

FCC RF EXPOSURE REPORT

FCC ID: A3LBTM2015

Project No. : 1507C021
Equipment : BLUE TOOTH MODULE
Model : BTM2015
Applicant : Samsung Electronics Co Ltd
**Address : 19 Chapin Rd., Building D, Pine Brook, New
Jersey, United States**

**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:

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

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 Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	N/A	N/A	printed	N/A	0.76	

TEST RESULTS

EUT :	BLUE TOOTH MODULE	Model Name :	BTM2015
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX 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
0.76	1.1912	5.41	3.4754	0.00082404	1	Complies
0.76	1.1912	6.12	4.0926	0.00097040	1	Complies
0.76	1.1912	4.64	2.9107	0.00069016	1	Complies

EUT :	BLUE TOOTH MODULE	Model Name :	BTM2015
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX 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
0.76	1.1912	3.61	2.2961	0.00054444	1	Complies
0.76	1.1912	5.07	3.2137	0.00076199	1	Complies
0.76	1.1912	2.91	1.9543	0.00046339	1	Complies

Note: the calculated distance is 20 cm.