

From: [Neirynek, Gary A](#)
To: [Jae Lim](#)
Cc: [Kerry Murray](#); [Sylvia Lam](#)
Subject: Re: [E] SES-AMD-20210729-01282; Call Sign: E210117
Date: Tuesday, September 14, 2021 11:22:02 AM
Attachments: [Image001.png](#)

Hi Jae,

Here are my answers.

1. Please clarify whether the 1.2m auto-deploy antennas will be mounted on top of the mobile trailers, at the side of the mobile trailers, or inside the of mobile trailers? what is the height of the mobile trailers? If the 1.2m auto-deploy antennas will be installed at the side of the mobile trailers, what is the height of 1.2m auto-deploy antennas above the ground? **This will be mounted on top of a mobile unit. The antenna will be 3 meters off the ground.**
2. Please confirm that the 1.2m auto-deploy antenna will NOT transmit and communicate with 03b NGSO satellites when the mobile trailer is traveling or moving. Please confirm that the 1.2m auto-deploy antenna will ONLY transmit and communicate with 03b NGSO satellites when the mobile trailer is completely stopped at fixed location for disaster recovery. **Confirmed. The antenna will not operate while the trailer is in motion.**
3. Please certify that there are warning signs or labels informing the general public public to stay outside the distance of safe PME levels that produced by the 1.2m auto-deploy antenna(s). **Since the antenna will operate above the general public, we should not need the warning signs. Access to the roof of the trailer is restricted to authorized personnel only.**

On Thu, Sep 9, 2021 at 7:19 AM Jae Lim <Jae.Lim@fcc.gov> wrote:

Hi Gary,

We need to verify the following information.

Please let us know.

Thanks.

1. Please clarify whether the 1.2m auto-deploy antennas will be mounted on top of the mobile trailers, at the side of the mobile trailers, or inside the of mobile trailers? what is the height of the mobile trailers? If the 1.2m auto-deploy antennas will be installed at the side of the mobile trailers, what is the height of 1.2m auto-deploy antennas above the ground?
2. Please confirm that the 1.2m auto-deploy antenna will NOT transmit and communicate with 03b NGSO satellites when the mobile trailer is traveling or moving. Please confirm that the 1.2m auto-deploy antenna will ONLY transmit and communicate with 03b NGSO satellites when the mobile trailer is completely stopped at fixed location for disaster recovery.
3. Please certify that there are warning signs or labels informing the general public public to stay outside the distance of safe PME levels that produced by the 1.2m auto-deploy antenna(s).

Jae Lim

FCC/IB

From: Neirynek, Gary A <gary.neirynek@verizon.com>
Sent: Wednesday, September 8, 2021 11:05 AM
To: Jae Lim <Jae.Lim@fcc.gov>
Cc: Kerry Murray <Kerry.Murray@fcc.gov>
Subject: Re: [E] SES-AMD-20210729-01282; Call Sign: E210117

Yes, I agree with this change. Thanks

Gary

On Tue, Sep 7, 2021 at 2:39 PM Jae Lim <Jae.Lim@fcc.gov> wrote:

Hi Gary,

Based on the information you provided, calculated 49.51 [dBi@29.5GHz](#) should be correct.

Please confirm this change for me.

Thanks.

Jae Lim

FCC/IB

From: Neirynek, Gary A <gary.neirynek@verizon.com>
Sent: Thursday, August 26, 2021 5:37 PM
To: Jae Lim <Jae.Lim@fcc.gov>
Subject: Re: [E] SES-AMD-20210729-01282; Call Sign: E210117

Hi Jae,

The only gain spec I have for this antenna is a midband gain of 48.8 dBi for the frequency range of 27.65-29.07 GHz.

Gary

On Thu, Aug 26, 2021 at 3:39 PM Jae Lim <Jae.Lim@fcc.gov> wrote:

Gary,

please also confirm for me antenna gain of 49.51 dBi @29.5 Ghz or provide antenna gain at this freq.

Thanks.

Jae Lim

FCC/IB

From: Neiryneck, Gary A <gary.neiryneck@verizon.com>
Sent: Thursday, August 26, 2021 3:39 PM
To: Jae Lim <Jae.Lim@fcc.gov>
Cc: Kerry Murray <Kerry.Murray@fcc.gov>; Towanda Bryant <Towanda.Bryant@fcc.gov>
Subject: Re: [E] SES-AMD-20210729-01282; Call Sign: E210117

Hi Jae,

Yes I can confirm that this frequency should change to 30Ghz.

Thanks

Gary

On Thu, Aug 26, 2021 at 2:06 PM Jae Lim <Jae.Lim@fcc.gov> wrote:

Hi Gary,

Thanks for your patience.

Please see below and confirm if it's ok to change 28.6GHz to 30 Ghz as you previously had in the LIC application.

