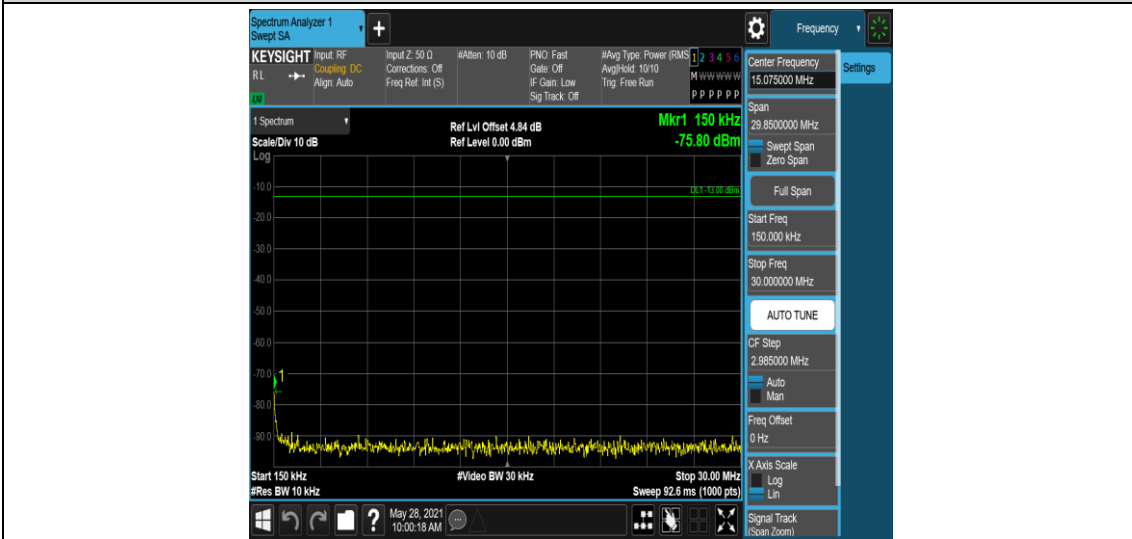
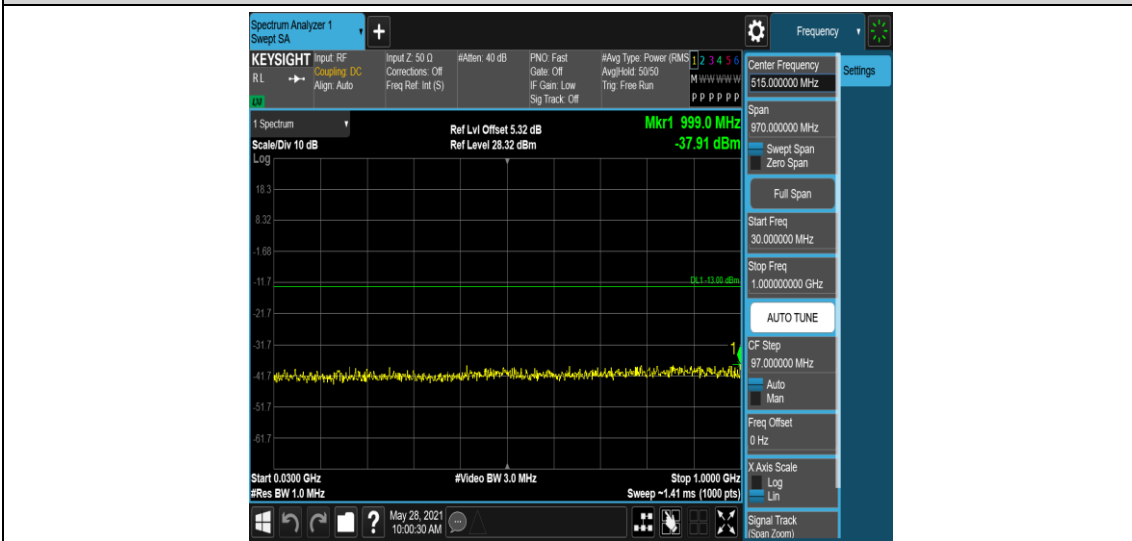




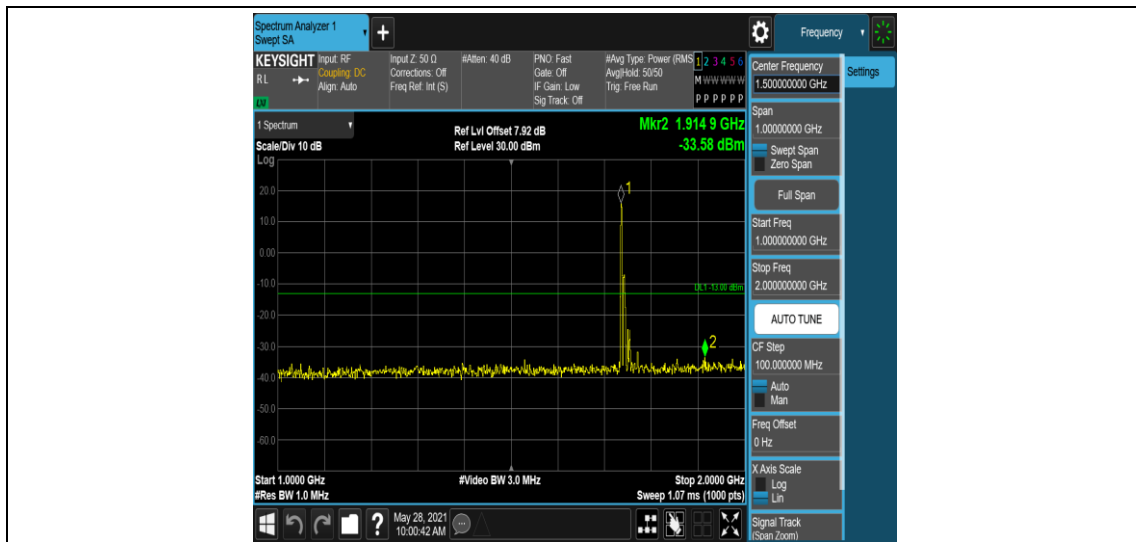
Band4-20MHz-16QAM-20300-1RB#0-Range2:0.15~30MHz



Band4-20MHz-16QAM-20300-1RB#0-Range3:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range4:1000~2000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range5:2000~20000MHz



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	-0.44	-0.000257	± 2.5	PASS
		VN	TN	4.74	0.002771	± 2.5	PASS
		VH	TN	-0.72	-0.000421	± 2.5	PASS
	MCH	VL	TN	0.93	0.000537	± 2.5	PASS
		VN	TN	0.69	0.000398	± 2.5	PASS
		VH	TN	-1.17	-0.000675	± 2.5	PASS
	HCH	VL	TN	3.04	0.001733	± 2.5	PASS
		VN	TN	0.7	0.000399	± 2.5	PASS
		VH	TN	1.78	0.001015	± 2.5	PASS
16QAM	LCH	VL	TN	4.29	0.002508	± 2.5	PASS
		VN	TN	-0.27	-0.000158	± 2.5	PASS
		VH	TN	-0.78	-0.000456	± 2.5	PASS
	MCH	VL	TN	1.62	0.000935	± 2.5	PASS
		VN	TN	2.07	0.001195	± 2.5	PASS
		VH	TN	3.77	0.002176	± 2.5	PASS
	HCH	VL	TN	3.46	0.001972	± 2.5	PASS
		VN	TN	1.52	0.000866	± 2.5	PASS
		VH	TN	-0.32	-0.000182	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.64	-0.000959	± 2.5	PASS
		VN	-20	0.13	0.000076	± 2.5	PASS
		VN	-10	0	0.000000	± 2.5	PASS
		VN	0	-0.71	-0.000415	± 2.5	PASS
		VN	10	2.18	0.001274	± 2.5	PASS
		VN	20	0.51	0.000298	± 2.5	PASS
		VN	30	2.23	0.001304	± 2.5	PASS
		VN	40	0.86	0.000503	± 2.5	PASS
		VN	50	0.8	0.000468	± 2.5	PASS
	MCH	VN	-30	1.23	0.000710	± 2.5	PASS

		VN	-20	1.82	0.001051	± 2.5	PASS
		VN	-10	-1.86	-0.001074	± 2.5	PASS
		VN	0	-0.25	-0.000144	± 2.5	PASS
		VN	10	2.73	0.001576	± 2.5	PASS
		VN	20	2.3	0.001328	± 2.5	PASS
		VN	30	1.48	0.000854	± 2.5	PASS
		VN	40	2.18	0.001258	± 2.5	PASS
		VN	50	-1.44	-0.000831	± 2.5	PASS
	HCH	VN	-30	3.35	0.001910	± 2.5	PASS
		VN	-20	4.92	0.002805	± 2.5	PASS
		VN	-10	4.33	0.002468	± 2.5	PASS
		VN	0	1.33	0.000758	± 2.5	PASS
		VN	10	1.17	0.000667	± 2.5	PASS
		VN	20	1.78	0.001015	± 2.5	PASS
		VN	30	3.51	0.002001	± 2.5	PASS
		VN	40	3.4	0.001938	± 2.5	PASS
		VN	50	4.29	0.002445	± 2.5	PASS
