



**Neutron Engineering Inc.**

# FCC RF EXPOSURE REPORT

**FCC ID: 2AAGJDHTS514A**

**Project No.** : 1310C090  
**Equipment** : HOME THEATER SYSTEM  
**Model** : DSW-S514  
**Applicant** : Tymphony 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)
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 :	DSW-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/cm²)	Limit of Power Density (S) (mW/cm²)	Test Result
3.00	1.9953	10.40	10.9648	0.00435462	1	Complies
3.00	1.9953	11.72	14.8594	0.00590134	1	Complies
3.00	1.9953	11.19	13.1522	0.00522336	1	Complies

The calculated distance is 20 cm.