



Band25_20MHz_16QAM_26590_1RB#0



Band25_20MHz_16QAM_26590_1RB#0



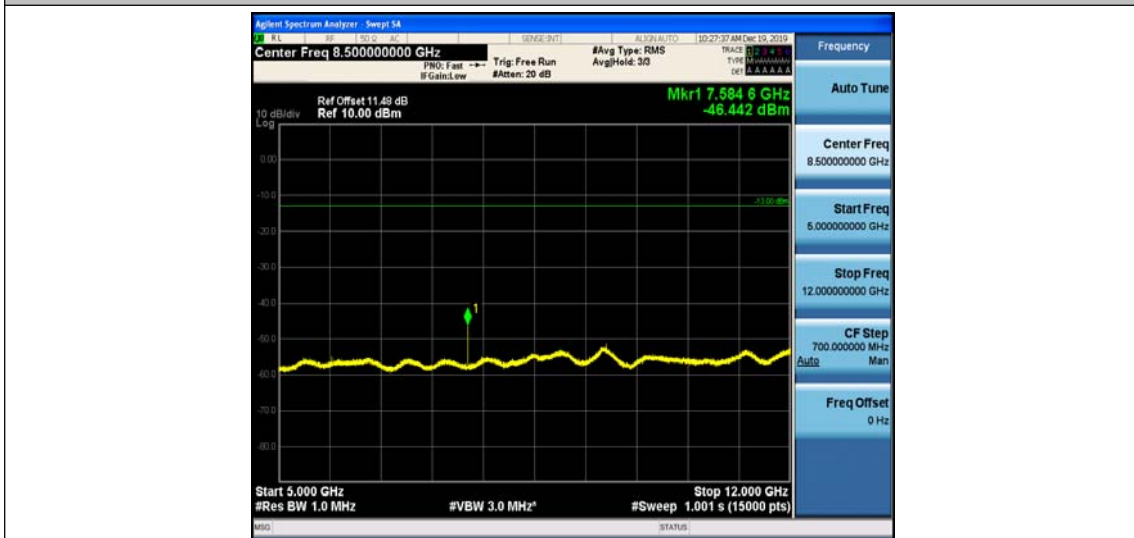
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Appendix F: Frequency Stability

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	4.42	0.002388	± 2.5	PASS
		VN	TN	-0.6	-0.000324	± 2.5	PASS
		VH	TN	-1.09	-0.000589	± 2.5	PASS
	MCH	VL	TN	4.74	0.002518	± 2.5	PASS
		VN	TN	0.77	0.000409	± 2.5	PASS
		VH	TN	-0.94	-0.000499	± 2.5	PASS
	HCH	VL	TN	3.09	0.001614	± 2.5	PASS
		VN	TN	4.89	0.002554	± 2.5	PASS
		VH	TN	2.78	0.001452	± 2.5	PASS
16QAM	LCH	VL	TN	-1.83	-0.000989	± 2.5	PASS
		VN	TN	1.67	0.000902	± 2.5	PASS
		VH	TN	-1.66	-0.000897	± 2.5	PASS
	MCH	VL	TN	4.26	0.002263	± 2.5	PASS
		VN	TN	-0.49	-0.000260	± 2.5	PASS
		VH	TN	4.24	0.002252	± 2.5	PASS
	HCH	VL	TN	-0.96	-0.000503	± 2.5	PASS
		VN	TN	-0.5	-0.000262	± 2.5	PASS
		VH	TN	3.92	0.002053	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.63	-0.000881	± 2.5	PASS
		VN	-20	2.09	0.001129	± 2.5	PASS
		VN	-10	-1.18	-0.000638	± 2.5	PASS
		VN	0	0.22	0.000119	± 2.5	PASS
		VN	10	1.48	0.000800	± 2.5	PASS
		VN	20	-1.97	-0.001064	± 2.5	PASS
		VN	30	2.22	0.001200	± 2.5	PASS
		VN	40	3.81	0.002059	± 2.5	PASS
	MCH	VN	-30	0.11	0.000058	± 2.5	PASS
		VN	-20	-0.07	-0.000037	± 2.5	PASS

		VN	-10	-1.67	-0.000887	± 2.5	PASS	
		VN	0	4.6	0.002444	± 2.5	PASS	
		VN	10	3.65	0.001939	± 2.5	PASS	
		VN	20	3.33	0.001769	± 2.5	PASS	
		VN	30	4.13	0.002194	± 2.5	PASS	
		VN	40	0.64	0.000340	± 2.5	PASS	
		VN	50	4.36	0.002316	± 2.5	PASS	
	HCH	VN	-30	1.93	0.001008	± 2.5	PASS	
		VN	-20	0.88	0.000460	± 2.5	PASS	
		VN	-10	1.14	0.000596	± 2.5	PASS	
		VN	0	1.16	0.000606	± 2.5	PASS	
		VN	10	-1.21	-0.000632	± 2.5	PASS	
		VN	20	1.91	0.000998	± 2.5	PASS	
		VN	30	1.09	0.000569	± 2.5	PASS	
	16QAM	LCH	VN	40	0.68	0.000355	± 2.5	PASS
			VN	50	-0.38	-0.000199	± 2.5	PASS
			VN	-30	2.87	0.001551	± 2.5	PASS
			VN	-20	3.77	0.002037	± 2.5	PASS
VN			-10	-0.35	-0.000189	± 2.5	PASS	
VN			0	0.6	0.000324	± 2.5	PASS	
VN			10	0.62	0.000335	± 2.5	PASS	
VN			20	0.13	0.000070	± 2.5	PASS	
VN			30	1.9	0.001027	± 2.5	PASS	
MCH		VN	40	1.48	0.000800	± 2.5	PASS	
		VN	50	-0.78	-0.000421	± 2.5	PASS	
		VN	-30	-0.74	-0.000393	± 2.5	PASS	
		VN	-20	-0.87	-0.000462	± 2.5	PASS	
