

Effective (Isotropic) Radiated Power Output Data for NB2

Test Result

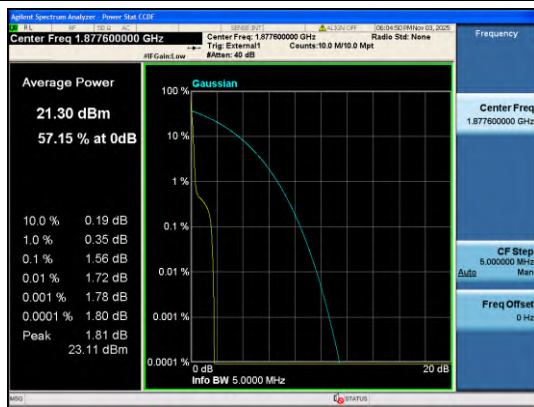
Band	OpMode	SCS	BW	Modulation	Channel	Tones	POWER (dBm)	ERP/EIRP (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	3.08	4.07	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	2.95	3.94	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@0	3.05	4.04	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@11	3.03	4.02	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	3@3	3.00	3.99	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@0	2.97	3.96	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@47	2.89	3.88	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	2.85	3.84	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	20.11	21.1	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	19.96	20.95	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	20.48	21.47	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	20.44	21.43	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	3@3	20.68	21.67	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18876	1@0	19.65	20.64	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18876	1@47	19.97	20.96	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	20.12	21.11	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	20.00	20.99	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	2.15	3.14	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	2.19	3.18	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@0	2.38	3.37	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@11	2.31	3.3	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	2.17	3.16	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	19199	1@47	2.19	3.18	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	2.21	3.2	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	2.26	3.25	PASS

Peak-to-Average Ratio(CCDF) for NB2

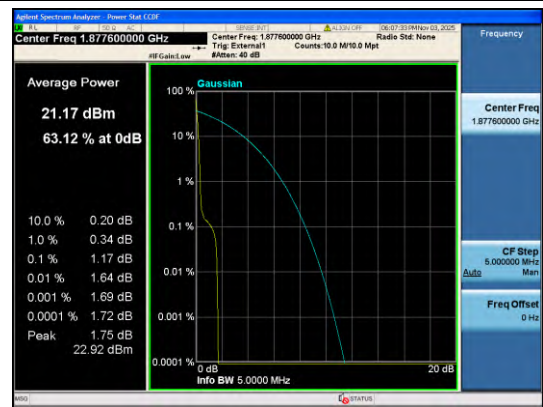
Test Result

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	1.53	<=13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	3@3	4.21	<=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	1.52	<=13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	1.52	<=13	PASS

