



Appendix Test Data for SRD (Conducted Measurement)

Product Name: Remote Control Dinosaur

Trade Mark: /

Test Model: D918

FCC ID: 2BOLYLWKL58

Environmental Conditions

Temperature:	23.5°C
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	2454	0.704	2453.676	2454.380	0.5	PASS
SRD	Ant1	2465	0.696	2464.684	2465.380	0.5	PASS
SRD	Ant1	2477	0.692	2476.676	2477.368	0.5	PASS

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





Test Graphs







Appendix B: Occupied Channel Bandwidth

Test Result

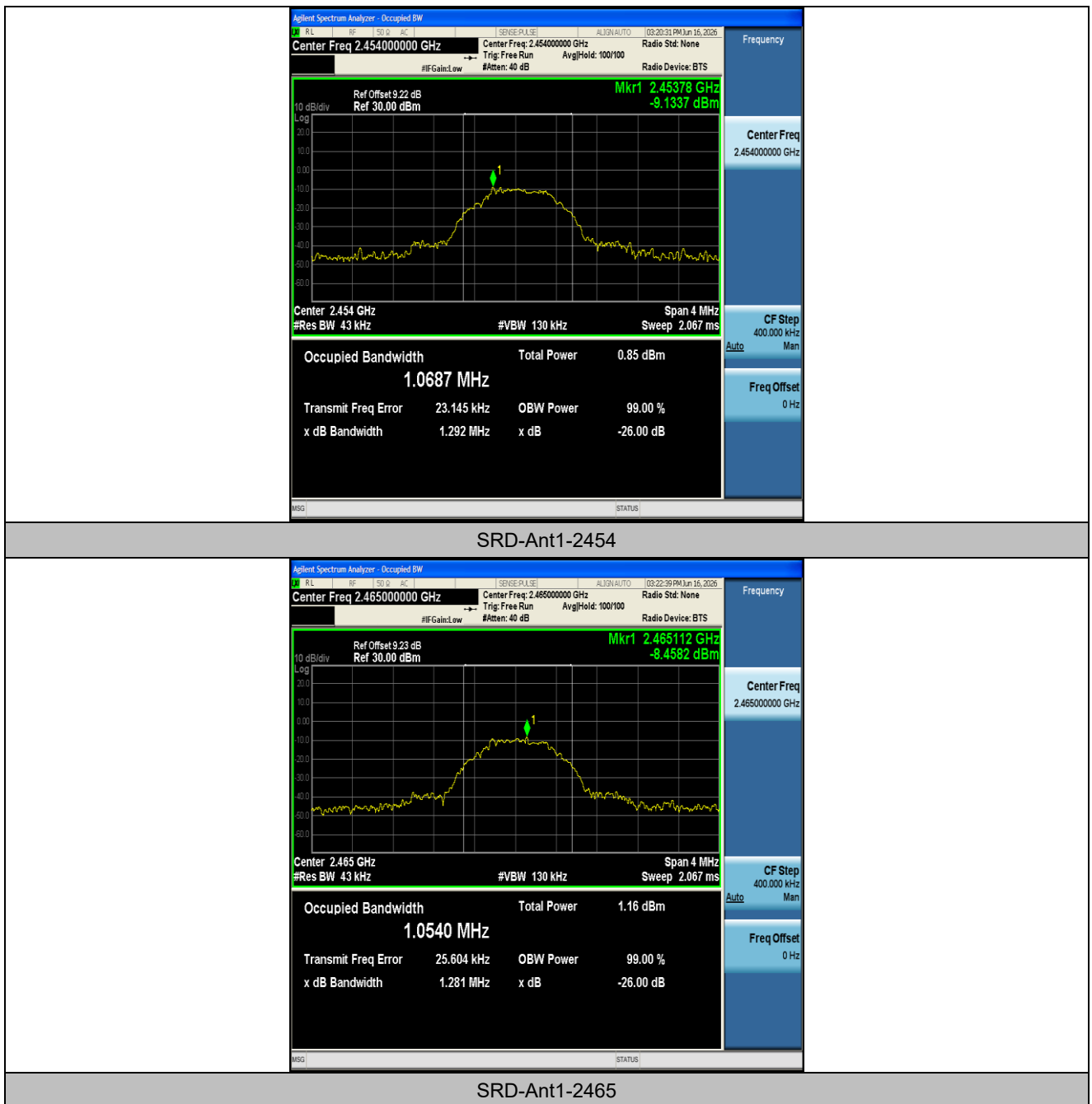
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2454	1.0687	2453.4888	2454.5575	---	---
SRD	Ant1	2465	1.0540	2464.4986	2465.5526	---	---
SRD	Ant1	2477	1.0543	2476.4979	2477.5522	---	---

