

**REQUEST FOR EXTENSION OF EXPERIMENTAL
SPECIAL TEMPORARY AUTHORITY
(CALL SIGN WH9XLI)**

Dielectrics, Inc. ("Dielectrics") hereby respectfully requests extension of its above-referenced Special Temporary Authority ("STA"), granted under Part 5 of the Commission's rules, to permit it to continue to operate equipment at a variance from the current authority that the subject equipment has under Part 18 of the Commission's rules.¹

As stated in its initial request, Dielectrics operates over eighty (80) pieces of Industrial, Scientific, and Medical ("ISM") equipment at its headquarters in Chicopee, MA. This equipment is used to weld plastic materials, for the manufacturing of medical devices, by utilizing RF, impulse, thermal, and ultrasonic processes. This ISM equipment is produced by a variety of manufacturers.

Dielectrics sought and was granted authority to modify the operation of its equipment to a slightly higher frequency range in order to respond to a request by the Federal Aviation Administration ("FAA") and the Federal Communications Commission ("FCC").

Dielectrics continues to work with the FAA and FCC to reach a long-term solution that satisfies the needs of both the FAA and Dielectrics. Because that work is ongoing, Dielectrics hereby requests extension of its experimental STA so that it may continue operation of the equipment in the 28.0-29.4 MHz band.

Based on the foregoing, Dielectrics hereby submits that the public interest will be benefited by grant of the subject extension application.

¹ Part 18 governs the used of Industrial/Scientific/Medical ("ISM") equipment that is authorized under the Declaration of Conformity or equipment certification procedures prior to use or marketing. See 47 C.F.R. 18.203.