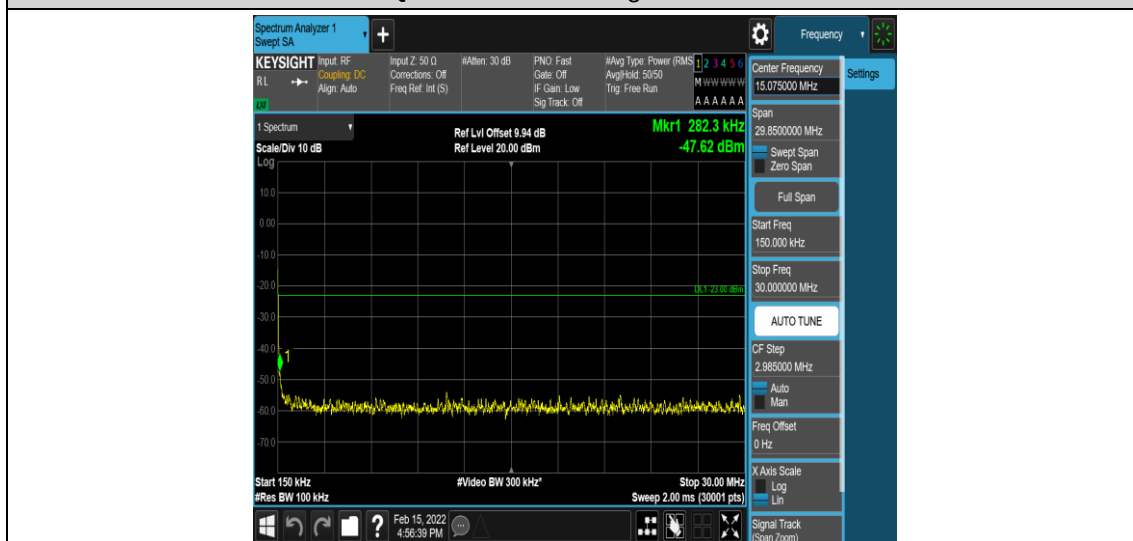




Band25-20MHz-QPSK-26365-1-0-Low-12000-26500--50.84-PASS



Band25-20MHz-QPSK-26590-1-0-High-0.009-0.15--51.04-PASS



Band25-20MHz-QPSK-26590-1-0-High-0.15-30--47.62-PASS



Band25-20MHz-QPSK-26590-1-0-High-30-1000--32.56-PASS



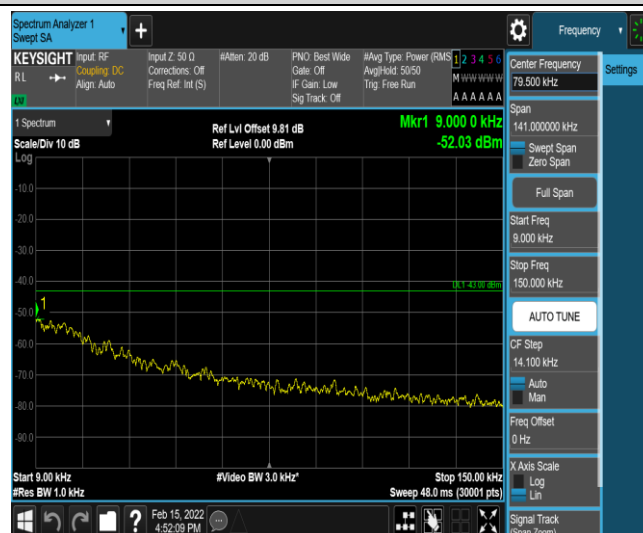
Band25-20MHz-QPSK-26590-1-0-High-1000-5000--34.91-PASS



