Alaska Communications Internet LLC 60-Day STA

Technical Appendix

- I. Site-specific Coordination Reports
- II. 3.8m Radiation Hazard Report
- III.2.4m Radiation Hazard Report
- IV.7.0m Radiation Hazard Report
- V. Draft Form 312 Schedule B

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M2112346 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Trident False Pass, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

05/17/2021 Original PCN (Expedited response requested by 05/31/2021)

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

COMSEARCH INC

Respectfully Submitted,

Ivery & Lewis

Page 1

Jeremy Lewis Systems Engineer

File: M2112346

TECHNICAL CHARACTERIS			
Company:	Alaska Commun		ternet, LLC
Site Name, State:	Trident False	Pass, AK	
Call Sign: Latitude	(MV D83 /	54 51	54 O N
Longitude		163 24	
Elevation AMSL		5.00	
Receive Frequency Range	(MHz)		
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long	(deg W)	95.00	191.00
Range of Azimuths from North			
Antenna Centerline	(ft/m)		
Antenna Elevation Angles	(deg)	3.56	22.66
Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)		41.60
15 DB Half Beamwidth	(deg)	4.90	2.00
Antennas Receive: GENERA	L DYNAMICS 124	1 (2.4 M)	
Transmit: GENERA	L DYNAMICS 124	1 (2.4 M)	
Max Transmitter Power	(dbW/4KHz)		-15.44
Max Transmitter Power Max EIRP Main Beam			26.16
Modulation / Emission Designato	r DIGITAL	5M6G7W	
Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	545.43	199.66
Max Rain Scatter Distances	(km)	458.10	100.00
Max Interference Power Long Ter	rm (dbW)	-158.60	-154.80
Max Interference Power Short Te	erm (dbW)	-153.90	-126.80
Rain Zone / Radio Zone		3	A

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: N2112346 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Kotlik School, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

05/17/2021 Original PCN (Expedited response requested by 05/31/2021)
There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

COMSEARCH INC UNITED2, LLC WIRELESS APPLICATIONS CORP

Respectfully Submitted,

Jeremy S. Lewis

Page 1

Jeremy Lewis Systems Engineer

File: N2112346

TECHNICAL CHARACTERIS			EARTH STATION
			==========
Company: Site Name, State: Call Sign:	Alaska Commun Kotlik School		ternet, LLC
Latitude Longitude Elevation AMSL Receive Frequency Range Transmit Frequency Range	(NAD83) (ft/m) (MHz)	63 1 163 33 3.00 3700-4200 5925-6425	17.0 W 0.91
Transmit Frequency Range Range of Satellite Orbital Long Range of Azimuths from North Antenna Centerline Antenna Elevation Angles	(ft/m)	95.00 109.29 9.84	191.00 210.23 3.00
Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam 15 DB Half Beamwidth	(dbI) (deg)	37.60 4.90	41.60 2.00
Antennas Receive: GENERA Transmit: GENERA			
Max Transmitter Power Max EIRP Main Beam Modulation / Emission Designato	r DIGITAL		-16.41 25.19
Coordination Parameters		Receive	
Max Greater Circle Distances Max Rain Scatter Distances Max Interference Power Long Ter Max Interference Power Short Te Rain Zone / Radio Zone	(km) m (dbW)	715.77 712.58 -158.60 -153.90 3	100.00 -154.80

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M2111918 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Silver Bay False Pas, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

05/06/2021 Original PCN (Expedited response requested by 05/20/2021)

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

COMSEARCH INC

Respectfully Submitted,

Ivery & Lewis

Page 1

Jeremy Lewis Systems Engineer

File: M2111918

	:=======		
TECHNICAL CHARACTERISTI	CS OF TRANSI	MIT RECEIVE E.	ARTH STATION
			==========
	laska Commu	nications Int	ernet, LLC
	ilver Bay Fa	alse Pas, AK	
Call Sign:	/	E 4	4 5
Latitude		54 52	
Longitude Elevation AMSL		163 24 11.00	3.35 W
Receive Frequency Range	(MHz)	3700-4200	3.33
Transmit Frequency Range	(MH 7)	5925-6425	
Range of Satellite Orbital Long.	•		191.00
	(deg)	107.93	
Antenna Centerline	(ft/m)	9.84	3.00
Antenna Elevation Angles	(deg)	9.84 3.56	22.66
Equipment Parameters		Receive	 Transmit
		40.00	4.6.00
Antenna Gain, Main Beam			
15 DB Half Beamwidth	(aeg)	1.40	1.30
Antennas Receive: PRODELIN	3.8 METER		
Transmit: PRODELIN	3.8M		
	(11 == (4 ====)		4.5.00
Max Transmitter Power Max EIRP Main Beam	(dbW/4KHz)		-1/.08
Modulation / Emission Designator	(GDW/4KHZ)	2M80C7W 72M0	29.12 C7W
5M60G7W	DIGITAL	ZMOUG/W /ZMU	G / W
Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	545.46	193.45
Max Rain Scatter Distances			
Max Interference Power Long Term	· ·		
Max Interference Power Short Term			
Rain Zone / Radio Zone	•	3	A

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

Page 1

File Number: N2035303 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Anchorage, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

01/29/2021 Original PCN (Expedited response requested by 02/12/2021)

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

ACS OF ANCHORAGE LICENSE SUB, INC.

ACS OF ANCHORAGE LICENSE SUB, LLC

ALASCOM, INC.

ALASKA PIPELINE COMPANY

ALASKA PUBLIC TELECOMMUNICATIONS, INC

ALASKA RAILROAD CORPORATION

ANCHORAGE, MUNICIPALITY OF

AT&T MOBILITY SPECTRUM LLC

CELLCO PARTNERSHIP

CHUGACH ELECTRIC ASSOCIATION, INC.

COLORADO 7-SAGUACHE LIMITED PARTNERSHIP

COMSEARCH INC

ENSTAR NATURAL GAS CO., A DIVISION OF SEMCO ENERGY, INC.

GCI COMMUNICATION CORP

HOMER ELECTRIC ASSOCIATION

MATANUSKA-SUSITNA, BOROUGH OF

MICRONET COMMUNICATIONS INC

NORSTAR PIPELINE COMPANY, INC. AN ALASKA CORPORATION WHOLLY OWNE

RADIO DYNAMICS

STATE OF ALASKA

THE ALASKA WIRELESS NETWORK, LLC

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: N2035303 5.93 GHz Licensee: Alaska Communications Internet, LLC

Licensee: Alaska Communications Internet, LLC Page 2

Respectfully Submitted,

ereny S. Lewis

Jeremy Lewis Systems Engineer

File: N2035303

TECHNICAL CHARACTERISTI	CS OF TRANSM	IIT RECEIVE	EARTH STATION		
			============		
Company:	alaska Commun	nications In	ternet. IJ.C		
	inchorage, AF		cernet, and		
Call Sign:	170205				
	(NAD83)	61 8	28.4 N		
Longitude	(NAD83)	149 52	30.7 W		
Elevation AMSL	(ft/m)	134.51	41.00		
Receive Frequency Range	(MH7)	3700-4200			
Receive Frequency Range Transmit Frequency Range	(MHz)	5925-5959	.85/5989.85-6078.45/6108.45-		
6137.75/6167.75-6330.49/6360.49-6	5425				
Range of Satellite Orbital Long.					
Range of Azimuths from North	(deg)	140.45	142.53		
Antenna Centerline Antenna Elevation Angles	(ft/m)	34.12	10.40		
Antenna Elevation Angles	(deg)	14.62	15.25		
Equipment Denometons		Receive			
Equipment Parameters		Recerve	Transmit		
Antenna Gain, Main Beam	(dbT)	47.60	51.00		
15 DB Half Beamwidth		1.40			
10 bb hall boammach	(409)	1.10	• • • • • • • • • • • • • • • • • • • •		
Antennas Receive: RSI SATCOM 700CS (7M)					
Transmit: RSI SATCOM 700CS (7M)					
Max Transmitter Power Max EIRP Main Beam	(dbW/4KHz)		- 17.50		
			33.50		
Modulation / Emission Designator	DIGITAL	72M0G7W			
Coordination Parameters		Receive	Transmit		
		 -			
Max Greater Circle Distances	(km)	468.16	164 30		
Max Rain Scatter Distances	(km)	372.23	100.00		
Max Interference Power Long Term	(dbW)	-158.60	-154.80		
Max Interference Power Short Term					
Rain Zone / Radio Zone	. (555 ,	3	A		

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: P2034509 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Anchorage, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

02/10/2021 Original PCN (Expedited response requested by 02/24/2021)

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

ACS OF ANCHORAGE LICENSE SUB, INC.

ACS OF ANCHORAGE LICENSE SUB, LLC

ALASCOM, INC.

ALASKA PIPELINE COMPANY

ALASKA PUBLIC TELECOMMUNICATIONS, INC

ALASKA RAILROAD CORPORATION

ALASKA, STATE OF

ANCHORAGE, MUNICIPALITY OF

AT&T MOBILITY SPECTRUM LLC

CELLCO PARTNERSHIP

CHUGACH ELECTRIC ASSOCIATION, INC.

COLORADO 7-SAGUACHE LIMITED PARTNERSHIP

COMSEARCH INC

ENSTAR NATURAL GAS CO., A DIVISION OF SEMCO ENERGY, INC.

