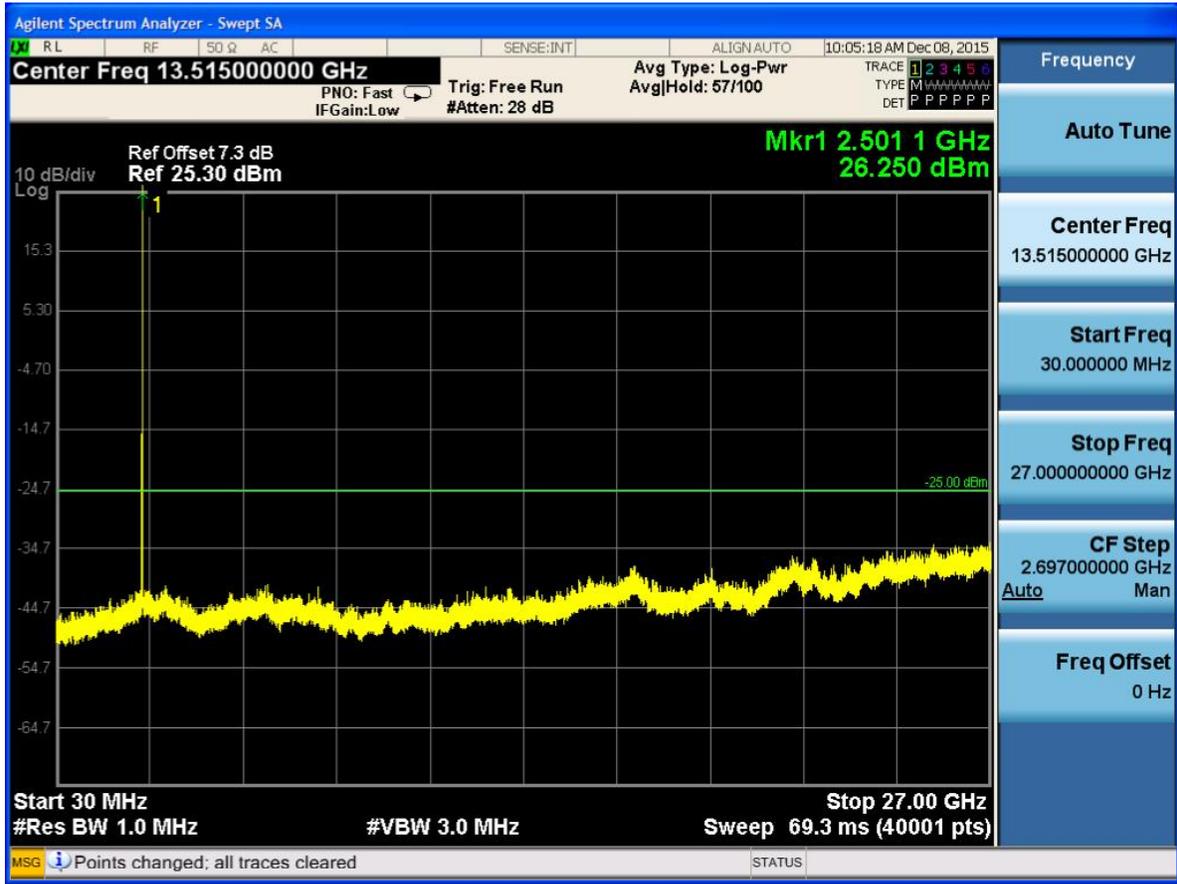
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



