

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Mechanical Keyboard

Trade Mark: Keychron

Test Model: B2 Pro

FCC ID: 2BGKB-B2PRO

Environmental Conditions

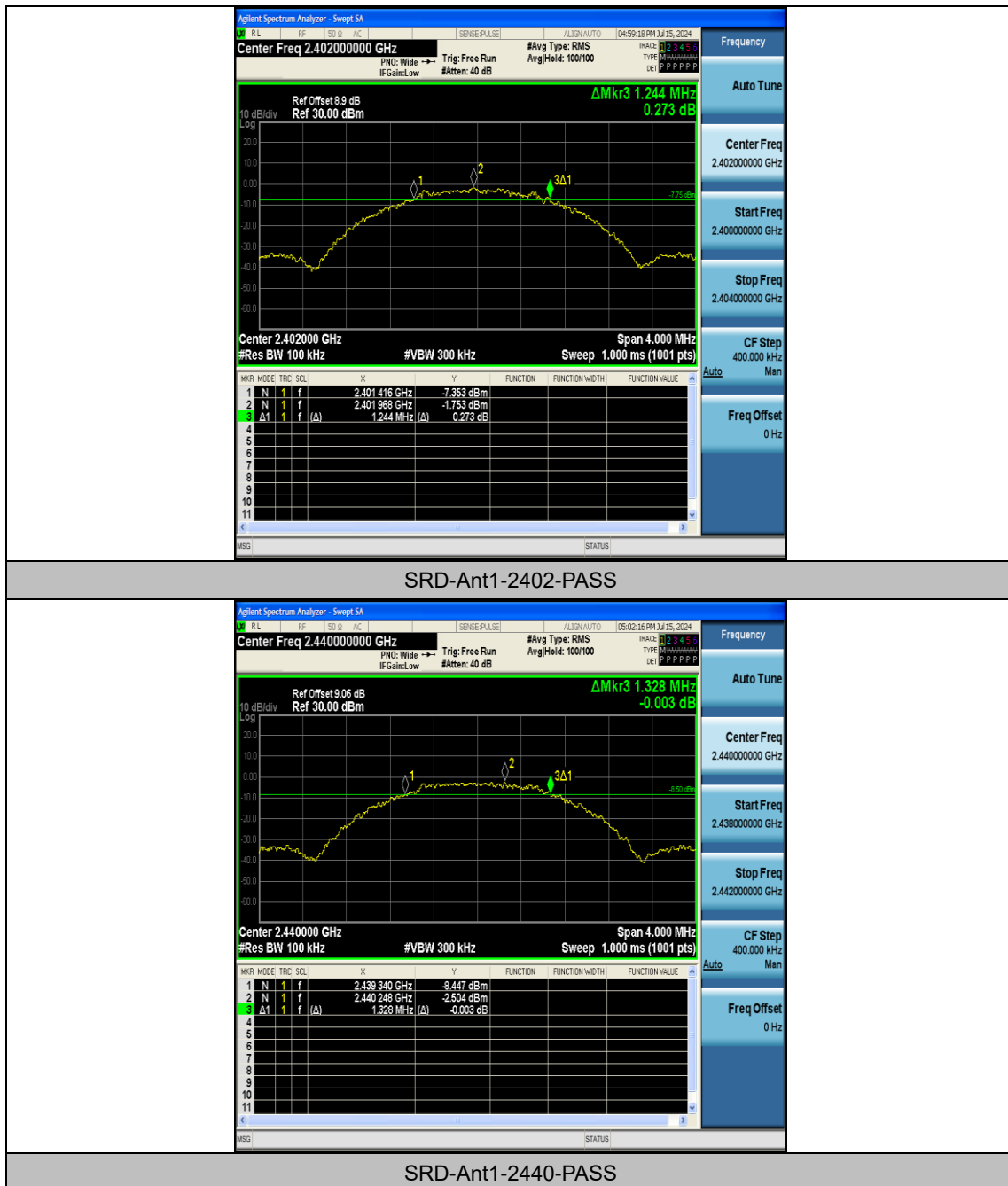
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.244	2401.416	2402.660	0.5	PASS
SRD	Ant1	2440	1.328	2439.340	2440.668	0.5	PASS
SRD	Ant1	2480	1.364	2479.368	2480.732	0.5	PASS

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	2.0696	2400.9716	2403.0412	---	---
SRD	Ant1	2440	2.0887	2438.9686	2441.0573	---	---
SRD	Ant1	2480	2.0081	2478.9991	2481.0072	---	---

