

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Mechanical Keyboard

Trade Mark: Keychron

Test Model: B6 Pro

FCC ID: 2BGKB-B6PRO

Environmental Conditions

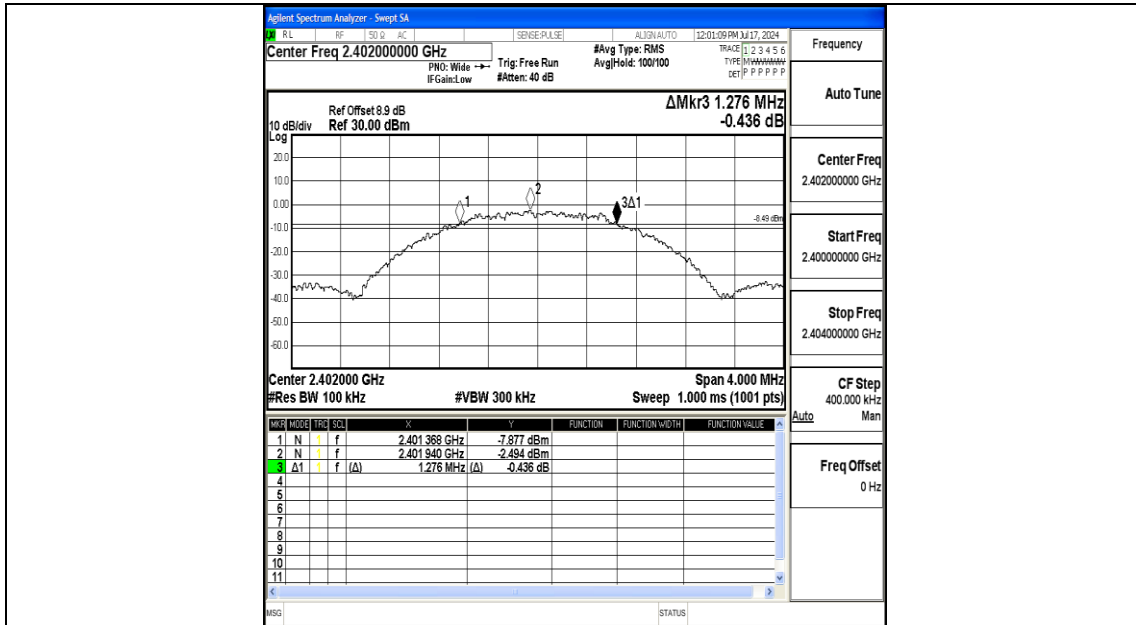
Temperature:	23.8°C
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

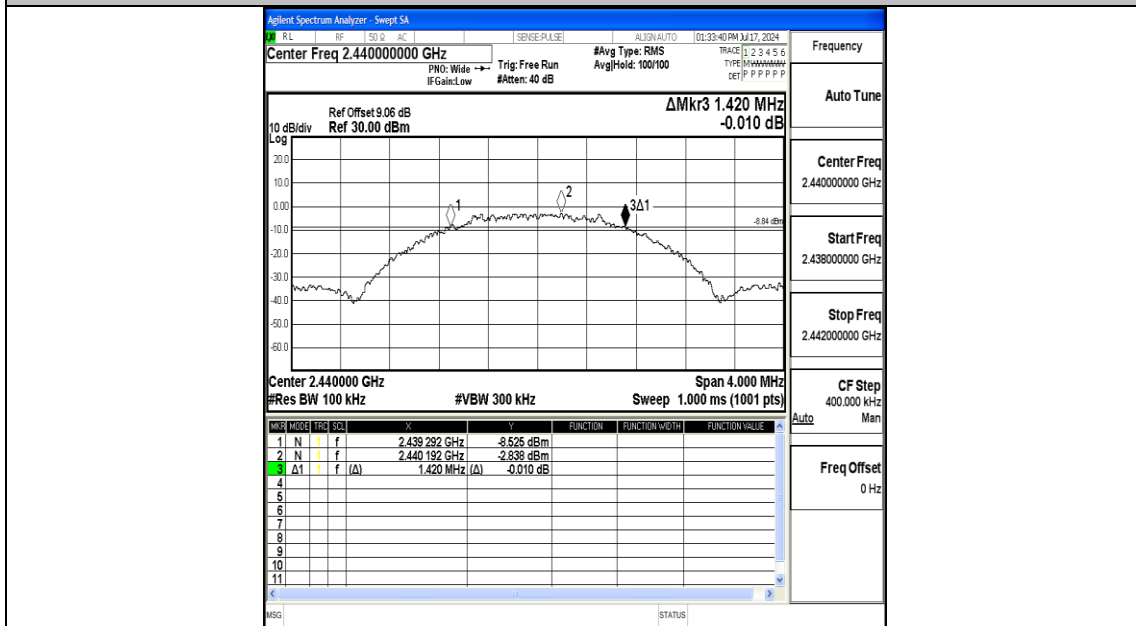
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.276	2401.368	2402.644	0.5	PASS
SRD	Ant1	2440	1.420	2439.292	2440.712	0.5	PASS
SRD	Ant1	2480	1.336	2479.320	2480.656	0.5	PASS

