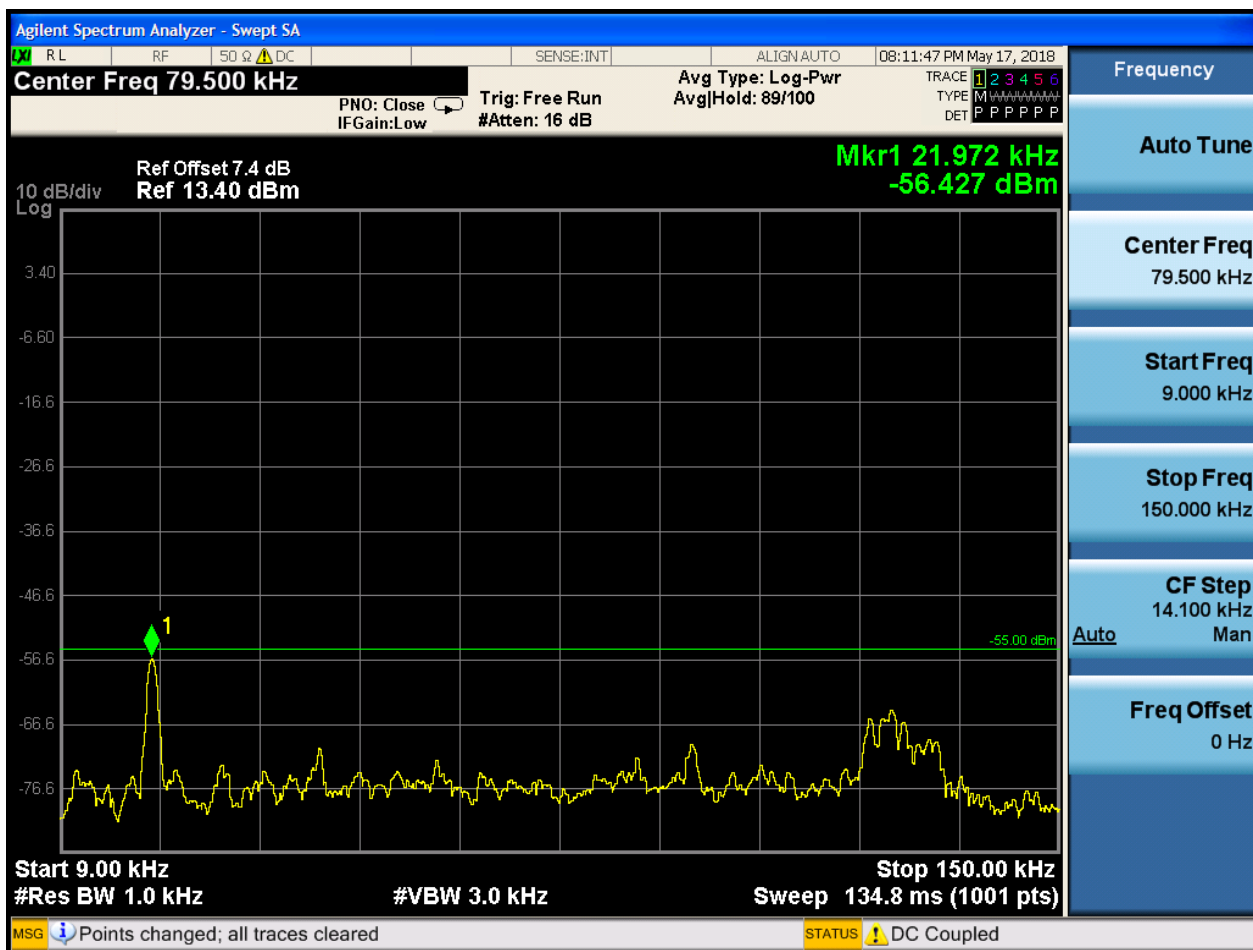
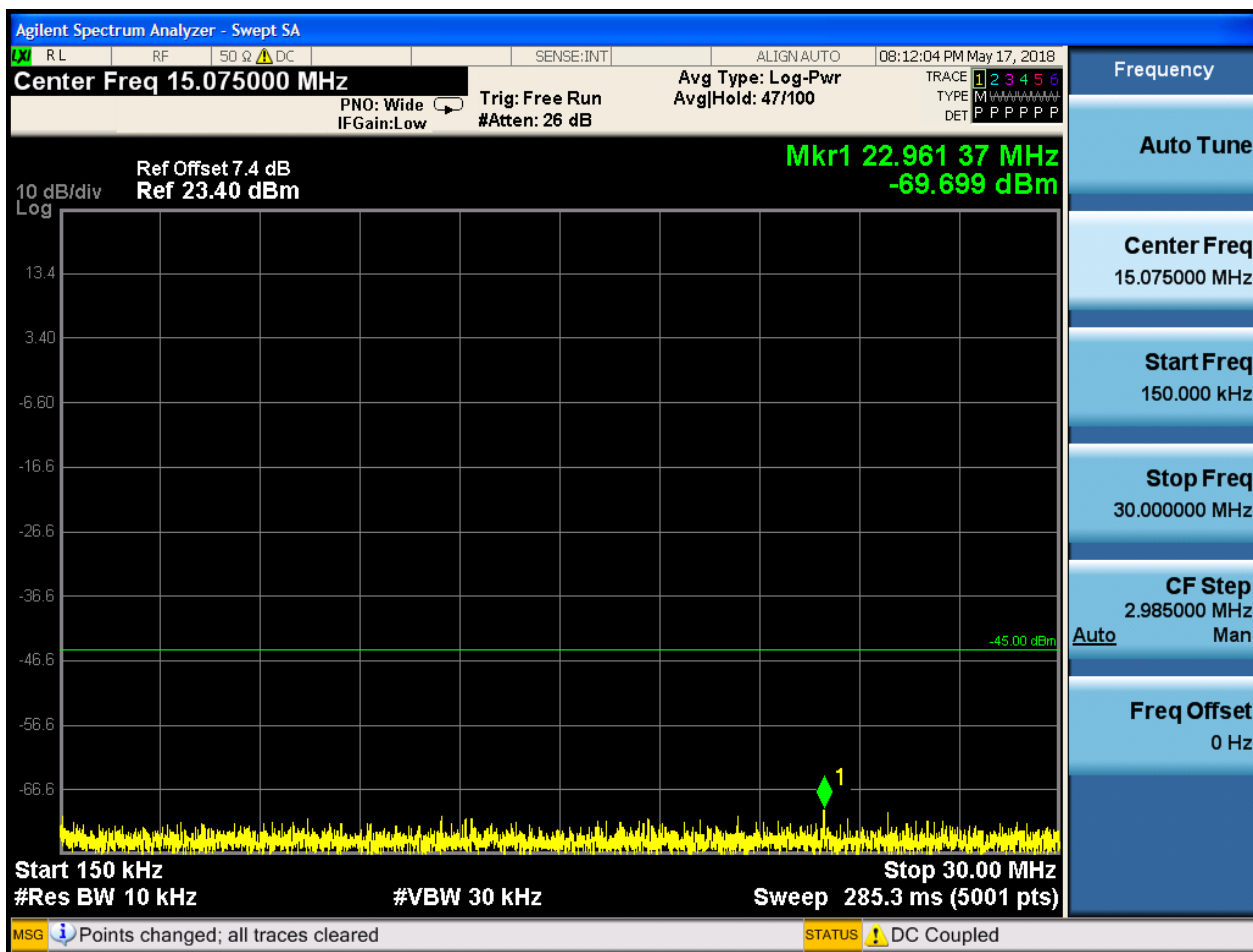
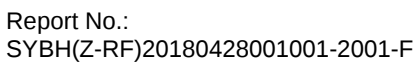
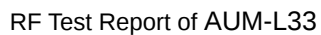


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





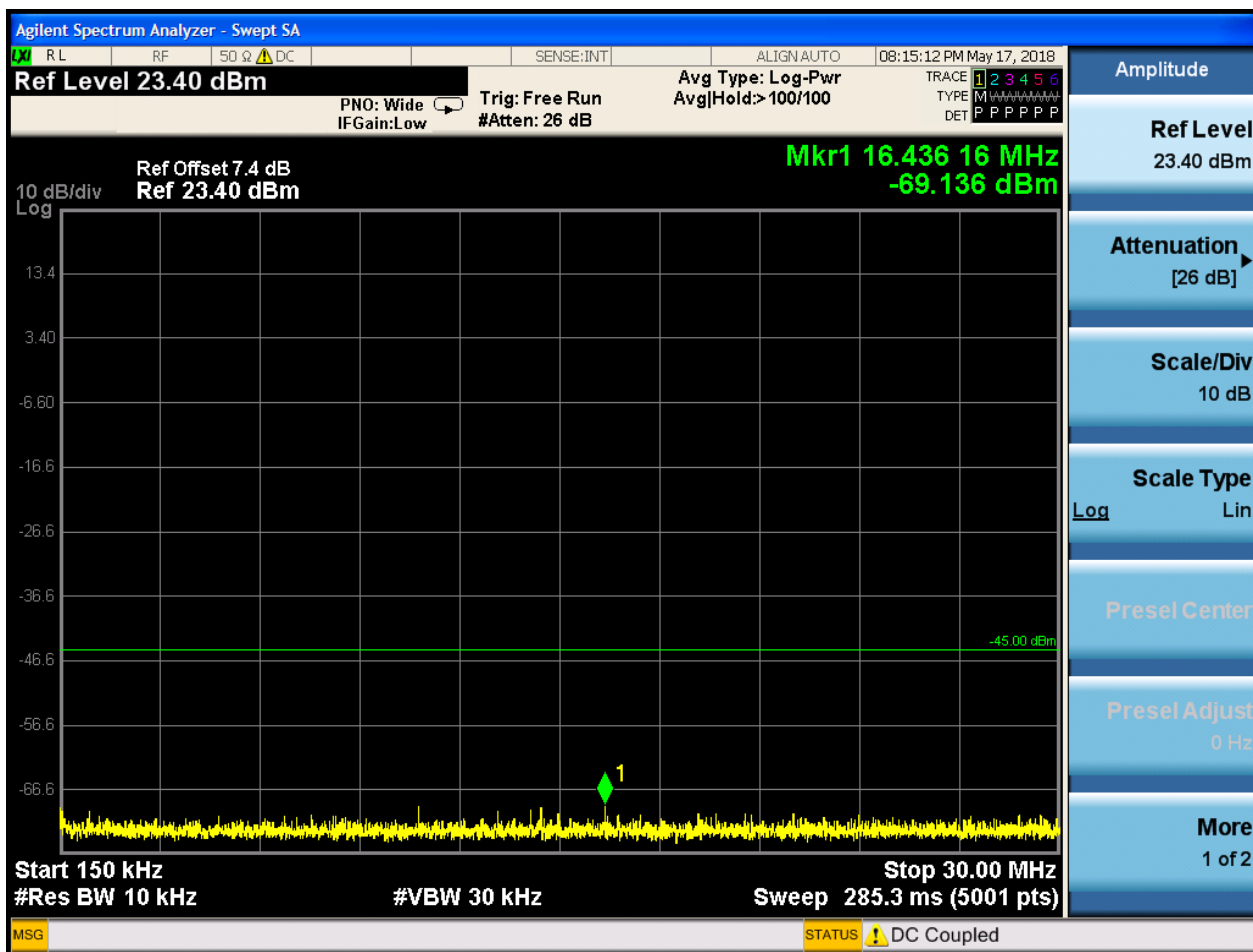


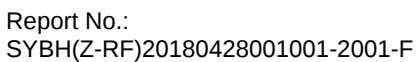
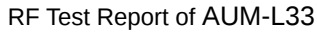
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