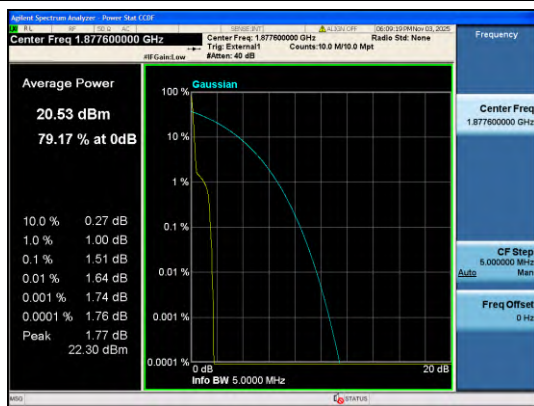
Test Graphs



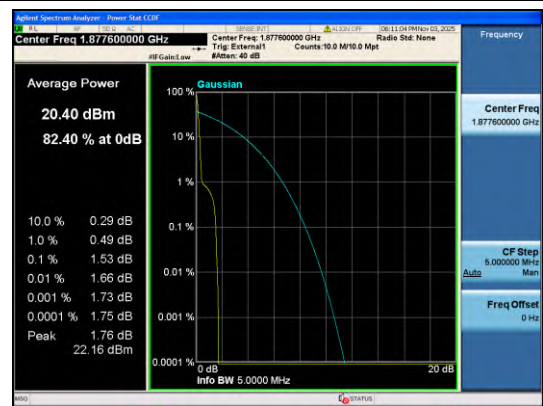
Band2-0.18-QPSK-18876-PASS



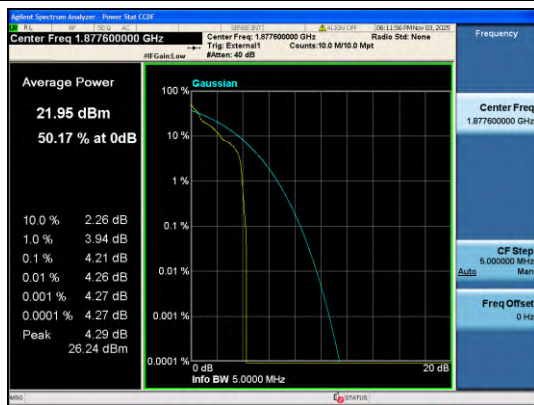
Band2-0.18-QPSK-18876-PASS



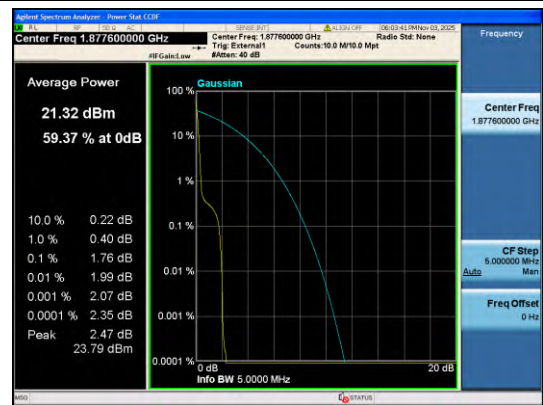
Band2-0.18-QPSK-18876-PASS



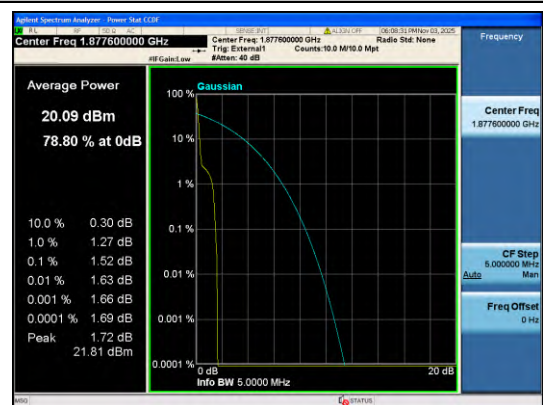
Band2-0.18-QPSK-18876-PASS



Band2-0.18-QPSK-18876-PASS



Band2-0.18-BPSK-18876-PASS



Band2-0.18-BPSK-18876-PASS



Band2-0.18-BPSK-18876-PASS

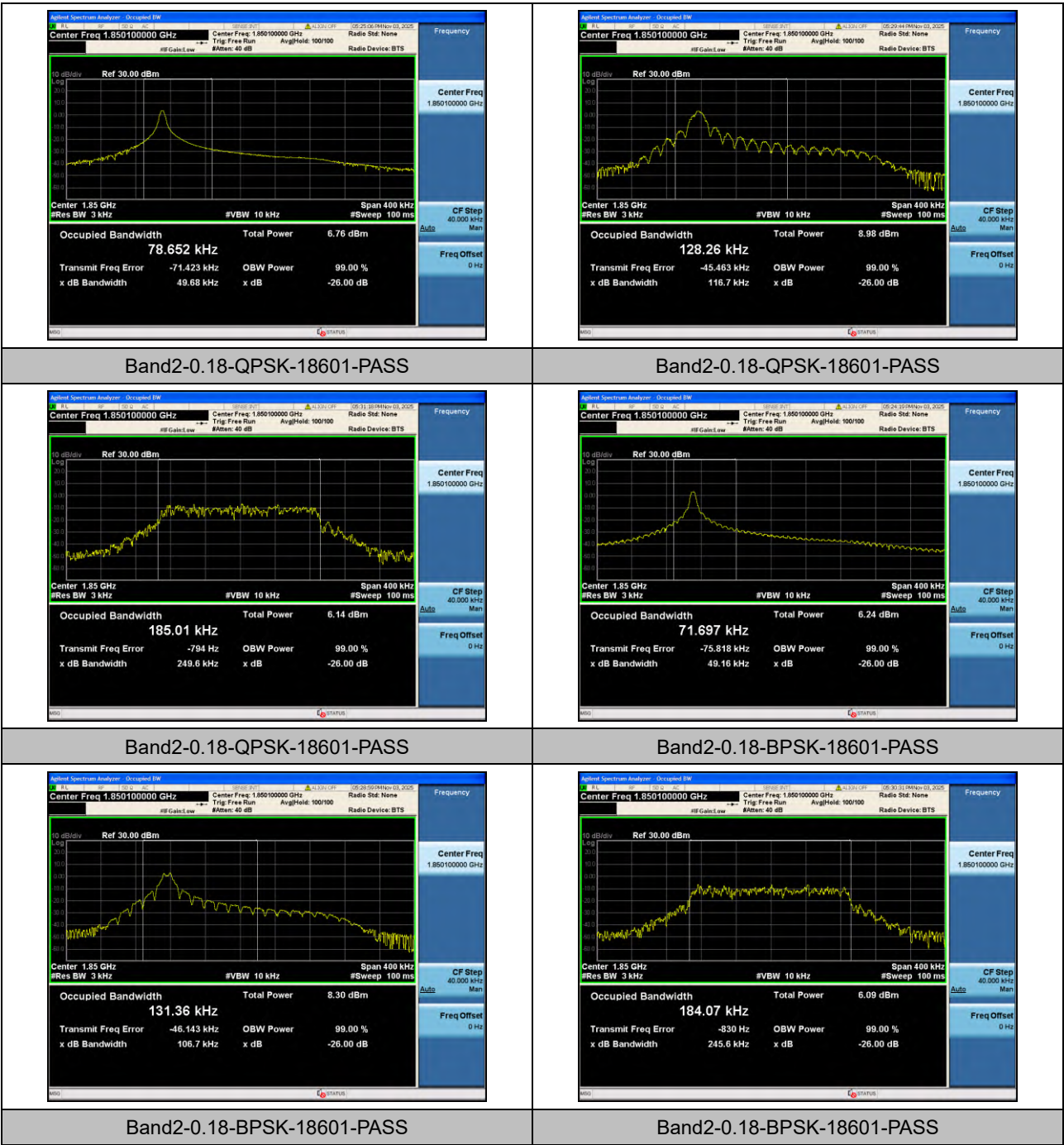
Band2-0.18-BPSK-18876-PASS

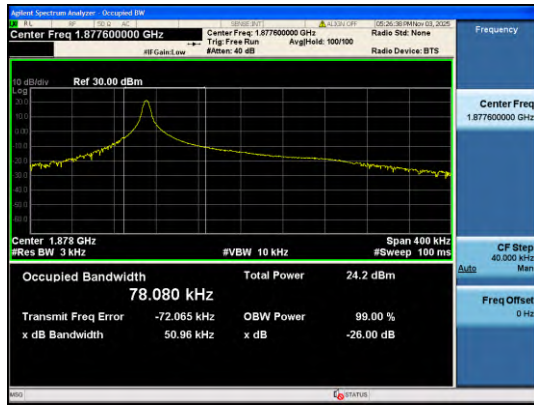
Emission Bandwidth for NB2

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	0.07865	0.0497	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@0	0.12826	0.1167	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	0.18501	0.2496	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@0	0.07170	0.0492	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	0.13136	0.1067	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	12@0	0.18407	0.2456	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	0.07808	0.0510	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	0.12796	0.1160	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	0.18705	0.2590	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18876	1@0	0.06852	0.0491	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	0.13036	0.1062	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	12@0	0.18734	0.2355	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	0.07962	0.0507	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@0	0.12738	0.1169	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	0.18759	0.2532	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	19199	1@0	0.07229	0.0497	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	0.13110	0.1133	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	12@0	0.18568	0.2402	PASS

