

January 03, 2024

In re Application of

SEACORP
85 Johnny Cake Road
Middletown, Rhode Island 02842

To operate in the 2200-2290MHz, 2400-2500MHz and 4400-4940MHz Telemetry Bands in Oceanside, California.

ATTN.: Microwave Branch

SEACORP hereby requests Special Temporary Authority (STA) to operate within the 2200-2290MHz, 2400-2500MHz and 4400-4940MHz telemetry bands pursuant to Section 21.25 of the Commission's Rules. SEACORP requests that the Commission grant it temporary authority to operate on the frequencies centered at 2210MHz, 2230MHz, 2250MHz, 2270MHz, 2461MHz, 2480MHz, 4410MHz, 4450MHz, 4490MHz, 4530MHz, 4570MHz, and 4610MHz with a 20MHz bandwidth from March 18, 2024, through August 01, 2024, with intermittent usage. As explained below, SEACORP is filing an STA request to provide support for The United States Department of the Navy request for information for the Technology Operational Experimentation Event 24.1 at Camp Pendleton beginning in March. SEACORP submits that there are extraordinary circumstances warranting a grant of the STA request.

SEACORP has been invited to demonstrate UAS technology for The United States Department of Defense during the Technology Operational Experimentation Event 24.1 at Camp Pendleton as it relates to data coherency, propagation, data throughput, vehicle integration and impact. Due to the extreme frequency congestion in the Camp Pendleton area, coupled with the added congestion from traditional Television and News coverage of area events, SEACORP requests the use of these channels.

SEACORP 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 2.2GHz, 2.4GHz and the 4.5GHz bands would serve the public interest by enabling SEACORP to demonstrate the reliability of a novel MIMO/MANET configuration to support future mission capabilities. The proposed service would enable the demonstration of the Silvus Technologies, Inc. Streamcaster SC42A8EP-235467-EB transceiver / antenna array in an aerial, maritime exercise.

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

Applicants Name:	SEACORP
Address:	85 Johnny Cake Road Middletown, Rhode Island 02842
Type and Manufacturer Of Equipment:	Silvus Technologies, Inc. Streamcaster SC42A8EP-235467-EB
Power Output:	10W
ERP:	10W

Emission:	22M6D7W 11M3D7W 5M65D7W
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2M82D7W
1M41D7W

Frequency: 2210.0MHz
2230.0MHz
2250.0MHz
2270.0MHz
2461.0MHz
2480.0MHz
4410.0MHz
4450.0MHz
4490.0MHz
4530.0MHz
4570.0MHz
4610.0MHz

Area of Operation: 100Km

Coordinates: N 33 14 40.73
W 117 25 25.10

Antenna Height: **UNMANNED AERIAL VEHICLE @ OR BELOW 10,000'ASL**
TERRESTRIAL CONTROL STATION 50' ASL

Antenna: Dipole

Antenna Gain: 2dBi

Dates of Operation: March 18, 2024 – August 01, 2024
(Intermittent Usage during these days)

SEACORP 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.

SEACORP 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