

Appendix Test Data for SRD (Conducted Measurement)

Product Name: RC Helicopter

Trade Mark: N/A

Test Model: S100

FCC ID: QV7-GC88752-106

Environmental Conditions

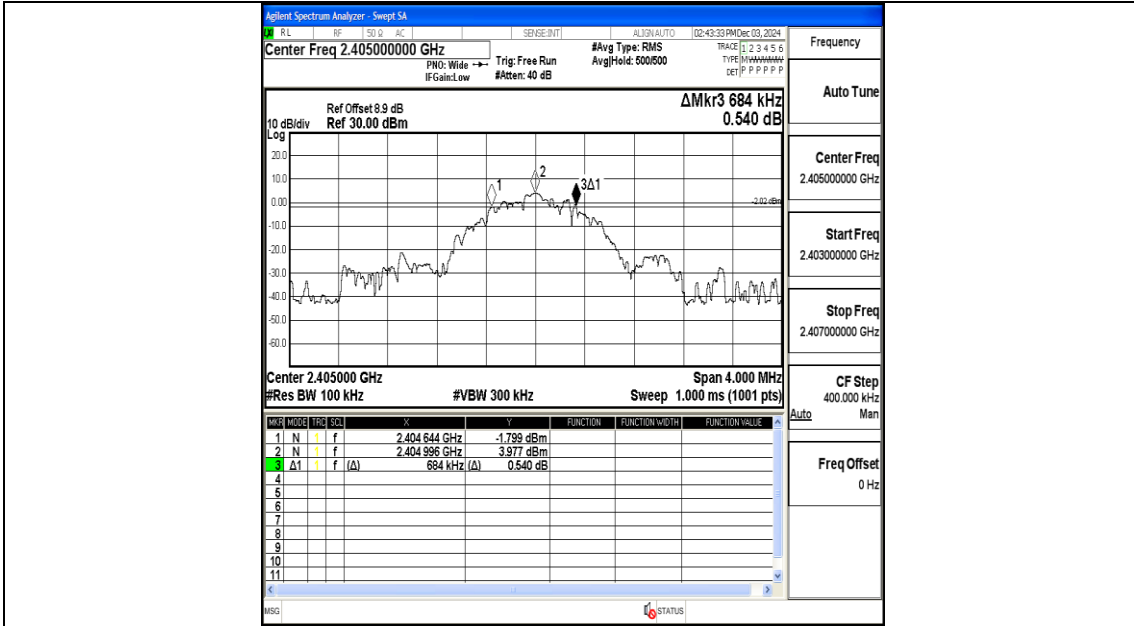
Temperature:	23.5°C
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

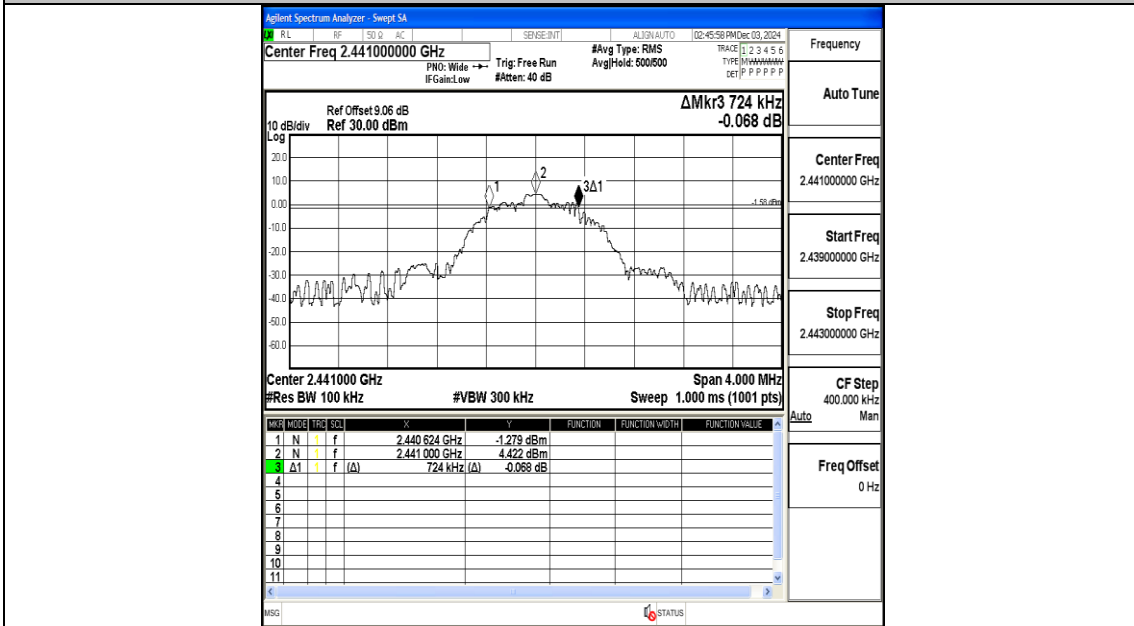
Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	0.684	2404.644	2405.328	0.5	PASS
SRD	Ant1	2441	0.724	2440.624	2441.348	0.5	PASS
SRD	Ant1	2478	0.712	2477.628	2478.340	0.5	PASS

