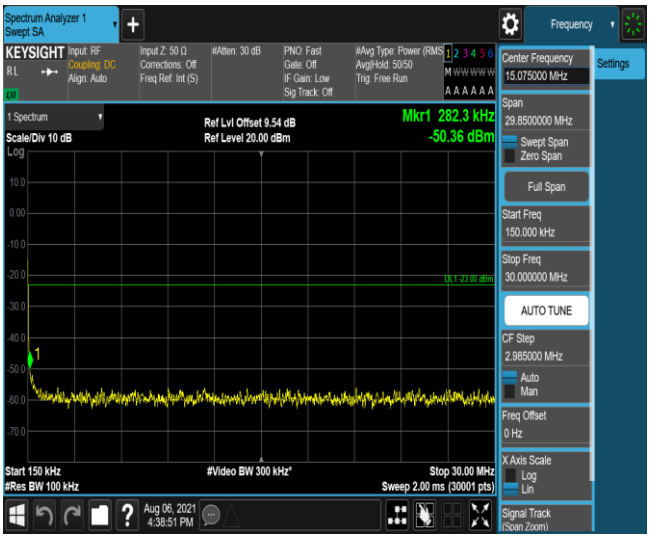
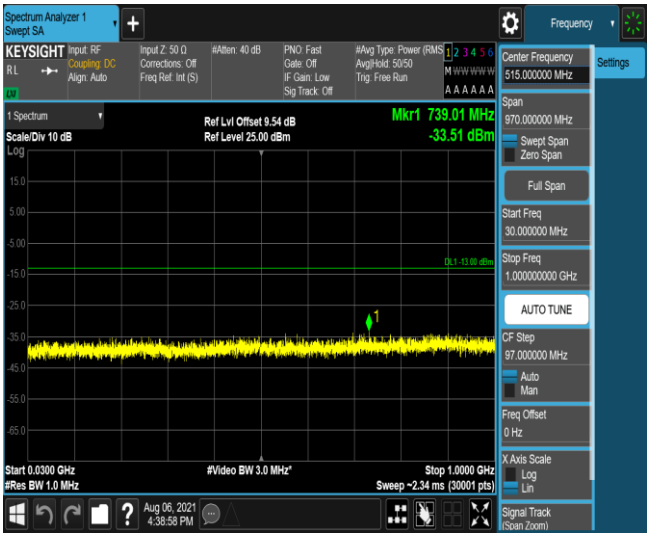
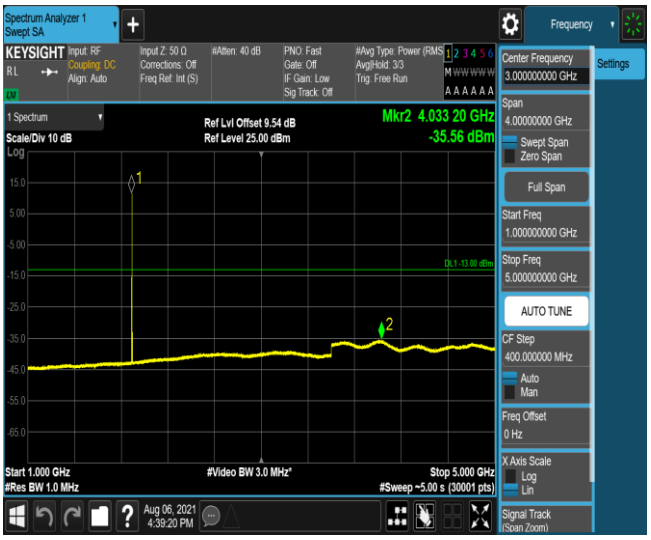


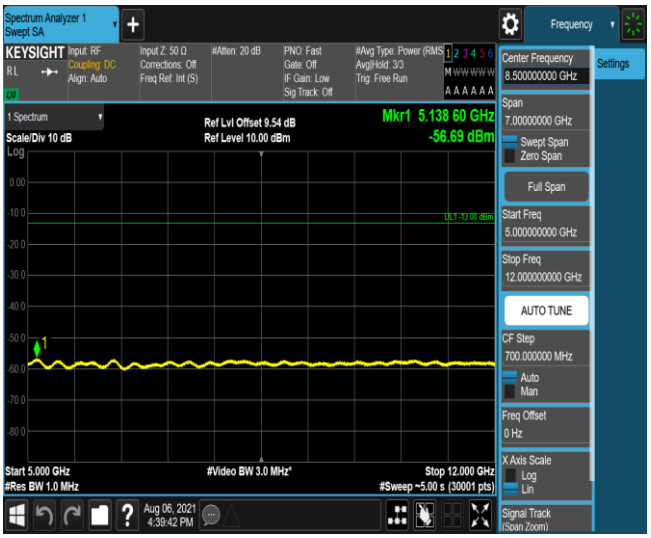
Band2-20MHz-QPSK-19100-6-0-Low-0.15-30--50.36-PASS



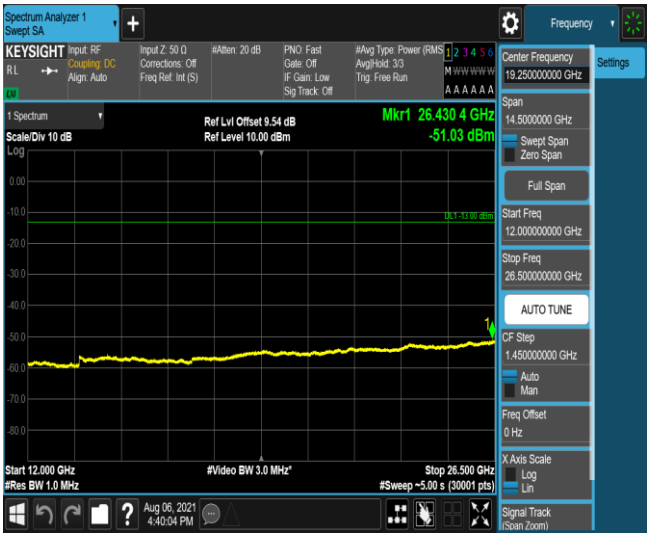
Band2-20MHz-QPSK-19100-6-0-Low-30-1000--33.51-PASS



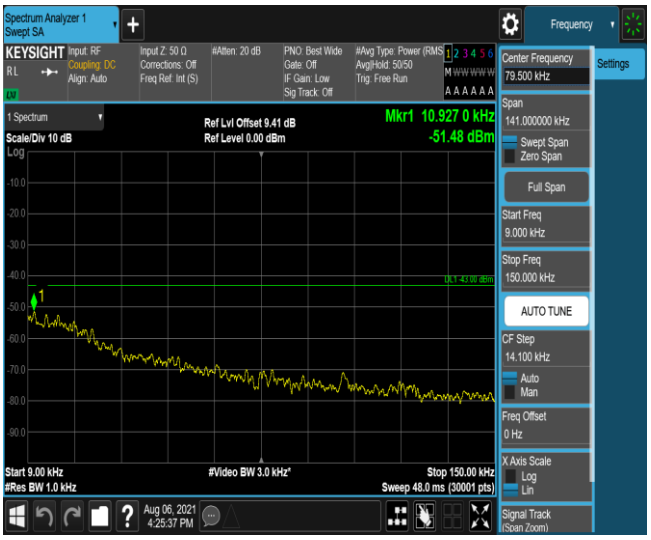
Band2-20MHz-QPSK-19100-6-0-Low-1000-5000--35.56-PASS



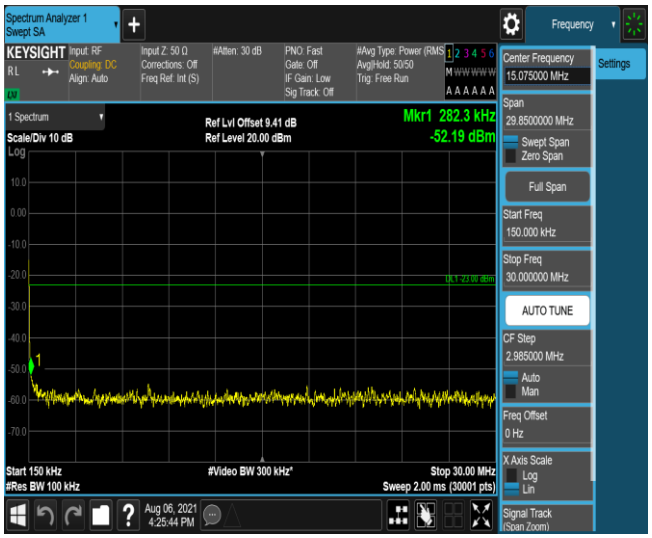
Band2-20MHz-QPSK-19100-6-0-Low-5000-12000--56.69-PASS



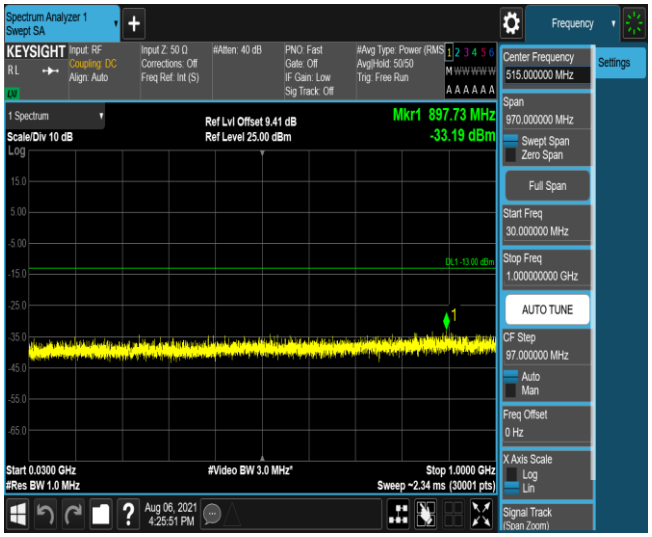
Band2-20MHz-QPSK-19100-6-0-Low-12000-26500--51.03-PASS



