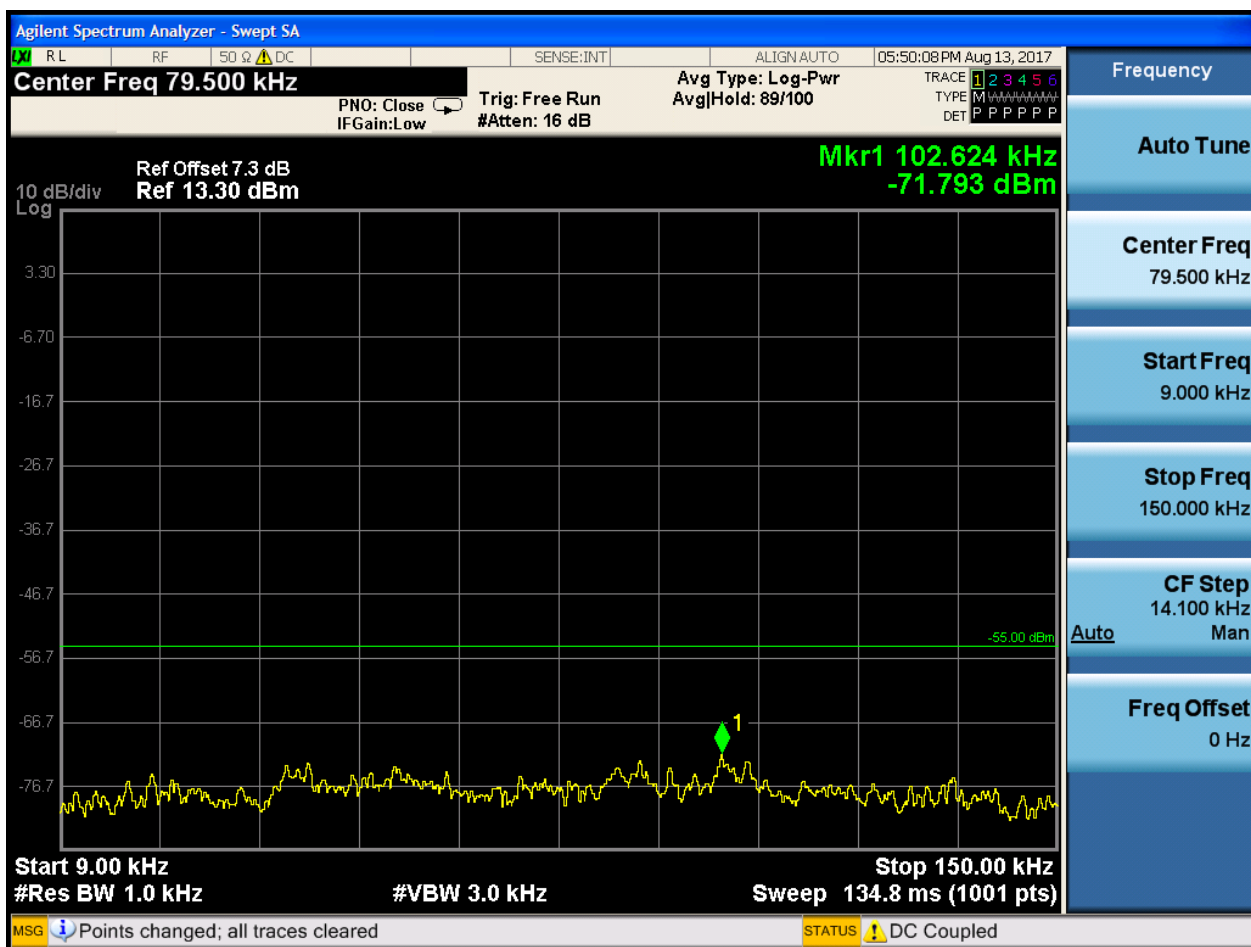
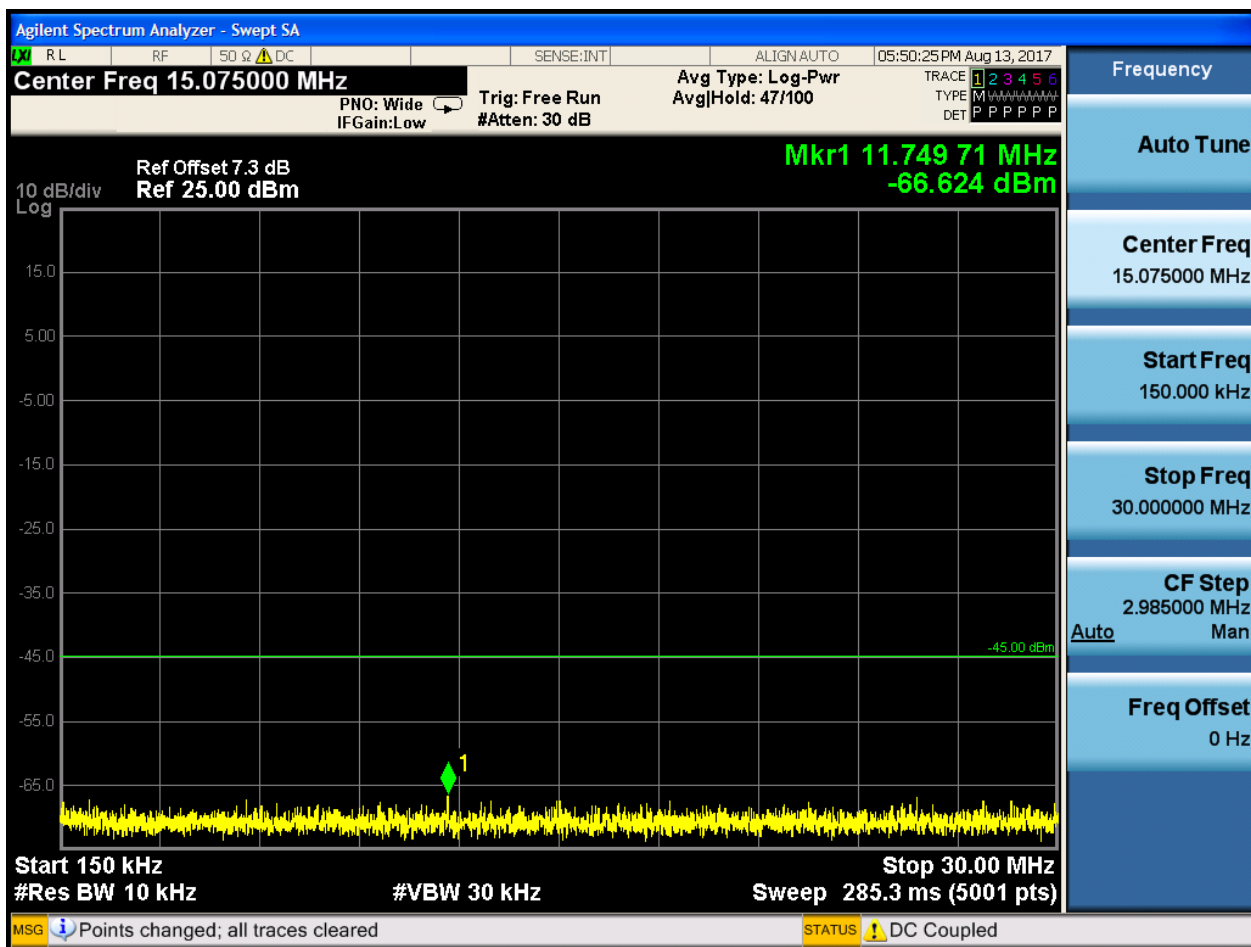


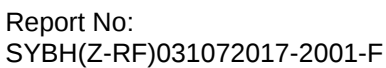
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

