

Appendix Test Data for SRD (Conducted Measurement)

Product Name: R/C toys

Trade Mark: /

Test Model: LY-019

FCC ID: 2BK33-LY-019

Environmental Conditions

Temperature:	23.5℃
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

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	0.660	2404.992	2405.652	0.5	PASS
SRD	Ant1	2445	0.680	2444.984	2445.664	0.5	PASS
SRD	Ant1	2475	0.636	2474.980	2475.616	0.5	PASS

Test Graphs



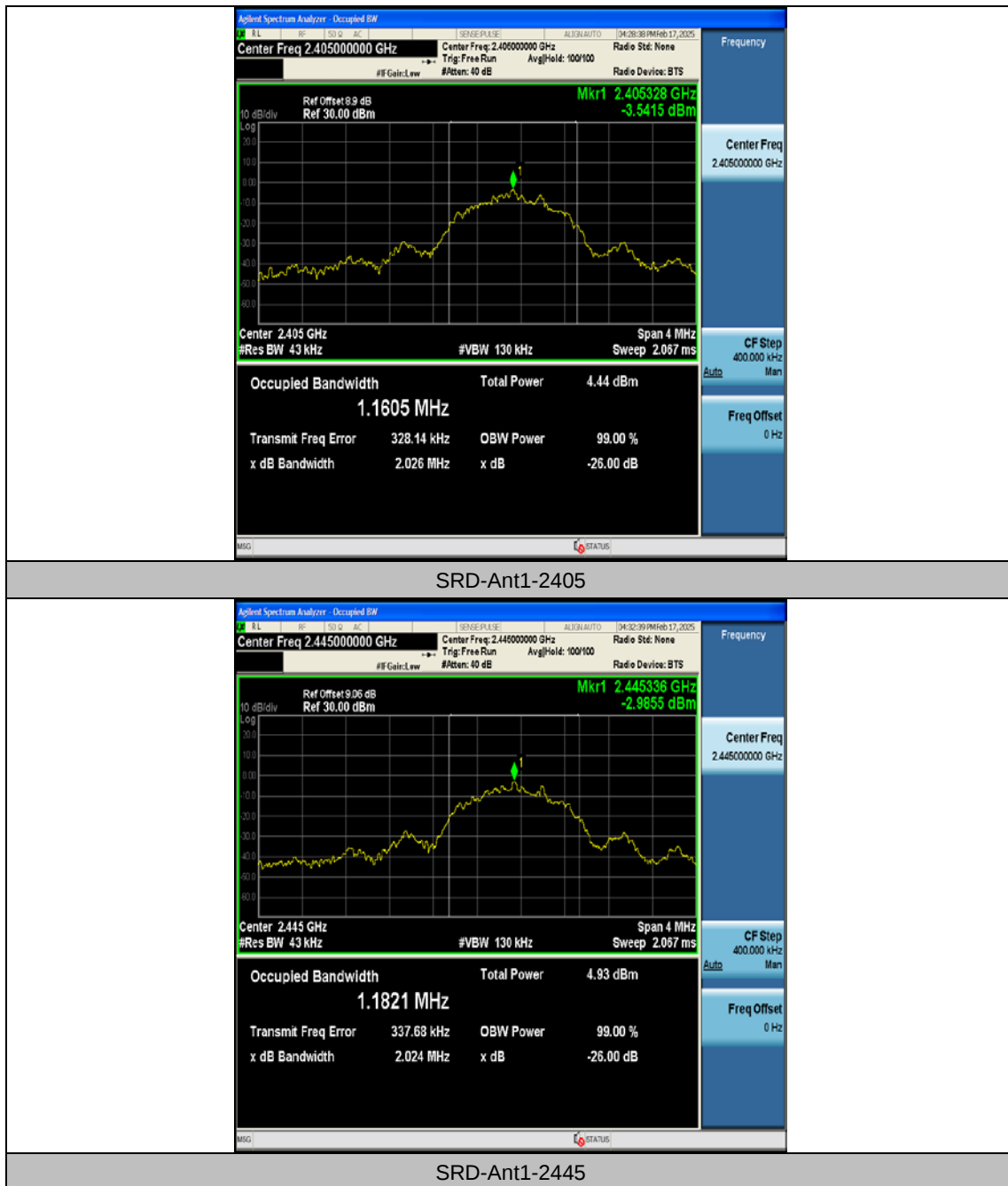


Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	1.1605	2404.7479	2405.9084	---	---
SRD	Ant1	2445	1.1821	2444.7466	2445.9287	---	---
SRD	Ant1	2475	1.1876	2474.7530	2475.9406	---	---

