

Micronet Communications, Inc.

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: B1815210 3.70 GHz
Licensee: Eagle Communications, 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:

Hays Studio, KS

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:

07/05/2018 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:

Respectfully Submitted,



Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

Micronet Communications, Inc.
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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company:	Eagle Communications, Inc.		
Site Name, State:	Hays Studio, KS		
Call Sign:			
Latitude	(NAD83)	38 53	0.3 N
Longitude	(NAD83)	99 20	13.2 W
Elevation AMSL	(ft/m)	2030.84	619.00
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	72.00	139.00
Range of Azimuths from North	(deg)	140.53	232.87
Antenna Centerline	(ft/m)	5.58	1.70
Antenna Elevation Angles	(deg)	36.81	29.25

Equipment Parameters		Receive
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Antenna Gain, Main Beam	(dbI)	42.90
15 DB Half Beamwidth	(deg)	3.10

Antennas Receive: COMTECH 3.8 METER

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)	278.62	
Max Rain Scatter Distances	(km)	397.06	
Max Interference Power Long Term	(dbW)	-140.60	
Max Interference Power Short Term	(dbW)	-118.40	
Rain Zone / Radio Zone		2	A

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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company: Eagle Communications, Inc.
 Site Name, State: Hays Studio, KS
 Call Sign:
 Latitude (NAD83) 38 53 0.3 N
 Longitude (NAD83) 99 20 13.2 W
 Elevation AMSL (ft/m) 2030.84 619.00
 Receive Frequency Range (MHz) 3700-4200
 Transmit Frequency Range (MHz)
 Range of Satellite Orbital Long. (deg W) 72.00 139.00
 Range of Azimuths from North (deg) 140.53 232.87
 Antenna Centerline (ft/m) 5.58 1.70
 Antenna Elevation Angles (deg) 36.81 29.25

Equipment Parameters		Receive
Antenna Gain, Main Beam	(dbI)	42.90
15 DB Half Beamwidth	(deg)	3.10

Antennas Receive: COMTECH 3.8 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)	278.61
Max Rain Scatter Distances	(km)	397.06
Max Interference Power Long Term	(dbW)	-140.60
Max Interference Power Short Term	(dbW)	-118.40
Rain Zone / Radio Zone		2 A

MICRONET COMMUNICATIONS, INC.
07-05-2018

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Horizon Angle Horizon Gain Final Contour - 3.95 GHz RECEIVE ONLY
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Company: Eagle Communications Inc.

