

Appendix Test Data for SRD (Conducted Measurement)

Product Name: R/C Boat

Trade Mark: /

Test Model: YK080

FCC ID: 2BODP080YK

Environmental Conditions

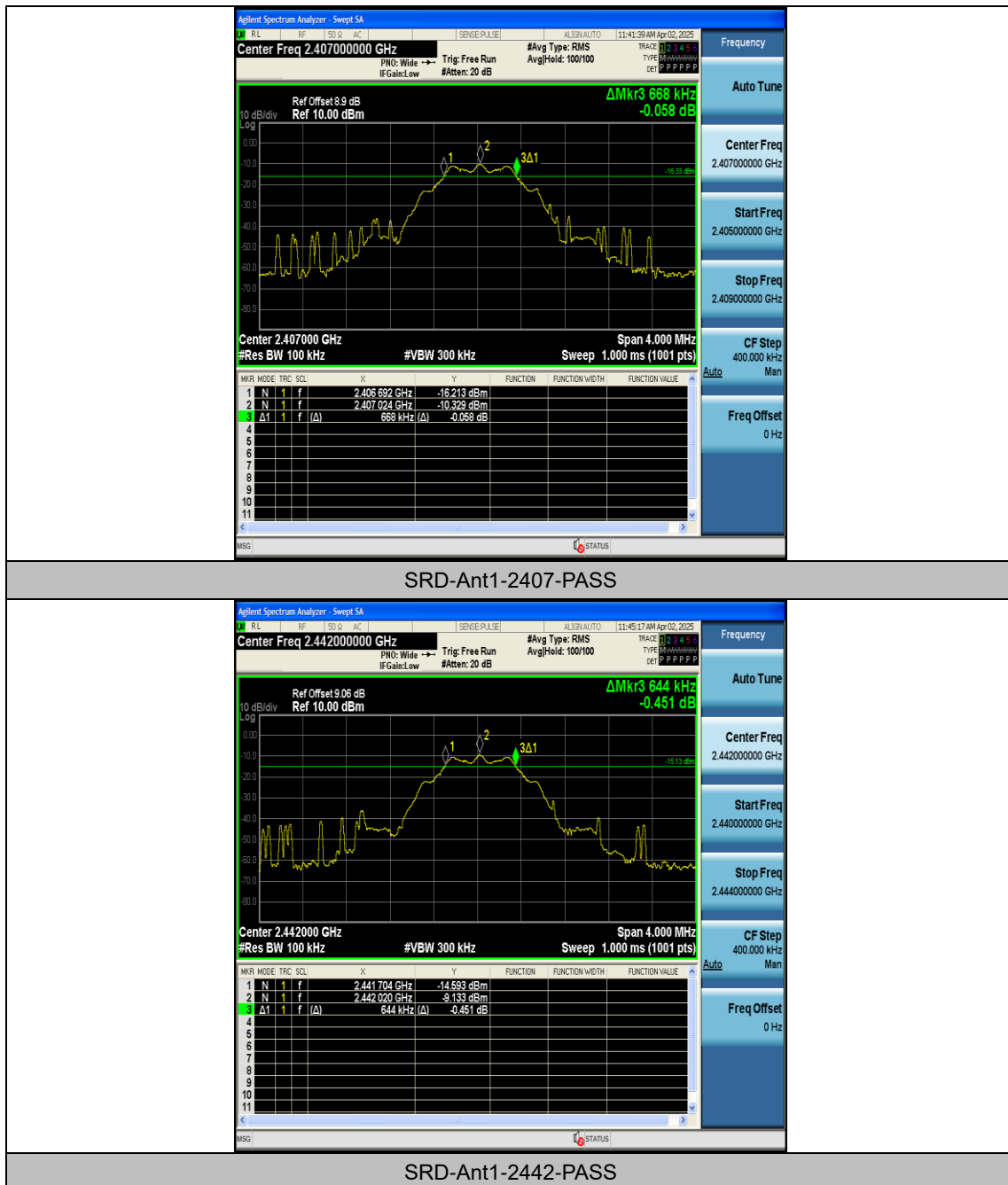
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	0.668	2406.692	2407.360	0.5	PASS
SRD	Ant1	2442	0.644	2441.704	2442.348	0.5	PASS
SRD	Ant1	2477	0.672	2476.692	2477.364	0.5	PASS

