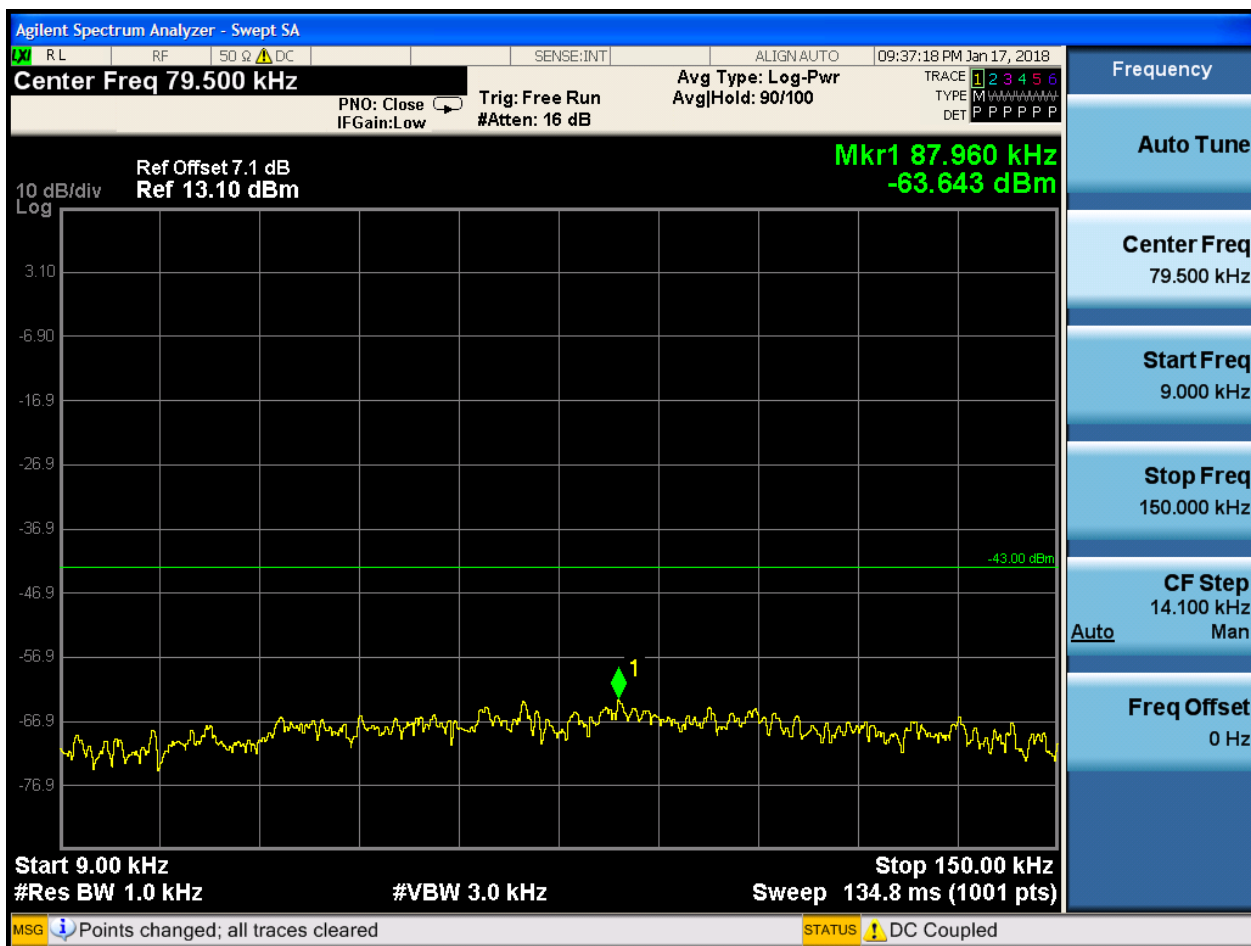
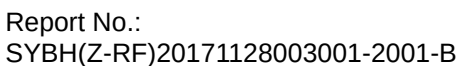


6.1.1.1.6.3 Test Channel = HCH

6.1.1.1.6.3.1 Test RB = RB1#0





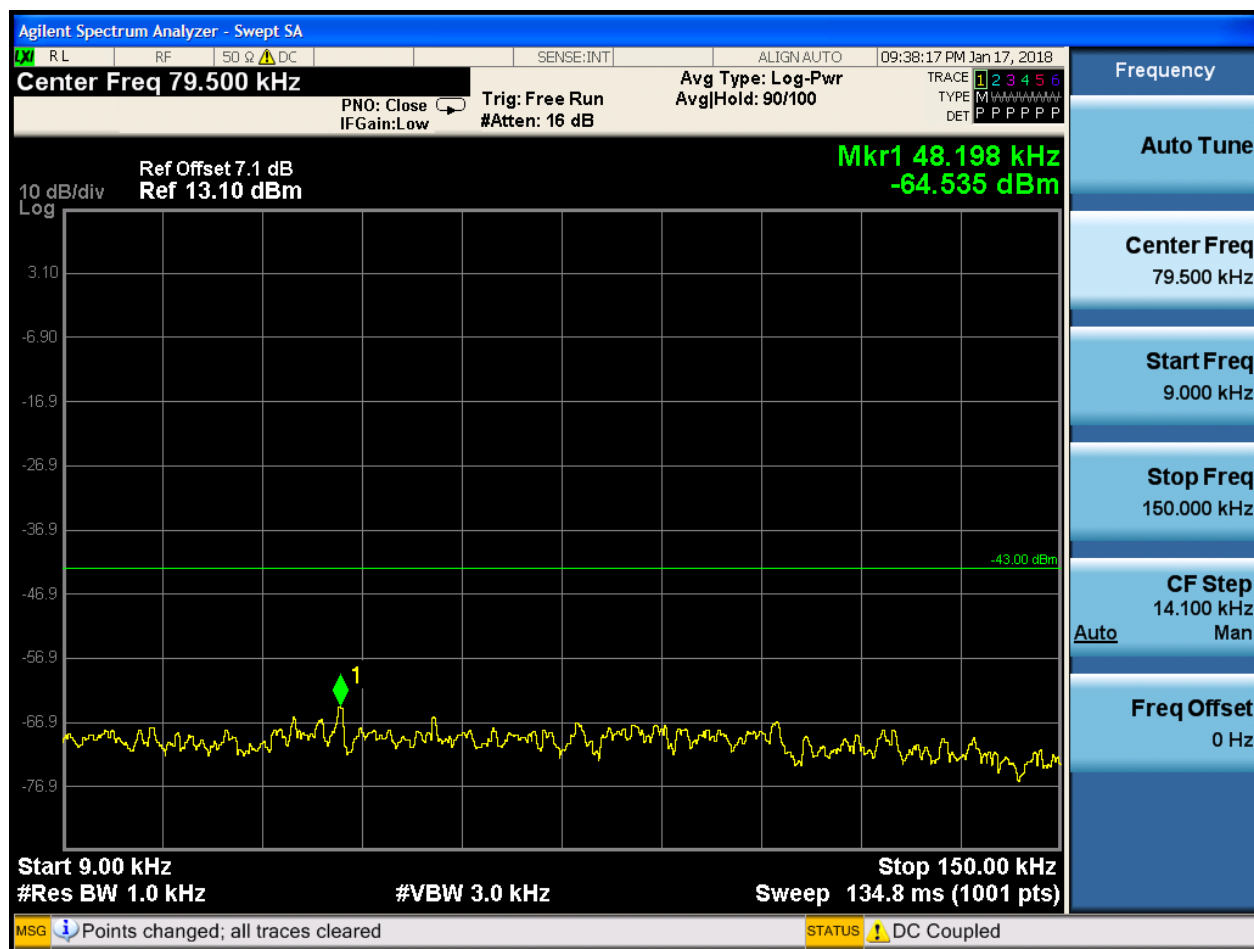


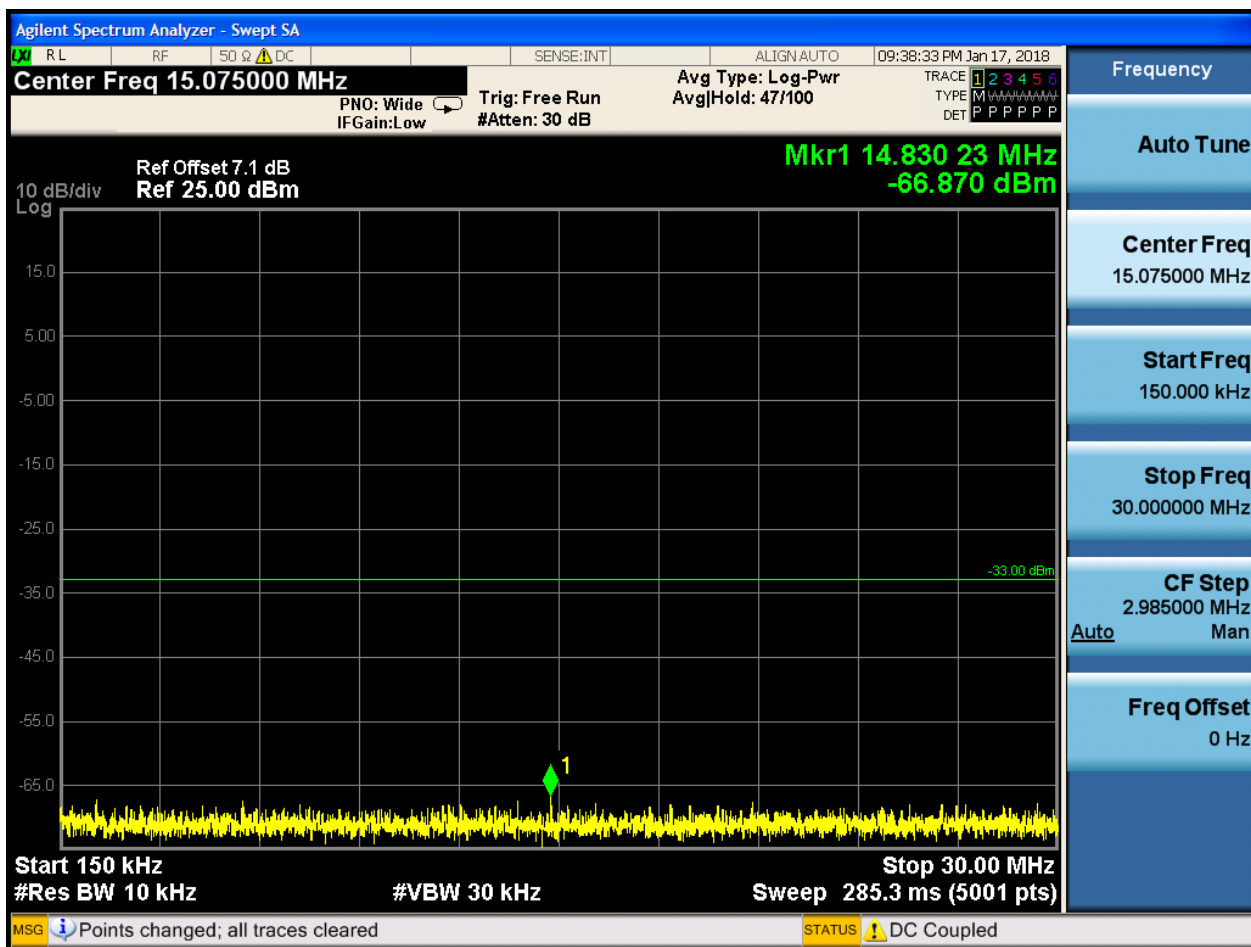
6.1.1.2 Test Mode = LTE/TM2

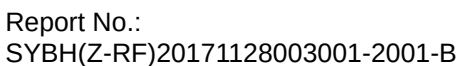
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