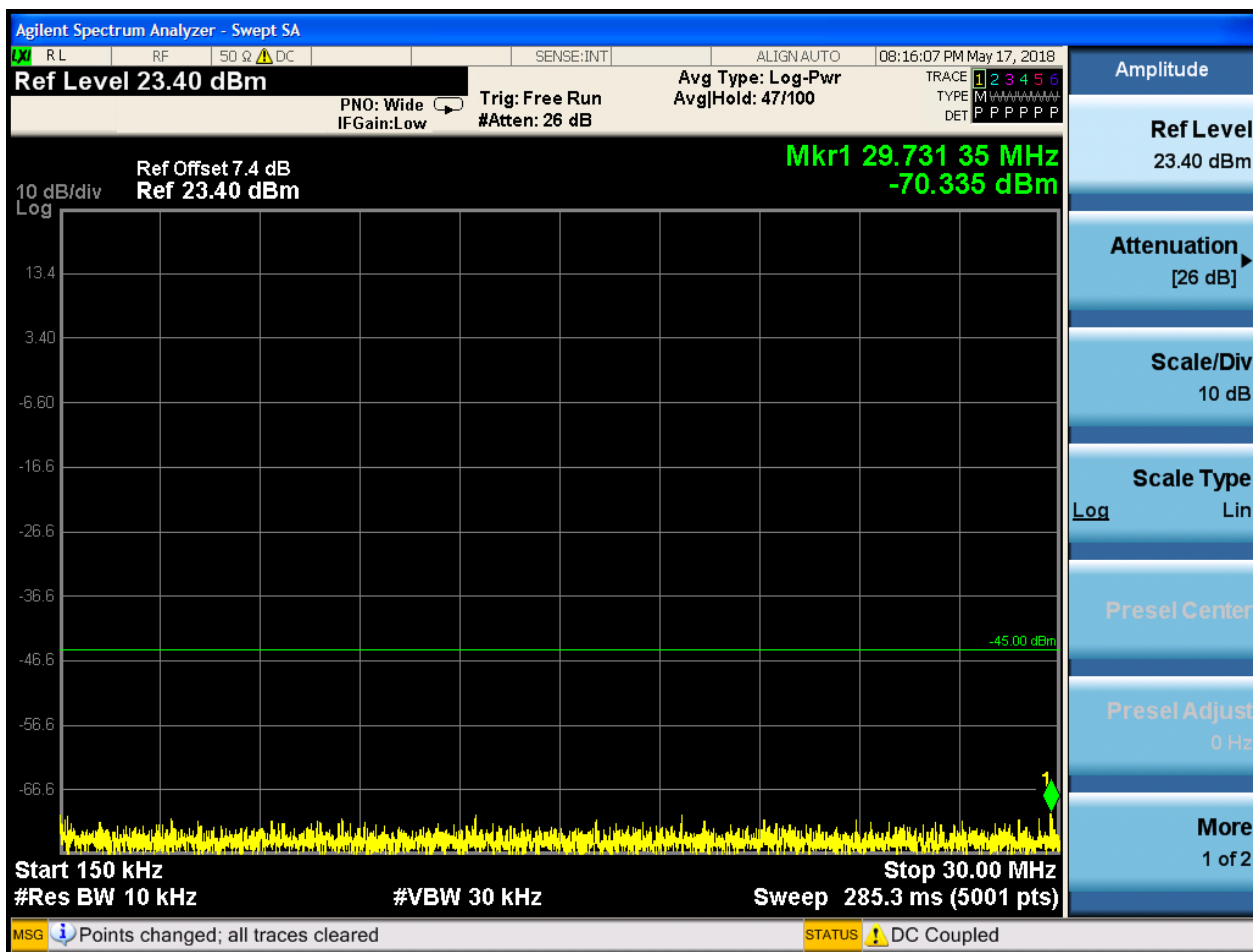


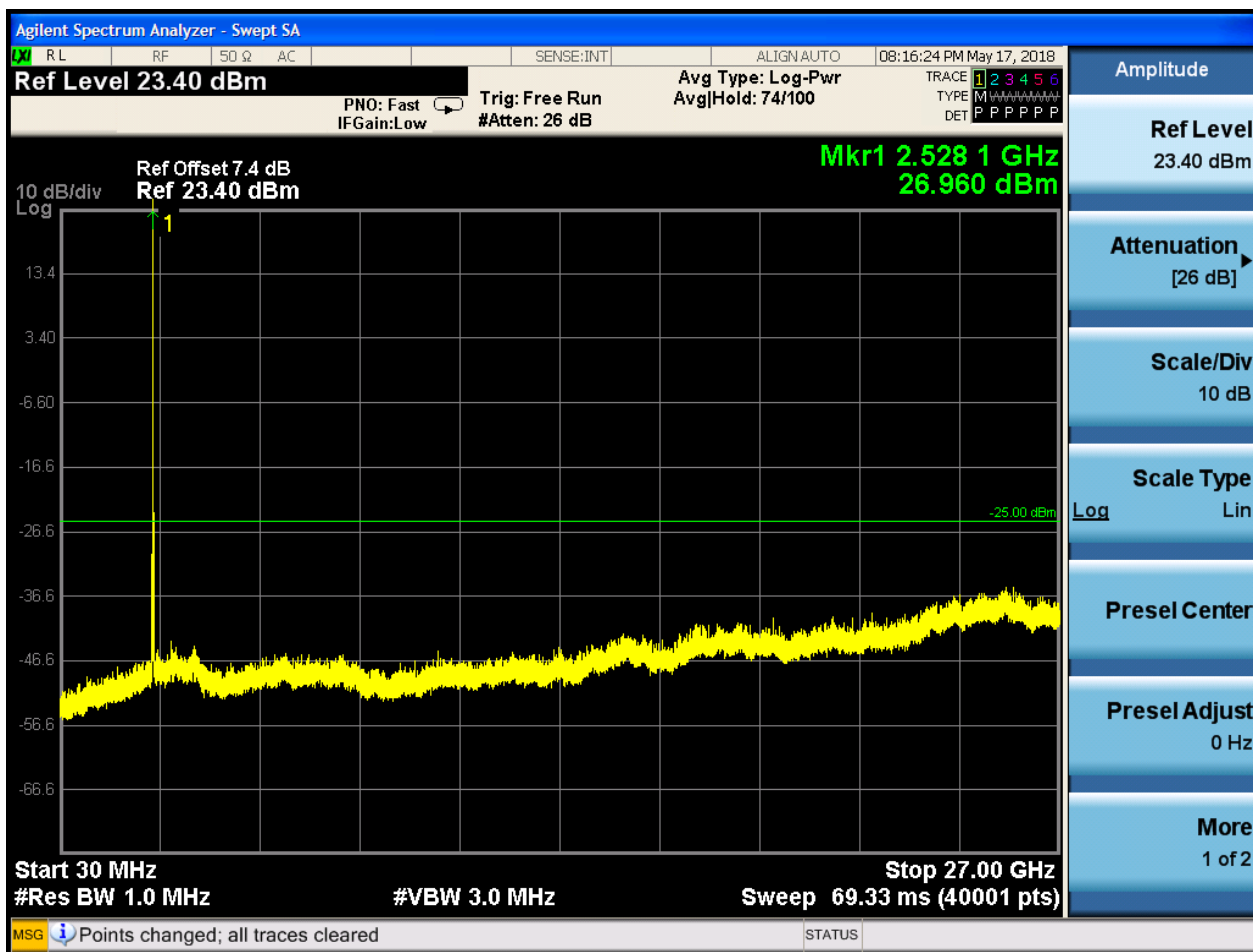


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

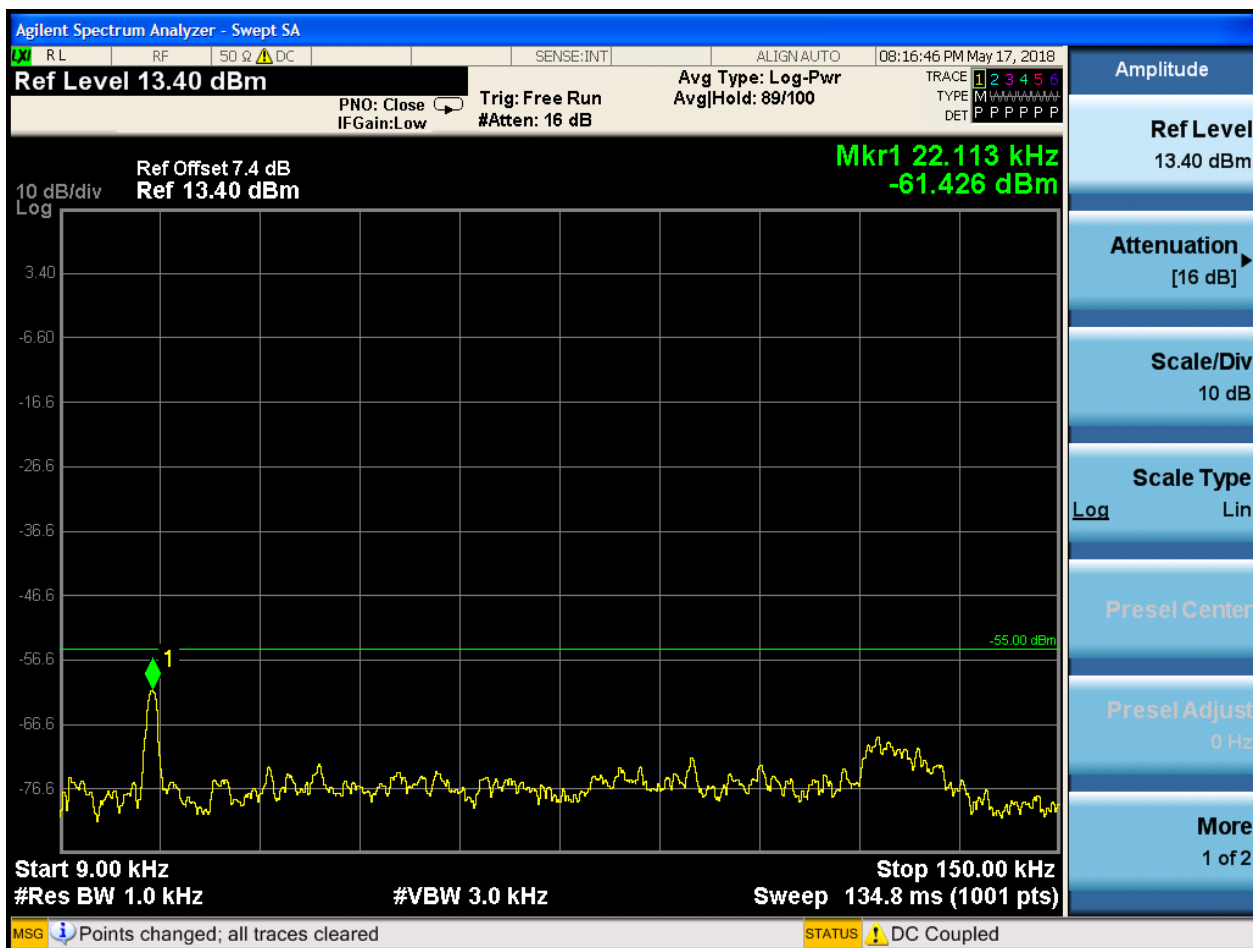


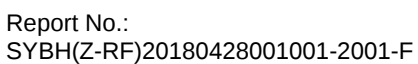
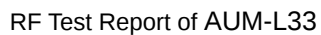


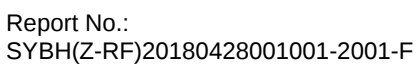
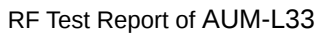


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







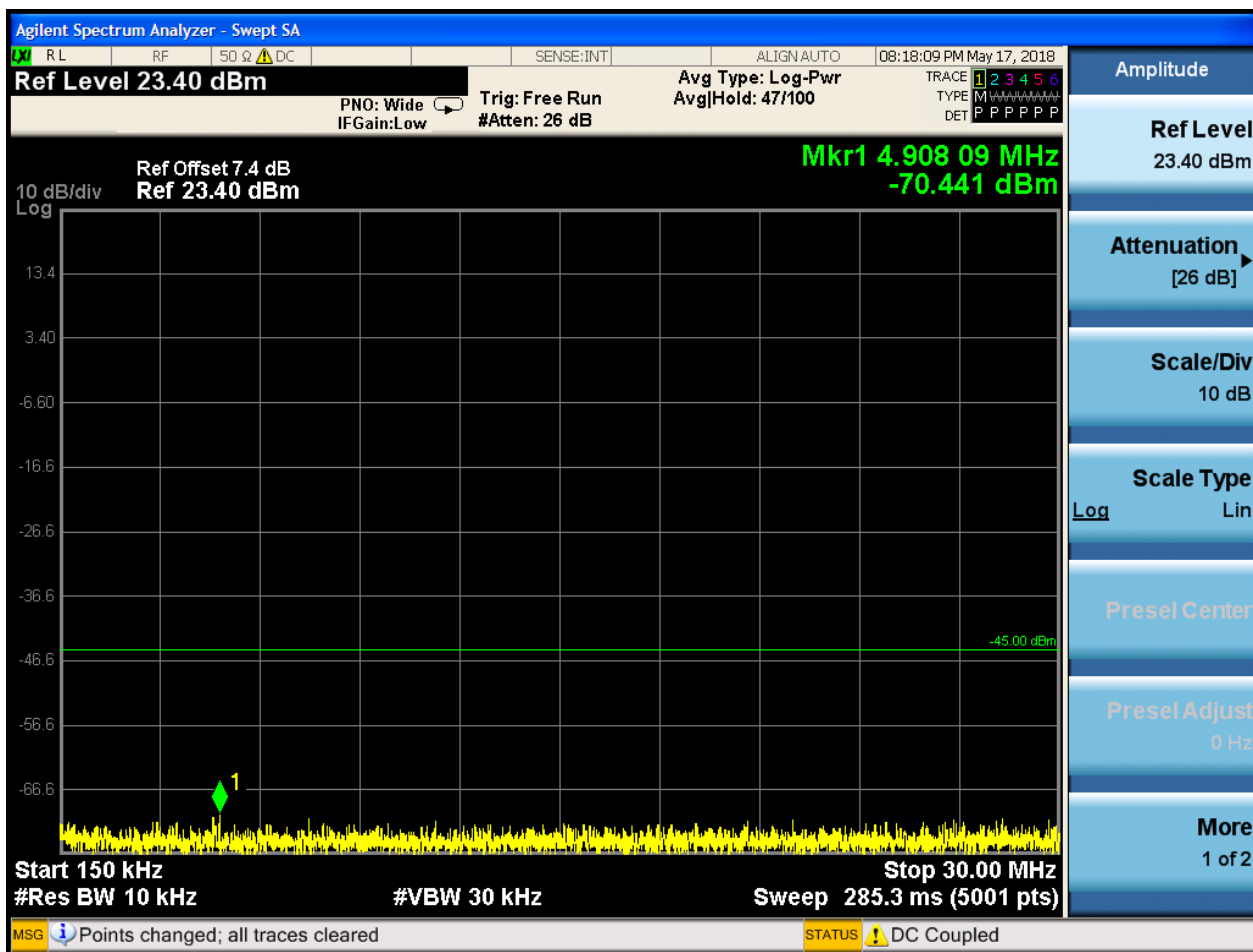


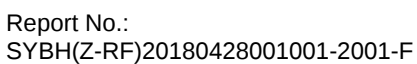
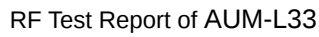
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

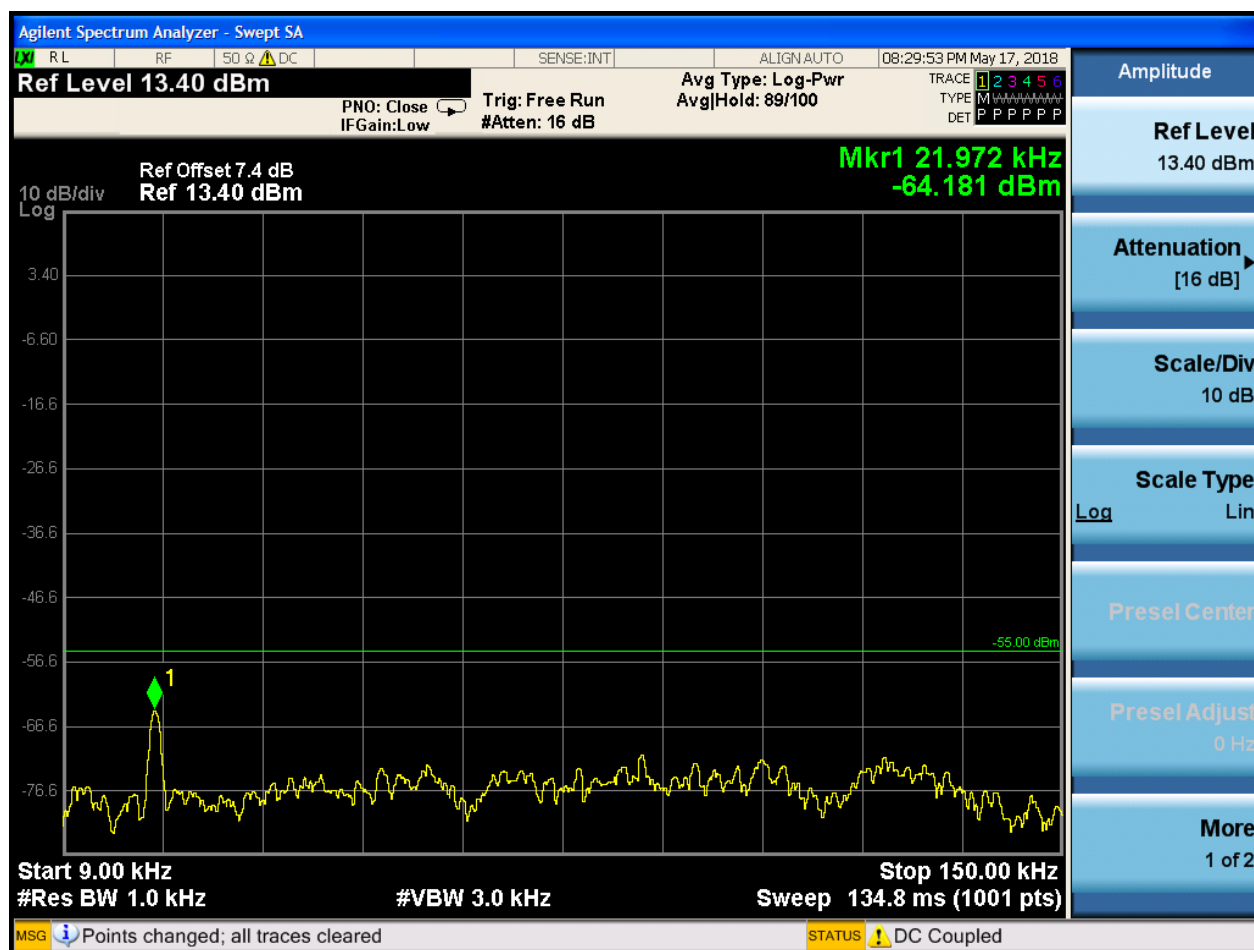


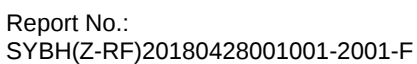
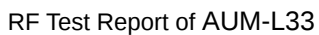


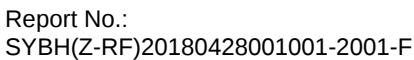
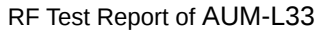


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

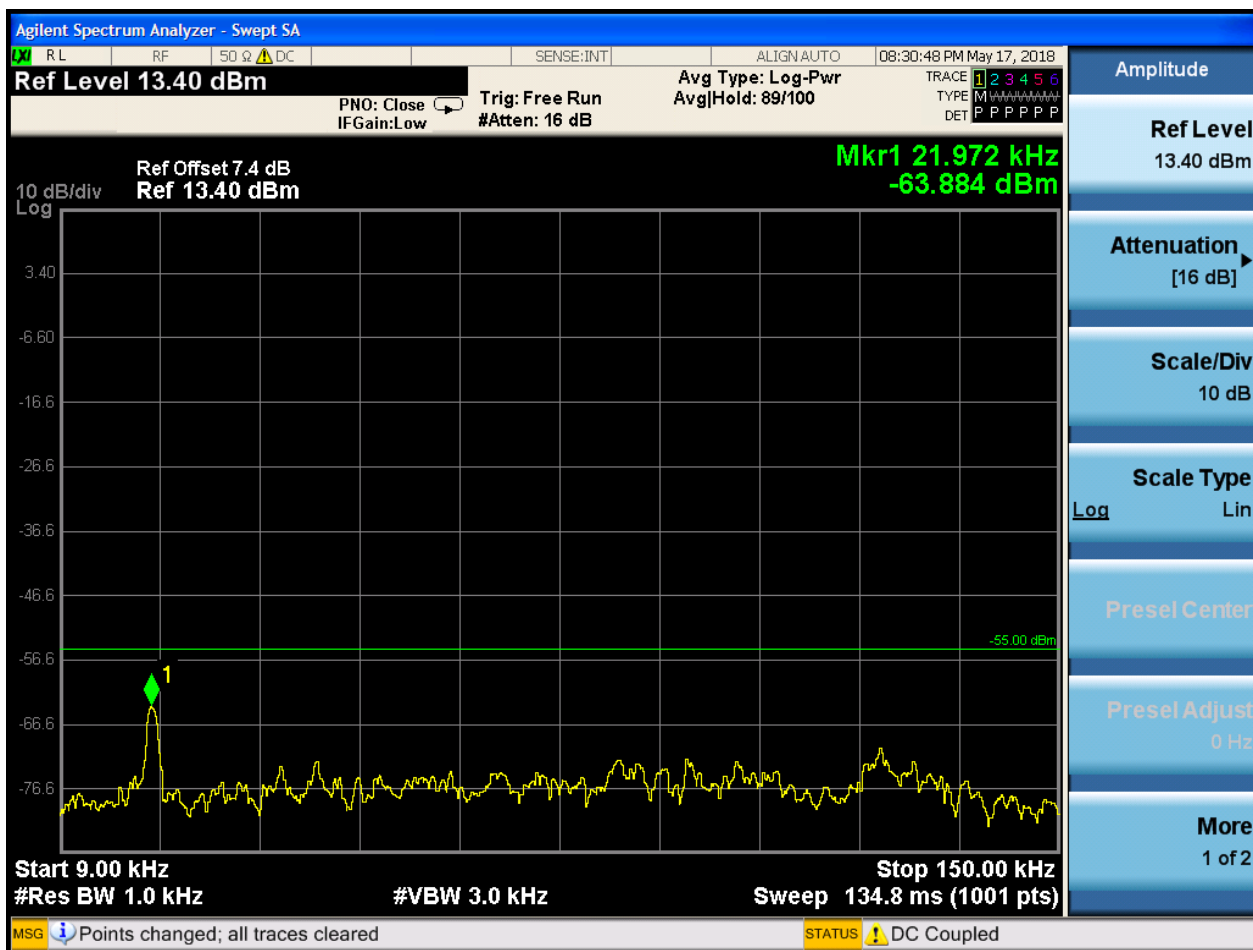


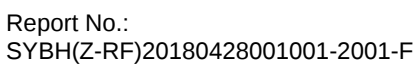
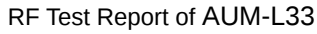


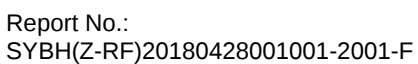
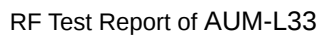


