



Band2_10MHz_QPSK_18650_1RB#0



Band2_10MHz_QPSK_18650_1RB#0



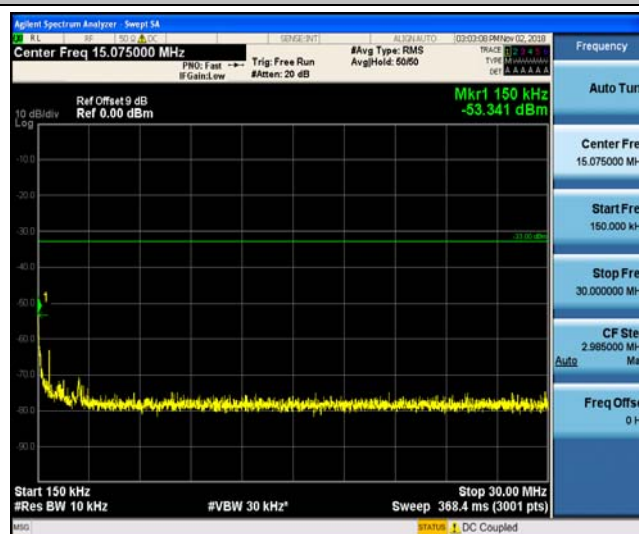
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Band2_10MHz_QPSK_18900_1RB#0



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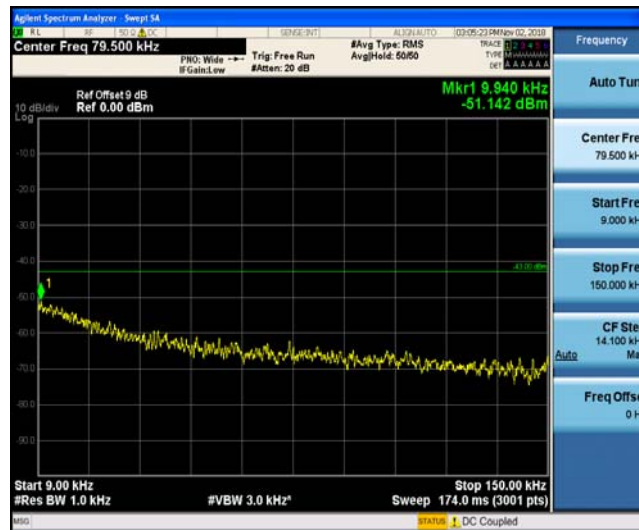
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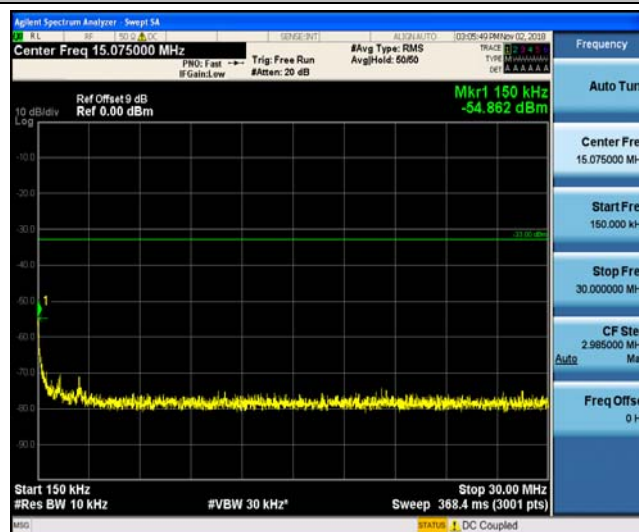
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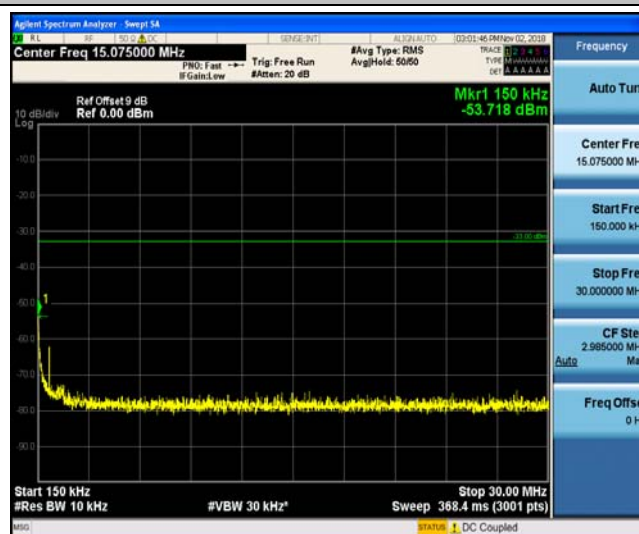
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Band2_10MHz_16QAM_18650_1RB#0



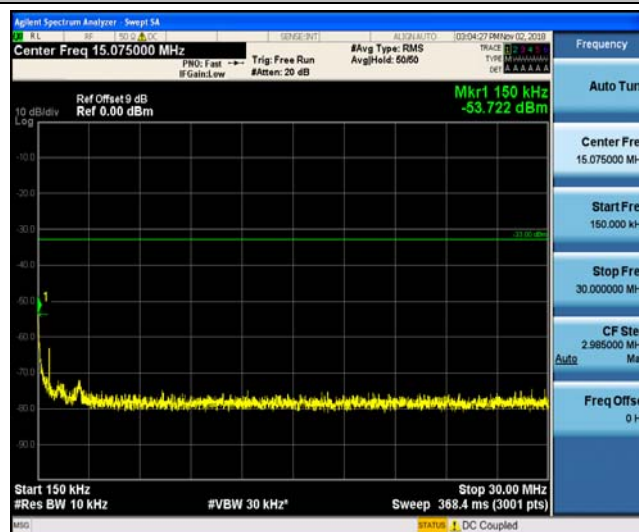
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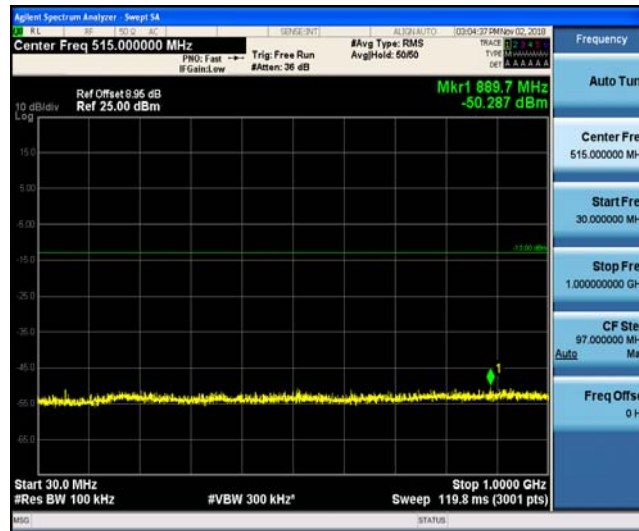
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Band2_10MHz_16QAM_18900_1RB#0