Band25-20MHz-QPSK-26590-1-0-High-5000-12000--56.21-PASS



Band25-20MHz-QPSK-26590-1-0-High-12000-26500--50.69-PASS



Band25-20MHz-16QAM-26140-1-0-Low-0.009-0.15--52.03-PASS

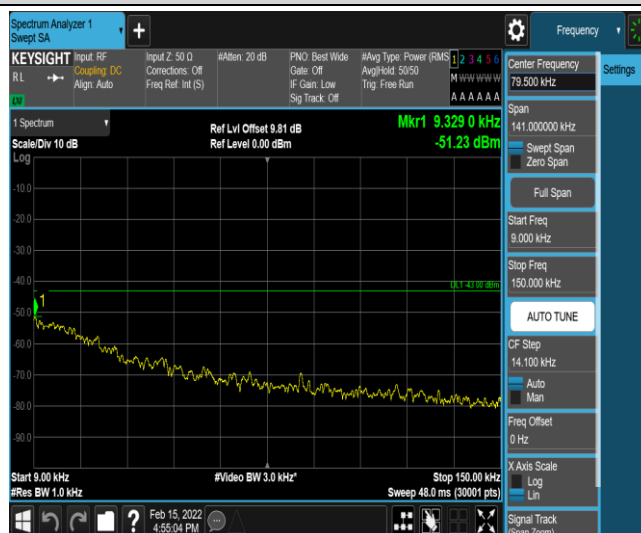


Band25-20MHz-16QAM-26140-1-0-Low-0.15-30--48.57-PASS





Band25-20MHz-16QAM-26140-1-0-Low-12000-26500--50.89-PASS



Band25-20MHz-16QAM-26365-1-0-Low-0.009-0.15--51.23-PASS



Band25-20MHz-16QAM-26365-1-0-Low-0.15-30--48.83-PASS



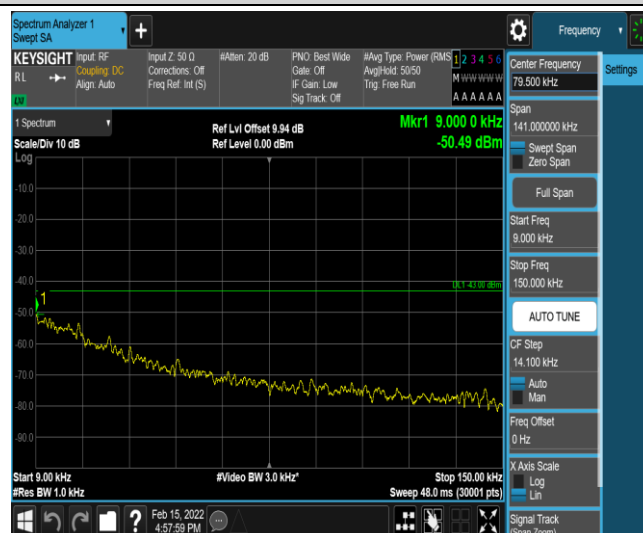
Band25-20MHz-16QAM-26365-1-0-Low-30-1000--31.68-PASS

