FCC RF EXPOSURE REPORT

FCC ID: EMOIBT69N

Project No.	**: 1609C169**
Equipment	**: Bluetooth Rechargeable Speaker**
Model	**: iBT69, iBT69, iBT69N, iBT69B, iBT69X**
Applicant	**: SDI TECHNOLOGIES INC.**
Address	**: 1299 Main Street, Rahway, NJ 07065, U.S.A**
According:	**: FCC Guidelines for Human Exposure IEEE C95.1**

BTL INC.

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:

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

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)
1	N/A	N/A	PCB	N/A	0

TEST RESULTS

EUT：	Bluetooth Rechargeable Speaker	Model Name :	iBT69
Temperature：	25 ℃	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	1.0000	5.12	3.2509	0.00065	1	Complies
0	1.0000	5.68	3.6983	0.00074	1	Complies
0	1.0000	6.36	4.3251	0.00086	1	Complies

EUT：	Bluetooth Rechargeable Speaker	Model Name :	iBT69
Temperature：	25 ℃	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	1.0000	5.51	3.5563	0.00071	1	Complies
0	1.0000	6.03	4.0087	0.00080	1	Complies
0	1.0000	6.73	4.7098	0.00094	1	Complies

Note: the calculated distance is 20 cm.