

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: Keychron

Test Model: K1

FCC ID: 2BGKB-K1

Environmental Conditions

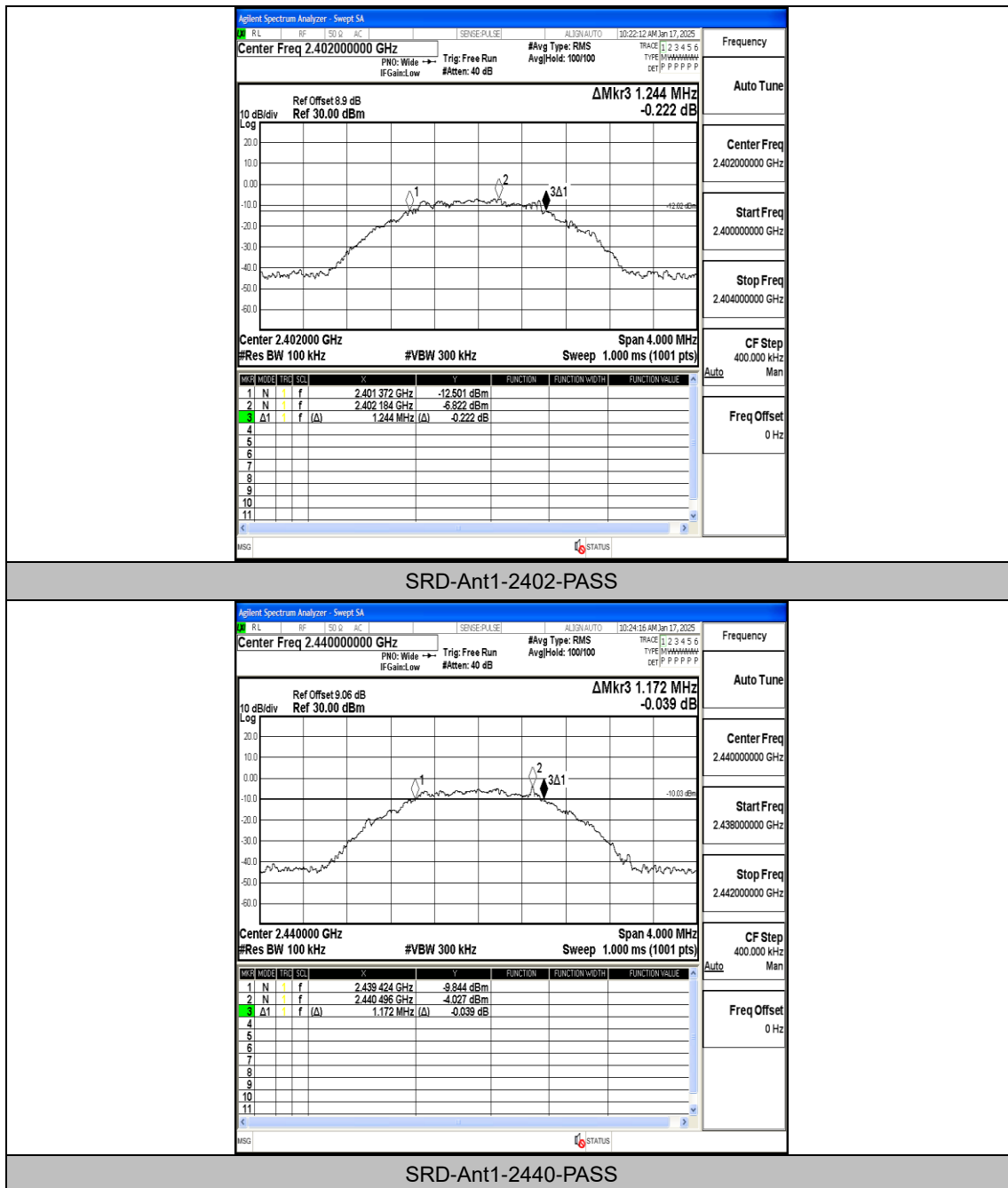
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

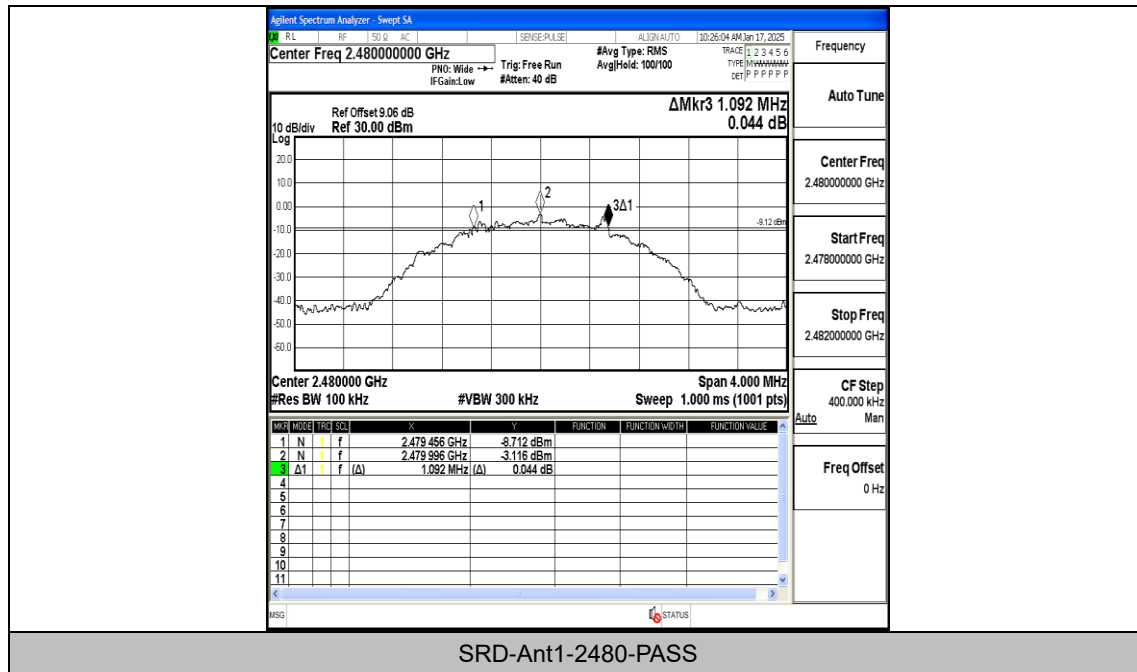
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.244	2401.372	2402.616	0.5	PASS
SRD	Ant1	2440	1.172	2439.424	2440.596	0.5	PASS
SRD	Ant1	2480	1.092	2479.456	2480.548	0.5	PASS

