

# **FCC RF EXPOSURE REPORT**

**FCC ID: 2AANU-HTL3150BV37**

**Project No. : 1507C373**  
**Equipment : SoundBar Speaker**  
**Model : HTL3150B/37**  
**Applicant : GIBSON Innovations Ltd**  
**Address : 5/F., Philips Electronics Building,5 Science  
Park East Avenue, Hong Kong Science  
Park,Shatin, New Territories, 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

BT

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	N/A	N/A	Printed	N/A	1.78	

## TEST RESULTS

EUT :	SoundBar Speaker	Model Name :	HTL3150B/37
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_1Mbps/ CH01, CH39, CH78		

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
1.78	1.5066	4.89	3.0832	0.00092459	1	Complies
1.78	1.5066	5.01	3.1696	0.00095050	1	Complies
1.78	1.5066	4.87	3.0690	0.00092034	1	Complies

EUT :	SoundBar Speaker	EUT :	HTL3150B/37
Temperature :	25 °C	Temperature :	25 °C
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_3Mbps/ CH01, CH39, CH78		

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
1.78	1.5066	4.74	2.9785	0.00089320	1	Complies
1.78	1.5066	4.86	3.0620	0.00091823	1	Complies
1.78	1.5066	4.92	3.1046	0.00093100	1	Complies

Note: the calculated distance is 20 cm.