

Appendix for Band 2

Product Name: Smart Light Controller

Model No: SLC-N-500-NB

Appendix A: Average Power Output Data

Test Result

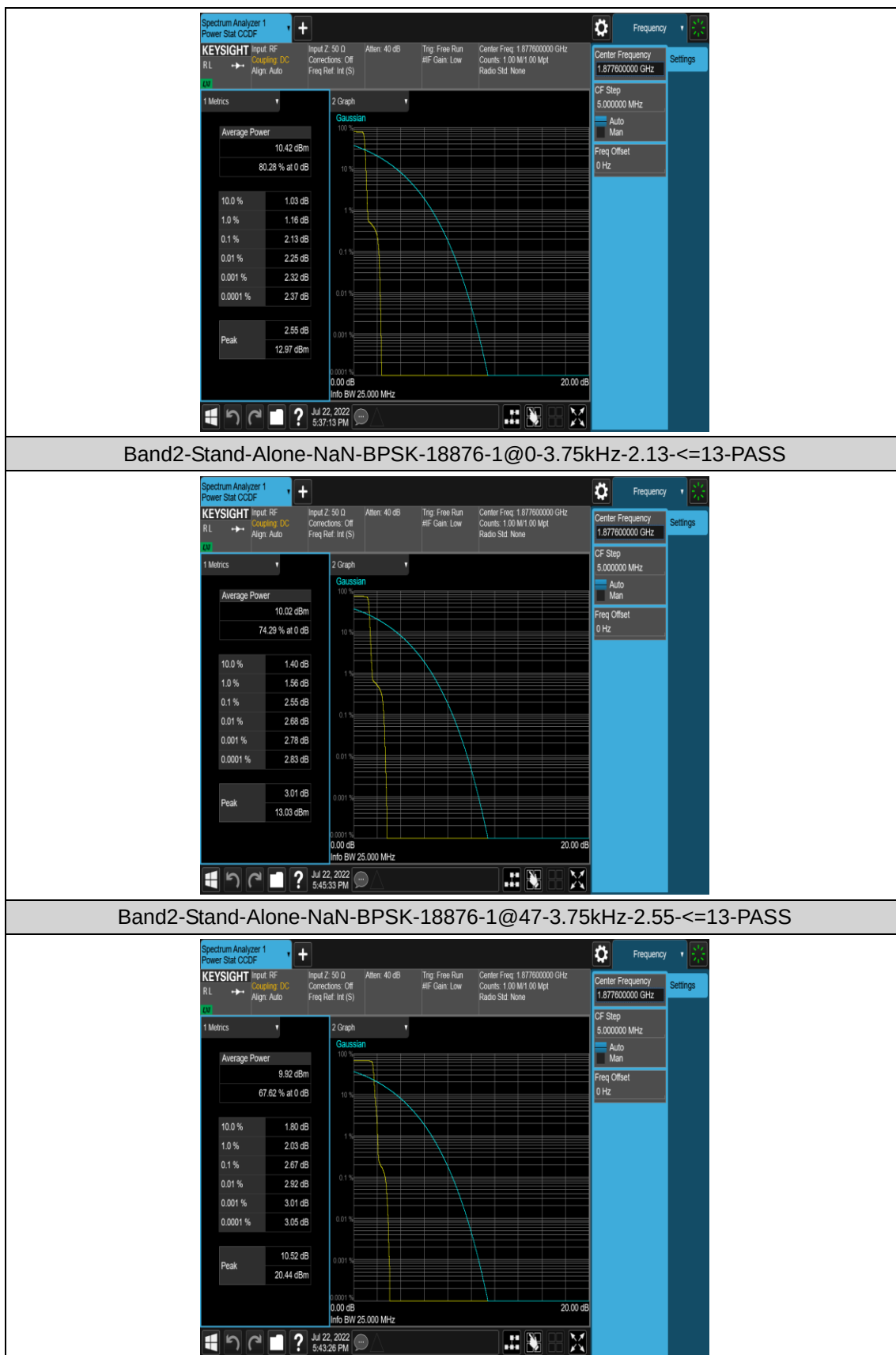
Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18601	1@0	20.59	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18601	1@47	20.49	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18876	1@0	20.38	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18876	1@47	20.35	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	19199	1@0	20.36	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	19199	1@47	20.34	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18601	1@0	20.64	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18601	1@47	20.53	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	20.51	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	20.42	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	19199	1@0	20.31	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	19199	1@47	20.43	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18601	1@0	20.60	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18601	1@11	20.47	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18601	3@3	20.45	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18876	1@0	20.52	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18876	1@11	20.36	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18876	3@3	20.57	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	19199	1@0	20.47	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	19199	1@11	20.50	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	19199	3@3	20.46	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18601	1@0	20.71	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18601	1@11	20.63	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18601	3@3	20.43	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	20.38	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	20.46	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	3@3	20.47	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	19199	1@0	20.49	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	19199	1@11	20.42	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	19199	3@3	20.48	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

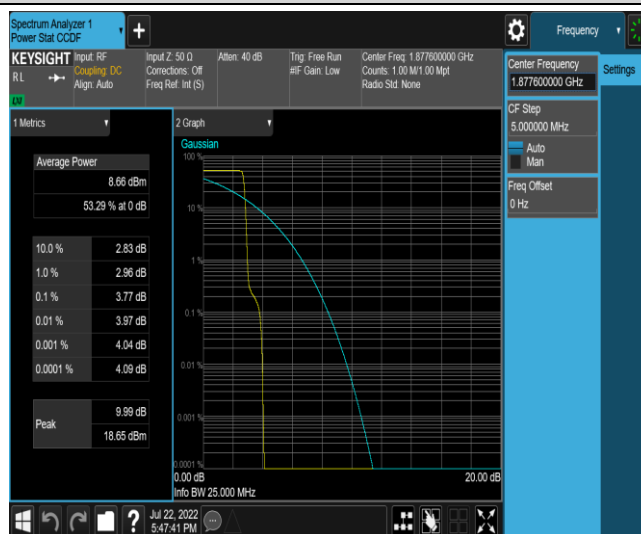
Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Limit (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18876	1@0	2.13	<=13	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18876	1@47	2.55	<=13	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@0	2.67	<=13	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18876	1@47	3.77	<=13	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18876	1@0	5.44	<=13	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18876	1@11	4.29	<=13	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18876	3@3	9.65	<=13	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@0	5.82	<=13	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	1@11	6.33	<=13	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18876	3@3	7.83	<=13	PASS

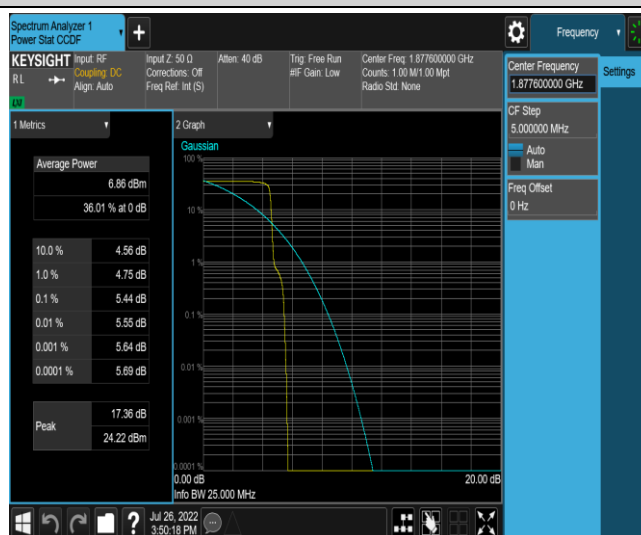
Test Graphs



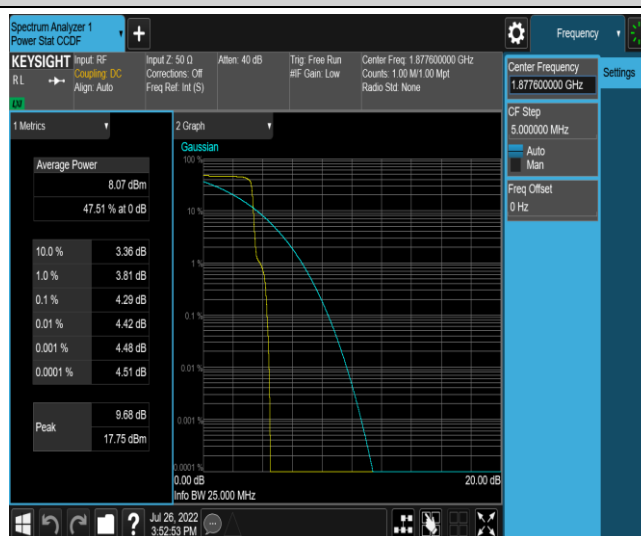
Band2-Stand-Alone-NaN-QPSK-18876-1@0-3.75kHz-2.67-<=13-PASS



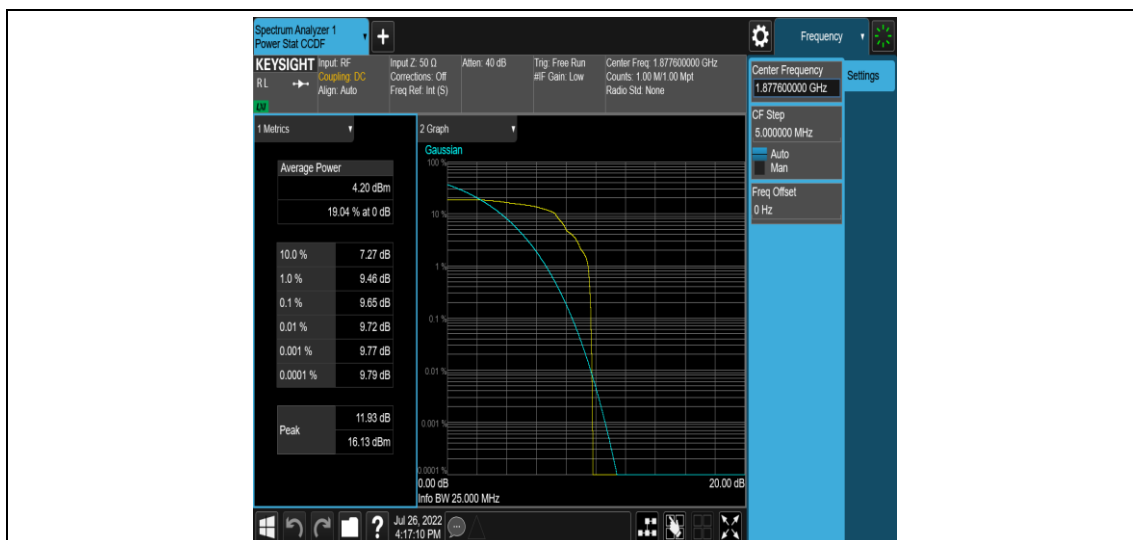
Band2-Stand-Alone-NaN-QPSK-18876-1@47-3.75kHz-3.77-<=13-PASS



