

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Remote control car

Trade Mark: N/A

Test Model: V997

FCC ID: 2AFO7-V997

Environmental Conditions

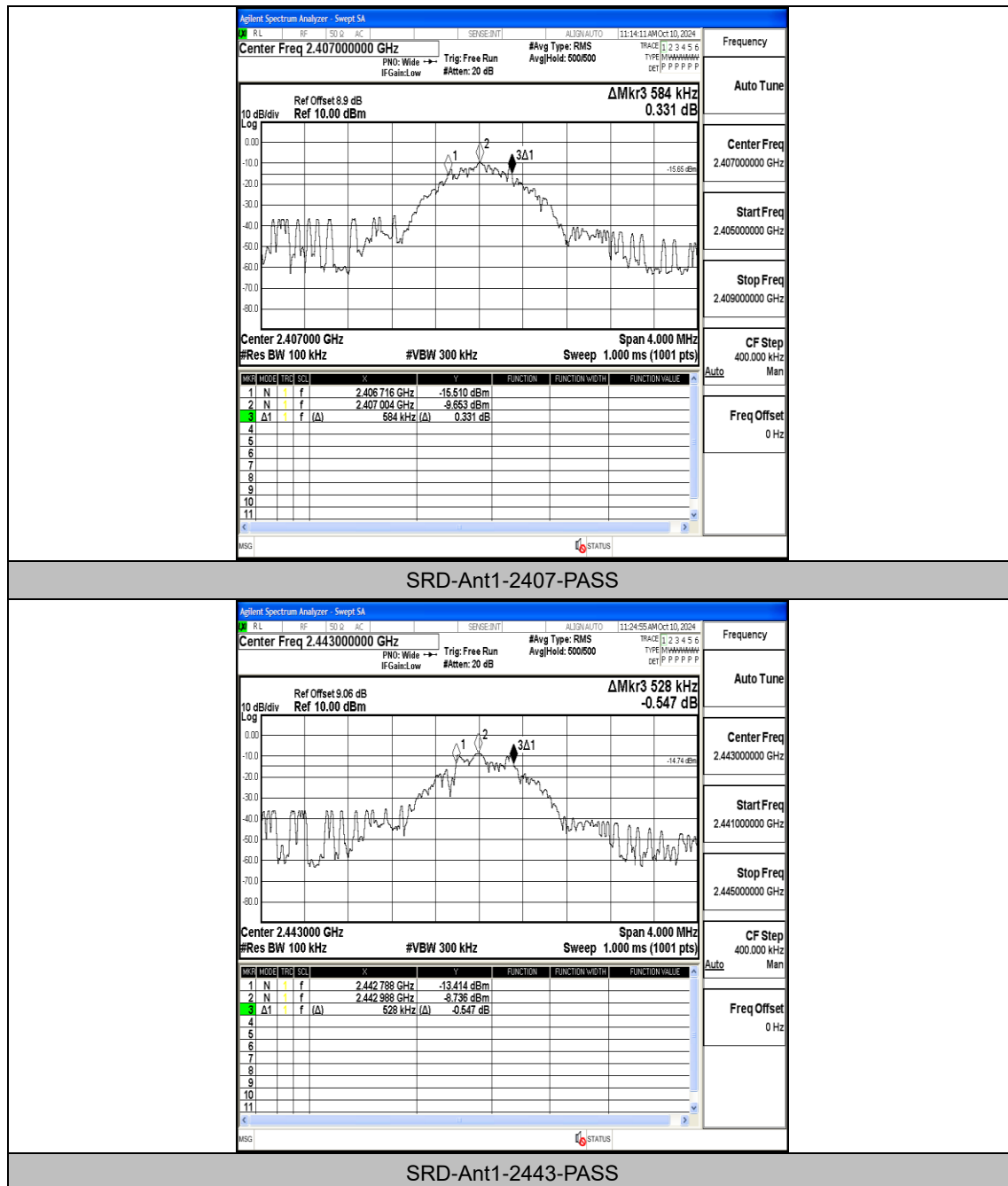
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

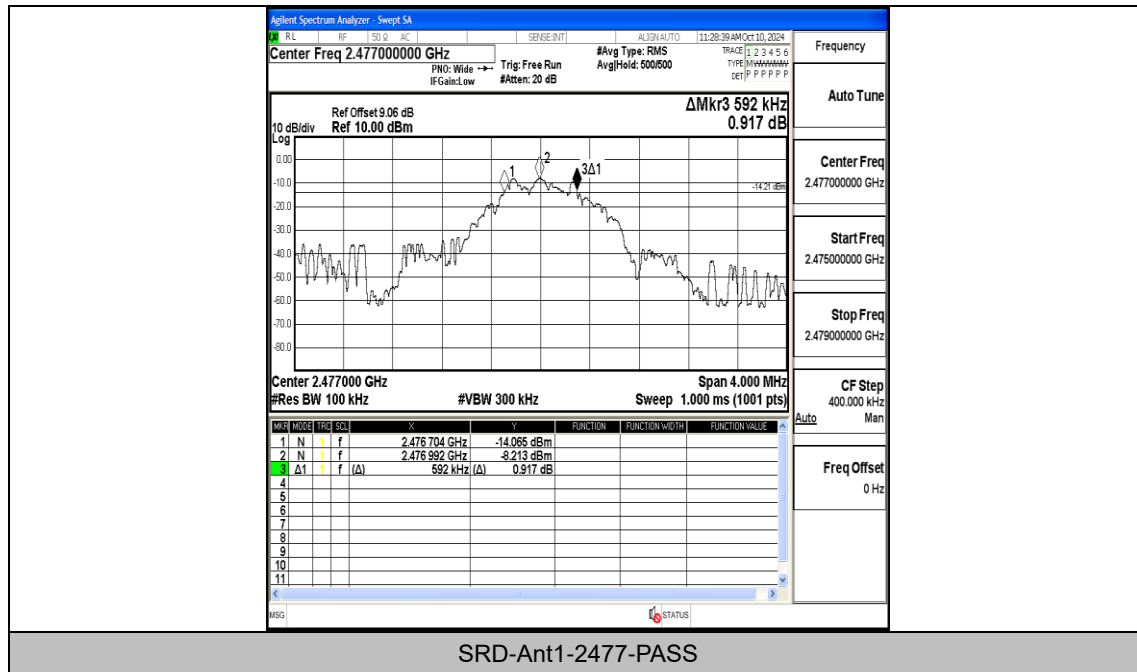
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	0.584	2406.716	2407.300	0.5	PASS
SRD	Ant1	2443	0.528	2442.788	2443.316	0.5	PASS
SRD	Ant1	2477	0.592	2476.704	2477.296	0.5	PASS

