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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1511010 5.93 GHz
Licensee: AUGUSTA RADIO FELLOWSHIP INSTITUTE INC

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:

Appling, GA

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:

04/27/2015 Original PCN (Expedited response requested by 05/20/2015)
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:

ATG COMMUNICATIONS LLC
BALDWIN COUNTY SHERIFFS OFFICE
COMSEARCH INC
CONTERRA ULTRA BROADBAND LLC
GEORGIA PUBLIC WEB INC
GREENE COUNTY EOC/E-911
MICRONET COMMUNICATIONS INC
NEW CINGULAR WIRELESS PCS LLC
NEW CINGULAR WIRELESS PCS LLC - GEORGIA
NEW CINGULAR WIRELESS PCS LLC - WV/NC/SC
NORTHEASTERN GEORGIA RSA LIMITED PARTNERSHIP
OCONEE COUNTY SHERIFFS OFFICE
SANTEE COOPER
SOUTH CAROLINA PUBLIC SERVICE AUTHORITY
SOUTHERN COMPANY SERVICES INC
SPRINTCOM INC
T-MOBILE LICENSE LLC
TRI-COUNTY ELECTRIC COOPERATIVE
UNITED TELEPHONE COMPANY OF THE CAROLINAS
VERIZON WIRELESS (VAW) LLC
VERIZON WIRELESS (VAW) LLC (GEORGIA)
VERIZON WIRELESS (VAW) LLC - NC,SC,TN
VERIZON WIRELESS OF THE EAST LP (GA)
VERIZON WIRELESS OF THE EAST LP (SC)

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SUPPLEMENTAL SHOWING PART 101.103(D)

Respectfully Submitted,

Jeremy B. Lewis

Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

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

File: M1511010

TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

Company:		AUGUSTA RADIO FELLOWSHIP INSTITUTE INC	
Site Name, State:		Appling, GA	
Call Sign:			
Latitude	(NAD83)	33 32 13.0 N	
Longitude	(NAD83)	82 16 16.0 W	
Elevation AMSL	(ft/m)	383.80	116.98
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long.	(deg W)	43.00	139.00
Range of Azimuths from North	(deg)	124.05	250.07
Antenna Centerline	(ft/m)	8.53	2.60
Antenna Elevation Angles	(deg)	32.91	19.01

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	41.90	45.90
15 DB Half Beamwidth	(deg)	2.00	1.00
Antennas	Receive: PRODELIN 1385 (3.8M)		
	Transmit: PRODELIN 1385 (3.8M)		
Max Transmitter Power	(dbW/4KHz)		-14.95
Max EIRP Main Beam	(dbW/4KHz)		30.95
Modulation / Emission Designator	DIGITAL	500KG7W	

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	324.57	164.45
Max Rain Scatter Distances	(km)	521.31	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		1	A

MICRONET COMMUNICATIONS, INC.
04-27-2015

File: M1511010 page 1

Horizon Angle Horizon Gain Final Contour - 6.17 GHz TRANSMIT

Company: AUGUSTA RADIO FELLOWSHIP INSTITUTE INC

Site Name, State: Appling, GA

Call Sign:

