

From: Paul Feldman
 To: Jae Lim
 Subject: RE: [EXTERNAL]: FW: SES-MOD-20210528-00860; Call Sign: E150010
 Date: Tuesday, July 27, 2021 4:25:56 PM
 Attachments: image001.png
 image002.png
 image003.png

Jae: Hawaii Pacific Teleport accepts the revisions to 39.23 dBW/4K.

Are these emails sufficient for you to process the application, or do you need HPT to file an amendment?

Thank you.

Paul Feldman

Paul J. Feldman
Fletcher, Heald & Hildreth
 1300 N. 17th Street, Suite 1100 | Arlington, VA 22209
 Tel: 703.812.0403
feldman@fhhlaw.com | www.fhhlaw.com | www.commlawblog.com

From: Jae Lim [mailto:Jae.Lim@fcc.gov]
 Sent: Tuesday, July 27, 2021 1:54 PM
 To: Paul Feldman <feldman@fhhlaw.com>
 Subject: RE: [EXTERNAL]: FW: SES-MOD-20210528-00860; Call Sign: E150010

Hi Paul,

According to my calculation, you would have to lower 41.6 dBW/4K to 39.23 dBW/4K.

Please confirm this change.

Thanks.

Jae Lim
 FCC/IB

File No.	SES-MOD-20210528-00860	Call Sign	E150010	Filing State	Pending	Status	AFP	Status Date	May 28 2021 11				
Applicant:		Hawaii Pacific Teleport LLLP			File Date:	May 28 2021	Last Action:		Action Date:				
Class of Station:		Fixed Earth Stations	Type of Facility:	Transmit/Receive	Nature of Service:	FSS = Fixed Satellite Service			No. Sites:	1			
<input checked="" type="checkbox"/> US Licensed Satellites <input type="checkbox"/> Non-US Licensed Satellites		Certifications:		Alien Applicant Foreign Corporation		Routed To:		Jae_Lim					
City: Kapolei County: Honolulu State: HI Lat: 212012.0N Lon: 1580525.2W Gnd (m amsl): 37.2 NAD83													
Ant Row	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output EIRP	Gain (dBi@GHz)	Gain (dBi@GHz)							
1	1	15.5	350	83.44	54.7 @ 3.95	58.0 @ 6.175							
2	2	9	350	85.54	58.5 @ 11.95	60.1 @ 14.25							
Cr Row	Freq Lo (MHz)	Freq Hi (MHz)	SatArc (East)	SatArc (West)	Elev (East)	Elev (West)	RF 1 Azim (East)	RF 1 Azim (West)	Calc Elev (East)	Calc Elev (West)	Calc Azim (East)	Calc Azim (West)	Antenna ID
1	3700	4200	120W	226W	41	12	115	261.6	40.5	12.0	114.9	261.6	1
2	5925	6425	120W	226W	41	12	115	261.6	40.5	12.0	114.9	261.6	1
3	14000	14500	180W	180W	48	18	227.7	227.7	48.0	18.0	227.7	227.7	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	5925	6425	36M0G7W	83.44	43.90	T	36.0 MHz	Digital	25.44	349.95	-14.10	1	
2	5925	6425	51K2G7W	54.97	43.90	T	51.2 kHz	Digital	-3.03	50	-14.10	1	
3	3700	4200	36M0G7W			R	36.0 MHz	Digital				1	
4	3700	4200	51K2G7W			R	51.2 kHz	Digital				1	
5	14000	14500	36M0G7W	85.54	46.00	T	36.0 MHz	Digital	25.44	349.95	-14.10	2	
6	14000	14500	4M00G7W	76.00	46.00	T	4.00 MHz	Digital	15.90	38.90	-14.10	2	
7	11450	11700	36M0G7W			R	36.0 MHz	Digital				2	
8	11450	11700	4M00G7W			R	4.00 MHz	Digital				2	
9	10950	11200	26M0G7W			R	26.0 MHz	Digital				2	
10	10950	11200	4M00G7W			R	4.00 MHz	Digital				2	
11	13750	13771	38M0G7W	77.00	37.40	T	36.0 MHz	Digital	16.90	48.98	-22.70	2	
12	13750	13771	4M00G7W	71.60	41.6	T	4.00 MHz	Digital	11.50	14.13	-18.50	2	
13	13772	13778	4M00G7W	71.60	41.6	T	4.00 MHz	Digital	11.50	14.13	-18.50	2	
14	13779	14000	36M0G7W	77.00	37.40	T	36.0 MHz	Digital	16.90	48.98	-22.70	2	
15	13779	14000	4M00G7W	71.60	41.6	T	4.00 MHz	Digital	11.50	14.13	-18.50	2	
16	27500	29100	133MG7W	80.90	35.70	T	133. MHz	Digital	16.80	47.86	-28.40	3	
17	27500	29100	51M4G7W	76.70	35.70	T	51.4 MHz	Digital	12.60	18.20	-28.40	3	
18	18400	19200	133MG7W			R	133. MHz	Digital				3	
19	18400	19200	51M4G7W			R	51.4 MHz	Digital				3	

