

# **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 .**

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:

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

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