

Appendix Test Data for BLE (Conducted Measurement)

Product Name: remote control car

Trade Mark: N/A

Test Model: LY-016

FCC ID: 2BK33-LY-016A

Environmental Conditions

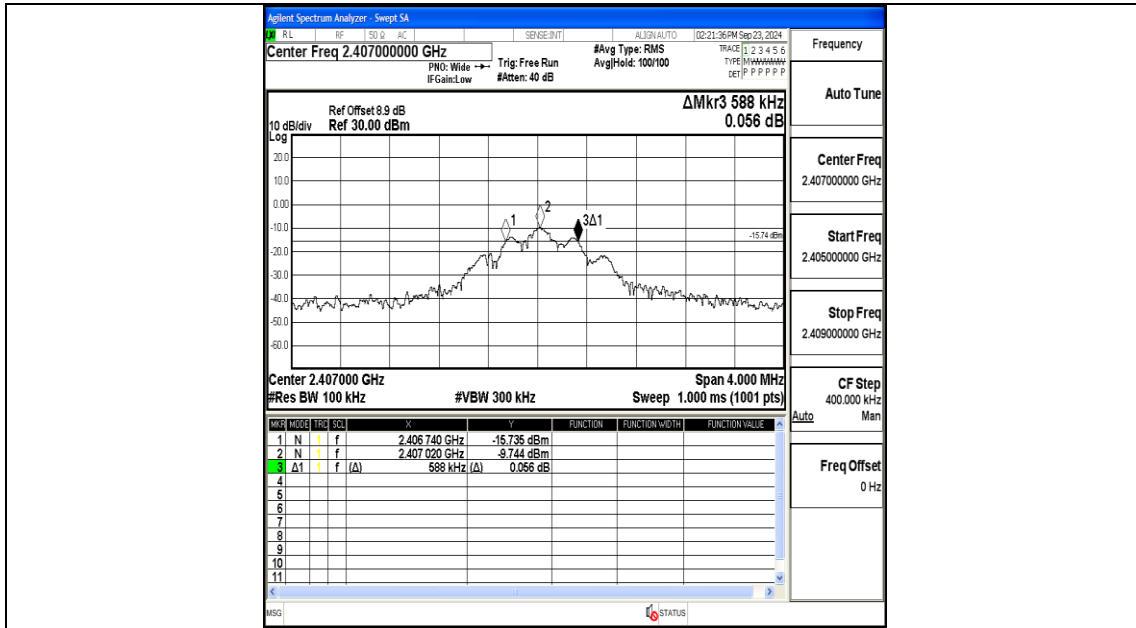
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

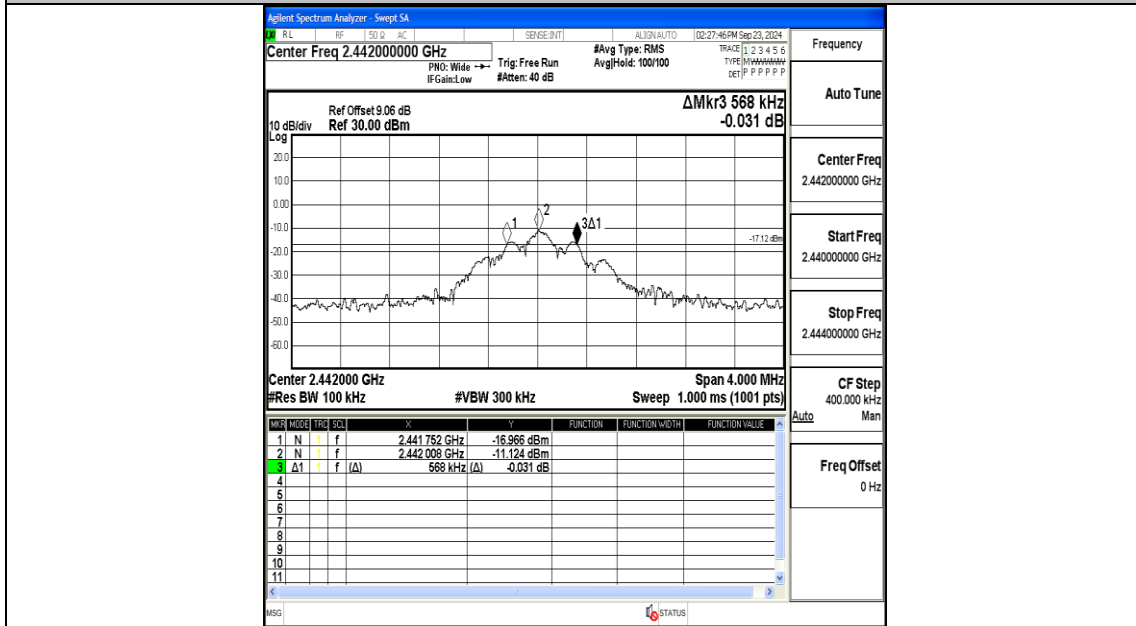
Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	0.588	2406.740	2407.328	0.5	PASS
SRD	Ant1	2442	0.568	2441.752	2442.320	0.5	PASS
SRD	Ant1	2477	0.576	2476.752	2477.328	0.5	PASS

