

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark:Keychron

Test Model: K2 Max

FCC ID: 2BGKB-K2MAX

Environmental Conditions

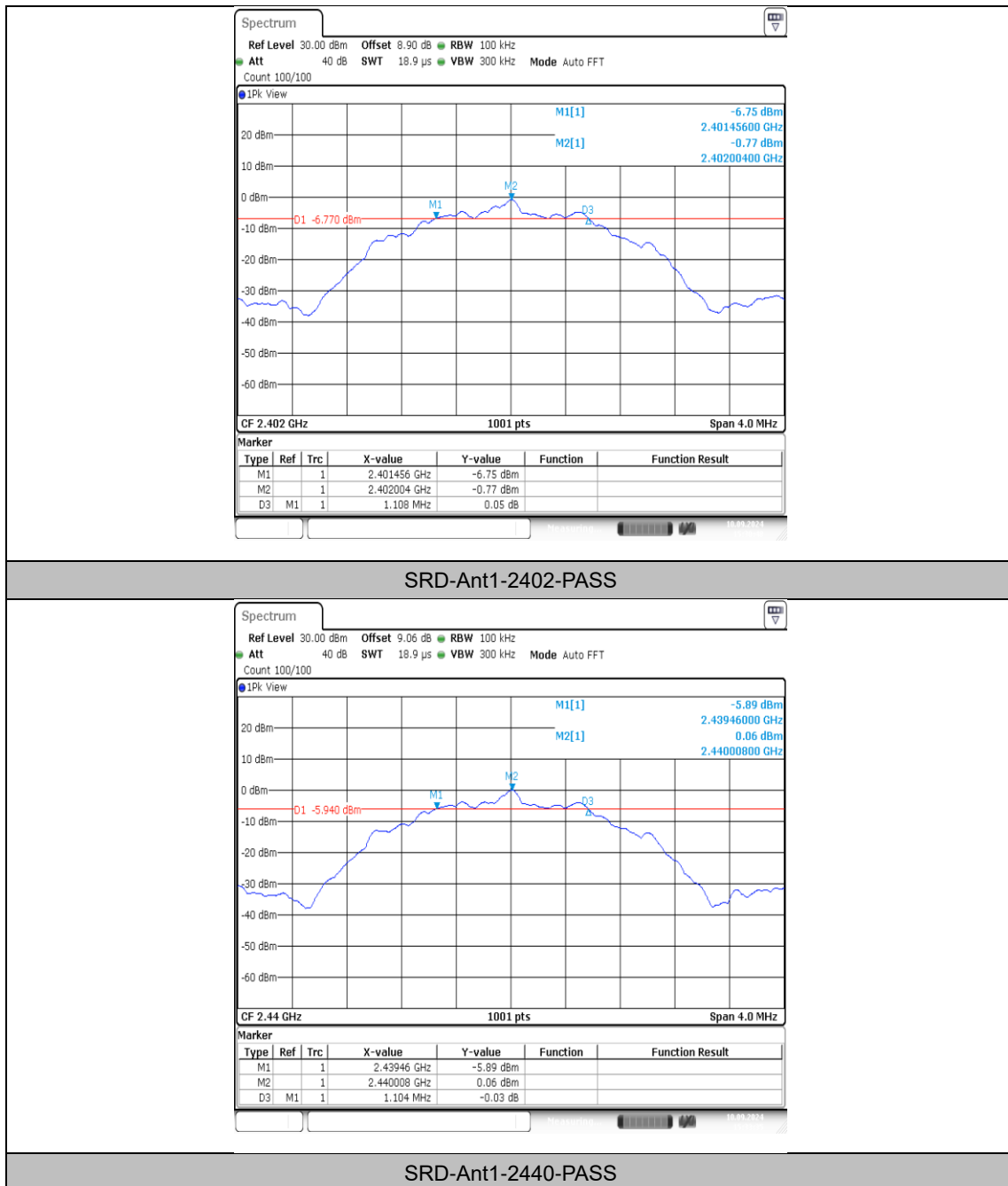
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

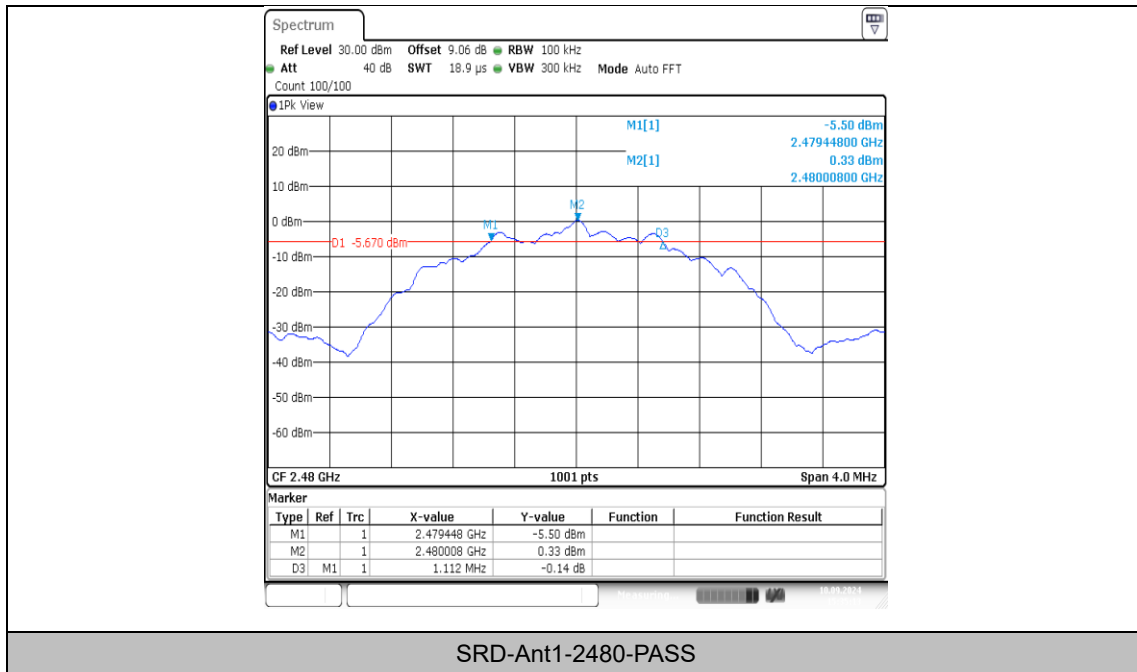
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.11	2401.46	2402.56	0.5	PASS
SRD	Ant1	2440	1.10	2439.46	2440.56	0.5	PASS
SRD	Ant1	2480	1.11	2479.45	2480.56	0.5	PASS

