

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: Keychron

Test Model: K10 Max

FCC ID: 2BGKB-K10MAX

Environmental Conditions

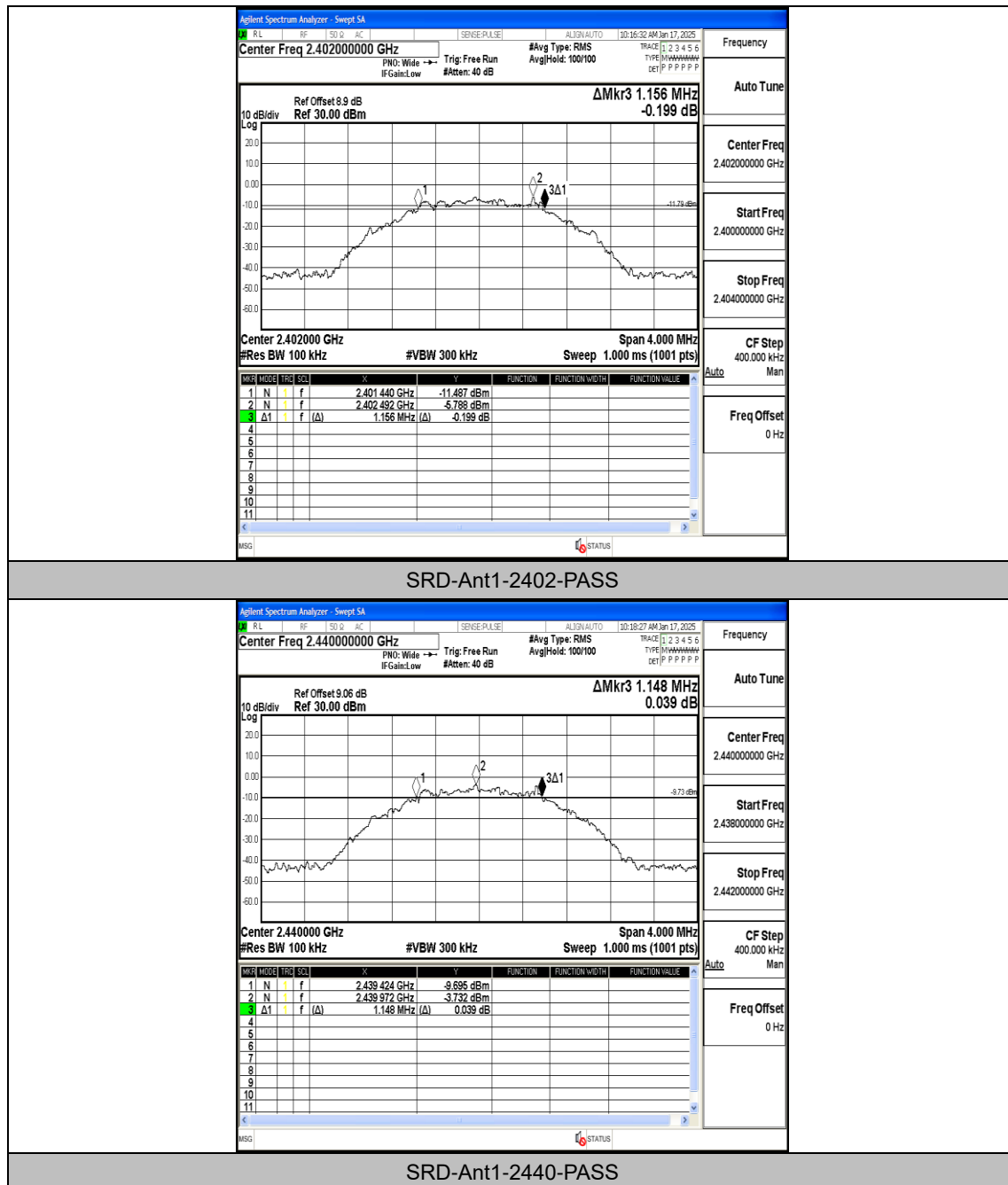
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

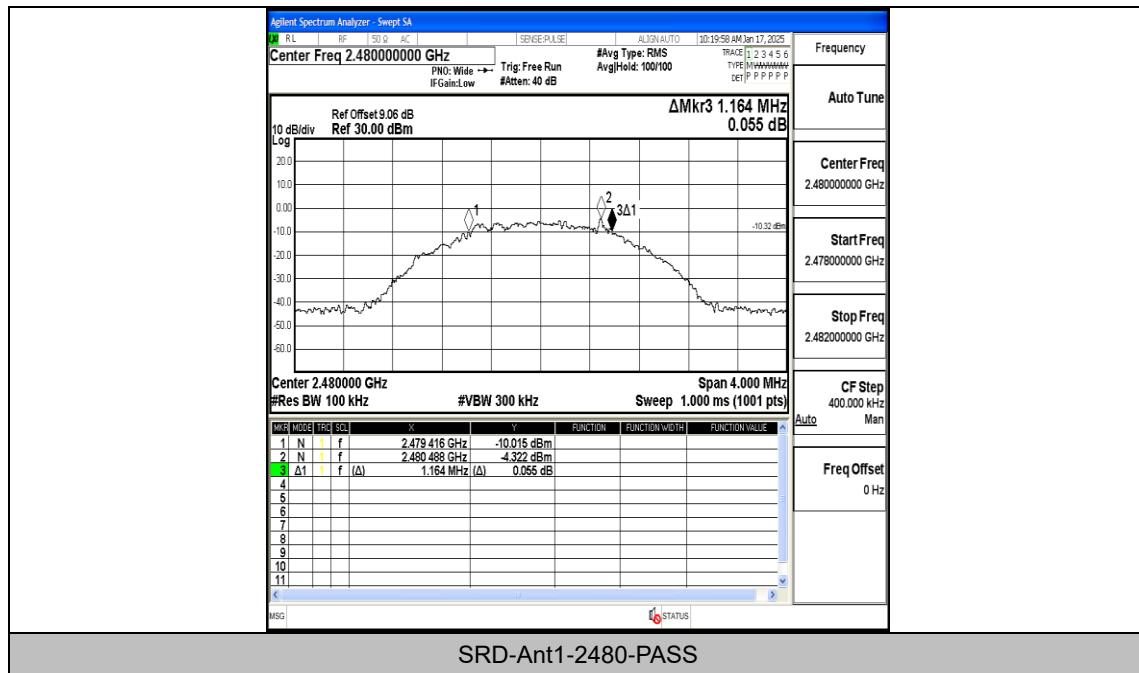
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.156	2401.440	2402.596	0.5	PASS
SRD	Ant1	2440	1.148	2439.424	2440.572	0.5	PASS
SRD	Ant1	2480	1.164	2479.416	2480.580	0.5	PASS

