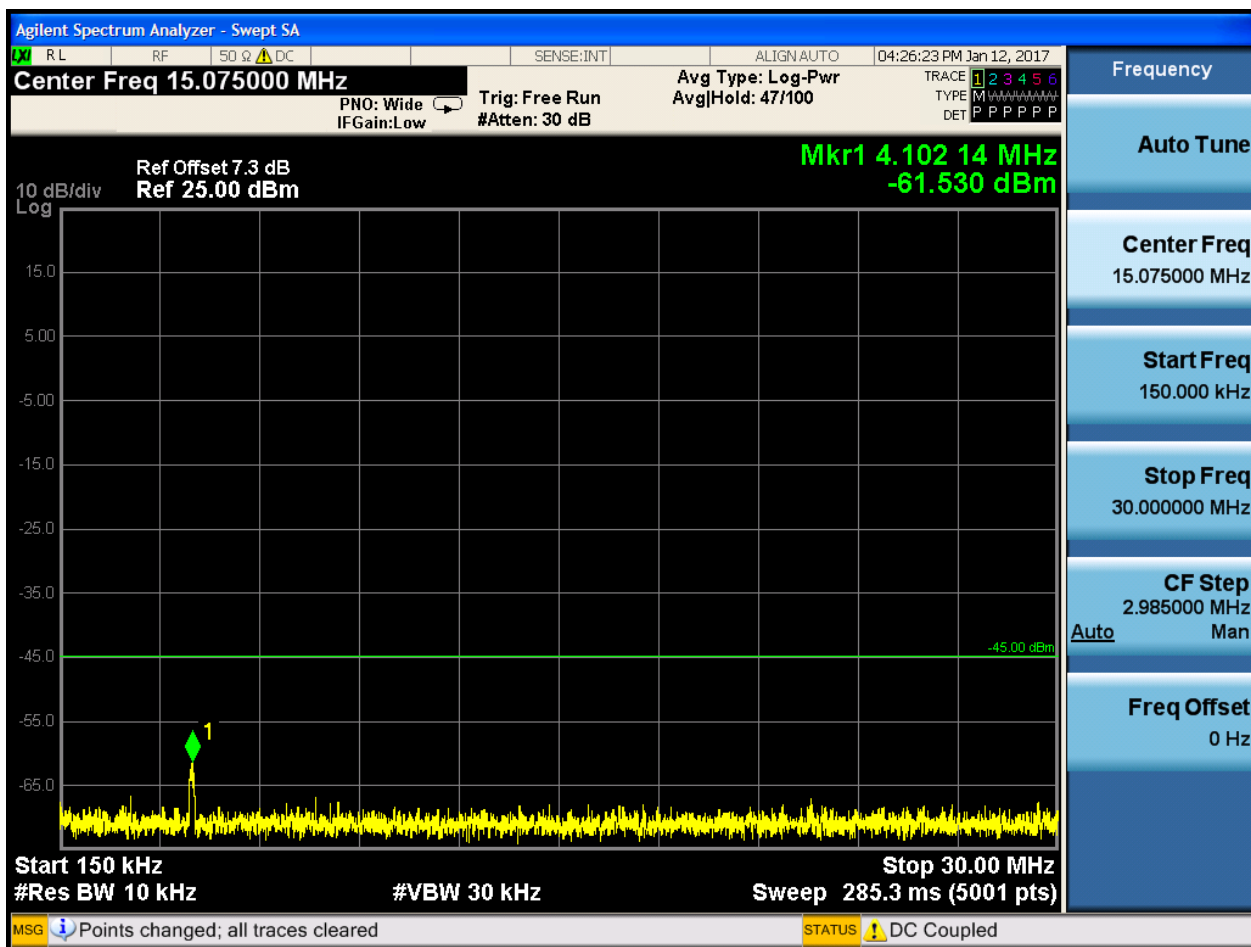
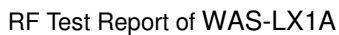
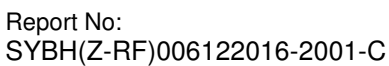
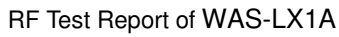




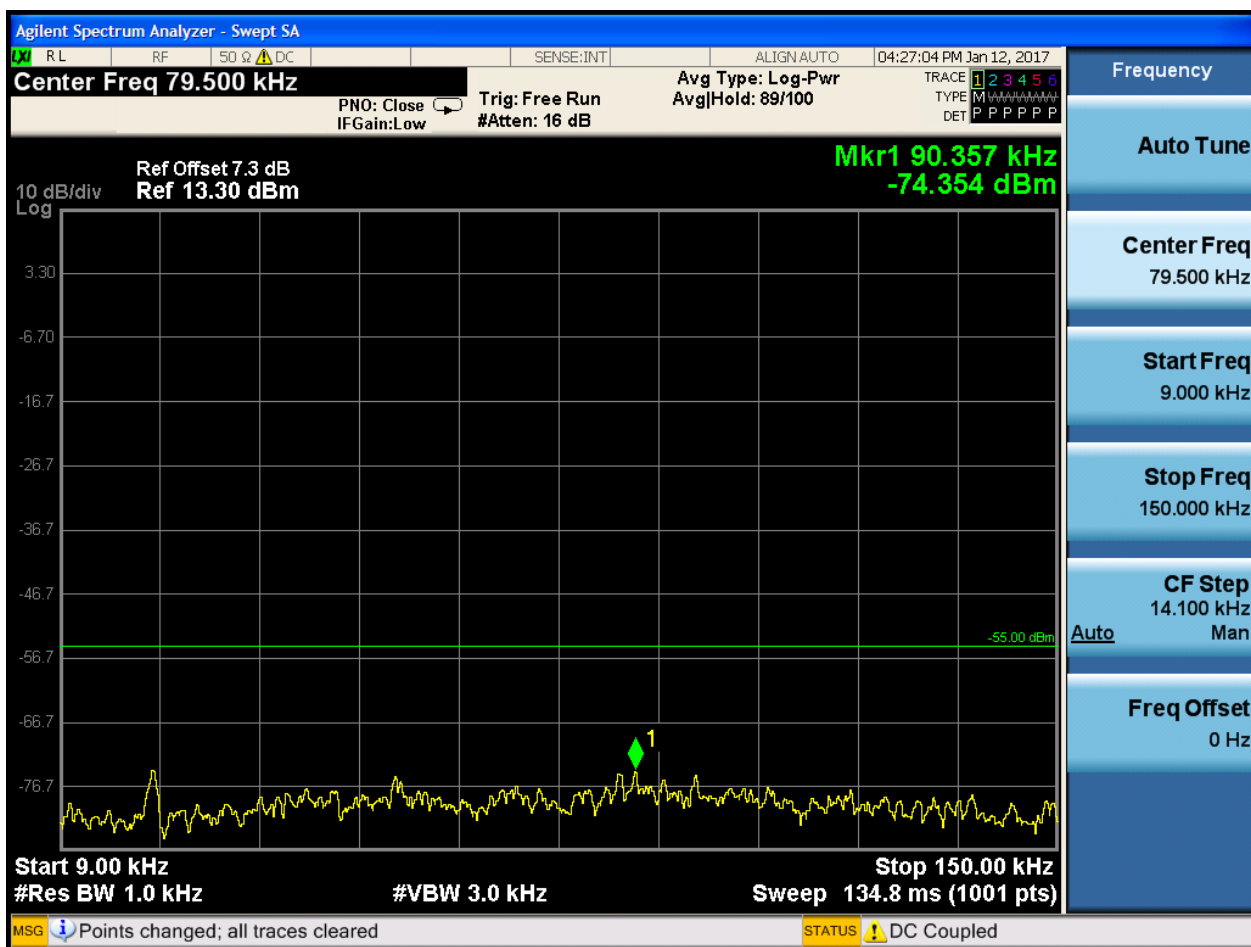


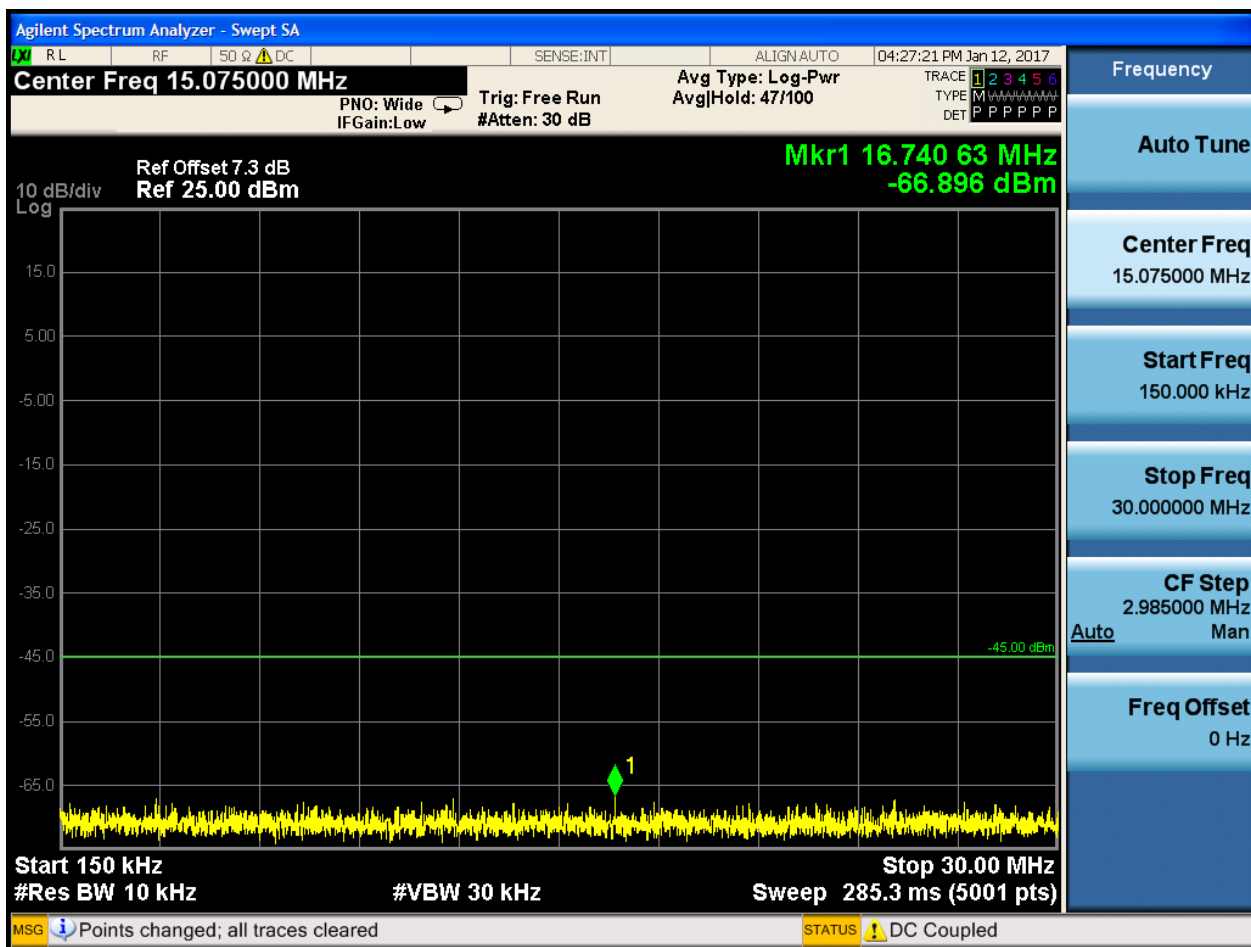


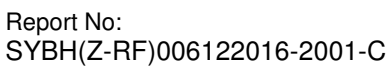
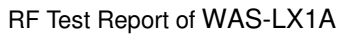
6.1.1.1.2 Test Bandwidth = 10

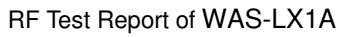
6.1.1.1.2.1 Test Channel = LCH

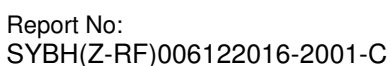
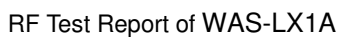
6.1.1.1.5.1.1 Test RB = RB1#0

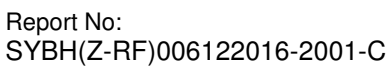
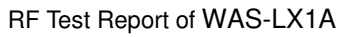


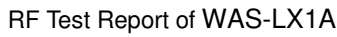


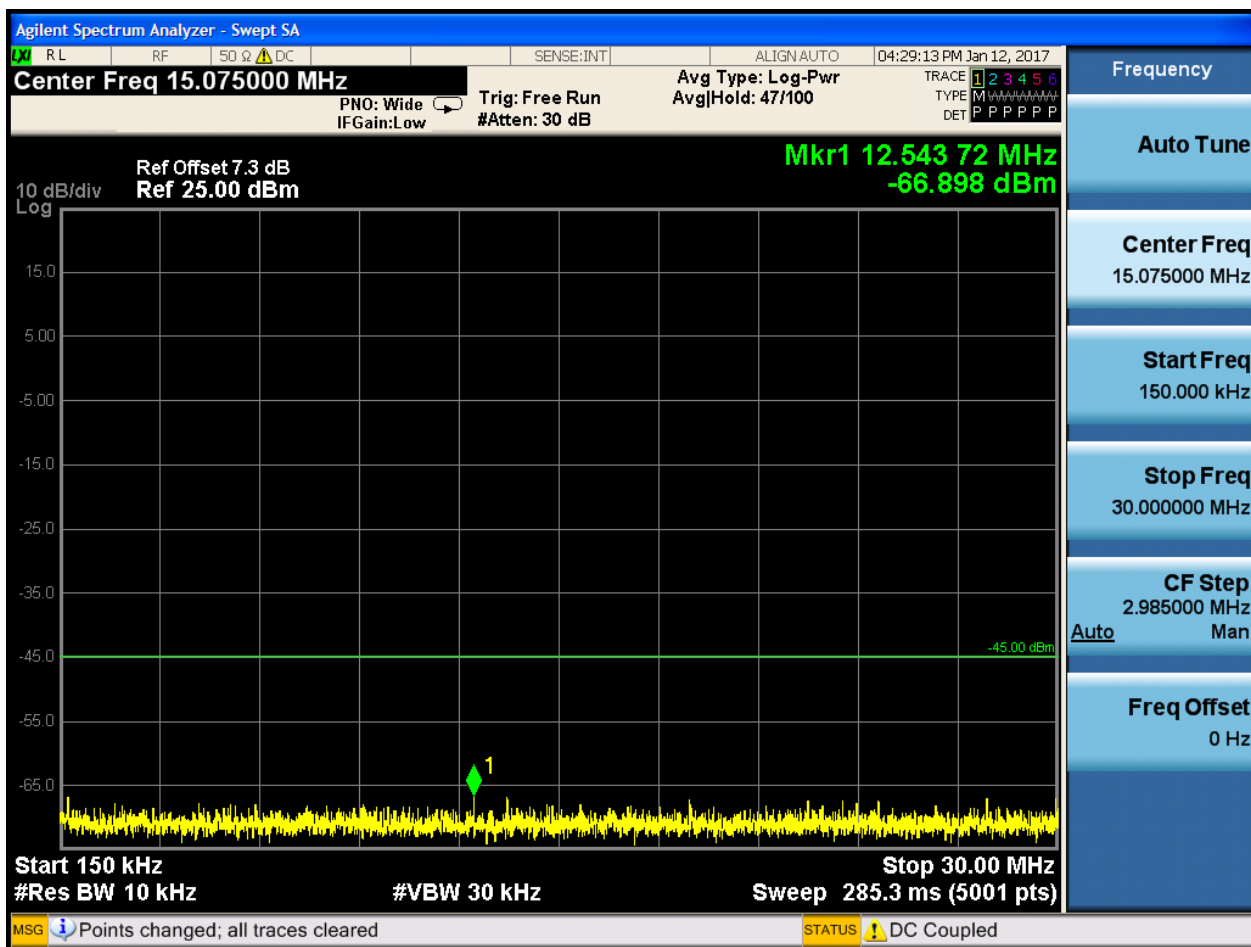


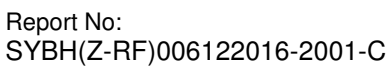
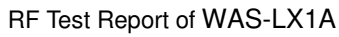










