

Appendix Test Data for BLE (Conducted Measurement)

Product Name: remote control car

Trade Mark: N/A

Test Model: LY-016

FCC ID: 2BK33-LY-016

Environmental Conditions

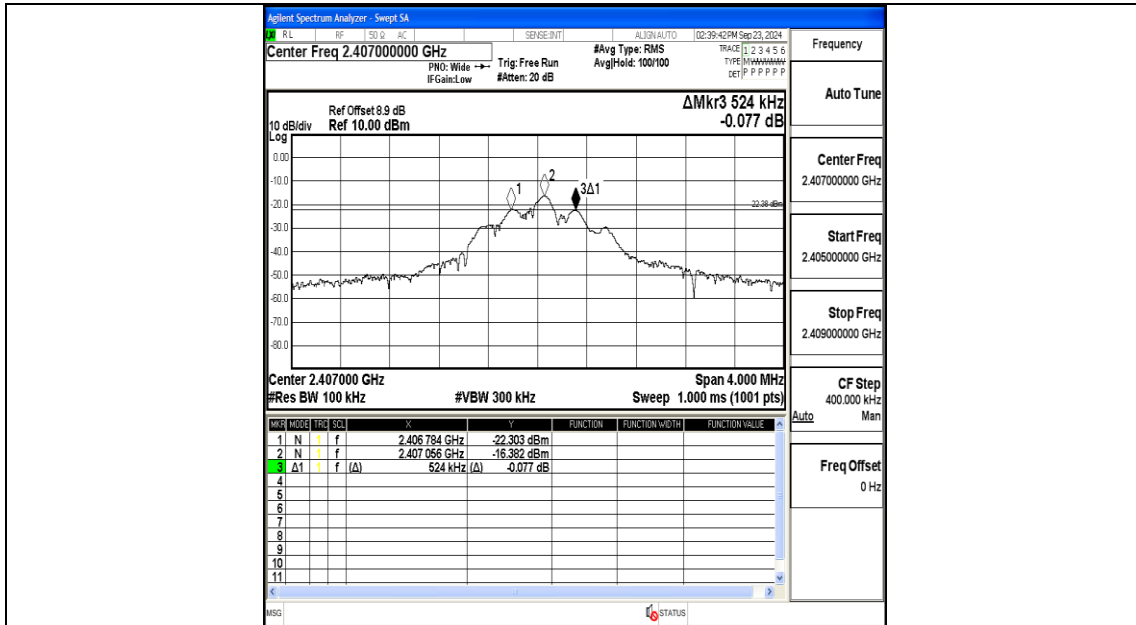
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

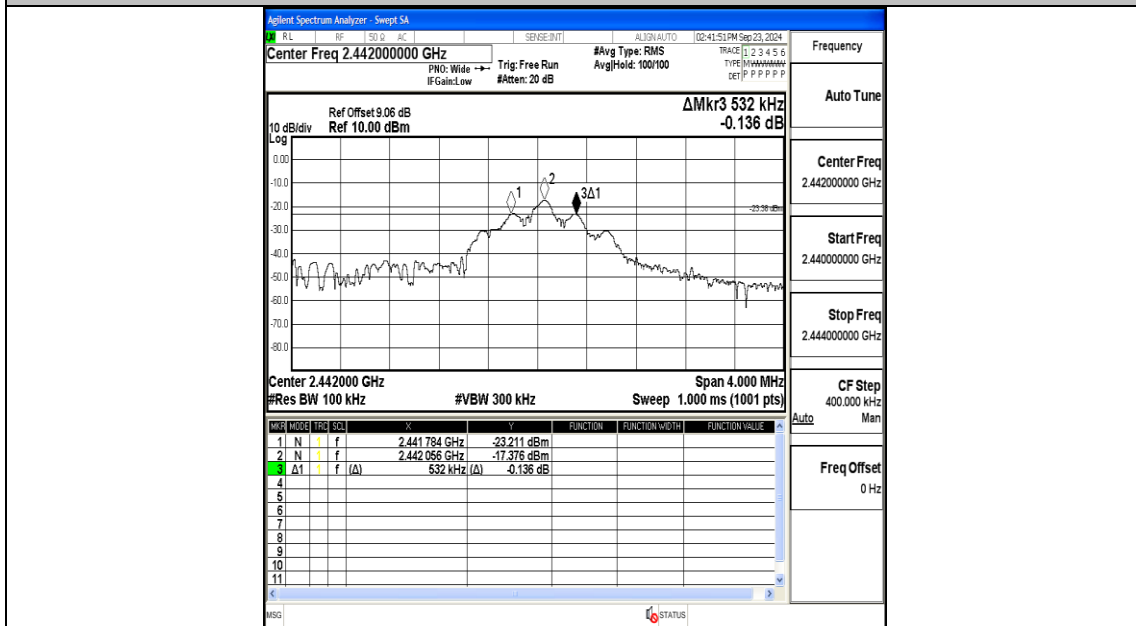
Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	0.524	2406.784	2407.308	0.5	PASS
SRD	Ant1	2442	0.532	2441.784	2442.316	0.5	PASS
SRD	Ant1	2477	0.516	2476.796	2477.312	0.5	PASS

