

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Remote Control Car

Trade Mark: /

Test Model: KF20

FCC ID: 2A3MJ-KF20

Environmental Conditions

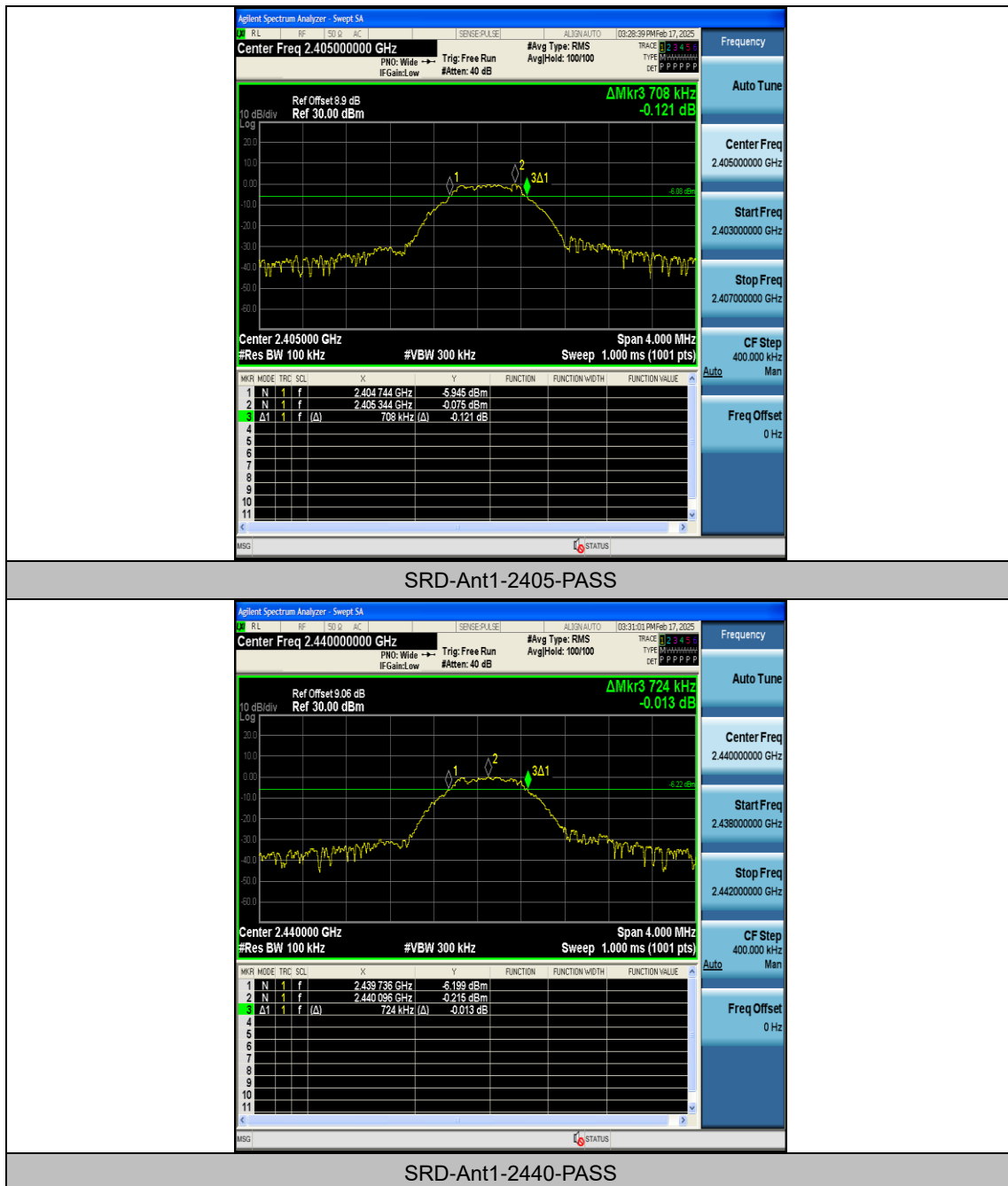
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	0.708	2404.744	2405.452	0.5	PASS
SRD	Ant1	2440	0.724	2439.736	2440.460	0.5	PASS
SRD	Ant1	2475	0.672	2474.768	2475.440	0.5	PASS

