



Appendix Test Data for SRD (Conducted Measurement)

Product Name: MECHANICAL DINOSAUR

Trade Mark: /

Test Model: 6061A

FCC ID: 2BWC3-6061A

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	2439	0.812	2438.576	2439.388	0.5	PASS

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





Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

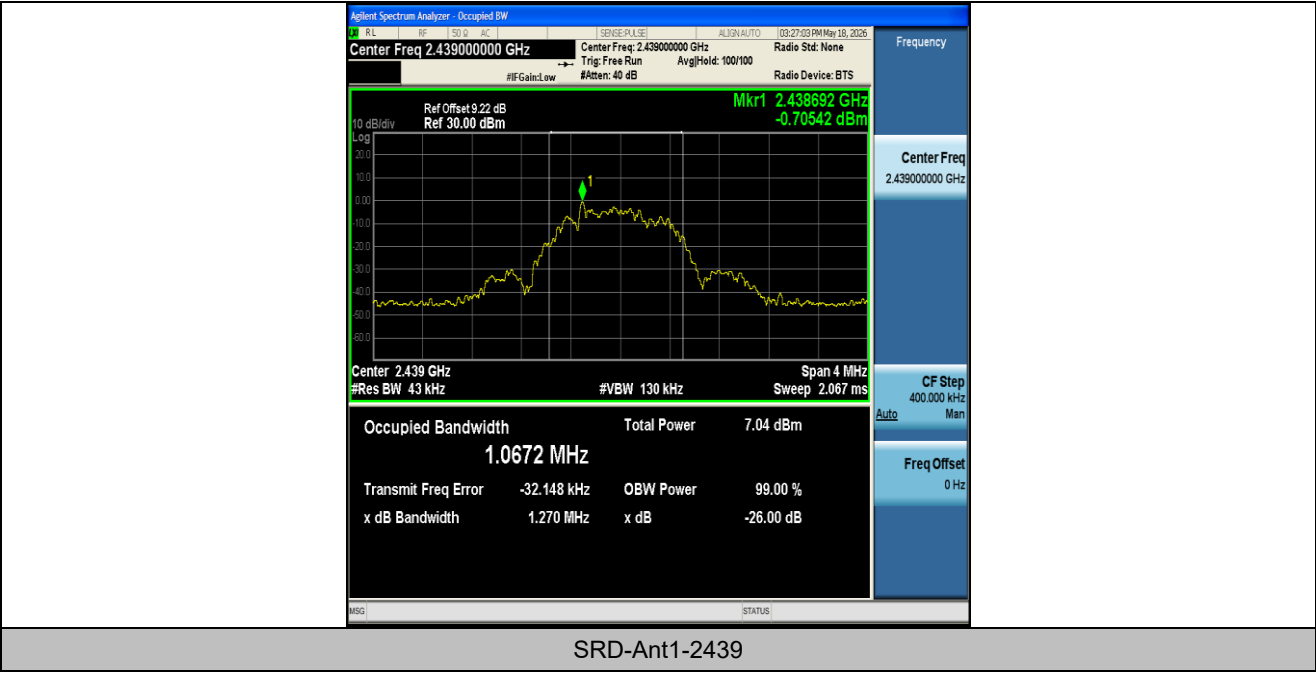
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2439	1.0672	2438.4343	2439.5015	---	---

