

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: Keychron

Test Model: K8 Max

FCC ID: 2BGKB-K8MAX

Environmental Conditions

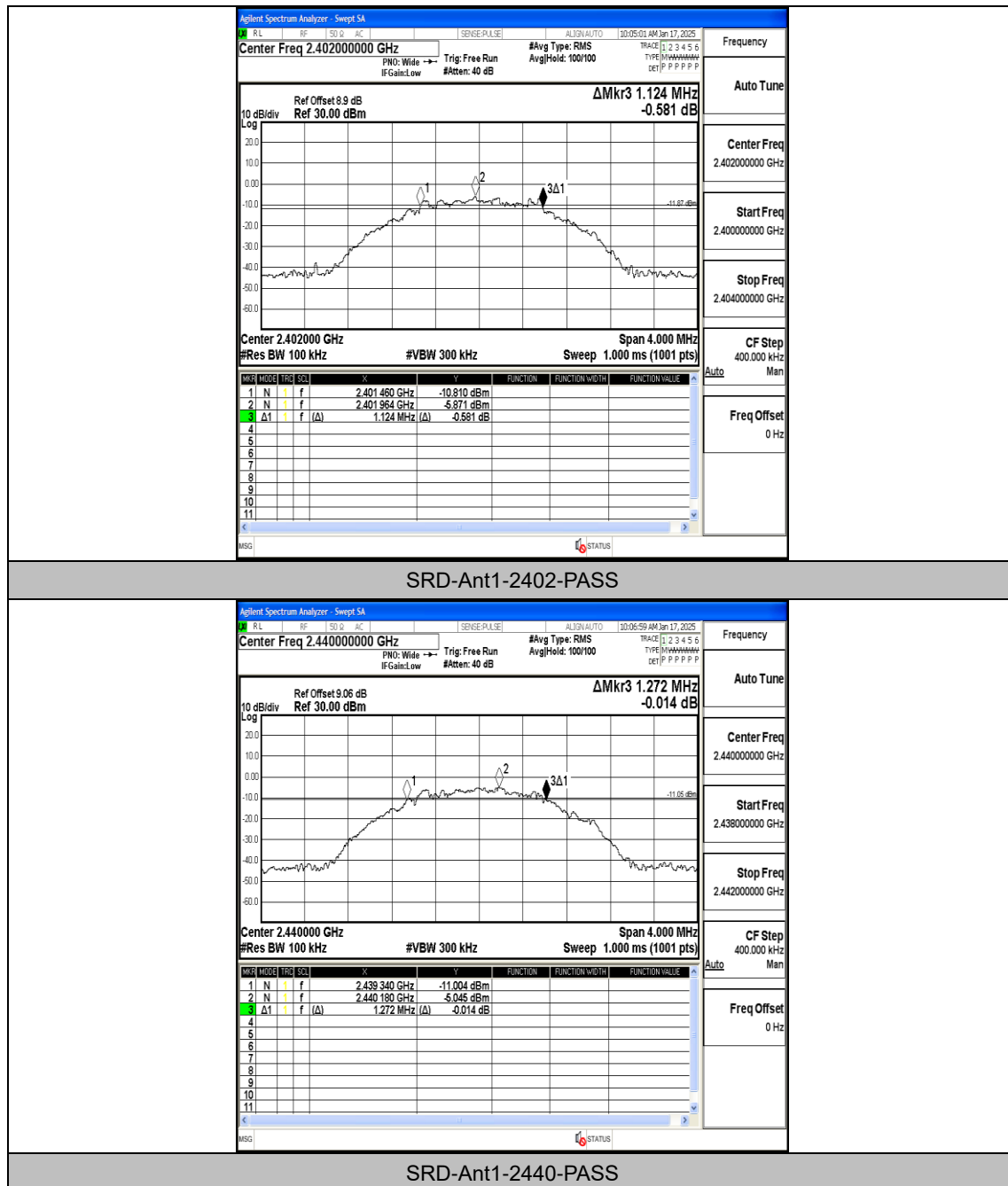
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

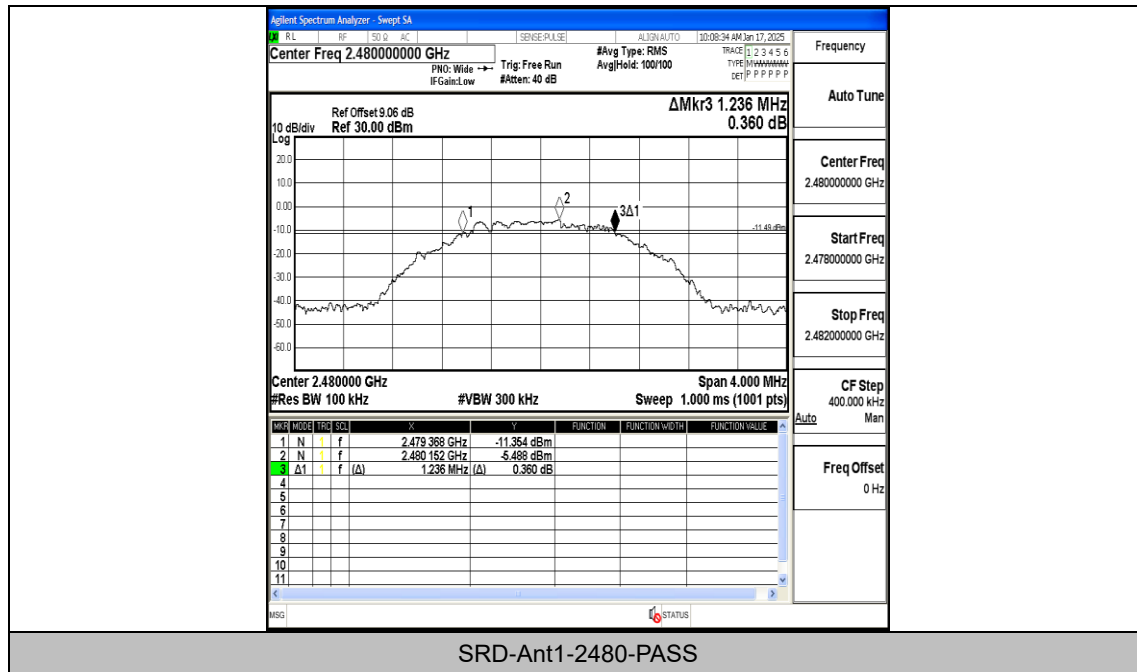
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.124	2401.460	2402.584	0.5	PASS
SRD	Ant1	2440	1.272	2439.340	2440.612	0.5	PASS
SRD	Ant1	2480	1.236	2479.368	2480.604	0.5	PASS