Test Graphs

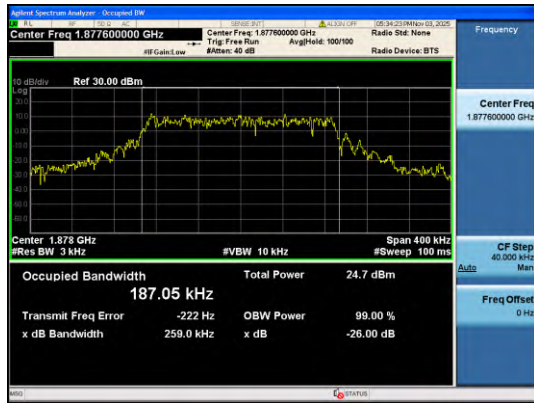




Band2-0.18-QPSK-18876-PASS



Band2-0.18-QPSK-18876-PASS



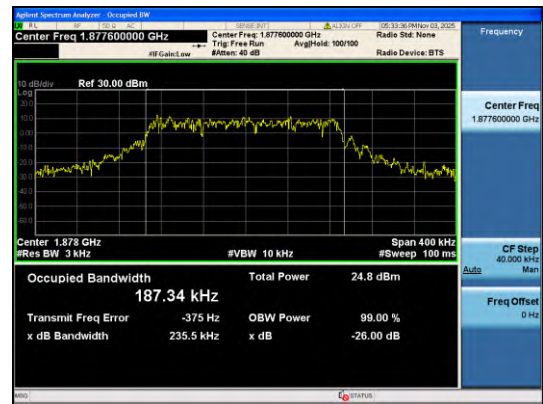
Band2-0.18-QPSK-18876-PASS



Band2-0.18-BPSK-18876-PASS



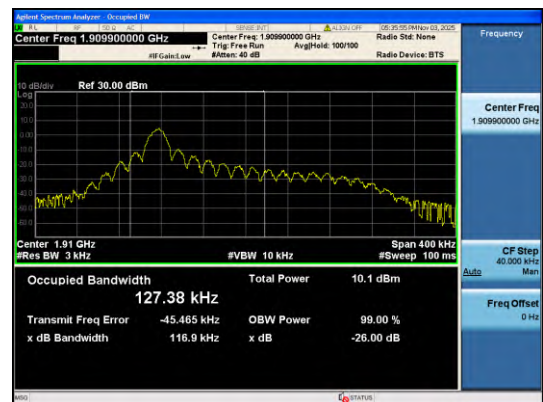
Band2-0.18-BPSK-18876-PASS



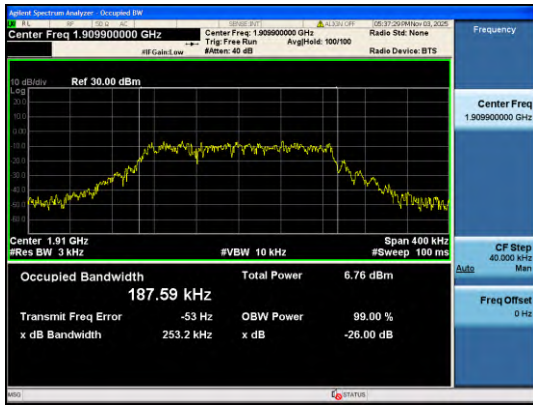
Band2-0.18-BPSK-18876-PASS



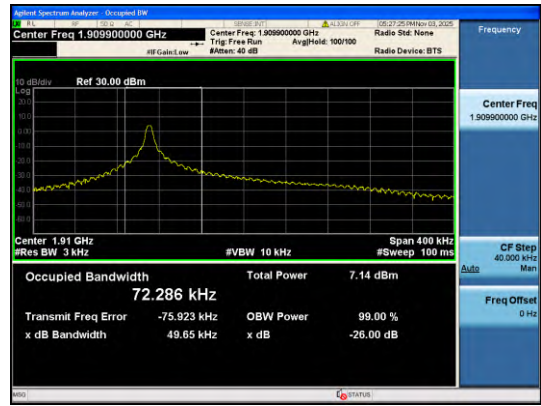
Band2-0.18-QPSK-19199-PASS



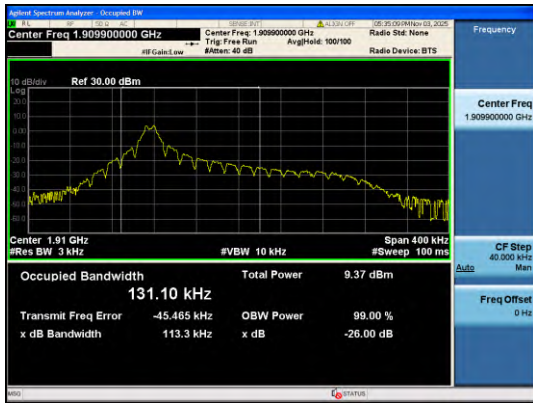
Band2-0.18-QPSK-19199-PASS



Band2-0.18-QPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS



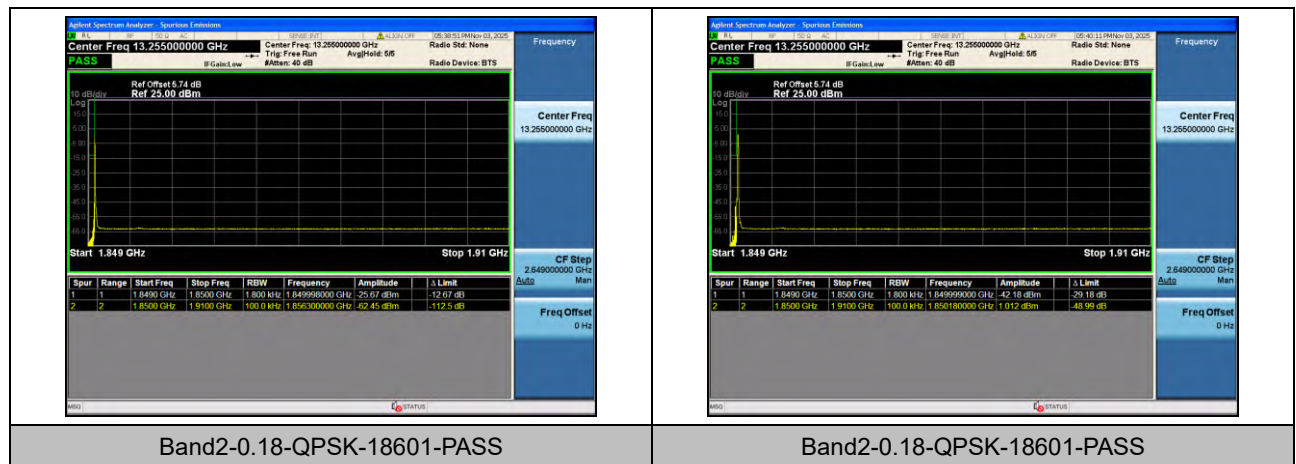
Band2-0.18-BPSK-19199-PASS

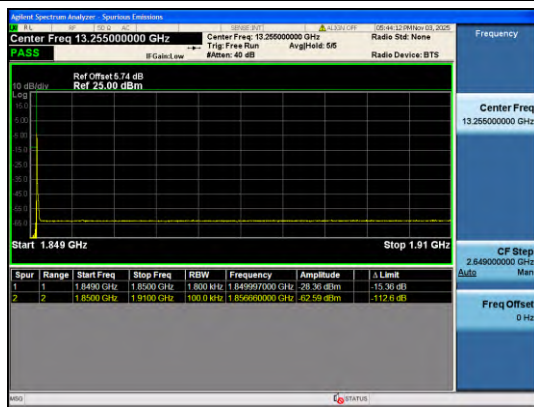
Band Edge for NB2

Test Result

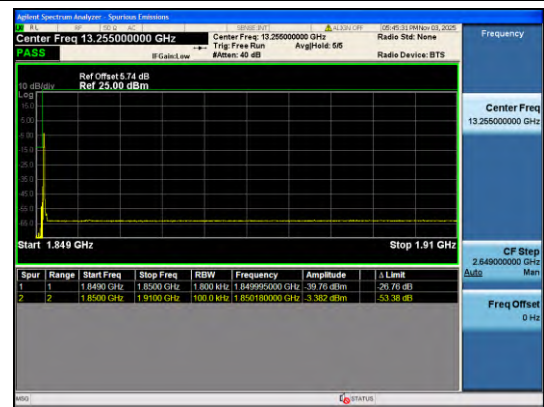
Band	OpMode	SCS	BW	Modulation	Channel	Tones	Result (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	-25.67	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	-42.18	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@0	-28.36	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	1@11	-39.76	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	-73.98	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@0	-25.00	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	18601	1@47	-41.06	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	-22.07	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	-40.12	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	12@0	-35.87	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	-43.36	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	-25.85	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@0	-70.15	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	1@11	-23.20	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	-40.46	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	19199	1@0	-45.48	PASS
Band2	Stand-Alone	3.75kHz	0.18	BPSK	19199	1@47	-25.84	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	-41.15	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	-21.00	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	12@0	-30.66	PASS

