

Micronet Communications, Inc.

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1800229 6.06 GHz
Licensee: ALASKA PUBLIC TELECOMMUNICATIONS, 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:

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:

01/11/2018 Original PCN (Expedited response requested by 01/25/2018)
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
ACS WIRELESS LICENSE SUB, LLC
ALASCOM, INC.
ALASKA PIPELINE COMPANY
ALASKA PUBLIC TELECOMMUNICATIONS, INC
ALASKA RAILROAD CORPORATION
ALASKA, STATE OF
AT&T MOBILITY SPECTRUM LLC
CHUGACH ELECTRIC ASSOCIATION, INC.
COMSEARCH INC
ENSTAR NATURAL GAS CO., A DIVISION OF SEMCO ENERGY, INC.
GCI COMMUNICATION CORP
HOMER ELECTRIC ASSOCIATION
MATANUSKA TELEPHONE ASSOCIATION
MATANUSKA-SUSITNA, BOROUGH OF
MICRONET COMMUNICATIONS INC
MTA COMMUNICATIONS
NEW CINGULAR WIRELESS PCS, LLC
NORSTAR PIPELINE COMPANY, INC. AN ALASKA CORPORATION WHOLLY OWNE
RADIO DYNAMICS
THE ALASKA WIRELESS NETWORK, LLC
VERIZON WIRELESS (VAW) LLC
WIRELESS APPLICATIONS CORP

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Respectfully Submitted,



Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	ALASKA PUBLIC TELECOMMUNICATIONS, INC		
Site Name, State:	Anchorage, AK		
Call Sign:			
Latitude	(NAD83)	61 11 24.8	N
Longitude	(NAD83)	149 48 33.7	W
Elevation AMSL	(ft/m)	165.00	50.29
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	6059.15-6078.45/6108.45-6182.24/6271.54-6330.49/6360.49-6425	
Range of Satellite Orbital Long.	(deg W)	90.00	177.00
Range of Azimuths from North	(deg)	117.01	210.38
Antenna Centerline	(ft/m)	38.53	11.74
Antenna Elevation Angles	(deg)	5.38	17.09

Equipment Parameters		Receive	Transmit
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Antenna Gain, Main Beam	(dbI)	43.60	46.70
15 DB Half Beamwidth	(deg)	1.10	0.76

Antennas Receive: SUPERIOR SATELLITE ENGINEERS 4.5M
 Transmit: SUPERIOR SATELLITE ENGINEERS 4.5M

Max Transmitter Power	(dbW/4KHz)		-16.02
Max EIRP Main Beam	(dbW/4KHz)		30.68
Modulation / Emission Designator	DIGITAL	100KG7W	1M60G7W

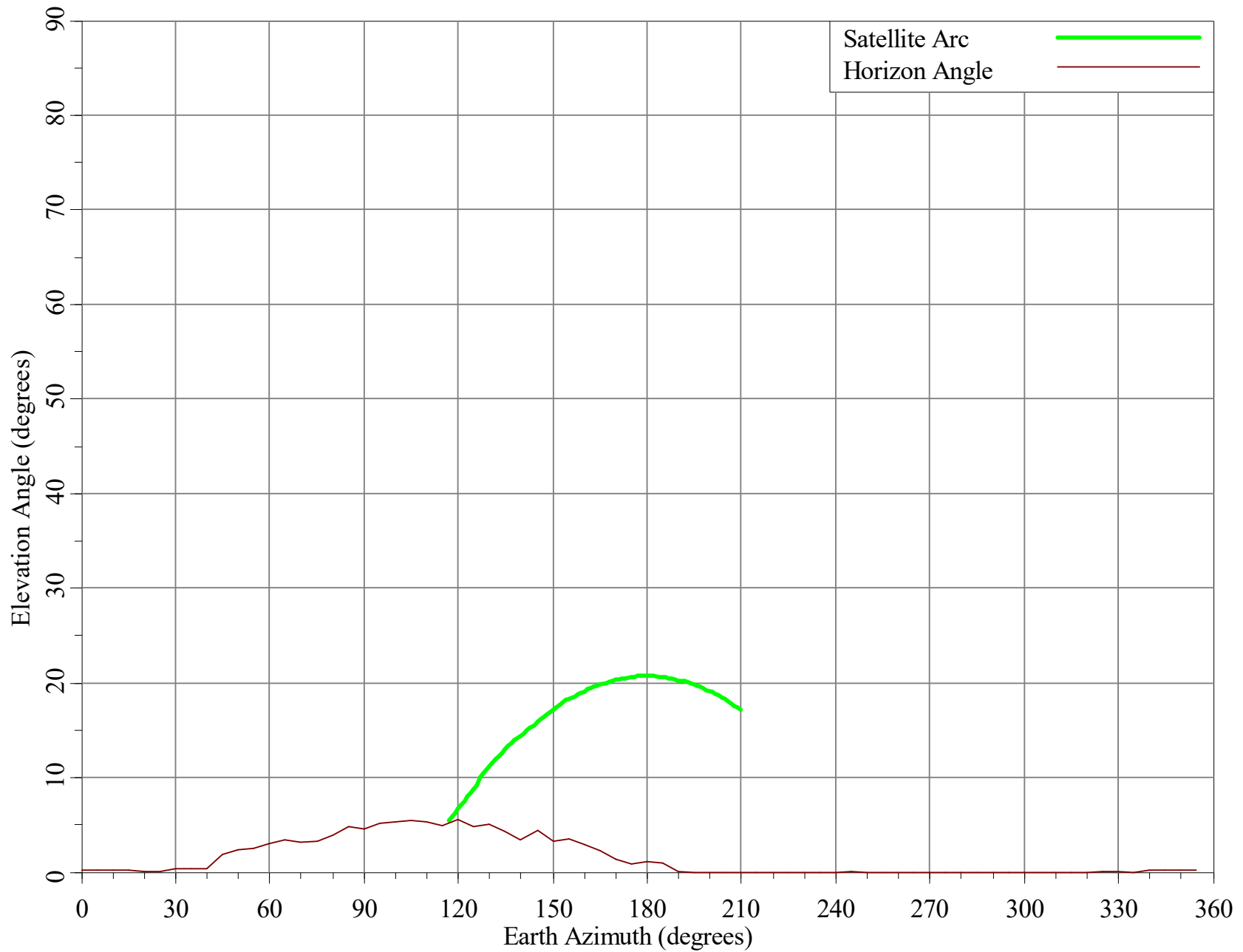
Coordination Parameters		Receive	Transmit
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Max Greater Circle Distances	(km)	557.58	273.03
Max Rain Scatter Distances	(km)	309.51	100.00
Max Interference Power Long Term	(dbW)	-140.60	-154.00
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		3	A

