

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: JamesDonkey

Test Model: J5

FCC ID: 2BGKB-J5

Environmental Conditions

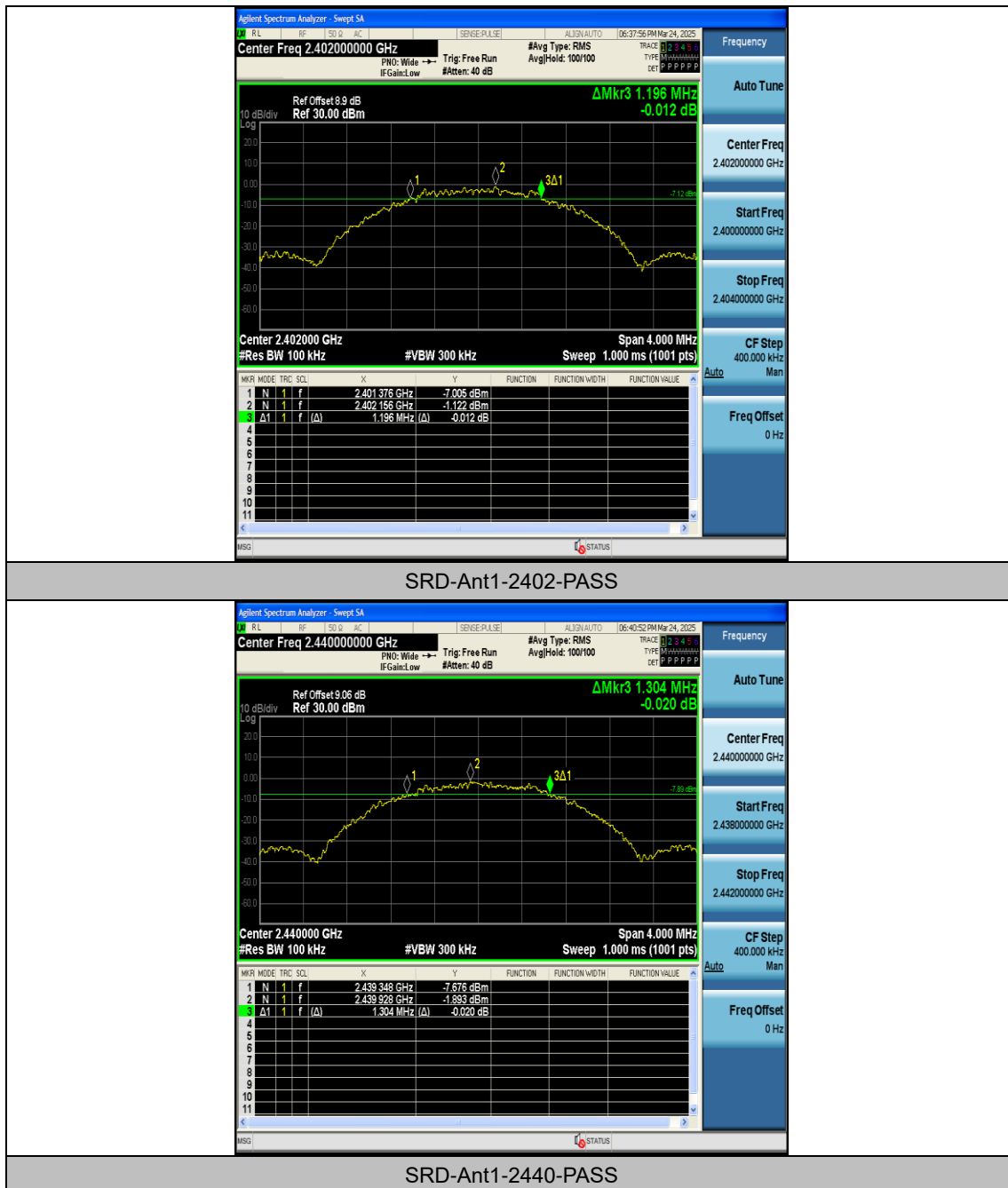
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

