

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: Keychron

Test Model: K4 Max

FCC ID: 2BGKB-K4MAX

Environmental Conditions

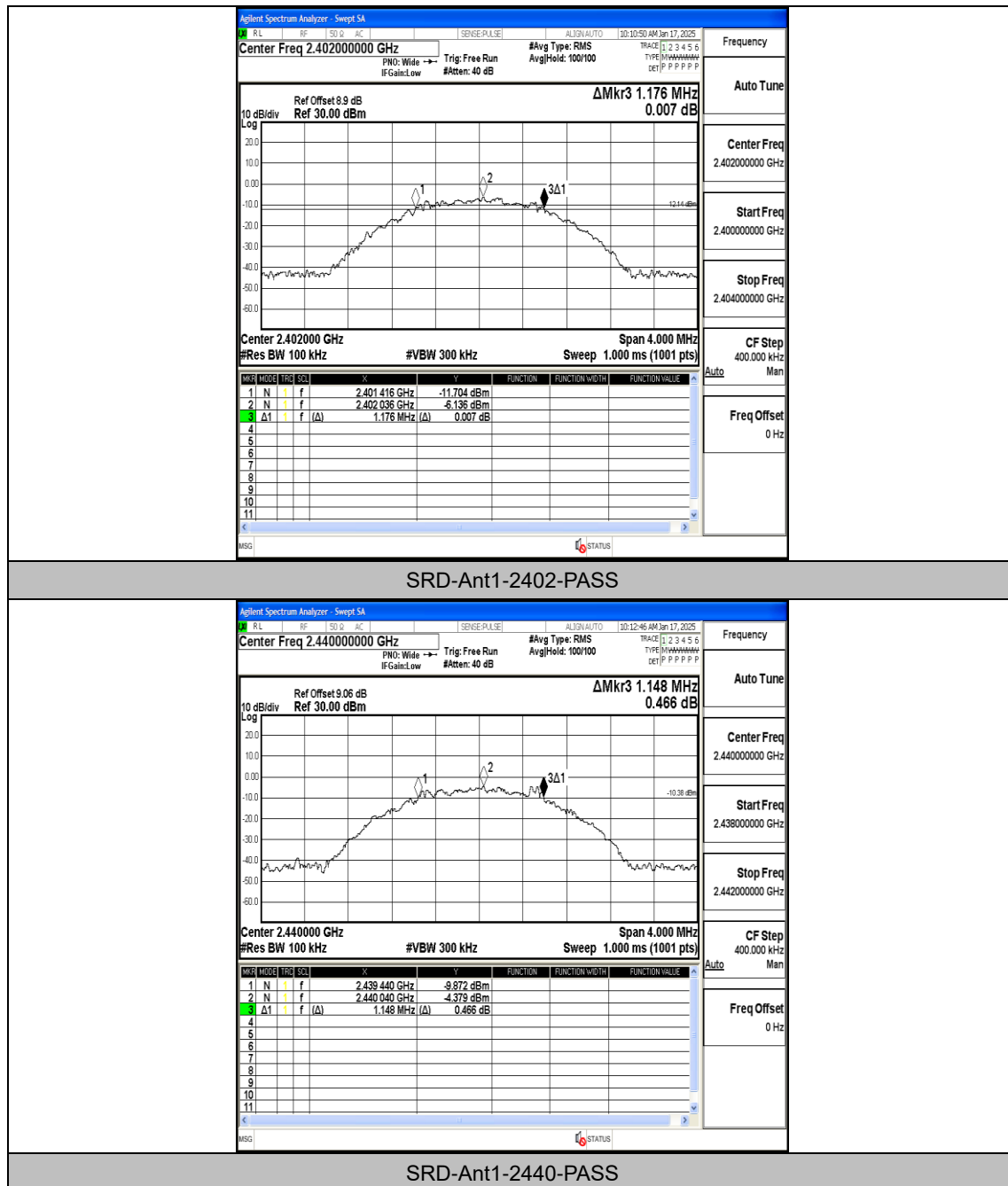
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

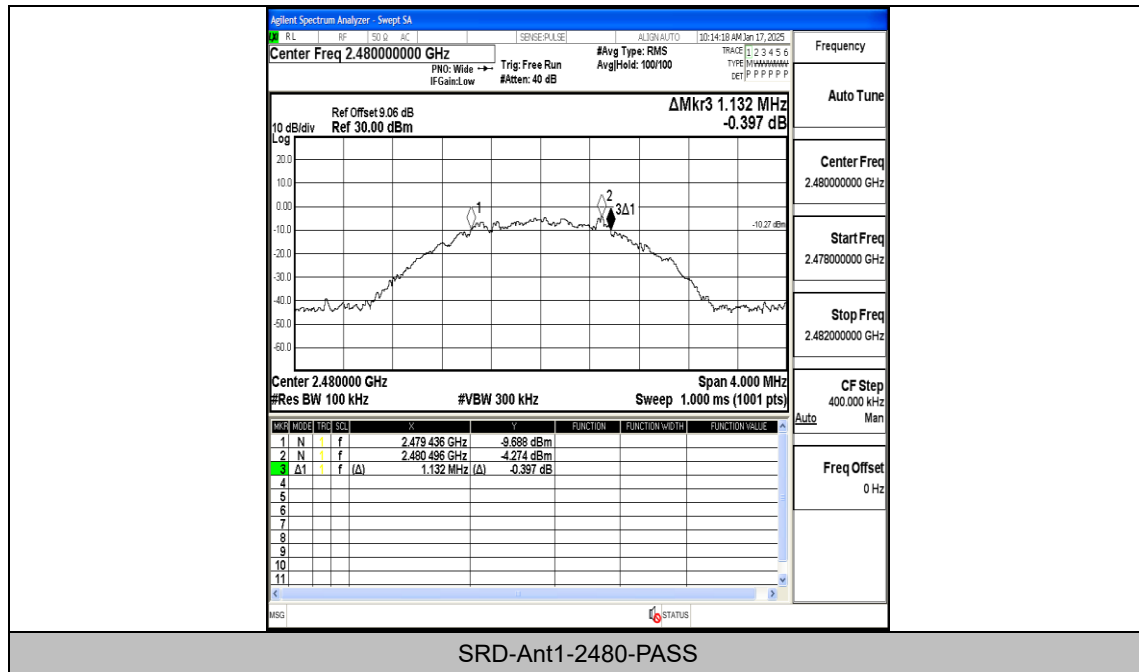
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.176	2401.416	2402.592	0.5	PASS
SRD	Ant1	2440	1.148	2439.440	2440.588	0.5	PASS
SRD	Ant1	2480	1.132	2479.436	2480.568	0.5	PASS

