

Appendix Test Data for SRD (Conducted Measurement)

Product Name: R/C TOYS

Trade Mark: /

Test Model: LQB-88

FCC ID: 2A3YK8788

Environmental Conditions

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

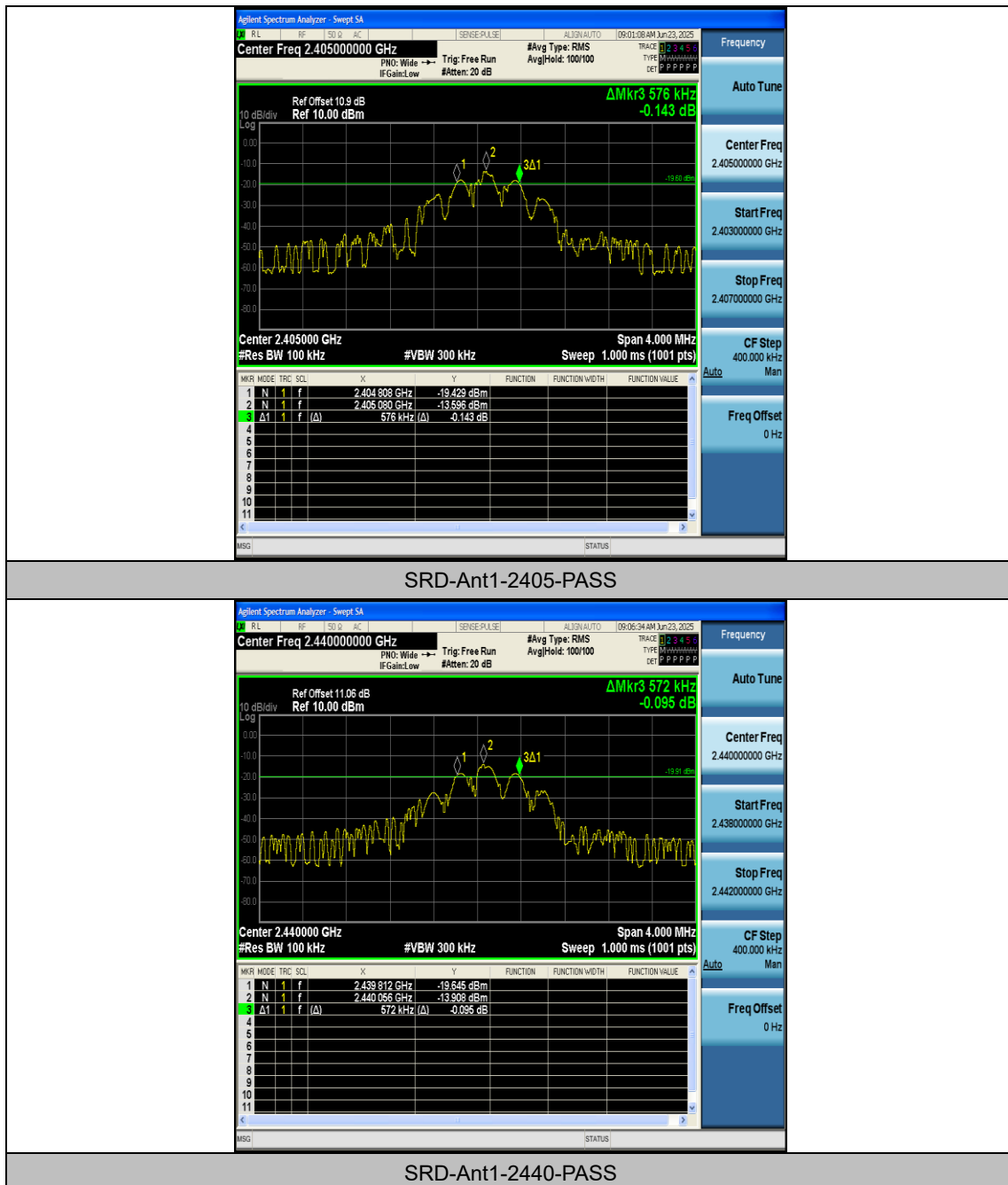
Appendix A: DTS Bandwidth

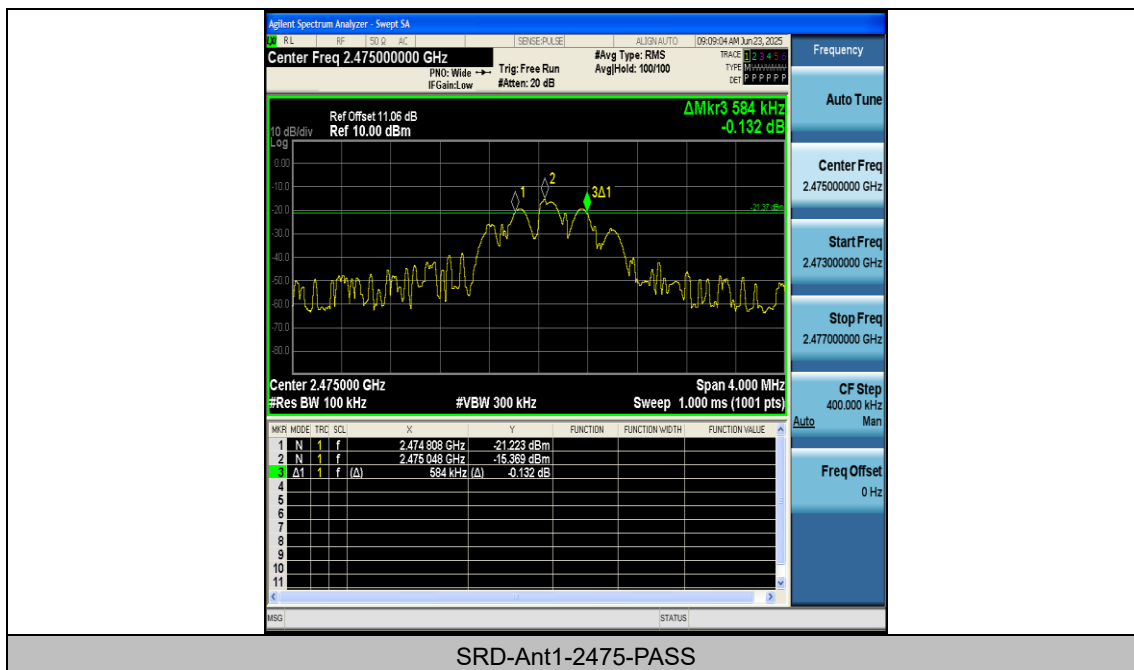
Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	0.576	2404.808	2405.384	0.5	PASS
SRD	Ant1	2440	0.572	2439.812	2440.384	0.5	PASS
SRD	Ant1	2475	0.584	2474.808	2475.392	0.5	PASS

