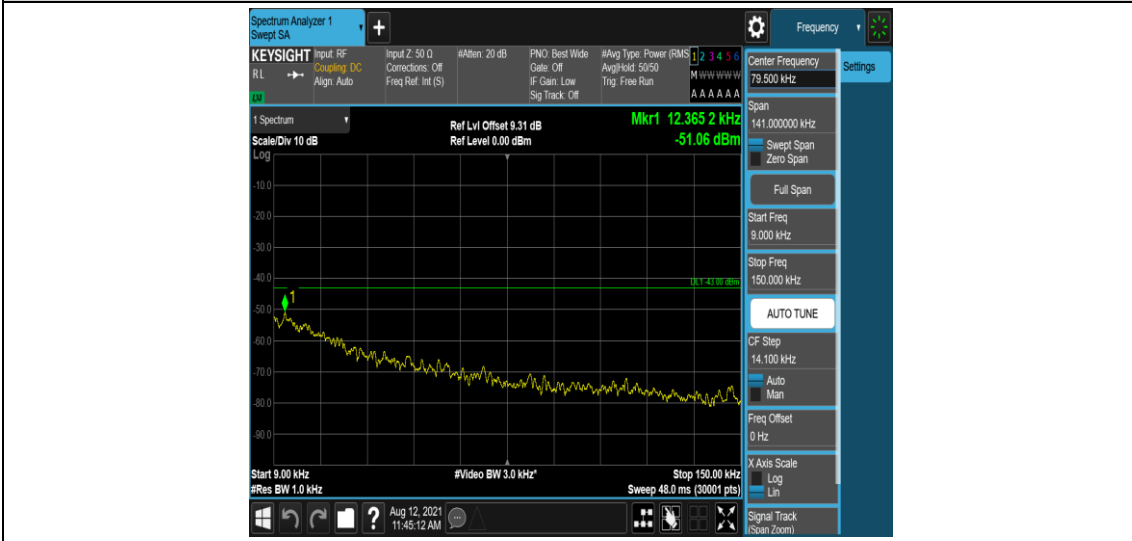


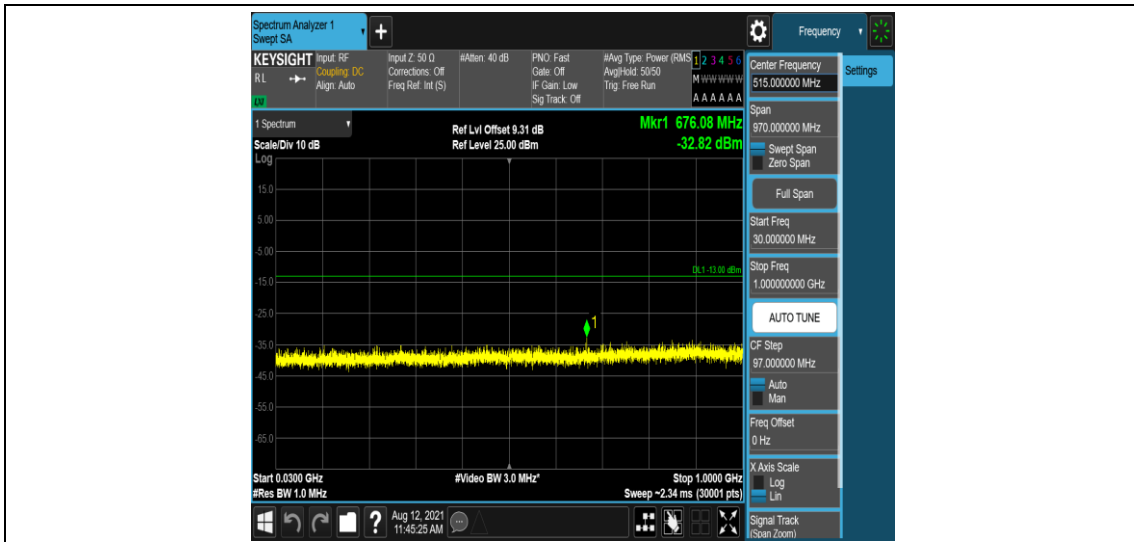
Band66-20MHz-QPSK-132322-1-0-Low-12000-26500--51.71-PASS



Band66-20MHz-QPSK-132572-1-0-High-0.009-0.15--51.06-PASS



Band66-20MHz-QPSK-132572-1-0-High-0.15-30--50.6-PASS



Band66-20MHz-QPSK-132572-1-0-High-30-1000--32.82-PASS



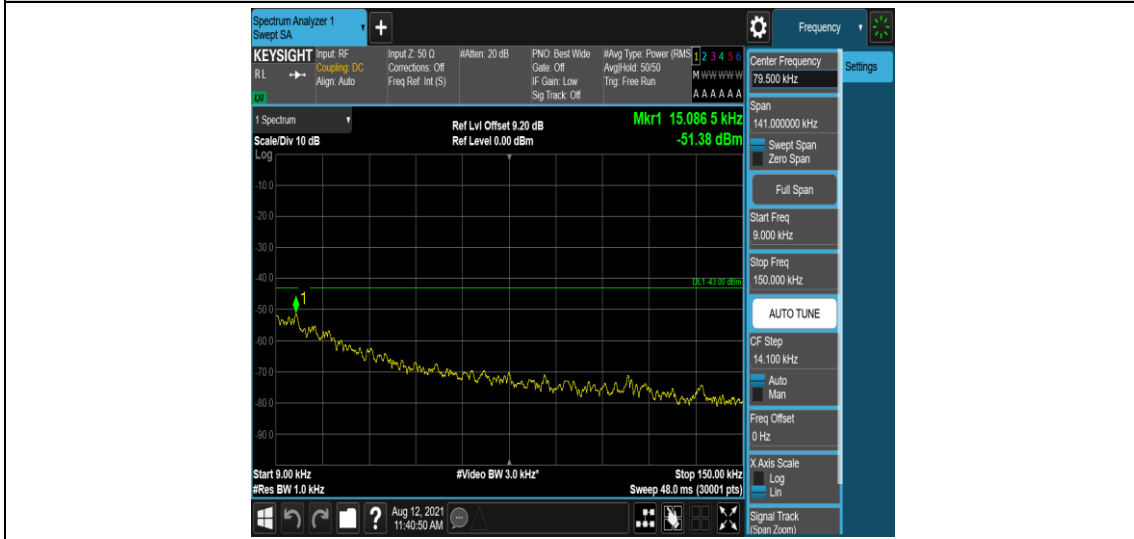
Band66-20MHz-QPSK-132572-1-0-High-1000-5000--35.81-PASS



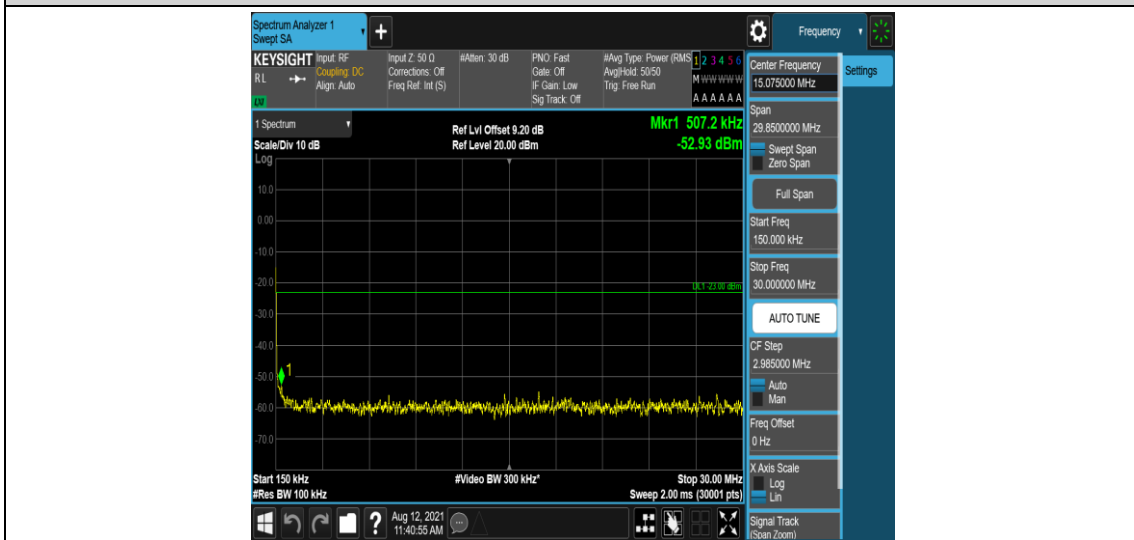
Band66-20MHz-QPSK-132572-1-0-High-5000-12000--57.05-PASS