Test Graphs



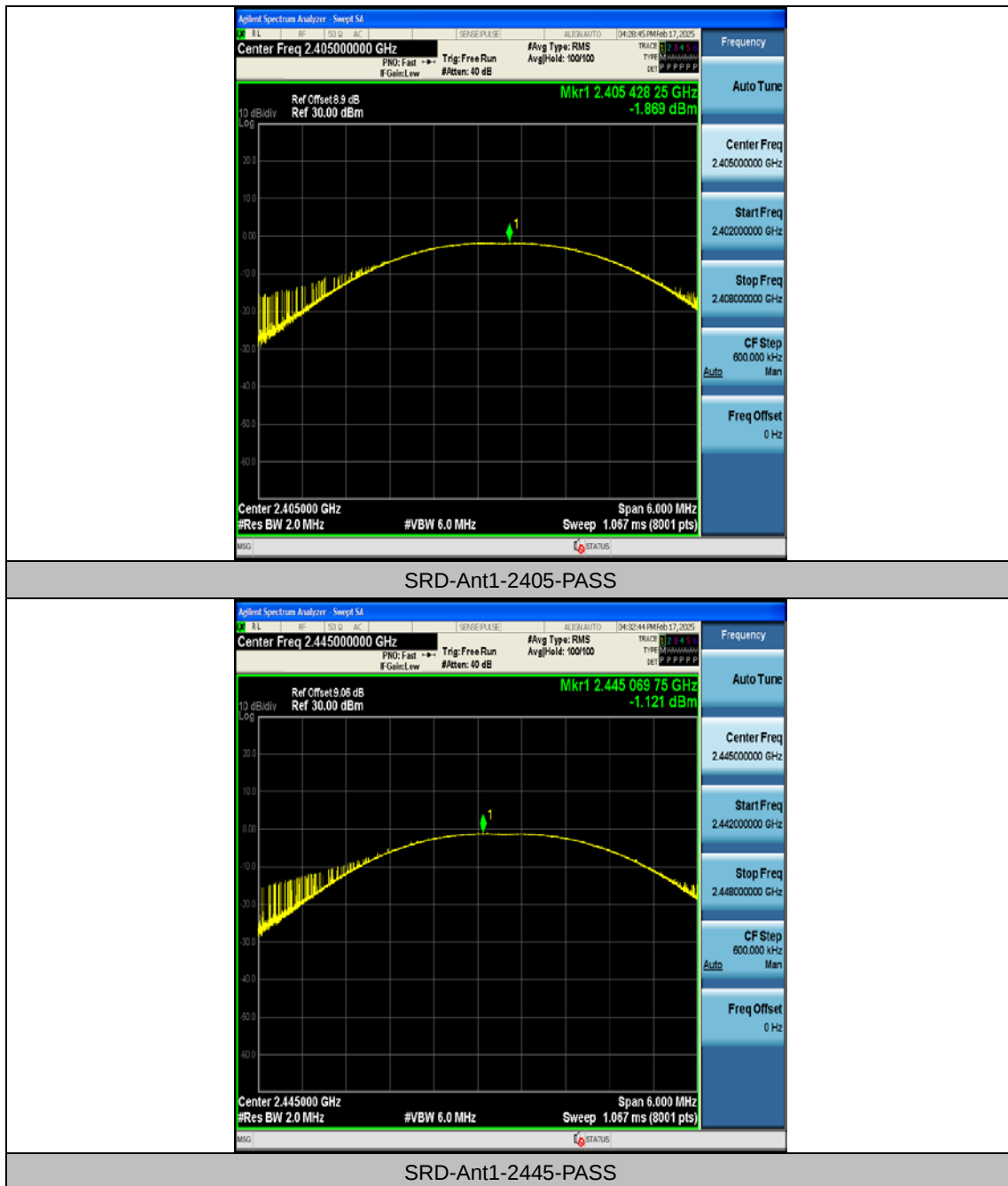


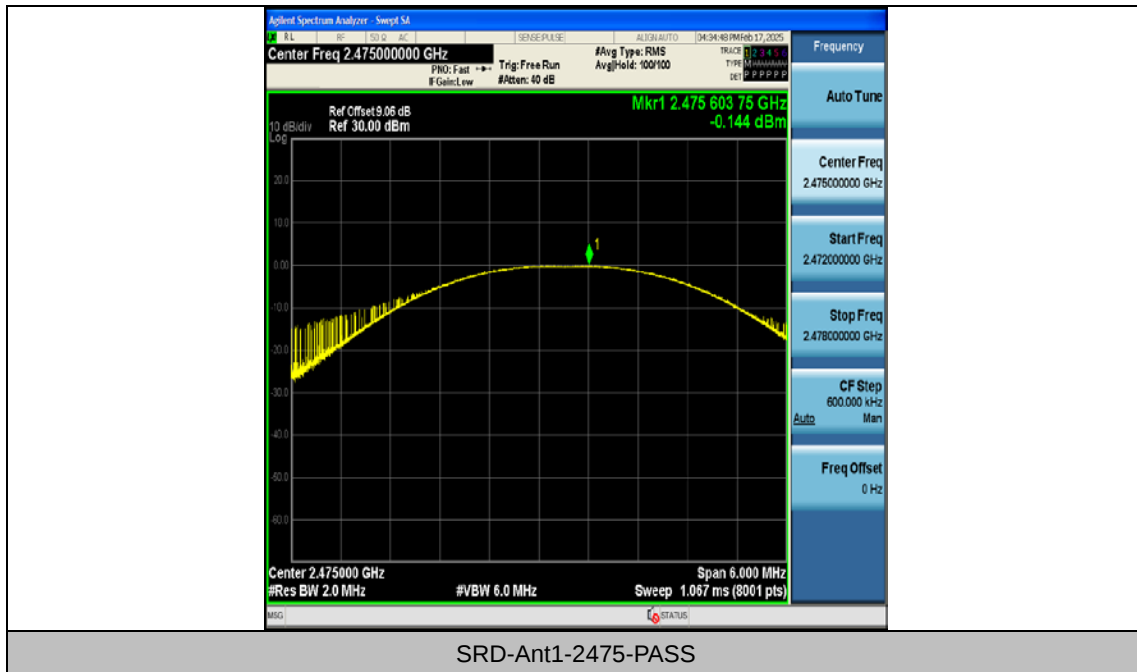
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2405	-1.87	≤30	PASS
SRD	Ant1	2445	-1.12	≤30	PASS
SRD	Ant1	2475	-0.14	≤30	PASS

Test Graphs Peak



