

FCC RF EXPOSURE REPORT

FCC ID: 2AANUB5

Project No. : 1407C051C
Equipment : Soundbar Speaker
Model : B5/37, B5/ (The “**” can be F7 or 37 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	PIFA	N/A	2.12

TEST RESULTS

EUT :	Soundbar Speaker	Model Name :	B5/37, B5/**
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
2.12	1.6293	4.18	2.6182	0.00084908	1	Complies
2.12	1.6293	4.31	2.6977	0.00087488	1	Complies
2.12	1.6293	3.21	2.0941	0.00067913	1	Complies

EUT :	Soundbar Speaker	Model Name :	B5/37, B5/**
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
2.12	1.6293	3.85	2.4266	0.00078696	1	Complies
2.12	1.6293	3.57	2.2751	0.00073782	1	Complies
2.12	1.6293	2.36	1.7219	0.00055841	1	Complies

Note: the calculated distance is 20 cm.