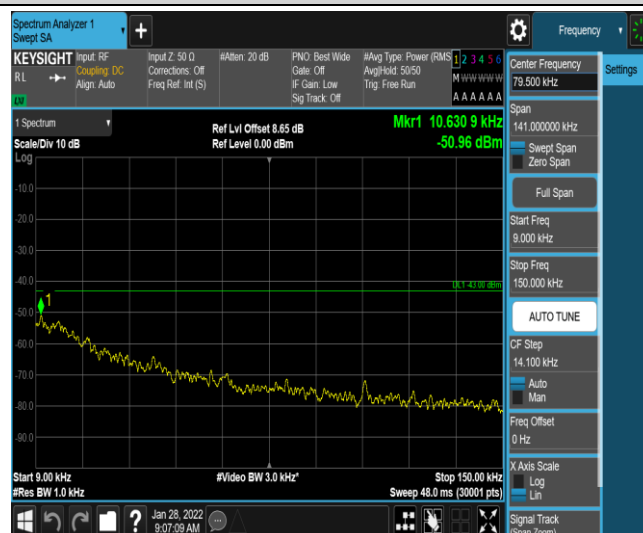




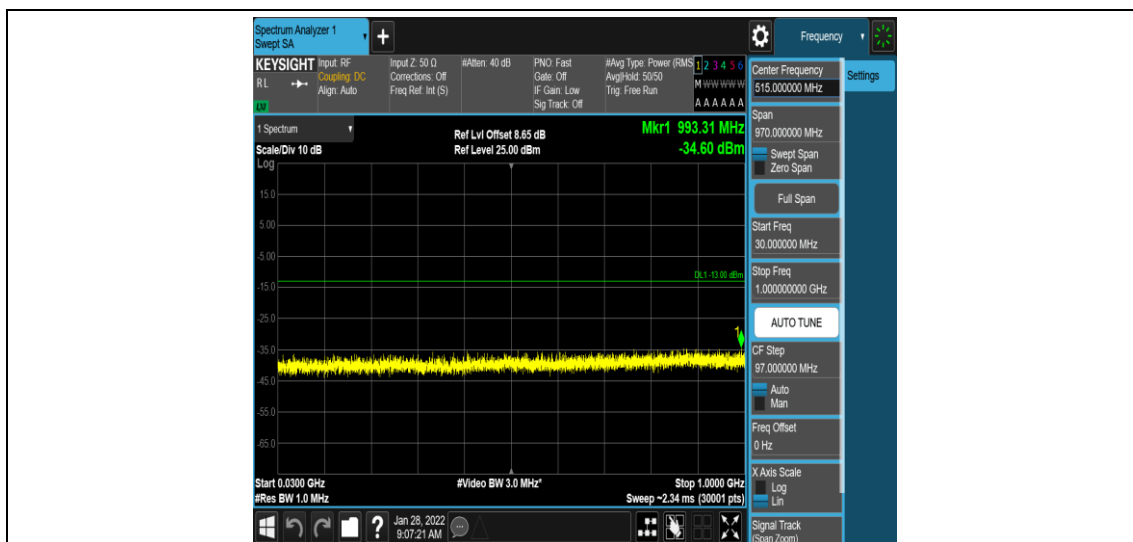
Band4-20MHz-QPSK-20175-1-0-Low-12000-26500--52.17-PASS



