

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: Keychron

Test Model: K2 HE

FCC ID: 2BGKB-K2HE

Environmental Conditions

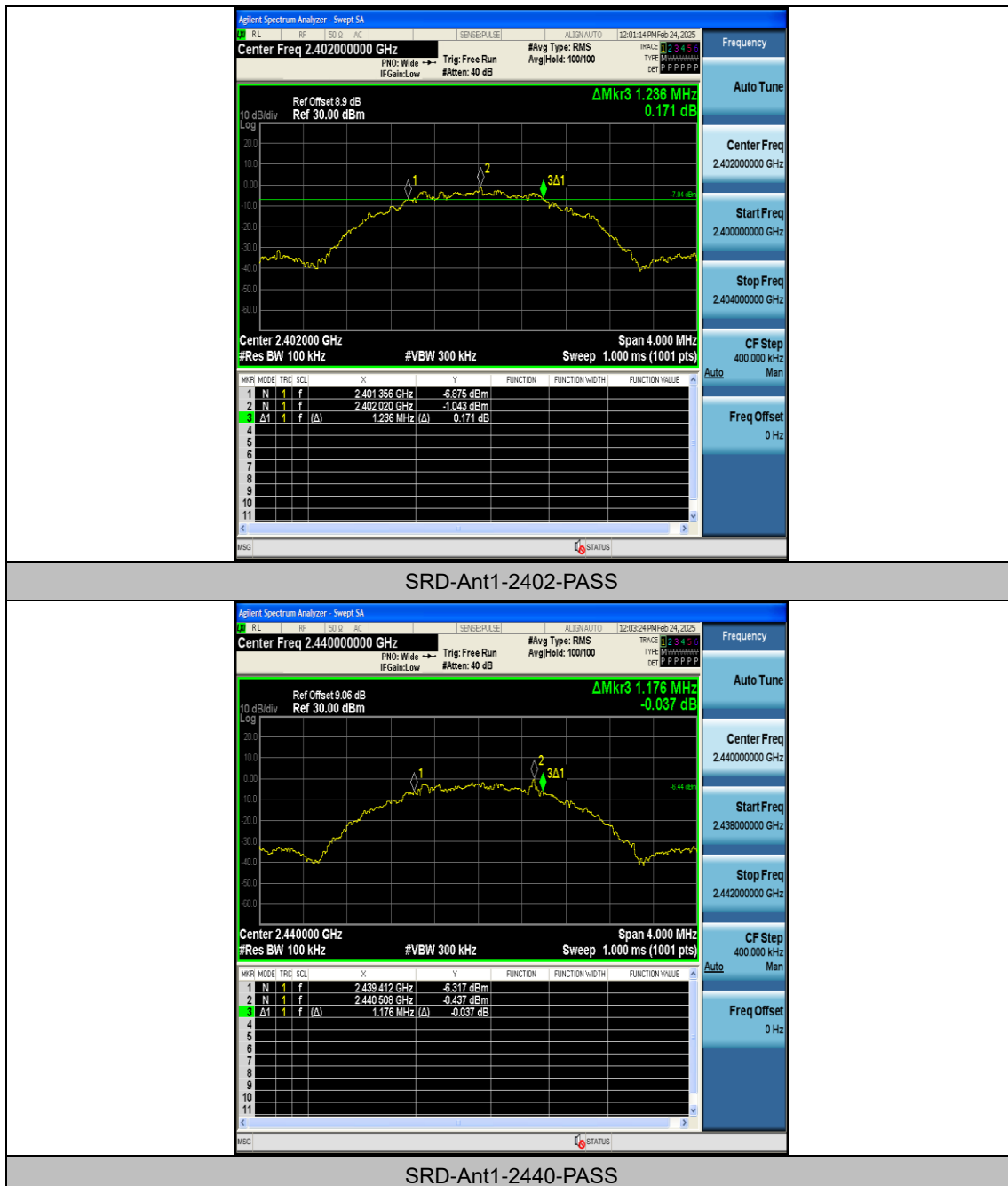
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

