

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Wireless Mechanical Keyboard

Trade Mark: Keychron

Test Model: V2 Max

FCC ID: 2BGKB-V2MAX

Environmental Conditions

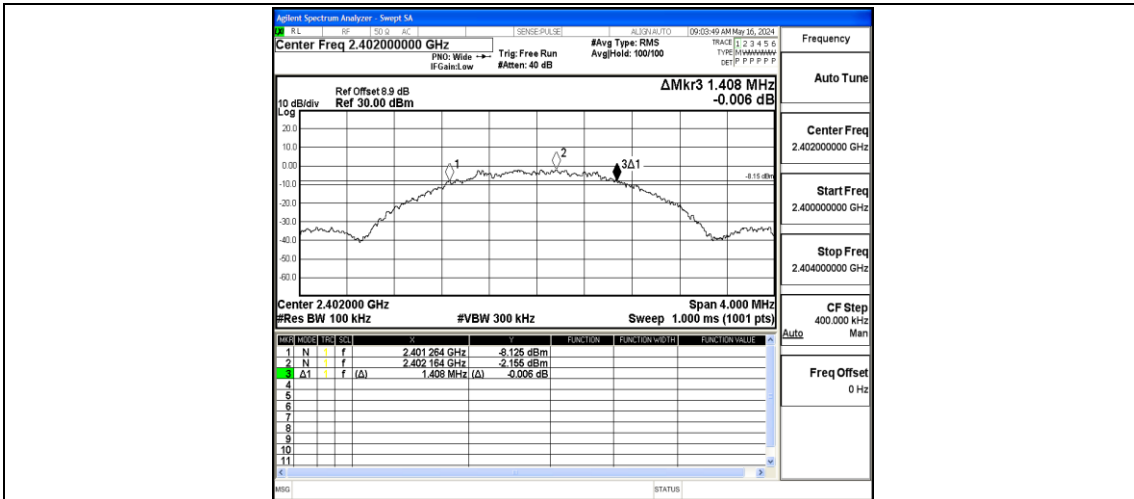
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

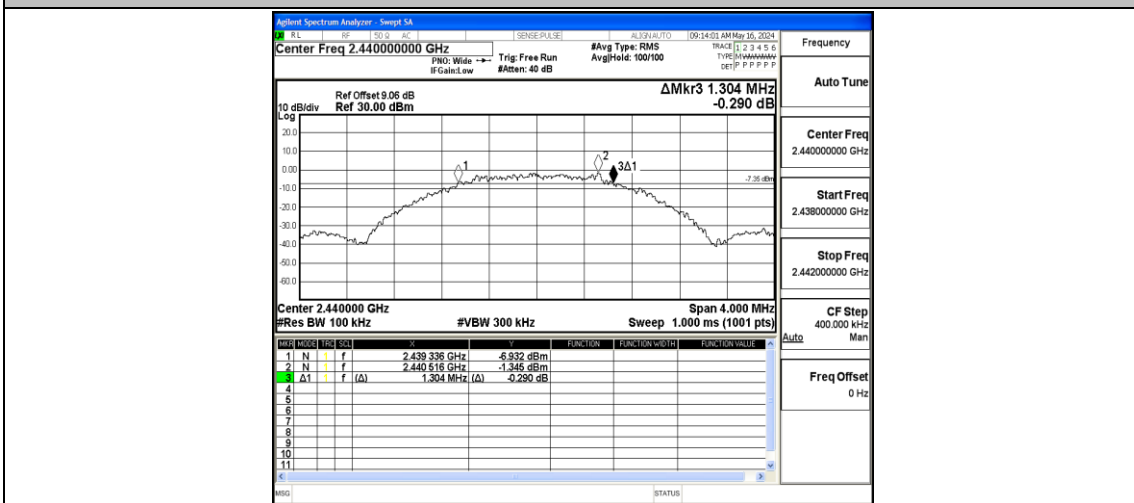
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	1.408	2401.264	2402.672	0.5	PASS
SRD	Ant1	2440	1.304	2439.336	2440.640	0.5	PASS
SRD	Ant1	2480	1.252	2479.388	2480.640	0.5	PASS

