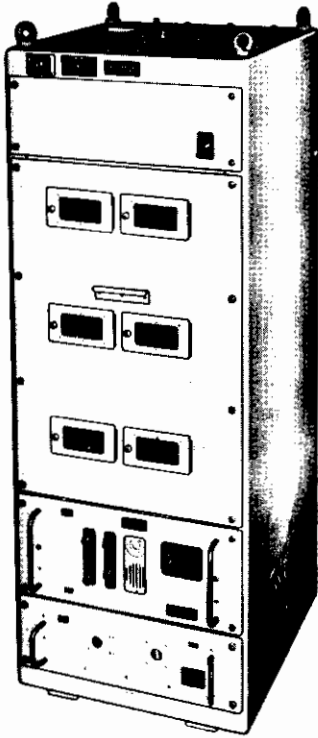
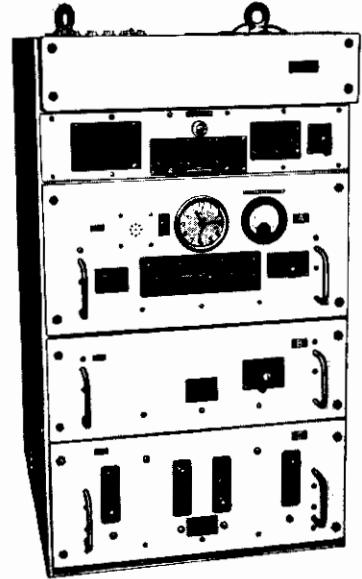


**RESTRICTED**BR 333(1)  
Original**FREQUENCY STANDARD OUTFIT FSA(1)(2)****FSA(1)(2)****SUMMARY OF DATA**

FREQUENCY STANDARD ASSEMBLY



FREQUENCY DIVIDER ASSEMBLY

**PURPOSE**

To provide highly accurate (1 in  $10^{10}$ ) and stable frequency output at 100 kHz, subsidiary outputs at 5 MHz and 1 MHz, and sub-multiple frequencies for use with external communication equipment.

**BRIEF DESCRIPTION**

The equipment consists of two cabinets, one containing Generator Frequency Standards, LF Receiver and Comparator, Comparator Signal and Power Supply. The other containing Frequency Dividers, a Selector Switch, a Clock and a Monitoring Panel. The Frequency Standard in use is selected. In the event of failure of the selected Standard, another standard is automatically switched in. Each Frequency Standard has a built in battery providing an automatic emergency supply to the Standard. Visual and audio alarm facilities are fitted.

**MAJOR UNITS**

AP or NSN No.	Description	Qty.	Physical Data			
			Height in	Depth in	Width in	Weight lb
5820-AP 164609 )	Frequency Divider Assembly	1	39½	24	22	143
5820-AP 164610 )	Cabinet, Frequency Divider	1	10	21	20	33
5820-AP 164605 )	Frequency Divider	1	7	21	21	20
5820-AP 164611 )	Power Supply	1	9	21	21	33
5820-AP 164647 )	Frequency Standard Assembly	1	65½	27½	24	600 (with drawers)
5820-99-580-7801 )	Cabinet, Frequency Standard	1	7	13	19	20
5820-99-916-4684 )	Generator, Frequency Standard	3	10	19	23	-
5820-99-916-4688 )	Receiving Set Radio	1	7½	18½	19	31
	Comparator Signal	1				

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## POWER REQUIREMENTS

Cabinet, Frequency	: 115/230 V	50/60 Hz	Two anti-condensation heaters	} 300 W
Divider	: 115/230 V	50/60 Hz		
Cabinet, Frequency	: 115/230 V	50/60 Hz	200 W (Single phase no break supply)	
Standard	: 115/230 V	50/60 Hz	50 W Two anti-condensation heaters	

## INPUTS

Aerial lead to LF Receiver

## OUTPUTS

Selected Standard 100 kHz

Cabinet, Frequency Standard (if required) { 5 MHz  
1 MHz

Cabinet, Frequency Divider (to distribution system) { 100 kHz  
10 kHz  
1 kHz  
100 kHz

## HANDBOOK

BR 2390

## ESTABLISHMENT LIST

E1302

## INSTALLATION SPECIFICATION

B919

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