Band4-20MHz-QPSK-20300-1-0-High-0.009-0.15--50.96-PASS



Band4-20MHz-QPSK-20300-1-0-High-0.15-30--50.63-PASS



Band4-20MHz-QPSK-20300-1-0-High-30-1000--34.6-PASS



Band4-20MHz-QPSK-20300-1-0-High-1000-5000--36.48-PASS



Band4-20MHz-QPSK-20300-1-0-High-5000-12000--57.45-PASS



Band4-20MHz-QPSK-20300-1-0-High-12000-26500--52.1-PASS



Band4-20MHz-16QAM-20050-1-0-Low-0.009-0.15--52.76-PASS



Band4-20MHz-16QAM-20050-1-0-Low-0.15-30--52.21-PASS



Band4-20MHz-16QAM-20050-1-0-Low-30-1000--34.27-PASS



Band4-20MHz-16QAM-20050-1-0-Low-1000-5000--36.56-PASS



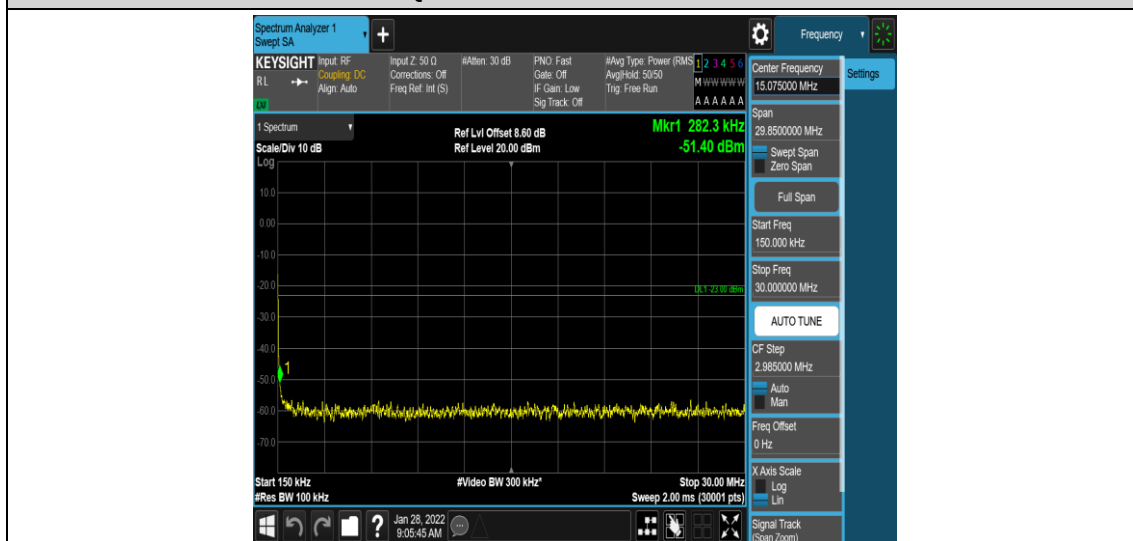
Band4-20MHz-16QAM-20050-1-0-Low-5000-12000--57.73-PASS



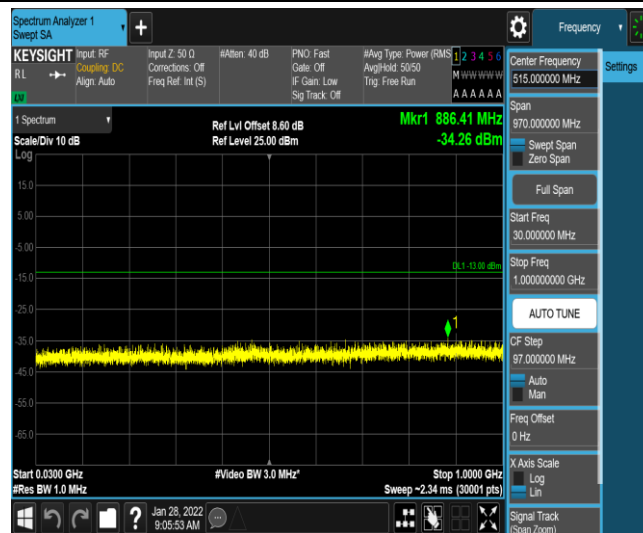
Band4-20MHz-16QAM-20050-1-0-Low-12000-26500--52.32-PASS



Band4-20MHz-16QAM-20175-1-0-Low-0.009-0.15--52.25-PASS



Band4-20MHz-16QAM-20175-1-0-Low-0.15-30--51.4-PASS



Band4-20MHz-16QAM-20175-1-0-Low-30-1000--34.26-PASS



Band4-20MHz-16QAM-20175-1-0-Low-1000-5000--36.45-PASS



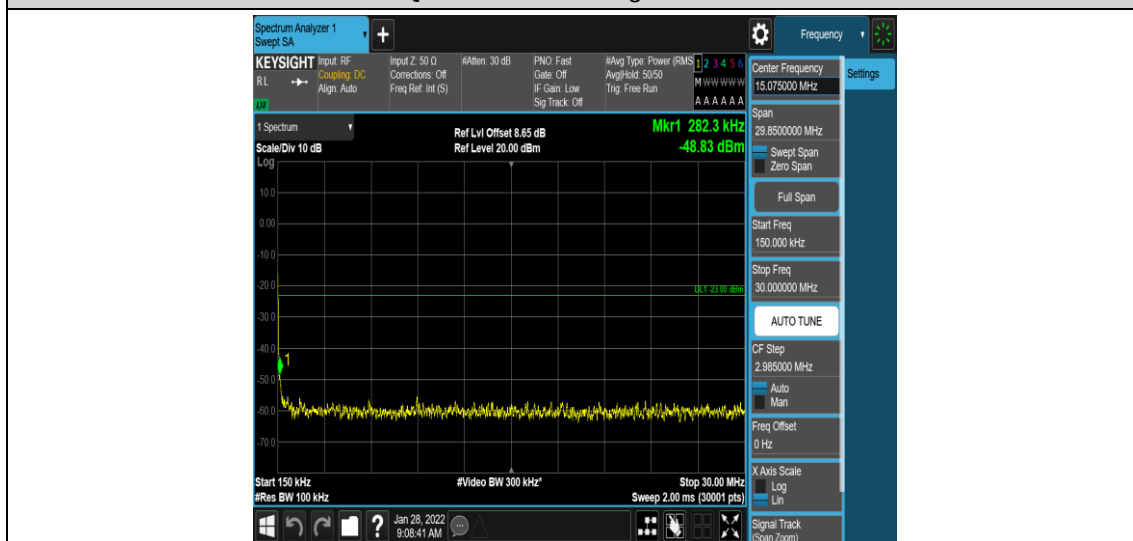
Band4-20MHz-16QAM-20175-1-0-Low-5000-12000--57.68-PASS