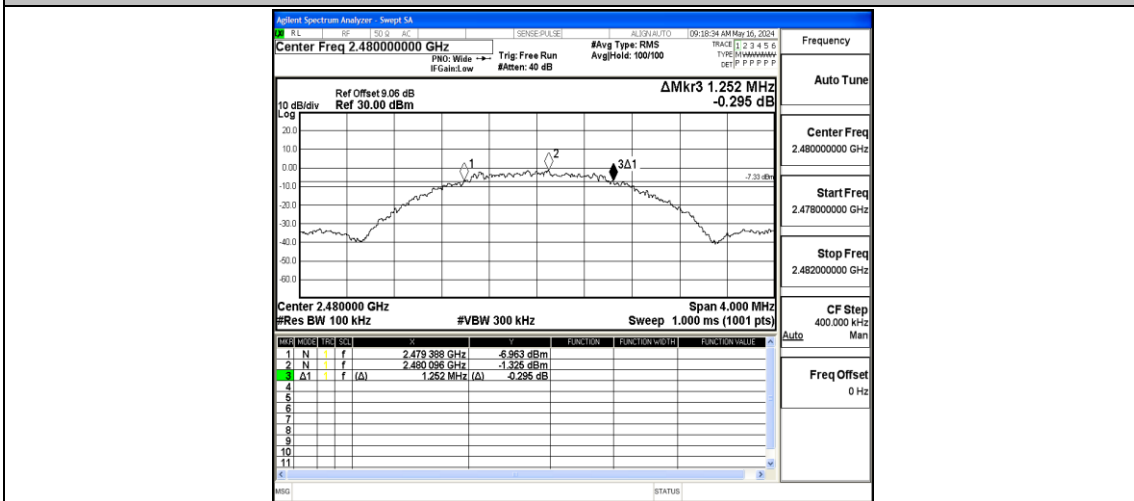
Test Graphs



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS



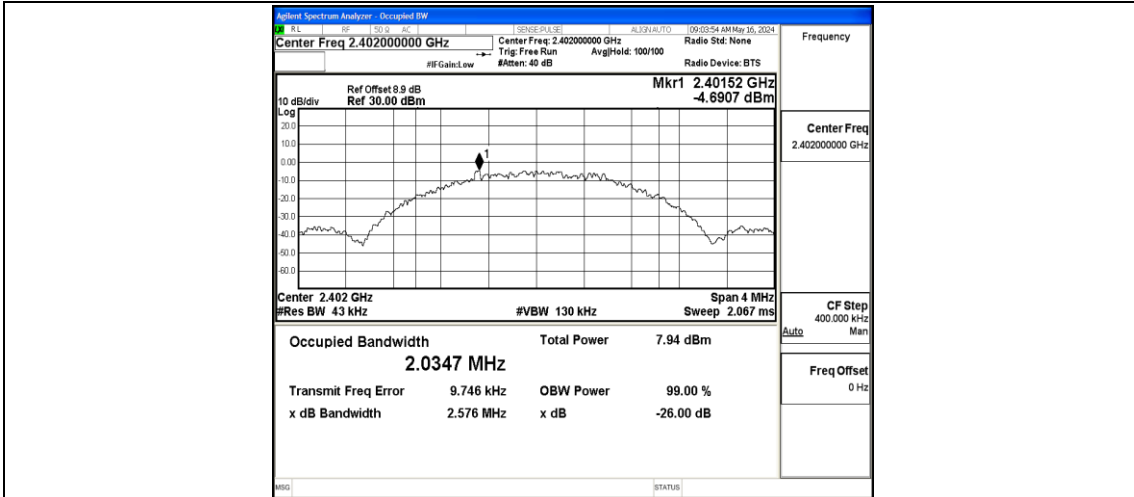
SRD-Ant1-2480-PASS

Appendix B: Occupied Channel Bandwidth

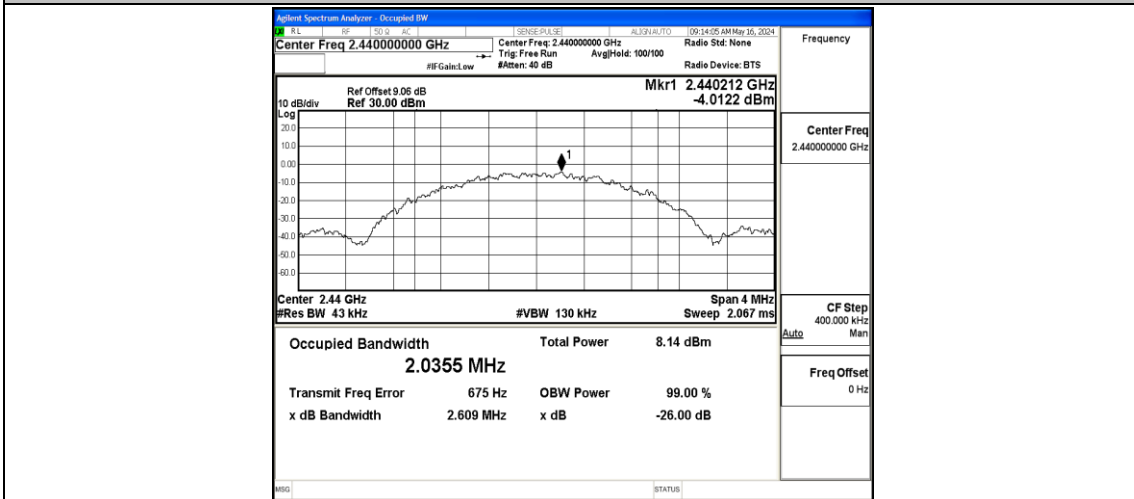
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2402	2.0347	2400.9924	2403.0271	---	---
SRD	Ant1	2440	2.0355	2438.9829	2441.0184	---	---
SRD	Ant1	2480	2.0250	2479.0066	2481.0316	---	---

