

Effective (Isotropic) Radiated Power Output Data for NB1

Test Result

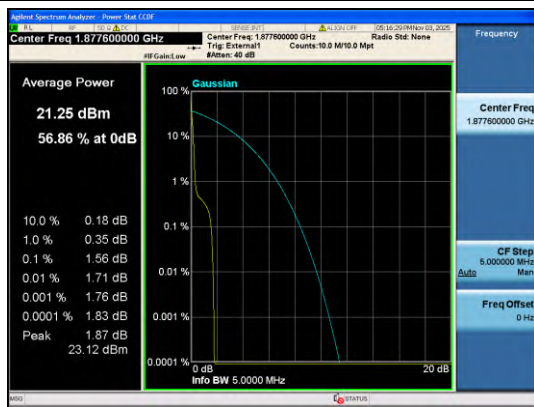
Band	OpMode	SCS	BW	Modulation	Channel	Tones	POWER (dBm)	ERP/EIRP (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	3.01	4	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	2.96	3.95	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@0	3.09	4.08	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@11	3.05	4.04	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	3@3	2.98	3.97	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@0	2.99	3.98	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@47	2.82	3.81	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	2.94	3.93	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	2.92	3.91	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	20.18	21.17	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	19.97	20.96	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	20.44	21.43	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	20.31	21.3	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	3@3	20.70	21.69	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18876	1@0	19.74	20.73	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18876	1@47	19.98	20.97	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	20.13	21.12	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	20.08	21.07	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	2.19	3.18	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	2.22	3.21	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@0	2.36	3.35	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@11	2.25	3.24	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	3@3	2.37	3.36	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	19199	1@0	2.19	3.18	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	19199	1@47	2.21	3.2	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	2.19	3.18	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	2.21	3.2	PASS

Peak-to-Average Ratio(CCDF) for NB1

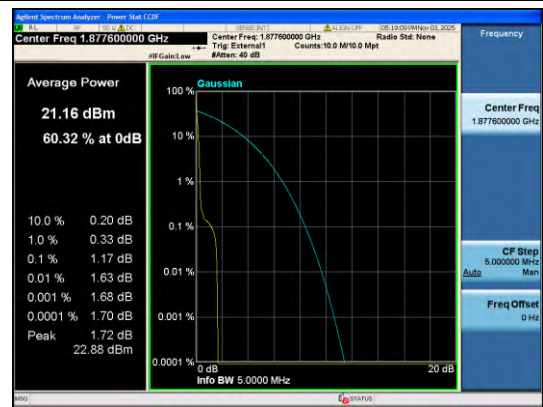
Test Result

Band	OpMode	SCS	BW	Modulation	Channel	Tones	Result (dBm)	Limit (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	1.56	<=13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	1.17	<=13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	1.51	<=13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	1.57	<=13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	3@3	4.2	<=13	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18876	1@0	1.76	<=13	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18876	1@47	1.81	<=13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	1.51	<=13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	1.51	<=13	PASS

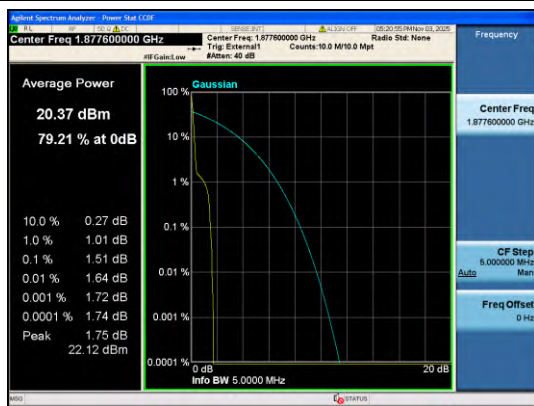
Test Graphs



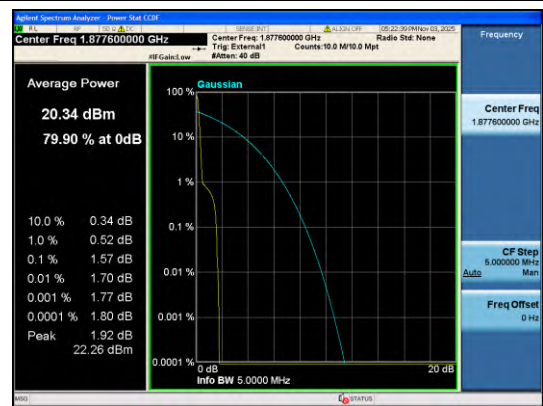
Band2-0.18-QPSK-18876-PASS



Band2-0.18-QPSK-18876-PASS



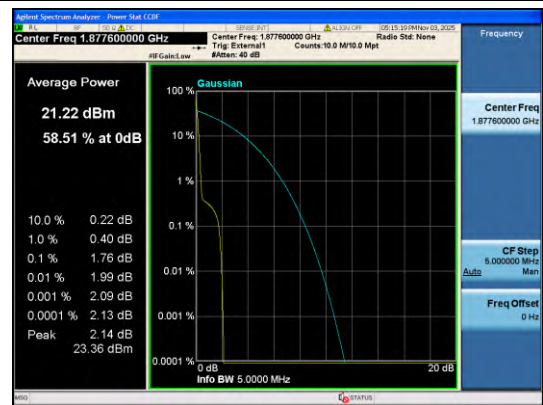
Band2-0.18-QPSK-18876-PASS



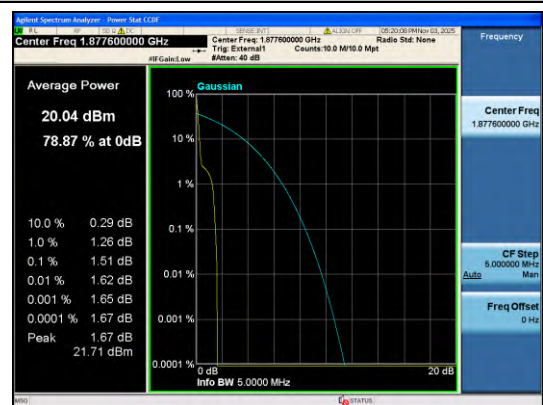
Band2-0.18-QPSK-18876-PASS



Band2-0.18-QPSK-18876-PASS



Band2-0.18-BPSK-18876-PASS



Band2-0.18-BPSK-18876-PASS



Band2-0.18-BPSK-18876-PASS

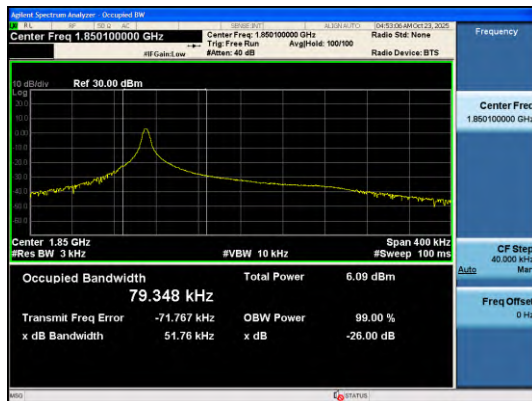
Band2-0.18-BPSK-18876-PASS

Emission Bandwidth for NB1

Test Result

Band	OpMode	SCS	BW	Modulation	Channel	Tones	OBW (MHz)	EBW (MHz)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	0.07935	0.0518	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@0	0.12765	0.1294	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	0.18556	0.2522	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@0	0.07174	0.0498	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	0.13148	0.1068	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	12@0	0.19135	0.2646	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	0.07838	0.0516	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	0.12380	0.1304	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	0.18878	0.2474	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18876	1@0	0.06898	0.0486	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	0.12750	0.1059	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	12@0	0.18708	0.2575	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	0.08046	0.0507	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@0	0.12916	0.1184	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	0.18786	0.2491	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	19199	1@0	0.06395	0.0426	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	0.13235	0.1066	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	12@0	0.19107	0.2607	PASS