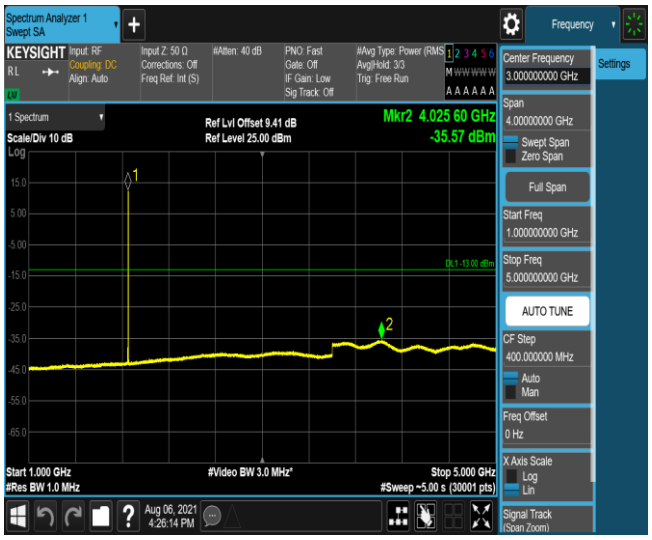
Band2-20MHz-16QAM-18700-1-0-Low-0.009-0.15--51.48-PASS



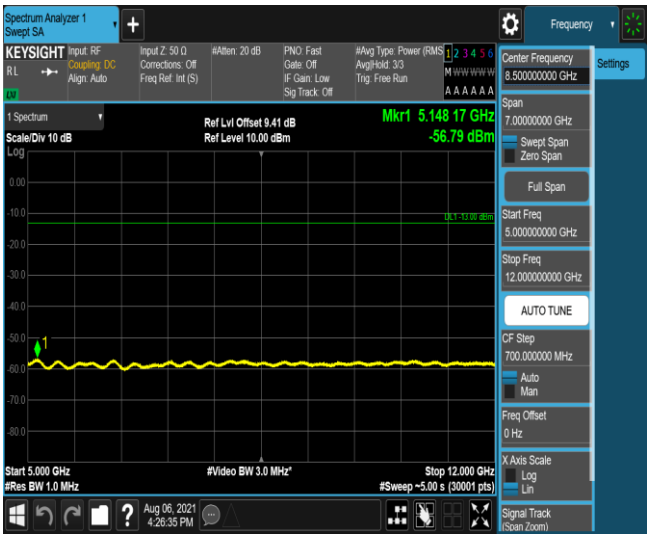
Band2-20MHz-16QAM-18700-1-0-Low-0.15-30--52.19-PASS



Band2-20MHz-16QAM-18700-1-0-Low-30-1000--33.19-PASS

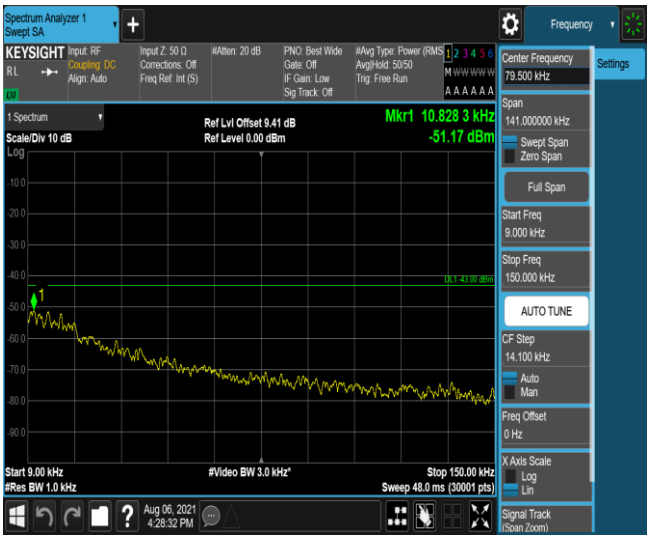


Band2-20MHz-16QAM-18700-1-0-Low-1000-5000--35.58-PASS

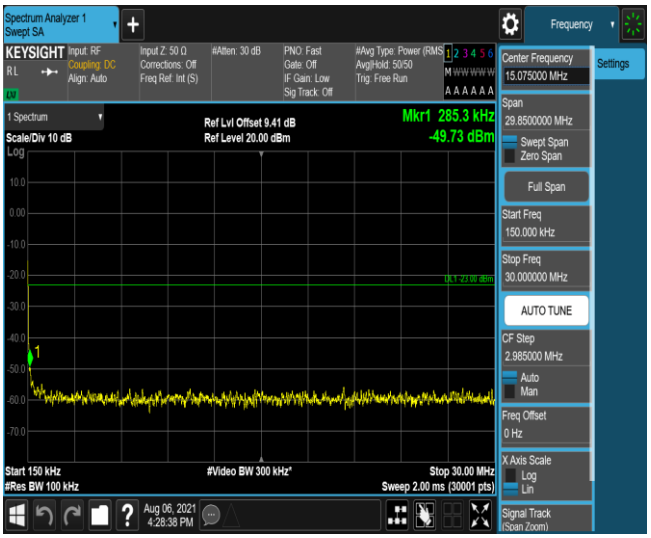


Band2-20MHz-16QAM-18700-1-0-Low-5000-12000--56.79-PASS

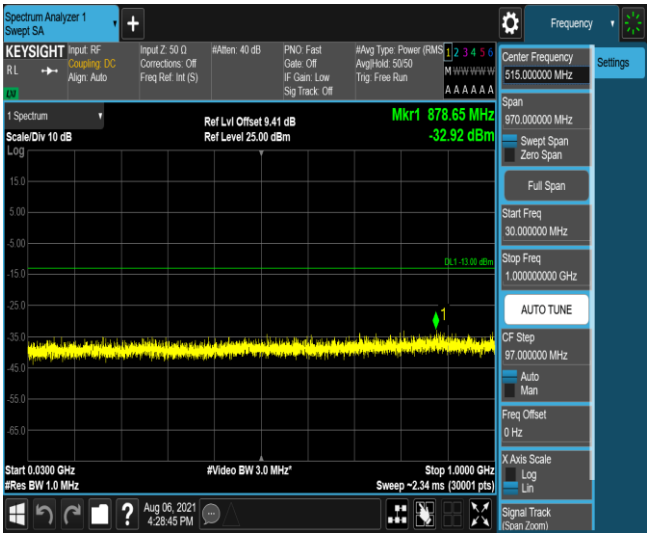
Band2-20MHz-16QAM-18700-1-0-Low-12000-26500--51.28-PASS



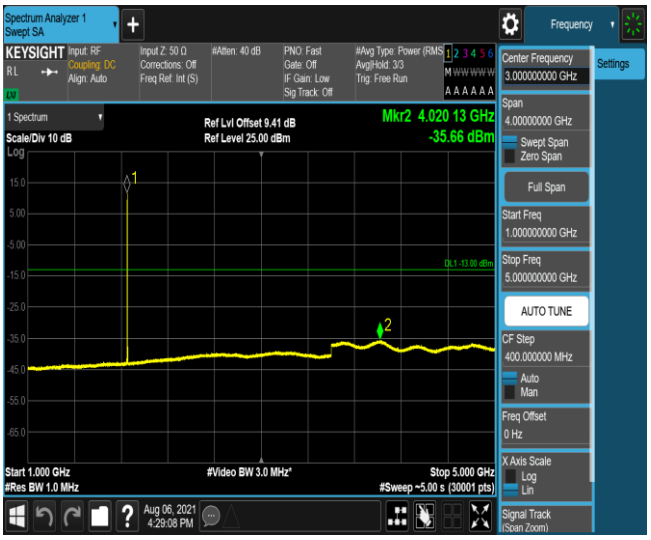
Band2-20MHz-16QAM-18700-6-0-Low-0.009-0.15--51.17-PASS



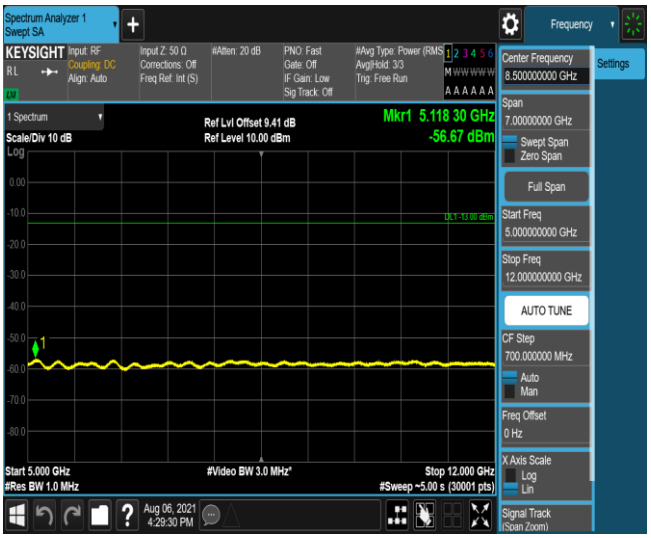
Band2-20MHz-16QAM-18700-6-0-Low-0.15-30--49.73-PASS



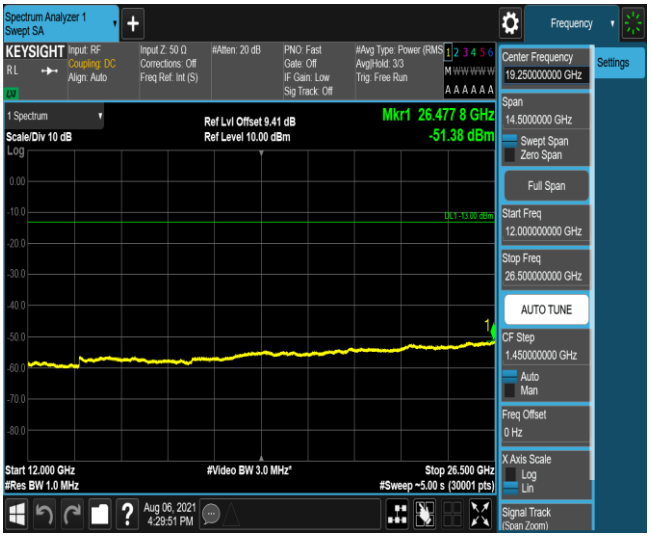
Band2-20MHz-16QAM-18700-6-0-Low-30-1000--32.92-PASS