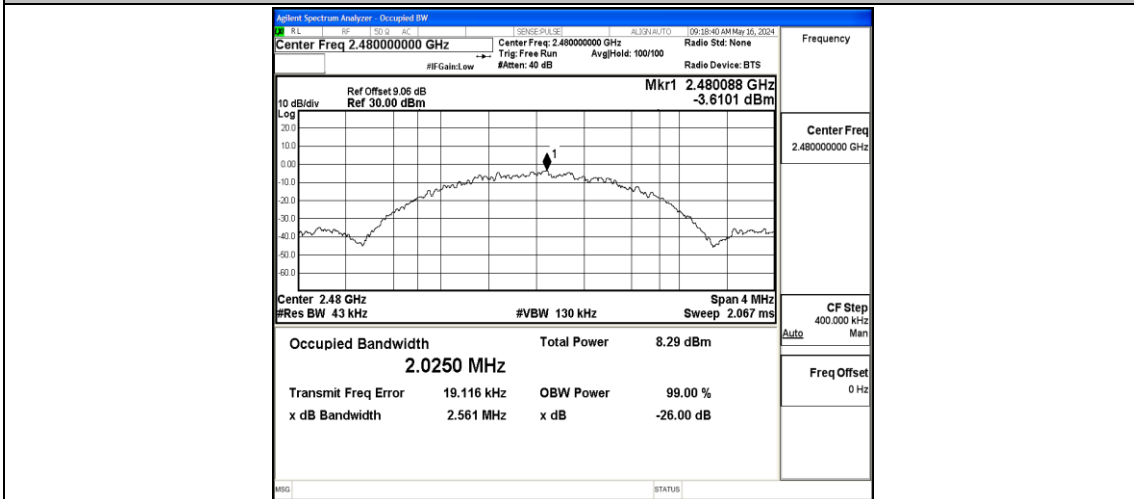
Test Graphs



SRD-Ant1-2402



SRD-Ant1-2440



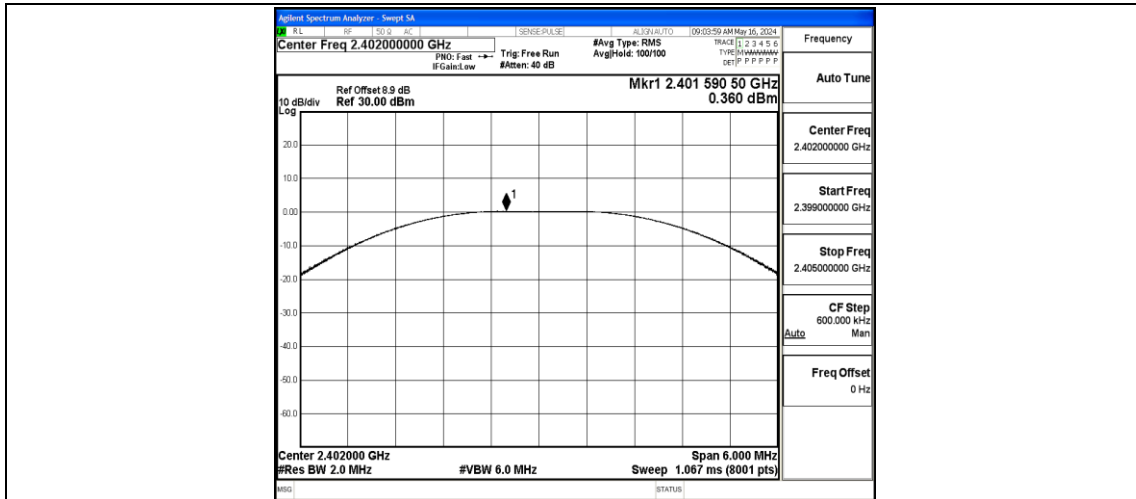
SRD-Ant1-2480

Appendix C: Maximum peak conducted output power

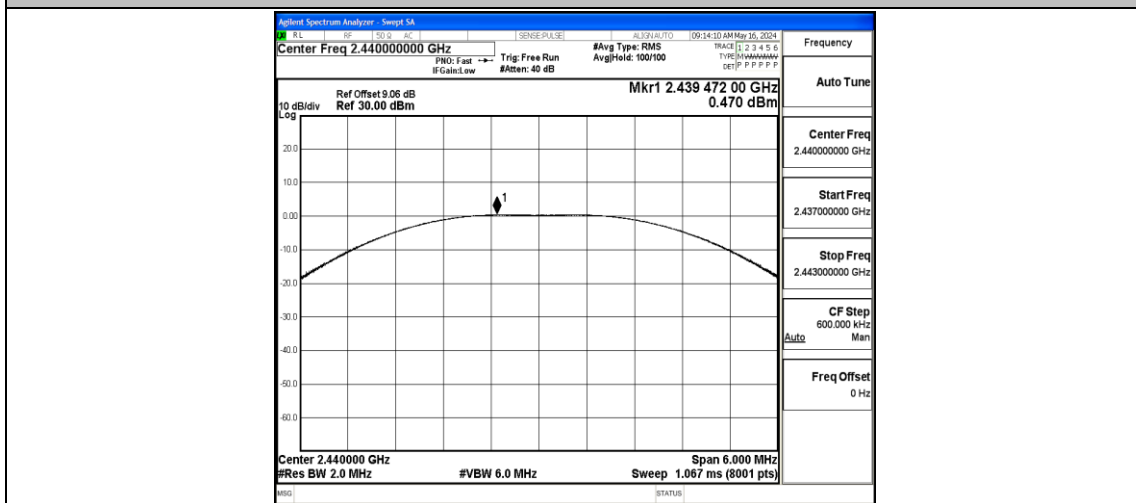
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2402	0.36	≤30	PASS
SRD	Ant1	2440	0.47	≤30	PASS
SRD	Ant1	2480	0.67	≤30	PASS