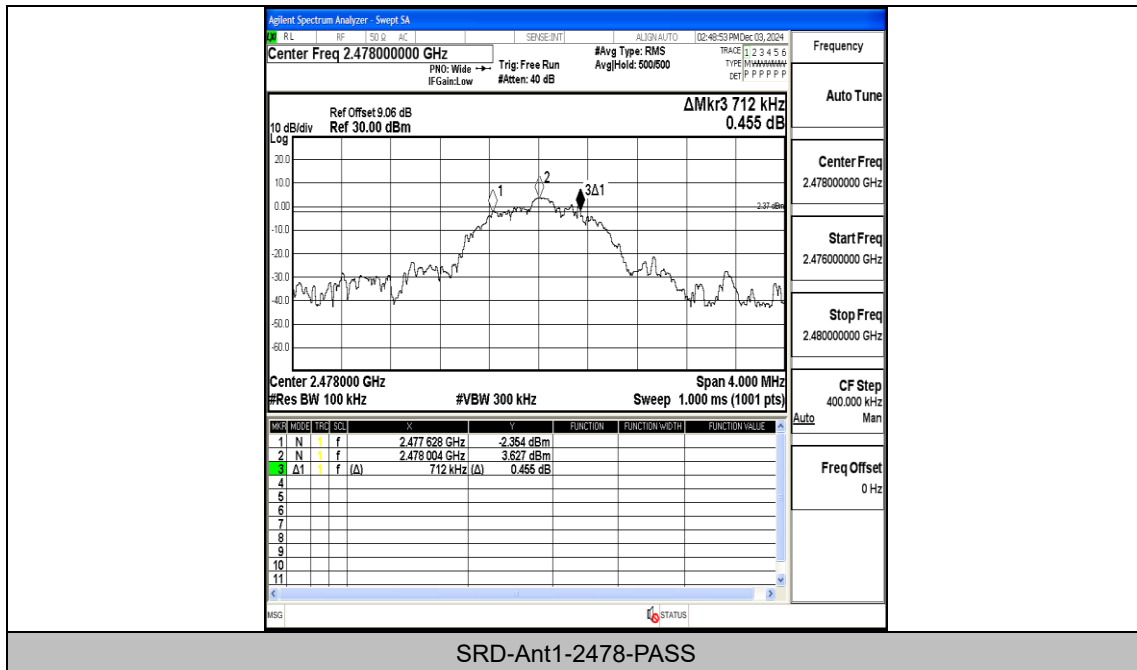
Test Graphs



SRD-Ant1-2405-PASS



SRD-Ant1-2441-PASS

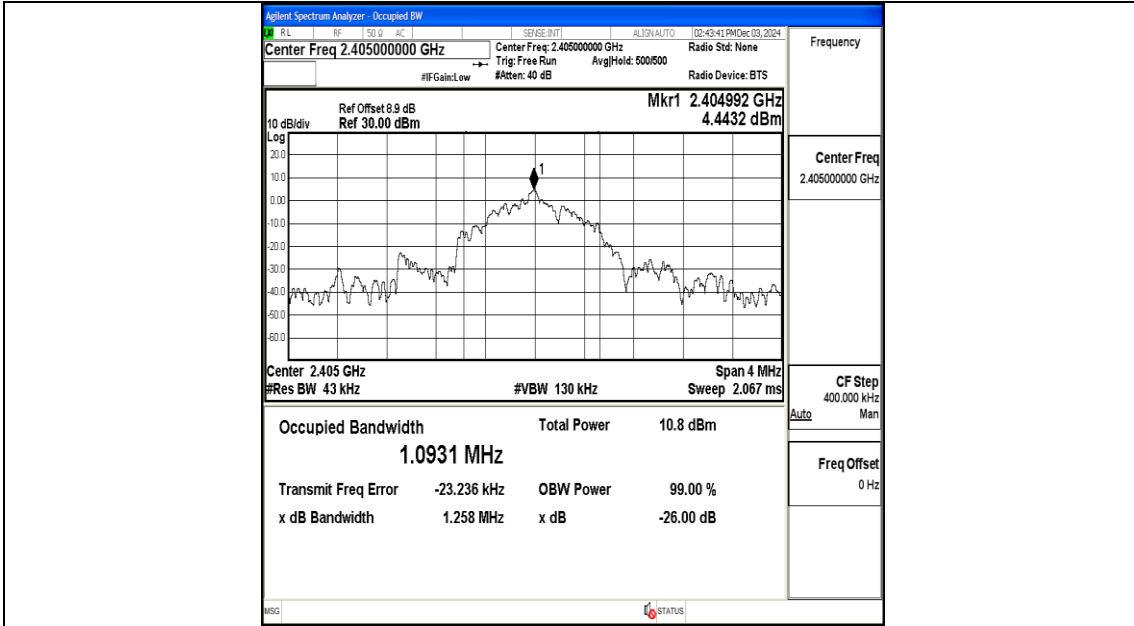


Appendix B: Occupied Channel Bandwidth

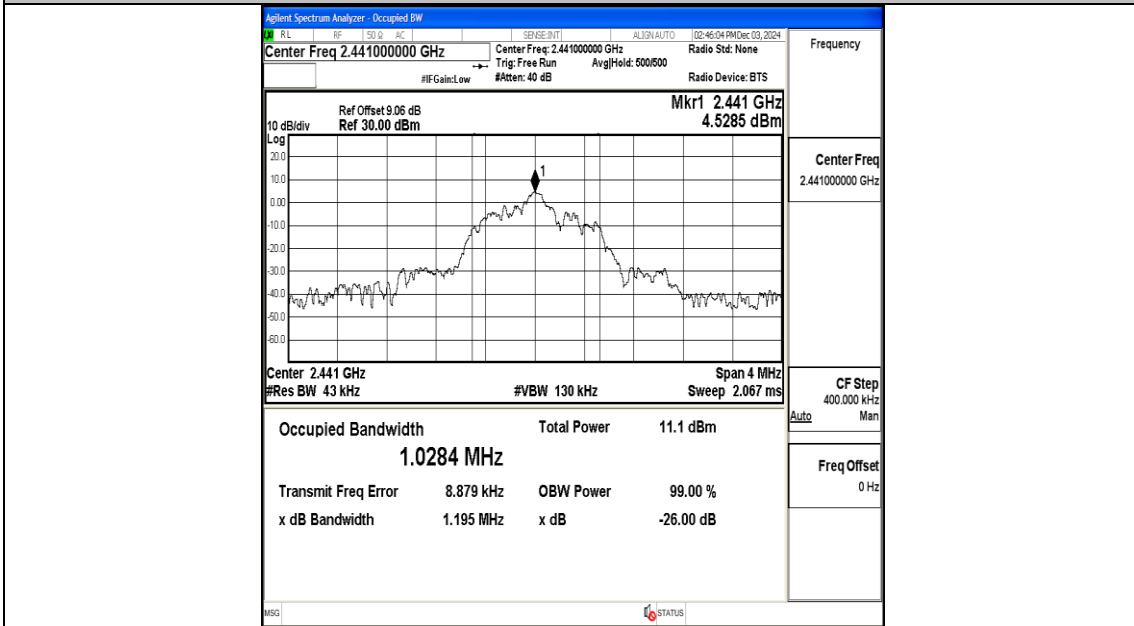
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	1.0931	2404.4302	2405.5233	---	---
SRD	Ant1	2441	1.0284	2440.4947	2441.5231	---	---
SRD	Ant1	2478	1.1044	2477.4692	2478.5736	---	---

