

Bonneville International
Triad Center Site
Coordinates: 40-46-11.8 N, 111-54-5.8 W (NAD 83)

Micronet Communications, Inc.

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: N1812412 3.70 GHz
Licensee: BONNEVILLE INTERNATIONAL CORPORATION

Page 1

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:

Triad Center, UT

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:

05/29/2018 Original PCN

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

Attached: 1 data sheet

Micronet Communications, Inc.
720 F Avenue, Suite 100
Plano, Texas 75074
972-422-7200

File: N1812412

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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company:	BONNEVILLE INTERNATIONAL CORPORATION		
Site Name, State:	Triad Center, UT		
Call Sign:			
Latitude	(NAD83)	40 46	11.8 N
Longitude	(NAD83)	111 54	5.8 W
Elevation AMSL	(ft/m)	4254.91	1296.90
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	105.00	139.00
Range of Azimuths from North	(deg)	169.50	218.08
Antenna Centerline	(ft/m)	62.34	19.00
Antenna Elevation Angles	(deg)	42.35	35.32

Equipment Parameters Receive

Antenna Gain, Main Beam	(dbI)	40.50
15 DB Half Beamwidth	(deg)	1.50

Antennas Receive: SCIENTIFIC ATLANTA 8012 (3.6 METER)

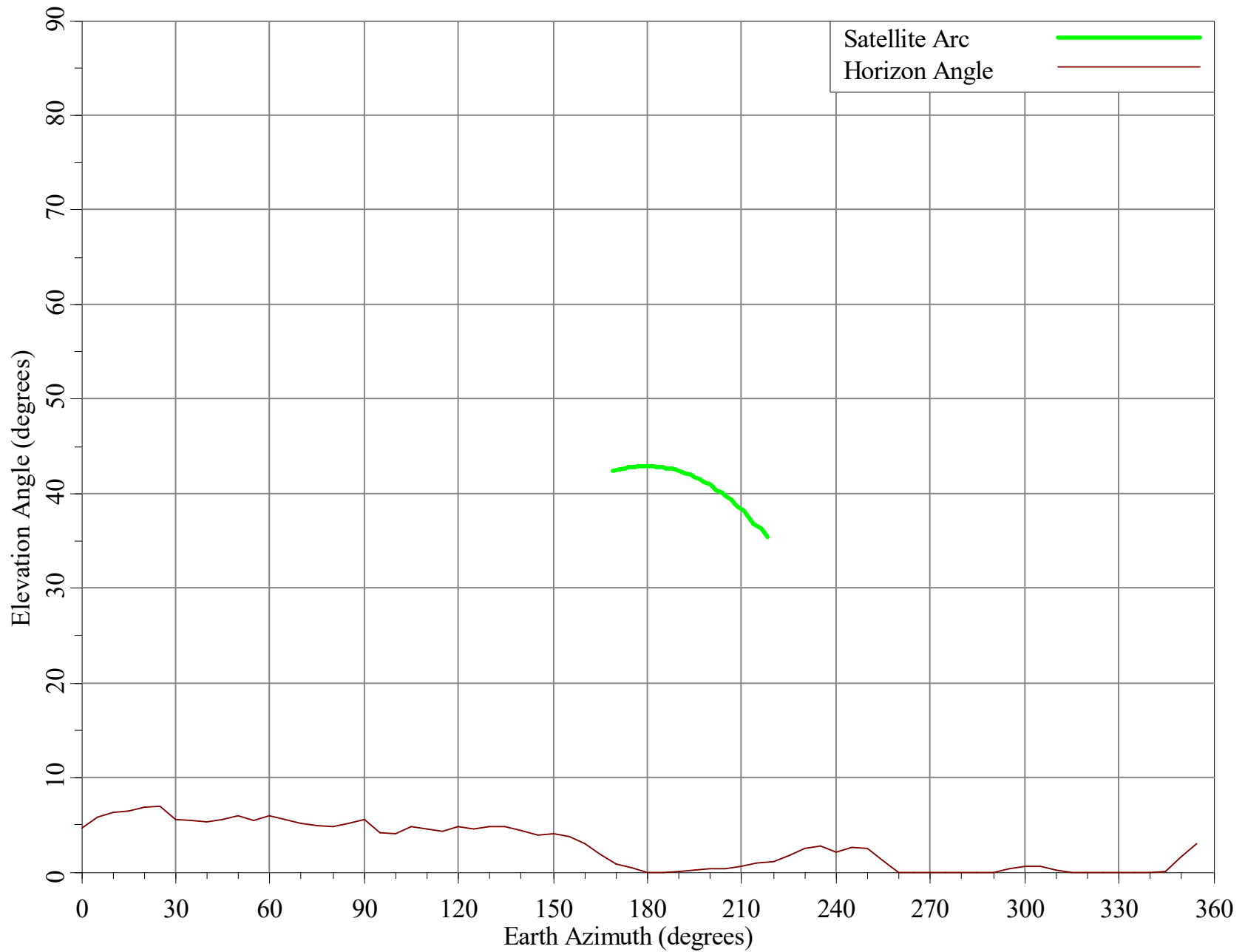
Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	DIGITAL	36M0G7W

Coordination Parameters Receive

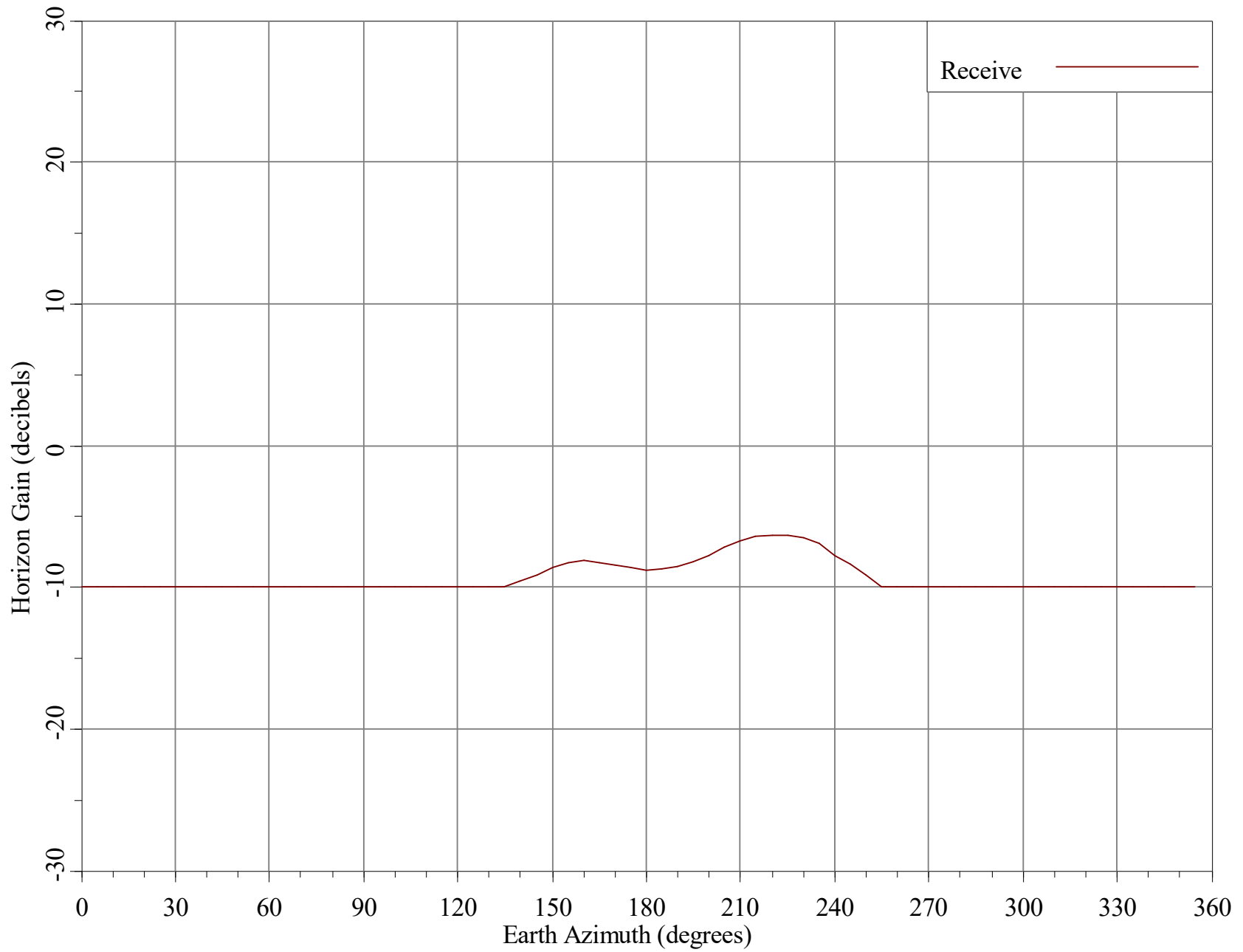
Max Greater Circle Distances	(km)	256.98
Max Rain Scatter Distances	(km)	137.85
Max Interference Power Long Term	(dbW)	-140.60
Max Interference Power Short Term	(dbW)	-118.40
Rain Zone / Radio Zone		5 A

