

		VN	30	1.89	0.002228	± 2.5	PASS
		VN	40	2.87	0.003383	± 2.5	PASS
		VN	50	0.75	0.000884	± 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	-1.25	-0.001514	± 2.5	PASS
		VH	TN	3.19	0.003864	± 2.5	PASS
	MCH	VL	TN	3.01	0.003598	± 2.5	PASS
		VN	TN	-0.43	-0.000514	± 2.5	PASS
		VH	TN	-0.29	-0.000347	± 2.5	PASS
	HCH	VL	TN	4.45	0.005251	± 2.5	PASS
		VN	TN	3.14	0.003705	± 2.5	PASS
		VH	TN	3.39	0.004000	± 2.5	PASS
16QAM	LCH	VL	TN	2.64	0.003198	± 2.5	PASS
		VN	TN	3.7	0.004482	± 2.5	PASS
		VH	TN	3.89	0.004712	± 2.5	PASS
	MCH	VL	TN	-0.88	-0.001052	± 2.5	PASS
		VN	TN	2.21	0.002642	± 2.5	PASS
		VH	TN	2.37	0.002833	± 2.5	PASS
	HCH	VL	TN	0.36	0.000425	± 2.5	PASS
		VN	TN	2.82	0.003327	± 2.5	PASS
		VH	TN	2.58	0.003044	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.18	0.001429	± 2.5	PASS
		VN	-20	-1.88	-0.002277	± 2.5	PASS
		VN	-10	-1.06	-0.001284	± 2.5	PASS
		VN	0	-1.33	-0.001611	± 2.5	PASS
		VN	10	2.86	0.003465	± 2.5	PASS
		VN	20	3.48	0.004216	± 2.5	PASS
		VN	30	2.92	0.003537	± 2.5	PASS
		VN	40	-0.09	-0.000109	± 2.5	PASS
		VN	50	2.77	0.003356	± 2.5	PASS
	MCH	VN	-30	0.67	0.000801	± 2.5	PASS
		VN	-20	0.97	0.001160	± 2.5	PASS

		VN	-10	0.04	0.000048	± 2.5	PASS
		VN	0	-1.44	-0.001721	± 2.5	PASS
		VN	10	4.77	0.005702	± 2.5	PASS
		VN	20	2.78	0.003323	± 2.5	PASS
		VN	30	0.38	0.000454	± 2.5	PASS
		VN	40	0.59	0.000705	± 2.5	PASS
		VN	50	4.43	0.005296	± 2.5	PASS
	HCH	VN	-30	-1.87	-0.002206	± 2.5	PASS
		VN	-20	-1.35	-0.001593	± 2.5	PASS
		VN	-10	-0.72	-0.000850	± 2.5	PASS
		VN	0	0.88	0.001038	± 2.5	PASS
		VN	10	2.86	0.003375	± 2.5	PASS
		VN	20	-1.21	-0.001428	± 2.5	PASS
		VN	30	0.69	0.000814	± 2.5	PASS
		VN	40	-1.37	-0.001617	± 2.5	PASS
		VN	50	2.31	0.002726	± 2.5	PASS
16QAM	LCH	VN	-30	1.76	0.002104	± 2.5	PASS
		VN	-20	1.84	0.002200	± 2.5	PASS
		VN	-10	3.33	0.003981	± 2.5	PASS
		VN	0	-1.15	-0.001375	± 2.5	PASS
		VN	10	3.35	0.004005	± 2.5	PASS
		VN	20	1.37	0.001638	± 2.5	PASS
		VN	30	4.24	0.005069	± 2.5	PASS
		VN	40	-1.65	-0.001973	± 2.5	PASS
		VN	50	-0.73	-0.000873	± 2.5	PASS
	MCH	VN	-30	0.34	0.000401	± 2.5	PASS
		VN	-20	2.25	0.002655	± 2.5	PASS
		VN	-10	4.66	0.005499	± 2.5	PASS
		VN	0	-0.86	-0.001015	± 2.5	PASS
		VN	10	0.77	0.000909	± 2.5	PASS
		VN	20	3.5	0.004130	± 2.5	PASS
		VN	30	1.31	0.001546	± 2.5	PASS
		VN	40	-0.07	-0.000083	± 2.5	PASS
		VN	50	0.27	0.000319	± 2.5	PASS
	HCH	VN	-30	3.11	0.003670	± 2.5	PASS
		VN	-20	-1.44	-0.001699	± 2.5	PASS
		VN	-10	2.38	0.002808	± 2.5	PASS
		VN	0	2.39	0.002820	± 2.5	PASS
		VN	10	1.68	0.001982	± 2.5	PASS
		VN	20	4.83	0.005699	± 2.5	PASS
		VN	30	-1.6	-0.001888	± 2.5	PASS

