FCC details

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ISED details

IC Company No.: 8906A
Certification No.: 8906A-ICWS001

Model No.: iCWS

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iCWS Operational Description

The device is a pet water station with integrated scales and an RFID reader that operates at 126 kHz or 133 kHz. The reader is normally used together with a sub-dermal RFID implant in the pet that is not provided with the product. The unit also has a 2.4 GHz 802.15.4 RF transceiver to communicate with a user app via a Sure Petcare iHB internet Hub. Both antennas are integrated into the plastic enclosure and may not be modified by the user.

The Hydration station has a bowl and reservoir arrangement with a mechanical valve that presents a puddle of water to the pet for drinking from. The reservoir valve design allows the water level in the "puddle" to be maintained at an appropriate level during the day while water is drunk.

The unit also has an integral weight reporting function so the unit can continuously monitor the weight of the water in the unit and record how much water is drunk. The hydration station incorporates a capacitive proximity detector that monitors for the presence of the pet. When the pet's presence has been determined then the RFID reader tries to read the tag ID number and compares it to a previously stored list. If the ID tag matches one of the stored codes then the units reports the amount of water drunk back to the app along with the pet's ID.

When a Pet's ID tag is not identified then any water drunk is reported as being by an "unidentified animal".

Weight changes over time when no animal is detected are automatically allowed for.

The unit has a single button which can be used to enable the unit to learn RFID tags as required.

The feeder has a main LED which is used to indicate various states of the feeder, for example when it has read an ID tag and is opening or when it is in learn mode.

The device is battery powered by 4 x LR16 "C" cells and does not have any external connections.

MSD Animal Health Intelligence