

Engineering Department
Radiomarine Corporation of America

LABORATORY TEST REPORT

Model AR-8506-B Radio Receiver

Serial # _____

Cabinet type

Standard Test Output

Date _____

Table or 4U

6 MW - 600 ohms (1.9 volts)

Tested by _____

Sensitivity Test (MCW)

IRE Std Dummy Ant.

100/1 Signal to Noise Ratio (2.0 V. mod. on)
0.2 V. mod. off)

Band 1		Band 2		Band 3		Band 4		Band 5	
Freq.	uv	Freq.	uv	Freq.	uv	Freq.	uv	Freq.	uv
85 KC	_____	220 KC	_____	2 MC	_____	5.5 MC	_____	12 MC	_____
120 KC	_____	350 KC	_____	3.5 MC	_____	8 MC	_____	18 MC	_____
200 KC	_____	500 KC	_____	5 MC	_____	12 MC	_____	24 MC	_____
Average Sensitivity - M.C.W. = 10-35 u.v.									

Check the following for proper operation:

AVC Loudspeaker Tuning Drive
BFO Phones RF and AF Gain Controls

Check operation from AC line.

Radiation Test

Band 1	Band 2	Band 3	Band 4	Band 5
100 KC _____	500 KC _____	5 MC _____	10 MC _____	20 MC _____

Voltage Check (115 V DC Input)

B+ to B-: _____ (92 Volts Nominal) (Refer to T-119E
Osc. Plate Voltage: _____ (65 Volts Nominal) for additional
R-127 Filament Resistor Drop: _____ (15 Volts Nominal) Voltage Data)..

Type Test: Check the following on 1 receiver out of each 25.

Selectivity: Check against typical curve in Instruction Book.

Fidelity: Check against typical curve in Instruction Book.

Image Rejection: Check against Instruction Book values.

CW Sensitivity: Check to see that CW sensitivity is somewhat better than MCW sensitivity.