

**APPLICATION FOR SPECIAL TEMPORARY AUTHORITY**

Caliloa Engineering, LLC (“Caliola”), pursuant to Section 5.61 of the Commission’s rules, hereby requests Special Temporary Authority (“STA”) commencing on March 26, 2025 and expiring on April 9, 2025 in order to demonstrate its HF radio equipment and technology for the Defense Advanced Research Projects Agency (“DARPA”).<sup>1</sup>

Specifically, Caliola is testing and developing new HF band datalink technology, including (but not limited to) work it is performing under contract with the U.S. Air Force Global Strike Command (“AFGSC”) for which it currently holds experimental license authority.<sup>2</sup> The purpose of this request is to authorize a new location in West Sumerland Key, Florida to support a temporary demonstration of its equipment for DARPA. Testing is expected to take place intermittently, with active transmissions lasting 10 minutes or less.

To minimize the potential for interference, Caliola is requesting authority to operate at a much lower power level (20 Watts as opposed to 1 kW) than its current experimental license allows. Moreover, Caliola’s equipment is designed to monitor active HF spectrum use and to dynamically select an unoccupied (or the least occupied) channel on which to operate. Before commencing operations at the new location, Caliola will search the FCC’s license records to determine whether there are any nearby, co-channel licensees with which it should coordinate frequency use. For operations on or near military facilities, Caliola will work with military authorities to coordinate operations. Caliola also will operate in accordance with applicable FCC technical rules and will immediately cease operations in the event its transmissions cause harmful interference to other authorized HF band users.

For the reasons set forth herein and in its initial license application, Caliola respectfully submits that Commission approval of this request for a conventional experimental radio station license will serve the public interest, convenience and necessity.

**STOP BUZZER CONTACT**

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<sup>1</sup> 47 C.F.R. § 5.61.

<sup>2</sup> See WO2XPO (FCC File No. 0185-EX-CM-2024).