

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: Keychron

Test Model: K17 Max

FCC ID: 2BGKB-K17MAX

Environmental Conditions

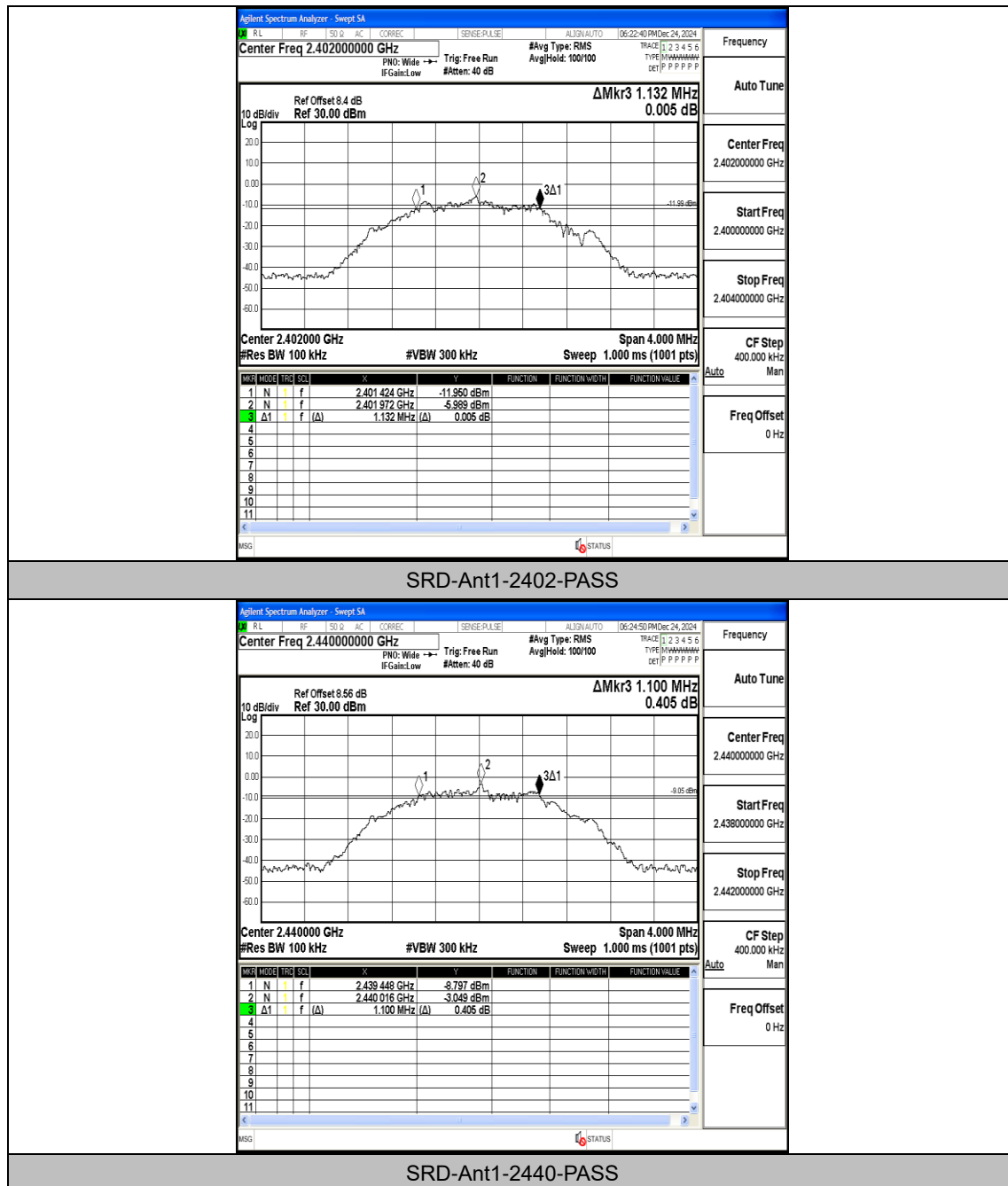
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

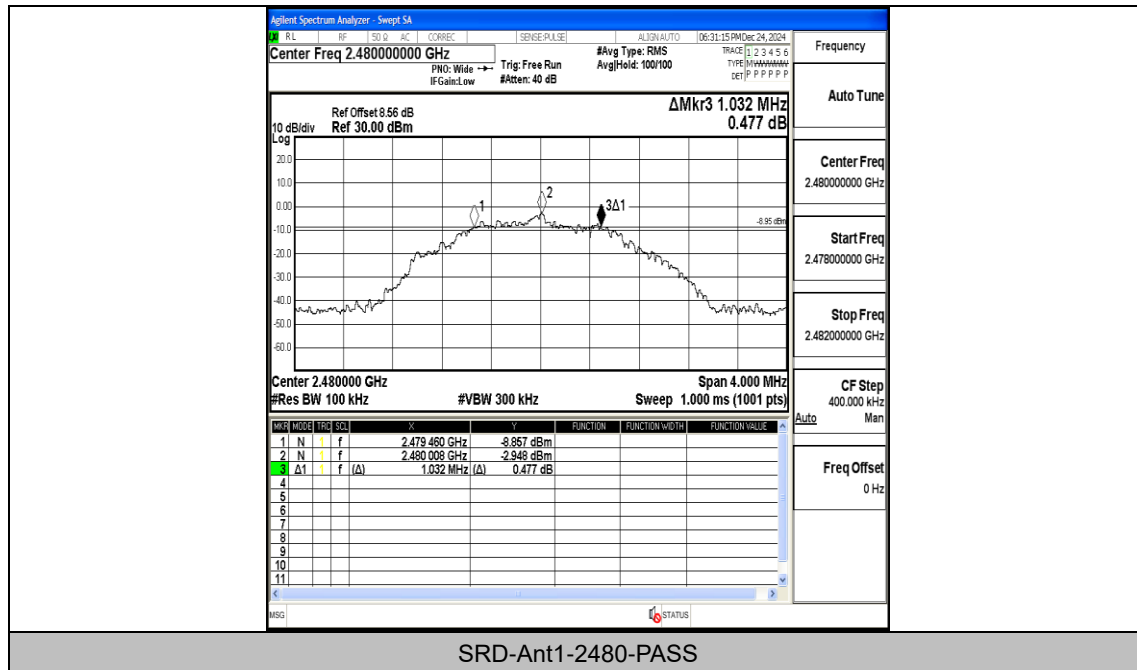
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.132	2401.424	2402.556	0.5	PASS
SRD	Ant1	2440	1.100	2439.448	2440.548	0.5	PASS
SRD	Ant1	2480	1.032	2479.460	2480.492	0.5	PASS

