



FCC LICENSE EXHIBIT 1 – COORDINATION AND DESCRIPTION

From: Hermeus Corporation

To: FCC

Date: March 29, 2024

Subject: Cartersville Ground Test

Hermeus wishes to conduct a ground-only taxi test of its experimental hypersonic aircraft prototype between May 1st and 30th 2024. The test will involve validating key RF links between the aircraft and ground station facilities.

The test will take place at Cartersville Airport, Cartersville GA. The test will use the following transmitters and Hermeus has submitted requests for coordination with both AFTRCC and the FAA for all appropriate frequencies. At the time of submission, both coordination requests are pending. Hermeus will upload the results of each request when they are complete.

Table 1: Transmissions for the Cartersville test.

Purpose	Frequency (GHz)	Coordinated with:
Radar Altimeter (aircraft)	4.225-4.375	None
RFLOS telemetry (aircraft)	2.2-2.4	AFTRCC
Video Link (aircraft, 5 GHz)	5.09-5.15	AFTRCC/FAA
VHF Comms	0.129-0.131	None
RFLOS (ground)	1.4355-1.5345	AFTRCC
900 MHz ISM band	0.902-0.928	None
ADS-B	1.060-1.120	FAA