Band25-20MHz-16QAM-26365-1-0-Low-1000-5000--35.31-PASS

Band25-20MHz-16QAM-26365-1-0-Low-5000-12000--56.43-PASS



Band25-20MHz-16QAM-26365-1-0-Low-12000-26500--51.03-PASS

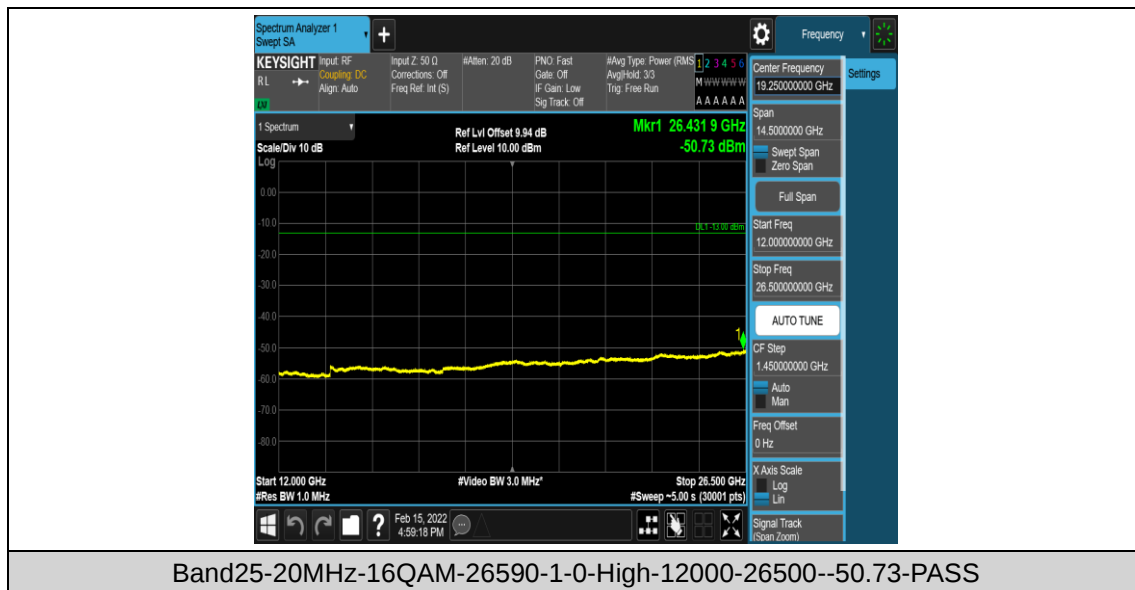


Band25-20MHz-16QAM-26590-1-0-High-0.009-0.15--50.49-PASS



Band25-20MHz-16QAM-26590-1-0-High-0.15-30--50.45-PASS





Appendix F: Frequency Stability for M1

Test Result

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.23	0.000124	± 2.5	PASS
		VN	TN	-0.7	-0.000378	± 2.5	PASS
		VH	TN	1.98	0.001070	± 2.5	PASS
	MCH	VL	TN	-1.15	-0.000611	± 2.5	PASS
		VN	TN	4.5	0.002390	± 2.5	PASS
		VH	TN	1.12	0.000595	± 2.5	PASS
	HCH	VL	TN	-1.44	-0.000752	± 2.5	PASS
		VN	TN	3.7	0.001933	± 2.5	PASS
		VH	TN	3.33	0.001740	± 2.5	PASS
16QAM	LCH	VL	TN	2.16	0.001167	± 2.5	PASS
		VN	TN	0.09	0.000049	± 2.5	PASS
		VH	TN	4.47	0.002415	± 2.5	PASS
	MCH	VL	TN	4.21	0.002236	± 2.5	PASS
		VN	TN	3.62	0.001923	± 2.5	PASS
		VH	TN	1.66	0.000882	± 2.5	PASS
	HCH	VL	TN	-0.8	-0.000419	± 2.5	PASS
		VN	TN	-0.25	-0.000131	± 2.5	PASS
		VH	TN	2.33	0.001220	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.42	0.001308	± 2.5	PASS
		VN	-20	0.97	0.000524	± 2.5	PASS
		VN	-10	4.37	0.002361	± 2.5	PASS
		VN	0	-1.72	-0.000929	± 2.5	PASS
		VN	10	1.37	0.000740	± 2.5	PASS
		VN	20	1.22	0.000659	± 2.5	PASS
		VN	30	-1.29	-0.000697	± 2.5	PASS
		VN	40	3.78	0.002042	± 2.5	PASS
		VN	50	-0.75	-0.000405	± 2.5	PASS
	MCH	VN	-30	-1.49	-0.000792	± 2.5	PASS
		VN	-20	3.9	0.002072	± 2.5	PASS
		VN	-10	1.46	0.000776	± 2.5	PASS

		VN	0	-0.37	-0.000197	± 2.5	PASS
		VN	10	1.37	0.000728	± 2.5	PASS
		VN	20	1.86	0.000988	± 2.5	PASS
		VN	30	-0.34	-0.000181	± 2.5	PASS
		VN	40	-1.11	-0.000590	± 2.5	PASS
		VN	50	4.41	0.002343	± 2.5	PASS
	HCH	VN	-30	-1.88	-0.000982	± 2.5	PASS
		VN	-20	0.3	0.000157	± 2.5	PASS
		VN	-10	0.22	0.000115	± 2.5	PASS
		VN	0	3.34	0.001745	± 2.5	PASS
		VN	10	3.7	0.001933	± 2.5	PASS
		VN	20	-0.42	-0.000219	± 2.5	PASS
		VN	30	-0.64	-0.000334	± 2.5	PASS
		VN	40	0.03	0.000016	± 2.5	PASS
		VN	50	0.78	0.000407	± 2.5	PASS
16QAM	LCH	VN	-30	-0.9	-0.000486	± 2.5	PASS
		VN	-20	1.73	0.000935	± 2.5	PASS
		VN	-10	3.48	0.001880	± 2.5	PASS
		VN	0	-1.05	-0.000567	± 2.5	PASS
		VN	10	3.66	0.001978	± 2.5	PASS
		VN	20	0.74	0.000400	± 2.5	PASS
		VN	30	-1.56	-0.000843	± 2.5	PASS
		VN	40	-1.89	-0.001021	± 2.5	PASS
		VN	50	0.31	0.000168	± 2.5	PASS
	MCH	VN	-30	1.61	0.000855	± 2.5	PASS
		VN	-20	-0.94	-0.000499	± 2.5	PASS
		VN	-10	-1.04	-0.000552	± 2.5	PASS
		VN	0	-1.02	-0.000542	± 2.5	PASS
		VN	10	2.67	0.001418	± 2.5	PASS
		VN	20	2.85	0.001514	± 2.5	PASS
		VN	30	3.08	0.001636	± 2.5	PASS
		VN	40	-0.52	-0.000276	± 2.5	PASS
		VN	50	-1.42	-0.000754	± 2.5	PASS
	HCH	VN	-30	-1.36	-0.000710	± 2.5	PASS
		VN	-20	0.04	0.000021	± 2.5	PASS
		VN	-10	1.45	0.000757	± 2.5	PASS
		VN	0	-1.42	-0.000742	± 2.5	PASS
		VN	10	-0.85	-0.000444	± 2.5	PASS
		VN	20	1.63	0.000851	± 2.5	PASS
		VN	30	2.25	0.001175	± 2.5	PASS
		VN	40	-1.26	-0.000658	± 2.5	PASS