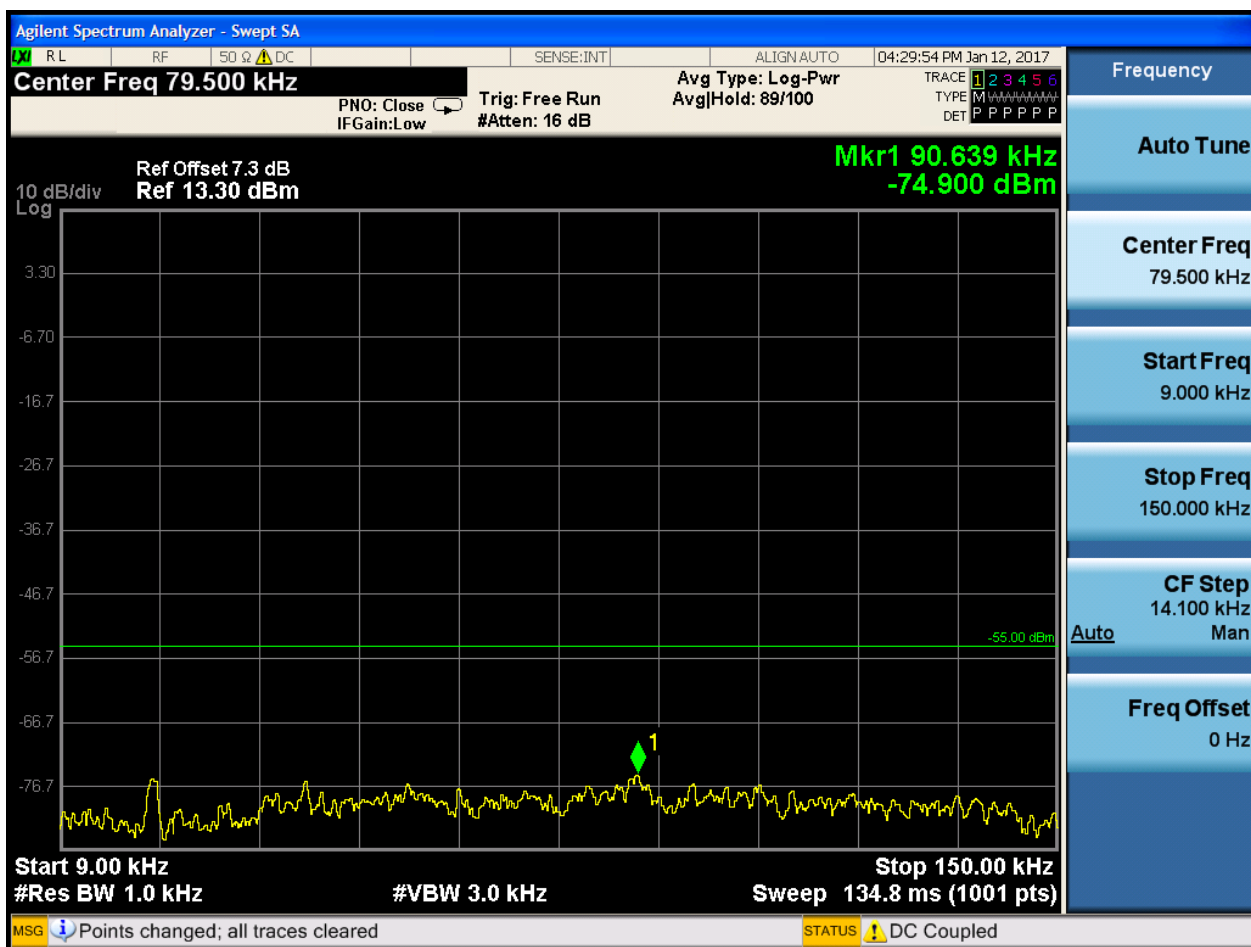


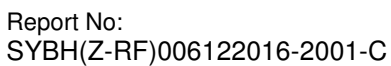
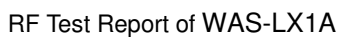


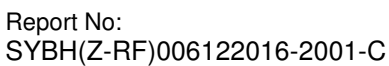
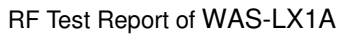
6.1.1.1.3 Test Bandwidth = 15

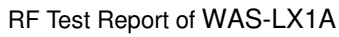
6.1.1.1.3.1 Test Channel = LCH

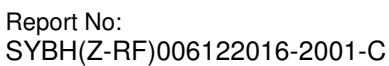
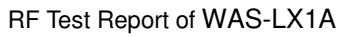
6.1.1.1.3.1.1 Test RB = RB1#0

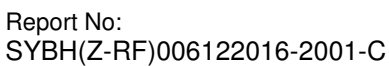
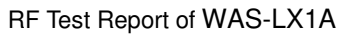


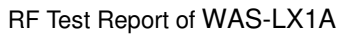


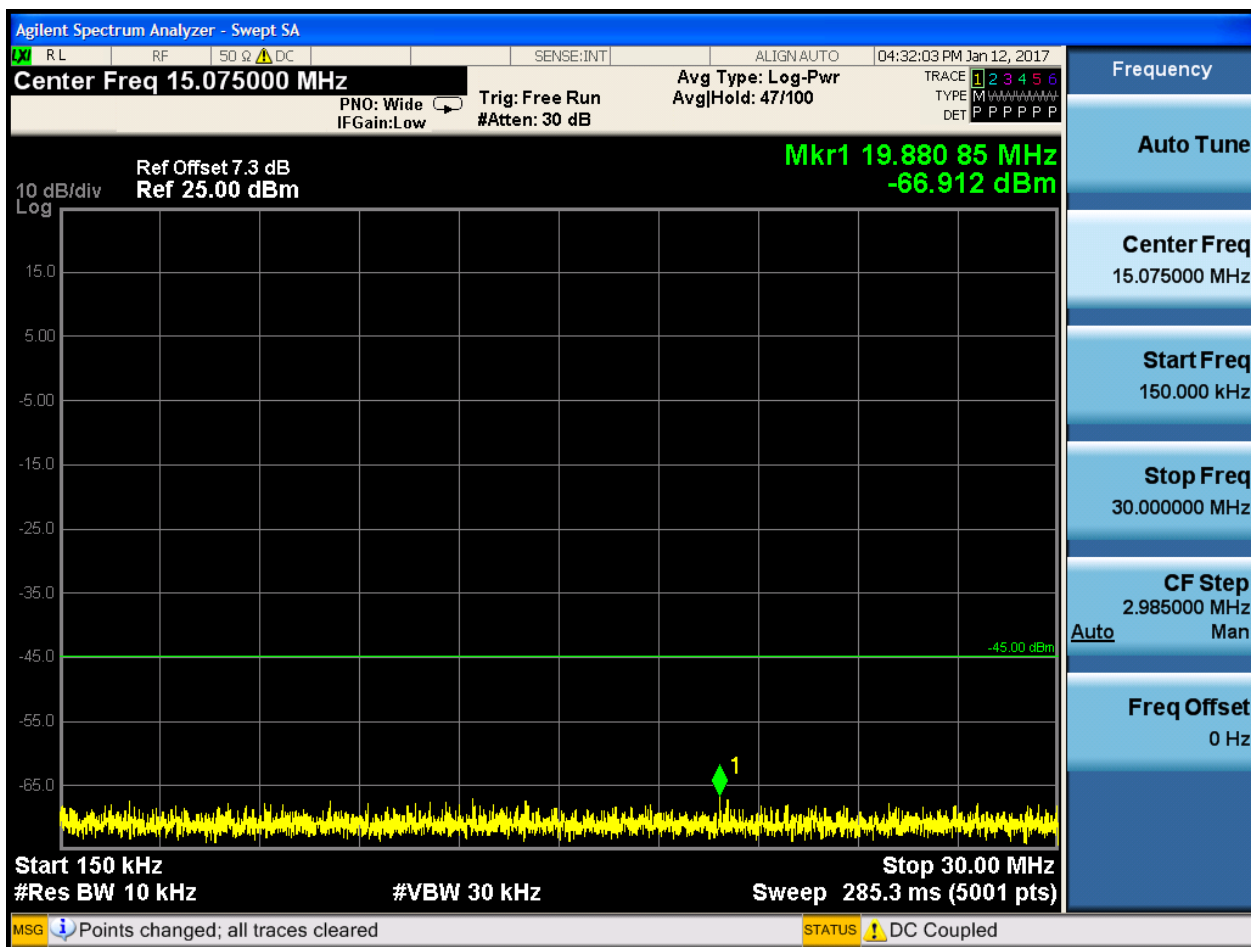
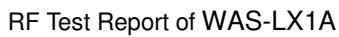


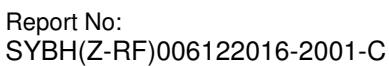
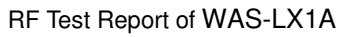










