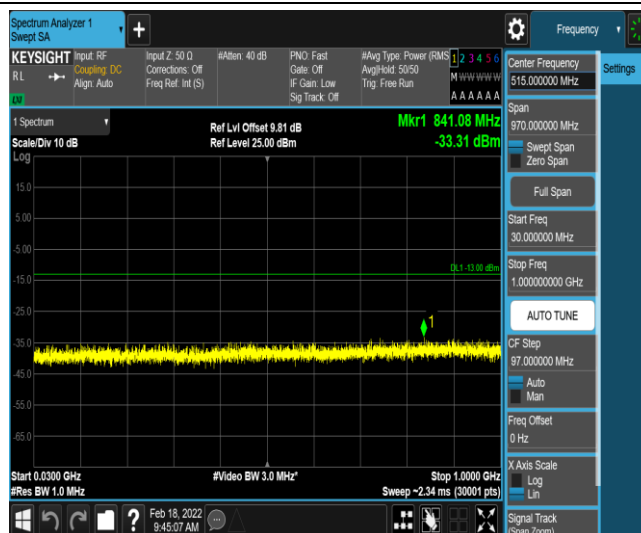




Band2-20MHz-QPSK-18700-1-0-Low-30-1000--33.31-PASS



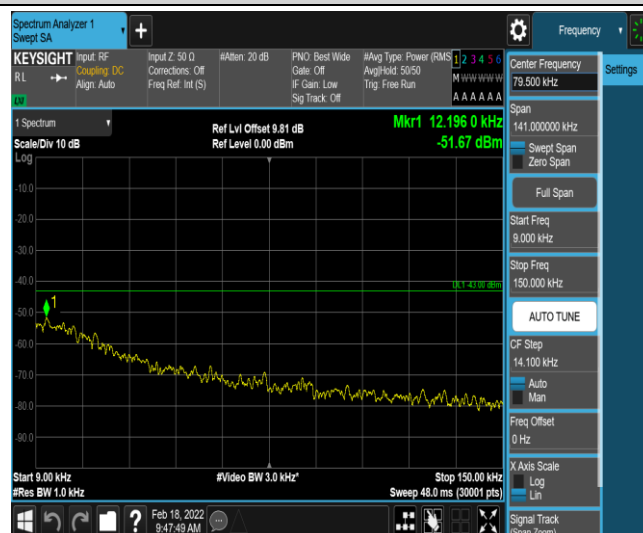
Band2-20MHz-QPSK-18700-1-0-Low-1000-5000--35.4-PASS



Band2-20MHz-QPSK-18700-1-0-Low-5000-12000--56.39-PASS



Band2-20MHz-QPSK-18700-1-0-Low-12000-26500--51.14-PASS



Band2-20MHz-QPSK-18900-1-0-Low-0.009-0.15--51.67-PASS



Band2-20MHz-QPSK-18900-1-0-Low-0.15-30--51.41-PASS



Band2-20MHz-QPSK-18900-1-0-Low-30-1000--33.28-PASS



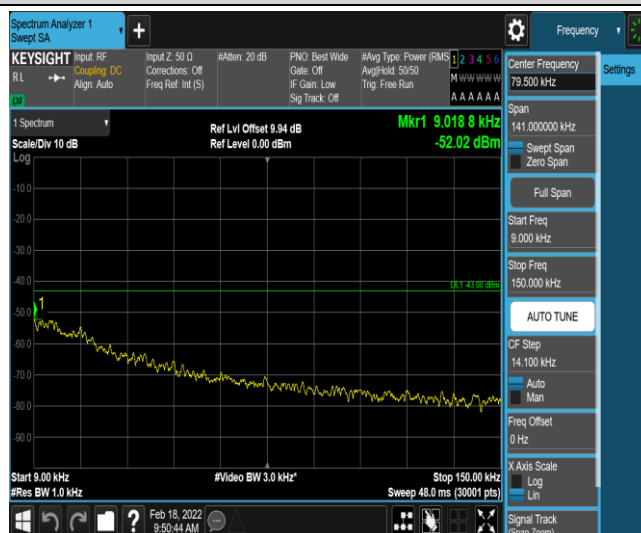
Band2-20MHz-QPSK-18900-1-0-Low-1000-5000--35.32-PASS



