

Appendix Test Data for SRD (Conducted Measurement)

Product Name: Remote Control Car

Trade Mark: /

Test Model: 557-1

FCC ID: 2AY7W557

Environmental Conditions

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

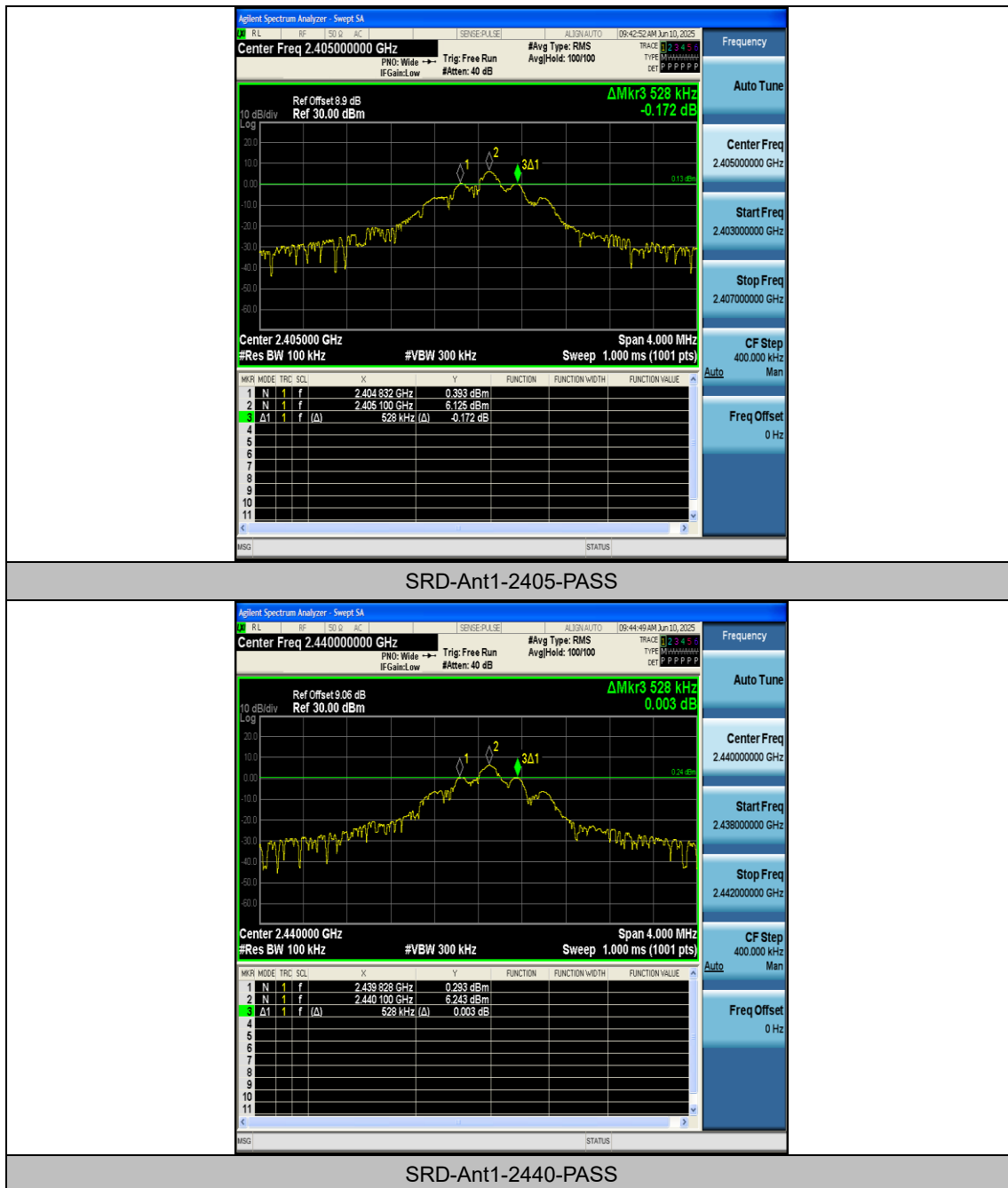
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	0.528	2404.832	2405.360	0.5	PASS
SRD	Ant1	2440	0.528	2439.828	2440.356	0.5	PASS
SRD	Ant1	2475	0.532	2474.828	2475.360	0.5	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