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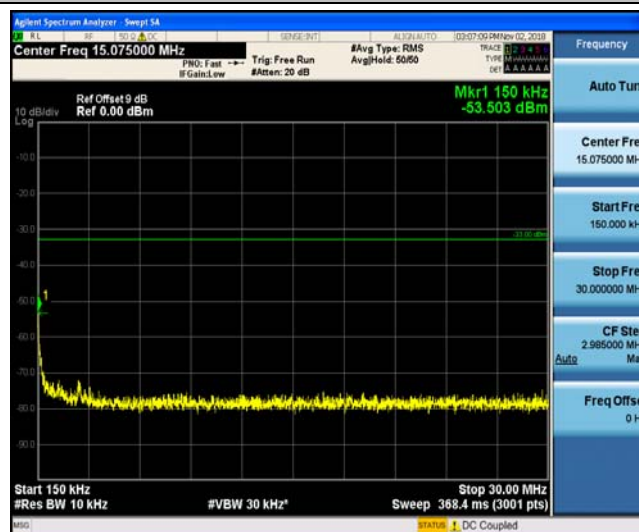
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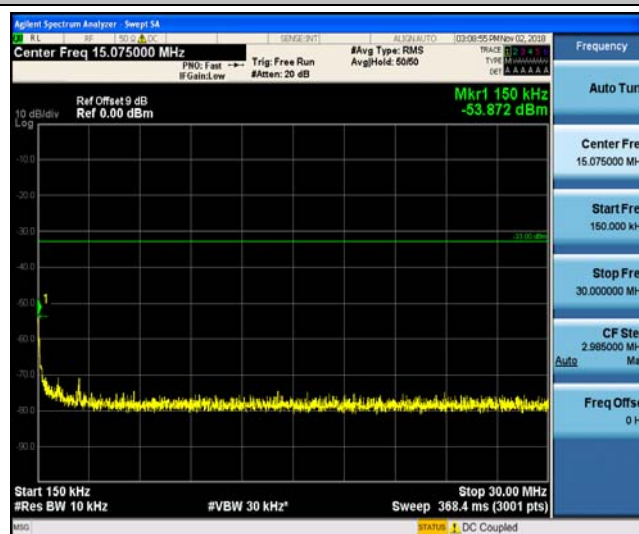
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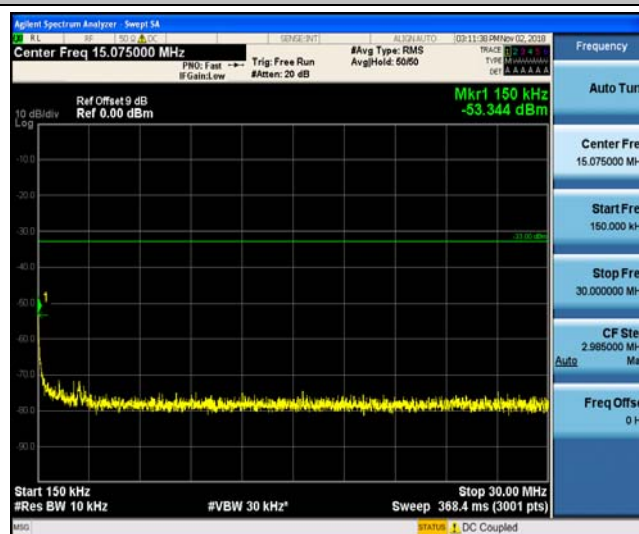
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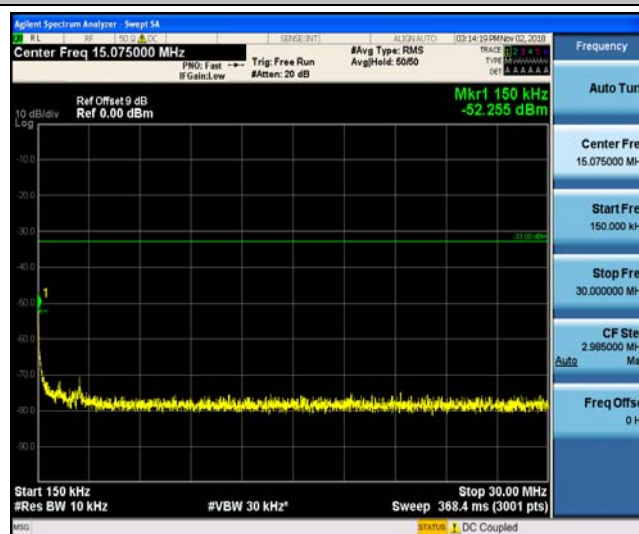
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Band2_15MHz_QPSK_19125_1RB#0



