

FCC RF EXPOSURE REPORT

FCC ID: 2AEUPBHARG041

Project No. : 1703117
Equipment : Ring
Model : Video Doorbell 2
Series Model : N/A
Applicant : Bot Home Automation, Inc.
Address : 1523 26th St, Santa Monica, CA 90404, USA

According: : FCC Guidelines for Human Exposure IEEE
C95.1

Technical Manager

:



(Herbert Liu)

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.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	 INPAQ INPAQ TECHNOLOGY CO., LTD.	WA-P-LA-02-186	PIFA Antenna	N/A	1.98

TEST RESULTS

Test Mode :	TX B Mode /CH01, CH06, CH11
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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
1.98	1.5776	13.81	24.0436	0.00755006	1	Complies
1.98	1.5776	14.02	25.2348	0.00792411	1	Complies
1.98	1.5776	15.39	34.5939	0.01086301	1	Complies

Test Mode :	TX G Mode /_ Total CH01, CH06, CH11
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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
1.98	1.5776	19.03	79.9834	0.02511599	1	Complies
1.98	1.5776	19.16	82.4138	0.02587917	1	Complies
1.98	1.5776	18.76	75.1623	0.02360208	1	Complies

Test Mode :	TX N-20M Mode_ Total /CH01, CH06, CH11
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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
1.98	1.5776	18.78	75.5092	0.02371103	1	Complies
1.98	1.5776	19.24	83.9460	0.02636030	1	Complies
1.98	1.5776	18.57	71.9449	0.02259178	1	Complies