Test Graphs



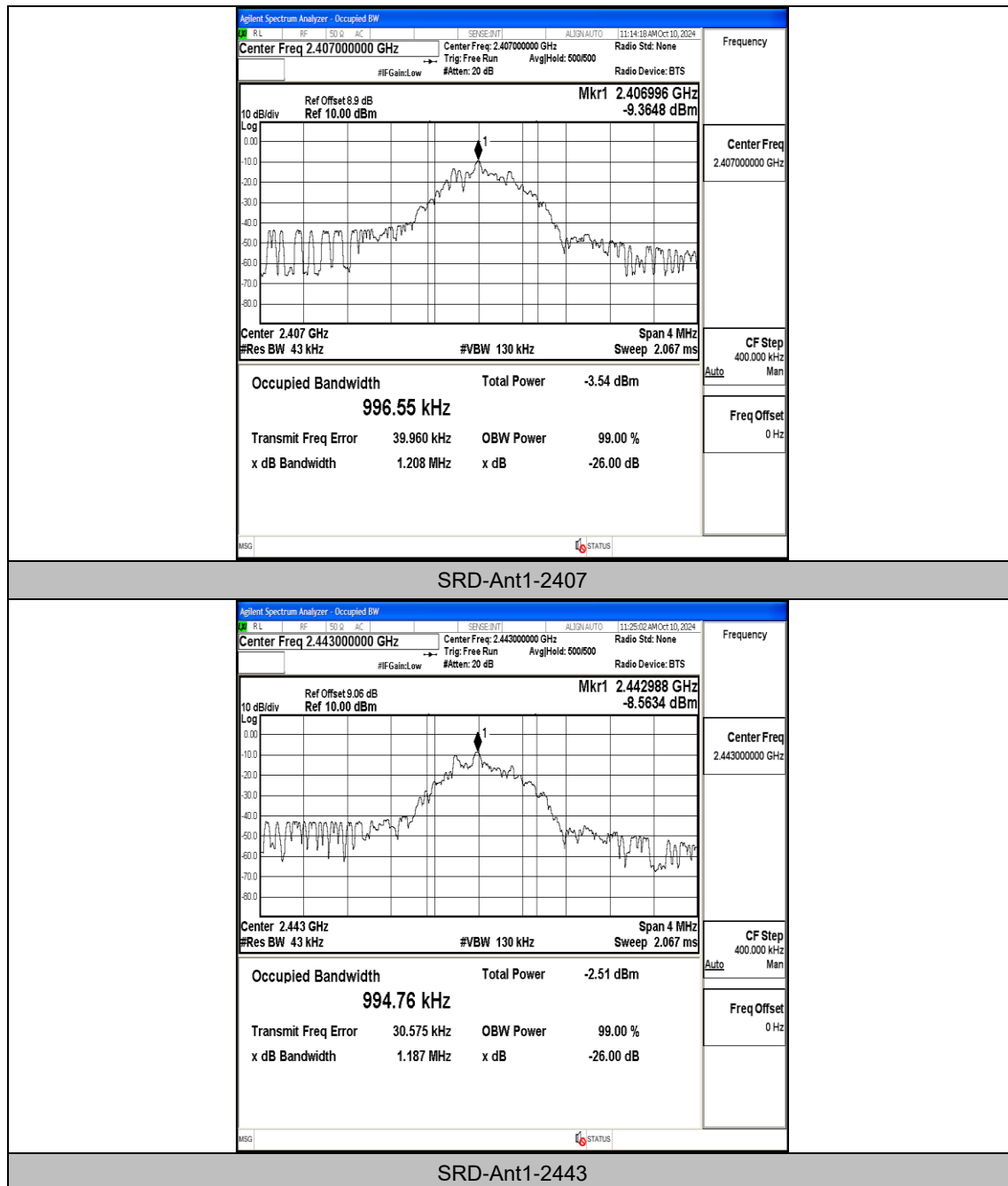


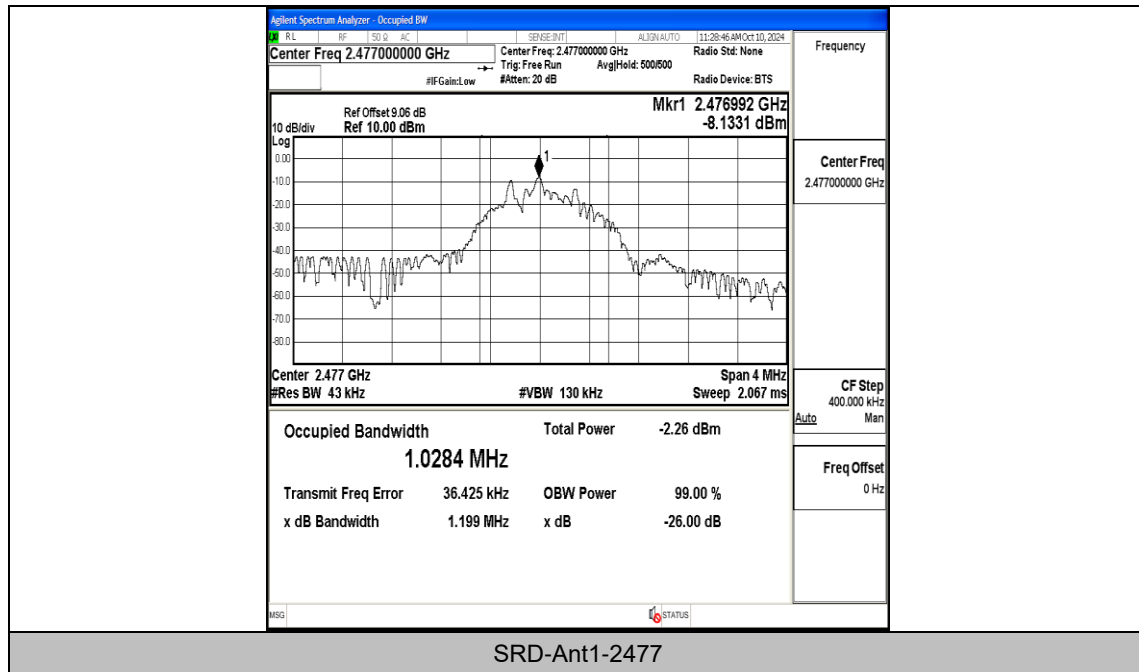
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	0.99655	2406.5417	2407.5382	---	---
SRD	Ant1	2443	0.99476	2442.5332	2443.5280	---	---
SRD	Ant1	2477	1.0284	2476.5222	2477.5506	---	---

