

Appendix for NB-IOT Band 25

Product Name: NBloT Meter Interface Unit

Model No: AGIL WRPMIU 301

Appendix A: Average Power Output Data

Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	Conducted POWER(d Bm)	Verdict
Band 25	Stand-Al one	3.75k Hz	NaN	BPSK	26041	1@0	23.25	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	BPSK	26041	1@47	23.24	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	BPSK	26365	1@0	23.36	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	BPSK	26365	1@47	23.36	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	BPSK	26689	1@0	23.62	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	BPSK	26689	1@47	23.63	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	QPSK	26041	1@0	22.29	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	QPSK	26041	1@47	22.29	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	QPSK	26365	1@0	22.56	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	QPSK	26365	1@47	23.41	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	QPSK	26689	1@0	23.02	PASS
Band 25	Stand-Al one	3.75k Hz	NaN	QPSK	26689	1@47	23.02	PASS
Band 25	Stand-Al one	15kHz	NaN	BPSK	26041	1@0	22.35	PASS
Band 25	Stand-Al one	15kHz	NaN	BPSK	26041	1@11	22.35	PASS
Band 25	Stand-Al one	15kHz	NaN	BPSK	26365	1@0	22.63	PASS
Band 25	Stand-Al one	15kHz	NaN	BPSK	26365	1@11	22.63	PASS
Band 25	Stand-Al one	15kHz	NaN	BPSK	26689	1@0	23.11	PASS

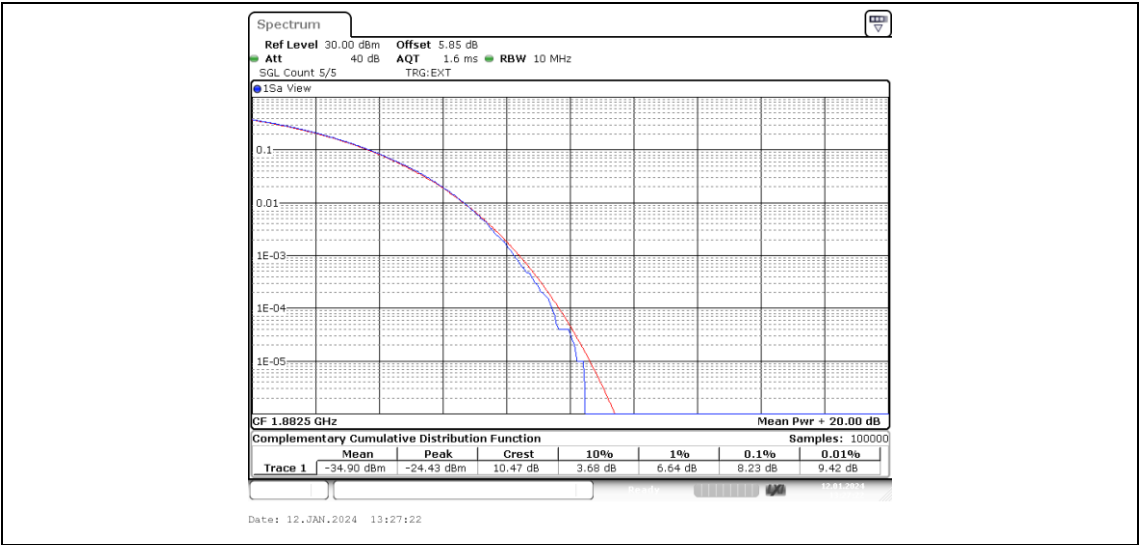
Band 25	Stand-Al one	15kHz	NaN	BPSK	26689	1@11	23.10	PASS
Band 25	Stand-Al one	15kHz	NaN	QPSK	26041	1@0	22.54	PASS
Band 25	Stand-Al one	15kHz	NaN	QPSK	26041	1@11	22.52	PASS
Band 25	Stand-Al one	15kHz	NaN	QPSK	26041	3@3	22.29	PASS
Band 25	Stand-Al one	15kHz	NaN	QPSK	26365	1@0	22.81	PASS
Band 25	Stand-Al one	15kHz	NaN	QPSK	26365	1@11	22.79	PASS
Band 25	Stand-Al one	15kHz	NaN	QPSK	26365	3@3	22.55	PASS
Band 25	Stand-Al one	15kHz	NaN	QPSK	26689	1@0	23.24	PASS
Band 25	Stand-Al one	15kHz	NaN	QPSK	26689	1@11	23.22	PASS
Band 25	Stand-Al one	15kHz	NaN	QPSK	26689	3@3	22.90	PASS

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

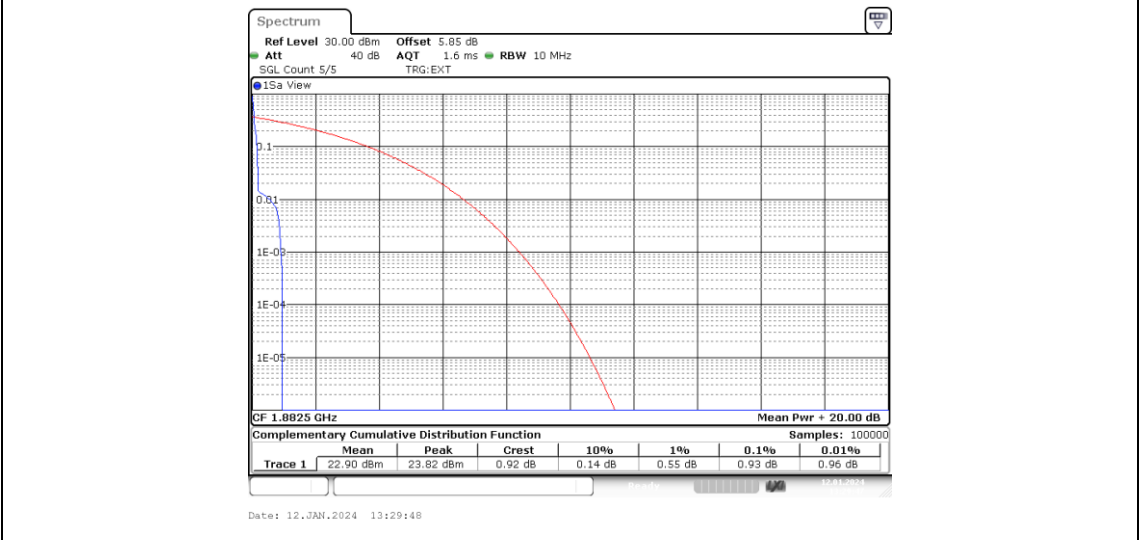
Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Limit (dBm)	Verdict
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26365	1@0	8.23	<=13	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26365	1@47	0.93	<=13	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@0	0.75	<=13	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@47	0.67	<=13	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26365	1@0	0.35	<=13	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26365	1@11	0.32	<=13	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26365	1@0	1.07	<=13	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26365	1@11	1.01	<=13	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26365	3@3	2.06	<=13	PASS

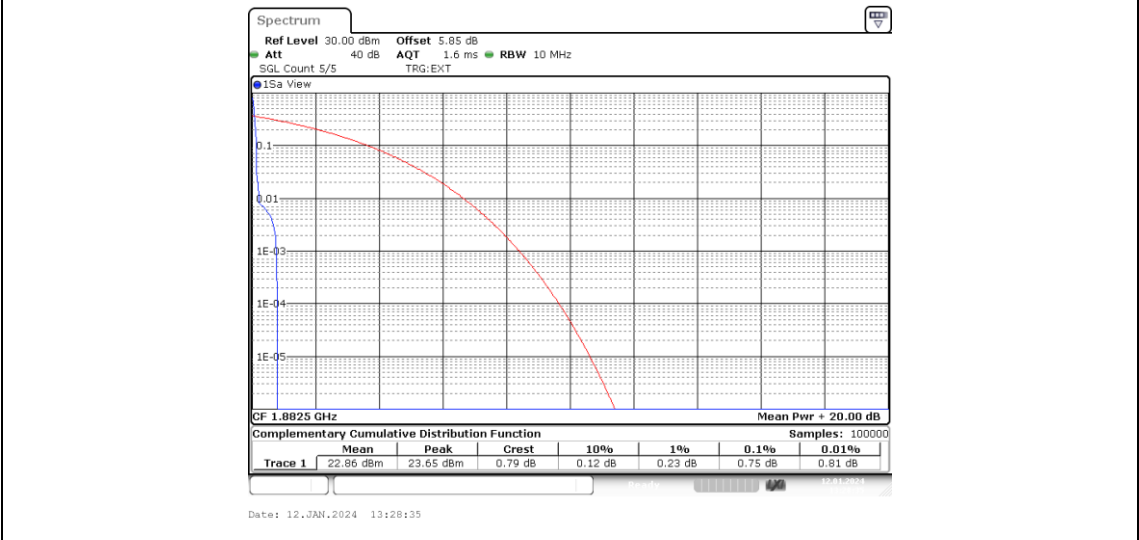
Test Graphs

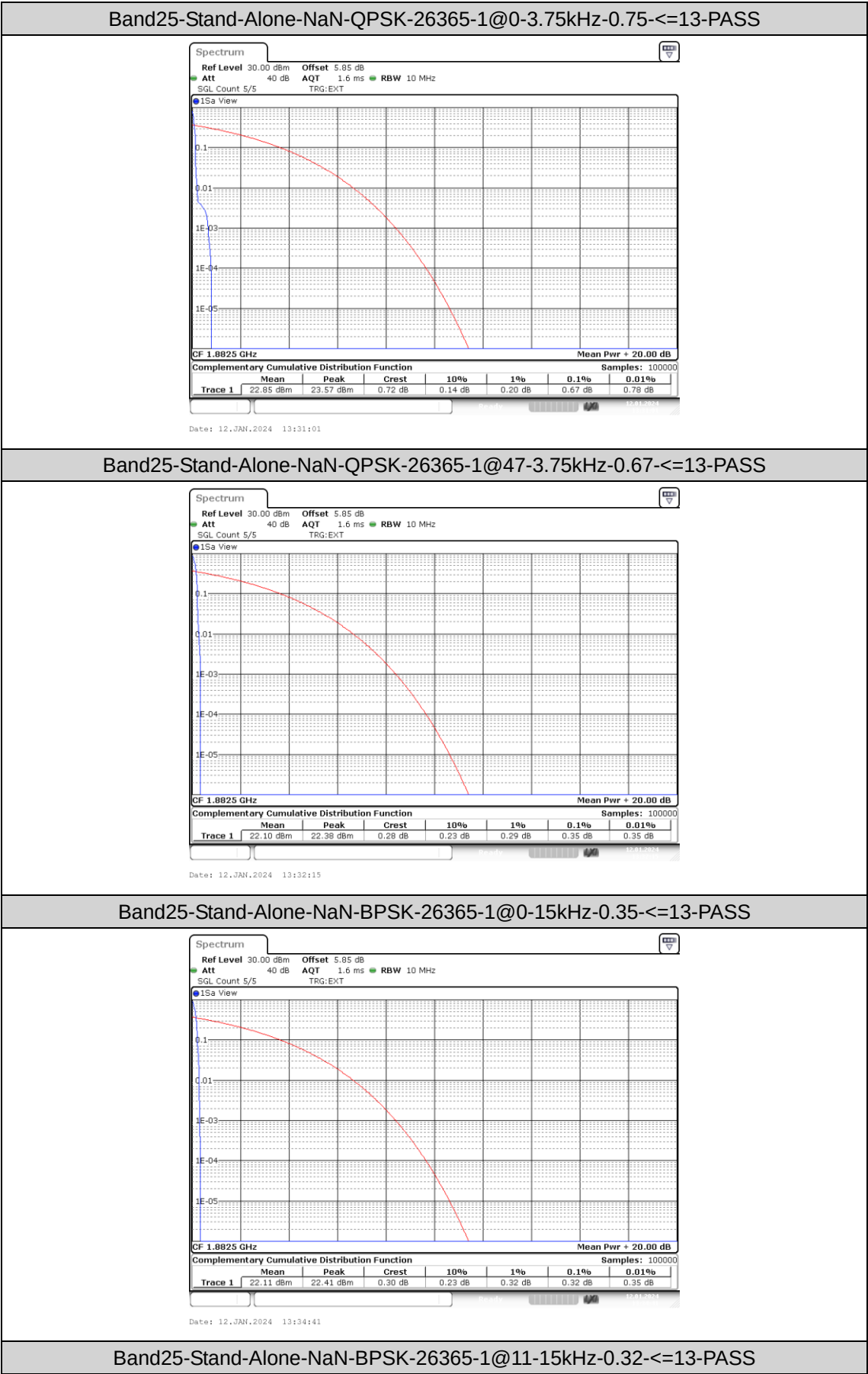


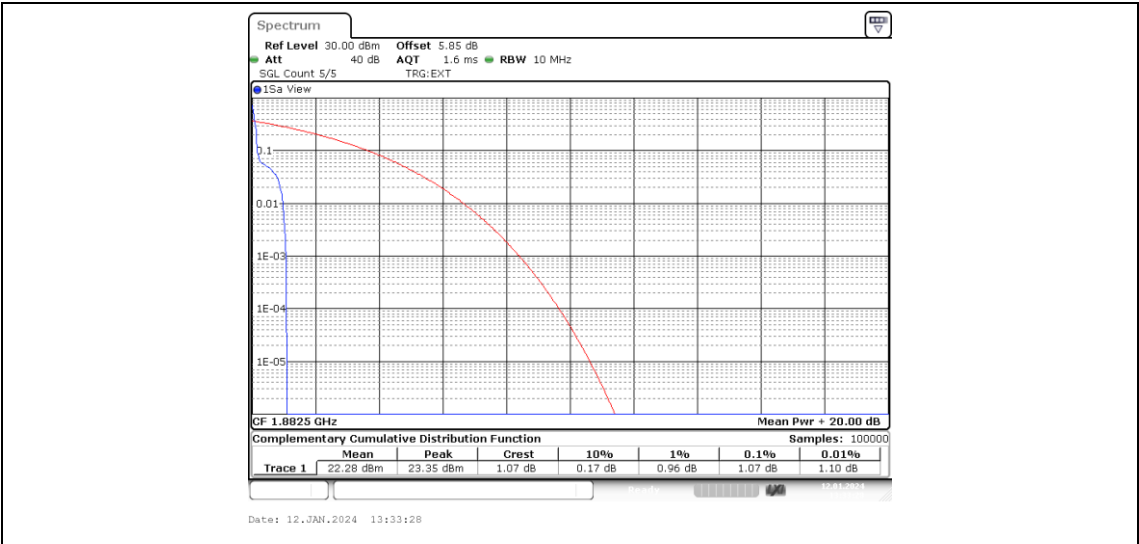
Band25-Stand-Alone-NaN-BPSK-26365-1@0-3.75kHz-8.23-<=13-PASS



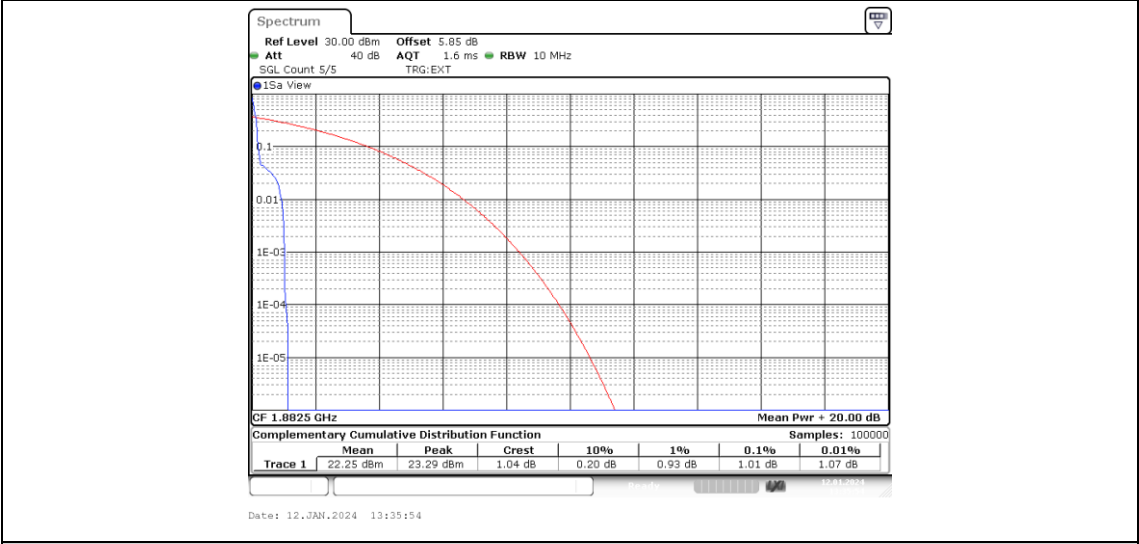
Band25-Stand-Alone-NaN-BPSK-26365-1@47-3.75kHz-0.93-<=13-PASS



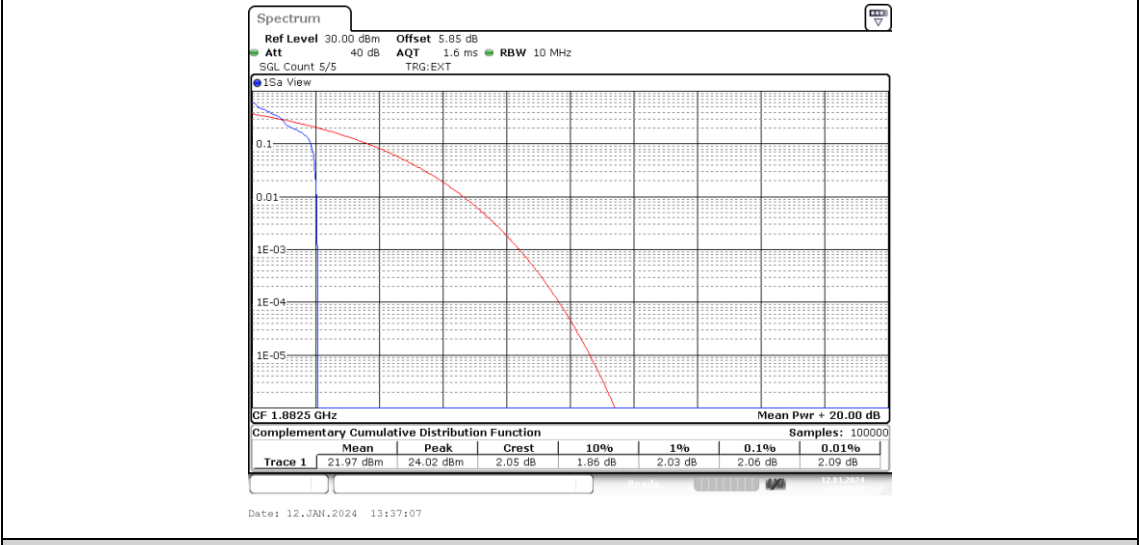




Band25-Stand-Alone-NaN-QPSK-26365-1@0-15kHz-1.07-<=13-PASS



Band25-Stand-Alone-NaN-QPSK-26365-1@11-15kHz-1.01-<=13-PASS



Band25-Stand-Alone-NaN-QPSK-26365-3@3-15kHz-2.06-<=13-PASS

Appendix C: Emission Bandwidth

Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	OBW(MHz)	EBW(MHz)	Verdict
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26041	1@0	0.111	0.071	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26365	1@0	0.114	0.072	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26689	1@0	0.114	0.072	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@0	0.115	0.068	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@0	0.117	0.069	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26689	1@0	0.117	0.069	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26041	1@0	0.11	0.124	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26041	12@0	0.177	0.223	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26365	1@0	0.111	0.124	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26365	12@0	0.177	0.224	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26689	1@0	0.112	0.124	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26689	12@0	0.177	0.224	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26041	1@0	0.133	0.161	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26041	12@0	0.177	0.224	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26365	1@0	0.133	0.161	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26365	12@0	0.177	0.223	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26689	1@0	0.133	0.161	PASS

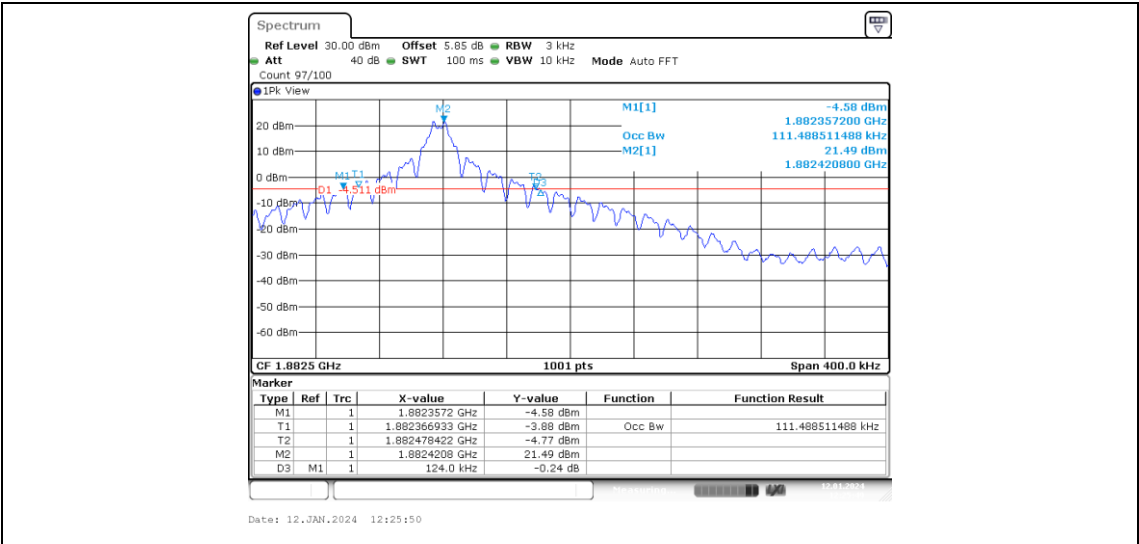
Band25	Stand-Al one	15kHz	NaN	QPSK	26689	12@0	0.177	0.224	PASS
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Test Graphs