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

Test Graphs





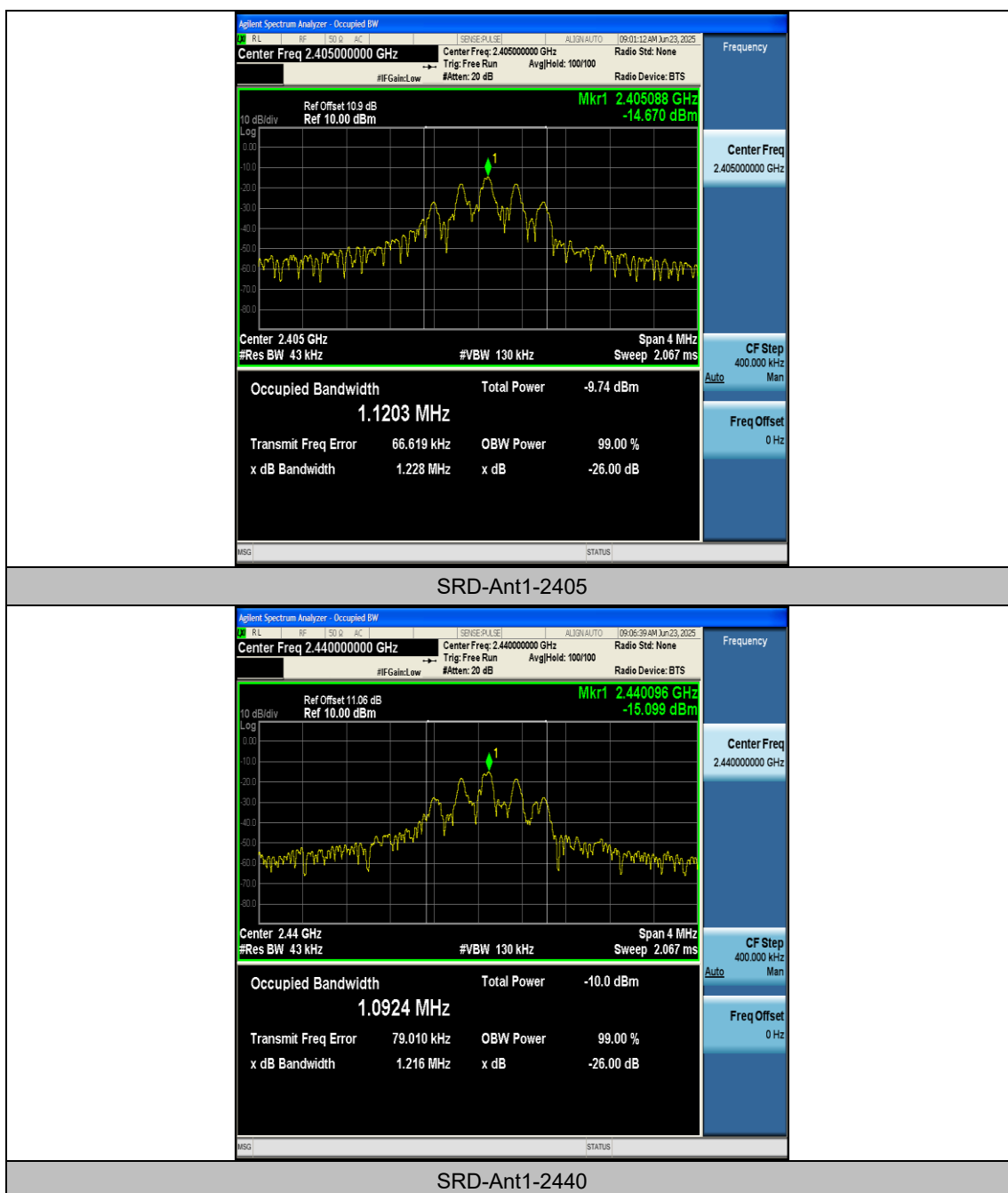
Appendix B: Occupied Channel Bandwidth

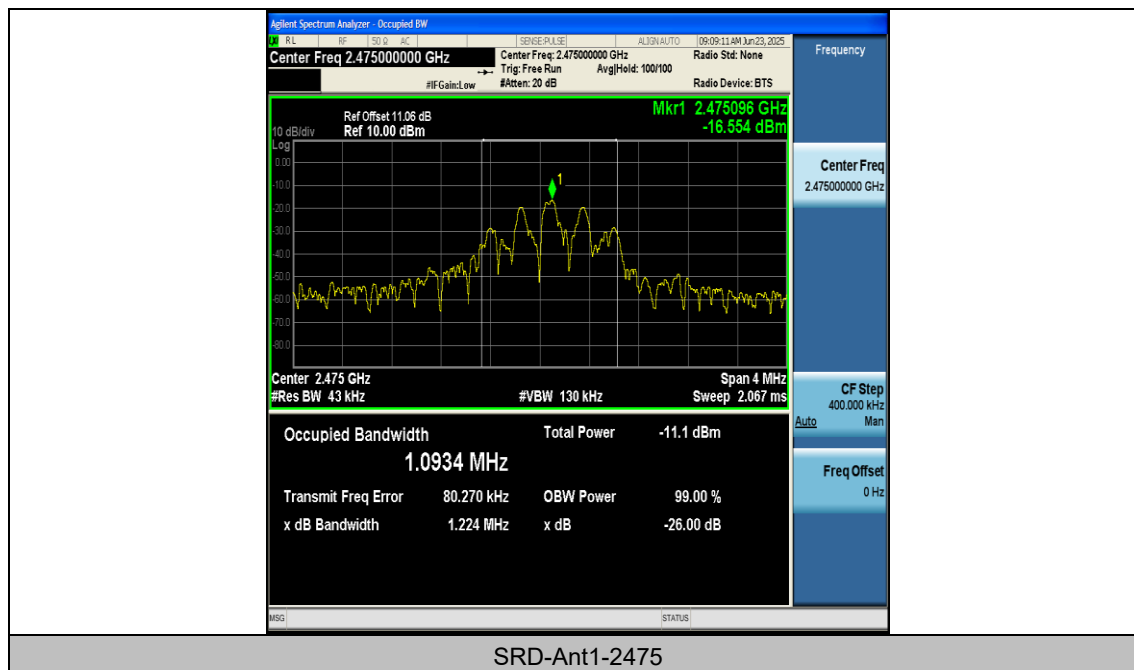
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	1.1203	2404.5065	2405.6268	---	---
