

Appendix for Band 4

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
Band4	Stand-Al one	3.75k Hz	NaN	BPSK	19951	1@0	19.75	PASS
Band4	Stand-Al one	3.75k Hz	NaN	BPSK	19951	1@47	19.69	PASS
Band4	Stand-Al one	3.75k Hz	NaN	BPSK	20175	1@0	19.56	PASS
Band4	Stand-Al one	3.75k Hz	NaN	BPSK	20175	1@47	19.41	PASS
Band4	Stand-Al one	3.75k Hz	NaN	BPSK	20399	1@0	19.50	PASS
Band4	Stand-Al one	3.75k Hz	NaN	BPSK	20399	1@47	19.39	PASS
Band4	Stand-Al one	3.75k Hz	NaN	QPSK	19951	1@0	19.82	PASS
Band4	Stand-Al one	3.75k Hz	NaN	QPSK	19951	1@47	19.70	PASS
Band4	Stand-Al one	3.75k Hz	NaN	QPSK	20175	1@0	19.57	PASS
Band4	Stand-Al one	3.75k Hz	NaN	QPSK	20175	1@47	19.48	PASS
Band4	Stand-Al one	3.75k Hz	NaN	QPSK	20399	1@0	19.54	PASS
Band4	Stand-Al one	3.75k Hz	NaN	QPSK	20399	1@47	19.45	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	19951	1@0	19.80	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	19951	1@11	19.69	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	20175	1@0	19.67	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	20175	1@11	19.60	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	20399	1@0	19.63	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	20399	1@11	19.57	PASS

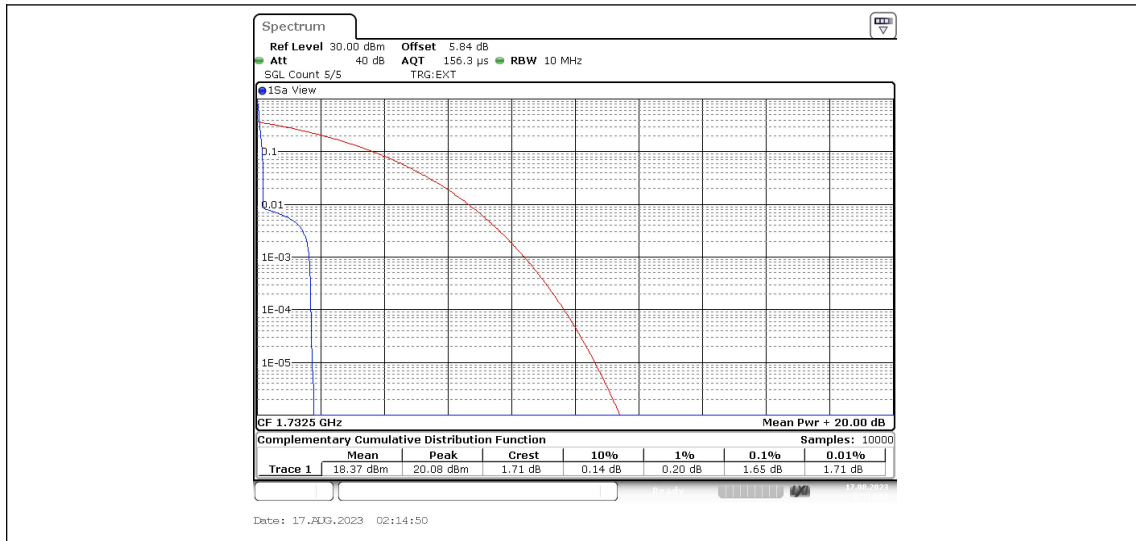
	one	z						
Band4	Stand-Al one	15kH z	NaN	QPSK	19951	1@0	19.97	PASS
Band4	Stand-Al one	15kH z	NaN	QPSK	19951	1@11	19.91	PASS
Band4	Stand-Al one	15kH z	NaN	QPSK	19951	3@3	19.96	PASS
Band4	Stand-Al one	15kH z	NaN	QPSK	20175	1@0	19.81	PASS
Band4	Stand-Al one	15kH z	NaN	QPSK	20175	1@11	19.73	PASS
Band4	Stand-Al one	15kH z	NaN	QPSK	20175	3@3	19.76	PASS
Band4	Stand-Al one	15kH z	NaN	QPSK	20399	1@0	19.84	PASS
Band4	Stand-Al one	15kH z	NaN	QPSK	20399	1@11	19.71	PASS
Band4	Stand-Al one	15kH z	NaN	QPSK	20399	3@3	19.66	PASS

