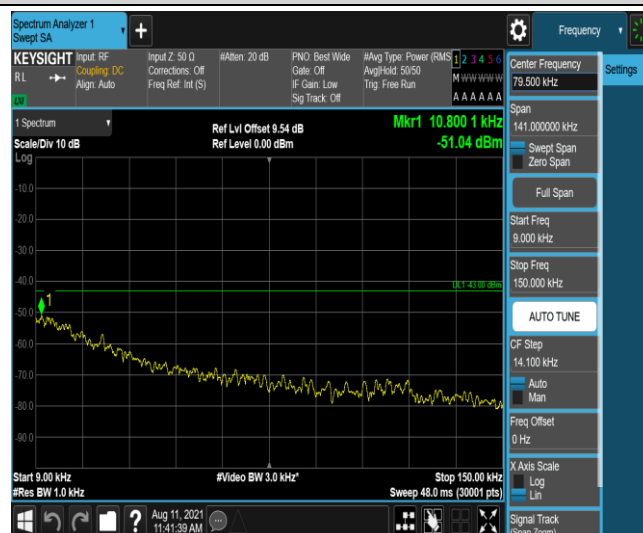




Band25-20MHz-QPSK-26365-1-0-Low-12000-26500--51.29-PASS



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



Band25-20MHz-QPSK-26590-1-0-High-0.15-30--49.58-PASS



Band25-20MHz-QPSK-26590-1-0-High-30-1000--33.46-PASS



Band25-20MHz-QPSK-26590-1-0-High-1000-5000--35.32-PASS



Band25-20MHz-QPSK-26590-1-0-High-5000-12000--56.73-PASS



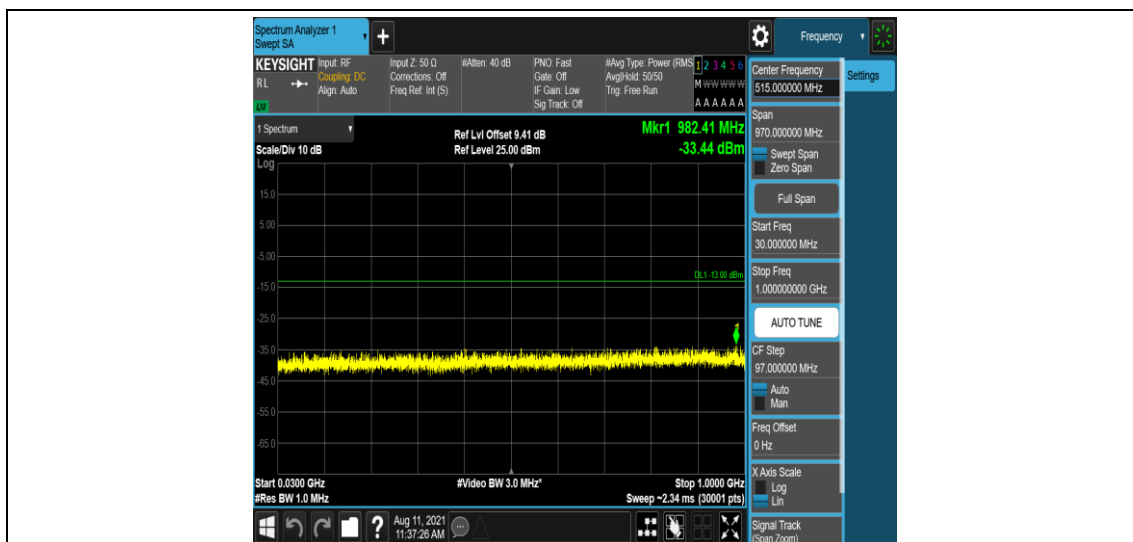
Band25-20MHz-QPSK-26590-1-0-High-12000-26500--50.87-PASS



Band25-20MHz-16QAM-26140-1-0-Low-0.009-0.15--49.58-PASS



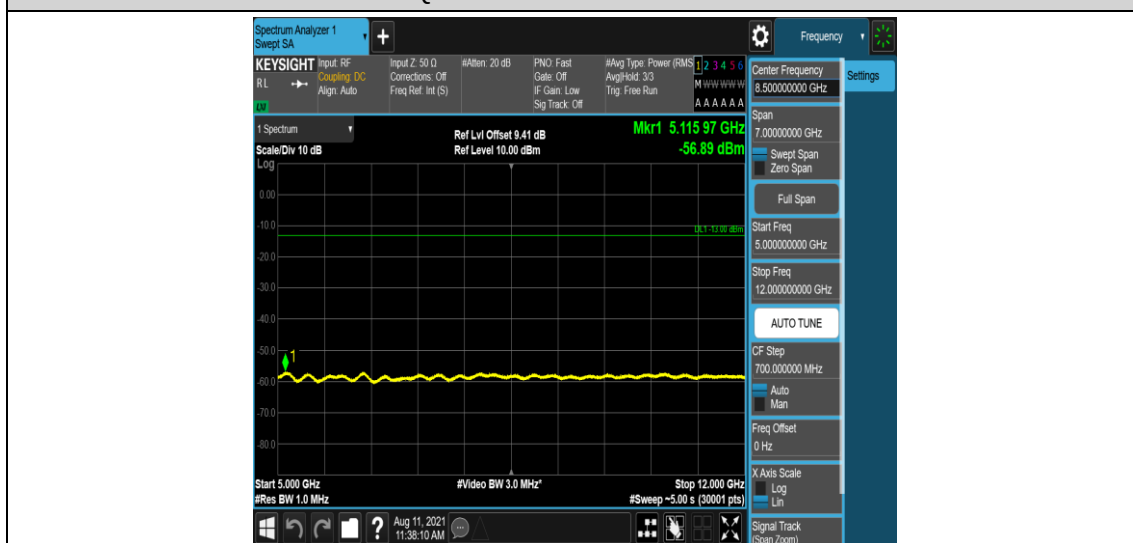
Band25-20MHz-16QAM-26140-1-0-Low-0.15-30--48.96-PASS