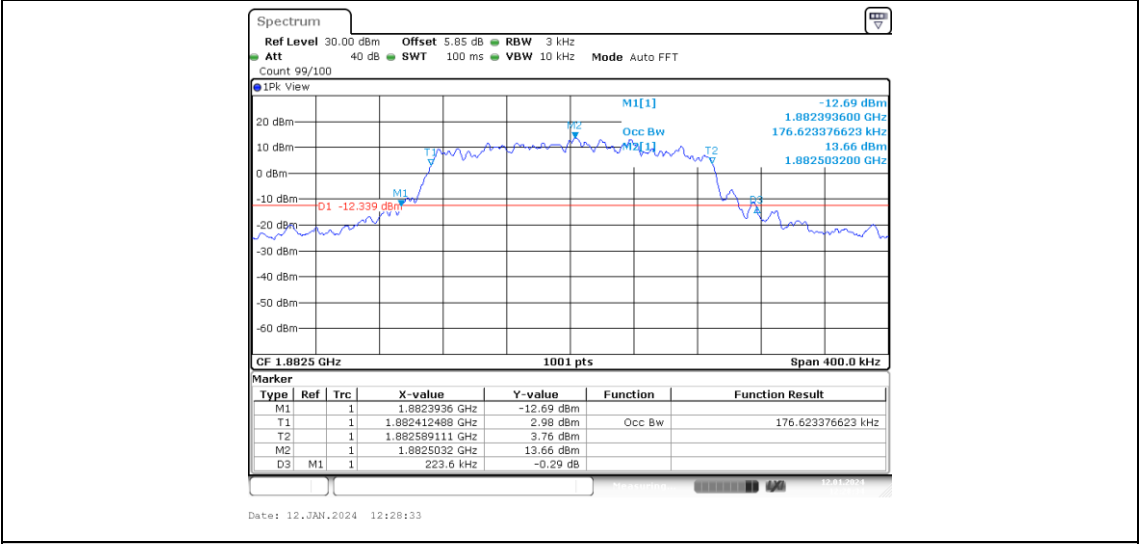




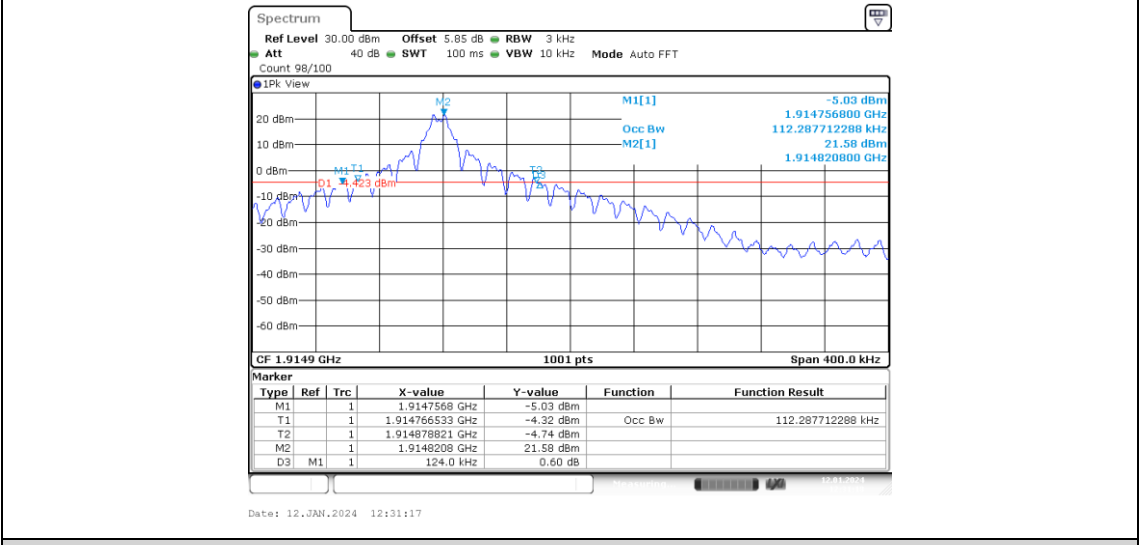




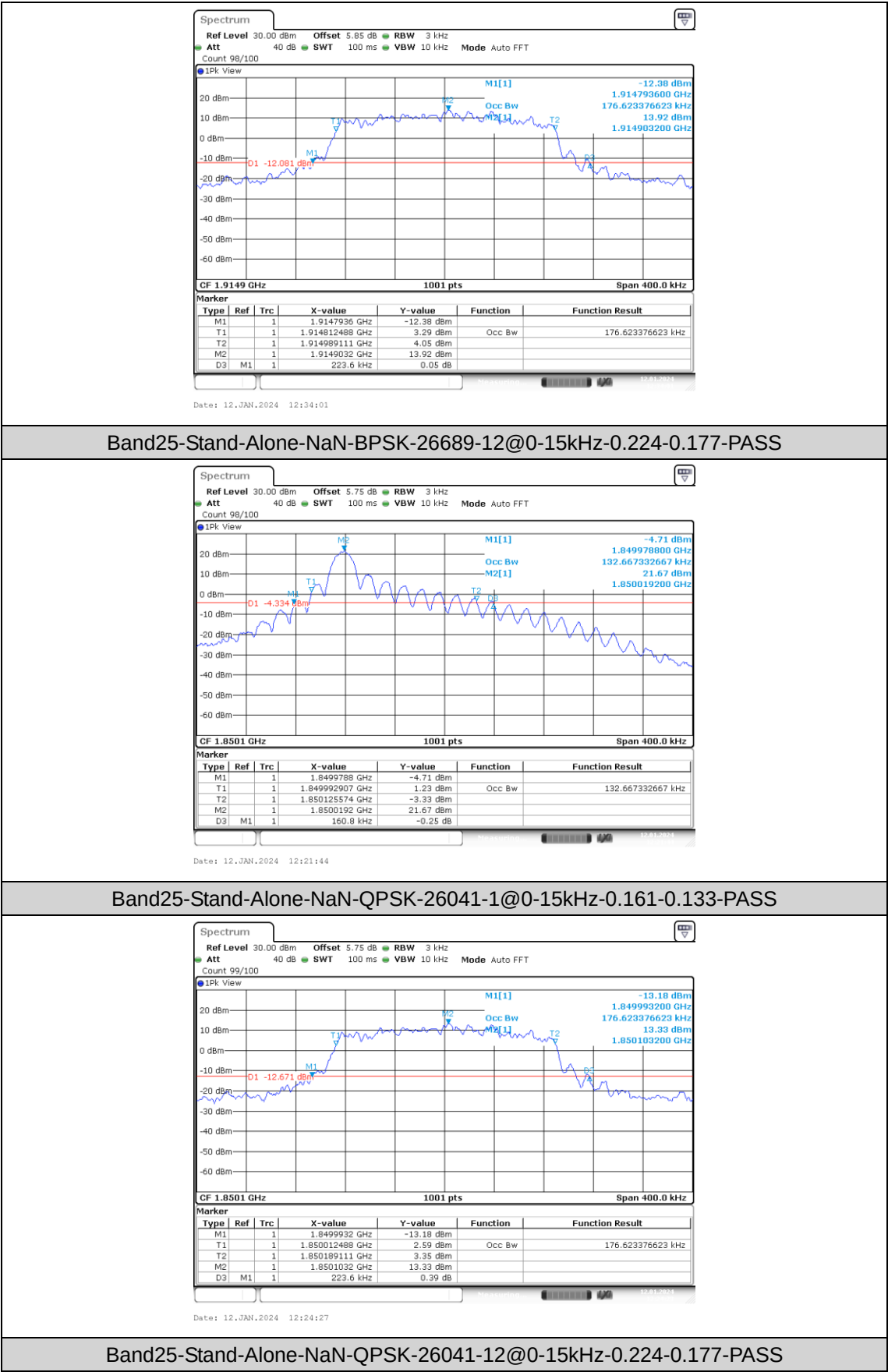
Band25-Stand-Alone-NaN-BPSK-26365-1@0-15kHz-0.124-0.111-PASS

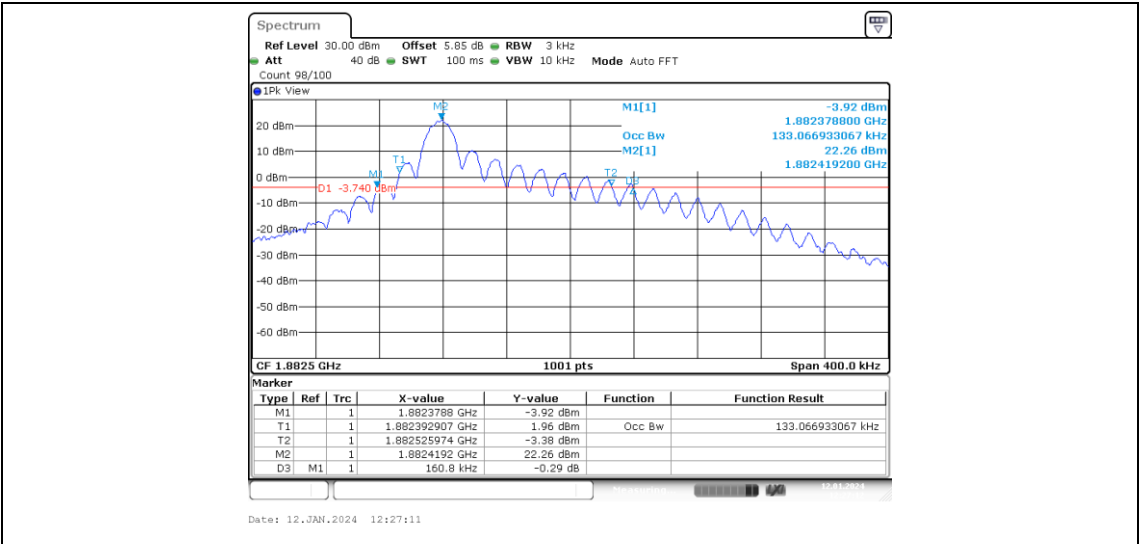


Band25-Stand-Alone-NaN-BPSK-26365-12@0-15kHz-0.224-0.177-PASS

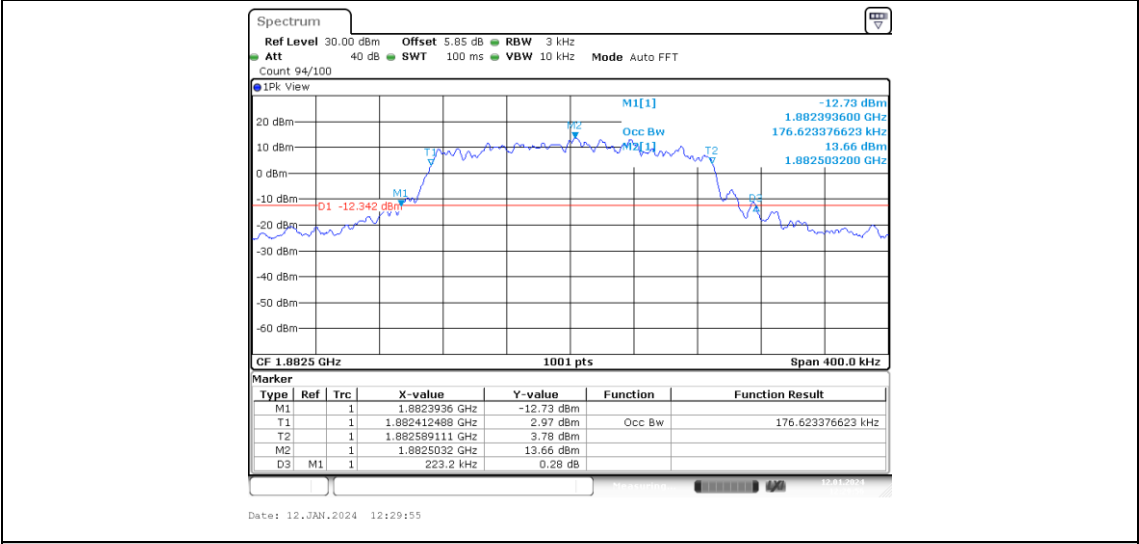


Band25-Stand-Alone-NaN-BPSK-26689-1@0-15kHz-0.124-0.112-PASS

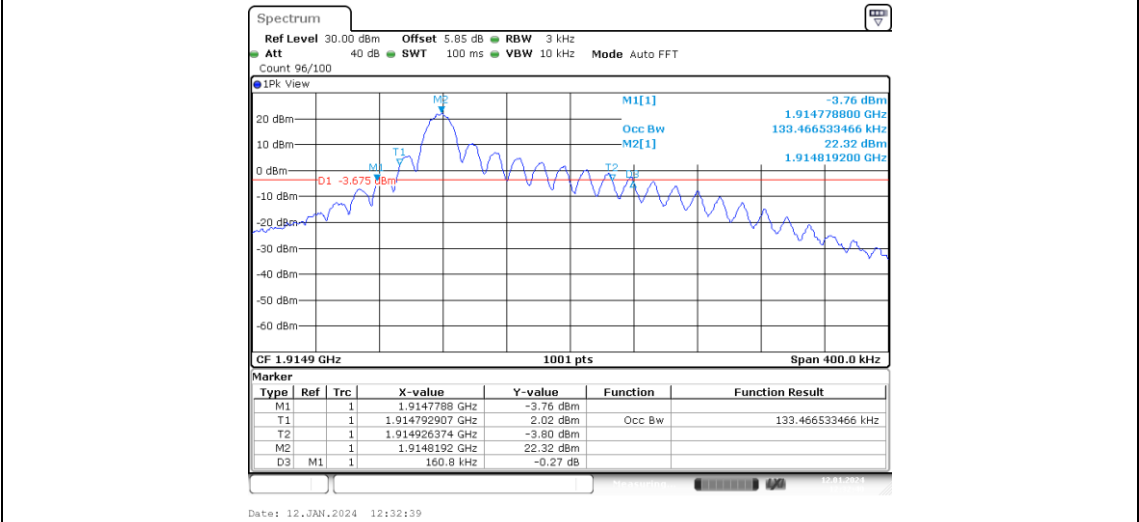




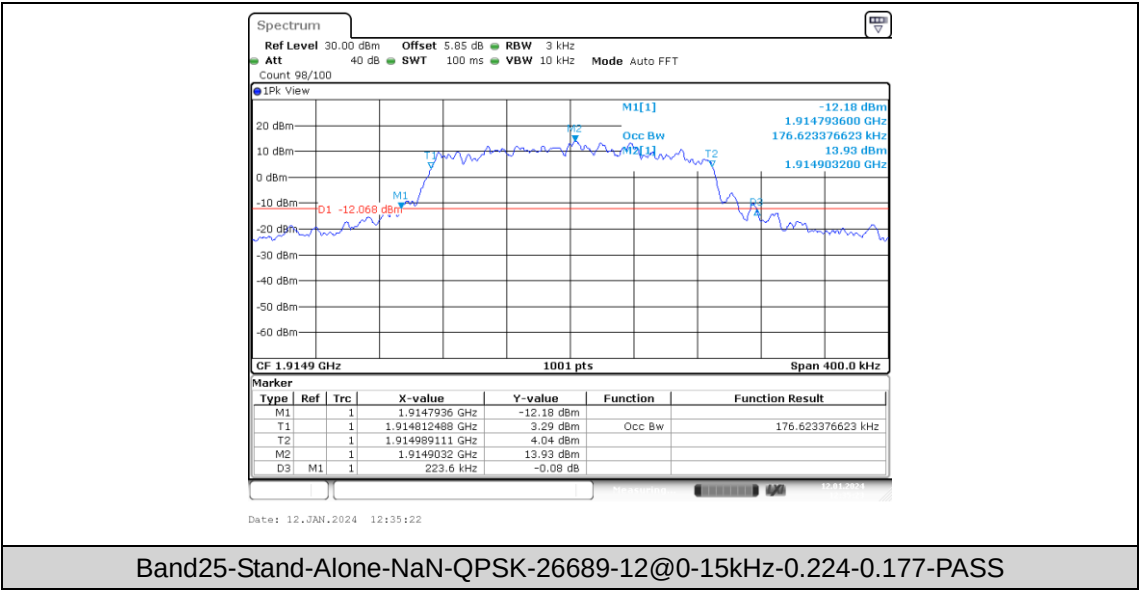
Band25-Stand-Alone-NaN-QPSK-26365-1@0-15kHz-0.161-0.133-PASS



Band25-Stand-Alone-NaN-QPSK-26365-12@0-15kHz-0.223-0.177-PASS



Band25-Stand-Alone-NaN-QPSK-26689-1@0-15kHz-0.161-0.133-PASS



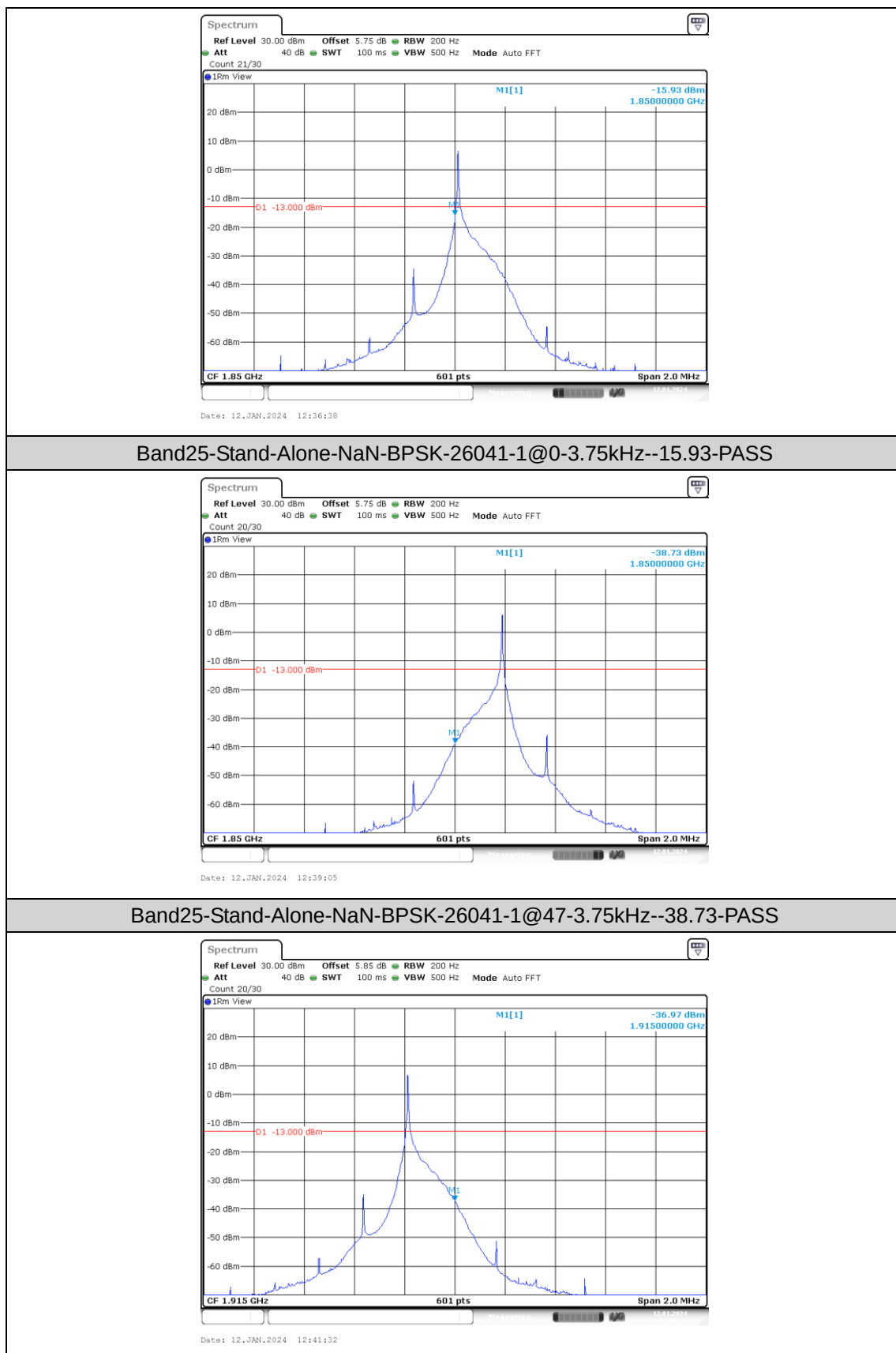
Appendix D: Band Edge for NB1

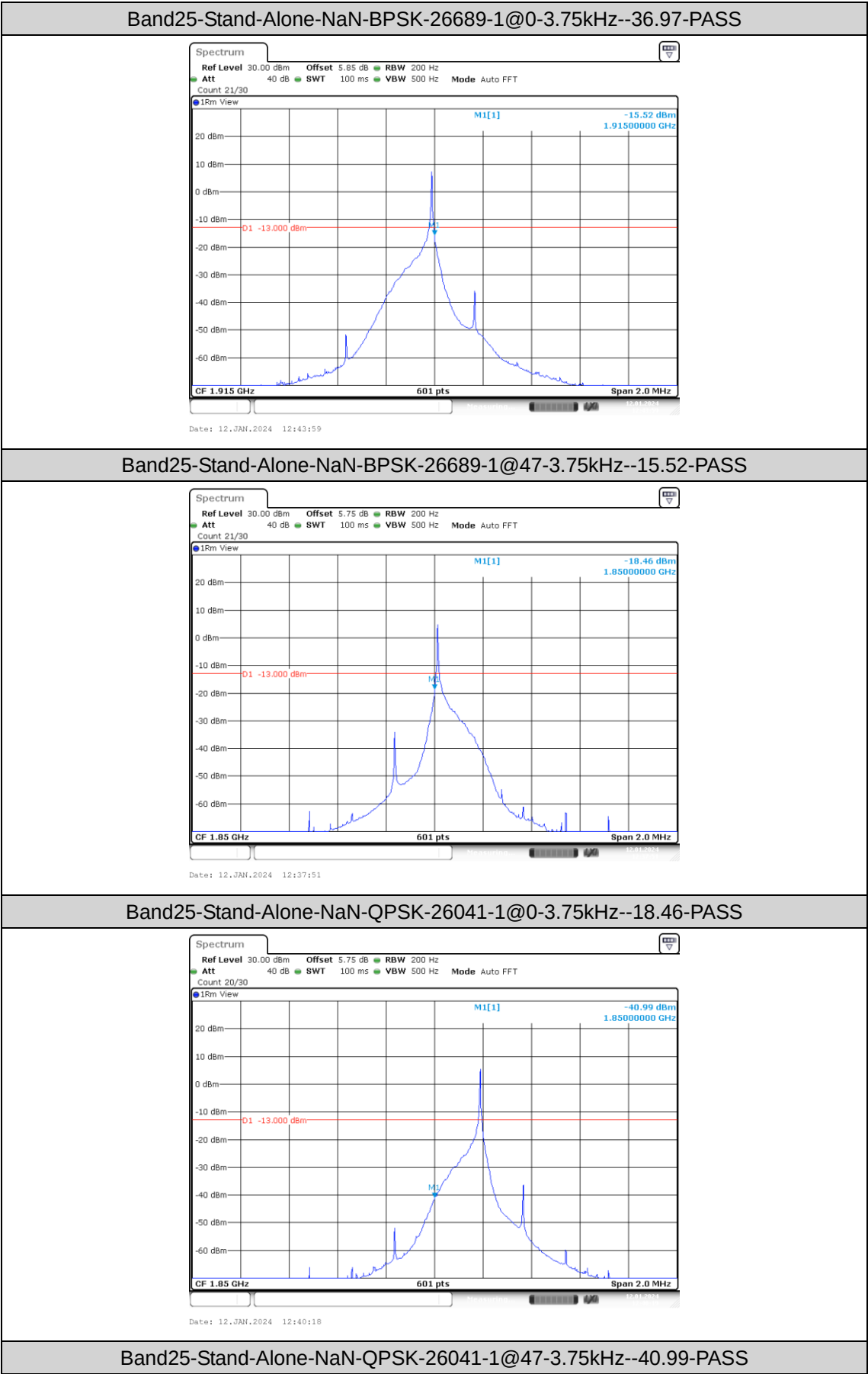
Test Result

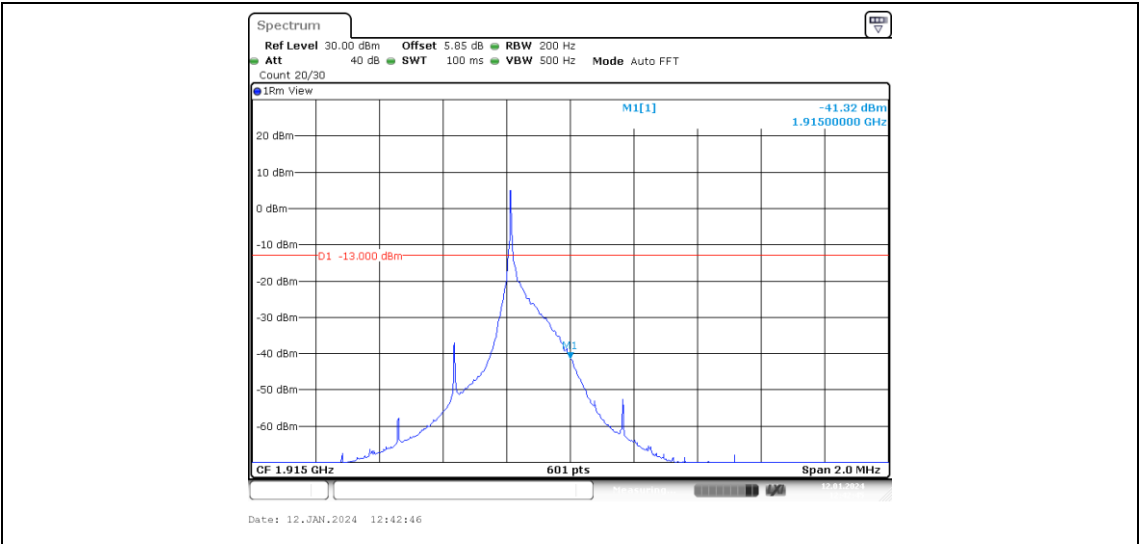
Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26041	1@0	-15.93	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26041	1@47	-38.73	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26689	1@0	-36.97	PASS
Band25	Stand-Alone	3.75kHz	NaN	BPSK	26689	1@47	-15.52	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@0	-18.46	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@47	-40.99	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26689	1@0	-41.32	PASS
Band25	Stand-Alone	3.75kHz	NaN	QPSK	26689	1@47	-17.18	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26041	1@0	-13.57	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26041	1@11	-45.45	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26041	12@0	-28.84	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26689	1@0	-44.44	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26689	1@11	-13.33	PASS
Band25	Stand-Alone	15kHz	NaN	BPSK	26689	12@0	-24.45	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26041	1@0	-17.73	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26041	1@11	-37.35	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26041	12@0	-30.9	PASS

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Band25	Stand-Alone	15kHz	NaN	QPSK	26689	1@0	-81.4 1	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26689	1@11	-17.0 8	PASS
Band25	Stand-Alone	15kHz	NaN	QPSK	26689	12@0	-25.1 6	PASS

