

SS-797

AM/FM/SSB
40 METER BASE STATION

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thanks Homer

for sharing this file

TRANSCEIVER

LCD DIGITAL PLL SYNTHESIZER SYSTEM
FREQUENCY READ OUT
5 PRESET MEMORY & ACTIVE CHANNEL SCAN
1KHz /10KHz /100KHz FREQUENCY RESOLUTION
RF-GAIN & MIC-GAIN CONTROL
S/R/F POWER & MODULATION/SWR ANALOG METER
± SHIFT FREQUENCY
50 WATTS OUTPUT POWER



SPECIFICATION

GENERAL

. FREQUENCY RANGE 7.0 MHz to 7.3 MHz
OR 6.0 MHz to 8.999 MHz(454CH)
. FREQUENCY RESOLUTION 1K /10k /100KHz step
. FREQUENCY STABILITY ± 300Hz
. FREQUENCY CONTROL.digital phase-locked loop synthesize
. EMISSION MODE A3E(AM), F3E(FM), J3E(SSB)
. OPERATING TEMPERATURE RANGE -20°C to +50 °C
. POWER REQUIREMENTS 12.0V-16.0V DC
. ANTENNA 50 Ohm unbalanced
. MICROPHONE electric condenser type
. SPEAKER 8 Ohm, 3watts
. DIMENSIONS (W X H X D) 300 x 240 x 85m/m
. WEIGHT (NET)..... 3.4 Kg

RECEIVER

. MAX SENSITIVITY FOR 6dB S/N AM 0.5uV, FM/SSB 0.25uV
. SENSITIVITY FOR 10dB S/N AM 0.5uV, FM/SSB 0.25uV
. OVERLOAD AUDIO FIDELITY
AT 6dB DOWN 450Hz ~ 2000Hz
. ADJACENT CHANNEL SELECTIVITY : AM/FM 60dB, SSB 70dB
. IMAGE REJECTION (5.6MHz) Typically better than 90dB
. IF REJECTION 70dB or better
. MAXIMUM AUDIO OUTPUT POWER AM/FM/SSB 3.0watts
. SQUELCH RANGE Adjustable from 0.5uV to 1mV
. BATTERY DRAIN AT NO SIGNAL 500mA
. BATTERY DRAIN AT MAX. OUTPUT POWER 1.5A
. RECEIVER CLARIFIER RANGE ± 1.0KHz Variable
. DYNAMIC RANGE 65dB (SSB)

TRANSMITTER

. MAX OUTPUT POWER AM 20Watts
FM 50Watts
SSB 50Watts PEP
. SPURIOUS EMISSION 65dB or better
. CURRENT DRAIN AT NO MODULATION AM less than 5.0A
FM less than 10A
SSB less than 1.0A
AT MAX. OUTPUT POWER AM less than 5.0A
FM/ SSB less than 10A
. MODULATION FREQUENCY RESPONSE
1KHz, 0dB REFERENCE Lower, at 450Hz, AM -6dB
SSB -6dB
Upper, at 2.5KHz, AM -6dB
SSB -6dB
. MICROPHONE SENSITIVITY AM 1.5mV for 50% mod
FM 1.5mV for 1KHz DEV
SSB 1.5mV for 4Watts P.E.P
. MICROPHONE AMPLIFIER
AM 50dB (between 98% and 80% modulation)
SSB 50dB (between 12W PEP and 10W PEP)
. MODULATION CAPABILITY AM 95%, FM 2.0KHz

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