		VN	-10	3.44	0.001827	± 2.5	PASS	
		VN	0	3.37	0.001790	± 2.5	PASS	
		VN	10	-1.76	-0.000935	± 2.5	PASS	
		VN	20	0.54	0.000287	± 2.5	PASS	
		VN	30	1.11	0.000590	± 2.5	PASS	
HCH	VN	40	3.99	0.002120	± 2.5	PASS		
	VN	50	3.51	0.001865	± 2.5	PASS		
	VN	-30	4.53	0.002366	± 2.5	PASS		
	VN	-20	2.36	0.001233	± 2.5	PASS		
	VN	-10	-1.97	-0.001029	± 2.5	PASS		
	VN	0	3.25	0.001698	± 2.5	PASS		
	VN	10	4.67	0.002440	± 2.5	PASS		
	VN	20	-1.49	-0.000778	± 2.5	PASS		
	VN	30	3.21	0.001677	± 2.5	PASS		

		VN	40	4.98	0.002601	± 2.5	PASS
		VN	50	-0.47	-0.000246	± 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	4.05	0.002187	± 2.5	PASS
		VN	TN	4.24	0.002290	± 2.5	PASS
		VH	TN	3.71	0.002004	± 2.5	PASS
	MCH	VL	TN	1.45	0.000770	± 2.5	PASS
		VN	TN	3.29	0.001748	± 2.5	PASS
		VH	TN	2.11	0.001121	± 2.5	PASS
	HCH	VL	TN	-1.6	-0.000836	± 2.5	PASS
		VN	TN	4.14	0.002164	± 2.5	PASS
		VH	TN	0.53	0.000277	± 2.5	PASS
16QAM	LCH	VL	TN	0.94	0.000508	± 2.5	PASS
		VN	TN	1.72	0.000929	± 2.5	PASS
		VH	TN	-0.79	-0.000427	± 2.5	PASS
	MCH	VL	TN	-0.11	-0.000058	± 2.5	PASS
		VN	TN	1.79	0.000951	± 2.5	PASS
		VH	TN	3.57	0.001896	± 2.5	PASS
	HCH	VL	TN	1.94	0.001014	± 2.5	PASS
		VN	TN	-0.98	-0.000512	± 2.5	PASS
		VH	TN	-1.32	-0.000690	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.88	0.001555	± 2.5	PASS
		VN	-20	-1.85	-0.000999	± 2.5	PASS
		VN	-10	-0.57	-0.000308	± 2.5	PASS
		VN	0	4.95	0.002674	± 2.5	PASS
		VN	10	4.81	0.002598	± 2.5	PASS
		VN	20	1	0.000540	± 2.5	PASS
		VN	30	1.79	0.000967	± 2.5	PASS
		VN	40	4.24	0.002290	± 2.5	PASS
		VN	50	0.29	0.000157	± 2.5	PASS
	MCH	VN	-30	4.04	0.002146	± 2.5	PASS
		VN	-20	0.8	0.000425	± 2.5	PASS
		VN	-10	-0.88	-0.000467	± 2.5	PASS

	VN	0	4.01	0.002130	± 2.5	PASS			
		VN	10	0.13	0.000069	± 2.5	PASS		
		VN	20	0.82	0.000436	± 2.5	PASS		
		VN	30	3.21	0.001705	± 2.5	PASS		
		VN	40	-1.75	-0.000930	± 2.5	PASS		
		VN	50	0.03	0.000016	± 2.5	PASS		
	HCH	VN	-30	3.97	0.002075	± 2.5	PASS		
		VN	-20	1.35	0.000706	± 2.5	PASS		
		VN	-10	-1.5	-0.000784	± 2.5	PASS		
		VN	0	-0.11	-0.000057	± 2.5	PASS		
		VN	10	2.01	0.001050	± 2.5	PASS		
		VN	20	-0.85	-0.000444	± 2.5	PASS		
		VN	30	0.34	0.000178	± 2.5	PASS		
		VN	40	2.5	0.001307	± 2.5	PASS		
		VN	50	0.94	0.000491	± 2.5	PASS		
