

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Mechanical Keyboard

Trade Mark: Keychron

Test Model: Q15 Max

FCC ID: 2BGKB-Q15MAX

Environmental Conditions

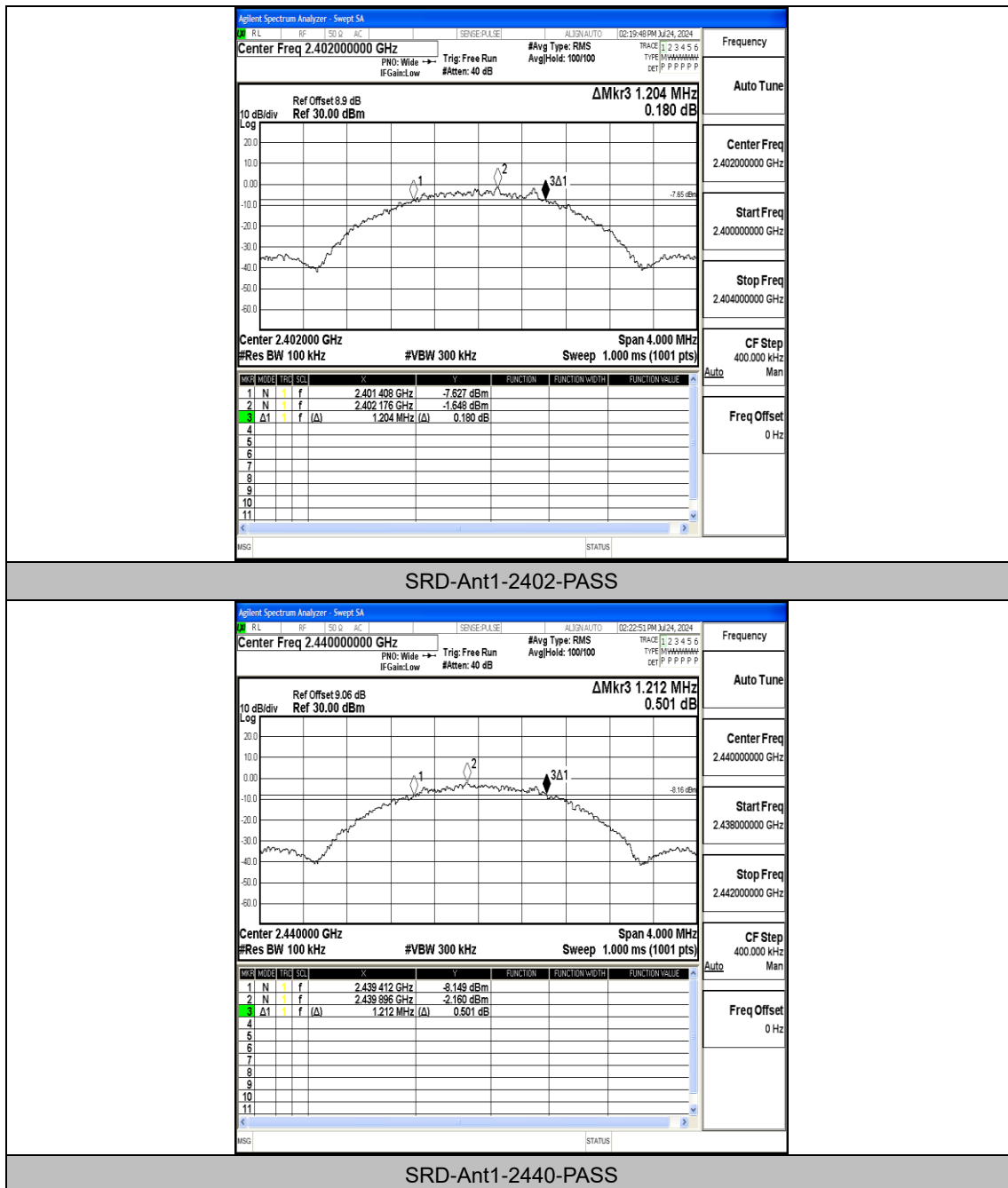
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

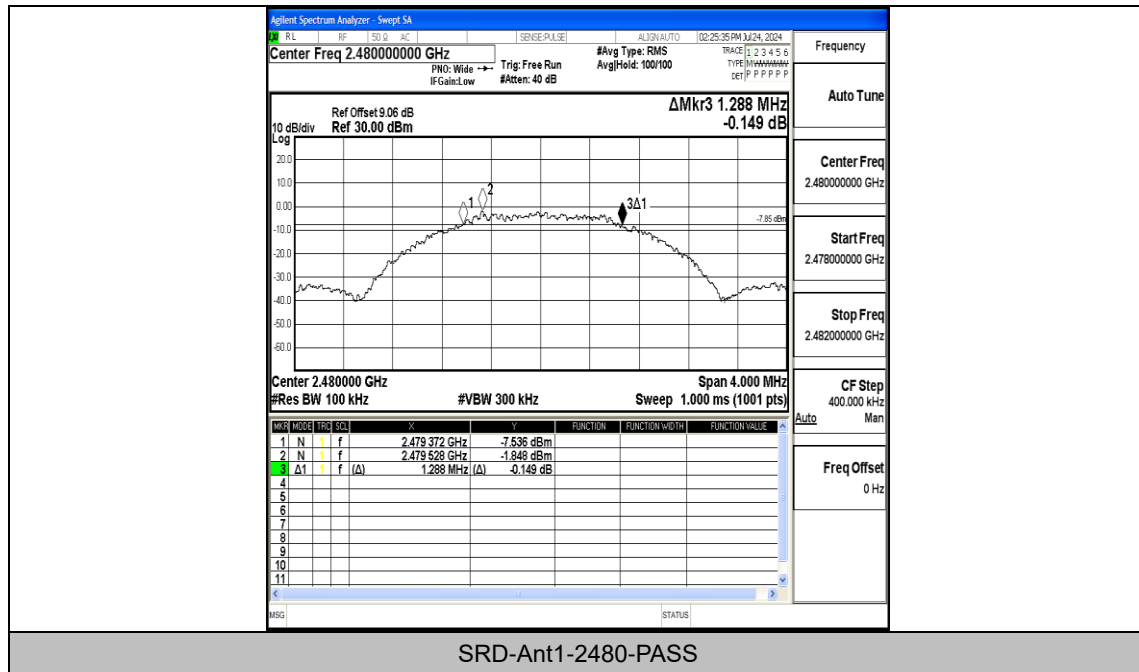
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.204	2401.408	2402.612	0.5	PASS
SRD	Ant1	2440	1.212	2439.412	2440.624	0.5	PASS
SRD	Ant1	2480	1.288	2479.372	2480.660	0.5	PASS