Latitude (NAD83) 33 32 13.0 N Longitude (NAD83) 82 16 16.0 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	1.45	-13.49	100.0	180	3.95	-10.00	100.0
5	1.35	-17.31	100.0	185	4.06	-10.00	100.0
10	1.26	-14.29	100.0	190	4.06	-10.00	100.0
15	1.18	-11.00	100.0	195	4.06	-10.00	100.0
20	1.09	-10.00	100.0	200	4.06	-10.00	100.0
25	1.01	-10.00	100.0	205	4.06	-10.00	100.0
30	0.92	-10.00	100.0	210	4.06	-10.00	100.0
35	0.82	-10.00	100.0	215	4.06	-9.71	100.0
40	0.71	-10.59	100.5	220	4.06	-6.52	100.0
45	0.61	-12.36	104.1	225	4.06	-4.50	100.0
50	0.48	-13.00	108.8	230	4.06	-3.56	100.0
55	0.38	-13.00	112.3	235	4.06	-2.59	100.0
60	0.30	-13.00	116.1	240	4.06	-1.77	100.0
65	0.22	-13.00	121.6	245	4.06	-1.20	100.0
70	0.16	-13.00	135.6	250	4.06	-1.00	100.0
75	0.11	-13.00	139.3	255	4.06	-1.19	100.0
80	0.08	-11.91	143.4	260	4.06	-1.75	100.0
85	0.06	-10.13	148.1	265	4.06	-2.57	100.0
90	0.05	-10.00	154.0	270	4.13	-3.53	100.0
95	0.11	-10.00	159.8	275	4.24	-4.59	100.0
100	0.20	-10.00	164.5	280	4.33	-7.68	100.0
105	0.28	-10.00	151.0	285	4.42	-10.00	100.0
110	0.36	-10.00	144.9	290	4.50	-10.00	100.0
115	0.44	-8.56	137.5	295	4.57	-10.00	100.0
120	0.39	-7.73	134.6	300	4.62	-10.87	100.0
125	0.55	-7.36	122.1	305	4.66	-13.00	100.0
130	0.58	-7.80	117.1	310	4.67	-13.00	100.0
135	0.63	-8.88	113.0	315	4.67	-13.00	100.0
140	0.75	-10.00	106.3	320	4.65	-13.00	100.0
145	0.79	-10.00	103.2	325	4.61	-13.00	100.0
150	0.84	-10.00	100.0	330	4.55	-13.00	100.0
155	0.91	-10.00	100.0	335	4.48	-10.96	100.0
160	1.01	-10.00	100.0	340	4.39	-10.00	100.0
165	1.12	-10.00	100.0	345	4.29	-10.00	100.0
170	1.25	-10.00	100.0	350	4.18	-10.00	100.0
175	1.39	-10.15	100.0	355	4.06	-10.00	100.0

