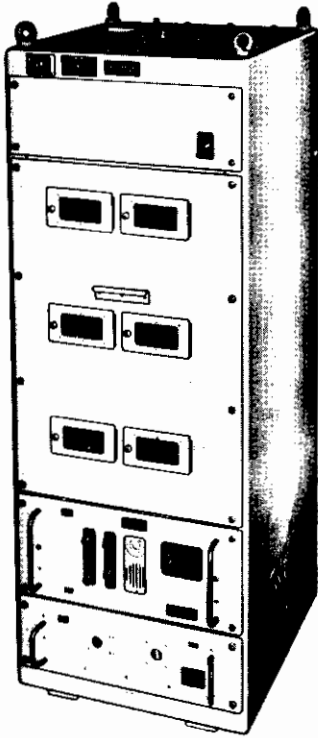
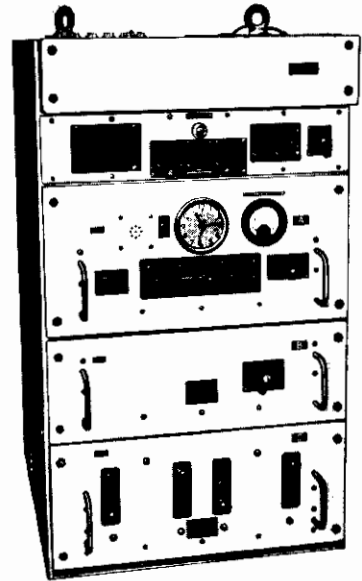


RESTRICTEDBR 333(1)
Original**FREQUENCY STANDARD OUTFIT FSA(1)(2)****FSA(1)(2)****SUMMARY OF DATA**

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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