GCI COMMUNICATION CORP

HOMER ELECTRIC ASSOCIATION

MATANUSKA-SUSITNA, BOROUGH OF

MICRONET COMMUNICATIONS INC

NORSTAR PIPELINE COMPANY, INC. AN ALASKA CORPORATION WHOLLY OWNE

RADIO DYNAMICS

THE ALASKA WIRELESS NETWORK, LLC

Page 1

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: P2034509 5.93 GHz Licensee: Alaska Communications Internet, LLC

Respectfully Submitted,

ereny S. Lewis

Page 2

Jeremy Lewis Systems Engineer

File: P2034509

TECHNICAL CHARACTERISTI	CS OF TRANSM	MIT RECEIVE	EARTH STATION
	laska Commun		ternet, LLC
Site Name, State: A		(
	170205		
Latitude	(NAD83) (NAD83)	61 8	28.4 N
Longitude	(NAD83)	149 52	30.7 W
	(ft/m)		
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range 6330.49/6390.14-6425	(MHz)	5925-5959	.85/6108.45-6137.75/6167.7
Range of Satellite Orbital Long.	(dea W)	95.00	191.00
Range of Azimuths from North	(dea)	121.64	224.91
Antenna Centerline	(ft./m)	34.12	10.40
Antenna Centerline Antenna Elevation Angles	(dea)	7.52	12.86
Equipment Darameters			Transmit
Equipment Parameters			
Antenna Gain, Main Beam	/ db T \	37 60	42.00
15 DB Half Beamwidth			
13 DB Hall Bealiwidth	(deg)	1.50	1.00
Antennas Receive: PRODELIN	·		
Transmit: PRODELIN			
Max Transmitter Power Max ETRP Main Beam	(dbW/4KHz)		-18.89
Max EIRP Main Beam	(dbW/4KHz)		23.11
Modulation / Emission Designator	DIGITAL	12M4G7W 5M6	G07W
Coordination Parameters		Receive	Transmit
			
Max Greater Circle Distances	(km)	569.31	194.25
Max Rain Scatter Distances	(km)	398.51	100.00
Max Interference Power Long Term	(dbW)	-158.60	-154.80 -126.80
Max Interference Power Long Term Max Interference Power Short Term Rain Zone / Radio Zone	(dbW)	-153.90	-126.80
Rain Zone / Radio Zone		3	A

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: R2023911 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Anchorage, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

12/16/2020 Original PCN (Expedited response requested by 12/30/220)

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

ACS LONG DISTANCE LICENSE SUB, LLC

ACS OF ANCHORAGE LICENSE SUB, INC.

ACS OF ANCHORAGE LICENSE SUB, LLC

ALASCOM, INC.

ALASKA PIPELINE COMPANY

ALASKA PUBLIC TELECOMMUNICATIONS, INC

ALASKA RAILROAD CORPORATION

ALASKA, STATE OF

AT&T MOBILITY SPECTRUM LLC

CELLCO PARTNERSHIP

CHUGACH ELECTRIC ASSOCIATION, INC.

COLORADO 7-SAGUACHE LIMITED PARTNERSHIP

COMSEARCH INC

ENSTAR NATURAL GAS CO., A DIVISION OF SEMCO ENERGY, INC.

GCI COMMUNICATION CORP

HOMER ELECTRIC ASSOCIATION

MATANUSKA-SUSITNA, BOROUGH OF

MICRONET COMMUNICATIONS INC

NORSTAR PIPELINE COMPANY, INC. AN ALASKA CORPORATION WHOLLY OWNE

RADIO DYNAMICS

THE ALASKA WIRELESS NETWORK, LLC

Page 1

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: R2023911 5.93 GHz Licensee: Alaska Communications Internet, LLC

Respectfully Submitted,

ereny S. Lewis

Page 2

Jeremy Lewis Systems Engineer

File: R2023911

TECHNICAL CHARACTERISTI	CS OF TRANSM	MIT RECEIVE	EARTH STATION
	========	========	
Company: A	laska Commur	nications In	ternet, LLC
Site Name, State: A			
Call Sign: E	170205		
Latitude	(NAD83)	61 8 149 52	28.4 N
Longitude	(NAD83)	149 52	30.7 W
		134.51	
Receive Frequency Range			
Transmit Frequency Range	(MHz)	5925-5959	.85/6108.45-6137.75/616
6330.49/6390.14-6425 Range of Satellite Orbital Long.	(dea W)	95.00	191.00
Range of Azimuths from North	(dea)	121.64	224.91
Antenna Centerline Antenna Elevation Angles	(ft/m)	34.12	10.40
Antenna Elevation Angles	(deg)	7.52	12.86
2	, 3,		
Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam			
15 DB Half Beamwidth	(deg)	1.50	1.00
Antennas Receive: PRODELIN	1383 (3.8 %	л)	
Transmit: PRODELIN	•	•	
			4.5.00
Max Transmitter Power	(dbW/4KHz)		-17.80
Max EIRP Main Beam	(abw/4KHZ)		27.80
Modulation / Emission Designator 1M20G7W			OG/W
Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	569.31	198.38
Max Rain Scatter Distances	(km)	398.51	100.00
Max Interference Power Long Term	(dbW)	-158.60	-154.80
Max Interference Power Short Term	(dbW)	-158.60 -153.90	-126.80
Rain Zone / Radio Zone	,	3	A

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M2034509 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Alitek, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

01/27/2021 Original PCN (Expedited response requested by 02/10/2021)
There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

COMSEARCH INC
KODIAK MICROWAVE SYSTEM, LLC

Respectfully Submitted,

Jeremy S. Lewis

Page 1

Jeremy Lewis Systems Engineer

File: M2034509

TECHNICAL CHARACTERIS	STICS OF TRANS	MIT RECEIVE	EARTH STATION		
		========	===========		
Company:	Alaska Commu	nications In	ternet, LLC		
Site Name, State:	Alitek, AK				
Call Sign: Latitude	/NID DO 0 \	EC EO	E 2 7 M		
Longitude	(NAD83) (NAD83)	56 53 154 14	53.7 N 47 4 W		
Elevation AMSL	(ft/m)	50.00	15.24		
Receive Frequency Range		3700-4200			
Transmit Frequency Range	(MHz)	5925-5989	.5/6019.5-6048.8/6078.8-		
6271.19/6301.19-6330.49/6360.49 Range of Satellite Orbital Lond		05.00	101 00		
Range of Satellite Orbital Long					
Antenna Centerline	(ft/m)	34.12	10.40		
Antenna Elevation Angles	(deg)	7.61	17.68		
		Receive	Transmit		
Equipment Parameters					
Antenna Gain, Main Beam 15 DB Half Beamwidth		37.60 1.50			
15 DB Hall Beamwidth	(deg)	1.50	1.00		
Antennas Receive: PRODEI	LIN 1244 (2.4M)			
Transmit: PRODEI	LIN 1244 (2.4M)			
Max Transmitter Power	(dbw/4kuz)		- 18.50		
Max EIRP Main Beam	(dbW/4KHz)		23.50		
Modulation / Emission Designate					
1M20G7W12M4G7W					
Coordination Parameters		Receive	Transmit		
Max Greater Circle Distances					
Max Rain Scatter Distances Max Interference Power Long Ter		-140.60	-178.00		
Max Interference Power Short Te		-118.40	-154.80		
Rain Zone / Radio Zone	•	3	A		

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: N2034509 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Naknek, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

02/10/2021 Original PCN (Expedited response requested by 02/24/2021)

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

COMSEARCH INC
NUSHAGAK ELECTRIC & TELEPHONE COOP
RADIO DYNAMICS
UNITED UTILITIES, INC.
WIRELESS APPLICATIONS CORP

Respectfully Submitted,

Jeremy S. Lewis

Page 1

Jeremy Lewis Systems Engineer

File: N2034509

TECHNICA	AL CHARACTERISTIC	S OF TRANSMI	T RECEIVE EA	ARTH STATION
Company: Site Name, State: Call Sign:		aska Communi knek, AK	cations Inte	ernet, LLC
Latitude Longitude Elevation AMSL Receive Frequency Transmit Frequency	v Range	(NAD83) (ft/m) (MHz) (MHz)	16.00 3700-4200 5925-6425	0.9 W 4.88
Range of Satellite Range of Azimuths Antenna Centerline Antenna Elevation	e Orbital Long. from North	(deg) (ft/m)	132.51 34.12	134.52 10.40
Equipment Paramete	ers		Receive	Transmit
Antenna Gain, Main 15 DB Half Beamwid			37.60 1.50	41.60
	eceive: PRODELIN ansmit: PRODELIN			
Max Transmitter Po Max EIRP Main Bear Modulation / Emiss	n			
Coordination Param	meters		Receive	Transmit
Max Greater Circle Max Rain Scatter I Max Interference I Max Interference I Rain Zone / Radio	Distances Power Long Term Power Short Term	(km) (dbW)		-178.00

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: L2034509 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

St Paul, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

06/07/2021 No-impact change notification pursuant to Section 101.103(d)(2)(ix) - No response required.
01/27/2021 Original PCN (Expedited response requested by 02/10/2021) There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

Respectfully Submitted,

Jeremy S. Lewis

Page 1

Jeremy Lewis Systems Engineer

File: L2034509

TECHNICAL CHARACTERIST	ICS OF TRANSM	IT RECEIVE E	EARTH STATION	
		=======		
Company:	Alaska Commun	ications Int	ernet, LLC	
Site Name, State:	St Paul, AK		·	
Call Sign:				
Latitude		57 7		
Longitude	(NAD83)	170 16	45.0 W	
Elevation AMSL	(ft/m)	26.25 3700-4200	8.00	
Receive Frequency Range	(MHz)	3700-4200		
Transmit Frequency Range			101 00	
Range of Satellite Orbital Long.				
Range of Azimuths from North Antenna Centerline	(deg)	102.44	2.00	
Antenna Elevation Angles	(ft/m) (deg)	0.30 _0.75	2.00	
Antenna Elevacion Angles	(deg)	-0.75	22.50	
Equipment Parameters		Receive	Transmit	
Antenna Gain, Main Beam	(dbT)	41.60	45.60	
	(deg)			
	. 5.			
Antennas Receive: PRODELI	•)		
Transmit: PRODELI	N 1383 (3.8M)			
Mary Thronomitton Davier	/ albu / / IZII = \		0 00	
Max Transmitter Power Max EIRP Main Beam	(dbw/4KHZ)		-8.80 36.80	
Modulation / Emission Designator	DIGITAL	3M20G7W 2M80	30.00	
1M20G7W12M4G7W	DIGITAL	JHZUG/W ZHUC	7G 7 W	
Coordination Parameters		Receive	Transmit	
Max Greater Circle Distances	(km)	591.87	343 49	
Max Rain Scatter Distances				
Max Interference Power Long Term				
Max Interference Power Short Term	m (dbW)	-118.40	-154.80	
Rain Zone / Radio Zone	, ,	3	A	

812 Lexington Dr Plano, Texas 75075 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: A2034509 5.93 GHz Licensee: Alaska Communications Internet, LLC