Test Graphs



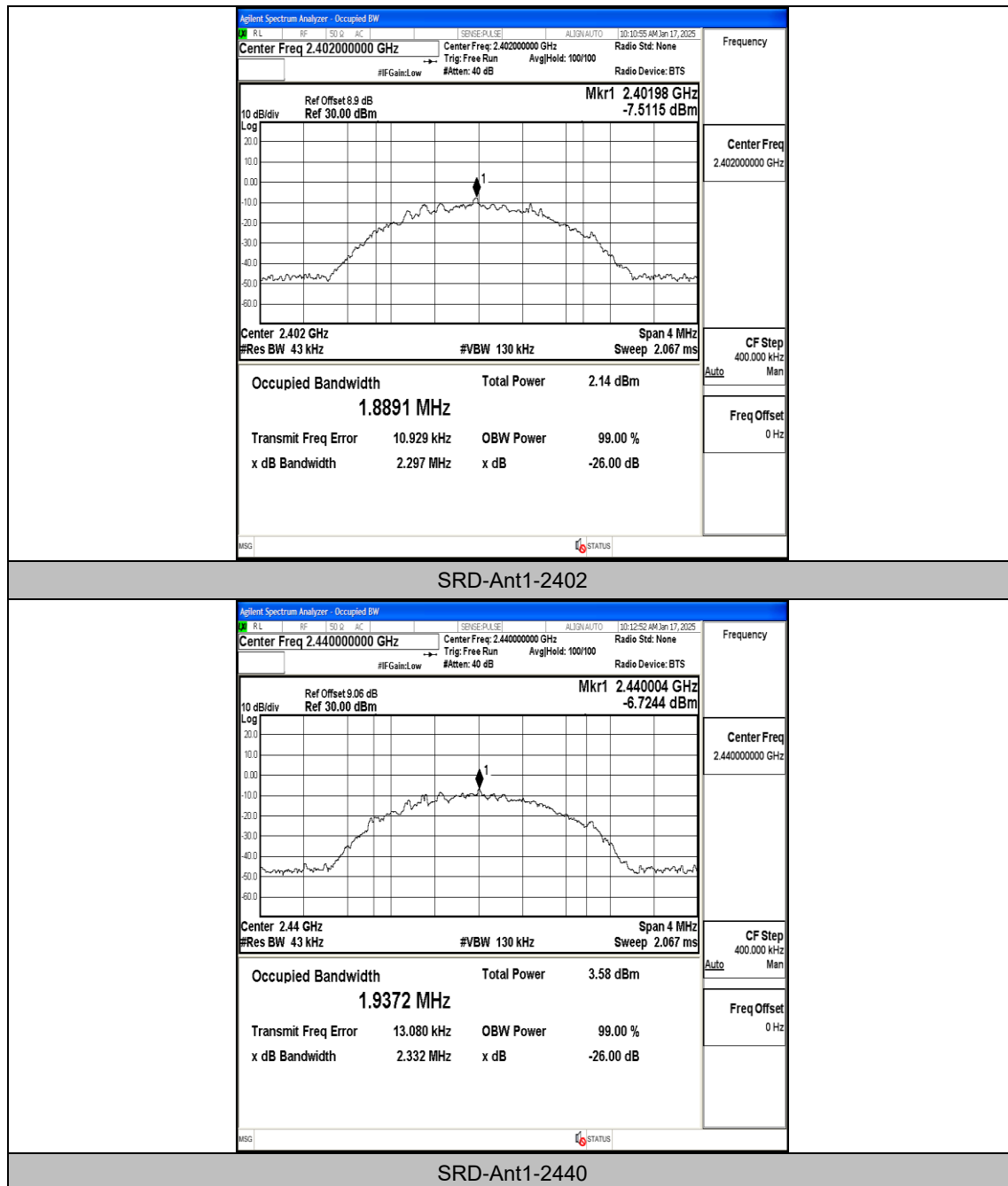


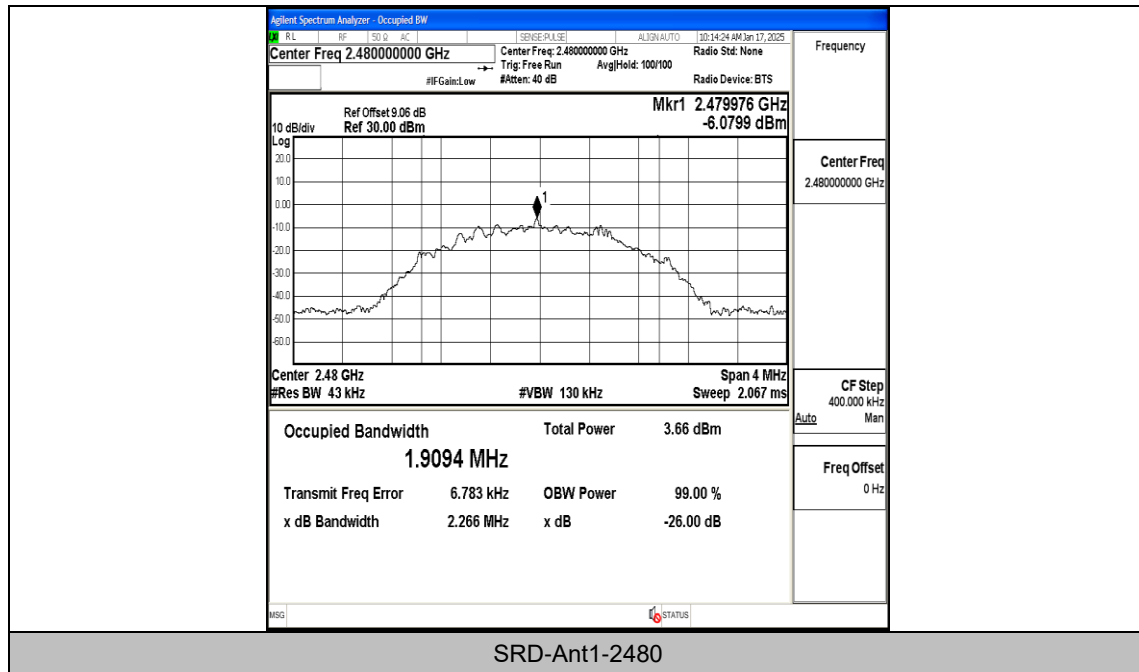
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.8891	2401.0664	2402.9555	---	---
SRD	Ant1	2440	1.9372	2439.0445	2440.9817	---	---
SRD	Ant1	2480	1.9094	2479.0521	2480.9615	---	---

