



**Neutron Engineering Inc.**

# **FCC RF EXPOSURE REPORT**

## **FCC ID: 2AAP800002**

**Project No. : 1402C181**  
**Equipment : MINI PORTABLE BLUETOOTH SPEAKER**  
**Model : BTV2**  
**Applicant : Guoguang Electric Co.,Ltd.**  
**Address : No.8 Jinghu Road, Xinhua Street, Huadu Reg,  
Guangzhou, China**

**According: : FCC Guidelines for Human Exposure IEEE C95.1**

***Neutron Engineering Inc.***

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## MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Field Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	Internal	N/A	-0.3956	TX/RX



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Maximum measured transmitter power:

Output Power (dBm)	Out Power (mW)	Limit (mW)
4.34	2.72	10

According to FCC KDB447498 V05, Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and  $\leq 50$  mm

The maximum measured output peak power of this EUT is 2.72 mW(47.99dBuV/m), therefore all of them are less than 10mW at 5mm distance.

**Conclusion: No SAR evaluation required since transmitter power is below FCC threshold**