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Excursion Inlet, AK

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

01/27/2021 Original PCN (Expedited response requested by 02/10/2021)

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

ALASCOM, INC.
ALASKA POWER & TELEPHONE
COMSEARCH INC
FIBER ALASKA

Respectfully Submitted,

Jeremy S. Lewis

Page 1

Jeremy Lewis Systems Engineer

File: A2034509

TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION				
			=======================================	
Company: A	laska Commun:	ications In	ternet. I.I.C	
	xcursion Inle		collice, and	
Call Sign:		,		
Latitude	(NAD83)	58 24	55.3 N	
Longitude	(NAD83)	135 26	36.4 W	
Elevation AMSL	(ft/m)	34.00	10.36	
Receive Frequency Range				
Transmit Frequency Range	(MHz)	5925-5930	.025/6019.5-6182.065/6242.065-	
6300.84/6419.79-6425				
Range of Satellite Orbital Long.				
Range of Azimuths from North	(deg)	134.98	239.71	
Antenna Centerline Antenna Elevation Angles	(ft/m)	34.12	10.40	
Antenna Elevation Angles	(deg)	15.11	8.65	
			The an amile	
Equipment Parameters		Recerve		
Antenna Gain, Main Beam	(dbT)	37.60	42.00	
15 DB Half Beamwidth	(dea)	1.50	1.00	
	(9 /			
Antennas Receive: PRODELIN	1244 (2.4M)			
Transmit: PRODELIN	1244 (2.4M)			
Max Transmitter Power Max EIRP Main Beam	(dbW/4KHz)		-18.50	
Modulation / Emission Designator	DIGITAL !	5M60G7W 12M	4G7W	
Coordination Parameters			Transmit	
Max Greater Circle Distances	(km)	369.72	172.38	
Max Rain Scatter Distances	(km)	292.74	100.00	
Max Interference Power Long Term		-140.60	- 178.00	
Max Interference Power Short Term	(dbW)	-118.40	-154.80	
Rain Zone / Radio Zone		3	A	

ANALYSIS OF NON-IONIZING RADIATION for Alaska Communications Internet LLC

The Office of Science and Technology Bulletin, No. 65, October 1985 and revised August 1997, specifies that the maximum level of non-ionizing radiation that a person may be exposed to over a six minute period is an average power density equal to 5~mW/cm**2(five milliwatts per centimeter squared) for a controlled environment. For an uncontrolled environment, the maximum level of non-ionizing radiation that a person may be exposed to over a thirty minute period is an average power density equal to 1 mW/cm**2 (one milliwatt per centimeter squared). It is the purpose of this report to determine the maximum power flux densities of the earth station in the far zone, near zone, transition zone, at the main reflector surface, and between the antenna edge and the ground.

Parameters which were used in the calculations: _____

Antenna Diameter,

(D) = 3.8000 m

Antenna Surface Area $(Sa) = pi(D^**2)/4 = 11.3411 m^**2$

Wavelength at 6.1750 GHz (lambda) = 0.0485 m

Transmit Power at Flange (P) = 40.0000 Watts

Antenna Gain at Earth Site (GES) = 46.2000 dBi = 41686.9383

Power Ratio:

AntiLog(GES/10)

= 3.1415927 рi

Antenna Aperture Efficiency (n) = 0.6000

1. FAR ZONE CALCULATIONS

2. NEAR ZONE CALCULATIONS

Power Flux Density is considered to be at a maximum value throughout the entire length of this Zone. The Zone is contained within a cylindrical volume which has the same diameter as the antenna. Beyond the Near Zone, the Power Flux Density will decrease with distance from the Antenna.

Distance to the Near Zone (Dn) =
$$D^{**2}$$
 = 74.4330 m = $4*1ambda$
Near Zone Power Density (Rn) = $16.0(n)P$ = 8.4648 W/m**2 = $pi(D^{**2})$

= 0.8465 mW/cm**2

3. TRANSITION ZONE CALCULATIONS

The Power Density begins to decrease with distance in the Transition Zone. While the Power Density decreases inversely with distance in the Transition Zone, the Power Density decreases inversely with the square of the distance in the Far Zone. Since the maximum Power Density in the Transition Zone will not exceed the Near Zone values, it is not calculated.

4. MAIN REFLECTOR ZONE

Main Reflector Power Density = 2(P) = 7.0540 W/m**2

Sa

= 0.7054 mW/cm**2

5. ZONE BETWEEN THE MAIN REFLECTOR AND THE GROUND

Applying uniform illumination of the Main Reflector Surface:

Main to Ground Power Density = P = 3.5270 W/m**2

----Sa

= 0.3527 mW/cm**2

CALCULATED SAFETY MARGINS SUMMARY AND EVALUATION

Controlled Safety Margin = 5.0 - Calculated Zone Value (mW/cm**2) ______

	Zones	Safety Margins (mW/cm**2)	Conclusions
1.	Far Zone	4.5842	Complies with ANSI
2.	Near Zone	4.1535	Complies with ANSI
3.	Transition Zone	Rf < Rt < Rn	Complies with ANSI
4.	Main Reflector Surface	4.2946	Complies with ANSI
5.	Main Reflector to Ground	4.6473	Complies with ANSI

Uncontrolled Safety Margin = 1.0 - Calculated Zone Value (mW/cm**2)

	Zones	Safety Margins (mW/cm**2)	Conclusions	
1.	Far Zone	0.5842	Complies with ANSI	•
2.	Near Zone	0.1535	Complies with ANSI	
3.	Transition Zone	Rf < Rt < Rn	Complies with ANSI	
4.	Main Reflector Surface	0.2946	Complies with ANSI	
5.	Main Reflector to Ground	0.6473	Complies with ANSI	

6. EVALUATION ==========

- A. Controlled Environment
- B. Uncontrolled Environment

All Zones comply with ANSI Standards.

ANALYSIS OF NON-IONIZING RADIATION for Alaska Communications Internet LLC

The Office of Science and Technology Bulletin, No. 65, October 1985 and revised August 1997, specifies that the maximum level of non-ionizing radiation that a person may be exposed to over a six minute period is an average power density equal to 5~mW/cm**2(five milliwatts per centimeter squared) for a controlled environment. For an uncontrolled environment, the maximum level of non-ionizing radiation that a person may be exposed to over a thirty minute period is an average power density equal to 1 mW/cm**2 (one milliwatt per centimeter squared). It is the purpose of this report to determine the maximum power flux densities of the earth station in the far zone, near zone, transition zone, at the main reflector surface, and between the antenna edge and the ground.

Parameters which were used in the calculations: _____

Antenna Diameter,

(D) = 2.4000 m

Antenna Surface Area $(Sa) = pi(D^{**2})/4 = 4.5239 \text{ m}^{**2}$

Wavelength at 6.1750 GHz (lambda) = 0.0485 m

Transmit Power at Flange (P) = 40.0000 Watts

Antenna Gain at Earth Site (GES) = 41.6000 dBi = 14454.3977

Power Ratio:

AntiLog(GES/10)

= 3.1415927 рi

Antenna Aperture Efficiency (n) = 0.6000

1. FAR ZONE CALCULATIONS

2. NEAR ZONE CALCULATIONS

Power Flux Density is considered to be at a maximum value throughout the entire length of this Zone. The Zone is contained within a cylindrical volume which has the same diameter as the antenna. Beyond the Near Zone, the Power Flux Density will decrease with distance from the Antenna.

Distance to the Near Zone (Dn) =
$$D^{*}2$$
 = 29.6907 m = 4^* lambda

Near Zone Power Density (Rn) = $16.0(n)P$ = 21.2207 W/m**2 = 2.1221 mW/cm **2

3. TRANSITION ZONE CALCULATIONS

The Power Density begins to decrease with distance in the Transition Zone. While the Power Density decreases inversely with distance in the Transition Zone, the Power Density decreases inversely with the square of the distance in the Far Zone. Since the maximum Power Density in the Transition Zone will not exceed the Near Zone values, it is not calculated.

4. MAIN REFLECTOR ZONE

Main Reflector Power Density = 2(P) = 17.6839 W/m**2

Sa

= 1.7684 mW/cm**2

5. ZONE BETWEEN THE MAIN REFLECTOR AND THE GROUND

Applying uniform illumination of the Main Reflector Surface:

Main to Ground Power Density = P = 8.8419 W/m**2

----Sa

= 0.8842 mW/cm**2

CALCULATED SAFETY MARGINS SUMMARY AND EVALUATION

Controlled Safety Margin = 5.0 - Calculated Zone Value (mW/cm**2)

Controlled Safety Margin = 5.0 - Calculated Zone Value (mw/cm**2)

	Zones	Safety Margins (mW/cm**2)	Conclusions
1.	Far Zone	4.0939	Complies with ANSI
2.	Near Zone	2.8779	Complies with ANSI
3.	Transition Zone	Rf < Rt < Rn	Complies with ANSI
4.	Main Reflector Surface	3.2316	Complies with ANSI
5.	Main Reflector to Ground	4.1158	Complies with ANSI

Uncontrolled Safety Margin = 1.0 - Calculated Zone Value (mW/cm**2)

Zones

Safety
Margins
(mW/cm**2)

1. Far Zone

0.0939

Complies with ANSI

2. Near Zone

-1.1221

POTENTIALLY HAZARDOUS

3. Transition Zone

Rf < Rt < Rn

Complies with ANSI

4. Main Reflector Surface

-0.7684

POTENTIALLY HAZARDOUS

5. Main Reflector to Ground

0.1158

Complies with ANSI

6. EVALUATION

- A. Controlled Environment
- B. Uncontrolled Environment

The NEAR ZONE does not comply with the ANSI standards! The system will be FENCED so that no one can enter the affected Zone while the system is in use. Additionally, the system will be shut down for servicing.

The MAIN Reflector Surface ZONE does not comply with the ANSI standards! The system will be FENCED so that no one can enter the affected Zone while the system is in use. Additionally, the system will be shut down for servicing.