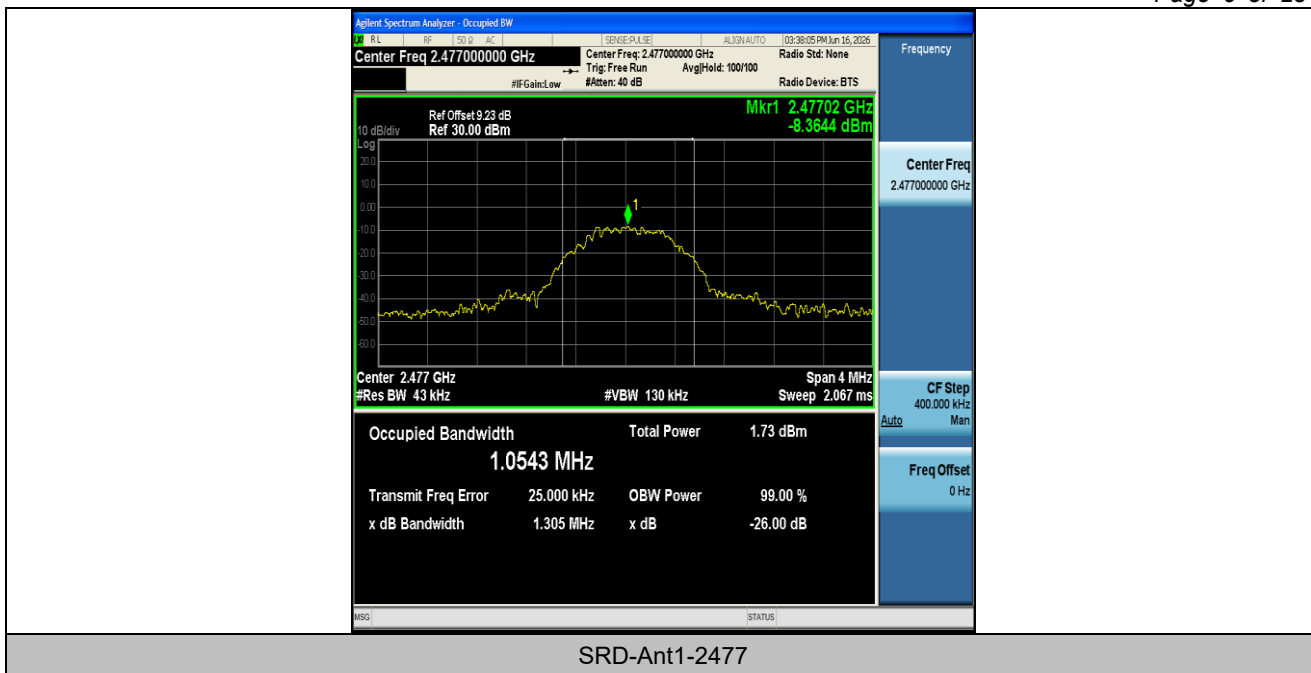
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix C: Maximum peak conducted output power