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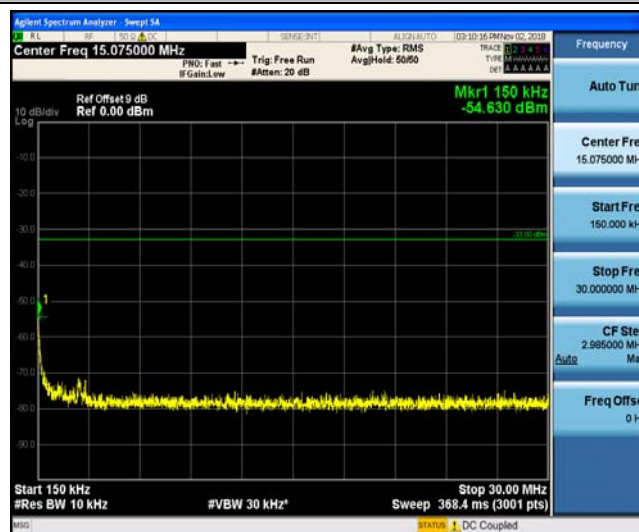
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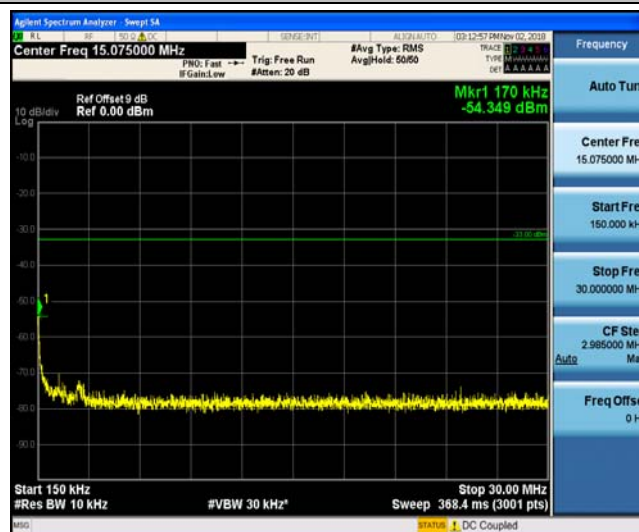
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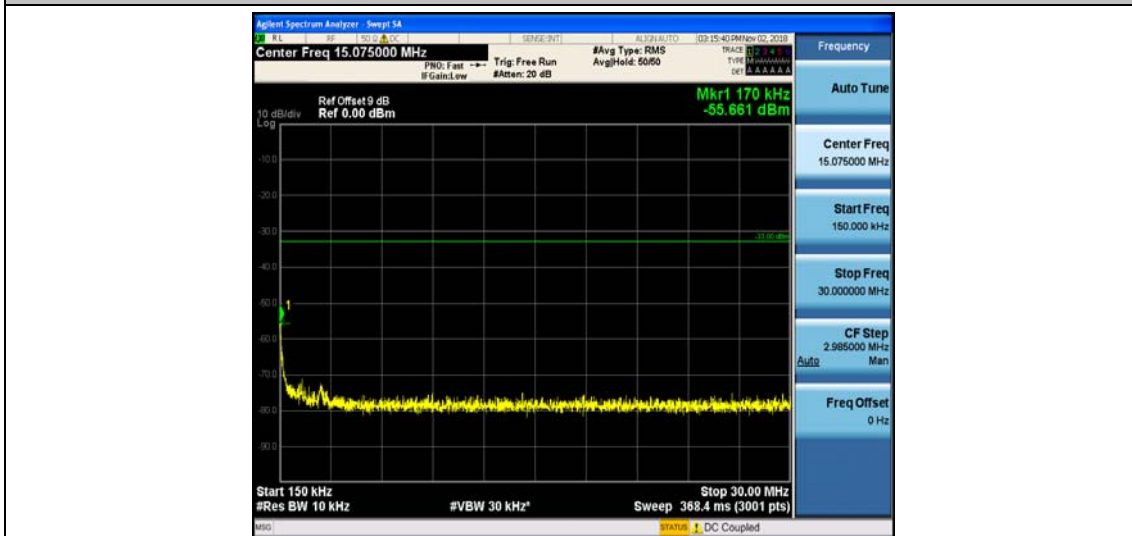
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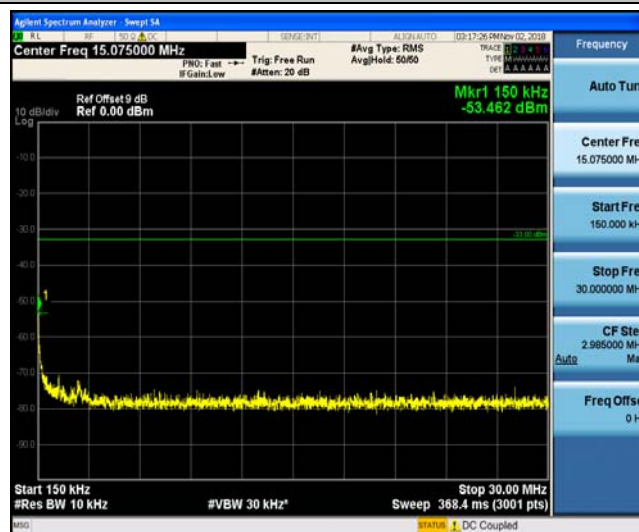
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Band2_20MHz_QPSK_18700_1RB#0



Band2_20MHz_QPSK_18700_1RB#0



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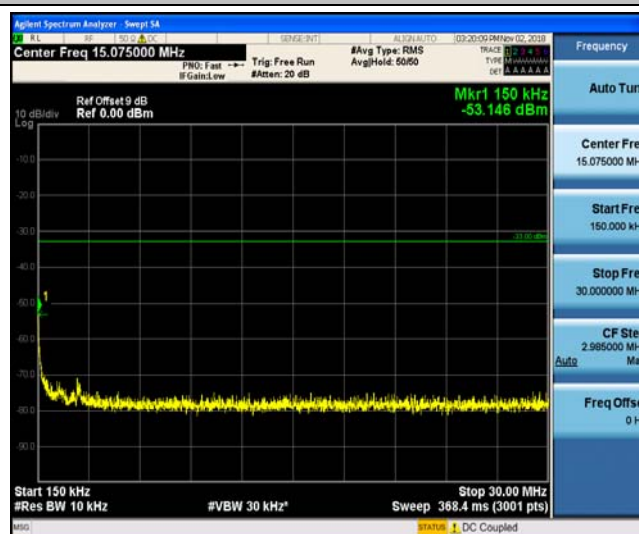
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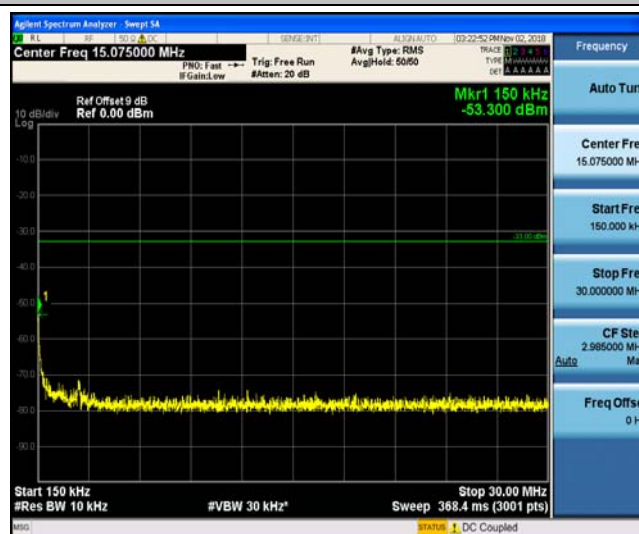
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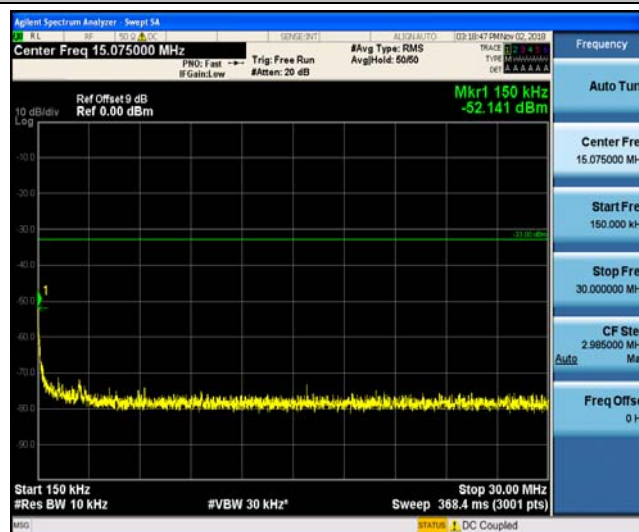
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Band2_20MHz_16QAM_18700_1RB#0



