Circuit Description

The tested product is a wireless charging transmitter with a working frequency of 110k-205k.DC5V input is used to power the MCU, operational amplifier and two 8-pin MOS tubes. The frequency signal QI given by the MCU is used to power the two 8-pin MOS tubes (U1,U3) so that the capacitor (C19,C20,C21,C22) and the coil resonance are generated. The coil and capacitor (C19,C20,C21,C22) then form resonance between the charger and the device to generate electromagnetic wave 110, 111, 112, 113, 114, 115.....205KHz, give primary coil 110, 111, 112, 113, 114, 115.....An alternating current of 205KHz frequency, induced by electromagnetic induction, generates an electric current in the secondary coil, thereby transferring energy from the transmitting end to the receiving end.