Test Graphs



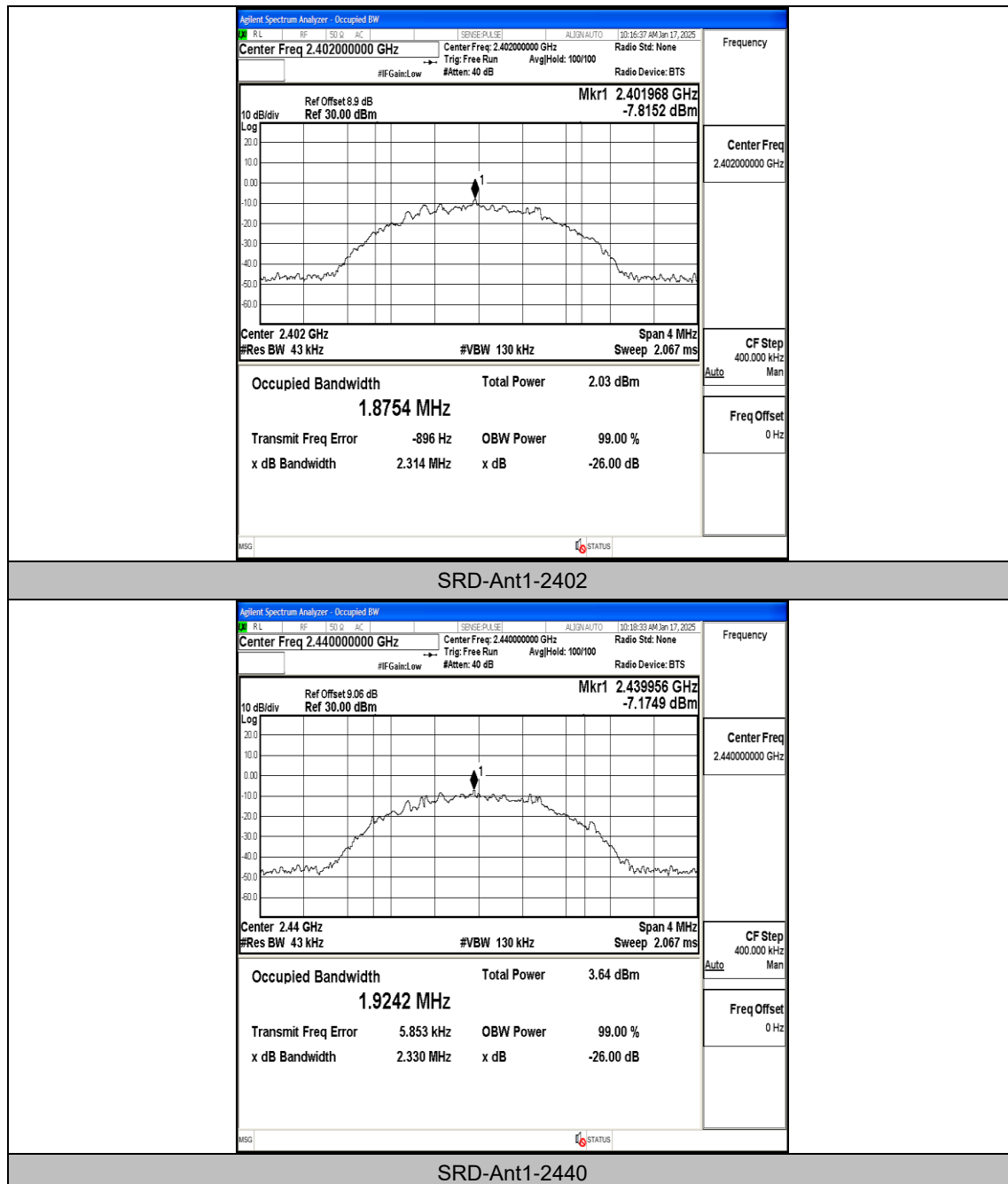


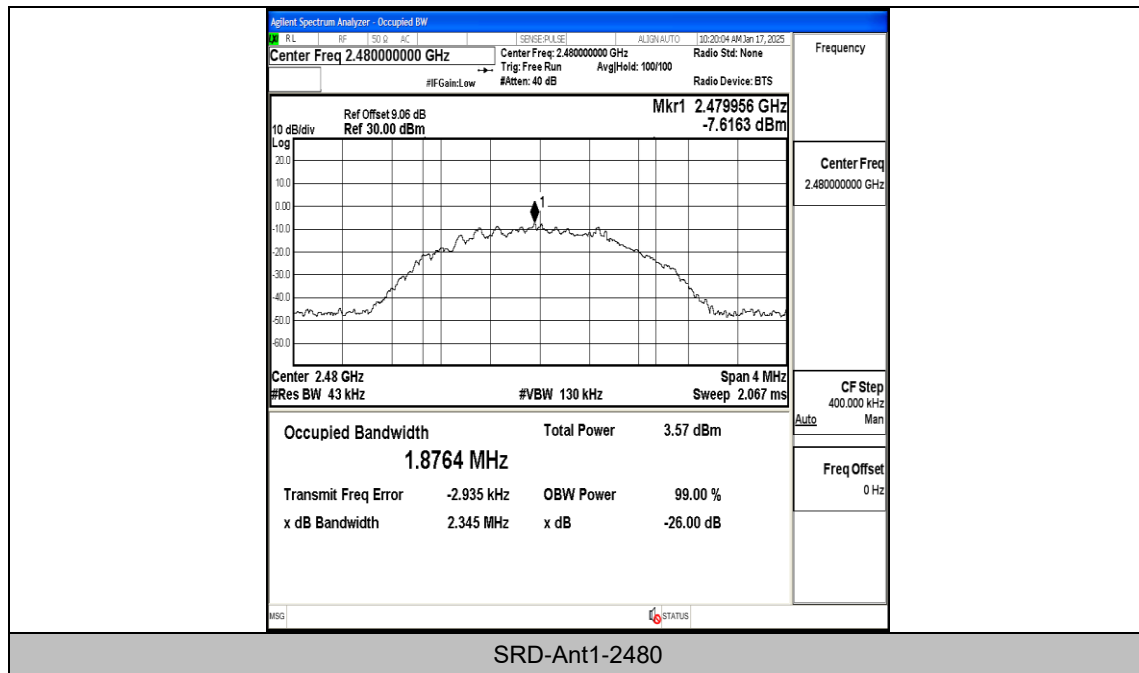
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.8754	2401.0614	2402.9368	---	---
SRD	Ant1	2440	1.9242	2439.0438	2440.9680	---	---
SRD	Ant1	2480	1.8764	2479.0589	2480.9353	---	---

