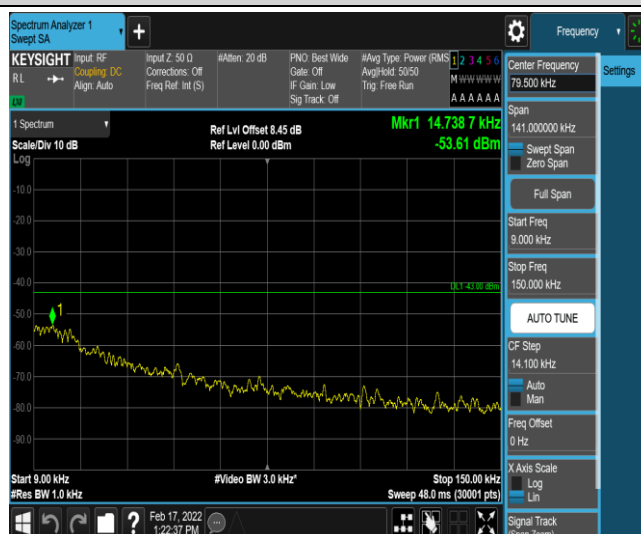




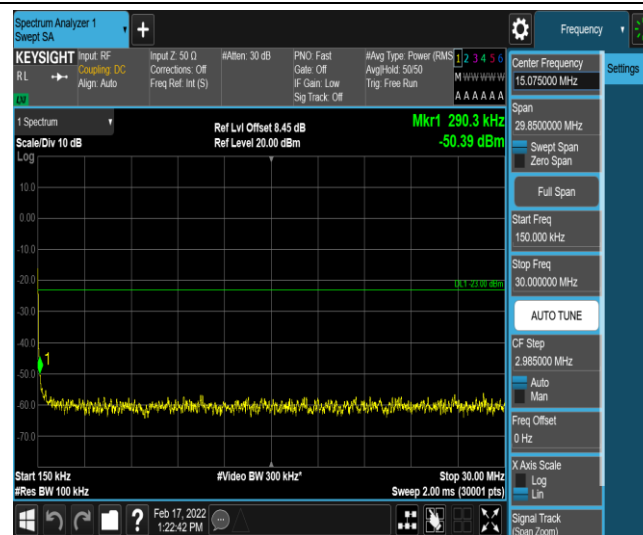
Band26-15MHz-QPSK-26965-1-0-High-5000-12000--57.79-PASS



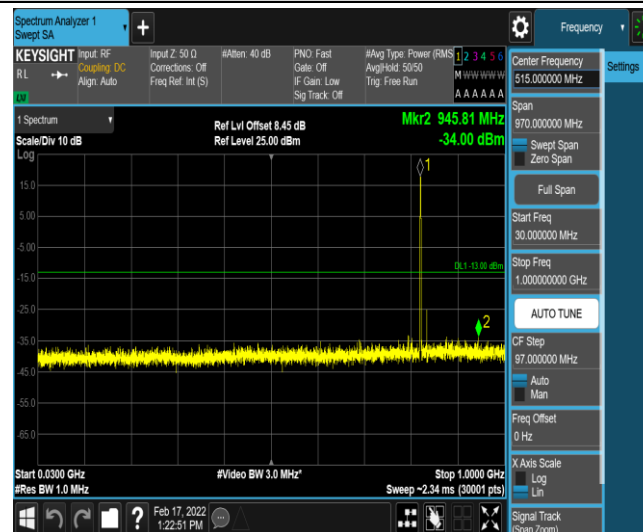
Band26-15MHz-QPSK-26965-1-0-High-12000-26500--51.99-PASS



Band26-15MHz-16QAM-26865-1-0-Low-0.009-0.15--53.61-PASS



Band26-15MHz-16QAM-26865-1-0-Low-0.15-30--50.39-PASS



Band26-15MHz-16QAM-26865-1-0-Low-30-1000--34-PASS



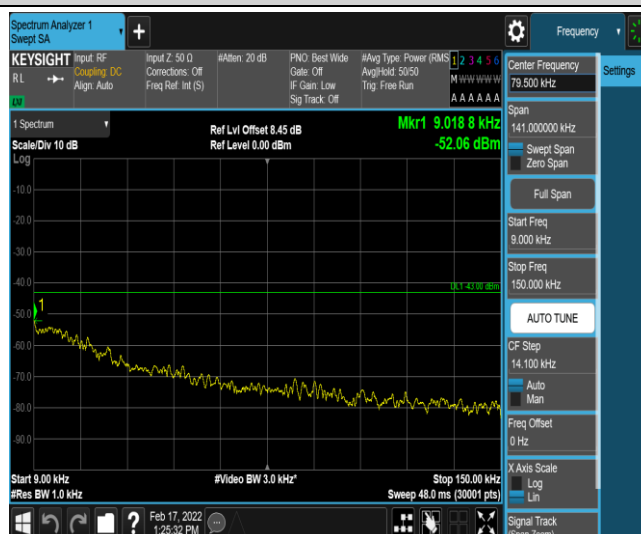
Band26-15MHz-16QAM-26865-1-0-Low-1000-5000--36.66-PASS