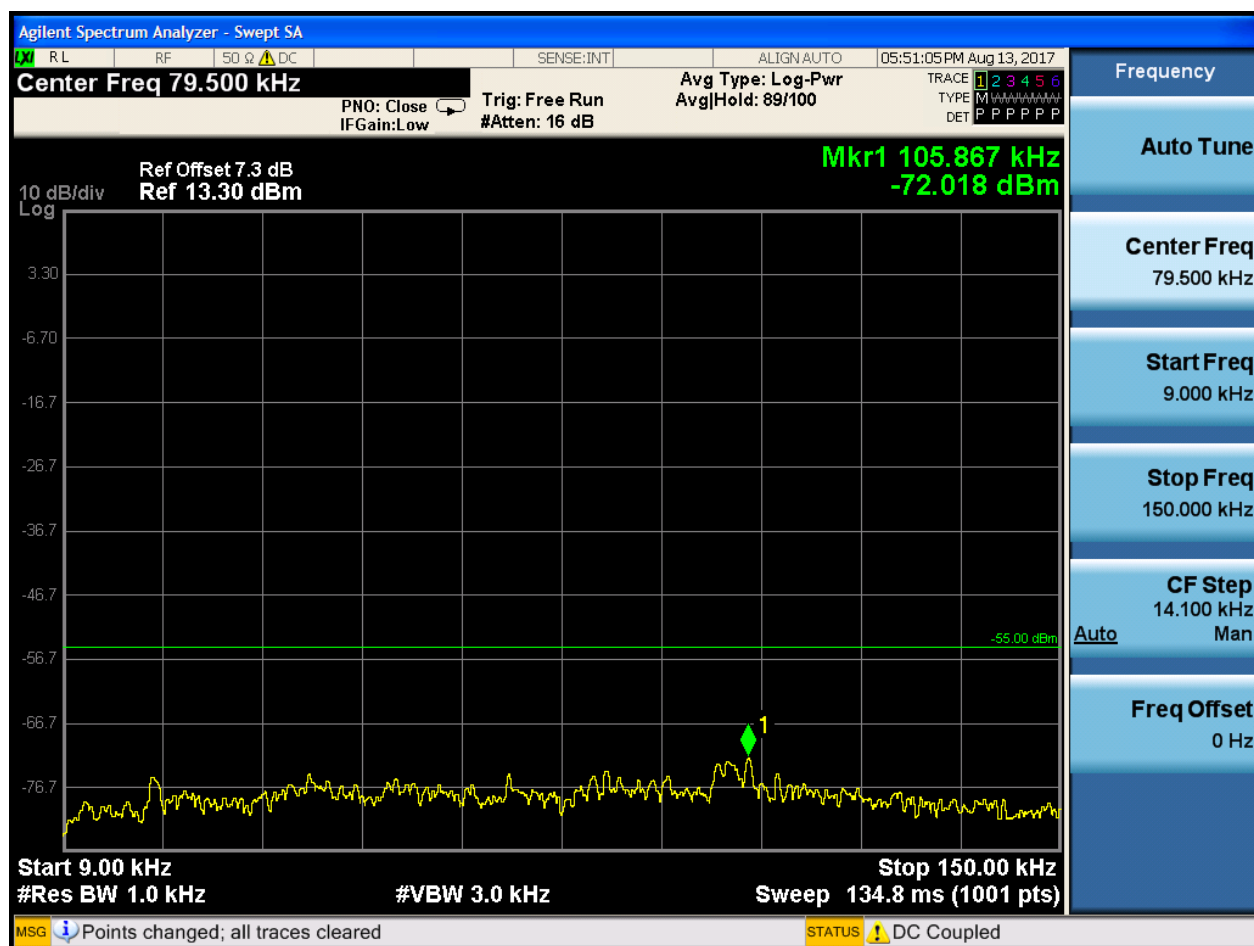


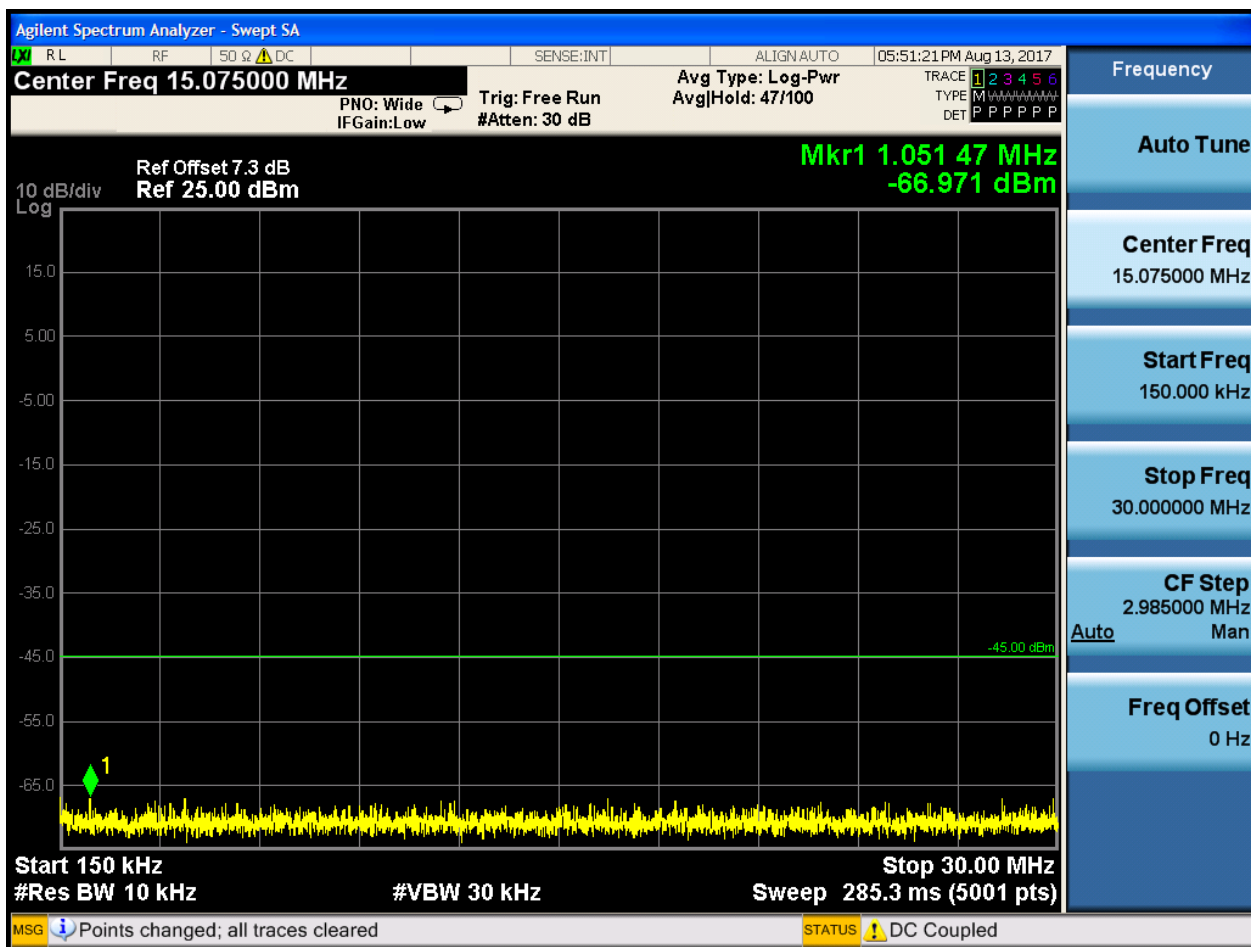


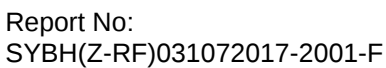


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

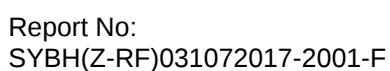


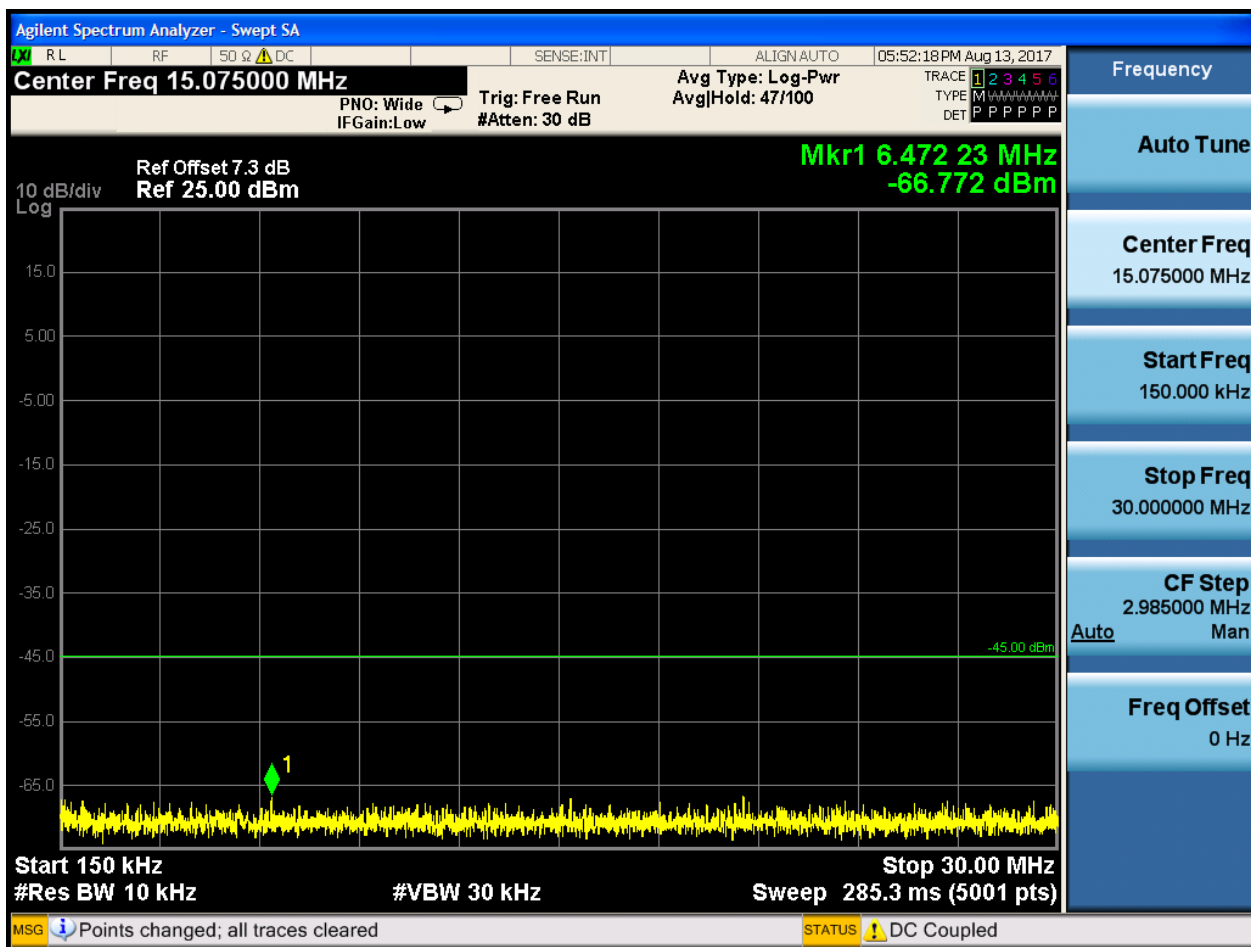


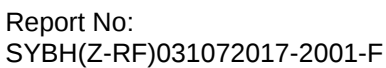




6.1.1.1.3.3.1 Test RB = RB1#0



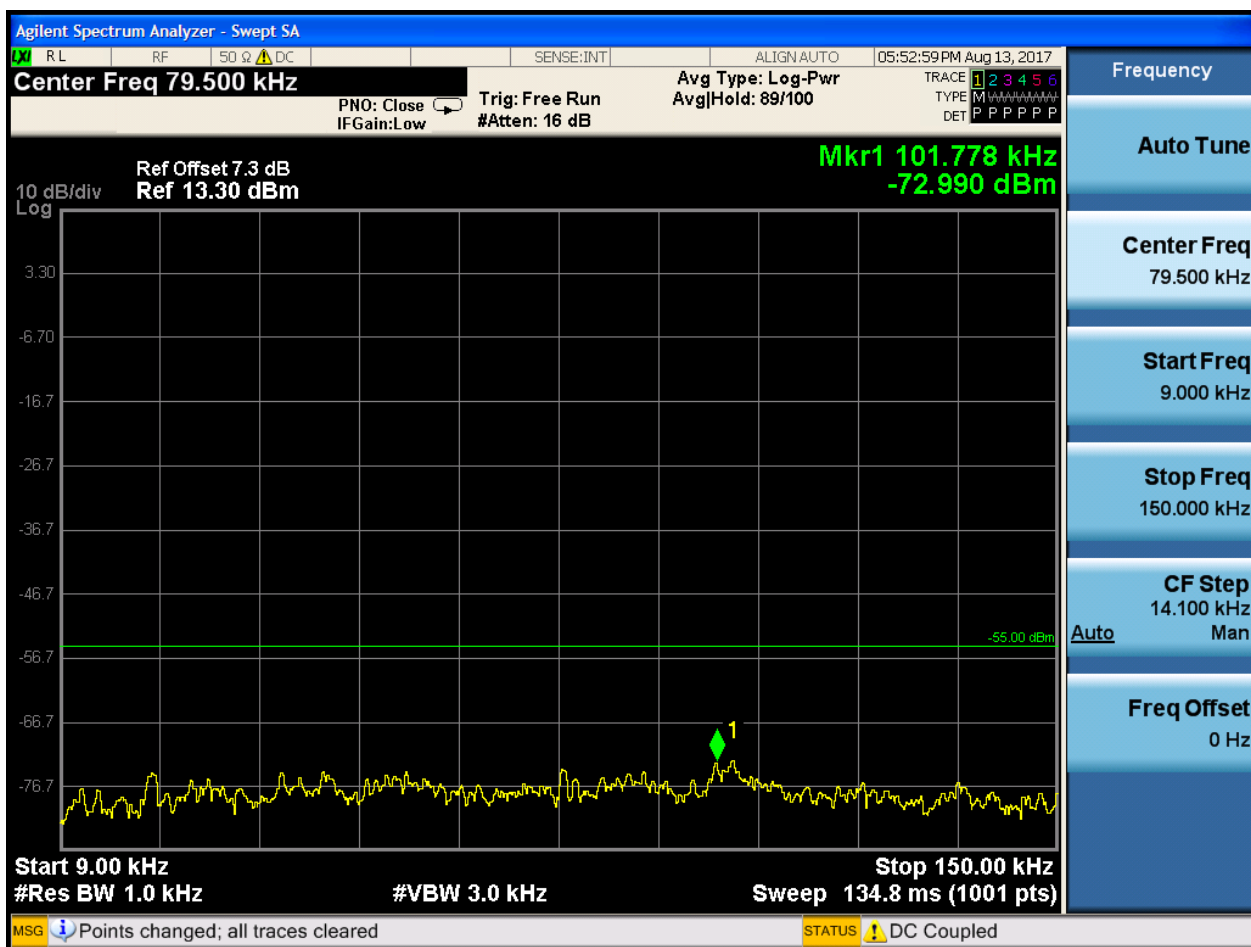


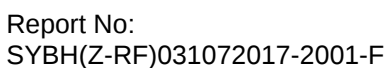


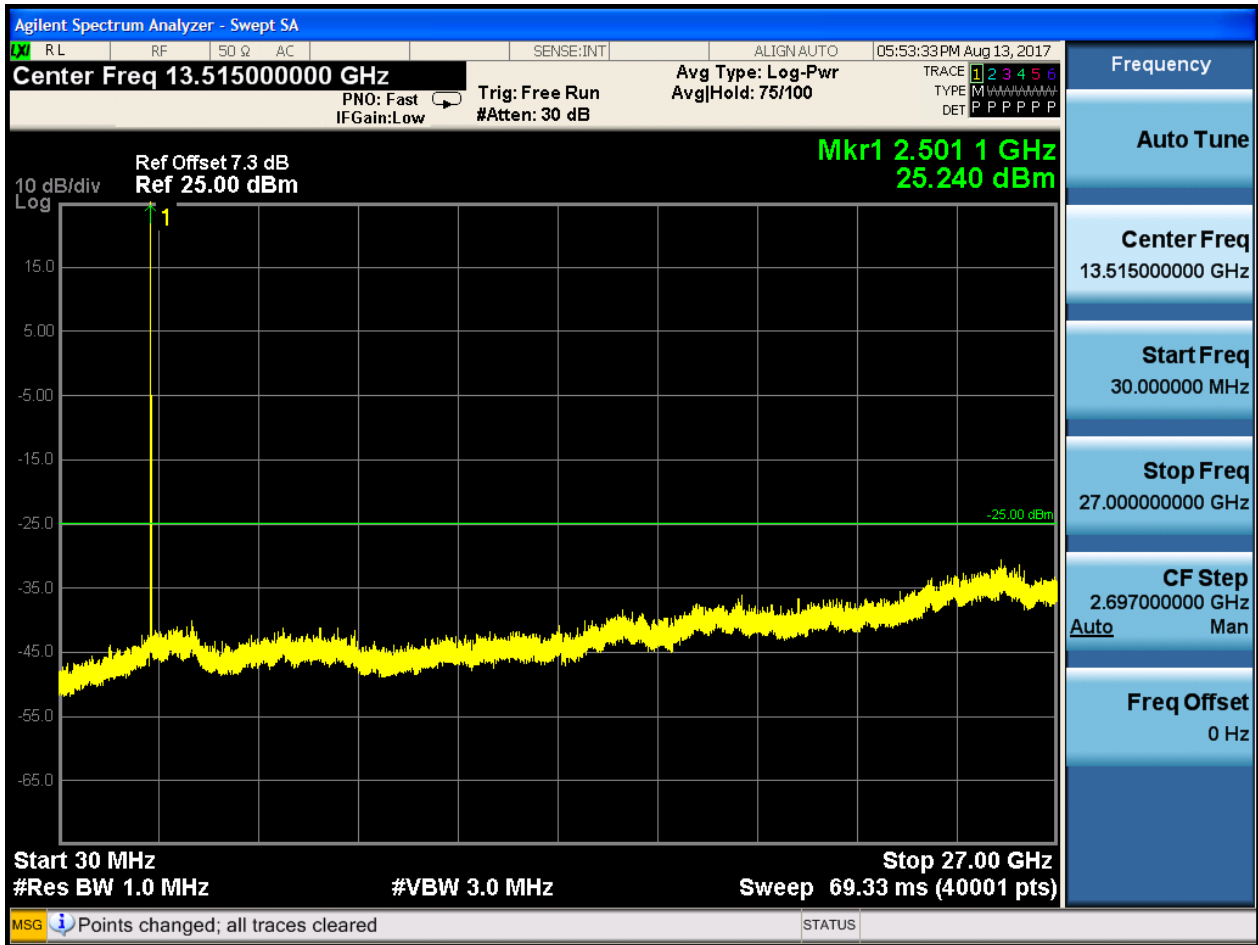
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