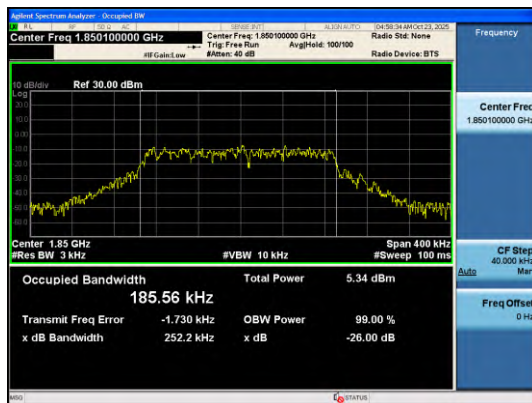
Test Graphs



Band2-0.18-QPSK-18601-PASS



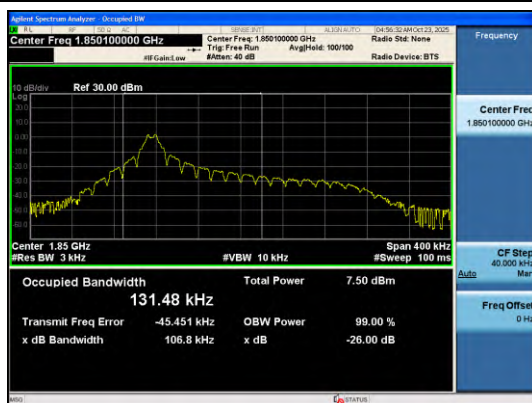
Band2-0.18-QPSK-18601-PASS



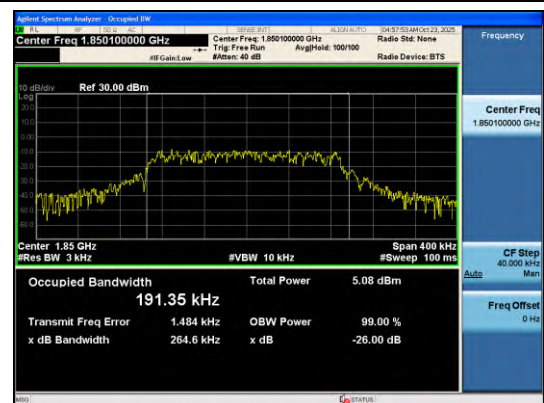
Band2-0.18-QPSK-18601-PASS



Band2-0.18-BPSK-18601-PASS



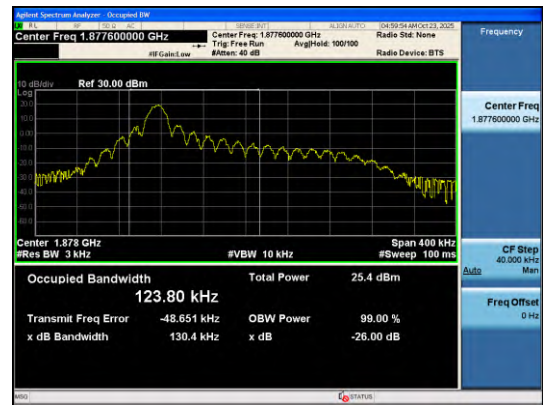
Band2-0.18-BPSK-18601-PASS



Band2-0.18-BPSK-18601-PASS



Band2-0.18-QPSK-18876-PASS



Band2-0.18-QPSK-18876-PASS



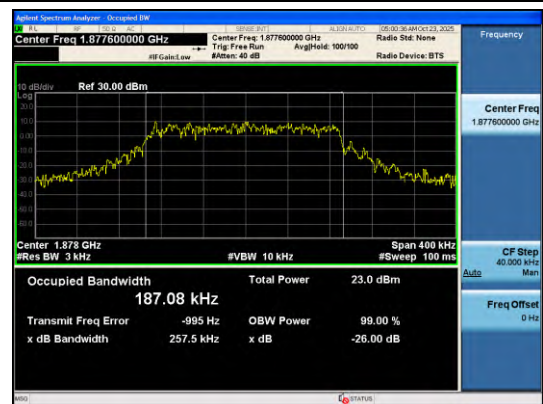
Band2-0.18-QPSK-18876-PASS



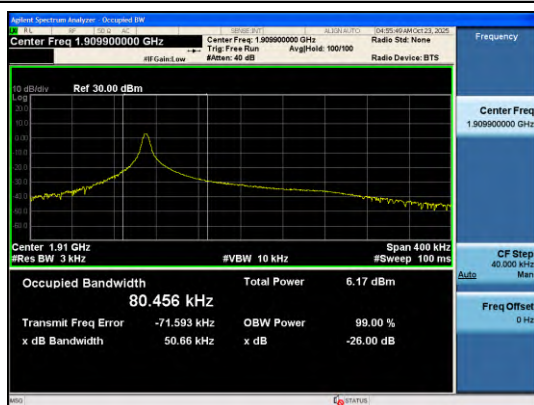
Band2-0.18-BPSK-18876-PASS



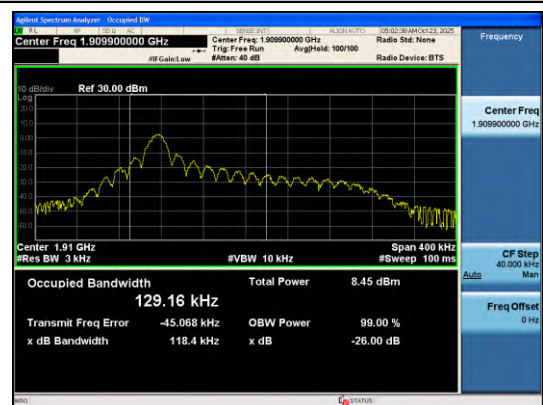
Band2-0.18-BPSK-18876-PASS



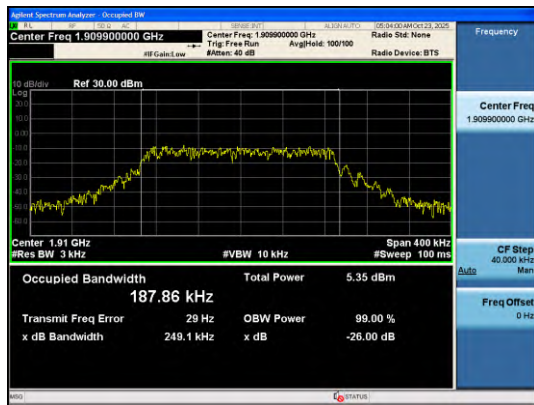
Band2-0.18-BPSK-18876-PASS



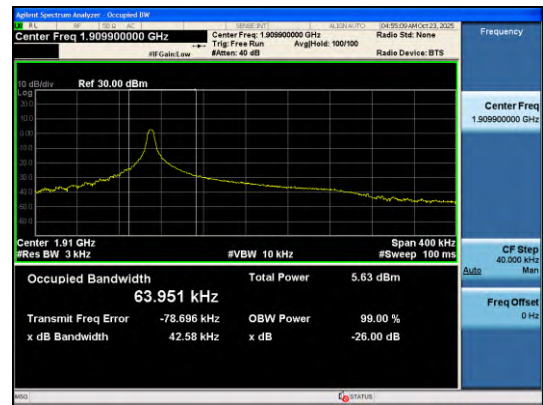
Band2-0.18-QPSK-19199-PASS



Band2-0.18-QPSK-19199-PASS



Band2-0.18-QPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS



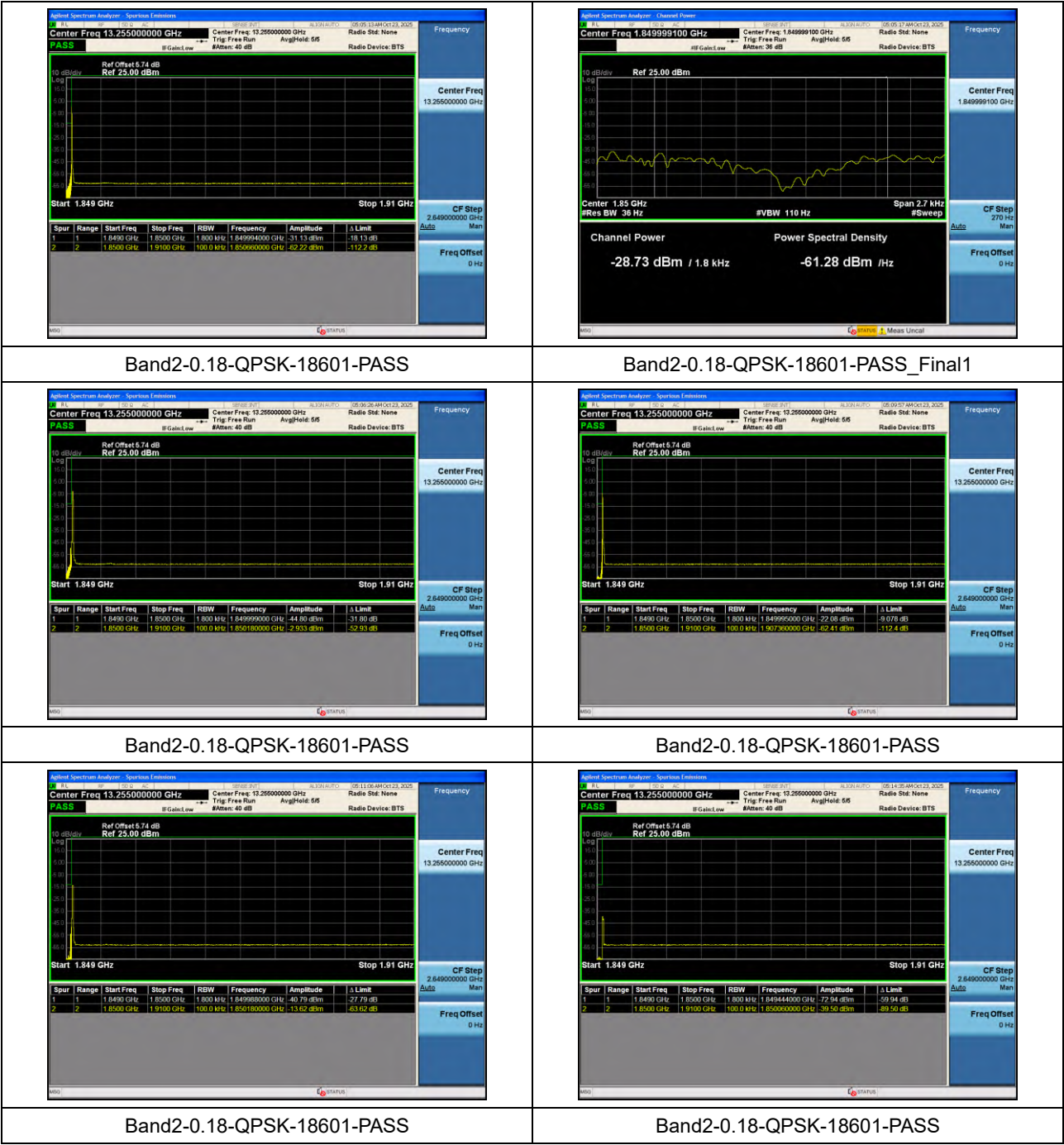
Band2-0.18-BPSK-19199-PASS

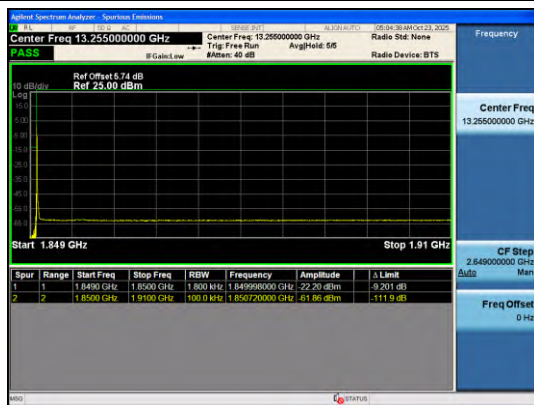
Band Edge for NB1

Test Result

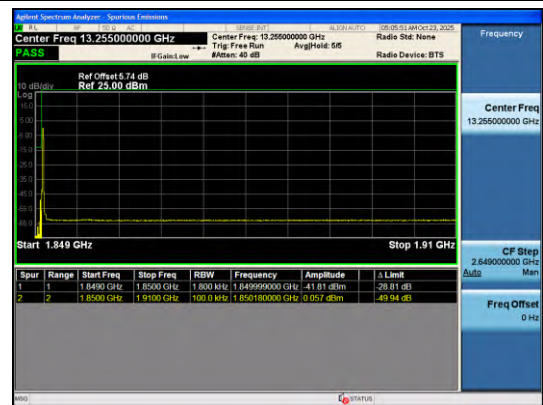
Band	OpMode	SCS	BW	Modulation	Channel	Tones	Result (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	0.11	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	-28.73	PASS_Final1
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	-44.80	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@0	-22.08	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@11	-40.79	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	-72.94	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@0	-22.20	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@47	-41.81	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	-22.85	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	-42.56	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	12@0	-63.10	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	-49.82	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	-27.99	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@0	-42.89	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@11	-27.62	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	-68.65	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	19199	1@0	-46.79	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	19199	1@47	-26.41	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	-38.94	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	-24.42	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	12@0	-70.87	PASS

