

## FCC EXPERIMENTAL LICENSE UPDATE REQUEST JUSTIFICATION EXHIBIT

FILE NUMBER: 0231-EX-CM-2019

CONFIRMATION NUMBER: EL621332

CALL SIGN: WJ2XPJ

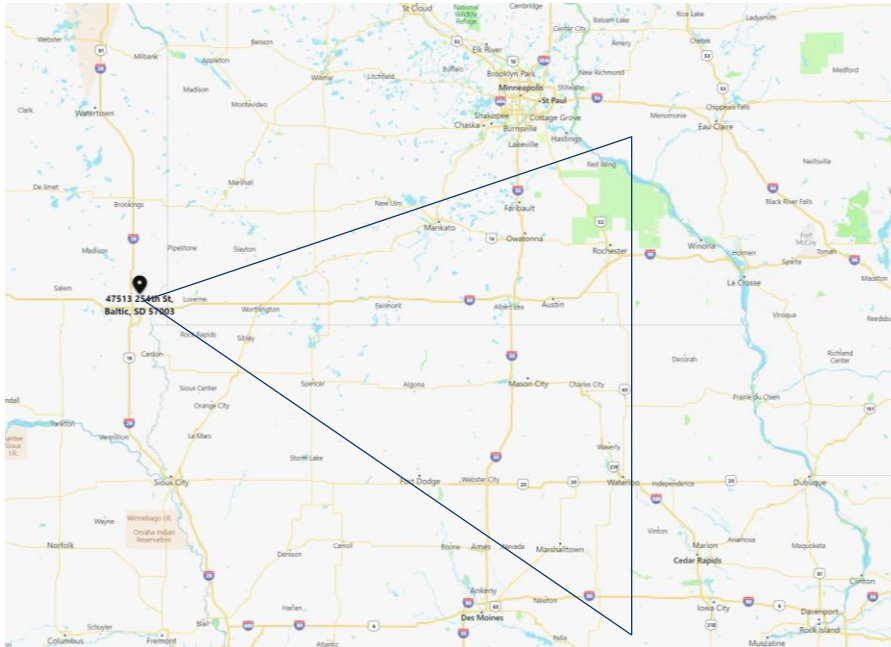
DATE: 14 AUG 2019

TO: FCC

FROM: RAVEN AEROSTAR, RUSS VAN DER WERFF

Raven Aerostar submits this exhibit as justification of the recent amendment to the existing FCC license, call sign number WJ2XPJ. The purpose of the amendment is to extend the range of the existing license as follows:

- Raven Innovation Campus, Baltic, SD: Mobile, from NL 43-45-33; WL 96-44-09, extending in a triangle east to WL 92-13-48 with a span north-south between NL 44-49-48 and NL 41-27-1 as shown in the map below:



This extension to the operating range is needed to test the experimental radar in a mobile operating environment. The actual range of the emitted signal is unaffected, but the equipment will be traveling within the range defined. This amendment does not affect the physical or performance characteristics of the radar antenna or resulting emissions. We are hopeful this amendment is deemed non-critical to allow for expedited approval. Please feel free to contact me directly with any questions.

Thank you,

### **RUSS VAN DER WERFF**

Systems Engineering Manager

Aerostar Technical Solutions

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