Test Graphs



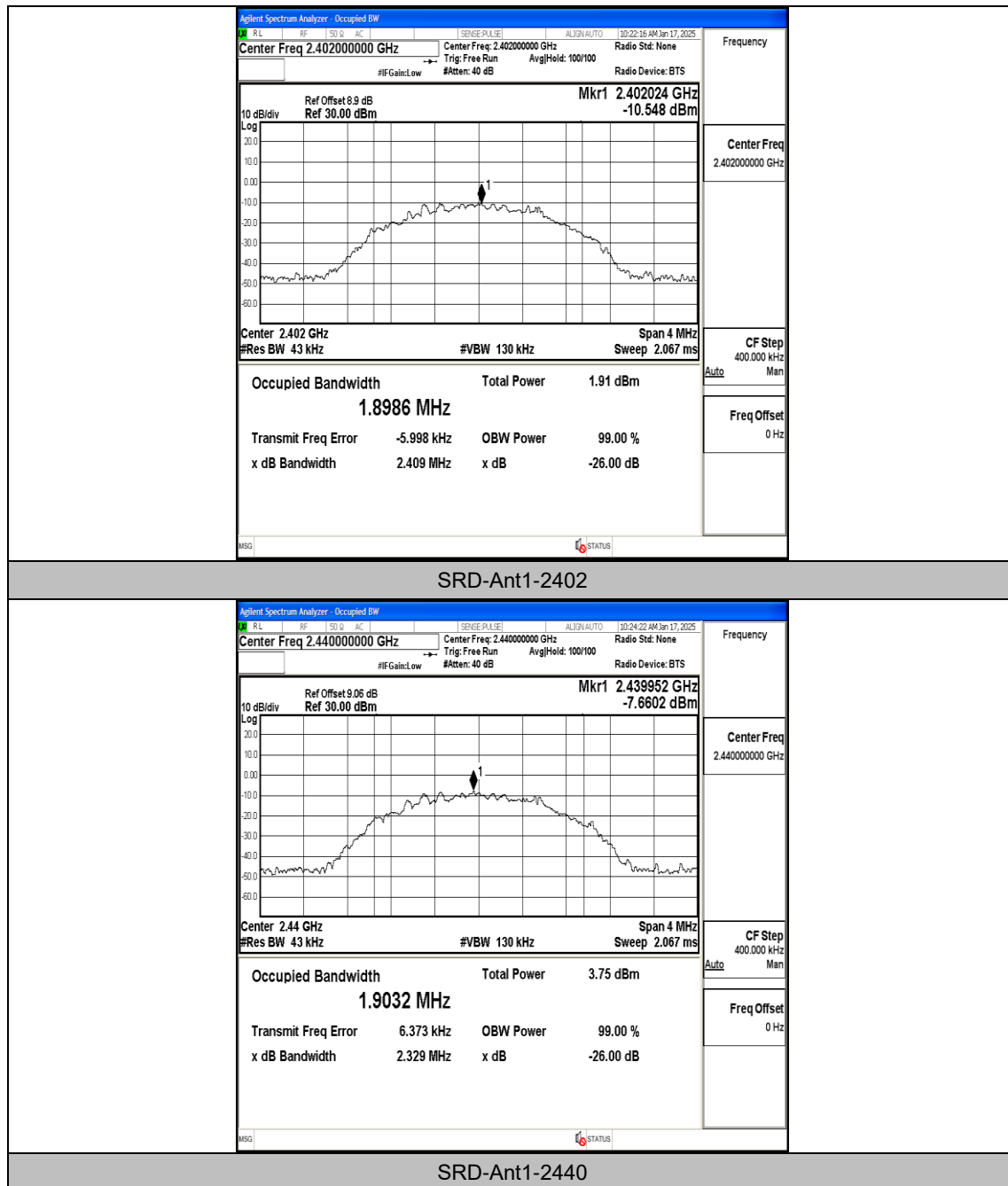


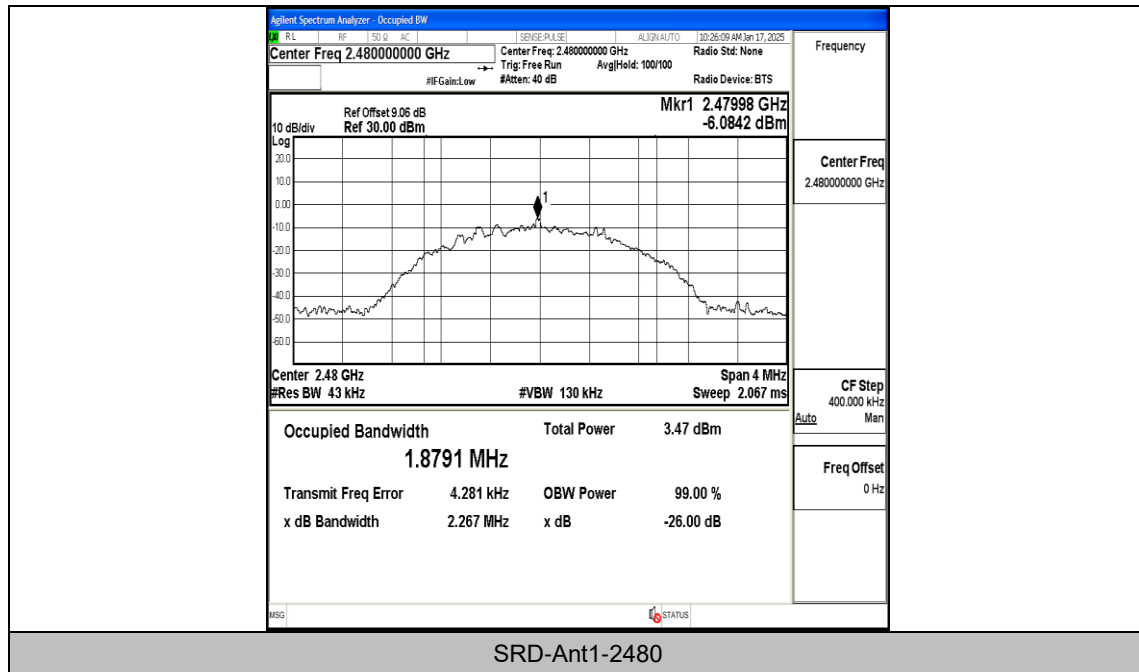
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.8986	2401.0447	2402.9433	---	---
SRD	Ant1	2440	1.9032	2439.0548	2440.9580	---	---
SRD	Ant1	2480	1.8791	2479.0647	2480.9438	---	---

