HALLICRAFTERS SR-160 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.
Hi voltage __vdc B+ __vdc Bias -__vdc

Final amplifier bias SR-160 set to 60 ma SSB mode zero drive. _____

Neutralization performed @ 14.150 MHZ. _____

Carrier balance null >50db measured _____ db below full power output level.

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

FREQ	MIN SPEC	PEP @ 4mv
3.8mhz	75 W min	
7.3mhz	75 W min	
14.3mhz	70 W min	

CW power output with RF level set just to saturation level. Should occur between 1/3 and 2/3 rotation.

FREQ	MIN SPEC	AVG POWER
3.8mhz	70 W min	
7.3mhz	70 W min	
14.3mhz	70 W min	

SSB TX AUDIO RESPONSE.
From 600hz thru 2700hz no more than 3 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***