Test Graphs



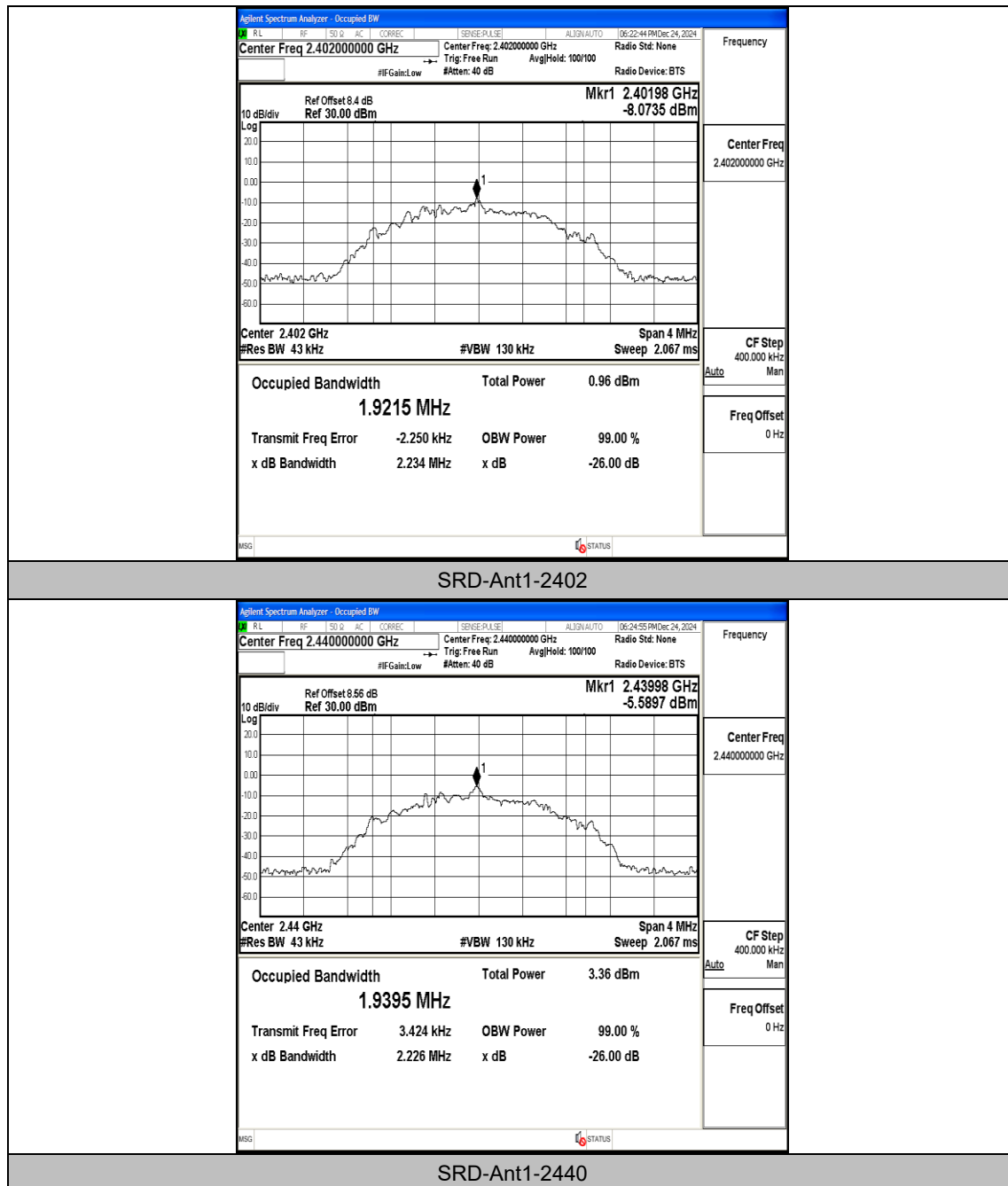


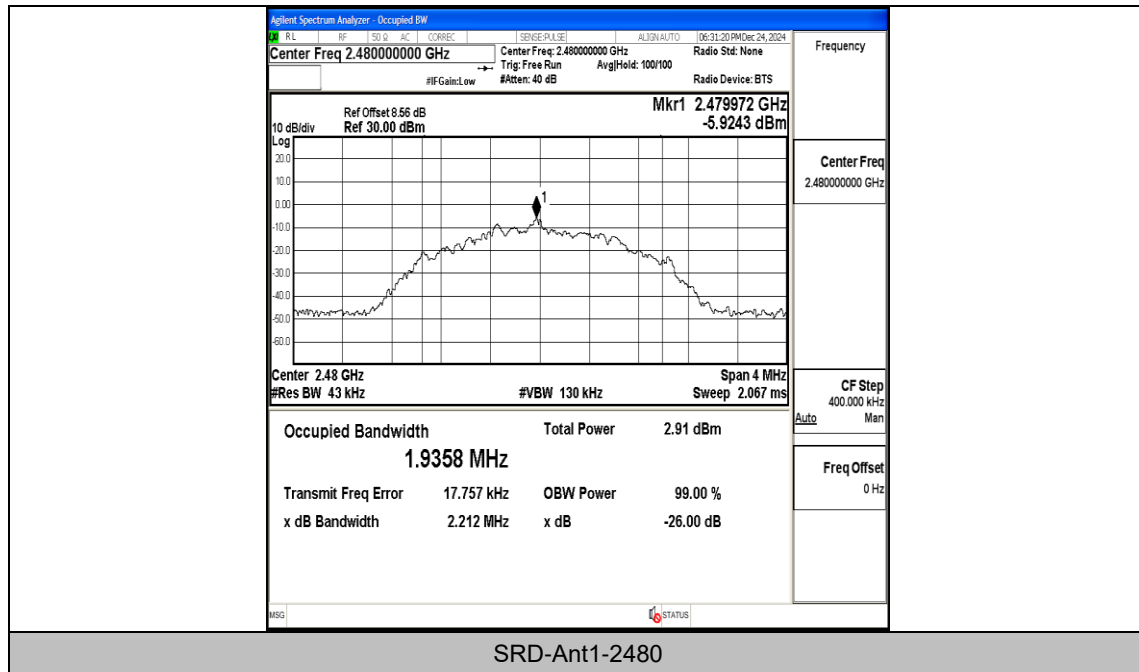
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2402	1.9215	2401.0370	2402.9585	---	---
SRD	Ant1	2440	1.9395	2439.0337	2440.9732	---	---
SRD	Ant1	2480	1.9358	2479.0499	2480.9857	---	---