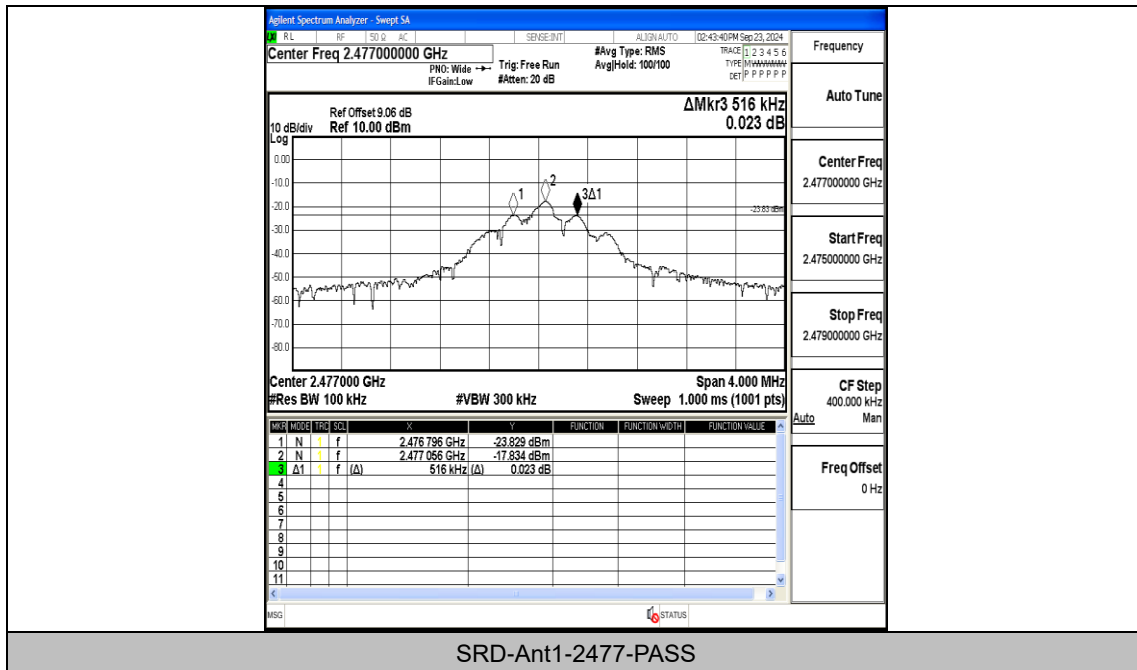
Test Graphs



SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS



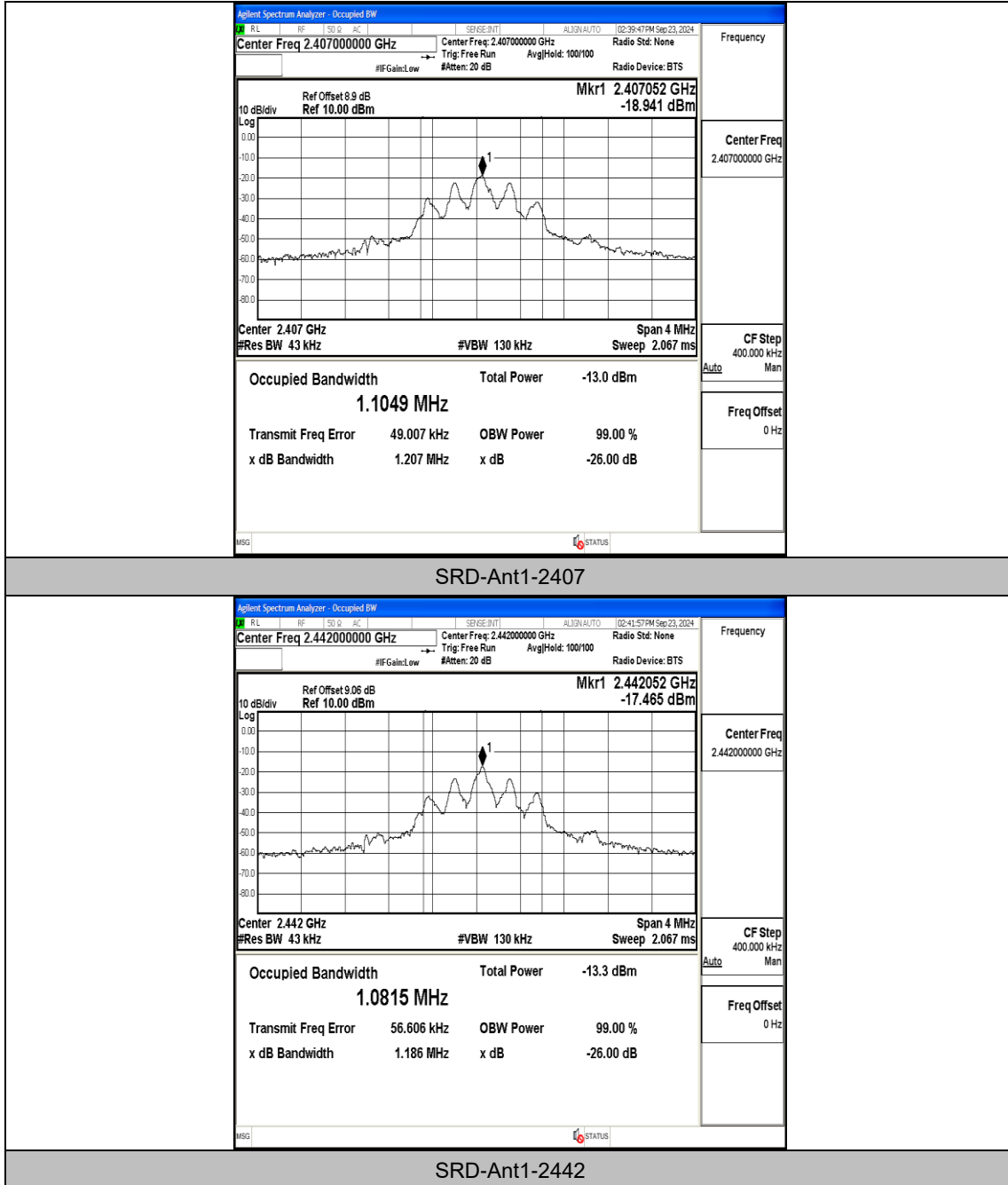
SRD-Ant1-2477-PASS

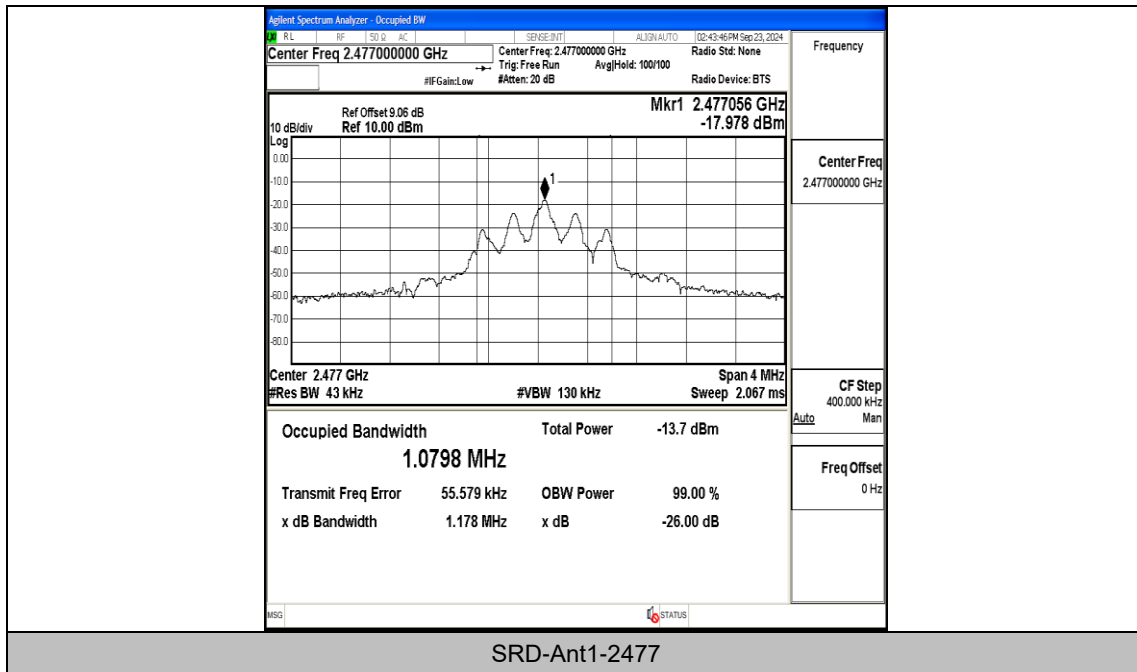
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2407	1.1049	2406.4966	2407.6015	---	---
SRD	Ant1	2442	1.0815	2441.5159	2442.5974	---	---
SRD	Ant1	2477	1.0798	2476.5157	2477.5955	---	---