Test Graphs

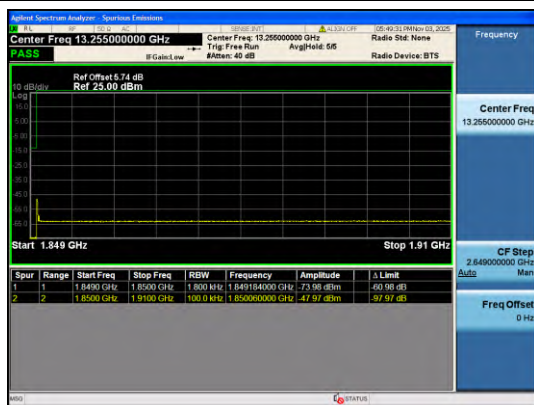




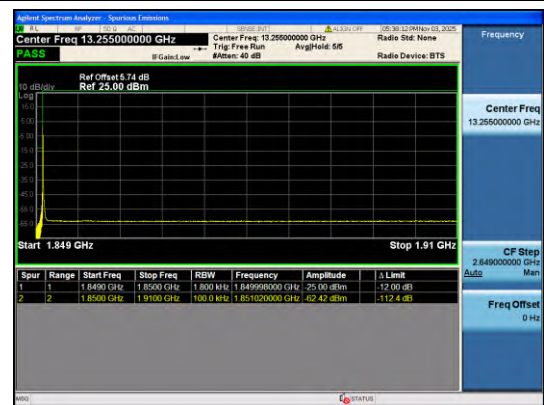
Band2-0.18-QPSK-18601-PASS



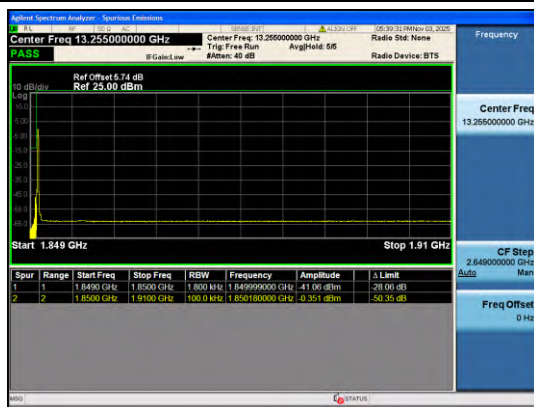
Band2-0.18-QPSK-18601-PASS



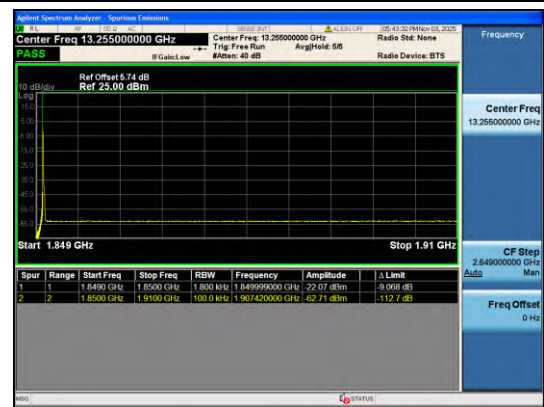
Band2-0.18-QPSK-18601-PASS



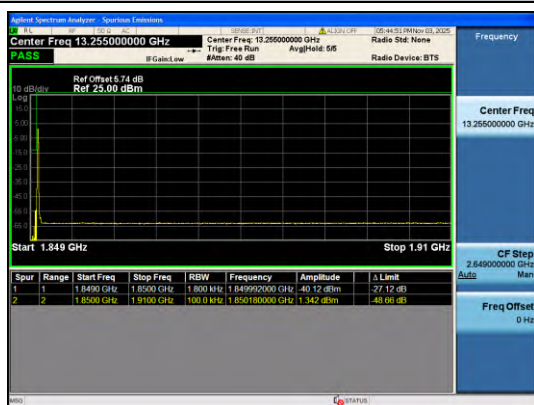
Band2-0.18-BPSK-18601-PASS



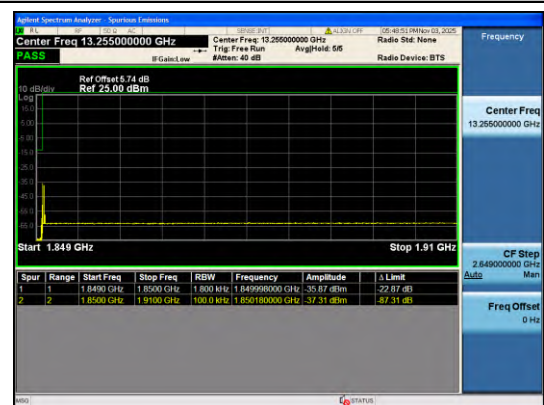
Band2-0.18-BPSK-18601-PASS



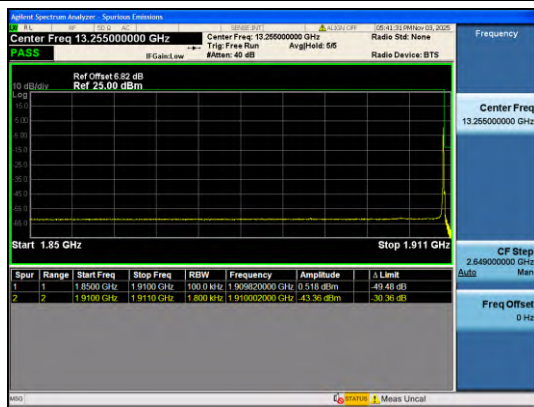
Band2-0.18-BPSK-18601-PASS



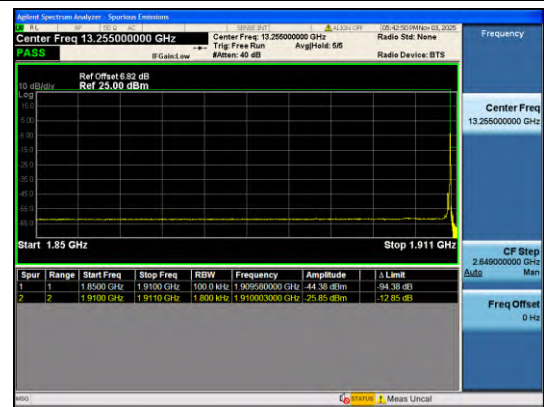
Band2-0.18-BPSK-18601-PASS



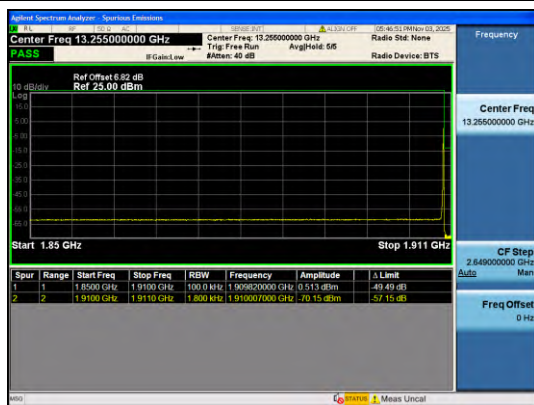
Band2-0.18-BPSK-18601-PASS



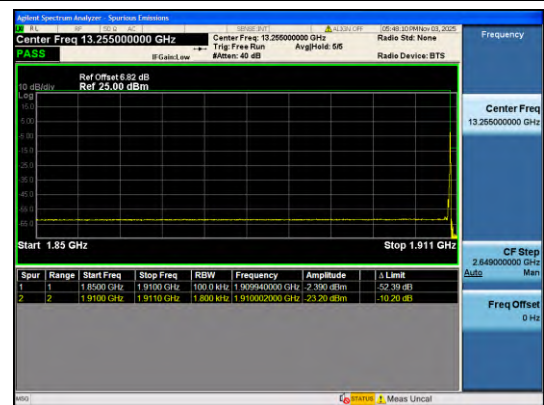
Band2-0.18-QPSK-19199-PASS



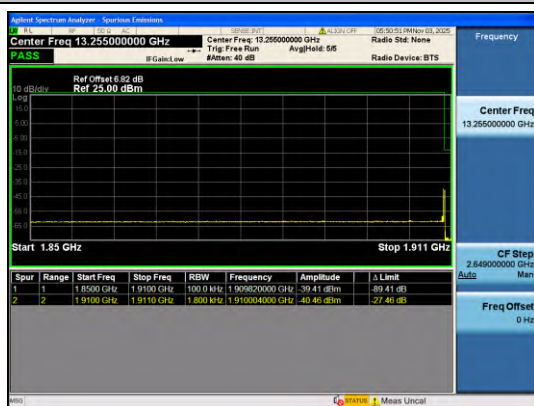
Band2-0.18-QPSK-19199-PASS



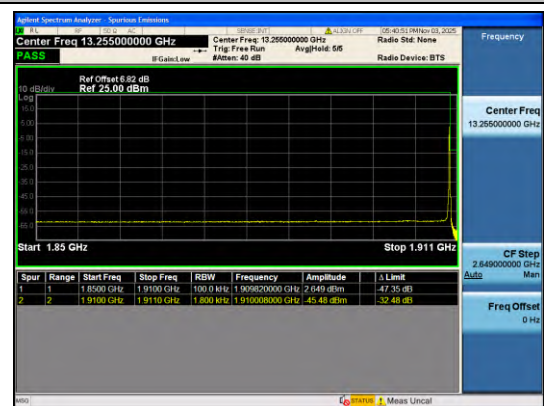
Band2-0.18-QPSK-19199-PASS



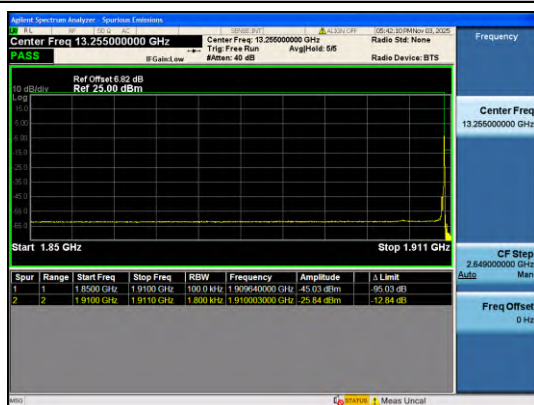
Band2-0.18-QPSK-19199-PASS



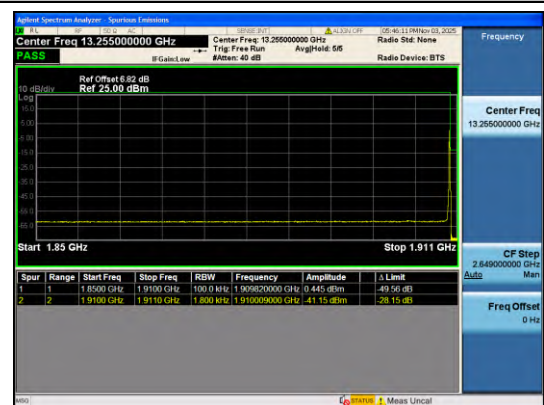
Band2-0.18-QPSK-19199-PASS



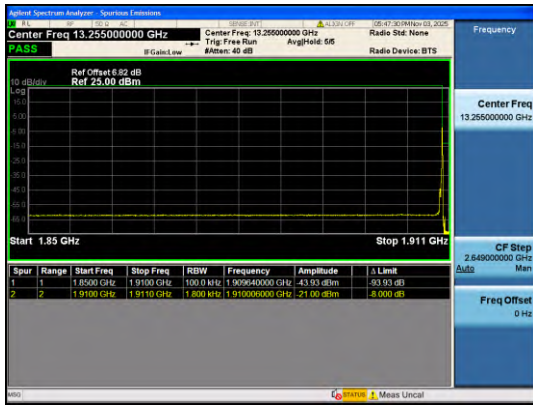
Band2-0.18-BPSK-19199-PASS



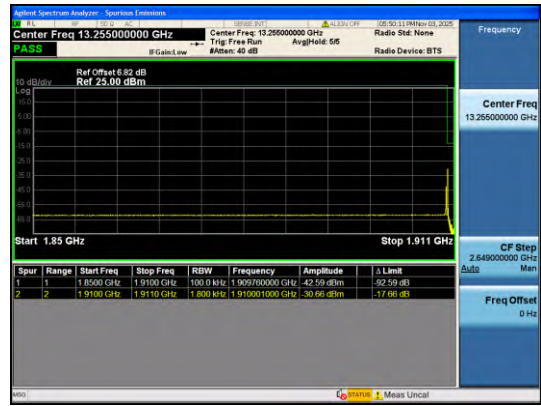
Band2-0.18-BPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS



Band2-0.18-BPSK-19199-PASS

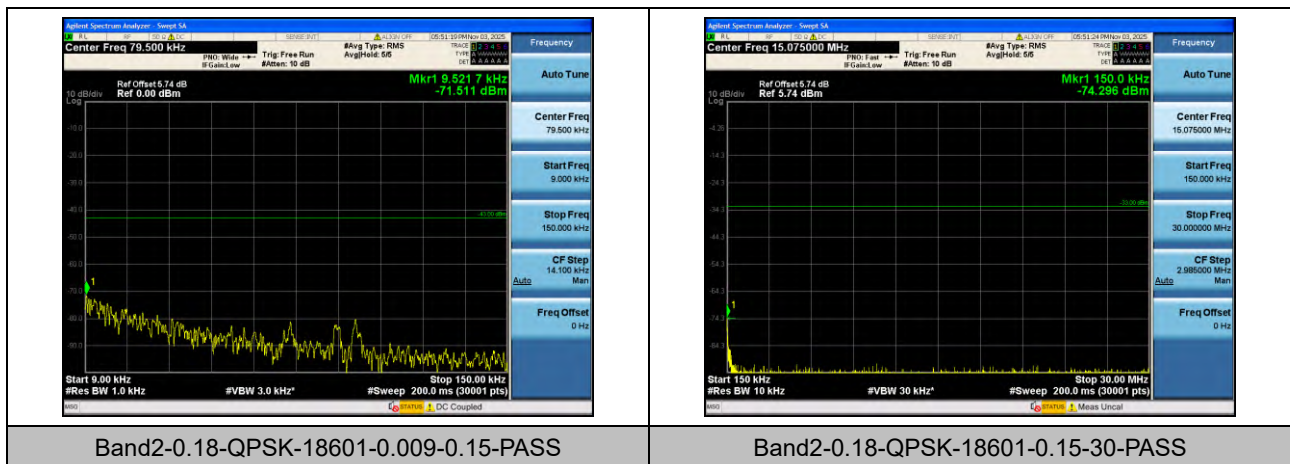
Conducted Spurious Emission for NB2

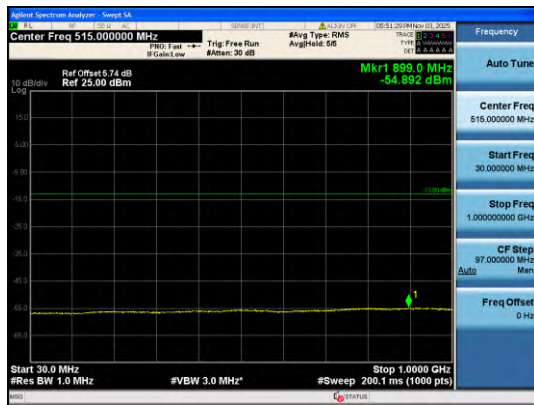
Test Result

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	-71.51	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	0.15	30	-74.3	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	30	1000	-54.89	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@0	1000	20000	-44.72	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	0.009	0.15	-71.6	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	0.15	30	-74.29	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	30	1000	-54.78	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18601	1@47	1000	20000	-44.32	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	0.009	0.15	-69.14	-43	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	0.15	30	-76.22	-33	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	30	1000	-54.81	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18601	12@0	1000	20000	-44.03	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	0.009	0.15	-71.02	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	0.15	30	-74.28	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	30	1000	-54.84	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@0	1000	20000	-44.52	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	0.009	0.15	-71.75	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	0.15	30	-74.79	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	30	1000	-54.89	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18601	1@11	1000	20000	-43.98	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	0.009	0.15	-70.08	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	0.15	30	-73.61	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	30	1000	-54.33	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	1000	20000	-34.81	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	0.009	0.15	-66.04	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	0.15	30	-74.12	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	30	1000	-54.28	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	1000	20000	-36.4	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	0.009	0.15	-65.49	-43	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	0.15	30	-67.67	-33	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	30	1000	-54.39	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	12@0	1000	20000	-44.2	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	0.009	0.15	-69.97	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	0.15	30	-73.49	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	30	1000	-53.8	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@0	1000	20000	-39.04	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	0.009	0.15	-69.66	-43	PASS