Test Graphs



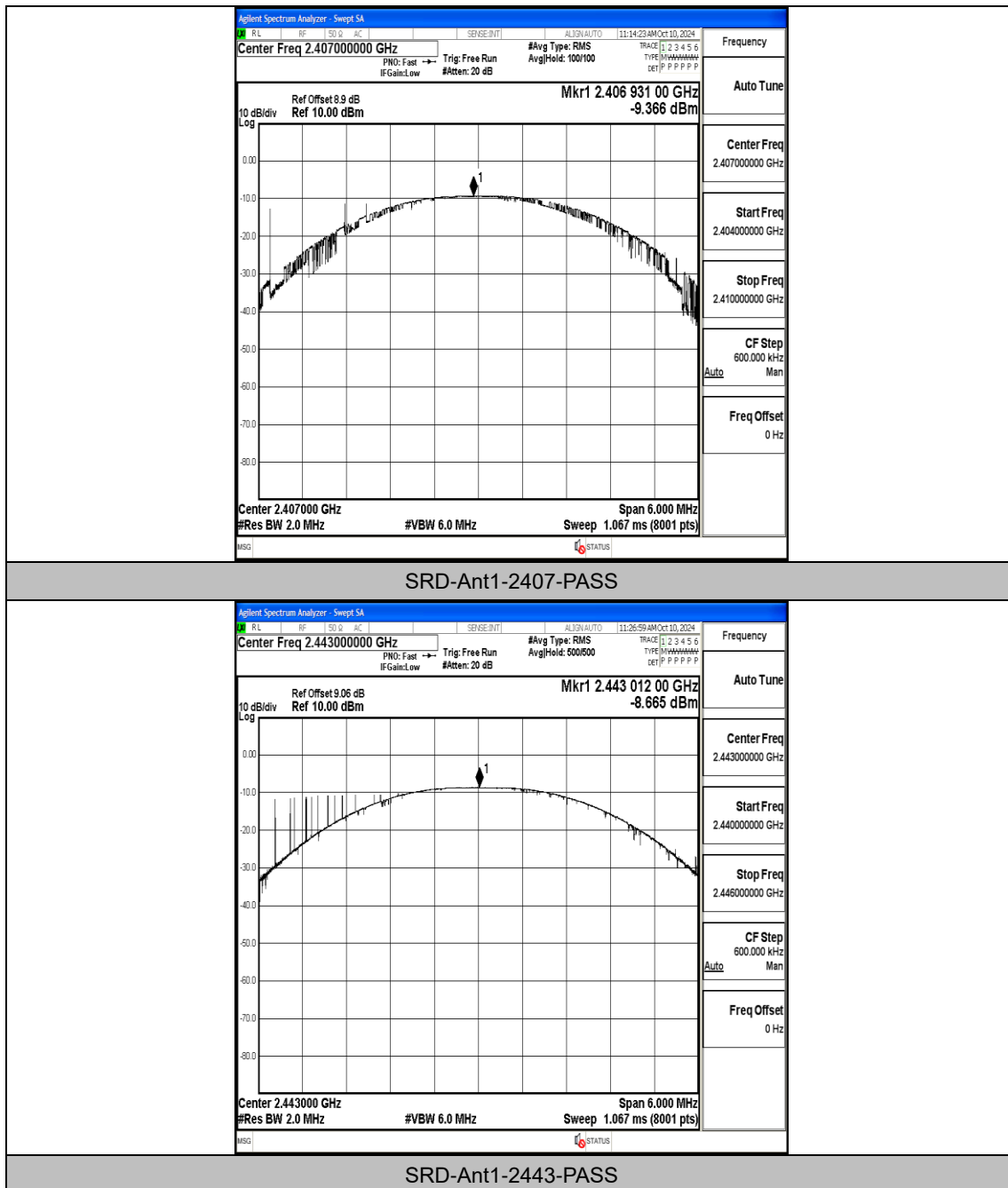


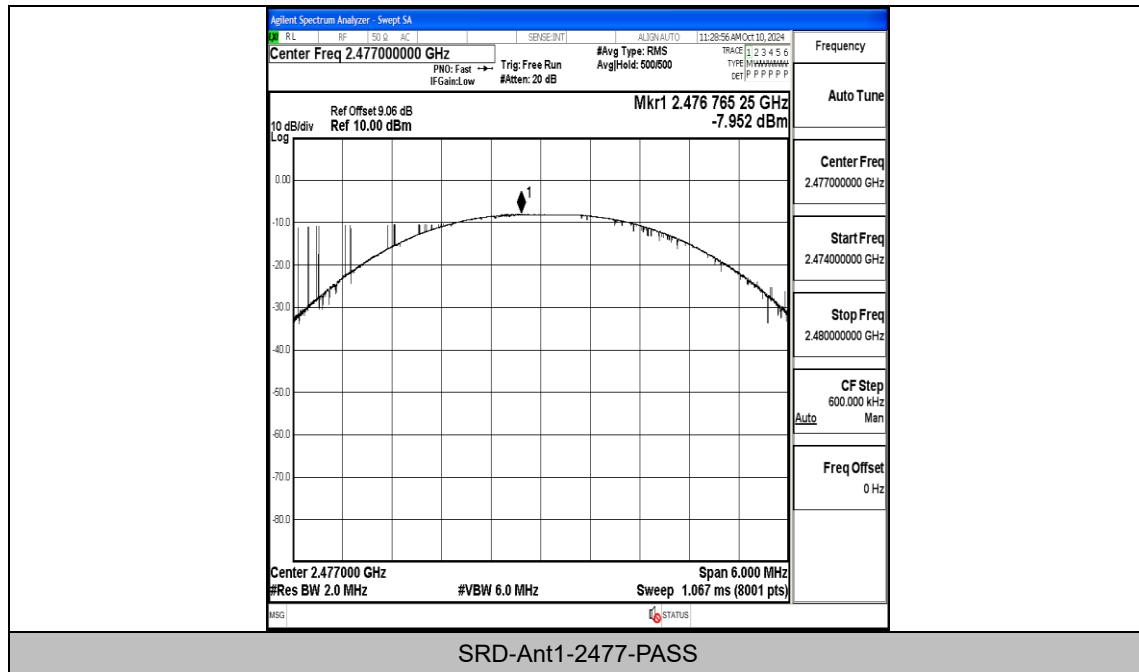
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2407	-9.37	≤30	PASS
SRD	Ant1	2443	-8.67	≤30	PASS
SRD	Ant1	2477	-7.95	≤30	PASS

