


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 :



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RF Power Spec

Conducted Power

Technology /Band	Frequency	Peak Power(dBm)	Average Power (dBm)
802.11b	2412	14.32	12.07
	2437	14.52	12.21
	2462	15.11	12.82
802.11g	2412	19.34	9.63
	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* ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

- $f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation³¹
- 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.

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.