



Excellence in Compliance Testing

Certification Exhibit

FCC ID: 2ABLX-150562Z

FCC Rule Part: 15.247

ACS Project Number: 15-0413

Manufacturer: Qmotion Incorporated
Model: QM150562Z

RF Exposure

General Information:

Applicant: Qmotion Incorporated
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Inverted Meandering F-Antenna
 Antenna Gain: 3.3dBi
 Maximum Transmitter Conducted Power: -2.07 dBm, 0.62 mW
 Maximum System EIRP: 1.23 dBm, 1.33 mW
 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)

MPE Calculator for Mobile Equipment Limits for General Population/Uncontrolled Exposure*							
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)
2405	-2.07	1.00	0.62	3.3	2.138	20	0.0003