Test Graphs



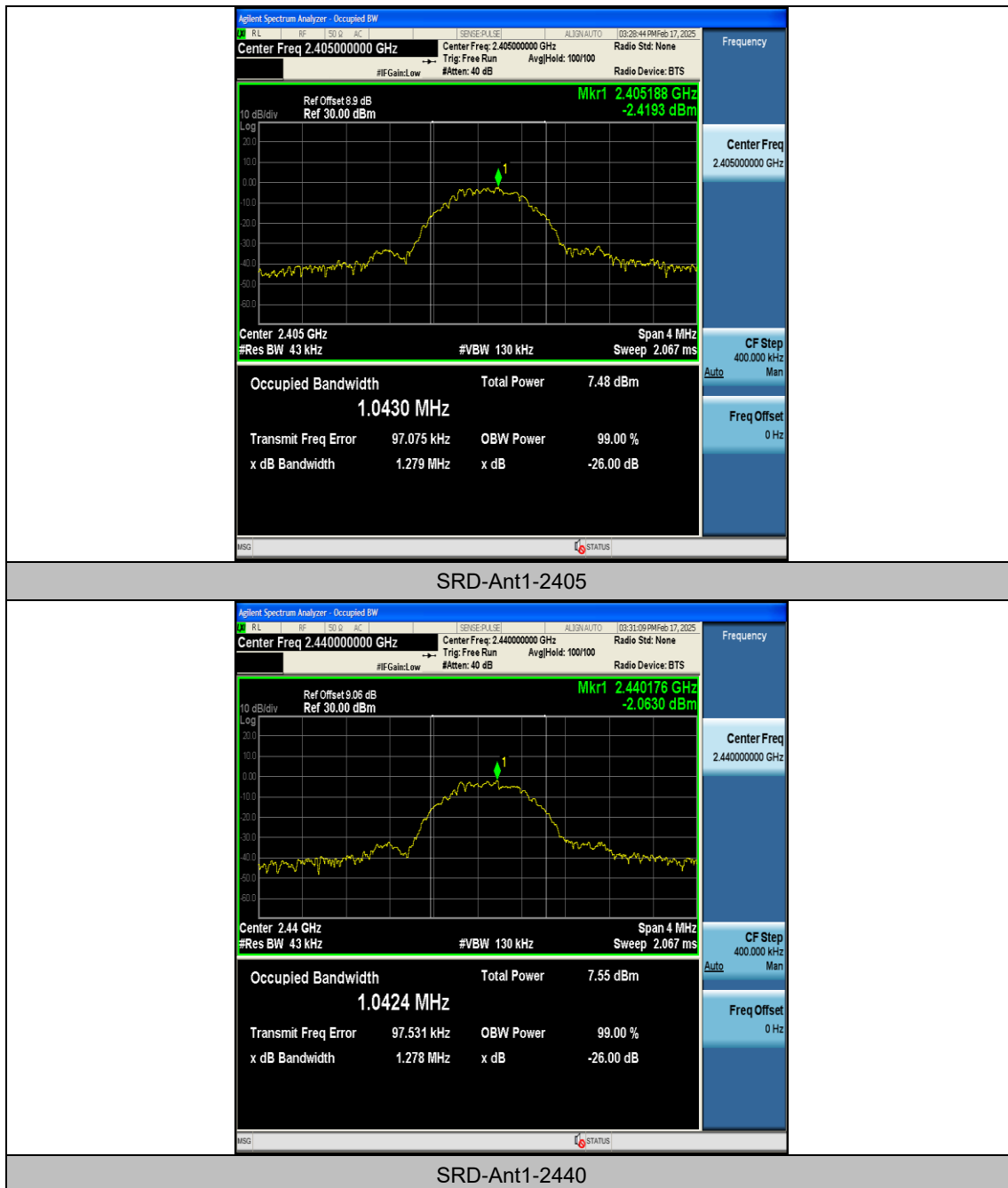


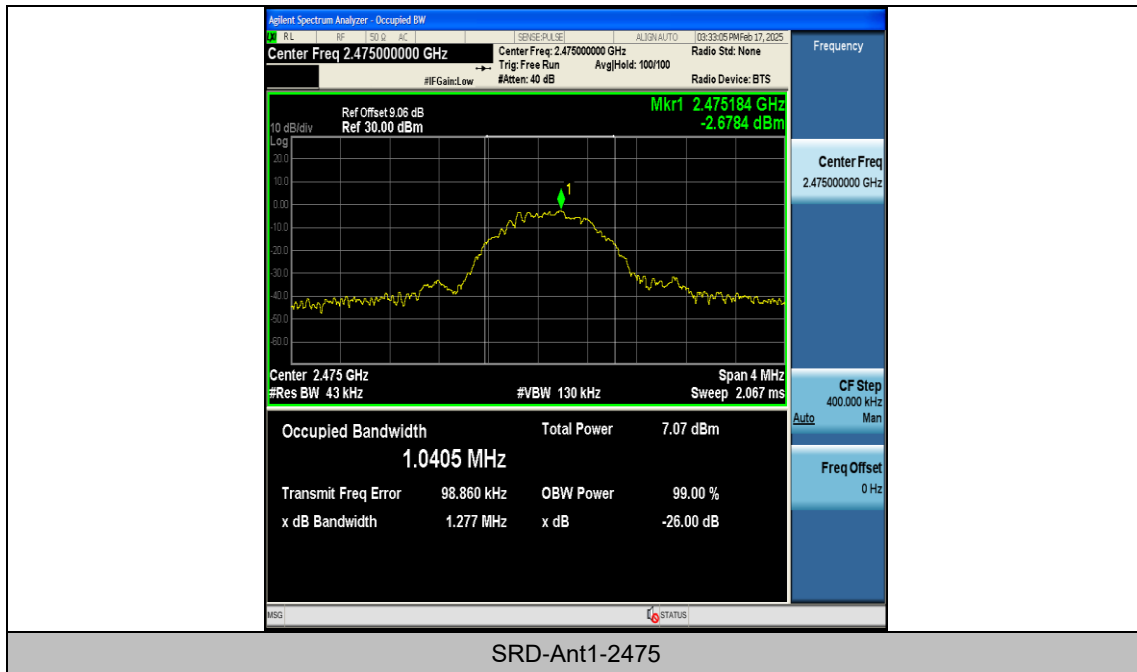
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	1.0430	2404.5756	2405.6186	---	---
SRD	Ant1	2440	1.0424	2439.5763	2440.6187	---	---
SRD	Ant1	2475	1.0405	2474.5786	2475.6191	---	---

