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TECHNICAL MANUAL
PERFORMANCE STANDARDS SHEET

RADIO RECEIVER

R-390A/URR

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**PERFORMANCE STANDARDS SHEET
FOR
RADIO RECEIVER R-390A/URR**

TABLE 1 - OPERATIONAL PERFORMANCE
The many variables involved, such as radio propagation conditions at the time of test, power output of the transmitter being received and the type of antenna installation, preclude definitive predictions of operating ranges. To achieve optimum reliable ranges frequency selection should be made in accordance with DNC-14, as corrected by half-hourly radio propagation prediction given over WWV and WWVH.

TABLE II - STANDARDS FOR EQUIPMENT MEASUREMENTS			
MEASUREMENTS	SECTION AND STEP	STANDARD	
Receiver Sensitivity	F - 10	_____ μV	
Receiver Noise Figure	See Note 3	dbm max	
Performance Figure (PF)*	Calculate	max	
Bandwidth Setting 1	F - 11	STANDARD	BANDWIDTH
		0.8 to 1.3	KC
Bandwidth Setting 2	F - 11	1.9 to 2.3	KC
Bandwidth Setting 4	F - 11	3.6 to 4.4	KC
Bandwidth Setting 8	F - 11	Not Less than 7.5	KC
Bandwidth Setting 16	F - 11	Not Less than 13	KC
AGC Level Against CARRIER Level	F - 12	REFERENCE	SIGNAL INPUT
		20 DB	DB
		40 DB	DB
		58 DB	DB
		78 DB	DB
		100 DB	DB
	F - 12	0 DB	DB

*PF = $S_r (\mu V)$

NOTE:

1. Total time required to accomplish measurements of Table II: 1-1/2 Hours
2. All sections and steps refer to tests in Part I of the Maintenance Standards Book NAVSHIPS 93063.42A.
3. Applicable for equipment frequencies above 30 MC.