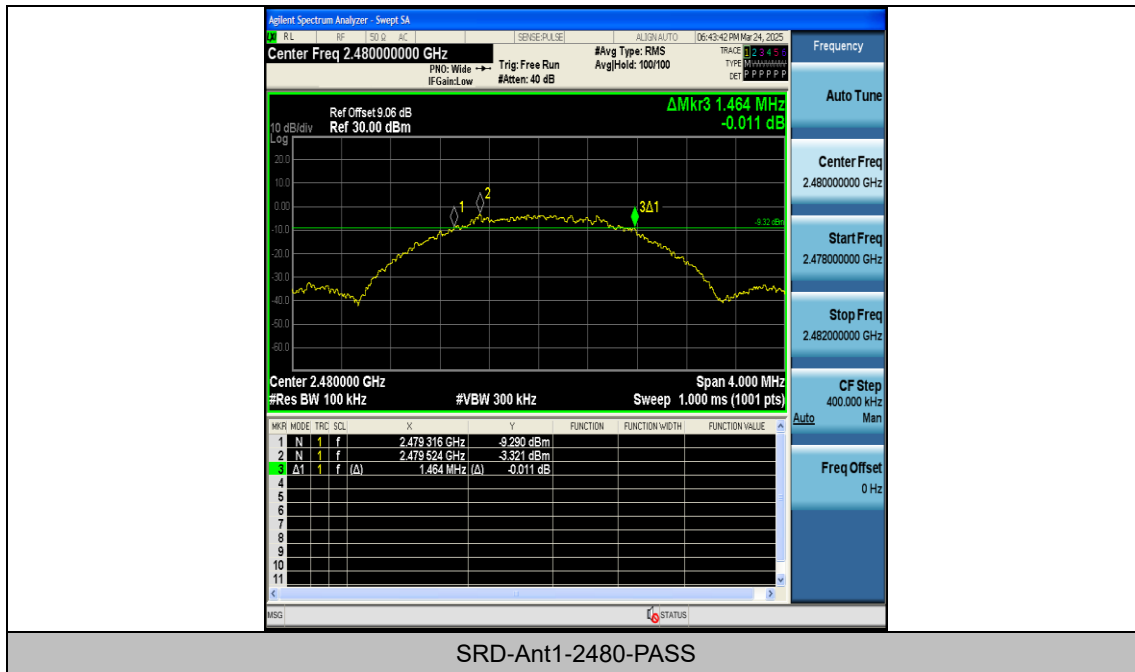
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.196	2401.376	2402.572	0.5	PASS
SRD	Ant1	2440	1.304	2439.348	2440.652	0.5	PASS
SRD	Ant1	2480	1.464	2479.316	2480.780	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	2.0437	2400.9860	2403.0297	---	---
SRD	Ant1	2440	2.0685	2438.9800	2441.0485	---	---
SRD	Ant1	2480	2.0583	2478.9598	2481.0181	---	---

