Appendix for NB-IOT Band 13

Product Name: NBIoT Meter Interface Unit
Model No: AGIL WRPMIU 301

Appendix A: Average Power Output Data

Test Result

Band	OpMode	SCS	BW	Modulation	Channel	Tones	Conducted POWER(dBm)	Verdict
Band 13	Stand-Alone	3.75kHz	NaN	BPSK	23181	1@0	23.92	PASS
Band 13	Stand-Alone	3.75kHz	NaN	BPSK	23181	1@47	23.91	PASS
Band 13	Stand-Alone	3.75kHz	NaN	BPSK	23230	1@0	23.80	PASS
Band 13	Stand-Alone	3.75kHz	NaN	BPSK	23230	1@47	23.81	PASS
Band 13	Stand-Alone	3.75kHz	NaN	BPSK	23279	1@0	23.77	PASS
Band 13	Stand-Alone	3.75kHz	NaN	BPSK	23279	1@47	23.78	PASS
Band 13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	23.19	PASS
Band 13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	23.19	PASS
Band 13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	23.36	PASS
Band 13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	23.85	PASS
Band 13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	23.11	PASS
Band 13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	23.66	PASS
Band 13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	23.25	PASS
Band 13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	23.28	PASS
Band 13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	23.33	PASS
Band 13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	23.34	PASS
Band 13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	23.08	PASS

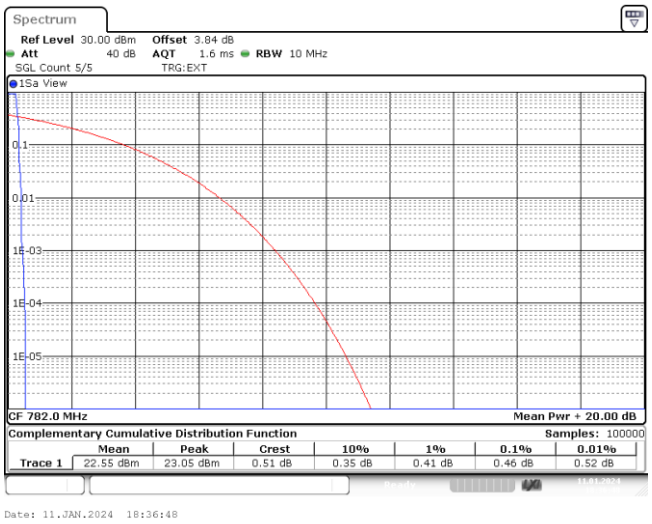
Band 13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	23.05	PASS
Band 13	Stand-Alone	15kHz	NaN	QPSK	23181	1@0	23.43	PASS
Band 13	Stand-Alone	15kHz	NaN	QPSK	23181	1@11	23.43	PASS
Band 13	Stand-Alone	15kHz	NaN	QPSK	23181	3@3	22.98	PASS
Band 13	Stand-Alone	15kHz	NaN	QPSK	23230	1@0	23.49	PASS
Band 13	Stand-Alone	15kHz	NaN	QPSK	23230	1@11	23.47	PASS
Band 13	Stand-Alone	15kHz	NaN	QPSK	23230	3@3	23.01	PASS
Band 13	Stand-Alone	15kHz	NaN	QPSK	23279	1@0	23.27	PASS
Band 13	Stand-Alone	15kHz	NaN	QPSK	23279	1@11	23.22	PASS
Band 13	Stand-Alone	15kHz	NaN	QPSK	23279	3@3	22.90	PASS

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

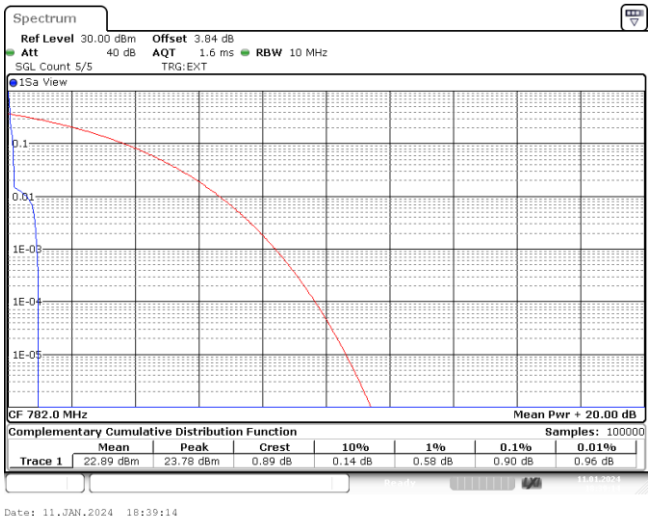
Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Limit (dBm)	Verdict
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23230	1@0	0.46	<=13	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23230	1@47	0.9	<=13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	0.81	<=13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	0.78	<=13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	0.26	<=13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	0.23	<=13	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	1@0	1.01	<=13	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	1@11	0.96	<=13	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	3@3	2.03	<=13	PASS

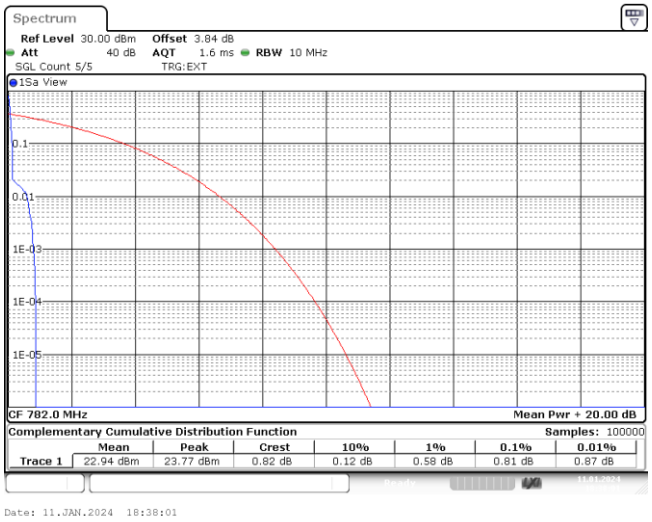
Test Graphs



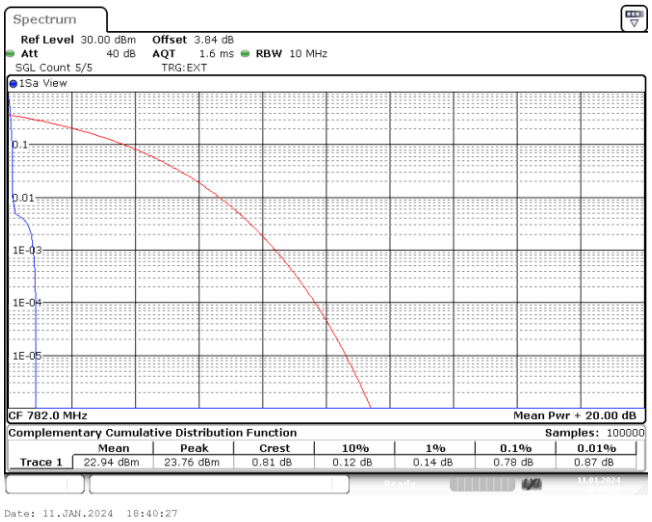
Band13-Stand-Alone-NaN-BPSK-23230-1@0-3.75kHz-0.46-<=13-PASS



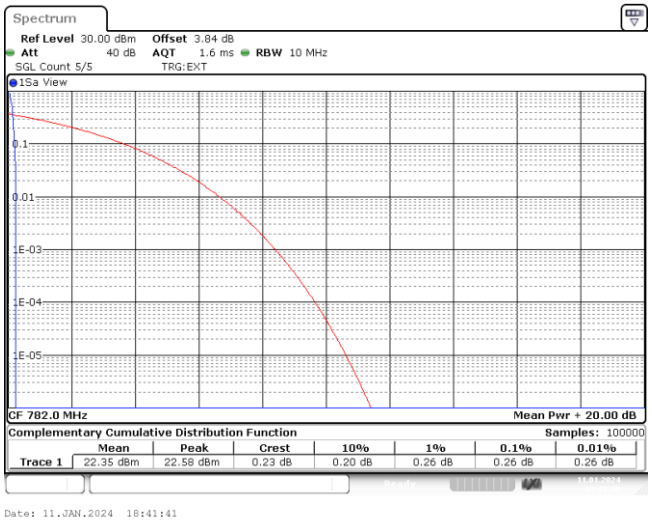
Band13-Stand-Alone-NaN-BPSK-23230-1@47-3.75kHz-0.9-<=13-PASS



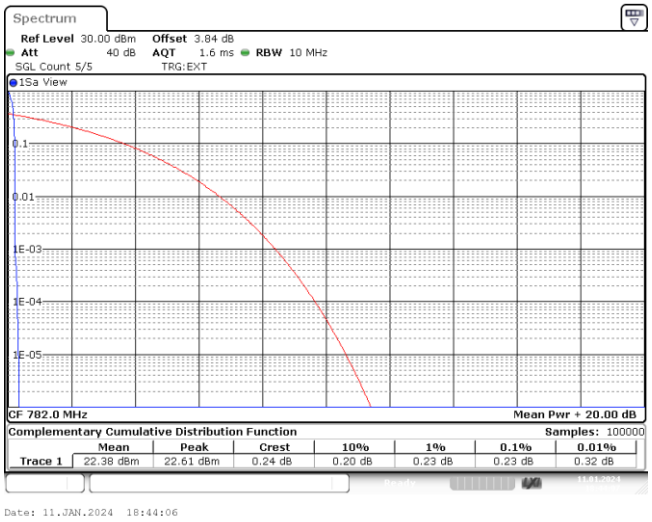
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-0.81-<=13-PASS



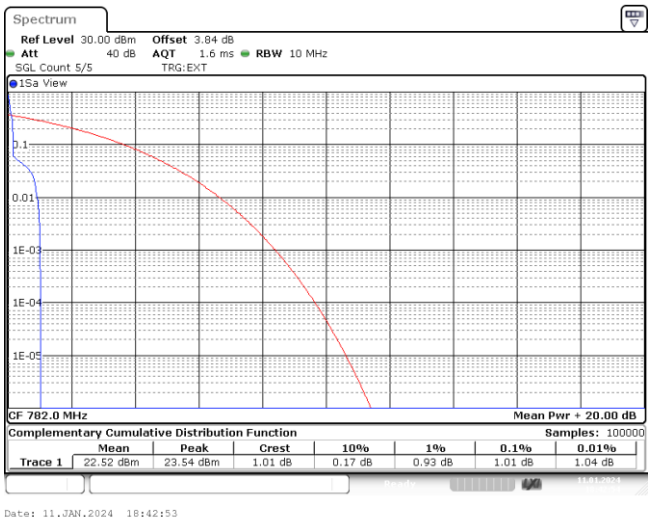
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-0.78-<=13-PASS



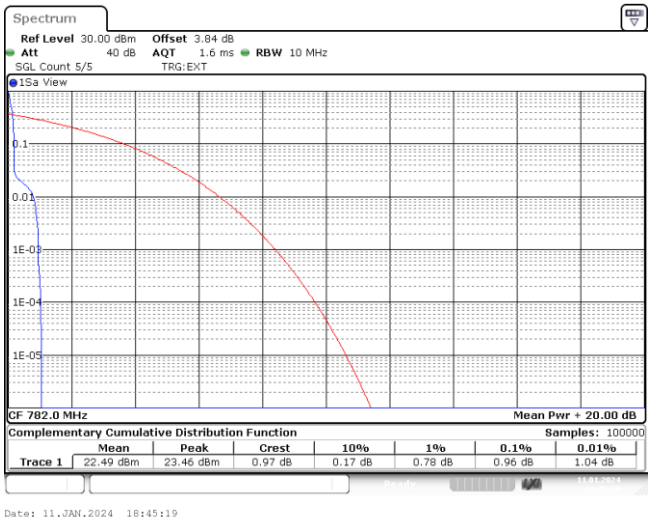
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-0.26-<=13-PASS



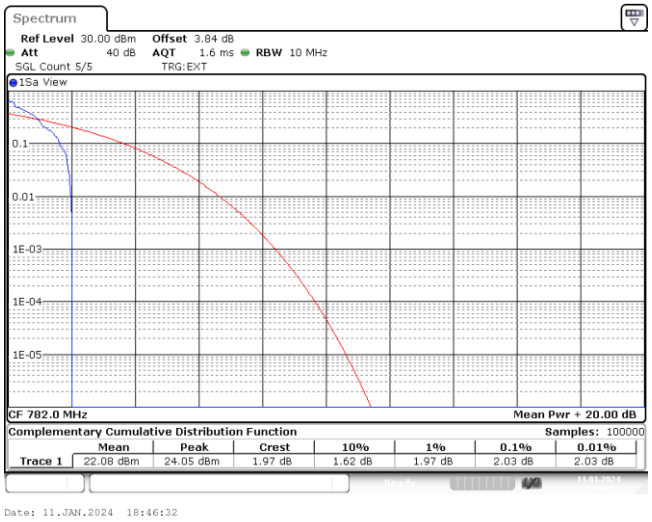
Band13-Stand-Alone-NaN-BPSK-23230-1@11-15kHz-0.23-<=13-PASS