Test Graphs



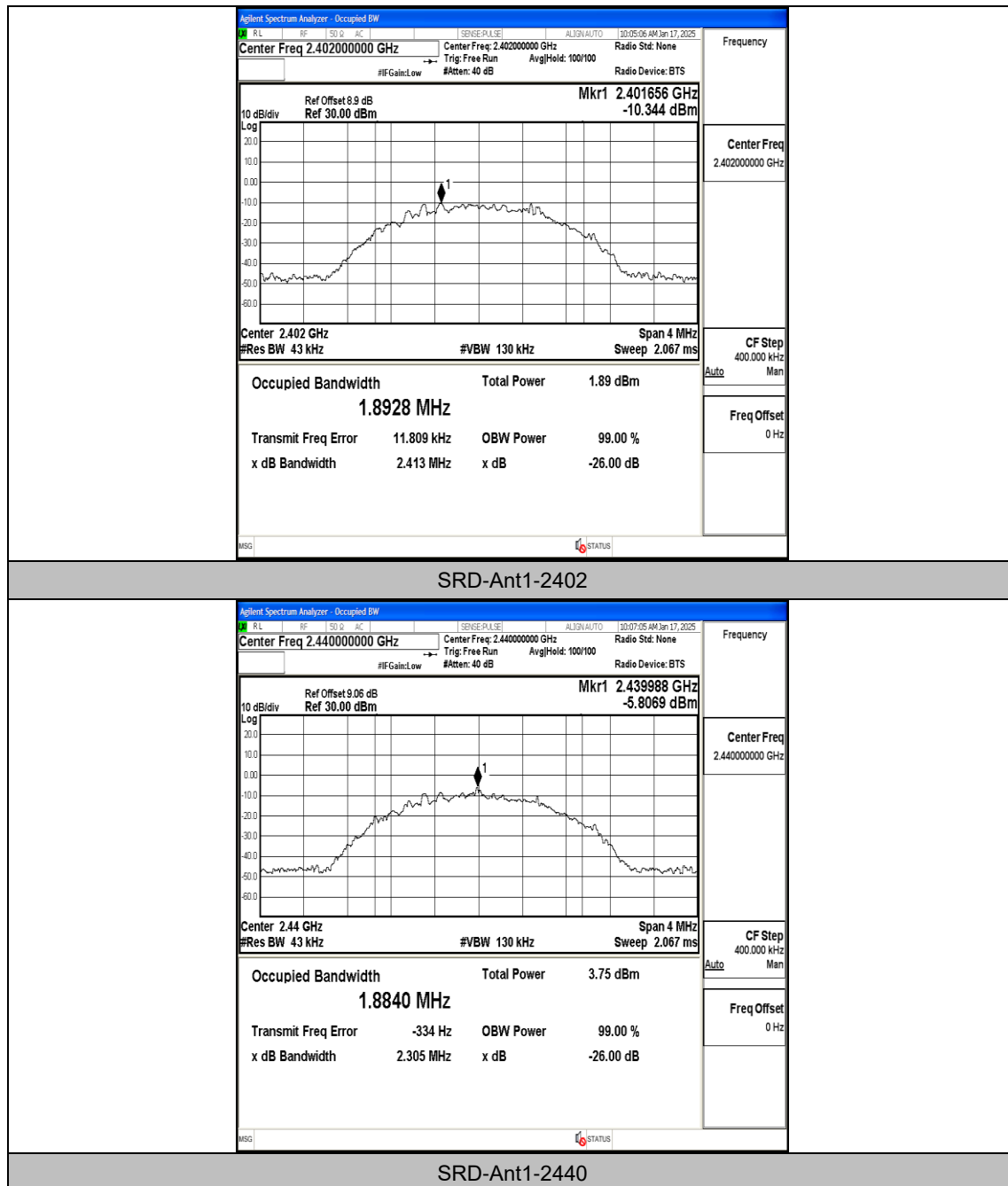


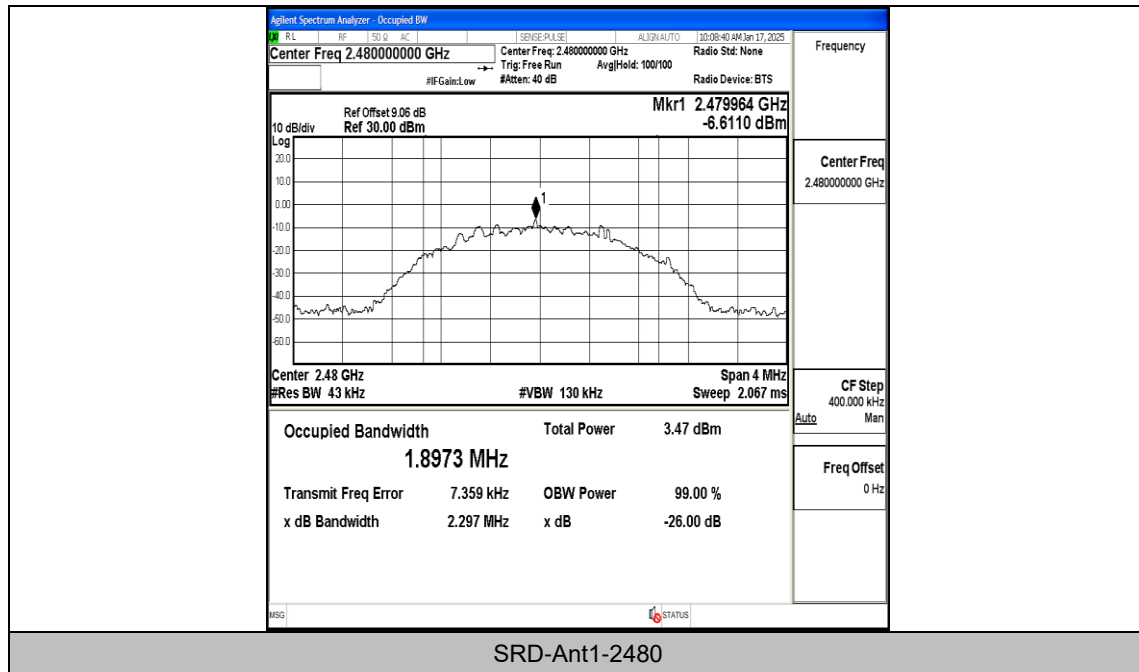
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.8928	2401.0654	2402.9582	---	---
SRD	Ant1	2440	1.8840	2439.0577	2440.9417	---	---
SRD	Ant1	2480	1.8973	2479.0587	2480.9560	---	---

