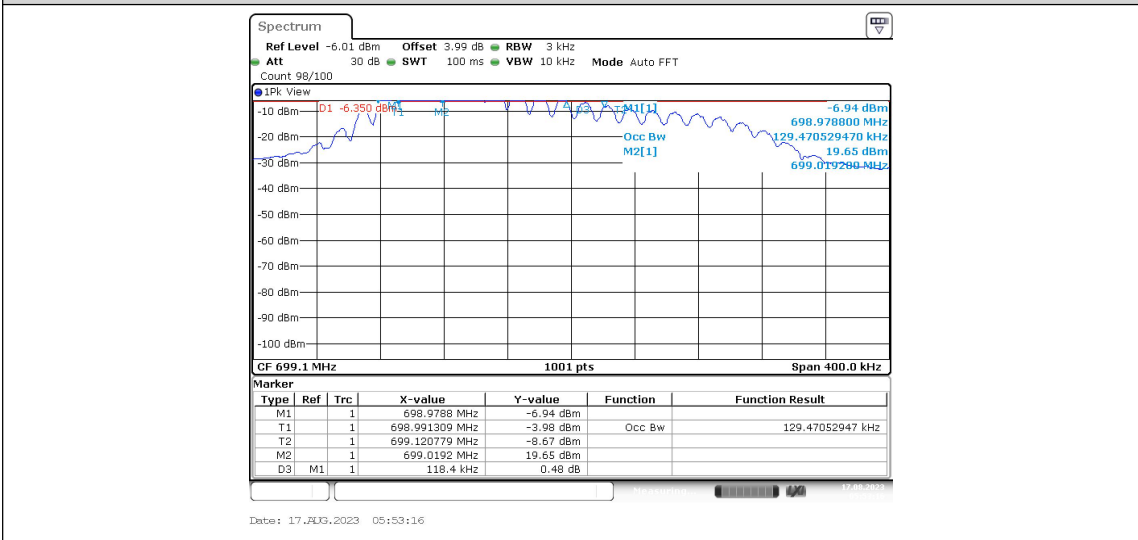
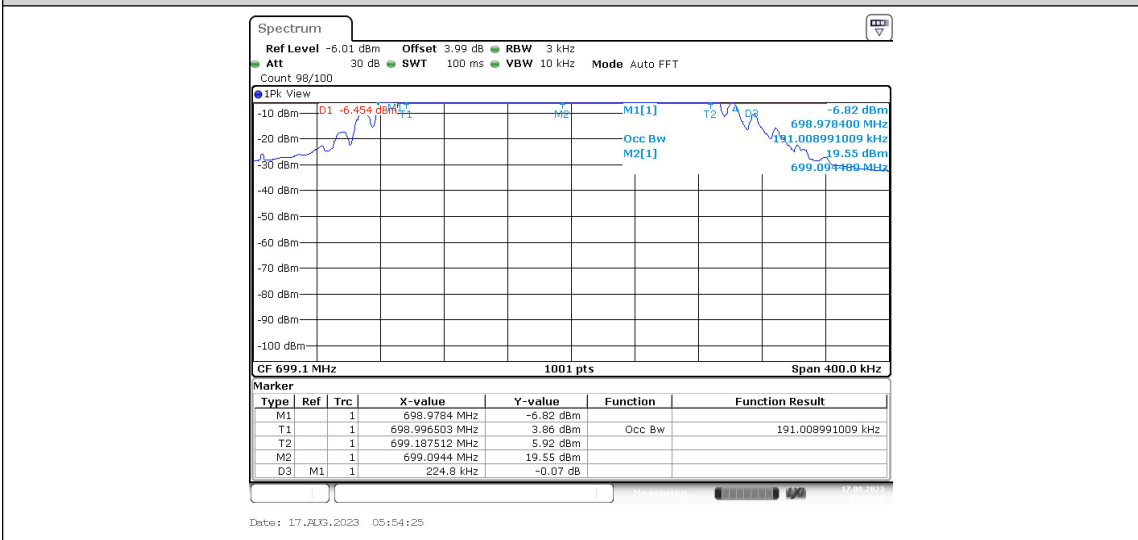