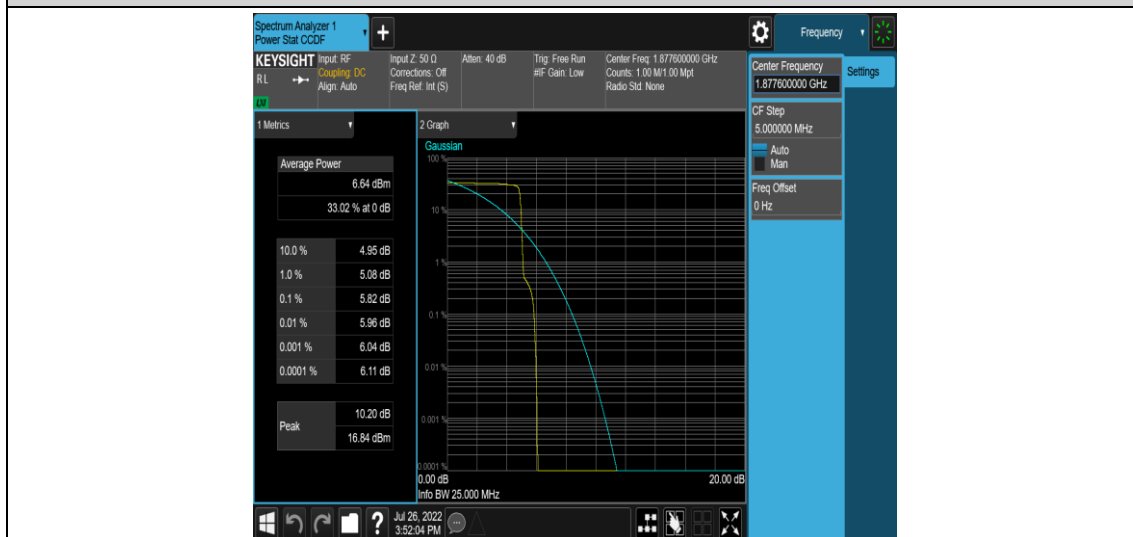
Band2-Stand-Alone-NaN-BPSK-18876-1@0-15kHz-5.44-<=13-PASS



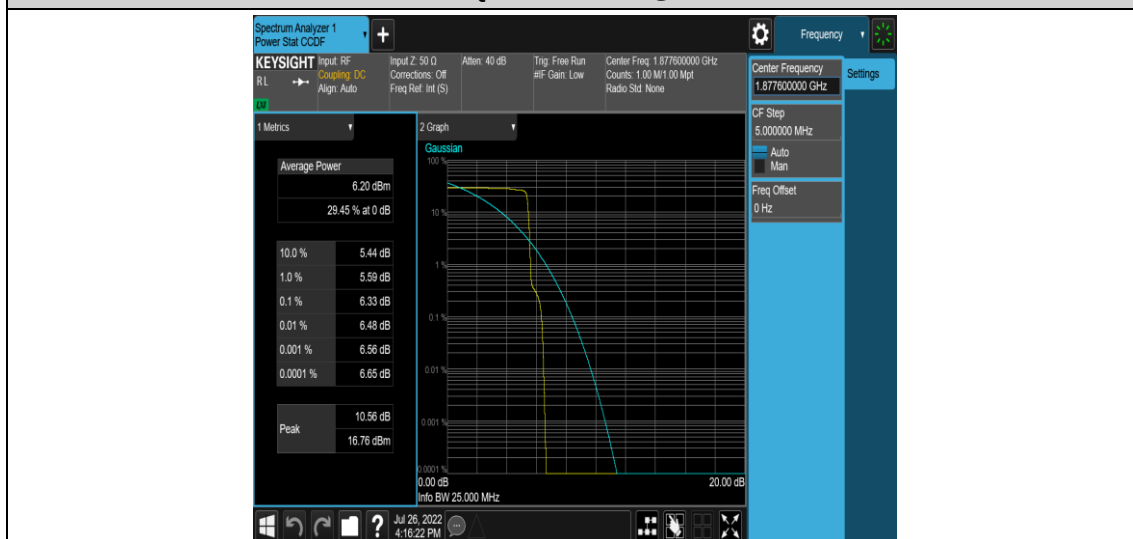
Band2-Stand-Alone-NaN-BPSK-18876-1@11-15kHz-4.29-<=13-PASS



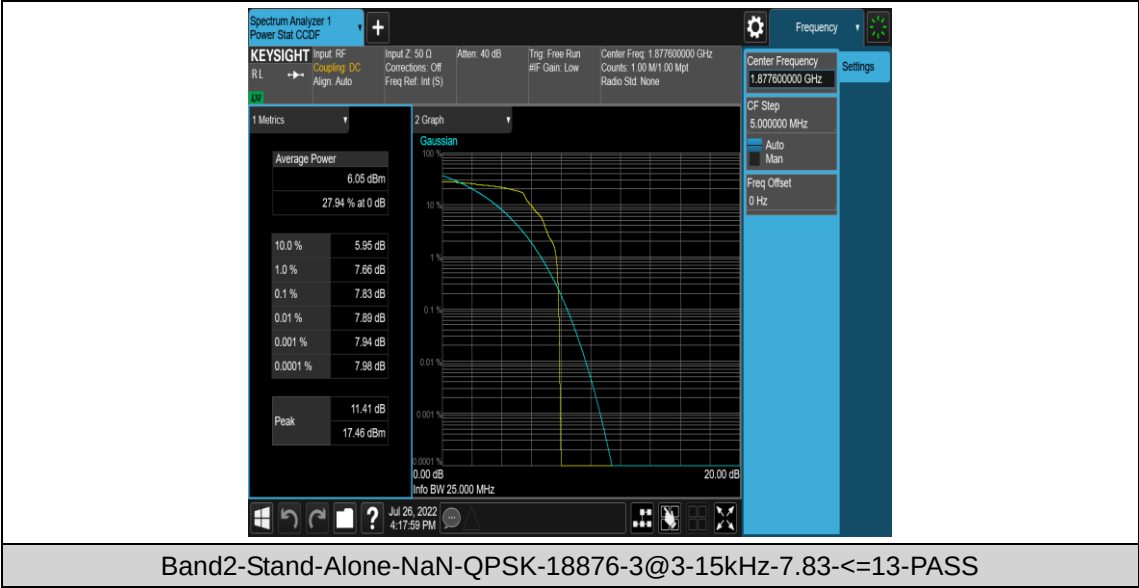
Band2-Stand-Alone-NaN-BPSK-18876-3@3-15kHz-9.65-<=13-PASS