Test Graphs



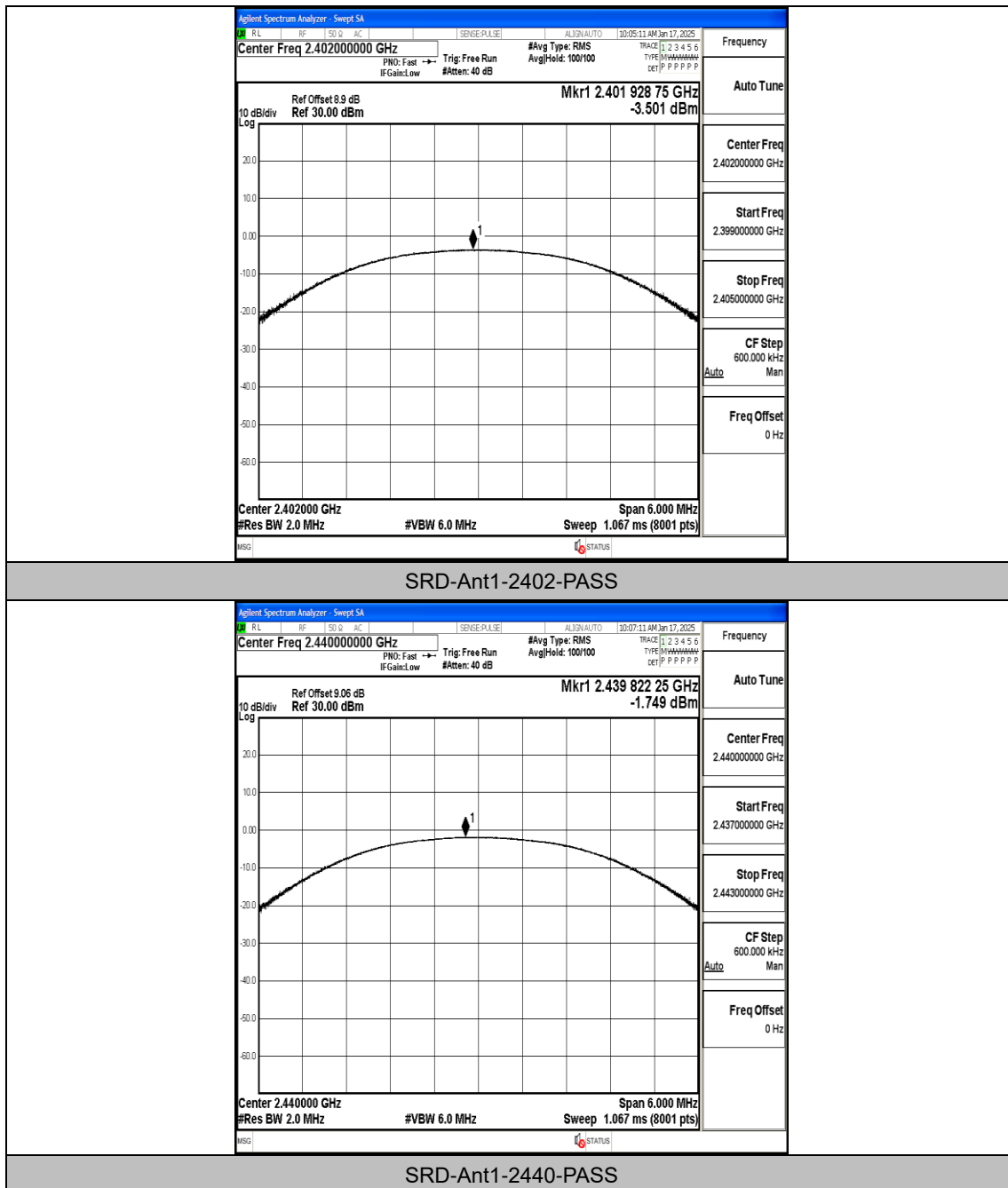


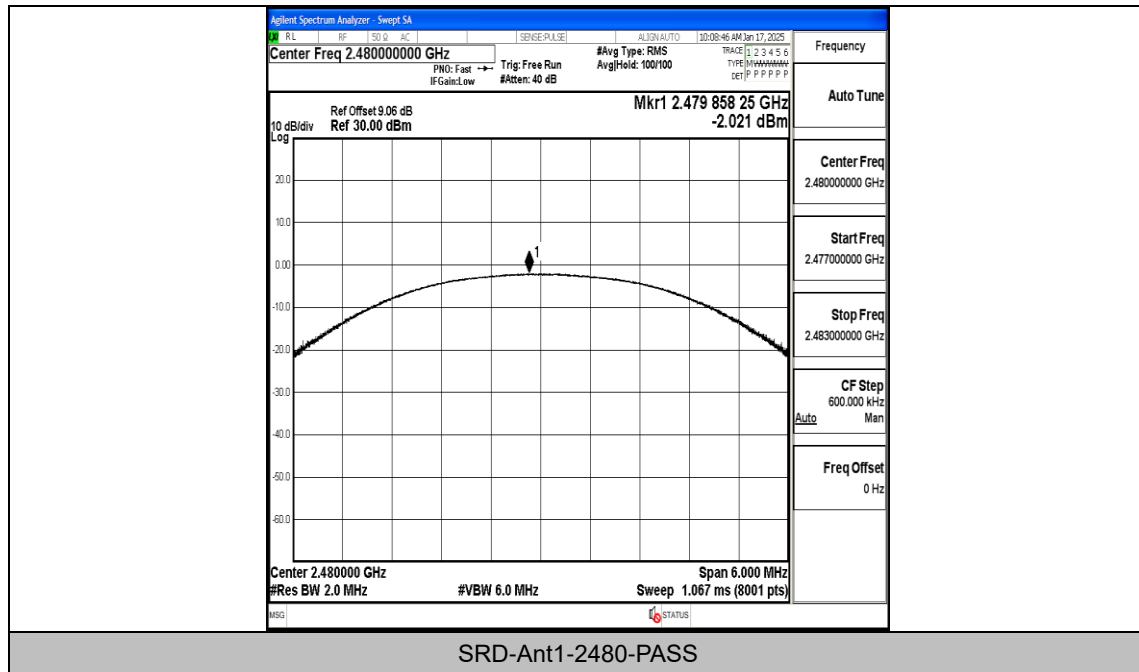
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2402	-3.50	≤30	PASS
SRD	Ant1	2440	-1.75	≤30	PASS
SRD	Ant1	2480	-2.02	≤30	PASS