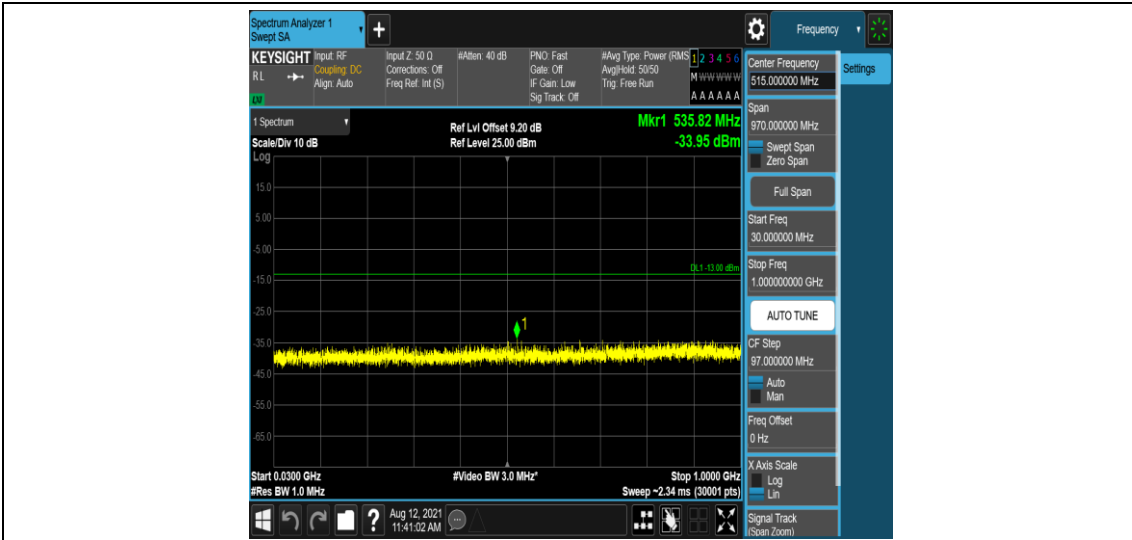
Band66-20MHz-QPSK-132572-1-0-High-12000-26500--51.56-PASS



Band66-20MHz-16QAM-132072-1-0-Low-0.009-0.15--51.38-PASS



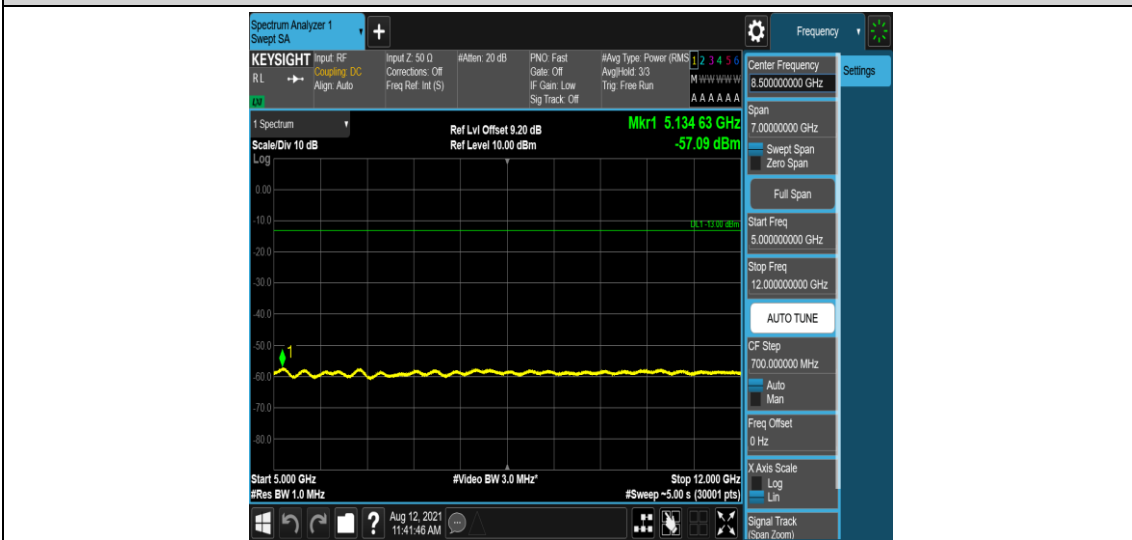
Band66-20MHz-16QAM-132072-1-0-Low-0.15-30--52.93-PASS



Band66-20MHz-16QAM-132072-1-0-Low-30-1000--33.95-PASS



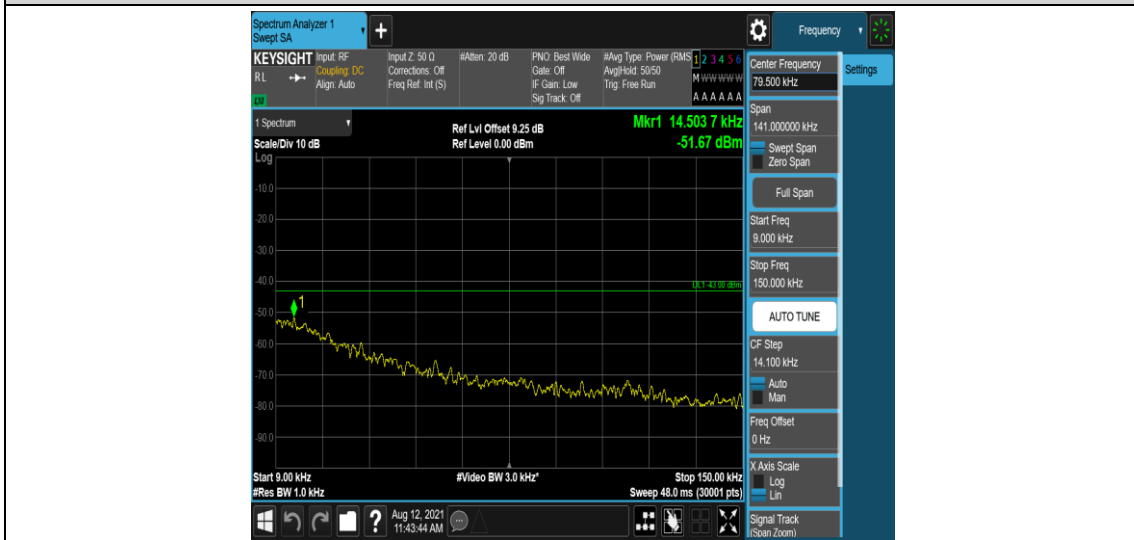
Band66-20MHz-16QAM-132072-1-0-Low-1000-5000--36.02-PASS



