

Appendix for Band 5

Product Name: Smart Solar Light Controller

Model No: SCC-120-NBG

Appendix A: Average Power Output Data for NB1

Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band5	Stand-Al one	3.75k Hz	NaN	BPSK	20401	1@0	21.14	PASS
Band5	Stand-Al one	3.75k Hz	NaN	BPSK	20401	1@47	21.09	PASS
Band5	Stand-Al one	3.75k Hz	NaN	BPSK	20525	1@0	21.08	PASS
Band5	Stand-Al one	3.75k Hz	NaN	BPSK	20525	1@47	21.07	PASS
Band5	Stand-Al one	3.75k Hz	NaN	BPSK	20649	1@0	20.79	PASS
Band5	Stand-Al one	3.75k Hz	NaN	BPSK	20649	1@47	20.72	PASS
Band5	Stand-Al one	3.75k Hz	NaN	QPSK	20401	1@0	21.11	PASS
Band5	Stand-Al one	3.75k Hz	NaN	QPSK	20401	1@47	21.13	PASS
Band5	Stand-Al one	3.75k Hz	NaN	QPSK	20525	1@0	20.98	PASS
Band5	Stand-Al one	3.75k Hz	NaN	QPSK	20525	1@47	20.82	PASS
Band5	Stand-Al one	3.75k Hz	NaN	QPSK	20649	1@0	20.86	PASS
Band5	Stand-Al one	3.75k Hz	NaN	QPSK	20649	1@47	20.75	PASS
Band5	Stand-Al one	15kH z	NaN	BPSK	20401	1@0	21.20	PASS
Band5	Stand-Al one	15kH z	NaN	BPSK	20401	1@11	21.13	PASS
Band5	Stand-Al one	15kH z	NaN	BPSK	20525	1@0	21.16	PASS
Band5	Stand-Al one	15kH z	NaN	BPSK	20525	1@11	21.11	PASS
Band5	Stand-Al one	15kH z	NaN	BPSK	20649	1@0	20.91	PASS
Band5	Stand-Al	15kH	NaN	BPSK	20649	1@11	19.53	PASS