Band2-20MHz-QPSK-18900-1-0-Low-5000-12000--56.64-PASS



Band2-20MHz-QPSK-18900-1-0-Low-12000-26500--51.06-PASS

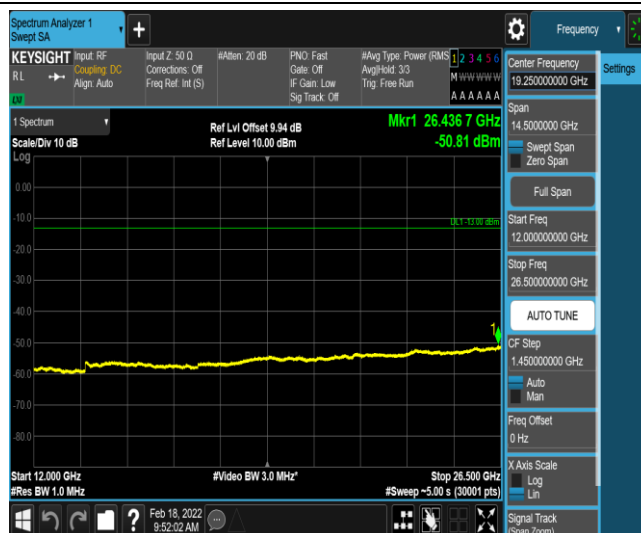


Band2-20MHz-QPSK-19100-1-0-High-0.009-0.15--52.02-PASS

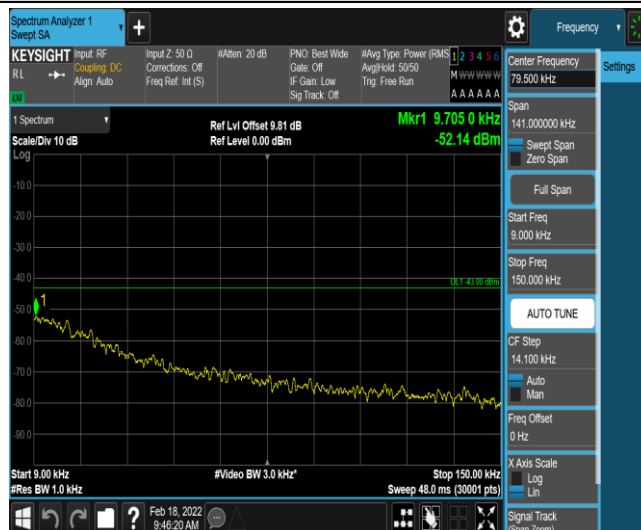


Band2-20MHz-QPSK-19100-1-0-High-0.15-30--49.85-PASS





Band2-20MHz-QPSK-19100-1-0-High-12000-26500--50.81-PASS



Band2-20MHz-16QAM-18700-1-0-Low-0.009-0.15--52.14-PASS



Band2-20MHz-16QAM-18700-1-0-Low-0.15-30--49.52-PASS



Band2-20MHz-16QAM-18700-1-0-Low-30-1000--31.35-PASS



Band2-20MHz-16QAM-18700-1-0-Low-1000-5000--35.5-PASS



Band2-20MHz-16QAM-18700-1-0-Low-5000-12000--56.46-PASS



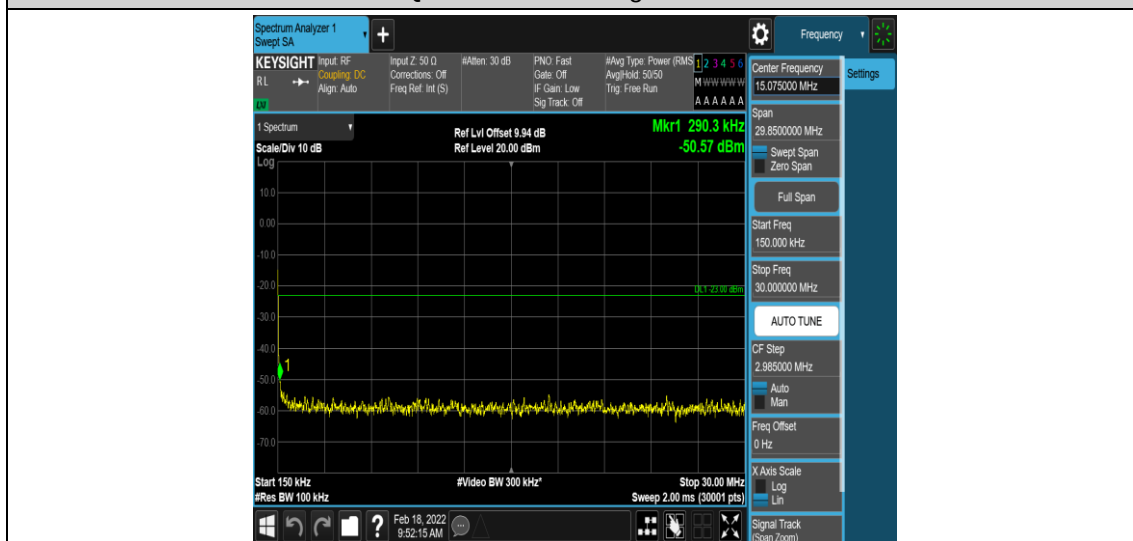




Band2-20MHz-16QAM-18900-1-0-Low-12000-26500--51.18-PASS



Band2-20MHz-16QAM-19100-1-0-High-0.009-0.15--52.11-PASS



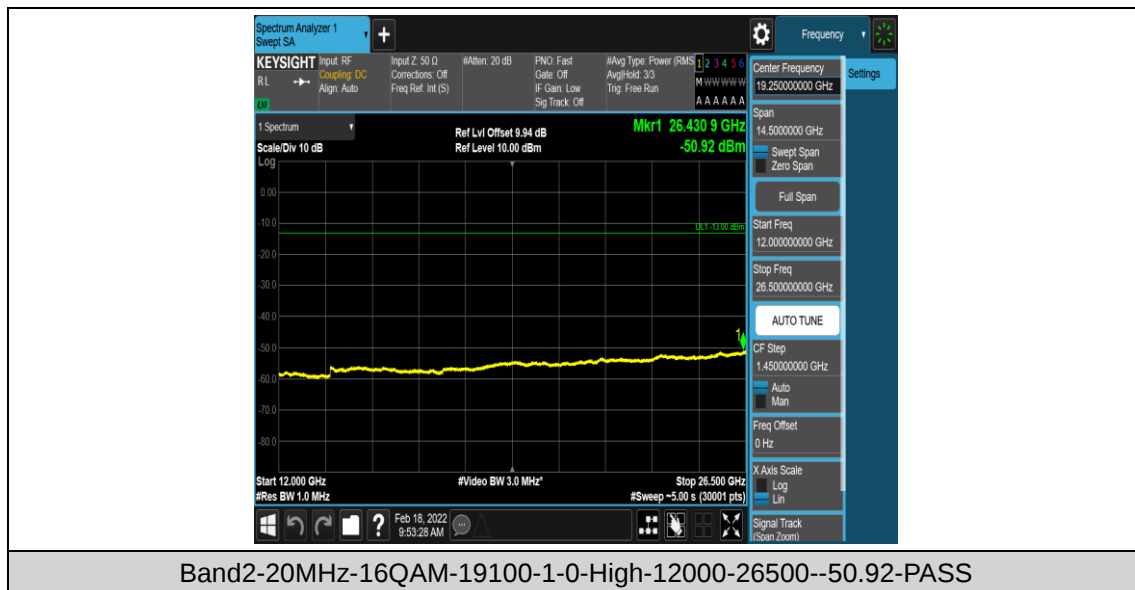
Band2-20MHz-16QAM-19100-1-0-High-0.15-30--50.57-PASS



Band2-20MHz-16QAM-19100-1-0-High-30-1000--33.17-PASS

Band2-20MHz-16QAM-19100-1-0-High-1000-5000--35.23-PASS