Test Graphs Peak



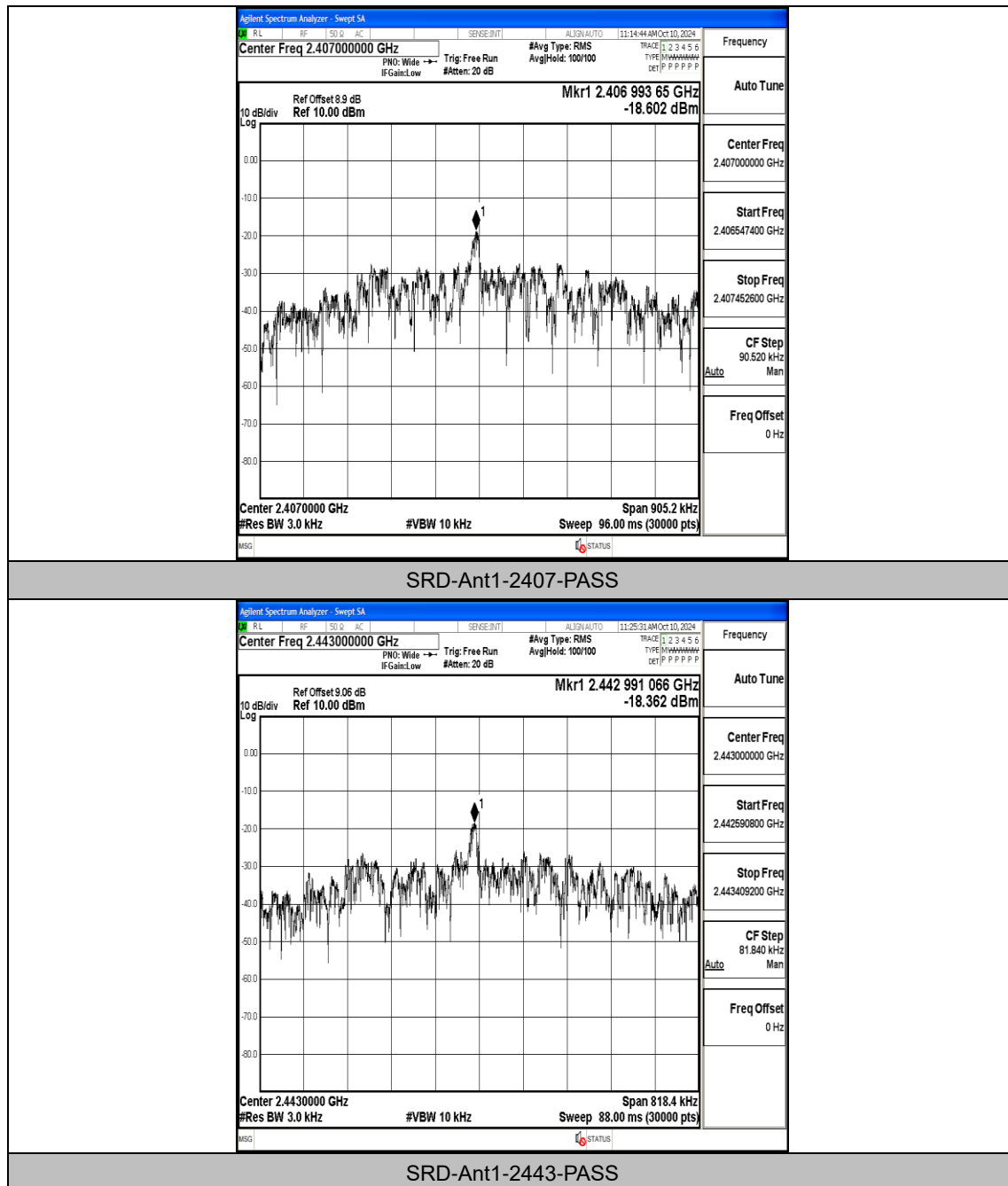


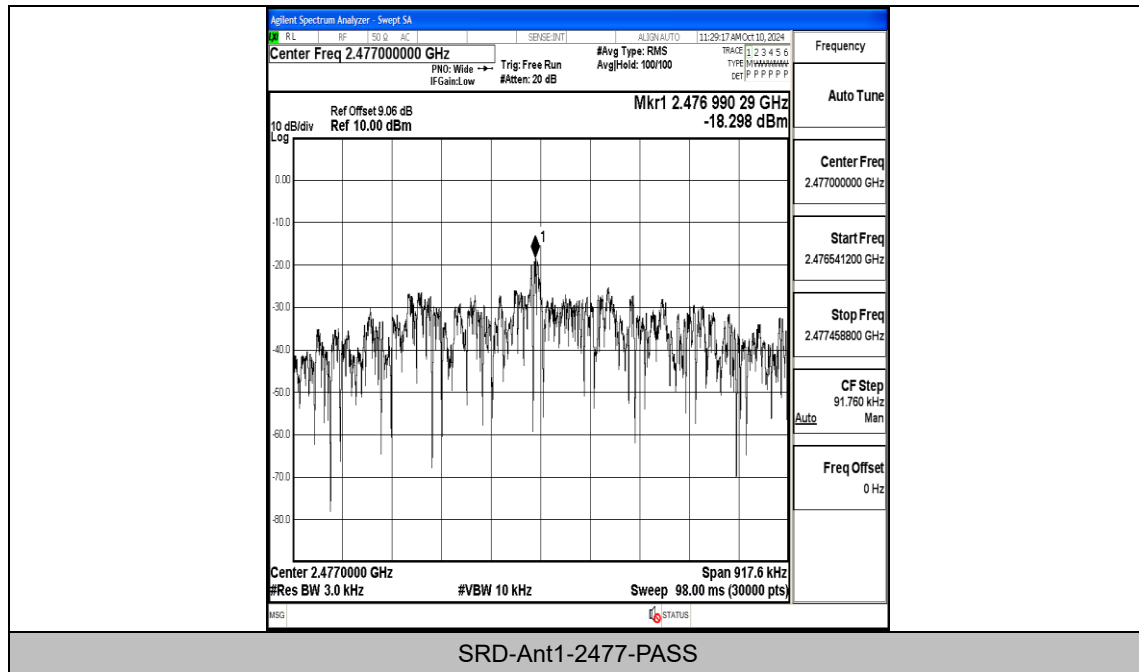
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2407	-18.60	≤8.00	PASS
SRD	Ant1	2443	-18.36	≤8.00	PASS
SRD	Ant1	2477	-18.30	≤8.00	PASS