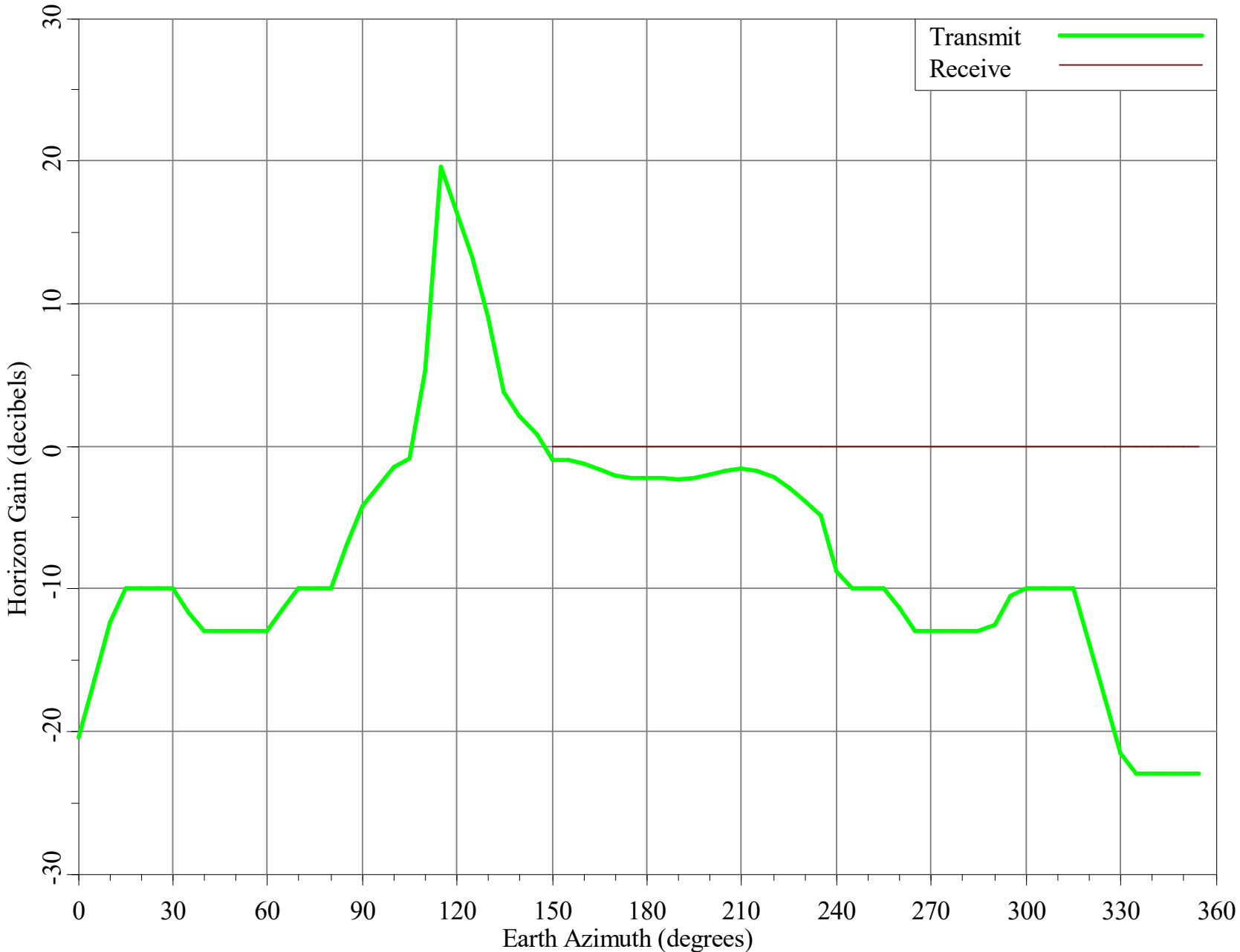
170	1.28	44.00	227.6	350	0.17	0.00	247.3
175	0.82	44.00	250.1	355	0.16	0.00	247.3