Test Graphs



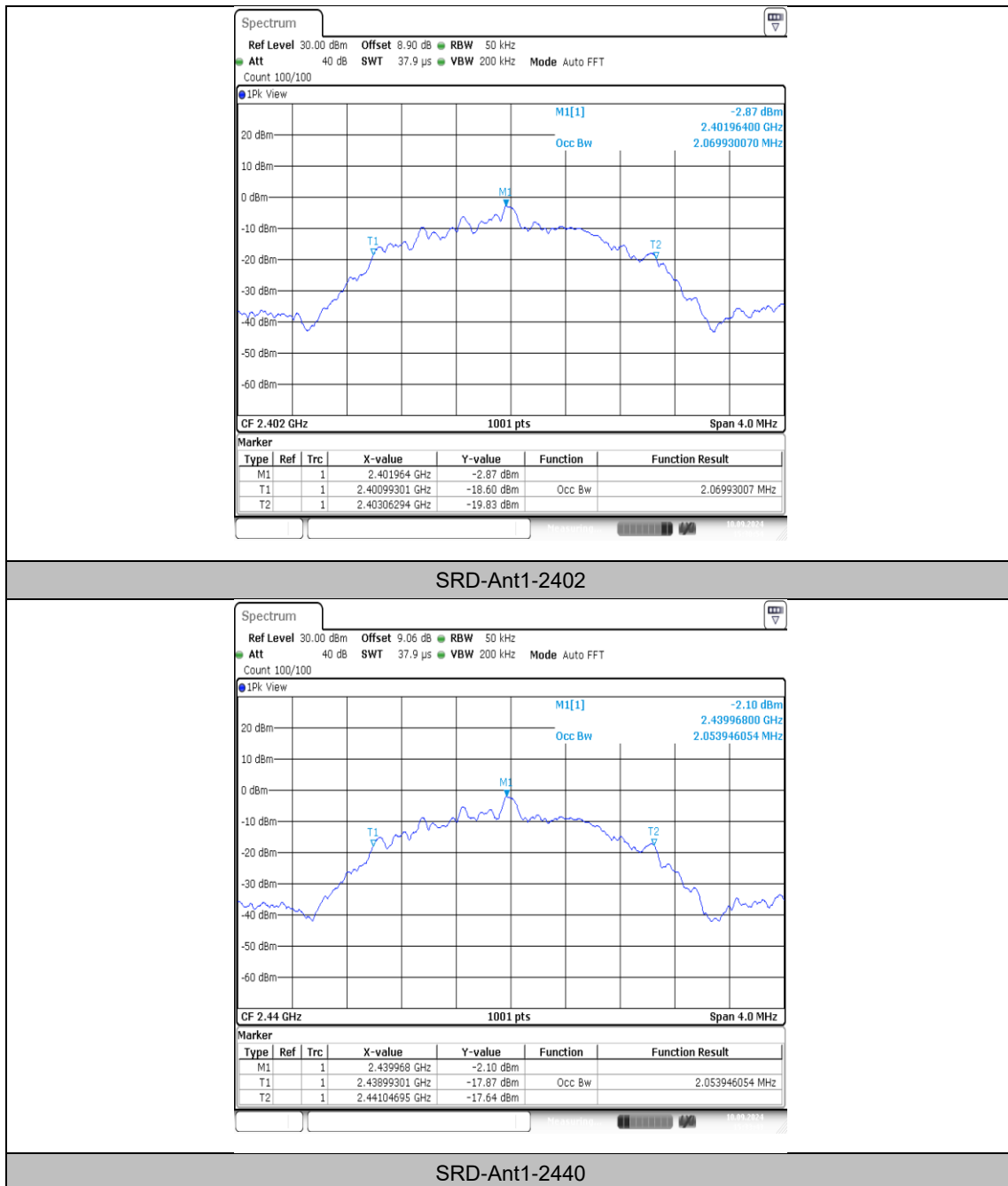


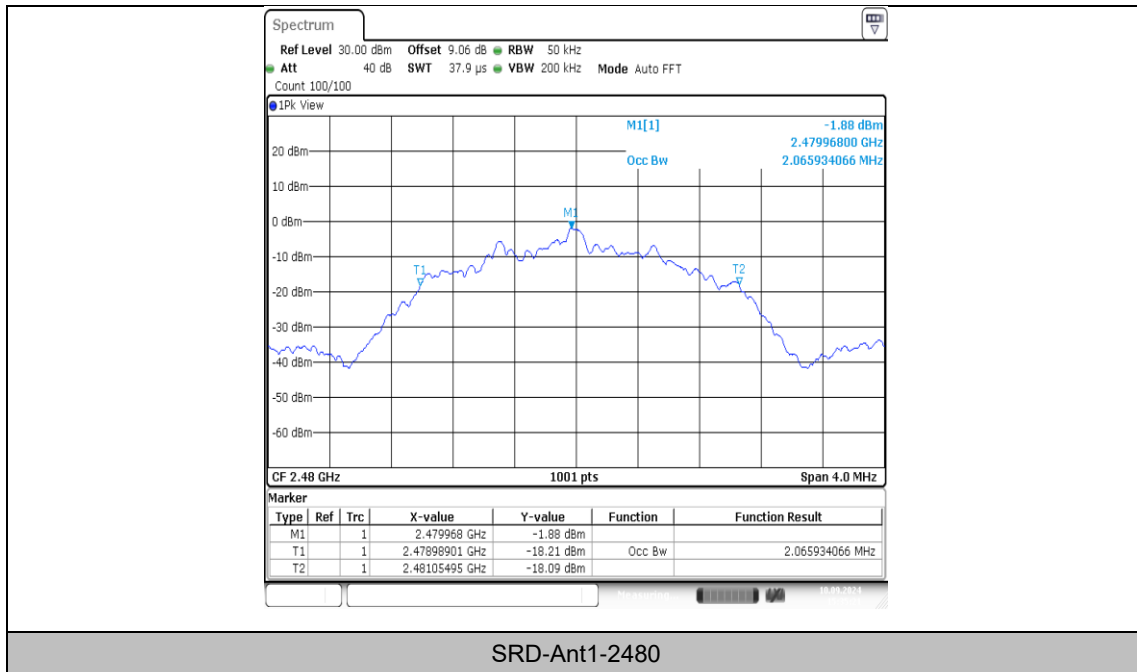
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	2.07	2400.9930	2403.0629	---	---
SRD	Ant1	2440	2.054	2438.9930	2441.0470	---	---
SRD	Ant1	2480	2.066	2478.9890	2481.0549	---	---

