



**Neutron Engineering Inc.**

# **FCC RF EXPOSURE REPORT**

**FCC ID: 2AANU-HTL3110**

**Project No.** : 1312C260  
**Equipment** : SOUNDBAR SPEAKER  
**Model** : HTL3110B /F7, HTL3110B/F7; HTL31X0X/F7(the "X" can be blank or  
can be "0" to "9" or "A" to "Z" for market use only)  
**Applicant** : WOOX 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**

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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

Ant.	Brand name	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Printed	N/A	1.44

**TEST RESULTS**

EUT:	SOUNDBAR SPEAKER	Model Name	HTL3110B/F7
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	120V/60Hz		
Test Mode :	CH00/ CH39 /CH78 -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
1.44	1.3932	0.95	1.2445	0.00034510	1	Complies
1.44	1.3932	0.66	1.1641	0.00032281	1	Complies
1.44	1.3932	0.41	1.0990	0.00030475	1	Complies

EUT:	SOUNDBAR SPEAKER	Model Name	HTL3110B/F7
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	120V/60Hz		
Test Mode :	CH00/ CH39 /CH78 -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
1.44	1.3932	0.47	1.1143	0.00030899	1	Complies
1.44	1.3932	0.23	1.0544	0.00029238	1	Complies
1.44	1.3932	-0.11	0.9750	0.00027036	1	Complies

Note: the calculation distance is 20 cm.