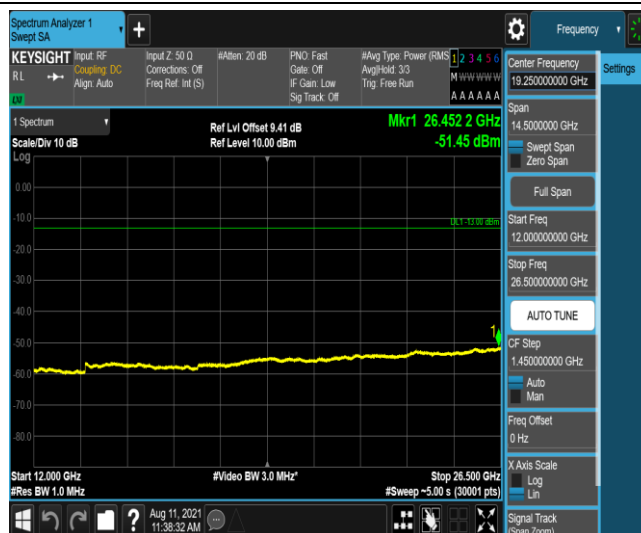
Band25-20MHz-16QAM-26140-1-0-Low-30-1000--33.44-PASS



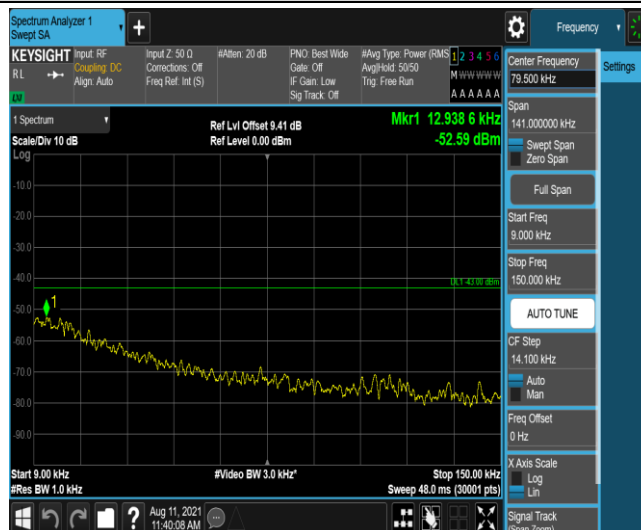
Band25-20MHz-16QAM-26140-1-0-Low-1000-5000--35.71-PASS