SRD	Ant1	2440	1.0924	2439.5328	2440.6252	---	---
SRD	Ant1	2475	1.0934	2474.5336	2475.6270	---	---

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

Test Graphs





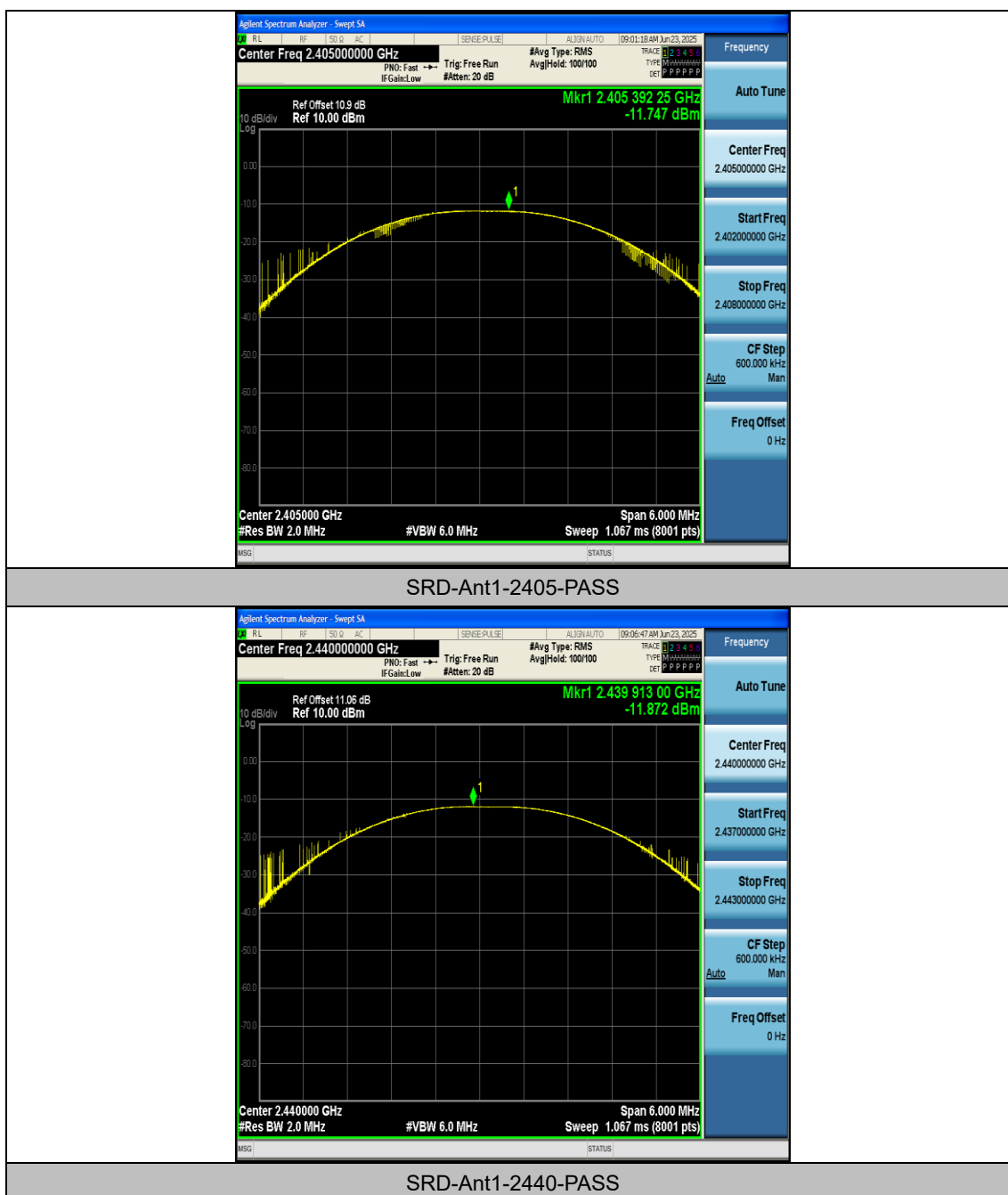
Appendix C: Maximum peak conducted output power