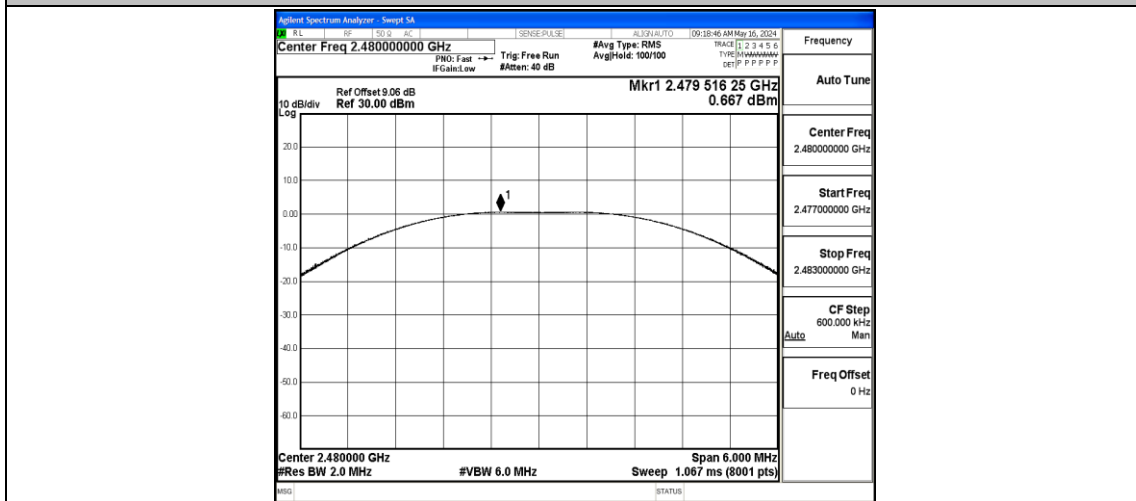
Test Graphs Peak



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS



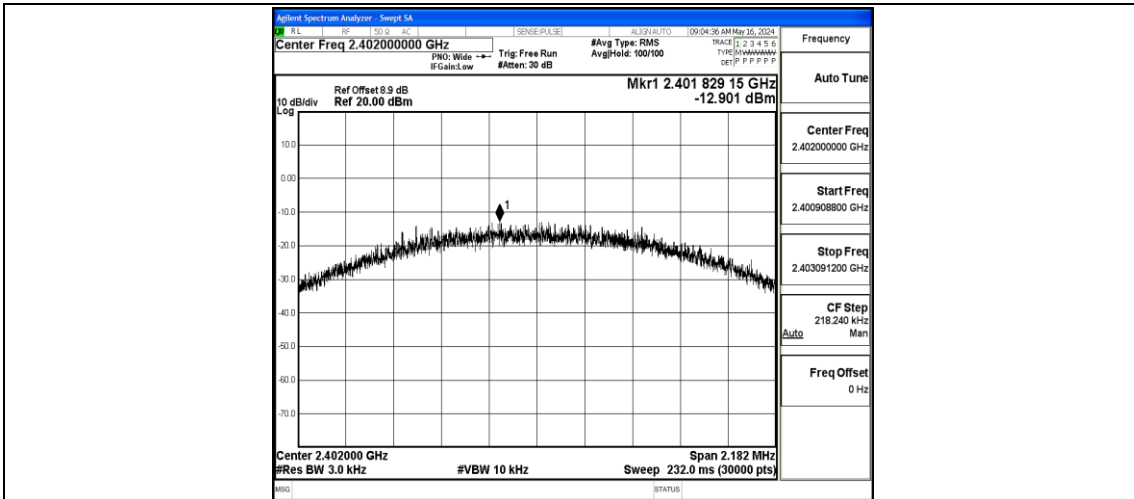
SRD-Ant1-2480-PASS

Appendix D: Maximum peak power spectral density

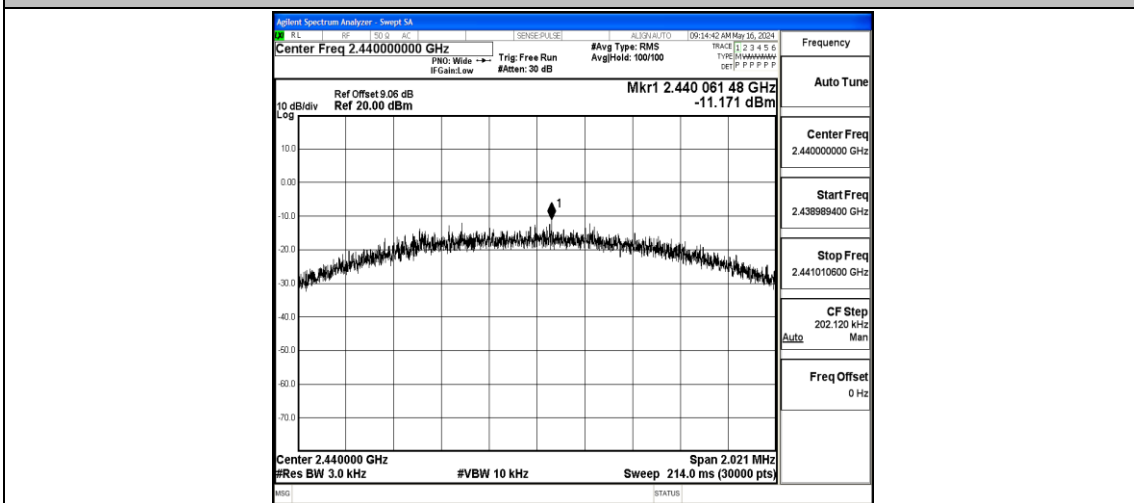
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2402	-12.90	≤8.00	PASS
SRD	Ant1	2440	-11.17	≤8.00	PASS
SRD	Ant1	2480	-10.74	≤8.00	PASS