Test Graphs



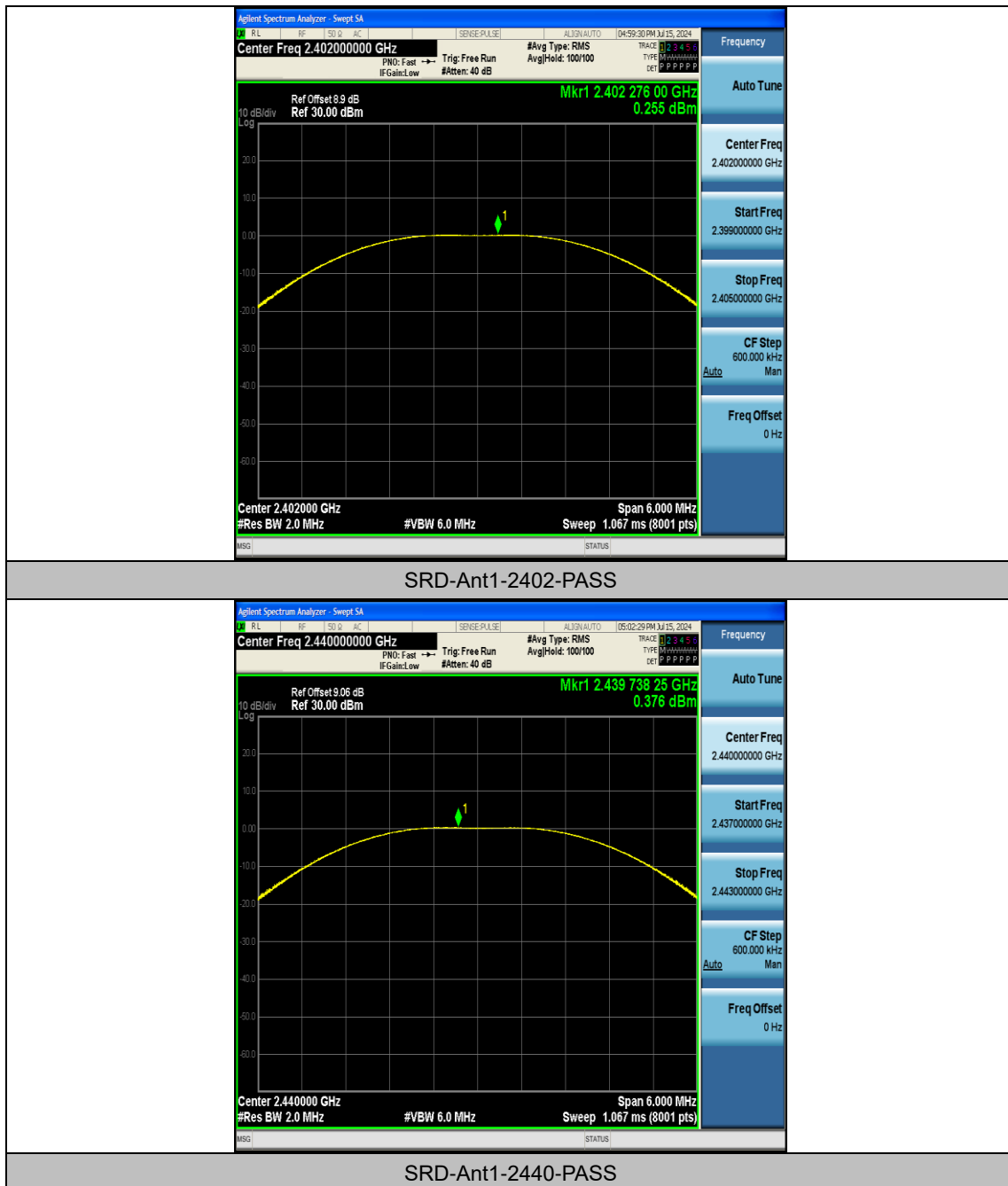


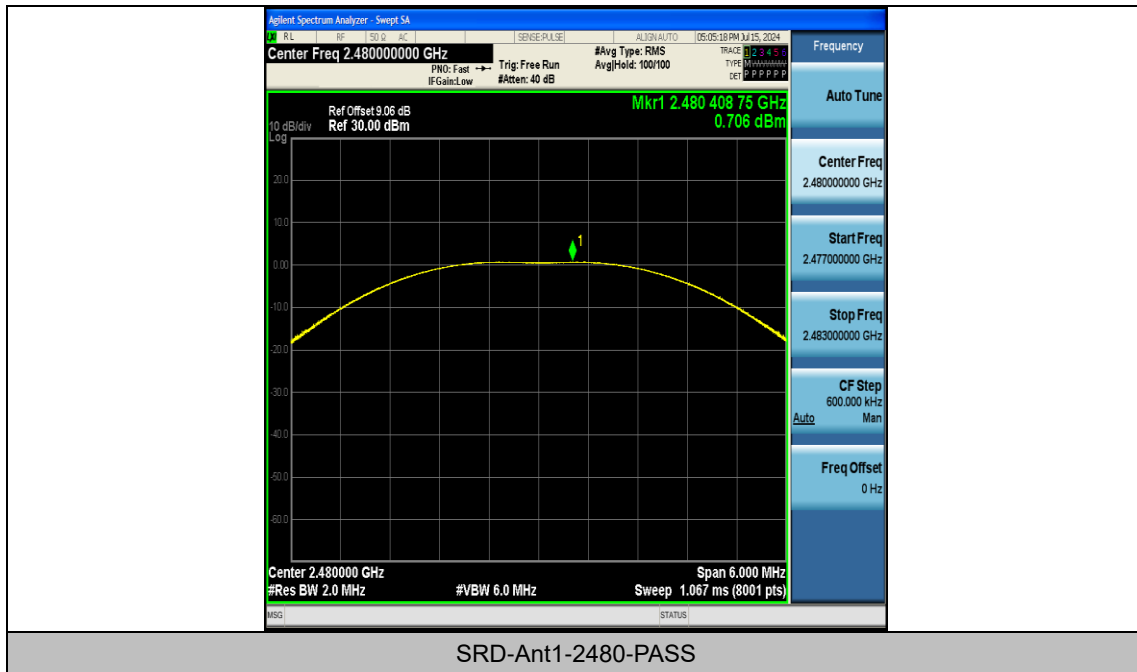
Appendix C: Maximum peak conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2402	0.26	≤30	PASS
SRD	Ant1	2440	0.38	≤30	PASS
SRD	Ant1	2480	0.71	≤30	PASS

