

FCC RF EXPOSURE REPORT

FCC ID: QT7WFOUTLET

Project No. : 1509C137
Equipment : Wifi Outlet
Model : HT-HS02
Applicant : Power7 Technology (Dongguan) Co., Ltd.
Address : No.28 Binjiang Blvd Shishuikou Village,
Qiaotou Town, Dongguan City, Guang Dong
Province P.R. China
According: : FCC Guidelines for Human Exposure IEEE
C95.1

B T L I N C .

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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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Internal	N/A	1

TEST RESULTS

EUT :	Wifi Outlet	Model Name :	HT-HS02
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

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
1	1.2589	16.77	47.5335	0.01191106	1	Complies
1	1.2589	16.71	46.8813	0.01174763	1	Complies
1	1.2589	16.81	47.9733	0.01202127	1	Complies

EUT :	Wifi Outlet	Model Name :	HT-HS02
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

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
1	1.2589	21.29	134.5860	0.03372488	1	Complies
1	1.2589	21.25	133.3521	0.03341569	1	Complies
1	1.2589	21.16	130.6171	0.03273033	1	Complies

EUT :	Wifi Outlet	Model Name :	HT-HS02
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE_ Total /CH01, CH06, CH11		

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
1	1.2589	21.09	128.5287	0.03220701	1	Complies
1	1.2589	21.03	126.7652	0.03176511	1	Complies
1	1.2589	21.05	127.3503	0.03191173	1	Complies

EUT :	Wifi Outlet	Model Name :	HT-HS02
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE_ Total /CH03, CH06, CH09		

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
1	1.2589	21.35	136.4583	0.03419404	1	Complies
1	1.2589	21.33	135.8313	0.03403693	1	Complies
1	1.2589	21.36	136.7729	0.03427286	1	Complies

Note: the calculated distance is 20 cm.