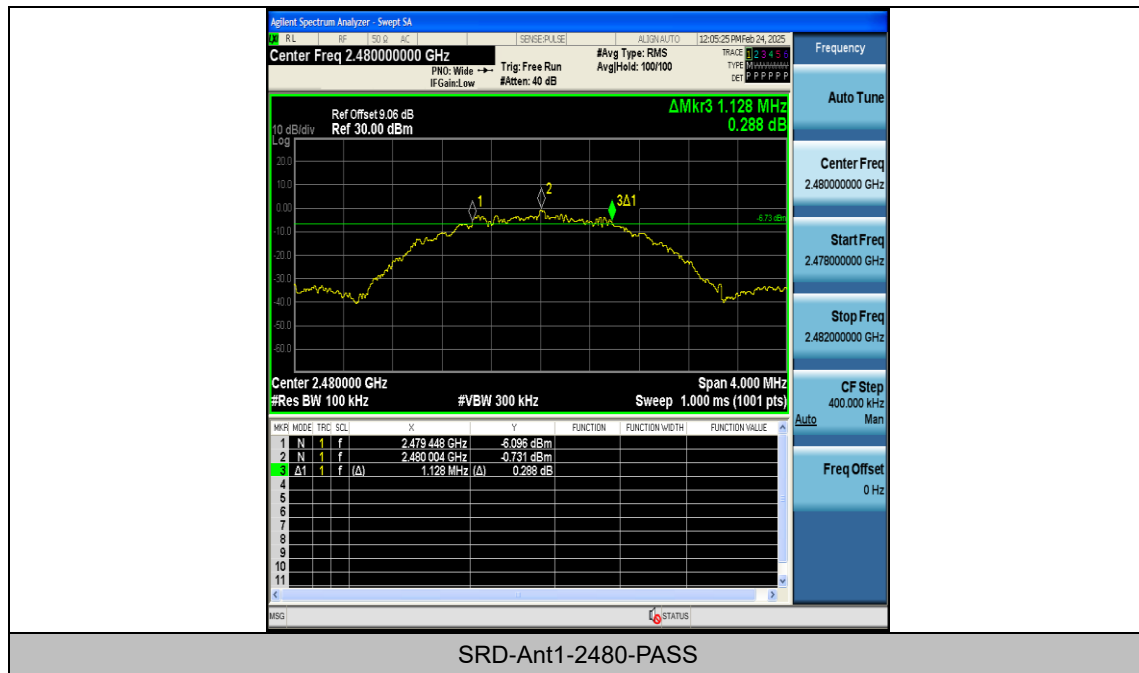
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.236	2401.356	2402.592	0.5	PASS
SRD	Ant1	2440	1.176	2439.412	2440.588	0.5	PASS
SRD	Ant1	2480	1.128	2479.448	2480.576	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	2.0717	2400.9835	2403.0552	---	---
SRD	Ant1	2440	2.0708	2438.9878	2441.0586	---	---
SRD	Ant1	2480	2.0688	2478.9832	2481.0520	---	---

