

## **RF Exposure / MPE Calculation**

**No. : 31CE0169-HO-02**

**Applicant :** Murata Manufacturing Co., Ltd.  
**Type of Equipment :** Communication Module (Bluetooth part)  
**Model No. :** LBEE69QSYC  
**FCC ID :** VPYLBSY

---

Murata Manufacturing Co., Ltd. declares that Model : LBEE69QSYC  
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the “LBEE69QSYC” 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 = 0.98 mW (Maximum peak output power)**  
**G = 2.02 Numerical Antenna gain; equal to 3.05 dBi**  
**r = 20.0 cm**

**For: LBEE69QSYC**

$$S = 0.00039 \text{ mW/cm}^2$$

---

**UL Japan, Inc.**

**Head Office EMC Lab.**

**4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN**

**Telephone : +81 596 24 8116**

**Facsimile : +81 596 24 8124**