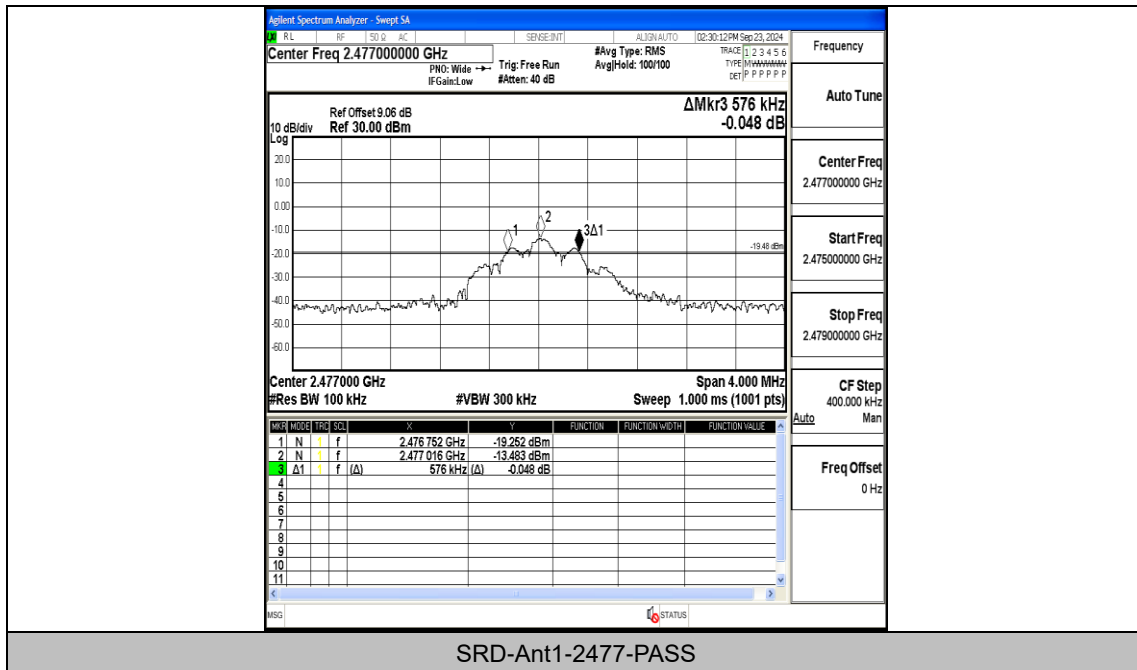
Test Graphs



SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS

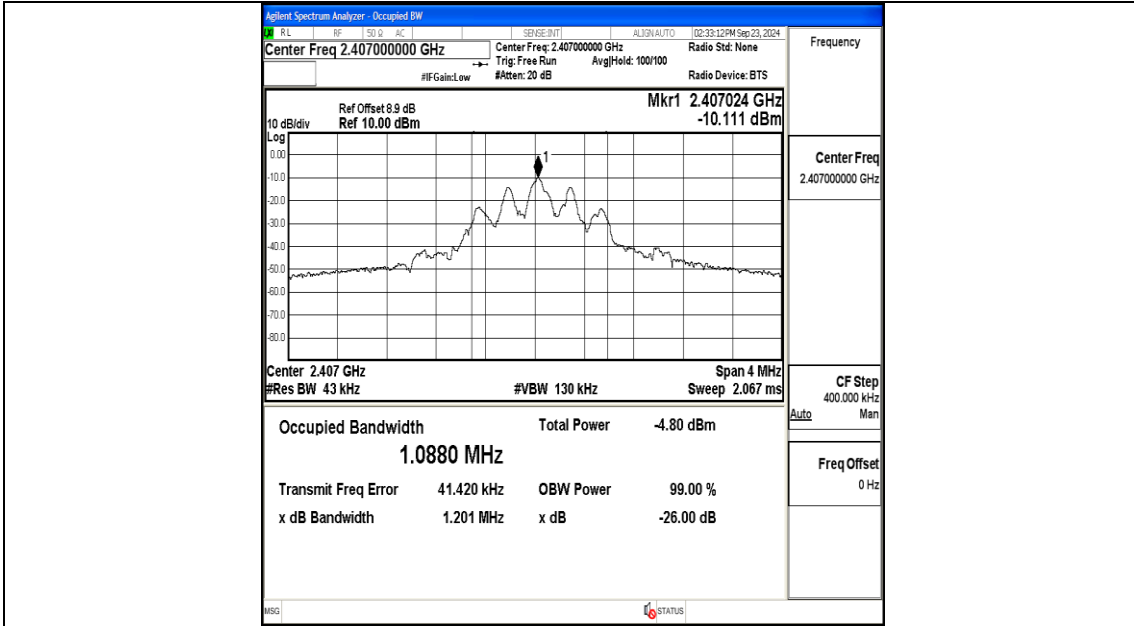


Appendix B: Occupied Channel Bandwidth

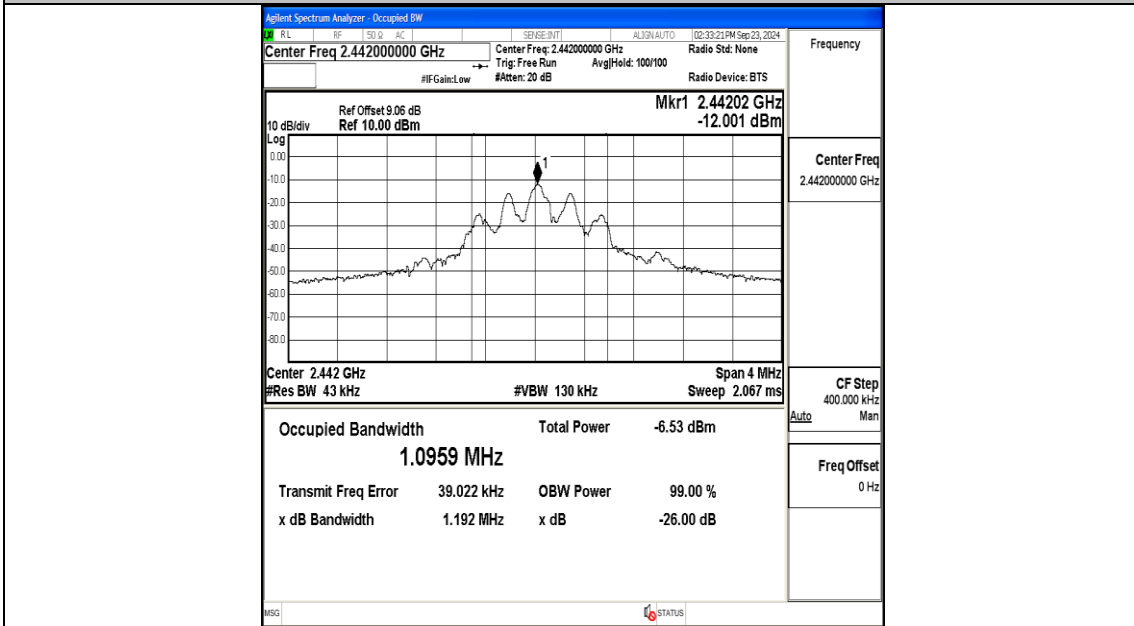
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	1.0880	2406.4974	2407.5854	---	---
SRD	Ant1	2442	1.0959	2441.4911	2442.5870	---	---
SRD	Ant1	2477	1.0983	2476.4875	2477.5858	---	---