Test Graphs



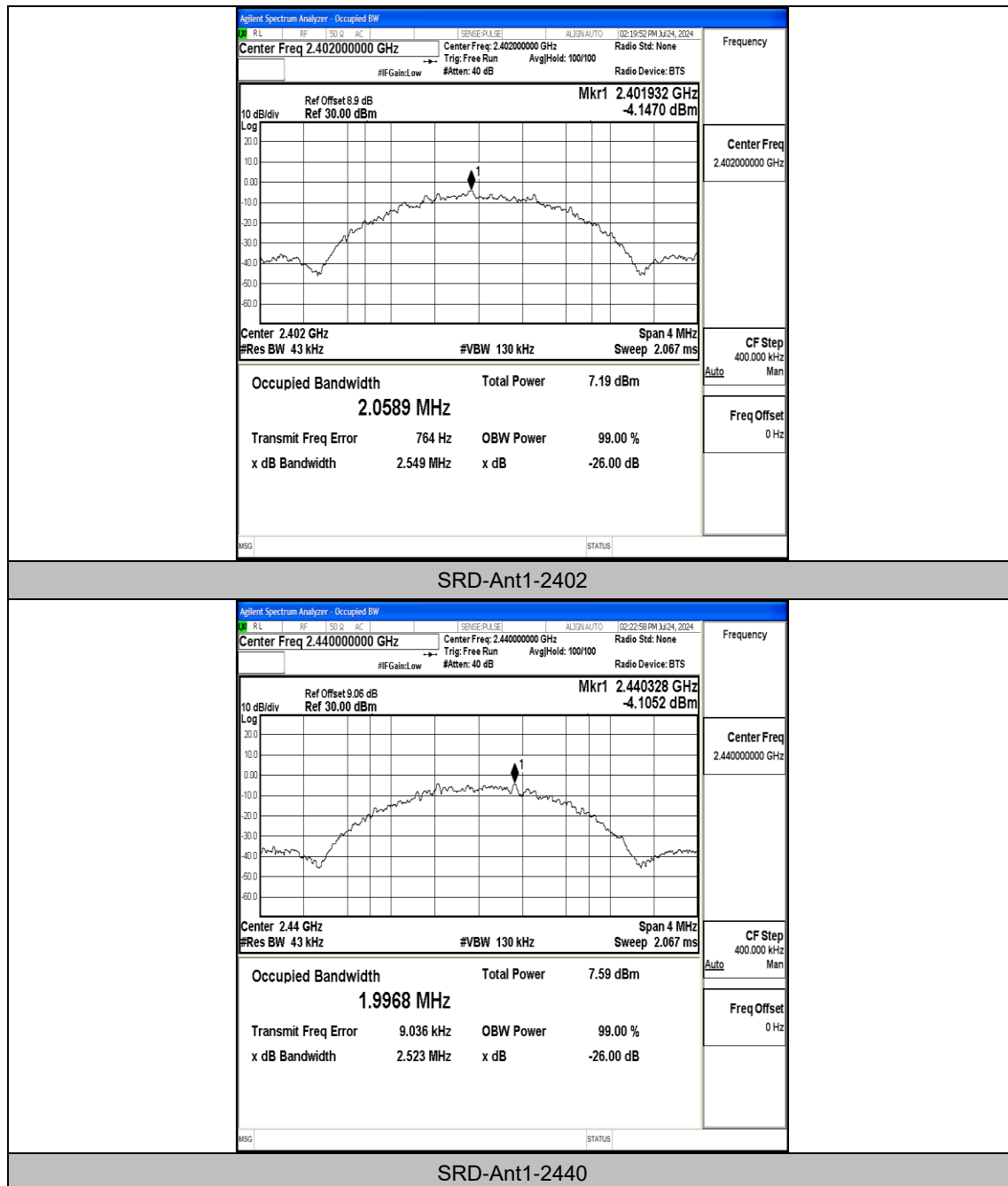


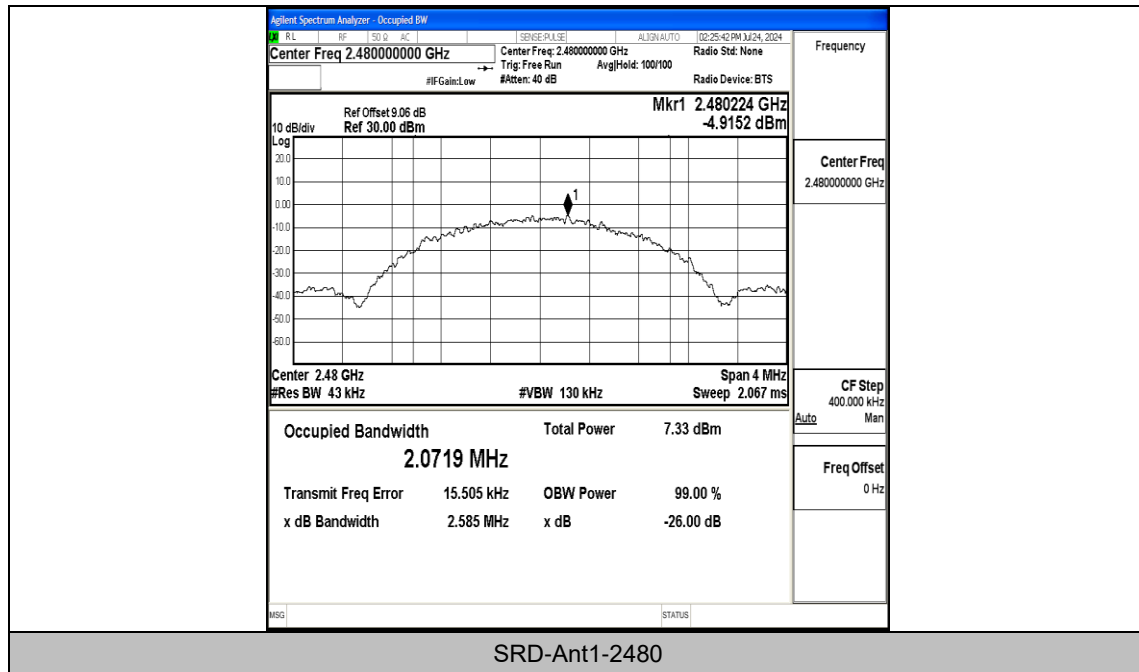
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	2.0589	2400.9713	2403.0302	---	---
SRD	Ant1	2440	1.9968	2439.0106	2441.0074	---	---
SRD	Ant1	2480	2.0719	2478.9796	2481.0515	---	---