Test Graphs



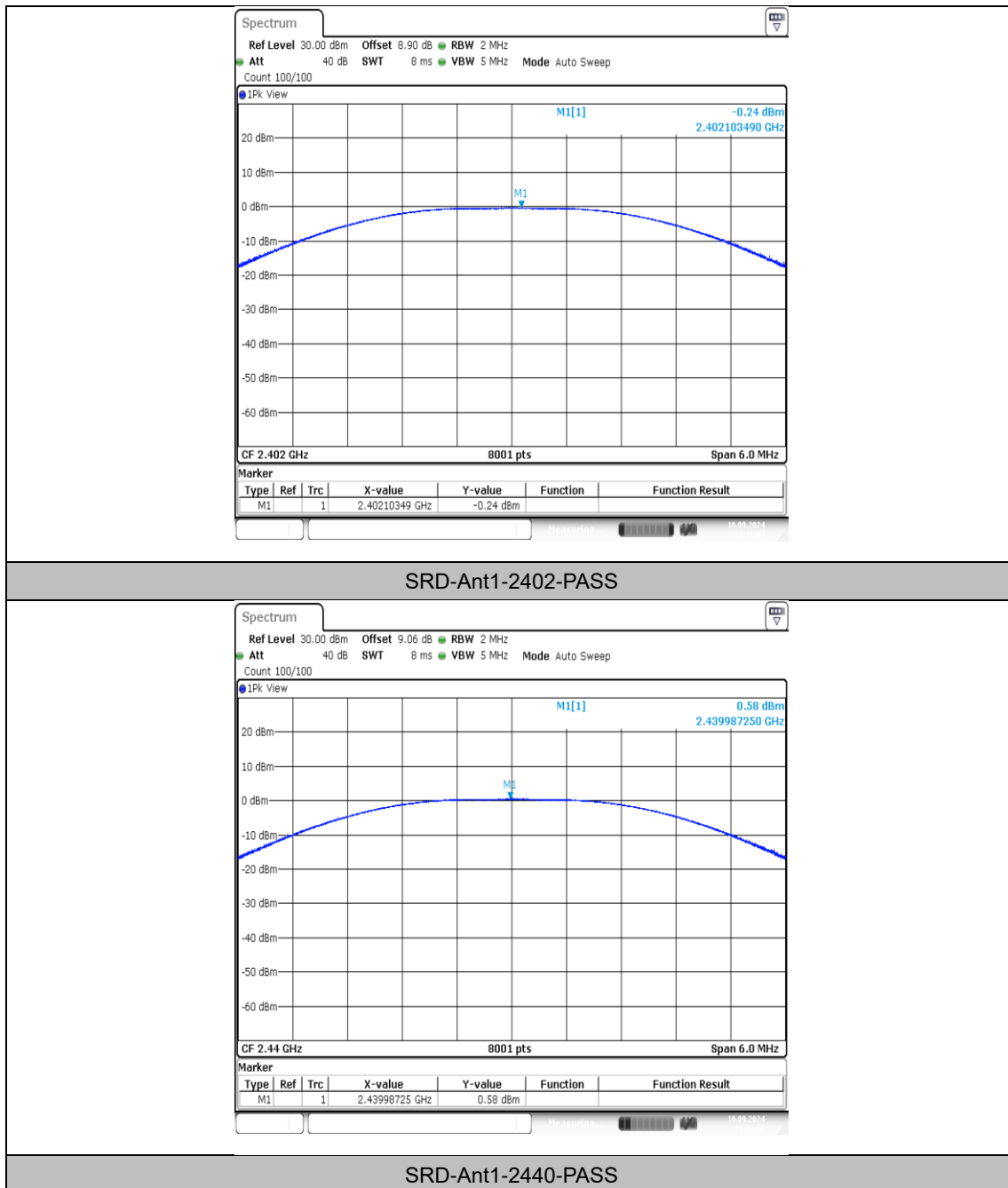


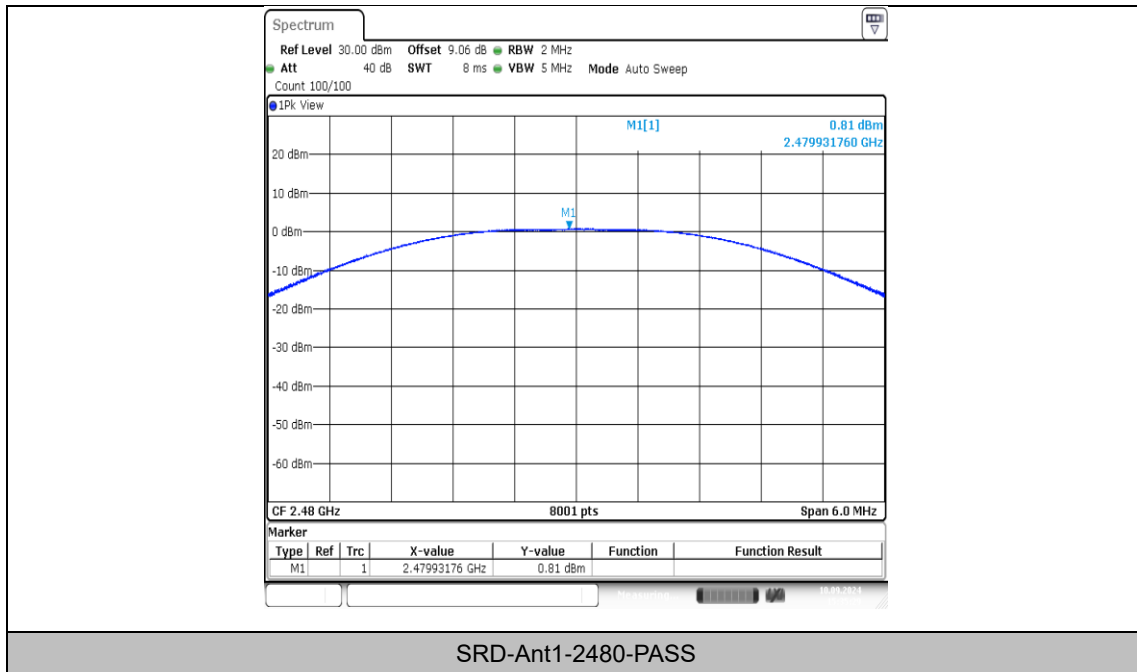
Appendix C: Maximum peak conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2402	-0.24	≤30	PASS
SRD	Ant1	2440	0.58	≤30	PASS
SRD	Ant1	2480	0.81	≤30	PASS