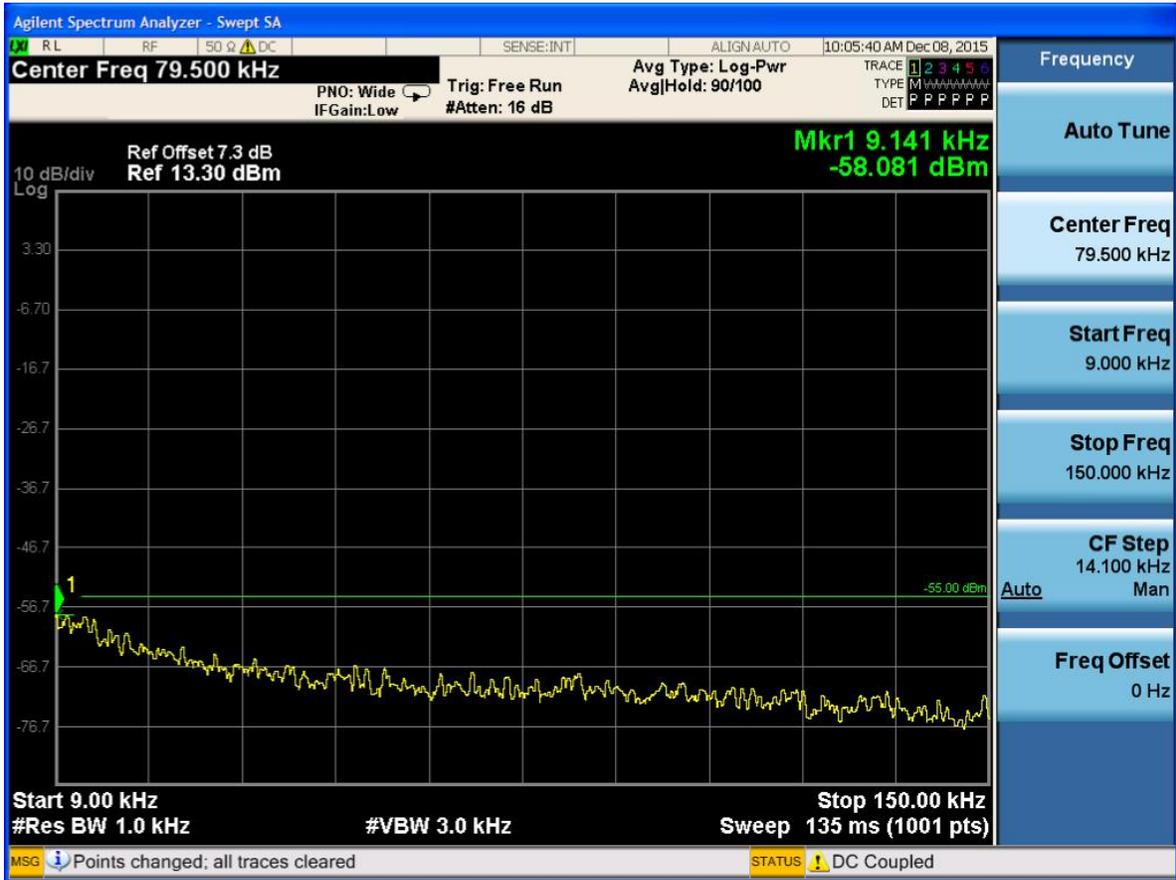






6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0







6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





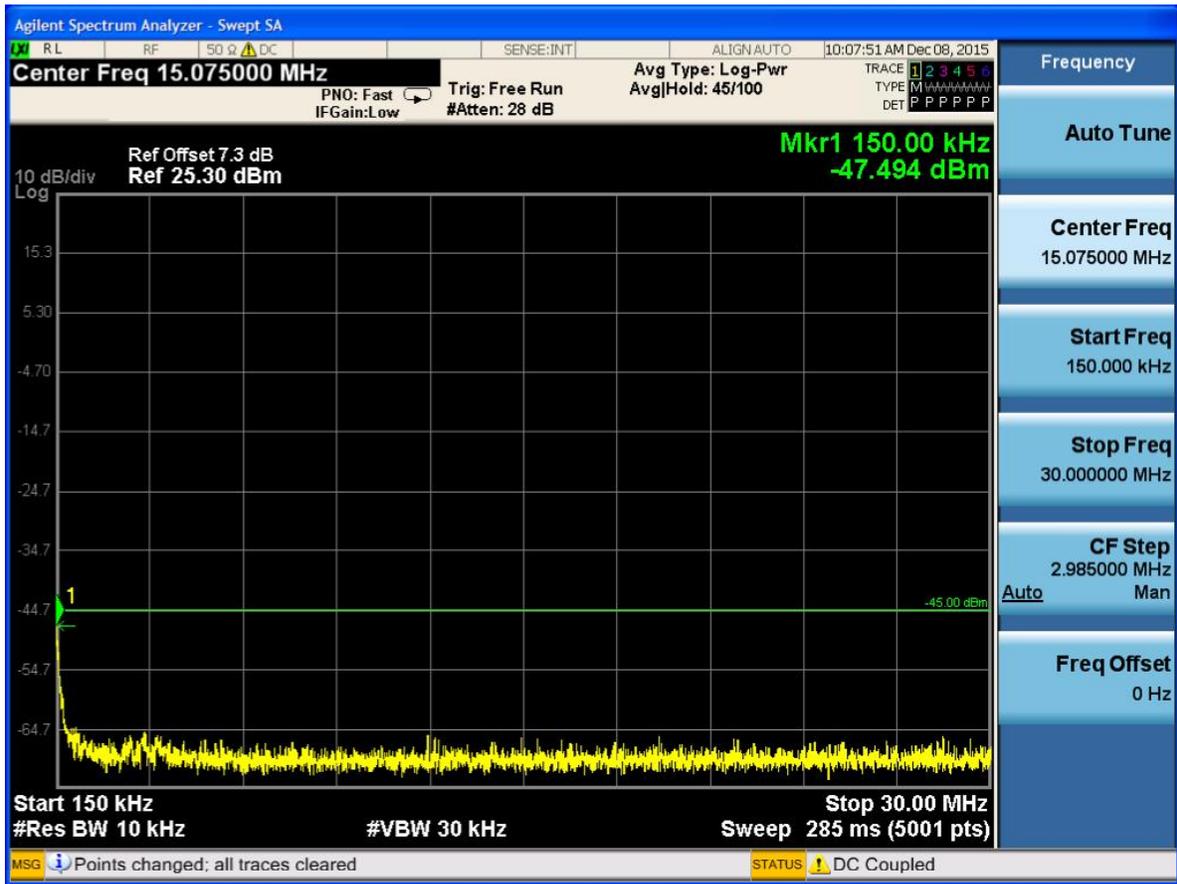


6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





