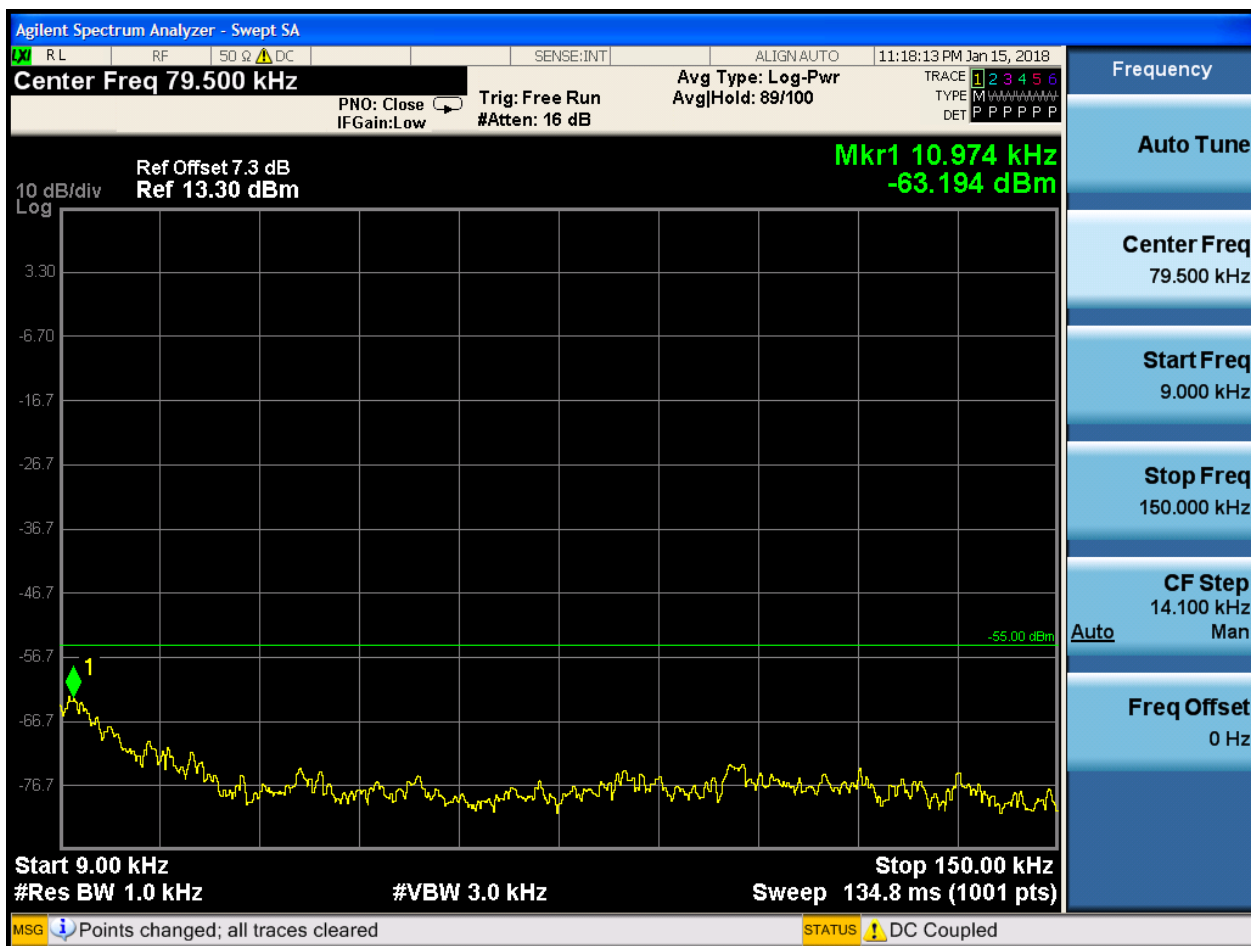
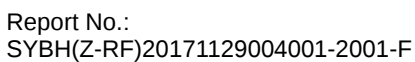
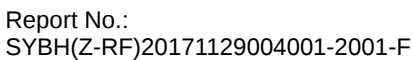


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

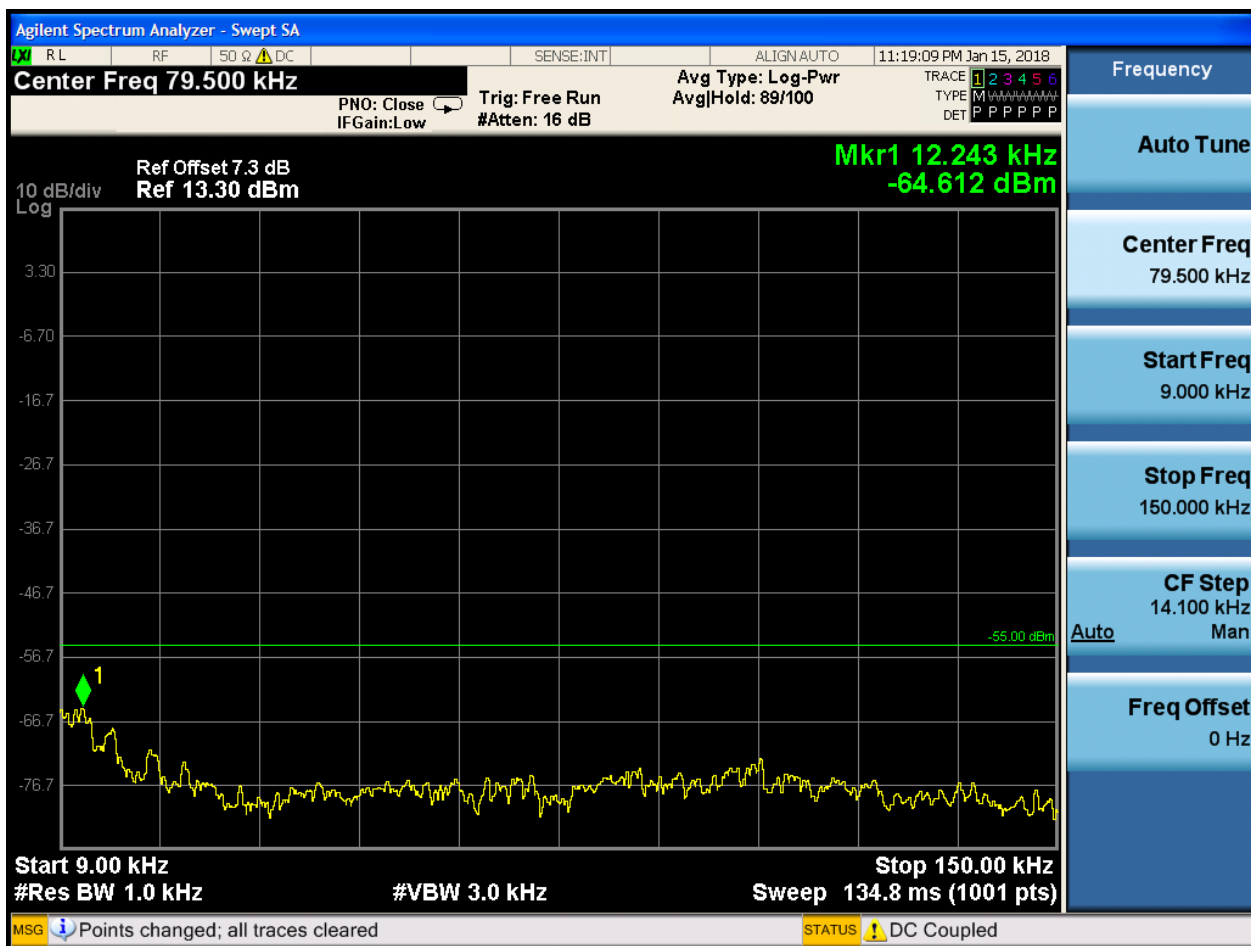


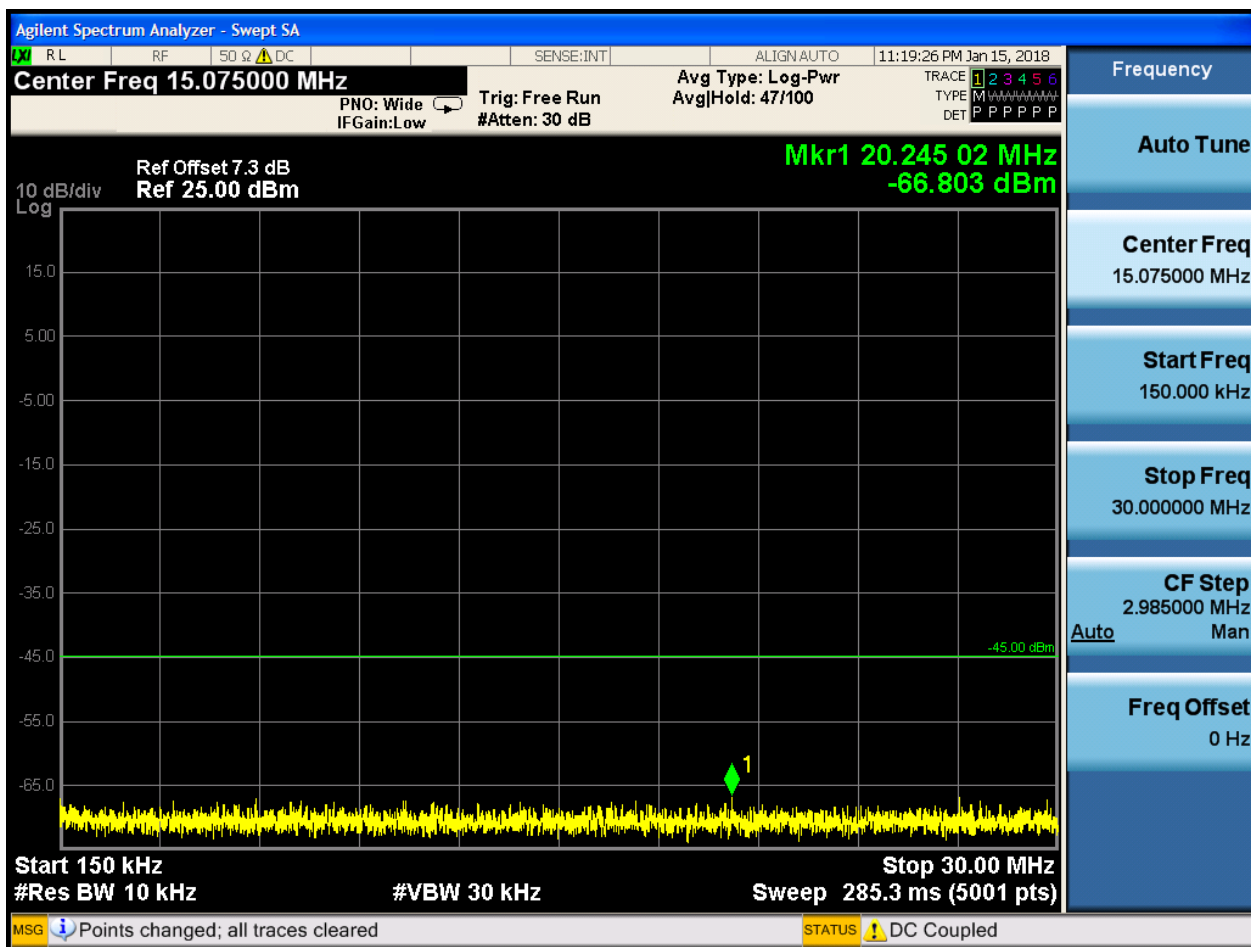


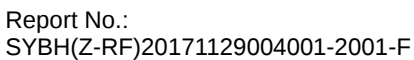


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



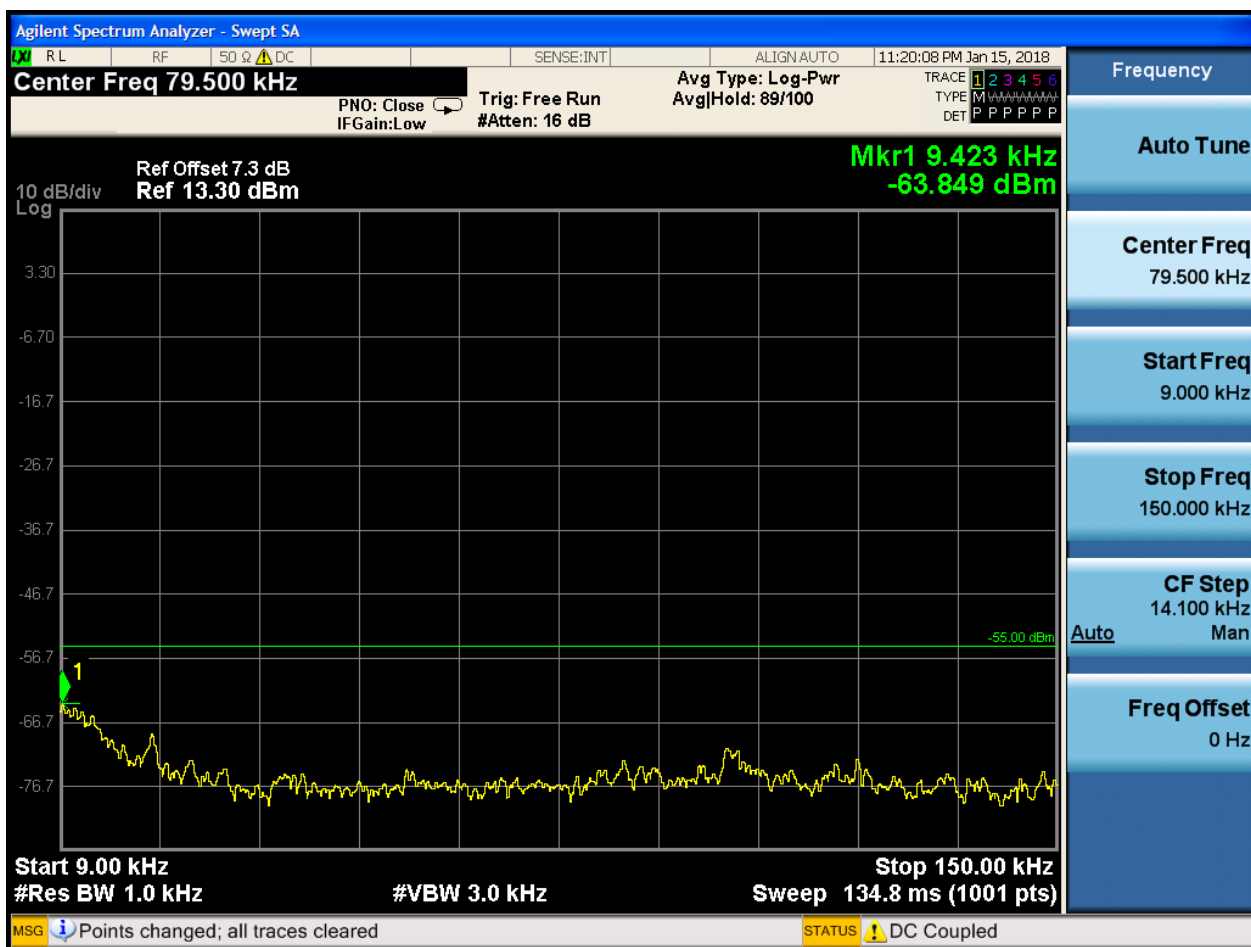


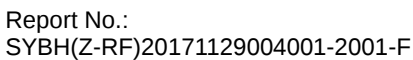


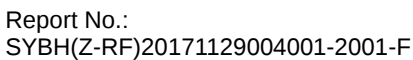
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

