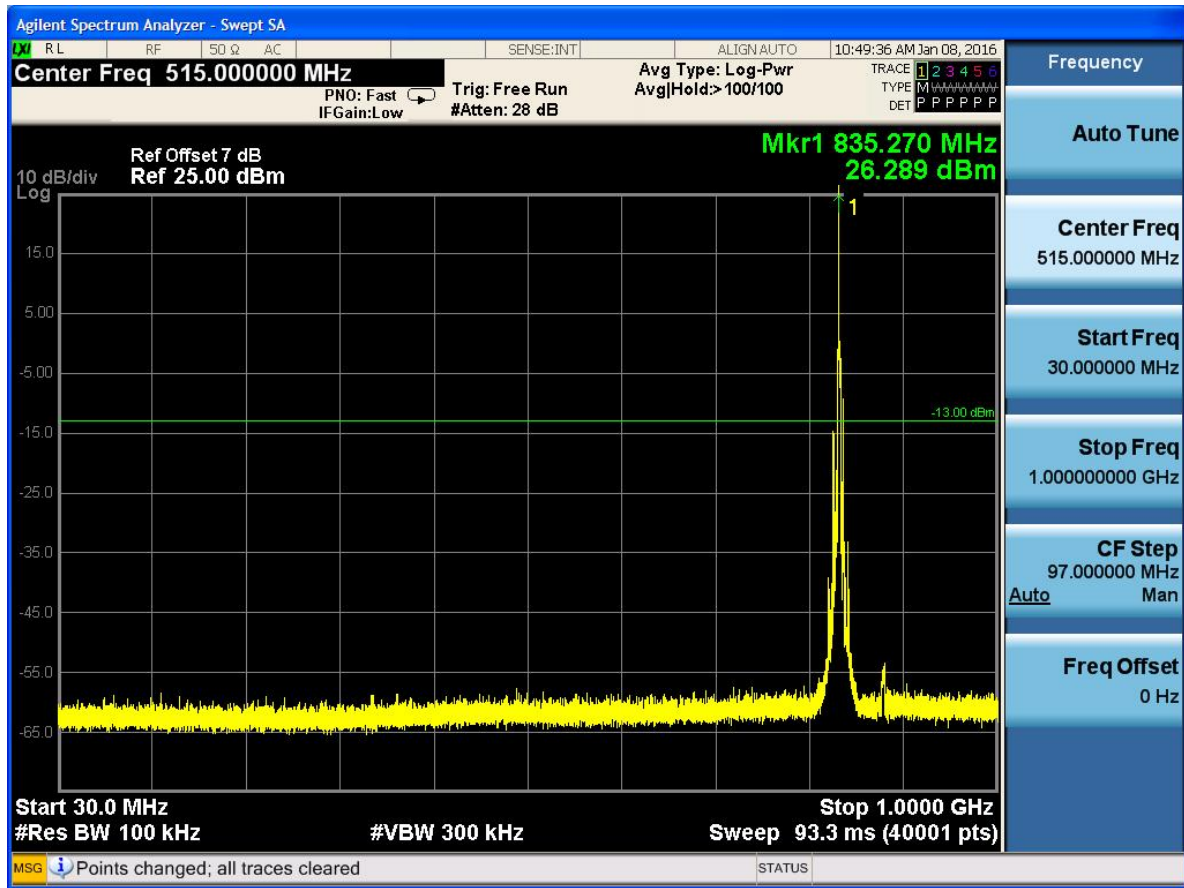




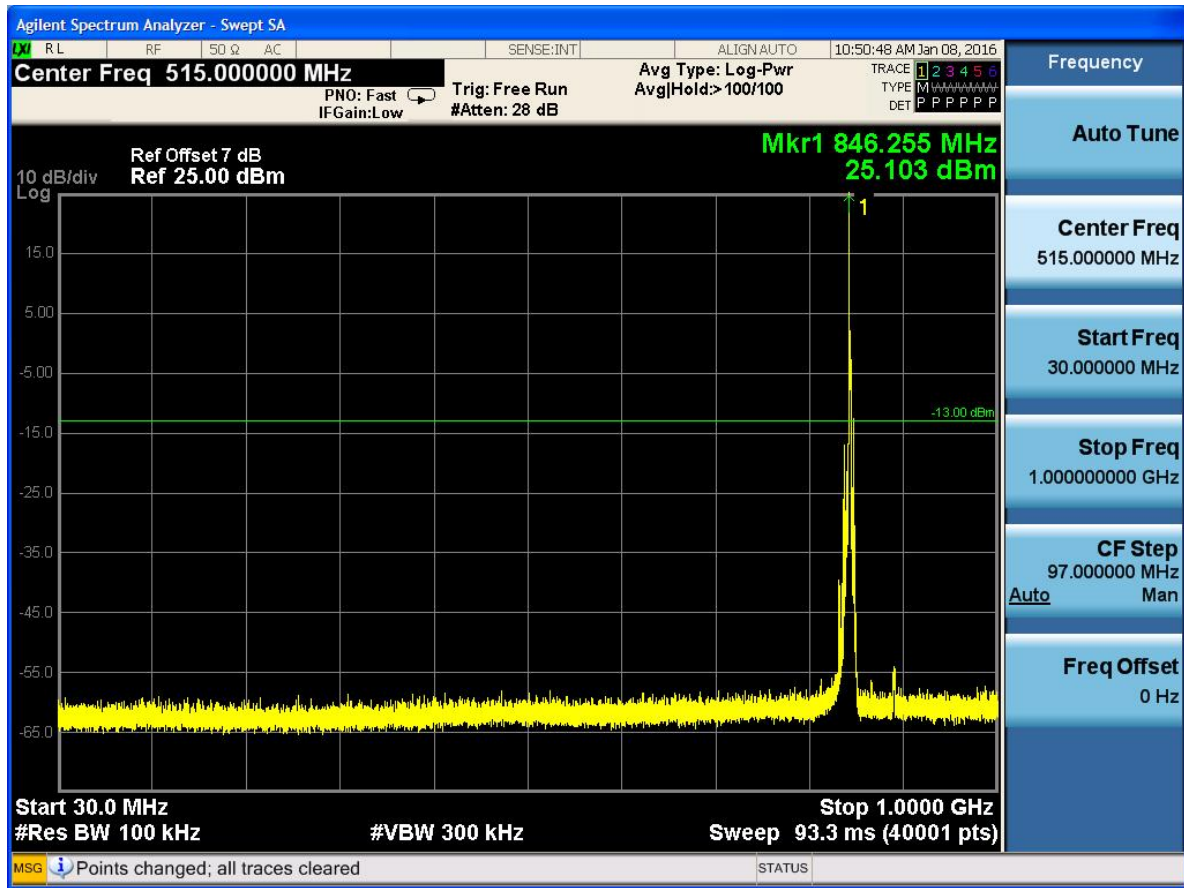


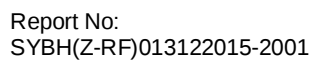
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





