

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

File: C1815210

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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company:	Eagle Communications, Inc.		
Site Name, State:	Hutchinson, KS		
Call Sign:			
Latitude	(NAD83)	38 3	44.3 N
Longitude	(NAD83)	97 55	57.3 W
Elevation AMSL	(ft/m)	1538.71	469.00
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)	141.74	234.72
Antenna Centerline	(ft/m)	6.56	2.00
Antenna Elevation Angles	(deg)	38.27	28.81

Equipment Parameters Receive

Antenna Gain, Main Beam	(dbI)	41.50
15 DB Half Beamwidth	(deg)	3.20

Antennas Receive: PATRIOT ANTENNA SYSTEMS PRT-380 (3.8 M)

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

Coordination Parameters Receive

Max Greater Circle Distances	(km)	278.59	
Max Rain Scatter Distances	(km)	397.33	
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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 Antenna Centerline (ft/m) 6.56 2.00
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Equipment Parameters Receive

Antenna Gain, Main Beam (dbI) 41.50
 15 DB Half Beamwidth (deg) 3.20

Antennas Receive: PATRIOT ANTENNA SYSTEMS PRT-380 (3.8 M)

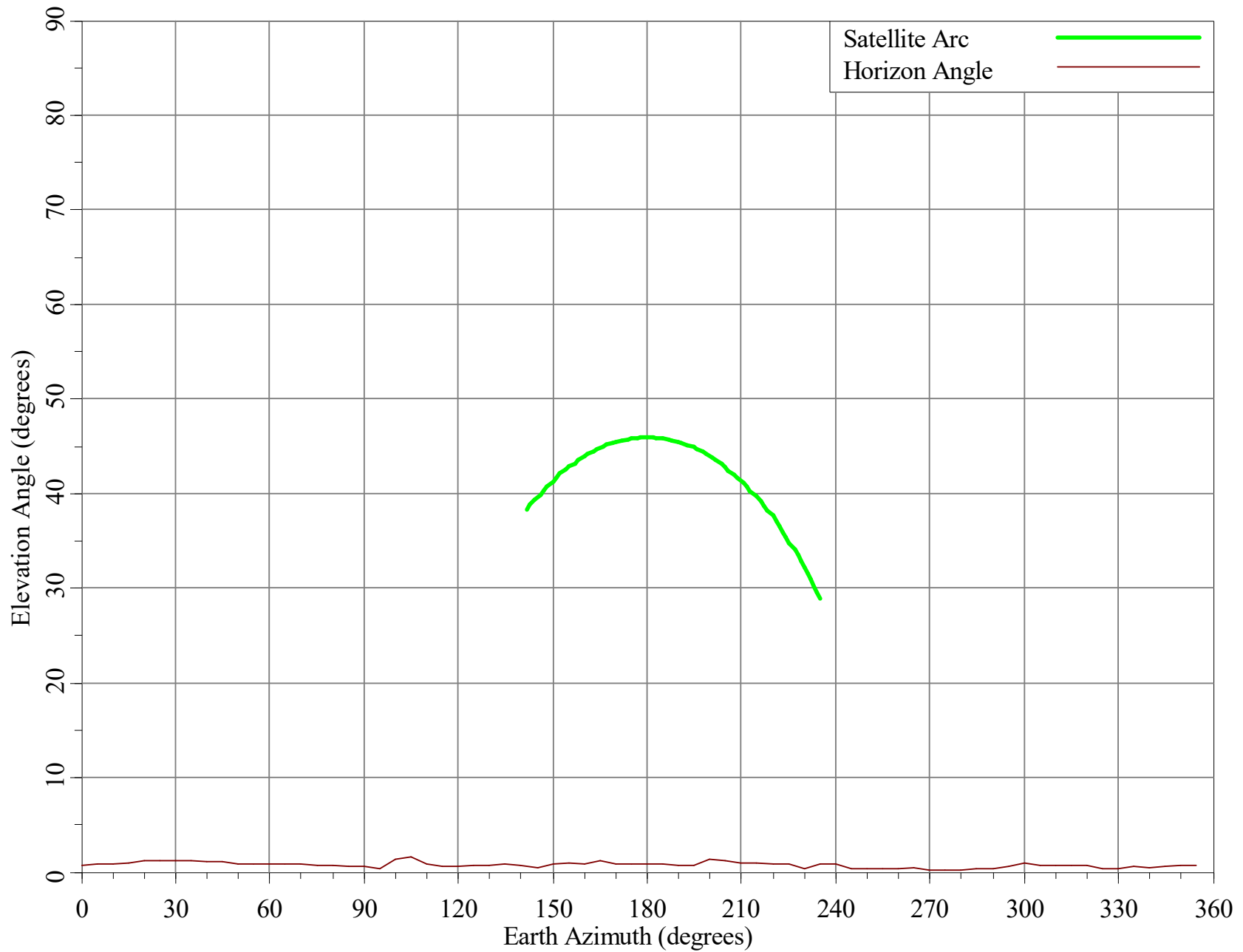
Max Transmitter Power (dbW/4KHz)
 Max EIRP Main Beam (dbW/4KHz)
 Modulation / Emission Designator DIGITAL 36M0G7W