IV. 7.0m Rad Hazard Report

ANALYSIS OF NON-IONIZING RADIATION for Alaska Communications Internet LLC Site: Anchorage State: AK
Latitude: 61 8 28.4 Longitude: 149 52 30.7 (NAD83) 05-12-2021

The Office of Science and Technology Bulletin, No. 65, October 1985 and revised August 1997, specifies that the maximum level of non-ionizing radiation that a person may be exposed to over a six minute period is an average power density equal to 5 mW/cm**2 (five milliwatts per centimeter squared) for a controlled environment. For an uncontrolled environment, the maximum level of non-ionizing radiation that a person may be exposed to over a thirty minute period is an average power density equal to 1 mW/cm**2 (one milliwatt per centimeter squared). It is the purpose of this report to determine the maximum power flux densities of the earth station in the far zone, near zone, transition zone, at the main reflector surface, and between the antenna edge and the ground.

Parameters which were used in the calculations:

Antenna Diameter, (D) = 7.0000 m

Antenna Surface Area $(Sa) = pi(D^**2)/4 = 38.4845 m^**2$

Wavelength at 6.1750 GHz (lambda) = 0.0485 m

Transmit Power at Flange (P) = 320.0000 Watts

Antenna Gain at Earth Site (GES) = 51.0000 dBi = 125892.5412

Power Ratio:

AntiLog(GES/10)

pi = 3.1415927

Antenna Aperture Efficiency (n) = 0.6000

1. FAR ZONE CALCULATIONS

2. NEAR ZONE CALCULATIONS

Power Flux Density is considered to be at a maximum value throughout the entire length of this Zone. The Zone is contained within a cylindrical volume which has the same diameter as the antenna. Beyond the Near Zone, the Power Flux Density will decrease with distance from the Antenna.

Distance to the Near Zone (Dn) =
$$D^{**2}$$
 = 252.5773 m = $4*1ambda$ Near Zone Power Density (Rn) = $16.0(n)P$ = $19.9561 W/m^**2$ pi(D**2)

= 1.9956 mW/cm**2

3. TRANSITION ZONE CALCULATIONS

The Power Density begins to decrease with distance in the Transition Zone. While the Power Density decreases inversely with distance in the Transition Zone, the Power Density decreases inversely with the square of the distance in the Far Zone. Since the maximum Power Density in the Transition Zone will not exceed the Near Zone values, it is not calculated.

4. MAIN REFLECTOR ZONE

Main Reflector Power Density = 2(P) = 16.6301 W/m**2

Sa

= 1.6630 mW/cm**2

5. ZONE BETWEEN THE MAIN REFLECTOR AND THE GROUND

Applying uniform illumination of the Main Reflector Surface:

Main to Ground Power Density = P = 8.3150 W/m**2

Sa

= 0.8315 mW/cm**2

CALCULATED SAFETY MARGINS SUMMARY AND EVALUATION

Controlled Safety Margin = 5.0 - Calculated Zone Value (mW/cm**2)

Controlled Safety Margin = 5.0 - Calculated Zone Value (mW/cm**2)

	Zones	Safety Margins (mW/cm**2)	Conclusions
1.	Far Zone	4.1276	Complies with ANSI
2.	Near Zone	3.0044	Complies with ANSI
3.	Transition Zone	Rf < Rt < Rn	Complies with ANSI
4.	Main Reflector Surface	3.3370	Complies with ANSI
5.	Main Reflector to Ground	4.1685	Complies with ANSI

Uncontrolled Safety Margin = 1.0 - Calculated Zone Value (mW/cm**2)

Zones

Safety
Margins
(mW/cm**2)

1. Far Zone

0.1276 Complies with ANSI

2. Near Zone

-0.9956 POTENTIALLY HAZARDOUS

3. Transition Zone

Rf < Rt < Rn Complies with ANSI

-0.6630 POTENTIALLY HAZARDOUS

0.1685 Complies with ANSI

6. EVALUATION

- A. Controlled Environment
- B. Uncontrolled Environment

4. Main Reflector Surface

5. Main Reflector to Ground

The NEAR ZONE does not comply with the ANSI standards! WARNING SIGNS will be posted for the affected Zone indicating danger while the system is in use. Additionally, the system will be shut down for servicing.

The MAIN Reflector Surface ZONE does not comply with the ANSI standards! WARNING SIGNS will be posted for the affected Zone indicating danger while the system is in use. Additionally, the system will be shut down for servicing.

V. Draft FCC Form 312 Schedule B

APPLICATION FOR EARTH STATION AUTHORIZATIONS

FCC 312 MAIN FORM FOR OFFICIAL USE ONLY

FCC Use Only

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

Draft Forn	n to Support 60-Day STA	.!									
1-8. Legal N	1-8. Legal Name of Applicant										
Name:	Alaska Communications Internet	, LLC	Phone	Number:	907-297-3000						
DBA Name:			Fax Nu	ımber:	907-297-3153						
Street:	600 Telephone Avenue		E-Mail	:	Lisa.Phillips@acsalaska.com						
	MS #60										
City:	Anchorage		State:		AK						
Country:	USA		Zipcod	e:	90503 -						
Attention:	Ms. Lisa Phillips										
9-16. Name	of Contact Representative										
Name:	Richard Cameron	Phone Number:		202-230-4	962						
Company:	LMI Advisors	Fax Number:									
Street:	2550 M Street NW	E-Mail:		rcameron(@lmiadvisors.com						
	Suite 343										
City:	Washington	State:		DC							
Country:	USA	Zipcode:		20037-							
Attention:	Richard Cameron	Relationship:		Other							
100	(CLASSIFICATIO	N OF I	FILING							

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b. a. a1. Earth Station (N/A) a2. Space Station	b. b1. Application for License of New Station b2. Application for Registration of New Domestic Receive-Only Station (N/A) b3. Amendment to a Pending Application (N/A) b4. Modification of License or Registration (N/A) b5. Assignment of License or Registration (N/A) b6. Transfer of Control of License or Registration (N/A) b7. Notification of Minor Modification (N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite (N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States b10. Other (Please specify)					
	b11. Application for Earth Station to Access a Non-U.S.satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States.					
17c. Is a fee submitted with this application	?					
If Yes, complete and attach FCC Form	159.					
If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114). Governmental Entity Noncommercial educational licensee Other(please explain): Draft Form						
17d.						

Fee Classification	g.rec.gev/ib/sweb/ib.page.reterii	отт. на_арр_пат	ooo toalomi i o to_to manamodo dioplay					
	19. If this filing is an amen	durant to a manding	andication autom					
18. If this filing is in reference to an existing station, enter:	(a) Date pending application		(b) File number of pending application:					
(a) Call sign of station:	(a) Date pending application	m was med.	(b) The number of pending application.					
Not Applicable	Not Applicable Not Applicable							
1	TYPE OF	SERVICE						
20. NATURE OF SERVICE: This filing is	s for an authorization to provid	le or use the following	ng type(s) of service(s): Select all that apply:					
a. Fixed Satellite b. Mobile Satellite c. Radiodetermination Satellite								
d. Earth Exploration Satellite								
e. Direct to Home Fixed Satellite								
f. Digital Audio Radio Service								
g. Other (please specify)								
21. STATUS: Choose the button next to the	ne applicable status. Choose	22. If earth station	applicant, check all that apply.					
only one.		Using U.S. lice	ensed satellites					
Common Carrier Non-Common	Carrier	Using Non-U.	S. licensed satellites					
23. If applicant is providing INTERNATION these facilities:	ONAL COMMON CARRIER	service, see instructi	ons regarding Sec. 214 filings. Choose one. Are					
Connected to a Public Switched Netv	work Not connected to a P	ublic Switched Netv	vork N/A					
24. FREQUENCY BAND(S): Place an ">	(" in the box(es) next to all app	plicable frequency ba	and(s).					
a. C-Band (4/6 GHz) 🔲 b. Ku-Band	l (12/14 GHz)							
C.Other (Please specify upper and lov	ver frequencies in MHz.)							
Frequency Lower: Frequency Upper:								
		STATION						
25. CLASS OF STATION: Choose the bu	tton next to the class of station	that applies. Choose	e only one.					
a. Fixed Earth Station								
b. Temporary-Fixed Earth Station								
c. 12/14 GHz VSAT Network								
d. Mobile Earth Station (N/A) e. Geostationary Space Station								
(N/A) f. Non-Geostationary Space Station g. Other (please specify)	11							
<u> </u>								
26. TYPE OF EARTH STATION FACILI								
Transmit/Receive Transmit-Only	<u> </u>		-					
	PURPOSE OF N	MODIFICATION						
27. The purpose of this proposed modific Not Applicable	ation is to: (Place an 'X' in the	box(es) next to all the	nat apply.)					
<u> </u>	ENVIRONME	NTAL POLICY						
28 Would a Commission and of an			aifiaant anviranmental					
28. Would a Commission grant of any pro- impact as defined by 47 CFR 1.1307? If the Commission's rules, 47 C.F.R. §§ 1.13 Study must accompany all applications for	YES, submit the statement as r 308 and 1.1311, as an exhibit t	required by Sections o this application. A	1.1308 and 1.1311 of Yes No Radiation Hazard					
		~ .	roadcast, common carrier, aeronautical en red to respond to Items 30-34.					
29. Is the applicant a foreign government	or the representative of any fo	oreign government?	○ Yes ◎ No					
30. Is the applicant an alien or the represe	entative of an alien?		○ Yes ○ No ◎ N/A					
31. Is the applicant a corporation organize	ed under the laws of any foreig	gn government?	○ Yes ○ No ◎ N/A					

32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	○ Yes ○ No ○ N/A
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	○ Yes ○ No ◎ N/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.	
BASIC QUALIFICATIONS	
35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	○ Yes ◎ No
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances.	○ Yes ○ No
37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explination of circumstances.	○ Yes ◎ No
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances	○ Yes ○ No
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhinit, an explanation of the circumstances.	○ Yes ◎ No
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.	
41. By checking Yes, the undersigned certifies, that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	● Yes ○ No
42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.	◎ Yes ○ No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued coordinated or is in the process of coordinating the space station? Mexico	l, what administration has
43. Description. (Summarize the nature of the application and the services to be provided). Draft Form	
43a. Geographic Service Rule Certification By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.	(a) A
By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.	Ов
By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.	○ c

CERTIFICATION

United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

Individual

Unincorporated Association

Partnership

Corporation

Governmental Entity

Other (please specify)

LLC

45. Name of Person Signing

Rick Benken

46. Title of Person Signing VP

47. Please supply any need attachments.

Attachment 1:

Attachment 2:

Attachment 3:

			10771		17 +4	
DEMOTE CO.	NTDOL BOINT	L OCATION.				

