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Viareggio July 1st, 2014

Object: RF exposure info for R1170IUAPLP - qIDmini Keyfob Bluetooth UHF RFID Reader (FCC) with Apple profile and R1170IUHIDP - qIDmini Keyfob Bluetooth UHF RFID Reader (FCC) with HID profile
FCC ID: UVECAENRFID017

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/cm2)
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.

- RFID ANTENNA

Frequency (MHz)	902
MPE limit (mW/cm^2)	0.60
Maximum conducted power (mW)	500
Maximum conducted power (dBm)	27.0
Internal antenna gain (dBi)	-3
Maximum EIRP (dBm)	24.0
Maximum EIRP (mW)	250.6
Prediction distance (cm)	20
Maximum power density at prediction distance (mW/cm^2)	0.050

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- BLUETOOTH ANTENNA

Frequency (MHz)	2480
MPE limit (mW/cm^2)	1.00
Maximum EIRP (dBm)	5.5
Maximum EIRP (mW)	3.6
Prediction distance (cm)	20
Maximum power density at prediction distance (mW/cm^2)	0.0007