		16QAM	LCH	VN	-30	4.59	0.002479	± 2.5	PASS
				VN	-20	3.24	0.001750	± 2.5	PASS
				VN	-10	2.46	0.001329	± 2.5	PASS
VN	0			3.37	0.001820	± 2.5	PASS		
VN	10			0.5	0.000270	± 2.5	PASS		
VN	20			3.52	0.001901	± 2.5	PASS		
VN	30			0.87	0.000470	± 2.5	PASS		
VN	40			3.07	0.001658	± 2.5	PASS		
VN	50			1.05	0.000567	± 2.5	PASS		
MCH	VN		-30	1.49	0.000792	± 2.5	PASS		
	VN		-20	1.88	0.000999	± 2.5	PASS		
	VN		-10	-0.55	-0.000292	± 2.5	PASS		
	VN		0	3.84	0.002040	± 2.5	PASS		
	VN		10	2.57	0.001365	± 2.5	PASS		
	VN		20	3.42	0.001817	± 2.5	PASS		
	VN		30	1.47	0.000781	± 2.5	PASS		
	VN		40	0.02	0.000011	± 2.5	PASS		
	VN		50	3.66	0.001944	± 2.5	PASS		
HCH	VN		-30	-0.88	-0.000460	± 2.5	PASS		
	VN		-20	4.96	0.002592	± 2.5	PASS		
	VN		-10	1.74	0.000909	± 2.5	PASS		
	VN		0	1.9	0.000993	± 2.5	PASS		
	VN		10	-0.94	-0.000491	± 2.5	PASS		
	VN		20	-0.13	-0.000068	± 2.5	PASS		
	VN		30	2.5	0.001307	± 2.5	PASS		
	VN		40	3.68	0.001923	± 2.5	PASS		

		VN	50	1.75	0.000915	± 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	0.83	0.000448	± 2.5	PASS
		VN	TN	1.73	0.000934	± 2.5	PASS
		VH	TN	2.05	0.001107	± 2.5	PASS
	MCH	VL	TN	0.42	0.000223	± 2.5	PASS
		VN	TN	4.62	0.002454	± 2.5	PASS
		VH	TN	1.74	0.000924	± 2.5	PASS
	HCH	VL	TN	0.3	0.000157	± 2.5	PASS
		VN	TN	-0.59	-0.000308	± 2.5	PASS
		VH	TN	0.69	0.000361	± 2.5	PASS
16QAM	LCH	VL	TN	3.31	0.001787	± 2.5	PASS
		VN	TN	0.6	0.000324	± 2.5	PASS
		VH	TN	0.96	0.000518	± 2.5	PASS
	MCH	VL	TN	-0.3	-0.000159	± 2.5	PASS
		VN	TN	-1.1	-0.000584	± 2.5	PASS
		VH	TN	0.93	0.000494	± 2.5	PASS
	HCH	VL	TN	4.43	0.002316	± 2.5	PASS
		VN	TN	1.33	0.000695	± 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	3.86	0.002084	± 2.5	PASS
		VN	-20	-0.97	-0.000524	± 2.5	PASS
		VN	-10	-1.13	-0.000610	± 2.5	PASS
		VN	0	-1.9	-0.001026	± 2.5	PASS
		VN	10	3.77	0.002035	± 2.5	PASS
		VN	20	3.34	0.001803	± 2.5	PASS
		VN	30	4.18	0.002256	± 2.5	PASS
		VN	40	2.41	0.001301	± 2.5	PASS
		VN	50	1.54	0.000831	± 2.5	PASS
	MCH	VN	-30	-1.43	-0.000760	± 2.5	PASS
		VN	-20	2.27	0.001206	± 2.5	PASS
		VN	-10	4.2	0.002231	± 2.5	PASS
		VN	0	4.14	0.002199	± 2.5	PASS

		VN	10	1.38	0.000733	± 2.5	PASS
		VN	20	-1.03	-0.000547	± 2.5	PASS
		VN	30	0.84	0.000446	± 2.5	PASS
		VN	40	-1.7	-0.000903	± 2.5	PASS
		VN	50	1.61	0.000855	± 2.5	PASS
