

EXPLANATION OF MODIFICATIONS

This application seeks Commission consent to modify the Station WI2XYO license to reflect:

- “Temporary Fixed” operations – with a reduced .2 km radius around modified centerpoint coordinates of: 38-21-44 N.Lat; 078-57-28 W.Long.
- Reduction of frequency range to 421-470 MHz

NOTE: NRQZ has approved coordination of the parameters set forth in this application – **see attached NRQZ letter, which also confirms that existing Special Condition 8 on the license (“(8) No fixed operations permitted.”) will no longer be necessary** once the modification is granted by the FCC because the requested temporary fixed operations are permitted under NRQZ policies

- Update of the supported contracts to reflect the following:

Agency: U.S. Army
Contract Number: W15P7T-17-D-0103
Government POC: Phillip Wadsworth (443) 861-1939

Agency: United States Army Aviation and Missile Command (PMFW, Redstone Arsenal, AL)
Contract Number: W58RGZ-20-C-0024
Government POC: Sean Hayes (256) 924-0020

And update to Special Condition 6 as follows:

(6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract numbers **W15P7T-17-D-0103, W58RGZ-20-C-0024** ~~W911QX-16-C-0012, W15P7T-10-D-D420/0007, and CRN315177W909MY-15-C-0034~~. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.

- Update the Stop Buzzers as follows:

(7) Stop Buzzers are **David West (423) 836-8325** ~~Brandi Moomau at (540) 470-7151~~, and Clarence Simpson (540) 831-0261.

Rummel, Jeffrey

From: Rummel, Jeffrey
Sent: Thursday, September 2, 2021 4:20 PM
To: 'Paulette Woody'; West, David M.
Cc: Sweeney, Dan C.
Subject: RE: Leidos - Experimental Station WI2XYO - Draft Modification Application for NRQZ Review - NRQZ ID 13153
Attachments: 13153 Leidos WI2XYO.pdf

Ms. Woody:

Thank you again for your careful and thorough review – it is very much appreciated.

Leidos will be filing the modification application with the FCC as that application was presented to you, under **File No. 0189-EX-CM-2021**.

Accordingly, while your attached coordination letter references the prior FCC File Numbers for this call sign, we wanted to confirm with you our understanding that the coordination letter will apply to the modification application that will be filed with the FCC under **File No. 0189-EX-CM-2021**.

Best regards,

Jeff Rummel
Attorney for Leidos, Inc.

Jeffrey E. Rummel
Partner

Arent Fox LLP | Attorneys at Law
1717 K Street, NW
Washington, DC 20006-5344
202.715.8479 **DIRECT** | 202.857.6395 **FAX**
jeffrey.rummel@arentfox.com | www.arentfox.com

From: Paulette Woody <pwoody@nrao.edu>
Sent: Thursday, September 2, 2021 1:59 PM
To: Rummel, Jeffrey <Jeffrey.Rummel@arentfox.com>; West, David M. <David.M.West@leidos.com>
Cc: Sweeney, Dan C. <dan.sweeney@leidos.com>
Subject: RE: Leidos - Experimental Station WI2XYO - Draft Modification Application for NRQZ Review - NRQZ ID 13153

Dear Applicant and/or Frequency Coordinator:

Find attached a Letter of Concurrence (LOC) that fulfills the coordination requirements of the National Radio Quiet Zone (NRQZ) under Federal Code 47CFR1.924 (a) for quiet zones that “minimize possible impact on the operations of radio astronomy or other facilities that are highly sensitive to interference.”

47CFR1.924 (a) “NRAO, NRRO. The requirements of this paragraph are intended to minimize possible interference at the National Radio Astronomy Observatory site located at Green Bank, Pocahontas County, West Virginia, and at the Naval Radio Research Observatory site at Sugar Grove, Pendleton County, West Virginia.”

Please review all documentation upon receipt and advise the NRQZ office immediately of any errors or discrepancies!

Due to the Covid-19 crisis, original, signed concurrence letters will not be mailed to the applicant, however, if they are deemed necessary, make that request in writing, and it will be honored once normal operations resume.

Please read the attached documentation carefully for any special conditions of this concurrence.

As a reminder, you will need to attach this document to your official filing with the FCC (if applicable).

You shall provide notification of your ULS filing to the NROZ office by supplying the file number and date.

If I can be of further assistance, or if there are any questions or concerns, please feel free to contact me.