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

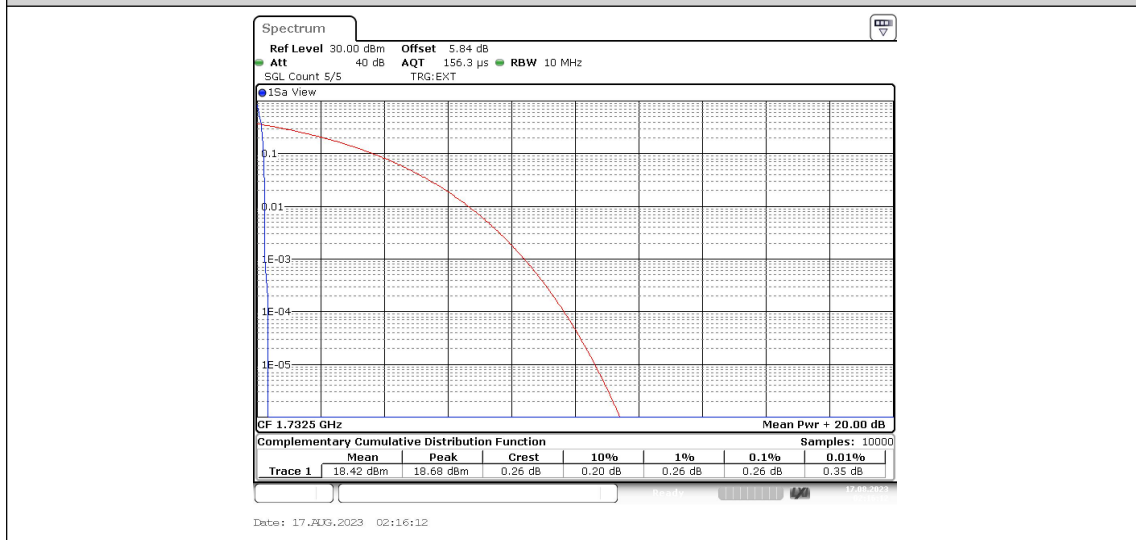
Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Limit (dBm)	Verdict
Band4	Stand-Alone	3.75kHz	NaN	BPSK	20175	1@0	1.65	<=13	PASS
Band4	Stand-Alone	3.75kHz	NaN	BPSK	20175	1@47	0.26	<=13	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@0	0.23	<=13	PASS
Band4	Stand-Alone	3.75kHz	NaN	QPSK	20175	1@47	0.26	<=13	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	20175	1@0	1.48	<=13	PASS
Band4	Stand-Alone	15kHz	NaN	BPSK	20175	1@11	0.58	<=13	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@0	1.45	<=13	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	1@11	0.52	<=13	PASS
Band4	Stand-Alone	15kHz	NaN	QPSK	20175	3@3	1.16	<=13	PASS

