

		VN	-10	-1.93	-0.002307	± 2.5	PASS		
		VN	0	3.43	0.004100	± 2.5	PASS		
		VN	10	1.16	0.001387	± 2.5	PASS		
		VN	20	3.73	0.004459	± 2.5	PASS		
		VN	30	2.13	0.002546	± 2.5	PASS		
		VN	40	4.27	0.005105	± 2.5	PASS		
		VN	50	-0.06	-0.000072	± 2.5	PASS		
	HCH	VN	-30	2.51	0.002962	± 2.5	PASS		
		VN	-20	4.15	0.004897	± 2.5	PASS		
		VN	-10	1.94	0.002289	± 2.5	PASS		
		VN	0	-1.98	-0.002336	± 2.5	PASS		
		VN	10	1.77	0.002088	± 2.5	PASS		
		VN	20	1.71	0.002018	± 2.5	PASS		
		VN	30	1.52	0.001794	± 2.5	PASS		
		VN	40	4.9	0.005782	± 2.5	PASS		
		VN	50	-1.73	-0.002041	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.75	-0.002120	± 2.5	PASS
				VN	-20	-0.11	-0.000133	± 2.5	PASS
VN	-10			-0.69	-0.000836	± 2.5	PASS		
VN	0			0.04	0.000048	± 2.5	PASS		
VN	10			0.43	0.000521	± 2.5	PASS		
VN	20			4.16	0.005039	± 2.5	PASS		
VN	30			-1.93	-0.002338	± 2.5	PASS		
VN	40			4.73	0.005730	± 2.5	PASS		
VN	50			0.81	0.000981	± 2.5	PASS		
MCH	VN		-30	-1.9	-0.002271	± 2.5	PASS		
	VN		-20	-1.62	-0.001937	± 2.5	PASS		
	VN		-10	-1.58	-0.001889	± 2.5	PASS		
	VN		0	3.35	0.004005	± 2.5	PASS		
	VN		10	1.66	0.001984	± 2.5	PASS		
	VN		20	3.31	0.003957	± 2.5	PASS		
	VN		30	4.45	0.005320	± 2.5	PASS		
	VN		40	-0.85	-0.001016	± 2.5	PASS		
	VN		50	2.09	0.002499	± 2.5	PASS		
HCH	VN		-30	4.3	0.005074	± 2.5	PASS		
	VN		-20	-1.41	-0.001664	± 2.5	PASS		
	VN		-10	3.85	0.004543	± 2.5	PASS		
	VN		0	-1.71	-0.002018	± 2.5	PASS		
	VN		10	-0.59	-0.000696	± 2.5	PASS		
	VN		20	4.11	0.004850	± 2.5	PASS		
	VN		30	1.56	0.001841	± 2.5	PASS		

		VN	40	4.69	0.005534	± 2.5	PASS
		VN	50	4.96	0.005853	± 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	-0.47	-0.000569	± 2.5	PASS
		VH	TN	0.39	0.000472	± 2.5	PASS
	MCH	VL	TN	2.79	0.003335	± 2.5	PASS
		VN	TN	0.47	0.000562	± 2.5	PASS
		VH	TN	0.97	0.001160	± 2.5	PASS
	HCH	VL	TN	4.08	0.004820	± 2.5	PASS
		VN	TN	2.82	0.003331	± 2.5	PASS
		VH	TN	-0.35	-0.000413	± 2.5	PASS
16QAM	LCH	VL	TN	4.62	0.005590	± 2.5	PASS
		VN	TN	2.66	0.003218	± 2.5	PASS
		VH	TN	4.65	0.005626	± 2.5	PASS
	MCH	VL	TN	4.22	0.005045	± 2.5	PASS
		VN	TN	0.02	0.000024	± 2.5	PASS
		VH	TN	2.95	0.003527	± 2.5	PASS
	HCH	VL	TN	-0.2	-0.000236	± 2.5	PASS
		VN	TN	3.53	0.004170	± 2.5	PASS
		VH	TN	0.35	0.000413	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.65	-0.000786	± 2.5	PASS
		VN	-20	1.98	0.002396	± 2.5	PASS
		VN	-10	-1.51	-0.001827	± 2.5	PASS
		VN	0	2.11	0.002553	± 2.5	PASS
		VN	10	-0.97	-0.001174	± 2.5	PASS
		VN	20	2.17	0.002626	± 2.5	PASS
		VN	30	4.28	0.005178	± 2.5	PASS
		VN	40	1.02	0.001234	± 2.5	PASS
		VN	50	4.33	0.005239	± 2.5	PASS
	MCH	VN	-30	0.56	0.000669	± 2.5	PASS
		VN	-20	3.57	0.004268	± 2.5	PASS
		VN	-10	-1.1	-0.001315	± 2.5	PASS