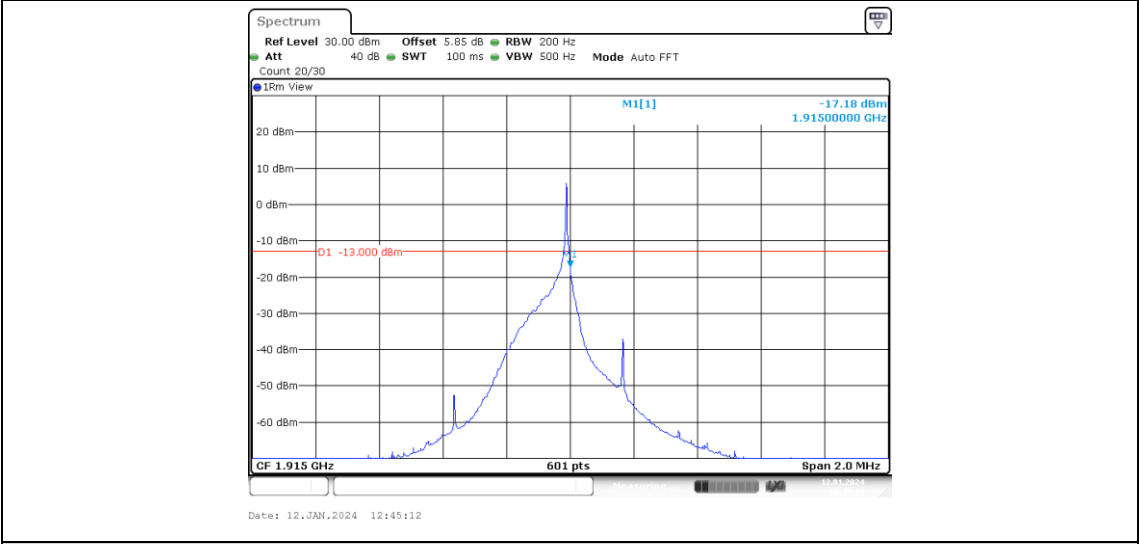
Test Graphs



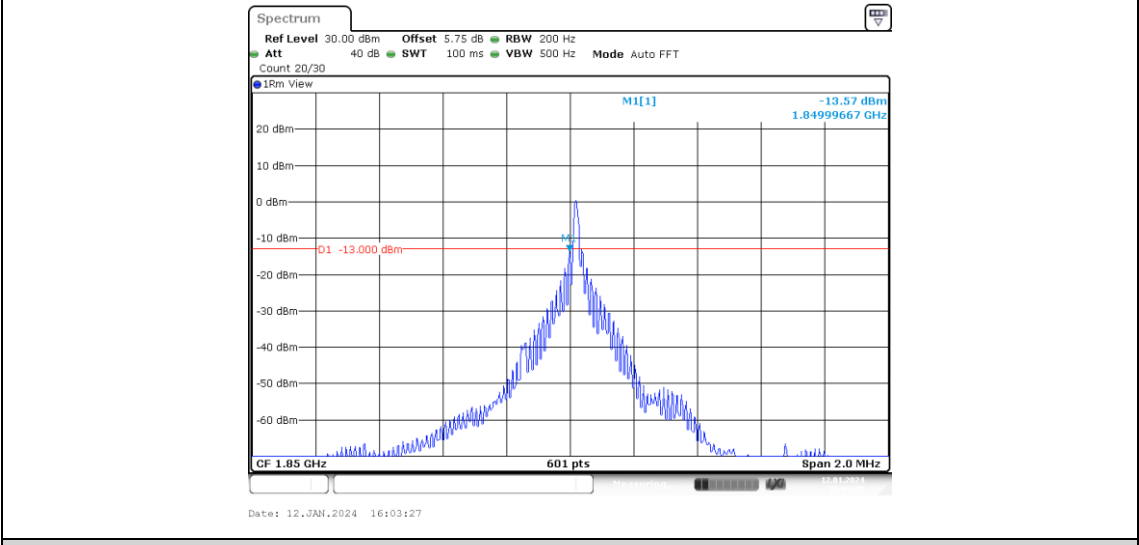




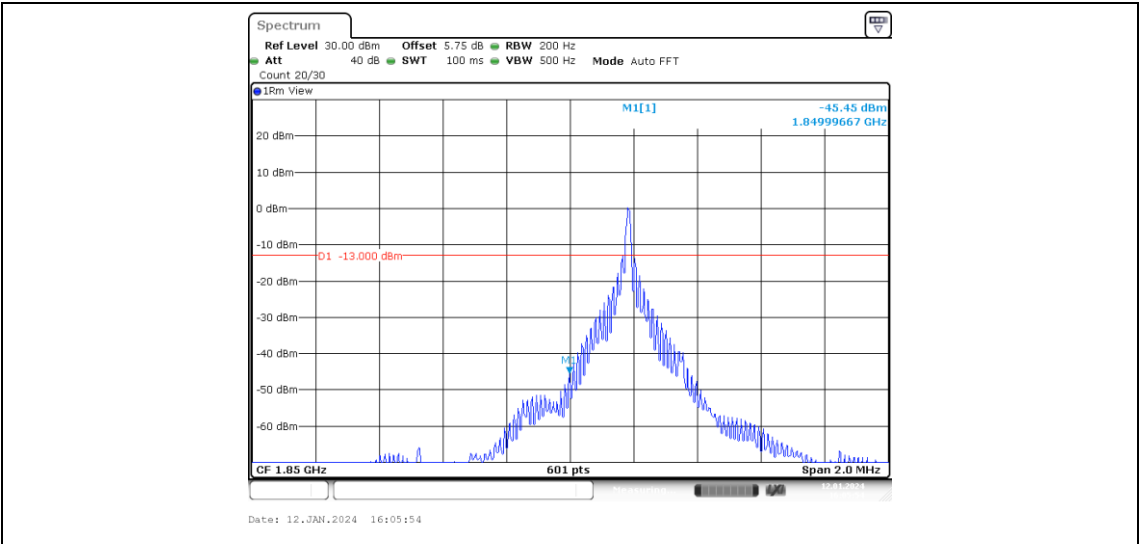
Band25-Stand-Alone-NaN-QPSK-26689-1@0-3.75kHz--41.32-PASS



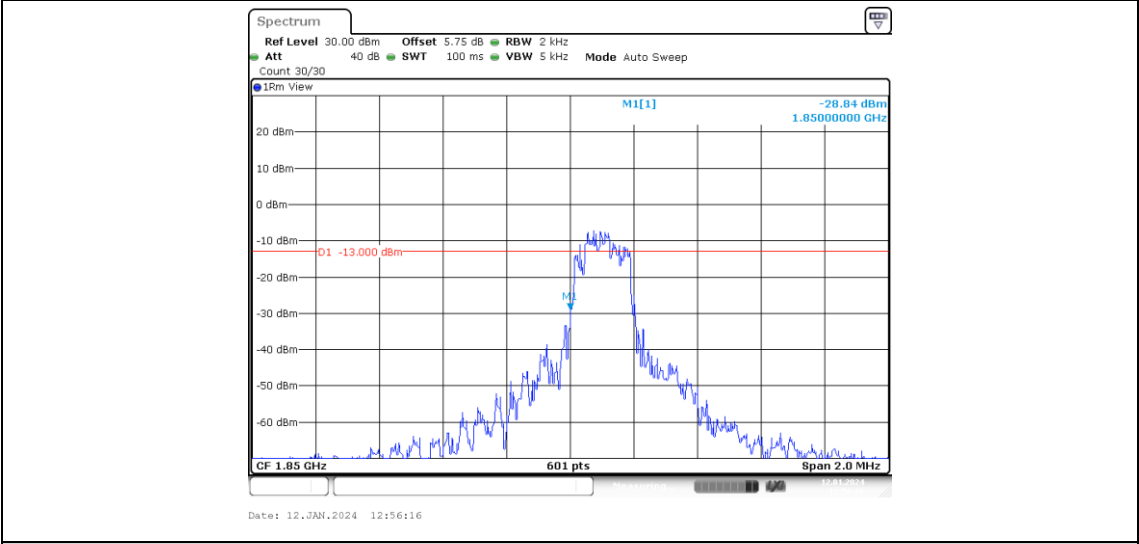
Band25-Stand-Alone-NaN-QPSK-26689-1@47-3.75kHz--17.18-PASS



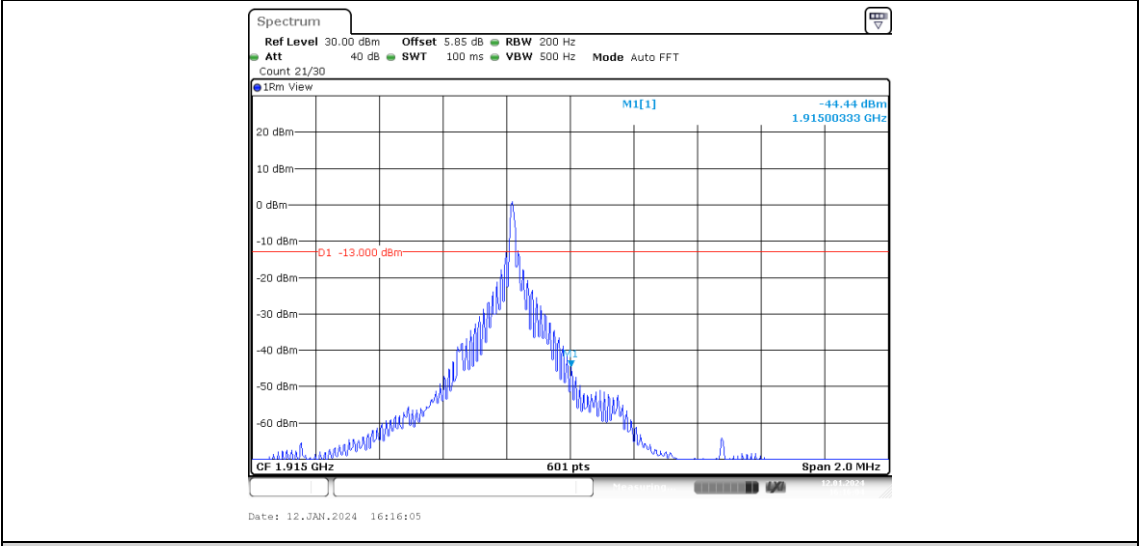
Band25-Stand-Alone-NaN-BPSK-26041-1@0-15kHz--13.57-PASS



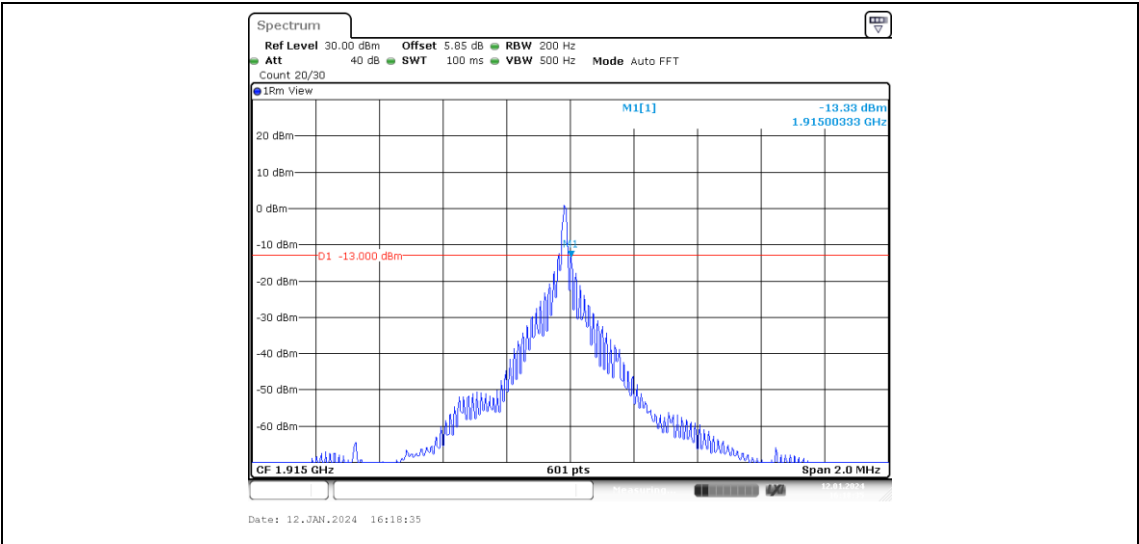
Band25-Stand-Alone-NaN-BPSK-26041-1@11-15kHz--45.45-PASS



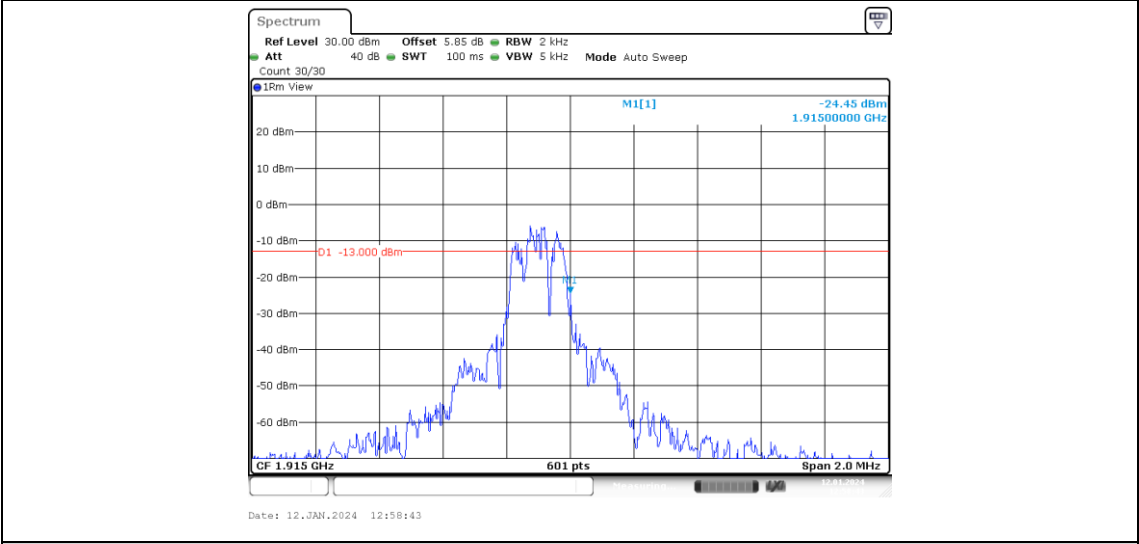
Band25-Stand-Alone-NaN-BPSK-26041-12@0-15kHz--28.84-PASS



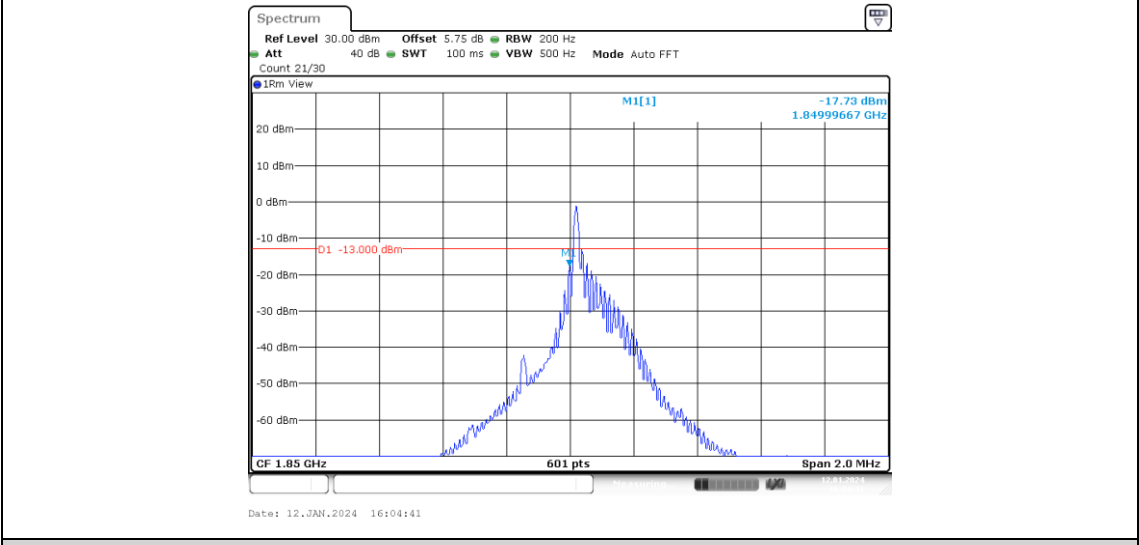
Band25-Stand-Alone-NaN-BPSK-26689-1@0-15kHz--44.44-PASS



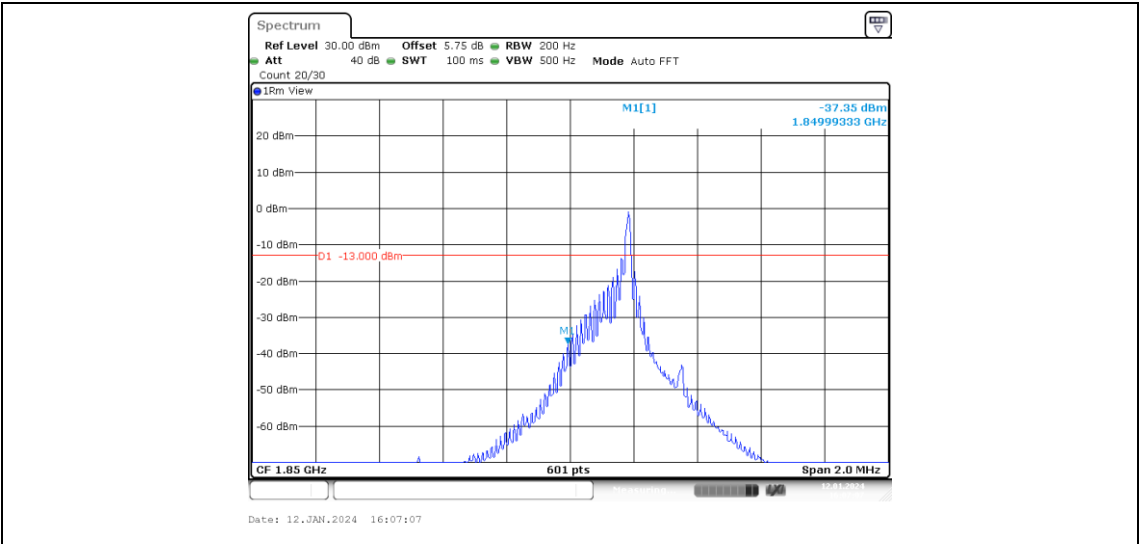
Band25-Stand-Alone-NaN-BPSK-26689-1@11-15kHz--13.33-PASS



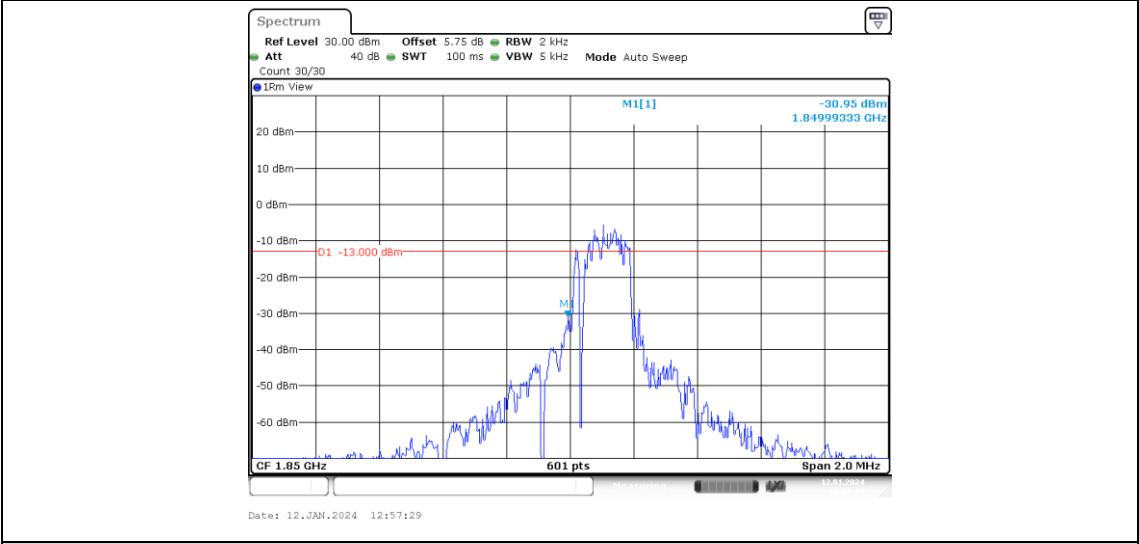
Band25-Stand-Alone-NaN-BPSK-26689-12@0-15kHz--24.45-PASS



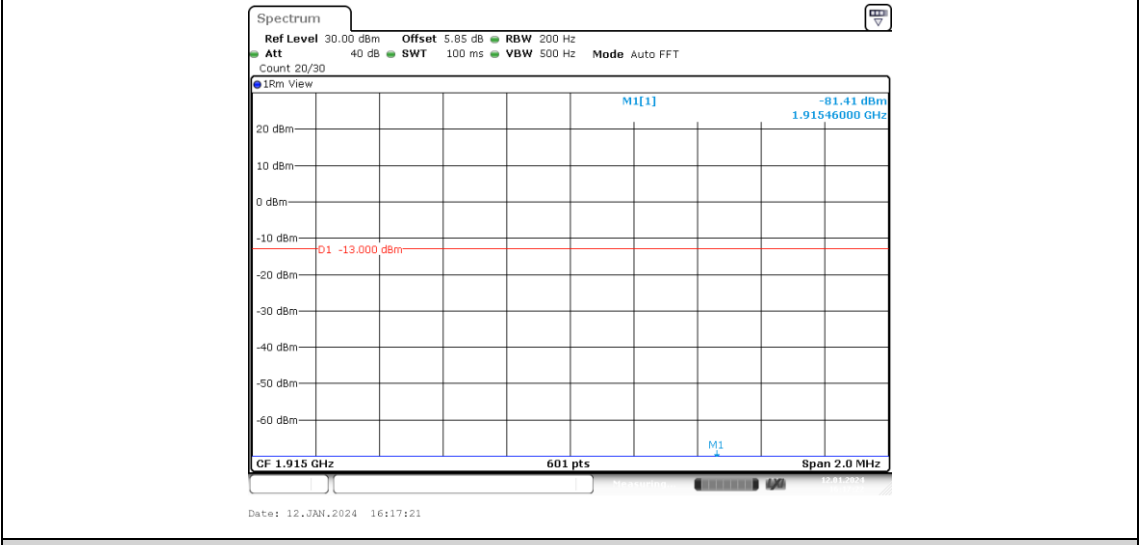
Band25-Stand-Alone-NaN-QPSK-26041-1@0-15kHz--17.73-PASS



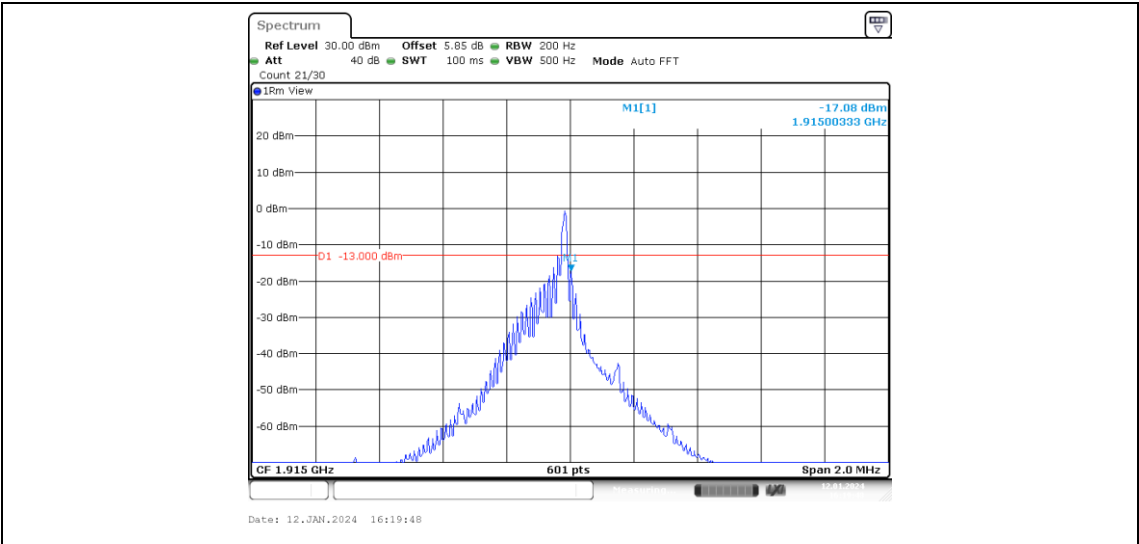
Band25-Stand-Alone-NaN-QPSK-26041-1@11-15kHz--37.35-PASS