		VN	50	-1.4	-0.000731	± 2.5	PASS
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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	4.87	0.002630	± 2.5	PASS
		VN	TN	3.73	0.002015	± 2.5	PASS
		VH	TN	-1.44	-0.000778	± 2.5	PASS
	MCH	VL	TN	1.91	0.001015	± 2.5	PASS
		VN	TN	2.22	0.001179	± 2.5	PASS
		VH	TN	2.44	0.001296	± 2.5	PASS
	HCH	VL	TN	2.67	0.001395	± 2.5	PASS
		VN	TN	3.06	0.001599	± 2.5	PASS
		VH	TN	-2	-0.001045	± 2.5	PASS
16QAM	LCH	VL	TN	3.38	0.001826	± 2.5	PASS
		VN	TN	2.81	0.001518	± 2.5	PASS
		VH	TN	0.37	0.000200	± 2.5	PASS
	MCH	VL	TN	0.27	0.000143	± 2.5	PASS
		VN	TN	1.86	0.000988	± 2.5	PASS
		VH	TN	-0.73	-0.000388	± 2.5	PASS
	HCH	VL	TN	2.9	0.001516	± 2.5	PASS
		VN	TN	-1.47	-0.000768	± 2.5	PASS
		VH	TN	1.67	0.000873	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.43	0.000772	± 2.5	PASS
		VN	-20	2.15	0.001161	± 2.5	PASS
		VN	-10	2.9	0.001566	± 2.5	PASS
		VN	0	1.16	0.000627	± 2.5	PASS
		VN	10	0.54	0.000292	± 2.5	PASS
		VN	20	3.37	0.001820	± 2.5	PASS
		VN	30	4.61	0.002490	± 2.5	PASS
		VN	40	3.73	0.002015	± 2.5	PASS
		VN	50	4.34	0.002344	± 2.5	PASS
	MCH	VN	-30	0.11	0.000058	± 2.5	PASS
		VN	-20	4.7	0.002497	± 2.5	PASS
		VN	-10	1.99	0.001057	± 2.5	PASS
		VN	0	-1.48	-0.000786	± 2.5	PASS

		VN	10	-0.48	-0.000255	± 2.5	PASS
		VN	20	3.57	0.001896	± 2.5	PASS
		VN	30	1.77	0.000940	± 2.5	PASS
		VN	40	0.6	0.000319	± 2.5	PASS
		VN	50	2.08	0.001105	± 2.5	PASS
	HCH	VN	-30	1.53	0.000800	± 2.5	PASS
		VN	-20	-1.43	-0.000747	± 2.5	PASS
		VN	-10	0.52	0.000272	± 2.5	PASS
		VN	0	-1.65	-0.000862	± 2.5	PASS
		VN	10	-1.2	-0.000627	± 2.5	PASS
		VN	20	3.95	0.002064	± 2.5	PASS
		VN	30	4.67	0.002441	± 2.5	PASS
		VN	40	2.62	0.001369	± 2.5	PASS
		VN	50	2.89	0.001510	± 2.5	PASS
		VN	-30	3.28	0.001772	± 2.5	PASS
16QAM	LCH	VN	-20	0.15	0.000081	± 2.5	PASS
		VN	-10	-1.45	-0.000783	± 2.5	PASS
		VN	0	-0.05	-0.000027	± 2.5	PASS
		VN	10	-0.9	-0.000486	± 2.5	PASS
		VN	20	1.78	0.000961	± 2.5	PASS
		VN	30	-0.06	-0.000032	± 2.5	PASS
		VN	40	-1.98	-0.001069	± 2.5	PASS
		VN	50	2.41	0.001302	± 2.5	PASS
	MCH	VN	-30	4.42	0.002348	± 2.5	PASS
		VN	-20	2.81	0.001493	± 2.5	PASS
		VN	-10	1.74	0.000924	± 2.5	PASS
		VN	0	1.1	0.000584	± 2.5	PASS
		VN	10	-1.67	-0.000887	± 2.5	PASS
		VN	20	1.13	0.000600	± 2.5	PASS
		VN	30	3.29	0.001748	± 2.5	PASS
		VN	40	-0.83	-0.000441	± 2.5	PASS
		VN	50	-1.37	-0.000728	± 2.5	PASS
	HCH	VN	-30	3.92	0.002049	± 2.5	PASS
		VN	-20	-1.81	-0.000946	± 2.5	PASS
		VN	-10	1.76	0.000920	± 2.5	PASS
		VN	0	3.71	0.001939	± 2.5	PASS
		VN	10	4.79	0.002503	± 2.5	PASS
		VN	20	0.11	0.000057	± 2.5	PASS
		VN	30	-1.18	-0.000617	± 2.5	PASS
		VN	40	3.07	0.001604	± 2.5	PASS
		VN	50	0.41	0.000214	± 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	1.54	0.000831	± 2.5	PASS
		VN	TN	-0.21	-0.000113	± 2.5	PASS
		VH	TN	0.15	0.000081	± 2.5	PASS
	MCH	VL	TN	3.93	0.002088	± 2.5	PASS
		VN	TN	2.36	0.001254	± 2.5	PASS
		VH	TN	-1.56	-0.000829	± 2.5	PASS
	HCH	VL	TN	4.01	0.002097	± 2.5	PASS
		VN	TN	3.44	0.001799	± 2.5	PASS
		VH	TN	3.64	0.001903	± 2.5	PASS
16QAM	LCH	VL	TN	-1.3	-0.000702	± 2.5	PASS
		VN	TN	2.46	0.001328	± 2.5	PASS
		VH	TN	2.3	0.001242	± 2.5	PASS
	MCH	VL	TN	1.5	0.000797	± 2.5	PASS
		VN	TN	0.37	0.000197	± 2.5	PASS
		VH	TN	-1.45	-0.000770	± 2.5	PASS
	HCH	VL	TN	3.59	0.001877	± 2.5	PASS
		VN	TN	2.92	0.001527	± 2.5	PASS
		VH	TN	0.56	0.000293	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.9	-0.001026	± 2.5	PASS
		VN	-20	-0.79	-0.000426	± 2.5	PASS
		VN	-10	4.88	0.002634	± 2.5	PASS
		VN	0	2.84	0.001533	± 2.5	PASS
		VN	10	3.89	0.002100	± 2.5	PASS
		VN	20	-0.42	-0.000227	± 2.5	PASS
		VN	30	1.4	0.000756	± 2.5	PASS
		VN	40	2.89	0.001560	± 2.5	PASS
		VN	50	4.14	0.002235	± 2.5	PASS
	MCH	VN	-30	-0.74	-0.000393	± 2.5	PASS
		VN	-20	-0.85	-0.000452	± 2.5	PASS
		VN	-10	3.44	0.001827	± 2.5	PASS
		VN	0	3.32	0.001764	± 2.5	PASS
		VN	10	4.38	0.002327	± 2.5	PASS

