

# **FCC RF EXPOSURE REPORT**

**FCC ID: 2AANUHTL2140**

**Project No. : 1505C273**  
**Equipment : SOUNDBAR SPEAKER**  
**Model : HTL2140B/F7**  
**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	printed	N/A	2.3

## TEST RESULTS

EUT :	SOUNDBAR SPEAKER	Model Name :	HTL2140B/F7
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
2.3	1.6982	3.82	2.4099	0.00081461	1	Complies
2.3	1.6982	4.59	2.8774	0.00097264	1	Complies
2.3	1.6982	4.93	3.1117	0.00105184	1	Complies

EUT :	SOUNDBAR SPEAKER	Model Name :	HTL2140B/F7
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
2.3	1.6982	3.62	2.3014	0.00077795	1	Complies
2.3	1.6982	4.13	2.5882	0.00087488	1	Complies
2.3	1.6982	3.38	2.1777	0.00073612	1	Complies

Note: the calculated distance is 20 cm.