Test Graphs



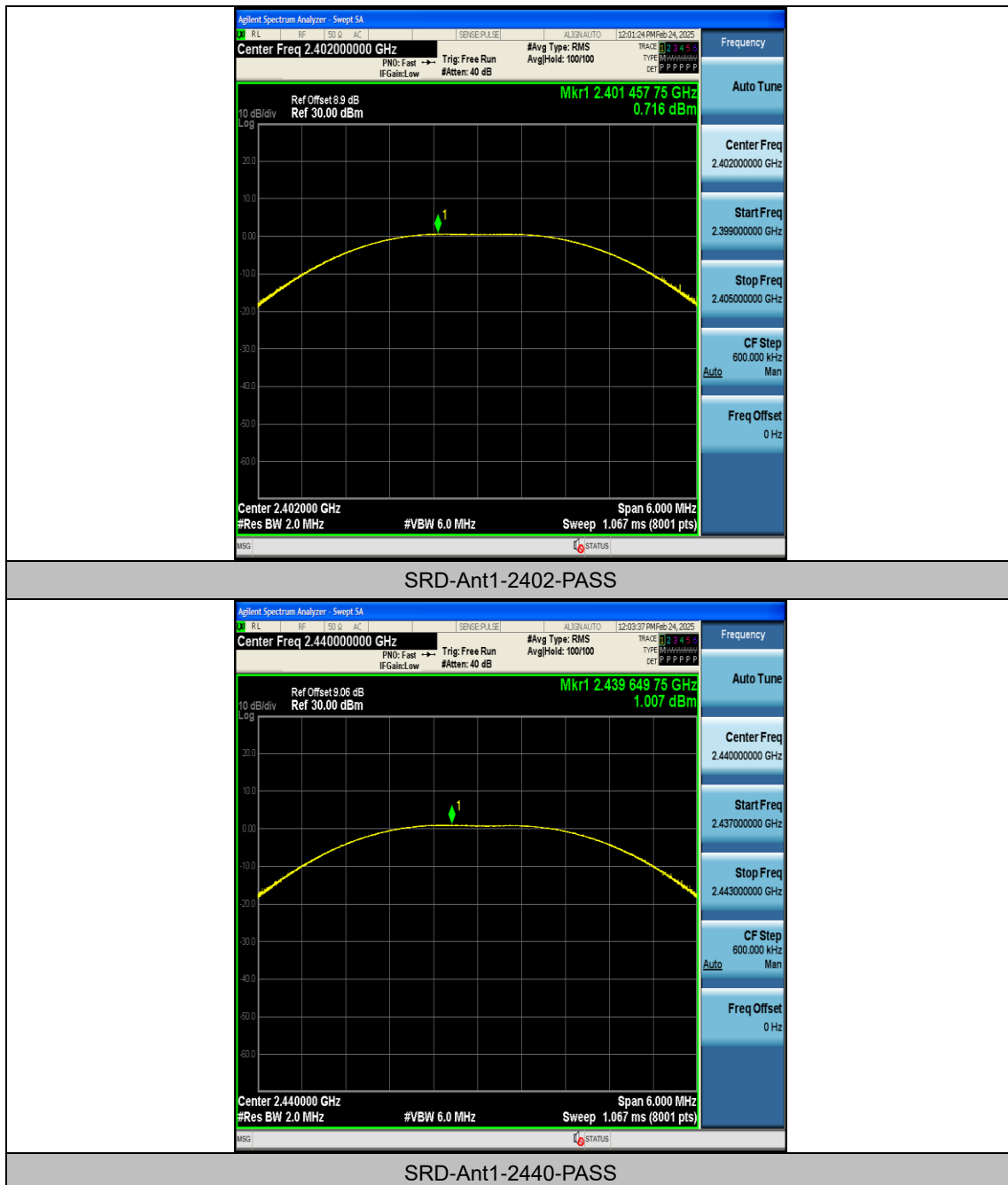


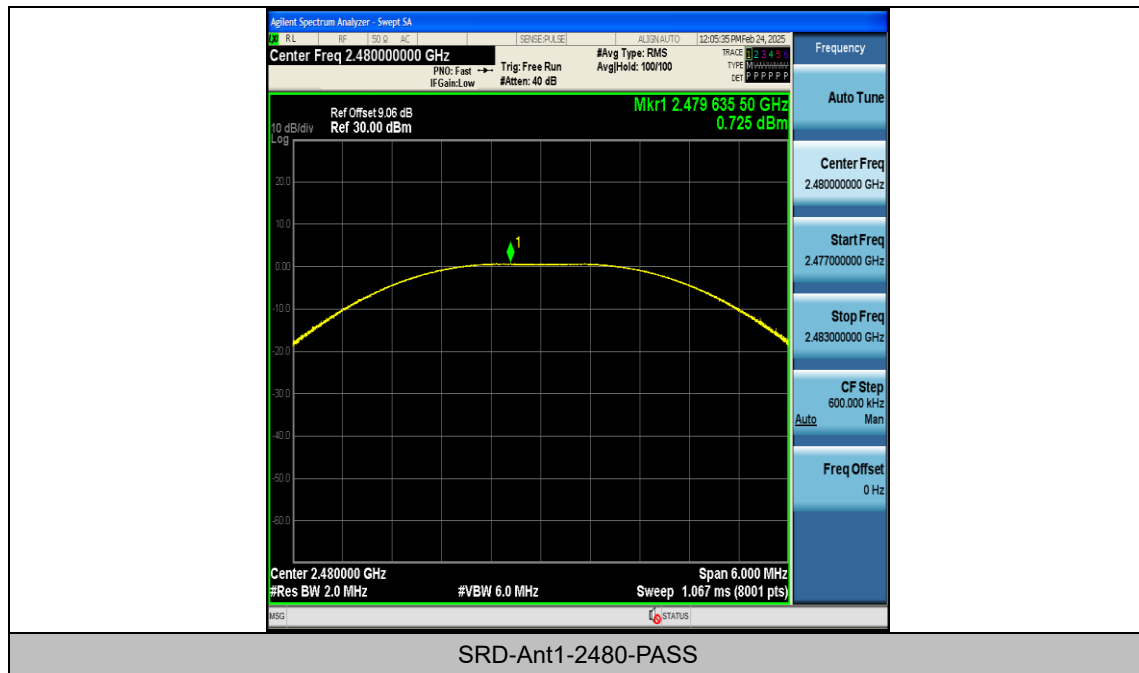
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2402	0.72	≤30	PASS
SRD	Ant1	2440	1.01	≤30	PASS
SRD	Ant1	2480	0.73	≤30	PASS

