

FCC RF EXPOSURE REPORT

FCC ID: 2AANU-B8

Project No. : 1606C249B
Equipment : Soundbar speaker with Dolby Atmos
Model : B8/37, B8/F7, B8/(the "**"can be 37 or F7 for market use)**
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

B T L I N C .

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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	Internal	N/A	1.44

TEST RESULTS

EUT :	Soundbar speaker with Dolby Atmos	Model Name :	B8/37
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 ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.44	1.3932	4.7	2.9512	0.00082	1	Complies
1.44	1.3932	4.46	2.7925	0.00077	1	Complies
1.44	1.3932	4.2	2.6303	0.00073	1	Complies

EUT :	Soundbar speaker with Dolby Atmos	Model Name :	B8/37
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 ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
1.44	1.3932	4.21	2.6363	0.00073	1	Complies
1.44	1.3932	3.85	2.4266	0.00067	1	Complies
1.44	1.3932	3.48	2.2284	0.00062	1	Complies

Note: the calculated distance is 20 cm.