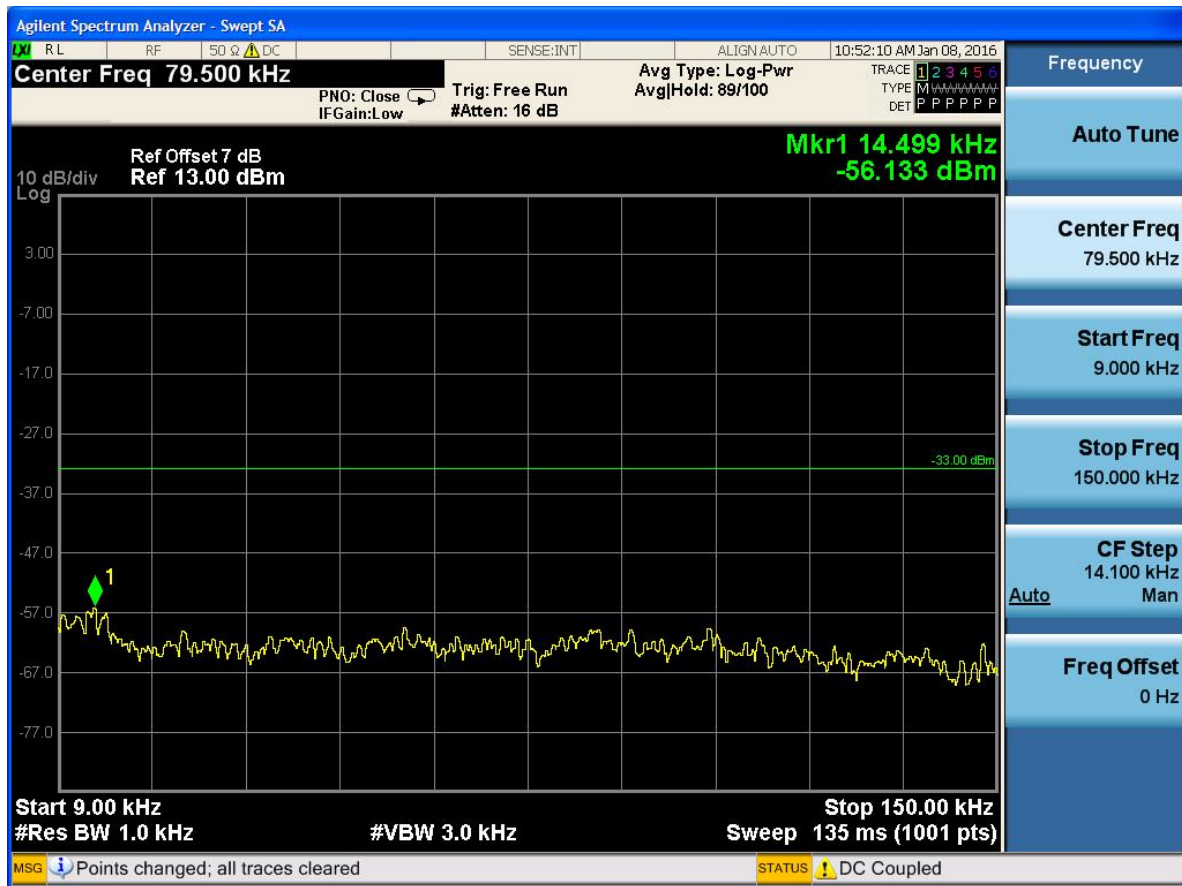




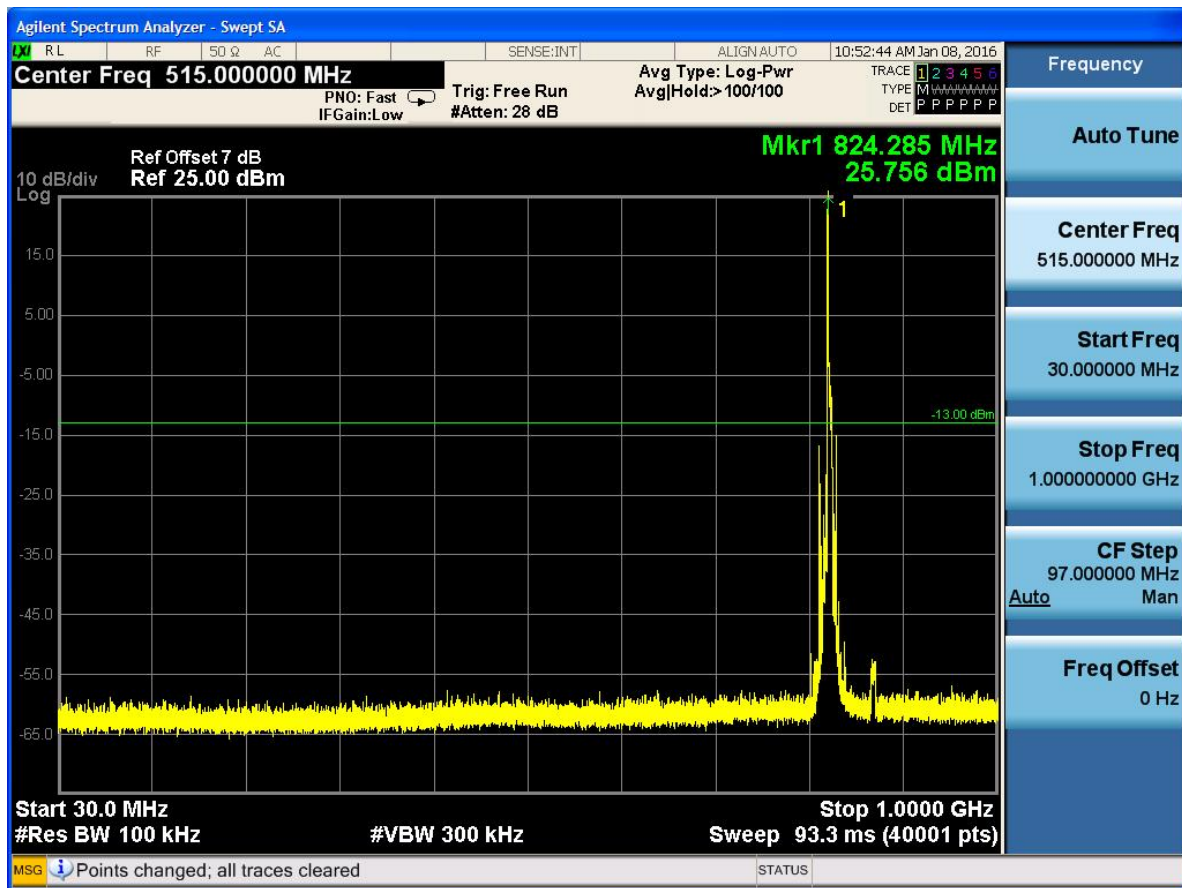
6.1.1.2.3 Test Bandwidth = 5

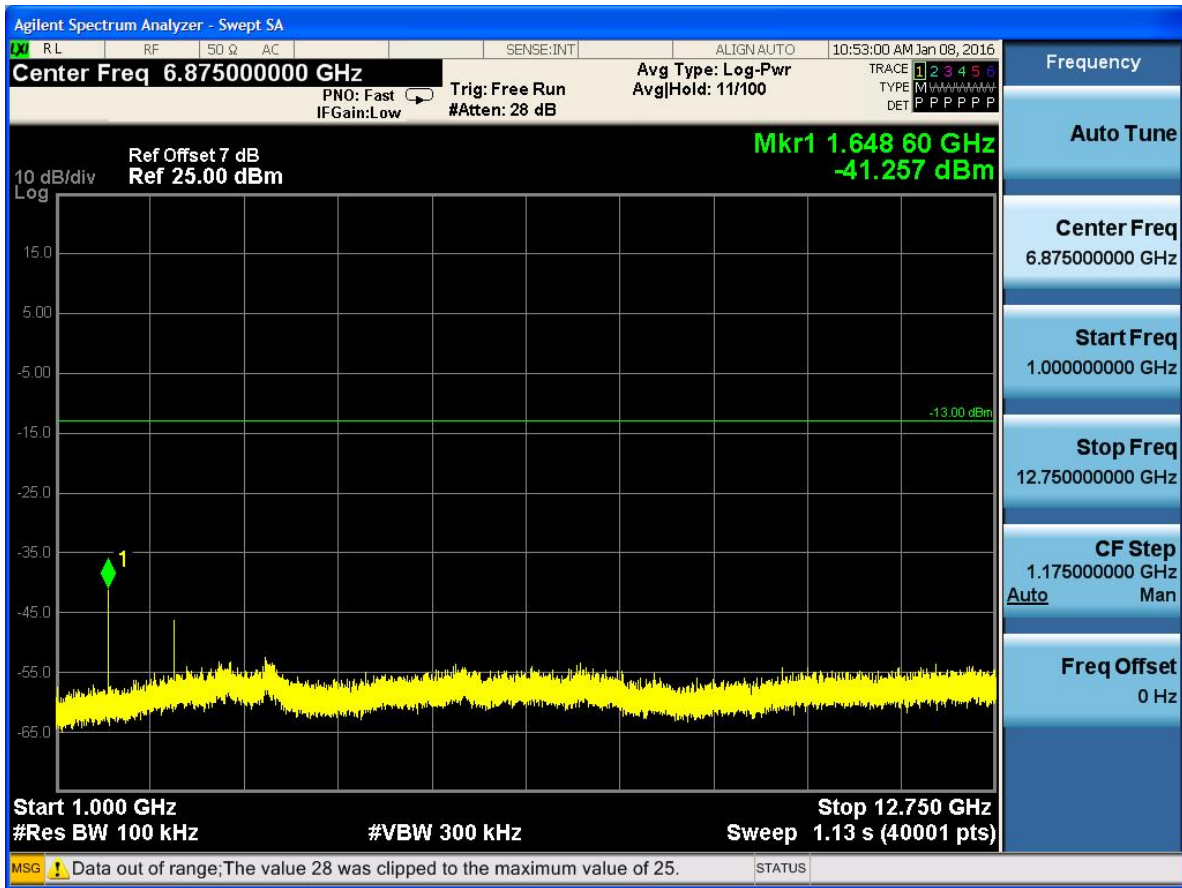
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0







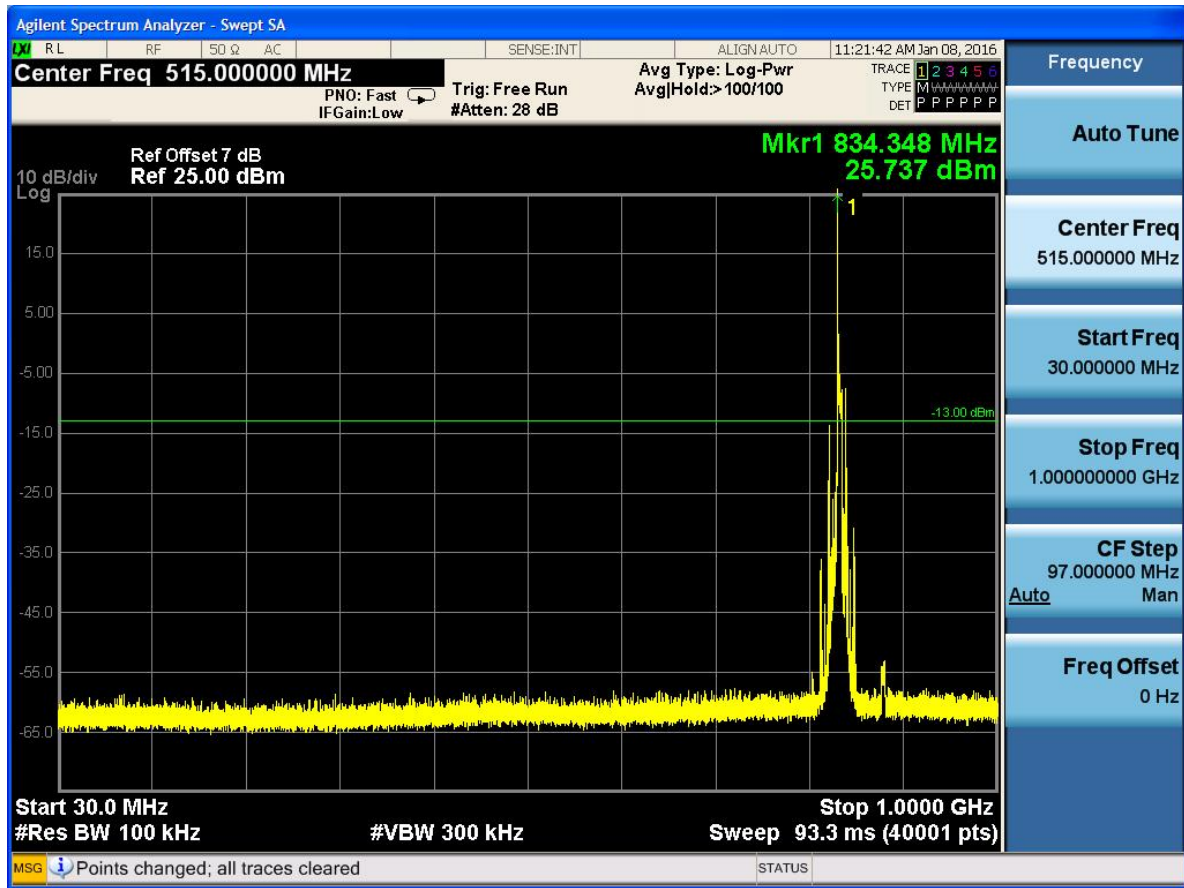


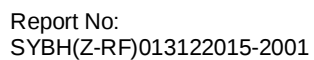
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0







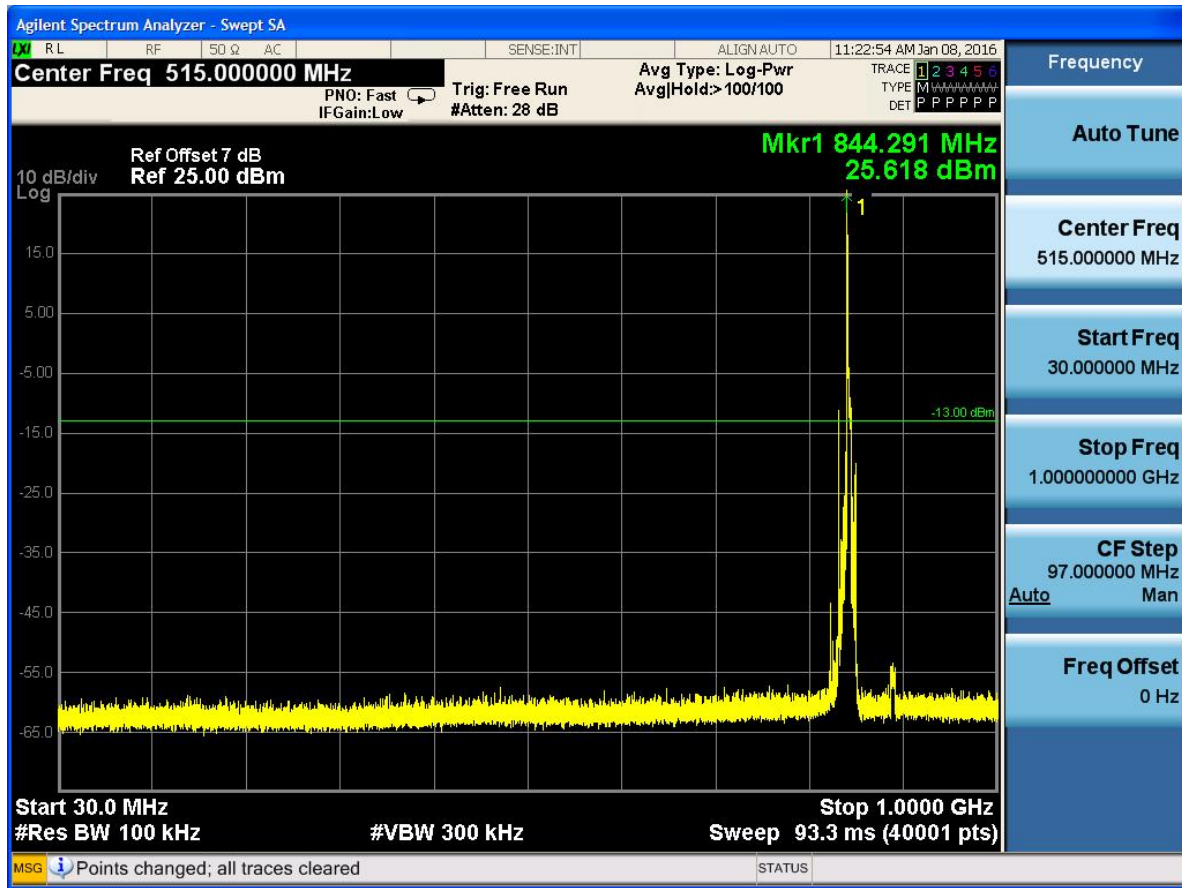


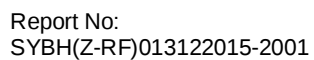
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





