

September 03, 2024

In re Application of

Domo Tactical Communications
20122 Ashbrook Place, Suite 150
Ashburn, Virginia 20147

To operate in the 1200-1400MHz and 2200-2290MHz Telemetry Bands in Washington, D.C..

ATTN.: Microwave Branch

Domo Tactical Communications hereby requests Special Temporary Authority (STA) to operate within the 1200-1400MHz and 2200-2290MHz telemetry bands pursuant to Section 21.25 of the Commission's Rules. Domo Tactical Communications requests that the Commission grant it temporary authority to operate on the frequencies centered at 1350MHz and 2250MHz with a 20MHz bandwidth from October 13, 2024, through October 16, 2024, with intermittent usage. If the 2250MHz frequency range is unavailable, any 20MHz channel within the band 2200-2290MHz will suffice. As explained below, Domo Tactical Communications is filing an STA request to demonstrate new microwave technologies in a MIMO/MANET configuration for the Association of the United States Army tradeshow at the Walter E. Washington Convention Center in Washington, D.C., in October. Domo Tactical Communications submits that there are extraordinary circumstances warranting a grant of the STA request.

Domo Tactical Communications is demonstrating new microwave emission technologies for the Association of the United States Army tradeshow as it relates to data coherency, propagation, data throughput, vehicle integration and impact. Due to the extreme frequency congestion in the Washington, D.C. area, coupled with the added congestion from traditional Television and News coverage of area events, Domo Tactical Communications requests the use of these channels.

Domo Tactical Communications certifies that the operation of the requested channels for the purposes specified herein will not cause interference to any established stations.

Grant of the instant request for STA for the 1.3GHz and 2.2GHz bands would serve the public interest by enabling Domo Tactical Communications to demonstrate the reliability of their emission scheme as it relates in a ground-based exercise in a wireless MIMO/MANET configuration. The proposed service would enable demonstration of the SOL8SDR-H2, BluSDR-30, Sentry 6161 and NETNode transceivers / antenna array in a terrestrial exercise. Domo Tactical Communications is in the process of obtaining the consent of the relevant frequency coordinators for this project, including the FAA. The FAA has indicated its intent to forward the results of the coordination to the Commission.

In accordance with Section 74.633 of the Commission's Rules, the following is provided:

Applicants Name: Domo Tactical Communications
Address: 20122 Ashbrook Place, Suite 150
Ashburn, Virginia 20147

Type and Manufacturer Of Equipment: Domo Tactical Communications
SOL8SDR – H2

Power Output: 4W

ERP: 8W TERRESTRIAL

Emission: 20M00D7W

WinchWorks, LLC: Domo Tactical Communications
AUSA24 10/9/2024

Frequency: 1350.0MHZ, 20M00D7W @8W TERRETRIAL
2250.0MHZ, 20M00D7W @ 8W TERRESTRIAL

Type and Manufacturer Domo Tactical Communications
Of Equipment: NETNode 5RM2X2W

Power Output: 2W

ERP: 2W TERRESTRIAL

Emission: 20M00D7W

Frequency: 1325.0MHZ, 20M00D7W @8W TERRESTRIAL
2250.0MHZ, 20M00D7W @ 8W TERRESTRIAL

Type and Manufacturer Domo Tactical Communications
Of Equipment: BluSDR-30

Power Output: 4W

ERP: 8W TERRESTRIAL

Emission: 20M00D7W

Frequency: 1325.0MHZ, 20M00D7W @8W TERRESTRIAL
2250.0MHZ, 20M00D7W @ 8W TERRESTRIAL

Type and Manufacturer Domo Tactical Communications
Of Equipment: Sentry 6161

Power Output: 4W

ERP: 8W TERRESTRIAL

Emission: 20M00D7W

Frequency: 1325.0MHZ, 20M00D7W @8W TERRESTRIAL
2250.0MHZ, 20M00D7W @ 8W TERRESTRIAL

Area of Operation: 2Km

Coordinates: N 38 54 11.44
W 077 01 22.90

Antenna Height: 15' AGL

Antenna: Vertical / Horizontal Polarized

Antenna Gain: 4.5dBi

Dates of Operation: October 13, 2024 – October 16, 2024
(Intermittent Usage during these days)

Domo Tactical Communications requests an STA to operate on the above-referenced frequency for a period not to exceed six months. No application for regular authorization will subsequently be filed.

Domo Tactical Communications certifies that no party to the application is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C § 853(a).

Should you have any questions regarding this matter, please contact, John Winch, by telephone 626 676 1470.

Respectfully submitted,

By: John Winch
Frequency Coordinator