Band13-Stand-Alone-NaN-QPSK-23230-1@0-15kHz-1.01-<=13-PASS



Band13-Stand-Alone-NaN-QPSK-23230-1@11-15kHz-0.96-<=13-PASS



Band13-Stand-Alone-NaN-QPSK-23230-3@3-15kHz-2.03-<=13-PASS

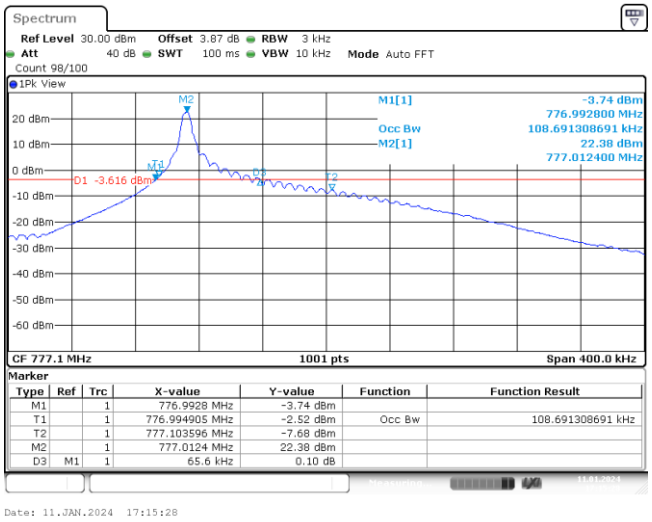
Appendix C: Emission Bandwidth

Test Result

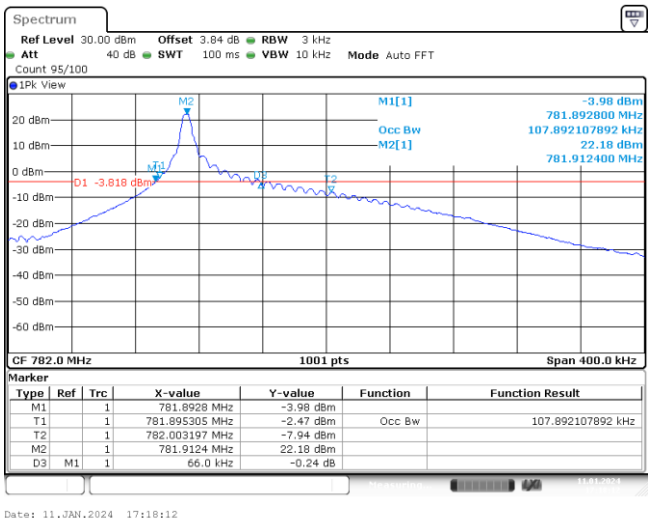
Band	OpMode	SCS	BW	Modu	Channel	Tones	OBW(MHz)	EBW(MHz)	Verdict
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23181	1@0	0.109	0.066	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23230	1@0	0.108	0.066	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23279	1@0	0.108	0.066	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	0.113	0.068	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	0.112	0.068	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	0.112	0.067	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	0.109	0.121	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	12@0	0.177	0.222	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	0.11	0.121	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	12@0	0.177	0.223	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	0.109	0.121	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	12@0	0.177	0.223	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	1@0	0.132	0.161	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	12@0	0.177	0.222	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	1@0	0.132	0.161	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	12@0	0.177	0.223	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	1@0	0.132	0.161	PASS

Band13	Stand-Alone	15kHz	NaN	QPSK	23279	12@0	0.177	0.223	PASS

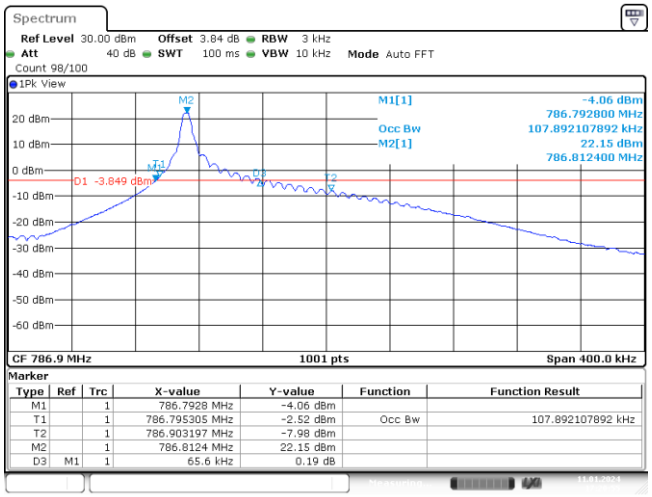
Test Graphs



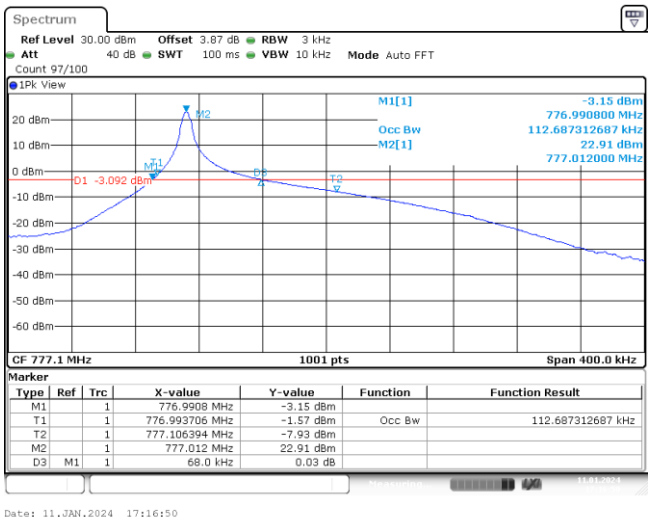
Band13-Stand-Alone-NaN-BPSK-23181-1@0-3.75kHz-0.066-0.109-PASS



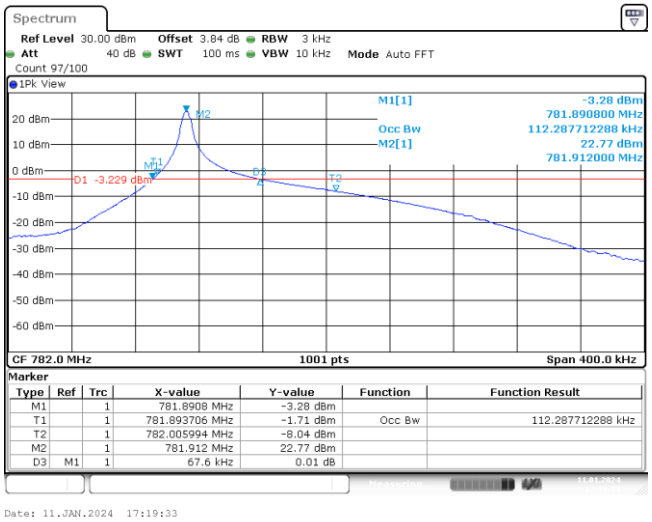
Band13-Stand-Alone-NaN-BPSK-23230-1@0-3.75kHz-0.066-0.108-PASS



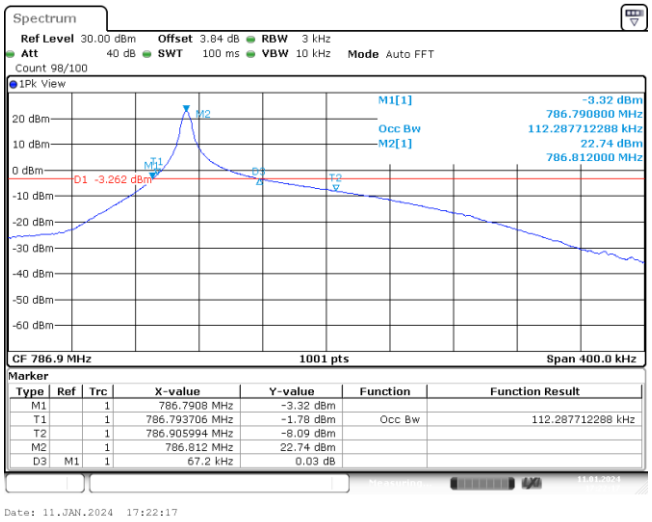
Band13-Stand-Alone-NaN-BPSK-23279-1@0-3.75kHz-0.066-0.108-PASS



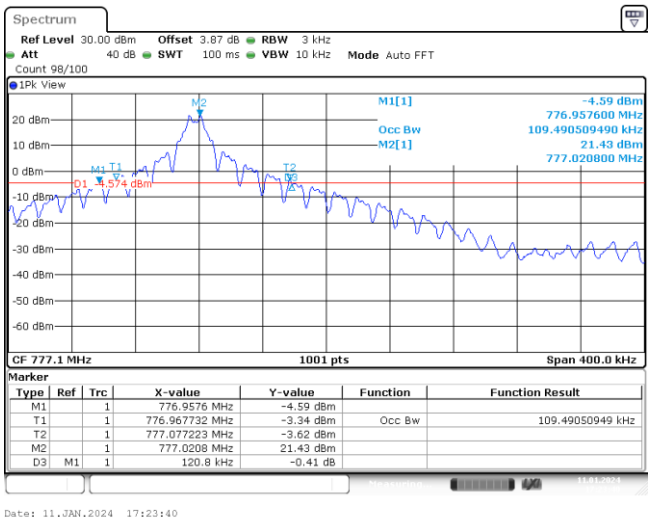
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-0.068-0.113-PASS



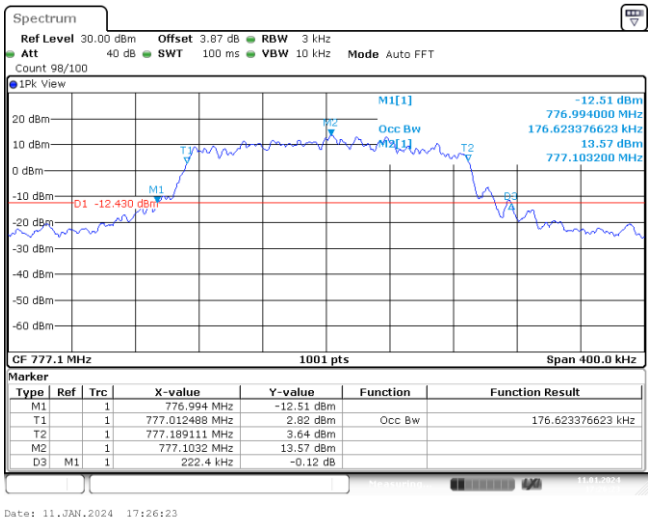
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-0.068-0.112-PASS



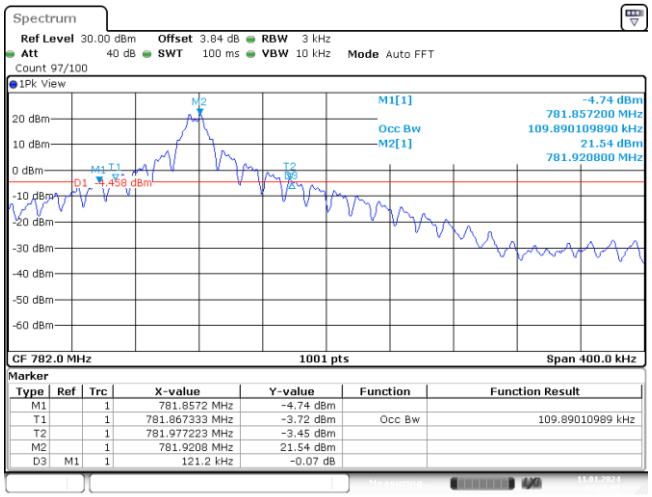
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-0.067-0.112-PASS



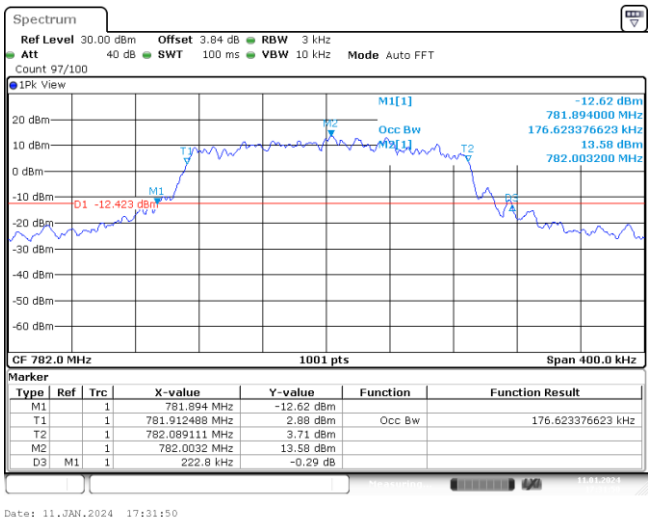
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz-0.121-0.109-PASS