Test Graphs Peak



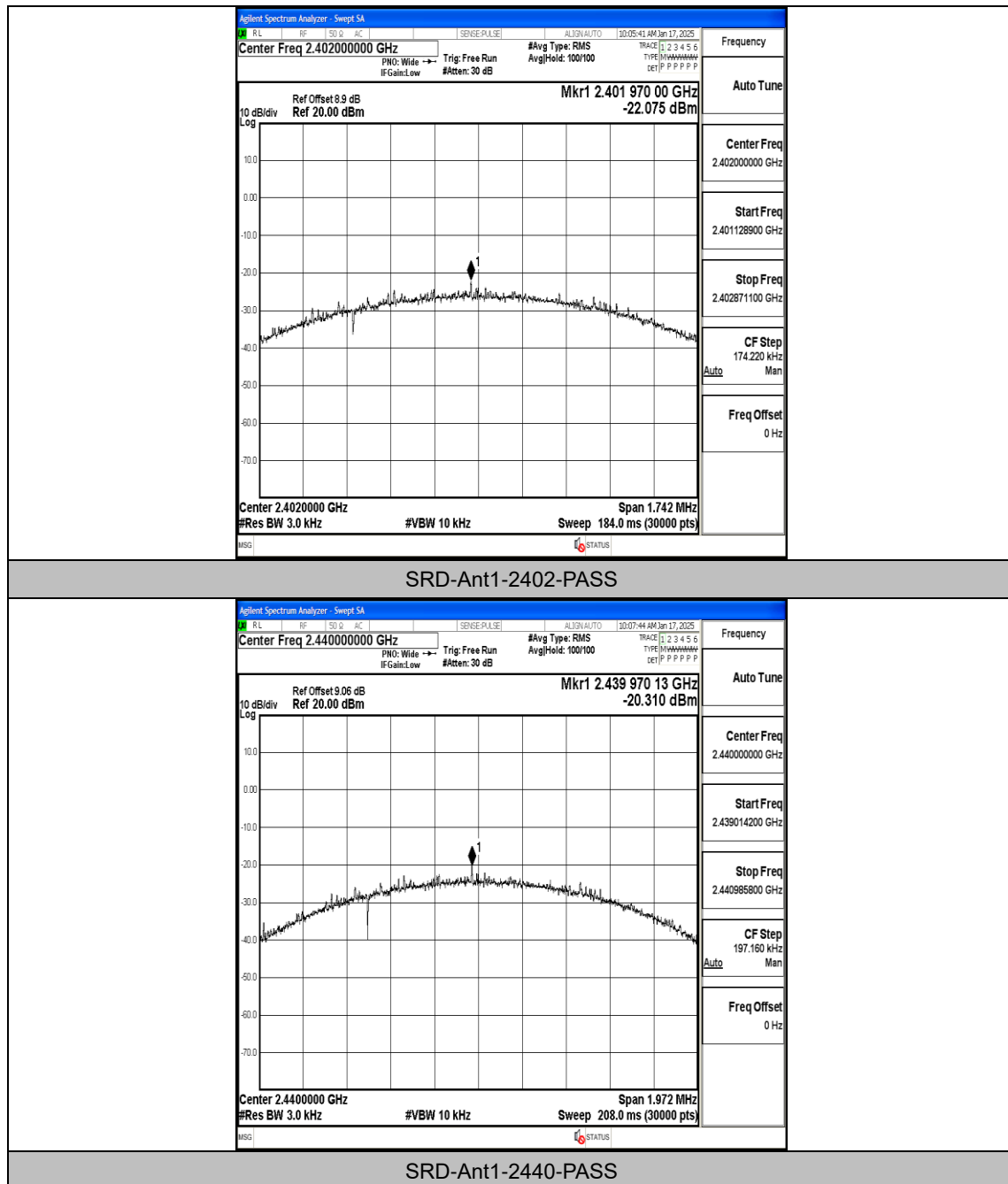


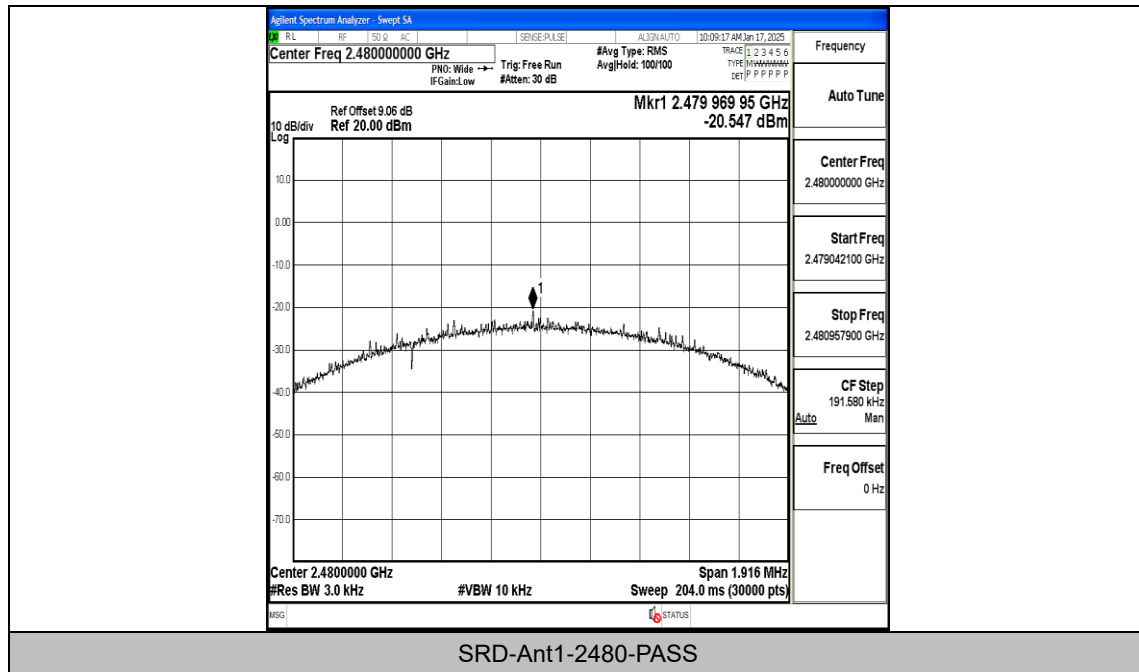
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2402	-22.08	≤8.00	PASS
SRD	Ant1	2440	-20.31	≤8.00	PASS
SRD	Ant1	2480	-20.55	≤8.00	PASS