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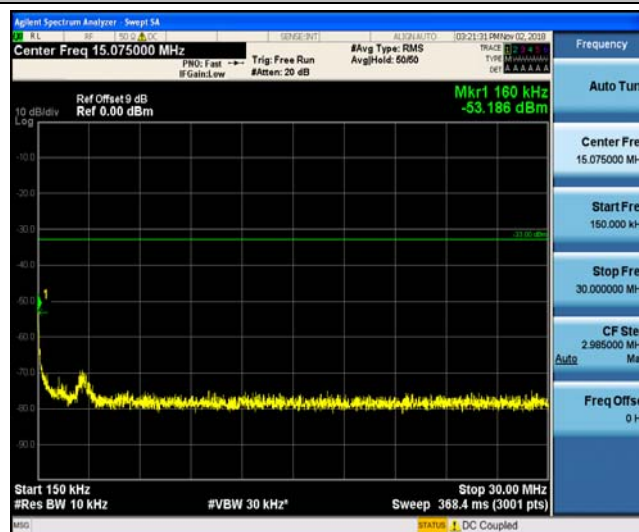
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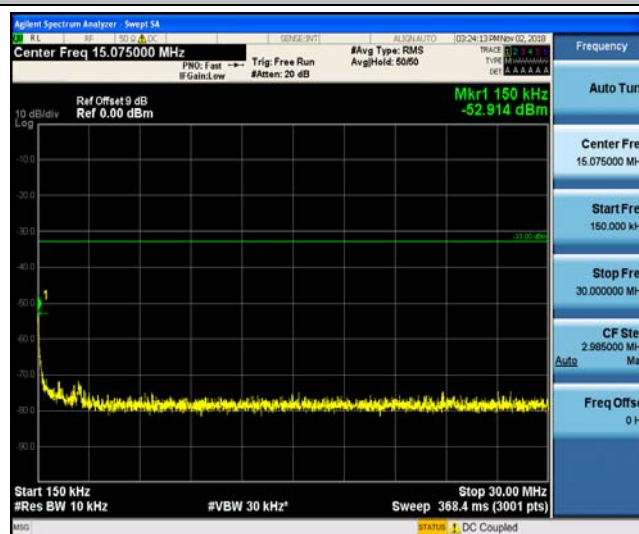
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Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_1RB#0



Band2_20MHz_16QAM_19100_1RB#0



Appendix F: Frequency Stability

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	-1.91	-0.001032	± 2.5	PASS
		VN	TN	0.94	0.000508	± 2.5	PASS
		VH	TN	3.55	0.001918	± 2.5	PASS
	MCH	VL	TN	3.41	0.001814	± 2.5	PASS
		VN	TN	2.57	0.001367	± 2.5	PASS
		VH	TN	4.38	0.002330	± 2.5	PASS
	HCH	VL	TN	2.18	0.001142	± 2.5	PASS
		VN	TN	3.74	0.001959	± 2.5	PASS
		VH	TN	-1.83	-0.000958	± 2.5	PASS
16QAM	LCH	VL	TN	2.67	0.001443	± 2.5	PASS
		VN	TN	4.38	0.002367	± 2.5	PASS
		VH	TN	2.66	0.001437	± 2.5	PASS
	MCH	VL	TN	2.83	0.001505	± 2.5	PASS
		VN	TN	3.21	0.001707	± 2.5	PASS
		VH	TN	-1.87	-0.000995	± 2.5	PASS
	HCH	VL	TN	3.23	0.001692	± 2.5	PASS
		VN	TN	-1.17	-0.000613	± 2.5	PASS
		VH	TN	0.9	0.000471	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.16	-0.000086	± 2.5	PASS
		VN	-20	3.11	0.001680	± 2.5	PASS
		VN	-10	-0.12	-0.000065	± 2.5	PASS
		VN	0	-1.69	-0.000913	± 2.5	PASS
		VN	10	2	0.001081	± 2.5	PASS
		VN	20	4.48	0.002421	± 2.5	PASS
		VN	30	4.09	0.002210	± 2.5	PASS
		VN	40	0.74	0.000400	± 2.5	PASS
		VN	50	0.52	0.000281	± 2.5	PASS
	MCH	VN	-30	1.73	0.000920	± 2.5	PASS