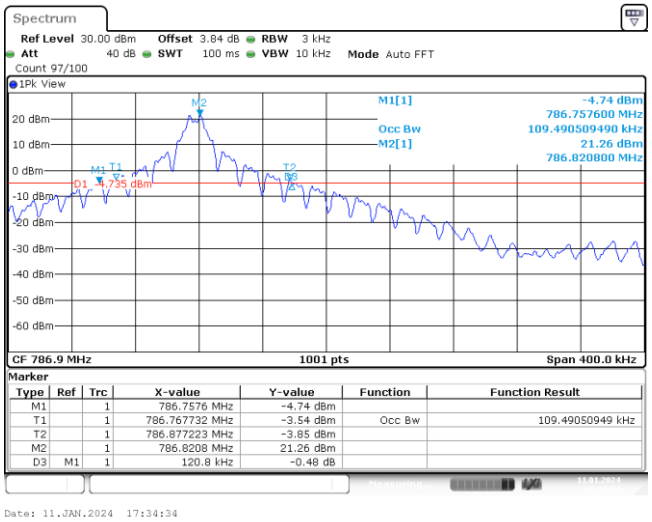
Band13-Stand-Alone-NaN-BPSK-23181-12@0-15kHz-0.222-0.177-PASS



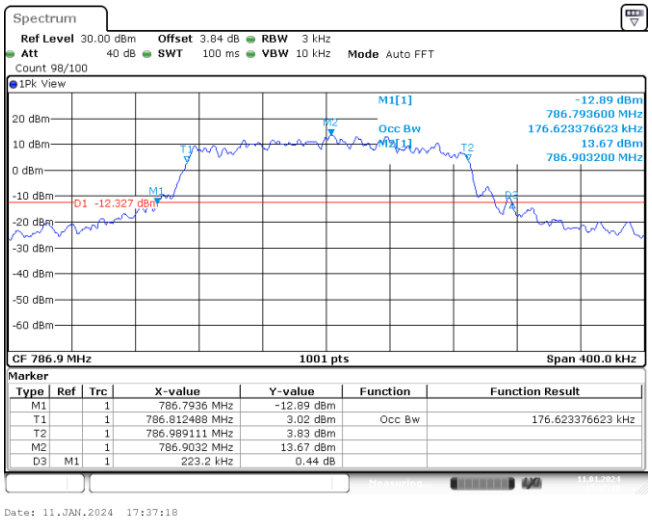
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-0.121-0.11-PASS



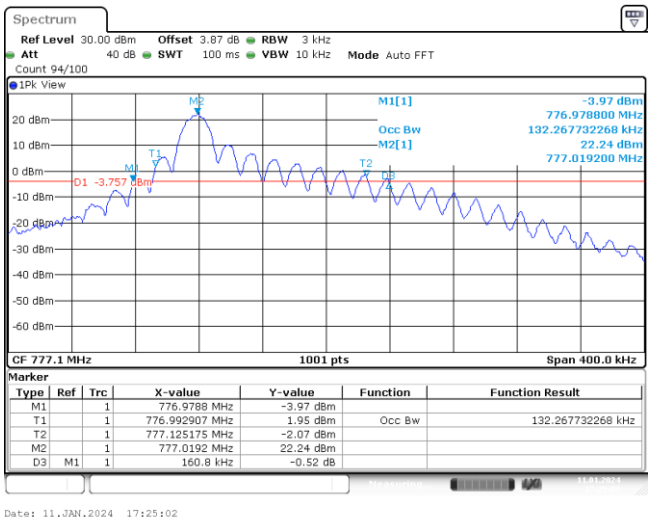
Band13-Stand-Alone-NaN-BPSK-23230-12@0-15kHz-0.223-0.177-PASS



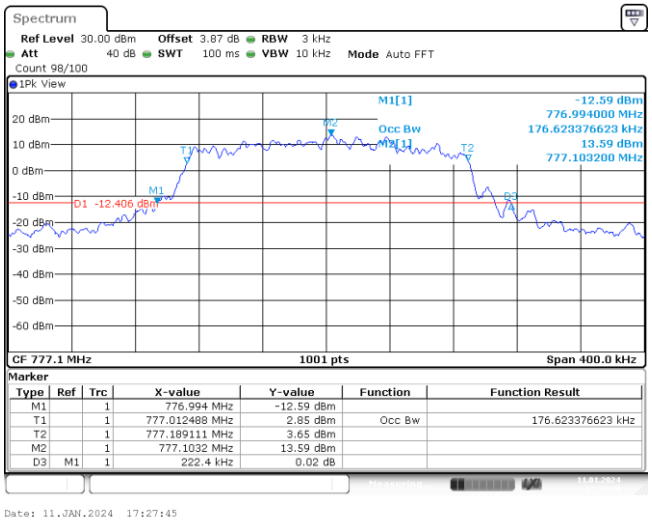
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz-0.121-0.109-PASS



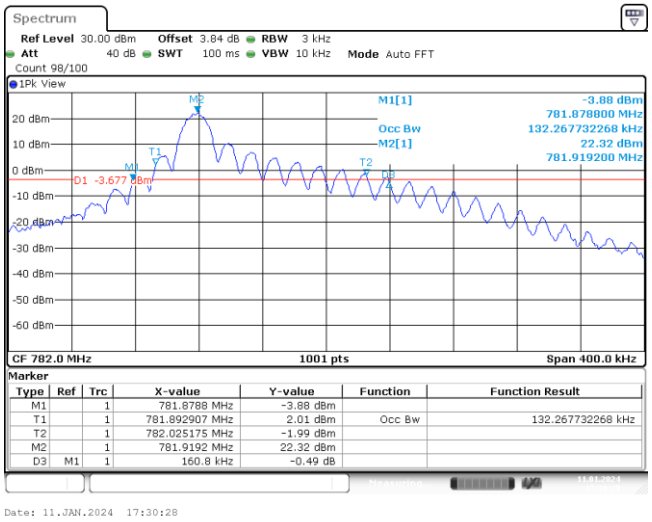
Band13-Stand-Alone-NaN-BPSK-23279-12@0-15kHz-0.223-0.177-PASS



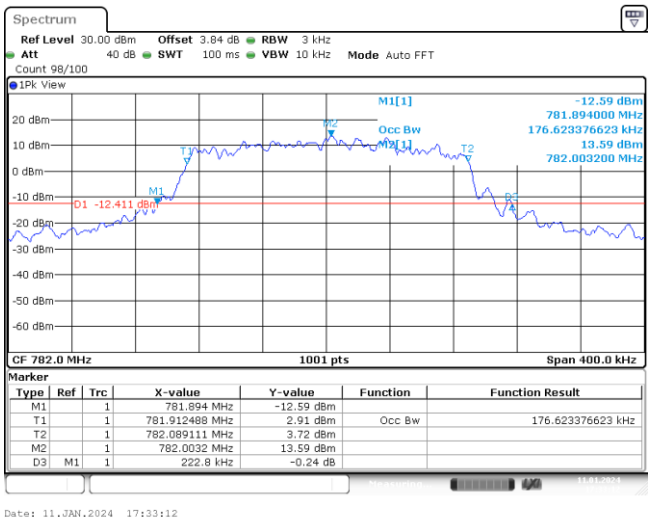
Band13-Stand-Alone-NaN-QPSK-23181-1@0-15kHz-0.161-0.132-PASS



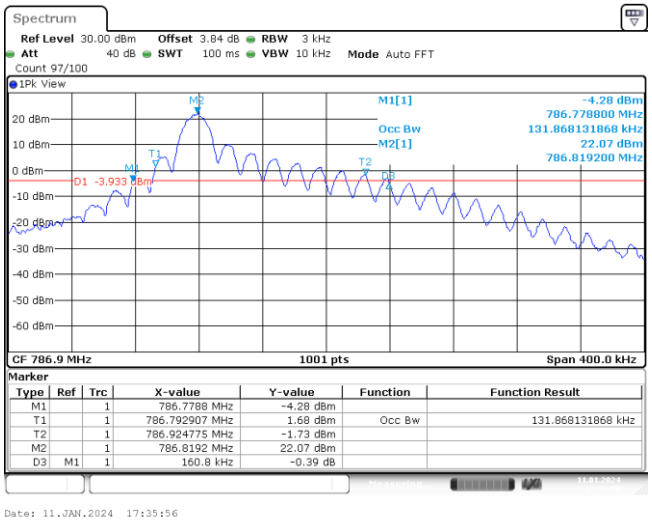
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz-0.222-0.177-PASS



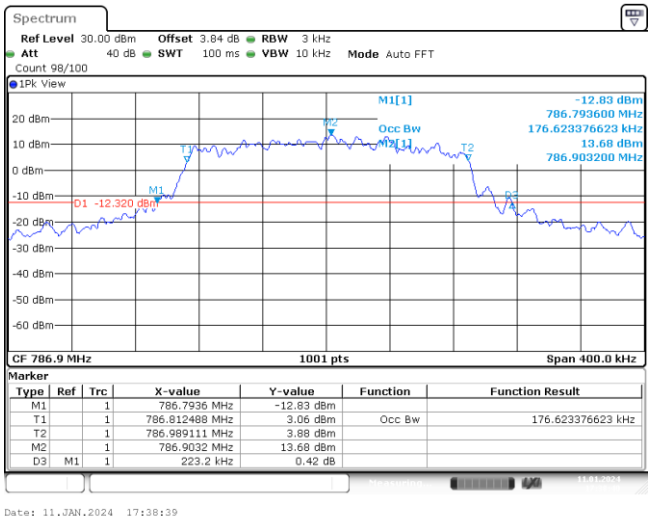
Band13-Stand-Alone-NaN-QPSK-23230-1@0-15kHz-0.161-0.132-PASS



Band13-Stand-Alone-NaN-QPSK-23230-12@0-15kHz-0.223-0.177-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@0-15kHz-0.161-0.132-PASS



Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz-0.223-0.177-PASS

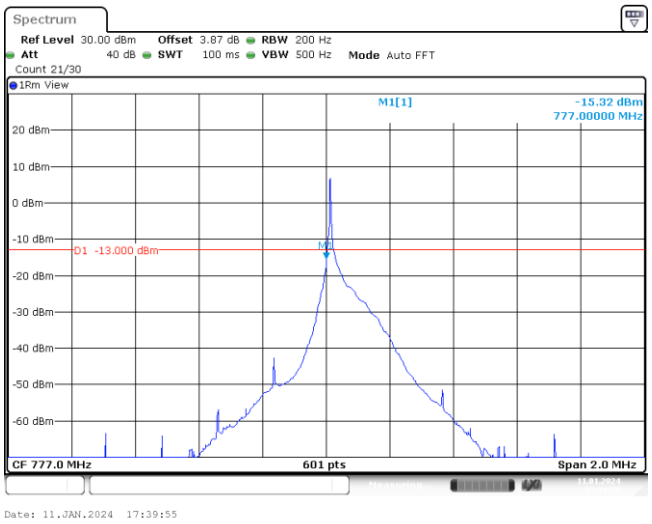
Appendix D: Band Edge for NB1

Test Result

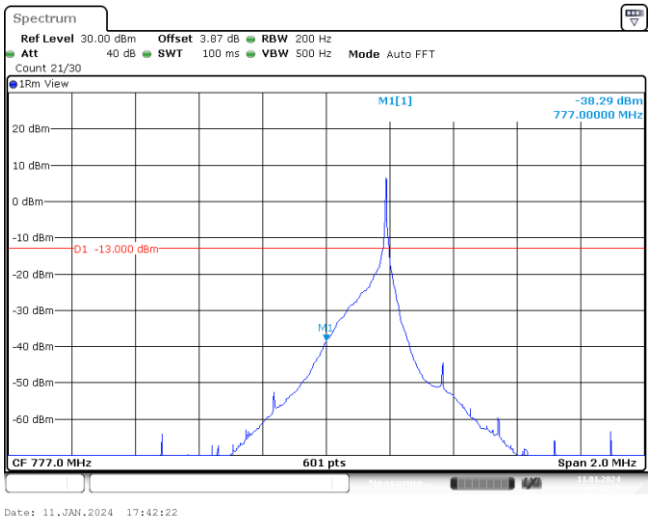
Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23181	1@0	-15.32	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23181	1@47	-38.29	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23279	1@0	-37.96	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23279	1@47	-15.59	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	-17.52	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	-40.59	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	-41.90	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	-17.66	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	-13.56	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	-45.57	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	12@0	-32.17	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	-45.04	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	-13.88	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	12@0	-25.20	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	1@0	-17.71	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	1@11	-36.87	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	12@0	-30.2	PASS

							3	
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	1@0	-37.94	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	1@11	-17.05	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	12@0	-25.53	PASS