	HCH	VN	-30	3.51	0.001835	± 2.5	PASS
		VN	-20	4.2	0.002196	± 2.5	PASS
		VN	-10	1.24	0.000648	± 2.5	PASS
		VN	0	-0.05	-0.000026	± 2.5	PASS
		VN	10	4.93	0.002578	± 2.5	PASS
		VN	20	-0.48	-0.000251	± 2.5	PASS
		VN	30	-0.46	-0.000241	± 2.5	PASS
		VN	40	3.39	0.001773	± 2.5	PASS
		VN	50	4.81	0.002515	± 2.5	PASS
		16QAM	LCH	VN	-30	2.27	0.001225
VN	-20			-0.47	-0.000254	± 2.5	PASS
VN	-10			1.71	0.000923	± 2.5	PASS
VN	0			2.64	0.001425	± 2.5	PASS
VN	10			2.97	0.001603	± 2.5	PASS
VN	20			-0.44	-0.000238	± 2.5	PASS
VN	30			0.11	0.000059	± 2.5	PASS
VN	40			4.34	0.002343	± 2.5	PASS
VN	50			-1.3	-0.000702	± 2.5	PASS
MCH	VN		-30	-0.7	-0.000372	± 2.5	PASS
	VN		-20	1.31	0.000696	± 2.5	PASS
	VN		-10	3.96	0.002104	± 2.5	PASS
	VN		0	-1.59	-0.000845	± 2.5	PASS
	VN		10	1.26	0.000669	± 2.5	PASS
	VN		20	3.01	0.001599	± 2.5	PASS
	VN		30	-0.63	-0.000335	± 2.5	PASS
	VN		40	2.79	0.001482	± 2.5	PASS
	VN		50	1.46	0.000776	± 2.5	PASS
HCH	VN		-30	-1.6	-0.000837	± 2.5	PASS
	VN		-20	4.6	0.002405	± 2.5	PASS
	VN	-10	2.4	0.001255	± 2.5	PASS	
	VN	0	4.27	0.002233	± 2.5	PASS	
	VN	10	2.94	0.001537	± 2.5	PASS	
	VN	20	-1.5	-0.000784	± 2.5	PASS	
	VN	30	1.88	0.000983	± 2.5	PASS	
	VN	40	3.22	0.001684	± 2.5	PASS	
	VN	50	3.35	0.001752	± 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	1.69	0.000911	± 2.5	PASS
		VN	TN	4.63	0.002496	± 2.5	PASS
		VH	TN	4.91	0.002647	± 2.5	PASS
	MCH	VL	TN	3.33	0.001769	± 2.5	PASS
		VN	TN	4.16	0.002210	± 2.5	PASS
		VH	TN	3.41	0.001811	± 2.5	PASS
	HCH	VL	TN	4.48	0.002346	± 2.5	PASS
		VN	TN	1.67	0.000874	± 2.5	PASS
		VH	TN	-0.36	-0.000188	± 2.5	PASS
16QAM	LCH	VL	TN	-0.83	-0.000447	± 2.5	PASS
		VN	TN	-0.2	-0.000108	± 2.5	PASS
		VH	TN	0.96	0.000518	± 2.5	PASS
	MCH	VL	TN	0.33	0.000175	± 2.5	PASS
		VN	TN	4.51	0.002396	± 2.5	PASS
		VH	TN	2.92	0.001551	± 2.5	PASS
	HCH	VL	TN	3.73	0.001953	± 2.5	PASS
		VN	TN	0.88	0.000461	± 2.5	PASS
		VH	TN	0.92	0.000482	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.07	-0.000577	± 2.5	PASS
		VN	-20	2.47	0.001332	± 2.5	PASS
		VN	-10	2.73	0.001472	± 2.5	PASS
		VN	0	-1.85	-0.000997	± 2.5	PASS
		VN	10	-0.08	-0.000043	± 2.5	PASS
		VN	20	1.93	0.001040	± 2.5	PASS
		VN	30	-0.05	-0.000027	± 2.5	PASS
		VN	40	-0.62	-0.000334	± 2.5	PASS
