



## MPE/RF EXPOSURE REPORT

FCC CFR 47 Part 1.1310

REPORT No: RDWN63-U3 FCC MPE Rev A

**Company:** Radwin Ltd.

**Model:** AP0168031



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**Model:** AP0168031

**To:** FCC CFR 47 Part 1.1310

Test Report Serial No.: RDWN63-U3 FCC MPE Rev A

This report supersedes: NONE

Applicant: Radwin Ltd.  
27 Habarzel Street  
Tel Aviv, 6971039  
Israel

Issue Date: 1st April 2020

**This Test Report is Issued Under the Authority of:**

**MiCOM Labs, Inc.**  
575 Boulder Court  
Pleasanton California 94566  
USA  
Phone: +1 (925) 462-0304  
Fax: +1 (925) 462-0306  
[www.micomlabs.com](http://www.micomlabs.com)



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## 1. MAXIMUM PERMISSABLE EXPOSURE

### Calculations for Maximum Permissible Exposure Levels

Power Density =  $P_d$  (mW/cm<sup>2</sup>) = EIRP/(4\*π\*d<sup>2</sup>)

EIRP = P \* G

P = Peak output power (mW)

G = Antenna numeric gain (numeric)

d = Separation distance (cm)

Numeric Gain = 10 ^ (G (dBi)/10)

The EUT belongs to the General Population/Uncontrolled Exposure.

The calculations in the table below use the highest conducted power values together with the lowest effective antenna gain specified for the EUT. These calculations represent worst case in terms of the exposure levels.

Freq. Band (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Power Density (mW/cm <sup>2</sup> ) @ 20cm	Power Density Limit (mW/cm <sup>2</sup> )	Min Calculated safe distance for Limit (cm)	Calculated Power Density (mW/cm <sup>2</sup> ) @ Min Safe Distance
5470.0 - 5725.0	6.5	4.47	23.12	205.12	0.18	1.00	8.54	1.00
<b>Below results were taken from report RDWN53-U2_MPE</b>								
5725.00 – 5850.00	5.50	3.55	29.82	959.40	0.67	1.00	16.50	1.00
5725.00 – 5850.00	19.00	79.43	29.82	959.40	15.16	1.00	77.87	1.00

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

The Limit are defined in Table 1 of FCC §1.1310.



575 Boulder Court  
Pleasanton, California 94566, USA  
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Fax: +1 (925) 462 0306  
[www.micomlabs.com](http://www.micomlabs.com)