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## Application for Equipment Certification

Feb 07, 2015

To Whom it may Concern,

This letter and the accompanying test report and documents are in application for FCC Certification of a series of Digital Television transmitters to be operated under the requirements of FCC Part 27.53 (j).

Four models of the Maxiva LAXT series of transmitters are included in this application, with power output ratings from 50 watts to 400 watts, before the output filter. All models use identical sub-assemblies, with the only significant difference between them being that the 400W system uses a combiner and the other system could have single or dual outputs to achieve the desired power levels. The other significant difference being the number of output amplifier modules used to produce the required power.

The Maxiva LAXT series of transmitters are an advanced modular design, using the same components and assemblies in a building-block approach to create transmitters with output power ratings from 50 watts to 400 watts at the output connection or connections.

A single transmitter houses each model. Our test report intends to show that the performance of the transmitter is well within the limits imposed by Part 27.53 (j).

Tests were conducted on a single 400 watt model, the LAXT-400. This is the highest output power level offered in this series of transmitters. These tests are also asserted to be typical of the performance to be had from lower power versions of the same transmitter.