Test Graphs



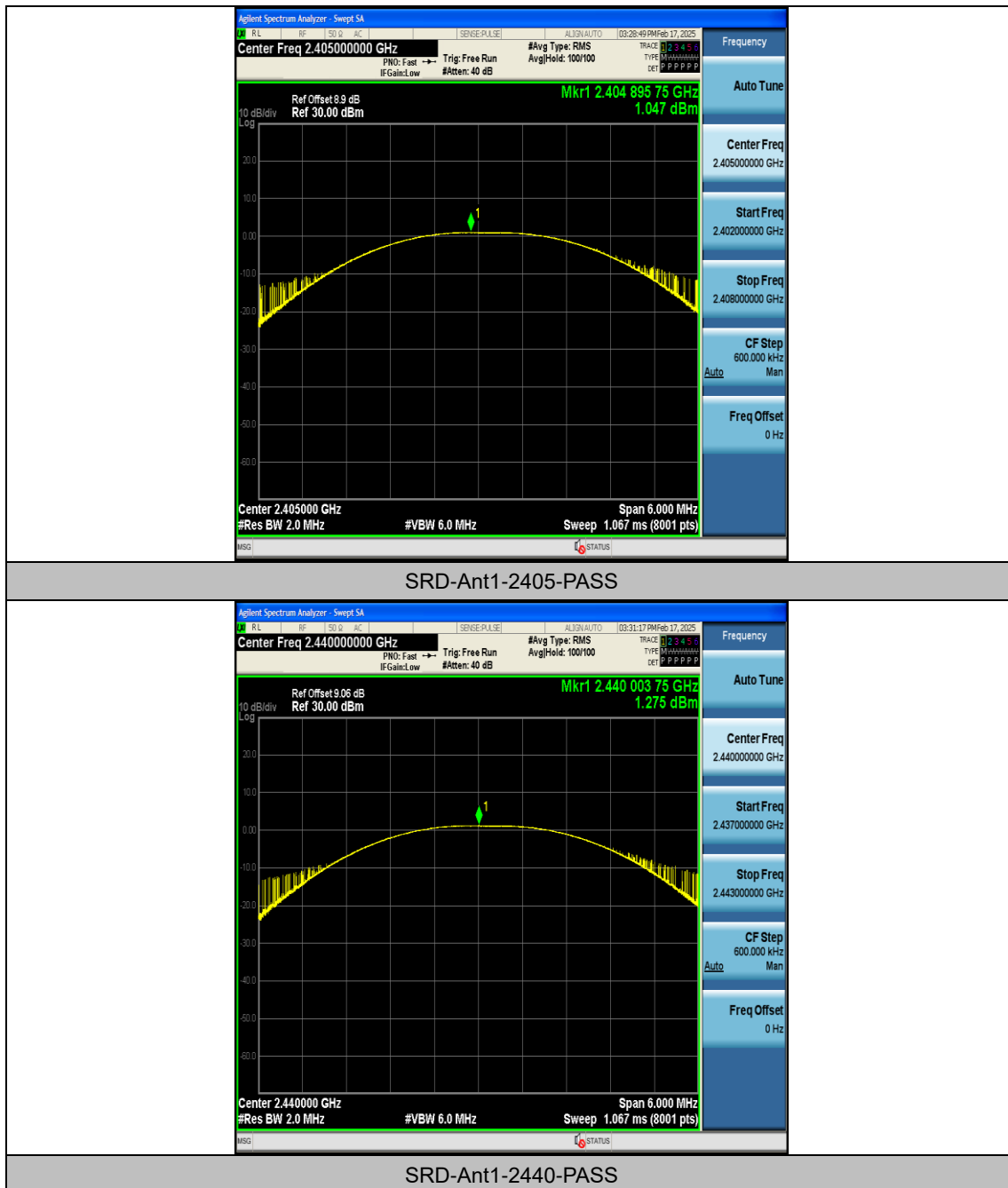


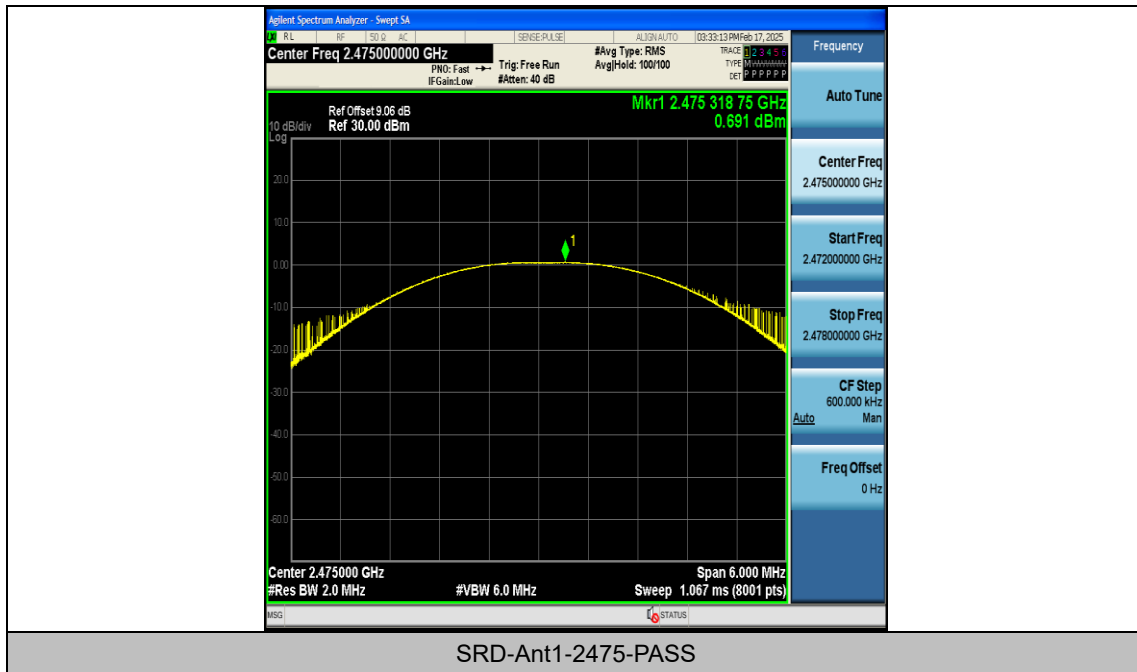
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2405	1.05	≤30	PASS
SRD	Ant1	2440	1.28	≤30	PASS
SRD	Ant1	2475	0.69	≤30	PASS