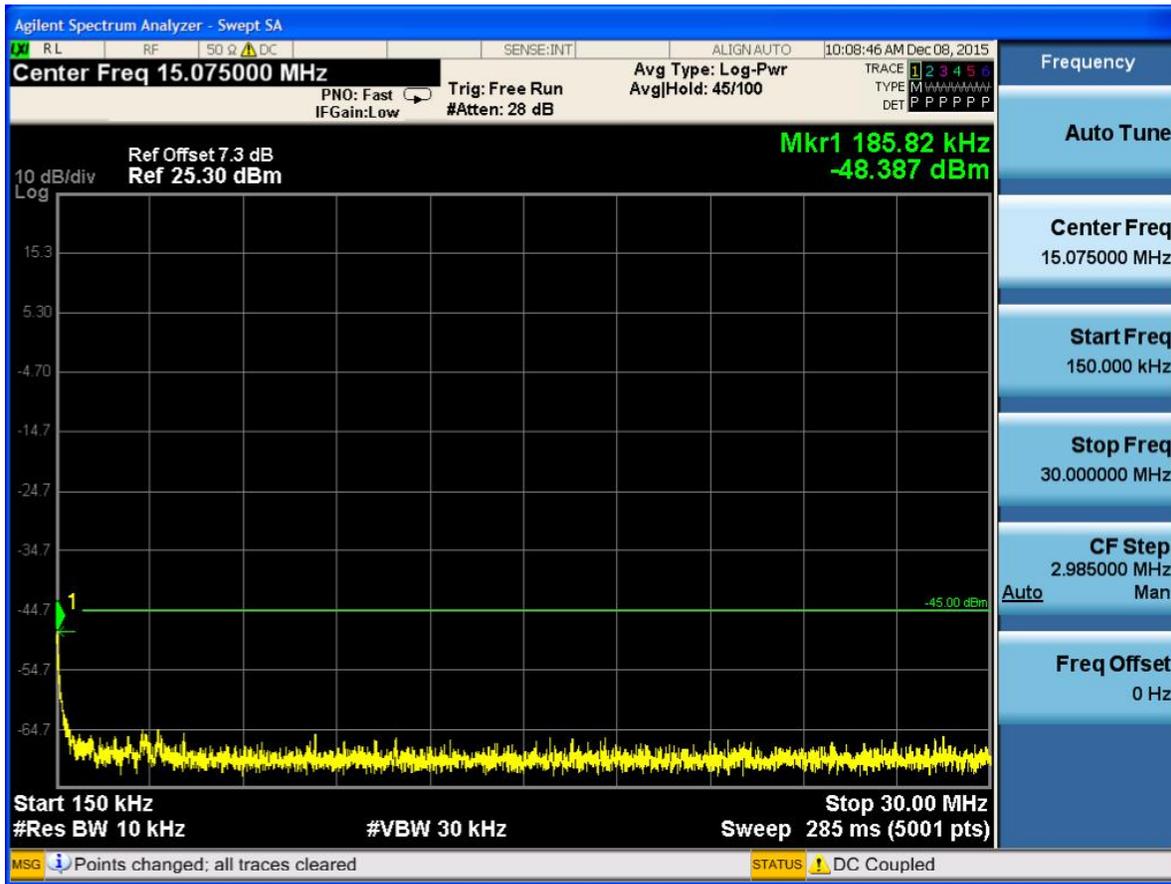




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

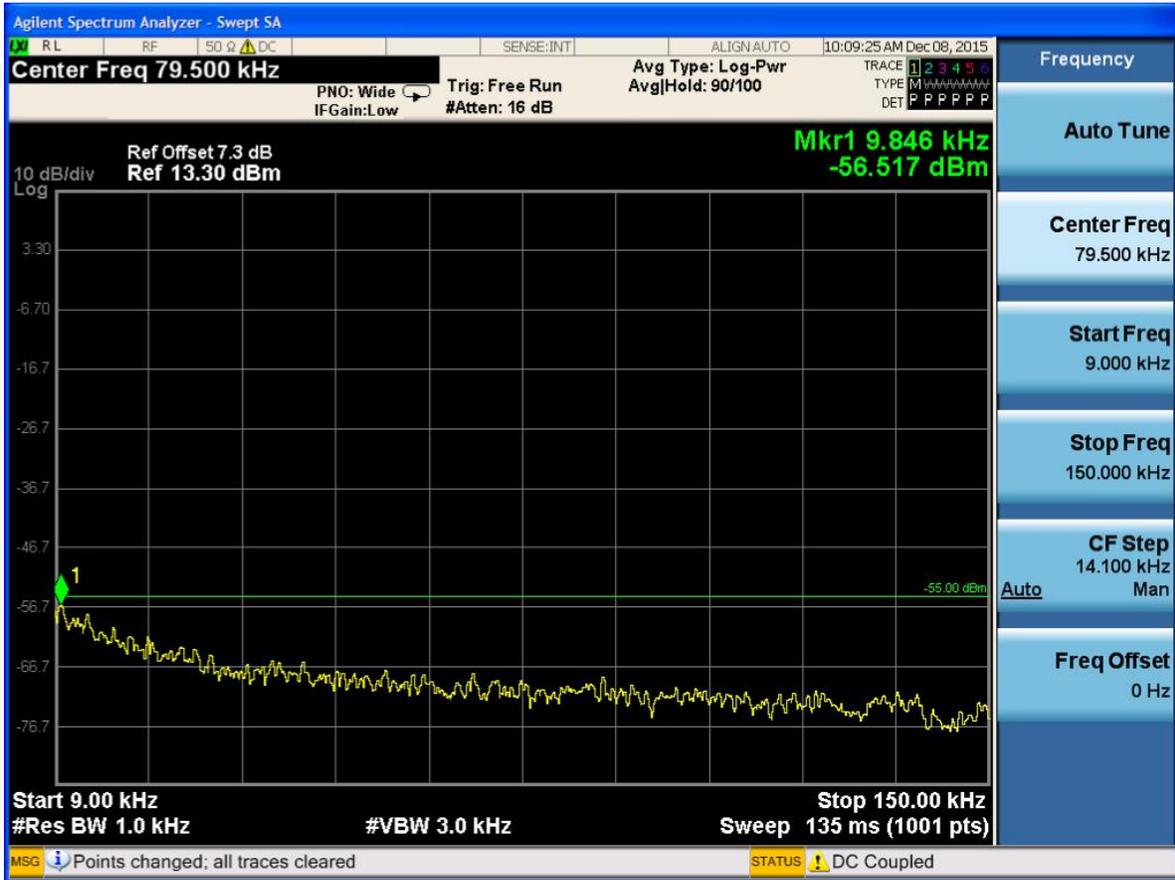


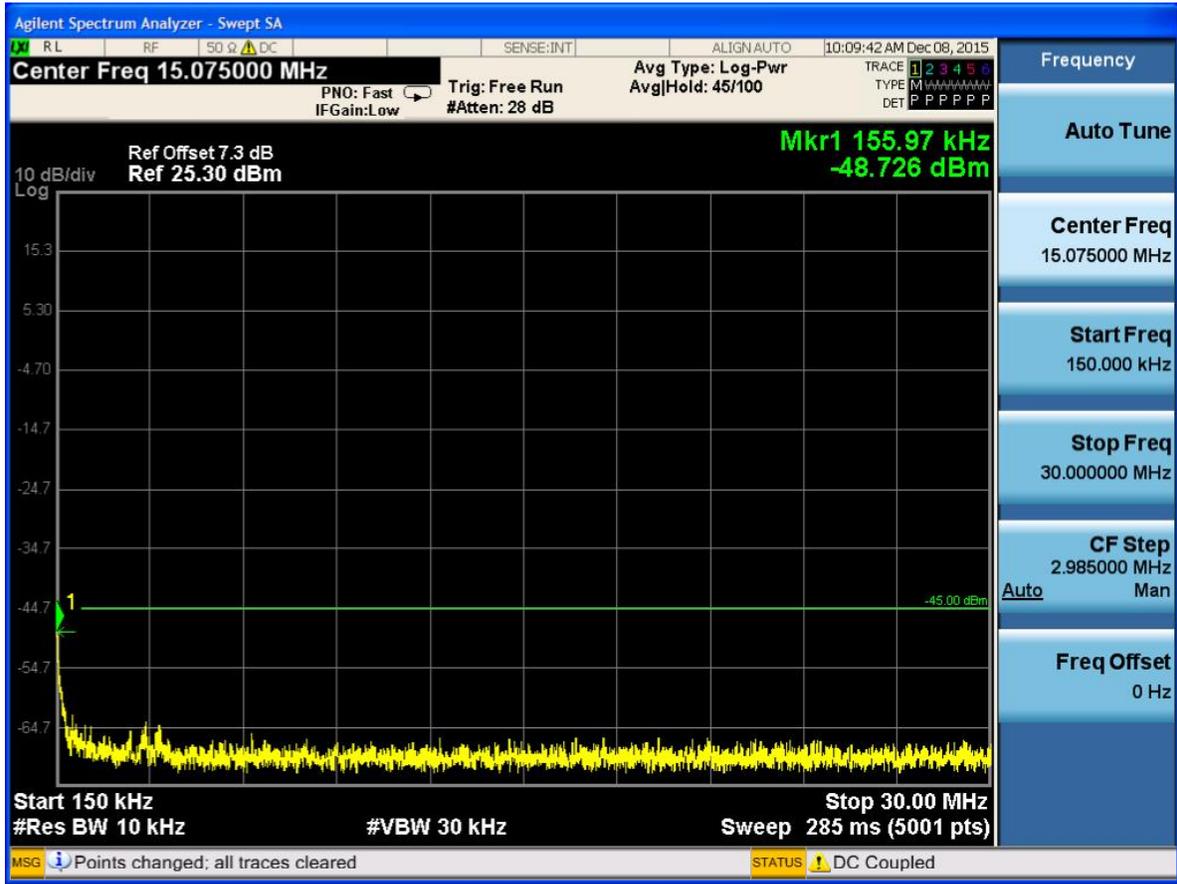




6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







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

Note:

