

US Tech Test Report:
FCC ID:
IC:
Test Report Number:
Issue Date:
Customer:
Model:

FCC Part 15 Certification/ RSS 247
2ABLX-140704
8832A-140704
15-0312
January 5, 2015
Qmotion Incorporated
QM140704

MPE and SAR Threshold Requirements

Highest Gain Antenna (Trace Antenna) = 5.14 dBi

Peak Power (dBm)= 18.72 (highest measured output power level)
Gain of Transmit Antenna = 5.14 dBi
Distance = 190 mm
time based average= Duty Cycle = 66%

Total source based time average= (Pwr dBm) + (Ant gain dBi) * time based average

$$18.72 \text{ dBm} + 5.14 \text{ dBi} = 23.9 \text{ dBm} (245.5 \text{ mW}) * 0.66 = 162.03 \text{ mW}$$

which is << less than 1496 mW for FCC @ 190 mm
which is << less than 309 mW for IC @ > 50 mm