

From: [Brooks, Daniel](#)
To: [Jae Lim](#)
Cc: [Hindin, Jennifer](#)
Subject: RE: SES-MFS-20210125-00146; Call Sign: E060014
Date: Friday, May 28, 2021 5:39:04 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

Good afternoon, Jae; thank you for your email. Yes, please reduce the EIRP to 80.8 dBW. Thanks and have a great weekend.

Best,
Dan

From: Jae Lim <Jae.Lim@fcc.gov>
Sent: Friday, May 28, 2021 1:47 PM
To: Brooks, Daniel <DBrooks@wiley.law>
Cc: Hindin, Jennifer <JHindin@wiley.law>
Subject: RE: SES-MFS-20210125-00146; Call Sign: E060014

External Email

Hi Dan,

Sorry for this late response.

For items 1, 2, and 3:

204.17 W (81.1-58 = 23.1 dBW = 204.17 W) exceeds the input power, 191W.

Please consider lowering EIRP 81.1 dBW.

Please let us know.

Thanks and have a nice weekend.

Jae Lim
FCC/IB

From: Brooks, Daniel <DBrooks@wiley.law>
Sent: Wednesday, April 7, 2021 10:23 AM
To: Jae Lim <Jae.Lim@fcc.gov>
Cc: Hindin, Jennifer <JHindin@wiley.law>
Subject: RE: SES-MFS-20210125-00146; Call Sign: E060014

Good morning, Jae. For items 1, 2, and 3 in your email below, please use **Input Power of 190.55W** for each of these.

For item 4, please use **SatArc (East) of -80 and SatArc (West) of -120**.

Best,
Dan

From: Jae Lim <Jae.Lim@fcc.gov>
Sent: Tuesday, April 6, 2021 4:08 PM
To: Brooks, Daniel <DBrooks@wiley.law>
Cc: Hindin, Jennifer <JHindin@wiley.law>
Subject: RE: SES-MFS-20210125-00146; Call Sign: E060014

External Email

Hi Dan,

Thanks for this information.

We need to make some additional changes to your schedule B.

Please provide the following information:

1. Power (204.17 W) on 28350-28600 54M0G7W exceeds Max Input Power 191.00 W for Antenna. Please consider changing EIRP or Input Power.
2. Power (204.17 W) on 28350-28600 36M0G7W exceeds Max Input Power 191.00 W for Antenna. Please consider changing EIRP or Input Power.
3. Power (204.17 W) on 28350-28600 24M0G7W exceeds Max Input Power 191.00 W for Antenna. Please consider changing EIRP or Input Power.
4. Although currently SatArc 80-120 are authorized in your license, do you want to change these SatArc for calculated 5 degree elev? IBFS calculated and tells me Elev are -45.6 and -50.7 degrees.

Thanks.

Jae Lim
FCC/IB

File No:	SES-MFS-20210125-00146	Call Sign:	E060014	Filing State:	Pending	Status:	FPRVD	Status Date:	Mar 5 2021 11:
Applicant:	DIRECTV Enterprises, LLC	File Date:	Jan 25 2021	Last Action:		Action Date:		No. Sites:	1
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 Satellite		Certifications:	Alien Applicant Foreign Corporation					Routed To:	Jae_Lim
NEUF									
City:	New Hampton	County:		State:	NH	Lat:	433724.2N	Lon:	0713832.4W
Ant. Row:	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output Eirp	Gain (dBi@GHz)	Gain (dBi@GHz)		Grnd (m amsl)	157
1	NEUF	3.5	191	81.1	55.2 @ 19.95	58.3 @ 29.6			NAD83
PtComms: SPACEWAY 1 @ 103 W.L. SPACEWAY 2 (S2133) @ 138.9 W.L. DIRECTV 8 @ 101 W.L. PERMITTED LIST @									

Cd 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	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	00	00	0.0	0.0	0.0	0.0	-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	5M40G7W	81.10	39.80	T	5.40 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	2M40G7W	81.10	43.30	T	2.40 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	5M40G7W	81.10	39.80	T	5.40 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	2M40G7W	81.10	43.30	T	2.40 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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