Test Graphs

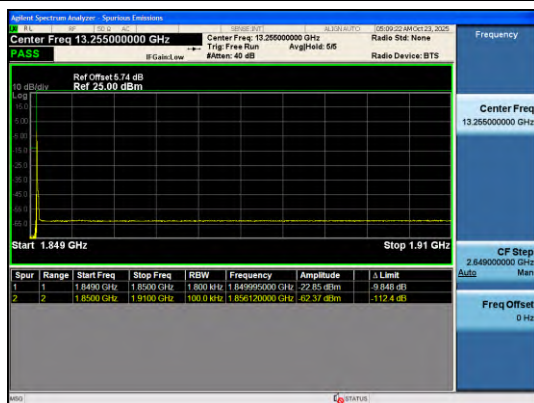




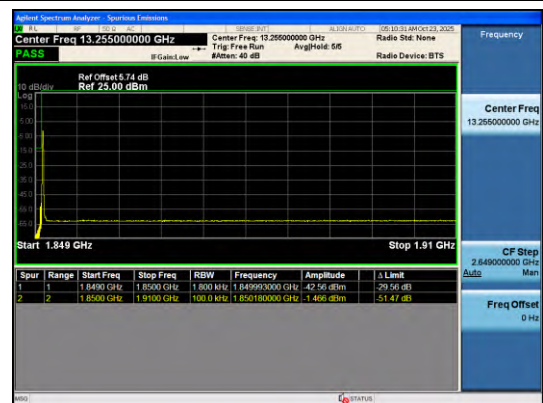
Band2-0.18-BPSK-18601-PASS



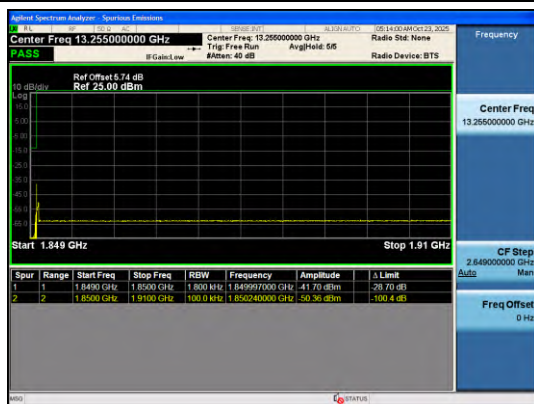
Band2-0.18-BPSK-18601-PASS



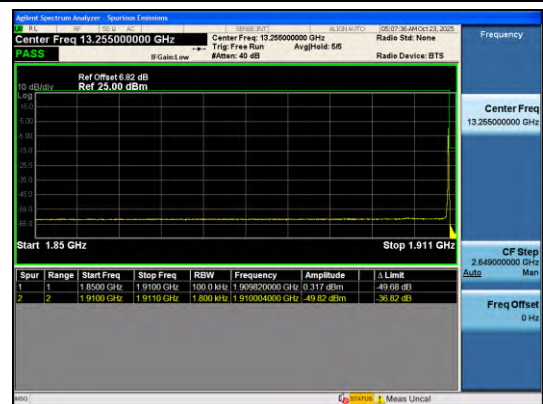
Band2-0.18-BPSK-18601-PASS



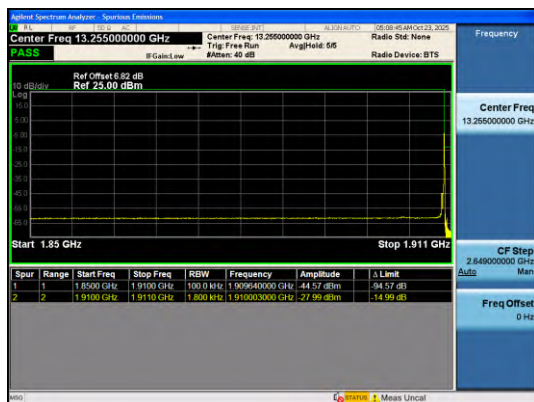
Band2-0.18-BPSK-18601-PASS



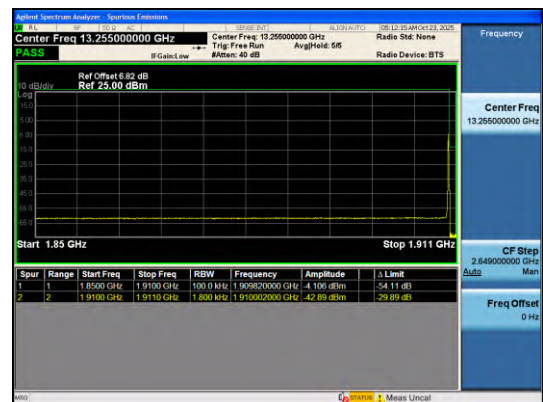
Band2-0.18-BPSK-18601-PASS



Band2-0.18-BPSK-18601-PASS



Band2-0.18-BPSK-18601-PASS



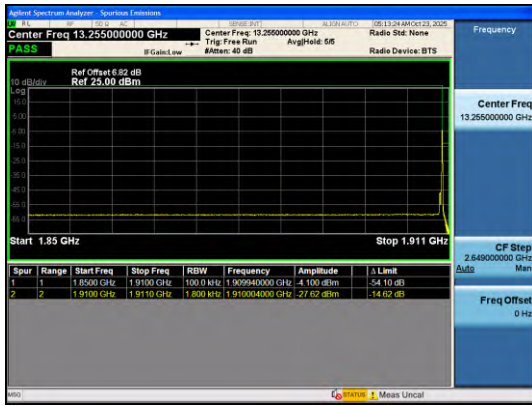
Band2-0.18-BPSK-18601-PASS



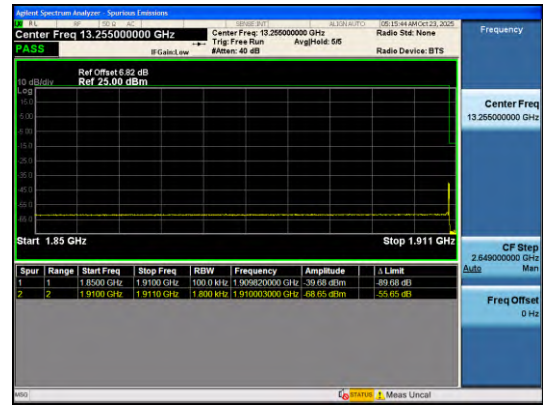
Band2-0.18-QPSK-19199-PASS



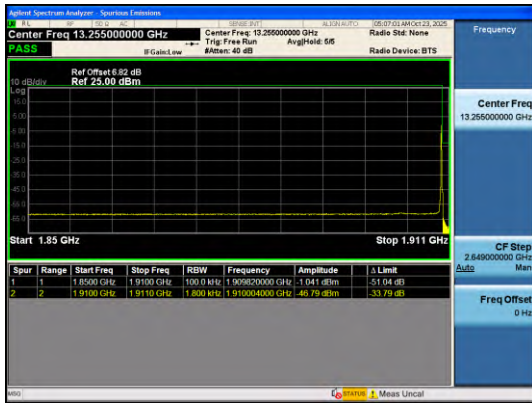
Band2-0.18-QPSK-19199-PASS



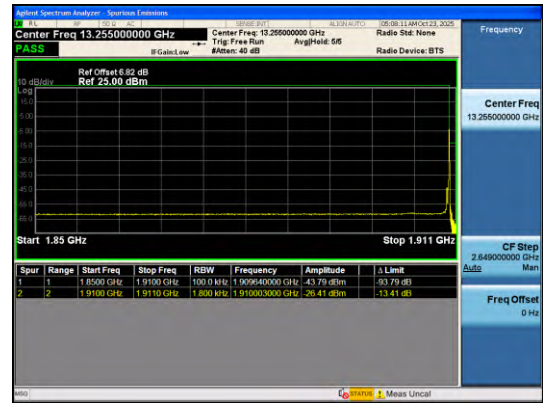
Band2-0.18-QPSK-19199-PASS



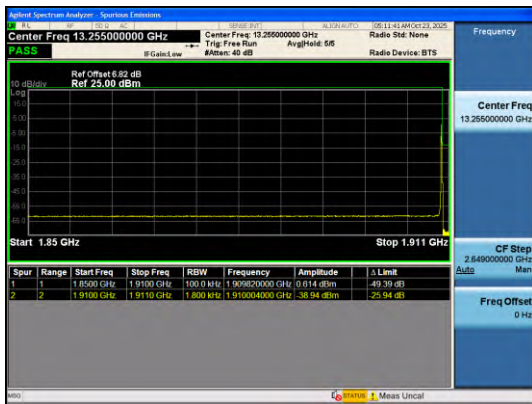
Band2-0.18-QPSK-19199-PASS



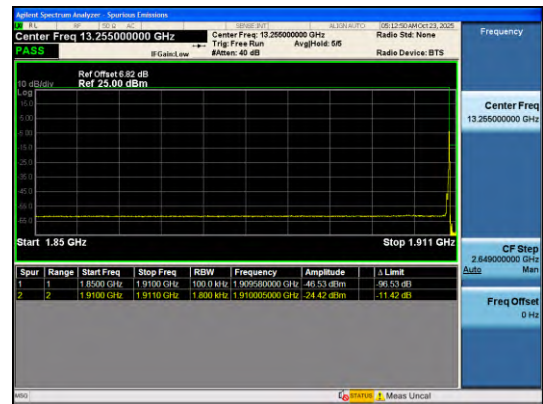
Band2-0.18-BPSK-19199-PASS



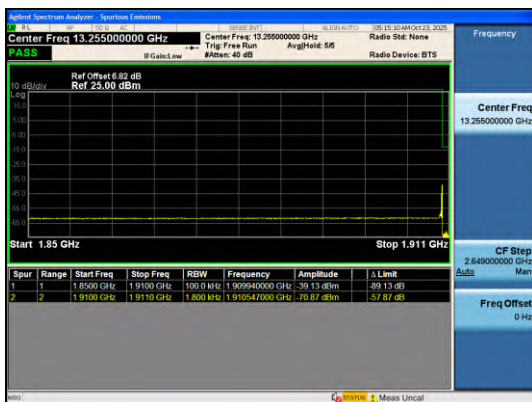
Band2-0.18-BPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS

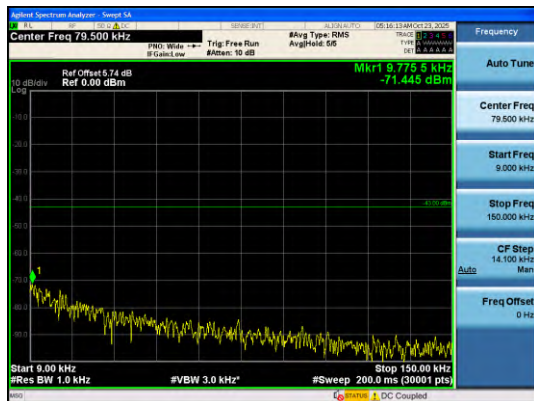
Conducted Spurious Emission for NB1

Test Result

Band	OpMode	SCS	BW	Modulation	Channel	Tones	Freq Start [MHz]	Freq Stop [MHz]	Result (dBm)	Limit (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	0.009	0.15	-71.45	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	0.15	30	-74.08	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	30	1000	-55.68	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	1000	20000	-43.86	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	0.009	0.15	-70.16	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	0.15	30	-74.48	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	30	1000	-55.62	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	1000	20000	-44.03	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	0.009	0.15	-70.45	-43	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	0.15	30	-74.01	-33	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	30	1000	-55.64	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	1000	20000	-44.27	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	0.009	0.15	-71.21	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	0.15	30	-74.04	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	30	1000	-54.58	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	1000	20000	-44.24	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	0.009	0.15	-70.56	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	0.15	30	-72.14	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	30	1000	-54.64	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	1000	20000	-44.06	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	0.009	0.15	-69.12	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	0.15	30	-73.57	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	30	1000	-54.13	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	1000	20000	-36.07	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	0.009	0.15	-69.83	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	0.15	30	-75.17	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	30	1000	-55.1	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	1000	20000	-37.96	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	0.009	0.15	-69.19	-43	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	0.15	30	-73.39	-33	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	30	1000	-54.99	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	1000	20000	-43.19	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	0.009	0.15	-70.78	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	0.15	30	-71.6	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	30	1000	-53.42	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	1000	20000	-38.18	-13	PASS

Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	0.009	0.15	-69.01	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	0.15	30	-72.68	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	30	1000	-53.69	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	1000	20000	-40.66	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	0.009	0.15	-69.09	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	0.15	30	-72.67	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	30	1000	-54.6	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	1000	20000	-43.18	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	0.009	0.15	-68.42	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	0.15	30	-73.8	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	30	1000	-54.59	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	1000	20000	-42.69	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	0.009	0.15	-70.21	-43	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	0.15	30	-72.1	-33	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	30	1000	-53.59	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	1000	20000	-42.92	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	0.009	0.15	-70.21	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	0.15	30	-73.1	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	30	1000	-53.44	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	1000	20000	-43.26	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	0.009	0.15	-70.23	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	0.15	30	-72.3	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	30	1000	-53.58	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	1000	20000	-42.99	-13	PASS

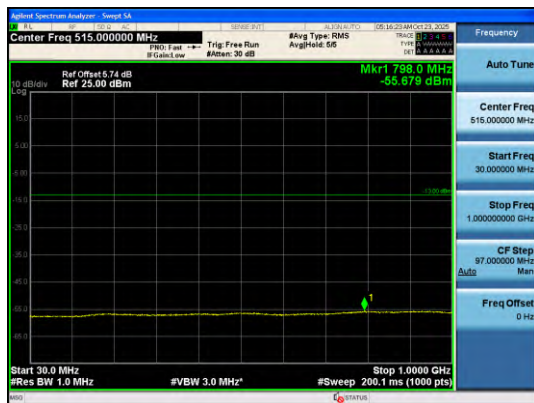
Test Graphs



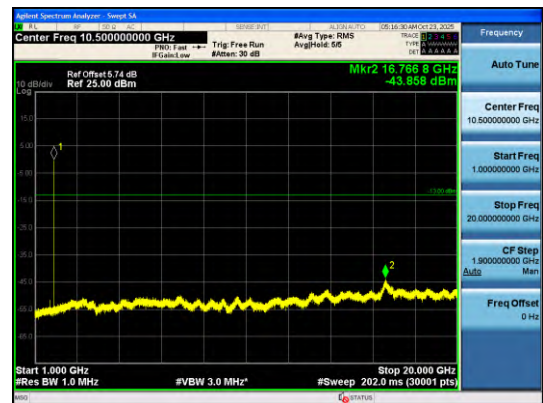
Band2-0.18-QPSK-18601-0.009-0.15-PASS



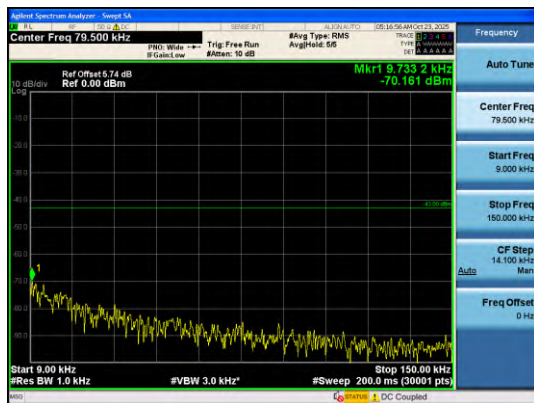
Band2-0.18-QPSK-18601-0.15-30-PASS



Band2-0.18-QPSK-18601-30-1000-PASS



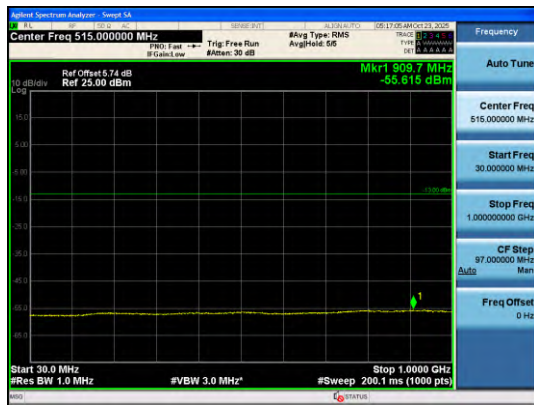
Band2-0.18-QPSK-18601-1000-20000-PASS



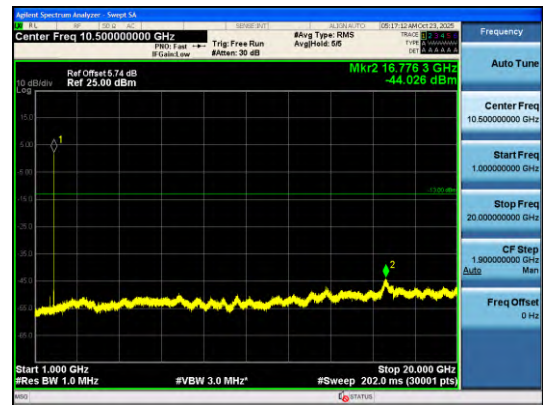
Band2-0.18-QPSK-18601-0.009-0.15-PASS



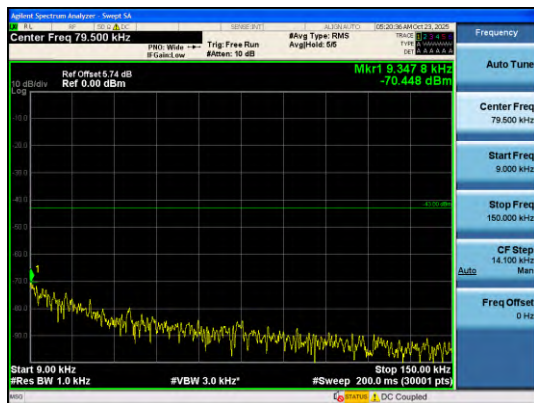
Band2-0.18-QPSK-18601-0.15-30-PASS



Band2-0.18-QPSK-18601-30-1000-PASS



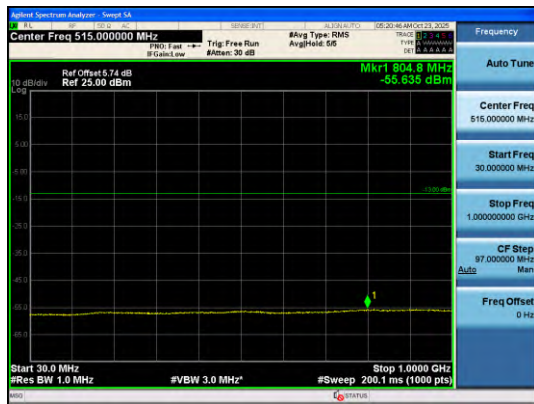
Band2-0.18-QPSK-18601-1000-20000-PASS



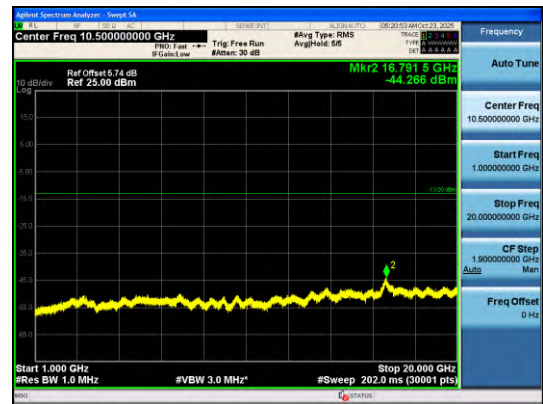
Band2-0.18-QPSK-18601-0.009-0.15-PASS



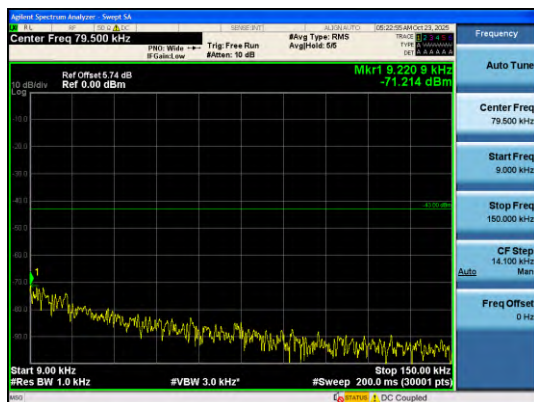
Band2-0.18-QPSK-18601-0.15-30-PASS



Band2-0.18-QPSK-18601-30-1000-PASS



Band2-0.18-QPSK-18601-1000-20000-PASS



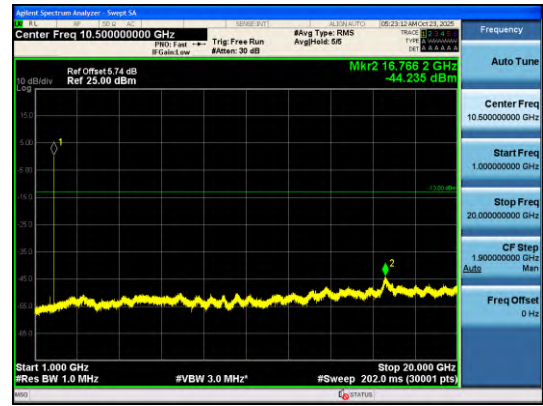
Band2-0.18-BPSK-18601-0.009-0.15-PASS



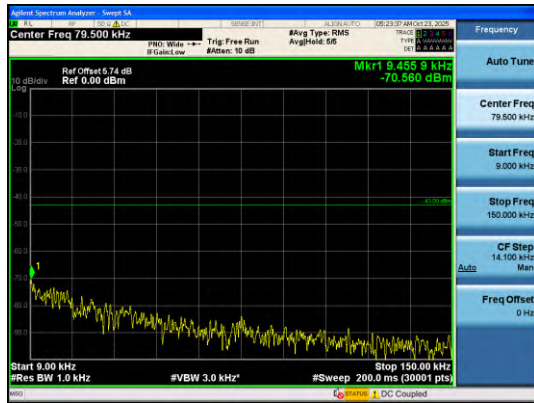
Band2-0.18-BPSK-18601-0.15-30-PASS



Band2-0.18-BPSK-18601-30-1000-PASS



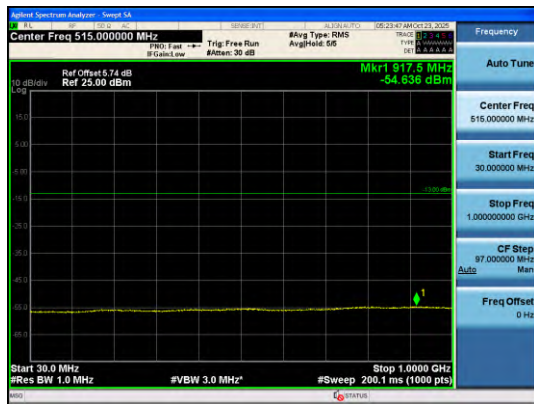
Band2-0.18-BPSK-18601-1000-20000-PASS



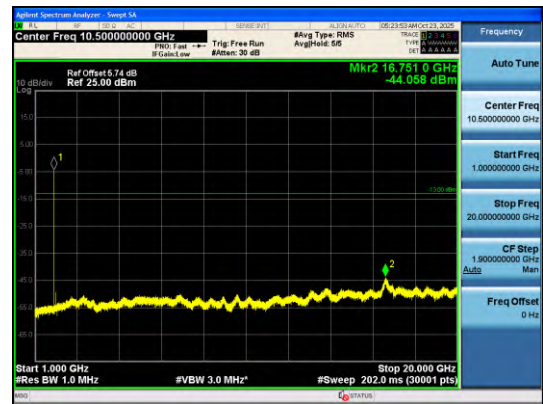
Band2-0.18-BPSK-18601-0.009-0.15-PASS



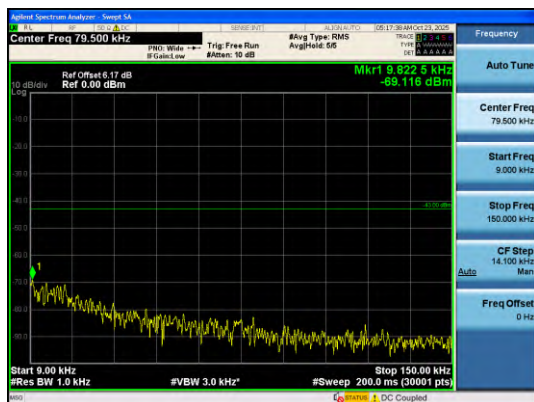
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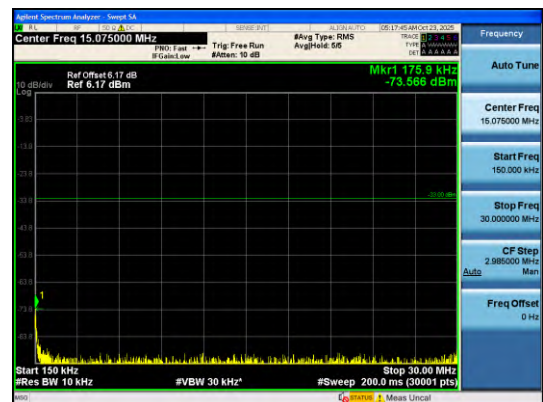
Band2-0.18-BPSK-18601-30-1000-PASS



