

Maximum Permissible Exposure Report

FCC ID: 2AVWQ79X

Report No. : BTL-FCCP-2-1911T154A
Equipment : Vbot Robotic Vacuum Cleaner
Model Name : M790, RM790, M792, M793, M795, SCOUT, VG700
Brand Name : Vbot
Applicant : Matsutek Enterprises Co., Ltd.
Address : 2F., No. 2, Ln. 15, Ziqiang St., New Taipei City 23678, Taiwan

FCC Rule Part(s) : FCC Guidelines for Human Exposure IEEE C95.1

Date of Receipt : 2019/12/16
Date of Test : 2019/12/16 ~ 2020/2/5
Issued Date : 2020/6/1

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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Approved by : 
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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	2020/4/29
R01	Added five series models of two buttons.	2020/6/1

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.	Brand	Test Model	Antenna Type	Connector	Gain (dBi)
1	Dongguan Qiyuan Electronic Technology Co.,LTD	QY074-11S0001A	PCB	I-PEX	2.85

TEST RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Test Result
2.85	1.9275	23.91	246.0368	0.09439530	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report