Coordination Parameters Receive

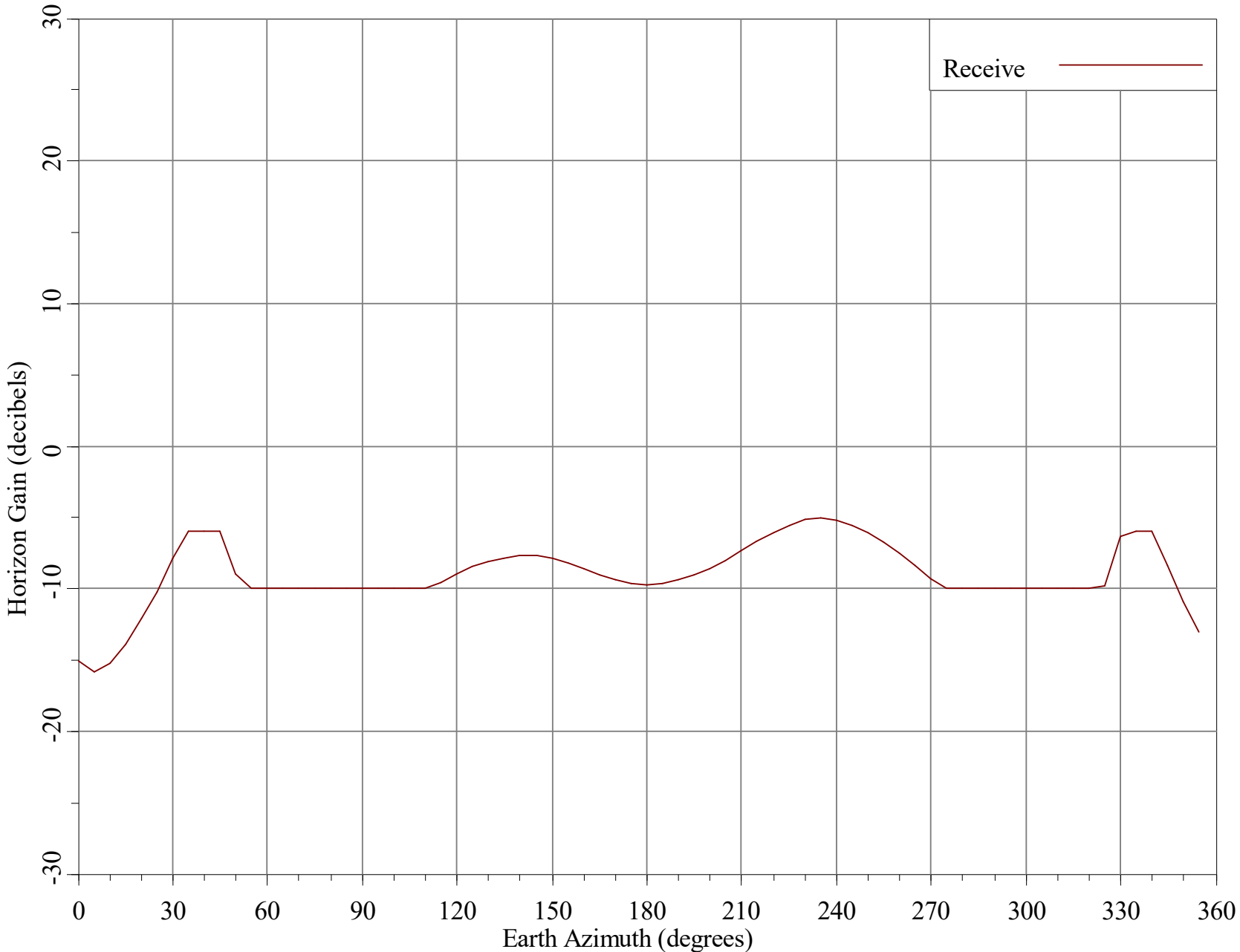
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 Rain Zone / Radio Zone 2 A