SRD-Ant1-2475-PASS

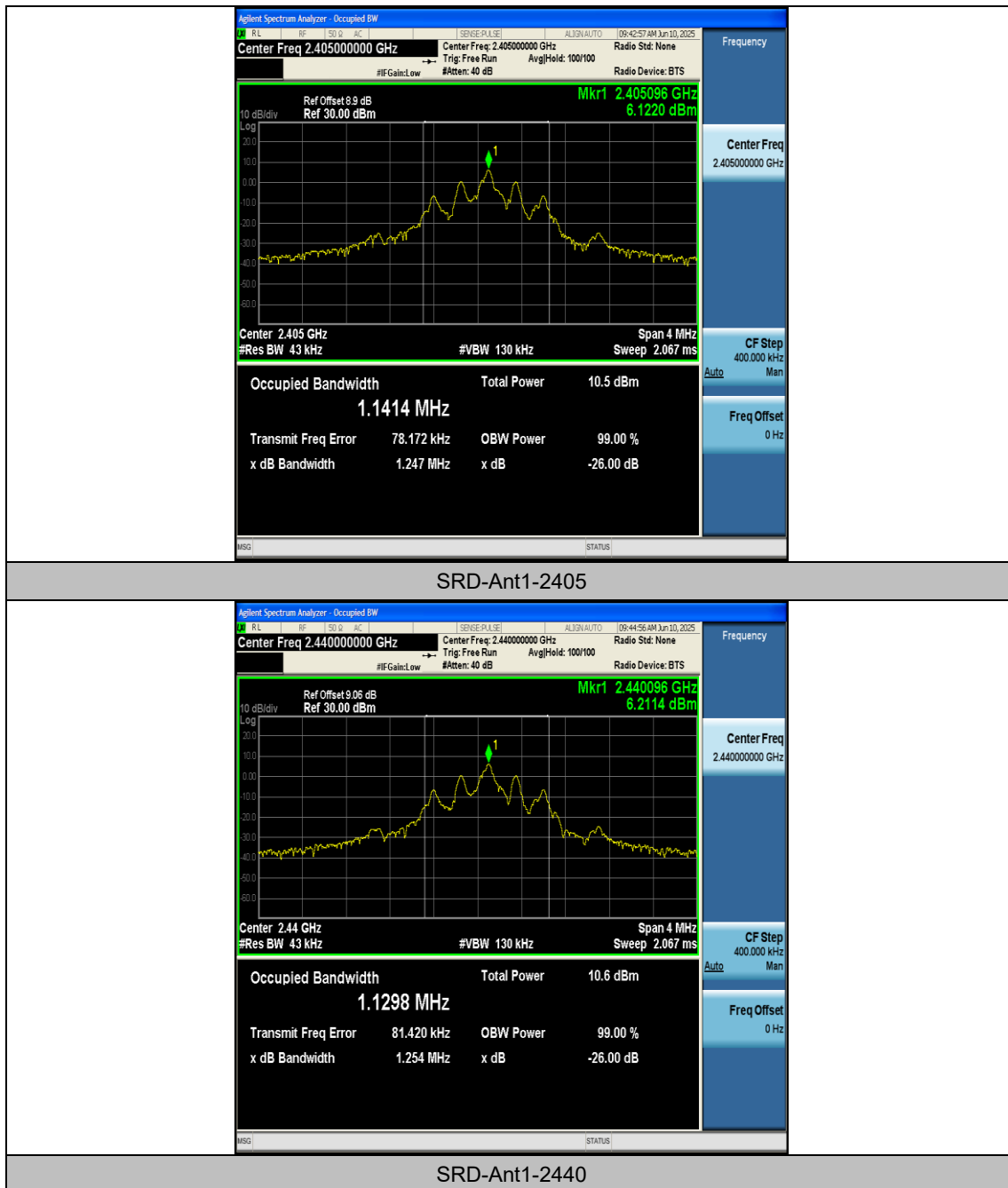
Appendix B: Occupied Channel Bandwidth

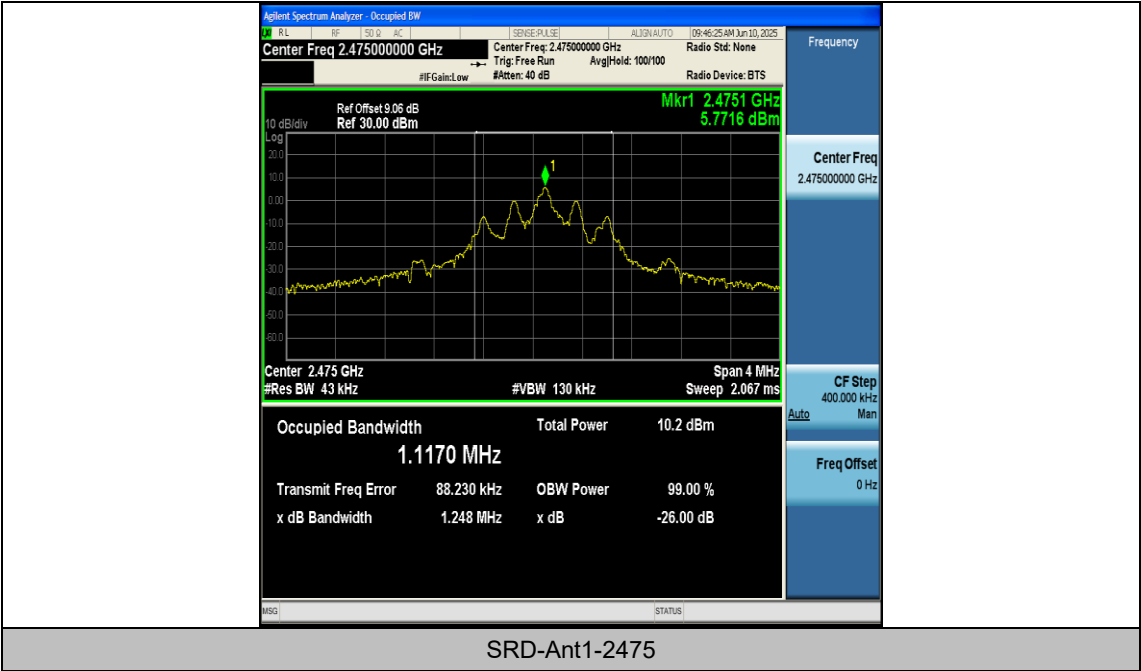
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	1.1414	2404.5075	2405.6489	---	---
SRD	Ant1	2440	1.1298	2439.5165	2440.6463	---	---
SRD	Ant1	2475	1.1170	2474.5297	2475.6467	---	---