Band2-Stand-Alone-NaN-QPSK-18876-1@0-15kHz-5.82-<=13-PASS



Band2-Stand-Alone-NaN-QPSK-18876-1@11-15kHz-6.33-<=13-PASS

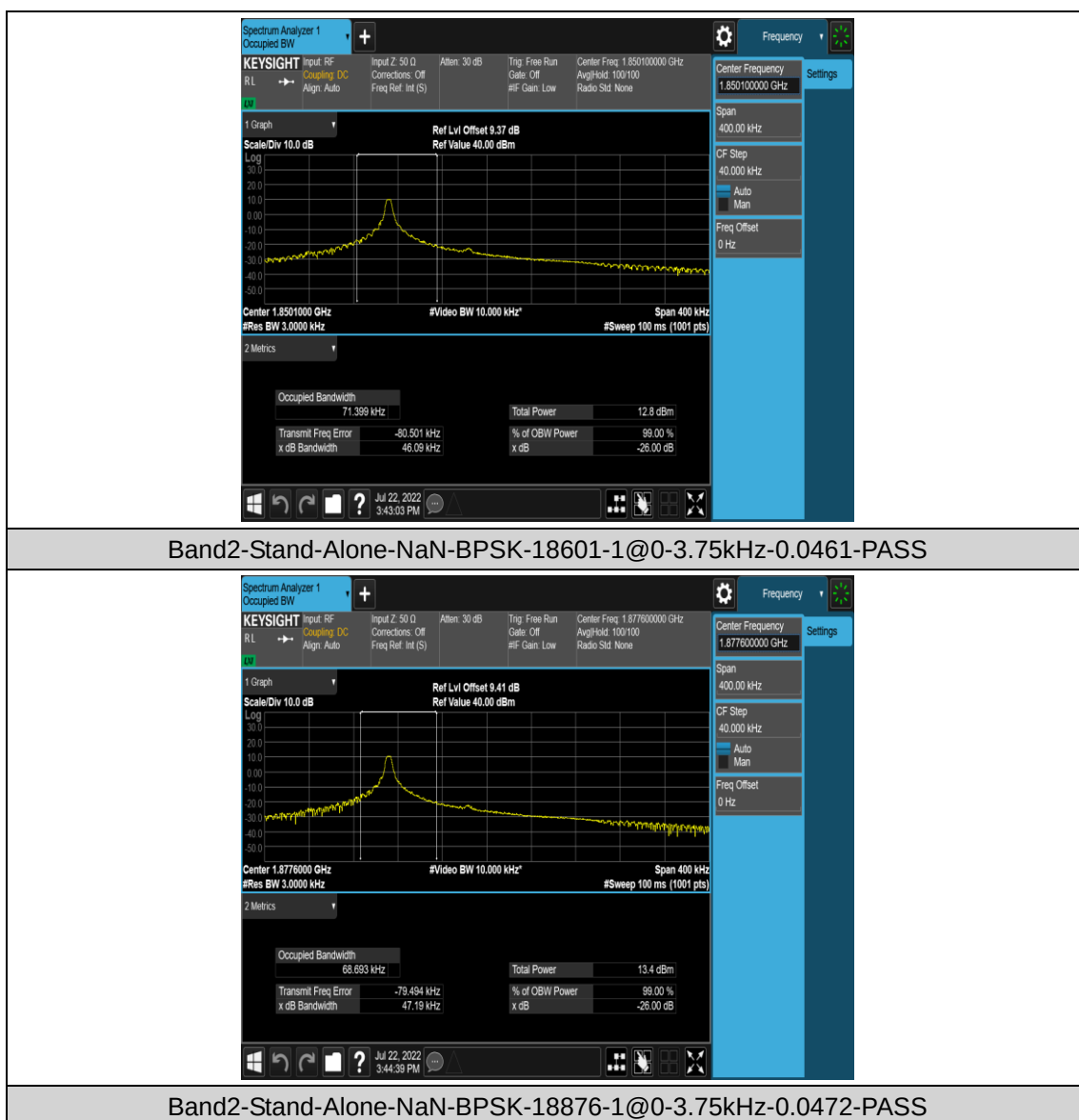


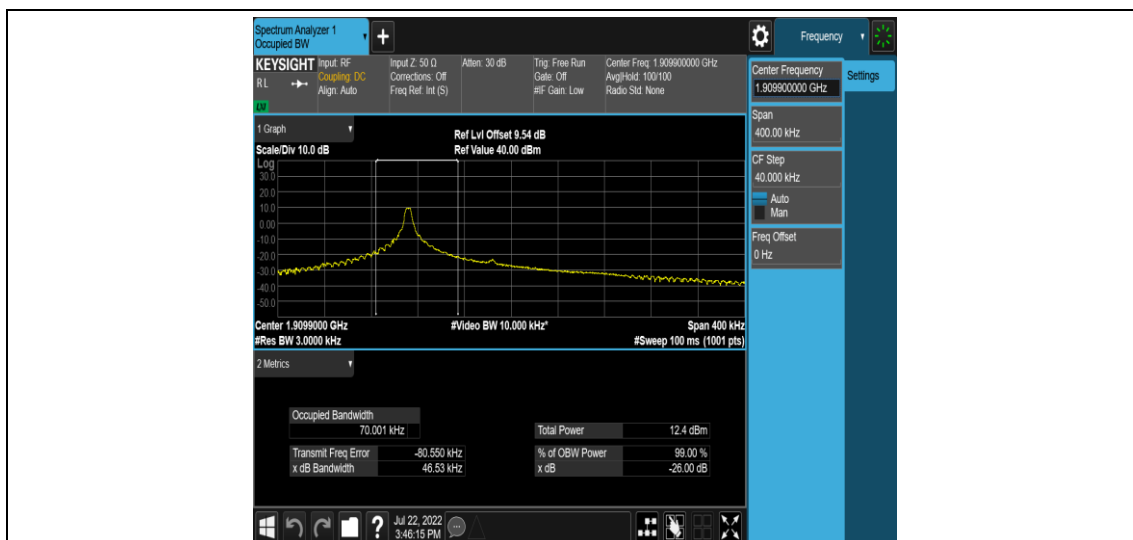
Appendix C: Emission Bandwidth

Test Result

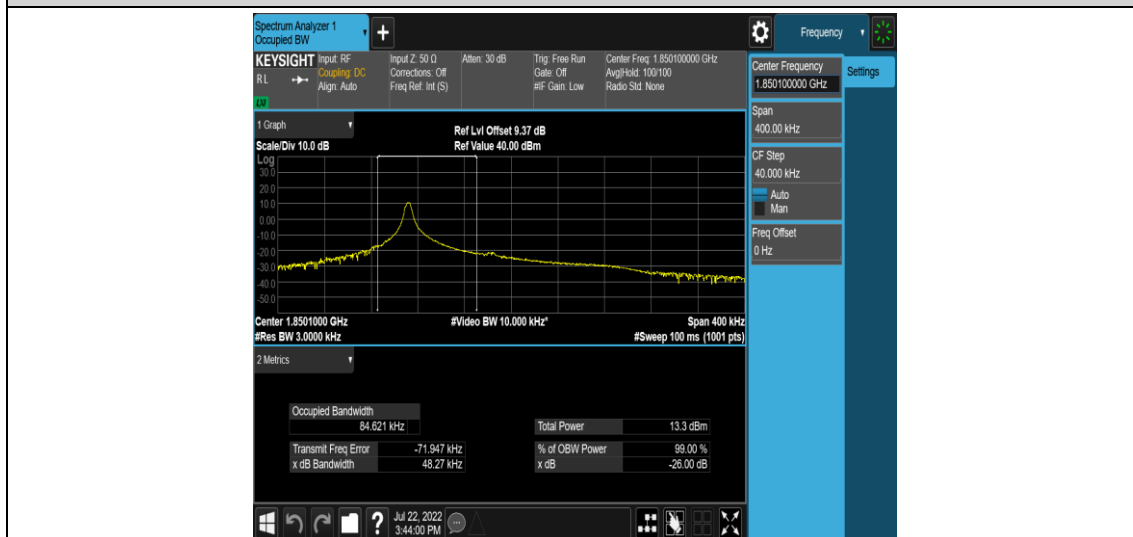
Band	SCS	BW	Modu	Channel	Tones	Result (MHz)	Verdict
Band2	3.75kHz	NaN	BPSK	18601	1@0	0.0461	PASS
Band2	3.75kHz	NaN	BPSK	18876	1@0	0.0472	PASS
Band2	3.75kHz	NaN	BPSK	19199	1@0	0.0465	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@0	0.0483	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@0	0.0498	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@0	0.0473	PASS
Band2	15kHz	NaN	BPSK	18601	1@0	0.1050	PASS
Band2	15kHz	NaN	BPSK	18601	12@0	0.2561	PASS
Band2	15kHz	NaN	BPSK	18876	1@0	0.1058	PASS
Band2	15kHz	NaN	BPSK	18876	12@0	0.2490	PASS
Band2	15kHz	NaN	BPSK	19199	1@0	0.1061	PASS
Band2	15kHz	NaN	BPSK	19199	12@0	0.2530	PASS
Band2	15kHz	NaN	QPSK	18601	1@0	0.1303	PASS
Band2	15kHz	NaN	QPSK	18601	12@0	0.2569	PASS
Band2	15kHz	NaN	QPSK	18876	1@0	0.1304	PASS
Band2	15kHz	NaN	QPSK	18876	12@0	0.2315	PASS
Band2	15kHz	NaN	QPSK	19199	1@0	0.1158	PASS
Band2	15kHz	NaN	QPSK	19199	12@0	0.2456	PASS

Test Graphs

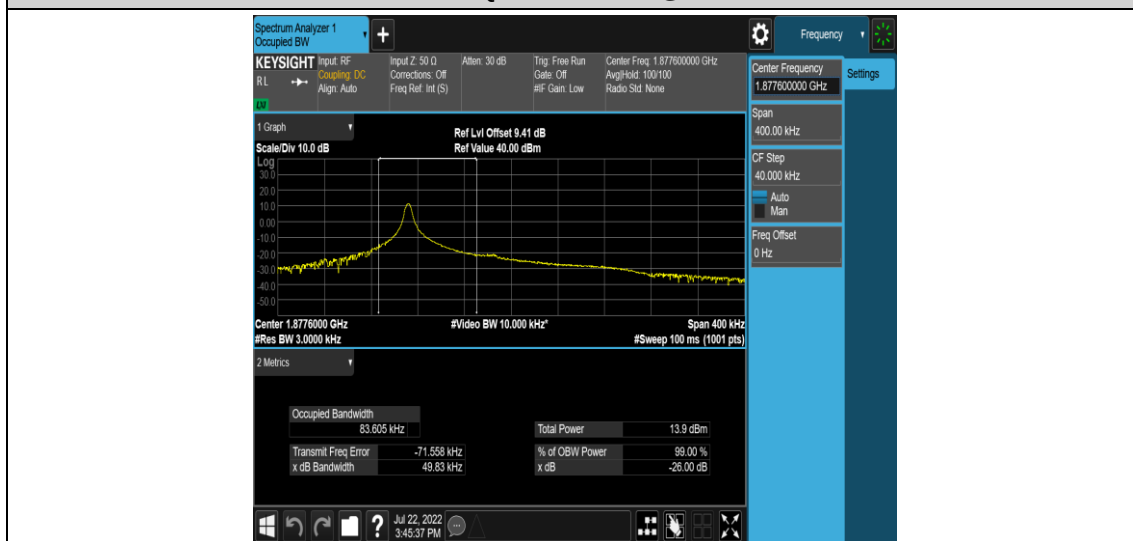




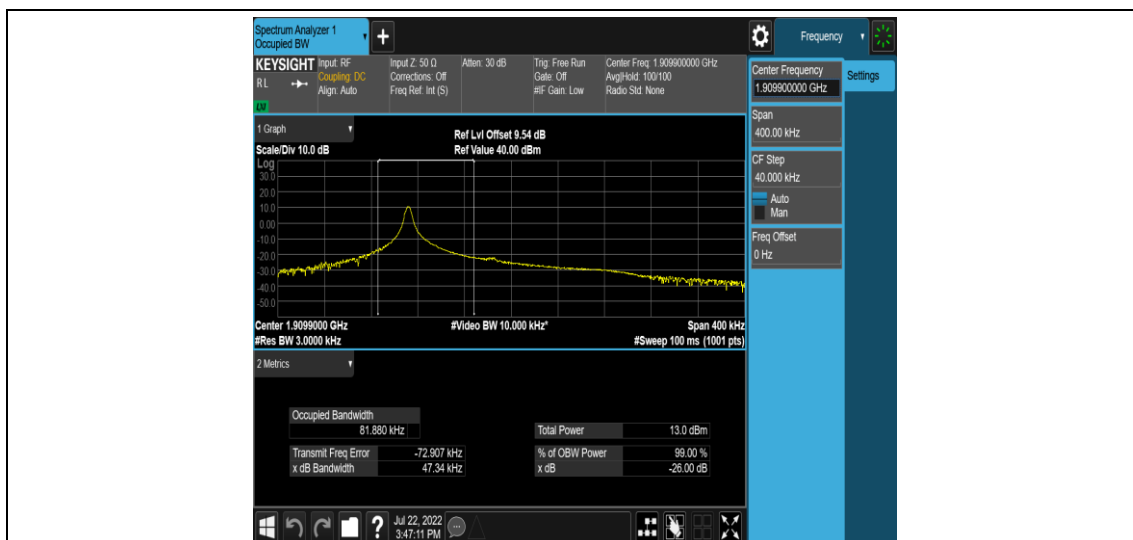
Band2-Stand-Alone-NaN-BPSK-19199-1@0-3.75kHz-0.0465-PASS



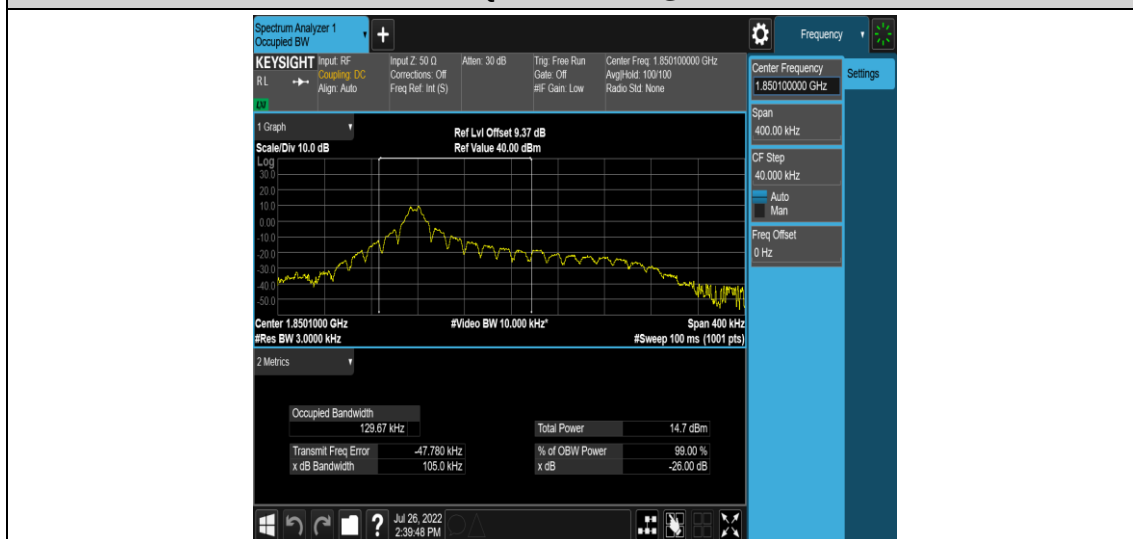
Band2-Stand-Alone-NaN-QPSK-18601-1@0-3.75kHz-0.0483-PASS