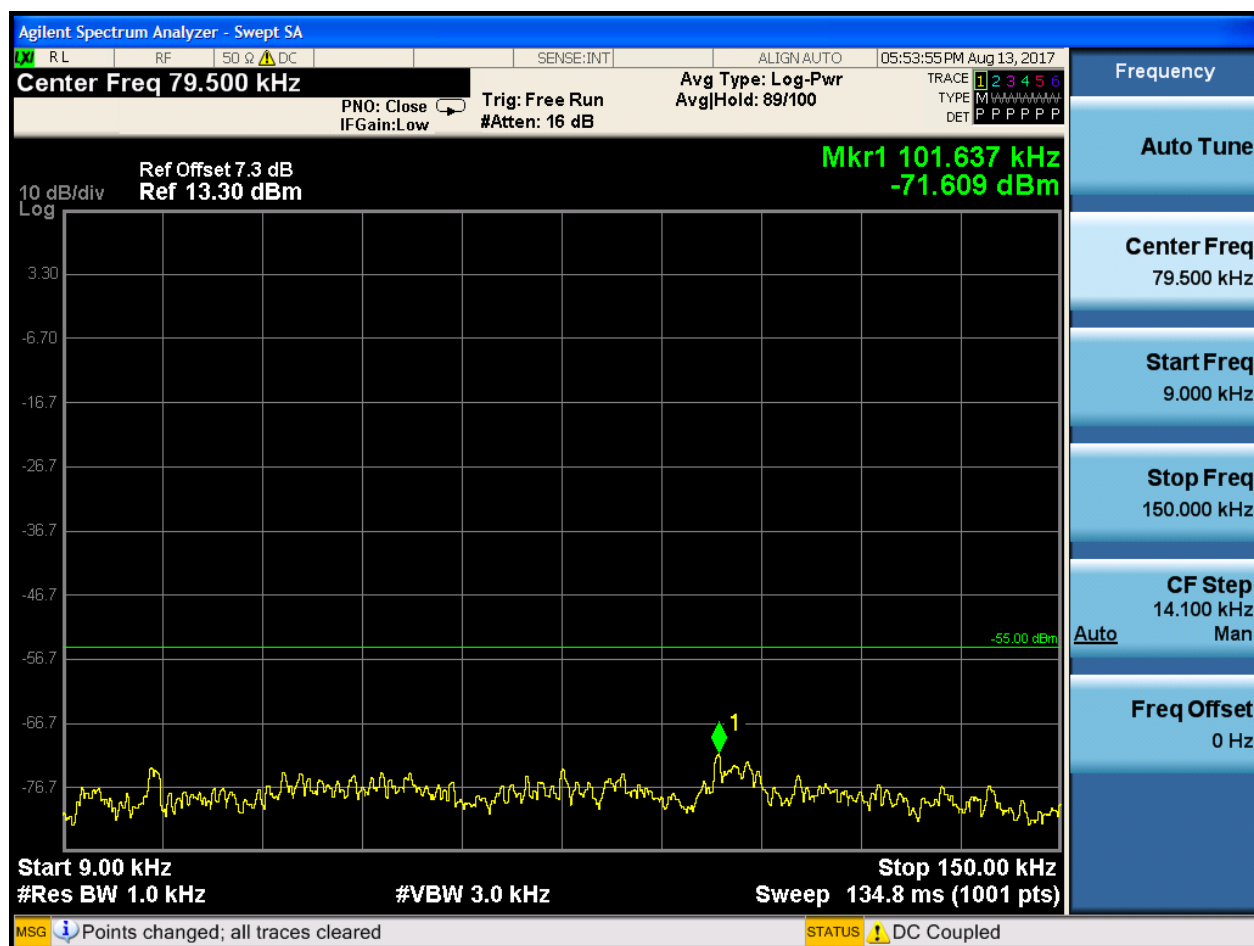


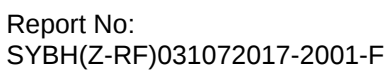


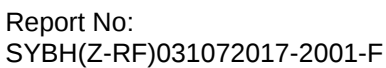


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

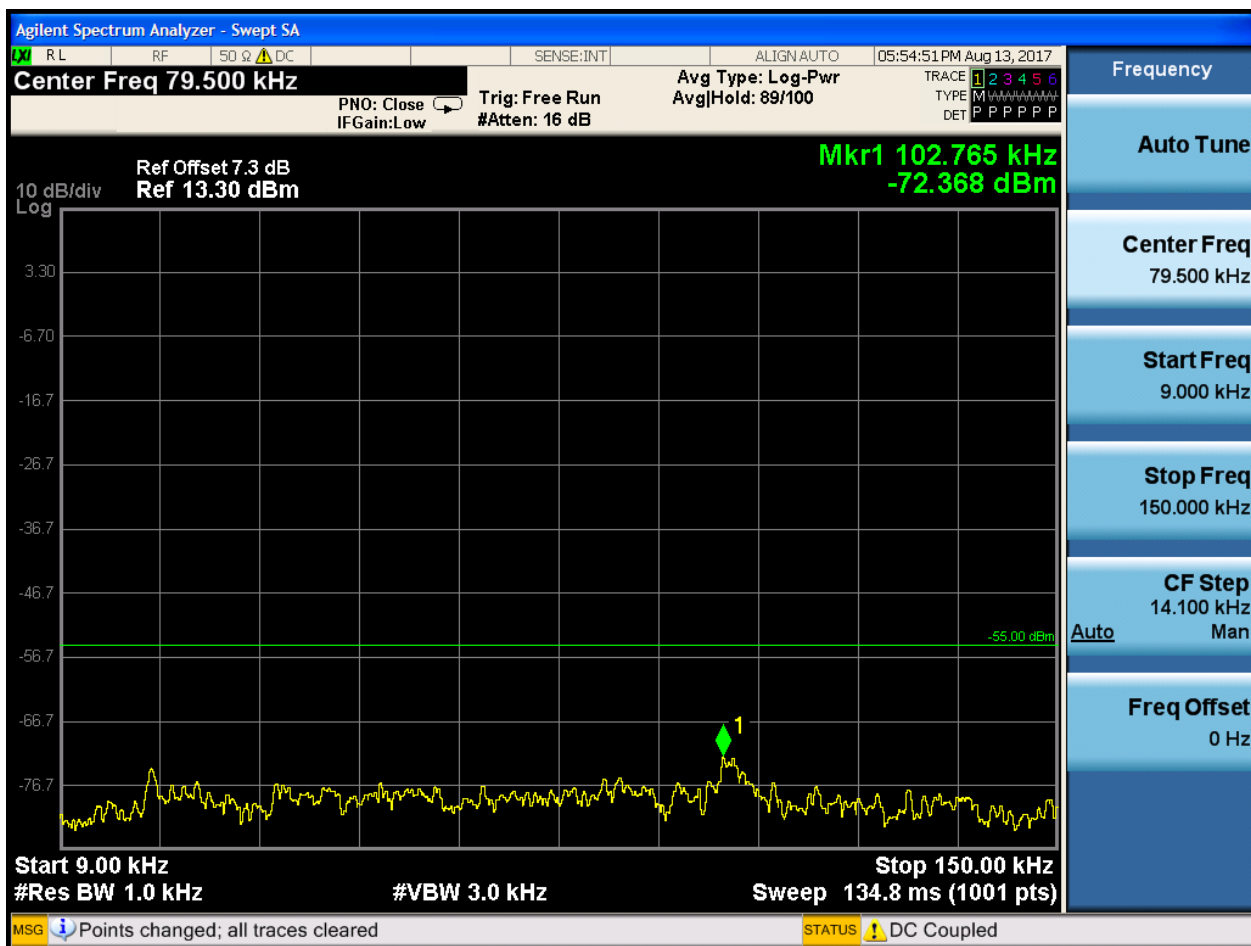


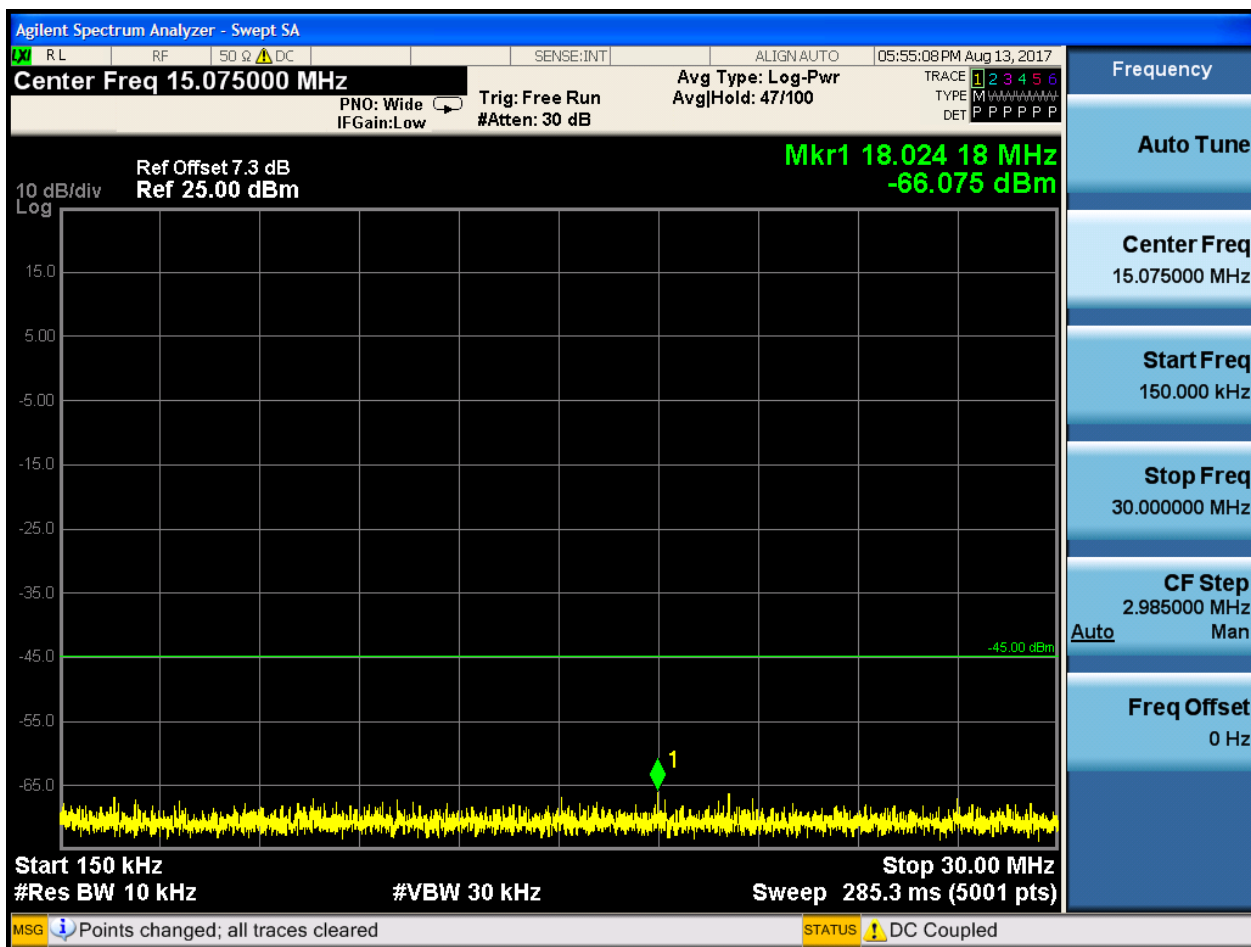


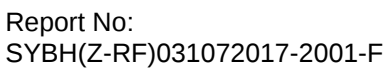


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





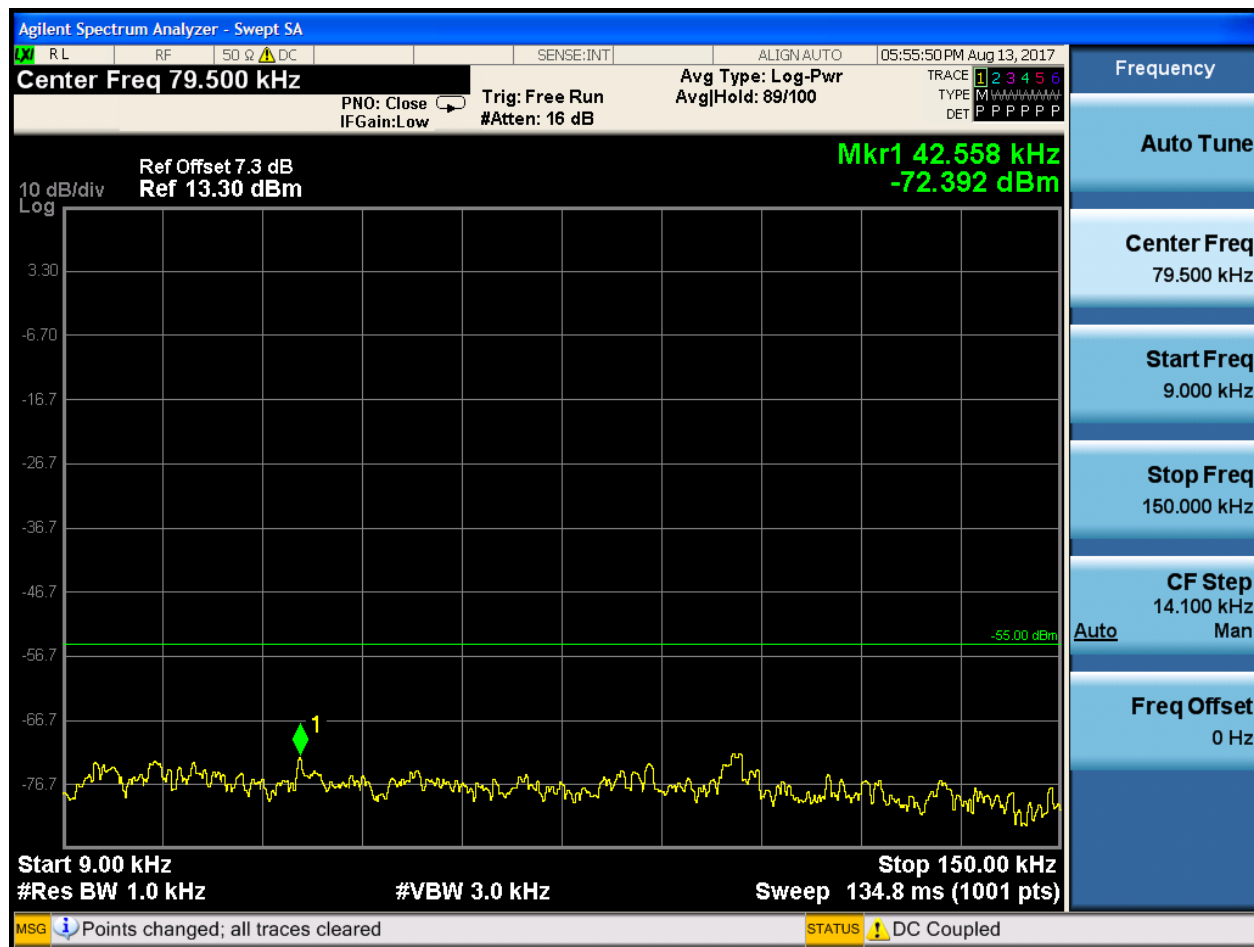


6.1.1.2 Test Mode = LTE/TM2

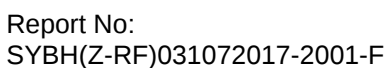
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

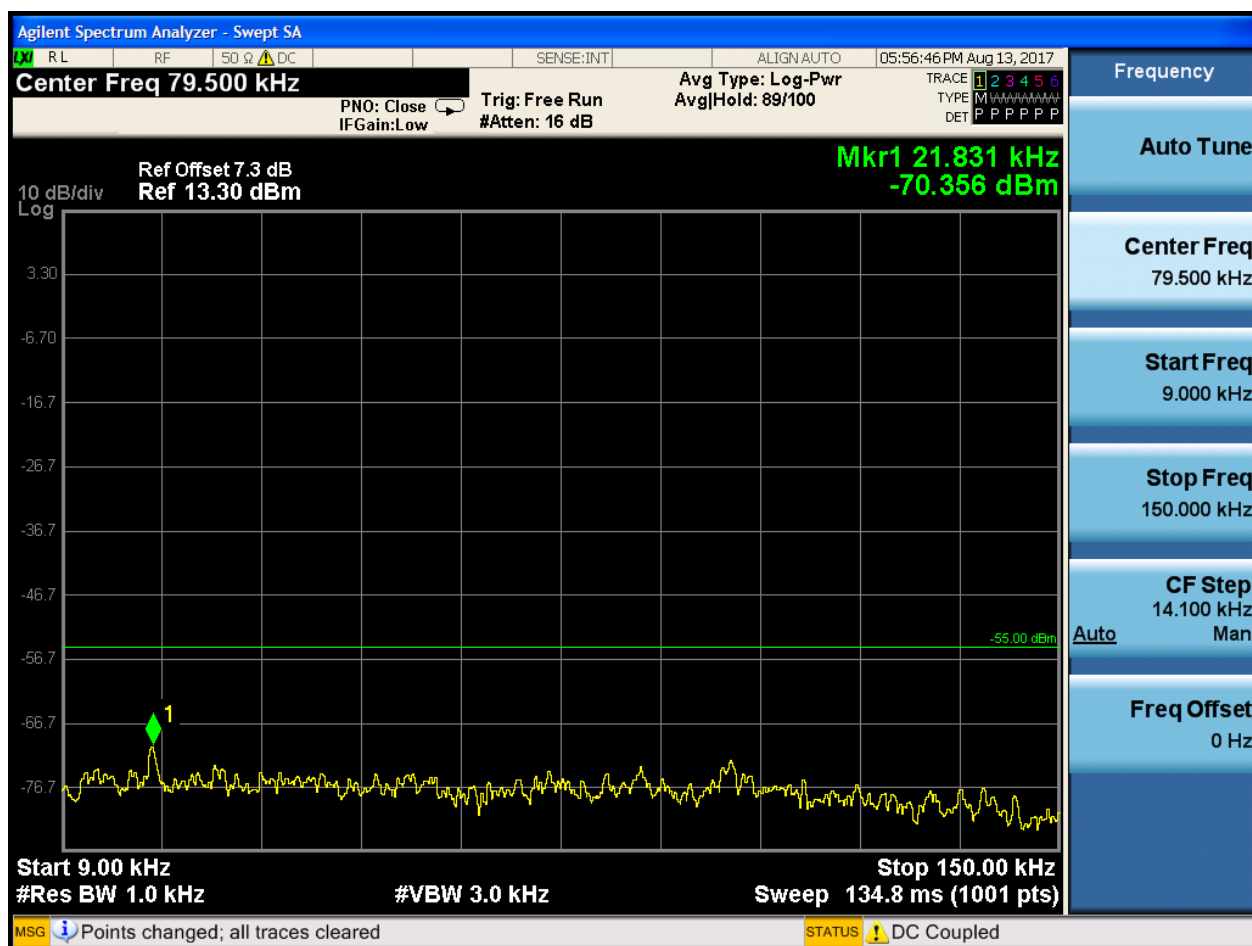




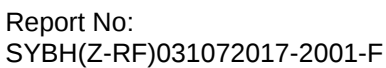


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



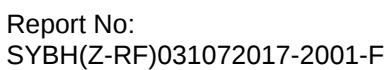


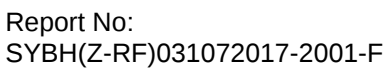


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



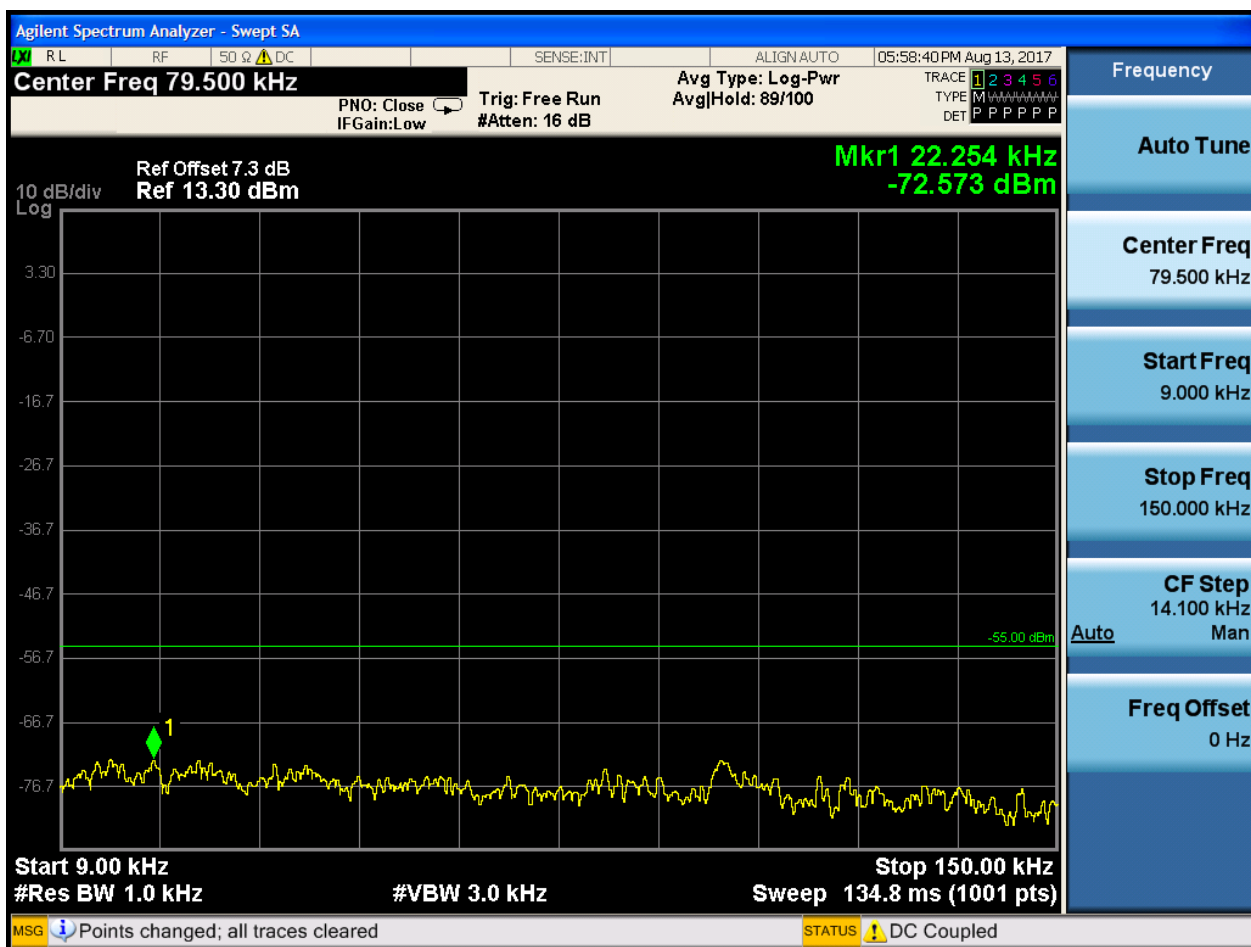


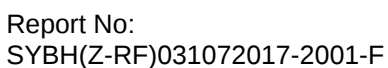


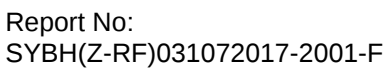
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