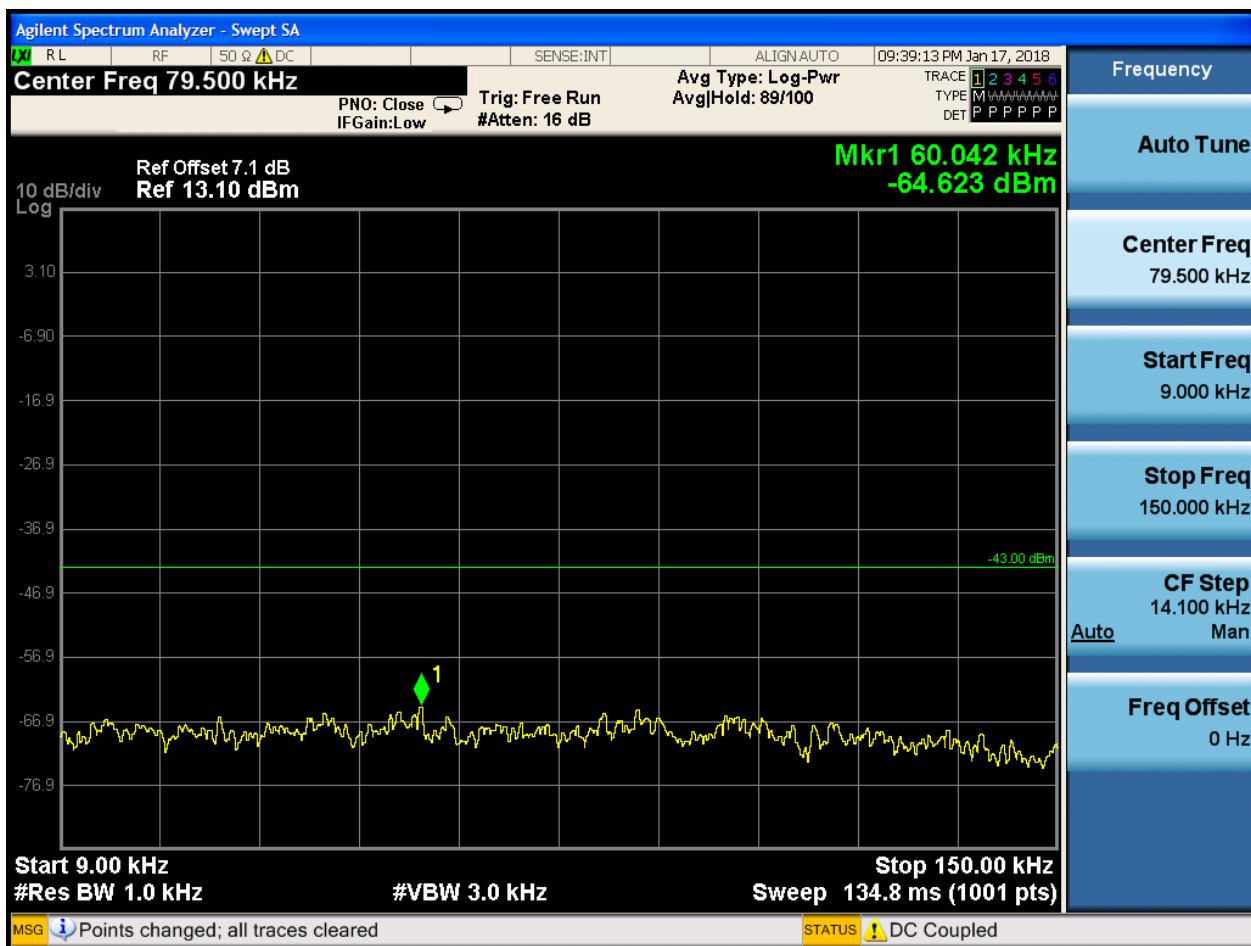


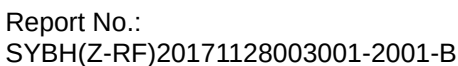


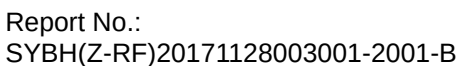


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

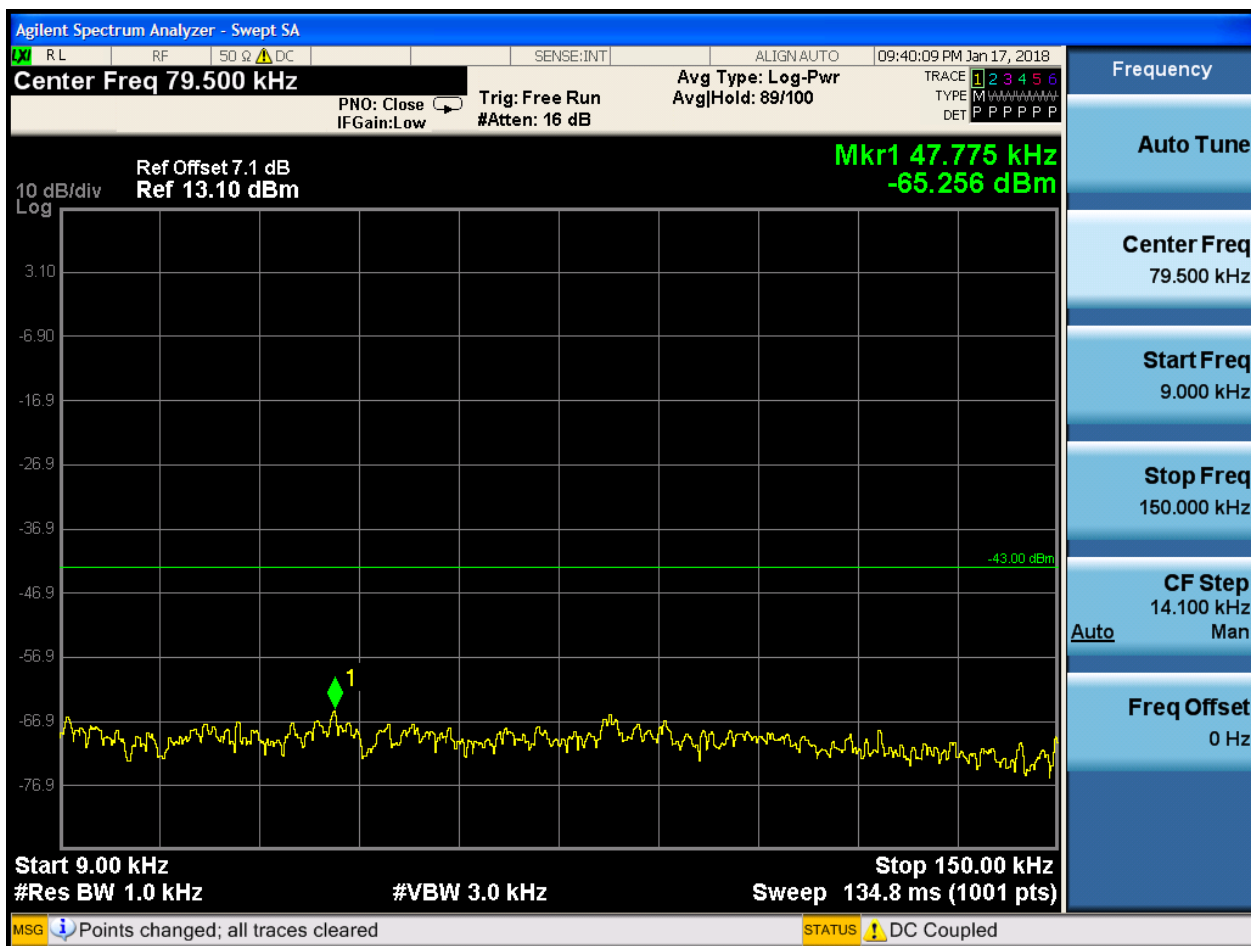


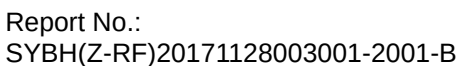


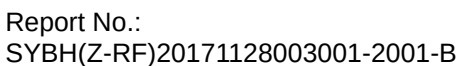


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



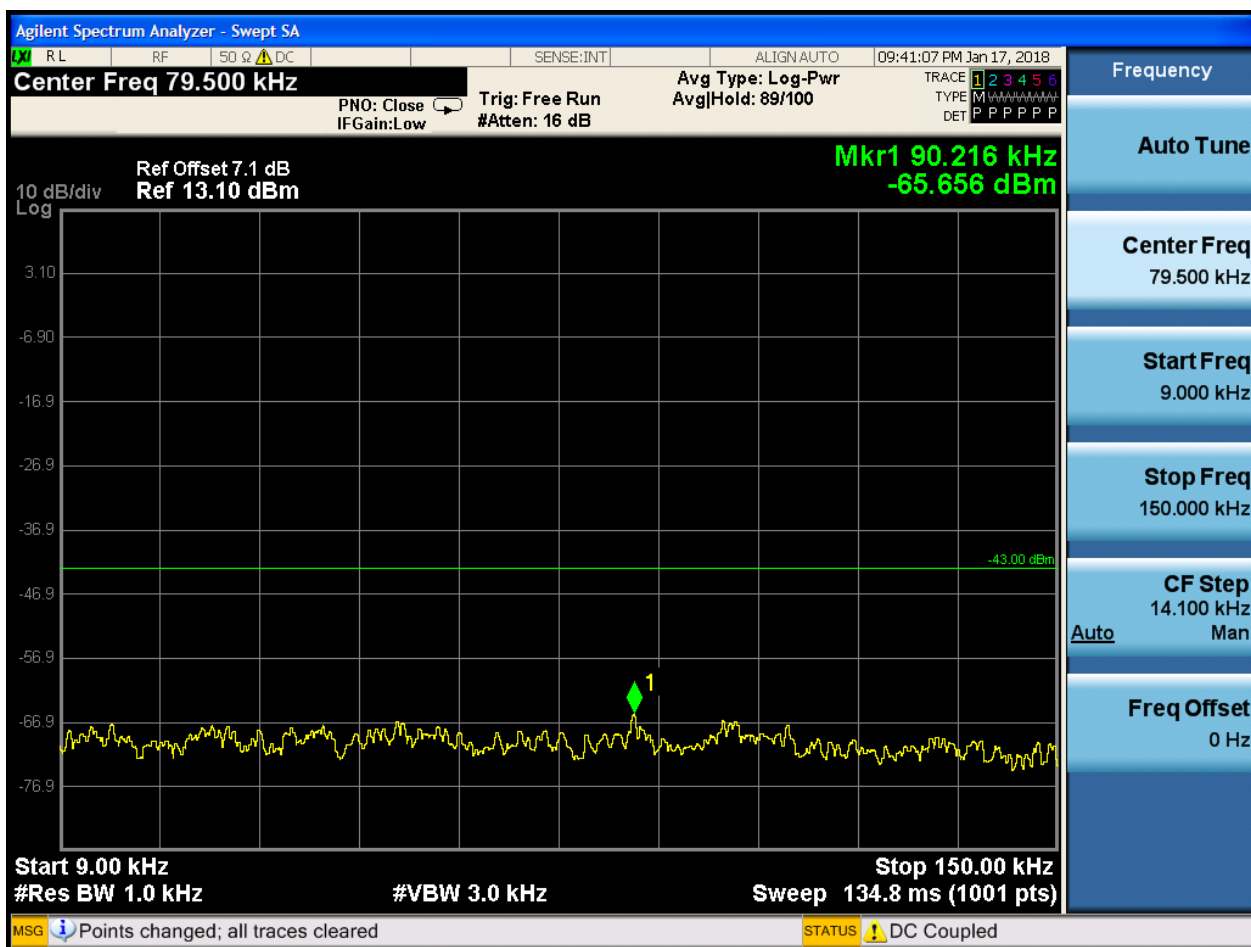


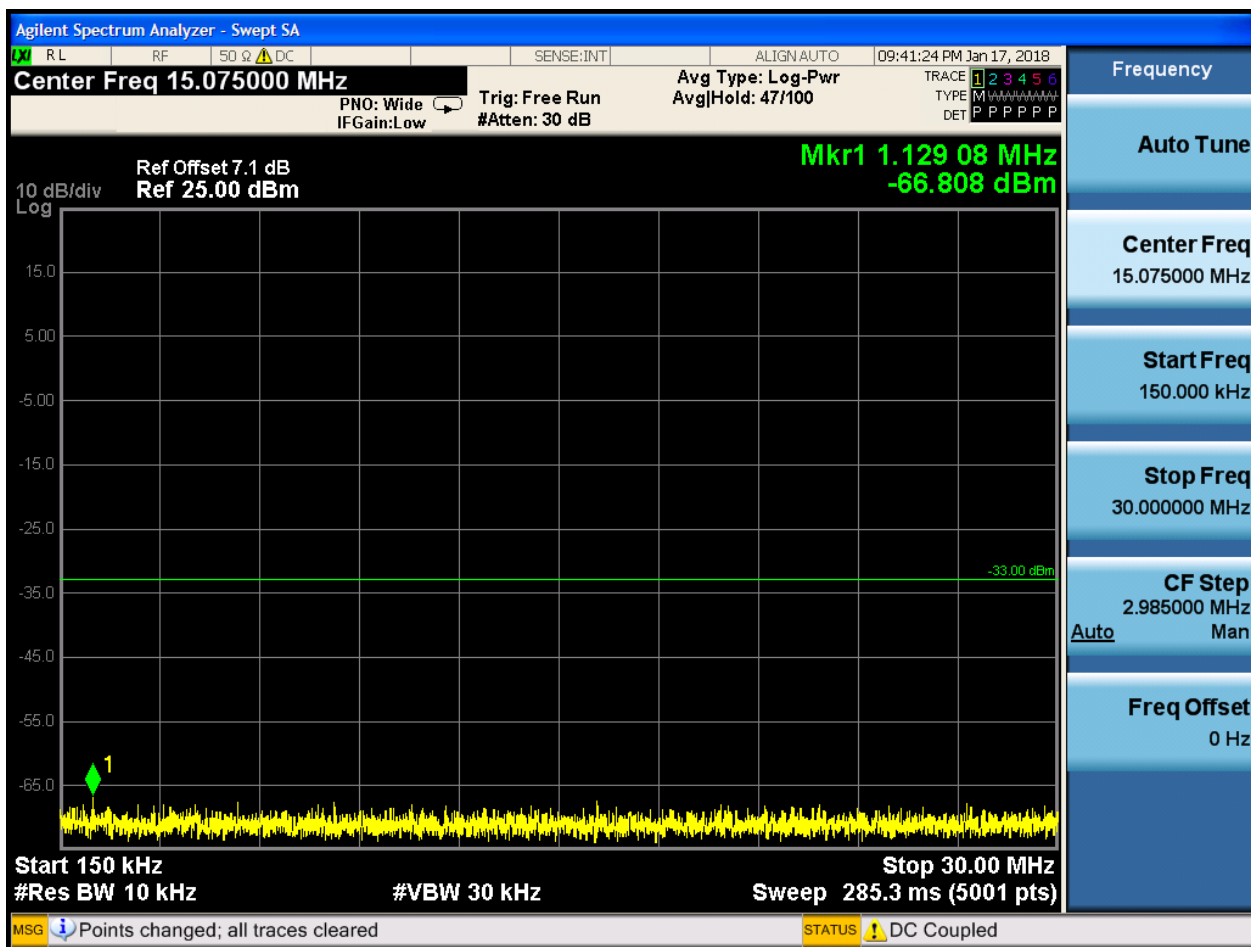


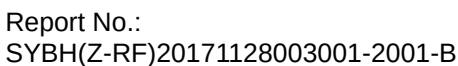
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