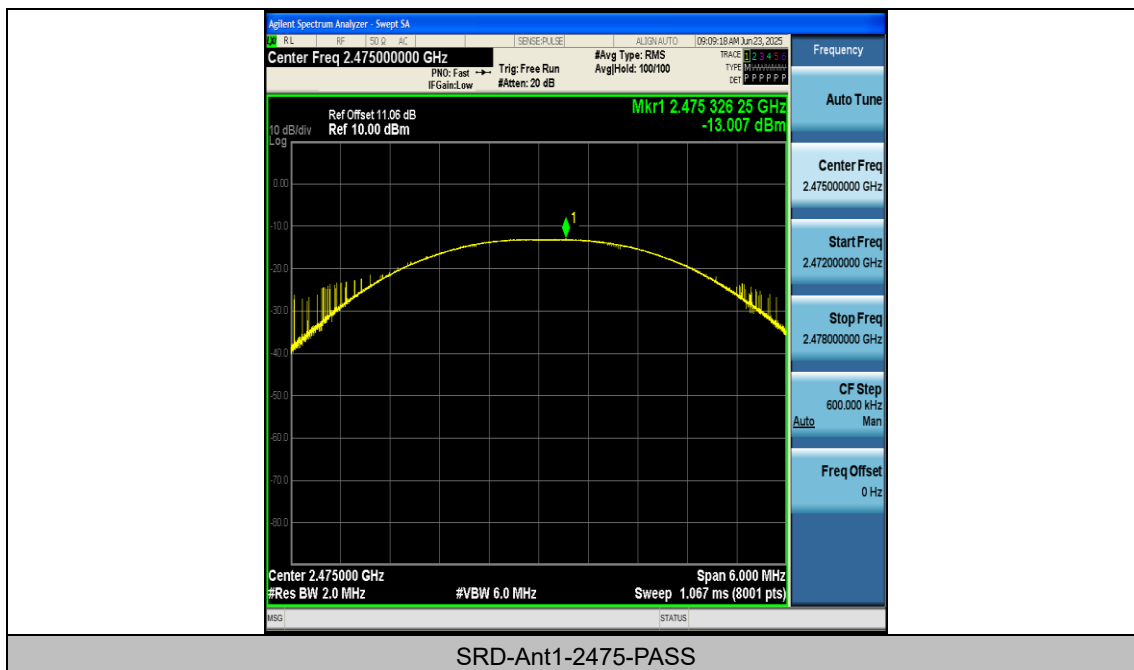
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2405	-11.75	≤30	PASS
SRD	Ant1	2440	-11.87	≤30	PASS
SRD	Ant1	2475	-13.01	≤30	PASS

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

Test Graphs Peak





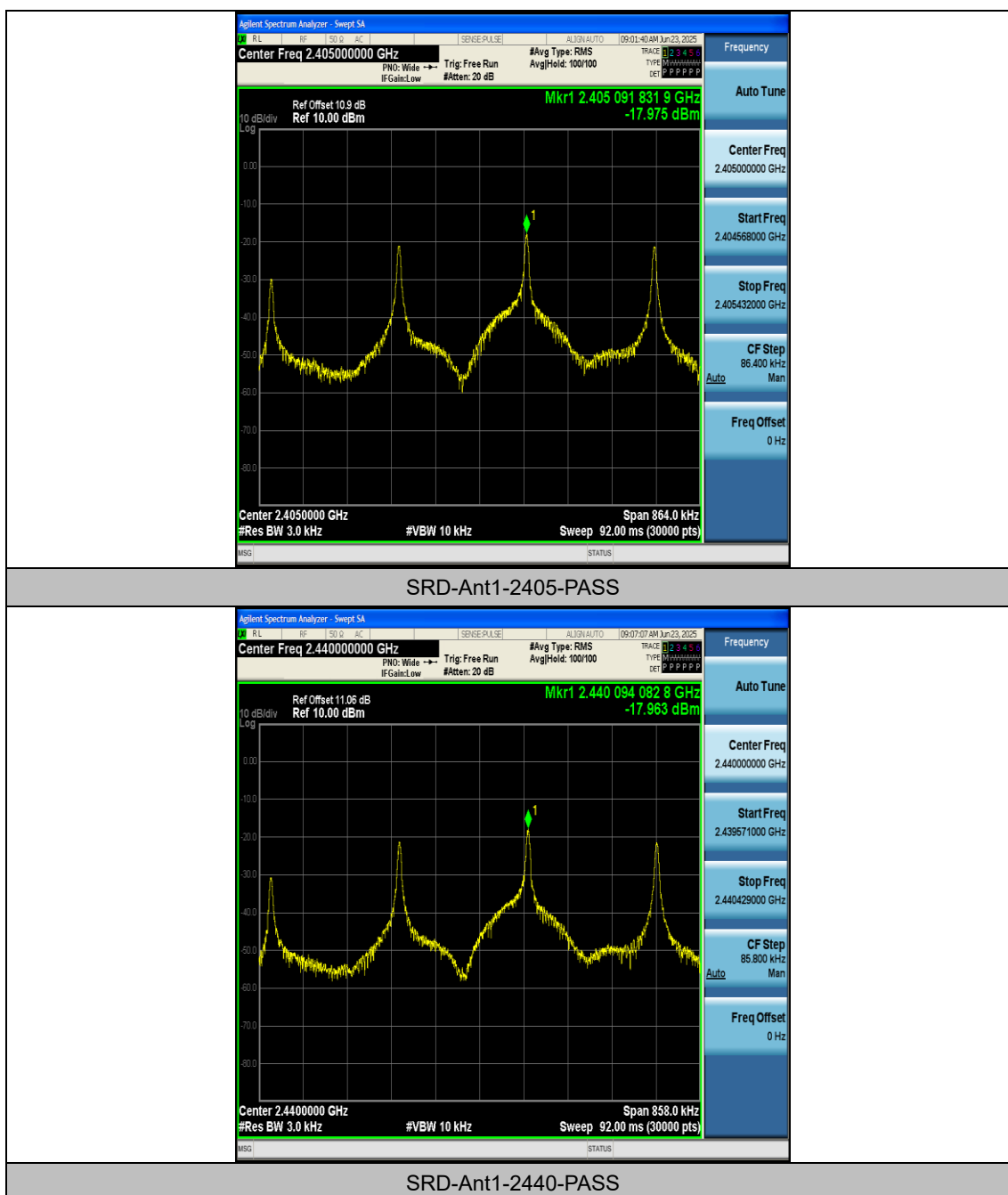
Appendix D: Maximum peak power spectral density

