

Sideband Generator.

ational FunctionSSB, Linear AM, CW.

Frequency ControlCrystal Controlled Frequency Synthesizer.

Frequency Coverage3.5-4.1, 7.0-8.0, 14.0-15.0, 21.0-22.0, 28.0-29.0, & 29.0-30.0 Mcs.

Frequency StabilityIn normal operating environment (room temperature) drift during the first 15 minutes not in excess of 100 cycles. During any hour of operation thereafter within ± 25 cycles.

AccuracyBetter than ± 1 Kc on any band after calibration. Dial resetability ± 100 cycles.

ortion Products40 DB below peak signal (140 PEP input) with voice signal input and ALC in operation.

er Suppression50 DB below peak output.

and Suppression50 DB below peak output Upper or Lower Sideband.

ous Mixture

alsMore than 50 DB down.

onic OutputSecond harmonic down better than 43 DB.
Third harmonic down better than 55 DB.

ual Hum and

iseMore than 55 DB down.

o DistortionLess than 5% with ALC

Input Maximum

CW . . . 180 watts

Input Maximum

AM . . . 90 watts

Maximum.

Power OutputSSB . . . 100 watts
inal.
CW . . . 100 watts
inal.
AM . . . 20 watts
AM operation.

Receiver Disabling100 volts minus
vided, VOX op
contacts — two
and one SPST
against ground
ceive).

Output ImpedanceWill match 30-10
resistive loads.

Power ConsumptionStandby — 185
Transmit — 425

Primary PowerDesigned for op
from 115 V,
cycle, single ph
The transforme
ary is also tapp
105 and 125 v

Tube and Diode

ComplementFrequency Synth
2-6CB6, 1-6AL
1-5763.

Speech Amplifier

Circuits: 2-6C
1-6AL5.

Main Chassis: 2
2-6BA6, 1-6C
12AU7, 1-12B
6146, 1-6AL5,
ched Diodes,