Horizon Angle & Satellite Arc for Triad Center, UT

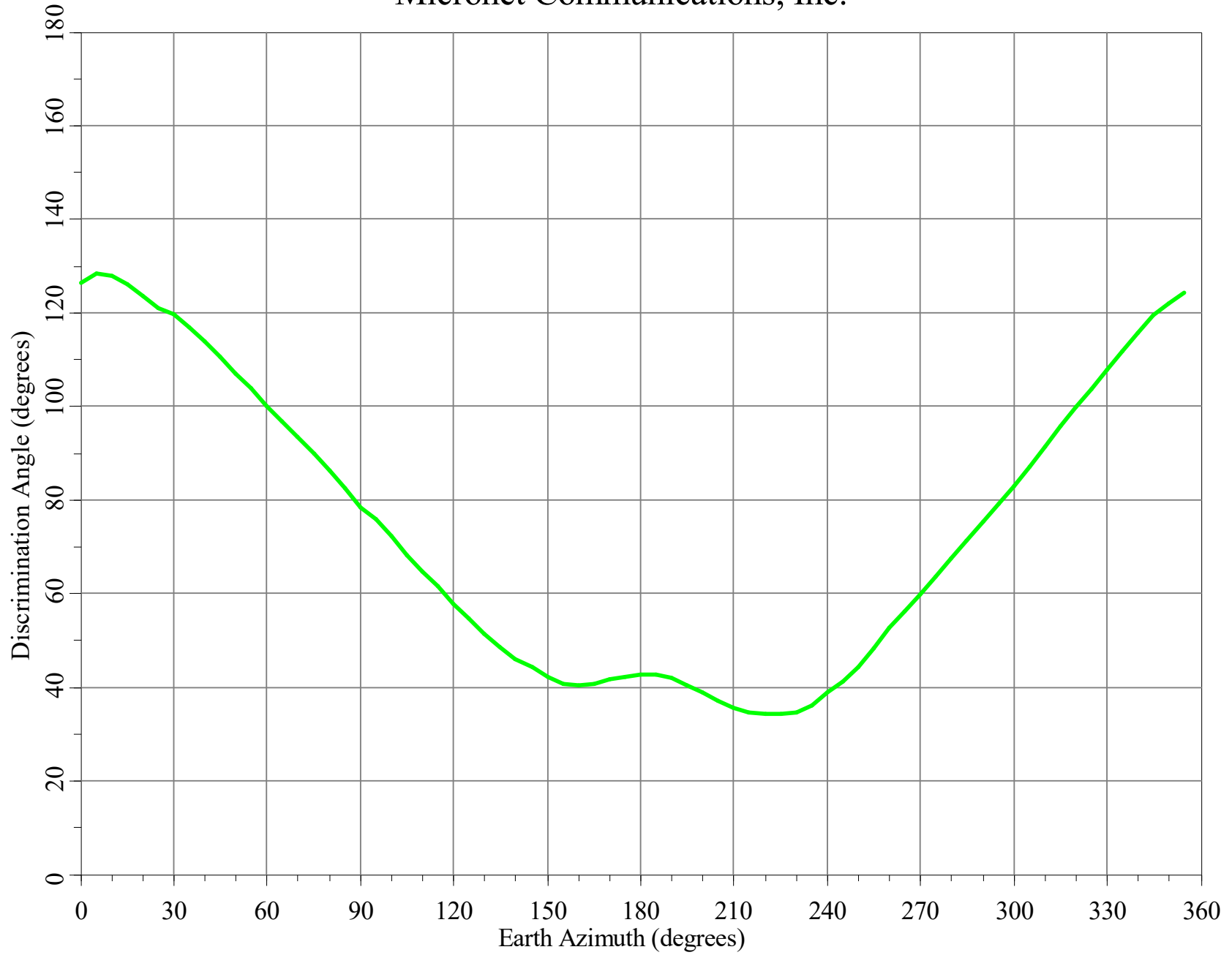
Micronet Communications, Inc.



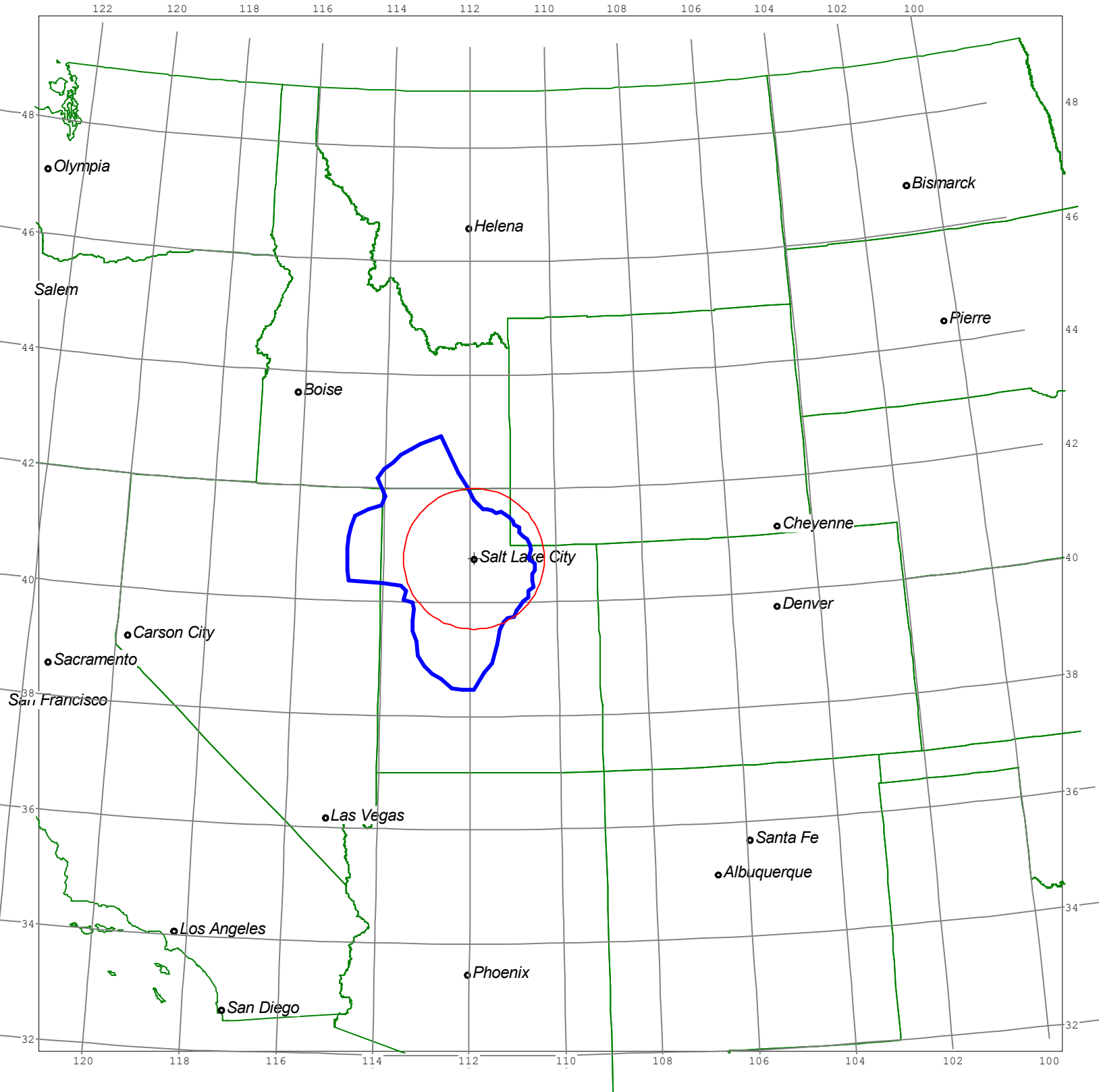
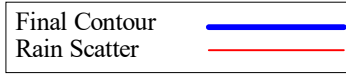
Horizon Gain for Triad Center, UT Micronet Communications, Inc.