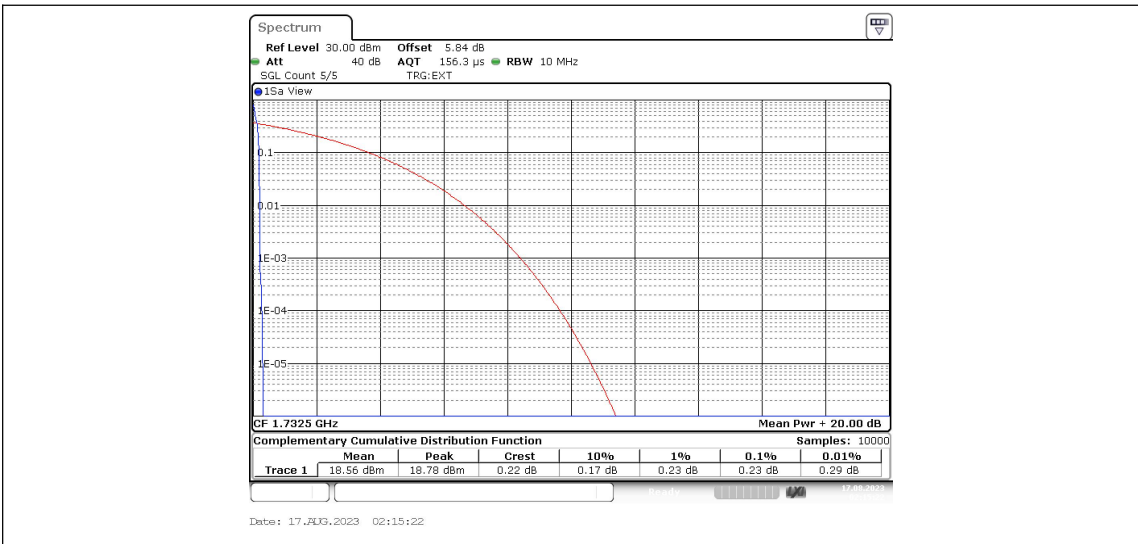
Test Graphs



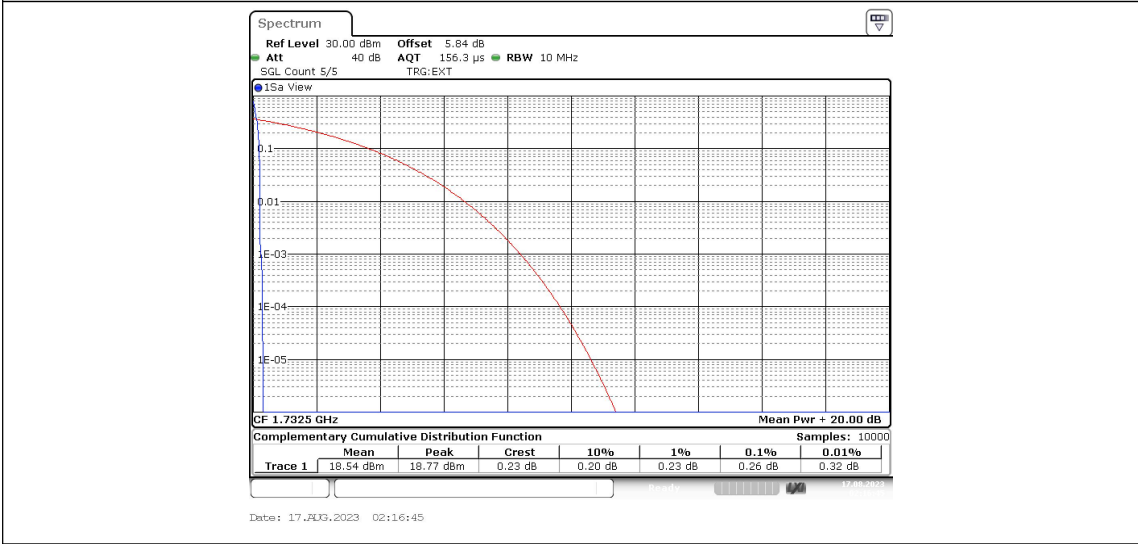
Band4-Stand-Alone-NaN-BPSK-20175-1@0-3.75kHz-1.65-<=13-PASS



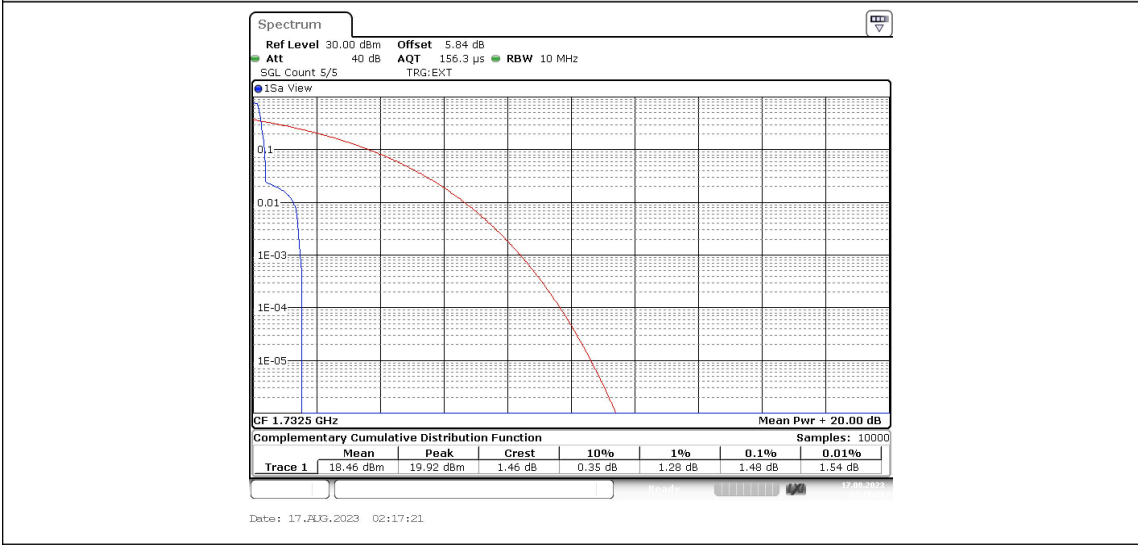
Band4-Stand-Alone-NaN-BPSK-20175-1@47-3.75kHz-0.26-<=13-PASS



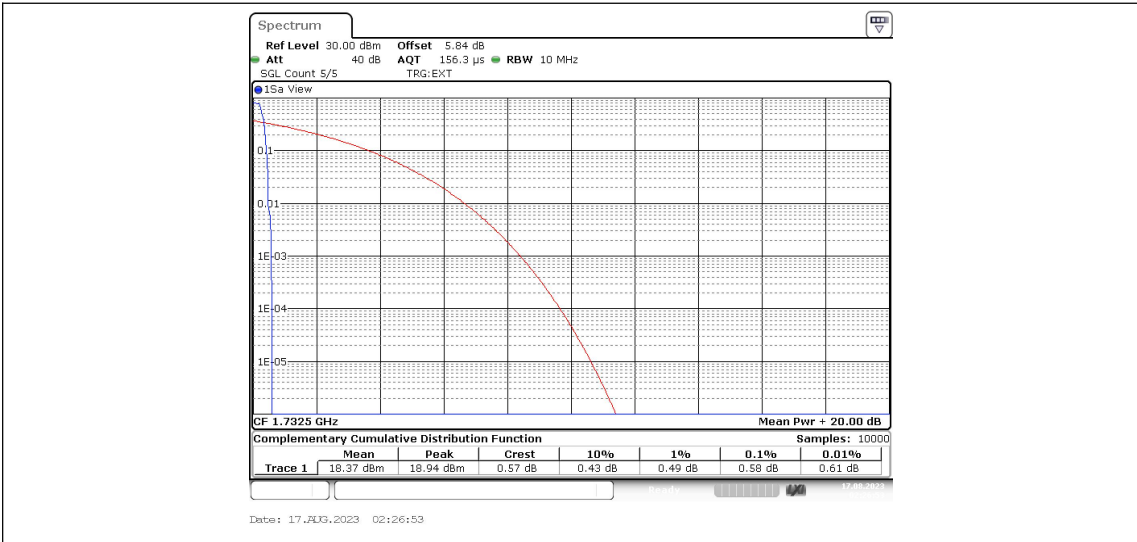
Band4-Stand-Alone-NaN-QPSK-20175-1@0-3.75kHz-0.23-<=13-PASS



