

Apparatus: i-Q350L RTLS A
FCC ID: OO4-ILR-IQ350LS

RF Exposure Considerations for FCC ID: OO4-ILR-IQ350LS

The calculation of the MPE is as following:

Prediction of MPE limit at a prediction distance:

$$S = \frac{P \cdot G}{4 \cdot \pi \cdot R^2} = \frac{E.I.R.P.}{4 \cdot \pi \cdot R^2}$$

S: Power density (mW/cm²)

P: Peak output power at antenna terminal (mW)

G: Numerical Antenna gain

R: Distance of radiation to antenna (cm)

MPE calculation (For each transmitter, both cannot transmit simultaneously)

<i>Frequency (MHz)</i>	<i>Maximum E.I.R.P. (mW)</i>	<i>R (cm)</i>	<i>Power Density S (mW/cm²)</i>	<i>MPE limit (mW/cm²)</i>	<i>Verdict</i>
903.0	1.35	20	0.269×10^{-3}	0.6	<i>Below MPE limit for uncontrolled exposure</i>
915.0	1.35	20	0.269×10^{-3}	0.6	<i>Below MPE limit for uncontrolled exposure</i>
927.0	1.35	20	0.269×10^{-3}	0.6	<i>Below MPE limit for uncontrolled exposure</i>

<i>Frequency (MHz)</i>	<i>Maximum E.I.R.P. (mW)</i>	<i>R (cm)</i>	<i>Power Density S (mW/cm²)</i>	<i>MPE limit (mW/cm²)</i>	<i>Verdict</i>
2441.75	109.6	20	0.022	1.0	<i>Below MPE limit for uncontrolled exposure</i>

COORDONNEES

SMEE
Rue de Taille – ZI Des Blanchisseries
38500 VOIRON - France

TEL : 04 76 65 76 50
FAX : 04 76 66 18 30

SAS au capital de 50 000 € / RC Grenoble B534 796 453 / SIRET 534 796 453 00015 / code APE 7490B / n° TVA : FR 59 534 796 453



Conclusion: Therefore the device complies with FCC's RF radiation exposure limits for general population for a mobile device.

Certified By

Laurent CHAPUS (Agent for this device)

SMEE – CE Mesures

Rue de Taille

ZI des Blanchisseries

38500 Voiron - France

laurent.chapus@smee.fr

FCC Registration Number: 0020356952 (FRN) / Test Firm Registration Number: 171131

Applicant for this device:

IDENTEC SOLUTIONS AG

Mr. Karl-Heinz Feierle

Millennium Park 2

A-6890 Lustenau - Austria

Ph: +43 5577 87387 0

Fax: +43 5577 87387 15

FRN: 0006172258 / IC Company Number: 3538A