Band2-20MHz-16QAM-19100-1-0-High-5000-12000--56.58-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	-0.38	-0.000205	± 2.5	PASS
		VN	TN	2.1	0.001135	± 2.5	PASS
		VH	TN	-0.56	-0.000303	± 2.5	PASS
	MCH	VL	TN	4.58	0.002436	± 2.5	PASS
		VN	TN	2.39	0.001271	± 2.5	PASS
		VH	TN	3.68	0.001957	± 2.5	PASS
	HCH	VL	TN	-0.07	-0.000037	± 2.5	PASS
		VN	TN	1.34	0.000702	± 2.5	PASS
		VH	TN	4.52	0.002367	± 2.5	PASS
16QAM	LCH	VL	TN	0.1	0.000054	± 2.5	PASS
		VN	TN	-0.87	-0.000470	± 2.5	PASS
		VH	TN	2.05	0.001108	± 2.5	PASS
	MCH	VL	TN	4.5	0.002394	± 2.5	PASS
		VN	TN	3.47	0.001846	± 2.5	PASS
		VH	TN	4.21	0.002239	± 2.5	PASS
	HCH	VL	TN	-0.1	-0.000052	± 2.5	PASS
		VN	TN	4.19	0.002195	± 2.5	PASS
		VH	TN	-1.23	-0.000644	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.11	-0.000059	± 2.5	PASS
		VN	-20	2.56	0.001383	± 2.5	PASS
		VN	-10	3.84	0.002075	± 2.5	PASS
		VN	0	-0.42	-0.000227	± 2.5	PASS
		VN	10	-1.13	-0.000611	± 2.5	PASS
		VN	20	0.31	0.000168	± 2.5	PASS
		VN	30	2.45	0.001324	± 2.5	PASS
		VN	40	1.56	0.000843	± 2.5	PASS
		VN	50	4.56	0.002464	± 2.5	PASS
	MCH	VN	-30	0.45	0.000239	± 2.5	PASS