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E65.	Phone Number					
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.								
E62. Street Address								
E63. City	E67. County			E66. Zip Code				

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

Location of Earth Station Sit	te			
E1: Site Identifier:	Anchorage 7.0 Hub	E5. Call Sign:		
E2: Contact Name	4			
E3. Street:		E7. City:		
		E8. County:		
E4. State		E9. Zip Code		
E10. Area of Operation:		Anchorage, AK		
E11. Latitude:	61 ° 8 ' 28.4 " N			
E12. Longitude:	149 ° 52 ' 30.7 " W			
E13. Lat/Lon Coordinates as	re:	NAD-27	NAD-83	○ N/A
E14. Site Elevation (AMSL)):	41.0 meters		
proposed antenna(s) comply by the manufacturer's qualifitwo-degree spacing policy. E16. If the proposed antenna Satellite Service (FSS) with	(s) operate in the Fixed Satellite Serv with the antenna gain patterns specification measurement? If NO, provide (s) do not operate in the Fixed Satellinon-geostationary satellites, do(es) the ction 25.209(a2) and (b) as demonstration	ied in Section 25.209(a) and asa technical analysis showing the Service (FSS), or if they one proposed antenna(s) complete.	(b) as demonstrated ng compliance with perate in the Fixed ly with the antenna	Yes No N/A Yes No N/A
E17. Is the facility operated point.	mber of the control	Yes No		
E18. Is frequency coord	ation report as	Yes No		
E19. Is coordination wi country(ies) and plot of	of the	O Yes No		
E20. FAA Notification notification is required		Yes No		
,	b.page.FetchForm?id_app_num=1380	-		6/

the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.

								\mathbf{T}		

Satellite Name: EUTELSAT115WB(S2938) EUTELSAT 115 WB 114.9 W.L. If you selected OTHER, please enterthe following:							
E21. Common Name:	E22. ITU Name:						
E23. Orbit Location:	E24. Country:						

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	
E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufact		E31 Mod	- 11	E32. Antenna Size	E41/42. Antenna GainTransmint and/or Recieve(dBi atGHz)		
Anchorage 7.0 Hub	ANC7HUB	1	RSI SATC	ОМ	700 CS		7.0	37.6 dBi at 3.740		
								41.6 dBi at 5.96	50	
E28. Antenna Id	E33/34. D Minor/Majo		E35. Above Ground Level (meters)	E3 Abo So Lev (met	ove ea vel	He Gr	7. Building eight Above round Level (meters)	Antenna Height EIRP 1 at antenna flange Above Rooftop al carri		EIRP for
ANC7HUB	0.0/0.0		30.0	41.0		0.0		320.0	0.0	81.1

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)				
ANC7HUB	3700 4200	R	Horizontal and Vertical	72M0G7W	0.0	0.0				
E50. Modula	ation and Service	es Digita	1							
ANC7HUB	5925 5959.85	T	Horizontal and Vertical	72M0G7W	81.1	33.5				
E50. Modula	ation and Service	es Digita	1							
ANC7HUB	6360.49 6425	T	Horizontal and Vertical	72M0G7W	81.1	33.5				
E50. Modula	ation and Service	es Digita	1							
	5989.85 6078.45	Т	Horizontal and Vertical	72M0G7W	81.1	33.5				
E50. Modula	ation and Service	es Digita	1							
	6108.45 6137.75	Т	Horizontal and Vertical	72M0G7W	81.1	33.5				
E50. Modula	E50. Modulation and Services Digital									
ANC7HUB	6167.75 6330.49	Т	Horizontal and Vertical	72M0G7W	81.1	33.5				
E50. Modula	ation and Service	es Digita	1							

FREQUENCY COORDINATION

	E28.	E51. Satellite	E52/53.	E54/55.	E56.	E57.	E58.	E59.	E60. Maximum
Aı	ntenna	Orbit Type	Frequency	Range	Earth	Antenna	Earth	Antenna	EIRP Density
	Id		Limits(MHz)	of	Station	Elevation	Station	Elevation	toward the
				Satellite	Azimuth	Angle	Azimuth	Angle	Horizon(dBW/4kHz)
				Arc	Angle	Eastern	Angle	Western	
						Limit		Limit	

			E/W Limit	Eastern Limit		Western Limit		
ANC7HUB	Geostationary	3700 4200	114.0/ 116.0	140.45	14.62	142.53	15.25	0.0
	Geostationary	5925 5959.85	114.0/ 116.0	140.45	14.62	142.53	15.25	-63.55
	Geostationary	6360.49 6425	114.0/ 116.0	140.45	14.62	142.53	15.25	-63.55
	Geostationary	5989.85 6078.45	114.0/ 116.0	140.45	14.62	142.53	15.25	-63.55
	l(÷eostationary		114.0/ 116.0	140.45	14.62	142.53	15.25	-63.55
	l(÷eoctationary		114.0/ 116.0	140.45	14.62	142.53	15.25	-63.55

REMOTE CONTROL POINT LOCATION

REMOTE CONTROL POINT LOCATION				
E61. Call Sign	E65. Phone Number			
NOTE: Please enter the callsign of the controlling station, not the being filed.	ne callsign for which this application is			
E62. Street Address				
7. C. C.	D. C. C.	D 5 1/50	lnss at	
E63. City	E67. County	E64/68. State/Country /	E66. Zip Code	
SATELLITE EARTH FCC Form 312 - Schedule B	STATION AUTHORIZA (Technical and Operation)			

FOR OFFICIAL USE ONLY									
Location of Earth Station Site	2								
E1: Site Identifier:	Silver Bay FP	E5. Call Sign:							
E2: Contact Name	Greg Tooke	E6. Phone Number:	(907) 550-8364						
E3. Street:		E7. City:							
		E8. County:							
E4. State		E9. Zip Code							
E10. Area of Operation:		False Pass, AK							
E11. Latitude:	54 ° 52 ' 4.5 " N								
E12. Longitude:	163 ° 24 ' 35.1 " W								
E13. Lat/Lon Coordinates are	2 :	○ NAD-27	NAD-83	○ N/A					
E14. Site Elevation (AMSL):		3.35 meters							
proposed antenna(s) comply v	with the antenna gain patter	ellite Service (FSS) with geostat rns specified in Section 25.209(a , provide asa technical analysis	a) and (b) as demonstrated	Yes No No N/A					
Satellite Service (FSS) with n	on-geostationary satellites,	ted Satellite Service (FSS), or if do(es) the proposed antenna(s) demonstrated by the manufactur	comply with the antenna	Yes No No N/A					

/8/2021 http:	s://licensing.fcc.gov/ibfsweb/ib.page.FetchForm?id_app_num=138045&form=P013_101.n	tm&mode=dis	spiay
E17. Is the facility operated by point.	remote control? If YES, provide the location and telephone number of the control	O Yes	No
E18. Is frequency coordin	nation required? If YES, attach a frequency coordination report as	Yes	O No
E19. Is coordination with country(ies) and plot of co	another country required? If YES, attach the name of the coordination contours as	O Yes	No
notification is required, the FAA's study regardi	(See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA have you attached a copy of a completed FCC Form 854 and or ng the potential hazard of the structure to aviation? Y WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE PLICATION.	O Yes	No
POINTS OF COMMUNICAT	ION		
C . III. NI DIFFER	APPA 4 STATE (COOCO) EXTENDED CAPE 44 STATE 44 4 0 STATE TC 1 1 1	OTTITE	

Satellite Name: EUTELSAT115WB(S2938) EUTELSAT 115 WB 114.9 W.L. If you selected OTHER, please enter							
the following:							
E21. Common Name:	E22. ITU Name:						
E23. Orbit Location:	E24. Country:						

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	
E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufactur	er Mod		E32. Antenna Size	E41/42. Antenna GainTransmint and/or Recieve(dBi atGHz)		
	SLVRBY FP	1	General Dynamics	Prodel 3.8 Me		3.8	42.0 dBi at 3.74	10	
							46.2 dBi at 5.96	550	
E28. Antenna Id	II .	. Diameter ajor(mete	(_round	E36. Above Sea Level (meters)	Hei Gro	7. Building ight Above bund Level (meters)	E38. Total Input Power at antenna flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers (dBW)
SLVRBY FP	0.0/0.0		3.0	6.0	0.0		10.0	0.0	49.4

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)			
SLVRBY FP	3700 4200	R	Vertical	72M0G7W	0.0	0.0			
E50. Mod	ulation and Servi	ces Digi	tal	a u					
SLVRBY FP									
E50. Mod	E50. Modulation and Services Digital								
			tai						

FREQUENCY COORDINATION

E28. Antenna Id	I I whit I was	E52/53. Frequency Limits(MHz)	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)

SLVRBY FP	Geostationary	3700 4200	95.0/ 191.0	107.92	3.56	212.58	22.6	0.0
	Geostationary	5925 6425	95.0/ 191.0	107.92	3.56	212.58	22.6	-62.91

