

General:

The tests, measurements and results reported here were made to determine compliance of the Mentor Model MB Aircraft Band Base Station with FCC type acceptance rules parts 2.985 through 2.999. Reference is also made to FCC Rules parts 87.67 through 87.73, which contain specifications and limitations that must be met.

Also, reference is made to part 87.75(d)(1) requiring a visual indication of transmitter radiation. The Model MB contains an indicator lamp that responds to an rf voltage at the antenna connector.

Measurements and Test Data:

1. RF Power Output--part 2.985

Equipment: RF Wattmeter, Bird Model 43 with 25 watt
100-250 Mhz element
Coaxial Resistor, Bird Model 8135, 50 ohms
150 watts
RG-58A/U coaxial cables and connectors
as needed

Procedure:

- (a) Connect RF Wattmeter and RF Resistor to MB antenna connector, via coax cables
- (b) Tune up the Model MB transmitter section in accordance with tune-up procedure method 1 given in the accompanying technical description
- (c) For each frequency to be tested, energize the transmitter, without modulation, and record power indicated by RF Wattmeter. Check that there is no significant reflected power by reversing wattmeter element.

Results:

<u>Frequency</u>	<u>RF Power</u>
123.15 Mhz	11.5 watts
122.95 "	11.5 "

- Notes: 1. Different transmitters will have different sections of channels. Power output of individual transmitters may vary from 8 watts to 13 watts.
2. Number of channels may vary from one to six.