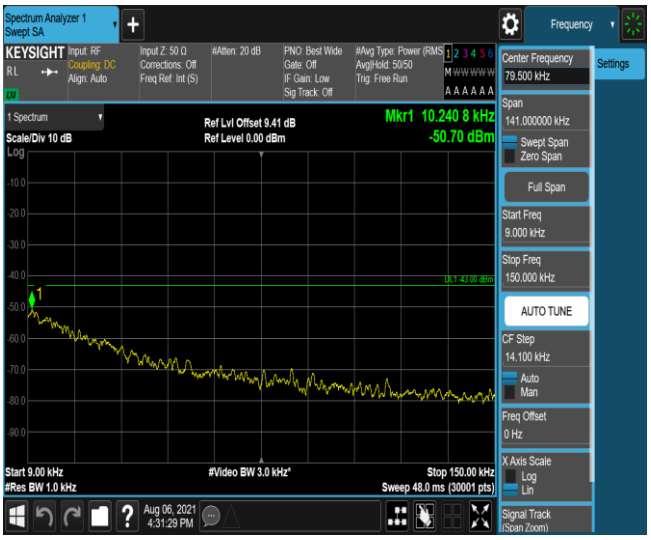
Band2-20MHz-16QAM-18700-6-0-Low-1000-5000--35.66-PASS



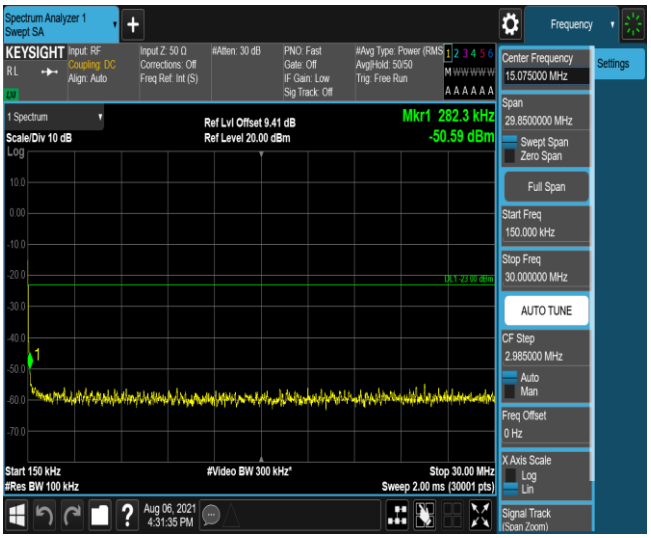
Band2-20MHz-16QAM-18700-6-0-Low-5000-12000--56.67-PASS



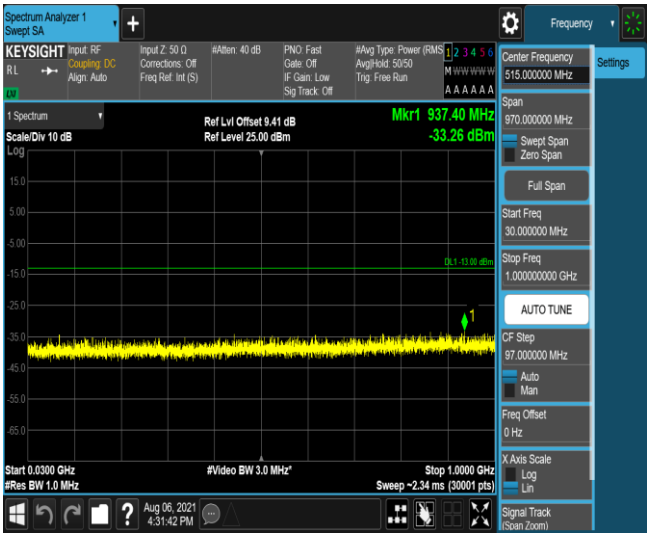
Band2-20MHz-16QAM-18700-6-0-Low-12000-26500--51.38-PASS



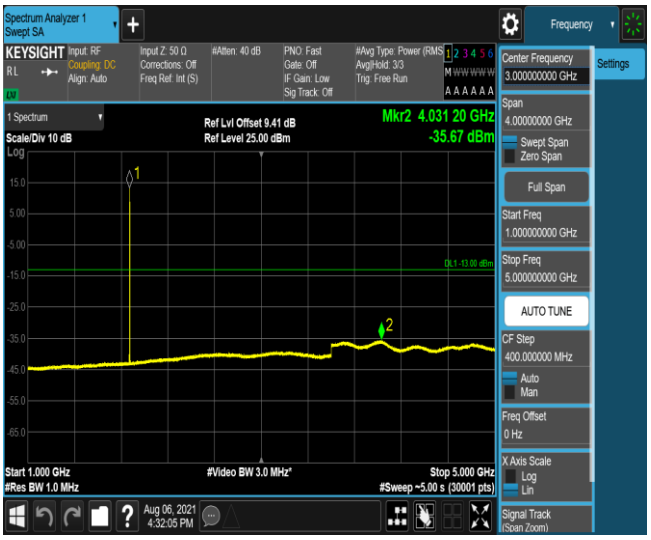
Band2-20MHz-16QAM-18900-1-5-Low-0.009-0.15--50.7-PASS



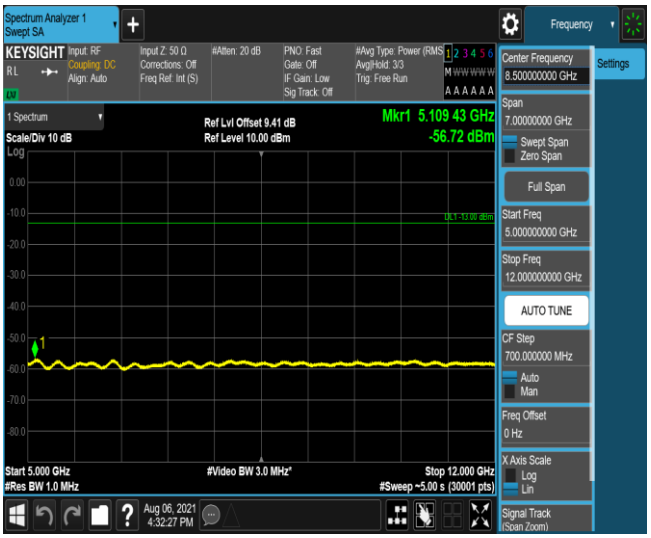
Band2-20MHz-16QAM-18900-1-5-Low-0.15-30--50.59-PASS



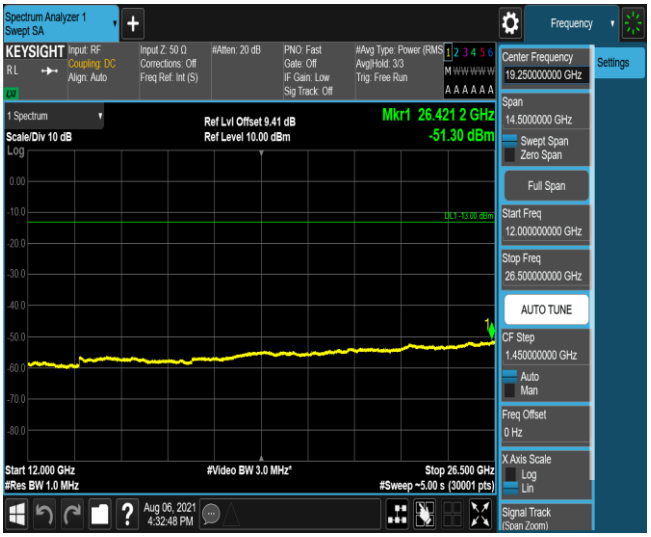
Band2-20MHz-16QAM-18900-1-5-Low-30-1000--33.26-PASS



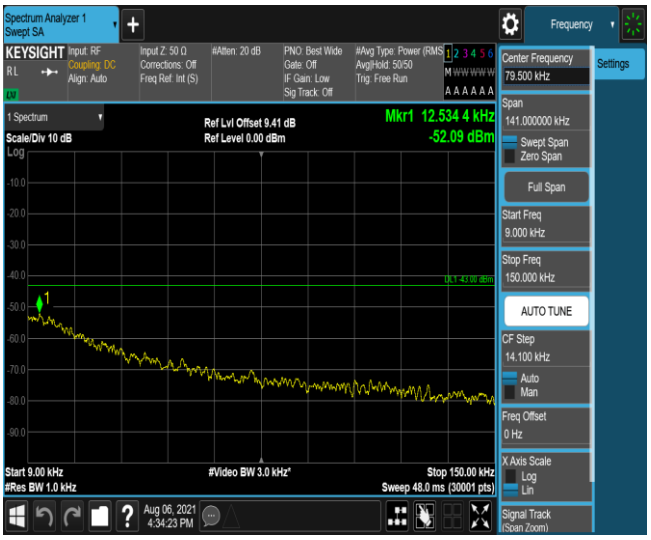
Band2-20MHz-16QAM-18900-1-5-Low-1000-5000--35.67-PASS



