

FCC RF EXPOSURE REPORT

FCC ID: ATMXCM56

Project No. : 1603C194
Equipment : CD RECEIVER SYSTEM
Model : X-CM56
Applicant : Onkyo Corporation
Address : 2-1 Nisshin-cho, Neyagawa-shi Osaka
572-8540 Japan
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.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	PCB	N/A	2.3

TEST RESULTS

EUT :	CD RECEIVER SYSTEM	Model Name :	X-CM56
Temperature :	25 °C	Relative Humidity:	60 %
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
2.3	1.6982	0.70	1.1749	0.00039715	1	Complies
2.3	1.6982	-0.13	0.9705	0.00032806	1	Complies
2.3	1.6982	-1.33	0.7362	0.00024886	1	Complies

EUT :	CD RECEIVER SYSTEM	Model Name :	X-CM56
Temperature :	25 °C	Relative Humidity:	60 %
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
2.3	1.6982	1.18	1.3122	0.00044356	1	Complies
2.3	1.6982	0.45	1.1092	0.00037493	1	Complies
2.3	1.6982	-0.58	0.8750	0.00029577	1	Complies

Note: the calculated distance is 20 cm.