



May 20, 2015

VIA IBFS

Marlene H. Dortch, Secretary
Federal Communications Commission
445 Twelfth Street, SW
Washington, DC 20554

Re: Supplement to EchoStar Broadcasting Corporation Application – SES-MOD-20150416-00219

Dear Ms. Dortch:

EchoStar Broadcasting Corporation (EBC) hereby supplements its application SES-MOD-20150416-00219 to provide a reference copy of the consent letter from the National Radio Astronomy Observatory (NRAO) regarding the above referenced application dated May 15, 2015. As stated in the letter, the Sugar Grove Research Station has no objection to the proposed operations described in the application, and the NRAO has no objection to the proposed operations described in the application subject to the conditions described in the letter.

Please contact the undersigned with any questions.

Sincerely,

/s/ Jesse Jachman

Jesse Jachman
Senior Counsel, Regulatory Affairs
EchoStar Broadcasting Corporation
11717 Exploration Lane
Germantown, MD 20876
(301)428-5975

cc: Paul Blais (FCC)
Paulette Woody (NRAO)
Jennifer Manner (EBC)

Enclosures



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: 9718 10APR2015

EchoStar Broadcasting Corporation
100 Inverness Terrace East
Englewood, CO 80112

Application Reason/Purpose	Concurrence of an FCC application prior to FCC submission
File/Docket/Assignment #	SES-MOD-20150416-00219
Applicant Name	Echostar
Call Sign	E050373
Site Name or Loc	Mt. Jackson
Nearest City/State	Mt. Jackson, VA
N Latitude	38 43 22.4 (38.72288889)
W Longitude	78 39 58.5 (78.66625)
Ground Elevation (m)	282.2 (925.9')
Freq. Band (MHz)	17300 - 17800
Emission Designator	1M50G2D, 24M0G7W
Transmitter Power Out W	1600
Antenna 1 Type (Gain dBi)	13.2 meter Dish GDSatcom (65)
Height agl (m)	13.2 (43.3')
Orientation (degT)	AZ 122.3 / EL 25.9
Frequency Coordinator	None Listed
Previous NRAO Coordination No.	NRQZ ID None - new analysis
Current NRAO Coordination No.	NRQZ ID 9718 10APR2015

Dear Applicant:

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

Special Condition

The National Radio Astronomy Observatory (NRAO), Green Bank, WV, objects unless the Applicant's license is restricted to an Effective Radiated Power (ERP) of 68,311,365 Watts per 1.50 MHz unit bandwidth at Azimuth 252.9 degrees True.

To meet this Special Condition, the Applicant shall:

1. Use the final engineering submitted by Silas Cole on 24APR2015 indicating that all facilities meet the ERP restriction.
2. Arrange for a site inspection to verify the implementation of this Special Condition.

Regulatory

The NRQZ Office requests that:

1. The FCC places the Special Condition on the Station License.
2. This Letter of Concurrence be attached to the FCC application.
3. The applicant provides the NRQZ Office with notice of its official filing with the FCC per section 47CFR1.924 (a) (2).

Reference Copy



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The Sugar Grove Research Station, Sugar Grove, WV has no objections.

The National Radio Astronomy Observatory, Green Bank, WV, has no objection provided the Special Condition is met.

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

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

Sincerest regards,

Paulette W. Woody

Digitally signed by Paulette W. Woody
DN: cn=Paulette W. Woody, o=NRAO, ou=NRQZ
Administrator, email=pwoody@nrao.edu, c=US
Date: 2015.05.15 15:09:03 -04'00'

Paulette W. Woody
NRAO NRQZ Administrator

PWW:pww

cc:

file: 9718.docx

NOTE: This concurrence remains valid provided the data contained within is consistent with the applicant's filing at the FCC. 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 or power requires re-coordination. If the FCC has questions regarding the validity of this or any concurrence, please direct inquiries to nrqz@nrao.edu or 304-456-2107.

Reference Copy