Test Graphs Peak



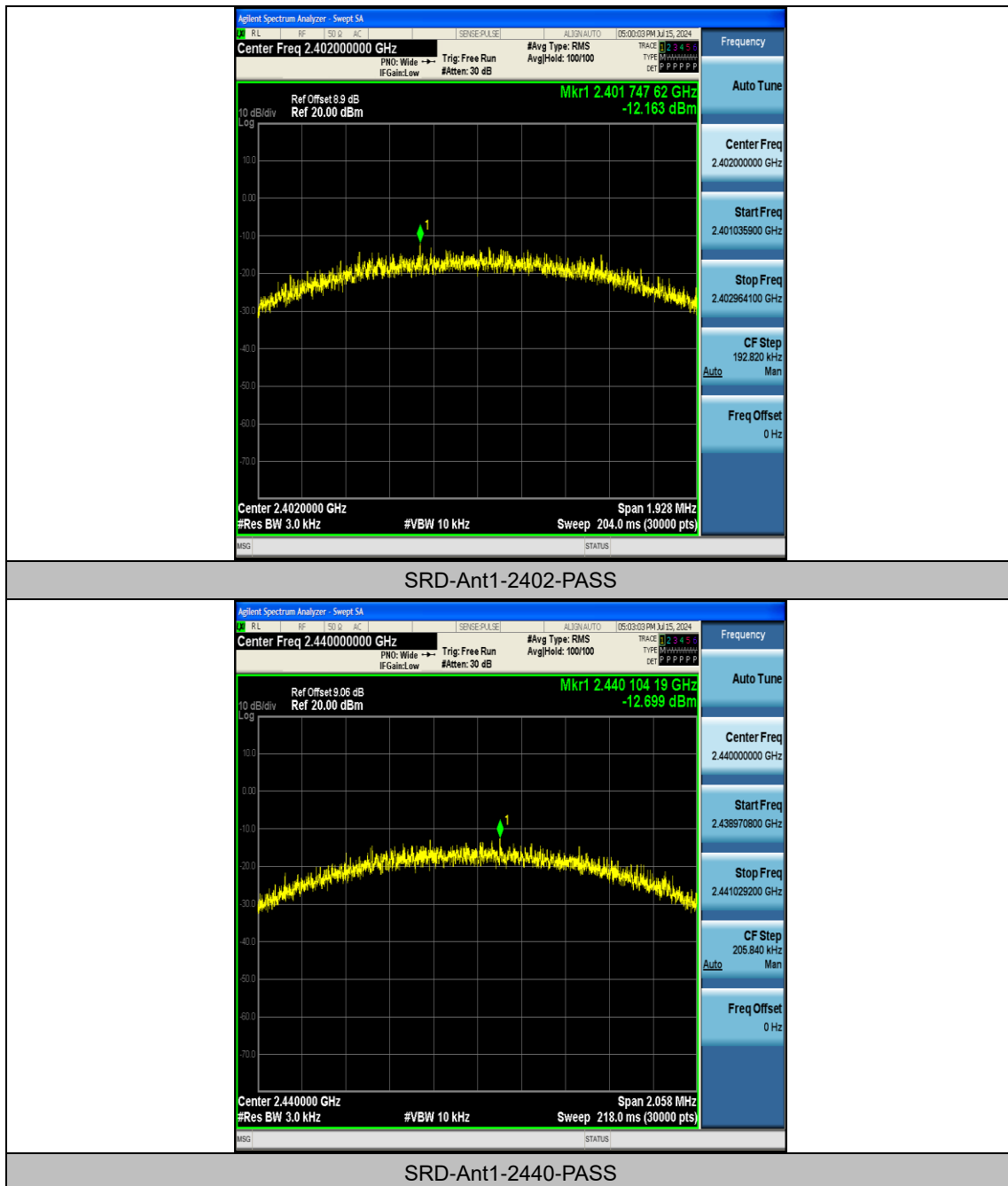


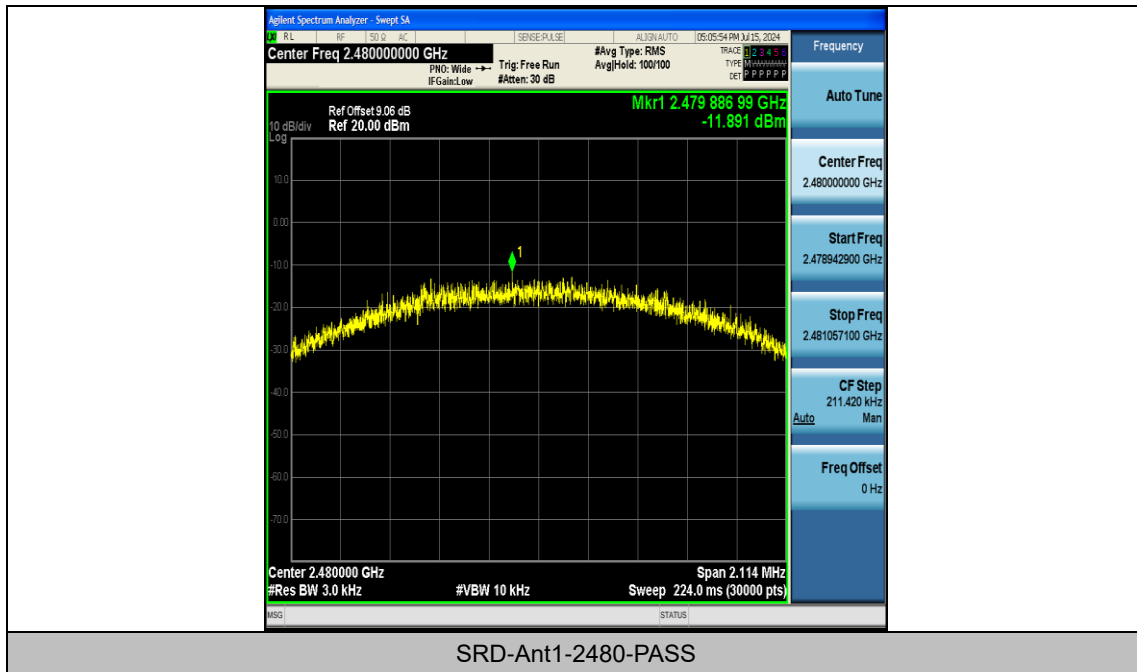
Appendix D: Maximum peak power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-12.16	≤8.00	PASS
SRD	Ant1	2440	-12.70	≤8.00	PASS
SRD	Ant1	2480	-11.89	≤8.00	PASS