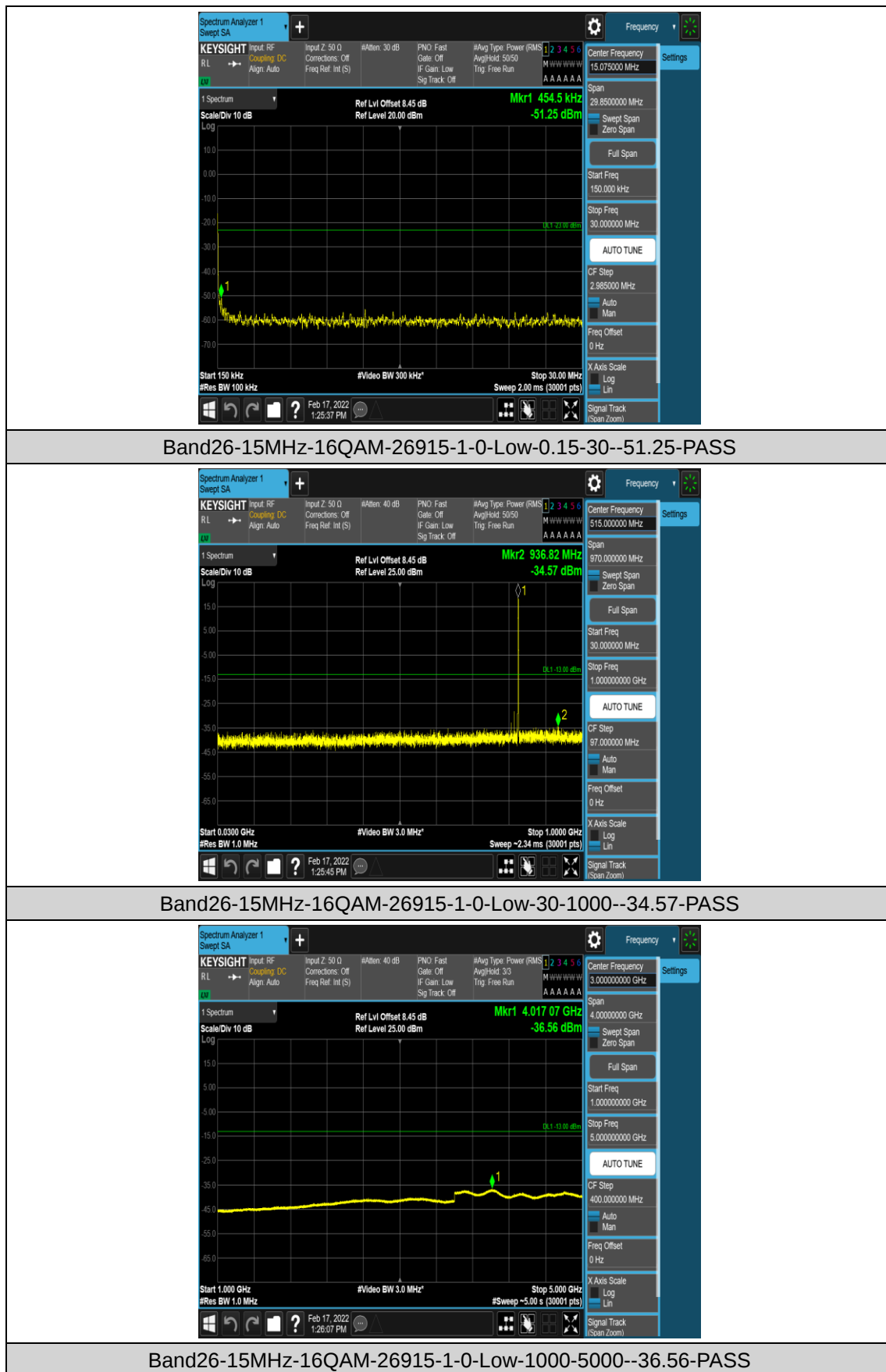
Band26-15MHz-16QAM-26865-1-0-Low-5000-12000--57.79-PASS