Test Graphs Peak



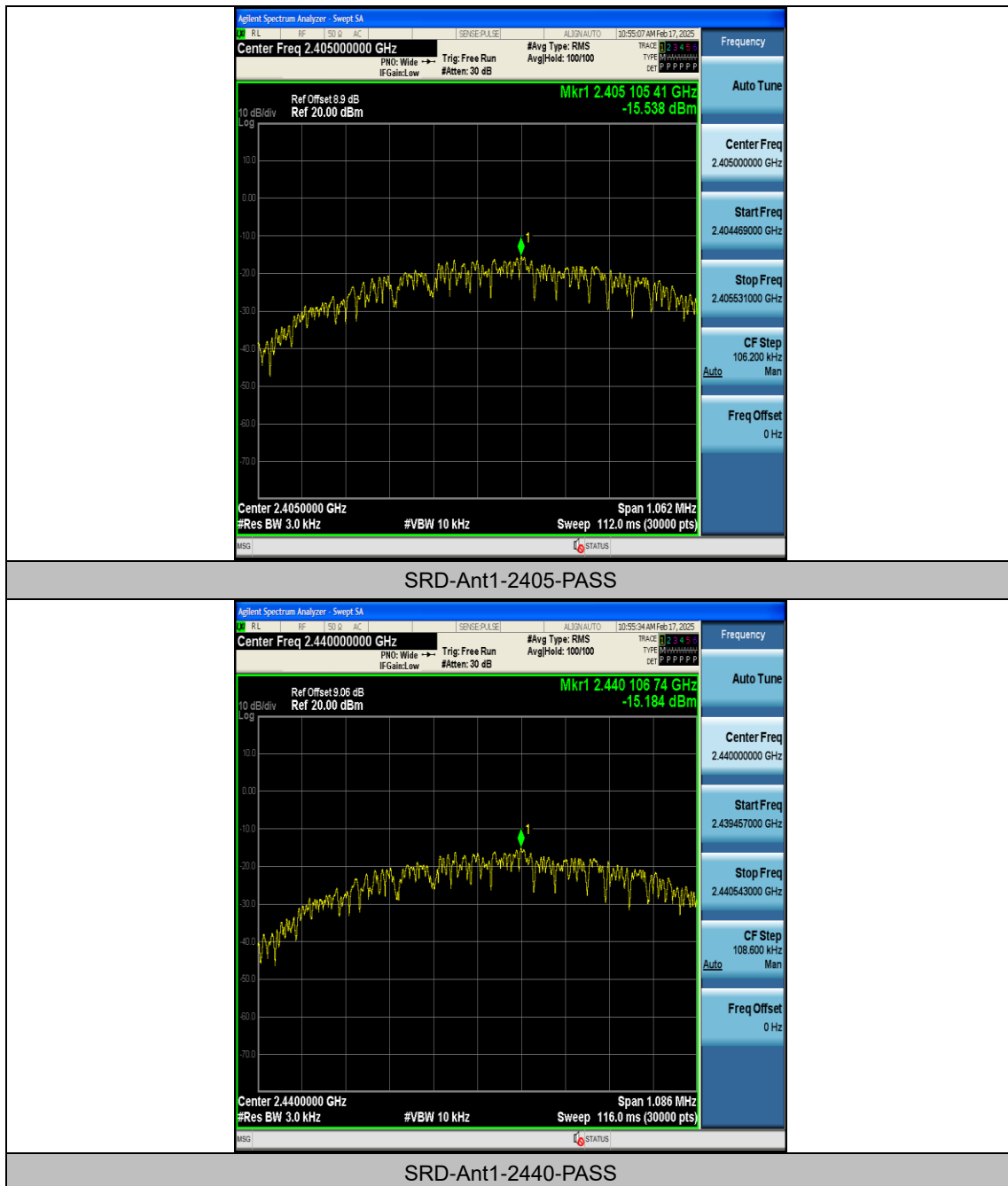


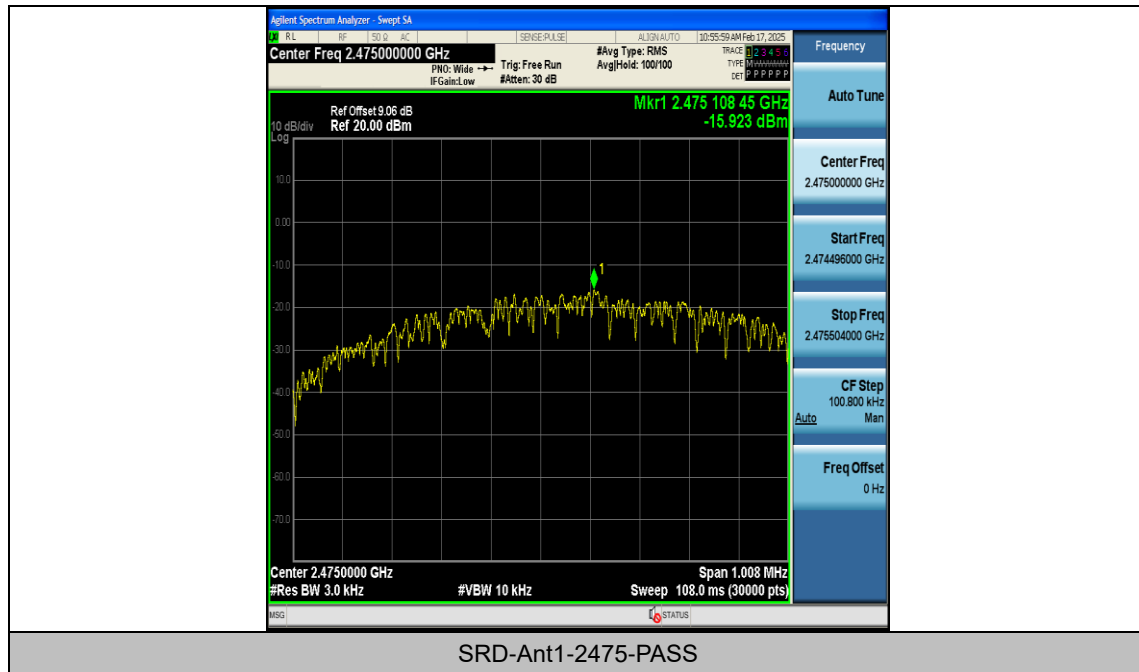
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2405	-15.54	≤8.00	PASS
SRD	Ant1	2440	-15.18	≤8.00	PASS
