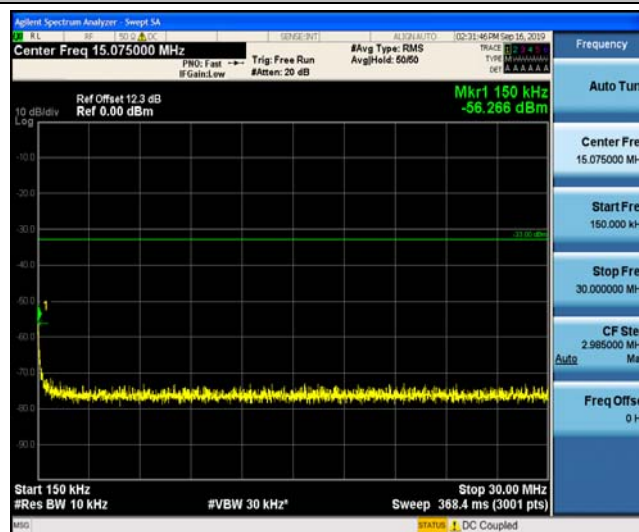




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Band66_20MHz_QPSK_132322_1RB#0



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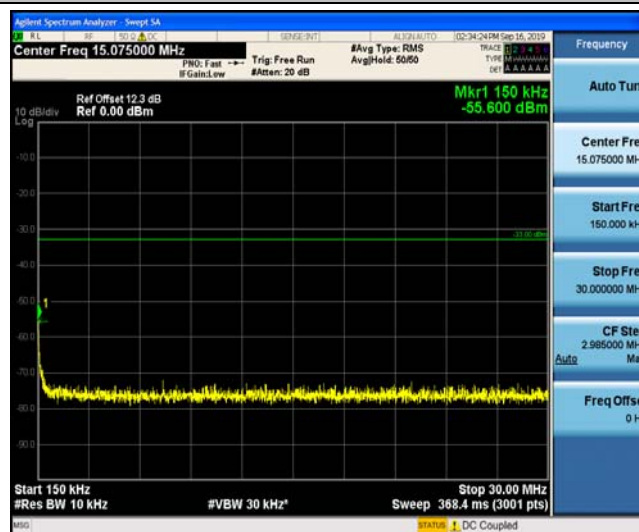
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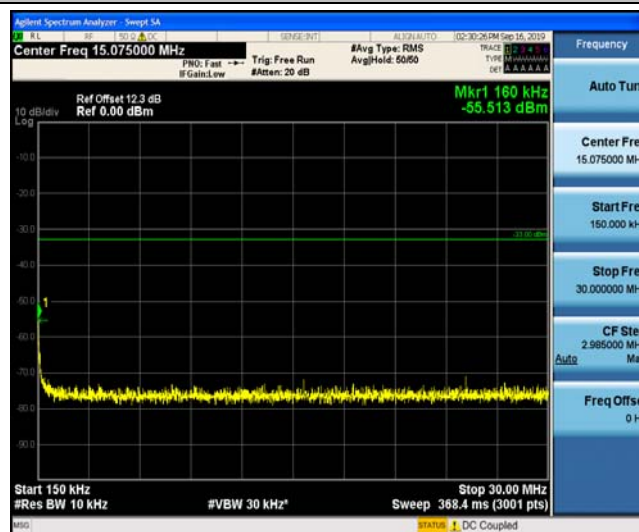
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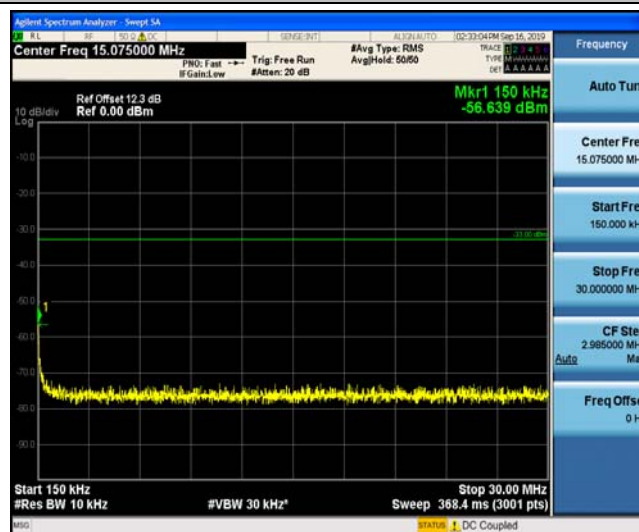
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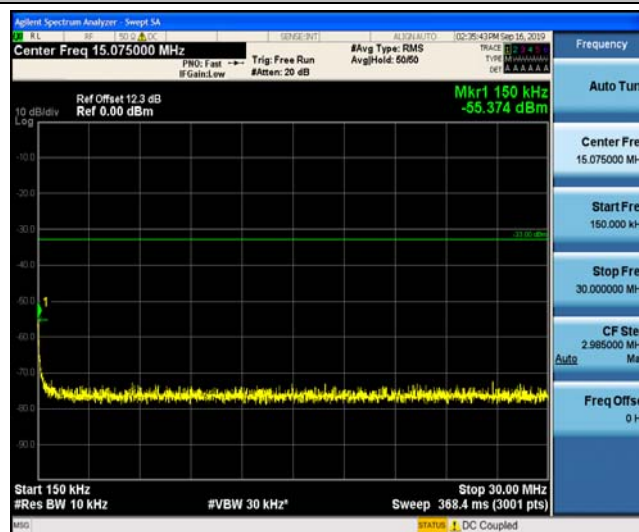
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Band66_20MHz_16QAM_132572_1RB#0



