FCC 15.247 (b)(5)Maximum Permissible Exposure Calculations

Calculations prepared for:

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Calculations prepared by:

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Model Number: T5204e

Fundamental Operating Frequency: 902MHz – 928MHz

Maximum Rated Output Power: 1.00 Watt
Measured Output Power: 836.57 mW

MPE Limit in accordance with 1.1310(b): Limits for general population/uncontrolled exposure

MPE Limit = .601 (mW/cm^2)

EIRP (mW)	Distance (cm)	Power Density (mW/cm^2)	Result
836.57mW	**10.52**	**.601**	**Pass**

$$PowerDensity(mW/cm^2) = \frac{EIRP}{4\pi d^2}$$ Given: **EIRP** in *mW* and **d** in *cm*

Under normal operating conditions, the antenna is designed to maintain a separation distance of greater than 20cm from all persons. As can be seen from the MPE results, this device passes the limits specified in 1.1310 at a distance of 10.52cm and at a output power of 836.57 mW.