Minimum Discrimination Angles for Triad Center, UT
Micronet Communications, Inc.



Final Contour & Rain Scatter for Triad Center, UT - Receive



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Company:	BONNEVILLE INTERNATIONAL CORPORATION		
Site Name, State:	Triad Center, UT		
Call Sign:			
Latitude	(NAD83)	40 46	12.0 N
Longitude	(NAD83)	111 54	3.0 W
Elevation AMSL	(ft/m)	4254.91	1296.90
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	61.00	177.00
Range of Azimuths from North	(deg)	117.95	253.14
Antenna Centerline	(ft/m)	9.84	3.00
Antenna Elevation Angles	(deg)	20.40	10.05

Equipment Parameters		Receive
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Antenna Gain, Main Beam	(dbI)	40.60
15 DB Half Beamwidth	(deg)	2.00

Antennas Receive: D H SATELLITE 3.0

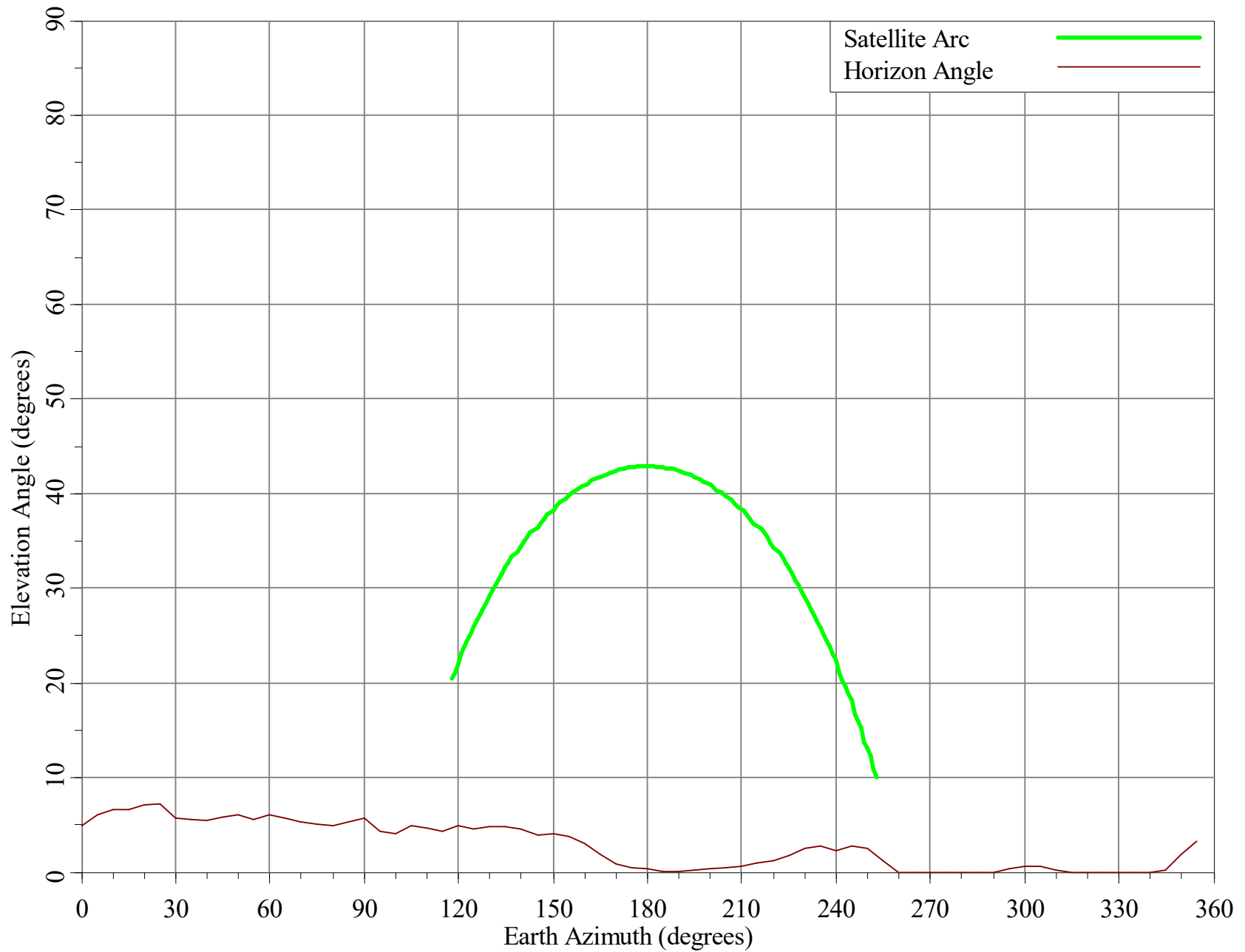
Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	DIGITAL	36M0G7W

Coordination Parameters		Receive
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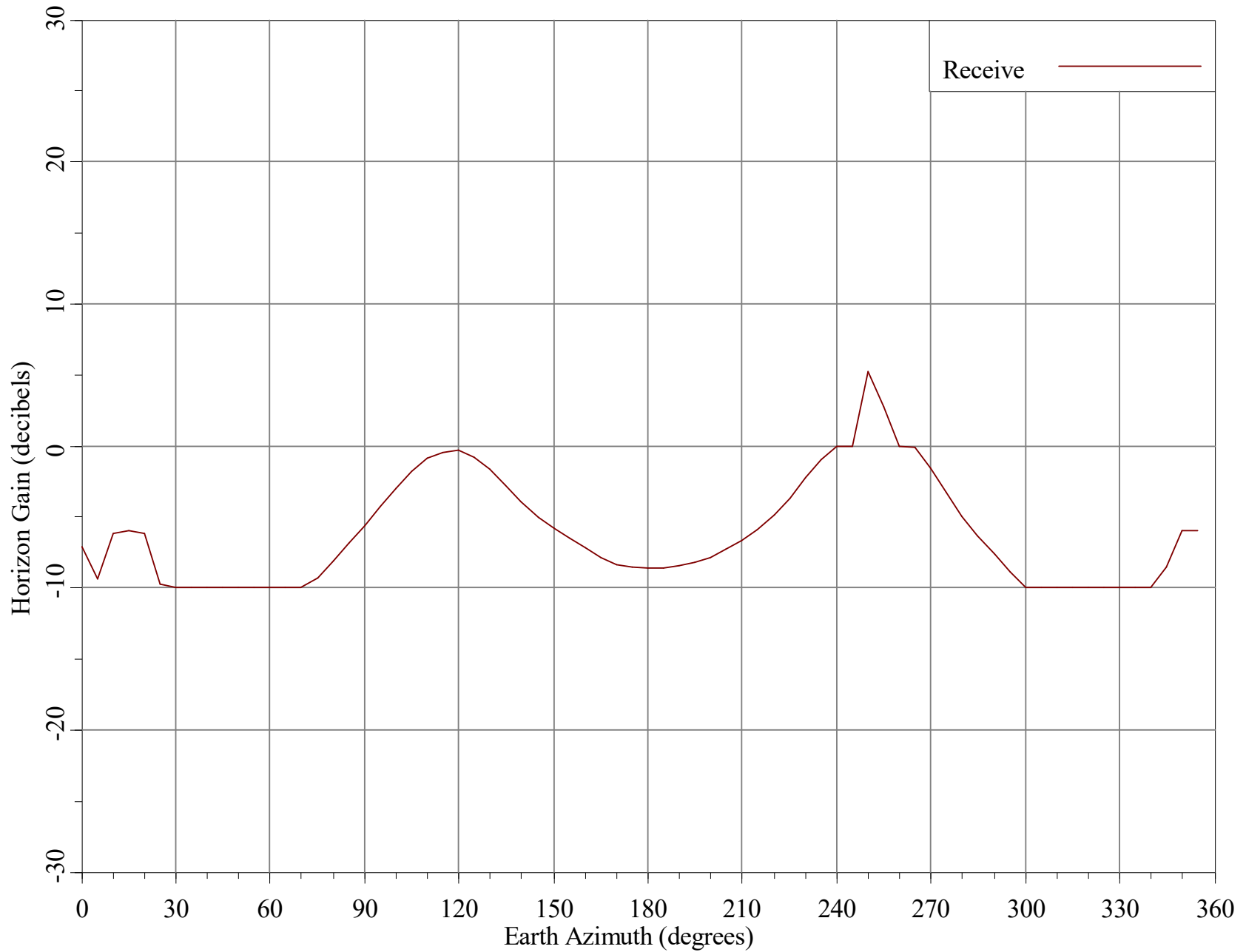
Max Greater Circle Distances	(km)	283.85	
Max Rain Scatter Distances	(km)	142.48	
Max Interference Power Long Term	(dbW)	-140.60	
Max Interference Power Short Term	(dbW)	-118.40	
Rain Zone / Radio Zone		5	A