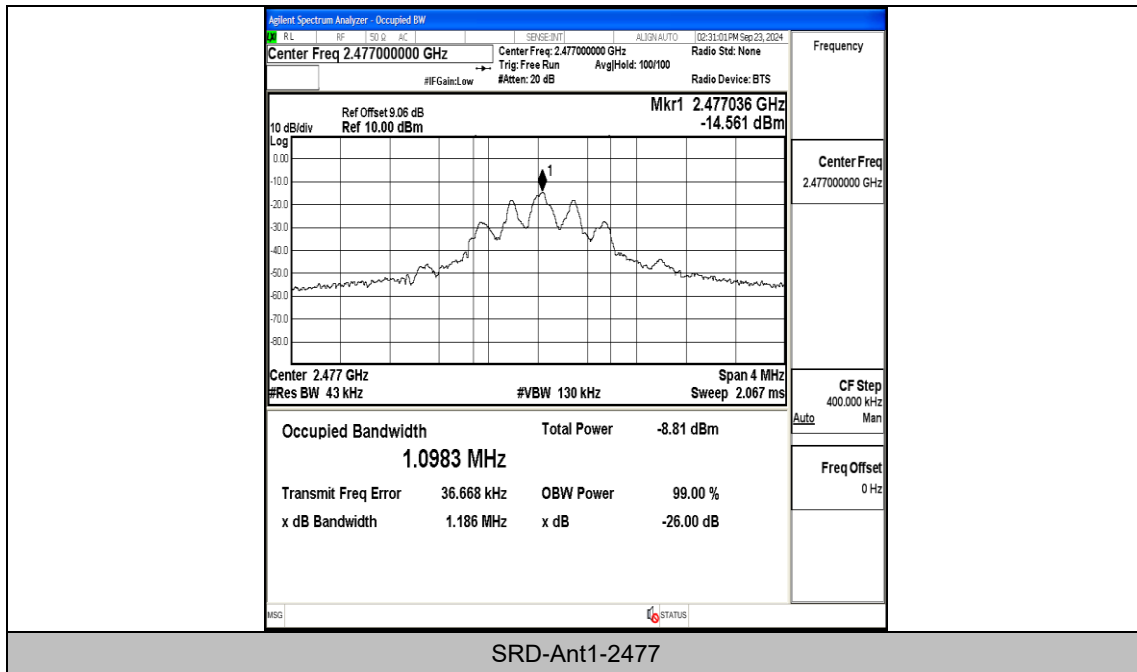
Test Graphs



SRD-Ant1-2407



SRD-Ant1-2442

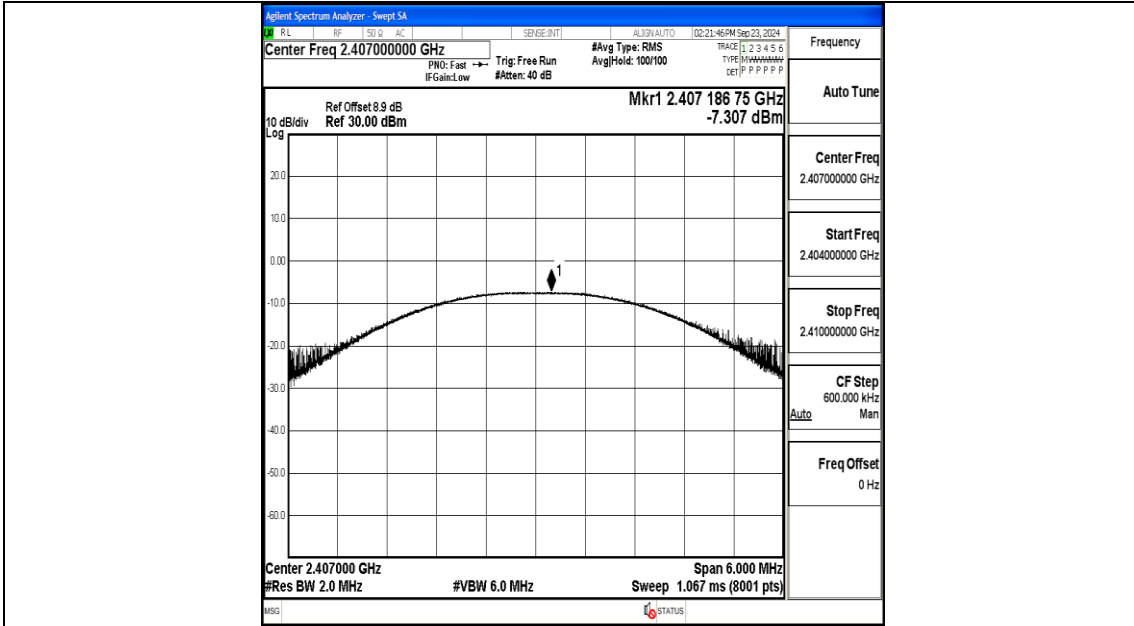


Appendix C: Maximum peak conducted output power

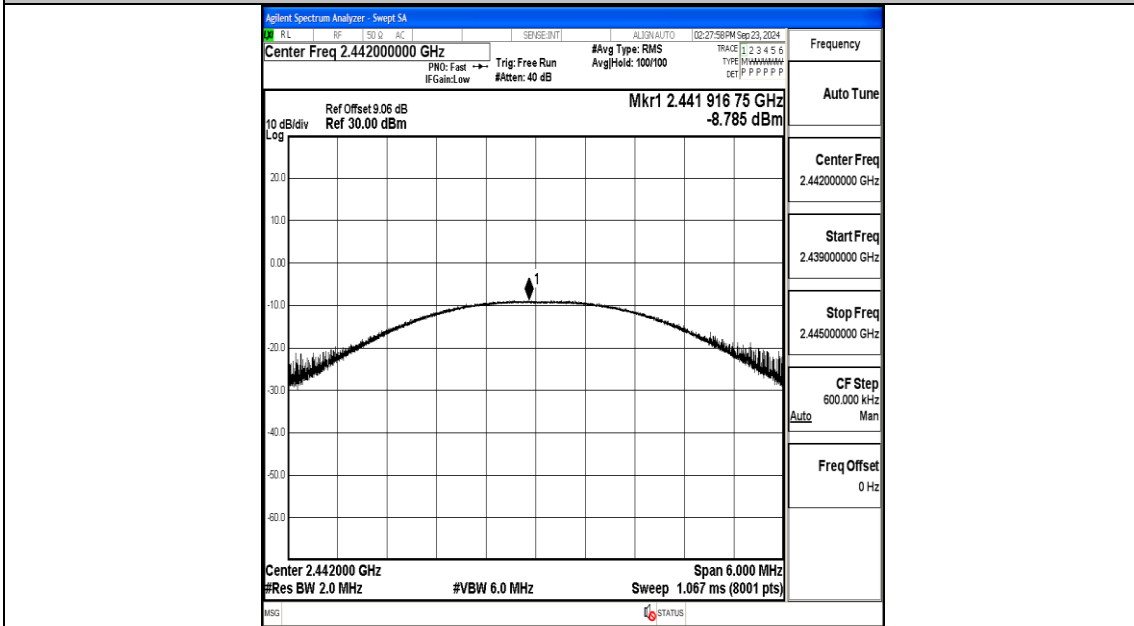
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2407	-7.31	≤30	PASS
SRD	Ant1	2442	-8.79	≤30	PASS
SRD	Ant1	2477	-10.53	≤30	PASS

