



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: 2AANU-HTL2160VF7

Project No. : 1401C102
Equipment : SoundBar Speaker
Model : HTL2160/F7
Applicant : WOOX Innovations Ltd.
Address : 5/F., 5 Science Park East Avenue, Hong Kong
Science Park, Shatin, New Territories, Hong Kong

According: : FCC Guidelines for Human Exposure IEEE C95.1

Neutron Engineering Inc.

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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

Table for Field Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	PIFA	N/A	2.12	TX/RX



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TEST RESULTS

EUT:	SoundBar Speaker	Model Name	HTL2160/F7
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1016 hPa	Test Voltage :	AC 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
2.12	1.6293	3.85	2.4266	0.00078696	1	Complies
2.12	1.6293	3.94	2.4774	0.00080343	1	Complies
2.12	1.6293	3.94	2.4774	0.00080343	1	Complies

EUT:	SoundBar Speaker	Model Name	HTL2160/F7
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1016 hPa	Test Voltage :	AC 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
2.12	1.6293	3.70	2.3442	0.00076024	1	Complies
2.12	1.6293	3.75	2.3714	0.00076904	1	Complies
2.12	1.6293	3.92	2.4660	0.00079974	1	Complies

Note:

1) The calculation distance is 20 cm.