

SPECIFICATIONS

FREQUENCY RANGES

80 Meters	3.5 to 4 mc.
40 Meters	7.0 to 7.300 mc.
20 Meters	14.0 to 14.350 mc.
15 Meters	21.0 to 21.450 mc.
10 Meters	28.0 to 29.7 mc.

POWER INPUT

Single Sideband, Suppressed Carrier:
260 watts, PEP, minimum on all bands.
CW: 180 watts, dc input on all bands.
AM: (Single Sideband with Carrier)
65 watts dc input on all bands.

DISTORTION

Distortion products down approx. 30 db.

UNWANTED SIDEBAND SUPPRESSION

Unwanted sideband down more than 50 db.

CARRIER SUPPRESSION

Carrier suppression greater than 50 db.

SELECTIVITY provided by 5500 Kc crystal lattice filter, 2700 cycles wide at 6 db down, 4600 cycles wide at 60 db down. Shape factor of 1.7 with ultimate rejection greater than 100 db.

RECEIVER SENSITIVITY

Less than 0.5 microvolt at 50 ohms impedance for signal-plus-noise to noise ratio of 10 db.

AUDIO OUTPUT AND RESPONSE

Audio output, 3 watts to 3.2 ohm load. Response essentially flat from 300 to 3000 cps in both receive and transmit.

TRANSMITTER OUTPUT

Wide-range Pi-network output matches resistive loads from 50 to 75 ohms.

METERING

Power amplifier cathode current 0-400 ma on transmit, S-Meter 0-70 db over S9 on receive.

FRONT PANEL CONTROLS

AF Gain, RF Gain, Sideband Selector, CAL-REC-TUNE/CW, Mic. Gain, Bandswitch, Carrier Balance, PA Plate Tune, Driver Tune, PA Load, Dial Set, Meter Switch.

REAR PANEL CONTROLS AND CONNECTIONS

Bias potentiometer, CW key jack, Jones plug power connector, Antenna jack, S-Meter zero, Auxiliary relay switching, Outboard VFO connector, Headphone Jack. The Vox Connector is located on the side of the chassis.

VACUUM TUBE COMPLEMENT

V1	12AU6 VFO Amplifier
V2	12BE6 Transmitter Mixer
V3	6GK6 Driver
V4	6LQ6 Power Amplifier
V5	6BZ6 Receiver RF Amplifier
V6	12BE6 Receiver Mixer
V7	12BA6 First IF Amplifier
V8	12BA6 Second IF Amplifier
V9	12AX7 Product Detector/Receive Audio
V10	6AV6 AGC Amplifier/Rectifier
V11	6AQ5 AF Output
V12	12BA6 100 KC Calibrator
V13	6JH8 Balanced Modulator
V14	12AX7 Microphone Amplifier

TRANSISTOR COMPLEMENT

Q1	2N706 Oscillator
Q2	2N5130 Buffer
Q3	2N706 Carrier Oscillator

POWER REQUIREMENTS

117 Vac., 60 cps, at 4 amps
(208-220-240 volt, 50-60 cps, at 2.5 amps max., export model)

12-14 volts DC operation with model 14-A converter unit plugged into back of 270B. Current drain: 8 amps, receive mode. 12 amps average with voice modulation. 25 amps maximum in TUNE mode. (See Fig. 5, page 9)

DIMENSIONS

Height	5 1/2 in.
Width	13 in.
Depth	11 in.

WEIGHT

Weight 24 lbs.