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





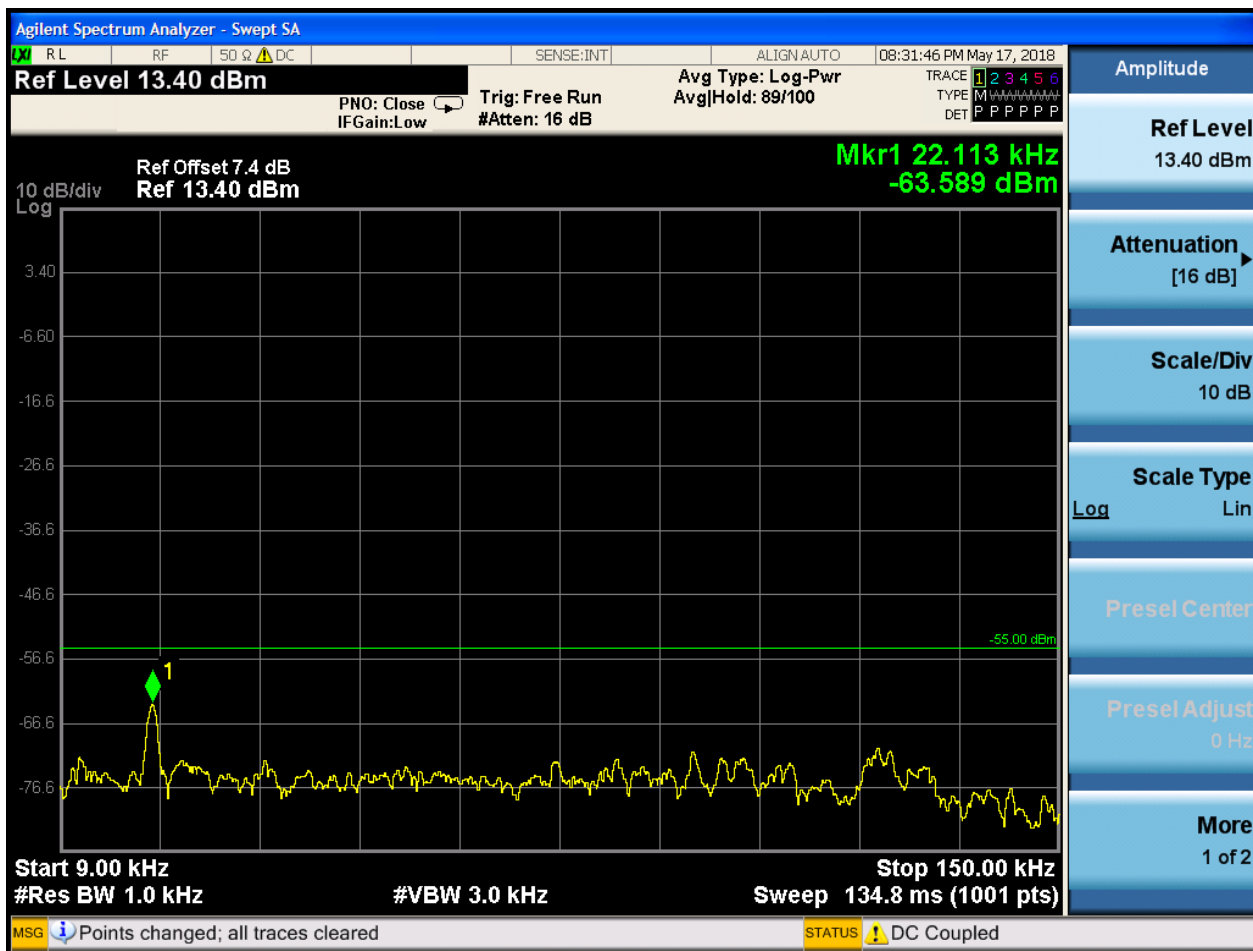


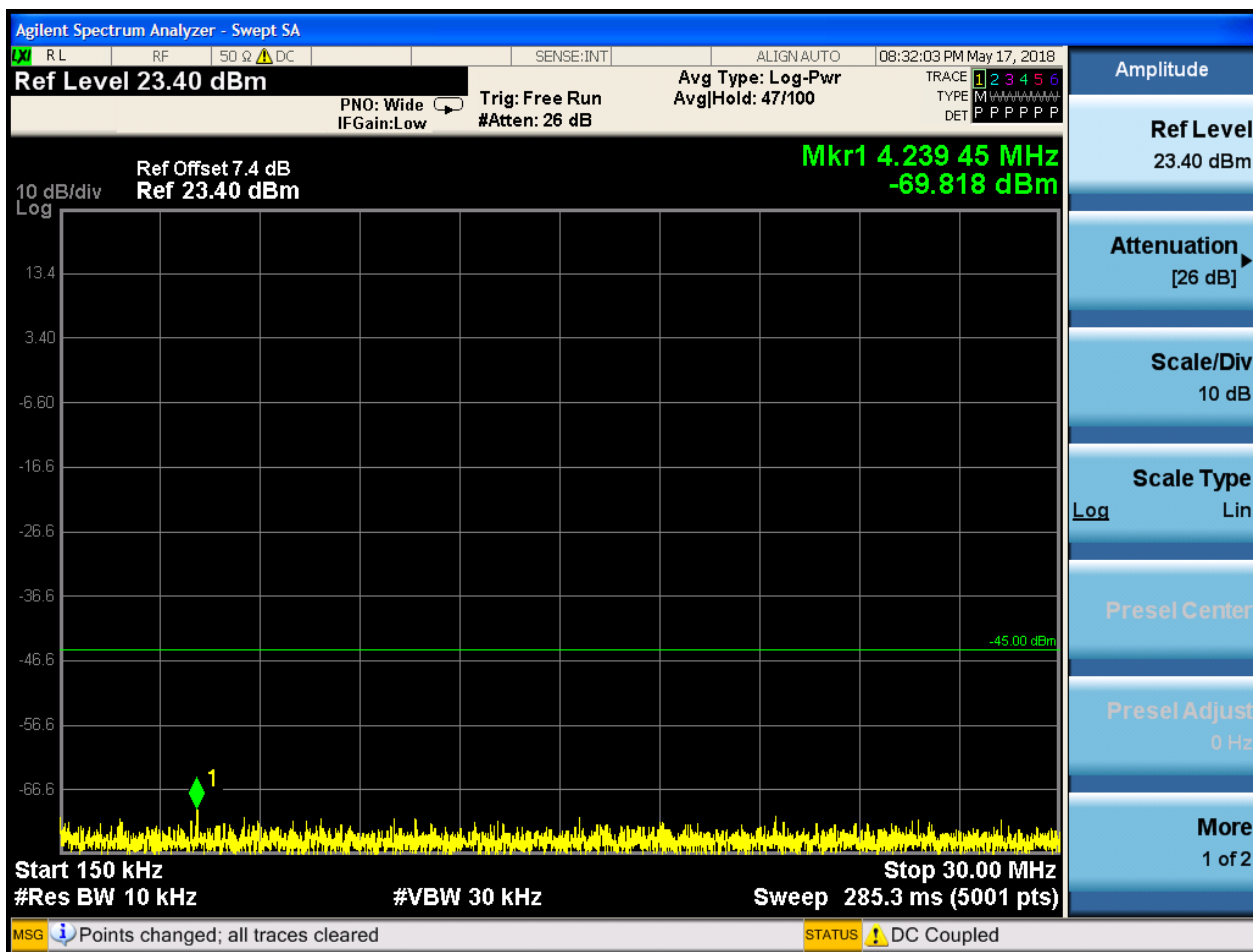
6.1.1.2 Test Mode = LTE/TM2

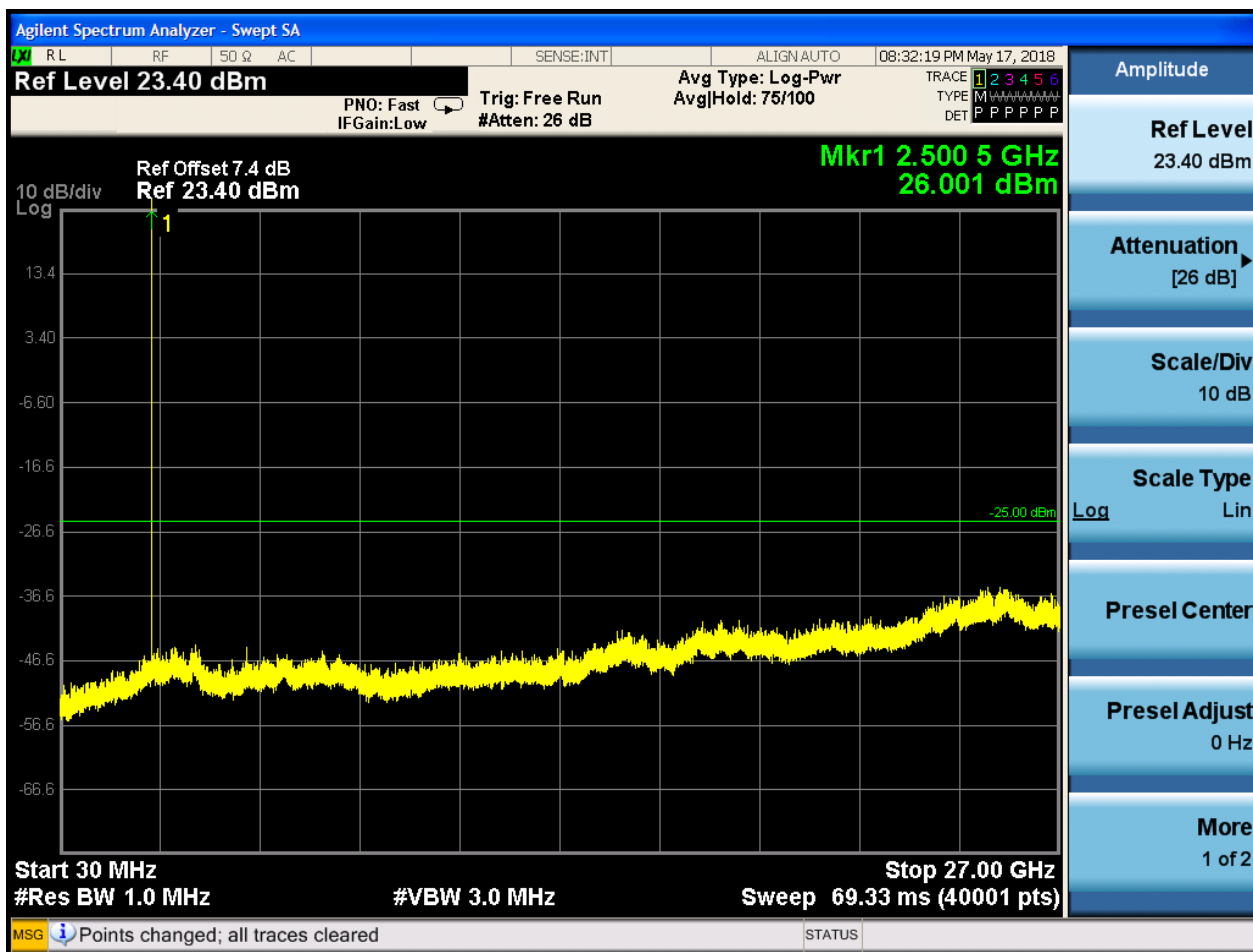
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

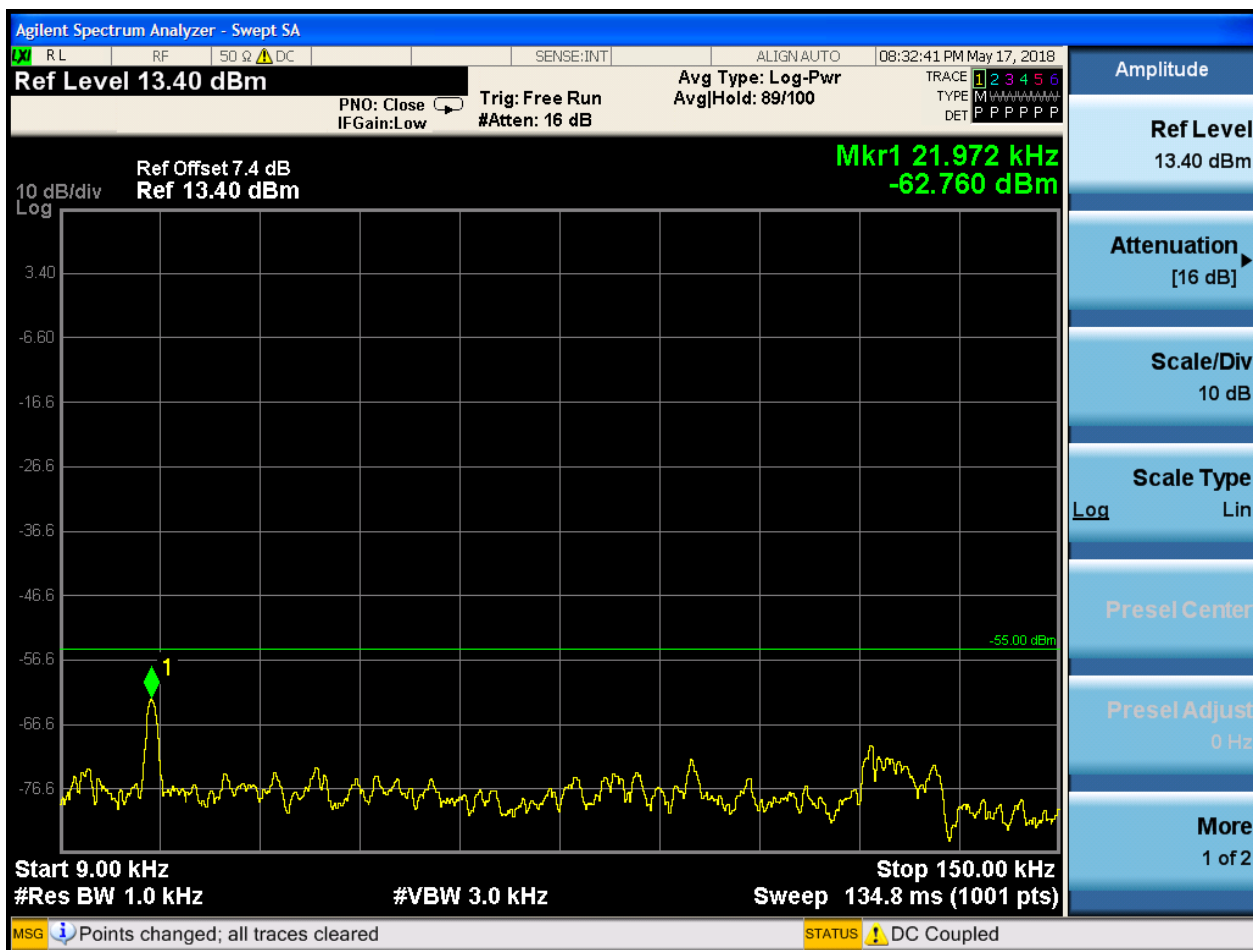


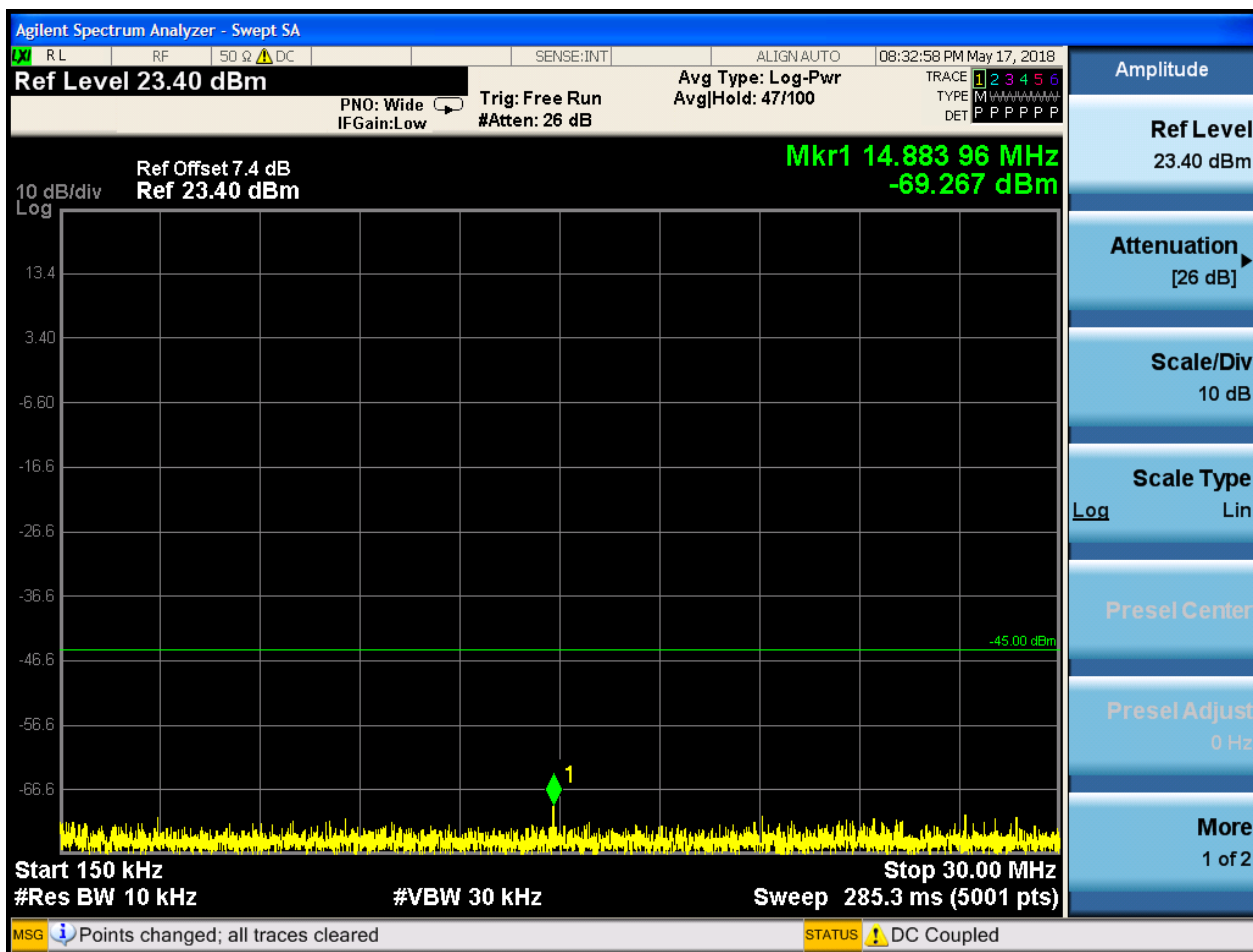


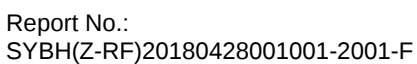
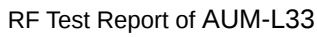