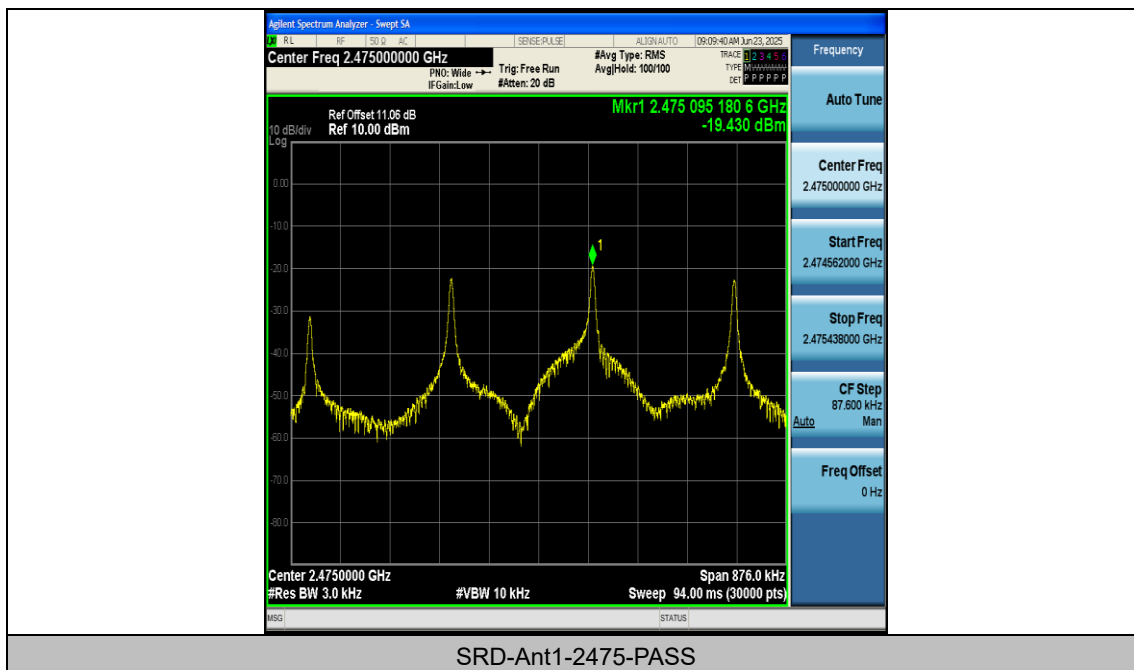
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2405	-17.98	≤8.00	PASS
SRD	Ant1	2440	-17.96	≤8.00	PASS
SRD	Ant1	2475	-19.43	≤8.00	PASS

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

Test Graphs





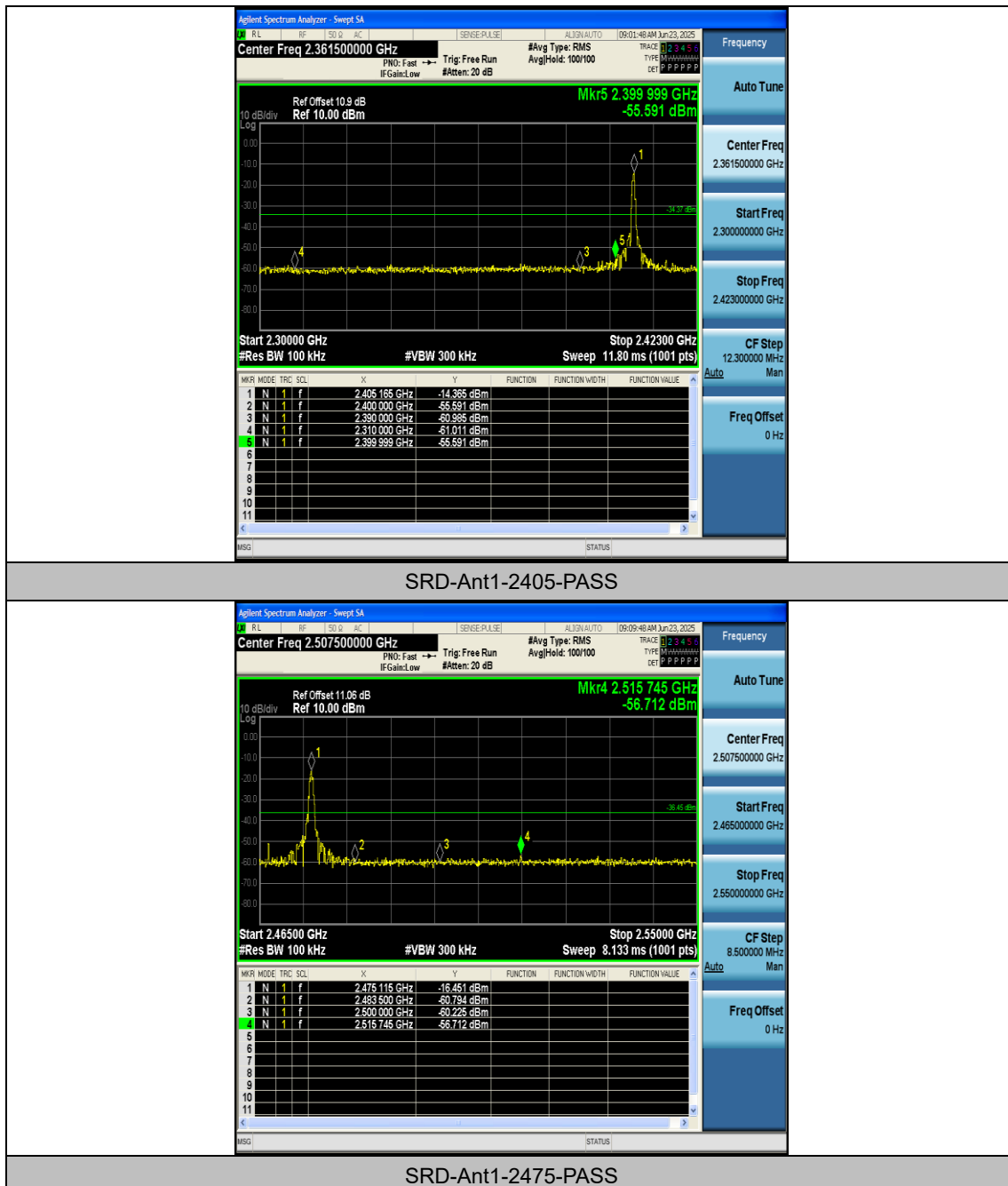
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2405	-14.37	-55.59	≤ -34.37	PASS
SRD	Ant1	High	2475	-16.45	-56.71	≤ -36.45	PASS