Test Graphs





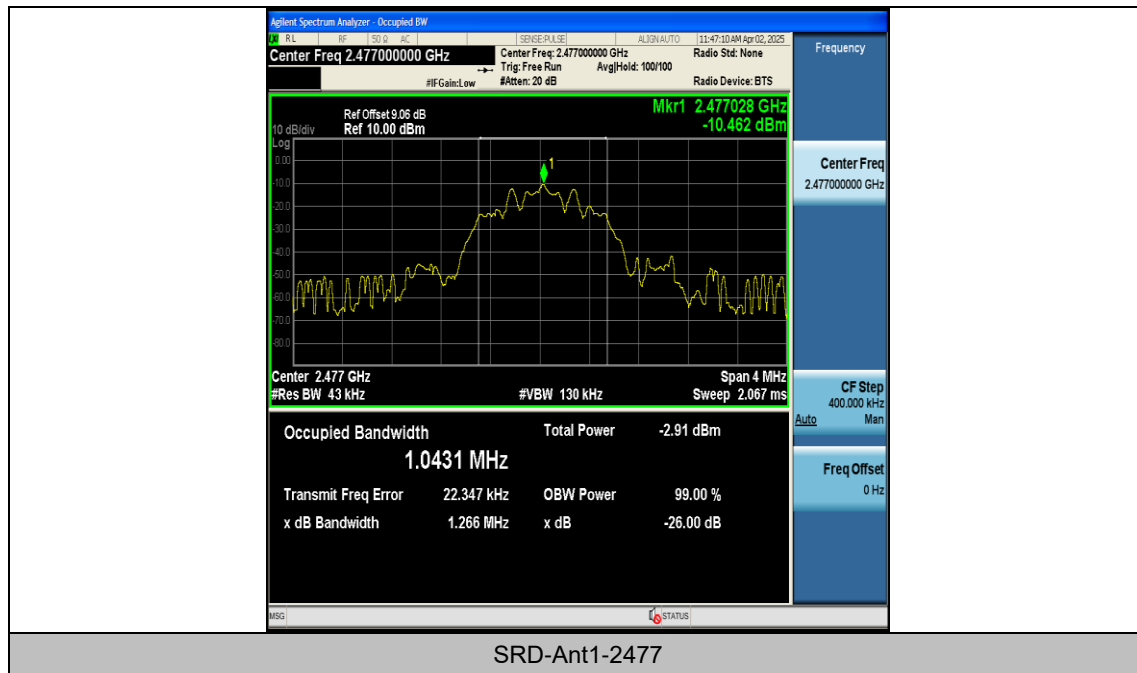
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	1.0460	2406.4999	2407.5459	---	---
SRD	Ant1	2442	1.0418	2441.4992	2442.5410	---	---
SRD	Ant1	2477	1.0431	2476.5008	2477.5439	---	---