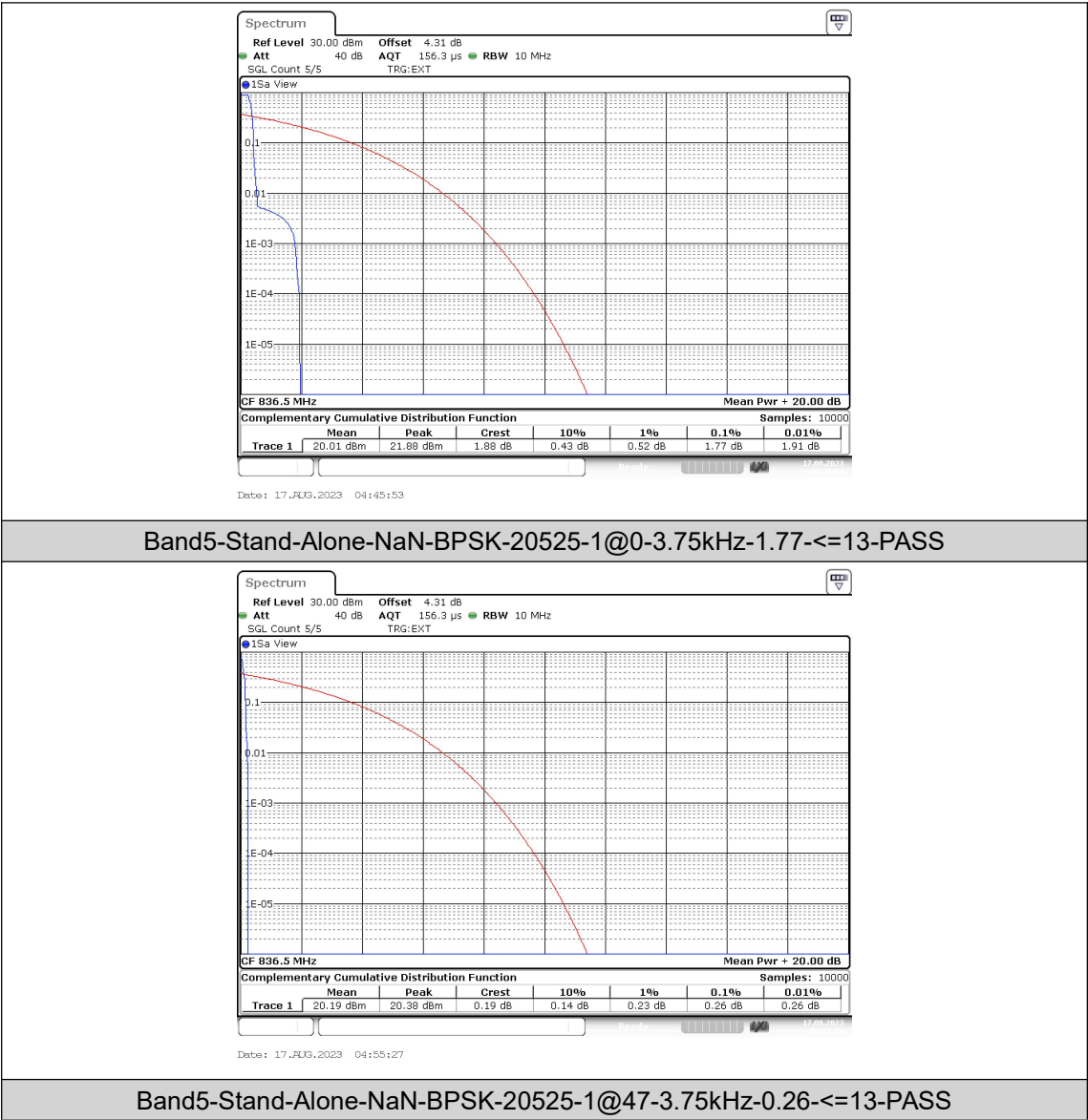
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Band5	Stand-Al one	15kH z	NaN	QPSK	20401	1@0	18.89	PASS
Band5	Stand-Al one	15kH z	NaN	QPSK	20401	1@11	18.83	PASS
Band5	Stand-Al one	15kH z	NaN	QPSK	20401	3@3	20.99	PASS
Band5	Stand-Al one	15kH z	NaN	QPSK	20525	1@0	19.80	PASS
Band5	Stand-Al one	15kH z	NaN	QPSK	20525	1@11	20.56	PASS
Band5	Stand-Al one	15kH z	NaN	QPSK	20525	3@3	20.81	PASS
Band5	Stand-Al one	15kH z	NaN	QPSK	20649	1@0	20.83	PASS
Band5	Stand-Al one	15kH z	NaN	QPSK	20649	1@11	20.58	PASS
Band5	Stand-Al one	15kH z	NaN	QPSK	20649	3@3	20.72	PASS

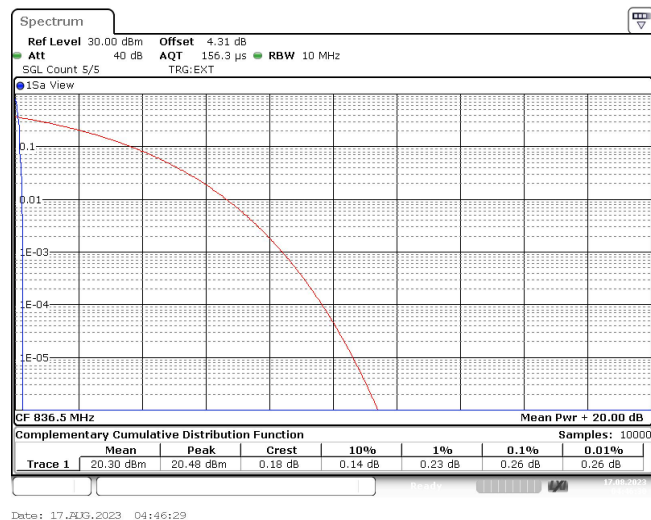
Appendix B: Peak-to-Average Ratio(CCDF) for NB1

