

From: Enrique Amezcua
To: Jae Lim
Cc: Phil Kratchanov
Subject: [EXTERNAL]: Re: SES-LIC-20210621-00974; Call Sign: E210123
Date: Tuesday, July 20, 2021 1:05:46 PM
Attachments: image001.png
image.png
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Jae,

I forgot to address your question regarding
1. West Elev from 10 to 10.7 degrees

It is ok with X2nsat to update West Elev from 10 to 10.7 degrees.

Do you want us to submit an amendment to our application or are these emails answers enough for your processing needs?

feel free to email or call me if you have any other questions

Thank You



Enrique Amezcua
VP of Engineering and Operations
P: (707) 664-5708 | M:(707) 477-2651
E: enrique@x2n.com | W: x2nsat.com



NOTE: My email address has changed. Please update your contact records and spam filter accordingly.

On Tue, Jul 20, 2021 at 9:50 AM Enrique Amezcua <enrique@x2n.com> wrote:
attached is a copy of our FCC application for E210123

Showing:
FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
W20	Geostationary	17700 20200	39.0/ 174.0	102.0	10.0	257.0	10.0	0.0
	Geostationary	27000 30000	39.0/ 174.0	102.0	10.0	257.0	10.0	14.0

and

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
W20	17700 20200	R	Left and Right Circular	50M0GTD	0.0	0.0

The emission designator above "50M0GTD" is a typo, it should have been 50MG7D.

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

M-ary PSK, Data

W20	27500 30000	T	Left and Right Circular	500MG7D	72.1	21.1
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E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

M-ary PSK, Data

On Tue, Jul 20, 2021 at 9:01 AM Jae Lim <Jae.Lim@fcc.gov> wrote:

Hi Enrique Amezcua and Garrett Hill,

Please confirm the following changes in your application:

1. West Elev from 10 to 10.7 degrees
2. Please provide corrected Emission 50M0GTD

Thanks.

Jae Lim

FCC/IB

File No.	SES-LIC-20210621-00974	Call Sign	E210123	Filing State	Pending	Status	APP	Status Date	Jun 22 2021 3:	No. Sites	3		
Applicant	X2nSat			File Date	Jun 21 2021	Last Action		Action Date					
Class of Station	Fixed Earth Stations	Type of Facility	Transmit/Receive	Nature of Service	FSS = Fixed Satellite Service								
☒ US Licensed Satellites													
☐ Non-US Licensed Satellites	Certifications	OK											
Routed To: Jae_Lim													
Las Cruces													
City	Las Cruces	County		State	NM	Lat	321530.0N	Lon	1065430.0W	Grnd (m amsl)	1200		
NAD83													
Ant Row	Antenna ID	Diameter (m)	Max Input Power (w)	Max Output Eirp	Gain (dB@GHz)	Gain (dB@GHz)	PtComms: PERMITTED LIST ©						
1	w20	3.5	50	75.3	58.3 @ 29	54.7 @ 19							
Crd 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	17700	20200	39w	174w	10	10	102	257	10.0	10.7	102.2	257.3	w20
2	27000	30000	39w	174w	10	10	102	257	10.0	10.7	102.2	257.3	w20
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	27500	30000	500MG7D	72.10	21.10	T	500. MHz	Digital	13.80	23.99	-37.20	w20	
2	17700	20200	50M0G1D	.00	0.00	R	50.0 MHz	Unknown				w20	