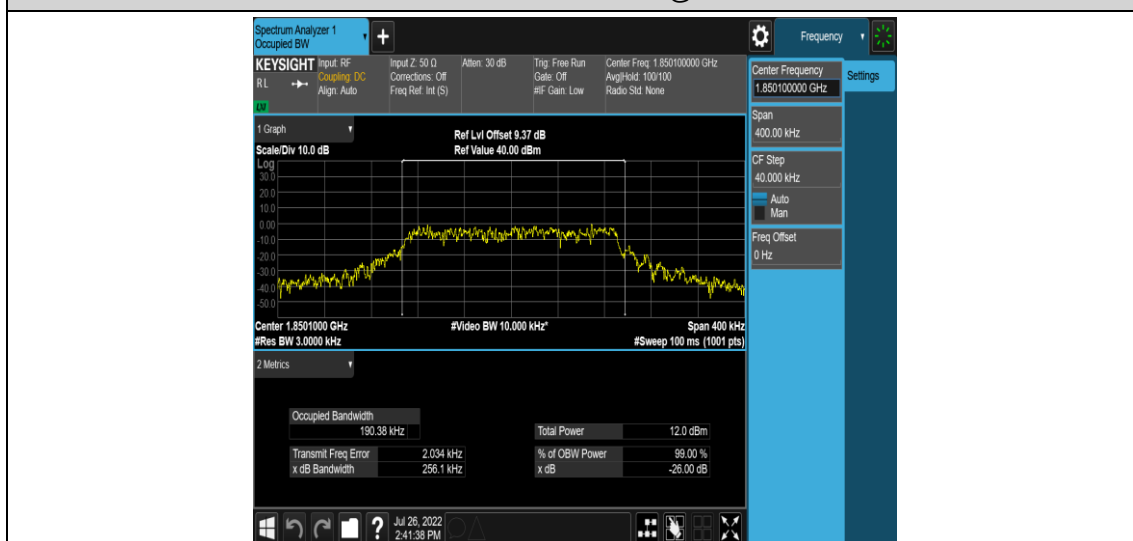
Band2-Stand-Alone-NaN-QPSK-18876-1@0-3.75kHz-0.0498-PASS



Band2-Stand-Alone-NaN-QPSK-19199-1@0-3.75kHz-0.0473-PASS



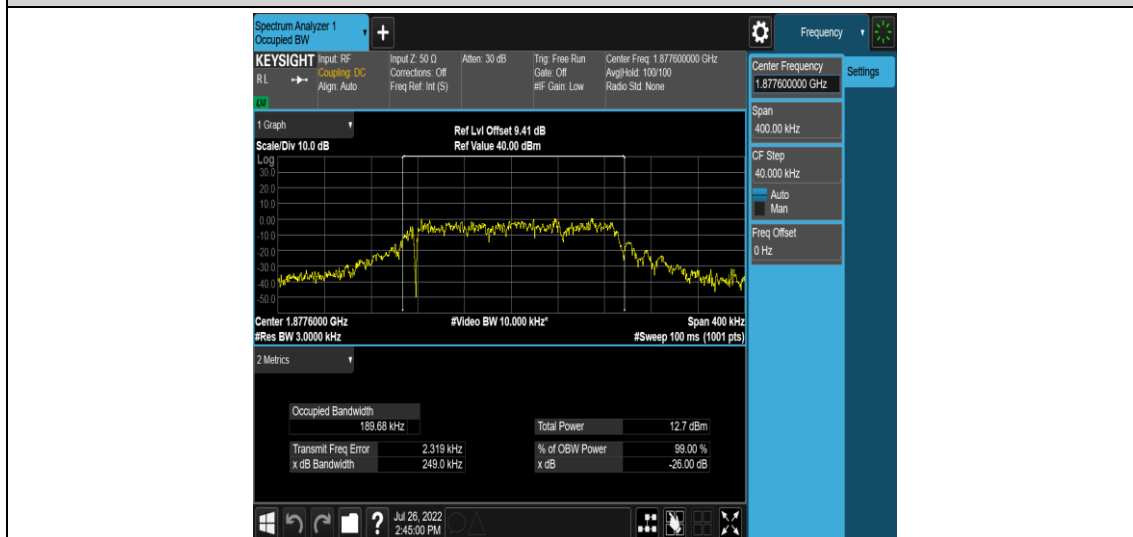
Band2-Stand-Alone-NaN-BPSK-18601-1@0-15kHz-0.1050-PASS



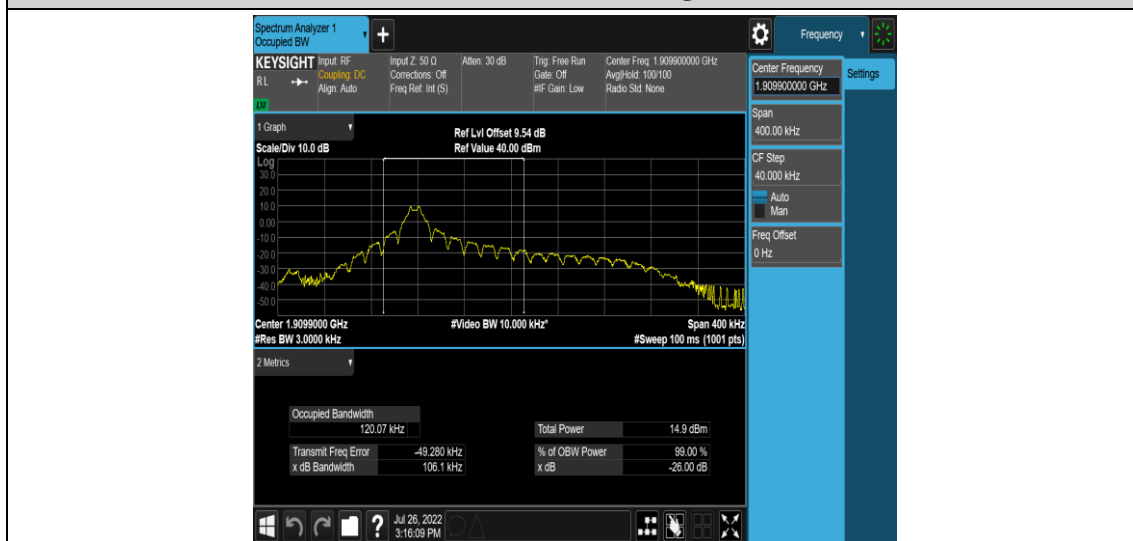
Band2-Stand-Alone-NaN-BPSK-18601-12@0-15kHz-0.2561-PASS



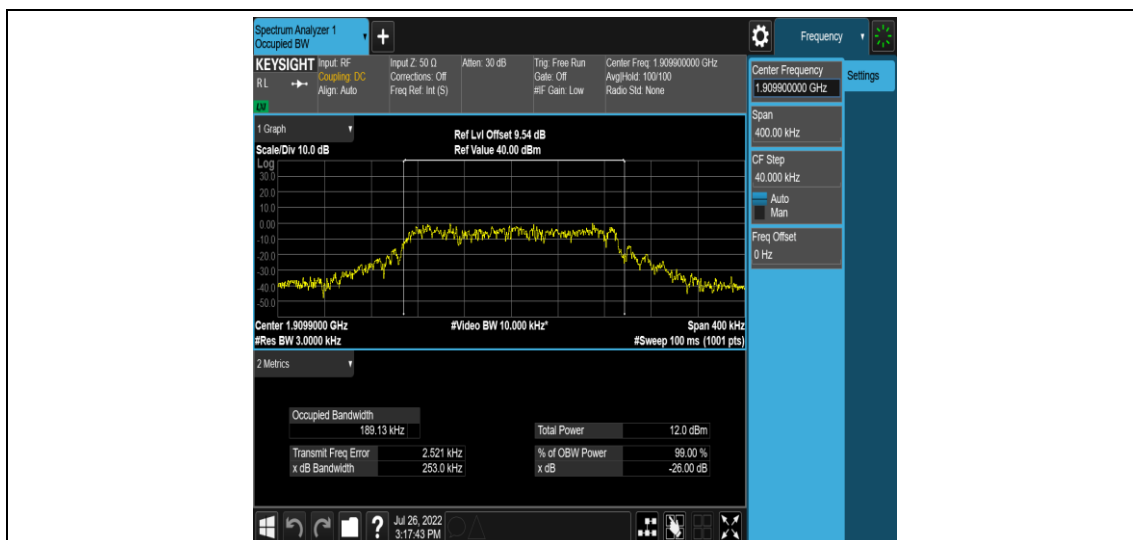
Band2-Stand-Alone-NaN-BPSK-18876-1@0-15kHz-0.1058-PASS



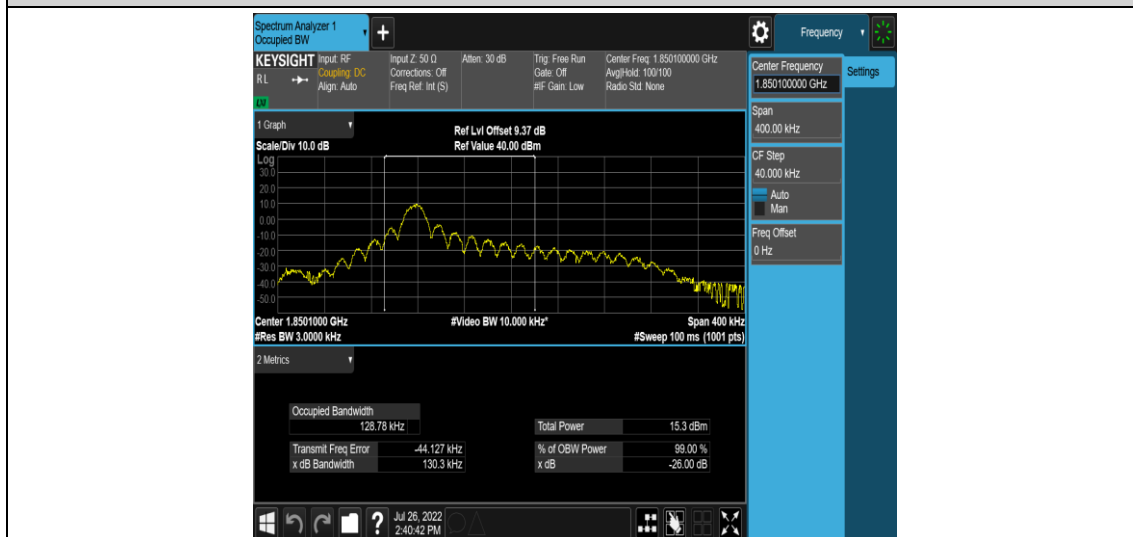
Band2-Stand-Alone-NaN-BPSK-18876-12@0-15kHz-0.2490-PASS