Test Result

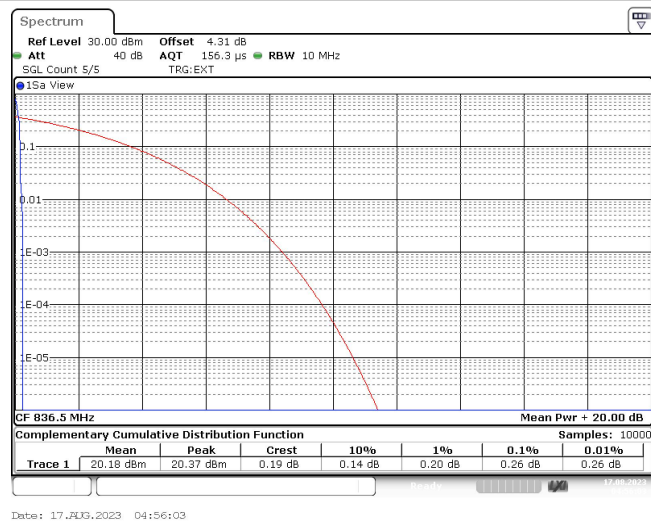
Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Limit (dBm)	Verdict
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20525	1@0	1.77	<=13	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20525	1@47	0.26	<=13	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20525	1@0	0.26	<=13	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20525	1@47	0.26	<=13	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20525	1@0	1.36	<=13	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20525	1@11	1.42	<=13	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20525	3@3	8.81	<=13	PASS

