# Maximum Permissible Exposure (MPE) Requirement

Applicant: Sure-Fi, Inc.

Job Number / V040810

FCC ID: 2ADZ3C001

This document was prepared in by VPI Laboratories on behalf of the applicant using data collected during testing and information provided by the applicant. Calculations were made and compared to the limits of 47 CFR §1.1310(e) Table 1. The power density is calculated using the following equation.

$$P_d = \frac{P_t\ G^*}{4\pi r^2}$$

$P_d$ = power density in watts
$P_t$ = transmit power in milliwatts
G = numeric antenna gain
r = distance between body and transmitter in centimeters
$*\quad P_t\ G$ = EIRP

The calculated power density of the EUT listed in this application is calculated below.

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|---|---|---|---|
| Max Transmit Power ERP, including tune up tolerance (mW): | 547.0 | Max Antenna Gain (dBi): | 2.6 |
| Operating Frequency (MHz): | 914.75 | (Numeric Antenna Gain): | 1.84 |
| Min Operating Distance (cm): | 20 | Duty Cycle (%): | 100 |
| Power Density ($mW/cm^2$): | | 0.1999 | |
| Limit ($mW/cm^2$): | | 0.6098 | |
| Delta: | | -0.4100 | |