

### **Exhibit - Request for Experimental Authorization - Market Trials**

MatrixSpace, Inc. ("Applicant") hereby requests an experimental license to conduct market trials utilizing the 24.45-24.65 GHz (radio navigation and radiolocation) frequency. This demonstration would be conducted from ground level and allow our partner, Ledios, to demonstrate and test the capabilities of our radar technology for DOD applications.

#### **Directional antenna:**

Demonstration horizontal direction is variable depending on the test target and can be directed at any point of the 360-degree compass and 0-90 degrees in the vertical plains. The sensor will temporarily mounted on a 2m tripod in a 1.5km radius of Site 1.

#### **Operation Description:**

The applicant proposes to test up to one (1) device under this requested license. The applicant will demonstrate this device for detecting UAS and general aviation aircraft within the airspace. This is intended to support testing for DOD applications. **No directed energy / RF jamming /electronic attacks will occur.**

**Location: Mobile:** 34°44'30.09"N, 85°55'8.07"W  
Athens, AL 35613  
Radius: 1.5 km

Drones will be flown for detection and tracking demonstration purposes. The unmanned aerial systems will be flown by FAA-certified UAS Pilots under 14 CFR Part 107 rules in Class G airspace (unrestricted airspace), which requires no pre-authorization for flight operations. GA aircraft detection will be tract as they may present themselves in the area by circumstance.

The applicant already holds several conventional experimental licenses (under Section 5.3(j) of the Commission's Rules) and licenses to conduct market trials (under Section 5.3(k) of the Rules) in the band, as well as in other bands, which use, in some cases, somewhat more extensive power and other parameters than those proposed within this request. *See* Call Sign WW9XYU, FCC File No. 1014-EX-ST-2024; Call Sign WN2XOI, FCC File No. 0692-EX-CN-2023; and Call Sign WN2XFM, FCC File No. 1206-EX-CN-2022 ("Existing Licenses").

Applicant hereby requests FCC approval to conduct market trials for a subset of the frequencies and powers approved under the Existing Licenses, but at different locations and for the purpose of market trials under Section 5.3(k) of the Commission's Rules. The applicant proposes to test up to one (1) device. The applicant is in the process of product improvements and would like to confirm that the device may be deployed successfully in real-world

conditions. These trials will be used to model potential applications and otherwise enhance potential product offerings (including radiolocation and radionavigation offerings) for the device, subject, of course, to further Commission approvals as needed.

Applicant understands that it only may lease equipment to trial participants, unless those participants also obtain an experimental authorization for this test (and, to the extent necessary, hereby requests approval to market and/or lease such devices to such participants, as otherwise approved herein). Because approval of the proposed license will contribute to the development of new technology, the proposed license is consistent with the public interest.

The applicant does not believe the demonstration detailed herein will result in any harmful interference; testing will occur on private lands in a sparsely populated area, and testing However, in the unlikely event, that any interference issues arise pursuant to operations under this experimental license, the stop buzzer contact is David Cameron, reachable at 408-761-2923 or [David.cameron@matrixspace.com](mailto:David.cameron@matrixspace.com)