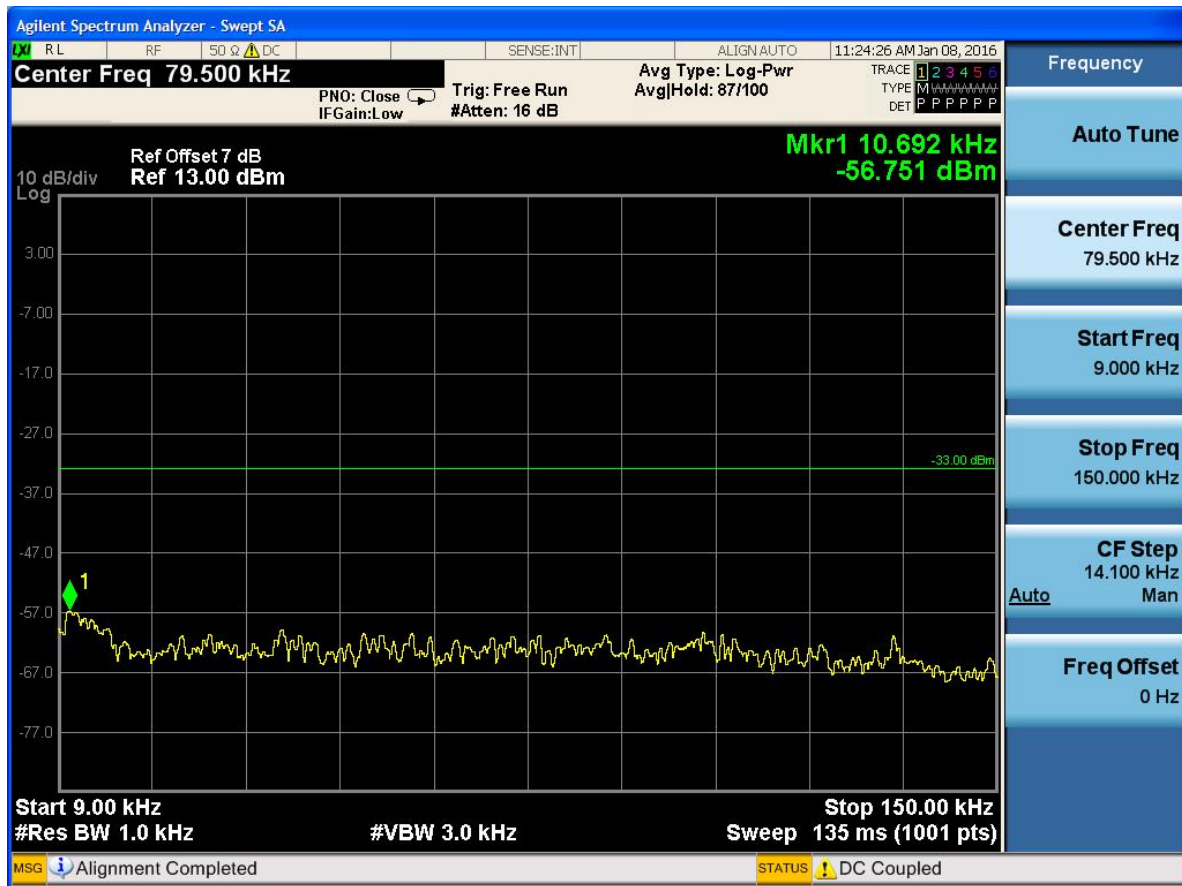




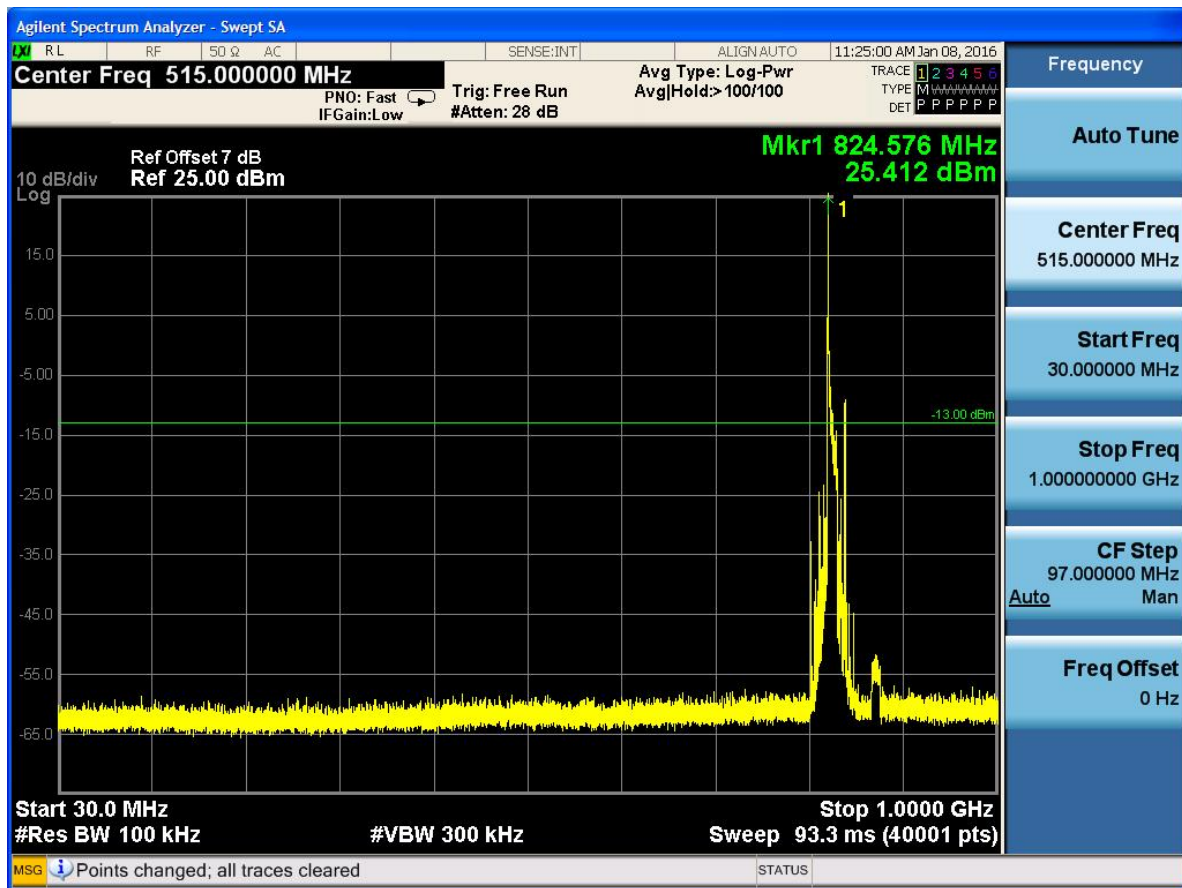
6.1.1.2.4 Test Bandwidth = 10

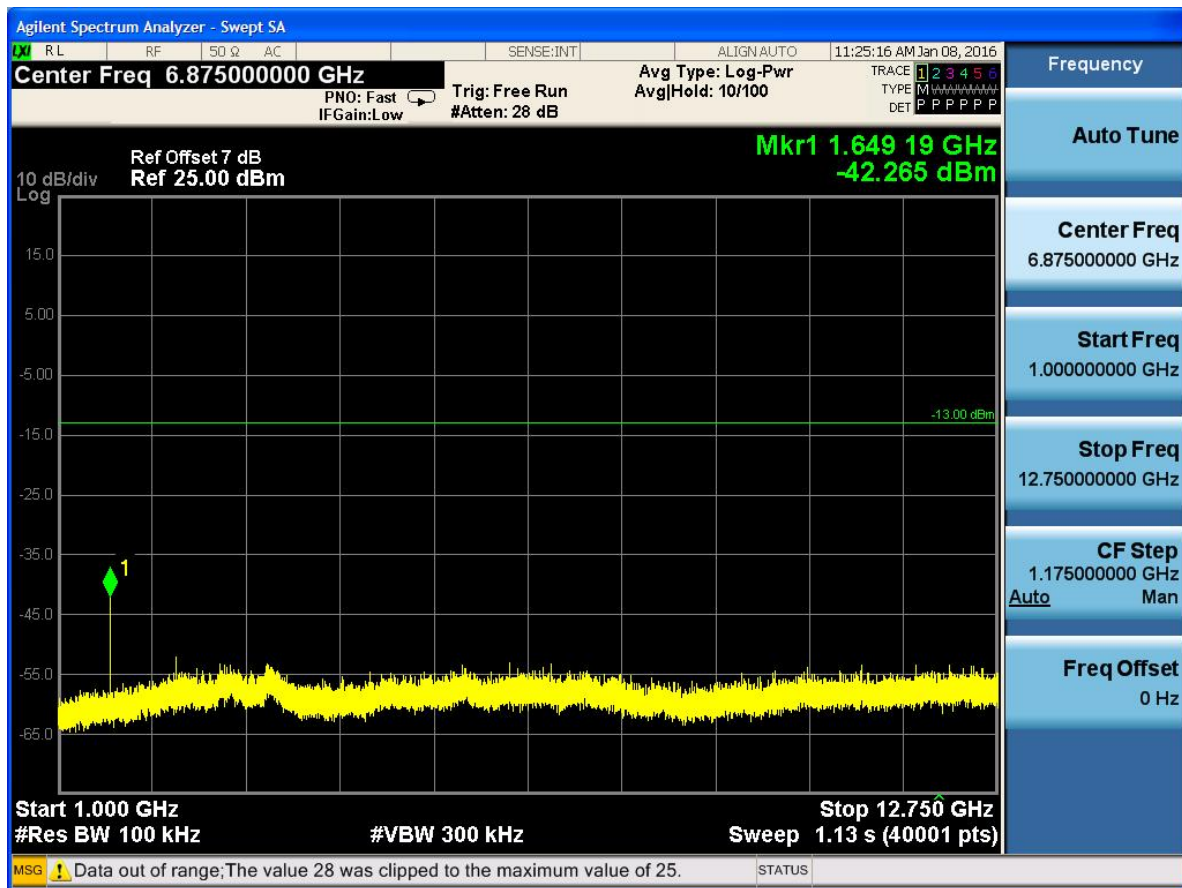
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0