		VN	20	-0.05	-0.000027	± 2.5	PASS
		VN	30	3.92	0.002082	± 2.5	PASS
		VN	40	0.56	0.000297	± 2.5	PASS
		VN	50	4.52	0.002401	± 2.5	PASS
	HCH	VN	-30	4.92	0.002573	± 2.5	PASS
		VN	-20	2.72	0.001422	± 2.5	PASS
		VN	-10	3.97	0.002076	± 2.5	PASS
		VN	0	4.33	0.002264	± 2.5	PASS
		VN	10	3.69	0.001929	± 2.5	PASS
		VN	20	3.24	0.001694	± 2.5	PASS
		VN	30	2.58	0.001349	± 2.5	PASS
		VN	40	2.08	0.001088	± 2.5	PASS
		VN	50	3.83	0.002003	± 2.5	PASS
		VN	-30	4.3	0.002321	± 2.5	PASS
		VN	-20	-1.6	-0.000864	± 2.5	PASS
		VN	-10	2.76	0.001490	± 2.5	PASS
16QAM	LCH	VN	0	-0.94	-0.000507	± 2.5	PASS
		VN	10	4.33	0.002337	± 2.5	PASS
		VN	20	-1.19	-0.000642	± 2.5	PASS
		VN	30	0.12	0.000065	± 2.5	PASS
		VN	40	-1.07	-0.000578	± 2.5	PASS
		VN	50	-1.53	-0.000826	± 2.5	PASS
	MCH	VN	-30	1.07	0.000568	± 2.5	PASS
		VN	-20	1.51	0.000802	± 2.5	PASS
		VN	-10	0.7	0.000372	± 2.5	PASS
		VN	0	-1	-0.000531	± 2.5	PASS
		VN	10	1.51	0.000802	± 2.5	PASS
		VN	20	1.01	0.000537	± 2.5	PASS
		VN	30	0.97	0.000515	± 2.5	PASS
		VN	40	3.1	0.001647	± 2.5	PASS
		VN	50	-0.66	-0.000351	± 2.5	PASS
	HCH	VN	-30	3.06	0.001600	± 2.5	PASS
		VN	-20	4.25	0.002222	± 2.5	PASS
		VN	-10	4.34	0.002269	± 2.5	PASS
		VN	0	0.13	0.000068	± 2.5	PASS
		VN	10	1.58	0.000826	± 2.5	PASS
		VN	20	1.38	0.000722	± 2.5	PASS
		VN	30	2.18	0.001140	± 2.5	PASS
		VN	40	4.04	0.002112	± 2.5	PASS
		VN	50	-0.48	-0.000251	± 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	0.58	0.000313	± 2.5	PASS
		VN	TN	4.79	0.002582	± 2.5	PASS
		VH	TN	0.13	0.000070	± 2.5	PASS
	MCH	VL	TN	-1	-0.000531	± 2.5	PASS
		VN	TN	3.26	0.001732	± 2.5	PASS
		VH	TN	2.41	0.001280	± 2.5	PASS
	HCH	VL	TN	1.38	0.000723	± 2.5	PASS
		VN	TN	4.52	0.002366	± 2.5	PASS
		VH	TN	4.79	0.002508	± 2.5	PASS
16QAM	LCH	VL	TN	3.06	0.001650	± 2.5	PASS
		VN	TN	0.11	0.000059	± 2.5	PASS
		VH	TN	1.02	0.000550	± 2.5	PASS
	MCH	VL	TN	0.33	0.000175	± 2.5	PASS
		VN	TN	0.82	0.000436	± 2.5	PASS
		VH	TN	4.35	0.002311	± 2.5	PASS
	HCH	VL	TN	2.55	0.001335	± 2.5	PASS
		VN	TN	0.23	0.000120	± 2.5	PASS
		VH	TN	-0.11	-0.000058	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.92	0.001574	± 2.5	PASS
		VN	-20	-1.89	-0.001019	± 2.5	PASS
		VN	-10	3.95	0.002129	± 2.5	PASS
		VN	0	2.39	0.001288	± 2.5	PASS
		VN	10	3.66	0.001973	± 2.5	PASS
		VN	20	-0.67	-0.000361	± 2.5	PASS
		VN	30	3.37	0.001817	± 2.5	PASS
		VN	40	0.57	0.000307	± 2.5	PASS
		VN	50	4.62	0.002491	± 2.5	PASS
	MCH	VN	-30	1.23	0.000653	± 2.5	PASS
		VN	-20	1.93	0.001025	± 2.5	PASS
		VN	-10	4.58	0.002433	± 2.5	PASS
		VN	0	1.02	0.000542	± 2.5	PASS
		VN	10	3.99	0.002120	± 2.5	PASS
		VN	20	-0.49	-0.000260	± 2.5	PASS