		16QAM	LCH	VN	-30	0.02	0.000012
VN	-20			0.94	0.000549	± 2.5	PASS
VN	-10			3.87	0.002262	± 2.5	PASS
VN	0			4.86	0.002841	± 2.5	PASS
VN	10			-1.28	-0.000748	± 2.5	PASS
VN	20			3.21	0.001876	± 2.5	PASS
VN	30			-0.49	-0.000286	± 2.5	PASS
VN	40			-1.14	-0.000666	± 2.5	PASS
VN	50			4.32	0.002525	± 2.5	PASS
MCH	VN		-30	1.21	0.000690	± 2.5	PASS
	VN		-20	0.28	0.000160	± 2.5	PASS
	VN		-10	4.67	0.002662	± 2.5	PASS
	VN		0	-0.64	-0.000365	± 2.5	PASS
	VN		10	-1.85	-0.001055	± 2.5	PASS
	VN		20	4.41	0.002514	± 2.5	PASS
	VN		30	-0.33	-0.000188	± 2.5	PASS
	VN		40	1.21	0.000690	± 2.5	PASS
	VN		50	3	0.001710	± 2.5	PASS
HCH	VN		-30	-0.72	-0.000410	± 2.5	PASS
	VN		-20	3	0.001710	± 2.5	PASS
	VN		-10	2.43	0.001385	± 2.5	PASS
	VN		0	4.31	0.002457	± 2.5	PASS
	VN		10	2.66	0.001516	± 2.5	PASS
	VN		20	3.04	0.001733	± 2.5	PASS

		VN	30	3.87	0.002206	± 2.5	PASS
		VN	40	4.36	0.002485	± 2.5	PASS
		VN	50	-0.37	-0.000211	± 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	3.59	0.002098	± 2.5	PASS
		VN	TN	0.61	0.000356	± 2.5	PASS
		VH	TN	2.73	0.001595	± 2.5	PASS
	MCH	VL	TN	-0.4	-0.000231	± 2.5	PASS
		VN	TN	3.4	0.001962	± 2.5	PASS
		VH	TN	-1.64	-0.000947	± 2.5	PASS
	HCH	VL	TN	4.86	0.002772	± 2.5	PASS
		VN	TN	0.06	0.000034	± 2.5	PASS
		VH	TN	0.58	0.000331	± 2.5	PASS
16QAM	LCH	VL	TN	1.2	0.000701	± 2.5	PASS
		VN	TN	0.07	0.000041	± 2.5	PASS
		VH	TN	1.75	0.001022	± 2.5	PASS
	MCH	VL	TN	4.71	0.002719	± 2.5	PASS
		VN	TN	3.86	0.002228	± 2.5	PASS
		VH	TN	-1.99	-0.001149	± 2.5	PASS
	HCH	VL	TN	4.16	0.002372	± 2.5	PASS
		VN	TN	0.99	0.000565	± 2.5	PASS
		VH	TN	3.32	0.001893	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.52	0.002057	± 2.5	PASS
		VN	-20	0.29	0.000169	± 2.5	PASS
		VN	-10	0.17	0.000099	± 2.5	PASS
		VN	0	-1.63	-0.000952	± 2.5	PASS
		VN	10	-0.03	-0.000018	± 2.5	PASS
		VN	20	1.2	0.000701	± 2.5	PASS
		VN	30	-1.8	-0.001052	± 2.5	PASS
		VN	40	2.07	0.001209	± 2.5	PASS
		VN	50	-0.05	-0.000029	± 2.5	PASS
	MCH	VN	-30	2.02	0.001166	± 2.5	PASS
		VN	-20	0.67	0.000387	± 2.5	PASS