		VN	-20	3.27	0.001739	± 2.5	PASS
		VN	-10	2.47	0.001314	± 2.5	PASS
		VN	0	0.51	0.000271	± 2.5	PASS
		VN	10	1.44	0.000766	± 2.5	PASS
		VN	20	3.88	0.002064	± 2.5	PASS
		VN	30	3.86	0.002053	± 2.5	PASS
		VN	40	0.01	0.000005	± 2.5	PASS
		VN	50	3.9	0.002074	± 2.5	PASS
	HCH	VN	-30	-0.88	-0.000461	± 2.5	PASS
		VN	-20	1.54	0.000807	± 2.5	PASS
		VN	-10	1.8	0.000943	± 2.5	PASS
		VN	0	-0.95	-0.000498	± 2.5	PASS
		VN	10	-0.35	-0.000183	± 2.5	PASS
		VN	20	2.04	0.001068	± 2.5	PASS
		VN	30	-0.77	-0.000403	± 2.5	PASS
		VN	40	1.45	0.000759	± 2.5	PASS
		VN	50	-0.52	-0.000272	± 2.5	PASS
16QAM	LCH	VN	-30	2.53	0.001367	± 2.5	PASS
		VN	-20	1.55	0.000838	± 2.5	PASS
		VN	-10	1.27	0.000686	± 2.5	PASS
		VN	0	1.94	0.001048	± 2.5	PASS
		VN	10	-0.51	-0.000276	± 2.5	PASS
		VN	20	-1.34	-0.000724	± 2.5	PASS
		VN	30	3.38	0.001826	± 2.5	PASS
		VN	40	1.38	0.000746	± 2.5	PASS
		VN	50	-1.51	-0.000816	± 2.5	PASS
	MCH	VN	-30	-0.57	-0.000303	± 2.5	PASS
		VN	-20	-0.93	-0.000495	± 2.5	PASS
		VN	-10	-1.21	-0.000644	± 2.5	PASS
		VN	0	-1.3	-0.000691	± 2.5	PASS
		VN	10	-1.83	-0.000973	± 2.5	PASS
		VN	20	0.38	0.000202	± 2.5	PASS
		VN	30	4.07	0.002165	± 2.5	PASS
		VN	40	4.97	0.002644	± 2.5	PASS
		VN	50	3.07	0.001633	± 2.5	PASS
	HCH	VN	-30	1.19	0.000623	± 2.5	PASS
		VN	-20	1.8	0.000943	± 2.5	PASS
		VN	-10	-0.3	-0.000157	± 2.5	PASS
		VN	0	1.85	0.000969	± 2.5	PASS
		VN	10	-1.58	-0.000828	± 2.5	PASS
		VN	20	-1.64	-0.000859	± 2.5	PASS

		VN	30	2.25	0.001178	± 2.5	PASS
		VN	40	0.77	0.000403	± 2.5	PASS
		VN	50	-1.17	-0.000613	± 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	2.84	0.001534	± 2.5	PASS
		VN	TN	2	0.001080	± 2.5	PASS
		VH	TN	0.1	0.000054	± 2.5	PASS
	MCH	VL	TN	0.28	0.000149	± 2.5	PASS
		VN	TN	1.53	0.000814	± 2.5	PASS
		VH	TN	-1.38	-0.000734	± 2.5	PASS
	HCH	VL	TN	-0.92	-0.000482	± 2.5	PASS
		VN	TN	2.9	0.001520	± 2.5	PASS
		VH	TN	3.36	0.001761	± 2.5	PASS
16QAM	LCH	VL	TN	1.67	0.000902	± 2.5	PASS
		VN	TN	-1.23	-0.000664	± 2.5	PASS
		VH	TN	-0.21	-0.000113	± 2.5	PASS
	MCH	VL	TN	-0.51	-0.000271	± 2.5	PASS
		VN	TN	3.58	0.001904	± 2.5	PASS
		VH	TN	0.47	0.000250	± 2.5	PASS
	HCH	VL	TN	0.4	0.000210	± 2.5	PASS
		VN	TN	0.75	0.000393	± 2.5	PASS
		VH	TN	0.67	0.000351	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.26	0.001761	± 2.5	PASS
		VN	-20	-1.26	-0.000681	± 2.5	PASS
		VN	-10	2.1	0.001134	± 2.5	PASS
		VN	0	2.69	0.001453	± 2.5	PASS
		VN	10	-0.71	-0.000383	± 2.5	PASS
		VN	20	0.65	0.000351	± 2.5	PASS
		VN	30	0.98	0.000529	± 2.5	PASS
		VN	40	2.44	0.001318	± 2.5	PASS
		VN	50	1.29	0.000697	± 2.5	PASS
	MCH	VN	-30	2.52	0.001340	± 2.5	PASS
		VN	-20	1.82	0.000968	± 2.5	PASS

		VN	-10	1.18	0.000628	± 2.5	PASS
		VN	0	4.26	0.002266	± 2.5	PASS
		VN	10	1.12	0.000596	± 2.5	PASS
		VN	20	0.54	0.000287	± 2.5	PASS
		VN	30	3.18	0.001691	± 2.5	PASS
		VN	40	2.26	0.001202	± 2.5	PASS
		VN	50	0.36	0.000191	± 2.5	PASS
	HCH	VN	-30	2.32	0.001216	± 2.5	PASS
		VN	-20	2.67	0.001399	± 2.5	PASS
		VN	-10	1.82	0.000954	± 2.5	PASS
		VN	0	4.45	0.002332	± 2.5	PASS
		VN	10	3.11	0.001630	± 2.5	PASS
		VN	20	1.17	0.000613	± 2.5	PASS
		VN	30	-0.93	-0.000487	± 2.5	PASS
		VN	40	2.56	0.001341	± 2.5	PASS
		VN	50	-1.69	-0.000886	± 2.5	PASS
QPSK	LCH	VN	-30	4.53	0.002447	± 2.5	PASS
		VN	-20	-1.3	-0.000702	± 2.5	PASS
		VN	-10	4.86	0.002625	± 2.5	PASS
		VN	0	-1.98	-0.001069	± 2.5	PASS
		VN	10	-1.59	-0.000859	± 2.5	PASS
		VN	20	4.75	0.002565	± 2.5	PASS
		VN	30	4.45	0.002403	± 2.5	PASS
		VN	40	2.37	0.001280	± 2.5	PASS
		VN	50	4.08	0.002204	± 2.5	PASS
	MCH	VN	-30	0.58	0.000309	± 2.5	PASS
		VN	-20	-0.61	-0.000324	± 2.5	PASS
		VN	-10	-0.52	-0.000277	± 2.5	PASS
		VN	0	2.15	0.001144	± 2.5	PASS
		VN	10	2.73	0.001452	± 2.5	PASS
		VN	20	1.92	0.001021	± 2.5	PASS
		VN	30	0.81	0.000431	± 2.5	PASS
		VN	40	-1.4	-0.000745	± 2.5	PASS
		VN	50	0.67	0.000356	± 2.5	PASS
	HCH	VN	-30	2.47	0.001294	± 2.5	PASS
		VN	-20	3.99	0.002091	± 2.5	PASS
		VN	-10	-0.12	-0.000063	± 2.5	PASS
		VN	0	0.07	0.000037	± 2.5	PASS
		VN	10	-1.66	-0.000870	± 2.5	PASS
		VN	20	2.63	0.001378	± 2.5	PASS
		VN	30	0.72	0.000377	± 2.5	PASS