Test Graphs



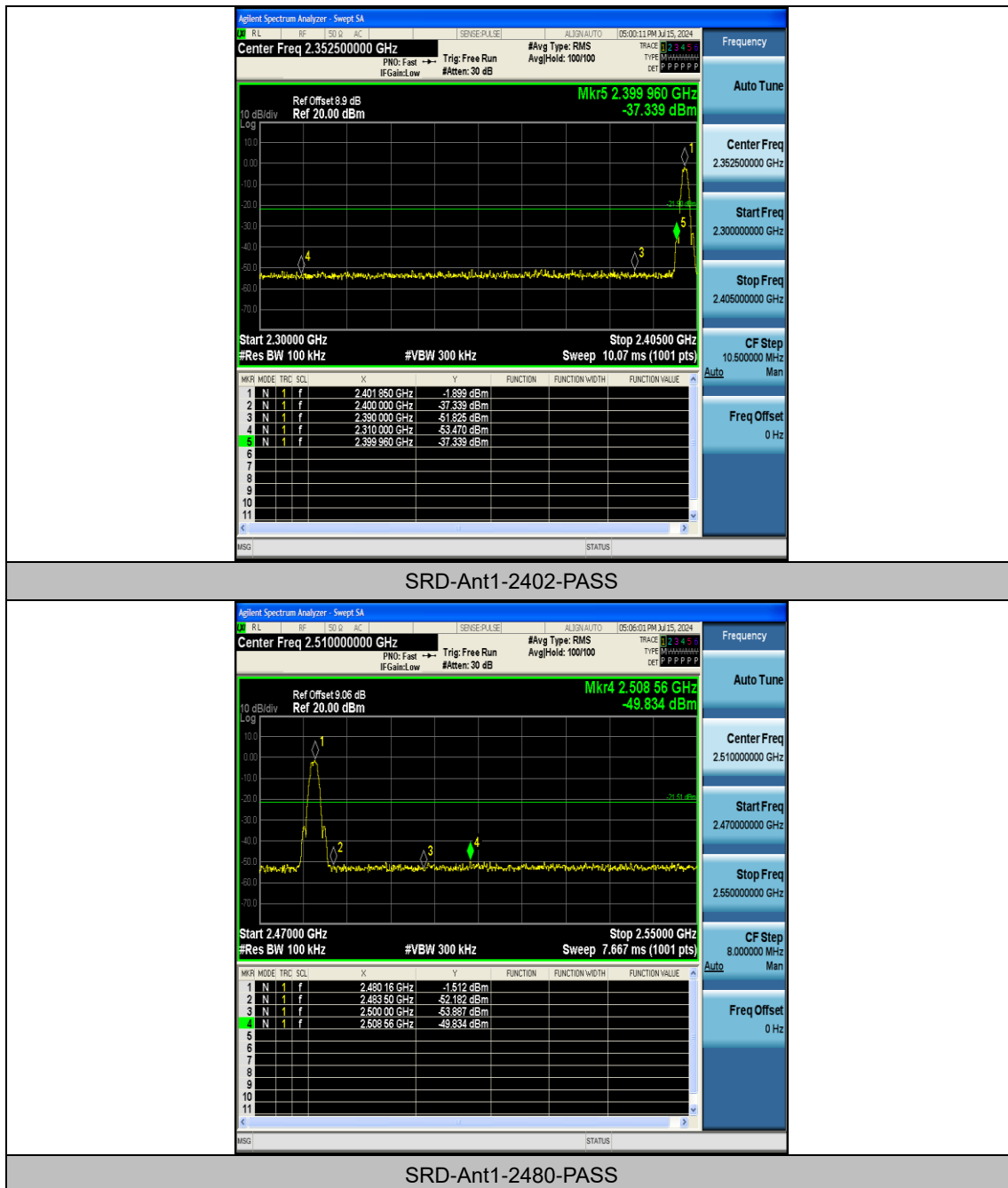


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-1.90	-37.34	≤-21.9	PASS
SRD	Ant1	High	2480	-1.51	-49.83	≤-21.51	PASS