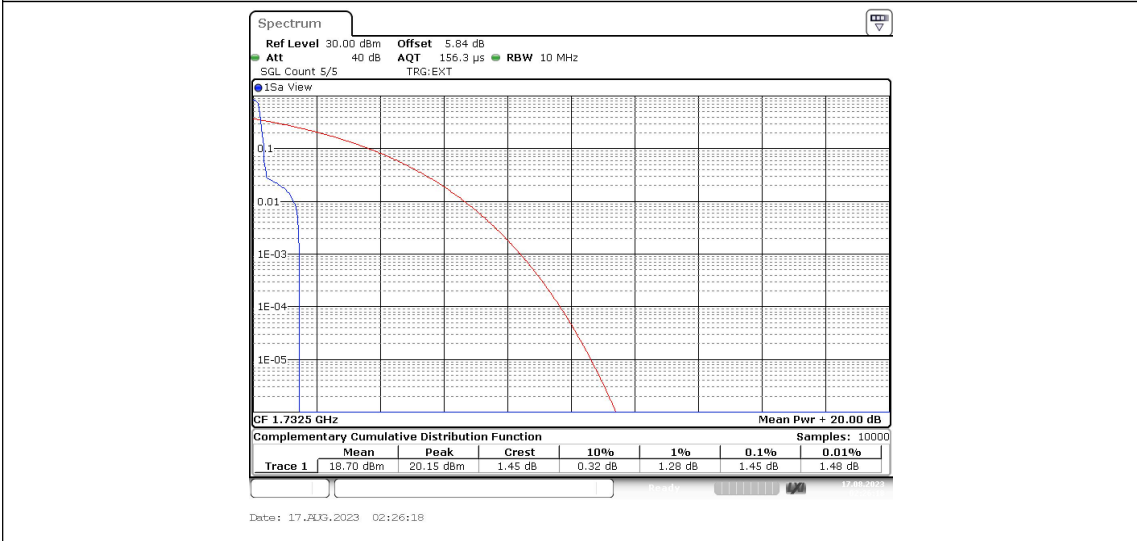
Band4-Stand-Alone-NaN-QPSK-20175-1@47-3.75kHz-0.26-<=13-PASS



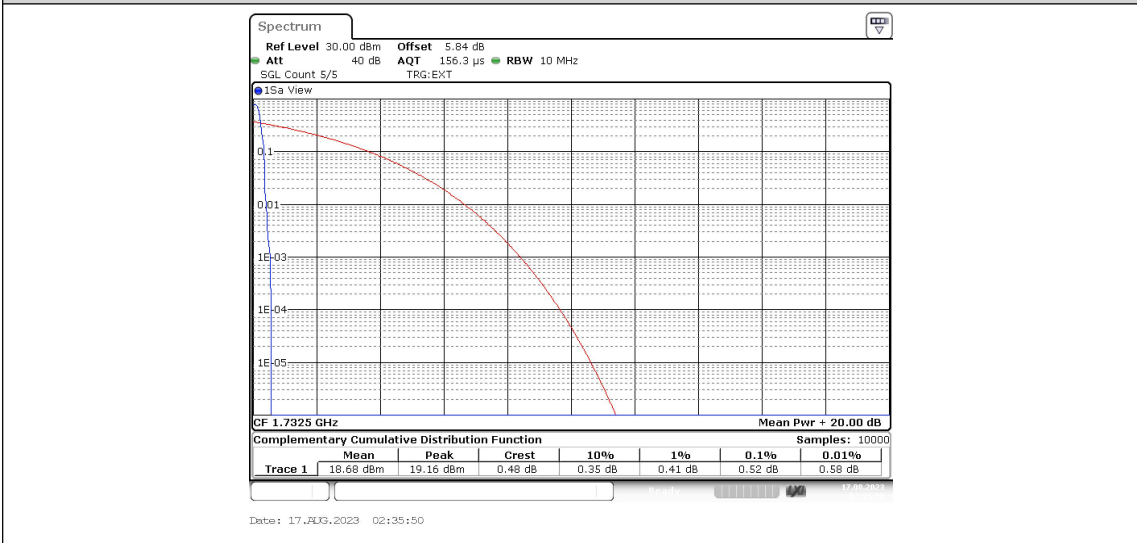
Band4-Stand-Alone-NaN-BPSK-20175-1@0-15kHz-1.48-<=13-PASS