Test Graphs



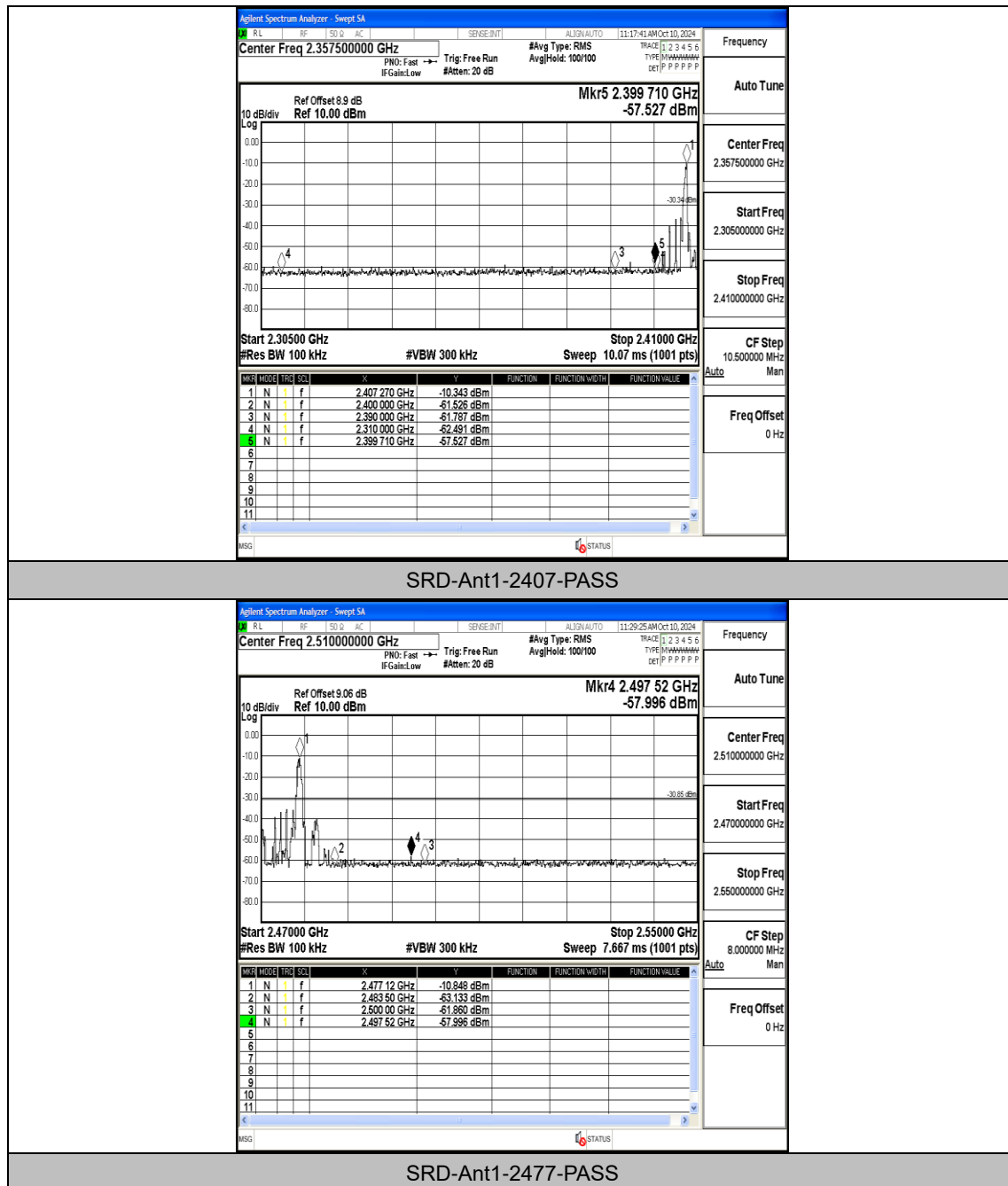


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2407	-10.34	-57.53	≤ -30.34	PASS
SRD	Ant1	High	2477	-10.85	-58	≤ -30.85	PASS