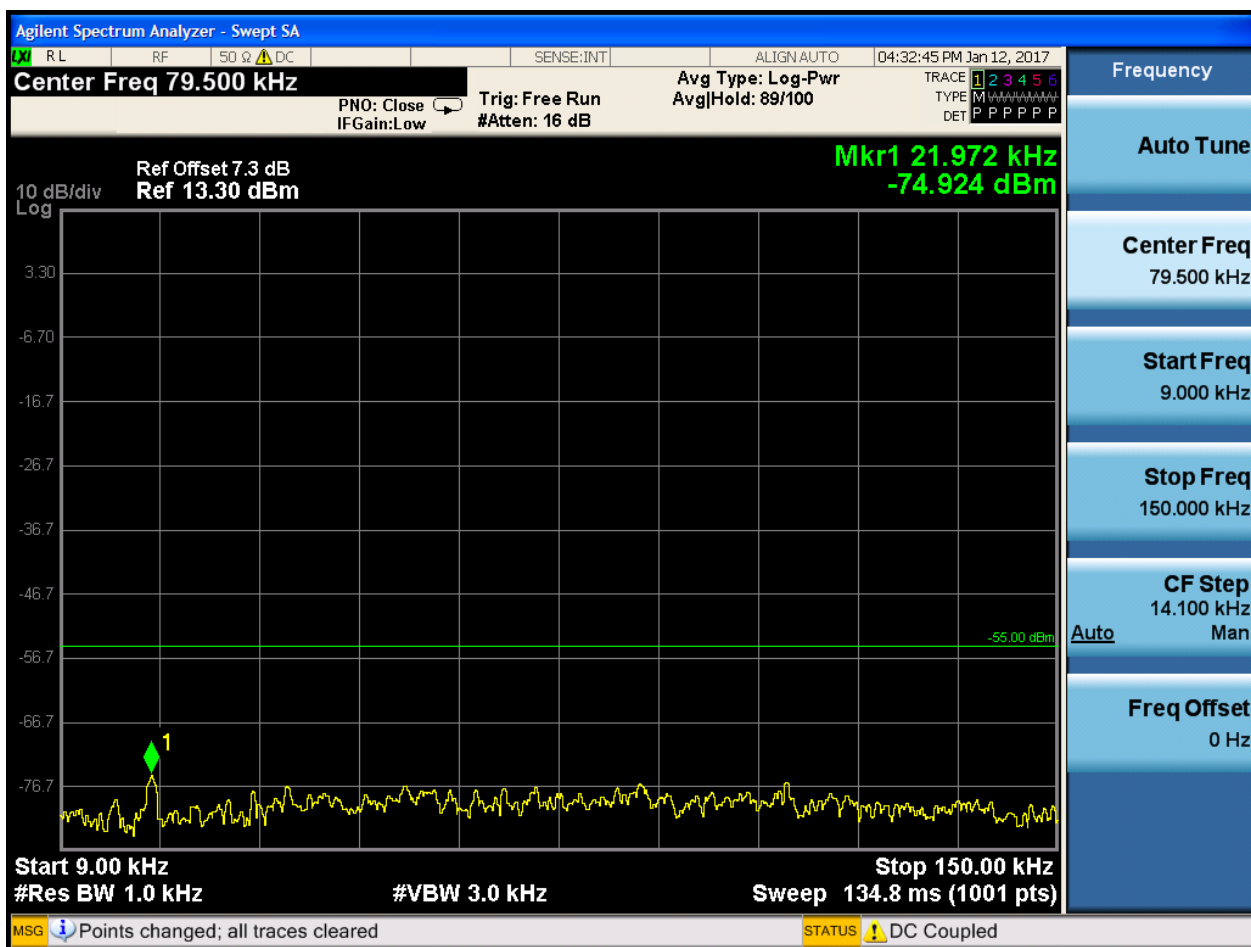


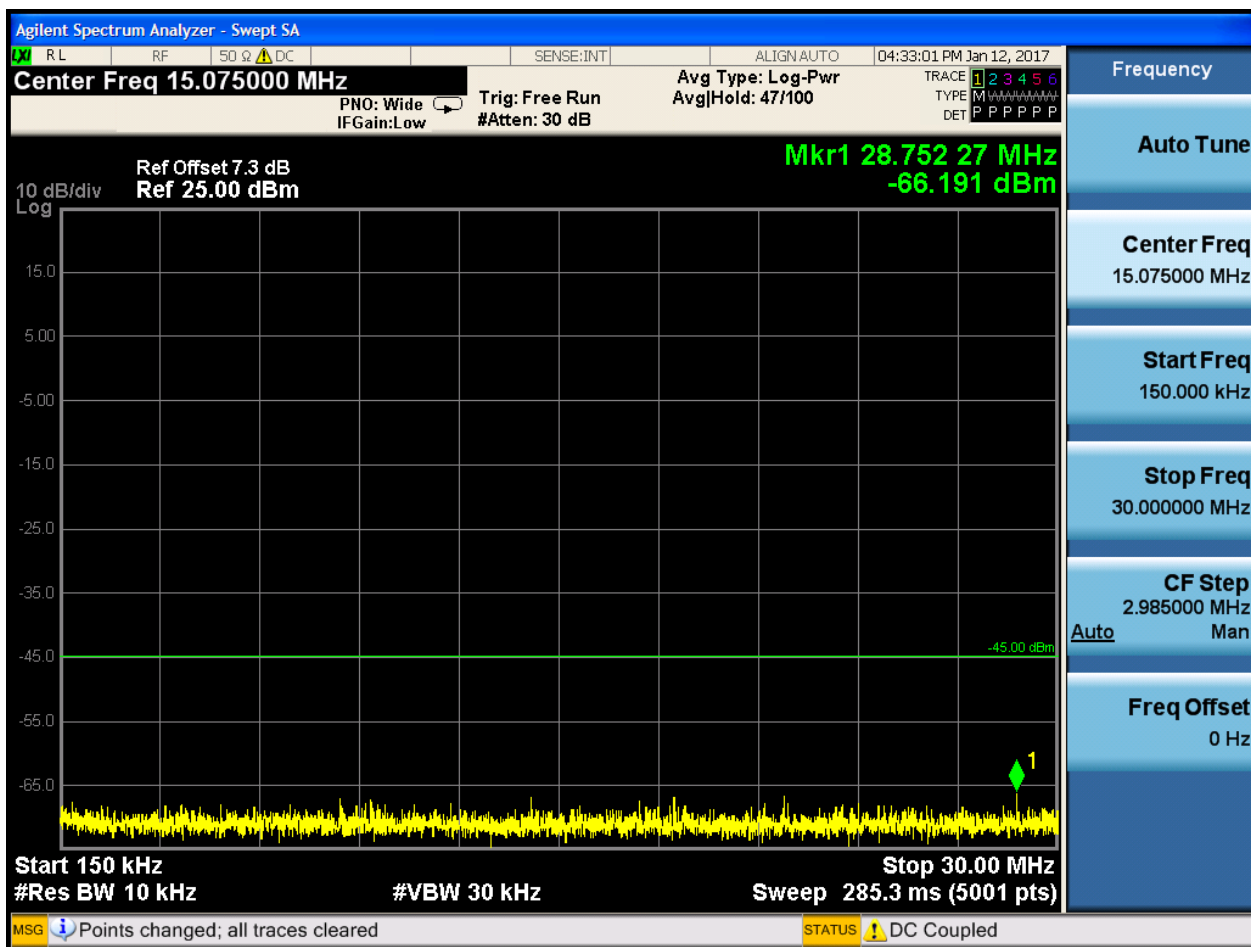


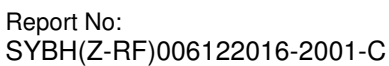
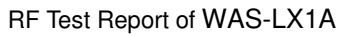
6.1.1.1.4 Test Bandwidth = 20

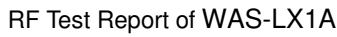
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

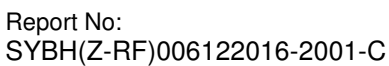
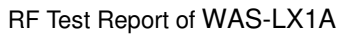








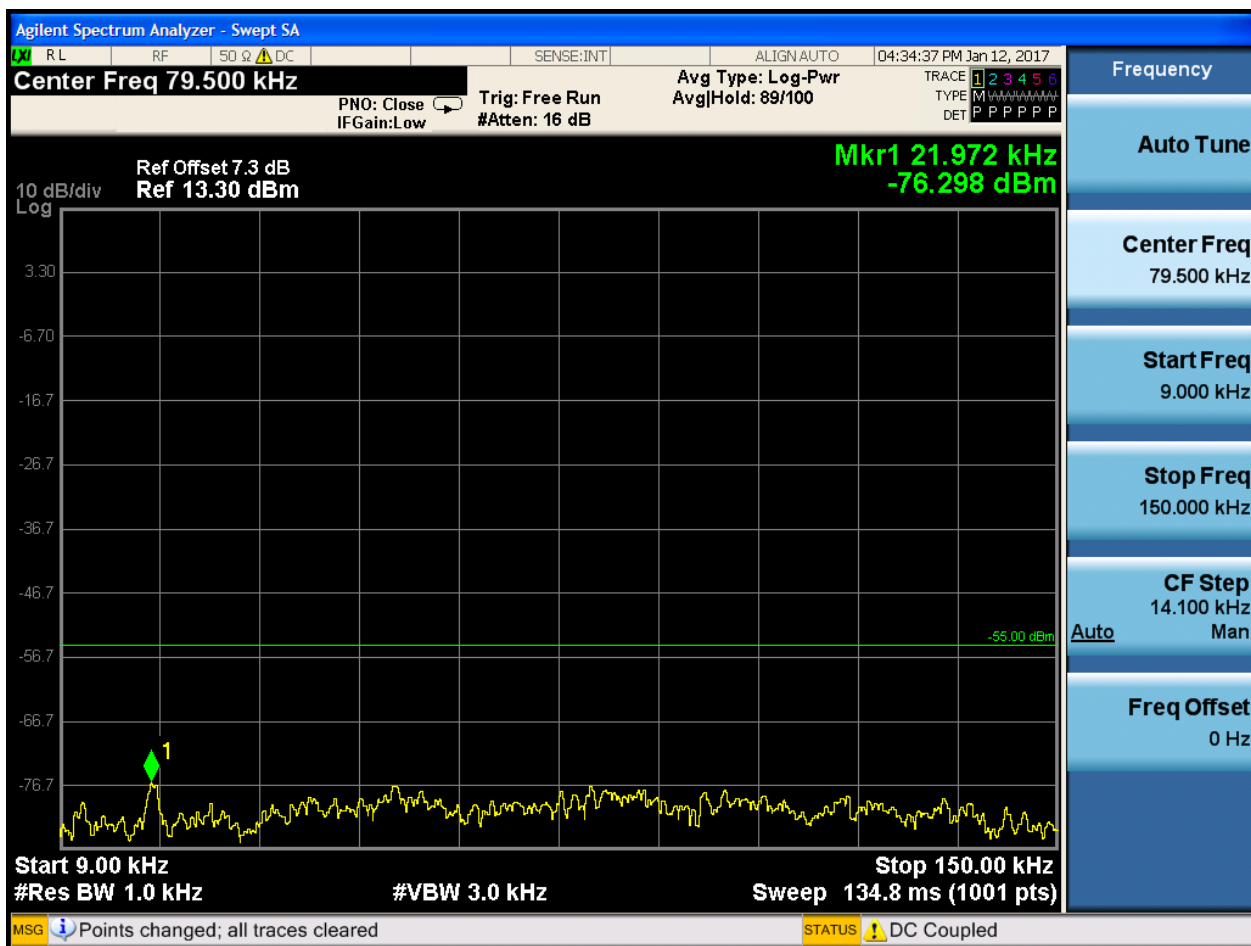




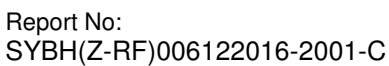
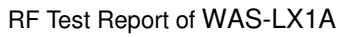


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







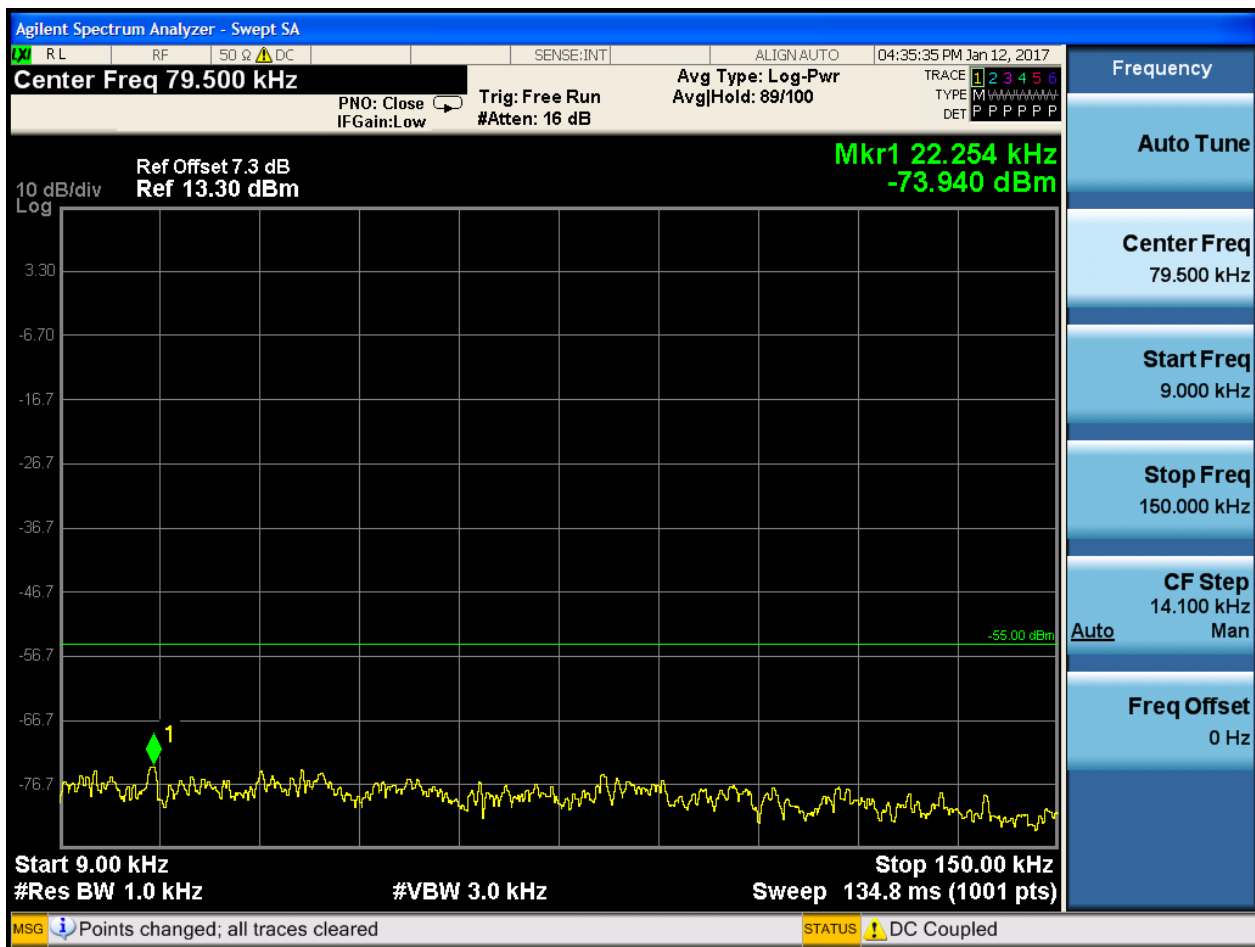


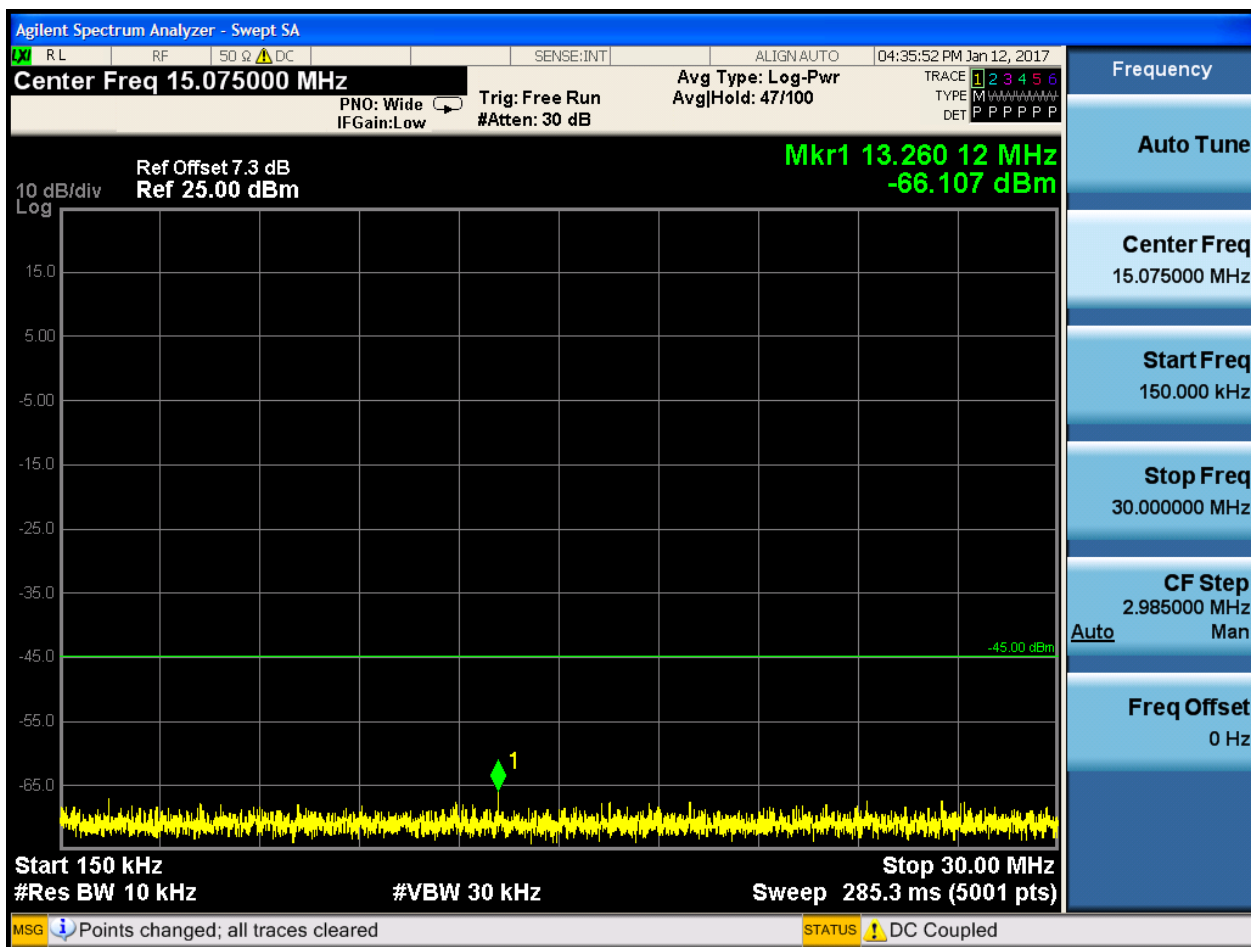
6.1.1.2 Test Mode = LTE/TM2

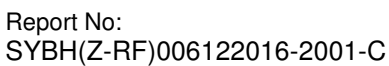
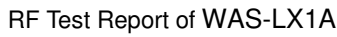
6.1.1.2.1 Test Bandwidth = 5

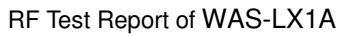
6.1.1.2.1.1 Test Channel = LCH

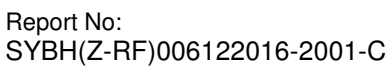
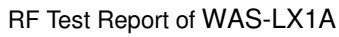
6.1.1.2.1.1.1 Test RB = RB1#0