Test Graphs



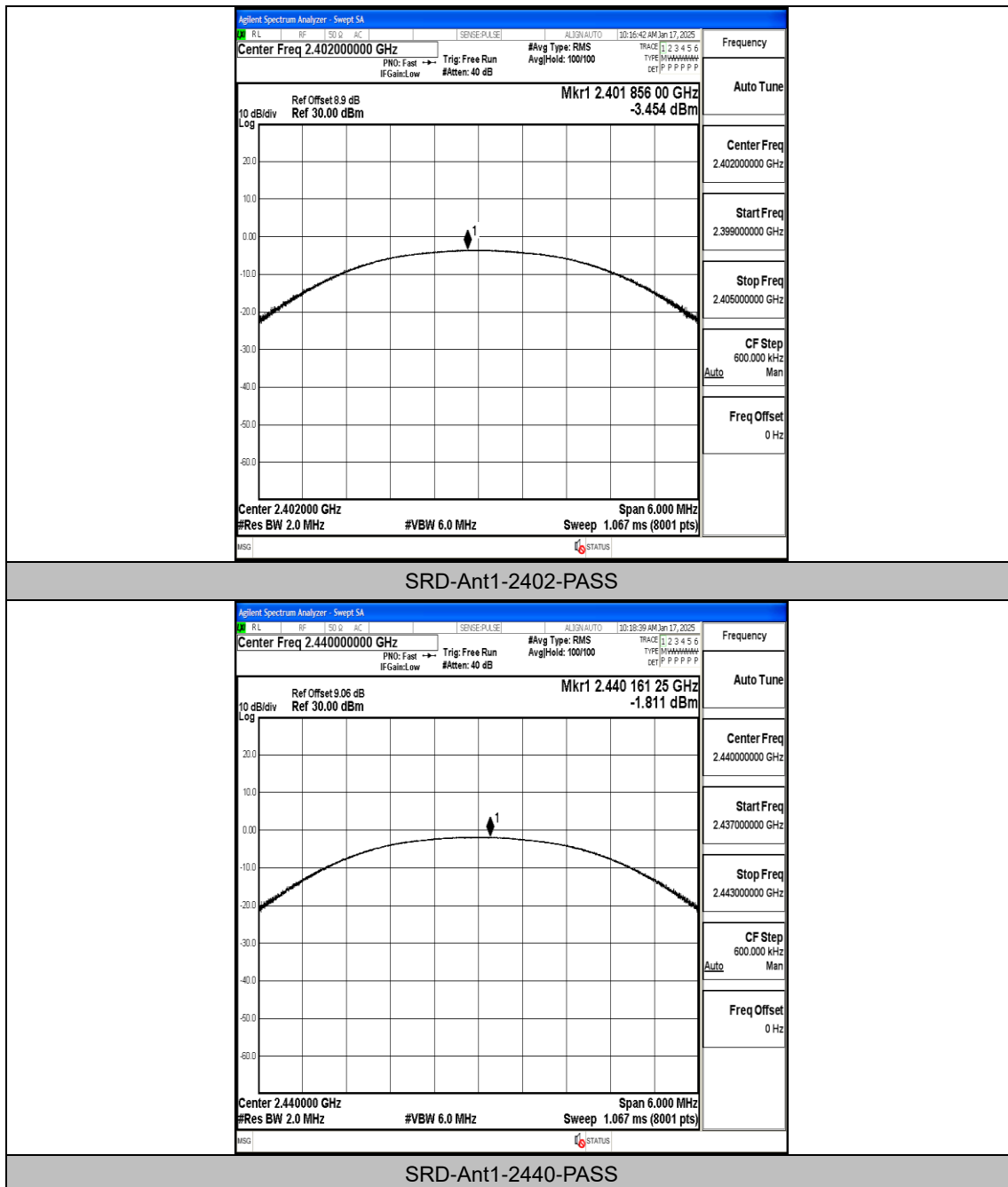


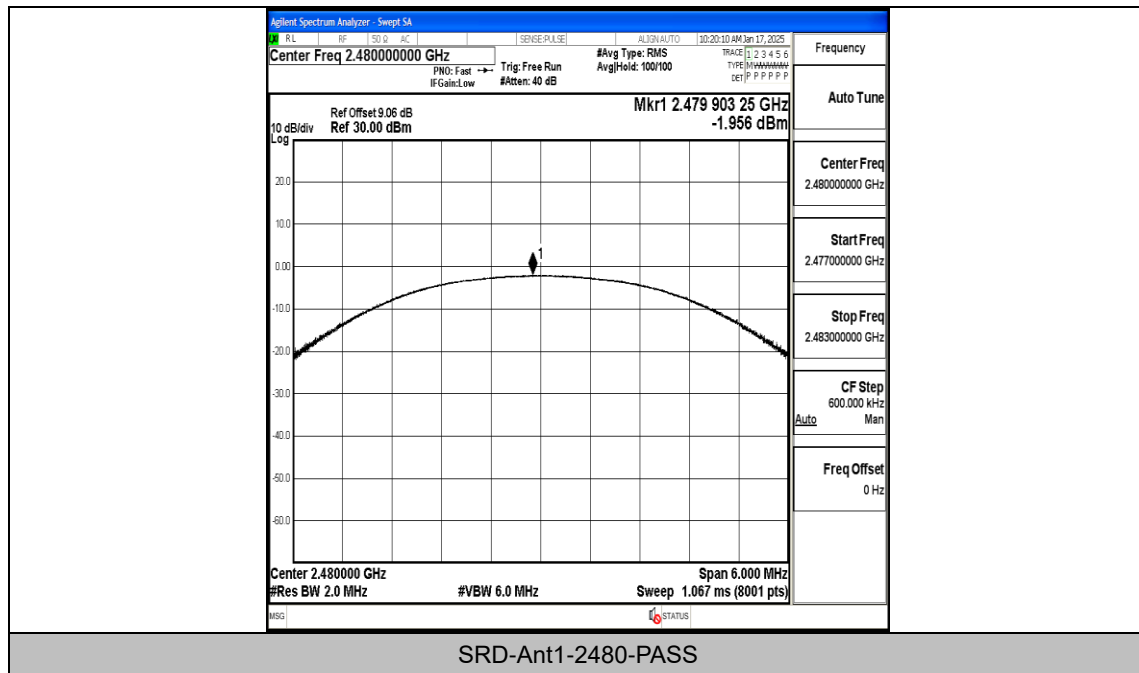
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2402	-3.45	≤30	PASS
SRD	Ant1	2440	-1.81	≤30	PASS
SRD	Ant1	2480	-1.96	≤30	PASS