Horizon Angle & Satellite Arc for Triad Center, UT

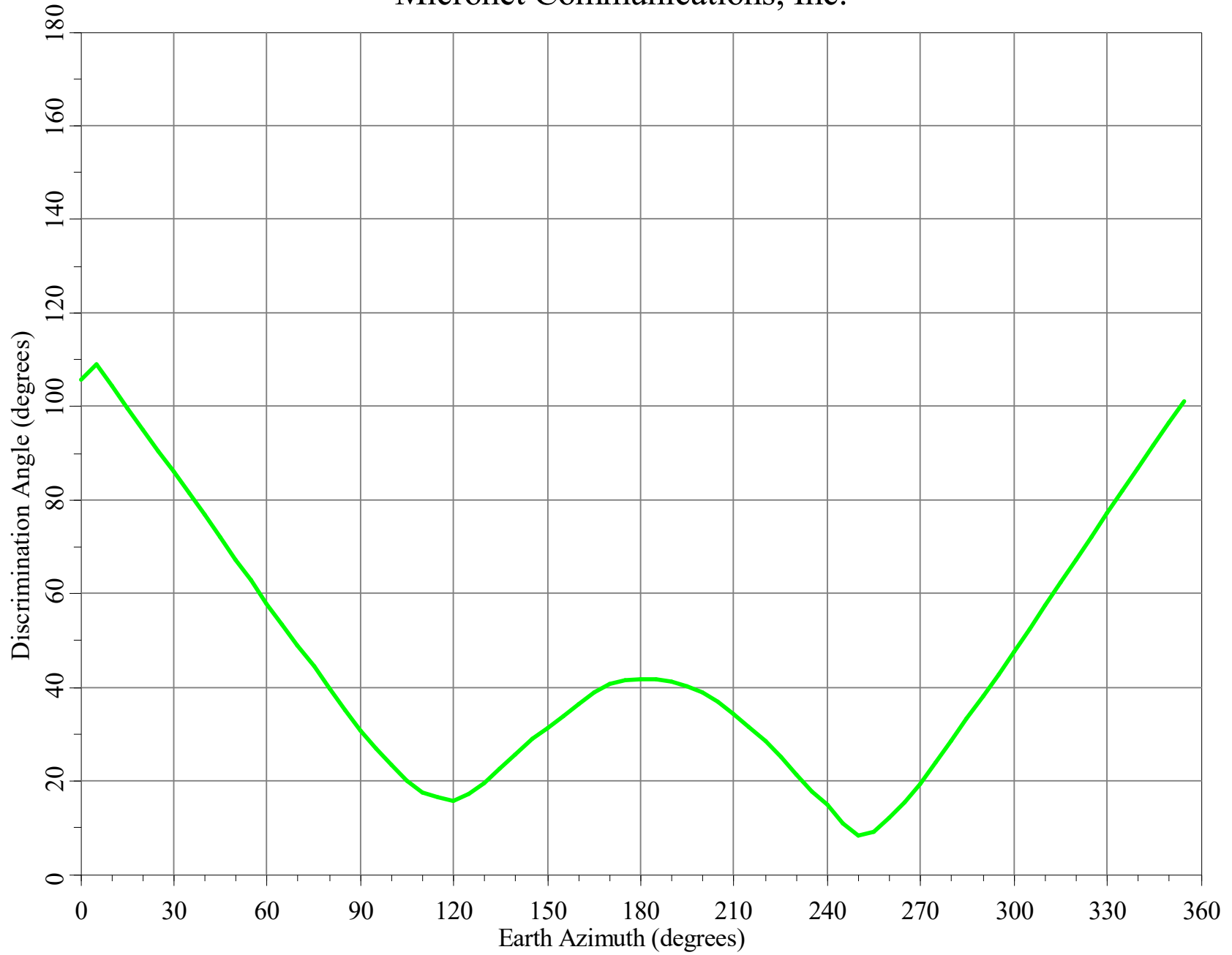
Micronet Communications, Inc.



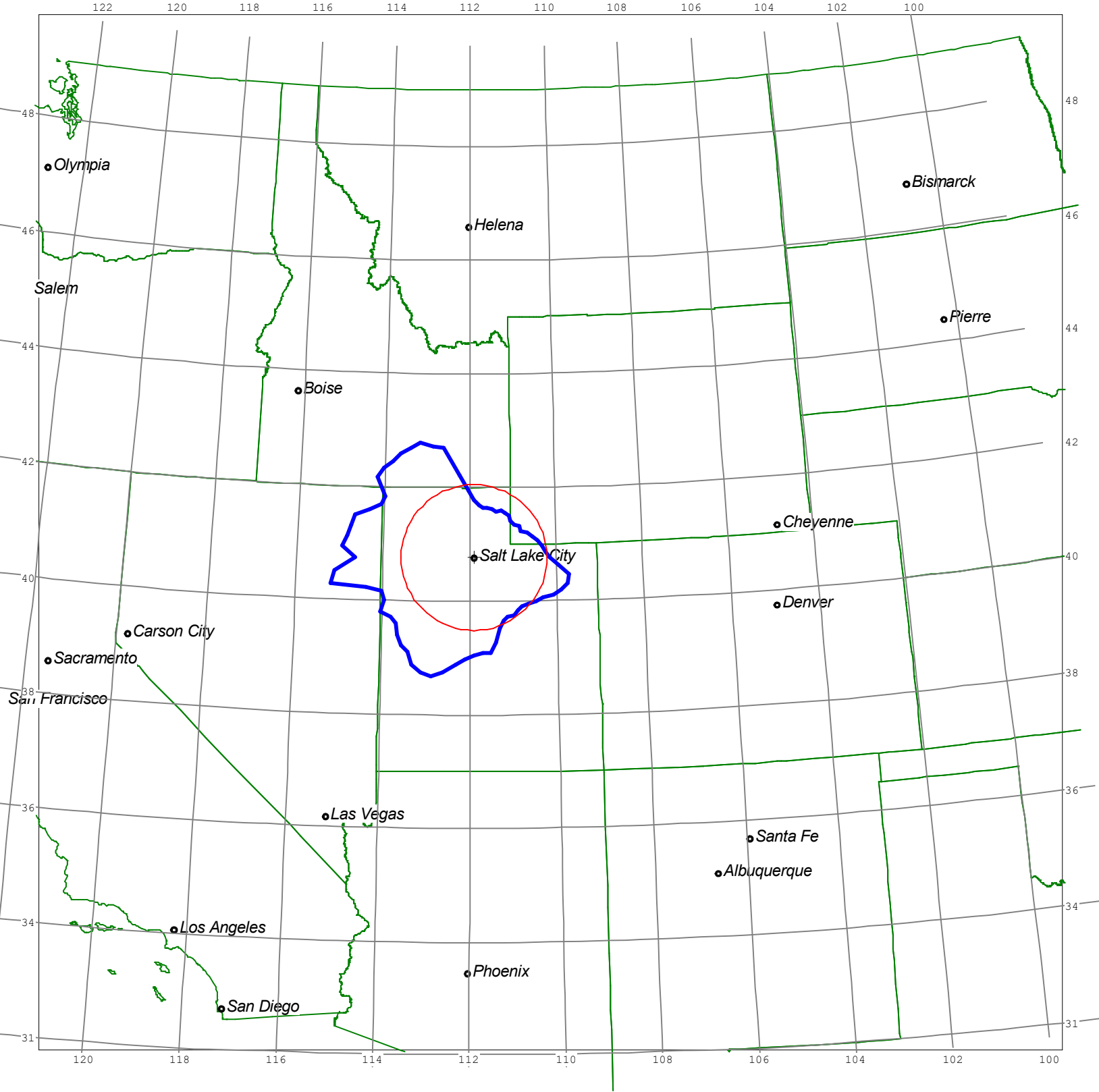
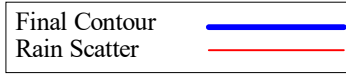
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Minimum Discrimination Angles for Triad Center, UT
Micronet Communications, Inc.



