

Appendix Test Data for SRD (Conducted Measurement)

Product Name: GravaStar Mercury X Wireless Gaming Mouse

Trade Mark: GravaStar

Test Model: GS X

FCC ID: 2ASXF-GSX

Environmental Conditions

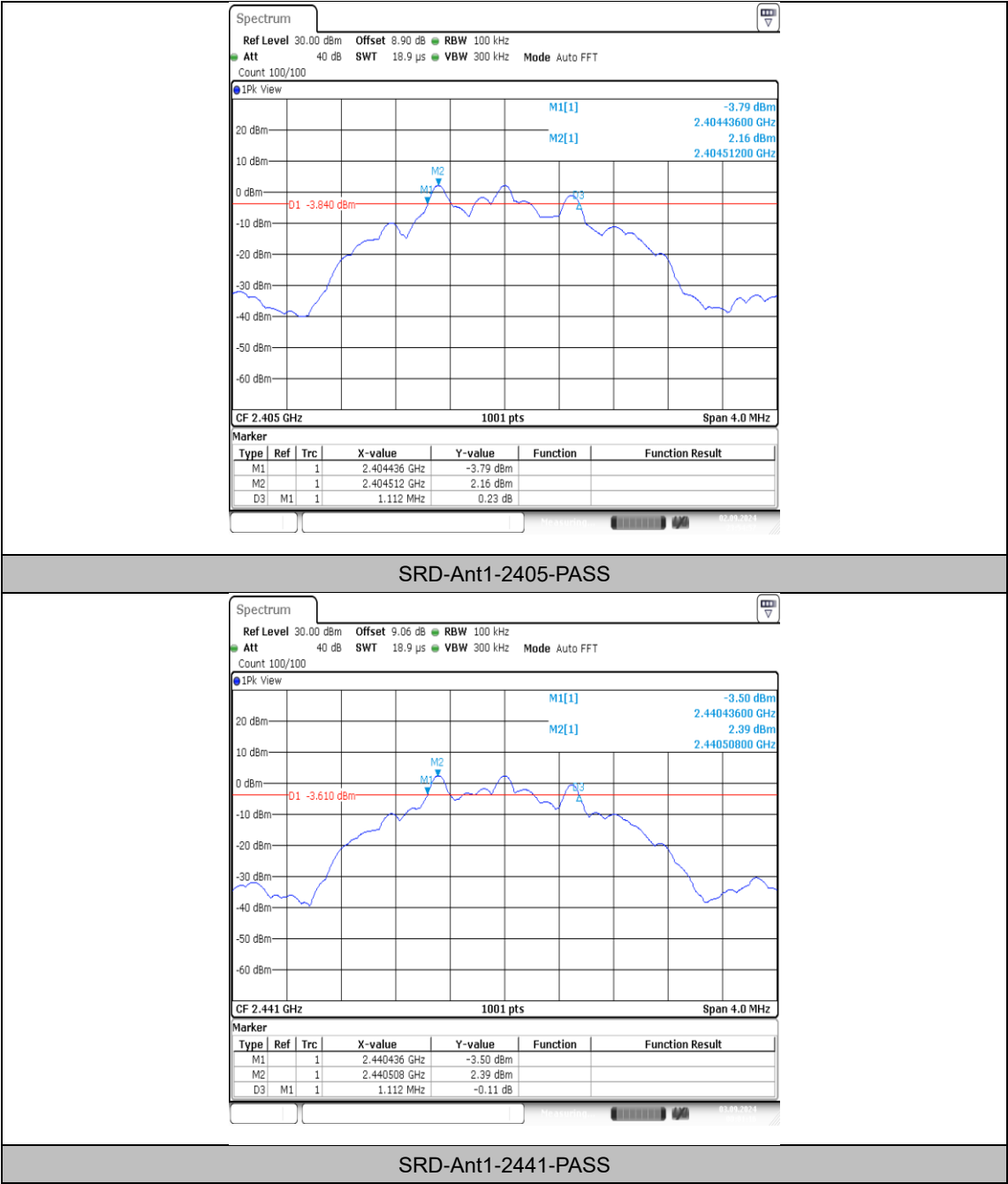
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