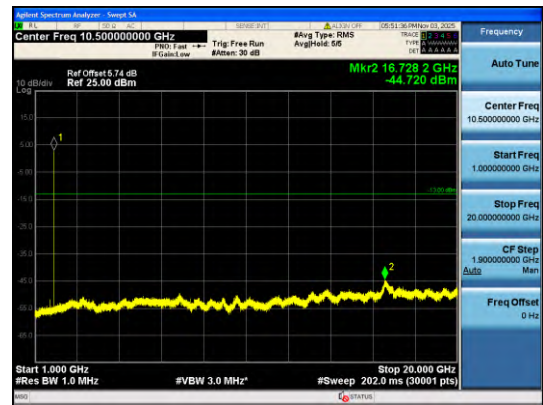
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	0.15	30	-72.07	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	30	1000	-54.39	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	18876	1@11	1000	20000	-41.31	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	0.009	0.15	-69.68	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	0.15	30	-75.1	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	30	1000	-53.73	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@0	1000	20000	-43.22	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	0.009	0.15	-68.15	-43	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	0.15	30	-73.95	-33	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	30	1000	-53.72	-13	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	19199	1@47	1000	20000	-43.21	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	0.009	0.15	-69.35	-43	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	0.15	30	-72.68	-33	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	30	1000	-53.73	-13	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	19199	12@0	1000	20000	-42.55	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	0.009	0.15	-71.5	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	0.15	30	-71.7	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	30	1000	-53.86	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@0	1000	20000	-42.81	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	0.009	0.15	-69.02	-43	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	0.15	30	-74.19	-33	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	30	1000	-53.74	-13	PASS
Band2	Stand-Alone	15kHz	0.18	BPSK	19199	1@11	1000	20000	-43.2	-13	PASS

Test Graphs

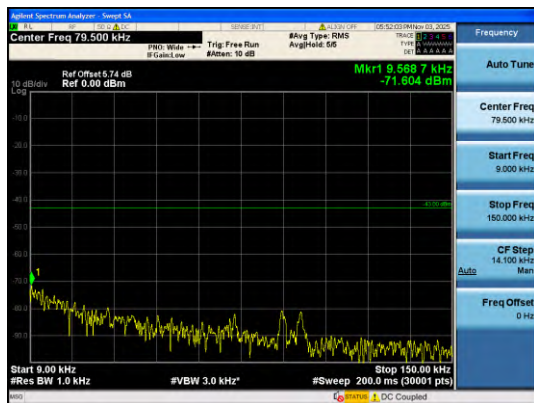




Band2-0.18-QPSK-18601-30-1000-PASS



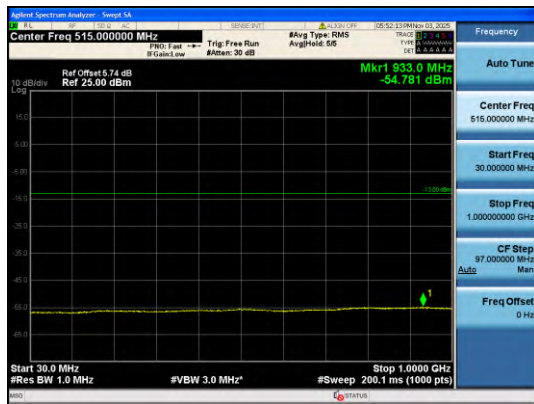
Band2-0.18-QPSK-18601-1000-20000-PASS



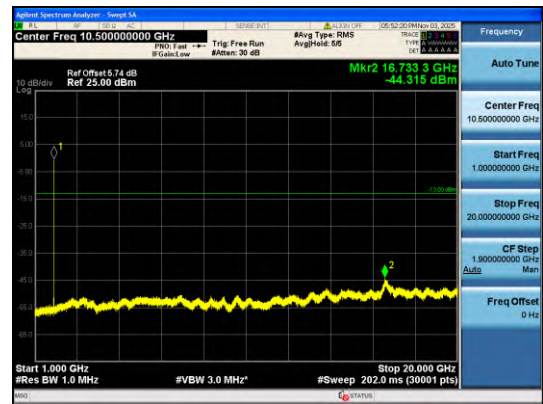
Band2-0.18-QPSK-18601-0.009-0.15-PASS



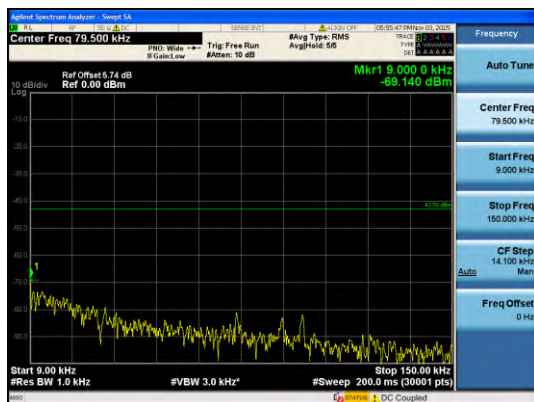
Band2-0.18-QPSK-18601-0.15-30-PASS



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



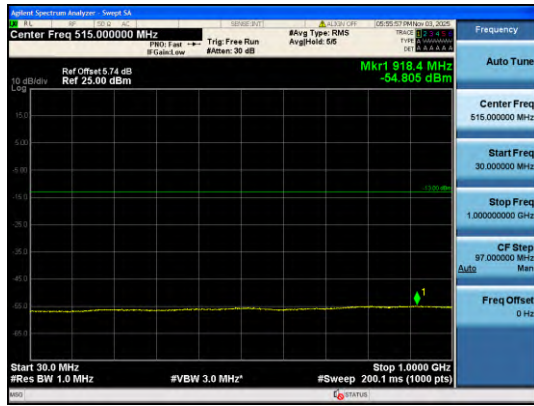
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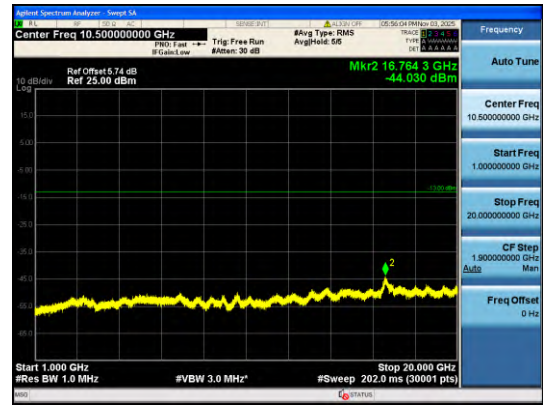
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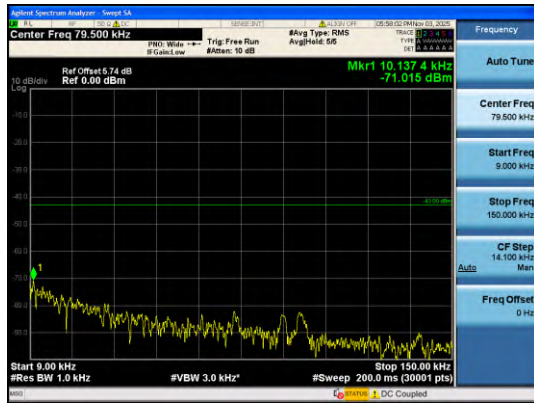
Band2-0.18-QPSK-18601-0.15-30-PASS



