

BZ5MXI802UD  
Application for FCC Certification  
325 Watt Digital Television Translator

**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 figure below).

**Measured power:** 3.00dBm  
**Coupling loss:** 52..50dBm  
**Attenuator @ i/p to spectrum analyzer:** 0 dB  
**Power:** 55.5dBm  
**Power:** 355 Watts

