

Rummel, Jeffrey

From: National Radio Quiet Zone (NRQZ) <nrqz@nrao.edu>
Sent: Friday, November 4, 2022 2:01 PM
To: Rummel, Jeffrey
Cc: Electromagnetic Spectrum Management - ESM (esm@nsf.gov); National Radio Quiet Zone (NRQZ)
Subject: NRQZ ID 221031A - Site Name 'Bridgewater' - Letter of Concurrence (coordination not required/grandfathered)
Attachments: 221031A - Letter of Concurrence - No Coordination Required - Grandfathered Status.pdf

Dear Applicant and/or Frequency Coordinator:

Find attached a Letter that identifies 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.

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

The NRQZ Office requests that:

1. The applicant modify their frequency proposal in SSXI to include the current NRQZ ID in the supplementary details line (e.g. "SUP: NRQZ COORD NOT REQ 2022 NOV 04/NRQZ ID 221031A").
2. The applicant should email the NSF Electromagnetic Spectrum Management Unit (esm@nsf.gov) when the supplemental details have been modified to include the NRQZ ID, as this will facilitate faster approval of the application.
3. The applicant consider voluntary coordination if any potential for interference arises.
4. The applicant re-contact the NRQZ Office if there are any technical change to operations.

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

You shall provide notification of your ULS filing to the NRQZ 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 the NRQZ office at nrqz@nrao.edu. Please address all emails to nrqz@nrao.edu.

Attachment: Letter Stating Coordination not Required

Sincerest regards,

Sheldon

Sheldon Wasik
NRQZ Administrator (nrqz@nrao.edu)

Green Bank Observatory

155 Observatory Road
PO Box 2
Green Bank, WV 24944-0002
(O) 304-456-2107

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

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

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



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

November 04, 2022
Page 1 of 2
NRQZ ID: 221031A

Electromagnetic Spectrum Management Unit
National Science Foundation
2415 Eisenhower Avenue
Alexandria, VA 22314

Application Reason/Purpose	Prior coordination notification
NRQZ File Number	221031A
FCC File Number	0613-EX-CR-2022
Applicant Name	Leidos, Inc.
Call Sign	['W12XOY']
Site Name or Loc	['Bridgewater']
Previous NRAO Coordination No.	13262, 10500, 10459, 10354
Current NRAO Coordination No.	221031A-04, 221031A-03, 221031A-02, 221031A-01

Dear Applicant:

The National Radio Quiet Zone (NRQZ) has reviewed these facilities and determined coordination is not required per NTIA Manual section 8.3.9.

The NRQZ Office requests that:

1. The applicant modify their frequency proposal in SSXI to include the current NRQZ ID in the supplementary details line (e.g. "SUP: NRQZ COORD NOT REQ 2022 NOV 04/NRQZ ID 221031A").
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FAX (304) 456-2276

NRQZ@NRAO.EDU

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

Sincerest regards,

Sheldon Wasik
NRQZ Program Administrator

cc: nrqz@nrao.edu, esm@nsf.gov, Sugar Grove Research Station Spectrum Management Group

This Letter remains valid provided the data contained within is consistent with the applicant's filing. 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 there are any questions regarding the validity of this or any concurrence, please direct inquiries to nrqz@nrao.edu or 304-456-2107.

NROZ ID	Site Name	Lat N NAD83	Lon W NAD83	MSL (m)	Max TX Pwr (W)	# TX per Sector	# TX per Facility	Freq Low (MHz)	Freq High (MHz)	Bandwidth (MHz)	Max Gain (dBi)	Antenna Model	AGL (m)	Az ° True	Mechanical-DT	Electrical-DT	Max eRPd of facility (W)	NRAO ERPd Limit (W)
221031 A-04	Bridge water	38 22 0.00 0	-78 57 37.00 0	355 .0	100.0	1	1	4918. 0	4940. 0	8.0	2.15	0	45 72 .0	275.8	0	0	100.0	*2.0e- 02
221031 A-03	Bridge water	38 22 0.00 0	-78 57 37.00 0	355 .0	100.0	1	1	4775. 0	4912. 0	8.0	2.15	0	45 72 .0	275.8	0	0	100.0	*1.8e- 02
221031 A-02	Bridge water	38 22 0.00 0	-78 57 37.00 0	355 .0	225.0	1	1	4622. 0	4622. 0	8.0	2.15	0	45 72 .0	275.8	0	0	225.0	*1.7e- 02
221031 A-01	Bridge water	38 22 0.00 0	-78 57 37.00 0	355 .0	225.0	1	1	4400. 0	4612. 0	8.0	2.15	0	45 72 .0	275.8	0	0	225.0	*1.5e- 02

*Limit is based on max altitude, directed at GBO. Due to this operation being airborne, the NRAO can not provide comment, only recommendations. This operation is known RFI to GBO and falls in a grandfathered category. The NRAO appreciates knowledge of these operations.