Test Graphs



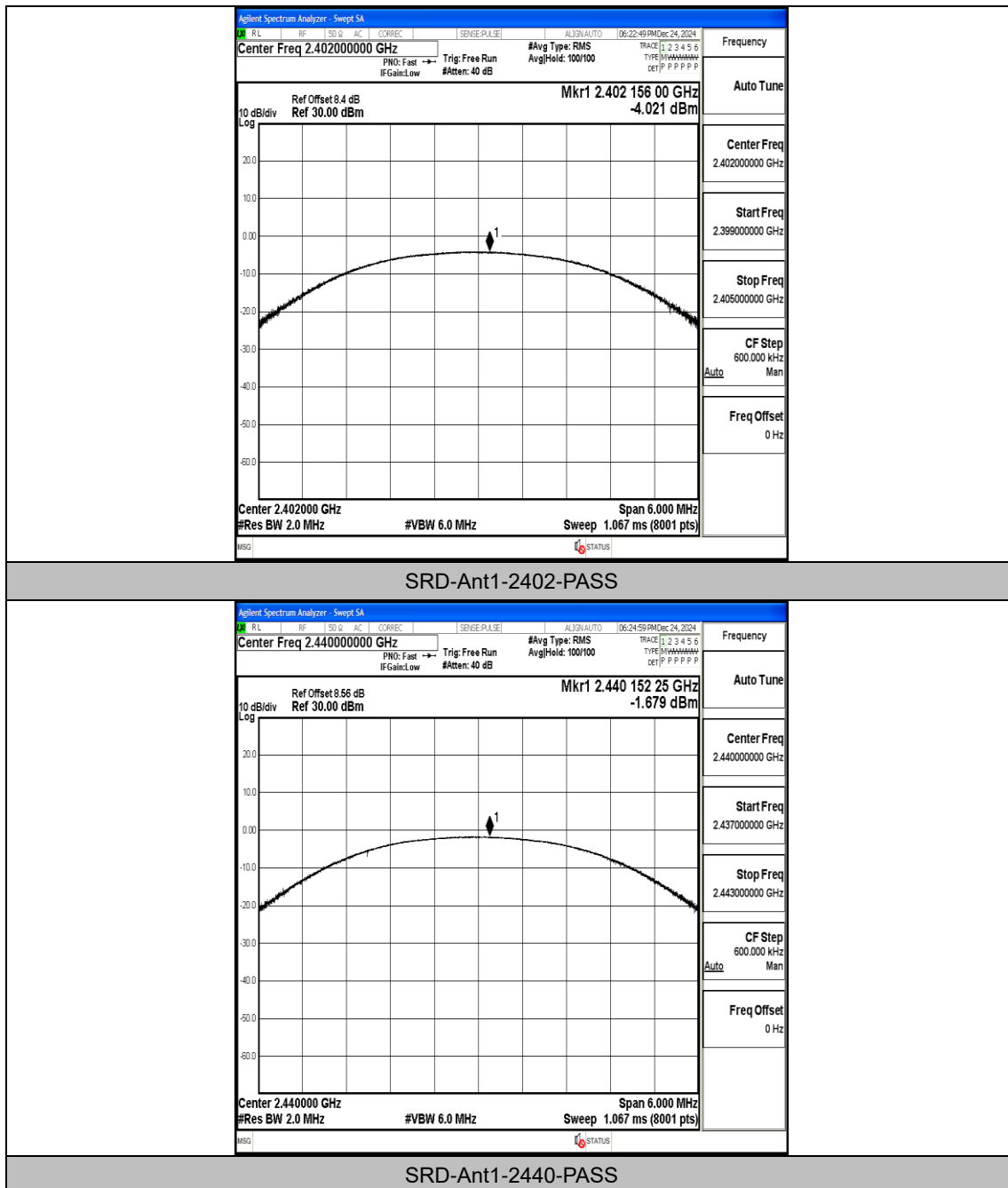


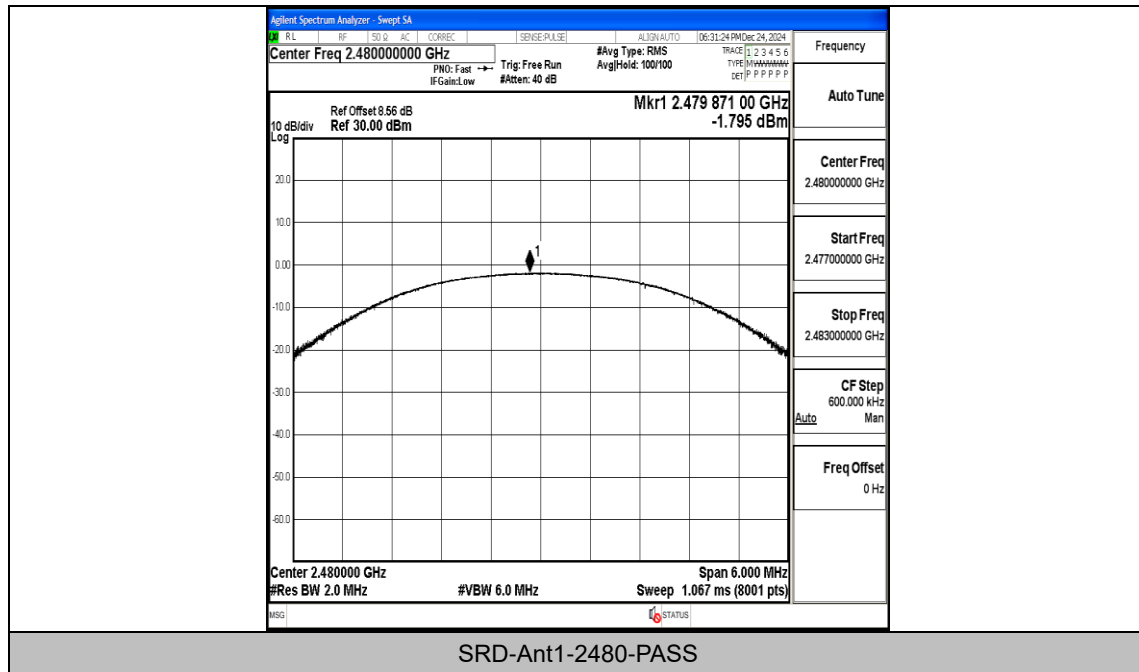
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2402	-4.02	≤30	PASS
SRD	Ant1	2440	-1.68	≤30	PASS
SRD	Ant1	2480	-1.80	≤30	PASS