Test Graphs Peak



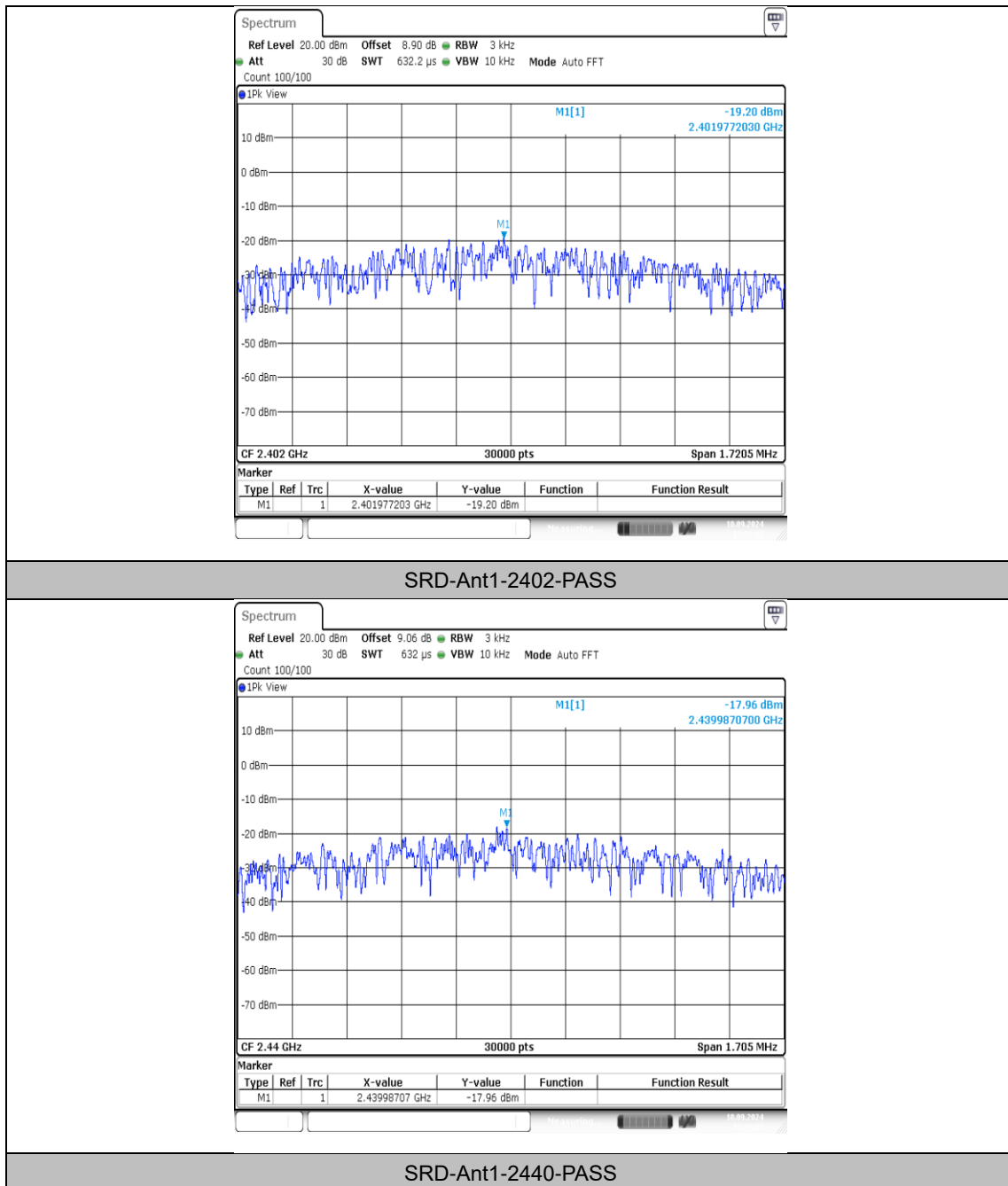


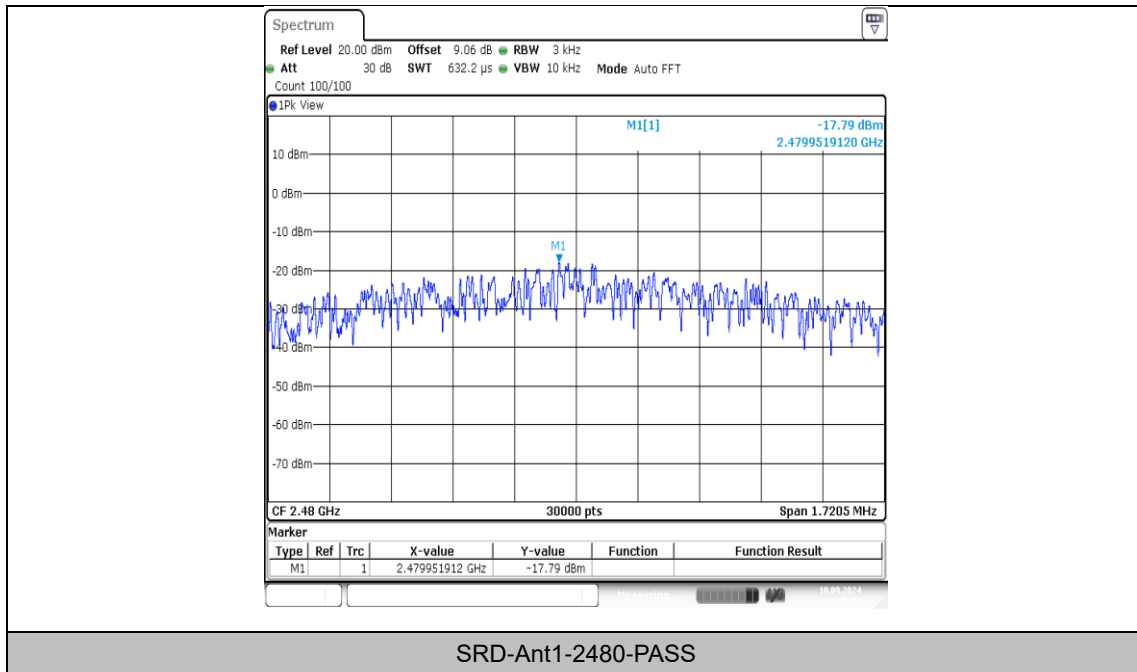
Appendix D: Maximum peak power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-19.20	≤8.00	PASS
SRD	Ant1	2440	-17.96	≤8.00	PASS
SRD	Ant1	2480	-17.79	≤8.00	PASS

