



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: SAH-GIN-BM81SPK01

Project No. : 1302C133
Equipment : Bluetooth 3.0 + EDR module
Model : BM81SPK01
Applicant : Group Intellect Technology Limited
Address : Room 414, Lippo Sun Plaza, 28 Carton Road, TST, KLN, Hong Kong

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

Ant.	Brand name	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Printed Antenna	N/A	2.0

TEST RESULTS

EUT:	Bluetooth 3.0 + EDR module	Model Name :	BM81SPK01
Temperature:	24 °C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH39 /CH78 -1Mbps		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2	1.5849	-0.41	0.9099	0.00028705	1	Complies
2	1.5849	-0.36	0.9204	0.00029037	1	Complies
2	1.5849	-0.24	0.9462	0.00029850	1	Complies

EUT:	Bluetooth 3.0 + EDR module	Model Name :	BM81SPK01
Temperature:	24 °C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH39 /CH78 -3Mbps		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2	1.5849	-2.13	0.6124	0.00019317	1	Complies
2	1.5849	-1.89	0.6471	0.00020415	1	Complies
2	1.5849	-1.62	0.6887	0.00021725	1	Complies