

# **FCC RF EXPOSURE REPORT**

**FCC ID: 2AANU-HTL2161**

**Project No. : 1312C262D**  
**Equipment : SoundBar Speaker**  
**Model : HTL2161B/F7; HTL2161X/\*\*(The “X” can be A to Z for colour, the “\*\*” can be F7 or F8 for market use.)**  
**Applicant : WOOX 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:

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

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.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	printed	N/A	2.3

## TEST RESULTS

EUT :	SoundBar Speaker	Model Name :	HTL2161B/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	1.41	1.3836	0.00046768	1	Complies
2.3	1.6982	0.7	1.1749	0.00039715	1	Complies
2.3	1.6982	0.25	1.0593	0.00035806	1	Complies

EUT :	SoundBar Speaker	Model Name :	HTL2161B/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	2.75	1.8836	0.00063672	1	Complies
2.3	1.6982	0.93	1.2388	0.00041875	1	Complies
2.3	1.6982	0.51	1.1246	0.00038015	1	Complies

Note: the calculated distance is 20 cm.