Site Name, State: Hays Studio, KS

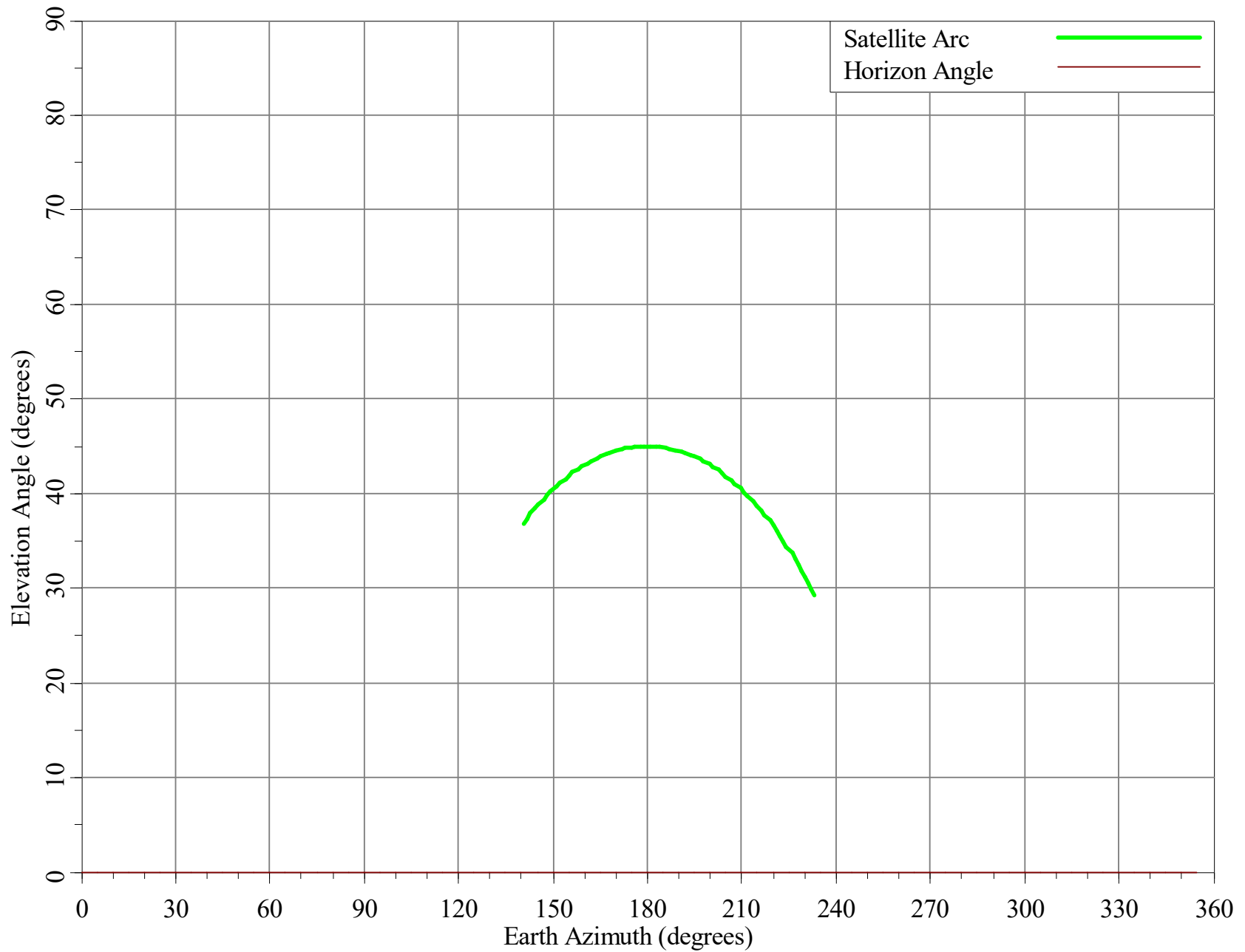
Call Sign:

Latitude (NAD83) 38 53 0.3 N Longitude (NAD83) 99 20 13.2 W

North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)	North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)
0	0.37	-15.31	221.9	180	0.05	-9.45	251.4
5	0.46	-15.90	217.1	185	0.09	-9.37	252.5
10	0.48	-15.20	216.1	190	0.10	-9.16	254.2
15	0.44	-13.71	217.9	195	0.13	-8.82	256.6
20	0.45	-11.85	217.7	200	0.18	-8.36	259.3
25	0.45	-9.93	217.6	205	0.25	-7.79	244.8
30	0.35	-7.39	223.5	210	0.46	-7.10	232.5
35	0.37	-6.00	221.9	215	0.50	-6.40	230.0
40	0.43	-6.00	218.5	220	0.49	-5.84	230.4
45	0.39	-6.65	220.9	225	0.54	-5.38	225.3
50	0.33	-9.82	224.8	230	0.54	-5.07	222.8
55	0.37	-10.00	222.1	235	0.59	-5.03	217.2
60	0.35	-10.00	223.4	240	0.56	-5.31	216.3
65	0.33	-10.00	224.7	245	0.55	-5.75	213.8
70	0.28	-10.00	228.2	250	0.55	-6.30	212.7
75	0.27	-10.00	228.7	255	0.67	-6.96	206.4
80	0.21	-10.00	233.1	260	0.59	-7.78	210.6
85	0.09	-10.00	250.2	265	0.46	-8.68	217.2
90	0.05	-10.00	255.1	270	0.46	-9.63	216.8
95	0.00	-10.00	260.2	275	0.47	-10.00	216.5
100	0.00	-10.00	265.2	280	0.47	-10.00	216.6
105	0.00	-10.00	269.5	285	0.34	-10.00	223.9
110	0.00	-9.84	273.4	290	0.04	-10.00	247.3
115	0.00	-9.14	276.6	295	0.07	-10.00	247.3
120	0.00	-8.52	278.6	300	0.13	-10.00	247.3
125	0.00	-8.02	278.3	305	0.16	-10.00	247.3
130	0.00	-7.64	276.2	310	0.17	-10.00	247.3
135	0.00	-7.39	272.8	315	0.22	-10.00	232.4
140	0.00	-7.30	268.8	320	0.21	-10.00	232.9
145	0.00	-7.36	264.3	325	0.28	-8.62	228.4
150	0.00	-7.57	260.1	330	0.36	-6.00	222.4
155	0.00	-7.93	256.9	335	0.40	-6.00	220.1
160	0.00	-8.40	254.4	340	0.49	-6.43	215.6
165	0.02	-8.85	252.6	345	0.44	-9.31	217.9
170	0.03	-9.18	251.5	350	0.35	-11.63	223.6
175	0.04	-9.39	251.1	355	0.41	-13.71	219.6