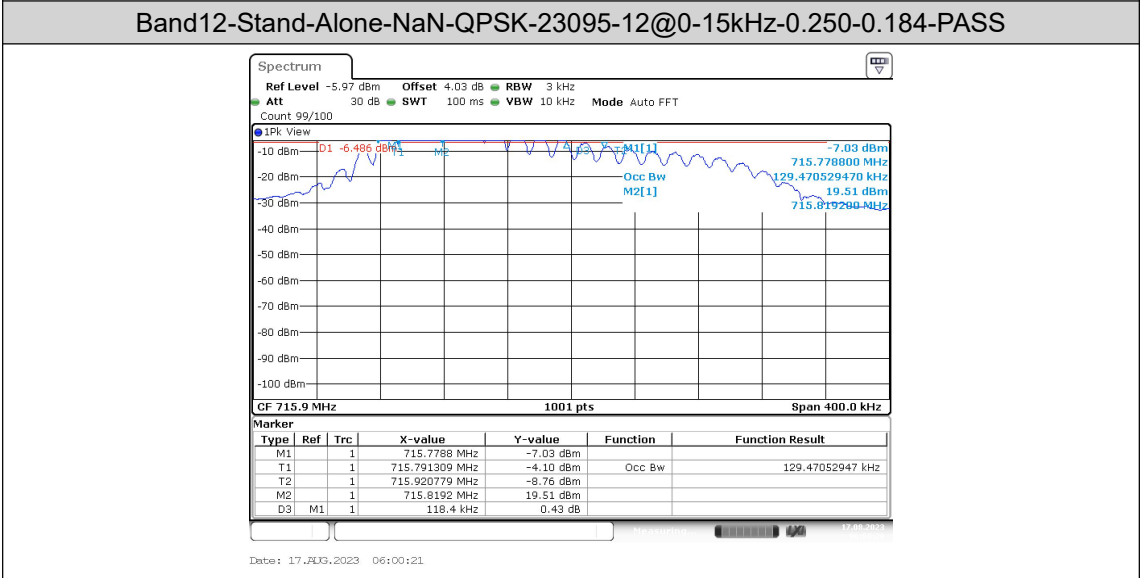
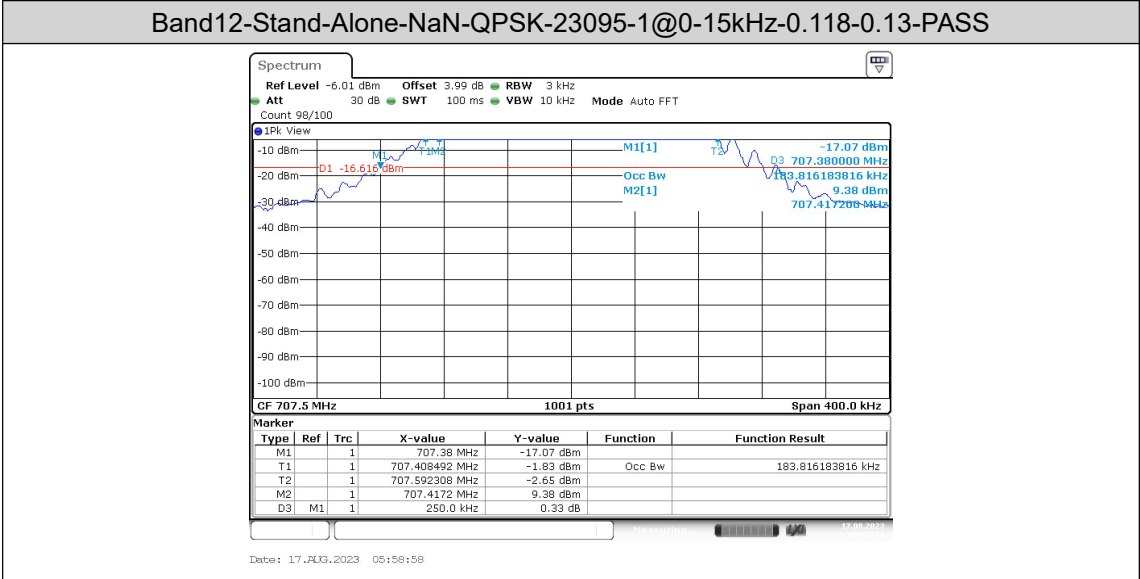
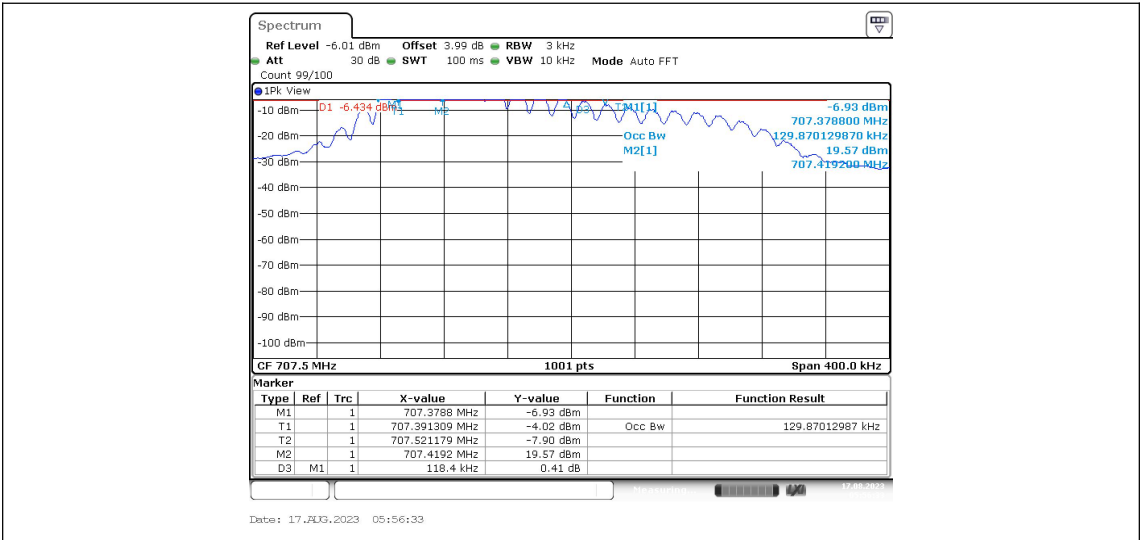
**Band12-Stand-Alone-NaN-BPSK-23179-12@0-15kHz-0.225-0.195-PASS**