Test Result Peak

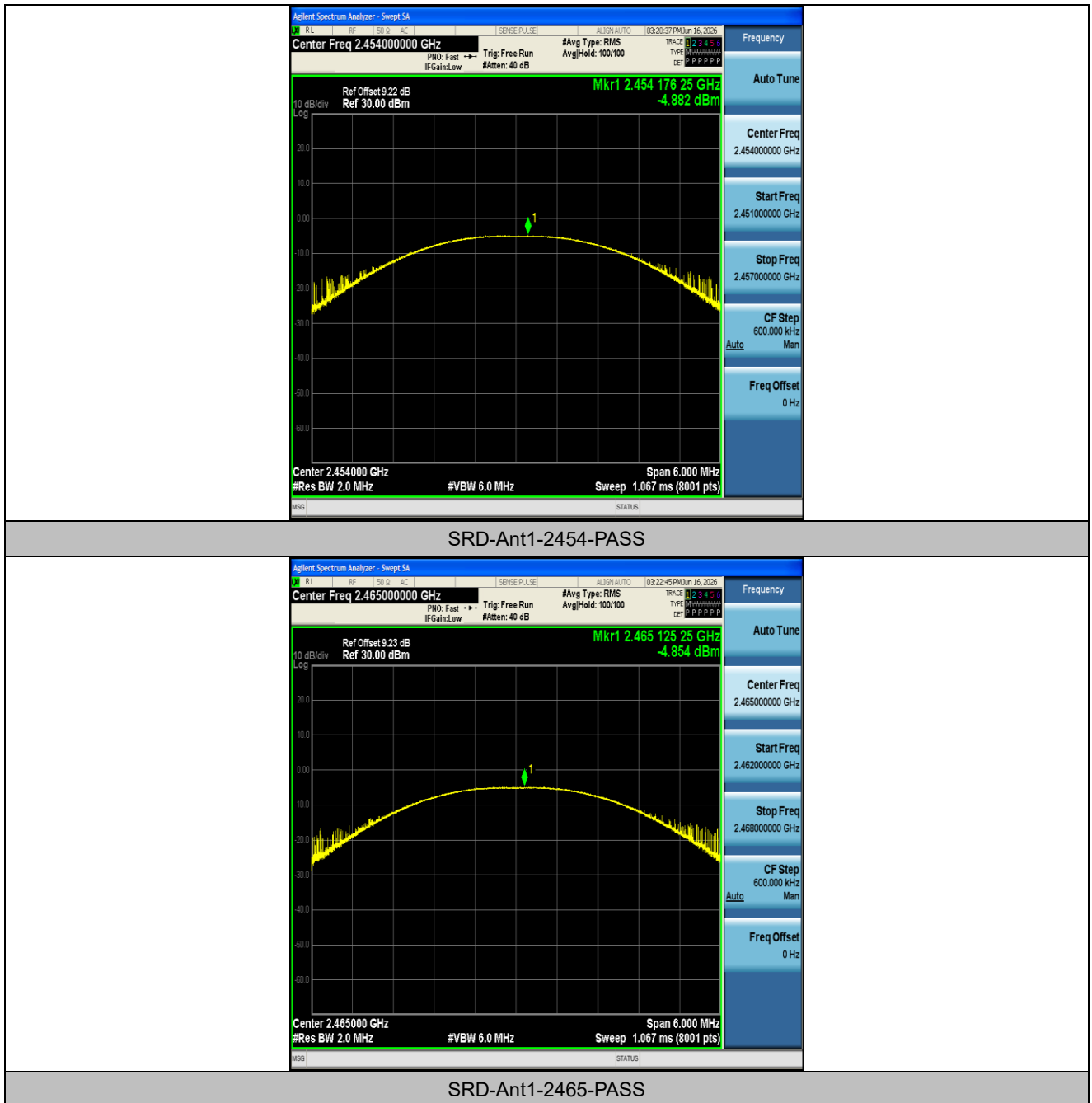
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2454	-4.88	≤30	PASS
SRD	Ant1	2465	-4.85	≤30	PASS
SRD	Ant1	2477	-4.31	≤30	PASS

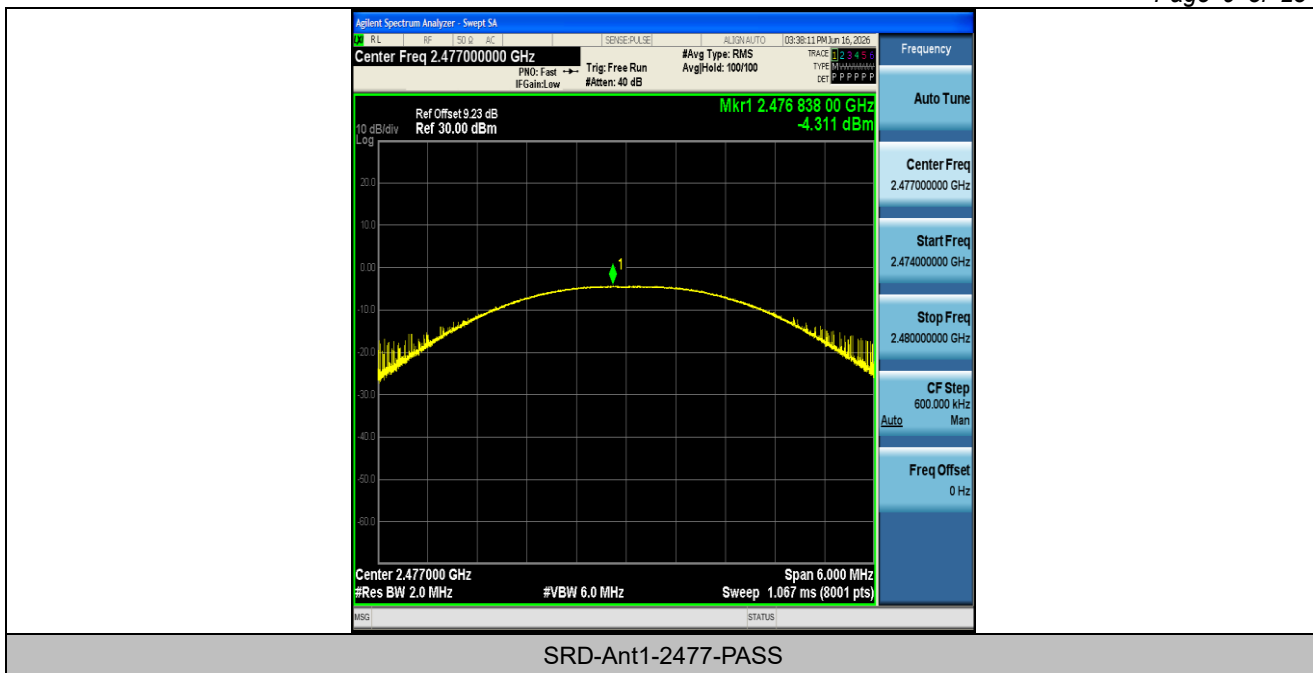
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs Peak