PERMITTED LIST @
 EUTELSAT1744(S2610) @ 174 E.L.
 EUTELSAT1728(S3021) @ 172 E.L.

From: Paul Feldman <feldman@fhhlaw.com>
 Sent: Tuesday, July 27, 2021 10:24 AM
 To: Jae Lim <Jae.Lim@fcc.gov>
 Subject: [EXTERNAL]: FW: SES-MOD-20210528-00860; Call Sign: E150010

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Hi there.

Updated power levels are below. Can you confirm these are acceptable and then we can take the next step to have them uploaded?

Site Identifier: 1
 Antenna ID:2
 E43: Frequency Lower (MHz) : 13779
 E44: Frequency Upper (MHz) : 14000
 E45: T/R Mode: T
 E46: Polarization: Horizontal and Vertical
 E47: Emission Designator: 4M00G7W

E48: Maximum EIRP per Carrier (dBW): 71.6
E49: Maximum EIRP Density per Carrier (dBW): 41.6
E50: Modulation and Services:

Digital Data carrier

E43: Frequency Lower (MHz) : 13779
E45: T/R Mode: T

E44: Frequency Upper (MHz) : 14000
E46: Polarization: Horizontal and Vertical

E47: Emission Designator: 36M0G7W
E48: Maximum EIRP per Carrier (dBW): 77.0
E49: Maximum EIRP Density per Carrier (dBW): 37.4

E50: Modulation and Services:

Digital Data carrier

E43: Frequency Lower (MHz) : 13772
E45: T/R Mode: T

E44: Frequency Upper (MHz) : 13778
E46: Polarization: Horizontal and Vertical

E47: Emission Designator: 4M00G7W
E48: Maximum EIRP per Carrier (dBW): 71.6
E49: Maximum EIRP Density per Carrier (dBW): 41.6

E50: Modulation and Services:

Digital Data carrier

E43: Frequency Lower (MHz) : 13750
E45: T/R Mode: T

E44: Frequency Upper (MHz) : 13771
E46: Polarization: Horizontal and Vertical

E47: Emission Designator: 36M0G7W
E48: Maximum EIRP per Carrier (dBW): 77.0
E49: Maximum EIRP Density per Carrier (dBW): 37.4

E50: Modulation and Services:

Digital Data carrier

E43: Frequency Lower (MHz) : 13750
E45: T/R Mode: T

E44: Frequency Upper (MHz) : 13771
E46: Polarization: Horizontal and Vertical

E47: Emission Designator: 4M00G7W
E48: Maximum EIRP per Carrier (dBW): 71.6
E49: Maximum EIRP Density per Carrier (dBW): 41.6

E50: Modulation and Services:

Digital Data carrier

Thanks very much.

Paul

Paul J. Feldman

 **Fletcher, Heald & Hildreth**

1300 N. 17th Street, Suite 1100 | Arlington, VA 22209

Tel: 703.812.0403

feldman@fhlaw.com | www.fhlaw.com | www.commlawblog.com

From: Jae Lim [<mailto:Jae.Lim@fcc.gov>]

Sent: Monday, July 26, 2021 3:39 PM

To: Paul Feldman <feldman@fhlaw.com>

Subject: SES-MOD-20210528-00860; Call Sign: E150010

Hi Paul Feldman,

Please see the comments below and provide corrected eirp density for 13.75-14 GHz.

Thanks.

