

FCC EXPERIMENTAL LICENSE UPDATE REQUEST JUSTIFICATION EXHIBIT – File Number 0004-EX-CM-2020

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:

This extension is needed to continue testing the experimental radar in a mobile operating environment with differing geographic locations and environments. For this reason, we are removing several locations, including;

Johnson Valley, CA	N 34 29 21	W 116 39 26
San Bernardino, CA	N 34 38 45	W 117 36 03
San Pedro, CA	N 33 42 40	W 118 17 38
Culpepper, VA	N 38 28 23	W 77 59 48
Falmouth, VA	N 38 19 55	W 77 27 44
Fredericksburg, VA	N 38 19 55	W 77 33 51

The remaining locations are:

Norfolk, VA	N 36 56 50	W 76 17 30
Baltic, SD	N43 45 33	W 96 44 09
Wesley, IA	N 43 05 17	W 94 00 00

In addition, we are adding the following new location;

Elizabeth City, NC	N 36 14 01	W 76 08 00
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This amendment does not affect the physical or performance characteristics of the radar antenna. In addition, it does not change the parameters or resulting emissions of the radar antenna. We are hopeful this amendment is deemed non-critical to allow for expedited approval. Please feel free to contact me directly with any questions.

Best regards,

Martin Harms
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