

Declaration on radiation safety standard conformance

To whom it may concern:

Taiyo Yuden Co., Ltd., EMC Center
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declares that the following product

Description	:	Complete Class 2 Bluetooth Module
FCC ID	:	RYYEYSMJCS
Manufacturer	:	Taiyo Yuden Co., Ltd.
Brand	:	Taiyo Yuden Co., Ltd.
Model	:	EYSMJCS

has a maximum e.i.r.p. of 3.0 dBm (2 mW, maximum conducted output power of 1 dbm plus antenna gain of 2 dBi) in the frequency range of 2400 – 2483.5 MHz, which means that the worst case prediction of power density (100% reflection) at 20 cm distance (worst case) can be calculated as follows :

$$S = \frac{EIRP}{4 * \pi * R^2} \quad (\text{power density without reflection})$$

$$S = \frac{2^2 * EIRP}{4 * \pi * R^2} \quad (\text{power density with 100\% reflection})$$

$$S = \frac{2^2 * EIRP}{4 * \pi * R^2} = \frac{2 \text{ mW}}{\pi * (20\text{cm})^2} = 0.002 \text{ mW/cm}^2 \quad (\text{limit} = 1.0 \text{ mW/cm}^2)$$

This means that according to OET Bulletin 65 (Edition 97-01), Supplement C (Edition 01-01), the equipment fulfills the requirements on power density for general population/uncontrolled exposure and therefore fulfills the requirements of 47 CFR Part 15.247 (b)(5).