Test Graphs



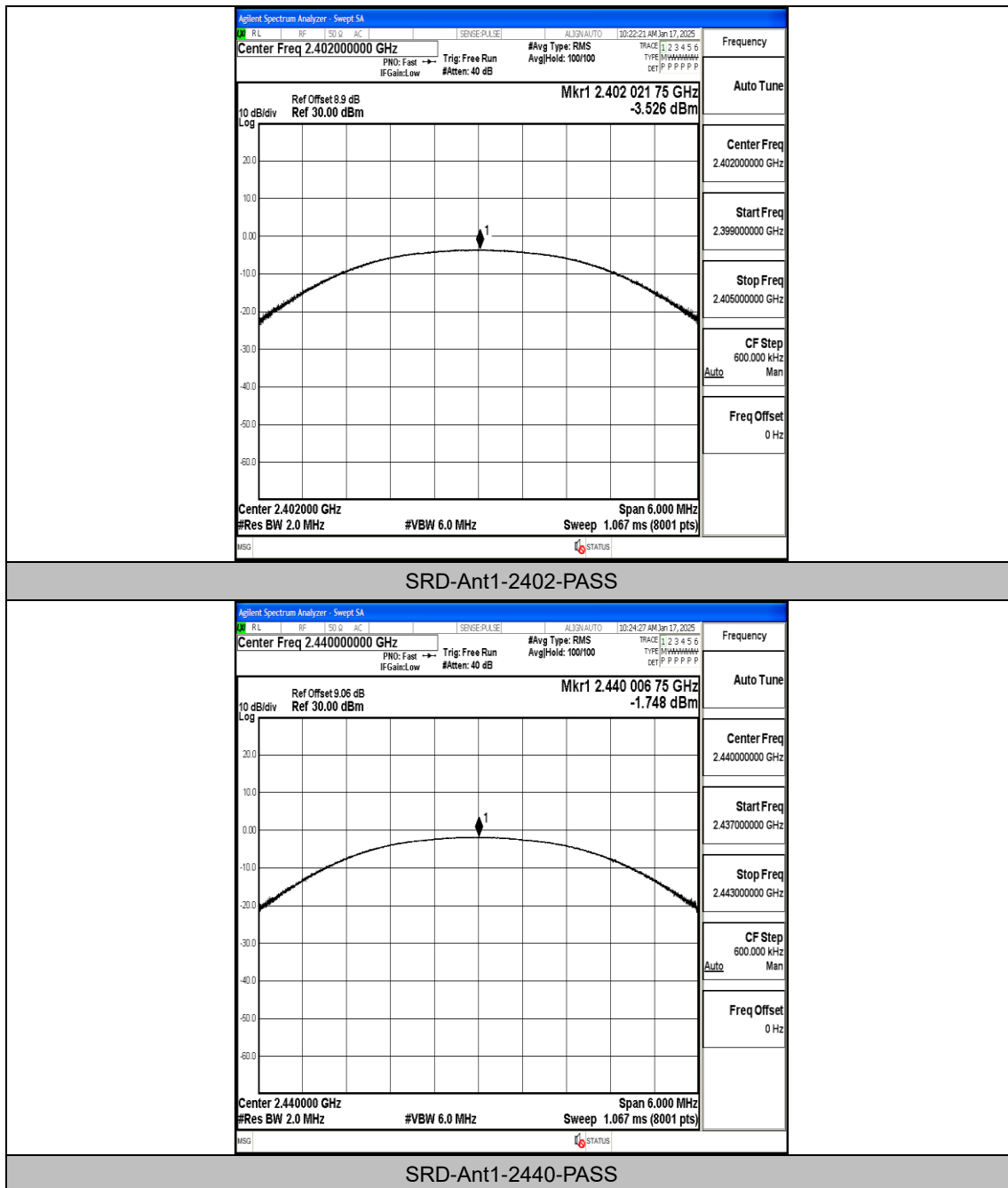


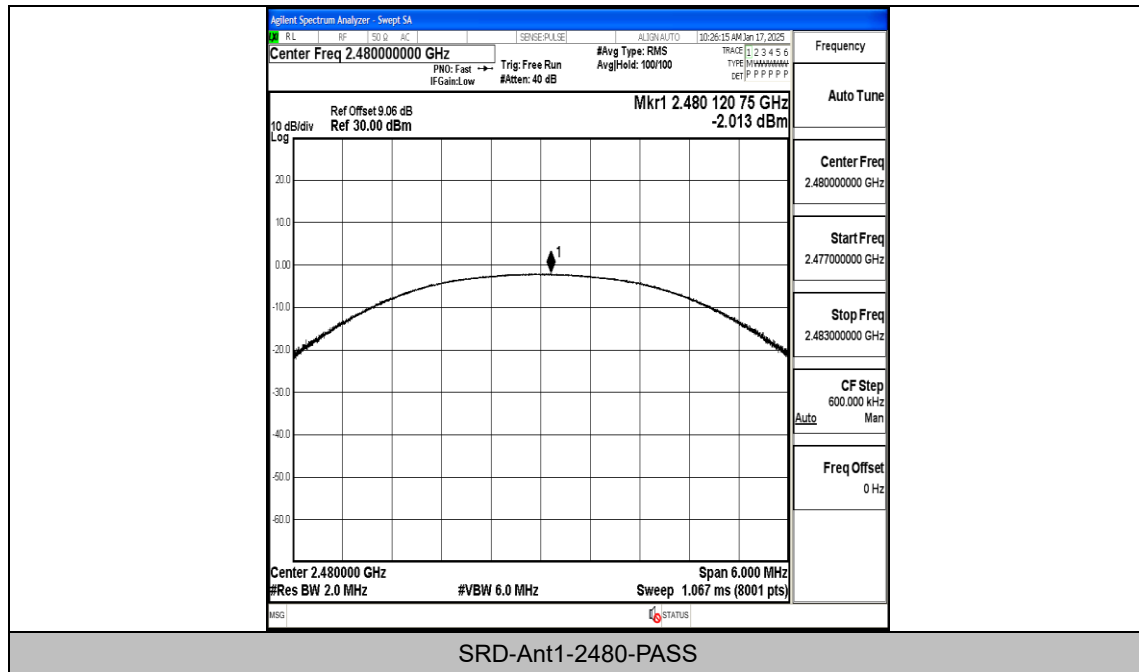
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2402	-3.53	≤30	PASS
SRD	Ant1	2440	-1.75	≤30	PASS
SRD	Ant1	2480	-2.01	≤30	PASS