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

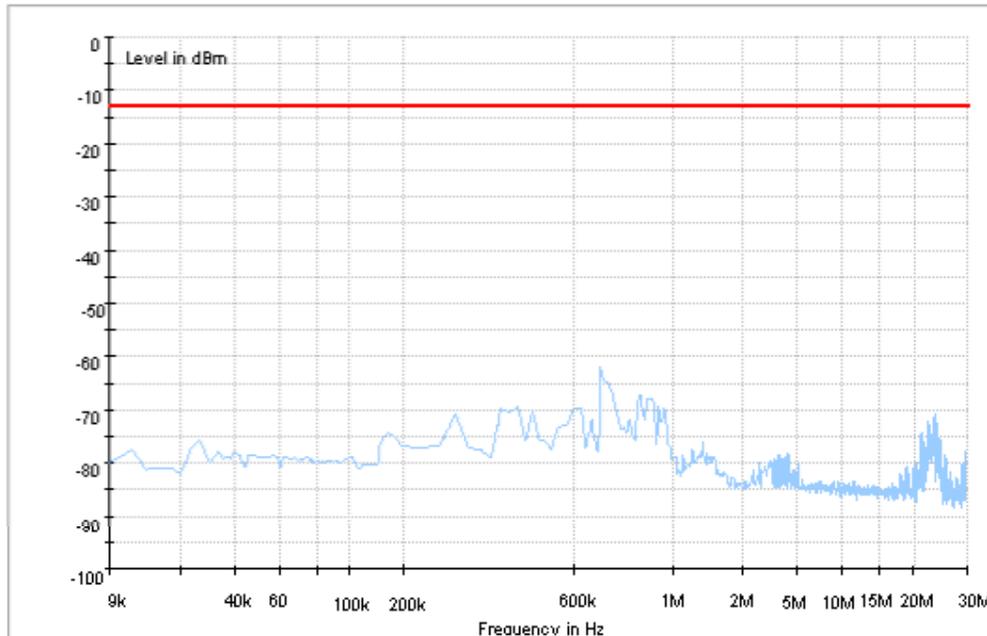
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

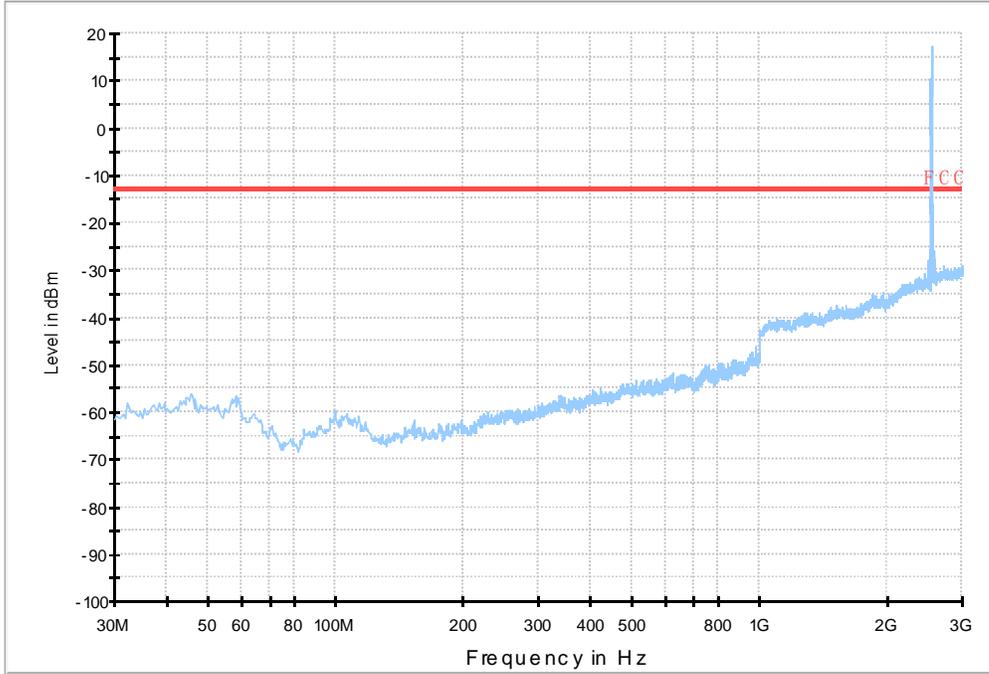
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND7