		VN	30	-0.26	-0.000138	± 2.5	PASS
		VN	40	0.14	0.000074	± 2.5	PASS
		VN	50	3.97	0.002109	± 2.5	PASS
	HCH	VN	-30	-0.92	-0.000482	± 2.5	PASS
		VN	-20	1.65	0.000864	± 2.5	PASS
		VN	-10	1.11	0.000581	± 2.5	PASS
		VN	0	0.78	0.000408	± 2.5	PASS
		VN	10	-0.61	-0.000319	± 2.5	PASS
		VN	20	-0.6	-0.000314	± 2.5	PASS
		VN	30	3.56	0.001864	± 2.5	PASS
		VN	40	1.16	0.000607	± 2.5	PASS
		VN	50	4.28	0.002241	± 2.5	PASS
16QAM	LCH	VN	-30	4.8	0.002588	± 2.5	PASS
		VN	-20	0.62	0.000334	± 2.5	PASS
		VN	-10	3.65	0.001968	± 2.5	PASS
		VN	0	0.78	0.000420	± 2.5	PASS
		VN	10	-0.92	-0.000496	± 2.5	PASS
		VN	20	2.93	0.001580	± 2.5	PASS
		VN	30	3.89	0.002097	± 2.5	PASS
		VN	40	2.2	0.001186	± 2.5	PASS
		VN	50	1.85	0.000997	± 2.5	PASS
	MCH	VN	-30	1.99	0.001057	± 2.5	PASS
		VN	-20	1.44	0.000765	± 2.5	PASS
		VN	-10	0.11	0.000058	± 2.5	PASS
		VN	0	0.86	0.000457	± 2.5	PASS
		VN	10	1.76	0.000935	± 2.5	PASS
		VN	20	-0.44	-0.000234	± 2.5	PASS
		VN	30	0.04	0.000021	± 2.5	PASS
		VN	40	1.73	0.000919	± 2.5	PASS
		VN	50	-1.17	-0.000622	± 2.5	PASS
	HCH	VN	-30	2.64	0.001382	± 2.5	PASS
		VN	-20	2.65	0.001387	± 2.5	PASS
		VN	-10	-1.97	-0.001031	± 2.5	PASS
		VN	0	1.21	0.000634	± 2.5	PASS
		VN	10	2.18	0.001141	± 2.5	PASS
		VN	20	-1.11	-0.000581	± 2.5	PASS
		VN	30	-0.07	-0.000037	± 2.5	PASS
		VN	40	2.45	0.001283	± 2.5	PASS
		VN	50	2.47	0.001293	± 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	-1.4	-0.000754	± 2.5	PASS
		VN	TN	3.49	0.001879	± 2.5	PASS
		VH	TN	0.99	0.000533	± 2.5	PASS
	MCH	VL	TN	2.73	0.001450	± 2.5	PASS
		VN	TN	-0.62	-0.000329	± 2.5	PASS
		VH	TN	4.79	0.002544	± 2.5	PASS
	HCH	VL	TN	-0.93	-0.000488	± 2.5	PASS
		VN	TN	0.83	0.000435	± 2.5	PASS
		VH	TN	1.39	0.000729	± 2.5	PASS
16QAM	LCH	VL	TN	3.13	0.001685	± 2.5	PASS
		VN	TN	0.71	0.000382	± 2.5	PASS
		VH	TN	2.5	0.001346	± 2.5	PASS
	MCH	VL	TN	4.82	0.002560	± 2.5	PASS
		VN	TN	1.5	0.000797	± 2.5	PASS
		VH	TN	4.71	0.002502	± 2.5	PASS
	HCH	VL	TN	1.3	0.000682	± 2.5	PASS
		VN	TN	-0.17	-0.000089	± 2.5	PASS
		VH	TN	3.66	0.001919	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.93	-0.001039	± 2.5	PASS
		VN	-20	3.81	0.002051	± 2.5	PASS
		VN	-10	4.61	0.002482	± 2.5	PASS
		VN	0	0.13	0.000070	± 2.5	PASS
		VN	10	-0.2	-0.000108	± 2.5	PASS
		VN	20	1.48	0.000797	± 2.5	PASS
		VN	30	-1.31	-0.000705	± 2.5	PASS
		VN	40	-0.97	-0.000522	± 2.5	PASS
		VN	50	1.56	0.000840	± 2.5	PASS
	MCH	VN	-30	2.46	0.001307	± 2.5	PASS
		VN	-20	4.93	0.002619	± 2.5	PASS
		VN	-10	1.44	0.000765	± 2.5	PASS
		VN	0	0.68	0.000361	± 2.5	PASS
		VN	10	0.89	0.000473	± 2.5	PASS
		VN	20	3.69	0.001960	± 2.5	PASS