Test Graphs Peak



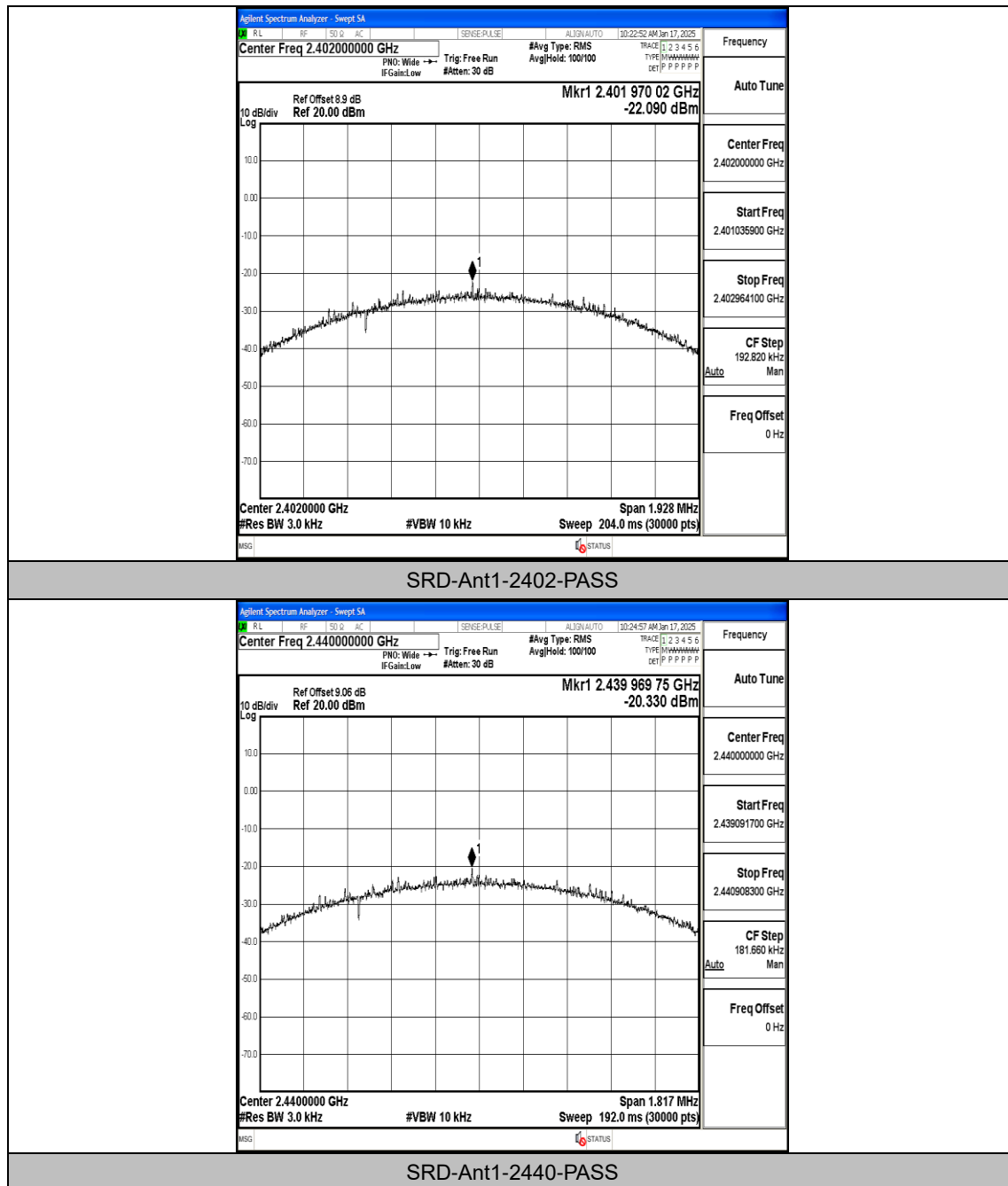


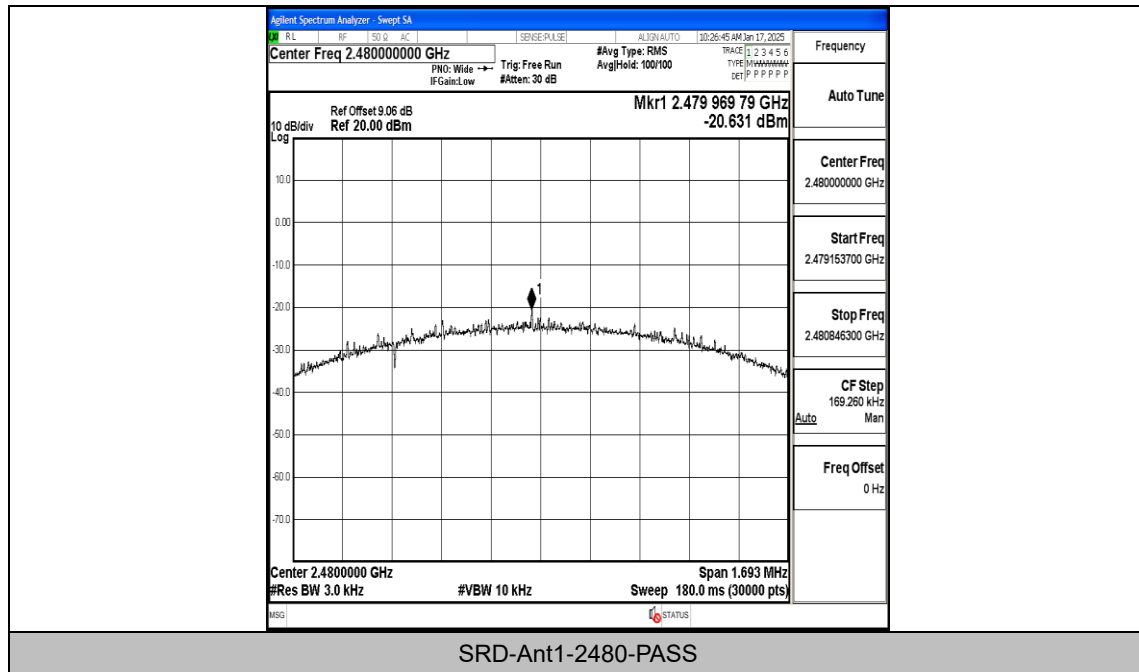
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2402	-22.09	≤8.00	PASS
SRD	Ant1	2440	-20.33	≤8.00	PASS
SRD	Ant1	2480	-20.63	≤8.00	PASS

