



Radio Frequency Amplifier AM-14/APT is a wide band power amplifier designed primarily for use with Transmitting Equipment AN/APT-1, but may be used with other similar equipments operating in its frequency range. It is intended to increase the power output and thus enhance the jamming effectiveness of the associated transmitter. The equipment is similar to the RF Amplifier AM-18/APT, except that it covers a lower frequency band. The equipment is to be used against enemy airborne and ground radar and search equipment operating within its frequency range.

The equipment is designed with a two stage push-pull amplifier and incorporates a built in power supply. Power is furnished from an 80/115 volt, 400-2600 c.p.s. source.

Production of this equipment started during the first half of 1944. Army Supply Program requirements as of 1 August 1944 were 2,725 for the calendar year 1944 and 1,050 for 1945.

Test equipments required for the maintenance and

tuning of this equipment are Test Set I-139-A, Amplifier Alignment Unit TS-92/AP and Test Set I-56-K.

POWER INPUT	700 WATTS, 80/115 VOLTS; 400-2600 C.P.S. AND 20 WATTS, 24 VOLTS D.C.
POWER OUTPUT	100-150 WATTS
FREQUENCY RANGE	90-150 MC.
OUTPUT BANDWIDTH	3.5 MC.
DRIVING POWER	5-10 WATTS
INPUT IMPEDANCE	50 OHMS.

TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
2	4E27	2	836



Radio Frequency Amplifier AM-14/APT

RADIO FREQUENCY AMPLIFIER AM-14/APT TOTAL WEIGHT 62 LBS.

Component	Nomenclature	Size	Weight
R F Amplifier	AM-14/APT	7 5/8" x 10 1/8" x 21 3/4"	59 Lbs.
Mounting Base and includes plugs, adapters and cables	MT-171/U	2 1/4" x 10 5/8" x 22"	3 Lbs.