

## RF Exposure / SAR Statement

**No. : 29LE0210-YK-A**

**Applicant** : Sony EMCS Corporation Kisarazu TEC  
**Type of Equipment** : Wireless Audio Receiver  
**Model No.** : DRC-BT30  
**FCC ID** : AK8DRCBT30

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Sony EMCS Corporation Kisarazu TEC declares that Model : Wireless Audio Receiver complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093. The "DRC-BT30" has 1.58 mW of conducted Peak Output power and 2.51 mW of EIRP. This kind of equipment is below 60/frequency[MHz] W (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 "DRC-BT30" 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 = 1.58 mW (Maximum peak output power)**  
**G = 1.58 Numerical Antenna gain; equal 2.00 dBi**  
**r = 20.0 cm**

**For: DRC-BT30**

$$S = 0.00050 \text{ mW/cm}^2$$

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***UL Japan, Inc.***

***YAMAKITA EMC LAB.***

907 Kawanishi, Yamakita-machi, Ashigarakami-gun, Kanagawa-ken, 258-0124 JAPAN

Telephone: +81 465 77 1011 Facsimile: +81 465 77 2112