Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: BOU-HTL7180

Project No. : **1304C230**
Equipment : **Soundbar Speaker**
Model : **HTL7180/F7**
Applicant : **Philips Consumer Lifestyle**
Address : **5/F, Philips Electronics Building, 5 Science Park East Avenue, Hong Kong Science Park, Shatin, New Territories, 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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
A	SMSC	DWHP83	Printed	N/A	3.2
B	SMSC	DWHP83	Printed	N/A	3.2

Only "one" antenna is selected for use at any one time, through the on-board Transmit-Receive / Diversity RF switch.

TEST RESULTS

EUT：	Home Theater	Model Name ：	HTB5544D/F7
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1010 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	TX B MODE /CH01, CH02, CH03		

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
3.2	2.0893	14.92	31.0456	0.01291072	1	Complies
3.2	2.0893	12.21	16.6341	0.00691752	1	Complies
3.2	2.0893	10.03	10.0693	0.00418746	1	Complies