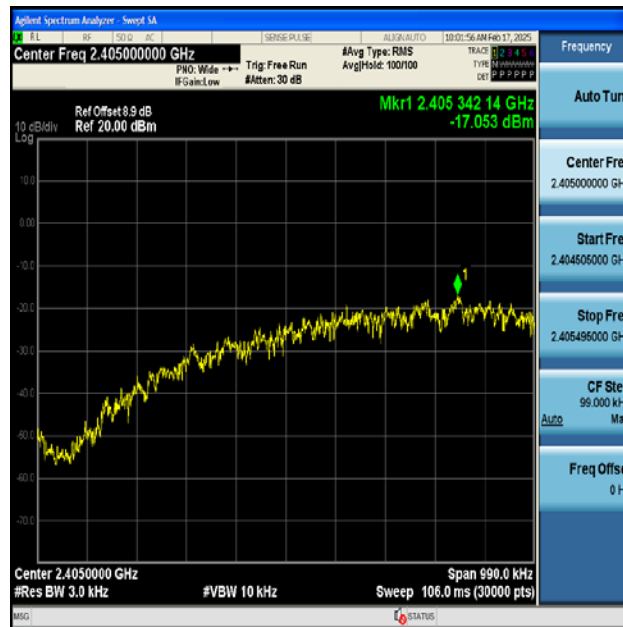


Appendix D: Maximum peak power spectral density

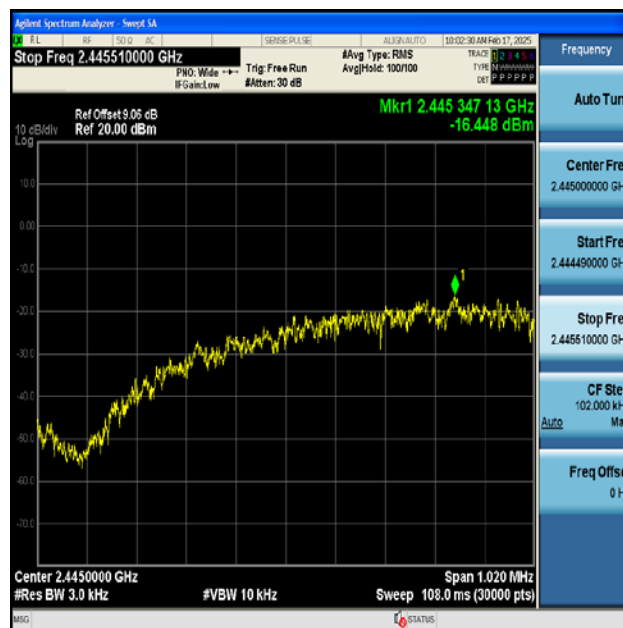
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2405	-17.05	≤8.00	PASS
SRD	Ant1	2445	-16.45	≤8.00	PASS
SRD	Ant1	2475	-15.68	≤8.00	PASS