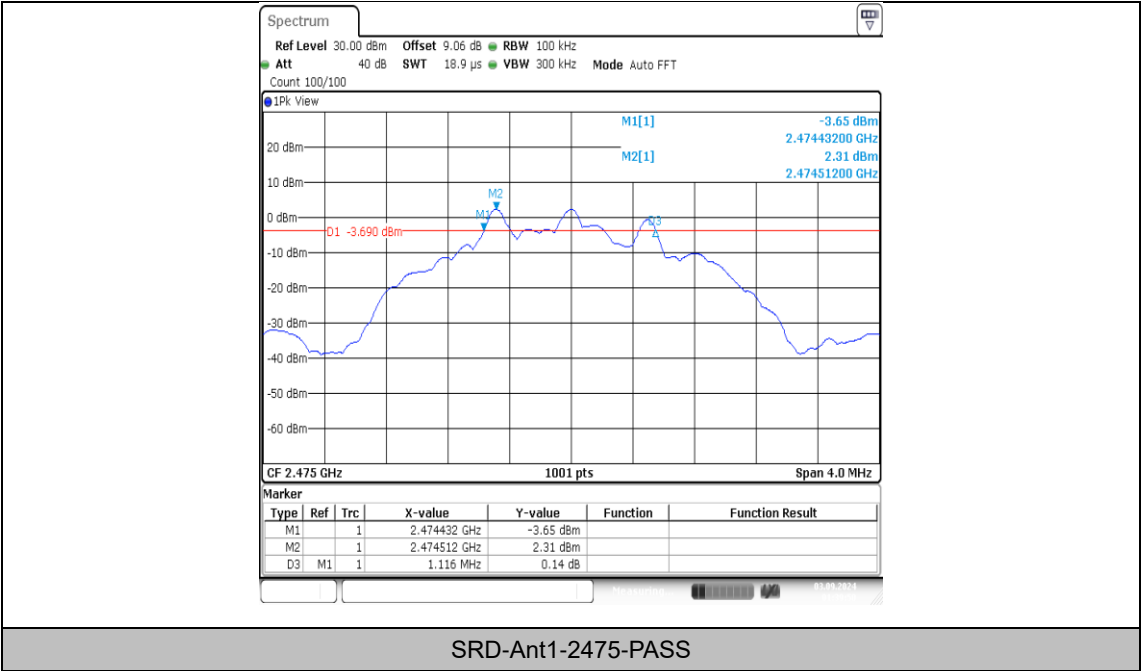
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2405	1.11	2404.44	2405.55	0.5	PASS
SRD	Ant1	2441	1.11	2440.44	2441.55	0.5	PASS
SRD	Ant1	2475	1.12	2474.43	2475.55	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	2405	1.866	2404.0769	2405.9431	---	---
SRD	Ant1	2441	1.862	2440.0729	2441.9351	---	---
SRD	Ant1	2475	1.866	2474.0689	2475.9351	---	---