Band25-20MHz-16QAM-26140-1-0-Low-5000-12000--56.89-PASS



Band25-20MHz-16QAM-26140-1-0-Low-12000-26500--51.45-PASS



Band25-20MHz-16QAM-26365-1-0-Low-0.009-0.15--52.6-PASS



Band25-20MHz-16QAM-26365-1-0-Low-0.15-30--51.4-PASS





Band25-20MHz-16QAM-26365-1-0-Low-12000-26500--51.34-PASS

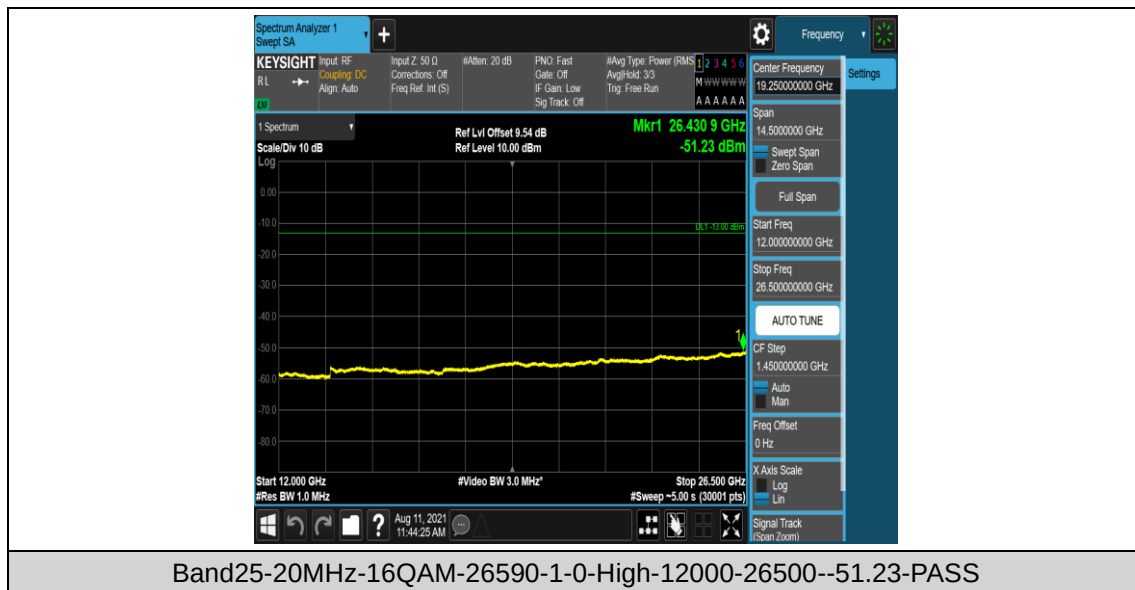


Band25-20MHz-16QAM-26590-1-0-High-0.009-0.15--50.12-PASS



Band25-20MHz-16QAM-26590-1-0-High-0.15-30--49.25-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	0.79	0.000427	± 2.5	PASS
		VN	TN	0.31	0.000168	± 2.5	PASS
		VH	TN	0.65	0.000351	± 2.5	PASS
	MCH	VL	TN	4.98	0.002645	± 2.5	PASS
		VN	TN	0.17	0.000090	± 2.5	PASS
		VH	TN	-1.61	-0.000855	± 2.5	PASS
	HCH	VL	TN	0.08	0.000042	± 2.5	PASS
		VN	TN	3.96	0.002069	± 2.5	PASS
		VH	TN	-1.31	-0.000684	± 2.5	PASS
16QAM	LCH	VL	TN	0.96	0.000519	± 2.5	PASS
		VN	TN	1.47	0.000794	± 2.5	PASS
		VH	TN	0.15	0.000081	± 2.5	PASS
	MCH	VL	TN	1.44	0.000765	± 2.5	PASS
		VN	TN	0.06	0.000032	± 2.5	PASS
		VH	TN	4.02	0.002135	± 2.5	PASS
	HCH	VL	TN	-1.95	-0.001021	± 2.5	PASS
		VN	TN	4.36	0.002284	± 2.5	PASS
		VH	TN	-1.38	-0.000723	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.51	-0.000816	± 2.5	PASS
		VN	-20	0.81	0.000438	± 2.5	PASS
		VN	-10	-1.69	-0.000913	± 2.5	PASS
		VN	0	0.89	0.000481	± 2.5	PASS
		VN	10	3.66	0.001978	± 2.5	PASS
		VN	20	3.29	0.001778	± 2.5	PASS
		VN	30	0.39	0.000211	± 2.5	PASS
		VN	40	-0.58	-0.000313	± 2.5	PASS
		VN	50	-1.36	-0.000735	± 2.5	PASS
	MCH	VN	-30	-1.5	-0.000797	± 2.5	PASS
		VN	-20	4.69	0.002491	± 2.5	PASS
		VN	-10	1.63	0.000866	± 2.5	PASS

		VN	0	-0.94	-0.000499	± 2.5	PASS
		VN	10	-1.59	-0.000845	± 2.5	PASS
		VN	20	-0.16	-0.000085	± 2.5	PASS
		VN	30	-1.46	-0.000776	± 2.5	PASS
		VN	40	-1.83	-0.000972	± 2.5	PASS
		VN	50	4.5	0.002390	± 2.5	PASS
	HCH	VN	-30	-1.86	-0.000972	± 2.5	PASS
		VN	-20	-1.28	-0.000669	± 2.5	PASS
		VN	-10	-0.13	-0.000068	± 2.5	PASS
		VN	0	-0.53	-0.000277	± 2.5	PASS
		VN	10	1.98	0.001034	± 2.5	PASS
		VN	20	0.65	0.000340	± 2.5	PASS
		VN	30	1.21	0.000632	± 2.5	PASS
		VN	40	-0.68	-0.000355	± 2.5	PASS
		VN	50	3.56	0.001860	± 2.5	PASS
16QAM	LCH	VN	-30	2.35	0.001270	± 2.5	PASS
		VN	-20	3.36	0.001816	± 2.5	PASS
		VN	-10	0.76	0.000411	± 2.5	PASS
		VN	0	2.17	0.001173	± 2.5	PASS
		VN	10	4.63	0.002502	± 2.5	PASS
		VN	20	0.25	0.000135	± 2.5	PASS
		VN	30	3.63	0.001961	± 2.5	PASS
		VN	40	2.66	0.001437	± 2.5	PASS
		VN	50	3.76	0.002032	± 2.5	PASS
	MCH	VN	-30	3.08	0.001636	± 2.5	PASS
		VN	-20	3.19	0.001695	± 2.5	PASS
		VN	-10	1.78	0.000946	± 2.5	PASS
		VN	0	2.38	0.001264	± 2.5	PASS
		VN	10	2.8	0.001487	± 2.5	PASS
		VN	20	1.18	0.000627	± 2.5	PASS
		VN	30	3.7	0.001965	± 2.5	PASS
		VN	40	4.91	0.002608	± 2.5	PASS
		VN	50	4.41	0.002343	± 2.5	PASS
	HCH	VN	-30	-0.06	-0.000031	± 2.5	PASS
		VN	-20	1.57	0.000820	± 2.5	PASS
		VN	-10	0.4	0.000209	± 2.5	PASS
		VN	0	4.12	0.002152	± 2.5	PASS
		VN	10	0.4	0.000209	± 2.5	PASS
		VN	20	0.19	0.000099	± 2.5	PASS
		VN	30	0.18	0.000094	± 2.5	PASS
		VN	40	-0.67	-0.000350	± 2.5	PASS