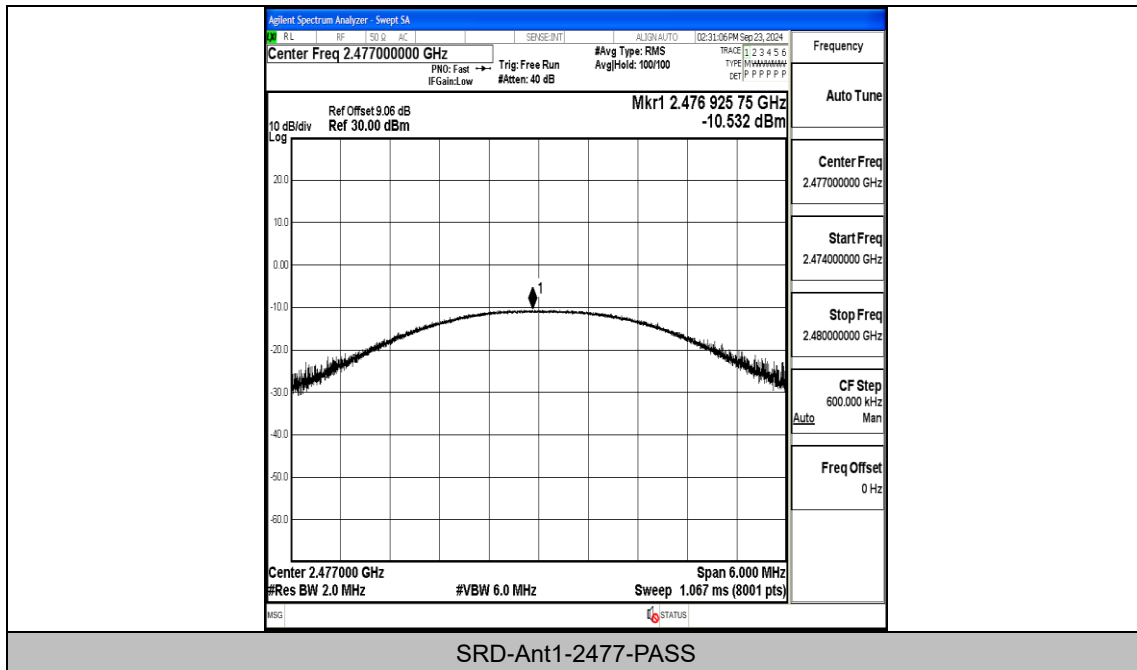
Test Graphs Peak



SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS

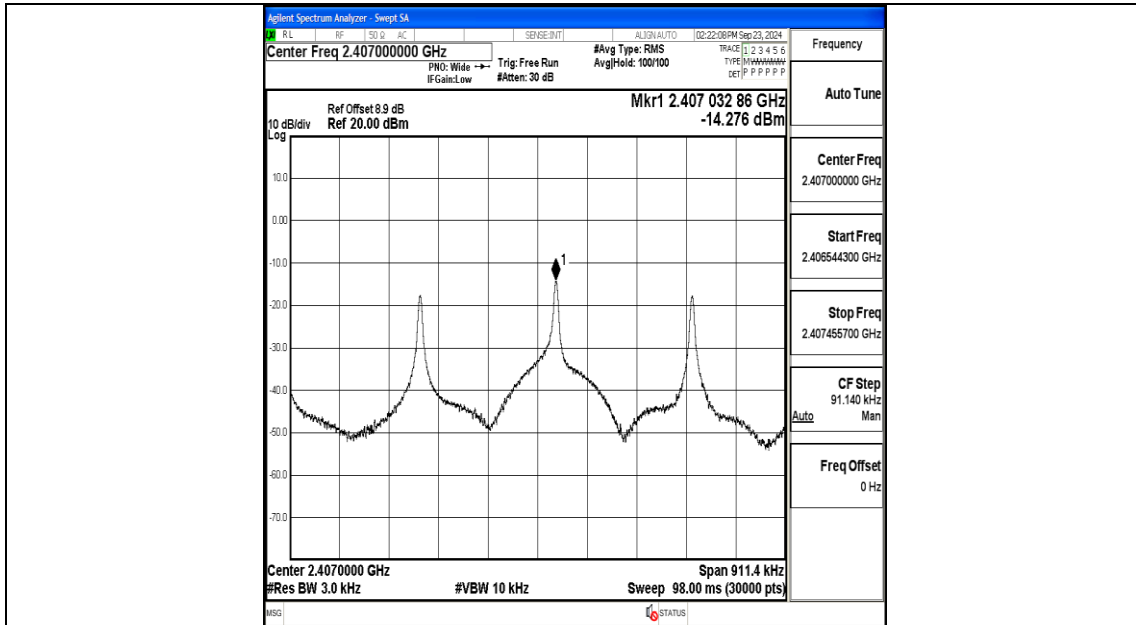


Appendix D: Maximum peak power spectral density

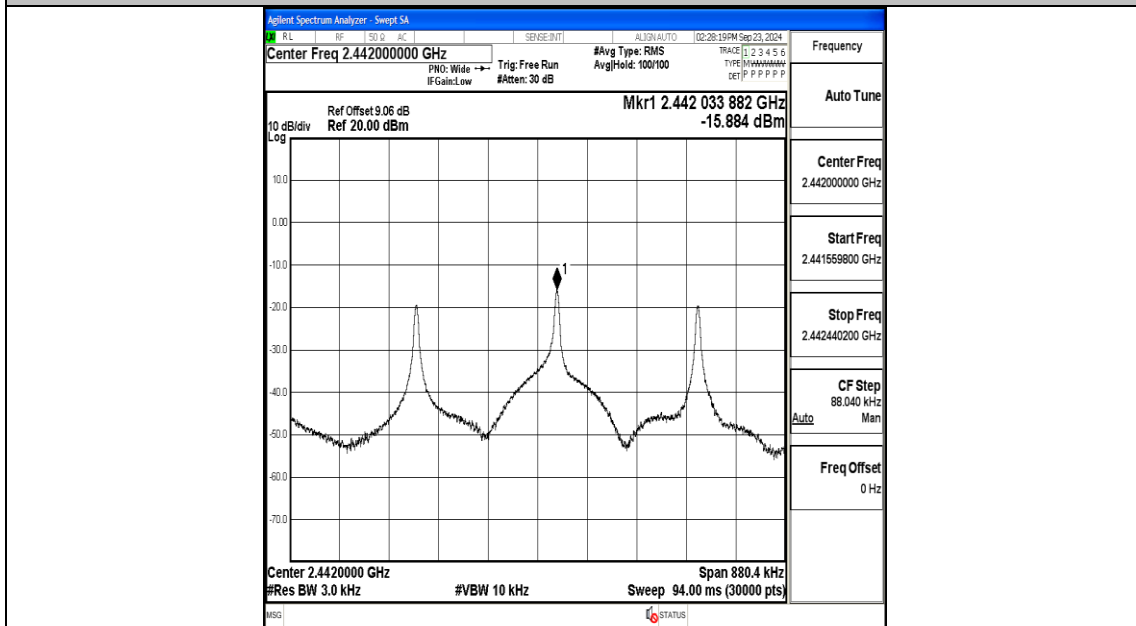
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2407	-14.28	≤8.00	PASS
SRD	Ant1	2442	-15.88	≤8.00	PASS
SRD	Ant1	2477	-17.72	≤8.00	PASS