		VN	-20	2.68	0.001426	± 2.5	PASS
		VN	-10	-0.27	-0.000144	± 2.5	PASS
		VN	0	1.05	0.000559	± 2.5	PASS
		VN	10	3.32	0.001766	± 2.5	PASS
		VN	20	-1.39	-0.000739	± 2.5	PASS
		VN	30	-1.5	-0.000798	± 2.5	PASS
		VN	40	1.97	0.001048	± 2.5	PASS
		VN	50	0.92	0.000489	± 2.5	PASS
	HCH	VN	-30	3.78	0.001980	± 2.5	PASS
		VN	-20	-0.62	-0.000325	± 2.5	PASS
		VN	-10	-1	-0.000524	± 2.5	PASS
		VN	0	-0.4	-0.000210	± 2.5	PASS
		VN	10	1.81	0.000948	± 2.5	PASS
		VN	20	3.49	0.001828	± 2.5	PASS
		VN	30	2.43	0.001273	± 2.5	PASS
		VN	40	-0.66	-0.000346	± 2.5	PASS
		VN	50	1.63	0.000854	± 2.5	PASS
16QAM	LCH	VN	-30	3.29	0.001778	± 2.5	PASS
		VN	-20	0.11	0.000059	± 2.5	PASS
		VN	-10	4.33	0.002340	± 2.5	PASS
		VN	0	0.99	0.000535	± 2.5	PASS
		VN	10	2.42	0.001308	± 2.5	PASS
		VN	20	1.43	0.000773	± 2.5	PASS
		VN	30	4.47	0.002415	± 2.5	PASS
		VN	40	3.1	0.001675	± 2.5	PASS
		VN	50	0.89	0.000481	± 2.5	PASS
	MCH	VN	-30	-1.23	-0.000654	± 2.5	PASS
		VN	-20	0.58	0.000309	± 2.5	PASS
		VN	-10	-0.29	-0.000154	± 2.5	PASS
		VN	0	0.17	0.000090	± 2.5	PASS
		VN	10	4.01	0.002133	± 2.5	PASS
		VN	20	-1.97	-0.001048	± 2.5	PASS
		VN	30	3.78	0.002011	± 2.5	PASS
		VN	40	2.99	0.001590	± 2.5	PASS
		VN	50	0.86	0.000457	± 2.5	PASS
	HCH	VN	-30	3.28	0.001718	± 2.5	PASS
		VN	-20	3.05	0.001597	± 2.5	PASS
		VN	-10	1.46	0.000765	± 2.5	PASS
		VN	0	2.5	0.001309	± 2.5	PASS
		VN	10	4.91	0.002572	± 2.5	PASS
		VN	20	3.83	0.002006	± 2.5	PASS

		VN	30	-1.8	-0.000943	± 2.5	PASS
		VN	40	4.82	0.002524	± 2.5	PASS
		VN	50	2.28	0.001194	± 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	2.63	0.001420	± 2.5	PASS
		VN	TN	-1.8	-0.000972	± 2.5	PASS
		VH	TN	3.72	0.002009	± 2.5	PASS
	MCH	VL	TN	4.97	0.002644	± 2.5	PASS
		VN	TN	4.39	0.002335	± 2.5	PASS
		VH	TN	-1.06	-0.000564	± 2.5	PASS
	HCH	VL	TN	0.09	0.000047	± 2.5	PASS
		VN	TN	4.62	0.002421	± 2.5	PASS
		VH	TN	3.24	0.001698	± 2.5	PASS
16QAM	LCH	VL	TN	0.44	0.000238	± 2.5	PASS
		VN	TN	-0.82	-0.000443	± 2.5	PASS
		VH	TN	3.2	0.001728	± 2.5	PASS
	MCH	VL	TN	-1.91	-0.001016	± 2.5	PASS
		VN	TN	4.7	0.002500	± 2.5	PASS
		VH	TN	-1.77	-0.000941	± 2.5	PASS
	HCH	VL	TN	1.45	0.000760	± 2.5	PASS
		VN	TN	2.81	0.001472	± 2.5	PASS
		VH	TN	0.56	0.000293	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.47	0.001874	± 2.5	PASS
		VN	-20	3.77	0.002036	± 2.5	PASS
		VN	-10	1.61	0.000870	± 2.5	PASS
		VN	0	4.83	0.002609	± 2.5	PASS
		VN	10	1.21	0.000654	± 2.5	PASS
		VN	20	4.63	0.002501	± 2.5	PASS
		VN	30	-1.87	-0.001010	± 2.5	PASS
		VN	40	3.47	0.001874	± 2.5	PASS
		VN	50	4.29	0.002317	± 2.5	PASS
	MCH	VN	-30	2.45	0.001303	± 2.5	PASS
		VN	-20	-0.22	-0.000117	± 2.5	PASS

		VN	-10	-1.24	-0.000660	± 2.5	PASS
		VN	0	3.01	0.001601	± 2.5	PASS
		VN	10	2.41	0.001282	± 2.5	PASS
		VN	20	3.07	0.001633	± 2.5	PASS
		VN	30	4.67	0.002484	± 2.5	PASS
		VN	40	1.1	0.000585	± 2.5	PASS
		VN	50	3.88	0.002064	± 2.5	PASS
	HCH	VN	-30	0.38	0.000199	± 2.5	PASS
		VN	-20	1.5	0.000786	± 2.5	PASS
		VN	-10	1.62	0.000849	± 2.5	PASS
		VN	0	0.71	0.000372	± 2.5	PASS
		VN	10	1.58	0.000828	± 2.5	PASS
		VN	20	3.16	0.001656	± 2.5	PASS
		VN	30	0.31	0.000162	± 2.5	PASS
		VN	40	-1.21	-0.000634	± 2.5	PASS
	VN	50	-0.26	-0.000136	± 2.5	PASS	
QPSK	LCH	VN	-30	1.44	0.000778	± 2.5	PASS
		VN	-20	4.4	0.002376	± 2.5	PASS
		VN	-10	-0.23	-0.000124	± 2.5	PASS
		VN	0	3.82	0.002063	± 2.5	PASS
		VN	10	-1.44	-0.000778	± 2.5	PASS
		VN	20	1.14	0.000616	± 2.5	PASS
		VN	30	-0.02	-0.000011	± 2.5	PASS
		VN	40	-1.59	-0.000859	± 2.5	PASS
		VN	50	0.82	0.000443	± 2.5	PASS
	MCH	VN	-30	-0.5	-0.000266	± 2.5	PASS
		VN	-20	3.98	0.002117	± 2.5	PASS
		VN	-10	4.48	0.002383	± 2.5	PASS
		VN	0	4.96	0.002638	± 2.5	PASS
		VN	10	-1.57	-0.000835	± 2.5	PASS
		VN	20	3.95	0.002101	± 2.5	PASS
		VN	30	-1.65	-0.000878	± 2.5	PASS
		VN	40	2.04	0.001085	± 2.5	PASS
		VN	50	3.43	0.001824	± 2.5	PASS
	HCH	VN	-30	2.64	0.001383	± 2.5	PASS
		VN	-20	-1.18	-0.000618	± 2.5	PASS
		VN	-10	2.37	0.001242	± 2.5	PASS
		VN	0	-0.37	-0.000194	± 2.5	PASS
		VN	10	3.64	0.001907	± 2.5	PASS
		VN	20	1.6	0.000838	± 2.5	PASS
VN		30	-1.33	-0.000697	± 2.5	PASS	