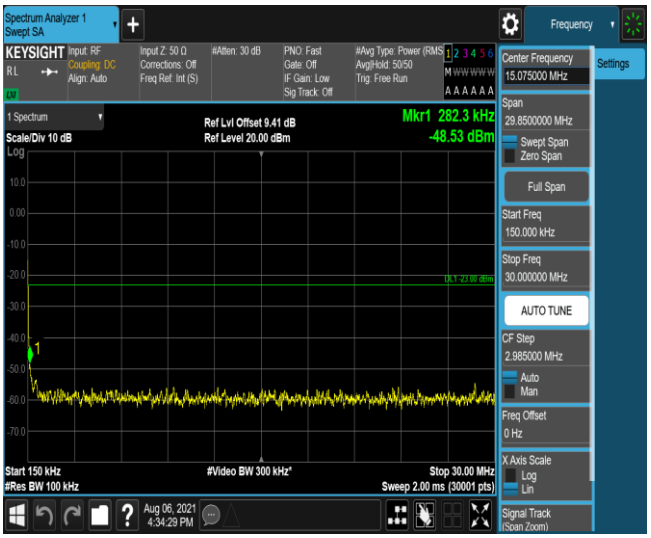
Band2-20MHz-16QAM-18900-1-5-Low-5000-12000--56.72-PASS



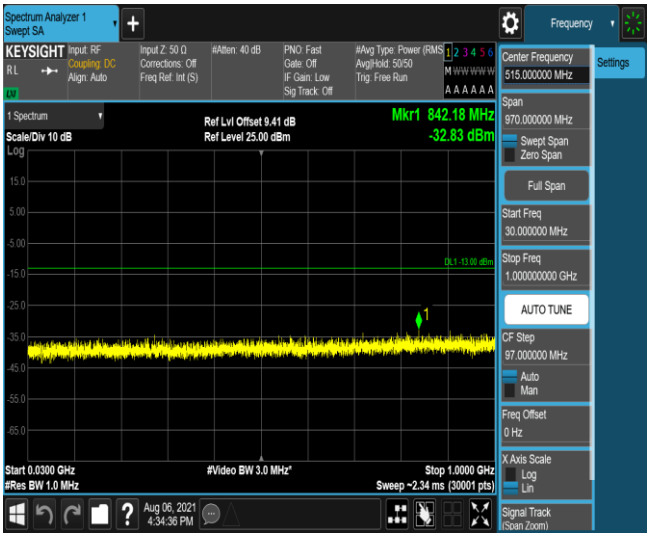
Band2-20MHz-16QAM-18900-1-5-Low-12000-26500--51.3-PASS



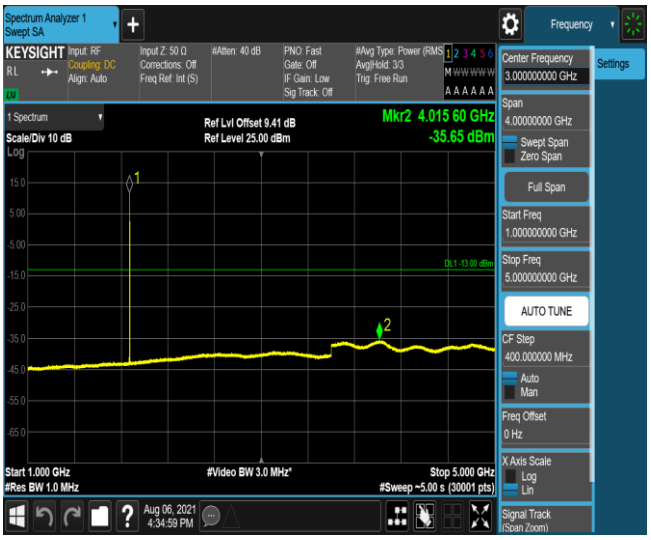
Band2-20MHz-16QAM-18900-6-0-Low-0.009-0.15--52.09-PASS



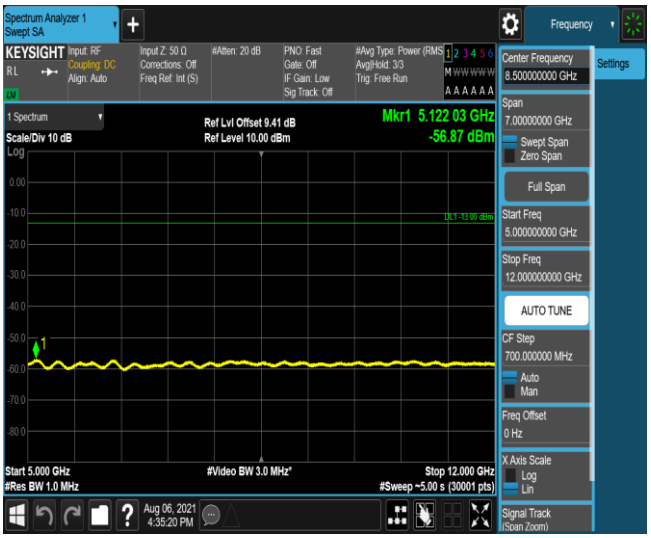
Band2-20MHz-16QAM-18900-6-0-Low-0.15-30--48.53-PASS



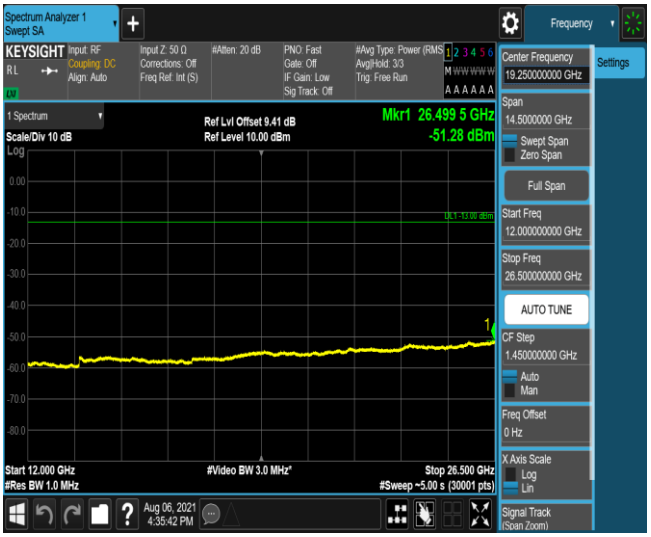
Band2-20MHz-16QAM-18900-6-0-Low-30-1000--32.83-PASS



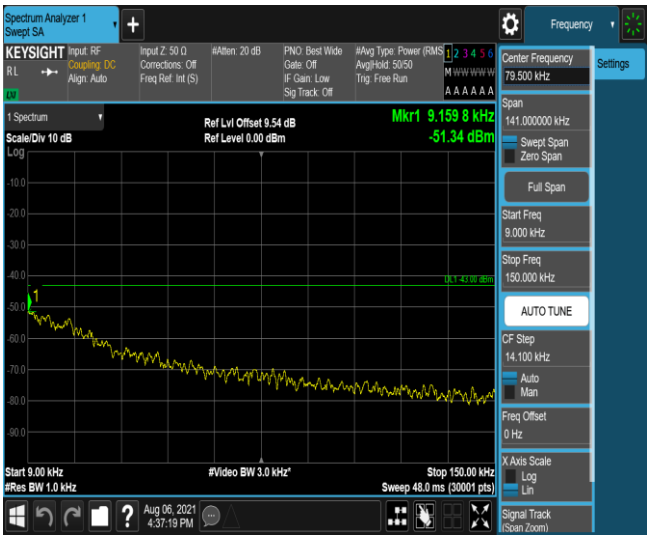
Band2-20MHz-16QAM-18900-6-0-Low-1000-5000--35.65-PASS



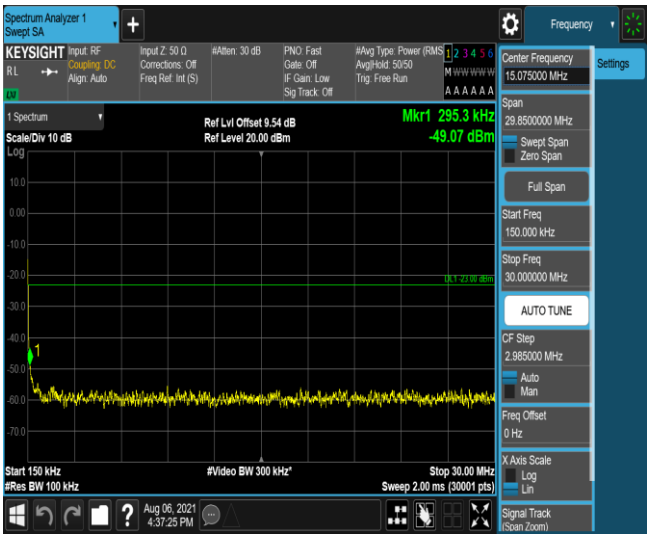
Band2-20MHz-16QAM-18900-6-0-Low-5000-12000--56.87-PASS



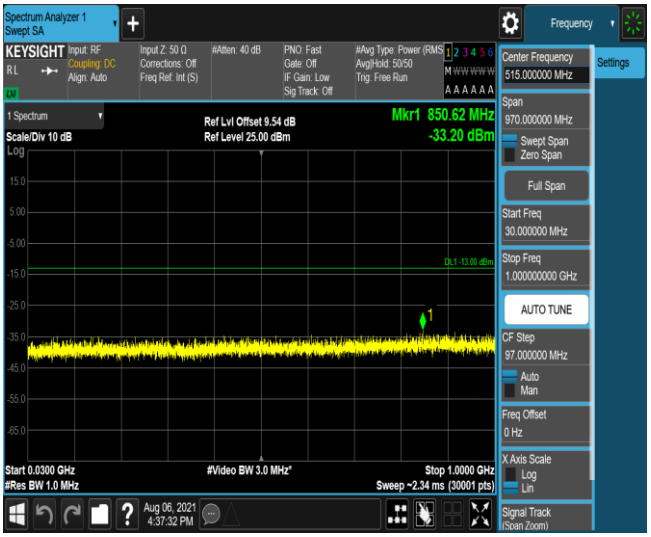
Band2-20MHz-16QAM-18900-6-0-Low-12000-26500--51.28-PASS