Test Graphs

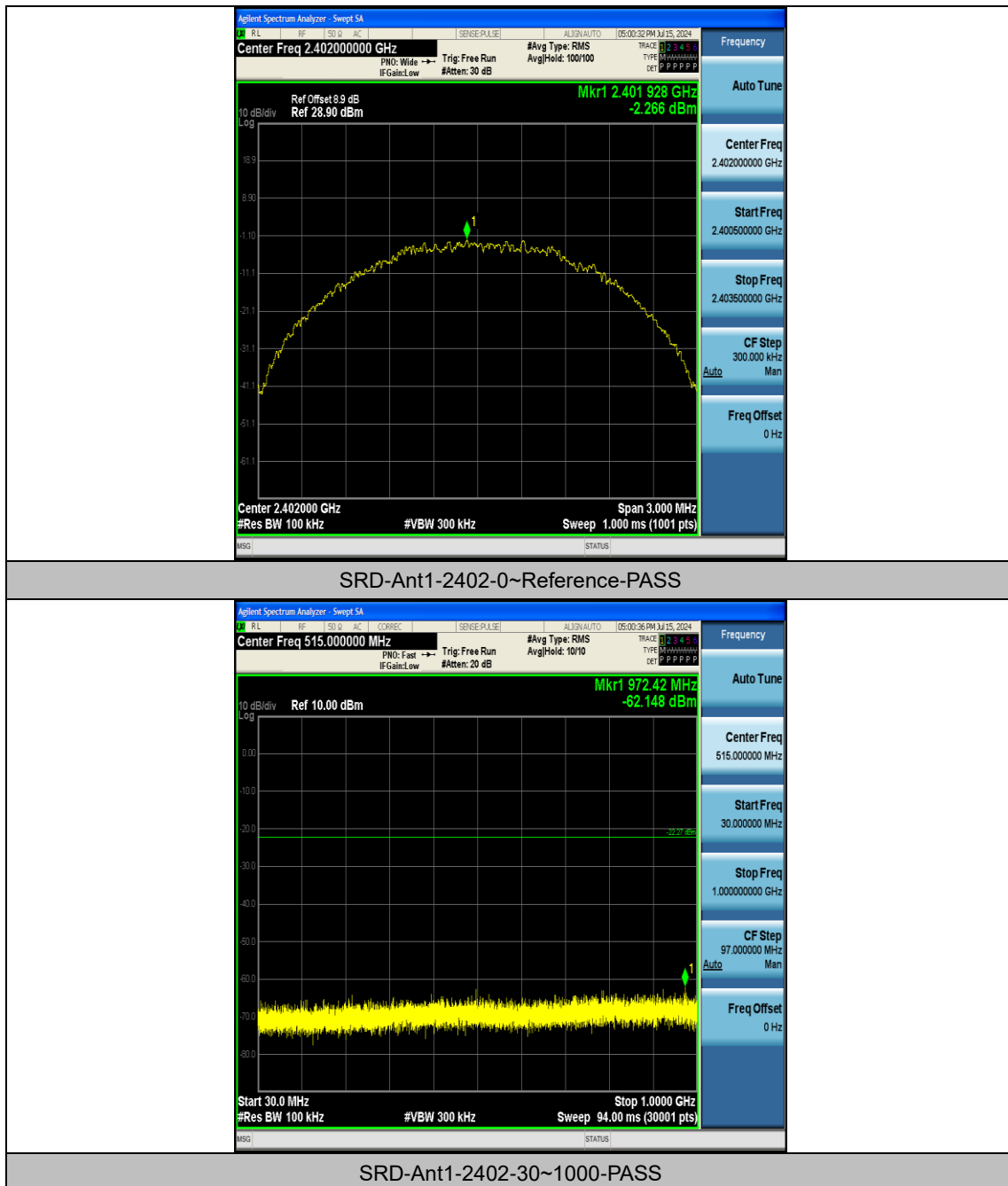


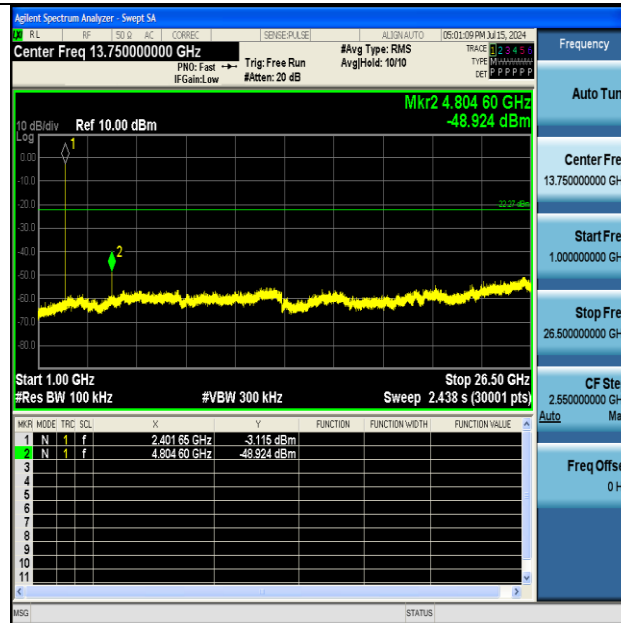
Appendix F: Conducted Spurious Emission

Test Result

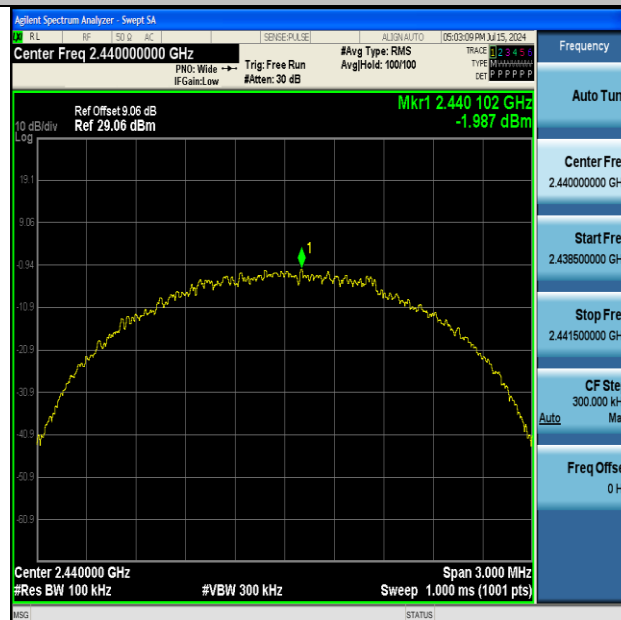
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	0~Reference	-2.27	-2.27	---	PASS
SRD	Ant1	2402	30~1000	-2.27	-62.15	≤-22.27	PASS
SRD	Ant1	2402	1000~26500	-2.27	-48.92	≤-22.27	PASS
SRD	Ant1	2440	0~Reference	-1.99	-1.99	---	PASS
SRD	Ant1	2440	30~1000	-1.99	-62.42	≤-21.99	PASS
SRD	Ant1	2440	1000~26500	-1.99	-48.07	≤-21.99	PASS
SRD	Ant1	2480	0~Reference	-1.10	-1.10	---	PASS
SRD	Ant1	2480	30~1000	-1.10	-60.87	≤-21.1	PASS
SRD	Ant1	2480	1000~26500	-1.10	-50.22	≤-21.1	PASS

