

December 22, 2022

In re Application of

Space Perspective, Inc.
Shuttle Landing Facility BLDG J5-1196
Space Perspective Operations Center
Kennedy Space Center, Florida 32899

To operate in the 2200-2290MHz and 4400-4940MHz Telemetry Bands in Titusville, Florida.

ATTN.: Microwave Branch

Space Perspective, Inc., hereby requests Special Temporary Authority (STA) to operate within the 2200-2290MHz and 4400-4940MHz telemetry bands pursuant to Section 21.25 of the Commission's Rules. Space Perspective, Inc., requests that the Commission grant it temporary authority to operate on the frequencies centered at 2205MHz, 4405MHz and 4805MHz with a 10MHz bandwidth from February 01, 2023, through August 31, 2023, with intermittent usage. As explained below, Space Perspective, Inc., is filing an STA request to experiment with new microwave technologies in a MANET / MIMO configuration for integration into high altitude balloons intended for commercial flight operations. Space Perspective, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

Space Perspective, Inc., is beginning to experiment with new microwave emission technologies as it relates to data coherency, propagation, data throughput, vehicle integration and impact. Due to the extreme frequency congestion in Central Florida, Space Perspective, Inc., requests the use of this channel.

Space Perspective, Inc., 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 and 4.5GHz bands would serve the public interest by enabling Space Perspective, Inc., to experiment with the reliability of the emission scheme as it relates in a wireless MANET / MIMO configuration. The proposed service would enable demonstration of the Silvus Technologies, Inc. Streamcaster SC4400 transceiver / antenna array in a terrestrial exercise.

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

Applicants Name: Space Perspective, Inc.
Address: Shuttle Landing Facility BLDG J5-1196
Space Perspective Operations Center
Kennedy Space Center, Florida 32899

Type and Manufacturer
Of Equipment: Streamcaster SC44K0E-235-SBST

Power Output: 20W

ERP: 80W via OMNI antenna / 630W via SLANT R/L

Emission: 10M00D7W

Frequency: 2275.0MHz, 10M00D7W @ 80W TERRESTRIAL
4405.0MHz, 10M00D7W @ 80W TERRESTRIAL
4805.0MHz, 10M00D7W @ 80W TERRESTRIAL

Area of Operation: 5Km

Coordinates: N 28 30 42.42
W 080 47 33.01

Antenna Height: 15' AGL

Antenna: 6dBi Omni / 15dBi SLANT R/L

Antenna Gain: 6dBi / 15dBi SLANT R/L

Dates of Operation: February 01, 2023 – August 31, 2023
(Intermittent Usage during these days)

Space Perspective, Inc., requests an STA to operate on the above-referenced frequency for a period not to exceed twelve months. No application for regular authorization will subsequently be filed.

Space Perspective, Inc., 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