Previous Correspondence Responses
Saab's original application File 0059-EX-CN-2026 was withdrawn to submit a requested RF Exposure Analysis report as a Confidential Exhibit after the original application and fee payment. FCC guidance stated that a new application and fee were required. This Exhibit contains answers to the Correspondence Number 100765 from that original application.

Is this file for Airbourne or Ground Test? The Antenna Exhibit attached to File 0059_EX-CN-2026 shows a ground-based radar system that will operate at our Radar Test Facility, an access-controlled facility. Therefore, this application is for ground tests only.

Please submit the RF radiation exposure report
The RF radiation report from Saab AB is attached as a Confidential Exhibit with filename GOT 35, Additional FCC License Info Rev A.pdf.

Your requested 76.7 MW ERP is extraordinarily high for a Part 5 experimental authorization. Even under non-interference conditions, such power levels present a significant risk of harmful interference to existing service. Please provide:

A detailed technical justification for the required ERP.
The Saab Giraffe 4A was granted authorization to operate under call sign WH2XWD from 7/16/2015 to 8/1/2017 with an ERP of 27.5 MW. The radar has been upgraded since then with higher power, 76.7 MW ERP, to extend performance. The system can only operate with full transmit power and the USAF has purchased three radars that Saab must integrate and test at our Radar Test Facility (RTF) in Syracuse, NY. Sensis, now Saab was granted authorization to operate radars up to 254.84 MW (call sign WF2XUS, January 2014 at our RTF. The facility has fencing surrounding the area with badge access limited to approved employees.

Mitigation strategies to prevent harmful interference, such as directional antennas, time-limited transmissions, geofencing, coordination procedures, real-time monitoring and shutdown procedures.
The AESA has a narrow transmit beam that can be scanned electronically or by rotating the array. The system is also capable of creating eight transmit blanking sectors. Stop buzzer contacts were provided in the Government Project Exhibit.