Test Graphs Peak



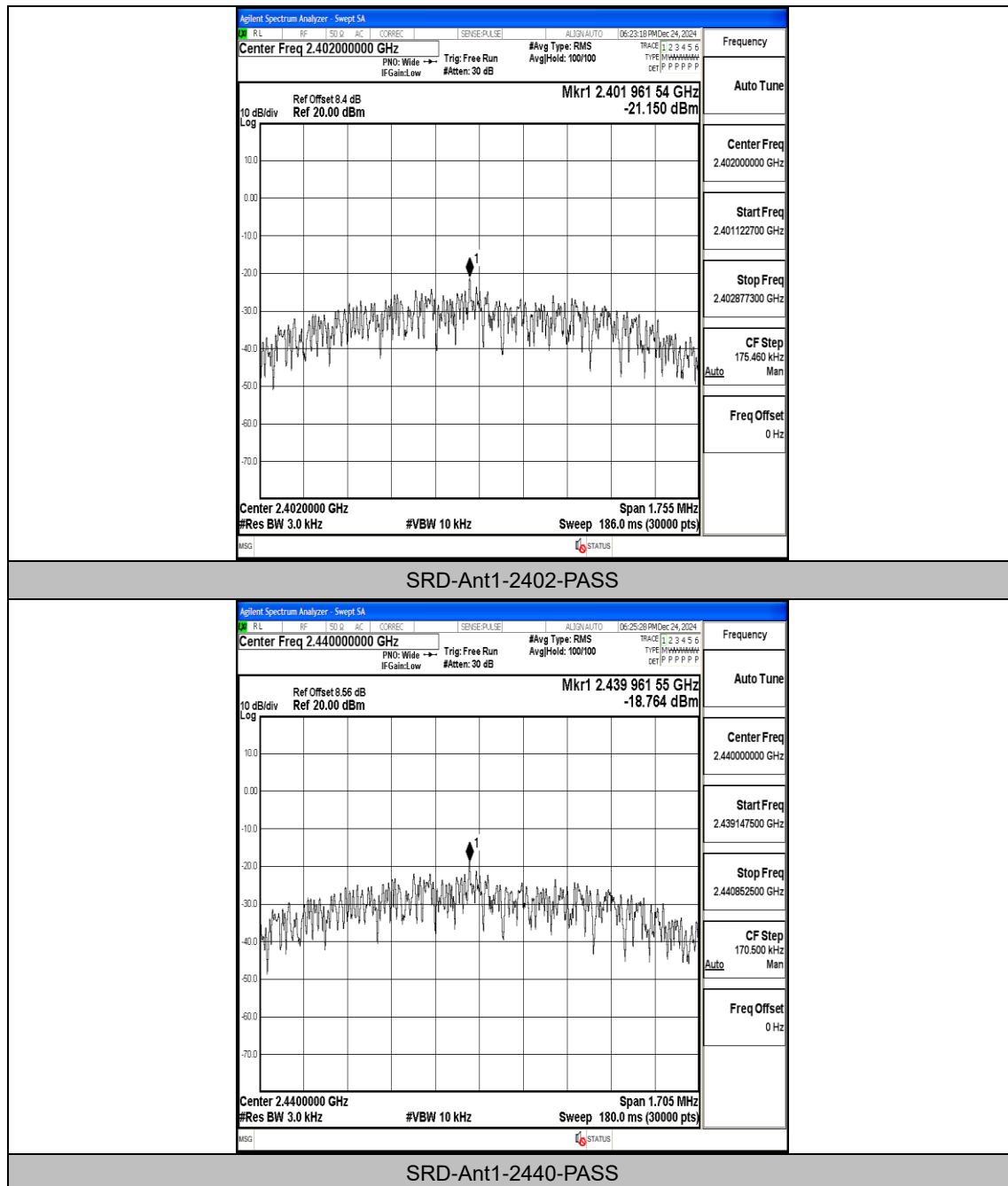


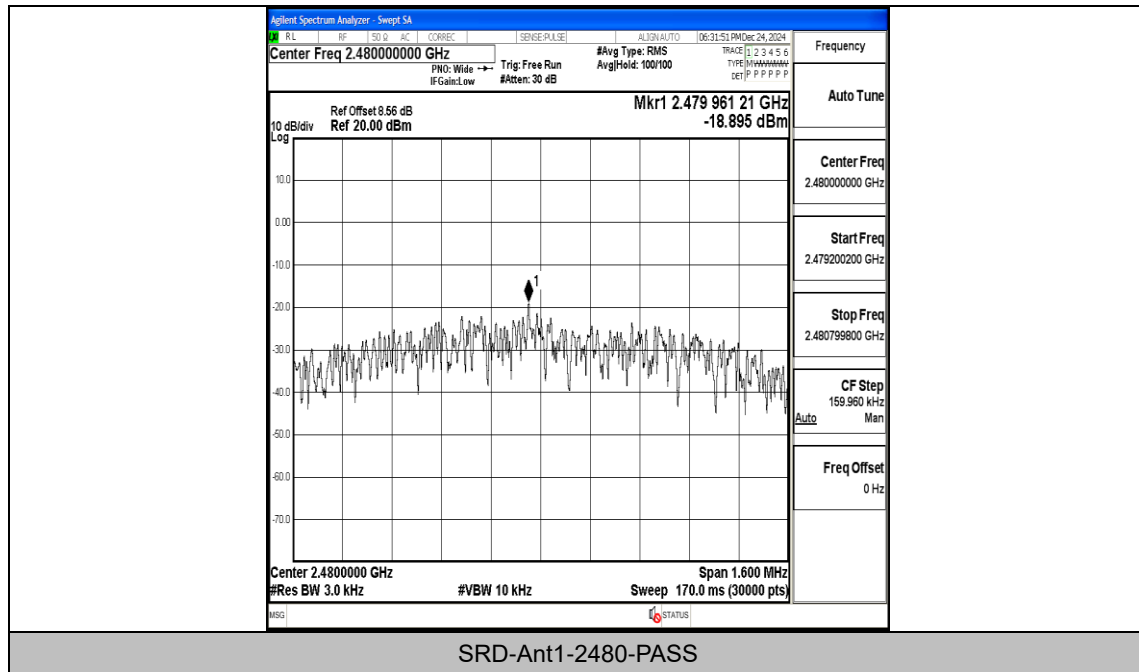
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2402	-21.15	≤8.00	PASS
SRD	Ant1	2440	-18.76	≤8.00	PASS
SRD	Ant1	2480	-18.90	≤8.00	PASS

