



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.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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



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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 ≤ 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