

From: Jack Narciso
 To: Jae Lim <Petra.Vorwig>
 Cc: Gateway Services GEO <Kelsie.Rutherford>
 Subject: RE: SES-MFS-20210423-00730; SES-RWL-20210405-00599; SES-STA-20210419-00718; Call sign: E960207
 Date: Tuesday, April 27, 2021 11:54:19 AM
 Attachments: image001.png
 image002.png
 image003.png

Hi Jae,

Confirmed. Apologies for not catching that, those values were copied from previous license.

Jack Narciso
 Technology, Infrastructure Engineering & Maintenance, US



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From: Jae Lim <Jae.Lim@fcc.gov>
 Sent: Tuesday, April 27, 2021 11:39 AM
 To: Jack Narciso <jack.narciso@ses.com>; Petra Vorwig <Petra.Vorwig@ses.com>
 Cc: Gateway Services GEO <GSG@ses.com>; Kelsie Rutherford <Kelsie.Rutherford@ses.com>
 Subject: RE: SES-MFS-20210423-00730; SES-RWL-20210405-00599; SES-STA-20210419-00718; Call sign: E960207

Hi Jack,

We need to lower the Power Density 58.4 dBW/4kHz by 5.7 dB to comply with 25.212(d).

Please confirm this change.

Thanks.

Jae Lim
 FCC/IB

PowDen (3 dBW) on 6334-6425 36M0G7W exceeds Max Digital PowDen of -2.7 for ROUTINE PROCESSING. To meet ROUTINE PROCESSING level, this power density may be reduced by 5.7 dB;
 PowDen (3 dBW) on 5925-6178 36M0G7W exceeds Max Digital PowDen of -2.7 for ROUTINE PROCESSING. To meet ROUTINE PROCESSING level, this power density may be reduced by 5.7 dB;
 PowDen (3 dBW) on 6425.5-6483 36M0G7W exceeds Max Digital PowDen of -2.7 for ROUTINE PROCESSING. To meet ROUTINE PROCESSING level, this power density may be reduced by 5.7 dB;

§25.212 Narrowband analog transmissions and digital transmissions in the GSO FSS.

(d) An individual earth station may be routinely licensed for digital transmission in the conventional C-band or, except for an ESIM, in the extended C-band, if the applicant certifies conformance with relevant antenna performance standards in §25.209(a) and (b), and power density into the antenna will not exceed -2.7 dBW/4 kHz. An individual earth station, other than an ESIM, may be routinely licensed for analog transmission with carrier bandwidths up to 200 kHz (or up to 1 MHz for command carriers at the band edge) in the conventional C-band or the extended C-band, if the applicant certifies conformance with relevant antenna performance standards in §25.209(a) and (b), and power density into the antenna will not exceed +0.5 dBW/4 kHz.

File No.	SES-MFS-20210423-00730	Call Sign	E960207	Filing State	Pending	Status	FPRVD	Status Date	Apr 23 2021 5:1				
Applicant	SES Americom, Inc.												
File Date	Apr 23 2021												
Last Action													
Action Date													
No. Sites	1												
Class of Station	Fixed Earth Stations	Type of Facility	Transmit/Receive	Nature of Service	FSS = Fixed Satellite Service	IFSS = International Fixed Satellite Service							
US Licensed Satellites	<input checked="" type="checkbox"/>												
Non-US Licensed Satellites	<input type="checkbox"/>												
Certifications	OK												
Requires Freq. Coord. Exhibit for 1	<input type="checkbox"/>												
Routed To	Jae_Lim												
City	SUNSET BEACH	County	HONOLULU	State	HI	Lat	214015.4N	Lon	1580156.4W				
Grnd (m amsl)	134.1												
NAD83													
Ant. Row	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output EIRP	Gain (dBi@GHz)	Gain (dBi@GHz)	PERMITTED LIST @						
1	1	11	3000	89.97	51.9 @ 4	55.4 @ 6							
Ord Row	Freq Lo (MHz)	Freq Hi (MHz)	SatArc (E/W)	SatArc (E/W)	Elev (E/Est)	Elev (W/West)	Azim (E/Est)	Azim (W/West)	Calc Elev (E/Est)	Calc Elev (W/West)	Calc Azim (E/Est)	Calc Azim (W/West)	Antenna ID
1	5925	6425	150W	232W	63	6.2	159.1	263.9	63.0	6.2	159.1	263.9	1
2	6425.5	6483	150W	232W	63	6.2	159.1	263.9	63.0	6.2	159.1	263.9	1
3	6425.5	6483	36M0G7W	85.40	58.40	T	36.0	MHz	Digital	30.00	1000.00	-3.00	1
4	6334	6425	36M0G7W	85.40	58.40	T	36.0	MHz	Digital	30.00	1000.00	-3.00	1
5	5925	6425	36M0G7W	78.40	51.40	T	36.0	MHz	Digital	23.00	199.53	-4.00	1
6	5925	6178	36M0G7W	85.40	58.40	T	36.0	MHz	Digital	30.00	1000.00	-3.00	1
7	3700	4200	36M0G7W			R	36.0	MHz	Digital				1

