

Jae Lim

From: Merrick, Patrick H <patrick.merrick@verizon.com>
Sent: Wednesday, February 3, 2021 12:34 PM
To: Jae Lim
Subject: Re: [E] SES-LIC-20210113-00047; Call Sign: E210006

Hi Jae. I'm going to apologize in advance for my ignorance as I while my name is associated with all non-wireless Verizon FRNs, I am only the regulatory attorney. I asked the business engineers and they provided the following response. If this is not what you are looking for, let me know and I will circle back with our engineers and ask again.

ANTENNA							
Site ID	E28. Antenna ID	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size (meters)	E41/42. Antenna Gain Transmit and/or Receive (dB at GHz)	
Willow Rock	MEO1	1	AVL	2470	2.4	54.5 dBi @ 28.36 GHz	
Willow Rock	MEO1	1	AVL	2470	2.4	51.0 dBi @ 18.58 GHz	

E28. Antenna ID	E33/34. Diameter	E35. Above Ground Level	E36. Above Sea Level	E37. Building Height Above	E38. Total Input Power at	E39. Maximum Height Above	E40. Total EIRP for all
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On Tue, Feb 2, 2021 at 3:01 PM Jae Lim <Jae.Lim@fcc.gov> wrote:

Hi Patrick Merrick,

I hope all is well.

Please provide the Antenna Gains for 18800-19300 MHz and 28600-29100 MHz.

Thanks.

Jae Lim

FCC/IB

File No:	SES-LIC-20210113-00047	Call Sign:	E210006	Filing State:	Pending	Status:	AFP	Status Date:	Jan 13	
Applicant:	MCI Communications Services, LLC	File Date:	Jan 13 2021	Last Action:		Action Date:				
Class of Station:	Fixed Earth Stations	Type of Facility:	Transmit/Receive	Nature of Service:	FSS = Fixed Satellite Service					
<input type="checkbox"/> US Licensed Satellites <input type="checkbox"/> Non-US Licensed Satellites		Certifications:	US/Non-US Lic. Sats NOT indicated Requires Freq. Coord. Exhibit for WR Earth Station				Routed To:	Jae_Lim		
WR Earth Station										

City:	Window Rock	County:	Apache	State:	AZ	Lat:	354029.6N	Lon:	1090326.6W	Gnd (m amsl):	2082
Ant Row	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output Eirp	Gain (dBi@GHz)	Gain (dBi@GHz)					
1	1-2	2.4	40	70	51.0 @ 18.5	54.5 @ 28.3					

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
3	27600	28400	0	0	10	10	121.1	238.8	-23.4	-23.4	258.6	258.6	1-2
4	28600	29100	0	0	10	10	121.1	238.8	-23.4	-23.4	258.6	258.6	1-2

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	17800	18600	1M00G7D	.00	0.00	R	1.00 MHz	Digital				1-2
2	17800	18600	216MG7D	.00	0.00	R	216. MHz	Digital				1-2
3	18800	19300	1M00G7D	.00	0.00	R	1.00 MHz	Digital				1-2
4	18800	19300	216MG7D	.00	0.00	R	216. MHz	Digital				1-2
5	27600	28400	1M00G7D	70.00	32.00	T	1.00 MHz	Digital	15.50	35.48	-22.50	1-2
6	27600	28400	216MG7D	70.00	23.20	T	216. MHz	Digital	15.50	35.48	-31.30	1-2
7	28600	29100	1M00G7D	70.00	32.00	T	1.00 MHz	Digital	No Gain Found			1-2
8	28600	29100	216MG7D	70.00	23.20	T	216. MHz	Digital	No Gain Found			1-2



Patrick Merrick

Counsel
Verizon Consumer Group

M 703 447 0209
22001 Loudoun County Pkwy
Ashburn, VA 20147