		VN	-10	-0.29	-0.000167	± 2.5	PASS		
		VN	0	0.62	0.000358	± 2.5	PASS		
		VN	10	4.05	0.002338	± 2.5	PASS		
		VN	20	4.47	0.002580	± 2.5	PASS		
		VN	30	2.43	0.001403	± 2.5	PASS		
		VN	40	3.18	0.001835	± 2.5	PASS		
		VN	50	3.19	0.001841	± 2.5	PASS		
	HCH	VN	-30	4.29	0.002447	± 2.5	PASS		
		VN	-20	3.48	0.001985	± 2.5	PASS		
		VN	-10	-1.22	-0.000696	± 2.5	PASS		
		VN	0	2.44	0.001392	± 2.5	PASS		
		VN	10	1.7	0.000969	± 2.5	PASS		
		VN	20	3.32	0.001893	± 2.5	PASS		
		VN	30	3.52	0.002007	± 2.5	PASS		
		VN	40	2.79	0.001591	± 2.5	PASS		
		VN	50	0.85	0.000485	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.37	-0.000791	± 2.5	PASS
				VN	-20	2.73	0.001576	± 2.5	PASS
VN	-10			3.73	0.002153	± 2.5	PASS		
VN	0			2.4	0.001385	± 2.5	PASS		
VN	10			-1.16	-0.000670	± 2.5	PASS		
VN	20			3.28	0.001893	± 2.5	PASS		
VN	30			4.87	0.002811	± 2.5	PASS		
VN	40			1.57	0.000906	± 2.5	PASS		
VN	50			4.67	0.002696	± 2.5	PASS		
MCH	VN		-30	2.44	0.001392	± 2.5	PASS		
	VN		-20	-1.05	-0.000599	± 2.5	PASS		
	VN		-10	1.71	0.000975	± 2.5	PASS		
	VN		0	2.29	0.001306	± 2.5	PASS		
	VN		10	2.57	0.001466	± 2.5	PASS		
	VN		20	2.16	0.001232	± 2.5	PASS		
	VN		30	2.87	0.001637	± 2.5	PASS		
	VN		40	3.05	0.001739	± 2.5	PASS		
	VN		50	2.93	0.001671	± 2.5	PASS		
HCH	VN		-30	-1.03	-0.000587	± 2.5	PASS		
	VN		-20	1.5	0.000855	± 2.5	PASS		
	VN		-10	-1.23	-0.000701	± 2.5	PASS		
	VN		0	0.52	0.000297	± 2.5	PASS		
	VN		10	3.54	0.002019	± 2.5	PASS		
	VN		20	1.96	0.001118	± 2.5	PASS		
	VN		30	-1.36	-0.000776	± 2.5	PASS		

		VN	40	-1.44	-0.000821	± 2.5	PASS
		VN	50	2.78	0.001585	± 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	3.09	0.001804	± 2.5	PASS
		VN	TN	0.23	0.000134	± 2.5	PASS
		VH	TN	0.82	0.000479	± 2.5	PASS
	MCH	VL	TN	2.67	0.001541	± 2.5	PASS
		VN	TN	-0.76	-0.000439	± 2.5	PASS
		VH	TN	3.72	0.002147	± 2.5	PASS
	HCH	VL	TN	2.84	0.001621	± 2.5	PASS
		VN	TN	3.69	0.002106	± 2.5	PASS
		VH	TN	3.39	0.001934	± 2.5	PASS
16QAM	LCH	VL	TN	4.64	0.002709	± 2.5	PASS