Band26-15MHz-16QAM-26865-1-0-Low-12000-26500--52.57-PASS



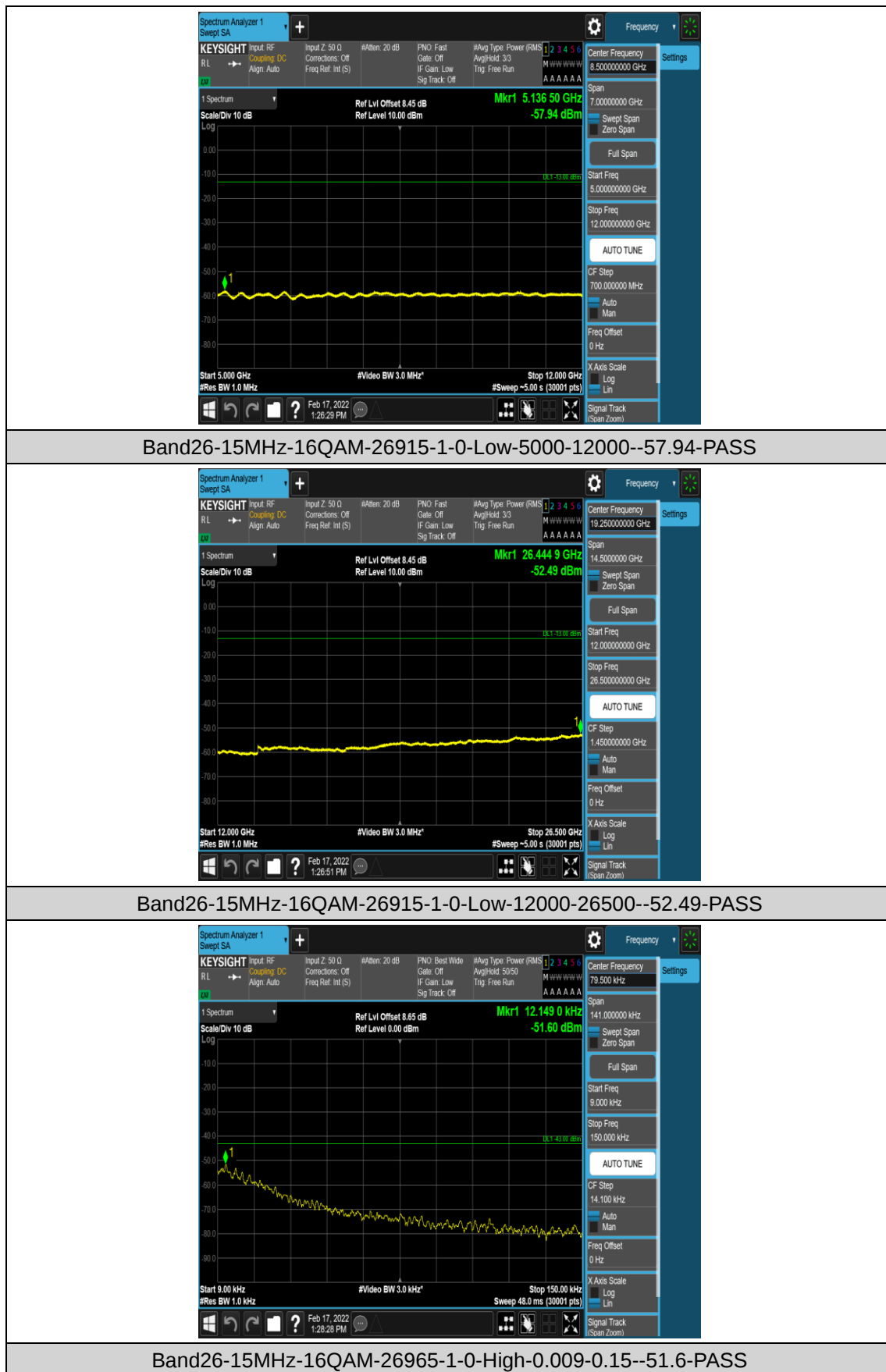
Band26-15MHz-16QAM-26915-1-0-Low-0.009-0.15--52.07-PASS



Band26-15MHz-16QAM-26915-1-0-Low-0.15-30--51.25-PASS

Band26-15MHz-16QAM-26915-1-0-Low-30-1000--34.57-PASS

Band26-15MHz-16QAM-26915-1-0-Low-1000-5000--36.56-PASS





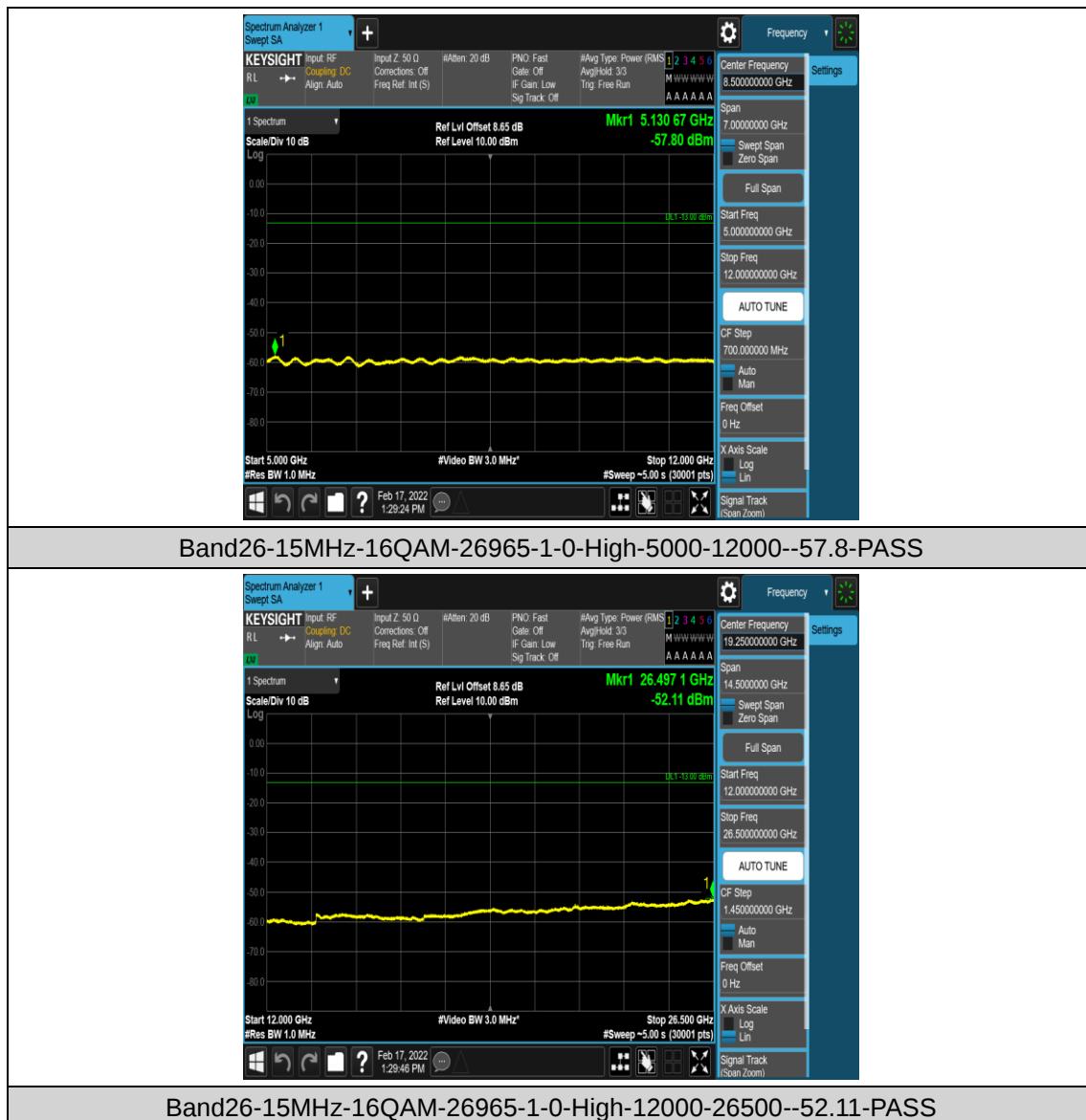
Band26-15MHz-16QAM-26965-1-0-High-0.15-30--48.99-PASS