Test Graphs



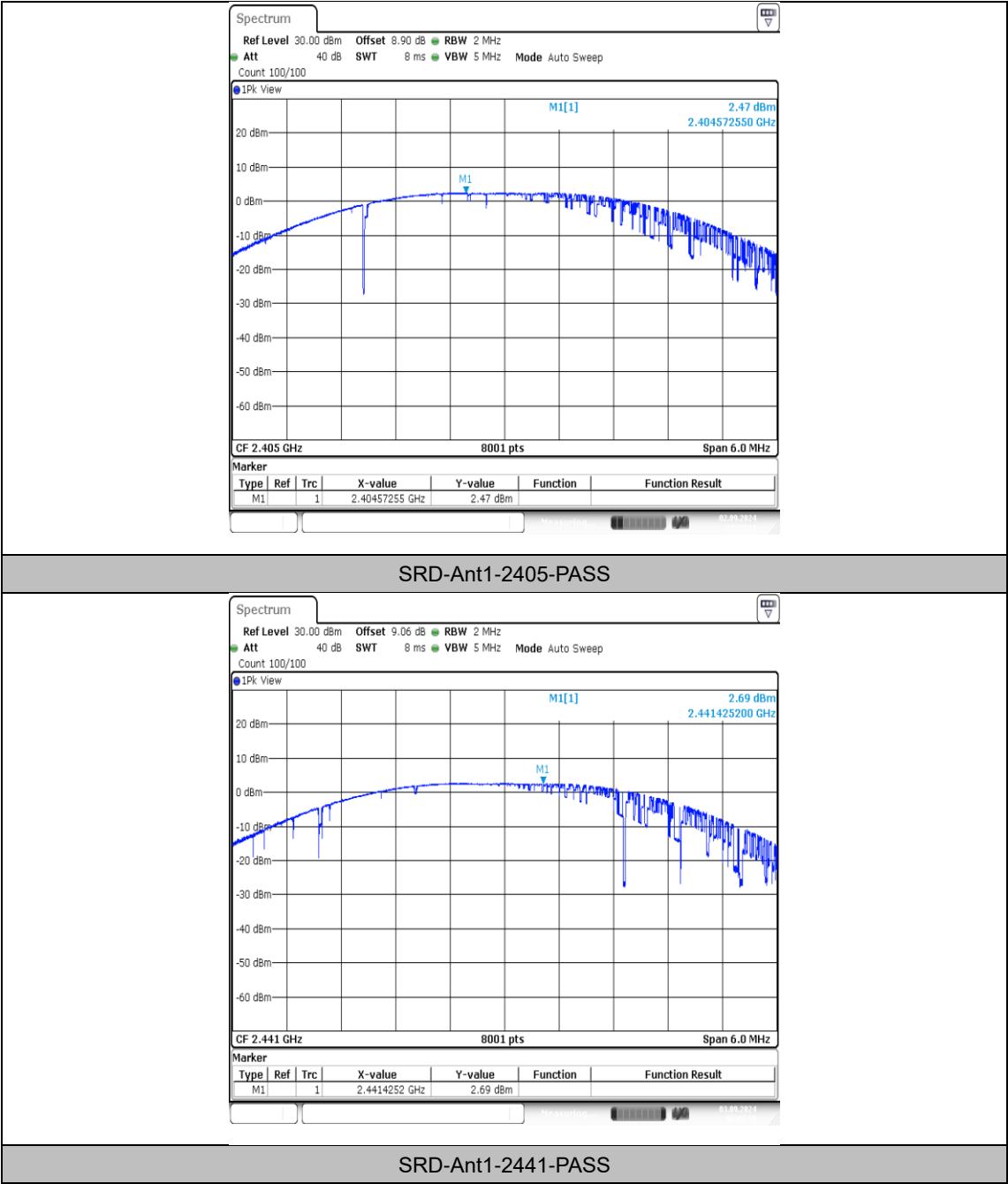


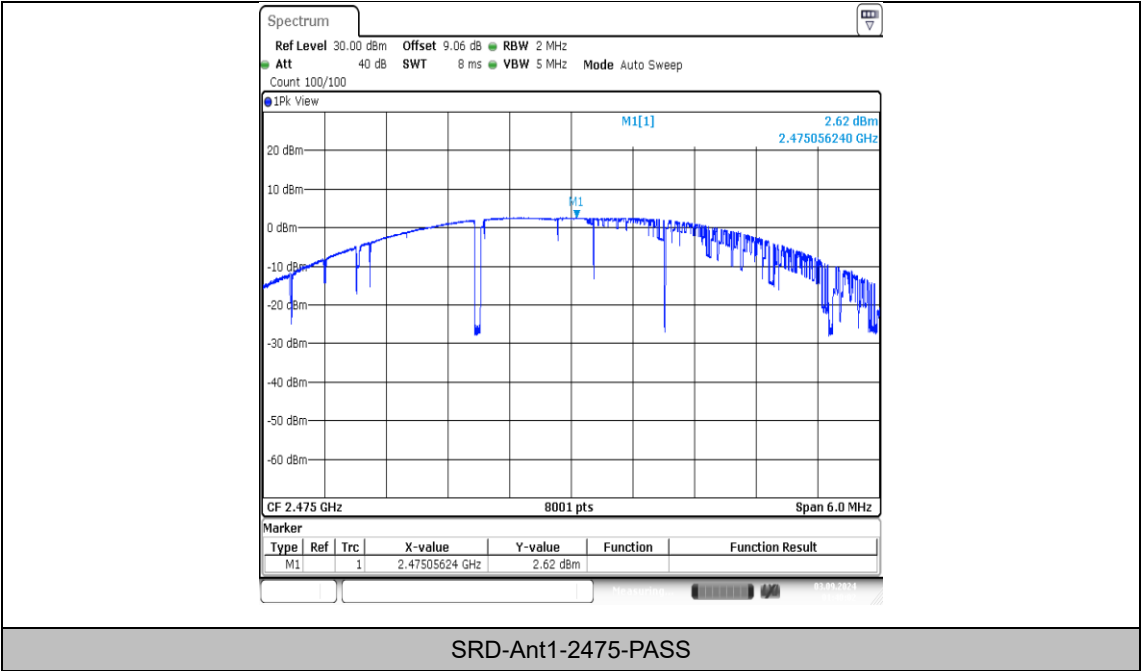
Appendix C: Maximum peak conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2405	2.47	≤30	PASS
SRD	Ant1	2441	2.69	≤30	PASS
SRD	Ant1	2475	2.62	≤30	PASS

