

FCC RF EXPOSURE REPORT

FCC ID: QWI-MXABTRX

Project No. : 1607C288B
Equipment : Bluetooth Controller
Model : MXABTRX
Applicant : AFCO INC.
**Address : P.O.BOX 177 Memphis Tennessee United
States 38101**

**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	SHENZHENSHIKIN GFROM TECHNOLOGY. CO., LTD	F-6888	Printed	N/A	0

TEST RESULTS

EUT :	Bluetooth Controller	Model Name :	MXABTRX
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	2.91	1.9543	0.00039	1	Complies
0	1.0000	3.95	2.4831	0.00049	1	Complies
0	1.0000	2.85	1.9275	0.00038	1	Complies

EUT :	Bluetooth Controller	Model Name :	MXABTRX
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	2.78	1.8967	0.00038	1	Complies
0	1.0000	3.8	2.3988	0.00048	1	Complies
0	1.0000	2.8	1.9055	0.00038	1	Complies

Note: the calculated distance is 20 cm.