Test Graphs Peak



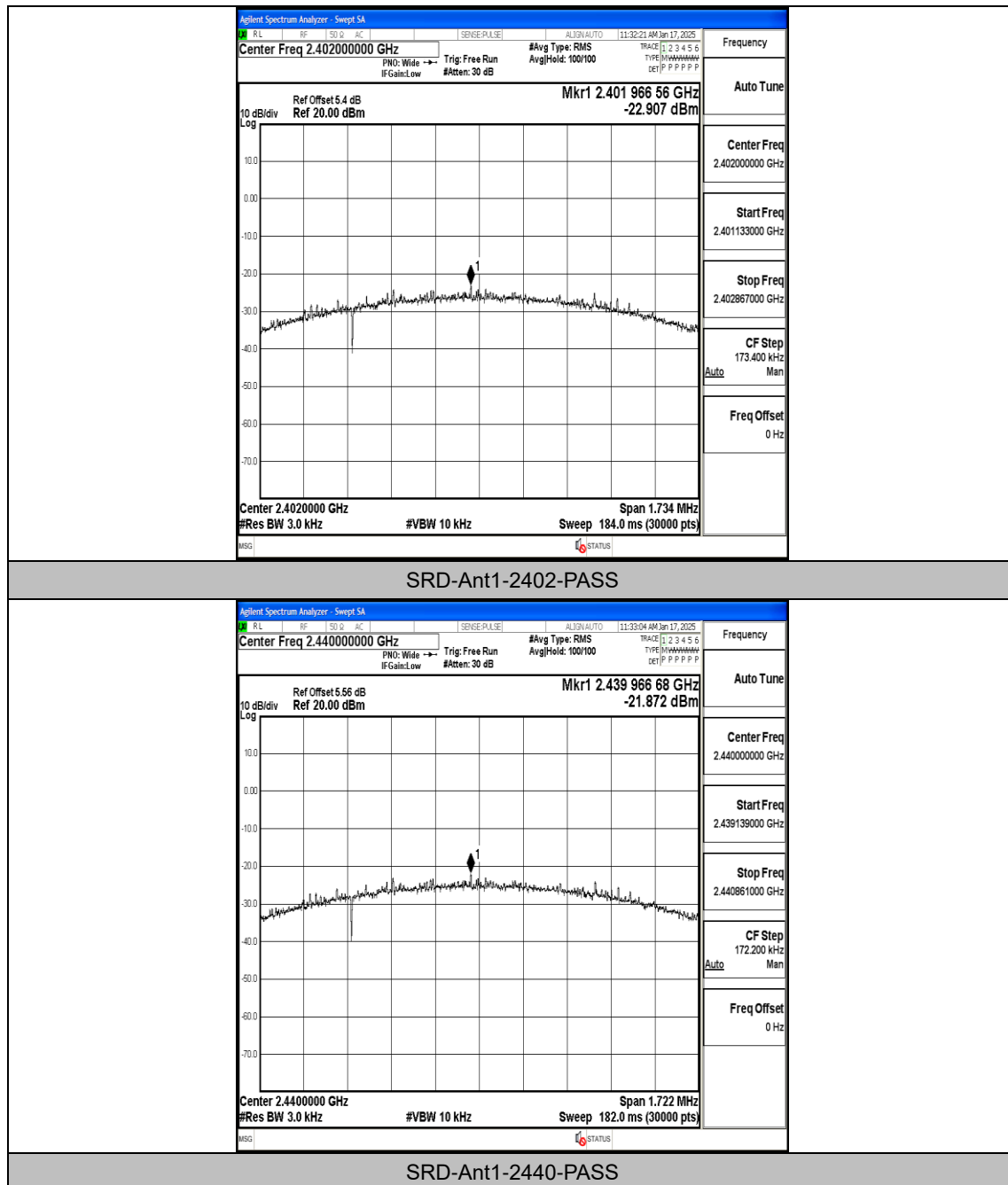


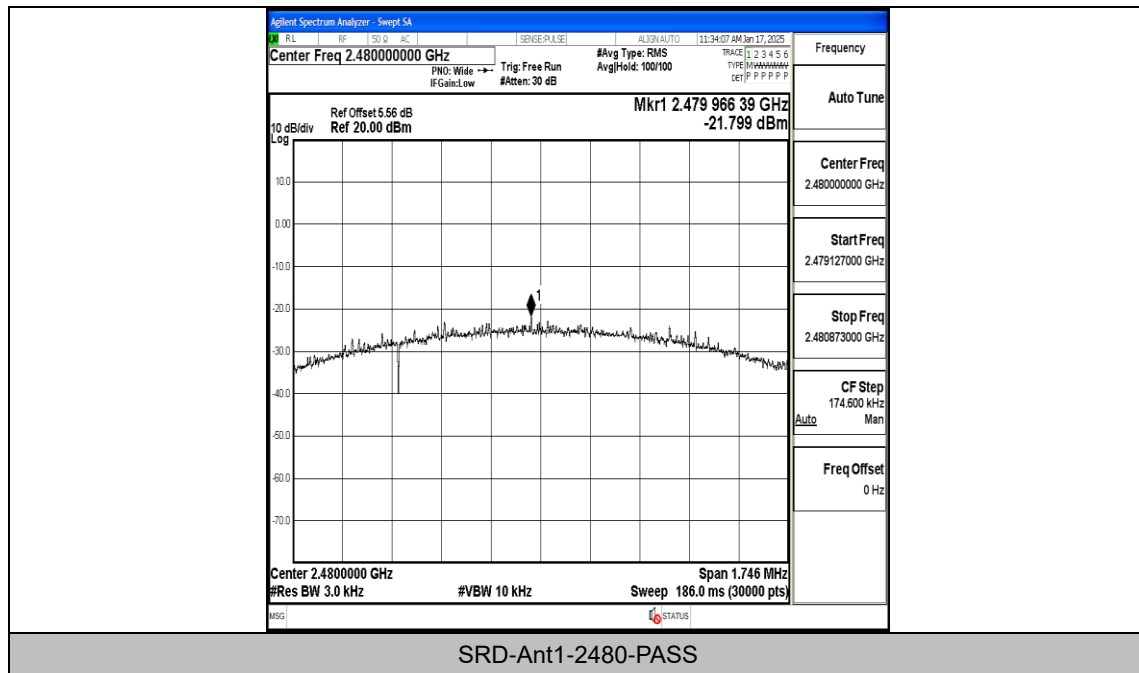
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2402	-22.91	≤8.00	PASS
SRD	Ant1	2440	-21.87	≤8.00	PASS
SRD	Ant1	2480	-21.80	≤8.00	PASS

