



## REGULATORY COMPLIANCE TEST REPORT

FCC CFR 47 Part 1.1310

Report No.: RDWN98-U4 Rev A (FCC MPE)

**Company:** Radwin

**Model Name:** 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.:** RDWN98-U4 Rev A (FCC MPE)

This report supersedes: None

**Applicant:** Radwin  
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**Issue Date:** 12<sup>th</sup> September 2024

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

Client declared there is no simultaneous transmission in the following frequency bands therefore each band is kept separate for MPE calculation purposes.

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)
5925.0 - 7125.0	24.00	251.19	11.62	14.52	0.72	1.0	17.037
5925.0 - 7125.0	32.00	1584.89	3.62	2.30	0.72	1.0	17.037

Note 1: Per the above assessment the minimum safe distance **20 cm**

Note 2: for mobile or fixed location transmitters the minimum separation distance is 20 cm, even if calculations indicate the MPE distance to be less.

### Specification - Maximum Permissible Exposure Limits

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



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