Test Graphs



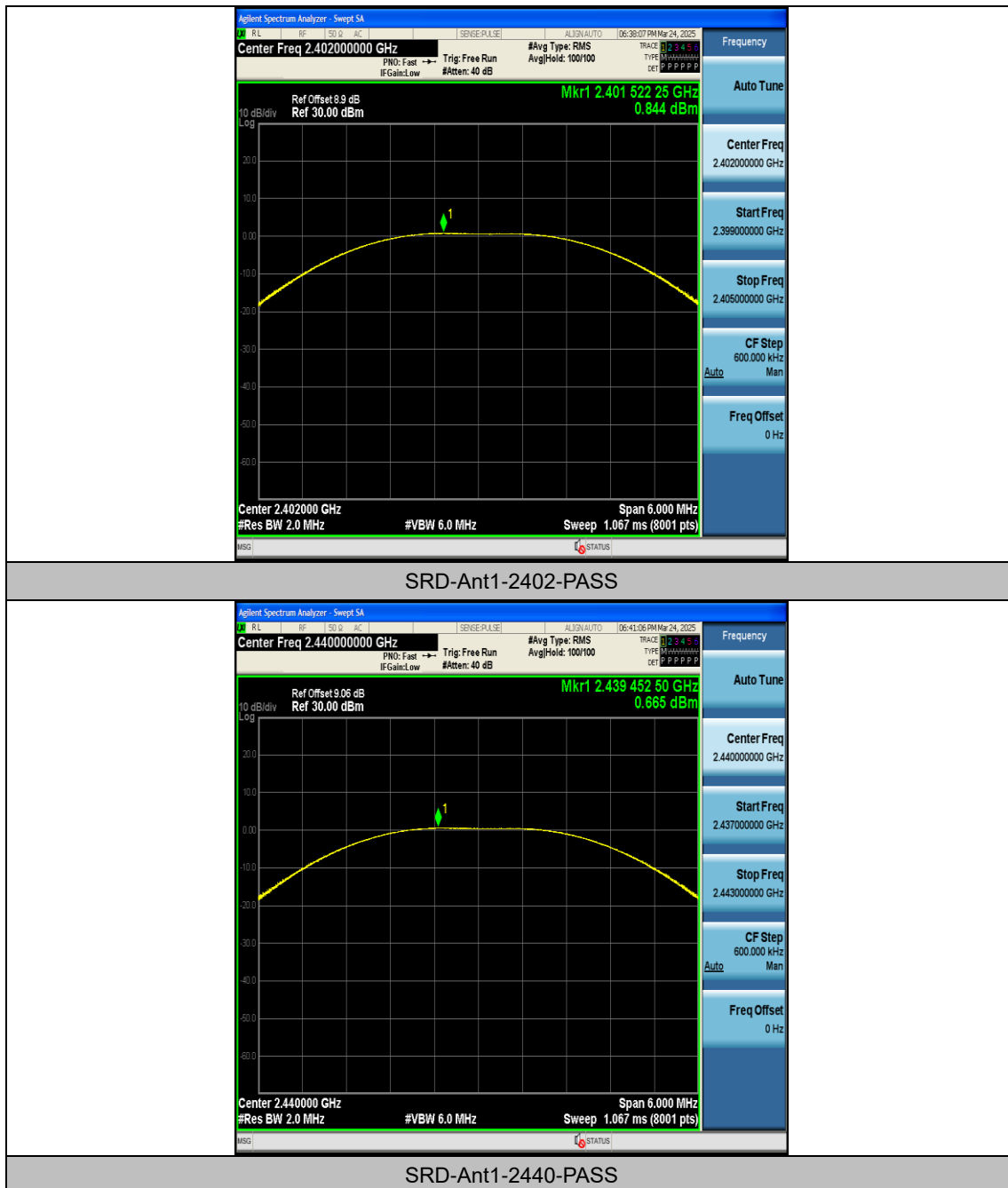


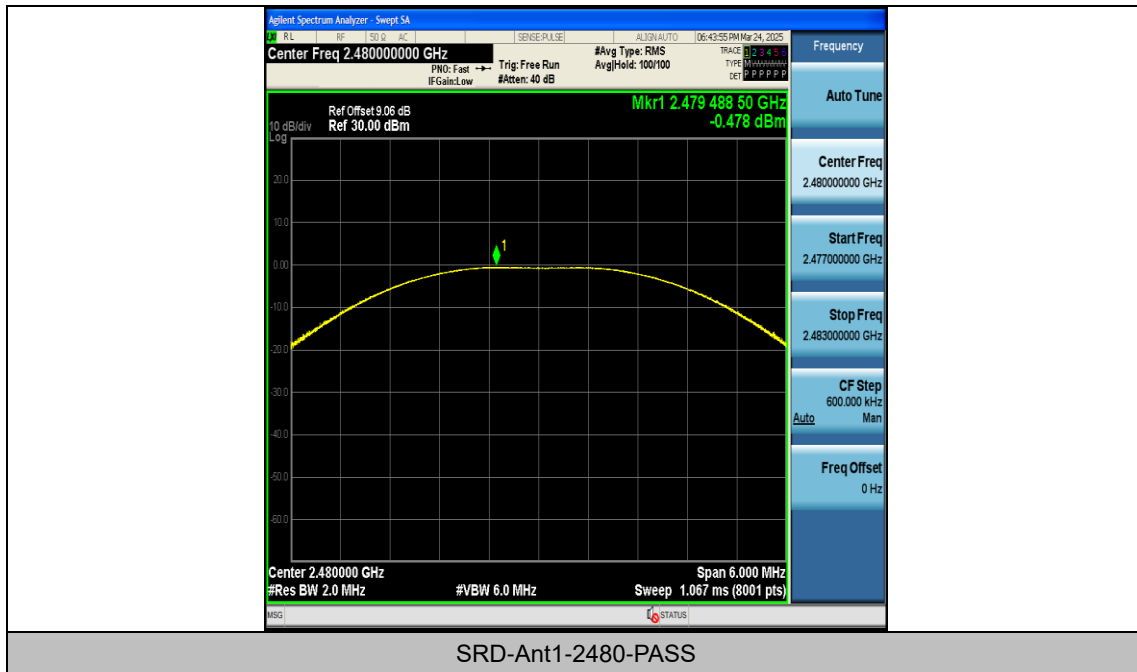
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2402	0.84	≤30	PASS
SRD	Ant1	2440	0.67	≤30	PASS
SRD	Ant1	2480	-0.48	≤30	PASS