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

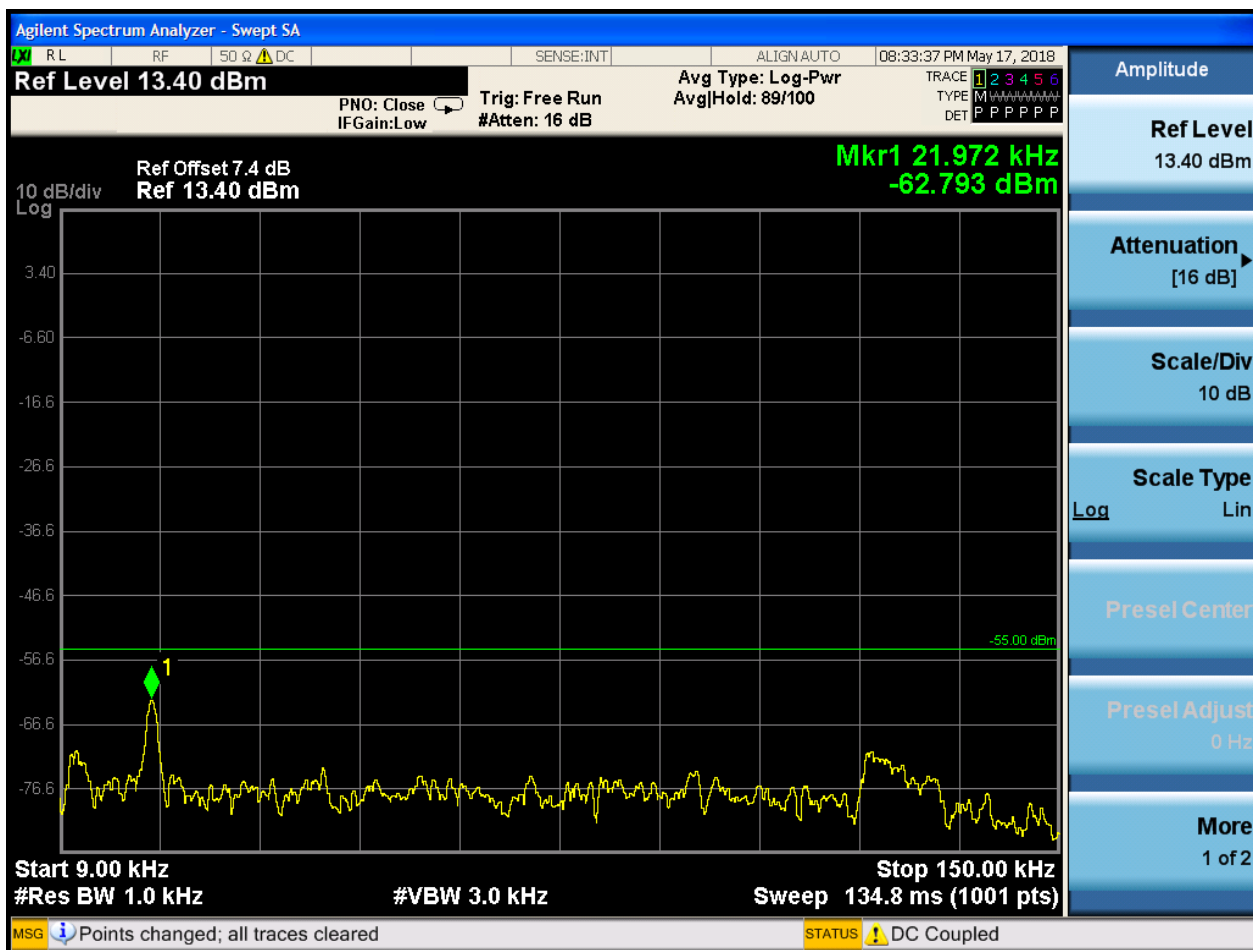


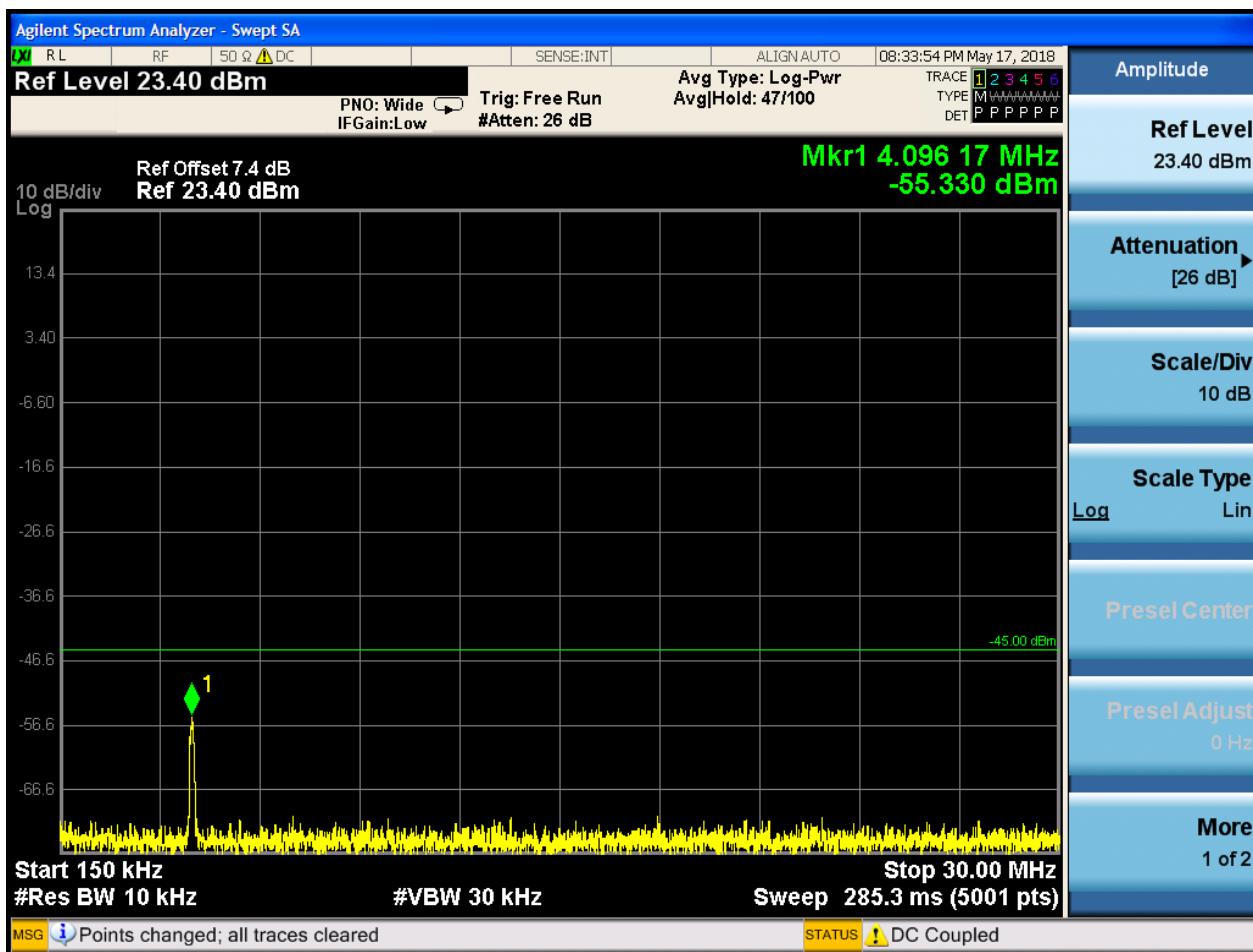


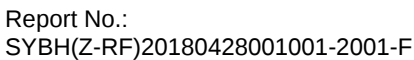
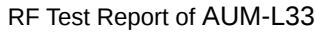


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





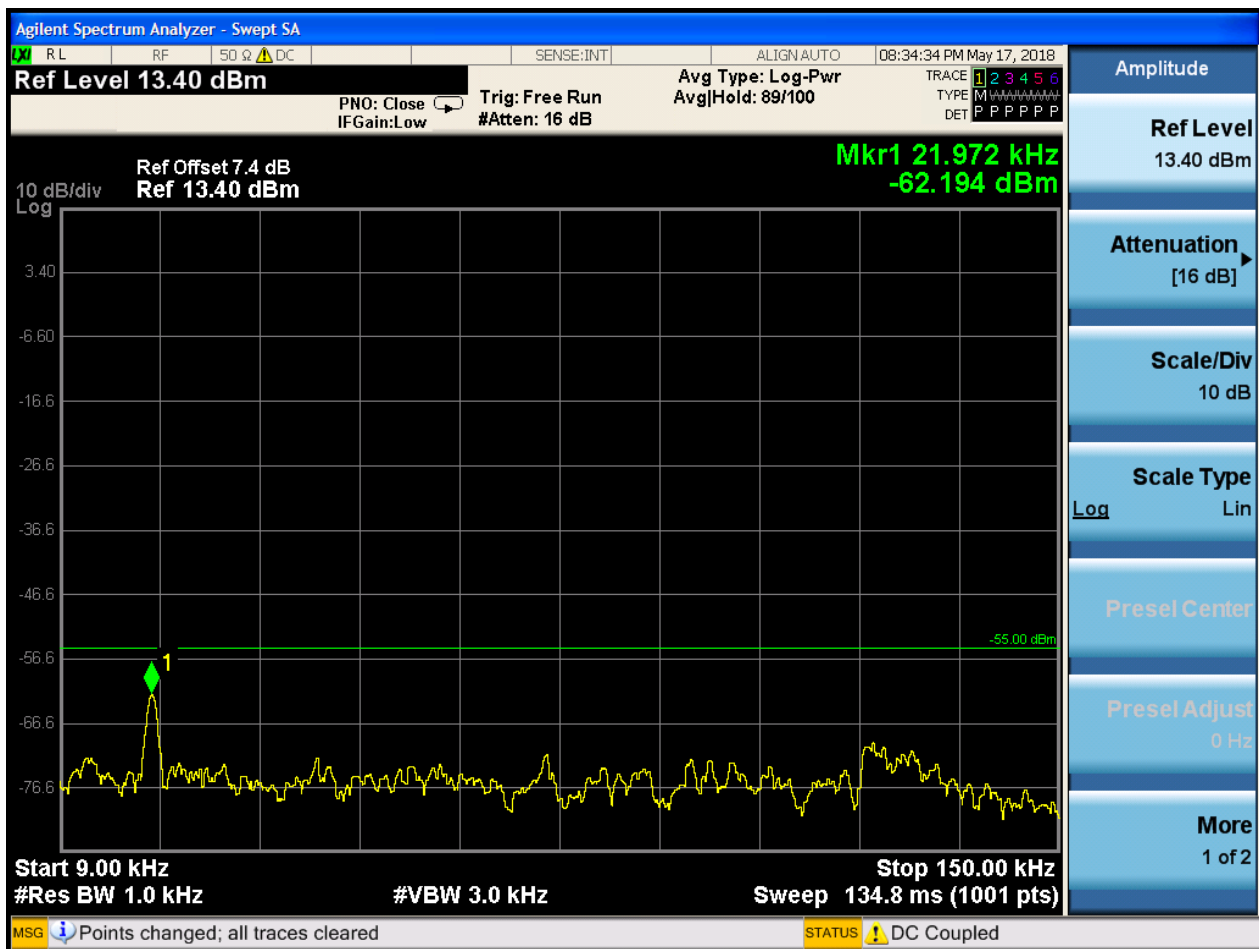


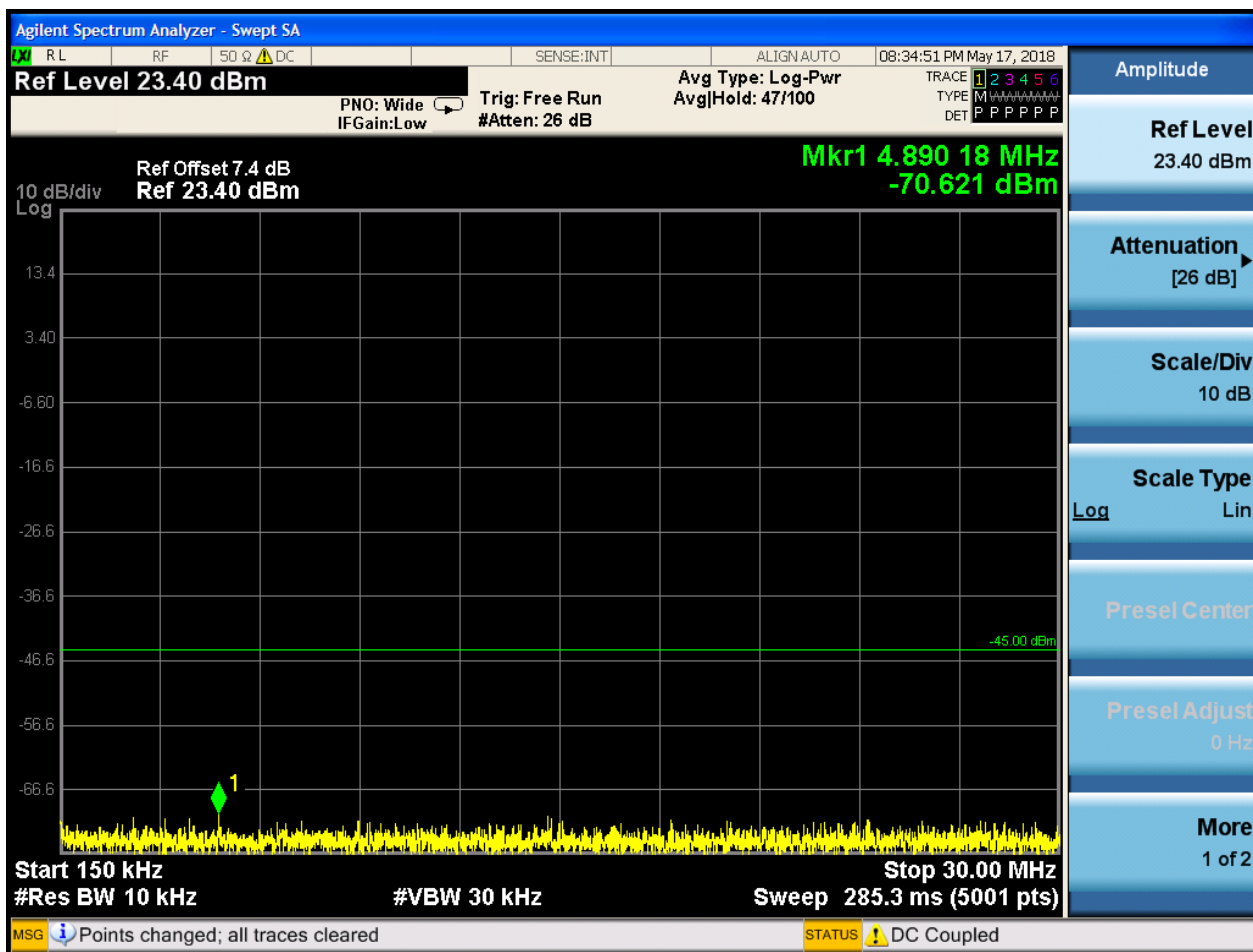


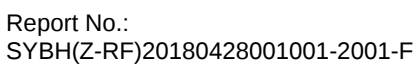
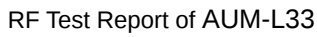
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

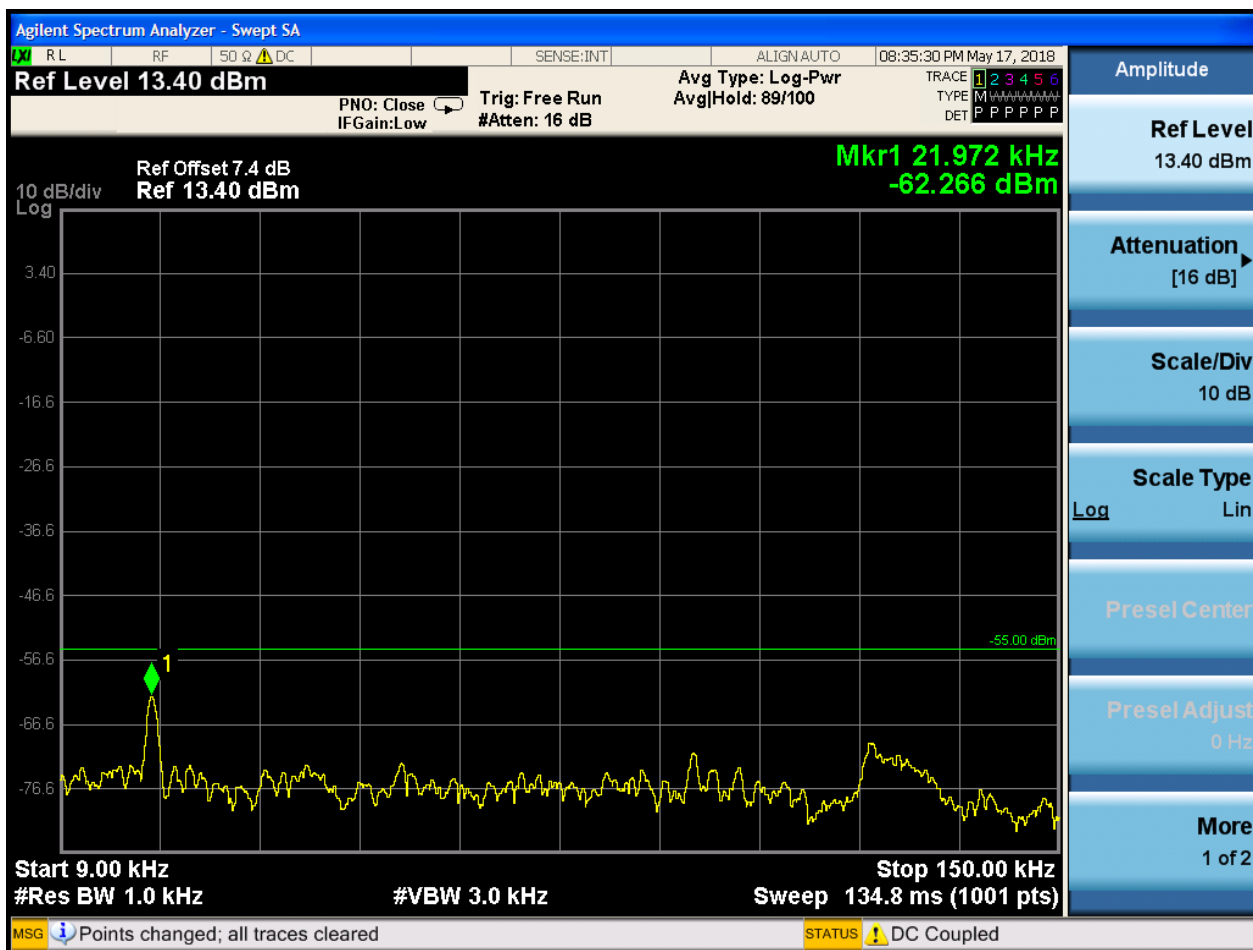


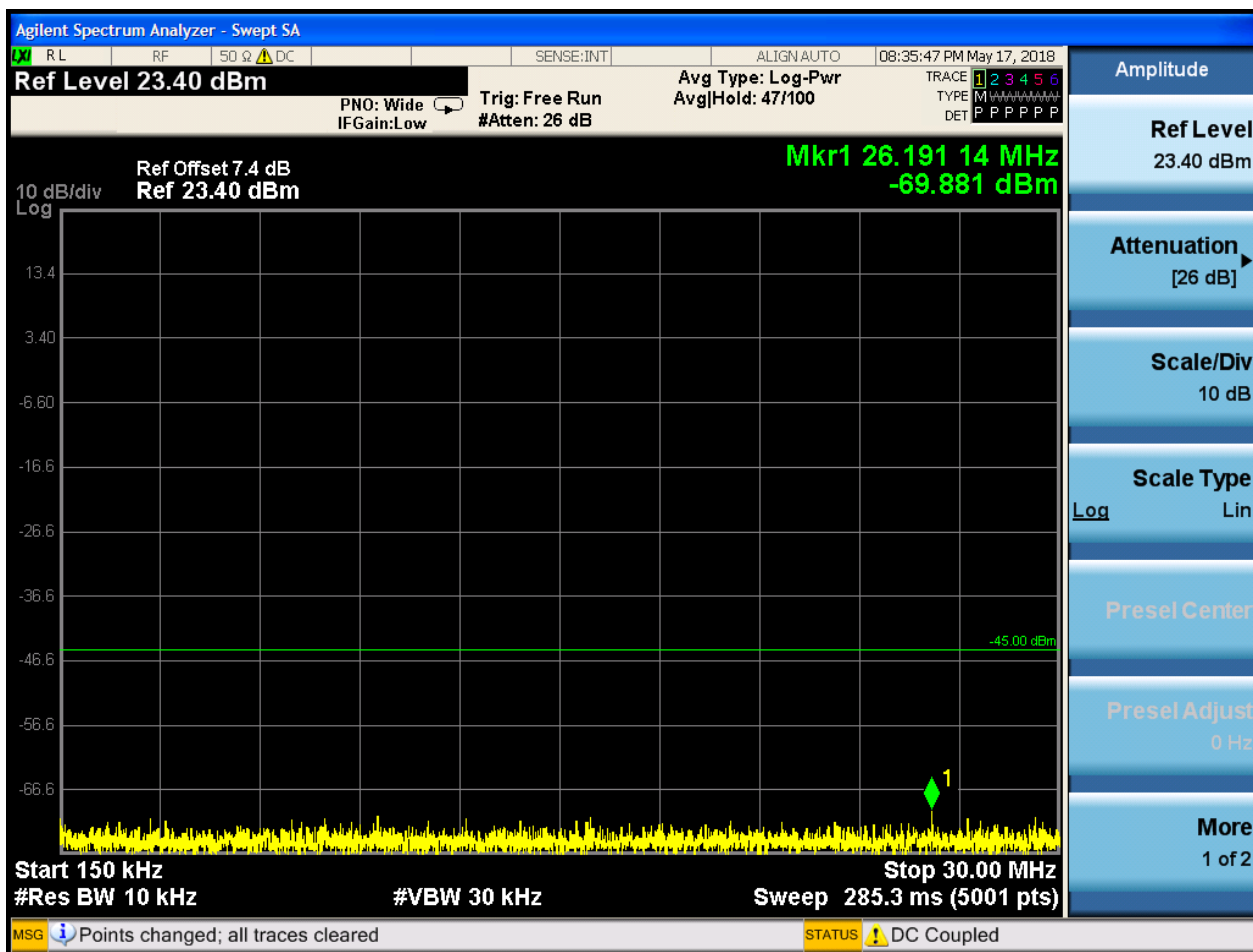


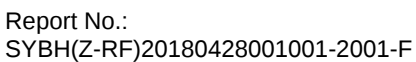
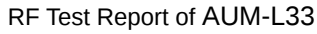