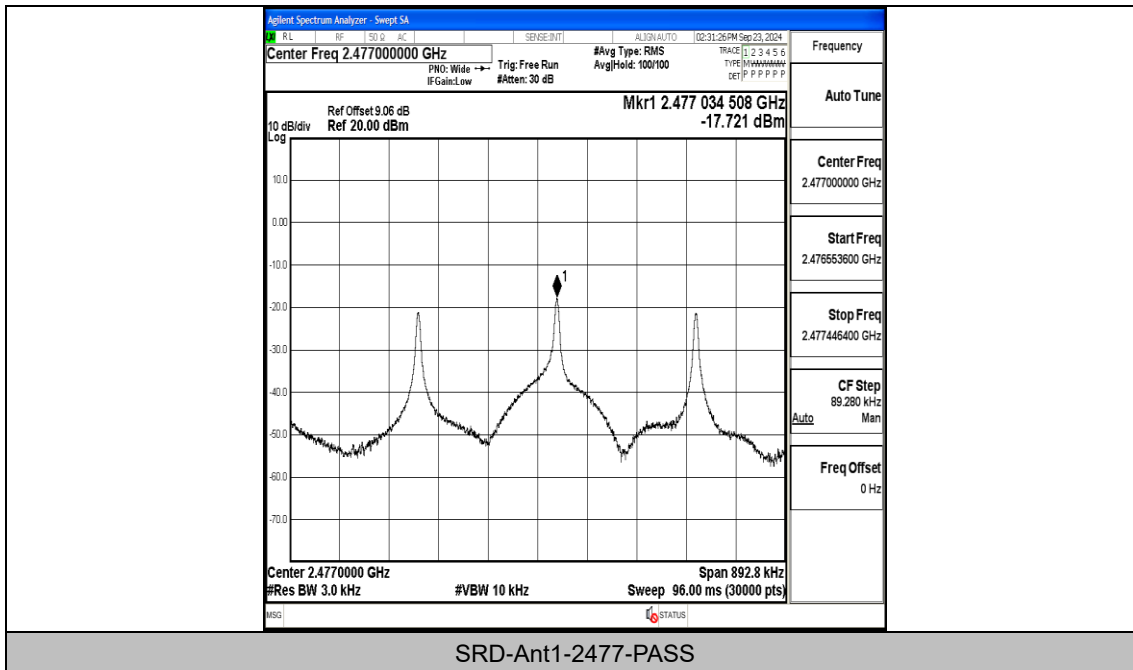
Test Graphs



SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS

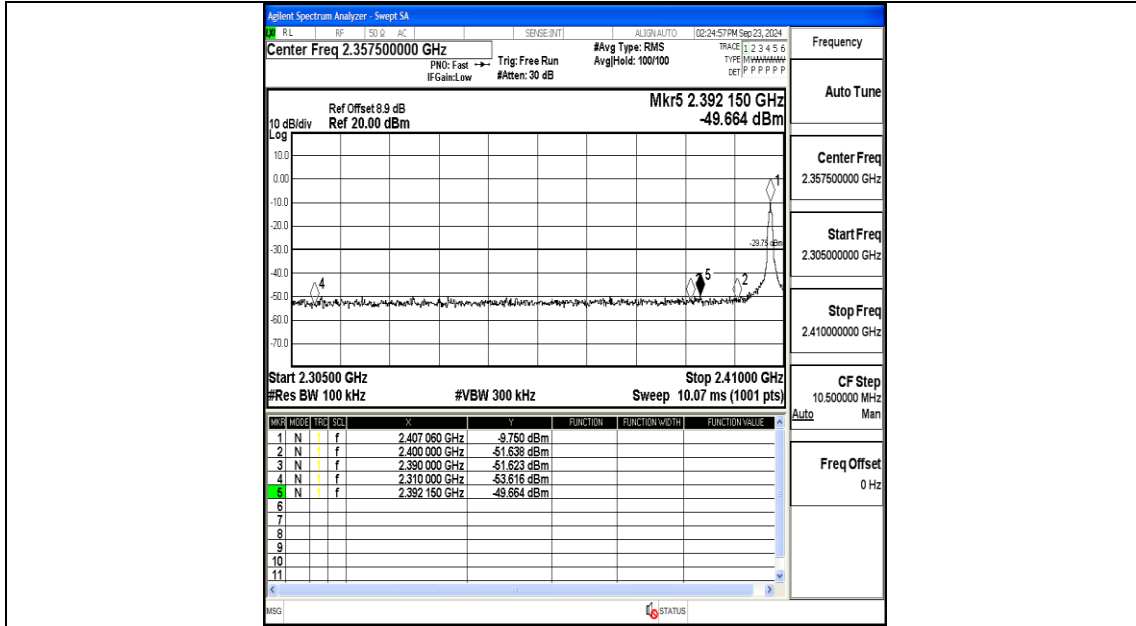


Appendix E: Band edge measurements

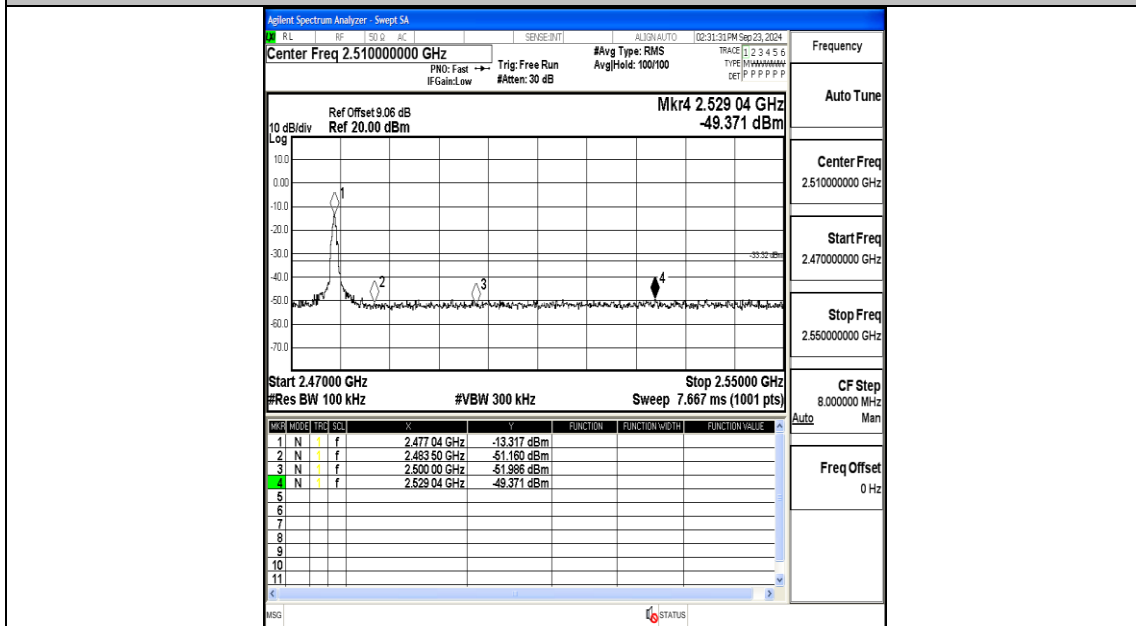
Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2407	-9.75	-49.66	≤-29.75	PASS
SRD	Ant1	High	2477	-13.32	-49.37	≤-33.32	PASS

Test Graphs



SRD-Ant1-2407-PASS



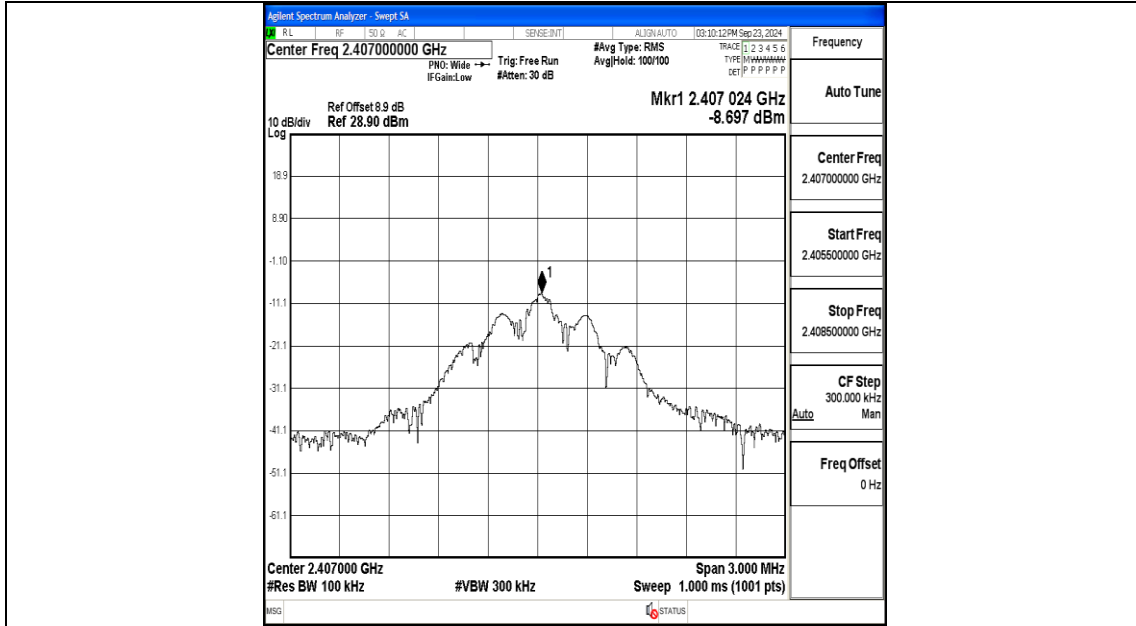
SRD-Ant1-2477-PASS

Appendix F: Conducted Spurious Emission

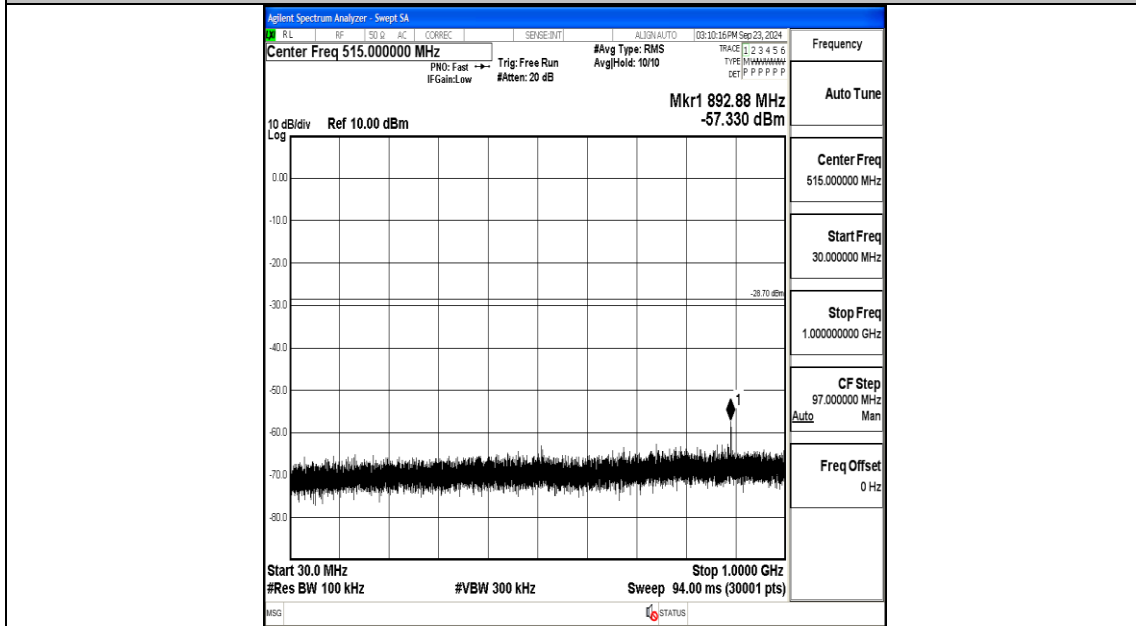
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2407	0~Reference	-8.70	-8.70	---	PASS
SRD	Ant1	2407	30~1000	-8.70	-57.33	≤-28.7	PASS
SRD	Ant1	2407	1000~26500	-8.70	-45.32	≤-28.7	PASS
SRD	Ant1	2442	0~Reference	-10.98	-10.98	---	PASS
SRD	Ant1	2442	30~1000	-10.98	-63.04	≤-30.98	PASS
SRD	Ant1	2442	1000~26500	-10.98	-45.29	≤-30.98	PASS
SRD	Ant1	2477	0~Reference	-13.43	-13.43	---	PASS
SRD	Ant1	2477	30~1000	-13.43	-62.85	≤-33.43	PASS
SRD	Ant1	2477	1000~26500	-13.43	-45.31	≤-33.43	PASS