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



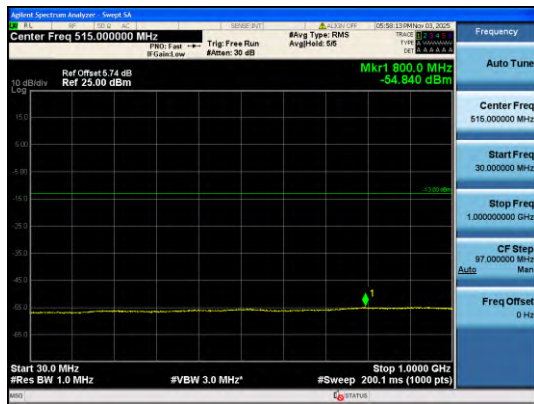
Band2-0.18-QPSK-18601-1000-20000-PASS



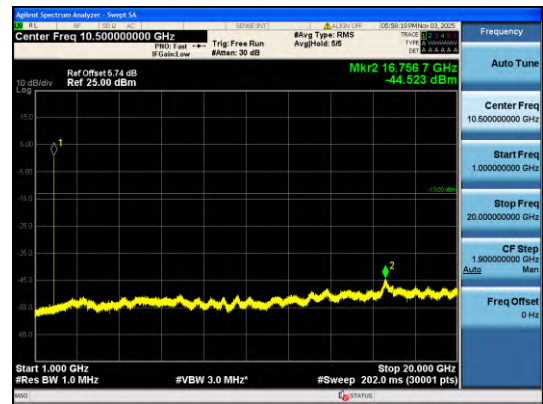
Band2-0.18-BPSK-18601-0.009-0.15-PASS



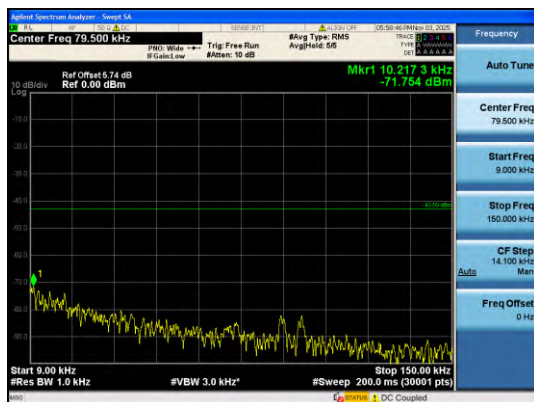
Band2-0.18-BPSK-18601-0.15-30-PASS



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



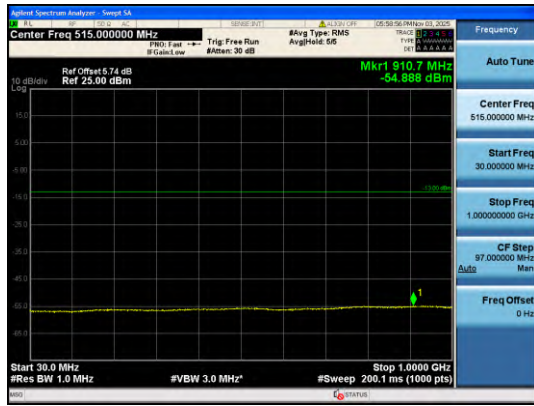
Band2-0.18-BPSK-18601-1000-20000-PASS



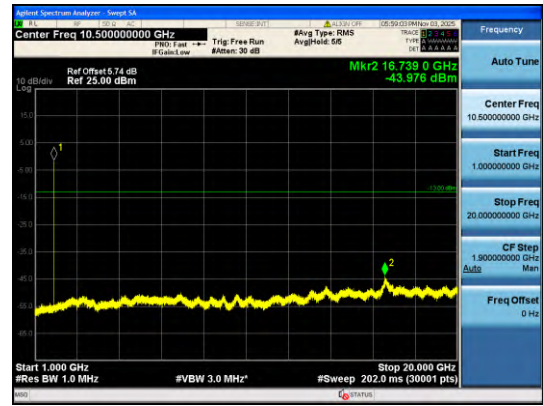
Band2-0.18-BPSK-18601-0.009-0.15-PASS



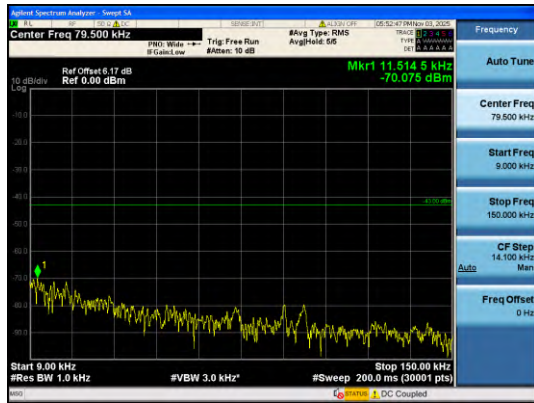
Band2-0.18-BPSK-18601-0.15-30-PASS



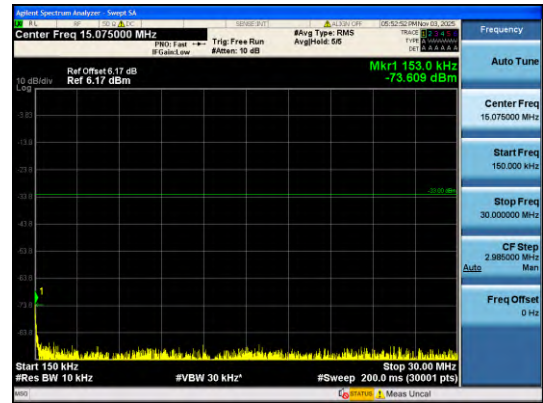
Band2-0.18-BPSK-18601-30-1000-PASS



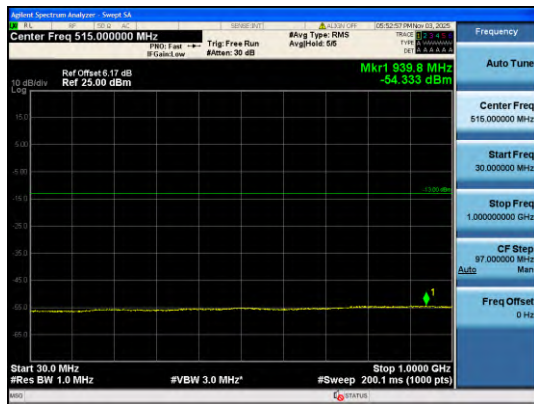
Band2-0.18-BPSK-18601-1000-20000-PASS



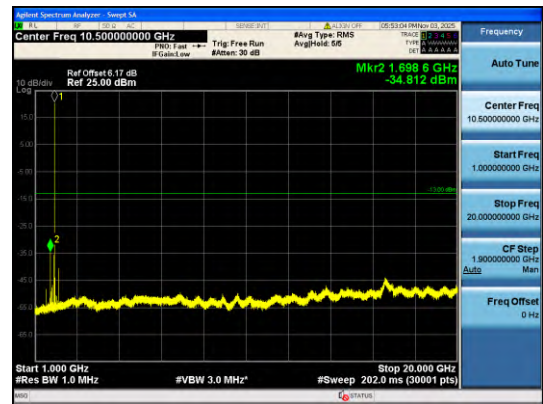
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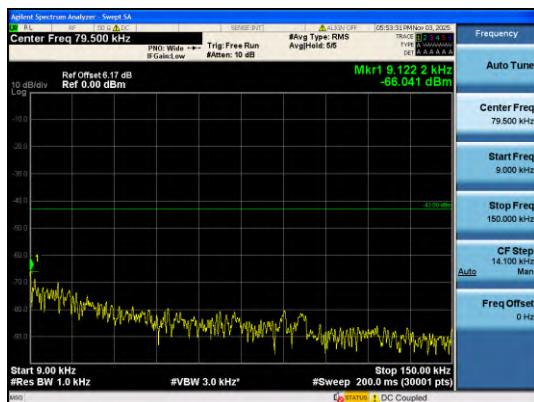
Band2-0.18-QPSK-18876-0.15-30-PASS



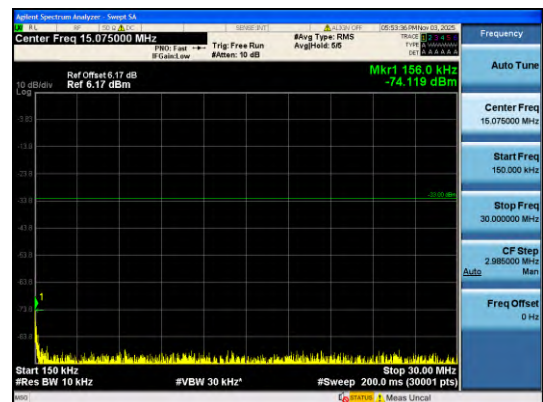
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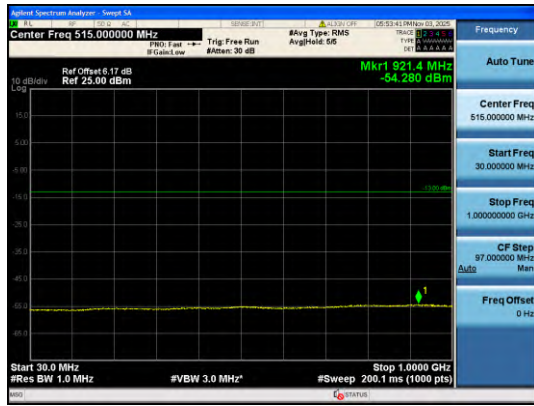
Band2-0.18-QPSK-18876-1000-20000-PASS