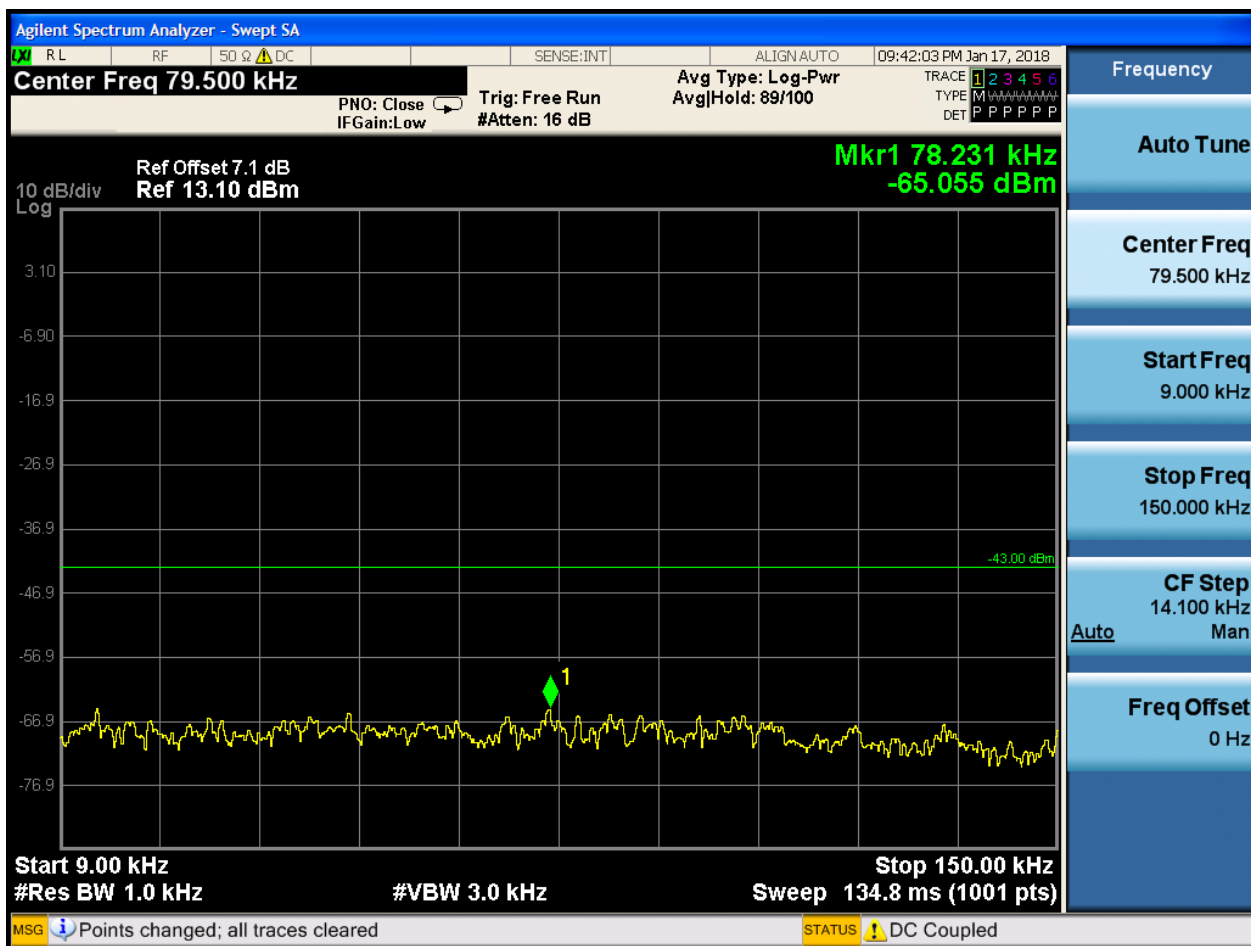




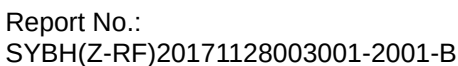


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

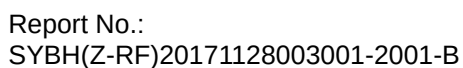


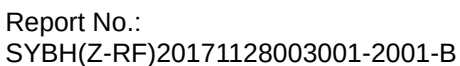


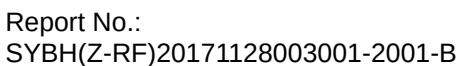




6.1.1.2.2.3.1 Test RB = RB1#0



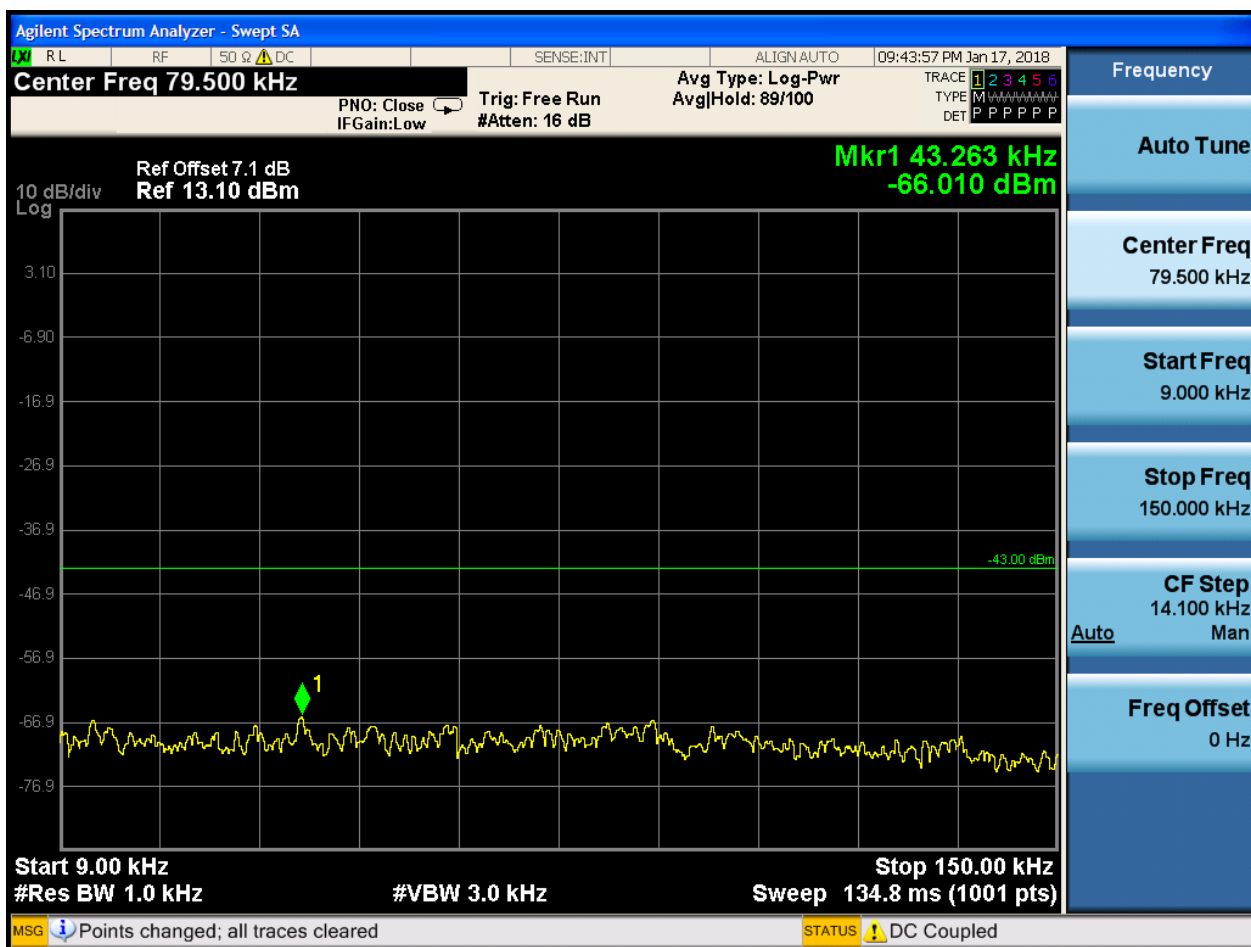


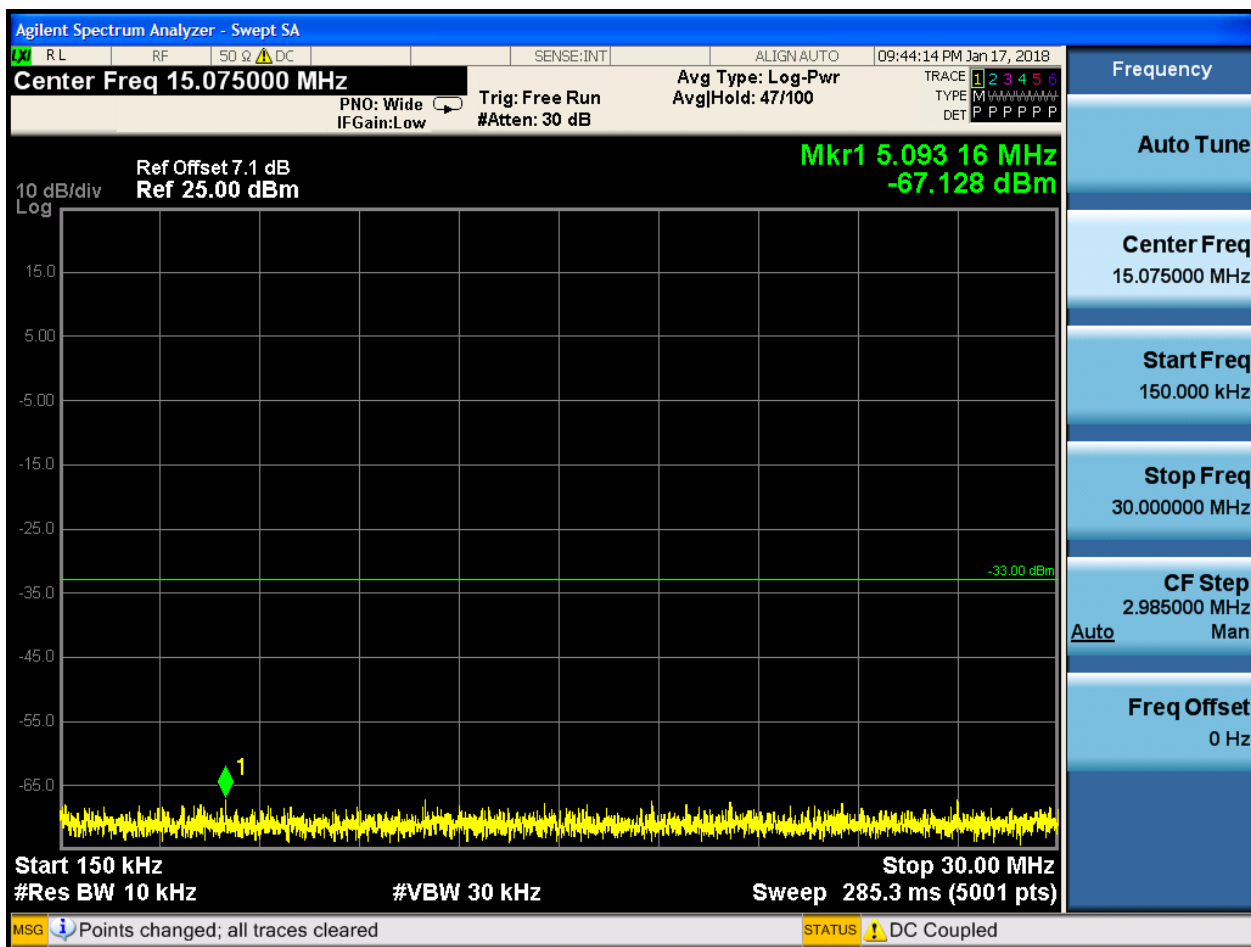


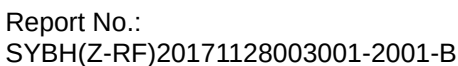
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

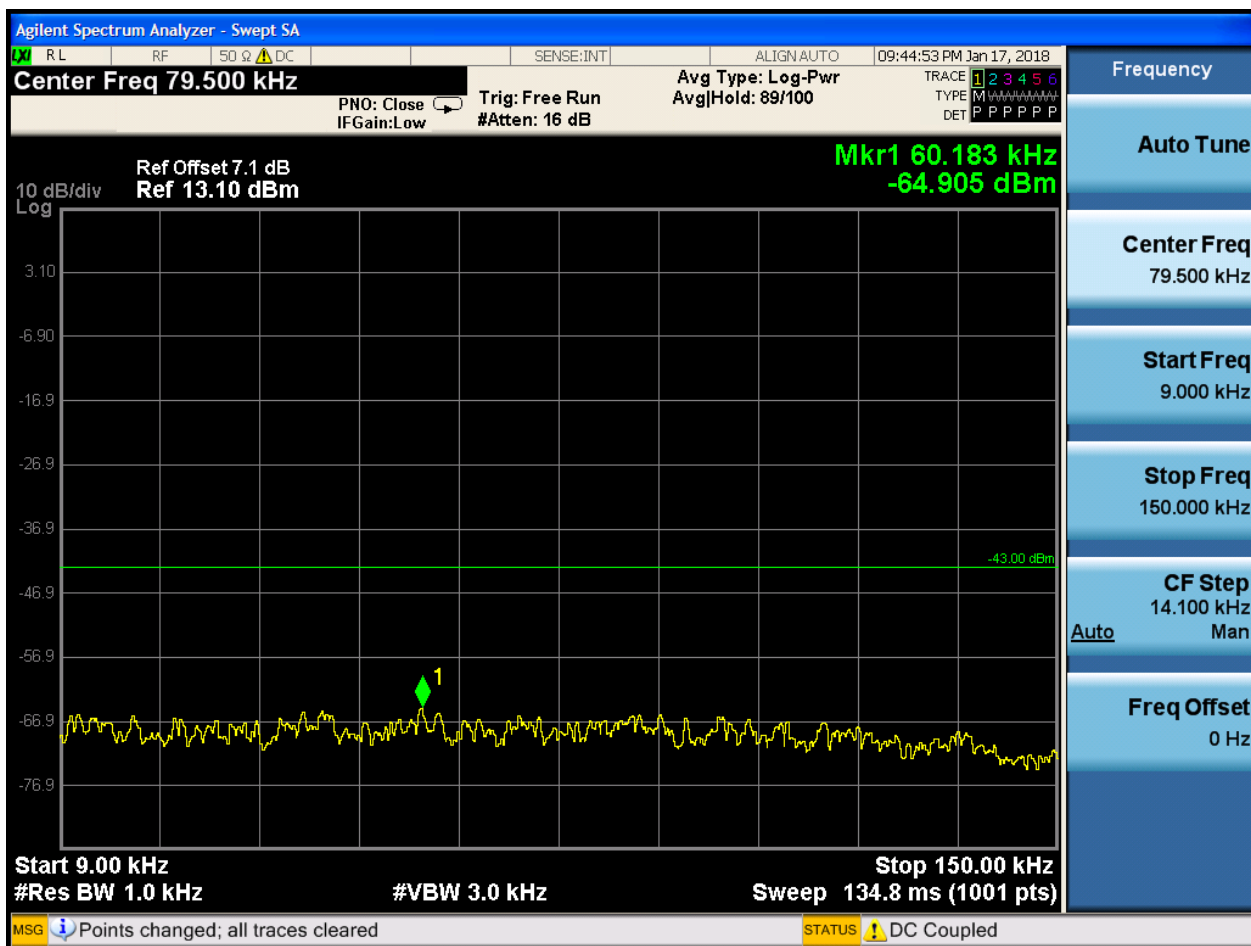


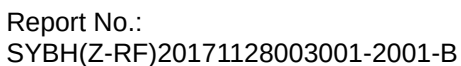


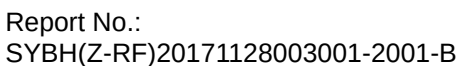


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

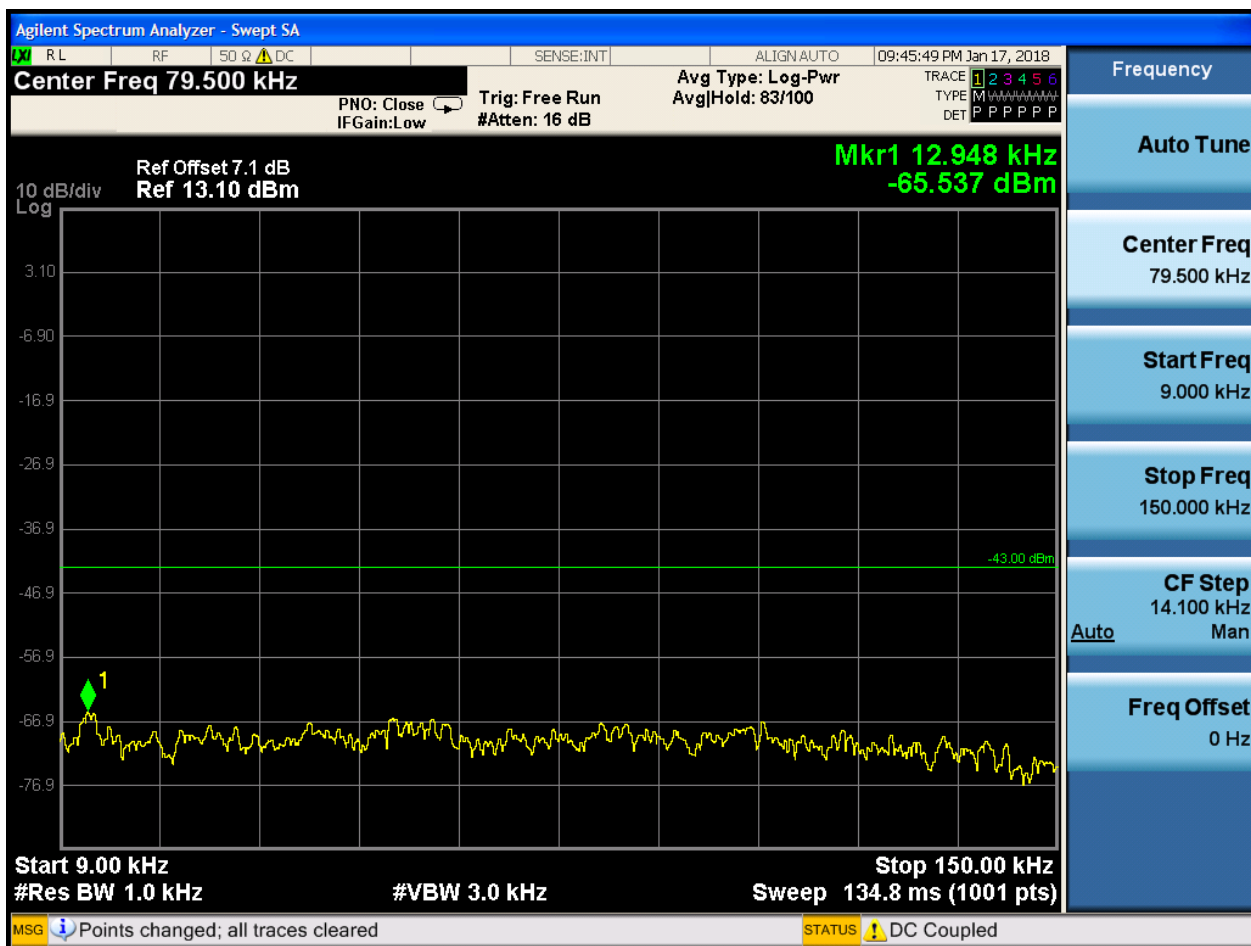


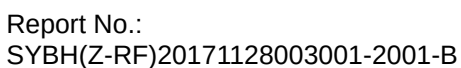


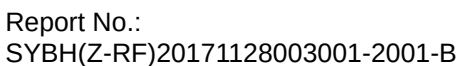


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



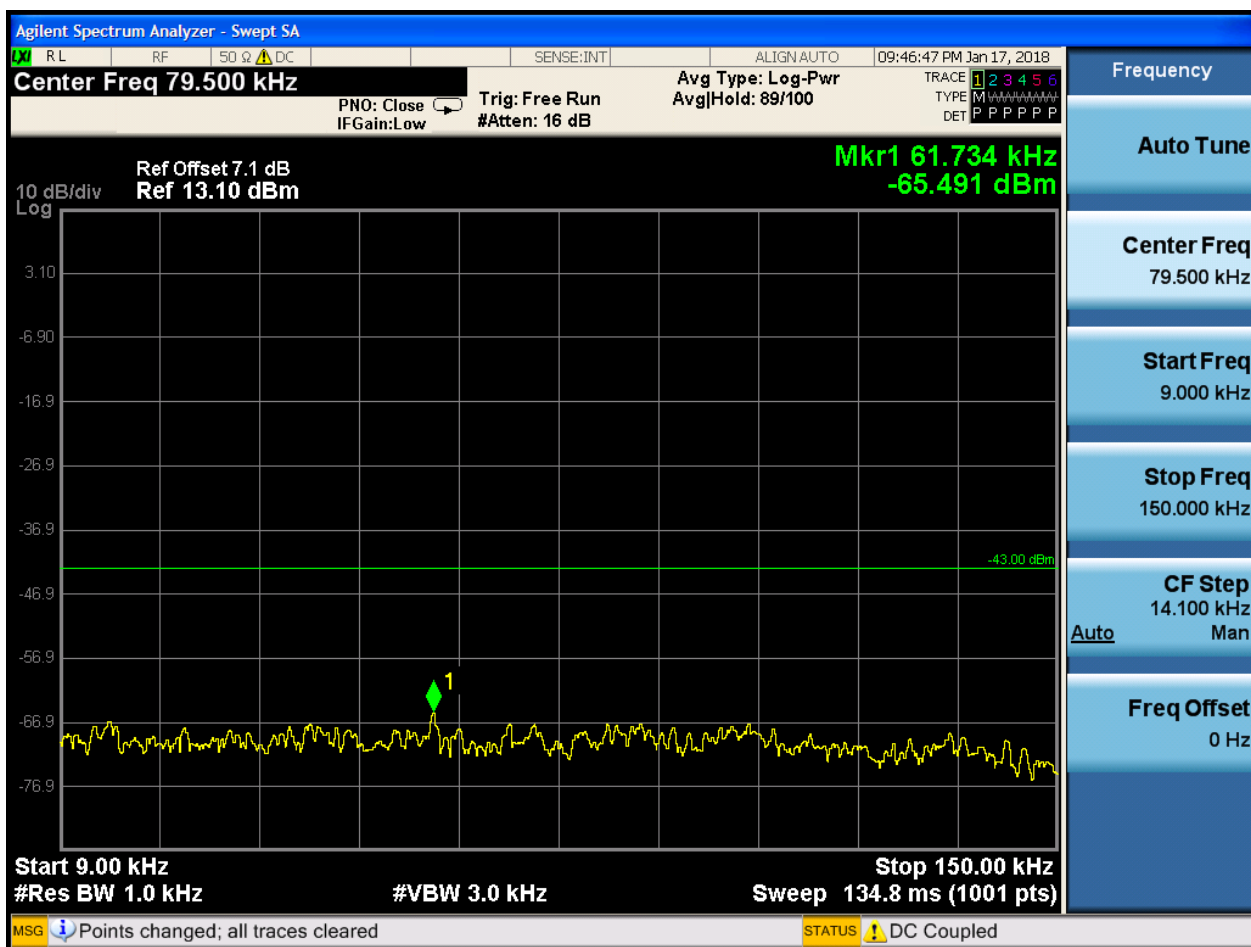


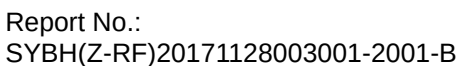


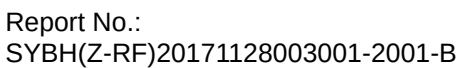
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