Appendix D: Maximum peak power spectral density

Test Result

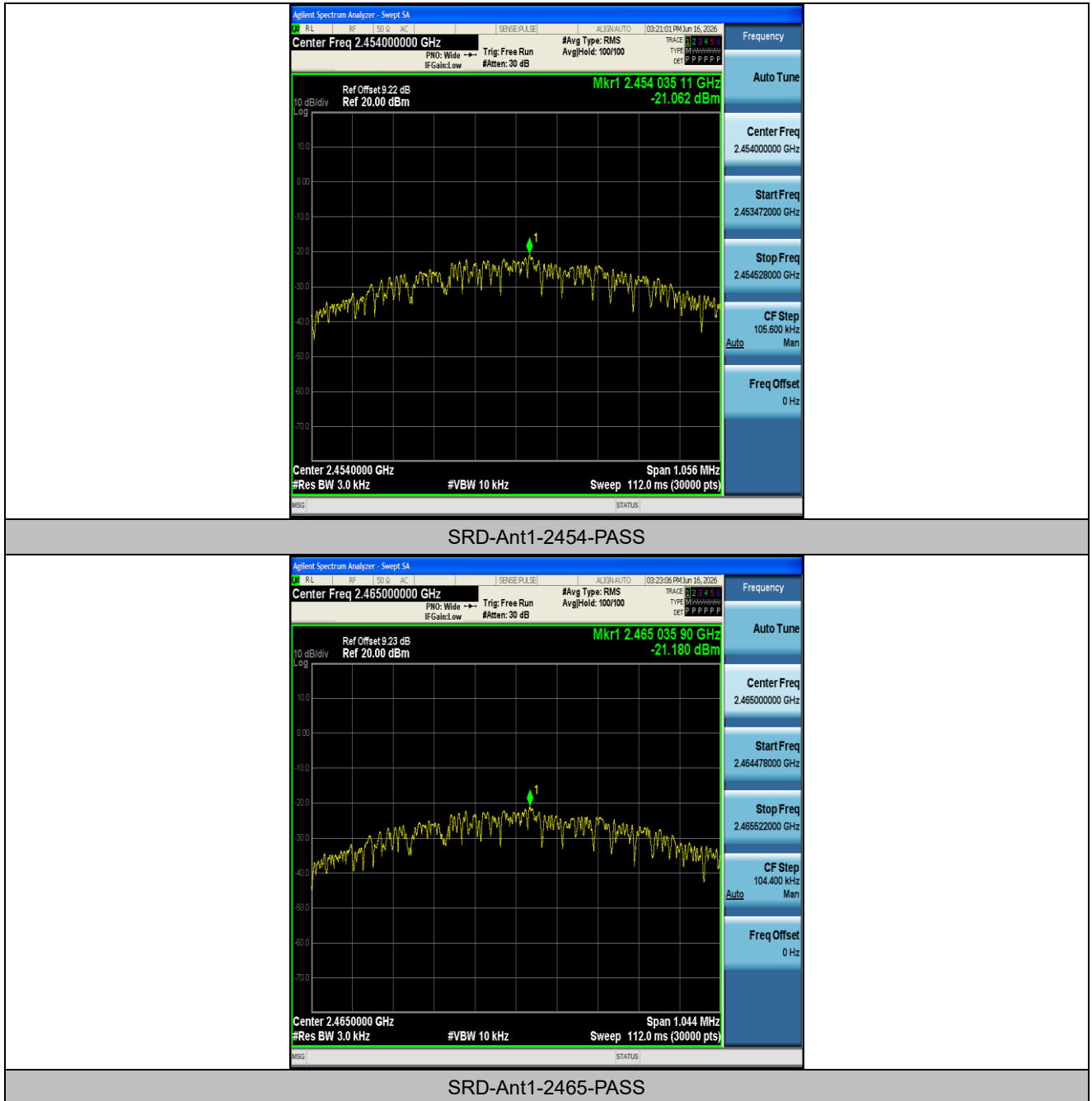
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2454	-21.06	≤8.00	PASS
SRD	Ant1	2465	-21.18	≤8.00	PASS
SRD	Ant1	2477	-20.38	≤8.00	PASS