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Band66_20MHz_16QAM_132572_1RB#0



Band66_20MHz_16QAM_132572_1RB#0



Band66_20MHz_16QAM_132572_1RB#0



Band66_20MHz_16QAM_132572_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	2.36	0.001380	± 2.5	PASS
		VN	TN	2.77	0.001619	± 2.5	PASS
		VH	TN	4.14	0.002420	± 2.5	PASS
	MCH	VL	TN	2.24	0.001284	± 2.5	PASS
		VN	TN	2.54	0.001456	± 2.5	PASS
		VH	TN	3.94	0.002258	± 2.5	PASS
	HCH	VL	TN	0.31	0.000174	± 2.5	PASS
		VN	TN	0.5	0.000281	± 2.5	PASS
		VH	TN	-0.89	-0.000500	± 2.5	PASS
16QAM	LCH	VL	TN	-1.53	-0.000894	± 2.5	PASS
		VN	TN	3.49	0.002040	± 2.5	PASS
		VH	TN	3.5	0.002046	± 2.5	PASS
	MCH	VL	TN	3.96	0.002269	± 2.5	PASS
		VN	TN	0.44	0.000252	± 2.5	PASS
		VH	TN	1.93	0.001106	± 2.5	PASS
	HCH	VL	TN	1.9	0.001068	± 2.5	PASS
		VN	TN	-0.42	-0.000236	± 2.5	PASS
		VH	TN	2.52	0.001416	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.1	-0.000058	± 2.5	PASS
		VN	-20	0.09	0.000053	± 2.5	PASS
		VN	-10	2.28	0.001333	± 2.5	PASS
		VN	0	3.39	0.001982	± 2.5	PASS
		VN	10	-0.53	-0.000310	± 2.5	PASS
		VN	20	-0.44	-0.000257	± 2.5	PASS
		VN	30	-0.07	-0.000041	± 2.5	PASS
		VN	40	2.82	0.001648	± 2.5	PASS
		VN	50	2.88	0.001684	± 2.5	PASS
	MCH	VN	-30	-1.11	-0.000636	± 2.5	PASS
VN		-20	-0.77	-0.000441	± 2.5	PASS	