Band26-15MHz-16QAM-26965-1-0-High-30-1000--33.25-PASS



Band26-15MHz-16QAM-26965-1-0-High-1000-5000--36.46-PASS



Appendix F: Frequency Stability for M1

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.77	0.003359	± 2.5	PASS
		VN	TN	2.83	0.003432	± 2.5	PASS
		VH	TN	4.23	0.005129	± 2.5	PASS
	MCH	VL	TN	4.63	0.005535	± 2.5	PASS
		VN	TN	1.41	0.001686	± 2.5	PASS
		VH	TN	1.85	0.002212	± 2.5	PASS
	HCH	VL	TN	4.74	0.005588	± 2.5	PASS
		VN	TN	-1.84	-0.002169	± 2.5	PASS
		VH	TN	-1.98	-0.002334	± 2.5	PASS
16QAM	LCH	VL	TN	-1.2	-0.001455	± 2.5	PASS
		VN	TN	1.74	0.002110	± 2.5	PASS
		VH	TN	4.83	0.005857	± 2.5	PASS
	MCH	VL	TN	1.85	0.002212	± 2.5	PASS
		VN	TN	2.46	0.002941	± 2.5	PASS
		VH	TN	-0.5	-0.000598	± 2.5	PASS
	HCH	VL	TN	3.02	0.003560	± 2.5	PASS
		VN	TN	4.71	0.005552	± 2.5	PASS
		VH	TN	2.4	0.002829	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.68	0.002037	± 2.5	PASS
		VN	-20	3.76	0.004559	± 2.5	PASS
		VN	-10	-1.13	-0.001370	± 2.5	PASS
		VN	0	-0.56	-0.000679	± 2.5	PASS
		VN	10	3.84	0.004656	± 2.5	PASS
		VN	20	-1.52	-0.001843	± 2.5	PASS
		VN	30	2.55	0.003092	± 2.5	PASS
		VN	40	4.6	0.005578	± 2.5	PASS
		VN	50	0.38	0.000461	± 2.5	PASS
	MCH	VN	-30	4.73	0.005655	± 2.5	PASS