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





Test Graphs





Appendix C: Maximum peak conducted output power

Test Result Peak

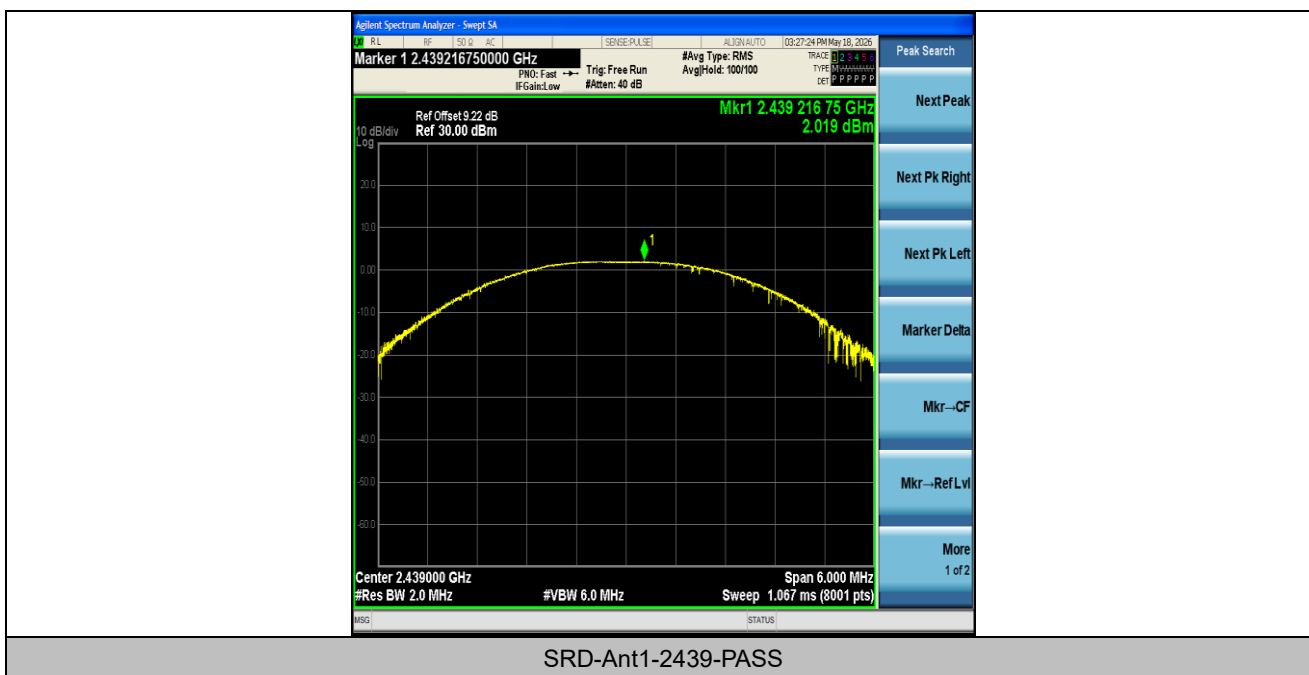
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2439	2.00	≤30	PASS