SRD	Ant1	2475	-15.92	≤8.00	PASS

Test Graphs



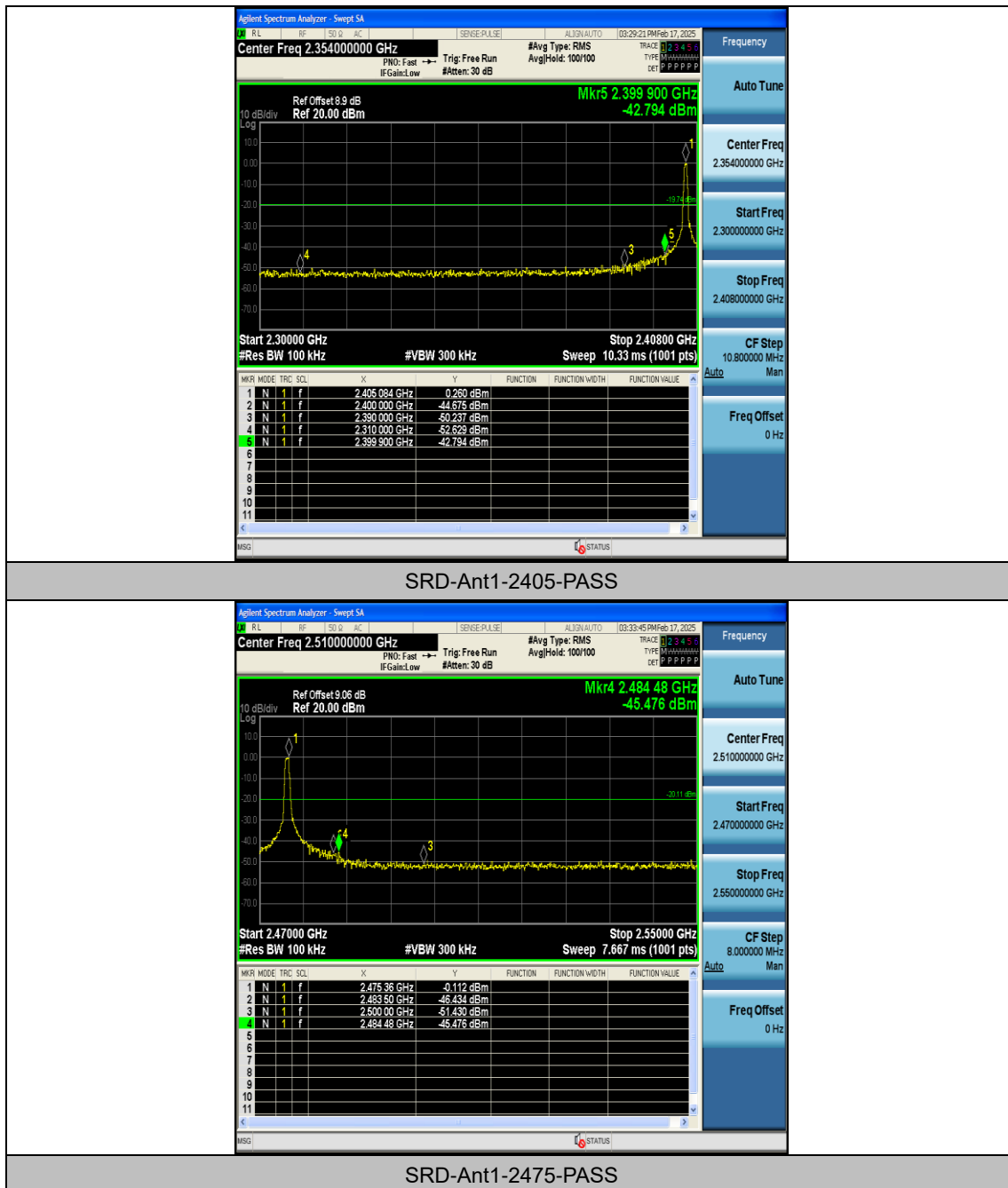


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2405	0.26	-42.79	≤ -19.74	PASS
SRD	Ant1	High	2475	-0.11	-45.48	≤ -20.11	PASS