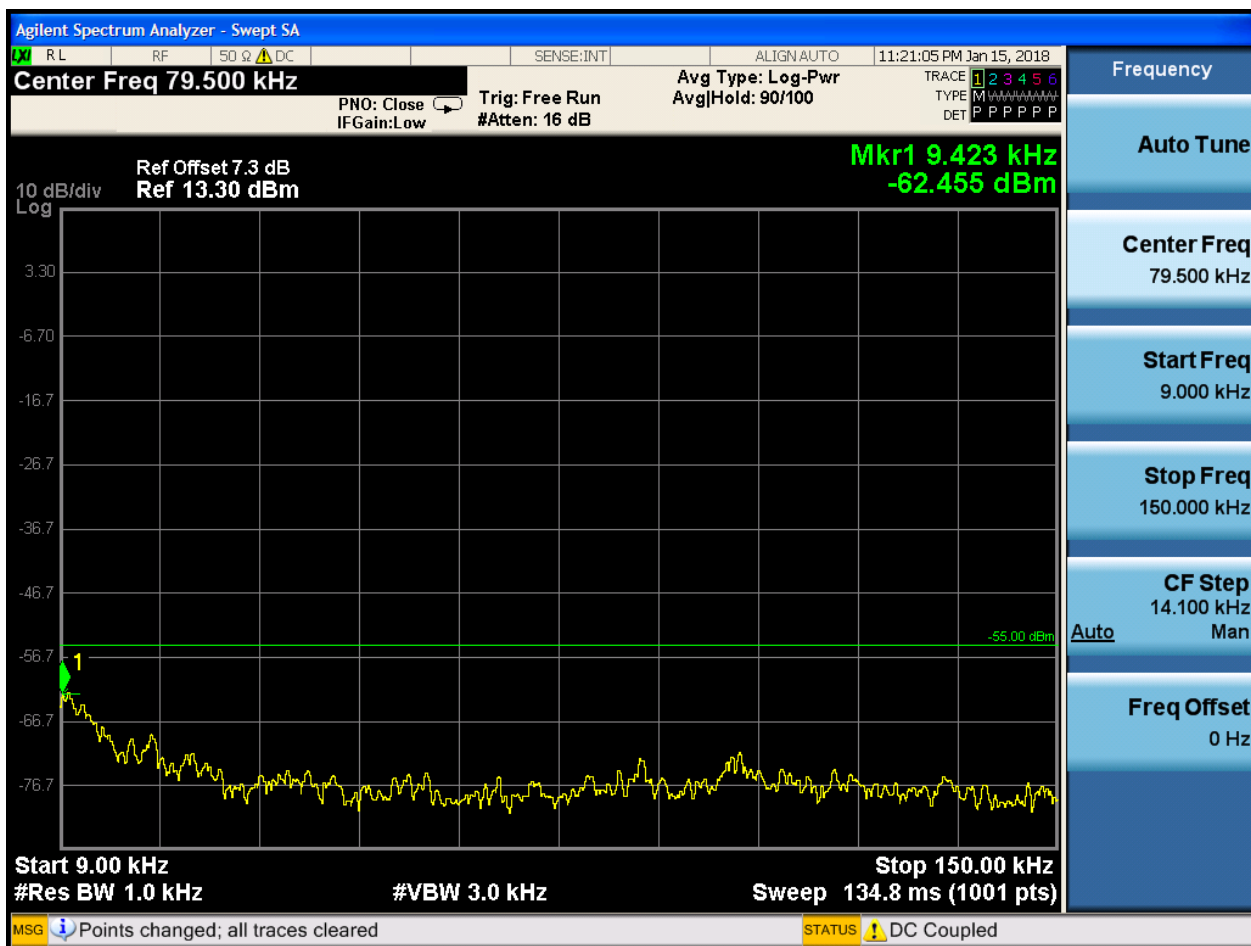


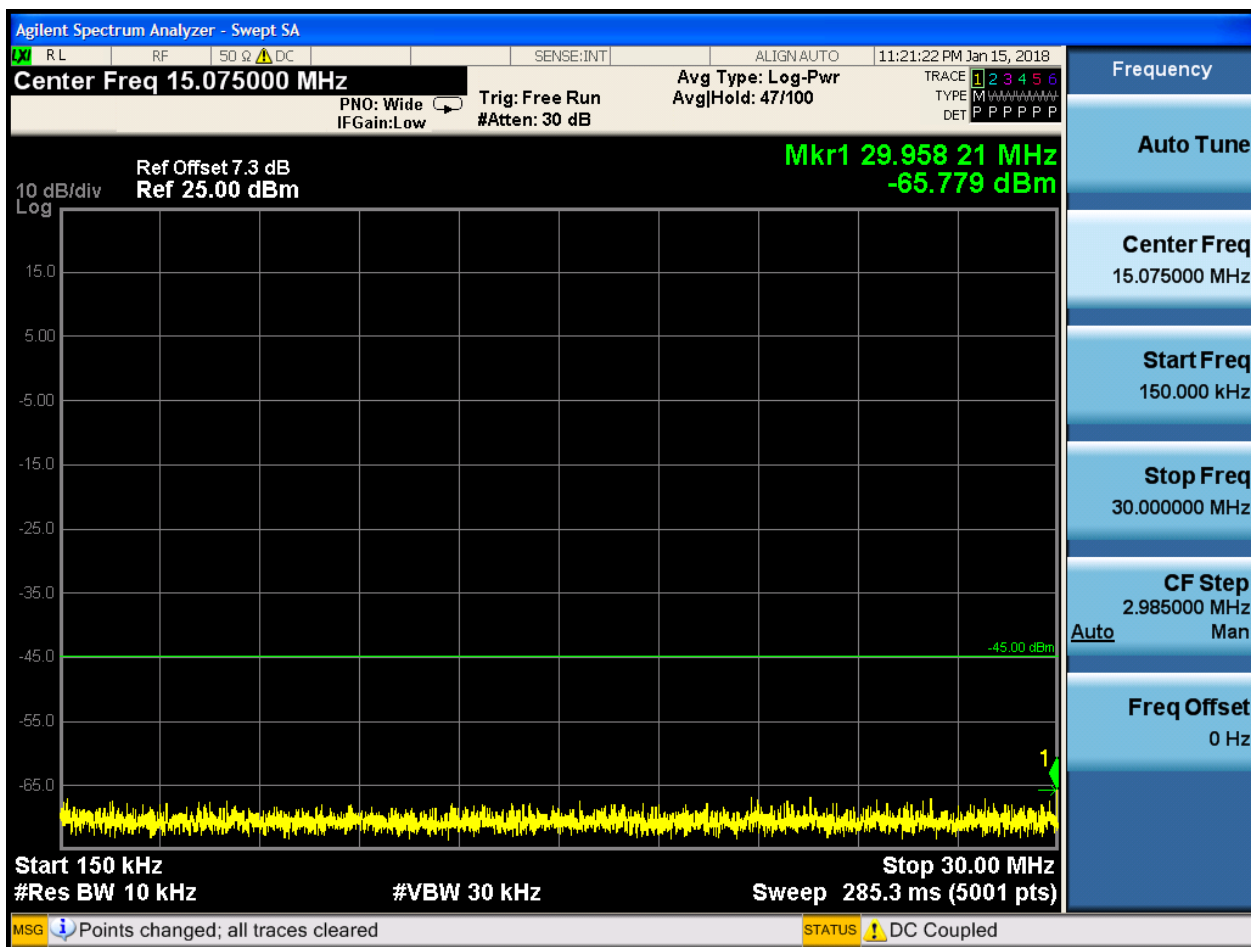


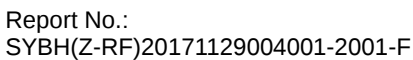


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

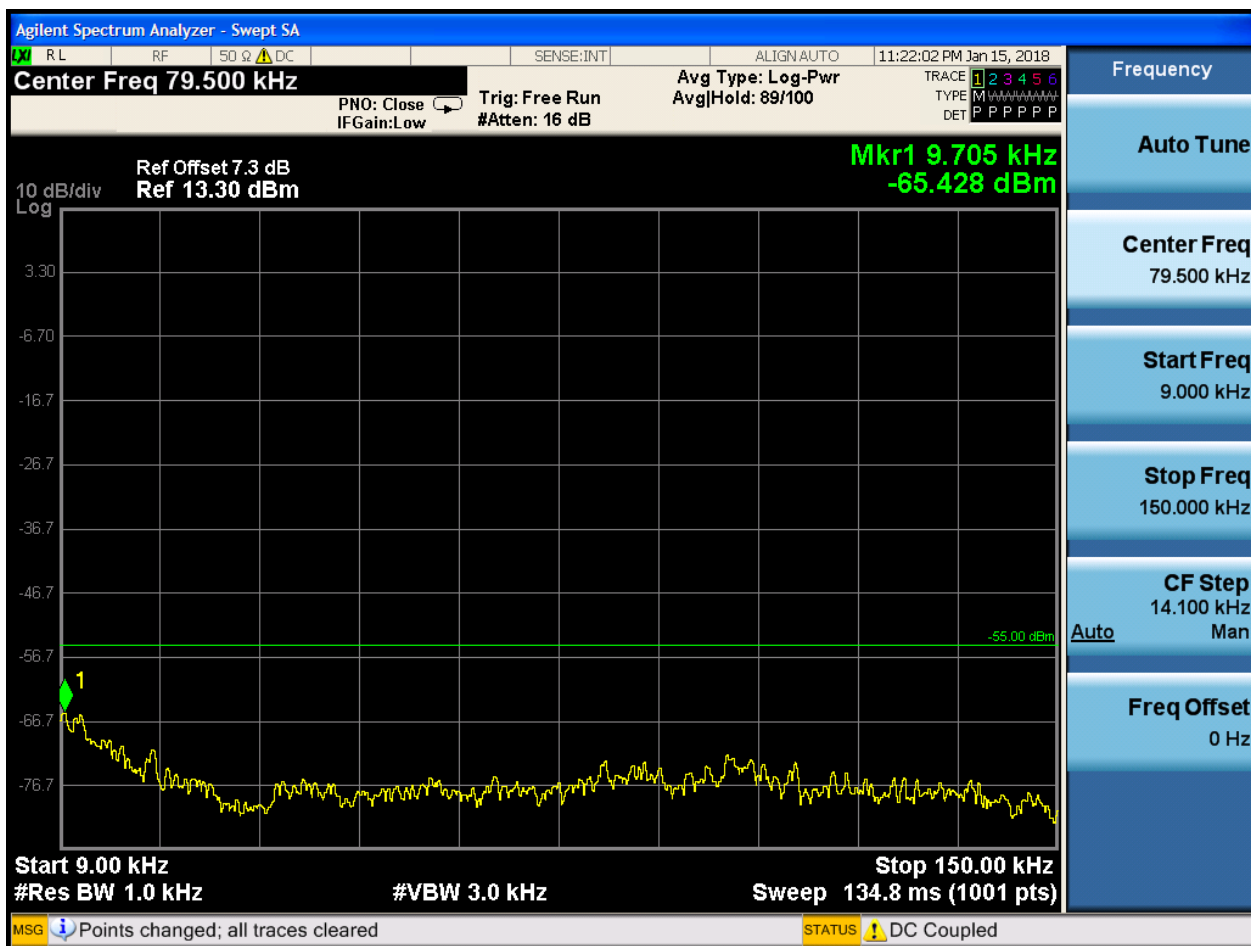


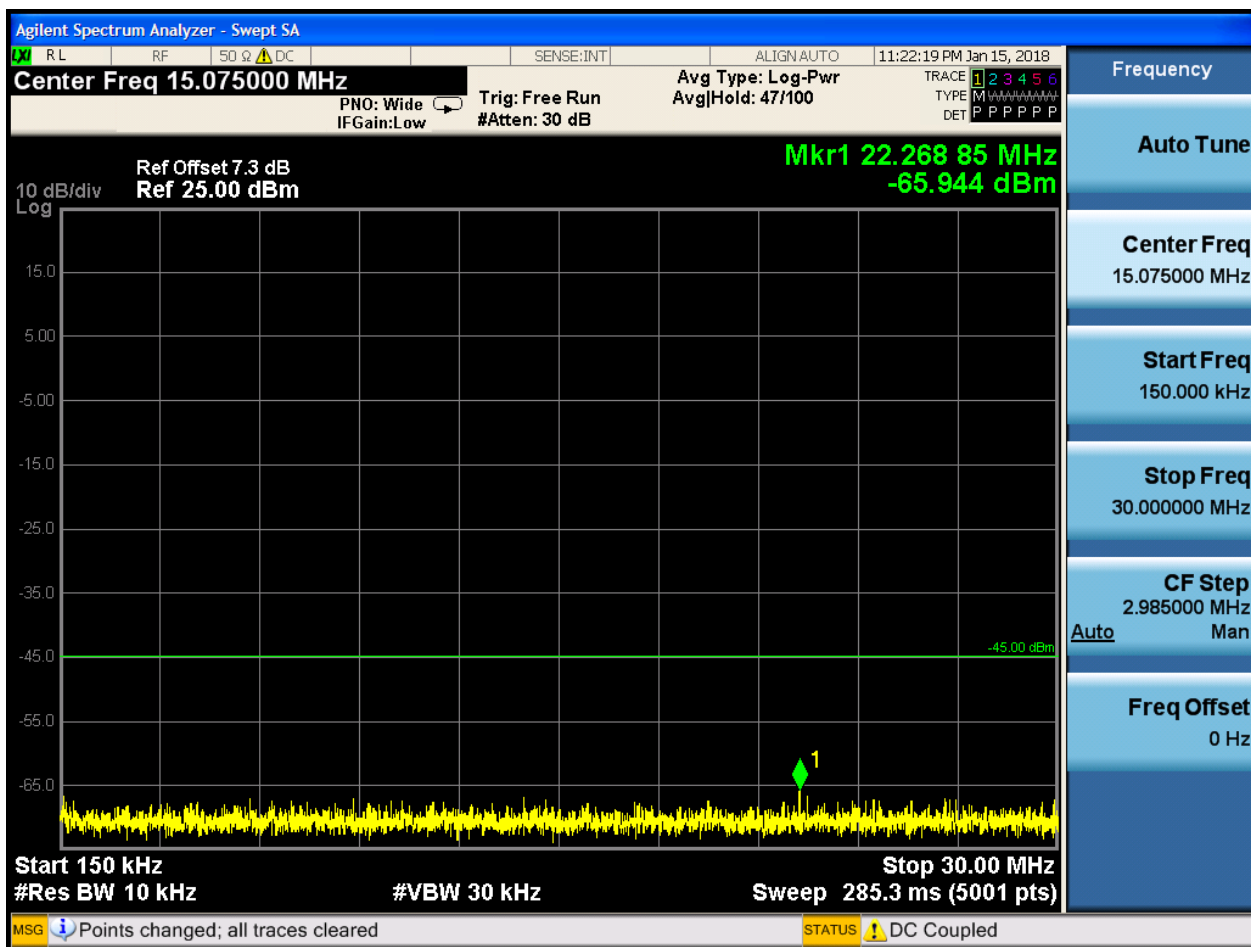


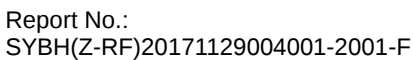


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







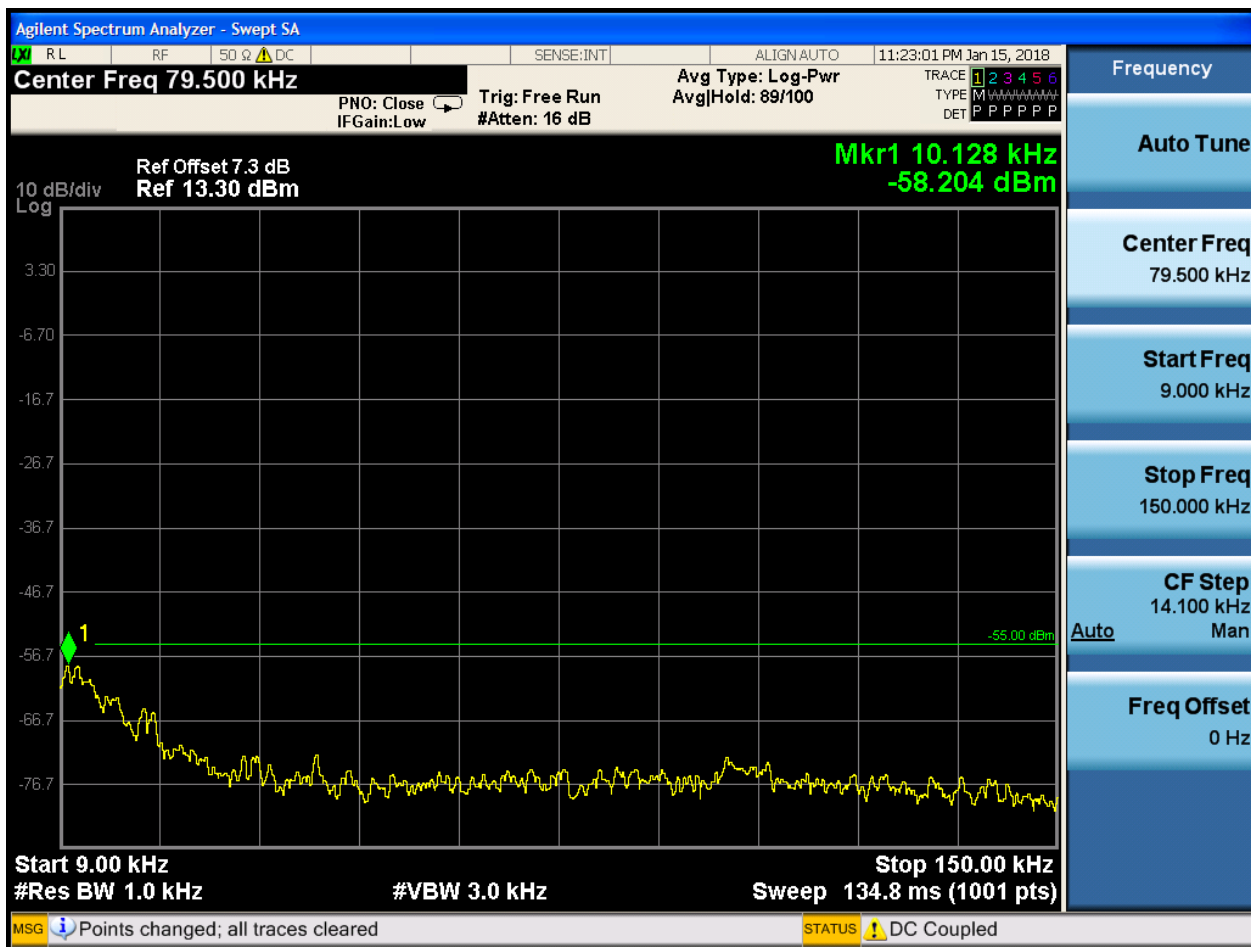


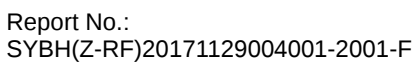
6.1.1.2 Test Mode = LTE/TM2

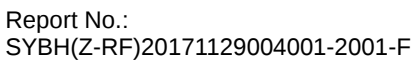
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