Test Graphs

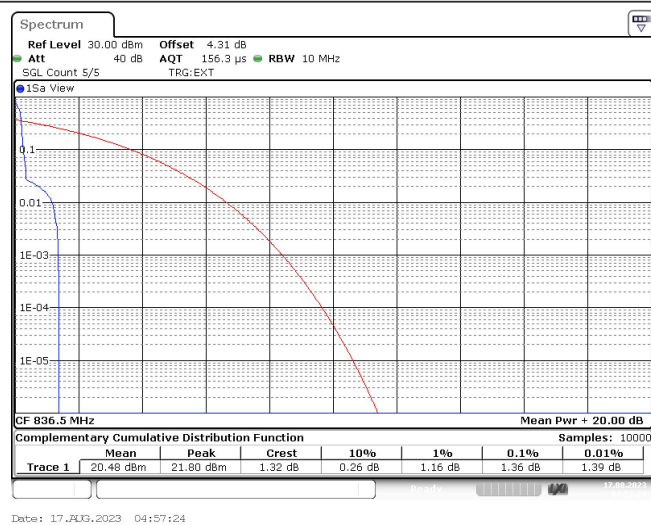




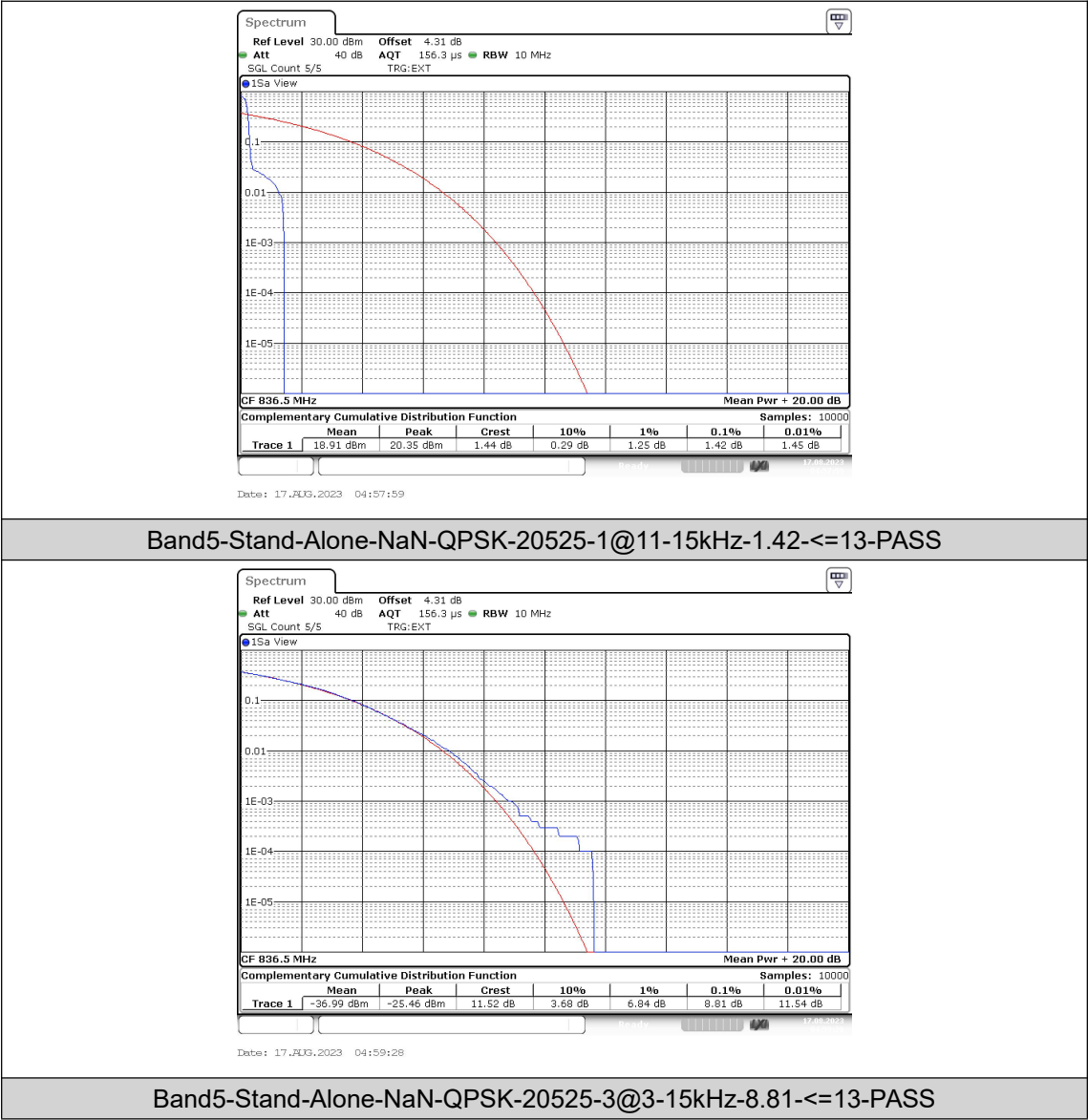
Band5-Stand-Alone-NaN-QPSK-20525-1@0-3.75kHz-0.26-<=13-PASS



