

**Micronet Communications, Inc.**

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: N1220503 5.93 GHz  
Licensee: GCI COMMUNICATIONS CORPORATION

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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:

Unalakleet ES, 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:

02/06/2013 Major Mod (Expedited response requested by 02/20/2013)  
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  
GCI COMMUNICATION CORP  
UNICOM INC

Respectfully Submitted,



Jeremy Boyce  
Systems Engineer

Attached: 1 data sheet

File: N1220503

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	GCI COMMUNICATIONS CORPORATION		
Site Name, State:	Unalakleet ES, AK		
Call Sign:	E020176		
Latitude	(NAD83)	63 52	37.2 N
Longitude	(NAD83)	160 47	20.2 W
Elevation AMSL	(ft/m)	8.01	2.44
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long.	(deg W)	103.00	139.00
Range of Azimuths from North	(deg)	119.50	156.00
Antenna Centerline	(ft/m)	6.00	1.83
Antenna Elevation Angles	(deg)	4.92	15.78

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	42.10	46.20
15 DB Half Beamwidth	(deg)	1.40	0.80

Antennas            Receive: PATRIOT ANTENNA SYSTEMS 3.8 METER  
                       Transmit: PATRIOT ANTENNA SYSTEMS INTTX-380AZ

Max Transmitter Power	(dbW/4KHz)	-16.50
Max EIRP Main Beam	(dbW/4KHz)	29.70
Modulation / Emission Designator	DIGITAL    36MOG7D    36M0D7W	
	36M0F8W	

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	400.02	192.79
Max Rain Scatter Distances	(km)	313.61	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