		VN	-10	2.66	0.001524	± 2.5	PASS
		VN	0	-1.28	-0.000734	± 2.5	PASS
		VN	10	-0.81	-0.000464	± 2.5	PASS
		VN	20	-1.79	-0.001026	± 2.5	PASS
		VN	30	-1.35	-0.000774	± 2.5	PASS
		VN	40	4.41	0.002527	± 2.5	PASS
		VN	50	0.64	0.000367	± 2.5	PASS
	HCH	VN	-30	2.26	0.001270	± 2.5	PASS
		VN	-20	-1.06	-0.000596	± 2.5	PASS
		VN	-10	3.08	0.001731	± 2.5	PASS
		VN	0	2.34	0.001315	± 2.5	PASS
		VN	10	1.65	0.000927	± 2.5	PASS
		VN	20	1.05	0.000590	± 2.5	PASS
		VN	30	-1.36	-0.000764	± 2.5	PASS
		VN	40	0.93	0.000523	± 2.5	PASS
		VN	50	3.99	0.002242	± 2.5	PASS
16QAM	LCH	VN	-30	-0.06	-0.000035	± 2.5	PASS
		VN	-20	4.1	0.002397	± 2.5	PASS
		VN	-10	2.33	0.001362	± 2.5	PASS
		VN	0	4.02	0.002350	± 2.5	PASS
		VN	10	1.04	0.000608	± 2.5	PASS
		VN	20	3.56	0.002081	± 2.5	PASS
		VN	30	3.25	0.001900	± 2.5	PASS
		VN	40	3.02	0.001765	± 2.5	PASS
		VN	50	2.59	0.001514	± 2.5	PASS
	MCH	VN	-30	-1.96	-0.001123	± 2.5	PASS
		VN	-20	4.85	0.002779	± 2.5	PASS
		VN	-10	-0.28	-0.000160	± 2.5	PASS
		VN	0	-1.94	-0.001112	± 2.5	PASS
		VN	10	-0.5	-0.000287	± 2.5	PASS
		VN	20	1.3	0.000745	± 2.5	PASS
		VN	30	1.74	0.000997	± 2.5	PASS
		VN	40	4.8	0.002751	± 2.5	PASS
		VN	50	4.27	0.002447	± 2.5	PASS
	HCH	VN	-30	4.31	0.002422	± 2.5	PASS
		VN	-20	-1.97	-0.001107	± 2.5	PASS
		VN	-10	0.77	0.000433	± 2.5	PASS
		VN	0	-1.67	-0.000939	± 2.5	PASS
		VN	10	0.75	0.000422	± 2.5	PASS
		VN	20	-0.79	-0.000444	± 2.5	PASS
		VN	30	2.55	0.001433	± 2.5	PASS

		VN	40	0.23	0.000129	± 2.5	PASS
		VN	50	-0.8	-0.000450	± 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	2.16	0.001262	± 2.5	PASS
		VN	TN	-0.32	-0.000187	± 2.5	PASS
		VH	TN	3.75	0.002191	± 2.5	PASS
	MCH	VL	TN	1.99	0.001140	± 2.5	PASS
		VN	TN	5	0.002865	± 2.5	PASS
		VH	TN	2.84	0.001628	± 2.5	PASS
	HCH	VL	TN	2.64	0.001484	± 2.5	PASS
		VN	TN	2.93	0.001647	± 2.5	PASS
		VH	TN	-1.51	-0.000849	± 2.5	PASS
16QAM	LCH	VL	TN	1.61	0.000941	± 2.5	PASS
		VN	TN	1.56	0.000911	± 2.5	PASS
		VH	TN	-1.06	-0.000619	± 2.5	PASS
	MCH	VL	TN	3.52	0.002017	± 2.5	PASS
		VN	TN	4.01	0.002298	± 2.5	PASS
		VH	TN	1.09	0.000625	± 2.5	PASS
	HCH	VL	TN	3.13	0.001759	± 2.5	PASS
		VN	TN	-1.12	-0.000629	± 2.5	PASS
		VH	TN	-0.82	-0.000461	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.79	0.001046	± 2.5	PASS
		VN	-20	4.26	0.002489	± 2.5	PASS
		VN	-10	-1.51	-0.000882	± 2.5	PASS
		VN	0	2.15	0.001256	± 2.5	PASS
		VN	10	4.99	0.002916	± 2.5	PASS
		VN	20	-1.01	-0.000590	± 2.5	PASS
		VN	30	2.86	0.001671	± 2.5	PASS
		VN	40	3.85	0.002249	± 2.5	PASS
		VN	50	1.73	0.001011	± 2.5	PASS
	MCH	VN	-30	3.36	0.001926	± 2.5	PASS
		VN	-20	4.49	0.002573	± 2.5	PASS
		VN	-10	-0.37	-0.000212	± 2.5	PASS

