

Appendix Test Data for SRD (Conducted Measurement)

Product Name: RC Helicopter

Trade Mark: /

Test Model: S9

FCC ID: QV7-GC88752-105

Environmental Conditions

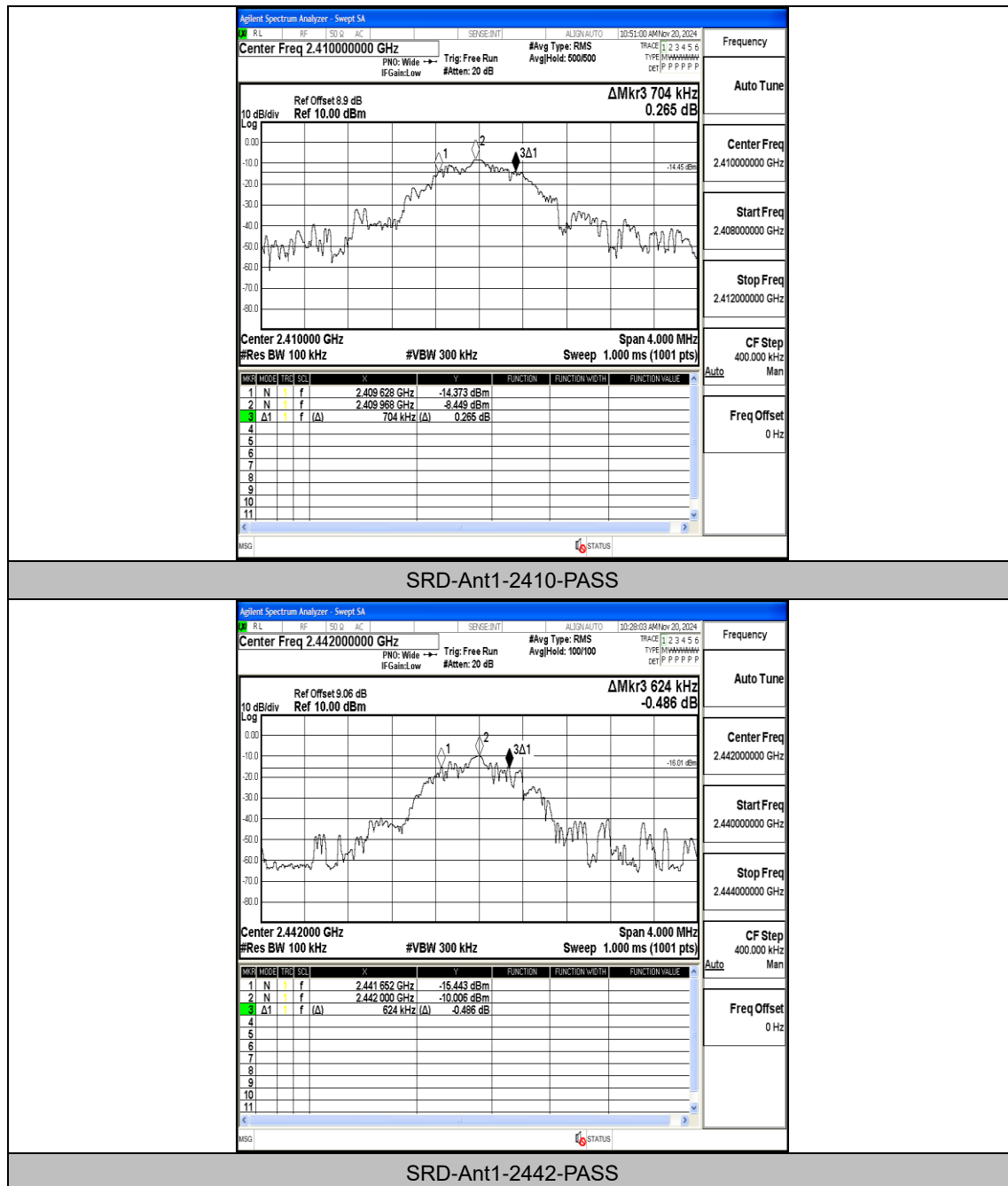
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

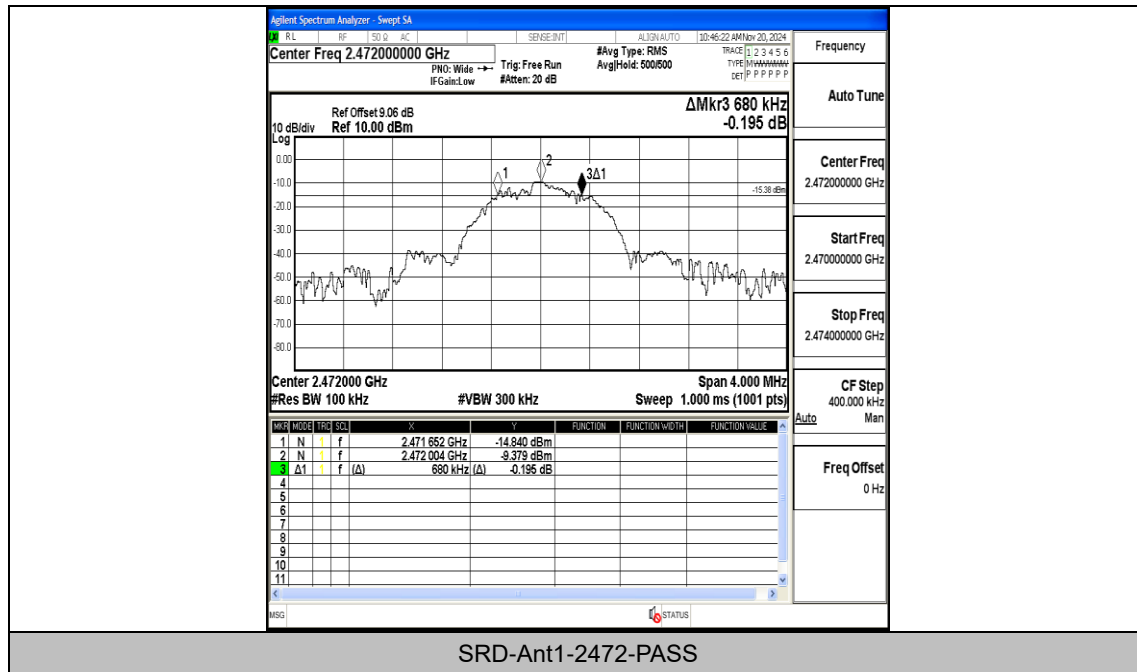
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	0.704	2409.628	2410.332	0.5	PASS
SRD	Ant1	2442	0.624	2441.652	2442.276	0.5	PASS
SRD	Ant1	2472	0.680	2471.652	2472.332	0.5	PASS