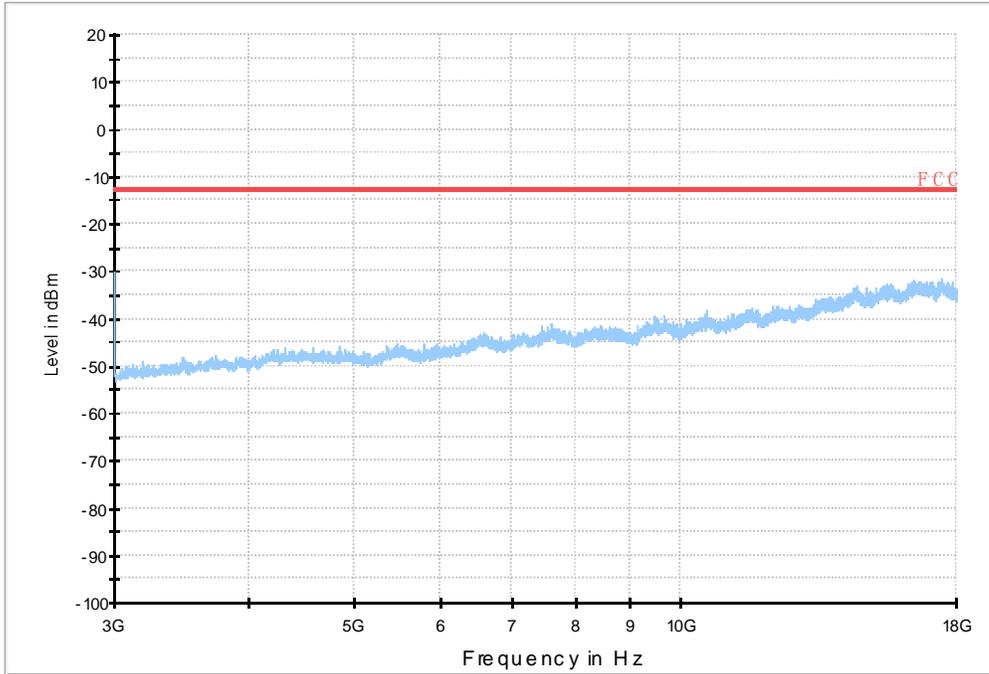
##### 7.1.1.1 Test Bandwidth = 5

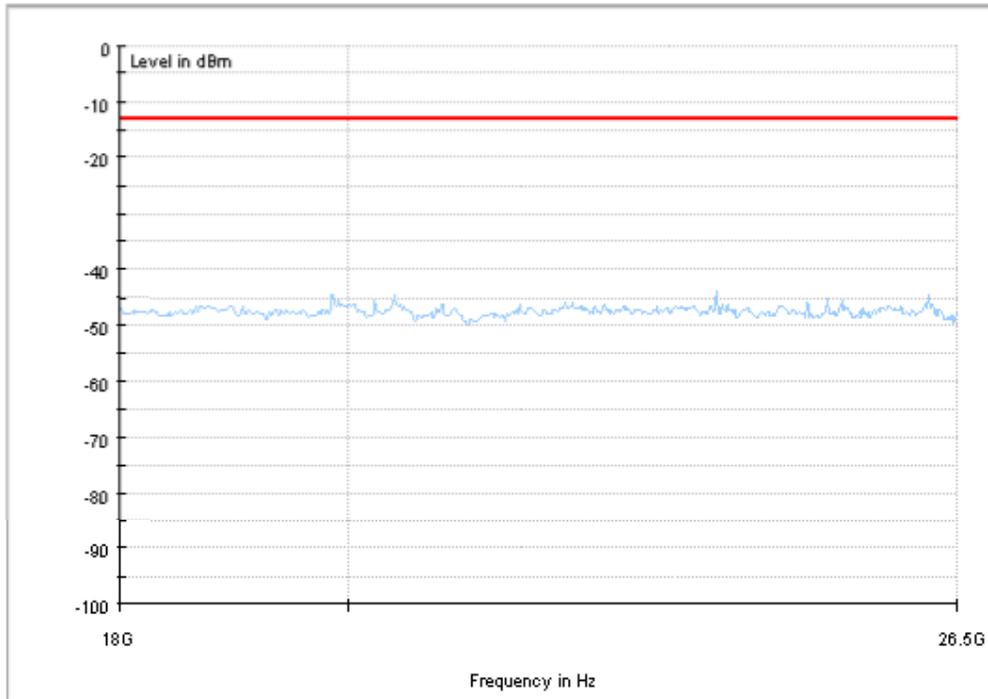


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

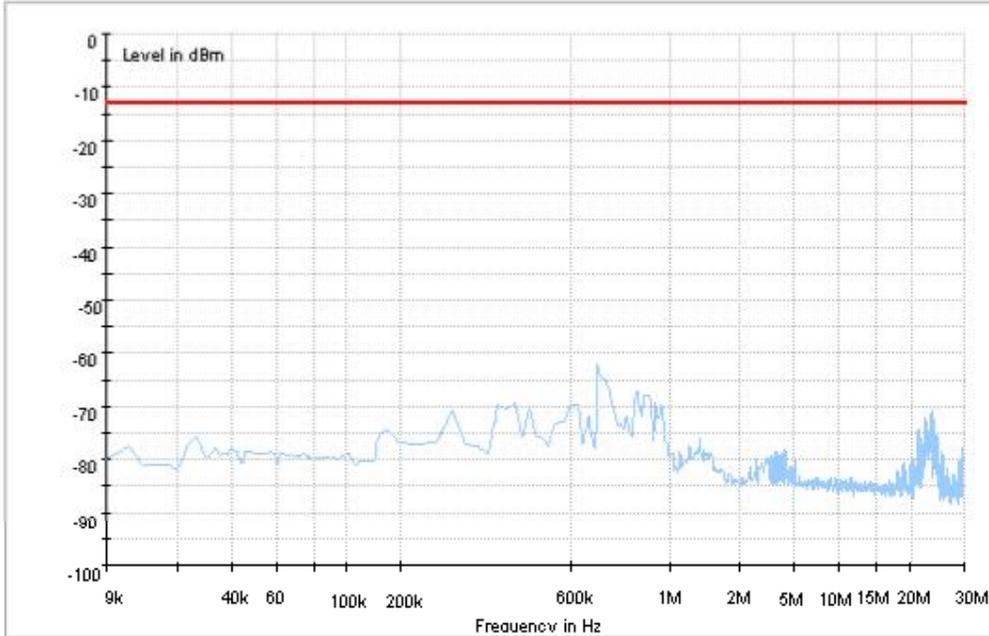