Test Graphs Peak



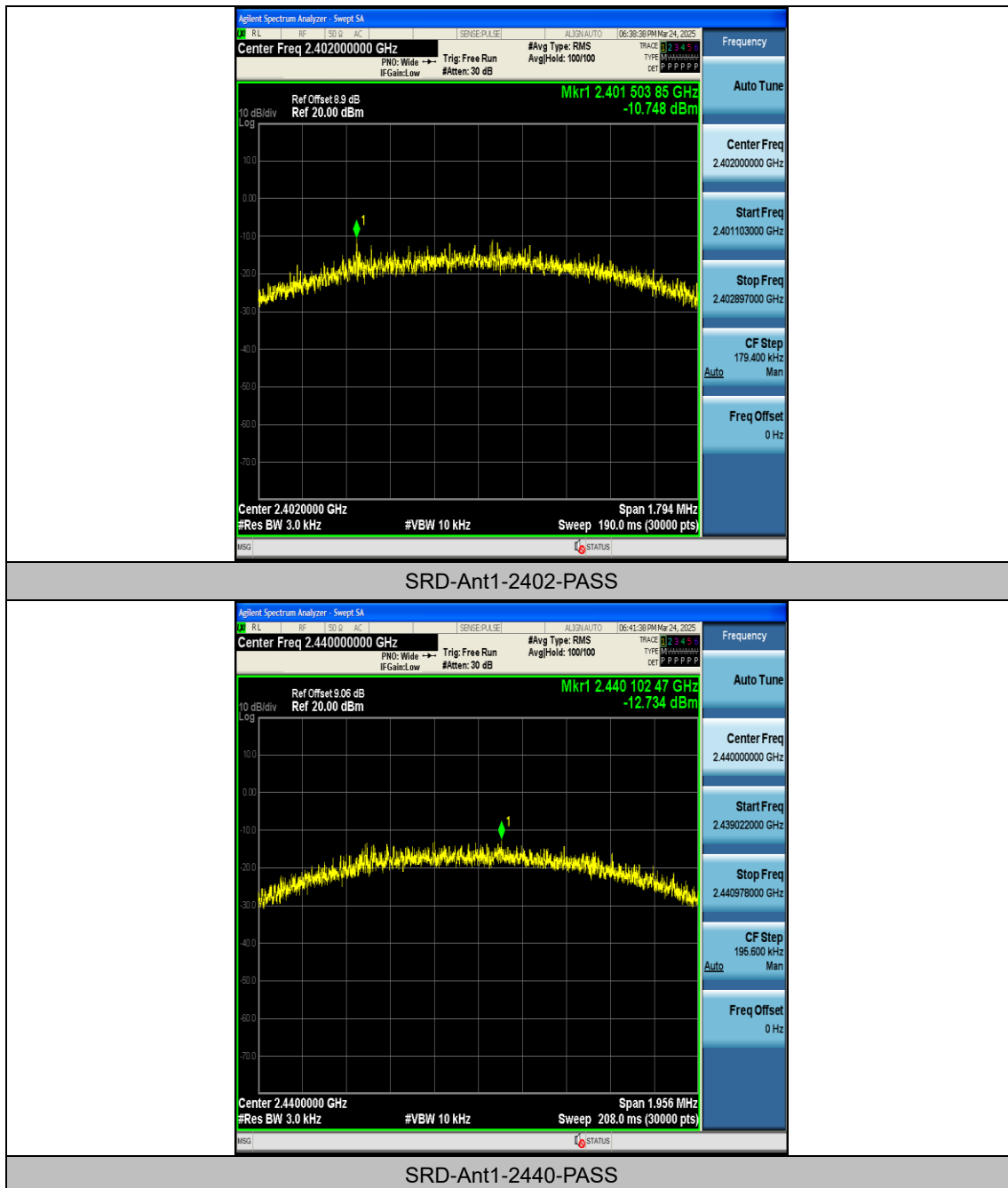


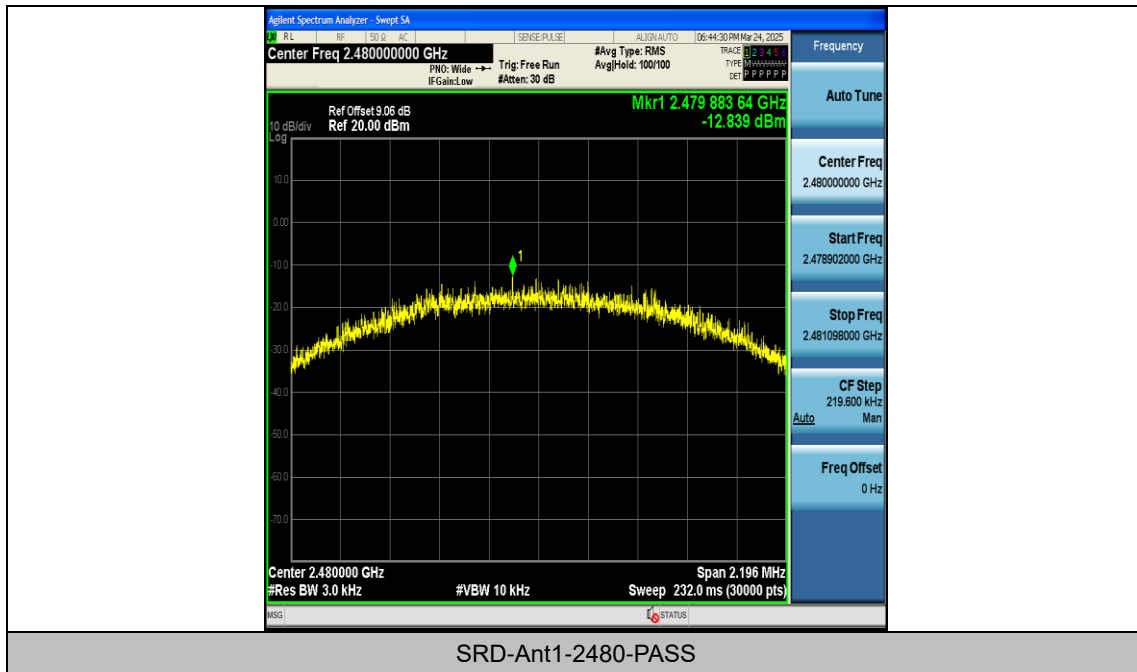
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2402	-10.75	≤8.00	PASS
SRD	Ant1	2440	-12.73	≤8.00	PASS
SRD	Ant1	2480	-12.84	≤8.00	PASS