Test Graphs



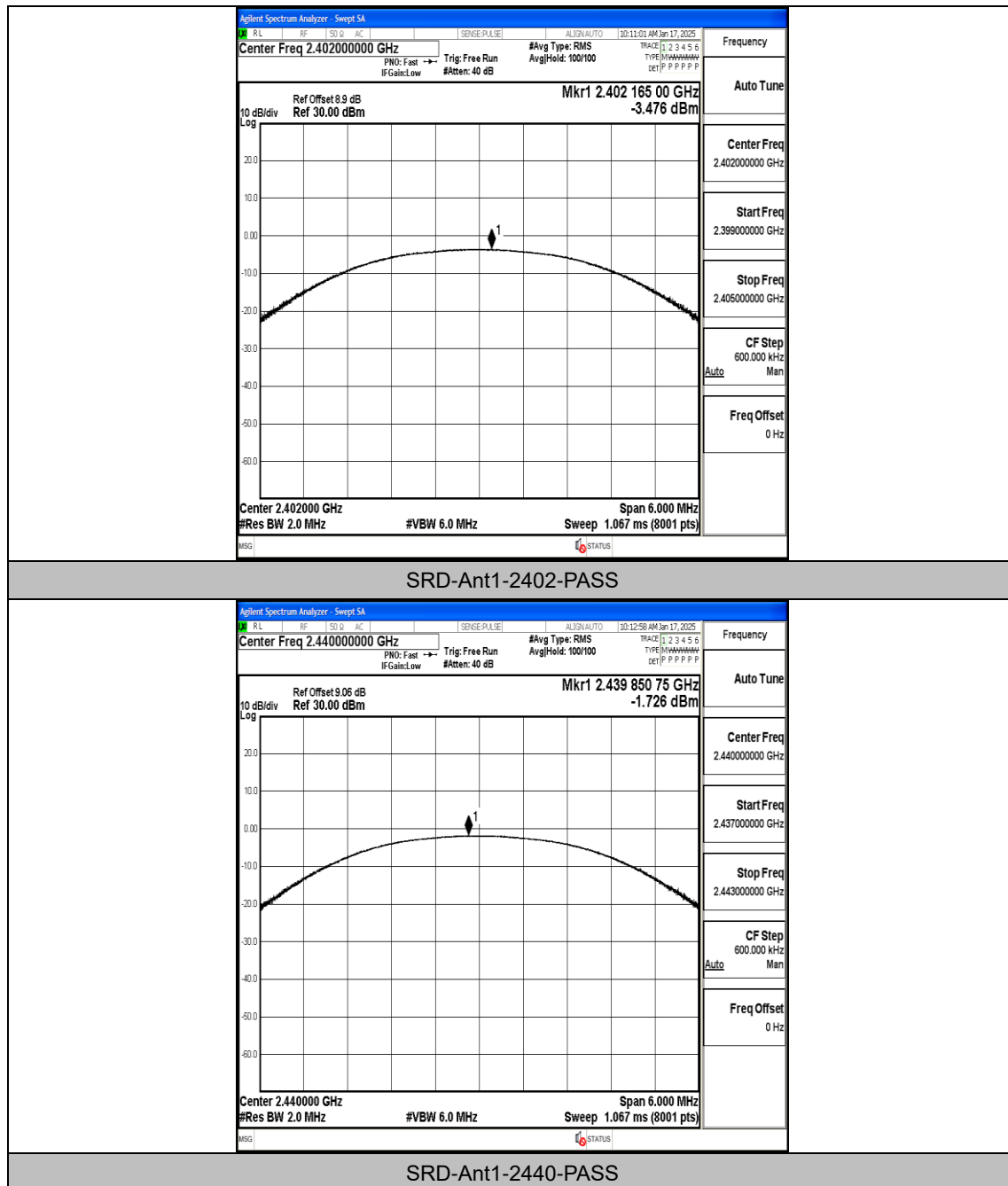


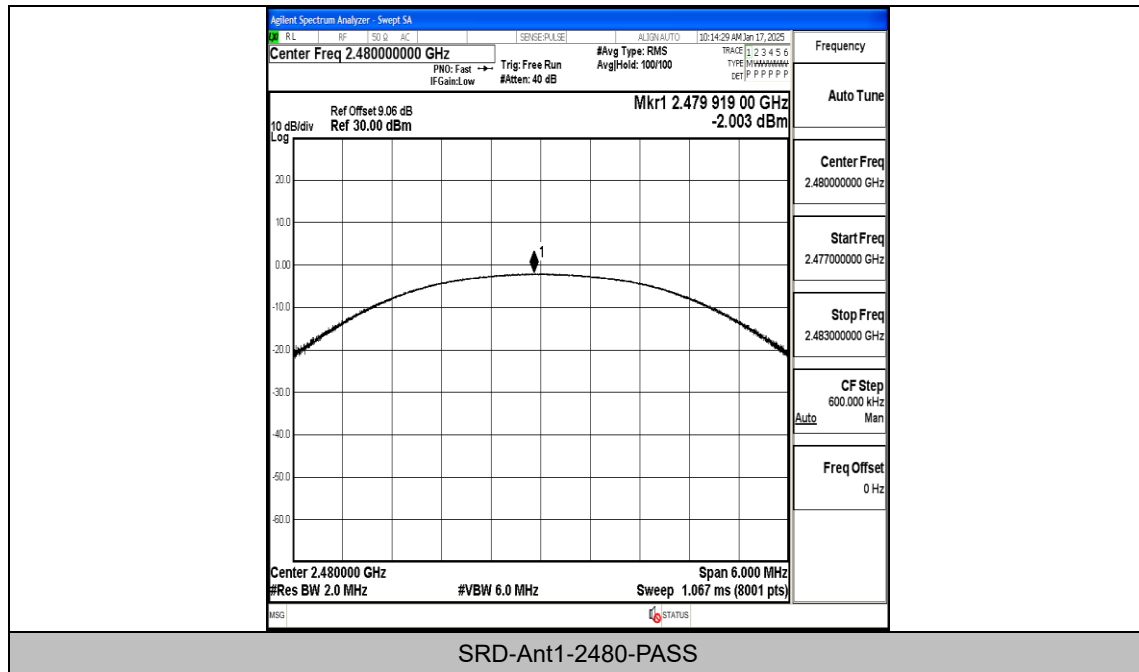
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2402	-3.48	≤30	PASS
SRD	Ant1	2440	-1.73	≤30	PASS
SRD	Ant1	2480	-2.00	≤30	PASS