Test Graphs



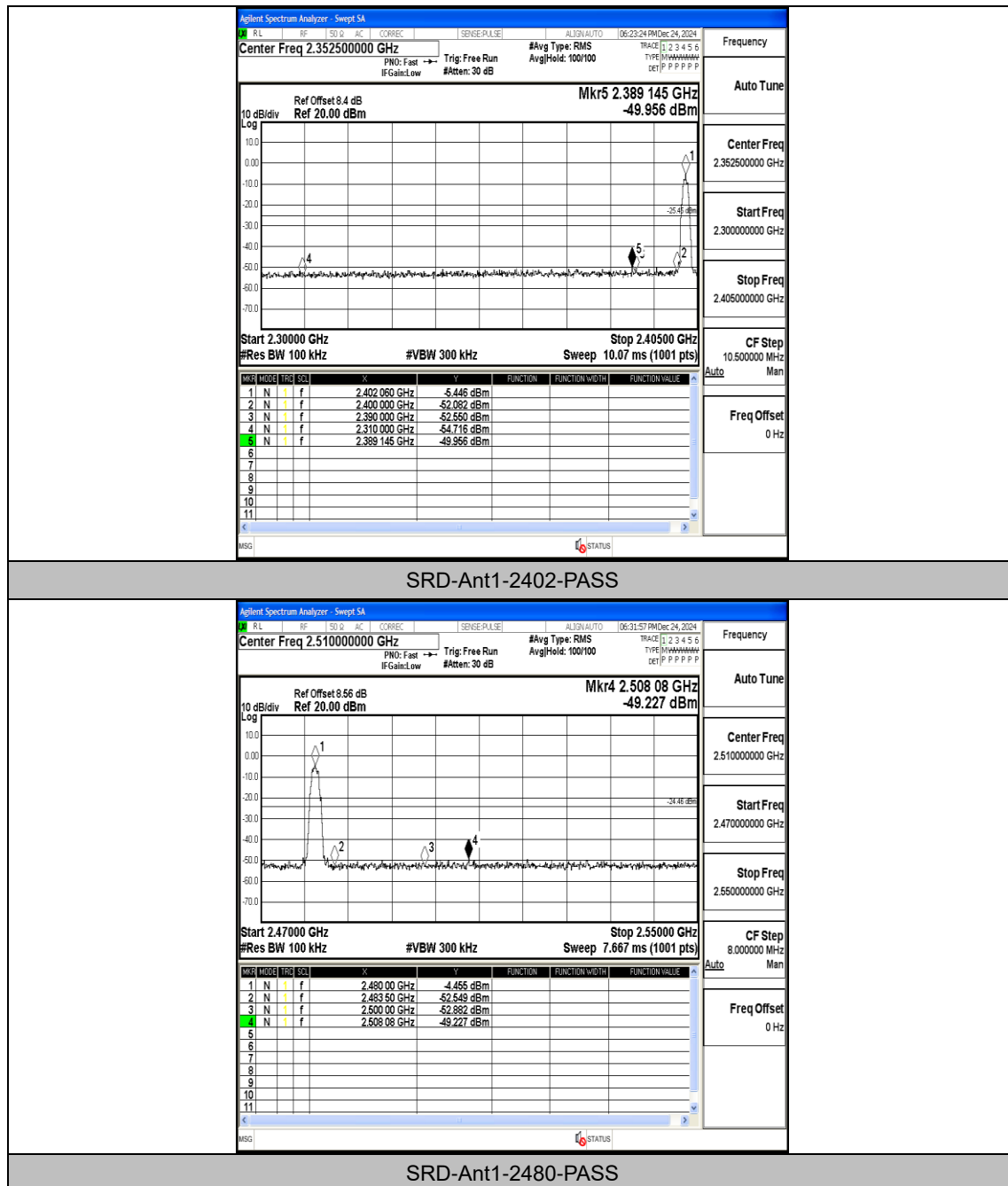


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2402	-5.45	-49.96	≤ -25.45	PASS
SRD	Ant1	High	2480	-4.46	-49.23	≤ -24.46	PASS

