

From: [Cindy \(Lynch\) Hall](#)
 To: [Jae Lim](#)
 Subject: RE: [EXTERNAL]: SES-LIC-20210707-01017 / SES-AMD-20210812-01399
 Date: Monday, September 13, 2021 5:02:51 PM
 Attachments: [fcc-wf01.png](#)
[fcc-wf02.png](#)
[fcc-wf03.png](#)
[fcc-wf04.png](#)
[fcc-wf05.png](#)
[fcc-wf06.png](#)

Jae,

We should have also added the following to the application:

(a) Antenna ID*	(b) Frequency Bands (MHz)	(c) T/R Mode **	(d) Antenna Polarization (H,V,L,R)	(e) Emission Designator	(f) Maximum ERP per Carrier (dBW)	(g) Maximum ERP Density per Carrier (dBW/4Hz)	(h) Description of Modulation and Services
1	3700.00 - 4200.00	R	H, V	45K07W to			Phase and Amplitude Modulated Voice, Video, and data services
1	3700.00 - 4200.00	R	H, V	108M07W			Phase and Amplitude Modulated Voice, Video, and data services
1	5925.00 - 6425.00	T	H, V	45K07W to	54.57	43.5	Phase and Amplitude Modulated Voice, Video, and data services
1	5925.00 - 6425.00	T	H, V	108M07W	72.22	27.91	Phase and Amplitude Modulated Voice, Video, and data services

They were included in the frequency coordination but erroneously omitted from the application.

Can this be amended to the application via this email?

Thank you for your help.

CINDY HALL

GCI | Mgr, Rate, Tariffs & Licenses
 2550 Denali Street, Suite 1000 | Anchorage, AK 99503
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From: Cindy (Lynch) Hall
 Sent: Monday, September 13, 2021 1:23 PM
 To: Jae Lim <Jae.Lim@fcc.gov>
 Subject: RE: [EXTERNAL]: SES-LIC-20210707-01017 / SES-AMD-20210812-01399

Jae,

Yes, please correct the emission designator 108M0G7W to be 108MG7W.

Thank you Jae!

CINDY HALL

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From: Jae Lim <Jae.Lim@fcc.gov>
 Sent: Friday, September 10, 2021 11:40 AM
 To: Cindy (Lynch) Hall <chall2@gci.com>
 Subject: RE: [EXTERNAL]: SES-LIC-20210707-01017 / SES-AMD-20210812-01399

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Thanks, Cindy.

I corrected site coordinates.

In your application the emission designator is 108M0G7W.

I can correct it to 108MG7W as you see in the coordination report screenshot below. When you confirm, I will make changes.

Jae Lim
 FCC/IB

From: Cindy (Lynch) Hall <chall2@gci.com>
 Sent: Friday, September 10, 2021 2:10 PM
 To: Jae Lim <Jae.Lim@fcc.gov>
 Subject: RE: [EXTERNAL]: SES-LIC-20210707-01017 / SES-AMD-20210812-01399

Jae,

I sent your email to the Engineer for confirmation on the emission designator. I will respond once I have their answer.

The coordinates submitted in the application, 66-54-25.5N, 156-52-52.6W, are corrected based on a 1A survey of the proposed ES location. The earth station has not been constructed yet as we are awaiting permission from the FCC via this license application. Note that the longitude seconds you list below do not match what was submitted on the application. You have 56.2, should be 52.6

Thank you Jae

CINDY HALL

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From: Jae Lim <Jae.Lim@fcc.gov>
 Sent: Friday, September 10, 2021 9:45 AM
 To: Cindy (Lynch) Hall <chall2@gci.com>
 Subject: RE: [EXTERNAL]: SES-LIC-20210707-01017 / SES-AMD-20210812-01399

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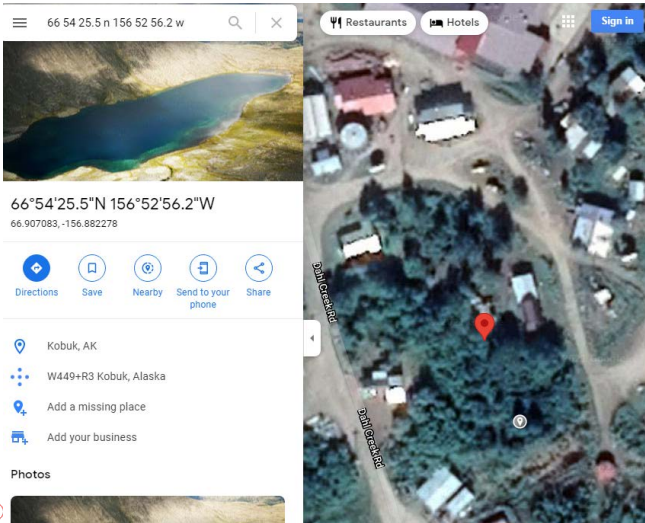
Hi Cindy,

I'm unable to see your antenna at site coordinates. Can you verify antenna location?