Test Graphs



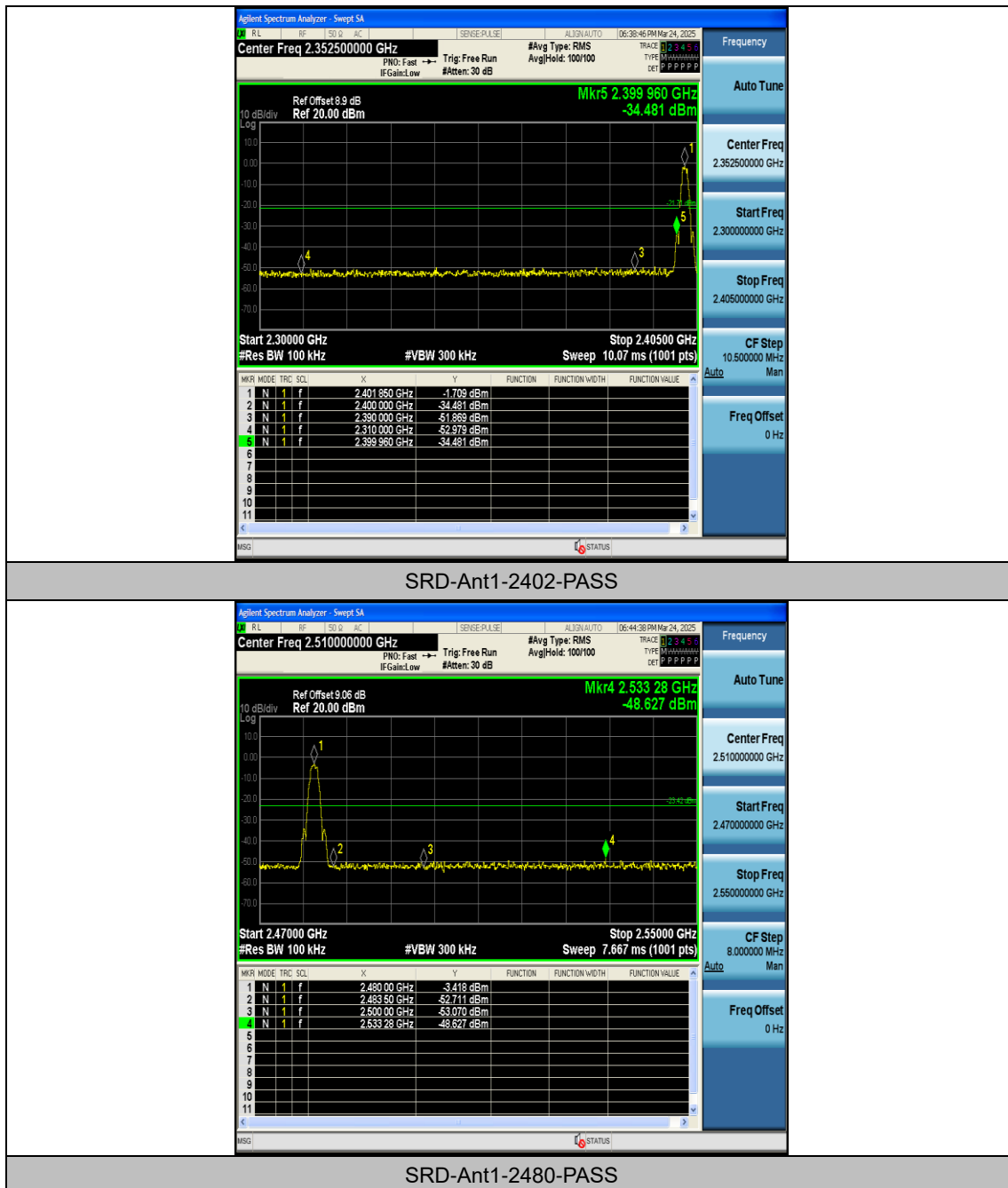


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2402	-1.71	-34.48	≤ -21.71	PASS
SRD	Ant1	High	2480	-3.42	-48.63	≤ -23.42	PASS