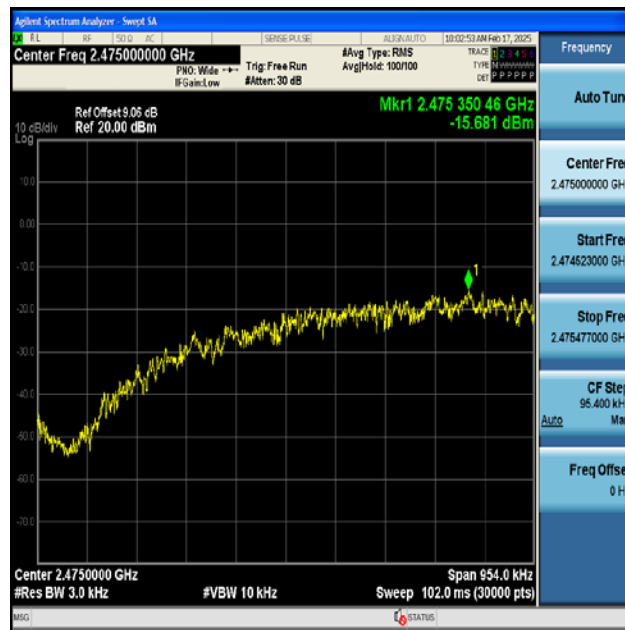
Test Graphs



SRD-Ant1-2405-PASS



SRD-Ant1-2445-PASS



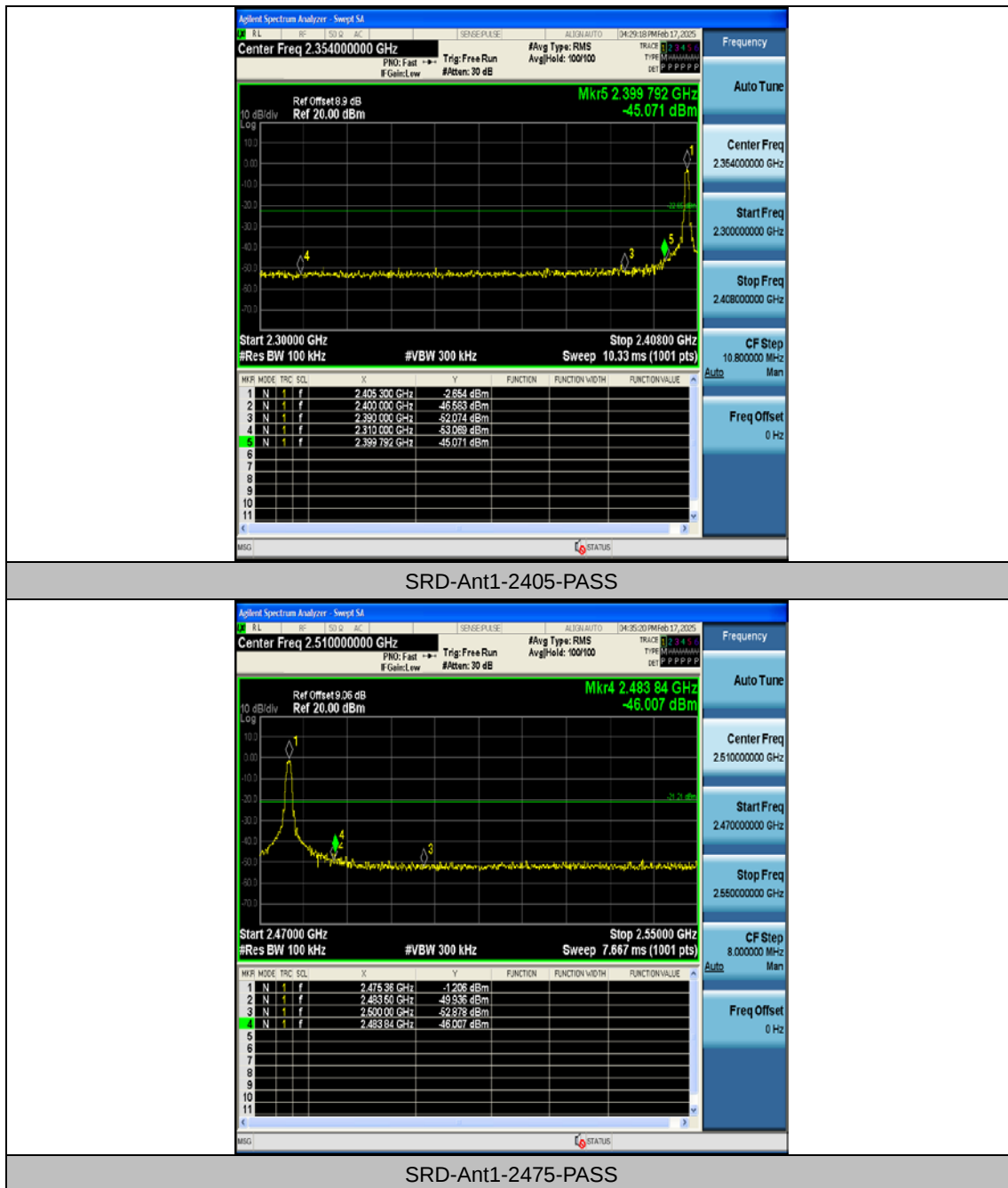
SRD-Ant1-2475-PASS

Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2405	-2.65	-45.07	≤ -22.65	PASS
SRD	Ant1	High	2475	-1.21	-46.01	≤ -21.21	PASS

