

FCC RF EXPOSURE REPORT

FCC ID: 2AANUSW2140

Project No. : 1505C273
Equipment : SOUNDBAR SPEAKER
Model : SW2140B/F7
Applicant : Gibson Innovations Limited
Address : 5/F Philips Electronics Building, 5 Science Park
East Ave, HK Science Park, Shatin, NT, Hong
Kong
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:

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

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)
1	N/A	N/A	printed	N/A	2.3

TEST RESULTS

EUT :	SOUNDBAR SPEAKER	Model Name :	SW2140B/F7
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode _1Mbps		

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
2.3	1.6982	3.88	2.4434	0.00082594	1	Complies
2.3	1.6982	3.78	2.3878	0.00080714	1	Complies
2.3	1.6982	3.53	2.2542	0.00076199	1	Complies

EUT :	SOUNDBAR SPEAKER	Model Name :	SW2140B/F7
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode _3Mbps		

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
2.3	1.6982	4.71	2.9580	0.00099989	1	Complies
2.3	1.6982	4.9	3.0903	0.00104460	1	Complies
2.3	1.6982	4.61	2.8907	0.00097713	1	Complies

Note: the calculated distance is 20 cm.