

# MPE CALCULATION

**For Zebra Technologies – Thermal Card Printer; Model: P330i**

**FCC ID: I28-P330I-UHF**

RF Exposure Requirements:	47 CFR §1.1307(b)
RF Radiation Exposure Limits:	47 CFR §1.1310
RF Radiation Exposure Guidelines:	FCC OST/OET Bulletin Number 65 / 47 CFR §2.1091
EUT Frequency Band:	13.56 MHz
Limits for General Population/Uncontrolled Exposure in the band of:	1.34 – 30 MHz
Power Density Limit:	0.979 mW/ cm <sup>2</sup> ;

Equation:  $S = PG / 4\pi R^2$  or  $R = \sqrt{PG / 4\pi S}$

Where, S = Power Density

P = Power Input to Antenna

G = Antenna Gain

R = distance to the center of radiated antenna

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Frequency: 13.56 MHz, ERP = -41.85dBm, Prediction distance 20cm

$S = 0.00000001299 \text{ mW/cm}^2$

## Result

The Above Result had shown that Device complied with 0.979 mW/cm<sup>2</sup> Power density requirement for distance of 20cm.

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Date : April 10, 2008