Test Graphs

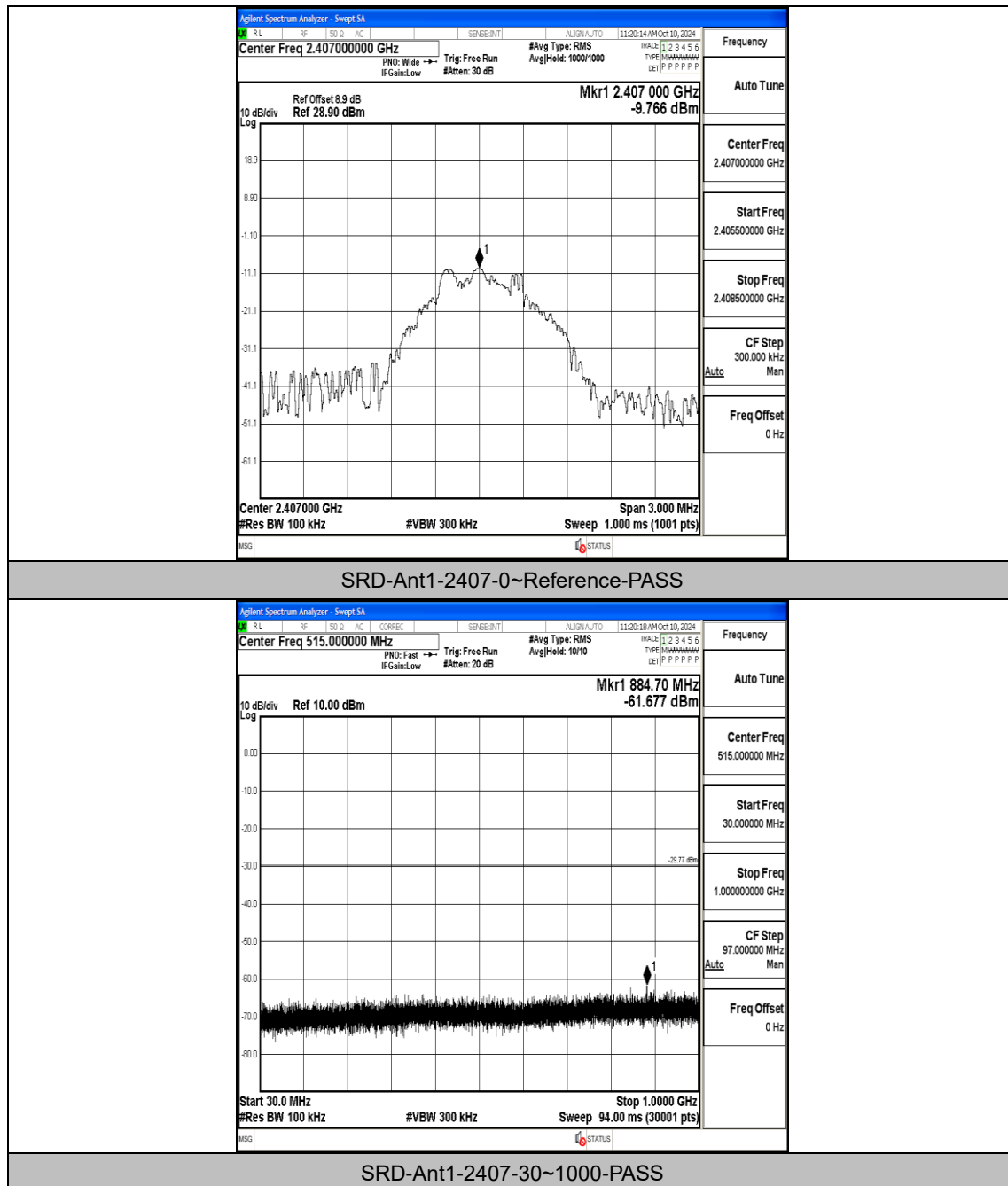


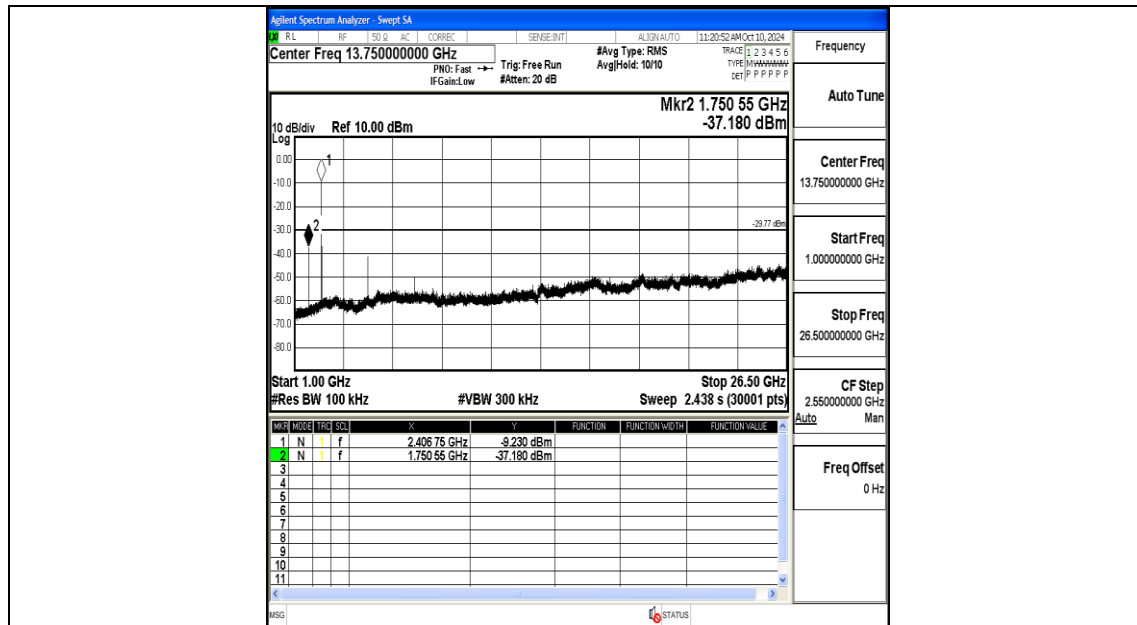
Appendix F: Conducted Spurious Emission

Test Result

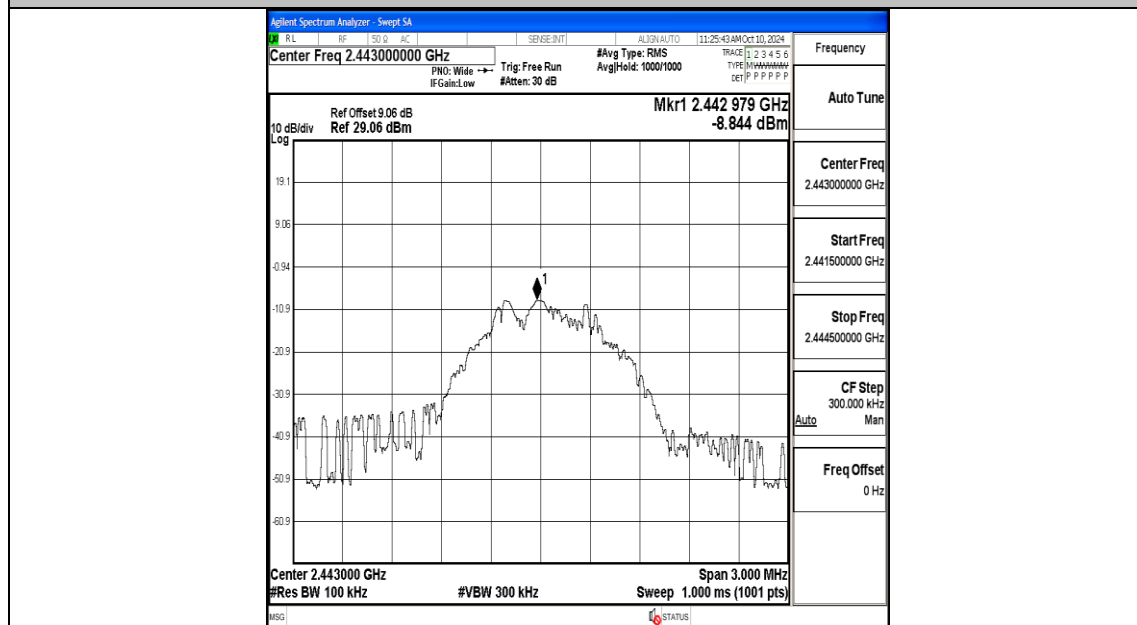
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2407	0~Reference	-9.77	-9.77	---	PASS
SRD	Ant1	2407	30~1000	-9.77	-61.68	≤-29.77	PASS
SRD	Ant1	2407	1000~26500	-9.77	-37.18	≤-29.77	PASS
SRD	Ant1	2443	0~Reference	-8.84	-8.84	---	PASS
SRD	Ant1	2443	30~1000	-8.84	-62.4	≤-28.84	PASS
SRD	Ant1	2443	1000~26500	-8.84	-40.72	≤-28.84	PASS
SRD	Ant1	2477	0~Reference	-8.22	-8.22	---	PASS
SRD	Ant1	2477	30~1000	-8.22	-61.53	≤-28.22	PASS
SRD	Ant1	2477	1000~26500	-8.22	-45	≤-28.22	PASS