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





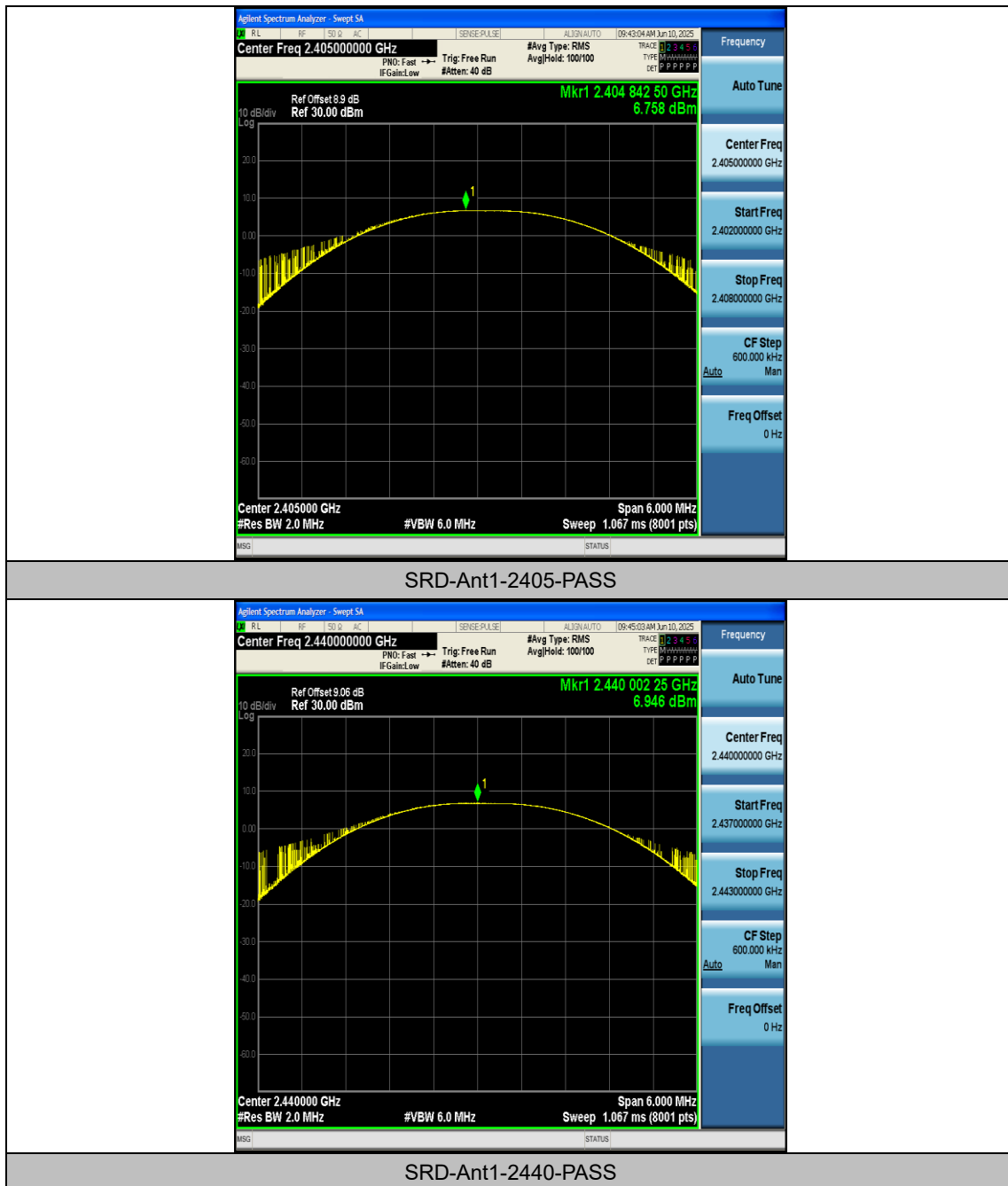
Appendix C: Maximum peak conducted output power

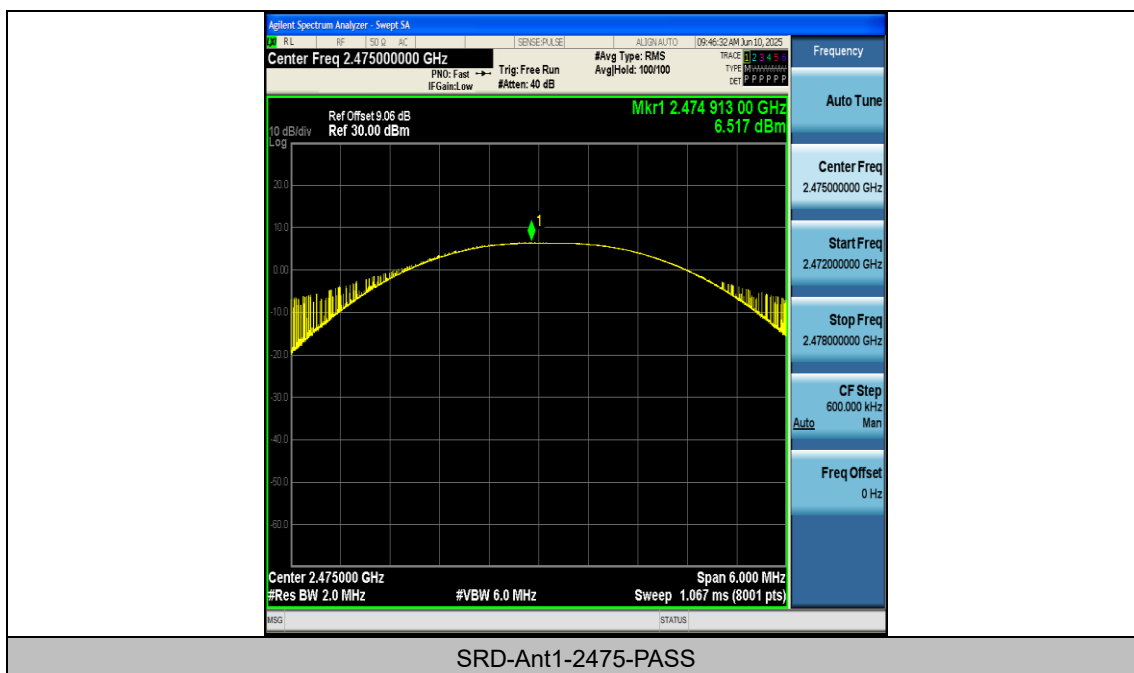
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2405	6.76	≤30	PASS
SRD	Ant1	2440	6.95	≤30	PASS
SRD	Ant1	2475	6.52	≤30	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs Peak