Test Graphs



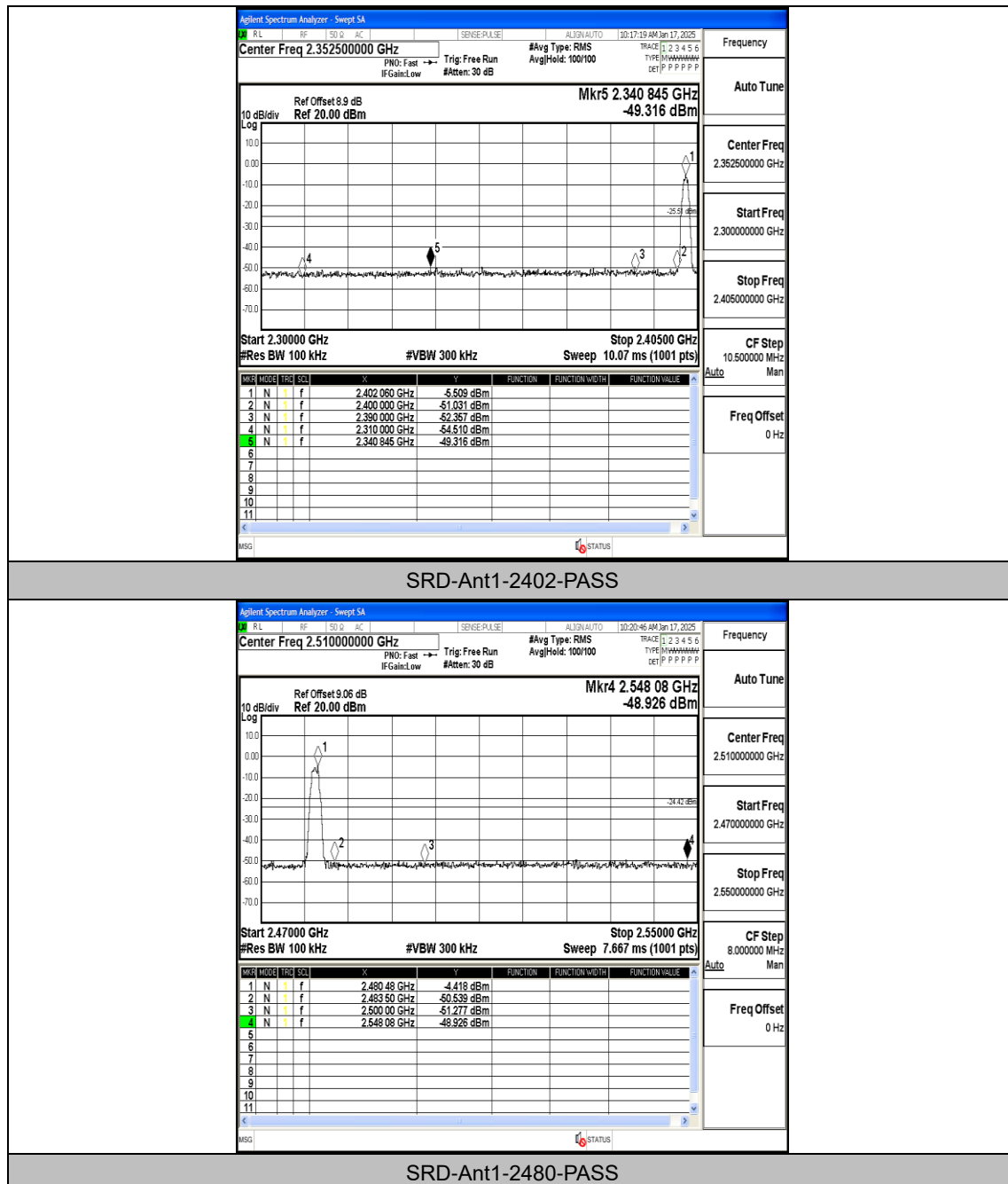


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2402	-5.51	-49.32	≤ -25.51	PASS
SRD	Ant1	High	2480	-4.42	-48.93	≤ -24.42	PASS