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



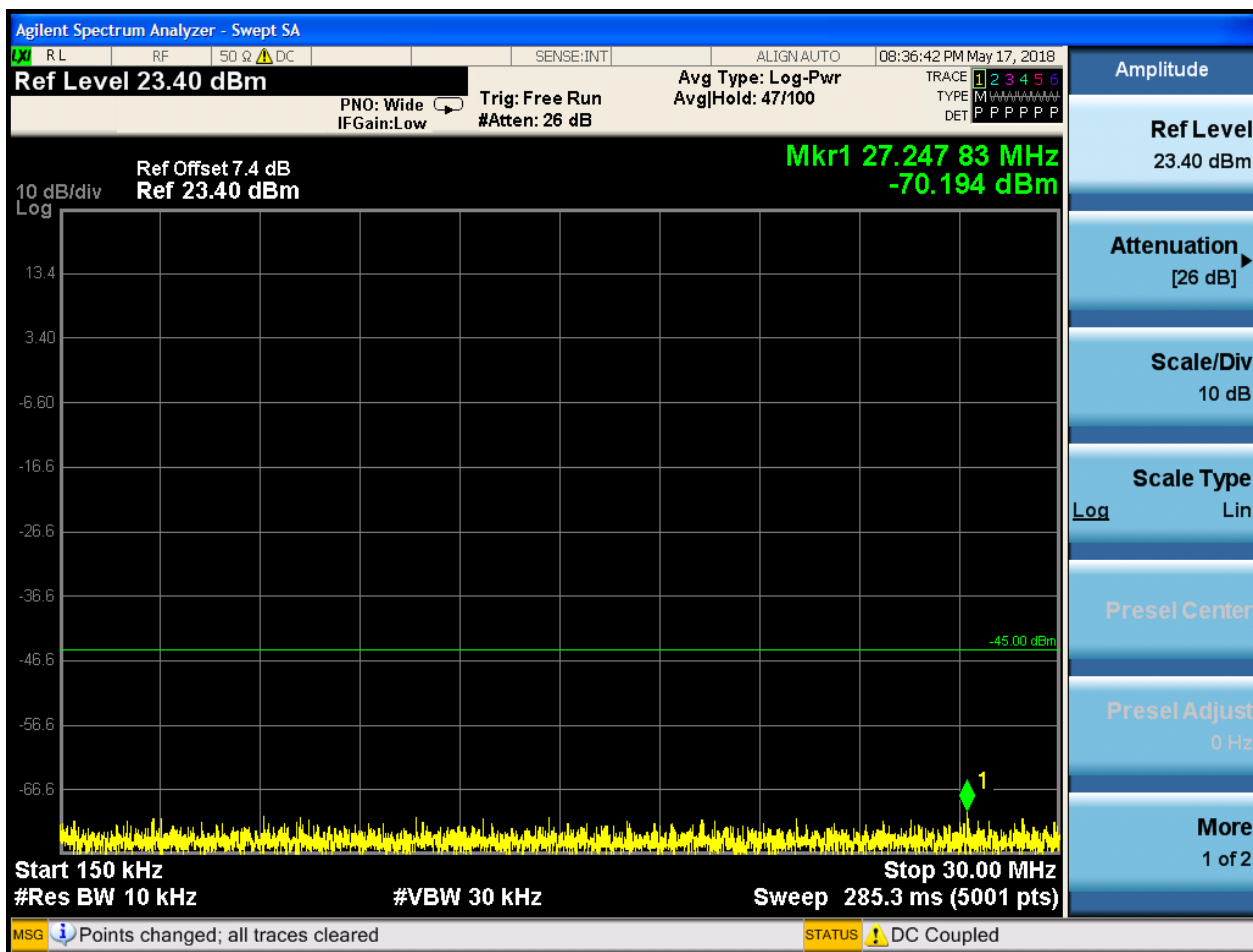


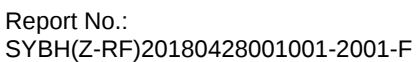
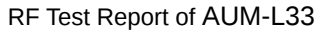


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







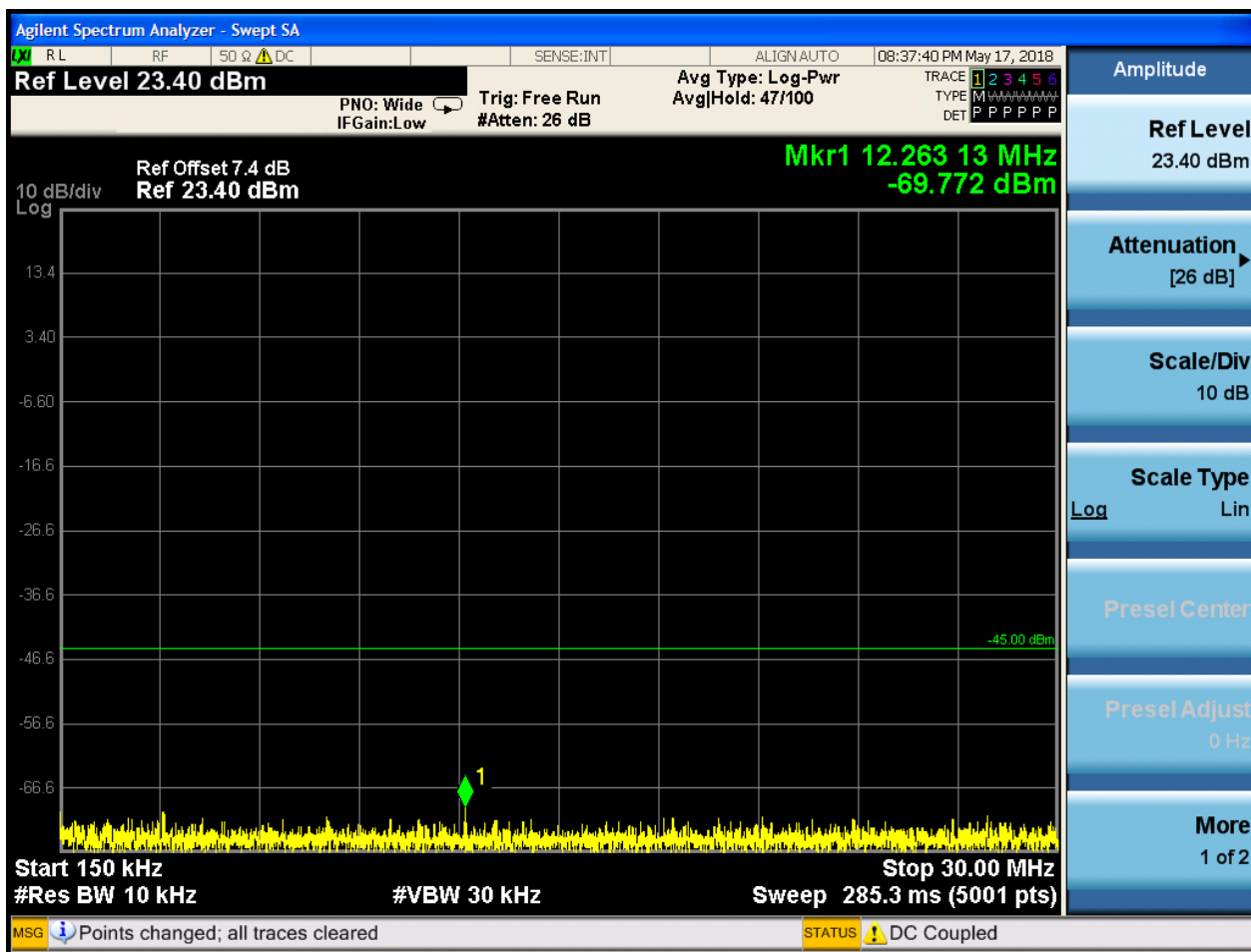


6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

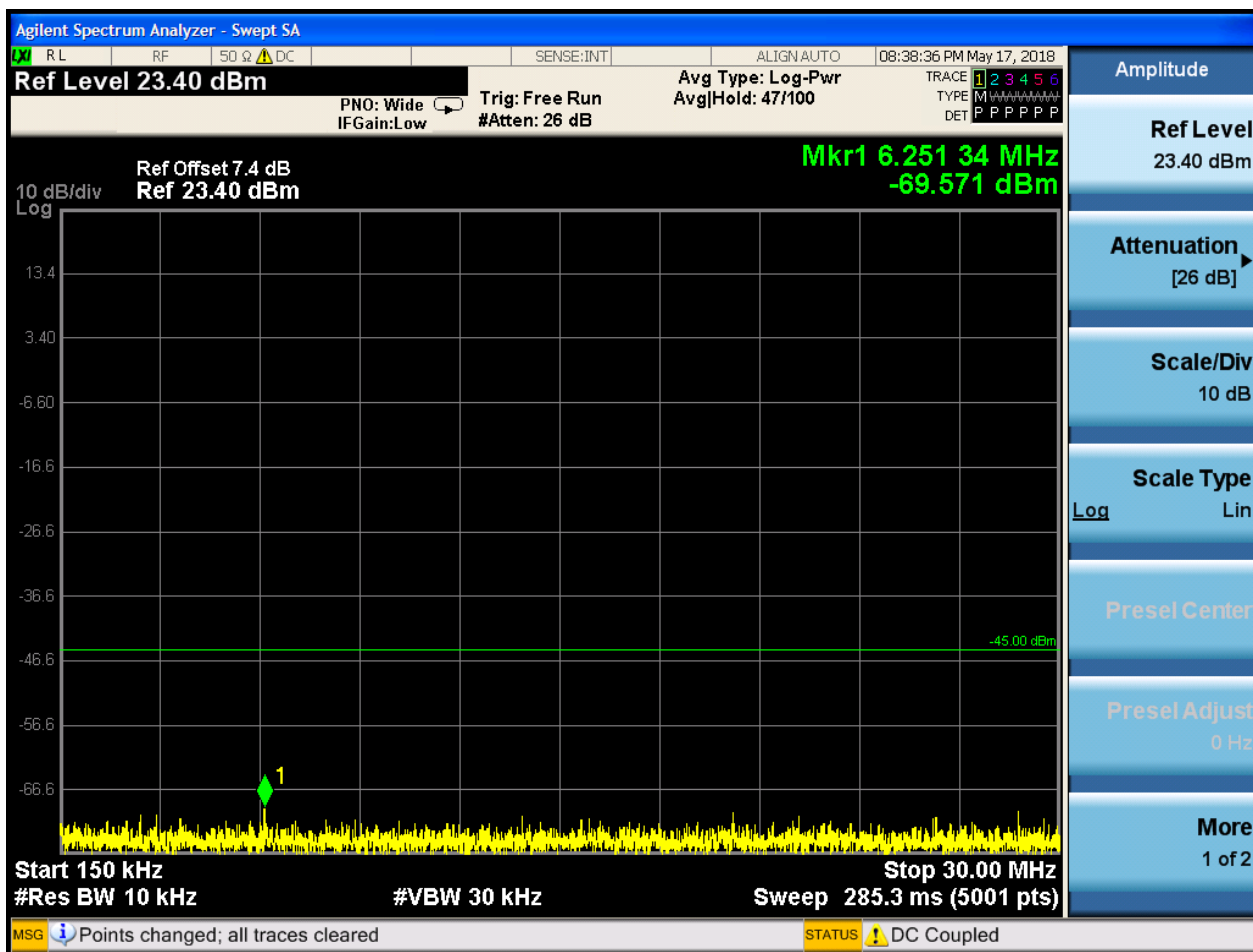


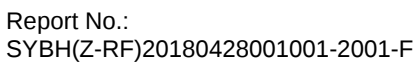
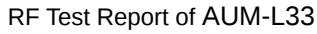


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

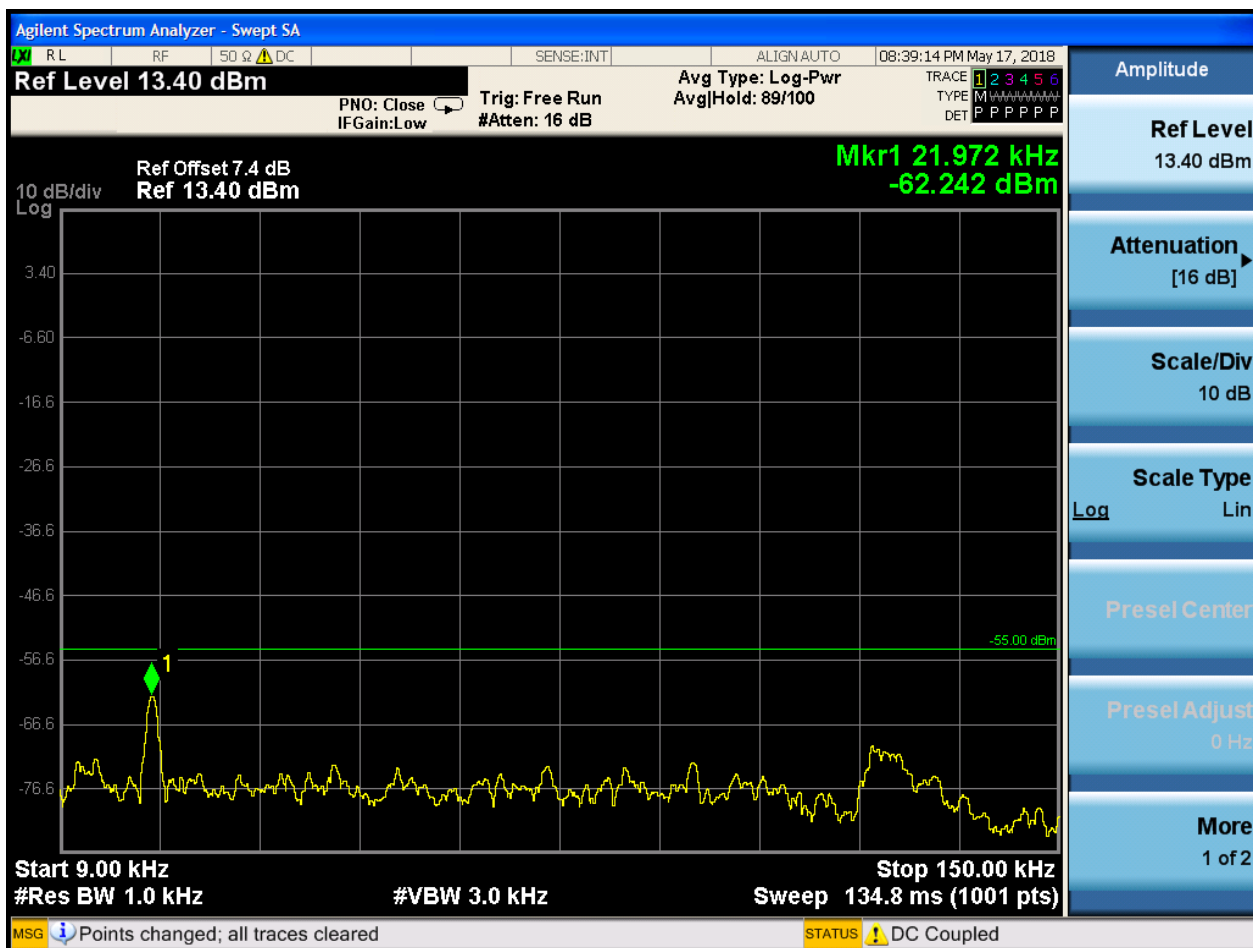


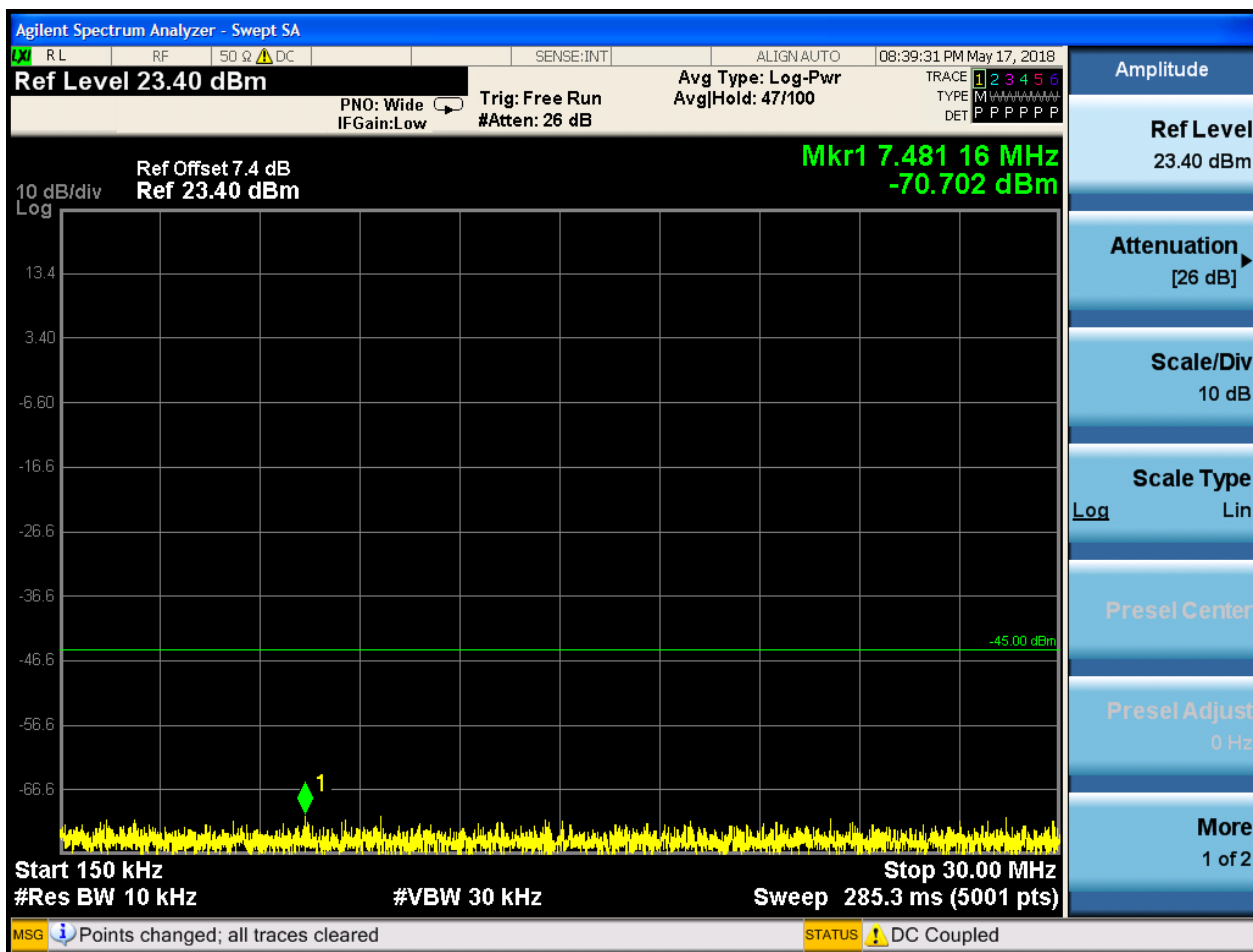


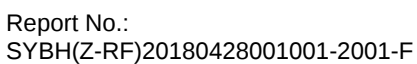
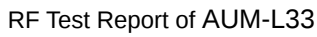