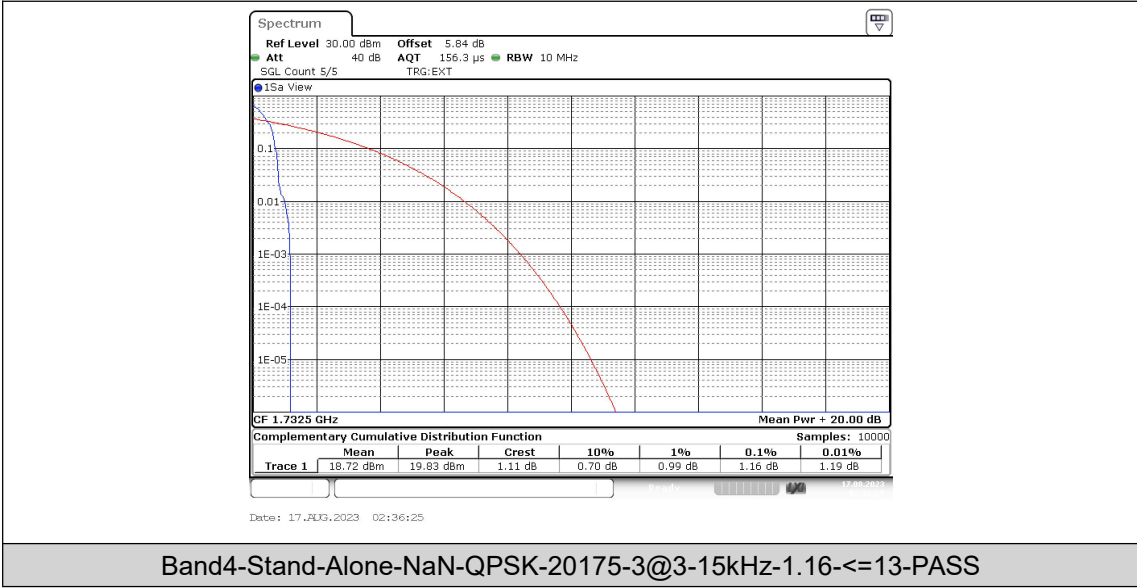
Band4-Stand-Alone-NaN-BPSK-20175-1@11-15kHz-0.58-<=13-PASS