		VN	40	1.56	0.000817	± 2.5	PASS
		VN	50	-1.71	-0.000896	± 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	4.72	0.002548	± 2.5	PASS
		VN	TN	3.83	0.002067	± 2.5	PASS
		VH	TN	2.91	0.001571	± 2.5	PASS
	MCH	VL	TN	1.61	0.000856	± 2.5	PASS
		VN	TN	4.23	0.002250	± 2.5	PASS
		VH	TN	3.89	0.002069	± 2.5	PASS
	HCH	VL	TN	1.18	0.000619	± 2.5	PASS
		VN	TN	2.4	0.001258	± 2.5	PASS
		VH	TN	2.06	0.001080	± 2.5	PASS
16QAM	LCH	VL	TN	-1.15	-0.000621	± 2.5	PASS
		VN	TN	4.09	0.002208	± 2.5	PASS
		VH	TN	2.03	0.001096	± 2.5	PASS
	MCH	VL	TN	0.75	0.000399	± 2.5	PASS
		VN	TN	4.16	0.002213	± 2.5	PASS
		VH	TN	-0.89	-0.000473	± 2.5	PASS
	HCH	VL	TN	3.69	0.001934	± 2.5	PASS
		VN	TN	0.39	0.000204	± 2.5	PASS
		VH	TN	2.09	0.001096	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.38	0.000745	± 2.5	PASS
		VN	-20	3.39	0.001830	± 2.5	PASS
		VN	-10	0.23	0.000124	± 2.5	PASS
		VN	0	-1.82	-0.000982	± 2.5	PASS
		VN	10	1.64	0.000885	± 2.5	PASS
		VN	20	3.81	0.002057	± 2.5	PASS
		VN	30	-0.51	-0.000275	± 2.5	PASS
		VN	40	-1.21	-0.000653	± 2.5	PASS
		VN	50	4.68	0.002526	± 2.5	PASS
	MCH	VN	-30	0.29	0.000154	± 2.5	PASS
		VN	-20	3.58	0.001904	± 2.5	PASS
		VN	-10	0.29	0.000154	± 2.5	PASS

		VN	0	-0.12	-0.000064	± 2.5	PASS
		VN	10	0.82	0.000436	± 2.5	PASS
		VN	20	-1.37	-0.000729	± 2.5	PASS
		VN	30	-0.2	-0.000106	± 2.5	PASS
		VN	40	1.65	0.000878	± 2.5	PASS
		VN	50	2.29	0.001218	± 2.5	PASS
	HCH	VN	-30	2.42	0.001269	± 2.5	PASS
		VN	-20	4.54	0.002380	± 2.5	PASS
		VN	-10	-0.98	-0.000514	± 2.5	PASS
		VN	0	3.91	0.002050	± 2.5	PASS
		VN	10	3.4	0.001782	± 2.5	PASS
		VN	20	-0.03	-0.000016	± 2.5	PASS
		VN	30	4.78	0.002506	± 2.5	PASS
		VN	40	-0.39	-0.000204	± 2.5	PASS
		VN	50	4.55	0.002385	± 2.5	PASS
16QAM	LCH	VN	-30	0.45	0.000243	± 2.5	PASS
		VN	-20	3.95	0.002132	± 2.5	PASS
		VN	-10	4.96	0.002677	± 2.5	PASS
		VN	0	1.29	0.000696	± 2.5	PASS
		VN	10	-1.08	-0.000583	± 2.5	PASS
		VN	20	2.68	0.001447	± 2.5	PASS
		VN	30	-0.83	-0.000448	± 2.5	PASS
		VN	40	-0.7	-0.000378	± 2.5	PASS
		VN	50	3.01	0.001625	± 2.5	PASS
	MCH	VN	-30	-0.47	-0.000250	± 2.5	PASS
		VN	-20	3.43	0.001824	± 2.5	PASS
		VN	-10	0.89	0.000473	± 2.5	PASS
		VN	0	3.09	0.001644	± 2.5	PASS
		VN	10	4.35	0.002314	± 2.5	PASS
		VN	20	-0.01	-0.000005	± 2.5	PASS
		VN	30	3.28	0.001745	± 2.5	PASS
		VN	40	4.11	0.002186	± 2.5	PASS
		VN	50	0.75	0.000399	± 2.5	PASS
	HCH	VN	-30	3.13	0.001641	± 2.5	PASS
		VN	-20	0.89	0.000467	± 2.5	PASS
		VN	-10	4.31	0.002260	± 2.5	PASS
		VN	0	4.76	0.002495	± 2.5	PASS
		VN	10	4.28	0.002244	± 2.5	PASS
		VN	20	3.74	0.001961	± 2.5	PASS
		VN	30	-0.9	-0.000472	± 2.5	PASS
		VN	40	-0.27	-0.000142	± 2.5	PASS

