



RECTIFIER UNIT
RA-44

RADIO FREQUENCY
AMPLIFIER
BC-642

MODULATOR UNIT
BC-643

BC-642

Figure 45. Radio Frequency Amplifier BC-642 in operating position with Rectifier Unit RA-44 and Radio Modulator Unit BC-643.

Status: Limited standard. *Stock No.:* 2C242.

Radio Frequency Amplifier BC-642, mounted in a metal cabinet, is part of Signal Corps 3-kw radio telegraph and telephone equipment. It is used with, but is not part of Radio Modulator Unit BC-643, Rectifier Unit RA-44 and Transformer and Contactor Unit BC-644.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 4.0 to 20.0 mc.
PRESET FREQUENCIES: 10.
ANTENNA: Fixed-station rhombic or doublet.
TYPE MODULATION: C-w and amplitude.
POWER SOURCE: 220-v, 3-phase, 60-cyc at 5 kva.
POWER OUTPUT: 3-kw.
RANGE: Long.
NUMBER OF TUBES: 12.

GENERAL APPLICATION

USE: Used with, but not part of Radio Modulator Unit BC-643, Rectifier Unit RA-44, Transformer and Contactor Unit BC-644.
TO COMMUNICATE WITH: Sets within frequency range.
INSTALLATION: Fixed.

PRINCIPAL COMPONENTS

<i>Name</i>	<i>Dimensions (in.)</i>	<i>Weight (lb)</i>
Radio Frequency Amplifier BC-642, in metal cabinet	78 x 48 x 78	590