Test Graphs



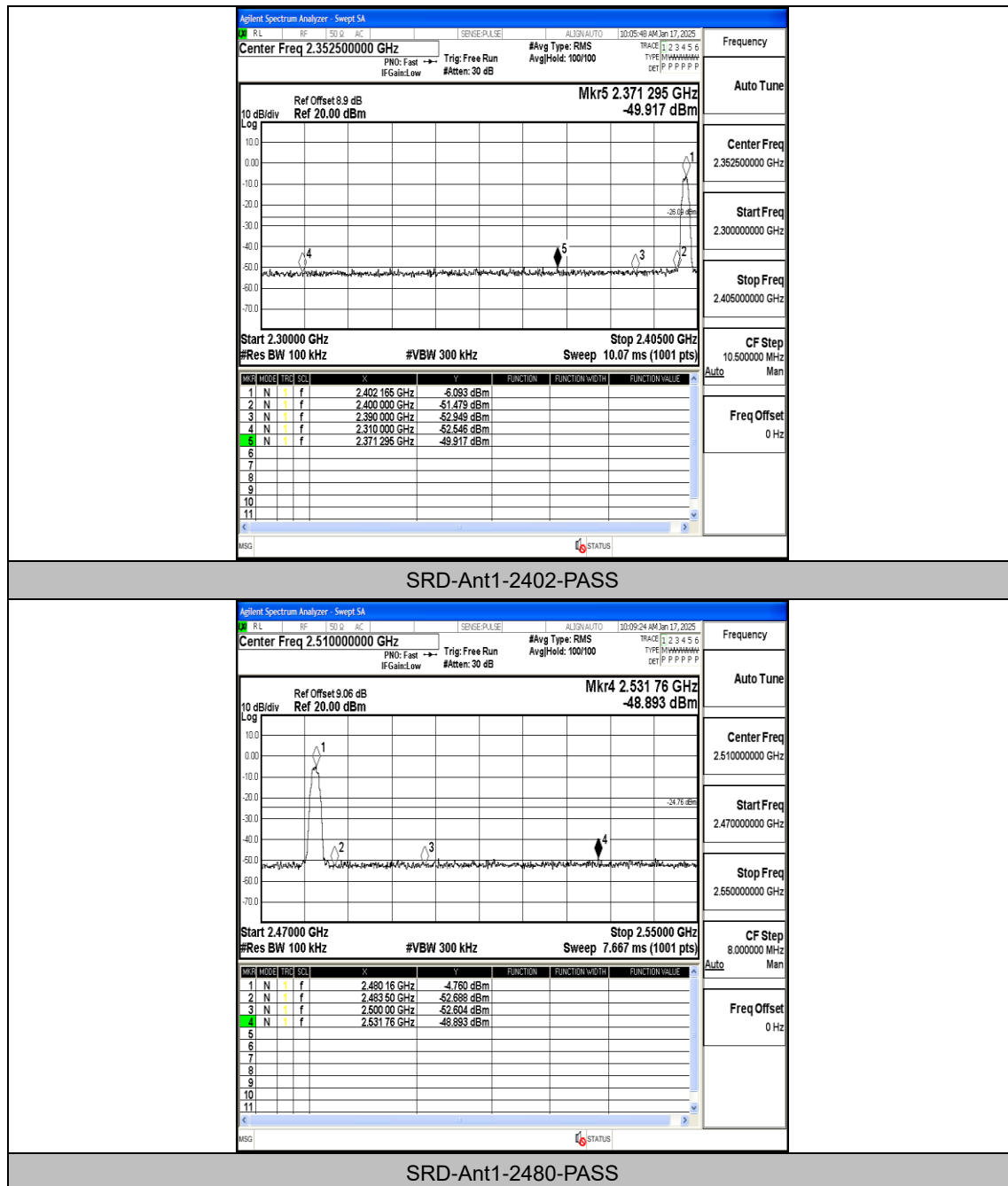


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2402	-6.09	-49.92	≤-26.09	PASS
SRD	Ant1	High	2480	-4.76	-48.89	≤-24.76	PASS

