

## RF Exposure / MPE Calculation

**No. : 28CE0018-HO-01**

<b>Applicant</b>	:	<b>Sony Corporation</b>
<b>Type of Equipment</b>	:	<b>Wireless transceiver</b>
<b>Model No.</b>	:	<b>EZW-RT10</b>
<b>FCC ID</b>	:	<b>AK8A1368101A</b>
<b>IC Number</b>	:	<b>409B-A1368101A</b>

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Sony Corporation declares that Model : EZW-RT10  
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The “EZW-RT10“ has 14.62 mW of conducted Peak Output power and 23.71 mW of EIRP.  
This kind of equipment is below 60/frequency[GHz] mW(TCB Exclusion List)  
so that SAR testing is excluded. The Following calculation is the reference data for 20cm distance.

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the “EZW-RT10“ as calculated from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0mW/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

<b>P =</b>	<b>14.62 mW (Maximum peak output power)</b>
<b>G =</b>	<b>1.62 Numerical Antenna gain; equal 2.10 dBi</b>
<b>r =</b>	<b>20.0 cm</b>

For: EZW-RT10

$$S = 0.00472 \text{ mW/cm}^2$$

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