

Micronet Communications, Inc.

720 F Avenue, Suite 100
Plano, Texas 75074
972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1105206 5.93 GHz
Licensee: ALASCOM INC / UNITED UTILITIES INC

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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:

Emmonak, 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:

07/26/2011 Original PCN (Expedited response requested by 08/09/2011)
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
UNICOM INC
UNITED UTILITIES INC

Respectfully Submitted,

Jeremy Lewis
System Engineer

Attached: 1 data sheet

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	ALASCOM INC / UNITED UTILITIES INC		
Site Name, State:	Emmonak, AK		
Call Sign:			
Latitude	(NAD83)	62 46	44.0 N
Longitude	(NAD83)	164 31	36.0 W
Elevation AMSL	(ft/m)	200.13	61.00
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	5925-6019/6109-6271/6302-6330/6361-6425	
Range of Satellite Orbital Long.	(deg W)	105.00	150.00
Range of Azimuths from North	(deg)	117.62	163.76
Antenna Centerline	(ft/m)	22.97	7.00
Antenna Elevation Angles	(deg)	4.76	18.03

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	43.70	46.80
15 DB Half Beamwidth	(deg)	1.22	0.00

Antennas Receive: ANDREW ESA45-46A
 Transmit: ANDREW ESA45-46A (4.5 M)

Max Transmitter Power	(dbW/4KHz)		3.00
Max EIRP Main Beam	(dbW/4KHz)		49.80
Modulation / Emission Designator	DIGITAL	29K0G1D	

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	393.47	284.60
Max Rain Scatter Distances	(km)	315.26	107.06
Max Interference Power Long Term	(dbW)	-140.60	-151.80
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		3	A

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Site Name, State:	Emmonak, AK		
Call Sign:			
Latitude	(NAD83)	62 46	44.0 N
Longitude	(NAD83)	164 31	36.0 W
Elevation AMSL	(ft/m)	200.13	61.00
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	5925-6078/6109-6271/6302-6330/6361-6425	
Range of Satellite Orbital Long.	(deg W)	105.00	150.00
Range of Azimuths from North	(deg)	117.62	163.76
Antenna Centerline	(ft/m)	22.97	7.00
Antenna Elevation Angles	(deg)	4.76	18.03

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	43.70	46.80
15 DB Half Beamwidth	(deg)	1.22	0.00

Antennas Receive: ANDREW ESA45-46A
 Transmit: ANDREW ESA45-46A (4.5 M)

Max Transmitter Power	(dbW/4KHz)		-17.40
Max EIRP Main Beam	(dbW/4KHz)		29.40
Modulation / Emission Designator	DIGITAL	13M9G1D	13M9G7W

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	393.47	186.38
Max Rain Scatter Distances	(km)	315.26	100.00
Max Interference Power Long Term	(dbW)	-140.60	-151.80
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		3	A

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Company: ALASCOM INC / UNITED UTILITIES INC
 Site Name, State: Emmonak, AK
 Call Sign:
 Latitude (NAD83) 62 46 44.0 N
 Longitude (NAD83) 164 31 36.0 W
 Elevation AMSL (ft/m) 200.13 61.00
 Receive Frequency Range (MHz) 3700-4200
 Transmit Frequency Range (MHz) 5925-6019/6109-6271/6302-6330/6361-6425
 Range of Satellite Orbital Long. (deg W) 105.00 150.00
 Range of Azimuths from North (deg) 117.62 163.76
 Antenna Centerline (ft/m) 22.97 7.00
 Antenna Elevation Angles (deg) 4.76 18.03

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	43.70	46.80
15 DB Half Beamwidth	(deg)	1.22	0.00

Antennas Receive: ANDREW ESA45-46A
 Transmit: ANDREW ESA45-46A (4.5 M)

Max Transmitter Power	(dbW/4KHz)		3.00
Max EIRP Main Beam	(dbW/4KHz)		49.80
Modulation / Emission Designator	DIGITAL	57K0G7W	

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	393.47	284.60
Max Rain Scatter Distances	(km)	315.26	107.06
Max Interference Power Long Term	(dbW)	-140.60	-151.80
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		3	A