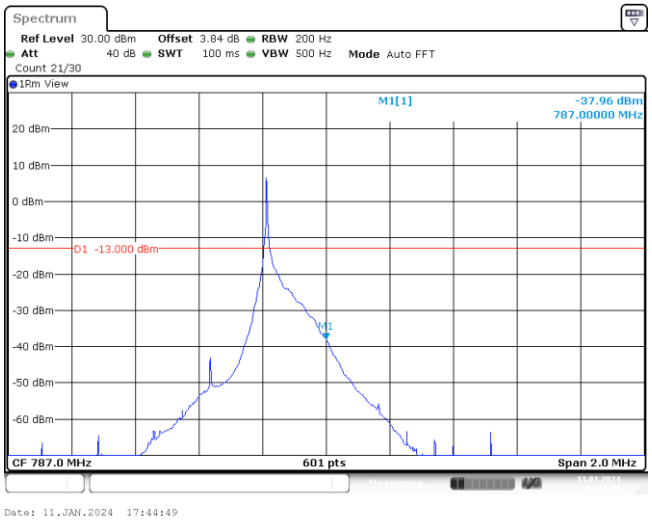
Test Graphs



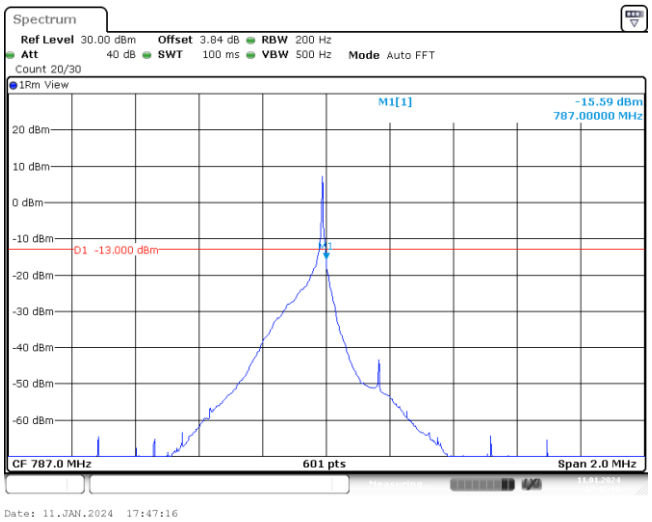
Band13-Stand-Alone-NaN-BPSK-23181-1@0-3.75kHz--15.32-PASS



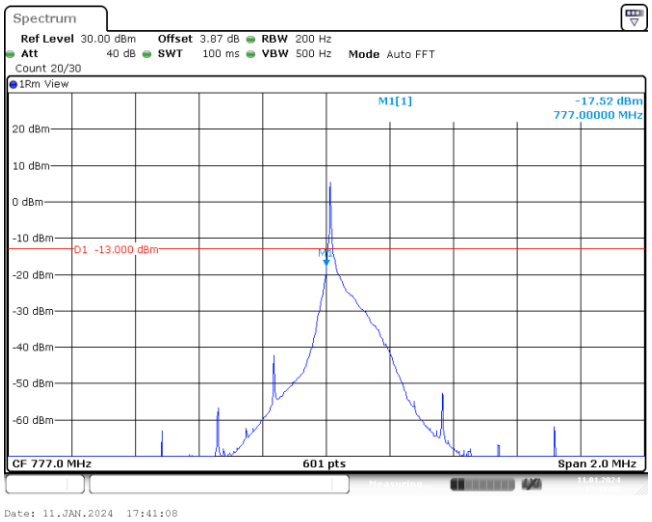
Band13-Stand-Alone-NaN-BPSK-23181-1@47-3.75kHz--38.29-PASS



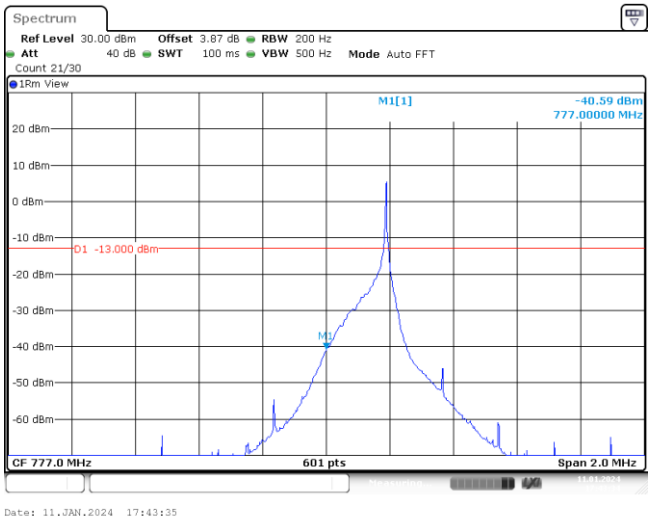
Band13-Stand-Alone-NaN-BPSK-23279-1@0-3.75kHz--37.96-PASS



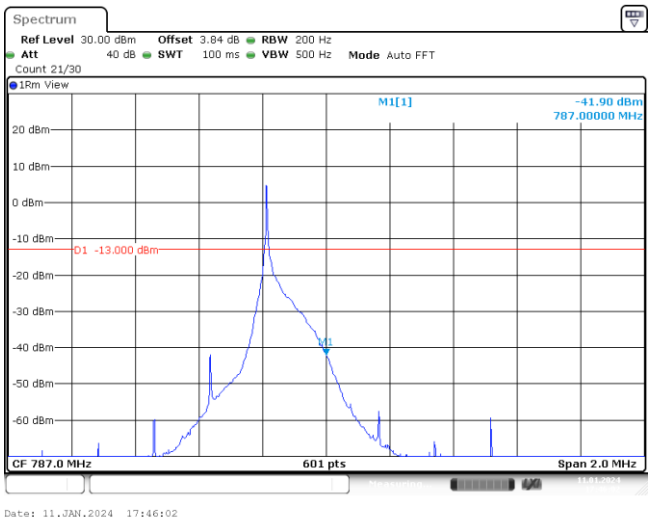
Band13-Stand-Alone-NaN-BPSK-23279-1@47-3.75kHz--15.59-PASS



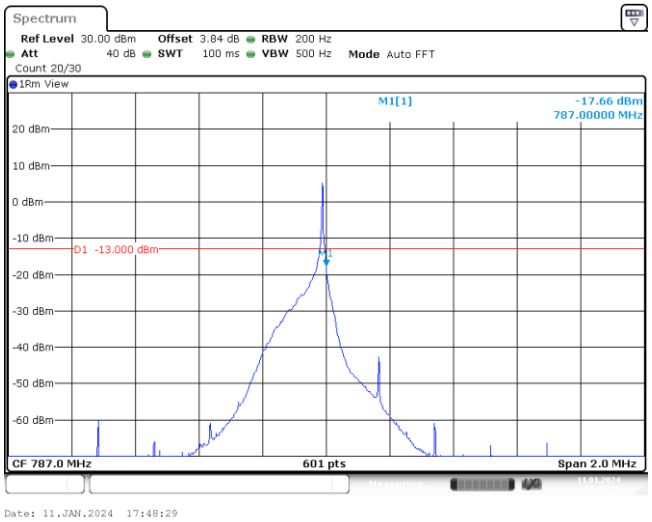
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz--17.52-PASS



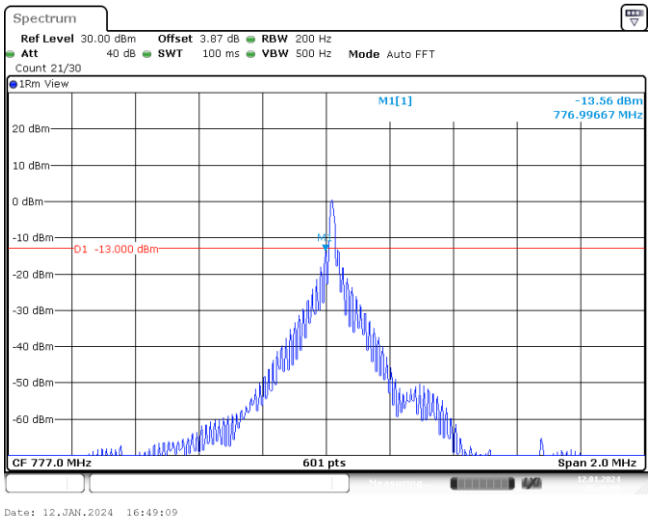
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz--40.59-PASS



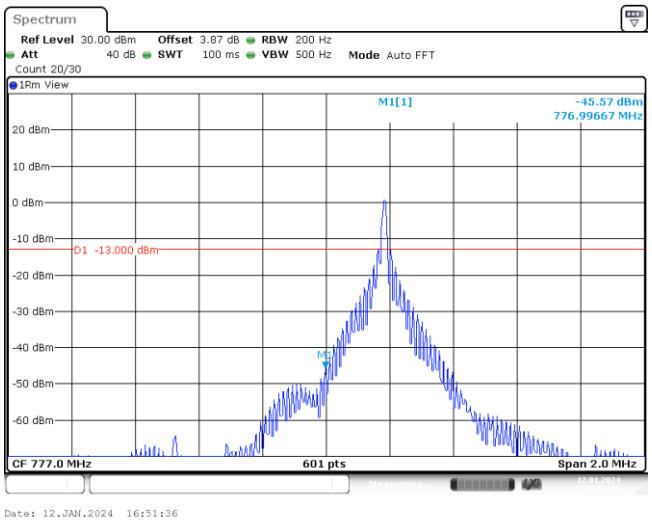
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz--41.90-PASS



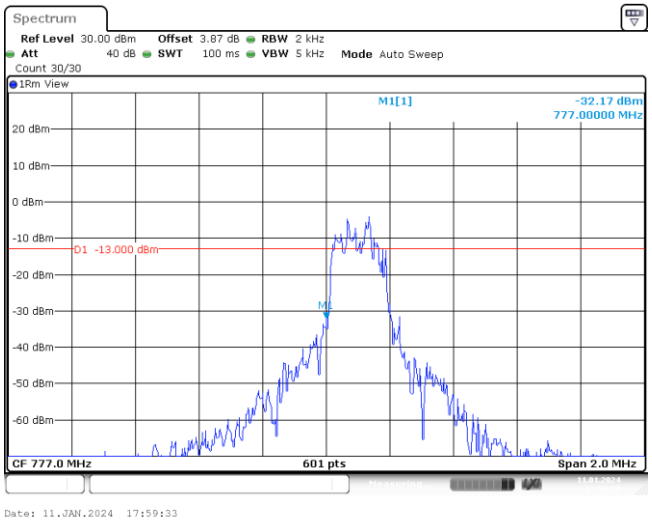
Band13-Stand-Alone-NaN-QPSK-23279-1@47-3.75kHz--17.66-PASS



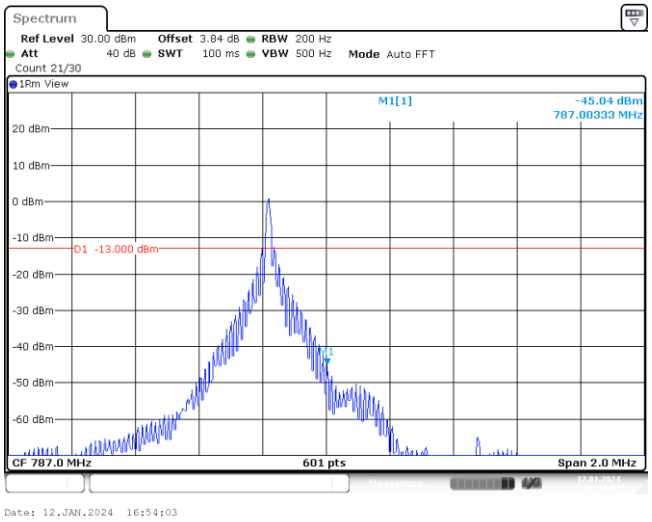
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz--13.56-PASS



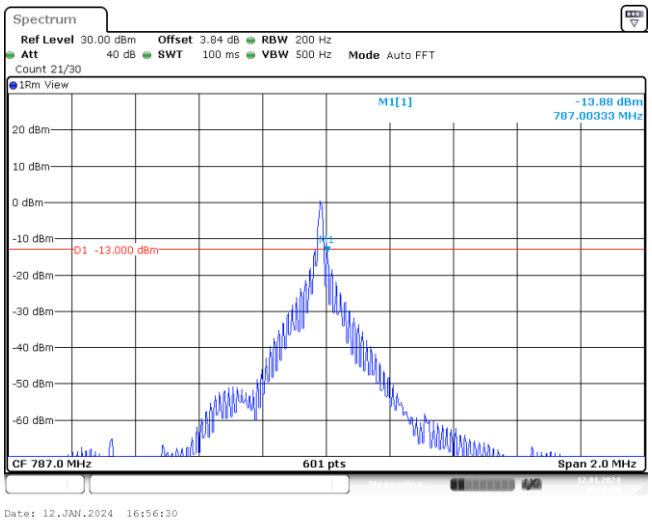
Band13-Stand-Alone-NaN-BPSK-23181-1@11-15kHz--45.57-PASS



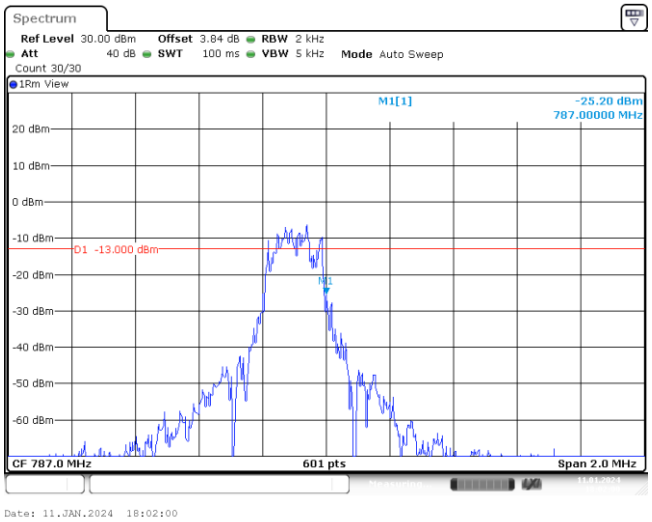
Band13-Stand-Alone-NaN-BPSK-23181-12@0-15kHz--32.17-PASS



