

Description of Operation for Wireless Charger V-Juice

FCC ID: 2AV30-V-JUICE1

The device is an inductive charger for mobile devices like Smartphones, based on the Qi technology.

It uses electromagnetic induction to provide electricity to portable devices.

Energy is transferred through inductive coupling. An alternating current is run through an induction coil in the charging pad.

This makes an alternating electric current in the induction coil embedded in the portable device.

The operating frequency range is 110 kHz - 205 kHz (depending on the load and load position).

The device is able to detect foreign objects like keys or other metallic parts that have been placed on the transmitter coil. In case of a detected foreign object, the transmitter reduces its power or switches its magnetic field completely off.