Test Graphs



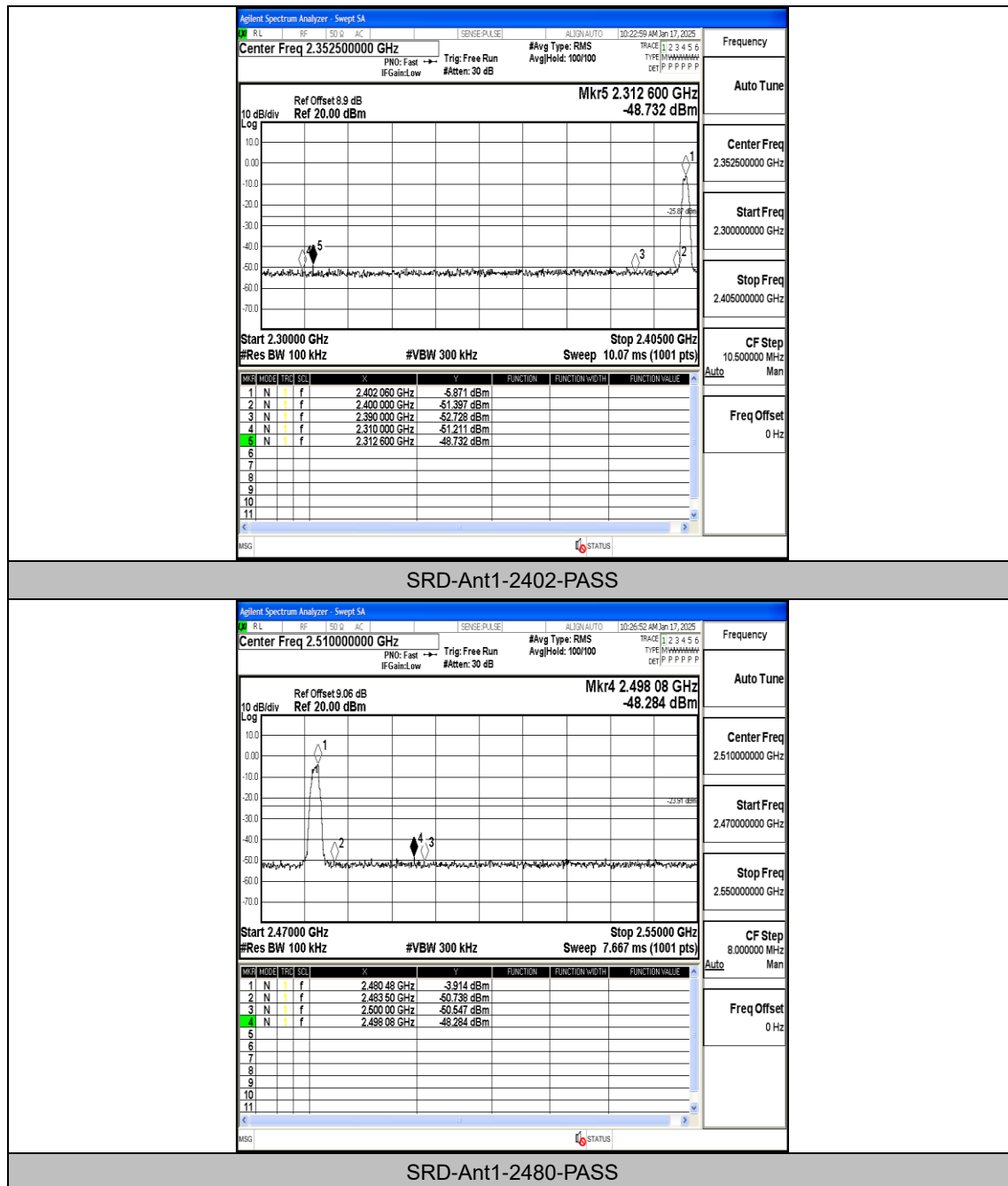


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2402	-5.87	-48.73	≤ -25.87	PASS
SRD	Ant1	High	2480	-3.91	-48.28	≤ -23.91	PASS