Band4-Stand-Alone-NaN-QPSK-20175-1@0-15kHz-1.45-<=13-PASS



Band4-Stand-Alone-NaN-QPSK-20175-1@11-15kHz-0.52-<=13-PASS

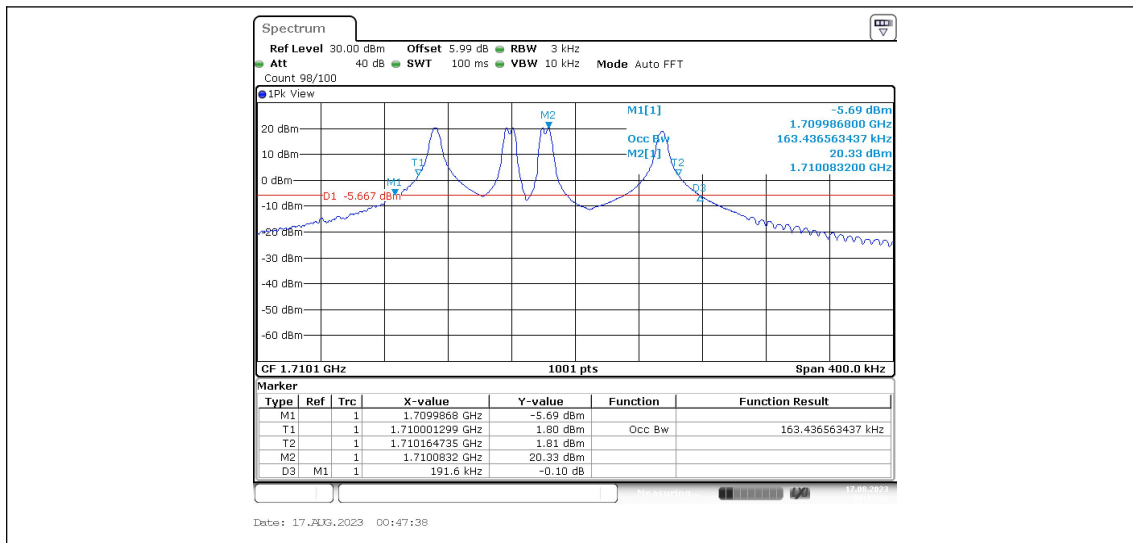


Appendix C: Emission Bandwidth for NB1

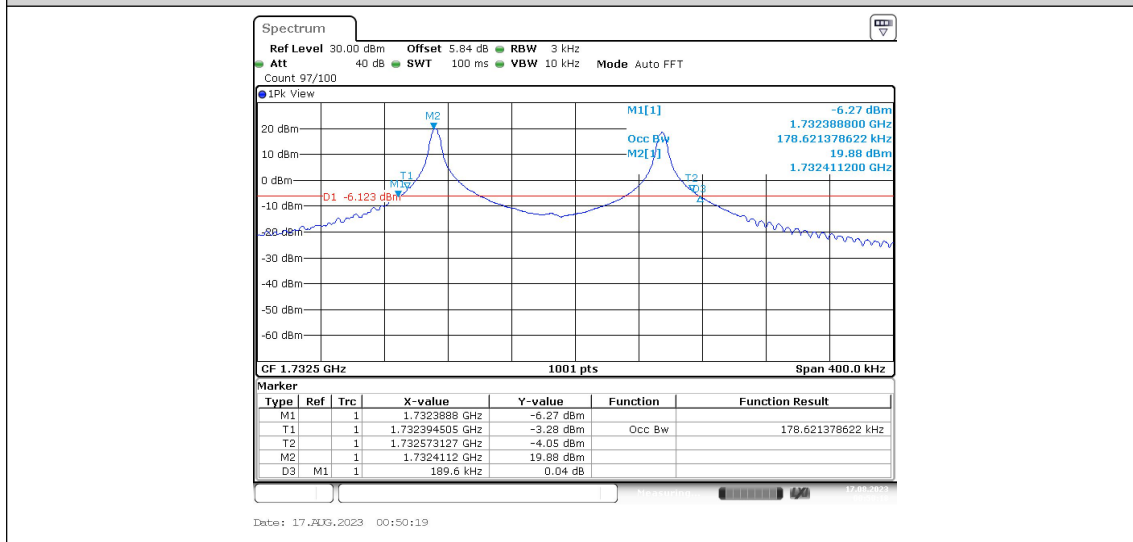
Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	OBW(MHz)	EBW(MHz)	Verdict
Band4	Stand-Al one	3.75kHz	NaN	BPSK	19951	1@0	0.163	0.192	PASS
Band4	Stand-Al one	3.75kHz	NaN	BPSK	20175	1@0	0.179	0.190	PASS
Band4	Stand-Al one	3.75kHz	NaN	BPSK	20399	1@0	0.079	0.053	PASS
Band4	Stand-Al one	3.75kHz	NaN	QPSK	19951	1@0	0.179	0.189	PASS
Band4	Stand-Al one	3.75kHz	NaN	QPSK	20175	1@0	0.092	0.055	PASS
Band4	Stand-Al one	3.75kHz	NaN	QPSK	20399	1@0	0.094	0.055	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	19951	1@0	0.132	0.105	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	19951	12@0	0.184	0.250	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	20175	1@0	0.133	0.105	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	20175	12@0	0.184	0.250	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	20399	1@0	0.133	0.105	PASS
Band4	Stand-Al one	15kHz	NaN	BPSK	20399	12@0	0.184	0.251	PASS
Band4	Stand-Al one	15kHz	NaN	QPSK	19951	1@0	0.131	0.119	PASS
Band4	Stand-Al one	15kHz	NaN	QPSK	19951	12@0	0.184	0.250	PASS
Band4	Stand-Al one	15kHz	NaN	QPSK	20175	1@0	0.132	0.119	PASS
Band4	Stand-Al one	15kHz	NaN	QPSK	20175	12@0	0.184	0.250	PASS
Band4	Stand-Al one	15kHz	NaN	QPSK	20399	1@0	0.133	0.119	PASS
Band4	Stand-Al one	15kHz	NaN	QPSK	20399	12@0	0.184	0.251	PASS