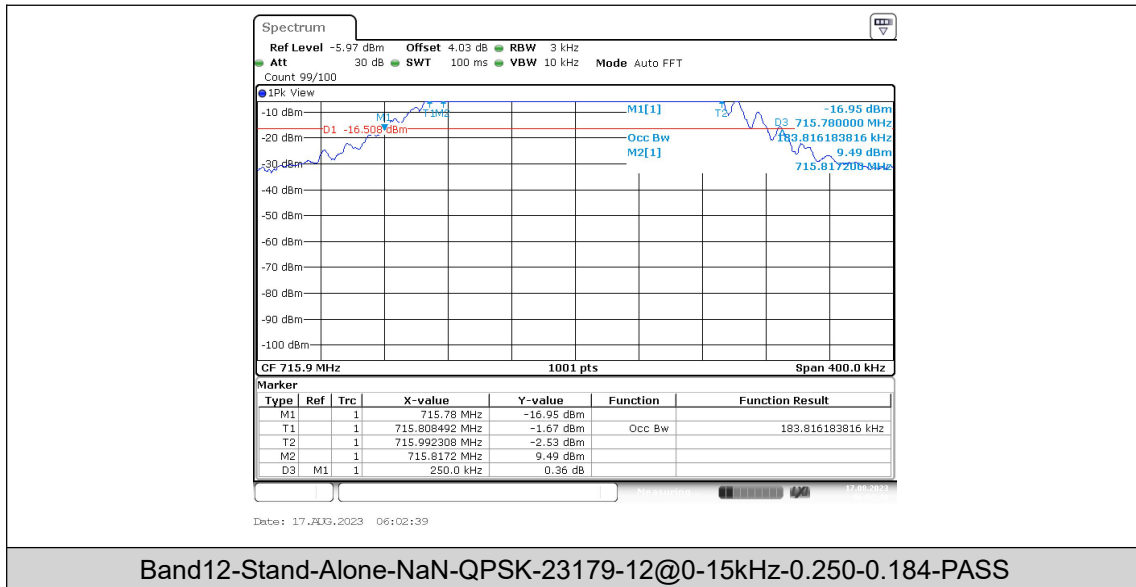


**Band12-Stand-Alone-NaN-QPSK-23011-1@0-15kHz-0.118-0.129-PASS**



**Band12-Stand-Alone-NaN-QPSK-23011-12@0-15kHz-0.225-0.191-PASS**



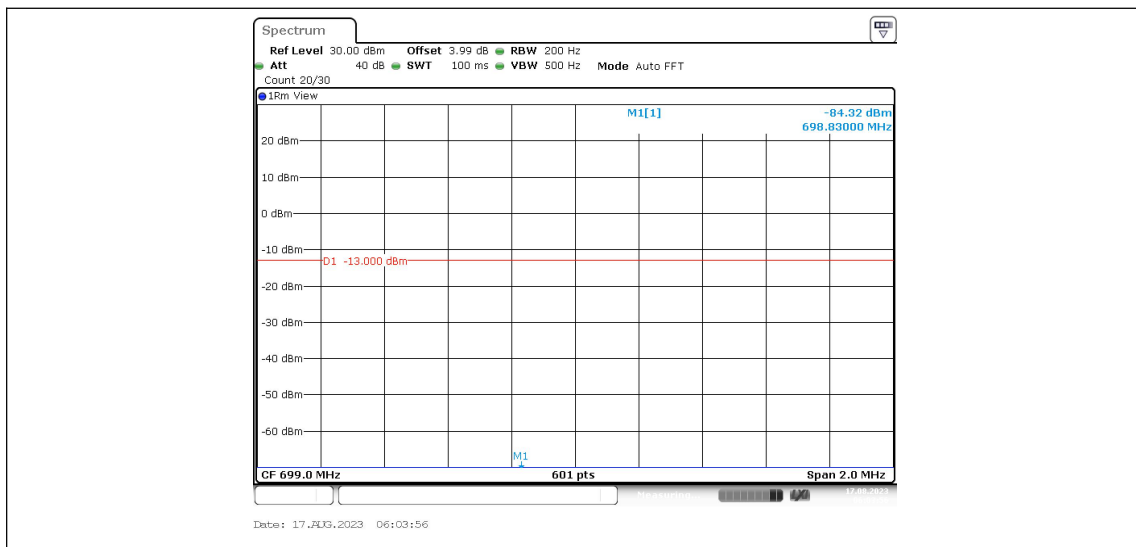


## Appendix D: Band Edge for NB1

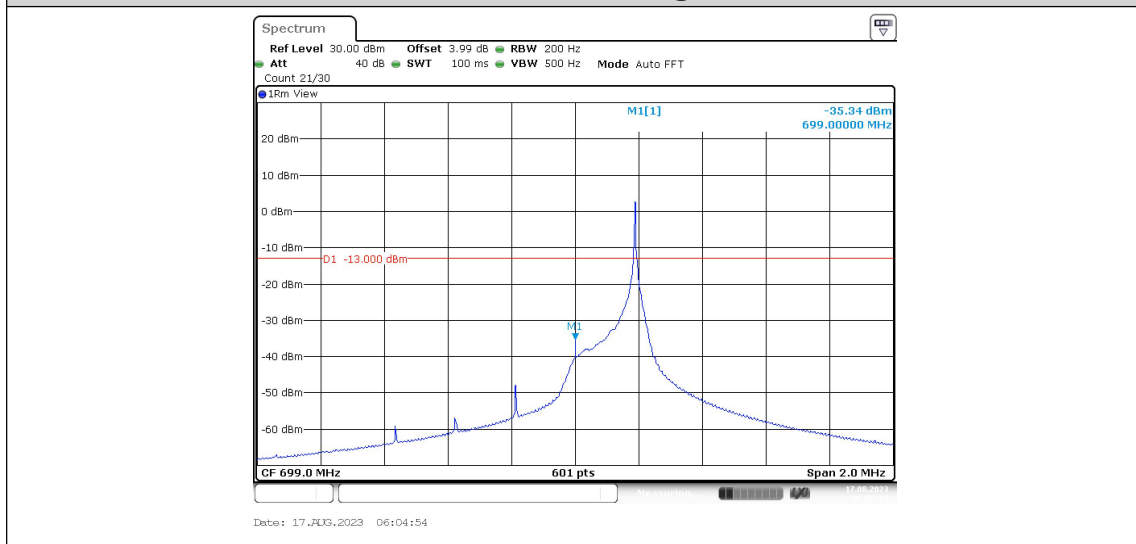
### Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	Verdict
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23011	1@0	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23011	1@47	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23179	1@0	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23179	1@47	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@0	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@47	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@0	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@47	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23011	1@0	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23011	1@11	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23011	12@0	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23179	1@0	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23179	1@11	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23179	12@0	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23011	1@0	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23011	1@11	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23011	12@0	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23179	1@0	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23179	1@11	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23179	12@0	PASS

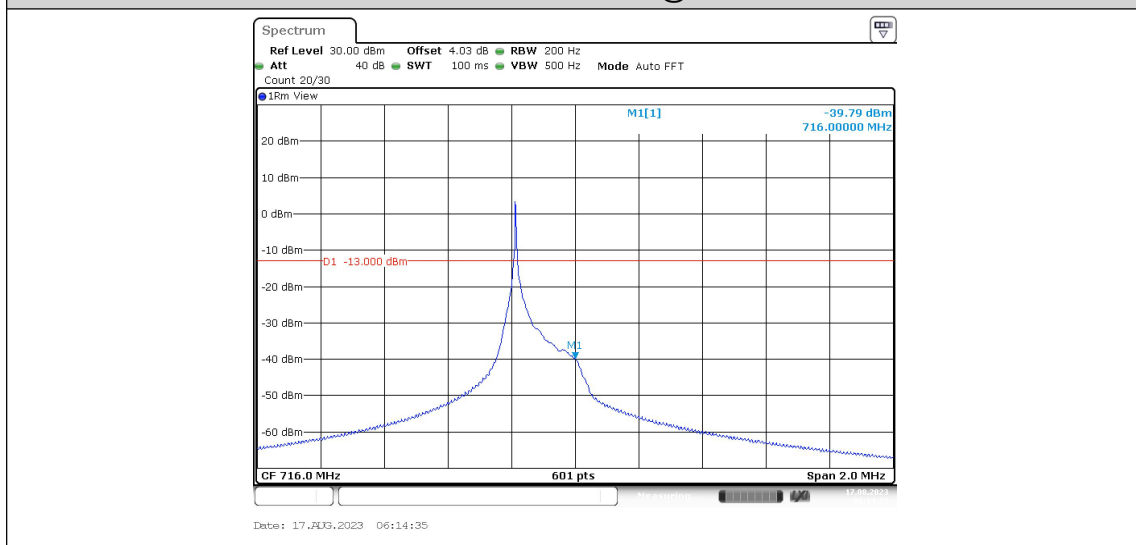
### Test Graphs



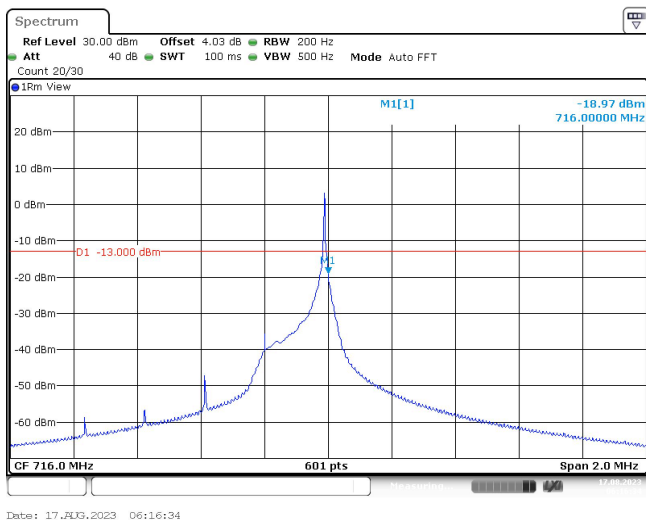
Band12-Stand-Alone-NaN-BPSK-23011-1@0-3.75kHz--84.32-PASS