Test Graphs



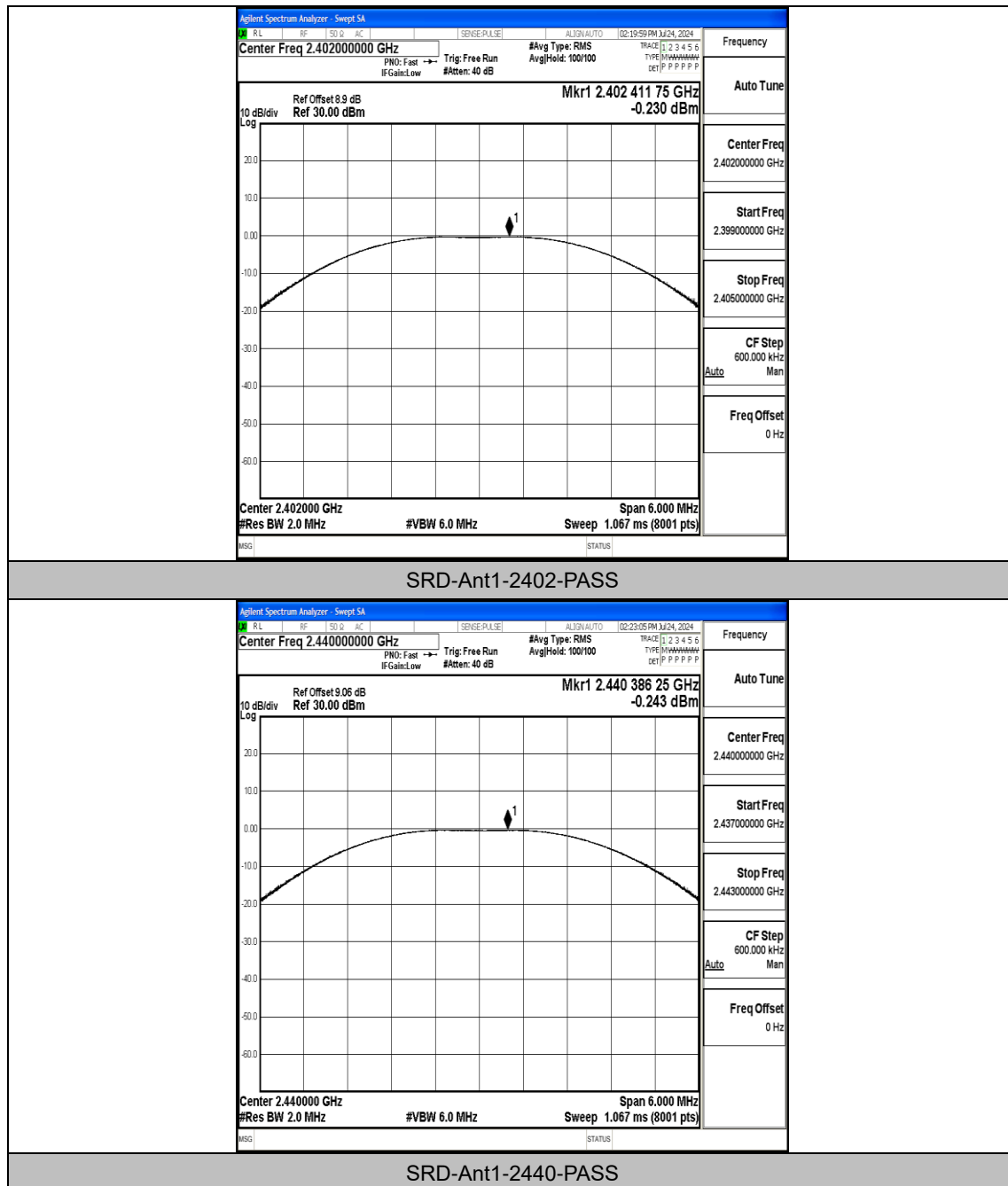


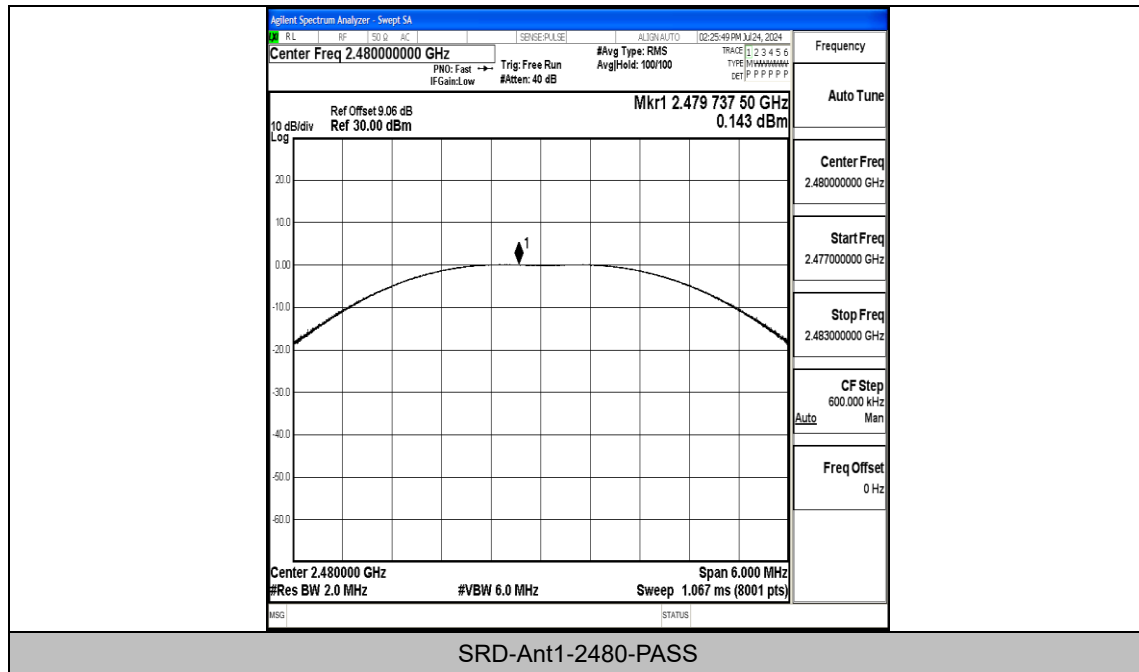
Appendix C: Maximum peak conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2402	-0.23	≤30	PASS
SRD	Ant1	2440	-0.24	≤30	PASS
SRD	Ant1	2480	0.14	≤30	PASS