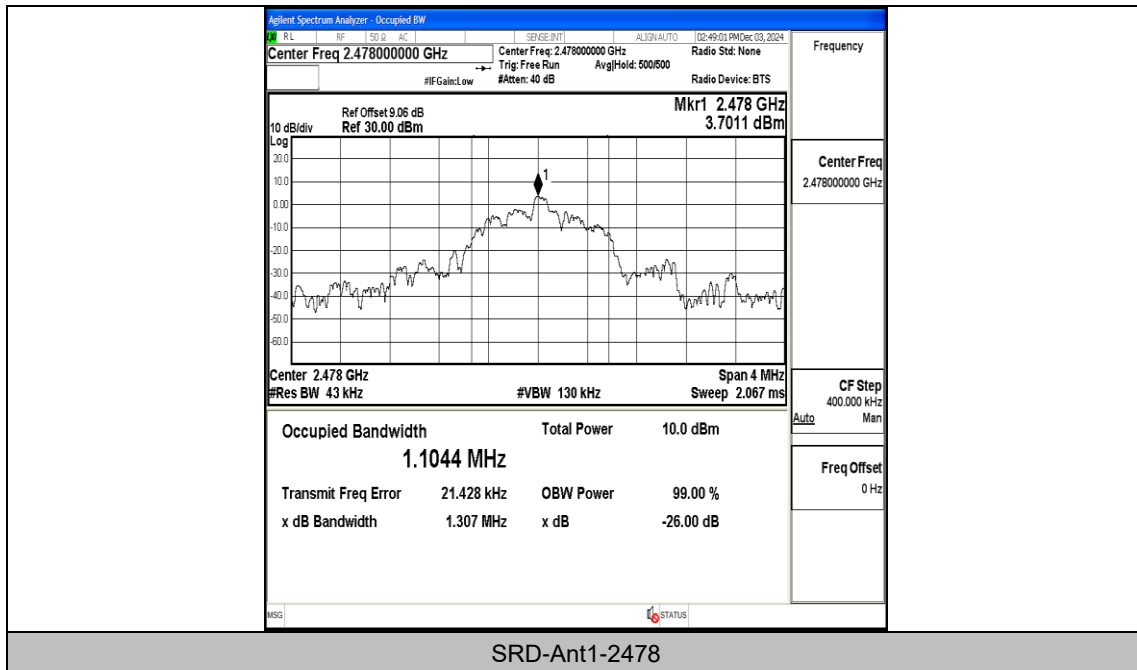
Test Graphs



SRD-Ant1-2405



SRD-Ant1-2441

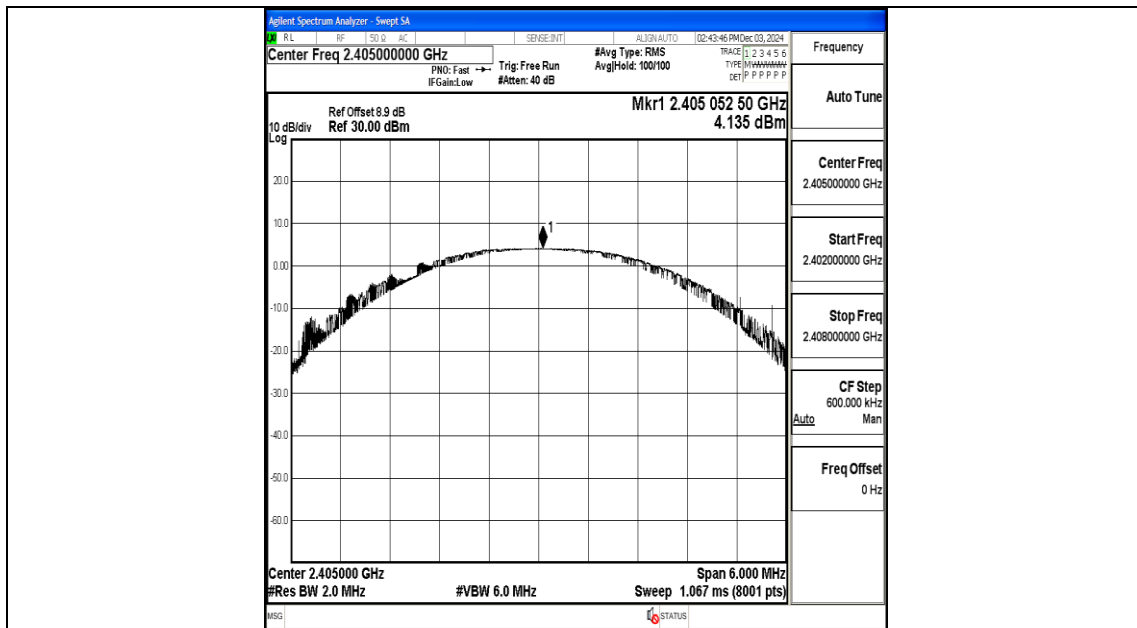


Appendix C: Maximum peak conducted output power

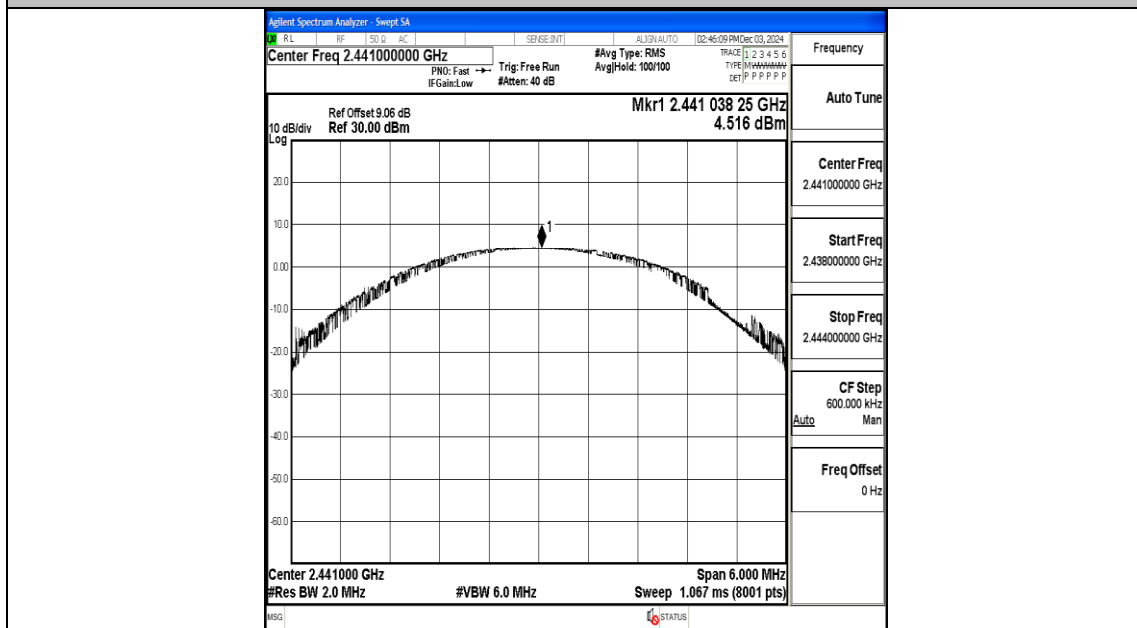
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2405	4.14	≤30	PASS
SRD	Ant1	2441	4.52	≤30	PASS
SRD	Ant1	2478	3.73	≤30	PASS