Test Graphs



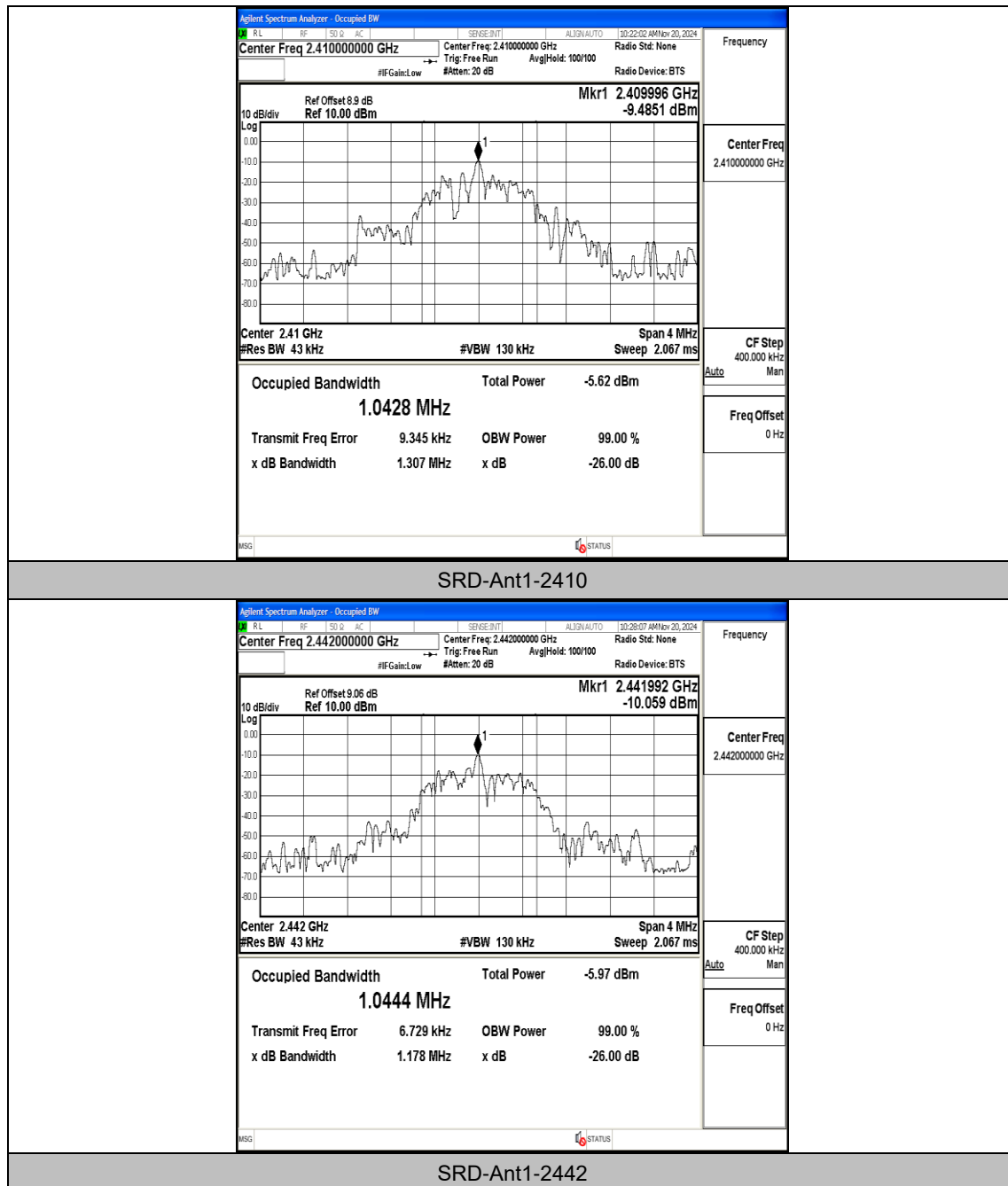


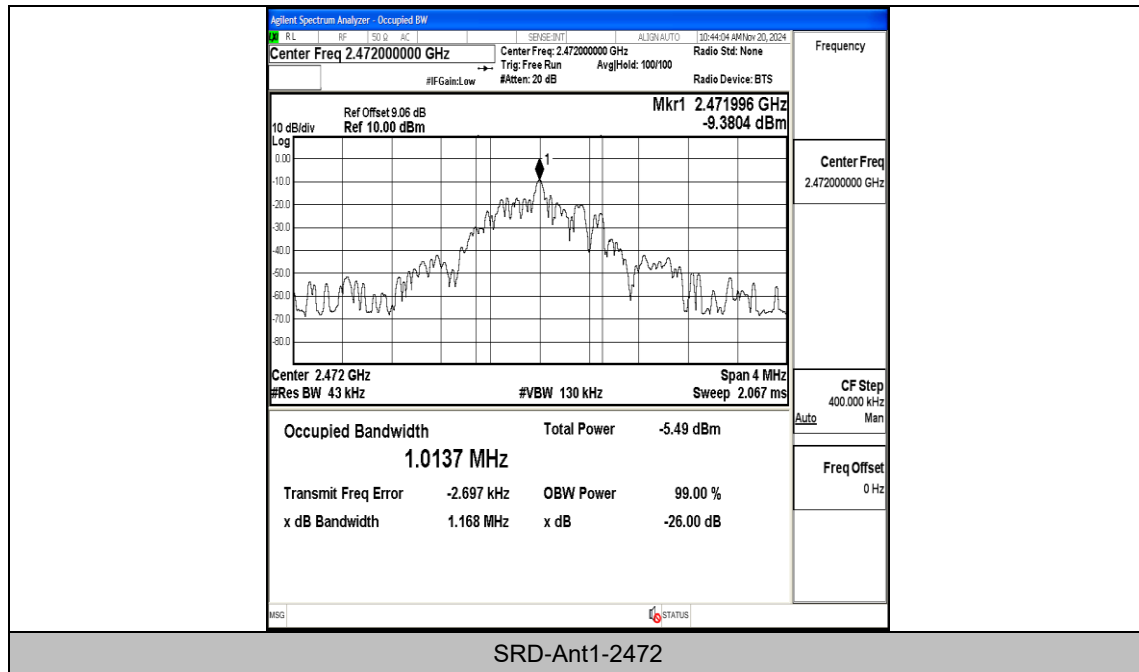
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2410	1.0428	2409.4880	2410.5308	---	---
SRD	Ant1	2442	1.0444	2441.4845	2442.5289	---	---
SRD	Ant1	2472	1.0137	2471.4905	2472.5042	---	---