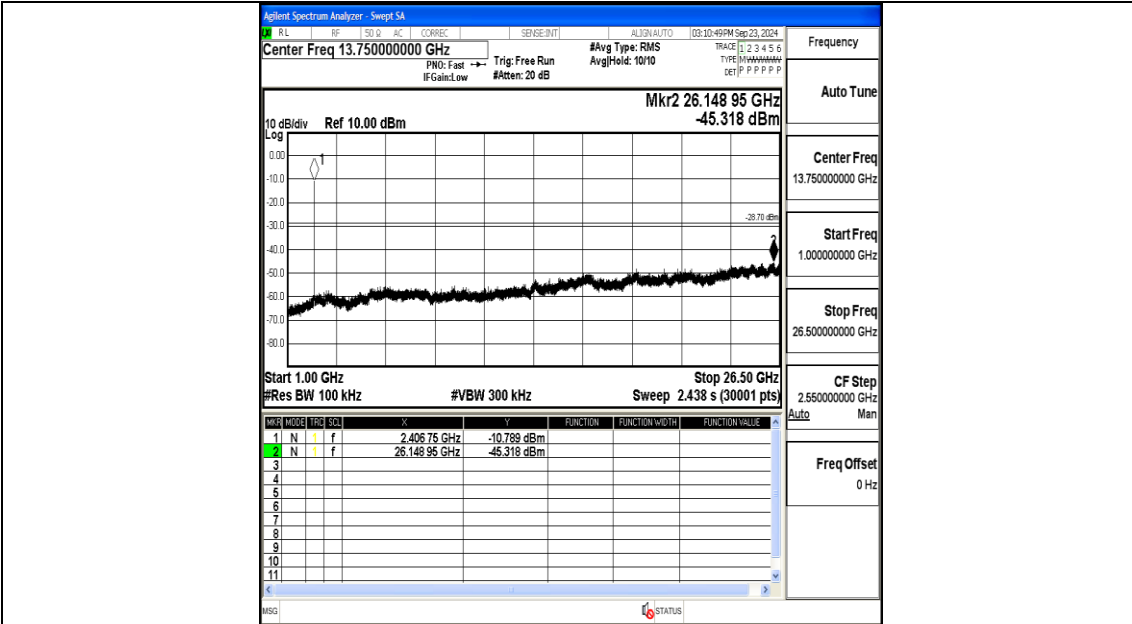
Test Graphs



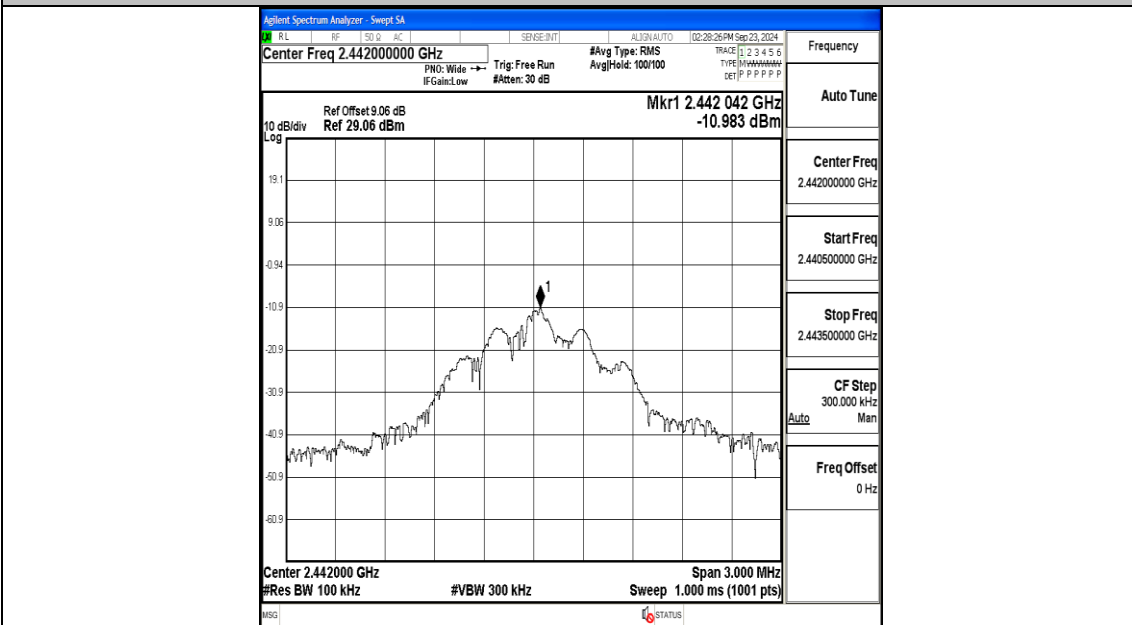
SRD-Ant1-2407-0~Reference-PASS



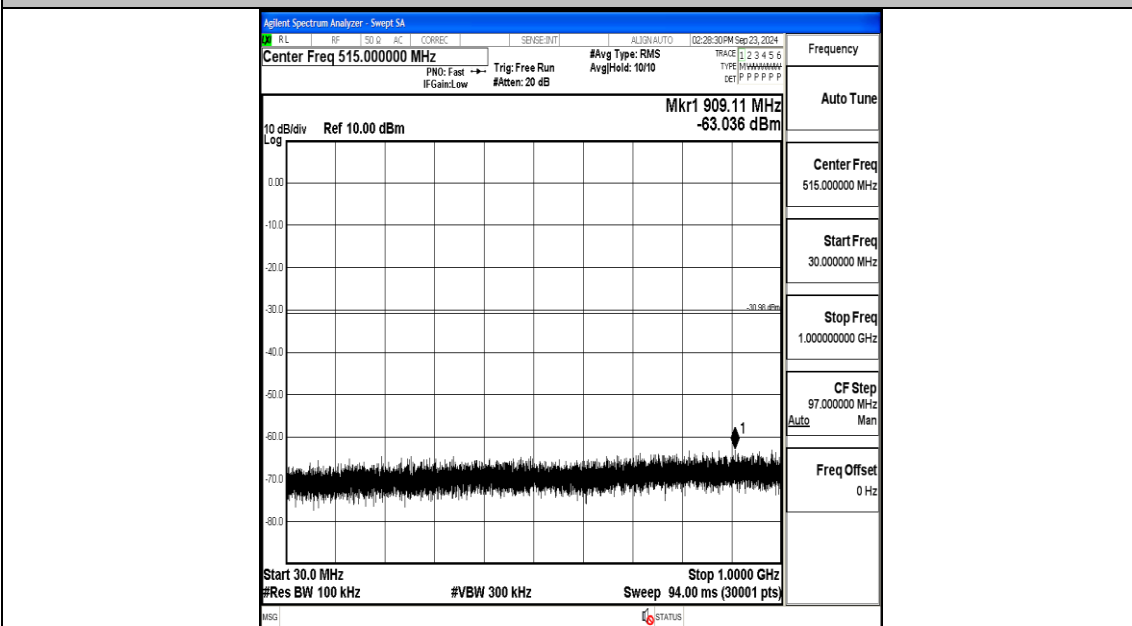
SRD-Ant1-2407-30~1000-PASS



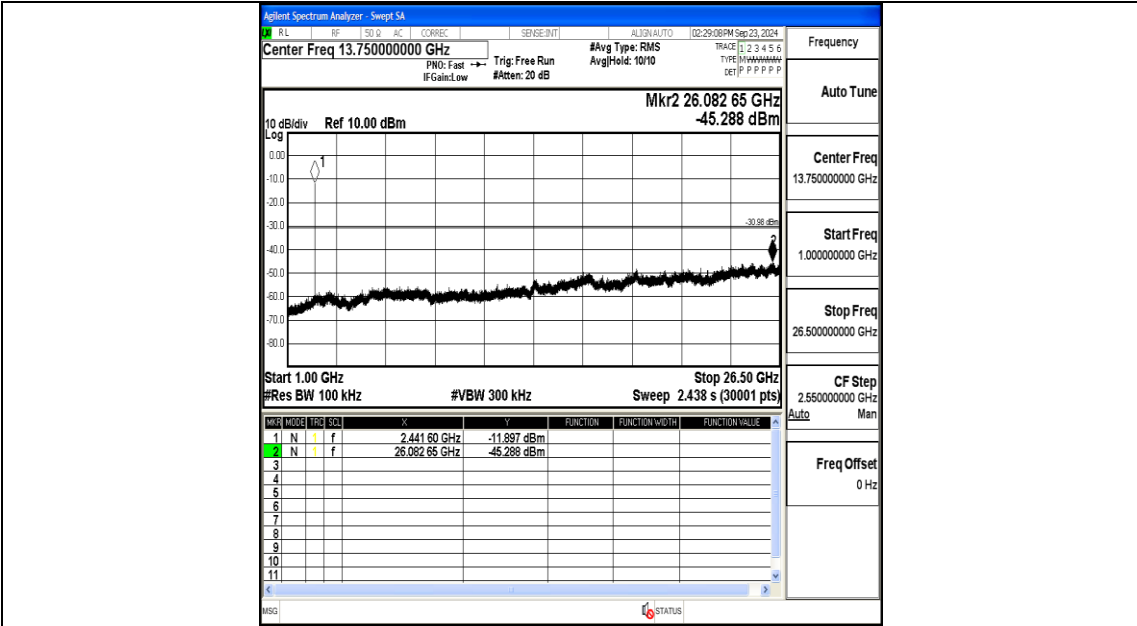
SRD-Ant1-2407-1000~26500-PASS