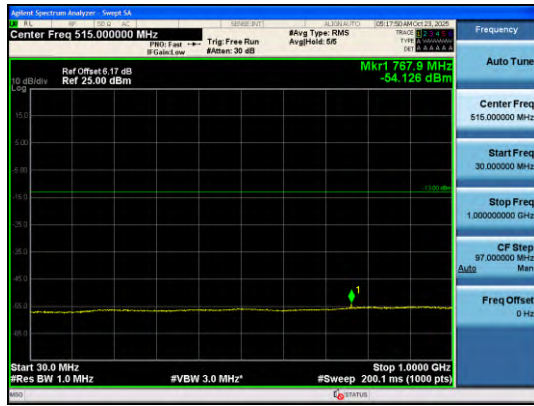
Band2-0.18-BPSK-18601-1000-20000-PASS



Band2-0.18-QPSK-18876-0.009-0.15-PASS



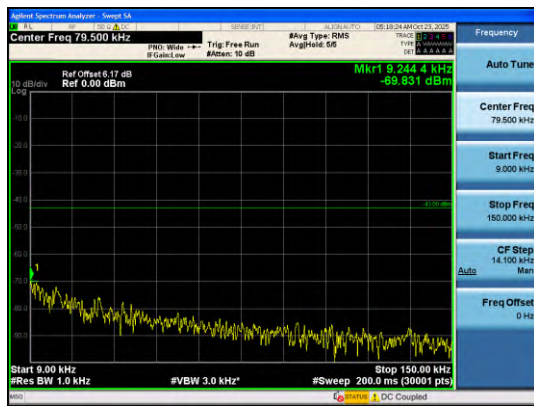
Band2-0.18-QPSK-18876-0.15-30-PASS



Band2-0.18-QPSK-18876-30-1000-PASS



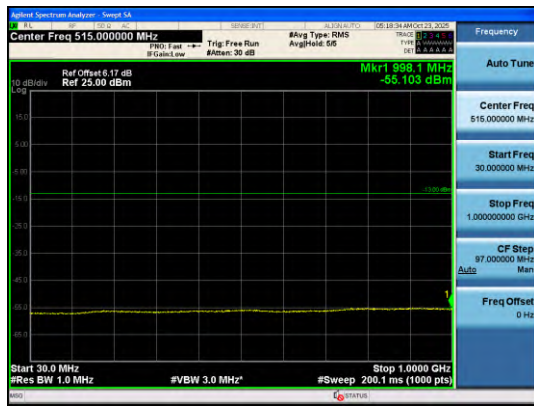
Band2-0.18-QPSK-18876-1000-20000-PASS



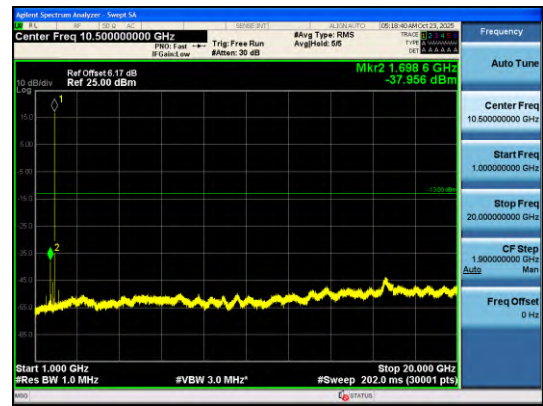
Band2-0.18-QPSK-18876-0.009-0.15-PASS



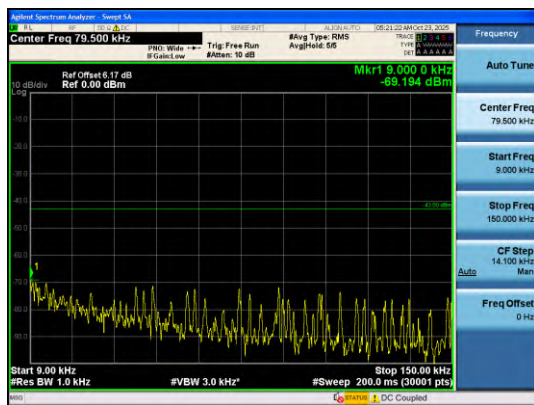
Band2-0.18-QPSK-18876-0.15-30-PASS



Band2-0.18-QPSK-18876-30-1000-PASS



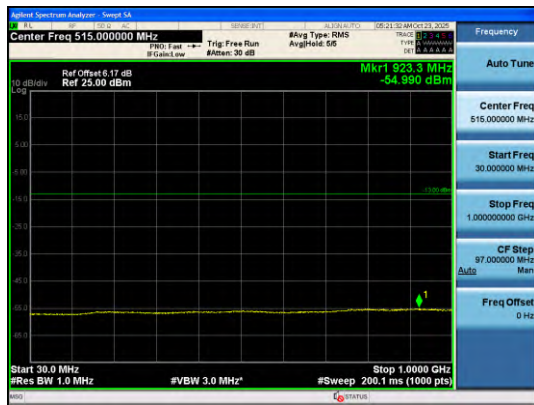
Band2-0.18-QPSK-18876-1000-20000-PASS



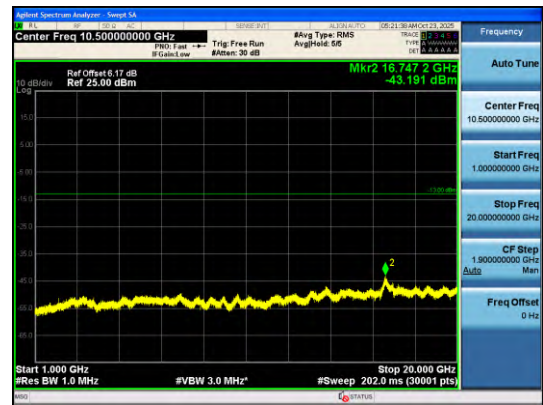
Band2-0.18-QPSK-18876-0.009-0.15-PASS



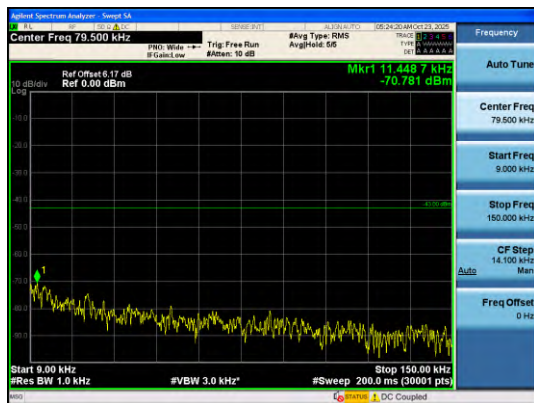
Band2-0.18-QPSK-18876-0.15-30-PASS



Band2-0.18-QPSK-18876-30-1000-PASS



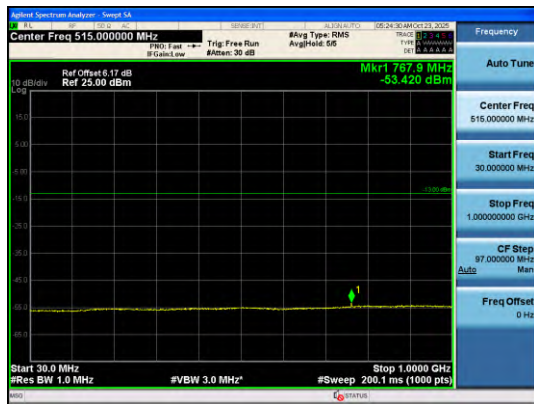
Band2-0.18-QPSK-18876-1000-20000-PASS



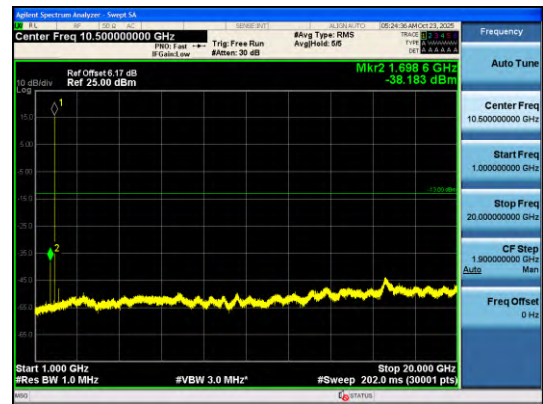
Band2-0.18-BPSK-18876-0.009-0.15-PASS



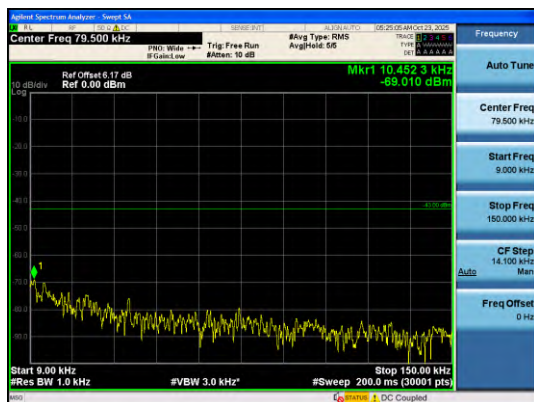
Band2-0.18-BPSK-18876-0.15-30-PASS



Band2-0.18-BPSK-18876-30-1000-PASS



Band2-0.18-BPSK-18876-1000-20000-PASS



Band2-0.18-BPSK-18876-0.009-0.15-PASS



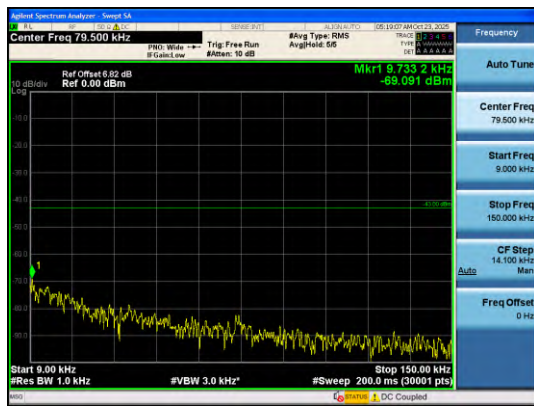
Band2-0.18-BPSK-18876-0.15-30-PASS



Band2-0.18-BPSK-18876-30-1000-PASS



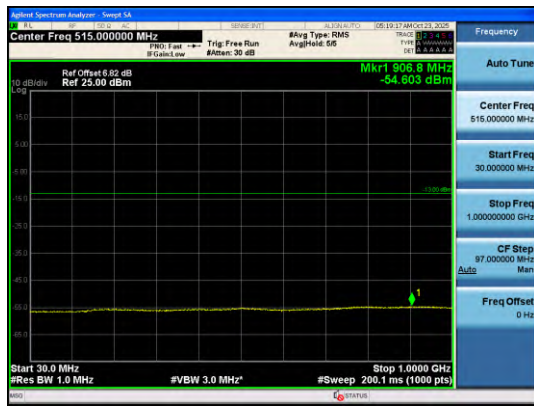
Band2-0.18-BPSK-18876-1000-20000-PASS



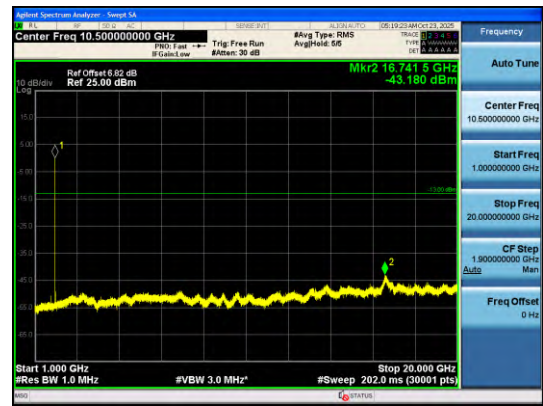
Band2-0.18-QPSK-19199-0.009-0.15-PASS



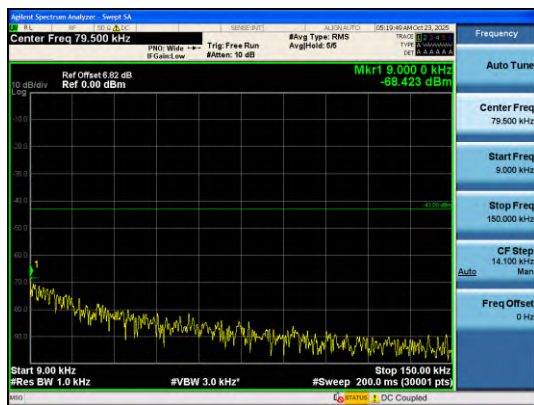
Band2-0.18-QPSK-19199-0.15-30-PASS



Band2-0.18-QPSK-19199-30-1000-PASS



Band2-0.18-QPSK-19199-1000-20000-PASS



Band2-0.18-QPSK-19199-0.009-0.15-PASS



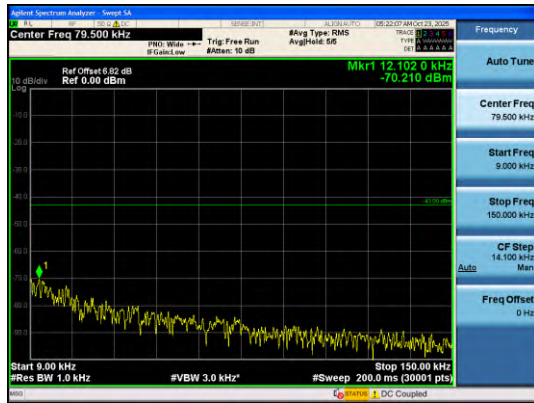
Band2-0.18-QPSK-19199-0.15-30-PASS



Band2-0.18-QPSK-19199-30-1000-PASS



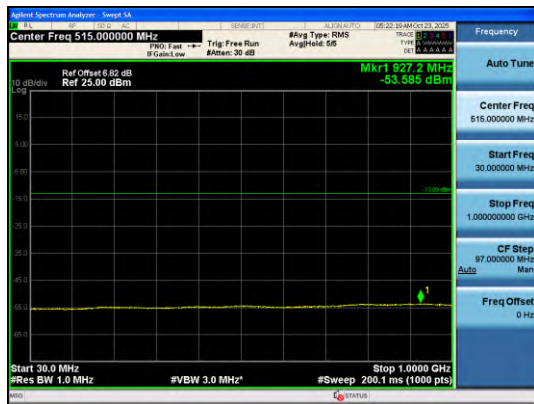
Band2-0.18-QPSK-19199-1000-20000-PASS



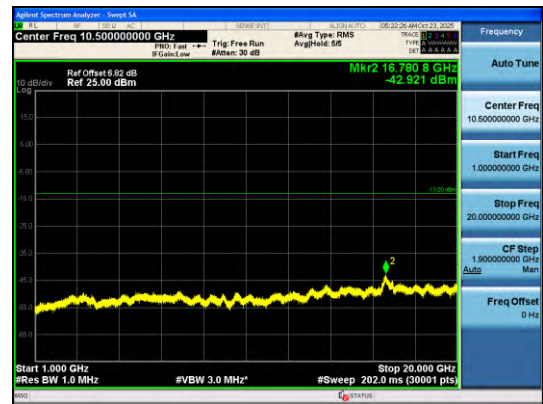
Band2-0.18-QPSK-19199-0.009-0.15-PASS



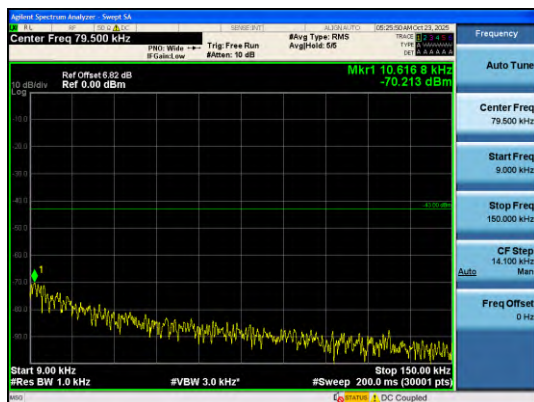
Band2-0.18-QPSK-19199-0.15-30-PASS



Band2-0.18-QPSK-19199-30-1000-PASS



Band2-0.18-QPSK-19199-1000-20000-PASS



Band2-0.18-BPSK-19199-0.009-0.15-PASS



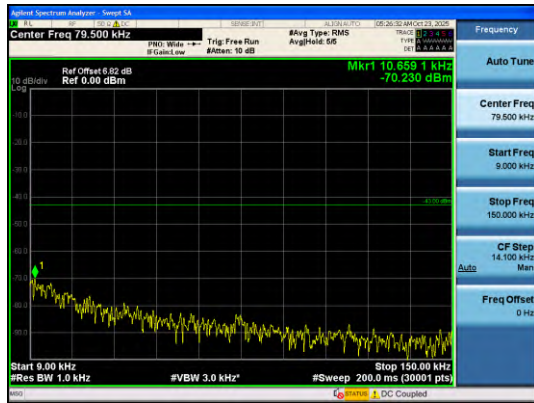
Band2-0.18-BPSK-19199-0.15-30-PASS



Band2-0.18-BPSK-19199-30-1000-PASS



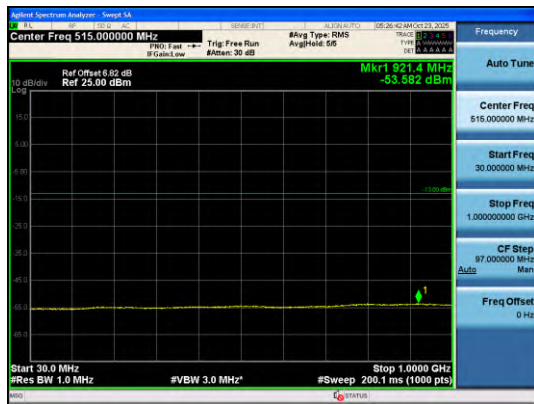
Band2-0.18-BPSK-19199-1000-20000-PASS



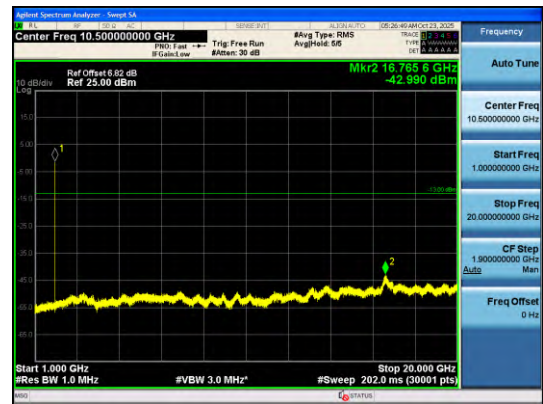
Band2-0.18-BPSK-19199-0.009-0.15-PASS



Band2-0.18-BPSK-19199-0.15-30-PASS



Band2-0.18-BPSK-19199-30-1000-PASS



Band2-0.18-BPSK-19199-1000-20000-PASS

Frequency Stability for NB1

Test Result

Voltage												
Band	OpMode	SCS	Bandwidth	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	VN	NT	-48.45	-0.025804	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	VL	NT	-35.11	-0.018699	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	VH	NT	-33.50	-0.017842	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	VN	NT	-26.50	-0.014114	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	VL	NT	-22.84	-0.012164	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	VH	NT	-22.00	-0.011717	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	