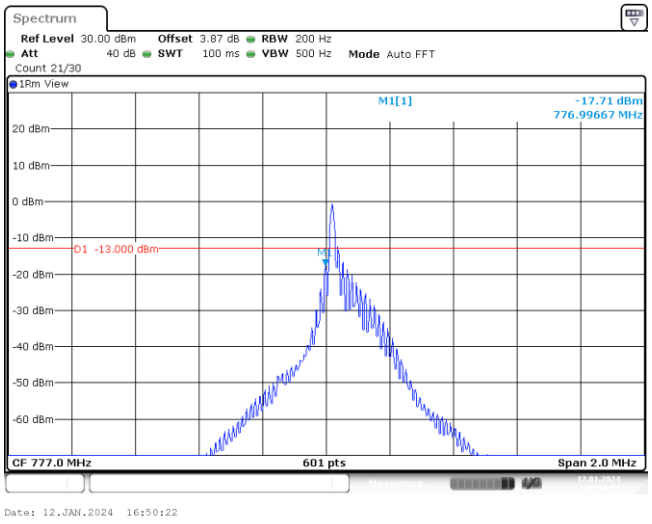
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz--45.04-PASS



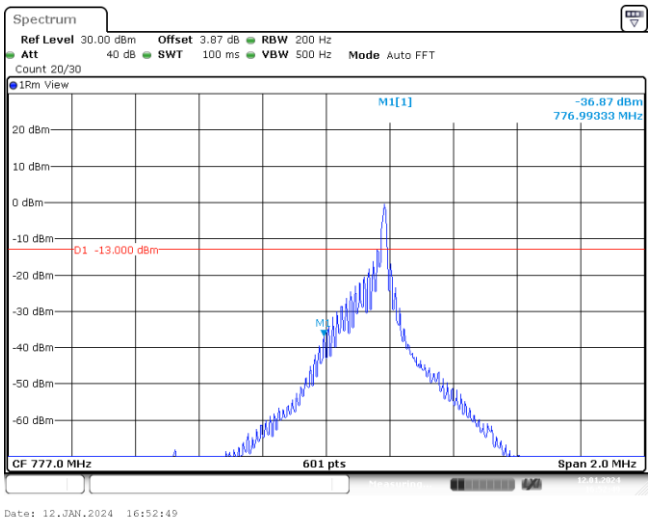
Band13-Stand-Alone-NaN-BPSK-23279-1@11-15kHz--13.88-PASS



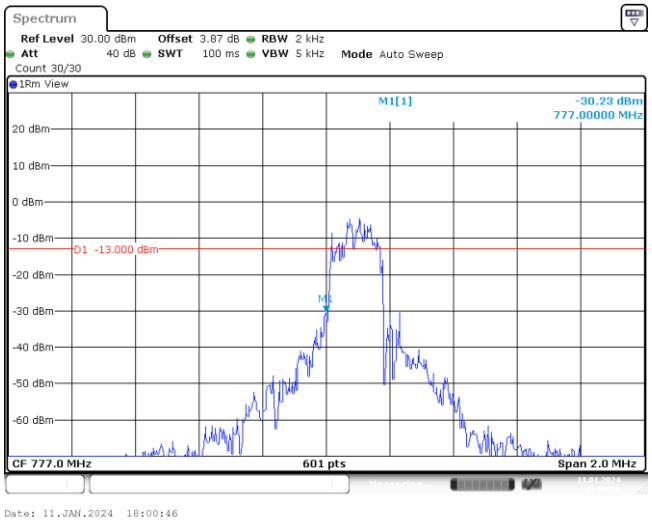
Band13-Stand-Alone-NaN-BPSK-23279-12@0-15kHz--25.20-PASS



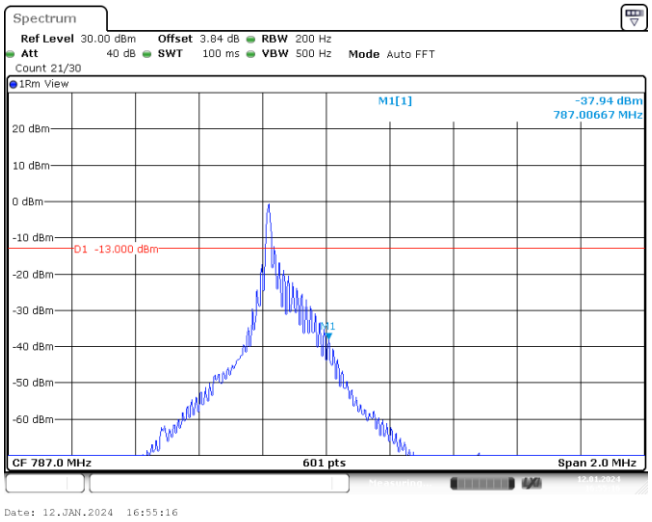
Band13-Stand-Alone-NaN-QPSK-23181-1@0-15kHz--17.71-PASS



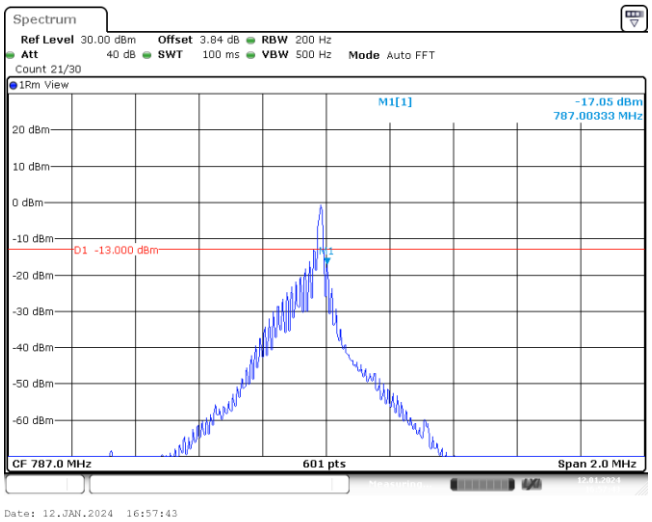
Band13-Stand-Alone-NaN-QPSK-23181-1@11-15kHz--36.87-PASS



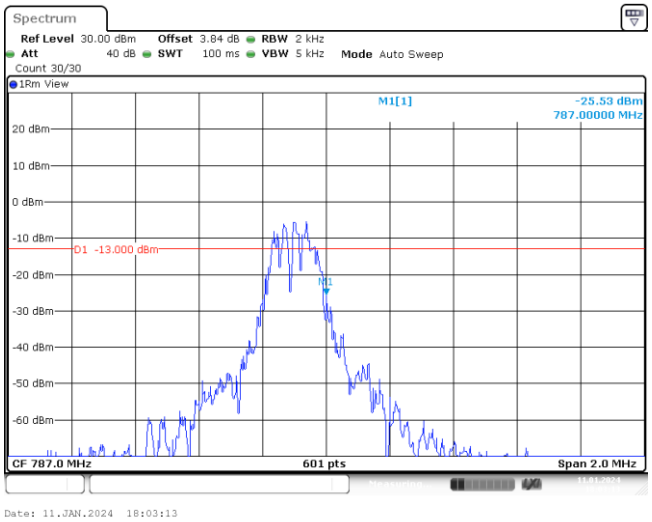
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz--30.23-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@0-15kHz--37.94-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@11-15kHz--17.05-PASS



Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz--25.53-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
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	0.009	0.15	-71.65	-33	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	0.15	30	-79.51	-23	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	30	1000	-62.53	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	763	775	-58.16	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	793	805	-65.67	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	1000	10000	-50	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	1559	1610	-51.43	-50	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	0.009	0.15	-69.66	-33	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	0.15	30	-77.56	-23	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	30	1000	-62.55	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	763	775	-57.56	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	793	805	-66.6	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	1000	10000	-50.29	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	1559	1610	-51.46	-50	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	0.009	0.15	-69.6	-33	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	0.15	30	-77.34	-23	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	30	1000	-63.72	-13	PASS

Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	763	775	-66.03	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	793	805	-66.37	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	1000	10000	-50	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	1559	1610	-51.35	-50	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	0.009	0.15	-70.41	-33	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	0.15	30	-80.1	-23	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	30	1000	-62.53	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	763	775	-66.6	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	793	805	-66.1	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	1000	10000	-50.27	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	1559	1610	-51.43	-50	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	0.009	0.15	-69.2	-33	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	0.15	30	-77.99	-23	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	30	1000	-64.49	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	763	775	-66.69	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	793	805	-66.67	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	1000	10000	-50.31	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	1559	1610	-51.3	-50	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	0.009	0.15	-70.28	-33	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	0.15	30	-78.77	-23	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	30	1000	-63.33	-13	PASS

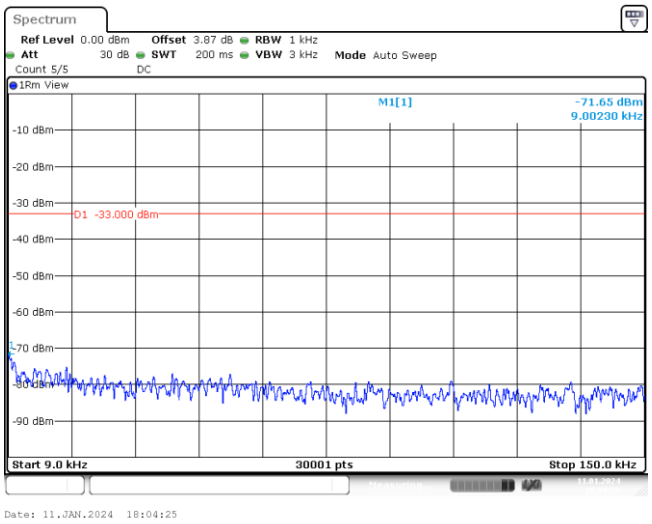
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	763	775	-66.59	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	793	805	-66.71	-35	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	1000	10000	-50.3	-13	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	1559	1610	-51.43	-50	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	0.009	0.15	-69.69	-33	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	0.15	30	-80.24	-23	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	30	1000	-63.53	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	763	775	-60.42	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	793	805	-66.41	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	1000	10000	-50.2	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	1559	1610	-51.48	-50	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	0.009	0.15	-72.8	-33	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	0.15	30	-79.35	-23	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	30	1000	-62.71	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	763	775	-60.86	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	793	805	-66.51	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	1000	10000	-50.19	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	1559	1610	-51.44	-50	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	0.009	0.15	-71.35	-33	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	0.15	30	-79.39	-23	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	30	1000	-64.85	-13	PASS

Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	763	775	-66.37	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	793	805	-66.59	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	1000	10000	-50.16	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	1559	1610	-51.47	-50	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	0.009	0.15	-70.45	-33	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	0.15	30	-78.34	-23	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	30	1000	-62.16	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	763	775	-65.66	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	793	805	-66.92	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	1000	10000	-50.26	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	1559	1610	-51.49	-50	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	0.009	0.15	-70.5	-33	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	0.15	30	-79.32	-23	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	30	1000	-62.99	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	763	775	-66.89	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	793	805	-66.2	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	1000	10000	-50.26	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	1559	1610	-51.45	-50	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	0.009	0.15	-74.62	-33	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	0.15	30	-79.73	-23	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	30	1000	-64.61	-13	PASS

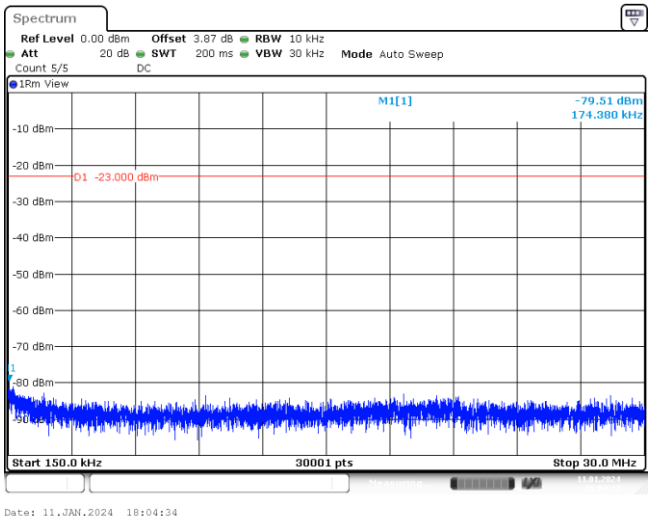
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	763	775	-66.17	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	793	805	-66.15	-35	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	1000	10000	-50.38	-13	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	1559	1610	-51.32	-50	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	12@0	0.009	0.15	-74.11	-33	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	12@0	0.15	30	-73.42	-23	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	12@0	30	1000	-64.48	-13	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	12@0	763	775	-66.5	-35	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	12@0	793	805	-66.51	-35	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	12@0	1000	10000	-50.08	-13	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	12@0	1559	1610	-51.38	-50	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	12@0	0.009	0.15	-69.98	-33	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	12@0	0.15	30	-80.82	-23	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	12@0	30	1000	-64.38	-13	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	12@0	763	775	-66.45	-35	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	12@0	793	805	-66.54	-35	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	12@0	1000	10000	-50.48	-13	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	12@0	1559	1610	-51.5	-50	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	12@0	0.009	0.15	-70.16	-33	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	12@0	0.15	30	-79.39	-23	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	12@0	30	1000	-64.69	-13	PASS

