



REGULATORY COMPLIANCE TEST REPORT

FCC CFR 47 Part 1.1310

Report No.: RDWN99-U4 Rev A (FCC MPE)

Company: Radwin

Model Name: RADWIN 2000 E CON EC10

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To: FCC CFR 47 Part 1.1310

Test Report Serial No.: RDWN99-U4 Rev A (FCC MPE)

This report supersedes: None

Applicant: Radwin
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TESTING CERT #2381.01

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels

Power Density = P_d (mW/cm²) = $EIRP / (4 * \pi * d^2)$

$EIRP = P * G$

P = Peak output power (mW)

G = Antenna numeric gain (numeric)

d = Separation distance (cm)

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

The calculations in the table below use the highest conducted power values together with the lowest & highest antenna gains 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 ²) @ 20cm	Power Density Limit (mW/cm ²)	Min Calculated safe distance for Limit (cm)
5925.0 - 7125.0	28.00	630.96	8.00	6.31	0.79	1.0	17.799
5925.0 - 7125.0	32.00	1584.89	3.97	2.49	0.78	1.0	17.738

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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