Test Graphs

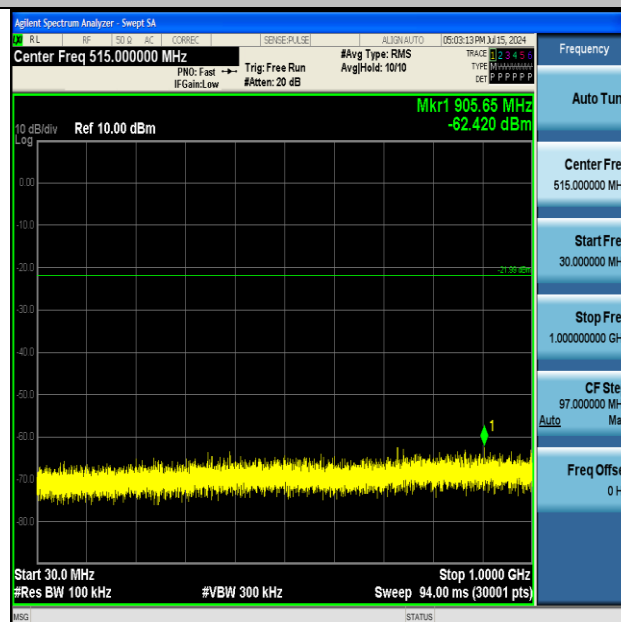




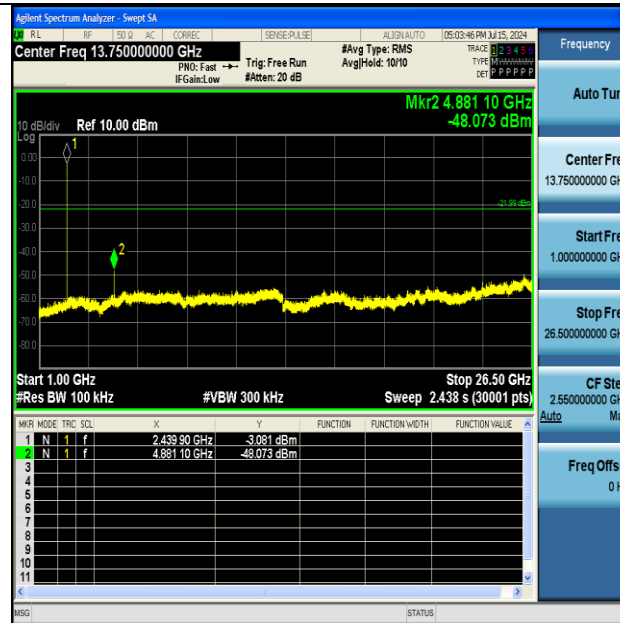
SRD-Ant1-2402-1000~26500-PASS



SRD-Ant1-2440-0~Reference-PASS



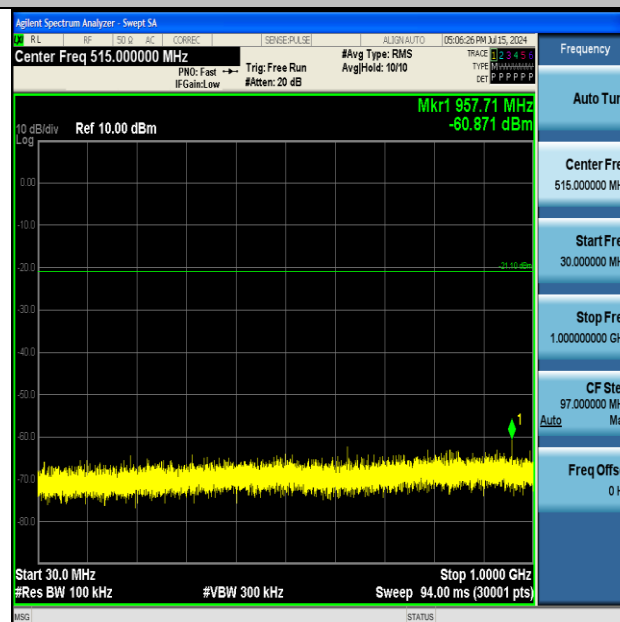
SRD-Ant1-2440-30~1000-PASS



