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Object: RF exposure info for A528B (Muon - Compact Embedded UHF RFID Reader)
FCC ID: UVECAENRFID016

Prediction of Maximum Permissible Exposure (MPE) limit at a given distance has been performed according to Prediction Methods described in Section 2 of OET Bulletin 65, Edition 97-01.

$$\frac{P \cdot G}{4 \cdot \pi \cdot R^2}$$

Where: S = power density (in appropriate units, e.g. mW/cm^2)
P = power input to the antenna (in appropriate units, e.g., mW)
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

MPE limit has been calculated according to General Population/Uncontrolled rules.

Frequency (MHz)	902
MPE limit (mW/cm^2)	0.60
Maximum conducted power (mW)	500
Maximum conducted power (dBm)	27.0
Antenna gain (dBi)	3
Maximum EIRP (dBm)	30.0
Maximum EIRP (mW)	997.6
Prediction distance (cm)	20
Maximum power density at prediction distance (mW/cm^2)	0.198
Maximum antenna allowable gain (dBi)	7.81