

June 26, 2026

In re Application of

Ultra I&C
5990 Chem. de la Côte-de-Liesse
Mont-Royal, QC H4T 1V7

To operate in the 26500-40000MHz Telemetry Band in Germantown, Maryland.

REQUEST FOR LICENSE RENEWAL

ATTN.: Microwave Branch

Ultra I&C hereby requests Special Temporary Authority (STA) to operate within the 26500-40000MHz telemetry band pursuant to Section 21.25 of the Commission's Rules. Ultra I&C requests that the Commission grant it temporary authority to operate on the frequency centered at 28000MHz with a 40MHz bandwidth from July 21, 2026, through October 31, 2026, with intermittent usage. As explained below, Ultra I&C is filing an STA request to test and certify the Ultra Gigasat FA100 SES mPower Middle Earth Orbit satellite constellation near Washington, D.C.. Ultra I&C submits that there are extraordinary circumstances warranting a grant of the STA request.

Ultra I&C is testing to certify new microwave emission technologies as it relates to latency, 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, Ultra I&C requests the use of this channel.

Ultra I&C certifies that the operation of the requested channel for the purposes specified herein will not cause interference to any established stations.

Grant of the instant request for STA for the 28.0 GHz Band would serve the public interest by enabling Ultra I&C to evaluate the reliability of their emission scheme as it relates in a ground-based exercise. The proposed service would enable testing of the Ultra Gigasat FA100 transceiver and antenna array in a terrestrial exercise.

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

Applicants Name:	Ultra I&C
Address:	5990 Chem. de la Côte-de-Liesse Mont-Royal, QC H4T 1V7
Point-of-Contact:	Andrei Malyguine 514 709 3137 Andrei.malyguine@ultra-tcs.com
Type and Manufacturer Of Equipment:	Ultra I&C FA100
Power Output:	25W
ERP:	1290W TERRESTRIAL
Emission:	40M00D7W
Frequency:	28000.0MHZ, 40M00D7W @ 1290W TERRESTRIAL
Area of Operation:	50Km

Coordinates: N 39 12 03.60
W 077 15 46.80

Antenna Height: 10' AGL

Antenna: Cross-Pol, Co-Pol RHCP and LHCP

Beam width : in degrees at half power point 0.8

Antenna orientation: 127-233 degrees from True North
5-21 degrees from horizontal

Antenna Gain: 47.7dBi

Dates of Operation: July 21, 2026 – October 31, 2026
(Intermittent Usage during these days)

Ultra I&C 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.

Ultra I&C 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