FCC RF EXPOSURE REPORT

FCC ID: 2AANUCSS5530

Project No.	**: 1507C061**
Equipment	**: Cinema Speaker**
Model	**: CSS5530B/37; CSS5530X/****
Applicant	**: Gibson Innovations Limited**
Address	**: 5/F-6/F PHILIPS ELECTRONICS BLDG 5 SCIENCE PARK AVE HONG KONG SCIENCE PARK NT**
According:	**: FCC Guidelines for Human Exposure IEEE C95.1**

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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	N/A	B426	printed	N/A	2.30	1

TEST RESULTS

EUT：	Cinema Speaker	Model Name :	CSS5530B/37; CSS5530X/**
Temperature：	25 ℃	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
2.3	1.6982	4.60	2.8840	0.00097488	1	Complies
2.3	1.6982	4.34	2.7164	0.00091823	1	Complies
2.3	1.6982	4.54	2.8445	0.00096150	1	Complies

EUT：	Cinema Speaker	Model Name :	CSS5530B/37; CSS5530X/**
Temperature：	25 ℃	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
2.3	1.6982	4.49	2.8119	0.00095050	1	Complies
2.3	1.6982	4.59	2.8774	0.00097264	1	Complies
2.3	1.6982	4.24	2.6546	0.00089733	1	Complies

Note: the calculated distance is 20 cm.