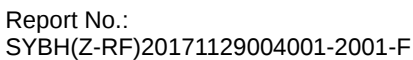


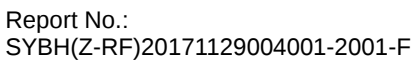


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

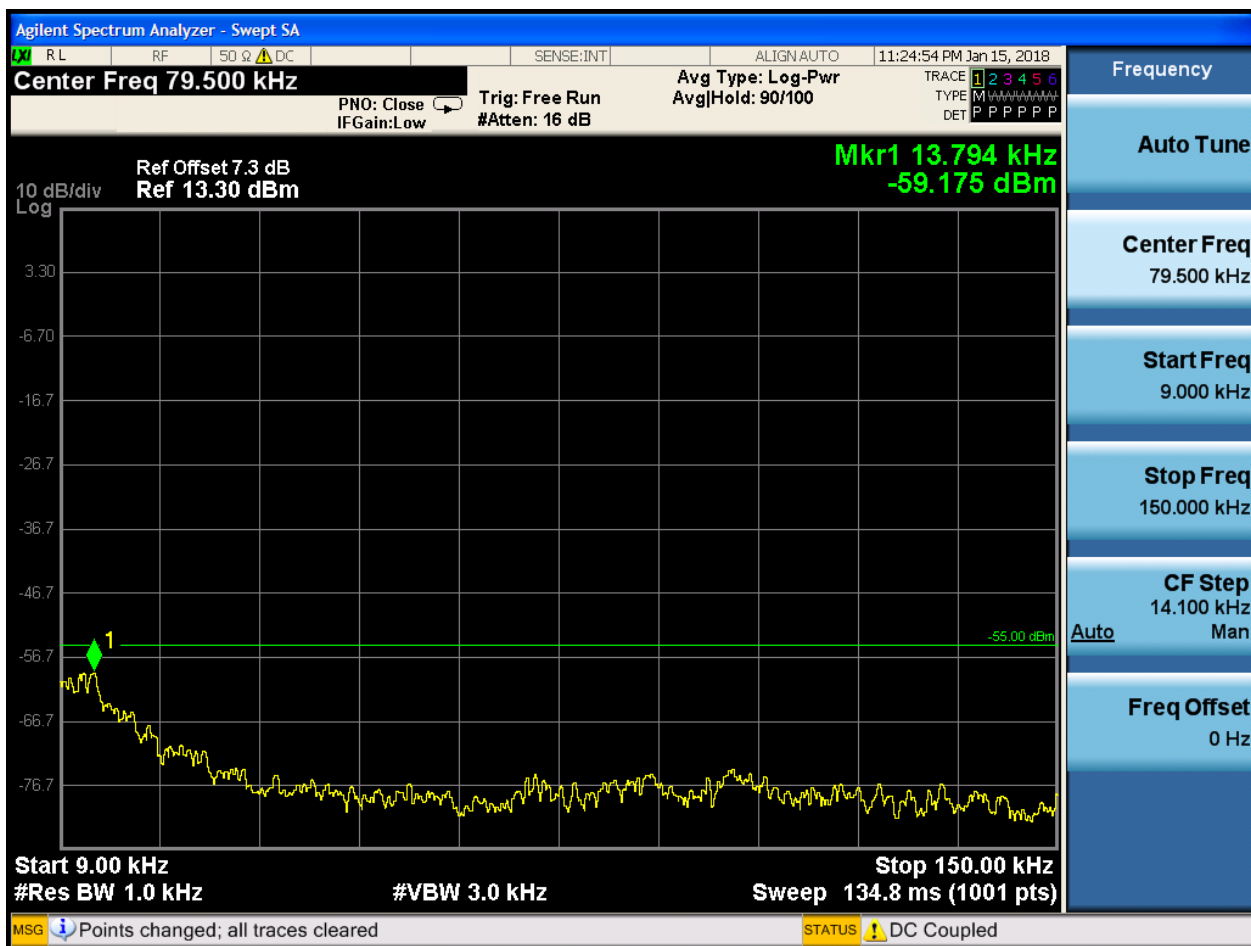


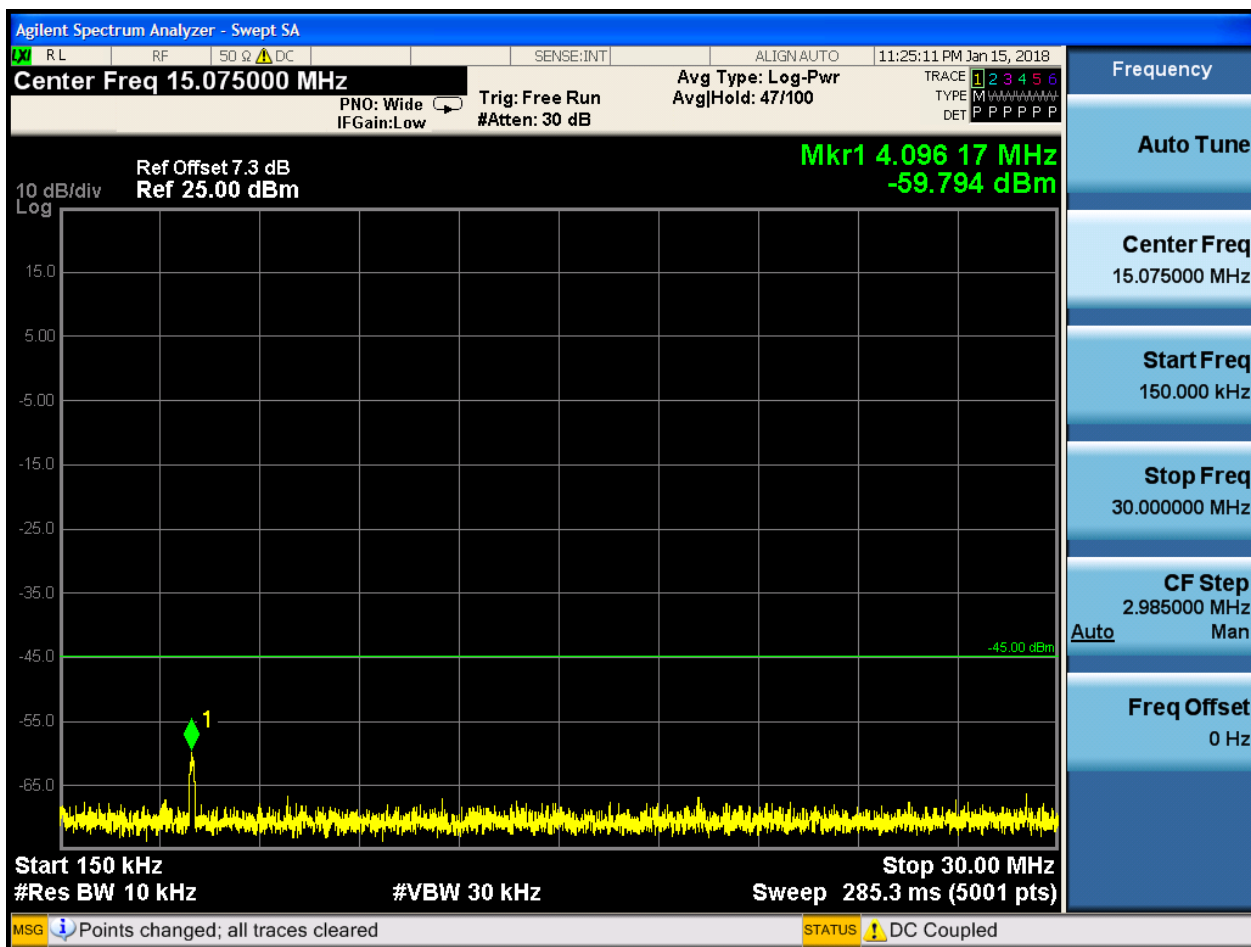


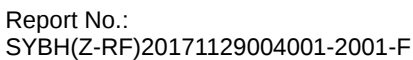


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



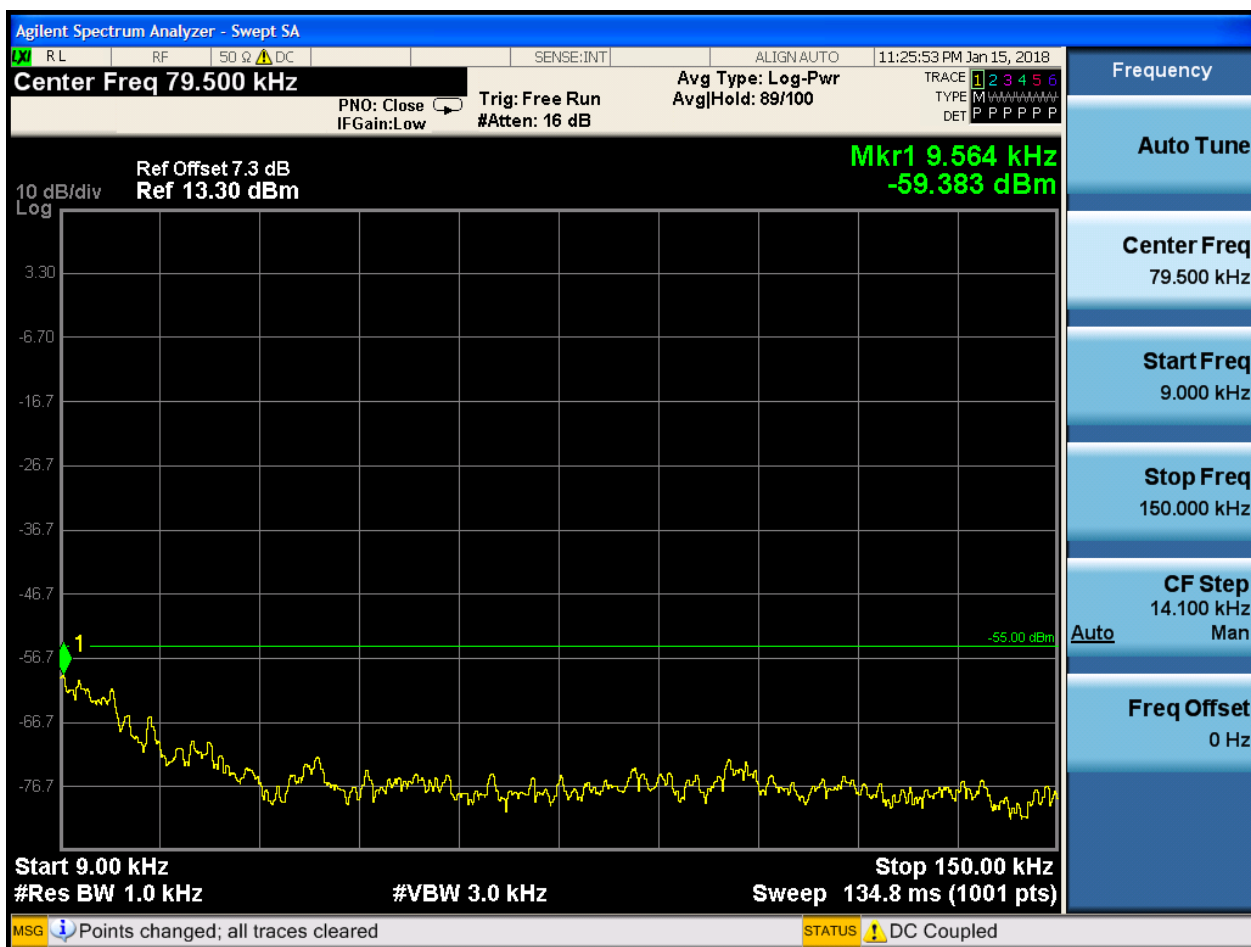


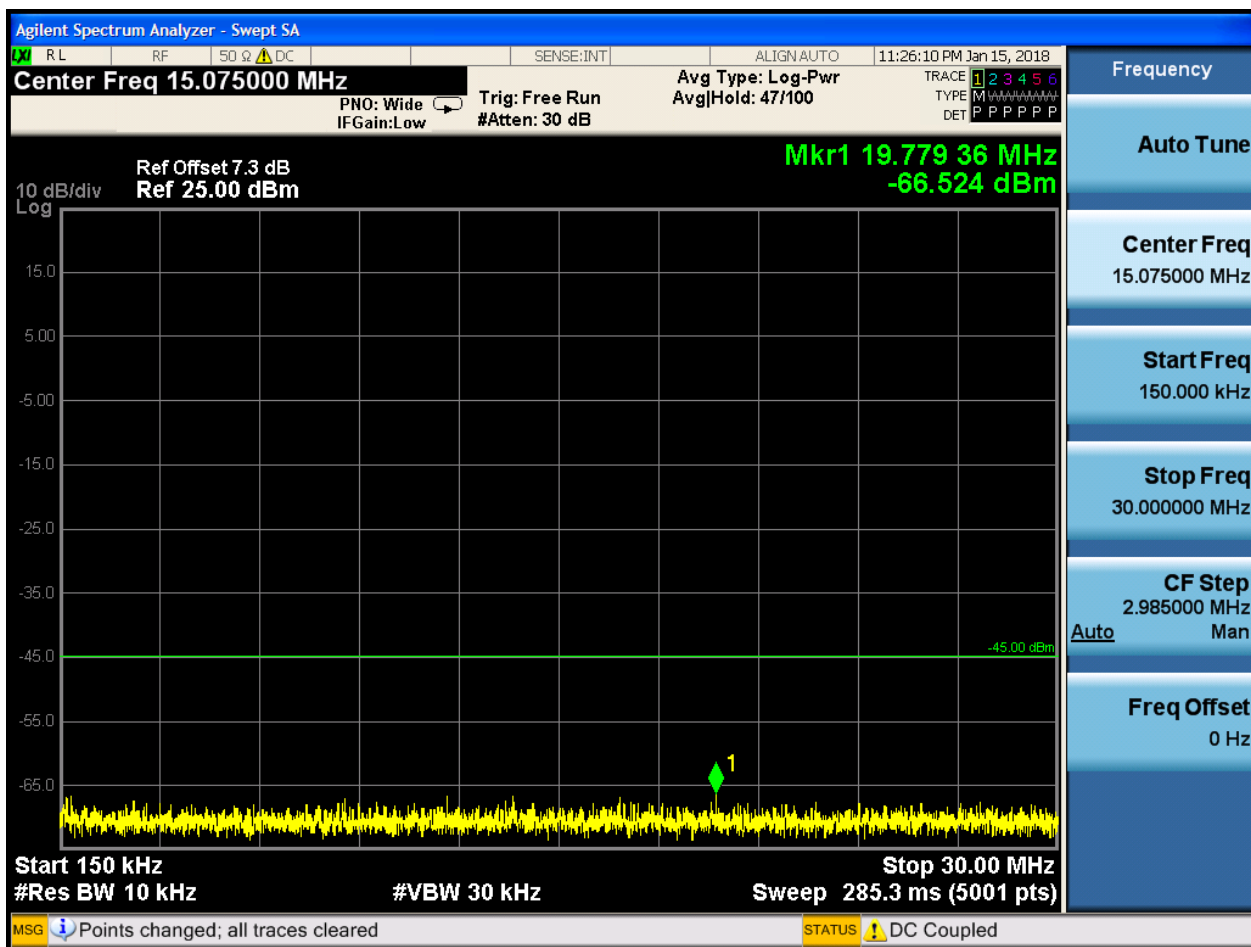


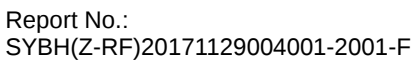
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