Test Graphs



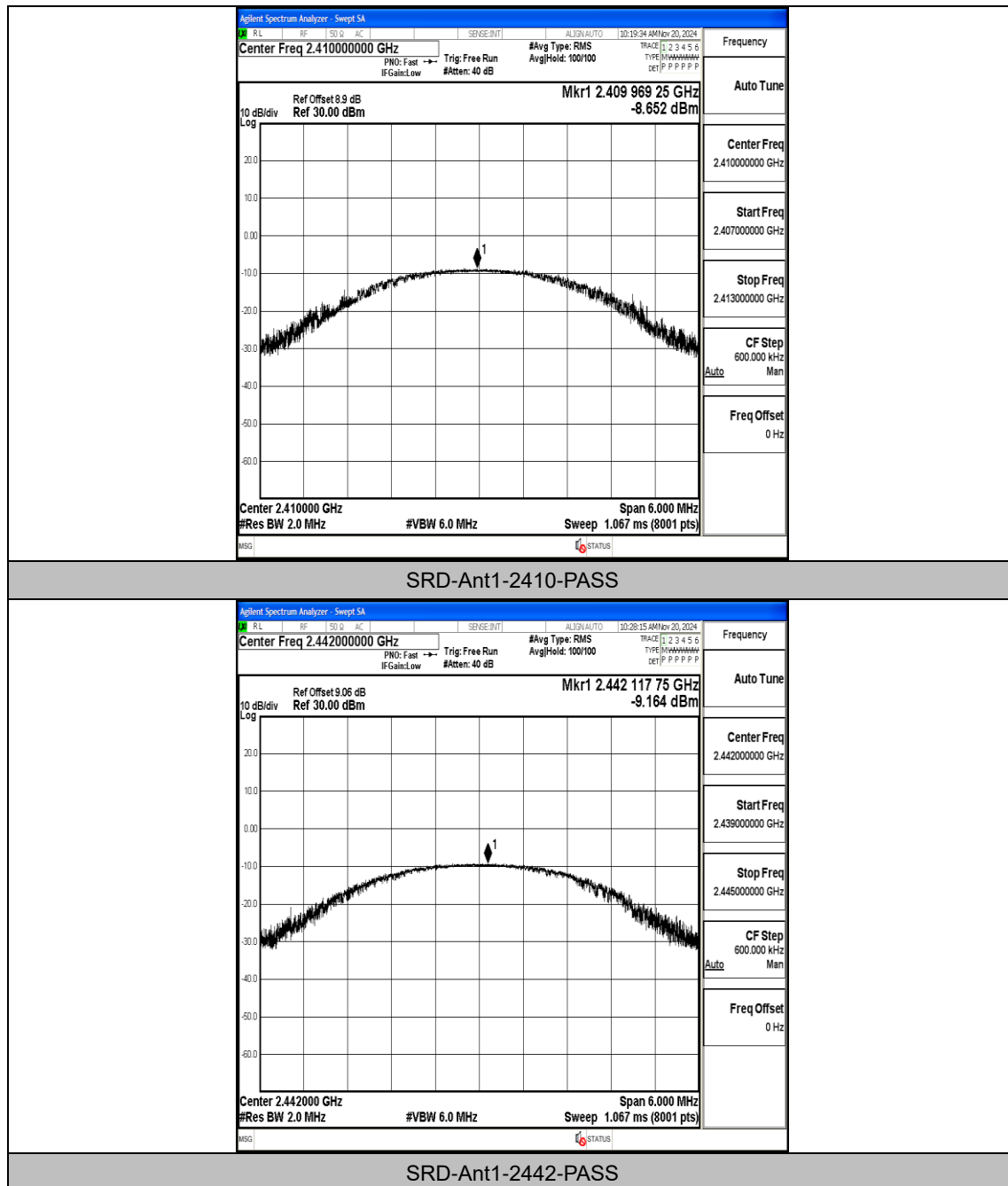


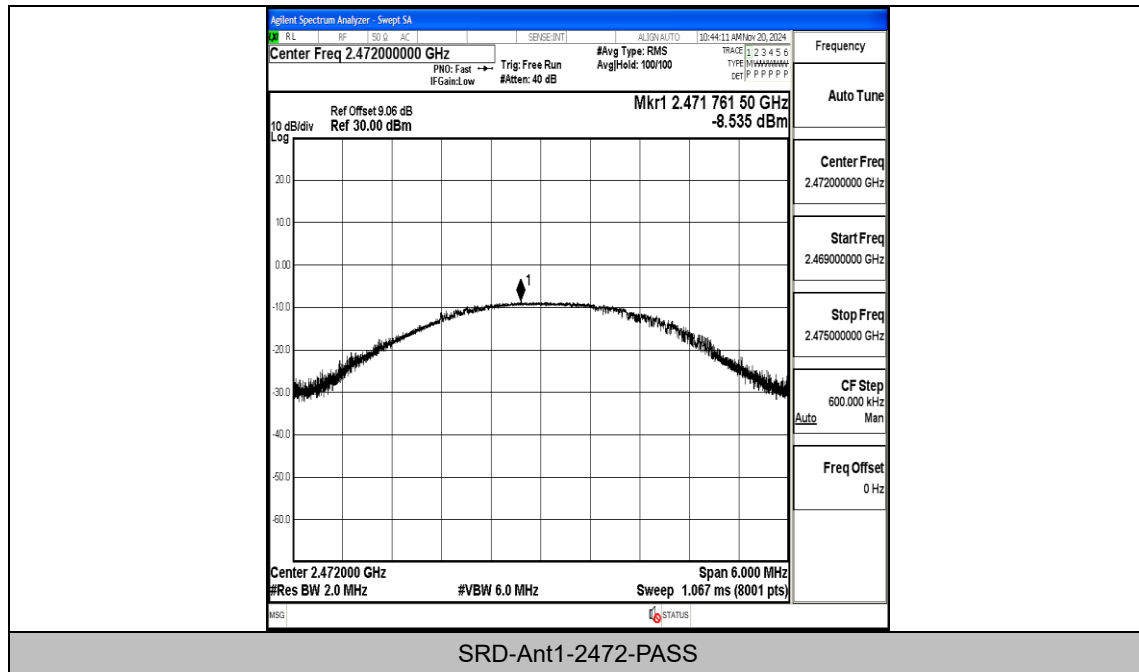
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2410	-8.65	≤30	PASS
SRD	Ant1	2442	-9.16	≤30	PASS
SRD	Ant1	2472	-8.54	≤30	PASS