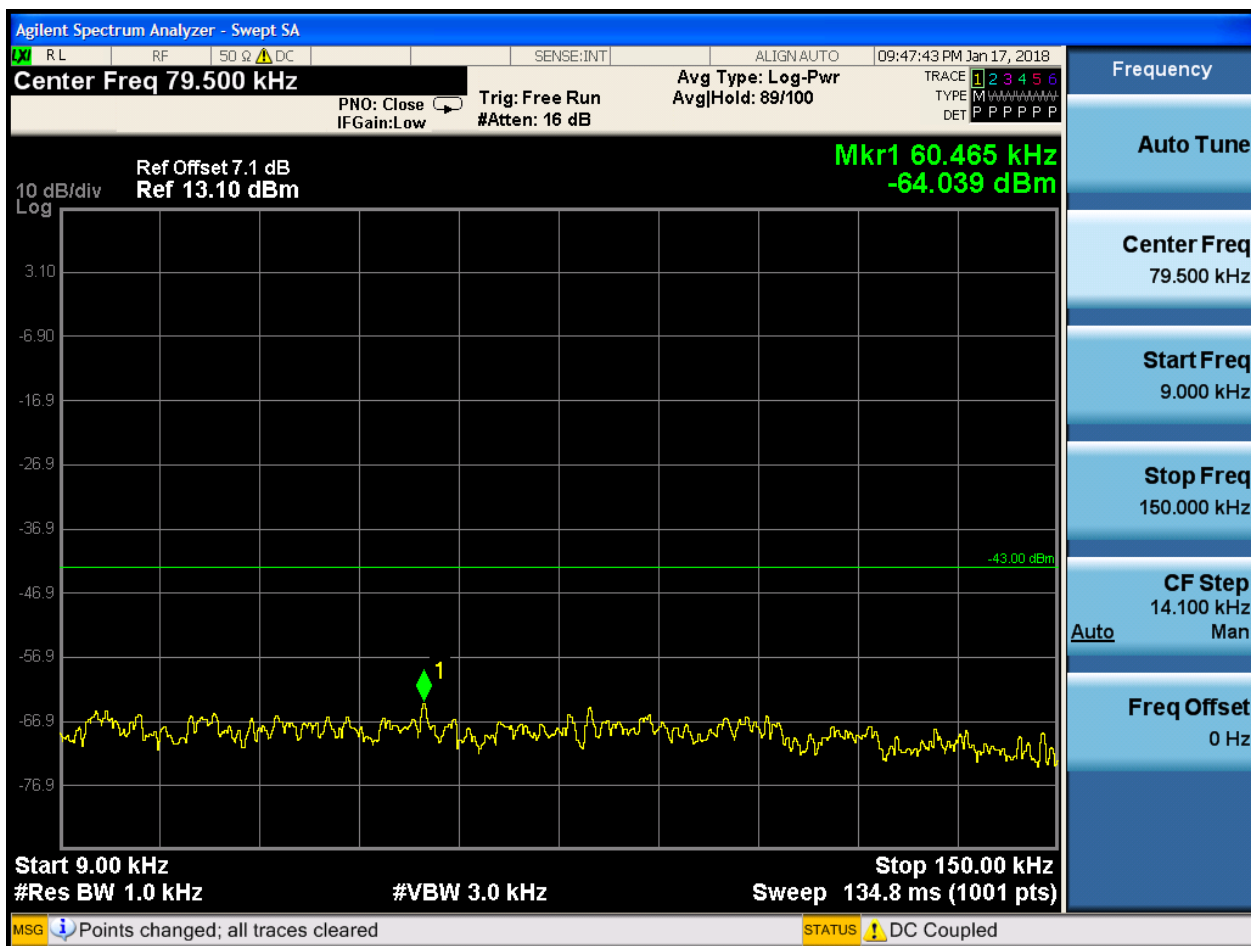


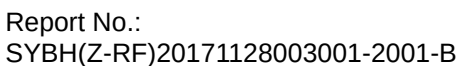


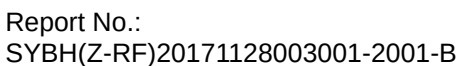


6.1.1.2.4.2 Test Channel = MCH

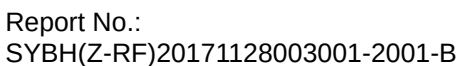
6.1.1.2.4.2.1 Test RB = RB1#0

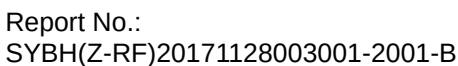








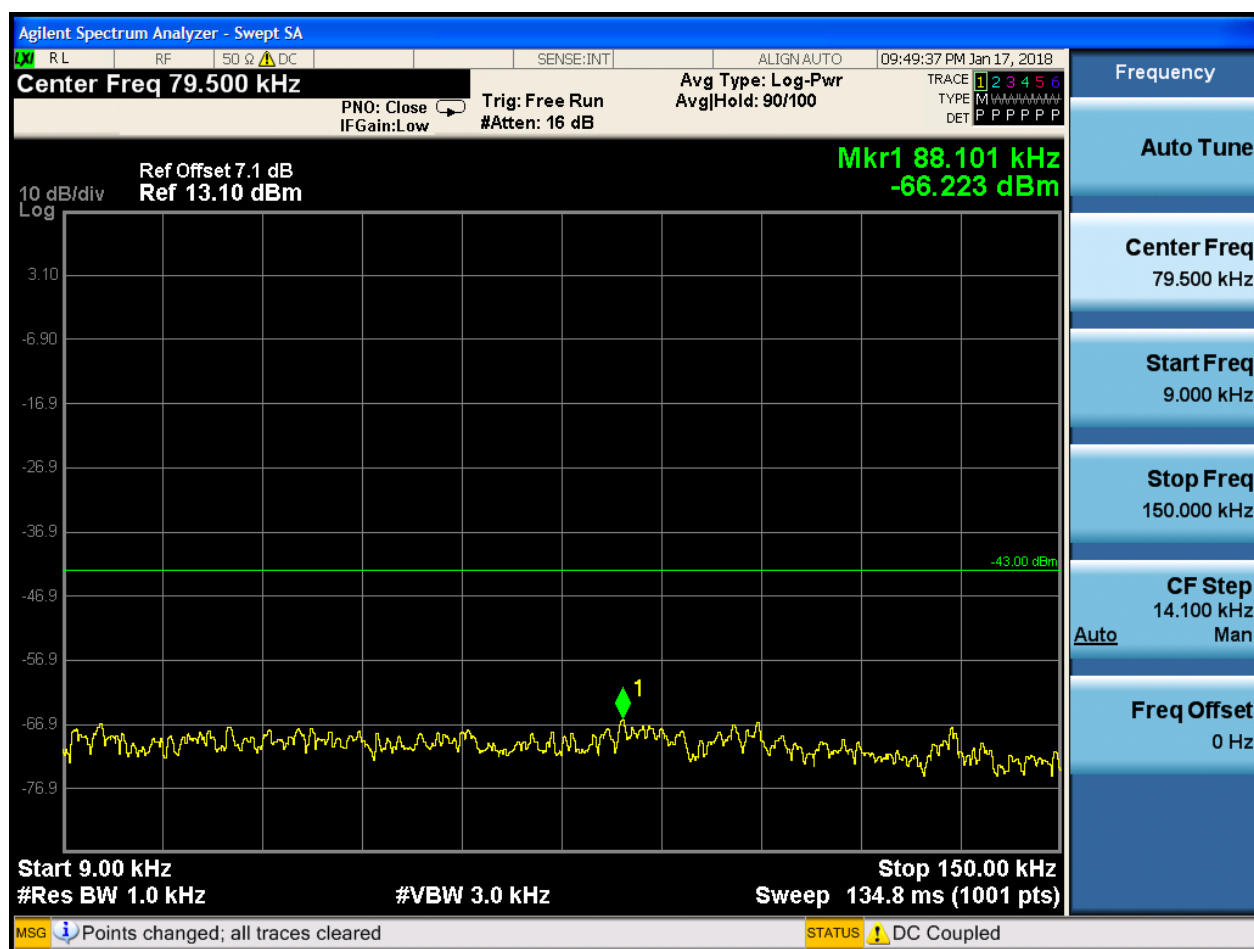


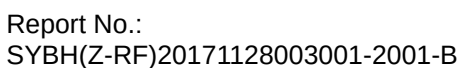


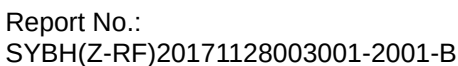
6.1.1.2.5 Test Bandwidth = 15

6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0

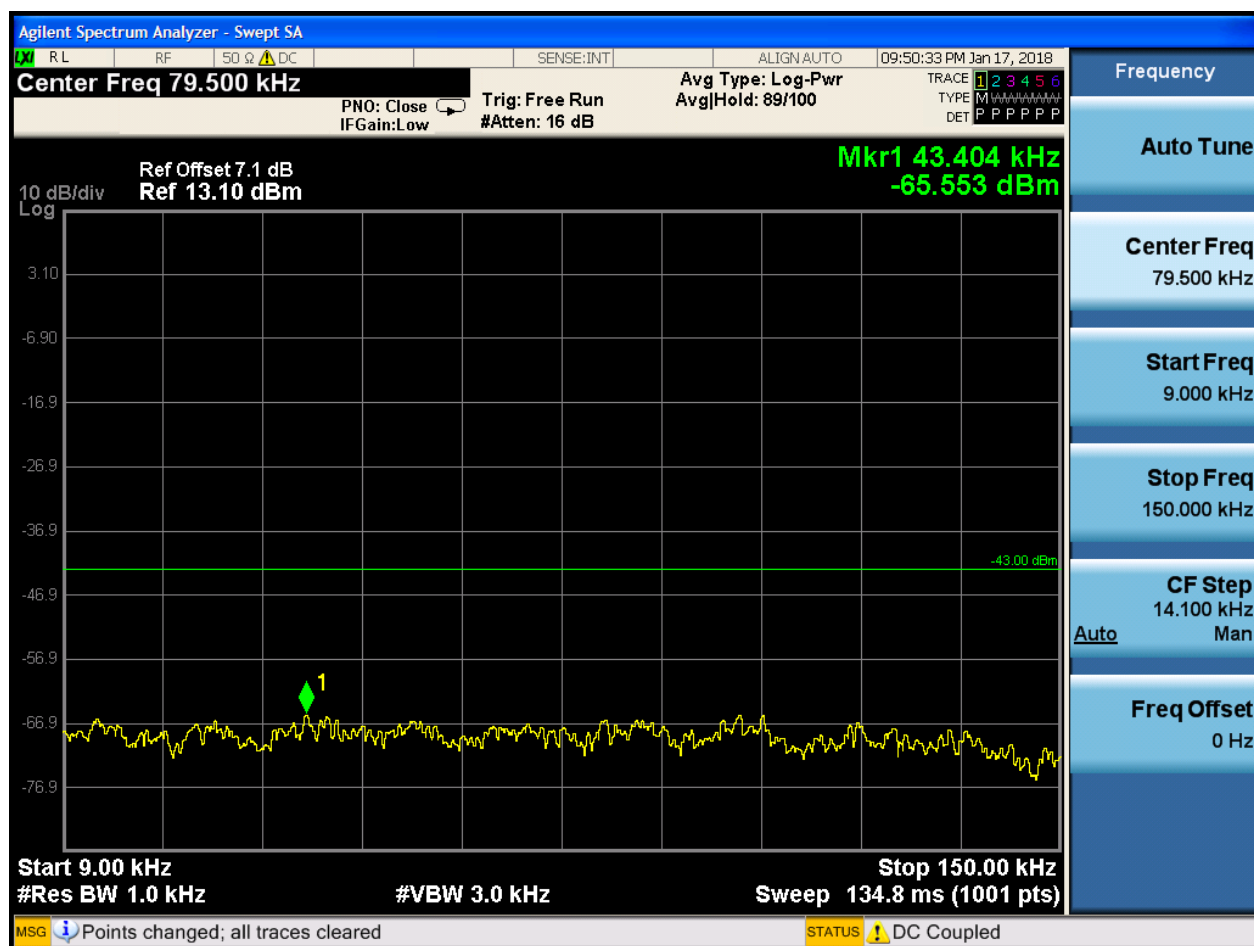


