

# **FCC RF EXPOSURE REPORT**

**FCC ID: ATMXEM26**

**Project No. : 1606C147**  
**Equipment : CD Receiver System**  
**Model : X-EM26**  
**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.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	PIFA	N/A	1.96

## TEST RESULTS

EUT :	CD Receiver System	Model Name :	X-EM26
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
1.96	1.5704	6.26	4.2267	0.00132114	1	Complies
1.96	1.5704	6.19	4.1591	0.00130002	1	Complies
1.96	1.5704	6.09	4.0644	0.00127043	1	Complies

EUT :	CD Receiver System	Model Name :	X-EM26
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
1.96	1.5704	6.19	4.1591	0.00130002	1	Complies
1.96	1.5704	5.74	3.7497	0.00117206	1	Complies
1.96	1.5704	6.09	4.0644	0.00127043	1	Complies

Note: the calculated distance is 20 cm.