Test Graphs

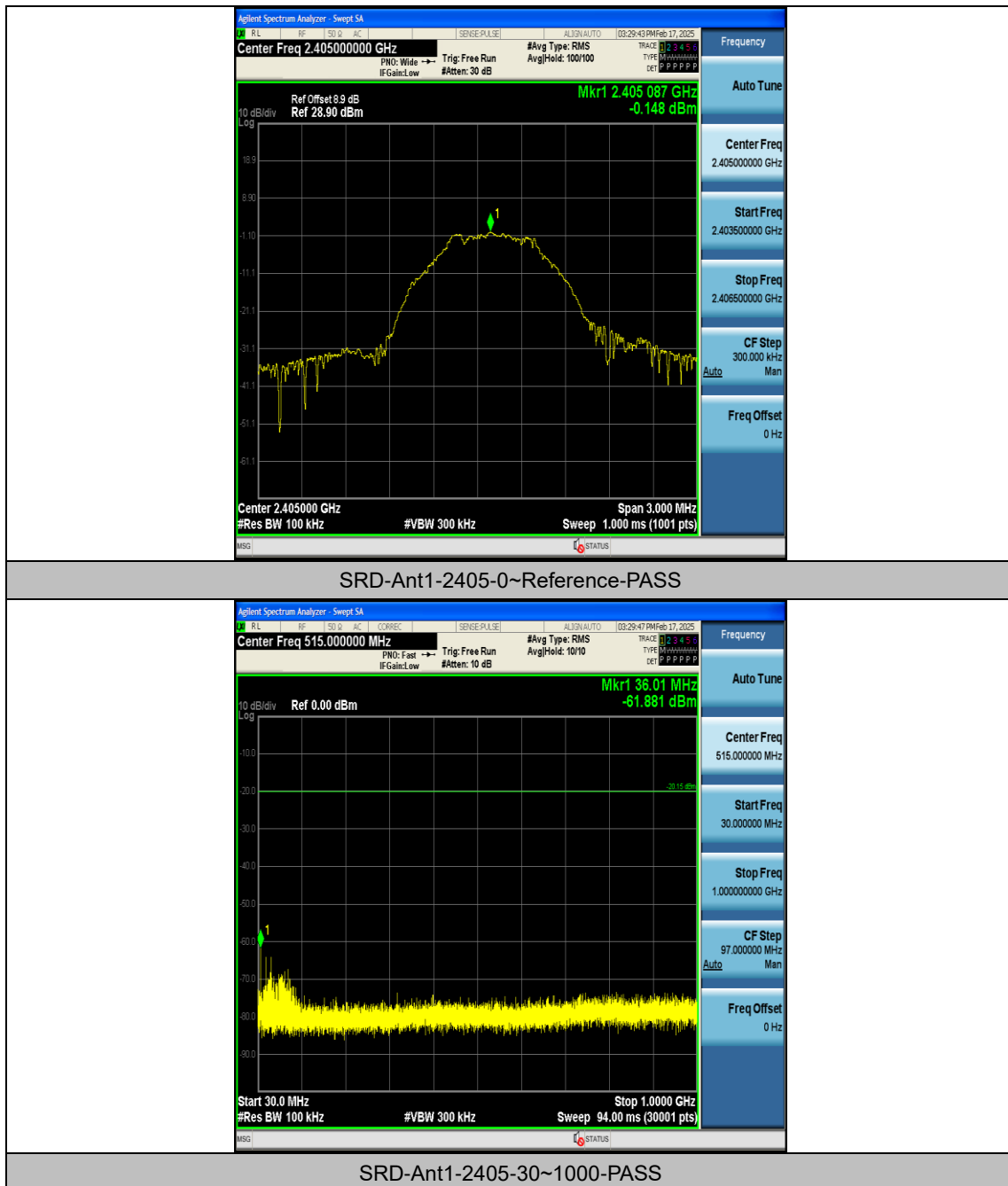


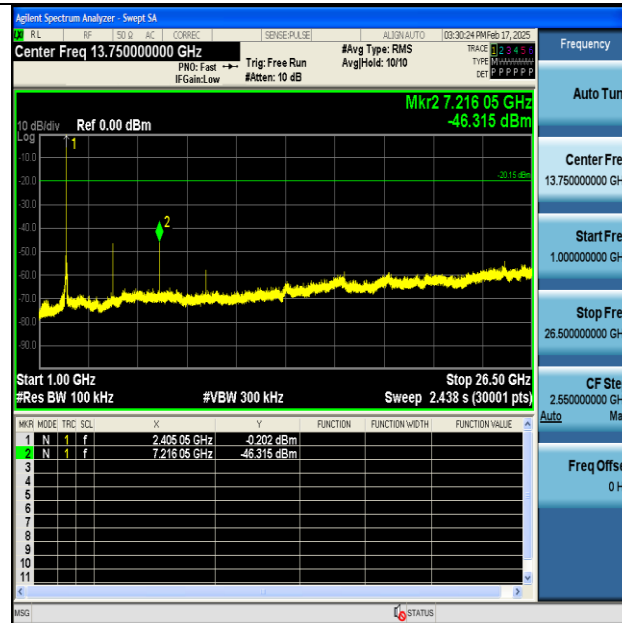
Appendix F: Conducted Spurious Emission

Test Result

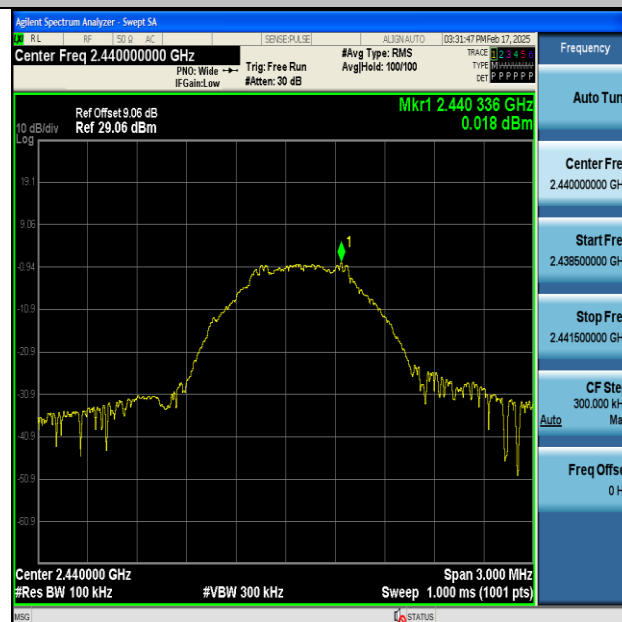
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2405	0~Reference	-0.15	-0.15	---	PASS
SRD	Ant1	2405	30~1000	-0.15	-61.88	≤-20.15	PASS
SRD	Ant1	2405	1000~26500	-0.15	-46.32	≤-20.15	PASS
SRD	Ant1	2440	0~Reference	0.02	0.02	---	PASS
SRD	Ant1	2440	30~1000	0.02	-54.17	≤-19.98	PASS
SRD	Ant1	2440	1000~26500	0.02	-45.26	≤-19.98	PASS
SRD	Ant1	2475	0~Reference	-0.47	-0.47	---	PASS
SRD	Ant1	2475	30~1000	-0.47	-56.84	≤-20.47	PASS
SRD	Ant1	2475	1000~26500	-0.47	-46.24	≤-20.47	PASS