Test Graphs

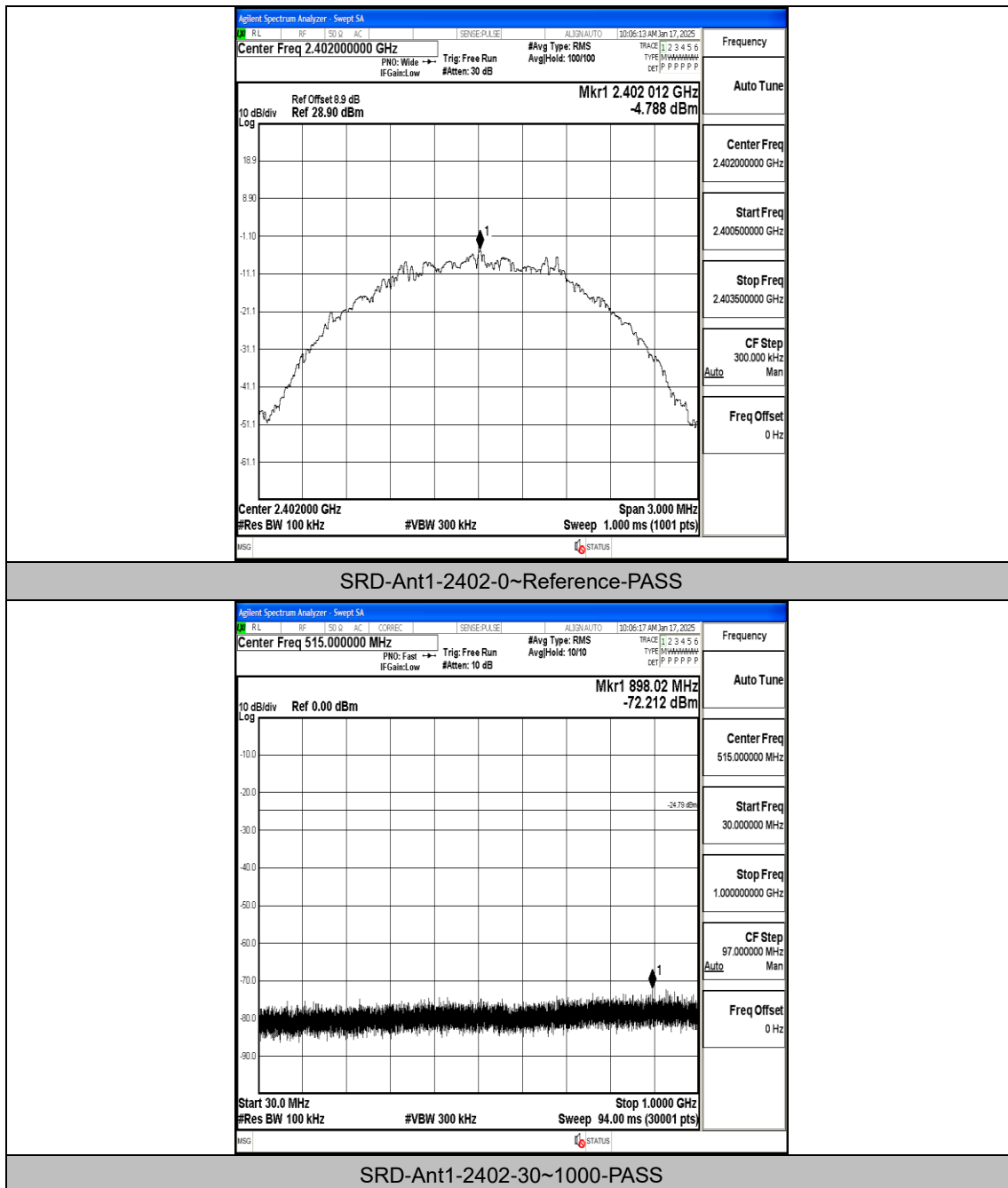


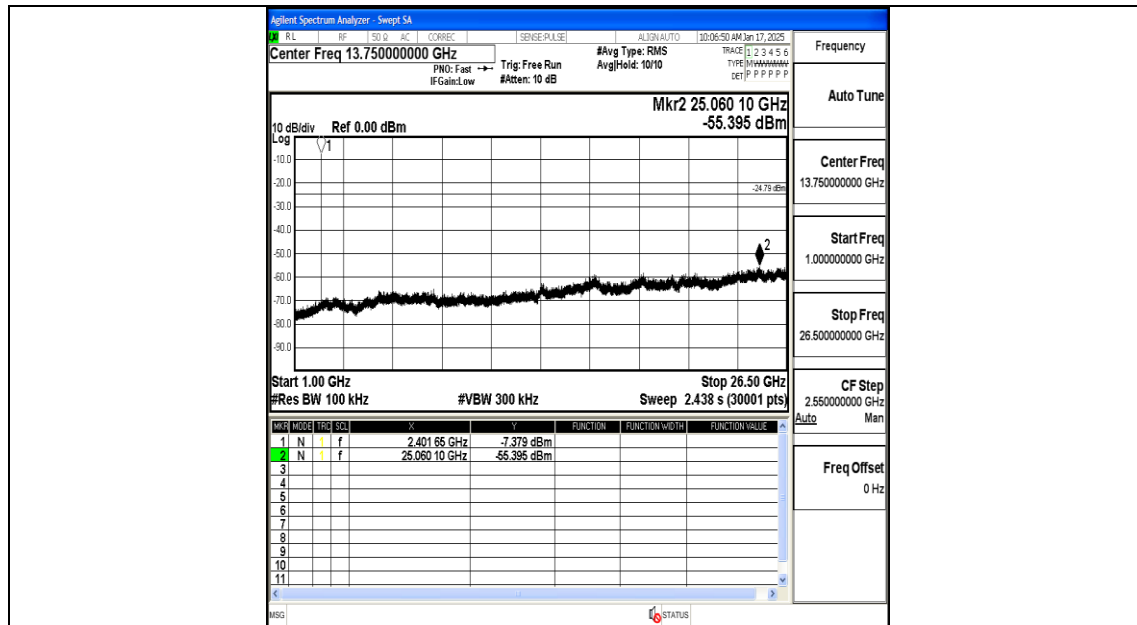
Appendix F: Conducted Spurious Emission

Test Result

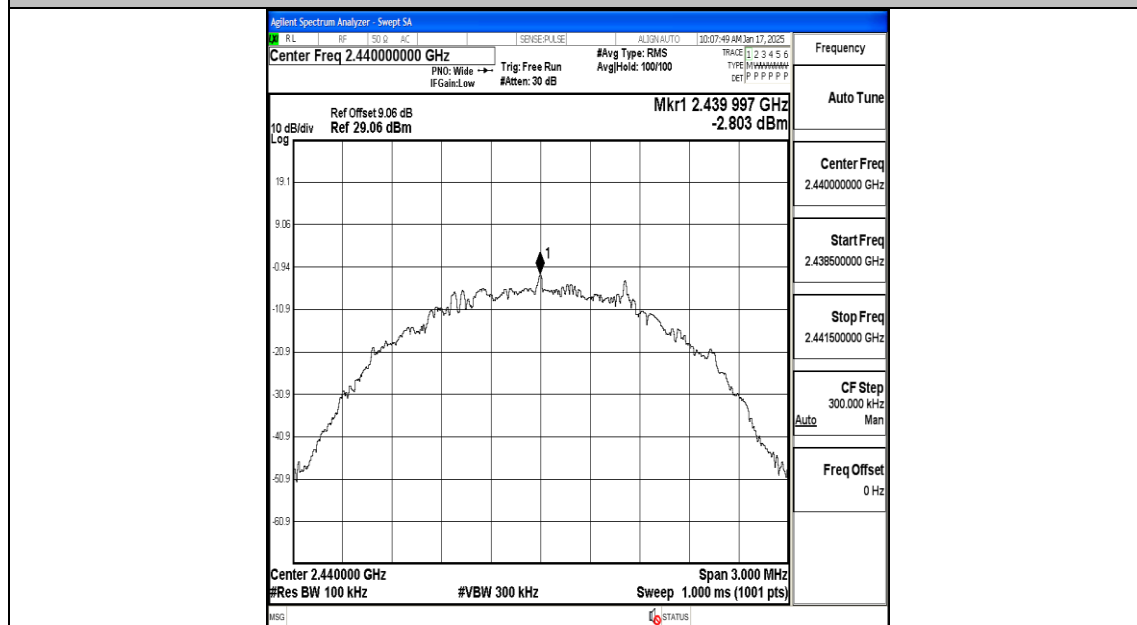
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2402	0~Reference	-4.79	-4.79	---	PASS
SRD	Ant1	2402	30~1000	-4.79	-72.21	≤-24.79	PASS
SRD	Ant1	2402	1000~26500	-4.79	-55.4	≤-24.79	PASS
SRD	Ant1	2440	0~Reference	-2.80	-2.80	---	PASS
SRD	Ant1	2440	30~1000	-2.80	-73.04	≤-22.8	PASS
SRD	Ant1	2440	1000~26500	-2.80	-44.43	≤-22.8	PASS
SRD	Ant1	2480	0~Reference	-3.21	-3.21	---	PASS
SRD	Ant1	2480	30~1000	-3.21	-73.1	≤-23.21	PASS
SRD	Ant1	2480	1000~26500	-3.21	-55.45	≤-23.21	PASS

