

**Apparatus: WIZZILAB DASH7 RF MODULE**  
**RF Exposure Considerations for FCC ID: 2ARZVWM**

**The calculation of the MPE is as following:**

Prediction of MPE limit at a prediction distance:

$$S = \frac{P.G}{4.\pi.R^2} = \frac{E.I.R.P}{4.\pi.R^2}$$

S: Power density (mW/cm<sup>2</sup>)

P: Peak output power at antenna terminal (mW)

G: Numerical Antenna gain

R: Distance of radiation to antenna (cm)

MPE

F = 903.9 / 908.3MHz

P = 41.7mW (14dBm + 2.2dBi)

GidB = 2.2dBi

R= 20cm

**S=0.0083mW/cm<sup>2</sup>**

MPE limit for uncontrolled exposure: 0.6mW/cm<sup>2</sup>

→ Below MPE limit

*Conclusion: Therefore the device complies with FCC's RF radiation exposure limits for general population for a mobile device.*

**Certified By**

**Laurent CHAPUS (Agent for this device)**

SMEE

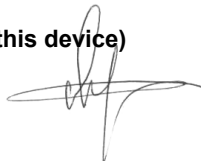
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