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

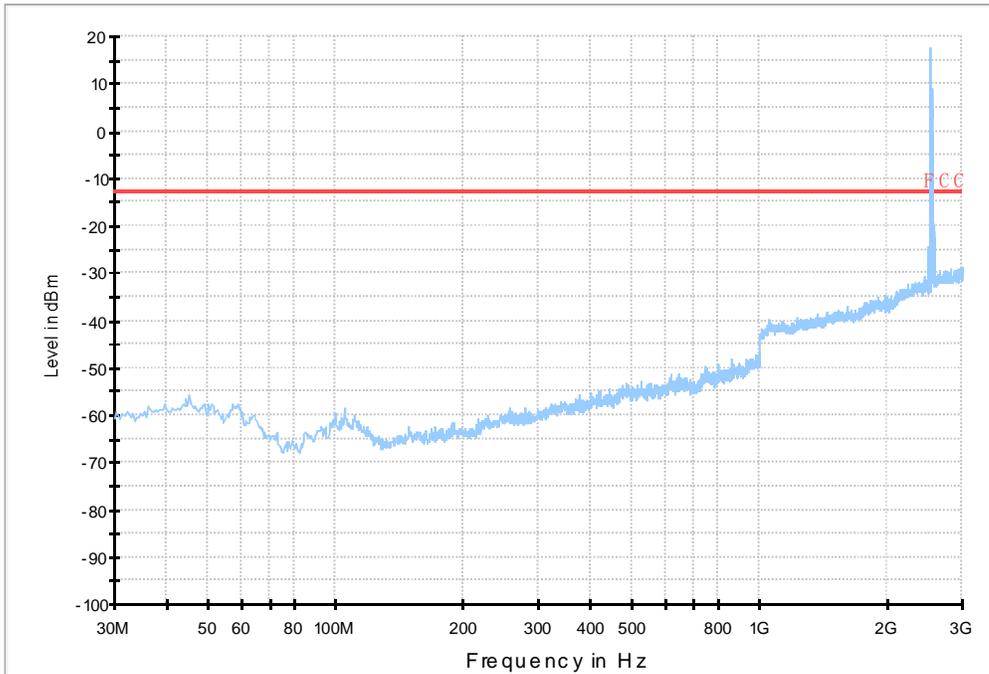




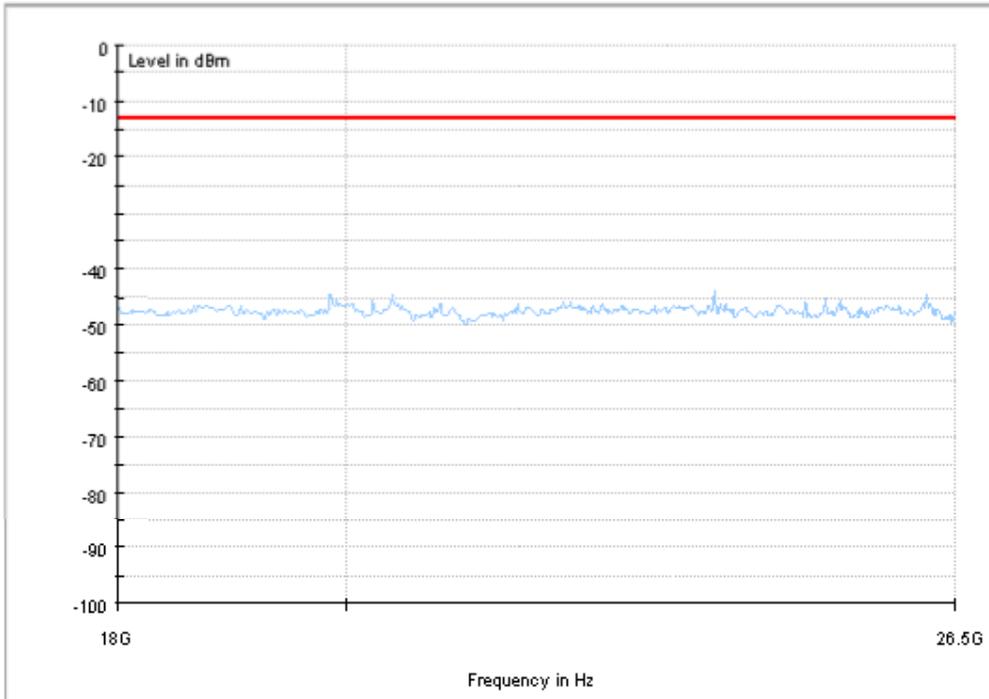
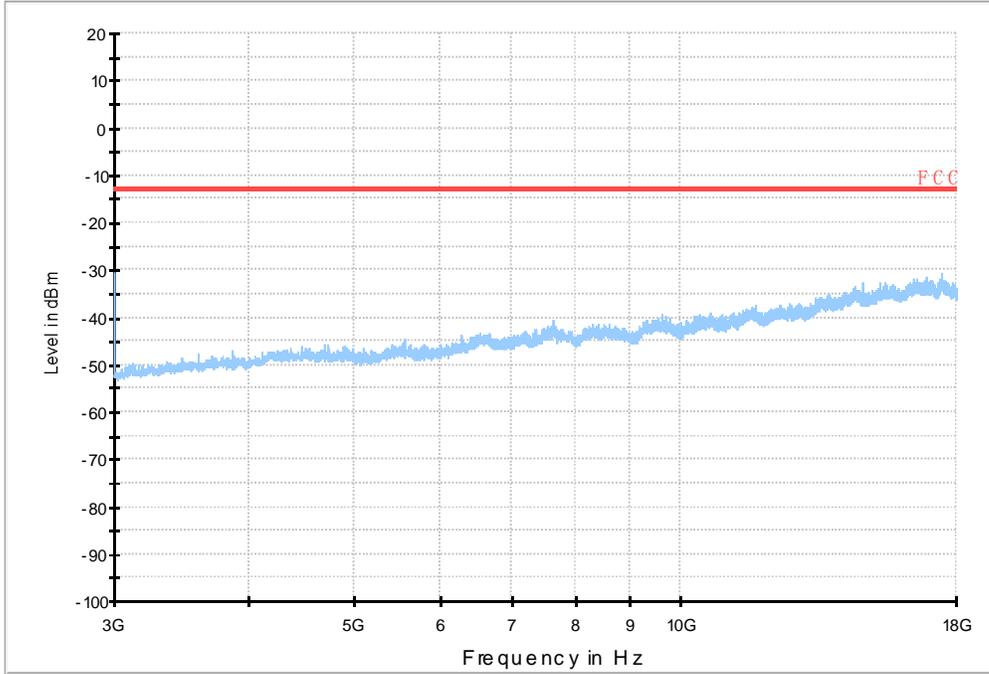
7.1.1.2 Test Bandwidth = 20



