



Excellence in Compliance Testing

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## **Certification Exhibit**

**FCC ID: 2ABLX-150560Z**

**FCC Rule Part: 15.247**

**ACS Project Number: 15-0413**

Manufacturer: Qmotion Incorporated  
Model: QM150560Z

## **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: 4.84 dBm, 3.05 mW  
 Maximum System EIRP: 8.14 dBm, 6.52 mW  
 Exposure Conditions: Greater than 20 centimeters

**MPE Calculation**

The Power Density (mW/cm<sup>2</sup>) is calculated as follows:

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

Where:

S = power density (in appropriate units, e.g. mW/cm<sup>2</sup>)

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 <sup>2</sup> )	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )
2405	4.84	1.00	3.05	3.3	2.138	20	0.001