

From: Brooks, Daniel
To: Jae Lim
Cc: Hindin, Jennifer
Subject: RE: SES-MFS-20210125-00146; Call Sign: E060014
Date: Monday, April 5, 2021 6:30:13 PM
Attachments: image001.png
image002.png

Hi, Jae; thank you for your email. We would like to leave DIRECTV8 (now known as T8) as a point of communication. This satellite is now operating at 119.05 WL.

However, Spaceway 1 has been deorbited and can therefore be removed as a point of communication.

The antenna gain for 28350-28600 MHz is **58.0 dBi at 28.50 GHz**.

Please let me know if I can provide you with any additional information.

Best,
Dan

From: Jae Lim <Jae.Lim@fcc.gov>
Sent: Thursday, April 1, 2021 1:37 PM
To: Brooks, Daniel <DBrooks@wiley.law>
Subject: SES-MFS-20210125-00146; Call Sign: E060014

External Email

Hi,

We are reviewing your MOD application to add the Permitted List to your PntComm.

Please email me the following information:

1. DirecTV8@101W is either retired or replaced. Do you want to delete this?
2. What is the Antenna Gain for 28350-28600 MHz?

We will keep and won't change all other numbers as is authorized.

Thanks.

Jae Lim
FCC/IB

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) NEUF to SPACEWAY 1 satellite @103 degrees W.L.
- 2) NEUF to SPACEWAY 2 (S2133) satellite @ 138.9 degrees W.L.
- 3) NEUF to DIRECTV 8 @ 101.0 degrees W.L. of the Direct Broadcast Satellite system (U.S.-licensed)
- 4) NEUF to Permitted Space Station List

File No.	SES-MFS-20210125-00146	Call Sign	E060014	Filing State	Pending	Status	FPRVD	Status Date	Mar 5 2021 11:	No. Sites			
Applicant	DIRECTV Enterprises, LLC			File Date	Jan 25 2021	Last Action		Action Date					
Class of Station	Fixed Earth Stations		Type of Facility	Transmit/Receive		Nature of Service	DHFS = Direct to Home Fixed Satellite FSS = Fixed Satellite Service						
☒ US Licensed Satellites	☐ Non-US Licensed Satellites		Certifications	Alien Applicant Foreign Corporation				Routed To	Jae_Lim				
NEUF													
City	New Hampton		County		State	NH	Lat	433724.2N	Lon	0713832.4W	Gnd (m amsl)	157	NAD83
Ant. Row	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output Eirp	Gain (dBi@GHz)	Gain (dBi@GHz)						PtComms	
1	NEUF	3.5	191	81.1	55.2 @ 19.95	58.3 @ 29.6						SPACEWAY 1 @ 103 W.L. SPACEWAY 2 (S2133) @ 138.9 W.L. DIRECTV 8 @ 101 W.L. PERMITTED LIST @	
Crd Row	Freq Lo (MHz)	Freq Hi (MHz)	Sat Arc (E/est)	Sat Arc (W/est)	Elev (E/est)	Elev (W/est)	Azim (E/est)	Azim (W/est)	Calc Elev (E/est)	Calc Elev (W/est)	Calc Azim (E/est)	Calc Azim (W/est)	Antenna ID
1	29250	30000	80	120	39	20.6	192.1	238.5	-45.6	-50.7	218.0	163.4	NEUF
2	28350	28600	80	120	39	20.6	192.1	238.5	-45.6	-50.7	218.0	163.4	NEUF
3	19700	20200	80	120	39	20.6	192.1	238.5	-45.6	-50.7	218.0	163.4	NEUF
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	29250	30000	8M50G7W	76.60	43.30	T	8.50 MHz	Digital	18.30	67.61	-15.00	NEUF	
2	29250	30000	14M1G7W	78.80	43.30	T	14.1 MHz	Digital	20.50	112.20	-15.00	NEUF	
3	29250	30000	5M70G1W	74.90	43.30	T	5.70 MHz	Digital	16.60	45.71	-15.00	NEUF	
4	29250	30000	2M90G1W	71.90	43.30	T	2.90 MHz	Digital	13.60	22.91	-15.00	NEUF	
5	29250	30000	2M20G1W	70.70	43.30	T	2.20 MHz	Digital	12.40	17.38	-15.00	NEUF	
6	29250	30000	22M6G7W	80.80	43.30	T	22.6 MHz	Digital	22.50	177.83	-15.00	NEUF	
7	29250	30000	54M0G7W	81.10	39.80	T	54.0 MHz	Digital	22.80	190.55	-18.50	NEUF	
8	29250	30000	36M0G7W	81.10	41.60	T	36.0 MHz	Digital	22.80	190.55	-16.70	NEUF	
9	29250	30000	24M0G7W	81.10	43.30	T	24.0 MHz	Digital	22.80	190.55	-15.00	NEUF	
10	28350	28600	8M50G7W	76.60	43.30	T	8.50 MHz	Digital	No Gain Found			NEUF	
11	28350	28600	14M1G7W	78.80	43.30	T	14.1 MHz	Digital	No Gain Found			NEUF	
12	28350	28600	5M70G1W	74.90	43.30	T	5.70 MHz	Digital	No Gain Found			NEUF	
13	28350	28600	2M90G1W	71.90	43.30	T	2.90 MHz	Digital	No Gain Found			NEUF	
14	28350	28600	2M20G1W	70.70	43.30	T	2.20 MHz	Digital	No Gain Found			NEUF	
15	28350	28600	22M6G7W	80.80	43.30	T	22.6 MHz	Digital	No Gain Found			NEUF	
16	28350	28600	54M0G7W	81.10	39.80	T	54.0 MHz	Digital	No Gain Found			NEUF	
17	28350	28600	36M0G7W	81.10	41.60	T	36.0 MHz	Digital	No Gain Found			NEUF	
18	28350	28600	24M0G7W	81.10	43.30	T	24.0 MHz	Digital	No Gain Found			NEUF	
19	19700	20200	8M50G7W	.00	0.00	R	8.50 MHz	Digital				NEUF	
20	19700	20200	14M1G7W	.00	0.00	R	14.1 MHz	Digital				NEUF	
21	19700	20200	5M70G1W	.00	0.00	R	5.70 MHz	Digital				NEUF	

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