

MODEL: SY-220

AM 11 METER MOBILE RADIO

CB TRANSCEIVER

PLL SYNTHESIZER SYSTEM
S/RF POWER METER
SCAN FUNCTION
DUAL WATCH
CH9 EMERGENCY
COMPACT SIZE



SPECIFICATION

GENERAL SPECIFICATION

- . Frequency range 26.965MHz to 27.405MHz(40 ch)
- . Frequency control...Digital phase-locked loop synthesizer
- . Power requirements..... 13.8V DC
12-16 Volts DC,negative
- . Antenna 50 ohm (coaxial connector)
- . Microphone Electric condenser type
- . **Speaker** 8 ohm, 2 Watts
- . Dimensions (H x W x D) 34 X 131 X 167mm
- . Weight 1.76lbs (0.8Kg)

RECEIVER SECTIONS

- . Max sensitivity AM 0.5 μ V
- . Sensitivity for 10dB S/N AM 0.5 μ V
- . Overload audio fidelity at 6dB down 450Hz-2100Hz
- . Adjacent channel Selectivity AM 60dB
- . Image rejection (5.6MHz) Typically better than 90dB
- . IF rejection 70dB or better
- . Maximum audio output power 2.0 Watts
- . Squelch range Adjustable from 0.5 μ V to 1mV
- . Battery drain at no signal 500mA
- . **Battery drain at max Output power** 1.5A

TRANSMITTER SECTIONS

- . Max. Output power AM 4Watts
- . Spurious emission 65dB or better
- . Current drain at unmodulation AM less than 1.2A
- . at max output power AM less than 1.5A
- . Modulation frequency response
(1KHz, 0dB reference) Lower, at 450Hz, AM-60dB
Upper, at 2.5KHz, AM-60dB
- . Microphone Sensitivity AM 4mV for 50% mod
- . Microphone amplifier AM 50dB
(between 98% and 80% modulation)

PUBLIC ADDRESS AMPLIFIER

- . Maximum Output power 2.0 Watts

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