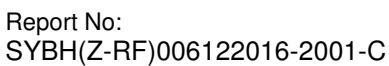
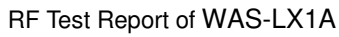






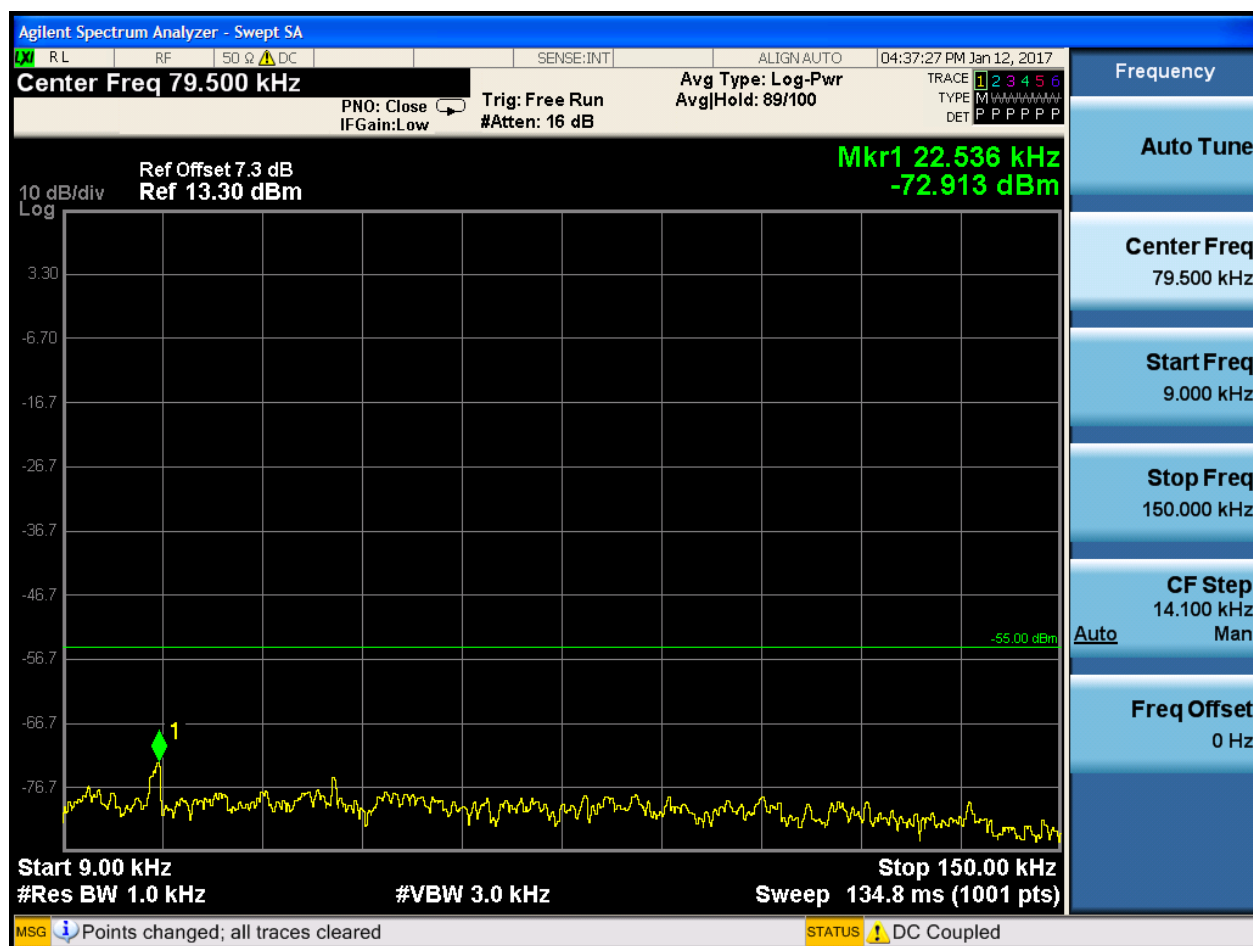


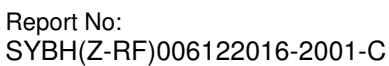
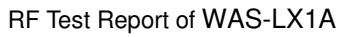


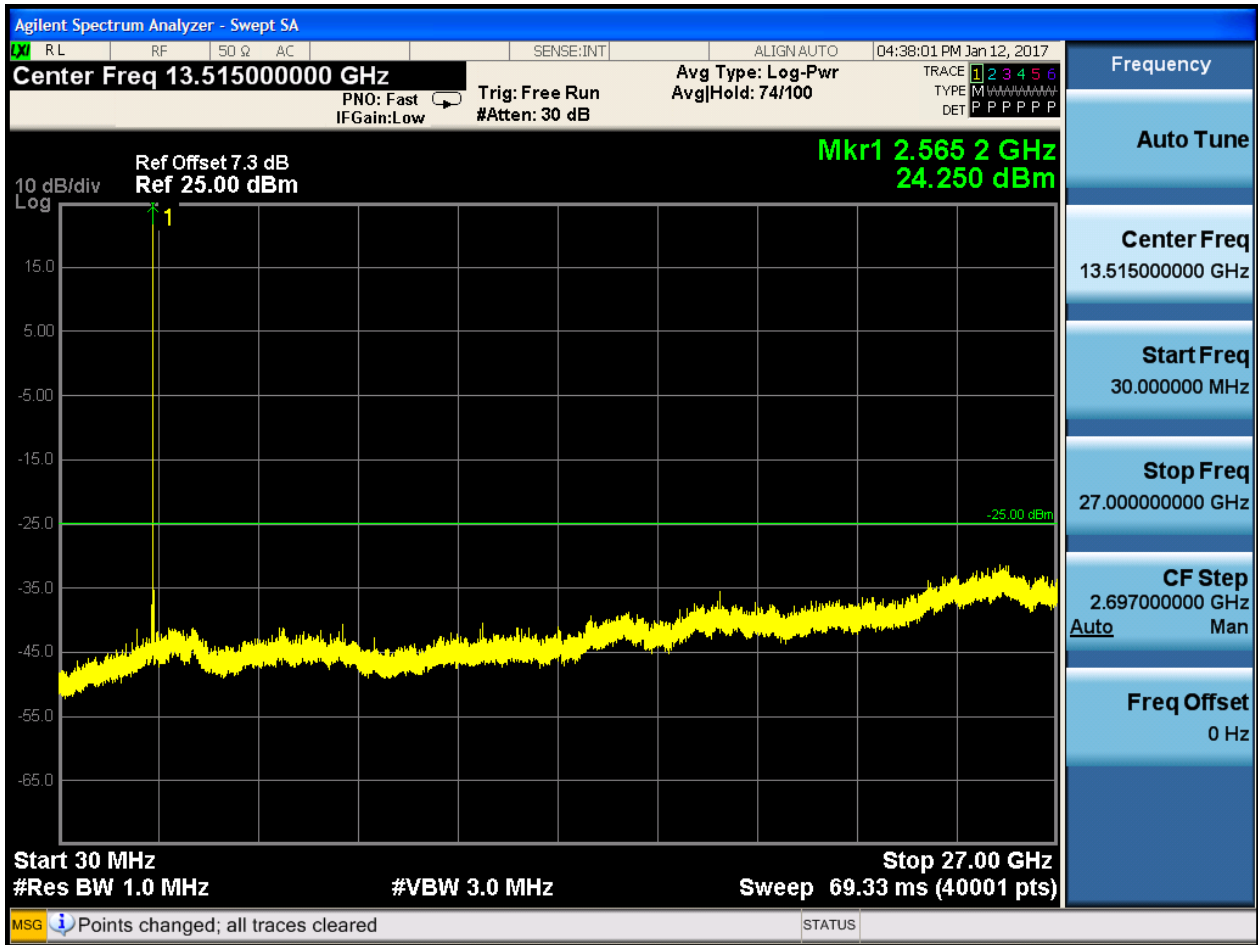


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





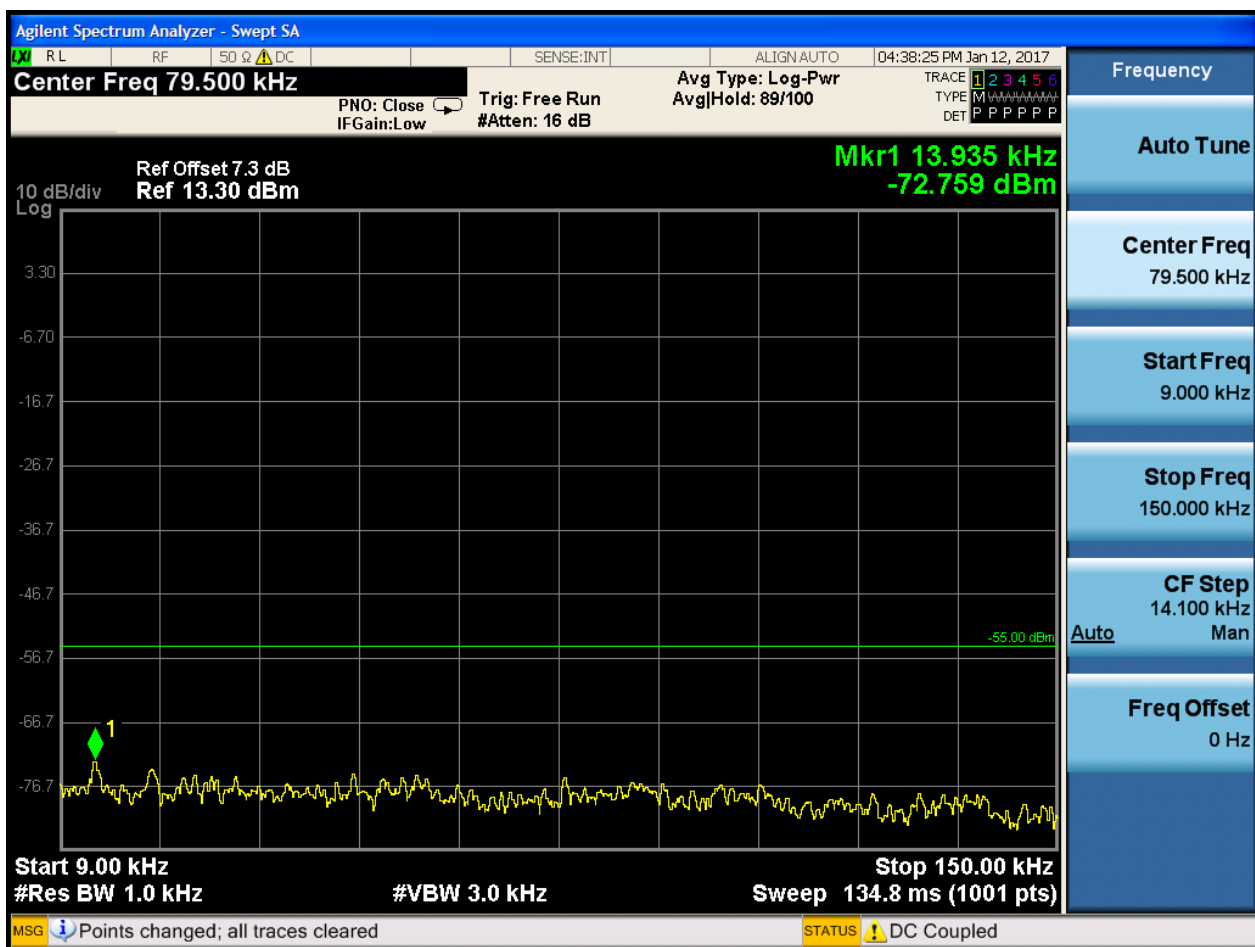


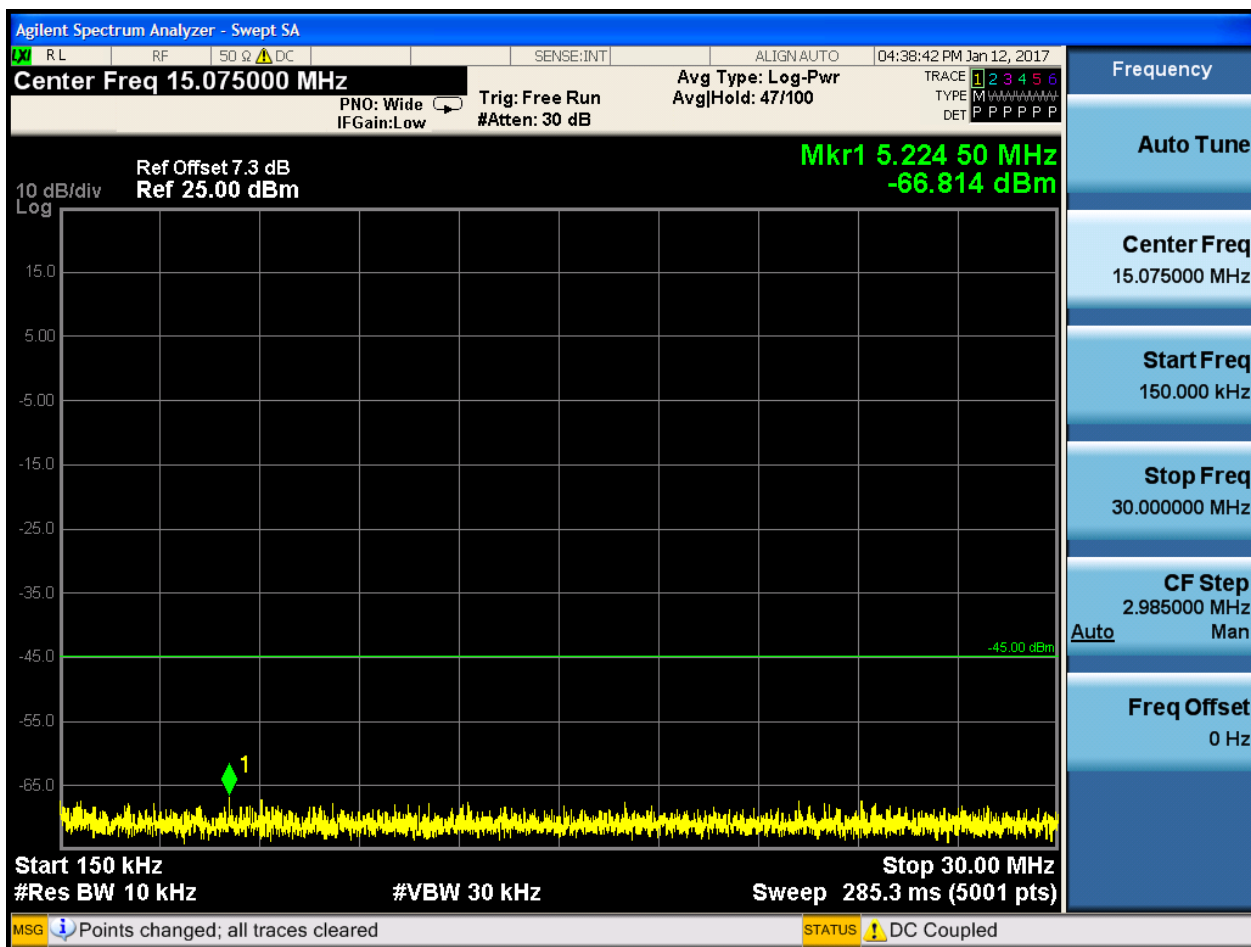


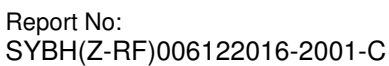
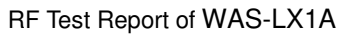
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