Test Graphs Peak



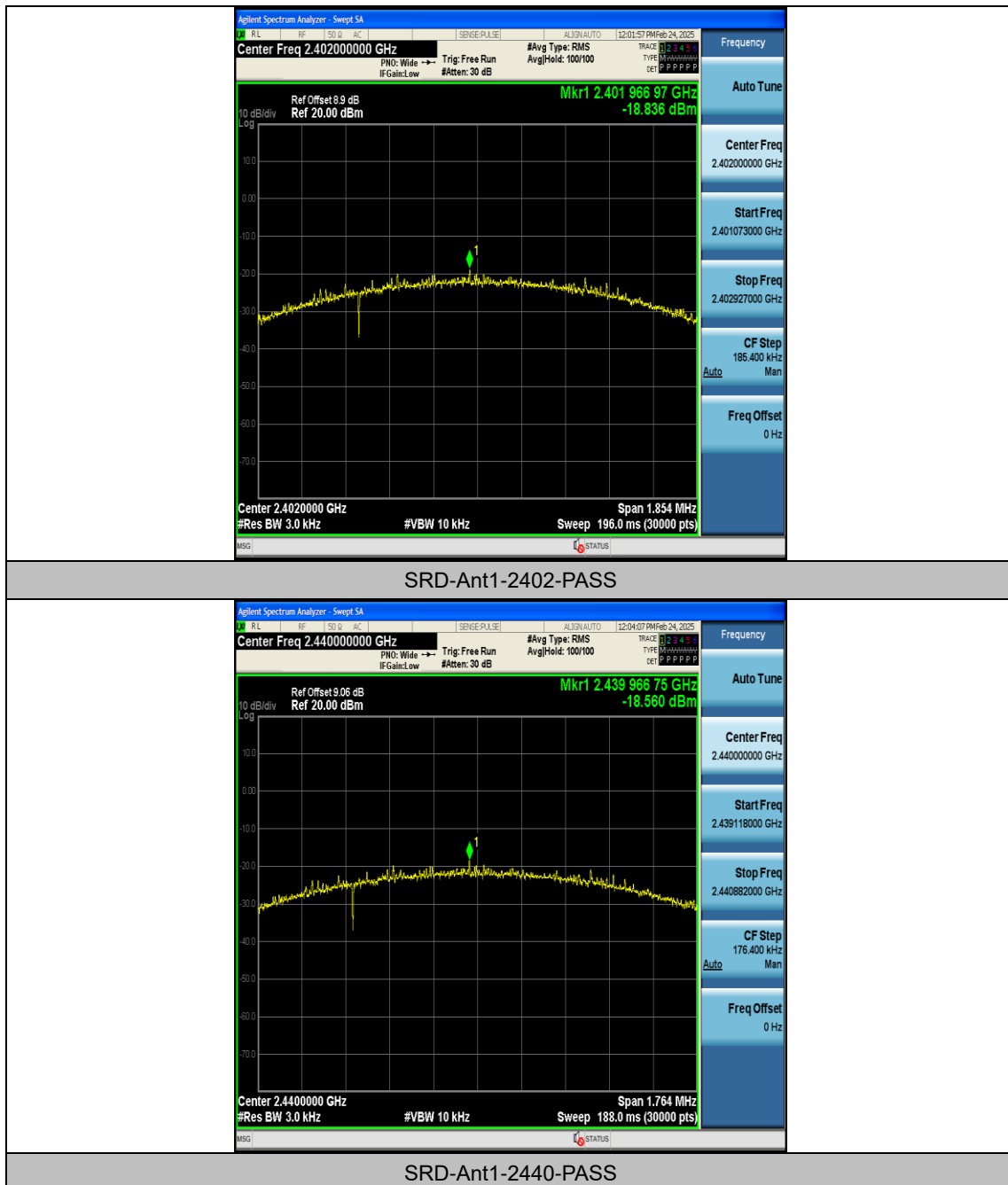


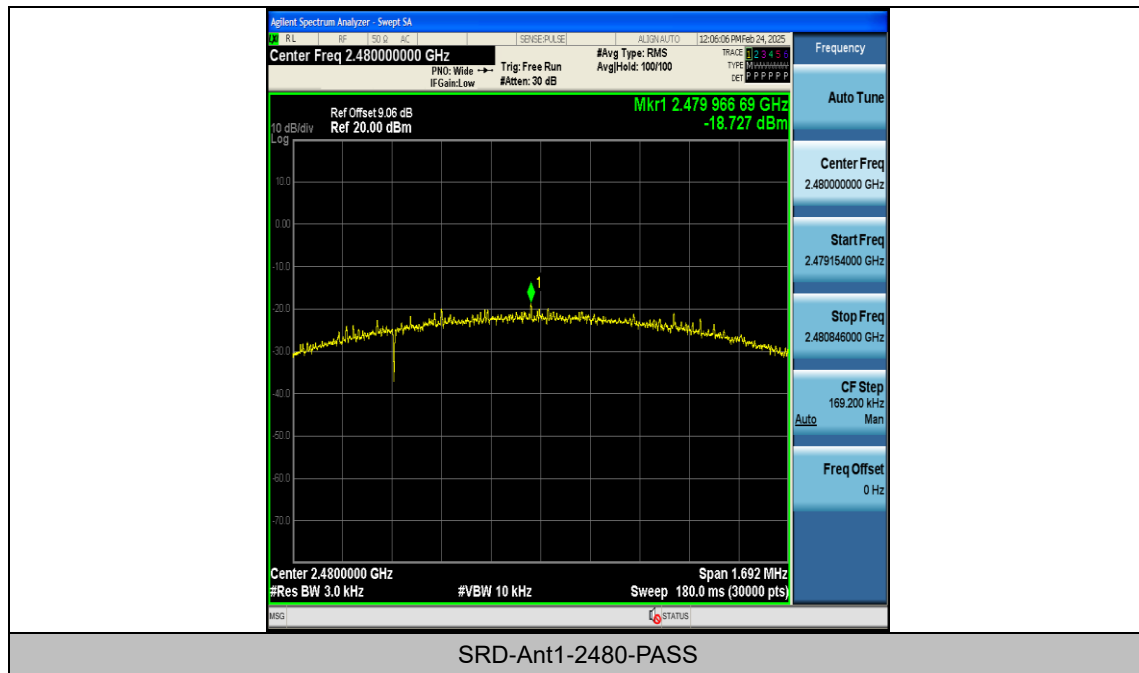
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2402	-18.84	≤8.00	PASS
SRD	Ant1	2440	-18.56	≤8.00	PASS
SRD	Ant1	2480	-18.73	≤8.00	PASS

