

Exhibit 1

Pursuant to Special Condition 13 on the WK2XEW license, this Modification Application adds a new location to the license, for mobile operations at and around Bridgewater, VA, accompanied by the attached confirmation of no objection from the NRQZ coordinator.

This application seeks Commission approval to add the following operations to the WK2XEW license:

Mobile Ground based transmissions conducted will be located at the test area center point at 38°22'00" N; 78°57'37"W, on a radius of 1km about the center point. Ground elevation above sea level at the center point coordinates is 355.1m at this location. The antenna will be no more than 5 meters above ground level when transmitting from the ground.

Mobile airborne transmissions conducted within a flight pattern centered on the test area center point at 38°22'00" N; 78°57'37"W, with the furthest waypoints lying on a radius of 370km about the center point. The maximum flight ceiling planned is 4572m (15,000 feet) above ground level (AGL) (range will be from 14-15,000 ft). Ground elevation above sea level at the center point coordinates is 355.1m at this location. The nearest airport to the center point coordinates is the Bridgewater Airpark (VBW) at 1402 Airport Rd, Bridgewater VA, within 1 km from the center point coordinates

These transmissions will be mobile-only and operational around a fixed point (ground and airborne). No fixed terrestrial facilities are associated with the operations. Therefore, as confirmed in the attached communication from the NRQZ coordinator, coordination within the NRQZ is not required by Federal Law 47CFR1.924 for Quiet Zones or the US Department of Commerce NTIA Frequency Management manual Section 8.3.9, and therefore the NRQZ has no objection to the Commission's grant of these operations.

See attached for NRQZ confirmation of no objection to this Modification Application.

NROZ Confirmation of No Objection to Modification Application.

From: Mike Holstine <mholstin@nrao.edu>
Sent: Friday, July 19, 2019 2:53 PM
To: Moomau, Brandi N. [US-US] <Brandi.N.Moomau@leidos.com>
Cc: Paulette Woody <pwoody@nrao.edu>; Chuck Niday <cniday@nrao.edu>
Subject: EXTERNAL: RE: Leidos, Inc. – Request for Consent or No Objection to Proposed Modification of Experimental License WK2XEW to Add Bridgewater, VA Operations – File No. 0185-EX-CM-2019

Hello, Brandi.

Thank you for contacting me. It is unfortunate that Paulette is out of the office, and I'm unsure what efforts she has put in on this previously, but there is no objection by the GBO to this project. Let me know if there is something more definitive we can do.

=Mike=

Michael J. Holstine, P.E.
Business Manager
Green Bank Observatory
155 Observatory Road
P.O. Box 2
Green Bank, WV 24944
304-456-2231



From: Moomau, Brandi N. <Brandi.N.Moomau@leidos.com>
Sent: Friday, July 19, 2019 11:19 AM
To: Mike Holstine <mholstin@nrao.edu>
Subject: FW: Leidos, Inc. – Request for Consent or No Objection to Proposed Modification of Experimental License WK2XEW to Add Bridgewater, VA Operations – File No. 0185-EX-CM-2019

Leidos Proprietary

Good Morning,

I received Paulette's out of office and thought I would reach out to see if you're able to assist in helping us obtain the consent needed to file our frequency authorization application. Everything is below and attached that you would need.

Thank you.

Respectfully,

Brandi N. Moomau | **Leidos**

COMMS Systems Technician and Spectrum Manager | Systems Engineering & Integration
QRC Airborne ISR Systems Division | Advanced Solutions Group
phone: 540.515.3900 extension 3371
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Bridgewater, VA 22812

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From: Moomau, Brandi N. [US-US]
Sent: Thursday, July 11, 2019 8:57 AM
To: 'pwoody@nrao.edu' <pwoody@nrao.edu>
Cc: 'Rummel, Jeffrey' <Jeffrey.Rummel@arentfox.com>
Subject: Leidos, Inc. – Request for Consent or No Objection to Proposed Modification of Experimental License WK2XEW to Add Bridgewater, VA Operations – File No. 0185-EX-CM-2019

Leidos Proprietary

Ms. Woody

This email transmits for your review the attached draft application to modify Experimental Station WK2XEW to add mobile operations at Bridgewater, VA.

The FCC has requested that Leidos obtain the consent (or no objection) of NRQZ to the proposed operations before the application is filed with the FCC.

Accordingly, it is respectfully requested that NRQZ provide confirmation of consent (or no objection) to the application so that Leidos can submit the filing.

In the attached application, the proposed Bridgewater operations are highlighted in yellow, for your reference.

As you can see, the application demonstrates that:

These transmissions will be mobile-only and operational around a fixed point (ground and airborne). No fixed terrestrial facilities are associated with the operations.

Therefore, coordination within the NRQZ is not required by Federal Law 47CFR1.924 for Quiet Zones or the US Department of Commerce NTIA Frequency Management manual Section 8.3.9.

Therefore, confirmation of no objection or consent is requested from NRQZ.

Thank you in advance for your assistance in this matter. Once Leidos receives your response, Leidos will include your communication as an attachment to the Exhibit submitted to the FCC.

Respectfully,

Brandi N. Moomau | **Leidos**

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