

## RF Exposure / SAR Statement

**No. : 31AE0081-YK-01-A**

**Applicant** : Sony EMCS Corporation Kisarazu TEC  
**Type of Equipment** : Bluetooth Audio System  
**Model No.** : MEX-BT2900  
**FCC ID** : AK8MEXBT2900

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Sony EMCS Corporation Kisarazu TEC declares that Model : Bluetooth Audio System complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "MEX-BT2900" has 1.54 mW of conducted Peak Output power and 1.54 mW of EIRP. This equipment is considered as a mobile device 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 "MEX-BT2900" 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

**P = 1.54 mW (Maximum peak output power)**  
**G = 1.00 Numerical Antenna gain; equal -0.01 dBi**  
**r = 20.0 cm**

**For: MEX-BT2900**

$$S = 0.00031 \text{ mW/cm}^2$$

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