

Exhibit - Request for Experimental Authorization - Market Trials

MatrixSpace, Inc. ("Applicant") hereby requests an experimental license to conduct a partner demonstration 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:

The applicant proposes to test up to four (4) devices pursuant to this requested license. The applicant, partner NASA will use these devices to develop and evaluate a system for UAS and general aviation aircraft detection. The demo will consist of tracking UAS flown by CFR 14 part 107 certified pilots and inheritance to part 107 regulations. **No directed energy / RF jamming /electronic attacks will occur.** NASA spectrum office had approve the demonstration and requested an STA from the FCC. The applicant will develop a set of guidelines, including those addressing compliance with FCC requirements and conditions.

Fixed Site: NASA Langly Facility Mailing Address: 22 W Taylor St Hampton, Virginia 23666
37° 6'11.38"N, 76°23'10.53"W

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 demo 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 four (4) devices. 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.

The applicant does not believe the demonstration detailed herein will result in any

harmful interference; however, in the unlikely event any interference issues arise pursuant to operations under this experimental license, the stop buzzer contact is Tyler Opilka 815-893-9378 tyler.opilka@matrixspace.com or David Cameron, reachable at 408-761-2923 or David.cameron@matrixspace.com