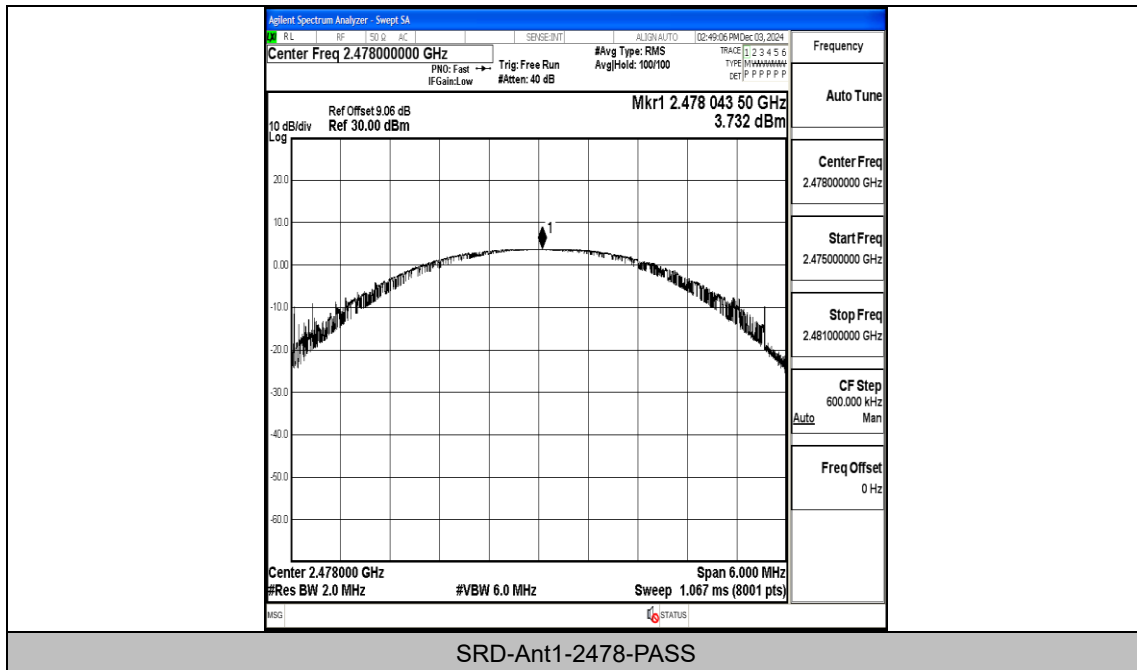
Test Graphs Peak



SRD-Ant1-2405-PASS



SRD-Ant1-2441-PASS

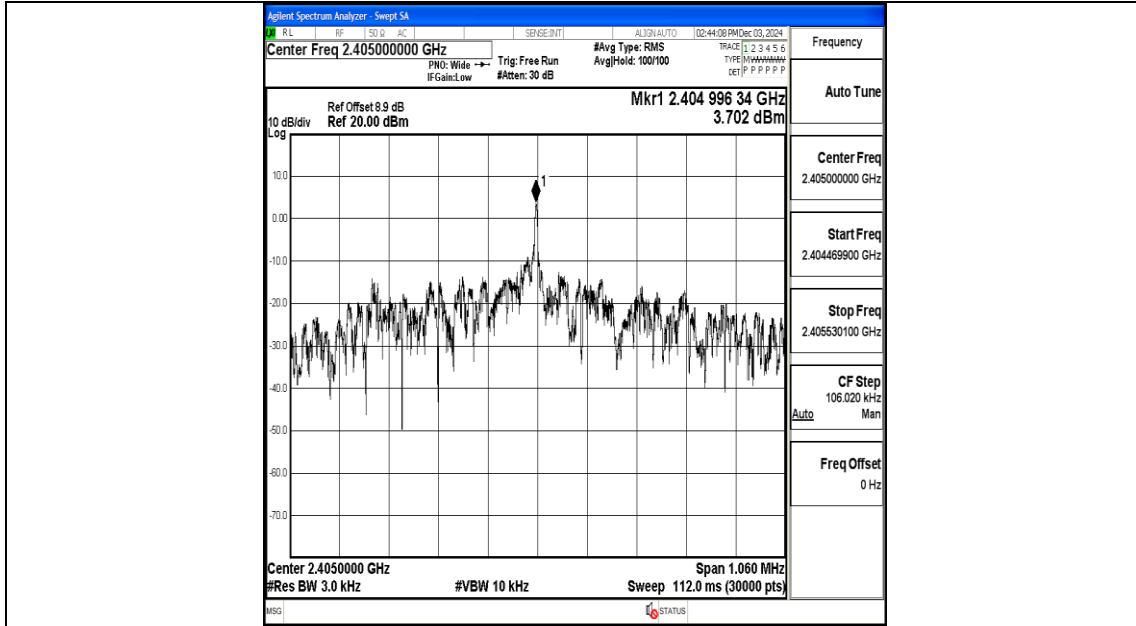


Appendix D: Maximum peak power spectral density

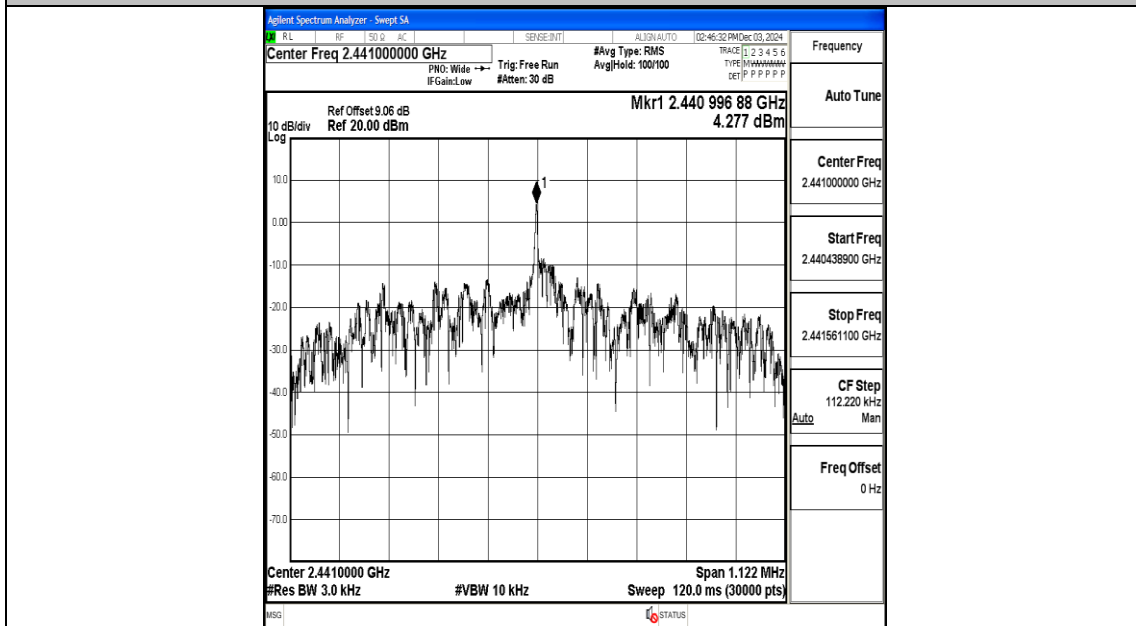
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2405	3.70	≤8.00	PASS
SRD	Ant1	2441	4.28	≤8.00	PASS
SRD	Ant1	2478	3.32	≤8.00	PASS

