

## **RF Exposure / MPE Statement**

**No. : 27DE0029-HO**

**Applicant** : Sony Corporation  
**Type of Equipment** : BLUETOOTH WIRELESS AUDIO ADAPTER  
**Model No.** : TDM-BT1  
**FCC ID** : AK887532821X

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Sony Corporation declares that Model : TDM-BT1  
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The "TDM-BT1" has 1.24 mW of conducted Peak Output power and 1.57 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 "TDM-BT1" 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 = 1.24 mW (Maximum peak output power)**  
**G = 1.26 Numerical Antenna gain; equal 1.00 dBi**  
**r = 20.0 cm**

**For: TDM-BT1**

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

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