Test Graphs Peak



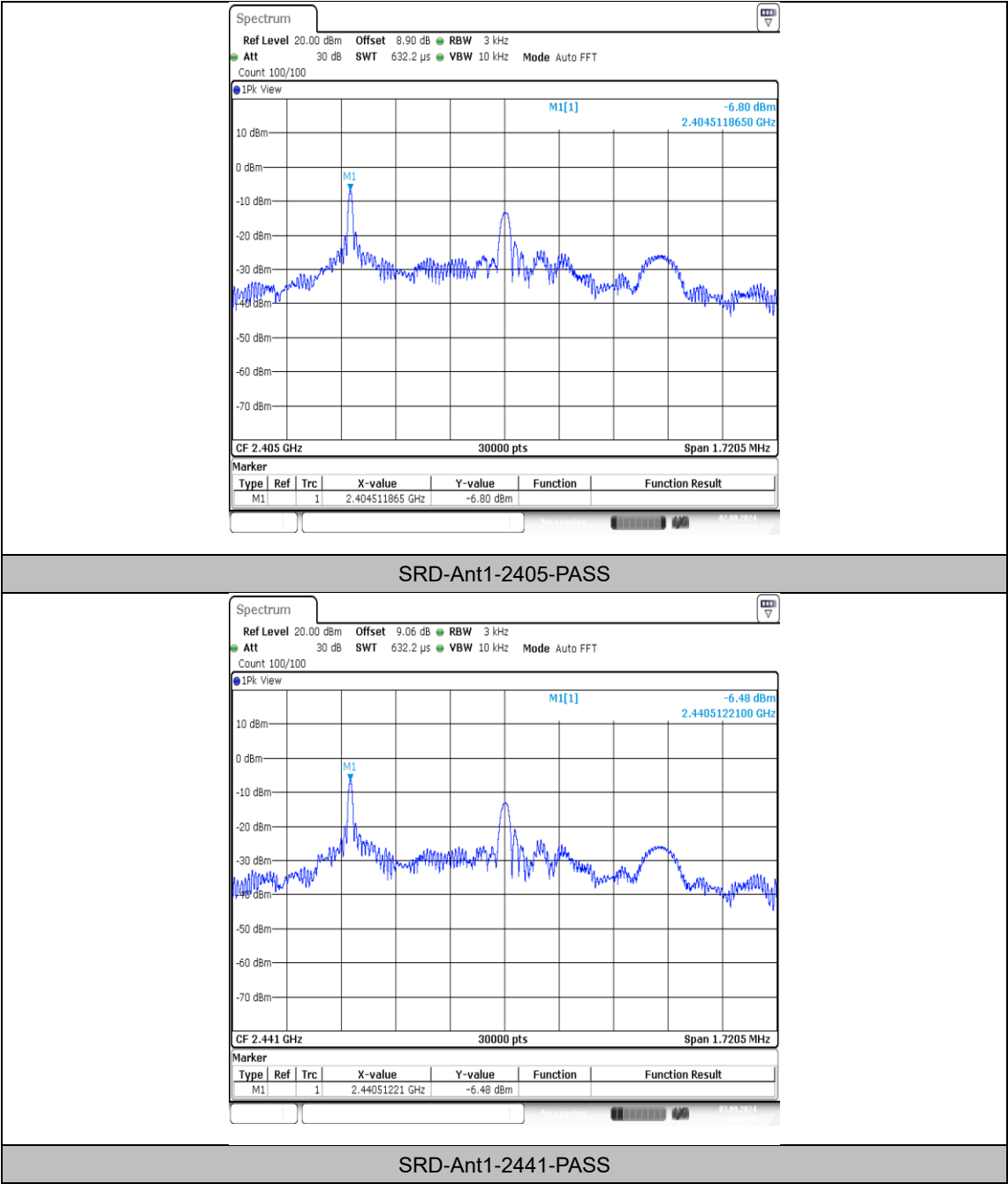


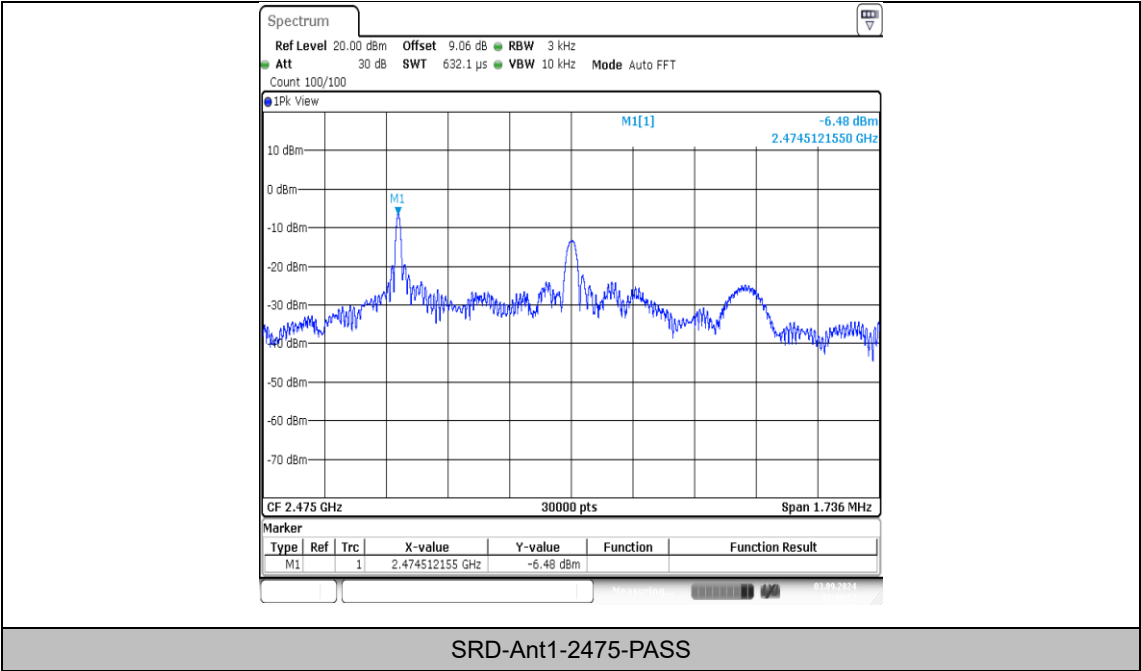
Appendix D: Maximum peak power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2405	-6.80	≤8.00	PASS
SRD	Ant1	2441	-6.48	≤8.00	PASS
SRD	Ant1	2475	-6.48	≤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	2405	2.24	-48.27	≤ -17.76	PASS
SRD	Ant1	High	2475	2.38	-45.97	≤ -17.62	PASS