I will also correct the Emission Designator to 108MG7W. Please confirm this for me.

Thanks.

Jae Lim
 FCC/IB



File No.	SES-LIC-20210707-01017	Call Sign	EZ10126	Filing State	Alaska	Status	AFP	Status Date	Jul 7 2021 3				
Applicant	GCI Communication Corp.	File Date	Jul 1 2021 2	Last Action		Action Date							
Class of Station	Fixed Earth Stations	Type of Facility	Transmit/Receive	Nature of Service	FSS - Fixed Satellite Service								
US Licensed Satellites	<input checked="" type="checkbox"/>	Certifications	OK	Requires Freq. Coord. Exhibit for 1		Routed To	Jae_Lim						
City	Kobuk	County	Northwest Arctic	State	AK	Lat	66.907083	Lon	-156.882278				
Ant. ID	1	Diameter (ft)	3.8	Max Input Power (W)	400	Max Gain (dBi@GHz)	46.5 @ 6.135	Gain (dBi@GHz)	42.0 @ 3.912				
Ant. Row	1												
Cd	Freq Lo (MHz)	Freq Hi (MHz)	SatAcrc (Elev)	SatAcrc (Elev)	Elev (Elev)	Elev (Elev)	Azm (Elev)	Azm (Elev)	Calc Elev (Elev)	Calc Elev (Elev)	Calc Azm (Elev)	Calc Azm (Elev)	Antenna ID
1	3700	4200	109W	206W	5.4	5.2	125.8	231.5	5.3	6.2	125.8	231.5	1
2	5925	6425	109W	206W	5.4	6.2	125.8	231.5	5.3	6.2	125.8	231.5	1
Freq Row	Freq Lo (MHz)	Freq Hi (MHz)	Emission	ERP (dBW)	ERP Density (dBW/4kHz)	T/R	Bandwidth	Modulation	P1 (dBW)	P2 (W)	P D (dBW/4kHz)	Antenna ID	
1	3700	4200	45K0G7W	45.0	11.25	R	45.0 kHz	Digital				1	
2	3700	4200	108M07W	45.0	11.25	R	108 MHz	Unknown				1	
3	5925	6425	45K0G7W	54.57	13.39	T	45.0 kHz	Digital	8.07	6.41	-3.00	1	
4	5925	6425	108M07W	72.22	18.06	T	108 MHz	Unknown	25.72	373.25	-18.59	1	

Antenna Information	Receive	Transmit
Manufacturer	Q3 System	Q3 System
Model	3.8M	3.8M
Gain / Diameter	46.2 dBi / 3.8 m	46.2 dBi / 3.8 m
3-dB / 15-dB Beamwidth	1.40° / 3.00°	0.90° / 1.70°
		45K0G7W - 108M07W
		45K0G7W - 108M07W
Max Available RF Power (dBW/kHz)	-27	-18.29
		21.3
Maximum EIRP (dBW/kHz)	43.5	27.91
		54.67
		54.57
		72.22
Interference Objectives:	Long Term	-156.0 dBW/MHz
	Short Term	-146.0 dBW/MHz
		20%
		0.01%
		-154.0 dBW/4 kHz
		-131.0 dBW/4 kHz
		20%
		0.0025%
Frequency Information	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	45K0G7W - 108M07W / 3700.0 - 4200.0	45K0G7W - 108M07W / 5925.0 - 6425.0
	45K0D7W - 108M07W / 3700.0 - 4200.0	45K0D7W - 108M07W / 5925.0 - 6425.0
Max Great Circle Coordination Distance	559.1 km / 347.4 mi	323.2 km / 200.8 mi
Precipitation Scatter Contour Radius	612.3 km / 380.4 mi	101.4 km / 63.0 mi

From: Cindy (Lynch) Hall <hall2@gci.com>
 Sent: Thursday, September 9, 2021 5:50 PM
 To: Jae Lim <jae_lim@fcc.gov>
 Cc: Cindy (Lynch) Hall <hall2@gci.com>
 Subject: [EXTERNAL]: SES-LIC-20210707-01017 / SES-AMD-20210812-01399

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Jae,
 I believe that you are the person reviewing the application listed above. Do you have an idea of when this should be going out on Public Notice?

Thank you

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