Test Graphs

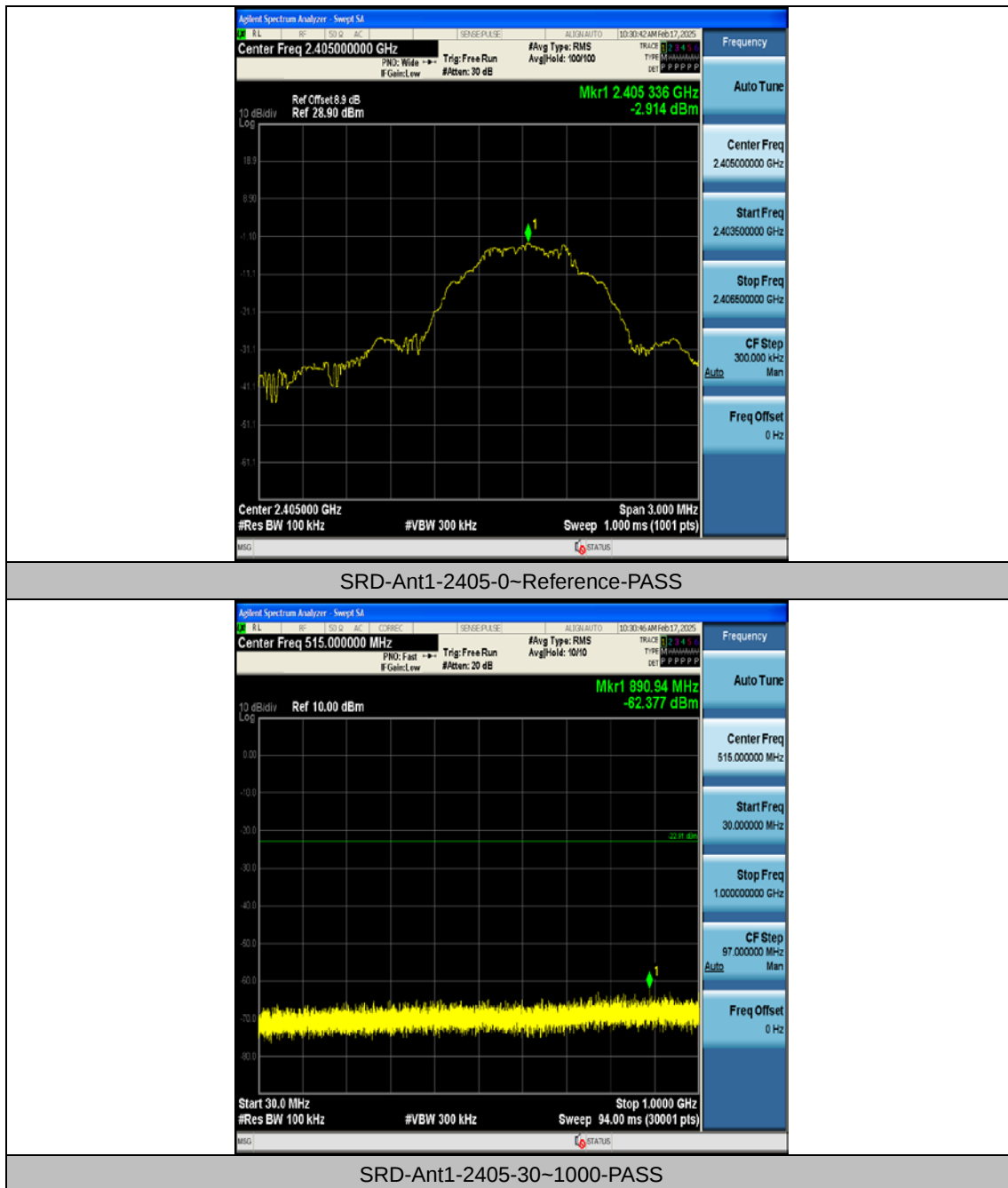


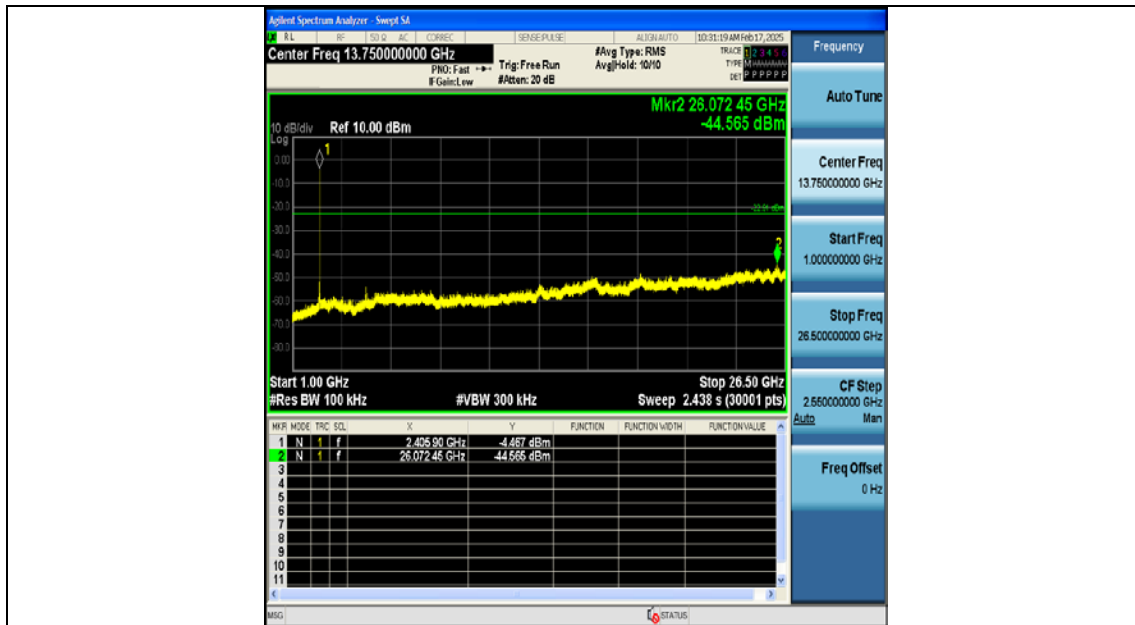
Appendix F: Conducted Spurious Emission

Test Result

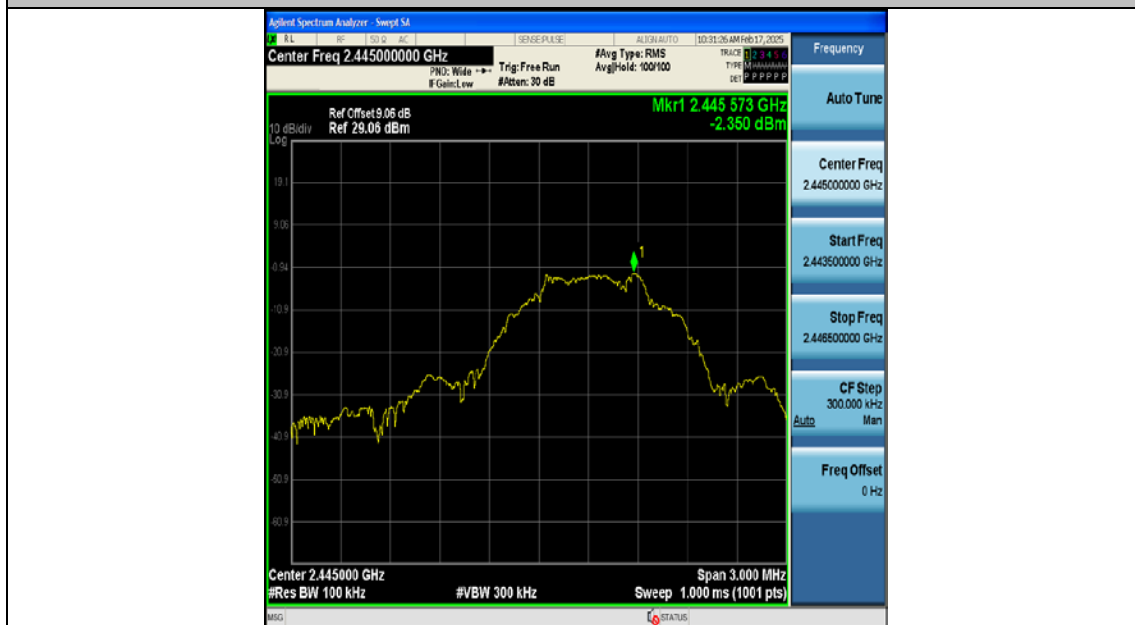
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2405	0~Reference	-2.91	-2.91	---	PASS
SRD	Ant1	2405	30~1000	-2.91	-62.38	≤ -22.91	PASS
SRD	Ant1	2405	1000~26500	-2.91	-44.57	≤ -22.91	PASS
SRD	Ant1	2445	0~Reference	-2.35	-2.35	---	PASS
SRD	Ant1	2445	30~1000	-2.35	-62.8	≤ -22.35	PASS
SRD	Ant1	2445	1000~26500	-2.35	-45.68	≤ -22.35	PASS
SRD	Ant1	2475	0~Reference	-1.24	-1.24	---	PASS
SRD	Ant1	2475	30~1000	-1.24	-62.57	≤ -21.24	PASS
SRD	Ant1	2475	1000~26500	-1.24	-45.15	≤ -21.24	PASS