Test Graphs

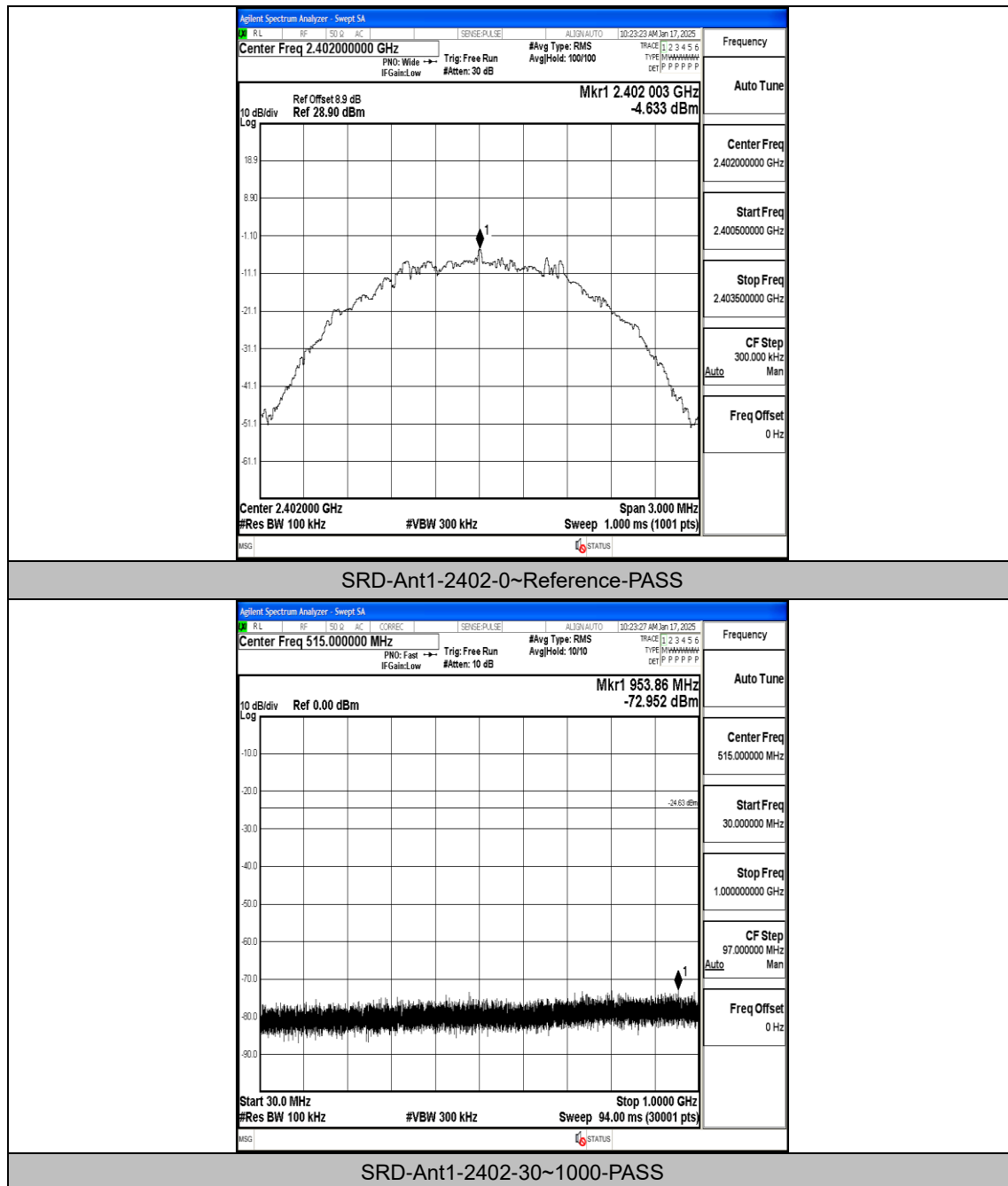


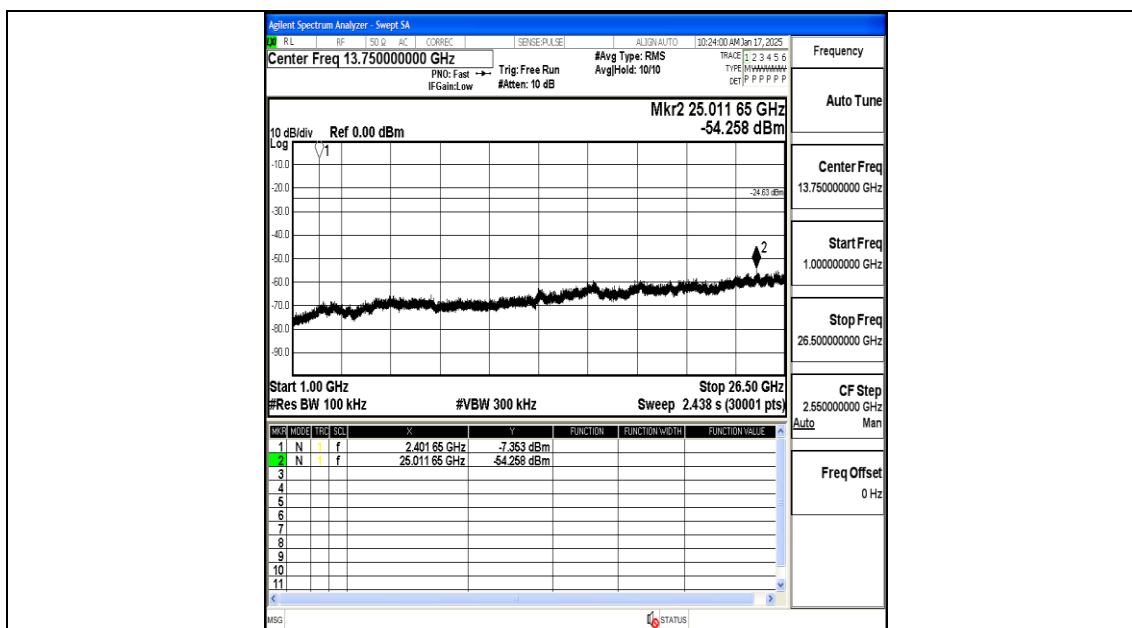
Appendix F: Conducted Spurious Emission

Test Result

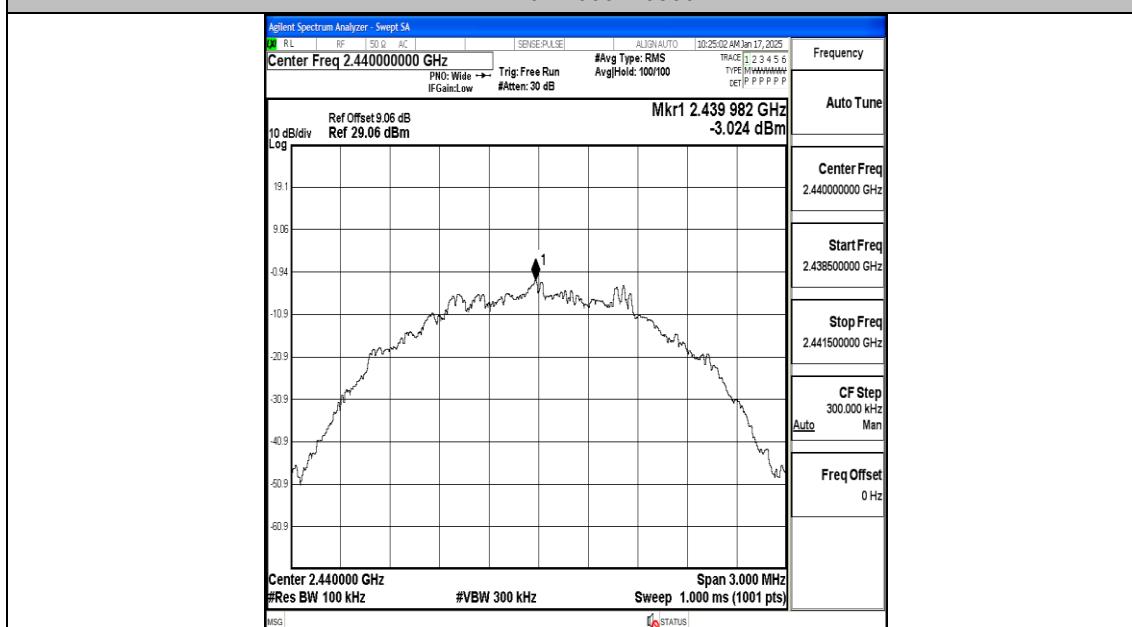
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2402	0~Reference	-4.63	-4.63	---	PASS
SRD	Ant1	2402	30~1000	-4.63	-72.95	≤-24.63	PASS
SRD	Ant1	2402	1000~26500	-4.63	-54.26	≤-24.63	PASS
SRD	Ant1	2440	0~Reference	-3.02	-3.02	---	PASS
SRD	Ant1	2440	30~1000	-3.02	-72.69	≤-23.02	PASS
SRD	Ant1	2440	1000~26500	-3.02	-55.76	≤-23.02	PASS
SRD	Ant1	2480	0~Reference	-4.45	-4.45	---	PASS
SRD	Ant1	2480	30~1000	-4.45	-73.07	≤-24.45	PASS
SRD	Ant1	2480	1000~26500	-4.45	-54.95	≤-24.45	PASS

