

To: T.E.

Attn: Mr. Sid Sanders

From: Gilbert Lui

To: TIMECO

ATTN: GILBERT LUI

To: Becker Tops

K K Chan

B2199 Circuit Description

Date: 29 - Nov - 2000

Receiver:

Through the antenna, signal will pass through a R.F. amplifier (Q1 - C1675L) and input to choice frequency circuit (T1 AH - 804209). Then, the right and chosen frequency will enter to detector circuit (IC2 LA1600) and a detector signal will pass to audio amplifier circuit (Q4 9014C - Q5 9013H) for amplification. Finally, an audio signal will be output to speaker.

Transmitter:

An audio signal will be received through a condenser mic and will be amplified by the amplifier circuit, (Q3 9014) the amplified signal will be output in two ways. One way is to audio control circuit. (IC1 74cu04) Another way is to osc crystal (49.860MHZ - 49.405MHZ) to generate R.F. signal for amplifying by R.F. Amplifier (Consisting IC1 - Q2A - C1815Y). The amplified signal will be tunned for sensitivity (by L2 T808033) and transmitted through the antenna.



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18 JAN 2001

BY: _____