Test Graphs Peak



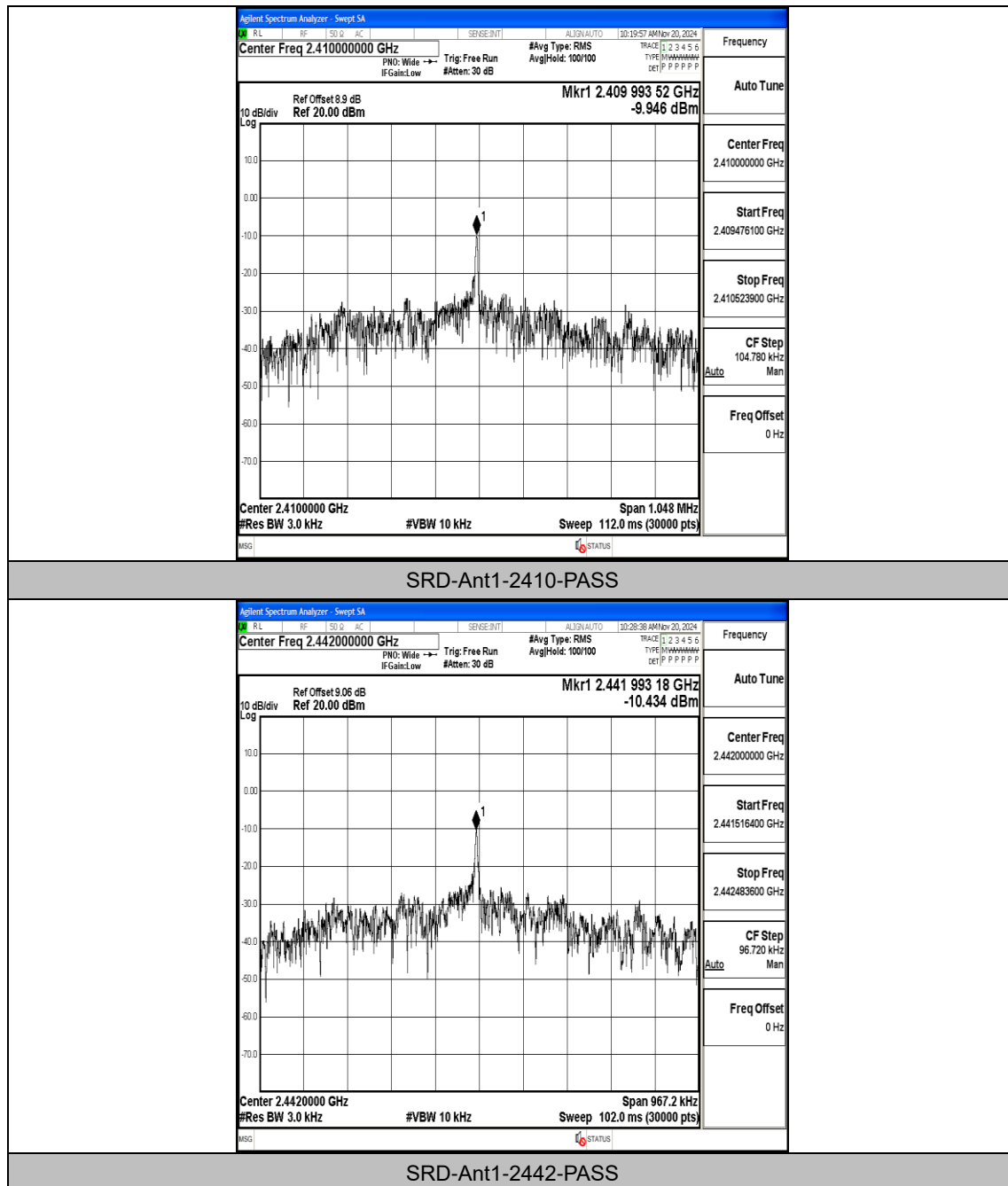


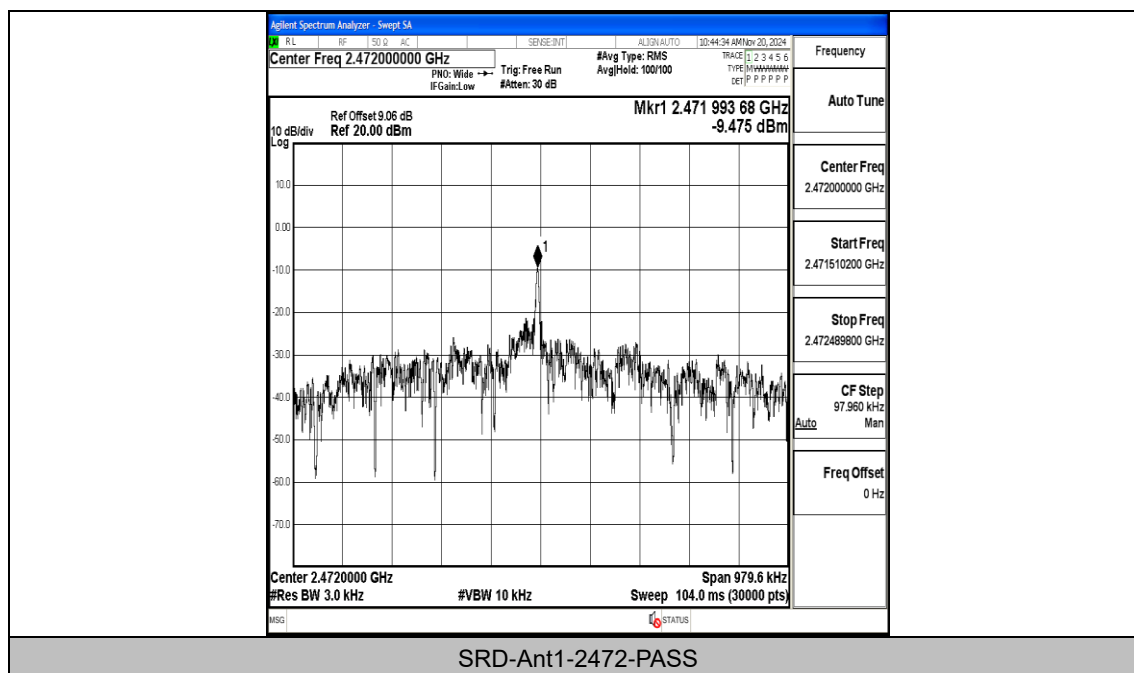
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2410	-9.95	≤8.00	PASS
SRD	Ant1	2442	-10.43	≤8.00	PASS
SRD	Ant1	2472	-9.48	≤8.00	PASS