Test Graphs



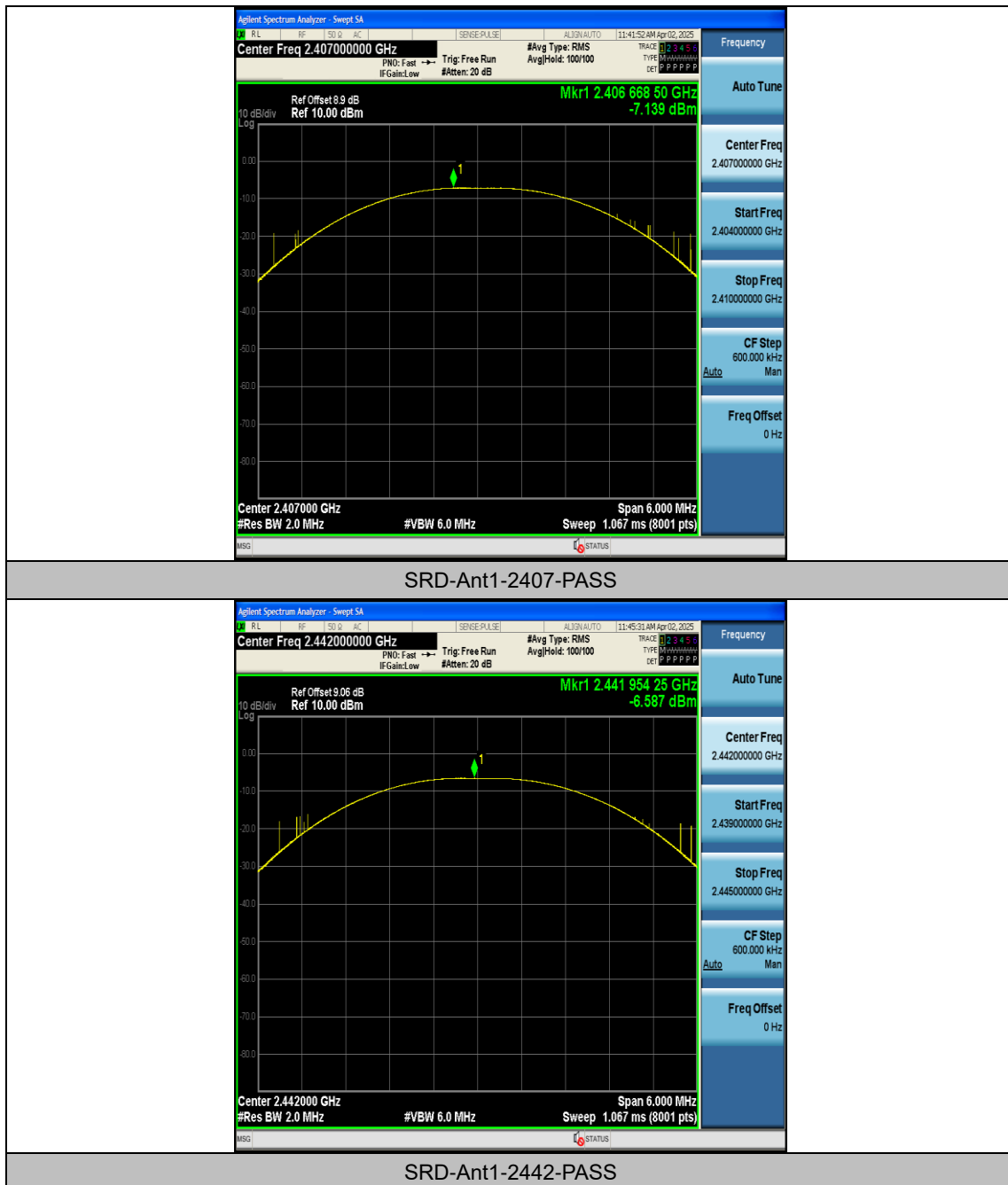


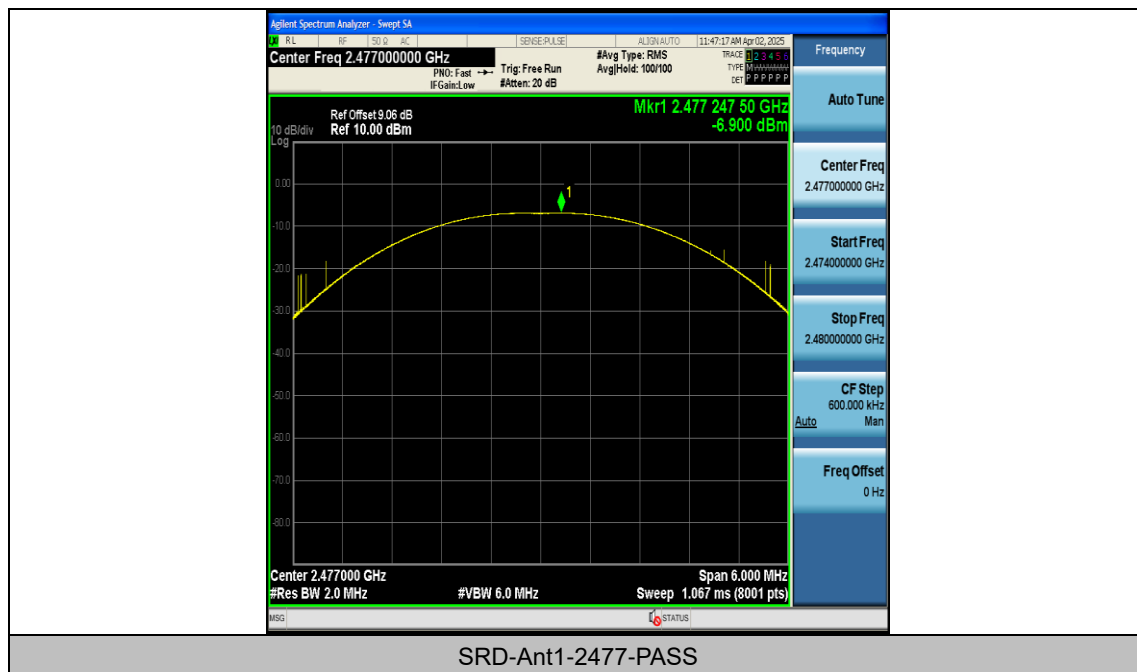
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2407	-7.14	≤30	PASS
SRD	Ant1	2442	-6.59	≤30	PASS
SRD	Ant1	2477	-6.90	≤30	PASS