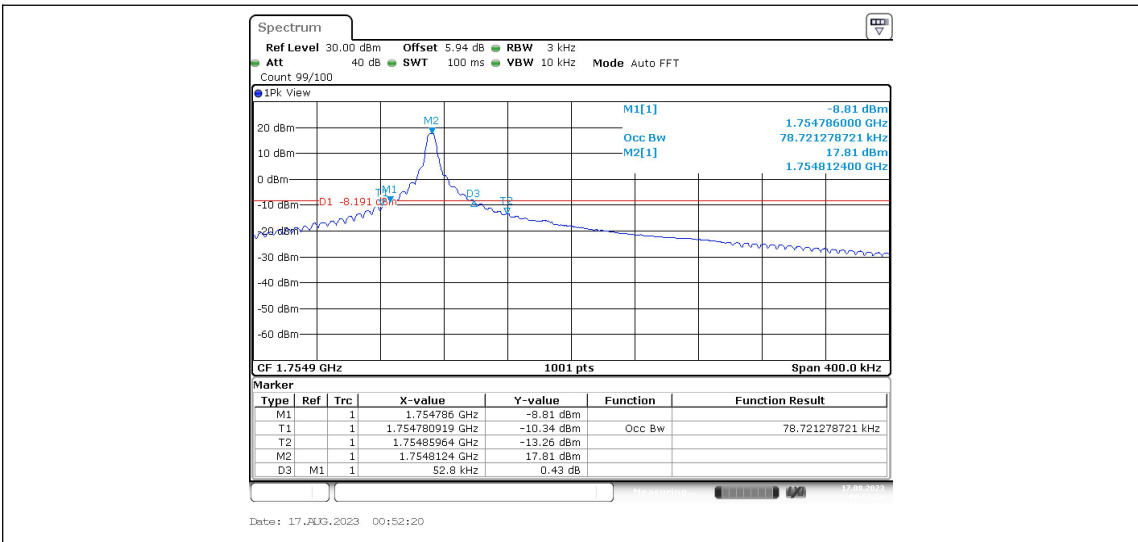
Test Graphs



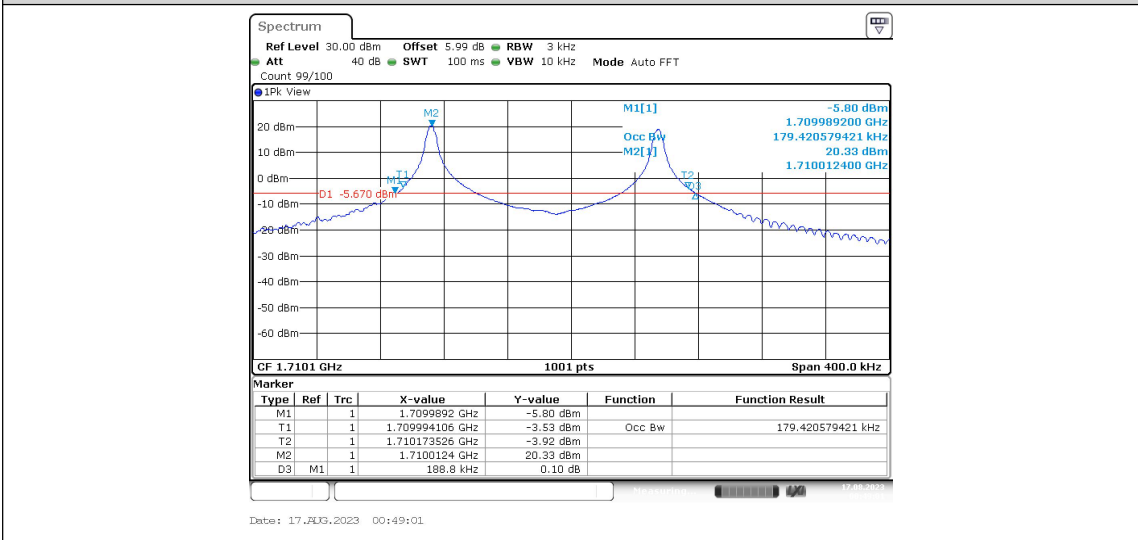
Band4-Stand-Alone-NaN-BPSK-19951-1@0-3.75kHz-0.192-0.163-PASS



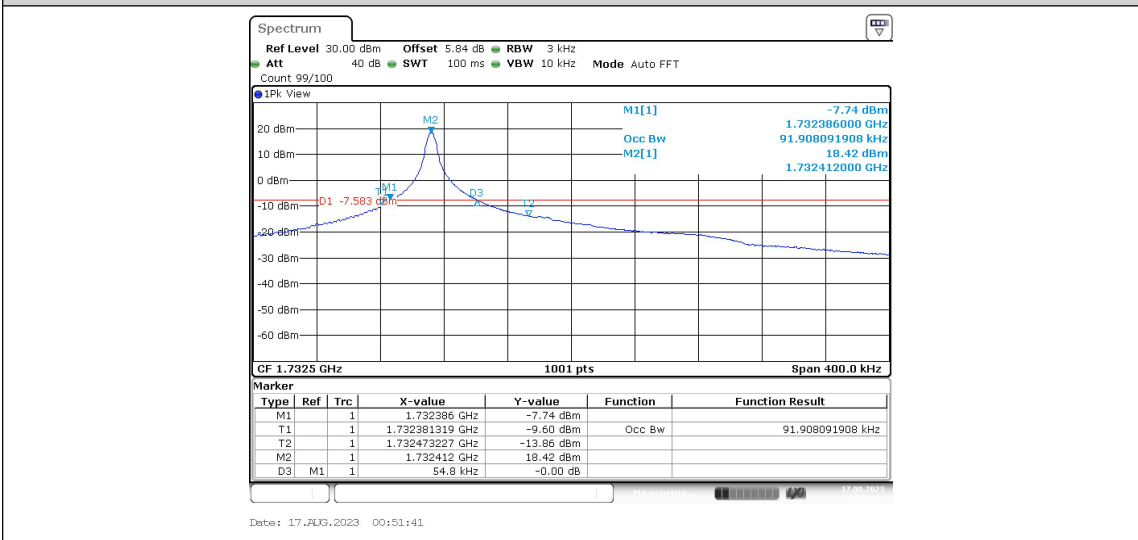
Band4-Stand-Alone-NaN-BPSK-20175-1@0-3.75kHz-0.190-0.179-PASS



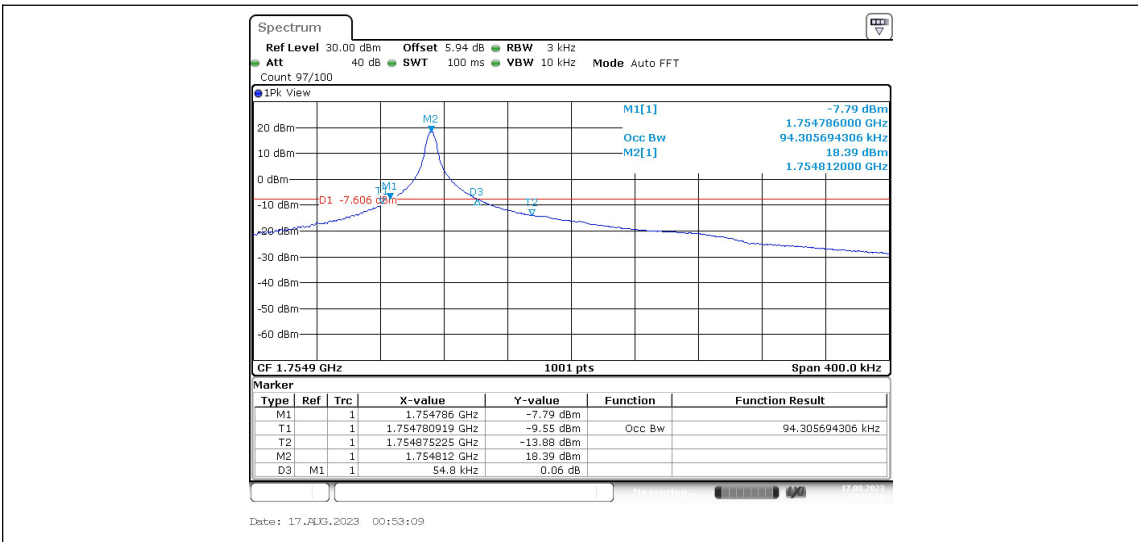
Band4-Stand-Alone-NaN-BPSK-20399-1@0-3.75kHz-0.053-0.079-PASS