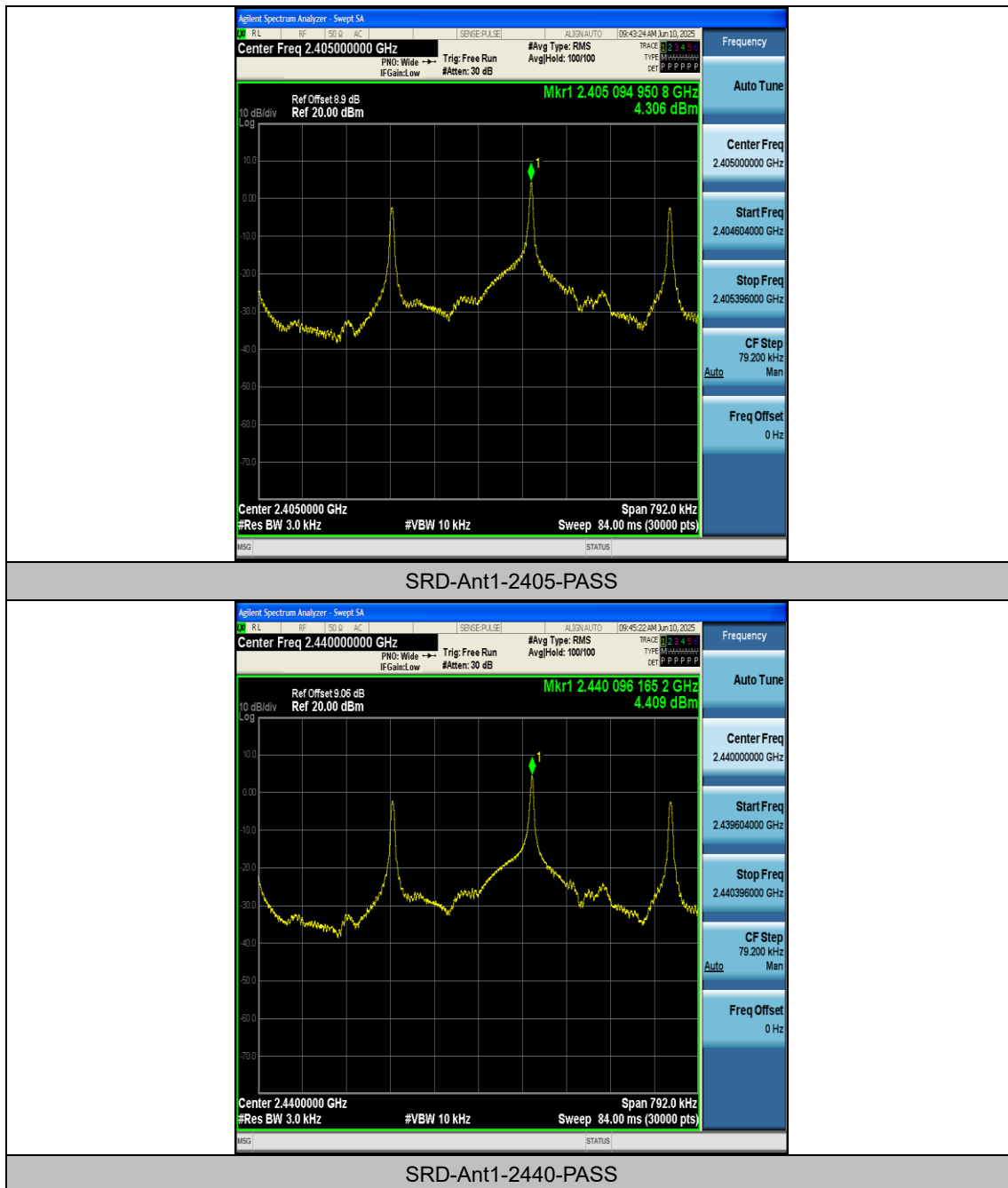
Appendix D: Maximum peak power spectral density

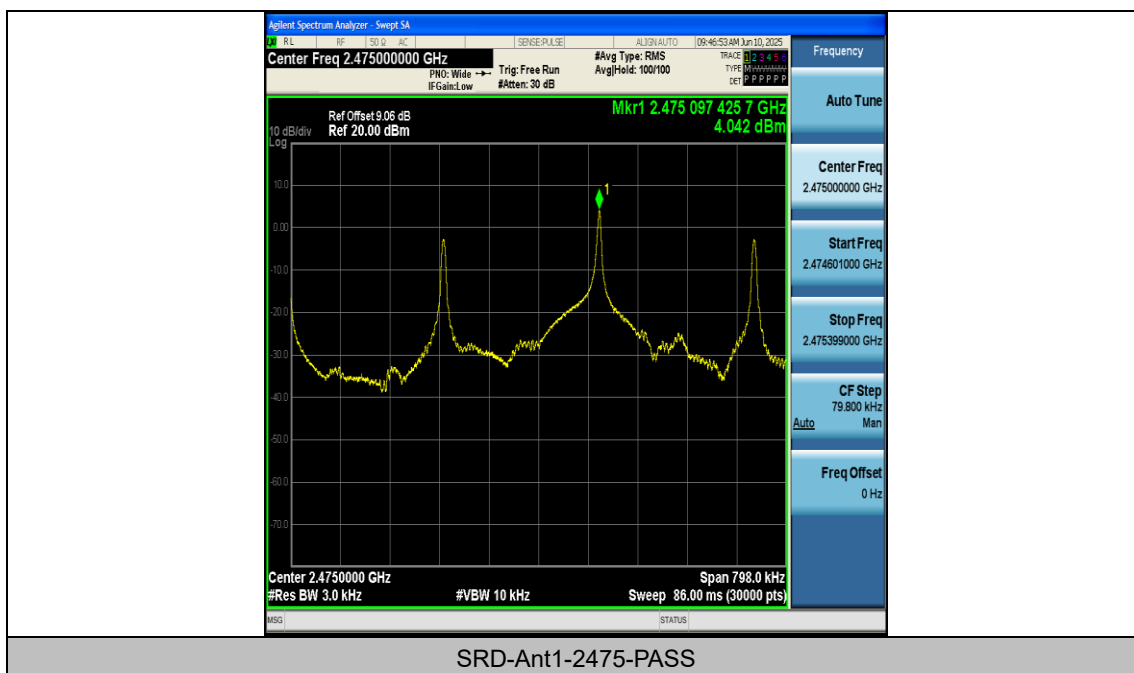
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2405	4.31	≤8.00	PASS
SRD	Ant1	2440	4.41	≤8.00	PASS
SRD	Ant1	2475	4.04	≤8.00	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