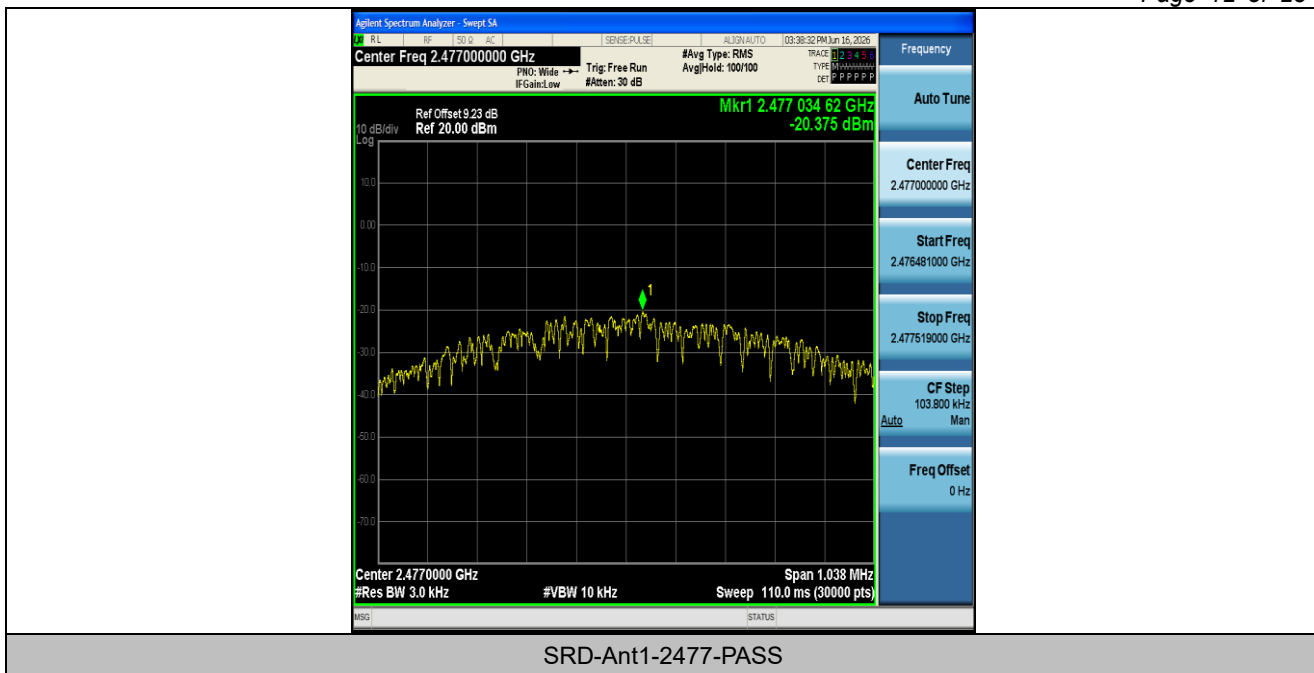
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Band edge measurements