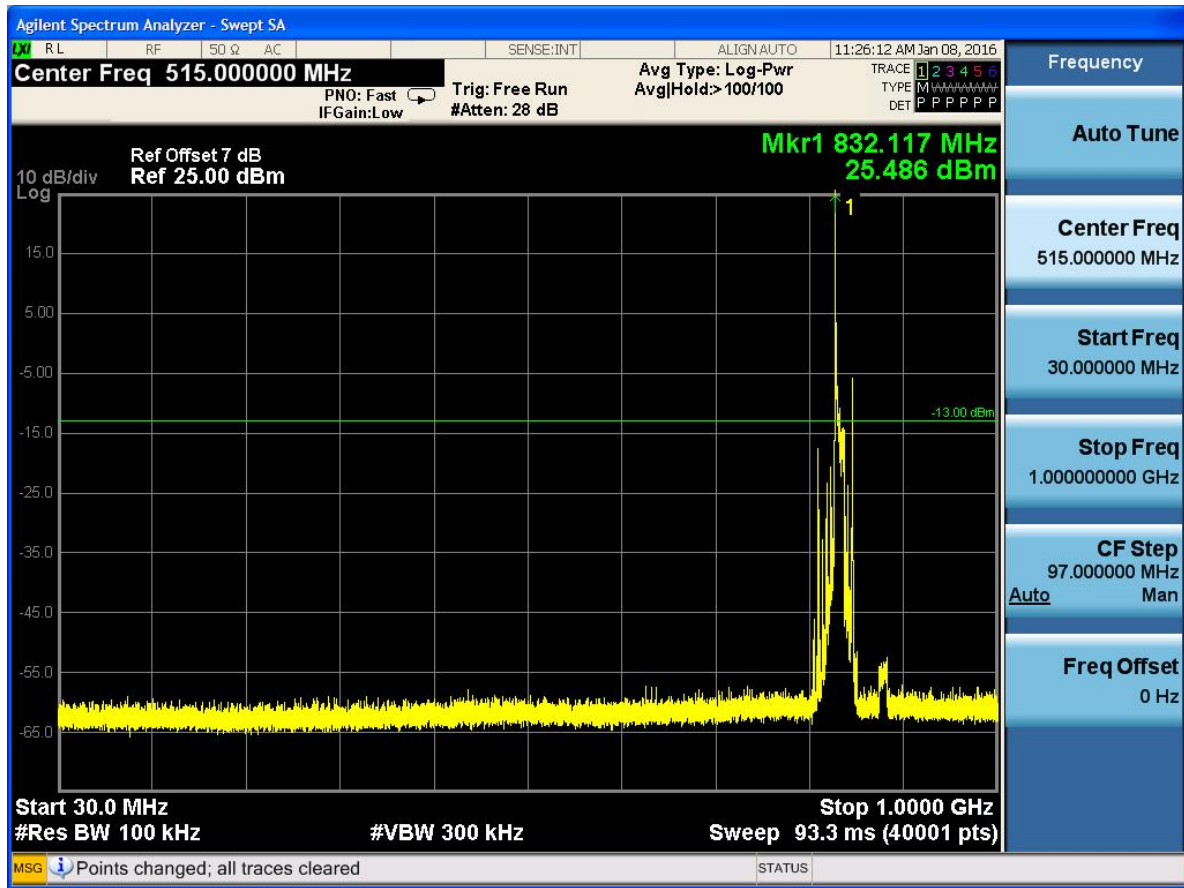


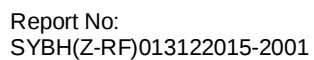
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0







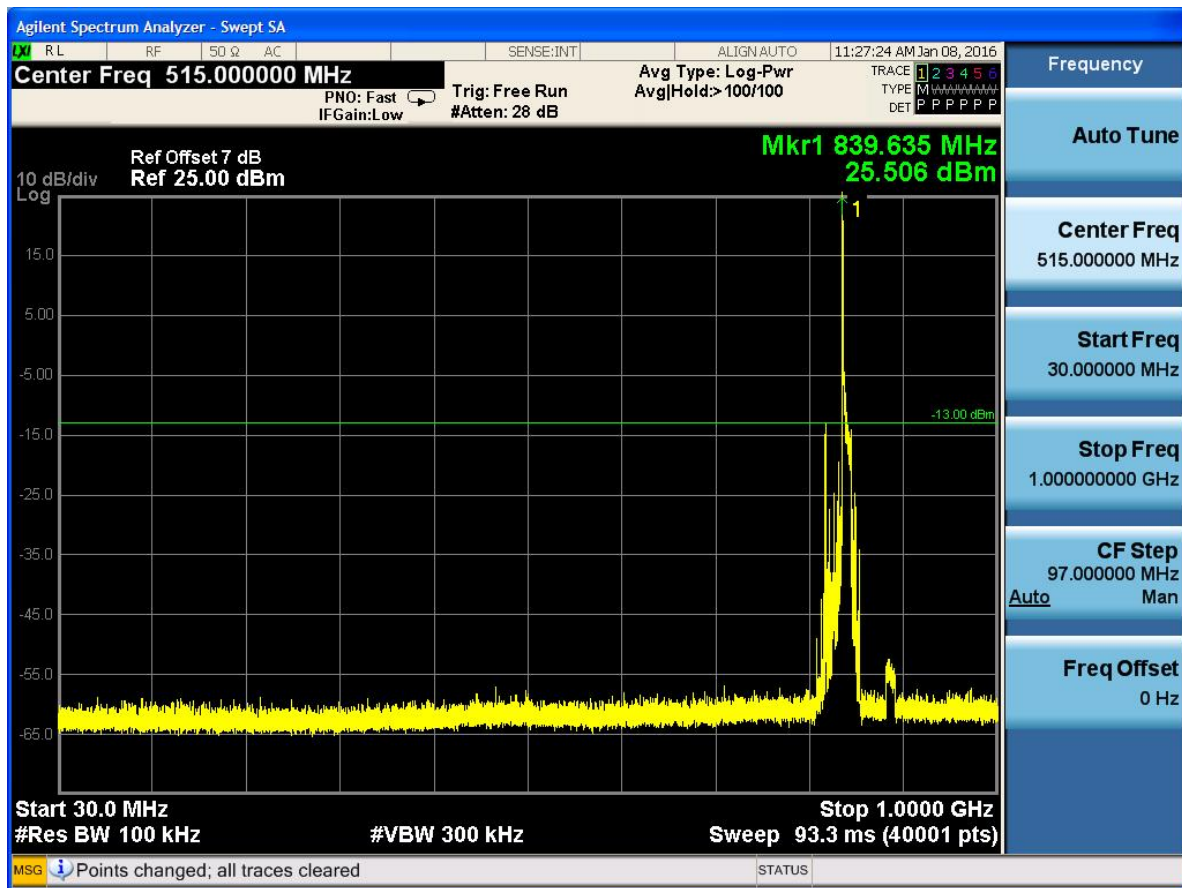


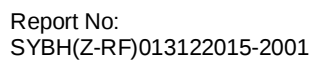
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0





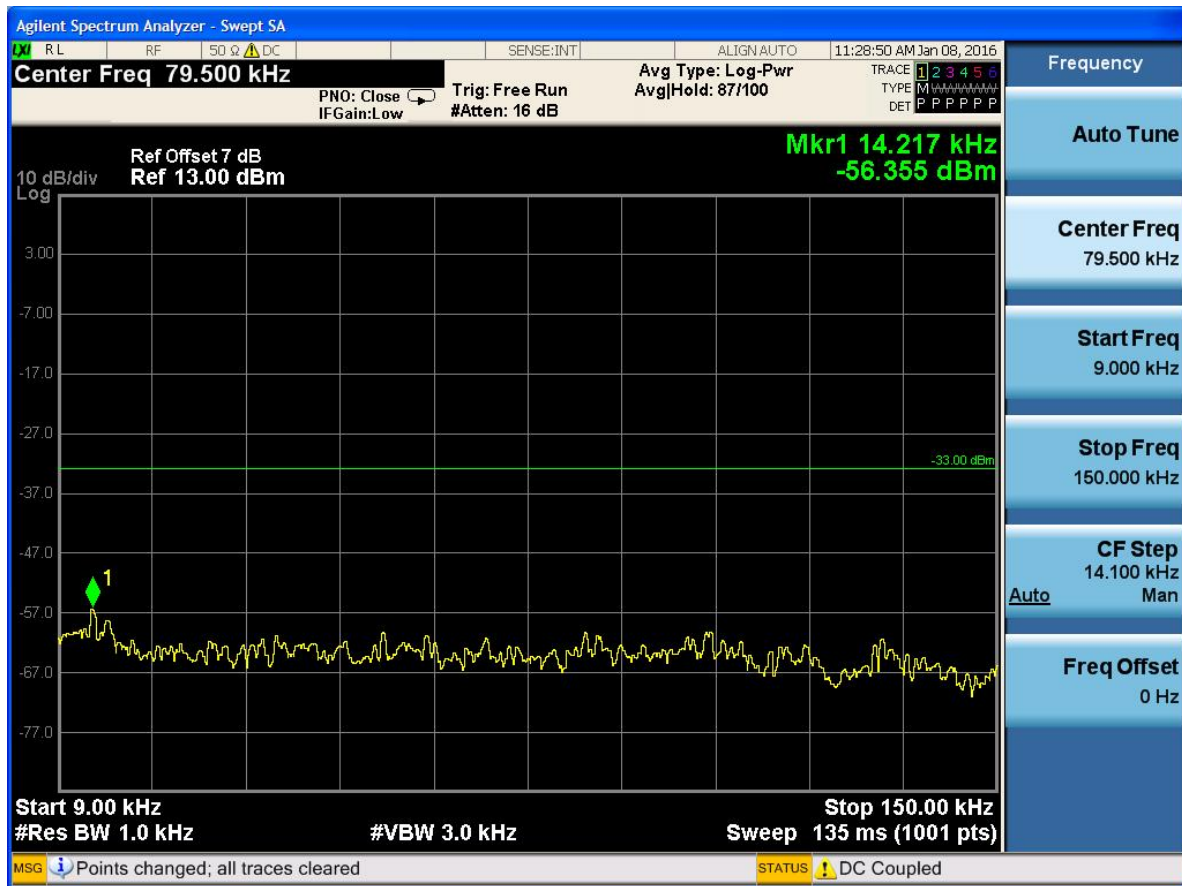




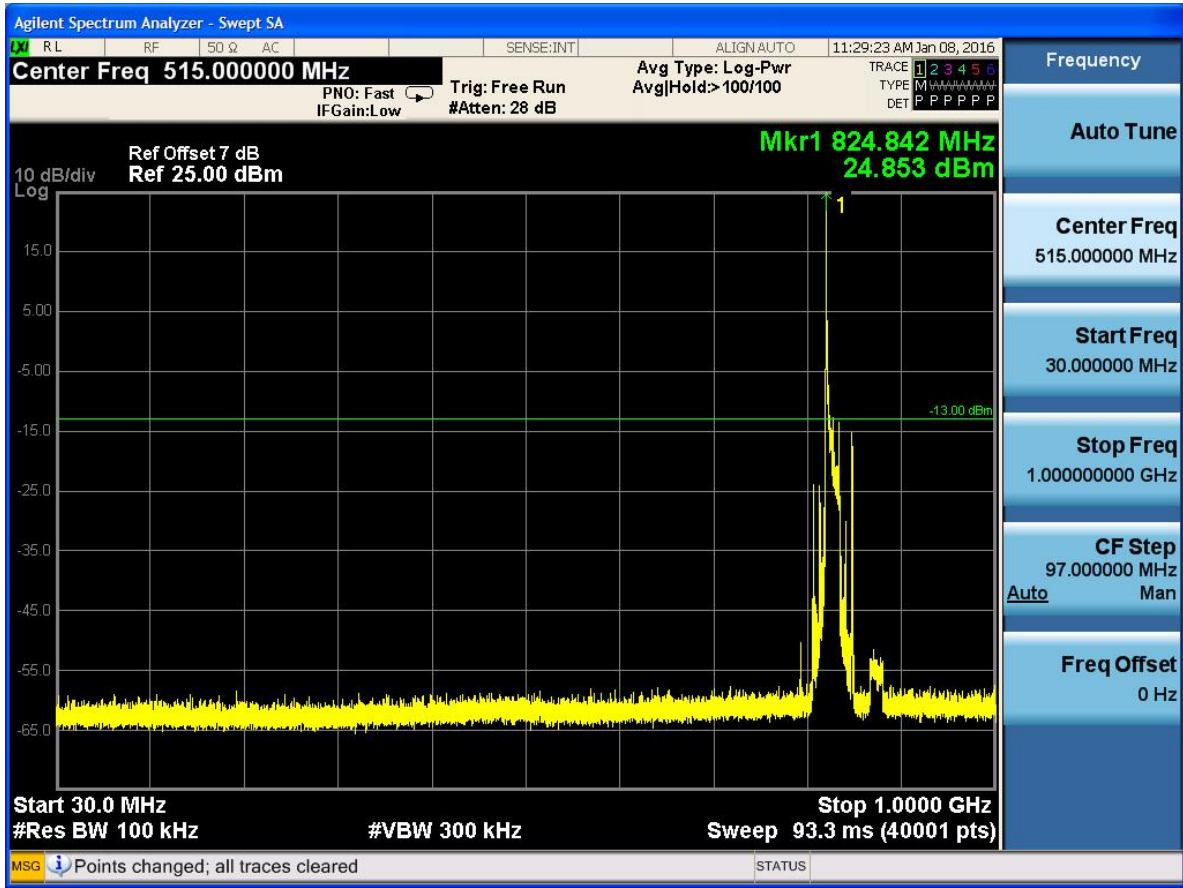
6.1.1.2.5 Test Bandwidth = 15

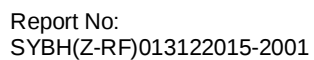
6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0



