Company: Radwin Ltd

Test of: AP0158770 Wireless Module

To: FCC CFR 47 Part 15 Subpart E 15.407
Industry Canada RSS-247 Issue 1

Report No.: RDWN39-U3a MPE Rev A

MPE TEST REPORT

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FROM

Test of: Radwin Ltd. AP0158770
to

To: FCC CFR 47 Part 15 Subpart E 15.407
Industry Canada RSS-247 Issue 1

Test Report Serial No.: RDWN39-U3a MPE Rev A

This report supersedes: NONE

Applicant:	Radwin 27 Habarzel Street Tel Aviv 69710 Israel
Product Function:	5 GHz Wireless Module
Issue Date:	7th December 2015

This Test Report is Issued Under the Authority of:

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TESTING CERT #2381.01

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels
Power Density = Pd (mW/cm^2) = EIRP/(4*π*d^2)
EIRP = P * G
P = Peak output power (mW)
G = Antenna numeric gain (numeric)
d = Separation distance (cm)
Numeric Gain = 10 ^ (G (dBi)/10)
Because the EUT belongs to the General Population/Uncontrolled Exposure the limit of power density is 1.0 mW/cm^2

Worst case results for each antenna type 5725-5850 MHz

Antenna Model	Type	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Safe Distance @ 1mW/cm^2 Limit (cm)	Minimum Distance (cm)
RW-9401-5002	Shark Fin Monopole	11.5*	14.13	24.44	278.0	17.7	20.0
RW-9061-5002	Sector Dual Pole 60 Deg	15.5*	35.48	20.41	109.9	17.6	20.0
RW-9622-5001	Flat Panel Dual Pole External	28*	630.96	29.91	979.5	221.8	221.8
RW-9732-4958	Dual Pole Dish	31*	1258.93	29.91	979.5	313.3	313.3
AM0156430	Integrated Smart Flat Panel	20.5	112.2	29.91	979.5	93.5	93.5

* Gain includes 1 dB feeder loss for external antennas

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

Specification
Maximum Permissible Exposure Limits

FCC §1.1310 Limit = 1mW / cm^2 from 1.310 Table 1

RSS-Gen §3.2 In addition to RSS-Gen, the requirements in Radio Standards Specification RSS-102 shall be met.

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