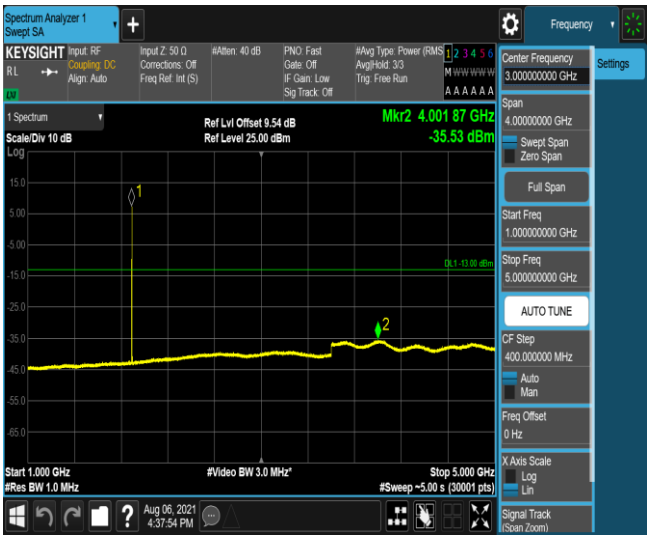
Band2-20MHz-16QAM-19100-1-0-Low-0.009-0.15--51.34-PASS



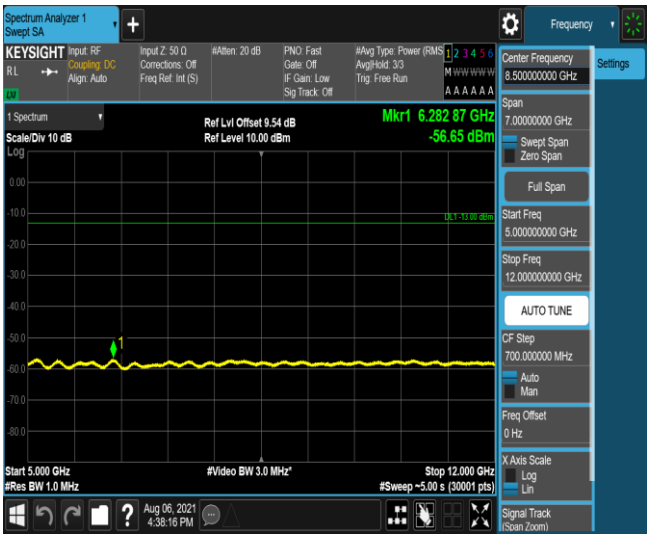
Band2-20MHz-16QAM-19100-1-0-Low-0.15-30--49.07-PASS



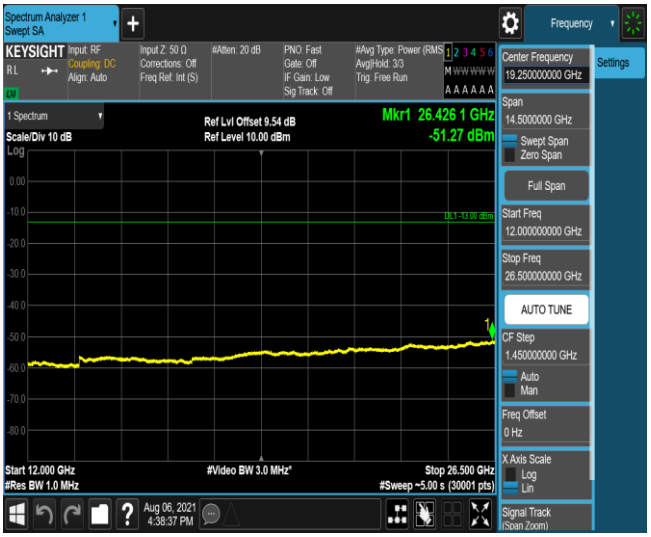
Band2-20MHz-16QAM-19100-1-0-Low-30-1000--33.2-PASS



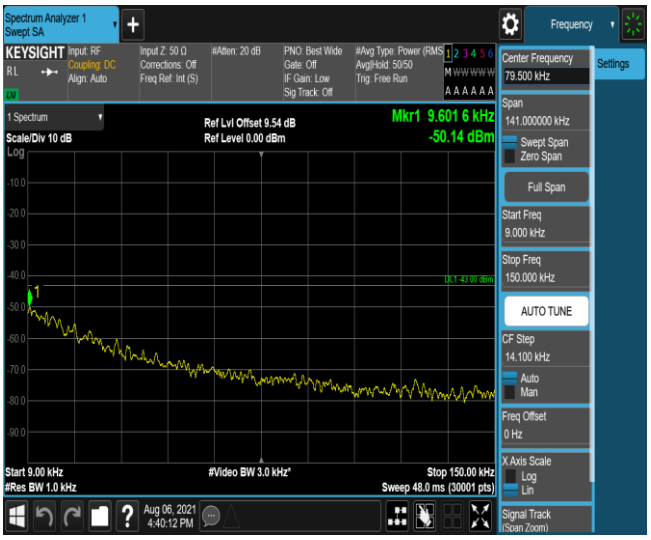
Band2-20MHz-16QAM-19100-1-0-Low-1000-5000--35.53-PASS



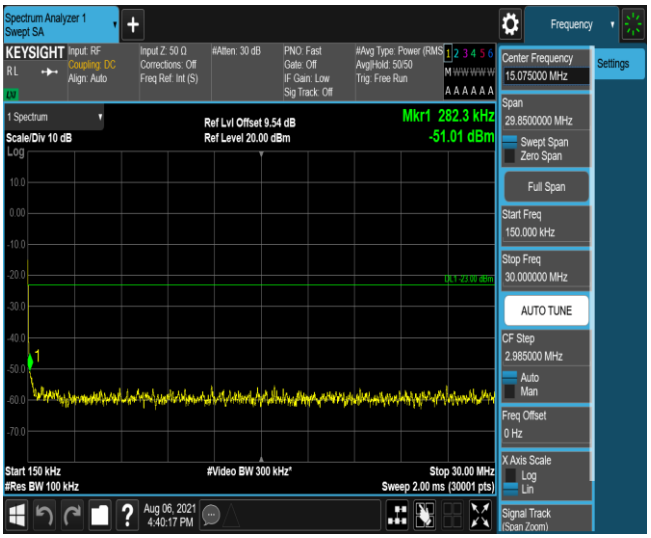
Band2-20MHz-16QAM-19100-1-0-Low-5000-12000--56.65-PASS



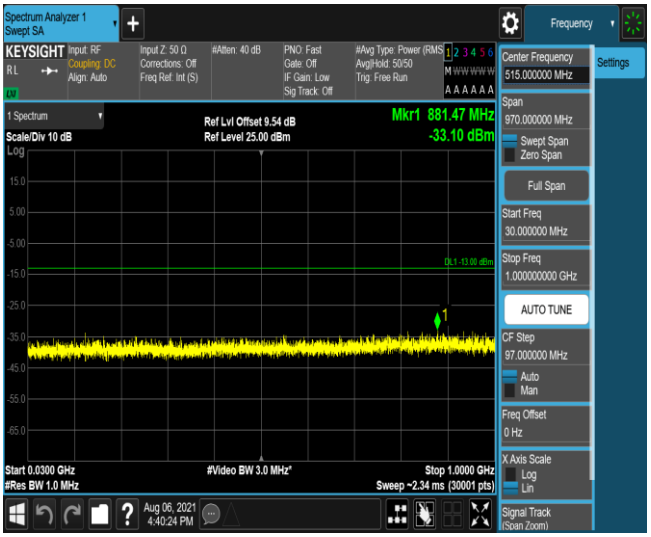
Band2-20MHz-16QAM-19100-1-0-Low-12000-26500--51.27-PASS



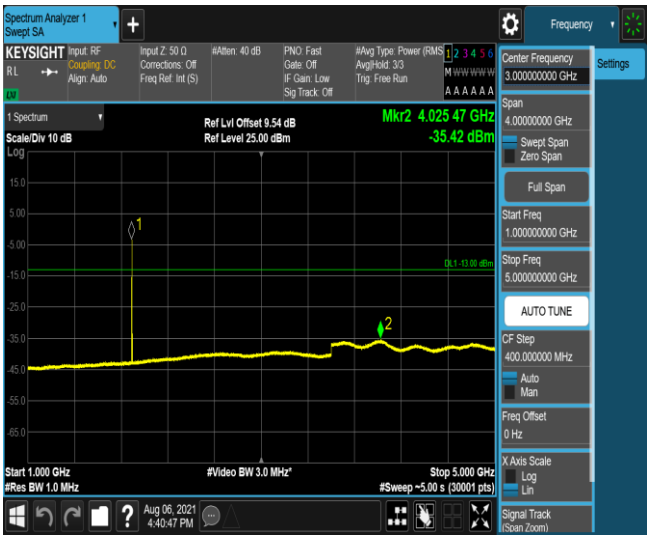
Band2-20MHz-16QAM-19100-6-0-Low-0.009-0.15--50.14-PASS



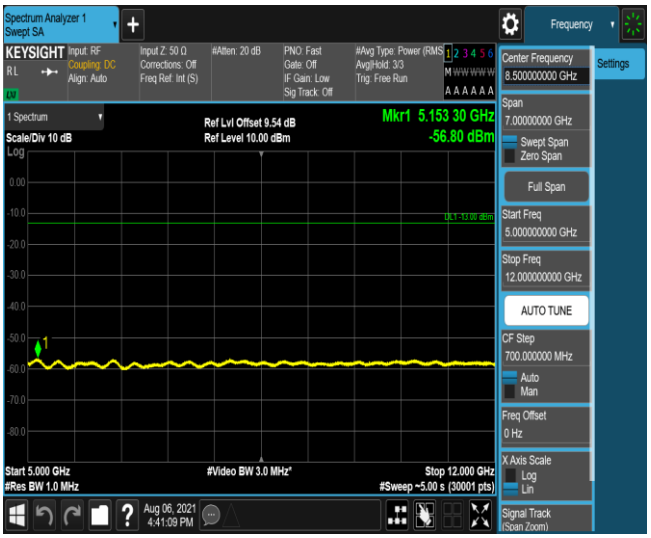
Band2-20MHz-16QAM-19100-6-0-Low-0.15-30--51.01-PASS



