



## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	Wireless Monitoring System
Model Name	WPM-300
FCC ID	WRAWPM-300TX

### 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR.}$

Where  $f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

### 3. CALCULATION

Wireless microphones:

$$P_t = 12.765 \text{ dBm} = 18.90 \text{ mW}$$

The result for RF exposure evaluation  $\text{SAR} = (18.90 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{0.5504 \text{ (GHz)}}] = 2.79 < 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR.}$

### 4. CONCLUSION

The SAR evaluation is not required.

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Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: <http://www.agccert.com/>