Band66-20MHz-16QAM-132072-1-0-Low-5000-12000--57.09-PASS



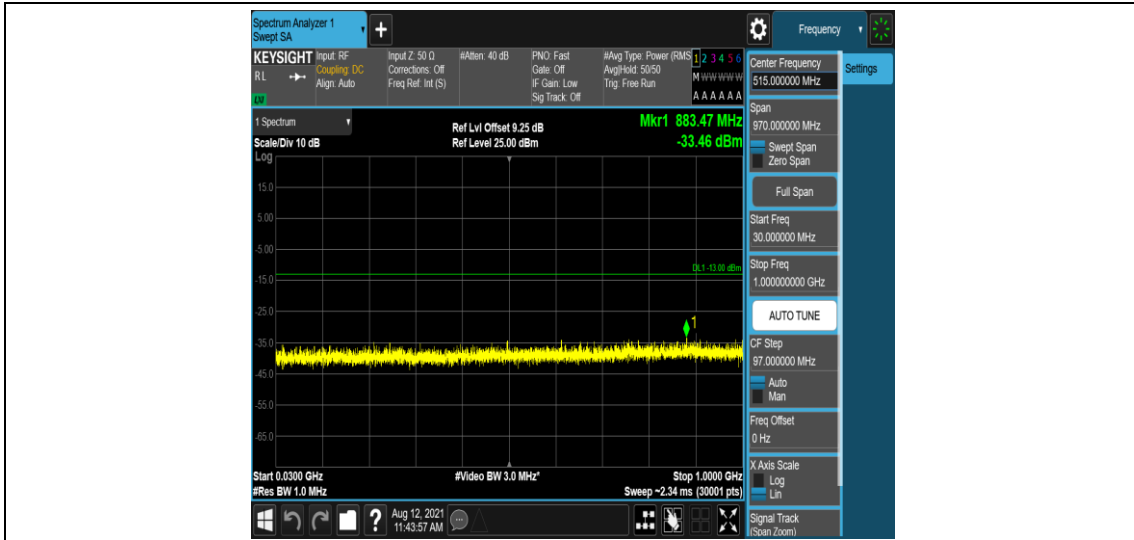
Band66-20MHz-16QAM-132072-1-0-Low-12000-26500--51.62-PASS



Band66-20MHz-16QAM-132322-1-0-Low-0.009-0.15--51.67-PASS



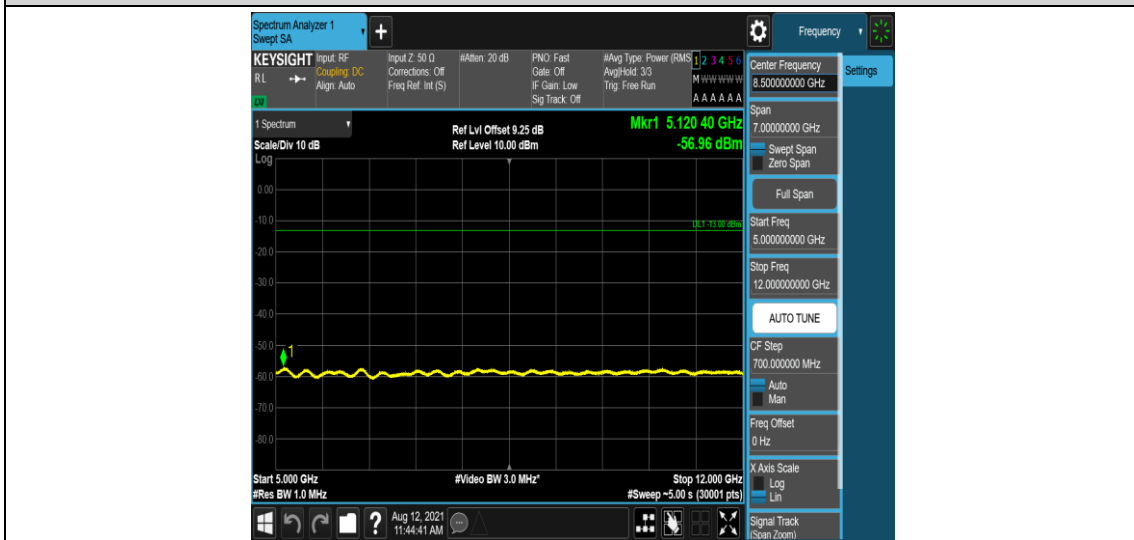
Band66-20MHz-16QAM-132322-1-0-Low-0.15-30--49.49-PASS



Band66-20MHz-16QAM-132322-1-0-Low-30-1000--33.46-PASS



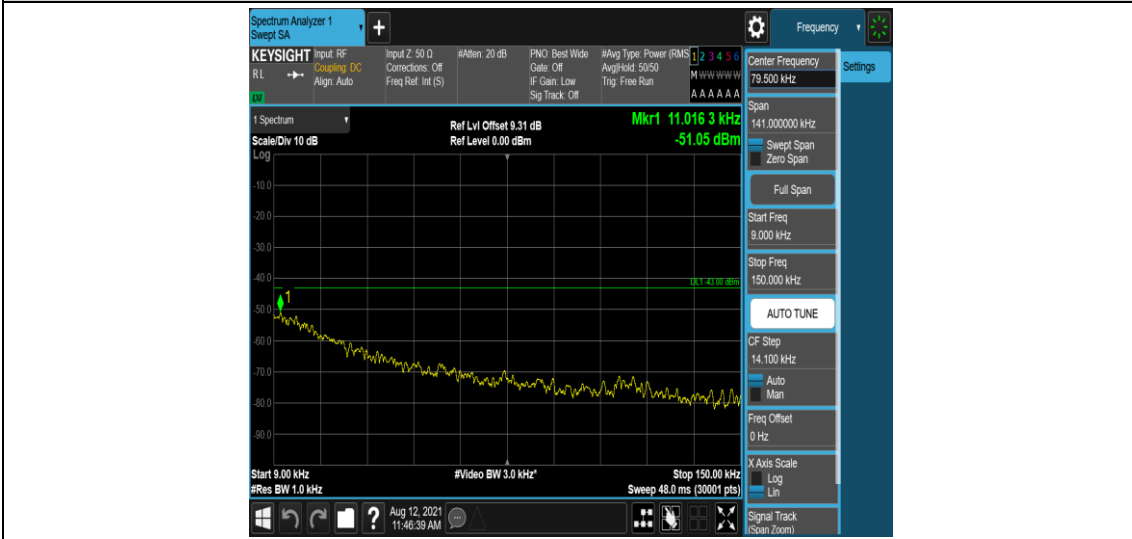
Band66-20MHz-16QAM-132322-1-0-Low-1000-5000--35.7-PASS



