



BC-447-F

Figure 43. Radio Transmitter BC-447-F with Remote Control Unit RM-17-F.

Status: Standard. *Stock No.:* 2C6387-1. *Reference:* TM 11-827.

Radio Transmitter BC-447-F with Remote Control Unit RM-17-F and associated equipment are used in land stations for e-w radiotelegraph transmission.

Using Remote Control Unit RM-17-F, this transmitter may be controlled from a remote point by means of a single telephone pair and ground return. Either one of the two channels may be selected from the remote point.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: Channel 1: 4.0 to 13.4 mc. Channel 2: 2.0 to 8.0 mc.
 NUMBER OF CRYSTALS: 2.
 PRESET FREQUENCIES: 2.
 ANTENNA: Any suitable antenna using balanced 600-ohm transmission line.
 TYPE MODULATION: C-w.
 FREQUENCY CONTROL: Crystal controlled, or external, in both channels.
 POWER SOURCE: Ac operated from a 50- or 60-cycle power source of either 115- or 230-v. Draws a load of approximately 1,200 w from the supply line at a power factor of 96 percent.
 POWER OUTPUT: 300 w.

RANGE: Dependent upon antenna used, frequency, and ionospheric conditions.
 NUMBER OF TUBES: 13.

GENERAL APPLICATION

USE: C-w radiotelegraph transmission.
 TO COMMUNICATE WITH: C-w radiotelegraph sets.
 INSTALLATION: Fixed station.

PRINCIPAL COMPONENTS

Name	Dimensions (in.)	Weight (lb)
Radio Transmitter BC-447-F	72 x 35 27 1/8	871

WEIGHT AND VOLUME

	Unpacked	Export pack
Total weight (lb)	871	1,247
Total volume (cu ft)		92
Ship tons		2.3