

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:

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

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



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

A handwritten signature in black ink, appearing to read "Laurent Chapus", positioned to the right of the contact information.

Applicant for this device:

IDENITEC 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