

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 (radionavigation and radiolocation) frequency. These trials would be from ground level and will allow the applicant to demonstrate and test the capabilities of its radar technology.

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.

Operation Description:

Site 1 Fixed: 38°59'11.03"N, 77°25'15.43"W
45662 Terminal Dr #110,
Sterling, VA 20166

Site 1: The applicant proposes to test up to four (4) devices (eight (8)) in total between the two sites) under this requested license. The proposed partner, Dedrone, will use these devices to develop and evaluate a system for detecting general aviation aircraft within the airspace. This is intended to support future beyond-visual-line-of-sight (BVLOS) drone operations. It is important to note that no drones will be flown at this site during the testing phase.

Site 2 Mobile: 38°36'11.58"N. 77°35'13.50"W
1700 Sowego Rd,
Catlett, VA 20119
Radius: 1 km

Site 2: The applicant proposes to test up to four (4) devices (eight (8)) in total between the two sites) under this requested license. The proposed partner, Dedrone, will use these devices to develop and evaluate a system for detecting general aviation and UAS aircraft within the airspace. This is intended to support future beyond-visual-line-of-sight (BVLOS) drone operations. At this site location, drones will be used for detection and tracking study purposes. The unmanned aerial vehicles will be flown by FAA-certified UAS Pilots under 14 CFR Part 107 rules in Class G airspace. This location is private airfield that allows recreational and commercial drone operations which includes an AMA field. The location falls within the DC Area Prohibited & Restricted Airspace, beyond 15 mile where drone flights are allowed under the following conditions

https://www.faa.gov/uas/resources/community_engagement/no_drone_zone/dc

“Flying a drone for recreational or non-recreational use between 15 and 30 miles from Washington, D.C. is allowed under these operating conditions”:

- Aircraft must weigh less than 55 lbs. (including any attachments such as a camera)
- Aircraft must be registered and marked
- Fly below 400 ft.
- Fly within visual line-of-sight
- Fly in clear weather conditions
- Never fly near other aircraft

All of the above conditions will be met during drone operations.

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 WM2XOM, FCC File No. 0203-EX-CM-2023; 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 eight (8) devices total between the two requested sites. 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 market trials detailed herein will result in any harmful interference; the testing will occur on private lands in a sparsely populated area. However, in the unlikely event 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