Test Graphs

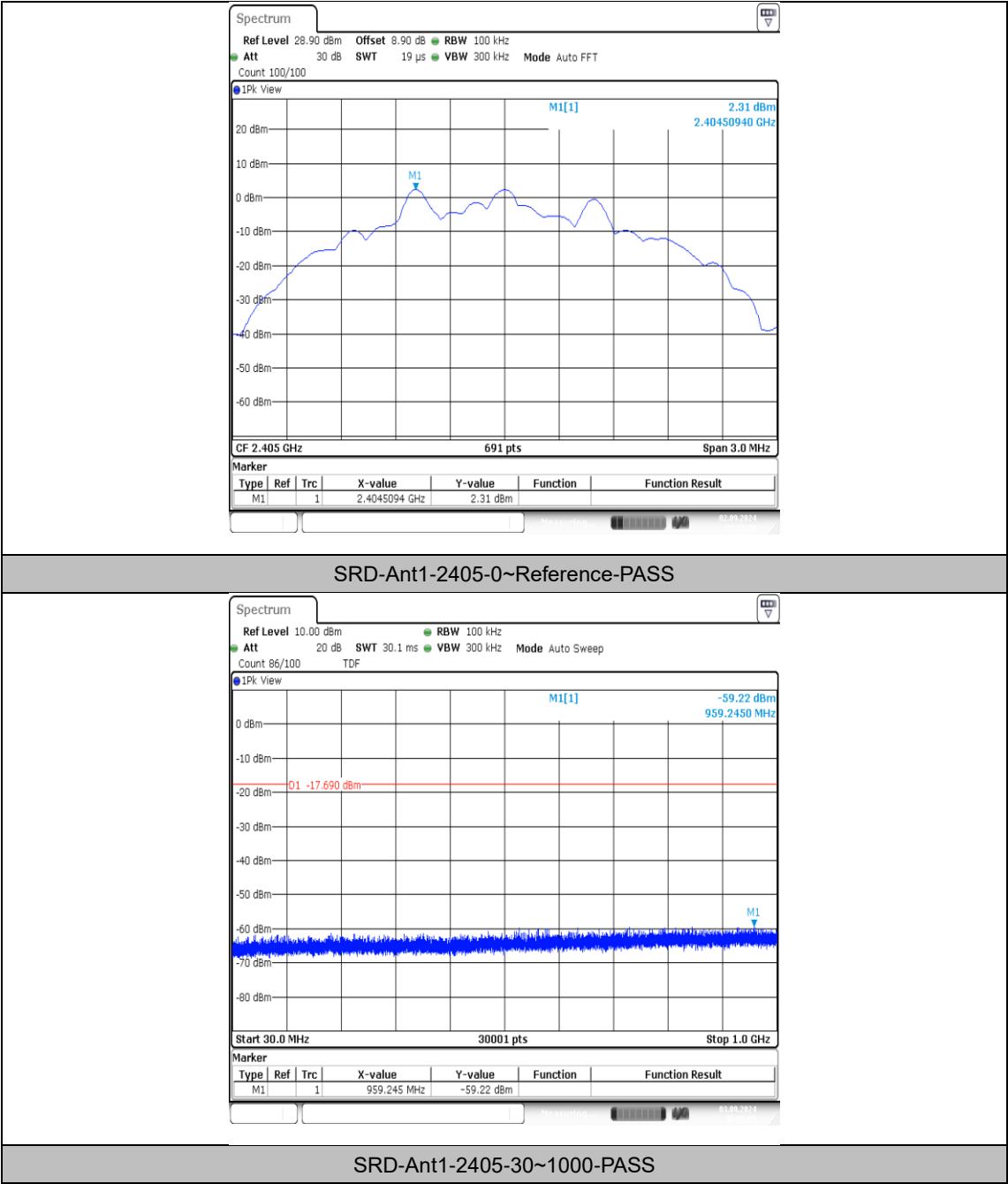


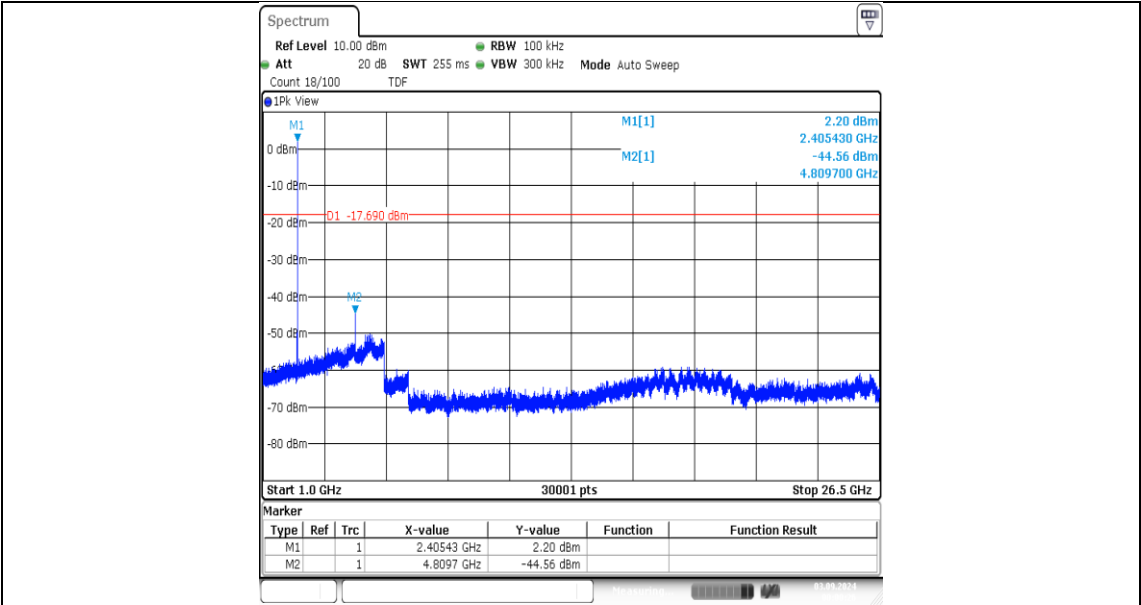
Appendix F: Conducted Spurious Emission

Test Result

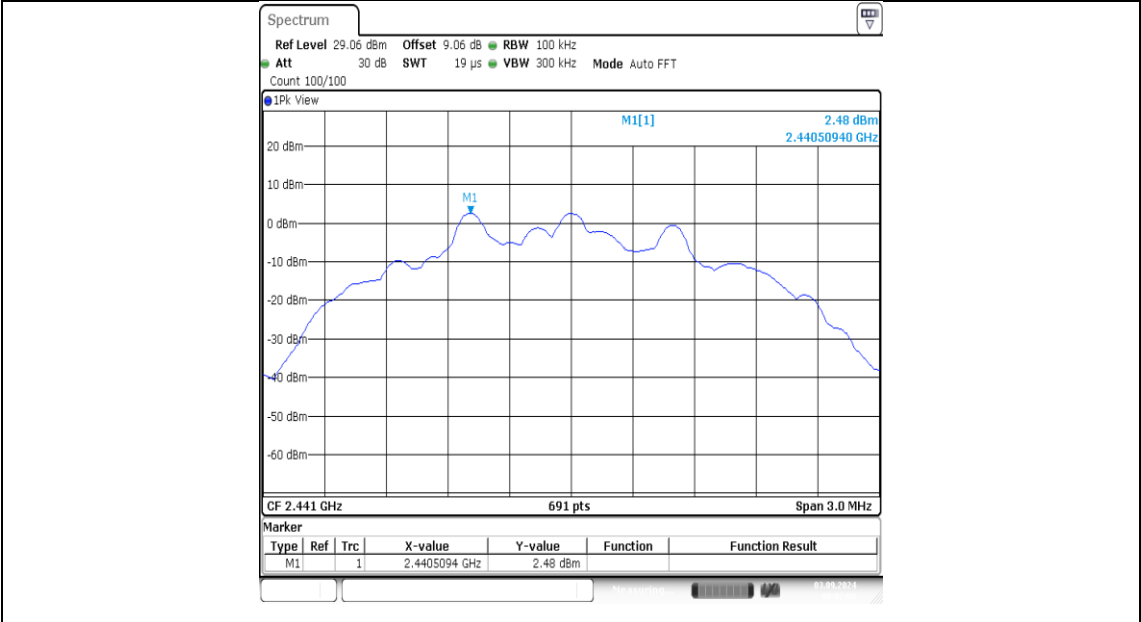
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2405	0~Reference	2.31	2.31	---	PASS
SRD	Ant1	2405	30~1000	2.31	-59.22	≤-17.69	PASS
SRD	Ant1	2405	1000~26500	2.31	-44.56	≤-17.69	PASS
SRD	Ant1	2441	0~Reference	2.48	2.48	---	PASS
SRD	Ant1	2441	30~1000	2.48	-59.24	≤-17.52	PASS
SRD	Ant1	2441	1000~26500	2.48	-46.55	≤-17.52	PASS
SRD	Ant1	2475	0~Reference	2.36	2.36	---	PASS
SRD	Ant1	2475	30~1000	2.36	-58.57	≤-17.64	PASS
SRD	Ant1	2475	1000~26500	2.36	-46.05	≤-17.64	PASS