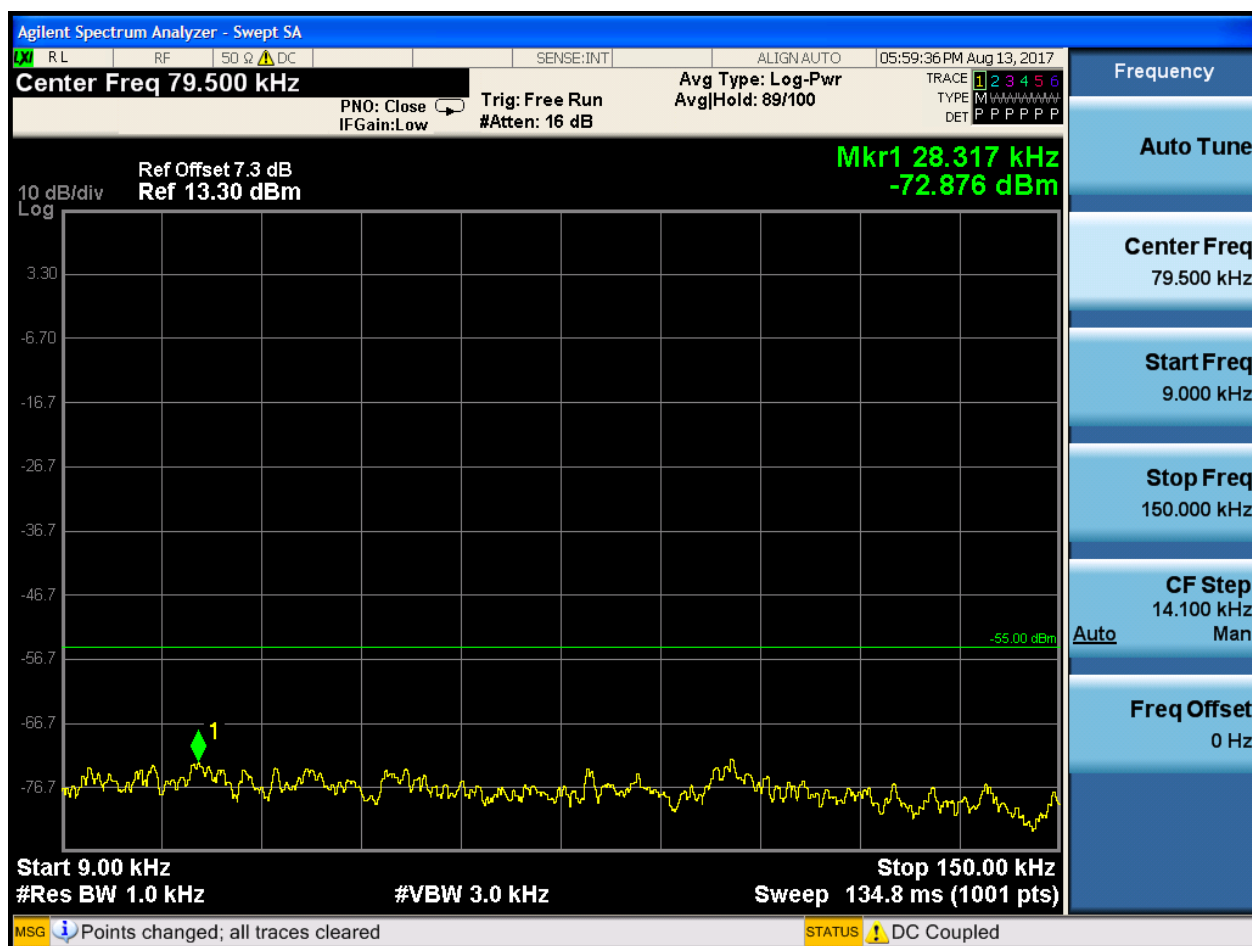


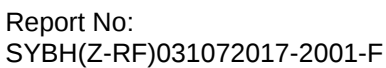


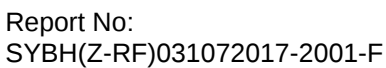


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



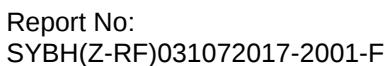


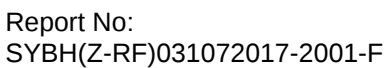


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



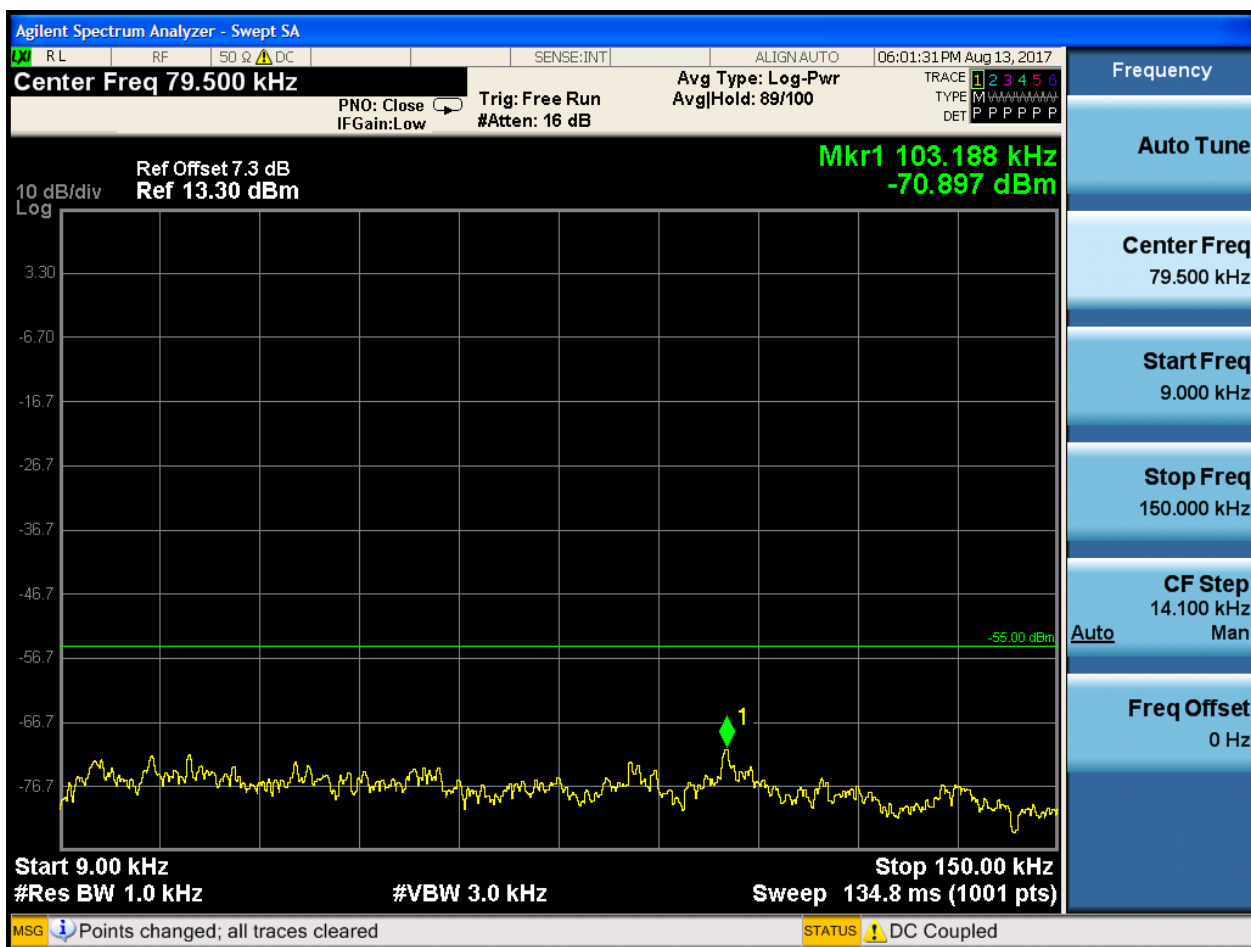


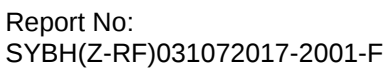


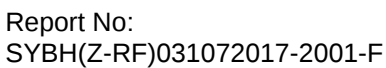
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