Test Graphs Peak



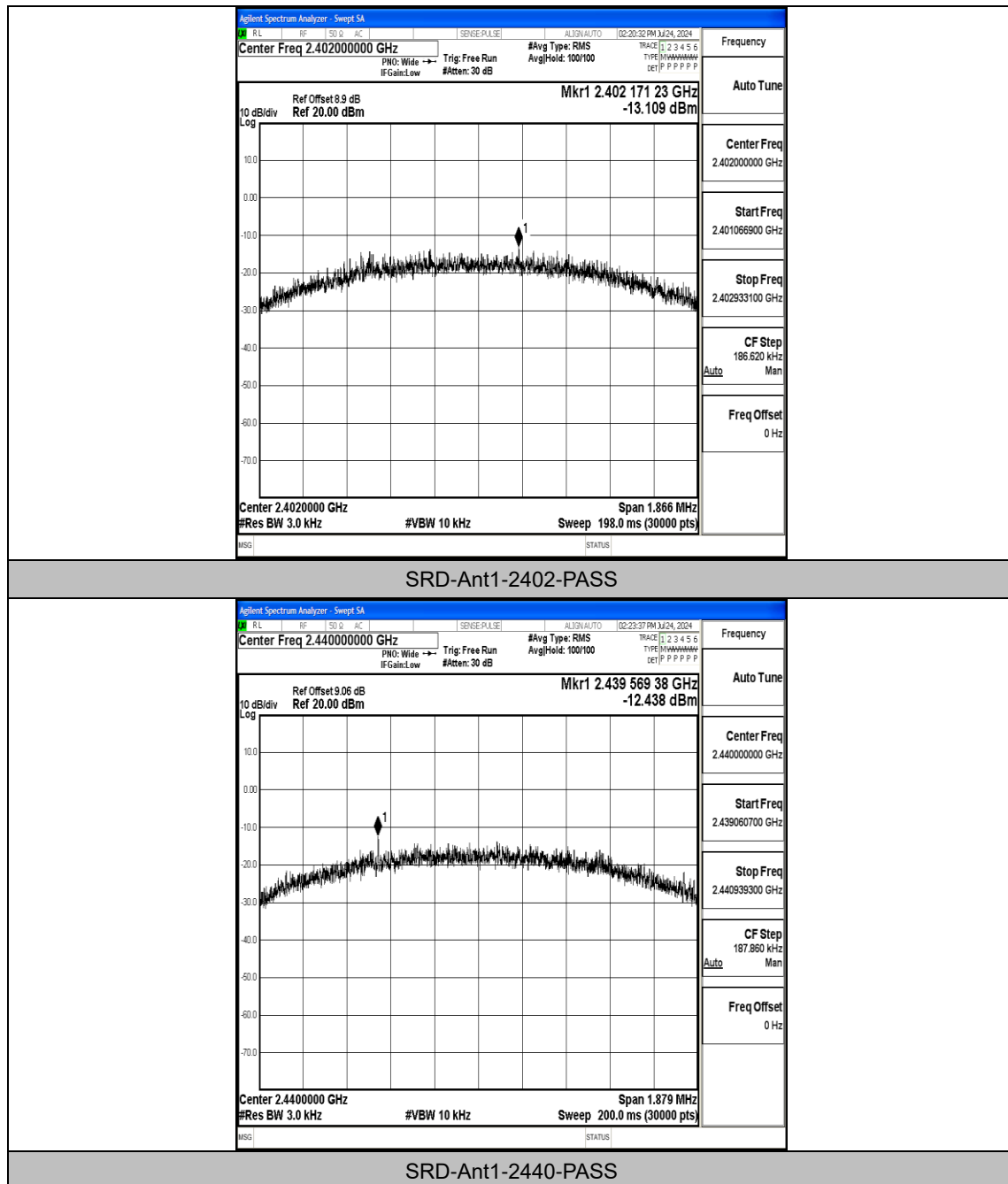


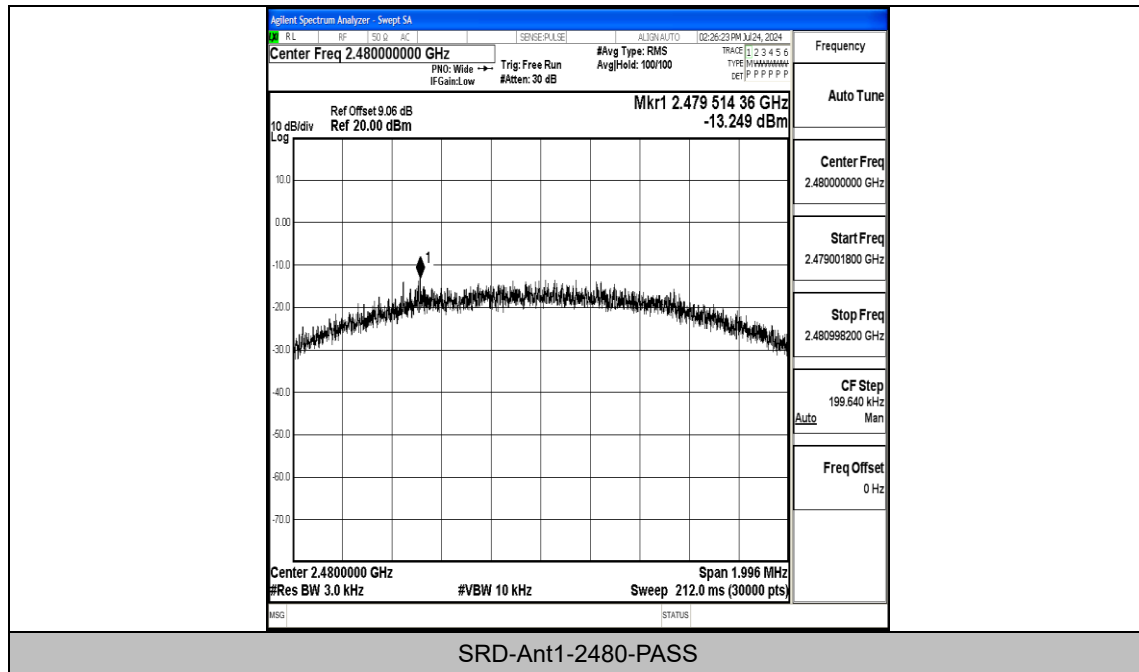
Appendix D: Maximum peak power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-13.11	≤8.00	PASS
SRD	Ant1	2440	-12.44	≤8.00	PASS
SRD	Ant1	2480	-13.25	≤8.00	PASS