Test Graphs

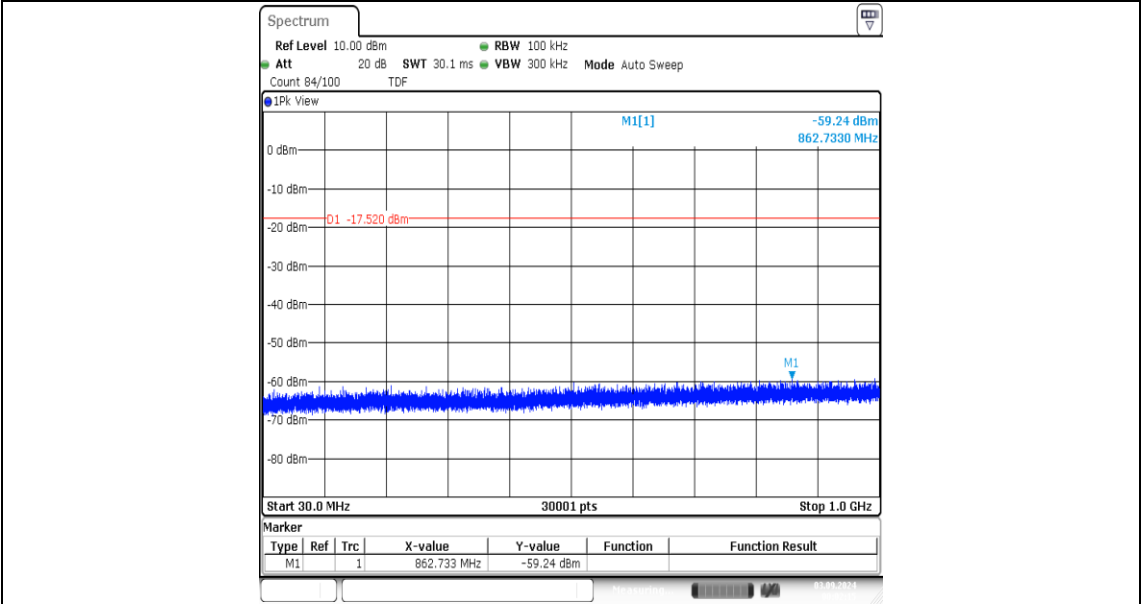




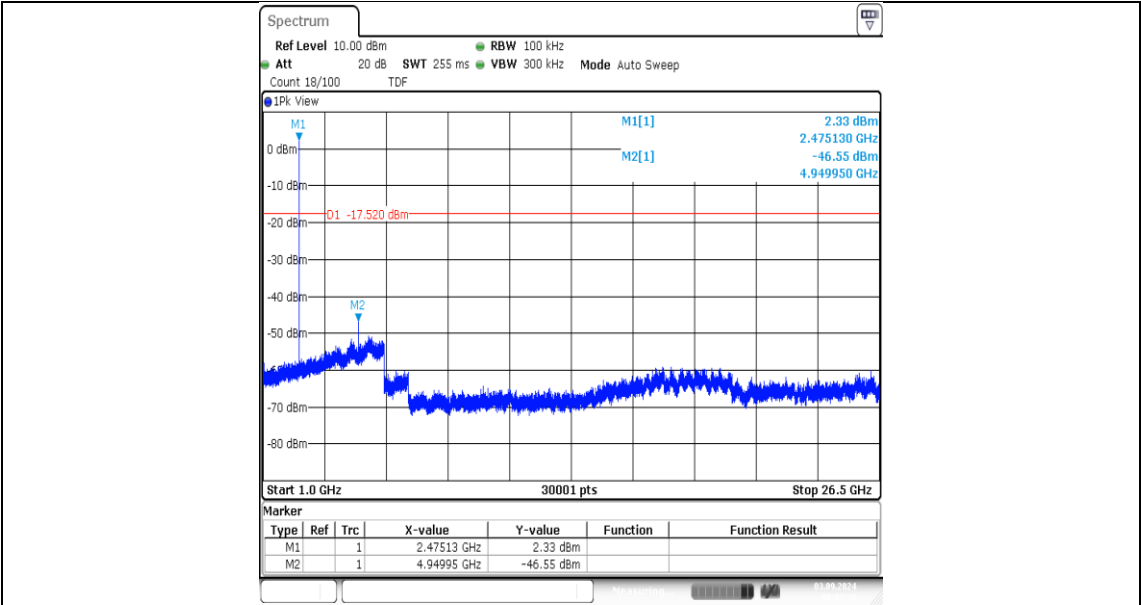
SRD-Ant1-2405-1000~26500-PASS



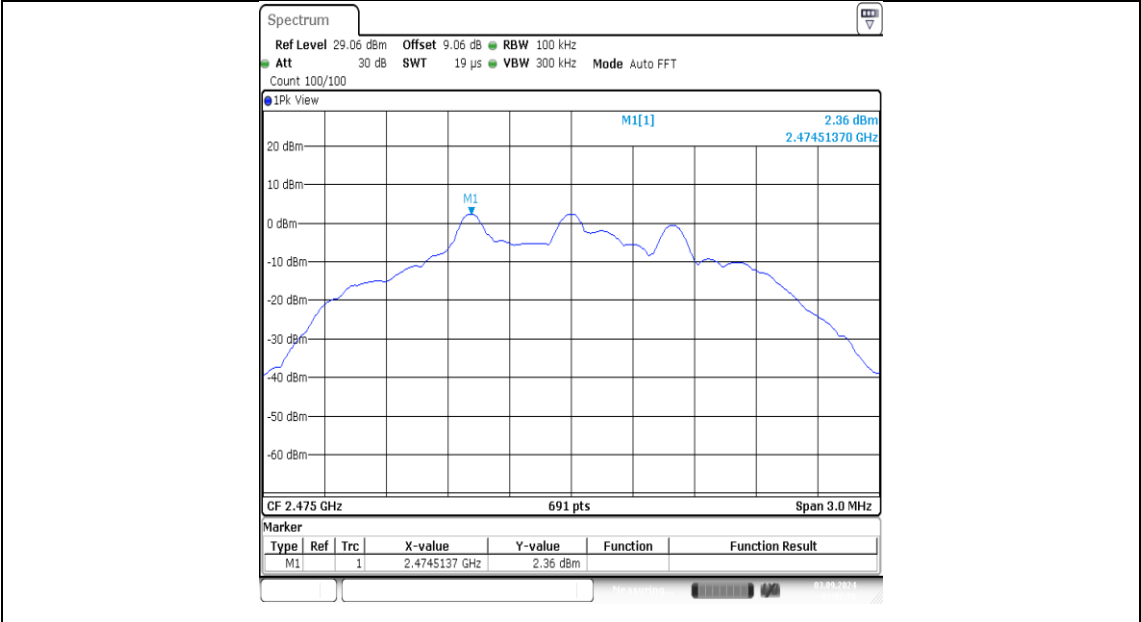
SRD-Ant1-2441-0~Reference-PASS



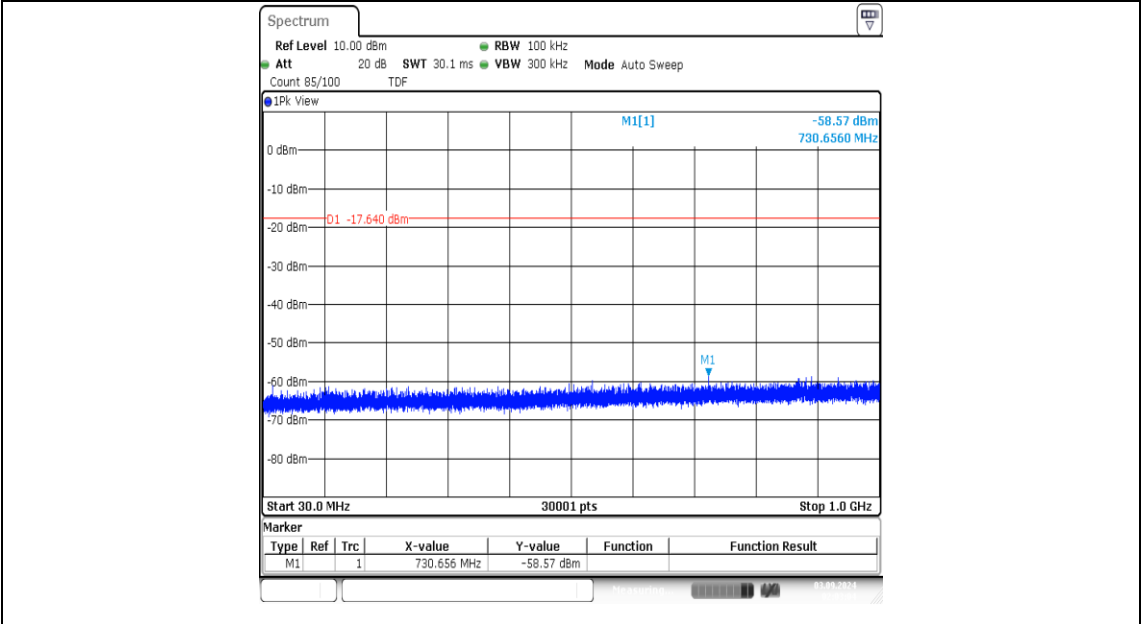
SRD-Ant1-2441-30~1000-PASS



