

## RF Exposure Evaluation

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Project Number: 01069-10

Prepared for:

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By

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### TYPE CERTIFICATION

**Wireless Speakers Transmitter**  
**Model Number WS920**

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The **Wireless Speakers Transmitter** operates under Part 15 and is classified as a “Mobile Device” by the guidance given in 47 CFR 2.1091 and OET Bulletin 65, which states:

“Transmitting devices designed to be used by consumers or workers that can be easily re-located, such as wireless devices associated with a personal computer and transportable cellular telephones (“bag” phones), are considered to be mobile devices if they meet the 20 centimeter separation requirement.”

The **Wireless Speakers Transmitter** meets this description including the requirement that it be used more than 20 centimeters from the user.

“...are subject to routine environmental evaluation for RF exposure use if they operate at frequencies of 1.5 GHz or below and their effective radiated power (ERP) is 1.5 watts or more...”

The **Wireless Speakers Transmitter** has a typical output power of 0 dBm or 1 mW. The peak, measured power in the fundamental was 100.4 dB (uV/m). Using the formula:

$$P = .3 V^2$$

The measured power is 0.329 mW in the fundamental. This measurement is clearly well below the requirement. Therefore, a routine environmental evaluation for RF exposure is not required.