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RADIO, MEDIUM, SR D11/R230, 1-TON, 4 x 4, AUSTIN K9

TECHNICAL HANDBOOK - DATA SUMMARY

PURPOSE

This is a general purpose medium power h.f. station radio mounted in a box type body for use by R Sigs. The station can be used on the move, stationary, or dismounted for ground use in a suitable shelter and is capable of operation from a common aerial or separate aerials.

DESCRIPTION

The station consists of a T D11, an R R230 and a separate power supply unit for the transmitter, all rack mounted and fitted transversely across the front of the body. Separate aerial matching units for transmitter and receiver are provided. A control harness giving the following facilities is provided:-

(a) Simplex telephony, either DSB or SSB.

(b) Duplex telephony, DSB, SSB, ISB. Two speech channels on ISB, one of which may be remotely controlled.

(c) Simplex telegraphy, teleprinter, or c.w. 'break in' using hand key.

(d) Duplex telephony or telegraphy (FSK) using a teleprinter with the transmitter up to 5 miles away from the receiver and other equipment.

(e) Modes *(a)*, *(c)* and *(d)* and the remote channel in *(b)* can be controlled by an operator situated up to half a mile away from the equipment.

FREQUENCY RANGE

2.1 to 21.999Mc/s continuous coverage
Power output 350W maximum
70 miles stationary with vertical aerials 43 ft high
35 miles on the move with 16 ft V aerials

`RIALS

Stationary: Rod aerials up to 43 ft in height mounted up to 100 ft from the transmitter.

Unbalanced long wire aerials
Coaxial (75Ω) fed aerials

Mobile: 16 ft vertical rod or 16 ft V rod aerials

POWER REQUIREMENTS

100-125Vand 200-250V, 50c/s, a.c., supply, 2.5kVA

Generating set, a.c., 3.1/2kVA (two) in Trailer, 1-ton, 2 whld cargo.

INSTALLATION KITS

Complete Station List CSL 147/2, Issue 2, Jan 1961.

PHYSICAL DATA

Weight, complete installation (excluding station spares) mounted in vehicle - 4 ton 18 cwt.

REFERENCE EMERs

Transmitter, radio D11	Tels D 130-139
Receiver, radio, R230	Tels E 580-589
Station radio D11/R230	Tels I 040-049
Teleprinter, WD, No 7B	Tels S 020-029
Unit, electric shock protection	Power H 180/1
Generating set, 3.1/2kVA (two) in Trailer, 1-ton, 2 whld cargo	Power C 460/3

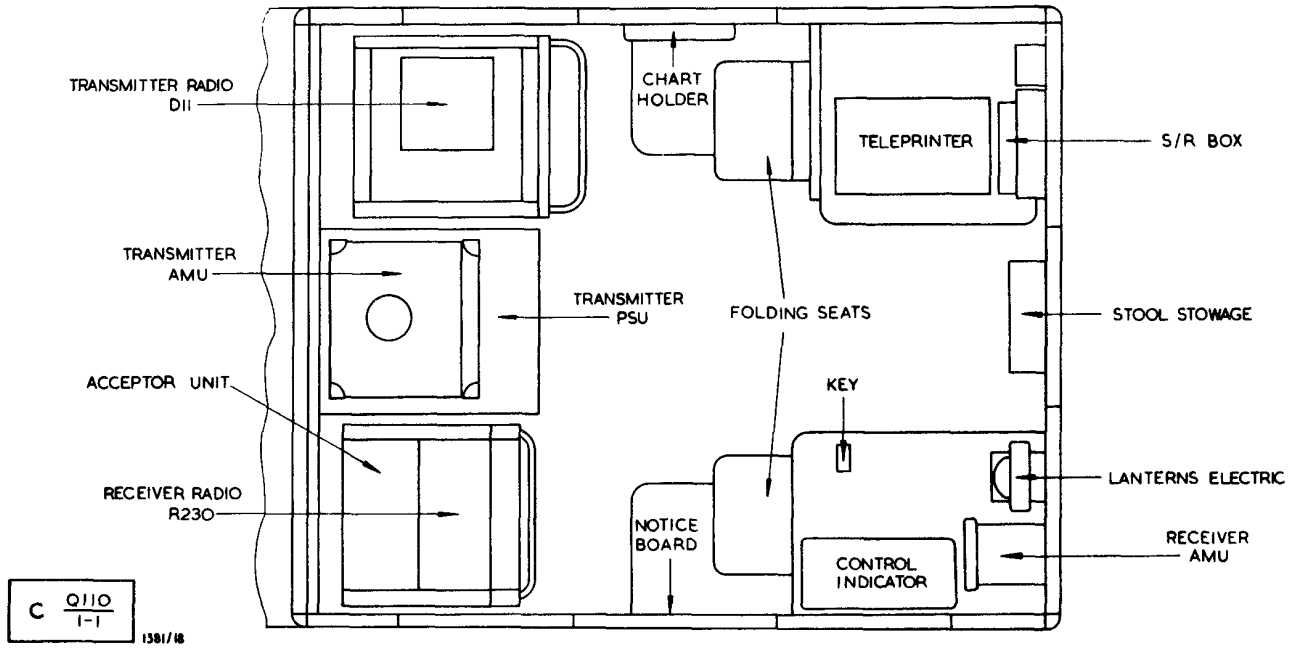

Fig 1 - Plan view of installed equipment

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