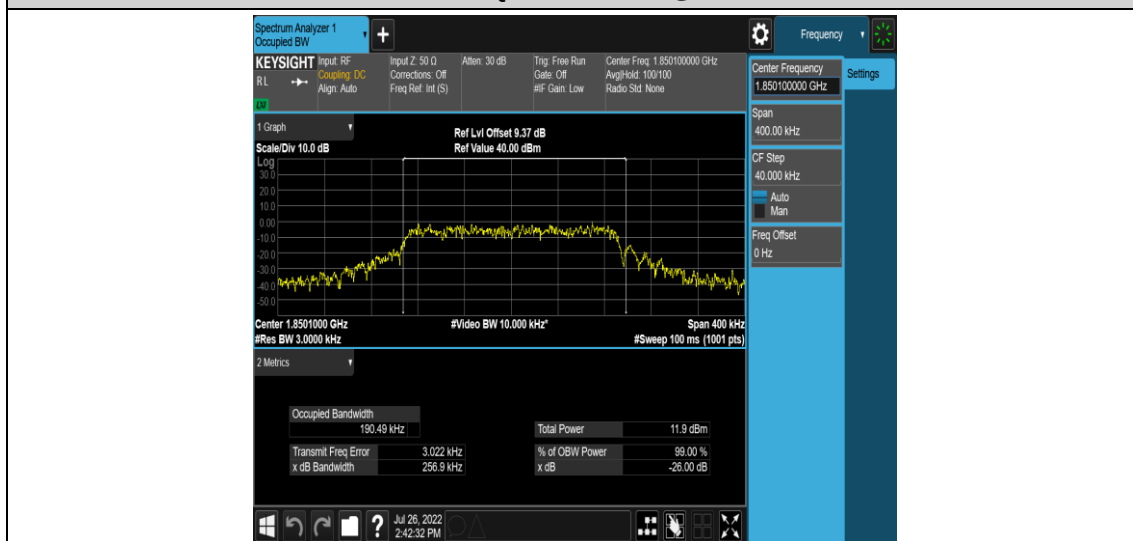
Band2-Stand-Alone-NaN-BPSK-19199-1@0-15kHz-0.1061-PASS



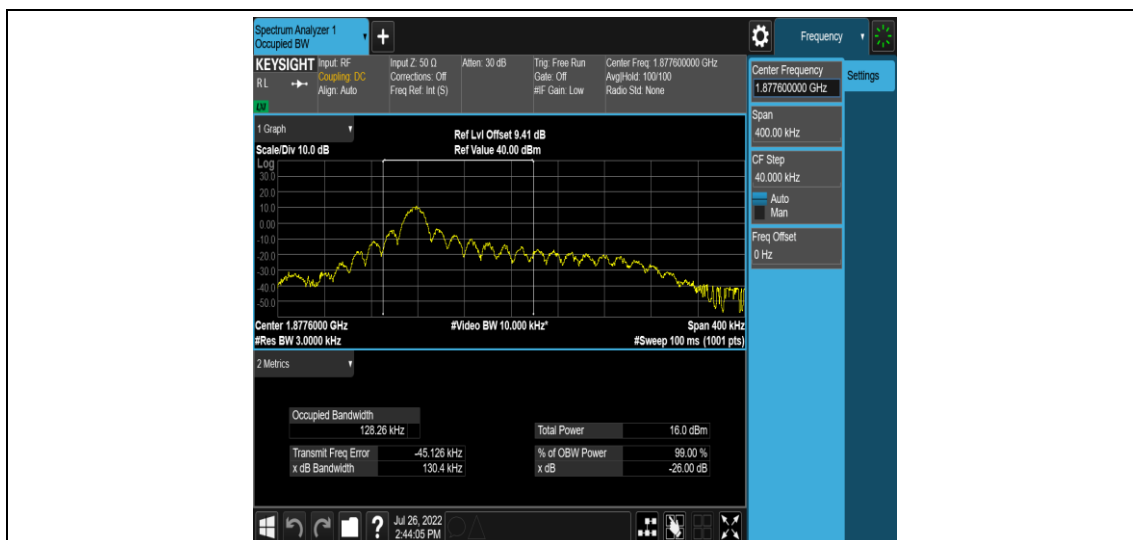
Band2-Stand-Alone-NaN-BPSK-19199-12@0-15kHz-0.2530-PASS



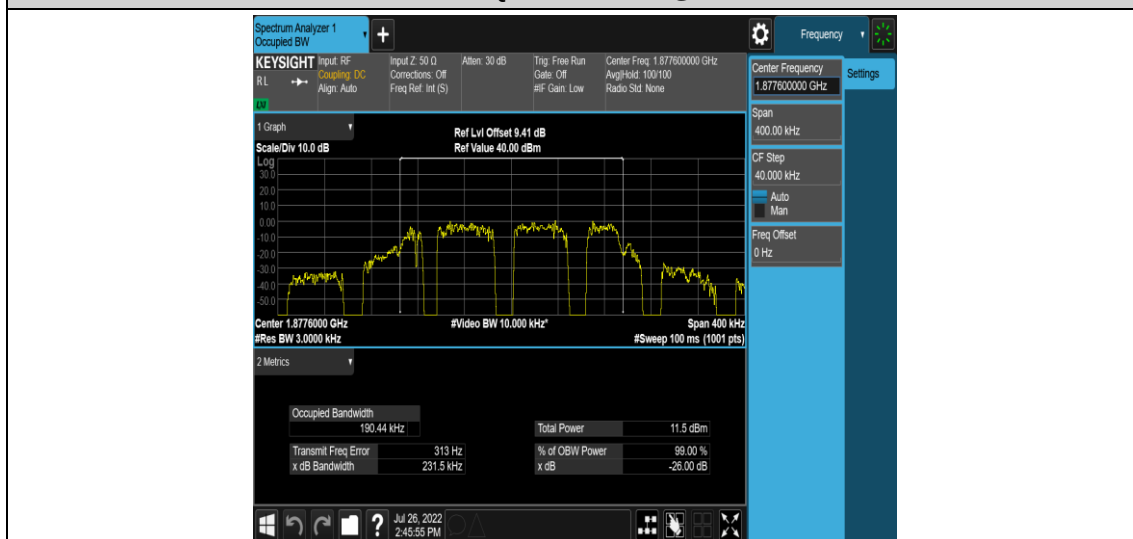
Band2-Stand-Alone-NaN-QPSK-18601-1@0-15kHz-0.1303-PASS



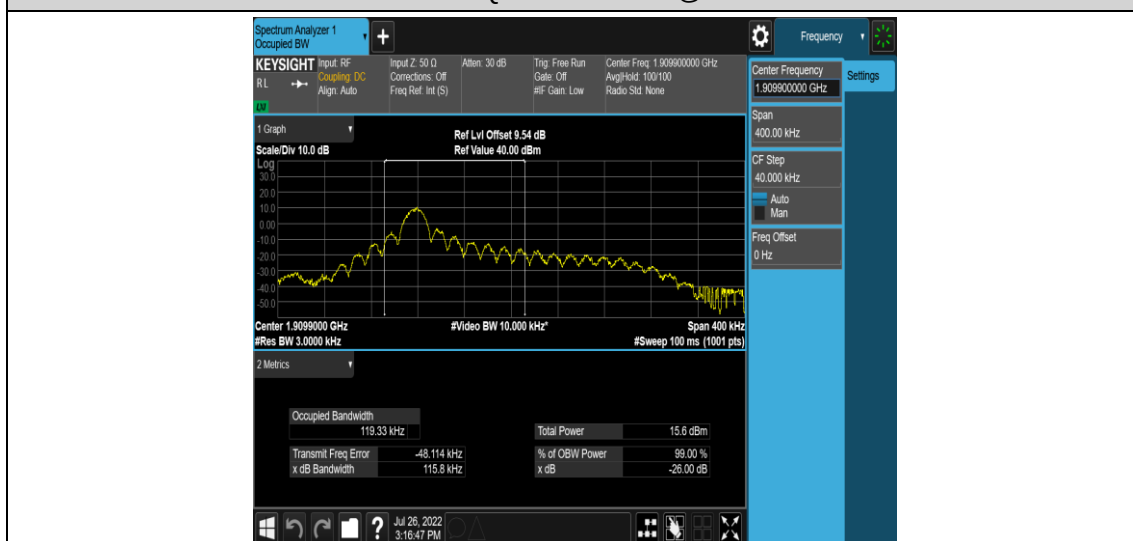
Band2-Stand-Alone-NaN-QPSK-18601-12@0-15kHz-0.2569-PASS



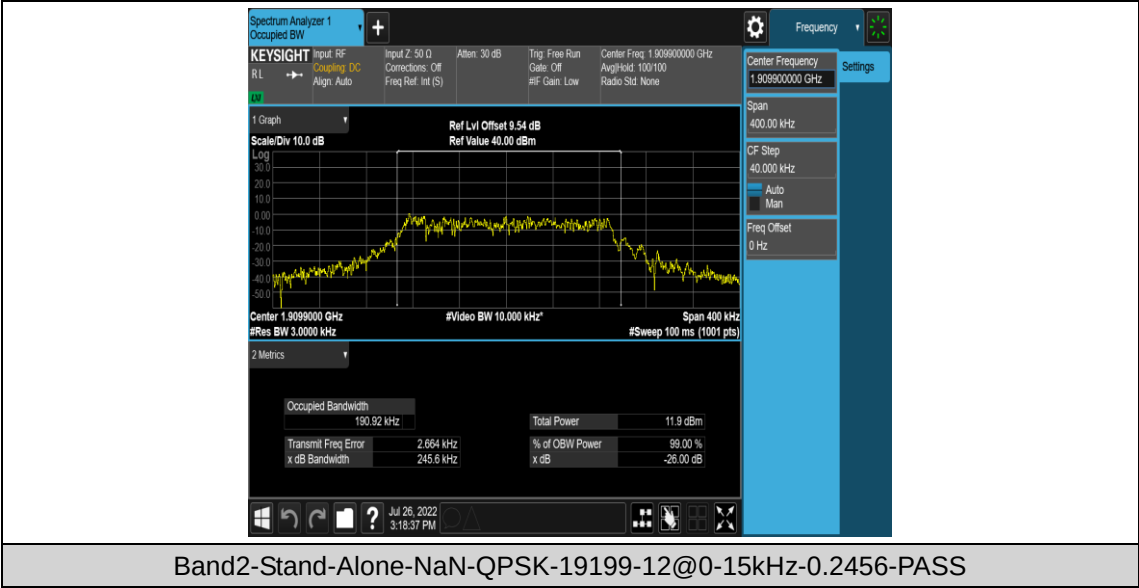
Band2-Stand-Alone-NaN-QPSK-18876-1@0-15kHz-0.1304-PASS



