



The following measurements were taken using the built-in RF probe (transmit mode only) with a 100 Ω resistor connected in series with the probe.

BAND	READING
3.5	50
7.0	20
14.0	2
21.0	0
WWV	50
28.0	50
28.5	50
29.0	50
29.5	50

The following measurements were taken at this point using the built-in RF probe (in either transmit or receive modes).

BAND	READING
3.5	60
7.0	60
14.0	20
21.0	10
WWV	6
28.0	5
28.5	4
29.0	3
29.5	3

The following measurements were taken at this point using the built-in RF probe (in either transmit or receive modes).

BAND	READING
3.5	5
7.0	4
14.0	3
21.0	4
WWV	3
28.0	3
28.5	3
29.0	3
29.5	2

SCHEMATIC OF THE HEATHKIT® SINGLE SIDEBAND TRANSCEIVER MODEL SB-104A

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- NOTES:
- ALL RESISTORS ARE 1/2 WATT UNLESS OTHERWISE SPECIFIED. VALUES ARE IN OHMS, K=1,000, M=1,000,000.
 - CAPACITOR VALUES LESS THAN 1 ARE IN μF. VALUES OF 1 AND HIGHER ARE IN PF UNLESS OTHERWISE SPECIFIED.
 - THE BANDSWITCH IS SHOWN AT THE 3.5 MHz POSITION AND THE MODE SWITCH AT LSB.
 - REFER TO THE PIN-OUT DIAGRAMS AND IDENTIFICATION CHARTS FOR INFORMATION CONCERNING TRANSISTORS, DIODES, AND INTEGRATED CIRCUITS (ICs).
 - REFER TO THE APPROPRIATE PARTS LIST FOR CROSS-REFERENCE BETWEEN SCHEMATIC COMPONENT DESIGNATIONS AND PART NUMBERS.
 - SOME RF MEASUREMENTS ARE SHOWN USING THE BUILT-IN RF PROBE. TO USE THIS PROBE, CONNECT THE END OF THE BLUE TEST LEAD (SEE FIGURE 1-5 IN THE ILLUSTRATION BOOKLET) TO THE INDICATED CHASSIS TERMINAL PIN. BE SURE ALL METER BUTTONS ON THE FRONT OF THE TRANSCEIVER ARE IN THE OUT POSITION.
- SYMBOLS:
- ▶ A PLUG-IN CONNECTION.
 - CIRCUIT BOARD GROUND.
 - CHASSIS GROUND.
 - IDENTIFIED CIRCUIT BOARD HOLES.
 - CIRCUIT BOARD EDGE CONNECTOR.
 - ⊖ FERRITE BEAD.
 - ⊕ PHONO SOCKET.