		VN	40	0.6	0.000314	± 2.5	PASS
		VN	50	0.37	0.000194	± 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	-1.48	-0.000799	± 2.5	PASS
		VN	TN	-0.15	-0.000081	± 2.5	PASS
		VH	TN	2.42	0.001306	± 2.5	PASS
	MCH	VL	TN	2.46	0.001309	± 2.5	PASS
		VN	TN	-1.31	-0.000697	± 2.5	PASS
		VH	TN	-0.95	-0.000505	± 2.5	PASS
	HCH	VL	TN	0.53	0.000278	± 2.5	PASS
		VN	TN	-1.21	-0.000634	± 2.5	PASS
		VH	TN	4.54	0.002380	± 2.5	PASS
16QAM	LCH	VL	TN	4.07	0.002197	± 2.5	PASS
		VN	TN	3.15	0.001700	± 2.5	PASS
		VH	TN	1.68	0.000907	± 2.5	PASS
	MCH	VL	TN	-0.33	-0.000176	± 2.5	PASS
		VN	TN	4.94	0.002628	± 2.5	PASS
		VH	TN	3.52	0.001872	± 2.5	PASS
	HCH	VL	TN	0.59	0.000309	± 2.5	PASS
		VN	TN	1.89	0.000991	± 2.5	PASS
		VH	TN	0.81	0.000425	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.52	0.000281	± 2.5	PASS
		VN	-20	-1.33	-0.000718	± 2.5	PASS
		VN	-10	0.5	0.000270	± 2.5	PASS
		VN	0	2.44	0.001317	± 2.5	PASS
		VN	10	2.96	0.001598	± 2.5	PASS
		VN	20	-1.94	-0.001047	± 2.5	PASS
		VN	30	0.34	0.000184	± 2.5	PASS
		VN	40	1.89	0.001020	± 2.5	PASS
		VN	50	4.09	0.002208	± 2.5	PASS
	MCH	VN	-30	0.58	0.000309	± 2.5	PASS
		VN	-20	-0.06	-0.000032	± 2.5	PASS
		VN	-10	3.14	0.001670	± 2.5	PASS

		VN	0	1.53	0.000814	± 2.5	PASS
		VN	10	4.36	0.002319	± 2.5	PASS
		VN	20	-1.27	-0.000676	± 2.5	PASS
		VN	30	1.66	0.000883	± 2.5	PASS
		VN	40	2.58	0.001372	± 2.5	PASS
		VN	50	1.04	0.000553	± 2.5	PASS
	HCH	VN	-30	1.43	0.000750	± 2.5	PASS
		VN	-20	-0.06	-0.000031	± 2.5	PASS
		VN	-10	-1.89	-0.000991	± 2.5	PASS
		VN	0	0.56	0.000294	± 2.5	PASS
		VN	10	-0.45	-0.000236	± 2.5	PASS
		VN	20	2.33	0.001221	± 2.5	PASS
		VN	30	1.27	0.000666	± 2.5	PASS
		VN	40	2.65	0.001389	± 2.5	PASS
		VN	50	0.21	0.000110	± 2.5	PASS
16QAM	LCH	VN	-30	4.39	0.002370	± 2.5	PASS
		VN	-20	0.39	0.000211	± 2.5	PASS
		VN	-10	0.85	0.000459	± 2.5	PASS
		VN	0	3.64	0.001965	± 2.5	PASS
		VN	10	2.86	0.001544	± 2.5	PASS
		VN	20	0.76	0.000410	± 2.5	PASS
		VN	30	1.59	0.000858	± 2.5	PASS
		VN	40	1.16	0.000626	± 2.5	PASS
		VN	50	3.42	0.001846	± 2.5	PASS
	MCH	VN	-30	1.47	0.000782	± 2.5	PASS
		VN	-20	4.44	0.002362	± 2.5	PASS
		VN	-10	3.92	0.002085	± 2.5	PASS
		VN	0	-0.44	-0.000234	± 2.5	PASS
		VN	10	-1.68	-0.000894	± 2.5	PASS
		VN	20	3.22	0.001713	± 2.5	PASS
		VN	30	3.79	0.002016	± 2.5	PASS
		VN	40	4.41	0.002346	± 2.5	PASS
		VN	50	-0.89	-0.000473	± 2.5	PASS
	HCH	VN	-30	4.95	0.002595	± 2.5	PASS
		VN	-20	2.88	0.001510	± 2.5	PASS
		VN	-10	3.66	0.001919	± 2.5	PASS
		VN	0	1.99	0.001043	± 2.5	PASS
		VN	10	-0.86	-0.000451	± 2.5	PASS
		VN	20	4.29	0.002249	± 2.5	PASS
		VN	30	4.01	0.002102	± 2.5	PASS
		VN	40	4.06	0.002128	± 2.5	PASS

		VN	50	3.25	0.001704	± 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	4.33	0.002334	± 2.5	PASS
		VN	TN	1.94	0.001046	± 2.5	PASS
		VH	TN	2.39	0.001288	± 2.5	PASS
	MCH	VL	TN	3.14	0.001670	± 2.5	PASS
		VN	TN	-1.3	-0.000691	± 2.5	PASS
		VH	TN	-1.62	-0.000862	± 2.5	PASS
	HCH	VL	TN	0.45	0.000236	± 2.5	PASS
		VN	TN	4.7	0.002467	± 2.5	PASS
		VH	TN	4.97	0.002609	± 2.5	PASS
16QAM	LCH	VL	TN	1.67	0.000900	± 2.5	PASS
		VN	TN	-0.17	-0.000092	± 2.5	PASS
		VH	TN	1.23	0.000663	± 2.5	PASS
	MCH	VL	TN	-1.98	-0.001053	± 2.5	PASS
		VN	TN	3.57	0.001899	± 2.5	PASS
		VH	TN	3.21	0.001707	± 2.5	PASS
	HCH	VL	TN	3.69	0.001937	± 2.5	PASS
		VN	TN	0.81	0.000425	± 2.5	PASS
		VH	TN	4.88	0.002562	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	3.36	0.001811	± 2.5	PASS
		VN	-20	4.88	0.002631	± 2.5	PASS
		VN	-10	1.27	0.000685	± 2.5	PASS
		VN	0	2.34	0.001261	± 2.5	PASS
		VN	10	2.89	0.001558	± 2.5	PASS
		VN	20	0.58	0.000313	± 2.5	PASS
		VN	30	3.34	0.001801	± 2.5	PASS
		VN	40	-1.23	-0.000663	± 2.5	PASS
		VN	50	5	0.002695	± 2.5	PASS
	MCH	VN	-30	3.63	0.001931	± 2.5	PASS
		VN	-20	0.41	0.000218	± 2.5	PASS
		VN	-10	0.66	0.000351	± 2.5	PASS
		VN	0	0.22	0.000117	± 2.5	PASS