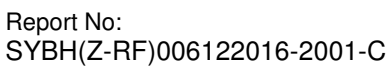
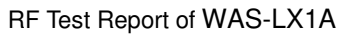


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

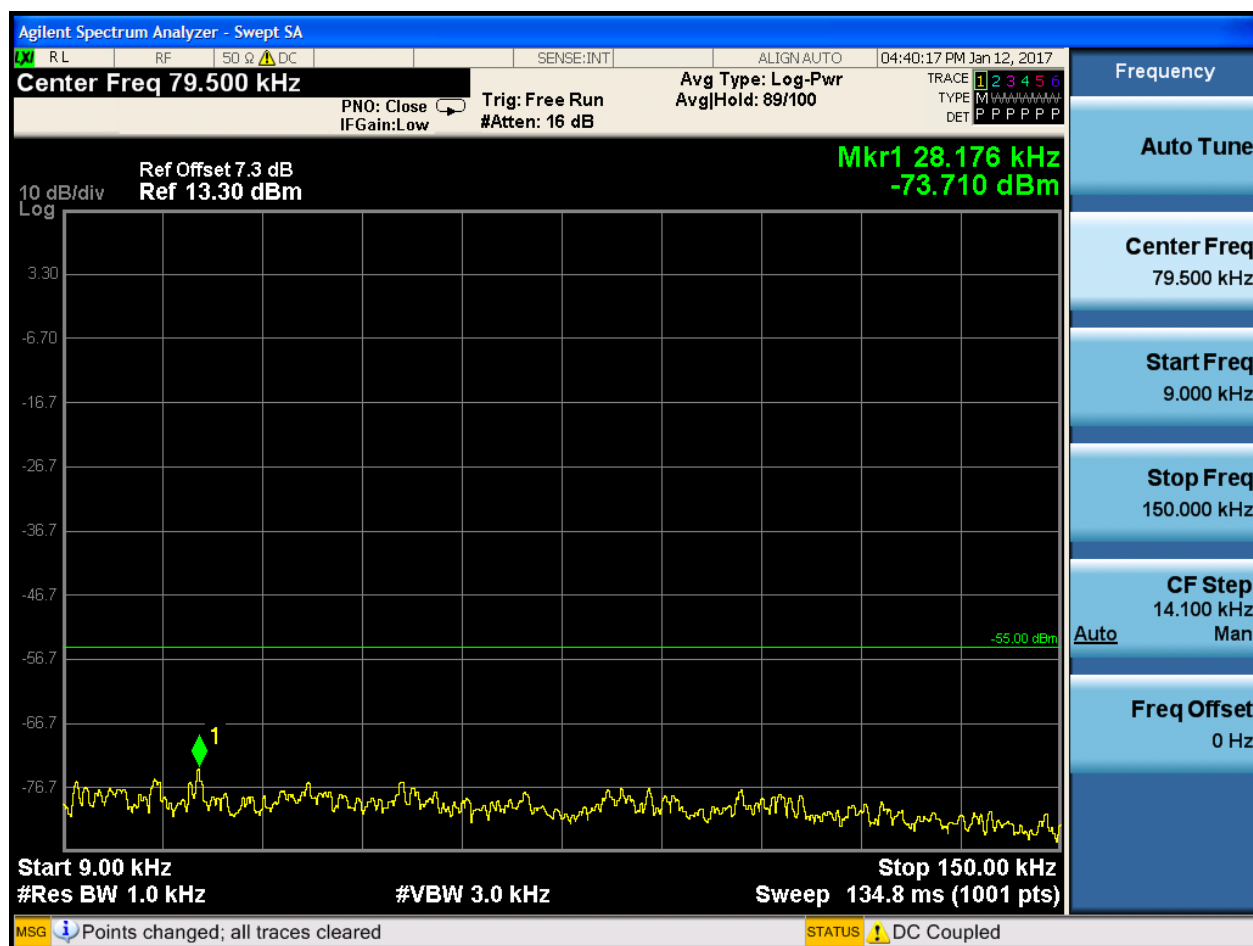




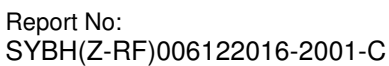
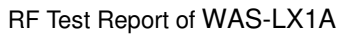


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



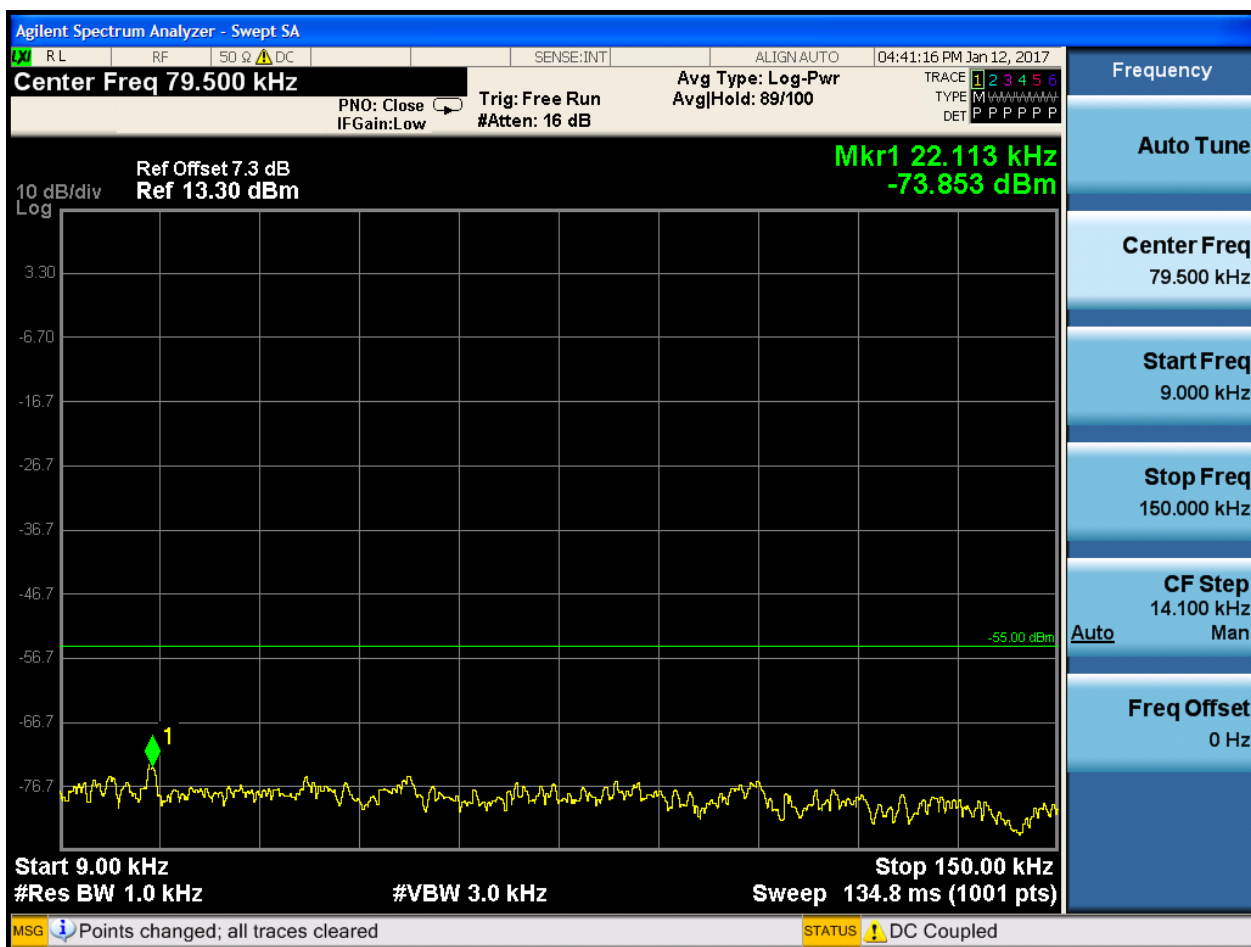


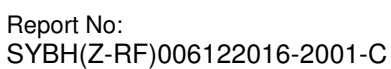
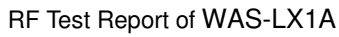


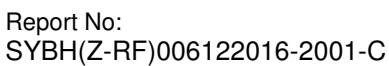
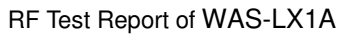
6.1.1.2.3 Test Bandwidth = 15

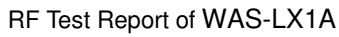
6.1.1.2.3.1 Test Channel = LCH

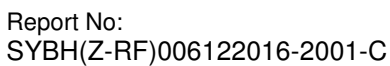
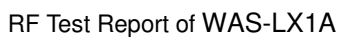
6.1.1.2.3.1.1 Test RB = RB1#0

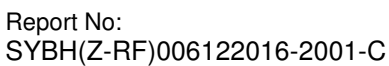
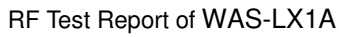








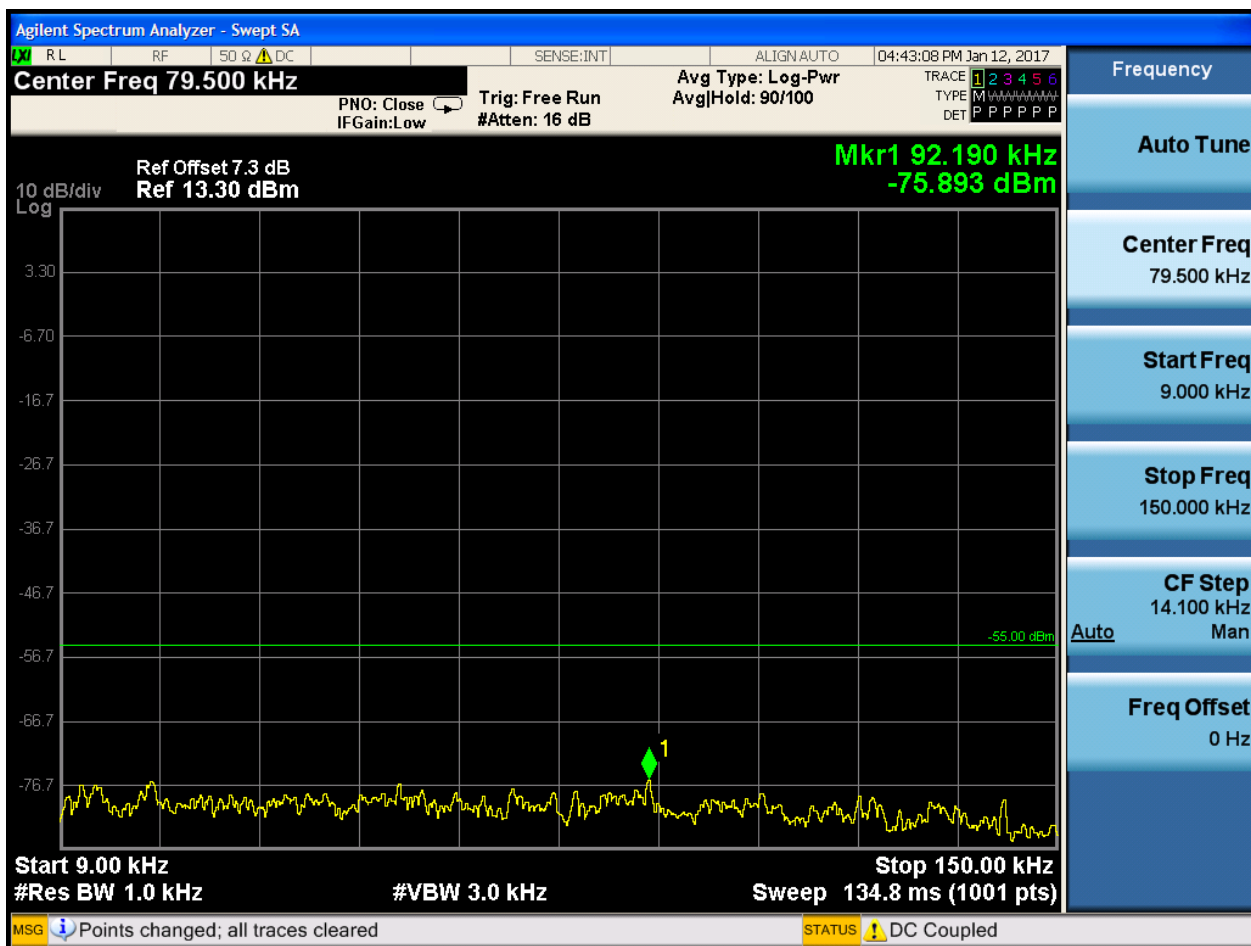


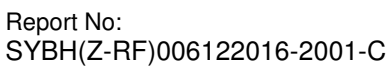
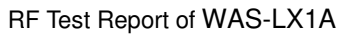


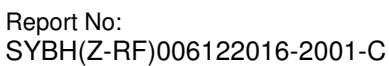
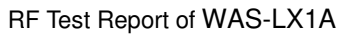


