

FCC RF EXPOSURE REPORT

FCC ID: 2AANUBT50

Project No. : 1412C038A
Equipment : Wireless Portable Speaker
Model : BT50B/37; BT50A/37; BT50G/37; BT50L/37;
BT50W/37
Applicant : WOOX Innovations Ltd.
Address : 5/F-6/F, Philips Electronics Building, 5 Science
Park East Avenue, Hong Kong Science Park,
Shatin, New Territories, HongKong

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.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Printed	N/A	0

TEST RESULTS

EUT :	Wireless Portable Speaker	Model Name :	BT50B/37
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	1.0000	-1.04	0.7870	0.00015666	1	Complies
0	1.0000	-2.1	0.6166	0.00012273	1	Complies
0	1.0000	-3.14	0.4853	0.00009659	1	Complies

EUT :	Wireless Portable Speaker	Model Name :	BT50B/37
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	1.0000	-1.04	0.7870	0.00015666	1	Complies
0	1.0000	-2.1	0.6166	0.00012273	1	Complies
0	1.0000	-3.14	0.4853	0.00009659	1	Complies

Note: the calculated distance is 20 cm.