Test Graphs

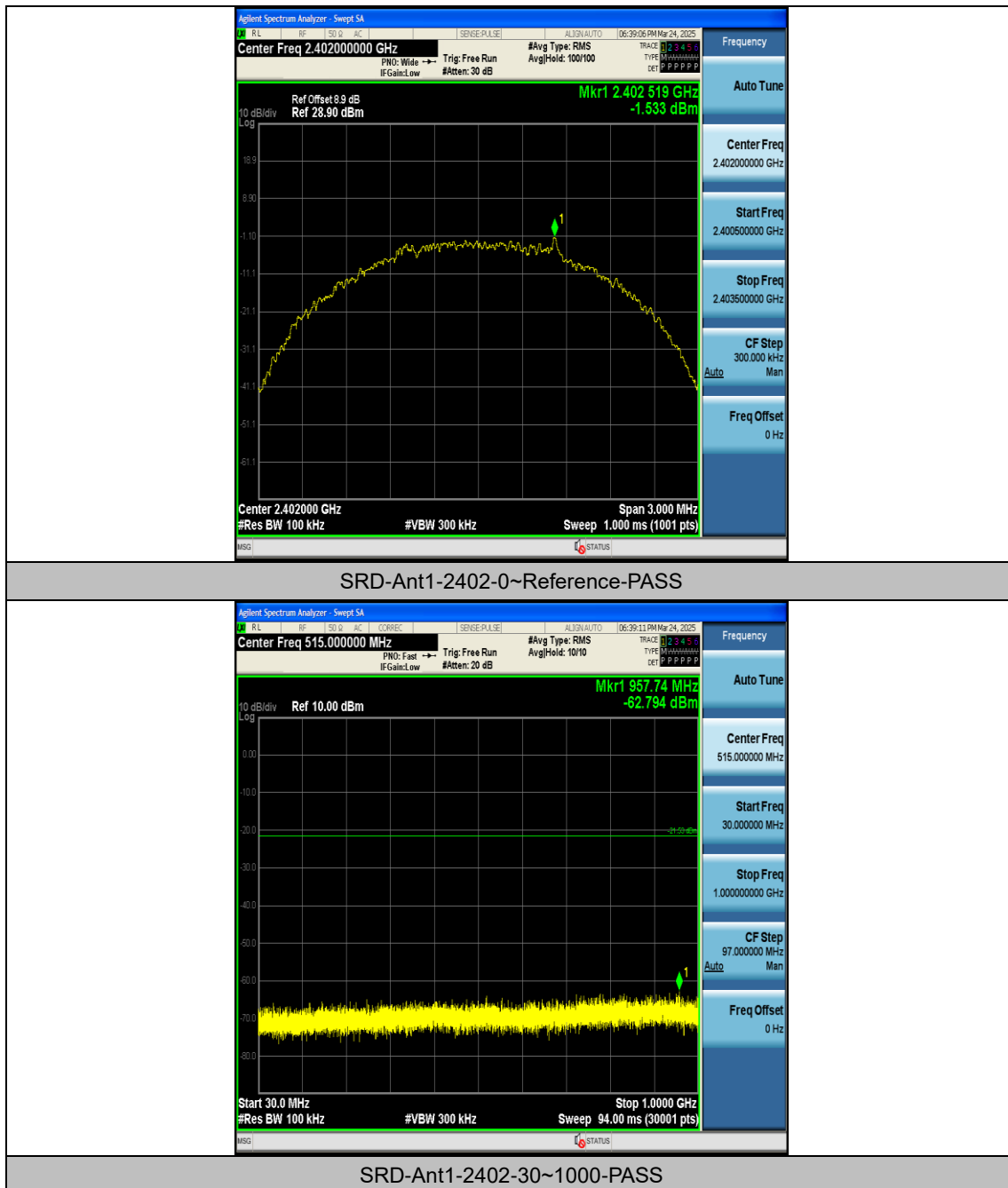


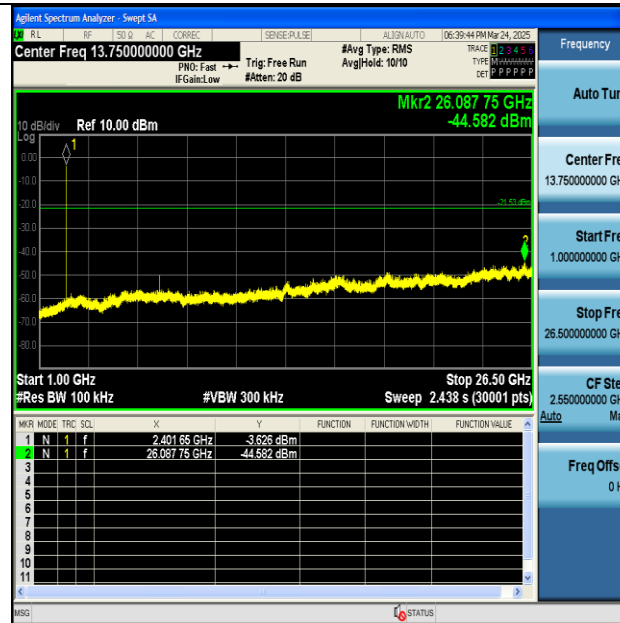
Appendix F: Conducted Spurious Emission

Test Result

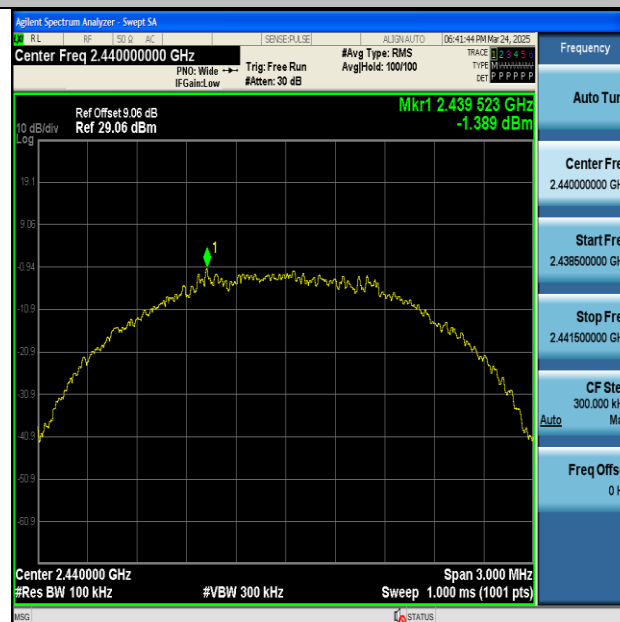
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2402	0~Reference	-1.53	-1.53	---	PASS
SRD	Ant1	2402	30~1000	-1.53	-62.79	≤-21.53	PASS
SRD	Ant1	2402	1000~26500	-1.53	-44.58	≤-21.53	PASS
SRD	Ant1	2440	0~Reference	-1.39	-1.39	---	PASS
SRD	Ant1	2440	30~1000	-1.39	-63.25	≤-21.39	PASS
SRD	Ant1	2440	1000~26500	-1.39	-45.06	≤-21.39	PASS
SRD	Ant1	2480	0~Reference	-3.12	-3.12	---	PASS
SRD	Ant1	2480	30~1000	-3.12	-62.48	≤-23.12	PASS
SRD	Ant1	2480	1000~26500	-3.12	-45.22	≤-23.12	PASS