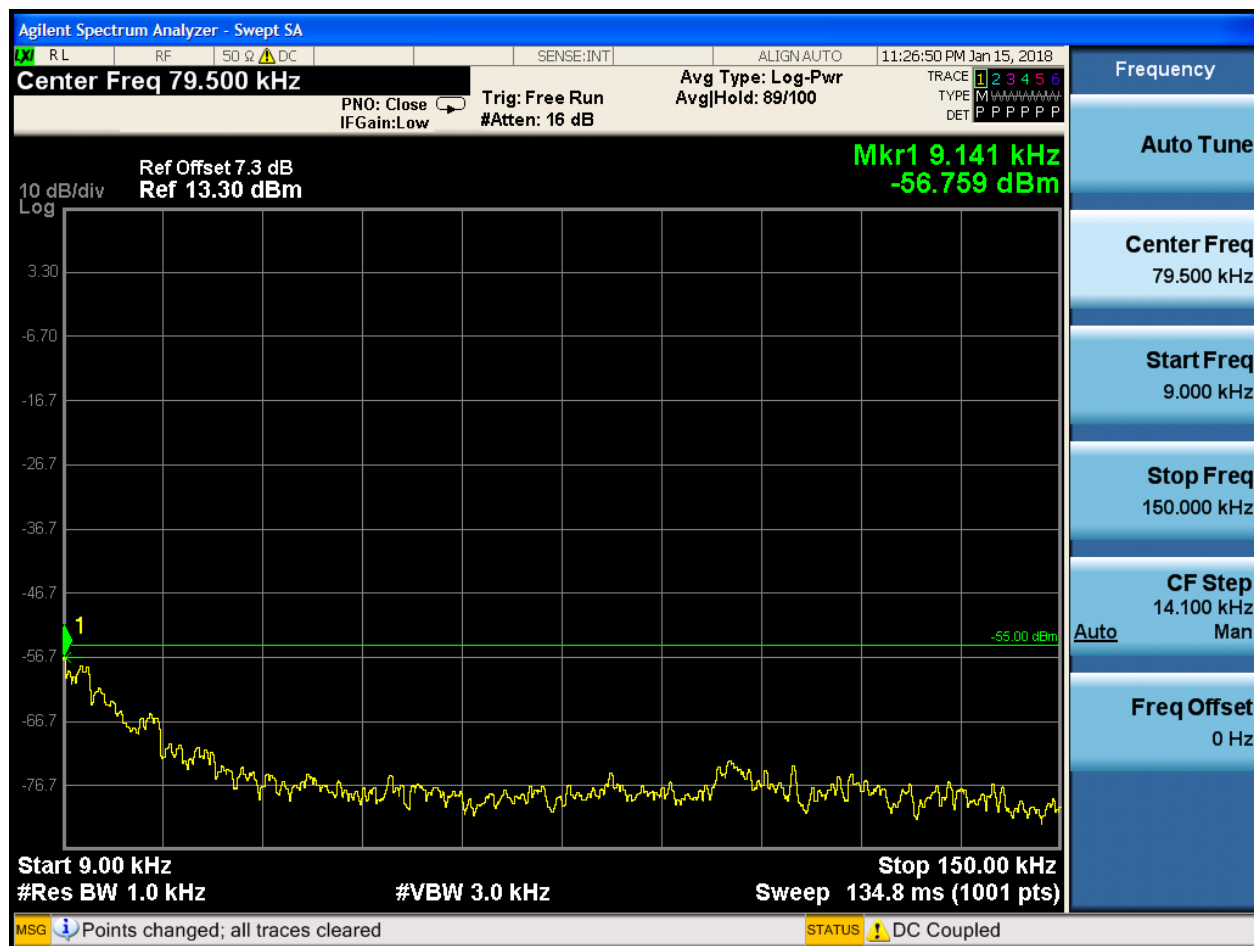


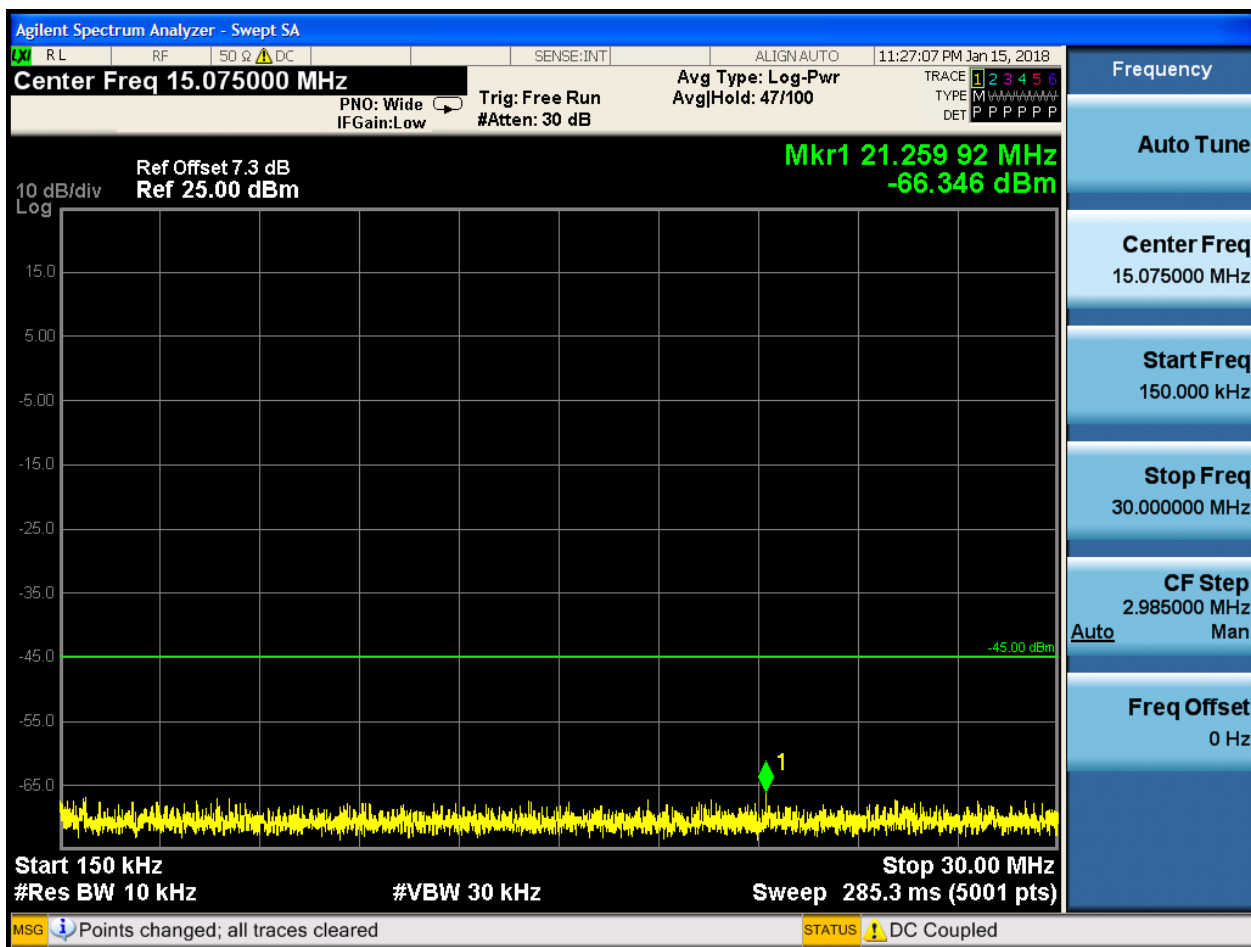


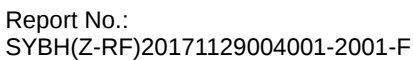


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



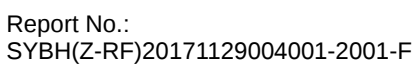


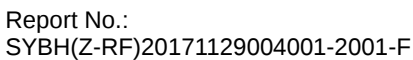


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



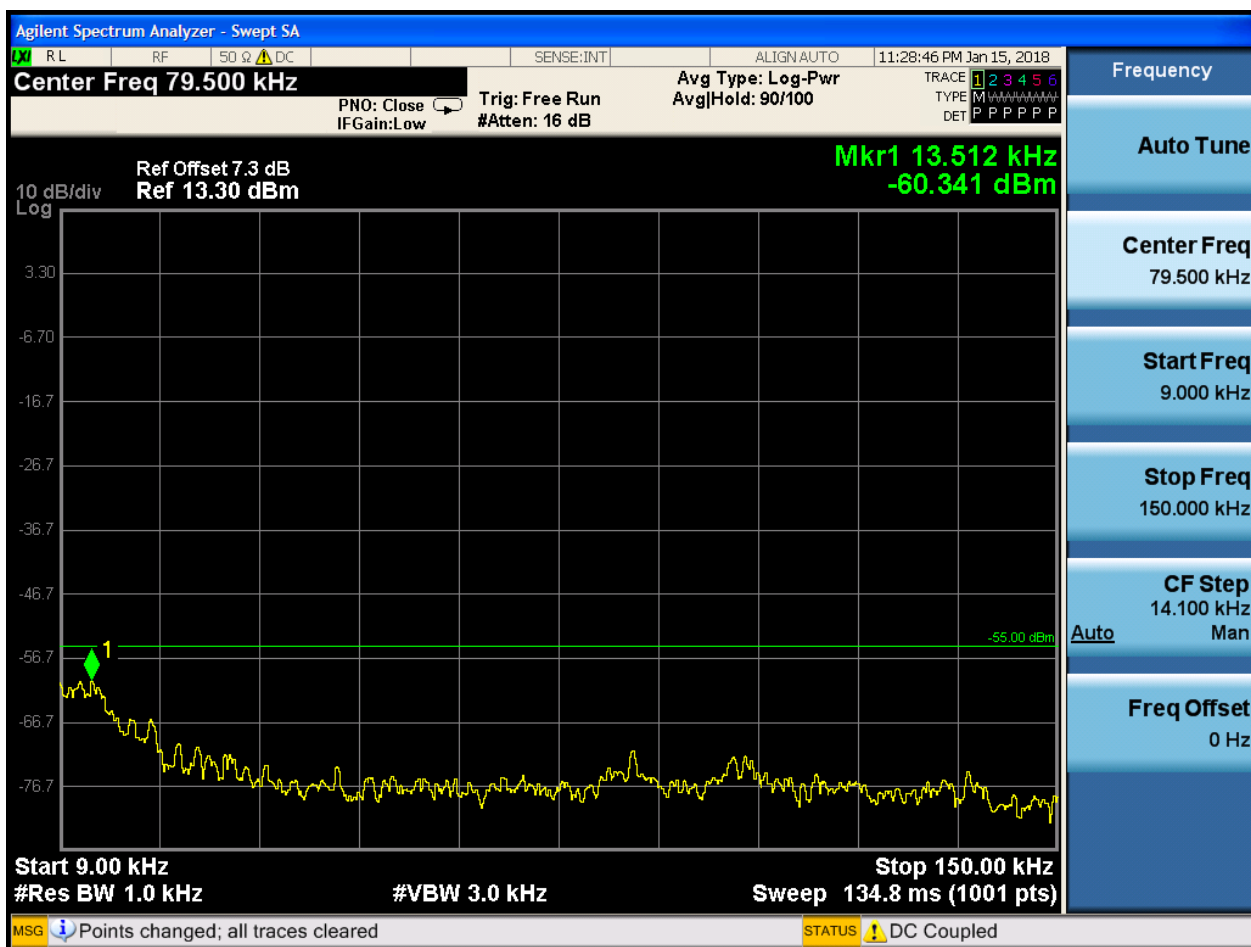


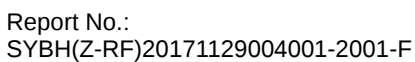


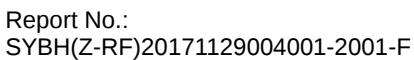
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