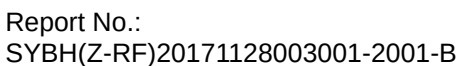


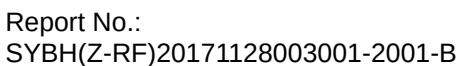


6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0

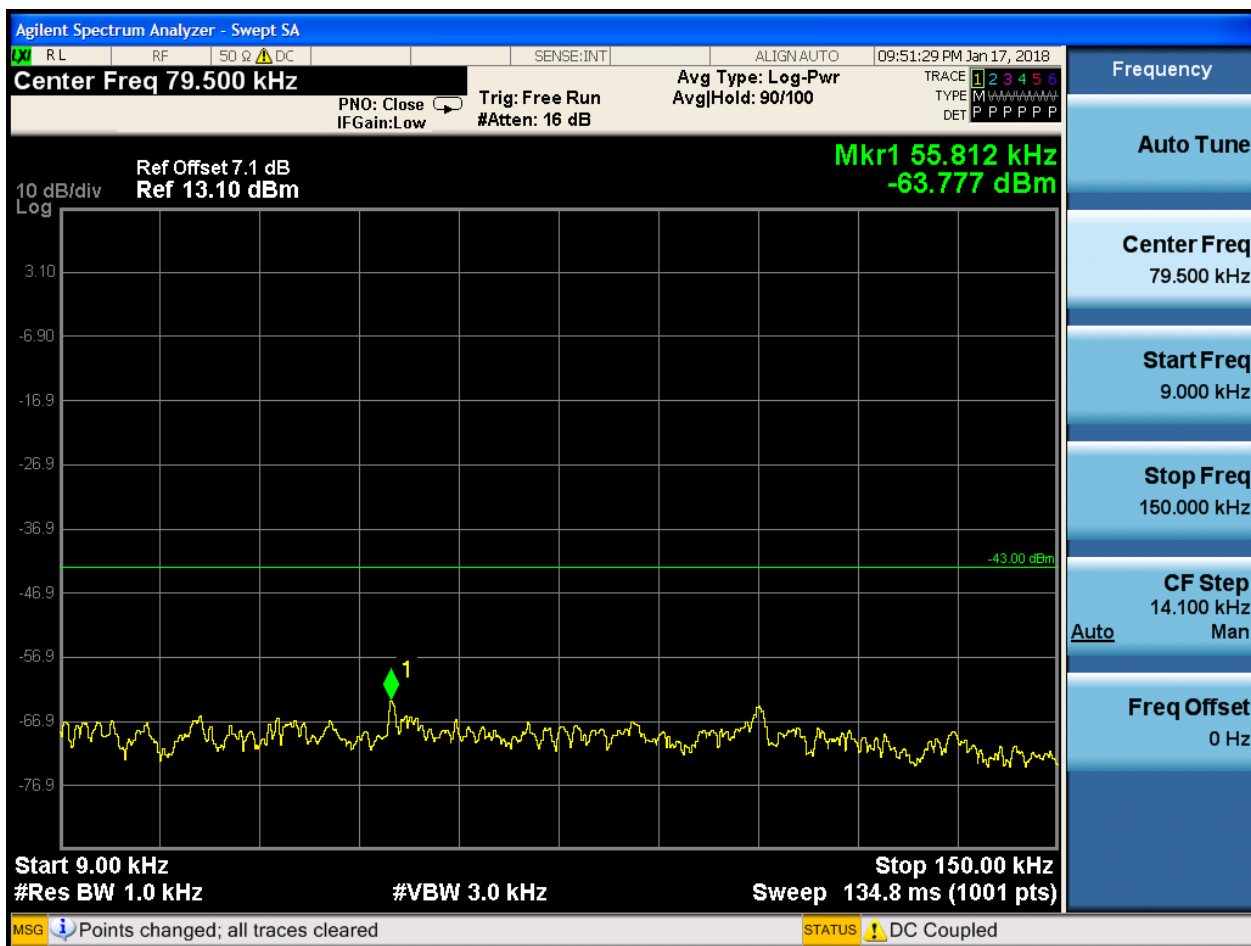


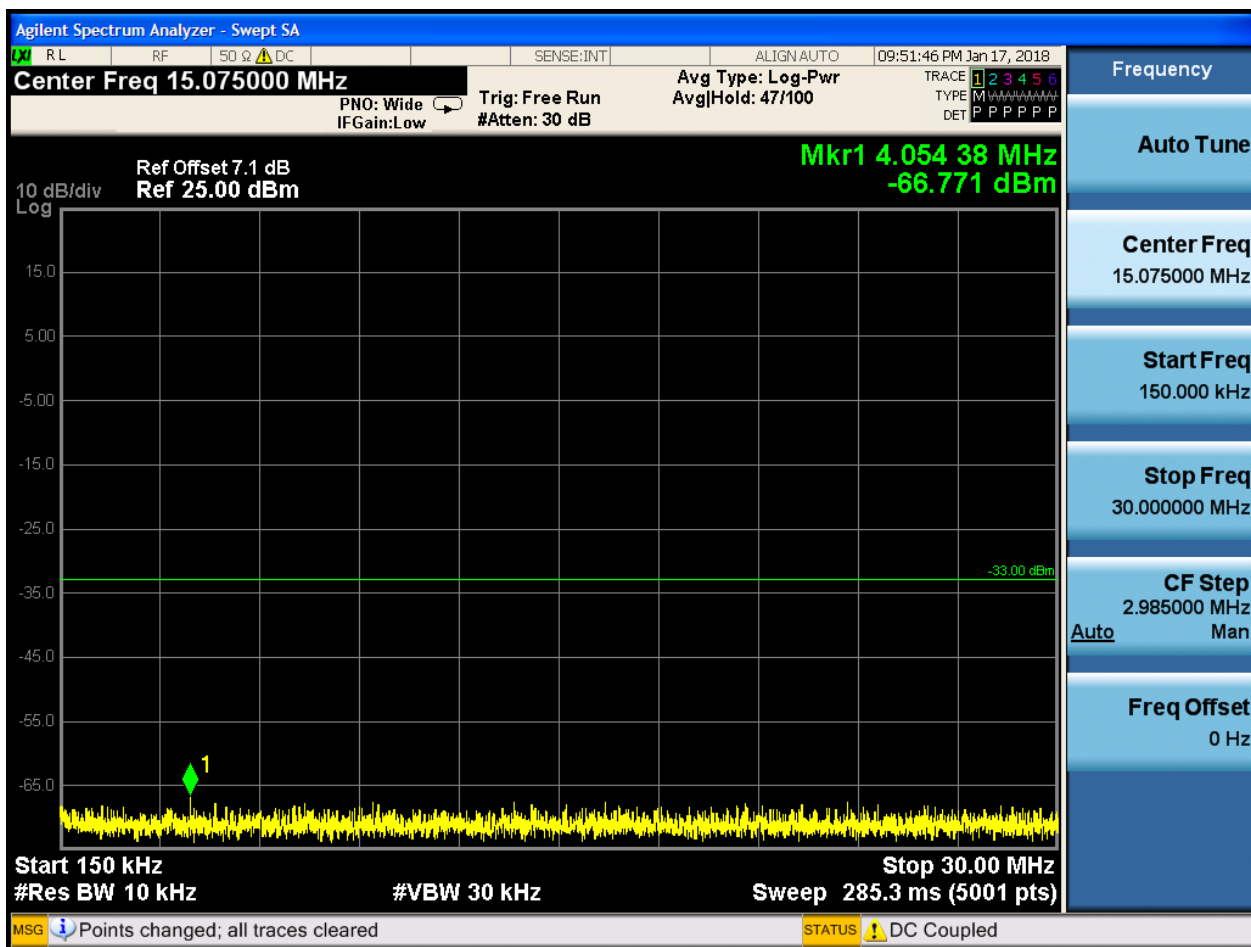


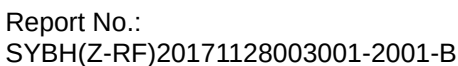


6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0



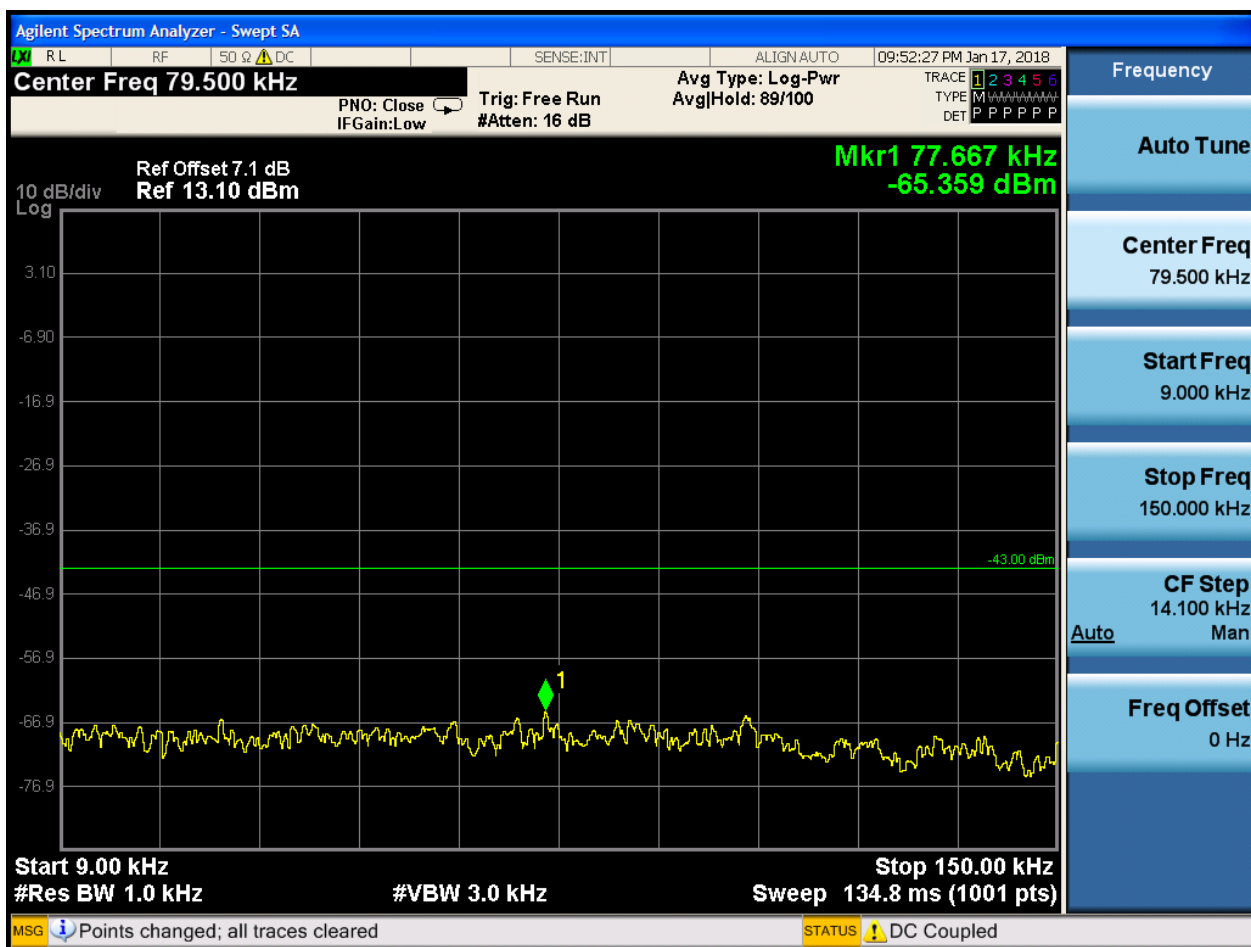


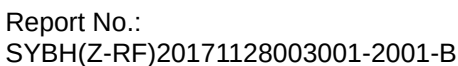


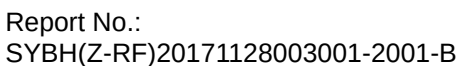
6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0