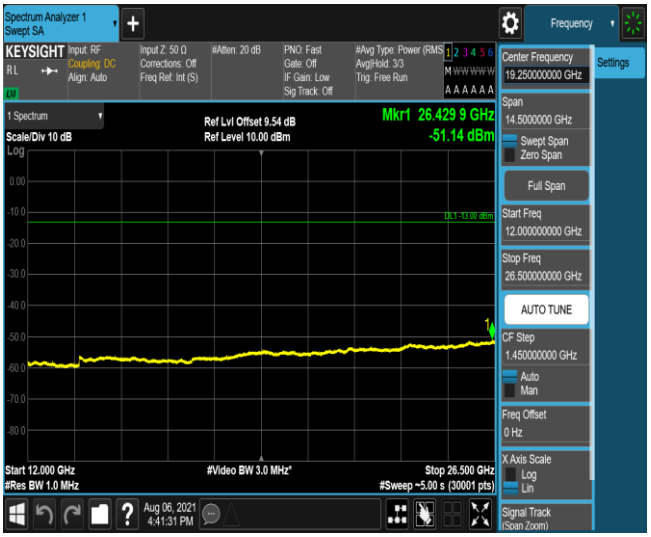
Band2-20MHz-16QAM-19100-6-0-Low-30-1000--33.1-PASS



Band2-20MHz-16QAM-19100-6-0-Low-1000-5000--35.42-PASS



Band2-20MHz-16QAM-19100-6-0-Low-5000-12000--56.8-PASS



Band2-20MHz-16QAM-19100-6-0-Low-12000-26500--51.14-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 (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.17	0.000092	± 2.5	PASS
		VN	TN	1.47	0.000794	± 2.5	PASS
		VH	TN	-0.96	-0.000519	± 2.5	PASS
	MCH	VL	TN	2.85	0.001516	± 2.5	PASS
		VN	TN	-0.86	-0.000457	± 2.5	PASS
		VH	TN	2.37	0.001261	± 2.5	PASS
	HCH	VL	TN	4.73	0.002477	± 2.5	PASS
		VN	TN	-0.16	-0.000084	± 2.5	PASS
		VH	TN	2.2	0.001152	± 2.5	PASS
16QAM	LCH	VL	TN	0.31	0.000168	± 2.5	PASS
		VN	TN	4.23	0.002286	± 2.5	PASS
		VH	TN	2.67	0.001443	± 2.5	PASS
	MCH	VL	TN	-0.26	-0.000138	± 2.5	PASS
		VN	TN	-0.86	-0.000457	± 2.5	PASS
		VH	TN	-0.79	-0.000420	± 2.5	PASS
	HCH	VL	TN	-1.29	-0.000676	± 2.5	PASS
		VN	TN	4.49	0.002352	± 2.5	PASS
		VH	TN	-0.55	-0.000288	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.82	-0.000983	± 2.5	PASS
		VN	-20	-0.02	-0.000011	± 2.5	PASS
		VN	-10	3.07	0.001659	± 2.5	PASS
		VN	0	-0.14	-0.000076	± 2.5	PASS
		VN	10	4.25	0.002296	± 2.5	PASS
		VN	20	-1.57	-0.000848	± 2.5	PASS
		VN	30	-0.84	-0.000454	± 2.5	PASS
		VN	40	4.87	0.002631	± 2.5	PASS
		VN	50	4.46	0.002410	± 2.5	PASS
	MCH	VN	-30	-0.42	-0.000223	± 2.5	PASS

		VN	-20	-0.8	-0.000426	± 2.5	PASS
		VN	-10	3.86	0.002053	± 2.5	PASS
		VN	0	1.31	0.000697	± 2.5	PASS
		VN	10	1.01	0.000537	± 2.5	PASS
		VN	20	2.33	0.001239	± 2.5	PASS
		VN	30	-0.21	-0.000112	± 2.5	PASS
		VN	40	4.33	0.002303	± 2.5	PASS
		VN	50	2.93	0.001559	± 2.5	PASS
	HCH	VN	-30	-0.32	-0.000168	± 2.5	PASS
		VN	-20	-0.97	-0.000508	± 2.5	PASS
		VN	-10	4.46	0.002336	± 2.5	PASS
		VN	0	3.64	0.001906	± 2.5	PASS
		VN	10	-0.71	-0.000372	± 2.5	PASS
		VN	20	0.83	0.000435	± 2.5	PASS
		VN	30	4.92	0.002577	± 2.5	PASS
		VN	40	1.92	0.001006	± 2.5	PASS
		VN	50	-1.49	-0.000780	± 2.5	PASS
16QAM	LCH	VN	-30	-0.83	-0.000448	± 2.5	PASS
		VN	-20	1.46	0.000789	± 2.5	PASS
		VN	-10	-0.61	-0.000330	± 2.5	PASS
		VN	0	4.72	0.002550	± 2.5	PASS
		VN	10	-0.95	-0.000513	± 2.5	PASS
		VN	20	0.04	0.000022	± 2.5	PASS
		VN	30	-1.84	-0.000994	± 2.5	PASS
		VN	40	3.13	0.001691	± 2.5	PASS
		VN	50	1.24	0.000670	± 2.5	PASS
	MCH	VN	-30	2.69	0.001431	± 2.5	PASS
		VN	-20	-1.87	-0.000995	± 2.5	PASS
		VN	-10	0.16	0.000085	± 2.5	PASS
		VN	0	2.01	0.001069	± 2.5	PASS
		VN	10	-1.68	-0.000894	± 2.5	PASS
		VN	20	4.47	0.002378	± 2.5	PASS
		VN	30	3.29	0.001750	± 2.5	PASS
		VN	40	0.15	0.000080	± 2.5	PASS
		VN	50	1.26	0.000670	± 2.5	PASS
	HCH	VN	-30	1.58	0.000828	± 2.5	PASS
		VN	-20	0.08	0.000042	± 2.5	PASS
		VN	-10	1.21	0.000634	± 2.5	PASS
		VN	0	1.02	0.000534	± 2.5	PASS
		VN	10	0.65	0.000340	± 2.5	PASS
		VN	20	1.15	0.000602	± 2.5	PASS

		VN	30	-0.17	-0.000089	± 2.5	PASS
		VN	40	3.17	0.001660	± 2.5	PASS
		VN	50	4.26	0.002231	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.29	0.000697	± 2.5	PASS
		VN	TN	4.6	0.002484	± 2.5	PASS
		VH	TN	3.92	0.002117	± 2.5	PASS
	MCH	VL	TN	0.04	0.000021	± 2.5	PASS
		VN	TN	3.97	0.002112	± 2.5	PASS
		VH	TN	2.95	0.001569	± 2.5	PASS
	HCH	VL	TN	-1.04	-0.000545	± 2.5	PASS
		VN	TN	-1.92	-0.001006	± 2.5	PASS
		VH	TN	4.73	0.002478	± 2.5	PASS
16QAM	LCH	VL	TN	4.6	0.002484	± 2.5	PASS
		VN	TN	0.74	0.000400	± 2.5	PASS
		VH	TN	-0.23	-0.000124	± 2.5	PASS
	MCH	VL	TN	4.6	0.002447	± 2.5	PASS
		VN	TN	0.4	0.000213	± 2.5	PASS
		VH	TN	4.37	0.002324	± 2.5	PASS
	HCH	VL	TN	-0.12	-0.000063	± 2.5	PASS
		VN	TN	-0.66	-0.000346	± 2.5	PASS
		VH	TN	-1.54	-0.000807	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.09	0.001669	± 2.5	PASS
		VN	-20	2.16	0.001167	± 2.5	PASS
		VN	-10	-0.24	-0.000130	± 2.5	PASS
		VN	0	2.73	0.001474	± 2.5	PASS
		VN	10	-0.19	-0.000103	± 2.5	PASS
		VN	20	0.67	0.000362	± 2.5	PASS
		VN	30	-1.08	-0.000583	± 2.5	PASS
		VN	40	1.18	0.000637	± 2.5	PASS
		VN	50	-0.71	-0.000383	± 2.5	PASS
	MCH	VN	-30	0.27	0.000144	± 2.5	PASS
		VN	-20	3.2	0.001702	± 2.5	PASS

		VN	-10	3.7	0.001968	± 2.5	PASS
		VN	0	1.44	0.000766	± 2.5	PASS
		VN	10	1.75	0.000931	± 2.5	PASS
		VN	20	1.76	0.000936	± 2.5	PASS
		VN	30	1.82	0.000968	± 2.5	PASS
		VN	40	-1.59	-0.000846	± 2.5	PASS
		VN	50	3.82	0.002032	± 2.5	PASS
	HCH	VN	-30	-0.42	-0.000220	± 2.5	PASS
		VN	-20	2.32	0.001216	± 2.5	PASS
		VN	-10	1.95	0.001022	± 2.5	PASS
		VN	0	2.34	0.001226	± 2.5	PASS
		VN	10	3.1	0.001624	± 2.5	PASS
		VN	20	-0.1	-0.000052	± 2.5	PASS
		VN	30	3.66	0.001918	± 2.5	PASS
		VN	40	4.4	0.002305	± 2.5	PASS
		VN	50	4.75	0.002489	± 2.5	PASS
16QAM	LCH	VN	-30	-0.42	-0.000227	± 2.5	PASS
		VN	-20	3.72	0.002009	± 2.5	PASS
		VN	-10	2.22	0.001199	± 2.5	PASS
		VN	0	-1.28	-0.000691	± 2.5	PASS
		VN	10	1.8	0.000972	± 2.5	PASS
		VN	20	1.51	0.000816	± 2.5	PASS
		VN	30	-1.68	-0.000907	± 2.5	PASS
		VN	40	0.12	0.000065	± 2.5	PASS
		VN	50	-0.75	-0.000405	± 2.5	PASS
	MCH	VN	-30	3.88	0.002064	± 2.5	PASS
		VN	-20	1.27	0.000676	± 2.5	PASS
		VN	-10	3.38	0.001798	± 2.5	PASS
		VN	0	3.29	0.001750	± 2.5	PASS
		VN	10	1.84	0.000979	± 2.5	PASS
		VN	20	-0.3	-0.000160	± 2.5	PASS
		VN	30	4.39	0.002335	± 2.5	PASS
		VN	40	0.32	0.000170	± 2.5	PASS
		VN	50	1.98	0.001053	± 2.5	PASS
	HCH	VN	-30	3.54	0.001855	± 2.5	PASS
		VN	-20	-1.79	-0.000938	± 2.5	PASS
		VN	-10	3.08	0.001614	± 2.5	PASS
		VN	0	0.25	0.000131	± 2.5	PASS
		VN	10	0.71	0.000372	± 2.5	PASS
		VN	20	-1.97	-0.001032	± 2.5	PASS
		VN	30	-0.75	-0.000393	± 2.5	PASS

