R4 SETS THE DEVIATION LEVEL GOING TO THE REPEATED TRANSMITTER
R14 SETS THE DROP OUT DELAY
R26 SETS THE MODULATION LEVEL GOING OUT TO THE LINK
R27 SETS THE BALANCE BETWEEN HAVING A LINK CONNECTED OR DISCONNECTED
UHF RPT/LINK

AUDIO LEVEL CIRCUIT

RECEIVED AUDIO

BATTERY GROUND

SWITCHED BATTERY 75V Nominal

SQUELCH FROM RADIO

KEY FROM LINK

CARRIER DETECT CIRCUIT

MODULATION OUT TO LINK

REPEATER MODULATION IN BALANCE

MODULATION OUT TO RPT TX

LINK RX J+

RPT2 TX B+

LINK TX B+

SWITCHED POWER

RPTR CIRCUIT

SHORT OUT CAP TO ENABLE TIME OUT TIMER

DROP OUT DELAY CIRCUIT

U1 - MC3330P
U2 - MC1440ICP

ALL RESISTORS ARE 1/4 W, 5%, CARBON

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
BASE INTERAGENCY FIRE CENTER

UHF RPT/LINK
MX REPEATER/LINK BOARD
SCHEMATIC DIAGRAM

DESIGNED BY
CHECKED BY
DRAWN BY
SCALE
DATE
DRAWING NO.

14 SETS THE DEVIATION LEVEL GOING TO THE REPEATER TRANSMITTER
R14 SETS THE DROP OUT DELAY
R25 SETS THE MODULATION LEVEL GOING OUT TO THE LINK
R26 SETS THE BALANCE BETWEEN HAVING A LINK CONNECTED OR DISCONNECTED