Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: ACJ-SC-HTB8

Project No.	:	1401C053
Equipment	:	BT Module
Model	:	BM830
Applicant	:	Panasonic Corporation
Address	:	Two Riverfront Plaza, 9th Floor, Newark, New Jersey , 07102-5490
According:	:	**FCC Guidelines for Human Exposure IEEE C95.1**

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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.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PIFA	N/A	2.12

GENERAL CONCULUSION:

Maximum measured transmitter power:

Output Power (dBm)	Output Power (mW)	Limit (mW)
3.74	2.4	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 2.4 mW, less than 10mW at 5mm distance.

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