Test Graphs Peak



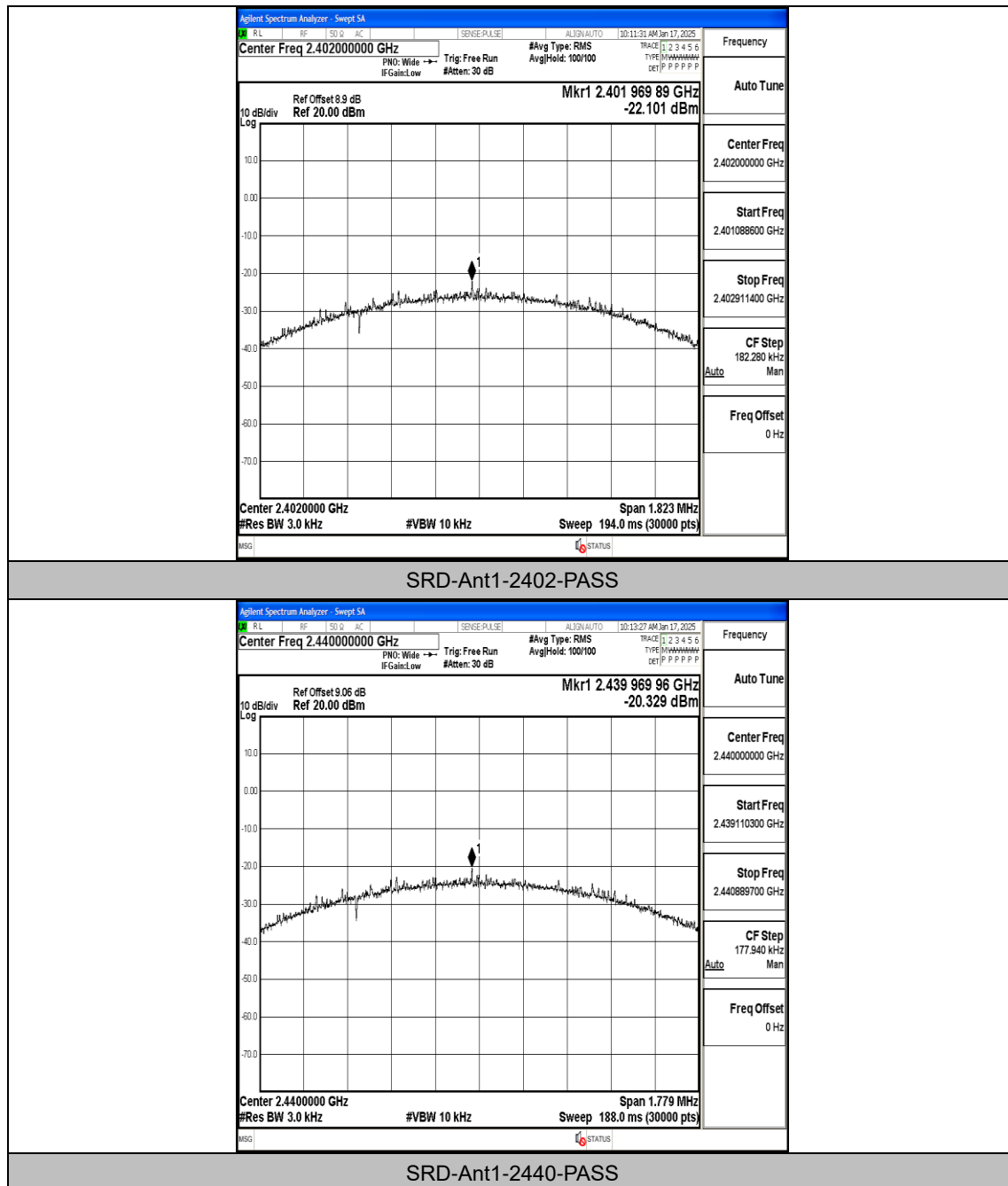


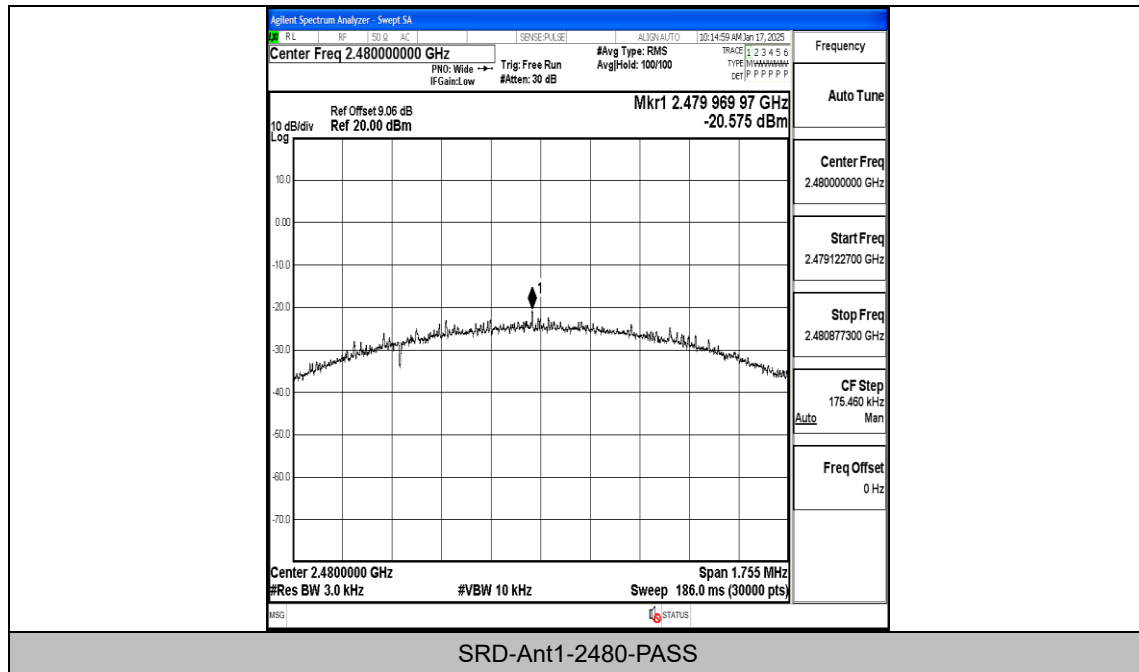
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2402	-22.10	≤8.00	PASS
SRD	Ant1	2440	-20.33	≤8.00	PASS
SRD	Ant1	2480	-20.58	≤8.00	PASS