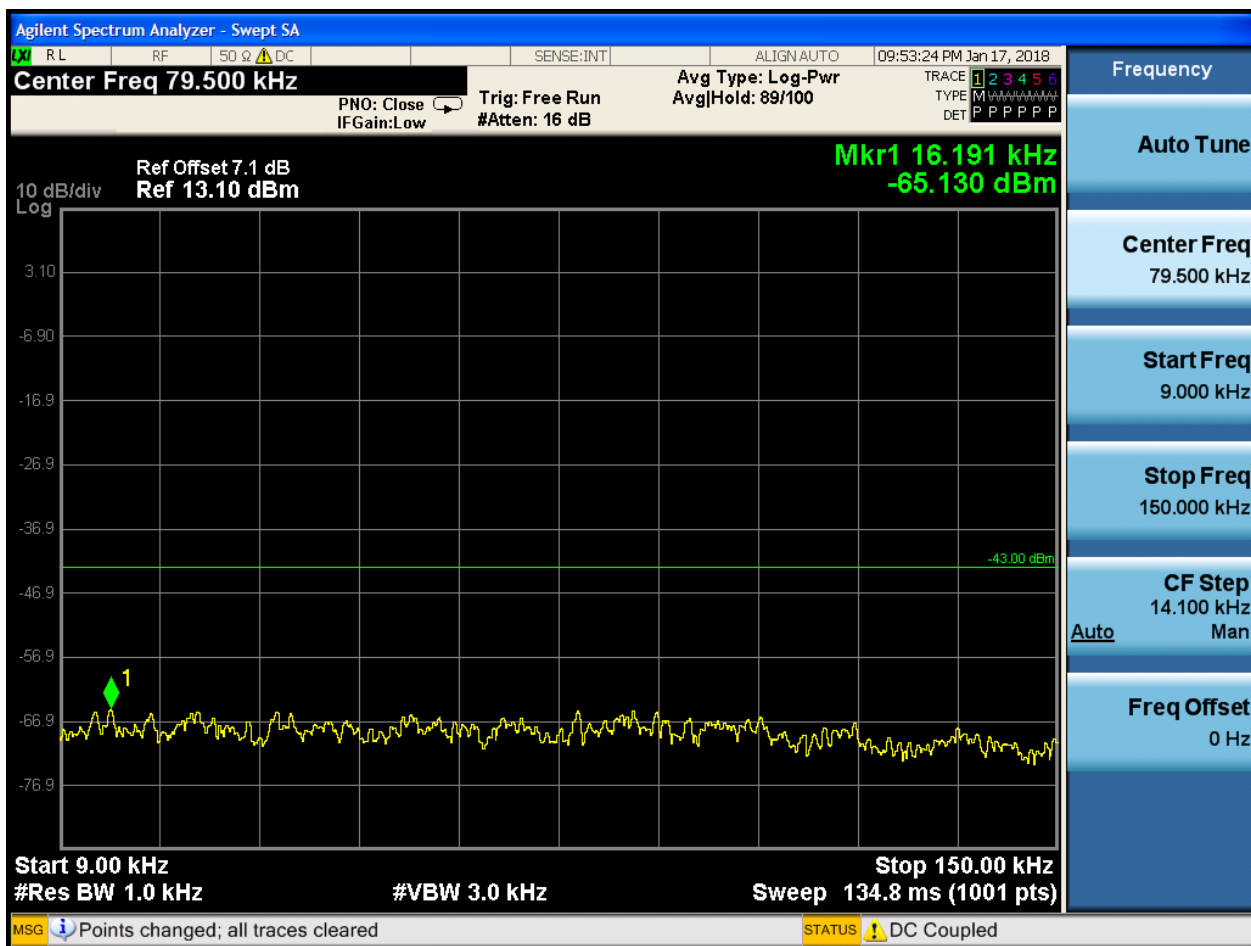


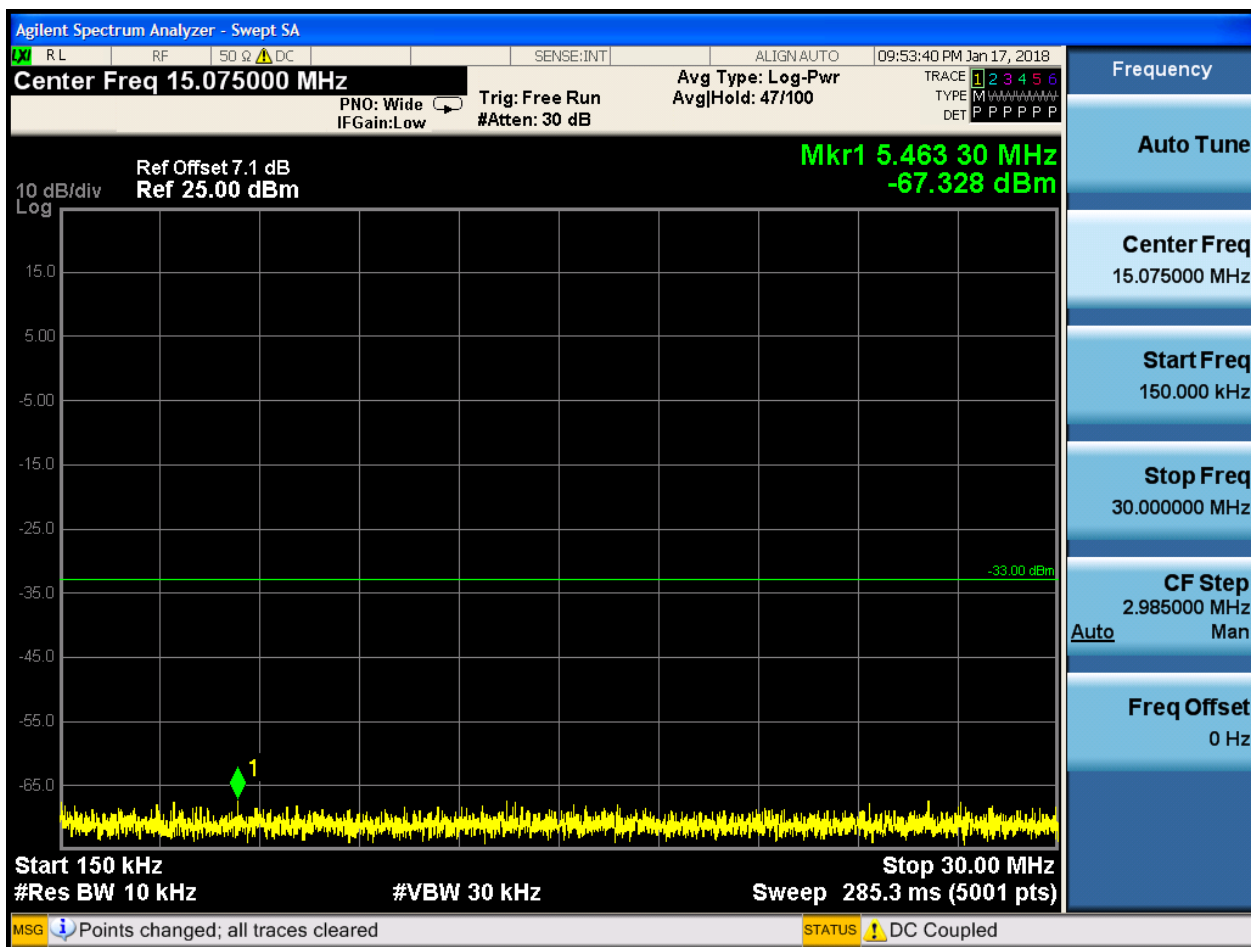


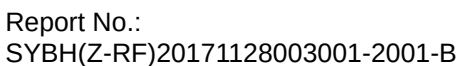


6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0

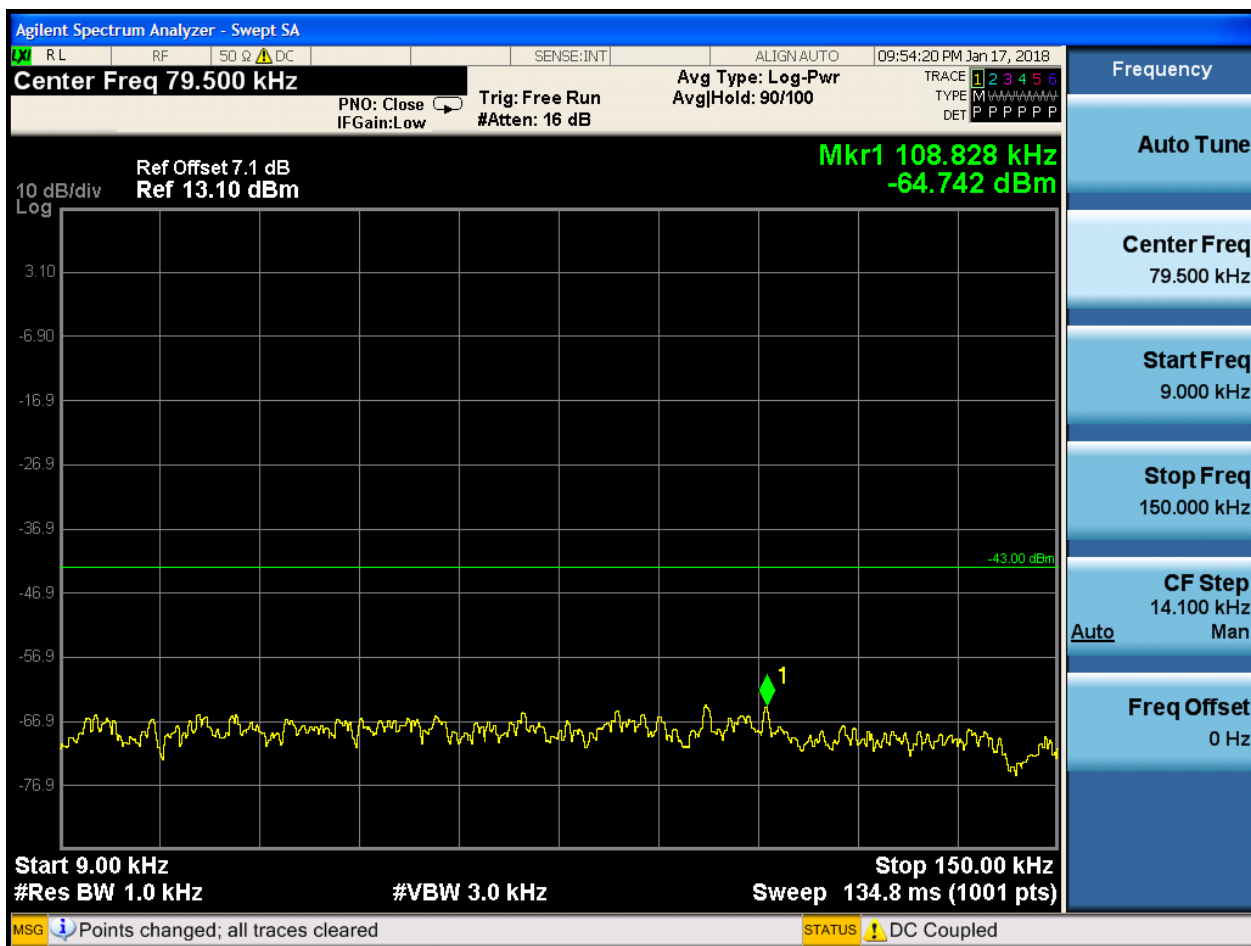


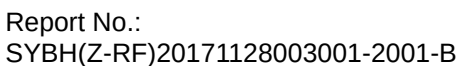




6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 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, 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

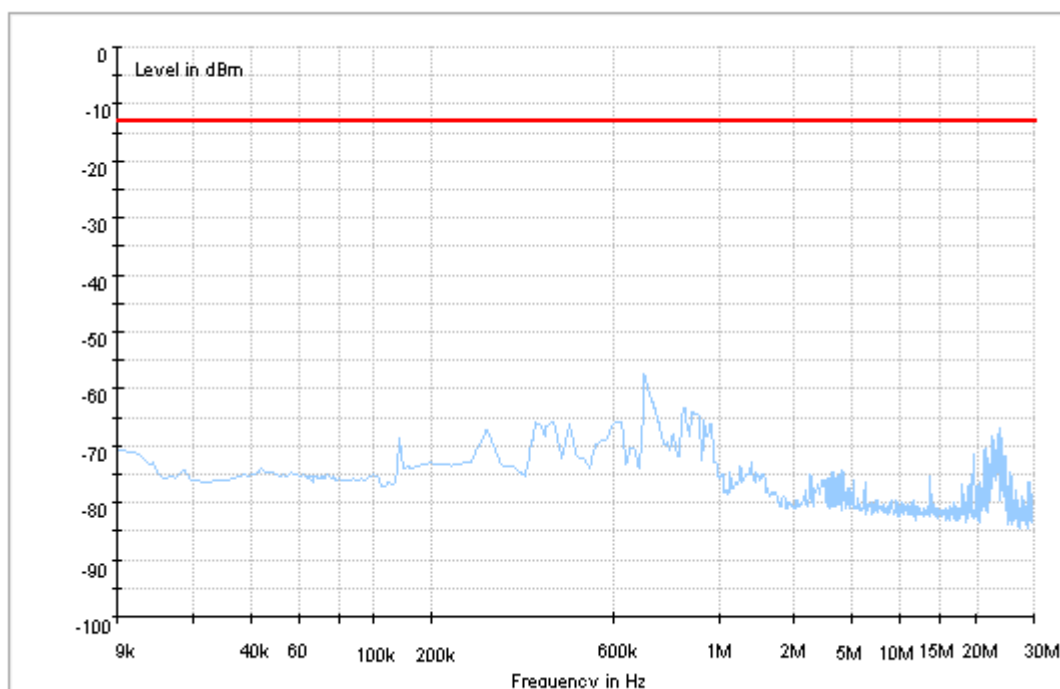
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

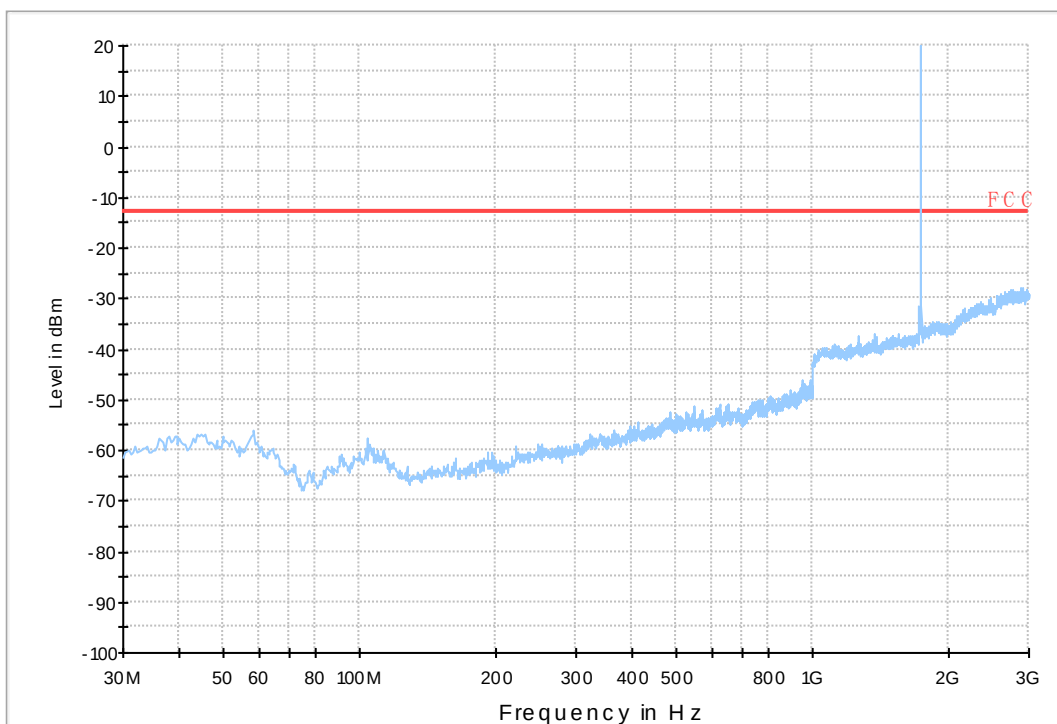
7.1 For LTE

7.1.1 Test Band = BAND2_ANT1

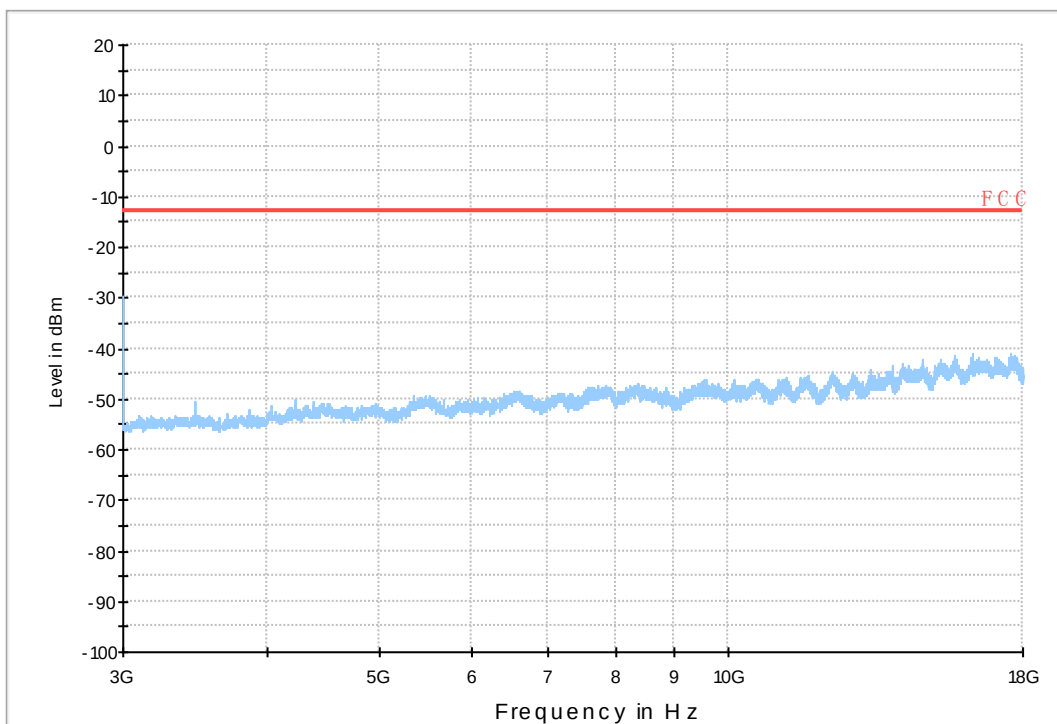
7.1.1.1 Test Bandwidth = 1.4



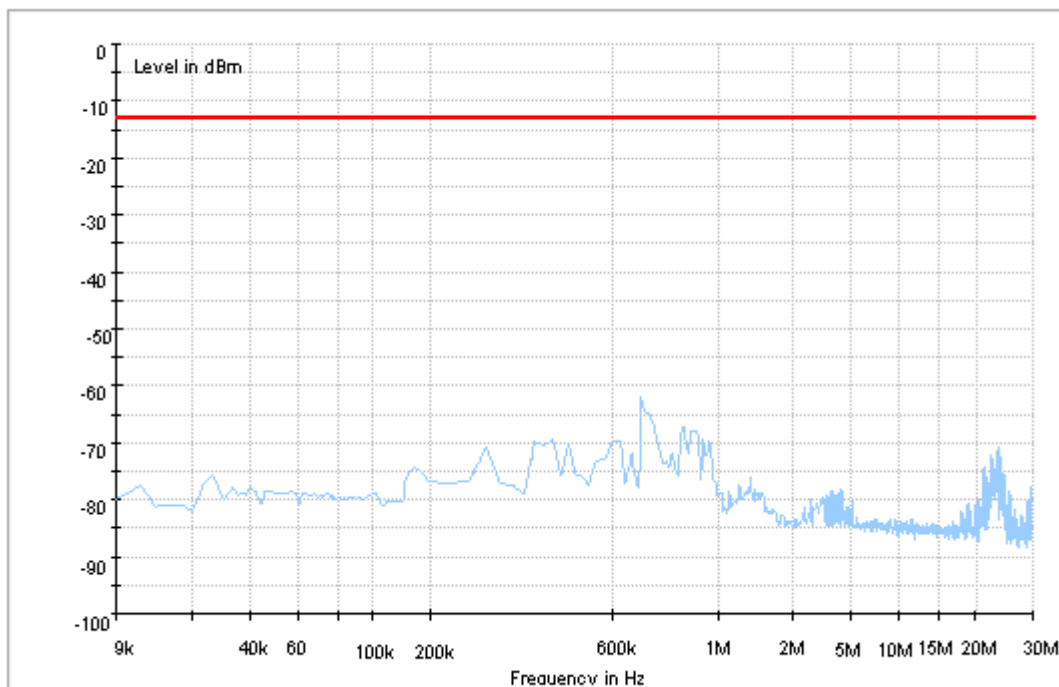
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



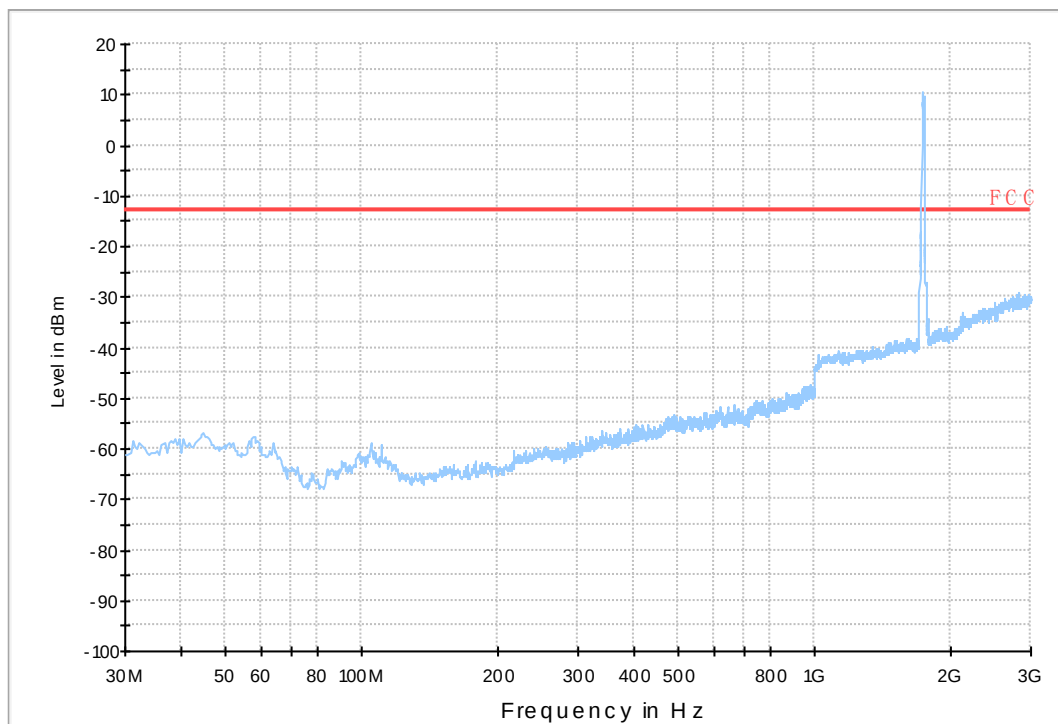
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