		VN	-20	1.88	0.002247	± 2.5	PASS
		VN	-10	3.5	0.004184	± 2.5	PASS
		VN	0	0.45	0.000538	± 2.5	PASS
		VN	10	2.51	0.003001	± 2.5	PASS
		VN	20	1.62	0.001937	± 2.5	PASS
		VN	30	0.36	0.000430	± 2.5	PASS
		VN	40	3.1	0.003706	± 2.5	PASS
		VN	50	4.36	0.005212	± 2.5	PASS
	HCH	VN	-30	-0.42	-0.000495	± 2.5	PASS
		VN	-20	-1.71	-0.002016	± 2.5	PASS
		VN	-10	-1.34	-0.001580	± 2.5	PASS
		VN	0	2.45	0.002888	± 2.5	PASS
		VN	10	1.33	0.001568	± 2.5	PASS
		VN	20	0.06	0.000071	± 2.5	PASS
		VN	30	-1.11	-0.001308	± 2.5	PASS
		VN	40	-1.9	-0.002240	± 2.5	PASS
		VN	50	1.4	0.001650	± 2.5	PASS
16QAM	LCH	VN	-30	3.18	0.003856	± 2.5	PASS
		VN	-20	-1.75	-0.002122	± 2.5	PASS
		VN	-10	-1.67	-0.002025	± 2.5	PASS
		VN	0	2.05	0.002486	± 2.5	PASS
		VN	10	-0.19	-0.000230	± 2.5	PASS
		VN	20	4.88	0.005917	± 2.5	PASS
		VN	30	4.78	0.005796	± 2.5	PASS
		VN	40	4.37	0.005299	± 2.5	PASS
		VN	50	4.64	0.005626	± 2.5	PASS
	MCH	VN	-30	-1.39	-0.001639	± 2.5	PASS
		VN	-20	-0.66	-0.000778	± 2.5	PASS
		VN	-10	-1.27	-0.001497	± 2.5	PASS
		VN	0	-1.35	-0.001591	± 2.5	PASS
		VN	10	0.62	0.000731	± 2.5	PASS
		VN	20	3.99	0.004704	± 2.5	PASS
		VN	30	4.58	0.005399	± 2.5	PASS
		VN	40	1.96	0.002311	± 2.5	PASS
		VN	50	1.98	0.002334	± 2.5	PASS
	HCH	VN	-30	-1.02	-0.001202	± 2.5	PASS
		VN	-20	-1.56	-0.001839	± 2.5	PASS
		VN	-10	-0.9	-0.001061	± 2.5	PASS
		VN	0	3.32	0.003914	± 2.5	PASS
		VN	10	3.17	0.003737	± 2.5	PASS
		VN	20	-1.07	-0.001261	± 2.5	PASS

		VN	30	-1.48	-0.001745	± 2.5	PASS
		VN	40	2.27	0.002676	± 2.5	PASS
		VN	50	4.18	0.004928	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.77	0.003356	± 2.5	PASS
		VN	TN	3.24	0.003925	± 2.5	PASS
		VH	TN	-0.77	-0.000933	± 2.5	PASS
	MCH	VL	TN	2.61	0.003120	± 2.5	PASS
		VN	TN	-0.74	-0.000885	± 2.5	PASS
		VH	TN	3.18	0.003802	± 2.5	PASS
	HCH	VL	TN	-0.29	-0.000342	± 2.5	PASS
		VN	TN	4.95	0.005841	± 2.5	PASS
		VH	TN	0.63	0.000743	± 2.5	PASS
16QAM	LCH	VL	TN	4.46	0.005403	± 2.5	PASS
		VN	TN	-1.71	-0.002071	± 2.5	PASS
		VH	TN	-1.72	-0.002084	± 2.5	PASS
	MCH	VL	TN	0.09	0.000108	± 2.5	PASS
		VN	TN	4.38	0.005236	± 2.5	PASS
		VH	TN	1.05	0.001255	± 2.5	PASS
	HCH	VL	TN	2.12	0.002501	± 2.5	PASS
		VN	TN	4.28	0.005050	± 2.5	PASS
		VH	TN	-0.55	-0.000649	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.99	0.004833	± 2.5	PASS
		VN	-20	1.04	0.001260	± 2.5	PASS
		VN	-10	4.12	0.004991	± 2.5	PASS
		VN	0	-0.7	-0.000848	± 2.5	PASS
		VN	10	0.34	0.000412	± 2.5	PASS
		VN	20	1.49	0.001805	± 2.5	PASS
		VN	30	-0.59	-0.000715	± 2.5	PASS
		VN	40	2.05	0.002483	± 2.5	PASS
		VN	50	4.92	0.005960	± 2.5	PASS
	MCH	VN	-30	2.5	0.002989	± 2.5	PASS
		VN	-20	4.32	0.005164	± 2.5	PASS

		VN	-10	3.53	0.004220	± 2.5	PASS
		VN	0	-1.37	-0.001638	± 2.5	PASS
		VN	10	-1.25	-0.001494	± 2.5	PASS
		VN	20	4.47	0.005344	± 2.5	PASS
		VN	30	0.27	0.000323	± 2.5	PASS
		VN	40	2.87	0.003431	± 2.5	PASS
		VN	50	2.84	0.003395	± 2.5	PASS
	HCH	VN	-30	3.16	0.003729	± 2.5	PASS
		VN	-20	4.58	0.005404	± 2.5	PASS
		VN	-10	2.63	0.003103	± 2.5	PASS
		VN	0	3.03	0.003575	± 2.5	PASS
		VN	10	2.73	0.003221	± 2.5	PASS
		VN	20	-0.45	-0.000531	± 2.5	PASS
		VN	30	-1.95	-0.002301	± 2.5	PASS
		VN	40	-1.4	-0.001652	± 2.5	PASS
		VN	50	2.21	0.002608	± 2.5	PASS
16QAM	LCH	VN	-30	0.85	0.001016	± 2.5	PASS
		VN	-20	2.95	0.003527	± 2.5	PASS
		VN	-10	1.91	0.002283	± 2.5	PASS
		VN	0	-0.64	-0.000765	± 2.5	PASS
		VN	10	3.2	0.003825	± 2.5	PASS
		VN	20	0.84	0.001004	± 2.5	PASS
		VN	30	-1.67	-0.001996	± 2.5	PASS
		VN	40	2.27	0.002714	± 2.5	PASS
		VN	50	-0.86	-0.001028	± 2.5	PASS
	MCH	VN	-30	4.47	0.005274	± 2.5	PASS
		VN	-20	0.57	0.000673	± 2.5	PASS
		VN	-10	0.17	0.000201	± 2.5	PASS
		VN	0	1.59	0.001876	± 2.5	PASS
		VN	10	0.16	0.000189	± 2.5	PASS
		VN	20	1.55	0.001829	± 2.5	PASS
		VN	30	1.14	0.001345	± 2.5	PASS
		VN	40	-1.72	-0.002029	± 2.5	PASS
		VN	50	3.84	0.004531	± 2.5	PASS
	HCH	VN	-30	3.02	0.003563	± 2.5	PASS
		VN	-20	1.57	0.001853	± 2.5	PASS
		VN	-10	-1.06	-0.001251	± 2.5	PASS
		VN	0	3.03	0.003575	± 2.5	PASS
		VN	10	1.98	0.002336	± 2.5	PASS
		VN	20	0.02	0.000024	± 2.5	PASS
		VN	30	3.62	0.004271	± 2.5	PASS