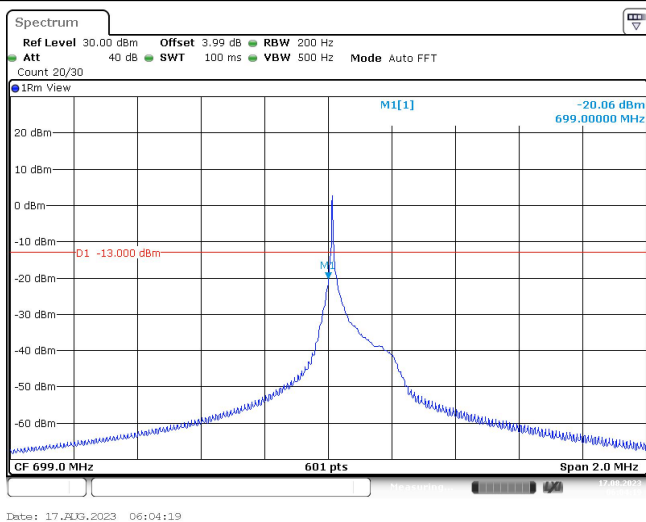
Band12-Stand-Alone-NaN-BPSK-23011-1@47-3.75kHz--35.34-PASS



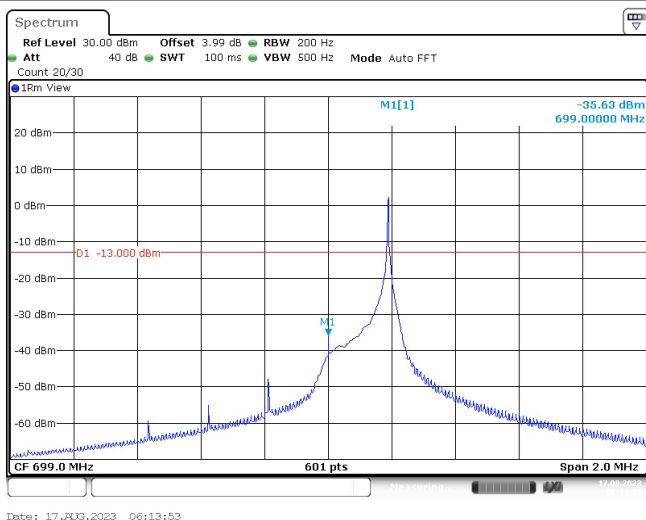
Band12-Stand-Alone-NaN-BPSK-23179-1@0-3.75kHz--39.79-PASS



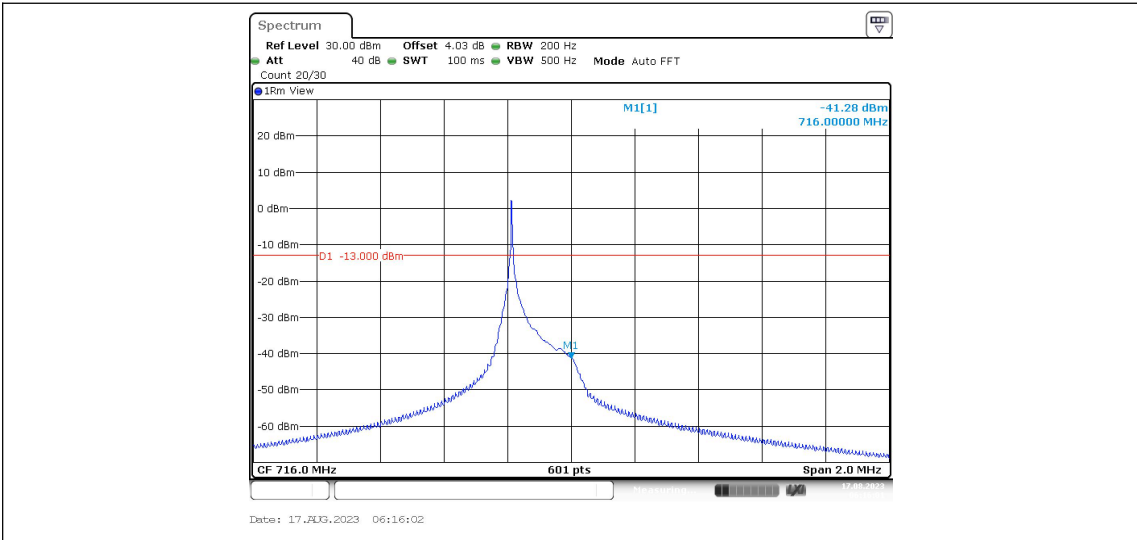
Band12-Stand-Alone-NaN-BPSK-23179-1@47-3.75kHz--18.97-PASS



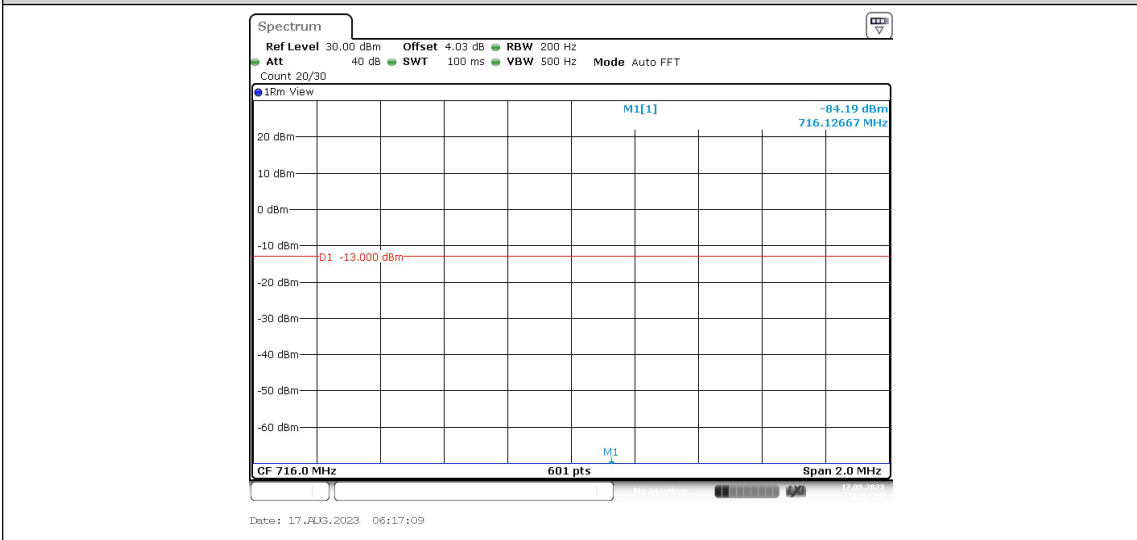
Band12-Stand-Alone-NaN-QPSK-23011-1@0-3.75kHz--20.06-PASS