Horizon Angle Horizon Gain Final Contour - 3.95 GHz RECEIVE

Company: AUGUSTA RADIO FELLOWSHIP INSTITUTE INC

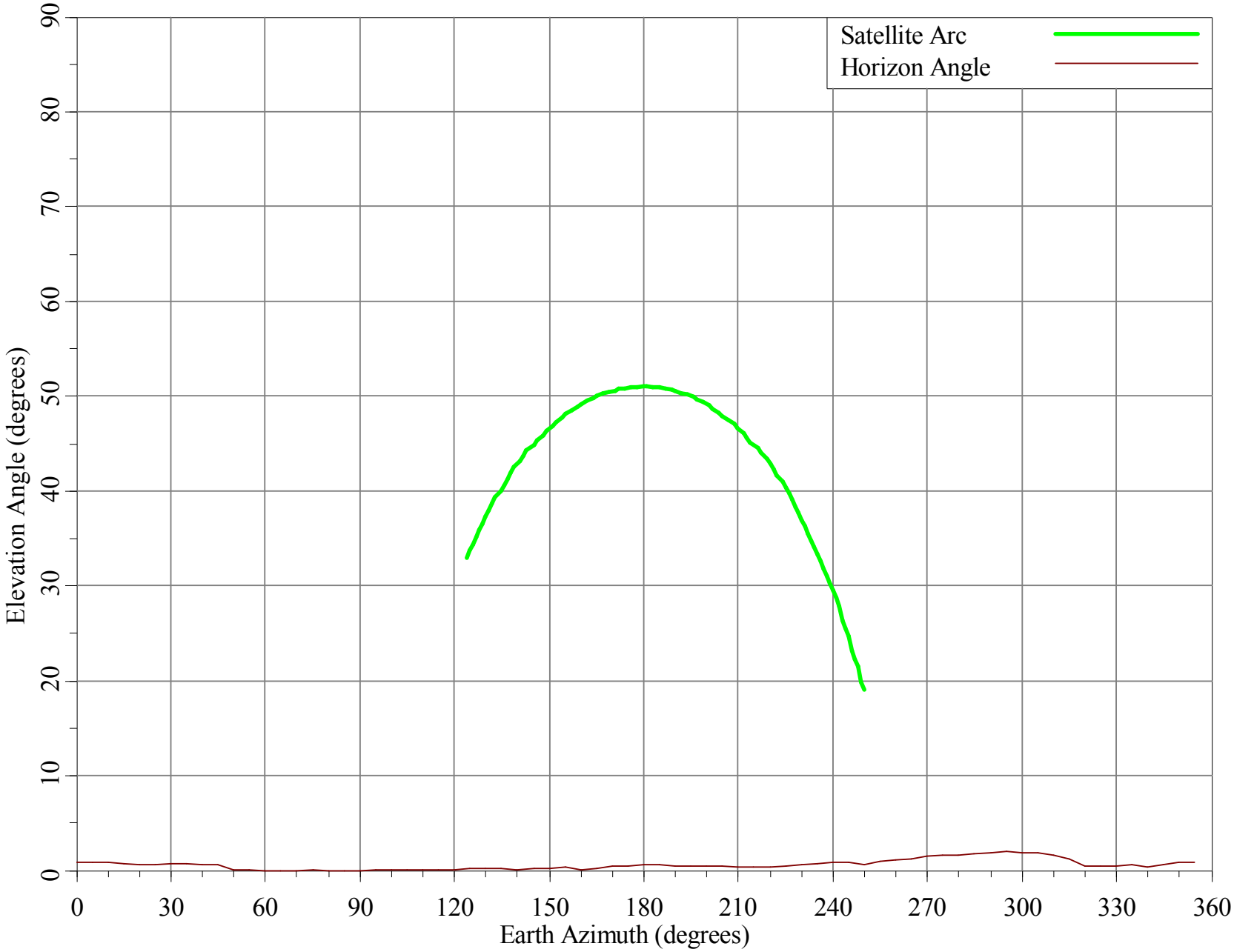