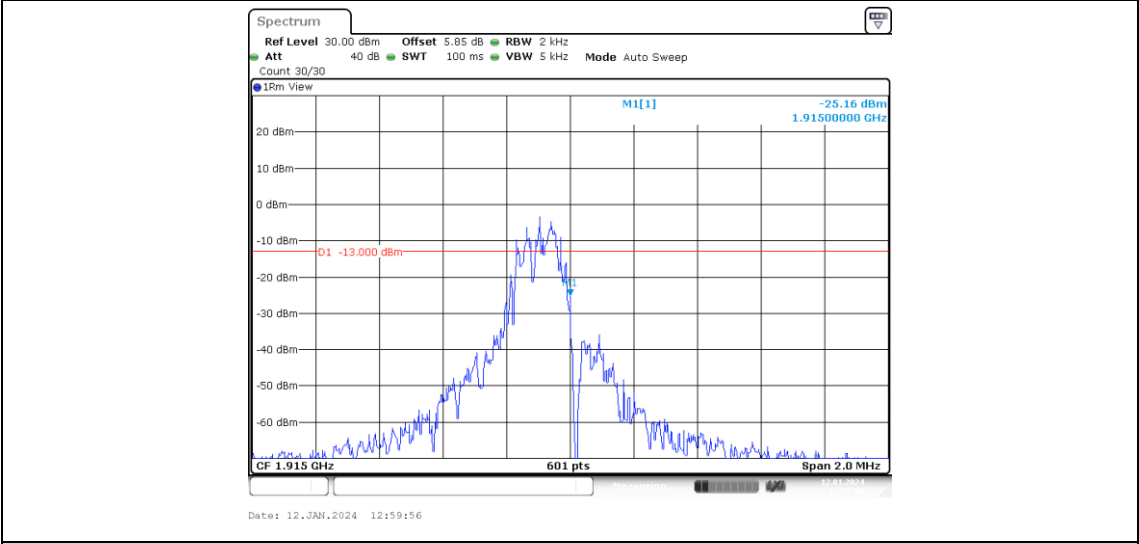
Band25-Stand-Alone-NaN-QPSK-26041-12@0-15kHz--30.95-PASS



Band25-Stand-Alone-NaN-QPSK-26689-1@0-15kHz--81.41-PASS



Band25-Stand-Alone-NaN-QPSK-26689-1@11-15kHz--17.08-PASS



Band25-Stand-Alone-NaN-QPSK-26689-12@0-15kHz--25.16-PASS

Appendix E: Conducted Spurious Emission for NB1

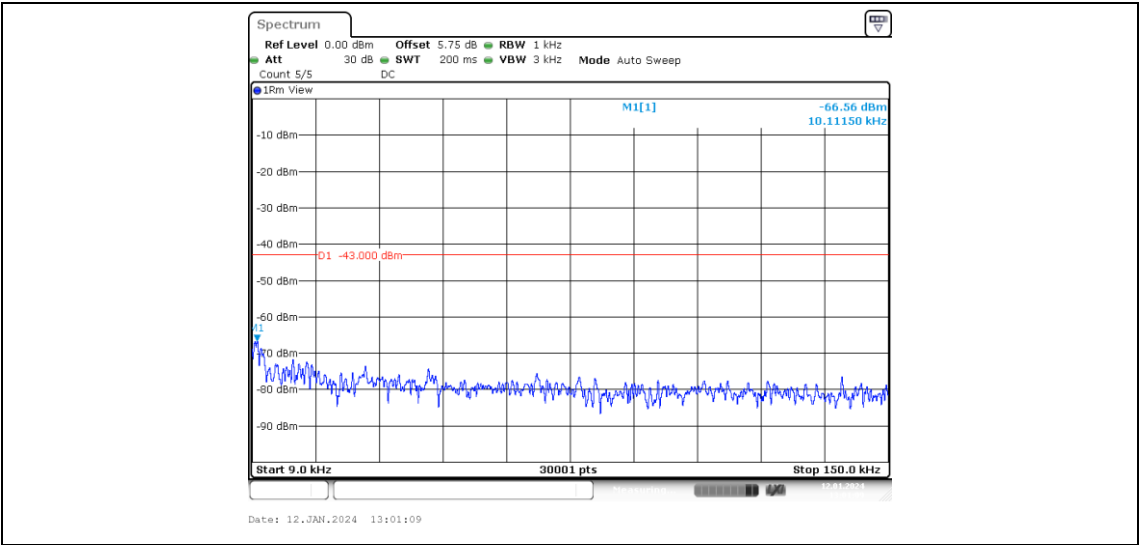
Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	Freq Start [MHz]	Freq Stop [MHz]	Result (dBm)	Limit (dBm)	Verdict
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@0	0.009	0.15	-66.56	-43	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@0	0.15	30	-74.7	-33	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@0	30	1000	-55	-13	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@0	1000	2000 0	-41.24	-13	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@47	0.009	0.15	-62.84	-43	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@47	0.15	30	-74.09	-33	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@47	30	1000	-55	-13	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26041	1@47	1000	2000 0	-43.86	-13	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@0	0.009	0.15	-63.98	-43	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@0	0.15	30	-74.27	-33	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@0	30	1000	-54.94	-13	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@0	1000	2000 0	-42.46	-13	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@47	0.009	0.15	-63.84	-43	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@47	0.15	30	-76.51	-33	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@47	30	1000	-54.83	-13	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26365	1@47	1000	2000 0	-41.77	-13	PASS
Band2 5	Stand-Alone	3.75kHz	NaN	QPSK	26689	1@0	0.009	0.15	-62.05	-43	PASS

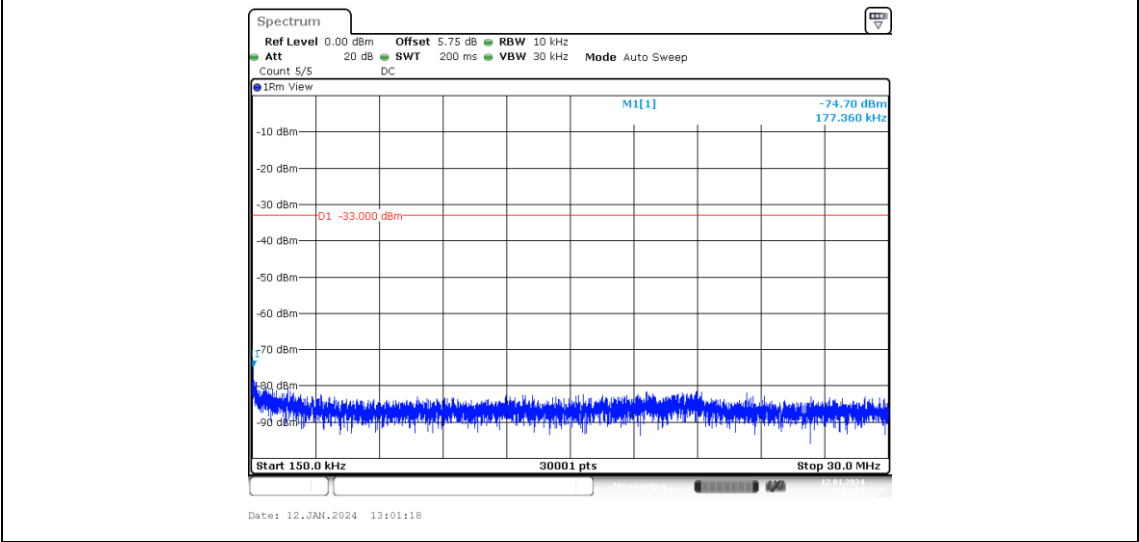
Band2 5	Stand-Alon e	3.75kHz	NaN	QPSK	26689	1@0	0.15	30	-76	-33	PASS
Band2 5	Stand-Alon e	3.75kHz	NaN	QPSK	26689	1@0	30	1000	-54.86	-13	PASS
Band2 5	Stand-Alon e	3.75kHz	NaN	QPSK	26689	1@0	1000	2000 0	-42.98	-13	PASS
Band2 5	Stand-Alon e	3.75kHz	NaN	QPSK	26689	1@47	0.009	0.15	-62.68	-43	PASS
Band2 5	Stand-Alon e	3.75kHz	NaN	QPSK	26689	1@47	0.15	30	-77.38	-33	PASS
Band2 5	Stand-Alon e	3.75kHz	NaN	QPSK	26689	1@47	30	1000	-54.89	-13	PASS
Band2 5	Stand-Alon e	3.75kHz	NaN	QPSK	26689	1@47	1000	2000 0	-41.63	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26041	1@0	0.009	0.15	-70.23	-43	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26041	1@0	0.15	30	-70.78	-33	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26041	1@0	30	1000	-55.06	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26041	1@0	1000	2000 0	-42.39	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26041	1@11	0.009	0.15	-68.33	-43	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26041	1@11	0.15	30	-74.74	-33	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26041	1@11	30	1000	-55.03	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26041	1@11	1000	2000 0	-43.12	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26365	1@0	0.009	0.15	-68.65	-43	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26365	1@0	0.15	30	-76.38	-33	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26365	1@0	30	1000	-54.83	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26365	1@0	1000	2000 0	-44.17	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26365	1@11	0.009	0.15	-68.28	-43	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26365	1@11	0.15	30	-71.63	-33	PASS
Band2	Stand-Alon	15kHz	NaN	BPSK	26365	1@11	30	1000	-54.87	-13	PASS

5	e										
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26365	1@11	1000	2000 0	-44.3	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26689	1@0	0.009	0.15	-69.16	-43	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26689	1@0	0.15	30	-75.48	-33	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26689	1@0	30	1000	-54.9	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26689	1@0	1000	2000 0	-42.93	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26689	1@11	0.009	0.15	-68.88	-43	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26689	1@11	0.15	30	-76.8	-33	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26689	1@11	30	1000	-54.9	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	BPSK	26689	1@11	1000	2000 0	-44.1	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26041	12@0	0.009	0.15	-65.14	-43	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26041	12@0	0.15	30	-77.07	-33	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26041	12@0	30	1000	-54.98	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26041	12@0	1000	2000 0	-47.44	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26365	12@0	0.009	0.15	-66.16	-43	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26365	12@0	0.15	30	-76.69	-33	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26365	12@0	30	1000	-54.94	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26365	12@0	1000	2000 0	-47.57	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26689	12@0	0.009	0.15	-64.19	-43	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26689	12@0	0.15	30	-76.95	-33	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26689	12@0	30	1000	-54.97	-13	PASS
Band2 5	Stand-Alon e	15kHz	NaN	QPSK	26689	12@0	1000	2000 0	-47.4	-13	PASS

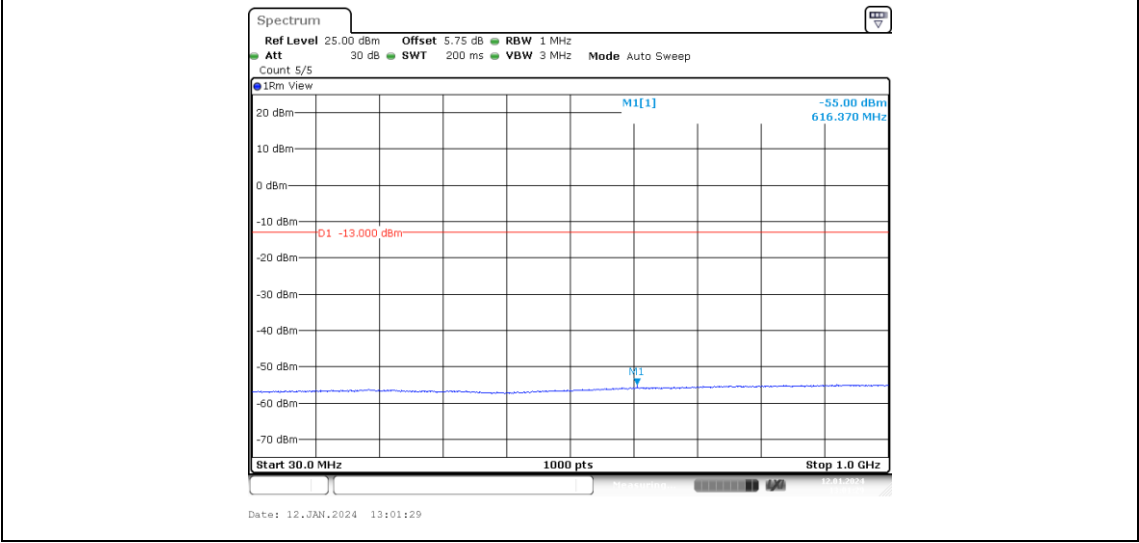
Test Graphs

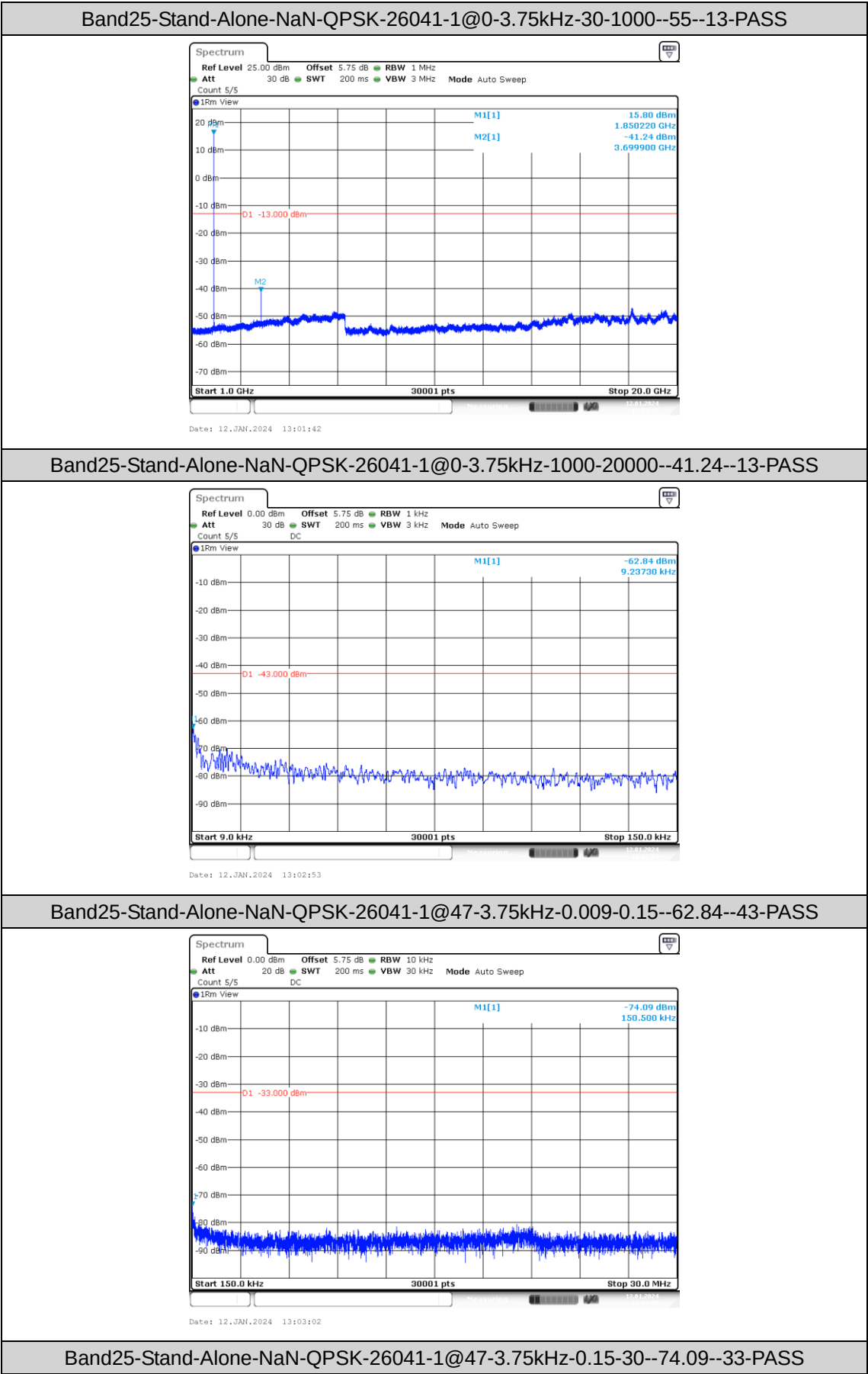


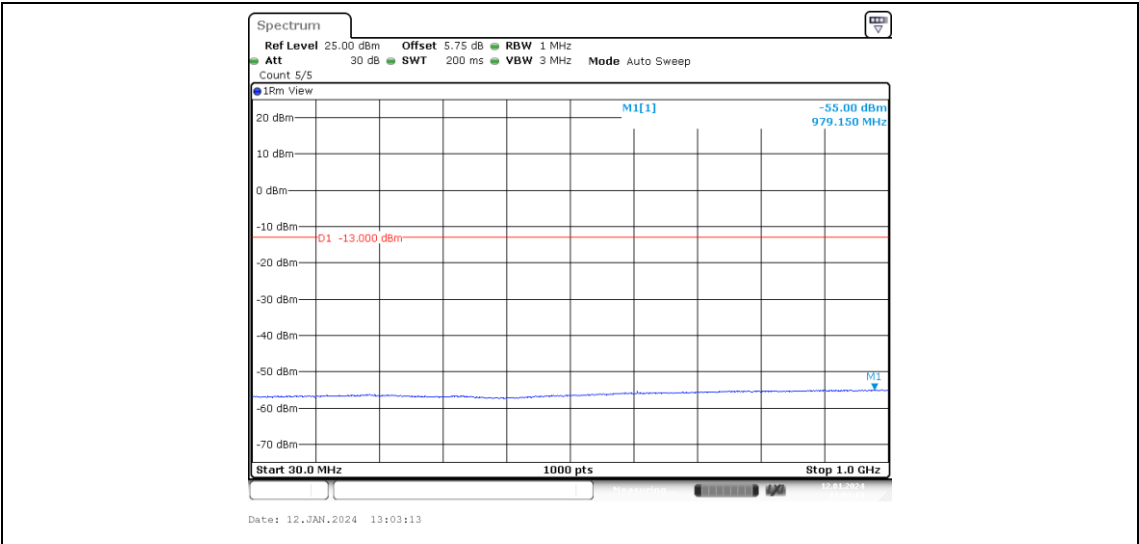
Band25-Stand-Alone-NaN-QPSK-26041-1@0-3.75kHz-0.009-0.15--66.56--43-PASS



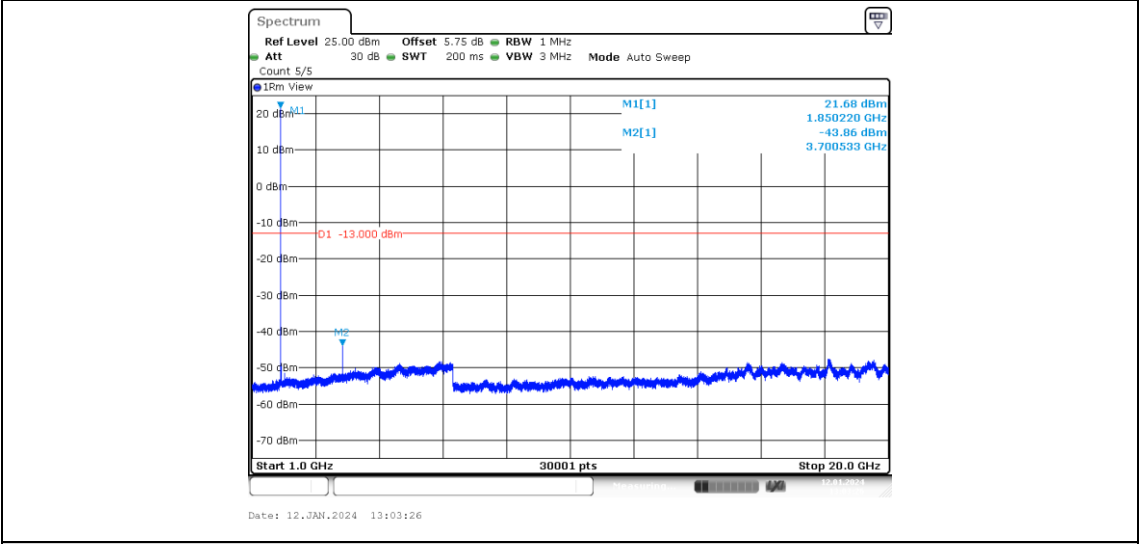
Band25-Stand-Alone-NaN-QPSK-26041-1@0-3.75kHz-0.15-30--74.7--33-PASS



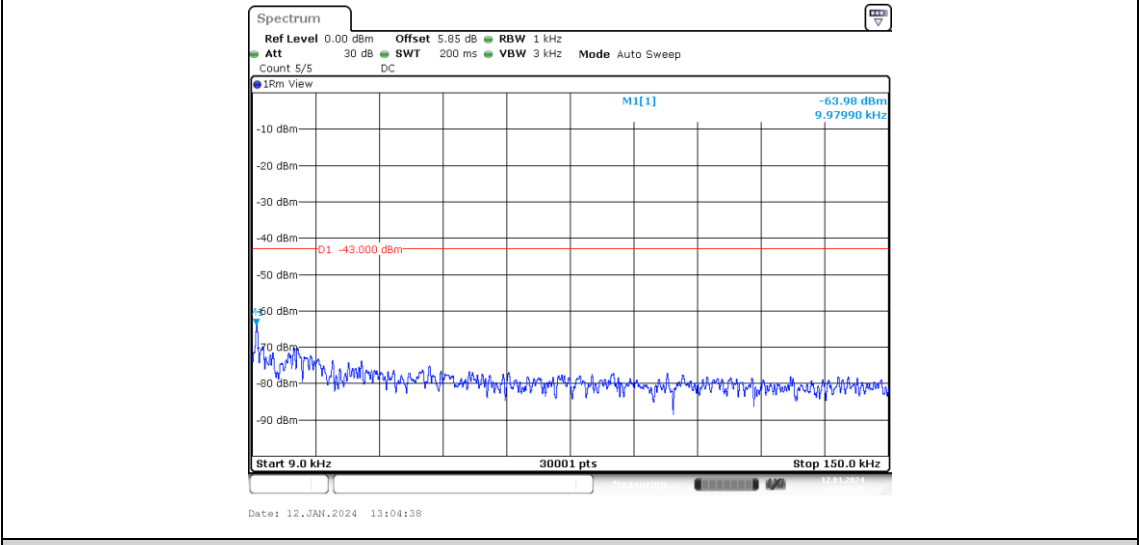




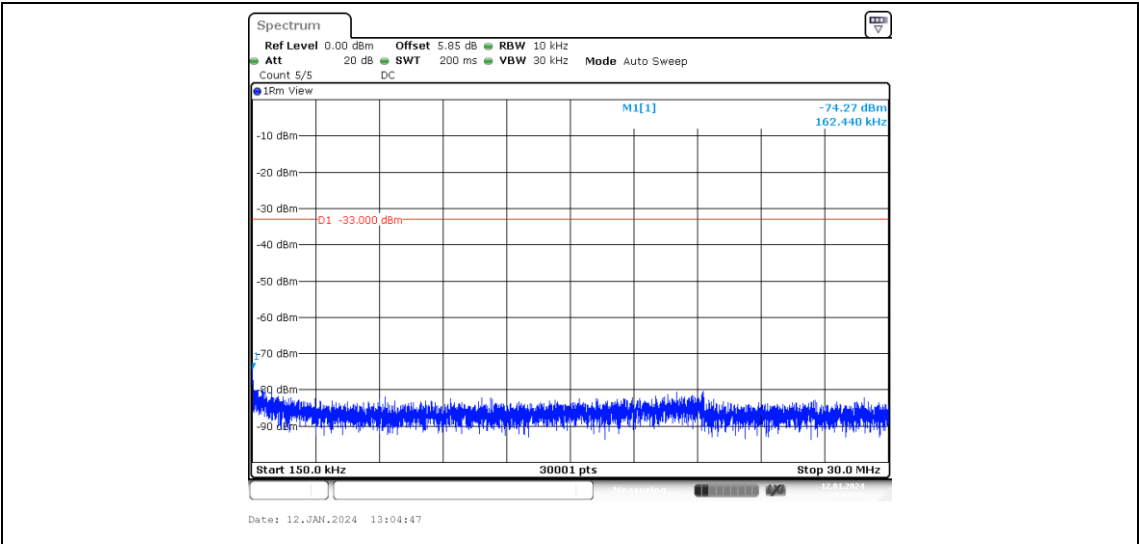
Band25-Stand-Alone-NaN-QPSK-26041-1@47-3.75kHz-30-1000--55--13-PASS