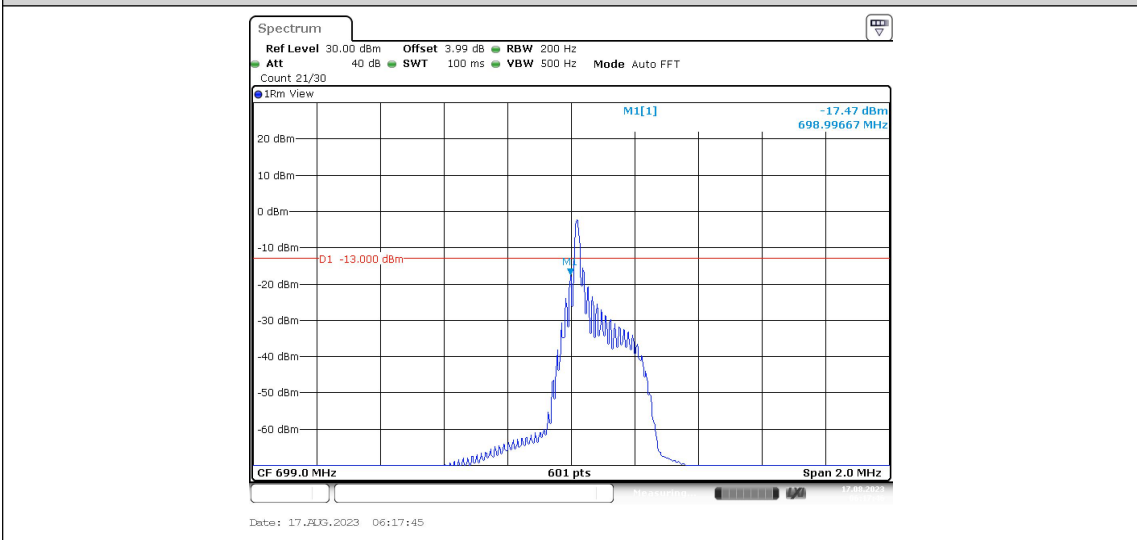
Band12-Stand-Alone-NaN-QPSK-23011-1@47-3.75kHz--35.63-PASS



