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*FCC-ID : AZDK30356*

**Maximum Permissible Exposure calculation**

Dear Mr. Vos,

please find here our Maximum Permissible Exposure calculations for the  
CANON 30356.

Best Regards

i.V.



Carsten Steinröder

### **Maximum Permissible Exposure**

(as specified in Table 1B of 47 CFR 1.1310 – Limits for Maximum Permissible Exposure (MPE), Limits for General Population/Uncontrolled Exposure)

<i>Frequency range (MHz)</i>	<i>Power density (mW/cm<sup>2</sup>)</i>
300 – 1,500	f/1500
1,500 – 100,000	1.0

### **Calculations 2400-2483.5 MHz band**

Maximum peak output power at antenna input terminal for WiFi module:

0.165 W

Prediction distance **R**: 20 cm  
Prediction frequency: 2.4 GHz  
Prediction Antenna Gain **G**: 1.08 dBi

MPE limit **S**: 1 mW/cm<sup>2</sup>

Equation OET bulletin 65, page 18, edition 97-01:  $S = P \cdot G / (4\pi R^2)$

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the centre of radiation of the antenna

Maximum permissible power density: **0.00421 mW/cm<sup>2</sup>**

=> Delta to MPE Limit: **0.9579 mW/cm<sup>2</sup>**