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



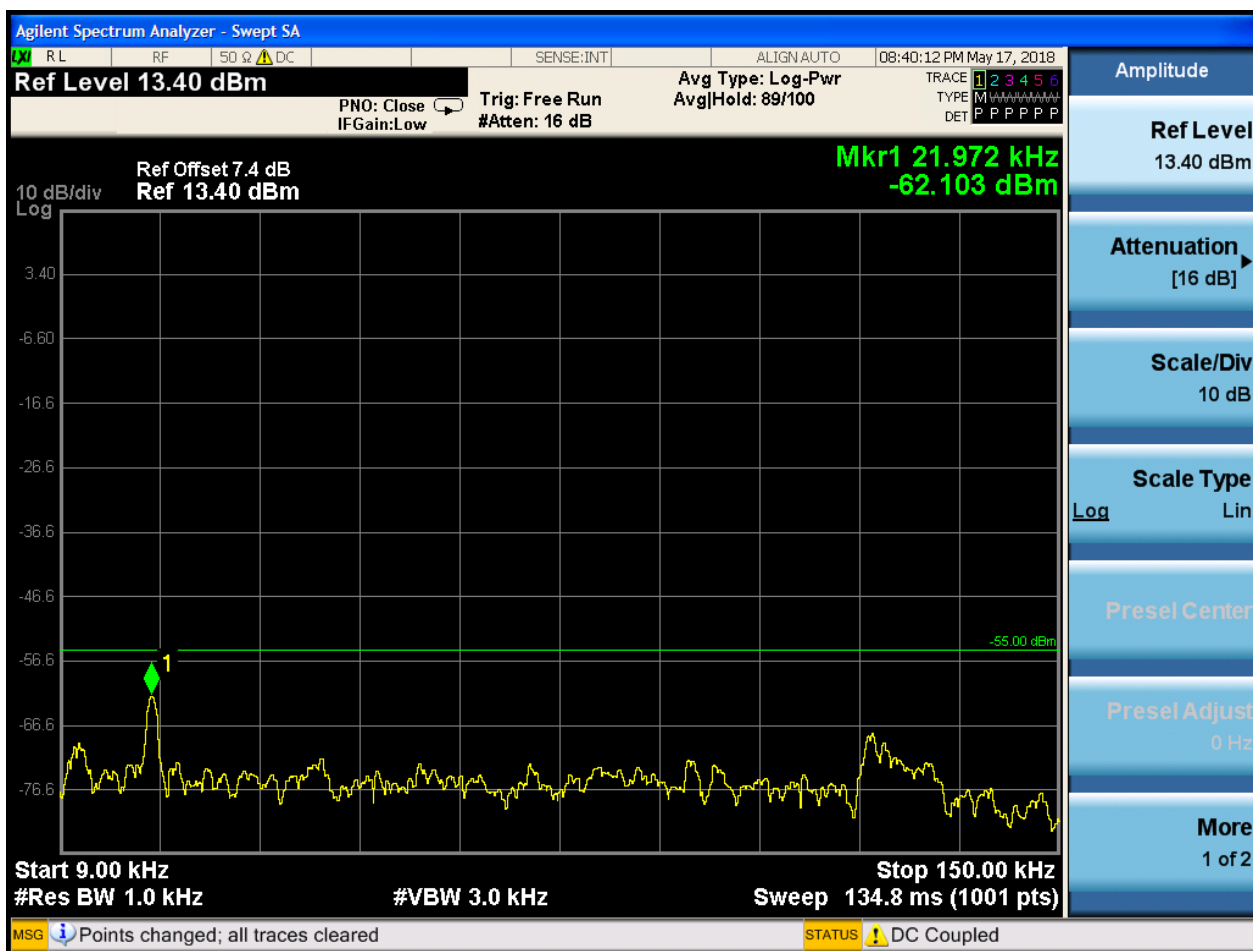


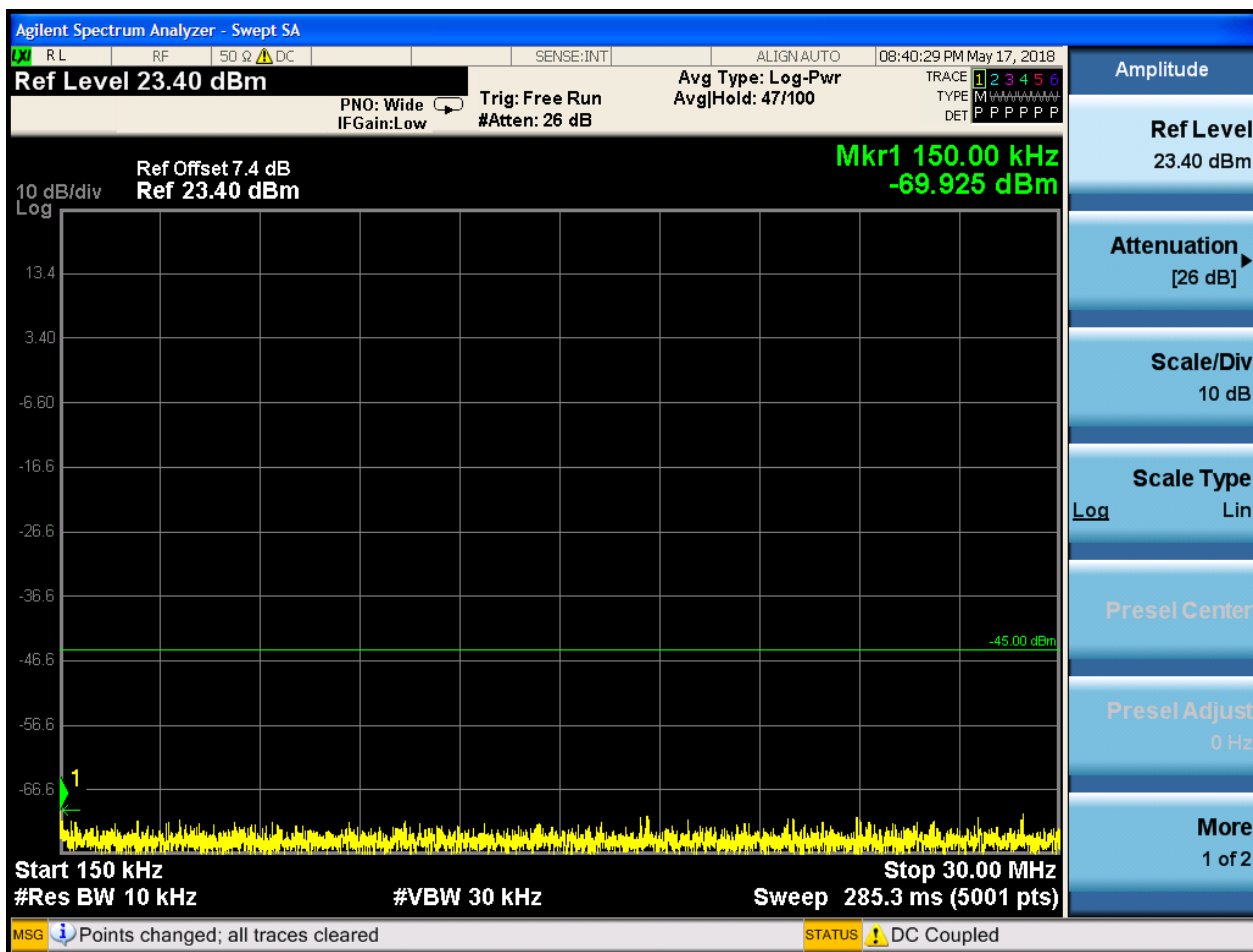


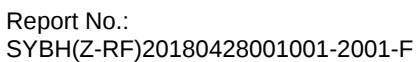
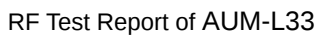
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



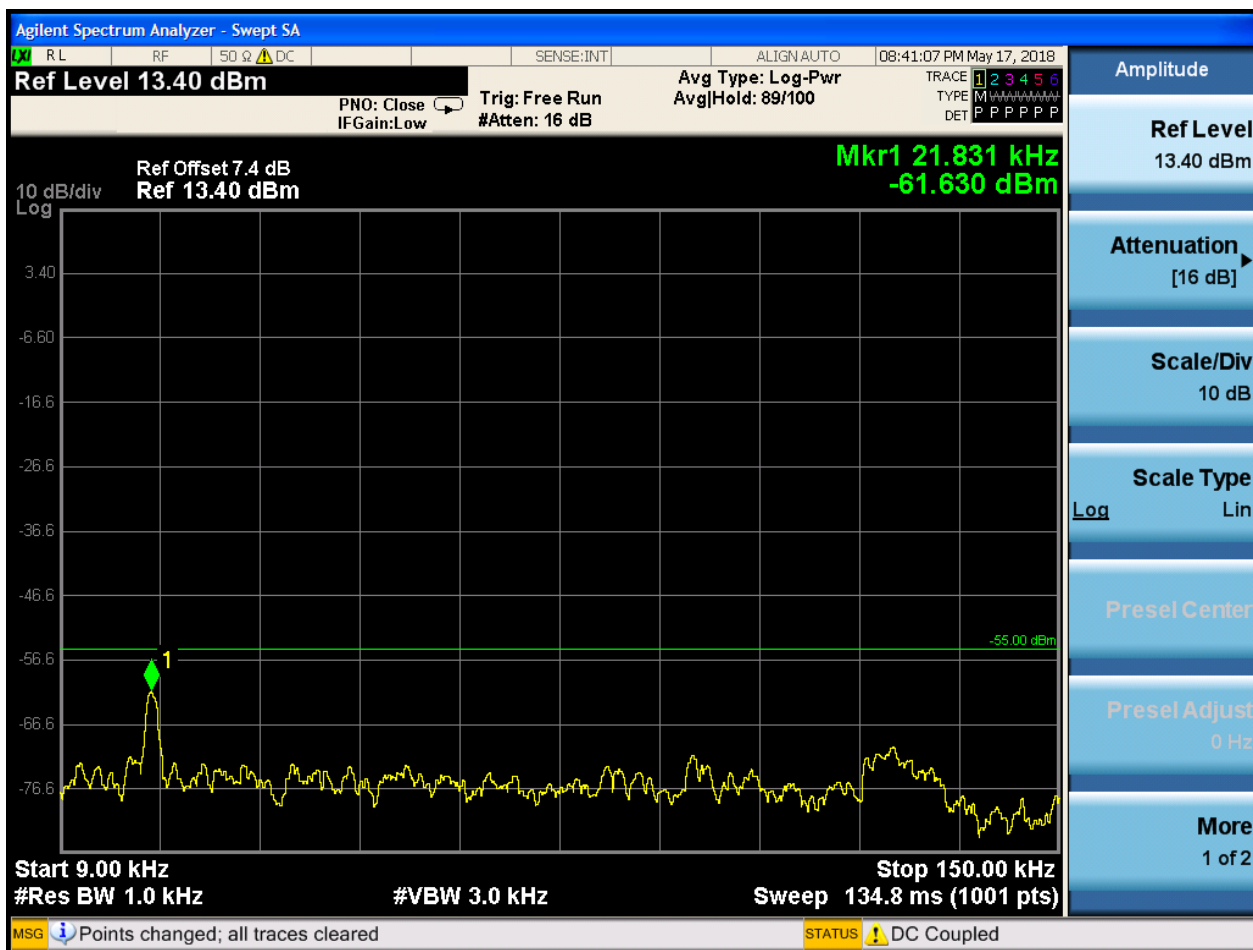


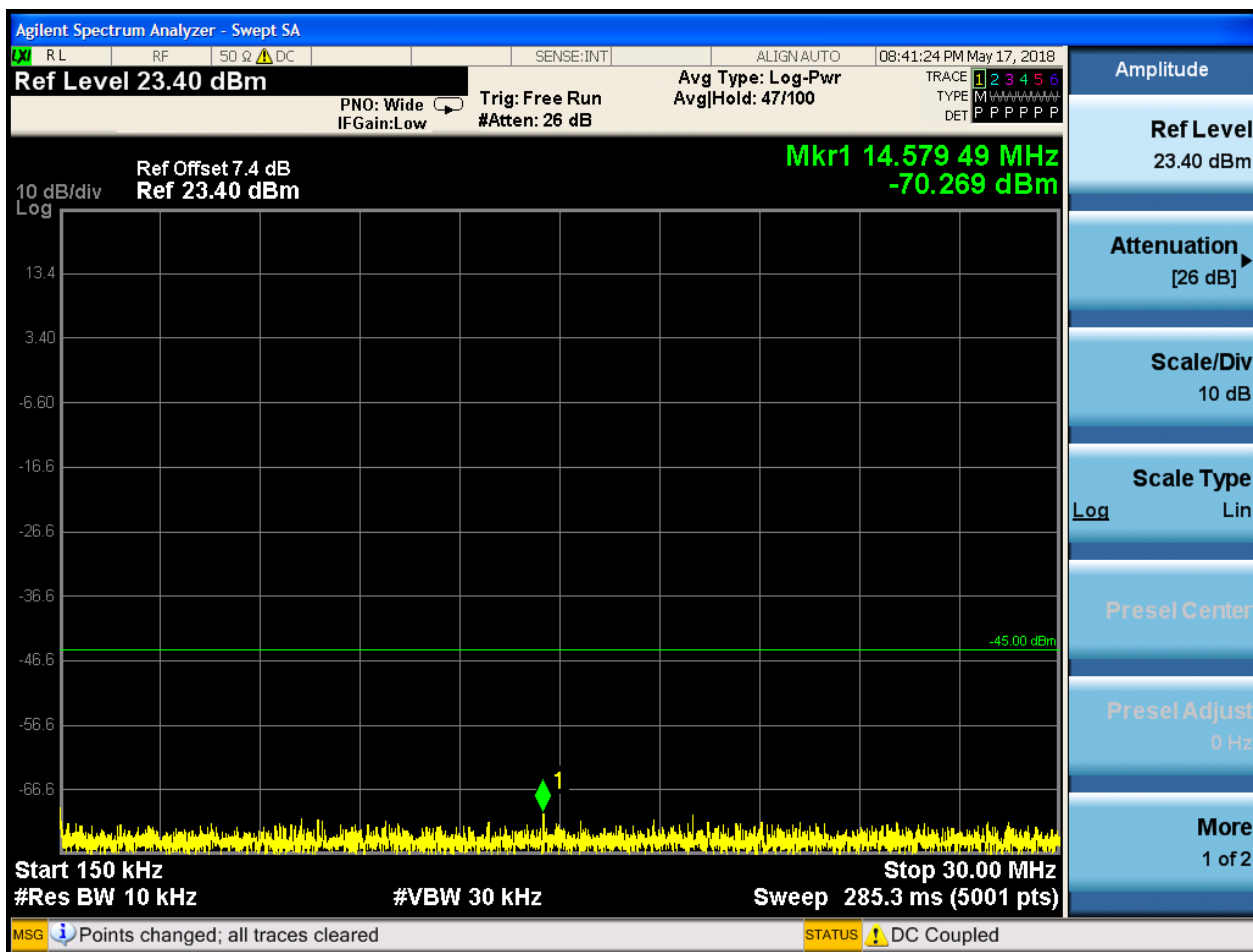


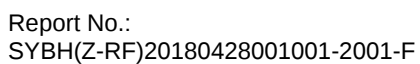
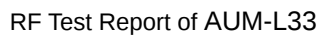


