

# **FCC RF EXPOSURE REPORT**

**FCC ID: 2AAGJHEOS514A**

**Project No. : 1503C045**  
**Equipment : Wireless TV Sound System**  
**Model : SC-HHC-Sub**  
**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**

**B T L I N C .**

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.  
TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

## 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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	 SMSC® SUCCESS BY DESIGN	DWPH83	Internal	N/A	3.20	TX
2	 SMSC® SUCCESS BY DESIGN	DWPH83	Internal	N/A	3.20	RX

## TEST RESULTS

EUT :	Wireless TV Sound System	Model Name :	SC-HHC-Sub
Temperature :	25 °C	Relative Humidity:	55 %
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
3.2	2.0893	2.48	1.7701	0.00073612	1	Complies
3.2	2.0893	1.82	1.5205	0.00063234	1	Complies
3.2	2.0893	1.25	1.3335	0.00055456	1	Complies

Note: the calculated distance is 20 cm.