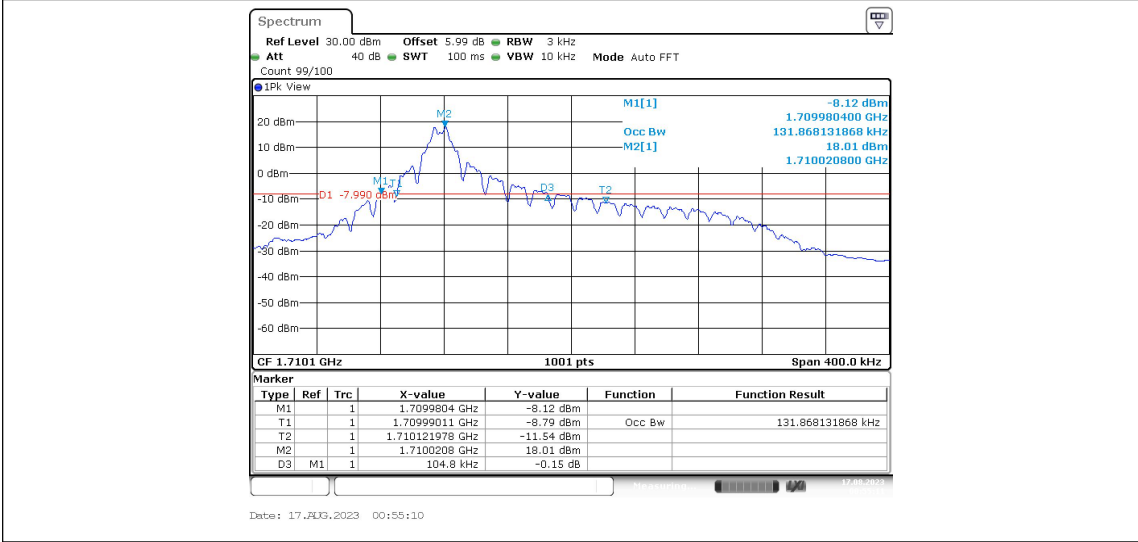
Band4-Stand-Alone-NaN-QPSK-19951-1@0-3.75kHz-0.189-0.179-PASS



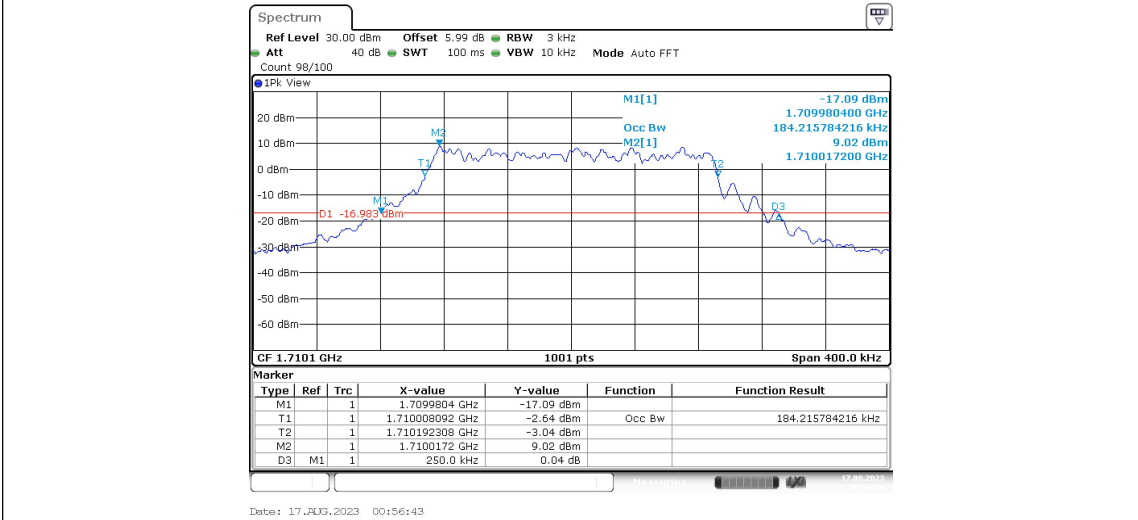
Band4-Stand-Alone-NaN-QPSK-20175-1@0-3.75kHz-0.055-0.092-PASS



Band4-Stand-Alone-NaN-QPSK-20399-1@0-3.75kHz-0.055-0.094-PASS



Band4-Stand-Alone-NaN-BPSK-19951-1@0-15kHz-0.105-0.132-PASS



Band4-Stand-Alone-NaN-BPSK-19951-12@0-15kHz-0.250-0.184-PASS