		VN	0	0.18	0.000215	± 2.5	PASS		
		VN	10	0.73	0.000873	± 2.5	PASS		
		VN	20	0.02	0.000024	± 2.5	PASS		
		VN	30	0.52	0.000622	± 2.5	PASS		
		VN	40	1.49	0.001781	± 2.5	PASS		
		VN	50	2.88	0.003443	± 2.5	PASS		
	HCH	VN	-30	3.79	0.004477	± 2.5	PASS		
		VN	-20	3.17	0.003745	± 2.5	PASS		
		VN	-10	4.8	0.005670	± 2.5	PASS		
		VN	0	1.41	0.001666	± 2.5	PASS		
		VN	10	1	0.001181	± 2.5	PASS		
		VN	20	4.75	0.005611	± 2.5	PASS		
		VN	30	-1.83	-0.002162	± 2.5	PASS		
		VN	40	2.21	0.002611	± 2.5	PASS		
		VN	50	4.12	0.004867	± 2.5	PASS		
		16QAM	LCH	VN	-30	2.54	0.003073	± 2.5	PASS
				VN	-20	1.13	0.001367	± 2.5	PASS
				VN	-10	-0.56	-0.000678	± 2.5	PASS
VN	0			-0.5	-0.000605	± 2.5	PASS		
VN	10			2.59	0.003134	± 2.5	PASS		
VN	20			0	0.000000	± 2.5	PASS		
VN	30			-1.96	-0.002371	± 2.5	PASS		
VN	40			-1.04	-0.001258	± 2.5	PASS		
VN	50			0.16	0.000194	± 2.5	PASS		
MCH	VN		-30	1.97	0.002355	± 2.5	PASS		
	VN		-20	-0.75	-0.000897	± 2.5	PASS		
	VN		-10	-0.43	-0.000514	± 2.5	PASS		
	VN		0	1.49	0.001781	± 2.5	PASS		
	VN		10	0.9	0.001076	± 2.5	PASS		
	VN		20	3.24	0.003873	± 2.5	PASS		
	VN		30	2.72	0.003252	± 2.5	PASS		
	VN		40	-1.48	-0.001769	± 2.5	PASS		
	VN		50	-0.31	-0.000371	± 2.5	PASS		
HCH	VN	-30	-0.65	-0.000768	± 2.5	PASS			
	VN	-20	3.81	0.004501	± 2.5	PASS			
	VN	-10	2.18	0.002575	± 2.5	PASS			
	VN	0	0.7	0.000827	± 2.5	PASS			
	VN	10	4.62	0.005458	± 2.5	PASS			
	VN	20	3.73	0.004406	± 2.5	PASS			
	VN	30	3.09	0.003650	± 2.5	PASS			
	VN	40	3.59	0.004241	± 2.5	PASS			