		VN	0	4.6	0.002636	± 2.5	PASS
		VN	10	-1.04	-0.000596	± 2.5	PASS
		VN	20	4.91	0.002814	± 2.5	PASS
		VN	30	0.99	0.000567	± 2.5	PASS
		VN	40	2.59	0.001484	± 2.5	PASS
		VN	50	3.85	0.002206	± 2.5	PASS
	HCH	VN	-30	3.09	0.001737	± 2.5	PASS
		VN	-20	1.59	0.000894	± 2.5	PASS
		VN	-10	1.97	0.001107	± 2.5	PASS
		VN	0	2.23	0.001253	± 2.5	PASS
		VN	10	-0.39	-0.000219	± 2.5	PASS
		VN	20	3.07	0.001725	± 2.5	PASS
		VN	30	0.78	0.000438	± 2.5	PASS
		VN	40	-0.07	-0.000039	± 2.5	PASS
		VN	50	3.06	0.001720	± 2.5	PASS
QPSK	LCH	VN	-30	-1.51	-0.000882	± 2.5	PASS
		VN	-20	2.49	0.001455	± 2.5	PASS
		VN	-10	-1.95	-0.001139	± 2.5	PASS
		VN	0	1.59	0.000929	± 2.5	PASS
		VN	10	3	0.001753	± 2.5	PASS
		VN	20	-0.53	-0.000310	± 2.5	PASS
		VN	30	1.12	0.000654	± 2.5	PASS
		VN	40	2.75	0.001607	± 2.5	PASS
		VN	50	3.9	0.002279	± 2.5	PASS
	MCH	VN	-30	2.45	0.001404	± 2.5	PASS
		VN	-20	4.94	0.002831	± 2.5	PASS
		VN	-10	2.08	0.001192	± 2.5	PASS
		VN	0	3.45	0.001977	± 2.5	PASS
		VN	10	4.82	0.002762	± 2.5	PASS
		VN	20	-0.62	-0.000355	± 2.5	PASS
		VN	30	-1.12	-0.000642	± 2.5	PASS
		VN	40	-1.54	-0.000883	± 2.5	PASS
		VN	50	1.72	0.000986	± 2.5	PASS
	HCH	VN	-30	3.07	0.001725	± 2.5	PASS
		VN	-20	-0.94	-0.000528	± 2.5	PASS
		VN	-10	2.93	0.001647	± 2.5	PASS
		VN	0	4.76	0.002675	± 2.5	PASS
		VN	10	2.01	0.001130	± 2.5	PASS
		VN	20	2.93	0.001647	± 2.5	PASS
		VN	30	-1.56	-0.000877	± 2.5	PASS
		VN	40	4.37	0.002456	± 2.5	PASS

		VN	50	3.8	0.002136	± 2.5	PASS
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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	2.19	0.001279	± 2.5	PASS
		VN	TN	0.94	0.000549	± 2.5	PASS
		VH	TN	3.12	0.001822	± 2.5	PASS
	MCH	VL	TN	1.41	0.000808	± 2.5	PASS
		VN	TN	1.47	0.000842	± 2.5	PASS
		VH	TN	-1.19	-0.000682	± 2.5	PASS
	HCH	VL	TN	4.26	0.002395	± 2.5	PASS
		VN	TN	1.46	0.000821	± 2.5	PASS
		VH	TN	3.55	0.001996	± 2.5	PASS
16QAM	LCH	VL	TN	2.29	0.001337	± 2.5	PASS
		VN	TN	-1.1	-0.000642	± 2.5	PASS
		VH	TN	4.53	0.002645	± 2.5	PASS
	MCH	VL	TN	2.55	0.001461	± 2.5	PASS
		VN	TN	1.79	0.001026	± 2.5	PASS
		VH	TN	3.8	0.002178	± 2.5	PASS
	HCH	VL	TN	2.77	0.001557	± 2.5	PASS
		VN	TN	-0.34	-0.000191	± 2.5	PASS
		VH	TN	3.25	0.001827	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.51	-0.000882	± 2.5	PASS
		VN	-20	2.15	0.001255	± 2.5	PASS
		VN	-10	0.84	0.000491	± 2.5	PASS
		VN	0	2.12	0.001238	± 2.5	PASS
		VN	10	0.55	0.000321	± 2.5	PASS
		VN	20	1.34	0.000782	± 2.5	PASS
		VN	30	1.22	0.000712	± 2.5	PASS
		VN	40	3.26	0.001904	± 2.5	PASS
		VN	50	-1.53	-0.000893	± 2.5	PASS
	MCH	VN	-30	1.67	0.000957	± 2.5	PASS
		VN	-20	0.44	0.000252	± 2.5	PASS
		VN	-10	4.09	0.002344	± 2.5	PASS
		VN	0	-1.38	-0.000791	± 2.5	PASS