Test Graphs



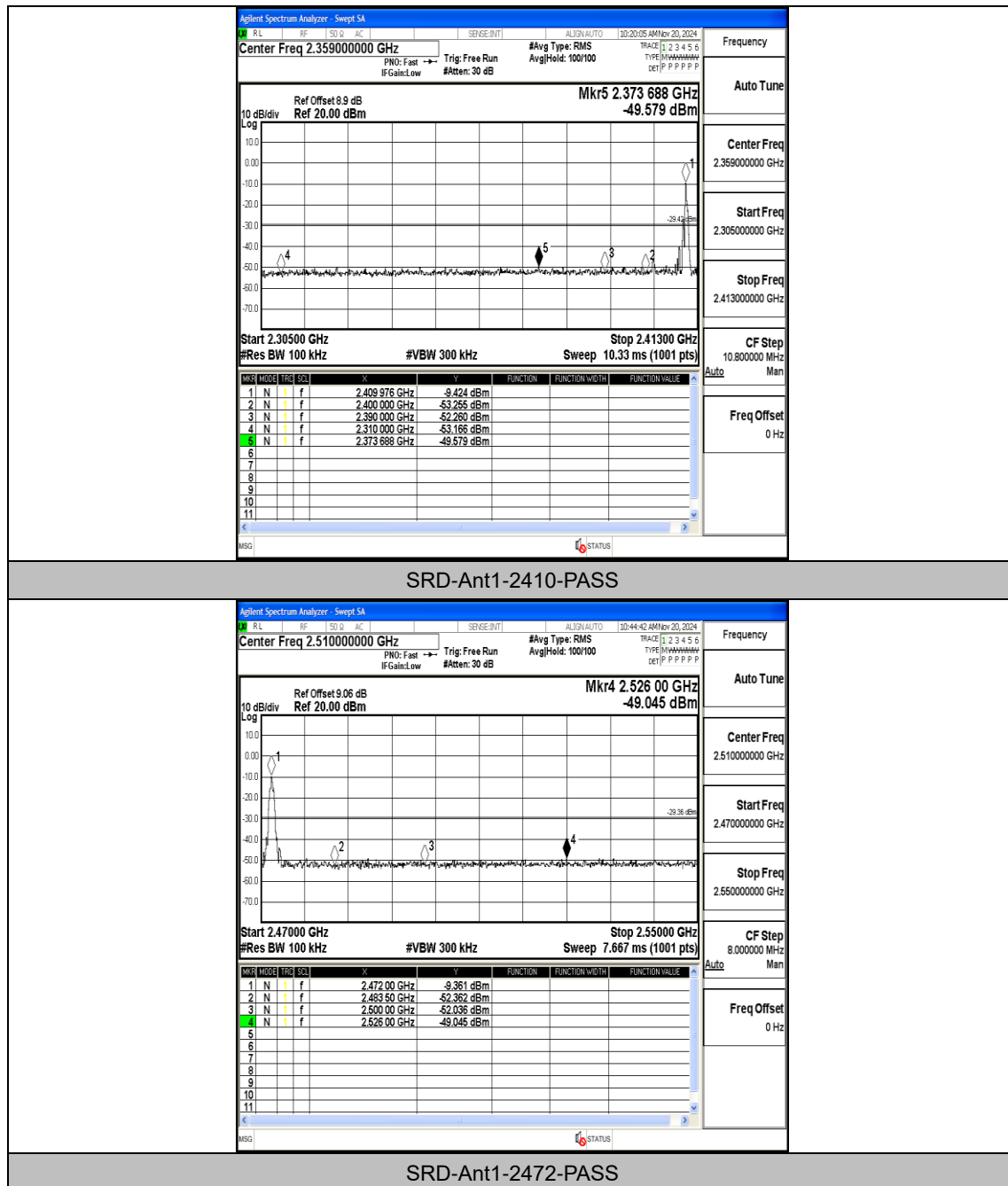


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2410	-9.42	-49.58	≤ -29.42	PASS
SRD	Ant1	High	2472	-9.36	-49.05	≤ -29.36	PASS