		VN	TN	1.53	0.000893	± 2.5	PASS
		VH	TN	0.7	0.000409	± 2.5	PASS
	MCH	VL	TN	4.47	0.002580	± 2.5	PASS
		VN	TN	-1.89	-0.001091	± 2.5	PASS
		VH	TN	-0.08	-0.000046	± 2.5	PASS
	HCH	VL	TN	4.41	0.002516	± 2.5	PASS
		VN	TN	1.94	0.001107	± 2.5	PASS
		VH	TN	-0.49	-0.000280	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.91	0.001699	± 2.5	PASS
		VN	-20	-0.67	-0.000391	± 2.5	PASS
		VN	-10	-0.17	-0.000099	± 2.5	PASS
		VN	0	0.46	0.000269	± 2.5	PASS
		VN	10	2.25	0.001314	± 2.5	PASS
		VN	20	1.26	0.000736	± 2.5	PASS
		VN	30	-1.99	-0.001162	± 2.5	PASS
		VN	40	4.87	0.002844	± 2.5	PASS
		VN	50	-0.17	-0.000099	± 2.5	PASS
	MCH	VN	-30	2.42	0.001397	± 2.5	PASS
		VN	-20	4.97	0.002869	± 2.5	PASS
		VN	-10	4.78	0.002759	± 2.5	PASS

		VN	0	2.03	0.001172	± 2.5	PASS		
		VN	10	2.23	0.001287	± 2.5	PASS		
		VN	20	-0.03	-0.000017	± 2.5	PASS		
		VN	30	3.14	0.001812	± 2.5	PASS		
		VN	40	3.21	0.001853	± 2.5	PASS		
		VN	50	-0.79	-0.000456	± 2.5	PASS		
	HCH	VN	-30	1.34	0.000765	± 2.5	PASS		
		VN	-20	2.8	0.001468	± 2.5	PASS		
		VN	-10	-0.27	-0.000142	± 2.5	PASS		
		VN	0	1.57	0.000823	± 2.5	PASS		
		VN	10	0.83	0.000435	± 2.5	PASS		
		VN	20	3.15	0.001651	± 2.5	PASS		
		VN	30	2.13	0.001117	± 2.5	PASS		
		VN	40	2.57	0.001347	± 2.5	PASS		
		VN	50	1.33	0.000697	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.42	-0.000242	± 2.5	PASS
				VN	-20	3.78	0.002182	± 2.5	PASS
				VN	-10	0.29	0.000167	± 2.5	PASS
VN	0			-1.65	-0.000952	± 2.5	PASS		
VN	10			2.32	0.001339	± 2.5	PASS		
VN	20			-1.79	-0.001033	± 2.5	PASS		
VN	30			2.14	0.001235	± 2.5	PASS		
VN	40			0	0.000000	± 2.5	PASS		
VN	50			1.24	0.000716	± 2.5	PASS		
MCH	VN		-30	4.9	0.002796	± 2.5	PASS		
	VN		-20	-0.69	-0.000394	± 2.5	PASS		
	VN		-10	4.8	0.002739	± 2.5	PASS		
	VN		0	1.81	0.001033	± 2.5	PASS		
	VN		10	2.14	0.001221	± 2.5	PASS		
	VN		20	4.09	0.002334	± 2.5	PASS		
	VN		30	3.91	0.002231	± 2.5	PASS		
	VN		40	3.49	0.001991	± 2.5	PASS		
	VN		50	2.17	0.001238	± 2.5	PASS		
HCH	VN		-30	2.07	0.001085	± 2.5	PASS		
