



RADIO SERVICE BULLETIN

Issue: No. 94
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Subject: Model A5130

SPECIFICATION OF S.T.C. MODEL A5130.

CIRCUIT: Five valve Broadcast, A.C. operated superheterodyne, using converter, one stage of I.F. amplification Detector-audio stage, power output stage, and H.T. Rectifier, A.V.C., variable tone control, power switch.

TUNING RANGE:
530-1620 Kc/s.

INTERMEDIATE FREQUENCY:
455 Kc/s.

VALVE COMPLEMENT:
V1 Frequency changer 12AH8.
V2 I.F. Amplifier 6BA6.
V3 Detector and Audio Amplifier 6N8.
V4 Power output 6BW6.
V5 H.T. Rectifier 6X4.

POWER SUPPLY:
200-260 Volts 40-60 cycles A.C.
180 Milliamps with 240 volts at 50 cycles input.

LOUD SPEAKER:
Permagnetic 5 inch, 5000 ohm Transformer.

CIRCUIT VOLTAGES:

	Plate	Screen	Osc. Plate	Cathode	Heater
V1	230	84	84	0	5.9
V2	230	68	—	0	5.9
V3	64	16	—	0	5.9
V4	214	230	—	0	5.9
V5	246/246	—	—	230	5.9

These voltages must be measured to receiver earth with voltmeter having a resistance of at least 1000 ohms per volt (Tolerance $\pm 5\%$). Volume control must be turned to maximum.

MEASUREMENT SPECIFICATION:

I.F. Sensitivity—V1 grid 17 Microvolts.

I.F. Sensitivity—V2 grid 2.1 Millivolts.

Broadcast Sensitivity—4 Microvolts average.

These figures are related to an audio frequency output of 15 volts measured between plate of V4 and B + through a series condenser of .1 MFD capacity.

ALIGNMENT FREQUENCIES:

1400 Kc/s and 600 Kc/s.

CHECK POINT:

1000 Kc/s.

MODEL 5130