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





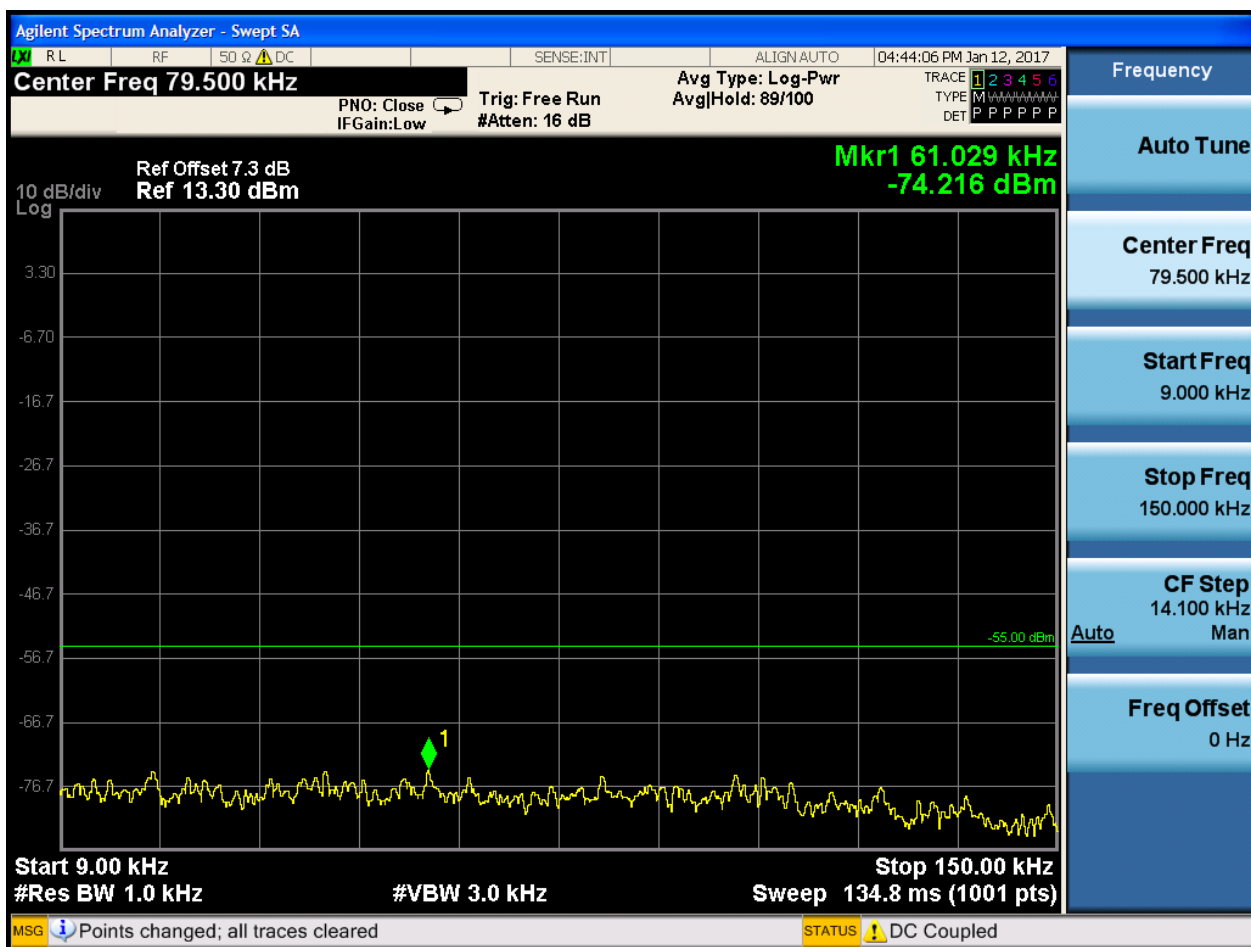


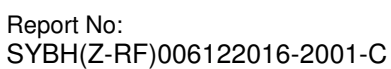
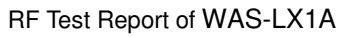


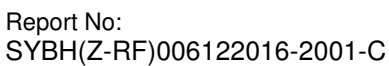
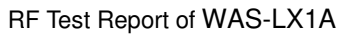
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



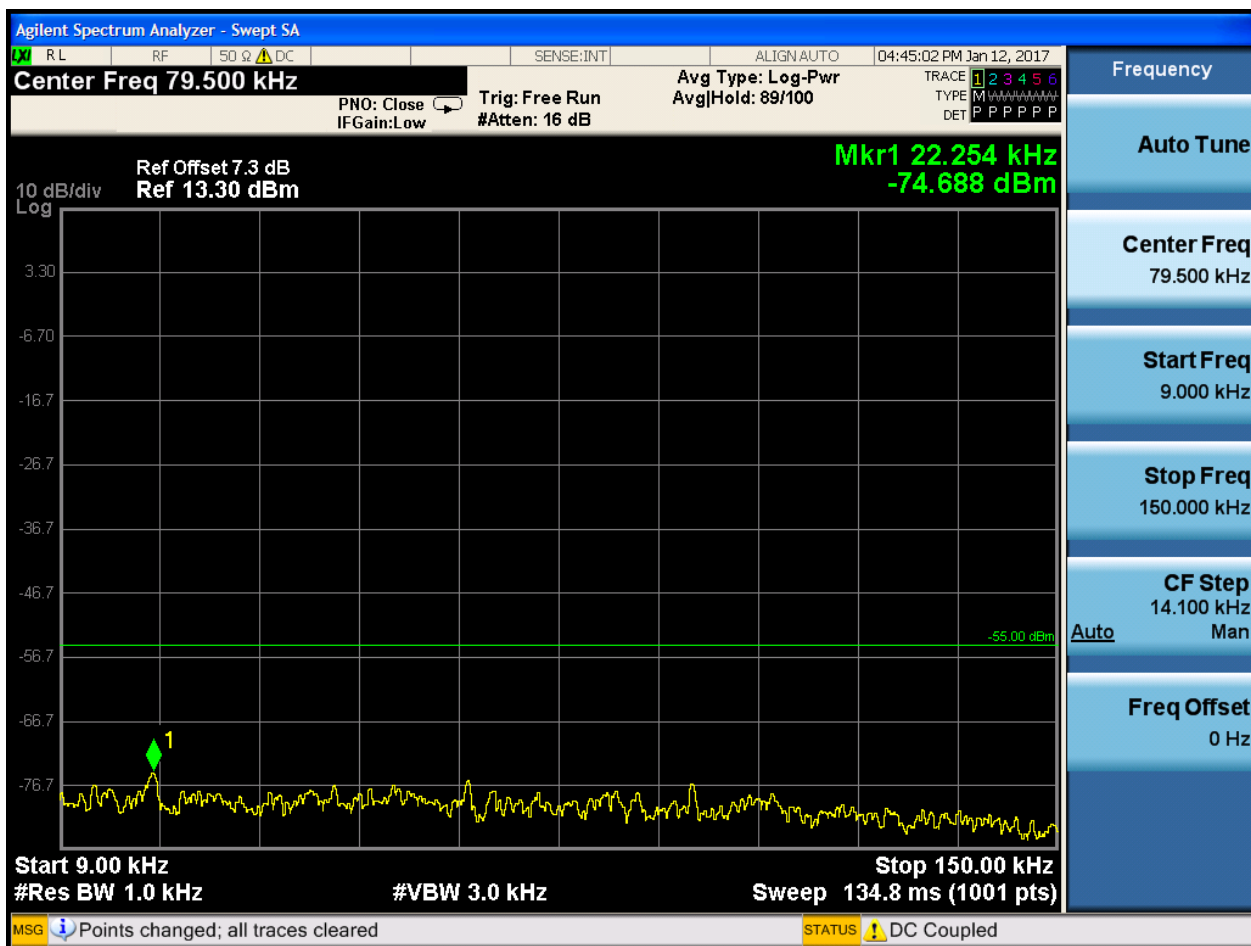


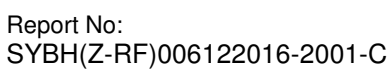
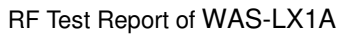


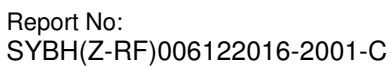
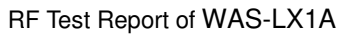


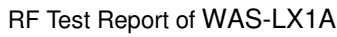
6.1.1.2.4.2 Test Channel = MCH

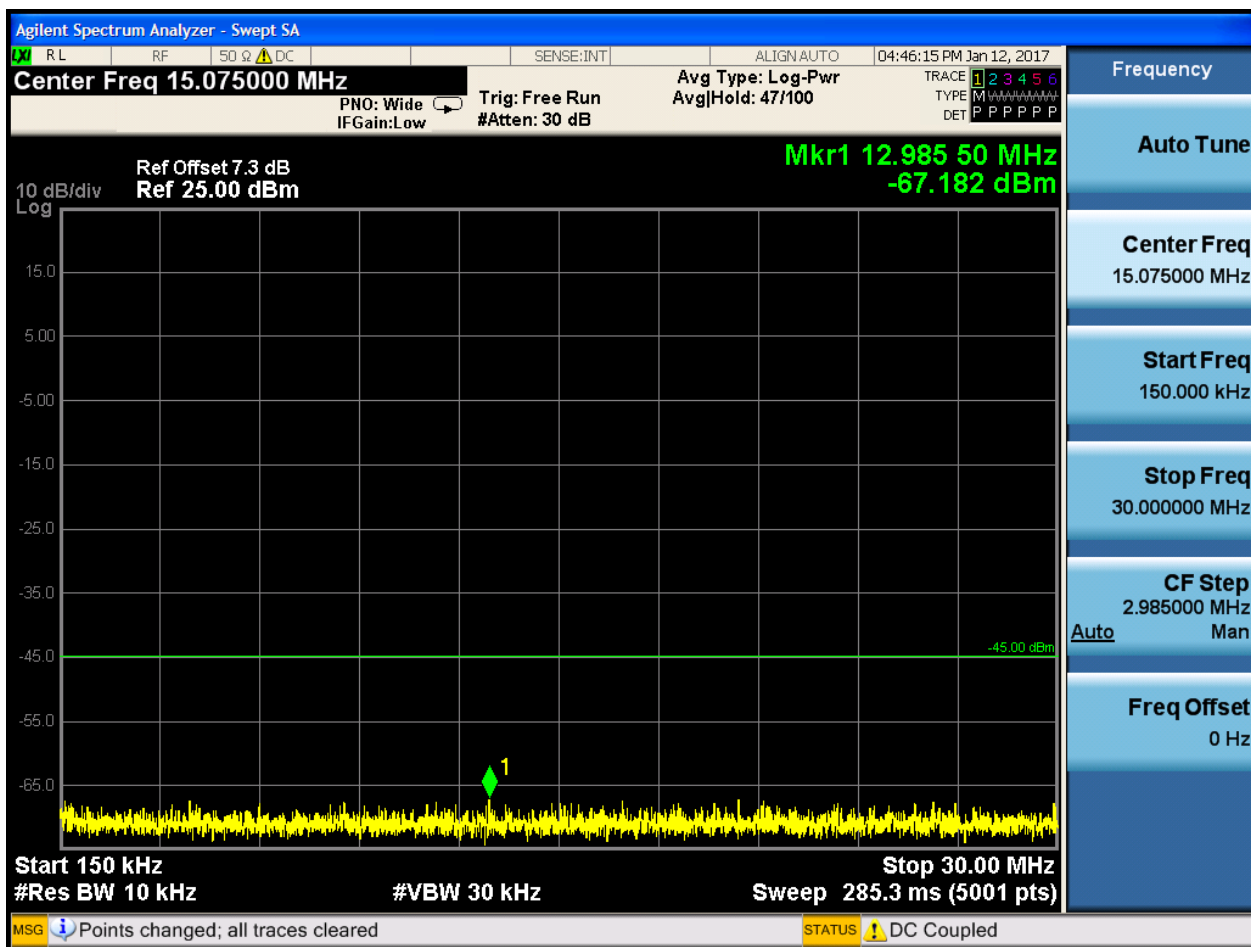
6.1.1.2.4.2.1 Test RB = RB1#0

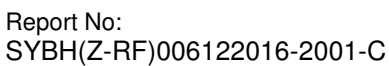
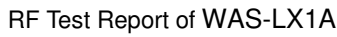












7Appendix_G: Field Strength of Spurious Radiation

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

9kHz~150kHz, 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

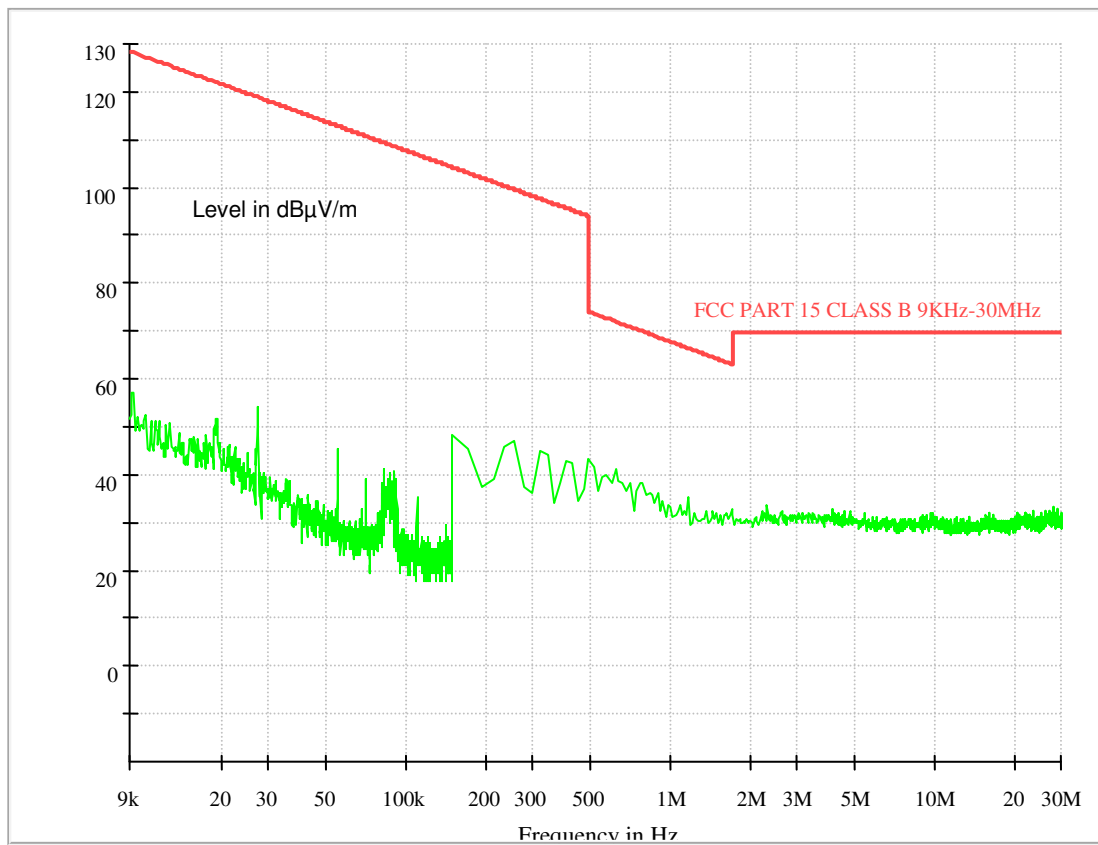
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