		VN	10	4.91	0.002814	± 2.5	PASS
		VN	20	-0.88	-0.000504	± 2.5	PASS
		VN	30	1.44	0.000825	± 2.5	PASS
		VN	40	0.71	0.000407	± 2.5	PASS
		VN	50	4.76	0.002728	± 2.5	PASS
	HCH	VN	-30	0.85	0.000478	± 2.5	PASS
		VN	-20	0.06	0.000034	± 2.5	PASS
		VN	-10	1.84	0.001035	± 2.5	PASS
		VN	0	-1.69	-0.000950	± 2.5	PASS
		VN	10	4.35	0.002446	± 2.5	PASS
		VN	20	3.1	0.001743	± 2.5	PASS
		VN	30	4.96	0.002789	± 2.5	PASS
		VN	40	3.8	0.002137	± 2.5	PASS
		VN	50	2.52	0.001417	± 2.5	PASS
		VN	-30	-0.5	-0.000292	± 2.5	PASS
		VN	-20	1.69	0.000987	± 2.5	PASS
		VN	-10	-0.43	-0.000251	± 2.5	PASS
		VN	0	1.43	0.000835	± 2.5	PASS
		VN	10	-0.93	-0.000543	± 2.5	PASS
		VN	20	-1.27	-0.000742	± 2.5	PASS
16QAM	LCH	VN	30	4.35	0.002540	± 2.5	PASS
		VN	40	4.07	0.002377	± 2.5	PASS
		VN	50	1.1	0.000642	± 2.5	PASS
	MCH	VN	-30	0.95	0.000544	± 2.5	PASS
		VN	-20	4.19	0.002401	± 2.5	PASS
		VN	-10	2.03	0.001163	± 2.5	PASS
		VN	0	-1.31	-0.000751	± 2.5	PASS
		VN	10	0.37	0.000212	± 2.5	PASS
		VN	20	2.81	0.001610	± 2.5	PASS
		VN	30	4.05	0.002321	± 2.5	PASS
		VN	40	0.9	0.000516	± 2.5	PASS
		VN	50	3.63	0.002080	± 2.5	PASS
	HCH	VN	-30	0.6	0.000337	± 2.5	PASS
		VN	-20	2.44	0.001372	± 2.5	PASS
		VN	-10	0.27	0.000152	± 2.5	PASS
		VN	0	4.16	0.002339	± 2.5	PASS
		VN	10	0.95	0.000534	± 2.5	PASS
		VN	20	3.15	0.001771	± 2.5	PASS
		VN	30	3.28	0.001844	± 2.5	PASS
		VN	40	4.73	0.002660	± 2.5	PASS
		VN	50	0.87	0.000489	± 2.5	PASS

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	3.26	0.001901	± 2.5	PASS
		VN	TN	4.32	0.002519	± 2.5	PASS
		VH	TN	-1.13	-0.000659	± 2.5	PASS
	MCH	VL	TN	-0.58	-0.000332	± 2.5	PASS
		VN	TN	-1.09	-0.000625	± 2.5	PASS
		VH	TN	1.6	0.000917	± 2.5	PASS
	HCH	VL	TN	4.79	0.002695	± 2.5	PASS
		VN	TN	0.51	0.000287	± 2.5	PASS
		VH	TN	-0.29	-0.000163	± 2.5	PASS
16QAM	LCH	VL	TN	3.17	0.001848	± 2.5	PASS
		VN	TN	4.66	0.002717	± 2.5	PASS
		VH	TN	3.83	0.002233	± 2.5	PASS
	MCH	VL	TN	3.94	0.002258	± 2.5	PASS
		VN	TN	4.91	0.002814	± 2.5	PASS
		VH	TN	-1.4	-0.000802	± 2.5	PASS
	HCH	VL	TN	2.57	0.001446	± 2.5	PASS
		VN	TN	-0.53	-0.000298	± 2.5	PASS
		VH	TN	1.54	0.000866	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-1.85	-0.001079	± 2.5	PASS
		VN	-20	2.41	0.001405	± 2.5	PASS
		VN	-10	-0.15	-0.000087	± 2.5	PASS
		VN	0	-1.47	-0.000857	± 2.5	PASS
		VN	10	3.83	0.002233	± 2.5	PASS
		VN	20	0.64	0.000373	± 2.5	PASS
		VN	30	4.59	0.002676	± 2.5	PASS
		VN	40	2.5	0.001458	± 2.5	PASS
		VN	50	3.76	0.002192	± 2.5	PASS
	MCH	VN	-30	-1.65	-0.000946	± 2.5	PASS
		VN	-20	-0.16	-0.000092	± 2.5	PASS
		VN	-10	-0.83	-0.000476	± 2.5	PASS
		VN	0	3.06	0.001754	± 2.5	PASS
		VN	10	-0.26	-0.000149	± 2.5	PASS
		VN	20	4.61	0.002642	± 2.5	PASS