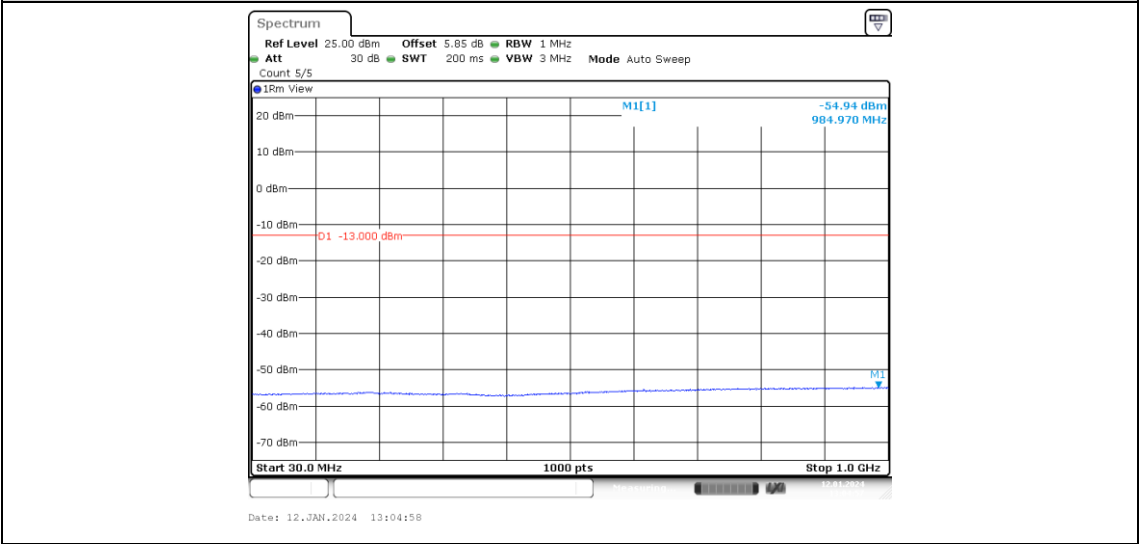
Band25-Stand-Alone-NaN-QPSK-26041-1@47-3.75kHz-1000-20000--43.86--13-PASS



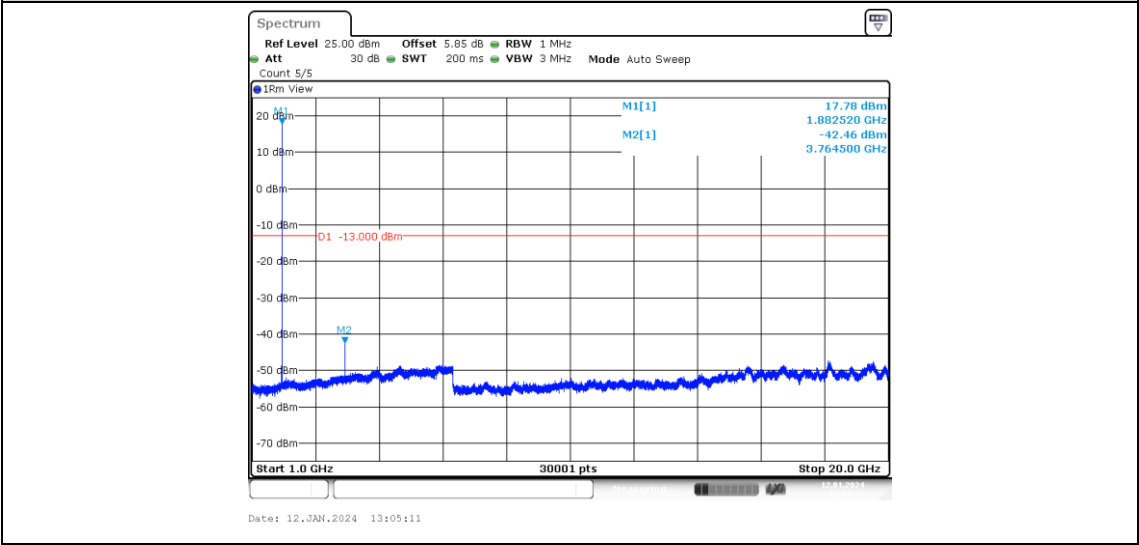
Band25-Stand-Alone-NaN-QPSK-26365-1@0-3.75kHz-0.009-0.15--63.98--43-PASS



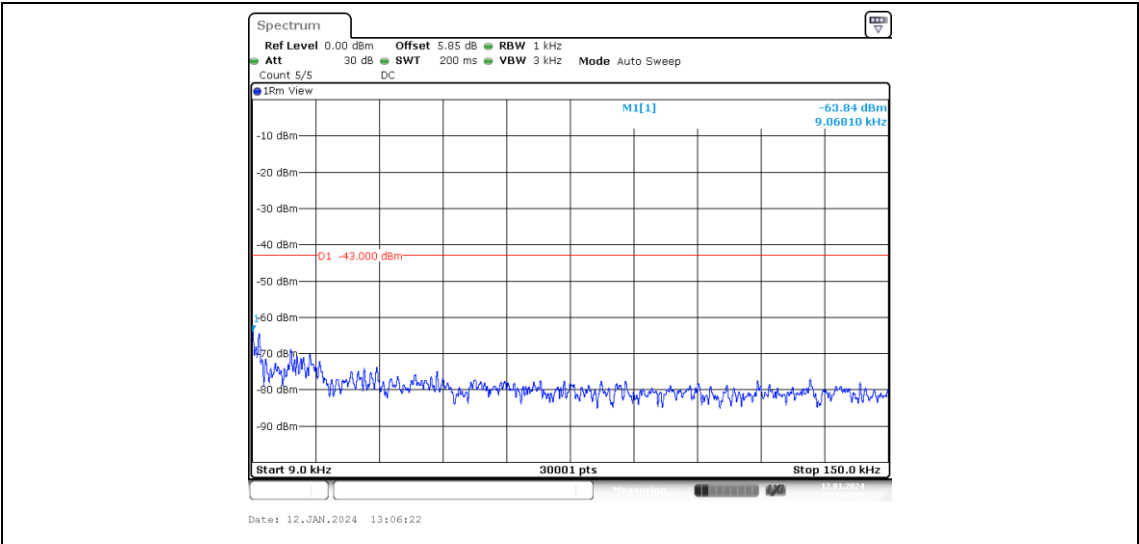
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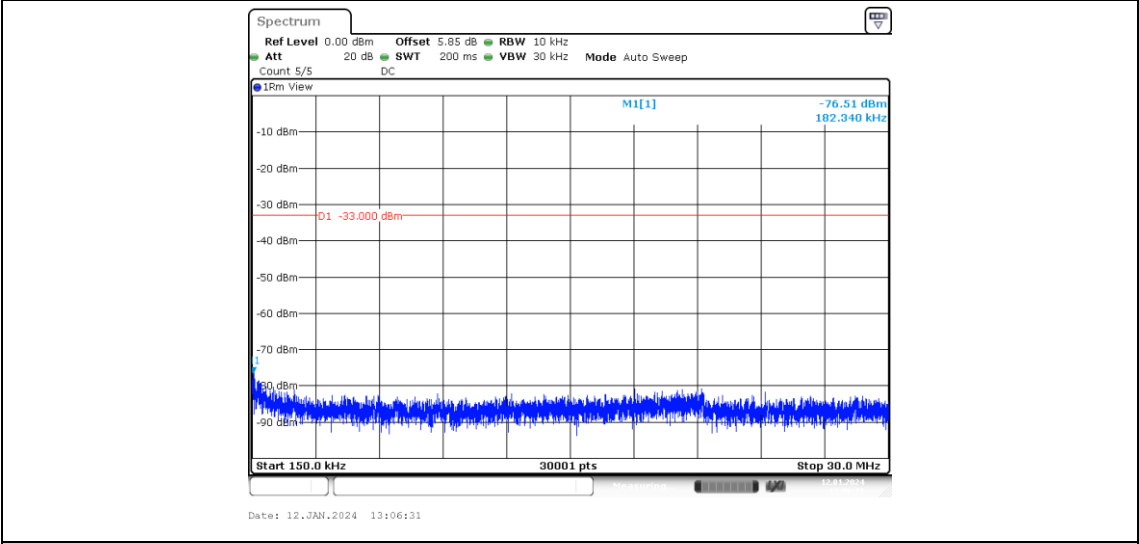
Band25-Stand-Alone-NaN-QPSK-26365-1@0-3.75kHz-30-1000--54.94--13-PASS



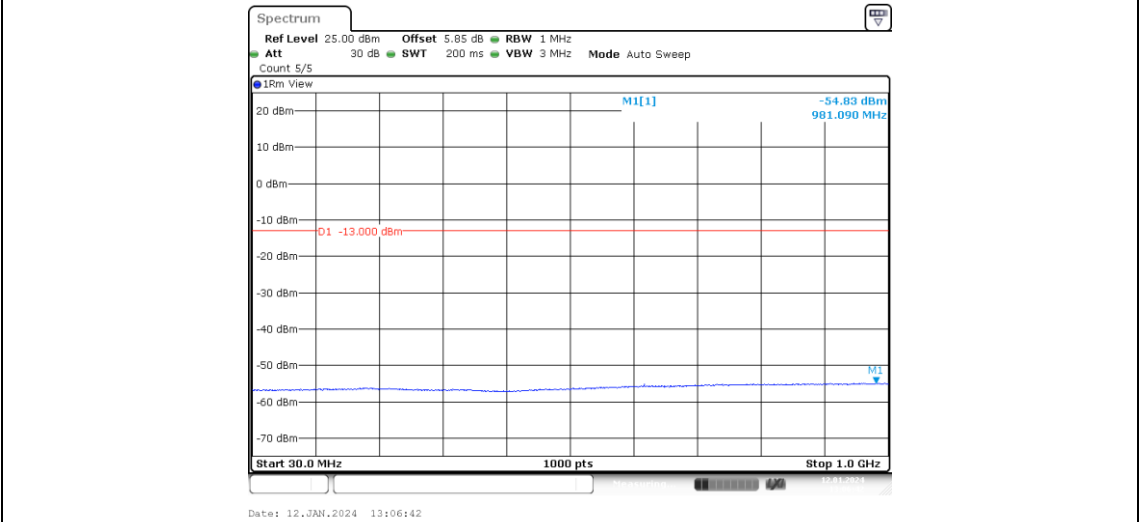
Band25-Stand-Alone-NaN-QPSK-26365-1@0-3.75kHz-1000-20000--42.46--13-PASS



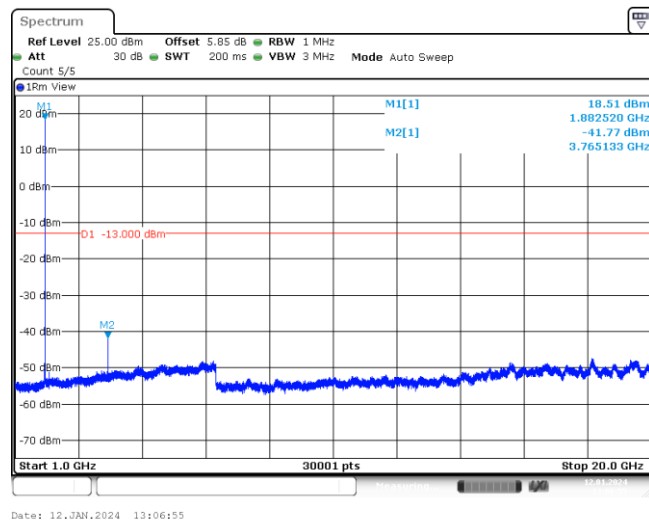
Band25-Stand-Alone-NaN-QPSK-26365-1@47-3.75kHz-0.009-0.15--63.84--43-PASS



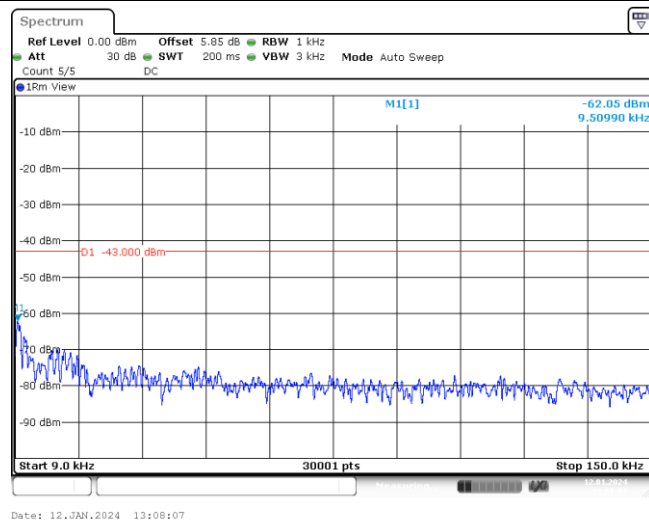
Band25-Stand-Alone-NaN-QPSK-26365-1@47-3.75kHz-0.15-30--76.51--33-PASS



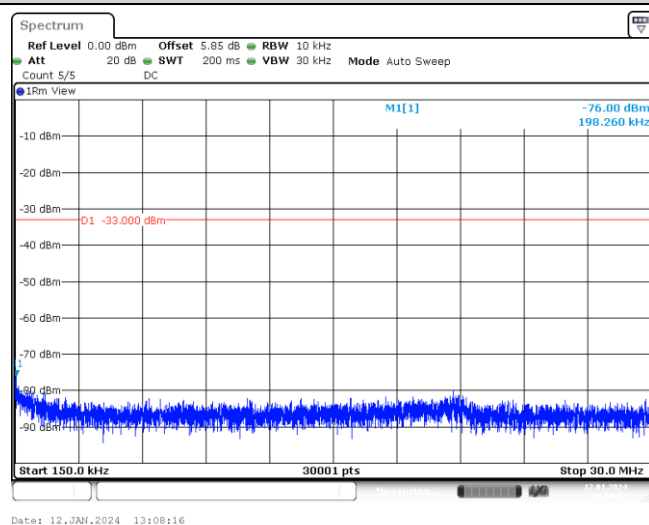
Band25-Stand-Alone-NaN-QPSK-26365-1@47-3.75kHz-30-1000--54.83--13-PASS



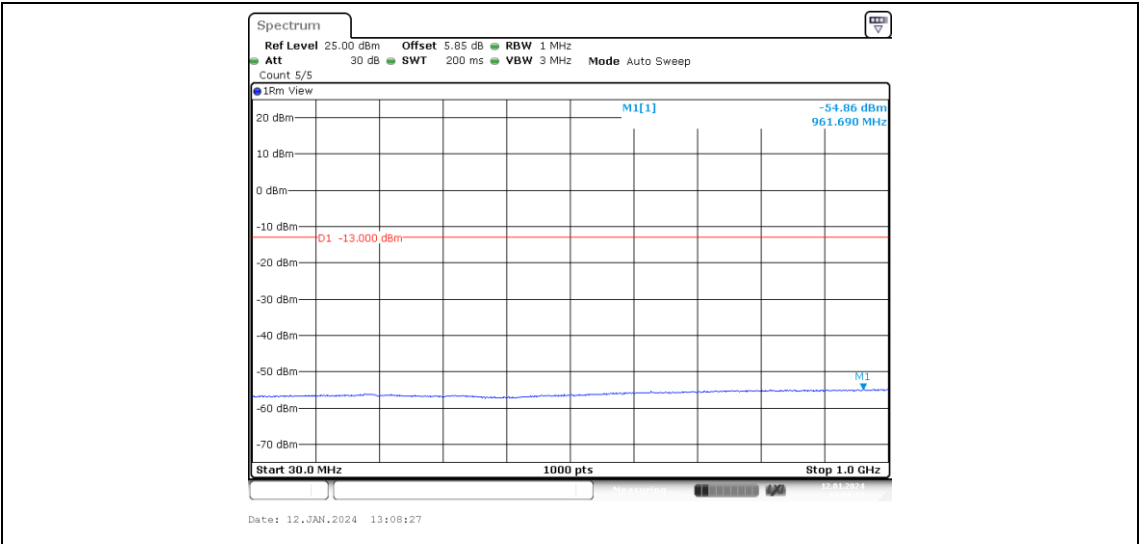
Band25-Stand-Alone-NaN-QPSK-26365-1@47-3.75kHz-1000-20000--41.77--13-PASS



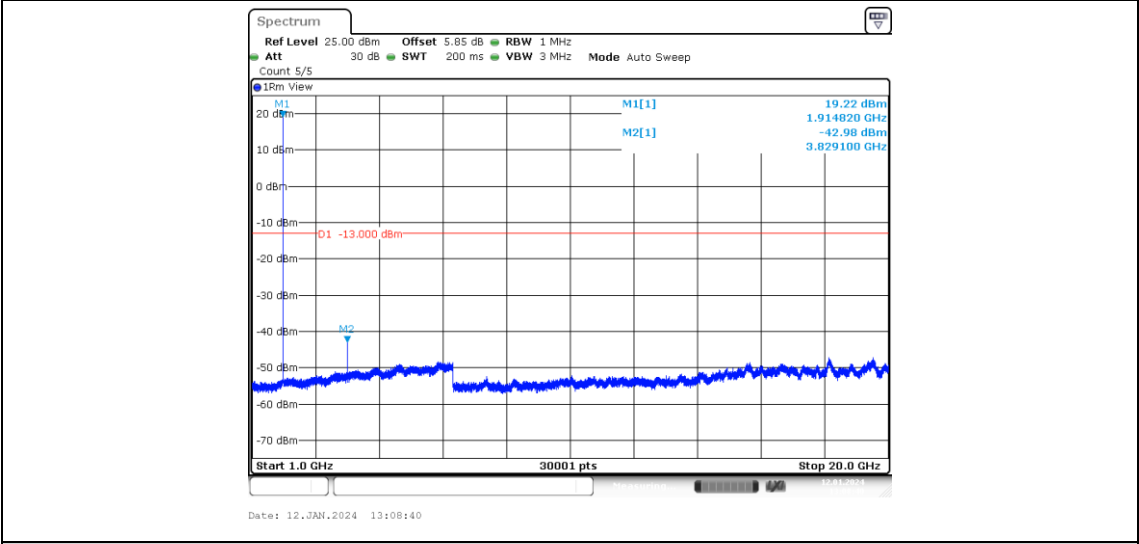
Band25-Stand-Alone-NaN-QPSK-26689-1@0-3.75kHz-0.009-0.15--62.05--43-PASS



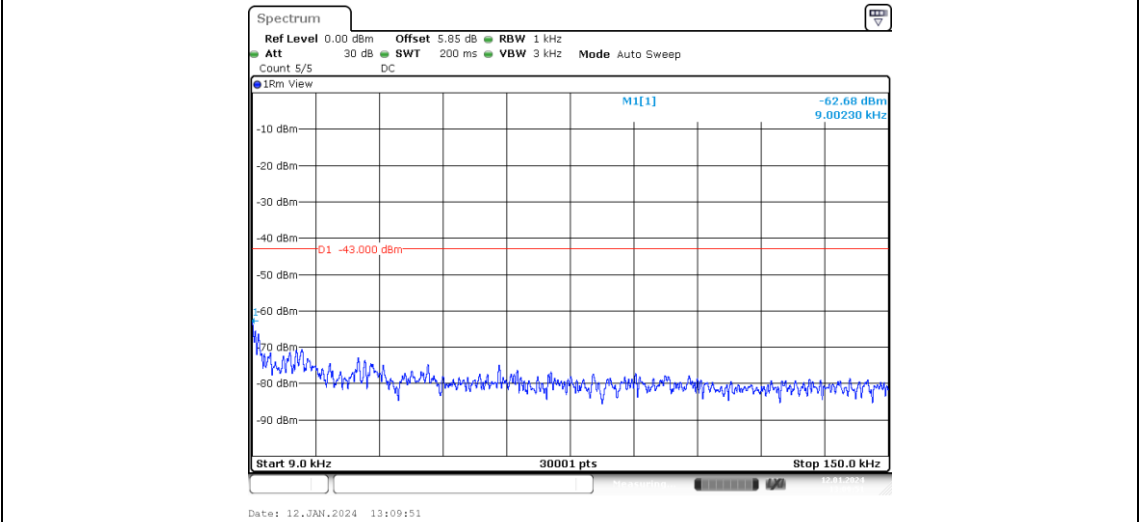
Band25-Stand-Alone-NaN-QPSK-26689-1@0-3.75kHz-0.15-30--76--33-PASS



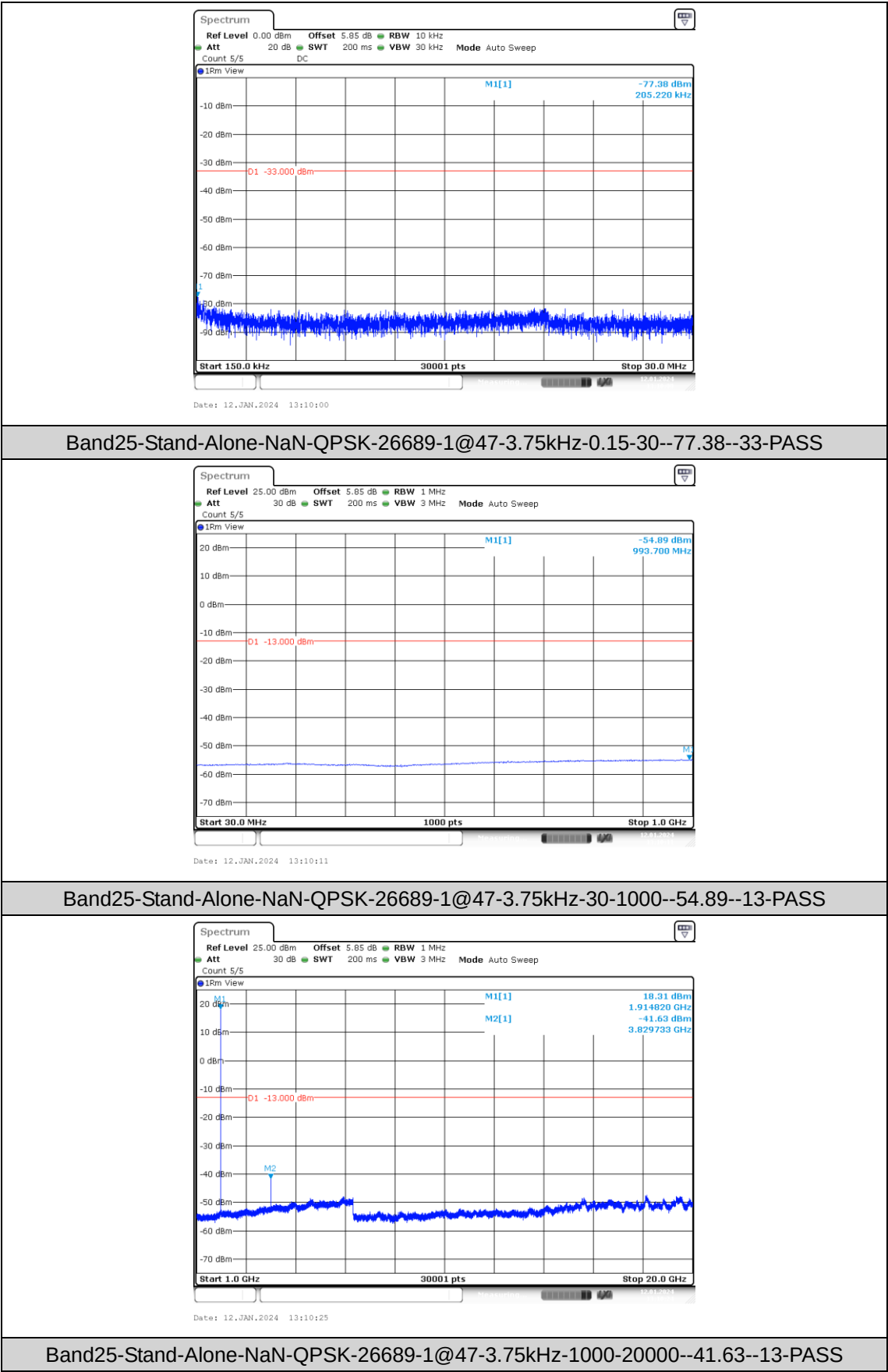
Band25-Stand-Alone-NaN-QPSK-26689-1@0-3.75kHz-30-1000--54.86--13-PASS