Band2-Stand-Alone-NaN-QPSK-18876-12@0-15kHz-0.2315-PASS



Band2-Stand-Alone-NaN-QPSK-19199-1@0-15kHz-0.1158-PASS



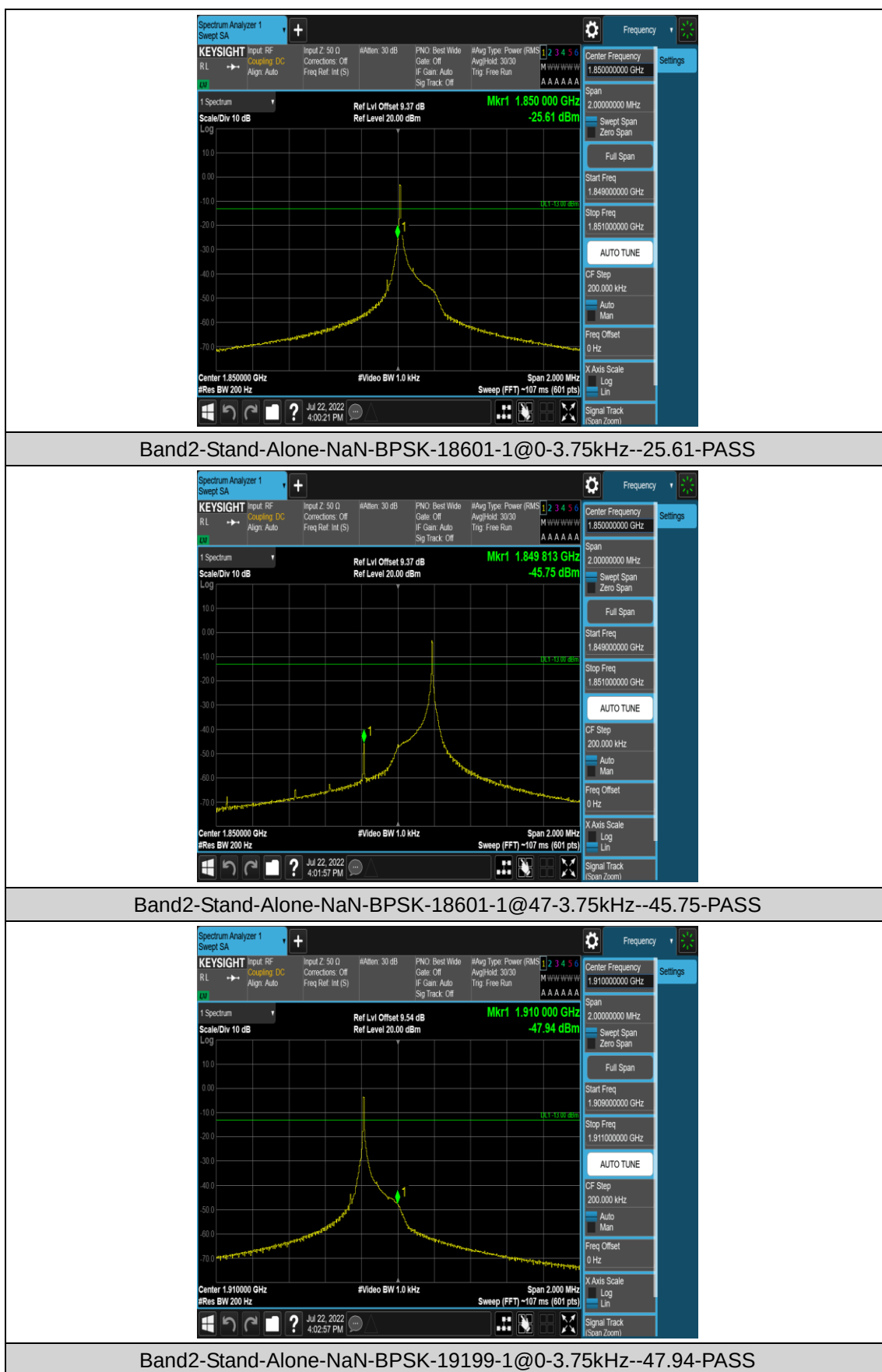
Band2-Stand-Alone-NaN-QPSK-19199-12@0-15kHz-0.2456-PASS

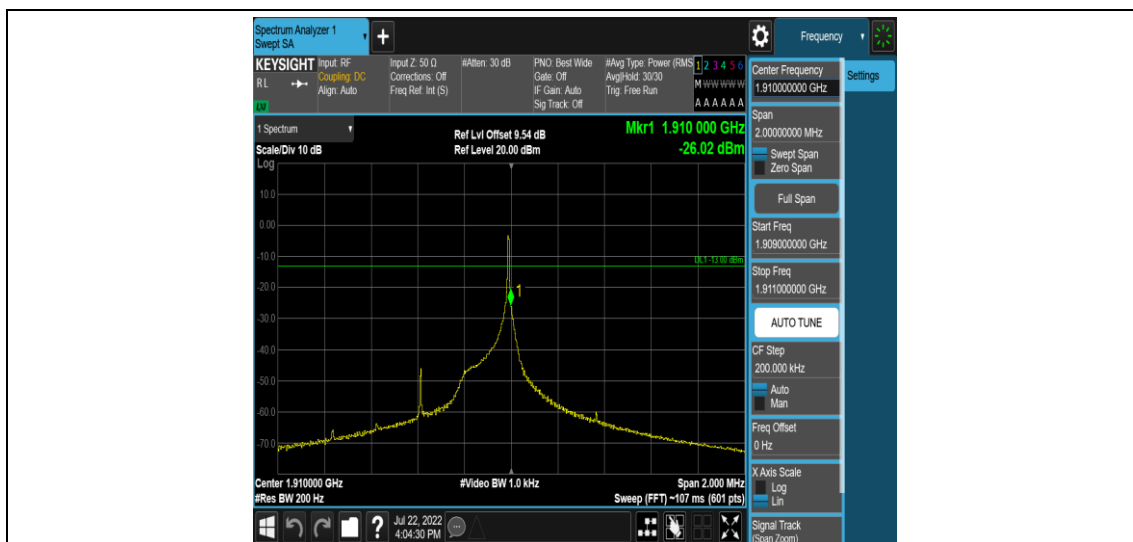
Appendix D: Band Edge

Test Result

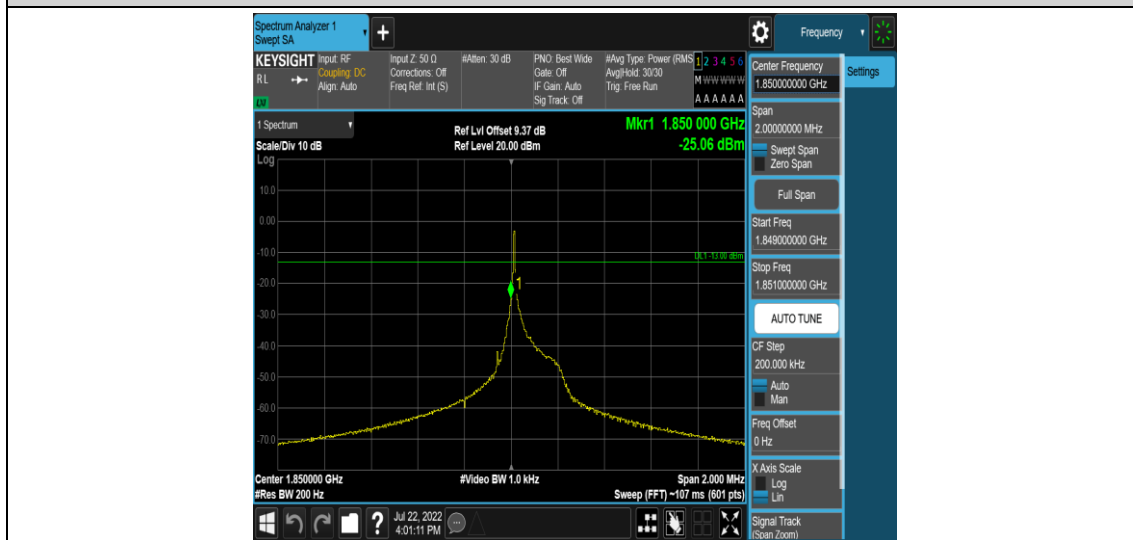
Band	SCS	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band2	3.75kHz	NaN	BPSK	18601	1@0	-25.61	PASS
Band2	3.75kHz	NaN	BPSK	18601	1@47	-45.75	PASS
Band2	3.75kHz	NaN	BPSK	19199	1@0	-47.94	PASS
Band2	3.75kHz	NaN	BPSK	19199	1@47	-26.02	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@0	-25.06	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@47	-45.74	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@0	-47.06	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@47	-25.00	PASS
Band2	15kHz	NaN	BPSK	18601	1@0	-21.28	PASS
Band2	15kHz	NaN	BPSK	18601	1@11	-40.49	PASS
Band2	15kHz	NaN	BPSK	18601	12@0	-40.00	PASS
Band2	15kHz	NaN	BPSK	19199	1@0	-40.23	PASS
Band2	15kHz	NaN	BPSK	19199	1@11	-21.11	PASS
Band2	15kHz	NaN	BPSK	19199	12@0	-34.18	PASS
Band2	15kHz	NaN	QPSK	18601	1@0	-21.58	PASS
Band2	15kHz	NaN	QPSK	18601	1@11	-40.02	PASS
Band2	15kHz	NaN	QPSK	18601	12@0	-36.35	PASS
Band2	15kHz	NaN	QPSK	19199	1@0	-40.81	PASS
Band2	15kHz	NaN	QPSK	19199	1@11	-21.02	PASS
Band2	15kHz	NaN	QPSK	19199	12@0	-35.87	PASS

Test Graphs

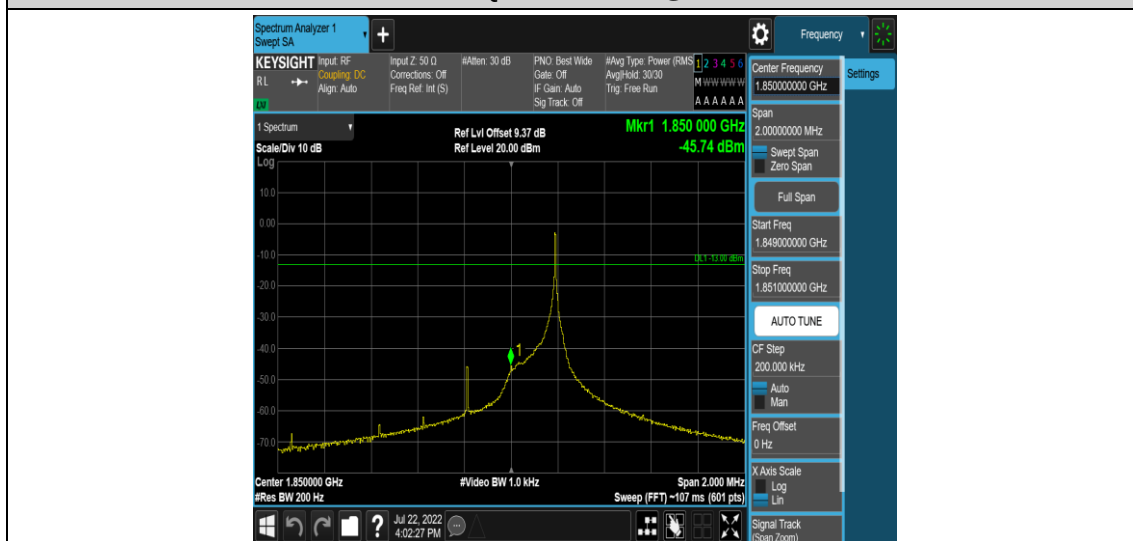




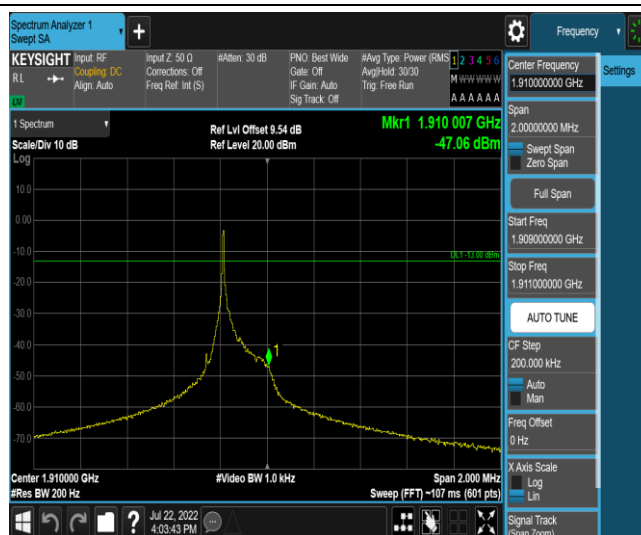
Band2-Stand-Alone-NaN-BPSK-19199-1@47-3.75kHz--26.02-PASS