Test Graphs



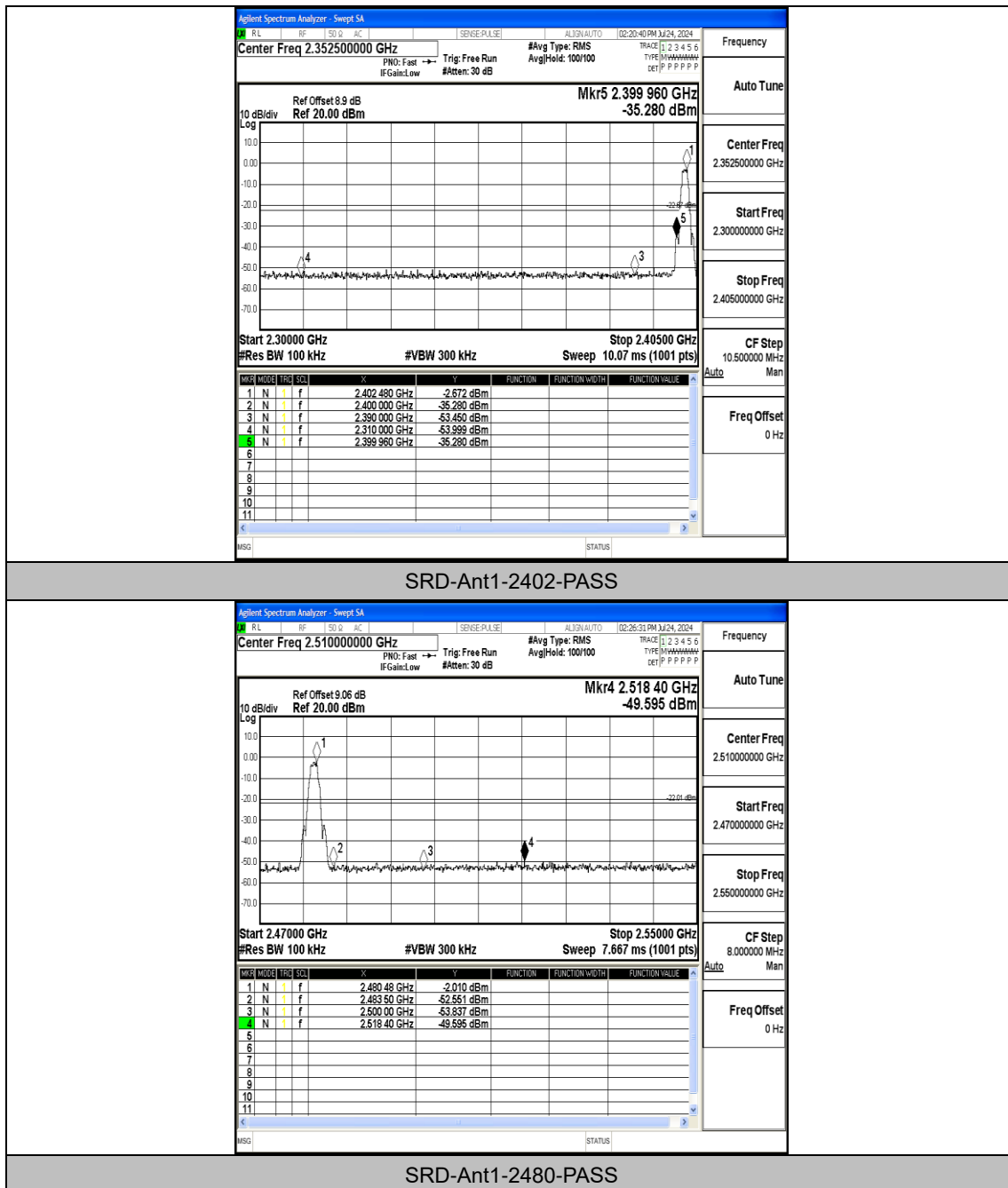


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-2.67	-35.28	≤-22.67	PASS
SRD	Ant1	High	2480	-2.01	-49.6	≤-22.01	PASS

