HALLICRAFTERS SR-500 PERFORMANCE DATA

OWNER

SERIAL #

DATE

RECEIVER PERFORMANCE:

Overall Sensitivity (gain)
The receiver will produce 500 mw audio out with 1.5 uv RF signal at the antenna terminal.
Tests performed at center of General Class bands

BAND	TEST FREQ	SIG REQ FOR 500mw
80		
40		
20		

Overall Sensitivity (S+N:N)
A 1.0uv signal at the antenna terminal will produce a minimum 20db s+n:n.

BAND	TEST FREQ	SIGNAL LEVEL	S+N:N MEASURED
80			
40			
20			

AGC Figure of merit
With a signal at the antenna terminal from 5uv to 1500uv no more than a 10 db variation shall occur.

MEASURED CHANGE	

"S" METER CAL
The S meter will read S-9 when between 25 and 100uv are injected at the antenna terminal.

LEVEL FOR S-9	

TRANSMITTER PERFORMANCE:

Tests performed with 50ohm resistive load. Measurements made with BIRD avg power and PEP power meter.
Bench power _**119**_ vac

Final amplifier bias set to 100 ma SSB mode zero drive. __**ok**___

Neutralization performed @ 14.150 MHZ. __ **ok** ___

Carrier balance null _____ db below full power output level.

Microphone input sensitivity at 1000HZ. A signal level not more than 10 mv rms shall produce the minimum specified SSB output at specified freq. Mic gain set just below flat-topping and should occur between 60% and 80% of rotation.

Flat-topping occurred at __% of mic gain rotation with 5 mv audio input.

FREQ	MIN SPEC	PEP
3.9mhz	200 W min	
7.3mhz	215 W min	
14.3mhz	210 W min	

CW power output with RF level set just to saturation level.

FREQ	MIN SPEC	AVG POWER
3.9mhz	180 W min	
7.3mhz	190 W min	
14.3mhz	185 W min	

SSB TX AUDIO RESPONSE.
From 600hz thru 2700hz no more than 3 db change in output power.
Actual 3db points __Hz to __HZ
If multiple peaks occur within the pass band there will be no more than 2db from the peak to valley between. _____

73 Walt, ***WDØGOF***