Test Graphs Peak



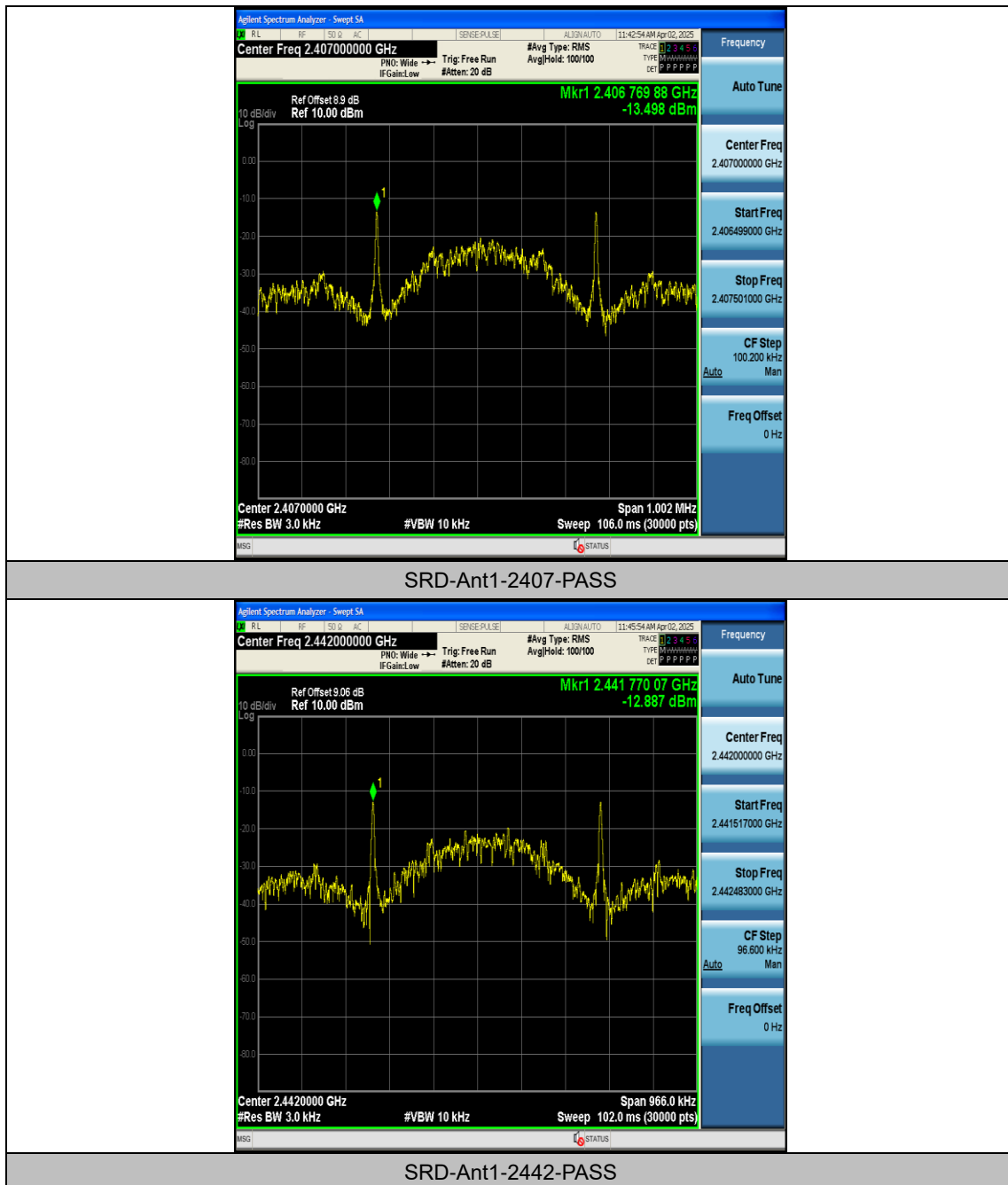


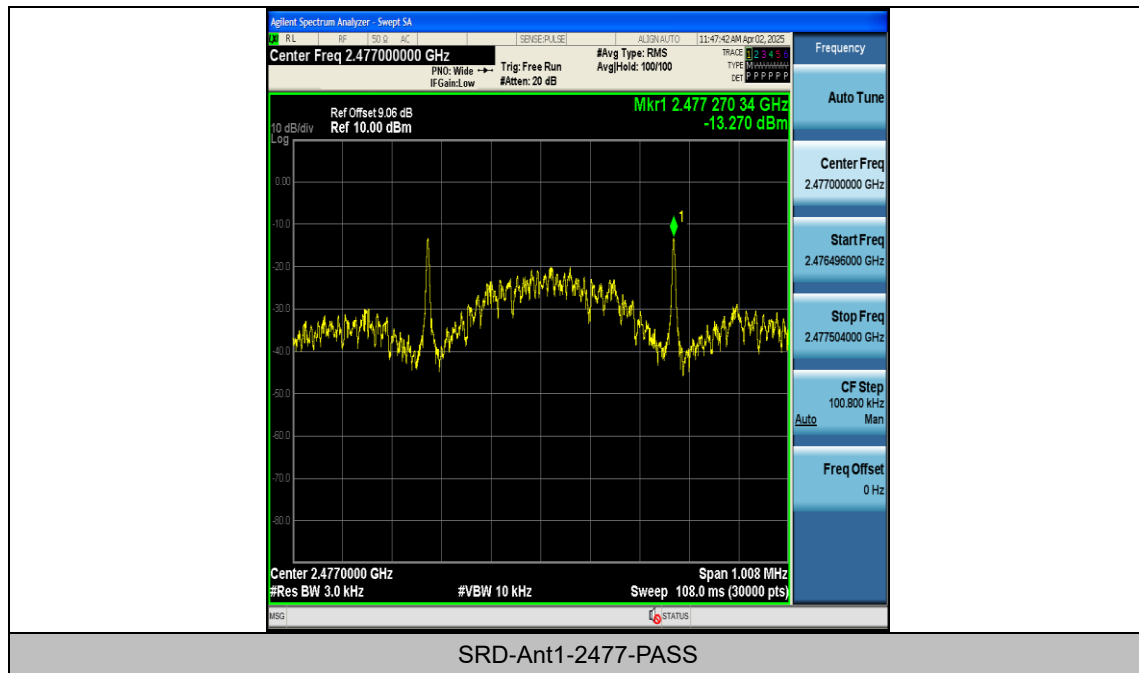
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2407	-13.50	≤8.00	PASS
SRD	Ant1	2442	-12.89	≤8.00	PASS
SRD	Ant1	2477	-13.27	≤8.00	PASS