Test Graphs



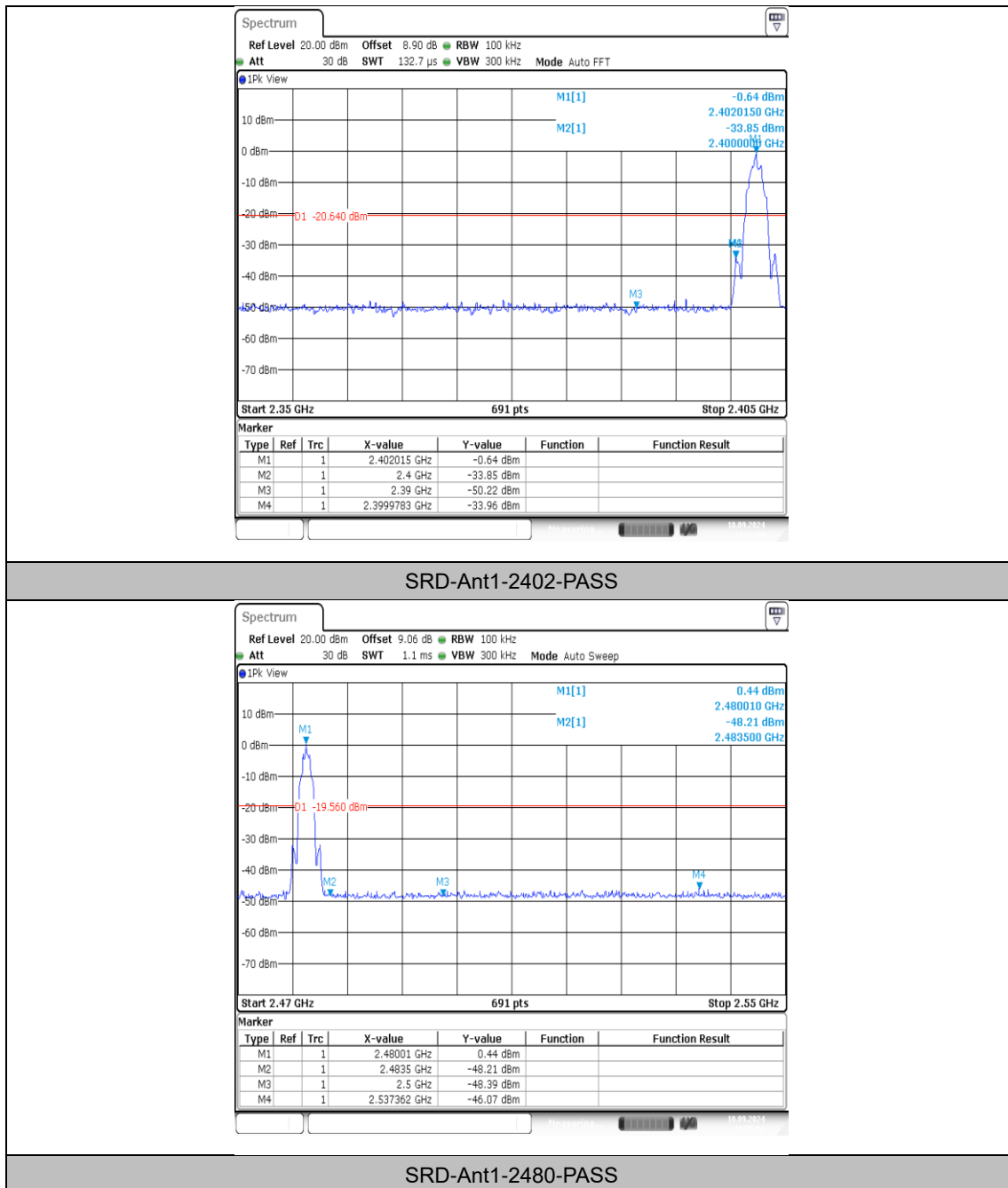


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-0.64	-33.96	≤ -20.64	PASS
SRD	Ant1	High	2480	0.44	-46.07	≤ -19.56	PASS

Test Graphs

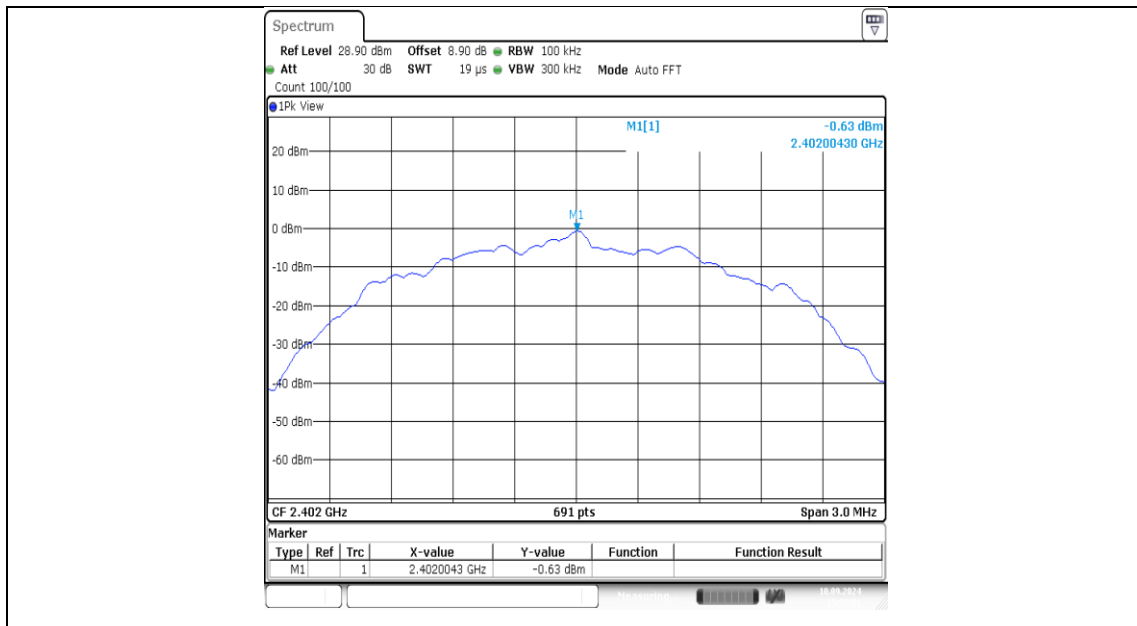


Appendix F: Conducted Spurious Emission

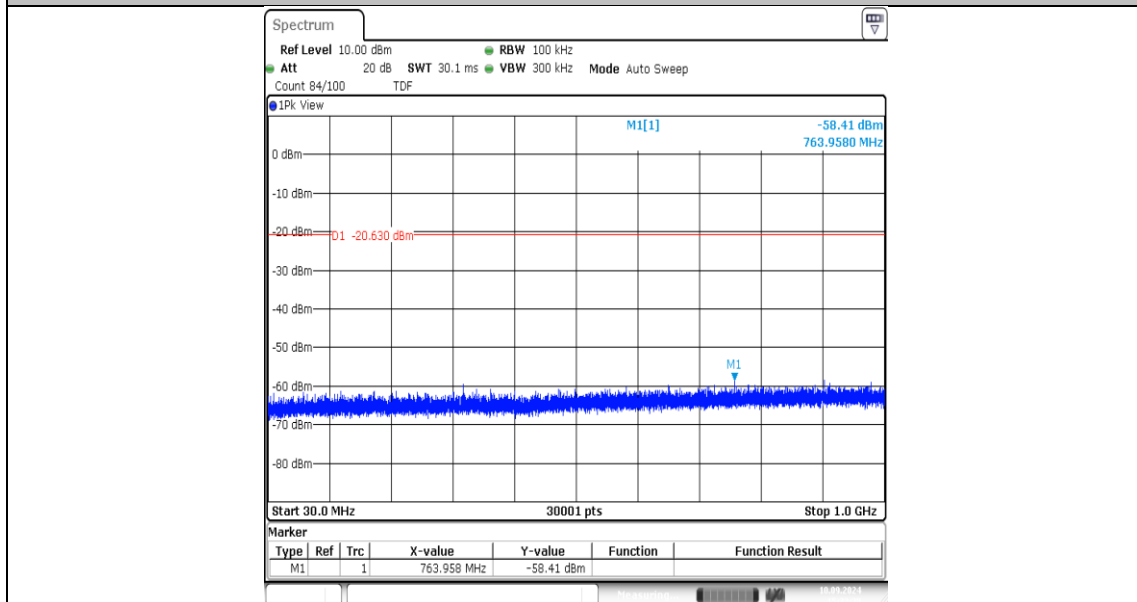
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	0~Reference	-0.63	-0.63	---	PASS
SRD	Ant1	2402	30~1000	-0.63	-58.41	≤-20.63	PASS
SRD	Ant1	2402	1000~26500	-0.63	-48.4	≤-20.63	PASS
SRD	Ant1	2440	0~Reference	0.16	0.16	---	PASS
SRD	Ant1	2440	30~1000	0.16	-47.57	≤-19.84	PASS
SRD	Ant1	2440	1000~26500	0.16	-50.15	≤-19.84	PASS
SRD	Ant1	2480	0~Reference	0.35	0.35	---	PASS
SRD	Ant1	2480	30~1000	0.35	-51.55	≤-19.65	PASS
SRD	Ant1	2480	1000~26500	0.35	-50.64	≤-19.65	PASS