Band13	Stand-Alone	15kHz	NaN	QPSK	23279	12@0	763	775	-65.81	-35	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	12@0	793	805	-66.8	-35	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	12@0	1000	10000	-50.48	-13	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	12@0	1559	1610	-51.4	-50	PASS

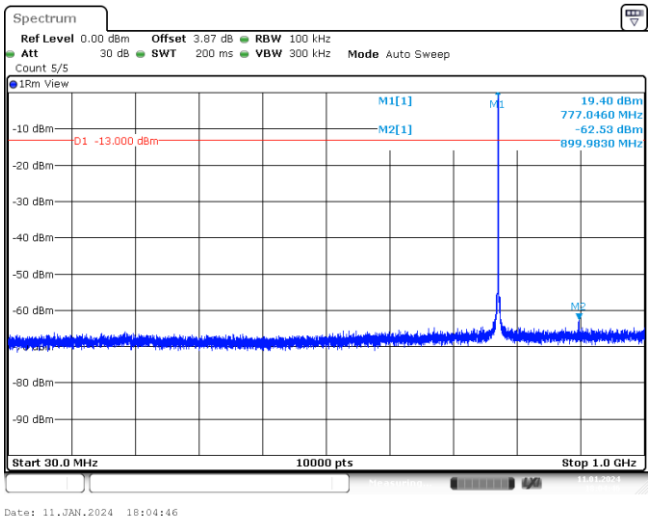
Test Graphs



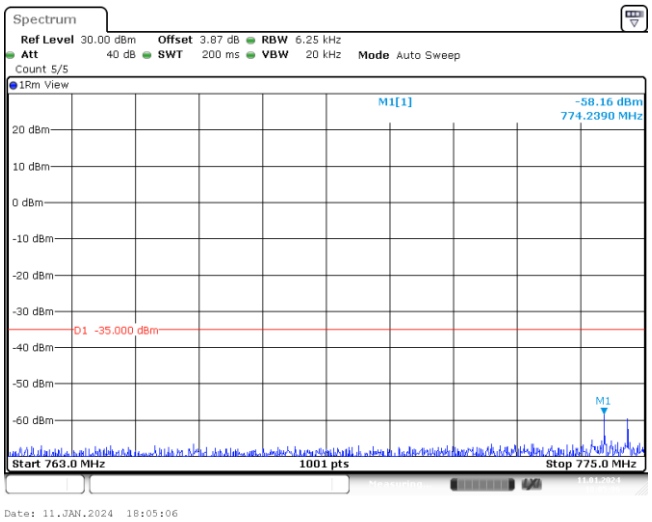
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-0.009-0.15--71.65--33-PASS



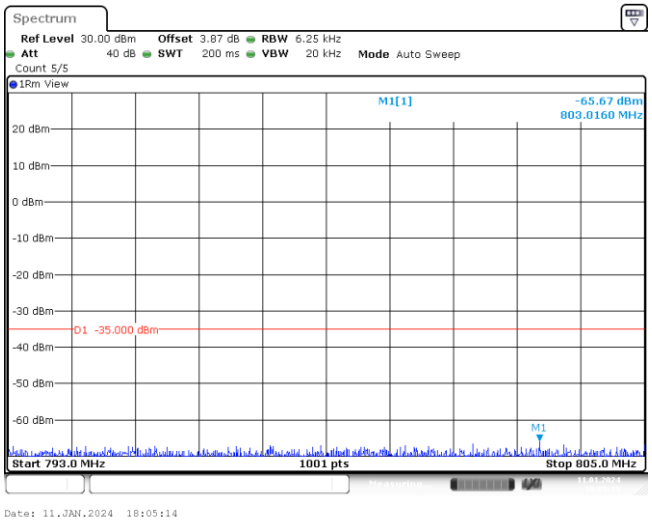
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-0.15-30--79.51--23-PASS



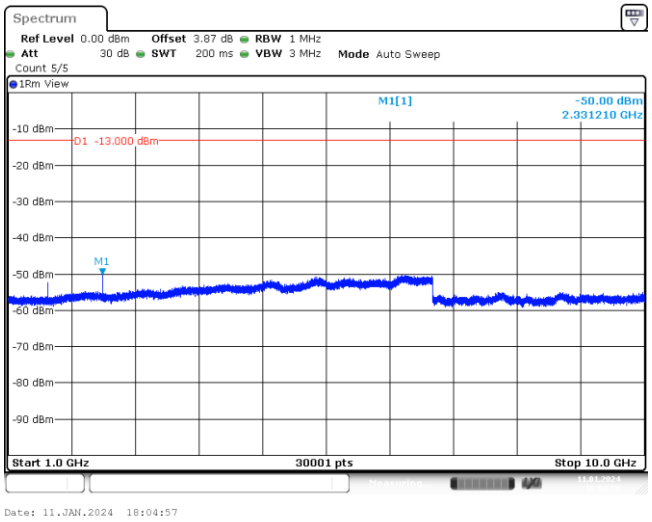
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-30-1000--62.53--13-PASS



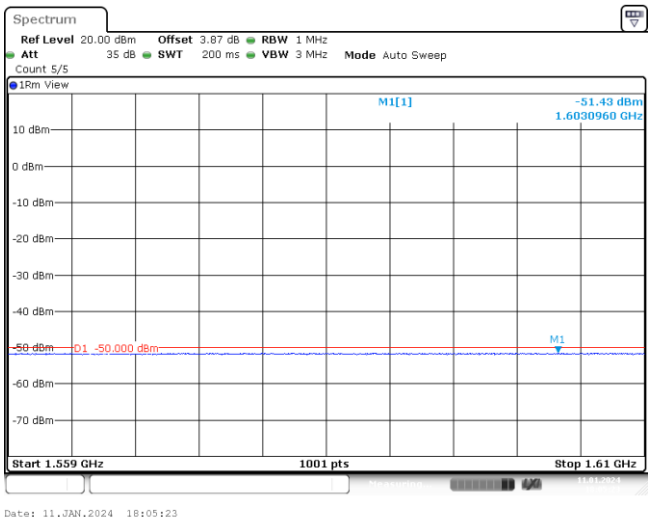
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-763-775--58.16--35-PASS



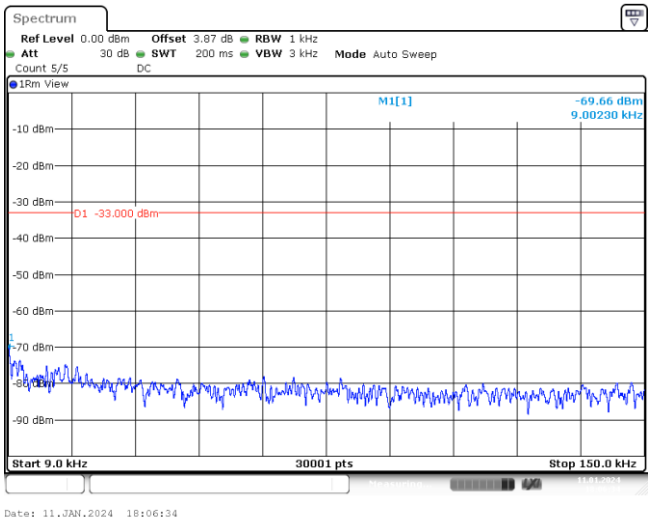
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-793-805--65.67--35-PASS



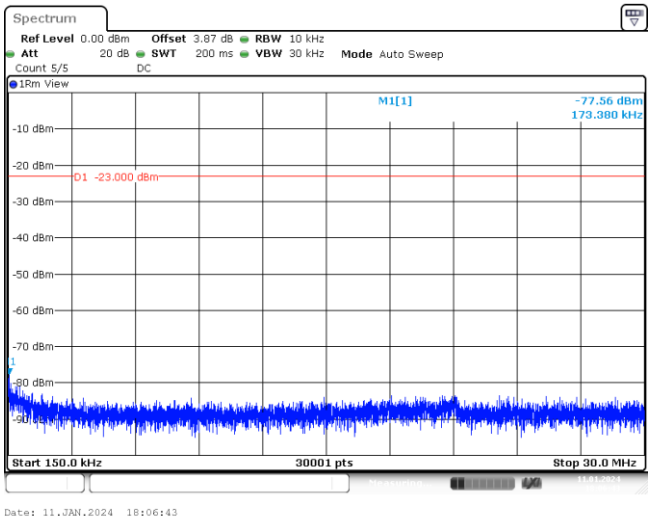
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-1000-10000--50--13-PASS



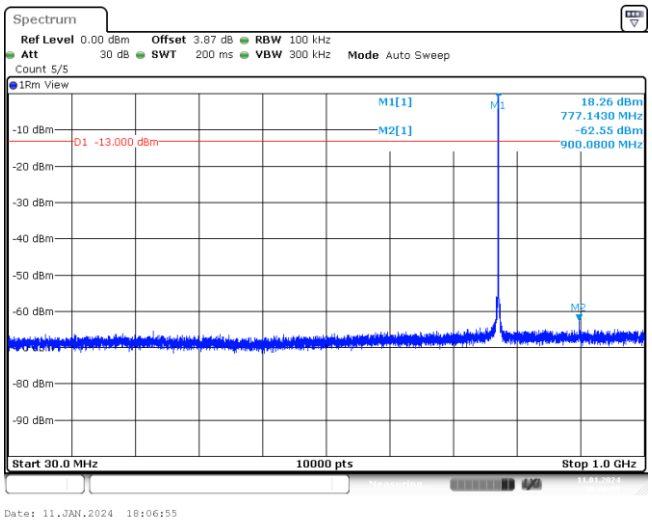
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-1559-1610--51.43--50-PASS



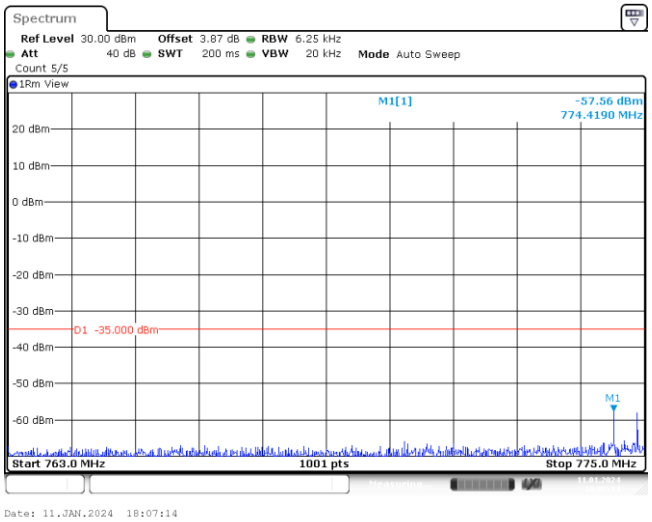
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-0.009-0.15--69.66--33-PASS



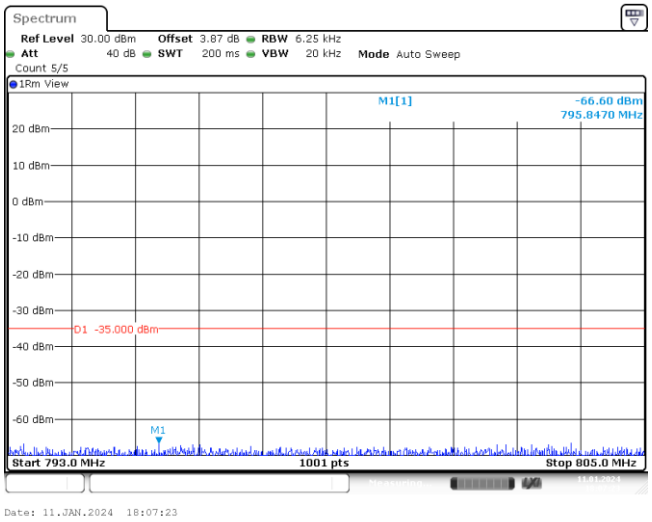
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-0.15-30--77.56--23-PASS



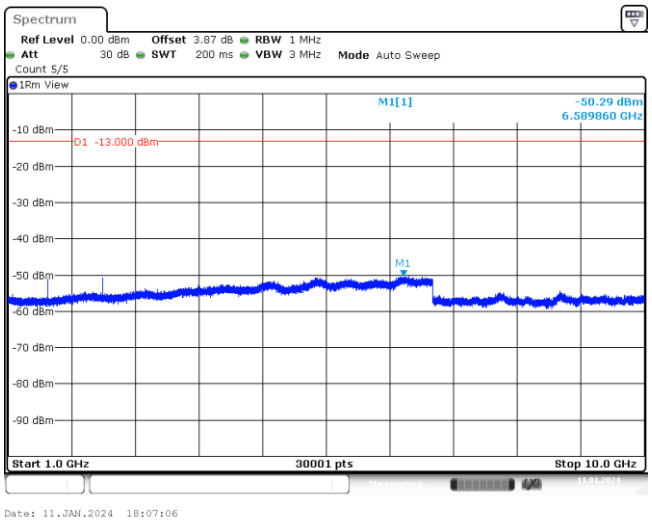
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-30-1000--62.55--13-PASS



