

FCC RF EXPOSURE REPORT

FCC ID: UZZWB9805B1

Project No. : 1506C193
Equipment : Bluetooth Module
Model : WB-9805B1
Applicant : Beautiful Enterprise Co., Ltd.
**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 .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.
TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

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.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Printed	N/A	1.84

TEST RESULTS

EUT :	Bluetooth Module	Model Name :	WB-9805B1
Temperature :	26 °C	Relative Humidity:	60 %
Test Voltage :	DC 5V		
Test Mode :	TX_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
1.84	1.5276	1.77	1.5031	0.00045704	1	Complies
1.84	1.5276	2.14	1.6368	0.00049768	1	Complies
1.84	1.5276	2.08	1.6144	0.00049085	1	Complies

EUT :	Bluetooth Module	Model Name :	WB-9805B1
Temperature :	26 °C	Relative Humidity:	60 %
Test Voltage :	DC 5V		
Test Mode :	TX_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
1.84	1.5276	2.42	1.7458	0.00053082	1	Complies
1.84	1.5276	2.3	1.6982	0.00051636	1	Complies
1.84	1.5276	1.95	1.5668	0.00047638	1	Complies

Note: the calculated distance is 20 cm.