		VN	50	2.13	0.001113	± 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	-1.02	-0.000551	± 2.5	PASS
		VN	TN	0.87	0.000470	± 2.5	PASS
		VH	TN	3.22	0.001739	± 2.5	PASS
	MCH	VL	TN	1.48	0.000786	± 2.5	PASS
		VN	TN	4.83	0.002566	± 2.5	PASS
		VH	TN	3.14	0.001668	± 2.5	PASS
	HCH	VL	TN	-0.25	-0.000131	± 2.5	PASS
		VN	TN	4.25	0.002221	± 2.5	PASS
		VH	TN	-0.4	-0.000209	± 2.5	PASS
16QAM	LCH	VL	TN	2.56	0.001383	± 2.5	PASS
		VN	TN	4.45	0.002403	± 2.5	PASS
		VH	TN	-0.25	-0.000135	± 2.5	PASS
	MCH	VL	TN	2.51	0.001333	± 2.5	PASS
		VN	TN	3.92	0.002082	± 2.5	PASS
		VH	TN	4.74	0.002518	± 2.5	PASS
	HCH	VL	TN	0.27	0.000141	± 2.5	PASS
		VN	TN	-0.09	-0.000047	± 2.5	PASS
		VH	TN	4.74	0.002477	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.08	0.001664	± 2.5	PASS
		VN	-20	2.03	0.001096	± 2.5	PASS
		VN	-10	2.25	0.001215	± 2.5	PASS
		VN	0	-1.47	-0.000794	± 2.5	PASS
		VN	10	3.11	0.001680	± 2.5	PASS
		VN	20	4.16	0.002247	± 2.5	PASS
		VN	30	-0.31	-0.000167	± 2.5	PASS
		VN	40	3.32	0.001793	± 2.5	PASS
		VN	50	3.35	0.001809	± 2.5	PASS
	MCH	VN	-30	2.79	0.001482	± 2.5	PASS
		VN	-20	1.44	0.000765	± 2.5	PASS
		VN	-10	-1.37	-0.000728	± 2.5	PASS
		VN	0	0	0.000000	± 2.5	PASS