Band4-20MHz-16QAM-20175-1-0-Low-12000-26500--52.25-PASS



Band4-20MHz-16QAM-20300-1-0-High-0.009-0.15--53.15-PASS



Band4-20MHz-16QAM-20300-1-0-High-0.15-30--48.83-PASS



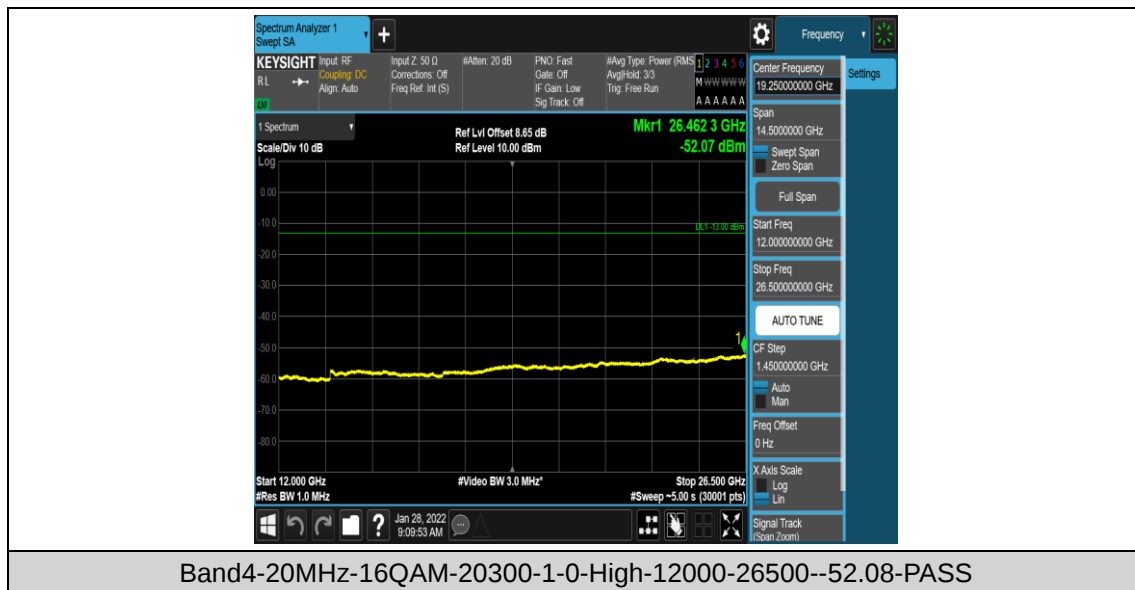
Band4-20MHz-16QAM-20300-1-0-High-30-1000--34.41-PASS



Band4-20MHz-16QAM-20300-1-0-High-1000-5000--36.31-PASS



Band4-20MHz-16QAM-20300-1-0-High-5000-12000--57.52-PASS



Appendix F: Frequency Stability for M1

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	3.46	0.002023	± 2.5	PASS
		VN	TN	3.51	0.002052	± 2.5	PASS
		VH	TN	-1.49	-0.000871	± 2.5	PASS
	MCH	VL	TN	4.86	0.002805	± 2.5	PASS
		VN	TN	0.9	0.000519	± 2.5	PASS
		VH	TN	-0.72	-0.000416	± 2.5	PASS
	HCH	VL	TN	-0.47	-0.000268	± 2.5	PASS
		VN	TN	1.95	0.001112	± 2.5	PASS
		VH	TN	3.6	0.002052	± 2.5	PASS
16QAM	LCH	VL	TN	-0.5	-0.000292	± 2.5	PASS
		VN	TN	0.53	0.000310	± 2.5	PASS
		VH	TN	1.33	0.000777	± 2.5	PASS
	MCH	VL	TN	-0.83	-0.000479	± 2.5	PASS
		VN	TN	2.38	0.001374	± 2.5	PASS
		VH	TN	3.3	0.001905	± 2.5	PASS
	HCH	VL	TN	0.18	0.000103	± 2.5	PASS
		VN	TN	-0.48	-0.000274	± 2.5	PASS
		VH	TN	-0.75	-0.000428	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.22	0.001298	± 2.5	PASS
		VN	-20	0.16	0.000094	± 2.5	PASS
		VN	-10	-0.19	-0.000111	± 2.5	PASS
		VN	0	-0.58	-0.000339	± 2.5	PASS
		VN	10	-0.87	-0.000509	± 2.5	PASS
		VN	20	0.32	0.000187	± 2.5	PASS
		VN	30	0.97	0.000567	± 2.5	PASS
		VN	40	1.35	0.000789	± 2.5	PASS
		VN	50	1.42	0.000830	± 2.5	PASS
	MCH	VN	-30	-1.15	-0.000664	± 2.5	PASS