Test Result

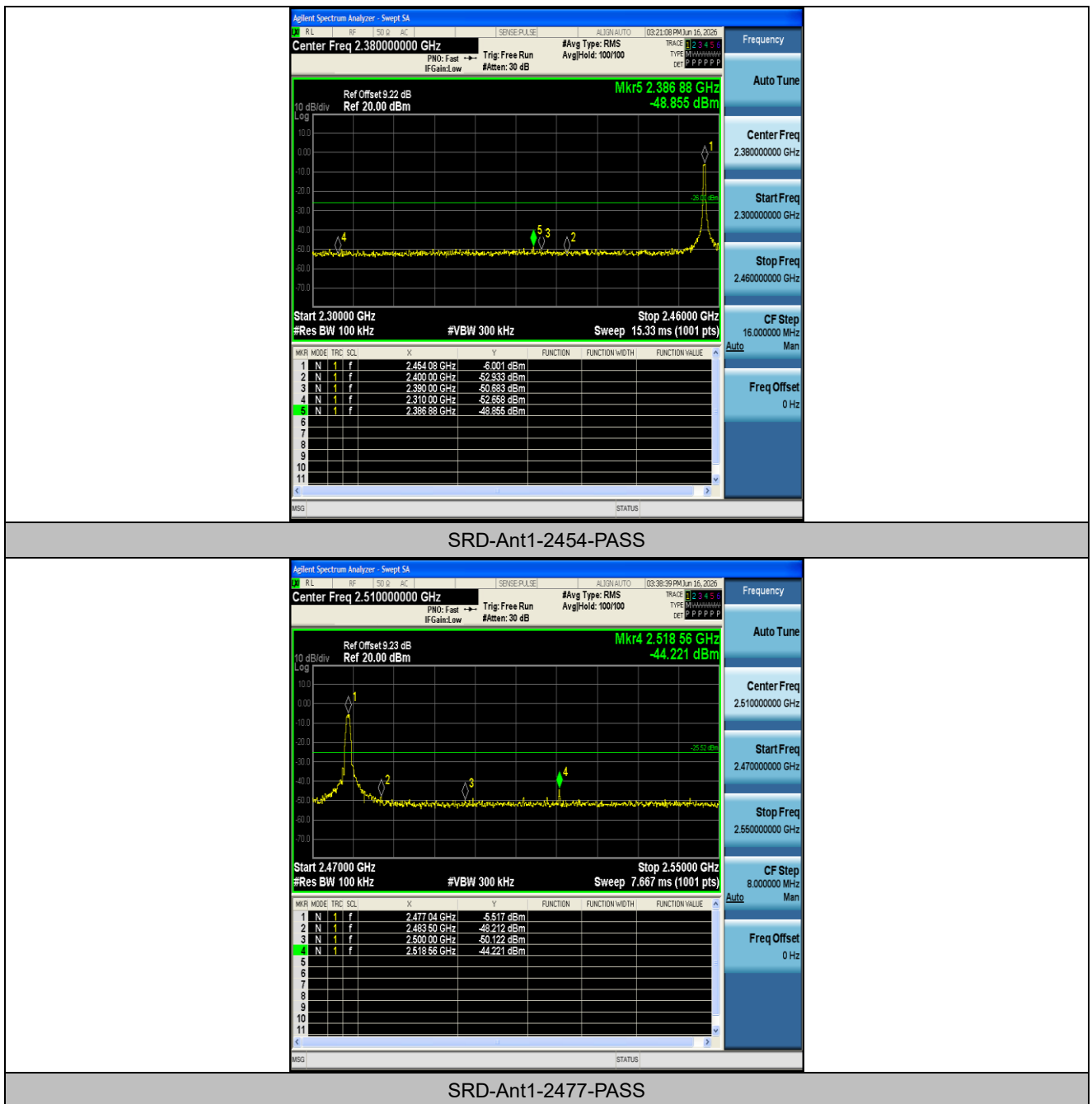
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2454	-6.00	-48.86	≤-26	PASS
SRD	Ant1	High	2477	-5.52	-44.22	≤-25.52	PASS

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





Test Graphs





Appendix F: Conducted Spurious Emission

Test Result

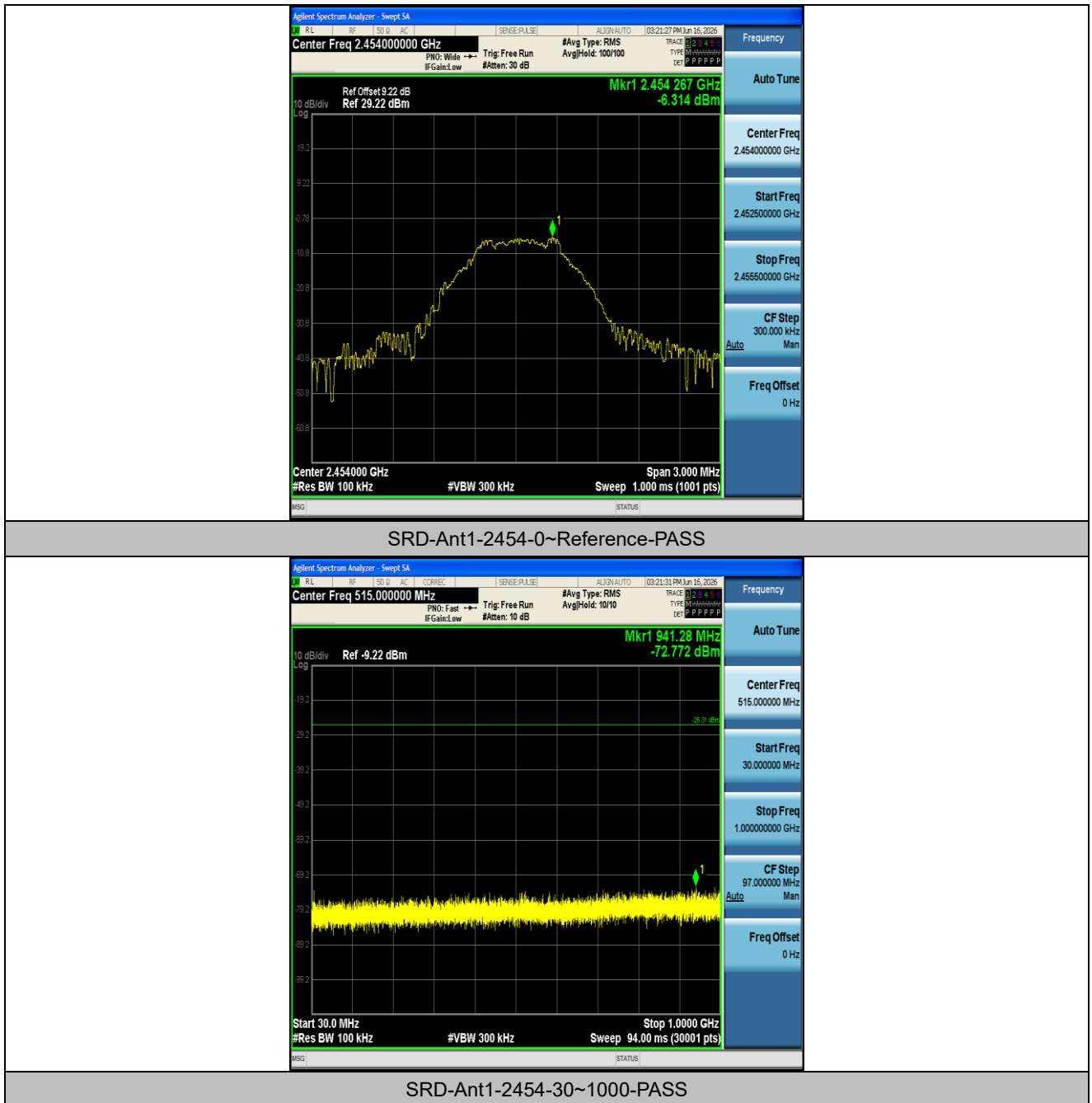
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2454	0~Reference	-6.31	-6.31	---	PASS
SRD	Ant1	2454	30~1000	-6.31	-72.77	≤ -26.31	PASS
SRD	Ant1	2454	1000~26500	-6.31	-47.68	≤ -26.31	PASS
SRD	Ant1	2465	0~Reference	-6.62	-6.62	---	PASS
SRD	Ant1	2465	30~1000	-6.62	-71.87	≤ -26.62	PASS
SRD	Ant1	2465	1000~26500	-6.62	-47.82	≤ -26.62	PASS
SRD	Ant1	2477	0~Reference	-5.60	-5.60	---	PASS
SRD	Ant1	2477	30~1000	-5.60	-67.74	≤ -25.6	PASS
SRD	Ant1	2477	1000~26500	-5.60	-47.06	≤ -25.6	PASS