		VN	10	-1.33	-0.000707	± 2.5	PASS
		VN	20	3.75	0.001992	± 2.5	PASS
		VN	30	3.28	0.001742	± 2.5	PASS
		VN	40	1.68	0.000892	± 2.5	PASS
		VN	50	-1.88	-0.000999	± 2.5	PASS
	HCH	VN	-30	-0.29	-0.000152	± 2.5	PASS
		VN	-20	1.89	0.000988	± 2.5	PASS
		VN	-10	2.54	0.001327	± 2.5	PASS
		VN	0	2.39	0.001249	± 2.5	PASS
		VN	10	2.64	0.001380	± 2.5	PASS
		VN	20	3.01	0.001573	± 2.5	PASS
		VN	30	4.54	0.002373	± 2.5	PASS
		VN	40	2.45	0.001280	± 2.5	PASS
		VN	50	-1.31	-0.000685	± 2.5	PASS
16QAM	LCH	VN	-30	3.64	0.001966	± 2.5	PASS
		VN	-20	2.79	0.001507	± 2.5	PASS
		VN	-10	-0.55	-0.000297	± 2.5	PASS
		VN	0	3.97	0.002144	± 2.5	PASS
		VN	10	0.98	0.000529	± 2.5	PASS
		VN	20	3.43	0.001853	± 2.5	PASS
		VN	30	-1.69	-0.000913	± 2.5	PASS
		VN	40	0.09	0.000049	± 2.5	PASS
		VN	50	3.03	0.001637	± 2.5	PASS
	MCH	VN	-30	3.27	0.001737	± 2.5	PASS
		VN	-20	-0.19	-0.000101	± 2.5	PASS
		VN	-10	-0.36	-0.000191	± 2.5	PASS
		VN	0	3.56	0.001891	± 2.5	PASS
		VN	10	-1.46	-0.000776	± 2.5	PASS
		VN	20	2.86	0.001519	± 2.5	PASS
		VN	30	2.39	0.001270	± 2.5	PASS
		VN	40	4.85	0.002576	± 2.5	PASS
		VN	50	3.81	0.002024	± 2.5	PASS
	HCH	VN	-30	2.24	0.001171	± 2.5	PASS
		VN	-20	1.24	0.000648	± 2.5	PASS
		VN	-10	3.29	0.001719	± 2.5	PASS
		VN	0	0.35	0.000183	± 2.5	PASS
		VN	10	1.42	0.000742	± 2.5	PASS
		VN	20	3.59	0.001876	± 2.5	PASS
		VN	30	2.08	0.001087	± 2.5	PASS
		VN	40	1.38	0.000721	± 2.5	PASS
		VN	50	-0.19	-0.000099	± 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	1.92	0.001036	± 2.5	PASS
		VN	TN	0.22	0.000119	± 2.5	PASS
		VH	TN	-1.17	-0.000632	± 2.5	PASS
	MCH	VL	TN	3.53	0.001875	± 2.5	PASS
		VN	TN	1.98	0.001052	± 2.5	PASS
		VH	TN	0.27	0.000143	± 2.5	PASS
	HCH	VL	TN	2.53	0.001323	± 2.5	PASS
		VN	TN	4.44	0.002322	± 2.5	PASS
		VH	TN	2.21	0.001156	± 2.5	PASS
16QAM	LCH	VL	TN	1.45	0.000783	± 2.5	PASS
		VN	TN	3.33	0.001798	± 2.5	PASS
		VH	TN	1.26	0.000680	± 2.5	PASS
	MCH	VL	TN	-0.38	-0.000202	± 2.5	PASS
		VN	TN	4.88	0.002592	± 2.5	PASS
		VH	TN	-0.31	-0.000165	± 2.5	PASS
	HCH	VL	TN	1.92	0.001004	± 2.5	PASS
		VN	TN	1.45	0.000758	± 2.5	PASS
		VH	TN	3.39	0.001773	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.87	-0.001009	± 2.5	PASS
		VN	-20	4.24	0.002289	± 2.5	PASS
		VN	-10	0.12	0.000065	± 2.5	PASS
		VN	0	2.43	0.001312	± 2.5	PASS
		VN	10	-1.03	-0.000556	± 2.5	PASS
		VN	20	2.9	0.001565	± 2.5	PASS
		VN	30	1.01	0.000545	± 2.5	PASS
		VN	40	2.35	0.001269	± 2.5	PASS
		VN	50	2.64	0.001425	± 2.5	PASS
	MCH	VN	-30	1.66	0.000882	± 2.5	PASS
		VN	-20	-1.26	-0.000669	± 2.5	PASS
		VN	-10	-0.49	-0.000260	± 2.5	PASS
		VN	0	0.77	0.000409	± 2.5	PASS
		VN	10	-1.14	-0.000606	± 2.5	PASS