Band5-Stand-Alone-NaN-QPSK-20525-1@47-3.75kHz-0.26-<=13-PASS



Band5-Stand-Alone-NaN-QPSK-20525-1@0-15kHz-1.36-<=13-PASS



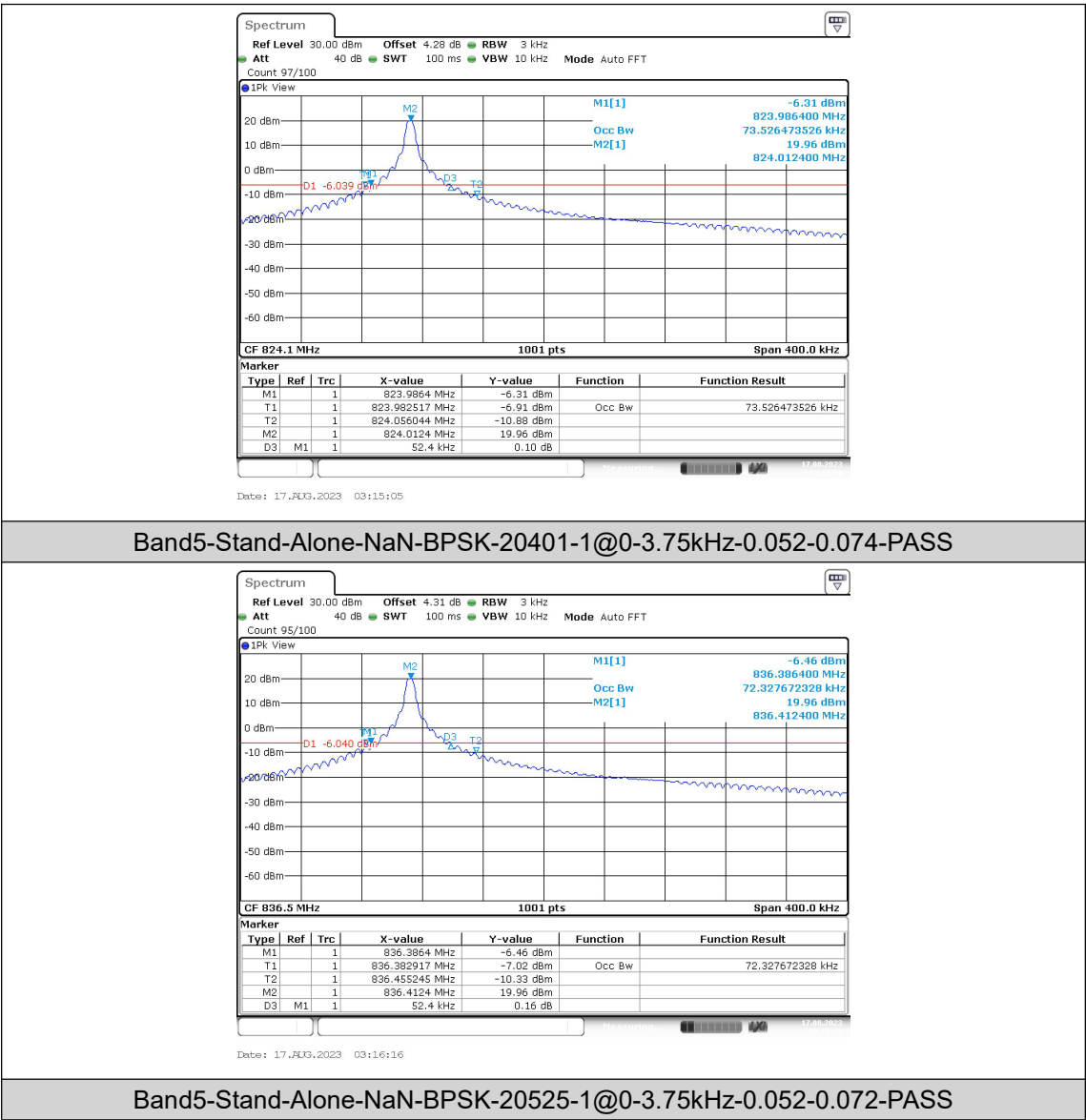
Appendix C: Emission Bandwidth for NB1

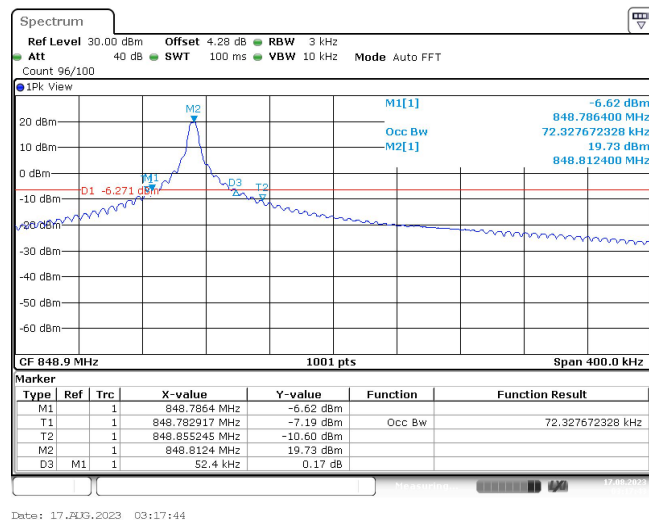
Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	OBW(MHz)	EBW(MHz)	Verdict
Band5	Stand-Al one	3.75kHz	NaN	BPSK	20401	1@0	0.074	0.052	PASS
Band5	Stand-Al one	3.75kHz	NaN	BPSK	20525	1@0	0.072	0.052	PASS
Band5	Stand-Al one	3.75kHz	NaN	BPSK	20649	1@0	0.072	0.052	PASS
Band5	Stand-Al one	3.75kHz	NaN	QPSK	20401	1@0	0.09	0.054	PASS
Band5	Stand-Al one	3.75kHz	NaN	QPSK	20525	1@0	0.088	0.052	PASS
Band5	Stand-Al one	3.75kHz	NaN	QPSK	20649	1@0	0.088	0.052	PASS
Band5	Stand-Al one	15kHz	NaN	BPSK	20401	1@0	0.132	0.108	PASS