Test Graphs

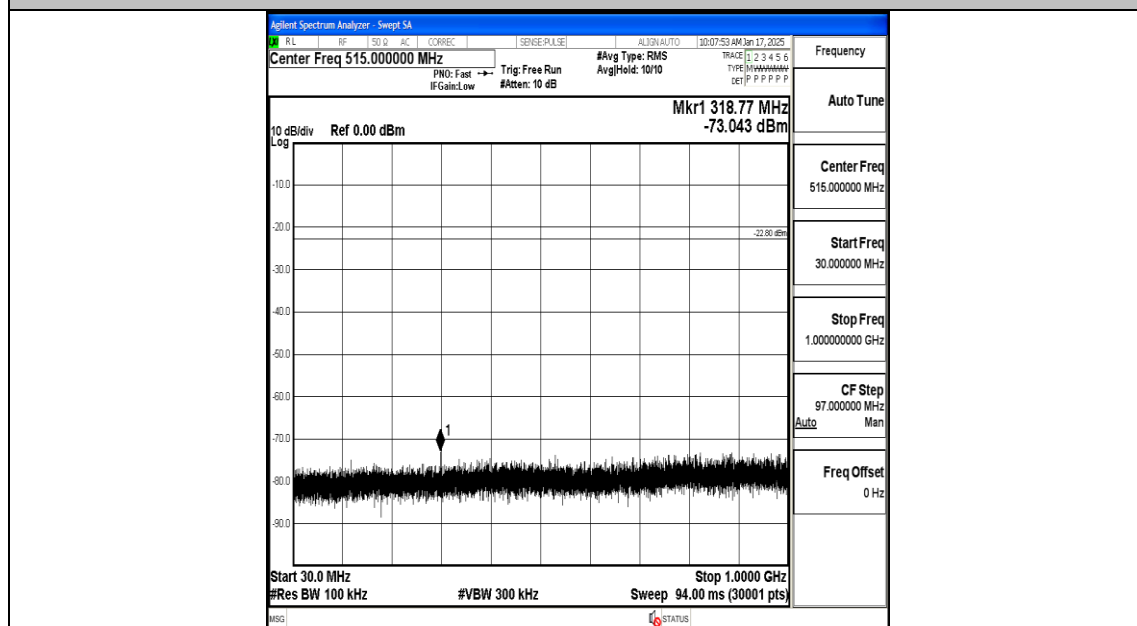




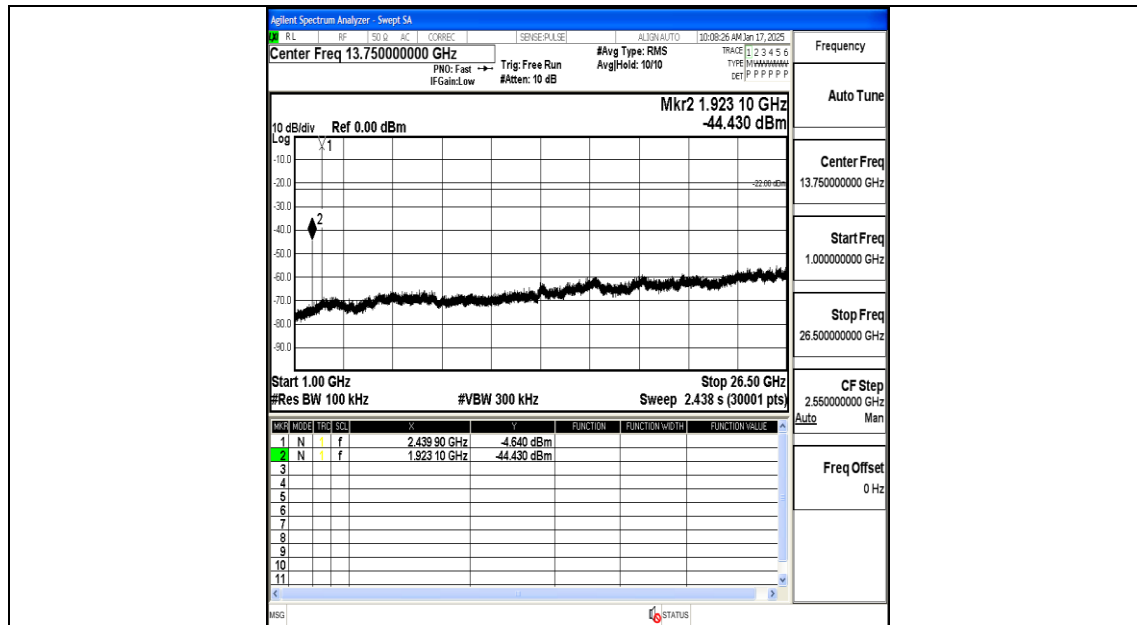
SRD-Ant1-2402-1000~26500-PASS



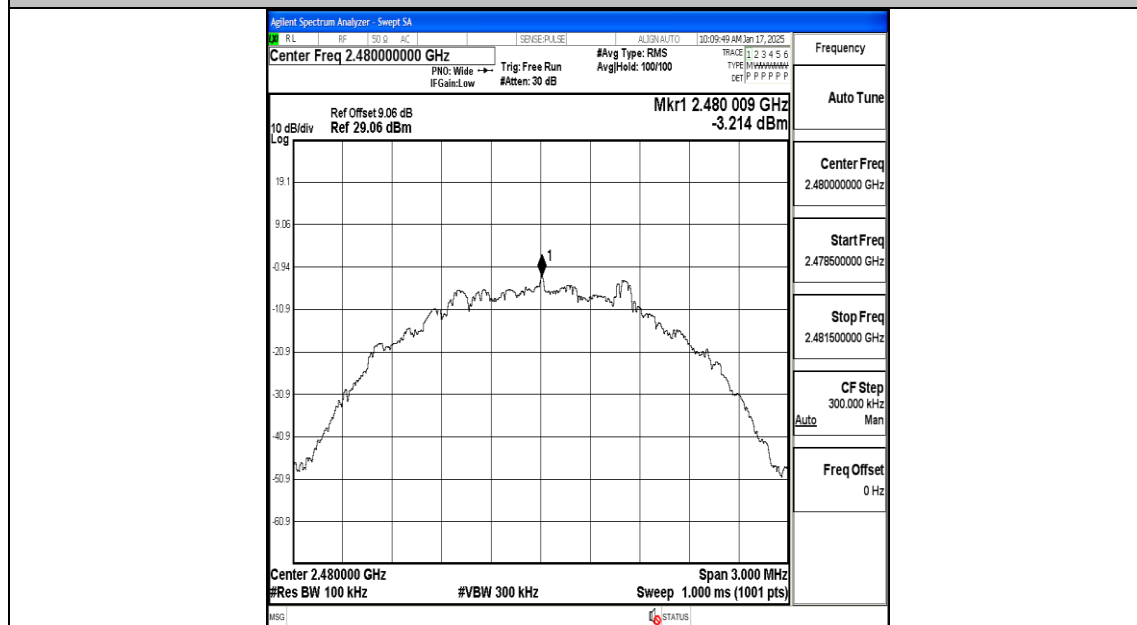
SRD-Ant1-2440-0~Reference-PASS



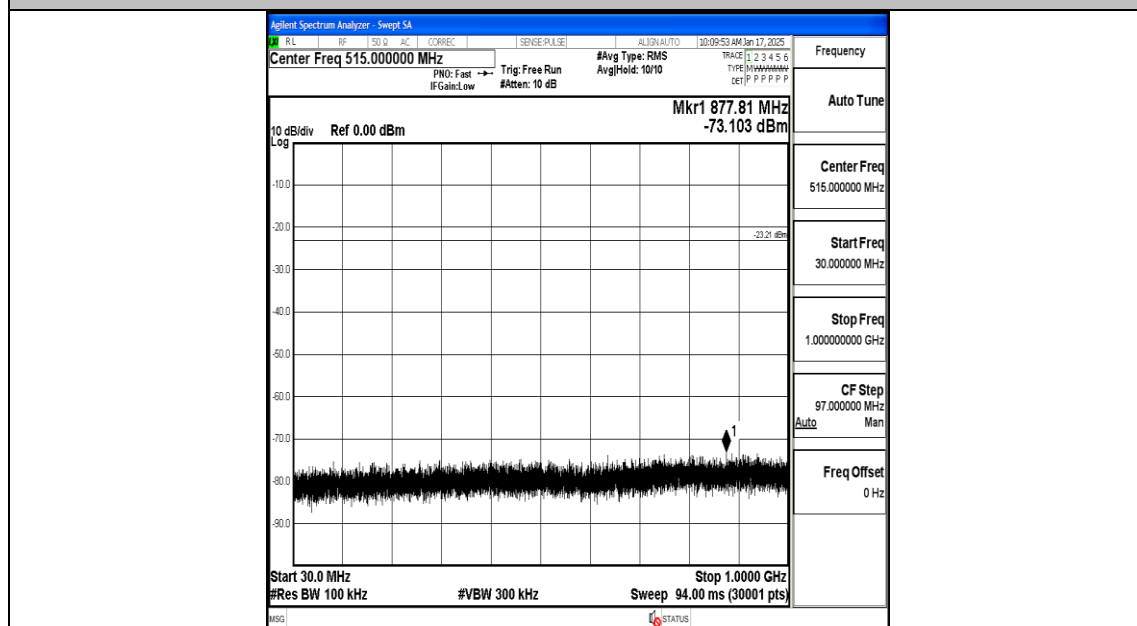