		VN	30	-1.86	-0.001066	± 2.5	PASS
		VN	40	-0.06	-0.000034	± 2.5	PASS
		VN	50	0.96	0.000550	± 2.5	PASS
	HCH	VN	-30	2.9	0.001632	± 2.5	PASS
		VN	-20	0.78	0.000439	± 2.5	PASS
		VN	-10	3.04	0.001710	± 2.5	PASS
		VN	0	2.31	0.001300	± 2.5	PASS
		VN	10	-0.23	-0.000129	± 2.5	PASS
		VN	20	4.64	0.002610	± 2.5	PASS
		VN	30	3.84	0.002160	± 2.5	PASS
		VN	40	-1.27	-0.000714	± 2.5	PASS
		VN	50	-1.87	-0.001052	± 2.5	PASS
QPSK	LCH	VN	-30	1.93	0.001125	± 2.5	PASS
		VN	-20	-0.59	-0.000344	± 2.5	PASS
		VN	-10	0.26	0.000152	± 2.5	PASS
		VN	0	1.72	0.001003	± 2.5	PASS
		VN	10	1.15	0.000671	± 2.5	PASS
		VN	20	2.94	0.001714	± 2.5	PASS
		VN	30	0.17	0.000099	± 2.5	PASS
		VN	40	0.58	0.000338	± 2.5	PASS
		VN	50	-1.2	-0.000700	± 2.5	PASS
	MCH	VN	-30	3.33	0.001908	± 2.5	PASS
		VN	-20	1.79	0.001026	± 2.5	PASS
		VN	-10	4.39	0.002516	± 2.5	PASS
		VN	0	4.58	0.002625	± 2.5	PASS
		VN	10	1.01	0.000579	± 2.5	PASS
		VN	20	1.38	0.000791	± 2.5	PASS
		VN	30	2.85	0.001633	± 2.5	PASS
		VN	40	2.06	0.001181	± 2.5	PASS
		VN	50	3.71	0.002126	± 2.5	PASS
	HCH	VN	-30	1.52	0.000855	± 2.5	PASS
		VN	-20	1.3	0.000731	± 2.5	PASS
		VN	-10	0.58	0.000326	± 2.5	PASS
		VN	0	4.18	0.002352	± 2.5	PASS
		VN	10	3.84	0.002160	± 2.5	PASS
		VN	20	0.79	0.000444	± 2.5	PASS
		VN	30	4.68	0.002633	± 2.5	PASS
		VN	40	0.03	0.000017	± 2.5	PASS
		VN	50	2.76	0.001553	± 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	4.08	0.002376	± 2.5	PASS
		VN	TN	-0.89	-0.000518	± 2.5	PASS
		VH	TN	2.06	0.001199	± 2.5	PASS
	MCH	VL	TN	-1.99	-0.001140	± 2.5	PASS
		VN	TN	1.47	0.000842	± 2.5	PASS
		VH	TN	2.55	0.001461	± 2.5	PASS
	HCH	VL	TN	2.67	0.001504	± 2.5	PASS
		VN	TN	2.74	0.001544	± 2.5	PASS
		VH	TN	4.38	0.002468	± 2.5	PASS
16QAM	LCH	VL	TN	1.82	0.001060	± 2.5	PASS
		VN	TN	3.12	0.001817	± 2.5	PASS
		VH	TN	2.54	0.001479	± 2.5	PASS
	MCH	VL	TN	0.46	0.000264	± 2.5	PASS
		VN	TN	3.75	0.002149	± 2.5	PASS
		VH	TN	3.33	0.001908	± 2.5	PASS
	HCH	VL	TN	4.69	0.002642	± 2.5	PASS
		VN	TN	3.02	0.001701	± 2.5	PASS
		VH	TN	4.18	0.002355	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.8	0.002795	± 2.5	PASS
		VN	-20	0.38	0.000221	± 2.5	PASS
		VN	-10	4.16	0.002422	± 2.5	PASS
		VN	0	3.24	0.001886	± 2.5	PASS
		VN	10	0.84	0.000489	± 2.5	PASS
		VN	20	-0.91	-0.000530	± 2.5	PASS
		VN	30	4.17	0.002428	± 2.5	PASS
		VN	40	-1.28	-0.000745	± 2.5	PASS
		VN	50	3.71	0.002160	± 2.5	PASS
	MCH	VN	-30	1.49	0.000854	± 2.5	PASS
		VN	-20	1.8	0.001032	± 2.5	PASS
		VN	-10	3.28	0.001880	± 2.5	PASS
		VN	0	3.84	0.002201	± 2.5	PASS
		VN	10	3.95	0.002264	± 2.5	PASS
		VN	20	4.34	0.002487	± 2.5	PASS