Test Graphs



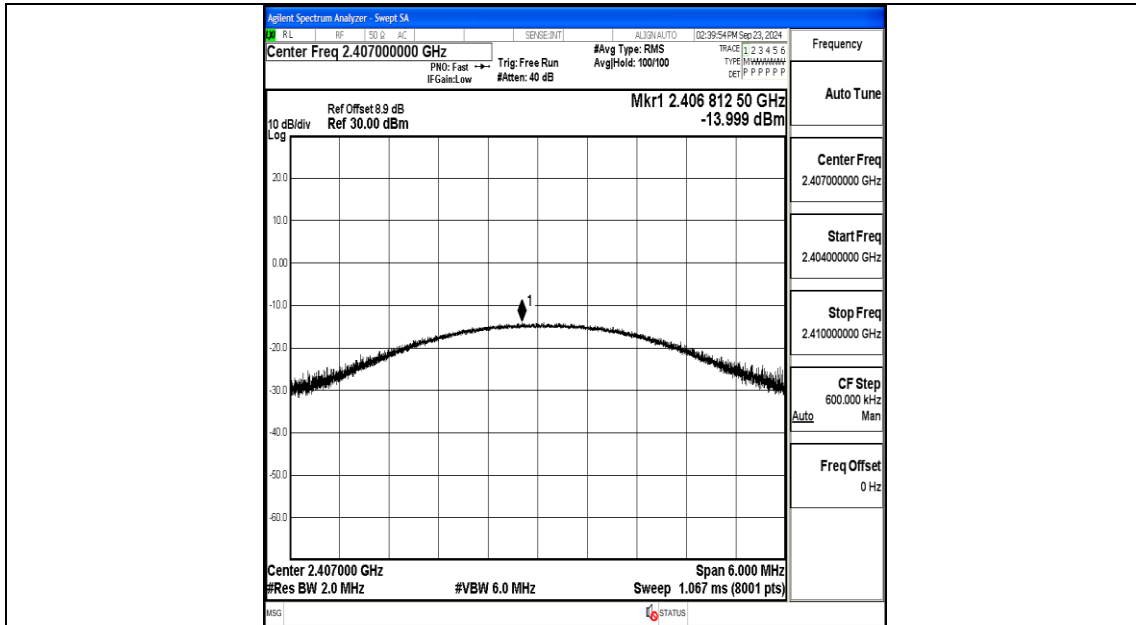


Appendix C: Maximum peak conducted output power

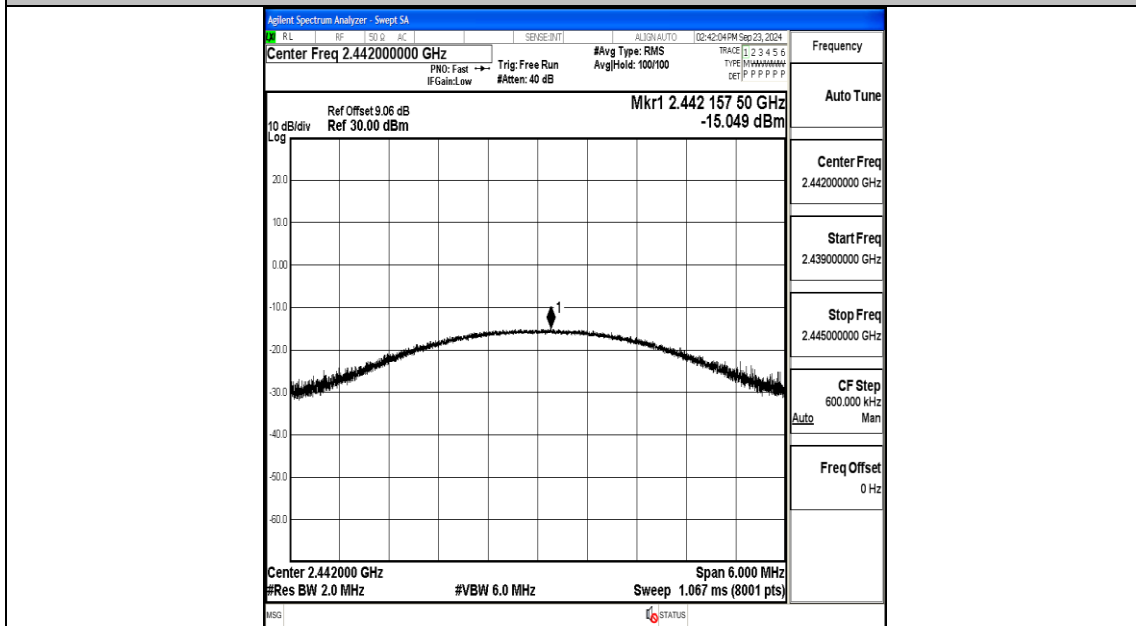
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2407	-14.00	≤30	PASS
SRD	Ant1	2442	-15.05	≤30	PASS
SRD	Ant1	2477	-15.18	≤30	PASS

