— RF Exposure Statement —

Bluetooth specification

FCC Caution

CAUTION : In order to comply with FCC radio-frequency radiation exposure guidelines for an uncontrolled exposure,this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

IC(Industry Canada) Caution

CAUTION : The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.
"Operation of this device is subject to the following two conditions: (1)this device may not cause interference,and (2)this device must accept any interference,including interference that may cause undesired operation of the device."
"The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population;consult Safety Code 6,obtainable from Health Canada's website www.hc-sc.gc.ca/rpb"

CE

・Hereby,SATO CORPORATION,declares that this MB400 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. CE0681①

If you want to get a copy of the original Declaration of Conformity of our products which relates the R&TTE, please contact to web address :www.barcodesato.com.

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RF Exposure Calculation

Exposure of Humans to RF Fields Requirements

Applicant : **Sato Corporation**
Type of Equipment : **BARCODE PRINTER**
Model No. : **MB400**
FCC ID : **MMFMB400**

Regulations Applied : **CFR 47 FCC 15.247(b)(5)**
References Documents : **CFR 47 FCC 1.1307(b), 1.1310, 2.1093 and OET65 Supplement C**

RF Exposure Calculations :

The following minimum separation distance between the EUT's antenna and the human body was calculated in accordance with FCC OET65 Appendix B Table(B) "Limit for General Population / Uncontrolled Exposure".

The maximum permissible exposure level is defined with 1mW/cm^2.

The minimum separation distance where the exposure level reaches the permitted level can be calculated as bellow:

$$S = P*G/4\pi R^2 \qquad \because R = \sqrt{P*G/4\pi S}$$

Where:

R = minimum separation distance in cm
P = 0.414 mW (Max. conducted output power at antenna terminal)
G = 1.64(numeric gain) = 2.14 dBi(Max. antenna Gain)
S = 1.0 mW/cm^2 for 2.4 GHz (Max. permissible exposure level)

Then minimum separation distance is 0.232 cm.

Summary:

The EUT complies with the RF exposure requirement of the above regulation.

Masaaki Takahashi
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