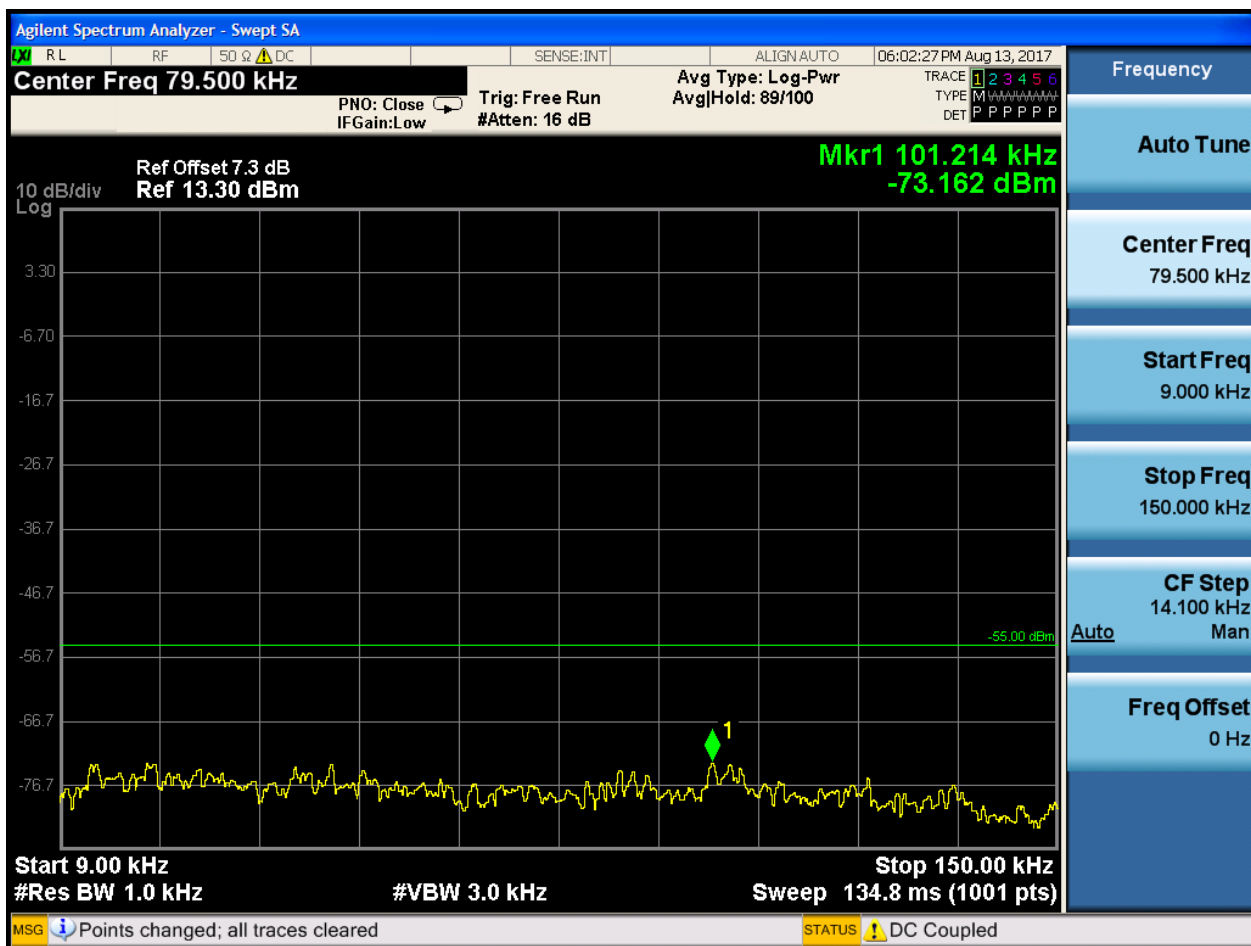


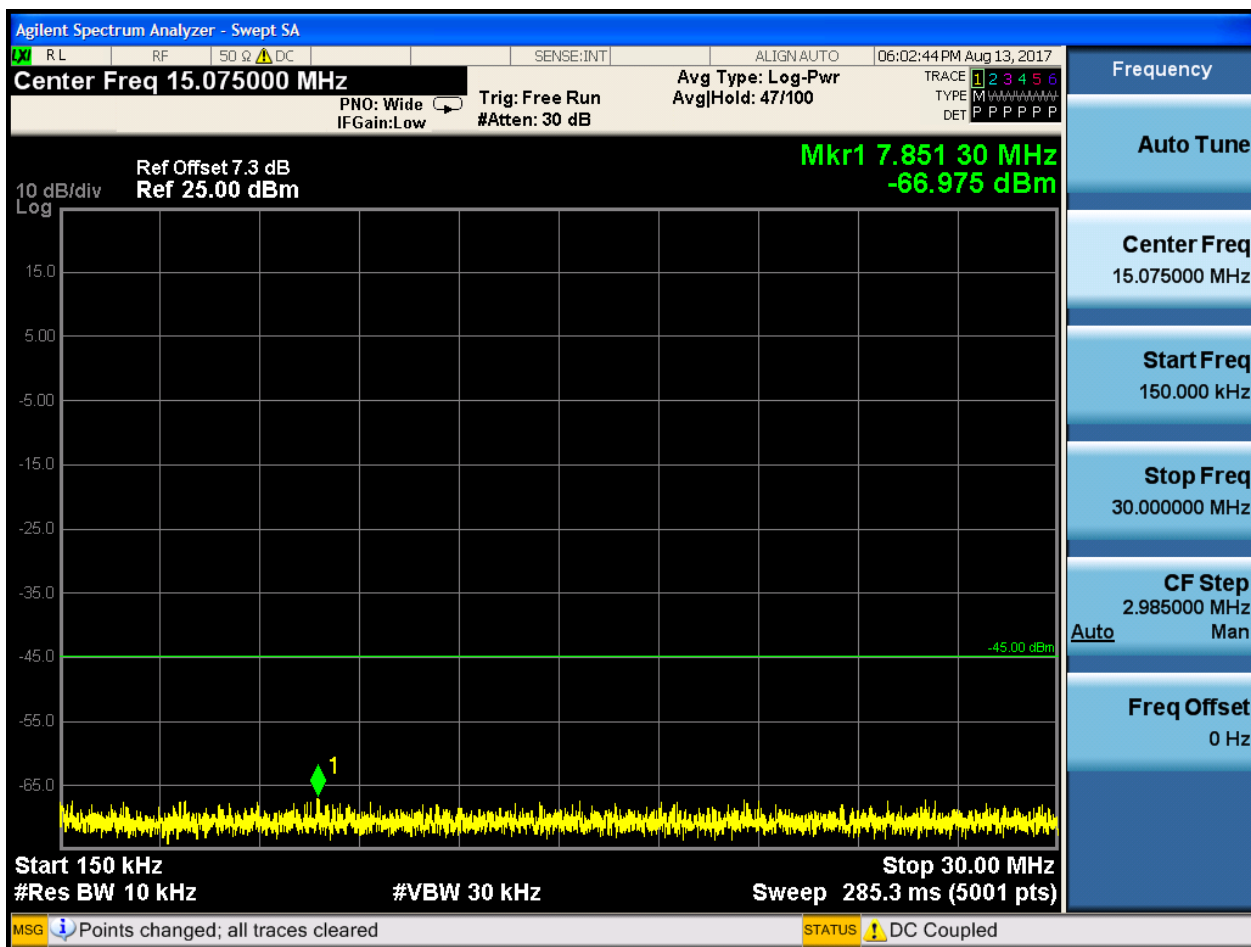


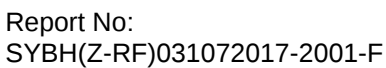


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

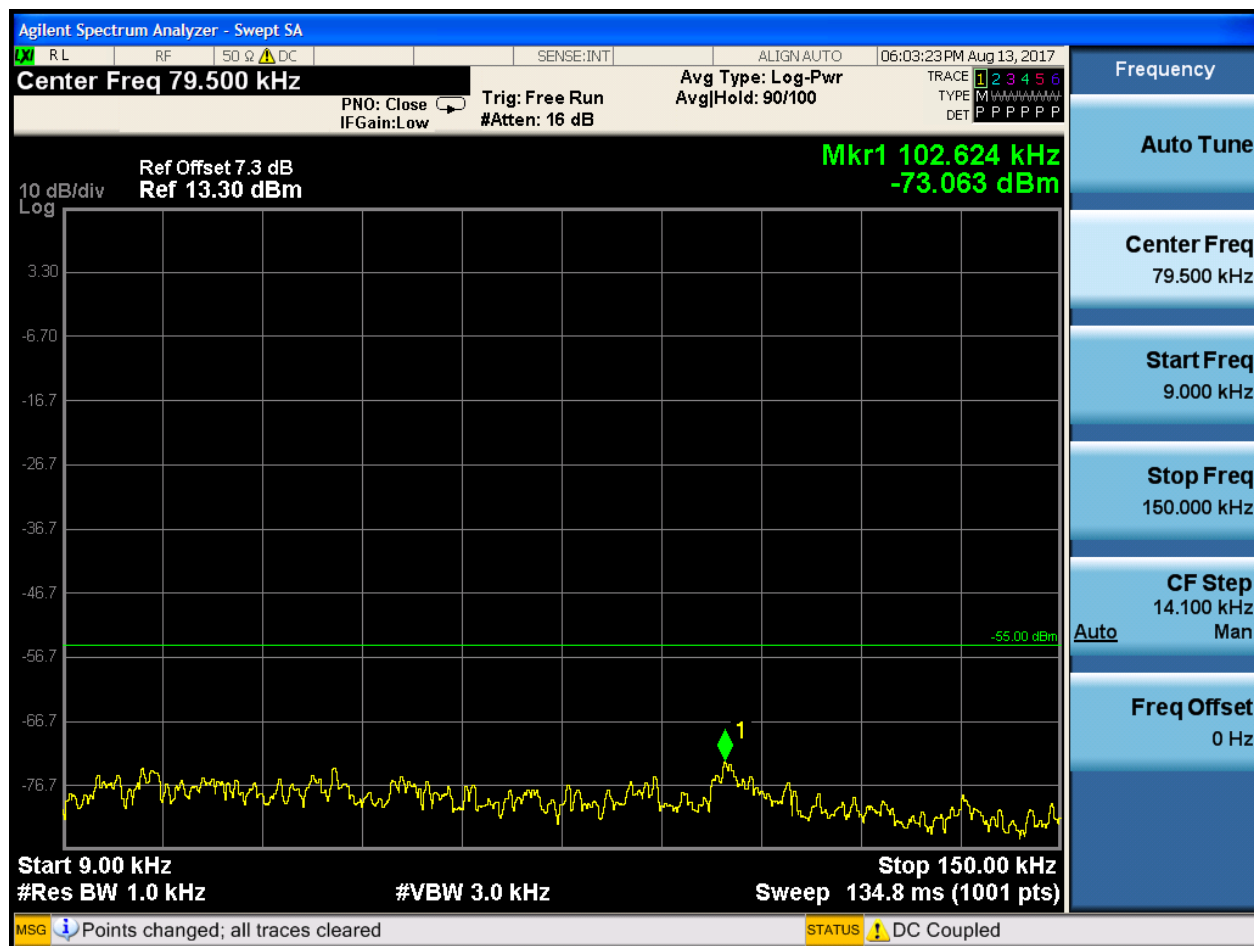


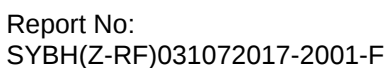


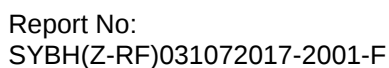


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



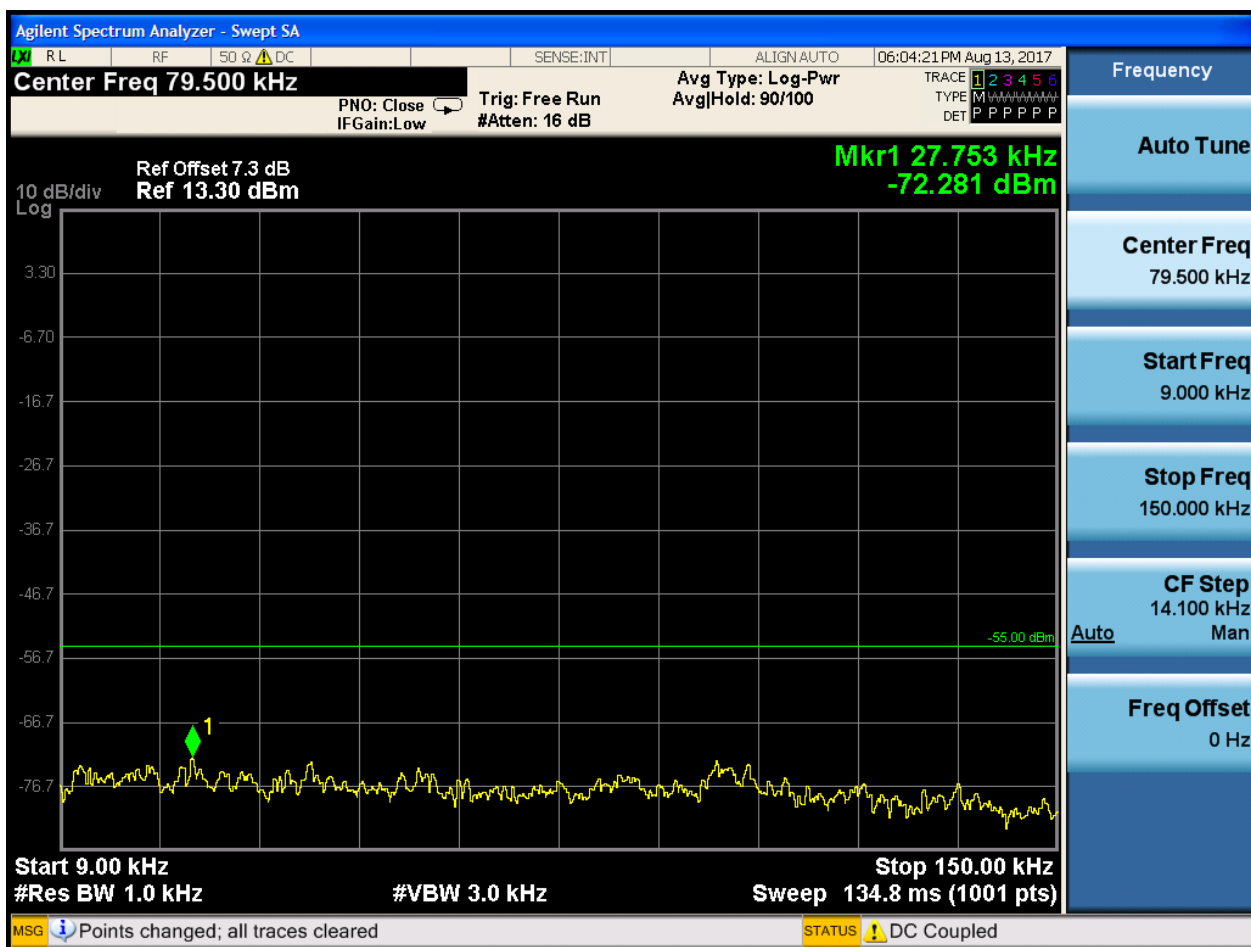




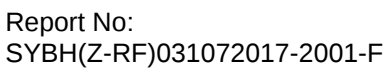
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

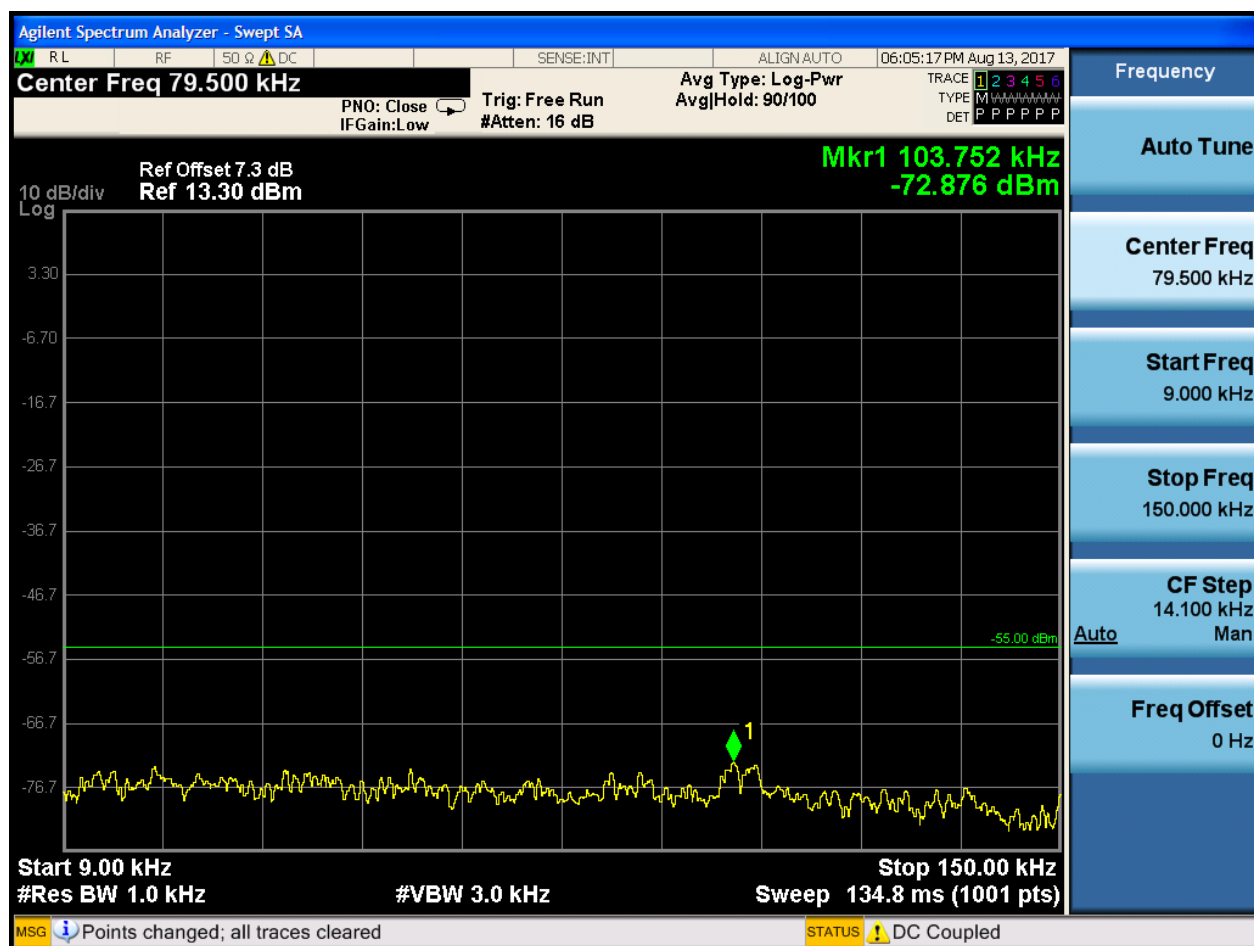




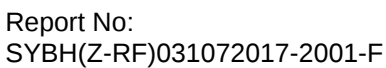


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



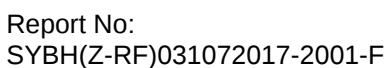


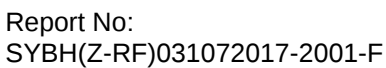


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

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

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

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

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

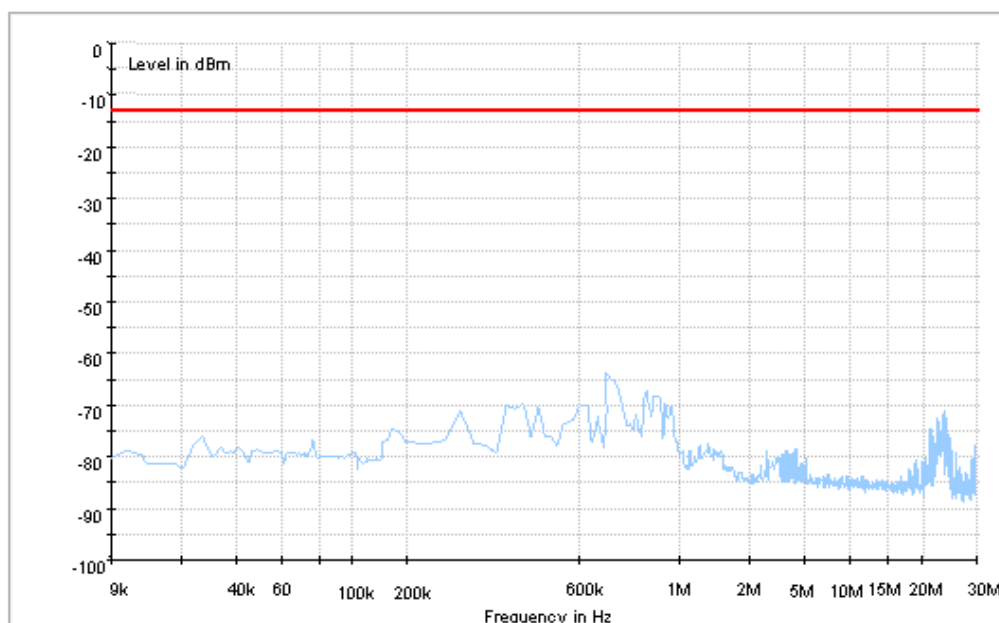
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