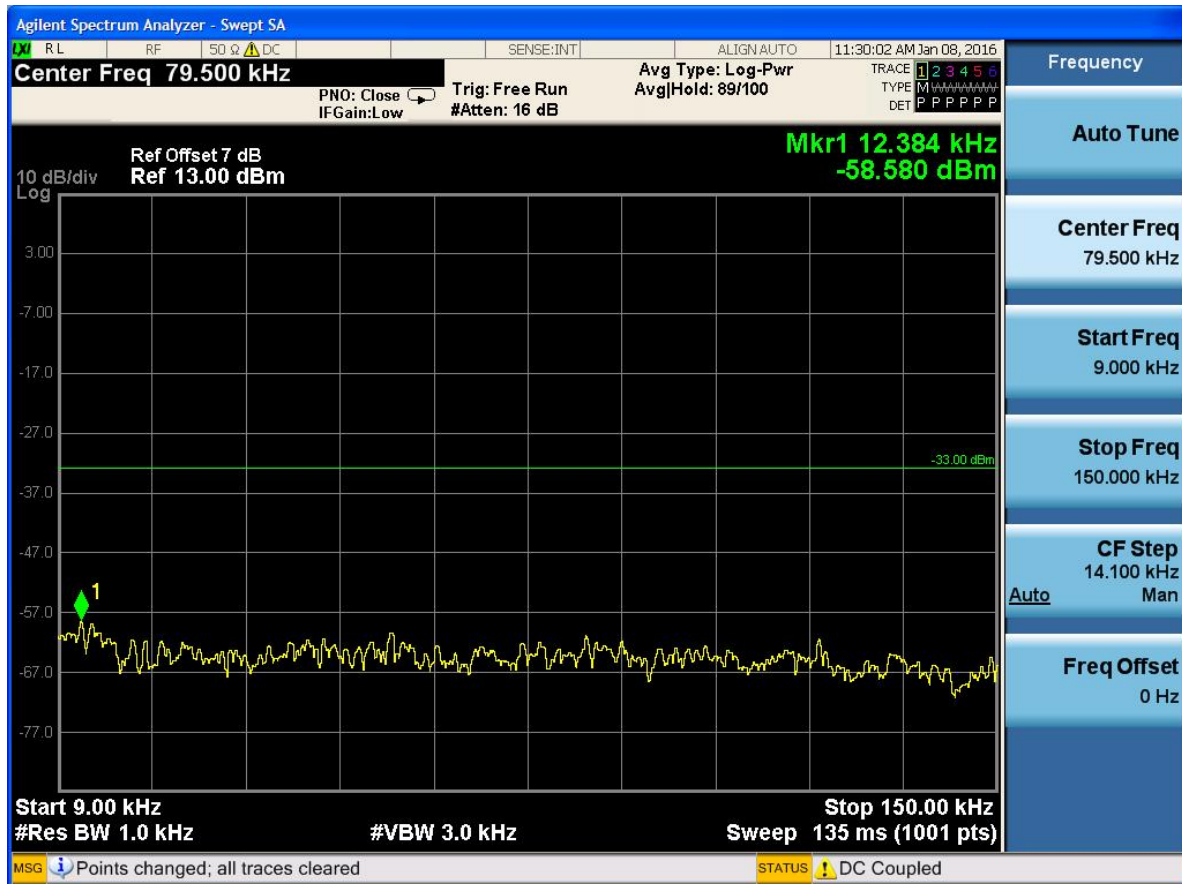




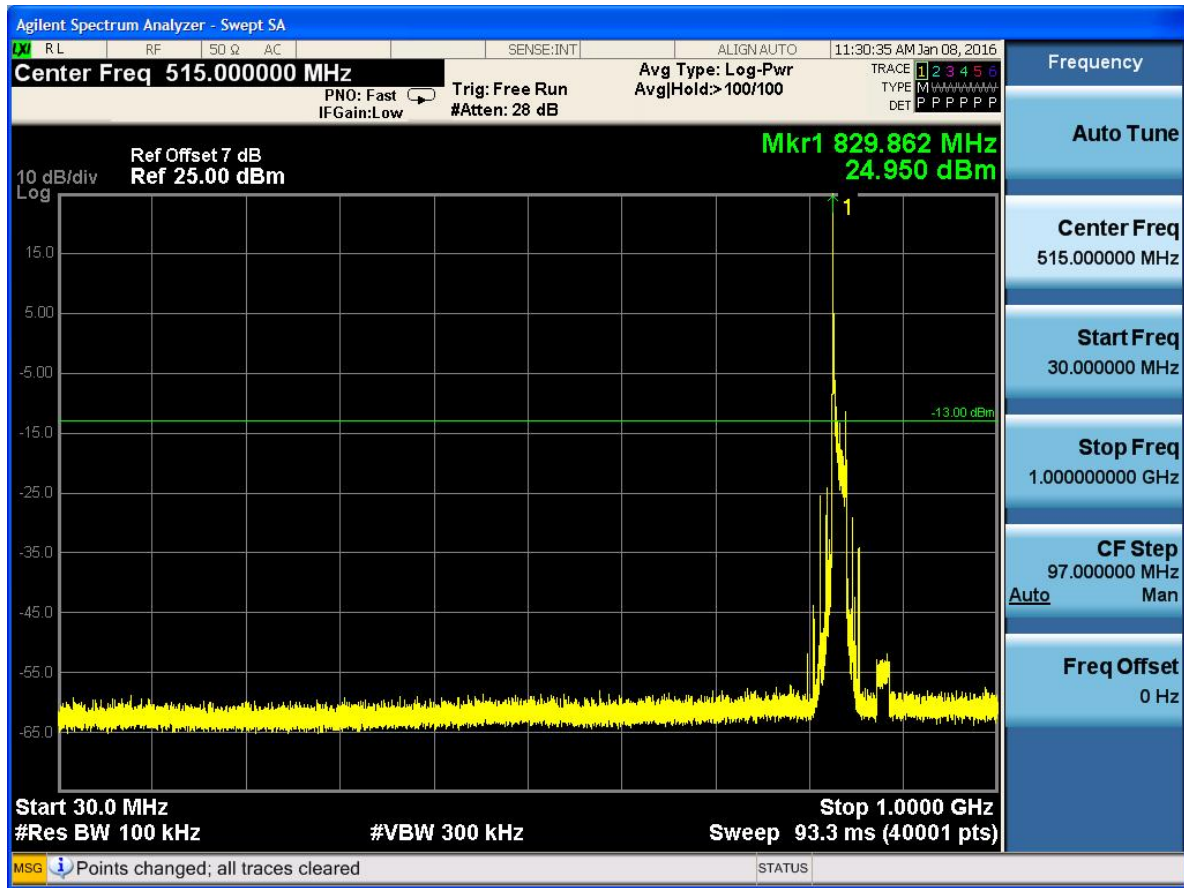


6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0





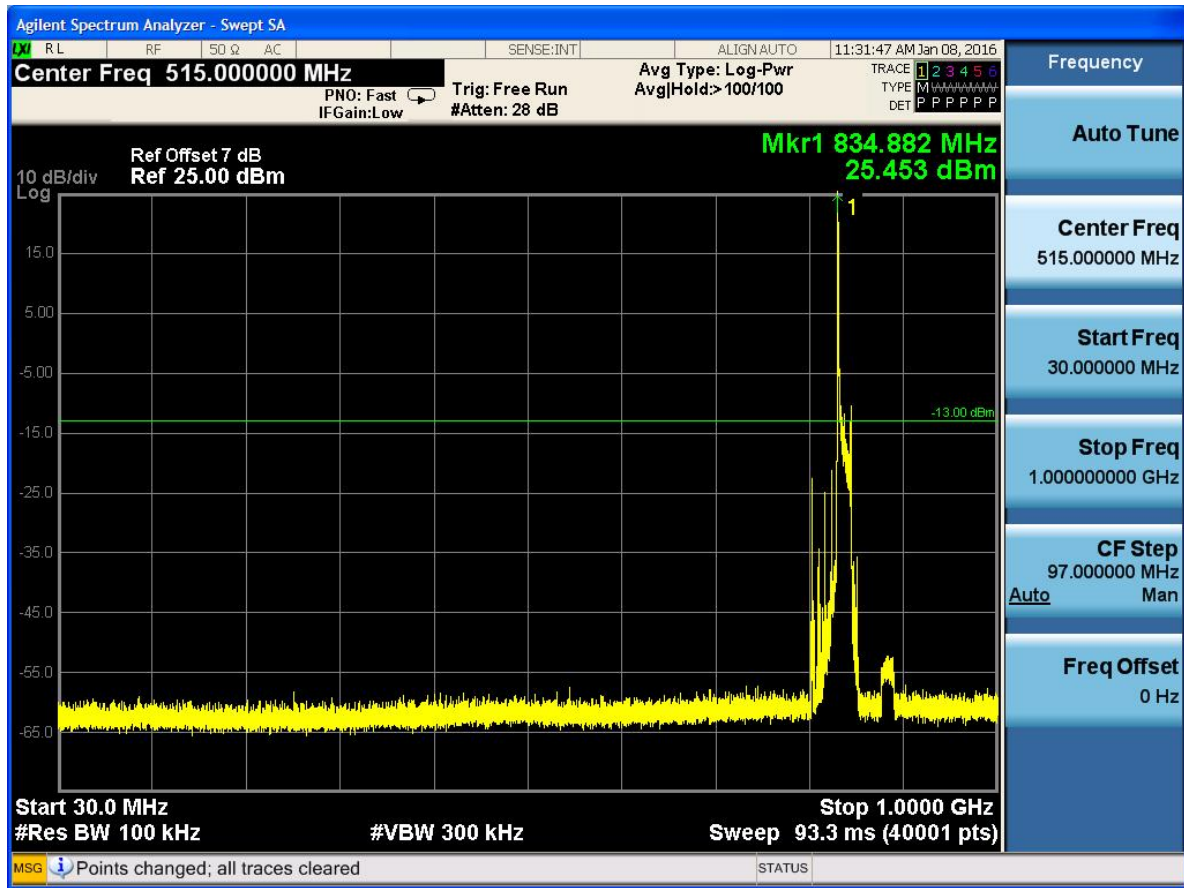


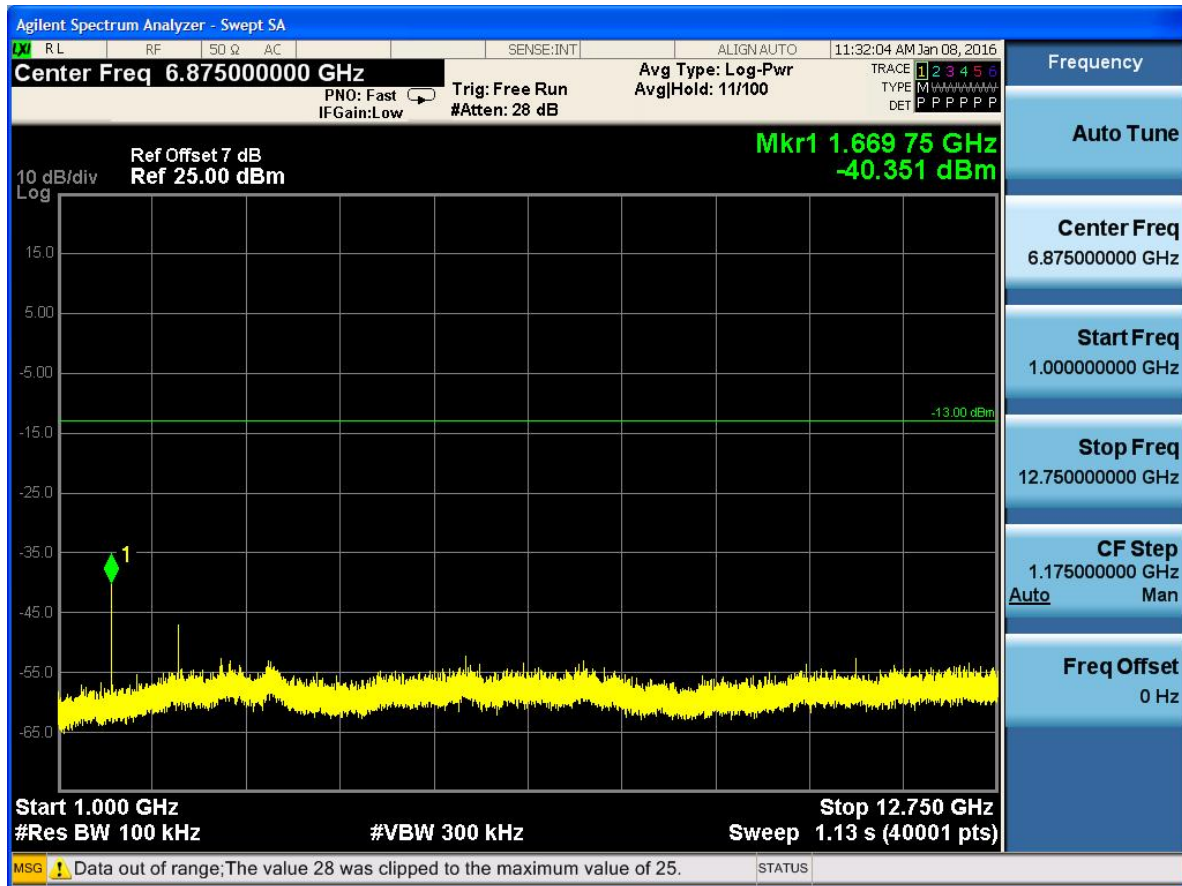
6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0









7Appendix_G: Field Strength of Spurious Radiation

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

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

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

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

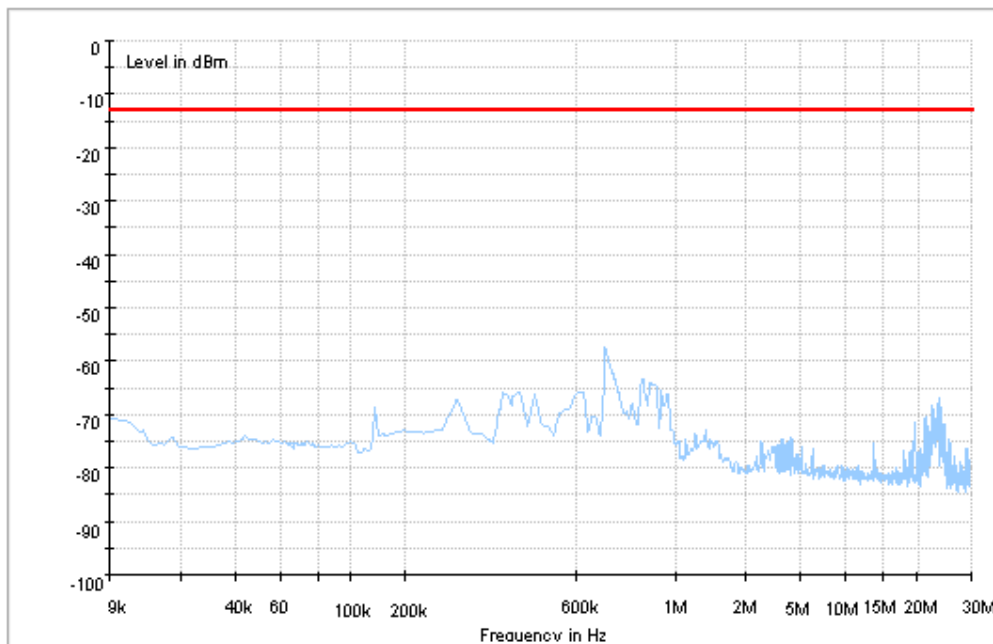
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

