



# **FCC RF Exposure Report**

FCC ID: 2AEUPBHARG042

Project No. : 1803001 Equipment : Ring

**Test Model**: Video-Doorbell 2

Series Model : N/A Applicant : Ring, Inc.

Address : 1523 26th St, Santa Monica, CA 90404,USA

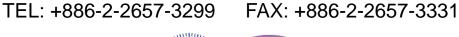
**According:** FCC Part 2, Subpart J (§2.1093)

KDB 447498 D01 General RF Exposure Guidance v06

**Authorized Signatory** 

BTL INC.

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## **RF Power Spec**

### **Conducted Power**

Technology /Band	ology /Band Frequency Peak Power(di		Average Power (dBm)		
802.11b	2412	14.32	12.07		
	2437	14.52	12.21		
	2462	15.11	12.82		
	2412	19.34	9.63		
802.11g	2437	19.63	12.67		
	2462	19.43	10.21		
802.11n_HT20	2412	19.21	8.98		
	2437	19.47	12.03		
	2462	19.21	9.35		

**Maximum Average Tune up Power** 

Technology /Band	MAX Average Tune up Power (dBm)		
802.11b	13		
802.11g	13		
802.11n_HT20	12.5		

#### **Table for Filed Antenna:**

Group I:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	WIESON	GY196HT0264L-010	Dipole Antenna	SMA	1.38

Group II:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	WIESON	GY196IT007-007)	PCB Antenna	N/A	1.42

Note:

This Doorbell is intended for use with hands, therefore extremity SAR is evaluation.





#### **CALCULATION RESULTS**

According to 447498 D01 General RF Exposure Guidance v06
The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

a) For 100 MHz to 6 GHz and test separation distances  $\leq$  50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]  $\cdot [\sqrt{f_{\text{(GHz)}}}] \le 3.0$  for 1-g SAR, and  $\le 7.5$  for 10-g extremity SAR, <sup>30</sup> where

- f<sub>(GHz)</sub> is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation<sup>31</sup>
- · The result is rounded to one decimal place for comparison
- The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

The maximum conducted power is TX B MODE 2462 MHz.

The maximum conducted power is 1700 medic					
Frequency (MHz)	Tune up Average Power (dBm)	Average Power (mW)	Distance (mm)	Result	Limit
2462 MHz	13	19.953	5	6.261	7.5

#### CONCLUSION

No SAR evaluation required since transmitter power is below FCC threshold.