REMOTE CONTROL POIN REMOTE CONTROL POIN		" "	"	''					
E61. Call Sign			E65. Phone	Number					
NOTE: Please enter the callsig being filed.	n of the controlling station, r	not the callsign for which this application is	3						
E62. Street Address									
E63. City		E67. County	E64/6 State	58. /Country	E66. Zip Code				
SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY									
L									
Location of Earth Station Site E1: Site Identifier:	Kotlik School	E5. Call Sign:							
E2: Contact Name	Greg Tooke		550-8364						
E3. Street:	Greg Tooke	E7. City:	, , , , , , , , , , , , , , , , , , , ,						
		E8. County:							
E4. State	AK	E9. Zip Code							
E10. Area of Operation:		Kotlik, AK							
E11. Latitude:	63 ° 1 ' 53.0 " N								
E12. Longitude:	163 ° 33 ' 17.0 " W								
E13. Lat/Lon Coordinates are:	:	ONAD-27	AD-83		○N/A				
E14. Site Elevation (AMSL):		0.91 meters							
proposed antenna(s) comply w by the manufacturer's qualifica two-degree spacing policy.	ith the antenna gain patterns tition measurement? If NO, pr	te Service (FSS) with geostationary satellit specified in Section 25.209(a) and (b) as drovide as a technical analysis showing comp	emonstrated bliance with	Yes	No N/A				
Satellite Service (FSS) with no	on-geostationary satellites, do	Satellite Service (FSS), or if they operate in (es) the proposed antenna(s) comply with the manufacturer's qualification.	the antenna	Yes	No N/A				
E17. Is the facility operated by point.	remote control? If YES, pro	vide the location and telephone number of	the control	O Yes	O No				
E18. Is frequency coordi	nation required? If YES	s, attach a frequency coordination r	eport as	Yes	O No				
E19. Is coordination with country(ies) and plot of c	• •	red? If YES, attach the name of the		O Yes	O No				
notification is required, the FAA's study regard	, have you attached a c ing the potential hazar Y WITH 47 CFR PAF	and 47 CFR part 25.113(c)) Whe copy of a completed FCC Form 8 rd of the structure to aviation? RTS 17 AND 25 WILL RESULT	54 and or	O Yes	No				

POINTS OF COMMUNICATION

Satellite Name:EUTELSAT115WB(S2938) EUTELSAT 115 WB the following:	B 114.9 W.L. If you selected OTHER, please enter				
E21. Common Name:	E22. ITU Name:				
E23. Orbit Location:	E24. Country:				

POINTS OF COMMUNICATION (Destination Points)

7.0

8.0

E25. Site Identifier:	
E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufactur	er Moo	Antonna	E41/42. Antenna GainTransmint and/or Recieve(dBi atGHz)			
Kotlik School	KOTLIK		General Dynamics	1241	2.4	37.6 dBi at 3.740			
						41.6 dBi at 5.965	0		
E28. Antenna Id	E33/34. Diameter Minor/Major(meters		Level	Above Above Ground Sea		E38. Total Input Power at antenna flange (Watts)	Antenna Height	E40. Total EIRP for al carriers (dBW)	

FREQUENCY

KOTLIK 0.0/0.0

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)				
KOTLIK	5925 6425	Т	Vertical	5M6G7W	57.7	25.19				
E50. Mod	E50. Modulation and Services Digital									
KOTLIK	3700 4200	R	Vertical	72M0G7W	0.0	0.0				
E50. Mod	ulation and Servi	ices Digi	tal							

|0.0|

40.0

|0.0|

57.7

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)	
KOTLIK	Geostationary	3700 4200	95.0/ 191.0	109.29	0.86	210.23	15.36	0.0	
	Geostationary	5925 6425	95.0/ 191.0	109.29	0.86	210.23	15.36	-56.29	

REMOTE CONTROL POINT LOCATION REMOTE CONTROL POINT LOCATION

E61. Call Sign	E65. Phone Number			
NOTE: Please enter the callsign of the controlling station, not t being filed.	he callsign for which this application is			
E62. Street Address				
E63. City	E67. County	E64/68. State/Country	E66. Zip Code	

Location of Earth Station Site

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

E1: Site Ident	ifier:	Trident F	alse Pass	E5. C	Call Sign:					
E2: Contact N	lame	Greg Too	ke	E6. P	hone Num	ber: (907) 550-836	54			
E3. Street:				E7. C	City:					
				E8. C	County:					
E4. State		AK		E9. Z	ip Code					
E10. Area of	Operation:			Fals	e Pass, A	ιK				
E11. Latitude:	:	54 ° 51 ' :	54.0 " N							
E12. Longitud	le:	163 ° 24	41.0 " W							
E13. Lat/Lon	Coordinates ar	re:		\bigcirc N	NAD-27	NAD-83	○ N/A			
E14. Site Elev	vation (AMSL)):		1.52	meters					
proposed anter	nna(s) comply cturer's qualifi	with the ante	nna gain patterns sp	ecified in	Section 25.	eostationary satellites, do(es) the .209(a) and (b) as demonstrated .lysis showing compliance with	Yes No N/A			
E16. If the pro Satellite Service gain patterns s measurements	Yes No No N/A									
E17. Is the fac point.	E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.									
E18. Is frequency coordination required? If YES, attach a frequency coordination report as Yes No										
1			country required on contours as	d? If YES	S, attach	the name of the	○ Yes ◎ No			
notification the FAA's s FAILURE RETURN (is required Study regar TO COMP OF THIS A	d, have you ding the pLY WITH	u attached a co otential hazard [47 CFR PART	py of a close of the s	omplete tructure	25.113(c)) Where FAA d FCC Form 854 and or e to aviation? ILL RESULT IN THE	○ Yes ● No			
POINTS OF C										
Satellite Na the following		SAT115W	B(S2938) EUT	ELSAT	115 WB	114.9 W.L. If you selected	d OTHER, please enter			
E21. Comm	non Name:					E22. ITU Name:				
E23. Orbit	Location:					E24. Country:				
POINTS OF C	COMMUNICA	ATION (Dest	ination Points)							
E25. Site Id	entifier:									
E26. Comm	on Name:					E27. Country:				
ANTENNA										
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenr Size	na E41/42. Antenna G	ainTransmint and/or Bi atGHz)			
ps://licensing.fc	c.gov/ibfsweb/il	p.page.FetchF	orm?id_app_num=1	38045&for	m=P013_10	01.htm&mode=display	12/2			

Trident False Pa	TRDNTFP	II II	General Dynamics	1241	2.4	0.0 dBi at		
E28. Antenn Id	E33/34. I Minor/Ma	Diameter jor(meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	E37. Building Height Above Ground Level (meters)	at antenna	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for
TRDNT	FP 0.0/0.0		3.0	5.4	0.0	40.0	0.0	57.7

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)				
TRDNTFP	5925 6425	Т	Vertical	5M6G7W	57.7	26.16				
E50. Modul	ation and Servic	es Digita	al							
TRDNTFP	3700 4200	R	Vertical	72M0G7W	0.0	0.0				
E50. Modul	E50. Modulation and Services Digital									

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)		E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
TRDNTFP	Geostationary	3700 4200	95.0/ 191.0	107.93	3.56	212.58	22.66	0.0
	Geostationary	5925 6425	95.0/ 191.0	107.93	3.56	212.58	22.66	-56.79

REMOTE CONTROL POINT LOCATION REMOTE CONTROL POINT LOCATION

E61. Call Sign	E65. Phone Number	E65. Phone Number			
NOTE: Please enter the callsign of the controlling sbeing filed.	station, not the callsign for which this applica	tion is			
E62. Street Address					
E63. City	E67. County	E64/68. State/Country /	E66. Zip Code		

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier: Anchorage 3.8 Hub E5. Call Sign:

E2: Contact Name Greg Tooke E6. Phone Number: (907) 550-8364

E3. Street: E7. City:

E8. County:

E4. State	·					Zip Co				_		
E10. Area of O	-				An	chora	ge, AK	-				
E11. Latitude:		8 ' 28.4 "]										
E12. Longitude		° 52 ' 30.7	" W									0
	Coordinates are:					NAD			NAD	-83	(○N/A
E14. Site Eleva	ition (AMSL):			41.0 meters								
proposed anteni	osed antenna(s) op na(s) comply with t turer's qualification cing policy.	he antenna ga	ain patterns s	pecifie	ed in S	Section	n 25.209((a) an	nd (b) as demonstra	ated	Yes	No N/A
Satellite Service	osed antenna(s) do e (FSS) with non-grecified in Section 2	eostationary s	satellites, do(es) the	prop	osed a	ntenna(s)) con	nply with the anter		Yes	No N/A
E17. Is the facil point.	ity operated by ren	note control?	If YES, prov	ide the	e loca	ition ar	nd telepho	one n	number of the cont	rol	O Yes	O No
E18. Is frequ	ency coordinat	ion require	d? If YES,	attac	h a t	frequ	ency co	ordi	ination report a	ıs	Yes	O No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as								O Yes	No			
	otification - (S			nd 4'	7 CF	FR pa	rt 25.1	13(c)) Where FA	1		
notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.									O Yes	No		
<u></u>	OMMUNICATIO:											
Satellite Nar the following	ne:EUTELSAT g:	115WB(S2	938) EU	TELS	SAT	115 V	WB 11	4.9	W.L. If you sel	ected	d OTHER, pl	lease enter
E21. Commo	on Name:						E22	. IT	U Name:			
E23. Orbit L	ocation:						E24	. Cc	ountry:			
POINTS OF C	OMMUNICATIO	N (Destinatio	on Points)				,,					
E25. Site Ide	entifier:											
E26. Commo	on Name:							E2'	7. Country:			
ANTENNA		,					4					
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufact		II .	31. odel	E32 Anter Size	nna	E41/42. Ante Recieve(GainTransn dBi at	
Anchorage 3.8 Hub	DMDTEST3.8	1	General Dynamics		Pro- 138	delin 3	3.8		37.6 dBi at 3.	7400		
									41.6 dBi at 5.9	9650		
E28. Anteni Id	E28. Antenna E33/34. Diameter Id Minor/Major(meters)			E3 Abo Se Lev	ove ea vel	Heig	. Build ght Abo Ground Level	ove	E38. Total Input Power at antenna flange	He	. Maximum Antenna ight Above Rooftop	E40. Total EIRP for al carriers
(meters) (meters) (watts) (met						(meters)	(dBW)					
DMDTEST3	0.0/0.0		2.0	8.0		0.0			9.33	0.0		51.2
FREQUENCY			1				11					
E28. Anteni	E43/44.	E45.	E46.	Ante	enna	a	II .	E47. E48. Maximum			E49. Maxir	
Id	Frequence Bands(MH	· II	Polarizat	Polarization (HVI P)			Emission Designator		1		Densit Carrier(dl	
DMDTECTS	<u> </u>						72M00			• • • • • • • • • • • • • • • • • • •	0.0	υ νν/4ΚΠΖ)
INMATE213	3.8 3700 4200	R	Vertical				/ ZIVIU(J/W	v U.U		ιν.υ	