Test Graphs

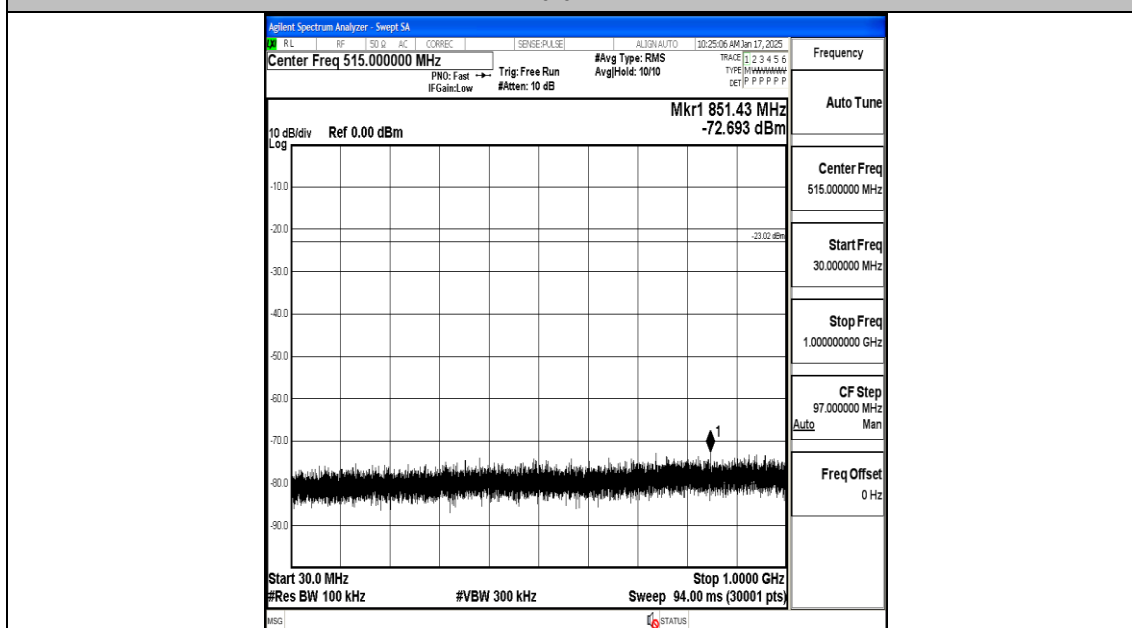




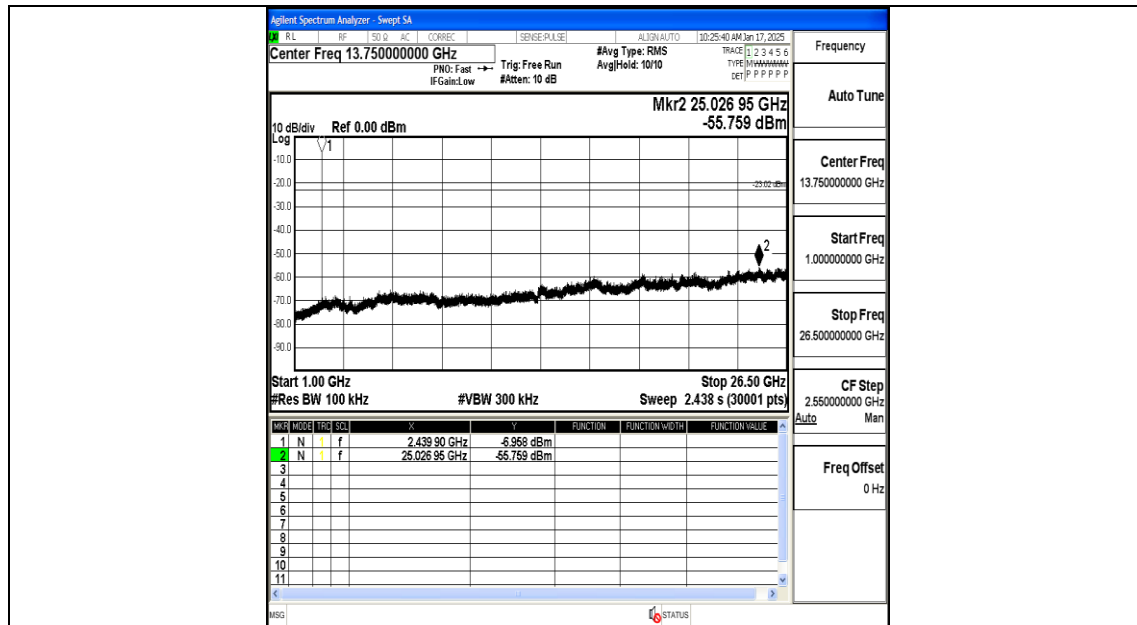
SRD-Ant1-2402-1000~26500-PASS



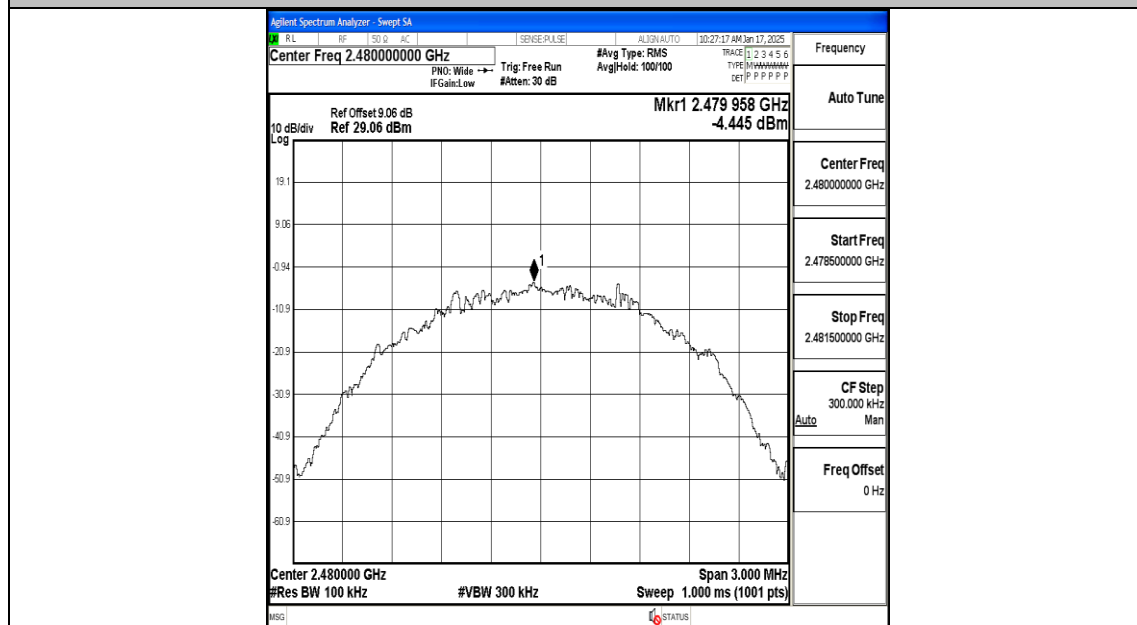
SRD-Ant1-2440-0~Reference-PASS



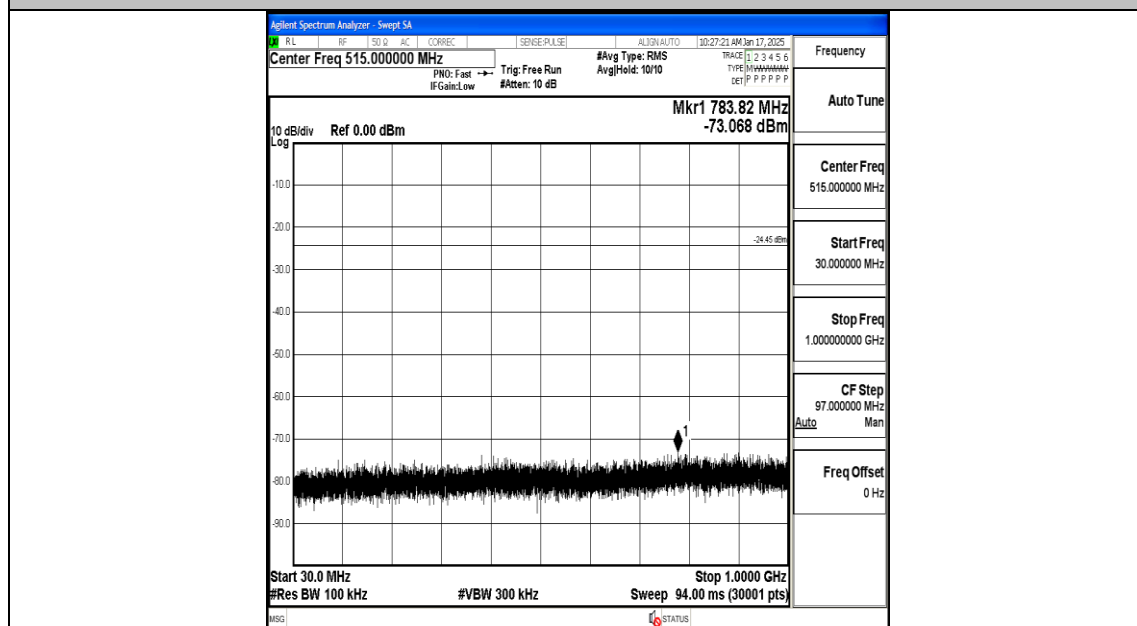