Test Graphs



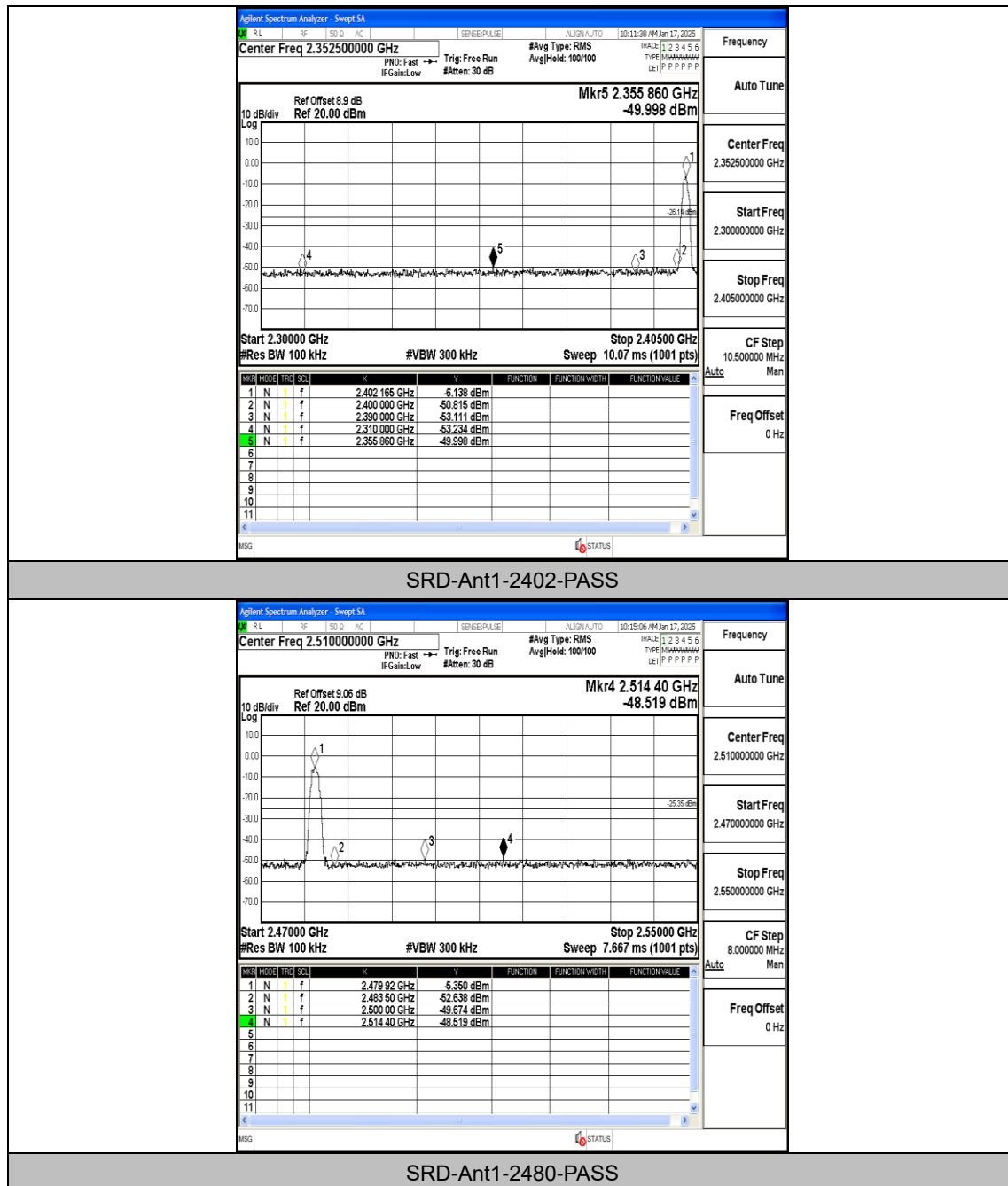


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2402	-6.14	-50	≤ -26.14	PASS
SRD	Ant1	High	2480	-5.35	-48.52	≤ -25.35	PASS