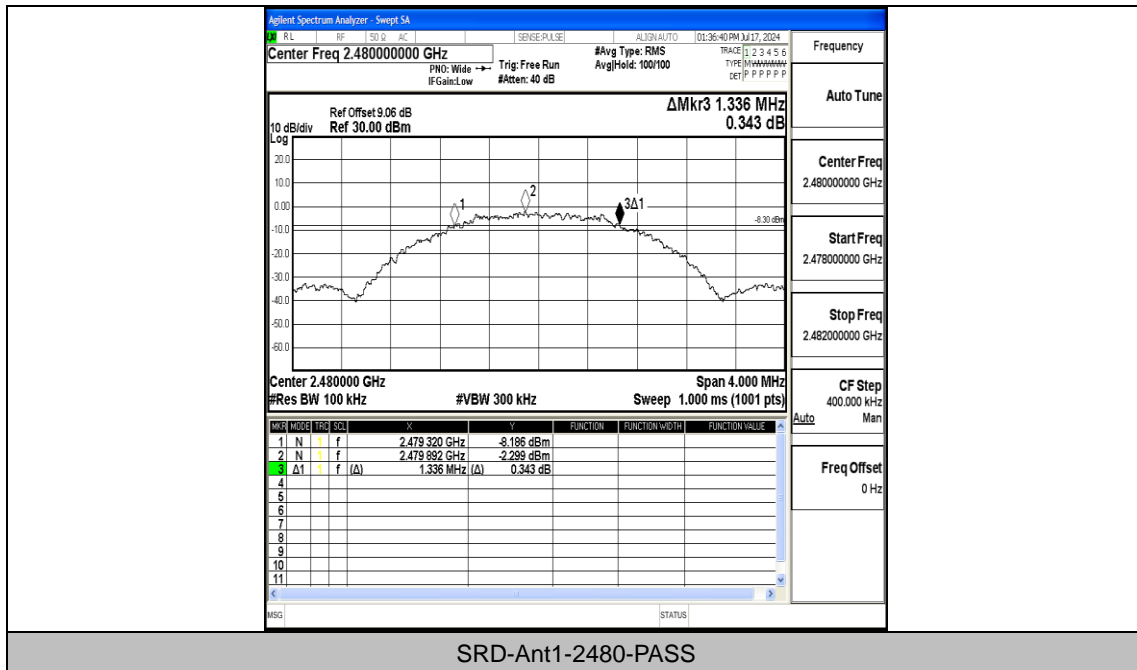
Test Graphs



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS

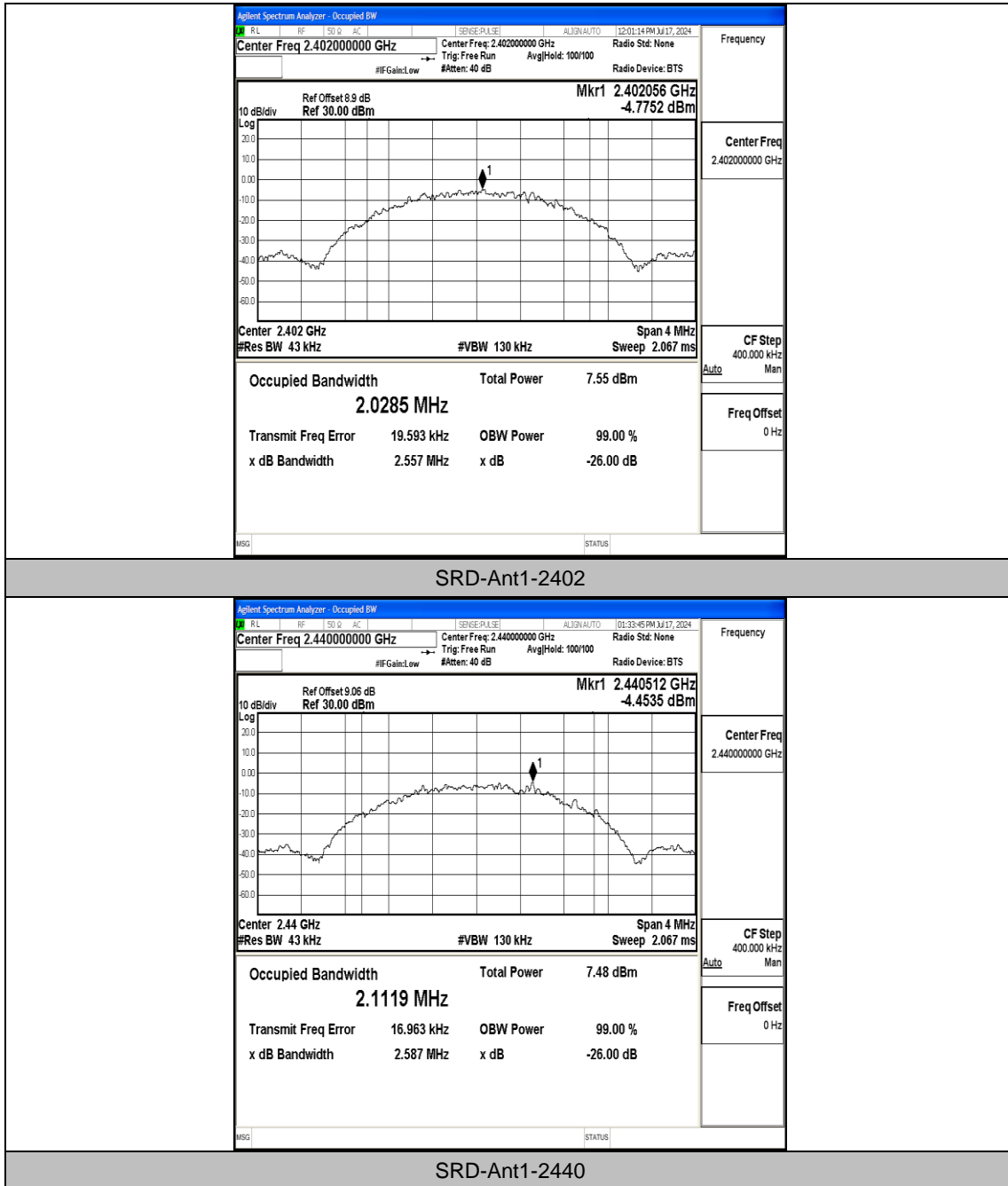


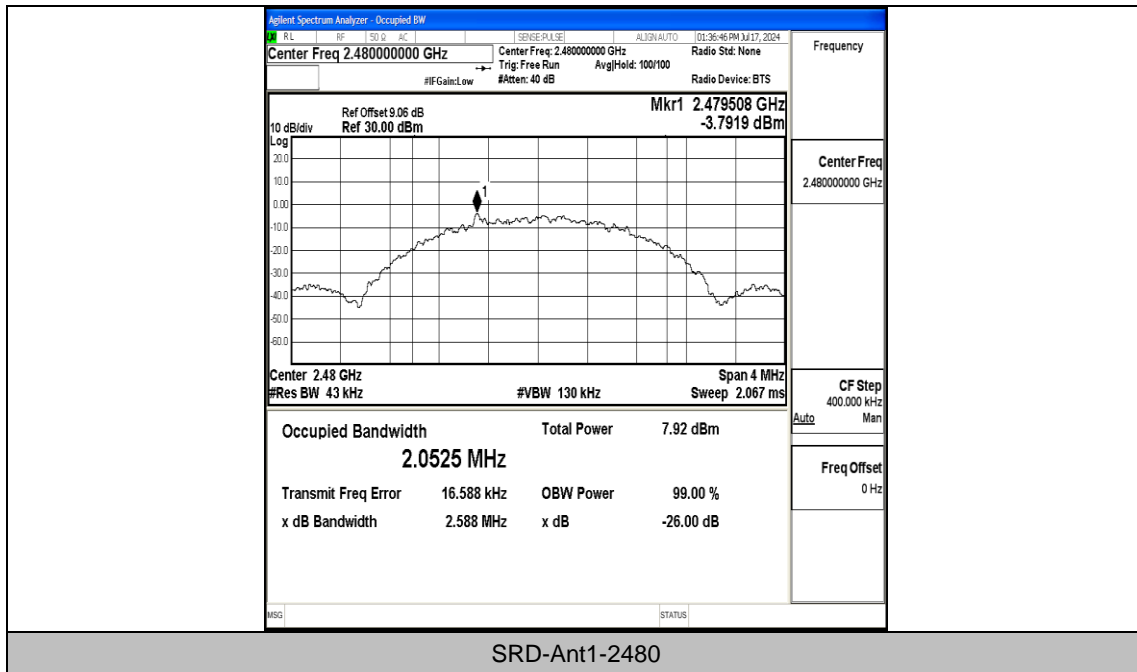
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	2.0285	2401.0053	2403.0338	---	---
SRD	Ant1	2440	2.1119	2438.9610	2441.0729	---	---
SRD	Ant1	2480	2.0525	2478.9903	2481.0428	---	---