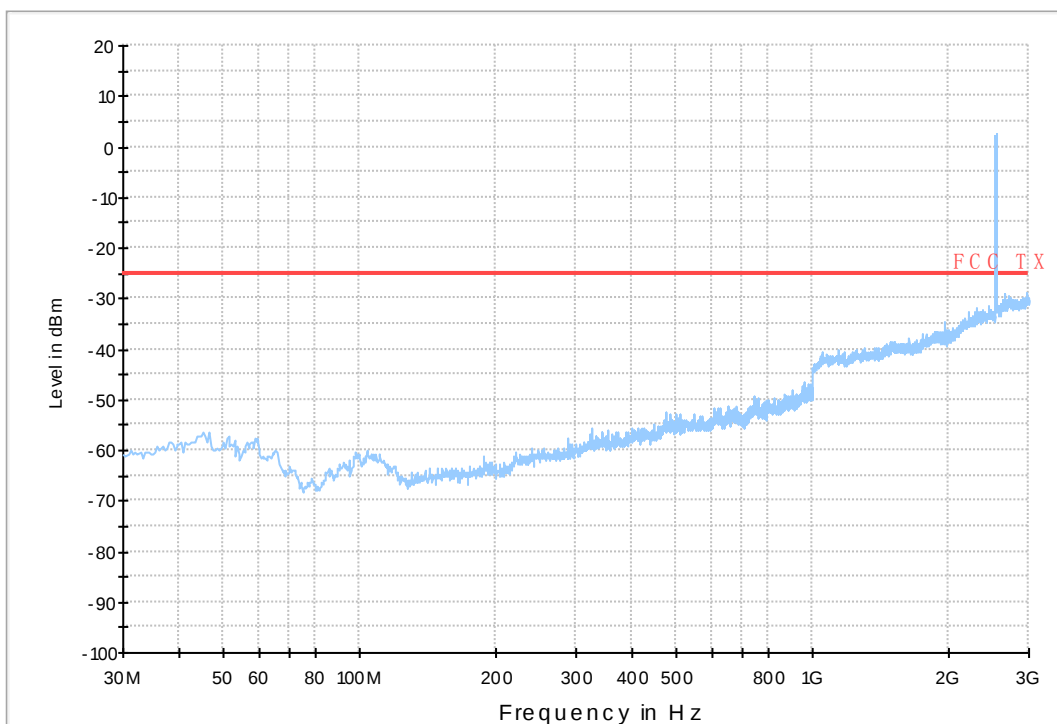
7.1 For LTE

7.1.1 Test Band = BAND7_ANT1

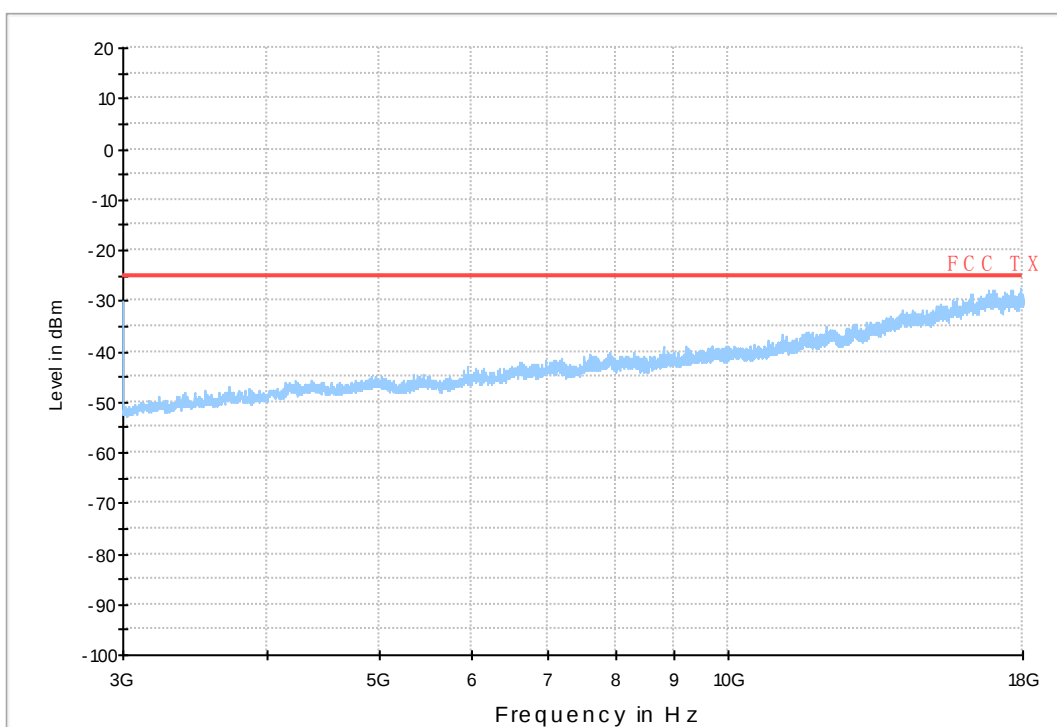
7.1.1.1 Test Bandwidth = 5

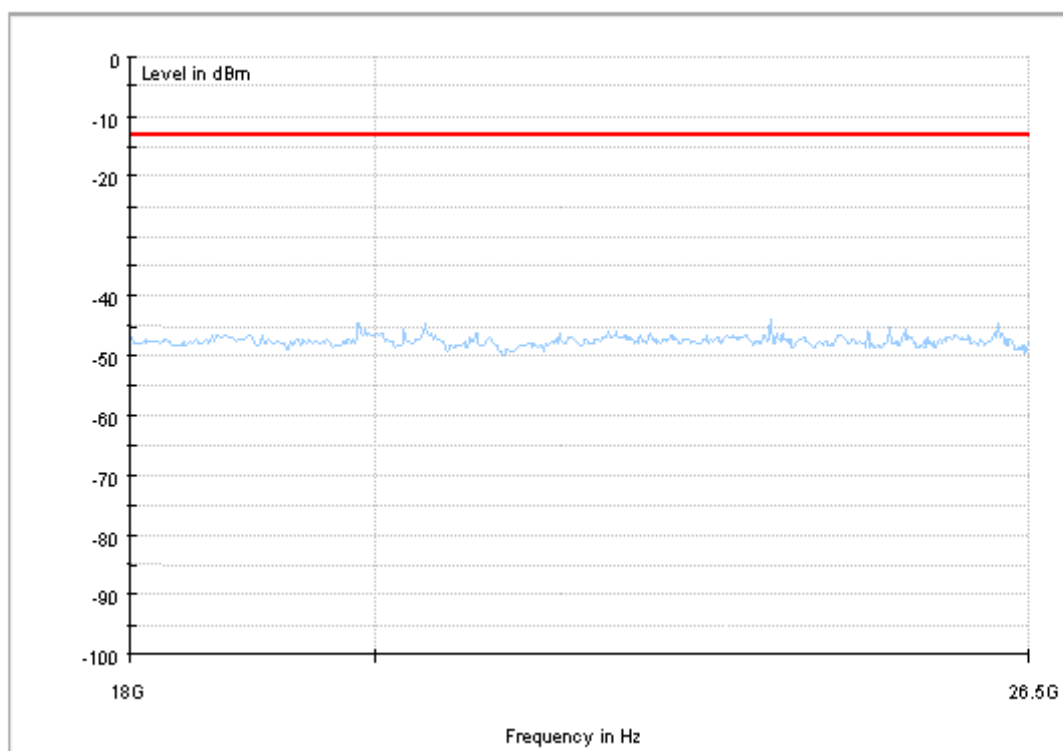


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

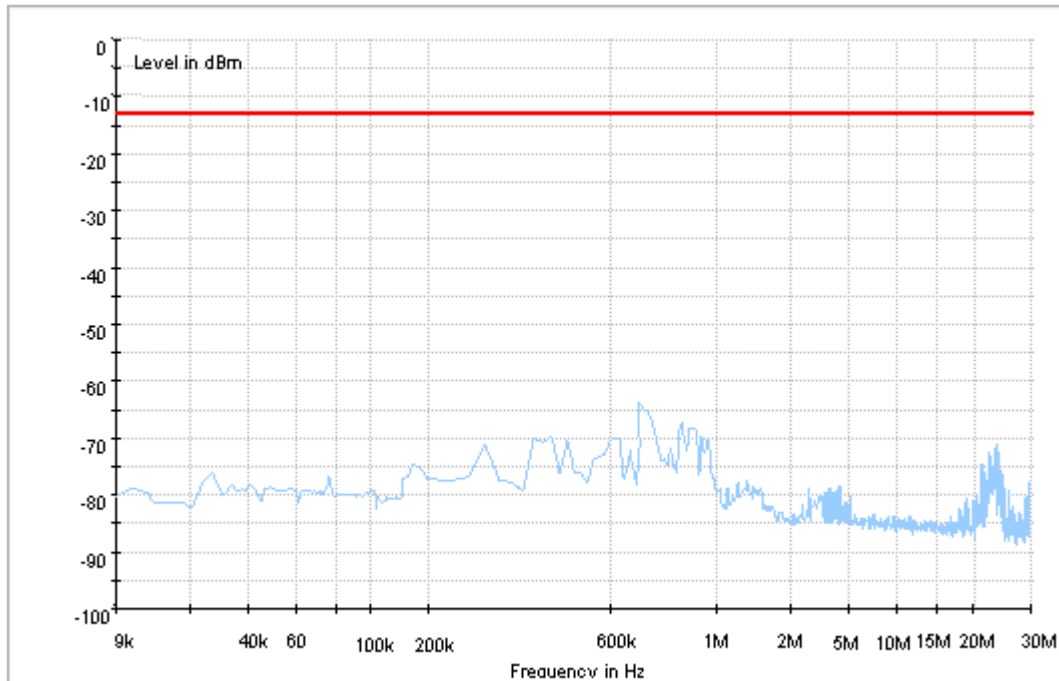


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

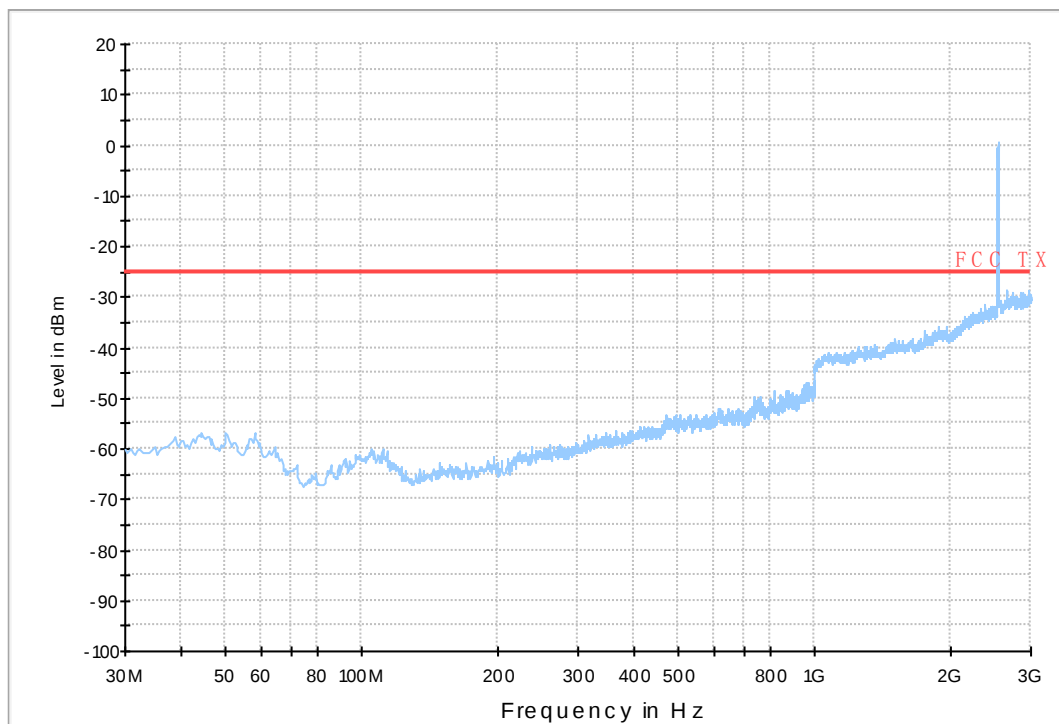




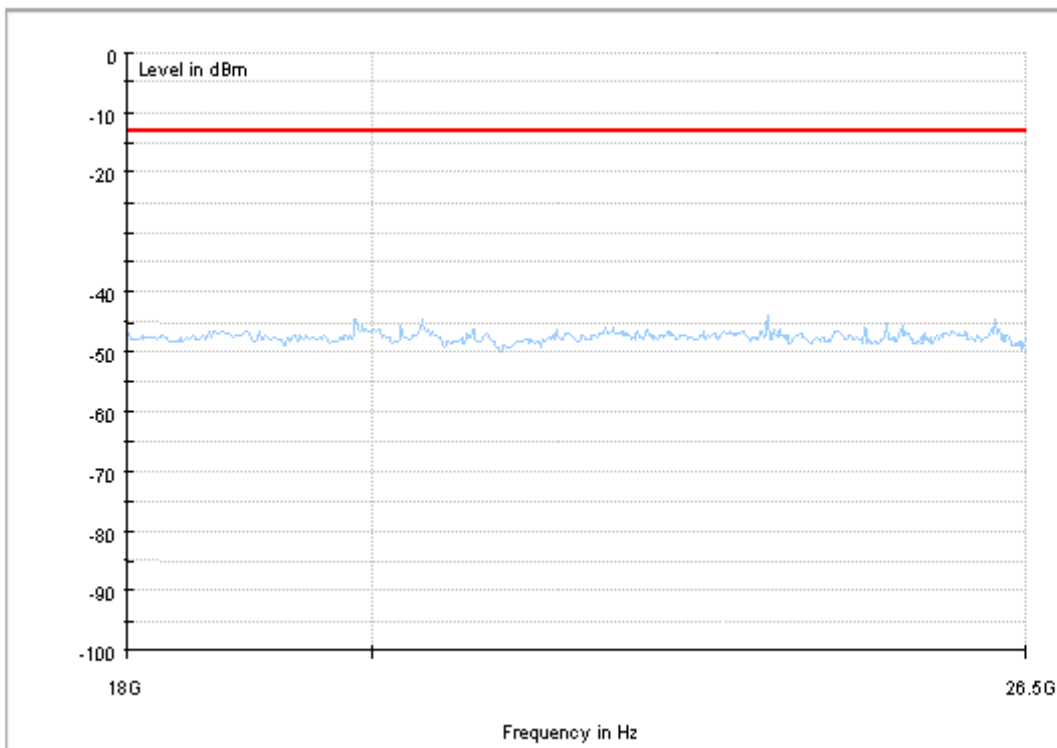
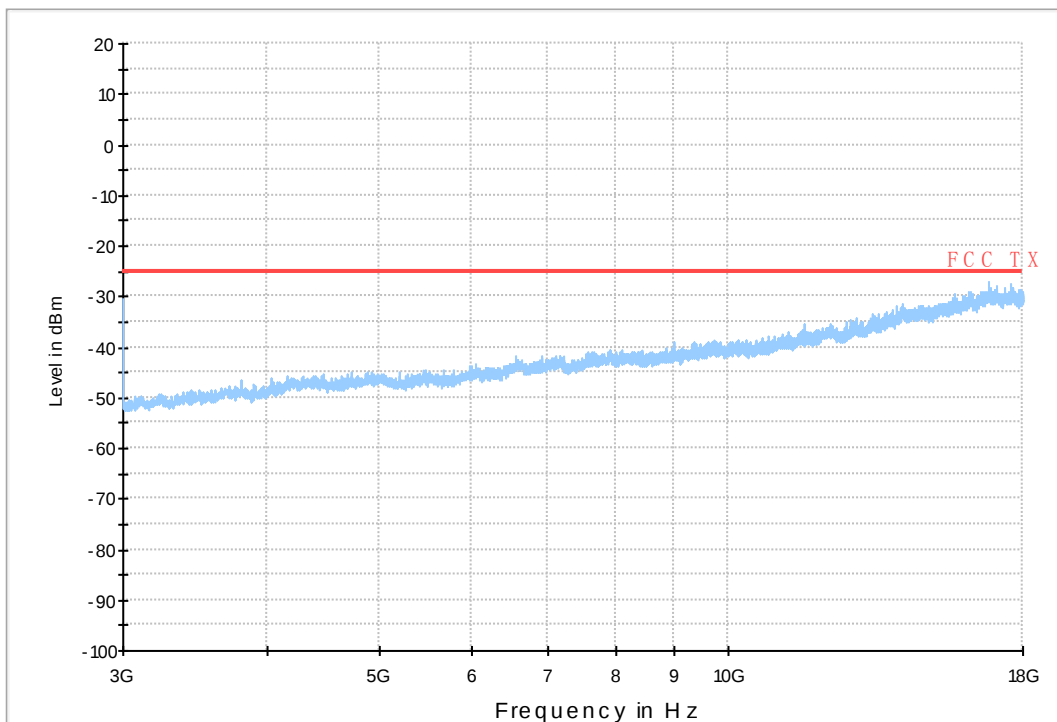
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