Final Contour & Rain Scatter for Triad Center, UT - Receive



SCALE - 1:10000000 1 inch = 157.8 miles

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Call Sign:			
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Longitude	(NAD83)	111 54	5.8 W
Elevation AMSL	(ft/m)	4254.91	1296.90
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	60.00	160.00
Range of Azimuths from North	(deg)	117.11	239.63
Antenna Centerline	(ft/m)	16.40	5.00
Antenna Elevation Angles	(deg)	19.69	22.36

Equipment Parameters Receive

Antenna Gain, Main Beam	(dbI)	44.50
15 DB Half Beamwidth	(deg)	1.00

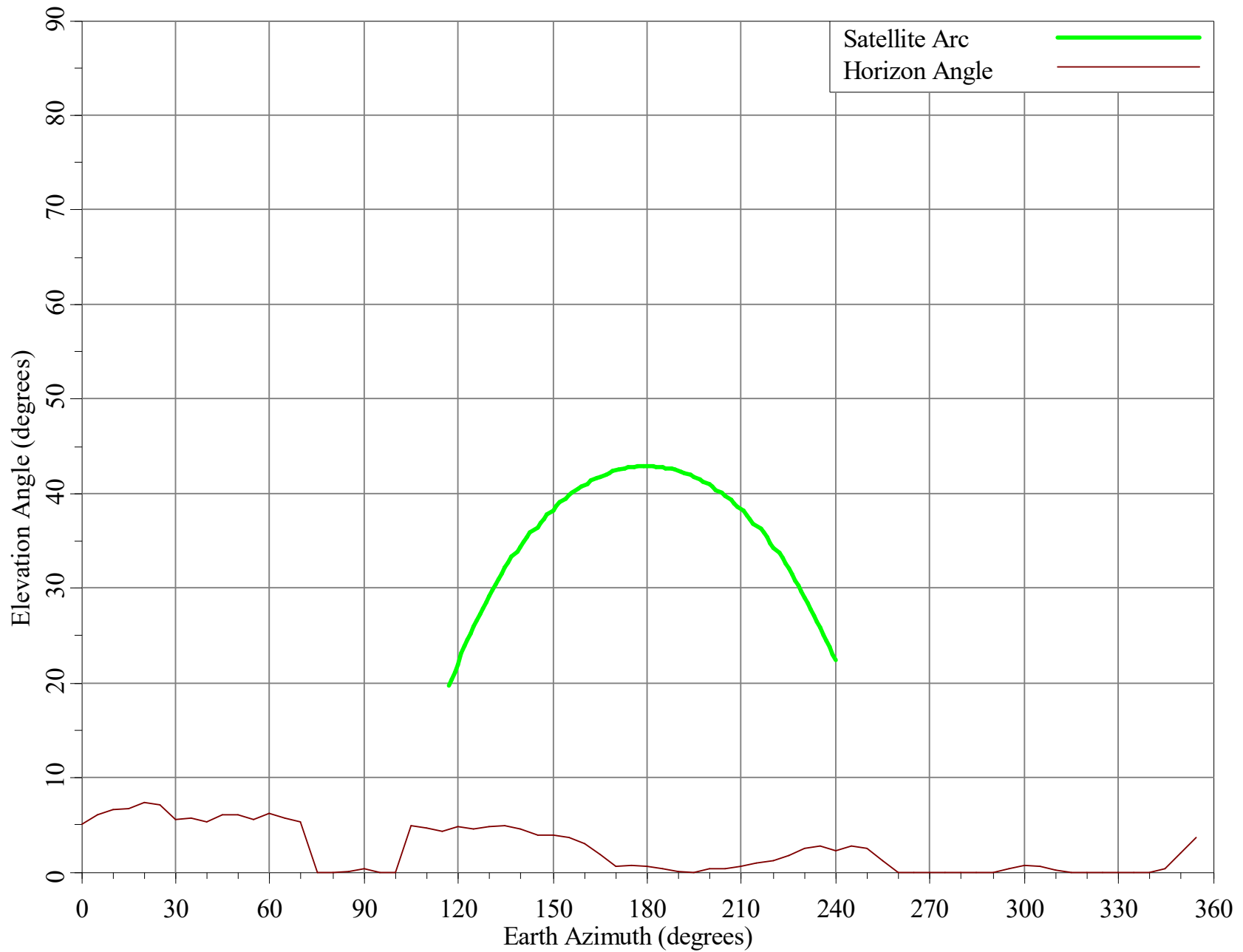
Antennas Receive: SIMULSAT 001

Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	DIGITAL	36M0G7W

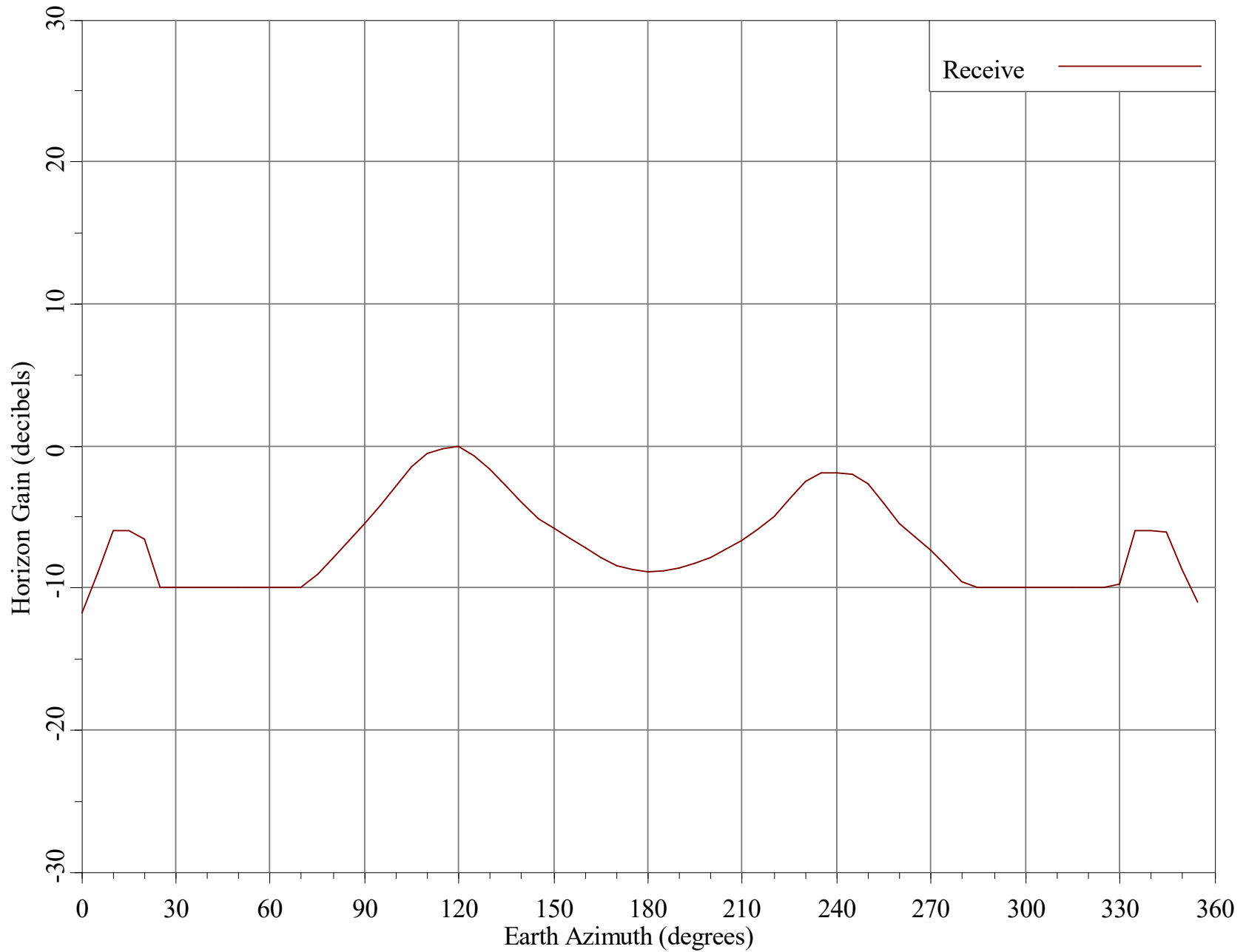
Coordination Parameters Receive

Max Greater Circle Distances	(km)	284.69	
Max Rain Scatter Distances	(km)	139.37	
Max Interference Power Long Term	(dbW)	-140.60	
Max Interference Power Short Term	(dbW)	-118.40	
Rain Zone / Radio Zone		5	A