		VN	50	3.75	0.002022	± 2.5	PASS
	MCH	VN	-30	2.68	0.001424	± 2.5	PASS
		VN	-20	4.75	0.002523	± 2.5	PASS
		VN	-10	3.99	0.002120	± 2.5	PASS
		VN	0	2.77	0.001471	± 2.5	PASS
		VN	10	4.78	0.002539	± 2.5	PASS

		VN	20	-1.25	-0.000664	± 2.5	PASS
		VN	30	4.12	0.002189	± 2.5	PASS
		VN	40	-0.7	-0.000372	± 2.5	PASS
		VN	50	3.84	0.002040	± 2.5	PASS
	HCH	VN	-30	2.78	0.001455	± 2.5	PASS
		VN	-20	4.76	0.002492	± 2.5	PASS
		VN	-10	2.59	0.001356	± 2.5	PASS
		VN	0	-0.47	-0.000246	± 2.5	PASS
		VN	10	-0.67	-0.000351	± 2.5	PASS
		VN	20	3.82	0.002000	± 2.5	PASS
		VN	30	4.53	0.002372	± 2.5	PASS
		VN	40	-0.84	-0.000440	± 2.5	PASS
		VN	50	1.49	0.000780	± 2.5	PASS
		QPSK	LCH	VN	-30	1.14	0.000615
VN	-20			0.08	0.000043	± 2.5	PASS
VN	-10			-0.57	-0.000307	± 2.5	PASS
VN	0			1.15	0.000620	± 2.5	PASS
VN	10			-0.51	-0.000275	± 2.5	PASS
VN	20			1.95	0.001051	± 2.5	PASS
VN	30			0.98	0.000528	± 2.5	PASS
VN	40			-1.21	-0.000652	± 2.5	PASS
VN	50			-0.07	-0.000038	± 2.5	PASS
MCH	VN		-30	1.77	0.000940	± 2.5	PASS
	VN		-20	-0.29	-0.000154	± 2.5	PASS
	VN		-10	-1.86	-0.000988	± 2.5	PASS
	VN		0	3.84	0.002040	± 2.5	PASS
	VN		10	0.54	0.000287	± 2.5	PASS
	VN		20	2.35	0.001248	± 2.5	PASS
	VN		30	1.01	0.000537	± 2.5	PASS
	VN		40	0.42	0.000223	± 2.5	PASS
	VN		50	-1.91	-0.001015	± 2.5	PASS
HCH	VN		-30	2.64	0.001382	± 2.5	PASS
	VN		-20	3.03	0.001586	± 2.5	PASS
	VN		-10	2.95	0.001545	± 2.5	PASS
	VN		0	-0.56	-0.000293	± 2.5	PASS
	VN		10	1.33	0.000696	± 2.5	PASS
	VN		20	2.42	0.001267	± 2.5	PASS
	VN		30	-1.04	-0.000545	± 2.5	PASS
	VN		40	1.13	0.000592	± 2.5	PASS
	VN		50	-1.63	-0.000853	± 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	2.98	0.001604	± 2.5	PASS
		VN	TN	4.06	0.002186	± 2.5	PASS
		VH	TN	4.9	0.002638	± 2.5	PASS
	MCH	VL	TN	3.42	0.001817	± 2.5	PASS
		VN	TN	-1.15	-0.000611	± 2.5	PASS
		VH	TN	0.6	0.000319	± 2.5	PASS
	HCH	VL	TN	-0.77	-0.000404	± 2.5	PASS
		VN	TN	1.58	0.000828	± 2.5	PASS
		VH	TN	-1.32	-0.000692	± 2.5	PASS
16QAM	LCH	VL	TN	1.46	0.000786	± 2.5	PASS
		VN	TN	2.78	0.001497	± 2.5	PASS
		VH	TN	4.28	0.002304	± 2.5	PASS
	MCH	VL	TN	2.47	0.001312	± 2.5	PASS
		VN	TN	-0.34	-0.000181	± 2.5	PASS
		VH	TN	-1.39	-0.000738	± 2.5	PASS
	HCH	VL	TN	-0.05	-0.000026	± 2.5	PASS
		VN	TN	3.11	0.001630	± 2.5	PASS