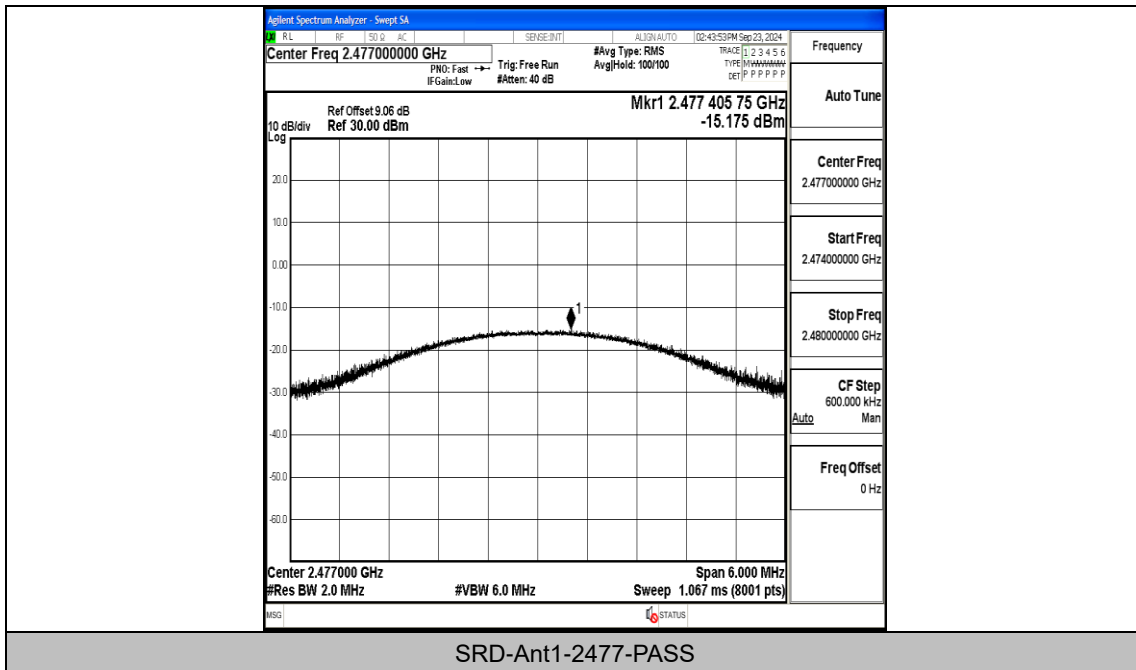
Test Graphs Peak



SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS

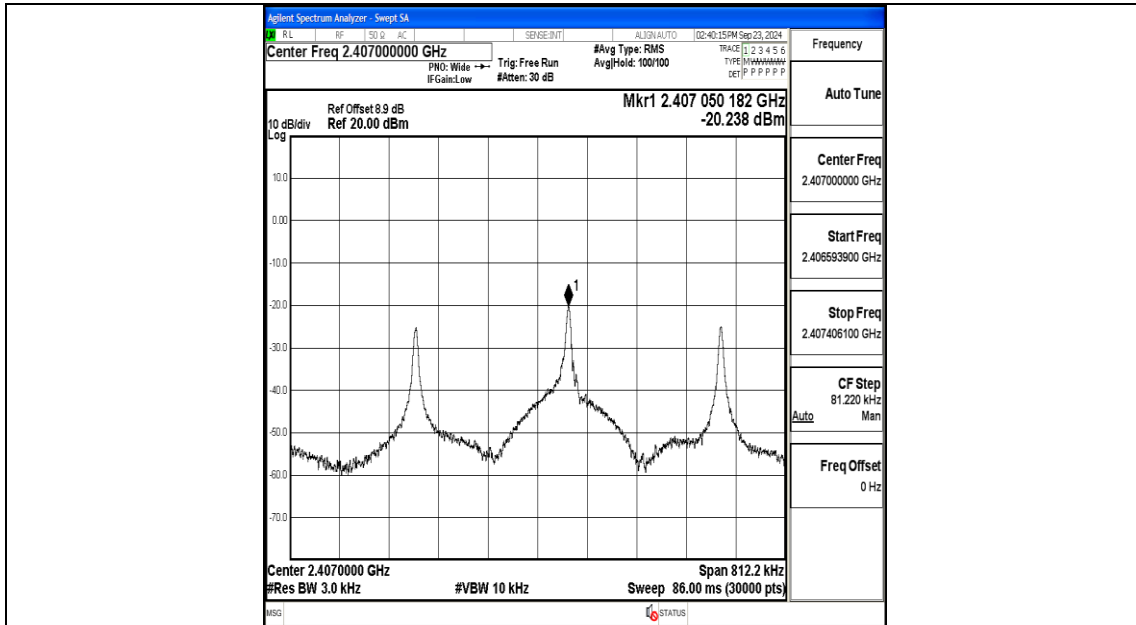


Appendix D: Maximum peak power spectral density

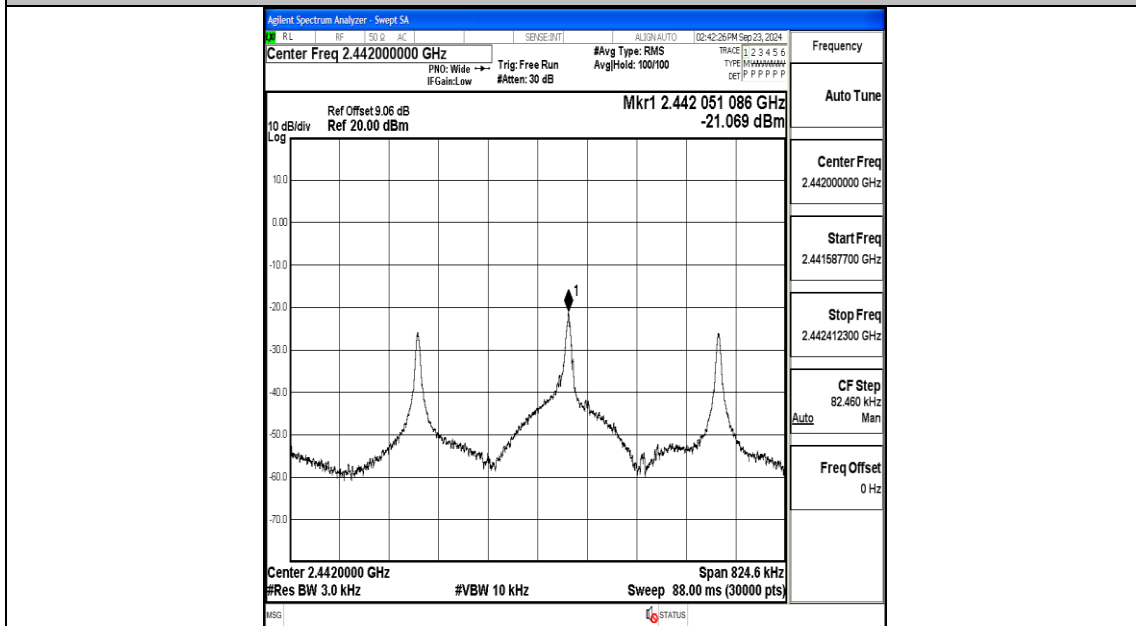
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2407	-20.24	≤8.00	PASS
SRD	Ant1	2442	-21.07	≤8.00	PASS
SRD	Ant1	2477	-21.44	≤8.00	PASS