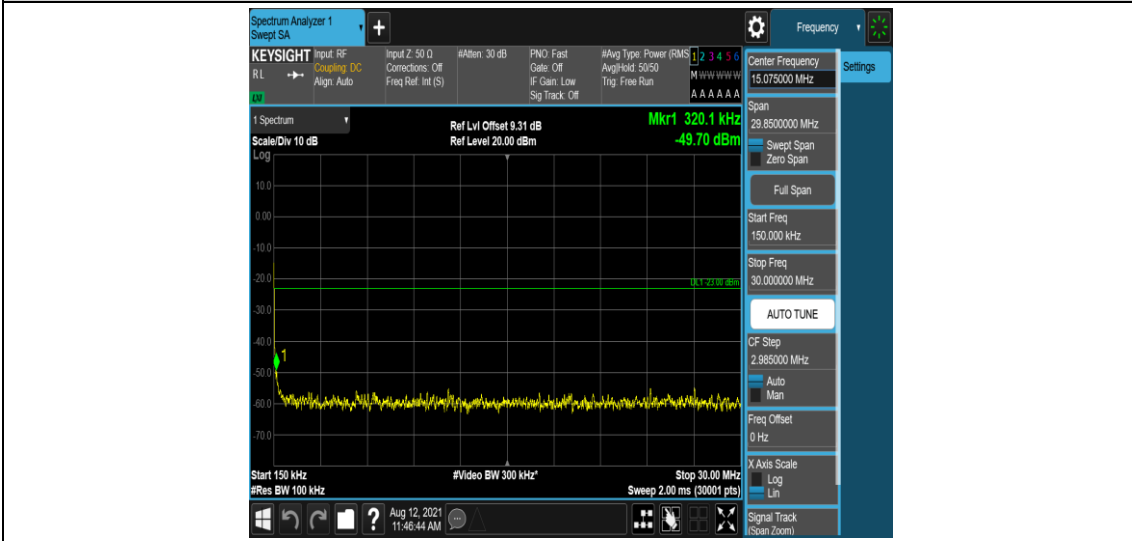
Band66-20MHz-16QAM-132322-1-0-Low-5000-12000--56.96-PASS



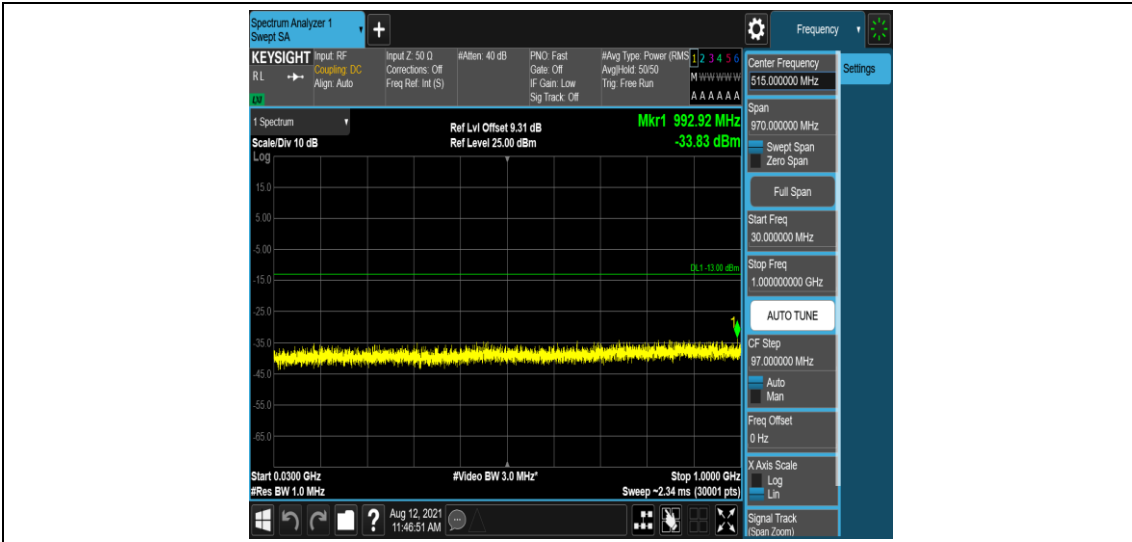
Band66-20MHz-16QAM-132322-1-0-Low-12000-26500--51.57-PASS



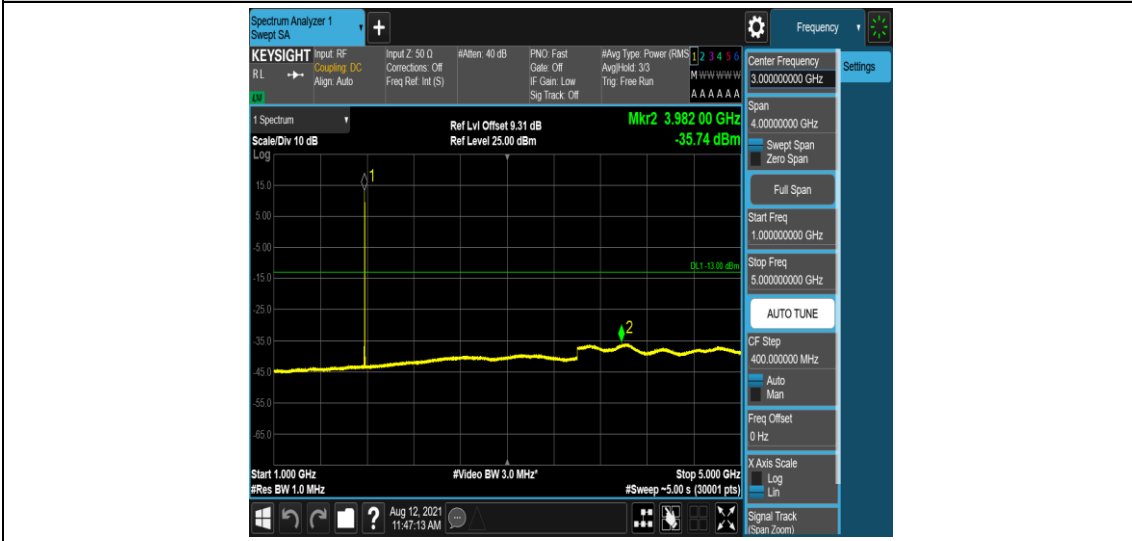
Band66-20MHz-16QAM-132572-1-0-High-0.009-0.15--51.05-PASS



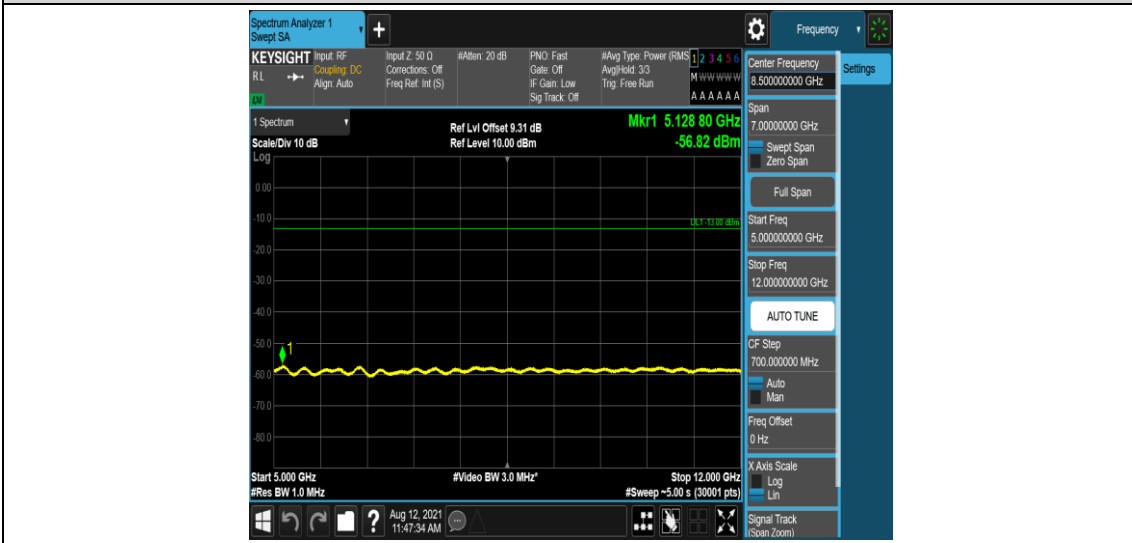
Band66-20MHz-16QAM-132572-1-0-High-0.15-30--49.7-PASS