Test Graphs

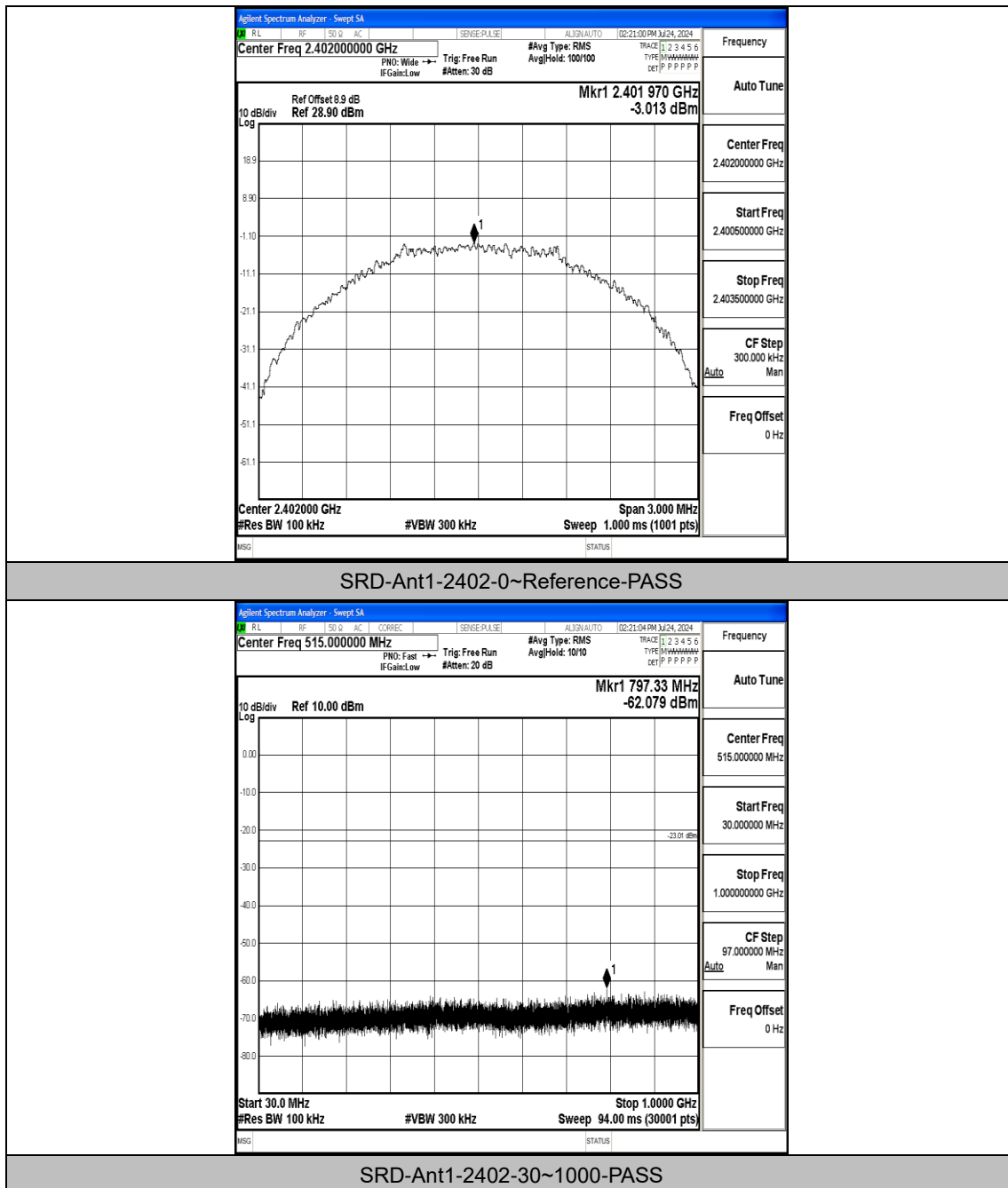


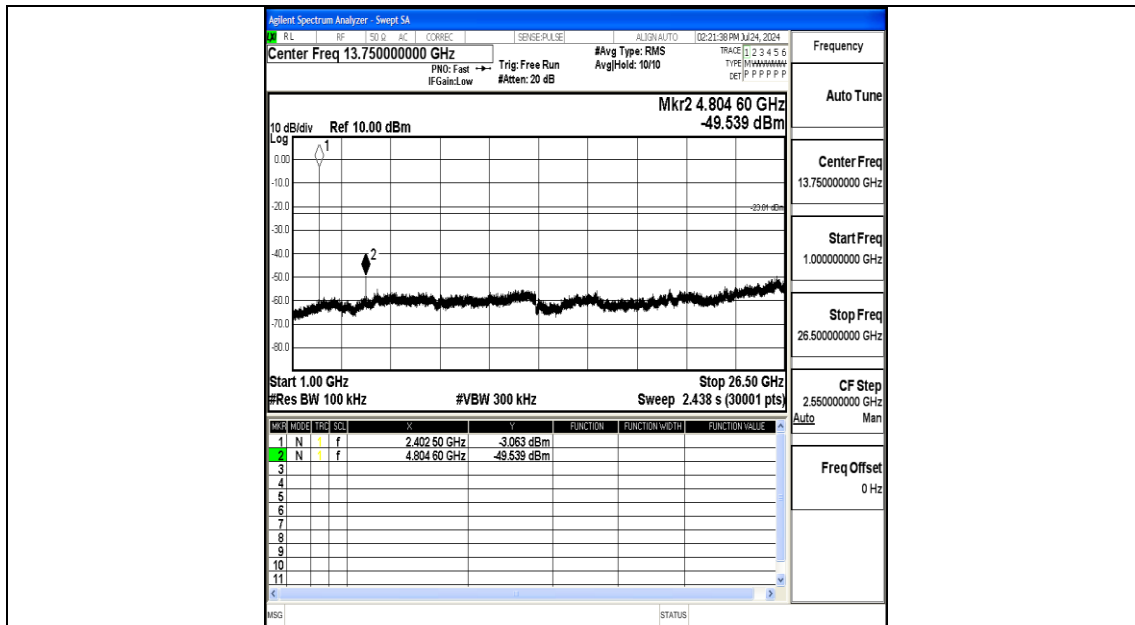
Appendix F: Conducted Spurious Emission

Test Result

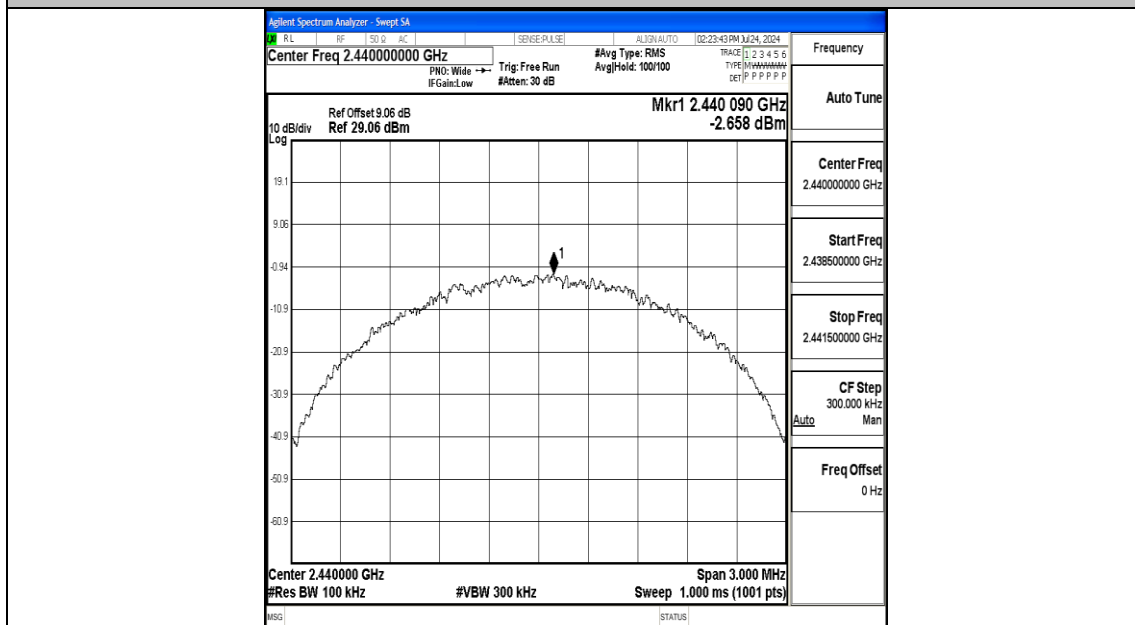
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	0~Reference	-3.01	-3.01	---	PASS
SRD	Ant1	2402	30~1000	-3.01	-62.08	≤-23.01	PASS
SRD	Ant1	2402	1000~26500	-3.01	-49.54	≤-23.01	PASS
SRD	Ant1	2440	0~Reference	-2.66	-2.66	---	PASS
SRD	Ant1	2440	30~1000	-2.66	-62.64	≤-22.66	PASS
SRD	Ant1	2440	1000~26500	-2.66	-50.32	≤-22.66	PASS
SRD	Ant1	2480	0~Reference	-2.41	-2.41	---	PASS
SRD	Ant1	2480	30~1000	-2.41	-62.04	≤-22.41	PASS
SRD	Ant1	2480	1000~26500	-2.41	-50.74	≤-22.41	PASS