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





Test Graphs Peak





Appendix D: Maximum peak power spectral density

Test Result

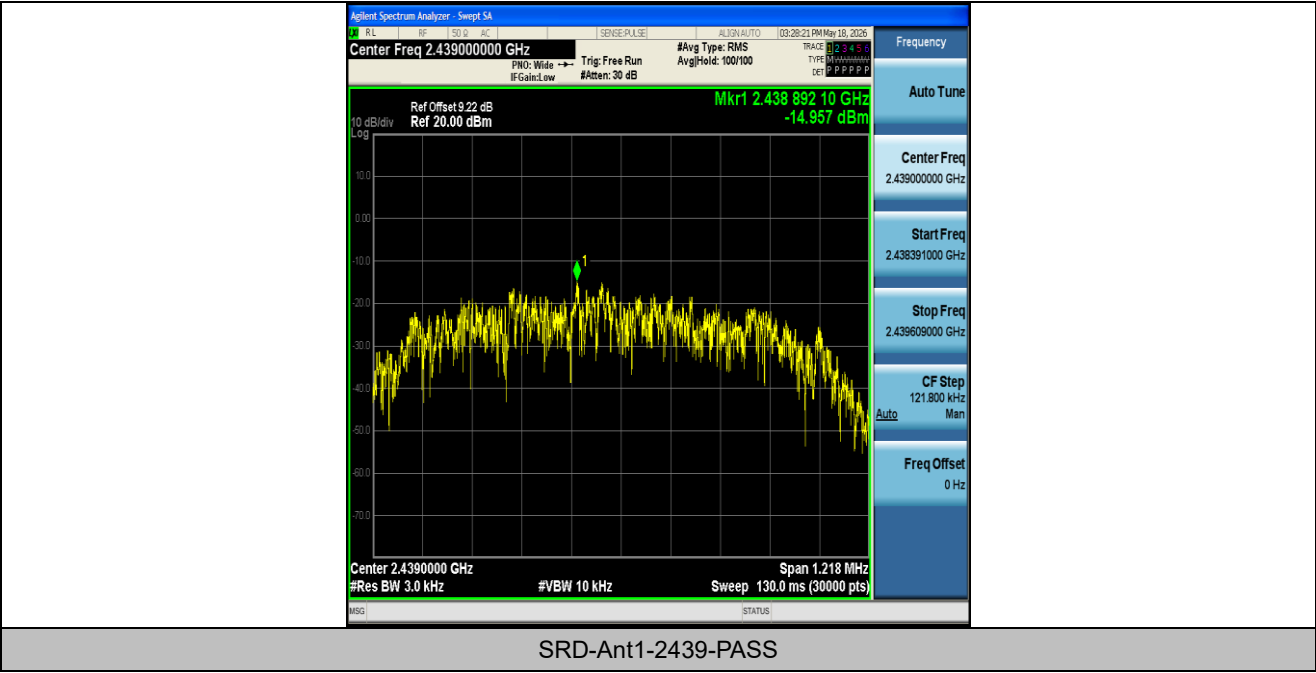
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2439	-14.96	≤8.00	PASS

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





Test Graphs





Appendix E: Band edge measurements

Test Result

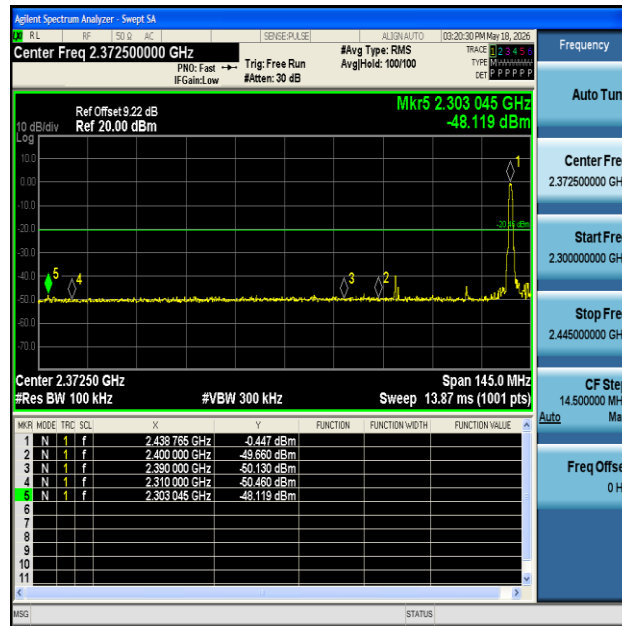
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2439	-0.45	-48.12	≤ -20.45	PASS
SRD	Ant1	High	2439	-0.87	-42.29	≤ -19.14	PASS