Test Graphs



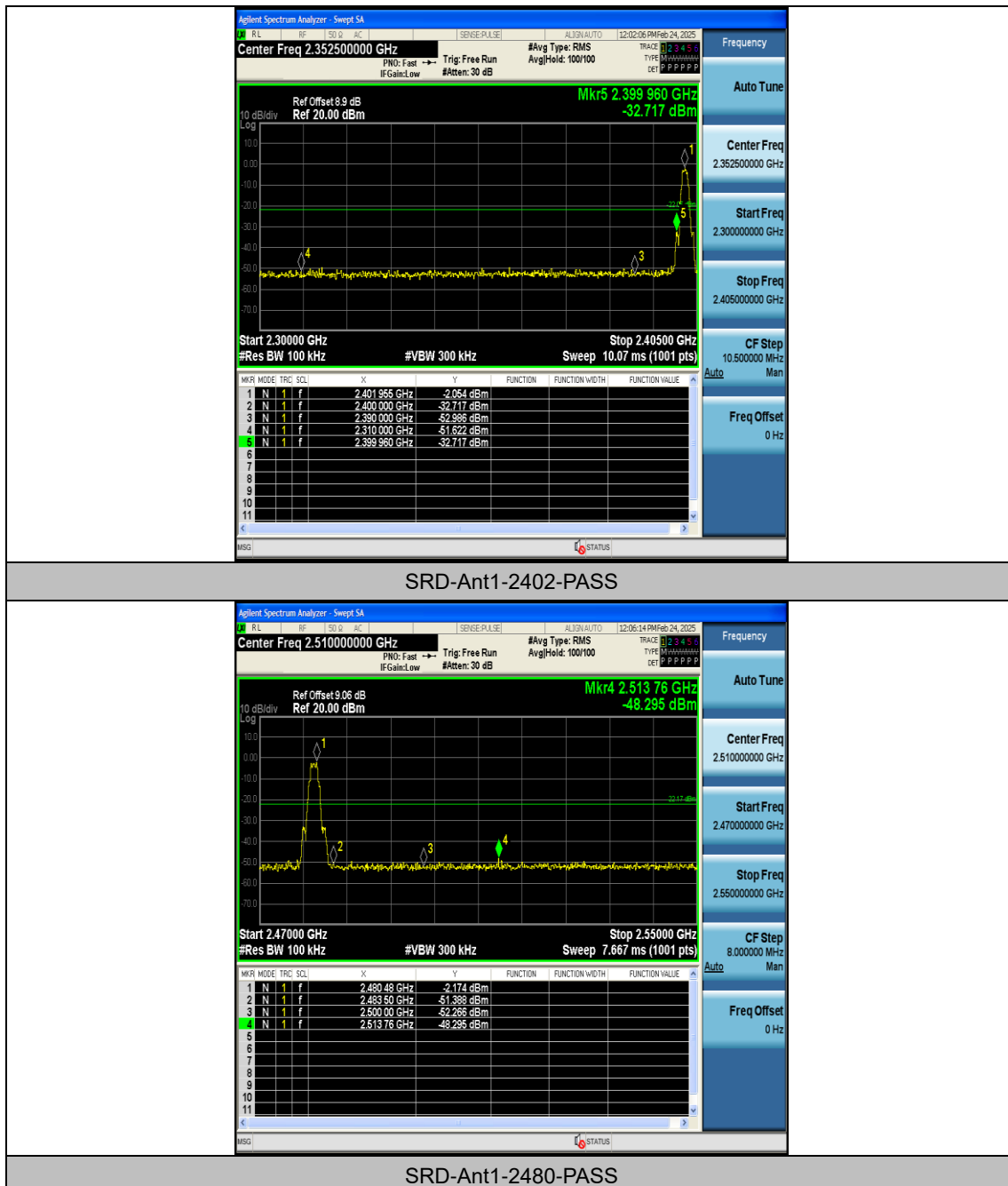


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2402	-2.05	-32.72	≤ -22.05	PASS
SRD	Ant1	High	2480	-2.17	-48.3	≤ -22.17	PASS