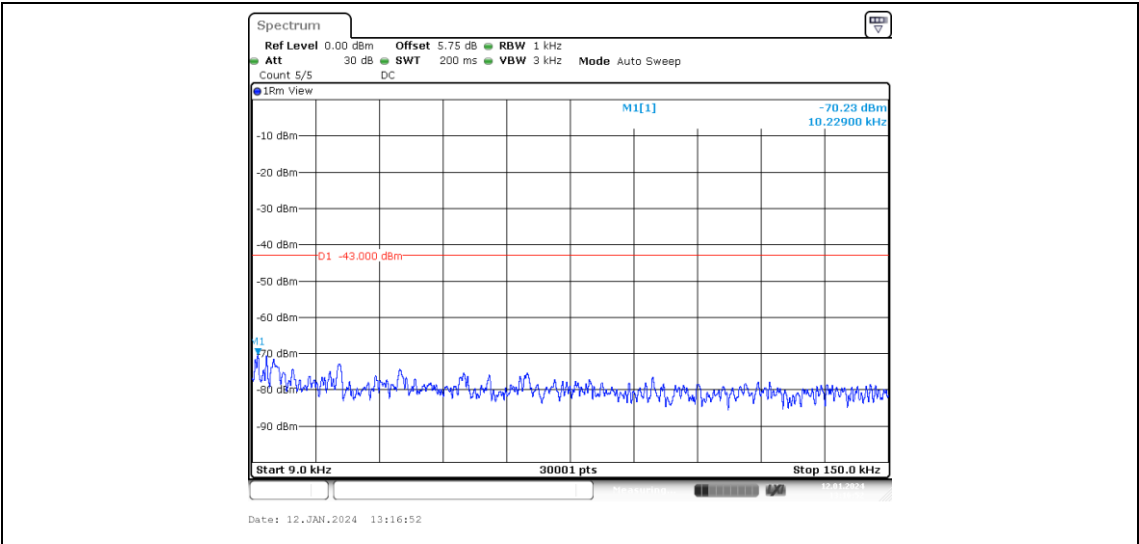


Band25-Stand-Alone-NaN-QPSK-26689-1@0-3.75kHz-1000-20000--42.98--13-PASS

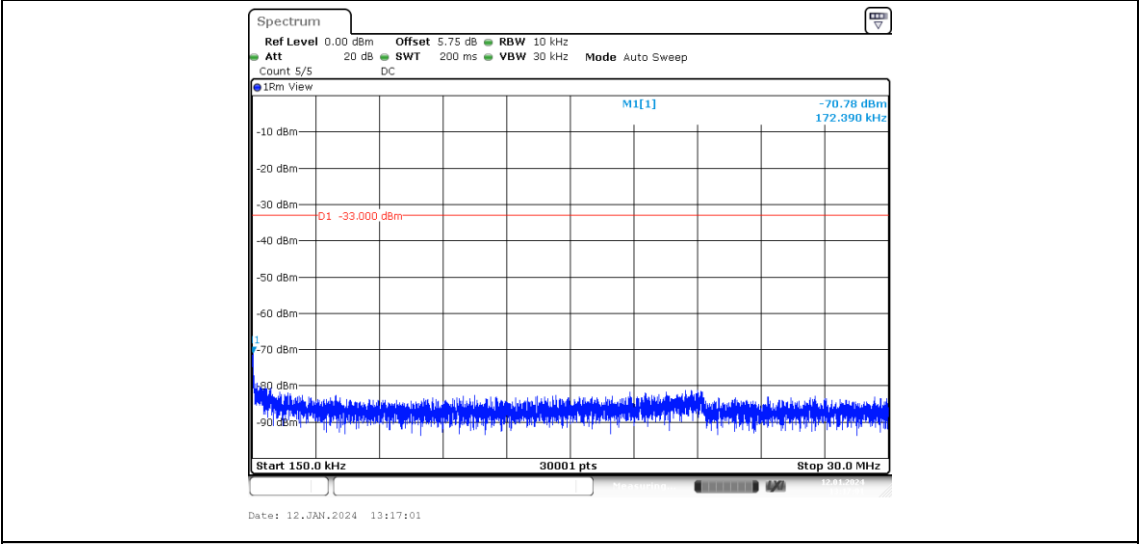


Band25-Stand-Alone-NaN-QPSK-26689-1@47-3.75kHz-0.009-0.15--62.68--43-PASS

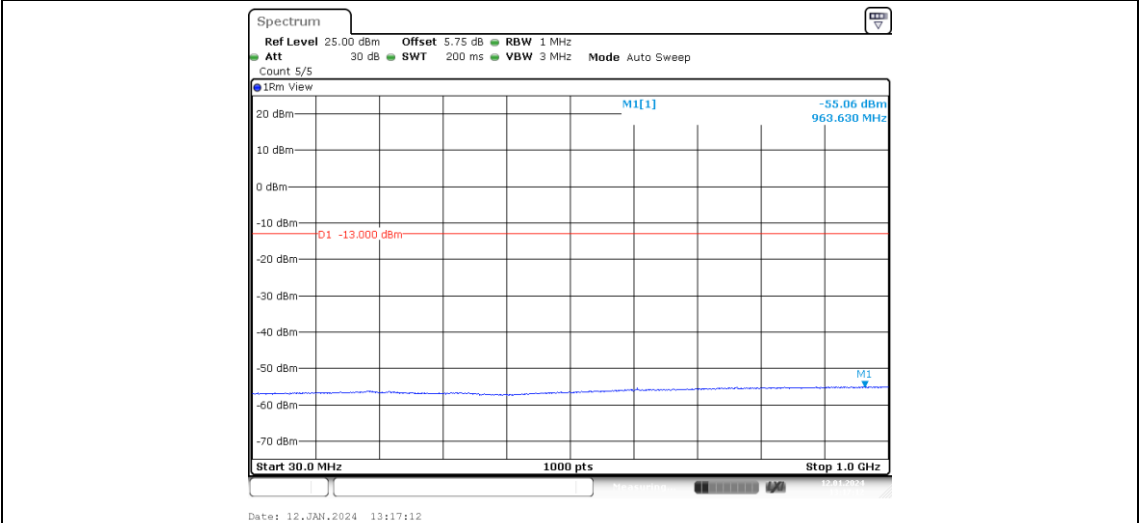




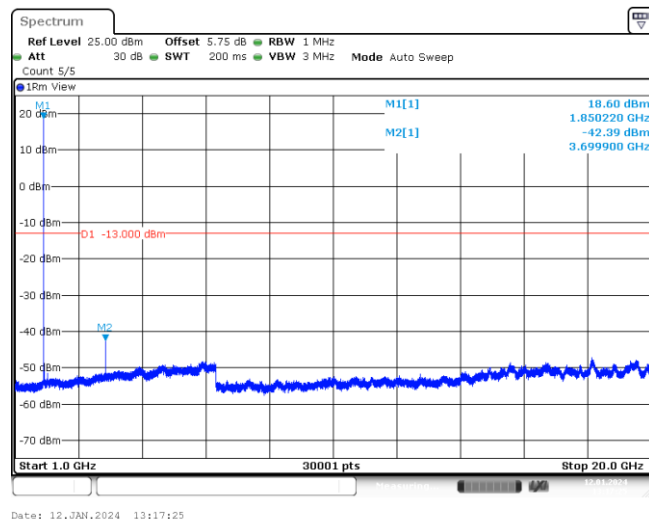
Band25-Stand-Alone-NaN-BPSK-26041-1@0-15kHz-0.009-0.15--70.23--43-PASS



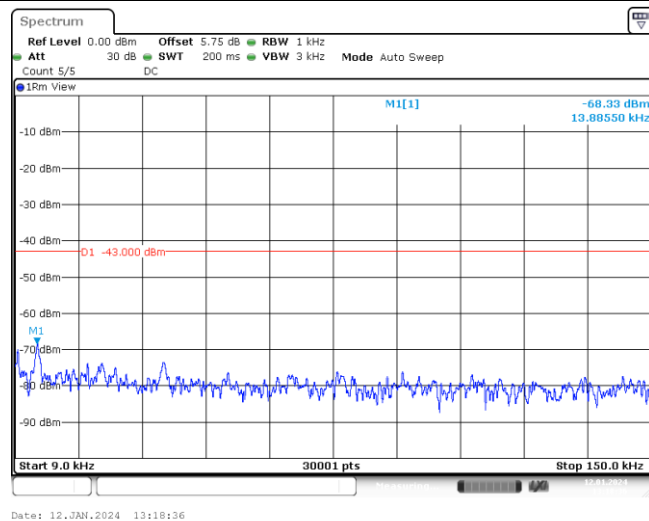
Band25-Stand-Alone-NaN-BPSK-26041-1@0-15kHz-0.15-30--70.78--33-PASS



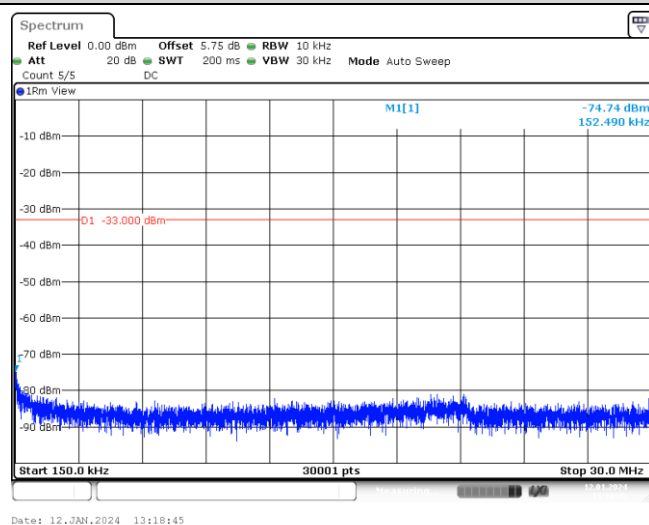
Band25-Stand-Alone-NaN-BPSK-26041-1@0-15kHz-30-1000--55.06--13-PASS



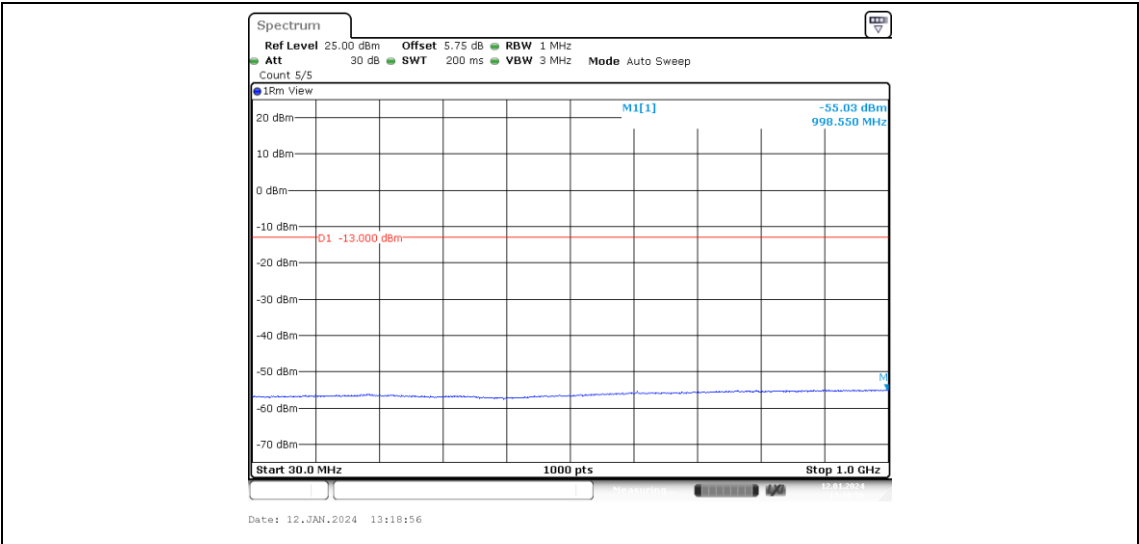
Band25-Stand-Alone-NaN-BPSK-26041-1@0-15kHz-1000-20000--42.39--13-PASS



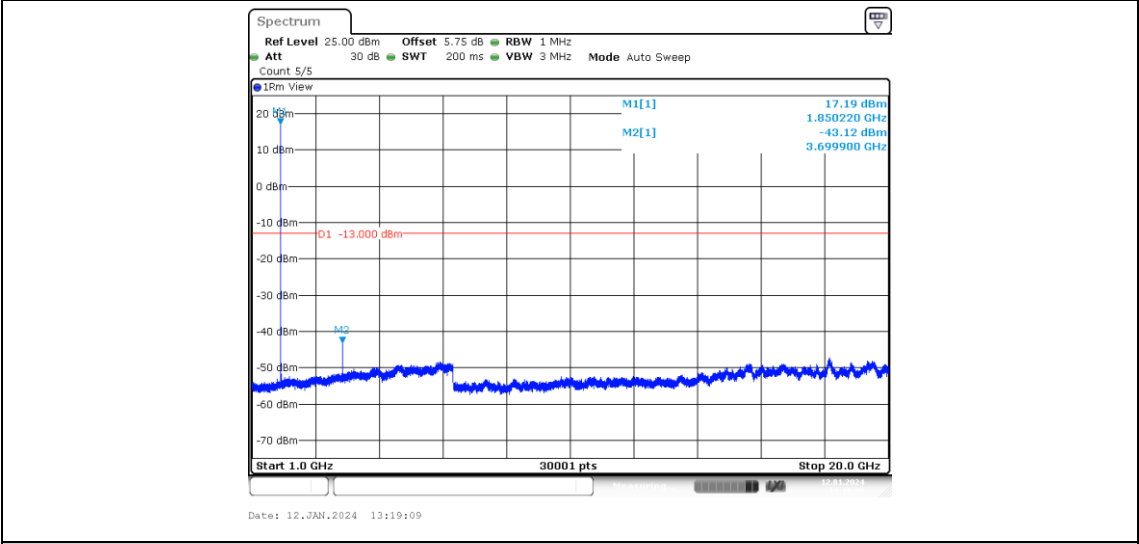
Band25-Stand-Alone-NaN-BPSK-26041-1@11-15kHz-0.009-0.15--68.33--43-PASS



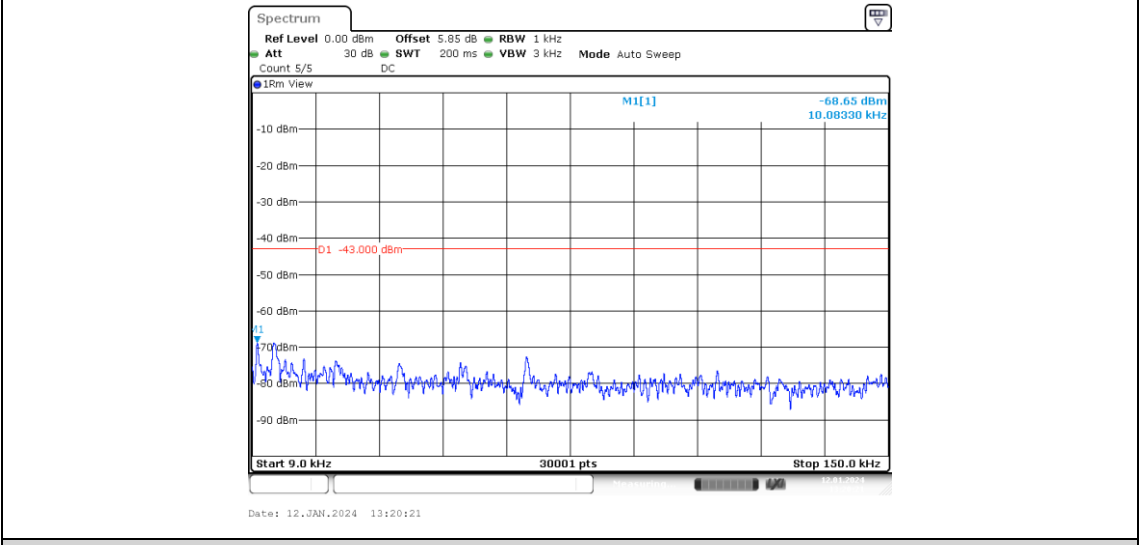
Band25-Stand-Alone-NaN-BPSK-26041-1@11-15kHz-0.15-30--74.74--33-PASS



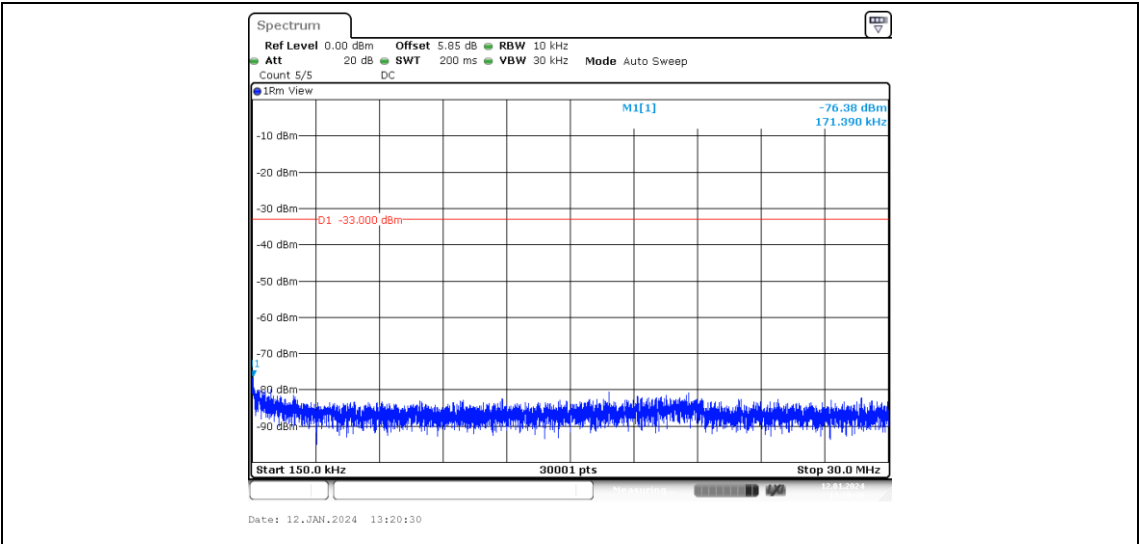
Band25-Stand-Alone-NaN-BPSK-26041-1@11-15kHz-30-1000--55.03--13-PASS



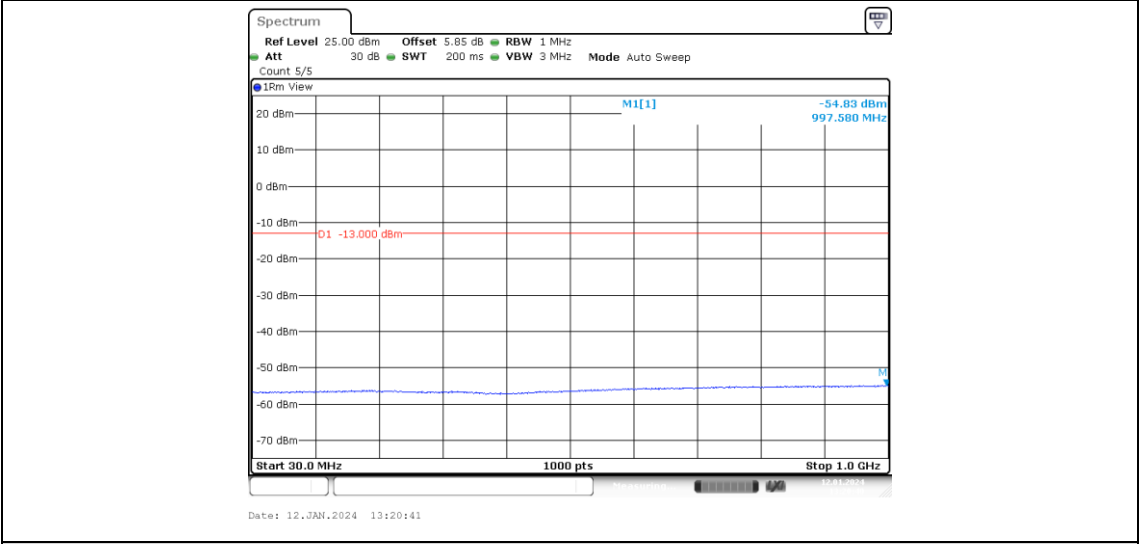
Band25-Stand-Alone-NaN-BPSK-26041-1@11-15kHz-1000-20000--43.12--13-PASS



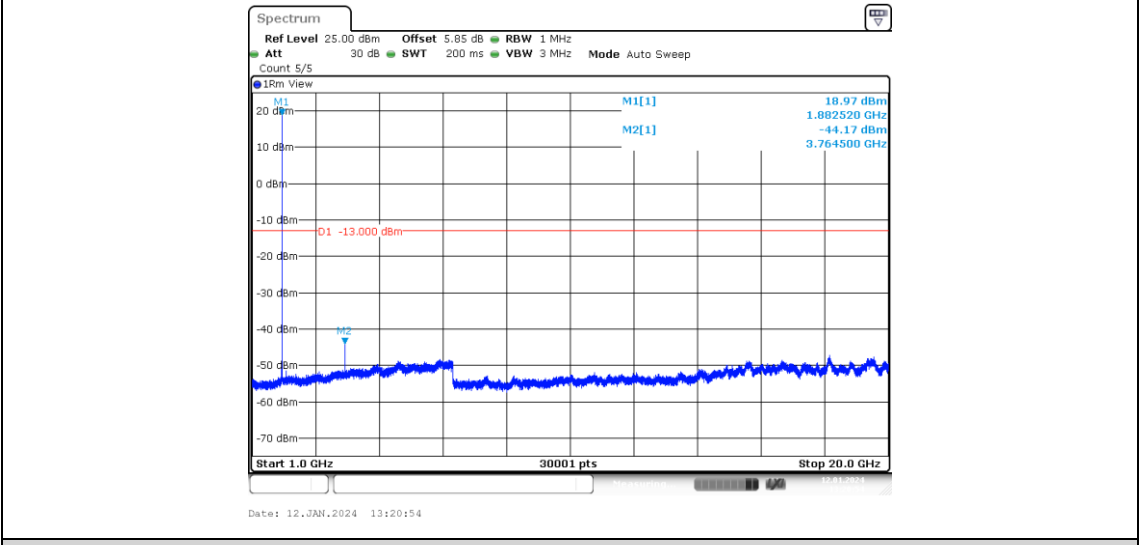
Band25-Stand-Alone-NaN-BPSK-26365-1@0-15kHz-0.009-0.15--68.65--43-PASS



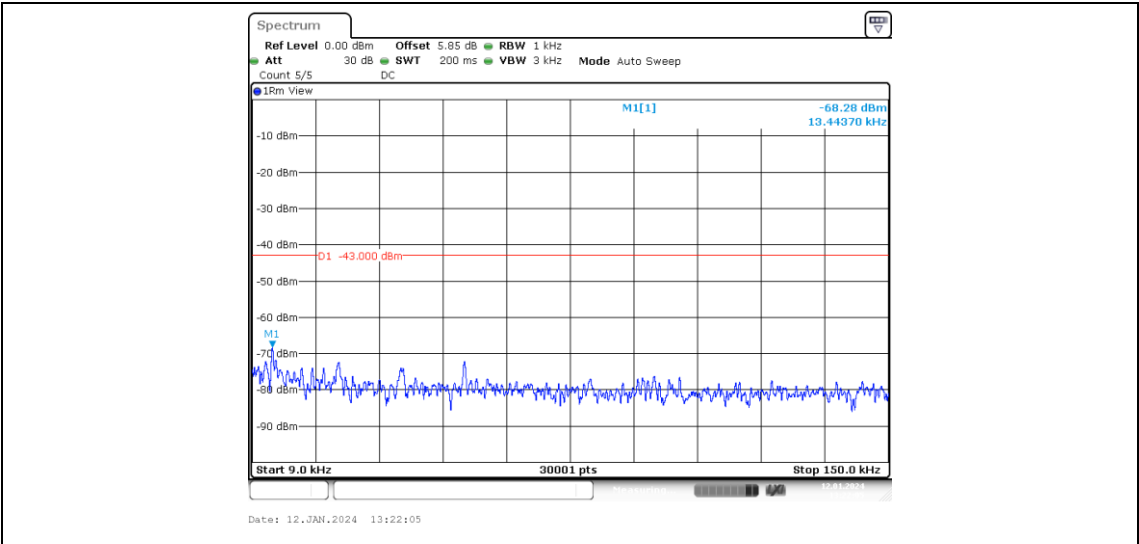
Band25-Stand-Alone-NaN-BPSK-26365-1@0-15kHz-0.15-30--76.38--33-PASS



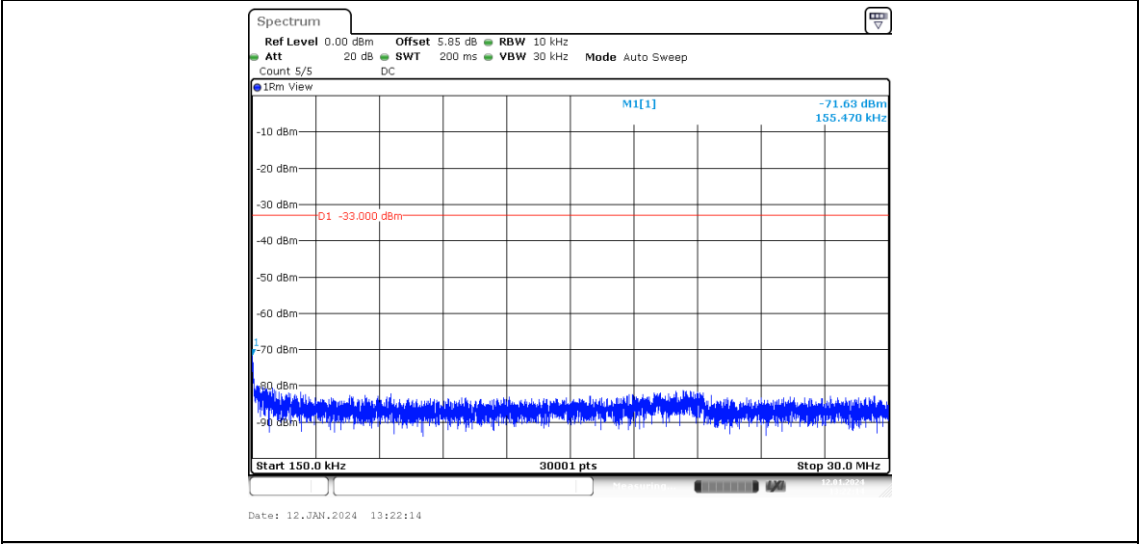
Band25-Stand-Alone-NaN-BPSK-26365-1@0-15kHz-30-1000--54.83--13-PASS