Test Graphs

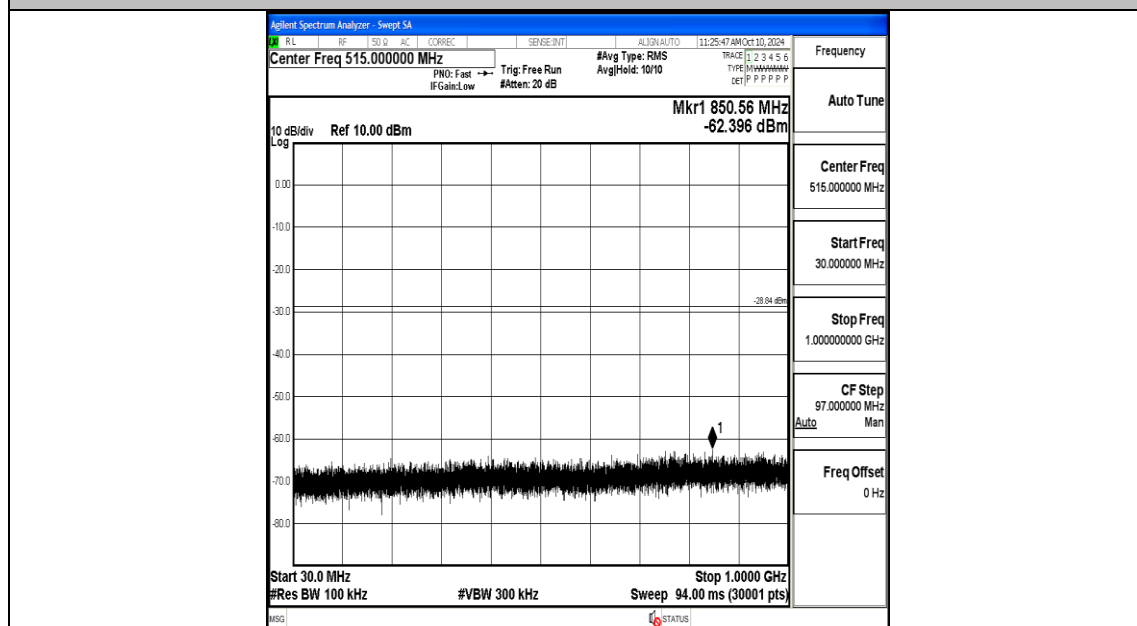




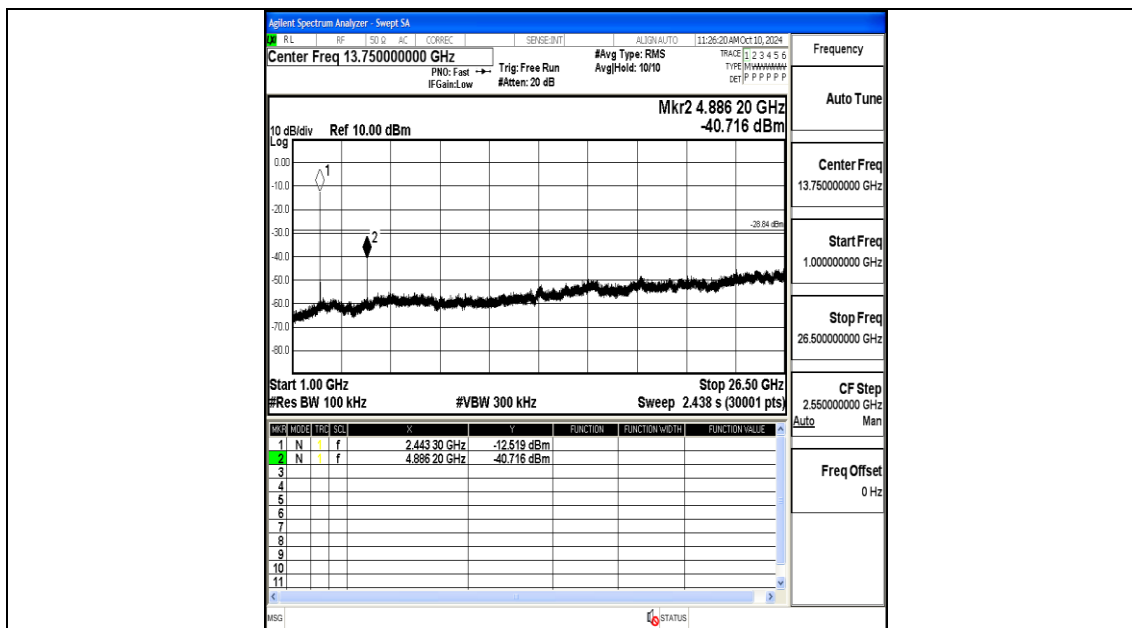
SRD-Ant1-2407-1000~26500-PASS



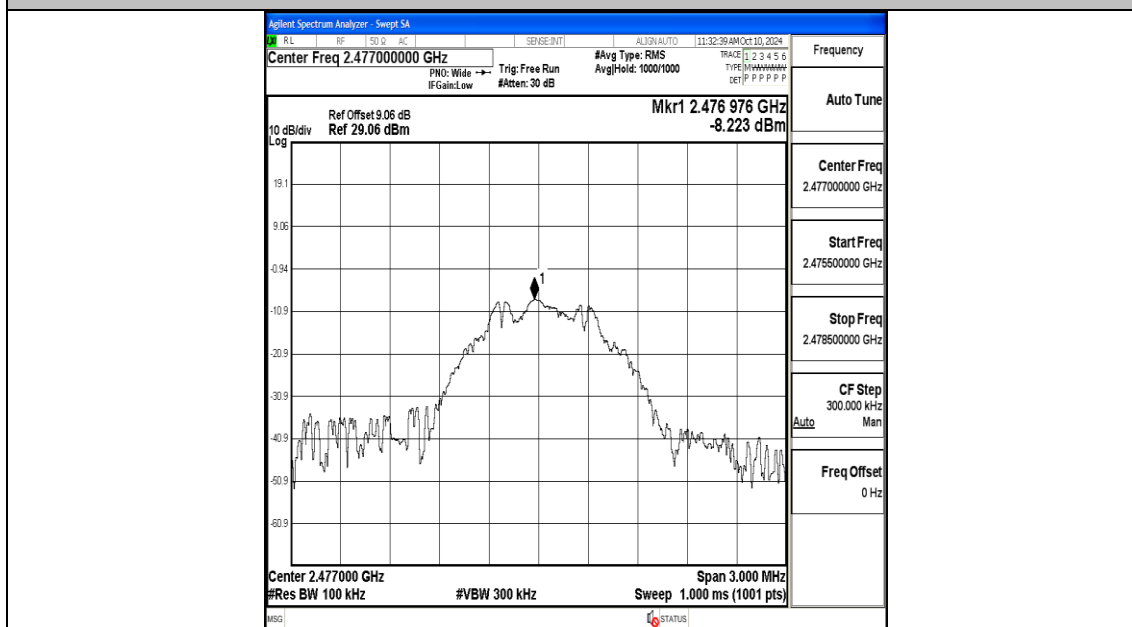
SRD-Ant1-2443-0~Reference-PASS



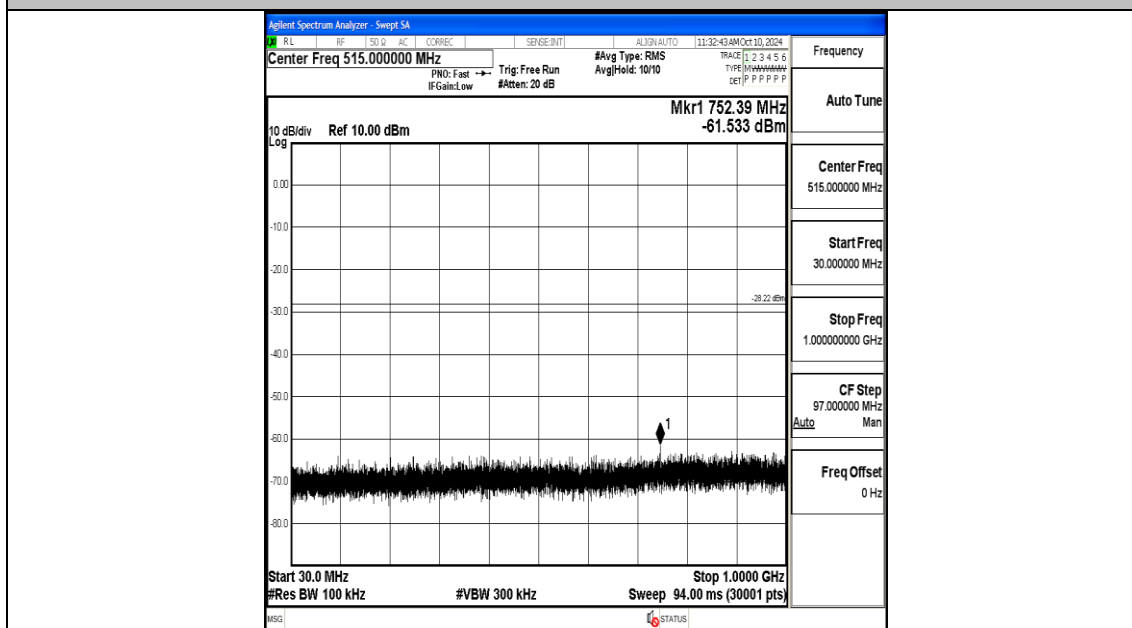
SRD-Ant1-2443-30~1000-PASS