Test Graphs

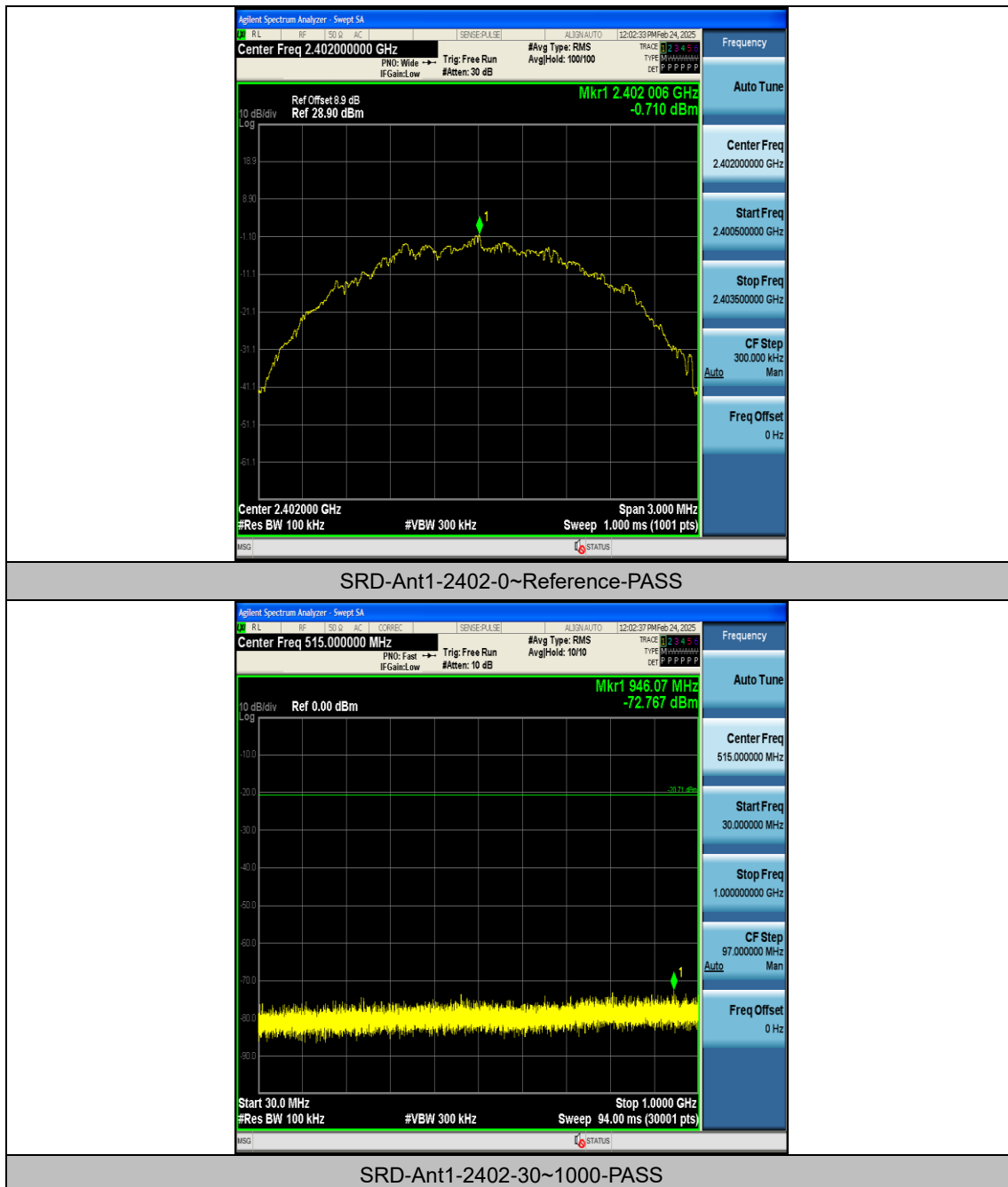


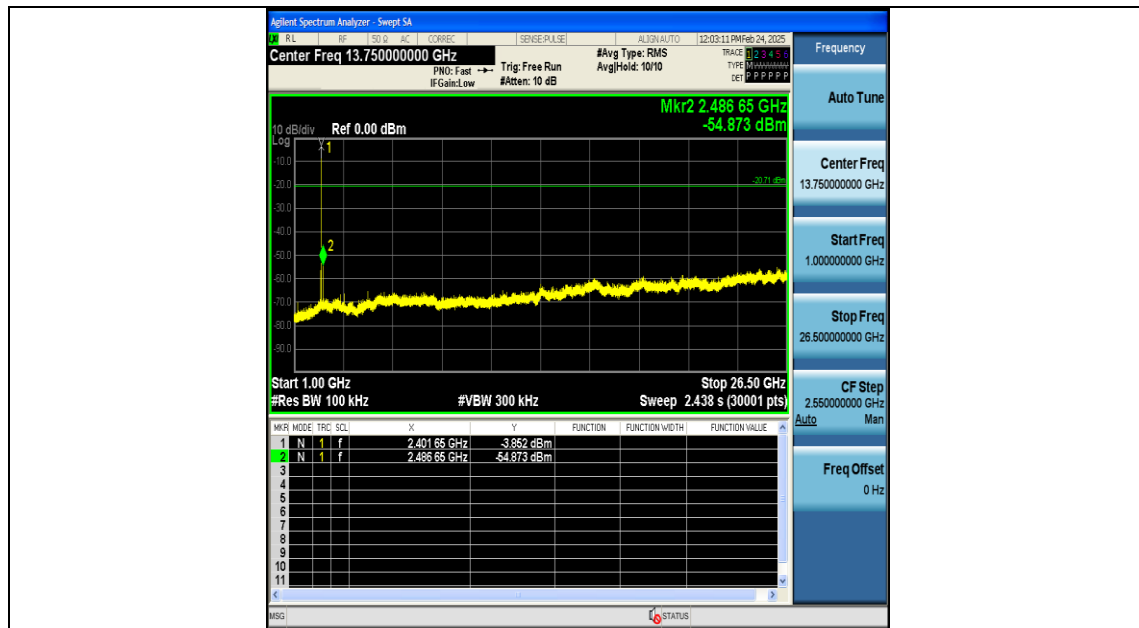
Appendix F: Conducted Spurious Emission

Test Result

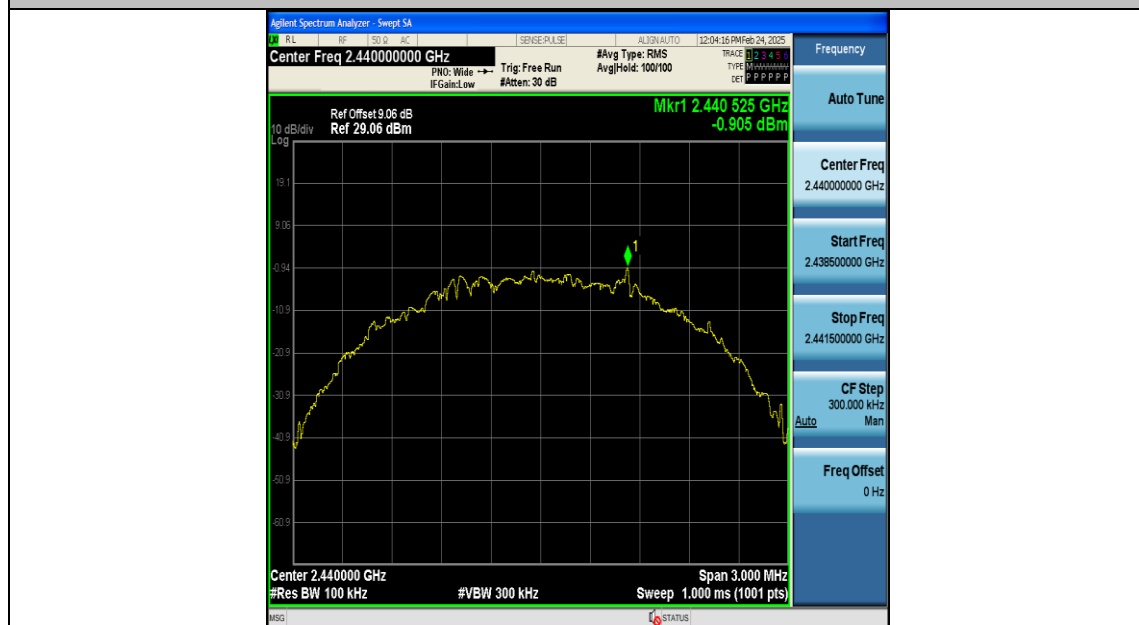
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2402	0~Reference	-0.71	-0.71	---	PASS
SRD	Ant1	2402	30~1000	-0.71	-72.77	≤ -20.71	PASS
SRD	Ant1	2402	1000~26500	-0.71	-54.87	≤ -20.71	PASS
SRD	Ant1	2440	0~Reference	-0.91	-0.91	---	PASS
SRD	Ant1	2440	30~1000	-0.91	-72.86	≤ -20.91	PASS
SRD	Ant1	2440	1000~26500	-0.91	-55.67	≤ -20.91	PASS
SRD	Ant1	2480	0~Reference	-0.60	-0.60	---	PASS
SRD	Ant1	2480	30~1000	-0.60	-72.31	≤ -20.6	PASS
SRD	Ant1	2480	1000~26500	-0.60	-54.96	≤ -20.6	PASS