VN	NT	-31.58	-0.016819	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	VL	NT	-36.03	-0.019189	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	VH	NT	-36.39	-0.019381	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	VN	NT	-29.56	-0.015744	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	VL	NT	-23.63	-0.012585	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	VH	NT	-25.05	-0.013341	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	-30	-21.51	-0.011456	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	-20	-24.30	-0.012942	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	-10	-24.64	-0.013123	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	0	-22.69	-0.012085	±2.5	PASS

Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	10	-19.61	-0.010444	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	20	-19.33	-0.010295	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	30	-19.97	-0.010636	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	40	-20.95	-0.011158	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	50	-20.96	-0.011163	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	-30	-30.83	-0.016420	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	-20	-31.61	-0.016835	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	-10	-30.32	-0.016148	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	0	-28.33	-0.015088	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	10	-24.27	-0.012926	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	20	-25.38	-0.013517	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	30	-23.99	-0.012777	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	40	-19.51	-0.010391	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	50	-20.82	-0.011089	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	-30	-35.42	-0.018865	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	-10	-36.15	-0.019253	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	0	-36.58	-0.019482	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	10	-36.48	-0.019429	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	20	-36.48	-0.019429	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	30	-28.06	-0.014945	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	40	-35.35	-0.018827	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	50	-32.12	-0.017107	±2.5	PASS

Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	-30	-29.75	-0.015845	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	-20	-31.94	-0.017011	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	-10	-31.74	-0.016905	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	-20	-34.58	-0.018417	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	0	-26.78	-0.014263	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	10	-25.48	-0.013571	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	20	-29.87	-0.015909	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	30	-32.08	-0.017086	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	40	-25.91	-0.013800	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	50	-24.54	-0.013070	±2.5	PASS