

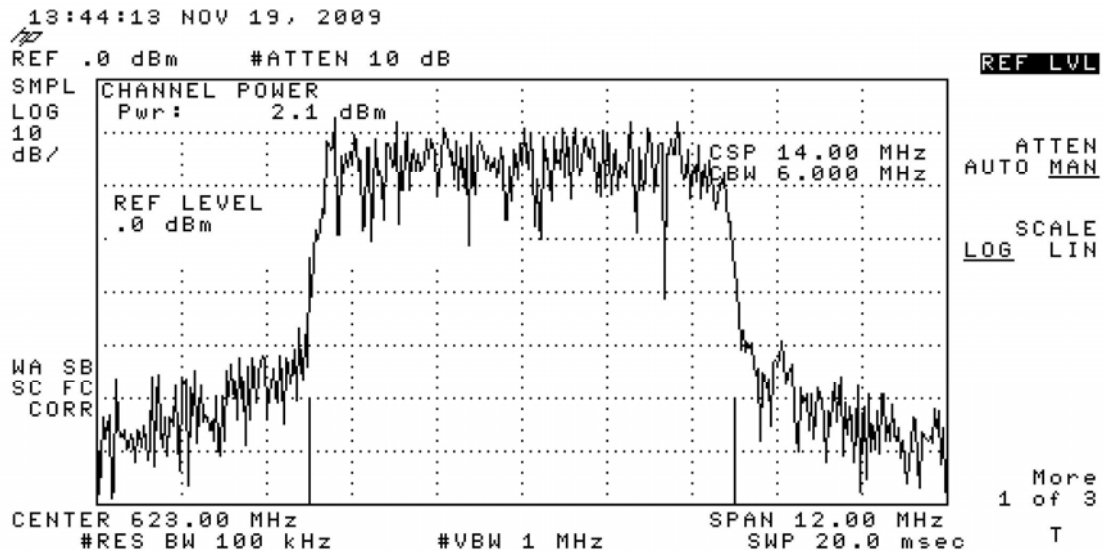
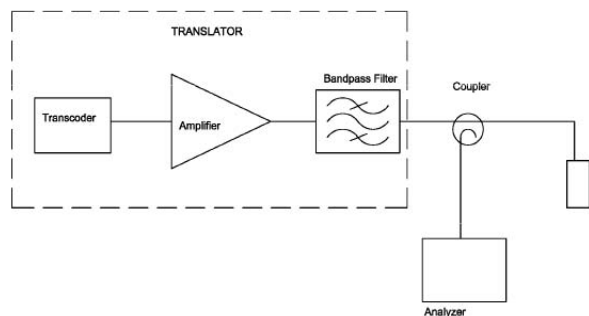
BZ5MXI802UD
Application for FCC Certification
325 Watt Digital Television Translator

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: 2.1dBm
Coupling and cable loss: 50.0dBm
Attenuator @ i/p to spectrum analyzer: 3 dB
Power: 55.1dBm
Power: 325 Watts



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