		VN	50	4.37	0.002291	± 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	1.84	0.000992	± 2.5	PASS
		VN	TN	0.57	0.000307	± 2.5	PASS
		VH	TN	0.14	0.000075	± 2.5	PASS
	MCH	VL	TN	3.73	0.001984	± 2.5	PASS
		VN	TN	1.13	0.000601	± 2.5	PASS
		VH	TN	-0.06	-0.000032	± 2.5	PASS
	HCH	VL	TN	3.86	0.002026	± 2.5	PASS
		VN	TN	2.67	0.001402	± 2.5	PASS
		VH	TN	1.77	0.000929	± 2.5	PASS
16QAM	LCH	VL	TN	3.9	0.002102	± 2.5	PASS
		VN	TN	0.93	0.000501	± 2.5	PASS
		VH	TN	0.93	0.000501	± 2.5	PASS
	MCH	VL	TN	3.99	0.002122	± 2.5	PASS
		VN	TN	3.44	0.001830	± 2.5	PASS
		VH	TN	4.85	0.002580	± 2.5	PASS
	HCH	VL	TN	1.38	0.000724	± 2.5	PASS
		VN	TN	0.66	0.000346	± 2.5	PASS
		VH	TN	1.98	0.001039	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-1.8	-0.000970	± 2.5	PASS
		VN	-20	4.02	0.002167	± 2.5	PASS
		VN	-10	-0.06	-0.000032	± 2.5	PASS
		VN	0	-0.85	-0.000458	± 2.5	PASS
		VN	10	2	0.001078	± 2.5	PASS
		VN	20	-0.35	-0.000189	± 2.5	PASS
		VN	30	3.73	0.002011	± 2.5	PASS
		VN	40	1.65	0.000889	± 2.5	PASS
		VN	50	3.99	0.002151	± 2.5	PASS
	MCH	VN	-30	3.53	0.001878	± 2.5	PASS
		VN	-20	0.7	0.000372	± 2.5	PASS
		VN	-10	3.23	0.001718	± 2.5	PASS
		VN	0	2.15	0.001144	± 2.5	PASS