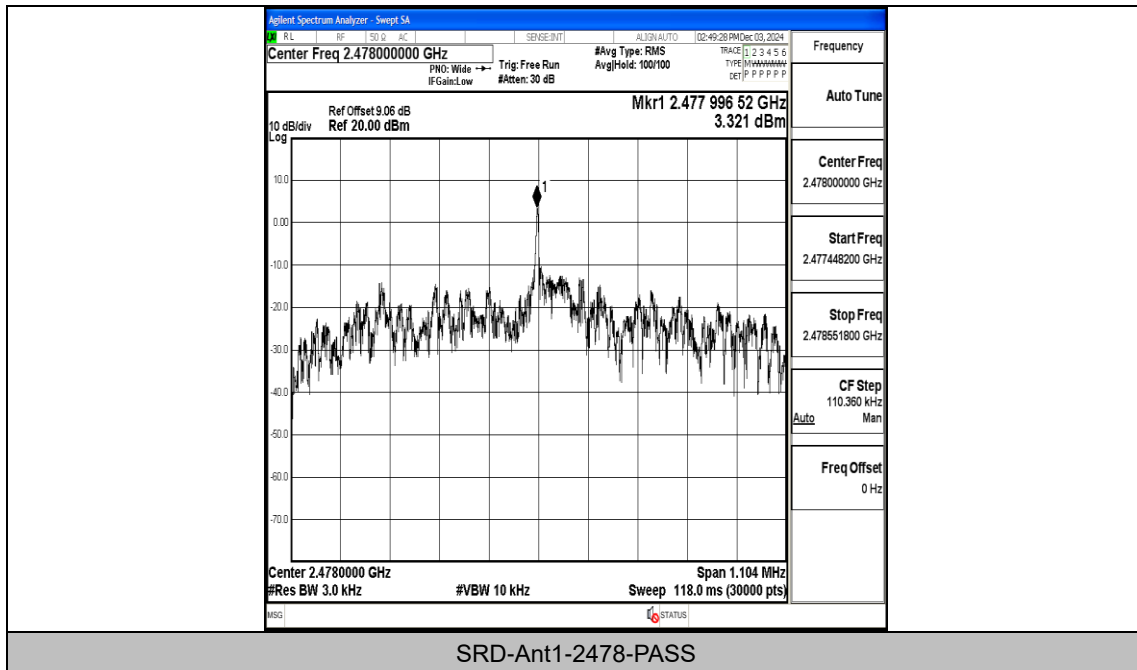
Test Graphs



SRD-Ant1-2405-PASS



SRD-Ant1-2441-PASS

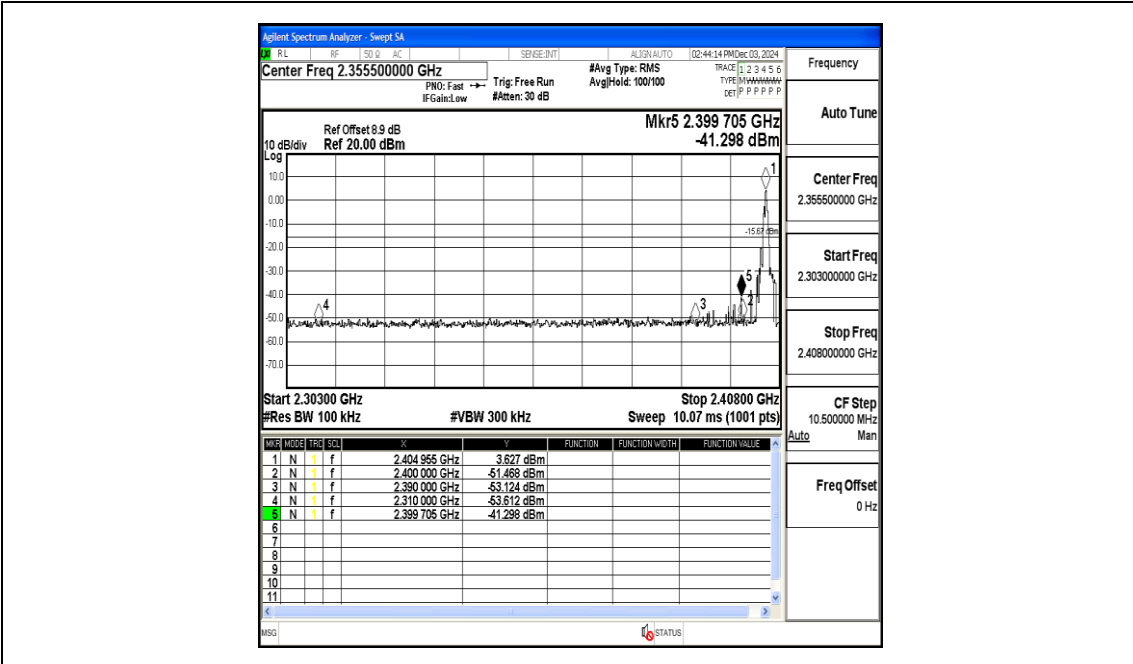


Appendix E: Band edge measurements

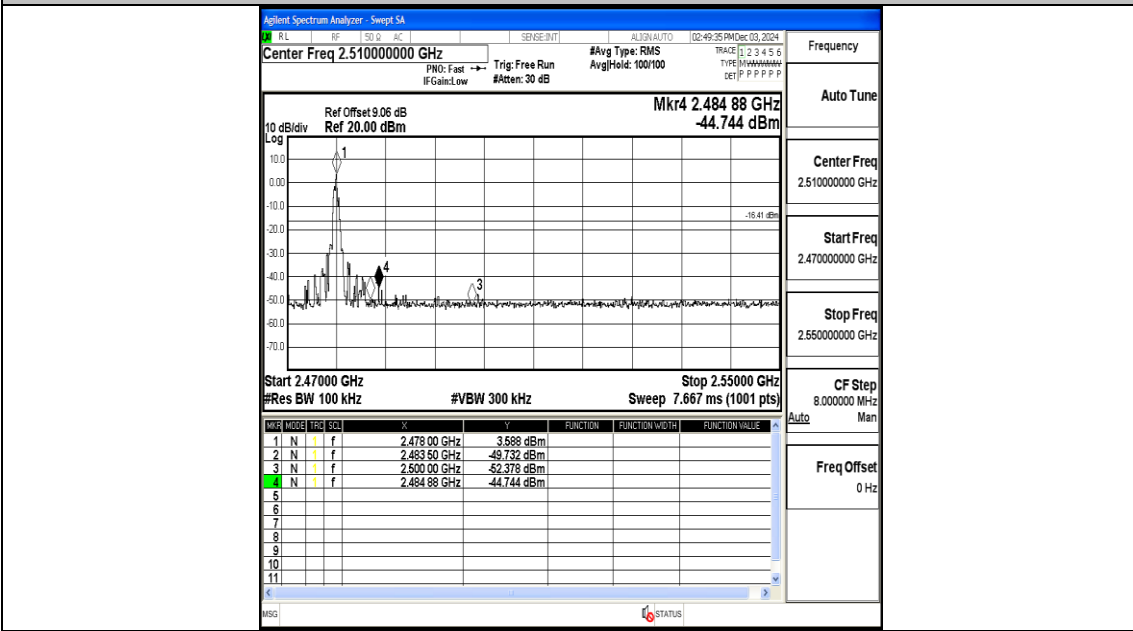
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2405	3.63	-41.3	≤-15.67	PASS
SRD	Ant1	High	2478	3.59	-44.74	≤-16.41	PASS

Test Graphs



SRD-Ant1-2405-PASS



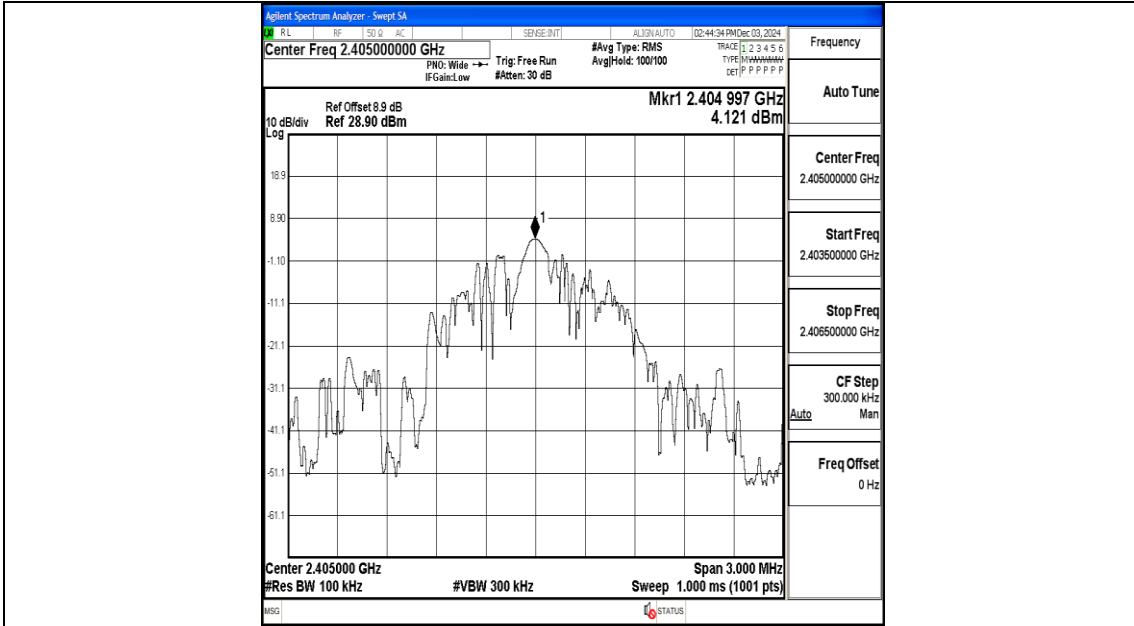
SRD-Ant1-2478-PASS

Appendix F: Conducted Spurious Emission

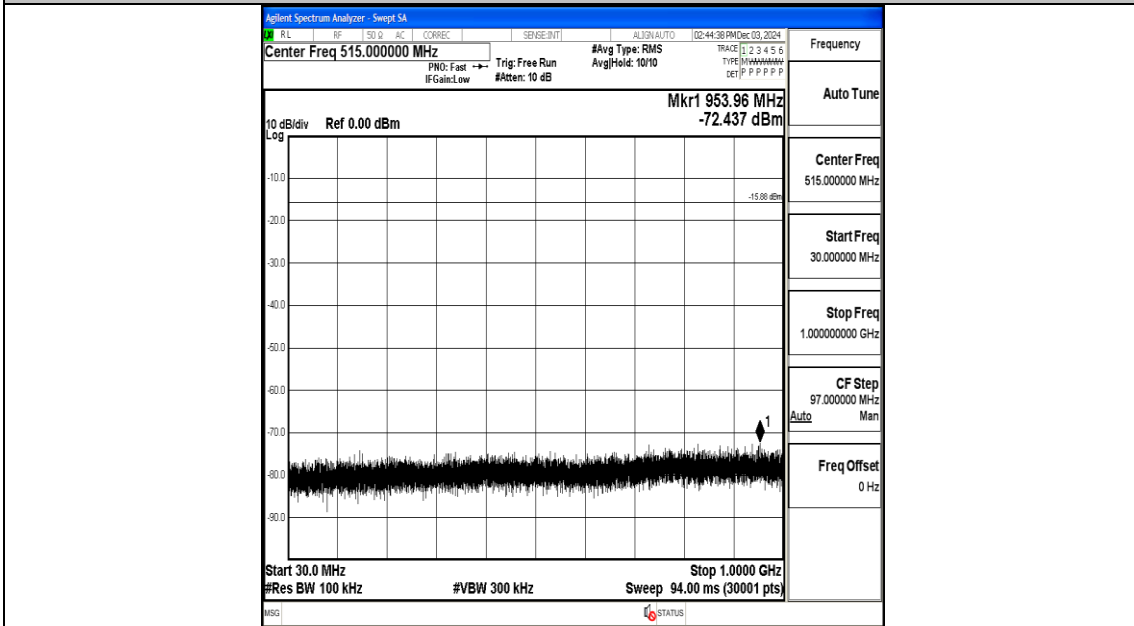
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2405	0~Reference	4.12	4.12	---	PASS
SRD	Ant1	2405	30~1000	4.12	-72.44	≤-15.88	PASS
SRD	Ant1	2405	1000~26500	4.12	-34.91	≤-15.88	PASS
SRD	Ant1	2441	0~Reference	4.29	4.29	---	PASS
SRD	Ant1	2441	30~1000	4.29	-72.93	≤-15.71	PASS
SRD	Ant1	2441	1000~26500	4.29	-37.76	≤-15.71	PASS
SRD	Ant1	2478	0~Reference	3.62	3.62	---	PASS
SRD	Ant1	2478	30~1000	3.62	-72.72	≤-16.38	PASS
SRD	Ant1	2478	1000~26500	3.62	-36.6	≤-16.38	PASS