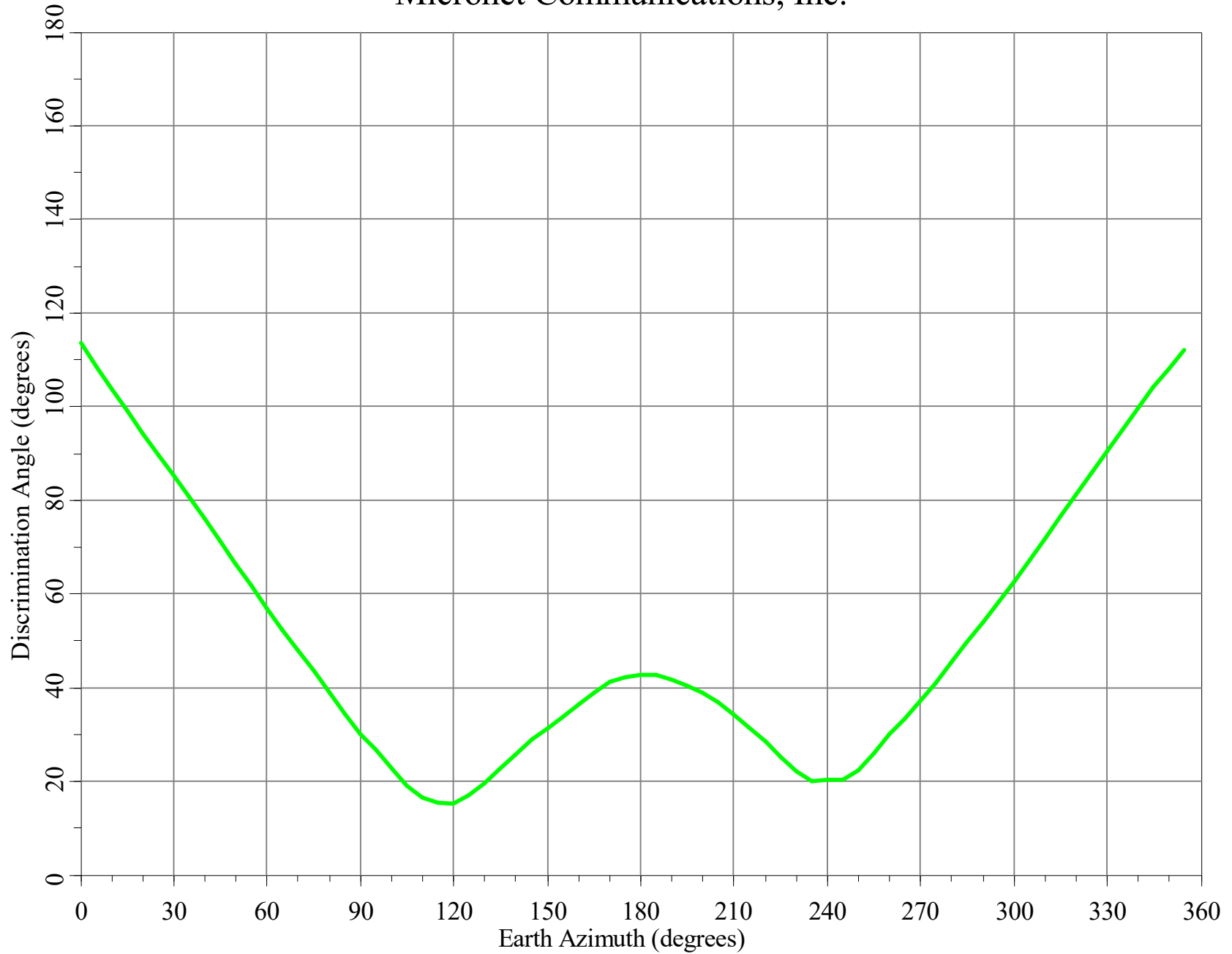
Horizon Angle & Satellite Arc for Triad Center, UT Micronet Communications, Inc.



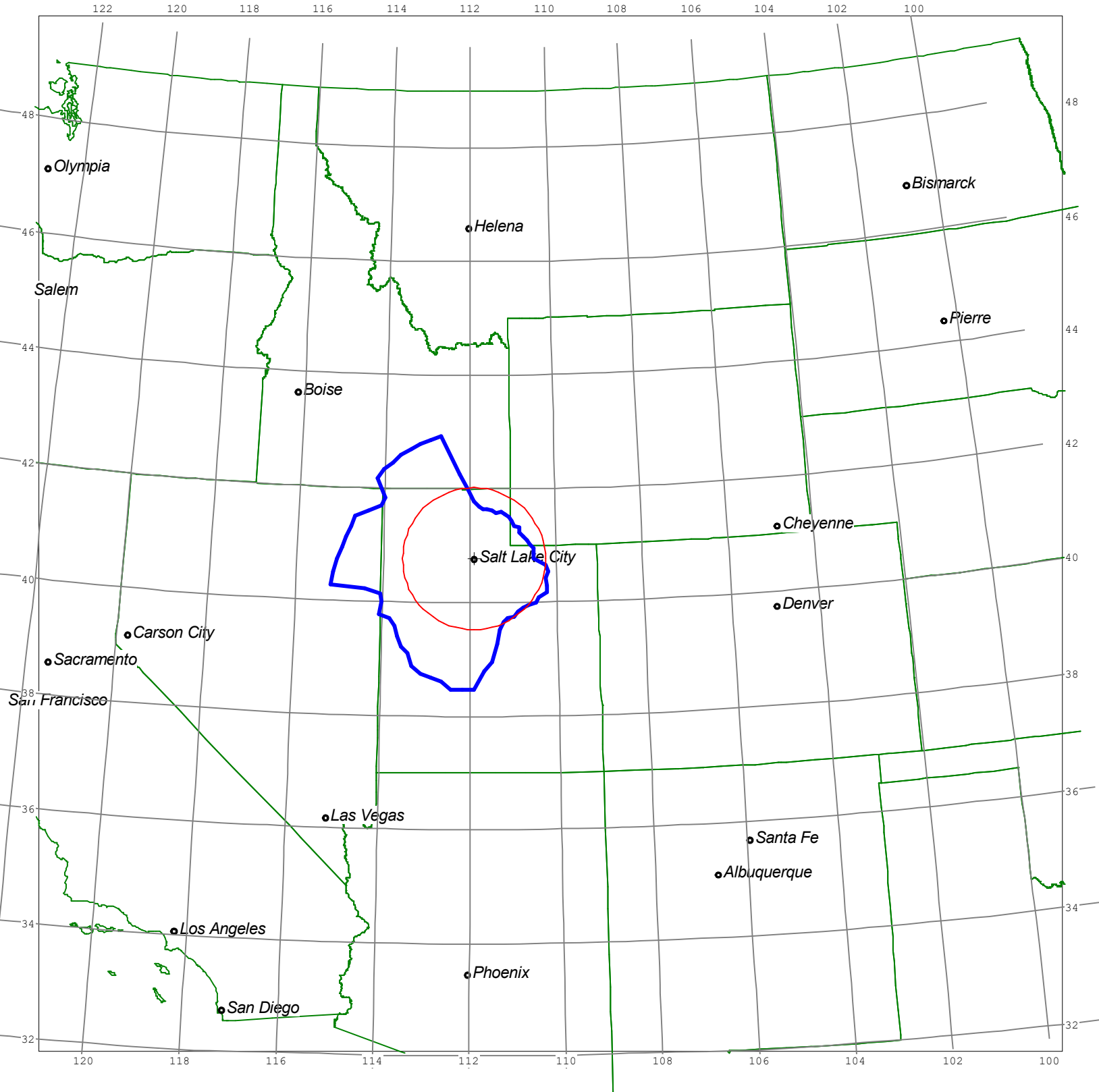
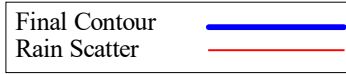
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Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	105.00	139.00
Range of Azimuths from North	(deg)	169.50	218.08
Antenna Centerline	(ft/m)	9.84	3.00
Antenna Elevation Angles	(deg)	42.35	35.32