		VN	40	1.18	0.000618	± 2.5	PASS
		VN	50	4.34	0.002274	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.59	0.000318	± 2.5	PASS
		VN	TN	0.8	0.000432	± 2.5	PASS
		VH	TN	2.6	0.001404	± 2.5	PASS
	MCH	VL	TN	-0.85	-0.000452	± 2.5	PASS
		VN	TN	-1.43	-0.000761	± 2.5	PASS
		VH	TN	-0.88	-0.000468	± 2.5	PASS
	HCH	VL	TN	0.52	0.000273	± 2.5	PASS
		VN	TN	-0.26	-0.000136	± 2.5	PASS
		VH	TN	-0.71	-0.000372	± 2.5	PASS
16QAM	LCH	VL	TN	-0.87	-0.000470	± 2.5	PASS
		VN	TN	2.58	0.001393	± 2.5	PASS
		VH	TN	-1.38	-0.000745	± 2.5	PASS
	MCH	VL	TN	0.21	0.000112	± 2.5	PASS
		VN	TN	-0.31	-0.000165	± 2.5	PASS
		VH	TN	1.01	0.000537	± 2.5	PASS
	HCH	VL	TN	0.56	0.000294	± 2.5	PASS
		VN	TN	3.7	0.001940	± 2.5	PASS
		VH	TN	2.33	0.001221	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.22	0.001198	± 2.5	PASS
		VN	-20	1.88	0.001015	± 2.5	PASS
		VN	-10	2.11	0.001139	± 2.5	PASS
		VN	0	2.04	0.001101	± 2.5	PASS
		VN	10	2.46	0.001328	± 2.5	PASS
		VN	20	3.81	0.002057	± 2.5	PASS
		VN	30	0.75	0.000405	± 2.5	PASS
		VN	40	0.3	0.000162	± 2.5	PASS
		VN	50	3.66	0.001976	± 2.5	PASS
	MCH	VN	-30	3.07	0.001633	± 2.5	PASS
		VN	-20	0.54	0.000287	± 2.5	PASS
		VN	-10	4.14	0.002202	± 2.5	PASS

		VN	0	-0.89	-0.000473	± 2.5	PASS
		VN	10	1.24	0.000660	± 2.5	PASS
		VN	20	1.16	0.000617	± 2.5	PASS
		VN	30	0.15	0.000080	± 2.5	PASS
		VN	40	3.14	0.001670	± 2.5	PASS
		VN	50	-1.92	-0.001021	± 2.5	PASS
	HCH	VN	-30	1.81	0.000949	± 2.5	PASS
		VN	-20	-1.9	-0.000996	± 2.5	PASS
		VN	-10	4.04	0.002118	± 2.5	PASS
		VN	0	1.04	0.000545	± 2.5	PASS
		VN	10	-0.34	-0.000178	± 2.5	PASS
		VN	20	3.17	0.001662	± 2.5	PASS
		VN	30	1.75	0.000917	± 2.5	PASS
		VN	40	0.66	0.000346	± 2.5	PASS
		VN	50	1.66	0.000870	± 2.5	PASS
16QAM	LCH	VN	-30	-1.65	-0.000891	± 2.5	PASS
		VN	-20	0.85	0.000459	± 2.5	PASS
		VN	-10	4.38	0.002364	± 2.5	PASS
		VN	0	-0.36	-0.000194	± 2.5	PASS
		VN	10	1.72	0.000928	± 2.5	PASS
		VN	20	4.66	0.002516	± 2.5	PASS
		VN	30	3.86	0.002084	± 2.5	PASS
		VN	40	0.48	0.000259	± 2.5	PASS
		VN	50	4.95	0.002672	± 2.5	PASS
	MCH	VN	-30	1.12	0.000596	± 2.5	PASS
		VN	-20	-0.08	-0.000043	± 2.5	PASS
		VN	-10	-0.43	-0.000229	± 2.5	PASS
		VN	0	1.94	0.001032	± 2.5	PASS
		VN	10	-0.83	-0.000441	± 2.5	PASS
		VN	20	-1.43	-0.000761	± 2.5	PASS
		VN	30	-1.6	-0.000851	± 2.5	PASS
		VN	40	0.21	0.000112	± 2.5	PASS
		VN	50	-1.88	-0.001000	± 2.5	PASS
	HCH	VN	-30	1.39	0.000729	± 2.5	PASS
		VN	-20	0.23	0.000121	± 2.5	PASS
		VN	-10	-1.01	-0.000529	± 2.5	PASS
		VN	0	-1.74	-0.000912	± 2.5	PASS
		VN	10	-0.33	-0.000173	± 2.5	PASS
		VN	20	1.78	0.000933	± 2.5	PASS
		VN	30	3.68	0.001929	± 2.5	PASS
		VN	40	0.69	0.000362	± 2.5	PASS

		VN	50	4.24	0.002223	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.97	-0.000523	± 2.5	PASS
		VN	TN	0.42	0.000226	± 2.5	PASS
		VH	TN	1.17	0.000631	± 2.5	PASS
	MCH	VL	TN	3.32	0.001766	± 2.5	PASS
		VN	TN	-1.99	-0.001059	± 2.5	PASS
		VH	TN	-0.76	-0.000404	± 2.5	PASS
	HCH	VL	TN	4.45	0.002336	± 2.5	PASS
		VN	TN	-0.63	-0.000331	± 2.5	PASS
		VH	TN	-1.47	-0.000772	± 2.5	PASS
16QAM	LCH	VL	TN	1.24	0.000668	± 2.5	PASS
		VN	TN	-0.04	-0.000022	± 2.5	PASS
		VH	TN	2.89	0.001558	± 2.5	PASS
	MCH	VL	TN	4.22	0.002245	± 2.5	PASS
		VN	TN	3.61	0.001920	± 2.5	PASS
		VH	TN	1.25	0.000665	± 2.5	PASS
	HCH	VL	TN	0.67	0.000352	± 2.5	PASS
		VN	TN	3.45	0.001811	± 2.5	PASS
		VH	TN	-1.9	-0.000997	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.74	0.000399	± 2.5	PASS
		VN	-20	0.76	0.000410	± 2.5	PASS
		VN	-10	2.6	0.001402	± 2.5	PASS
		VN	0	-1.6	-0.000863	± 2.5	PASS
		VN	10	3.29	0.001774	± 2.5	PASS
		VN	20	3.29	0.001774	± 2.5	PASS
		VN	30	-1.48	-0.000798	± 2.5	PASS
		VN	40	2.01	0.001084	± 2.5	PASS
		VN	50	2.9	0.001563	± 2.5	PASS
	MCH	VN	-30	-0.25	-0.000133	± 2.5	PASS
		VN	-20	3.9	0.002074	± 2.5	PASS
		VN	-10	0.1	0.000053	± 2.5	PASS
		VN	0	-0.89	-0.000473	± 2.5	PASS