		VN	30	2.26	0.001201	± 2.5	PASS
		VN	40	-0.05	-0.000027	± 2.5	PASS
		VN	50	3.42	0.001817	± 2.5	PASS
	HCH	VN	-30	2.45	0.001284	± 2.5	PASS
		VN	-20	0.44	0.000231	± 2.5	PASS
		VN	-10	1.02	0.000535	± 2.5	PASS
		VN	0	1.65	0.000865	± 2.5	PASS
		VN	10	1.22	0.000640	± 2.5	PASS
		VN	20	1.69	0.000886	± 2.5	PASS
		VN	30	3.05	0.001599	± 2.5	PASS
		VN	40	1.18	0.000619	± 2.5	PASS
		VN	50	-0.33	-0.000173	± 2.5	PASS
16QAM	LCH	VN	-30	4.65	0.002503	± 2.5	PASS
		VN	-20	2.34	0.001260	± 2.5	PASS
		VN	-10	0.05	0.000027	± 2.5	PASS
		VN	0	3.37	0.001814	± 2.5	PASS
		VN	10	3.86	0.002078	± 2.5	PASS
		VN	20	0.34	0.000183	± 2.5	PASS
		VN	30	1.44	0.000775	± 2.5	PASS
		VN	40	2.23	0.001201	± 2.5	PASS
		VN	50	-1.41	-0.000759	± 2.5	PASS
	MCH	VN	-30	-1.59	-0.000845	± 2.5	PASS
		VN	-20	4.34	0.002305	± 2.5	PASS
		VN	-10	3.27	0.001737	± 2.5	PASS
		VN	0	1.89	0.001004	± 2.5	PASS
		VN	10	-0.15	-0.000080	± 2.5	PASS
		VN	20	1.27	0.000675	± 2.5	PASS
		VN	30	-1.52	-0.000807	± 2.5	PASS
		VN	40	2.99	0.001588	± 2.5	PASS
		VN	50	3.76	0.001997	± 2.5	PASS
	HCH	VN	-30	4.77	0.002501	± 2.5	PASS
		VN	-20	4.66	0.002443	± 2.5	PASS
		VN	-10	4.13	0.002165	± 2.5	PASS
		VN	0	1.22	0.000640	± 2.5	PASS
		VN	10	1.49	0.000781	± 2.5	PASS
		VN	20	3.68	0.001929	± 2.5	PASS
		VN	30	-0.4	-0.000210	± 2.5	PASS
		VN	40	4.61	0.002417	± 2.5	PASS
		VN	50	4.37	0.002291	± 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	-0.14	-0.000075	± 2.5	PASS
		VN	TN	3.9	0.002097	± 2.5	PASS
		VH	TN	1.17	0.000629	± 2.5	PASS
	MCH	VL	TN	1.61	0.000855	± 2.5	PASS
		VN	TN	-1.42	-0.000754	± 2.5	PASS
		VH	TN	4.91	0.002608	± 2.5	PASS
	HCH	VL	TN	3.2	0.001680	± 2.5	PASS
		VN	TN	3.26	0.001711	± 2.5	PASS
		VH	TN	-0.3	-0.000157	± 2.5	PASS
16QAM	LCH	VL	TN	0.48	0.000258	± 2.5	PASS
		VN	TN	4.73	0.002543	± 2.5	PASS
		VH	TN	-1.94	-0.001043	± 2.5	PASS
	MCH	VL	TN	1.75	0.000930	± 2.5	PASS
		VN	TN	1.48	0.000786	± 2.5	PASS
		VH	TN	0.62	0.000329	± 2.5	PASS
	HCH	VL	TN	1.83	0.000961	± 2.5	PASS
		VN	TN	-1.14	-0.000598	± 2.5	PASS
		VH	TN	-0.78	-0.000409	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.03	-0.000554	± 2.5	PASS
		VN	-20	0.57	0.000306	± 2.5	PASS
		VN	-10	1.06	0.000570	± 2.5	PASS
		VN	0	-0.31	-0.000167	± 2.5	PASS
		VN	10	0.79	0.000425	± 2.5	PASS
		VN	20	3.73	0.002005	± 2.5	PASS
		VN	30	2.2	0.001183	± 2.5	PASS
		VN	40	0.58	0.000312	± 2.5	PASS
		VN	50	-0.6	-0.000323	± 2.5	PASS
	MCH	VN	-30	3.84	0.002043	± 2.5	PASS
		VN	-20	1.76	0.000936	± 2.5	PASS
		VN	-10	1.67	0.000888	± 2.5	PASS
		VN	0	-1.36	-0.000723	± 2.5	PASS
		VN	10	1.48	0.000787	± 2.5	PASS
		VN	20	4.66	0.002479	± 2.5	PASS