SRD-Ant1-2440-30~1000-PASS



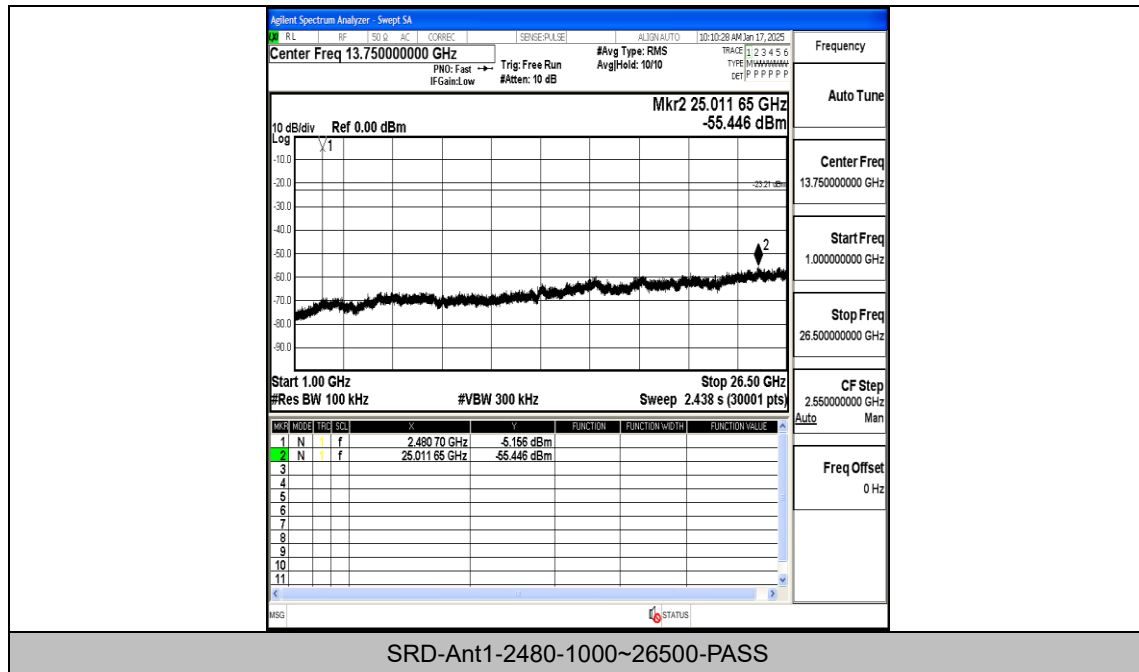
SRD-Ant1-2440-1000~26500-PASS



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	10.00	10.00	100.00	0.00
SRD	Ant1	2440	10.00	10.00	100.00	0.00
SRD	Ant1	2480	10.00	10.00	100.00	0.00

Test Graphs