		VN	20	3.93	0.002088	± 2.5	PASS
		VN	30	0.8	0.000425	± 2.5	PASS
		VN	40	-1.85	-0.000983	± 2.5	PASS
		VN	50	-0.05	-0.000027	± 2.5	PASS
	HCH	VN	-30	-0.81	-0.000424	± 2.5	PASS
		VN	-20	-1.89	-0.000988	± 2.5	PASS
		VN	-10	-0.25	-0.000131	± 2.5	PASS
		VN	0	2.43	0.001271	± 2.5	PASS
		VN	10	2.5	0.001307	± 2.5	PASS
		VN	20	0.92	0.000481	± 2.5	PASS
		VN	30	3.04	0.001590	± 2.5	PASS
		VN	40	2.34	0.001224	± 2.5	PASS
		VN	50	3.57	0.001867	± 2.5	PASS
16QAM	LCH	VN	-30	2.82	0.001522	± 2.5	PASS
		VN	-20	1.84	0.000993	± 2.5	PASS
		VN	-10	0.57	0.000308	± 2.5	PASS
		VN	0	2.72	0.001468	± 2.5	PASS
		VN	10	1.97	0.001063	± 2.5	PASS
		VN	20	-0.6	-0.000324	± 2.5	PASS
		VN	30	1.87	0.001009	± 2.5	PASS
		VN	40	1.76	0.000950	± 2.5	PASS
		VN	50	4.48	0.002418	± 2.5	PASS
	MCH	VN	-30	3.67	0.001950	± 2.5	PASS
		VN	-20	-1.58	-0.000839	± 2.5	PASS
		VN	-10	2.37	0.001259	± 2.5	PASS
		VN	0	2.2	0.001169	± 2.5	PASS
		VN	10	2.87	0.001525	± 2.5	PASS
		VN	20	2.52	0.001339	± 2.5	PASS
		VN	30	-1.13	-0.000600	± 2.5	PASS
		VN	40	-0.03	-0.000016	± 2.5	PASS
		VN	50	2.42	0.001286	± 2.5	PASS
	HCH	VN	-30	1.38	0.000722	± 2.5	PASS
		VN	-20	-0.75	-0.000392	± 2.5	PASS
		VN	-10	3.66	0.001914	± 2.5	PASS
		VN	0	0.86	0.000450	± 2.5	PASS
		VN	10	-1.3	-0.000680	± 2.5	PASS
		VN	20	4.9	0.002562	± 2.5	PASS
		VN	30	-1.16	-0.000607	± 2.5	PASS
		VN	40	-0.44	-0.000230	± 2.5	PASS
		VN	50	4.71	0.002463	± 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	-1.74	-0.000938	± 2.5	PASS
		VN	TN	-1.02	-0.000550	± 2.5	PASS
		VH	TN	1.71	0.000922	± 2.5	PASS
	MCH	VL	TN	-0.31	-0.000165	± 2.5	PASS
		VN	TN	2.71	0.001440	± 2.5	PASS
		VH	TN	3.97	0.002109	± 2.5	PASS
	HCH	VL	TN	2.84	0.001487	± 2.5	PASS
		VN	TN	2.42	0.001267	± 2.5	PASS
		VH	TN	-1.65	-0.000864	± 2.5	PASS
16QAM	LCH	VL	TN	2.48	0.001337	± 2.5	PASS
		VN	TN	2.74	0.001477	± 2.5	PASS
		VH	TN	4.33	0.002334	± 2.5	PASS
	MCH	VL	TN	4.35	0.002311	± 2.5	PASS
		VN	TN	3.97	0.002109	± 2.5	PASS
		VH	TN	3.32	0.001764	± 2.5	PASS
	HCH	VL	TN	0.99	0.000518	± 2.5	PASS
		VN	TN	2.38	0.001246	± 2.5	PASS
		VH	TN	2.41	0.001262	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.19	0.001181	± 2.5	PASS
		VN	-20	3.85	0.002075	± 2.5	PASS
		VN	-10	-1.93	-0.001040	± 2.5	PASS
		VN	0	0.72	0.000388	± 2.5	PASS
		VN	10	3.45	0.001860	± 2.5	PASS
		VN	20	2.69	0.001450	± 2.5	PASS
		VN	30	-1.42	-0.000765	± 2.5	PASS
		VN	40	1.37	0.000739	± 2.5	PASS
		VN	50	4.24	0.002286	± 2.5	PASS
	MCH	VN	-30	-1.73	-0.000919	± 2.5	PASS
		VN	-20	-1.75	-0.000930	± 2.5	PASS
		VN	-10	4.14	0.002199	± 2.5	PASS
		VN	0	3.19	0.001695	± 2.5	PASS
		VN	10	2.03	0.001078	± 2.5	PASS
		VN	20	-0.21	-0.000112	± 2.5	PASS