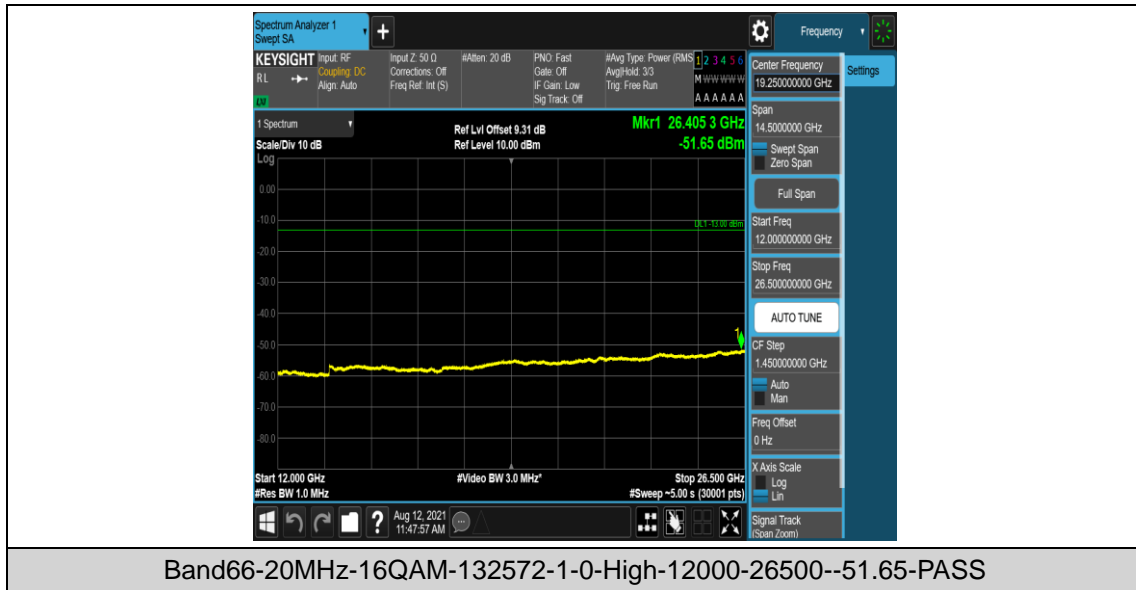
Band66-20MHz-16QAM-132572-1-0-High-30-1000--33.83-PASS



Band66-20MHz-16QAM-132572-1-0-High-1000-5000--35.74-PASS



Band66-20MHz-16QAM-132572-1-0-High-5000-12000--56.82-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	2.7	0.001578	± 2.5	PASS
		VN	TN	2.12	0.001239	± 2.5	PASS
		VH	TN	3.19	0.001865	± 2.5	PASS
	MCH	VL	TN	4.95	0.002837	± 2.5	PASS
		VN	TN	-1.38	-0.000791	± 2.5	PASS
		VH	TN	1.55	0.000888	± 2.5	PASS
	HCH	VL	TN	-0.52	-0.000292	± 2.5	PASS
		VN	TN	0.32	0.000180	± 2.5	PASS
		VH	TN	-1.7	-0.000955	± 2.5	PASS
16QAM	LCH	VL	TN	-0.54	-0.000316	± 2.5	PASS
		VN	TN	4.36	0.002549	± 2.5	PASS
		VH	TN	4.71	0.002753	± 2.5	PASS
	MCH	VL	TN	3.23	0.001851	± 2.5	PASS
		VN	TN	1.51	0.000865	± 2.5	PASS
		VH	TN	-1.54	-0.000883	± 2.5	PASS
	HCH	VL	TN	4.94	0.002776	± 2.5	PASS
		VN	TN	-0.38	-0.000214	± 2.5	PASS
		VH	TN	-0.35	-0.000197	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.44	-0.000842	± 2.5	PASS
		VN	-20	0.54	0.000316	± 2.5	PASS
		VN	-10	4.16	0.002432	± 2.5	PASS
		VN	0	-1.06	-0.000620	± 2.5	PASS
		VN	10	-1.42	-0.000830	± 2.5	PASS
		VN	20	1.03	0.000602	± 2.5	PASS
		VN	30	3.67	0.002145	± 2.5	PASS
		VN	40	3.19	0.001865	± 2.5	PASS
		VN	50	0.55	0.000322	± 2.5	PASS
	MCH	VN	-30	3.28	0.001880	± 2.5	PASS

		VN	-20	0.16	0.000092	± 2.5	PASS
		VN	-10	2.83	0.001622	± 2.5	PASS
		VN	0	1.93	0.001106	± 2.5	PASS
		VN	10	3.45	0.001977	± 2.5	PASS
		VN	20	3.86	0.002212	± 2.5	PASS
		VN	30	1.17	0.000670	± 2.5	PASS
		VN	40	1.97	0.001129	± 2.5	PASS
		VN	50	2.82	0.001616	± 2.5	PASS
	HCH	VN	-30	1.07	0.000601	± 2.5	PASS
		VN	-20	1.46	0.000821	± 2.5	PASS
		VN	-10	4.15	0.002332	± 2.5	PASS
		VN	0	-0.04	-0.000022	± 2.5	PASS
		VN	10	-0.47	-0.000264	± 2.5	PASS
		VN	20	3.29	0.001849	± 2.5	PASS
		VN	30	4.17	0.002344	± 2.5	PASS
		VN	40	3.24	0.001821	± 2.5	PASS
		VN	50	1.42	0.000798	± 2.5	PASS
		16QAM	LCH	VN	-30	1.2	0.000701
VN	-20			2.25	0.001315	± 2.5	PASS
VN	-10			4.43	0.002590	± 2.5	PASS
VN	0			0.57	0.000333	± 2.5	PASS
VN	10			-0.18	-0.000105	± 2.5	PASS
VN	20			-1.3	-0.000760	± 2.5	PASS
VN	30			3.1	0.001812	± 2.5	PASS
VN	40			-1.68	-0.000982	± 2.5	PASS
VN	50			-1.51	-0.000883	± 2.5	PASS
MCH	VN		-30	1.35	0.000774	± 2.5	PASS
	VN		-20	3.27	0.001874	± 2.5	PASS
	VN		-10	1.48	0.000848	± 2.5	PASS
	VN		0	1.01	0.000579	± 2.5	PASS
	VN		10	4.41	0.002527	± 2.5	PASS
	VN		20	3.82	0.002189	± 2.5	PASS
	VN		30	3.67	0.002103	± 2.5	PASS
	VN		40	-1.75	-0.001003	± 2.5	PASS
	VN		50	1.13	0.000648	± 2.5	PASS
HCH	VN		-30	1.52	0.000854	± 2.5	PASS
	VN		-20	4.95	0.002782	± 2.5	PASS
	VN		-10	4	0.002248	± 2.5	PASS
	VN		0	3.85	0.002164	± 2.5	PASS
	VN		10	-0.97	-0.000545	± 2.5	PASS
	VN		20	-1.63	-0.000916	± 2.5	PASS