Band5	Stand-Al one	15kHz	NaN	BPSK	20401	12@0	0.184	0.251	PASS
Band5	Stand-Al one	15kHz	NaN	BPSK	20525	1@0	0.133	0.107	PASS
Band5	Stand-Al one	15kHz	NaN	BPSK	20525	12@0	0.195	0.225	PASS
Band5	Stand-Al one	15kHz	NaN	BPSK	20649	1@0	0.133	0.108	PASS
Band5	Stand-Al one	15kHz	NaN	BPSK	20649	12@0	0.184	0.251	PASS
Band5	Stand-Al one	15kHz	NaN	QPSK	20401	1@0	0.132	0.119	PASS
Band5	Stand-Al one	15kHz	NaN	QPSK	20401	12@0	0.191	0.224	PASS
Band5	Stand-Al one	15kHz	NaN	QPSK	20525	1@0	0.131	0.119	PASS
Band5	Stand-Al one	15kHz	NaN	QPSK	20525	12@0	0.184	0.251	PASS
Band5	Stand-Al one	15kHz	NaN	QPSK	20649	1@0	0.131	0.119	PASS
Band5	Stand-Al	15kHz	NaN	QPSK	20649	12@0	0.184	0.251	PASS

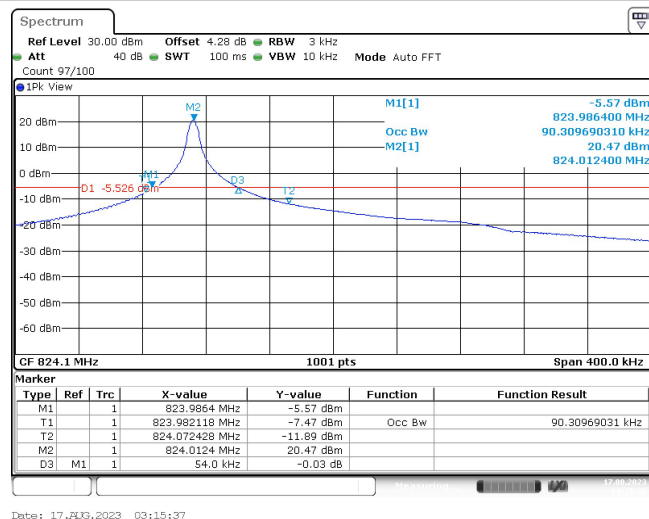
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Test Graphs

