HALLICRAFTERS SR-400A PERFORMANCE DATA

OWNER

SERIAL #

DATE

RECEIVER PERFORMANCE:

Overall Sensitivity (gain)
The receiver will produce a minimum of 500 mw audio out with 1 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		
15		
*10 opt 1		
10 std		
*10 opt 2		
*10 opt 3		

* tests performed only if options are installed.

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			
15			
*10 opt 1			
10 std			
*10 opt 2			
*10 opt 3			

* tests performed only if options are installed.

AGC Figure of merit

With a signal at the antenna terminal from 1uv to +60db 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.
Hi voltage __vdc B+ __vdc Bias -__vdc

Final amplifier bias set to 70 ma SSB mode zero drive. _____

Neutralization performed @ 21.3 MHZ. _____

Carrier balance null _____ db below full power output level (60 db or more).

Microphone input sensitivity at 1000HZ. A signal level not more than 5mv 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.

FREQ	**MIN SPEC**	*** @ 5mv**
3.8mhz	175 W min	
7.3mhz	175 W min	
14.3mhz	170 W min	
21.3mhz	140 W min	
28.8mhz	100 W min	

*Avg RF power output with 1KHZ @ 5mv at mic input jack measured with Bird or equivalent

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

FREQ	**MIN SPEC**	**AVG POWER**
3.8mhz	175 W min	
7.3mhz	170 W min	
14.3mhz	170 W min	
21.3mhz	140 W min	
28.8mhz	100 W min	

SSB TX AUDIO RESPONSE.
From 500hz thru 2400hz no more than 6 db change in output power. _____
If multiple peaks occur within the pass band there will be no more than 2db from the

peak to valley between. _____

73 Walt, ***WDØGOF***