

## 11 SPECIFICATIONS

### FREQUENCY RANGES

20 Meters (Upper Sideband)*	13.990 to 14.380 kc
40 Meters (Lower Sideband)*	6.900 to 7.340 kc
75 Meters (Lower Sideband)*	3.640 to 4.030 kc

### POWER INPUT

#### Single Sideband

600 volt dc high voltage 180 Watts. PEP

800 volt dc high voltage 240 Watts. PEP

C. W. 200 Watts DC input

AM (Single Sideband With Carrier) Approx. 60 Watts input

### METHOD OF GENERATING SSB

High frequency crystal lattice filter centered at 5174.5 kc. Single conversion employed on both transmit and receive. Bandwidth, 3 kc nominal at 6 db down, both transmit and receive.

UNWANTED SIDEBAND SUPPRESSION Approximately 40 db

CARRIER SUPPRESSION Approximately 50 db

TRANSMITTER OUTPUT IMPEDANCE Pi-network output matches antennas essentially resistive at 20 to 300 ohms impedance.

RECEIVER SENSITIVITY Less than 1 microvolt at 50 ohms input impedance for a signal-plus-noise to noise ratio of 10 db.

AUDIO RESPONSE Essentially flat 300 to 3000 cps on both receive and transmit.

RECEIVER OUTPUT 3 watts audio at 3.2 ohms.

FRONT PANEL CONTROLS Main Tuning, RF Gain, AF Gain, Mic. Gain, Carrier Balance, Exciter Tune, PA Tune, PA Load, Function Switch, VFO Bandswitch, Main Bandswitch, Filament ON-OFF.

METERING PA Cathode Current, 0-400 ma.

DIMENSIONS Width 13 1/4 in., Height 5 5/8 in., Depth 11 in.

WEIGHT 11 1/2 pounds.

\*Opposite Sideband Optional Addition, See Section VII.