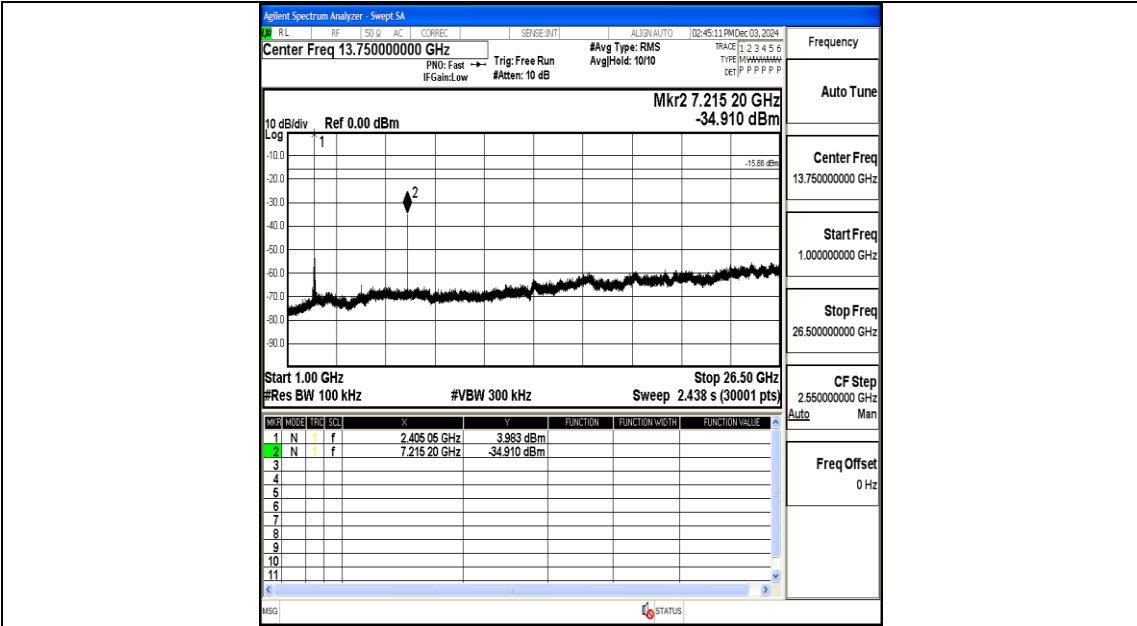
Test Graphs



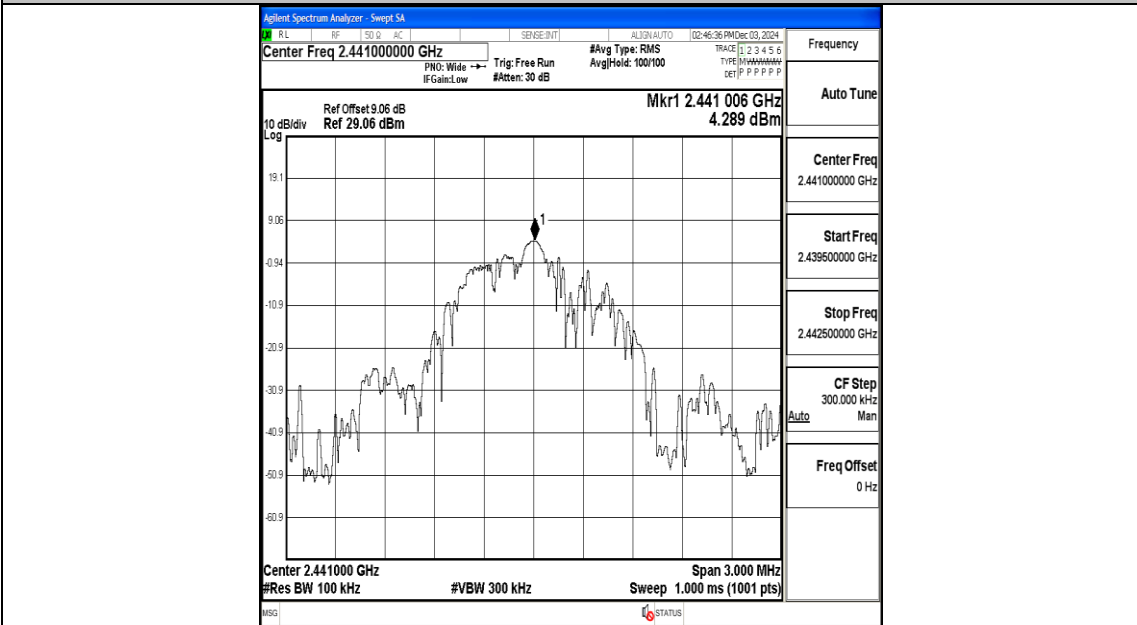
SRD-Ant1-2405-0~Reference-PASS



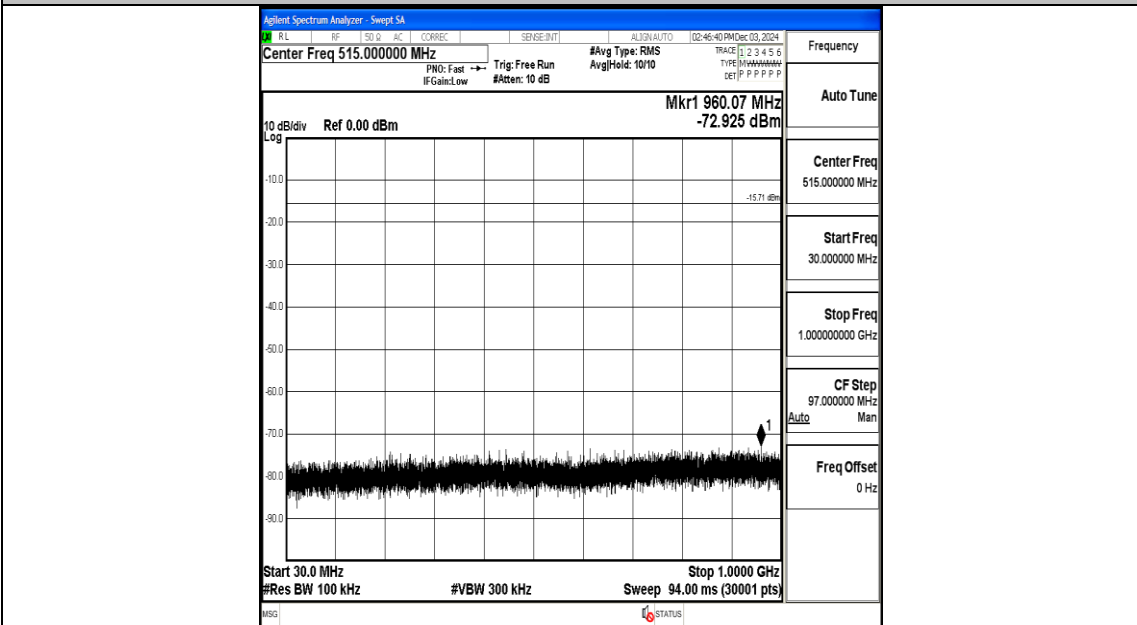
SRD-Ant1-2405-30~1000-PASS



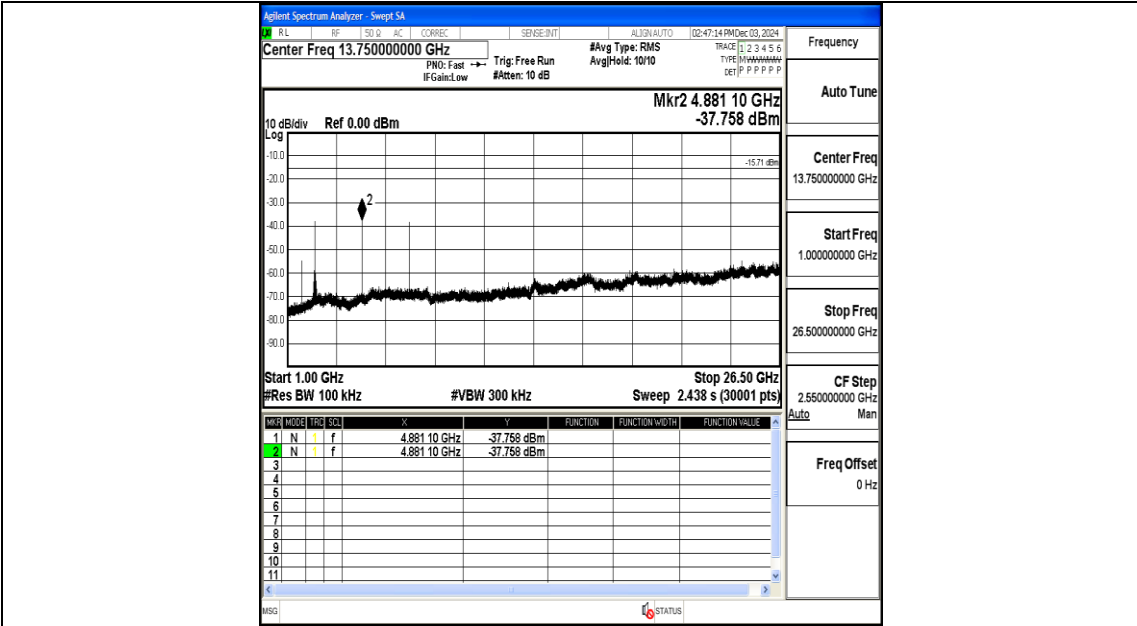
SRD-Ant1-2405-1000~26500-PASS



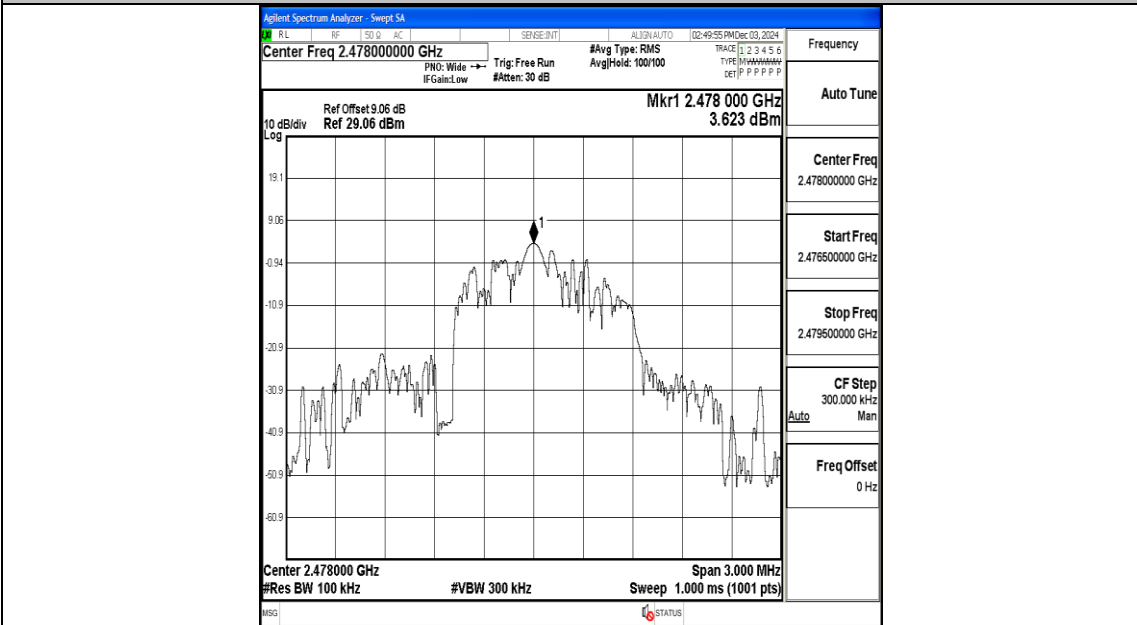
