

FCC RF EXPOSURE REPORT

FCC ID: UZZBTBE1A

Project No. : 1604C186
Equipment : Bluetooth Module
Model : BTBE1A
Applicant : Beautiful Enterprise Co.
**Address : 27th Floor, Beautiful Group Tower, 77
Connaught Road Central, Hong Kong**

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

B T L I N C .

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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 Filed Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	printed	N/A	1.37

TEST RESULTS

EUT :	Bluetooth Module	Model Name :	BTBE1A
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE_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
1.37	1.3709	2.27	1.6866	0.00046020	1	Complies
1.37	1.3709	1.35	1.3646	0.00037235	1	Complies
1.37	1.3709	-0.34	0.9247	0.00025232	1	Complies

EUT :	Bluetooth Module	Model Name :	BTBE1A
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE_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
1.37	1.3709	1.71	1.4825	0.00040453	1	Complies
1.37	1.3709	0.49	1.1194	0.00030546	1	Complies
1.37	1.3709	-1.1	0.7762	0.00021181	1	Complies

Note: the calculated distance is 20 cm.