		VN	10	3.27	0.001739	± 2.5	PASS
		VN	20	-0.87	-0.000463	± 2.5	PASS
		VN	30	4.43	0.002356	± 2.5	PASS
		VN	40	-1.43	-0.000761	± 2.5	PASS
		VN	50	3.15	0.001676	± 2.5	PASS
	HCH	VN	-30	-0.91	-0.000478	± 2.5	PASS
		VN	-20	2.24	0.001176	± 2.5	PASS
		VN	-10	1.79	0.000940	± 2.5	PASS
		VN	0	3.29	0.001727	± 2.5	PASS
		VN	10	-1.92	-0.001008	± 2.5	PASS
		VN	20	-0.77	-0.000404	± 2.5	PASS
		VN	30	4.17	0.002189	± 2.5	PASS
		VN	40	3.25	0.001706	± 2.5	PASS
		VN	50	-1.7	-0.000892	± 2.5	PASS
		VN	-30	-0.44	-0.000237	± 2.5	PASS
QPSK	LCH	VN	-20	0.71	0.000383	± 2.5	PASS
		VN	-10	-1.8	-0.000970	± 2.5	PASS
		VN	0	3.72	0.002005	± 2.5	PASS
		VN	10	3.29	0.001774	± 2.5	PASS
		VN	20	0.66	0.000356	± 2.5	PASS
		VN	30	2.22	0.001197	± 2.5	PASS
		VN	40	1.79	0.000965	± 2.5	PASS
		VN	50	4.35	0.002345	± 2.5	PASS
	MCH	VN	-30	3.31	0.001761	± 2.5	PASS
		VN	-20	-1.14	-0.000606	± 2.5	PASS
		VN	-10	4.82	0.002564	± 2.5	PASS
		VN	0	0.42	0.000223	± 2.5	PASS
		VN	10	3.69	0.001963	± 2.5	PASS
		VN	20	-0.93	-0.000495	± 2.5	PASS
		VN	30	-1.89	-0.001005	± 2.5	PASS
		VN	40	2.04	0.001085	± 2.5	PASS
		VN	50	3.13	0.001665	± 2.5	PASS
	HCH	VN	-30	1.5	0.000787	± 2.5	PASS
		VN	-20	0.75	0.000394	± 2.5	PASS
		VN	-10	-1.29	-0.000677	± 2.5	PASS
		VN	0	4.87	0.002556	± 2.5	PASS
		VN	10	1.06	0.000556	± 2.5	PASS
		VN	20	3.27	0.001717	± 2.5	PASS
		VN	30	1	0.000525	± 2.5	PASS
		VN	40	-0.27	-0.000142	± 2.5	PASS
		VN	50	2.16	0.001134	± 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	1.81	0.000974	± 2.5	PASS
		VN	TN	2.39	0.001287	± 2.5	PASS
		VH	TN	2.48	0.001335	± 2.5	PASS
	MCH	VL	TN	3.99	0.002122	± 2.5	PASS
		VN	TN	1.66	0.000883	± 2.5	PASS
		VH	TN	1.32	0.000702	± 2.5	PASS
	HCH	VL	TN	1.29	0.000678	± 2.5	PASS
		VN	TN	1.1	0.000578	± 2.5	PASS
		VH	TN	-1.19	-0.000625	± 2.5	PASS
16QAM	LCH	VL	TN	4.39	0.002363	± 2.5	PASS
		VN	TN	-0.47	-0.000253	± 2.5	PASS
		VH	TN	3.9	0.002100	± 2.5	PASS
	MCH	VL	TN	-1.76	-0.000936	± 2.5	PASS
		VN	TN	-1.85	-0.000984	± 2.5	PASS
		VH	TN	1.03	0.000548	± 2.5	PASS
	HCH	VL	TN	1.02	0.000536	± 2.5	PASS
		VN	TN	1.43	0.000752	± 2.5	PASS
		VH	TN	3.77	0.001982	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.14	0.000614	± 2.5	PASS
		VN	-20	-0.3	-0.000162	± 2.5	PASS
		VN	-10	-0.74	-0.000398	± 2.5	PASS
		VN	0	0.69	0.000371	± 2.5	PASS
		VN	10	3.94	0.002121	± 2.5	PASS
		VN	20	2.02	0.001087	± 2.5	PASS
		VN	30	0.03	0.000016	± 2.5	PASS
		VN	40	4.15	0.002234	± 2.5	PASS
		VN	50	0.18	0.000097	± 2.5	PASS
	MCH	VN	-30	-0.8	-0.000426	± 2.5	PASS
		VN	-20	-1.71	-0.000910	± 2.5	PASS
		VN	-10	0.36	0.000191	± 2.5	PASS
		VN	0	3.08	0.001638	± 2.5	PASS
		VN	10	-1.67	-0.000888	± 2.5	PASS
		VN	20	4.67	0.002484	± 2.5	PASS