		VN	40	3.71	0.004378	± 2.5	PASS
		VN	50	2.32	0.002737	± 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	0.81	0.000980	± 2.5	PASS
		VH	TN	1.46	0.001766	± 2.5	PASS
	MCH	VL	TN	4.86	0.005810	± 2.5	PASS
		VN	TN	0.96	0.001148	± 2.5	PASS
		VH	TN	4.59	0.005487	± 2.5	PASS
	HCH	VL	TN	-0.79	-0.000933	± 2.5	PASS
		VN	TN	1.54	0.001819	± 2.5	PASS
		VH	TN	-1.75	-0.002067	± 2.5	PASS
16QAM	LCH	VL	TN	-0.77	-0.000932	± 2.5	PASS
		VN	TN	4.51	0.005457	± 2.5	PASS
		VH	TN	0.44	0.000532	± 2.5	PASS
	MCH	VL	TN	-0.9	-0.001076	± 2.5	PASS
		VN	TN	4.31	0.005152	± 2.5	PASS
		VH	TN	0.13	0.000155	± 2.5	PASS
	HCH	VL	TN	0.79	0.000933	± 2.5	PASS
		VN	TN	2.9	0.003426	± 2.5	PASS
		VH	TN	-0.18	-0.000213	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.55	0.000665	± 2.5	PASS
		VN	-20	-0.66	-0.000799	± 2.5	PASS
		VN	-10	3.88	0.004694	± 2.5	PASS
		VN	0	2.35	0.002843	± 2.5	PASS
		VN	10	-0.09	-0.000109	± 2.5	PASS
		VN	20	-1.42	-0.001718	± 2.5	PASS
		VN	30	2.86	0.003460	± 2.5	PASS
		VN	40	4.31	0.005215	± 2.5	PASS
		VN	50	2.75	0.003327	± 2.5	PASS
	MCH	VN	-30	4.61	0.005511	± 2.5	PASS
		VN	-20	2.45	0.002929	± 2.5	PASS
		VN	-10	0.96	0.001148	± 2.5	PASS

		VN	0	2.66	0.003180	± 2.5	PASS
		VN	10	-0.55	-0.000658	± 2.5	PASS
		VN	20	4.9	0.005858	± 2.5	PASS
		VN	30	1.93	0.002307	± 2.5	PASS
		VN	40	0.55	0.000658	± 2.5	PASS
		VN	50	4.44	0.005308	± 2.5	PASS
	HCH	VN	-30	2.82	0.003331	± 2.5	PASS
		VN	-20	3.46	0.004087	± 2.5	PASS
		VN	-10	1.17	0.001382	± 2.5	PASS
		VN	0	-1.61	-0.001902	± 2.5	PASS
		VN	10	0.22	0.000260	± 2.5	PASS
		VN	20	-0.66	-0.000780	± 2.5	PASS
		VN	30	-1.18	-0.001394	± 2.5	PASS
		VN	40	0.13	0.000154	± 2.5	PASS
		VN	50	0.57	0.000673	± 2.5	PASS
16QAM	LCH	VN	-30	1.38	0.001650	± 2.5	PASS
		VN	-20	3.54	0.004232	± 2.5	PASS
		VN	-10	-0.32	-0.000383	± 2.5	PASS
		VN	0	3.62	0.004328	± 2.5	PASS
		VN	10	-1.5	-0.001793	± 2.5	PASS
		VN	20	-0.54	-0.000646	± 2.5	PASS
		VN	30	2.45	0.002929	± 2.5	PASS
		VN	40	-0.72	-0.000861	± 2.5	PASS
		VN	50	1.02	0.001219	± 2.5	PASS
	MCH	VN	-30	-1.93	-0.002280	± 2.5	PASS
		VN	-20	0.77	0.000910	± 2.5	PASS
		VN	-10	4.13	0.004879	± 2.5	PASS
		VN	0	0.97	0.001146	± 2.5	PASS
		VN	10	-1.76	-0.002079	± 2.5	PASS
		VN	20	4.69	0.005540	± 2.5	PASS
		VN	30	1.46	0.001725	± 2.5	PASS
		VN	40	1.74	0.002056	± 2.5	PASS
		VN	50	4.77	0.005635	± 2.5	PASS
	HCH	VN	-30	0.34	0.000402	± 2.5	PASS
		VN	-20	3.19	0.003768	± 2.5	PASS
		VN	-10	3.7	0.004371	± 2.5	PASS
		VN	0	-0.86	-0.001016	± 2.5	PASS
		VN	10	-1.73	-0.002044	± 2.5	PASS
		VN	20	2.32	0.002741	± 2.5	PASS
		VN	30	1.22	0.001441	± 2.5	PASS
		VN	40	-0.8	-0.000945	± 2.5	PASS

