



## REGULATORY COMPLIANCE REPORT

FCC CFR 47 Part 1.1310

Report No.: RDWN97-U3 Rev A (FCC MPE)

**Company:** Radwin Ltd.

**Model Name:** RADWIN 2000 EC00, RADWIN 2000 EI00,  
RADWIN 2000 E CON EC00, RADWIN 2000 E INT EI00

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**To:** FCC CFR 47 Part 1.1310

**Test Report Serial No.:** RDWN97-U3 Rev A (FCC MPE)

This report supersedes: NONE

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## 1. MAXIMUM PERMISSIBLE EXPOSURE

### Calculations for Maximum Permissible Exposure Levels

$$\text{Power Density} = P_d \text{ (mW/cm}^2\text{)} = \text{EIRP}/(4*\pi*d^2)$$

$$\text{EIRP} = P * G$$

P = Peak output power (mW)

G = Antenna numeric gain (numeric)

d = Separation distance (cm)

$$\text{Numeric Gain} = 10 \wedge (G \text{ (dBi)}/10)$$

Because the EUT belongs to the Occupational/Controlled Exposure the limit of power density is 5 mW/cm<sup>2</sup>.

The calculations in the table below use the highest conducted power values (with respect to the limit for the BW mode) together with the highest antenna gains per antenna type (Panel Antenna and Dish Antenna) 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)
4900-5000	22.0	158.49	23.47	222.33	7.01	5.0	23.68
4900-5000	32.0	1584.89	23.47	222.33	70.1	5.0	74.89

From the above assessment the minimum separation distance is **75 cm** per the requirements of FCC Title 47 subpart §1.1310 for Occupational/Controlled Exposure limits.

### Specification - Maximum Permissible Exposure Limits

The Limit is defined in Table 1 of FCC §1.1310 for Occupational/Controlled Exposure.



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