We will have to coordinate with WTB and NTIA, and so please give us more time to process.

If we have questions, we will let you know.

Have a nice day.

Jae Lim

FCC/IB

File No. SES-AMD-20210729-01282 Call Sign: E210117 Filing State: Pending Status: AFP Status Date: Jul 29 2021 6:00
 Applicant: MCI Communications Services LLC File Date: Jul 29 2021 11:00 Last Action: Action Date:
 Class of Station: Other Type of Facility: Transmit/Receive Nature of Service: MSS - Mobile Satellite Service No. Sites: 1
 US Licensed Satellites Certifications: OK Routed To: Jae_Lim
 Non-US Licensed Satellites

Remote
 City: County: State: Lat: Lon: Grd (m amsl) NADNA
 Ant Row: Antenna ID Diameter (m) Max Input Power (W) Max Output Power (W) Gain (dBi@GHz) Gain (dBi@GHz) Gain (dBi@GHz)
 1 ME01 1.2 40 64.82 48.8 @ 28.36 45.3 @ 18.58 49.3 @ 28.85
 PICComms: 038-A (\$2935) @ NGS0

Crd 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	18800	19300	0	0	10	10	0	0					ME01
2	28600	29100	0	0	10	10	0	0					ME01
3	28350	28600	0	0	10	10	0	0					ME01
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	28600	29100	200MG7D	64.82	17.83	T	200 MHz	Digital	15.50	35.48	-31.49	ME01	
2	28600	29100	80MG7D	64.82	21.81	T	80.0 MHz	Digital	15.50	35.48	-27.51	ME01	
3	18800	19300	200MG7D			R	200 MHz	Digital				ME01	
4	18800	19300	80MG7D			R	80.0 MHz	Digital				ME01	
5	28350	28600	200MG7D	64.82	17.83	T	200 MHz	Digital	16.02	39.99	-30.97	ME01	
6	28350	28600	80MG7D	64.82	21.81	T	80.0 MHz	Digital	16.02	39.99	-26.99	ME01	
7	29500	28600	200MG7D	64.82	17.83	T	200 MHz	Digital	No Gain Found			ME01	
8	29500	28600	80MG7D	64.82	21.81	T	80.0 MHz	Digital	No Gain Found			ME01	
9	17800	18600	200MG7D	.00	0.00	R	200 MHz	Digital				ME01	
10	17800	18600	80MG7D			R	80.0 MHz	Digital				ME01	
11	19300	19400	200MG7D			R	200 MHz	Digital				ME01	
12	19300	19400	80MG7D			R	80.0 MHz	Digital				ME01	
13	19600	20200	200MG7D			R	200 MHz	Digital				ME01	
14	19600	20200	80MG7D			R	80.0 MHz	Digital				ME01	

From: Kerry Murray <Kerry.Murray@fcc.gov>
Sent: Wednesday, August 25, 2021 9:05 PM
To: IBFSINFO <IBFSINFO@fcc.gov>; Eleanor Lott <Eleanor.Lott@fcc.gov>; Towanda Bryant <Towanda.Bryant@fcc.gov>
Subject: RE: [EXTERNAL]: License Update Needed

Gary,

Thank you for this message. We are currently short-staffed, creating delays in processing. We are bringing in some detailees, which should give us more bandwidth. In the meantime, can you please check if the payment was made for the amendment application? On the STA that is no longer needed, please withdraw it in IBFS. I'll take a look at the other two applications.

Thanks

Kerry Murray
 Deputy Chief
 Satellite Division

From: Neiryneck, Gary A <gary.neiryneck@verizon.com>
Sent: Monday, August 23, 2021 2:25 PM
To: IBFSINFO <IBFSINFO@fcc.gov>
Subject: [EXTERNAL]: License Update Needed

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Hello FCC,

We currently have 4 licenses submitted and I wanted to see if I could get a status on these.

[SES-LIC-20210603-00893/](#) – This license was approved and now shows a status of Accepted for Filing Public Notice. It has been this way since May 21, 2021. When will this come off public notice and be fully approved.

[SES-AMD-20210729-01282/](#) (E210117) – This is a recent amendment to the above license and only shows System Entry. I have not seen any change in the last 4 weeks. How

do I get this moving?

[SES-STA-20210525-00841/](#) – This license was an STA we needed until the above license was approved. It has never moved past System Entry and now it has become unnecessary since the final license has been approved. This can be removed.

[SES-STA-20210205-00247/](#) – This license was an STA we submitted until we could get our final license approved. The status has not changed since February. We are now in need of this license and I need to get it processed.

I have noticed that the licenses I submit don't get processed until I reach out and ask about them. Is there something I need to be doing to get these processed? Or is there a way I can see if there is anything being done on them?

Thanks for any information you can give me.

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