		VN	10	0.93	0.000495	± 2.5	PASS
		VN	20	-1.9	-0.001011	± 2.5	PASS
		VN	30	2.58	0.001372	± 2.5	PASS
		VN	40	-0.43	-0.000229	± 2.5	PASS
		VN	50	2.67	0.001420	± 2.5	PASS
	HCH	VN	-30	-0.44	-0.000231	± 2.5	PASS
		VN	-20	-1.22	-0.000640	± 2.5	PASS
		VN	-10	4.3	0.002257	± 2.5	PASS
		VN	0	4.29	0.002252	± 2.5	PASS
		VN	10	-1.72	-0.000903	± 2.5	PASS
		VN	20	0.72	0.000378	± 2.5	PASS
		VN	30	1.44	0.000756	± 2.5	PASS
		VN	40	-1.05	-0.000551	± 2.5	PASS
		VN	50	-0.44	-0.000231	± 2.5	PASS
		VN	-30	-0.47	-0.000253	± 2.5	PASS
QPSK	LCH	VN	-20	-0.12	-0.000065	± 2.5	PASS
		VN	-10	0.14	0.000075	± 2.5	PASS
		VN	0	3.1	0.001671	± 2.5	PASS
		VN	10	0.03	0.000016	± 2.5	PASS
		VN	20	3.56	0.001919	± 2.5	PASS
		VN	30	-1.09	-0.000588	± 2.5	PASS
		VN	40	0.27	0.000146	± 2.5	PASS
		VN	50	3.81	0.002054	± 2.5	PASS
	MCH	VN	-30	4.51	0.002399	± 2.5	PASS
		VN	-20	3.91	0.002080	± 2.5	PASS
		VN	-10	1.44	0.000766	± 2.5	PASS
		VN	0	1.72	0.000915	± 2.5	PASS
		VN	10	-0.91	-0.000484	± 2.5	PASS
		VN	20	0.28	0.000149	± 2.5	PASS
		VN	30	-0.72	-0.000383	± 2.5	PASS
		VN	40	4.99	0.002654	± 2.5	PASS
		VN	50	3.93	0.002090	± 2.5	PASS
	HCH	VN	-30	3.32	0.001743	± 2.5	PASS
		VN	-20	0.7	0.000367	± 2.5	PASS
		VN	-10	-0.62	-0.000325	± 2.5	PASS
		VN	0	-1.09	-0.000572	± 2.5	PASS
		VN	10	0.44	0.000231	± 2.5	PASS
		VN	20	-0.23	-0.000121	± 2.5	PASS
		VN	30	0.49	0.000257	± 2.5	PASS
		VN	40	4.07	0.002136	± 2.5	PASS
		VN	50	3.81	0.002000	± 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	4.25	0.002288	± 2.5	PASS
		VN	TN	1.08	0.000581	± 2.5	PASS
		VH	TN	2.48	0.001335	± 2.5	PASS
	MCH	VL	TN	2.69	0.001431	± 2.5	PASS
		VN	TN	-1.25	-0.000665	± 2.5	PASS
		VH	TN	1.24	0.000660	± 2.5	PASS
	HCH	VL	TN	-0.06	-0.000032	± 2.5	PASS
		VN	TN	0.47	0.000247	± 2.5	PASS
		VH	TN	-1.03	-0.000541	± 2.5	PASS
16QAM	LCH	VL	TN	-1.66	-0.000894	± 2.5	PASS
		VN	TN	0.94	0.000506	± 2.5	PASS
		VH	TN	3.11	0.001674	± 2.5	PASS
	MCH	VL	TN	-0.55	-0.000293	± 2.5	PASS
		VN	TN	0.81	0.000431	± 2.5	PASS
		VH	TN	3.78	0.002011	± 2.5	PASS
	HCH	VL	TN	-1.17	-0.000615	± 2.5	PASS
		VN	TN	-1.65	-0.000867	± 2.5	PASS
		VH	TN	-0.57	-0.000300	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.36	0.001271	± 2.5	PASS
		VN	-20	-1.98	-0.001066	± 2.5	PASS
		VN	-10	0.47	0.000253	± 2.5	PASS
		VN	0	2.87	0.001545	± 2.5	PASS
		VN	10	-0.07	-0.000038	± 2.5	PASS
		VN	20	2.05	0.001104	± 2.5	PASS
		VN	30	1.34	0.000721	± 2.5	PASS
		VN	40	-0.12	-0.000065	± 2.5	PASS
		VN	50	1.08	0.000581	± 2.5	PASS
	MCH	VN	-30	3	0.001596	± 2.5	PASS
		VN	-20	3.26	0.001734	± 2.5	PASS
		VN	-10	2.38	0.001266	± 2.5	PASS
		VN	0	-0.45	-0.000239	± 2.5	PASS
		VN	10	-1.58	-0.000840	± 2.5	PASS