	VN		-20	4.1	0.002149	± 2.5	PASS		
	VN		-10	3.22	0.001688	± 2.5	PASS		
	VN		0	-1.71	-0.000896	± 2.5	PASS		
	VN		10	-0.35	-0.000183	± 2.5	PASS		
	VN		20	3.36	0.001761	± 2.5	PASS		
	VN		30	3.38	0.001772	± 2.5	PASS		
	VN		40	-0.12	-0.000063	± 2.5	PASS		

		VN	50	2.53	0.001326	± 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	3.61	0.002105	± 2.5	PASS
		VN	TN	-1.1	-0.000641	± 2.5	PASS
		VH	TN	4.45	0.002595	± 2.5	PASS
	MCH	VL	TN	-1.27	-0.000733	± 2.5	PASS
		VN	TN	4.01	0.002315	± 2.5	PASS
		VH	TN	-0.88	-0.000508	± 2.5	PASS
	HCH	VL	TN	-1.37	-0.000783	± 2.5	PASS
		VN	TN	-1.87	-0.001069	± 2.5	PASS
		VH	TN	-0.7	-0.000400	± 2.5	PASS
16QAM	LCH	VL	TN	3.43	0.002000	± 2.5	PASS
		VN	TN	2.92	0.001703	± 2.5	PASS
		VH	TN	-1.97	-0.001149	± 2.5	PASS
	MCH	VL	TN	0.68	0.000392	± 2.5	PASS
		VN	TN	-1.28	-0.000739	± 2.5	PASS
		VH	TN	-1.82	-0.001051	± 2.5	PASS
	HCH	VL	TN	2.79	0.001594	± 2.5	PASS
		VN	TN	2.25	0.001286	± 2.5	PASS
		VH	TN	0.06	0.000034	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.91	0.001697	± 2.5	PASS
		VN	-20	-1.52	-0.000886	± 2.5	PASS
		VN	-10	0.46	0.000268	± 2.5	PASS
		VN	0	-1.83	-0.001067	± 2.5	PASS
		VN	10	3.93	0.002292	± 2.5	PASS
		VN	20	0.49	0.000286	± 2.5	PASS
		VN	30	-0.69	-0.000402	± 2.5	PASS
		VN	40	2.39	0.001394	± 2.5	PASS
		VN	50	-1.61	-0.000939	± 2.5	PASS
	MCH	VN	-30	-0.99	-0.000571	± 2.5	PASS
		VN	-20	0.11	0.000063	± 2.5	PASS
		VN	-10	1.88	0.001085	± 2.5	PASS
		VN	0	2.48	0.001431	± 2.5	PASS

		VN	10	-0.63	-0.000364	± 2.5	PASS
		VN	20	1.5	0.000866	± 2.5	PASS
		VN	30	1.43	0.000825	± 2.5	PASS
		VN	40	-1.73	-0.000999	± 2.5	PASS
		VN	50	-1.19	-0.000687	± 2.5	PASS
	HCH	VN	-30	0.1	0.000057	± 2.5	PASS
		VN	-20	3.62	0.002069	± 2.5	PASS
		VN	-10	1.42	0.000811	± 2.5	PASS
		VN	0	4.21	0.002406	± 2.5	PASS
		VN	10	3.58	0.002046	± 2.5	PASS
		VN	20	4.26	0.002434	± 2.5	PASS
		VN	30	-1.57	-0.000897	± 2.5	PASS
		VN	40	4.96	0.002834	± 2.5	PASS
		VN	50	3.68	0.002103	± 2.5	PASS
		16QAM	LCH	VN	-30	2.76	0.001593
VN	-20			1.51	0.000872	± 2.5	PASS
