

Micronet Communications, Inc.

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

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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 Lewis
Systems Engineer

Attached: 1 data sheet

Micronet Communications, Inc.
 812 Lexington Dr
 Plano, Texas 75075
 972-422-7200

File: N2112346

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	Alaska Communications Internet, LLC		
Site Name, State:	Kotlik School, AK		
Call Sign:			
Latitude	(NAD83)	63 1	53.0 N
Longitude	(NAD83)	163 33	17.0 W
Elevation AMSL	(ft/m)	3.00	0.91
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long.	(deg W)	95.00	191.00
Range of Azimuths from North	(deg)	109.29	210.23
Antenna Centerline	(ft/m)	9.84	3.00
Antenna Elevation Angles	(deg)	0.86	15.36

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	37.60	41.60
15 DB Half Beamwidth	(deg)	4.90	2.00
Antennas	Receive: GENERAL DYNAMICS 1241 (2.4 M)		
	Transmit: GENERAL DYNAMICS 1241 (2.4 M)		
Max Transmitter Power	(dbW/4KHz)		-16.41
Max EIRP Main Beam	(dbW/4KHz)		25.19
Modulation / Emission Designator	DIGITAL 5M6G7W		

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	715.77	262.19
Max Rain Scatter Distances	(km)	712.58	100.00
Max Interference Power Long Term	(dbW)	-158.60	-154.80
Max Interference Power Short Term	(dbW)	-153.90	-126.80
Rain Zone / Radio Zone		3	A

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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,



Jeremy Lewis
Systems Engineer

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File: M2112346

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	Alaska Communications Internet, LLC		
Site Name, State:	Trident False Pass, AK		
Call Sign:			
Latitude	(NAD83)	54 51	54.0 N
Longitude	(NAD83)	163 24	41.0 W
Elevation AMSL	(ft/m)	5.00	1.52
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long.	(deg W)	95.00	191.00
Range of Azimuths from North	(deg)	107.93	212.58
Antenna Centerline	(ft/m)	9.84	3.00
Antenna Elevation Angles	(deg)	3.56	22.66

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	37.60	41.60
15 DB Half Beamwidth	(deg)	4.90	2.00
Antennas	Receive: GENERAL DYNAMICS 1241 (2.4 M)		
	Transmit: GENERAL DYNAMICS 1241 (2.4 M)		
Max Transmitter Power	(dbW/4KHz)		-15.44
Max EIRP Main Beam	(dbW/4KHz)		26.16
Modulation / Emission Designator	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 Term	(dbW)	-158.60	-154.80
Max Interference Power Short Term	(dbW)	-153.90	-126.80
Rain Zone / Radio Zone		3	A