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

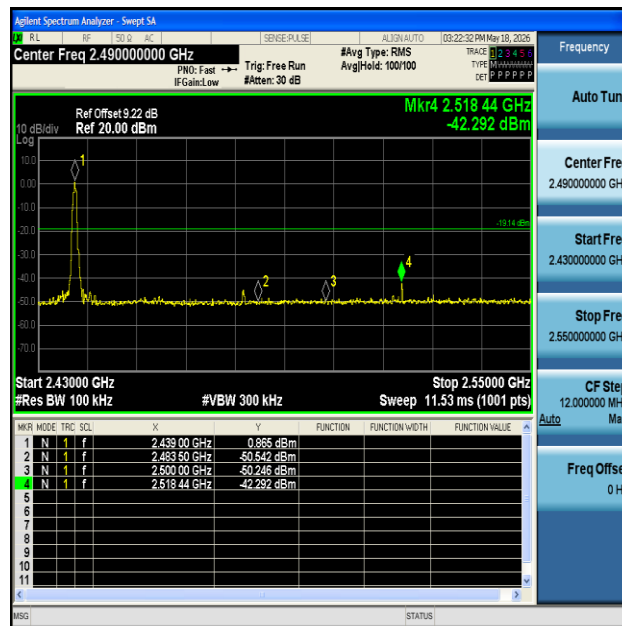




Test Graphs



SRD-Ant1-2410-PASS



SRD-Ant1-2470-PASS





Appendix F: Conducted Spurious Emission

Test Result

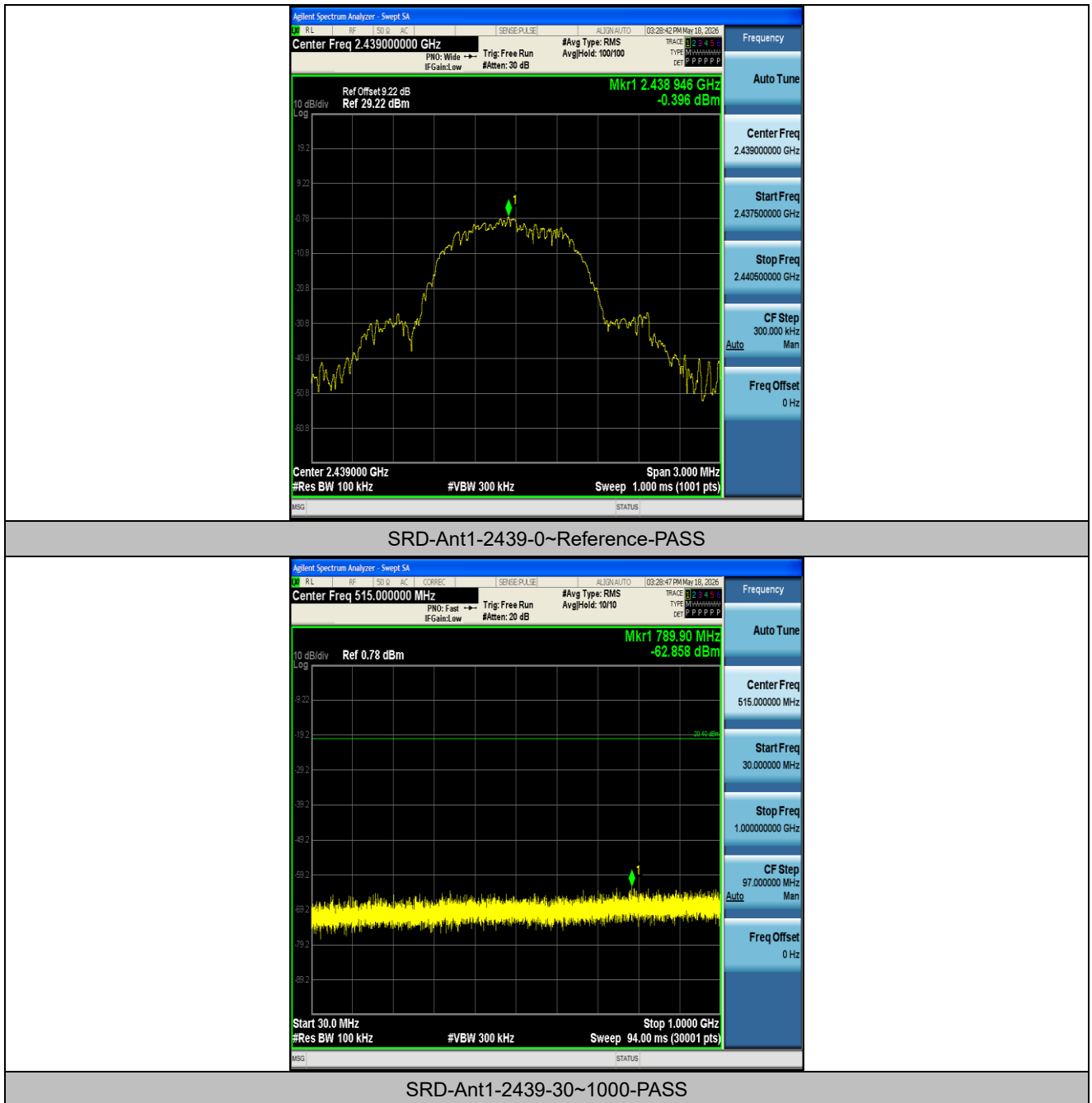
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2439	0~Reference	-0.40	-0.40	---	PASS
SRD	Ant1	2439	30~1000	-0.40	-62.86	≤-20.4	PASS
SRD	Ant1	2439	1000~26500	-0.40	-36.72	≤-20.4	PASS

