America

Certification Exhibit

FCC ID: 2AN99AR303

FCC Rule Part: 47 CFR Part 2.1091

TÜV SÜD Report Number: RD72135459.302

Manufacturer: IntraPosition
Model: AR303

RF Exposure

General Information:

Applicant: IntraPosition
Device Category: Mobile
Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Dielectric chip antenna
Antenna Gain: 2.73 dBi
Maximum Transmitter Conducted Power: -5.26 dBm, 0.30 mW
Maximum System EIRP: -2.53 dBm, 0.56 mW
Exposure Conditions: 20 centimeters or greater

MPE Calculation

The Power Density (mW/cm^2) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

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)

Table 1: MPE Calculation

Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (mW/Cm2)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm^2)
3993.776	-5.26	1.00	0.30	2.73	1.875	20	0.000