Test Graphs



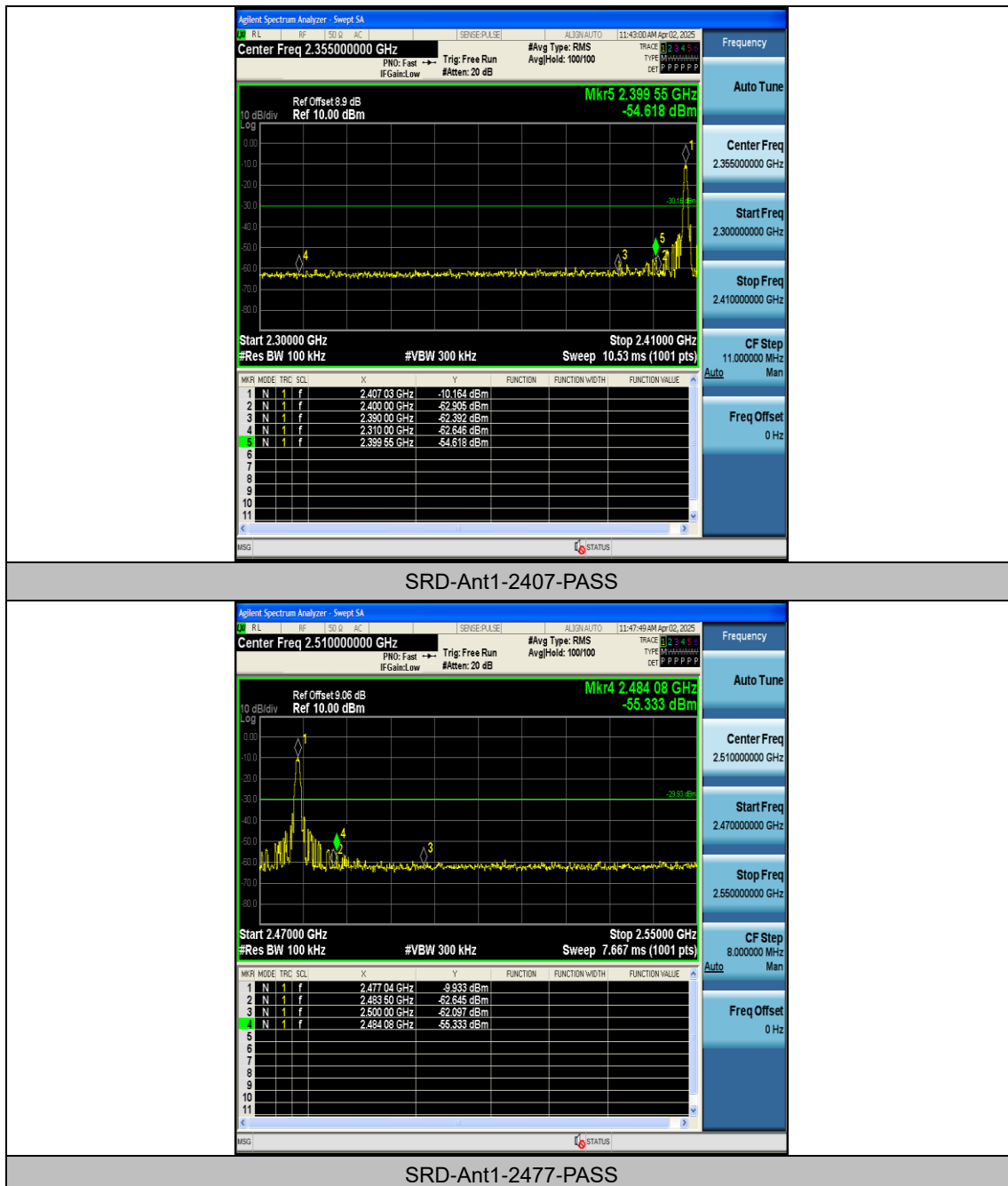


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2407	-10.16	-54.62	≤ -30.16	PASS
SRD	Ant1	High	2477	-9.93	-55.33	≤ -29.93	PASS