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



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





## 8Appendix\_H: Frequency Stability

**8.1 For LTE**
**8.1.1 Frequency Error vs. Voltage:**

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	5.51	0.0022	PASS
					VN	3.65	0.00146	PASS
					VH	2.15	0.00086	PASS
			MCH	TN	VL	1.14	0.00045	PASS
					VN	2.75	0.00108	PASS
					VH	-0.01	0	PASS
			HCH	TN	VL	-0.23	-0.00009	PASS
					VN	-1.39	-0.00054	PASS
					VH	1.57	0.00061	PASS
		10	LCH	TN	VL	5.25	0.0021	PASS
					VN	3.10	0.00124	PASS
					VH	-0.80	-0.00032	PASS
			MCH	TN	VL	-1.46	-0.00058	PASS
					VN	-0.84	-0.00033	PASS
					VH	-0.64	-0.00025	PASS
			HCH	TN	VL	0.92	0.00036	PASS
					VN	-0.23	-0.00009	PASS
					VH	0.46	0.00018	PASS
		15	LCH	TN	VL	3.32	0.00132	PASS
					VN	1.23	0.00049	PASS
					VH	-1.47	-0.00059	PASS
			MCH	TN	VL	-0.34	-0.00013	PASS
					VN	1.56	0.00062	PASS
					VH	0.84	0.00033	PASS
			HCH	TN	VL	1.19	0.00046	PASS
					VN	4.99	0.00195	PASS
					VH	1.37	0.00053	PASS
		20	LCH	TN	VL	0.23	0.00009	PASS
					VN	2.80	0.00112	PASS
					VH	0.21	0.00008	PASS
			MCH	TN	VL	0.39	0.00015	PASS
					VN	0.89	0.00035	PASS
					VH	-1.57	-0.00062	PASS
		HCH	TN	VL	2.10	0.00082	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2				VN	2.23	0.00087	PASS
					VH	1.60	0.00063	PASS
		5	LCH	TN	VL	1.34	0.00054	PASS
					VN	-4.12	-0.00165	PASS
					VH	2.32	0.00093	PASS
					VL	-1.12	-0.00044	PASS
					VN	-2.88	-0.00114	PASS
					VH	-0.92	-0.00036	PASS
			MCH	TN	VL	-1.43	-0.00056	PASS
					VN	2.15	0.00084	PASS
					VH	0.72	0.00028	PASS
					VL	-1.32	-0.00053	PASS
					VN	2.13	0.00085	PASS
					VH	1.12	0.00045	PASS
		10	LCH	TN	VL	1.12	0.00044	PASS
					VN	0.29	0.00011	PASS
					VH	-0.86	-0.00034	PASS
					VL	3.05	0.00119	PASS
					VN	-0.10	-0.00004	PASS
					VH	-0.07	-0.00003	PASS
			MCH	TN	VL	6.04	0.00241	PASS
					VN	2.70	0.00108	PASS
					VH	0.53	0.00021	PASS
					VL	-1.12	-0.00044	PASS
					VN	-2.16	-0.00085	PASS
					VH	0.67	0.00026	PASS
		15	LCH	TN	VL	4.16	0.00162	PASS
					VN	0.03	0.00001	PASS
					VH	-0.62	-0.00024	PASS
					VL	2.05	0.00082	PASS
					VN	0.11	0.00004	PASS
					VH	-0.20	-0.00008	PASS
			MCH	TN	VL	1.47	0.00058	PASS
					VN	0.51	0.0002	PASS
					VH	-1.93	-0.00076	PASS
					VL	-2.03	-0.00079	PASS
VN	1.29				0.0005	PASS		
VH	-1.29				-0.0005	PASS		
20	LCH	TN	VL	2.05	0.00082	PASS		
			VN	0.11	0.00004	PASS		
			VH	-0.20	-0.00008	PASS		
			VL	1.47	0.00058	PASS		
			VN	0.51	0.0002	PASS		
			VH	-1.93	-0.00076	PASS		
MCH	TN	VL	-2.03	-0.00079	PASS			
		VN	1.29	0.0005	PASS			
		VH	-1.29	-0.0005	PASS			
		VL	-2.03	-0.00079	PASS			
		VN	1.29	0.0005	PASS			
		VH	-1.29	-0.0005	PASS			