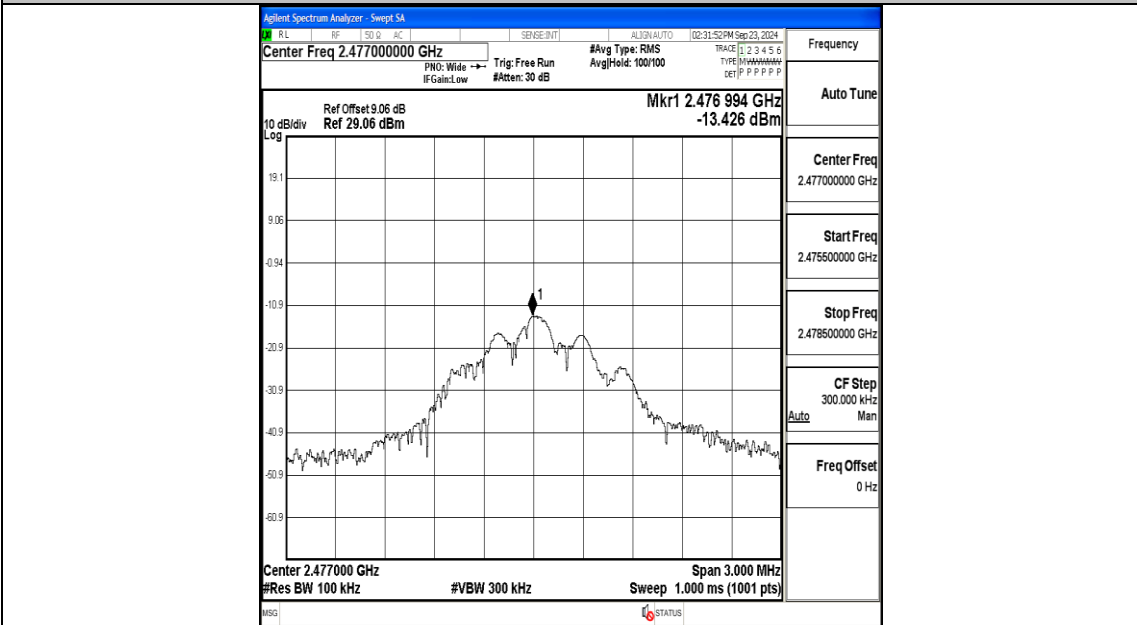
SRD-Ant1-2442-0~Reference-PASS



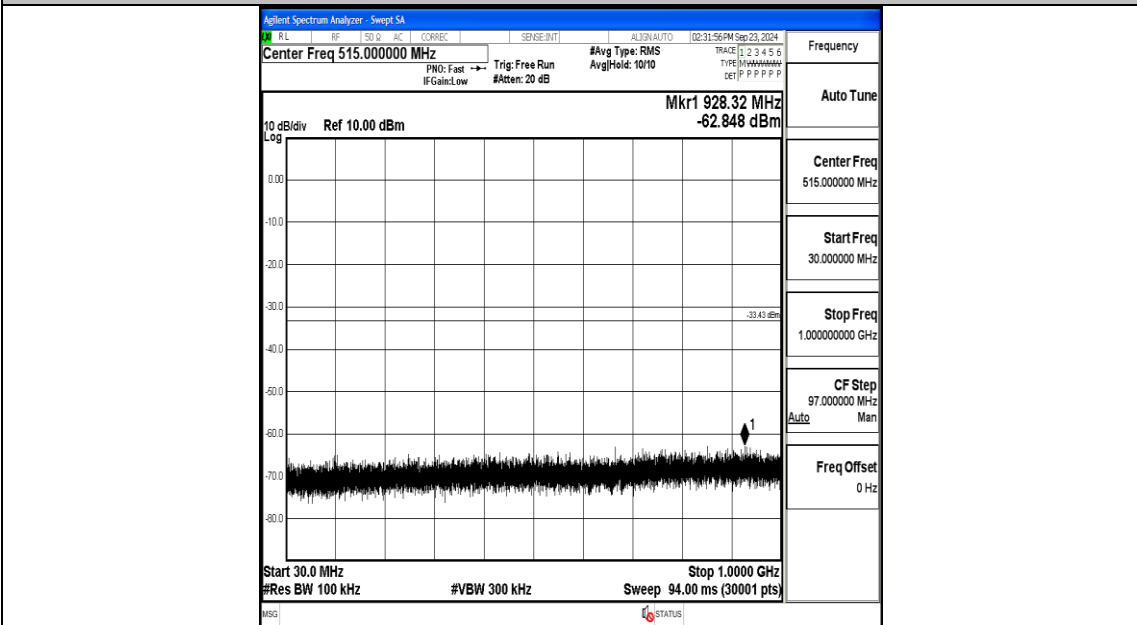
SRD-Ant1-2442-30~1000-PASS



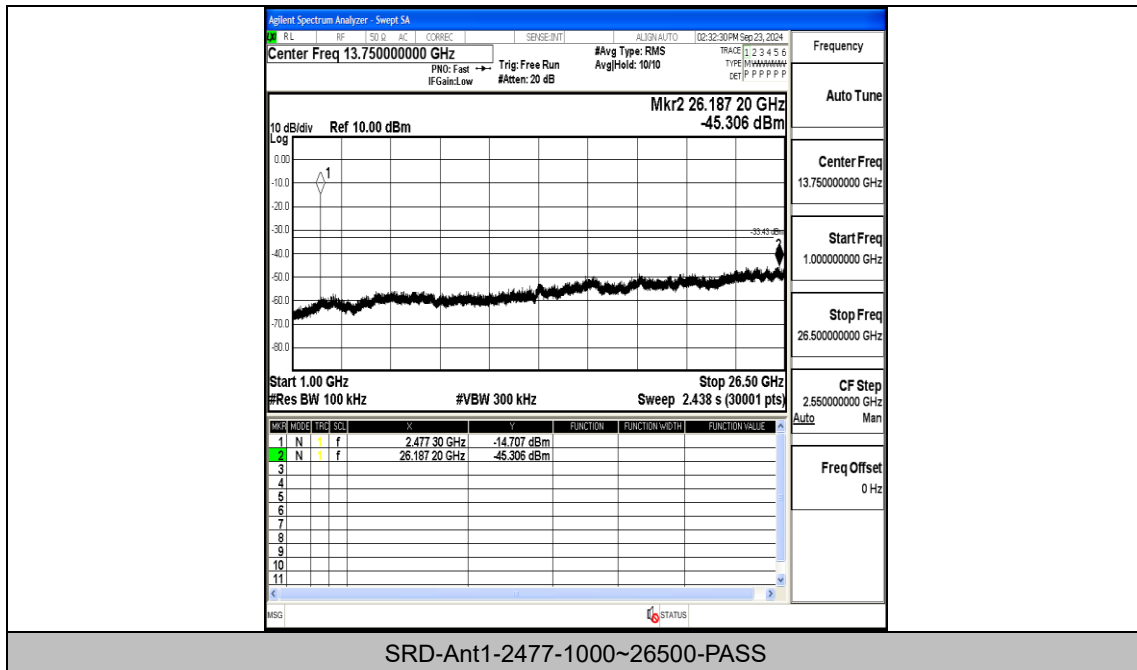
SRD-Ant1-2442-1000~26500-PASS



SRD-Ant1-2477-0~Reference-PASS



SRD-Ant1-2477-30~1000-PASS