SRD-Ant1-2441-0~Reference-PASS



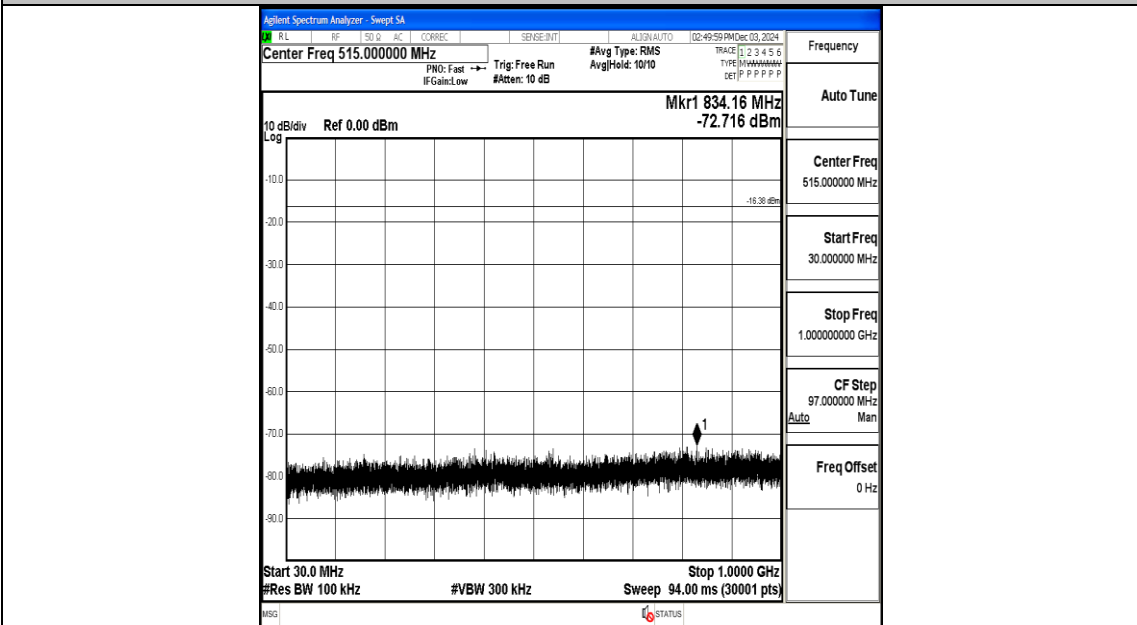
SRD-Ant1-2441-30~1000-PASS



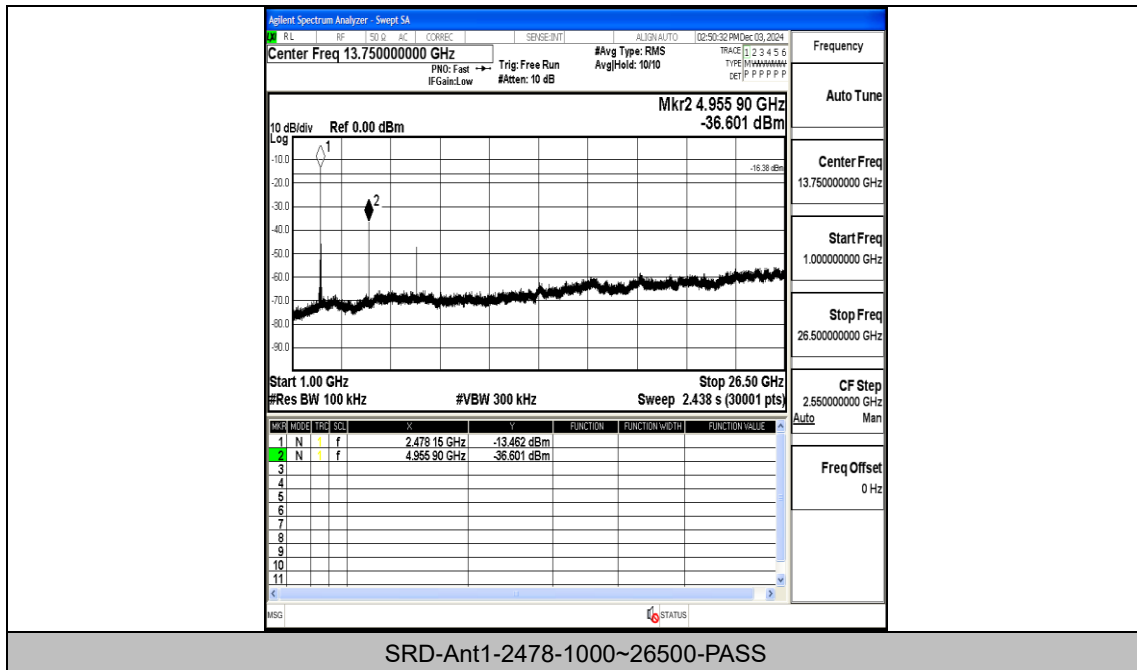
SRD-Ant1-2441-1000~26500-PASS



SRD-Ant1-2478-0~Reference-PASS



SRD-Ant1-2478-30~1000-PASS

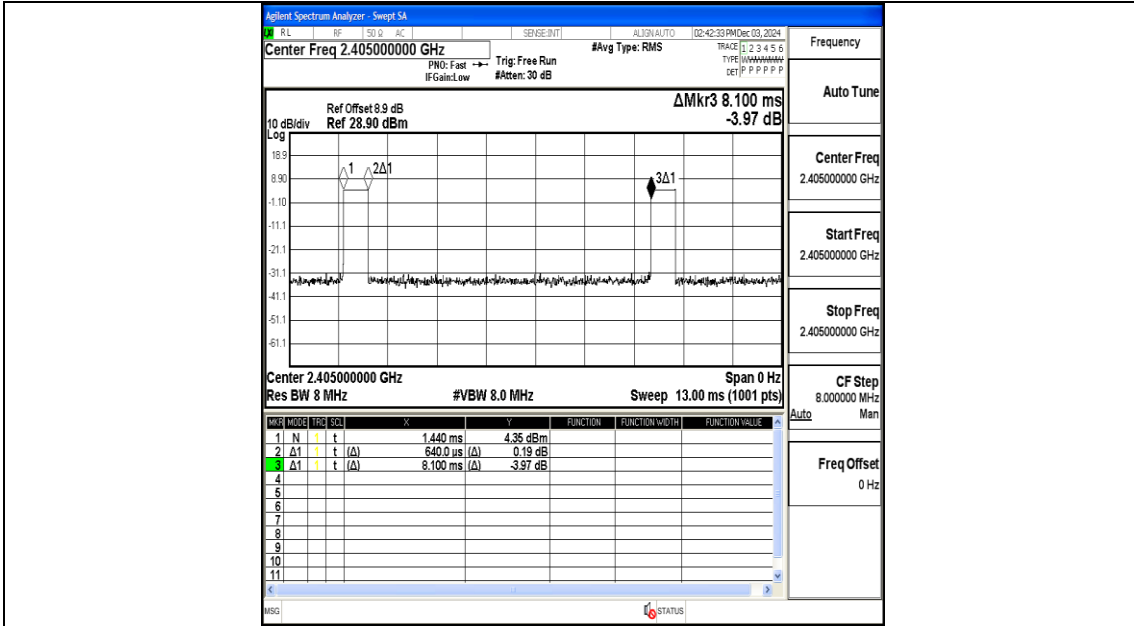


Appendix G: Duty Cycle