		VN	10	4.06	0.002160	± 2.5	PASS
		VN	20	4.57	0.002431	± 2.5	PASS
		VN	30	3.8	0.002021	± 2.5	PASS
		VN	40	3.92	0.002085	± 2.5	PASS
		VN	50	1.14	0.000606	± 2.5	PASS
	HCH	VN	-30	-1.31	-0.000688	± 2.5	PASS
		VN	-20	-1.75	-0.000919	± 2.5	PASS
		VN	-10	2.38	0.001249	± 2.5	PASS
		VN	0	-1.9	-0.000997	± 2.5	PASS
		VN	10	-1.57	-0.000824	± 2.5	PASS
		VN	20	-0.28	-0.000147	± 2.5	PASS
		VN	30	2.8	0.001470	± 2.5	PASS
		VN	40	2.01	0.001055	± 2.5	PASS
		VN	50	-0.1	-0.000052	± 2.5	PASS
16QAM	LCH	VN	-30	-1.22	-0.000658	± 2.5	PASS
		VN	-20	1.72	0.000927	± 2.5	PASS
		VN	-10	-1.54	-0.000830	± 2.5	PASS
		VN	0	2.15	0.001159	± 2.5	PASS
		VN	10	1.82	0.000981	± 2.5	PASS
		VN	20	0.97	0.000523	± 2.5	PASS
		VN	30	4.12	0.002221	± 2.5	PASS
		VN	40	-1.99	-0.001073	± 2.5	PASS
		VN	50	4.29	0.002313	± 2.5	PASS
	MCH	VN	-30	3.66	0.001947	± 2.5	PASS
		VN	-20	-1.29	-0.000686	± 2.5	PASS
		VN	-10	-1.14	-0.000606	± 2.5	PASS
		VN	0	-1.46	-0.000777	± 2.5	PASS
		VN	10	-0.29	-0.000154	± 2.5	PASS
		VN	20	-1.65	-0.000878	± 2.5	PASS
		VN	30	2.22	0.001181	± 2.5	PASS
		VN	40	-1.83	-0.000973	± 2.5	PASS
		VN	50	-0.92	-0.000489	± 2.5	PASS
	HCH	VN	-30	3.05	0.001601	± 2.5	PASS
		VN	-20	2.32	0.001218	± 2.5	PASS
		VN	-10	4.97	0.002609	± 2.5	PASS
		VN	0	1.61	0.000845	± 2.5	PASS
		VN	10	-0.28	-0.000147	± 2.5	PASS
		VN	20	3.97	0.002084	± 2.5	PASS
		VN	30	-0.73	-0.000383	± 2.5	PASS
		VN	40	0.2	0.000105	± 2.5	PASS
		VN	50	-1.95	-0.001024	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.71	0.002536	± 2.5	PASS
		VN	TN	0.1	0.000054	± 2.5	PASS
		VH	TN	1.4	0.000754	± 2.5	PASS
	MCH	VL	TN	-1.25	-0.000665	± 2.5	PASS
		VN	TN	2.17	0.001154	± 2.5	PASS
		VH	TN	-0.5	-0.000266	± 2.5	PASS
	HCH	VL	TN	-0.82	-0.000431	± 2.5	PASS
		VN	TN	4.73	0.002486	± 2.5	PASS
		VH	TN	-1.37	-0.000720	± 2.5	PASS
16QAM	LCH	VL	TN	0.3	0.000162	± 2.5	PASS
		VN	TN	-1.16	-0.000624	± 2.5	PASS
		VH	TN	0.01	0.000005	± 2.5	PASS
	MCH	VL	TN	1.75	0.000931	± 2.5	PASS
		VN	TN	2.48	0.001319	± 2.5	PASS
		VH	TN	-1.6	-0.000851	± 2.5	PASS
	HCH	VL	TN	3.07	0.001614	± 2.5	PASS
		VN	TN	4.04	0.002124	± 2.5	PASS
		VH	TN	0.45	0.000237	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.49	0.002417	± 2.5	PASS
		VN	-20	2.95	0.001588	± 2.5	PASS
		VN	-10	4.64	0.002498	± 2.5	PASS
		VN	0	4.17	0.002245	± 2.5	PASS
		VN	10	3.32	0.001787	± 2.5	PASS
		VN	20	-1.11	-0.000598	± 2.5	PASS
		VN	30	-0.39	-0.000210	± 2.5	PASS
		VN	40	0.44	0.000237	± 2.5	PASS
		VN	50	-1.91	-0.001028	± 2.5	PASS
	MCH	VN	-30	-0.97	-0.000516	± 2.5	PASS
		VN	-20	3.15	0.001676	± 2.5	PASS
		VN	-10	4.55	0.002420	± 2.5	PASS
		VN	0	2.25	0.001197	± 2.5	PASS
		VN	10	0.74	0.000394	± 2.5	PASS

		VN	20	-0.18	-0.000096	± 2.5	PASS
		VN	30	4.68	0.002489	± 2.5	PASS
		VN	40	1.47	0.000782	± 2.5	PASS
		VN	50	1.25	0.000665	± 2.5	PASS
	HCH	VN	-30	-1.56	-0.000820	± 2.5	PASS
		VN	-20	2.65	0.001393	± 2.5	PASS
		VN	-10	-1.69	-0.000888	± 2.5	PASS
		VN	0	2.56	0.001346	± 2.5	PASS
		VN	10	1.42	0.000746	± 2.5	PASS
		VN	20	4.01	0.002108	± 2.5	PASS
		VN	30	0.94	0.000494	± 2.5	PASS
		VN	40	-0.97	-0.000510	± 2.5	PASS
		VN	50	0.09	0.000047	± 2.5	PASS
16QAM	LCH	VN	-30	0.26	0.000140	± 2.5	PASS
		VN	-20	-0.02	-0.000011	± 2.5	PASS
		VN	-10	-1.17	-0.000630	± 2.5	PASS
		VN	0	-1.04	-0.000560	± 2.5	PASS
		VN	10	4.27	0.002299	± 2.5	PASS
		VN	20	4.65	0.002503	± 2.5	PASS
		VN	30	2.6	0.001400	± 2.5	PASS
		VN	40	1	0.000538	± 2.5	PASS
		VN	50	2.85	0.001534	± 2.5	PASS
	MCH	VN	-30	3.46	0.001840	± 2.5	PASS
		VN	-20	2.44	0.001298	± 2.5	PASS
		VN	-10	-1.79	-0.000952	± 2.5	PASS
		VN	0	1.17	0.000622	± 2.5	PASS
		VN	10	0.63	0.000335	± 2.5	PASS
		VN	20	4.63	0.002463	± 2.5	PASS
		VN	30	1.41	0.000750	± 2.5	PASS
		VN	40	-1.34	-0.000713	± 2.5	PASS
		VN	50	0.36	0.000191	± 2.5	PASS
	HCH	VN	-30	4.37	0.002297	± 2.5	PASS
		VN	-20	4.15	0.002181	± 2.5	PASS
		VN	-10	1.5	0.000788	± 2.5	PASS
		VN	0	-0.94	-0.000494	± 2.5	PASS
		VN	10	-1.93	-0.001014	± 2.5	PASS
		VN	20	-1.67	-0.000878	± 2.5	PASS
		VN	30	1.34	0.000704	± 2.5	PASS
		VN	40	1.93	0.001014	± 2.5	PASS
		VN	50	-1.86	-0.000978	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.53	0.000823	± 2.5	PASS
		VN	TN	2.3	0.001237	± 2.5	PASS
		VH	TN	1.5	0.000806	± 2.5	PASS
	MCH	VL	TN	4.1	0.002181	± 2.5	PASS
		VN	TN	0.56	0.000298	± 2.5	PASS
		VH	TN	1.88	0.001000	± 2.5	PASS
	HCH	VL	TN	-0.58	-0.000305	± 2.5	PASS
		VN	TN	-1.02	-0.000537	± 2.5	PASS
		VH	TN	0.07	0.000037	± 2.5	PASS
16QAM	LCH	VL	TN	1.69	0.000909	± 2.5	PASS
		VN	TN	0.9	0.000484	± 2.5	PASS
		VH	TN	-1.4	-0.000753	± 2.5	PASS
	MCH	VL	TN	3.88	0.002064	± 2.5	PASS
		VN	TN	3.55	0.001888	± 2.5	PASS
		VH	TN	3.7	0.001968	± 2.5	PASS
	HCH	VL	TN	1.36	0.000716	± 2.5	PASS
		VN	TN	1.7	0.000895	± 2.5	PASS
		VH	TN	-1.88	-0.000989	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.66	0.000892	± 2.5	PASS
		VN	-20	3.61	0.001941	± 2.5	PASS
		VN	-10	1.71	0.000919	± 2.5	PASS
		VN	0	-0.25	-0.000134	± 2.5	PASS
		VN	10	3.51	0.001887	± 2.5	PASS
		VN	20	-0.72	-0.000387	± 2.5	PASS
		VN	30	2.5	0.001344	± 2.5	PASS
		VN	40	-0.86	-0.000462	± 2.5	PASS
		VN	50	-0.67	-0.000360	± 2.5	PASS
	MCH	VN	-30	0.17	0.000090	± 2.5	PASS
		VN	-20	-0.18	-0.000096	± 2.5	PASS
		VN	-10	4.01	0.002133	± 2.5	PASS
		VN	0	2.73	0.001452	± 2.5	PASS
		VN	10	4.85	0.002580	± 2.5	PASS
		VN	20	-0.22	-0.000117	± 2.5	PASS

		VN	30	-1.69	-0.000899	± 2.5	PASS
		VN	40	4.76	0.002532	± 2.5	PASS
		VN	50	2.25	0.001197	± 2.5	PASS
	HCH	VN	-30	-1.8	-0.000947	± 2.5	PASS
		VN	-20	2.07	0.001089	± 2.5	PASS
		VN	-10	-1.78	-0.000937	± 2.5	PASS
		VN	0	0.96	0.000505	± 2.5	PASS
		VN	10	3.48	0.001832	± 2.5	PASS
		VN	20	-1.16	-0.000611	± 2.5	PASS
		VN	30	4.64	0.002442	± 2.5	PASS
		VN	40	1.77	0.000932	± 2.5	PASS
		VN	50	2.17	0.001142	± 2.5	PASS
16QAM	LCH	VN	-30	-1.89	-0.001016	± 2.5	PASS
		VN	-20	0.06	0.000032	± 2.5	PASS
		VN	-10	2.93	0.001575	± 2.5	PASS
		VN	0	-1.66	-0.000892	± 2.5	PASS
		VN	10	0.87	0.000468	± 2.5	PASS
		VN	20	-1.09	-0.000586	± 2.5	PASS
		VN	30	3.94	0.002118	± 2.5	PASS
		VN	40	-1.31	-0.000704	± 2.5	PASS
		VN	50	2.33	0.001253	± 2.5	PASS
	MCH	VN	-30	1.01	0.000537	± 2.5	PASS
		VN	-20	4.69	0.002495	± 2.5	PASS
		VN	-10	0.82	0.000436	± 2.5	PASS
		VN	0	-0.97	-0.000516	± 2.5	PASS
		VN	10	0.76	0.000404	± 2.5	PASS
		VN	20	1.76	0.000936	± 2.5	PASS
		VN	30	1.25	0.000665	± 2.5	PASS
		VN	40	4.14	0.002202	± 2.5	PASS
		VN	50	2.17	0.001154	± 2.5	PASS
	HCH	VN	-30	1.2	0.000632	± 2.5	PASS
		VN	-20	3.33	0.001753	± 2.5	PASS
		VN	-10	1.87	0.000984	± 2.5	PASS
		VN	0	4.18	0.002200	± 2.5	PASS
		VN	10	1.93	0.001016	± 2.5	PASS
		VN	20	2.87	0.001511	± 2.5	PASS
		VN	30	4.51	0.002374	± 2.5	PASS
		VN	40	-1.68	-0.000884	± 2.5	PASS
		VN	50	1.19	0.000626	± 2.5	PASS