		VN	50	0.19	0.000224	± 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	-0.002413	± 2.5	PASS
		VH	TN	-0.55	-0.000663	± 2.5	PASS
	MCH	VL	TN	3.98	0.004758	± 2.5	PASS
		VN	TN	4.5	0.005380	± 2.5	PASS
		VH	TN	-1.7	-0.002032	± 2.5	PASS
	HCH	VL	TN	-0.78	-0.000924	± 2.5	PASS
		VN	TN	3.42	0.004052	± 2.5	PASS
		VH	TN	1.49	0.001765	± 2.5	PASS
16QAM	LCH	VL	TN	3.87	0.004668	± 2.5	PASS
		VN	TN	-0.6	-0.000724	± 2.5	PASS
		VH	TN	-1.53	-0.001846	± 2.5	PASS
	MCH	VL	TN	2.11	0.002522	± 2.5	PASS
		VN	TN	-0.33	-0.000395	± 2.5	PASS
		VH	TN	2.21	0.002642	± 2.5	PASS
	HCH	VL	TN	-1.53	-0.001813	± 2.5	PASS
		VN	TN	-1.75	-0.002073	± 2.5	PASS
		VH	TN	-0.9	-0.001066	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.67	0.000808	± 2.5	PASS
		VN	-20	4.32	0.005211	± 2.5	PASS
		VN	-10	1.39	0.001677	± 2.5	PASS
		VN	0	3.89	0.004692	± 2.5	PASS
		VN	10	2.81	0.003390	± 2.5	PASS
		VN	20	0.28	0.000338	± 2.5	PASS
		VN	30	0.66	0.000796	± 2.5	PASS
		VN	40	3.9	0.004704	± 2.5	PASS
		VN	50	1.54	0.001858	± 2.5	PASS
	MCH	VN	-30	0.05	0.000060	± 2.5	PASS
		VN	-20	-1.75	-0.002092	± 2.5	PASS
		VN	-10	1.69	0.002020	± 2.5	PASS
		VN	0	-0.37	-0.000442	± 2.5	PASS
		VN	10	2.33	0.002785	± 2.5	PASS

		VN	20	3.58	0.004280	± 2.5	PASS
		VN	30	-1.57	-0.001877	± 2.5	PASS
		VN	40	-0.1	-0.000120	± 2.5	PASS
		VN	50	2.66	0.003180	± 2.5	PASS
	HCH	VN	-30	2.81	0.003329	± 2.5	PASS
		VN	-20	-1.45	-0.001718	± 2.5	PASS
		VN	-10	3.72	0.004408	± 2.5	PASS
		VN	0	-0.39	-0.000462	± 2.5	PASS
		VN	10	3.46	0.004100	± 2.5	PASS
		VN	20	1.6	0.001896	± 2.5	PASS
		VN	30	-1.23	-0.001457	± 2.5	PASS
		VN	40	1.64	0.001943	± 2.5	PASS
		VN	50	4.17	0.004941	± 2.5	PASS
16QAM	LCH	VN	-30	3.55	0.004282	± 2.5	PASS
		VN	-20	-1.79	-0.002159	± 2.5	PASS
		VN	-10	2.97	0.003583	± 2.5	PASS
		VN	0	0.71	0.000856	± 2.5	PASS
		VN	10	3.59	0.004331	± 2.5	PASS
		VN	20	-1.3	-0.001568	± 2.5	PASS
		VN	30	2.46	0.002967	± 2.5	PASS
		VN	40	0.02	0.000024	± 2.5	PASS
		VN	50	0.02	0.000024	± 2.5	PASS
	MCH	VN	-30	4.56	0.005451	± 2.5	PASS
		VN	-20	2.99	0.003574	± 2.5	PASS
		VN	-10	0.88	0.001052	± 2.5	PASS
		VN	0	4	0.004782	± 2.5	PASS
		VN	10	1.03	0.001231	± 2.5	PASS
		VN	20	-1.87	-0.002236	± 2.5	PASS
		VN	30	-1.75	-0.002092	± 2.5	PASS
		VN	40	1.7	0.002032	± 2.5	PASS
		VN	50	4.29	0.005129	± 2.5	PASS
	HCH	VN	-30	4.96	0.005877	± 2.5	PASS
		VN	-20	3.3	0.003910	± 2.5	PASS
		VN	-10	0.25	0.000296	± 2.5	PASS
		VN	0	0.95	0.001126	± 2.5	PASS
		VN	10	-1.55	-0.001836	± 2.5	PASS
		VN	20	1.35	0.001600	± 2.5	PASS
		VN	30	-0.44	-0.000521	± 2.5	PASS
		VN	40	-0.84	-0.000995	± 2.5	PASS
		VN	50	1.72	0.002038	± 2.5	PASS