Test Graphs

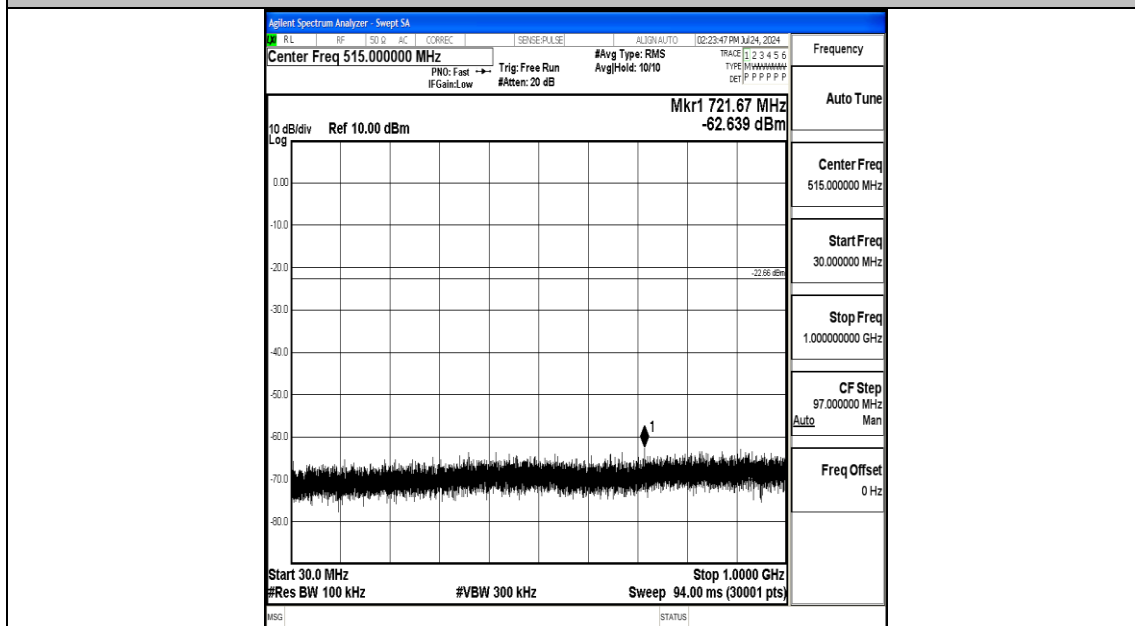




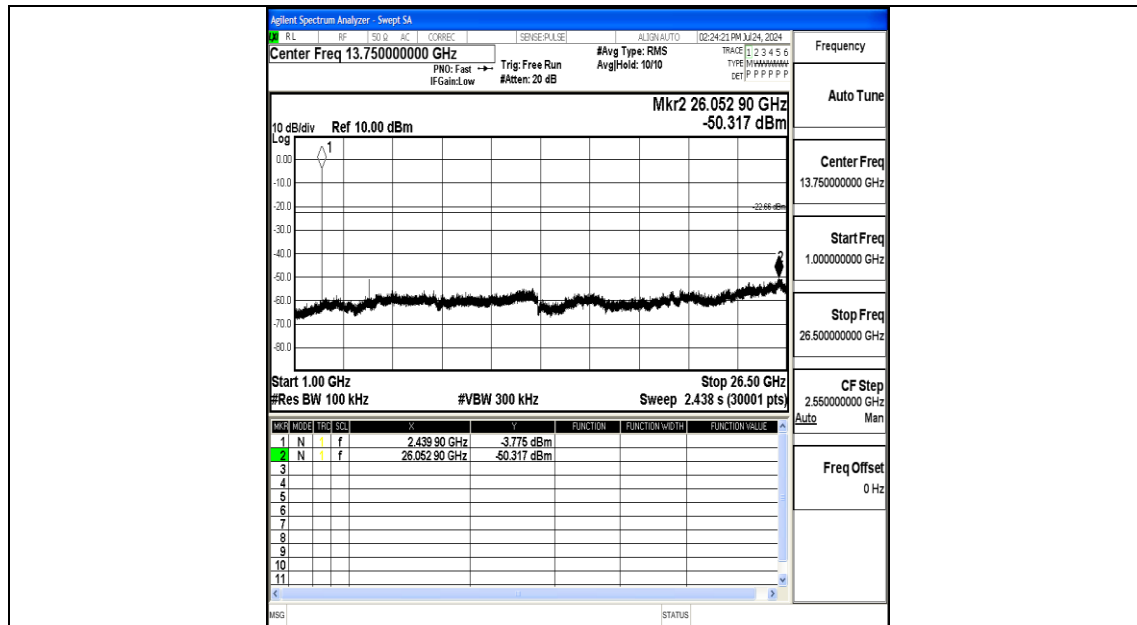
SRD-Ant1-2402-1000~26500-PASS



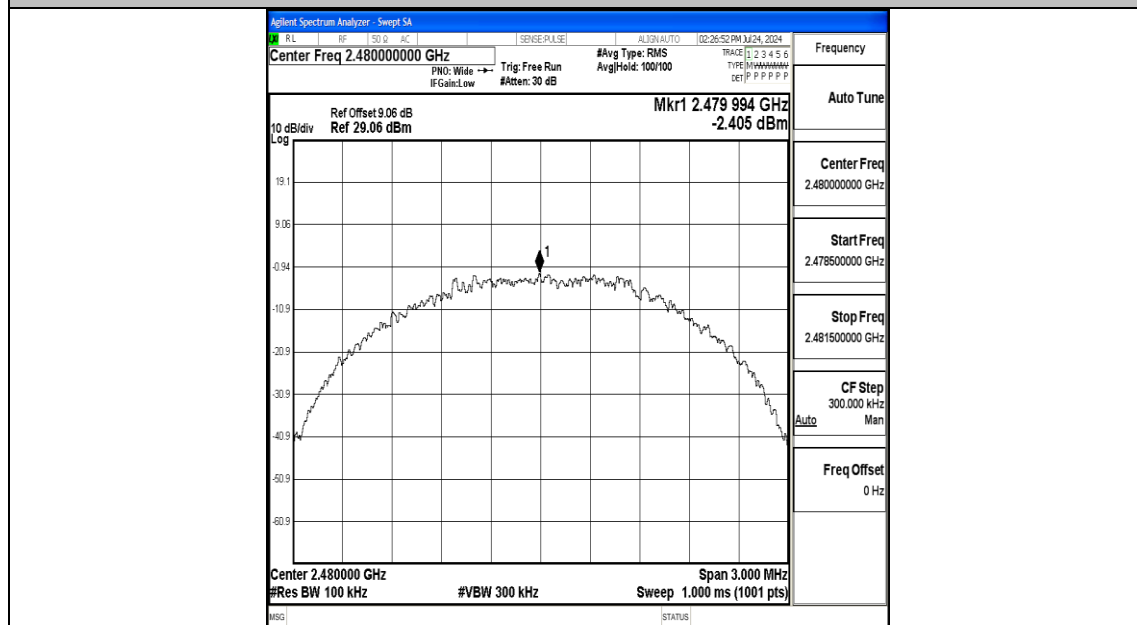
SRD-Ant1-2440-0~Reference-PASS