Test Graphs



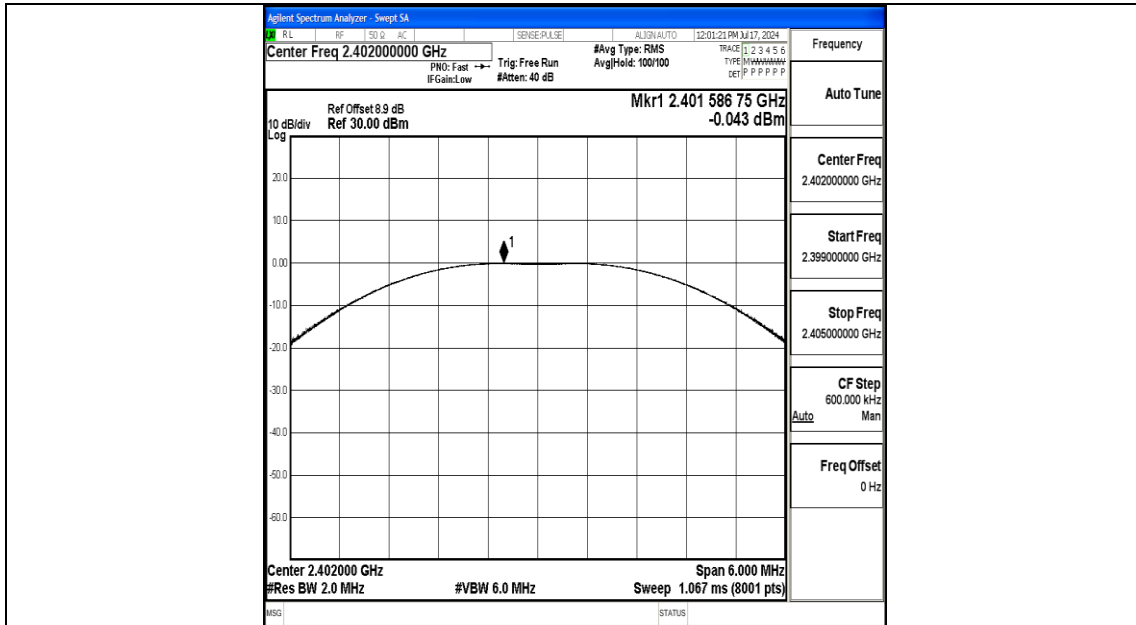


Appendix C: Maximum peak conducted output power

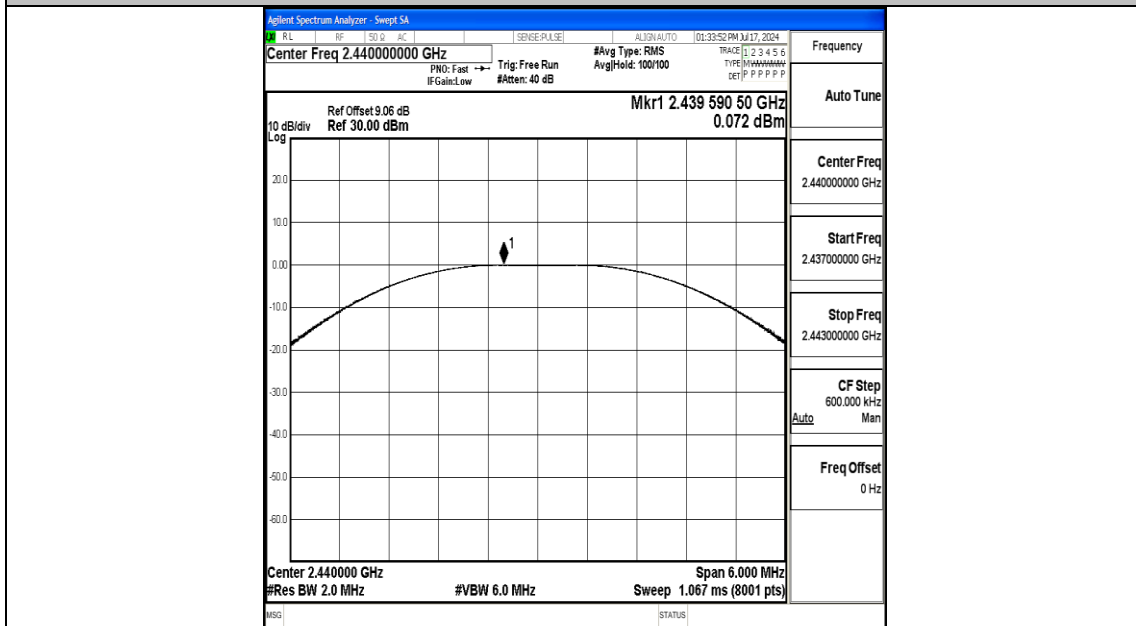
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2402	-0.04	≤30	PASS
SRD	Ant1	2440	0.07	≤30	PASS
SRD	Ant1	2480	0.41	≤30	PASS