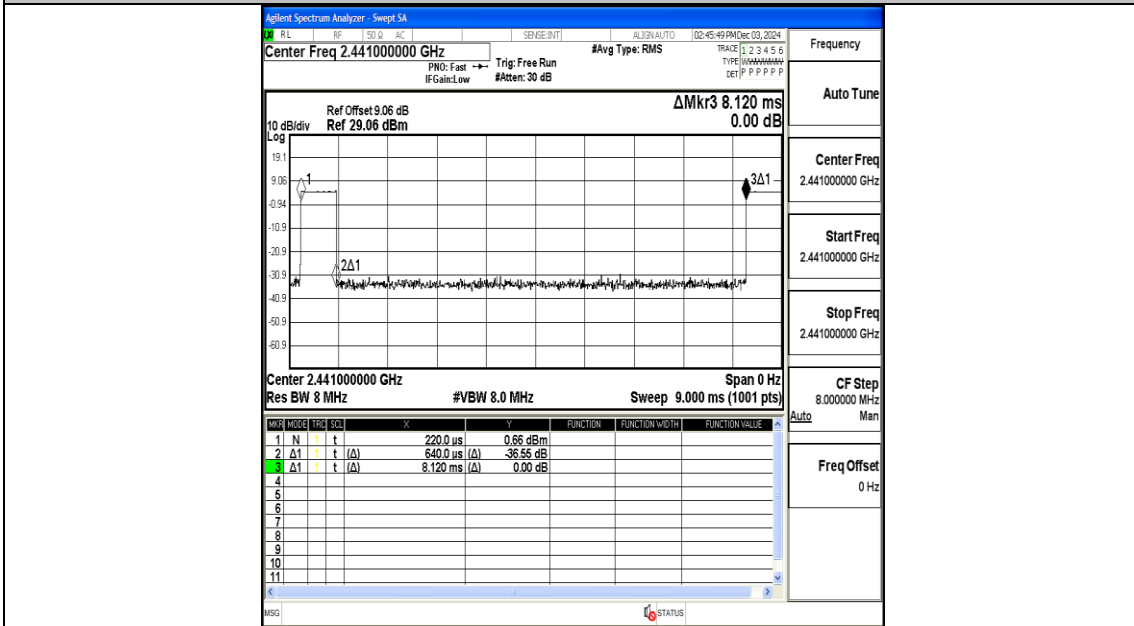
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2405	0.64	8.10	7.90	11.02
SRD	Ant1	2441	0.64	8.12	7.88	11.03
SRD	Ant1	2478	0.64	8.12	7.88	11.03

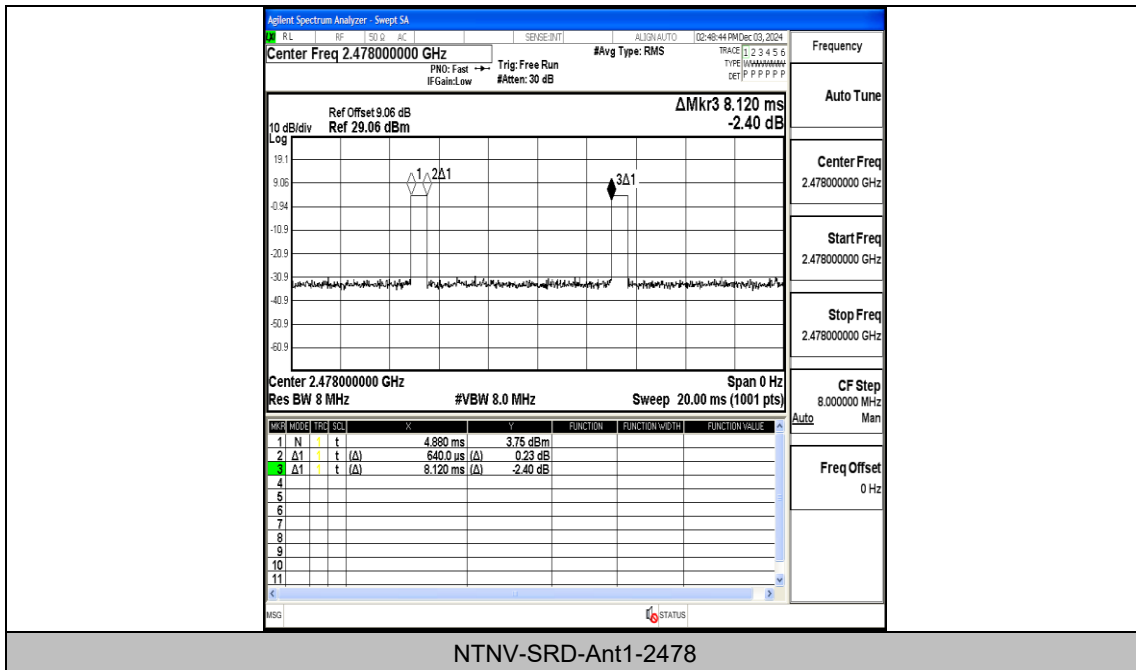
Test Graphs



NTNV-SRD-Ant1-2405



NTNV-SRD-Ant1-2441



NTNV-SRD-Ant1-2478