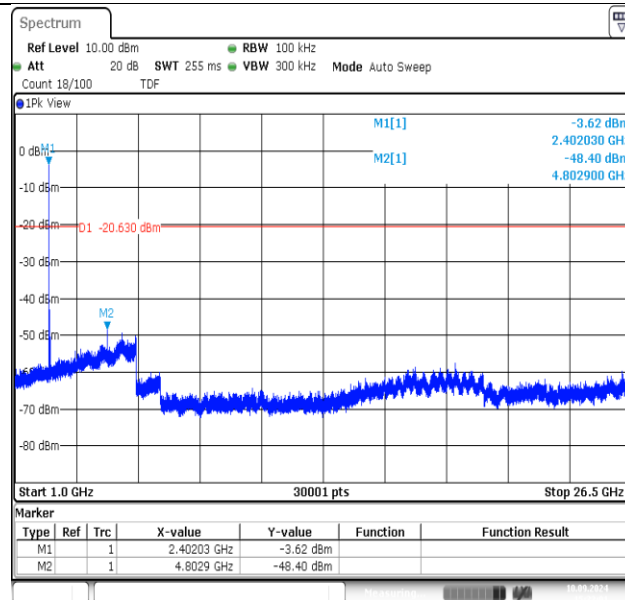
Test Graphs



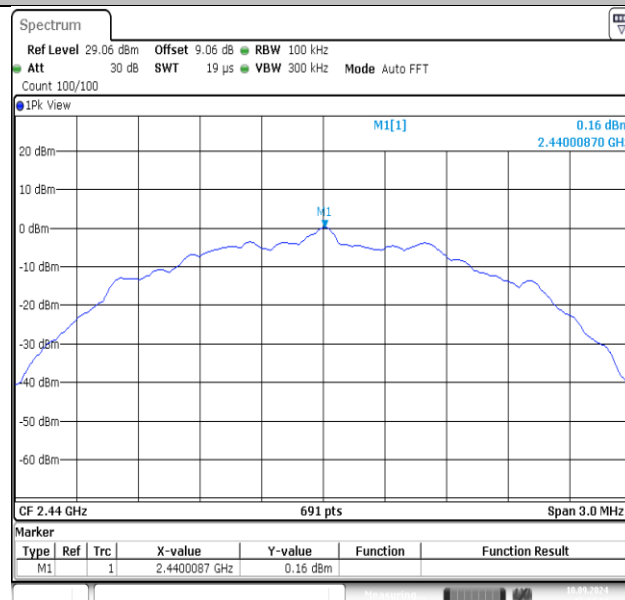
SRD-Ant1-2402-0~Reference-PASS



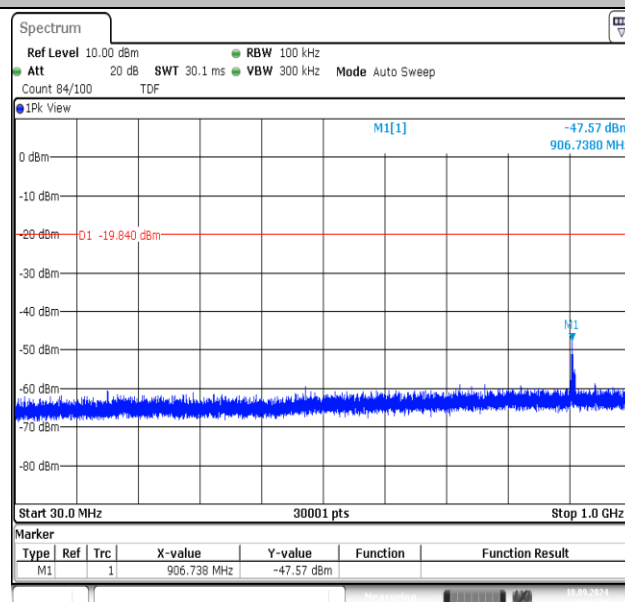
SRD-Ant1-2402-30~1000-PASS



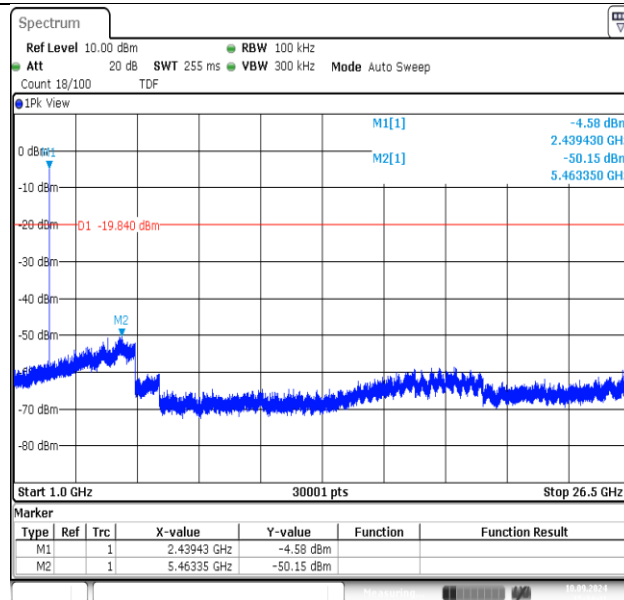
SRD-Ant1-2402-1000~26500-PASS



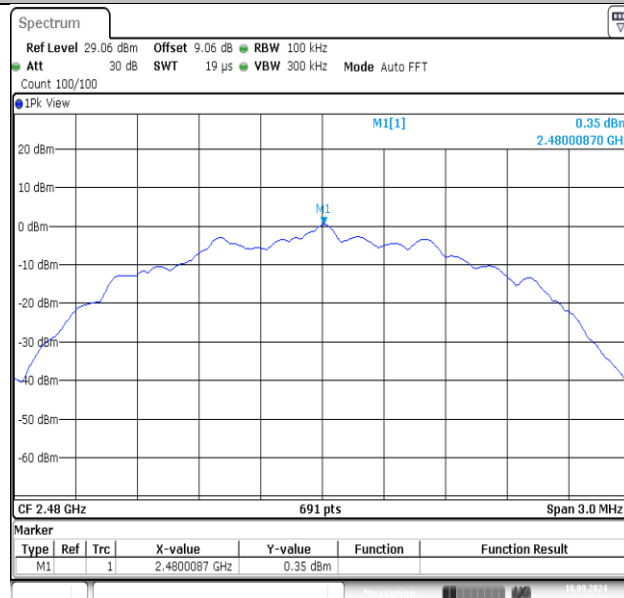
SRD-Ant1-2440-0~Reference-PASS



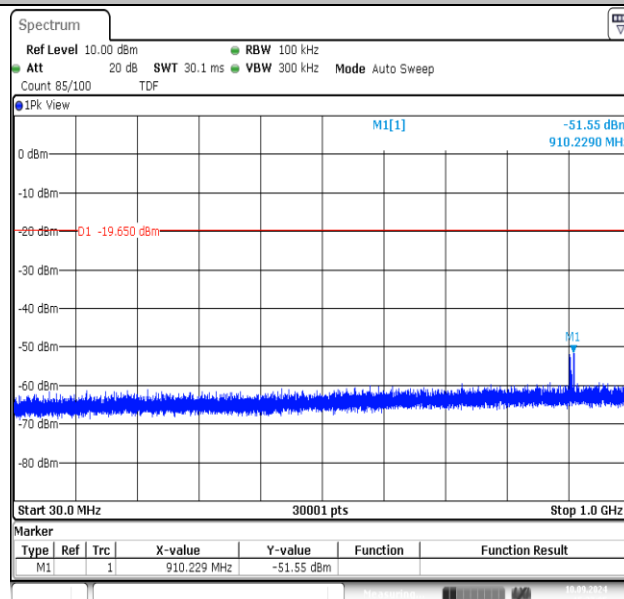