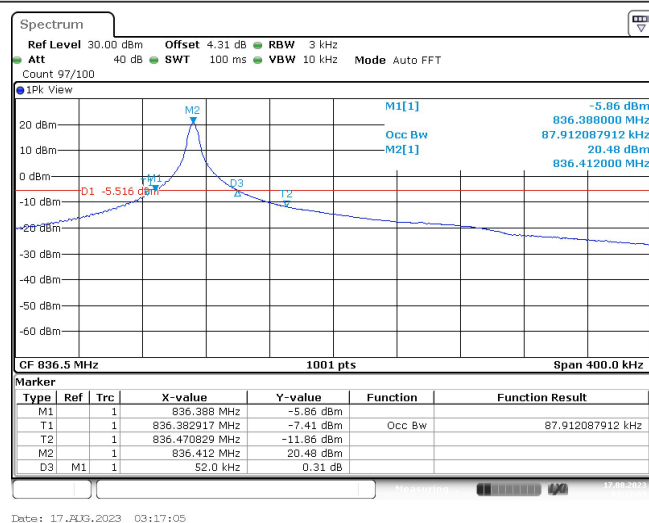




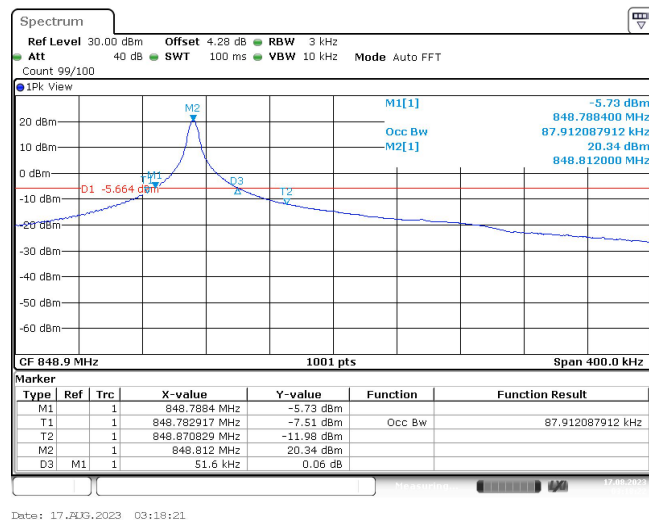
Band5-Stand-Alone-NaN-BPSK-20649-1@0-3.75kHz-0.052-0.072-PASS



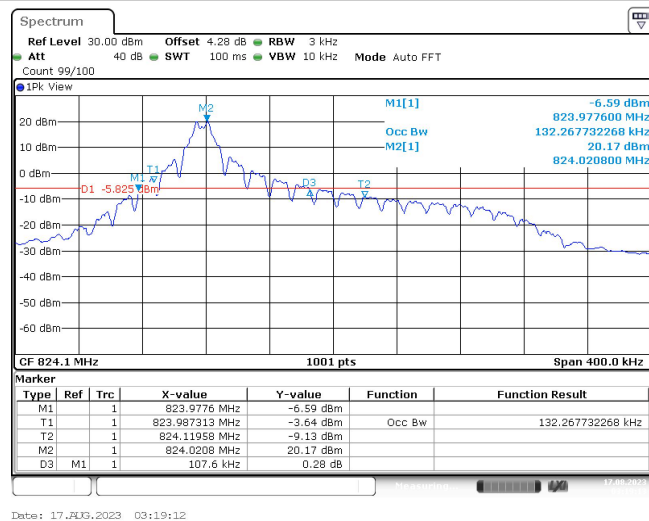
Band5-Stand-Alone-NaN-QPSK-20401-1@0-3.75kHz-0.054-0.09-PASS



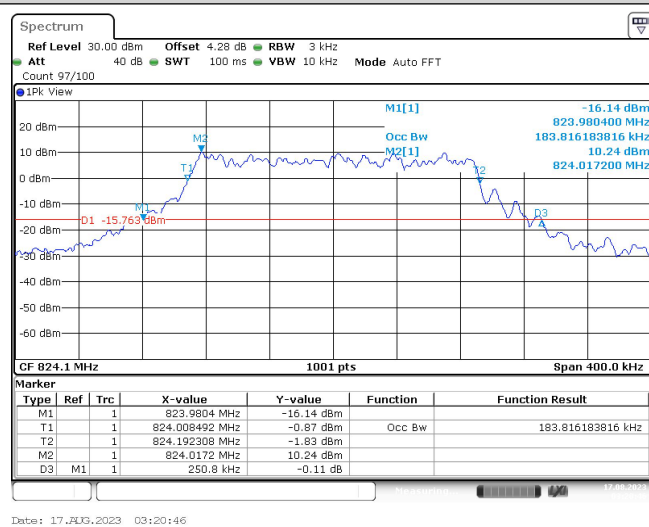
Band5-Stand-Alone-NaN-QPSK-20525-1@0-3.75kHz-0.052-0.088-PASS



