

From: [Keir, David S.](#)
To: [Jae Lim](#)
Subject: RE: SES-MFS-20210127-00153 - Call Sign: E080100
Date: Wednesday, March 3, 2021 7:37:31 PM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)
[Global Eagle - SES-MFS-20210127-00153 - Jan. 2021 ESAA MOD.pdf](#)

Jae –

Answers are below in red text and attached.

Please let me know if you need anything else.

Best regards,
David

David S. Keir
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LermanSenter

From: Jae Lim <Jae.Lim@fcc.gov>
Sent: Wednesday, March 03, 2021 4:06 PM
To: Keir, David S. <DKeir@lermansenter.com>
Subject: SES-MFS-20210127-00153; Call Sign: E080100

Hi David Keir,

I hope all is well.

I need to verify with you some changes to your application:

1. Is AMC-9 @83W operational? If not, please let me know if you want to replace/delete this.
 - It's correct that this satellite is no longer in use and can be deleted from the license. It has already been replaced by capacity on other satellites previously added to the license or included in the current MOD application.
2. I'm not seeing [Anik-F1@109.2W](#), Hispasat 143 W-1@143W, and Eutelsat 139 West A@139W in your PntComm. Please verify PntComms.
 - All are part of the modification application for antennas 2 and 3 on the license. And all show up on my printout of the application, as filed, which is attached. The MOD seeks to add all four of the listed satellites,
3. Your current license is approved for 43.8 dBW Max Output EIRP and [32.1@11.95](#) GHz Antenna Gain. I will change back. Please confirm.
 - We definitely want to maintain maximum output EIRP as currently authorized, though I think there is actually some variation in power depending on the satellite used (less power required under the link budget). But to be absolutely clear, we're definitely not seeking any reduction in authorized power.
4. Please confirm 25.209 compliance
 - The antennas are not 25.209 compliant, which is why we're seeking specific access to each satellite and have supplied coordination certifications from each space segment operator. But as a practical matter, the antennas themselves are already authorized, and we're just seeking access to alternative space segment in this application; no change in the authorized antennas is sought, so we answered N/A to that question.

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) 3 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 2) 3 to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 3) 3 to AMC 2 (S2134) @ 84.85 W.L. (formerly GE-2) (U.S.-Licensed)
- 4) 3 to AMC-9 (S2434) @ 83 degrees W.L. (U.S.-licensed)
- 5) 3 to AMC-3 (S2162) @ 72 degrees W.L. (U.S.-licensed)
- 6) 3 to SES-10 (S2950) @ 66.9 degrees W.L. (Colombia-licensed)
- 7) 3 to AMC 1 (S2445) @ 130.90 degrees W.L. (U.S.-licensed)
- 8) 3 to SES-15 (S2951) @ 129.15 degrees W.L. (United Kingdom-licensed)
- 9) 3 to EUTELSAT 133 WA (S3031) @ 132.85 W.L. (France licensed)
- 10) 3 to ANIK FIR (S2674) @ 107.3 degrees W.L. (Canada-licensed)
- 11) 1 to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 12) 1 to HORIZONS 1 (S2475) @ 127 degrees W.L. (Japan-licensed)
- 13) 1 to AMC-9 (S2434) @ 83 degrees W.L. (U.S.-licensed)
- 14) 2 to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 15) 2 to AMC-9 (S2434) @ 83 degrees W.L. (U.S.-licensed)
- 16) 2 to AMC 2 (S2134) @ 84.85 W.L. (formerly GE-2) (U.S.-Licensed)
- 17) 2 to AMC-3 (S2162) @ 72 degrees W.L. (U.S.-licensed)
- 18) 2 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 19) 2 to SES-10 (S2950) @ 66.9 degrees W.L. (Colombia-licensed)
- 20) 2 to SES-15 (S2951) @ 129.15 degrees W.L. (United Kingdom-licensed)
- 21) 2 to AMC 1 (S2445) @ 130.90 degrees W.L. (U.S.-licensed)
- 22) 2 to EUTELSAT 133 WA (S3031) @ 132.85 W.L. (France licensed)
- 23) 2 to ANIK FIR (S2674) @ 107.3 degrees W.L. (Canada-licensed)

Check Auto Grant Status for SES-MFS-20190312-00328 (E080100)

File No. SES-MFS-20190312-00328 Call Sign: E080100 Filing State: Pending Status: ATPN Status Date: Jan 29 2020 4

Applicant: Global Eagle Telecom Licensing Subsidiary LLC, Debtor-in-Poss. File Date: Jan 27 2021 Last Action: Action Date:

Class of Station: Other Type of Facility: Transmit/Receive Nature of Service: ESAA = Earth Station Aboard Aircraft
 US Licensed Satellites Certifications: Alien Applicant Foreign Corporation
 Non-US Licensed Satellites

City: CONUS County: State: Lat: Lon: Gnd (m amsl): NAD

Ant Row	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output EIRP	Gain (dBi@GHz)	Gain (dBi@GHz)
1	3	0.63	25	43.8	32.1 @ 11.95	

Ant Row	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output EIRP	Gain (dBi@GHz)	Gain (dBi@GHz)
1	3	0.63	25	43.4	32.1 @ 11.2	33.6 @ 14.25

Crd Row	Freq Lo (MHz)	Freq Hi (MHz)	SatArc (East)	SatArc (West)	Elev (East)	Elev (West)	Azim (East)	Azim (West)	Calc Elev (West)	Calc Elev (East)	Calc Azim (West)	Calc Azim (East)	Antenna ID
14	12500	12750	131W	133W	5	5			202.2	255.2			3
15	14050	14470	131W	133W	5	5			207.2	257.6			3

Crd 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	14050	14470	4M09G7D	41.90	11.80	T	4.09 MHz	Digital	8.30	6.76	-21.80	3
2	14050	14470	2M04G7D	41.90	14.80	T	2.04 MHz	Digital	8.30	6.76	-18.80	3
3	14050	14470	1M02G7D	41.90	17.80	T	1.02 MHz	Digital	8.30	6.76	-15.80	3
4	12200	12500	36M0G7D			R	36.0 MHz	Digital				3
5	11700	12200	36M0G7D			R	36.0 MHz	Digital				3
6	11450	11700	36M0G7D			R	36.0 MHz	Digital				3
7	11200	11450	36M0G7D			R	36.0 MHz	Digital				3
8	10950	11200	36M0G7D			R	36.0 MHz	Digital				3
9	10700	11700	36M0G7D			R	36.0 MHz	Digital				3
10	14050	14470	2M04G7D	43.80	16.70	T	2.04 MHz	Digital	10.20	10.47	-16.90	3
11	14050	14470	4M09G7D	43.80	13.70	T	4.09 MHz	Digital	10.20	10.47	-19.90	3
12	14050	14470	1M02G7D	42.40	18.30	T	1.02 MHz	Digital	8.80	7.53	-15.30	3
13	14050	14470	2M04G7D	43.40	16.30	T	2.40 MHz	Digital	9.80	9.55	-17.30	3
14	14050	14470	4M09G7D	43.40	13.30	T	4.09 MHz	Digital	9.80	9.55	-20.30	3
15	12500	12750	36M0G7D			R	36.0 MHz	Digital				3