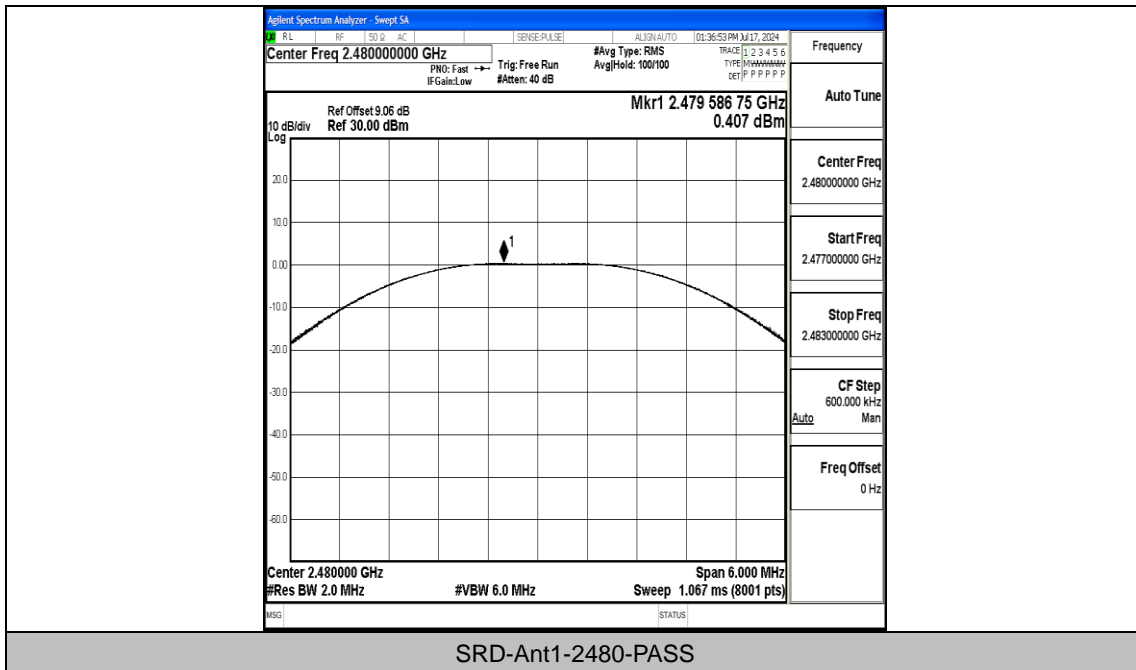
Test Graphs Peak



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS

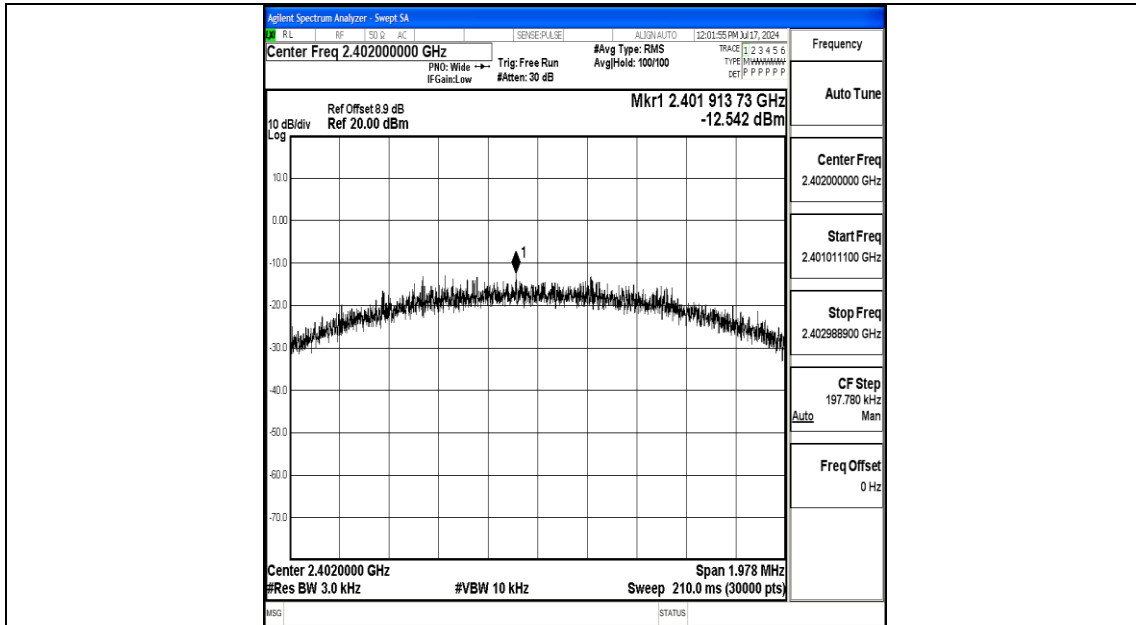


Appendix D: Maximum peak power spectral density

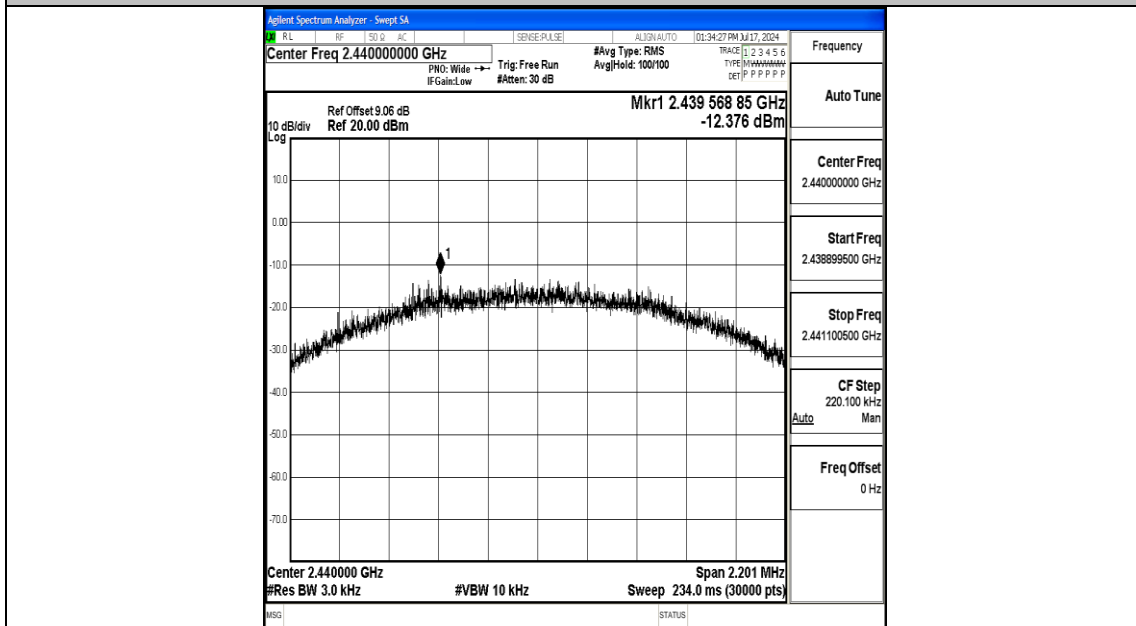
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-12.54	≤8.00	PASS
SRD	Ant1	2440	-12.38	≤8.00	PASS
SRD	Ant1	2480	-11.77	≤8.00	PASS