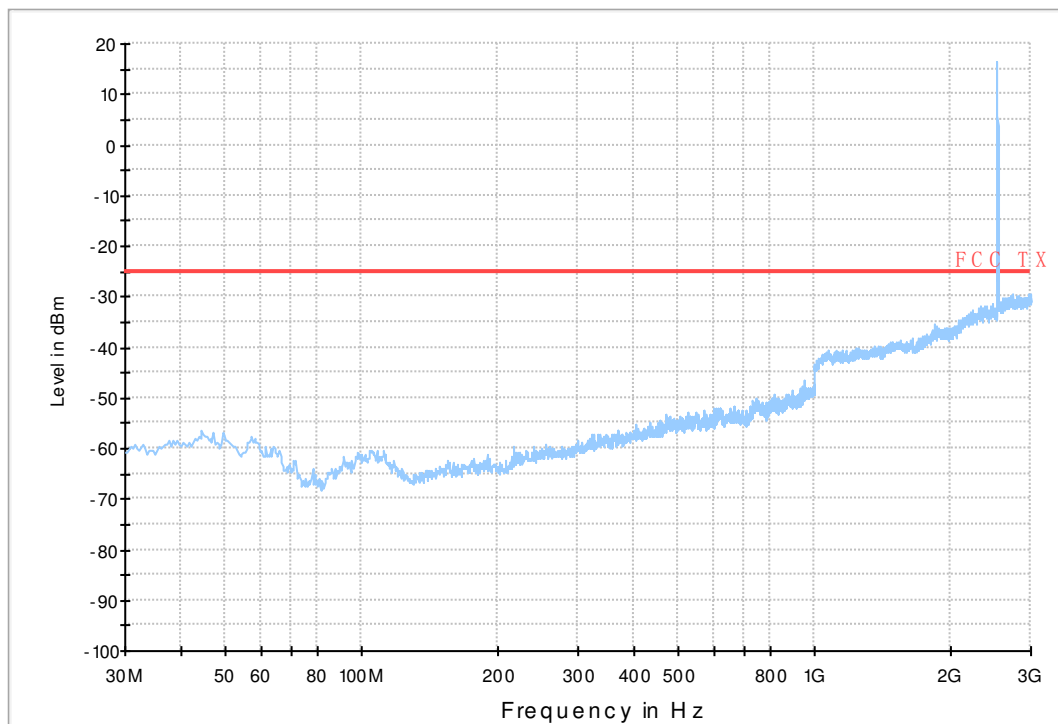
7.1 For LTE

7.1.1 Test Band = BAND7

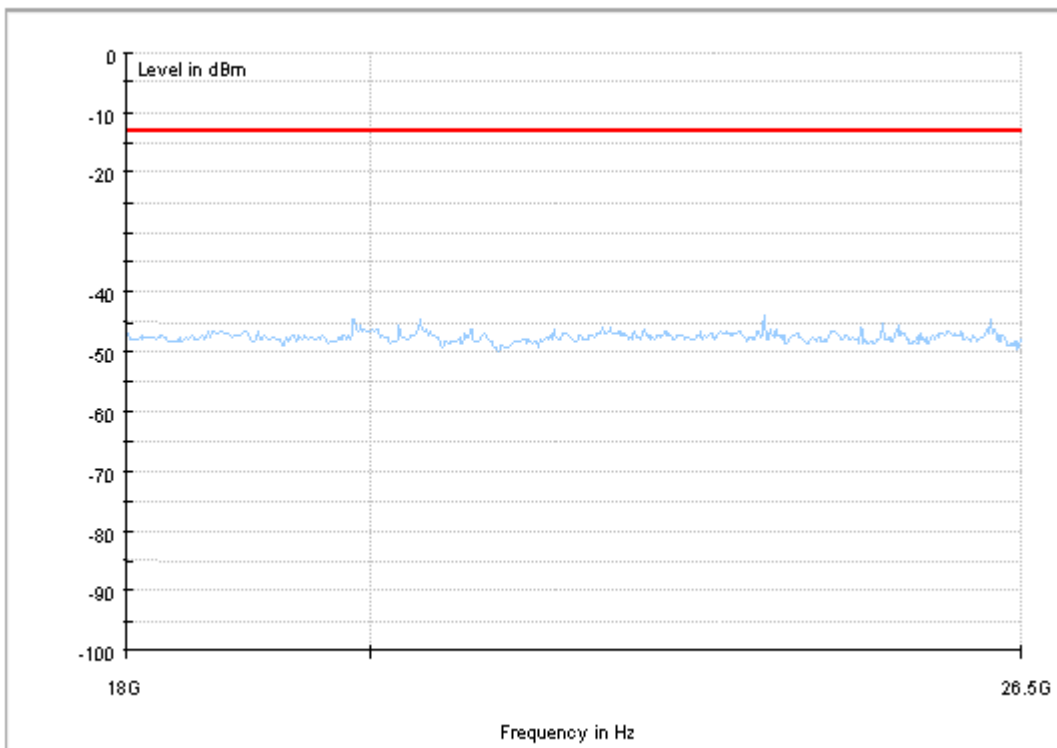
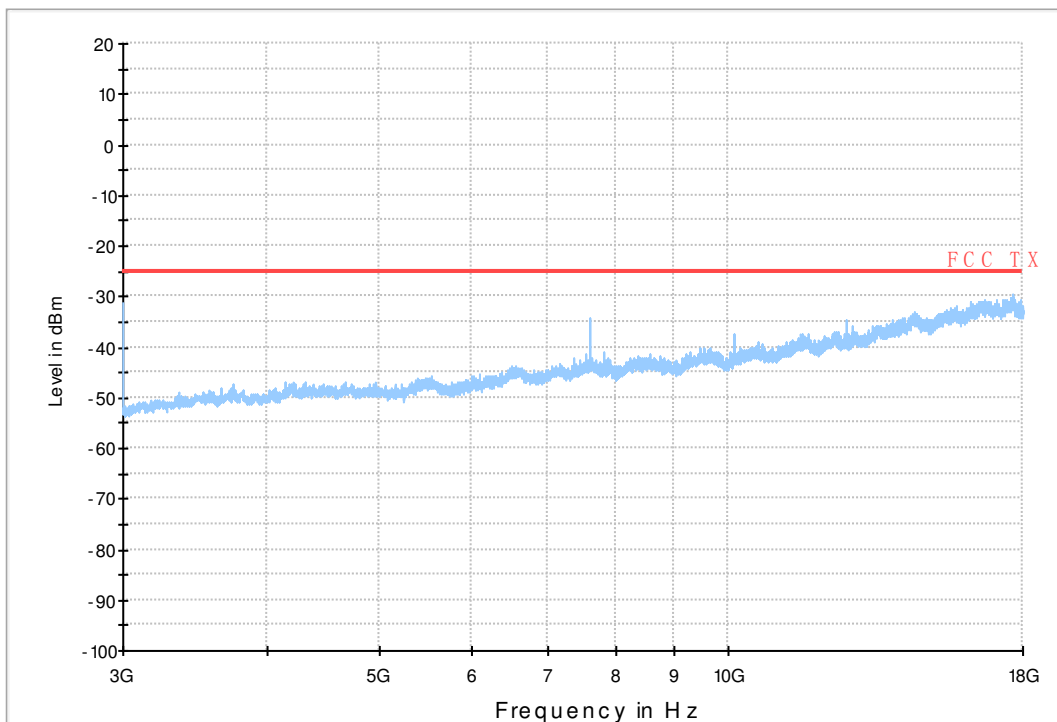
7.1.1.1 Test Bandwidth = 5



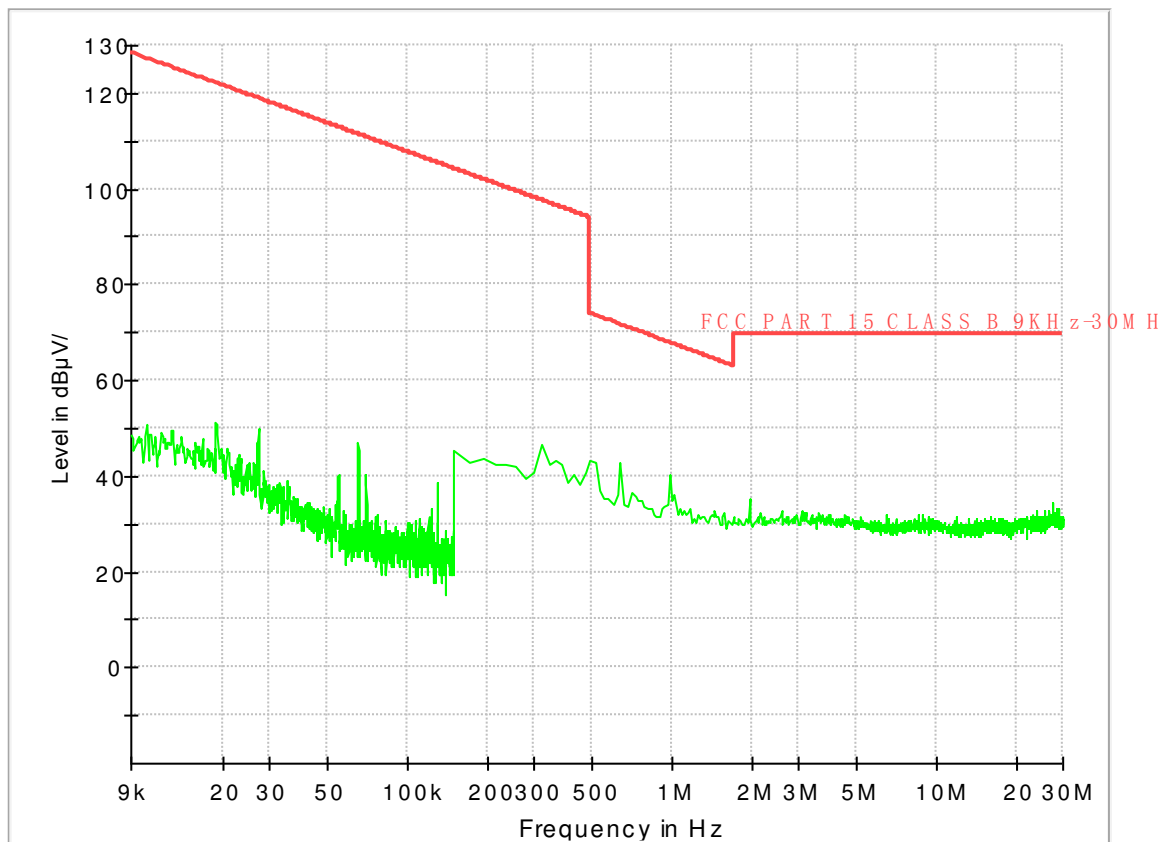
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



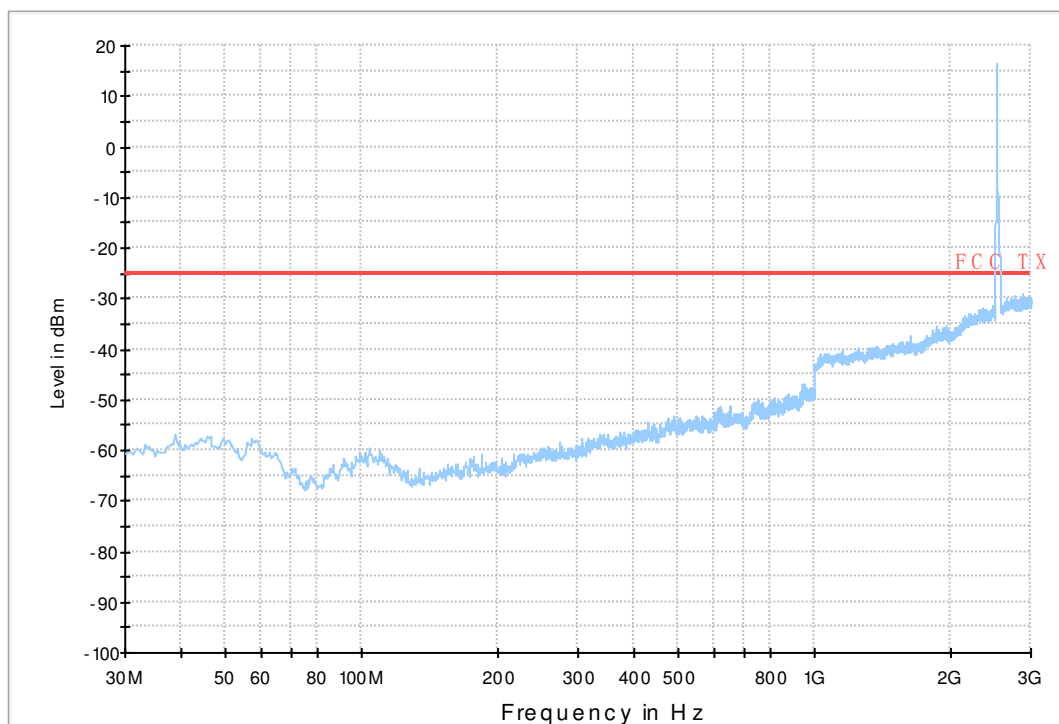
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