Test Graphs

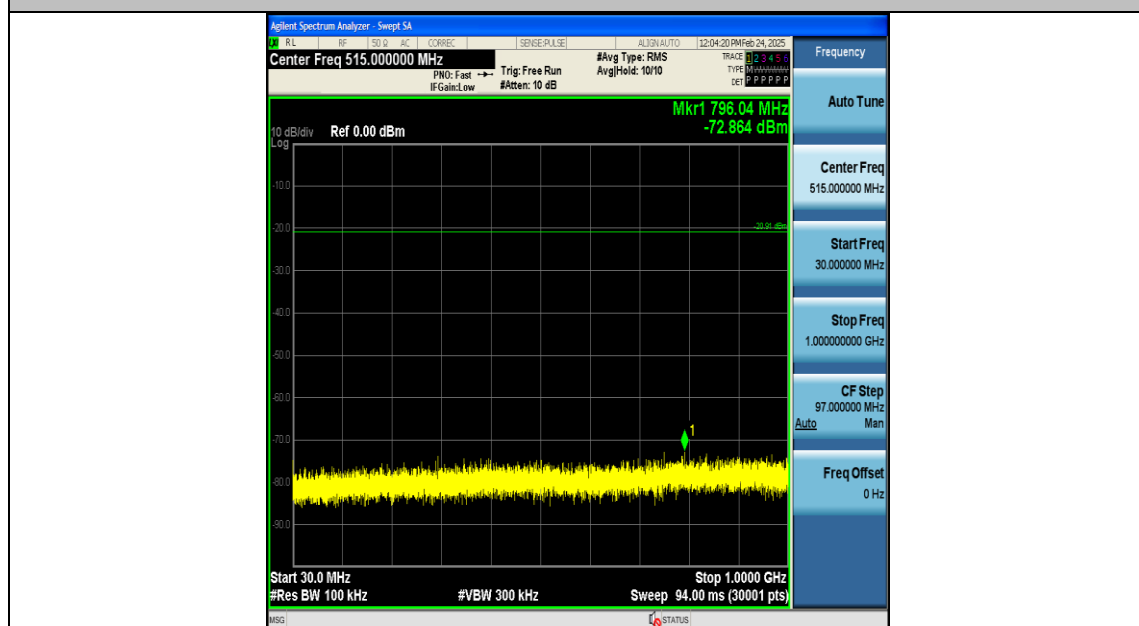




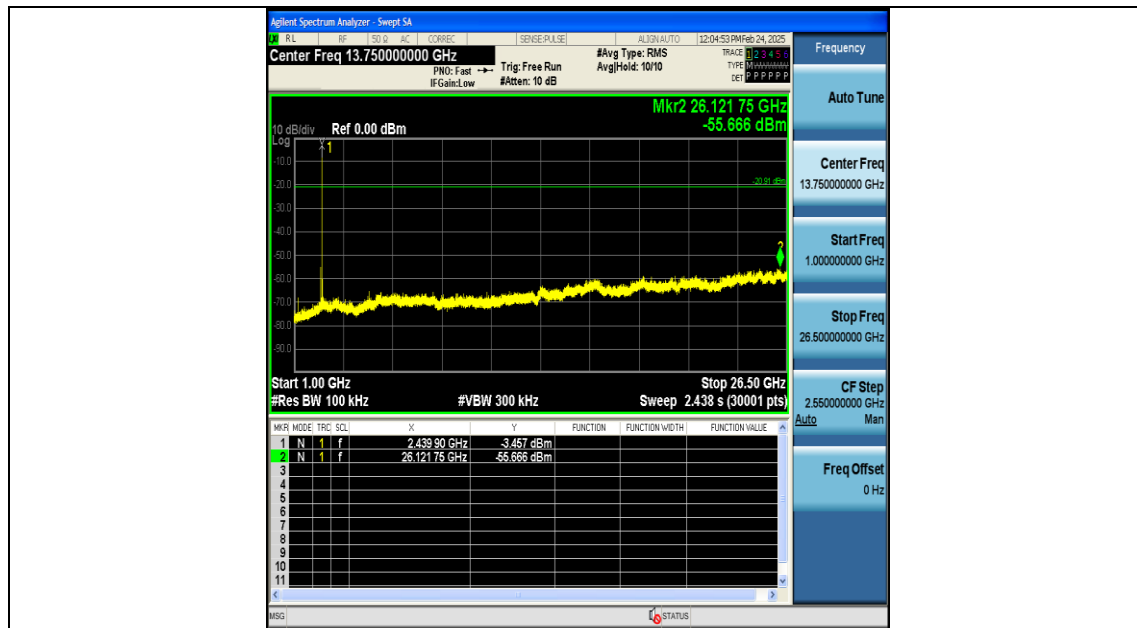
SRD-Ant1-2402-1000~26500-PASS



SRD-Ant1-2440-0~Reference-PASS



