



MPE/RF EXPOSURE REPORT

FCC CFR 47 Part 1.1310

Report No: HAYW01-U7 Rev A

Company: Hayward Industries, Inc.

Model Name: G115000318

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To: FCC CFR 47 Part 1.1310

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels

Power Density = Pd (mW/cm²) = EIRP/(4*π*d²)

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 antenna gain specified for the EUT.

Freq. Band (MHz)	Transmit Frequency (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Conducted Output Power (dBm)	Output Power (mW)	Power Density Limit (mW/cm ²)	Calculated Power Density (mW/cm ²) @ 20cm	Power Density Ratio	Min Calculated safe distance for Limit (cm)
902-928	902.2	2.2	1.66	14.13	25.88	0.60	0.0085	0.014	2.38
2400-2483.5	2402	4.7	2.95	18.79	75.68	1.00	0.0444	0.044	4.22

Note 1: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

Note 2: Only one transmitter active at a time.

Conclusion; Equipment meets the RF exposure requirements at minimum separation distance of 20 cm.

Specification - Maximum Permissible Exposure Limits

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

The Limits for General Population/Uncontrolled Exposure apply.

Table 1 to [§ 1.1310\(e\)\(1\)](#)—Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(ii) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30



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