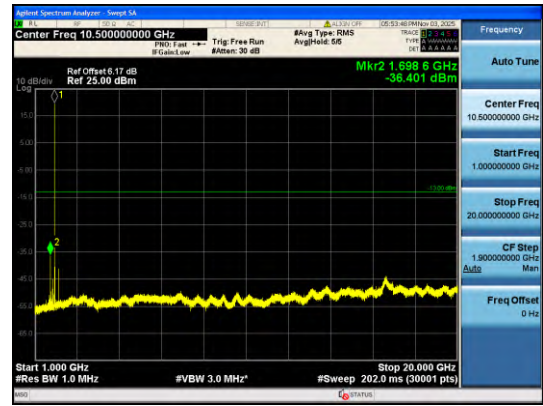
Band2-0.18-QPSK-18876-0.009-0.15-PASS



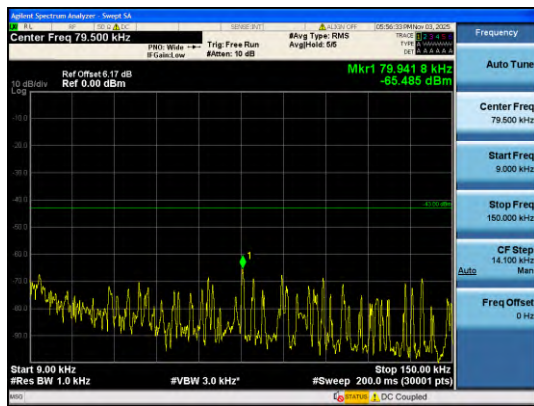
Band2-0.18-QPSK-18876-0.15-30-PASS



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



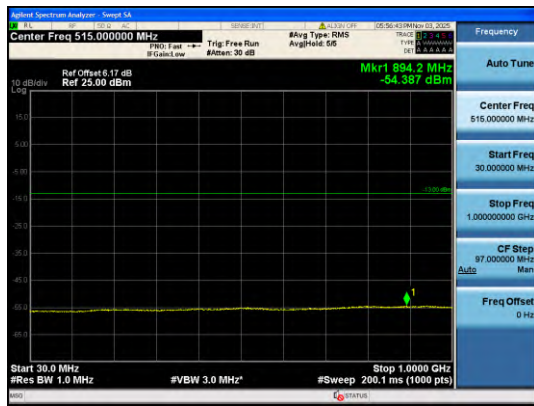
Band2-0.18-QPSK-18876-1000-20000-PASS



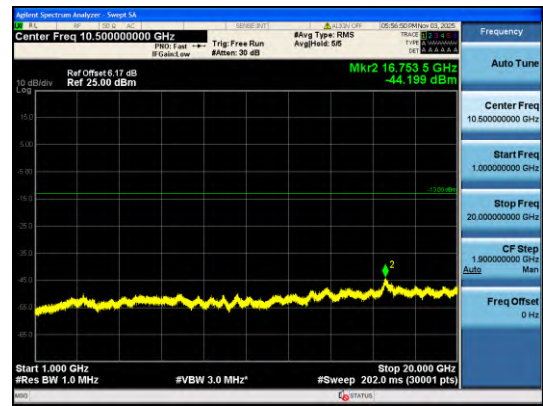
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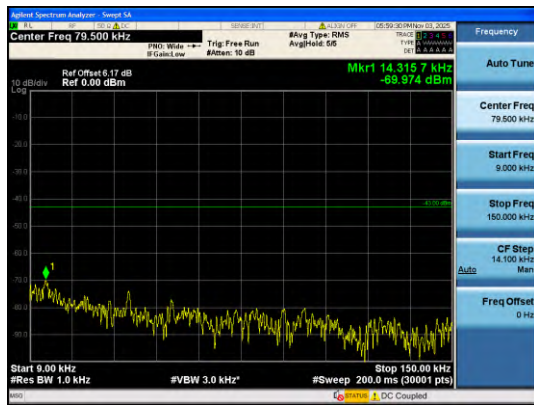
Band2-0.18-QPSK-18876-0.15-30-PASS