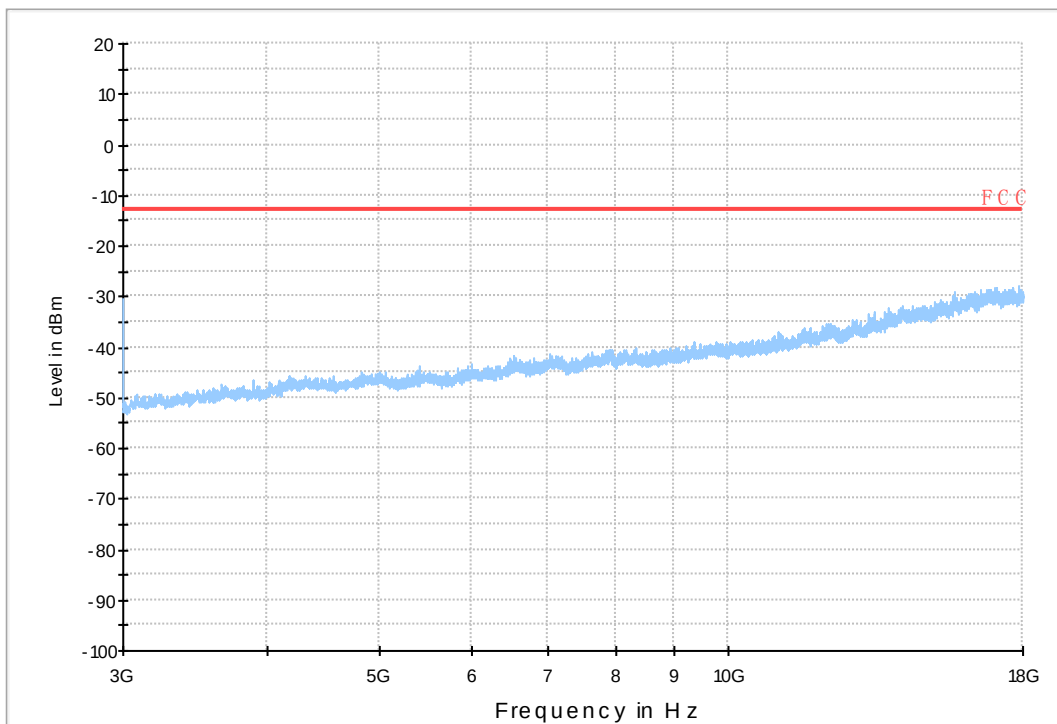
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

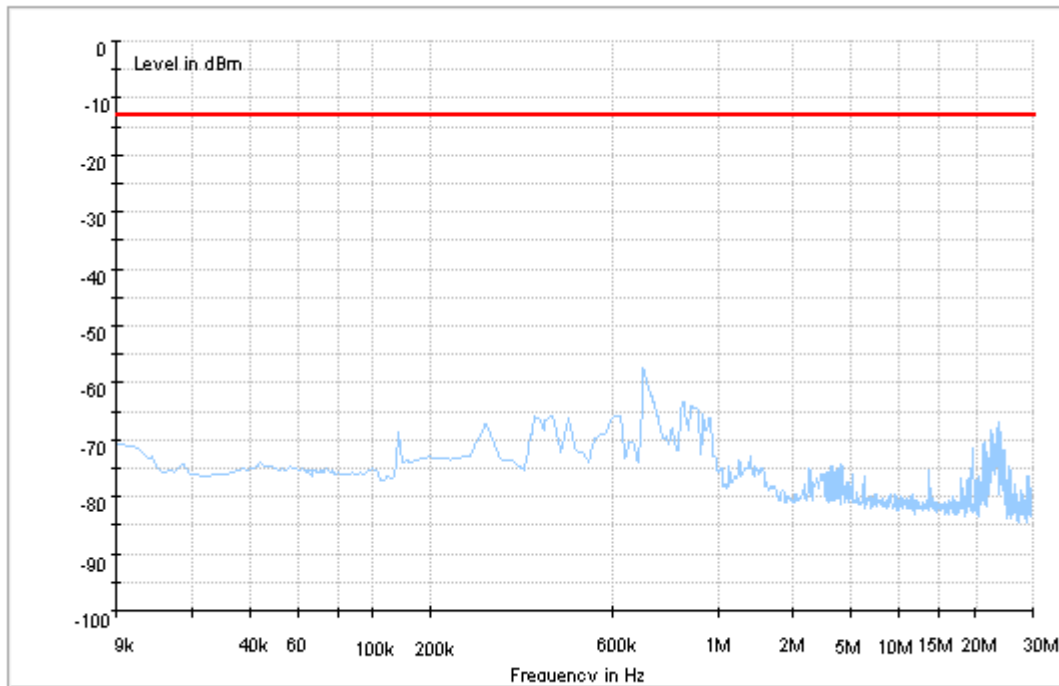


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

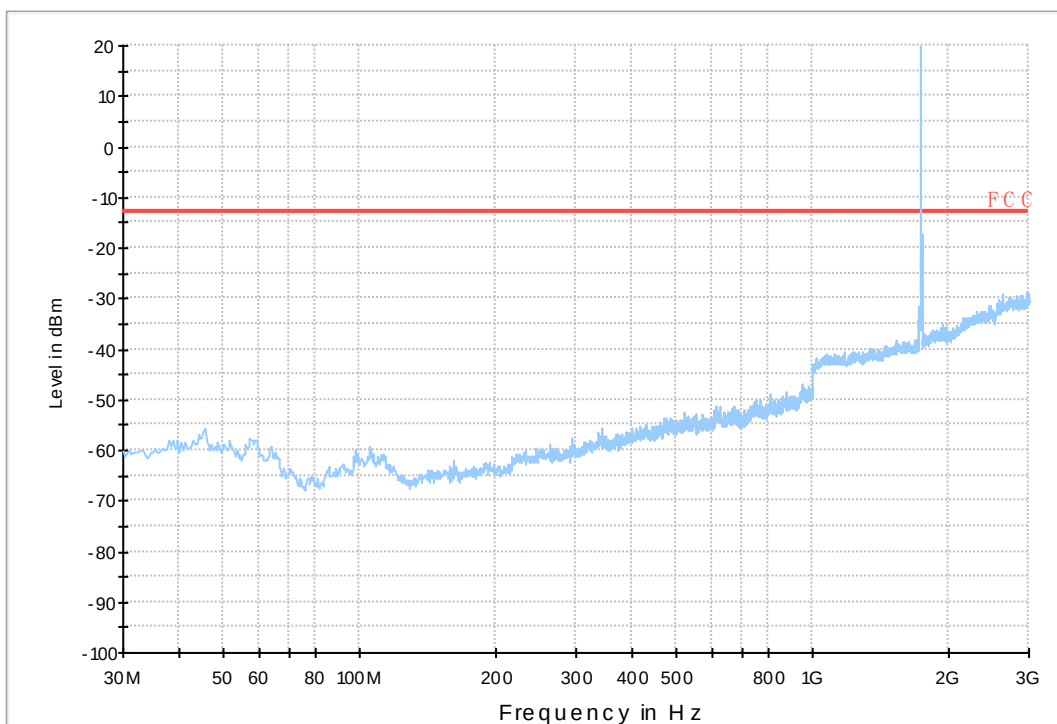


7.1.2 Test Band = BAND2_ANT2

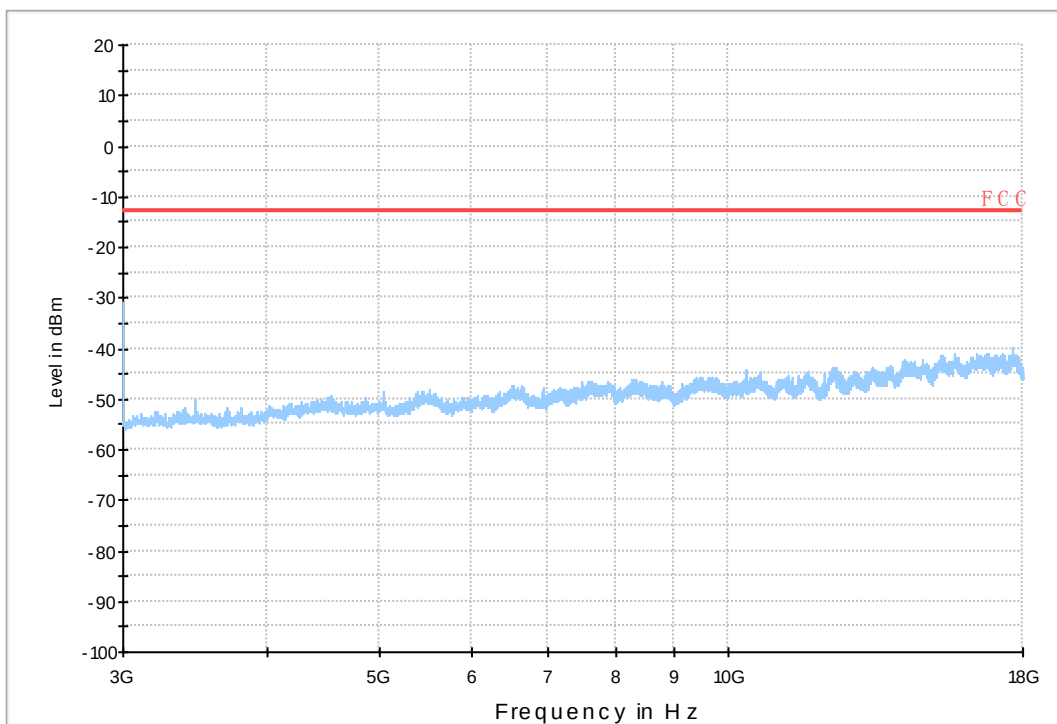
7.1.2.1 Test Bandwidth = 1.4



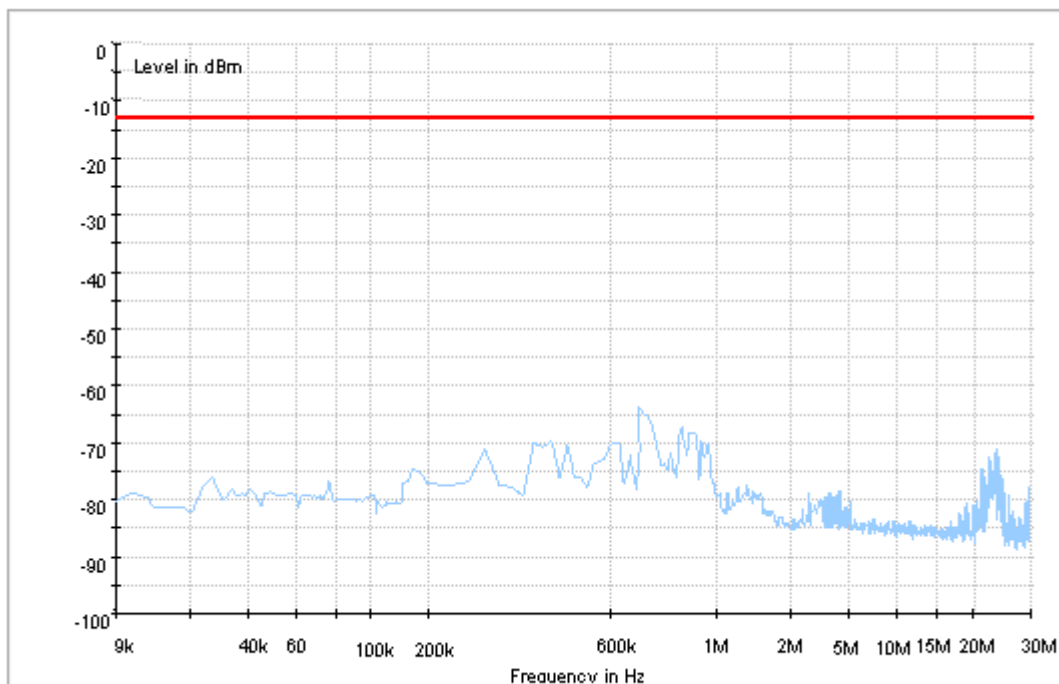
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



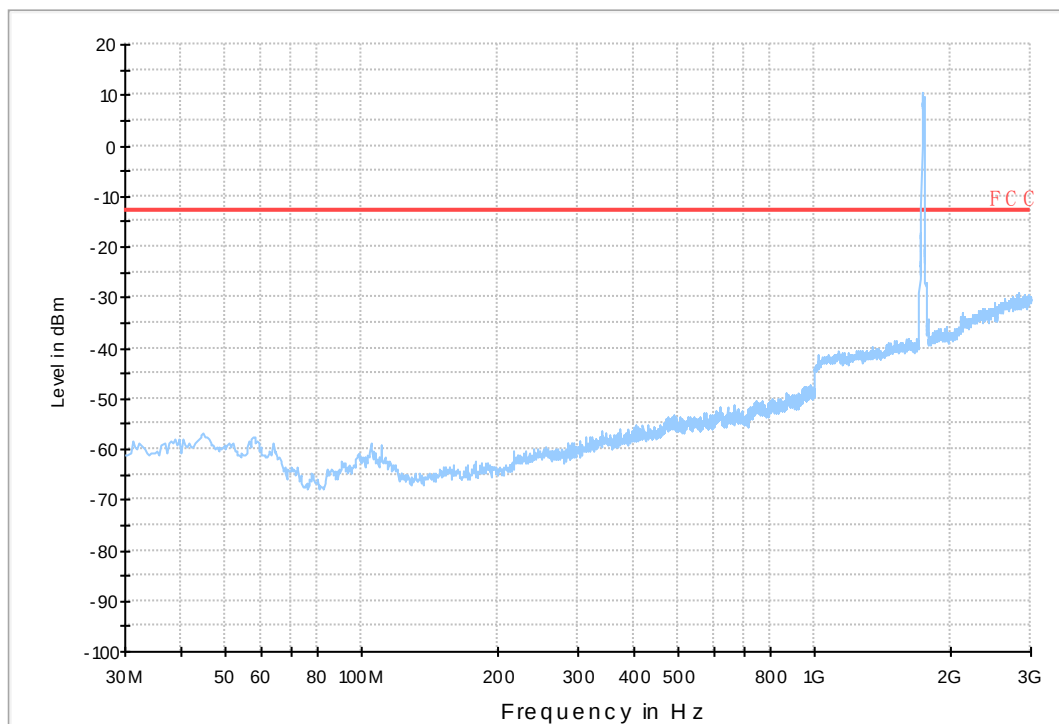
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