		VN	20	1.25	0.000665	± 2.5	PASS
		VN	30	4.93	0.002622	± 2.5	PASS
		VN	40	1.34	0.000713	± 2.5	PASS
		VN	50	1.28	0.000681	± 2.5	PASS
	HCH	VN	-30	-1.31	-0.000689	± 2.5	PASS
		VN	-20	3.52	0.001850	± 2.5	PASS
		VN	-10	0.13	0.000068	± 2.5	PASS
		VN	0	-0.85	-0.000447	± 2.5	PASS
		VN	10	2.42	0.001272	± 2.5	PASS
		VN	20	-1.7	-0.000894	± 2.5	PASS
		VN	30	0.35	0.000184	± 2.5	PASS
		VN	40	1.87	0.000983	± 2.5	PASS
		VN	50	2.46	0.001293	± 2.5	PASS
		VN	-30	4.39	0.002363	± 2.5	PASS
		VN	-20	-0.59	-0.000318	± 2.5	PASS
		VN	-10	-1.22	-0.000657	± 2.5	PASS
QPSK	LCH	VN	0	3.86	0.002078	± 2.5	PASS
		VN	10	-0.29	-0.000156	± 2.5	PASS
		VN	20	-1.23	-0.000662	± 2.5	PASS
		VN	30	4.81	0.002590	± 2.5	PASS
		VN	40	3.05	0.001642	± 2.5	PASS
		VN	50	4.47	0.002406	± 2.5	PASS
	MCH	VN	-30	-0.54	-0.000287	± 2.5	PASS
		VN	-20	-0.08	-0.000043	± 2.5	PASS
		VN	-10	2.21	0.001176	± 2.5	PASS
		VN	0	0.29	0.000154	± 2.5	PASS
		VN	10	1.98	0.001053	± 2.5	PASS
		VN	20	2.62	0.001394	± 2.5	PASS
		VN	30	2.25	0.001197	± 2.5	PASS
		VN	40	-1.17	-0.000622	± 2.5	PASS
		VN	50	-0.56	-0.000298	± 2.5	PASS
	HCH	VN	-30	1.07	0.000562	± 2.5	PASS
		VN	-20	1.27	0.000668	± 2.5	PASS
		VN	-10	0.39	0.000205	± 2.5	PASS
		VN	0	1.24	0.000652	± 2.5	PASS
		VN	10	2.76	0.001451	± 2.5	PASS
		VN	20	2.91	0.001530	± 2.5	PASS
		VN	30	-1.68	-0.000883	± 2.5	PASS
		VN	40	4.02	0.002113	± 2.5	PASS
		VN	50	0.41	0.000216	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.14	0.000075	± 2.5	PASS
		VN	TN	3.97	0.002134	± 2.5	PASS
		VH	TN	4.45	0.002392	± 2.5	PASS
	MCH	VL	TN	2.43	0.001293	± 2.5	PASS
		VN	TN	-1.05	-0.000559	± 2.5	PASS
		VH	TN	-1.91	-0.001016	± 2.5	PASS
	HCH	VL	TN	-1.43	-0.000753	± 2.5	PASS
		VN	TN	3.01	0.001584	± 2.5	PASS
		VH	TN	-1.2	-0.000632	± 2.5	PASS
16QAM	LCH	VL	TN	4.3	0.002312	± 2.5	PASS
		VN	TN	0.68	0.000366	± 2.5	PASS
		VH	TN	4.79	0.002575	± 2.5	PASS
	MCH	VL	TN	-1.28	-0.000681	± 2.5	PASS
		VN	TN	-1.63	-0.000867	± 2.5	PASS
		VH	TN	4.01	0.002133	± 2.5	PASS
	HCH	VL	TN	1.33	0.000700	± 2.5	PASS
		VN	TN	4.51	0.002374	± 2.5	PASS
		VH	TN	0.94	0.000495	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.86	-0.001000	± 2.5	PASS
		VN	-20	3.58	0.001925	± 2.5	PASS
		VN	-10	-1.78	-0.000957	± 2.5	PASS
		VN	0	0.13	0.000070	± 2.5	PASS
		VN	10	1.52	0.000817	± 2.5	PASS
		VN	20	-1.3	-0.000699	± 2.5	PASS
		VN	30	4.96	0.002667	± 2.5	PASS
		VN	40	-0.78	-0.000419	± 2.5	PASS
		VN	50	-0.39	-0.000210	± 2.5	PASS
	MCH	VN	-30	-0.65	-0.000346	± 2.5	PASS
		VN	-20	1.6	0.000851	± 2.5	PASS
		VN	-10	-0.25	-0.000133	± 2.5	PASS
		VN	0	0	0.000000	± 2.5	PASS
		VN	10	2.09	0.001112	± 2.5	PASS
		VN	20	4.12	0.002191	± 2.5	PASS

		VN	30	-0.12	-0.000064	± 2.5	PASS
		VN	40	3.31	0.001761	± 2.5	PASS
		VN	50	2.81	0.001495	± 2.5	PASS
	HCH	VN	-30	4.08	0.002147	± 2.5	PASS
		VN	-20	0.63	0.000332	± 2.5	PASS
		VN	-10	4.72	0.002484	± 2.5	PASS
		VN	0	2.11	0.001111	± 2.5	PASS
		VN	10	4.57	0.002405	± 2.5	PASS
		VN	20	1.23	0.000647	± 2.5	PASS
		VN	30	-0.01	-0.000005	± 2.5	PASS
		VN	40	-0.46	-0.000242	± 2.5	PASS
		VN	50	1.96	0.001032	± 2.5	PASS
QPSK	LCH	VN	-30	2.49	0.001339	± 2.5	PASS
		VN	-20	0.1	0.000054	± 2.5	PASS
		VN	-10	0.85	0.000457	± 2.5	PASS
		VN	0	4.53	0.002435	± 2.5	PASS
		VN	10	2.42	0.001301	± 2.5	PASS
		VN	20	-0.27	-0.000145	± 2.5	PASS
		VN	30	-1.2	-0.000645	± 2.5	PASS
		VN	40	4.82	0.002591	± 2.5	PASS
		VN	50	2.48	0.001333	± 2.5	PASS
	MCH	VN	-30	0.13	0.000069	± 2.5	PASS
		VN	-20	-0.86	-0.000457	± 2.5	PASS
		VN	-10	2.16	0.001149	± 2.5	PASS
		VN	0	2.25	0.001197	± 2.5	PASS
		VN	10	4.62	0.002457	± 2.5	PASS
		VN	20	2.57	0.001367	± 2.5	PASS
		VN	30	1	0.000532	± 2.5	PASS
		VN	40	0.67	0.000356	± 2.5	PASS
		VN	50	0.42	0.000223	± 2.5	PASS
	HCH	VN	-30	0.71	0.000374	± 2.5	PASS
		VN	-20	3.31	0.001742	± 2.5	PASS
		VN	-10	-1.97	-0.001037	± 2.5	PASS
		VN	0	3.58	0.001884	± 2.5	PASS
		VN	10	4.54	0.002389	± 2.5	PASS
		VN	20	1.43	0.000753	± 2.5	PASS
		VN	30	2.35	0.001237	± 2.5	PASS
		VN	40	1.84	0.000968	± 2.5	PASS
		VN	50	4.08	0.002147	± 2.5	PASS