Band12-Stand-Alone-NaN-QPSK-23179-1@0-3.75kHz--41.28-PASS

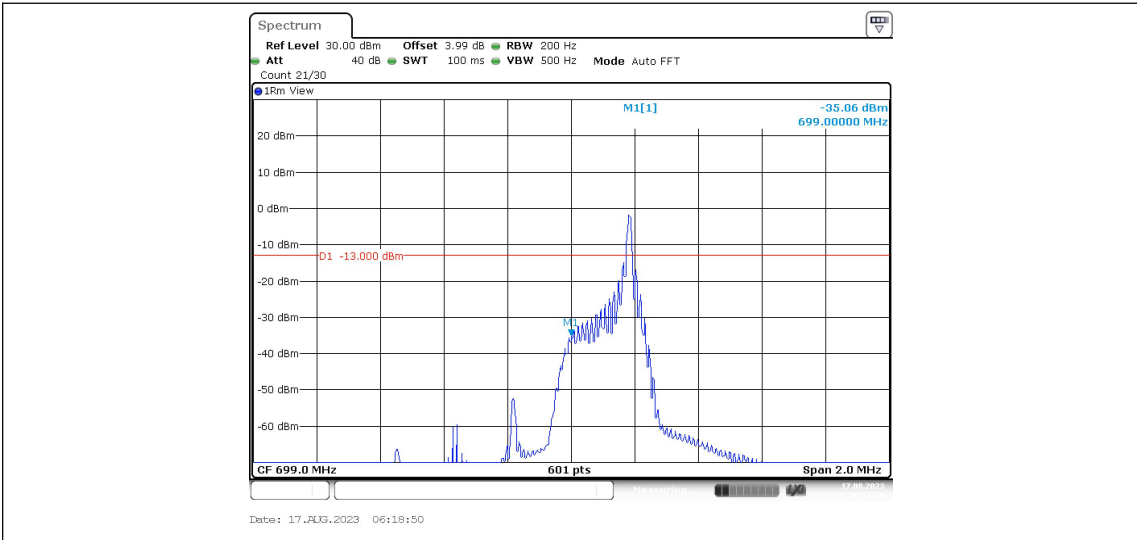


Band12-Stand-Alone-NaN-QPSK-23179-1@47-3.75kHz--84.19-PASS

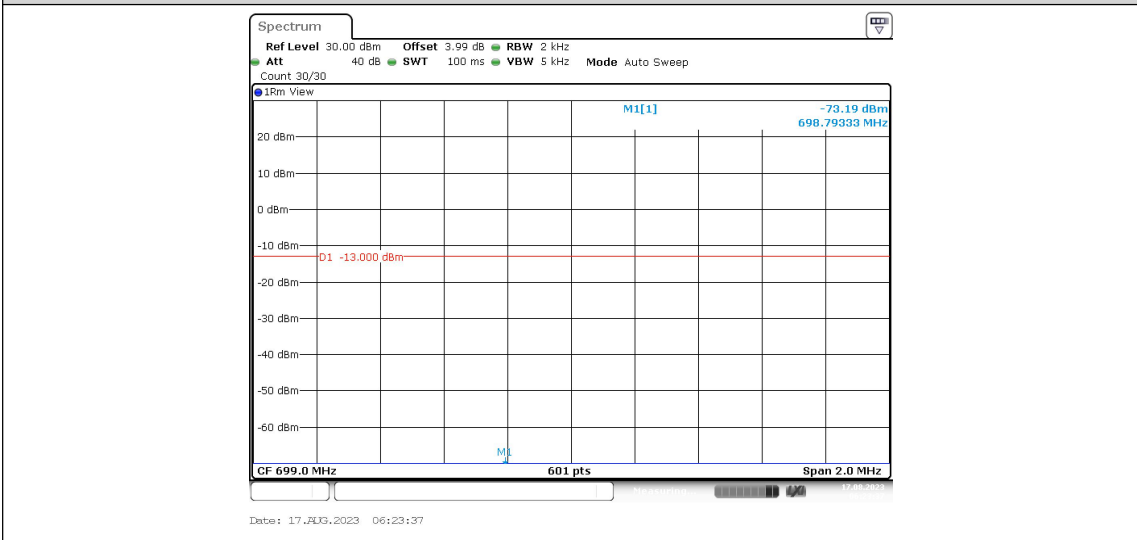


Band12-Stand-Alone-NaN-BPSK-23011-1@0-15kHz--17.47-PASS

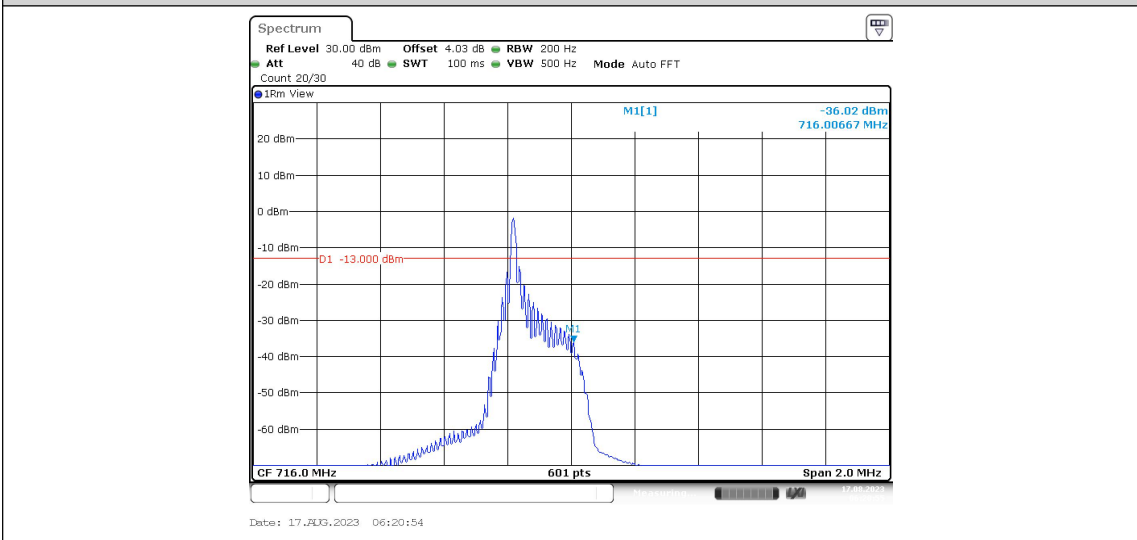




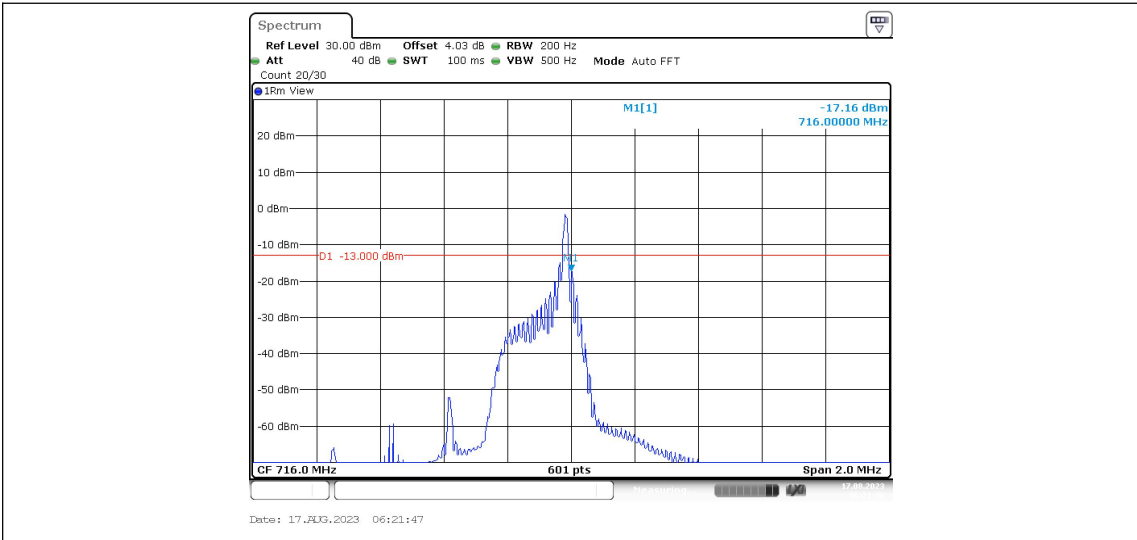
Band12-Stand-Alone-NaN-BPSK-23011-1@11-15kHz--35.06-PASS



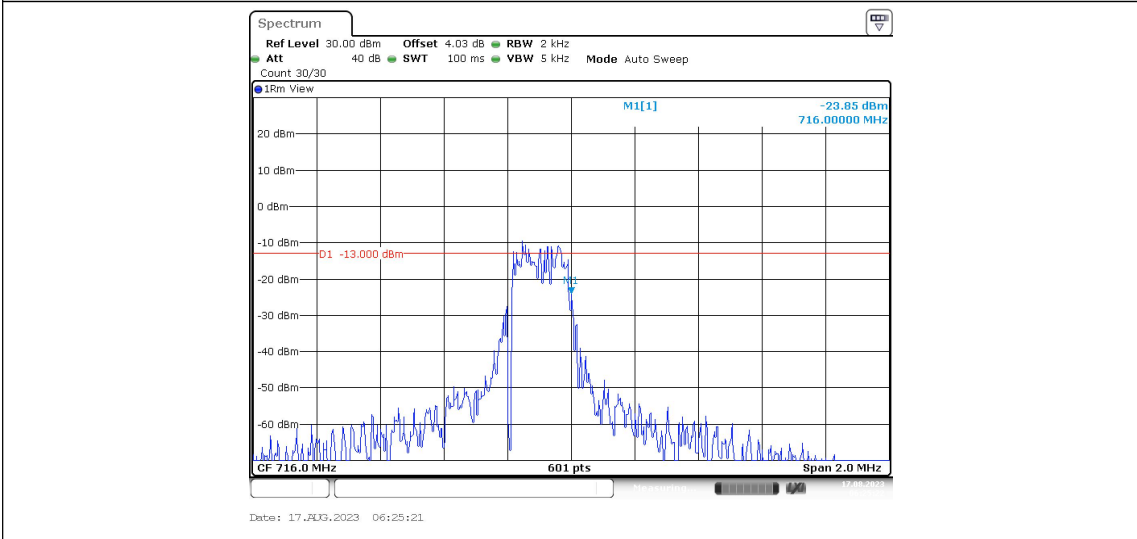
Band12-Stand-Alone-NaN-BPSK-23011-12@0-15kHz--73.19-PASS



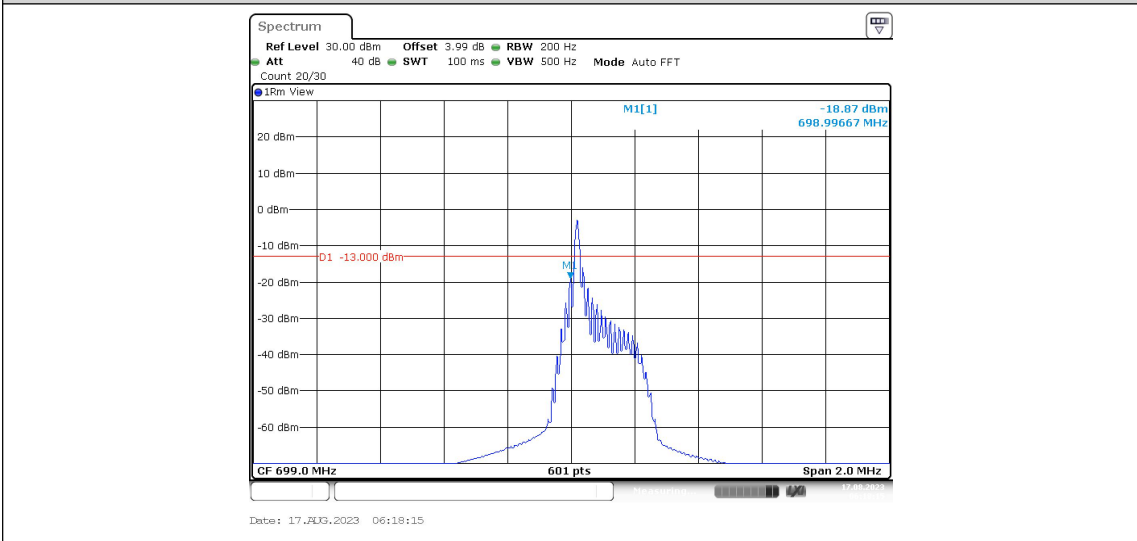
Band12-Stand-Alone-NaN-BPSK-23179-1@0-15kHz--36.02-PASS