Equipment Parameters Receive

Antenna Gain, Main Beam	(dbI)	39.50
15 DB Half Beamwidth	(deg)	1.70

Antennas Receive: SCIENTIFIC ATLANTA 8006 (3.0 METER)

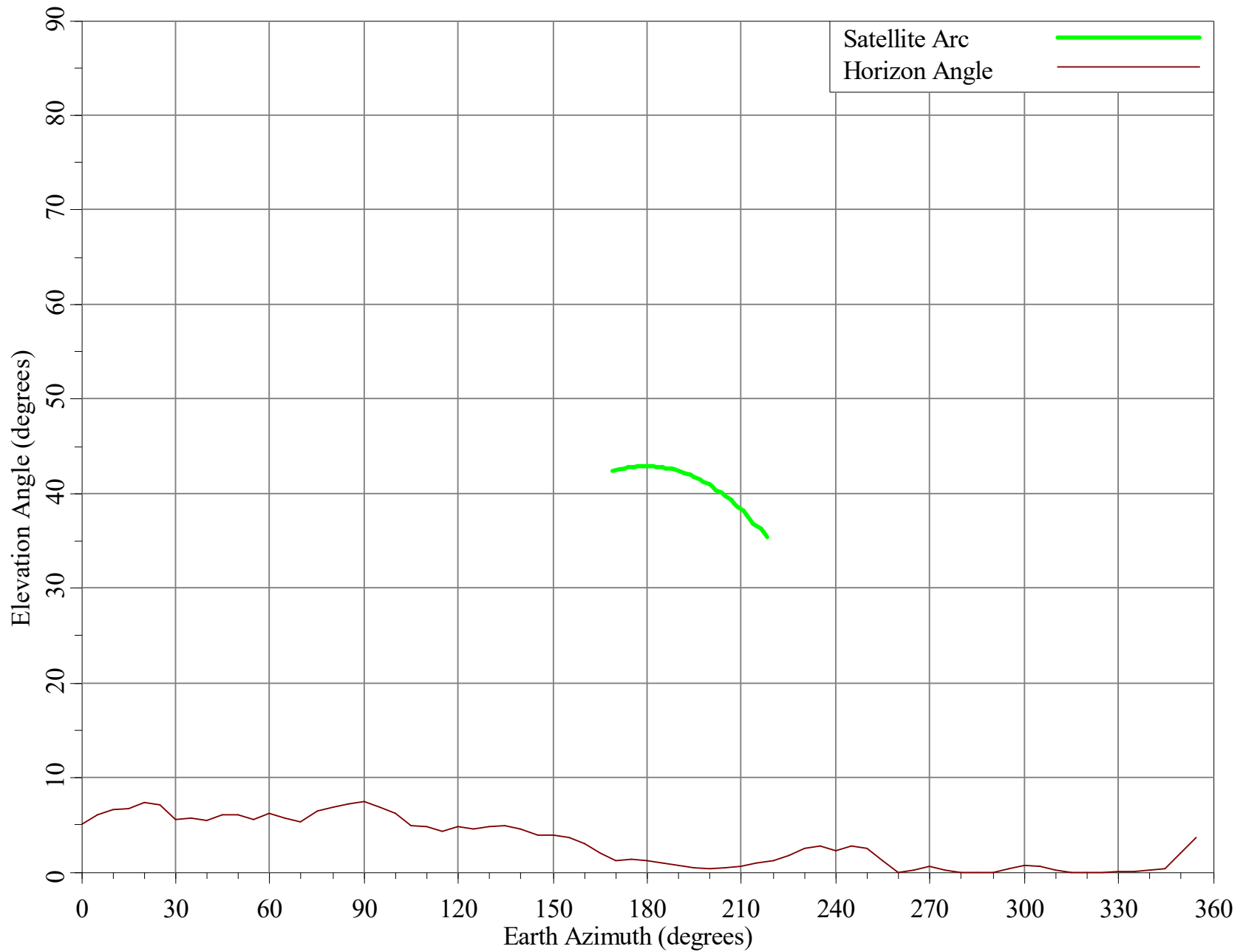
Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	DIGITAL	36M0G7W

Coordination Parameters Receive

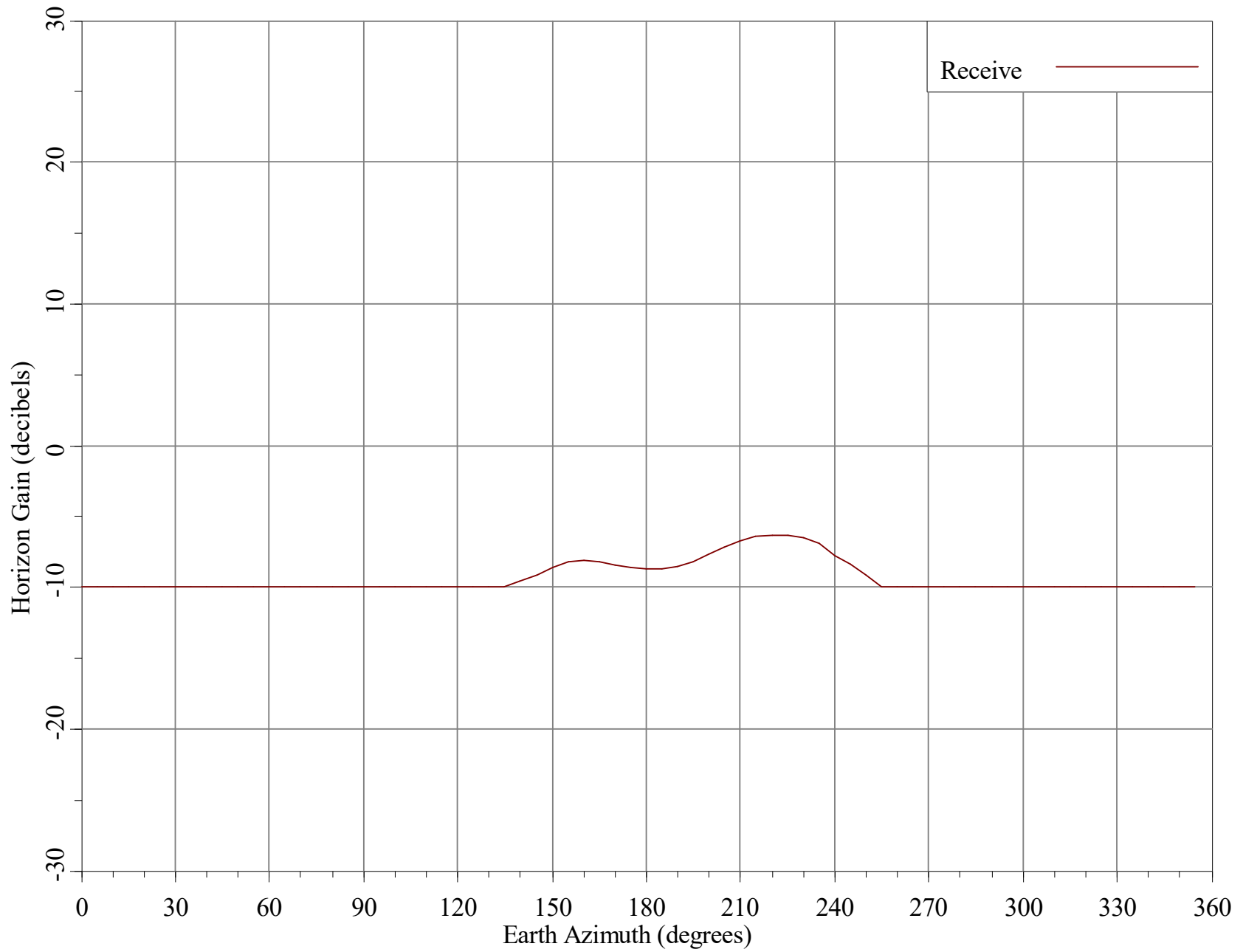
Max Greater Circle Distances	(km)	257.03	
Max Rain Scatter Distances	(km)	137.85	
Max Interference Power Long Term	(dbW)	-140.60	
Max Interference Power Short Term	(dbW)	-118.40	
Rain Zone / Radio Zone		5	A