E50. Modulation and Services	Digital						
DMDTEST3.8 5925 5959.85	Т	Vertical	72M0G7W	51.2	23.11		
E50. Modulation and Services Digital							
DMDTEST3.8 6390.14 6425	Т	Vertical	72M0G7W	51.2	23.11		
E50. Modulation and Services Digital							
DMDTEST3.8 6108.45 6137.75	Т	Vertical	72M0G7W	51.2	23.11		
E50. Modulation and Services 1	Digital						
DMDTEST3.8 6167.75 6330.49	Т	Vertical	72M0G7W	51.2	23.11		
E50. Modulation and Services 1	Digital						

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	I I	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
DMDTEST3.8	Geostationary	3700 4200	95.0/ 191.0	121.64	7.52	224.91	12.86	0.0
	Geostationary	5925 5959.85	95.0/ 191.0	121.64	7.52	224.91	12.86	-21.45
	Geostationary	6390.14 6425	95.0/ 191.0	121.64	7.52	224.91	12.86	-21.45
	Geostationary	6108.45 6137.75	95.0/ 191.0	121.64	7.52	224.91	12.86	-21.45
	Geostationary	6167.75 6330.49	95.0/ 191.0	121.64	7.52	224.91	12.86	-21.45

REMOTE CONTROL POINT LOCATION REMOTE CONTROL POINT LOCATION

E61. Call Sign		E65. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the being filed.			
E62. Street Address			
E63. City	E67. County	E64/68. State/Country	E66. Zip Code

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier: Anchorage 2.4 Hub E5. Call Sign:

E2: Contact Name Greg Tooke E6. Phone Number: (907) 550-8364

F	R	E	Ų	U]	El	V	C.	Y

DMDTEST2.4||0.0/0.0

E28. Antenna	E43/44.	E45.	E46. Antenna	E47.	E48. Maximum	E49. Maximum ERIP	
Id	Frequency	T/R	Polarization(H,V,L,R)	Emission	EIRP per	Density per	

8.0

|0.0|

40.0

|0.0|

2.0

57.7

	Bands(MHz)	Mode		Designator	Carrier(dBW)	Carrier(dBW/4kHz)		
DMDTEST2.4	3700 4200	R	Vertical	72M0G7W	0.0	0.0		
E50. Modulation and Services Digital								
DMDTEST2.4	5925 5959.85	T	Vertical	12M4G7W	57.7	23.11		
E50. Modulation and Services Digital								
DMDTEST2.4	6390.14 6425	T	Vertical	12M4G7W	57.7	23.11		
E50. Modulatio	n and Services l	Digital						
DMDTEST2.4	6108.45 6137.75	Т	Vertical	12M4G7W	57.7	23.11		
E50. Modulatio	n and Services	12M4G7	'W					
DMDTEST2.4	6167.75 6330.49	Т	Vertical	12M4G7W	57.7	23.11		
E50. Modulatio	n and Services l	Digital						

E28. Antenna Id	Orbit Type	E52/53. Frequency Limits(MHz)	I	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
DMDTEST2.4	Geostationary	3700 4200	95.0/ 191.0	121.64	7.52	224.91	12.86	0.0
	Geostationary	5925 5959.85	95.0/ 191.0	121.64	7.52	224.91	12.86	-60.9
	Geostationary	6390.14 6425	95.0/ 191.0	121.64	7.52	224.91	12.86	-60.9
	Geostationary	6108.45 6137.75	95.0/ 191.0	121.64	7.52	224.91	12.86	-60.9
	Geostationary	6167.75 6330.49	95.0/ 191.0	121.64	7.52	224.91	12.86	-60.9

REMOTE CONTROL POINT LOCATION REMOTE CONTROL POINT LOCATION

E61. Call Sign		E65. Phone Number	
NOTE: Please enter the callsign of the controlling station, not the being filed.			
E62. Street Address			
E63. City	E67. County	E64/68. State/Country	E66. Zip Code

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

E21. Com E23. Orbi POINTS OF E25. Site E26. Com ANTENNA	ving: nmon Name: it Location: F COMMUNICAT Identifier: nmon Name: E28. Antonna	ION (Desti		E31.	E32. Antenna Size	114.9 W.L. If you s 22. ITU Name: 24. Country: E27. Country: E41/42. Anten Recieve(na Gain' dBi a		nt and/or
E21. Com E23. Orbi POINTS OF E25. Site E26. Com ANTENNA	wing: nmon Name: it Location: F COMMUNICAT Identifier: nmon Name: E28. Antenna Id E24 Quan	ION (Desti	E30. nufacturer	E31. Model	E32. Antenna Size	22. ITU Name: 24. Country: E27. Country: E41/42. Anten Recieve(na Gain'	Transmi	nt and/or
E21. Com E23. Orbi POINTS OF E25. Site E26. Com ANTENNA	wing: nmon Name: it Location: F COMMUNICAT Identifier: nmon Name: E28. Antenna E29.	ION (Desti	nation Points	E31. Model	E32. Antenna Size	22. ITU Name: 24. Country: E27. Country: E41/42. Anten	na Gain'	Transmi	nt and/or
E21. Com E23. Orbi POINTS OF E25. Site E26. Com	ving: nmon Name: it Location: F COMMUNICAT Identifier:				E2	22. ITU Name: 24. Country:	elected C	OTHER, 1	olease enter
Satellite In the follow E21. Com E23. Orbit POINTS OF E25. Site	ving: nmon Name: it Location: F COMMUNICAT Identifier:				E2	22. ITU Name:	elected C	OTHER, 1	olease enter
Satellite Notes the follow E21. Com E23. Orbi	ving: nmon Name: it Location:				E2	22. ITU Name:	elected C	OTHER, 1	please enter
Satellite N the follow E21. Com	ving: nmon Name:	AIII5WI	B(S2938) E	EUTELSA	E2	22. ITU Name:	elected C	OTHER, _I	please enter
Satellite I the follow	ving:	ATTIOWE	B(S2938) E	EUTELSA		<u> </u>	elected C	OTHER, 1	olease enter
Satellite N		41115W1	B(S2938) E	EUTELSA	T 115 WB 1	114.9 W.L. If you s	elected C	OTHER, 1	olease enter
	T DITTEL C	ATT 1 1 5 XX II							
	F COMMUNICAT								
notification the FAA'	on is required, s study regardi	have you ng the po Y WITH	attached a otential haz 47 CFR PA	copy of ard of th	a completed e structure t	5.113(c)) Where FA FCC Form 854 ar o aviation? LL RESULT IN T	nd or	O Yes	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as								O Yes	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as								O Yes	O No
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.									O No
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?									No N/A
proposed an	tenna(s) comply wi	th the anten	na gain patteri	ns specified	in Section 25.20	stationary satellites, do(19(a) and (b) as demons sis showing compliance	trated	es es	No N/A
E14. Site E	levation (AMSL):			4.88 me	ters				
	on Coordinates are:	10, 0		○NAI	D- 27	NAD-83	3	(○N/A
E11. Lantu			'0.9 " W						
E10. Area o	of Operation:	50 ° 12	' 43.7 " N	Naknek	, AK				
11 - 10 1		AK		E9. Zip C					
E4. State				E8. Coun	-				
E4. State		Greg re	OCKC	E7. City:	e rumber.	(701) 330 (3304		
E3. Street:	t i tuille	Greg To	ooke		e Number:	(907) 550-8	8364		
		Naknek	: <u>-</u>	E5. Call	Sign:				

4.88

0.0

40.0

0.0

3.0

NAKNEK 0.0/0.0

FREQUENCY

57.7

E28.	E43/44.	E45.	E46. Antenna	E47. E48. Maximum		E49. Maximum ERIP		
Antenna	Frequency	T/R	Polarization(H,V,L,R)	Emission EIRP per		Density per		
Id	Bands(MHz)	Mode		Designator	Carrier(dBW)	Carrier(dBW/4kHz)		
NAKNEK	3700 4200	R	Vertical	72M0G7W	0.0	0.0		
E50. Modu	lation and Service	es Digit	al					
NAKNEK	5925 6425	Т	Vertical	12M4G7W	57.7	26.16		
E50. Modu	E50. Modulation and Services Digital							

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
NAKNEK	Geostationary	3700 4200	114.0/ 116.0	132.51	13.89	134.52	14.67	0.0
	Geostationary	5925 6425	114.0/ 116.0	132.51	13.89	134.52	14.67	-60.47

REMOTE CONTROL POINT LOCATION REMOTE CONTROL POINT LOCATION

E61. Call Sign

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

E63. City

E67. County

E66. Zip Code

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier: Alitak E5. Call Sign:

E2: Contact Name Greg Tooke E6. Phone Number: (907) 550-8364

E3. Street: E7.

E7. City:

E8. County:

E4. State AK E9. Zip Code

E10. Area of Operation: Alitek, AK

E11. Latitude: 56 ° 53 ' 53.7 " N

E12. Longitude: 154 ° 14 ' 47.4 "

E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A

E14. Site Elevation (AMSL): 15.24 meters

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated



◎ No N/A

/8/2021	https://licensing.fcc.gov/ibfsweb/ib.page.FetchForm?id_a	app_num=138045&form=P013_101.h	ntm&mode=display				
by the manufacturer's two-degree spacing p	s qualification measurement? If NO, provide asa technical arbolicy.	nalysis showing compliance with					
Satellite Service (FS	E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements? E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control						
E17. Is the facility oppoint.	○ Yes ◎ No						
E18. Is frequency	Yes No						
E19. Is coordinat country(ies) and	○ Yes ● No						
notification is re the FAA's study FAILURE TO C	E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.						
POINTS OF COMM	IUNICATION						
Satellite Name:E the following:	Satellite Name:EUTELSAT115WB(S2938) EUTELSAT 115 WB 114.9 W.L. If you selected OTHER, please enter the following:						
E21. Common N	E21. Common Name: E22. ITU Name:						
E23. Orbit Locat							
POINTS OF COMM	IUNICATION (Destination Points)						

E25. Site Identifier:	
E26. Common Name:	E27. Country:

ANTENNA E28.

