# 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 ($mW/cm^2$) 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 ($mW/cm^2$) | 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 |