

# **FCC RF EXPOSURE REPORT**

**FCC ID: 2AEUPBHARG031**

**Project No. : 1512192**  
**Equipment : Ring**  
**Model : Video Doorbell**  
**Applicant : Bot Home Automation, Inc.**  
**Address : 1523 26th Street Santa Monica California**  
**United States 90404**  
**According: : FCC Guidelines for Human Exposure IEEE**  
**C95.1**

**BTL Inc.**

**B1, No. 37, Lane 365, YangGuang St., NeiHu District 114, Taipei, Taiwan**

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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.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	Goldtek	N/A	PCB	N/A	3.46
2	Goldtek	N/A	Chip	N/A	0.84

## TEST RESULTS

EUT :	Ring	Model Name :	Video Doorbell
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.46	2.2182	14.73	29.7167	0.01312050	1	Complies
3.46	2.2182	15.85	38.4592	0.01698050	1	Complies
3.46	2.2182	15.35	34.2768	0.01513388	1	Complies

EUT :	Ring	Model Name :	Video Doorbell
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.46	2.2182	17.82	60.5341	0.02672701	1	Complies
3.46	2.2182	18.41	69.3426	0.03061614	1	Complies
3.46	2.2182	17.89	61.5177	0.02716129	1	Complies

EUT :	Ring	Model Name :	Video Doorbell
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.46	2.2182	17.57	57.1479	0.02523192	1	Complies
3.46	2.2182	17.82	60.5341	0.02672701	1	Complies
3.46	2.2182	17.62	57.8096	0.02552410	1	Complies

Note: the calculated distance is 20 cm.