

AERIAL OUTFIT AYH

SUMMARY OF DATA

PURPOSE

Aerial Outfit AYH is a DF System capable of receiving pulsed radar signals in the range 2.5 GHz to 18 GHz. The received signals are processed and video outputs are provided which are suitable for display on an appropriate EW Display.

BRIEF DESCRIPTION

The equipment comprises four sets of microwave components, one for each frequency band. The video outputs from each band are provided for Fore, Starboard, Aft and Port.

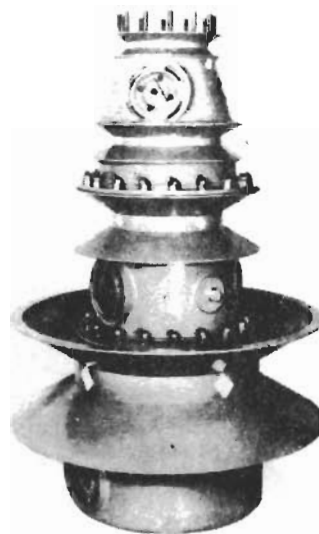
An integral test source enables the performance of the antenna to be checked.

FREQUENCY RANGE

Continuous cover is provided over the following bands:

- 2.5 GHz to 4.1 GHz
- 4.1 GHz to 6.9 GHz
- 7.3 GHz to 11.5 GHz
- 11.5 GHz to 18.0 GHz

NOTE Agreed reduced sensitivity over 6.9 GHz to 7.3 GHz range.



MAJOR UNITS

Antenna	5985-99-924-7968	1 off
Bias Injection Unit	5985-99-924-9907	2 off
Bias Injection Unit	5985-99-924-9906	1 off
Meter Assembly	6625-99-924-8278	1 off
Control Test Source	5985-99-579-6796	1 off
Switch Unit Design 108 AP 70102		1 off

PHYSICAL DATA

Unit	Diameter	Height	Width	Depth	Weight
Antenna	72 cm (28.25 in. max)	110 cm (43.75 in.)	-	-	304.8 Kg (672 lb)
Bias Unit (9907)	-	6.35 cm (2.5 in.)	15.2 cm (6 in.)	2.5 cm (1 in.)	0.5 Kg (18 oz)
Bias Unit (9906)	-	6.35 cm (2.5 in.)	15.2 cm (6 in.)	2.5 cm (1 in.)	0.6 Kg (21 oz)
Meter Assy	-	8.89 cm (3.5 in.)	12.7 cm (5 in.)	10.1 cm (4 in.)	0.5 Kg (18 oz)
Control Test Source	-	19 cm (7.5 in.)	29.2 cm (11.5 in.)	17.7 cm (7 in.)	-

HANDBOOK

BR 354

ESTABLISHMENT LIST

S1510

INSTALLATION SPECIFICATION

B869/RI Addendum G.