

Maximum Permissible Exposure (MPE) Requirement

Applicant: Hidden Butler

Job Number /
V036629

Model No.: KP003

This document was prepared in by VPI Laboratories on behalf of the applicant using data collected during testing and information provided by the applicant. The SAR Test Exclusion Thresholds of FCC KDB 447498 D01 General RF Exposure Guidance v06, Section 4.3.1, Appendix A, Appendix B, and Appendix C, as applicable, were used in determining compliance. 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

* P_t G = EIRP

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

Max Transmit Power ERP, including tune up tolerance (mW):	414.0	Max Antenna Gain (dBi):	3.2
Operating Frequency (MHz):	902.875	(Numeric Antenna Gain):	2.07
Min Operating Distance (cm):	20	Duty Cycle (%):	100
Power Density (mW/cm ²):		0.17	
Limit (mW/cm ²):		0.60	
Delta:		-0.43	