

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

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/cm² 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

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