Attachment: Letter of Concurrence

Bcc: Sugar Grove Research Station

Sincerest regards,

Paulette

Paulette W. Woody
NROZ Administrator (nrqz@nrao.edu)

Green Bank Observatory
155 Observatory Road
PO Box 2
Green Bank, WV 24944-0002
pwoody@nrao.edu
Voice 615-796-6395 (615-PWOODY5) or 304-456-2107 (O – Voice Mail only)

Covid-19 Operations & Closures <https://greenbankobservatory.org/statement-about-covid-19/>

NROZ info: <http://greenbankobservatory.org/visit/national-radio-quiet-zone/>

Green Bank Site info: <http://greenbankobservatory.org/>

KD8NKC / linkedin.com





NATIONAL RADIO ASTRONOMY OBSERVATORY

POST OFFICE BOX 2
GREEN BANK, WV 24944-0002
NRQZ OFFICE TELEPHONE (304) 456-2107
HTTP://WWW.GB.NRAO.EDU/

FAX (304) 456-2276
NRQZ@NRAO.EDU

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NRQZ ID: 13153_24JUN2021

Mr. David West
Leidos
1402 Airport Rd Bldg. 1
Bridgewater, VA 22812

Reference Copy

Application Reason/Purpose	Pre-coordination Notification
FCC ULS File Number	0375-EX-CR-2019; 0135-EX-CM-2021
Call Sign	W12XYO
Site Name or Location	Bridgewater, VA
Nearest City/State	Bridgewater, VA
Latitude	38 21 44.700
Longitude	-78 57 28.500
Ground Elevation (m)	355
Antenna Height Above Ground (AGL) (m)	18.50
Antenna Model Number	L3 RF-390
Antenna Gain (dBi)	-6 to +1
Antenna Orientation ° True North (TN)	Omni
AZ Bearing to GBT ° True North	276.091
Freq. Low (MHz)	421 – 470* (See Sugar Grove Special Conditions)
Emission Designator or Bandwidth (MHz)	0.016
Max. Transmit Output Power (W) / ERPd (W)	5.00
SGRS AERPd limit (W) (Special Condition)	Yes – Frequency band restriction (details below)
NRAO AERPd limit (W) (Special Condition)	None – Meets NRAO power density limits
Current NRQZ Case ID / Date	13153_24JUN2021

Dear Applicant:

The National Radio Quiet Zone (NRQZ) has evaluated these facilities to determine the interference impact on the highly sensitive NRAO Green Bank Observatory radio astronomy operations.

NOTE on Special Condition (8) which states, “No fixed operations permitted.”

- The applicant’s modified application is from mobile to fixed operations. The NRQZ office recommends that this special condition be removed.

NOTE on Special Condition (10) which states, “Operation is subject to coordination prior to activation and, as appropriate, possible scheduling with Paulette Woody, pwoody@nrao.edu, (304) 456-2107, when used within 20 nautical miles of the National Radio Quiet Zone.”

- The NRQZ office requests that this special condition remain on the applicant’s grant.

The National Radio Astronomy Observatory (NRAO) site located at Green Bank, Pocahontas County, WV, has no objections to this frequency assignment.



NATIONAL RADIO ASTRONOMY OBSERVATORY

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SUGAR GROVE SPECIAL CONDITION

The Sugar Grove Research Station, formerly the Naval Radio Research Observatory (NRRO), located at Sugar Grove, Pendleton County, WV has no objections to this frequency assignment provided the frequency of operation is limited to between 421 and 470 MHz. Any deviation to this frequency plan would require additional coordination prior to operation.

This letter constitutes coordination of assignment in the National Radio Quiet Zone as required by the FCC Rules and Regulations 47CFR1.924 (a).

If I may be of assistance, please feel free to contact me.

Sincerest regards,

Paulette W. Woody
NRQZ Office Administrator
PWW:pww

Cc: David West and Jeff Rummel
Cc: Sugar Grove Research Station Spectrum Management Group
file: 13153.docx

This concurrence remains valid provided the data contained within is consistent with the applicant's filing at the Commission. Any discrepancy in system parameters, such as geographical coordinates (Latitude, Longitude, AMSL), antenna height above ground level (AGL), antenna gains or directivity (orientation), channel (operating frequency or frequency bands), emission type, and power requires re-coordination. If the Commission has questions regarding the validity of this or any concurrence, please direct inquiries to nrqz@nrao.edu or 304-456-2107.

Reference Copy