



Certification Exhibit

FCC ID: 2AKUXID2

FCC Rule Part: 47 CFR Part 2.1093

Project Number: 72153565

Manufacturer: Federal Express Corporation
Model: FedEx ID Node 2

RF Exposure

General Information:

Applicant: Federal Express Corporation
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Printed Trace Antenna
 Antenna Gain: 0 dBi
 Maximum Transmitter Conducted Power: 2.3dBm, 1.7mW
 Maximum System EIRP: 2.3dBm, 1.7mW
 Exposure Conditions: Greater than 20 centimeters

MPE Calculation

The Power Density (mW/cm²) 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/cm ²)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm ²)
2402	2.3	1.00	1.70	0	1.000	20	0.000338