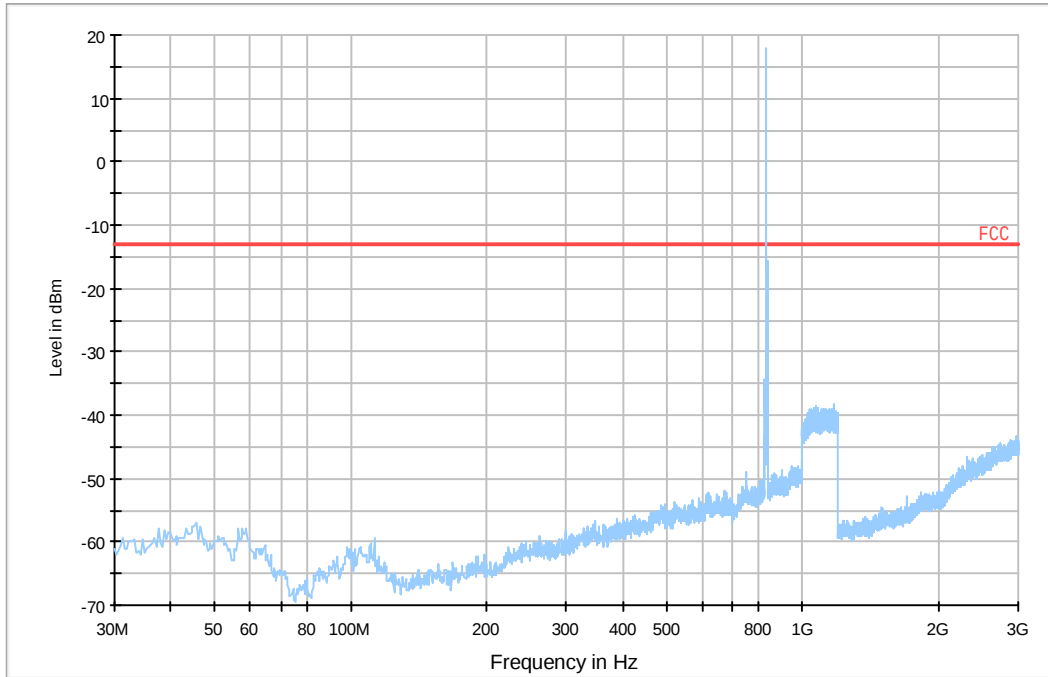
7.1 For LTE

7.1.1 Test Band = BAND26

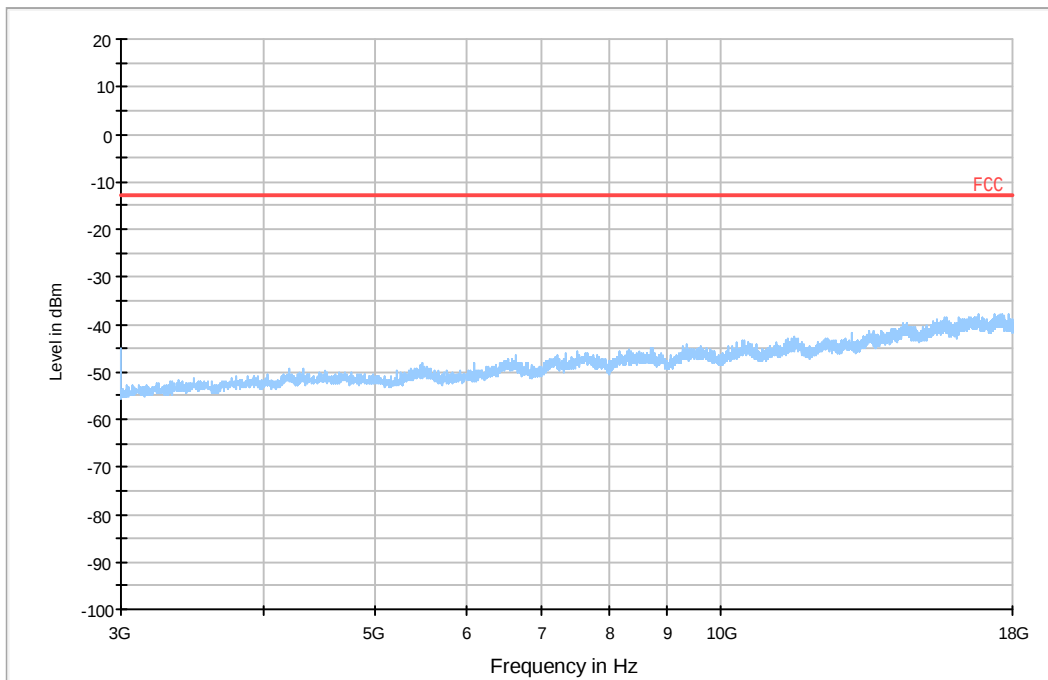
7.1.1.1 Test Bandwidth = 1.4



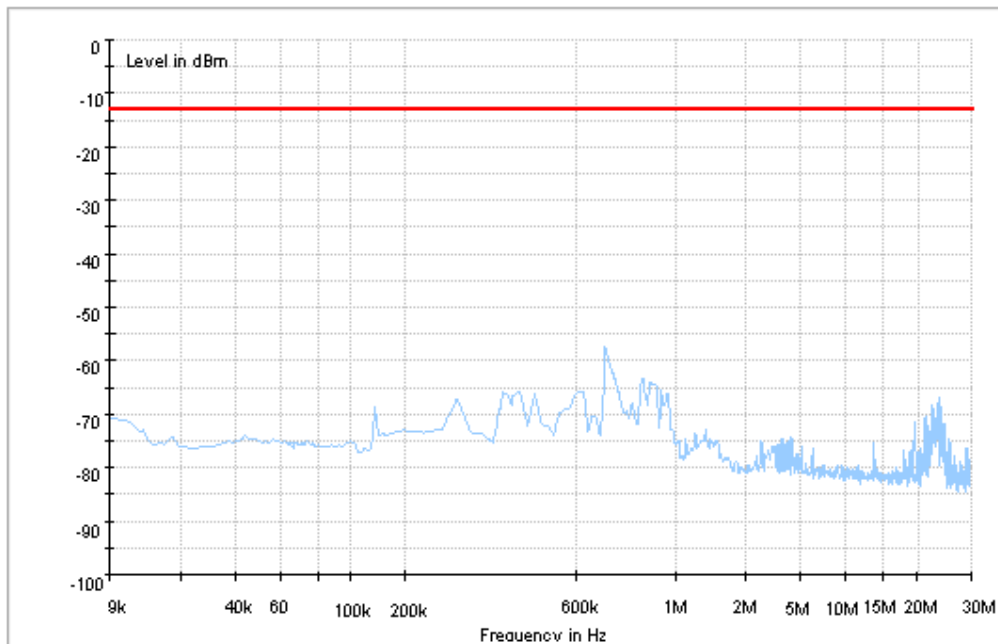
Copy of RSE-TX-DIRECTOR BELOW 1G_L



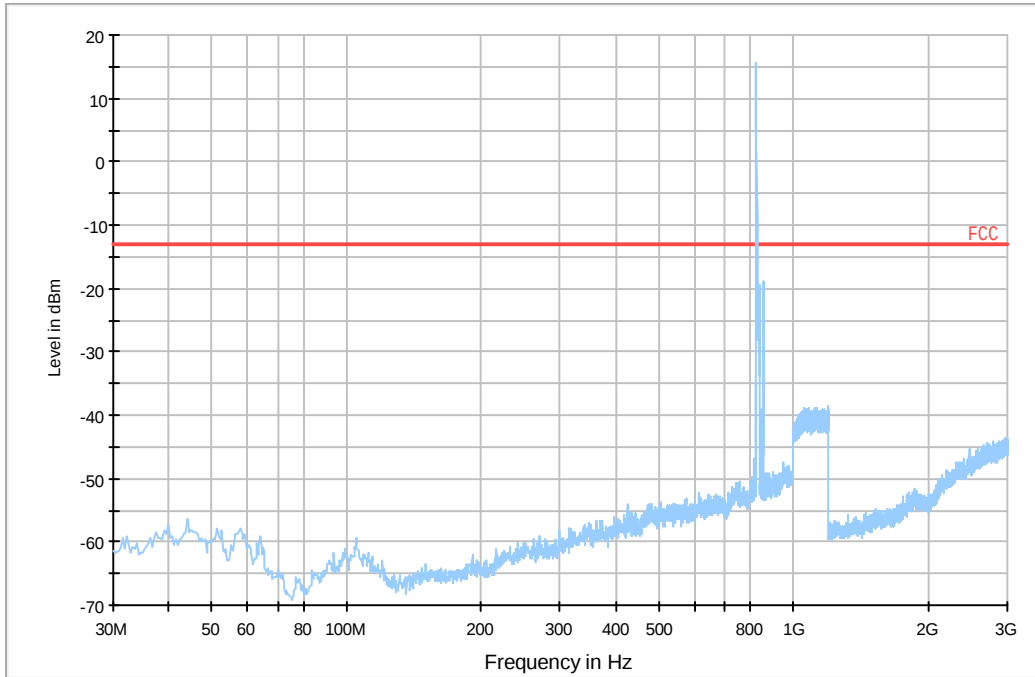
Copy of RSE-TX-DIRECTOR BELOW 1G_H



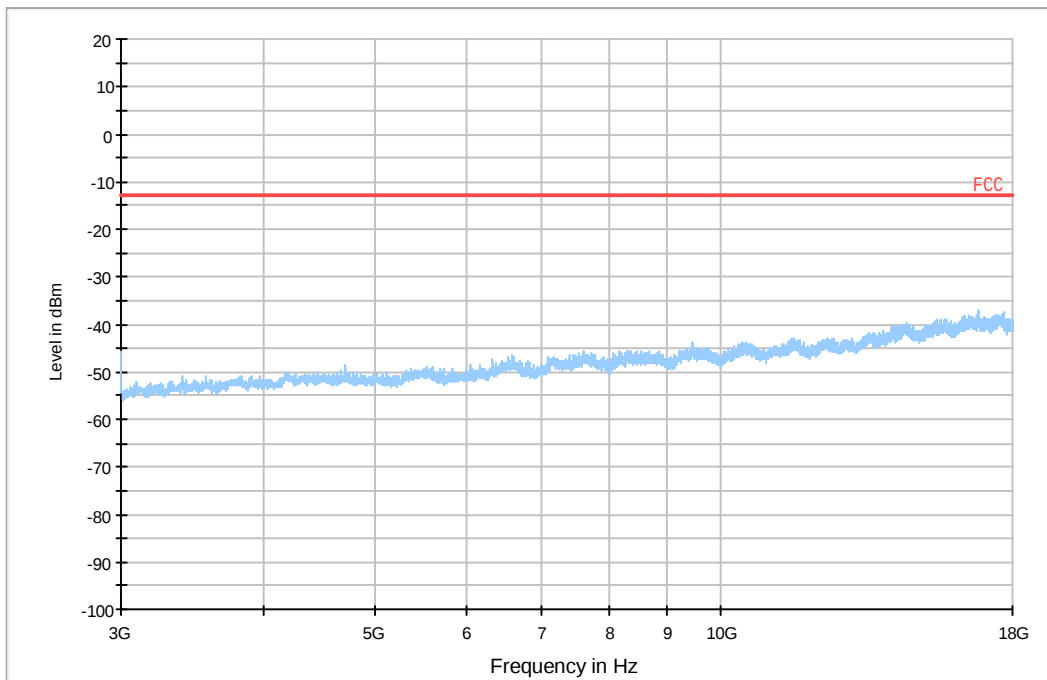
7.1.1.3 Test Bandwidth = 15



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND26	LTE/TM1	1.4	LCH	TN	VL	10.47	0.0127	PASS
					VN	12.82	0.01555	PASS
					VH	3.96	0.0048	PASS
			MCH	TN	VL	-6.78	-0.00811	PASS
					VN	-2.43	-0.0029	PASS
					VH	-3.59	-0.00429	PASS
			HCH	TN	VL	13.62	0.01606	PASS
					VN	-5.19	-0.00612	PASS
					VH	18.65	0.02199	PASS
		3	LCH	TN	VL	3.13	0.00379	PASS
					VN	1.39	0.00168	PASS
					VH	2.82	0.00342	PASS
			MCH	TN	VL	0.53	0.00063	PASS
					VN	-4.91	-0.00587	PASS
					VH	-2.47	-0.00295	PASS
			HCH	TN	VL	-6.12	-0.00722	PASS
					VN	-6.12	-0.00722	PASS
					VH	1.43	0.00169	PASS
		5	LCH	TN	VL	-0.82	-0.00099	PASS
					VN	-3.82	-0.00462	PASS
					VH	-0.56	-0.00068	PASS
			MCH	TN	VL	1.34	0.0016	PASS
					VN	-1.62	-0.00194	PASS
					VH	-0.20	-0.00024	PASS
			HCH	TN	VL	-1.26	-0.00149	PASS
					VN	0.33	0.00039	PASS
					VH	0.40	0.00047	PASS
		10	LCH	TN	VL	0.50	0.0006	PASS
					VN	0.17	0.00021	PASS
					VH	-0.13	-0.00016	PASS
			MCH	TN	VL	1.90	0.00227	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-1.66	-0.00198	PASS
					VH	2.65	0.00317	PASS
			HCH	TN	VL	-1.43	-0.00169	PASS
					VN	-1.23	-0.00146	PASS
					VH	-0.27	-0.00032	PASS
		15	LCH	TN	VL	-0.59	-0.00071	PASS
					VN	-0.21	-0.00025	PASS
					VH	1.33	0.0016	PASS
			MCH	TN	VL	-0.77	-0.00092	PASS
					VN	-1.63	-0.00195	PASS
					VH	-1.27	-0.00152	PASS
			HCH	TN	VL	-0.51	-0.00061	PASS
					VN	-0.73	-0.00087	PASS
					VH	-0.31	-0.00037	PASS
	LTE/TM2	1.4	LCH	TN	VL	-0.46	-0.00056	PASS
					VN	-5.87	-0.00712	PASS
					VH	-15.19	-0.01842	PASS
			MCH	TN	VL	-9.51	-0.01137	PASS
					VN	-5.55	-0.00663	PASS
					VH	-0.69	-0.00082	PASS
			HCH	TN	VL	-8.77	-0.01034	PASS
					VN	-3.91	-0.00461	PASS
					VH	-6.11	-0.0072	PASS
		3	LCH	TN	VL	0.74	0.0009	PASS
					VN	-2.62	-0.00317	PASS
					VH	0.14	0.00017	PASS
			MCH	TN	VL	6.82	0.00815	PASS
					VN	-8.93	-0.01068	PASS
					VH	-0.93	-0.00111	PASS
			HCH	TN	VL	8.05	0.0095	PASS
					VN	3.40	0.00401	PASS
					VH	5.56	0.00656	PASS
		5	LCH	TN	VL	1.67	0.00202	PASS
					VN	-0.50	-0.0006	PASS
					VH	-0.82	-0.00099	PASS
			MCH	TN	VL	-2.52	-0.00301	PASS
					VN	3.45	0.00412	PASS
					VH	4.39	0.00525	PASS
			HCH	TN	VL	-2.62	-0.0031	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-2.50	-0.00295	PASS
					VH	-1.92	-0.00227	PASS
		10	LCH	TN	VL	0.53	0.00064	PASS
					VN	0.90	0.00109	PASS
					VH	0.89	0.00107	PASS
			MCH	TN	VL	1.82	0.00218	PASS
					VN	0.26	0.00031	PASS
					VH	-1.62	-0.00194	PASS
			HCH	TN	VL	0.84	0.001	PASS
					VN	0.79	0.00094	PASS
					VH	-1.70	-0.00201	PASS
		15	LCH	TN	VL	-1.27	-0.00153	PASS
					VN	-0.77	-0.00093	PASS
					VH	-0.99	-0.00119	PASS
			MCH	TN	VL	-1.70	-0.00203	PASS
					VN	-1.04	-0.00124	PASS
					VH	-2.78	-0.00332	PASS
			HCH	TN	VL	-0.53	-0.00063	PASS
					VN	0.47	0.00056	PASS
					VH	-2.13	-0.00253	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
BAND26	LTE/TM1	1.4	LCH	VN	-30	10.69	0.01297	PASS
					-20	-0.33	-0.0005	PASS
					-10	-11.57	-0.01403	PASS
					0	-11.93	-0.01447	PASS
					10	-0.26	-0.00032	PASS
					20	-0.23	-0.00028	PASS
					30	2.53	0.00308	PASS
					40	0.23	0.00028	PASS
					50	5.12	0.00621	PASS
			MCH	VN	-30	-0.9	-0.00108	PASS
					-20	-1.02	-0.00122	PASS
					-10	-0.76	-0.00091	PASS
					0	-0.41	-0.00049	PASS
					10	-6.12	-0.00732	PASS
					20	-0.97	-0.00116	PASS
					30	3.92	0.00469	PASS
					40	-0.9	-0.00108	PASS
					50	-0.4	-0.00048	PASS
			HCH	VN	-30	0.06	0.00007	PASS
					-20	0.21	0.00025	PASS
					-10	0.09	0.00011	PASS
					0	0.16	0.00019	PASS
					10	0.5	0.00059	PASS
					20	-0.26	-0.00031	PASS
					30	0	0	PASS
					40	-0.16	-0.00019	PASS