		VN	30	-1.47	-0.000826	± 2.5	PASS
		VN	40	-1.24	-0.000697	± 2.5	PASS
		VN	50	1.92	0.001079	± 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	2.84	0.001659	± 2.5	PASS
		VN	TN	3.65	0.002133	± 2.5	PASS
		VH	TN	-1.06	-0.000619	± 2.5	PASS
	MCH	VL	TN	0.28	0.000160	± 2.5	PASS
		VN	TN	-1.79	-0.001026	± 2.5	PASS
		VH	TN	1.76	0.001009	± 2.5	PASS
	HCH	VL	TN	3.43	0.001928	± 2.5	PASS
		VN	TN	1.26	0.000708	± 2.5	PASS
		VH	TN	-1.62	-0.000910	± 2.5	PASS
16QAM	LCH	VL	TN	-1.06	-0.000619	± 2.5	PASS
		VN	TN	2.55	0.001490	± 2.5	PASS
		VH	TN	1.52	0.000888	± 2.5	PASS
	MCH	VL	TN	2.71	0.001553	± 2.5	PASS
		VN	TN	-1.92	-0.001100	± 2.5	PASS
		VH	TN	0.8	0.000458	± 2.5	PASS
	HCH	VL	TN	4.26	0.002394	± 2.5	PASS
		VN	TN	0.42	0.000236	± 2.5	PASS
		VH	TN	2.43	0.001366	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.62	0.002115	± 2.5	PASS
		VN	-20	1.01	0.000590	± 2.5	PASS
		VN	-10	-1.73	-0.001011	± 2.5	PASS
		VN	0	1.94	0.001134	± 2.5	PASS
		VN	10	-1.56	-0.000911	± 2.5	PASS
		VN	20	0.94	0.000549	± 2.5	PASS
		VN	30	-1.28	-0.000748	± 2.5	PASS
		VN	40	2.09	0.001221	± 2.5	PASS
		VN	50	-1.84	-0.001075	± 2.5	PASS
	MCH	VN	-30	-0.93	-0.000533	± 2.5	PASS
		VN	-20	4.34	0.002487	± 2.5	PASS

		VN	-10	-0.14	-0.000080	± 2.5	PASS		
		VN	0	1.61	0.000923	± 2.5	PASS		
		VN	10	2.12	0.001215	± 2.5	PASS		
		VN	20	4.83	0.002768	± 2.5	PASS		
		VN	30	-0.48	-0.000275	± 2.5	PASS		
		VN	40	2.4	0.001375	± 2.5	PASS		
		VN	50	0.63	0.000361	± 2.5	PASS		
	HCH	VN	-30	2.99	0.001680	± 2.5	PASS		
		VN	-20	-0.12	-0.000067	± 2.5	PASS		
		VN	-10	-0.74	-0.000416	± 2.5	PASS		
		VN	0	2.7	0.001517	± 2.5	PASS		
		VN	10	2.7	0.001517	± 2.5	PASS		
		VN	20	4.86	0.002731	± 2.5	PASS		
		VN	30	4.41	0.002479	± 2.5	PASS		
		VN	40	2.46	0.001383	± 2.5	PASS		
		VN	50	-0.58	-0.000326	± 2.5	PASS		
		16QAM	LCH	VN	-30	2.8	0.001636	± 2.5	PASS
				VN	-20	1.11	0.000649	± 2.5	PASS
VN	-10			0.82	0.000479	± 2.5	PASS		
VN	0			0.84	0.000491	± 2.5	PASS		
VN	10			-0.49	-0.000286	± 2.5	PASS		
VN	20			-1.86	-0.001087	± 2.5	PASS		
VN	30			1.52	0.000888	± 2.5	PASS		
VN	40			2.14	0.001250	± 2.5	PASS		
VN	50			0.42	0.000245	± 2.5	PASS		
MCH	VN		-30	-0.3	-0.000172	± 2.5	PASS		
	VN		-20	4.91	0.002814	± 2.5	PASS		
	VN		-10	4.48	0.002567	± 2.5	PASS		
	VN		0	4.66	0.002670	± 2.5	PASS		
	VN		10	3.42	0.001960	± 2.5	PASS		
	VN		20	4.18	0.002395	± 2.5	PASS		
	VN		30	0.46	0.000264	± 2.5	PASS		
	VN		40	-0.72	-0.000413	± 2.5	PASS		
	VN		50	4.12	0.002361	± 2.5	PASS		
HCH	VN		-30	0.71	0.000399	± 2.5	PASS		
	VN		-20	2.27	0.001276	± 2.5	PASS		
	VN		-10	0.46	0.000259	± 2.5	PASS		
	VN		0	-1.38	-0.000776	± 2.5	PASS		
	VN		10	1.66	0.000933	± 2.5	PASS		
	VN		20	3.46	0.001945	± 2.5	PASS		
	VN		30	4.35	0.002445	± 2.5	PASS		

		VN	40	4.66	0.002619	± 2.5	PASS
		VN	50	-1.16	-0.000652	± 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	2.58	0.001507	± 2.5	PASS
		VN	TN	3.44	0.002009	± 2.5	PASS
		VH	TN	0.06	0.000035	± 2.5	PASS
	MCH	VL	TN	1.92	0.001100	± 2.5	PASS
		VN	TN	3.1	0.001777	± 2.5	PASS
		VH	TN	2.99	0.001713	± 2.5	PASS
	HCH	VL	TN	-0.47	-0.000264	± 2.5	PASS
		VN	TN	2.75	0.001546	± 2.5	PASS
		VH	TN	4.54	0.002553	± 2.5	PASS
16QAM	LCH	VL	TN	1.99	0.001162	± 2.5	PASS
		VN	TN	-1.04	-0.000607	± 2.5	PASS
		VH	TN	-0.32	-0.000187	± 2.5	PASS
	MCH	VL	TN	2.7	0.001547	± 2.5	PASS
		VN	TN	0.53	0.000304	± 2.5	PASS
		VH	TN	0.56	0.000321	± 2.5	PASS
	HCH	VL	TN	2.24	0.001259	± 2.5	PASS
		VN	TN	4.13	0.002322	± 2.5	PASS
		VH	TN	2.63	0.001479	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.05	0.001197	± 2.5	PASS
		VN	-20	4.81	0.002809	± 2.5	PASS
		VN	-10	3.52	0.002055	± 2.5	PASS
		VN	0	4.92	0.002873	± 2.5	PASS
		VN	10	0.1	0.000058	± 2.5	PASS
		VN	20	1.57	0.000917	± 2.5	PASS
		VN	30	-1.11	-0.000648	± 2.5	PASS
		VN	40	0	0.000000	± 2.5	PASS
		VN	50	0.1	0.000058	± 2.5	PASS
	MCH	VN	-30	2.74	0.001570	± 2.5	PASS
		VN	-20	3.1	0.001777	± 2.5	PASS
		VN	-10	-0.6	-0.000344	± 2.5	PASS

		VN	0	2.49	0.001427	± 2.5	PASS		
		VN	10	2.06	0.001181	± 2.5	PASS		
		VN	20	-1.03	-0.000590	± 2.5	PASS		
		VN	30	3.47	0.001989	± 2.5	PASS		
		VN	40	4.34	0.002487	± 2.5	PASS		
		VN	50	0.84	0.000481	± 2.5	PASS		
	HCH	VN	-30	4.69	0.002637	± 2.5	PASS		
		VN	-20	-1.92	-0.001080	± 2.5	PASS		
		VN	-10	0.64	0.000360	± 2.5	PASS		
		VN	0	-0.79	-0.000444	± 2.5	PASS		
		VN	10	-1.66	-0.000933	± 2.5	PASS		
		VN	20	-1.46	-0.000821	± 2.5	PASS		
		VN	30	2.65	0.001490	± 2.5	PASS		
		VN	40	-0.12	-0.000067	± 2.5	PASS		
		VN	50	-0.64	-0.000360	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.81	-0.001057	± 2.5	PASS
				VN	-20	0.8	0.000467	± 2.5	PASS
				VN	-10	4.41	0.002575	± 2.5	PASS
VN	0			-0.25	-0.000146	± 2.5	PASS		
VN	10			2.14	0.001250	± 2.5	PASS		
VN	20			2.44	0.001425	± 2.5	PASS		
VN	30			2.65	0.001547	± 2.5	PASS		
VN	40			0.97	0.000566	± 2.5	PASS		
VN	50			-0.24	-0.000140	± 2.5	PASS		
MCH	VN		-30	4.26	0.002441	± 2.5	PASS		
	VN		-20	4.73	0.002711	± 2.5	PASS		
	VN		-10	2.54	0.001456	± 2.5	PASS		
	VN		0	1.79	0.001026	± 2.5	PASS		
	VN		10	2.15	0.001232	± 2.5	PASS		
	VN		20	3.31	0.001897	± 2.5	PASS		
	VN		30	1.95	0.001117	± 2.5	PASS		
	VN		40	-0.03	-0.000017	± 2.5	PASS		
	VN		50	1.31	0.000751	± 2.5	PASS		
HCH	VN		-30	-0.51	-0.000287	± 2.5	PASS		
	VN		-20	1.64	0.000922	± 2.5	PASS		
	VN		-10	0.67	0.000377	± 2.5	PASS		
	VN		0	-0.66	-0.000371	± 2.5	PASS		
	VN		10	-0.38	-0.000214	± 2.5	PASS		
	VN		20	2.95	0.001659	± 2.5	PASS		
	VN		30	0.21	0.000118	± 2.5	PASS		
	VN		40	0.13	0.000073	± 2.5	PASS		