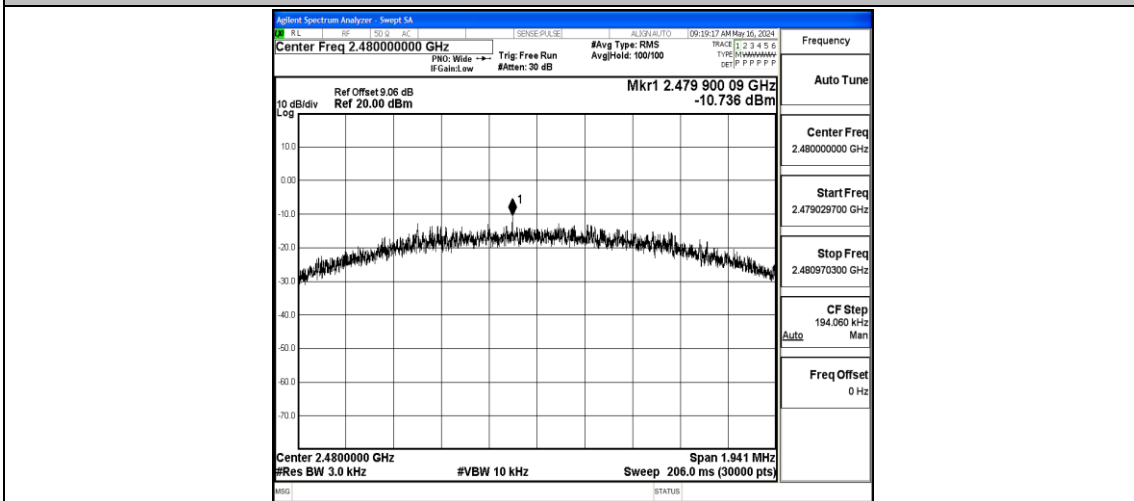
Test Graphs



SRD-Ant1-2402-PASS



SRD-Ant1-2440-PASS



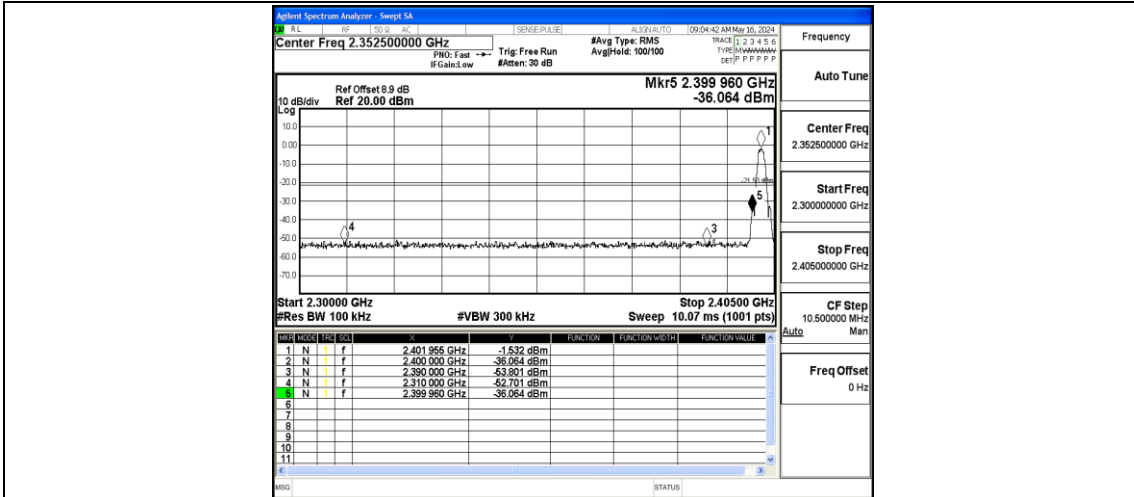
SRD-Ant1-2480-PASS

Appendix E: Band edge measurements

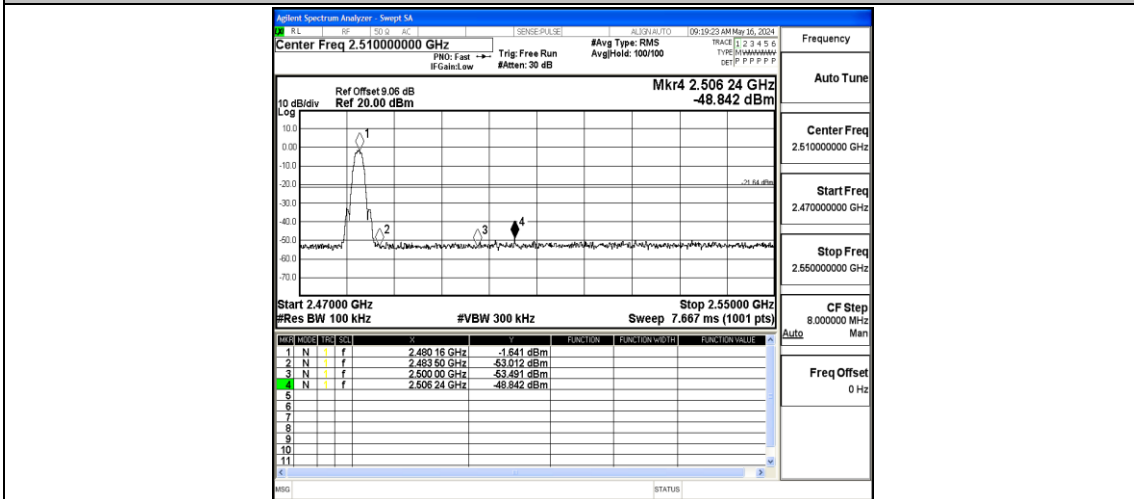
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2402	-1.53	-36.06	≤-21.53	PASS
SRD	Ant1	High	2480	-1.64	-48.84	≤-21.64	PASS

Test Graphs



SRD-Ant1-2402-PASS



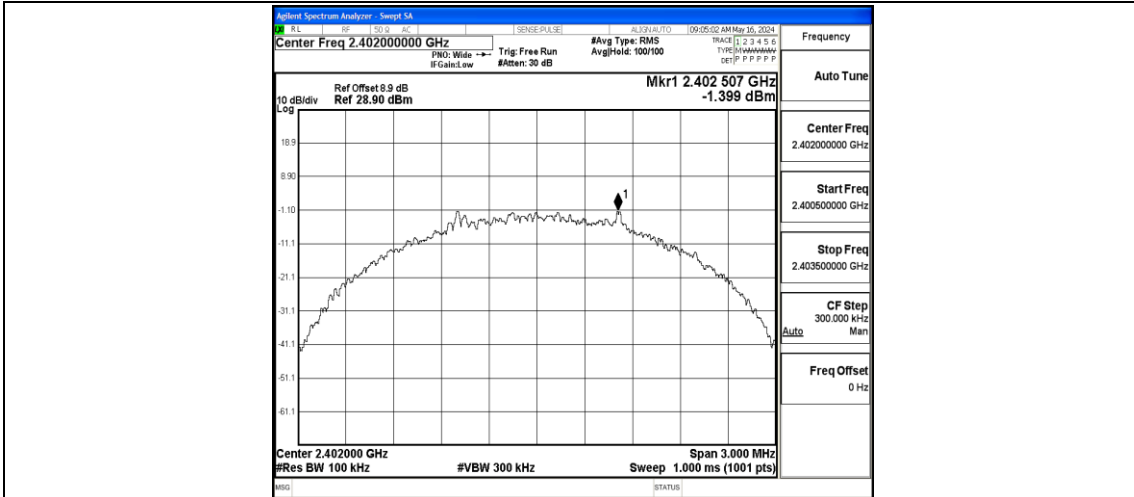
SRD-Ant1-2480-PASS

Appendix F: Conducted Spurious Emission

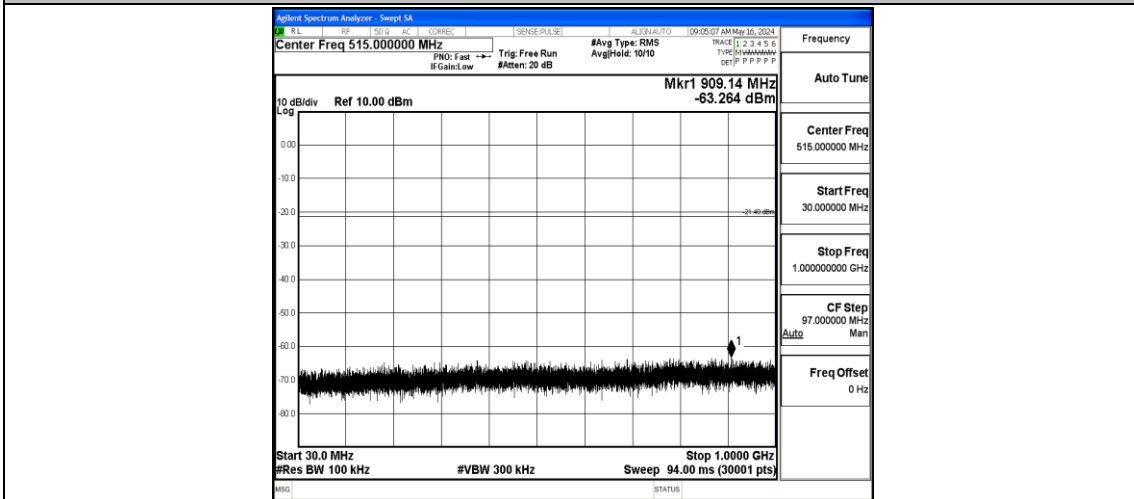
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2402	0~Reference	-1.40	-1.40	---	PASS
SRD	Ant1	2402	30~1000	-1.40	-63.26	≤-21.4	PASS
SRD	Ant1	2402	1000~26500	-1.40	-50.79	≤-21.4	PASS
SRD	Ant1	2440	0~Reference	-1.34	-1.34	---	PASS
SRD	Ant1	2440	30~1000	-1.34	-62.25	≤-21.34	PASS
SRD	Ant1	2440	1000~26500	-1.34	-49.34	≤-21.34	PASS
SRD	Ant1	2480	0~Reference	-1.50	-1.50	---	PASS
SRD	Ant1	2480	30~1000	-1.50	-62.3	≤-21.5	PASS
SRD	Ant1	2480	1000~26500	-1.50	-50.46	≤-21.5	PASS