Site Name, State: Appling, GA

Call Sign:

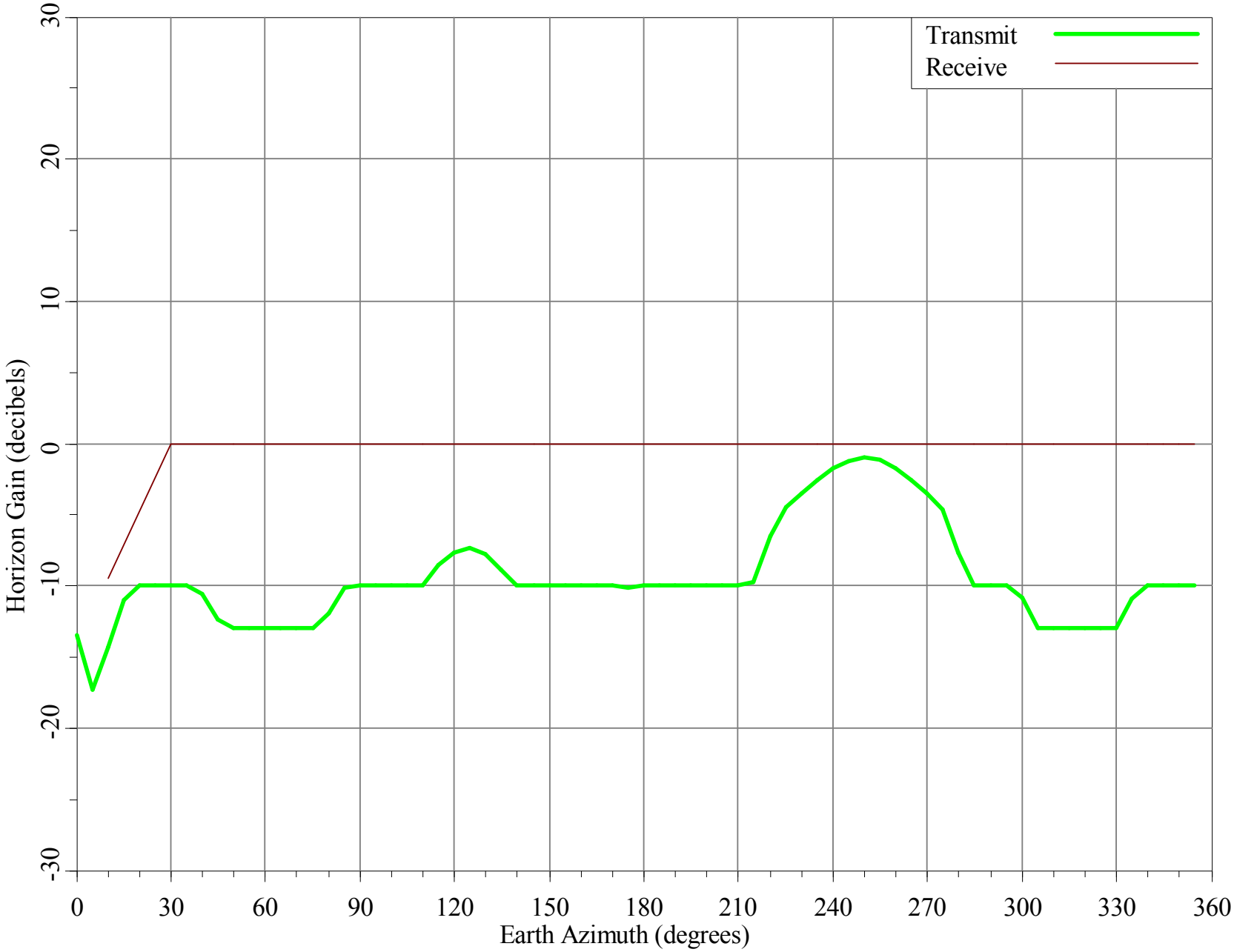
Latitude (NAD83) 33 32 13.0 N Longitude (NAD83) 82 16 16.0 W

