Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: 2AAGJDHTS514

Project No.	**: 1310C090**
Equipment	**: HOME THEATER SYSTEM**
Model	**: SC-S514**
Applicant	**: Tymphany HK Limited**
Address	**: Room 1307-8 Dominion Centre 43-59 Queen's Road East, WanChai, 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

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	0

TEST RESULTS

EUT:	HOME THEATER SYSTEM	Model Name :	SC-S514
Temperature:	24 ℃	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC120V/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
0	1.0000	3.38	2.1777	0.00043346	1	Complies
0	1.0000	3.78	2.3878	0.00047528	1	Complies
0	1.0000	3.91	2.4604	0.00048972	1	Complies

EUT:	HOME THEATER SYSTEM	Model Name :	SC-S514
Temperature:	24 ℃	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC120V/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
0	1.0000	3.31	2.1429	0.00042653	1	Complies
0	1.0000	3.56	2.2699	0.00045180	1	Complies
0	1.0000	3.56	2.2699	0.00045180	1	Complies

The calculated distance is 20 cm.