Horizon Angle & Satellite Arc for Anchorage, AK

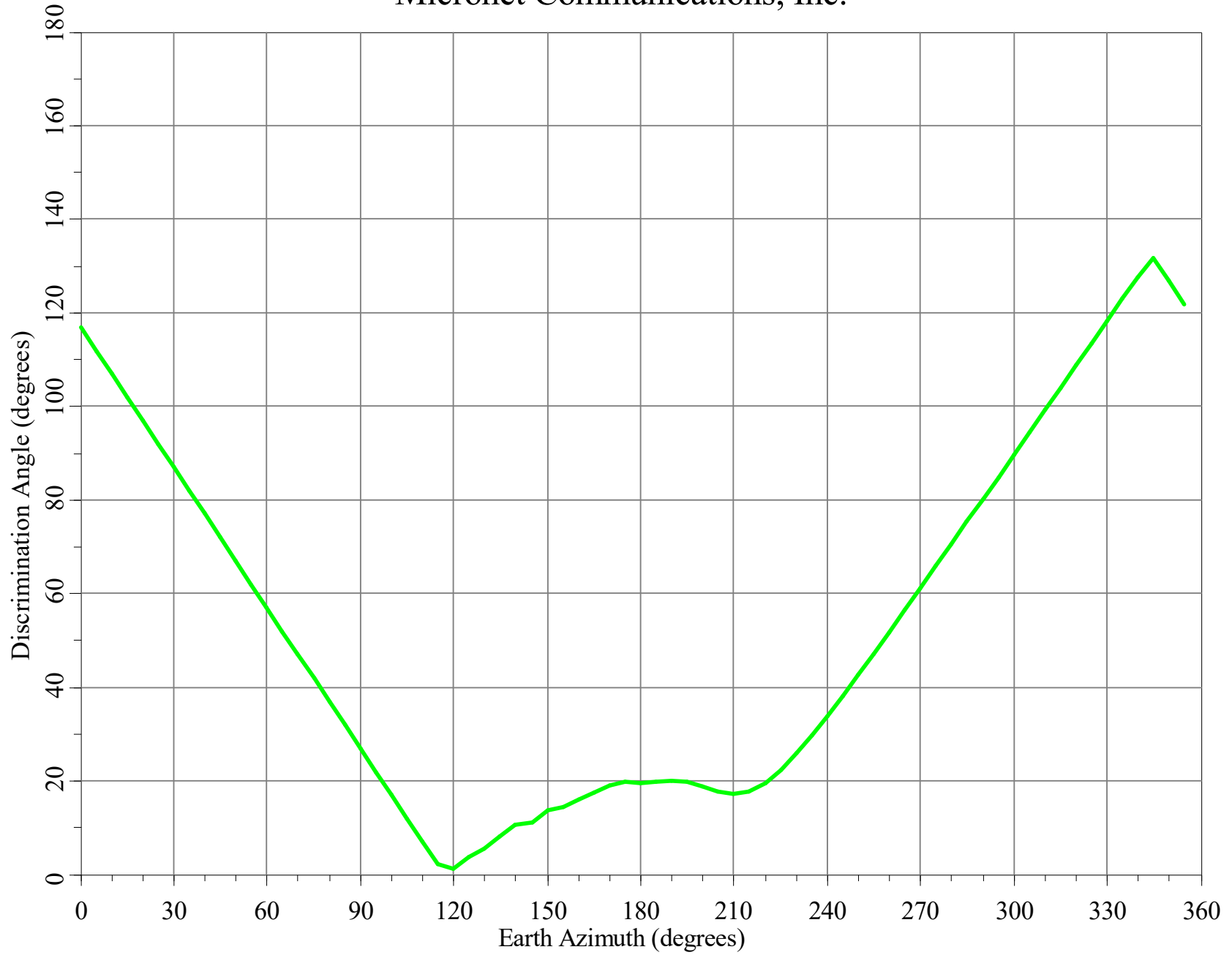
Micronet Communications, Inc.