		VN	30	-1.39	-0.000738	± 2.5	PASS
		VN	40	3.4	0.001806	± 2.5	PASS
		VN	50	2.14	0.001137	± 2.5	PASS
	HCH	VN	-30	4.3	0.002251	± 2.5	PASS
		VN	-20	2.45	0.001283	± 2.5	PASS
		VN	-10	2.81	0.001471	± 2.5	PASS
		VN	0	4.43	0.002319	± 2.5	PASS
		VN	10	2.39	0.001251	± 2.5	PASS
		VN	20	1.88	0.000984	± 2.5	PASS
		VN	30	2.78	0.001455	± 2.5	PASS
		VN	40	3.47	0.001817	± 2.5	PASS
		VN	50	1.19	0.000623	± 2.5	PASS
16QAM	LCH	VN	-30	2.67	0.001439	± 2.5	PASS
		VN	-20	-1.11	-0.000598	± 2.5	PASS
		VN	-10	4.87	0.002625	± 2.5	PASS
		VN	0	3.33	0.001795	± 2.5	PASS
		VN	10	-0.73	-0.000394	± 2.5	PASS
		VN	20	2.51	0.001353	± 2.5	PASS
		VN	30	-0.68	-0.000367	± 2.5	PASS
		VN	40	-1.78	-0.000960	± 2.5	PASS
		VN	50	-0.23	-0.000124	± 2.5	PASS
	MCH	VN	-30	4.06	0.002157	± 2.5	PASS
		VN	-20	1.52	0.000807	± 2.5	PASS
		VN	-10	4.51	0.002396	± 2.5	PASS
		VN	0	4.14	0.002199	± 2.5	PASS
		VN	10	0.38	0.000202	± 2.5	PASS
		VN	20	3.09	0.001641	± 2.5	PASS
		VN	30	3.32	0.001764	± 2.5	PASS
		VN	40	-1.83	-0.000972	± 2.5	PASS
		VN	50	4.55	0.002417	± 2.5	PASS
	HCH	VN	-30	0.27	0.000141	± 2.5	PASS
		VN	-20	4.91	0.002571	± 2.5	PASS
		VN	-10	4.87	0.002550	± 2.5	PASS
		VN	0	1.39	0.000728	± 2.5	PASS
		VN	10	0.75	0.000393	± 2.5	PASS
		VN	20	1.76	0.000921	± 2.5	PASS
		VN	30	1.03	0.000539	± 2.5	PASS
		VN	40	-1.13	-0.000592	± 2.5	PASS
		VN	50	2.94	0.001539	± 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	-0.94	-0.000506	± 2.5	PASS
		VN	TN	0.02	0.000011	± 2.5	PASS
		VH	TN	-0.73	-0.000393	± 2.5	PASS
	MCH	VL	TN	-1.94	-0.001031	± 2.5	PASS
		VN	TN	-0.47	-0.000250	± 2.5	PASS
		VH	TN	0.63	0.000335	± 2.5	PASS
	HCH	VL	TN	-0.52	-0.000273	± 2.5	PASS
		VN	TN	2.03	0.001064	± 2.5	PASS
		VH	TN	-1.91	-0.001001	± 2.5	PASS
16QAM	LCH	VL	TN	2.55	0.001373	± 2.5	PASS
		VN	TN	2.85	0.001534	± 2.5	PASS
		VH	TN	4.68	0.002520	± 2.5	PASS
	MCH	VL	TN	3.28	0.001742	± 2.5	PASS
		VN	TN	4.35	0.002311	± 2.5	PASS
		VH	TN	-0.64	-0.000340	± 2.5	PASS
	HCH	VL	TN	3.96	0.002076	± 2.5	PASS
		VN	TN	2.03	0.001064	± 2.5	PASS
		VH	TN	1.06	0.000556	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.89	0.000479	± 2.5	PASS
		VN	-20	4.85	0.002611	± 2.5	PASS
		VN	-10	2.99	0.001610	± 2.5	PASS
		VN	0	2.05	0.001104	± 2.5	PASS
		VN	10	4.23	0.002277	± 2.5	PASS
		VN	20	0.59	0.000318	± 2.5	PASS
		VN	30	4.1	0.002207	± 2.5	PASS
		VN	40	1.31	0.000705	± 2.5	PASS
		VN	50	1.81	0.000974	± 2.5	PASS
	MCH	VN	-30	3.52	0.001870	± 2.5	PASS
		VN	-20	0.25	0.000133	± 2.5	PASS
		VN	-10	4.54	0.002412	± 2.5	PASS
		VN	0	4.29	0.002279	± 2.5	PASS
		VN	10	4.05	0.002151	± 2.5	PASS
		VN	20	4.57	0.002428	± 2.5	PASS