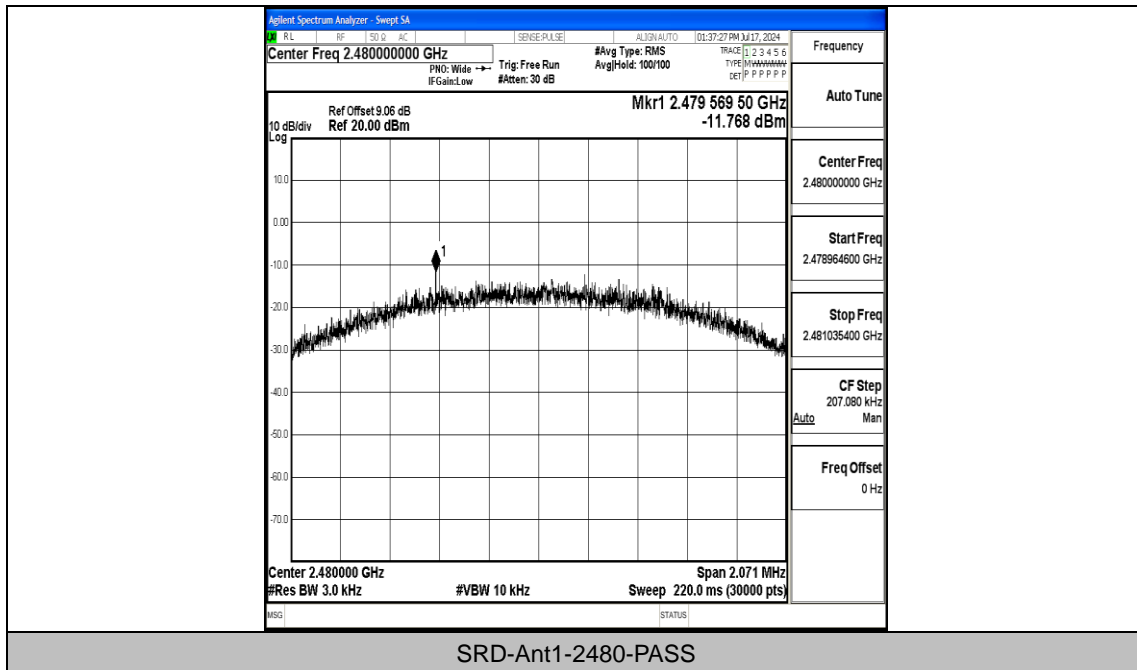
Test Graphs



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS

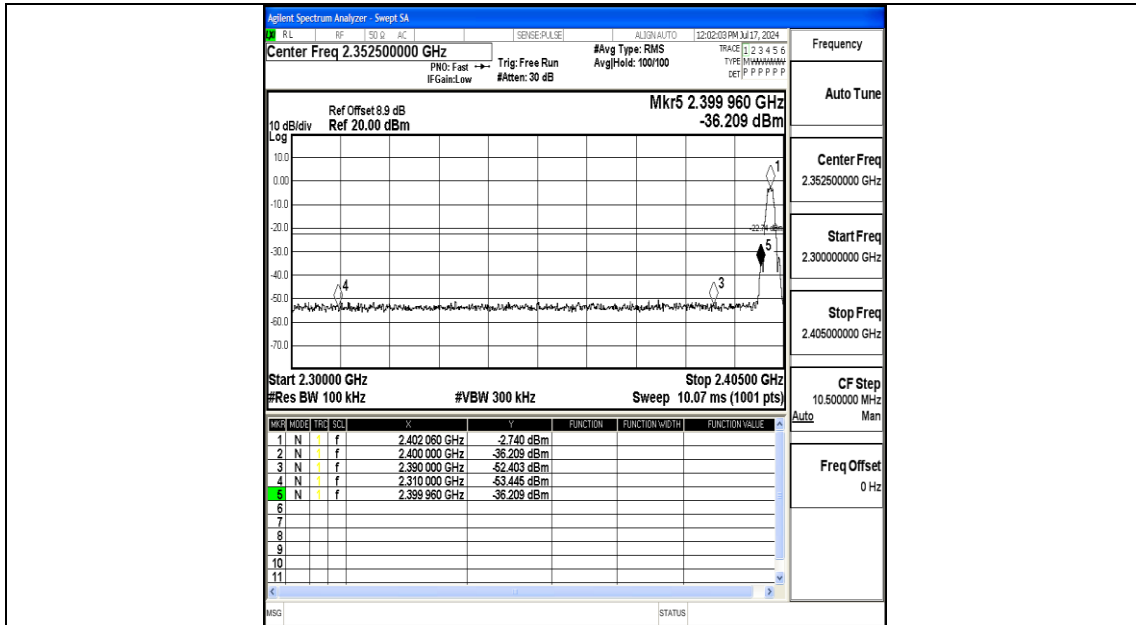


Appendix E: Band edge measurements

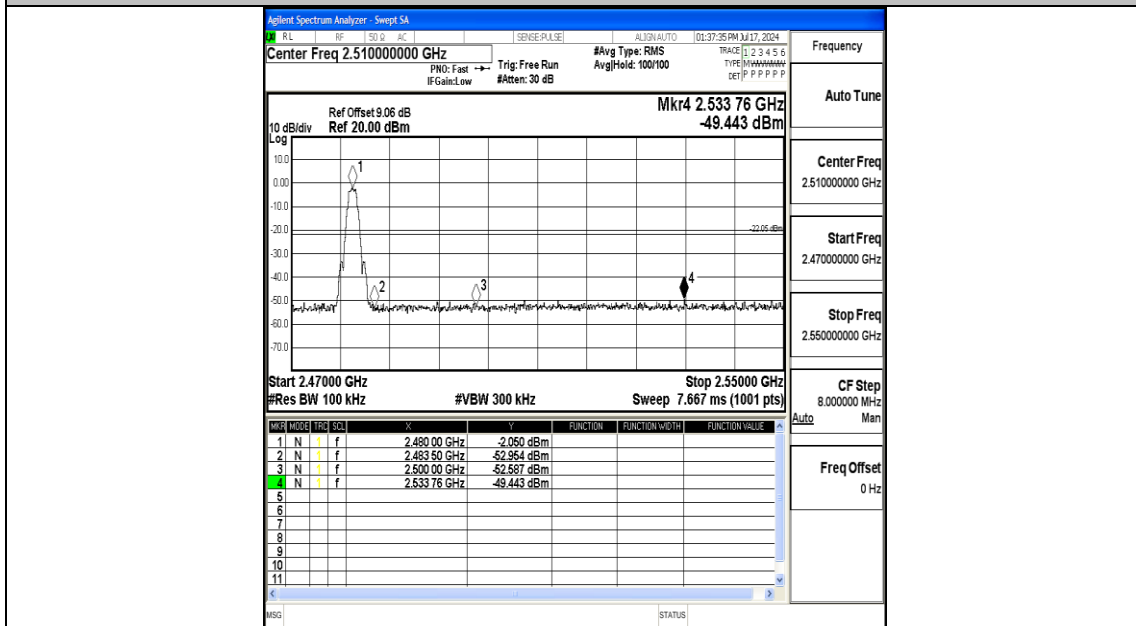
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-2.74	-36.21	≤-22.74	PASS
SRD	Ant1	High	2480	-2.05	-49.44	≤-22.05	PASS

Test Graphs



SRD-Ant1-2402-PASS



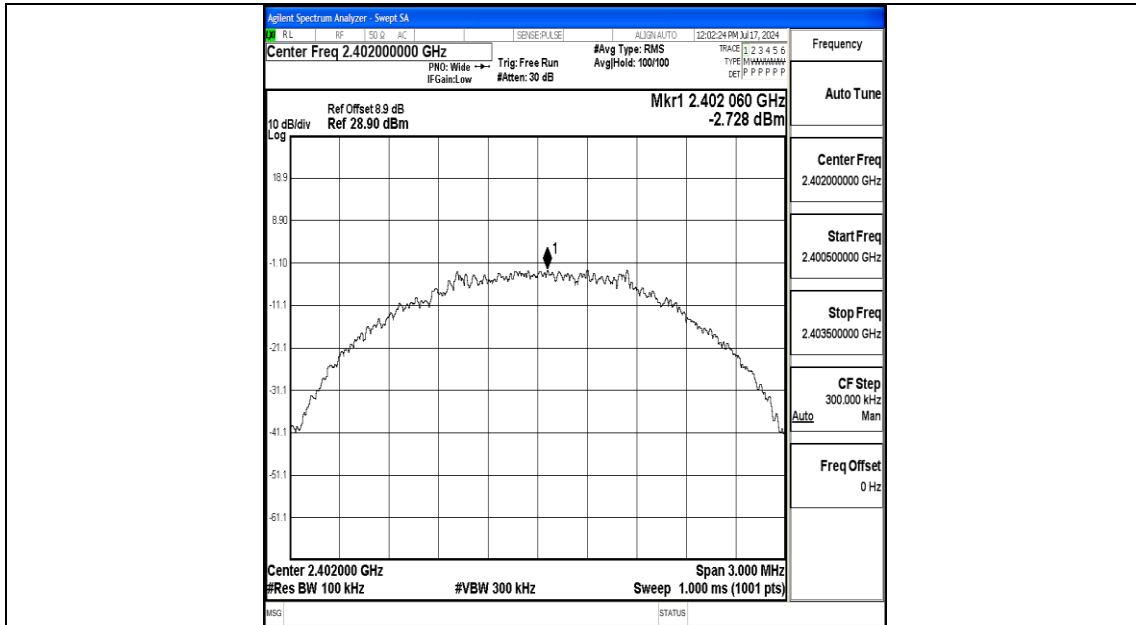
SRD-Ant1-2480-PASS

Appendix F: Conducted Spurious Emission

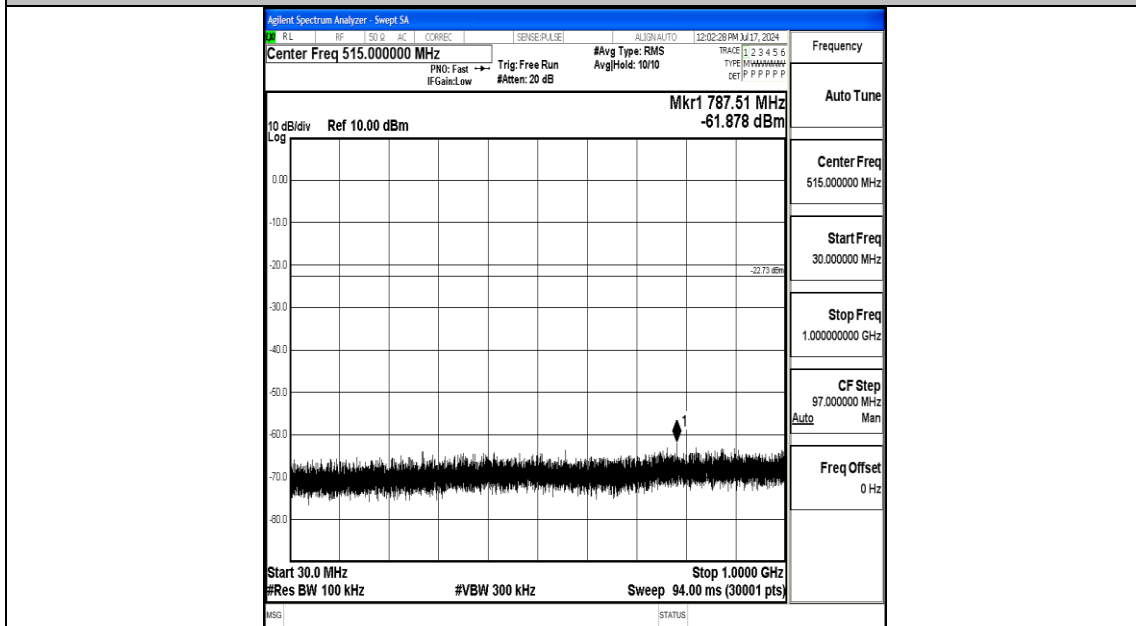
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	0~Reference	-2.73	-2.73	---	PASS
SRD	Ant1	2402	30~1000	-2.73	-61.88	≤-22.73	PASS
SRD	Ant1	2402	1000~26500	-2.73	-50.14	≤-22.73	PASS
SRD	Ant1	2440	0~Reference	-1.94	-1.94	---	PASS
SRD	Ant1	2440	30~1000	-1.94	-61.9	≤-21.94	PASS
SRD	Ant1	2440	1000~26500	-1.94	-49.34	≤-21.94	PASS
SRD	Ant1	2480	0~Reference	-1.87	-1.87	---	PASS
SRD	Ant1	2480	30~1000	-1.87	-62.7	≤-21.87	PASS
SRD	Ant1	2480	1000~26500	-1.87	-50.42	≤-21.87	PASS