From: Jack Narciso <jack.narciso@ses.com>
 Sent: Monday, April 26, 2021 8:42 AM
 To: Jae Lim <Jae.Lim@fcc.gov>; Petra Vorwig <Petra.Vorwig@ses.com>
 Cc: Gateway Services GEO <GSG@ses.com>; Kelsie Rutherford <Kelsie.Rutherford@ses.com>
 Subject: RE: SES-RWL-20210405-00599; SES-STA-20210419-00718; Call sign: E960207

Hi Jae,

This antenna will be pointed at Eutelsat 172B.

Jack Narciso
 Technology, Infrastructure Engineering & Maintenance, US



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From: Jae Lim <Jae.Lim@fcc.gov>

Sent: Monday, April 26, 2021 8:38 AM

To: Jack Narciso <jack.narciso@ses.com>; Petra Vorwig <Petra.Vorwig@ses.com>

Cc: Gateway Services GEO <GSG@ses.com>; Kelsie Rutherford <Kelsie.Rutherford@ses.com>

Subject: RE: SES-RWL-20210405-00599; SES-STA-20210419-00718; Call sign: E960207

Good Monday morning Jack,

If you would like to use the Permitted List prior to this MFS grant, please let us know the list of specific satellites you would like to communicate with.

We will have the list of satellites in the STA.

Thanks.

Jae Lim

FCC/IB

From: Jack Narciso <jack.narciso@ses.com>

Sent: Friday, April 23, 2021 2:36 PM

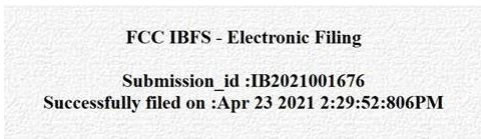
To: Jae Lim <Jae.Lim@fcc.gov>; Petra Vorwig <Petra.Vorwig@ses.com>

Cc: Gateway Services GEO <GSG@ses.com>; Kelsie Rutherford <Kelsie.Rutherford@ses.com>

Subject: RE: SES-RWL-20210405-00599; SES-STA-20210419-00718; Call sign: E960207

Hi Jae,

Modification has been filed. I also updated the naming of the antenna (same antenna just different name to help us match the license to the antenna) and updated the coordinates that were corrected with the attached letter that was filed.



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From: Jack Narciso <jack.narciso@ses.com>

Sent: Friday, April 23, 2021 11:42 AM

To: Jae Lim <Jae.Lim@fcc.gov>; Petra Vorwig <Petra.Vorwig@ses.com>

Cc: Gateway Services GEO <GSG@ses.com>

Subject: Re: SES-RWL-20210405-00599; SES-STA-20210419-00718; Call sign: E960207

Thanks, Jae. I was unsure if the permitted list required the modification as I put it in the notes on the renewal. I did file the STA for use to the permitted list. I will work on the modification ASAP.

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From: Jae Lim <Jae.Lim@fcc.gov>

Sent: Friday, April 23, 2021 11:38:44 AM

To: Jack Narciso <jack.narciso@ses.com>; Petra Vorwig <Petra.Vorwig@ses.com>

Cc: Gateway Services GEO <GSG@ses.com>

Subject: RE: SES-RWL-20210405-00599; SES-STA-20210419-00718; Call sign: E960207

Hi Jack,

You would have to file a MOD to use the Permitted List.

Your antenna is using 3700-4200 MHz, but it's in HI and I expect it should be ok.

What satellites in the Permitted List are you currently using?

Please submit a MOD asap.

Thanks.

Jae Lim

FCC/IB

From: Jack Narciso <jack.narciso@ses.com>

Sent: Friday, April 23, 2021 11:00 AM

To: Jae Lim <Jae.Lim@fcc.gov>; Petra Vorwig <Petra.Vorwig@ses.com>

Cc: Gateway Services GEO <GSG@ses.com>

Subject: RE: SES-RWL-20210405-00599; SES-STA-20210419-00718; Call sign: E960207

Hi Jae,

Only the permitted list is needed. The below two can be removed. Thanks!

Jack Narciso
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From: Jae Lim <Jae.Lim@fcc.gov>
Sent: Friday, April 23, 2021 10:58 AM
To: Jack Narciso <jack.narciso@ses.com>; Petra Vorwig <Petra.Vorwig@ses.com>
Subject: SES-RWL-20210405-00599; SES-STA-20210419-00718; Call sign: E960207

Hi,

I'm currently working on your RWL and STA applications for E960207.

Please see below and provide an updated list of PntComms.

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) 1 to JCSAT-3A @ 128 degrees E.L. (Japan licensed satellite) (Market Access cancelled by Sky Perfect JSAT Corporation on 7-16-2020)
 - 2) 1 to INTELSAT