		VN	-20	-1.95	-0.001126	± 2.5	PASS
		VN	-10	2.26	0.001304	± 2.5	PASS
		VN	0	1.26	0.000727	± 2.5	PASS
		VN	10	2.46	0.001420	± 2.5	PASS
		VN	20	0.63	0.000364	± 2.5	PASS
		VN	30	3.88	0.002240	± 2.5	PASS
		VN	40	4.21	0.002430	± 2.5	PASS
		VN	50	4.22	0.002436	± 2.5	PASS
	HCH	VN	-30	4.86	0.002770	± 2.5	PASS
		VN	-20	3.13	0.001784	± 2.5	PASS
		VN	-10	3.04	0.001733	± 2.5	PASS
		VN	0	0.5	0.000285	± 2.5	PASS
		VN	10	0.22	0.000125	± 2.5	PASS
		VN	20	4.71	0.002685	± 2.5	PASS
		VN	30	1.03	0.000587	± 2.5	PASS
		VN	40	1.58	0.000901	± 2.5	PASS
16QAM	LCH	VN	-30	1.88	0.001099	± 2.5	PASS
		VN	-20	2.58	0.001508	± 2.5	PASS
		VN	-10	-0.08	-0.000047	± 2.5	PASS
		VN	0	1.69	0.000988	± 2.5	PASS
		VN	10	-0.56	-0.000327	± 2.5	PASS
		VN	20	-0.96	-0.000561	± 2.5	PASS
		VN	30	4.43	0.002590	± 2.5	PASS
		VN	40	4.54	0.002654	± 2.5	PASS
		VN	50	-0.98	-0.000573	± 2.5	PASS
	MCH	VN	-30	0.23	0.000131	± 2.5	PASS
		VN	-20	-1.03	-0.000587	± 2.5	PASS
		VN	-10	1.87	0.001066	± 2.5	PASS
		VN	0	4.49	0.002559	± 2.5	PASS
		VN	10	4.34	0.002474	± 2.5	PASS
		VN	20	2.25	0.001283	± 2.5	PASS
		VN	30	0.55	0.000314	± 2.5	PASS
		VN	40	3.71	0.002115	± 2.5	PASS
		VN	50	1.52	0.000866	± 2.5	PASS
	HCH	VN	-30	0.42	0.000239	± 2.5	PASS
		VN	-20	-1.36	-0.000775	± 2.5	PASS
		VN	-10	3.01	0.001716	± 2.5	PASS
		VN	0	-0.07	-0.000040	± 2.5	PASS
		VN	10	-0.78	-0.000445	± 2.5	PASS
		VN	20	4.68	0.002668	± 2.5	PASS

		VN	30	2.76	0.001573	± 2.5	PASS
		VN	40	3.44	0.001961	± 2.5	PASS
		VN	50	1.38	0.000787	± 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	-0.84	-0.000491	± 2.5	PASS
		VN	TN	3.98	0.002325	± 2.5	PASS
		VH	TN	1.05	0.000613	± 2.5	PASS
	MCH	VL	TN	2.62	0.001512	± 2.5	PASS
		VN	TN	3.69	0.002130	± 2.5	PASS
		VH	TN	-1.11	-0.000641	± 2.5	PASS
	HCH	VL	TN	3.62	0.002064	± 2.5	PASS
		VN	TN	-0.79	-0.000451	± 2.5	PASS
		VH	TN	-1.35	-0.000770	± 2.5	PASS
16QAM	LCH	VL	TN	3.42	0.001998	± 2.5	PASS
		VN	TN	-1.22	-0.000713	± 2.5	PASS
		VH	TN	0.45	0.000263	± 2.5	PASS
	MCH	VL	TN	-0.36	-0.000208	± 2.5	PASS
		VN	TN	4.47	0.002580	± 2.5	PASS
		VH	TN	0.33	0.000190	± 2.5	PASS
	HCH	VL	TN	3.12	0.001779	± 2.5	PASS
		VN	TN	4.75	0.002709	± 2.5	PASS
		VH	TN	-1.46	-0.000833	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.42	0.001998	± 2.5	PASS
		VN	-20	2.57	0.001502	± 2.5	PASS
		VN	-10	-1.65	-0.000964	± 2.5	PASS
		VN	0	-1.69	-0.000987	± 2.5	PASS
		VN	10	1.14	0.000666	± 2.5	PASS
		VN	20	3.65	0.002133	± 2.5	PASS
		VN	30	0.51	0.000298	± 2.5	PASS
		VN	40	-1.12	-0.000654	± 2.5	PASS
		VN	50	-1.01	-0.000590	± 2.5	PASS
	MCH	VN	-30	4.87	0.002811	± 2.5	PASS
		VN	-20	2.47	0.001426	± 2.5	PASS