		VN	40	3.1	0.003658	± 2.5	PASS
		VN	50	2.88	0.003398	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.77	0.003351	± 2.5	PASS
		VN	TN	1.38	0.001670	± 2.5	PASS
		VH	TN	4.71	0.005699	± 2.5	PASS
	MCH	VL	TN	2.54	0.003036	± 2.5	PASS
		VN	TN	3.04	0.003634	± 2.5	PASS
		VH	TN	1.36	0.001626	± 2.5	PASS
	HCH	VL	TN	3.49	0.004123	± 2.5	PASS
		VN	TN	4.34	0.005127	± 2.5	PASS
		VH	TN	4.81	0.005682	± 2.5	PASS
16QAM	LCH	VL	TN	4.26	0.005154	± 2.5	PASS
		VN	TN	-1.81	-0.002190	± 2.5	PASS
		VH	TN	1.24	0.001500	± 2.5	PASS
	MCH	VL	TN	3.64	0.004351	± 2.5	PASS
		VN	TN	1.11	0.001327	± 2.5	PASS
		VH	TN	2.46	0.002941	± 2.5	PASS
	HCH	VL	TN	-1.41	-0.001666	± 2.5	PASS
		VN	TN	1.71	0.002020	± 2.5	PASS
		VH	TN	3.9	0.004607	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.44	0.000532	± 2.5	PASS
		VN	-20	1.71	0.002069	± 2.5	PASS
		VN	-10	0.28	0.000339	± 2.5	PASS
		VN	0	4.85	0.005868	± 2.5	PASS
		VN	10	4.79	0.005796	± 2.5	PASS
		VN	20	-0.45	-0.000544	± 2.5	PASS
		VN	30	3.33	0.004029	± 2.5	PASS
		VN	40	1.11	0.001343	± 2.5	PASS
		VN	50	-0.07	-0.000085	± 2.5	PASS
	MCH	VN	-30	4.12	0.004925	± 2.5	PASS
		VN	-20	3.75	0.004483	± 2.5	PASS
		VN	-10	-0.09	-0.000108	± 2.5	PASS

		VN	0	4.65	0.005559	± 2.5	PASS
		VN	10	3.34	0.003993	± 2.5	PASS
		VN	20	-0.38	-0.000454	± 2.5	PASS
		VN	30	4.3	0.005140	± 2.5	PASS
		VN	40	0.89	0.001064	± 2.5	PASS
		VN	50	1.4	0.001674	± 2.5	PASS
	HCH	VN	-30	1.28	0.001512	± 2.5	PASS
		VN	-20	1.58	0.001867	± 2.5	PASS
		VN	-10	-1.19	-0.001406	± 2.5	PASS
		VN	0	-1.43	-0.001689	± 2.5	PASS
		VN	10	-0.81	-0.000957	± 2.5	PASS
		VN	20	3.97	0.004690	± 2.5	PASS
		VN	30	-0.04	-0.000047	± 2.5	PASS
		VN	40	0.87	0.001028	± 2.5	PASS
		VN	50	2.76	0.003260	± 2.5	PASS
16QAM	LCH	VN	-30	-0.49	-0.000586	± 2.5	PASS
		VN	-20	3.37	0.004029	± 2.5	PASS
		VN	-10	3.51	0.004196	± 2.5	PASS
		VN	0	4.34	0.005188	± 2.5	PASS
		VN	10	-0.38	-0.000454	± 2.5	PASS
		VN	20	4.42	0.005284	± 2.5	PASS
		VN	30	-1.85	-0.002212	± 2.5	PASS
		VN	40	4.57	0.005463	± 2.5	PASS
		VN	50	2.7	0.003228	± 2.5	PASS
	MCH	VN	-30	3.6	0.004253	± 2.5	PASS
		VN	-20	3.65	0.004312	± 2.5	PASS
		VN	-10	1.43	0.001689	± 2.5	PASS
		VN	0	4.84	0.005718	± 2.5	PASS
		VN	10	2.69	0.003178	± 2.5	PASS
		VN	20	2.17	0.002563	± 2.5	PASS
		VN	30	3.71	0.004383	± 2.5	PASS
		VN	40	2.92	0.003449	± 2.5	PASS
		VN	50	4.79	0.005659	± 2.5	PASS
	HCH	VN	-30	4.3	0.005080	± 2.5	PASS
		VN	-20	2.08	0.002457	± 2.5	PASS
		VN	-10	-0.42	-0.000496	± 2.5	PASS
		VN	0	4.75	0.005611	± 2.5	PASS
		VN	10	1.22	0.001441	± 2.5	PASS
		VN	20	3.81	0.004501	± 2.5	PASS
		VN	30	1.52	0.001796	± 2.5	PASS
		VN	40	1.33	0.001571	± 2.5	PASS

