FCC RF EXPOSURE REPORT

FCC ID: 2AANUWSB5

Project No.	**: 1407C051C**
Equipment	**: Soundbar Speaker**
Model	**: WSB5**
Applicant	**: Gibson Innovations Limited**
Address	**: 5/F Philips Electronics Building,5 Science Park East Ave,HK Science Park, Shatin, NT, Hong Kong**
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)
1	N/A	N/A	PIFA	N/A	2.12

TEST RESULTS

EUT：	Soundbar Speaker	Model Name :	WSB5
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	DC 7.4V		
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
2.12	1.6293	4.92	3.1046	0.00100682	1	Complies
2.12	1.6293	4.87	3.0690	0.00099529	1	Complies
2.12	1.6293	4.88	3.0761	0.00099759	1	Complies

EUT：	Soundbar Speaker	Model Name :	WSB5
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	DC 7.4V		
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
2.12	1.6293	4.75	2.9854	0.00096817	1	Complies
2.12	1.6293	4.39	2.7479	0.00089115	1	Complies
2.12	1.6293	4.66	2.9242	0.00094831	1	Complies

Note: the calculated distance is 20 cm.