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 Queens Road East, WanChai, Hong Kong,China

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 name	Model Name	Antenna Type	Connector	Gain (dBi)
A	SMSC	DWAM83-TB	Printed	N/A	2.0
B	SMSC	DWAM83-TB	Printed	N/A	2.0

TEST RESULTS

EUT: HOME	THEATER SYSTEM	Model Name :	SC-S514
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	TX 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
2	1.5849	8.01	6.3241	0.00199503	1	Complies
2	1.5849	6.59	4.5604	0.00143863	1	Complies
2	1.5849	6.68	4.6559	0.00146876	1	Complies

The cacluated distance is 20cm