Test Graphs

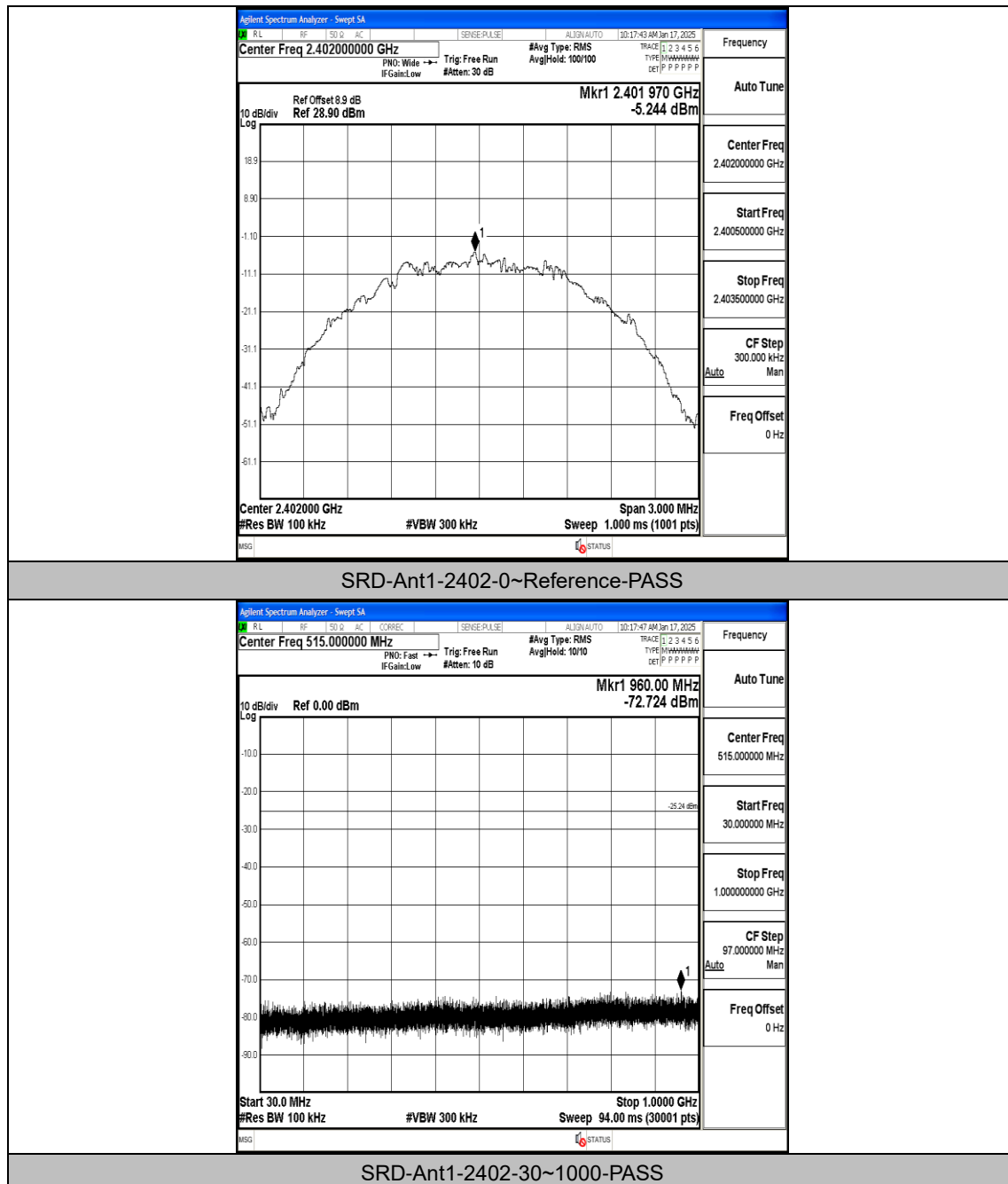


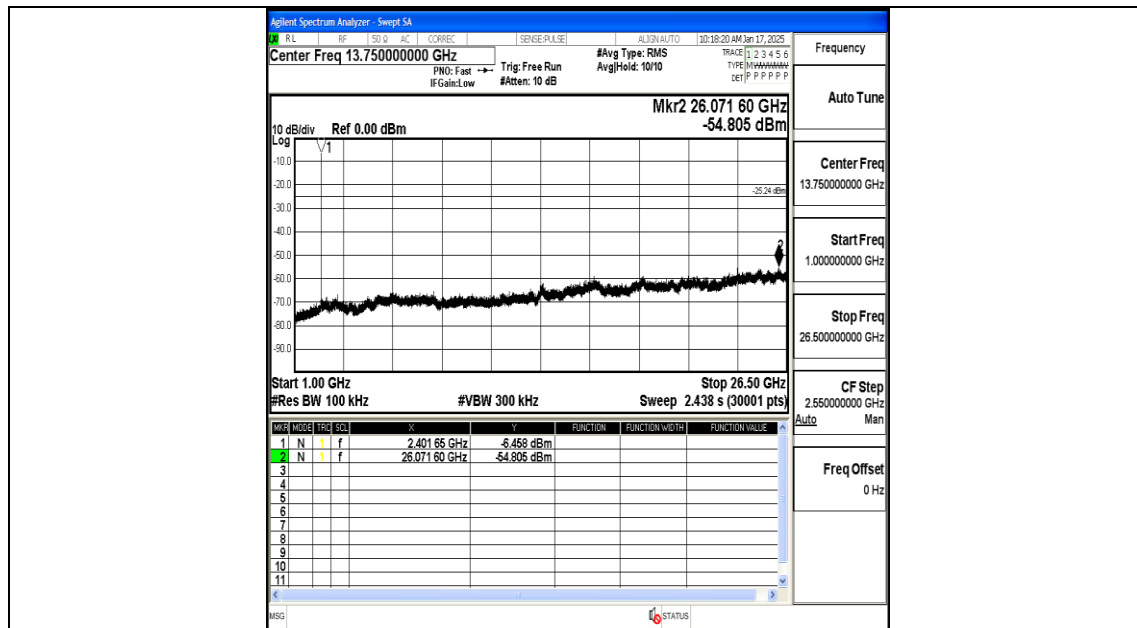
Appendix F: Conducted Spurious Emission

Test Result

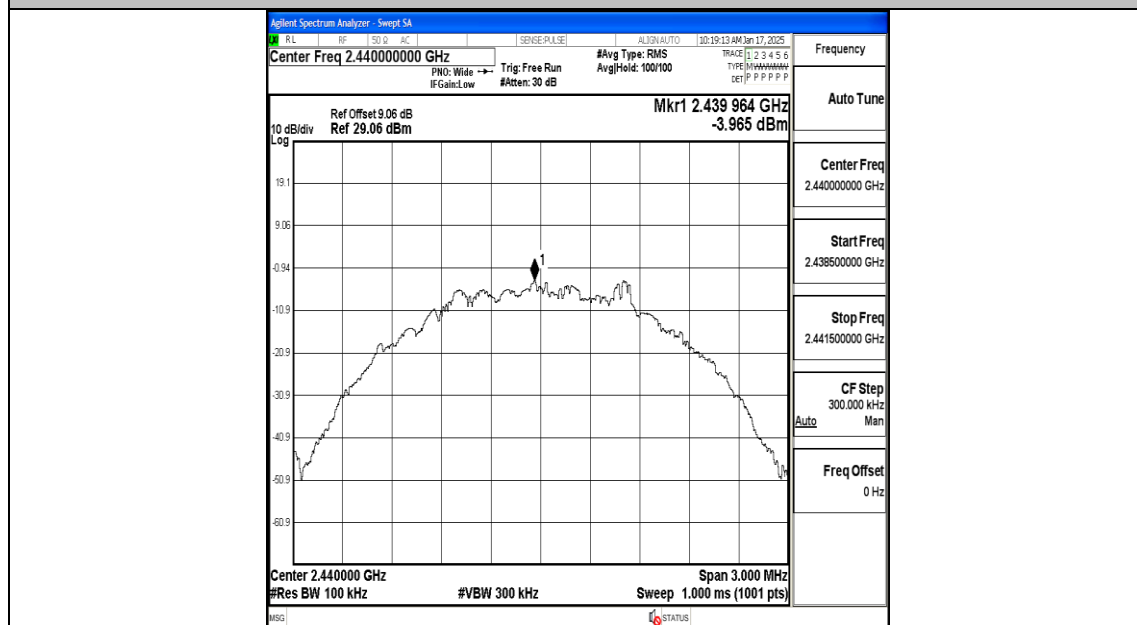
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2402	0~Reference	-5.24	-5.24	---	PASS
SRD	Ant1	2402	30~1000	-5.24	-72.72	≤ -25.24	PASS
SRD	Ant1	2402	1000~26500	-5.24	-54.81	≤ -25.24	PASS
SRD	Ant1	2440	0~Reference	-3.97	-3.97	---	PASS
SRD	Ant1	2440	30~1000	-3.97	-72.71	≤ -23.97	PASS
SRD	Ant1	2440	1000~26500	-3.97	-55.51	≤ -23.97	PASS
SRD	Ant1	2480	0~Reference	-3.07	-3.07	---	PASS
SRD	Ant1	2480	30~1000	-3.07	-72.34	≤ -23.07	PASS
SRD	Ant1	2480	1000~26500	-3.07	-55.75	≤ -23.07	PASS