Test Graphs

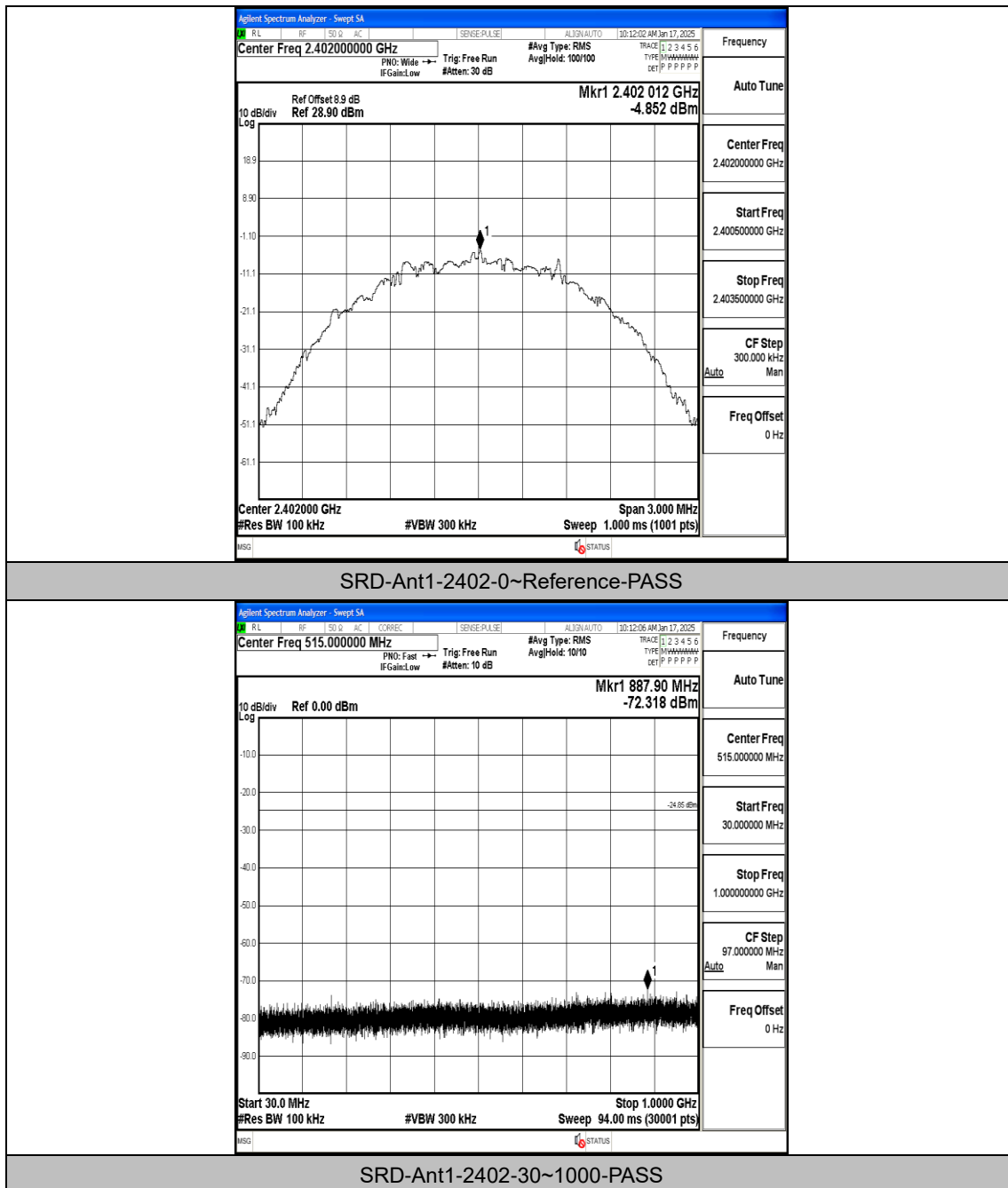


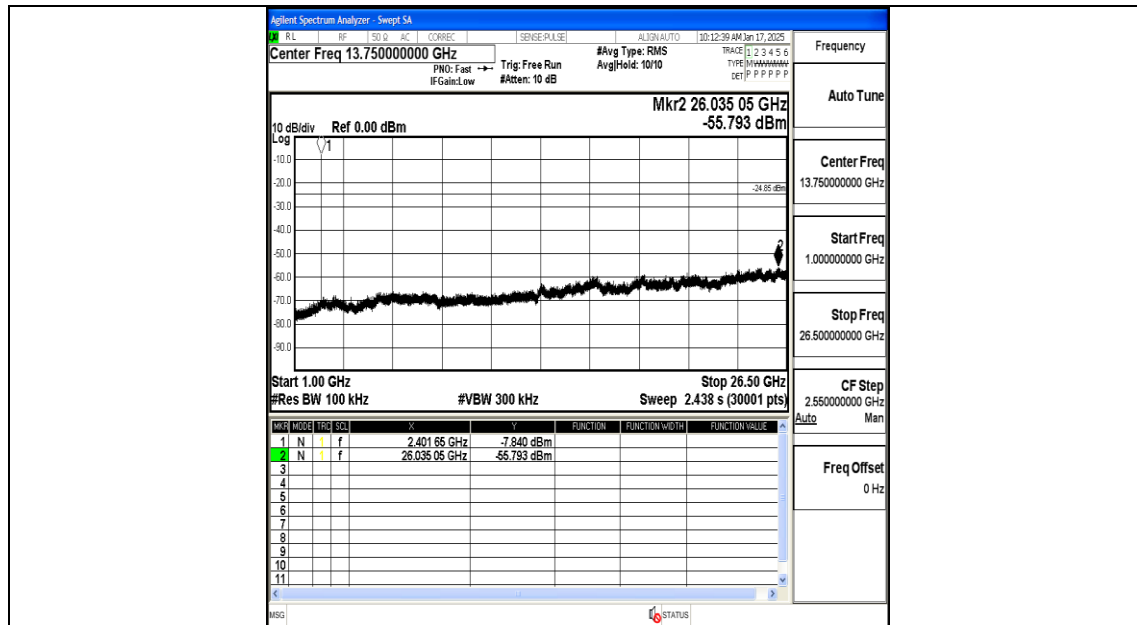
Appendix F: Conducted Spurious Emission

Test Result

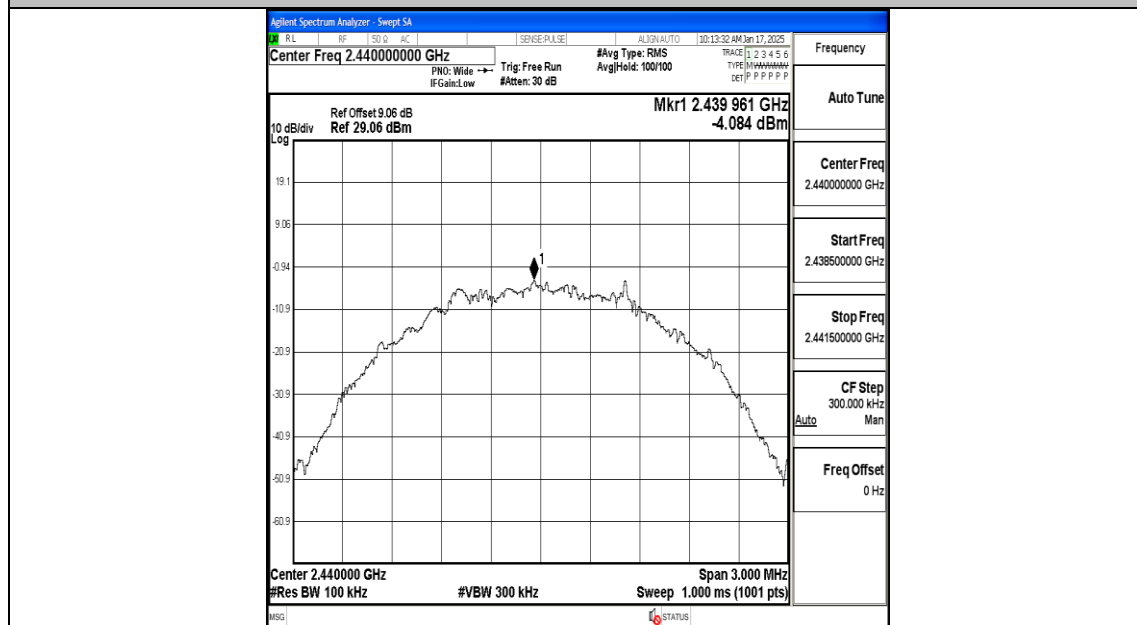
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2402	0~Reference	-4.85	-4.85	---	PASS
SRD	Ant1	2402	30~1000	-4.85	-72.32	≤-24.85	PASS
SRD	Ant1	2402	1000~26500	-4.85	-55.79	≤-24.85	PASS
SRD	Ant1	2440	0~Reference	-4.08	-4.08	---	PASS
SRD	Ant1	2440	30~1000	-4.08	-73.07	≤-24.08	PASS
SRD	Ant1	2440	1000~26500	-4.08	-46.56	≤-24.08	PASS
SRD	Ant1	2480	0~Reference	-3.03	-3.03	---	PASS
SRD	Ant1	2480	30~1000	-3.03	-73.08	≤-23.03	PASS
SRD	Ant1	2480	1000~26500	-3.03	-55.35	≤-23.03	PASS