VN	-10			2.18	0.001258	± 2.5	PASS
VN	0			2.75	0.001587	± 2.5	PASS
VN	10			4.58	0.002644	± 2.5	PASS
VN	20			-0.11	-0.000063	± 2.5	PASS
VN	30			-1.26	-0.000727	± 2.5	PASS
VN	40			4.58	0.002644	± 2.5	PASS
VN	50			-1.69	-0.000975	± 2.5	PASS
MCH	VN		-30	1.77	0.001011	± 2.5	PASS
	VN		-20	-0.65	-0.000371	± 2.5	PASS
	VN		-10	2.33	0.001331	± 2.5	PASS
	VN		0	4.88	0.002789	± 2.5	PASS
	VN		10	2.88	0.001646	± 2.5	PASS
	VN		20	1.8	0.001029	± 2.5	PASS
	VN		30	0.64	0.000366	± 2.5	PASS
	VN		40	-1.45	-0.000829	± 2.5	PASS
	VN		50	-0.94	-0.000537	± 2.5	PASS
HCH	VN		-30	4.47	0.002554	± 2.5	PASS
	VN		-20	-1.4	-0.000800	± 2.5	PASS
	VN		-10	-1.45	-0.000829	± 2.5	PASS
	VN		0	1.05	0.000600	± 2.5	PASS
	VN		10	3.07	0.001754	± 2.5	PASS
	VN		20	3.79	0.002166	± 2.5	PASS
	VN		30	1.92	0.001097	± 2.5	PASS
	VN		40	1.85	0.001057	± 2.5	PASS
	VN		50	-1.15	-0.000657	± 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	-1.04	-0.000606	± 2.5	PASS
		VN	TN	2.99	0.001741	± 2.5	PASS
		VH	TN	2.14	0.001246	± 2.5	PASS
	MCH	VL	TN	3.42	0.001974	± 2.5	PASS
		VN	TN	0.43	0.000248	± 2.5	PASS
		VH	TN	-0.72	-0.000416	± 2.5	PASS
	HCH	VL	TN	0.73	0.000418	± 2.5	PASS
		VN	TN	2.03	0.001162	± 2.5	PASS
		VH	TN	-0.02	-0.000011	± 2.5	PASS
16QAM	LCH	VL	TN	3.84	0.002236	± 2.5	PASS
		VN	TN	2.19	0.001275	± 2.5	PASS
		VH	TN	3.63	0.002114	± 2.5	PASS
	MCH	VL	TN	3.82	0.002205	± 2.5	PASS
		VN	TN	3.63	0.002095	± 2.5	PASS
		VH	TN	1.3	0.000750	± 2.5	PASS
	HCH	VL	TN	4.91	0.002810	± 2.5	PASS
		VN	TN	0.35	0.000200	± 2.5	PASS
		VH	TN	4.3	0.002461	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.68	0.002725	± 2.5	PASS
		VN	-20	2.64	0.001537	± 2.5	PASS
		VN	-10	-0.73	-0.000425	± 2.5	PASS
		VN	0	2.58	0.001502	± 2.5	PASS
		VN	10	0.58	0.000338	± 2.5	PASS
		VN	20	0.8	0.000466	± 2.5	PASS
		VN	30	3.28	0.001910	± 2.5	PASS
		VN	40	0.15	0.000087	± 2.5	PASS
		VN	50	3.54	0.002061	± 2.5	PASS
	MCH	VN	-30	4.98	0.002874	± 2.5	PASS
		VN	-20	3.63	0.002095	± 2.5	PASS
		VN	-10	2.61	0.001506	± 2.5	PASS
		VN	0	-0.49	-0.000283	± 2.5	PASS