Horizon Angle & Satellite Arc for Hutchinson, KS

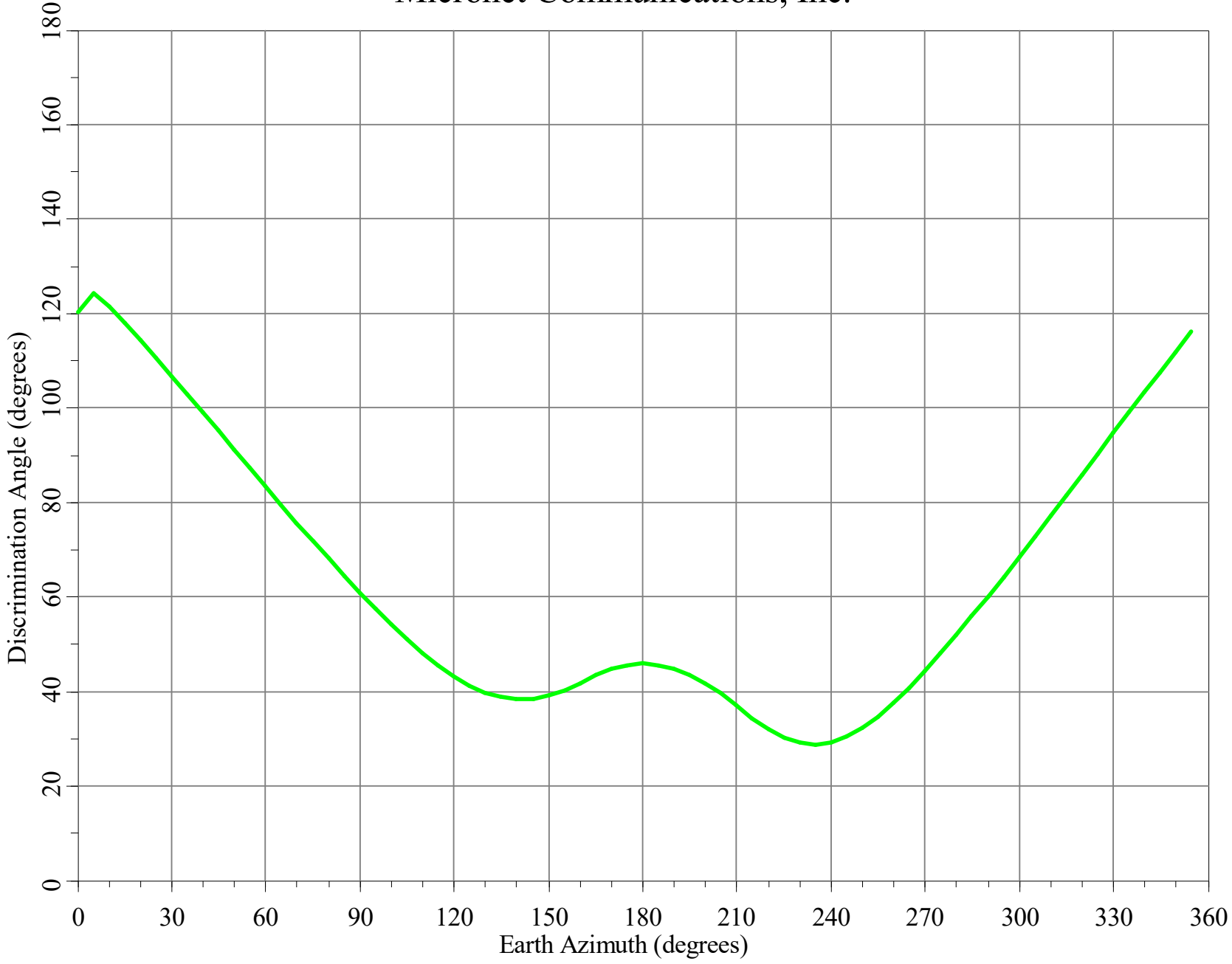
Micronet Communications, Inc.



Horizon Gain for Hutchinson, KS
Micronet Communications, Inc.



Minimum Discrimination Angles for Hutchinson, KS
Micronet Communications, Inc.



Final Contour & Rain Scatter for Hutchinson, KS - Receive