					50	-0.84	-0.00099	PASS
		3	LCH	VN	-30	31.13	0.03771	PASS
					-20	-5.44	-0.00659	PASS
					-10	53.3	0.06457	PASS
					0	21.84	0.02646	PASS
					10	61.28	0.07423	PASS
					20	50.81	0.06155	PASS
					30	-13.18	-0.01597	PASS
					40	17.37	0.02104	PASS
					50	-5.87	-0.00712	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	2.13	0.00255	PASS
					-20	1.22	0.00146	PASS
					-10	1.5	0.00179	PASS
					0	2.7	0.00323	PASS
					10	-2.37	-0.00283	PASS
					20	0.94	0.00112	PASS
					30	3.62	0.00433	PASS
					40	-4.45	-0.00532	PASS
					50	5.68	0.00679	PASS
			HCH	VN	-30	2.69	0.00317	PASS
					-20	21.33	0.02517	PASS
					-10	-8.65	-0.01021	PASS
					0	0.49	0.00058	PASS
					10	-1.3	-0.00153	PASS
					20	2.63	0.0031	PASS
					30	1.92	0.00227	PASS
					40	-3.25	-0.00383	PASS
					50	10.57	0.01247	PASS
		5	LCH	VN	-30	-3.79	-0.00459	PASS
					-20	-1.34	-0.00162	PASS
					-10	-0.97	-0.00117	PASS
					0	-7.34	-0.00888	PASS
					10	-3.71	-0.00449	PASS
					20	-0.77	-0.00093	PASS
					30	0.36	0.00044	PASS
					40	0.24	0.00029	PASS
					50	1.75	0.00212	PASS
			MCH	VN	-30	-0.77	-0.00092	PASS
					-20	-1.76	-0.0021	PASS
					-10	-5.09	-0.00608	PASS
					0	0.26	0.00031	PASS
					10	-1.23	-0.00147	PASS
					20	-7	-0.00837	PASS
					30	-5.29	-0.00632	PASS
					40	-3.83	-0.00458	PASS
					50	-0.94	-0.00112	PASS
			HCH	VN	-30	9.63	0.01138	PASS
					-20	-4.22	-0.00499	PASS
					-10	-6.27	-0.00741	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	2.82	0.00333	PASS
					10	-3.78	-0.00447	PASS
					20	-5.91	-0.00698	PASS
					30	3.18	0.00376	PASS
					40	4.96	0.00586	PASS
					50	-0.93	-0.0011	PASS
		10	LCH	VN	-30	-9.16	-0.01105	PASS
					-20	8.53	0.01029	PASS
					-10	13.05	0.01574	PASS
					0	12.69	0.01531	PASS
					10	3.76	0.00454	PASS
					20	-16.06	-0.01937	PASS
					30	-5.45	-0.00657	PASS
					40	-1.36	-0.00164	PASS
					50	27.29	0.03292	PASS
			MCH	VN	-30	317.2	0.3792	PASS
					-20	293.9	0.35134	PASS
					-10	-0.53	-0.00063	PASS
					0	-35.85	-0.04286	PASS
					10	-0.19	-0.00023	PASS
					20	506.47	0.60546	PASS
					30	-0.31	-0.00037	PASS
					40	-0.1	-0.00012	PASS
					50	376.47	0.45005	PASS
			HCH	VN	-30	-1.86	-0.0022	PASS
					-20	-8.53	-0.01011	PASS
					-10	3.45	0.00409	PASS
					0	-5.61	-0.00665	PASS
					10	-2.29	-0.00271	PASS
					20	-8.17	-0.00968	PASS
					30	-1.19	-0.00141	PASS
					40	-2.46	-0.00291	PASS
					50	-9.38	-0.01111	PASS
		15	LCH	VN	-30	-6.55	-0.00788	PASS
					-20	6.42	0.00772	PASS
					-10	-21.11	-0.02539	PASS
					0	-8.71	-0.01048	PASS
					10	3.56	0.00428	PASS
					20	-5.97	-0.00718	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-5.72	-0.00688	PASS
					40	-5.88	-0.00707	PASS
					50	-13.28	-0.01597	PASS
			MCH	VN	-30	38.65	0.0462	PASS
					-20	41.23	0.04929	PASS
					-10	96.72	0.11562	PASS
					0	83.5	0.09982	PASS
					10	138.16	0.16516	PASS
					20	-7.7	-0.00921	PASS
					30	61.66	0.07371	PASS
					40	70.9	0.08476	PASS
					50	40.4	0.0483	PASS
			HCH	VN	-30	-8.25	-0.0098	PASS
					-20	-10.87	-0.01292	PASS
					-10	-3.26	-0.00387	PASS
					0	-6.52	-0.00775	PASS
					10	-8.03	-0.00954	PASS
					20	-7.68	-0.00913	PASS
					30	-9.7	-0.01153	PASS
					40	-7.64	-0.00908	PASS
					50	-11.79	-0.01401	PASS
	LTE/TM2	1.4	LCH	VN	-30	-0.72	-0.00087	PASS
					-20	-0.21	-0.00025	PASS
					-10	-1.56	-0.00189	PASS
					0	-7.37	-0.00894	PASS
					10	-0.34	-0.00041	PASS
					20	0	0	PASS
					30	-1.5	-0.00182	PASS
					40	7.81	0.00947	PASS
					50	-0.5	-0.00061	PASS
			MCH	VN	-30	-0.29	-0.00035	PASS
					-20	0.19	0.00023	PASS
					-10	0.16	0.00019	PASS
					0	-0.63	-0.00075	PASS
					10	0.64	0.00077	PASS
					20	-0.56	-0.00067	PASS
					30	0.07	0.00008	PASS
					40	-0.03	-0.00004	PASS
					50	-0.13	-0.00016	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	-0.34	-0.0004	PASS
					-20	-0.11	-0.00013	PASS
					-10	-0.09	-0.00011	PASS
					0	-1.04	-0.00123	PASS
					10	0.06	0.00007	PASS
					20	-1.06	-0.00125	PASS