		VH	TN	1.47	0.000771	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.86	-0.001001	± 2.5	PASS
		VN	-20	-1.17	-0.000630	± 2.5	PASS
		VN	-10	4.01	0.002159	± 2.5	PASS
		VN	0	0.7	0.000377	± 2.5	PASS
		VN	10	2.52	0.001357	± 2.5	PASS
		VN	20	0.57	0.000307	± 2.5	PASS
		VN	30	3.52	0.001895	± 2.5	PASS
		VN	40	1.97	0.001061	± 2.5	PASS
		VN	50	-1.07	-0.000576	± 2.5	PASS
	MCH	VN	-30	1.09	0.000579	± 2.5	PASS
		VN	-20	-0.46	-0.000244	± 2.5	PASS
		VN	-10	4.58	0.002433	± 2.5	PASS
		VN	0	2.86	0.001519	± 2.5	PASS
		VN	10	-0.19	-0.000101	± 2.5	PASS
		VN	20	0.49	0.000260	± 2.5	PASS

		VN	30	-0.04	-0.000021	± 2.5	PASS
		VN	40	-0.75	-0.000398	± 2.5	PASS
		VN	50	3.51	0.001865	± 2.5	PASS
	HCH	VN	-30	3.79	0.001987	± 2.5	PASS
		VN	-20	1.69	0.000886	± 2.5	PASS
		VN	-10	2.89	0.001515	± 2.5	PASS
		VN	0	4.36	0.002286	± 2.5	PASS
		VN	10	1.92	0.001007	± 2.5	PASS
		VN	20	-0.51	-0.000267	± 2.5	PASS
		VN	30	2.14	0.001122	± 2.5	PASS
		VN	40	2.48	0.001300	± 2.5	PASS
		VN	50	-0.55	-0.000288	± 2.5	PASS
16QAM	LCH	VN	-30	3.38	0.001820	± 2.5	PASS
		VN	-20	4.34	0.002336	± 2.5	PASS
		VN	-10	4.84	0.002606	± 2.5	PASS
		VN	0	0.44	0.000237	± 2.5	PASS
		VN	10	2.04	0.001098	± 2.5	PASS
		VN	20	2.17	0.001168	± 2.5	PASS
		VN	30	3.08	0.001658	± 2.5	PASS
		VN	40	0.03	0.000016	± 2.5	PASS
		VN	50	4.74	0.002552	± 2.5	PASS
	MCH	VN	-30	3.33	0.001769	± 2.5	PASS
		VN	-20	0.41	0.000218	± 2.5	PASS
		VN	-10	2.74	0.001456	± 2.5	PASS
		VN	0	4.63	0.002459	± 2.5	PASS
		VN	10	0.08	0.000042	± 2.5	PASS
		VN	20	4.73	0.002513	± 2.5	PASS
		VN	30	-1.63	-0.000866	± 2.5	PASS
		VN	40	1.75	0.000930	± 2.5	PASS
		VN	50	4.41	0.002343	± 2.5	PASS
	HCH	VN	-30	3.5	0.001835	± 2.5	PASS
		VN	-20	0.35	0.000183	± 2.5	PASS
		VN	-10	-1.52	-0.000797	± 2.5	PASS
		VN	0	-1.8	-0.000944	± 2.5	PASS
		VN	10	-1.15	-0.000603	± 2.5	PASS
		VN	20	4.49	0.002354	± 2.5	PASS
		VN	30	2.5	0.001311	± 2.5	PASS
		VN	40	-0.2	-0.000105	± 2.5	PASS
		VN	50	2.81	0.001473	± 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	0.88	0.000473	± 2.5	PASS
		VN	TN	0.02	0.000011	± 2.5	PASS
		VH	TN	2.12	0.001140	± 2.5	PASS
	MCH	VL	TN	2.23	0.001185	± 2.5	PASS
		VN	TN	0.48	0.000255	± 2.5	PASS
		VH	TN	4.26	0.002263	± 2.5	PASS
	HCH	VL	TN	4.9	0.002572	± 2.5	PASS
		VN	TN	-1.46	-0.000766	± 2.5	PASS