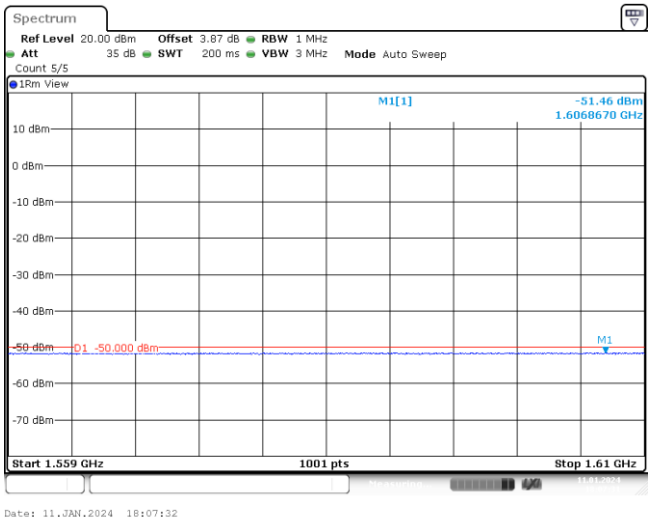
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-763-775--57.56--35-PASS



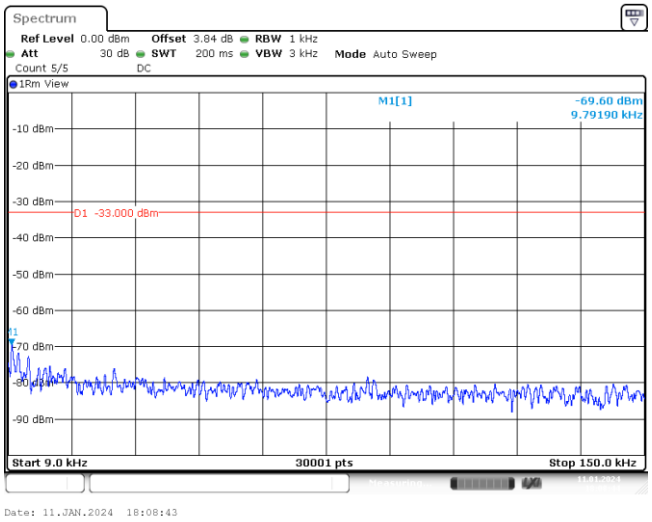
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-793-805--66.6--35-PASS



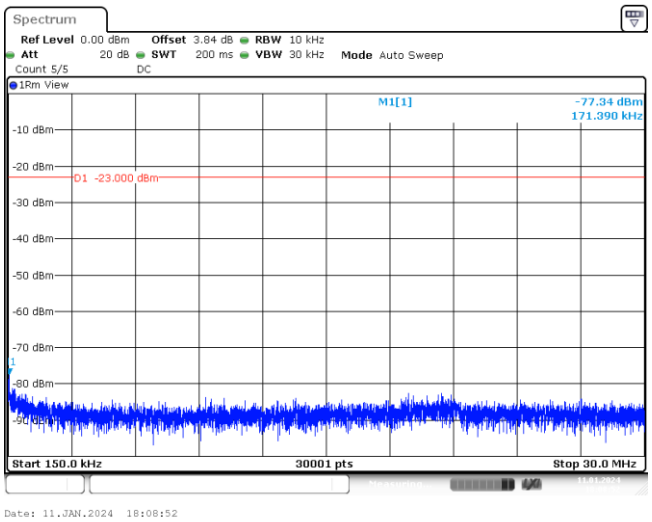
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-1000-10000--50.29--13-PASS



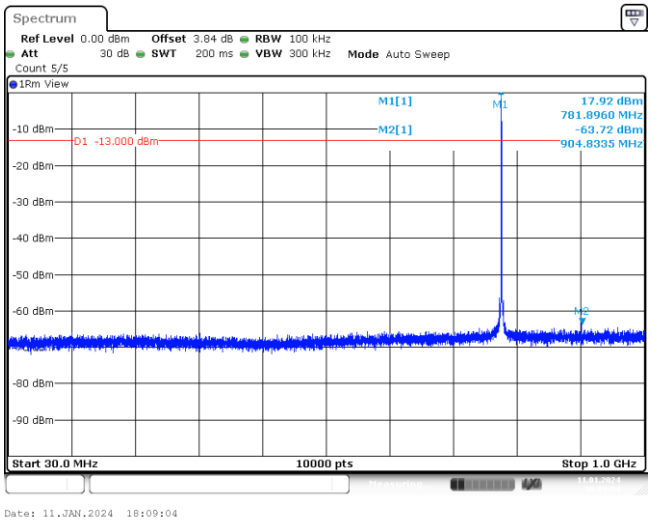
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-1559-1610--51.46--50-PASS



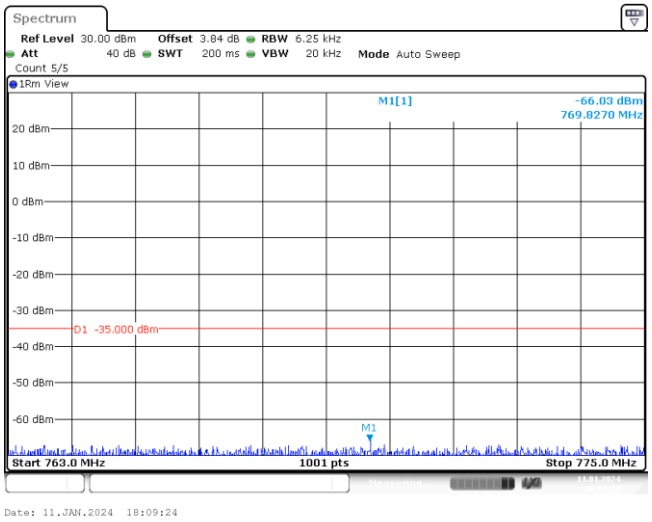
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-0.009-0.15--69.6--33-PASS



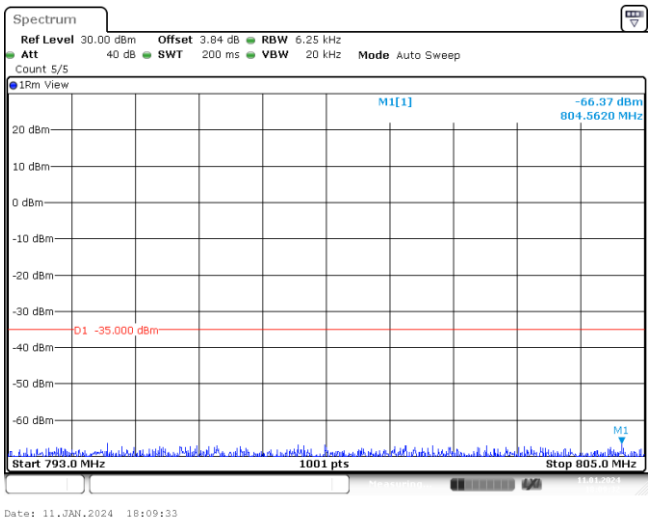
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-0.15-30--77.34--23-PASS



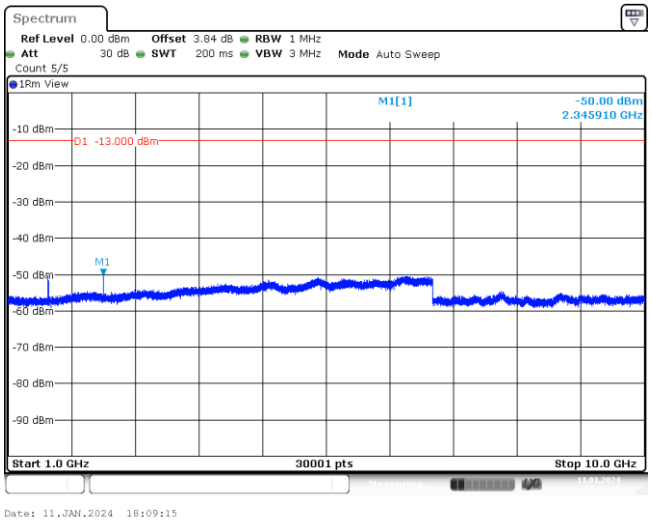
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-30-1000--63.72--13-PASS



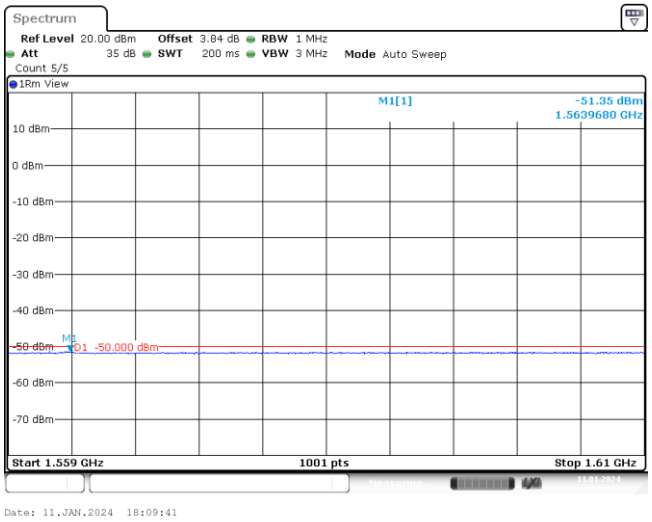
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-763-775--66.03--35-PASS



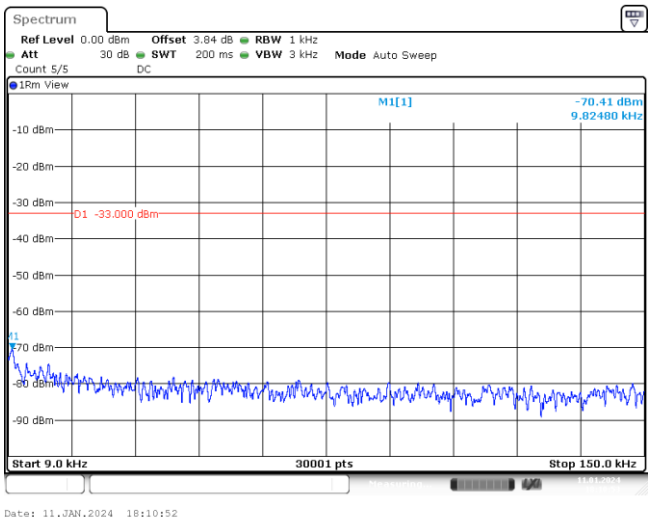
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-793-805--66.37--35-PASS



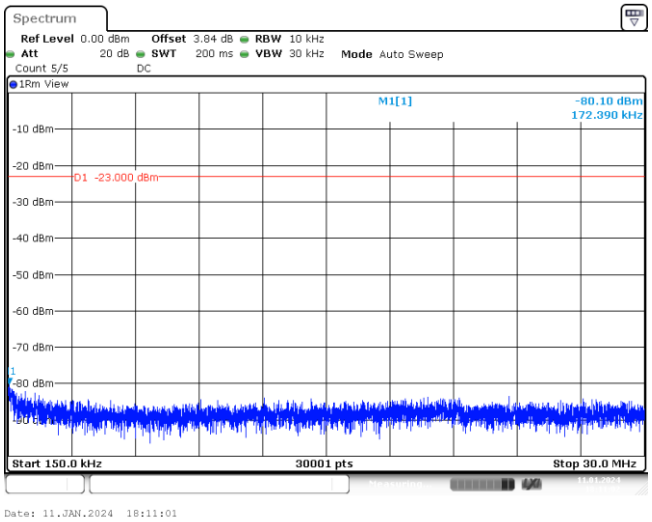
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-1000-10000--50--13-PASS



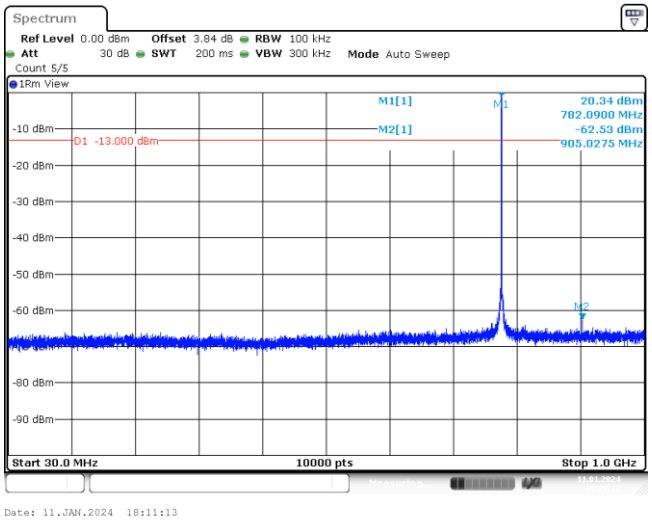
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-1559-1610--51.35--50-PASS