		VN	-10	0.42	0.000242	± 2.5	PASS
		VN	0	2.29	0.001322	± 2.5	PASS
		VN	10	3.43	0.001980	± 2.5	PASS
		VN	20	-0.62	-0.000358	± 2.5	PASS
		VN	30	0.11	0.000063	± 2.5	PASS
		VN	40	2.12	0.001224	± 2.5	PASS
		VN	50	-0.84	-0.000485	± 2.5	PASS
	HCH	VN	-30	0.16	0.000091	± 2.5	PASS
		VN	-20	3.36	0.001916	± 2.5	PASS
		VN	-10	3.57	0.002036	± 2.5	PASS
		VN	0	1.54	0.000878	± 2.5	PASS
		VN	10	0.63	0.000359	± 2.5	PASS
		VN	20	0.66	0.000376	± 2.5	PASS
		VN	30	-0.64	-0.000365	± 2.5	PASS
		VN	40	-1.96	-0.001118	± 2.5	PASS
		VN	50	2.35	0.001340	± 2.5	PASS
QPSK	LCH	VN	-30	3.23	0.001864	± 2.5	PASS
		VN	-20	2.5	0.001443	± 2.5	PASS
		VN	-10	3.99	0.002303	± 2.5	PASS
		VN	0	4.83	0.002788	± 2.5	PASS
		VN	10	2.18	0.001258	± 2.5	PASS
		VN	20	-0.01	-0.000006	± 2.5	PASS
		VN	30	1.21	0.000698	± 2.5	PASS
		VN	40	-0.71	-0.000410	± 2.5	PASS
		VN	50	4.95	0.002857	± 2.5	PASS
	MCH	VN	-30	-0.95	-0.000542	± 2.5	PASS
		VN	-20	0.32	0.000182	± 2.5	PASS
		VN	-10	0.49	0.000279	± 2.5	PASS
		VN	0	2.05	0.001169	± 2.5	PASS
		VN	10	3.81	0.002173	± 2.5	PASS
		VN	20	0.47	0.000268	± 2.5	PASS
		VN	30	0.17	0.000097	± 2.5	PASS
		VN	40	2.13	0.001215	± 2.5	PASS
		VN	50	0.94	0.000536	± 2.5	PASS
	HCH	VN	-30	1.22	0.000696	± 2.5	PASS
		VN	-20	3.1	0.001768	± 2.5	PASS
		VN	-10	-0.1	-0.000057	± 2.5	PASS
		VN	0	3.95	0.002253	± 2.5	PASS
		VN	10	4.2	0.002395	± 2.5	PASS
		VN	20	1.94	0.001106	± 2.5	PASS
		VN	30	4.37	0.002492	± 2.5	PASS

		VN	40	-0.72	-0.000411	± 2.5	PASS
		VN	50	4.85	0.002766	± 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	0.79	0.000461	± 2.5	PASS
		VN	TN	-1	-0.000584	± 2.5	PASS
		VH	TN	-0.15	-0.000088	± 2.5	PASS
	MCH	VL	TN	3.88	0.002240	± 2.5	PASS
		VN	TN	-0.21	-0.000121	± 2.5	PASS
		VH	TN	2.65	0.001530	± 2.5	PASS
	HCH	VL	TN	-1.97	-0.001124	± 2.5	PASS
		VN	TN	2.49	0.001421	± 2.5	PASS
		VH	TN	3.38	0.001929	± 2.5	PASS
16QAM	LCH	VL	TN	3.64	0.002126	± 2.5	PASS
		VN	TN	3.28	0.001915	± 2.5	PASS
		VH	TN	0.25	0.000146	± 2.5	PASS
	MCH	VL	TN	-1.25	-0.000722	± 2.5	PASS
		VN	TN	2.05	0.001183	± 2.5	PASS
		VH	TN	1.17	0.000675	± 2.5	PASS
	HCH	VL	TN	2.2	0.001255	± 2.5	PASS
		VN	TN	-1.45	-0.000827	± 2.5	PASS
		VH	TN	-0.59	-0.000337	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.5	0.002044	± 2.5	PASS
		VN	-20	3.95	0.002307	± 2.5	PASS
		VN	-10	-0.93	-0.000543	± 2.5	PASS
		VN	0	0.6	0.000350	± 2.5	PASS
		VN	10	-1.62	-0.000946	± 2.5	PASS
		VN	20	4.86	0.002838	± 2.5	PASS
		VN	30	2.58	0.001507	± 2.5	PASS
		VN	40	4.94	0.002885	± 2.5	PASS
		VN	50	-1.72	-0.001004	± 2.5	PASS
	MCH	VN	-30	0.33	0.000190	± 2.5	PASS
		VN	-20	2.32	0.001339	± 2.5	PASS
		VN	-10	1.46	0.000843	± 2.5	PASS

		VN	0	2.37	0.001368	± 2.5	PASS
		VN	10	4.27	0.002465	± 2.5	PASS
		VN	20	-0.62	-0.000358	± 2.5	PASS
		VN	30	4.62	0.002667	± 2.5	PASS
		VN	40	0.43	0.000248	± 2.5	PASS
		VN	50	3.88	0.002240	± 2.5	PASS
	HCH	VN	-30	2.26	0.001290	± 2.5	PASS
		VN	-20	-1.99	-0.001043	± 2.5	PASS
		VN	-10	4.99	0.002616	± 2.5	PASS
		VN	0	4.95	0.002595	± 2.5	PASS
		VN	10	4.44	0.002328	± 2.5	PASS
		VN	20	0.15	0.000079	± 2.5	PASS
		VN	30	4.55	0.002385	± 2.5	PASS
		VN	40	1.67	0.000875	± 2.5	PASS
		VN	50	-0.06	-0.000031	± 2.5	PASS
16QAM	LCH	VN	-30	4.47	0.002580	± 2.5	PASS
		VN	-20	1.2	0.000693	± 2.5	PASS
		VN	-10	1.83	0.001056	± 2.5	PASS
		VN	0	2.9	0.001674	± 2.5	PASS
		VN	10	2.74	0.001582	± 2.5	PASS
		VN	20	0.88	0.000508	± 2.5	PASS
		VN	30	3.04	0.001755	± 2.5	PASS
		VN	40	4.9	0.002828	± 2.5	PASS
		VN	50	3.22	0.001859	± 2.5	PASS
	MCH	VN	-30	4.39	0.002505	± 2.5	PASS
		VN	-20	-1.35	-0.000770	± 2.5	PASS
		VN	-10	1.21	0.000690	± 2.5	PASS
		VN	0	1.11	0.000633	± 2.5	PASS
		VN	10	3.99	0.002277	± 2.5	PASS
		VN	20	2.5	0.001427	± 2.5	PASS
		VN	30	-1.49	-0.000850	± 2.5	PASS
		VN	40	3.38	0.001929	± 2.5	PASS
		VN	50	-1.22	-0.000696	± 2.5	PASS
	HCH	VN	-30	-0.25	-0.000131	± 2.5	PASS
		VN	-20	1.11	0.000582	± 2.5	PASS
		VN	-10	-0.99	-0.000519	± 2.5	PASS
		VN	0	1.89	0.000991	± 2.5	PASS
		VN	10	4.92	0.002579	± 2.5	PASS
		VN	20	-0.58	-0.000304	± 2.5	PASS
		VN	30	0.65	0.000341	± 2.5	PASS
		VN	40	0.9	0.000472	± 2.5	PASS