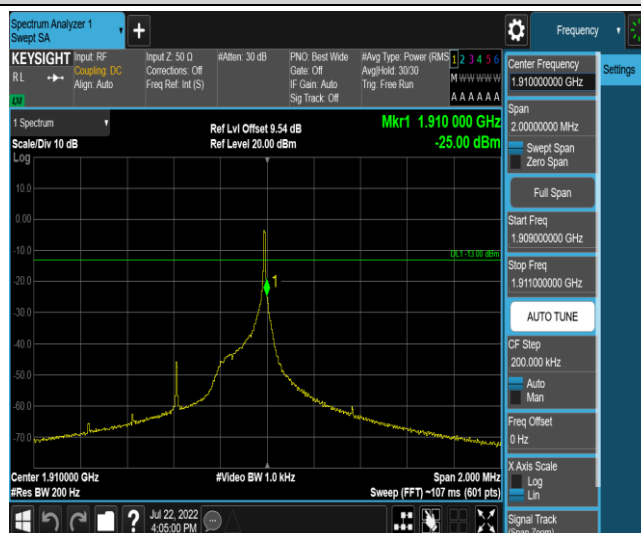
Band2-Stand-Alone-NaN-QPSK-18601-1@0-3.75kHz--25.06-PASS



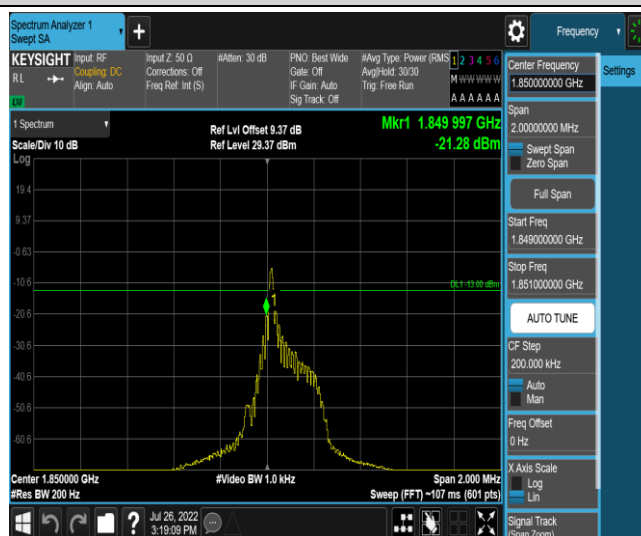
Band2-Stand-Alone-NaN-QPSK-18601-1@47-3.75kHz--45.74-PASS



Band2-Stand-Alone-NaN-QPSK-19199-1@0-3.75kHz--47.06-PASS



Band2-Stand-Alone-NaN-QPSK-19199-1@47-3.75kHz--25.00-PASS



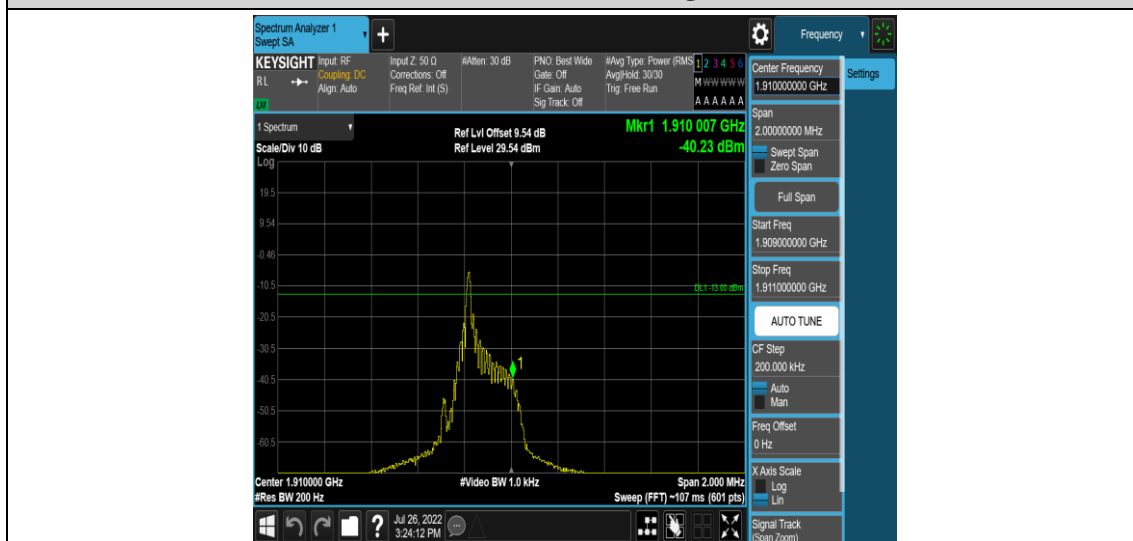
Band2-Stand-Alone-NaN-BPSK-18601-1@0-15kHz--21.28-PASS



Band2-Stand-Alone-NaN-BPSK-18601-1@11-15kHz--40.49-PASS



Band2-Stand-Alone-NaN-BPSK-18601-12@0-15kHz--40.00-PASS



Band2-Stand-Alone-NaN-BPSK-19199-1@0-15kHz--40.23-PASS



Band2-Stand-Alone-NaN-BPSK-19199-1@11-15kHz--21.11-PASS



Band2-Stand-Alone-NaN-BPSK-19199-12@0-15kHz--34.18-PASS



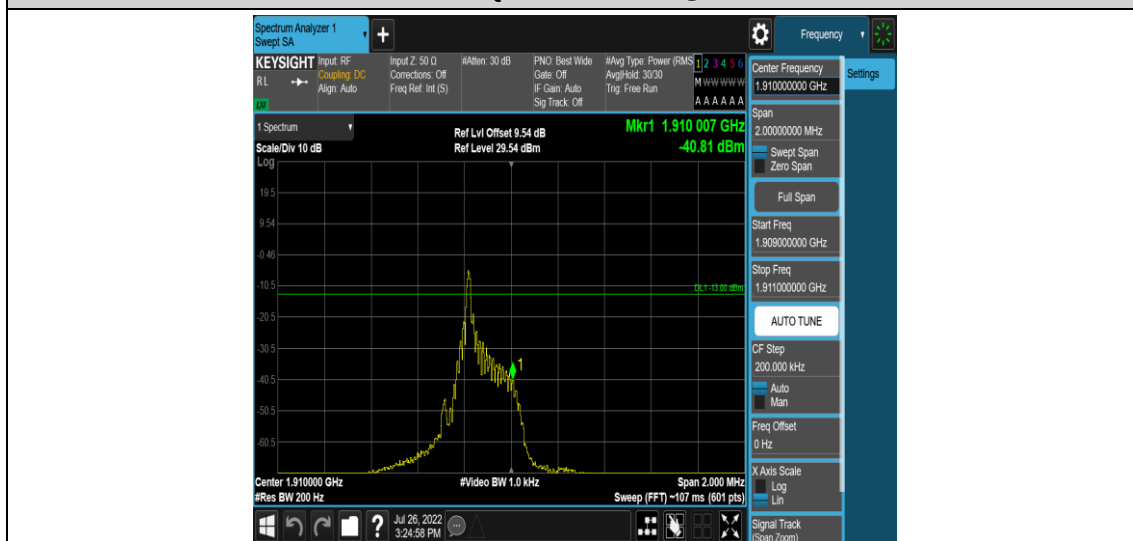
Band2-Stand-Alone-NaN-QPSK-18601-1@0-15kHz--21.58-PASS



Band2-Stand-Alone-NaN-QPSK-18601-1@11-15kHz--40.02-PASS



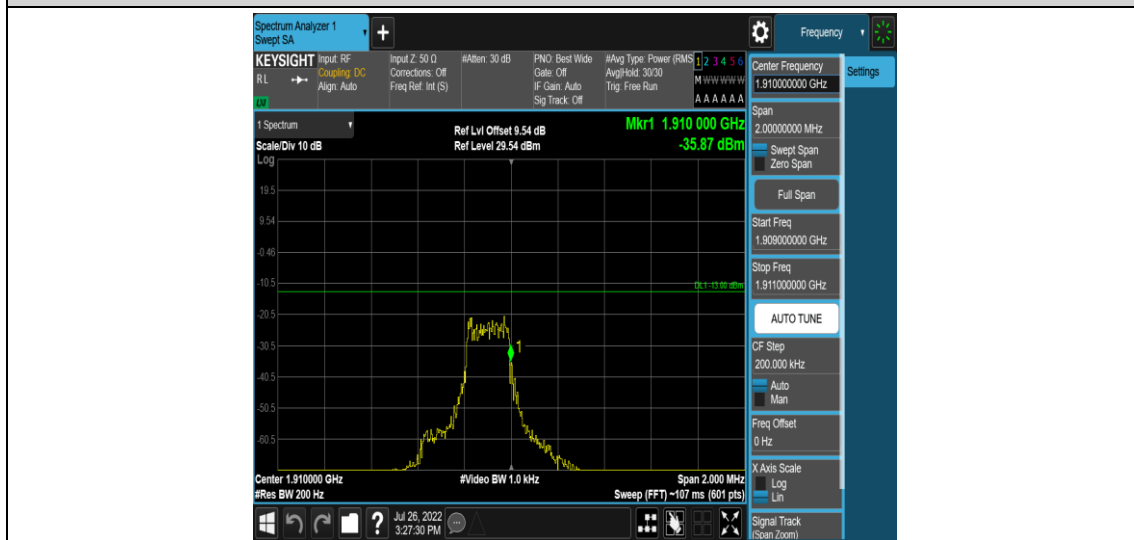
Band2-Stand-Alone-NaN-QPSK-18601-12@0-15kHz--36.35-PASS



