intertek

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Statement of compliance to
Maximum Permissible Exposure (MPE)
No. 170901088SHA-002

Applicant	:	Beijing Roborock Technology Co., Ltd. Floor 6, Suite 6016, 6017, 6018, Building C, Kangjian Baosheng Plaza, No.8 Heiquan Road, Haidian District, Beijing, P.R. China
Manufacturing site	:	Sunwoda Electronic Co., Ltd The northeast of Intersection between Keyu Rd. and Tongguan Blvd., Gongming Street, Guangming New district, Shenzhen City, Guangdong, PR.China
Product Name	:	Automatic battery-operated cleaner for household use
Type/Model	:	S501-01, S551-01

According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.
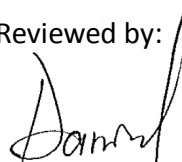
Date of issue: November 14, 2017

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Reviewed by:

Daniel

Daniel Zhao (Reviewer)

Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^2)$$

Where S = power density in mW/cm^2
P = transmit power in mW
G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))
R = distance (cm)

The calculations in the table below use the highest gain of antenna for client EUT. These calculations represent worst case in terms of the exposure levels.

Frequency band	Power		Antenna Gain		R	S	Limits
(MHz)	dBm	mW	dBi	(Numeric)	(cm)	(mW/cm^2)	(mW/cm^2)
2412 - 2462	22.56	180.30	3.7	2.34	20	0.084	1

Frequency band	Max Permit Power with tolerance		Antenna Gain		R	S	Limits
(MHz)	dBm	mW	dBi	(Numeric)	(cm)	(mW/cm^2)	(mW/cm^2)
2412 - 2462	24.00	251.19	3.7	2.34	20	0.117	1

Note: 1 mW/cm^2 from 1.310 Table 1

Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of **20** cm or more should be maintained between the antenna of this device and persons during device operation.
To ensure compliance, operations at closer than this distance is not recommended.