Test Graphs

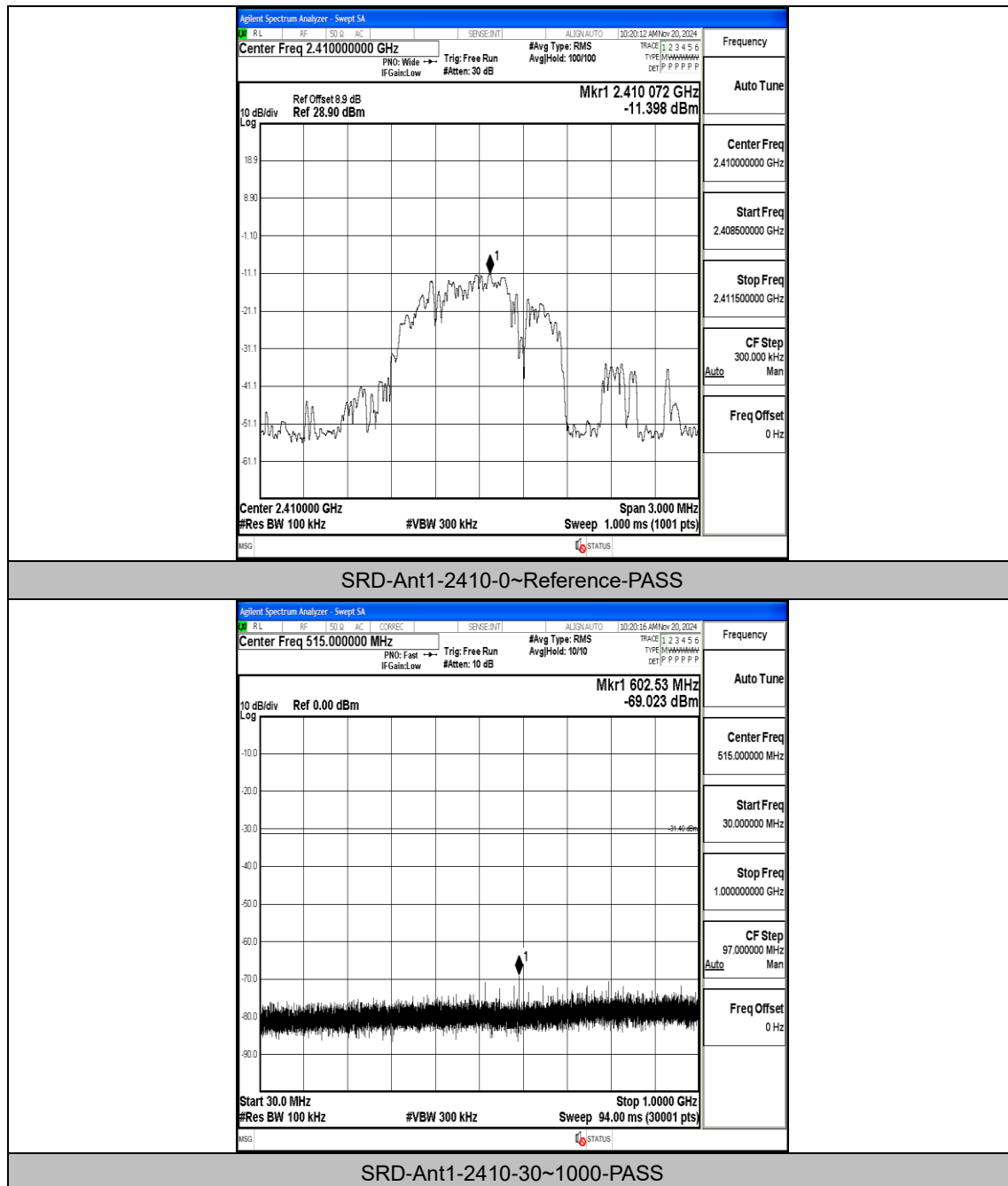


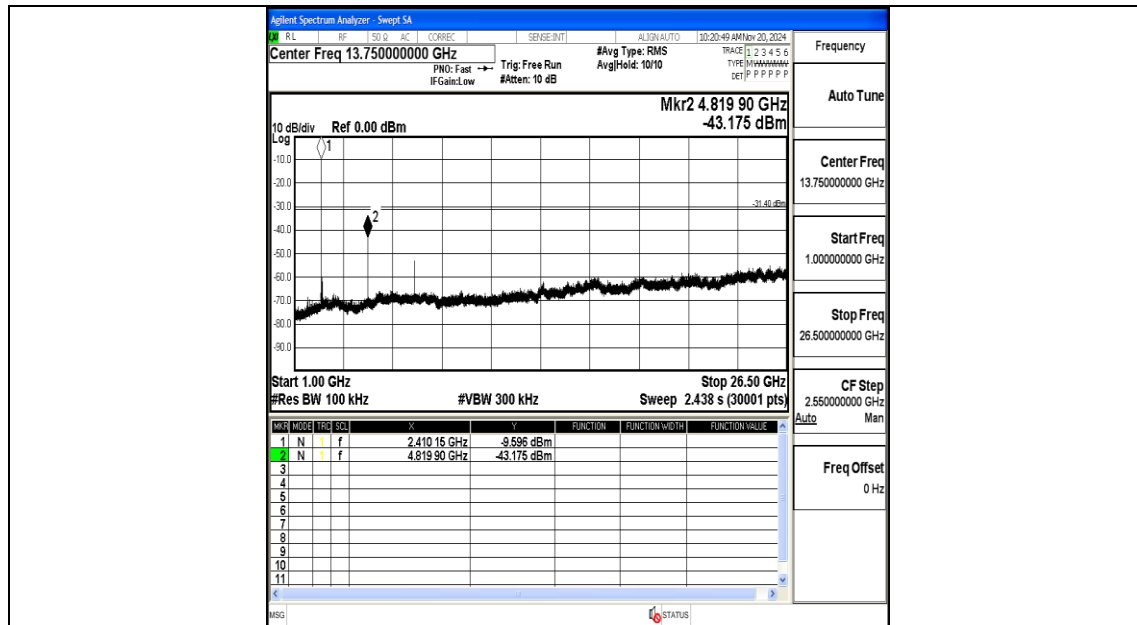
Appendix F: Conducted Spurious Emission

Test Result

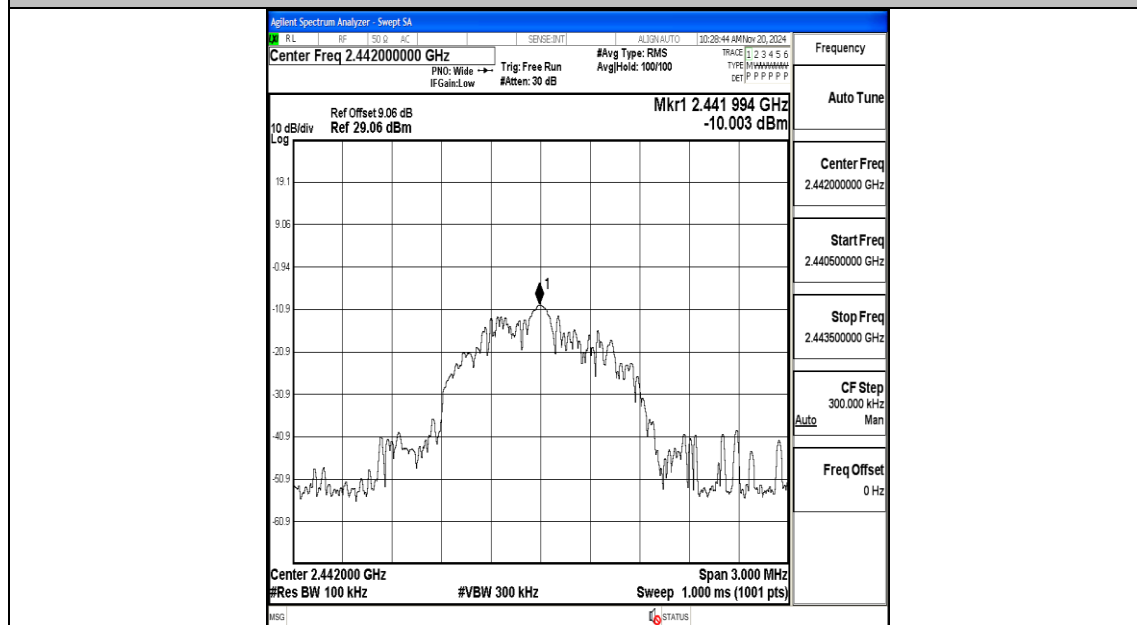
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2410	0~Reference	-11.40	-11.40	---	PASS
SRD	Ant1	2410	30~1000	-11.40	-69.02	≤ -31.4	PASS
SRD	Ant1	2410	1000~26500	-11.40	-43.18	≤ -31.4	PASS
SRD	Ant1	2442	0~Reference	-10.00	-10.00	---	PASS
SRD	Ant1	2442	30~1000	-10.00	-69.41	≤ -30	PASS
SRD	Ant1	2442	1000~26500	-10.00	-50.05	≤ -30	PASS
SRD	Ant1	2472	0~Reference	-9.19	-9.19	---	PASS
SRD	Ant1	2472	30~1000	-9.19	-71.26	≤ -29.19	PASS
SRD	Ant1	2472	1000~26500	-9.19	-55.45	≤ -29.19	PASS

