

FCC RF EXPOSURE REPORT

FCC ID: Z9G-EDF23

Project No. : 1506C168
Equipment : Active Speaker system
Model : B7 Soundbar, CineSound B7
Applicant : Edifier International Limited
Address : Room 2207-9, Tower Two, Lippo Centre 89
Queensway, 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:

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

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	SUNLORD	SLDA52-2R540G-S1TF	Chip	N/A	2.5

TEST RESULTS

EUT :	Active Speaker system	Model Name :	B7 Soundbar, CineSound B7
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
2.5	1.7783	-0.13	0.9705	0.00034352	1	Complies
2.5	1.7783	-0.03	0.9931	0.00035152	1	Complies
2.5	1.7783	0.08	1.0186	0.00036054	1	Complies

EUT :	Active Speaker system	Model Name :	B7 Soundbar, CineSound B7
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
2.5	1.7783	-0.29	0.9354	0.00033109	1	Complies
2.5	1.7783	-0.12	0.9727	0.00034431	1	Complies
2.5	1.7783	-0.98	0.7980	0.00028246	1	Complies

Note: the calculated distance is 20 cm.