



**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:

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

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	Model Name	Antenna Type	Connector	Gain (dBi)
A	SMSC	DWAM83-TB	Printed	N/A	3.0
B	SMSC	DWAM83-TB	Printed	N/A	3.0

### TEST RESULTS

EUT:	HOME THEATER SYSTEM	Model Name :	SC-S514
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1010 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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.00	1.9953	10.41	10.9901	0.00436466	1	Complies
3.00	1.9953	11.74	14.9279	0.00592858	1	Complies
3.00	1.9953	11.21	13.2130	0.00524747	1	Complies

The calculated distance is 20 cm.