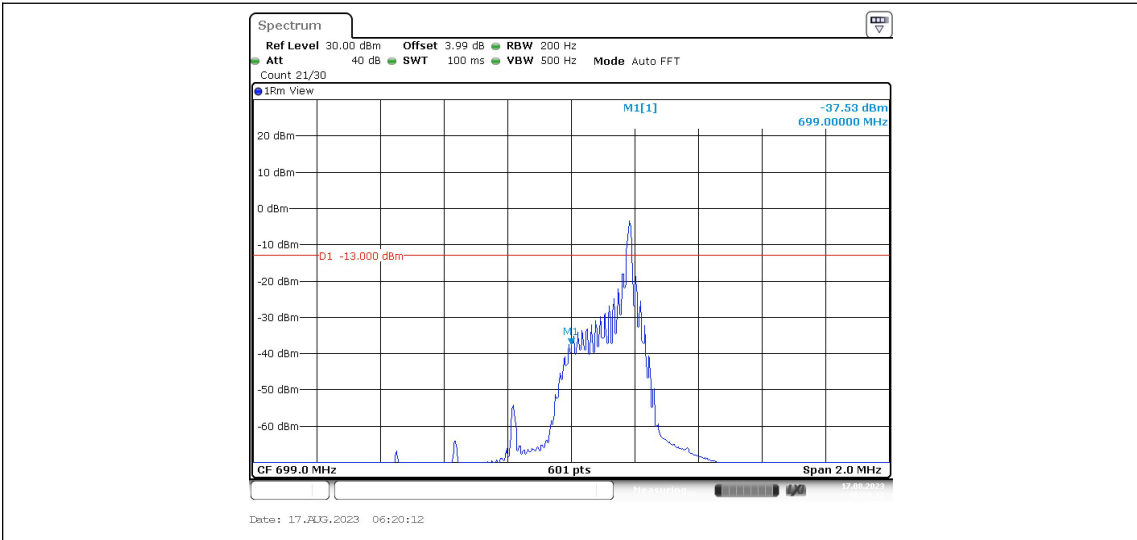
Band12-Stand-Alone-NaN-BPSK-23179-1@11-15kHz--17.16-PASS



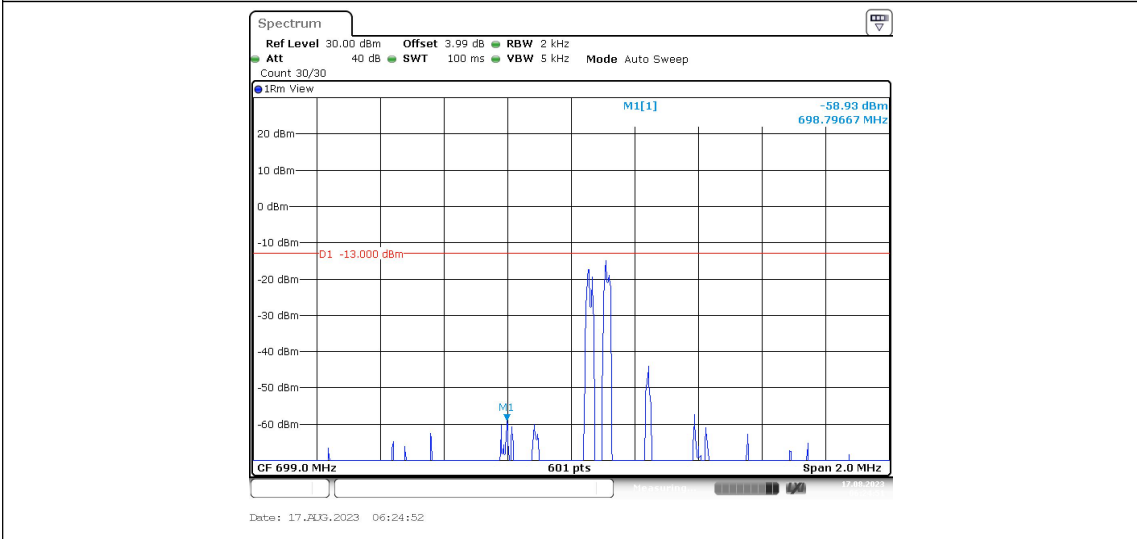
Band12-Stand-Alone-NaN-BPSK-23179-12@0-15kHz--23.85-PASS



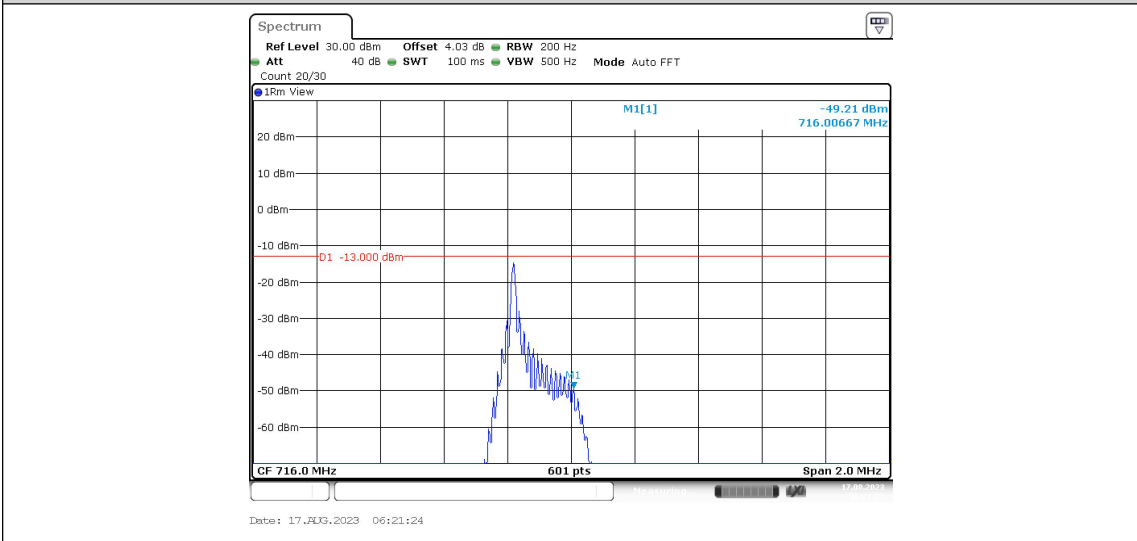
Band12-Stand-Alone-NaN-QPSK-23011-1@0-15kHz--18.87-PASS