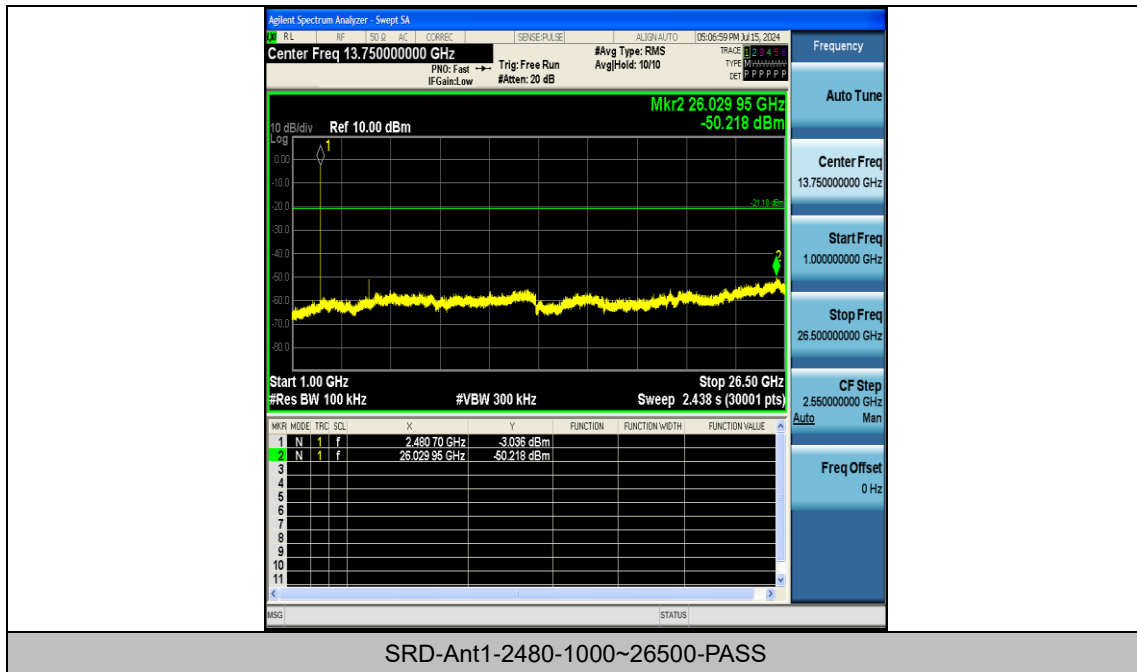
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2480-0~Reference-PASS



SRD-Ant1-2480-30~1000-PASS



Appendix G: Duty Cycle

Test Result

TestMode	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