		VN	50	-1.07	-0.000602	± 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	-1.58	-0.000921	± 2.5	PASS
		VN	TN	4.22	0.002461	± 2.5	PASS
		VH	TN	-0.58	-0.000338	± 2.5	PASS
	MCH	VL	TN	4.3	0.002464	± 2.5	PASS
		VN	TN	1.89	0.001083	± 2.5	PASS
		VH	TN	1.66	0.000951	± 2.5	PASS
	HCH	VL	TN	4.29	0.002414	± 2.5	PASS
		VN	TN	3.62	0.002037	± 2.5	PASS
		VH	TN	0.48	0.000270	± 2.5	PASS
16QAM	LCH	VL	TN	-1.2	-0.000700	± 2.5	PASS
		VN	TN	0.66	0.000385	± 2.5	PASS
		VH	TN	3.88	0.002262	± 2.5	PASS
	MCH	VL	TN	-0.09	-0.000052	± 2.5	PASS
		VN	TN	-0.43	-0.000246	± 2.5	PASS
		VH	TN	4.7	0.002693	± 2.5	PASS
	HCH	VL	TN	2.34	0.001316	± 2.5	PASS
		VN	TN	1.5	0.000844	± 2.5	PASS
		VH	TN	1.3	0.000731	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.94	0.001714	± 2.5	PASS
		VN	-20	-0.49	-0.000286	± 2.5	PASS
		VN	-10	-0.64	-0.000373	± 2.5	PASS
		VN	0	-0.09	-0.000052	± 2.5	PASS
		VN	10	1.64	0.000956	± 2.5	PASS
		VN	20	-0.93	-0.000542	± 2.5	PASS
		VN	30	4.44	0.002589	± 2.5	PASS
		VN	40	3.28	0.001913	± 2.5	PASS
		VN	50	1.6	0.000933	± 2.5	PASS
	MCH	VN	-30	2.62	0.001501	± 2.5	PASS
		VN	-20	-0.97	-0.000556	± 2.5	PASS
		VN	-10	1.35	0.000774	± 2.5	PASS
		VN	0	0.68	0.000390	± 2.5	PASS

		VN	10	2.79	0.001599	± 2.5	PASS
		VN	20	3.18	0.001822	± 2.5	PASS
		VN	30	4.56	0.002613	± 2.5	PASS
		VN	40	2.19	0.001255	± 2.5	PASS
		VN	50	3.31	0.001897	± 2.5	PASS
	HCH	VN	-30	4.31	0.002425	± 2.5	PASS
		VN	-20	-0.11	-0.000062	± 2.5	PASS
		VN	-10	2.49	0.001401	± 2.5	PASS
		VN	0	1.77	0.000996	± 2.5	PASS
		VN	10	4.79	0.002695	± 2.5	PASS
		VN	20	2.74	0.001541	± 2.5	PASS
		VN	30	3.5	0.001969	± 2.5	PASS
		VN	40	0.47	0.000264	± 2.5	PASS
		VN	50	2.99	0.001682	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.86	-0.000501
VN	-20			4.5	0.002624	± 2.5	PASS
VN	-10			2.21	0.001289	± 2.5	PASS
VN	0			-0.78	-0.000455	± 2.5	PASS
VN	10			2.08	0.001213	± 2.5	PASS
VN	20			4.24	0.002472	± 2.5	PASS
VN	30			-0.26	-0.000152	± 2.5	PASS
VN	40			4.72	0.002752	± 2.5	PASS
VN	50			2.96	0.001726	± 2.5	PASS
MCH	VN		-30	1.05	0.000602	± 2.5	PASS
	VN		-20	0.87	0.000499	± 2.5	PASS
	VN		-10	-0.6	-0.000344	± 2.5	PASS
	VN		0	3.28	0.001880	± 2.5	PASS
	VN		10	-1.38	-0.000791	± 2.5	PASS
	VN		20	4.51	0.002585	± 2.5	PASS
	VN	30	1	0.000573	± 2.5	PASS	
	VN	40	-1.44	-0.000825	± 2.5	PASS	
	VN	50	3.99	0.002287	± 2.5	PASS	
HCH	VN	-30	3.54	0.001992	± 2.5	PASS	
	VN	-20	-1.69	-0.000951	± 2.5	PASS	
	VN	-10	1.49	0.000838	± 2.5	PASS	
	VN	0	-0.96	-0.000540	± 2.5	PASS	
	VN	10	3.34	0.001879	± 2.5	PASS	
	VN	20	4.55	0.002560	± 2.5	PASS	
	VN	30	0.22	0.000124	± 2.5	PASS	
	VN	40	4.77	0.002684	± 2.5	PASS	
	VN	50	4.97	0.002796	± 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	-1.52	-0.000885	± 2.5	PASS
		VN	TN	4.5	0.002620	± 2.5	PASS
		VH	TN	3.06	0.001782	± 2.5	PASS
	MCH	VL	TN	1.54	0.000883	± 2.5	PASS
		VN	TN	1.06	0.000607	± 2.5	PASS
		VH	TN	3.77	0.002160	± 2.5	PASS
	HCH	VL	TN	2.14	0.001206	± 2.5	PASS
		VN	TN	2.99	0.001685	± 2.5	PASS
		VH	TN	2.58	0.001454	± 2.5	PASS
16QAM	LCH	VL	TN	3.41	0.001985	± 2.5	PASS
		VN	TN	1.84	0.001071	± 2.5	PASS
		VH	TN	-1.07	-0.000623	± 2.5	PASS
	MCH	VL	TN	4.51	0.002585	± 2.5	PASS
		VN	TN	3.55	0.002034	± 2.5	PASS
		VH	TN	-0.03	-0.000017	± 2.5	PASS
	HCH	VL	TN	-0.93	-0.000524	± 2.5	PASS
		VN	TN	4.74	0.002670	± 2.5	PASS
		VH	TN	-0.84	-0.000473	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.001520	0.001520	± 2.5	PASS
		VN	-20	-0.000769	-0.000769	± 2.5	PASS
		VN	-10	0.001770	0.001770	± 2.5	PASS
		VN	0	-0.000728	-0.000728	± 2.5	PASS
		VN	10	0.001729	0.001729	± 2.5	PASS
		VN	20	-0.000017	-0.000017	± 2.5	PASS
		VN	30	-0.000477	-0.000477	± 2.5	PASS
		VN	40	0.002160	0.002160	± 2.5	PASS
		VN	50	0.001118	0.001118	± 2.5	PASS
	MCH	VN	-30	0.000006	0.000006	± 2.5	PASS
		VN	-20	0.001129	0.001129	± 2.5	PASS
		VN	-10	0.002711	0.002711	± 2.5	PASS
		VN	0	0.001530	0.001530	± 2.5	PASS
		VN	10	0.001605	0.001605	± 2.5	PASS

