Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: 2AANU-HTL3110

Project No.	:	1312C260A
Equipment	:	SOUNDBAR SPEAKER
Model	:	HTL2163B/F7; HTL21**X/F7 (The “X” can be A to Z for colour, the “**” can be 00 to 98 or F7 or F8 for market use.)
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:

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

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

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	HTL2163B/F7
Temperature:	25 ℃	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^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
1.44	1.3932	0.95	1.2445	0.00047528	1	Complies
1.44	1.3932	0.65	1.1614	0.00044356	1	Complies
1.44	1.3932	0.4	1.0965	0.00041875	1	Complies

EUT:	SOUNDBAR SPEAKER	Model Name	HTL2163B/F
Temperature:	25 ℃	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^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
1.44	1.3932	0.47	1.1143	0.00042555	1	Complies
1.44	1.3932	0.25	1.0593	0.00040453	1	Complies
1.44	1.3932	-0.1	0.9772	0.00037321	1	Complies

Note: the calculation distance is 20 cm.