

FCC RF EXPOSURE REPORT

FCC ID:2AC4M-MC-01

Project No. : 1409003
Equipment : MobiTV Connect
Model : MC-01, MC-XX (X=0-9, A-Z, Blank, or "-")
Applicant : MobiTV, Inc.
**Address : 6425 Christie Avenue., 5th floor, Emeryville,
CA 94608, USA**

**According: : FCC Guidelines for Human Exposure IEEE
C95.1**

BTL Inc.

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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	Ethertronics	5001787	PIFA	N/A	4.5	
1	Tongda	N/A	PIFA	N/A	2.3	

TEST RESULTS

EUT :	MobiTV Connect	Model Name :	MC-01
Temperature :	22 °C	Relative Humidity:	60 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

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
4.5	2.8184	17.37	54.5758	0.03061614	1	Complies
4.5	2.8184	17.04	50.5825	0.02837595	1	Complies
4.5	2.8184	16.67	46.4515	0.02605856	1	Complies

EUT :	MobiTV Connect	Model Name :	MC-01
Temperature :	22 °C	Relative Humidity:	60 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

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
4.5	2.8184	22.31	170.2159	0.09548835	1	Complies
4.5	2.8184	22.82	191.4256	0.10738667	1	Complies
4.5	2.8184	22.56	180.3018	0.10114639	1	Complies

EUT :	MobiTV Connect	Model Name :	MC-01
Temperature :	22 °C	Relative Humidity:	60 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N20 MODE /CH01, CH06, CH11		

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
4.5	2.8184	21.92	155.5966	0.08728716	1	Complies
4.5	2.8184	22.25	167.8804	0.09417820	1	Complies
4.5	2.8184	22.65	184.0772	0.10326434	1	Complies

Note: the calculated distance is 20 cm.