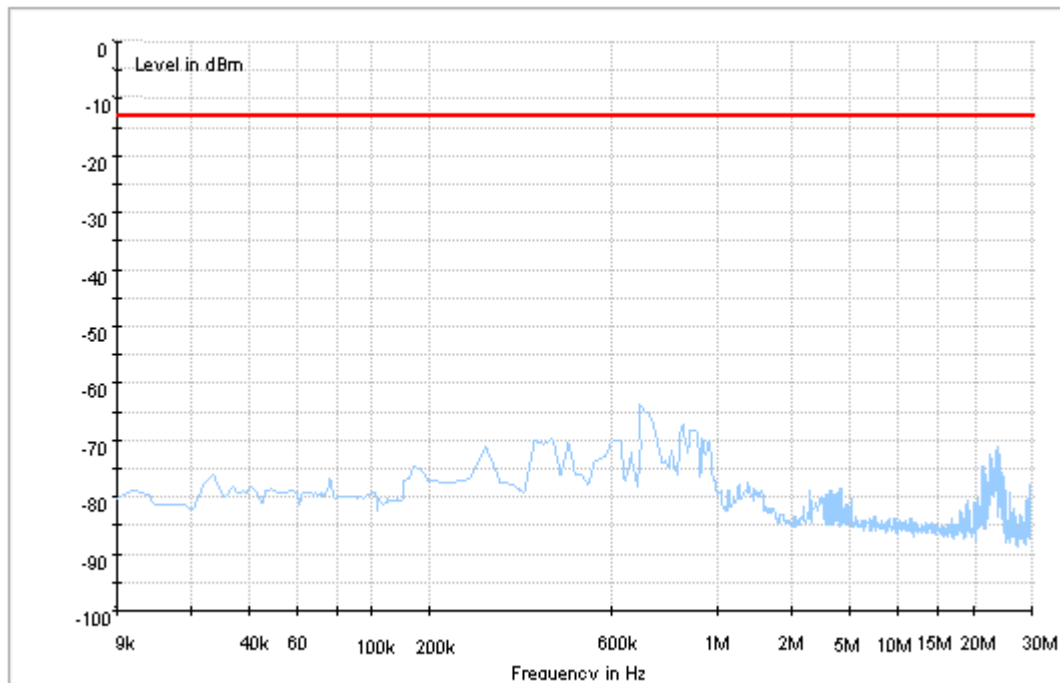


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

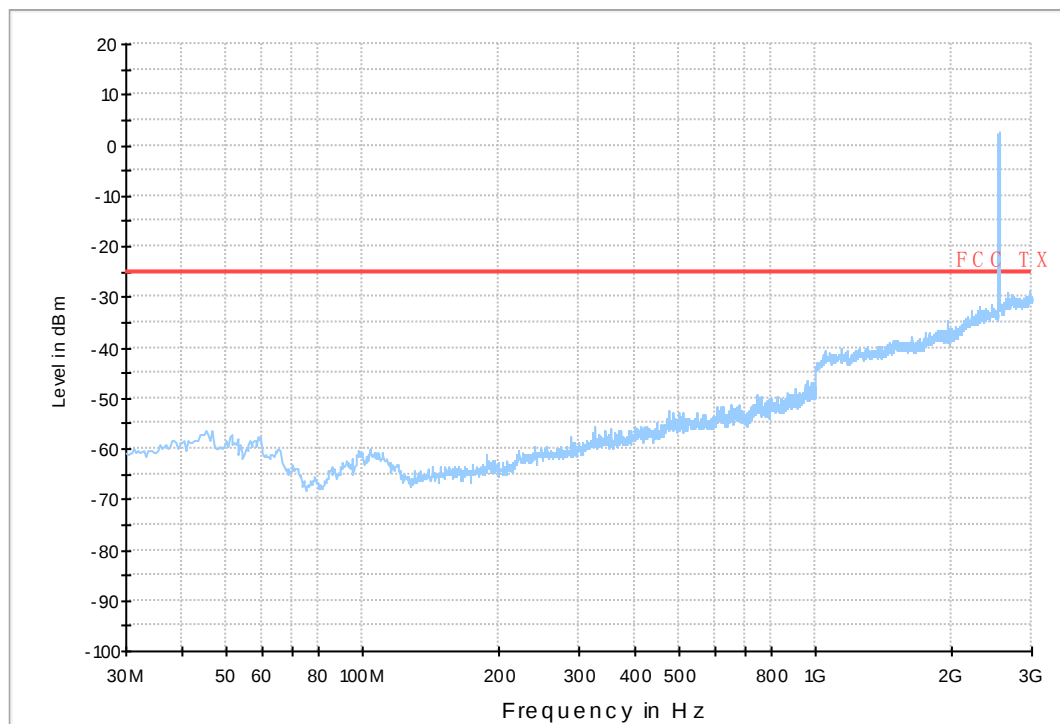


7.2.1 Test Band = BAND7_ANT2

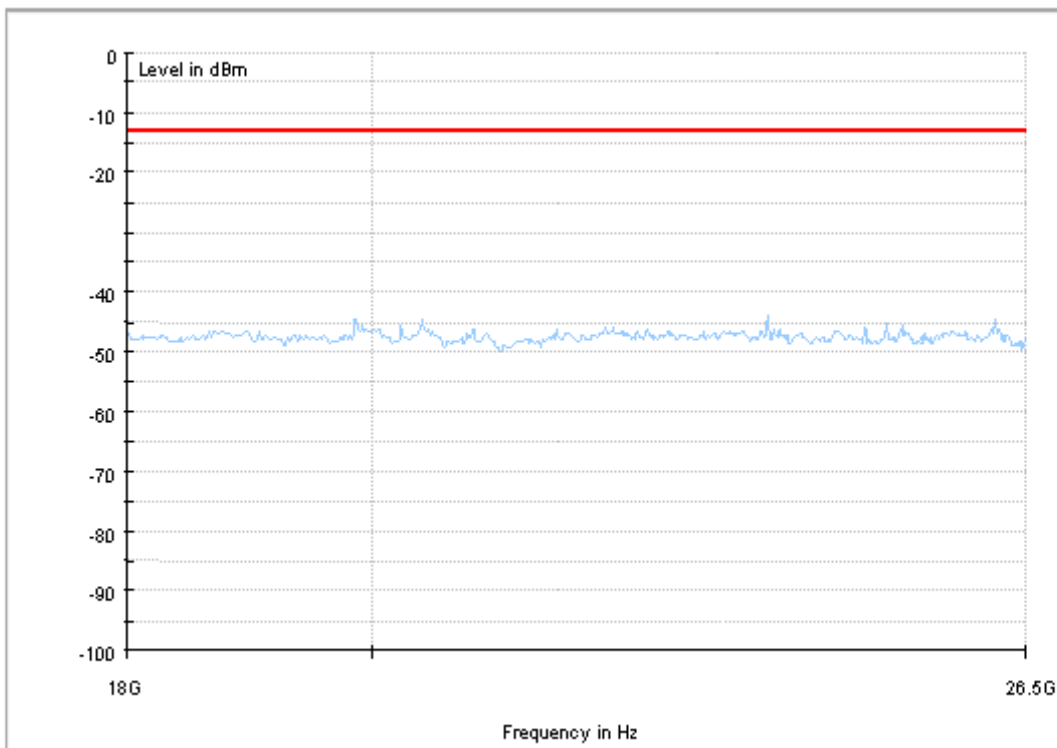
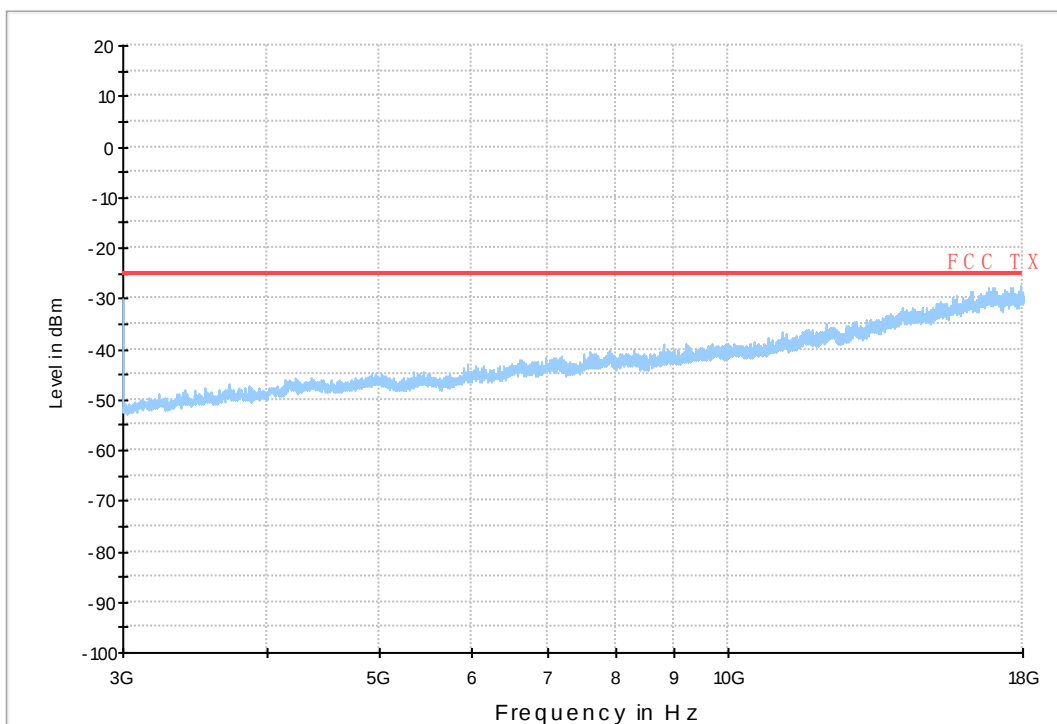
7.2.1.1 Test Bandwidth = 5



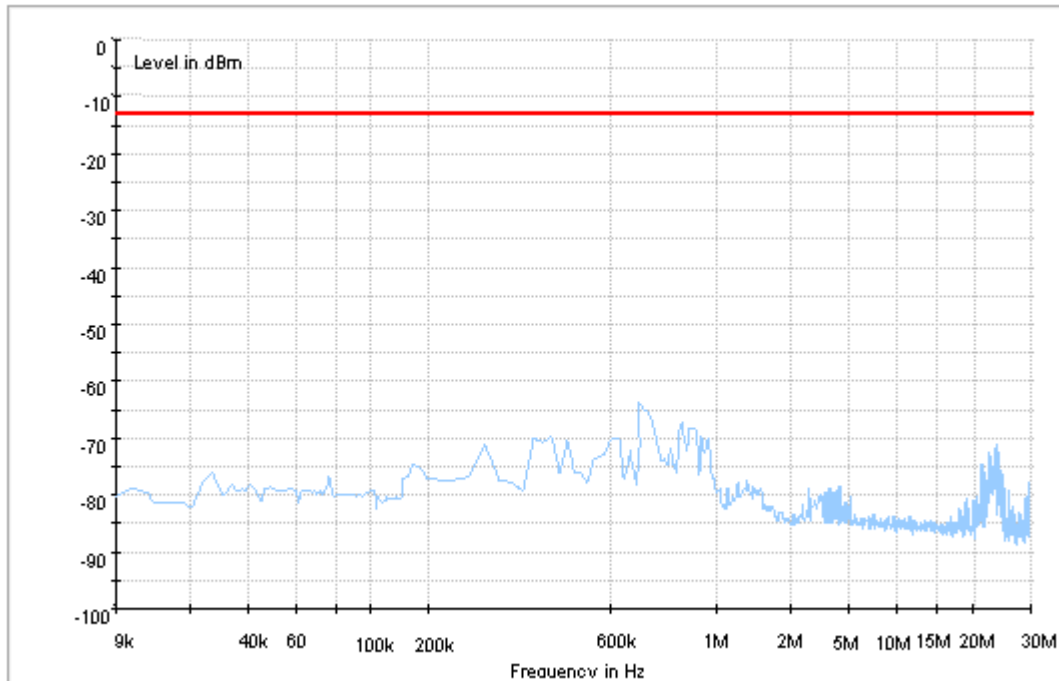
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



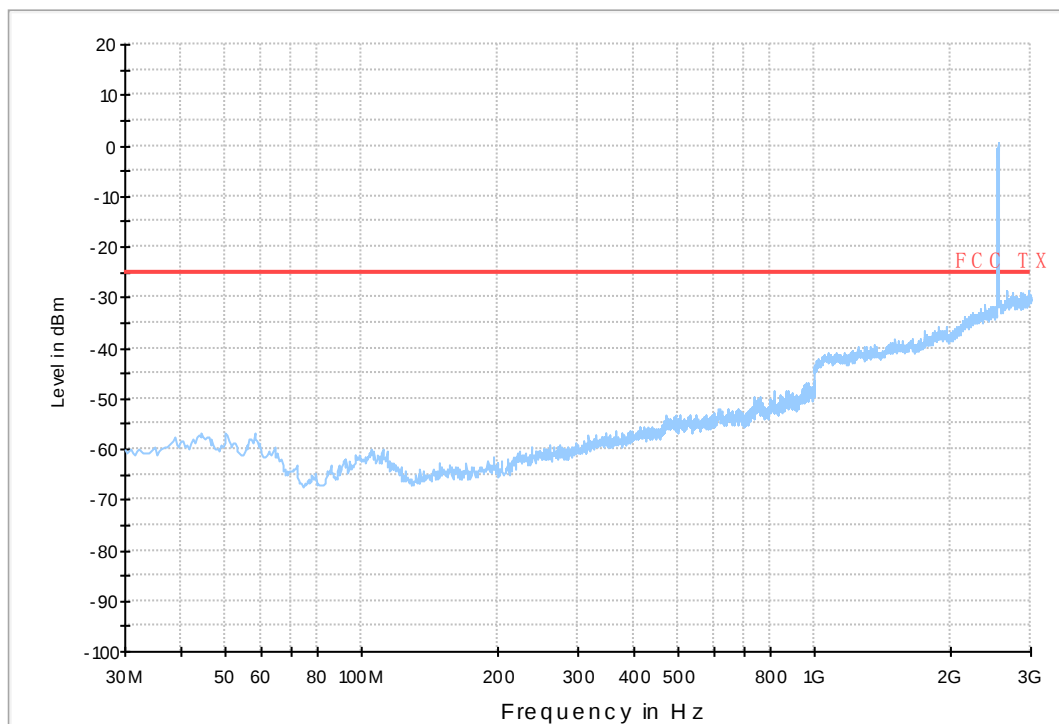
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