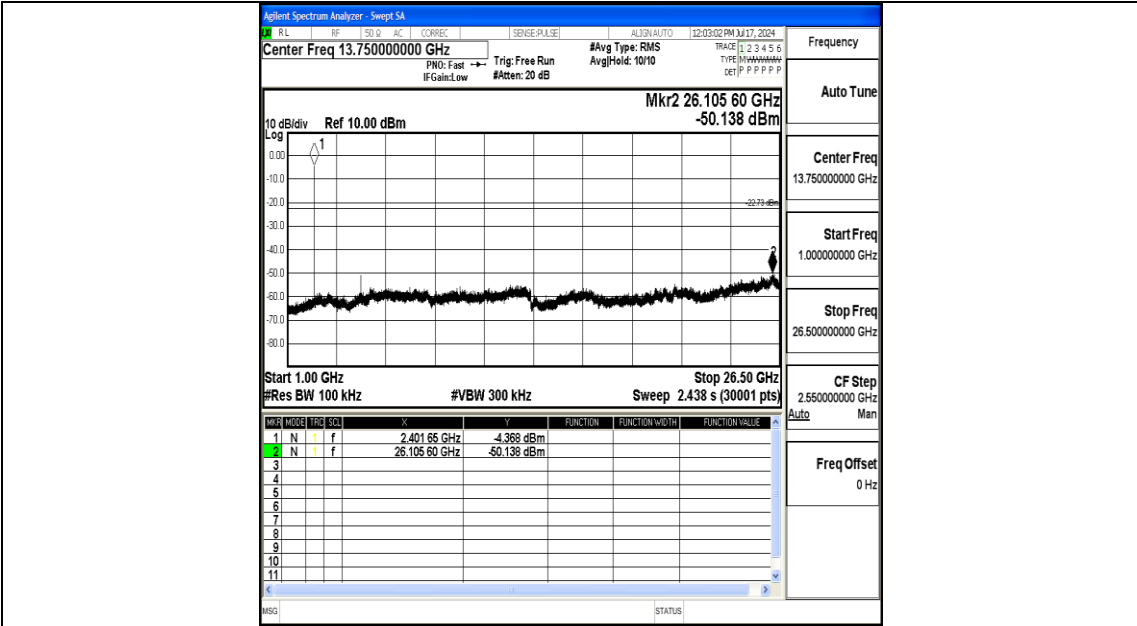
Test Graphs



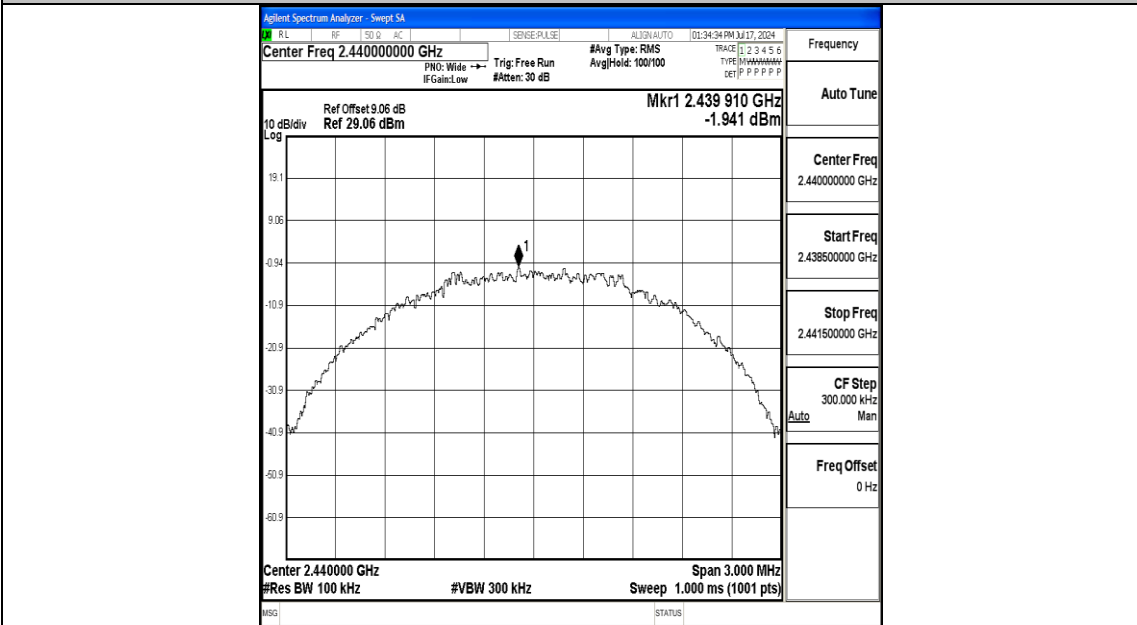
SRD-Ant1-2402-0~Reference-PASS



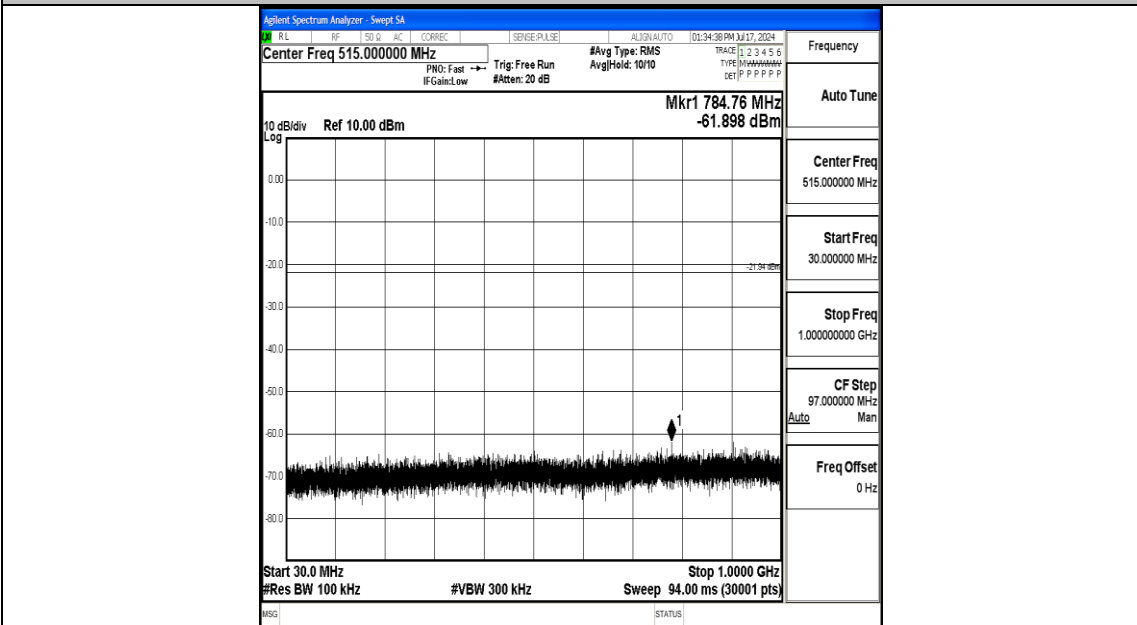
SRD-Ant1-2402-30~1000-PASS



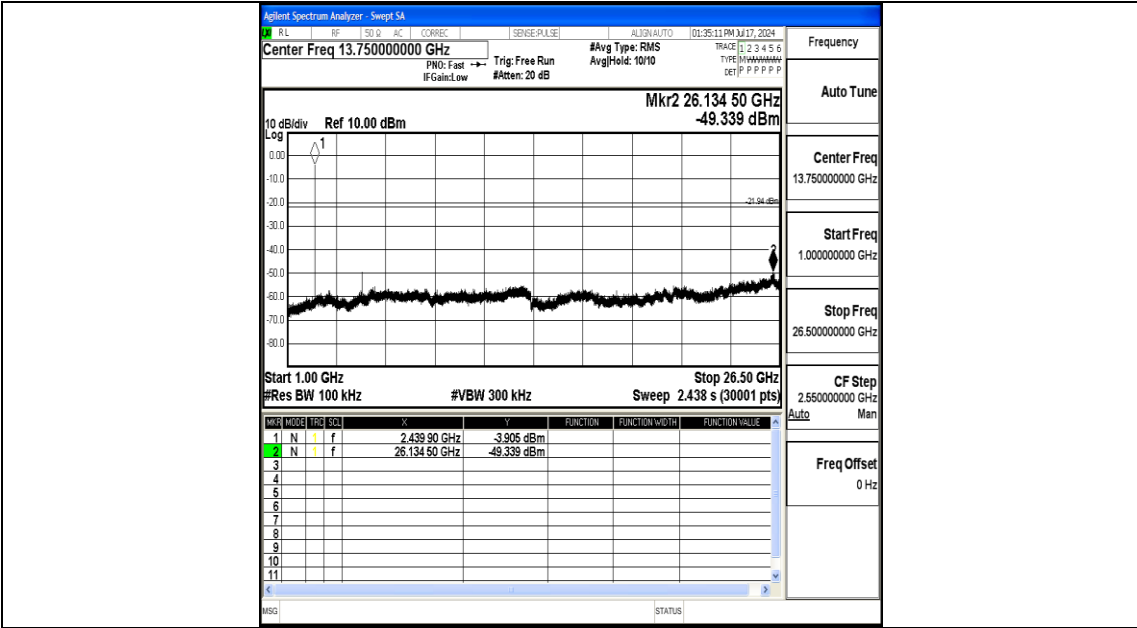