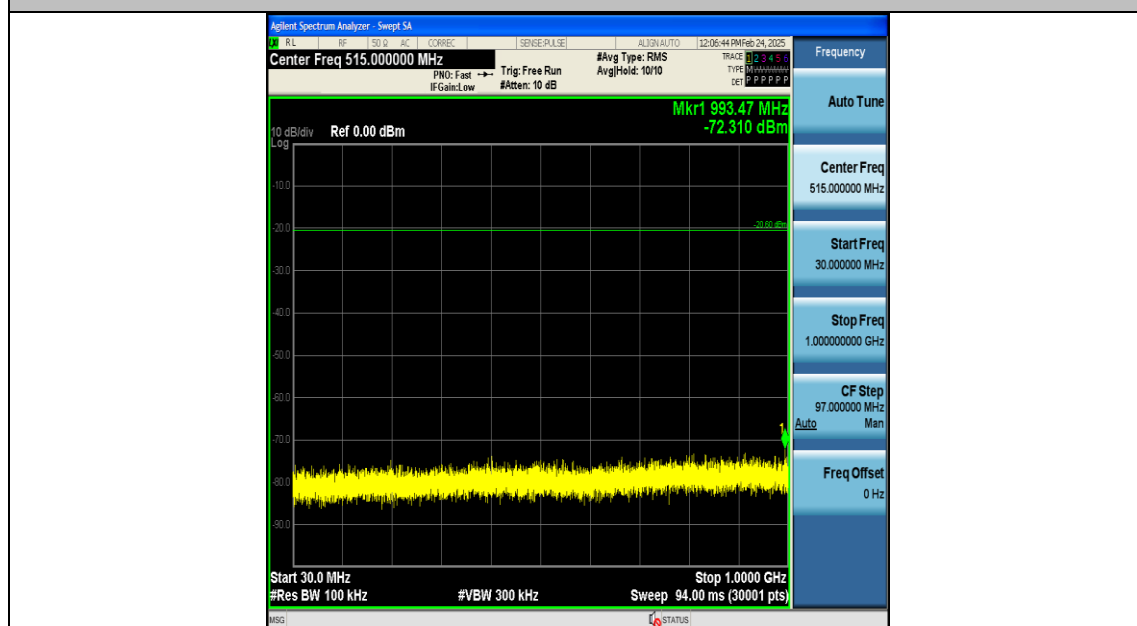
SRD-Ant1-2440-30~1000-PASS



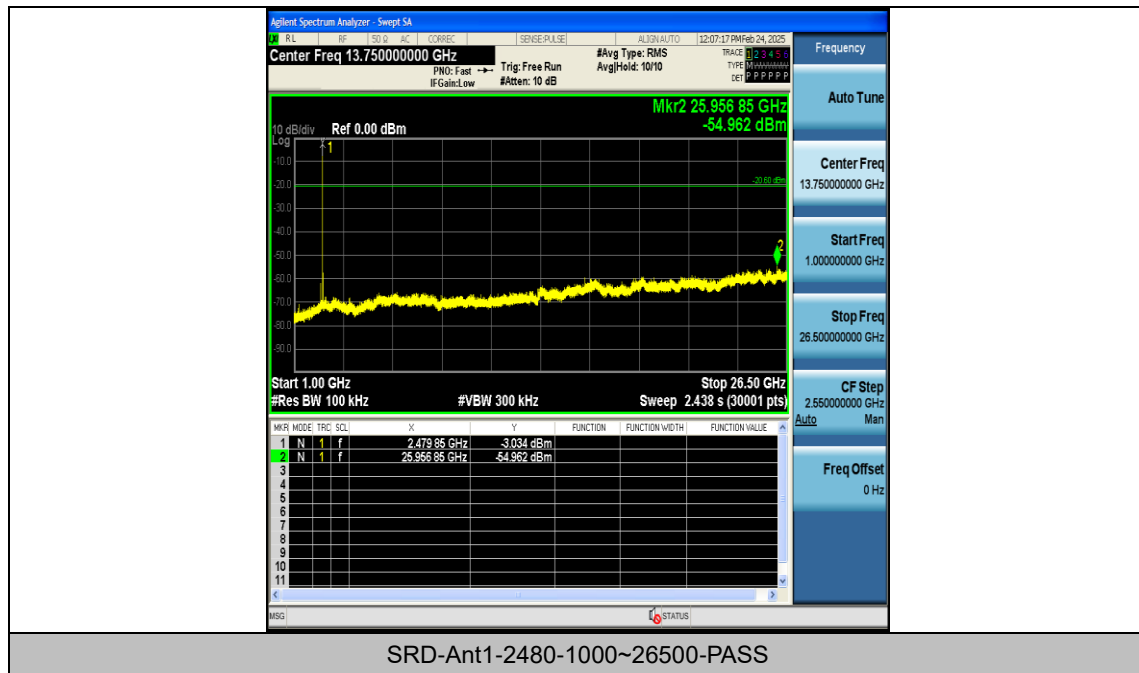
SRD-Ant1-2440-1000~26500-PASS



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