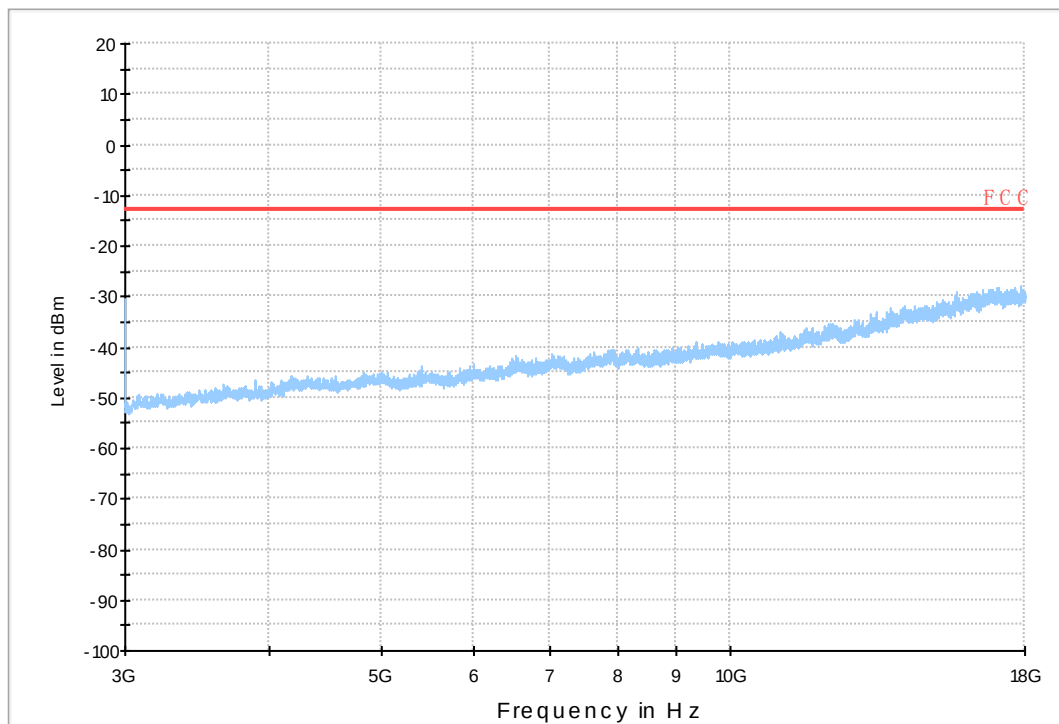
7.1.2.2 Test Bandwidth = 20



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

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND4	LTE/TM1	1.4	LCH	TN	VL	8.03	0.00469	PASS
					VN	15.78	0.00922	PASS
					VH	-0.13	-0.00008	PASS
			MCH	TN	VL	8.15	0.0047	PASS
					VN	11.26	0.0065	PASS
					VH	6.27	0.00362	PASS
			HCH	TN	VL	4.69	0.00267	PASS
					VN	-0.56	-0.00032	PASS
					VH	0.23	0.00013	PASS
		3	LCH	TN	VL	2.79	0.00163	PASS
					VN	4.23	0.00247	PASS
					VH	5.22	0.00305	PASS
			MCH	TN	VL	1.06	0.00061	PASS
					VN	-3.42	-0.00197	PASS
					VH	2.12	0.00122	PASS
			HCH	TN	VL	4.29	0.00245	PASS
					VN	-2.26	-0.00129	PASS
					VH	-1.10	-0.00063	PASS
		5	LCH	TN	VL	1.03	0.0006	PASS
					VN	1.93	0.00113	PASS
					VH	-0.26	-0.00015	PASS
			MCH	TN	VL	-5.41	-0.00312	PASS
					VN	-2.13	-0.00123	PASS
					VH	-15.01	-0.00866	PASS
			HCH	TN	VL	1.59	0.00091	PASS
					VN	0.09	0.00005	PASS
					VH	-0.86	-0.00049	PASS
		10	LCH	TN	VL	-1.04	-0.00061	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	-1.46	-0.00085	PASS
					VH	-0.29	-0.00017	PASS
					VL	-0.37	-0.00021	PASS
					VN	-4.29	-0.00248	PASS
					VH	-2.03	-0.00117	PASS
					VL	2.66	0.00152	PASS
			MCH	TN	VN	2.85	0.00163	PASS
					VH	4.65	0.00266	PASS
					VL	-0.14	-0.00008	PASS
					VN	-0.83	-0.00048	PASS
					VH	-1.04	-0.00061	PASS
					VL	-0.63	-0.00036	PASS
		15	MCH	TN	VN	-6.29	-0.00363	PASS
					VH	-4.51	-0.0026	PASS
					VL	4.62	0.00264	PASS
					VN	10.17	0.00582	PASS
					VH	12.22	0.00699	PASS
					VL	-4.25	-0.00247	PASS
			HCH	TN	VN	-2.63	-0.00153	PASS
					VH	-2.98	-0.00173	PASS
					VL	2.03	0.00117	PASS
					VN	-0.09	-0.00005	PASS
					VH	-4.39	-0.00253	PASS
					VL	18.17	0.01041	PASS
		20	MCH	TN	VN	0.86	0.00049	PASS
					VH	2.36	0.00135	PASS
					VL	-0.67	-0.00039	PASS
					VN	6.92	0.00405	PASS
					VH	-0.13	-0.00008	PASS
					VL	4.72	0.00272	PASS
			HCH	TN	VN	10.89	0.00629	PASS
					VH	13.29	0.00767	PASS
					VL	1.56	0.00089	PASS
					VN	2.23	0.00127	PASS
					VH	6.45	0.00368	PASS
					VL	1.60	0.00093	PASS
		3	LCH	TN	VN	1.77	0.00103	PASS
					VH	2.15	0.00126	PASS
					VL	2.99	0.00173	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	3.72	0.00215	PASS
					VH	-2.02	-0.00117	PASS
					VL	5.85	0.00334	PASS
					VN	3.03	0.00173	PASS
					VH	2.72	0.00155	PASS
		5	LCH	TN	VL	-1.50	-0.00088	PASS
					VN	0.49	0.00029	PASS
					VH	1.00	0.00058	PASS
			MCH	TN	VL	-0.37	-0.00021	PASS
					VN	3.29	0.0019	PASS
					VH	6.95	0.00401	PASS
			HCH	TN	VL	-2.79	-0.00159	PASS
					VN	1.67	0.00095	PASS
					VH	0.24	0.00014	PASS
		10	LCH	TN	VL	-1.54	-0.0009	PASS
					VN	0.34	0.0002	PASS
					VH	1.17	0.00068	PASS
			MCH	TN	VL	-4.51	-0.0026	PASS
					VN	-1.47	-0.00085	PASS
					VH	-0.29	-0.00017	PASS
			HCH	TN	VL	0.77	0.00044	PASS
					VN	5.05	0.00289	PASS
					VH	-1.47	-0.00084	PASS
		15	LCH	TN	VL	1.14	0.00066	PASS
					VN	-0.47	-0.00027	PASS
					VH	-0.79	-0.00046	PASS
			MCH	TN	VL	-5.55	-0.0032	PASS
					VN	-2.88	-0.00166	PASS
					VH	-3.08	-0.00178	PASS
			HCH	TN	VL	-13.29	-0.00761	PASS
					VN	-0.06	-0.00003	PASS
					VH	-25.49	-0.01459	PASS
		20	LCH	TN	VL	-4.11	-0.00239	PASS
					VN	-1.83	-0.00106	PASS
					VH	-3.45	-0.00201	PASS
			MCH	TN	VL	-7.40	-0.00427	PASS
					VN	-8.91	-0.00514	PASS
					VH	-7.41	-0.00428	PASS
			HCH	TN	VL	-1.83	-0.00105	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	1.49	0.00085	PASS
					VH	2.09	0.0012	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
BAND4	LTE/TM1	1.4	LCH	VN	-30	-7.95	-0.00465	PASS
					-20	6.55	0.00383	PASS
					-10	4.55	0.00266	PASS
					0	12.83	0.0075	PASS
					10	-6.02	-0.00352	PASS
					20	-10.66	-0.00623	PASS
					30	10.76	0.00629	PASS
					40	4.49	0.00262	PASS
					50	-12.32	-0.0072	PASS
			MCH	VN	-30	0.92	0.00053	PASS
					-20	-11.06	-0.00638	PASS
					-10	-5.84	-0.00337	PASS
					0	-1.75	-0.00101	PASS
					10	-3.03	-0.00175	PASS
					20	1.67	0.00096	PASS
					30	-7.44	-0.00429	PASS
					40	3.15	0.00182	PASS
					50	2.30	0.00133	PASS
			HCH	VN	-30	2.02	0.00115	PASS
					-20	0.06	0.00003	PASS
					-10	-0.86	-0.00049	PASS
					0	-7.32	-0.00417	PASS
					10	-2.46	-0.0014	PASS
					20	3.25	0.00185	PASS
					30	2.03	0.00116	PASS
					40	0.72	0.00041	PASS
					50	-6.17	-0.00352	PASS
		3	LCH	VN	-30	2.85	0.00167	PASS
					-20	0.11	0.00006	PASS
					-10	1.44	0.00084	PASS
					0	0.97	0.00057	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	1.86	0.00109	PASS
					20	-1.92	-0.00112	PASS
					30	-4.36	-0.00255	PASS
					40	0.49	0.00029	PASS
					50	-5.95	-0.00348	PASS
			MCH	VN	-30	1.52	0.00088	PASS
					-20	-3.82	-0.0022	PASS
					-10	-1.26	-0.00073	PASS
					0	-4.61	-0.00266	PASS
					10	-4.01	-0.00231	PASS
					20	-2.66	-0.00154	PASS
					30	-2.62	-0.00151	PASS
					40	-3.03	-0.00175	PASS
					50	7.71	0.00445	PASS
			HCH	VN	-30	0.93	0.00053	PASS
					-20	-1.65	-0.00094	PASS
					-10	2.06	0.00117	PASS
					0	1.95	0.00111	PASS
					10	3.13	0.00179	PASS
					20	0.03	0.00002	PASS
					30	0.87	0.0005	PASS
					40	2.46	0.0014	PASS
					50	-4.56	-0.0026	PASS
		5	LCH	VN	-30	3.39	0.00198	PASS
					-20	2.62	0.00153	PASS
					-10	-0.92	-0.00054	PASS
					0	-1.32	-0.00077	PASS
					10	0.23	0.00013	PASS
					20	-0.64	-0.00037	PASS
					30	-0.39	-0.00023	PASS
					40	-1.50	-0.00088	PASS
					50	-0.53	-0.00031	PASS
			MCH	VN	-30	-1.42	-0.00082	PASS
					-20	-1.97	-0.00114	PASS
					-10	-4.71	-0.00272	PASS
					0	-5.05	-0.00291	PASS
					10	-4.18	-0.00241	PASS
					20	-3.75	-0.00216	PASS
					30	-1.79	-0.00103	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-1.00	-0.00058	PASS
					50	-5.19	-0.003	PASS
			HCH	VN	-30	0.16	0.00009	PASS
					-20	-0.21	-0.00012	PASS
					-10	2.52	0.00144	PASS
					0	0.10	0.00006	PASS
					10	1.20	0.00068	PASS
					20	2.78	0.00159	PASS
					30	-2.13	-0.00122	PASS
					40	1.26	0.00072	PASS
					50	-1.00	-0.00057	PASS
		10	LCH	VN	-30	1.00	0.00058	PASS
					-20	1.47	0.00086	PASS
					-10	3.76	0.00219	PASS
					0	-0.17	-0.0001	PASS
					10	-0.63	-0.00037	PASS
					20	-1.03	-0.0006	PASS
					30	-3.86	-0.00225	PASS
					40	-0.97	-0.00057	PASS
					50	3.68	0.00215	PASS
			MCH	VN	-30	-1.46	-0.00084	PASS
					-20	1.46	0.00084	PASS
					-10	2.68	0.00155	PASS
					0	-2.69	-0.00155	PASS
					10	0.40	0.00023	PASS
					20	1.73	0.001	PASS
					30	-1.39	-0.0008	PASS
					40	6.81	0.00393	PASS
					50	-5.75	-0.00332	PASS
			HCH	VN	-30	3.19	0.00182	PASS
					-20	2.40	0.00137	PASS
					-10	0.77	0.00044	PASS
					0	2.40	0.00137	PASS
					10	4.92	0.00281	PASS
					20	0.79	0.00045	PASS
					30	0.62	0.00035	PASS
					40	1.09	0.00062	PASS
					50	3.28	0.00187	PASS
		15	LCH	VN	-30	0.06	0.00003	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.83	-0.00048	PASS
					-10	-1.93	-0.00112	PASS
					0	-0.89	-0.00052	PASS
					10	-0.64	-0.00037	PASS
					20	-0.70	-0.00041	PASS
					30	0.16	0.00009	PASS
					40	-2.60	-0.00151	PASS
					50	-2.13	-0.00124	PASS
			MCH	VN	-30	1.43	0.00083	PASS
					-20	0.86	0.0005	PASS
					-10	-2.55	-0.00147	PASS
					0	-1.06	-0.00061	PASS
					10	-1.27	-0.00073	PASS
					20	-1.69	-0.00098	PASS
					30	-2.63	-0.00152	PASS
					40	-0.40	-0.00023	PASS
					50	-4.79	-0.00276	PASS
			HCH	VN	-30	-1.04	-0.0006	PASS
					-20	-1.33	-0.00076	PASS
					-10	2.86	0.00164	PASS
					0	-9.53	-0.00545	PASS
					10	-2.98	-0.00171	PASS
					20	-3.40	-0.00195	PASS
					30	-2.60	-0.00149	PASS
					40	2.25	0.00129	PASS
					50	3.23	0.00185	PASS
		20	LCH	VN	-30	-3.20	-0.00186	PASS
					-20	-5.74	-0.00334	PASS
					-10	-3.39	-0.00197	PASS
					0	-3.58	-0.00208	PASS
					10	-4.39	-0.00255	PASS
					20	-3.52	-0.00205	PASS
					30	-2.42	-0.00141	PASS
					40	-2.56	-0.00149	PASS
					50	-2.70	-0.00157	PASS
			MCH	VN	-30	-2.68	-0.00155	PASS
					-20	-2.89	-0.00167	PASS
					-10	0.67	0.00039	PASS
					0	-3.45	-0.00199	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.33	0.00019	PASS
					20	-2.35	-0.00136	PASS
					30	-1.57	-0.00091	PASS
					40	2.03	0.00117	PASS
					50	-0.59	-0.00034	PASS
			HCH	VN	-30	-0.19	-0.00011	PASS
					-20	-1.42	-0.00081	PASS
					-10	1.03	0.00059	PASS
					0	-1.24	-0.00071	PASS
					10	-1.49	-0.00085	PASS
					20	-0.54	-0.00031	PASS
					30	0.27	0.00015	PASS
					40	-1.03	-0.00059	PASS
					50	0.39	0.00022	PASS
	LTE/TM2	1.4	LCH	VN	-30	3.85	0.00225	PASS
					-20	7.31	0.00427	PASS
					-10	3.33	0.00195	PASS
					0	4.84	0.00283	PASS
					10	0.74	0.00043	PASS
					20	10.26	0.006	PASS
					30	-5.01	-0.00293	PASS
					40	3.13	0.00183	PASS
					50	4.46	0.00261	PASS
			MCH	VN	-30	-1.42	-0.00082	PASS
					-20	2.49	0.00144	PASS
					-10	1.50	0.00087	PASS
					0	2.10	0.00121	PASS
					10	-3.99	-0.0023	PASS
					20	-4.41	-0.00255	PASS
					30	-4.66	-0.00269	PASS
					40	3.62	0.00209	PASS
					50	-6.52	-0.00376	PASS
			HCH	VN	-30	5.35	0.00305	PASS
					-20	8.40	0.00479	PASS
					-10	3.43	0.00196	PASS
					0	-0.01	-0.00001	PASS
					10	-1.63	-0.00093	PASS
					20	3.62	0.00206	PASS
					30	0.89	0.00051	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	1.04	0.00059	PASS
					50	2.63	0.0015	PASS
		3	LCH	VN	-30	4.99	0.00292	PASS
					-20	2.27	0.00133	PASS
					-10	2.63	0.00154	PASS
					0	3.60	0.0021	PASS
					10	0.51	0.0003	PASS
					20	0.46	0.00027	PASS
					30	-2.52	-0.00147	PASS
					40	3.48	0.00203	PASS
					50	2.53	0.00148	PASS
			MCH	VN	-30	-3.66	-0.00211	PASS
					-20	-3.32	-0.00192	PASS
					-10	-0.67	-0.00039	PASS
					0	-2.52	-0.00145	PASS
					10	-2.02	-0.00117	PASS
					20	0.21	0.00012	PASS
					30	-1.06	-0.00061	PASS
					40	0.96	0.00055	PASS
					50	0.16	0.00009	PASS
			HCH	VN	-30	-0.23	-0.00013	PASS
					-20	-0.41	-0.00023	PASS
					-10	-2.85	-0.00163	PASS
					0	-1.90	-0.00108	PASS
					10	1.96	0.00112	PASS
					20	-0.89	-0.00051	PASS
					30	-1.79	-0.00102	PASS
					40	0.62	0.00035	PASS
					50	-1.56	-0.00089	PASS
		5	LCH	VN	-30	-3.16	-0.00185	PASS
					-20	0.04	0.00002	PASS
					-10	2.49	0.00145	PASS
					0	-4.05	-0.00236	PASS
					10	1.65	0.00096	PASS
					20	0.01	0.00001	PASS
					30	-0.67	-0.00039	PASS
					40	-4.21	-0.00246	PASS
					50	-1.43	-0.00084	PASS
			MCH	VN	-30	4.08	0.00235	PASS