

SQUIRES SANDERS SS-1R SPECIFICATIONS

1. Frequency Coverage:

Band	Coverage
80	3.5 - 4.0 (or any 500 kc 4.0 - 5.0*)
40	7.0 - 7.5
20	14.0 - 14.5 (or any 500 kc 11.0 - 16.5*)
15	21.0 - 21.5 (or any 500 kc 20.5 - 28.0*)
10A	28.0 - 28.5
10B	28.5 - 29.0
10C	29.0 - 29.5
10D	29.5 - 30.0
WWV 10	10.0 Fixed Tuned
WWV 15	15.0 Fixed Tuned
GA*	Any 500 kc 7.5 - 11.0
GB*	Any 500 kc 16.5 - 20.5
WWV 5	5.0 - 5.5 (internal switch)

*with optional crystals

2. Selectivity:

Filter	-6 dB	-40 dB	-60 dB
AM	5.0 kc	15.0 kc	25.0 kc
SSB	2.5 kc	4.4 kc	5.0 kc
CW	.35 kc	1.4 kc	2.7 kc

3. Sensitivity: 1/2 microvolt or better for 10 dB signal-to-noise ratio measured with 5 kc bandwidth on 10 meters.

4. Frequency Stability: Less than 500 cps drift from cold start. Typical warm-up time is less than 5 minutes. Less than 100 cps frequency change thereafter with 105 to 125 V line variation.

5. Frequency Accuracy: +/- 1 kc maximum error.

6. I.F. and Image Rejection: Greater than 60 dB all amateur bands.

7. Internal Spurious: None at stated sensitivity.

8. Cross Modulation: When receiving a 10 microvolt signal with 2.5 kc or .35 kc selectivity, an unwanted 0.1 volt signal 20 kc away will produce negligible cross modulation. In any mode, when receiving a 1.0 microvolt signal, an unwanted 0.5 volt signal 100 kc away will produce not more than 3 dB signal reduction.

9. AGC Time Constants:

Attack 0.001 sec.
Release 0.1 sec., Fast
Release 1.0 sec, Slow

10. Audio Output: 2 watts max. 4 or 500 ohms.

11. Antenna Input 52 ohms nominal, accepts UG-88/U connector.

12. Mute: Provision is made for muting the receiver on transmit. External contacts open on transmit, closed on receive, are required.

13. Size and Weight: 7-3/4" high x 16-1/4" wide x 13" deep, 25 pounds.

14. Power input: 105-125 volts AC, 60 cps, 55 watts.

15. Tubes and Diodes: 12 tubes, 1 silicon diode, 3 silicon rectifiers.