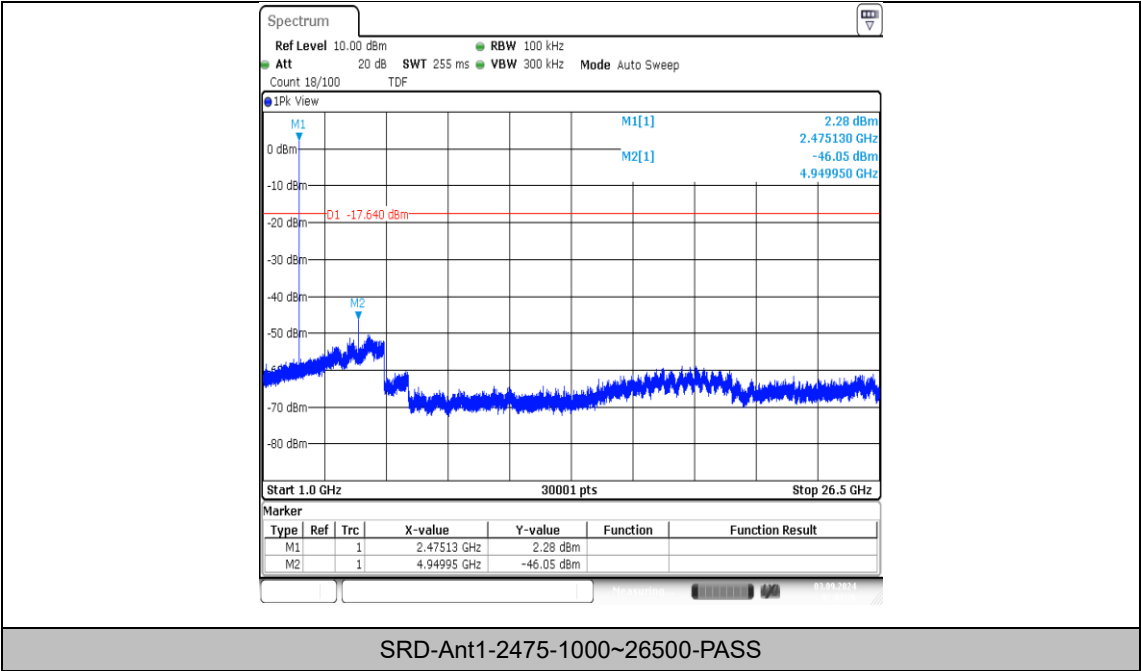
SRD-Ant1-2441-1000~26500-PASS



SRD-Ant1-2475-0~Reference-PASS



SRD-Ant1-2475-30~1000-PASS



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
SRD	Ant1	2405	0.16	7.98	2.01	16.97
SRD	Ant1	2441	0.17	7.99	2.13	16.72
SRD	Ant1	2475	0.15	7.98	1.88	17.26

Test Graphs