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

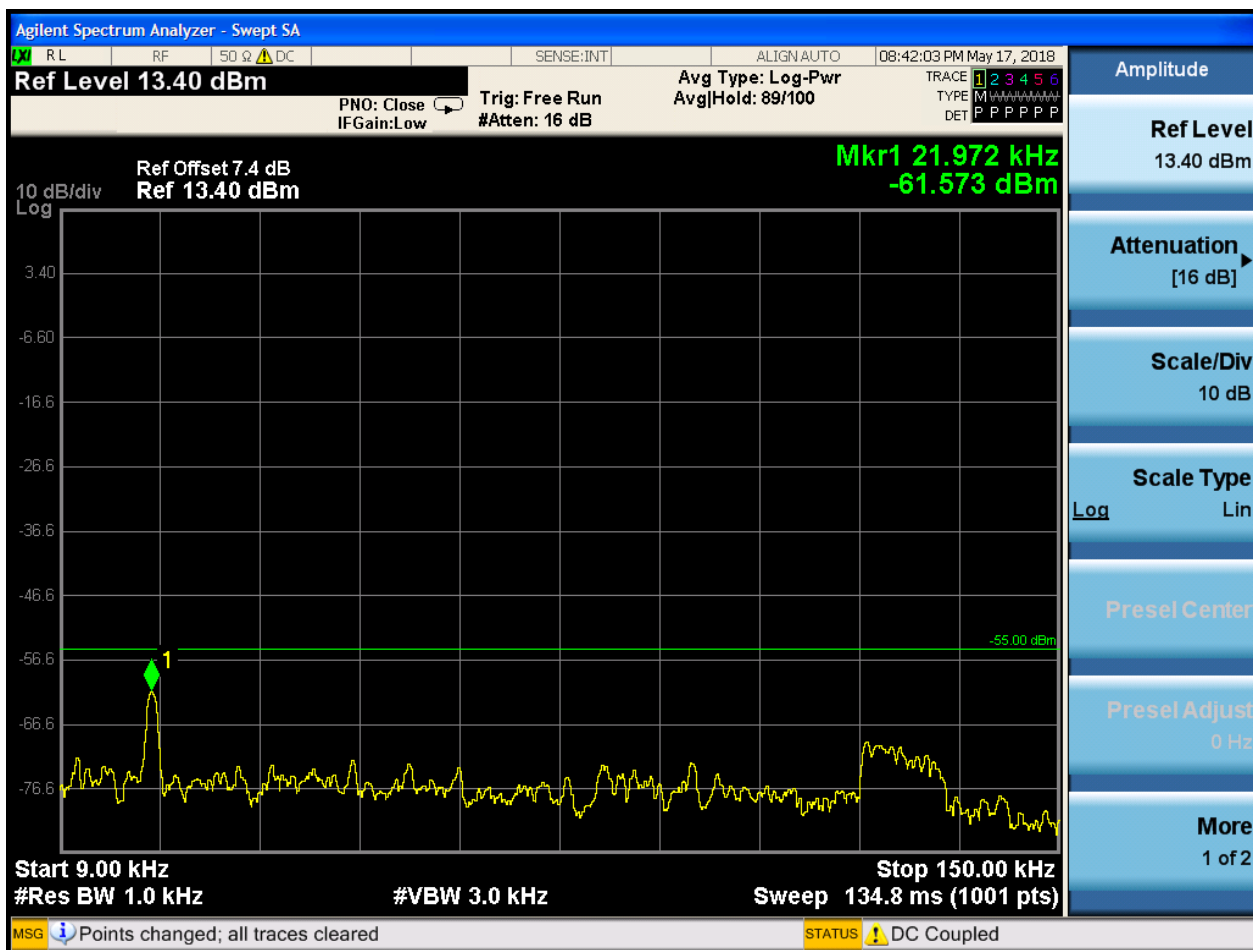


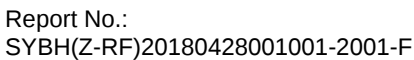
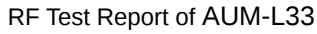


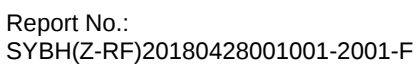
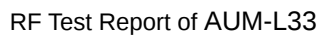


6.1.1.2.4.3 Test Channel = HCH

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.

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

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

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

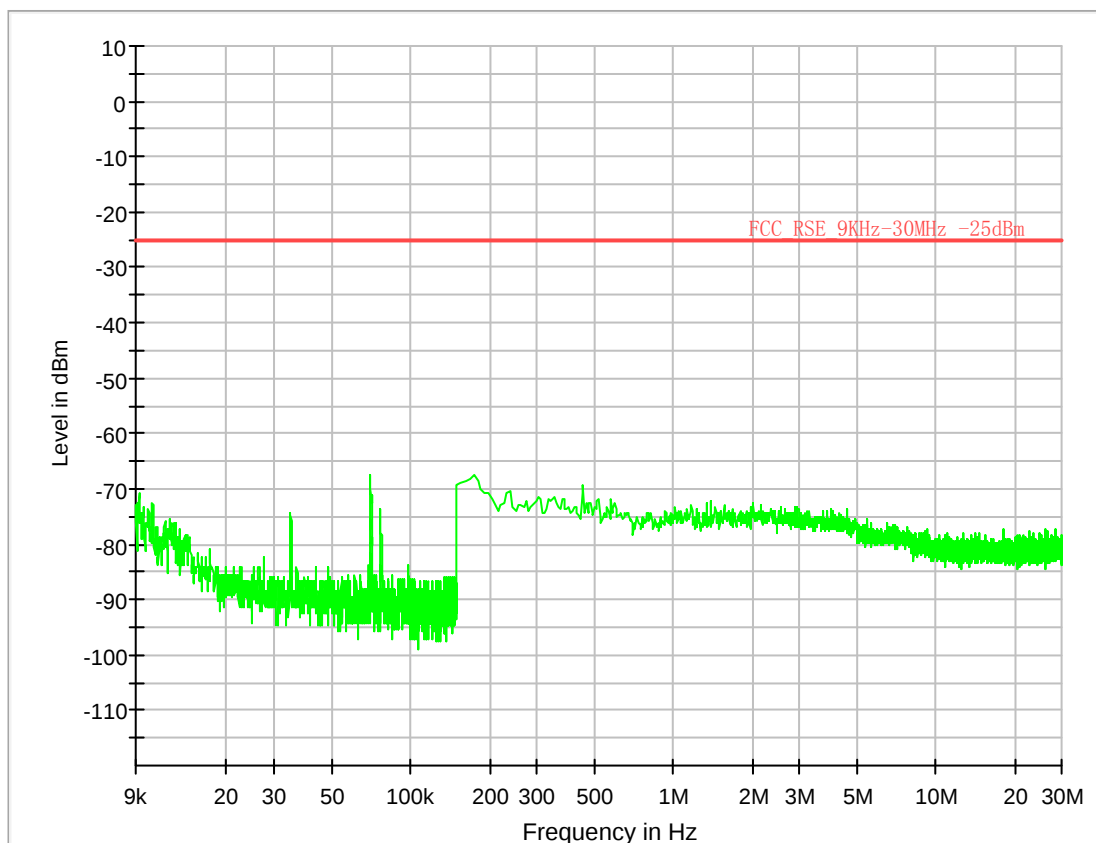
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

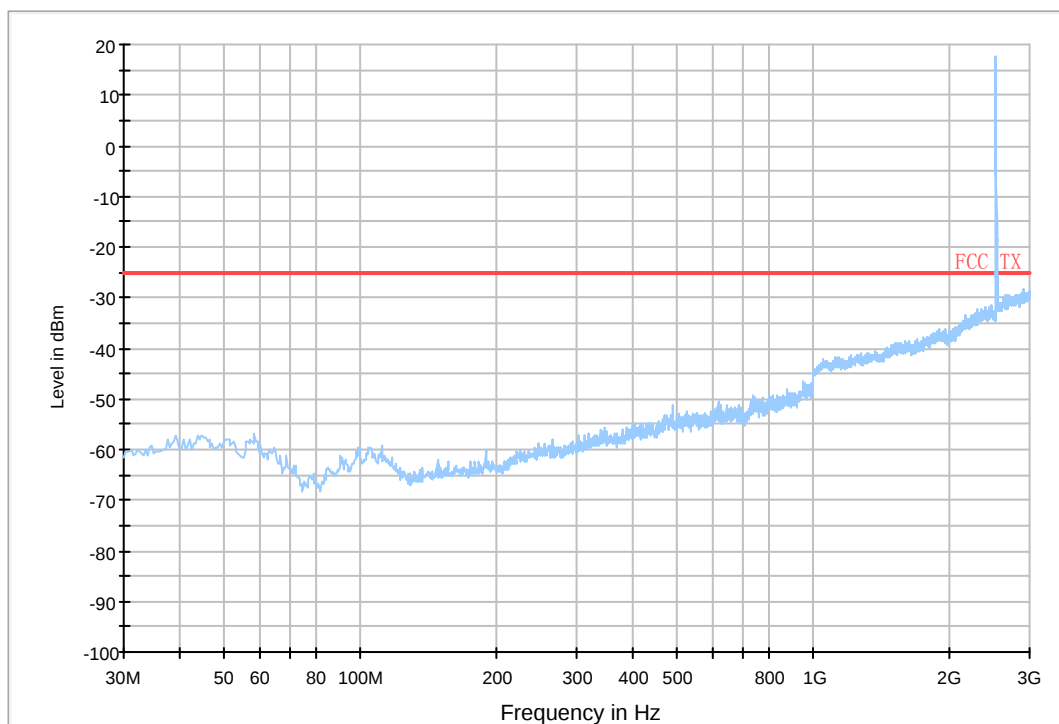
7.1 For LTE

7.1.1 Test Band = BAND7

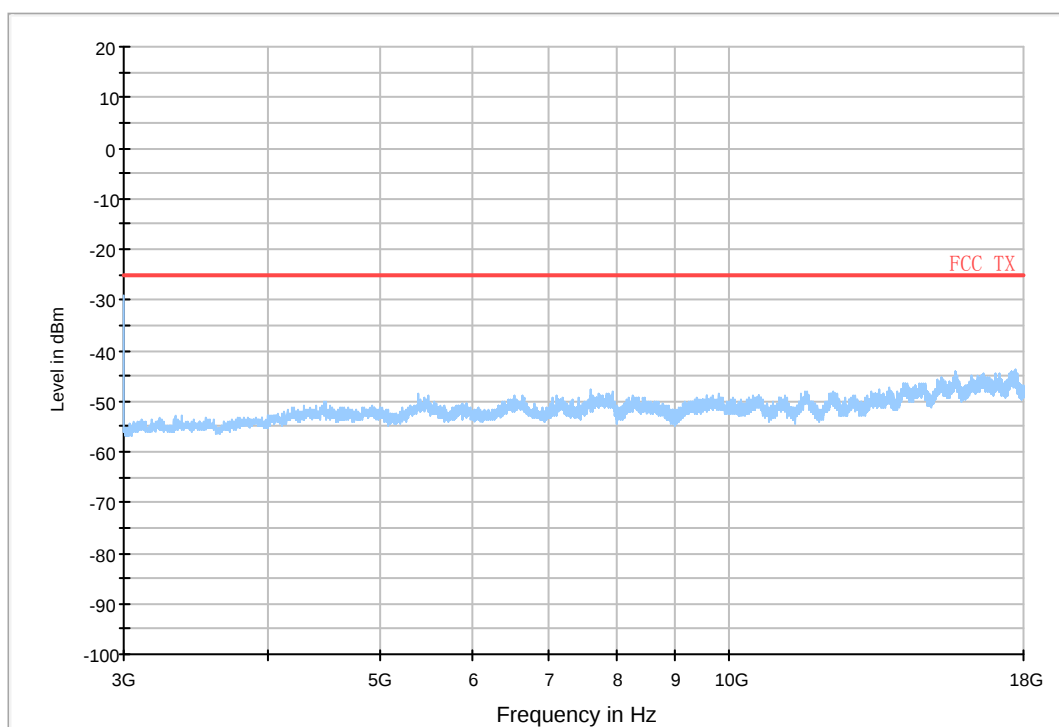
7.1.1.1 Test Bandwidth = 5



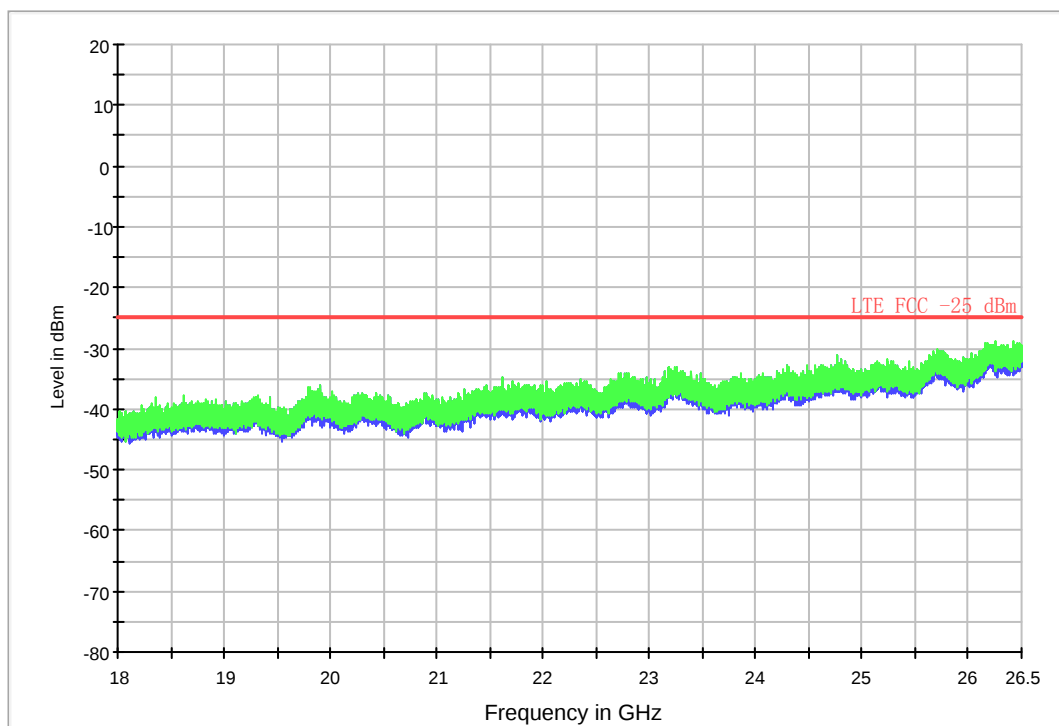
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



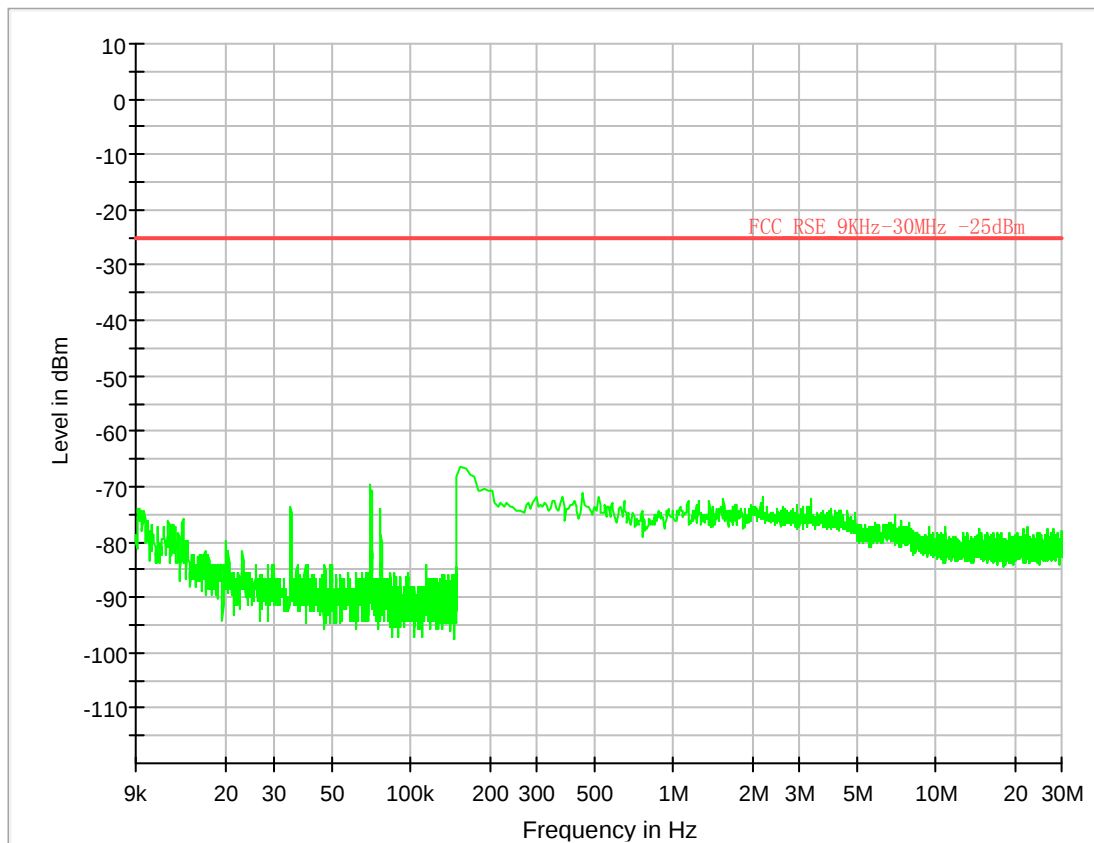
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



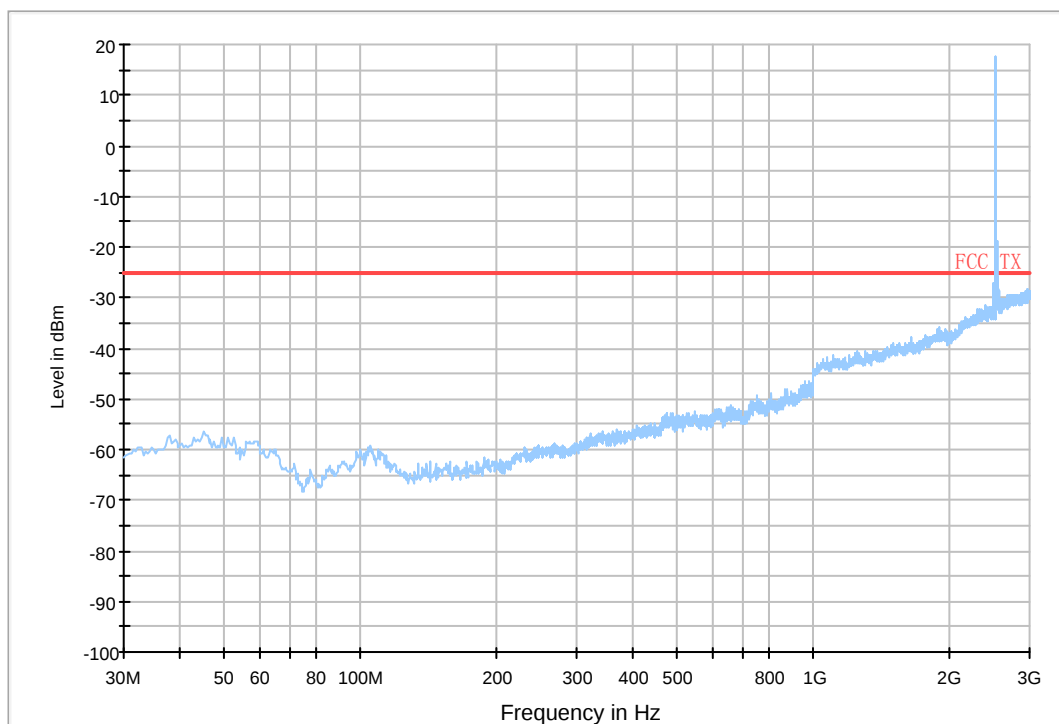
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