Test Graphs

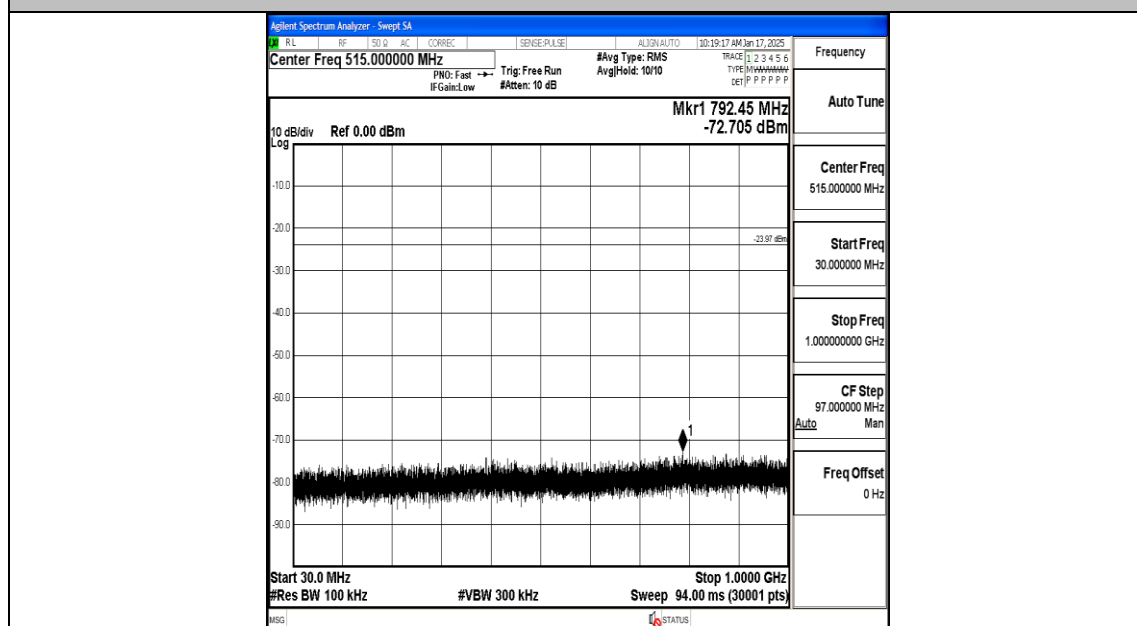




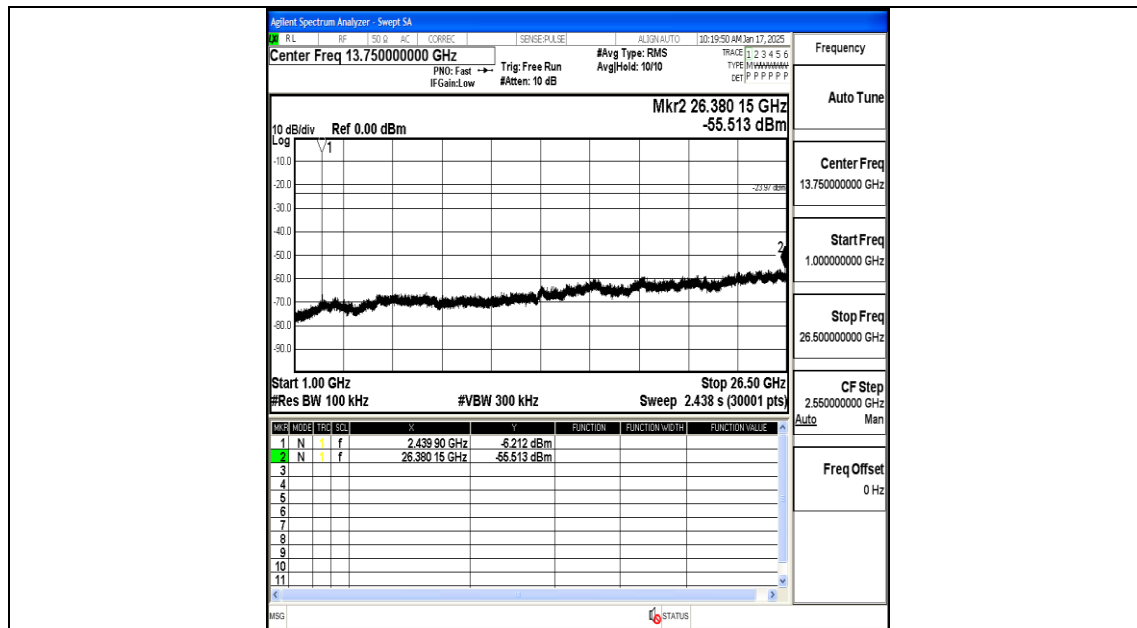
SRD-Ant1-2402-1000~26500-PASS



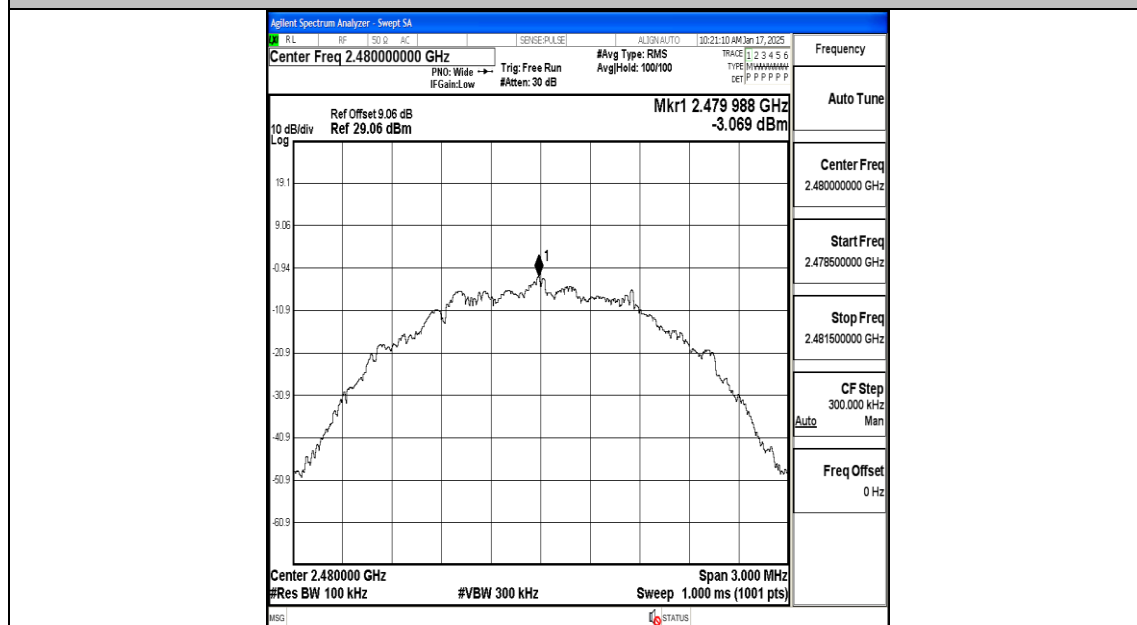
SRD-Ant1-2440-0~Reference-PASS