		VN	50	4.51	0.002364	± 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	2.52	0.001469	± 2.5	PASS
		VN	TN	2.23	0.001300	± 2.5	PASS
		VH	TN	-1.39	-0.000810	± 2.5	PASS
	MCH	VL	TN	-1.87	-0.001079	± 2.5	PASS
		VN	TN	4.99	0.002880	± 2.5	PASS
		VH	TN	-1.93	-0.001114	± 2.5	PASS
	HCH	VL	TN	2.47	0.001411	± 2.5	PASS
		VN	TN	3.52	0.002011	± 2.5	PASS
		VH	TN	-0.89	-0.000509	± 2.5	PASS
16QAM	LCH	VL	TN	-1.43	-0.000834	± 2.5	PASS
		VN	TN	0.92	0.000536	± 2.5	PASS
		VH	TN	4.89	0.002851	± 2.5	PASS
	MCH	VL	TN	3.58	0.002066	± 2.5	PASS
		VN	TN	-1.38	-0.000797	± 2.5	PASS
		VH	TN	-0.95	-0.000548	± 2.5	PASS
	HCH	VL	TN	1.98	0.001131	± 2.5	PASS
		VN	TN	2.35	0.001343	± 2.5	PASS
		VH	TN	4.68	0.002674	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	1.46	0.000851	± 2.5	PASS
		VN	-20	-1.35	-0.000787	± 2.5	PASS
		VN	-10	0.83	0.000484	± 2.5	PASS
		VN	0	4.16	0.002426	± 2.5	PASS
		VN	10	4.71	0.002746	± 2.5	PASS
		VN	20	3.99	0.002327	± 2.5	PASS
		VN	30	2.41	0.001405	± 2.5	PASS
		VN	40	-1.24	-0.000723	± 2.5	PASS
		VN	50	0.88	0.000513	± 2.5	PASS
	MCH	VN	-30	2.57	0.001483	± 2.5	PASS
		VN	-20	2.46	0.001420	± 2.5	PASS
		VN	-10	3.82	0.002205	± 2.5	PASS
		VN	0	-0.27	-0.000156	± 2.5	PASS