		VN	50	-0.61	-0.000721	± 2.5	PASS
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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.77	0.003341	± 2.5	PASS
		VN	TN	2.53	0.003052	± 2.5	PASS
		VH	TN	4.54	0.005476	± 2.5	PASS
	MCH	VL	TN	4.19	0.005009	± 2.5	PASS
		VN	TN	-1	-0.001195	± 2.5	PASS
		VH	TN	-1.59	-0.001901	± 2.5	PASS
	HCH	VL	TN	-1.32	-0.001564	± 2.5	PASS
		VN	TN	-0.97	-0.001149	± 2.5	PASS
		VH	TN	4.69	0.005557	± 2.5	PASS
16QAM	LCH	VL	TN	3.8	0.004584	± 2.5	PASS
		VN	TN	4.93	0.005947	± 2.5	PASS
		VH	TN	-0.08	-0.000097	± 2.5	PASS
	MCH	VL	TN	0.85	0.001016	± 2.5	PASS
		VN	TN	1.71	0.002044	± 2.5	PASS
		VH	TN	3.66	0.004375	± 2.5	PASS
	HCH	VL	TN	2.79	0.003306	± 2.5	PASS
		VN	TN	-1.67	-0.001979	± 2.5	PASS
		VH	TN	0.85	0.001007	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.7	0.002051	± 2.5	PASS
		VN	-20	4.85	0.005850	± 2.5	PASS
		VN	-10	-0.67	-0.000808	± 2.5	PASS
		VN	0	3.8	0.004584	± 2.5	PASS
		VN	10	1.33	0.001604	± 2.5	PASS
		VN	20	-1.86	-0.002244	± 2.5	PASS
		VN	30	3.77	0.004548	± 2.5	PASS
		VN	40	2.42	0.002919	± 2.5	PASS
		VN	50	2.31	0.002786	± 2.5	PASS
	MCH	VN	-30	3.17	0.003790	± 2.5	PASS
		VN	-20	3.64	0.004351	± 2.5	PASS
		VN	-10	1.33	0.001590	± 2.5	PASS
		VN	0	0.86	0.001028	± 2.5	PASS