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



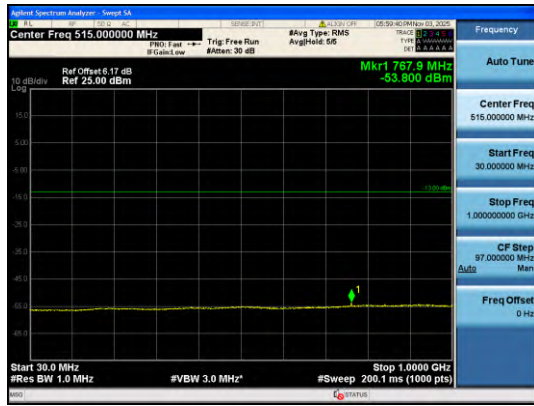
Band2-0.18-QPSK-18876-1000-20000-PASS



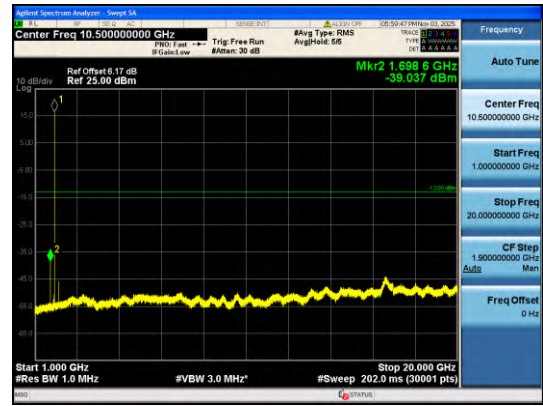
Band2-0.18-BPSK-18876-0.009-0.15-PASS



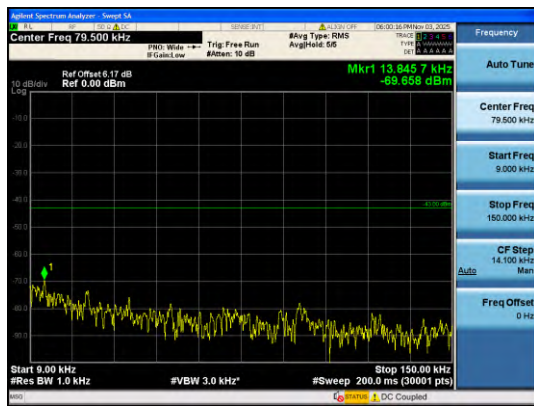
Band2-0.18-BPSK-18876-0.15-30-PASS



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



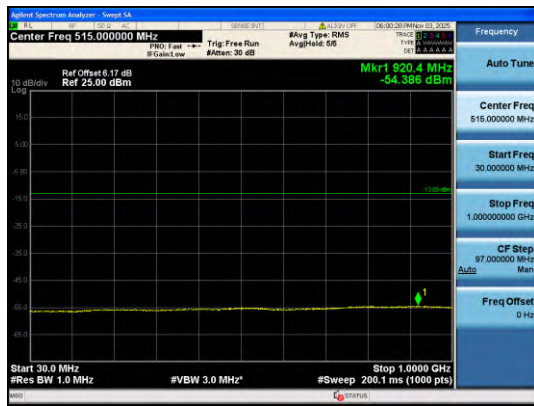
Band2-0.18-BPSK-18876-1000-20000-PASS



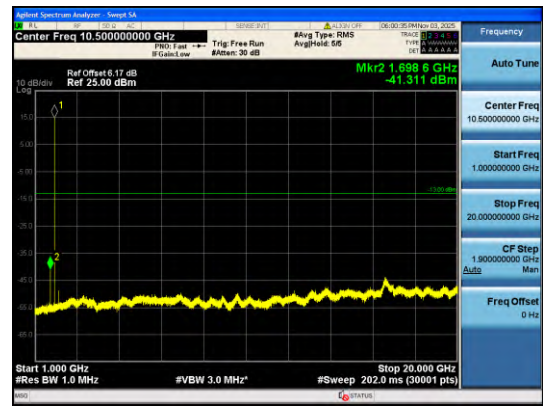
Band2-0.18-BPSK-18876-0.009-0.15-PASS



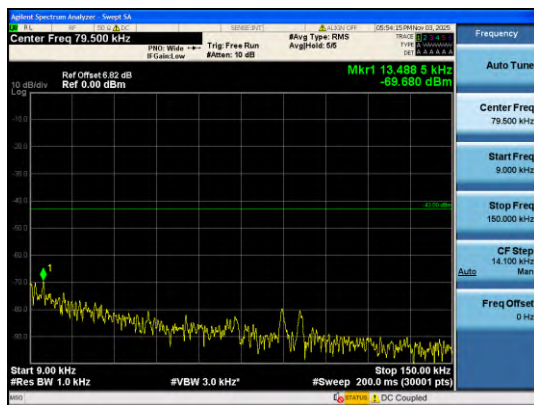
Band2-0.18-BPSK-18876-0.15-30-PASS



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



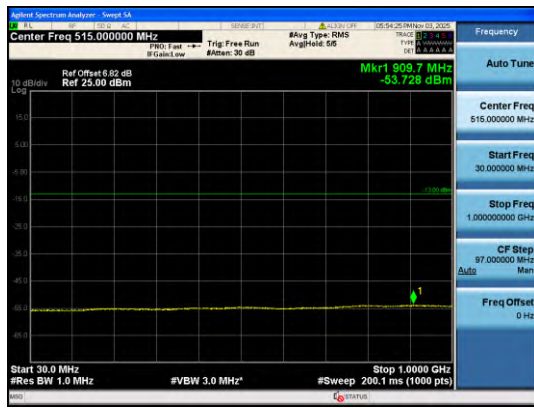
Band2-0.18-BPSK-18876-1000-20000-PASS



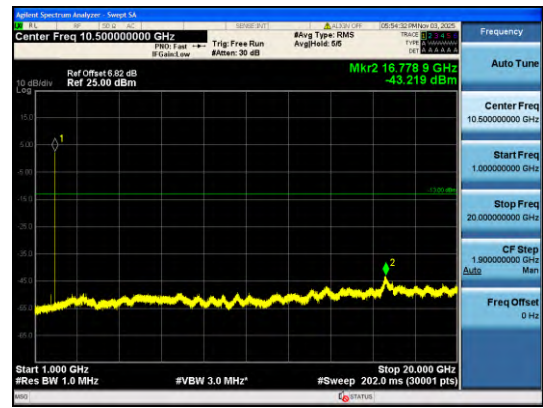
Band2-0.18-QPSK-19199-0.009-0.15-PASS



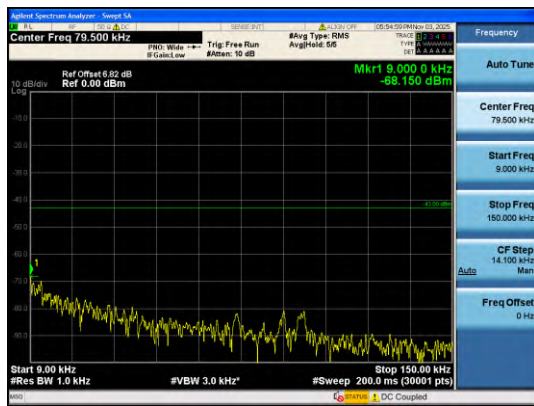
Band2-0.18-QPSK-19199-0.15-30-PASS



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



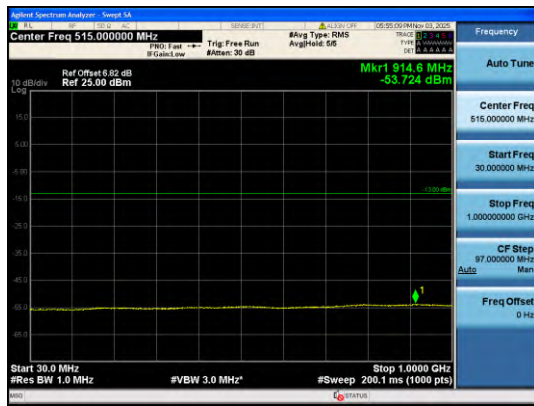
Band2-0.18-QPSK-19199-1000-20000-PASS



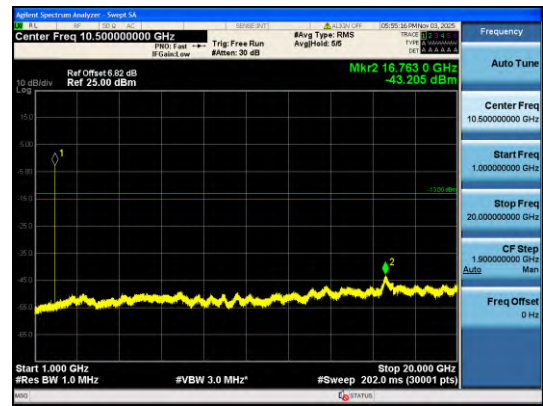
Band2-0.18-QPSK-19199-0.009-0.15-PASS



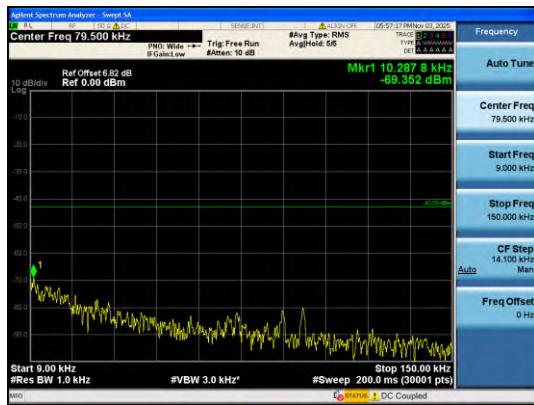
Band2-0.18-QPSK-19199-0.15-30-PASS



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



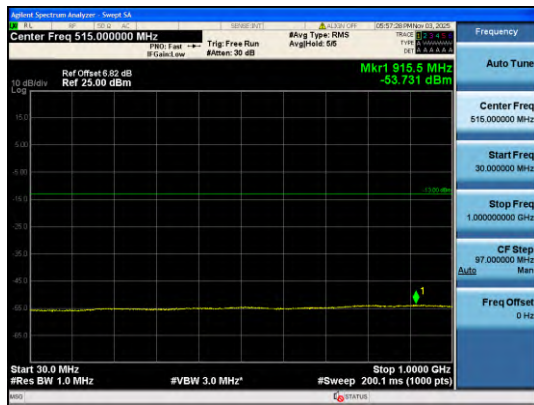
Band2-0.18-QPSK-19199-1000-20000-PASS



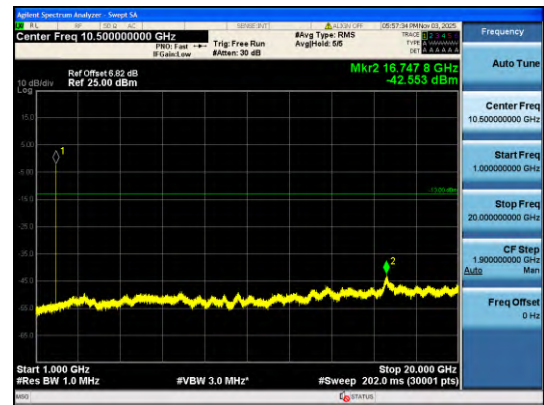
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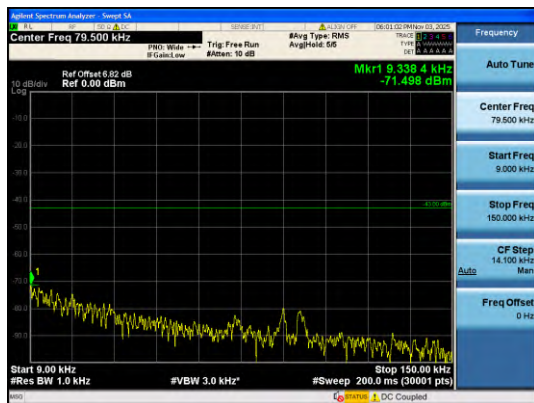
Band2-0.18-QPSK-19199-0.15-30-PASS



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



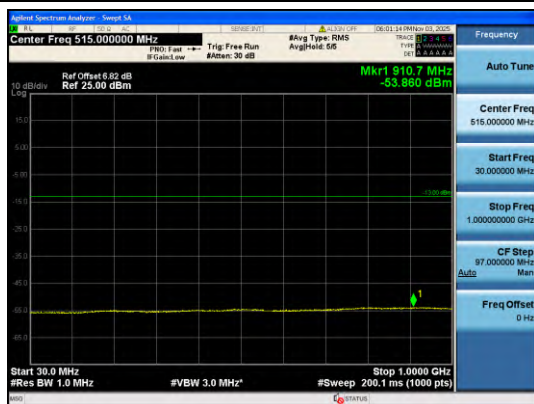
Band2-0.18-QPSK-19199-1000-20000-PASS



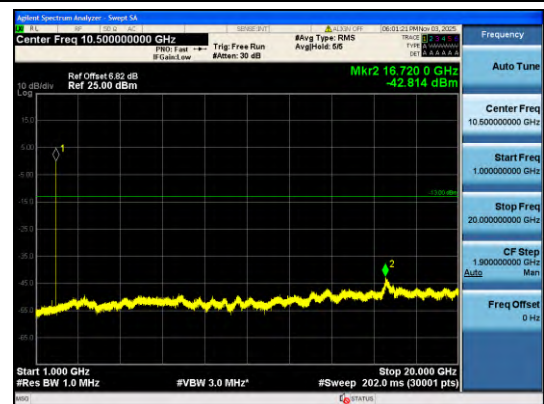
Band2-0.18-BPSK-19199-0.009-0.15-PASS



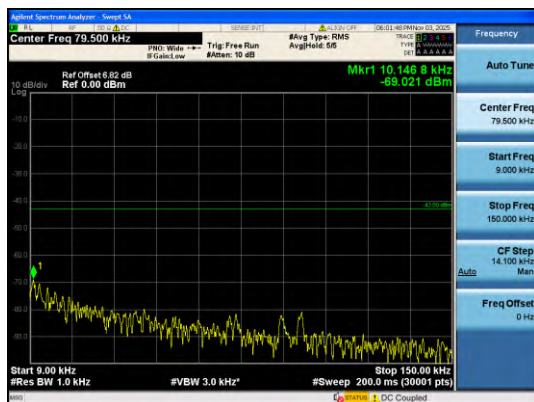
Band2-0.18-BPSK-19199-0.15-30-PASS



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



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



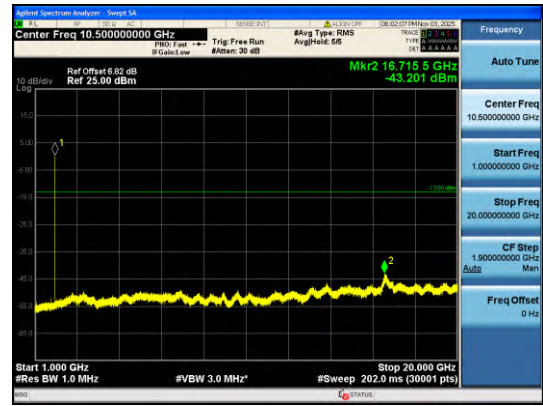
Band2-0.18-BPSK-19199-0.009-0.15-PASS



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 NB2

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	-32.29	-0.017197	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	VL	NT	-26.24	-0.013975	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	VH	NT	-23.85	-0.012702	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	VN	NT	-49.71	-0.026475	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	VL	NT	-34.92	-0.018598	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	VH	NT	-34.11	-0.018167	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	VN	NT	-43.30	-0.023061	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	VL	NT	-41.83	-0.022278	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	VH	NT	-38.10	-0.020292	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	VN	NT	-28.94	-0.015413	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	VL	NT	-26.94	-0.014348	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	VH	NT	-29.15	-0.015525	±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