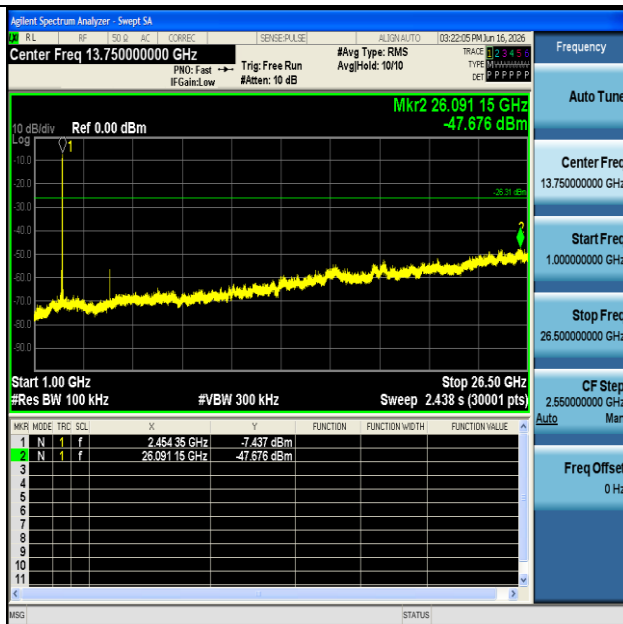
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.