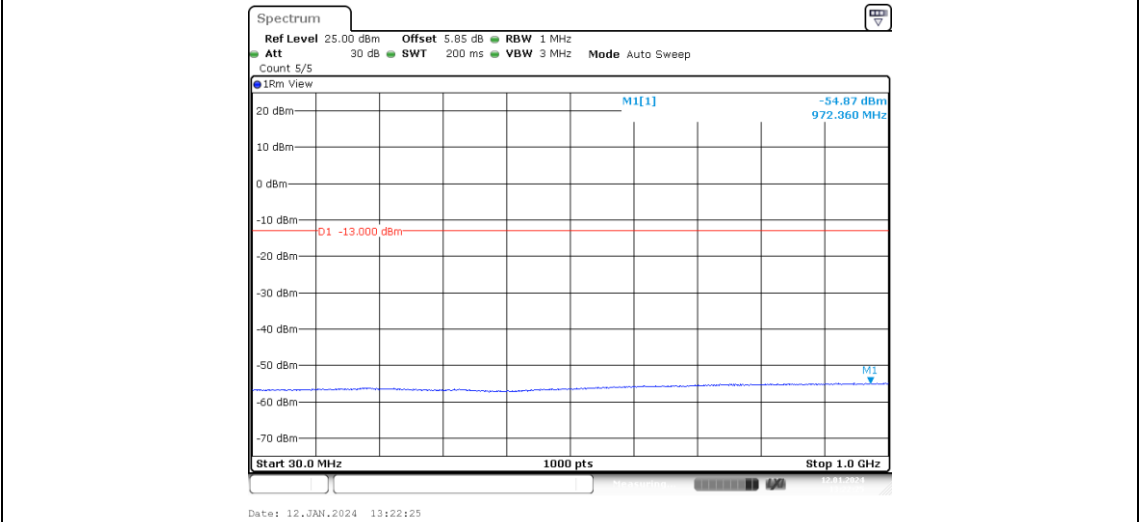
Band25-Stand-Alone-NaN-BPSK-26365-1@0-15kHz-1000-20000--44.17--13-PASS



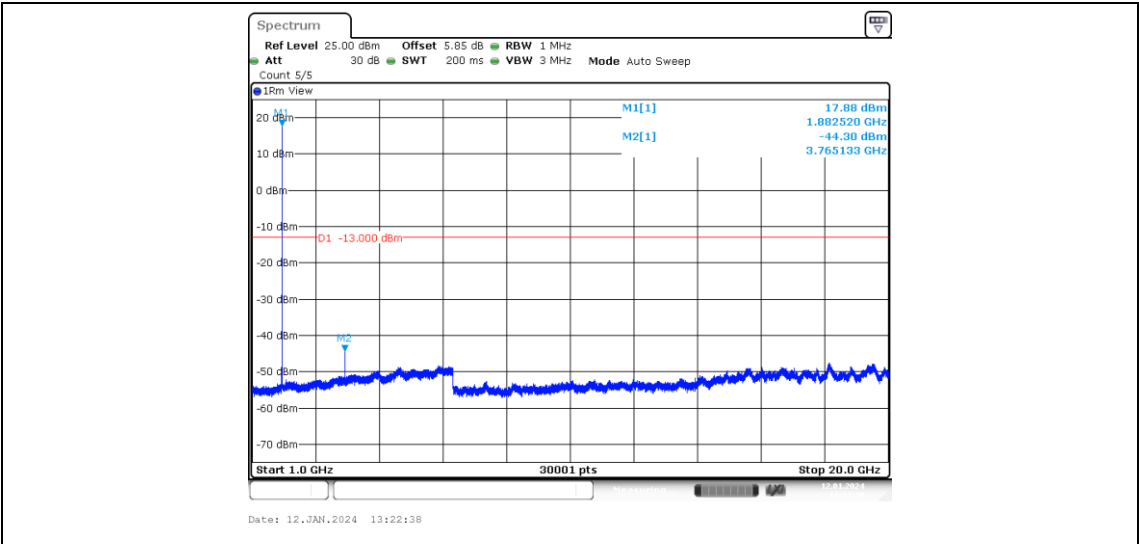
Band25-Stand-Alone-NaN-BPSK-26365-1@11-15kHz-0.009-0.15--68.28--43-PASS



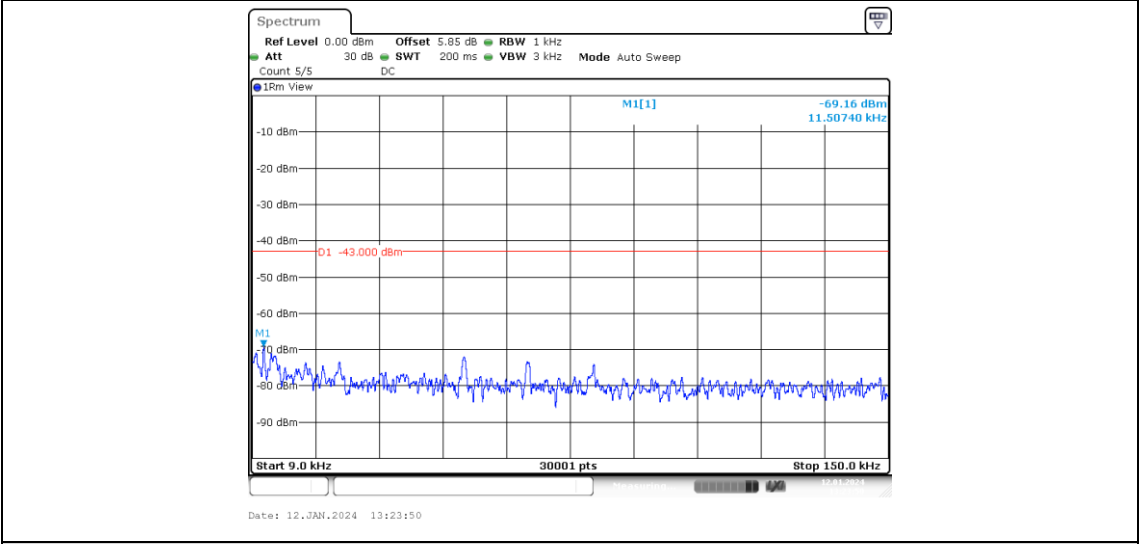
Band25-Stand-Alone-NaN-BPSK-26365-1@11-15kHz-0.15-30--71.63--33-PASS



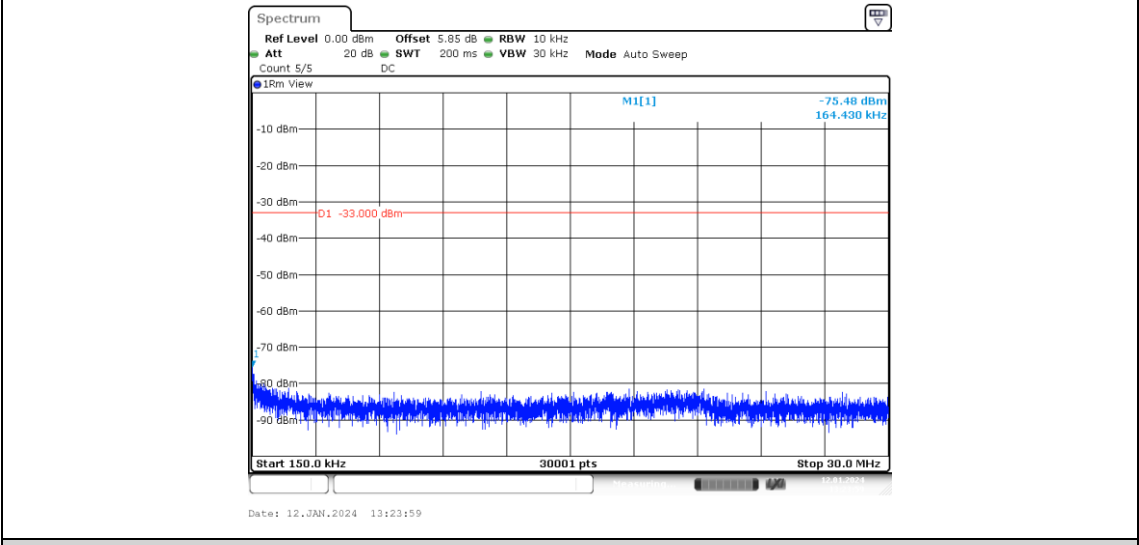
Band25-Stand-Alone-NaN-BPSK-26365-1@11-15kHz-30-1000--54.87--13-PASS



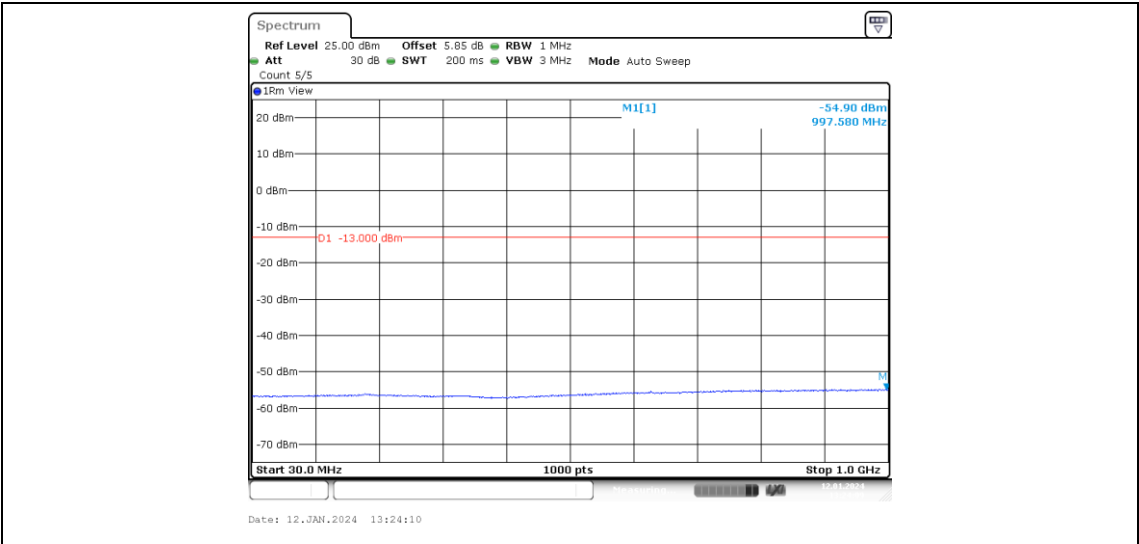
Band25-Stand-Alone-NaN-BPSK-26365-1@11-15kHz-1000-20000--44.3--13-PASS



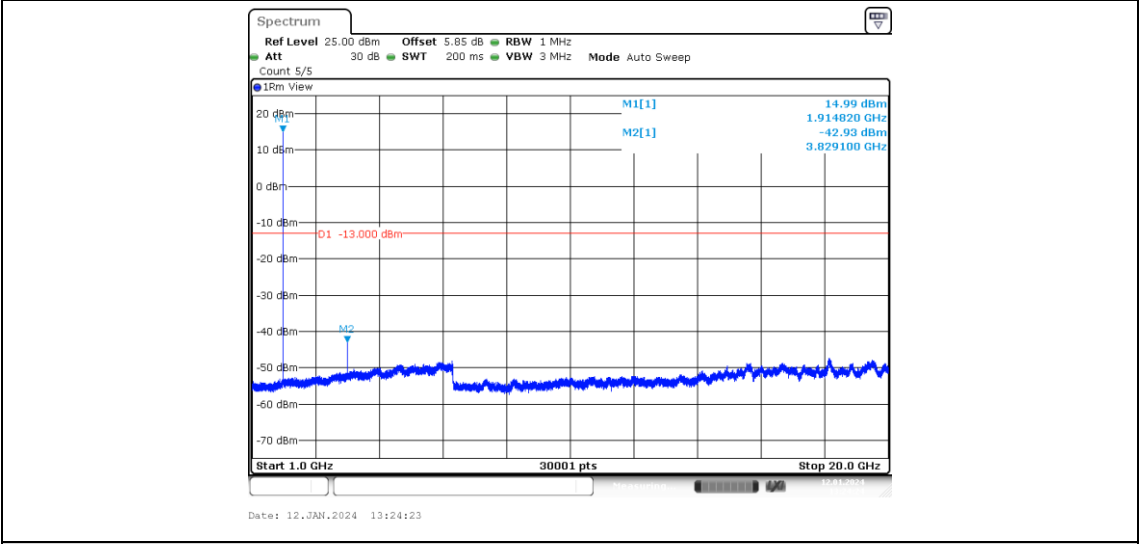
Band25-Stand-Alone-NaN-BPSK-26689-1@0-15kHz-0.009-0.15--69.16--43-PASS



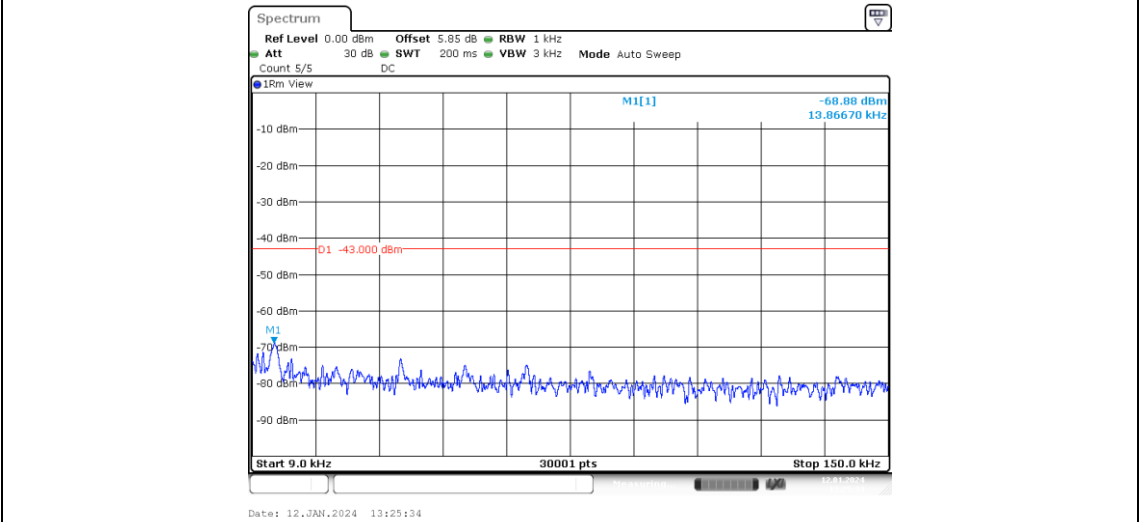
Band25-Stand-Alone-NaN-BPSK-26689-1@0-15kHz-0.15-30--75.48--33-PASS



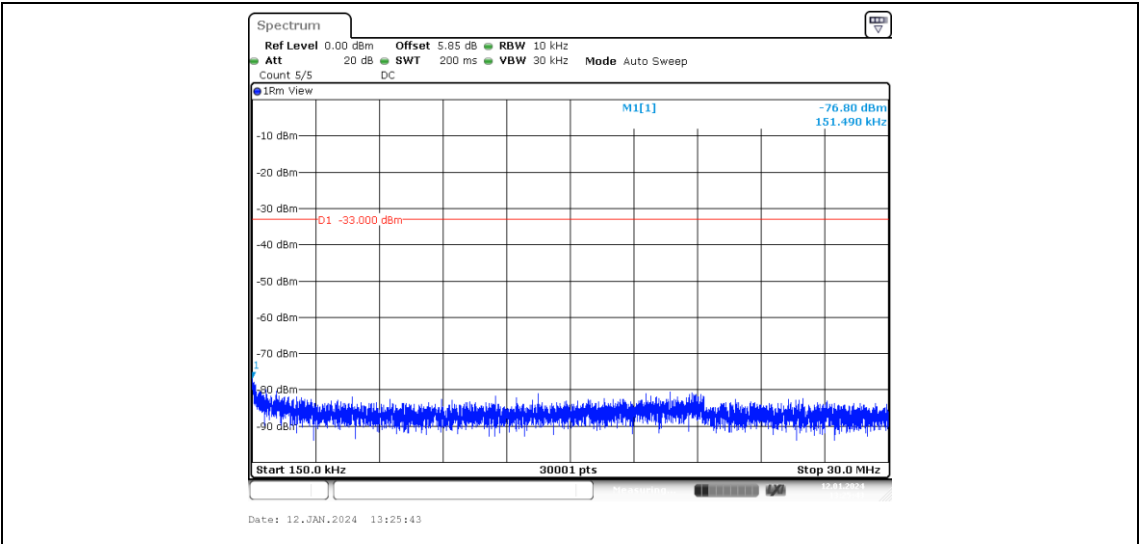
Band25-Stand-Alone-NaN-BPSK-26689-1@0-15kHz-30-1000--54.9--13-PASS



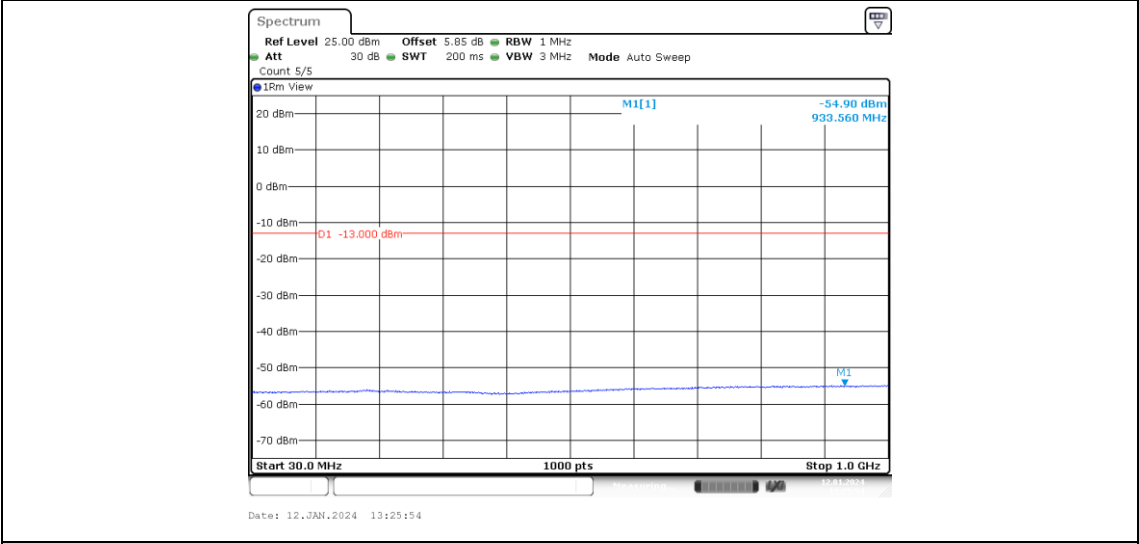
Band25-Stand-Alone-NaN-BPSK-26689-1@0-15kHz-1000-20000--42.93--13-PASS



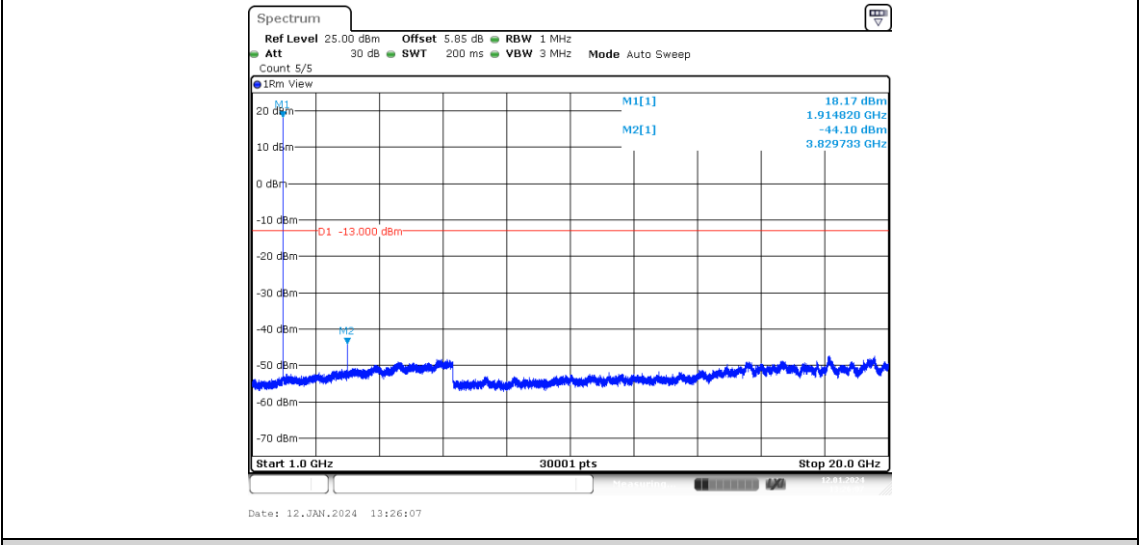
Band25-Stand-Alone-NaN-BPSK-26689-1@11-15kHz-0.009-0.15--68.88--43-PASS



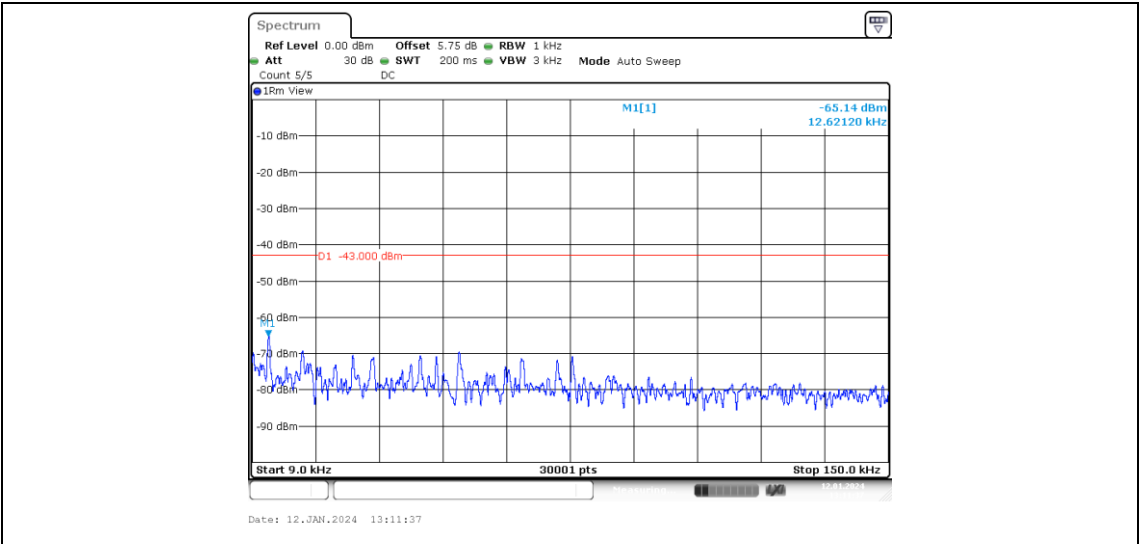
Band25-Stand-Alone-NaN-BPSK-26689-1@11-15kHz-0.15-30--76.8--33-PASS