					30	-0.66	-0.00078	PASS
					40	-0.26	-0.00031	PASS
					50	-0.26	-0.00031	PASS
		3	LCH	VN	-30	5.59	0.00677	PASS
					-20	8.94	0.01083	PASS
					-10	10.7	0.01296	PASS
					0	25.95	0.03144	PASS
					10	3.85	0.00466	PASS
					20	7.5	0.00909	PASS
					30	-9.44	-0.01144	PASS
					40	24.12	0.02922	PASS
					50	5.06	0.00613	PASS
			MCH	VN	-30	-0.47	-0.00056	PASS
					-20	-1.02	-0.00122	PASS
					-10	-2.96	-0.00354	PASS
					0	2.63	0.00314	PASS
					10	-8.53	-0.0102	PASS
					20	0.41	0.00049	PASS
					30	-0.4	-0.00048	PASS
					40	3.15	0.00377	PASS
					50	-0.23	-0.00027	PASS
			HCH	VN	-30	-1.39	-0.00164	PASS
					-20	-2.16	-0.00255	PASS
					-10	-2.35	-0.00277	PASS
					0	2.16	0.00255	PASS
					10	5.69	0.00671	PASS
					20	4.28	0.00505	PASS
					30	3.78	0.00446	PASS
					40	0.31	0.00037	PASS
					50	-5.72	-0.00675	PASS
		5	LCH	VN	-30	-6.84	-0.00828	PASS
					-20	3.46	0.00419	PASS
					-10	-15.55	-0.01881	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	1.13	0.00137	PASS
					10	-1.1	-0.00133	PASS
					20	2.16	0.00261	PASS
					30	3.2	0.00387	PASS
					40	-21.2	-0.02565	PASS
					50	-5.59	-0.00676	PASS
			MCH	VN	-30	-1.1	-0.00132	PASS
					-20	-1.97	-0.00236	PASS
					-10	-4.94	-0.00591	PASS
					0	-2.89	-0.00345	PASS
					10	1.73	0.00207	PASS
					20	-0.82	-0.00098	PASS
					30	-3.12	-0.00373	PASS
					40	0.24	0.00029	PASS
					50	-0.56	-0.00067	PASS
			HCH	VN	-30	-4.11	-0.00486	PASS
					-20	-5.09	-0.00601	PASS
					-10	2.05	0.00242	PASS
					0	0.66	0.00078	PASS
					10	-0.44	-0.00052	PASS
					20	-5.74	-0.00678	PASS
					30	16.38	0.01935	PASS
					40	-21.72	-0.02566	PASS
					50	-1.36	-0.00161	PASS
		10	LCH	VN	-30	7.32	0.00883	PASS
					-20	2.59	0.00312	PASS
					-10	-4.22	-0.00509	PASS
					0	6.47	0.0078	PASS
					10	3.45	0.00416	PASS
					20	-2.98	-0.00359	PASS
					30	-17.81	-0.02148	PASS
					40	6.35	0.00766	PASS
					50	-3.08	-0.00372	PASS
			MCH	VN	-30	-210.99	-0.25223	PASS
					-20	-238.68	-0.28533	PASS
					-10	-0.06	-0.00007	PASS
					0	-320.11	-0.38268	PASS
					10	0.06	0.00007	PASS
					20	-0.24	-0.00029	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-0.34	-0.00041	PASS
					40	-151.85	-0.18153	PASS
					50	-85.56	-0.10228	PASS
			HCH	VN	-30	14.68	0.01739	PASS
					-20	10.51	0.01245	PASS
					-10	-13.07	-0.01549	PASS
					0	1.56	0.00185	PASS
					10	-0.16	-0.00019	PASS
					20	-1.77	-0.0021	PASS
					30	0.9	0.00107	PASS
					40	-7	-0.00829	PASS
					50	-3.82	-0.00453	PASS
			LCH	VN	-30	-13.6	-0.01636	PASS
					-20	17.32	0.02083	PASS
					-10	-15.06	-0.01811	PASS
					0	35.06	0.04216	PASS
					10	-20.67	-0.02486	PASS
					20	-28.47	-0.03424	PASS
					30	3.1	0.00373	PASS
					40	10.23	0.0123	PASS
					50	8.78	0.01056	PASS
			MCH	VN	-30	-11.12	-0.01329	PASS
					-20	-96.43	-0.11528	PASS
					-10	5.62	0.00672	PASS
					0	-87.96	-0.10515	PASS
					10	-190.93	-0.22825	PASS
					20	6.21	0.00742	PASS
					30	-121.02	-0.14467	PASS
					40	-84.46	-0.10097	PASS
					50	-113.55	-0.13574	PASS
			HCH	VN	-30	-3.13	-0.00372	PASS
					-20	-2.07	-0.00246	PASS
					-10	-6.44	-0.00765	PASS
					0	1.53	0.00182	PASS
					10	-0.59	-0.0007	PASS
					20	-3	-0.00357	PASS
					30	-3.68	-0.00437	PASS
					40	0.7	0.00083	PASS
					50	-1.14	-0.00135	PASS
		15	LCH	VN	-30	-13.6	-0.01636	PASS
					-20	17.32	0.02083	PASS
					-10	-15.06	-0.01811	PASS
					0	35.06	0.04216	PASS
					10	-20.67	-0.02486	PASS
					20	-28.47	-0.03424	PASS
					30	3.1	0.00373	PASS
					40	10.23	0.0123	PASS
					50	8.78	0.01056	PASS
			MCH	VN	-30	-11.12	-0.01329	PASS
					-20	-96.43	-0.11528	PASS
					-10	5.62	0.00672	PASS
					0	-87.96	-0.10515	PASS
					10	-190.93	-0.22825	PASS
					20	6.21	0.00742	PASS
					30	-121.02	-0.14467	PASS
			HCH	VN	-30	-3.13	-0.00372	PASS
					-20	-2.07	-0.00246	PASS
					-10	-6.44	-0.00765	PASS
					0	1.53	0.00182	PASS
					10	-0.59	-0.0007	PASS
					20	-3	-0.00357	PASS
					30	-3.68	-0.00437	PASS
					40	0.7	0.00083	PASS
					50	-1.14	-0.00135	PASS



END