Test Graphs

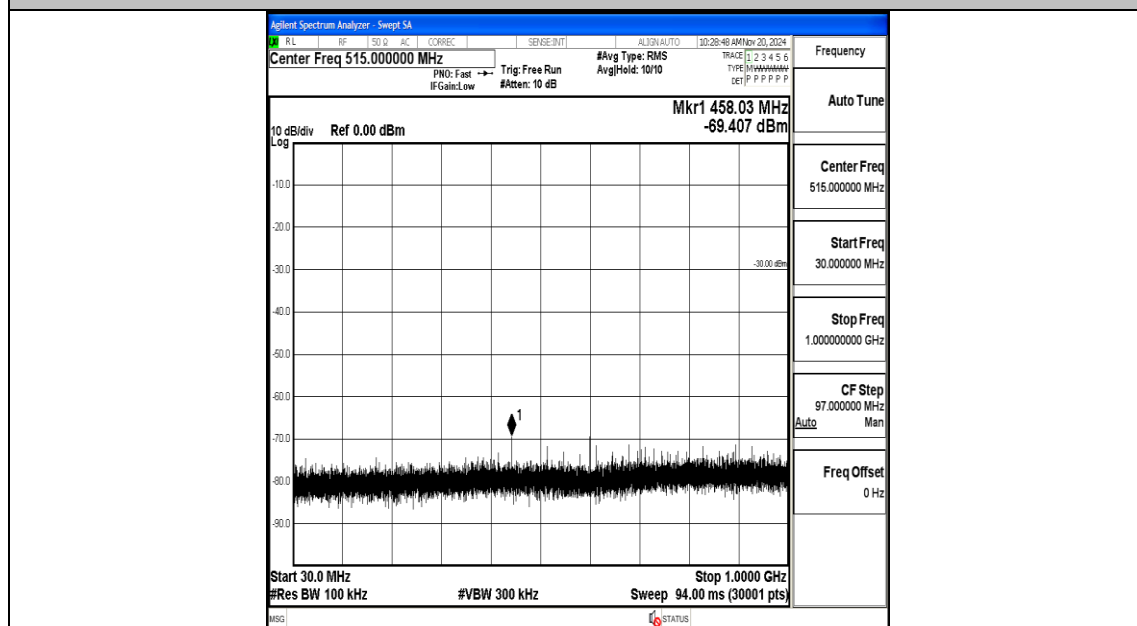




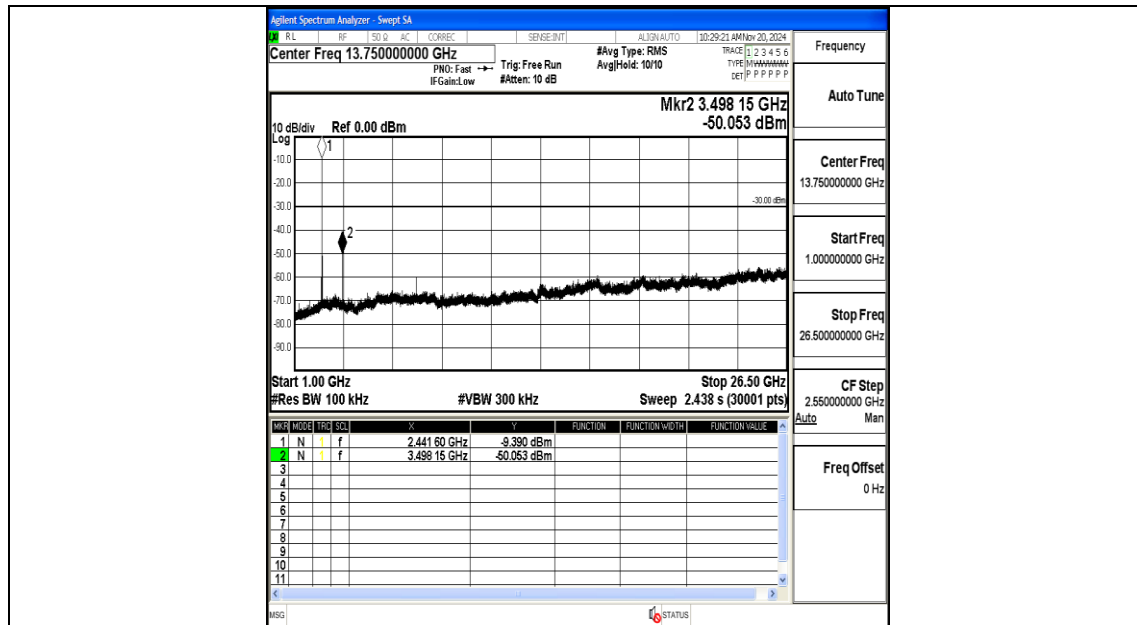
SRD-Ant1-2410-1000~26500-PASS



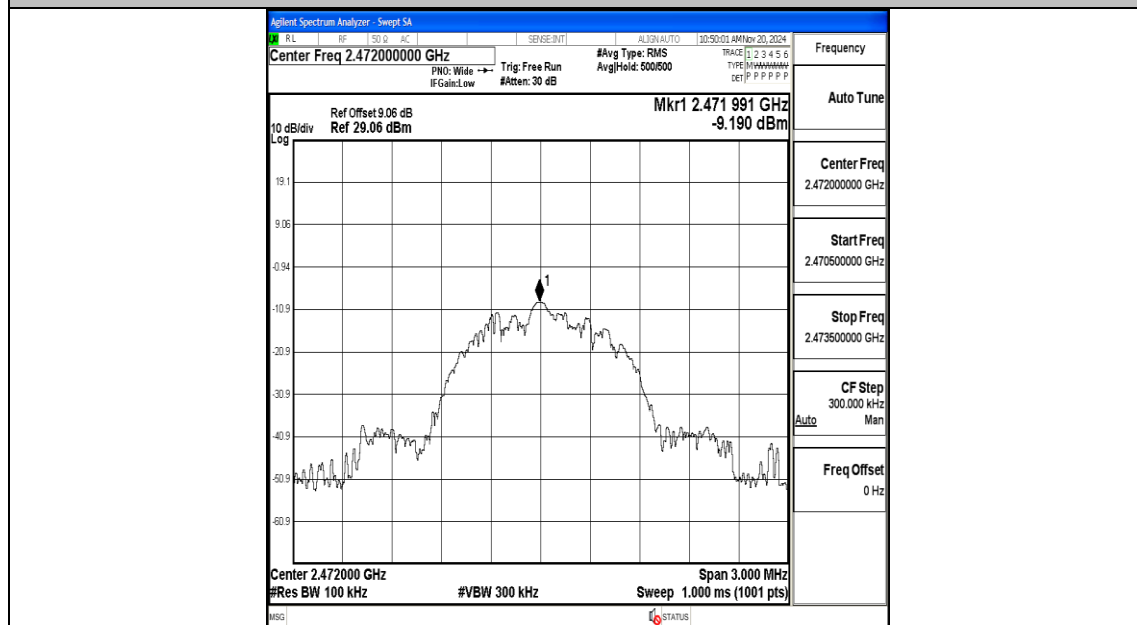
SRD-Ant1-2442-0~Reference-PASS



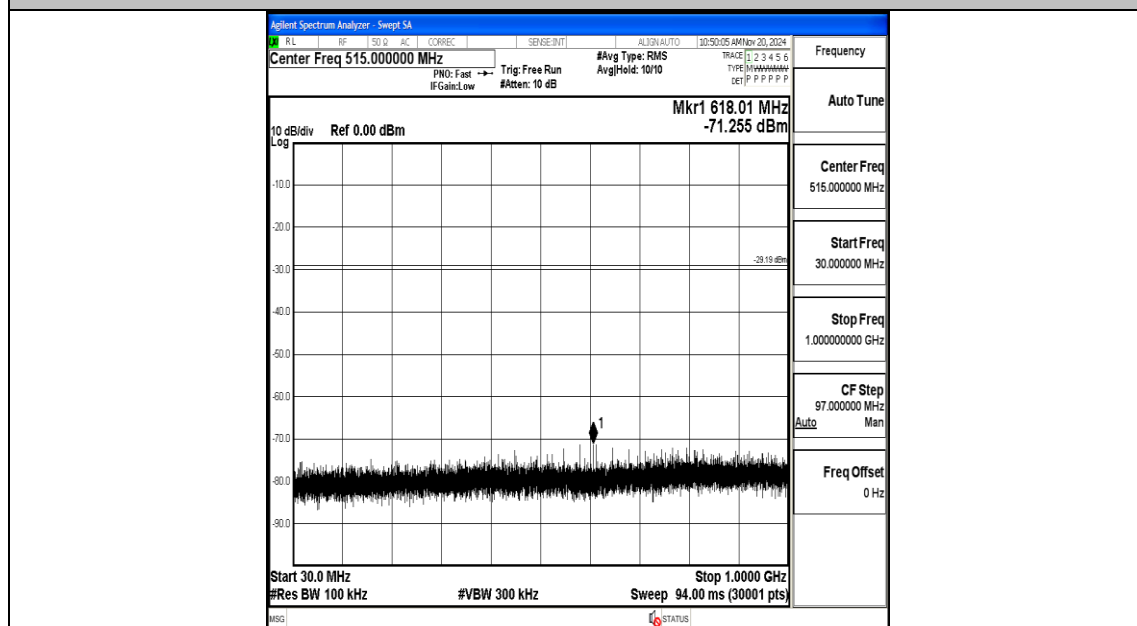
SRD-Ant1-2442-30~1000-PASS



