

From: [Manner, Jennifer](#)
To: [Jae Lim](#)
Cc: [Phuong N. Pham \(PPham@wbkiew.com\)](#); [Wang, Donna](#)
Subject: RE: SES-LIC-20210304-00435; Call Sign: E210048
Date: Monday, April 5, 2021 6:23:57 PM
Attachments: [image001.png](#)
[image002.png](#)

Jae, first, I hope this note finds you well. Here are our answers:

The application filed under File No. SES-LIC-20210304-00434 (Call Sign E210047) is for a new beacon earth station site in San Antonio, TX (at 29°28'18.34"N and 98°40'17.69"W in WGS84 format), and is different from the application filed under File No. SES-LIC-20210304-00435 (Call Sign E210048), which is for a new beacon earth station site in Minot, ND. Both applications include a Schedule B that specifies different sites (*i.e.*, in San Antonio or Minot), as well as the same exhibits and attachments that are applicable to all five sites.

Pursuant to International Bureau guidance (see Public Notice, DA-17-1127 (Nov. 21, 2017)), the coordinates for all five beacon sites are specified in WGS84 format in Exhibit 1 (narrative) of each application, rather than Sched. B (which requires a response of NAD-27, NAD-83, or N/A) .

The emission designator for 29.997 at all five beacon sites is NON, as specified in Sched. B of each application.

Please let us know if you have questions,

JAM

From: Jae Lim <Jae.Lim@fcc.gov>
Sent: Wednesday, March 31, 2021 3:21 PM
To: Manner, Jennifer <Jennifer.Manner@echostar.com>
Subject: SES-LIC-20210304-00435; Call Sign: E210048

****EXTERNAL EMAIL****

Hi Jennifer Manner,

Your Schedule B is incomplete.

I have one question for you.

Is this application a duplicate or is this a different LIC application?

SES-LIC-20210304-00434; Call Sign: E210047 and this application, SES-LIC-20210304-00435; Call Sign: E210048, seems to have the same site coordinates and exhibit attachments.

If different, please submit an Amendment with the following information:

1. Please submit coordinates for 5 sites in schedule B (Are these temp fixed sites? If so, conus is ok. This is not clear to me)
2. Please reply to this email with verification of antenna location at 29 28 18.34 n 98 40 17.69 w on Google Earth
3. Please submit an Emission designator for 29.997 GHz

Thanks and have a nice day.

Jae Lim
FCC/IB

File No.	SES-LIC-20210304-00435		Call Sign:	E210048		Filing State:	Pending		Status:	AFP		Status Date:	Mar 5 2021 11:	
Applicant:	HNS License Sub, LLC				File Date:	Mar 4 2021		Last Action:			Action Date:			
Class of Station:	Fixed Earth Stations		Type of Facility:	Transmit/Receive		Nature of Service:	FSS = Fixed Satellite Service					No. Sites:	1	
☒ US Licensed Satellites	☐ Non-US Licensed Satellites		Certifications:	Alien Applicant Foreign Corporation					Routed To:			Jae_Lim		
1														
City:	Minot		County:	Ward		State:	ND		Lat:			Lon:		
Ant. Row	Antenna ID	Diameter (m)	Max Input Power (w)	Max Output Eirp	Gain (dBi@GHz)	Gain (dBi@GHz)				Gnd (m amsl):	528		NADNA	
1	1	1.6	13.5	63	51.7 @	48.5 @ 20.2				PtComms: ECHO STAR X-IV(S3017) @ 95.2w.L.				

Ord Row	Freq Lo (MHz)	Freq Hi (MHz)	SatArc (East)	SatArc (West)	Elev (East)	Elev (West)	Azim (East)	Azim (West)	Calc Elev (East)	Calc Elev (West)	Calc Azim (East)	Calc Azim (West)	Antenna ID
1	29997	29997	95.2w	95.2w	34.3	34.3	171.6	171.6					1
2	20196	20200	95.2w	95.2w	34.3	34.3	171.6	171.6					1

Freq Row	Freq Lo (MHz)	Freq Hi (MHz)	Emission	EIRP (dBw)	Eirp Density (dBw/4kHz)	T/R	Bandwidth	Modulation	Pt (dBw)	Pt (w)	P.D. (dBw/4kHz)	Antenna ID
1	20196	20200	400K.G7D			R	400. kHz	Digital				1
2	29997	29997	NON	63.00	63.00 T		Unknown	Unknown	11.30	13.49	11.30	1

City, State	WGS84 Coordinates
Abilene, TX	32° 21' 35" N, 99° 44' 39" W
San Antonio, TX	29° 28' 18.34" N, 98° 40' 17.69" W
Midland, TX	31° 50' 49.56" N, 102° 19' 37.2" W
Casper, WY	42° 50' 58.56" N, 106° 19' 33.96" W
Minot, ND	48° 12' 12.96" N, 101° 16' 26.4" W