Horizon Angle & Satellite Arc for Triad Center, UT

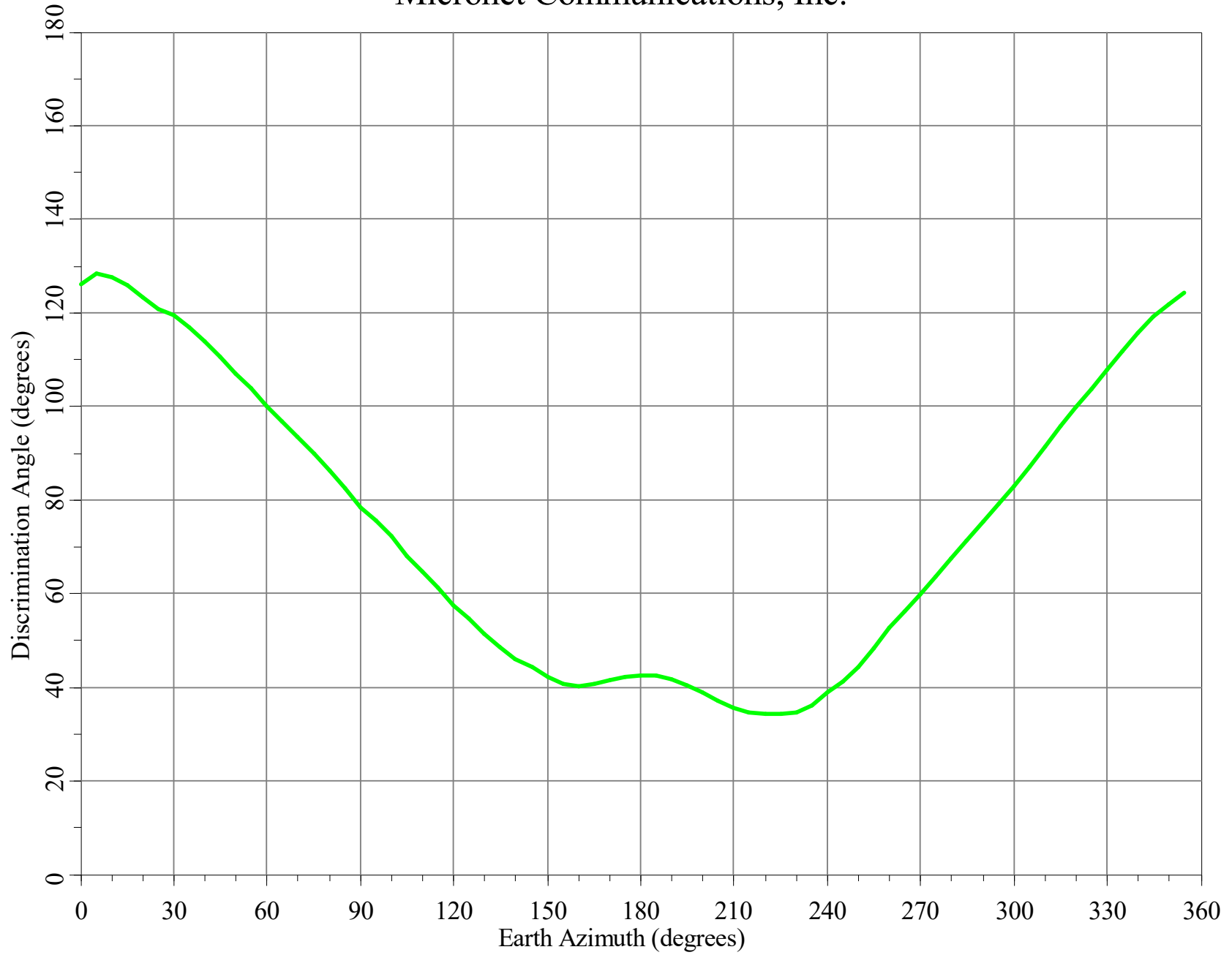
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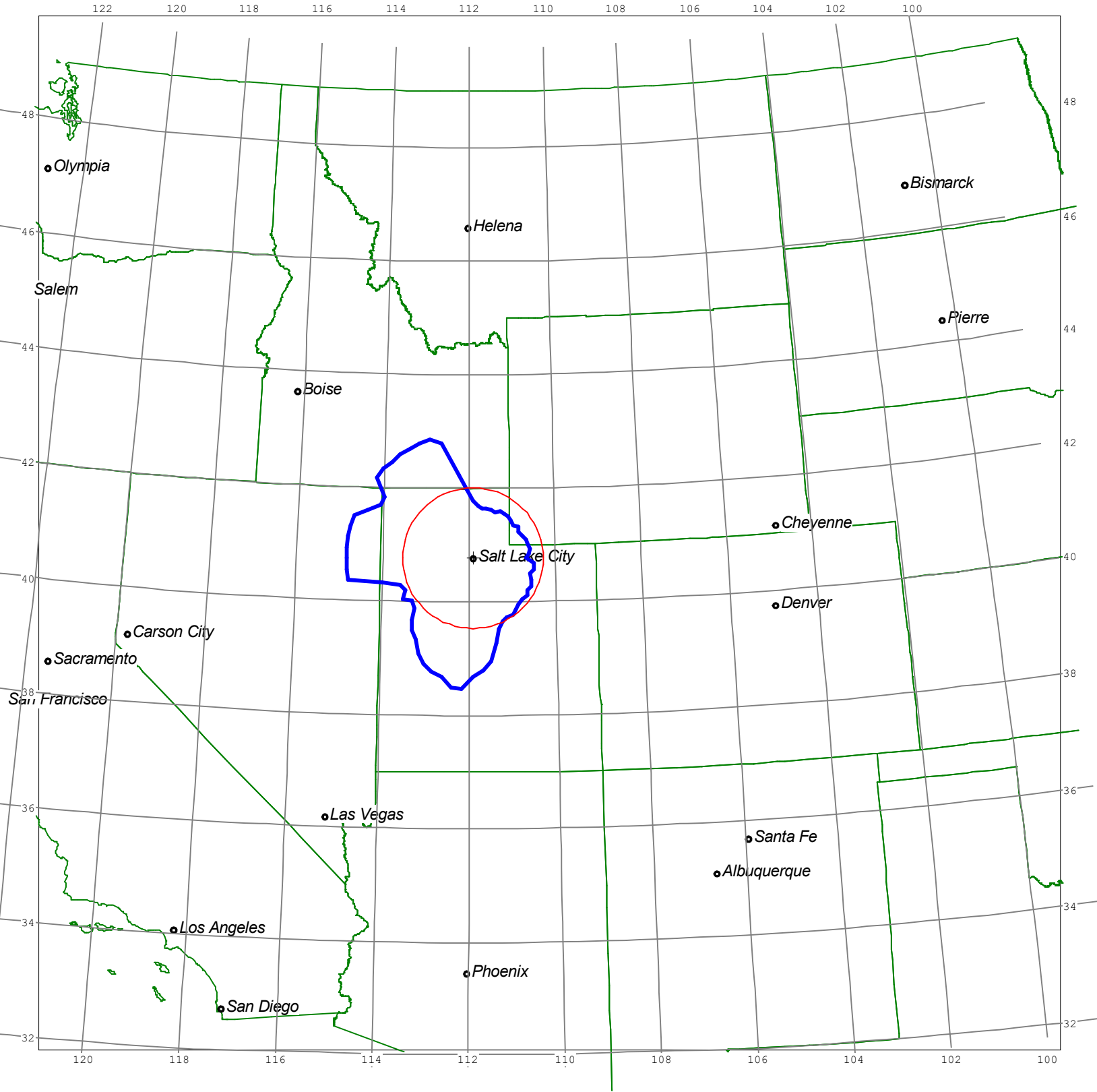
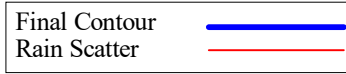
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