		VN	20	0.002166	0.002166	± 2.5	PASS
		VN	30	0.001496	0.001496	± 2.5	PASS
		VN	40	-0.000762	-0.000762	± 2.5	PASS
		VN	50	0.000252	0.000252	± 2.5	PASS
	HCH	VN	-30	0.001566	0.001566	± 2.5	PASS
		VN	-20	0.002586	0.002586	± 2.5	PASS
		VN	-10	0.002721	0.002721	± 2.5	PASS
		VN	0	0.002704	0.002704	± 2.5	PASS
		VN	10	0.001380	0.001380	± 2.5	PASS
		VN	20	0.000073	0.000073	± 2.5	PASS
		VN	30	0.000169	0.000169	± 2.5	PASS
		VN	40	0.001825	0.001825	± 2.5	PASS
		VN	50	0.001668	0.001668	± 2.5	PASS
16QAM	LCH	VN	-30	0.000751	0.000751	± 2.5	PASS
		VN	-20	0.002847	0.002847	± 2.5	PASS
		VN	-10	0.000396	0.000396	± 2.5	PASS
		VN	0	0.000332	0.000332	± 2.5	PASS
		VN	10	0.001630	0.001630	± 2.5	PASS
		VN	20	0.000268	0.000268	± 2.5	PASS
		VN	30	0.000210	0.000210	± 2.5	PASS
		VN	40	0.001229	0.001229	± 2.5	PASS
		VN	50	0.001508	0.001508	± 2.5	PASS
	MCH	VN	-30	0.000166	0.000166	± 2.5	PASS
		VN	-20	-0.000693	-0.000693	± 2.5	PASS
		VN	-10	0.002424	0.002424	± 2.5	PASS
		VN	0	-0.000034	-0.000034	± 2.5	PASS
		VN	10	0.002160	0.002160	± 2.5	PASS
		VN	20	0.000350	0.000350	± 2.5	PASS
		VN	30	0.000464	0.000464	± 2.5	PASS
		VN	40	0.001215	0.001215	± 2.5	PASS
		VN	50	0.000785	0.000785	± 2.5	PASS
	HCH	VN	-30	-0.001121	-0.001121	± 2.5	PASS
		VN	-20	0.002214	0.002214	± 2.5	PASS
		VN	-10	0.000152	0.000152	± 2.5	PASS
		VN	0	-0.000541	-0.000541	± 2.5	PASS
		VN	10	0.000141	0.000141	± 2.5	PASS
		VN	20	0.000214	0.000214	± 2.5	PASS
		VN	30	-0.000068	-0.000068	± 2.5	PASS
		VN	40	0.002056	0.002056	± 2.5	PASS
		VN	50	0.002766	0.002766	± 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	3.66	0.002128	± 2.5	PASS
		VN	TN	0.15	0.000087	± 2.5	PASS
		VH	TN	2.31	0.001343	± 2.5	PASS
	MCH	VL	TN	0.46	0.000264	± 2.5	PASS
		VN	TN	-0.31	-0.000178	± 2.5	PASS
		VH	TN	4.46	0.002556	± 2.5	PASS
	HCH	VL	TN	1.07	0.000604	± 2.5	PASS
		VN	TN	4.77	0.002691	± 2.5	PASS
		VH	TN	2.19	0.001236	± 2.5	PASS
16QAM	LCH	VL	TN	-1.24	-0.000721	± 2.5	PASS
		VN	TN	2.93	0.001703	± 2.5	PASS
		VH	TN	4.26	0.002477	± 2.5	PASS
	MCH	VL	TN	3.21	0.001840	± 2.5	PASS
		VN	TN	3.12	0.001788	± 2.5	PASS
		VH	TN	-1.08	-0.000619	± 2.5	PASS
	HCH	VL	TN	3.25	0.001834	± 2.5	PASS
		VN	TN	-1.12	-0.000632	± 2.5	PASS
		VH	TN	3.31	0.001867	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.48	0.000279	± 2.5	PASS
		VN	-20	1.08	0.000628	± 2.5	PASS
		VN	-10	4.85	0.002820	± 2.5	PASS
		VN	0	1.25	0.000727	± 2.5	PASS
		VN	10	4.15	0.002413	± 2.5	PASS
		VN	20	-0.17	-0.000099	± 2.5	PASS
		VN	30	1.11	0.000645	± 2.5	PASS
		VN	40	2.85	0.001657	± 2.5	PASS
	MCH	VN	50	0.01	0.000006	± 2.5	PASS
		VN	-30	1.86	0.001066	± 2.5	PASS
		VN	-20	0.61	0.000350	± 2.5	PASS
		VN	-10	0.5	0.000287	± 2.5	PASS
		VN	0	-1.67	-0.000957	± 2.5	PASS
		VN	10	4.53	0.002596	± 2.5	PASS
VN	20	-0.18	-0.000103	± 2.5	PASS		

		VN	30	3.71	0.002126	± 2.5	PASS
		VN	40	-0.58	-0.000332	± 2.5	PASS
		VN	50	3.75	0.002149	± 2.5	PASS
	HCH	VN	-30	-1.45	-0.000818	± 2.5	PASS
		VN	-20	4.19	0.002364	± 2.5	PASS
		VN	-10	2.68	0.001512	± 2.5	PASS
		VN	0	1.95	0.001100	± 2.5	PASS
		VN	10	4.84	0.002731	± 2.5	PASS
		VN	20	-0.98	-0.000553	± 2.5	PASS
		VN	30	2.18	0.001230	± 2.5	PASS
		VN	40	2.1	0.001185	± 2.5	PASS
		VN	50	4.16	0.002347	± 2.5	PASS
16QAM	LCH	VN	-30	0.84	0.000488	± 2.5	PASS
		VN	-20	-1.51	-0.000878	± 2.5	PASS
		VN	-10	1.51	0.000878	± 2.5	PASS
		VN	0	1.08	0.000628	± 2.5	PASS
		VN	10	2.8	0.001628	± 2.5	PASS
		VN	20	3.92	0.002279	± 2.5	PASS
		VN	30	-1.17	-0.000680	± 2.5	PASS
		VN	40	4.65	0.002703	± 2.5	PASS
		VN	50	2.31	0.001343	± 2.5	PASS
	MCH	VN	-30	1.2	0.000688	± 2.5	PASS
		VN	-20	0.17	0.000097	± 2.5	PASS
		VN	-10	-0.86	-0.000493	± 2.5	PASS
		VN	0	2.19	0.001255	± 2.5	PASS
		VN	10	1.15	0.000659	± 2.5	PASS
		VN	20	2.79	0.001599	± 2.5	PASS
		VN	30	3.26	0.001868	± 2.5	PASS
		VN	40	4.18	0.002395	± 2.5	PASS
		VN	50	4.55	0.002607	± 2.5	PASS
	HCH	VN	-30	-0.91	-0.000513	± 2.5	PASS
		VN	-20	3.2	0.001805	± 2.5	PASS
		VN	-10	0.31	0.000175	± 2.5	PASS
		VN	0	0.72	0.000406	± 2.5	PASS
		VN	10	-0.27	-0.000152	± 2.5	PASS
		VN	20	4.42	0.002494	± 2.5	PASS
		VN	30	3.18	0.001794	± 2.5	PASS
		VN	40	-0.54	-0.000305	± 2.5	PASS
		VN	50	0.21	0.000118	± 2.5	PASS