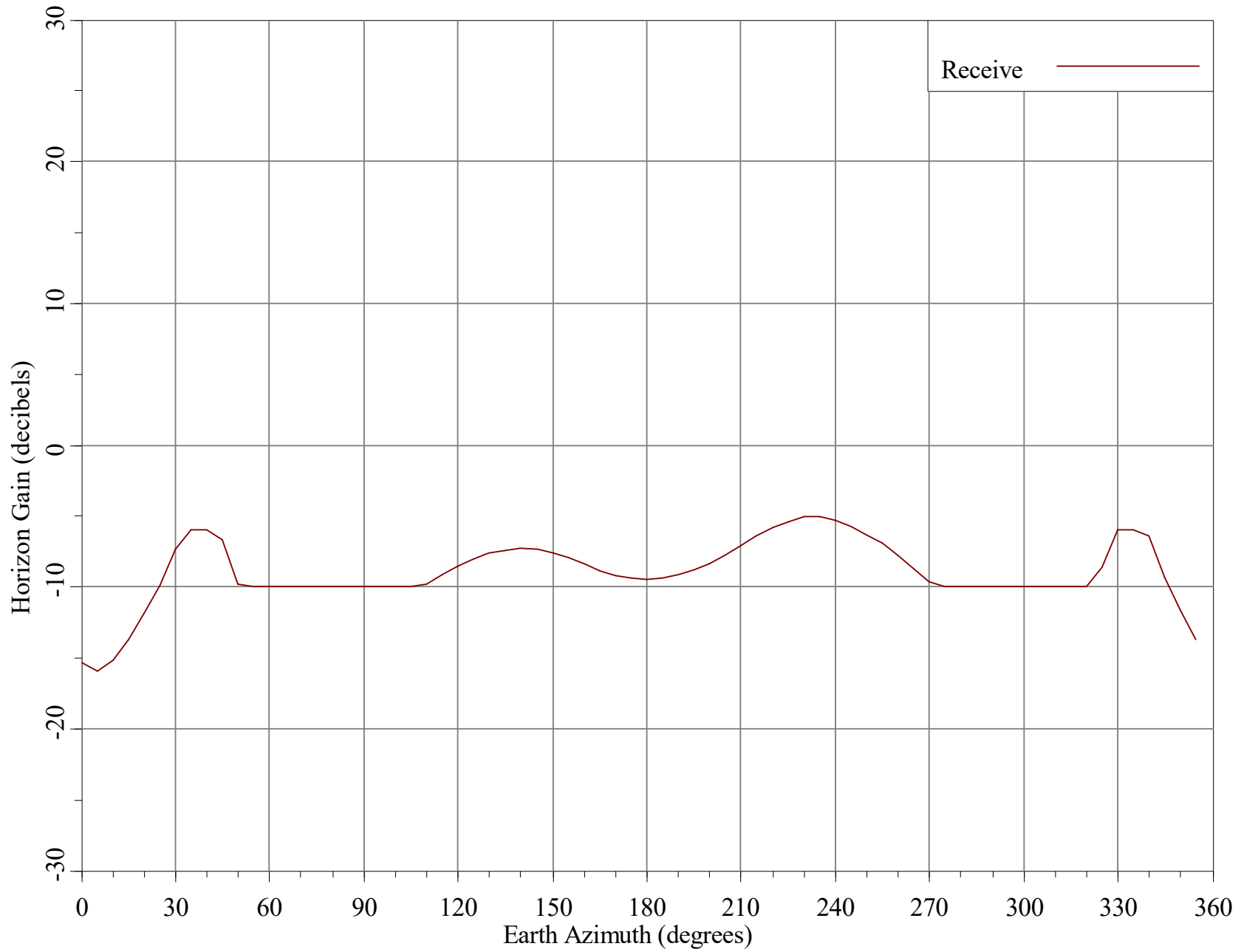
Horizon Angle & Satellite Arc for Hays Studio, KS

Micronet Communications, Inc.