		VN	50	4.2	0.004962	± 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	1.01	0.001218	± 2.5	PASS
		VH	TN	-0.79	-0.000953	± 2.5	PASS
	MCH	VL	TN	0.16	0.000191	± 2.5	PASS
		VN	TN	-1.82	-0.002176	± 2.5	PASS
		VH	TN	2.39	0.002857	± 2.5	PASS
	HCH	VL	TN	4.32	0.005118	± 2.5	PASS
		VN	TN	0.98	0.001161	± 2.5	PASS
		VH	TN	4.13	0.004893	± 2.5	PASS
16QAM	LCH	VL	TN	2.85	0.003438	± 2.5	PASS
		VN	TN	4.44	0.005356	± 2.5	PASS
		VH	TN	-0.9	-0.001086	± 2.5	PASS
	MCH	VL	TN	0.25	0.000299	± 2.5	PASS
		VN	TN	2.35	0.002809	± 2.5	PASS
		VH	TN	4.91	0.005870	± 2.5	PASS
	HCH	VL	TN	3.53	0.004182	± 2.5	PASS
		VN	TN	1.29	0.001528	± 2.5	PASS
		VH	TN	3.6	0.004265	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.37	-0.000446	± 2.5	PASS
		VN	-20	0.65	0.000784	± 2.5	PASS
		VN	-10	2.61	0.003148	± 2.5	PASS
		VN	0	-1.93	-0.002328	± 2.5	PASS
		VN	10	-1.31	-0.001580	± 2.5	PASS
		VN	20	3.69	0.004451	± 2.5	PASS
		VN	30	1.02	0.001230	± 2.5	PASS
		VN	40	1.06	0.001279	± 2.5	PASS
		VN	50	0.66	0.000796	± 2.5	PASS
	MCH	VN	-30	-1.46	-0.001745	± 2.5	PASS
		VN	-20	4.14	0.004949	± 2.5	PASS
		VN	-10	0.87	0.001040	± 2.5	PASS
		VN	0	-0.4	-0.000478	± 2.5	PASS
		VN	10	4.5	0.005380	± 2.5	PASS
		VN	20	0.37	0.000442	± 2.5	PASS

		VN	30	2.84	0.003395	± 2.5	PASS
		VN	40	2.77	0.003311	± 2.5	PASS
		VN	50	2.96	0.003539	± 2.5	PASS
	HCH	VN	-30	-0.02	-0.000024	± 2.5	PASS
		VN	-20	1.33	0.001576	± 2.5	PASS
		VN	-10	4.56	0.005403	± 2.5	PASS
		VN	0	-1.43	-0.001694	± 2.5	PASS
		VN	10	-1.01	-0.001197	± 2.5	PASS
		VN	20	0.56	0.000664	± 2.5	PASS
		VN	30	-0.14	-0.000166	± 2.5	PASS
		VN	40	-1.89	-0.002239	± 2.5	PASS
		VN	50	0.51	0.000604	± 2.5	PASS
16QAM	LCH	VN	-30	4.52	0.005403	± 2.5	PASS
		VN	-20	3.64	0.004351	± 2.5	PASS
		VN	-10	-1.41	-0.001686	± 2.5	PASS
		VN	0	2.74	0.003276	± 2.5	PASS
		VN	10	2.71	0.003240	± 2.5	PASS
		VN	20	-0.96	-0.001148	± 2.5	PASS
		VN	30	1.98	0.002367	± 2.5	PASS
		VN	40	0.35	0.000418	± 2.5	PASS
		VN	50	0.57	0.000681	± 2.5	PASS
	MCH	VN	-30	3.39	0.004017	± 2.5	PASS
		VN	-20	1.96	0.002322	± 2.5	PASS
		VN	-10	4	0.004739	± 2.5	PASS
		VN	0	4.32	0.005118	± 2.5	PASS
		VN	10	-1.13	-0.001339	± 2.5	PASS
		VN	20	-1.98	-0.002346	± 2.5	PASS
		VN	30	0.89	0.001055	± 2.5	PASS
		VN	40	3.6	0.004265	± 2.5	PASS
		VN	50	-0.3	-0.000355	± 2.5	PASS
	HCH	VN	-30	3.23	0.003827	± 2.5	PASS
		VN	-20	-1.89	-0.002239	± 2.5	PASS
		VN	-10	4.16	0.004929	± 2.5	PASS
		VN	0	1.46	0.001730	± 2.5	PASS
		VN	10	0.41	0.000486	± 2.5	PASS
		VN	20	3.19	0.003780	± 2.5	PASS
		VN	30	-1.72	-0.002038	± 2.5	PASS
		VN	40	-0.66	-0.000782	± 2.5	PASS
		VN	50	2.6	0.003081	± 2.5	PASS