		VN	10	2.24	0.001293	± 2.5	PASS
		VN	20	2.16	0.001247	± 2.5	PASS
		VN	30	2.56	0.001478	± 2.5	PASS
		VN	40	0.34	0.000196	± 2.5	PASS
		VN	50	3.78	0.002182	± 2.5	PASS
	HCH	VN	-30	2.14	0.001223	± 2.5	PASS
		VN	-20	0.67	0.000383	± 2.5	PASS
		VN	-10	2.1	0.001200	± 2.5	PASS
		VN	0	-0.95	-0.000543	± 2.5	PASS
		VN	10	4.91	0.002806	± 2.5	PASS
		VN	20	-1.79	-0.001023	± 2.5	PASS
		VN	30	-1.81	-0.001034	± 2.5	PASS
		VN	40	2.34	0.001337	± 2.5	PASS
		VN	50	4.81	0.002749	± 2.5	PASS
QPSK	LCH	VN	-30	0.87	0.000502	± 2.5	PASS
		VN	-20	4.78	0.002759	± 2.5	PASS
		VN	-10	-1.64	-0.000947	± 2.5	PASS
		VN	0	-0.49	-0.000283	± 2.5	PASS
		VN	10	2.65	0.001530	± 2.5	PASS
		VN	20	-1.08	-0.000623	± 2.5	PASS
		VN	30	-1.84	-0.001062	± 2.5	PASS
		VN	40	4.96	0.002863	± 2.5	PASS
		VN	50	3.63	0.002095	± 2.5	PASS
	MCH	VN	-30	4.59	0.002623	± 2.5	PASS
		VN	-20	3.13	0.001789	± 2.5	PASS
		VN	-10	-0.3	-0.000171	± 2.5	PASS
		VN	0	-0.94	-0.000537	± 2.5	PASS
		VN	10	2.23	0.001274	± 2.5	PASS
		VN	20	2.84	0.001623	± 2.5	PASS
		VN	30	-0.45	-0.000257	± 2.5	PASS
		VN	40	2.91	0.001663	± 2.5	PASS
		VN	50	4.95	0.002829	± 2.5	PASS
	HCH	VN	-30	-0.11	-0.000063	± 2.5	PASS
		VN	-20	2.28	0.001303	± 2.5	PASS
		VN	-10	3.59	0.002051	± 2.5	PASS
		VN	0	2.07	0.001183	± 2.5	PASS
		VN	10	1.55	0.000886	± 2.5	PASS
		VN	20	0.41	0.000234	± 2.5	PASS
		VN	30	-1.38	-0.000789	± 2.5	PASS
		VN	40	-1.82	-0.001040	± 2.5	PASS
		VN	50	4.75	0.002714	± 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	-1.57	-0.000914	± 2.5	PASS
		VN	TN	1.06	0.000617	± 2.5	PASS
		VH	TN	-1.65	-0.000961	± 2.5	PASS
	MCH	VL	TN	1.34	0.000773	± 2.5	PASS
		VN	TN	3.52	0.002032	± 2.5	PASS
		VH	TN	-1.45	-0.000837	± 2.5	PASS
	HCH	VL	TN	1.94	0.001110	± 2.5	PASS
		VN	TN	0.59	0.000338	± 2.5	PASS
		VH	TN	1.08	0.000618	± 2.5	PASS
16QAM	LCH	VL	TN	3.72	0.002166	± 2.5	PASS
		VN	TN	4.89	0.002847	± 2.5	PASS
		VH	TN	-1.45	-0.000844	± 2.5	PASS
	MCH	VL	TN	0.34	0.000196	± 2.5	PASS
		VN	TN	1.86	0.001074	± 2.5	PASS
		VH	TN	3.95	0.002280	± 2.5	PASS
	HCH	VL	TN	-0.48	-0.000275	± 2.5	PASS
		VN	TN	4.52	0.002587	± 2.5	PASS
		VH	TN	1.2	0.000687	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.8	0.000466	± 2.5	PASS
		VN	-20	1.39	0.000809	± 2.5	PASS
		VN	-10	1.7	0.000990	± 2.5	PASS
		VN	0	3.51	0.002044	± 2.5	PASS
		VN	10	4.93	0.002870	± 2.5	PASS
		VN	20	2.51	0.001461	± 2.5	PASS
		VN	30	-0.07	-0.000041	± 2.5	PASS
		VN	40	-0.39	-0.000227	± 2.5	PASS
		VN	50	2.26	0.001316	± 2.5	PASS
	MCH	VN	-30	0.3	0.000173	± 2.5	PASS
		VN	-20	2.43	0.001403	± 2.5	PASS
		VN	-10	-1.67	-0.000964	± 2.5	PASS
		VN	0	2.34	0.001351	± 2.5	PASS
		VN	10	2.18	0.001258	± 2.5	PASS

