

FCC RF EXPOSURE REPORT

FCC ID: 2AANU-HTL3170BV37

Project No. : 1507C276
Equipment : SoundBar Speaker
Model : HTL3170B/37
Applicant : Gibson Innovations Limited
**Address : 5/F Philips Electronics Building, 5 Science
Park East Ave, HK Science Park**
**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:

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

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	1.96

TEST RESULTS

EUT :	SoundBar Speaker	Model Name :	HTL3170B/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
1.96	1.5704	4.95	3.1261	0.00097713	1	Complies
1.96	1.5704	5.08	3.2211	0.00100682	1	Complies
1.96	1.5704	4.98	3.1477	0.00098390	1	Complies

EUT :	SoundBar Speaker	Model Name :	HTL3170B/37
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

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
1.96	1.5704	4.79	3.0130	0.00094178	1	Complies
1.96	1.5704	4.96	3.1333	0.00097938	1	Complies
1.96	1.5704	4.88	3.0761	0.00096150	1	Complies

Note: the calculated distance is 20 cm.