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

Test Graphs



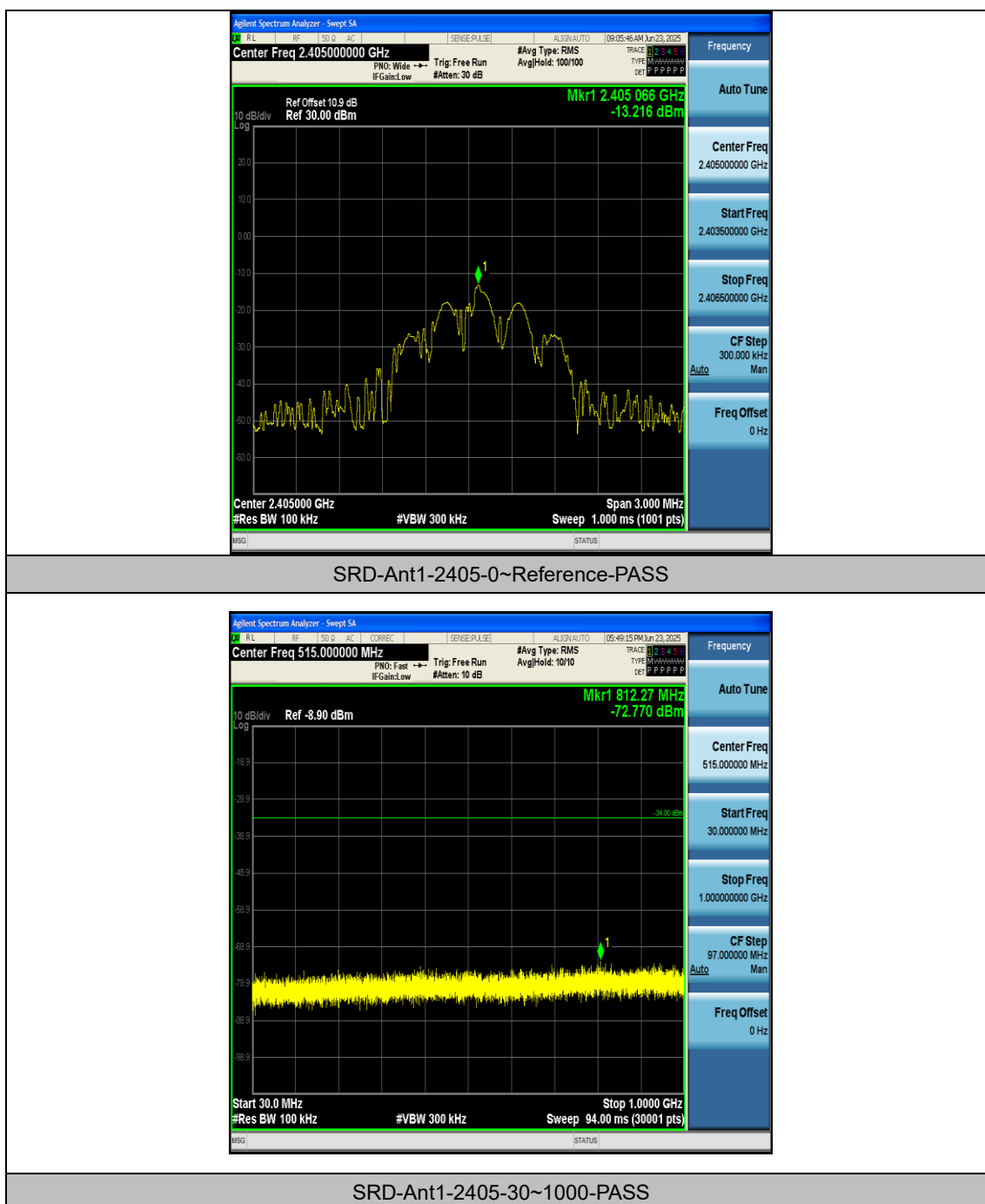
Appendix F: Conducted Spurious Emission

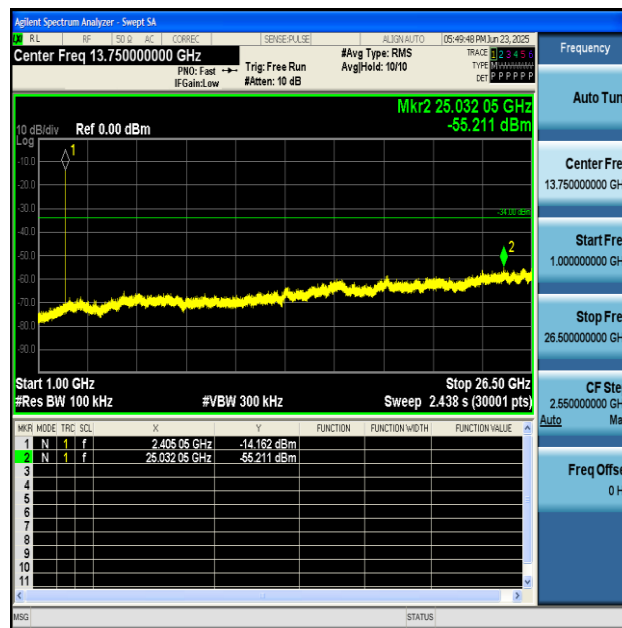
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2405	0~Reference	-13.22	-13.22	---	PASS
SRD	Ant1	2405	30~1000	-13.22	-72.77	≤-33.22	PASS
SRD	Ant1	2405	1000~26500	-13.22	-55.21	≤-33.22	PASS
SRD	Ant1	2440	0~Reference	-15.13	-15.13	---	PASS
SRD	Ant1	2440	30~1000	-15.13	-72.72	≤-35.13	PASS
SRD	Ant1	2440	1000~26500	-15.13	-55.45	≤-35.13	PASS
SRD	Ant1	2475	0~Reference	-14.44	-14.44	---	PASS
SRD	Ant1	2475	30~1000	-14.44	-72.89	≤-34.44	PASS
SRD	Ant1	2475	1000~26500	-14.44	-55.01	≤-34.44	PASS

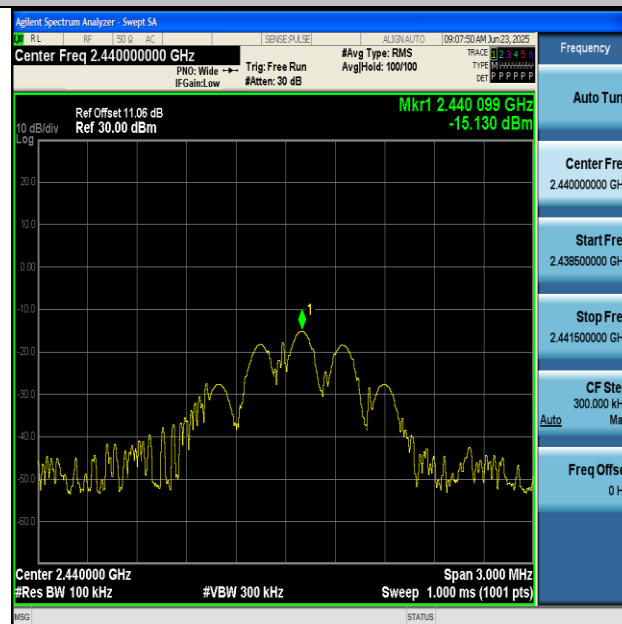
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs





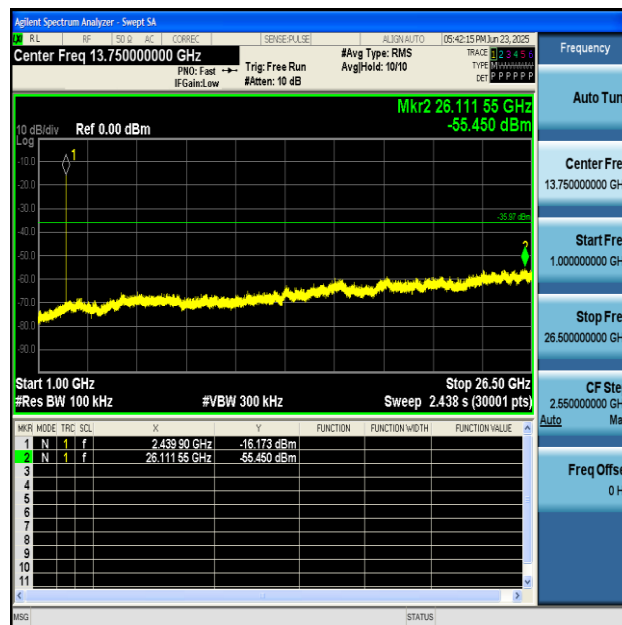
SRD-Ant1-2405-1000~12750-PASS



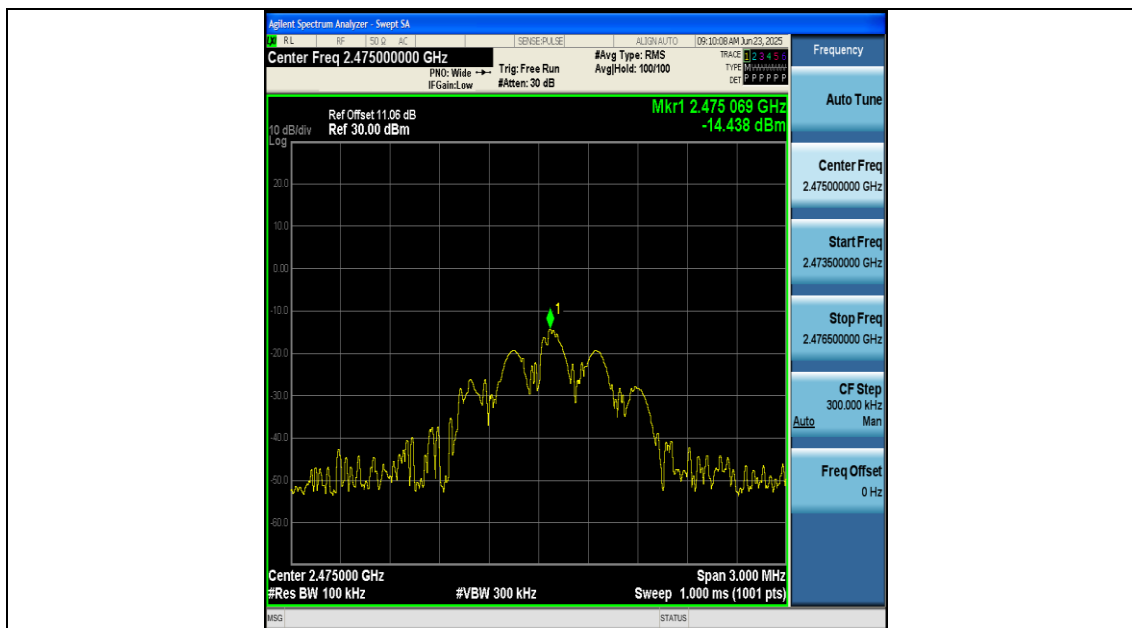
SRD-Ant1-2440-0~Reference-PASS



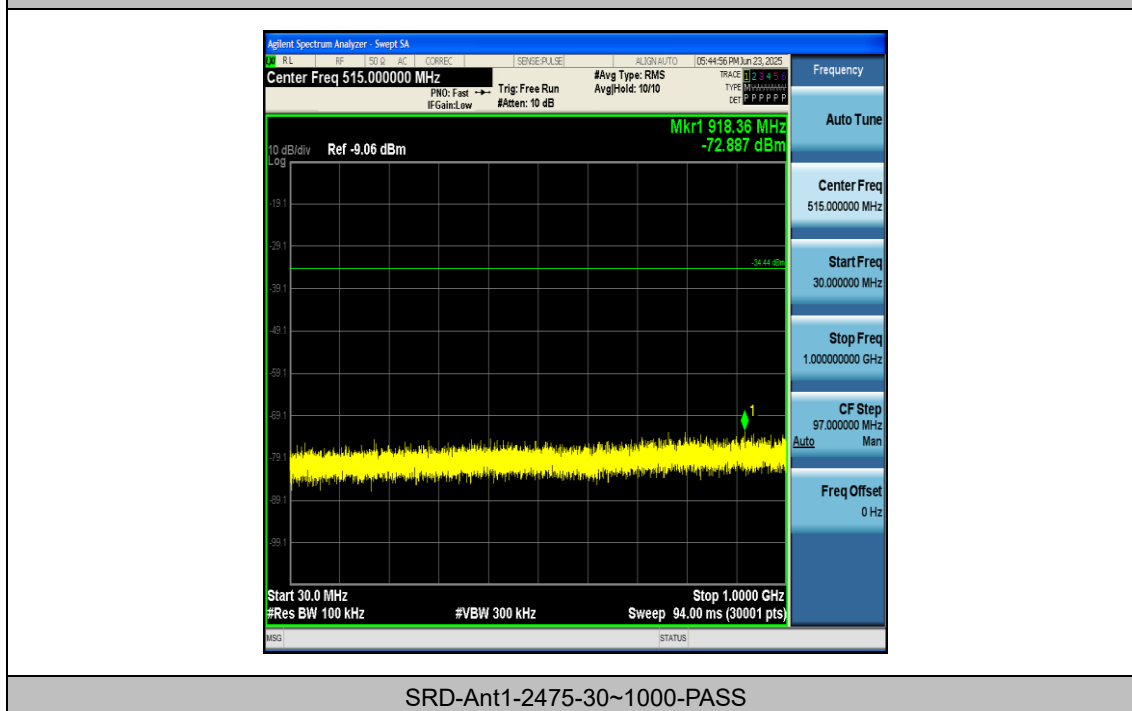
SRD-Ant1-2440-30~1000-PASS



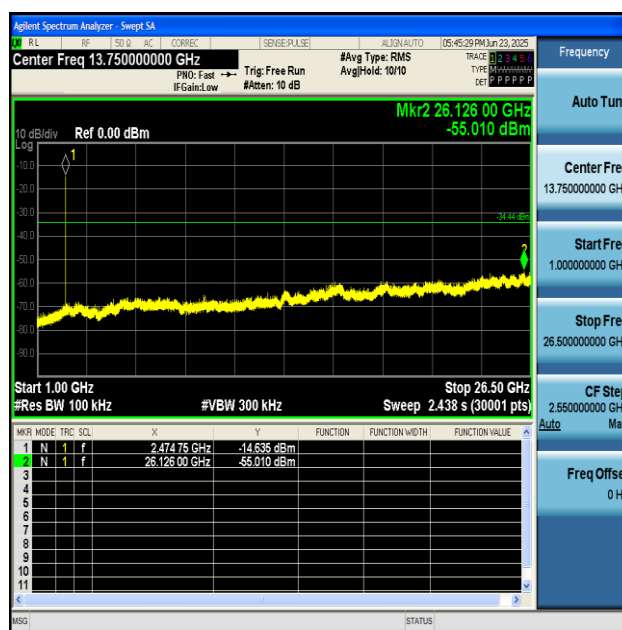
SRD-Ant1-2440-1000~26500-PASS



SRD-Ant1-2475-0~Reference-PASS



SRD-Ant1-2475-30~1000-PASS



SRD-Ant1-2475-1000~26500-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	0.18	0.30	60.00	2.22
SRD	Ant1	2440	0.18	0.30	60.00	2.22
SRD	Ant1	2475	0.19	0.30	63.33	1.98

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

Test Graphs