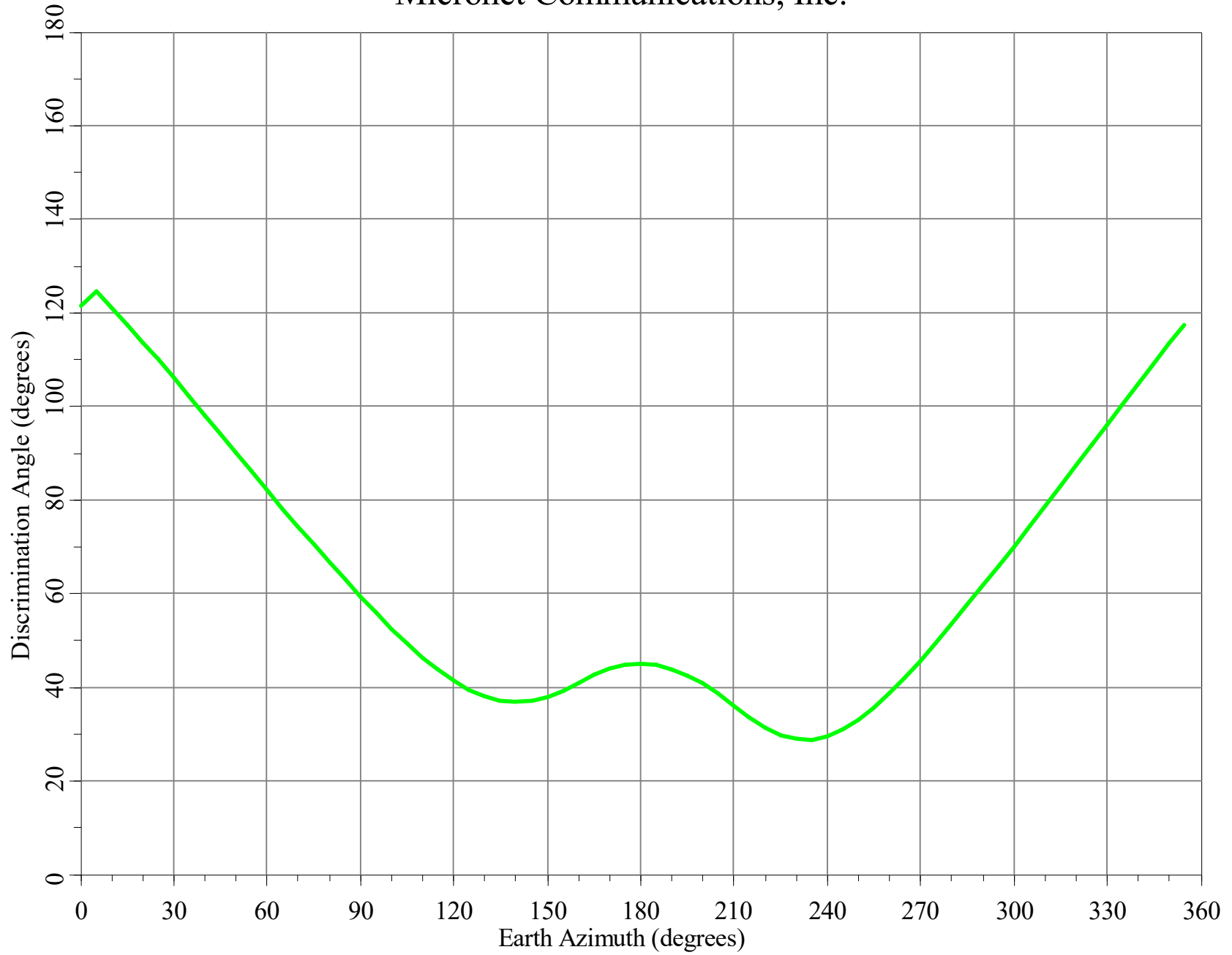


Horizon Gain for Hays Studio, KS

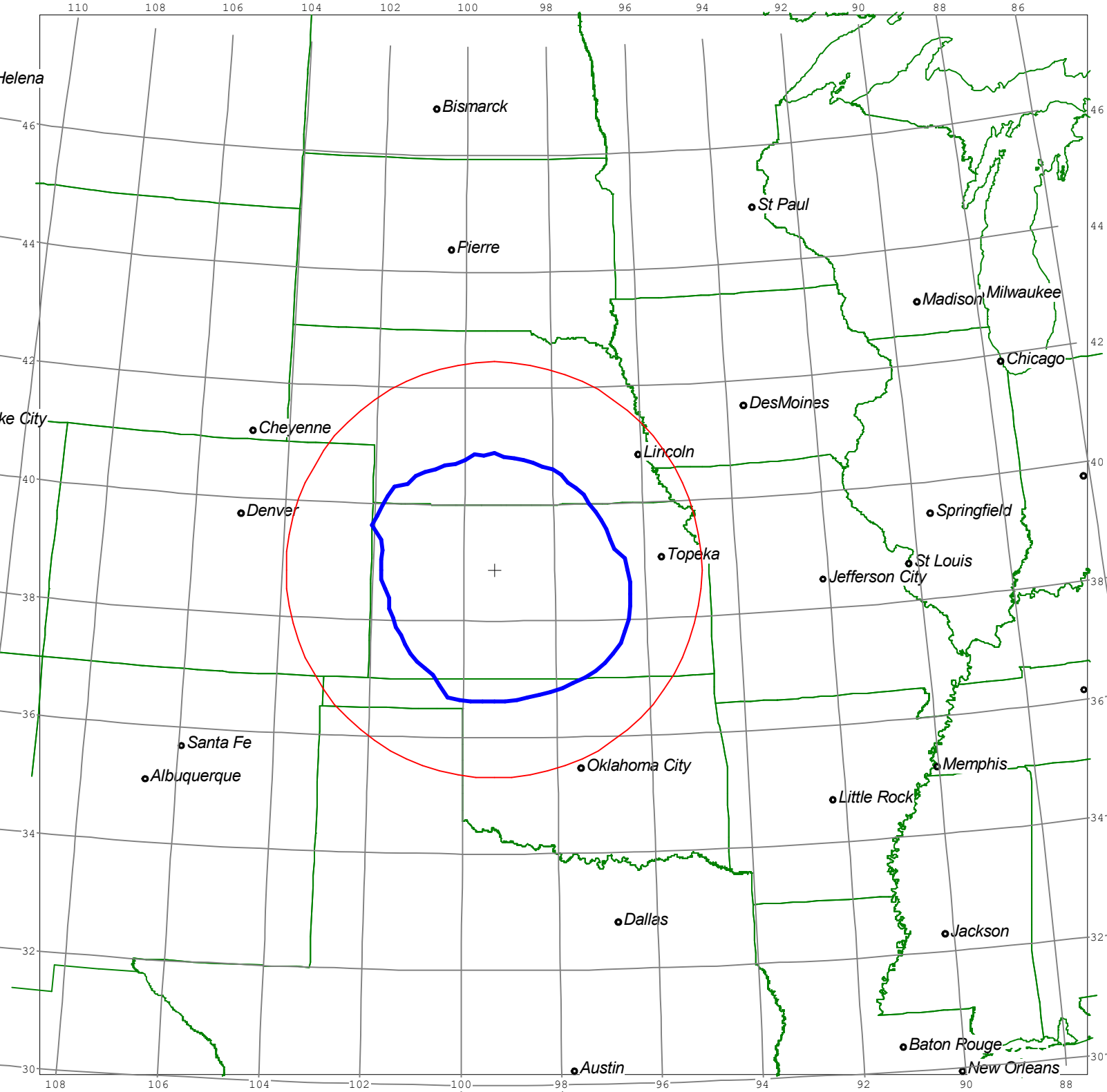
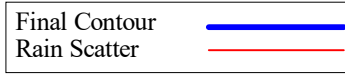
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Minimum Discrimination Angles for Hays Studio, KS
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Final Contour & Rain Scatter for Hays Studio, KS - Receive



SCALE - 1:10000000 1 inch = 157.8 miles