SRD-Ant1-2402-1000~26500-PASS



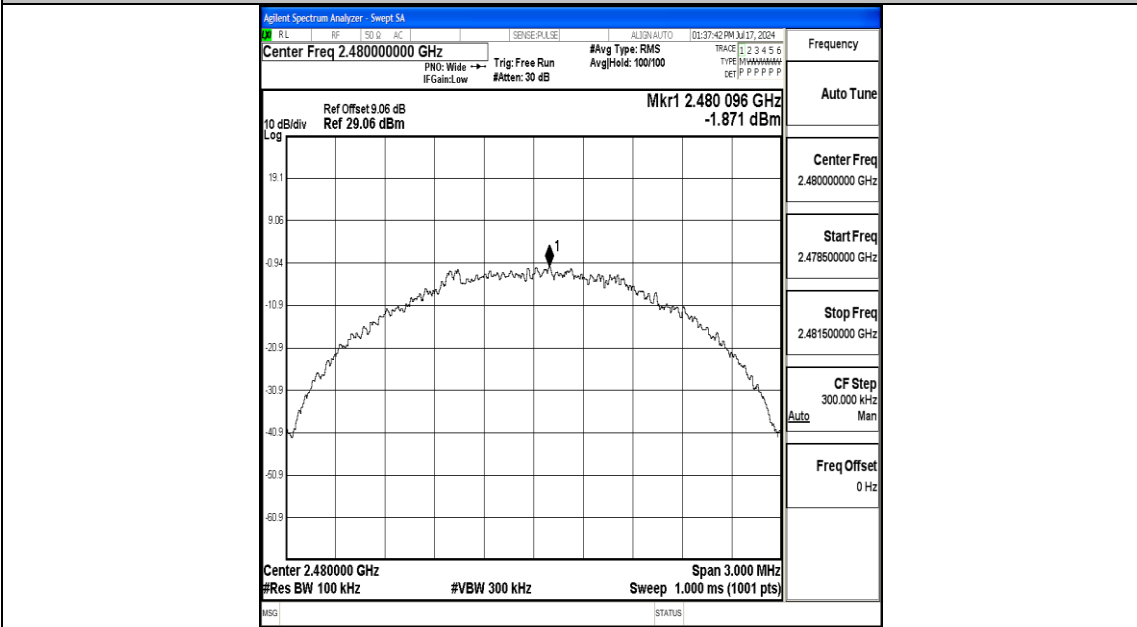
SRD-Ant1-2440-0~Reference-PASS



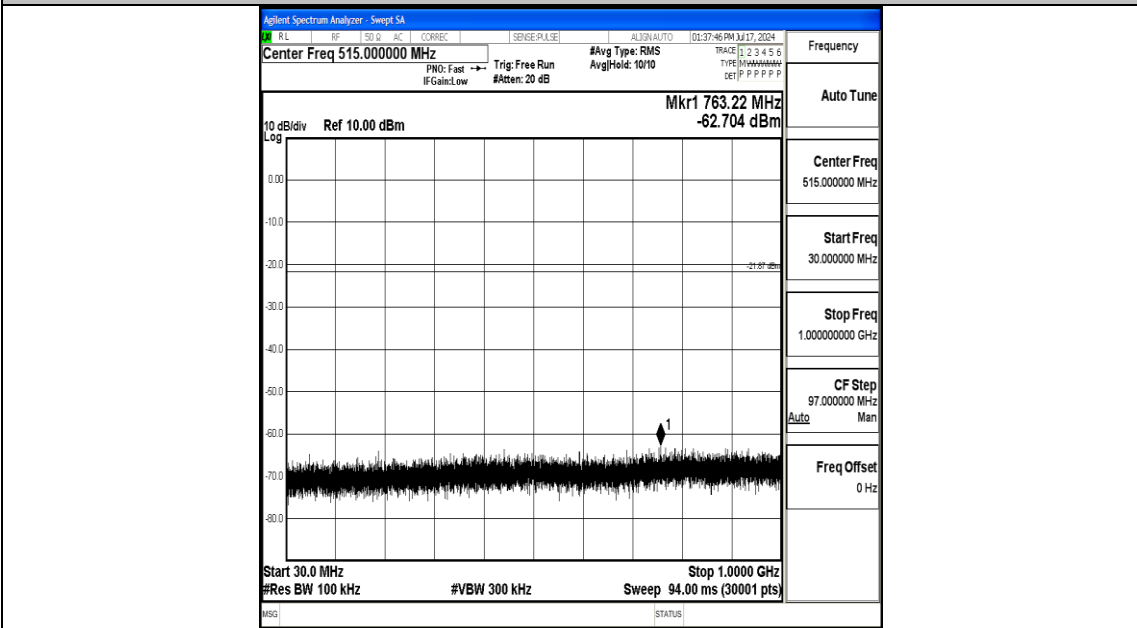
SRD-Ant1-2440-30~1000-PASS



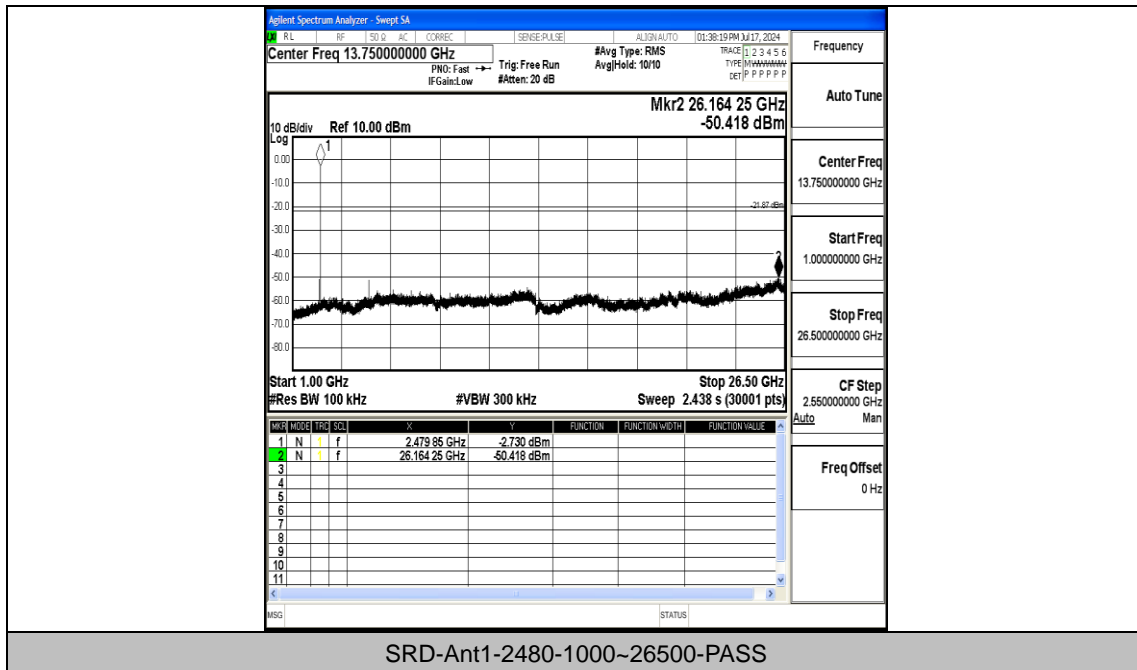
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2480-0~Reference-PASS



