

Jae Lim

From: Darryl White <dwhite@usei-teleport.com>
Sent: Friday, January 8, 2021 3:51 PM
To: Jae Lim; TOCC
Subject: RE: SES-LIC-20201002-01069; Call Sign: E9494

Jae,

Happy New Year.

Yes, your calculation of 58.6 dBi @ 11.2 GHz is correct.

Regards,

Darryl White

From: Jae Lim <Jae.Lim@fcc.gov>
Sent: Friday, January 8, 2021 11:37 AM
To: TOCC <tocc@usei-teleport.com>
Subject: SES-LIC-20201002-01069; Call Sign: E9494

Happy new year, Mr. Darryl White.

I just have a quick question.

You didn't provide an antenna gain @ 10950-11200 MHz.

I calculated it and it's 58.6 [dBi@11.2GHz](#), but I need to confirm with you.

Please let me know.

Thanks.

File No.	SES-LIC-20201002-01069	Call Sign:	E9494	Filing State:	Pending	Status:	AFP	Status Date:	Oct 5 20				
Applicant:	Denali 20020, LLC			File Date:	Oct 2 2020 9	Last Action:		Action Date:					
Class of Station:	Fixed Earth Stations	Type of Facility:	Transmit/Receive	Nature of Service:	FSS = Fixed Satellite Service								
<input checked="" type="checkbox"/> US Licensed Satellites	Certifications: DK			Requires Freq. Coord. Exhibit for Vernon					Routed To:	Jae_Lim			
<input type="checkbox"/> Non-US Licensed Satellites													
Vernon													
City:	VERNON VALLEY	County:	Sussex	State:	NJ	Lat:	411210.3N	Lon:	0743137.6W	Gnd (m amsl):	225	N/A	
Ant Row	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output Eirp	Gain (dBi@GHz)	Gain (dBi@GHz)							
1	9m	9	537	87.7	60.4 @ 14	59.1 @ 12							
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
2	14000	14500	42W	139W	32	10.4	135.9	252.5	32.0	10.4	135.9	252.5	9m
3	11450	12200	42W	139W	32	10.4	135.9	252.5	32.0	10.4	135.9	252.5	9m
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	14000	14500	54M0G7W	87.70	46.40	T	54.0 MHz	Digital	27.30	537.03	-14.00	9m	
2	14000	14500	36M0G7W	85.90	46.40	T	36.0 MHz	Digital	25.50	354.81	-14.00	9m	
3	14000	14500	300KF3W	65.10	46.40	T	300. kHz	Analog	4.70	2.95	-14.00	9m	
4	10950	11200	300KF3W			R	300. kHz	Analog				9m	
5	11450	12200	300KF3W			R	300. kHz	Analog				9m	
6	10950	11200	36M0G7W			R	36.0 MHz	Digital				9m	
7	11450	12200	36M0G7W			R	36.0 MHz	Digital				9m	
8	10950	11200	54M0G7W			R	54.0 MHz	Digital				9m	
9	11450	12200	54M0G7W			R	54.0 MHz	Digital				9m	

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