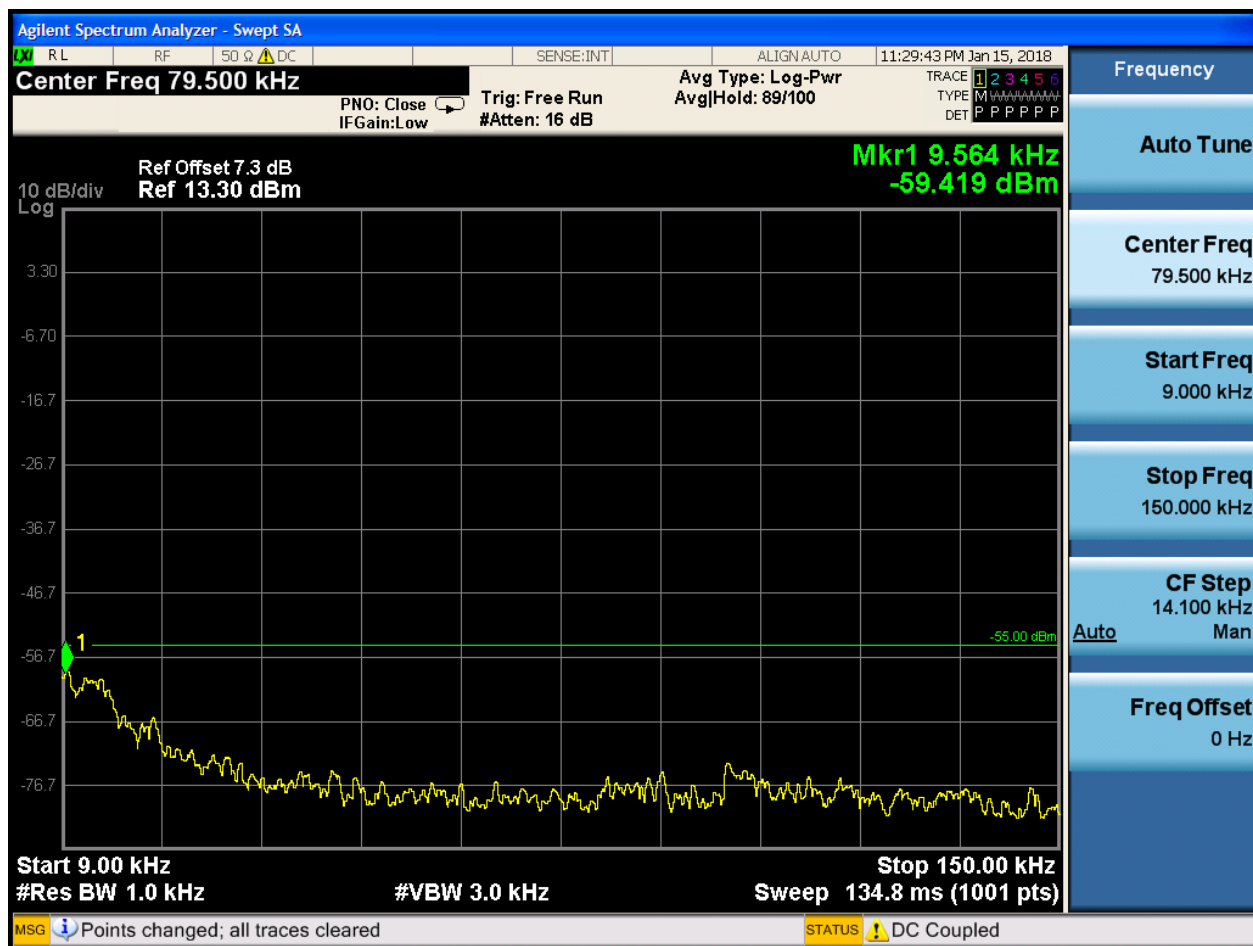


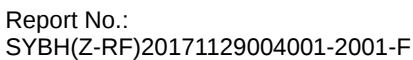


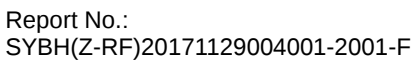


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



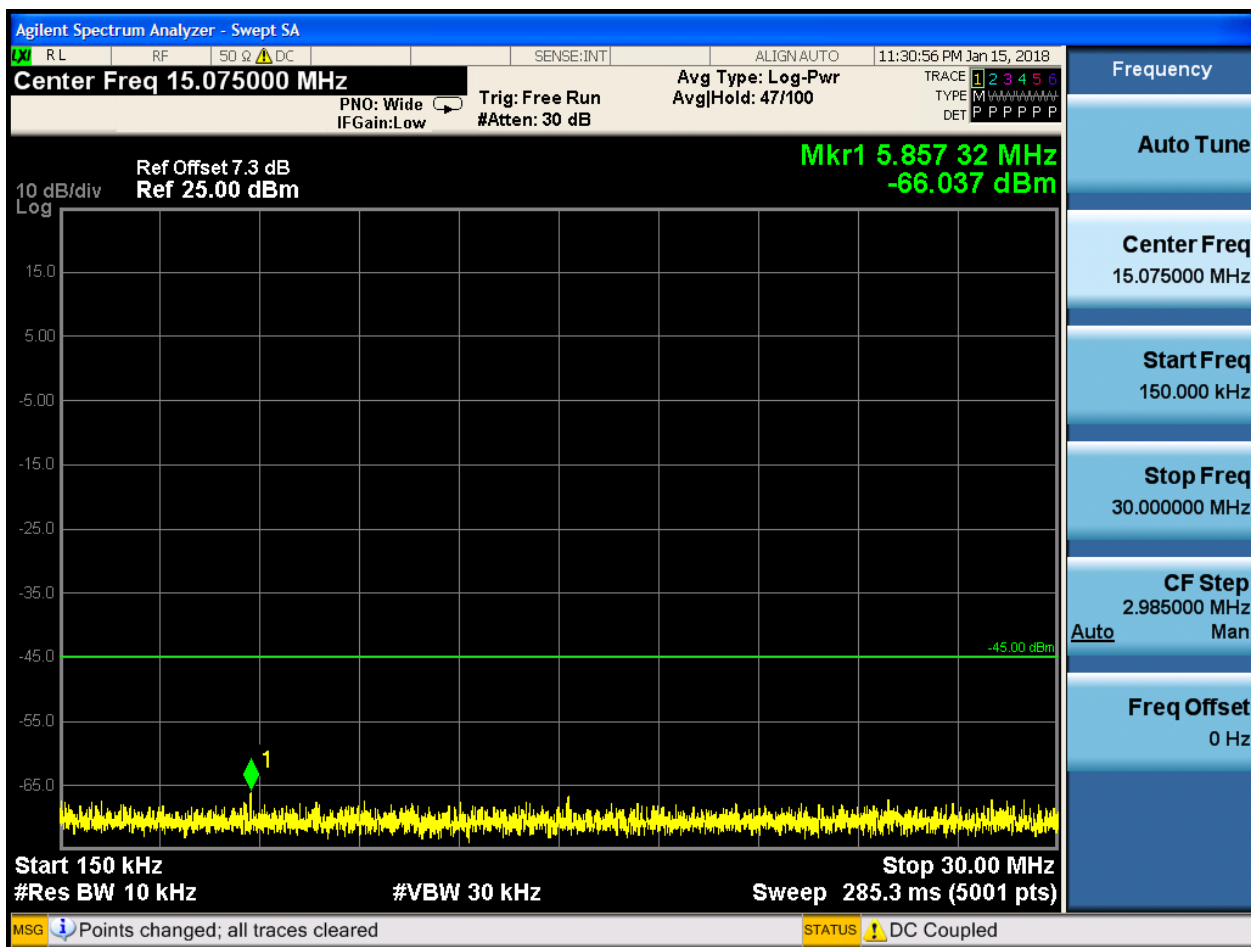


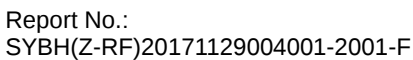


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



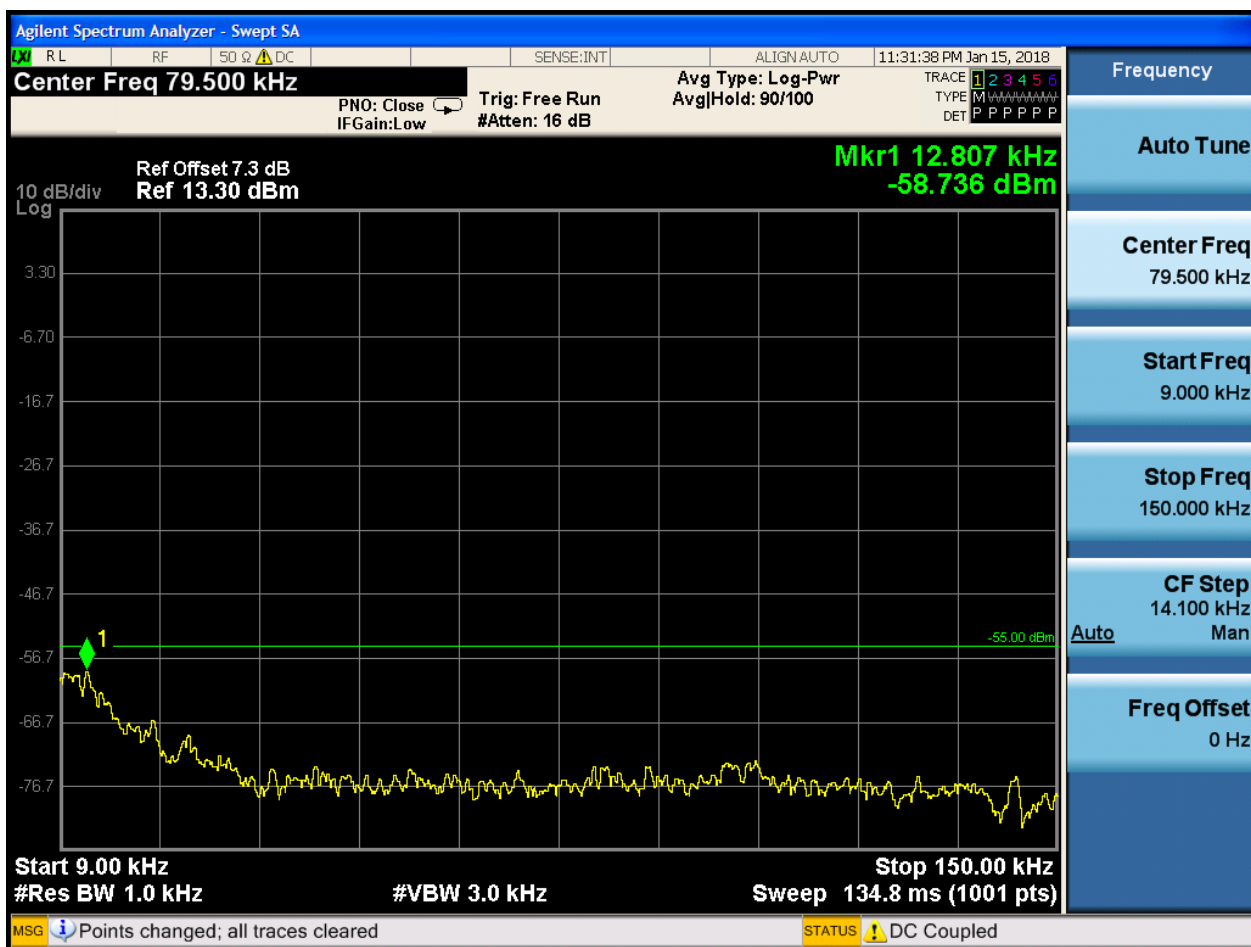


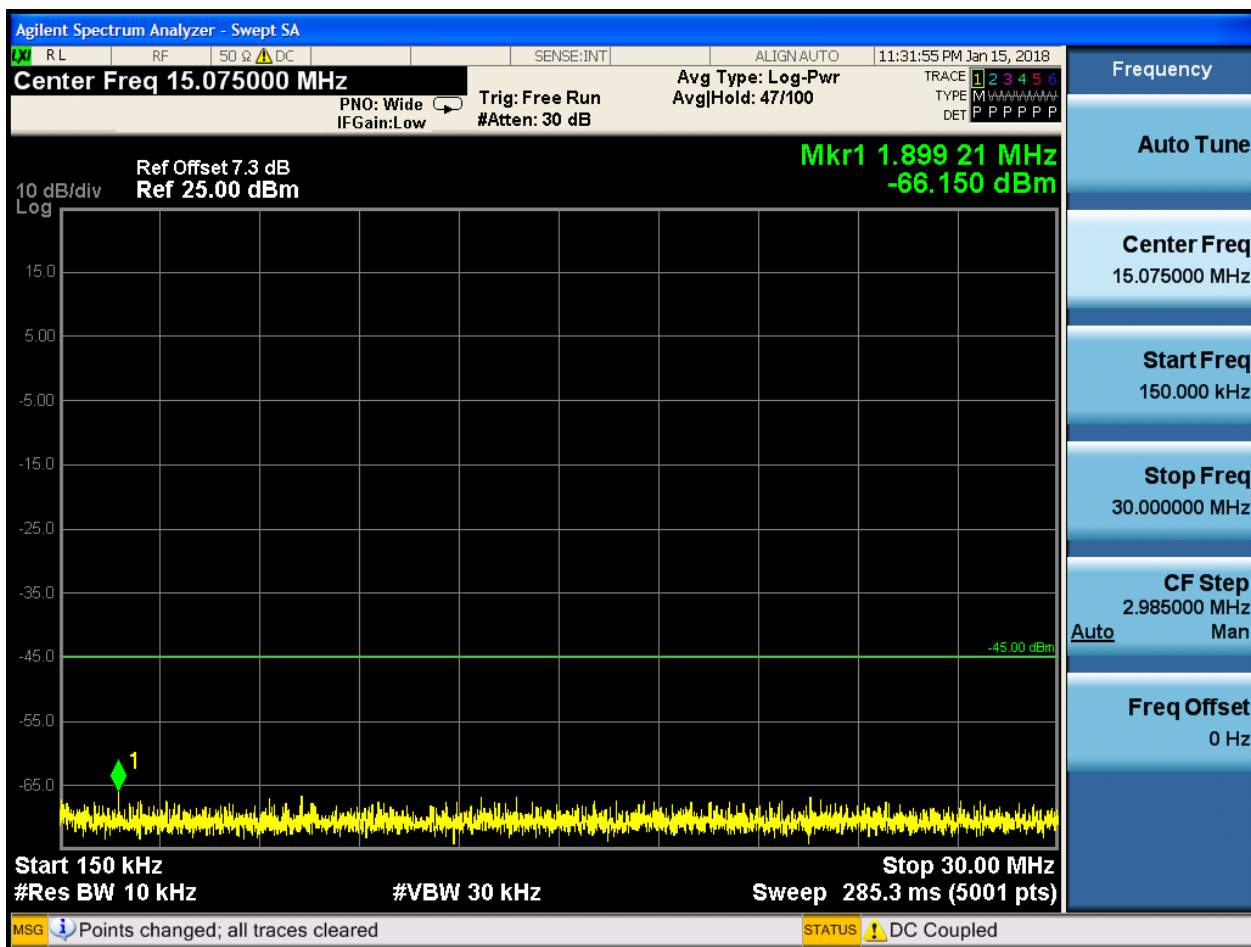


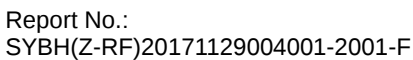
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

