



**Neutron Engineering Inc.**

# **FCC RF EXPOSURE REPORT**

## **FCC ID: 2AAP800004**

**Project No. : 1402C154**  
**Equipment : Bluetooth Audio Receiver**  
**Model : BTR1**  
**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.***

***No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.***

***TEL : (0769) 8318-3000 FAX : (0769) 8319-6000***



## 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	Printed	N/A	1.88	TX/RX



## **Neutron Engineering Inc.**

Maximum measured transmitter power:

Output Power (dBuV/m)	Out Power (mW)	Limit (mW)
46.09	3.71	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 3.71 mW, therefore all of them are less than 10mW at 5mm distance.

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