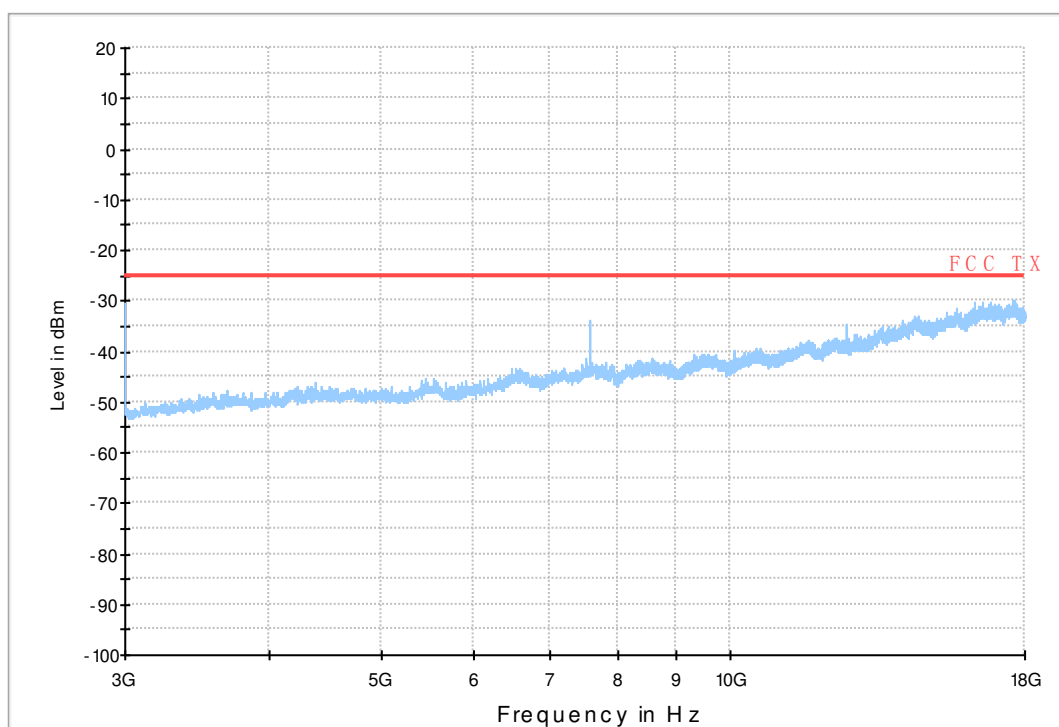
7.1.1.2 Test Bandwidth = 20

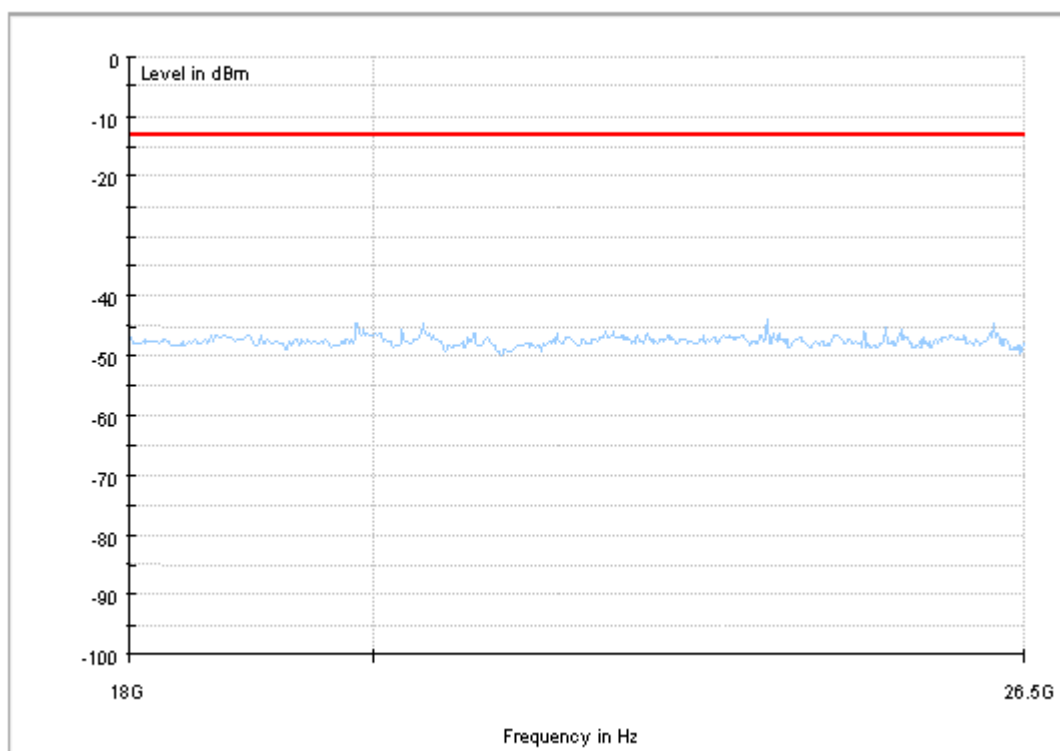


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





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	0.90	0.00036	PASS
					VN	1.36	0.00054	PASS
					VH	-1.26	-0.0005	PASS
			MCH	TN	VL	-2.60	-0.00103	PASS
					VN	4.08	0.00161	PASS
					VH	-21.90	-0.00864	PASS
			HCH	TN	VL	5.39	0.0021	PASS
					VN	-5.01	-0.00195	PASS
					VH	-2.90	-0.00113	PASS
		10	LCH	TN	VL	0.93	0.00037	PASS
					VN	-1.80	-0.00072	PASS
					VH	-1.27	-0.00051	PASS
			MCH	TN	VL	1.46	0.00058	PASS
					VN	-0.84	-0.00033	PASS
					VH	0.26	0.0001	PASS
			HCH	TN	VL	-2.05	-0.0008	PASS
					VN	-1.85	-0.00072	PASS
					VH	-1.27	-0.0005	PASS
		15	LCH	TN	VL	1.60	0.00064	PASS
					VN	-1.46	-0.00058	PASS
					VH	-1.07	-0.00043	PASS
			MCH	TN	VL	0.54	0.00021	PASS
					VN	0.47	0.00019	PASS
					VH	-0.90	-0.00036	PASS
			HCH	TN	VL	-2.40	-0.00094	PASS
					VN	-1.92	-0.00075	PASS
					VH	-0.06	-0.00002	PASS
		20	LCH	TN	VL	-3.32	-0.00132	PASS
					VN	-2.43	-0.00097	PASS
					VH	-2.83	-0.00113	PASS
			MCH	TN	VL	2.03	0.0008	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		HCH	TN	VN	0.80	0.00032	PASS
					VH	0.31	0.00012	PASS
					VL	-1.33	-0.00052	PASS
					VN	-1.47	-0.00057	PASS
					VH	-2.12	-0.00083	PASS
		5	LCH	TN	VL	-6.34	-0.00253	PASS
					VN	0.31	0.00012	PASS
					VH	0.92	0.00037	PASS
			MCH	TN	VL	-5.08	-0.002	PASS
					VN	-2.26	-0.00089	PASS
					VH	5.19	0.00205	PASS
			HCH	TN	VL	3.60	0.0014	PASS
					VN	-1.99	-0.00078	PASS
					VH	-11.36	-0.00442	PASS
		10	LCH	TN	VL	-0.86	-0.00034	PASS
					VN	0.67	0.00027	PASS
					VH	2.70	0.00108	PASS
			MCH	TN	VL	1.19	0.00047	PASS
					VN	-1.82	-0.00072	PASS
					VH	1.50	0.00059	PASS
			HCH	TN	VL	-1.30	-0.00051	PASS
					VN	-1.24	-0.00048	PASS
					VH	2.59	0.00101	PASS
		15	LCH	TN	VL	-1.33	-0.00053	PASS
					VN	-0.54	-0.00022	PASS
					VH	-3.69	-0.00147	PASS
			MCH	TN	VL	3.20	0.00126	PASS
					VN	-0.24	-0.00009	PASS
					VH	-1.60	-0.00063	PASS
			HCH	TN	VL	-0.99	-0.00039	PASS
					VN	-3.58	-0.0014	PASS
					VH	-2.27	-0.00089	PASS
		20	LCH	TN	VL	0.66	0.00026	PASS
					VN	-0.36	-0.00014	PASS
					VH	2.07	0.00082	PASS
			MCH	TN	VL	-1.44	-0.00057	PASS
					VN	1.29	0.00051	PASS
					VH	3.08	0.00121	PASS
			HCH	TN	VL	-1.59	-0.00062	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-2.19	-0.00086	PASS
					VH	2.99	0.00117	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	-1.70	-0.00068	PASS
					-20	-1.40	-0.00056	PASS
					-10	-2.59	-0.00103	PASS
					0	-1.50	-0.0006	PASS
					10	-5.69	-0.00227	PASS
					20	3.29	0.00131	PASS
					30	-3.28	-0.00131	PASS
					40	-5.68	-0.00227	PASS
					50	-1.50	-0.0006	PASS
			MCH	VN	-30	-5.88	-0.00232	PASS
					-20	-3.19	-0.00126	PASS
					-10	-1.92	-0.00076	PASS
					0	-0.46	-0.00018	PASS
					10	-10.79	-0.00426	PASS
					20	-16.21	-0.00639	PASS
					30	-0.73	-0.00029	PASS
					40	-0.47	-0.00019	PASS
					50	2.03	0.0008	PASS
			HCH	VN	-30	-1.96	-0.00076	PASS
					-20	-8.93	-0.00348	PASS
					-10	2.93	0.00114	PASS
					0	-2.16	-0.00084	PASS
					10	-4.58	-0.00178	PASS
					20	-6.14	-0.00239	PASS
					30	-5.38	-0.0021	PASS
					40	-3.65	-0.00142	PASS
					50	-1.26	-0.00049	PASS
		10	LCH	VN	-30	1.23	0.00049	PASS
					-20	0.36	0.00014	PASS
					-10	-4.68	-0.00187	PASS
					0	0.72	0.00029	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-4.16	-0.00166	PASS
					20	1.59	0.00063	PASS
					30	0.53	0.00021	PASS
					40	-1.62	-0.00065	PASS
					50	1.70	0.00068	PASS
			MCH	VN	-30	1.26	0.0005	PASS
					-20	-4.41	-0.00174	PASS
					-10	0.13	0.00005	PASS
					0	-0.13	-0.00005	PASS
					10	-2.53	-0.001	PASS
					20	3.28	0.00129	PASS
					30	1.86	0.00073	PASS
					40	-1.96	-0.00077	PASS
					50	1.70	0.00067	PASS
			HCH	VN	-30	2.92	0.00114	PASS
					-20	-2.32	-0.0009	PASS
					-10	0.94	0.00037	PASS
					0	-4.09	-0.00159	PASS
					10	-1.90	-0.00074	PASS
					20	-4.78	-0.00186	PASS
					30	-4.02	-0.00157	PASS
					40	0.36	0.00014	PASS
					50	-2.53	-0.00099	PASS
		15	LCH	VN	-30	-5.29	-0.00211	PASS
					-20	-3.25	-0.0013	PASS
					-10	-1.22	-0.00049	PASS
					0	-4.12	-0.00164	PASS
					10	-3.35	-0.00134	PASS
					20	-1.07	-0.00043	PASS
					30	-7.62	-0.00304	PASS
					40	-3.22	-0.00128	PASS
					50	-2.43	-0.00097	PASS
			MCH	VN	-30	-0.46	-0.00018	PASS
					-20	2.45	0.00097	PASS
					-10	2.60	0.00103	PASS
					0	1.77	0.0007	PASS
					10	2.95	0.00116	PASS
					20	-1.69	-0.00067	PASS
					30	1.52	0.0006	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	2.79	0.0011	PASS
					50	-1.13	-0.00045	PASS
			HCH	VN	-30	0.94	0.00037	PASS
					-20	-1.75	-0.00068	PASS
					-10	-3.63	-0.00142	PASS
					0	-2.96	-0.00116	PASS
					10	-4.99	-0.00195	PASS
					20	-4.18	-0.00163	PASS
					30	-0.14	-0.00005	PASS
					40	1.39	0.00054	PASS
					50	-0.54	-0.00021	PASS
		20	LCH	VN	-30	-0.13	-0.00005	PASS
					-20	-3.36	-0.00134	PASS
					-10	-2.86	-0.00114	PASS
					0	0.24	0.0001	PASS
					10	-1.85	-0.00074	PASS
					20	-0.94	-0.00037	PASS
					30	-3.78	-0.00151	PASS
					40	0.16	0.00006	PASS
					50	-3.72	-0.00148	PASS
			MCH	VN	-30	-0.84	-0.00033	PASS
					-20	2.88	0.00114	PASS
					-10	0.10	0.00004	PASS
					0	1.86	0.00073	PASS
					10	-1.79	-0.00071	PASS
					20	-1.59	-0.00063	PASS
					30	-1.76	-0.00069	PASS
					40	1.82	0.00072	PASS
					50	-2.15	-0.00085	PASS
			HCH	VN	-30	-3.10	-0.00121	PASS
					-20	-2.36	-0.00092	PASS
					-10	-3.96	-0.00155	PASS
					0	-1.86	-0.00073	PASS
					10	-0.23	-0.00009	PASS
					20	0.26	0.0001	PASS
					30	-0.43	-0.00017	PASS
					40	-1.77	-0.00069	PASS
					50	-2.29	-0.00089	PASS
	LTE/TM2	5	LCH	VN	-30	-0.09	-0.00004	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	2.88	0.00115	PASS
					-10	-1.00	-0.0004	PASS
					0	-4.56	-0.00182	PASS
					10	-1.39	-0.00056	PASS
					20	-1.24	-0.0005	PASS
					30	-1.14	-0.00046	PASS
					40	-1.93	-0.00077	PASS
					50	-6.04	-0.00241	PASS
			MCH	VN	-30	-1.52	-0.0006	PASS
					-20	-1.99	-0.00079	PASS
					-10	-2.80	-0.0011	PASS
					0	-3.59	-0.00142	PASS
					10	2.06	0.00081	PASS
					20	-1.89	-0.00075	PASS
					30	2.10	0.00083	PASS
					40	1.87	0.00074	PASS
					50	2.27	0.0009	PASS
			HCH	VN	-30	4.36	0.0017	PASS
					-20	-8.21	-0.0032	PASS
					-10	2.23	0.00087	PASS
					0	3.12	0.00122	PASS
					10	-0.07	-0.00003	PASS
					20	-3.53	-0.00137	PASS
					30	-25.84	-0.01006	PASS
					40	-3.49	-0.00136	PASS
					50	-0.89	-0.00035	PASS
		10	LCH	VN	-30	-3.28	-0.00131	PASS
					-20	1.89	0.00075	PASS
					-10	1.87	0.00075	PASS
					0	1.80	0.00072	PASS
					10	3.53	0.00141	PASS
					20	-3.81	-0.00152	PASS
					30	-1.75	-0.0007	PASS
					40	-3.53	-0.00141	PASS
					50	-5.97	-0.00238	PASS
			MCH	VN	-30	1.06	0.00042	PASS
					-20	3.92	0.00155	PASS
					-10	-1.37	-0.00054	PASS
					0	-0.01	0	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	1.02	0.0004	PASS
					20	0.67	0.00026	PASS
					30	-2.85	-0.00112	PASS
					40	-0.26	-0.0001	PASS
					50	0.99	0.00039	PASS
			HCH	VN	-30	-1.49	-0.00058	PASS
					-20	-2.46	-0.00096	PASS
					-10	-6.12	-0.00239	PASS
					0	-2.79	-0.00109	PASS
					10	-0.89	-0.00035	PASS
					20	-2.07	-0.00081	PASS
					30	0.96	0.00037	PASS
					40	3.09	0.0012	PASS
					50	-3.96	-0.00154	PASS
		15	LCH	VN	-30	-2.06	-0.00082	PASS
					-20	-7.50	-0.00299	PASS
					-10	-2.68	-0.00107	PASS
					0	-4.55	-0.00181	PASS
					10	-2.13	-0.00085	PASS
					20	-1.97	-0.00079	PASS
					30	-5.91	-0.00236	PASS
					40	-1.56	-0.00062	PASS
					50	0.19	0.00008	PASS
			MCH	VN	-30	1.95	0.00077	PASS
					-20	0.84	0.00033	PASS
					-10	2.49	0.00098	PASS
					0	-2.03	-0.0008	PASS
					10	0.74	0.00029	PASS
					20	3.15	0.00124	PASS
					30	-0.03	-0.00001	PASS
					40	3.18	0.00125	PASS
					50	1.93	0.00076	PASS
			HCH	VN	-30	-0.21	-0.00008	PASS
					-20	-3.16	-0.00123	PASS
					-10	-2.69	-0.00105	PASS
					0	-0.49	-0.00019	PASS
					10	-2.29	-0.00089	PASS
					20	-1.87	-0.00073	PASS
					30	-2.73	-0.00107	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			40	1.57	0.00061	PASS
					50	-2.02	-0.00079	PASS
			LCH	VN	-30	0.77	0.00031	PASS
					-20	-0.69	-0.00027	PASS
					-10	-3.42	-0.00136	PASS
					0	-2.53	-0.00101	PASS
					10	-2.95	-0.00118	PASS
					20	-1.36	-0.00054	PASS
					30	-1.80	-0.00072	PASS
					40	-0.57	-0.00023	PASS
					50	-5.45	-0.00217	PASS
			MCH	VN	-30	0.66	0.00026	PASS
					-20	-0.46	-0.00018	PASS
					-10	-4.16	-0.00164	PASS
					0	-1.26	-0.0005	PASS
					10	-1.50	-0.00059	PASS
					20	-1.40	-0.00055	PASS
					30	0.06	0.00002	PASS
					40	1.29	0.00051	PASS
					50	-1.99	-0.00079	PASS
			HCH	VN	-30	1.07	0.00042	PASS
					-20	-1.66	-0.00065	PASS
					-10	-1.96	-0.00077	PASS
					0	-1.37	-0.00054	PASS
					10	-2.17	-0.00085	PASS
					20	-0.97	-0.00038	PASS
					30	-0.14	-0.00005	PASS
					40	-3.63	-0.00142	PASS
					50	-4.66	-0.00182	PASS

END