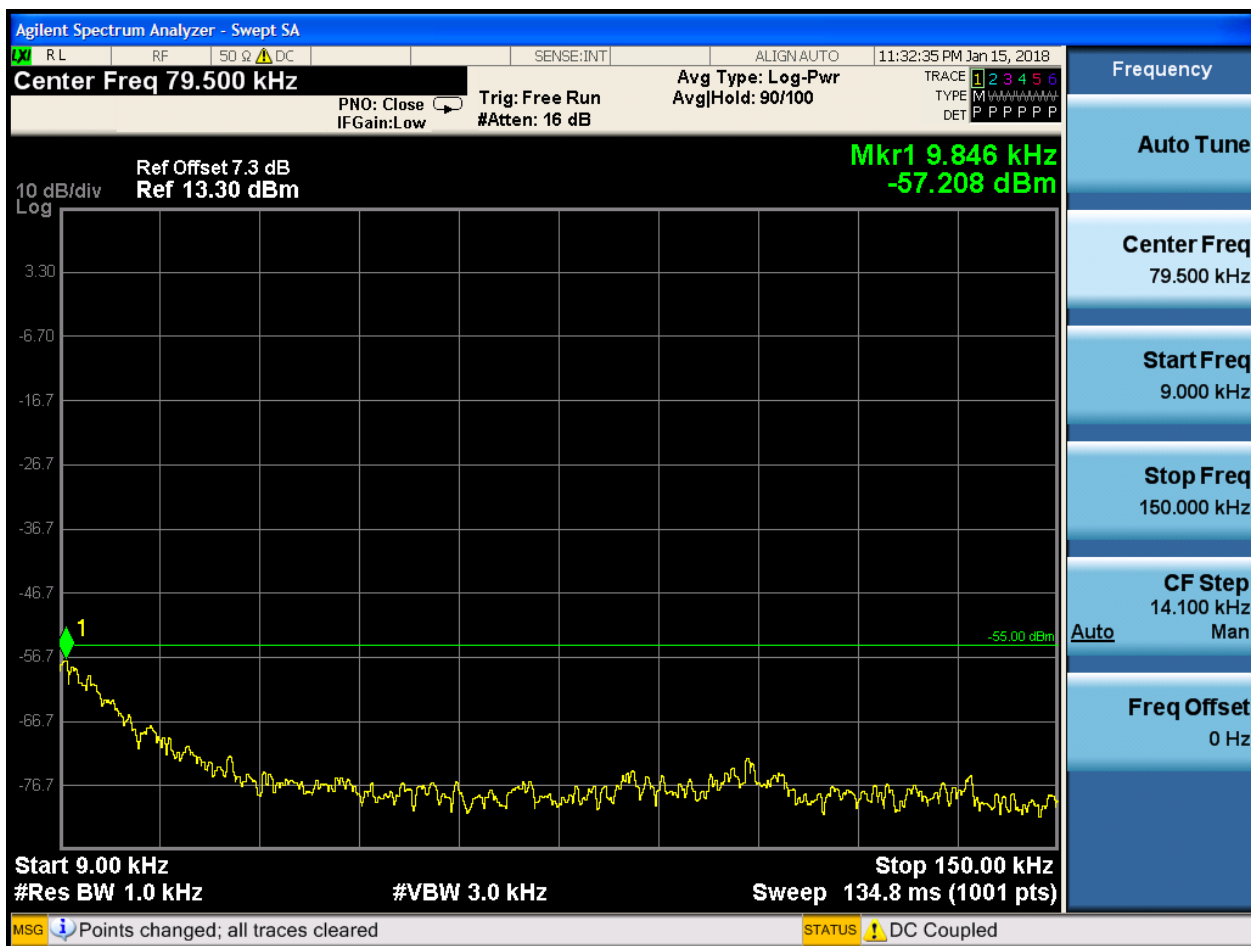


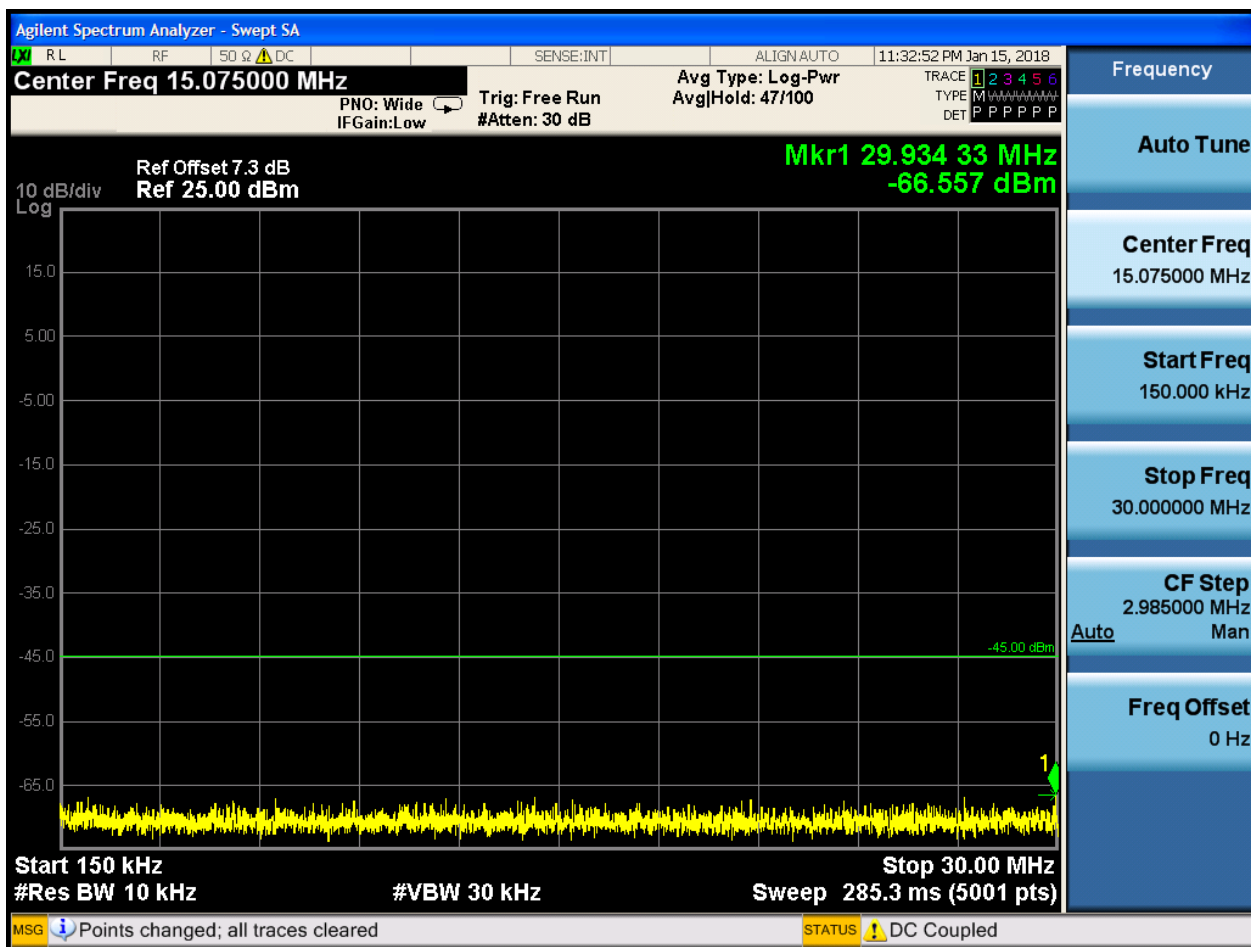


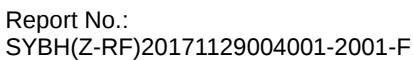


6.1.1.2.4.2 Test Channel = MCH

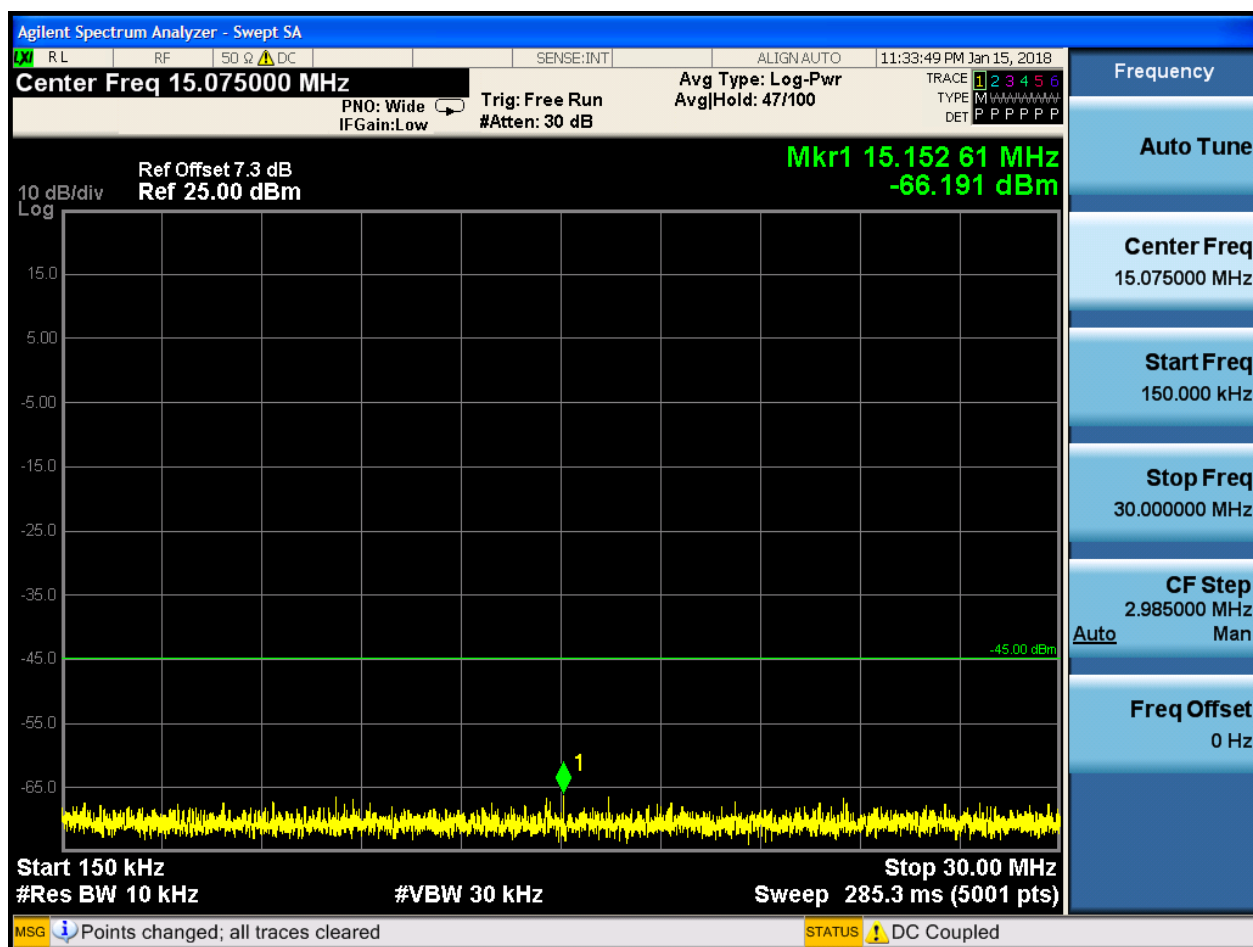
6.1.1.2.4.2.1 Test RB = RB1#0

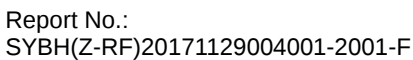












7Appendix_G: Field Strength of Spurious Radiation

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

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

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

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

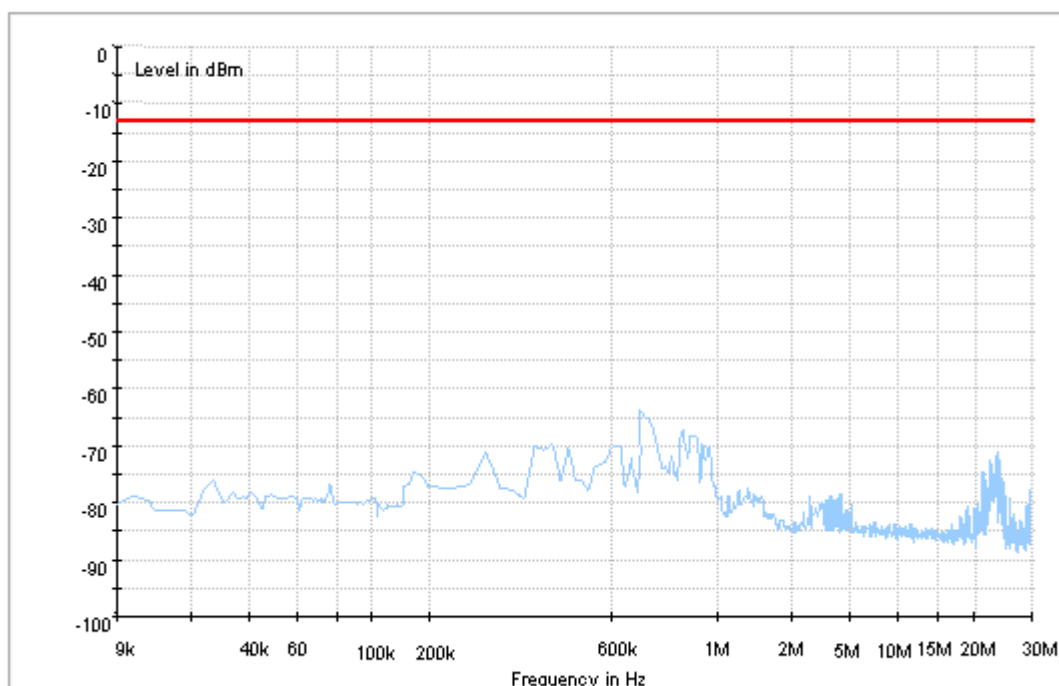
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