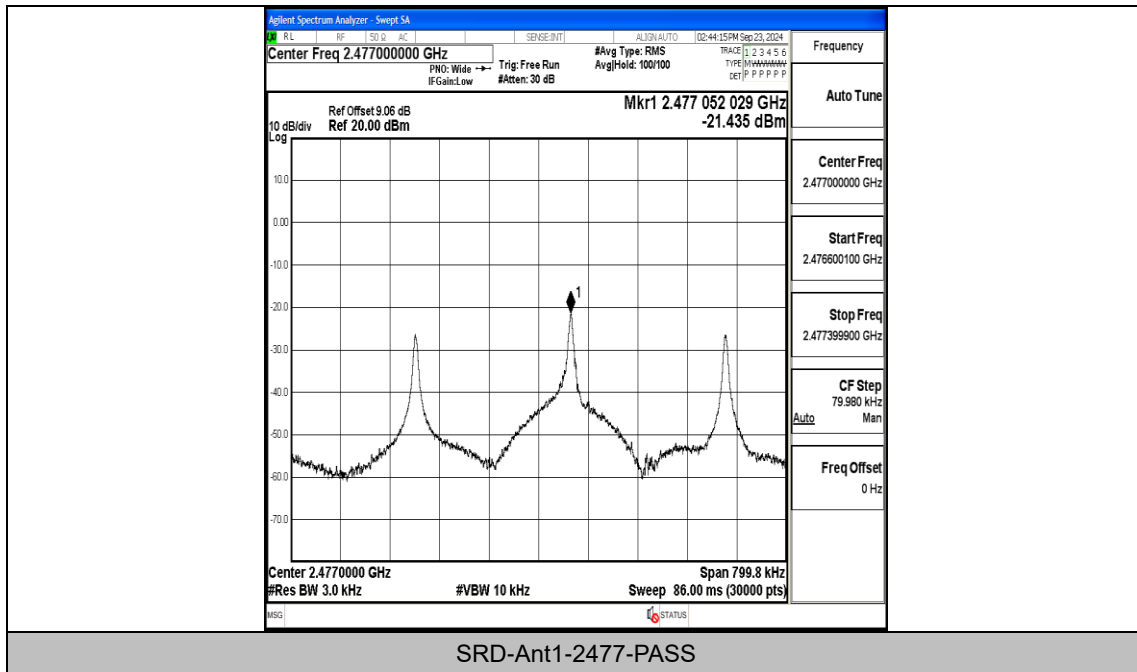
Test Graphs



SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS

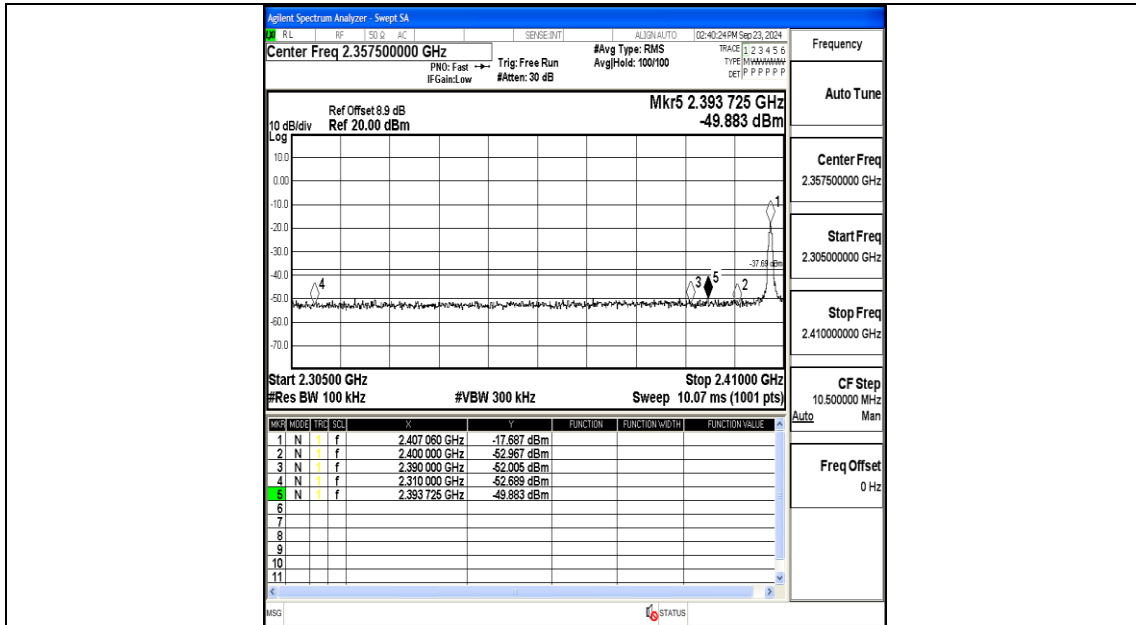


Appendix E: Band edge measurements

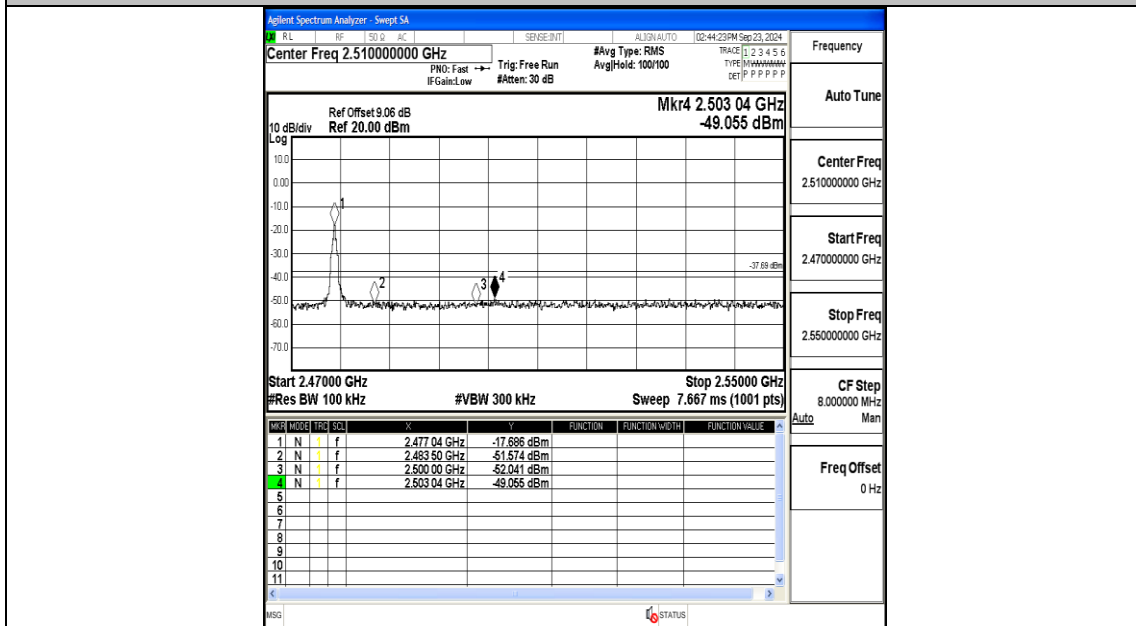
Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2407	-17.69	-49.88	≤-37.69	PASS
SRD	Ant1	High	2477	-17.69	-49.06	≤-37.69	PASS

Test Graphs



SRD-Ant1-2407-PASS



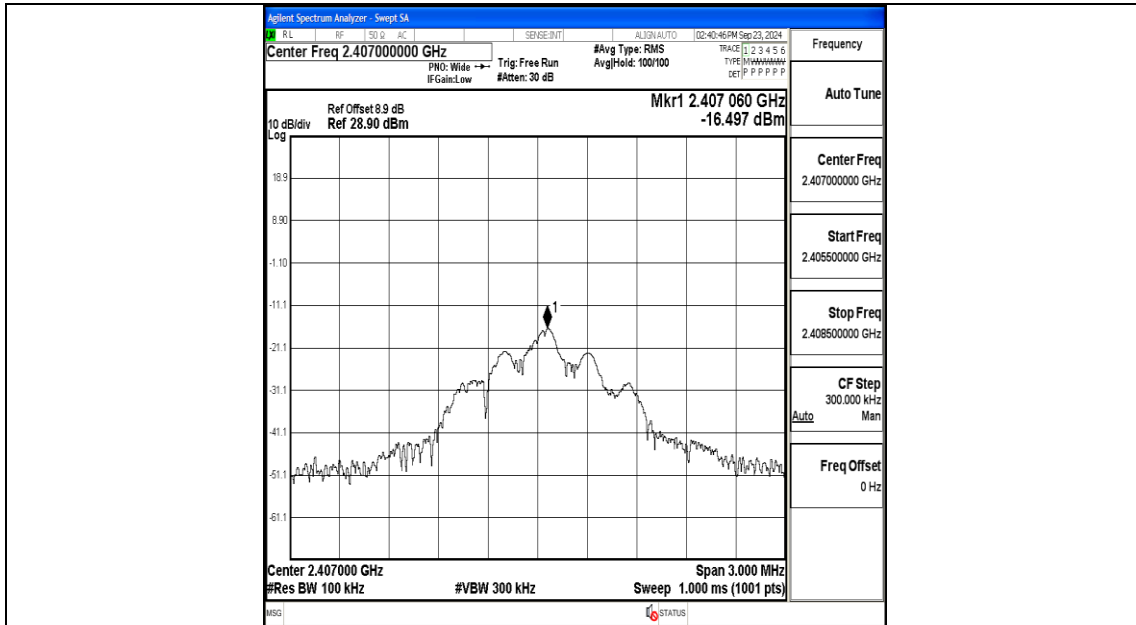
SRD-Ant1-2477-PASS

Appendix F: Conducted Spurious Emission

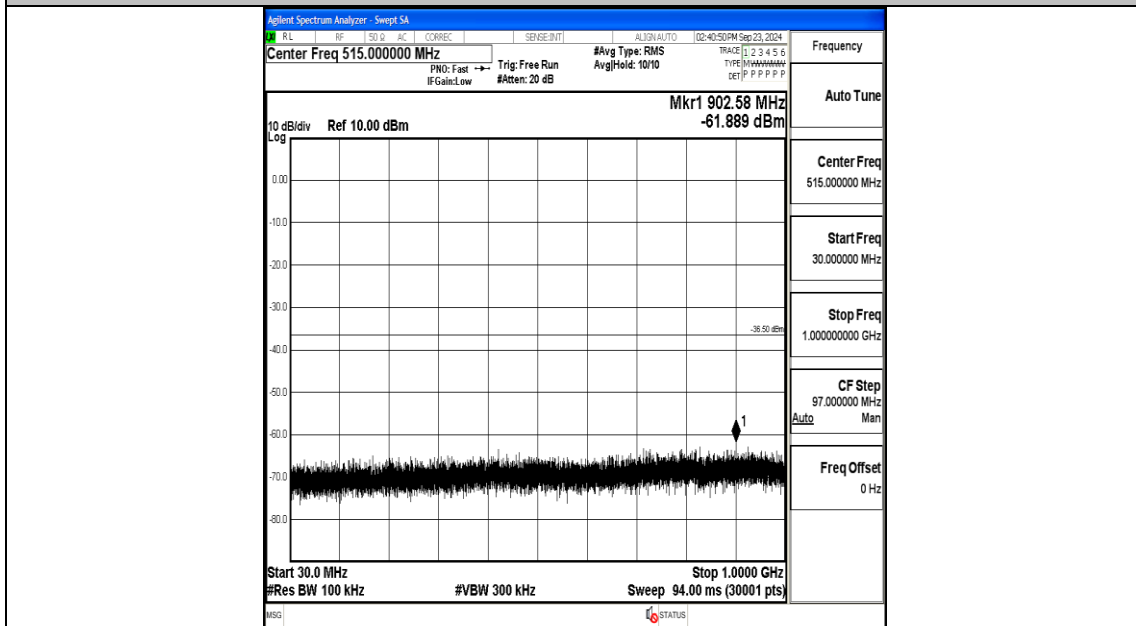
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2407	0~Reference	-16.50	-16.50	---	PASS
SRD	Ant1	2407	30~1000	-16.50	-61.89	≤ -36.5	PASS
SRD	Ant1	2407	1000~26500	-16.50	-44.63	≤ -36.5	PASS
SRD	Ant1	2442	0~Reference	-17.40	-17.40	---	PASS
SRD	Ant1	2442	30~1000	-17.40	-62.45	≤ -37.4	PASS
SRD	Ant1	2442	1000~26500	-17.40	-44.51	≤ -37.4	PASS
SRD	Ant1	2477	0~Reference	-17.73	-17.73	---	PASS
SRD	Ant1	2477	30~1000	-17.73	-62.52	≤ -37.73	PASS
SRD	Ant1	2477	1000~26500	-17.73	-44.48	≤ -37.73	PASS