		VN	30	0.91	0.000521	± 2.5	PASS
		VN	40	1.08	0.000619	± 2.5	PASS
		VN	50	3.12	0.001788	± 2.5	PASS
	HCH	VN	-30	4.81	0.002710	± 2.5	PASS
		VN	-20	0.94	0.000530	± 2.5	PASS
		VN	-10	0.81	0.000456	± 2.5	PASS
		VN	0	2.14	0.001206	± 2.5	PASS
		VN	10	0.17	0.000096	± 2.5	PASS
		VN	20	3.23	0.001820	± 2.5	PASS
		VN	30	3.43	0.001932	± 2.5	PASS
		VN	40	4.25	0.002394	± 2.5	PASS
		VN	50	3.55	0.002000	± 2.5	PASS
QPSK	LCH	VN	-30	0.75	0.000437	± 2.5	PASS
		VN	-20	3.85	0.002242	± 2.5	PASS
		VN	-10	-1.93	-0.001124	± 2.5	PASS
		VN	0	3.41	0.001985	± 2.5	PASS
		VN	10	-0.3	-0.000175	± 2.5	PASS
		VN	20	-0.23	-0.000134	± 2.5	PASS
		VN	30	3.31	0.001927	± 2.5	PASS
		VN	40	1.74	0.001013	± 2.5	PASS
		VN	50	1.12	0.000652	± 2.5	PASS
	MCH	VN	-30	0.46	0.000264	± 2.5	PASS
		VN	-20	-0.24	-0.000138	± 2.5	PASS
		VN	-10	-1.36	-0.000779	± 2.5	PASS
		VN	0	-0.25	-0.000143	± 2.5	PASS
		VN	10	2.05	0.001175	± 2.5	PASS
		VN	20	2.08	0.001192	± 2.5	PASS
		VN	30	0.21	0.000120	± 2.5	PASS
		VN	40	2.07	0.001186	± 2.5	PASS
		VN	50	4.9	0.002808	± 2.5	PASS
	HCH	VN	-30	-1.42	-0.000800	± 2.5	PASS
		VN	-20	2.96	0.001668	± 2.5	PASS
		VN	-10	0.22	0.000124	± 2.5	PASS
		VN	0	0.44	0.000248	± 2.5	PASS
		VN	10	3.15	0.001775	± 2.5	PASS
		VN	20	3.53	0.001989	± 2.5	PASS
		VN	30	4.54	0.002558	± 2.5	PASS
		VN	40	2.9	0.001634	± 2.5	PASS
		VN	50	-1.91	-0.001076	± 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	3.44	0.002000	± 2.5	PASS
		VN	TN	-1.77	-0.001029	± 2.5	PASS
		VH	TN	-1.38	-0.000802	± 2.5	PASS
	MCH	VL	TN	2.48	0.001421	± 2.5	PASS
		VN	TN	4.89	0.002802	± 2.5	PASS
		VH	TN	1.5	0.000860	± 2.5	PASS
	HCH	VL	TN	-1.83	-0.001032	± 2.5	PASS
		VN	TN	2.36	0.001331	± 2.5	PASS
		VH	TN	4.43	0.002499	± 2.5	PASS
16QAM	LCH	VL	TN	4.15	0.002413	± 2.5	PASS
		VN	TN	1.01	0.000587	± 2.5	PASS
		VH	TN	4.67	0.002715	± 2.5	PASS
	MCH	VL	TN	1.73	0.000991	± 2.5	PASS
		VN	TN	-0.26	-0.000149	± 2.5	PASS
		VH	TN	-1.17	-0.000670	± 2.5	PASS
	HCH	VL	TN	-1.72	-0.000970	± 2.5	PASS
		VN	TN	-1.8	-0.001016	± 2.5	PASS
		VH	TN	0.57	0.000322	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.05	-0.000029	± 2.5	PASS
		VN	-20	-0.01	-0.000006	± 2.5	PASS
		VN	-10	-0.24	-0.000140	± 2.5	PASS
		VN	0	2.6	0.001512	± 2.5	PASS
		VN	10	1.25	0.000727	± 2.5	PASS
		VN	20	0.66	0.000384	± 2.5	PASS
		VN	30	-0.14	-0.000081	± 2.5	PASS
		VN	40	2.52	0.001465	± 2.5	PASS
		VN	50	-1.63	-0.000948	± 2.5	PASS
	MCH	VN	-30	-0.06	-0.000034	± 2.5	PASS
		VN	-20	3.88	0.002223	± 2.5	PASS
		VN	-10	-0.14	-0.000080	± 2.5	PASS
		VN	0	2.21	0.001266	± 2.5	PASS
		VN	10	-1.81	-0.001037	± 2.5	PASS
		VN	20	0.52	0.000298	± 2.5	PASS