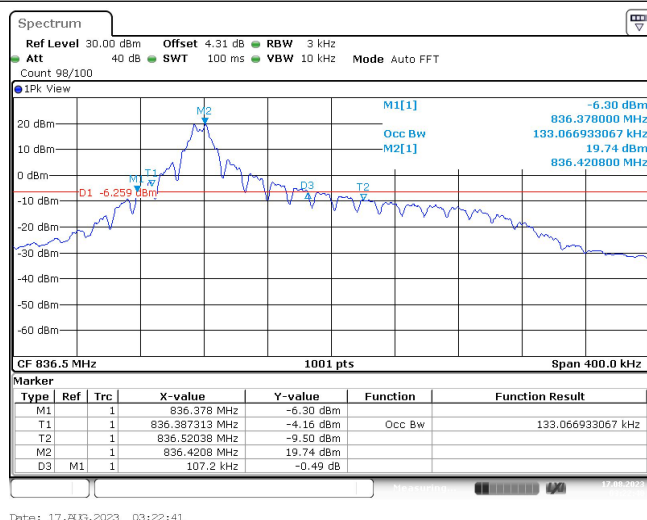
Band5-Stand-Alone-NaN-QPSK-20649-1@0-3.75kHz-0.052-0.088-PASS



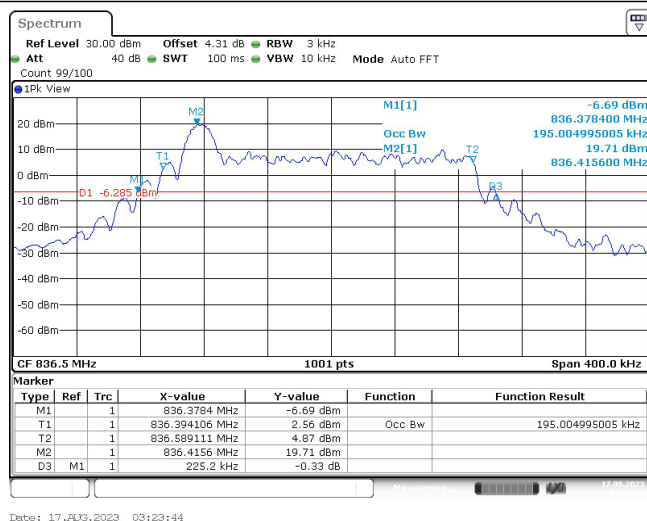
Band5-Stand-Alone-NaN-BPSK-20401-1@0-15kHz-0.108-0.132-PASS



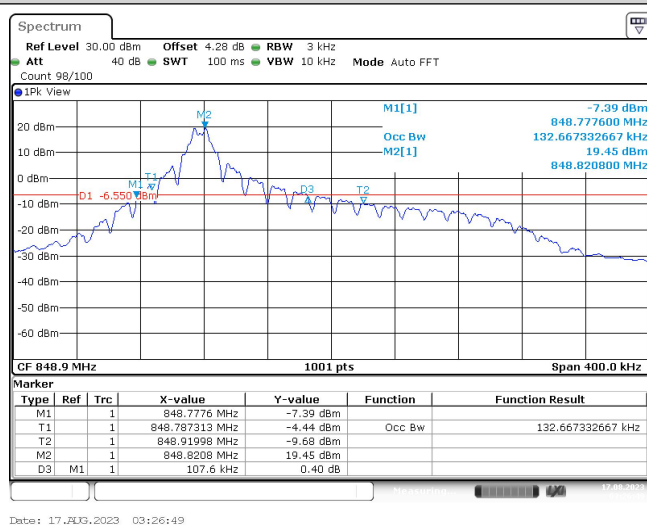
Band5-Stand-Alone-NaN-BPSK-20401-12@0-15kHz-0.251-0.184-PASS



Band5-Stand-Alone-NaN-BPSK-20525-1@0-15kHz-0.107-0.133-PASS



Band5-Stand-Alone-NaN-BPSK-20525-12@0-15kHz-0.225-0.195-PASS



Band5-Stand-Alone-NaN-BPSK-20649-1@0-15kHz-0.108-0.133-PASS