SRD-Ant1-2440-30~1000-PASS



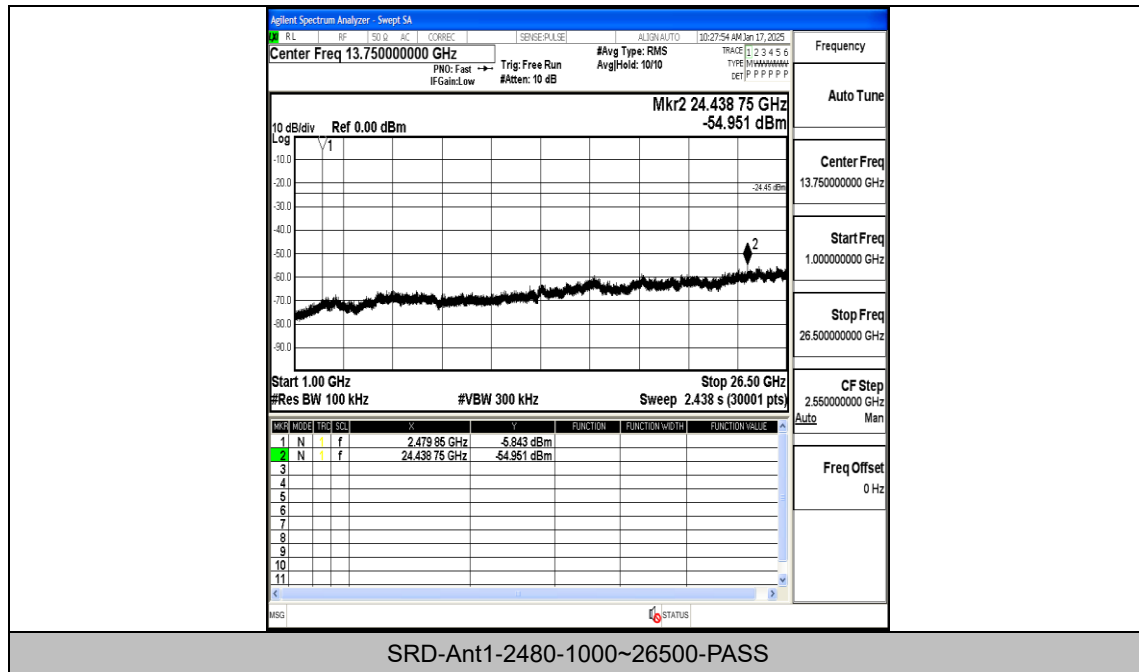
SRD-Ant1-2440-1000~26500-PASS



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	19.00	19.00	100.00	0.00
SRD	Ant1	2440	19.00	19.00	100.00	0.00
SRD	Ant1	2480	19.00	19.00	100.00	0.00

Test Graphs