Test Graphs

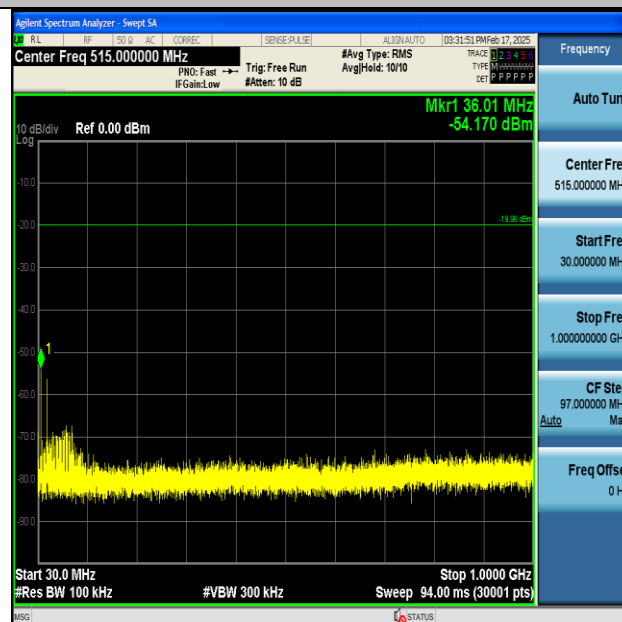




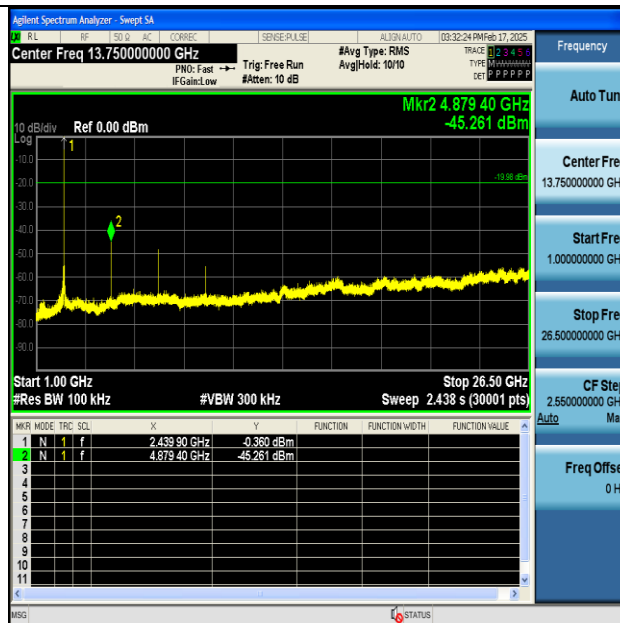
SRD-Ant1-2405-1000~26500-PASS



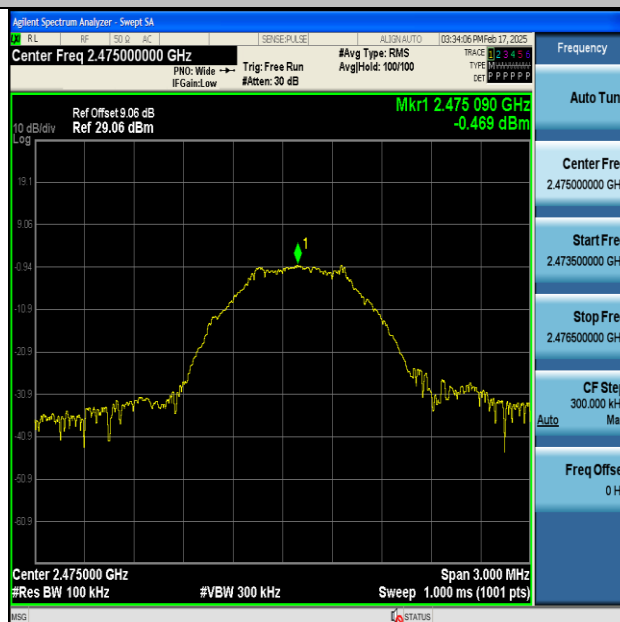
SRD-Ant1-2440-0~Reference-PASS



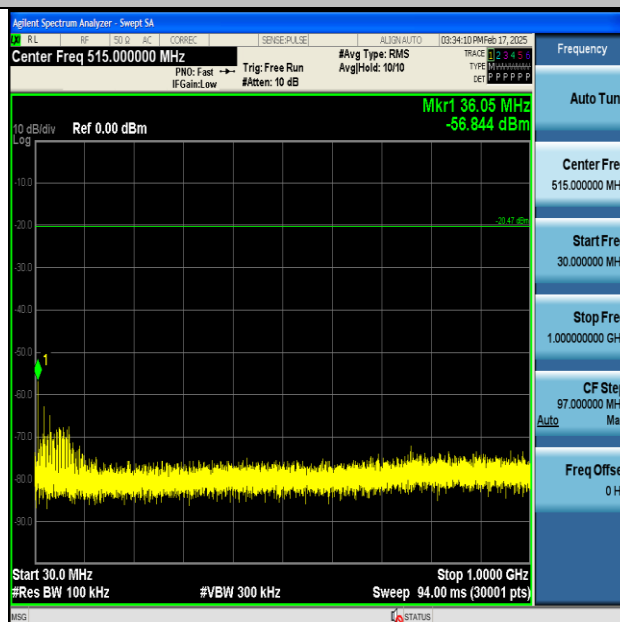