Test Graphs

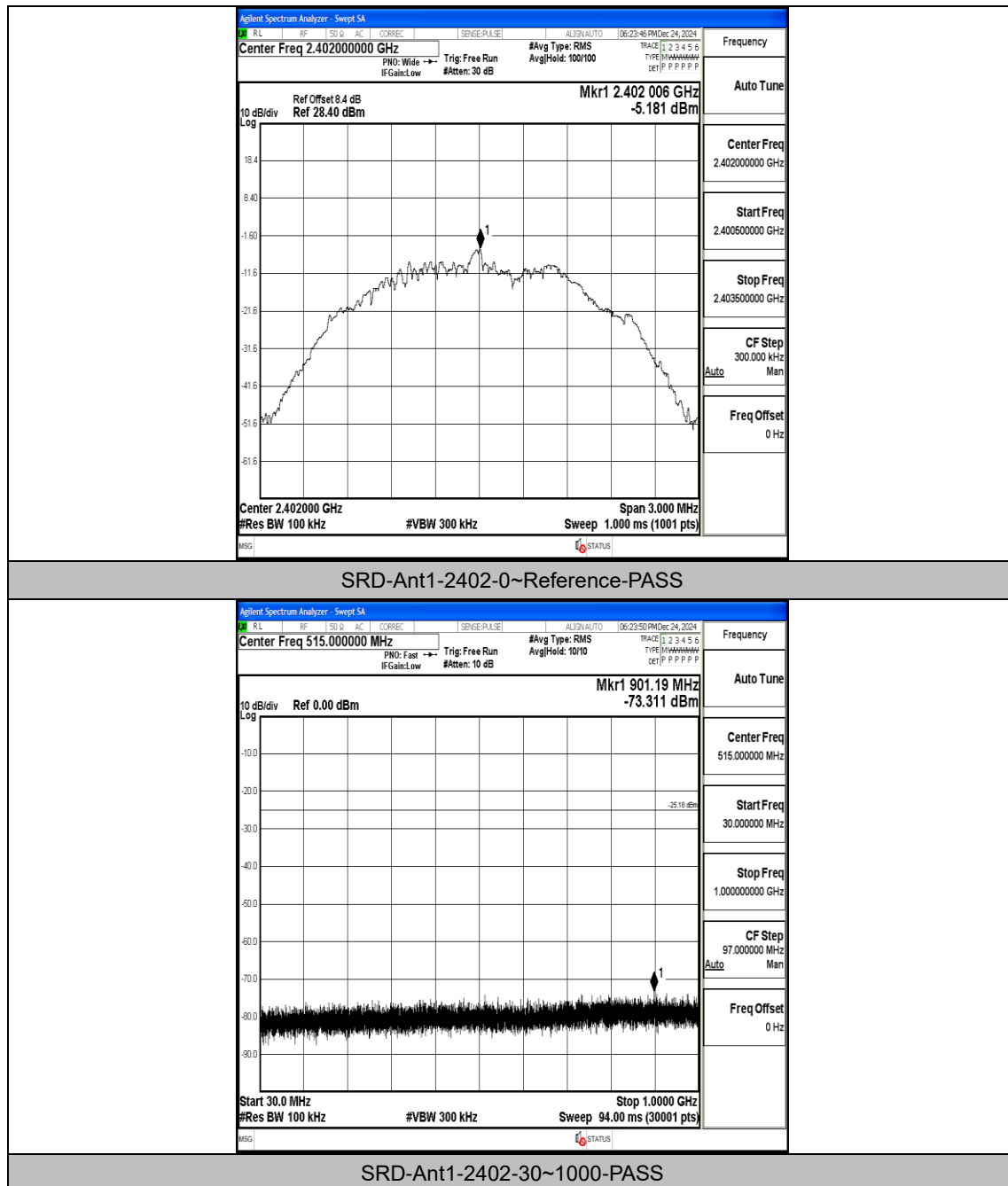


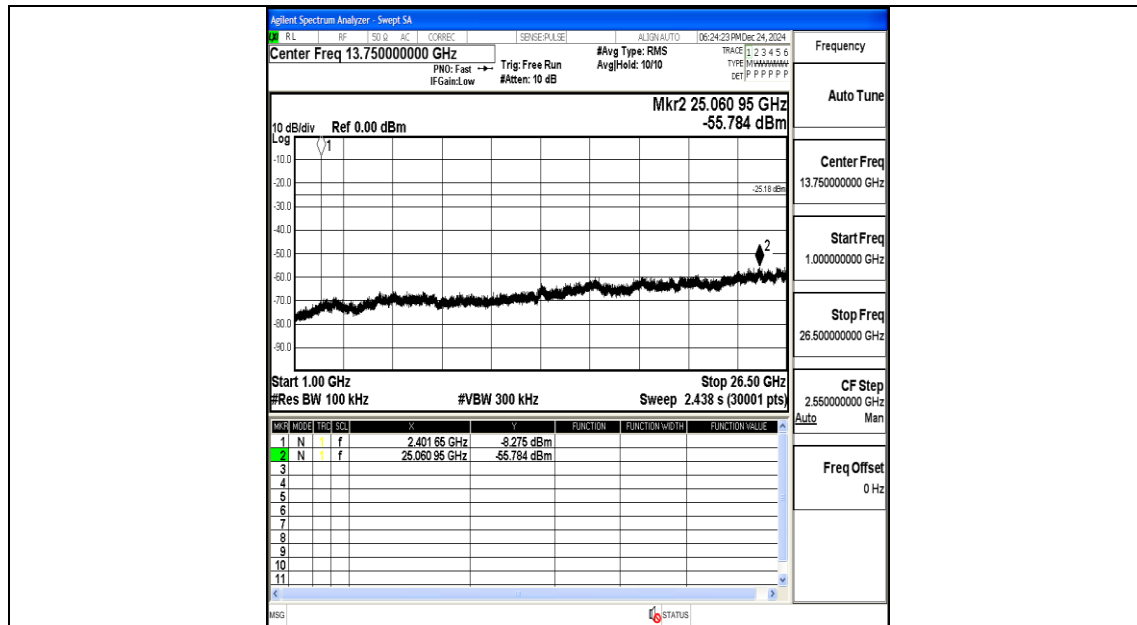
Appendix F: Conducted Spurious Emission

Test Result

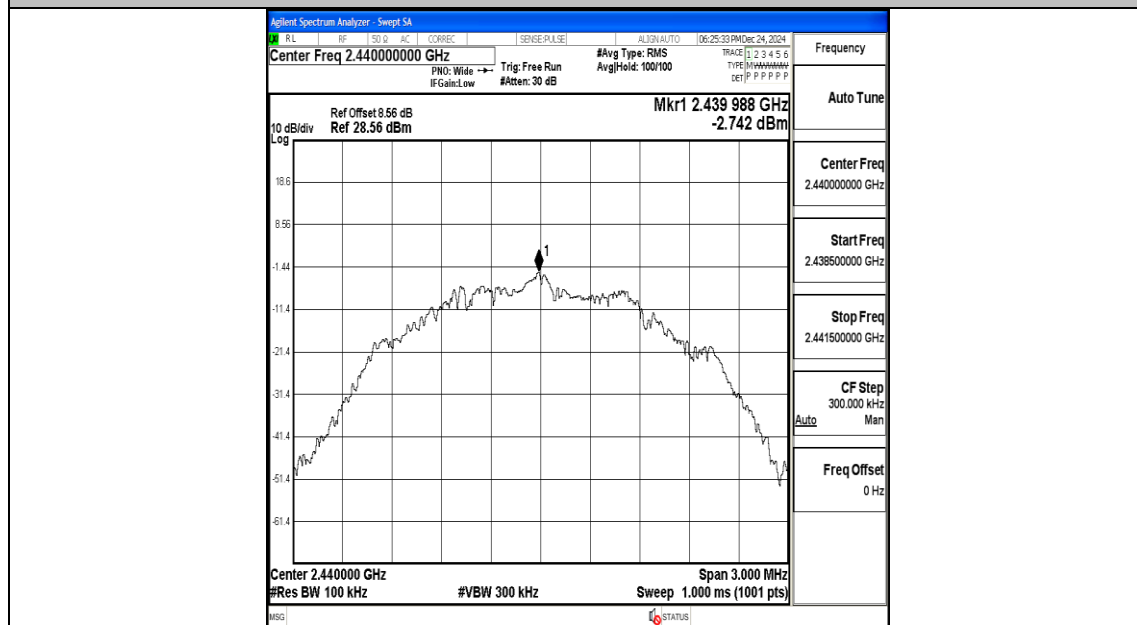
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2402	0~Reference	-5.18	-5.18	---	PASS
SRD	Ant1	2402	30~1000	-5.18	-73.31	≤ -25.18	PASS
SRD	Ant1	2402	1000~26500	-5.18	-55.78	≤ -25.18	PASS
SRD	Ant1	2440	0~Reference	-2.74	-2.74	---	PASS
SRD	Ant1	2440	30~1000	-2.74	-73.41	≤ -22.74	PASS
SRD	Ant1	2440	1000~26500	-2.74	-55.73	≤ -22.74	PASS
SRD	Ant1	2480	0~Reference	-4.13	-4.13	---	PASS
SRD	Ant1	2480	30~1000	-4.13	-73.24	≤ -24.13	PASS
SRD	Ant1	2480	1000~26500	-4.13	-54.8	≤ -24.13	PASS