		VN	30	3.52	0.001872	± 2.5	PASS
		VN	40	1.21	0.000644	± 2.5	PASS
		VN	50	-0.4	-0.000213	± 2.5	PASS
	HCH	VN	-30	4.78	0.002509	± 2.5	PASS
		VN	-20	0.12	0.000063	± 2.5	PASS
		VN	-10	-0.65	-0.000341	± 2.5	PASS
		VN	0	2.33	0.001223	± 2.5	PASS
		VN	10	4.26	0.002236	± 2.5	PASS
		VN	20	2.81	0.001475	± 2.5	PASS
		VN	30	-1.83	-0.000961	± 2.5	PASS
		VN	40	1.67	0.000877	± 2.5	PASS
		VN	50	4.17	0.002189	± 2.5	PASS
16QAM	LCH	VN	-30	1.9	0.001022	± 2.5	PASS
		VN	-20	3.04	0.001634	± 2.5	PASS
		VN	-10	0.57	0.000306	± 2.5	PASS
		VN	0	-0.95	-0.000511	± 2.5	PASS
		VN	10	1.49	0.000801	± 2.5	PASS
		VN	20	5	0.002688	± 2.5	PASS
		VN	30	1.74	0.000935	± 2.5	PASS
		VN	40	4.5	0.002419	± 2.5	PASS
		VN	50	-0.19	-0.000102	± 2.5	PASS
	MCH	VN	-30	-1.79	-0.000951	± 2.5	PASS
		VN	-20	-1.94	-0.001031	± 2.5	PASS
		VN	-10	0.75	0.000398	± 2.5	PASS
		VN	0	0.02	0.000011	± 2.5	PASS
		VN	10	-0.88	-0.000467	± 2.5	PASS
		VN	20	4.73	0.002513	± 2.5	PASS
		VN	30	-0.88	-0.000467	± 2.5	PASS
		VN	40	3.24	0.001721	± 2.5	PASS
		VN	50	1.92	0.001020	± 2.5	PASS
	HCH	VN	-30	2.31	0.001213	± 2.5	PASS
		VN	-20	1.55	0.000814	± 2.5	PASS
		VN	-10	-1.85	-0.000971	± 2.5	PASS
		VN	0	3.66	0.001921	± 2.5	PASS
		VN	10	0.42	0.000220	± 2.5	PASS
		VN	20	-1.42	-0.000745	± 2.5	PASS
		VN	30	3.94	0.002068	± 2.5	PASS
		VN	40	-1.54	-0.000808	± 2.5	PASS
		VN	50	3.88	0.002037	± 2.5	PASS