Test Graphs

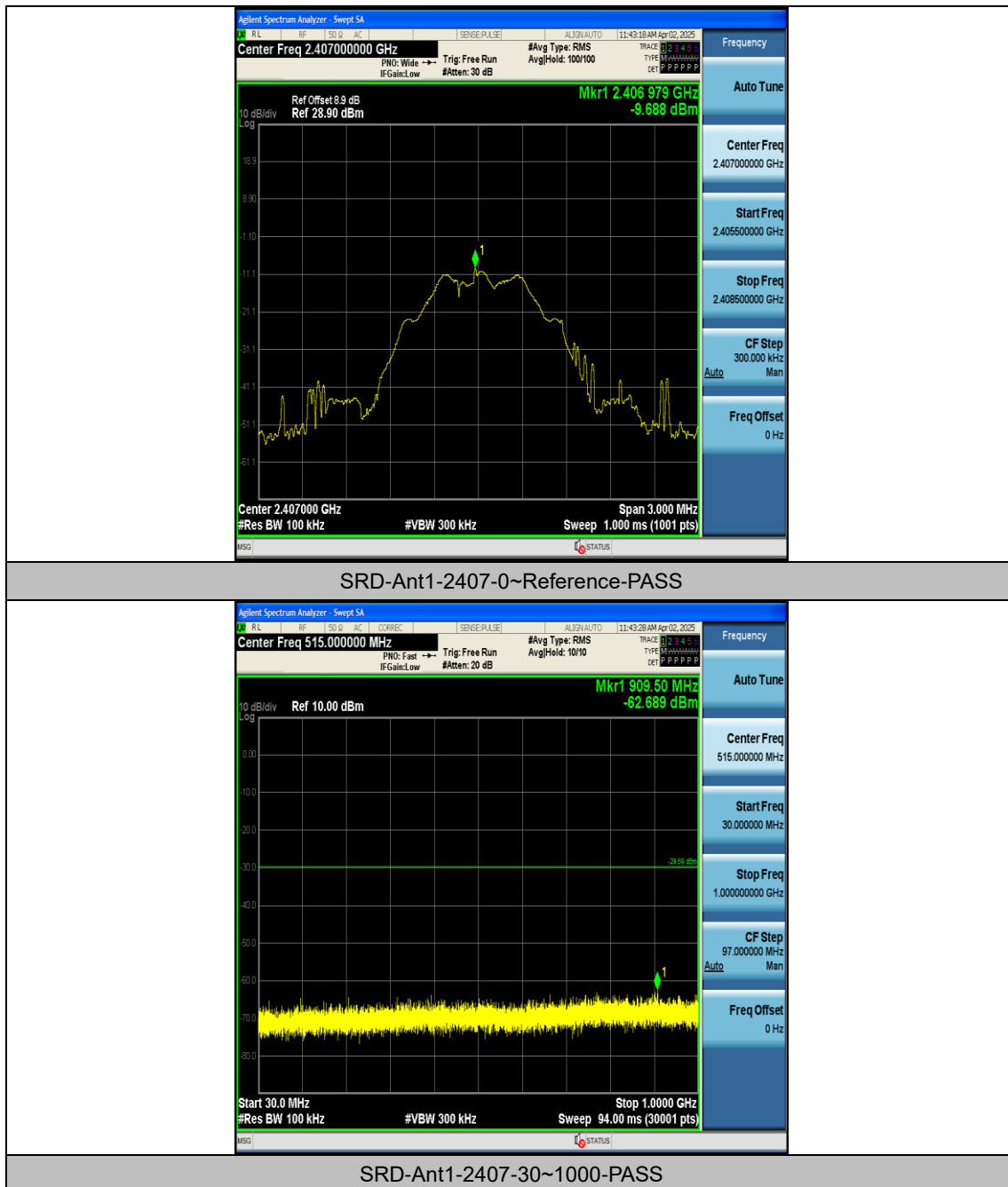


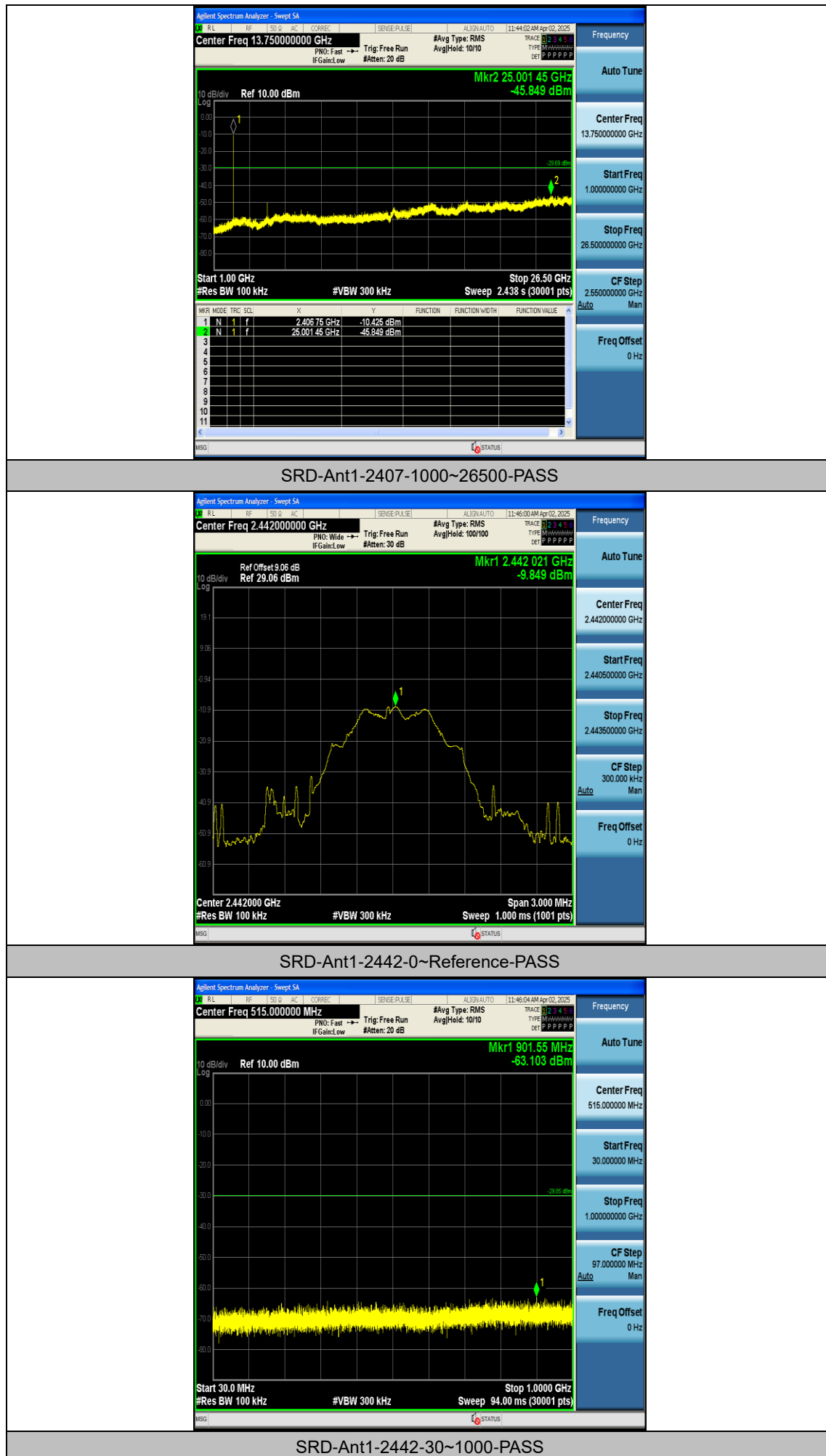
Appendix F: Conducted Spurious Emission

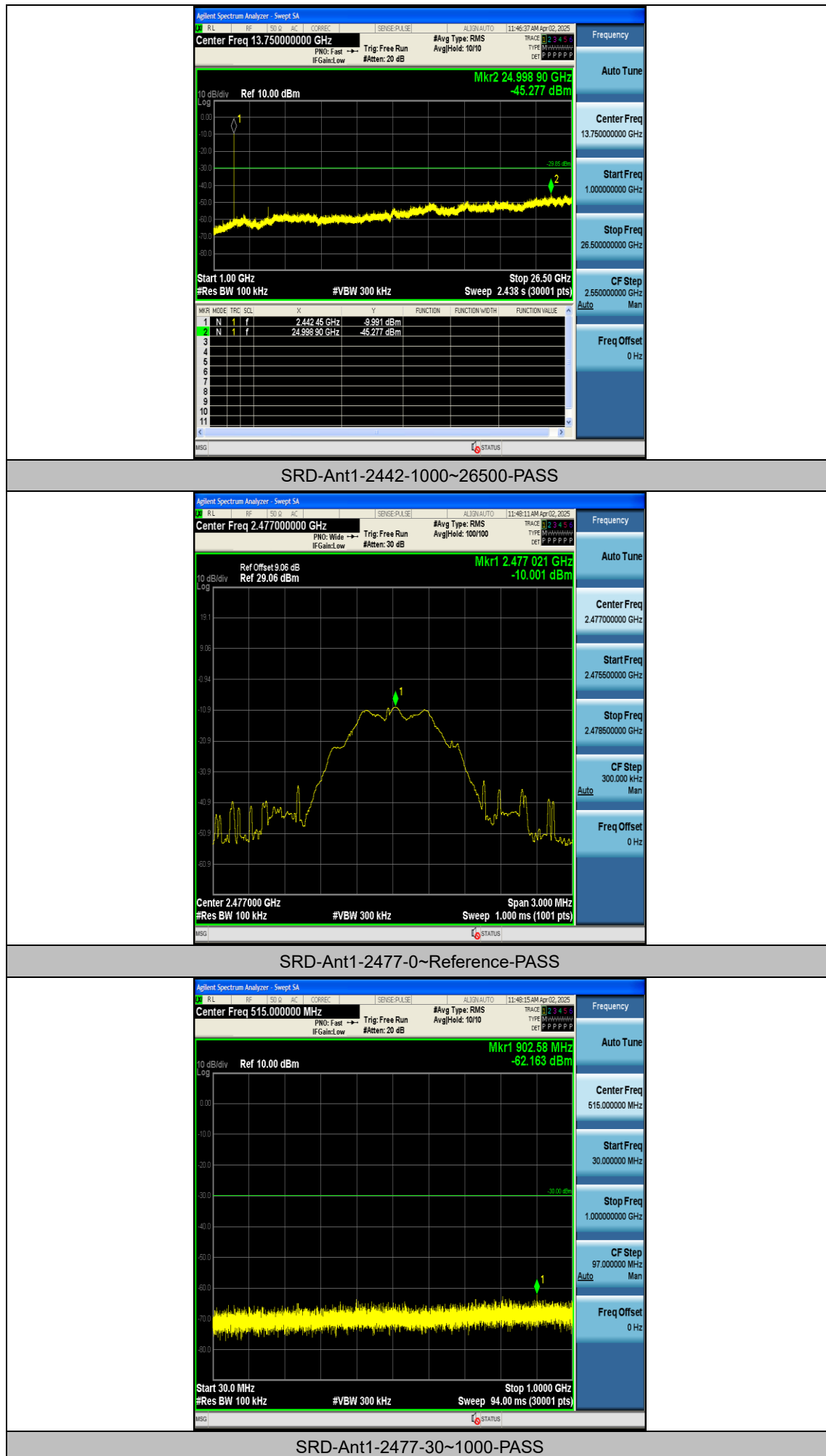
Test Result

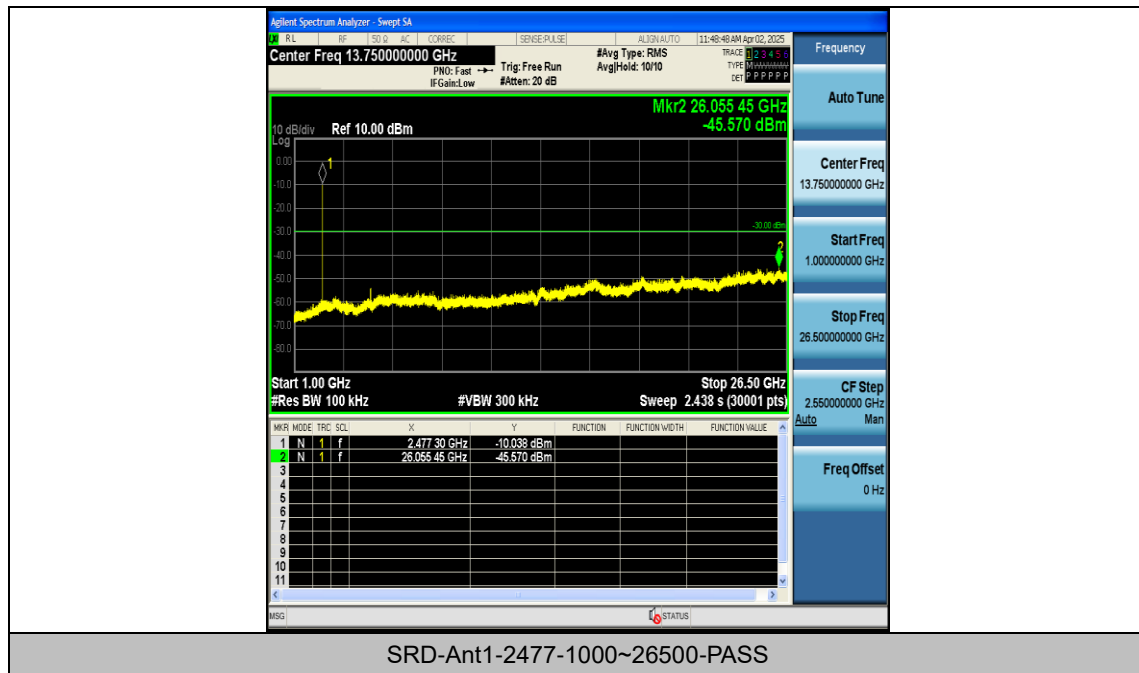
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2407	0~Reference	-9.69	-9.69	---	PASS
SRD	Ant1	2407	30~1000	-9.69	-62.69	≤-29.69	PASS
SRD	Ant1	2407	1000~26500	-9.69	-45.85	≤-29.69	PASS
SRD	Ant1	2442	0~Reference	-9.85	-9.85	---	PASS
SRD	Ant1	2442	30~1000	-9.85	-63.1	≤-29.85	PASS
SRD	Ant1	2442	1000~26500	-9.85	-45.28	≤-29.85	PASS
SRD	Ant1	2477	0~Reference	-10.00	-10.00	---	PASS
SRD	Ant1	2477	30~1000	-10.00	-62.16	≤-30	PASS
SRD	Ant1	2477	1000~26500	-10.00	-45.57	≤-30	PASS

Test Graphs









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	2.00	6.96	28.74	5.42
SRD	Ant1	2442	2.00	6.88	29.07	5.37
SRD	Ant1	2477	2.00	6.88	29.07	5.37

Test Graphs