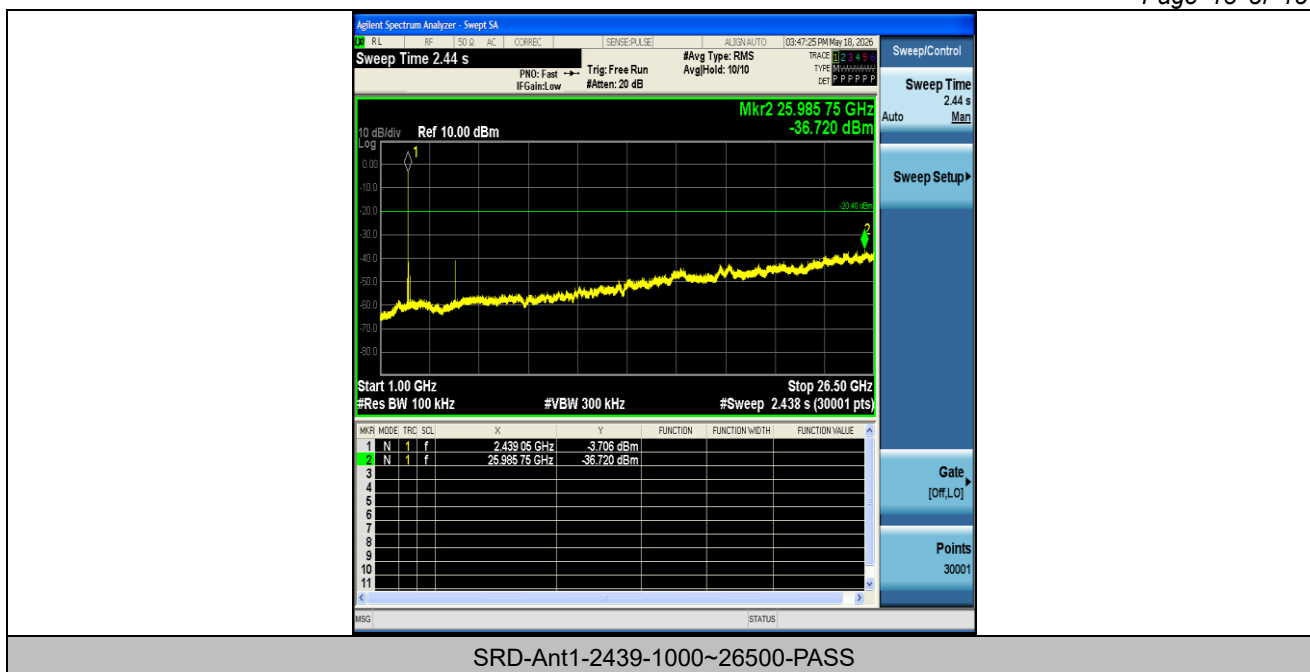
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.





Test Graphs





SRD-Ant1-2439-1000~26500-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	2439	0.15	10.74	1.40	18.54

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





Test Graphs