Test Graphs

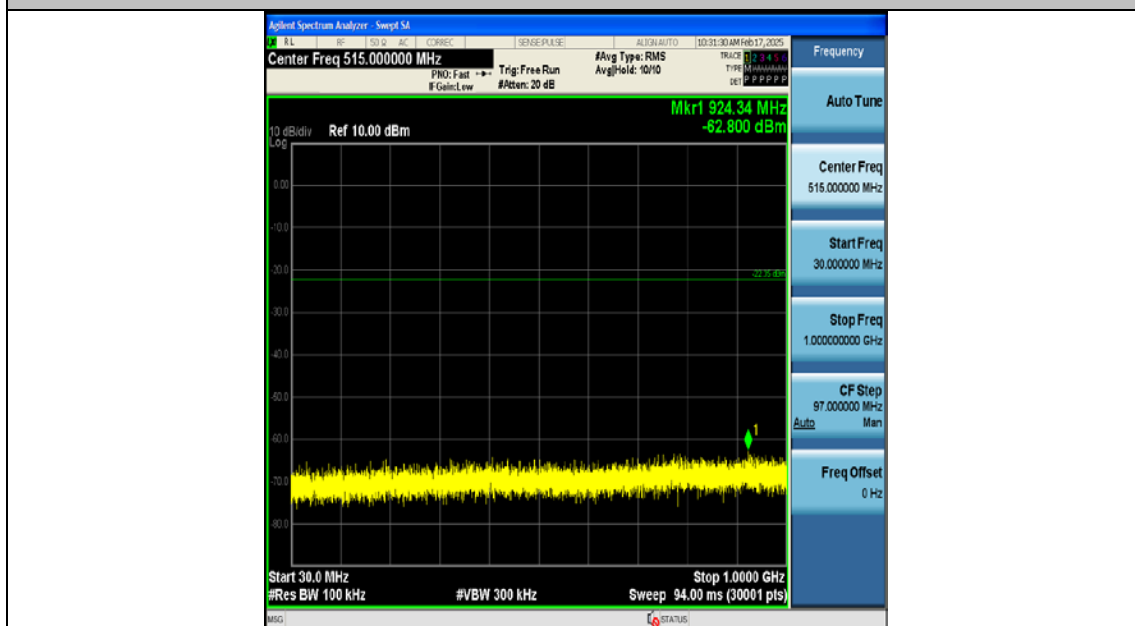




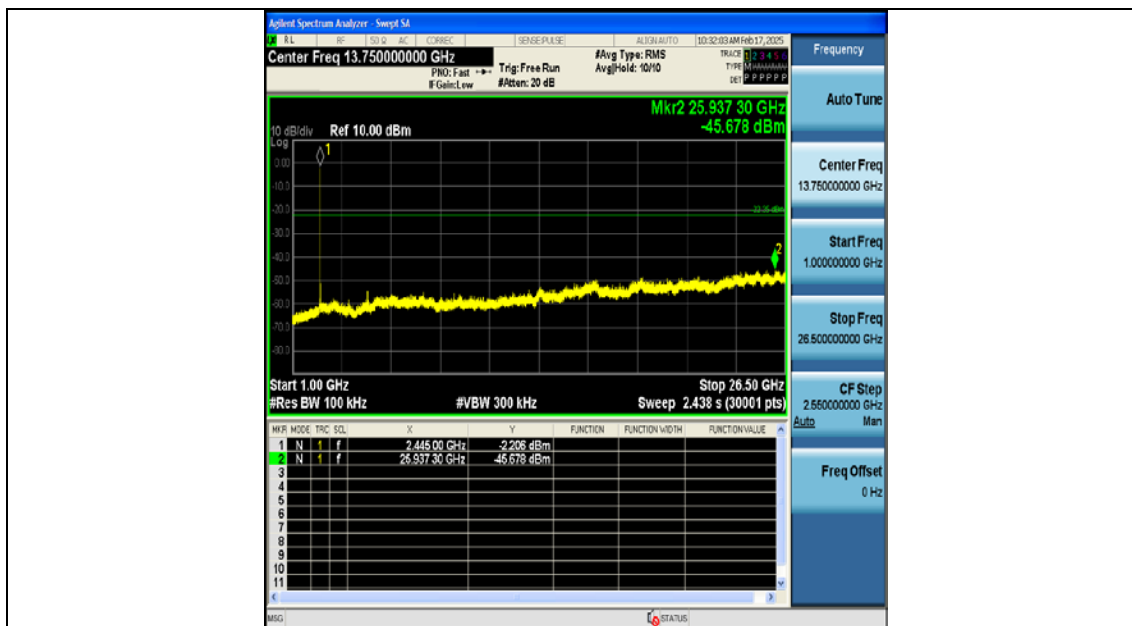
SRD-Ant1-2405-1000~26500-PASS



SRD-Ant1-2445-0~Reference-PASS



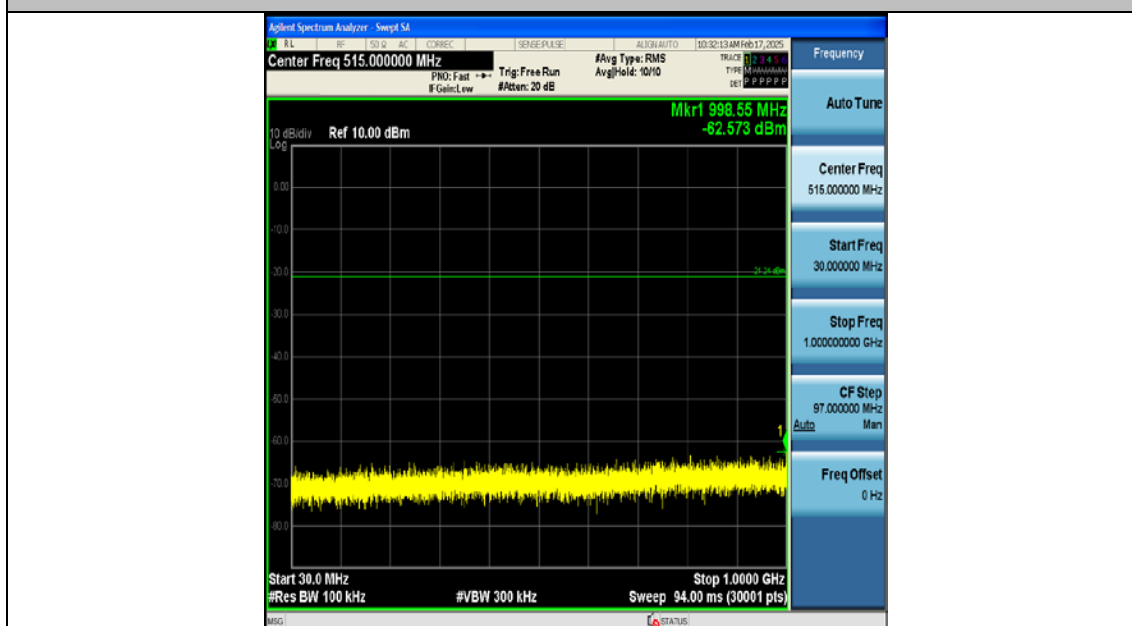
SRD-Ant1-2445-30~1000-PASS



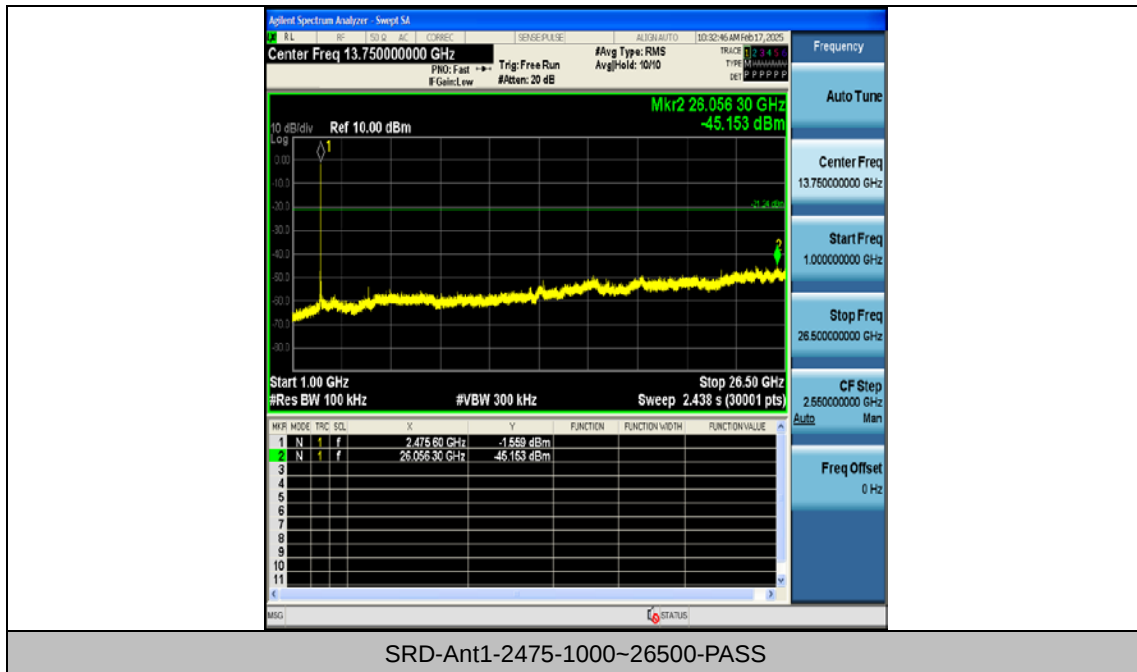
SRD-Ant1-2445-1000~26500-PASS



SRD-Ant1-2475-0~Reference-PASS



SRD-Ant1-2475-30~1000-PASS



Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2405	0.17	0.30	56.67	2.47
SRD	Ant1	2445	0.17	0.29	58.62	2.32
SRD	Ant1	2475	0.17	0.55	30.91	5.10

Test Graphs

