

LOYAL TECHNOLOGY CO., LTD.
FCC ID : ICK-WT-326
JOB # : 65AU1
EXHIBIT # : 9

CIRCUIT DESCRIPTION

RECEIVER CIRCUIT :

The flexible 14.5cm long antenna is inductively coupled to transistor Q2 the regenerative mixer and detector.

The detector audio is then routed to audio amplifier Q3 and Q4. The output of the audio amplifier drives

Transformer T4 and speaker or connect to earphone and jack.

TRANSMITTER CIRCUIT :

Q1 is the crystal oscillator which is modulated by the output of the same audio amplifier chain of Q3 and Q4,

The audio input is now from microphone.

POWER AND GROUND :

Energy is supplied by a 9 Volt battery. No external ground connection is provided and what ground that's available is from the printer circuit board.