Test Graphs

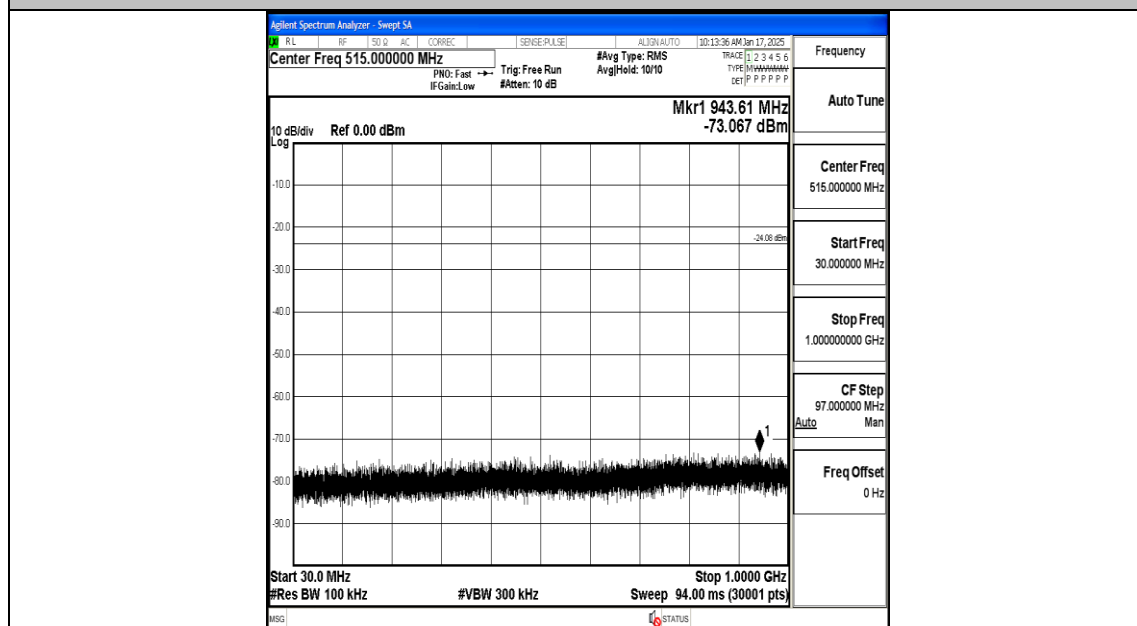




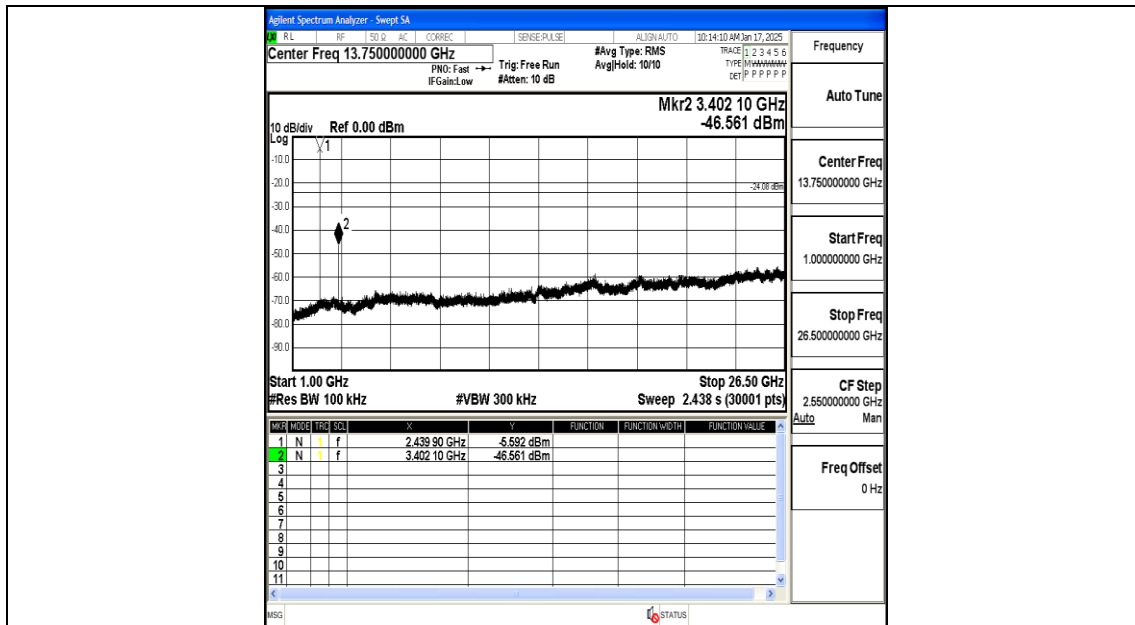
SRD-Ant1-2402-1000~26500-PASS



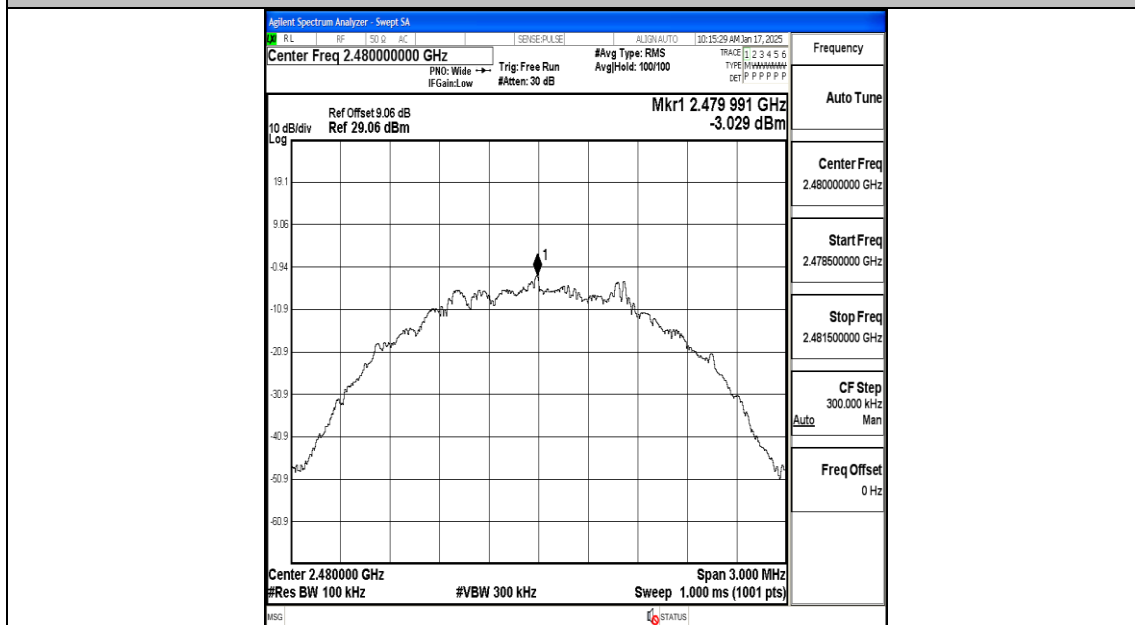
SRD-Ant1-2440-0~Reference-PASS



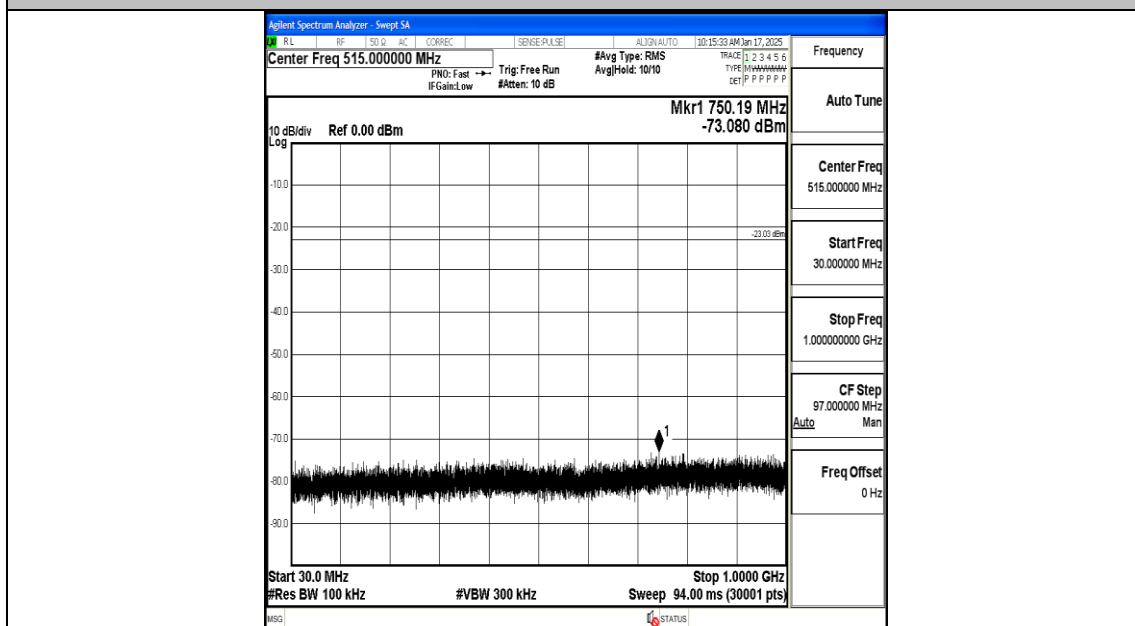
SRD-Ant1-2440-30~1000-PASS



