FCC RF EXPOSURE REPORT

FCC ID: 2AAGJHEOS514

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

BTL 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

WIFI module only MPE

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
6	3.9811	21.59	144.2115	0.11427477	1	Complies

Wireless module only MPE

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
3.2	2.0893	7.72	5.9156	0.00246009	1	Complies

So for 2.4G+5G simultaneous transmission MPE:

0.1143/1+0.0025/1=0.1168<1

Note: the calculated distance is 20 cm.