SPECIFICATIONS

FREQUENCY RANGE

BAND A .54—1.65 mc
BAND B 1.6 —4.6 mc
BAND C 4.4 —12.4 mc
BAND D 12 —30 mc

CALIBRATED BANDSPREAD

80 meters 3.5— 4 mc
40 meters 6.9— 7.3 mc
20 meters 14.0—14.4 mc
15 meters 20.5—21.5 mc
10 meters 26.6—30 mc

CALIBRATION ACCURACY

0.7% Max. deviation MAIN TUNING
0.15% Max. deviation BANDSPREAD

MAXIMUM AUDIO OUTPUT

.5 Watt

AUDIO OUTPUT IMPEDANCE

8Ω

AVC

Delayed action over —2.0 V bias

VARIABLE SELECTIVITY

300 cps — 4.5 kc (6 db down) Up to 60 db null and 70 db peak

SENSITIVITY

1.5 μV or better at 10:1 signal to noise ratio on Band B, C and D
4 μV or better on Band A

ANTENNA INPUT IMPEDANCES

Low impedance coaxial or twin-line

POWER CONSUMPTION

45 Watts at 117 V AC, 60 cps

BEAT FREQUENCY

Varies from zero beat to 5 kc

IF FREQUENCY

455 kc

HFO FREQUENCY

455 kc higher than incoming signal on Band A, B and C.
Lower than incoming signal by 455 kc on Band D

IMAGE REJECTION RATIO

	Low end	High end
Band A	80 db	40 db
Band B	68 db	40 db
Band C	30 db	25 db
Band D	40 db	20 db

DIMENSIONS

10 x 16 x 10¾″

NET WEIGHT

25 lbs.

TUBE COMPLEMENT

6BZ6 (RF Amp); 6BH8 (Mixer and HFO); 6AZ8 (1st IF Amp); 6AZ8 (2nd IF Amp); 6BC7 (Detector-AVC-ANL); 6AW8A (BFO and Power Amp); ECC83/12AX7 (Q Multiplier); 6X4 (Full wave rectifier); OB2 (Voltage regulator).

See page 45 for equipment used for specifications measurements.

FEATURES

PRINTED CIRCUITS USED IN RF, IF AND AUDIO STAGES

PRINTED CIRCUIT BANDSWITCH

MULTI-PURPOSE TUBES PROVIDE ELEVEN-TUBE PERFORMANCE

CONSTANT RUNNING HFO, WITH VOLTAGE-REGULATED B+ SUPPLY

BUILT-IN Q-MULTIPLIER PEAKS DESIRED SIGNAL OR NULLS INTERFERENCE

VARIABLE SELECTIVITY THROUGHOUT IF PASSBAND

DELAYED AVC ACTION

AUTOMATIC NOISE LIMITER

PROVISION FOR REMOTE-CONTROLLED STANDBY-RECEIVE

PROVISION FOR ADDITION OF S-METER AND CRYSTAL CALIBRATOR

TWO ANTENNA INPUTS—FOR COAX OR TWIN LINE

DELUXE, MODERN DESIGN—WELL VENTILATED CABINET—RUGGED CHASSIS