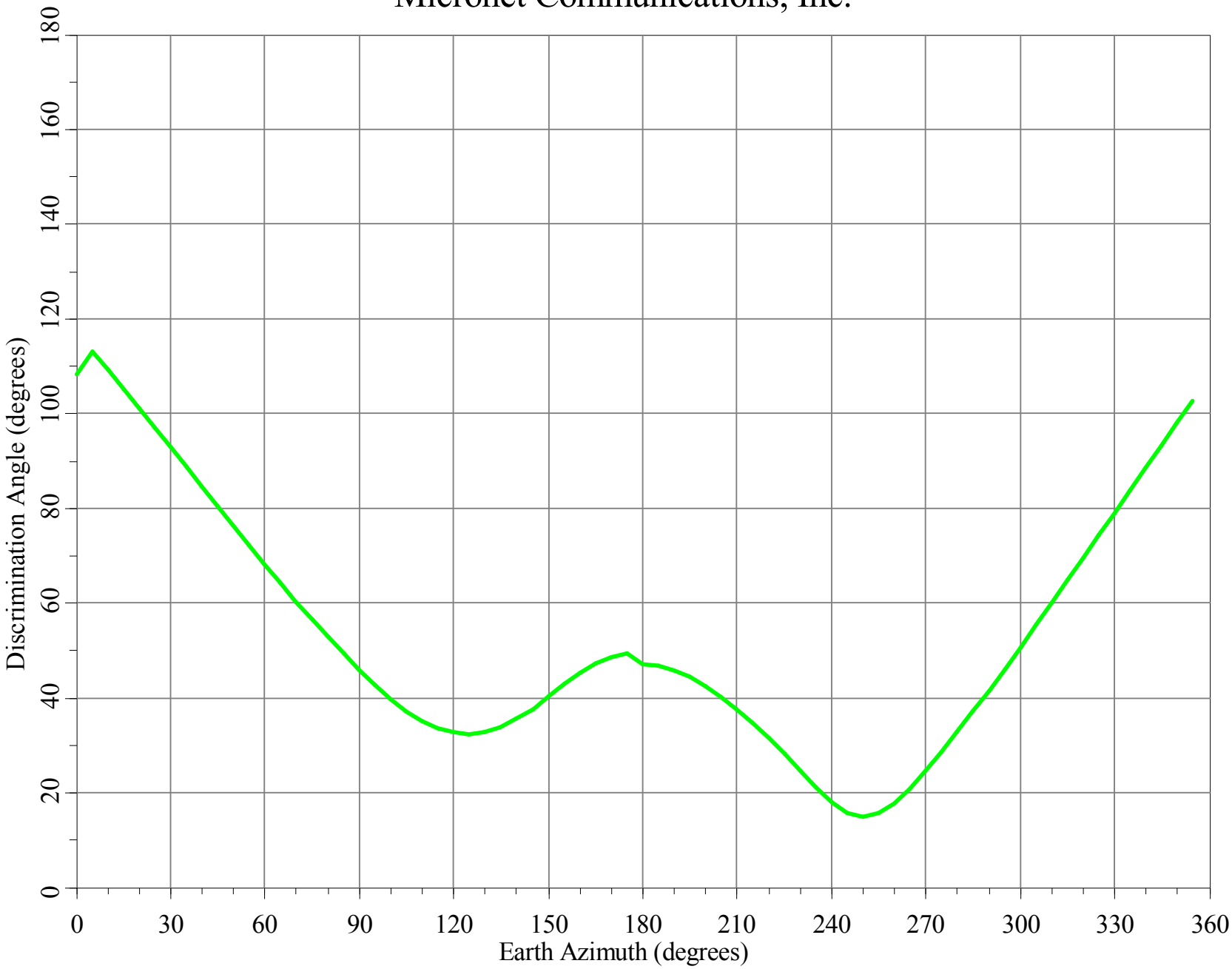
North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)	North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)
0	1.45	-8.86	176.6	180	3.95	-10.00	123.3
5	1.35	-11.50	179.1	185	4.06	-9.91	121.5
10	1.26	-9.52	181.5	190	4.06	-9.68	122.1
15	1.18	-6.82	184.1	195	4.06	-9.32	123.8
20	1.09	-6.00	186.6	200	4.06	-8.82	126.1
25	1.01	-6.00	189.3	205	4.06	-8.22	128.8
30	0.92	-7.68	193.8	210	4.06	-7.52	131.6
35	0.82	-10.00	198.8	215	4.06	-6.75	134.1
40	0.71	-10.00	204.3	220	4.06	-5.90	136.0
45	0.61	-10.00	209.3	225	4.06	-4.82	137.4
50	0.48	-10.00	215.9	230	4.06	-3.51	137.9
55	0.38	-10.00	221.0	235	4.06	-2.19	137.5
60	0.30	-10.00	229.4	240	4.06	-1.06	136.4
65	0.22	-10.00	241.0	245	4.06	-0.27	134.5
70	0.16	-10.00	262.6	250	4.06	0.00	132.1
75	0.11	-10.00	270.2	255	4.06	-0.25	129.3
80	0.08	-10.00	279.3	260	4.06	-1.03	126.4
85	0.06	-10.00	290.8	265	4.06	-2.15	123.3
90	0.05	-9.70	302.9	270	4.13	-3.48	120.7
95	0.11	-8.86	315.0	275	4.24	-4.94	119.7
100	0.20	-8.09	324.6	280	4.33	-6.21	118.7
105	0.28	-7.41	307.6	285	4.42	-7.37	117.8
110	0.36	-6.86	297.4	290	4.50	-8.56	117.0
115	0.44	-6.44	281.4	295	4.57	-9.76	116.3
120	0.39	-6.22	272.8	300	4.62	-10.00	115.8
125	0.55	-6.13	252.6	305	4.66	-10.00	115.5
130	0.58	-6.24	241.6	310	4.67	-10.00	115.3
135	0.63	-6.53	231.3	315	4.67	-10.00	115.4
140	0.75	-6.95	217.5	320	4.65	-10.00	115.6
145	0.79	-7.53	211.9	325	4.61	-10.00	116.0
150	0.84	-8.22	206.0	330	4.55	-10.00	116.5
155	0.91	-8.94	199.6	335	4.48	-10.00	117.3
160	1.01	-9.55	193.0	340	4.39	-10.00	118.2
165	1.12	-10.00	188.1	345	4.29	-7.40	119.2
170	1.25	-10.00	183.2	350	4.18	-6.00	120.2
175	1.39	-10.00	178.7	355	4.06	-6.00	121.5