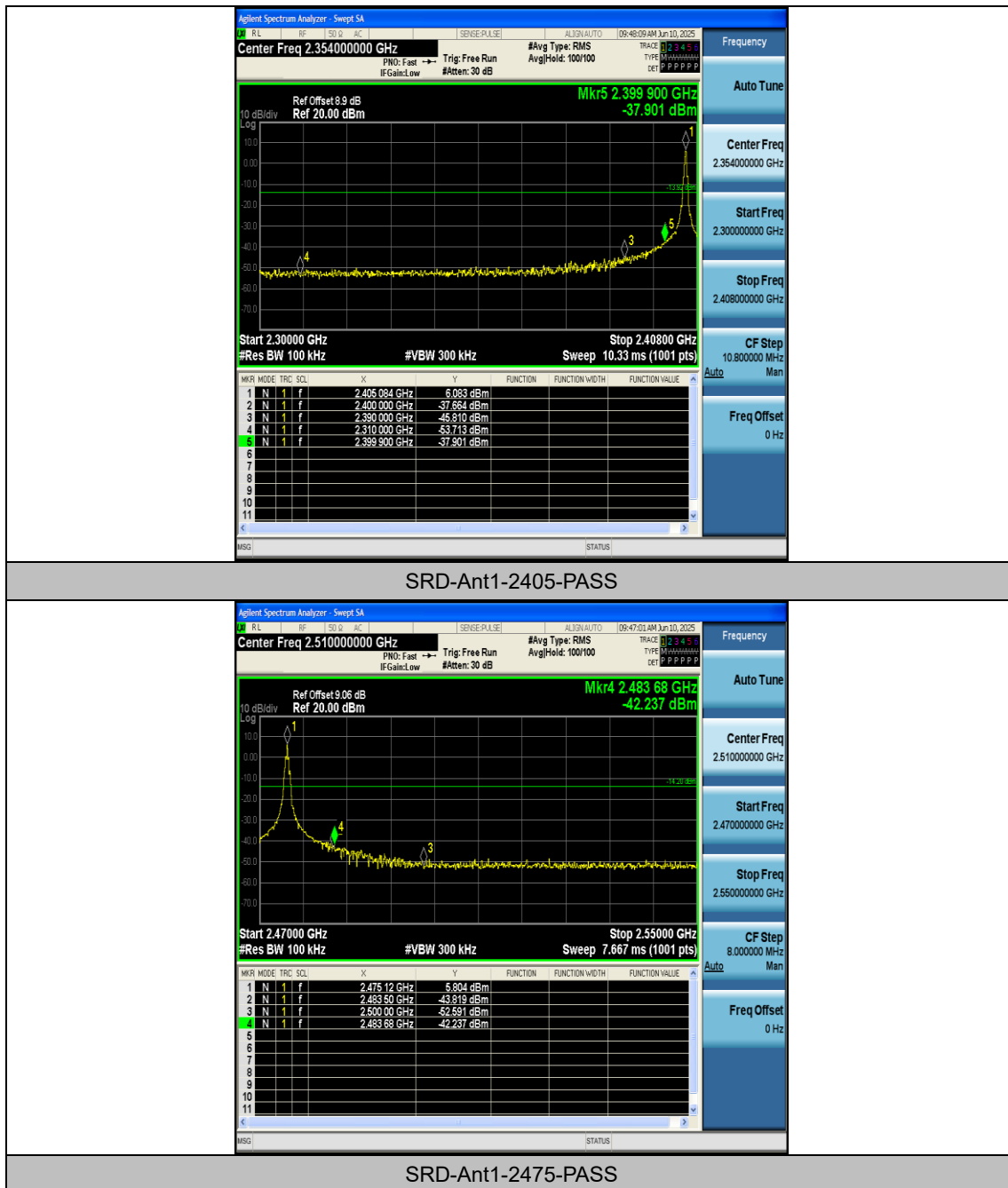
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2405	6.08	-37.9	≤-13.92	PASS
SRD	Ant1	High	2475	5.80	-42.24	≤-14.2	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs



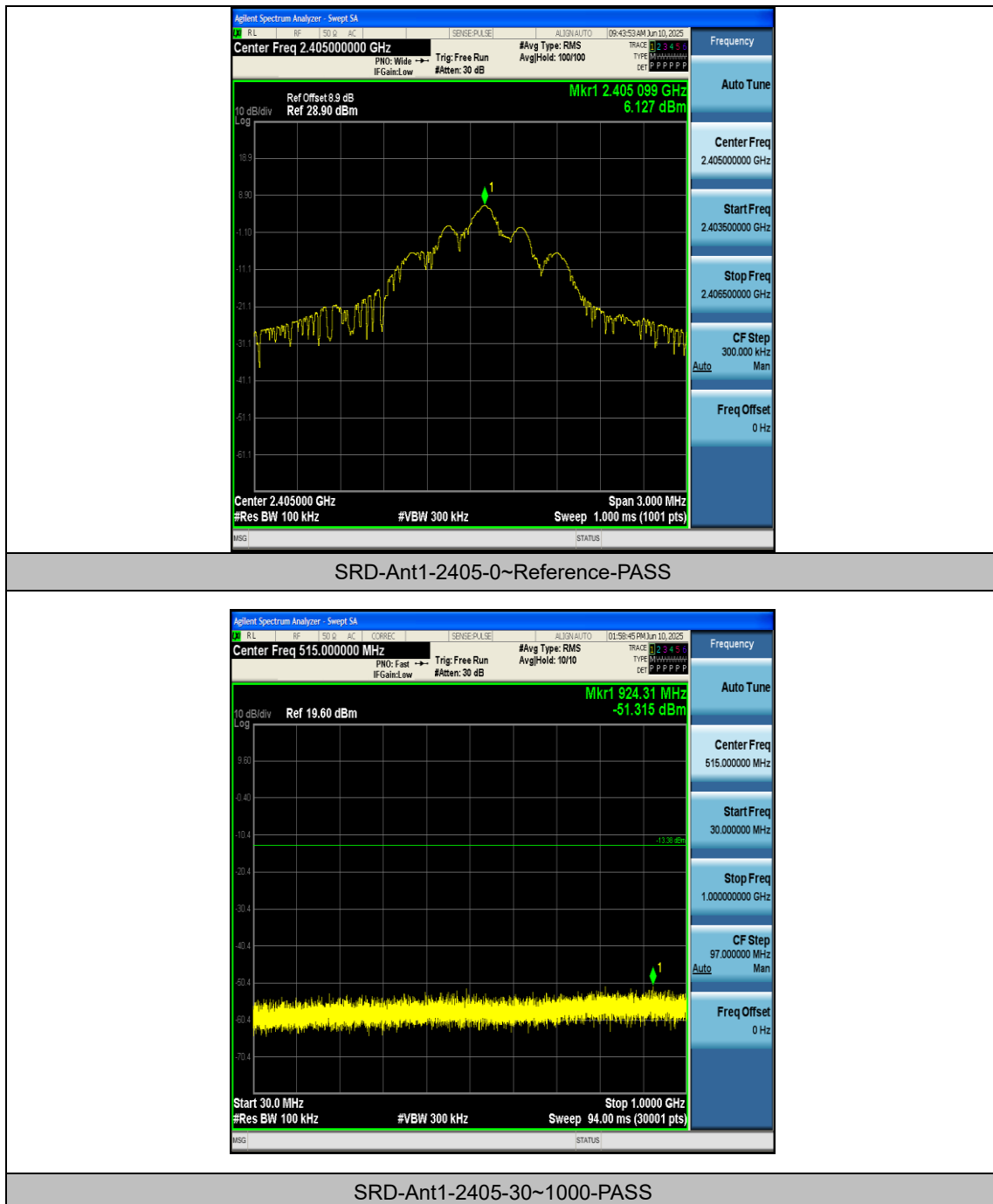
Appendix F: Conducted Spurious Emission

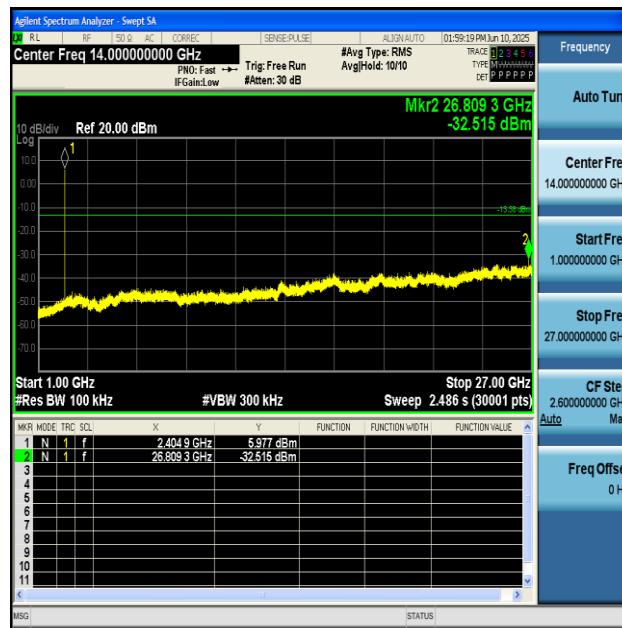
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2405	0~Reference	6.13	6.13	---	PASS
SRD	Ant1	2405	30~1000	6.13	-51.32	≤-13.87	PASS
SRD	Ant1	2405	1000~27000	6.13	-32.52	≤-13.87	PASS
SRD	Ant1	2440	0~Reference	6.20	6.20	---	PASS
SRD	Ant1	2440	30~1000	6.20	-51.71	≤-13.8	PASS
SRD	Ant1	2440	1000~27000	6.20	-33.91	≤-13.8	PASS
SRD	Ant1	2475	0~Reference	5.81	5.81	---	PASS
SRD	Ant1	2475	30~1000	5.81	-51.63	≤-14.19	PASS
SRD	Ant1	2475	1000~27000	5.81	-34.20	≤-14.19	PASS

Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

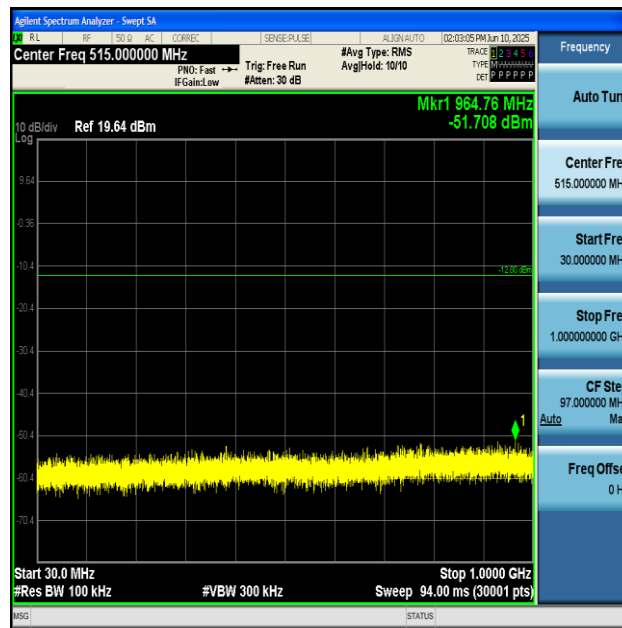




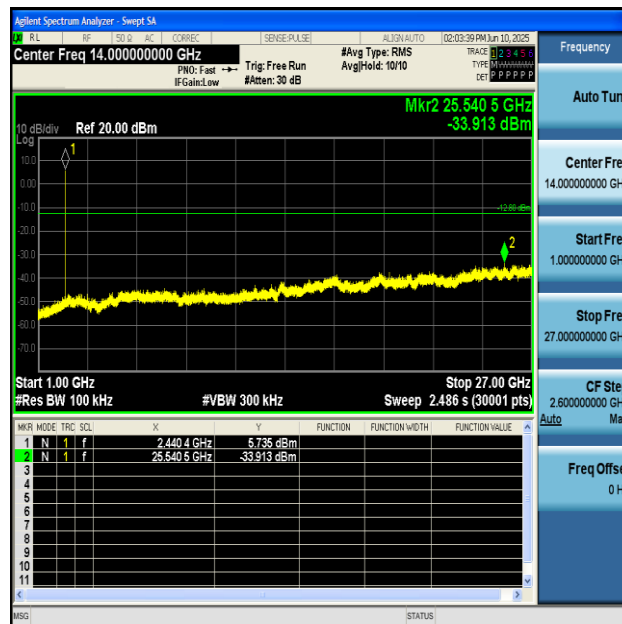
SRD-Ant1-2405-1000~27000-PASS



SRD-Ant1-2440-0~Reference-PASS



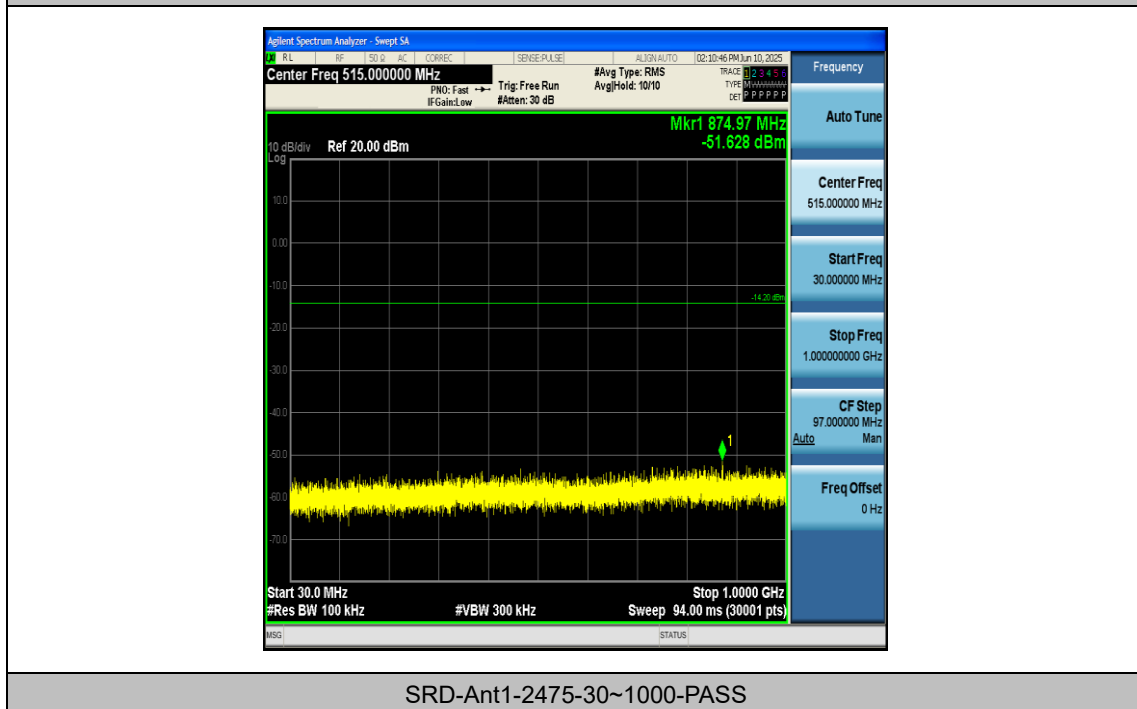
SRD-Ant1-2440-30~1000-PASS



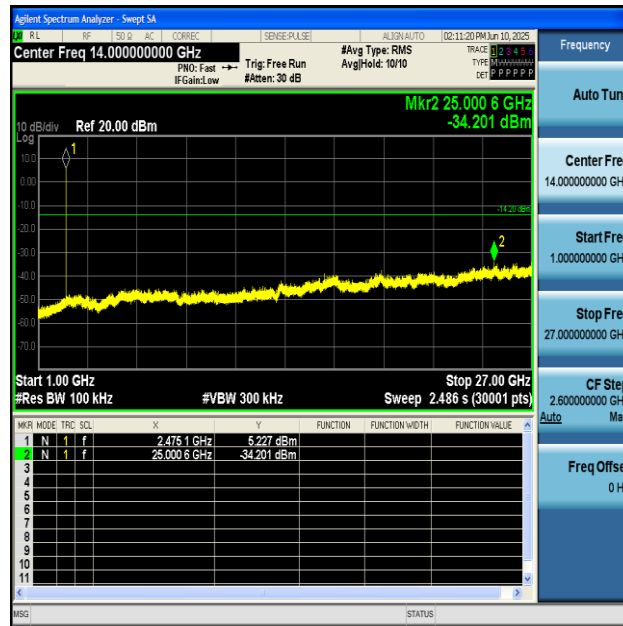
SRD-Ant1-2440-1000~27000-PASS



SRD-Ant1-2475-0~Reference-PASS



