MiCOMLabs®

MPE/RF EXPOSURE REPORT

FCC CFR 47 Part 1.1310

SHOO05-U2 Rev A FCC MPE

Company: Shoof Technologies, Inc.

Model: Egnar

MPE/RF EXPOSURE REPORT

FROM

MiCOMLabs
opening wireless markets

Company: Shoof Technologies, Inc.

Model: Egnar

To: FCC CFR 47 Part 1.1310

Report Serial No.: SHOO05-U2_FCC_MPE Rev A

This report supersedes: NONE

Applicant: Shoof Technologies, Inc.
440 N. Wolfe Rd
Sunnyvale, California
94085
USA

Product Function: Wireless Tag

Issue Date: 21st November 2019

This Report is Issued Under the Authority of:

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TESTING CERT #2381.01

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels

Power Density = Pd (mW/cm^2) = 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 (dBi)/10)

The calculations in the table below use the highest conducted power values together with the highest 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^2) @ 20cm	Power Density Limit (mW/cm^2)	Min Calculated safe distance for Limit (cm)
2400.0 - 2483.5	8.00	6.31	19.73	93.97	0.118	1.00	6.87

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 is defined in Table 1 of FCC §1.1310.

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