		VH	TN	-1.95	-0.001024	± 2.5	PASS
16QAM	LCH	VL	TN	3.76	0.002022	± 2.5	PASS
		VN	TN	-0.62	-0.000333	± 2.5	PASS
		VH	TN	3.59	0.001930	± 2.5	PASS
	MCH	VL	TN	4.93	0.002619	± 2.5	PASS
		VN	TN	2.55	0.001355	± 2.5	PASS
		VH	TN	0.36	0.000191	± 2.5	PASS
	HCH	VL	TN	0.08	0.000042	± 2.5	PASS
		VN	TN	-0.34	-0.000178	± 2.5	PASS
		VH	TN	0.12	0.000063	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.58	0.001925	± 2.5	PASS
		VN	-20	3	0.001613	± 2.5	PASS
		VN	-10	4.93	0.002651	± 2.5	PASS
		VN	0	2.08	0.001118	± 2.5	PASS
		VN	10	-0.79	-0.000425	± 2.5	PASS
		VN	20	4.57	0.002457	± 2.5	PASS
		VN	30	-1.05	-0.000565	± 2.5	PASS
		VN	40	-0.79	-0.000425	± 2.5	PASS
		VN	50	-0.73	-0.000392	± 2.5	PASS
	MCH	VN	-30	-0.13	-0.000069	± 2.5	PASS
		VN	-20	1.61	0.000856	± 2.5	PASS
		VN	-10	4.55	0.002420	± 2.5	PASS
		VN	0	2.97	0.001580	± 2.5	PASS
		VN	10	1.9	0.001011	± 2.5	PASS
		VN	20	3.05	0.001622	± 2.5	PASS

		VN	30	1.67	0.000888	± 2.5	PASS
		VN	40	2.96	0.001574	± 2.5	PASS
		VN	50	4.73	0.002516	± 2.5	PASS
	HCH	VN	-30	4.46	0.002341	± 2.5	PASS
		VN	-20	2.79	0.001465	± 2.5	PASS
		VN	-10	-1.34	-0.000703	± 2.5	PASS
		VN	0	3.39	0.001780	± 2.5	PASS
		VN	10	0.21	0.000110	± 2.5	PASS
		VN	20	2.38	0.001249	± 2.5	PASS
		VN	30	3.58	0.001879	± 2.5	PASS
		VN	40	2.84	0.001491	± 2.5	PASS
		VN	50	3.53	0.001853	± 2.5	PASS
		16QAM	LCH	VN	-30	2.32	0.001247
VN	-20			-1.83	-0.000984	± 2.5	PASS
VN	-10			1.85	0.000995	± 2.5	PASS
VN	0			4.5	0.002419	± 2.5	PASS
VN	10			-1.17	-0.000629	± 2.5	PASS
VN	20			-0.73	-0.000392	± 2.5	PASS
VN	30			-0.42	-0.000226	± 2.5	PASS
VN	40			4.95	0.002661	± 2.5	PASS
VN	50			0.88	0.000473	± 2.5	PASS
MCH	VN		-30	1.25	0.000664	± 2.5	PASS
	VN		-20	2.91	0.001546	± 2.5	PASS
	VN		-10	4.43	0.002353	± 2.5	PASS
	VN		0	4.38	0.002327	± 2.5	PASS
	VN		10	2.13	0.001131	± 2.5	PASS
	VN		20	1.38	0.000733	± 2.5	PASS
	VN		30	0.14	0.000074	± 2.5	PASS
	VN		40	-1.05	-0.000558	± 2.5	PASS
	VN		50	-0.6	-0.000319	± 2.5	PASS
HCH	VN		-30	-1.96	-0.001029	± 2.5	PASS
	VN		-20	0.37	0.000194	± 2.5	PASS
	VN		-10	-1.15	-0.000604	± 2.5	PASS
	VN		0	-1.85	-0.000971	± 2.5	PASS
	VN		10	4.16	0.002184	± 2.5	PASS
	VN		20	4.81	0.002525	± 2.5	PASS
	VN		30	2.53	0.001328	± 2.5	PASS
	VN		40	3.04	0.001596	± 2.5	PASS
	VN		50	4.5	0.002362	± 2.5	PASS