

# **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 .**

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:

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

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.	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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	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.