**8.1.2 Frequency Error vs. Temperature:**

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	0.07	0.00003	PASS
					-20	1.90	0.00076	PASS
					-10	1.87	0.00075	PASS
					0	5.49	0.00219	PASS
					10	2.07	0.00083	PASS
					20	0.26	0.0001	PASS
					30	0.43	0.00017	PASS
					40	-0.94	-0.00038	PASS
			50	1.00	0.0004	PASS		
			MCH	VN	-30	-1.72	-0.00068	PASS
					-20	3.08	0.00121	PASS
					-10	2.37	0.00093	PASS
					0	0.29	0.00011	PASS
					10	-2.78	-0.0011	PASS
					20	-1.77	-0.0007	PASS
					30	-3.18	-0.00125	PASS
		40			-0.39	-0.00015	PASS	
		50	2.88	0.00114	PASS			
		HCH	VN	-30	-0.21	-0.00008	PASS	
				-20	7.02	0.00273	PASS	
				-10	1.24	0.00048	PASS	
				0	2.50	0.00097	PASS	
				10	1.82	0.00071	PASS	
				20	0.34	0.00013	PASS	
				30	0.47	0.00018	PASS	
				40	2.56	0.001	PASS	
		50	3.25	0.00127	PASS			
		10	LCH	VN	-30	-1.33	-0.00053	PASS
					-20	2.37	0.00095	PASS
					-10	4.43	0.00177	PASS
					0	2.13	0.00085	PASS
					10	2.65	0.00106	PASS
20	-1.06				-0.00042	PASS		
30	-0.57				-0.00023	PASS		
40	2.13				0.00085	PASS		
50	0.41		0.00016	PASS				
MCH	VN		-30	-1.02	-0.0004	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.34	-0.00013	PASS
					-10	-5.89	-0.00232	PASS
					0	0.59	0.00023	PASS
					10	-0.74	-0.00029	PASS
					20	0.84	0.00033	PASS
					30	1.46	0.00058	PASS
					40	-1.00	-0.00039	PASS
					50	-2.13	-0.00084	PASS
					HCH	VN	-30	-1.97
			-20	-1.10			-0.00043	PASS
			-10	-0.62			-0.00024	PASS
			0	1.92			0.00075	PASS
			10	-3.19			-0.00124	PASS
			20	0.26			0.0001	PASS
			30	-3.18			-0.00124	PASS
			40	0.31			0.00012	PASS
			50	0.66			0.00026	PASS
			15	LCH	VN	-30	0.20	0.00008
		-20				2.16	0.00086	PASS
		-10				-0.13	-0.00005	PASS
		0				-0.76	-0.0003	PASS
		10				0.31	0.00012	PASS
		20				-1.36	-0.00054	PASS
		30				0.76	0.0003	PASS
		40				-0.51	-0.0002	PASS
		50				-0.17	-0.00007	PASS
		MCH		VN	-30	1.65	0.00065	PASS
					-20	-0.86	-0.00034	PASS
					-10	0.64	0.00025	PASS
					0	-0.66	-0.00026	PASS
					10	2.07	0.00082	PASS
					20	1.76	0.00069	PASS
					30	-2.15	-0.00085	PASS
					40	-1.62	-0.00064	PASS
					50	-2.66	-0.00105	PASS
		HCH	VN	-30	0.09	0.00004	PASS	
-20	0.77			0.0003	PASS			
-10	-0.83			-0.00032	PASS			
0	-3.26			-0.00127	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-1.53	-0.0006	PASS		
					20	1.90	0.00074	PASS		
					30	2.12	0.00083	PASS		
					40	-0.43	-0.00017	PASS		
					50	-3.53	-0.00138	PASS		
					LCH	VN	-30	2.59	0.00103	PASS
							-20	2.19	0.00087	PASS
							-10	1.17	0.00047	PASS
							0	-0.43	-0.00017	PASS
							10	-0.19	-0.00008	PASS
		20	-2.66	-0.00106			PASS			
		30	0.82	0.00033			PASS			
		40	-1.63	-0.00065			PASS			
		50	-1.50	-0.0006			PASS			
		MCH	VN	-30			-2.27	-0.0009	PASS	
				-20	-0.89	-0.00035	PASS			
				-10	-2.49	-0.00098	PASS			
				0	-1.85	-0.00073	PASS			
				10	1.20	0.00047	PASS			
				20	2.55	0.00101	PASS			
	30			0.73	0.00029	PASS				
	40			-0.30	-0.00012	PASS				
	HCH	VN	-30	0.77	0.0003	PASS				
			-20	3.29	0.00129	PASS				
			-10	0.57	0.00022	PASS				
			0	0.74	0.00029	PASS				
			10	-0.11	-0.00004	PASS				
			20	-3.35	-0.00131	PASS				
			30	-0.80	-0.00031	PASS				
			40	1.40	0.00055	PASS				
	50	-0.73	-0.00029	PASS						
	LTE/TM2	5	LCH	VN	-30	1.96	0.00078	PASS		
					-20	-0.14	-0.00006	PASS		
-10					2.23	0.00089	PASS			
0					-1.12	-0.00045	PASS			
10					-4.56	-0.00182	PASS			
20					-2.96	-0.00118	PASS			
30					-1.26	-0.0005	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	-5.92	-0.00237	PASS	
					50	-4.49	-0.00179	PASS	
			MCH	VN	-30	3.00	0.00118	PASS	
					-20	-2.05	-0.00081	PASS	
					-10	2.10	0.00083	PASS	
					0	-0.04	-0.00002	PASS	
					10	-4.62	-0.00182	PASS	
					20	-1.13	-0.00045	PASS	
					30	0.40	0.00016	PASS	
					40	-3.65	-0.00144	PASS	
					50	-2.03	-0.0008	PASS	
					HCH	VN	-30	-0.94	-0.00037
			-20	1.76			0.00069	PASS	
			-10	-0.29			-0.00011	PASS	
			0	-2.35			-0.00092	PASS	
			10	1.43			0.00056	PASS	
			20	-6.18			-0.00241	PASS	
			30	-3.53			-0.00137	PASS	
		40	0.59	0.00023			PASS		
		10		LCH	VN	-30	3.02	0.00121	PASS
						-20	2.00	0.0008	PASS
						-10	0.76	0.0003	PASS
						0	-0.79	-0.00032	PASS
						10	5.88	0.00235	PASS
						20	2.42	0.00097	PASS
						30	-1.85	-0.00074	PASS
						40	2.50	0.001	PASS
				MCH	VN	-30	3.46	0.00136	PASS
						-20	-1.60	-0.00063	PASS
						-10	-0.01	0	PASS
						0	-1.33	-0.00052	PASS
						10	-1.10	-0.00043	PASS
20	1.32					0.00052	PASS		
HCH	VN	-30	5.12	0.002	PASS				
		30	-2.45	-0.00097	PASS				
					40	-1.10	-0.00043	PASS	
					50	0.64	0.00025	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	0.40	0.00016	PASS
					-10	-1.90	-0.00074	PASS
					0	-3.50	-0.00136	PASS
					10	1.34	0.00052	PASS
					20	0.06	0.00002	PASS
					30	0.93	0.00036	PASS
					40	1.12	0.00044	PASS
					50	1.87	0.00073	PASS
		15	LCH	VN	-30	3.03	0.00121	PASS
					-20	1.72	0.00069	PASS
					-10	0.72	0.00029	PASS
					0	-0.19	-0.00008	PASS
					10	0.59	0.00024	PASS
					20	0.82	0.00033	PASS
					30	-0.80	-0.00032	PASS
					40	-0.96	-0.00038	PASS
			MCH	VN	-30	-0.26	-0.0001	PASS
					-20	-0.79	-0.00031	PASS
					-10	-0.16	-0.00006	PASS
					0	-1.00	-0.00039	PASS
					10	-1.42	-0.00056	PASS
					20	0.93	0.00037	PASS
					30	-2.29	-0.0009	PASS
					40	1.52	0.0006	PASS
		HCH	VN	-30	2.70	0.00105	PASS	
				-20	0.64	0.00025	PASS	
				-10	-0.03	-0.00001	PASS	
				0	-0.77	-0.0003	PASS	
				10	-1.86	-0.00073	PASS	
				20	-0.14	-0.00005	PASS	
				30	-3.42	-0.00133	PASS	
				40	1.86	0.00073	PASS	
20	LCH	VN	50	0.09	0.00004	PASS		
			-30	3.82	0.00152	PASS		
			-20	0.40	0.00016	PASS		
			-10	0.33	0.00013	PASS		
					0	1.79	0.00071	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	2.16	0.00086	PASS
					20	-3.22	-0.00128	PASS
					30	1.10	0.00044	PASS
					40	-1.89	-0.00075	PASS
					50	0.24	0.0001	PASS
			MCH	VN	-30	2.89	0.00114	PASS
					-20	-0.50	-0.0002	PASS
					-10	-2.56	-0.00101	PASS
					0	-2.73	-0.00108	PASS
					10	-0.94	-0.00037	PASS
					20	-0.99	-0.00039	PASS
					30	0.40	0.00016	PASS
					40	0.69	0.00027	PASS
			50	-3.69	-0.00146	PASS		
			HCH	VN	-30	0.90	0.00035	PASS
					-20	-0.97	-0.00038	PASS
					-10	-0.27	-0.00011	PASS
					0	-0.04	-0.00002	PASS
					10	2.29	0.00089	PASS
					20	-0.20	-0.00008	PASS
					30	2.33	0.00091	PASS
					40	-2.03	-0.00079	PASS
			50	-1.85	-0.00072	PASS		

END