SRD-Ant1-2475-30~1000-PASS



SRD-Ant1-2475-1000~27000-PASS

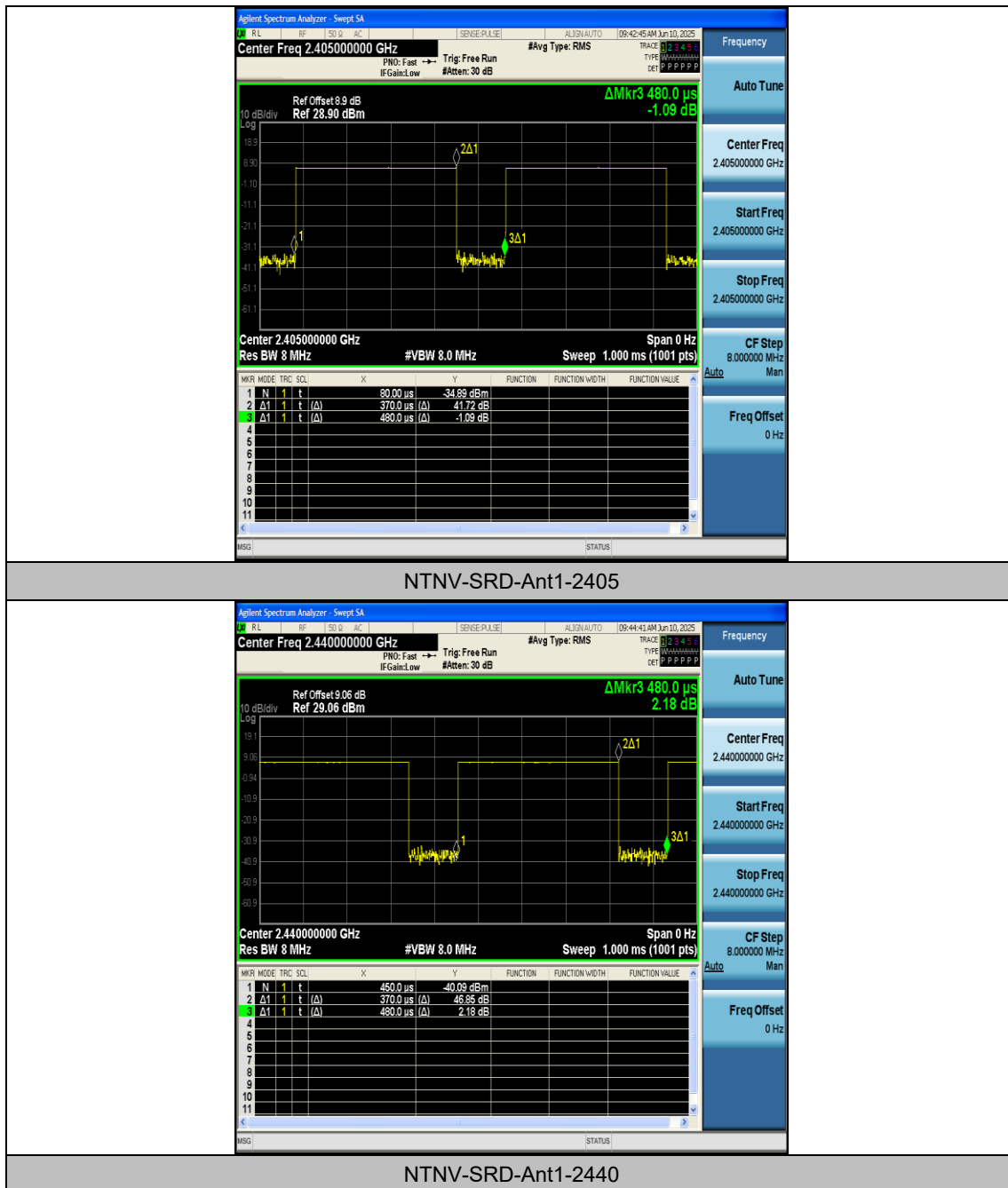
Appendix G: Duty Cycle

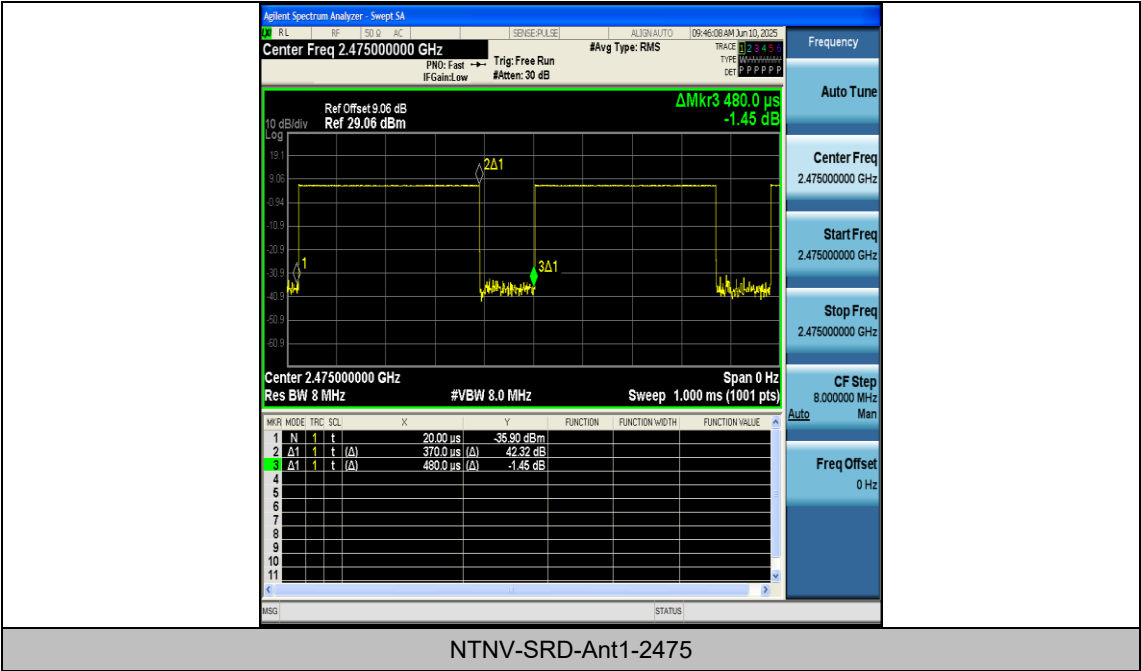
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2405	0.37	0.48	77.08	1.13
SRD	Ant1	2440	0.37	0.48	77.08	1.13
SRD	Ant1	2475	0.37	0.48	77.08	1.13

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





NTNV-SRD-Ant1-2475