SRD-Ant1-2440-30~1000-PASS



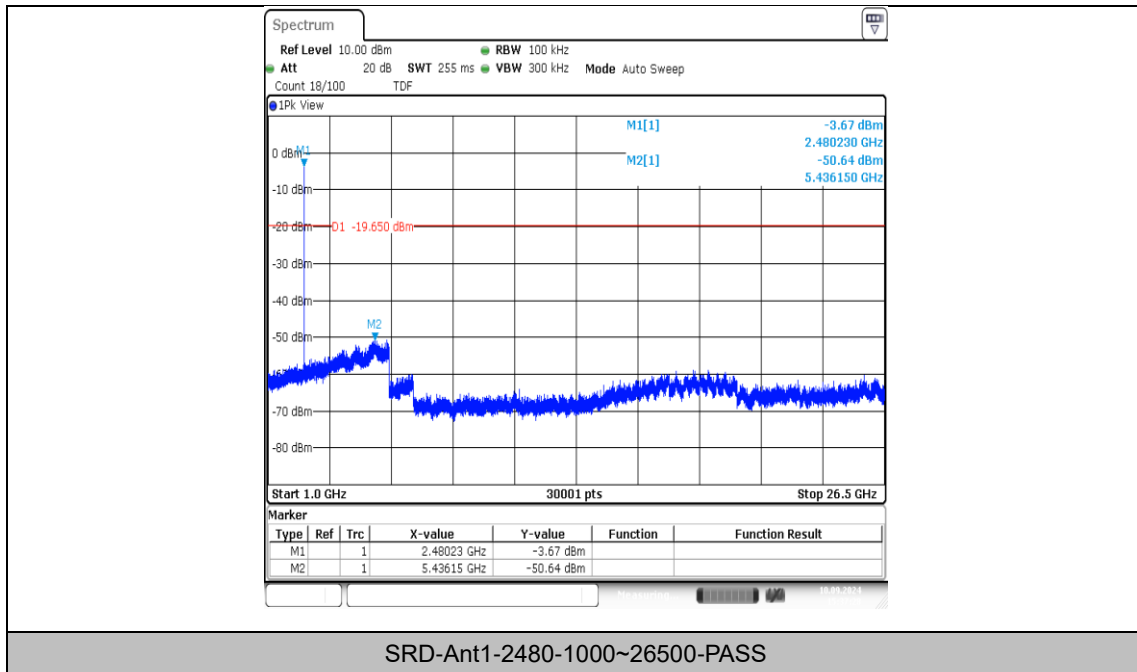
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2480-0~Reference-PASS



SRD-Ant1-2480-30~1000-PASS



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
SRD	Ant1	2402	0.21	0.63	33.33	4.77
SRD	Ant1	2440	0.21	0.63	33.33	4.77
SRD	Ant1	2480	0.21	0.63	33.33	4.77

Test Graphs