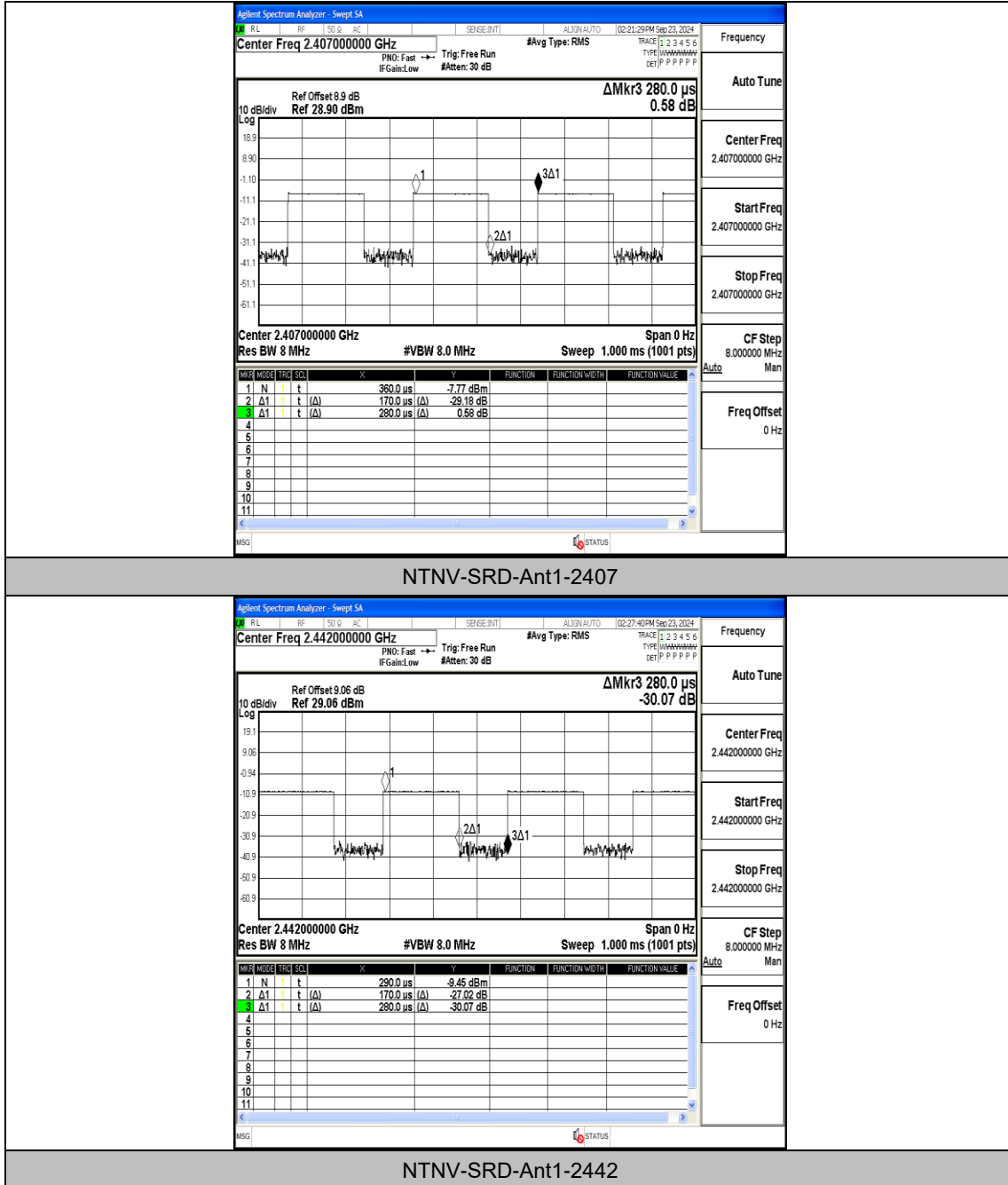


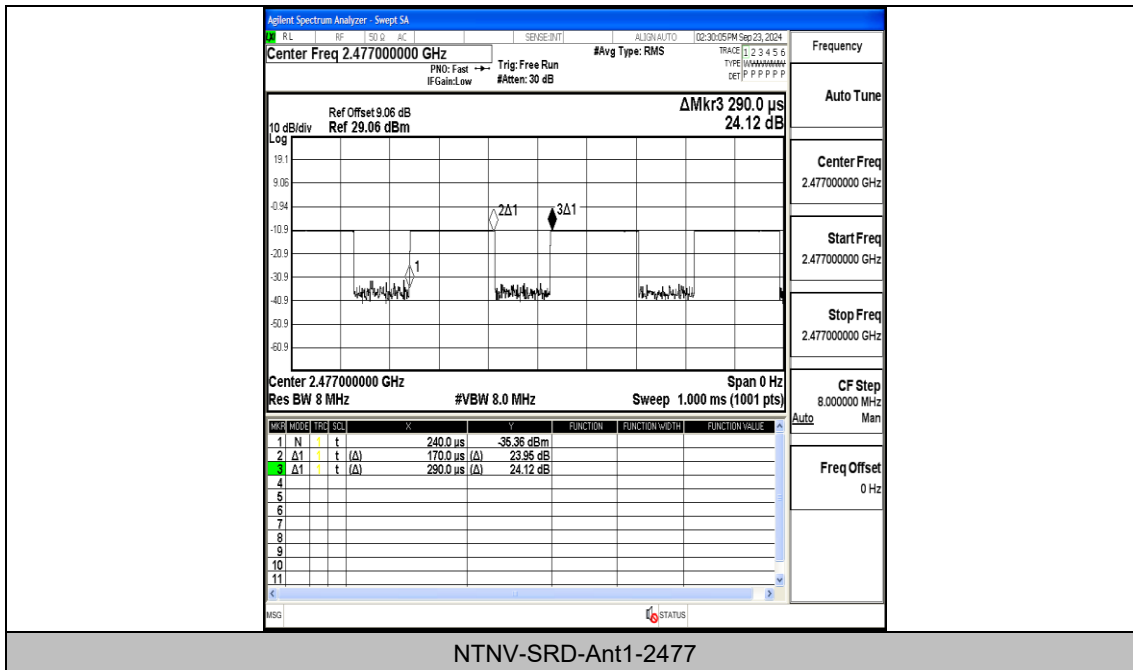
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2407	0.17	0.28	60.71	2.17
SRD	Ant1	2442	0.17	0.28	60.71	2.17
SRD	Ant1	2477	0.17	0.29	58.62	2.32

Test Graphs





NTNV-SRD-Ant1-2477