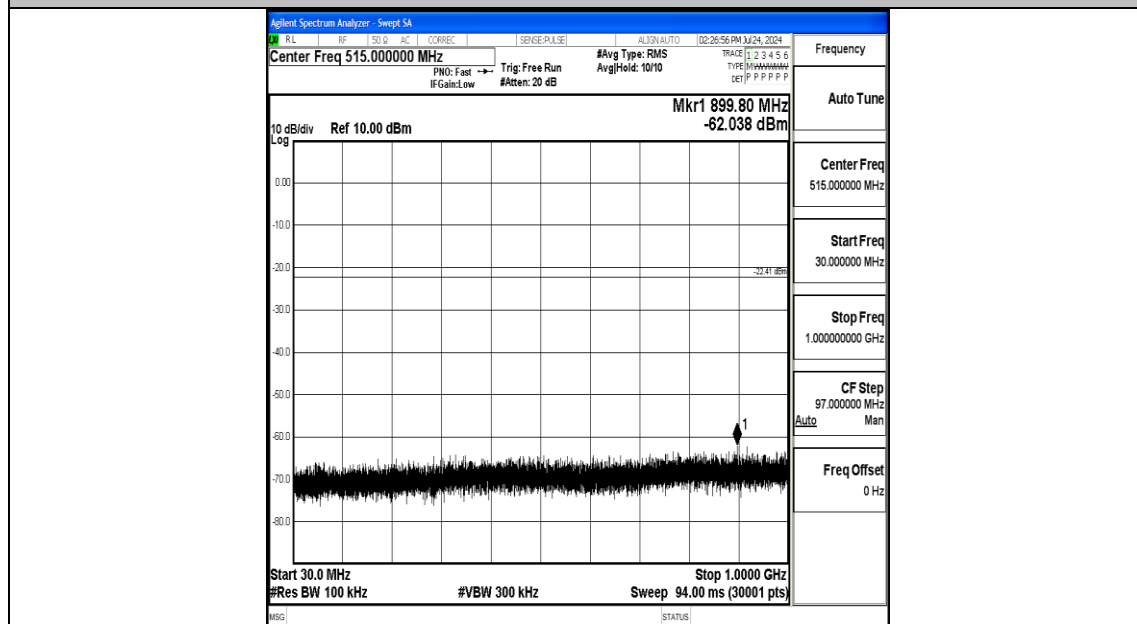
SRD-Ant1-2440-30~1000-PASS



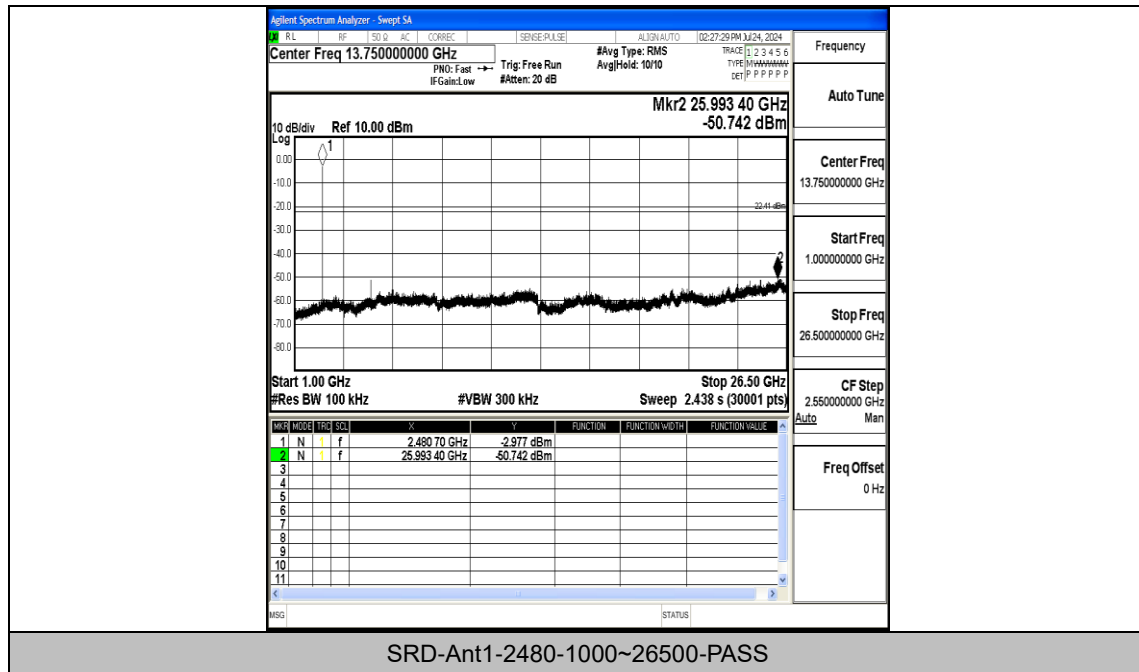
SRD-Ant1-2440-1000~26500-PASS



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