		VN	20	-0.89	-0.000514	± 2.5	PASS
		VN	30	2.64	0.001524	± 2.5	PASS
		VN	40	-1.5	-0.000866	± 2.5	PASS
		VN	50	-0.1	-0.000058	± 2.5	PASS
	HCH	VN	-30	0.08	0.000046	± 2.5	PASS
		VN	-20	3.05	0.001745	± 2.5	PASS
		VN	-10	4.44	0.002541	± 2.5	PASS
		VN	0	-0.16	-0.000092	± 2.5	PASS
		VN	10	1.25	0.000715	± 2.5	PASS
		VN	20	4.17	0.002386	± 2.5	PASS
		VN	30	0.59	0.000338	± 2.5	PASS
		VN	40	3.62	0.002072	± 2.5	PASS
		VN	50	1.47	0.000841	± 2.5	PASS
		VN	-30	0.24	0.000139	± 2.5	PASS
		VN	-20	4.35	0.002511	± 2.5	PASS
		VN	-10	4.02	0.002320	± 2.5	PASS
		VN	0	0.71	0.000410	± 2.5	PASS
		VN	10	-0.94	-0.000543	± 2.5	PASS
QPSK	LCH	VN	20	4.07	0.002349	± 2.5	PASS
		VN	30	1.6	0.000924	± 2.5	PASS
		VN	40	2.11	0.001218	± 2.5	PASS
		VN	50	1.16	0.000670	± 2.5	PASS
	MCH	VN	-30	1.63	0.000933	± 2.5	PASS
		VN	-20	1.04	0.000595	± 2.5	PASS
		VN	-10	2.05	0.001173	± 2.5	PASS
		VN	0	-1.29	-0.000738	± 2.5	PASS
		VN	10	0.84	0.000481	± 2.5	PASS
		VN	20	0.69	0.000395	± 2.5	PASS
		VN	30	-1.86	-0.001064	± 2.5	PASS
		VN	40	0.72	0.000412	± 2.5	PASS
		VN	50	0.73	0.000418	± 2.5	PASS
	HCH	VN	-30	1.97	0.001127	± 2.5	PASS
		VN	-20	2.82	0.001614	± 2.5	PASS
		VN	-10	0.63	0.000361	± 2.5	PASS
		VN	0	2.11	0.001207	± 2.5	PASS
		VN	10	-0.39	-0.000223	± 2.5	PASS
		VN	20	3.17	0.001814	± 2.5	PASS
		VN	30	-1.08	-0.000618	± 2.5	PASS
		VN	40	2.19	0.001253	± 2.5	PASS
		VN	50	4.59	0.002627	± 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	-1.01	-0.000587	± 2.5	PASS
		VN	TN	3.08	0.001791	± 2.5	PASS
		VH	TN	-0.96	-0.000558	± 2.5	PASS
	MCH	VL	TN	-1.05	-0.000606	± 2.5	PASS
		VN	TN	1.77	0.001022	± 2.5	PASS
		VH	TN	2.62	0.001512	± 2.5	PASS
	HCH	VL	TN	-0.4	-0.000229	± 2.5	PASS
		VN	TN	-1.19	-0.000682	± 2.5	PASS
		VH	TN	1.91	0.001095	± 2.5	PASS
16QAM	LCH	VL	TN	2.39	0.001390	± 2.5	PASS
		VN	TN	-0.58	-0.000337	± 2.5	PASS
		VH	TN	4.58	0.002663	± 2.5	PASS
	MCH	VL	TN	1.6	0.000924	± 2.5	PASS
		VN	TN	2.25	0.001299	± 2.5	PASS
		VH	TN	-0.64	-0.000369	± 2.5	PASS
	HCH	VL	TN	-0.64	-0.000367	± 2.5	PASS
		VN	TN	1.32	0.000756	± 2.5	PASS
		VH	TN	0.01	0.000006	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.44	0.002000	± 2.5	PASS
		VN	-20	1.85	0.001076	± 2.5	PASS
		VN	-10	1.69	0.000983	± 2.5	PASS
		VN	0	4.35	0.002529	± 2.5	PASS
		VN	10	0.43	0.000250	± 2.5	PASS
		VN	20	1.93	0.001122	± 2.5	PASS
		VN	30	-0.52	-0.000302	± 2.5	PASS
		VN	40	2.48	0.001442	± 2.5	PASS
		VN	50	2.17	0.001262	± 2.5	PASS
	MCH	VN	-30	1.06	0.000612	± 2.5	PASS
		VN	-20	4.18	0.002413	± 2.5	PASS
		VN	-10	-0.45	-0.000260	± 2.5	PASS
		VN	0	1.5	0.000866	± 2.5	PASS
		VN	10	-0.55	-0.000317	± 2.5	PASS
		VN	20	2.26	0.001304	± 2.5	PASS

		VN	30	2.69	0.001553	± 2.5	PASS
		VN	40	-0.99	-0.000571	± 2.5	PASS
		VN	50	-0.27	-0.000156	± 2.5	PASS
	HCH	VN	-30	4.85	0.002779	± 2.5	PASS
		VN	-20	-0.58	-0.000332	± 2.5	PASS
		VN	-10	2.21	0.001266	± 2.5	PASS
		VN	0	4.73	0.002711	± 2.5	PASS
		VN	10	4.9	0.002808	± 2.5	PASS
		VN	20	3.62	0.002074	± 2.5	PASS
		VN	30	1.49	0.000854	± 2.5	PASS
		VN	40	-0.31	-0.000178	± 2.5	PASS
		VN	50	-0.4	-0.000229	± 2.5	PASS
QPSK	LCH	VN	-30	3.81	0.002199	± 2.5	PASS
		VN	-20	3.88	0.002240	± 2.5	PASS
		VN	-10	3.7	0.002136	± 2.5	PASS
		VN	0	-1.54	-0.000889	± 2.5	PASS
		VN	10	3.8	0.002193	± 2.5	PASS
		VN	20	-1.7	-0.000981	± 2.5	PASS
		VN	30	1.4	0.000808	± 2.5	PASS
		VN	40	4.34	0.002505	± 2.5	PASS
		VN	50	0.83	0.000479	± 2.5	PASS
	MCH	VN	-30	-1.69	-0.000968	± 2.5	PASS
		VN	-20	2.41	0.001381	± 2.5	PASS
		VN	-10	4.79	0.002745	± 2.5	PASS
		VN	0	-1.34	-0.000768	± 2.5	PASS
		VN	10	-1.67	-0.000957	± 2.5	PASS
		VN	20	3.6	0.002063	± 2.5	PASS
		VN	30	-1.57	-0.000900	± 2.5	PASS
		VN	40	3.88	0.002223	± 2.5	PASS
		VN	50	0.17	0.000097	± 2.5	PASS
	HCH	VN	-30	3.53	0.002023	± 2.5	PASS
		VN	-20	-0.73	-0.000418	± 2.5	PASS
		VN	-10	1.03	0.000590	± 2.5	PASS
		VN	0	2.25	0.001289	± 2.5	PASS
		VN	10	-0.78	-0.000447	± 2.5	PASS
		VN	20	-1.7	-0.000974	± 2.5	PASS
		VN	30	2.53	0.001450	± 2.5	PASS
		VN	40	-0.27	-0.000155	± 2.5	PASS
		VN	50	2.28	0.001307	± 2.5	PASS