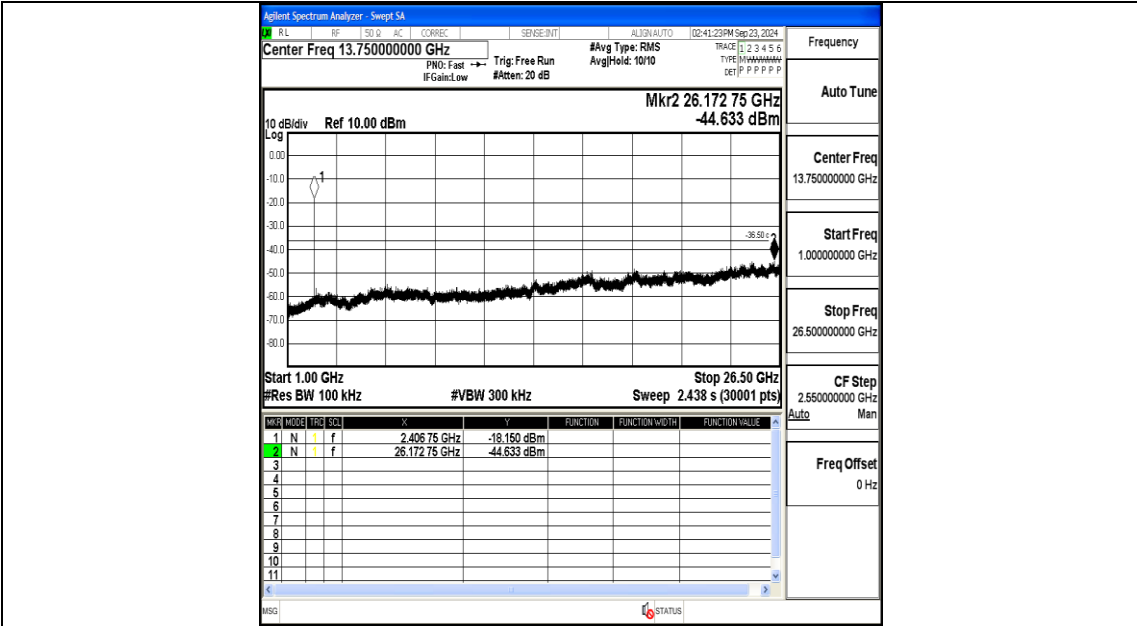
Test Graphs



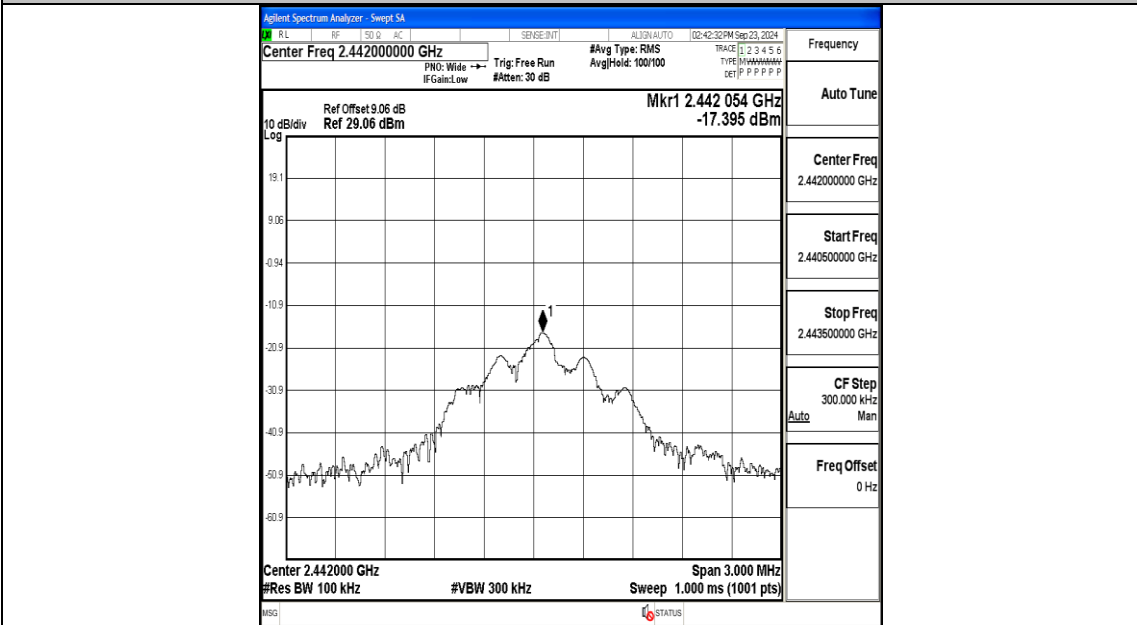
SRD-Ant1-2407-0~Reference-PASS



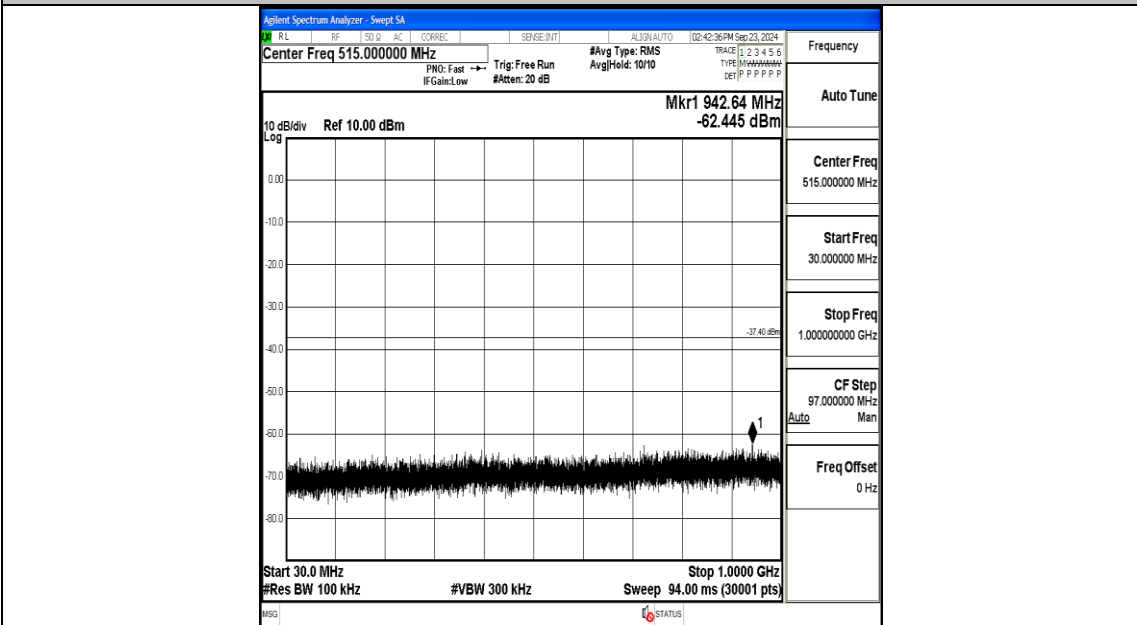
SRD-Ant1-2407-30~1000-PASS



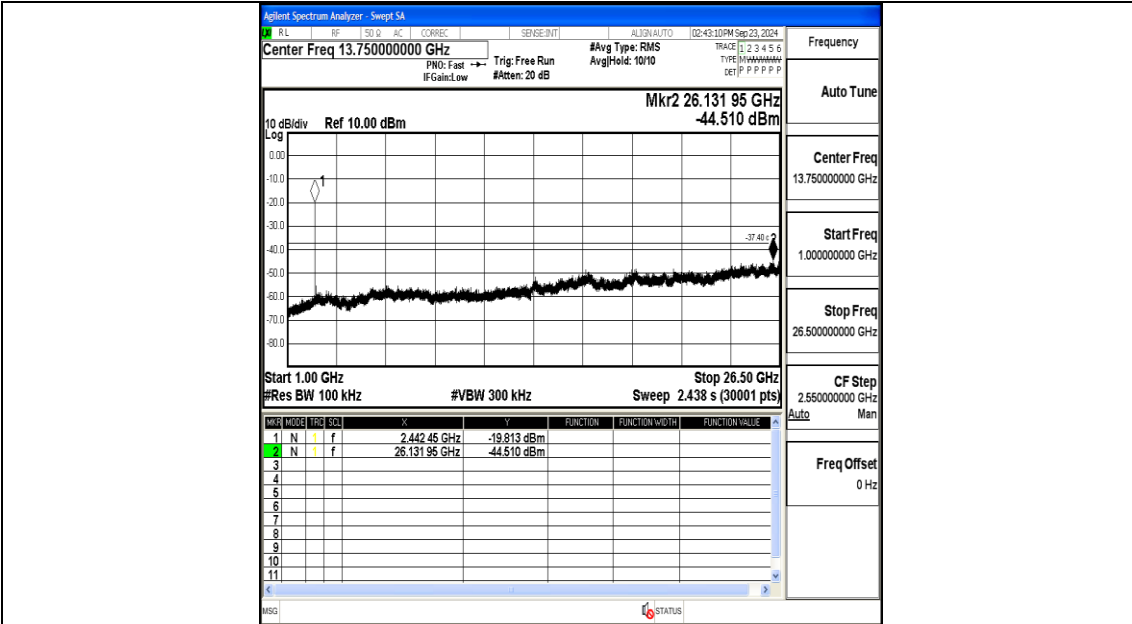