Eirp Density (45.4 dBW/4kHz) on 13750-13771 36M0G7W exceeds 71 dBW/6MHz (see 25.204) on SiteID 1, AntennaID 2

Eirp Density (46.1 dBW/4kHz) on 13750-13771 4M00G7W exceeds 71 dBW/6MHz (see 25.204) on SiteID 1, AntennaID 2

Eirp Density (41.5 dBW/4kHz) on 13772-13778 4M00G7W exceeds 71 dBW/6MHz (see 25.204) on SiteID 1, AntennaID 2

Eirp Density (45.4 dBW/4kHz) on 13779-14000 36M0G7W exceeds 71 dBW/6MHz (see 25.204) on SiteID 1, AntennaID 2

Eirp Density (46.1 dBW/4kHz) on 13779-14000 4M00G7W exceeds 71 dBW/6MHz (see 25.204) on SiteID 1, AntennaID 2

File No.	SES-MOD-20210528-00860	Call Sign	E150010	Filing State	Pending	Status	AFP	Status Date	May 28 2021 11
Applicant	Hawaii Pacific Teleport LLLP	File Date	May 28 2021	Last Action		Action Date		No. Sites	
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		Alien Applicant Foreign Corporation		Routed To		Jae Lim		
<input type="checkbox"/> Non-US Licensed Satellites									

City: Kapolei County: Honolulu State: HI Lat: 212012.0N Lon: 1580525.2W Grd (m amsl): 37.2 NAD83

Ant Row	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output Eirp	Gain (dB@GHz)	Gain (dB@GHz)	PTComms:			
1	1	15.5	350	83.44	54.7 @ 3.95	58.0 @ 6.175	PERMITTED LIST @ EUTELSAT174A(S2610) @ 174 E.L EUTELSAT172B(S3021) @ 172 E.L			
2	2	9	350	85.54	58.5 @ 11.95	60.1 @ 14.25				
3	3	9.2	177	85.1	61.5 @ 18.7	64.1 @ 28.5				

Crd Row	Freq Lo (MHz)	Freq Hi (MHz)	SaArc (East)	SaArc (West)	Elev (East)	Elev (West)	Calc Elev (East)	Calc Elev (West)	Calc Azim (East)	Calc Azim (West)	Antenna ID	
7	27500	29100	172W	172W	26.3	26.3	237.7	237.7	60.4	60.4	214.2	3
8	18400	19200	172W	172W	26.3	26.3	237.7	237.7	60.4	60.4	214.2	3

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	5925	6425	36M0G7W	83.44	43.90	T	36.0 MHz	Digital	25.44	349.95	-14.10	1
2	5925	6425	51K2G7W	54.97	43.90	T	51.2 kHz	Digital	-3.03	50	-14.10	1
3	3700	4200	36M0G7W			R	36.0 MHz	Digital				1
4	3700	4200	51K2G7W			R	51.2 kHz	Digital				1
5	14000	14500	36M0G7W	85.54	46.00	T	36.0 MHz	Digital	25.44	349.95	-14.10	2
6	14000	14500	4M00G7W	76.00	46.00	T	4.00 MHz	Digital	15.90	38.90	-14.10	2
7	11450	11700	36M0G7W			R	36.0 MHz	Digital				2
8	11450	11700	4M00G7W			R	4.00 MHz	Digital				2
9	10950	11200	26M0G7W			R	26.0 MHz	Digital				2
10	10950	11200	4M00G7W			R	4.00 MHz	Digital				2
11	13750	13771	36M0G7W	85.00	45.4	T	36.0 MHz	Digital	24.90	309.03	-14.70	2
12	13750	13771	4M00G7W	76.10	46.1	T	4.00 MHz	Digital	16.00	39.81	-14.00	2
13	13772	13778	4M00G7W	71.50	41.5	T	4.00 MHz	Digital	11.40	13.80	-18.60	2
14	13779	14000	36M0G7W	85.00	45.4	T	36.0 MHz	Digital	24.90	309.03	-14.70	2
15	13779	14000	4M00G7W	76.10	46.1	T	4.00 MHz	Digital	16.00	39.81	-14.00	2
16	27500	29100	133M0G7W	80.90	35.70	T	133.0 MHz	Digital	16.80	47.86	-28.40	3
17	27500	29100	51M4G7W	76.70	35.70	T	51.4 MHz	Digital	12.60	18.20	-28.40	3
18	18400	19200	133M0G7W			R	133.0 MHz	Digital				3
19	18400	19200	51M4G7W			R	51.4 MHz	Digital				3

Jae Lim
FCC/IB