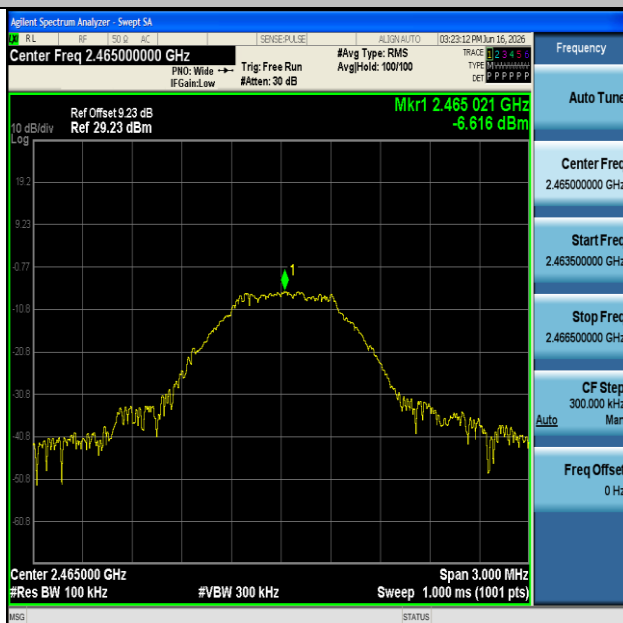


Test Graphs





SRD-Ant1-2454-1000~26500-PASS

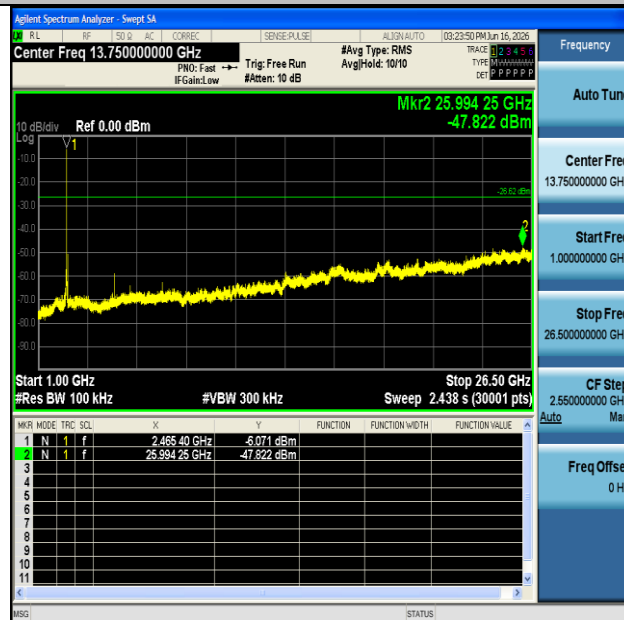


SRD-Ant1-2465-0~Reference-PASS





SRD-Ant1-2465-30~1000-PASS

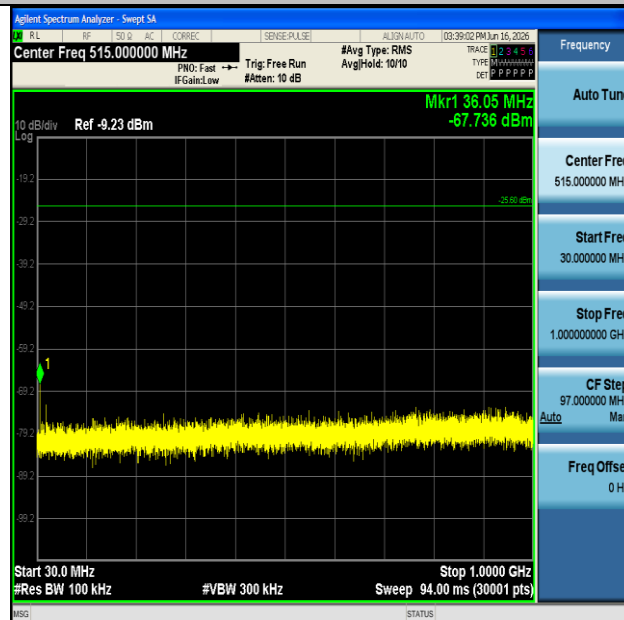


SRD-Ant1-2465-1000~26500-PASS



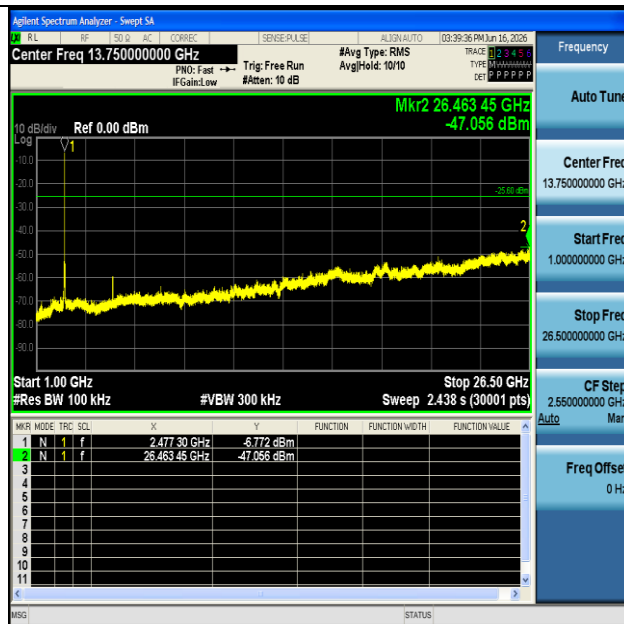


SRD-Ant1-2477-0~Reference-PASS



SRD-Ant1-2477-30~1000-PASS





SRD-Ant1-2477-1000~26500-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	2454	0.41	0.61	67.21	1.73
SRD	Ant1	2465	0.42	0.61	68.85	1.62
SRD	Ant1	2477	0.42	0.61	68.85	1.62

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





Test Graphs