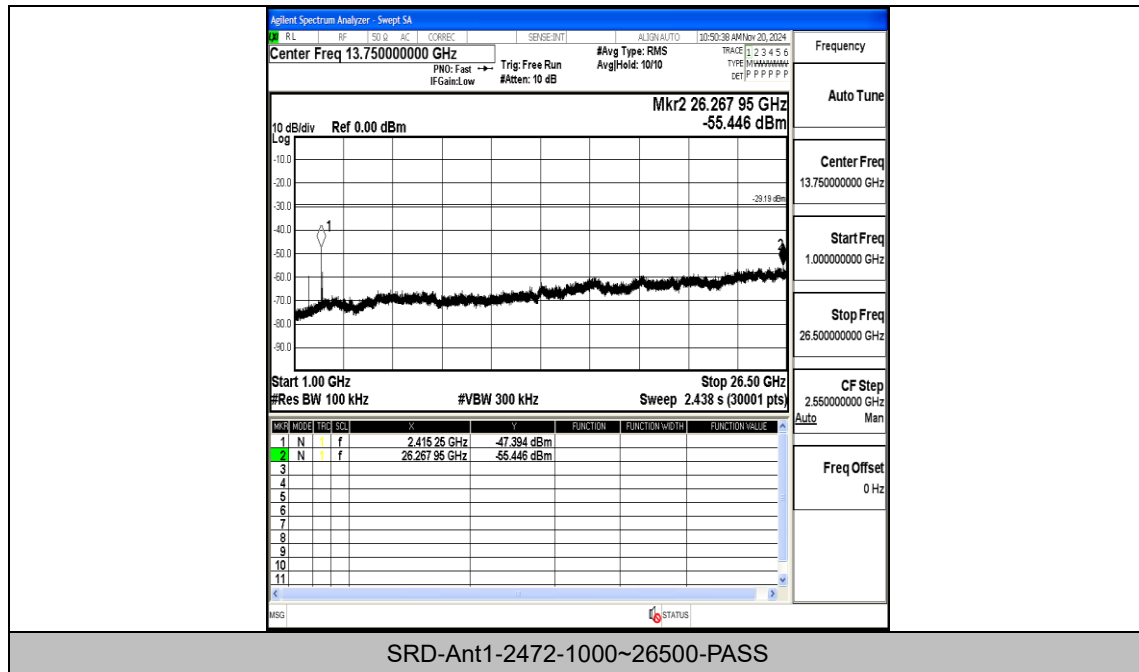
SRD-Ant1-2442-1000~26500-PASS



SRD-Ant1-2472-0~Reference-PASS



SRD-Ant1-2472-30~1000-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	2410	0.75	12.48	6.01	12.21
SRD	Ant1	2442	0.75	12.49	6.00	12.22
SRD	Ant1	2472	0.75	12.48	6.01	12.21

Test Graphs