		VN	10	3.82	0.004567	± 2.5	PASS
		VN	20	-0.91	-0.001088	± 2.5	PASS
		VN	30	2.05	0.002451	± 2.5	PASS
		VN	40	0.37	0.000442	± 2.5	PASS
		VN	50	-1.7	-0.002032	± 2.5	PASS
	HCH	VN	-30	-1.8	-0.002133	± 2.5	PASS
		VN	-20	4.75	0.005628	± 2.5	PASS
		VN	-10	0.61	0.000723	± 2.5	PASS
		VN	0	1.55	0.001836	± 2.5	PASS
		VN	10	-1.08	-0.001280	± 2.5	PASS
		VN	20	2.69	0.003187	± 2.5	PASS
		VN	30	3.03	0.003590	± 2.5	PASS
		VN	40	-1.02	-0.001209	± 2.5	PASS
		VN	50	0.83	0.000983	± 2.5	PASS
		VN	-30	0.09	0.000108	± 2.5	PASS
16QAM	LCH	VN	-20	3.16	0.003778	± 2.5	PASS
		VN	-10	3.04	0.003634	± 2.5	PASS
		VN	0	-0.33	-0.000395	± 2.5	PASS
		VN	10	-0.62	-0.000741	± 2.5	PASS
		VN	20	4.83	0.005774	± 2.5	PASS
		VN	30	4.98	0.005953	± 2.5	PASS
		VN	40	-0.95	-0.001136	± 2.5	PASS
		VN	50	-1.92	-0.002295	± 2.5	PASS
	MCH	VN	-30	3.75	0.004443	± 2.5	PASS
		VN	-20	2.86	0.003389	± 2.5	PASS
		VN	-10	-0.39	-0.000462	± 2.5	PASS
		VN	0	-1.24	-0.001469	± 2.5	PASS
		VN	10	3.74	0.004431	± 2.5	PASS
		VN	20	2.65	0.003140	± 2.5	PASS
		VN	30	3.71	0.004396	± 2.5	PASS
		VN	40	1.23	0.001457	± 2.5	PASS
		VN	50	3.51	0.004159	± 2.5	PASS
	HCH	VN	-30	3.84	0.004550	± 2.5	PASS
		VN	-20	3.31	0.003922	± 2.5	PASS
		VN	-10	3.57	0.004230	± 2.5	PASS
		VN	0	-0.97	-0.001149	± 2.5	PASS
		VN	10	2.78	0.003294	± 2.5	PASS
		VN	20	4.38	0.005190	± 2.5	PASS
		VN	30	4	0.004739	± 2.5	PASS
		VN	40	-1.14	-0.001351	± 2.5	PASS
		VN	50	0.99	0.001173	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-2	-0.002405	± 2.5	PASS
		VN	TN	-1.16	-0.001395	± 2.5	PASS
		VH	TN	0.56	0.000673	± 2.5	PASS
	MCH	VL	TN	2.22	0.002654	± 2.5	PASS
		VN	TN	2.33	0.002785	± 2.5	PASS
		VH	TN	-0.2	-0.000239	± 2.5	PASS
	HCH	VL	TN	-0.76	-0.000903	± 2.5	PASS
		VN	TN	0.95	0.001129	± 2.5	PASS
		VH	TN	3.43	0.004076	± 2.5	PASS
16QAM	LCH	VL	TN	-1.14	-0.001371	± 2.5	PASS
		VN	TN	-1.36	-0.001636	± 2.5	PASS
		VH	TN	2.45	0.002946	± 2.5	PASS
	MCH	VL	TN	0.08	0.000096	± 2.5	PASS
		VN	TN	1.87	0.002236	± 2.5	PASS
		VH	TN	3.84	0.004591	± 2.5	PASS
	HCH	VL	TN	0.65	0.000772	± 2.5	PASS
		VN	TN	2.63	0.003125	± 2.5	PASS
		VH	TN	-1.76	-0.002092	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.75	0.003307	± 2.5	PASS
		VN	-20	4.69	0.005640	± 2.5	PASS
		VN	-10	0.44	0.000529	± 2.5	PASS
		VN	0	2.53	0.003043	± 2.5	PASS
		VN	10	2.45	0.002946	± 2.5	PASS
		VN	20	2.07	0.002489	± 2.5	PASS
		VN	30	4.59	0.005520	± 2.5	PASS
		VN	40	4.84	0.005821	± 2.5	PASS
		VN	50	0.08	0.000096	± 2.5	PASS
	MCH	VN	-30	2.7	0.003228	± 2.5	PASS
		VN	-20	-0.4	-0.000478	± 2.5	PASS
		VN	-10	1.6	0.001913	± 2.5	PASS
		VN	0	0.1	0.000120	± 2.5	PASS
		VN	10	0.69	0.000825	± 2.5	PASS
		VN	20	2.07	0.002489	± 2.5	PASS

		VN	20	0.46	0.000550	± 2.5	PASS
		VN	30	4.83	0.005774	± 2.5	PASS
		VN	40	2.64	0.003156	± 2.5	PASS
		VN	50	-0.17	-0.000203	± 2.5	PASS
	HCH	VN	-30	3.01	0.003577	± 2.5	PASS
		VN	-20	-1.43	-0.001699	± 2.5	PASS
		VN	-10	-1.33	-0.001581	± 2.5	PASS
		VN	0	3.6	0.004278	± 2.5	PASS
		VN	10	4.75	0.005645	± 2.5	PASS
		VN	20	1.93	0.002294	± 2.5	PASS
		VN	30	-1.93	-0.002294	± 2.5	PASS
		VN	40	-1.02	-0.001212	± 2.5	PASS
		VN	50	0.3	0.000357	± 2.5	PASS
		VN	-30	0.34	0.000409	± 2.5	PASS
		VN	-20	0.31	0.000373	± 2.5	PASS
		VN	-10	-0.36	-0.000433	± 2.5	PASS
		VN	0	2.41	0.002898	± 2.5	PASS
		VN	10	2.06	0.002477	± 2.5	PASS
16QAM	LCH	VN	20	-0.34	-0.000409	± 2.5	PASS
		VN	30	-1.21	-0.001455	± 2.5	PASS
		VN	40	-1.37	-0.001648	± 2.5	PASS
		VN	50	3.73	0.004486	± 2.5	PASS
	MCH	VN	-30	2.34	0.002797	± 2.5	PASS
		VN	-20	-1.89	-0.002259	± 2.5	PASS
		VN	-10	2.49	0.002977	± 2.5	PASS
		VN	0	-1.53	-0.001829	± 2.5	PASS
		VN	10	-0.68	-0.000813	± 2.5	PASS
		VN	20	0.32	0.000383	± 2.5	PASS
		VN	30	2.1	0.002510	± 2.5	PASS
		VN	40	0.16	0.000191	± 2.5	PASS
		VN	50	4.51	0.005392	± 2.5	PASS
	HCH	VN	-30	4.52	0.005371	± 2.5	PASS
		VN	-20	4.69	0.005573	± 2.5	PASS
		VN	-10	3.38	0.004017	± 2.5	PASS
		VN	0	0.83	0.000986	± 2.5	PASS
		VN	10	2.16	0.002567	± 2.5	PASS
		VN	20	2.67	0.003173	± 2.5	PASS
		VN	30	2.71	0.003220	± 2.5	PASS
		VN	40	-0.47	-0.000559	± 2.5	PASS
		VN	50	2.5	0.002971	± 2.5	PASS