		VN	30	-0.58	-0.000332	± 2.5	PASS
		VN	40	0.46	0.000264	± 2.5	PASS
		VN	50	-0.65	-0.000372	± 2.5	PASS
	HCH	VN	-30	1.89	0.001066	± 2.5	PASS
		VN	-20	3.27	0.001845	± 2.5	PASS
		VN	-10	0.77	0.000434	± 2.5	PASS
		VN	0	0.12	0.000068	± 2.5	PASS
		VN	10	4.06	0.002291	± 2.5	PASS
		VN	20	-1.78	-0.001004	± 2.5	PASS
		VN	30	0.9	0.000508	± 2.5	PASS
		VN	40	4.05	0.002285	± 2.5	PASS
		VN	50	3.93	0.002217	± 2.5	PASS
QPSK	LCH	VN	-30	2.84	0.001651	± 2.5	PASS
		VN	-20	1.95	0.001134	± 2.5	PASS
		VN	-10	1.28	0.000744	± 2.5	PASS
		VN	0	-1.51	-0.000878	± 2.5	PASS
		VN	10	2	0.001163	± 2.5	PASS
		VN	20	-1.69	-0.000983	± 2.5	PASS
		VN	30	-1	-0.000581	± 2.5	PASS
		VN	40	1.92	0.001116	± 2.5	PASS
		VN	50	0.93	0.000541	± 2.5	PASS
	MCH	VN	-30	-0.03	-0.000017	± 2.5	PASS
		VN	-20	-1.41	-0.000808	± 2.5	PASS
		VN	-10	-0.81	-0.000464	± 2.5	PASS
		VN	0	-0.12	-0.000069	± 2.5	PASS
		VN	10	2.4	0.001375	± 2.5	PASS
		VN	20	4.24	0.002430	± 2.5	PASS
		VN	30	4.62	0.002648	± 2.5	PASS
		VN	40	4.6	0.002636	± 2.5	PASS
		VN	50	3.21	0.001840	± 2.5	PASS
	HCH	VN	-30	0.69	0.000389	± 2.5	PASS
		VN	-20	4.12	0.002324	± 2.5	PASS
		VN	-10	3.01	0.001698	± 2.5	PASS
		VN	0	2.74	0.001546	± 2.5	PASS
		VN	10	-1.09	-0.000615	± 2.5	PASS
		VN	20	-1.14	-0.000643	± 2.5	PASS
		VN	30	1.63	0.000920	± 2.5	PASS
		VN	40	-1.62	-0.000914	± 2.5	PASS
		VN	50	0.95	0.000536	± 2.5	PASS