		VN	30	-0.08	-0.000042	± 2.5	PASS
		VN	40	1.71	0.000908	± 2.5	PASS
		VN	50	1.37	0.000728	± 2.5	PASS
	HCH	VN	-30	0.93	0.000488	± 2.5	PASS
		VN	-20	0.96	0.000503	± 2.5	PASS
		VN	-10	2	0.001048	± 2.5	PASS
		VN	0	-1.39	-0.000729	± 2.5	PASS
		VN	10	4.59	0.002406	± 2.5	PASS
		VN	20	0.63	0.000330	± 2.5	PASS
		VN	30	-1.04	-0.000545	± 2.5	PASS
		VN	40	3.3	0.001730	± 2.5	PASS
		VN	50	3.44	0.001803	± 2.5	PASS
16QAM	LCH	VN	-30	-0.65	-0.000350	± 2.5	PASS
		VN	-20	4.87	0.002622	± 2.5	PASS
		VN	-10	0.58	0.000312	± 2.5	PASS
		VN	0	3.73	0.002008	± 2.5	PASS
		VN	10	-1.51	-0.000813	± 2.5	PASS
		VN	20	2.06	0.001109	± 2.5	PASS
		VN	30	-1.47	-0.000791	± 2.5	PASS
		VN	40	0.57	0.000307	± 2.5	PASS
		VN	50	1.07	0.000576	± 2.5	PASS
	MCH	VN	-30	0.13	0.000069	± 2.5	PASS
		VN	-20	3.24	0.001721	± 2.5	PASS
		VN	-10	3.46	0.001838	± 2.5	PASS
		VN	0	-0.46	-0.000244	± 2.5	PASS
		VN	10	3.15	0.001673	± 2.5	PASS
		VN	20	2.48	0.001317	± 2.5	PASS
		VN	30	-1.3	-0.000691	± 2.5	PASS
		VN	40	3.53	0.001875	± 2.5	PASS
		VN	50	3.87	0.002056	± 2.5	PASS
	HCH	VN	-30	-1.19	-0.000624	± 2.5	PASS
		VN	-20	-1.87	-0.000980	± 2.5	PASS
		VN	-10	2.37	0.001242	± 2.5	PASS
		VN	0	0.78	0.000409	± 2.5	PASS
		VN	10	-0.08	-0.000042	± 2.5	PASS
		VN	20	2.74	0.001436	± 2.5	PASS
		VN	30	1.7	0.000891	± 2.5	PASS
		VN	40	-0.76	-0.000398	± 2.5	PASS
		VN	50	2.98	0.001562	± 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	-2	-0.001075	± 2.5	PASS
		VN	TN	2.86	0.001538	± 2.5	PASS
		VH	TN	3.32	0.001785	± 2.5	PASS
	MCH	VL	TN	1.73	0.000919	± 2.5	PASS
		VN	TN	4.8	0.002550	± 2.5	PASS
		VH	TN	3.3	0.001753	± 2.5	PASS
	HCH	VL	TN	2.17	0.001139	± 2.5	PASS
		VN	TN	1.11	0.000583	± 2.5	PASS
		VH	TN	-0.32	-0.000168	± 2.5	PASS
16QAM	LCH	VL	TN	3.54	0.001903	± 2.5	PASS
		VN	TN	3.05	0.001640	± 2.5	PASS
		VH	TN	3.94	0.002118	± 2.5	PASS
	MCH	VL	TN	1.71	0.000908	± 2.5	PASS
		VN	TN	1.54	0.000818	± 2.5	PASS
		VH	TN	-1.28	-0.000680	± 2.5	PASS
	HCH	VL	TN	-0.1	-0.000052	± 2.5	PASS
		VN	TN	-0.72	-0.000378	± 2.5	PASS
		VH	TN	1.49	0.000782	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.91	-0.001027	± 2.5	PASS
		VN	-20	2.25	0.001210	± 2.5	PASS
		VN	-10	3.2	0.001720	± 2.5	PASS
		VN	0	1.97	0.001059	± 2.5	PASS
		VN	10	4.34	0.002333	± 2.5	PASS
		VN	20	2.07	0.001113	± 2.5	PASS
		VN	30	-1.77	-0.000952	± 2.5	PASS
		VN	40	3.12	0.001677	± 2.5	PASS
		VN	50	-1.52	-0.000817	± 2.5	PASS
	MCH	VN	-30	-0.89	-0.000473	± 2.5	PASS
		VN	-20	-0.52	-0.000277	± 2.5	PASS
		VN	-10	-0.92	-0.000489	± 2.5	PASS
		VN	0	1.82	0.000968	± 2.5	PASS
		VN	10	-1.38	-0.000734	± 2.5	PASS
		VN	20	4.18	0.002223	± 2.5	PASS

		VN	30	0.25	0.000133	± 2.5	PASS
		VN	40	-0.18	-0.000096	± 2.5	PASS
		VN	50	4.73	0.002516	± 2.5	PASS
	HCH	VN	-30	-0.44	-0.000231	± 2.5	PASS
		VN	-20	4.19	0.002199	± 2.5	PASS
		VN	-10	-0.11	-0.000058	± 2.5	PASS
		VN	0	3.55	0.001864	± 2.5	PASS
		VN	10	2.77	0.001454	± 2.5	PASS
		VN	20	2.93	0.001538	± 2.5	PASS
		VN	30	1.97	0.001034	± 2.5	PASS
		VN	40	0.42	0.000220	± 2.5	PASS
		VN	50	1.36	0.000714	± 2.5	PASS
16QAM	LCH	VN	-30	4.74	0.002548	± 2.5	PASS
		VN	-20	0.26	0.000140	± 2.5	PASS
		VN	-10	0.07	0.000038	± 2.5	PASS
		VN	0	-1.21	-0.000651	± 2.5	PASS
		VN	10	1.21	0.000651	± 2.5	PASS
		VN	20	0.51	0.000274	± 2.5	PASS
		VN	30	-0.67	-0.000360	± 2.5	PASS
		VN	40	-0.7	-0.000376	± 2.5	PASS
		VN	50	4.1	0.002204	± 2.5	PASS
	MCH	VN	-30	1.95	0.001036	± 2.5	PASS
		VN	-20	0.76	0.000404	± 2.5	PASS
		VN	-10	-1.41	-0.000749	± 2.5	PASS
		VN	0	3.05	0.001620	± 2.5	PASS
		VN	10	2.53	0.001344	± 2.5	PASS
		VN	20	1.48	0.000786	± 2.5	PASS
		VN	30	3.52	0.001870	± 2.5	PASS
		VN	40	2.01	0.001068	± 2.5	PASS
		VN	50	1.53	0.000813	± 2.5	PASS
	HCH	VN	-30	2.94	0.001543	± 2.5	PASS
		VN	-20	4	0.002100	± 2.5	PASS
		VN	-10	-0.46	-0.000241	± 2.5	PASS
		VN	0	2.41	0.001265	± 2.5	PASS
		VN	10	4.7	0.002467	± 2.5	PASS
		VN	20	-0.48	-0.000252	± 2.5	PASS
		VN	30	0.52	0.000273	± 2.5	PASS
		VN	40	-1.97	-0.001034	± 2.5	PASS
		VN	50	2.97	0.001559	± 2.5	PASS