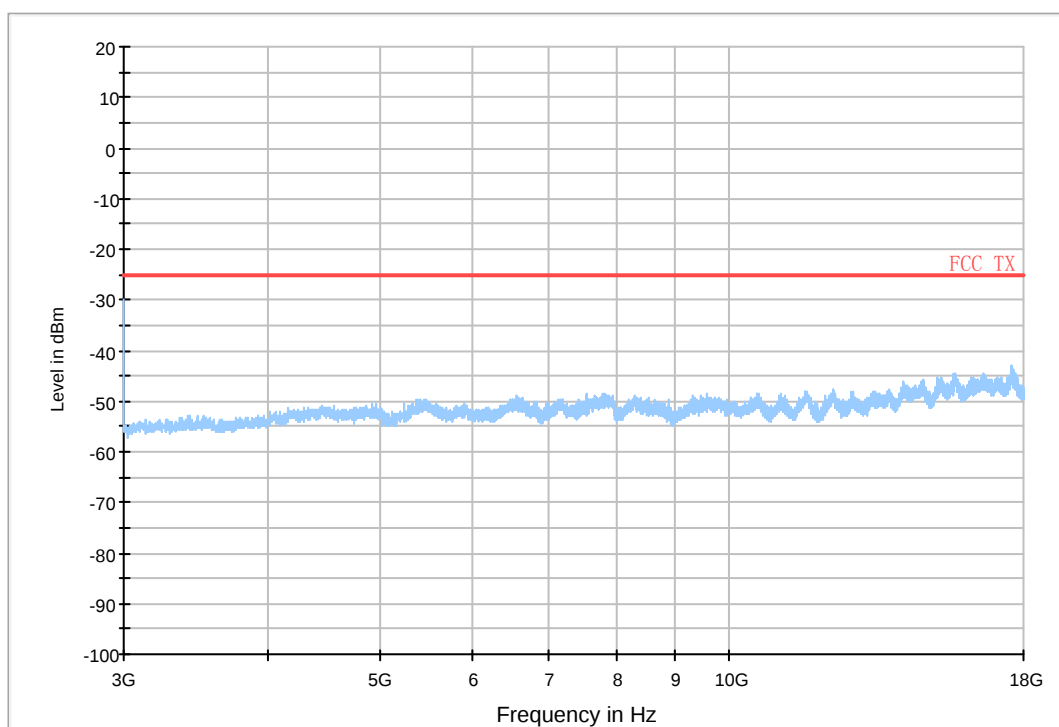
7.1.1.2 Test Bandwidth = 20



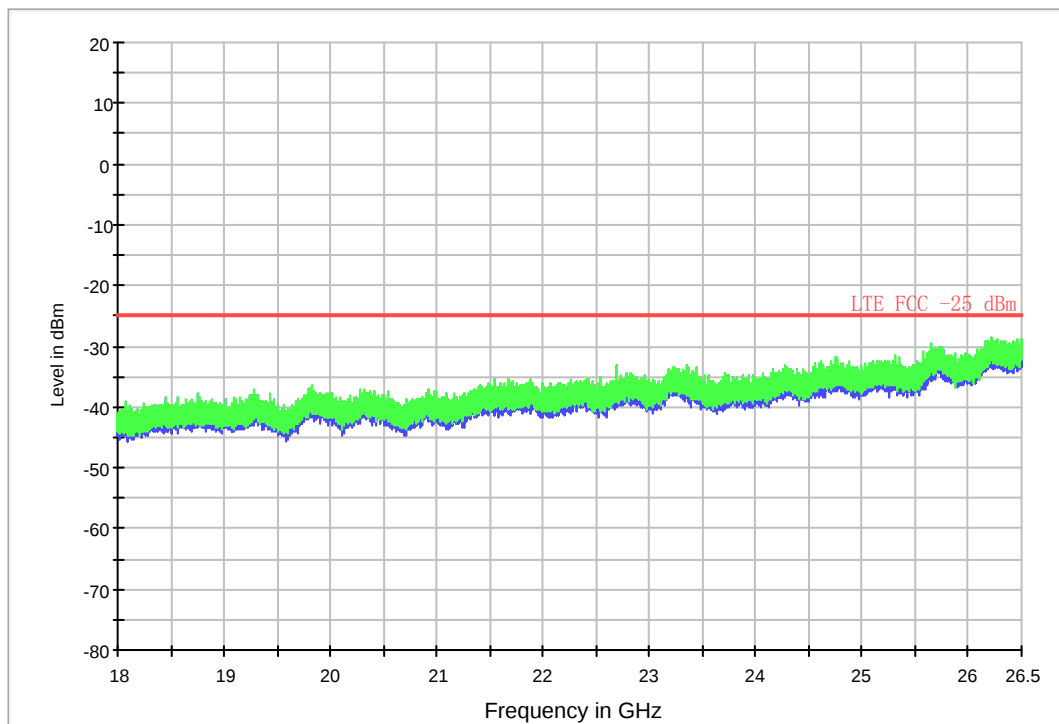
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



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	0.7	0.00028	PASS
					VN	2.7	0.00108	PASS
					VH	2.56	0.00102	PASS
			MCH	TN	VL	-4.28	-0.00169	PASS
					VN	-4.42	-0.00174	PASS
					VH	-2.98	-0.00118	PASS
			HCH	TN	VL	1.4	0.00055	PASS
					VN	-1.65	-0.00064	PASS
					VH	0.33	0.00013	PASS
		10	LCH	TN	VL	-2.88	-0.00115	PASS
					VN	-3.72	-0.00149	PASS
					VH	-2.96	-0.00118	PASS
			MCH	TN	VL	-3.18	-0.00125	PASS
					VN	-1.92	-0.00076	PASS
					VH	-3.46	-0.00136	PASS
			HCH	TN	VL	-2.86	-0.00112	PASS
					VN	-1.29	-0.0005	PASS
					VH	-2.06	-0.0008	PASS
		15	LCH	TN	VL	-0.43	-0.00017	PASS
					VN	0.54	0.00022	PASS
					VH	0.4	0.00016	PASS
			MCH	TN	VL	-3.95	-0.00156	PASS
					VN	-3.58	-0.00141	PASS
					VH	-3.35	-0.00132	PASS
			HCH	TN	VL	0.76	0.0003	PASS
					VN	1	0.00039	PASS
					VH	1.6	0.00062	PASS
		20	LCH	TN	VL	0.9	0.00036	PASS
					VN	1.14	0.00045	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				TN	VH	2.5	0.001	PASS
					VL	-3.78	-0.00149	PASS
					VN	-3.88	-0.00153	PASS
			MCH	TN	VH	-1.07	-0.00042	PASS
					VL	-1.2	-0.00047	PASS
					VN	0.34	0.00013	PASS
			HCH	TN	VH	-1.86	-0.00073	PASS
					VL	3.12	0.00125	PASS
					VN	1.34	0.00054	PASS
			LCH	TN	VH	2.12	0.00085	PASS
					VL	-1.66	-0.00065	PASS
					VN	-2.27	-0.0009	PASS
	LTE/TM2	5	MCH	TN	VH	-3.06	-0.00121	PASS
					VL	0.19	0.00007	PASS
					VN	0.89	0.00035	PASS
			HCH	TN	VH	0.03	0.00001	PASS
					VL	-1.57	-0.00063	PASS
					VN	-3.83	-0.00153	PASS
		10	MCH	TN	VH	-2.29	-0.00091	PASS
					VL	-3.93	-0.00155	PASS
					VN	-3.19	-0.00126	PASS
			HCH	TN	VH	-3.28	-0.00129	PASS
					VL	-3.18	-0.00124	PASS
					VN	-4.28	-0.00167	PASS
		15	LCH	TN	VH	-4.63	-0.00181	PASS
					VL	0.74	0.0003	PASS
					VN	-0.56	-0.00022	PASS
			MCH	TN	VH	-0.19	-0.00008	PASS
					VL	-4.31	-0.0017	PASS
					VN	-4.41	-0.00174	PASS
		20	HCH	TN	VH	-3.72	-0.00147	PASS
					VL	1.29	0.0005	PASS
					VN	0.96	0.00037	PASS
			LCH	TN	VH	3.55	0.00139	PASS
					VL	1.87	0.00075	PASS
					VN	0.64	0.00025	PASS
			MCH	TN	VH	2.69	0.00107	PASS
					VL	-4.06	-0.0016	PASS
				TN	VH	-4.11	-0.00162	PASS
					VN	-4.11	-0.00162	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	-3.3	-0.0013	PASS
					VL	0.73	0.00029	PASS
					VN	1.17	0.00046	PASS
					VH	-0.39	-0.00015	PASS

8.1.2Frequency 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	1.69	0.00068	PASS
					-20	3.13	0.00125	PASS
					-10	2.63	0.00105	PASS
					0	1.43	0.00057	PASS
					10	0.53	0.00021	PASS
					20	2.03	0.00081	PASS
					30	3.25	0.0013	PASS
					40	0.79	0.00032	PASS
					50	-0.21	-0.00008	PASS
			MCH	VN	-30	-2.43	-0.00096	PASS
					-20	-3.56	-0.0014	PASS
					-10	-1.79	-0.00071	PASS
					0	-2.82	-0.00111	PASS
					10	-3.12	-0.00123	PASS
					20	-2.66	-0.00105	PASS
					30	-3.25	-0.00128	PASS
					40	-2.68	-0.00106	PASS
					50	-3.83	-0.00151	PASS
			HCH	VN	-30	1.69	0.00066	PASS
					-20	-0.4	-0.00016	PASS
					-10	-0.37	-0.00014	PASS
					0	3.6	0.0014	PASS
					10	1.43	0.00056	PASS
					20	1.24	0.00048	PASS
					30	0.34	0.00013	PASS
					40	0.43	0.00017	PASS
					50	1.62	0.00063	PASS
		10	LCH	VN	-30	-3.13	-0.00125	PASS
					-20	-3.18	-0.00127	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15			-10	-4.08	-0.00163	PASS
					0	-4.46	-0.00178	PASS
					10	-2.95	-0.00118	PASS
					20	-4.18	-0.00167	PASS
					30	-3.62	-0.00145	PASS
					40	-4.36	-0.00174	PASS
					50	-2.79	-0.00111	PASS
			MCH	VN	-30	-3.18	-0.00125	PASS
					-20	-3.66	-0.00144	PASS
					-10	-4.08	-0.00161	PASS
					0	-2.89	-0.00114	PASS
					10	-3.59	-0.00142	PASS
					20	-3.43	-0.00135	PASS
					30	-4.49	-0.00177	PASS
					40	-3.13	-0.00123	PASS
					50	-3.6	-0.00142	PASS
			HCH	VN	-30	-4.13	-0.00161	PASS
					-20	-4.92	-0.00192	PASS
					-10	-2.55	-0.00099	PASS
					0	-3.36	-0.00131	PASS
					10	-3.03	-0.00118	PASS
					20	-5.12	-0.002	PASS
					30	-3.78	-0.00147	PASS
					40	-0.74	-0.00029	PASS
					50	-3.83	-0.00149	PASS
			LCH	VN	-30	0.82	0.00033	PASS
					-20	-0.1	-0.00004	PASS
					-10	-0.6	-0.00024	PASS
					0	-1.54	-0.00061	PASS
					10	-1.73	-0.00069	PASS
					20	-0.79	-0.00032	PASS
					30	4.94	0.00197	PASS
					40	-0.41	-0.00016	PASS
					50	0.51	0.0002	PASS
			MCH	VN	-30	-3.68	-0.00145	PASS
					-20	-3.75	-0.00148	PASS
					-10	-3.03	-0.0012	PASS
					0	-4.22	-0.00166	PASS
					10	-2.26	-0.00089	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-2.19	-0.00086	PASS
					30	-1.77	-0.0007	PASS
					40	-3.81	-0.0015	PASS
					50	-4.21	-0.00166	PASS
			HCH	VN	-30	0.79	0.00031	PASS
					-20	1.8	0.0007	PASS
					-10	2.45	0.00096	PASS
					0	0.79	0.00031	PASS
					10	0.47	0.00018	PASS
					20	2.63	0.00103	PASS
					30	0.24	0.00009	PASS
					40	1.26	0.00049	PASS
					50	4.12	0.00161	PASS
		20	LCH	VN	-30	2.43	0.00097	PASS
					-20	2.43	0.00097	PASS
					-10	1.77	0.00071	PASS
					0	1.53	0.00061	PASS
					10	0.92	0.00037	PASS
					20	2.52	0.001	PASS
					30	-0.37	-0.00015	PASS
					40	1.43	0.00057	PASS
					50	1.44	0.00057	PASS
			MCH	VN	-30	-4.61	-0.00182	PASS
					-20	-3.98	-0.00157	PASS
					-10	-3.73	-0.00147	PASS
					0	-3.72	-0.00147	PASS
					10	-3.19	-0.00126	PASS
					20	-3.6	-0.00142	PASS
					30	-3.1	-0.00122	PASS
					40	-5.56	-0.00219	PASS
					50	-1.59	-0.00063	PASS
			HCH	VN	-30	-1.03	-0.0004	PASS
					-20	-0.26	-0.0001	PASS
					-10	-0.69	-0.00027	PASS
					0	1.16	0.00045	PASS
					10	-0.36	-0.00014	PASS
					20	0.09	0.00004	PASS
					30	0.01	0	PASS
					40	0.26	0.0001	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	LCH	VN	50	0.07	0.00003	PASS
					-30	1.04	0.00042	PASS
					-20	0.79	0.00032	PASS
					-10	2.07	0.00083	PASS
					0	2.56	0.00102	PASS
					10	1.1	0.00044	PASS
					20	0.53	0.00021	PASS
					30	1.79	0.00072	PASS
					40	3.23	0.00129	PASS
					50	2.69	0.00107	PASS
			MCH	VN	-30	-3.28	-0.00129	PASS
					-20	-2.35	-0.00093	PASS
					-10	-3.4	-0.00134	PASS
					0	-3.62	-0.00143	PASS
					10	-2.52	-0.00099	PASS
					20	-2.96	-0.00117	PASS
					30	-3.89	-0.00153	PASS
					40	-3.2	-0.00126	PASS
					50	-2.25	-0.00089	PASS
			HCH	VN	-30	-1.09	-0.00042	PASS
					-20	-1.72	-0.00067	PASS
					-10	-3.06	-0.00119	PASS
					0	0.72	0.00028	PASS
					10	1.12	0.00044	PASS
					20	0.1	0.00004	PASS
					30	2.19	0.00085	PASS
					40	-1.29	-0.0005	PASS
					50	0.97	0.00038	PASS
		10	LCH	VN	-30	-2.27	-0.00091	PASS
					-20	-3.92	-0.00156	PASS
					-10	-2.47	-0.00099	PASS
					0	-2.99	-0.00119	PASS
					10	-3.91	-0.00156	PASS
					20	-4.41	-0.00176	PASS
					30	-2.88	-0.00115	PASS
					40	-3.3	-0.00132	PASS
					50	-3.12	-0.00125	PASS
			MCH	VN	-30	-3.4	-0.00134	PASS
					-20	-4.68	-0.00185	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-2.5	-0.00099	PASS
					0	-2.25	-0.00089	PASS
					10	-1.77	-0.0007	PASS
					20	-5.49	-0.00217	PASS
					30	-1.27	-0.0005	PASS
					40	-3.89	-0.00153	PASS
					50	-5.02	-0.00198	PASS
			HCH	VN	-30	-3.49	-0.00136	PASS
					-20	-2.92	-0.00114	PASS
					-10	-4.02	-0.00157	PASS
					0	-2.43	-0.00095	PASS
					10	-4.79	-0.00187	PASS
					20	-4.28	-0.00167	PASS
					30	-3.23	-0.00126	PASS
					40	-4.68	-0.00182	PASS
					50	-6.81	-0.00265	PASS
		15	LCH	VN	-30	-1.2	-0.00048	PASS
					-20	-1.04	-0.00041	PASS
					-10	-0.5	-0.0002	PASS
					0	-1.56	-0.00062	PASS
					10	2.99	0.00119	PASS
					20	-1.32	-0.00053	PASS
					30	5.31	0.00212	PASS
					40	-0.06	-0.00002	PASS
					50	-1.04	-0.00041	PASS
			MCH	VN	-30	-2.93	-0.00116	PASS
					-20	-2.46	-0.00097	PASS
					-10	-5.02	-0.00198	PASS
					0	-4.31	-0.0017	PASS
					10	-3.95	-0.00156	PASS
					20	-4.99	-0.00197	PASS
					30	-6.08	-0.0024	PASS
					40	-2.46	-0.00097	PASS
					50	-4.53	-0.00179	PASS
			HCH	VN	-30	1.53	0.0006	PASS
					-20	1.27	0.0005	PASS
					-10	1.09	0.00043	PASS
					0	2.29	0.00089	PASS
					10	2.12	0.00083	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	1.39	0.00054	PASS
					30	0.34	0.00013	PASS
					40	1.7	0.00066	PASS
					50	1.4	0.00055	PASS
		20	LCH	VN	-30	0.26	0.0001	PASS
					-20	0.57	0.00023	PASS
					-10	4.31	0.00172	PASS
					0	2.05	0.00082	PASS
					10	2.26	0.0009	PASS
					20	2.52	0.001	PASS
					30	2.75	0.0011	PASS
					40	0.59	0.00024	PASS
					50	2.6	0.00104	PASS
			MCH	VN	-30	-1.46	-0.00058	PASS
					-20	-4.33	-0.00171	PASS
					-10	-3.68	-0.00145	PASS
					0	-2.07	-0.00082	PASS
					10	-3.75	-0.00148	PASS
					20	-5.68	-0.00224	PASS
					30	-5.46	-0.00215	PASS
					40	-2.62	-0.00103	PASS
					50	-5.58	-0.0022	PASS
			HCH	VN	-30	-1.6	-0.00063	PASS
					-20	0.69	0.00027	PASS
					-10	0.72	0.00028	PASS
					0	-0.67	-0.00026	PASS
					10	-0.96	-0.00038	PASS
					20	0.72	0.00028	PASS
					30	1.13	0.00044	PASS
					40	0.16	0.00006	PASS
					50	-0.2	-0.00008	PASS

END