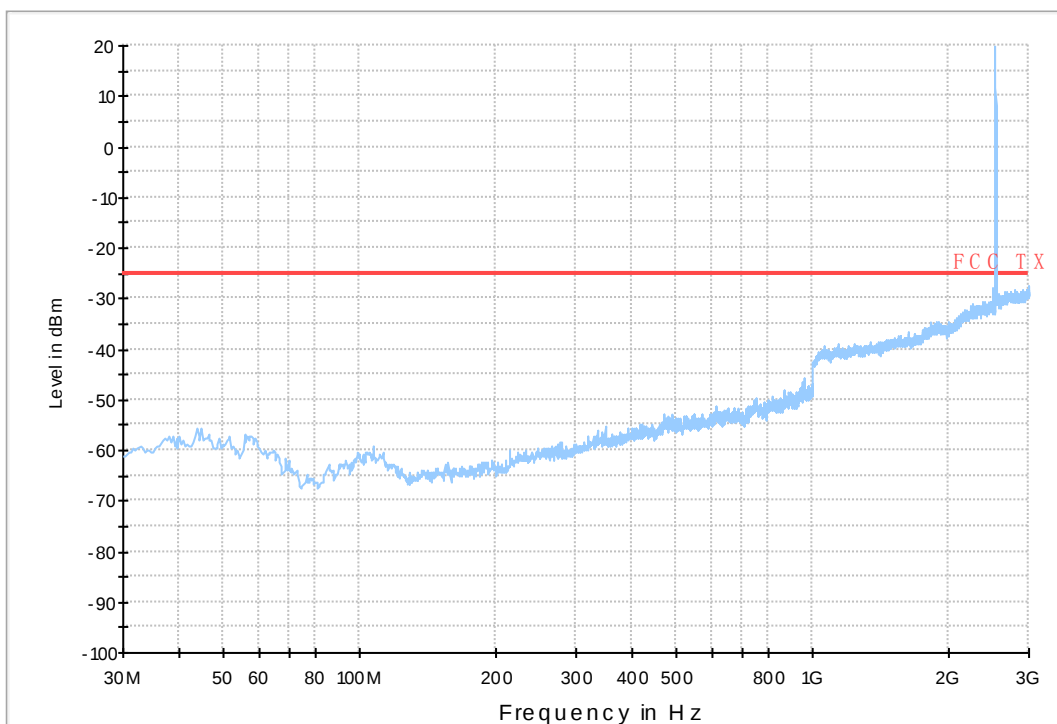
7.1 For LTE

7.1.1 Test Band = BAND7_ANT1

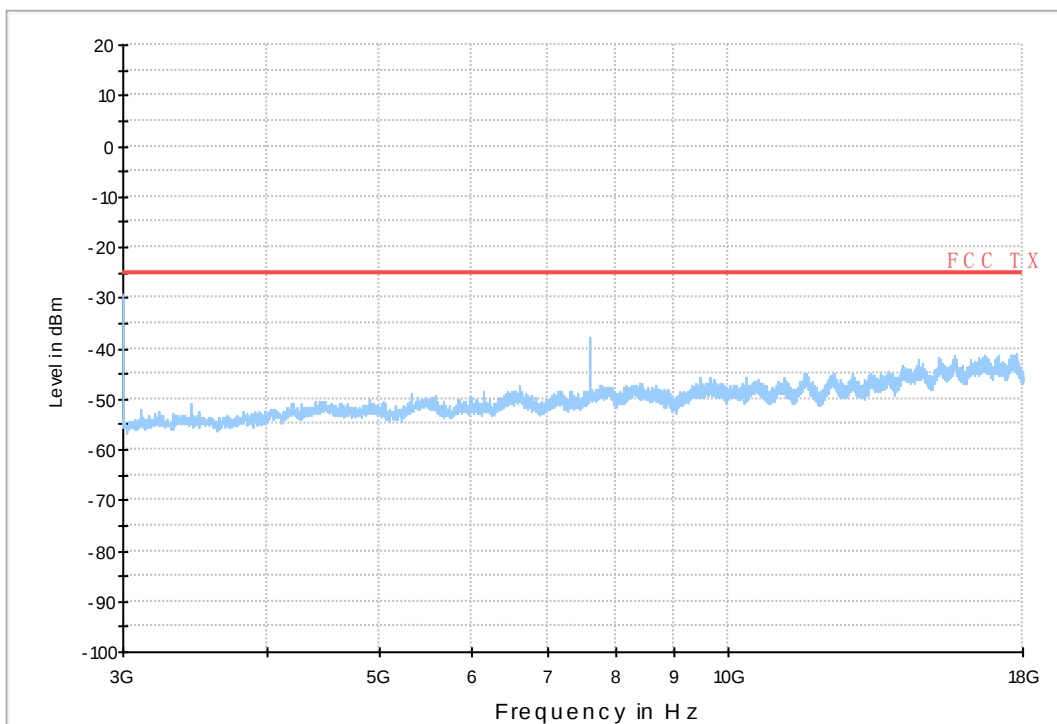
7.1.1.1 Test Bandwidth = 5

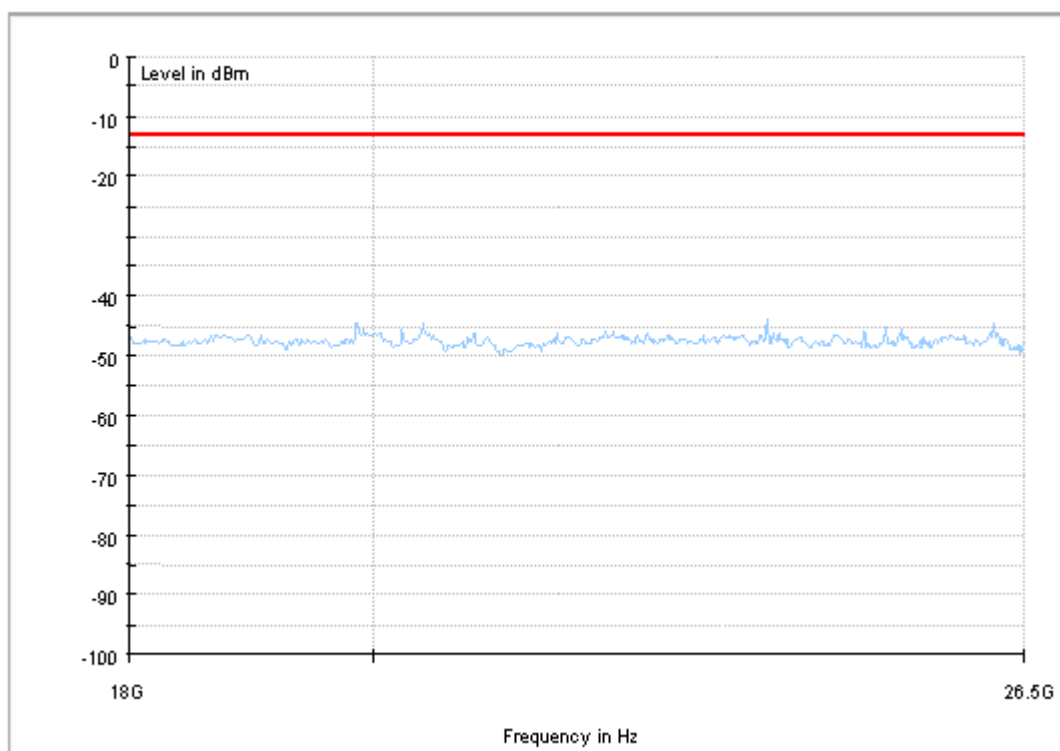


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

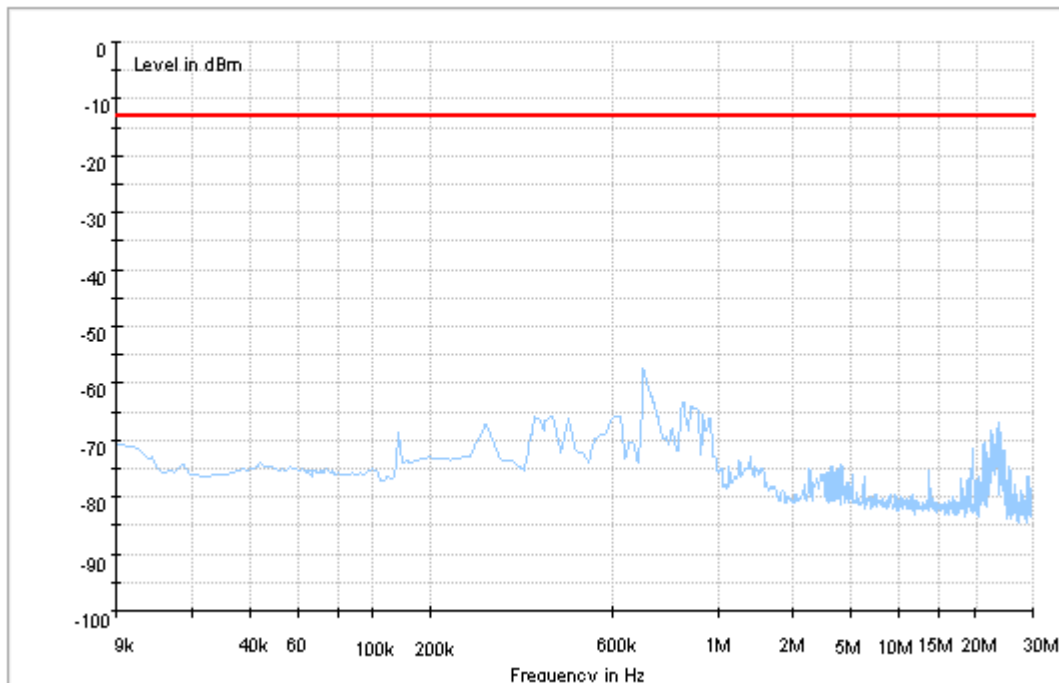


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

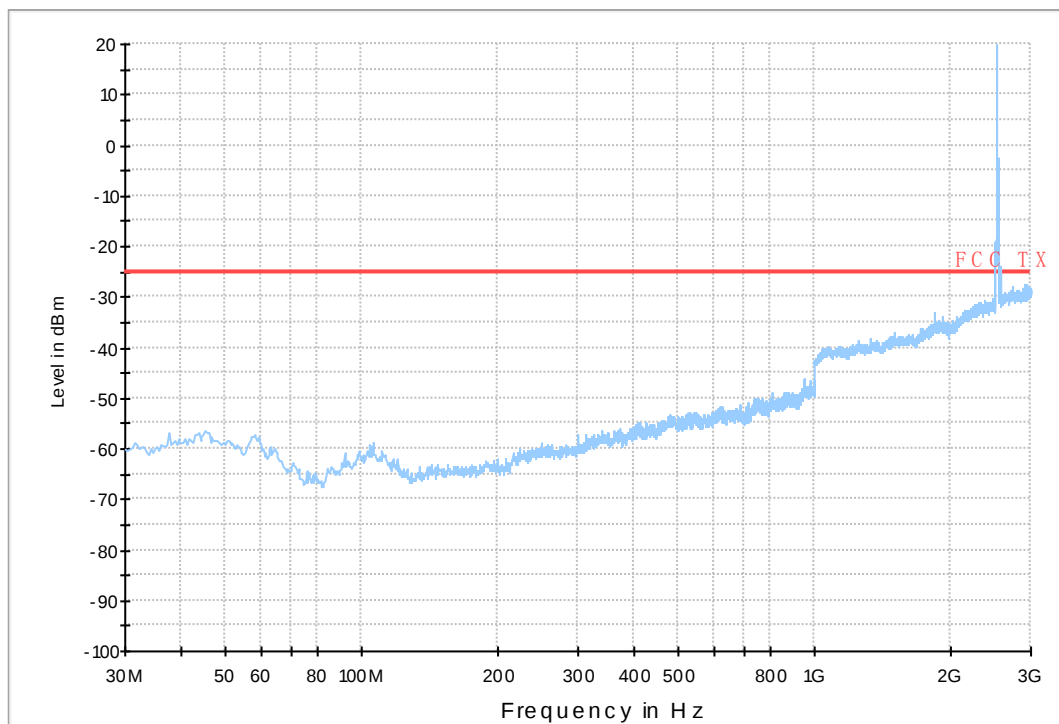




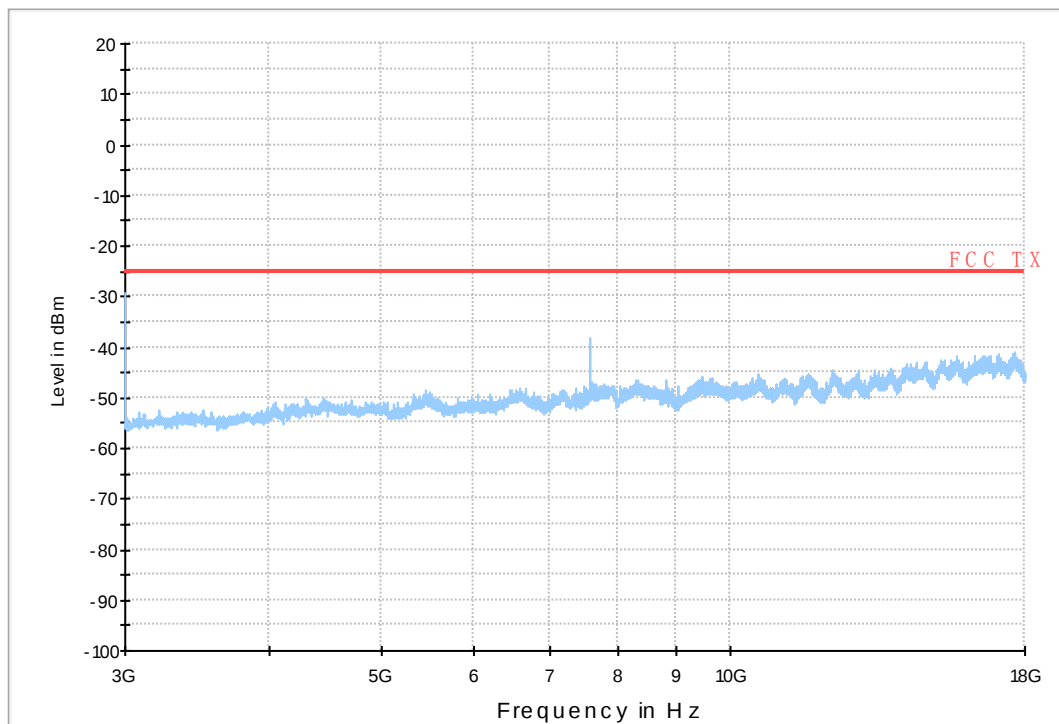
7.1.1.2 Test Bandwidth = 20

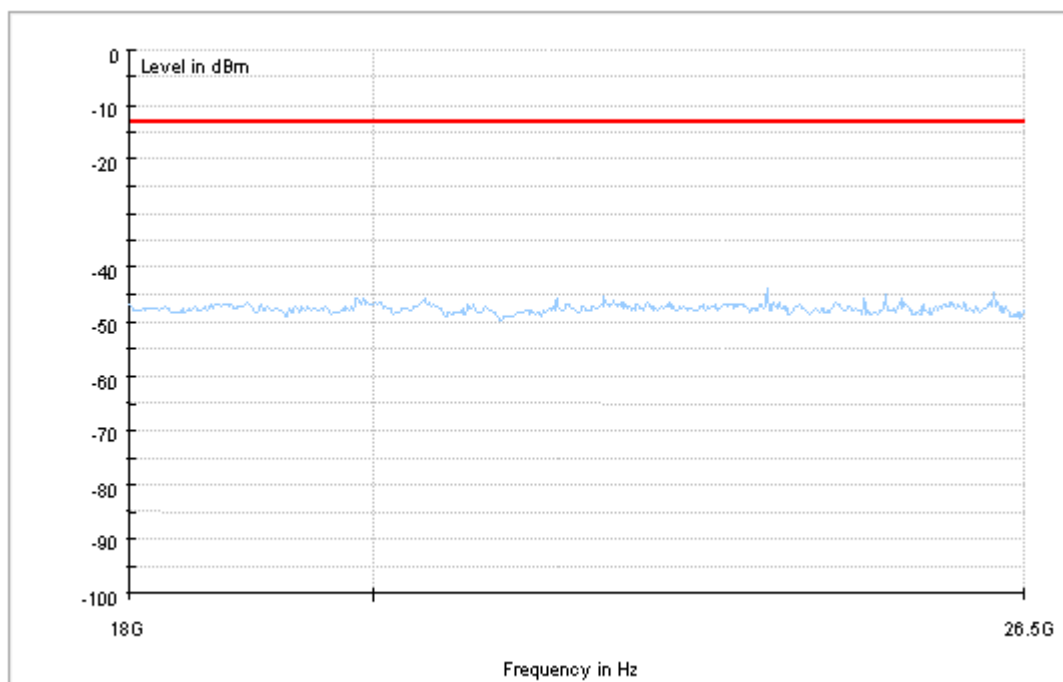


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



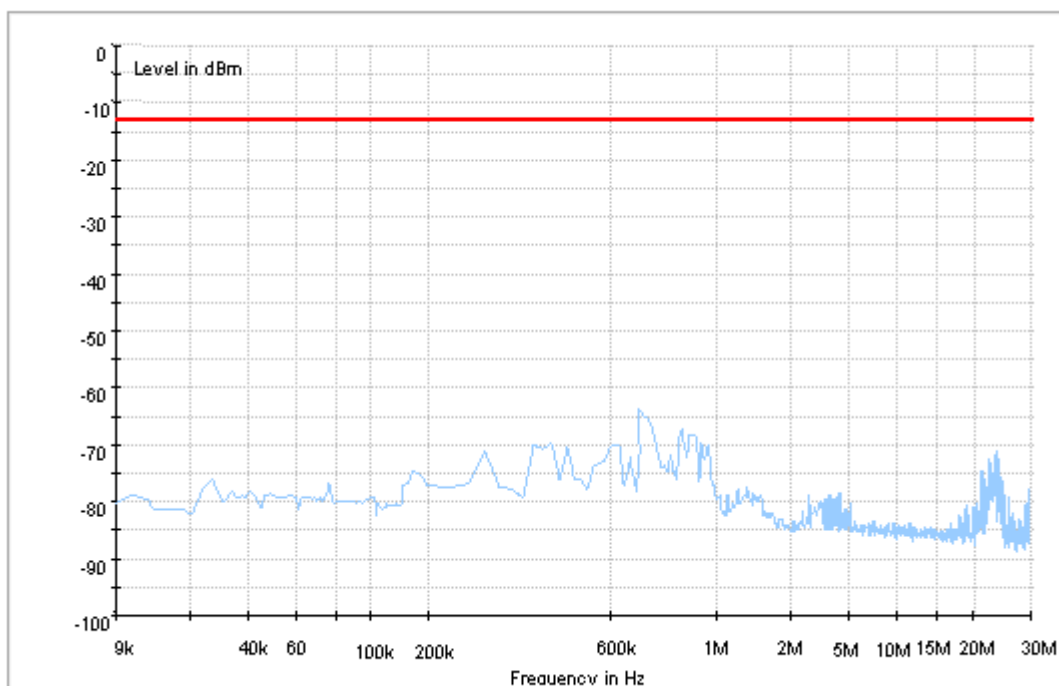
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



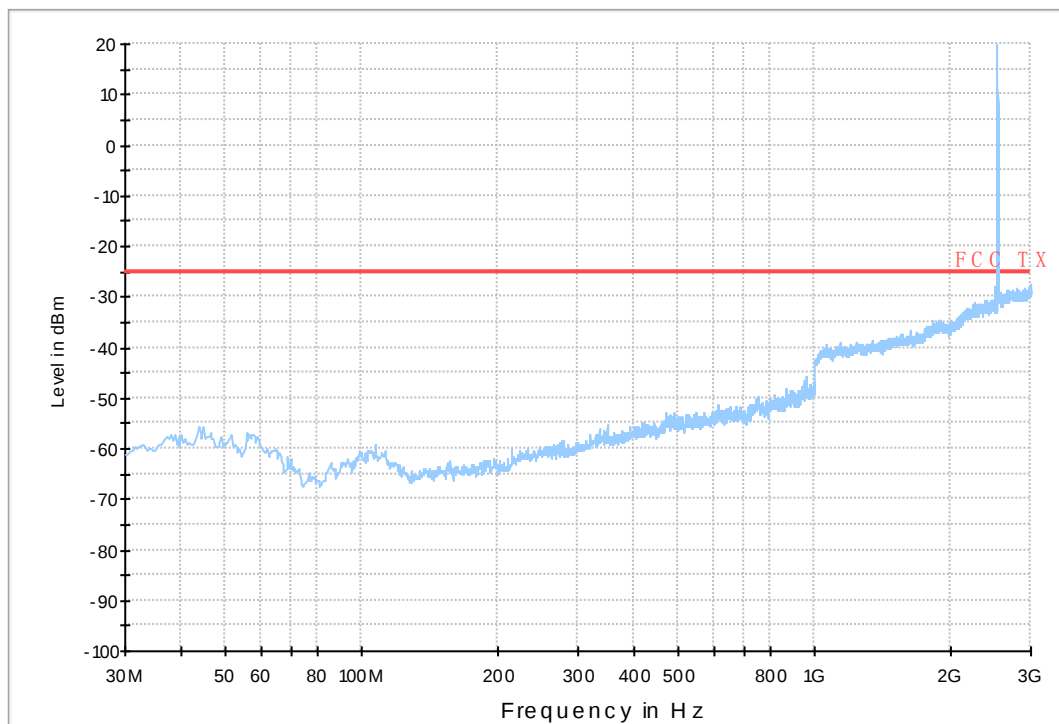


7.1.1 Test Band = BAND7_ANT2

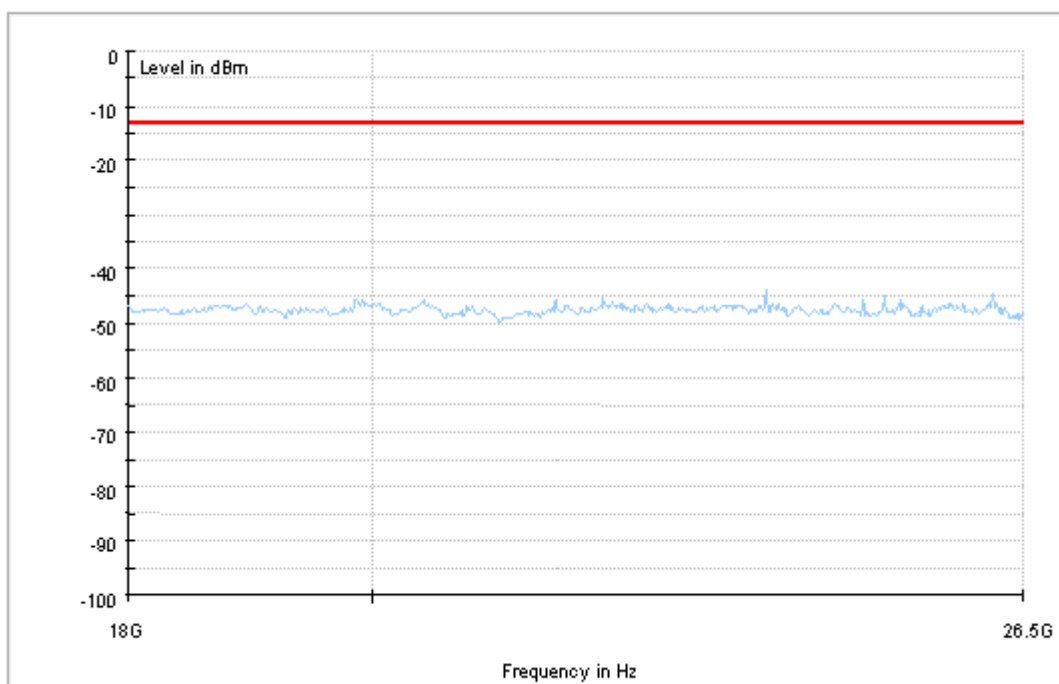
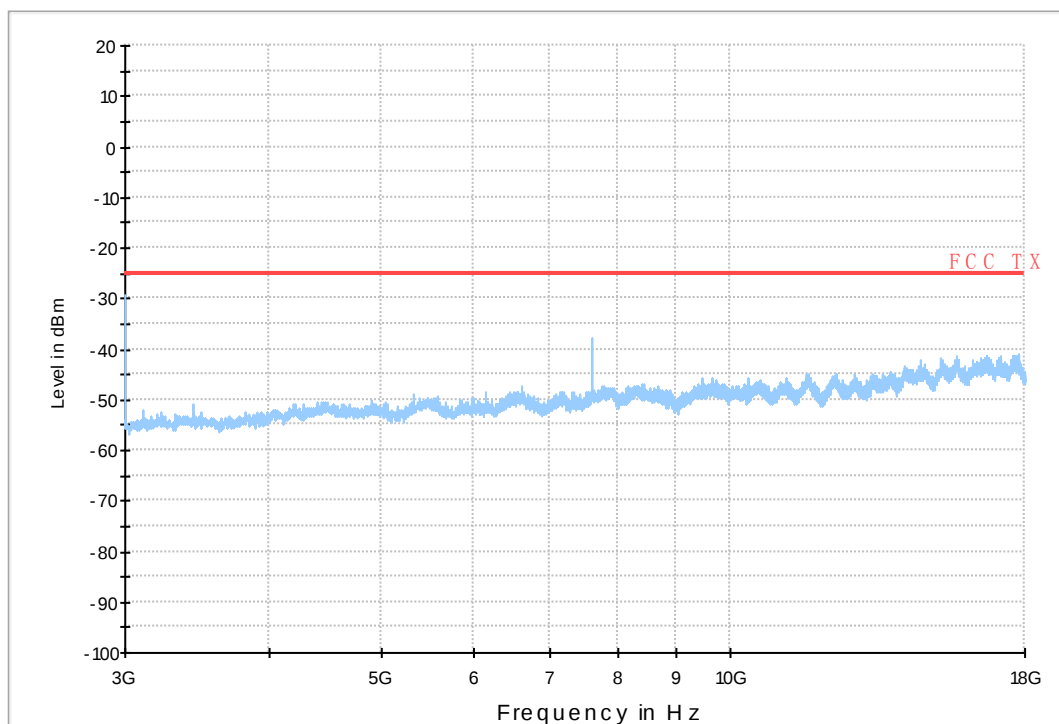
7.1.1.1 Test Bandwidth = 5



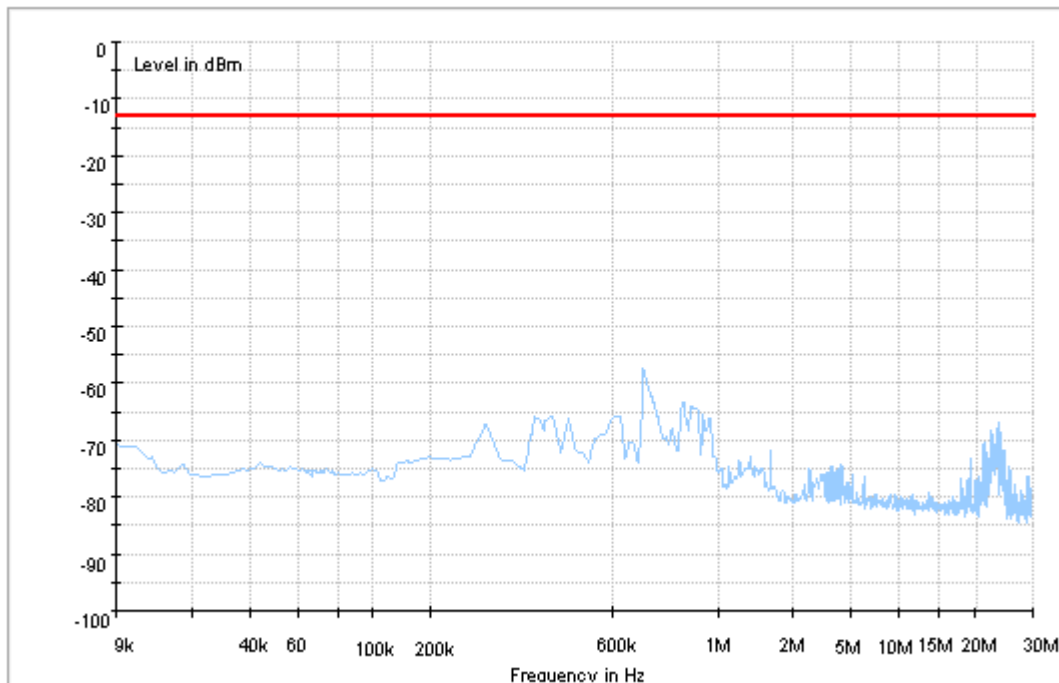
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



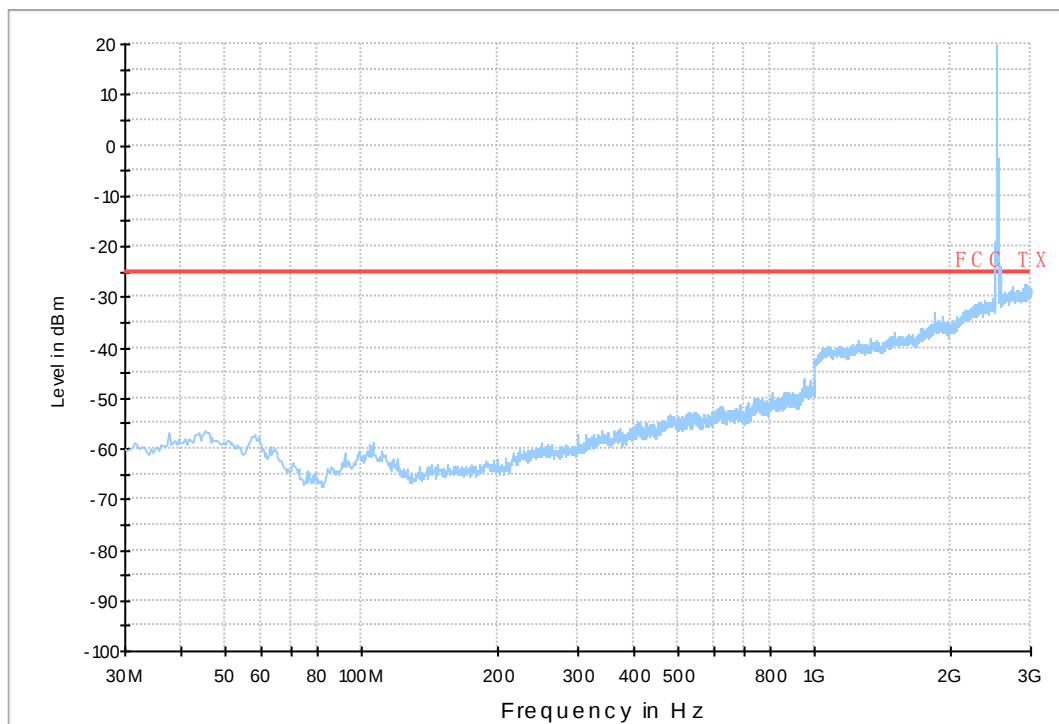
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



