
WAVE RCU antenna information

Company name: **Maytronics Ltd.**

Address: **Kibbutz Yizre'el, Israel**

Product Name: **Remote Control Unit for Robotic Pool Cleaner**

FCC ID: **WCH8885412**

Model(s): **WAVE 300/200 RCU**

Following the FCC requirement from August 2022 to TCB to provide proper antenna information according to CFR47 part 15.203, and considering the allowance below:

“Where the gain is inherently accounted for through measurements, such as field strength on a device under FCC Rules 15.249 or 15.231, gain does not necessarily need to be separately verified. However, information regarding antenna construction shall be provided, i.e., photographs, length of wire antenna, etc.”

herein the antenna information.

WAVE 300/200 RCU use by a PCB printed antenna.

The overall trace length is **172mm**, which is **$\lambda/4$** equivalent to **434MHz** carrier frequency.

The antenna geometry is provided on the attached photo and layout picture.

1. PCB antenna photo



2. PCB antenna layout