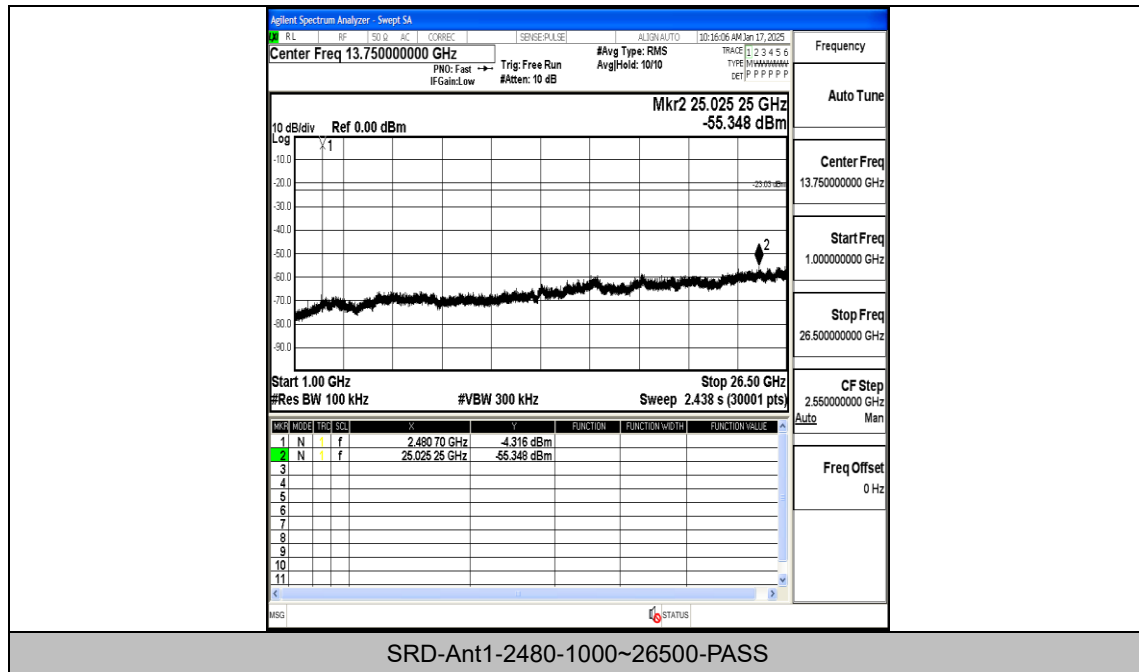
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2480-0~Reference-PASS



SRD-Ant1-2480-30~1000-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	2402	10.00	10.00	100.00	0.00
SRD	Ant1	2440	10.00	10.00	100.00	0.00
SRD	Ant1	2480	10.00	10.00	100.00	0.00

Test Graphs