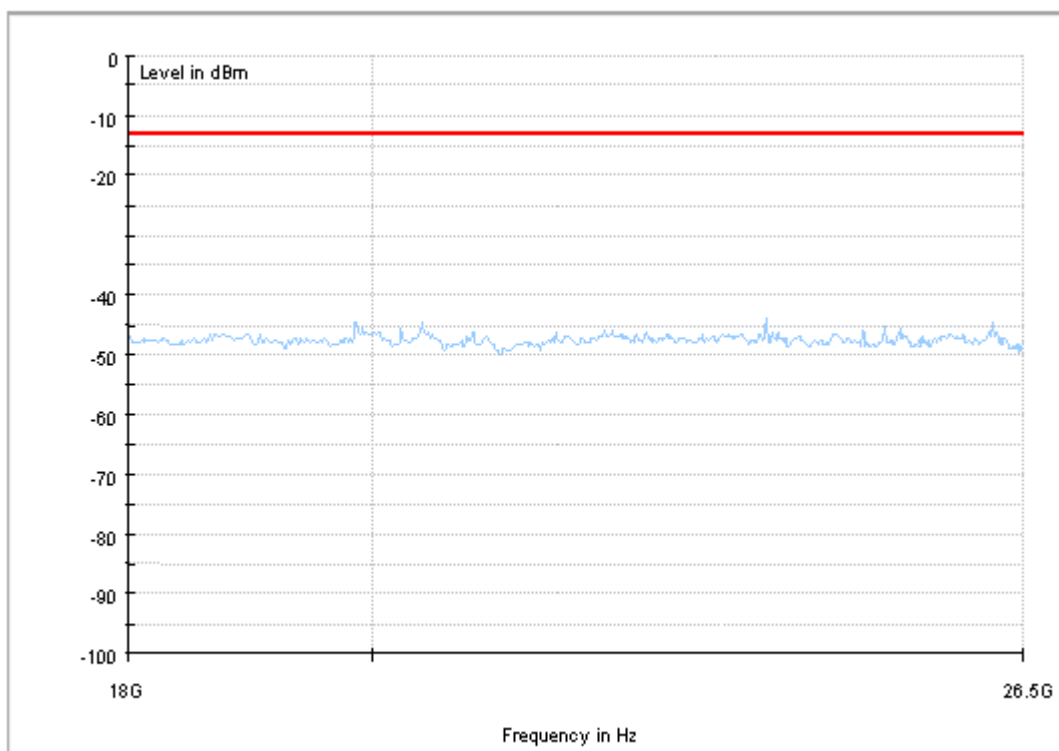
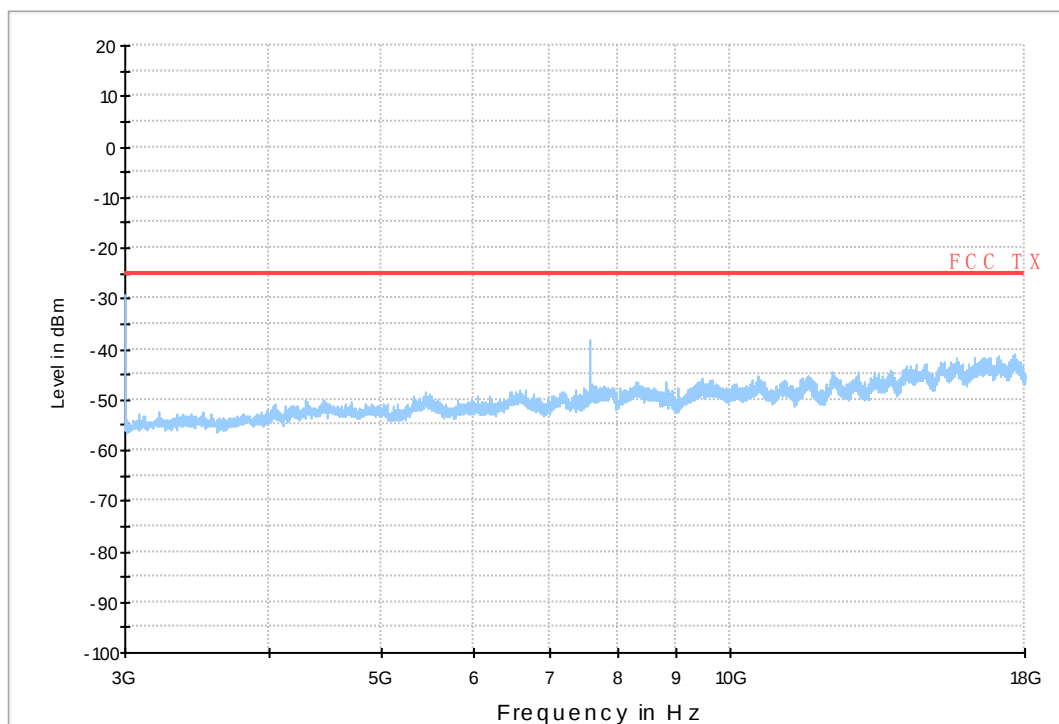
7.1.1.2 Test Bandwidth = 20



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



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



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	-16.79	-0.00671	PASS
					VN	-19.56	-0.00782	PASS
					VH	-20.16	-0.00806	PASS
			MCH	TN	VL	-10.87	-0.00429	PASS
					VN	-17.05	-0.00673	PASS
					VH	-13.50	-0.00533	PASS
			HCH	TN	VL	-12.49	-0.00486	PASS
					VN	-13.02	-0.00507	PASS
					VH	-12.59	-0.0049	PASS
		10	LCH	TN	VL	-1.04	-0.00042	PASS
					VN	-3.63	-0.00145	PASS
					VH	-4.79	-0.00191	PASS
			MCH	TN	VL	-26.89	-0.01061	PASS
					VN	-7.71	-0.00304	PASS
					VH	-9.10	-0.00359	PASS
			HCH	TN	VL	-3.39	-0.00132	PASS
					VN	-4.33	-0.00169	PASS
					VH	-4.63	-0.00181	PASS
		15	LCH	TN	VL	4.48	0.00179	PASS
					VN	0.47	0.00019	PASS
					VH	-1.79	-0.00071	PASS
			MCH	TN	VL	-3.78	-0.00149	PASS
					VN	-5.91	-0.00233	PASS
					VH	-19.20	-0.00757	PASS
			HCH	TN	VL	-2.10	-0.00082	PASS
					VN	-3.42	-0.00133	PASS
					VH	-1.86	-0.00073	PASS
		20	LCH	TN	VL	1.16	0.00046	PASS
					VN	-0.60	-0.00024	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VH	-0.94	-0.00037	PASS
					VL	-6.25	-0.00247	PASS
					VN	-5.04	-0.00199	PASS
			HCH	TN	VH	-4.62	-0.00182	PASS
					VL	2.35	0.00092	PASS
					VN	0.50	0.0002	PASS
		5	LCH	TN	VH	0.69	0.00027	PASS
					VL	-0.27	-0.00011	PASS
					VN	-3.32	-0.00133	PASS
			MCH	TN	VH	-3.09	-0.00123	PASS
					VL	-5.48	-0.00216	PASS
					VN	-5.14	-0.00203	PASS
			HCH	TN	VH	-3.29	-0.0013	PASS
					VL	-32.64	-0.01271	PASS
					VN	-36.46	-0.0142	PASS
		10	LCH	TN	VH	-38.51	-0.015	PASS
					VL	0.54	0.00022	PASS
					VN	1.44	0.00057	PASS
			MCH	TN	VH	-3.46	-0.00138	PASS
					VL	-25.36	-0.01	PASS
					VN	-20.76	-0.00819	PASS
			HCH	TN	VH	-11.01	-0.00434	PASS
					VL	-3.25	-0.00127	PASS
					VN	-2.85	-0.00111	PASS
		15	LCH	TN	VH	-3.15	-0.00123	PASS
					VL	2.66	0.00106	PASS
					VN	0.39	0.00016	PASS
			MCH	TN	VH	3.96	0.00158	PASS
					VL	-15.12	-0.00596	PASS
					VN	-4.32	-0.0017	PASS
			HCH	TN	VH	-13.18	-0.0052	PASS
					VL	-1.20	-0.00047	PASS
					VN	1.34	0.00052	PASS
		20	LCH	TN	VH	-0.07	-0.00003	PASS
					VL	-0.93	-0.00037	PASS
					VN	1.24	0.00049	PASS
			MCH	TN	VH	-0.63	-0.00025	PASS
					VL	-3.60	-0.00142	PASS
					VN	-3.75	-0.00148	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VH	-2.98	-0.00118	PASS
					VL	-1.00	-0.00039	PASS
					VN	0.63	0.00025	PASS
					VH	0.79	0.00031	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	-3.53	-0.00141	PASS
					-20	-5.46	-0.00218	PASS
					-10	-2.66	-0.00106	PASS
					0	-2.93	-0.00117	PASS
					10	-5.65	-0.00226	PASS
					20	-3.50	-0.0014	PASS
					30	-0.92	-0.00037	PASS
					40	-3.88	-0.00155	PASS
					50	0.73	0.00029	PASS
			MCH	VN	-30	-36.64	-0.01445	PASS
					-20	-2.46	-0.00097	PASS
					-10	-2.89	-0.00114	PASS
					0	-8.20	-0.00323	PASS
					10	-4.08	-0.00161	PASS
					20	-2.00	-0.00079	PASS
					30	-6.85	-0.0027	PASS
					40	-2.19	-0.00086	PASS
					50	-7.10	-0.0028	PASS
			HCH	VN	-30	-0.63	-0.00025	PASS
					-20	-3.28	-0.00128	PASS
					-10	-21.21	-0.00826	PASS
					0	-7.42	-0.00289	PASS
					10	-4.19	-0.00163	PASS
					20	-4.22	-0.00164	PASS
					30	-2.57	-0.001	PASS
					40	-5.02	-0.00196	PASS
					50	-2.46	-0.00096	PASS
		10	LCH	VN	-30	5.72	0.00228	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	6.28	0.00251	PASS
					-10	4.41	0.00176	PASS
					0	3.39	0.00135	PASS
					10	1.60	0.00064	PASS
					20	1.57	0.00063	PASS
					30	2.25	0.0009	PASS
					40	-1.30	-0.00052	PASS
					50	2.13	0.00085	PASS
			MCH	VN	-30	-3.66	-0.00144	PASS
					-20	-14.39	-0.00568	PASS
					-10	-2.45	-0.00097	PASS
					0	-4.69	-0.00185	PASS
					10	1.22	0.00048	PASS
					20	0.06	0.00002	PASS
					30	-11.29	-0.00445	PASS
					40	-9.18	-0.00362	PASS
					50	-0.03	-0.00001	PASS
			HCH	VN	-30	0.87	0.00034	PASS
					-20	-2.83	-0.0011	PASS
					-10	-1.60	-0.00062	PASS
					0	-2.83	-0.0011	PASS
					10	-16.87	-0.00658	PASS
					20	-4.09	-0.00159	PASS
					30	-7.85	-0.00306	PASS
					40	-2.32	-0.0009	PASS
					50	-9.77	-0.00381	PASS
		15	LCH	VN	-30	2.06	0.00082	PASS
					-20	0.49	0.0002	PASS
					-10	2.90	0.00116	PASS
					0	1.72	0.00069	PASS
					10	3.33	0.00133	PASS
					20	1.42	0.00057	PASS
					30	0.84	0.00033	PASS
					40	0.06	0.00002	PASS
					50	-0.84	-0.00033	PASS
			MCH	VN	-30	-11.17	-0.00441	PASS
					-20	-4.28	-0.00169	PASS
					-10	-2.62	-0.00103	PASS
					0	-10.51	-0.00415	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-9.51	-0.00375	PASS
					20	0.29	0.00011	PASS
					30	-12.04	-0.00475	PASS
					40	-1.43	-0.00056	PASS
					50	-11.92	-0.0047	PASS
			HCH	VN	-30	0.31	0.00012	PASS
					-20	0.49	0.00019	PASS
					-10	0.57	0.00022	PASS
					0	-0.69	-0.00027	PASS
					10	-0.79	-0.00031	PASS
					20	0.80	0.00031	PASS
					30	0.24	0.00009	PASS
					40	-0.83	-0.00032	PASS
					50	-0.13	-0.00005	PASS
		20	LCH	VN	-30	0.99	0.00039	PASS
					-20	0.50	0.0002	PASS
					-10	-0.17	-0.00007	PASS
					0	-1.09	-0.00043	PASS
					10	-1.17	-0.00047	PASS
					20	0.56	0.00022	PASS
					30	-0.67	-0.00027	PASS
					40	-0.53	-0.00021	PASS
					50	-1.77	-0.00071	PASS
			MCH	VN	-30	-5.05	-0.00199	PASS
					-20	-3.66	-0.00144	PASS
					-10	-4.78	-0.00189	PASS
					0	-3.59	-0.00142	PASS
					10	-1.59	-0.00063	PASS
					20	-3.28	-0.00129	PASS
					30	-1.99	-0.00079	PASS
					40	0.13	0.00005	PASS
					50	-1.96	-0.00077	PASS
			HCH	VN	-30	4.92	0.00192	PASS
					-20	2.63	0.00103	PASS
					-10	3.66	0.00143	PASS
					0	2.02	0.00079	PASS
					10	2.52	0.00098	PASS
					20	1.24	0.00048	PASS
					30	0.73	0.00029	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5			40	2.89	0.00113	PASS
					50	1.72	0.00067	PASS
			LCH	VN	-30	-0.11	-0.00004	PASS
					-20	0.41	0.00016	PASS
					-10	1.75	0.0007	PASS
					0	0.50	0.0002	PASS
					10	0.73	0.00029	PASS
					20	-1.30	-0.00052	PASS
					30	0.77	0.00031	PASS
					40	0.21	0.00008	PASS
					50	1.00	0.0004	PASS
			MCH	VN	-30	-5.68	-0.00224	PASS
					-20	-1.39	-0.00055	PASS
					-10	-26.02	-0.01026	PASS
					0	1.73	0.00068	PASS
					10	-30.77	-0.01214	PASS
					20	-2.29	-0.0009	PASS
					30	-2.40	-0.00095	PASS
					40	-7.24	-0.00286	PASS
					50	2.05	0.00081	PASS
			HCH	VN	-30	-5.87	-0.00229	PASS
					-20	-4.35	-0.00169	PASS
					-10	-2.20	-0.00086	PASS
					0	-4.62	-0.0018	PASS
					10	-2.29	-0.00089	PASS
					20	-0.27	-0.00011	PASS
					30	1.03	0.0004	PASS
					40	-2.39	-0.00093	PASS
					50	-3.76	-0.00146	PASS
		10	LCH	VN	-30	4.42	0.00176	PASS
					-20	2.86	0.00114	PASS
					-10	1.50	0.0006	PASS
					0	3.50	0.0014	PASS
					10	1.89	0.00075	PASS
					20	-0.41	-0.00016	PASS
					30	2.99	0.00119	PASS
					40	-1.22	-0.00049	PASS
					50	2.66	0.00106	PASS
			MCH	VN	-30	-2.79	-0.0011	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-3.81	-0.0015	PASS
					-10	1.06	0.00042	PASS
					0	0.39	0.00015	PASS
					10	1.90	0.00075	PASS
					20	1.65	0.00065	PASS
					30	-14.72	-0.00581	PASS
					40	-1.34	-0.00053	PASS
					50	-2.09	-0.00082	PASS
			HCH	VN	-30	-2.82	-0.0011	PASS
					-20	-1.53	-0.0006	PASS
					-10	-2.33	-0.00091	PASS
					0	-0.84	-0.00033	PASS
					10	-11.52	-0.00449	PASS
					20	-10.16	-0.00396	PASS
					30	-1.00	-0.00039	PASS
					40	-1.12	-0.00044	PASS
					50	0.44	0.00017	PASS
		15	LCH	VN	-30	1.53	0.00061	PASS
					-20	5.79	0.00231	PASS
					-10	2.55	0.00102	PASS
					0	-1.43	-0.00057	PASS
					10	-0.09	-0.00004	PASS
					20	0.93	0.00037	PASS
					30	1.13	0.00045	PASS
					40	2.42	0.00097	PASS
					50	1.00	0.0004	PASS
			MCH	VN	-30	-11.72	-0.00462	PASS
					-20	-4.65	-0.00183	PASS
					-10	-10.99	-0.00434	PASS
					0	-12.25	-0.00483	PASS
					10	-2.26	-0.00089	PASS
					20	-2.53	-0.001	PASS
					30	-0.99	-0.00039	PASS
					40	-14.76	-0.00582	PASS
					50	-1.00	-0.00039	PASS
			HCH	VN	-30	-1.12	-0.00044	PASS
					-20	-0.39	-0.00015	PASS
					-10	-1.36	-0.00053	PASS
					0	0.50	0.0002	PASS