Test Graphs

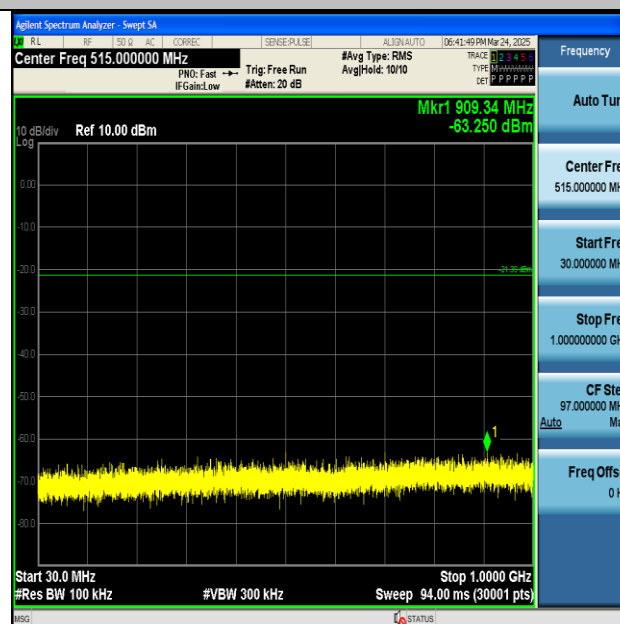




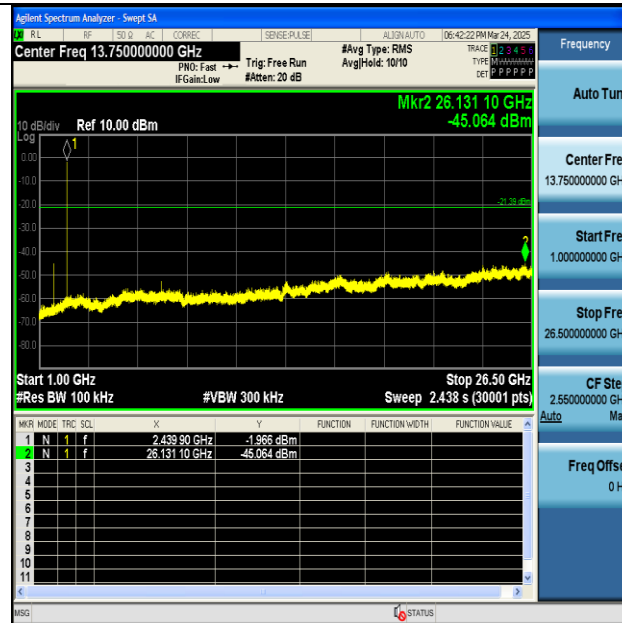
SRD-Ant1-2402-1000~26500-PASS



SRD-Ant1-2440-0~Reference-PASS



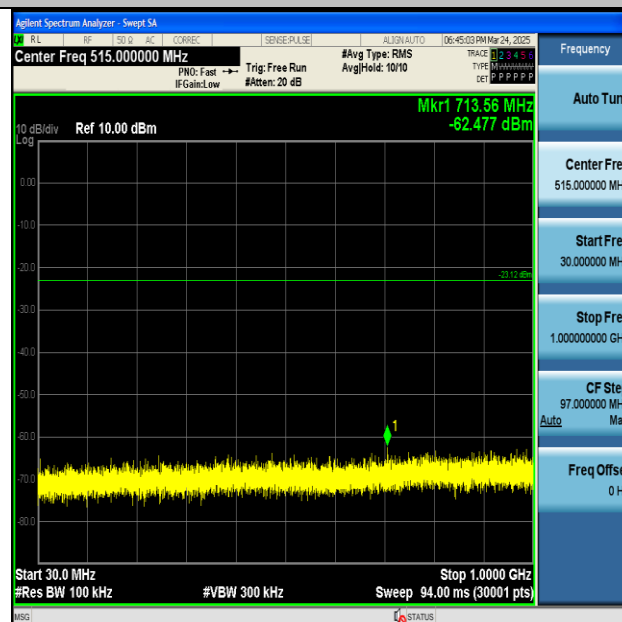
SRD-Ant1-2440-30~1000-PASS



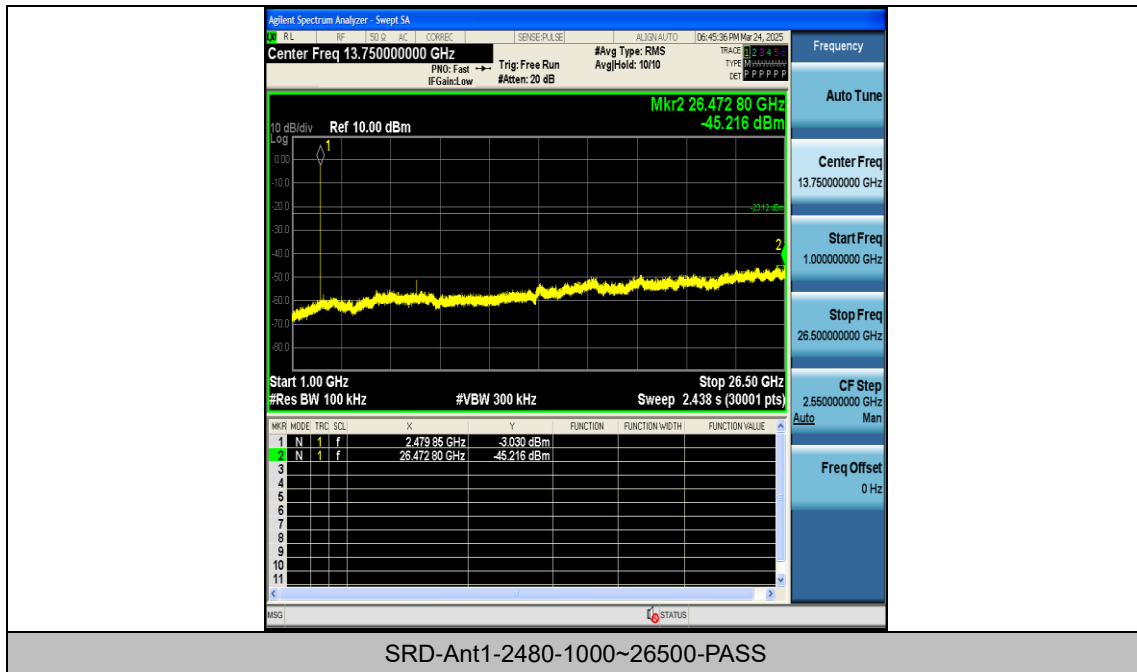
SRD-Ant1-2440-1000~26500-PASS



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]
BLE_1M	Ant1	2402	19.00	19.00	100.00	0.00
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