SRD-Ant1-2480-30~1000-PASS

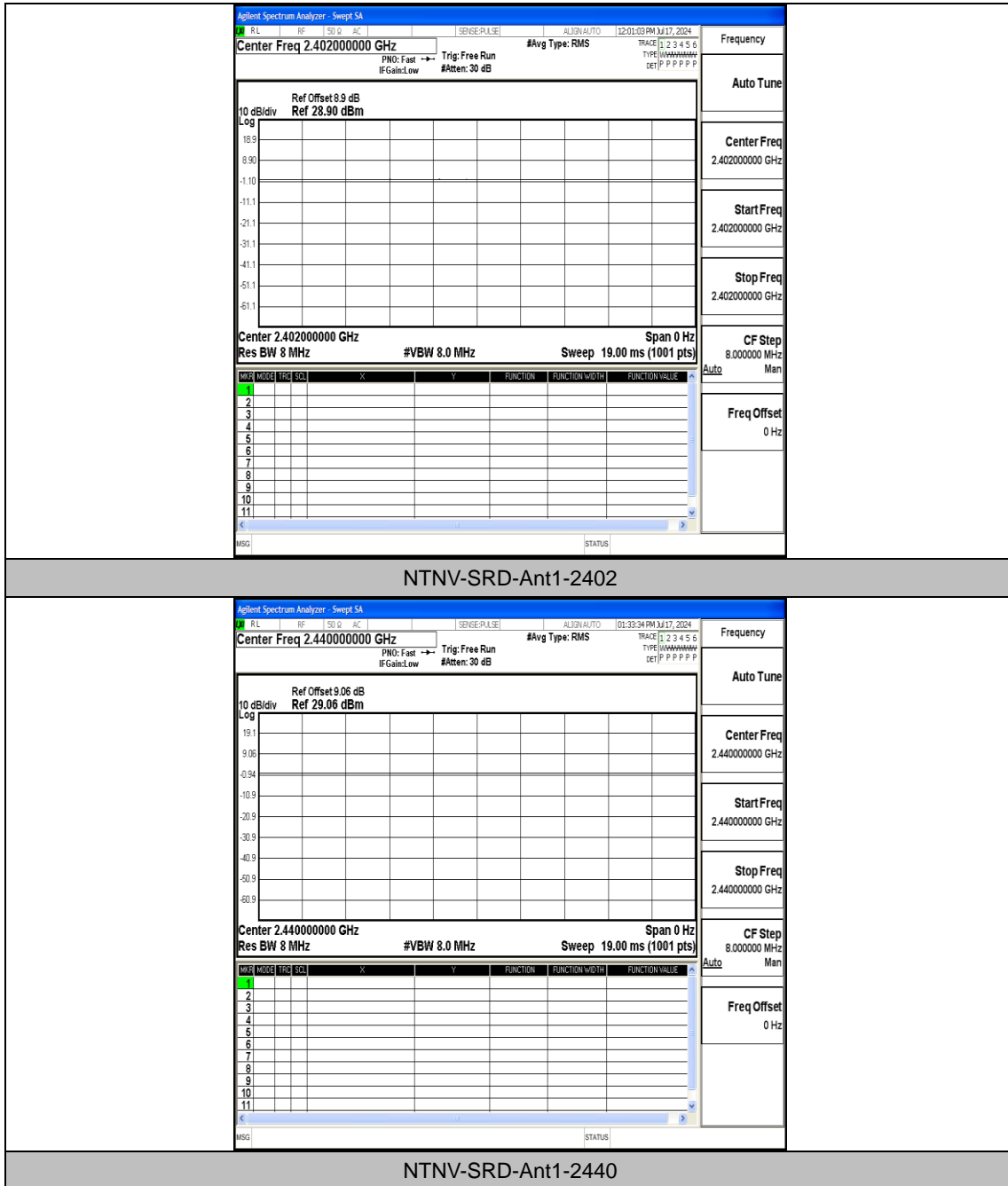


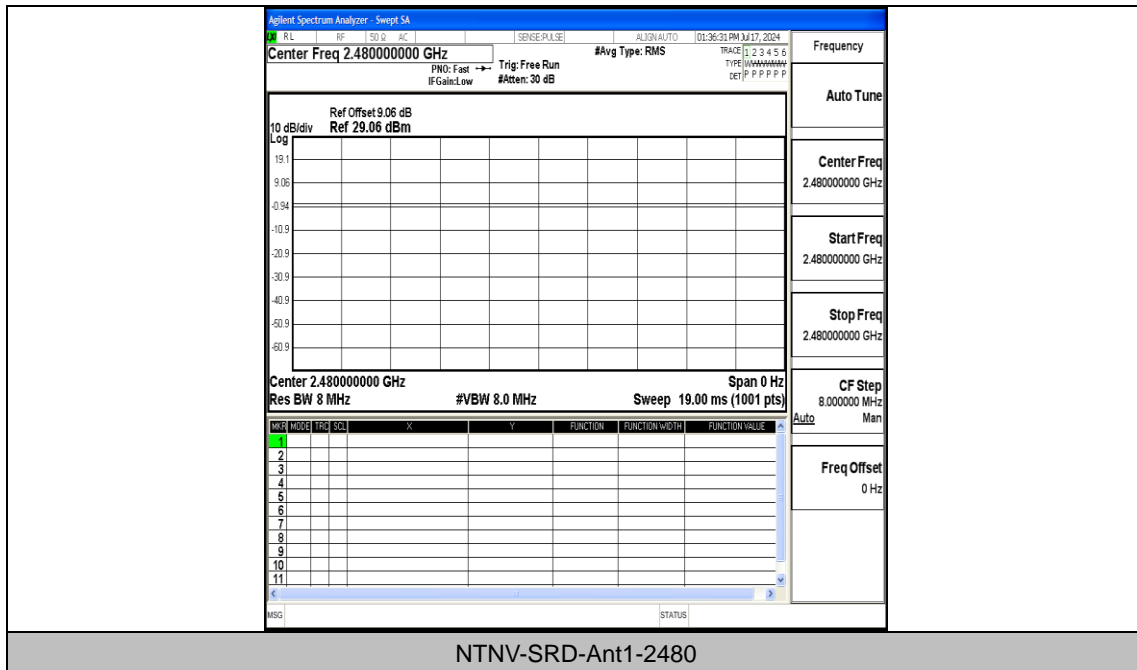
Appendix G: Duty Cycle

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





NTNV-SRD-Ant1-2480