Site ID	E28. Antenna Id	E29. Quantity	E30. Aanufacturer		Antenna Size	E41/42. Antenna GainTransmin Recieve(dBi atG		t and/or Hz)
Alitak	ALITAK		General Dynamics	Prodelin 1244	2.4	7.6 dBi at 3.7400		
					4	2.0 dBi at 5.9650		
E28. Anten Id	na E33/3	4. Diameter Aajor(meter	(_round	Level	E37. Building Height Above Ground Level (meters)	at antenna	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers (dBW)
ALITA	K 0.0/0.0		3.0	15.24	0.0	40.0	0.0	57.7

FREQUENCY

E28. Antenna Id	Antenna Frequency T/R Bands(MHz) Mode Polarization(H,V,L,		E46. Antenna Polarization(H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)				
ALITAK	3700 4200	R	Vertical	72M0G7W	0.0	0.0				
E50. Mod	E50. Modulation and Services Digital									
ALITAK	5925 5989.5	T	Vertical	12M4G7W	57.7	23.5				
E50. Mod	ulation and Serv	ices Digi	ital							
ALITAK	6360.49 6425	T	Vertical	12M4G7W	57.7	23.5				
E50. Mod	ulation and Serv	ices Digi	ital							
ALITAK	6019.5 6048.8	Т	Vertical	12M4G7W	57.7	23.5				
E50. Mod	ulation and Serv	ices Digi	ital			_				
ALITAK	6078.8 6271.19	T	Vertical	12M4G7W	57.7	23.5				

E50. Modulation and Services Digital									
ALITAK	6301.19 6330.49	Т	Vertical	12M4G7W	57.7	23.5			
E50. Mod	E50. Modulation and Services Digital								

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
ALITAK	Geostationary	3700 4200	95.0/ 191.0	116.49	7.61	221.72	17.68	0.0
	Geostationary	5925 5989.5	95.0/ 191.0	116.49	7.61	221.72	17.68	-62.16
	Geostationary	6360.49 6425	95.0/ 191.0	116.49	7.61	221.72	17.68	-62.16
	Geostationary	6019.5 6048.8	95.0/ 191.0	116.49	7.61	221.72	17.68	-62.16
	II -acctotionory	6078.8 6271.19	95.0/ 191.0	116.49	7.61	221.72	17.68	-62.16
	Geostationary	6301.19 6330.49	95.0/ 191.0	116.49	7.61	221.72	17.68	-62.16

REMOTE CONTROL POINT LOCATION REMOTE CONTROL POINT LOCATION

E61. Call Sign	E65. Phone Number		
NOTE: Please enter the callsign of the controlling station, not t being filed.	he callsign for which this application is		
E62. Street Address			
E63. City	E67. County	E64/68. State/Country	E66. Zip Code

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier: Exursion Inlet E5. Call Sign:

E2: Contact Name Greg Tooke E6. Phone Number: (907) 550-8364

E3. Street: E7. City:

E8. County:

E4. State AK E9. Zip Code

E10. Area of Operation: Exursion Inlet, AK

E11. Latitude: 58 ° 24 ' 55.3 " N

E12. Longitude: 135 ° 26 ' 36.4 " W	
E13. Lat/Lon Coordinates are: NAD-27 NAD-83	○ N/A
E14. Site Elevation (AMSL): 10.36 meters	
E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy.	Yes No N/A
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	Yes No No N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	Yes
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	○ Yes ● No
E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	○ Yes ● No
POINTS OF COMMUNICATION	
Satellite Name:EUTELSAT115WB(S2938) EUTELSAT 115 WB 114.9 W.L. If you selected the following:	OTHER, please enter
E21. Common Name: E22. ITU Name:	
E23. Orbit Location: E24. Country:	
POINTS OF COMMUNICATION (Destination Points)	
E25. Site Identifier:	
E26. Common Name: E27. Country: ANTENNA	
Site ID E28. E29. E30. E31. Antenna Id Quantity Manufacturer Model Size E41/42. Antenna Ga Recieve(dB	inTransmint and/or ii atGHz)
Exursion Inlet EXCRINLT 1 General Dynamics Prodelin 1244 2.4 37.6 dBi at 3.7400	
42.0 dBi at 5.9650	
E28. E33/34. Diameter Ground Sea Height Above at antenna Above Antenna Id Minor/Major(meters) Level Level Ground Gr	Maximum E40. Total EIRP for al carriers (dBW)
EXCRINLT 0.0/0.0 3.0 10.36 0.0 40.0 0.0	57.7
FREQUENCY PAGE 1840 No. 1	D40 N/ 1
Antenna Id Frequency Bands(MHz) Mode Frequency Bands(MHz) Mode Frequency Bands(MHz) Mode Frequency Bands(MHz) Freq	E49. Maximum ERIP Density per Carrier(dBW/4kHz)
	.0
E50. Modulation and Services Digital	
EXCRINLT 6419.79 6425 T Vertical 12M4G7W 57.7 2. E50. Modulation and Services Digital	3.5

EXCRINLT	5925 5930.025	T	Vertical	12M4G7W	57.7	23.5				
E50. Modulation and Services Digital										
EXCRINLT 6019.5 T Vertical 12M4G7W 57.7 23.5										
E50. Modula	ation and Service	s Digita	1							
EXCRINLT	6242.065 6300.84	T	Vertical	12M4G7W	57.7	23.5				
E50. Modula	E50. Modulation and Services Digital									

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
EXCRINLT	Geostationary	3700 4200	95.0/ 191.0	134.98	15.11	239.71	8.65	0.0
	Geostationary	6419.79 6425	95.0/ 191.0	134.98	15.11	239.71	8.65	-64.8
	II fanctationary	5925 5930.025	95.0/ 191.0	134.98	15.11	239.71	8.65	-64.8
	III teostationary	6019.5 6182.065	95.0/ 191.0	134.98	15.11	239.71	8.65	-64.8
	Geostationary		95.0/ 191.0	134.98	15.11	239.71	8.65	-64.8

REMOTE CONTROL POINT LOCATION REMOTE CONTROL POINT LOCATION

E61. Call Sign	E65. F	Phone Number		
NOTE: Please enter the callsign of the controlling station, not the being filed.				
E62. Street Address				
E63. City	E67. County	ll ll	E64/68. State/Country /	E66. Zip Code

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier: St. Paul E5. Call Sign:

E2: Contact Name Greg Tooke E6. Phone Number: (907) 550-8364

E3. Street: E7. City:

E8. County:

E4. State AK E9. Zip Code

E10. Area of Operation:

					St. Pa	ul, Al	K					
E11.1	Latitude:			23.0 " N								
E12. 1	Longitude:	1	170°1	6 ' 45.0 "	W							
E13. 1	Lat/Lon Coord	linates are:			\bigcirc NA	AD-27	7		NAD-8	3		N/A
E14. S	Site Elevation	(AMSL):			8.0 me	eters						
propos by the	sed antenna(s)	comply with 's qualification	the anter	ına gain patı	terns specific	ed in S	ection 25.	.209(tionary satellites, do a) and (b) as demon showing complianc	strated		No N/A
Satelli gain p	te Service (FS	S) with non-g	eostation	nary satellite	es, do(es) the	propo	sed anten	ına(s)	they operate in the comply with the and rer's qualification		Yes	No N/A
E17. I point.	s the facility o	perated by ren	note con	trol? If YES	s, provide the	e locati	ion and te	lepho	one number of the co	ontrol	O Yes	O No
E18.	Is frequenc	y coordinat	ion req	uired? If	YES, attac	ch a fi	requenc	у со	ordination repor	t as	Yes	O No
		tion with ar plot of coo				YES	, attach	the 1	name of the		O Yes	O No
notif the F FAII RET	E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.											
		MUNICATIO		. (2.0.0.)	l proper d	~		1 4 4				
	lite Name:I	EUTELSAI	115WI	B(\$2938)	EUTELS	SAT 1	15 WB	114	4.9 W.L. If you s	select	ed OTHER, p	lease enter
E21.	Common N	lame:						E22.	. ITU Name:			
E23.	Orbit Loca	tion:						E24.	. Country:			
POINT	rs of com	MUNICATIO	N (Desti	ination Poi	nts)							
E25.	Site Identif	ier:										
E26.	Common N	lame:							E27. Country:			
ANTE	11	1	7					1				
Site ID	E28. Antenna Id	E29. Quantity	II.	E30. Ifacturer	E31. Model	An	E32. tenna Size		E41/42. Anten Recieve(_			t and/or Hz)
St. Paul	STPAUL	1	Gener Dynai		Prodelin 1383	3.8		41.	6 dBi at 3.7400			
								45.	6 dBi at 5.9650			
Ante	Id Minor/Major(meters)			E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	Heig Gro	. Buildi ght Abo und Lev neters)	ve vel	E38. Total Input Power at antenna flange (Watts)	Anto Abo	. Maximum enna Height ove Rooftop (meters)	E40. Total EIRP for al carriers (dBW)
	AUL 0.0/0.0)		2.0	8.0	0.0			40.0	0.0		61.92
	UENCY	1		1								
E2 Ante	nna Fre	13/44. quency ls(MHz)	E45. T/R Mode	II .	. Antenna tion(H,V,L,R) Emissi Designa			ion	E48. Maximu EIRP per Carrier(dBV	Densit	E49. Maximum ERIP Density per Carrier(dBW/4kHz)	
STPA			Γ	Vertical			72M0G		<u> </u>		0.0	
		and Service	es Dig						11			

STPAUL 5925 6425	T	Vertical	12M4G7W 61.92	36.8	
E50. Modulation and Ser	vices Dig	gital			

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
STPAUL	Geostationary	13 /100 /12/100	95.0/ 191.0	102.44	-0.75	204.25	22.5	0.0
	Geostationary	5925 6425	95.0/ 191.0	102.44	-0.75	204.25	22.5	-60.12

REMOTE CONTROL POINT LOCATION REMOTE CONTROL POINT LOCATION

E61. Call Sign		E65. Phone Number					
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.							
E62. Street Address							
E63. City	E67. County	E64/68. State/Country	E66. Zip Code				

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 0.25 - 24 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.