		VN	10	-1.14	-0.000658	± 2.5	PASS

		VN	20	4.26	0.002459	± 2.5	PASS
		VN	30	2.09	0.001206	± 2.5	PASS
		VN	40	3.24	0.001870	± 2.5	PASS
		VN	50	-1.99	-0.001149	± 2.5	PASS
	HCH	VN	-30	3.44	0.001969	± 2.5	PASS
		VN	-20	-0.11	-0.000063	± 2.5	PASS
		VN	-10	4.17	0.002386	± 2.5	PASS
		VN	0	3.41	0.001951	± 2.5	PASS
		VN	10	-0.93	-0.000532	± 2.5	PASS
		VN	20	2.96	0.001694	± 2.5	PASS
		VN	30	-0.59	-0.000338	± 2.5	PASS
		VN	40	-1.03	-0.000589	± 2.5	PASS
		VN	50	-0.17	-0.000097	± 2.5	PASS
16QAM	LCH	VN	-30	3.75	0.002165	± 2.5	PASS
		VN	-20	4.2	0.002424	± 2.5	PASS
		VN	-10	2.22	0.001281	± 2.5	PASS
		VN	0	3.84	0.002216	± 2.5	PASS
		VN	10	1.76	0.001016	± 2.5	PASS
		VN	20	4	0.002309	± 2.5	PASS
		VN	30	3.88	0.002240	± 2.5	PASS
		VN	40	-0.47	-0.000271	± 2.5	PASS
		VN	50	-1.85	-0.001068	± 2.5	PASS
	MCH	VN	-30	4.29	0.002455	± 2.5	PASS
		VN	-20	-0.53	-0.000303	± 2.5	PASS
		VN	-10	-1.68	-0.000961	± 2.5	PASS
		VN	0	4.63	0.002649	± 2.5	PASS
		VN	10	1.82	0.001041	± 2.5	PASS
		VN	20	-1.68	-0.000961	± 2.5	PASS
		VN	30	0.43	0.000246	± 2.5	PASS
		VN	40	2.23	0.001276	± 2.5	PASS
		VN	50	1.99	0.001139	± 2.5	PASS
	HCH	VN	-30	1.81	0.001036	± 2.5	PASS
		VN	-20	-0.7	-0.000401	± 2.5	PASS
		VN	-10	1.47	0.000841	± 2.5	PASS
		VN	0	-1.59	-0.000910	± 2.5	PASS
		VN	10	1.41	0.000807	± 2.5	PASS
		VN	20	-0.15	-0.000086	± 2.5	PASS
		VN	30	-1.31	-0.000750	± 2.5	PASS
		VN	40	-1.67	-0.000956	± 2.5	PASS
		VN	50	0.39	0.000223	± 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	2.77	0.001610	± 2.5	PASS
		VN	TN	4.36	0.002535	± 2.5	PASS
		VH	TN	2.21	0.001285	± 2.5	PASS
	MCH	VL	TN	4.71	0.002719	± 2.5	PASS
		VN	TN	-1.24	-0.000716	± 2.5	PASS
		VH	TN	4.33	0.002499	± 2.5	PASS
	HCH	VL	TN	3.15	0.001805	± 2.5	PASS
		VN	TN	4.09	0.002344	± 2.5	PASS
		VH	TN	2.02	0.001158	± 2.5	PASS
16QAM	LCH	VL	TN	3.54	0.002058	± 2.5	PASS
		VN	TN	4.63	0.002692	± 2.5	PASS
		VH	TN	1.64	0.000953	± 2.5	PASS
	MCH	VL	TN	-0.85	-0.000491	± 2.5	PASS
		VN	TN	-1.63	-0.000941	± 2.5	PASS
		VH	TN	-0.2	-0.000115	± 2.5	PASS