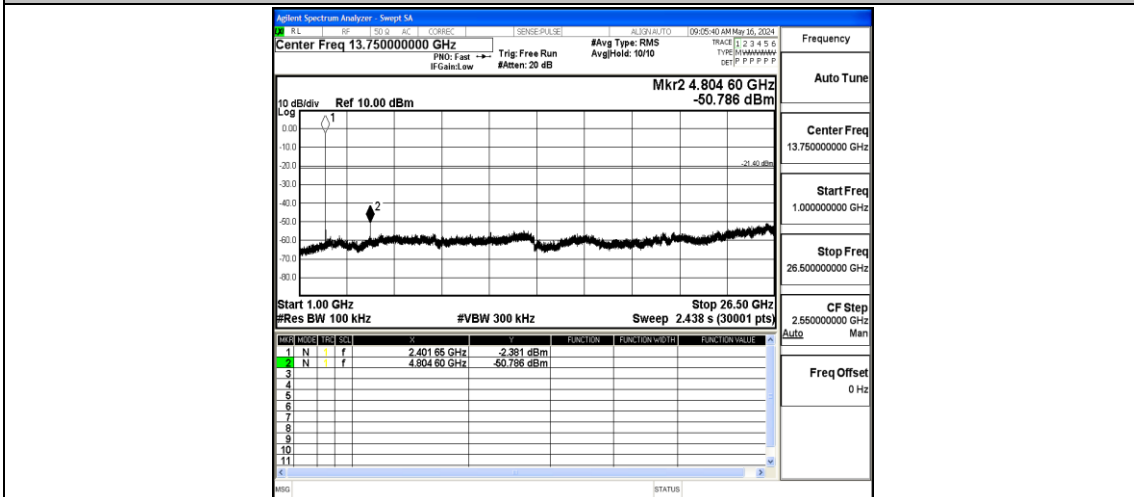
Test Graphs



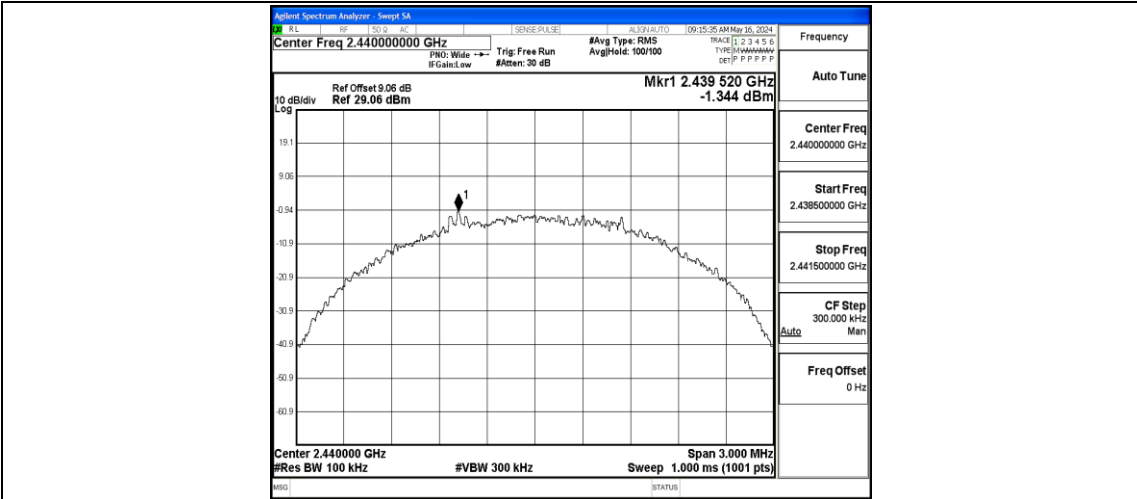
SRD-Ant1-2402-0~Reference-PASS



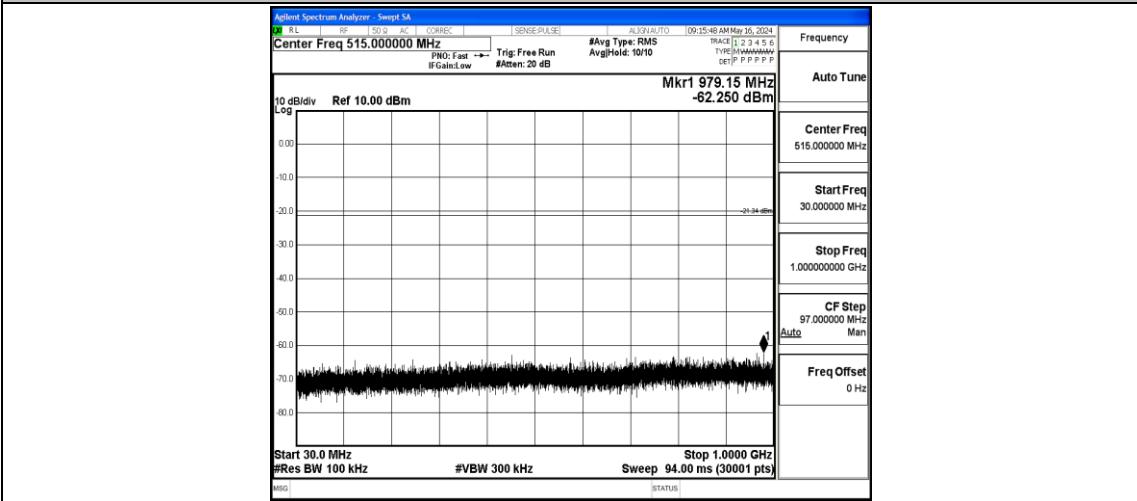
SRD-Ant1-2402-30~1000-PASS



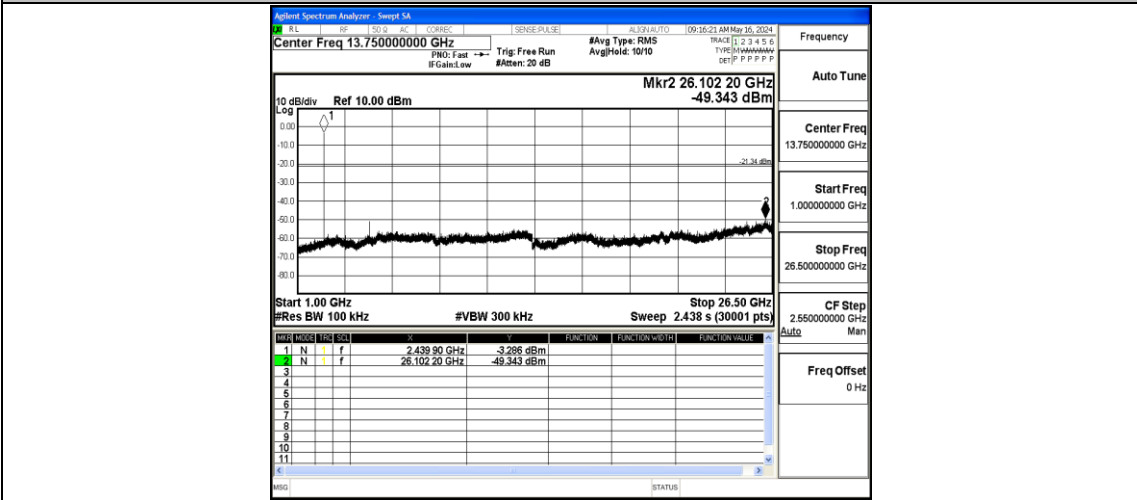
SRD-Ant1-2402-1000~26500-PASS