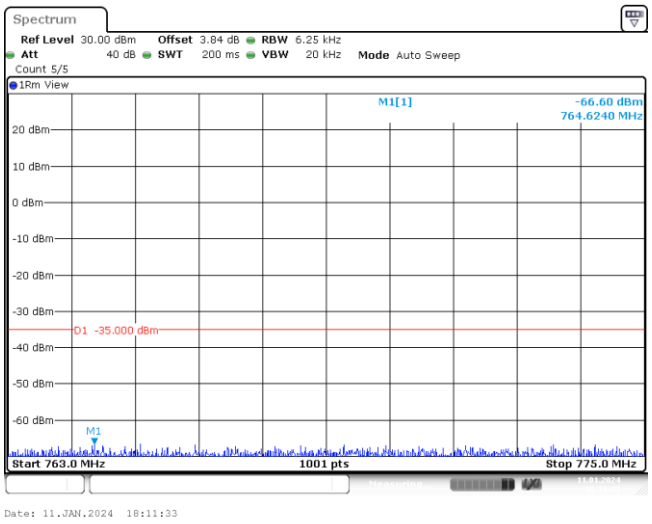
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-0.009-0.15--70.41--33-PASS



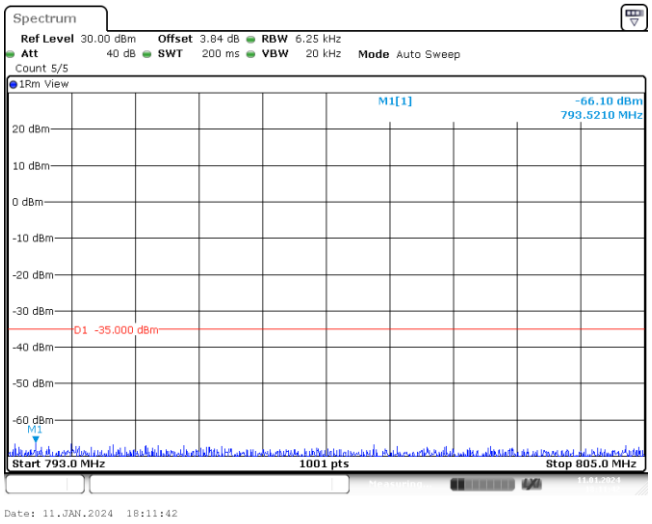
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-0.15-30--80.1--23-PASS



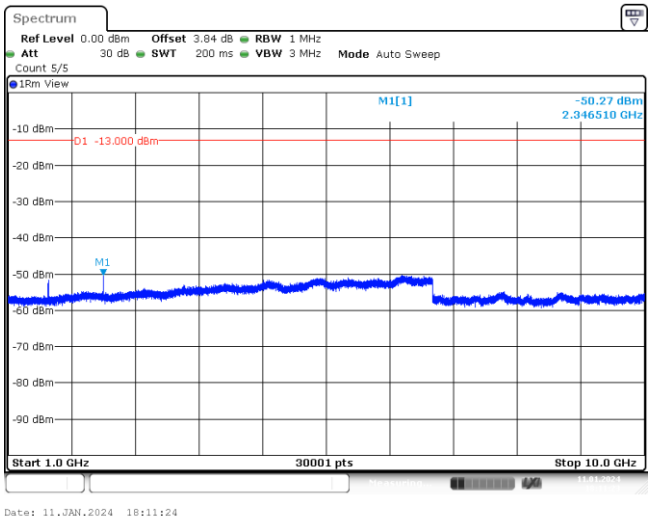
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-30-1000--62.53--13-PASS



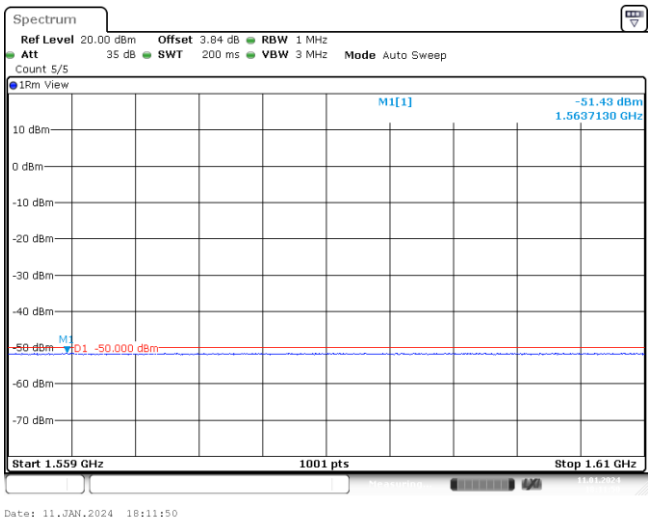
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-763-775--66.6--35-PASS



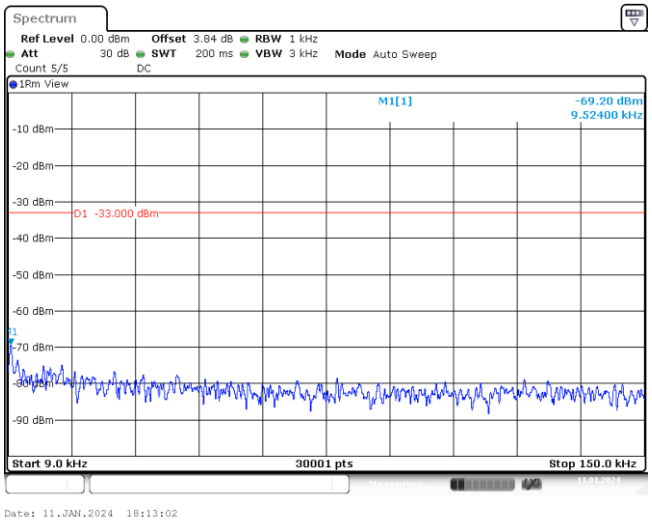
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-793-805--66.1--35-PASS



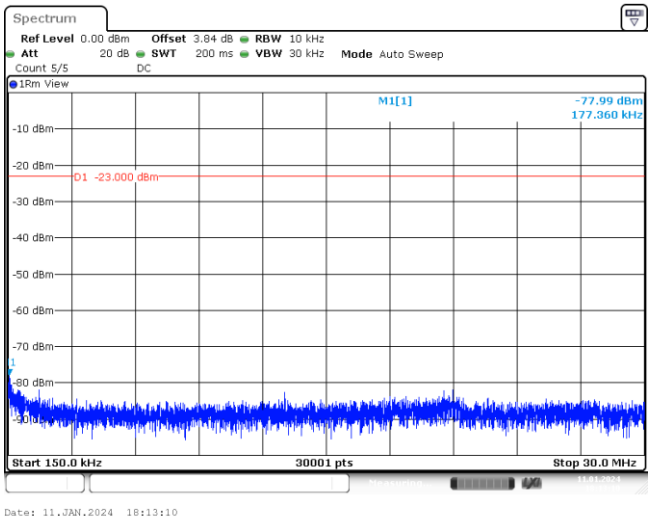
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-1000-10000--50.27--13-PASS



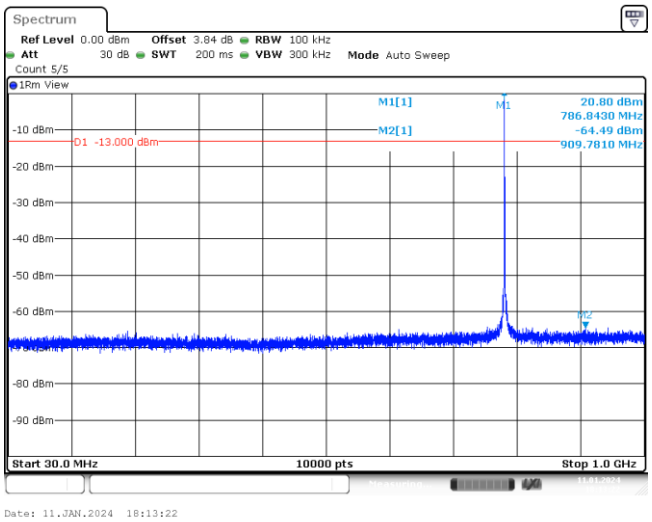
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-1559-1610--51.43--50-PASS



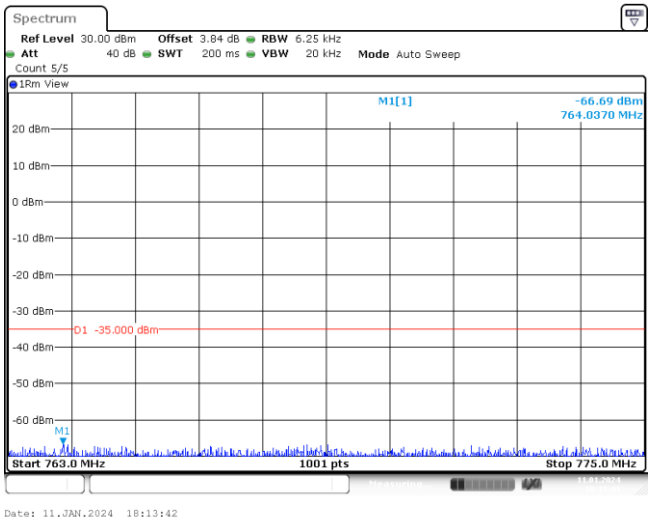
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-0.009-0.15--69.2--33-PASS



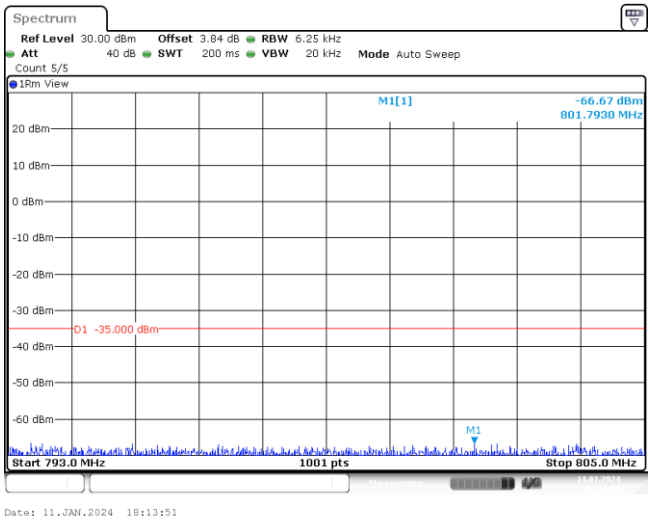
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-0.15-30--77.99--23-PASS



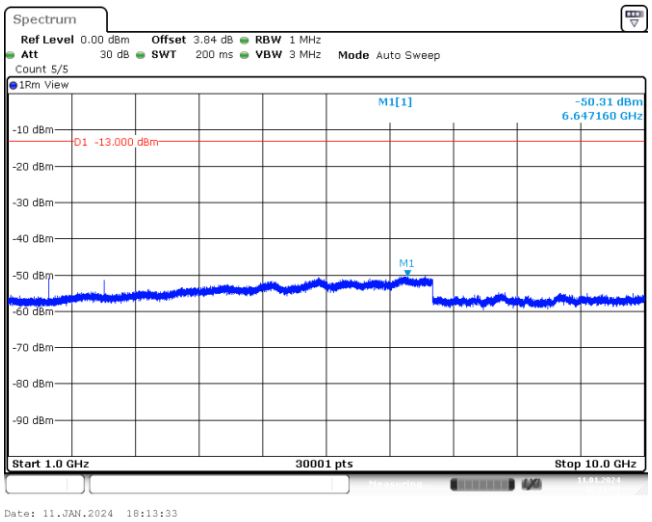
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-30-1000--64.49--13-PASS



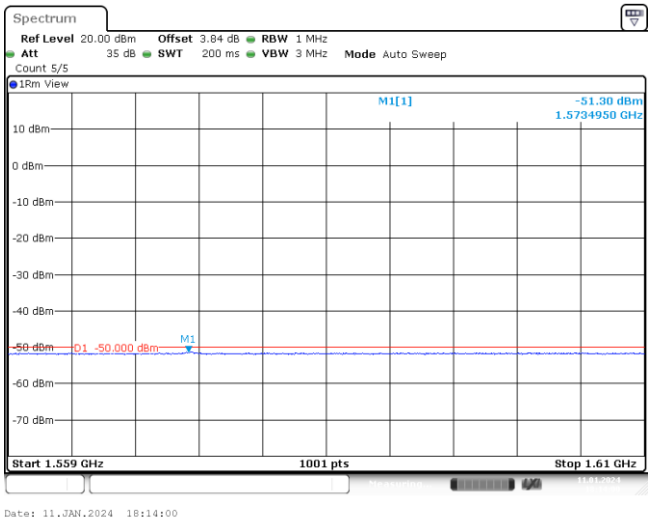
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-763-775--66.69--35-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-793-805--66.67--35-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-1000-10000--50.31--13-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-1559-1610--51.3--50-PASS