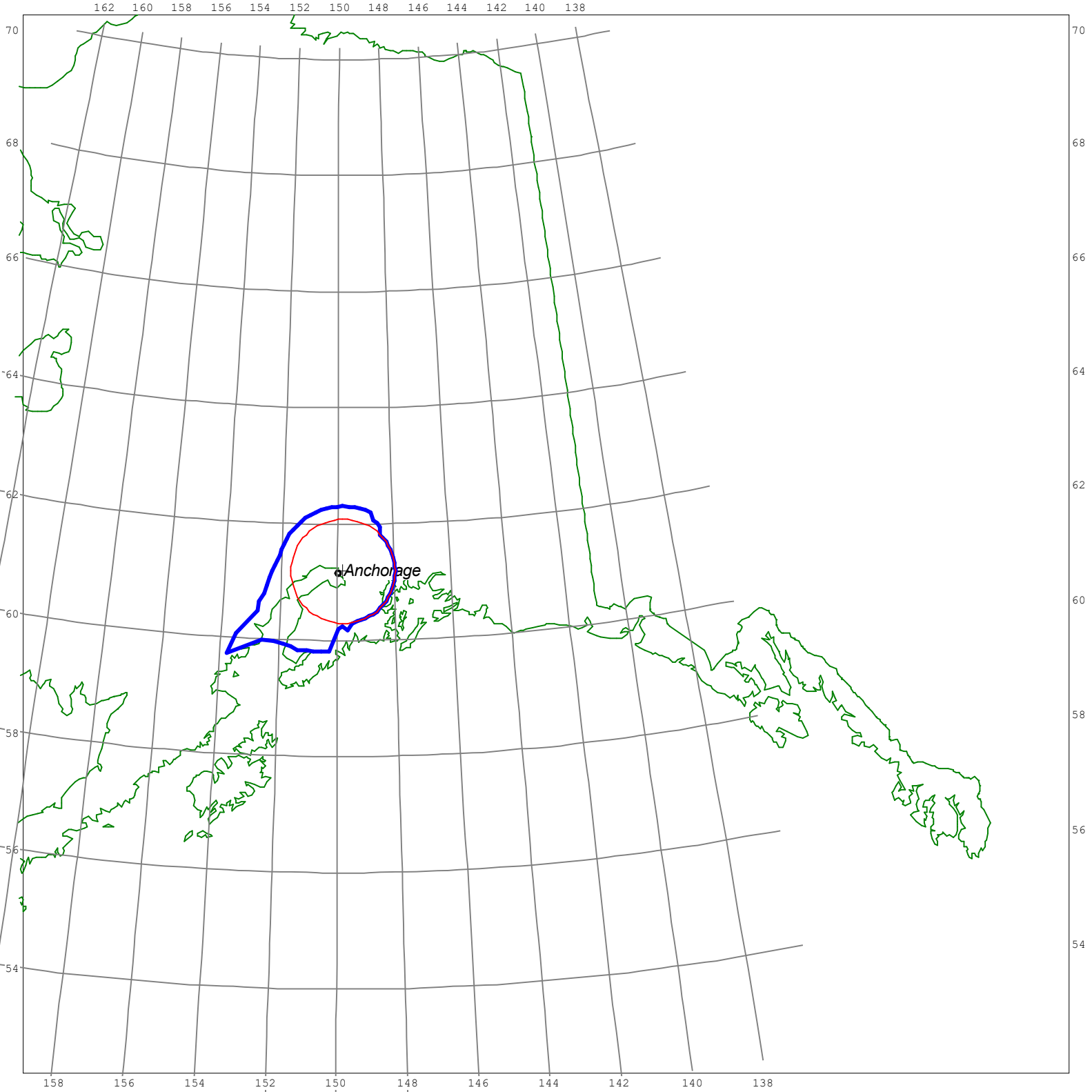
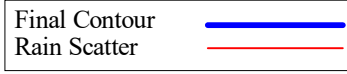
Horizon Gain for Anchorage, AK
Micronet Communications, Inc.



Minimum Discrimination Angles for Anchorage, AK
Micronet Communications, Inc.



Final Contour & Rain Scatter for Anchorage, AK - Transmit



SCALE - 1:10000000 1 inch = 157.8 miles

Final Contour & Rain Scatter for Anchorage, AK - Receive

SCALE - 1:10000000 1 inch = 157.8 miles