SRD-Ant1-2440-30~1000-PASS



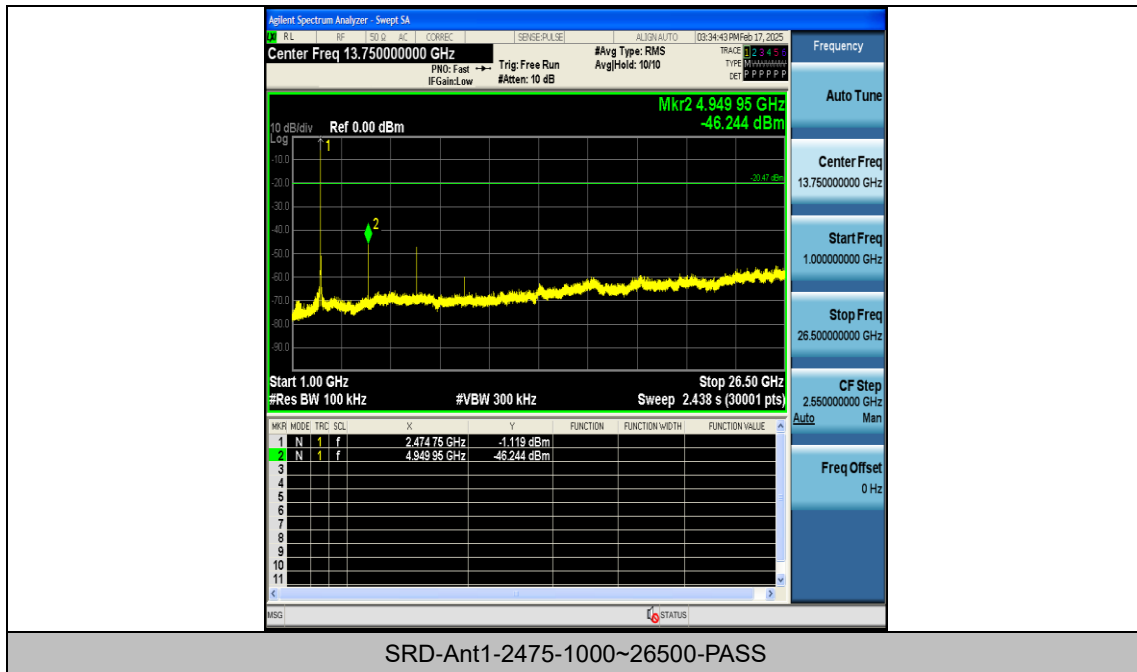
SRD-Ant1-2440-1000~26500-PASS



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	0.42	0.61	68.85	1.62
SRD	Ant1	2440	0.42	0.61	68.85	1.62
SRD	Ant1	2475	0.41	0.61	67.21	1.73

Test Graphs