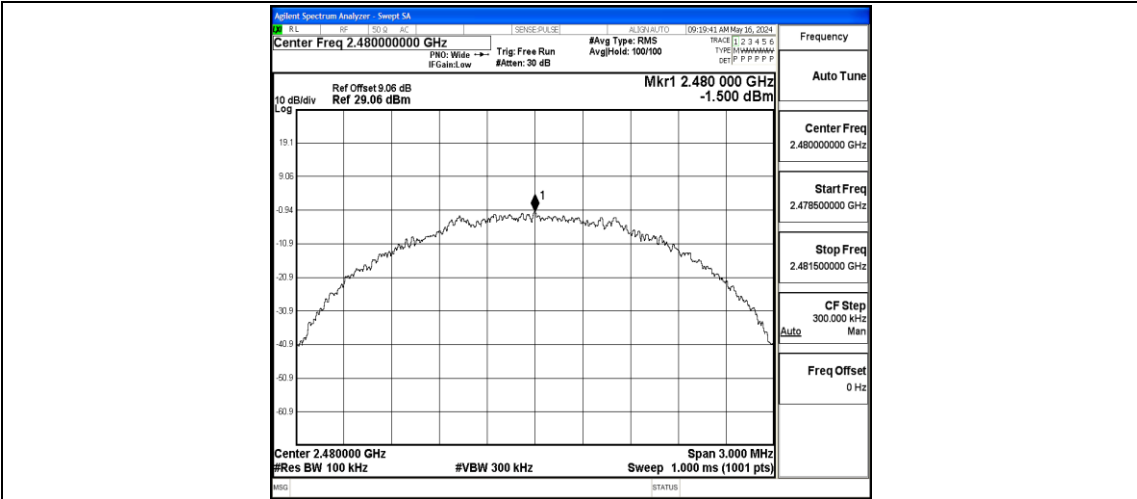
SRD-Ant1-2440-0~Reference-PASS



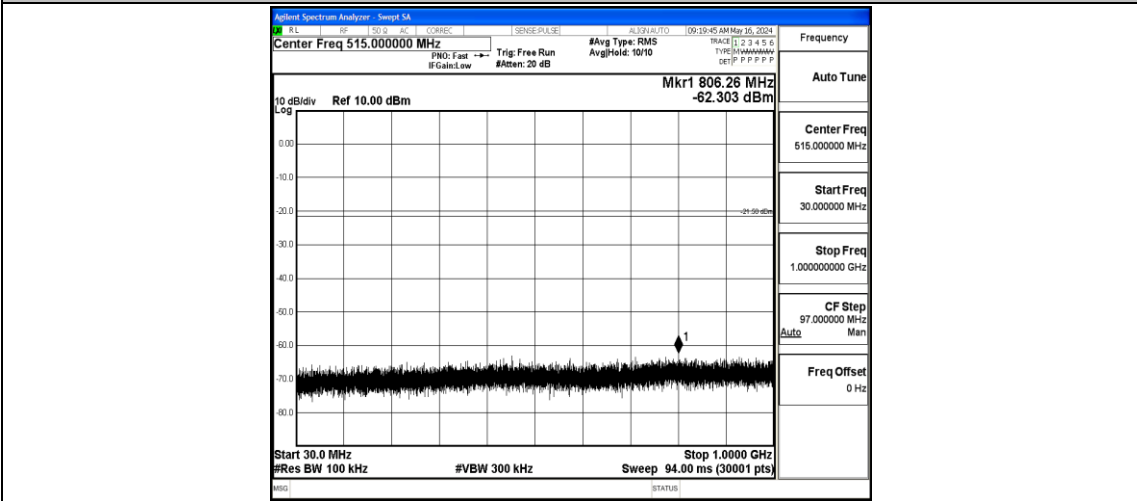
SRD-Ant1-2440-30~1000-PASS



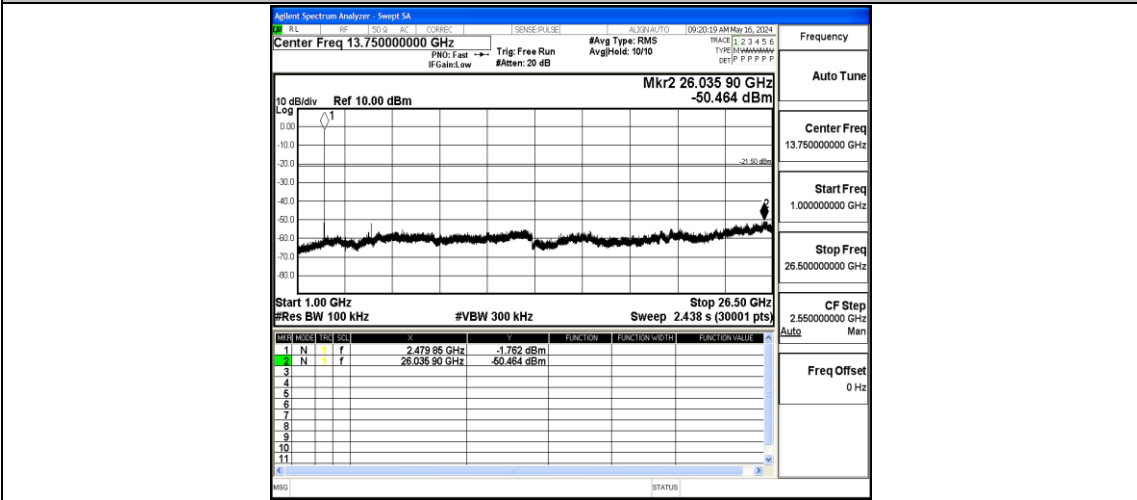
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2480-0~Reference-PASS