SRD-Ant1-2407-1000~26500-PASS



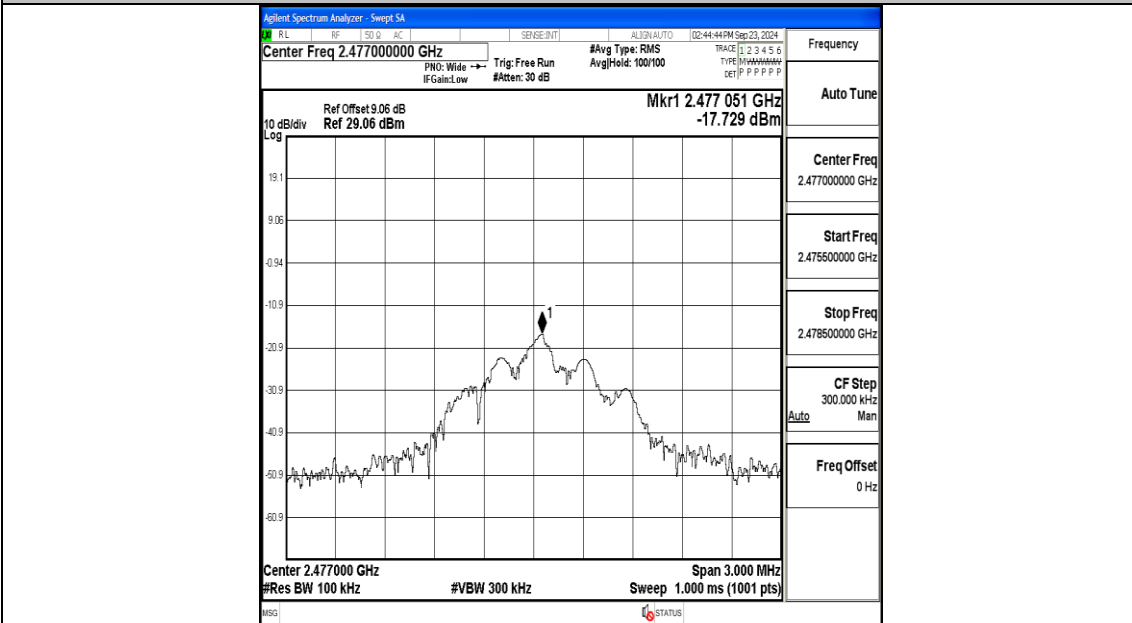
SRD-Ant1-2442-0~Reference-PASS



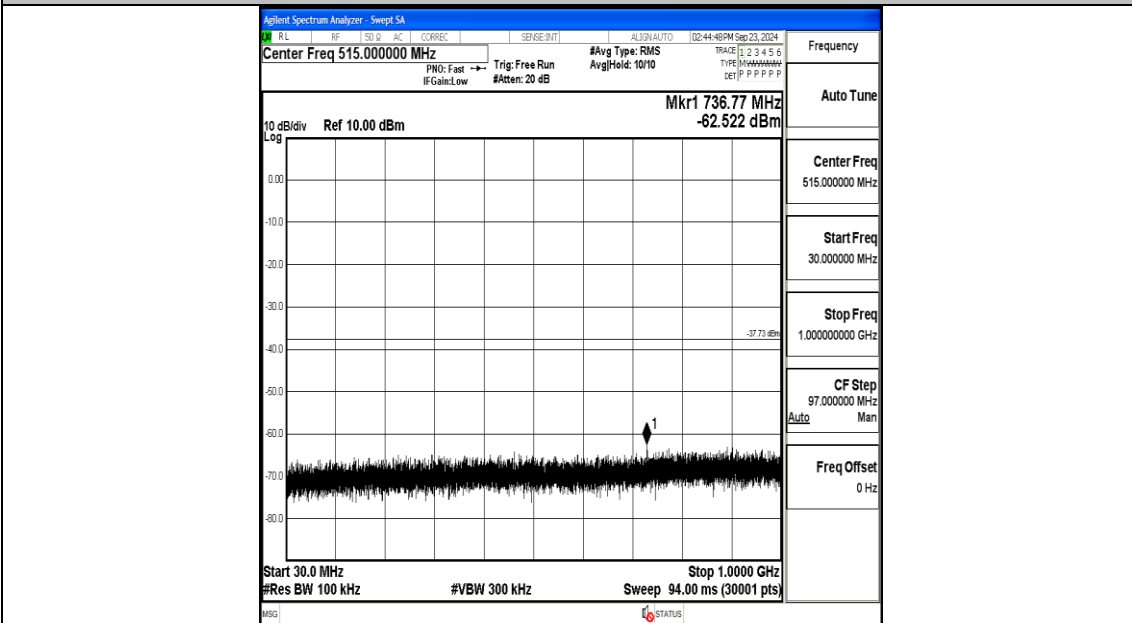
SRD-Ant1-2442-30~1000-PASS



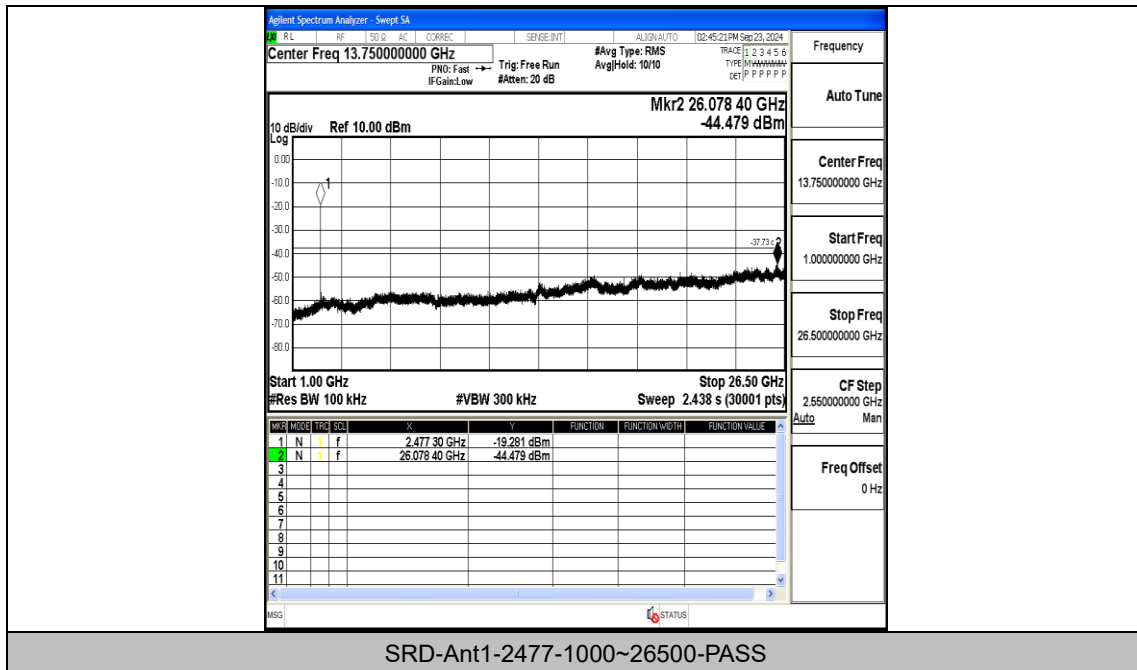
SRD-Ant1-2442-1000~26500-PASS



