



Certification Exhibit

FCC ID: 2AUSA-CC1WR

FCC Rule Part: 47 CFR Part 2.1093

Project Number: 72153193

Manufacturer: Flintec, Inc.
Model: CC1WR

RF Exposure

General Information:

Applicant: Flintec Inc
Device Category: Mobile
Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: PCB Antenna (Molex, P/N: 146187)
Antenna Gain: 3.2dBi
Maximum Transmitter Conducted Power: 13.5dBm, 22.39mW
Maximum System EIRP: 16.7dBm, 46.77mW
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)
2470	13.5	1.00	22.39	3.2	2.089	20	0.009