Test Graphs

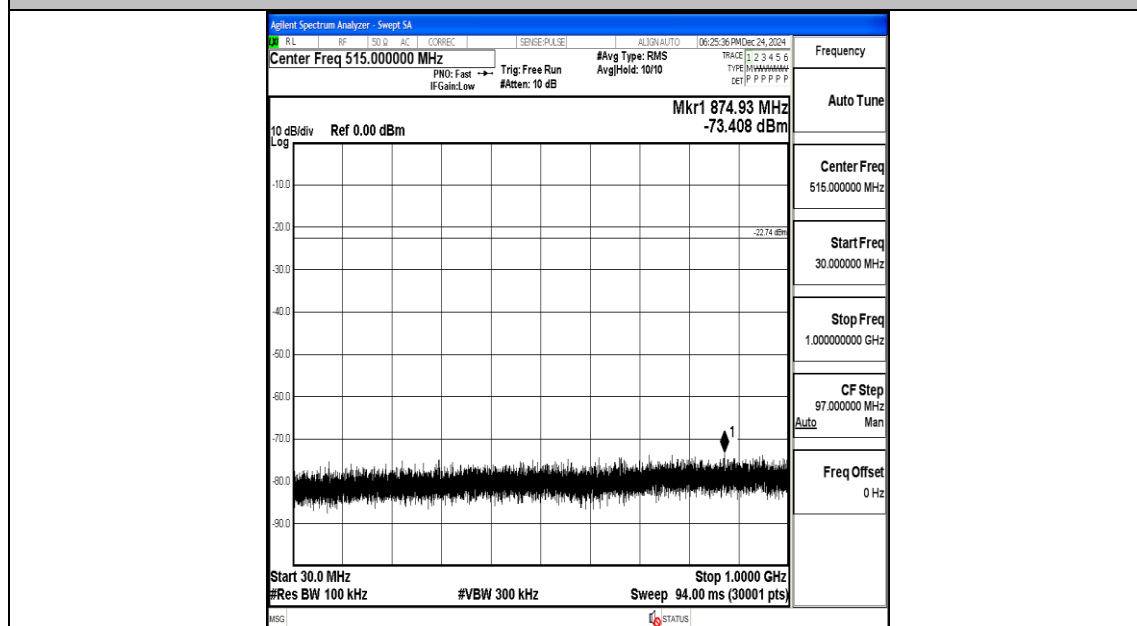




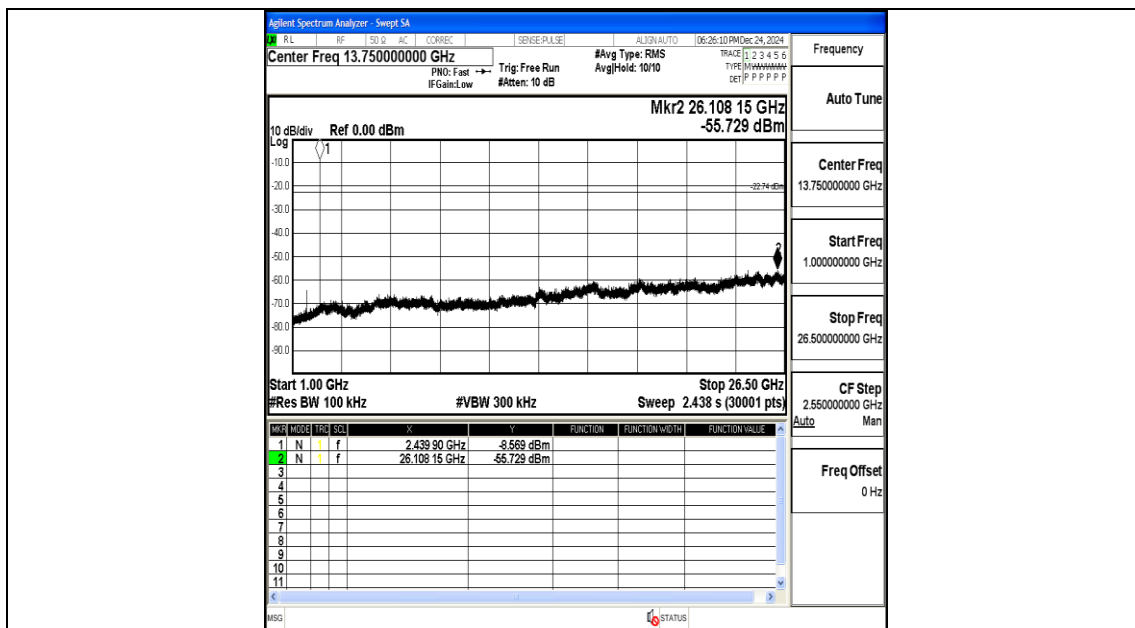
SRD-Ant1-2402-1000~26500-PASS



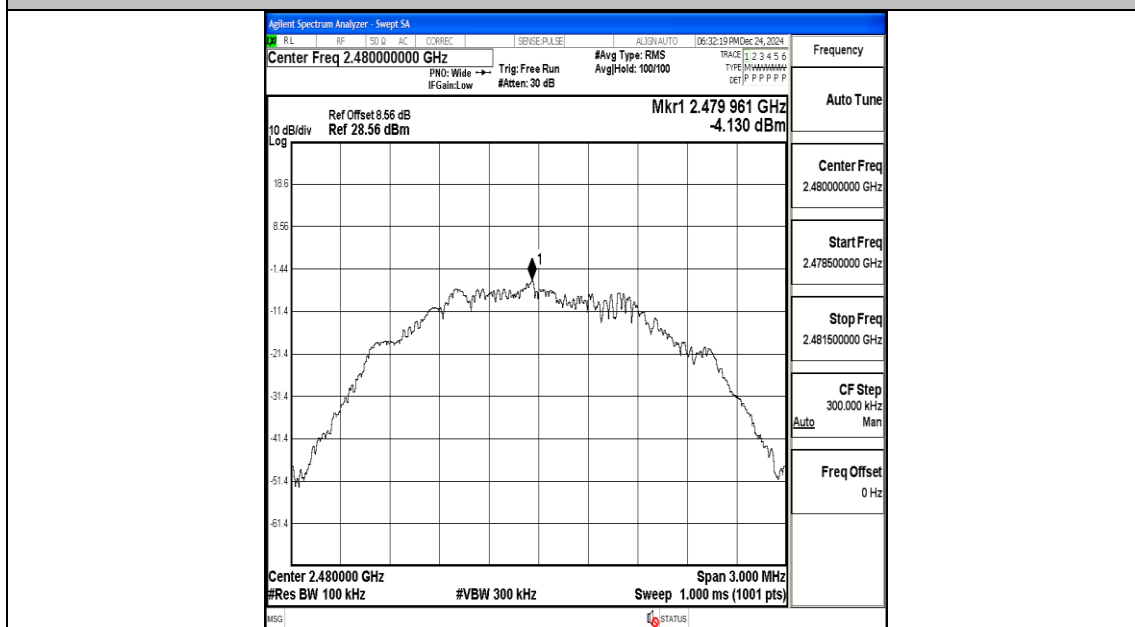
SRD-Ant1-2440-0~Reference-PASS



