

## **RF Exposure for Mobile use**

**No. : 27AE0193-YK-A**

**Applicant : MINEBEA CO., LTD.**  
**Type of Equipment : Wireless Keyboard**  
**Model No. : VGP-WKB6XX**  
**FCC ID : AQ6-VGPWKB6**

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MINEBEA CO., LTD. declares that Model : Wireless Keyboard complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "VGP-WKB6XX" has 0.42 mW of conducted Peak Output power and 0.67 mW of EIRP. The Following calculation is the reference data for 20cm distance for mobile use.

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "VGP-WKB6XX" 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 = 0.42 mW (Maximum peak output power)**  
**G = 1.58 Numerical Antenna gain; equal 2.00 dBi**  
**r = 20.0 cm**

**For: VGP-WKB6XX**

$$S = 0.00013 \text{ mW/cm}^2$$