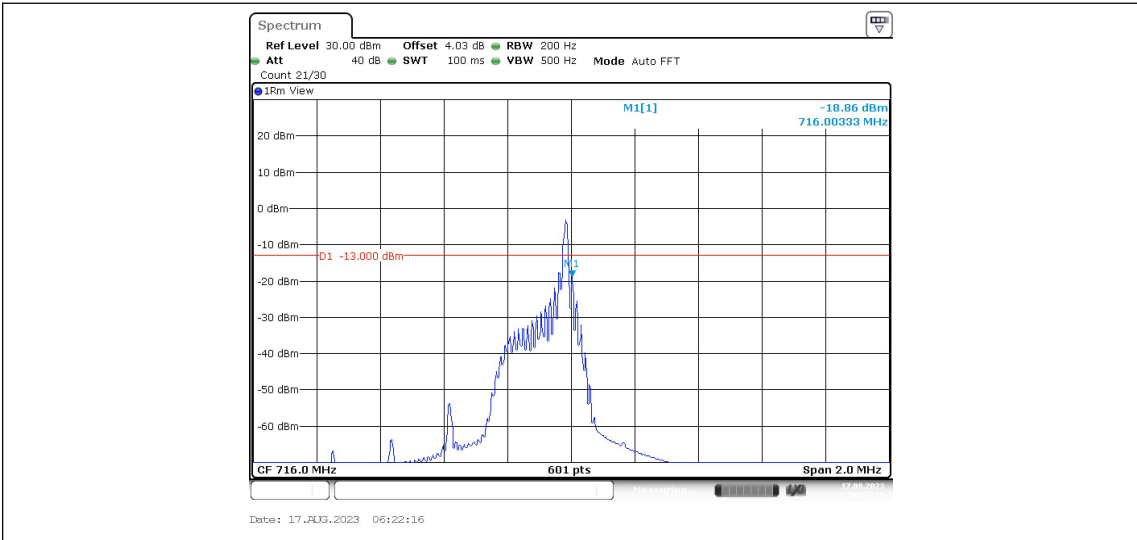
Band12-Stand-Alone-NaN-QPSK-23011-1@11-15kHz--37.53-PASS



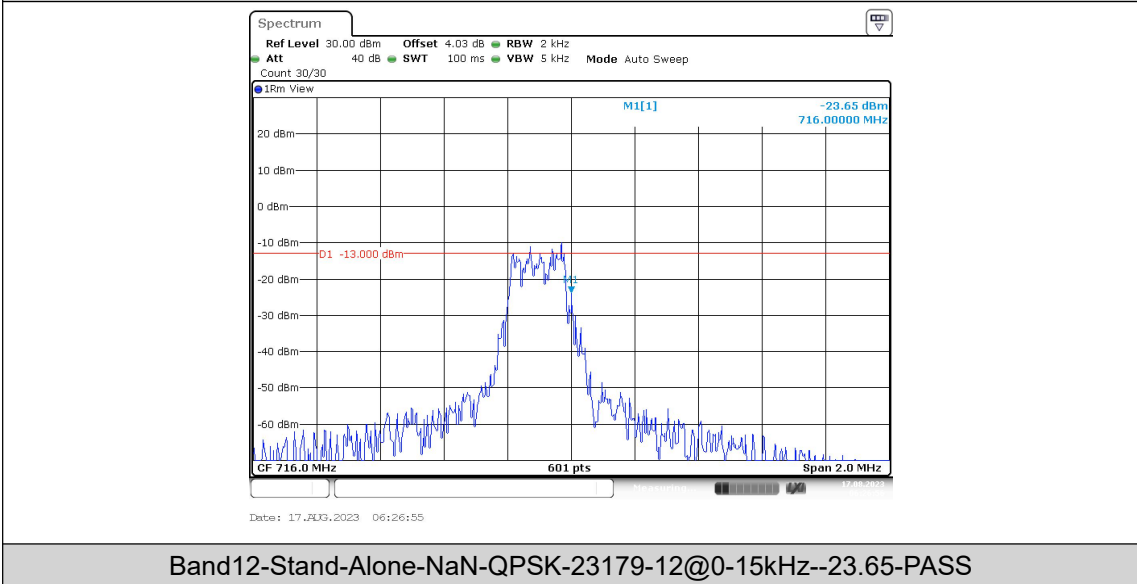
Band12-Stand-Alone-NaN-QPSK-23011-12@0-15kHz--58.93-PASS



Band12-Stand-Alone-NaN-QPSK-23179-1@0-15kHz--49.21-PASS



Band12-Stand-Alone-NaN-QPSK-23179-1@11-15kHz--18.86-PASS



Band12-Stand-Alone-NaN-QPSK-23179-12@0-15kHz--23.65-PASS

## Appendix E: Conducted Spurious Emission for NB1

### Test Result

Band	OpMode	SCS	BW	Modu	Channel	Tones	Freq Start [MHz]	Freq Stop [MHz]	Verdict
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@0	0.009	0.15	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@0	0.15	30	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@0	30	1000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@0	1000	10000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@47	0.009	0.15	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@47	0.15	30	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@47	30	1000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@47	1000	10000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@0	0.009	0.15	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@0	0.15	30	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@0	30	1000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@0	1000	10000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@47	0.009	0.15	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@47	0.15	30	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@47	30	1000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@47	1000	10000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@0	0.009	0.15	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@0	0.15	30	PASS

Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@0	30	1000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@0	1000	10000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@47	0.009	0.15	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@47	0.15	30	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@47	30	1000	PASS
Band1 2	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@47	1000	10000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23011	1@0	0.009	0.15	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23011	1@0	0.15	30	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23011	1@0	30	1000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23011	1@0	1000	10000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23011	1@11	0.009	0.15	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23011	1@11	0.15	30	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23011	1@11	30	1000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23011	1@11	1000	10000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23095	1@0	0.009	0.15	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23095	1@0	0.15	30	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23095	1@0	30	1000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23095	1@0	1000	10000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23095	1@11	0.009	0.15	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23095	1@11	0.15	30	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23095	1@11	30	1000	PASS

Band1 2	Stand-Alone	15kHz	NaN	BPSK	23095	1@11	1000	10000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23179	1@0	0.009	0.15	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23179	1@0	0.15	30	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23179	1@0	30	1000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23179	1@0	1000	10000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23179	1@11	0.009	0.15	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23179	1@11	0.15	30	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23179	1@11	30	1000	PASS
Band1 2	Stand-Alone	15kHz	NaN	BPSK	23179	1@11	1000	10000	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23011	12@0	0.009	0.15	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23011	12@0	0.15	30	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23011	12@0	30	1000	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23011	12@0	1000	10000	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23095	12@0	0.009	0.15	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23095	12@0	0.15	30	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23095	12@0	30	1000	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23095	12@0	1000	10000	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23179	12@0	0.009	0.15	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23179	12@0	0.15	30	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23179	12@0	30	1000	PASS
Band1 2	Stand-Alone	15kHz	NaN	QPSK	23179	12@0	1000	10000	PASS