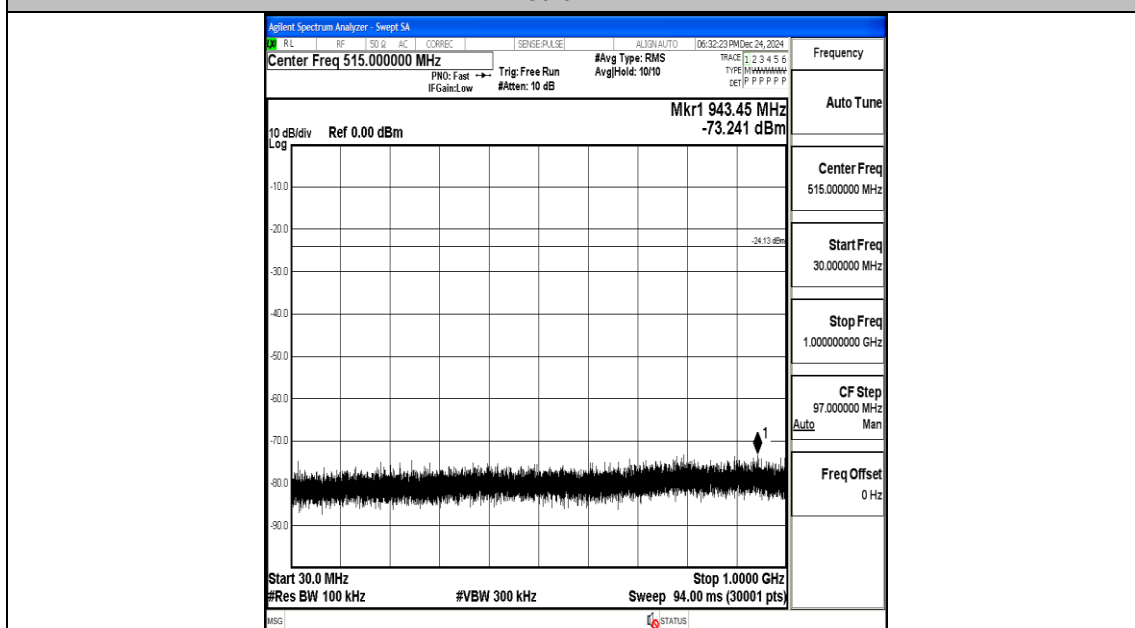
SRD-Ant1-2440-30~1000-PASS



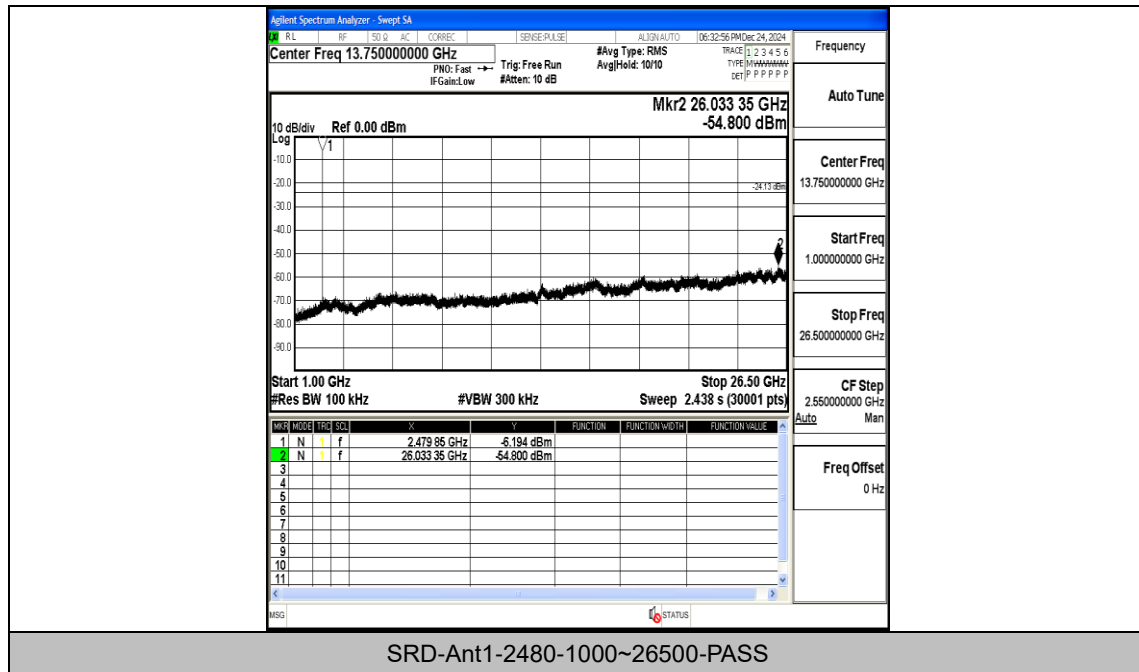
SRD-Ant1-2440-1000~26500-PASS



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