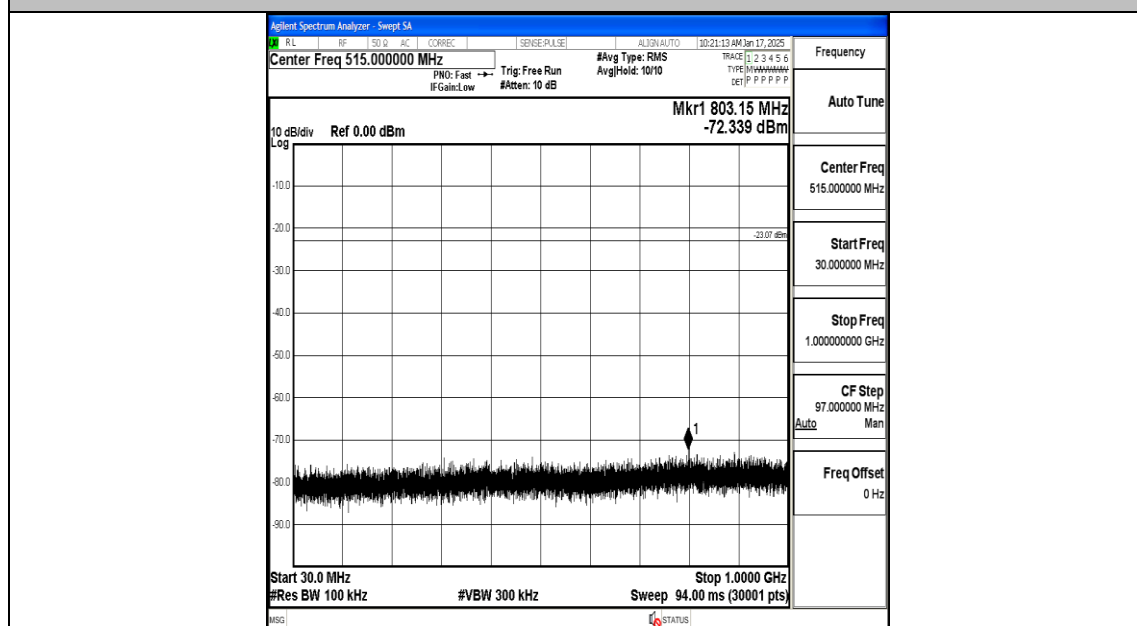
SRD-Ant1-2440-30~1000-PASS



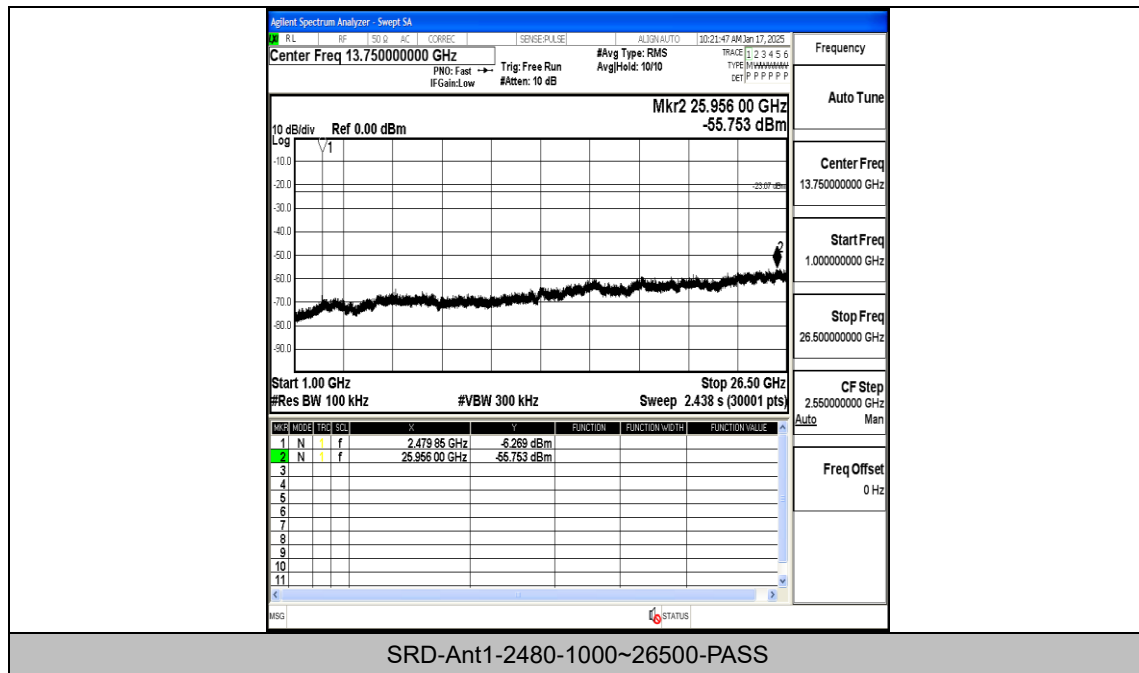
SRD-Ant1-2440-1000~26500-PASS



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