SRD-Ant1-2477-0~Reference-PASS



SRD-Ant1-2477-30~1000-PASS

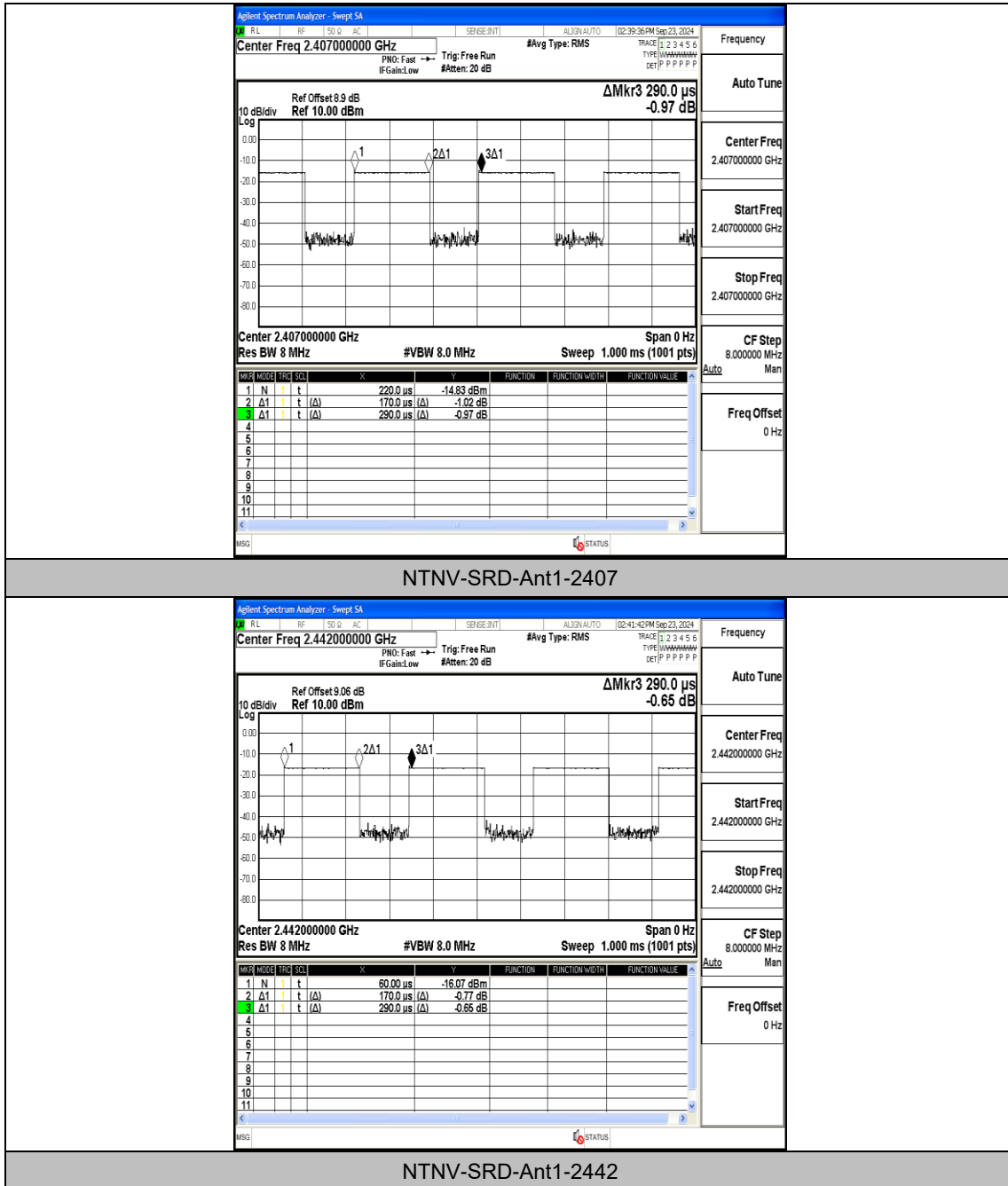


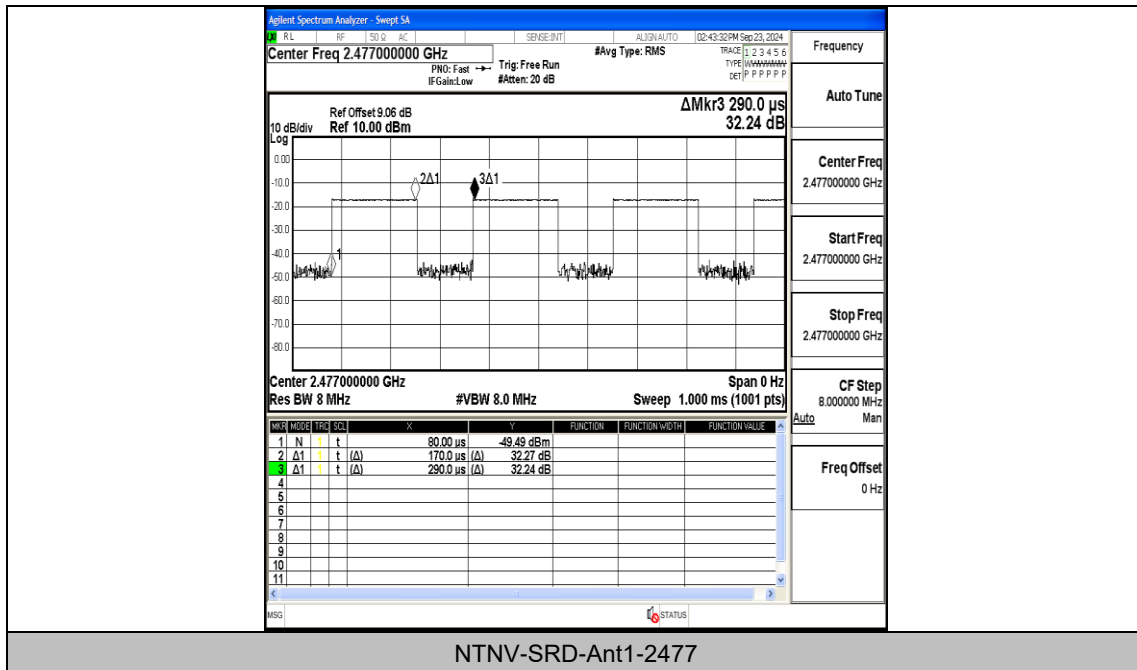
Appendix G: Duty Cycle

Test Result

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

Test Graphs





NTNV-SRD-Ant1-2477