Horizon Angle & Satellite Arc for Appling, GA
Micronet Communications, Inc.

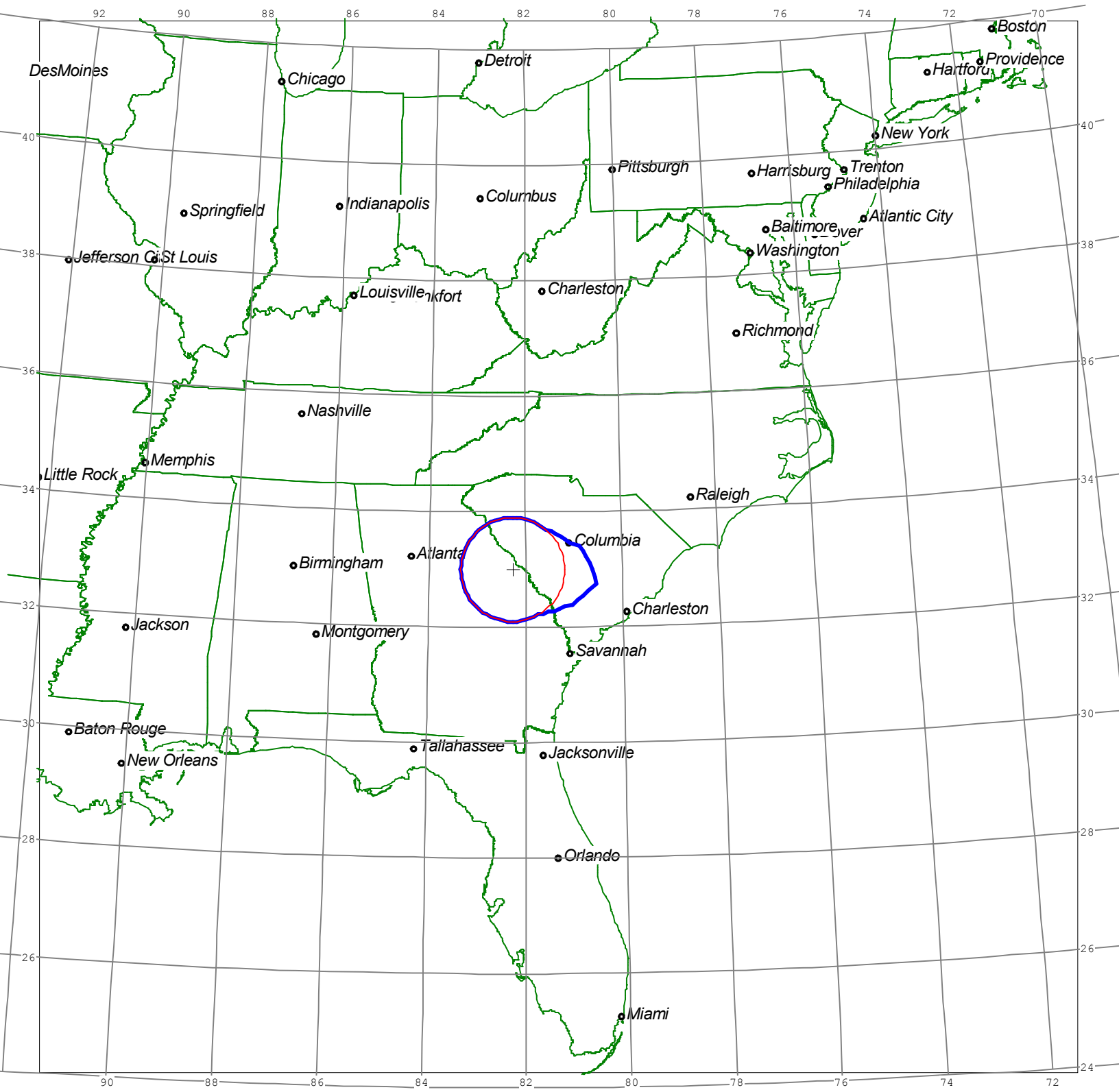


Horizon Gain for Appling, GA
Micronet Communications, Inc.




Minimum Discrimination Angles for Appling, GA
Micronet Communications, Inc.
Discrimination Angle (degrees)
0
20
40
60
80
100
120
140
160
180
0
30
60
90
120
150
180
210
240
270
300
330
360
Earth Azimuth (degrees)

Final Contour & Rain Scatter for Appling, GA - Transmit



SCALE - 1:10000000 1 inch = 157.8 miles

Final Contour & Rain Scatter for Appling, GA - Receive

SCALE - 1:10000000 1 inch = 157.8 miles

Final Contour
Rain Scatter