



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:

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

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:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	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	15.13	32.5837	0.01027899	1	Complies
2	1.5849	14.79	30.1301	0.00950496	1	Complies
2	1.5849	14.27	26.7301	0.00843238	1	Complies

The cacluated distance is 20cm