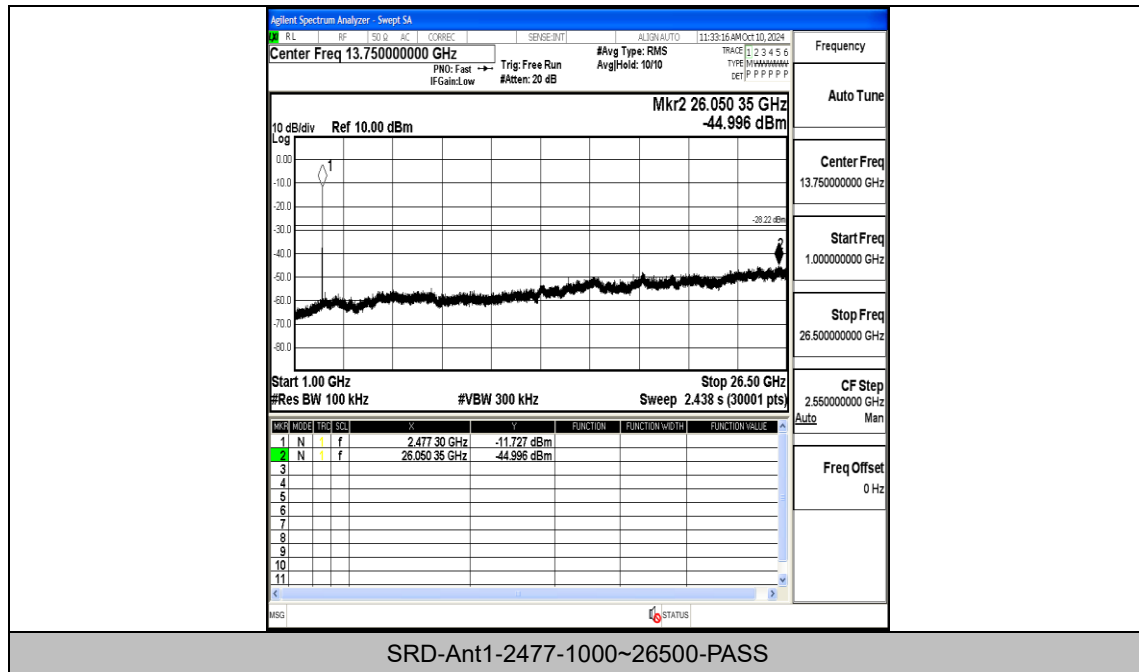
SRD-Ant1-2443-1000~26500-PASS



SRD-Ant1-2477-0~Reference-PASS



SRD-Ant1-2477-30~1000-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	2407	0.22	10.02	2.20	16.58
SRD	Ant1	2443	0.22	10.07	2.18	16.62
SRD	Ant1	2477	0.22	10.10	2.18	16.62

Test Graphs