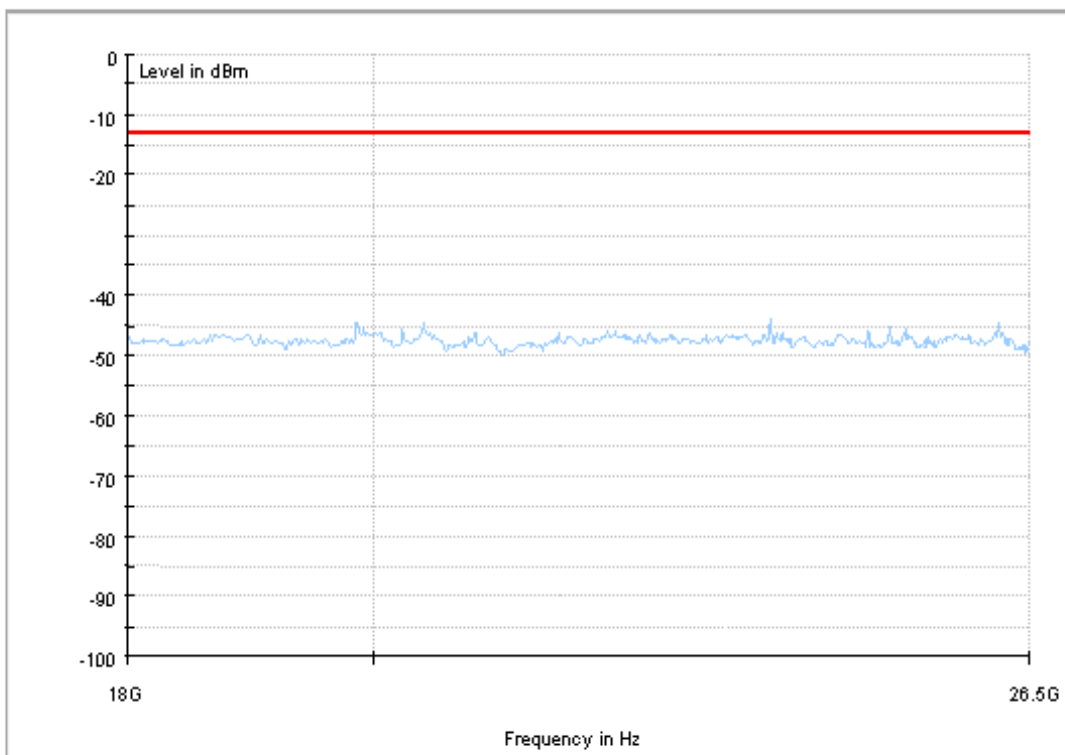
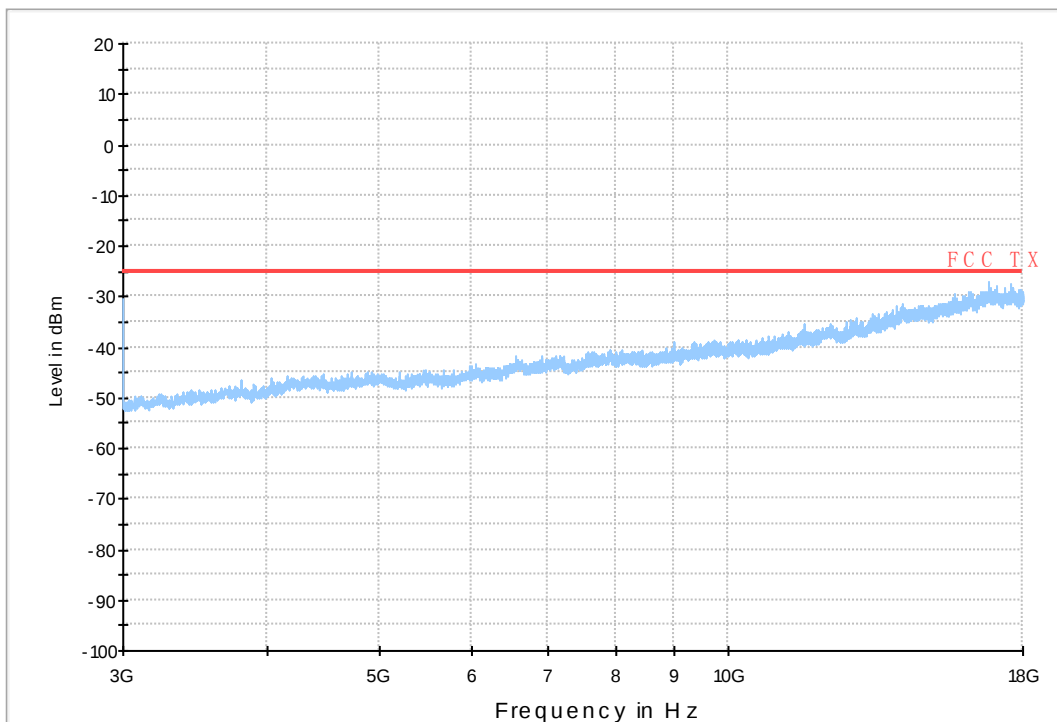
7.2.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_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
BAND7	LTE/TM1	5	LCH	TN	VL	2.36	0.00094	PASS
					VN	0.21	0.00008	PASS
					VH	-4.11	-0.00164	PASS
			MCH	TN	VL	2.78	0.0011	PASS
					VN	1.02	0.0004	PASS
					VH	0.17	0.00007	PASS
			HCH	TN	VL	-1.82	-0.00071	PASS
					VN	2.16	0.00084	PASS
					VH	-2.66	-0.00104	PASS
		10	LCH	TN	VL	-13.92	-0.00556	PASS
					VN	1.33	0.00053	PASS
					VH	0.31	0.00012	PASS
			MCH	TN	VL	0.82	0.00032	PASS
					VN	-0.79	-0.00031	PASS
					VH	1.67	0.00066	PASS
			HCH	TN	VL	-1.34	-0.00052	PASS
					VN	-1.39	-0.00054	PASS
					VH	-0.40	-0.00016	PASS
		15	LCH	TN	VL	-0.66	-0.00026	PASS
					VN	2.33	0.00093	PASS
					VH	-2.09	-0.00083	PASS
			MCH	TN	VL	-0.72	-0.00028	PASS
					VN	0.24	0.00009	PASS
					VH	0.79	0.00031	PASS
			HCH	TN	VL	1.26	0.00049	PASS
					VN	0.72	0.00028	PASS
					VH	-0.57	-0.00022	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	VL	-2.22	-0.00088	PASS
					VN	0.36	0.00014	PASS
					VH	0.16	0.00006	PASS
			MCH	TN	VL	0.49	0.00019	PASS
					VN	1.79	0.00071	PASS
					VH	1.59	0.00063	PASS
			HCH	TN	VL	3.15	0.00123	PASS
					VN	4.11	0.00161	PASS
					VH	2.76	0.00108	PASS
	LTE/TM2	5	LCH	TN	VL	1.33	0.00053	PASS
					VN	-22.62	-0.00904	PASS
					VH	1.26	0.0005	PASS
			MCH	TN	VL	-23.50	-0.00927	PASS
					VN	-17.02	-0.00671	PASS
					VH	3.85	0.00152	PASS
			HCH	TN	VL	-1.02	-0.0004	PASS
					VN	0.10	0.00004	PASS
					VH	-3.40	-0.00132	PASS
		10	LCH	TN	VL	-5.02	-0.002	PASS
					VN	1.53	0.00061	PASS
					VH	-1.77	-0.00071	PASS
			MCH	TN	VL	2.06	0.00081	PASS
					VN	-1.90	-0.00075	PASS
					VH	-0.86	-0.00034	PASS
			HCH	TN	VL	2.17	0.00085	PASS
					VN	0.76	0.0003	PASS
					VH	2.39	0.00093	PASS
		15	LCH	TN	VL	-7.64	-0.00305	PASS
					VN	1.26	0.0005	PASS
					VH	2.66	0.00106	PASS
			MCH	TN	VL	3.52	0.00139	PASS
					VN	0.04	0.00002	PASS
					VH	-1.02	-0.0004	PASS
			HCH	TN	VL	1.87	0.00073	PASS
					VN	1.70	0.00066	PASS
					VH	4.15	0.00162	PASS
		20	LCH	TN	VL	0.09	0.00004	PASS
					VN	1.16	0.00046	PASS
					VH	-0.09	-0.00004	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	-0.13	-0.00005	PASS
					VN	1.97	0.00078	PASS
					VH	0.94	0.00037	PASS
			HCH	TN	VL	2.13	0.00083	PASS
					VN	1.24	0.00048	PASS
					VH	2.43	0.00095	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	-30	LTE/TM1	5	LCH	VN	-4.31	-0.00172	PASS
				MCH	VN	-4.02	-0.00159	PASS
				HCH	VN	0.89	0.00035	PASS
			10	LCH	VN	3.25	0.0013	PASS
				MCH	VN	0.83	0.00033	PASS
				HCH	VN	-0.46	-0.00018	PASS
			15	LCH	VN	-0.83	-0.00033	PASS
				MCH	VN	-0.09	-0.00004	PASS
				HCH	VN	-1.10	-0.00043	PASS
			20	LCH	VN	0.00	0	PASS
				MCH	VN	-0.79	-0.00031	PASS
				HCH	VN	0.41	0.00016	PASS
		LTE/TM2	5	LCH	VN	-45.75	-0.01828	PASS
				MCH	VN	0.13	0.00005	PASS
				HCH	VN	-20.61	-0.00803	PASS
			10	LCH	VN	-1.59	-0.00063	PASS
				MCH	VN	-1.10	-0.00043	PASS
				HCH	VN	-1.32	-0.00051	PASS
			15	LCH	VN	-3.25	-0.0013	PASS
				MCH	VN	-10.11	-0.00399	PASS
				HCH	VN	-1.44	-0.00056	PASS
			20	LCH	VN	-0.74	-0.00029	PASS
				MCH	VN	0.24	0.00009	PASS
				HCH	VN	1.43	0.00056	PASS
	-20	LTE/TM1	5	LCH	VN	-18.98	-0.00758	PASS
				MCH	VN	1.42	0.00056	PASS
				HCH	VN	-4.45	-0.00173	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			10	LCH	VN	0.67	0.00027	PASS
				MCH	VN	0.19	0.00007	PASS
				HCH	VN	-0.23	-0.00009	PASS
			15	LCH	VN	-0.51	-0.0002	PASS
				MCH	VN	0.92	0.00036	PASS
				HCH	VN	-1.07	-0.00042	PASS
			20	LCH	VN	-1.07	-0.00043	PASS
				MCH	VN	-0.94	-0.00037	PASS
				HCH	VN	1.59	0.00062	PASS
		LTE/TM2	5	LCH	VN	-2.85	-0.00114	PASS
				MCH	VN	-0.96	-0.00038	PASS
				HCH	VN	-0.96	-0.00037	PASS
			10	LCH	VN	-1.85	-0.00074	PASS
				MCH	VN	1.23	0.00049	PASS
				HCH	VN	-15.36	-0.00599	PASS
			15	LCH	VN	-6.05	-0.00241	PASS
				MCH	VN	1.65	0.00065	PASS
				HCH	VN	-1.89	-0.00074	PASS
			20	LCH	VN	-0.96	-0.00038	PASS
				MCH	VN	0.97	0.00038	PASS
				HCH	VN	3.82	0.00149	PASS
		LTE/TM1	5	LCH	VN	-2.75	-0.0011	PASS
				MCH	VN	-0.17	-0.00007	PASS
				HCH	VN	-0.86	-0.00033	PASS
			10	LCH	VN	-14.03	-0.0056	PASS
				MCH	VN	-1.32	-0.00052	PASS
				HCH	VN	-0.19	-0.00007	PASS
			15	LCH	VN	-1.49	-0.00059	PASS
				MCH	VN	0.24	0.00009	PASS
				HCH	VN	1.66	0.00065	PASS
			20	LCH	VN	1.36	0.00054	PASS
				MCH	VN	-1.90	-0.00075	PASS
				HCH	VN	0.73	0.00029	PASS
		LTE/TM2	5	LCH	VN	0.53	0.00021	PASS
				MCH	VN	1.90	0.00075	PASS
				HCH	VN	0.59	0.00023	PASS
			10	LCH	VN	0.76	0.0003	PASS
				MCH	VN	-0.04	-0.00002	PASS
				HCH	VN	3.16	0.00123	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			15	LCH	VN	-1.96	-0.00078	PASS
				MCH	VN	-0.60	-0.00024	PASS
				HCH	VN	1.07	0.00042	PASS
			20	LCH	VN	-0.59	-0.00024	PASS
				MCH	VN	-1.70	-0.00067	PASS
				HCH	VN	1.24	0.00048	PASS
	0	LTE/TM1	5	LCH	VN	0.47	0.00019	PASS
				MCH	VN	-1.06	-0.00042	PASS
				HCH	VN	-0.59	-0.00023	PASS
			10	LCH	VN	-16.39	-0.00654	PASS
				MCH	VN	2.15	0.00085	PASS
				HCH	VN	0.40	0.00016	PASS
			15	LCH	VN	1.95	0.00078	PASS
				MCH	VN	-6.84	-0.0027	PASS
				HCH	VN	-1.16	-0.00045	PASS
			20	LCH	VN	0.31	0.00012	PASS
				MCH	VN	1.63	0.00064	PASS
				HCH	VN	2.36	0.00092	PASS
		LTE/TM2	5	LCH	VN	-2.59	-0.00103	PASS
				MCH	VN	-5.58	-0.0022	PASS
				HCH	VN	2.53	0.00099	PASS
			10	LCH	VN	-12.30	-0.00491	PASS
				MCH	VN	0.89	0.00035	PASS
				HCH	VN	1.90	0.00074	PASS
			15	LCH	VN	-2.00	-0.0008	PASS
				MCH	VN	-0.64	-0.00025	PASS
				HCH	VN	-0.43	-0.00017	PASS
			20	LCH	VN	-1.79	-0.00071	PASS
				MCH	VN	0.23	0.00009	PASS
				HCH	VN	4.48	0.00175	PASS
	10	LTE/TM1	5	LCH	VN	3.06	0.00122	PASS
				MCH	VN	1.32	0.00052	PASS
				HCH	VN	-12.16	-0.00474	PASS
			10	LCH	VN	0.67	0.00027	PASS
				MCH	VN	-0.73	-0.00029	PASS
				HCH	VN	0.41	0.00016	PASS
			15	LCH	VN	0.26	0.0001	PASS
				MCH	VN	-4.31	-0.0017	PASS
				HCH	VN	-0.62	-0.00024	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			20	LCH	VN	-3.28	-0.00131	PASS
				MCH	VN	0.93	0.00037	PASS
				HCH	VN	3.33	0.0013	PASS
		LTE/TM2	5	LCH	VN	1.39	0.00056	PASS
				MCH	VN	2.17	0.00086	PASS
				HCH	VN	2.55	0.00099	PASS
			10	LCH	VN	-23.15	-0.00924	PASS
				MCH	VN	-1.20	-0.00047	PASS
				HCH	VN	2.15	0.00084	PASS
			15	LCH	VN	-1.06	-0.00042	PASS
				MCH	VN	1.16	0.00046	PASS
				HCH	VN	2.29	0.00089	PASS
			20	LCH	VN	0.79	0.00031	PASS
				MCH	VN	-0.13	-0.00005	PASS
				HCH	VN	2.02	0.00079	PASS
	20	LTE/TM1	5	LCH	VN	-1.27	-0.00051	PASS
				MCH	VN	2.12	0.00084	PASS
				HCH	VN	-17.87	-0.00696	PASS
			10	LCH	VN	-2.29	-0.00091	PASS
				MCH	VN	-1.53	-0.0006	PASS
				HCH	VN	-11.01	-0.00429	PASS
			15	LCH	VN	0.76	0.0003	PASS
				MCH	VN	0.31	0.00012	PASS
				HCH	VN	0.66	0.00026	PASS
			20	LCH	VN	0.87	0.00035	PASS
				MCH	VN	-1.73	-0.00068	PASS
				HCH	VN	3.30	0.00129	PASS
		LTE/TM2	5	LCH	VN	0.14	0.00006	PASS
				MCH	VN	0.67	0.00026	PASS
				HCH	VN	-26.84	-0.01045	PASS
			10	LCH	VN	-10.73	-0.00428	PASS
				MCH	VN	5.32	0.0021	PASS
				HCH	VN	1.07	0.00042	PASS
			15	LCH	VN	-0.67	-0.00027	PASS
				MCH	VN	-0.06	-0.00002	PASS
				HCH	VN	0.63	0.00025	PASS
			20	LCH	VN	-1.53	-0.00061	PASS
				MCH	VN	-0.53	-0.00021	PASS
				HCH	VN	5.35	0.00209	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	30	LTE/TM1	5	LCH	VN	0.74	0.0003	PASS
				MCH	VN	-0.57	-0.00022	PASS
				HCH	VN	-1.70	-0.00066	PASS
			10	LCH	VN	-1.80	-0.00072	PASS
				MCH	VN	-2.72	-0.00107	PASS
				HCH	VN	-15.35	-0.00598	PASS
			15	LCH	VN	-1.37	-0.00055	PASS
				MCH	VN	0.26	0.0001	PASS
				HCH	VN	0.39	0.00015	PASS
			20	LCH	VN	-1.50	-0.0006	PASS
				MCH	VN	-0.01	0	PASS
				HCH	VN	1.54	0.0006	PASS
		LTE/TM2	5	LCH	VN	-18.22	-0.00728	PASS
				MCH	VN	-1.39	-0.00055	PASS
				HCH	VN	1.92	0.00075	PASS
			10	LCH	VN	0.92	0.00037	PASS
				MCH	VN	0.64	0.00025	PASS
				HCH	VN	-6.90	-0.00269	PASS
			15	LCH	VN	-0.89	-0.00035	PASS
				MCH	VN	-6.39	-0.00252	PASS
				HCH	VN	-1.09	-0.00043	PASS
			20	LCH	VN	0.17	0.00007	PASS
				MCH	VN	-1.40	-0.00055	PASS
				HCH	VN	4.82	0.00188	PASS
	40	LTE/TM1	5	LCH	VN	1.85	0.00074	PASS
				MCH	VN	-31.50	-0.01243	PASS
				HCH	VN	-1.33	-0.00052	PASS
			10	LCH	VN	-1.06	-0.00042	PASS
				MCH	VN	-22.32	-0.0088	PASS
				HCH	VN	-2.90	-0.00113	PASS
			15	LCH	VN	-1.46	-0.00058	PASS
				MCH	VN	0.31	0.00012	PASS
				HCH	VN	-4.72	-0.00184	PASS
			20	LCH	VN	-2.35	-0.00094	PASS
				MCH	VN	0.82	0.00032	PASS
				HCH	VN	2.78	0.00109	PASS
		LTE/TM2	5	LCH	VN	-3.58	-0.00143	PASS
				MCH	VN	1.65	0.00065	PASS
				HCH	VN	-0.07	-0.00003	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			10	LCH	VN	-8.83	-0.00352	PASS
				MCH	VN	2.70	0.00107	PASS
				HCH	VN	0.20	0.00008	PASS
			15	LCH	VN	-1.40	-0.00056	PASS
				MCH	VN	2.86	0.00113	PASS
				HCH	VN	-0.24	-0.00009	PASS
			20	LCH	VN	1.20	0.00048	PASS
				MCH	VN	0.80	0.00032	PASS
				HCH	VN	0.96	0.00038	PASS
	50	LTE/TM1	5	LCH	VN	-0.46	-0.00018	PASS
				MCH	VN	-0.37	-0.00015	PASS
				HCH	VN	0.19	0.00007	PASS
			10	LCH	VN	-9.91	-0.00396	PASS
				MCH	VN	0.03	0.00001	PASS
				HCH	VN	0.99	0.00039	PASS
			15	LCH	VN	1.23	0.00049	PASS
				MCH	VN	-0.74	-0.00029	PASS
				HCH	VN	0.72	0.00028	PASS
			20	LCH	VN	-1.62	-0.00065	PASS
				MCH	VN	1.54	0.00061	PASS
				HCH	VN	0.33	0.00013	PASS
		LTE/TM2	5	LCH	VN	-3.19	-0.00127	PASS
				MCH	VN	0.04	0.00002	PASS
				HCH	VN	1.39	0.00054	PASS
			10	LCH	VN	-25.11	-0.01002	PASS
				MCH	VN	-0.26	-0.0001	PASS
				HCH	VN	-0.74	-0.00029	PASS
			15	LCH	VN	-0.16	-0.00006	PASS
				MCH	VN	-0.40	-0.00016	PASS
				HCH	VN	0.57	0.00022	PASS
			20	LCH	VN	-1.27	-0.00051	PASS
				MCH	VN	1.69	0.00067	PASS
				HCH	VN	0.03	0.00001	PASS

END