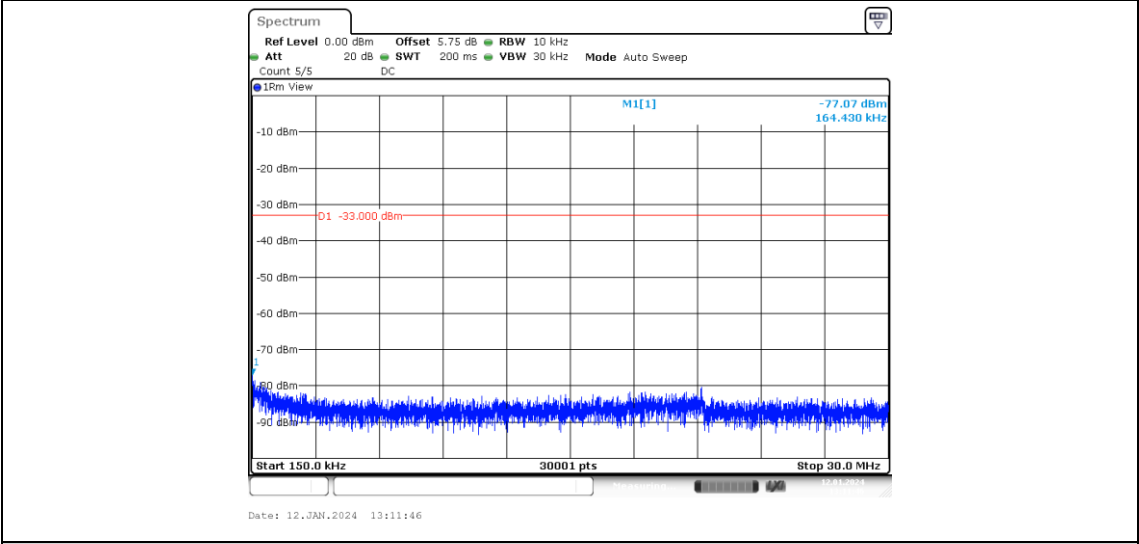
Band25-Stand-Alone-NaN-BPSK-26689-1@11-15kHz-30-1000--54.9--13-PASS



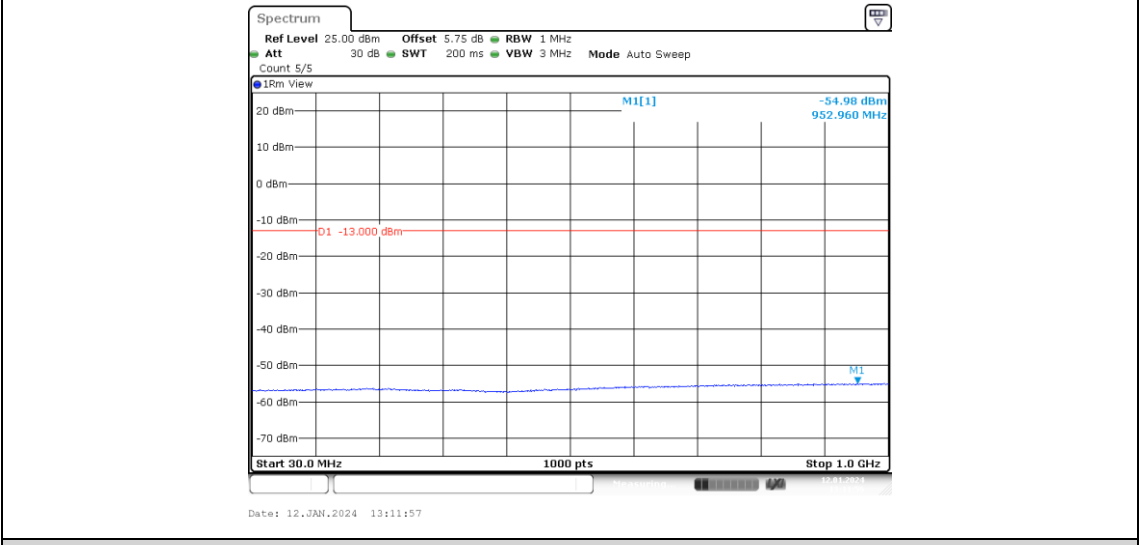
Band25-Stand-Alone-NaN-BPSK-26689-1@11-15kHz-1000-20000--44.1--13-PASS



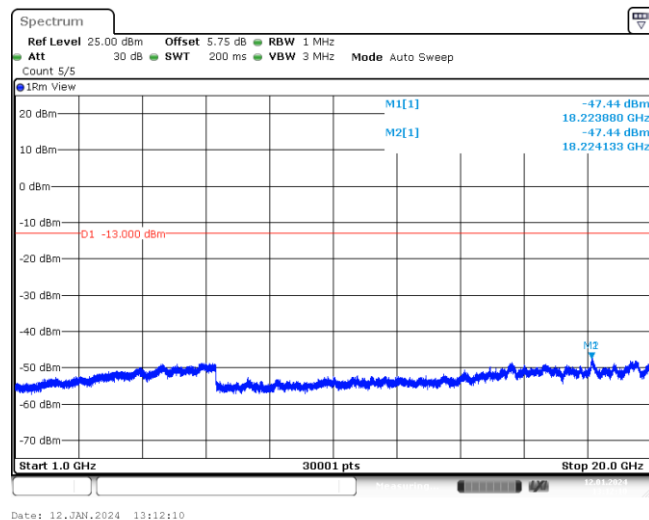
Band25-Stand-Alone-NaN-QPSK-26041-12@0-15kHz-0.009-0.15--65.14--43-PASS



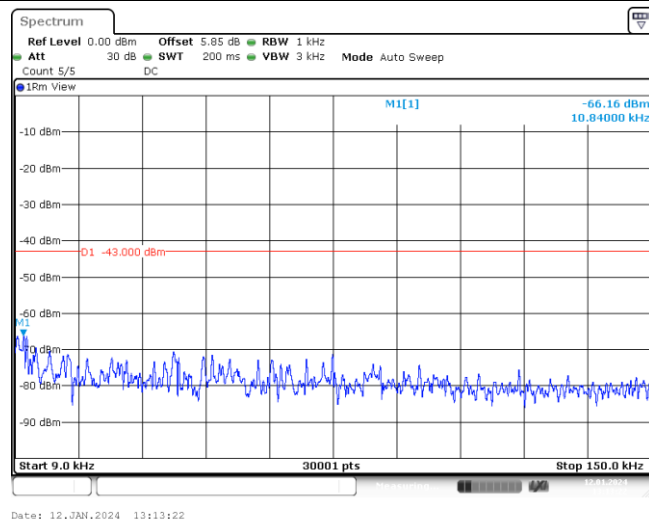
Band25-Stand-Alone-NaN-QPSK-26041-12@0-15kHz-0.15-30--77.07--33-PASS



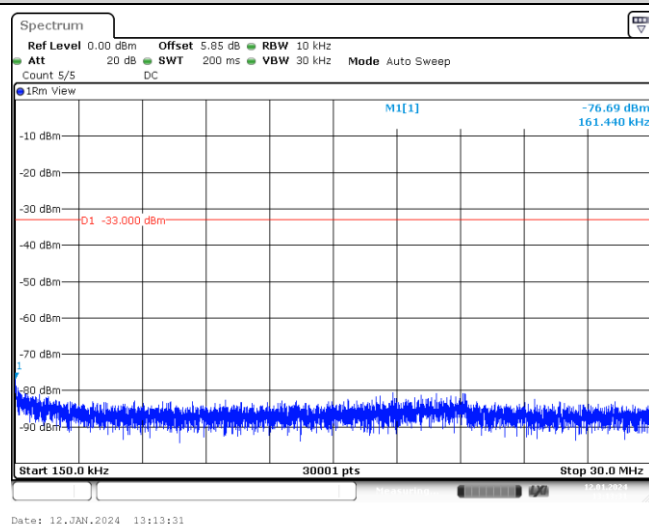
Band25-Stand-Alone-NaN-QPSK-26041-12@0-15kHz-30-1000--54.98--13-PASS



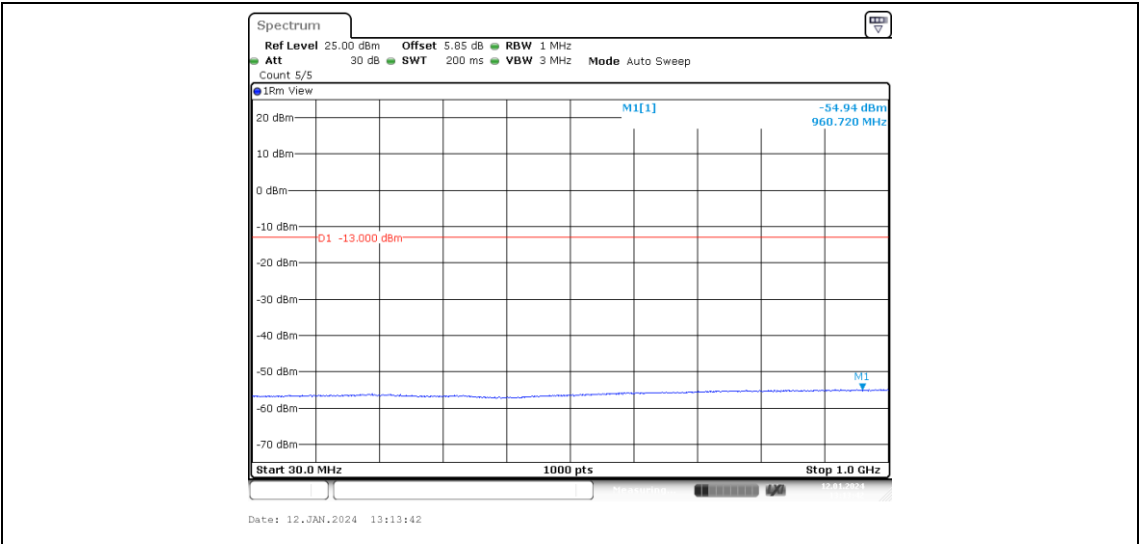
Band25-Stand-Alone-NaN-QPSK-26041-12@0-15kHz-1000-20000--47.44--13-PASS



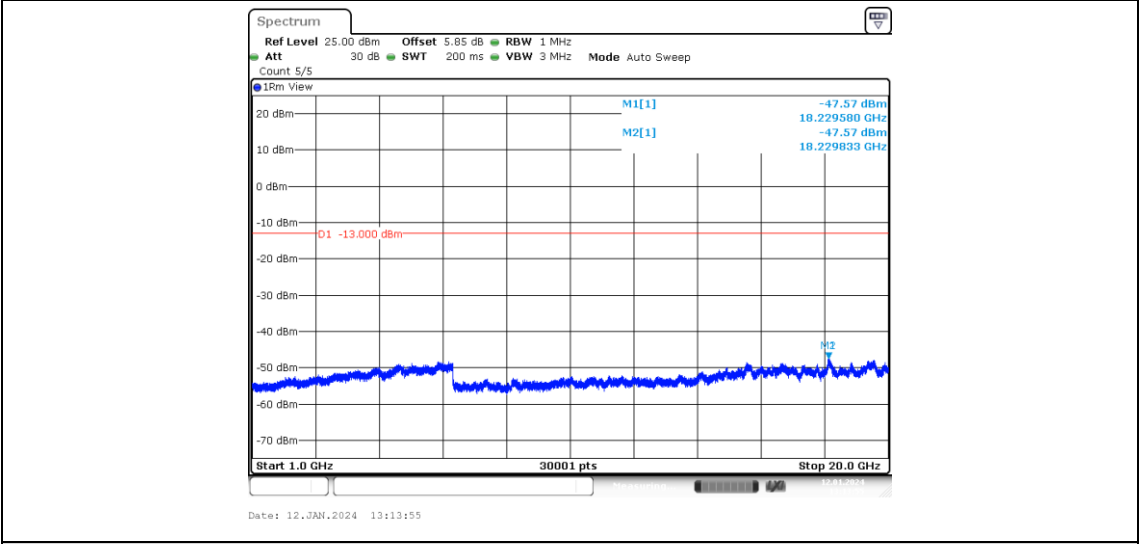
Band25-Stand-Alone-NaN-QPSK-26365-12@0-15kHz-0.009-0.15--66.16--43-PASS



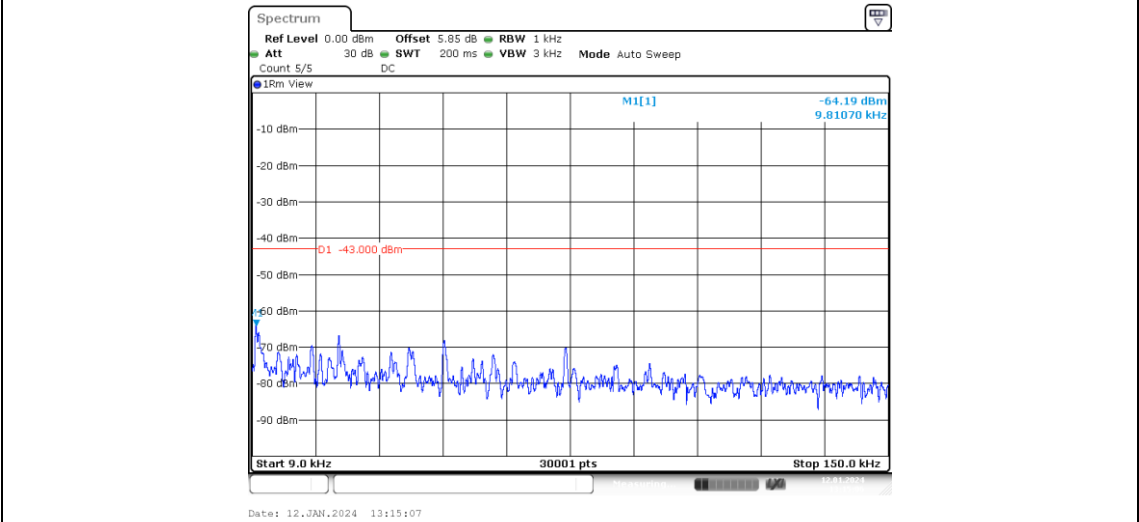
Band25-Stand-Alone-NaN-QPSK-26365-12@0-15kHz-0.15-30--76.69--33-PASS



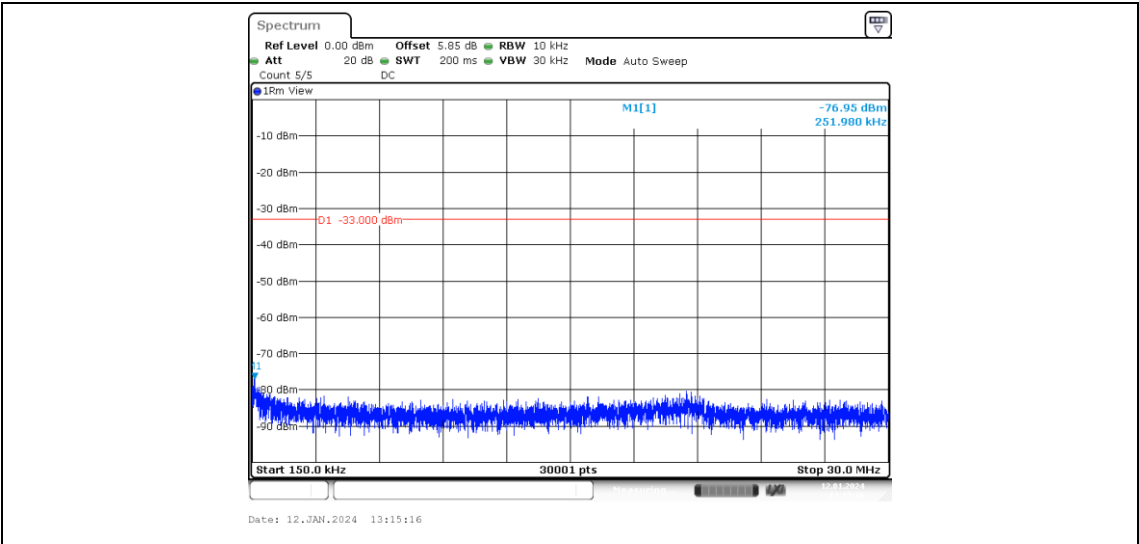
Band25-Stand-Alone-NaN-QPSK-26365-12@0-15kHz-30-1000--54.94--13-PASS



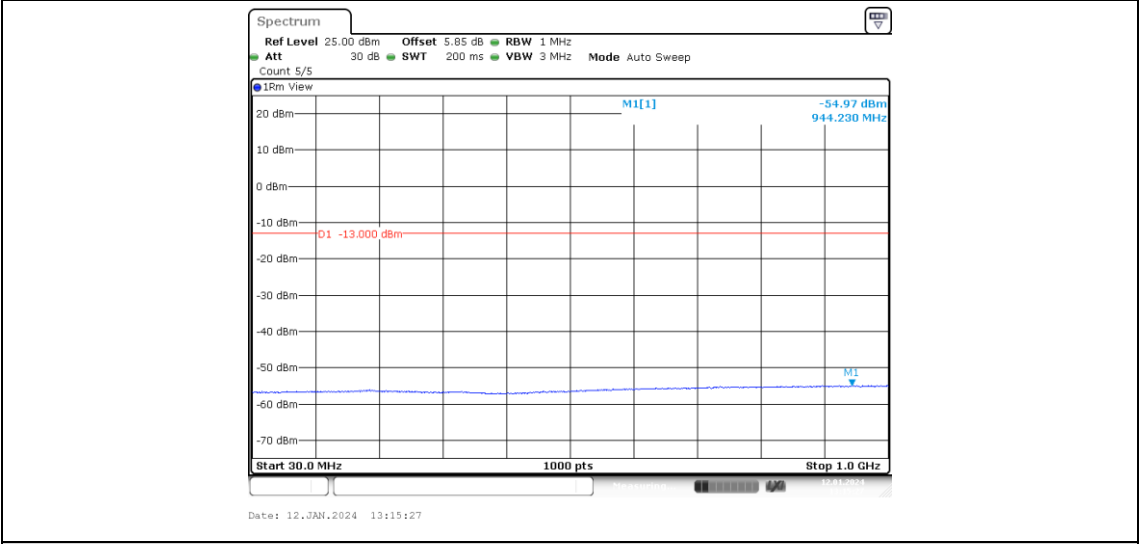
Band25-Stand-Alone-NaN-QPSK-26365-12@0-15kHz-1000-20000--47.57--13-PASS



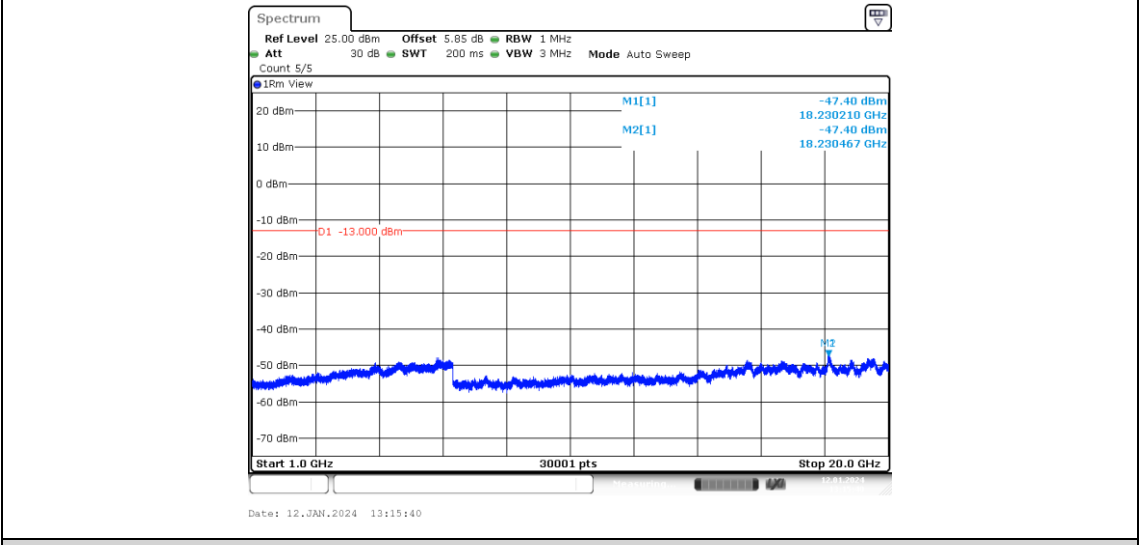
Band25-Stand-Alone-NaN-QPSK-26689-12@0-15kHz-0.009-0.15--64.19--43-PASS



Band25-Stand-Alone-NaN-QPSK-26689-12@0-15kHz-0.15-30--76.95--33-PASS



Band25-Stand-Alone-NaN-QPSK-26689-12@0-15kHz-30-1000--54.97--13-PASS



Band25-Stand-Alone-NaN-QPSK-26689-12@0-15kHz-1000-20000--47.4--13-PASS

Appendix F: Frequency Stability for NB1

Test Result

Voltage												
Band	OpMod e	SCS	Band width	Modul ation	Cha nnel	To ne s	Volt age [Vd c]	Tempe rature (°C)	Devi ation (Hz)	Devi ation (ppm)	Li mit (pp m)	Ver dict
Ban d25	Stand- Alone	3.75 kHz	NaN	QPS K	263 65	1 @ 0	VH	NT	21.3 4	0.011 336	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QPS K	263 65	1 @ 0	VL	NT	23.1 2	0.012 282	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QPS K	263 65	1 @ 0	VN	NT	22.5 9	0.012 000	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QPS K	263 65	1 @ 47	VH	NT	18.9 5	0.010 066	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QPS K	263 65	1 @ 47	VL	NT	16.8 5	0.008 951	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QPS K	263 65	1 @ 47	VN	NT	13.9 3	0.007 400	±2. 5	PA SS
Ban d25	Stand- Alone	15k Hz	NaN	QPS K	263 65	1 @ 0	VH	NT	17.7 5	0.009 429	±2. 5	PA SS
Ban d25	Stand- Alone	15k Hz	NaN	QPS K	263 65	1 @ 0	VL	NT	16.8 5	0.008 951	±2. 5	PA SS
Ban d25	Stand- Alone	15k Hz	NaN	QPS K	263 65	1 @ 0	VN	NT	21.3 0	0.011 315	±2. 5	PA SS
Ban d25	Stand- Alone	15k Hz	NaN	QPS K	263 65	1 @1 1	VH	NT	-21.4 4	-0.01 1389	±2. 5	PA SS
Ban d25	Stand- Alone	15k Hz	NaN	QPS K	263 65	1 @1 1	VL	NT	21.3 9	0.011 363	±2. 5	PA SS
Ban	Stand-	15k	NaN	QPS	263	1	VN	NT	26.9	0.014	±2.	PA

d25	Alone	Hz		K	65	@1 1			9	337	5	SS
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Temperature												
Band	OpMod e	Band width	Modul ation	Cha nnel	To ne s	SC S	Volt age [Vd c]	Tempe rature (°C)	Devi ation (Hz)	Devia tion (ppm)	Li mit (pp m)	Ver dict
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 0	NV	50	29.3 8	0.015 607	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 0	NV	-20	25.2 3	0.013 402	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 0	NV	-10	24.8 5	0.013 201	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 0	NV	0	23.3 6	0.012 409	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 0	NV	10	26.1 2	0.013 875	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 0	NV	20	26.6 9	0.014 178	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 0	NV	30	22.8 7	0.012 149	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 0	NV	40	-22.6 2	-0.01 2016	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 0	NV	-30	23.3 2	0.012 388	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 47	NV	30	25.1 5	0.013 360	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 47	NV	20	22.7 9	0.012 106	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36	1 @	NV	10	20.6 9	0.010 991	±2. 5	PA SS

					5	47						
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 47	NV	0	20.4 6	0.010 869	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 47	NV	-10	20.2 3	0.010 746	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 47	NV	40	24.6 2	0.013 078	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 47	NV	-30	18.3 5	0.009 748	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 47	NV	50	25.8 9	0.013 753	±2. 5	PA SS
Ban d25	Stand- Alone	3.75 kHz	NaN	QP SK	26 36 5	1 @ 47	NV	-20	18.4 2	0.009 785	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz z	NaN	QP SK	26 36 5	1 @ 0	NV	50	26.9 2	0.014 300	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz z	NaN	QP SK	26 36 5	1 @ 0	NV	-20	21.7 0	0.011 527	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz z	NaN	QP SK	26 36 5	1 @ 0	NV	-10	25.9 8	0.013 801	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz z	NaN	QP SK	26 36 5	1 @ 0	NV	0	21.8 7	0.011 618	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz z	NaN	QP SK	26 36 5	1 @ 0	NV	10	32.2 6	0.017 137	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz z	NaN	QP SK	26 36 5	1 @ 0	NV	20	30.1 0	0.015 989	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz z	NaN	QP SK	26 36 5	1 @ 0	NV	30	21.9 4	0.011 655	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz z	NaN	QP SK	26 36 5	1 @ 0	NV	40	26.4 1	0.014 029	±2. 5	PA SS

Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @ 0	NV	-30	23.7 3	0.012 606	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @1 1	NV	40	-22.7 2	-0.01 2069	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @1 1	NV	30	22.6 7	0.012 042	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @1 1	NV	20	28.8 7	0.015 336	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @1 1	NV	10	-29.8 7	-0.01 5867	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @1 1	NV	0	24.0 9	0.012 797	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @1 1	NV	-10	25.1 6	0.013 365	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @1 1	NV	-30	-24.3 6	-0.01 2940	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @1 1	NV	50	28.8 7	0.015 336	±2. 5	PA SS
Ban d25	Stand- Alone	15kHz	NaN	QP SK	26 36 5	1 @1 1	NV	-20	25.8 1	0.013 710	±2. 5	PA SS