## **Power Measurements**

The translator's power meter circuit uses a detected sample from a coupler on the output. An averaging detector circuit provides the DC level to drive the translator's output level meter.

The translator was connected to a test load through a calibrated directional coupler. The spectrum analyzer's "Channel Power" function was used to measure the average power level of the signal as sampled through the directional coupler. (see Fig.).

Measured power: 0.0dBm

Coupling/cabling

loss: 14.0 dB

Attenuator @ i/p to

spectrum analyzer <u>16dB</u>

Power: 30.0dBm

Power = 1.0 Watt



