

LBA Technology manufactures transportable medium-wave antenna systems which are in use worldwide. Typically, this equipment supports military or disaster broadcasting or in other situations in which it is not feasible to erect a permanent structure. LBA presently has or anticipates contracts for new types of systems for NATO countries and the Department of Homeland Security which require new innovations to respond to current operational and threat situations.

These transportable antennas are tested in the medium wave band, where operation is authorized under WC2XXK at 400 watts ERP on several frequencies. Test data demonstrating the actual operation of purpose-built medium-wave transportable antennas is typically taken for design concept adjustment and acceptance testing.

Our customers' requirements for higher-powered mobile antennas are increasing. They are not finding it acceptable to develop and test antennas at the presently authorized lower power and merely interpolate the results to the higher power. To meet their mission requirements, actual test data at a higher power level is increasingly being required. Therefore, LBA Technology is requesting authority to add an additional medium-wave frequency at 1620 kHz for use at a maximum 5000 watt ERP power level in order to support this critical infrastructure need.

An example of the applicability of this need is a recent antenna system developed and built in 2005 for the US Marine Corps. Lack of appropriate test authority precluded us incorporating a full power test plan prior to its deployment to Afghanistan. We believe that the ability to offer such testing to these customers in the future would be in the public interest.