	HCH	VL	TN	-0.97	-0.000556	± 2.5	PASS
		VN	TN	-0.52	-0.000298	± 2.5	PASS
		VH	TN	-0.6	-0.000344	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.05	0.002355	± 2.5	PASS
		VN	-20	4.71	0.002738	± 2.5	PASS
		VN	-10	2.43	0.001413	± 2.5	PASS
		VN	0	4.21	0.002448	± 2.5	PASS
		VN	10	2.96	0.001721	± 2.5	PASS
		VN	20	-1.5	-0.000872	± 2.5	PASS
		VN	30	2.2	0.001279	± 2.5	PASS
		VN	40	4.2	0.002442	± 2.5	PASS
		VN	50	1.5	0.000872	± 2.5	PASS
	MCH	VN	-30	0.67	0.000387	± 2.5	PASS
		VN	-20	3.1	0.001789	± 2.5	PASS
		VN	-10	0.84	0.000485	± 2.5	PASS
		VN	0	-1.13	-0.000652	± 2.5	PASS
		VN	10	4.66	0.002690	± 2.5	PASS
		VN	20	-0.02	-0.000012	± 2.5	PASS

		VN	30	4	0.002309	± 2.5	PASS
		VN	40	3.14	0.001812	± 2.5	PASS
		VN	50	-0.8	-0.000462	± 2.5	PASS
	HCH	VN	-30	4.43	0.002539	± 2.5	PASS
		VN	-20	1.98	0.001135	± 2.5	PASS
		VN	-10	0.51	0.000292	± 2.5	PASS
		VN	0	2.97	0.001702	± 2.5	PASS
		VN	10	1.89	0.001083	± 2.5	PASS
		VN	20	1.86	0.001066	± 2.5	PASS
		VN	30	3.73	0.002138	± 2.5	PASS
		VN	40	1.11	0.000636	± 2.5	PASS
		VN	50	1.54	0.000883	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.45	-0.000837
VN	-20			1.96	0.001131	± 2.5	PASS
VN	-10			1.83	0.001056	± 2.5	PASS
VN	0			3.58	0.002066	± 2.5	PASS
VN	10			0.62	0.000358	± 2.5	PASS
VN	20			4.5	0.002597	± 2.5	PASS
VN	30			3.47	0.002003	± 2.5	PASS
VN	40			0.15	0.000087	± 2.5	PASS
VN	50			0.91	0.000525	± 2.5	PASS
MCH	VN		-30	1.76	0.001009	± 2.5	PASS
	VN		-20	0.71	0.000407	± 2.5	PASS
	VN		-10	-0.86	-0.000493	± 2.5	PASS
	VN		0	1.5	0.000860	± 2.5	PASS
	VN		10	0.34	0.000195	± 2.5	PASS
	VN		20	0.42	0.000241	± 2.5	PASS
	VN		30	0.67	0.000384	± 2.5	PASS
	VN		40	4.69	0.002688	± 2.5	PASS
	VN		50	3.16	0.001811	± 2.5	PASS
HCH	VN		-30	-0.46	-0.000264	± 2.5	PASS
	VN		-20	-0.28	-0.000160	± 2.5	PASS
	VN		-10	1.81	0.001037	± 2.5	PASS
	VN		0	4.74	0.002716	± 2.5	PASS
	VN		10	-0.11	-0.000063	± 2.5	PASS
	VN		20	4.78	0.002739	± 2.5	PASS
	VN		30	-1.76	-0.001009	± 2.5	PASS
	VN		40	4.54	0.002602	± 2.5	PASS
	VN		50	0.53	0.000304	± 2.5	PASS