Band2-Stand-Alone-NaN-QPSK-19199-1@0-15kHz--40.81-PASS



Band2-Stand-Alone-NaN-QPSK-19199-1@11-15kHz--21.02-PASS



Band2-Stand-Alone-NaN-QPSK-19199-12@0-15kHz--35.87-PASS

Appendix E: Conducted Spurious Emission for NB1

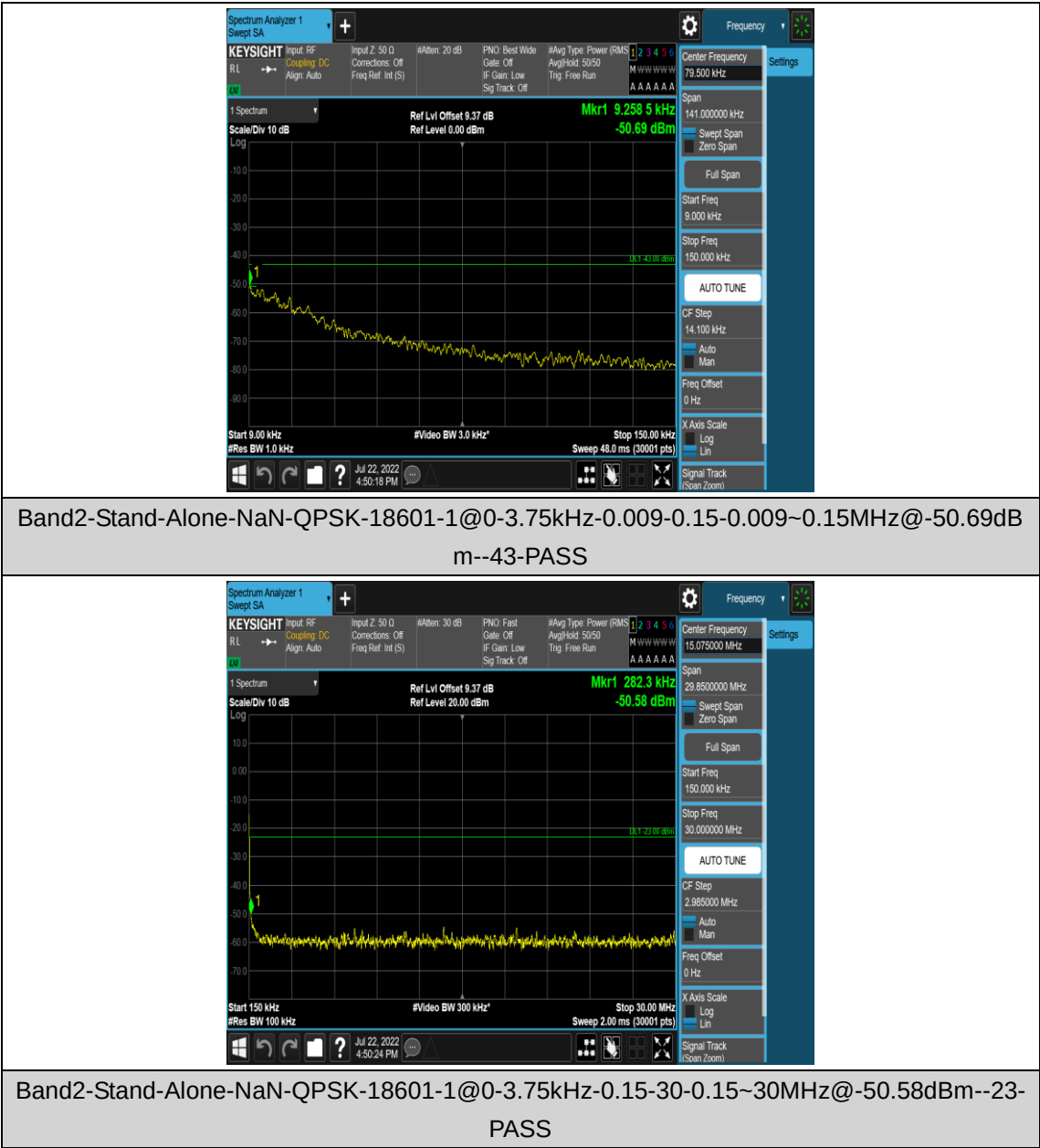
Test Result

Band	SCS	BW	Modu	Channel	Tones	Freq Start [MHz]	Freq Stop [MHz]	Limit (dBm)	Verdict
Band2	3.75kHz	NaN	QPSK	18601	1@0	0.009	0.15	-43	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@0	0.15	30	-23	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@0	30	1000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@0	1000	5000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@0	5000	12000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@0	12000	26500	-13	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@47	0.009	0.15	-43	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@47	0.15	30	-23	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@47	30	1000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@47	1000	5000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@47	5000	12000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18601	1@47	12000	26500	-13	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@0	0.009	0.15	-43	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@0	0.15	30	-23	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@0	30	1000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@0	1000	5000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@0	5000	12000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@0	12000	26500	-13	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@47	0.009	0.15	-43	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@47	0.15	30	-23	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@47	30	1000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@47	1000	5000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@47	5000	12000	-13	PASS
Band2	3.75kHz	NaN	QPSK	18876	1@47	12000	26500	-13	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@0	0.009	0.15	-43	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@0	0.15	30	-23	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@0	30	1000	-13	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@0	1000	5000	-13	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@0	5000	12000	-13	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@0	12000	26500	-13	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@47	0.009	0.15	-43	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@47	0.15	30	-23	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@47	30	1000	-13	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@47	1000	5000	-13	PASS
Band2	3.75kHz	NaN	QPSK	19199	1@47	5000	12000	-13	PASS

Band2	3.75kHz	NaN	QPSK	19199	1@47	12000	26500	-13	PASS
Band2	15kHz	NaN	BPSK	18601	1@0	0.009	0.15	-43	PASS
Band2	15kHz	NaN	BPSK	18601	1@0	0.15	30	-23	PASS
Band2	15kHz	NaN	BPSK	18601	1@0	30	1000	-13	PASS
Band2	15kHz	NaN	BPSK	18601	1@0	1000	5000	-13	PASS
Band2	15kHz	NaN	BPSK	18601	1@0	5000	12000	-13	PASS
Band2	15kHz	NaN	BPSK	18601	1@0	12000	26500	-13	PASS
Band2	15kHz	NaN	BPSK	18601	1@11	0.009	0.15	-43	PASS
Band2	15kHz	NaN	BPSK	18601	1@11	0.15	30	-23	PASS
Band2	15kHz	NaN	BPSK	18601	1@11	30	1000	-13	PASS
Band2	15kHz	NaN	BPSK	18601	1@11	1000	5000	-13	PASS
Band2	15kHz	NaN	BPSK	18601	1@11	5000	12000	-13	PASS
Band2	15kHz	NaN	BPSK	18601	1@11	12000	26500	-13	PASS
Band2	15kHz	NaN	BPSK	18876	1@0	0.009	0.15	-43	PASS
Band2	15kHz	NaN	BPSK	18876	1@0	0.15	30	-23	PASS
Band2	15kHz	NaN	BPSK	18876	1@0	30	1000	-13	PASS
Band2	15kHz	NaN	BPSK	18876	1@0	1000	5000	-13	PASS
Band2	15kHz	NaN	BPSK	18876	1@0	5000	12000	-13	PASS
Band2	15kHz	NaN	BPSK	18876	1@0	12000	26500	-13	PASS
Band2	15kHz	NaN	BPSK	18876	1@11	0.009	0.15	-43	PASS
Band2	15kHz	NaN	BPSK	18876	1@11	0.15	30	-23	PASS
Band2	15kHz	NaN	BPSK	18876	1@11	30	1000	-13	PASS
Band2	15kHz	NaN	BPSK	18876	1@11	1000	5000	-13	PASS
Band2	15kHz	NaN	BPSK	18876	1@11	5000	12000	-13	PASS
Band2	15kHz	NaN	BPSK	18876	1@11	12000	26500	-13	PASS
Band2	15kHz	NaN	BPSK	19199	1@0	0.009	0.15	-43	PASS
Band2	15kHz	NaN	BPSK	19199	1@0	0.15	30	-23	PASS
Band2	15kHz	NaN	BPSK	19199	1@0	30	1000	-13	PASS
Band2	15kHz	NaN	BPSK	19199	1@0	1000	5000	-13	PASS
Band2	15kHz	NaN	BPSK	19199	1@0	5000	12000	-13	PASS
Band2	15kHz	NaN	BPSK	19199	1@0	12000	26500	-13	PASS
Band2	15kHz	NaN	BPSK	19199	1@11	0.009	0.15	-43	PASS
Band2	15kHz	NaN	BPSK	19199	1@11	0.15	30	-23	PASS
Band2	15kHz	NaN	BPSK	19199	1@11	30	1000	-13	PASS
Band2	15kHz	NaN	BPSK	19199	1@11	1000	5000	-13	PASS
Band2	15kHz	NaN	BPSK	19199	1@11	5000	12000	-13	PASS
Band2	15kHz	NaN	BPSK	19199	1@11	12000	26500	-13	PASS
Band2	15kHz	NaN	QPSK	18601	12@0	0.009	0.15	-43	PASS
Band2	15kHz	NaN	QPSK	18601	12@0	0.15	30	-23	PASS
Band2	15kHz	NaN	QPSK	18601	12@0	30	1000	-13	PASS
Band2	15kHz	NaN	QPSK	18601	12@0	1000	5000	-13	PASS
Band2	15kHz	NaN	QPSK	18601	12@0	5000	12000	-13	PASS

Band2	15kHz	NaN	QPSK	18601	12@0	12000	26500	-13	PASS
Band2	15kHz	NaN	QPSK	18876	12@0	0.009	0.15	-43	PASS
Band2	15kHz	NaN	QPSK	18876	12@0	0.15	30	-23	PASS
Band2	15kHz	NaN	QPSK	18876	12@0	30	1000	-13	PASS
Band2	15kHz	NaN	QPSK	18876	12@0	1000	5000	-13	PASS
Band2	15kHz	NaN	QPSK	18876	12@0	5000	12000	-13	PASS
Band2	15kHz	NaN	QPSK	18876	12@0	12000	26500	-13	PASS
Band2	15kHz	NaN	QPSK	19199	12@0	0.009	0.15	-43	PASS
Band2	15kHz	NaN	QPSK	19199	12@0	0.15	30	-23	PASS
Band2	15kHz	NaN	QPSK	19199	12@0	30	1000	-13	PASS
Band2	15kHz	NaN	QPSK	19199	12@0	1000	5000	-13	PASS
Band2	15kHz	NaN	QPSK	19199	12@0	5000	12000	-13	PASS
Band2	15kHz	NaN	QPSK	19199	12@0	12000	26500	-13	PASS

Test Graphs





Band2-Stand-Alone-NaN-QPSK-18601-1@0-3.75kHz-30-1000-30~1000MHz@-33.31dBm--1
3-PASS



Band2-Stand-Alone-NaN-QPSK-18601-1@0-3.75kHz-1000-5000-1000~5000MHz@-35.79dB
m--13-PASS