SRD-Ant1-2480-30~1000-PASS



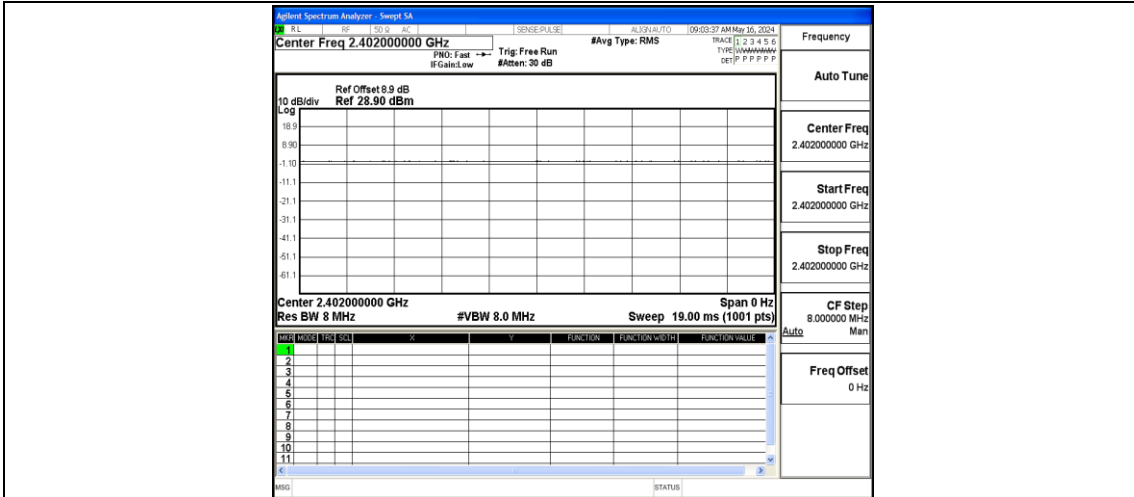
SRD-Ant1-2480-1000~26500-PASS

Appendix G: Duty Cycle

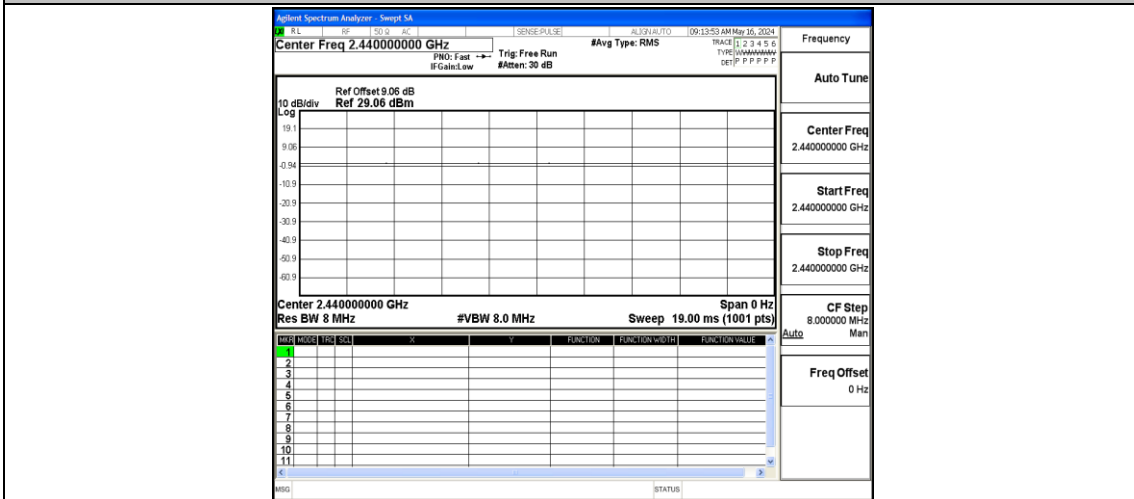
Test Result

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

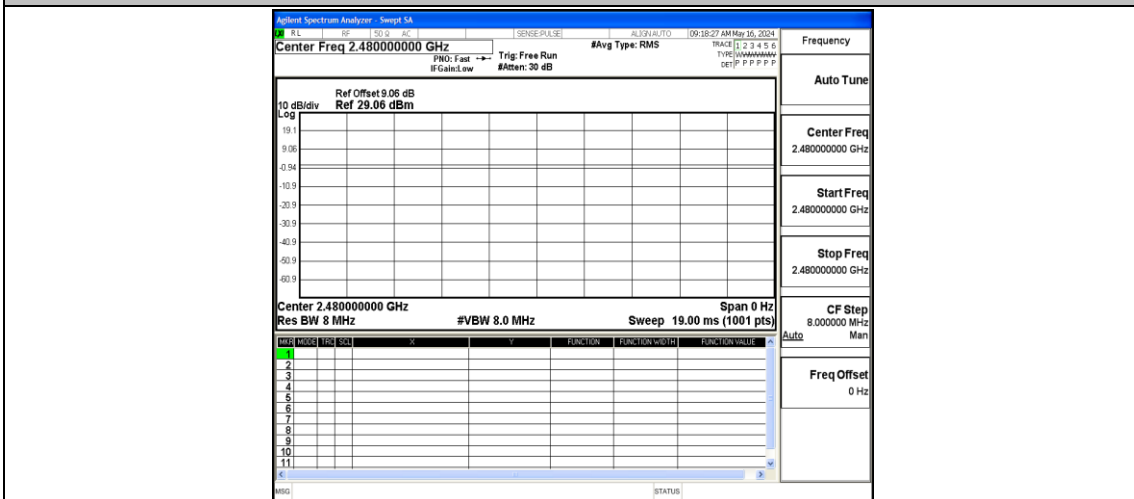
Test Graphs



NTNV-SRD-Ant1-2402



NTNV-SRD-Ant1-2440



NTNV-SRD-Ant1-2480