		VN	30	-0.99	-0.000527	± 2.5	PASS
		VN	40	-1	-0.000532	± 2.5	PASS
		VN	50	3.56	0.001894	± 2.5	PASS
	HCH	VN	-30	1.64	0.000862	± 2.5	PASS
		VN	-20	-1.56	-0.000820	± 2.5	PASS
		VN	-10	0.35	0.000184	± 2.5	PASS
		VN	0	3.94	0.002071	± 2.5	PASS
		VN	10	2.06	0.001083	± 2.5	PASS
		VN	20	0.63	0.000331	± 2.5	PASS
		VN	30	1.8	0.000946	± 2.5	PASS
		VN	40	3.69	0.001940	± 2.5	PASS
		VN	50	3.12	0.001640	± 2.5	PASS
QPSK	LCH	VN	-30	0.64	0.000345	± 2.5	PASS
		VN	-20	0.25	0.000135	± 2.5	PASS
		VN	-10	-0.46	-0.000248	± 2.5	PASS
		VN	0	-1.32	-0.000711	± 2.5	PASS
		VN	10	-0.15	-0.000081	± 2.5	PASS
		VN	20	4.92	0.002649	± 2.5	PASS
		VN	30	3.23	0.001739	± 2.5	PASS
		VN	40	3.29	0.001771	± 2.5	PASS
		VN	50	-0.53	-0.000285	± 2.5	PASS
	MCH	VN	-30	4.04	0.002149	± 2.5	PASS
		VN	-20	0.43	0.000229	± 2.5	PASS
		VN	-10	-0.28	-0.000149	± 2.5	PASS
		VN	0	1.16	0.000617	± 2.5	PASS
		VN	10	3.95	0.002101	± 2.5	PASS
		VN	20	3.68	0.001957	± 2.5	PASS
		VN	30	3.94	0.002096	± 2.5	PASS
		VN	40	2.66	0.001415	± 2.5	PASS
		VN	50	2.4	0.001277	± 2.5	PASS
	HCH	VN	-30	-0.25	-0.000131	± 2.5	PASS
		VN	-20	-1.59	-0.000836	± 2.5	PASS
		VN	-10	-0.1	-0.000053	± 2.5	PASS
		VN	0	1.73	0.000909	± 2.5	PASS
		VN	10	3.39	0.001782	± 2.5	PASS
		VN	20	0.21	0.000110	± 2.5	PASS
		VN	30	4.64	0.002439	± 2.5	PASS
		VN	40	2.81	0.001477	± 2.5	PASS
		VN	50	0.55	0.000289	± 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	4.69	0.002522	± 2.5	PASS
		VN	TN	0.61	0.000328	± 2.5	PASS
		VH	TN	1.5	0.000808	± 2.5	PASS
	MCH	VL	TN	-0.38	-0.000202	± 2.5	PASS
		VN	TN	4.78	0.002543	± 2.5	PASS
		VH	TN	1.64	0.000872	± 2.5	PASS
	HCH	VL	TN	-1.9	-0.000999	± 2.5	PASS
		VN	TN	3.26	0.001714	± 2.5	PASS
		VH	TN	1.2	0.000631	± 2.5	PASS
16QAM	LCH	VL	TN	-1	-0.000538	± 2.5	PASS
		VN	TN	2.58	0.001389	± 2.5	PASS
		VH	TN	2.8	0.001507	± 2.5	PASS
	MCH	VL	TN	1.8	0.000957	± 2.5	PASS
		VN	TN	4.37	0.002324	± 2.5	PASS
		VH	TN	1.67	0.000888	± 2.5	PASS
	HCH	VL	TN	-1.52	-0.000799	± 2.5	PASS
		VN	TN	-0.52	-0.000273	± 2.5	PASS
		VH	TN	2.15	0.001130	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.57	0.000306	± 2.5	PASS
		VN	-20	0.13	0.000070	± 2.5	PASS
		VN	-10	-1.56	-0.000839	± 2.5	PASS
		VN	0	-0.58	-0.000312	± 2.5	PASS
		VN	10	2.55	0.001371	± 2.5	PASS
		VN	20	2.02	0.001086	± 2.5	PASS
		VN	30	1.14	0.000613	± 2.5	PASS
		VN	40	3.67	0.001973	± 2.5	PASS
		VN	50	-0.42	-0.000226	± 2.5	PASS
	MCH	VN	-30	2.94	0.001564	± 2.5	PASS
		VN	-20	-1.08	-0.000574	± 2.5	PASS
		VN	-10	0.64	0.000340	± 2.5	PASS
		VN	0	2.24	0.001191	± 2.5	PASS
		VN	10	4.09	0.002176	± 2.5	PASS
		VN	20	3.33	0.001771	± 2.5	PASS

		VN	30	1.02	0.000543	± 2.5	PASS
		VN	40	-0.09	-0.000048	± 2.5	PASS
		VN	50	1.57	0.000835	± 2.5	PASS
	HCH	VN	-30	0.33	0.000174	± 2.5	PASS
		VN	-20	2.72	0.001432	± 2.5	PASS
		VN	-10	-1.62	-0.000853	± 2.5	PASS
		VN	0	4.18	0.002200	± 2.5	PASS
		VN	10	1.58	0.000832	± 2.5	PASS
		VN	20	3.21	0.001689	± 2.5	PASS
		VN	30	4.83	0.002542	± 2.5	PASS
		VN	40	-1.07	-0.000563	± 2.5	PASS
		VN	50	3.27	0.001721	± 2.5	PASS
QPSK	LCH	VN	-30	3.99	0.002145	± 2.5	PASS
		VN	-20	2.06	0.001108	± 2.5	PASS
		VN	-10	-1.82	-0.000978	± 2.5	PASS
		VN	0	-1.43	-0.000769	± 2.5	PASS
		VN	10	-0.43	-0.000231	± 2.5	PASS
		VN	20	1.3	0.000699	± 2.5	PASS
		VN	30	3.03	0.001629	± 2.5	PASS
		VN	40	3.49	0.001876	± 2.5	PASS
		VN	50	0.01	0.000005	± 2.5	PASS
	MCH	VN	-30	2.62	0.001394	± 2.5	PASS
		VN	-20	4.8	0.002553	± 2.5	PASS
		VN	-10	2.34	0.001245	± 2.5	PASS
		VN	0	0.58	0.000309	± 2.5	PASS
		VN	10	-0.41	-0.000218	± 2.5	PASS
		VN	20	0.54	0.000287	± 2.5	PASS
		VN	30	3.15	0.001676	± 2.5	PASS
		VN	40	2.18	0.001160	± 2.5	PASS
		VN	50	2.98	0.001585	± 2.5	PASS
	HCH	VN	-30	-1.22	-0.000642	± 2.5	PASS
		VN	-20	-1.18	-0.000621	± 2.5	PASS
		VN	-10	-1.56	-0.000821	± 2.5	PASS
		VN	0	1.39	0.000732	± 2.5	PASS
		VN	10	-0.53	-0.000279	± 2.5	PASS
		VN	20	1.32	0.000695	± 2.5	PASS
		VN	30	1.01	0.000532	± 2.5	PASS
		VN	40	-0.3	-0.000158	± 2.5	PASS
		VN	50	3.29	0.001732	± 2.5	PASS