

**Micronet Communications, Inc.**

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1328304 3.70 GHz  
Licensee: GRANDE COMMUNICATIONS NETWORKS 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:

San Marcos, TX

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:

11/04/2013 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

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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company:	GRANDE COMMUNICATIONS NETWORKS INC		
Site Name, State:	San Marcos, TX		
Call Sign:			
Latitude	(NAD83)	29 54	27.7 N
Longitude	(NAD83)	97 54	28.1 W
Elevation AMSL	(ft/m)	610.24	186.00
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)		
Range of Satellite Orbital Long.	(deg W)	60.00	143.00
Range of Azimuths from North	(deg)	122.63	243.57
Antenna Centerline	(ft/m)	7.38	2.25
Antenna Elevation Angles	(deg)	36.15	30.24

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Equipment Parameters Receive

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Antenna Gain, Main Beam	(dbI)	43.30
15 DB Half Beamwidth	(deg)	1.25
Antennas	Receive: SCIENTIFIC ATLANTA 8345 (4.5M)	

Max Transmitter Power	(dbW/4KHz)	
Max EIRP Main Beam	(dbW/4KHz)	
Modulation / Emission Designator	ANALOG	36M0G7F 36M0F8F

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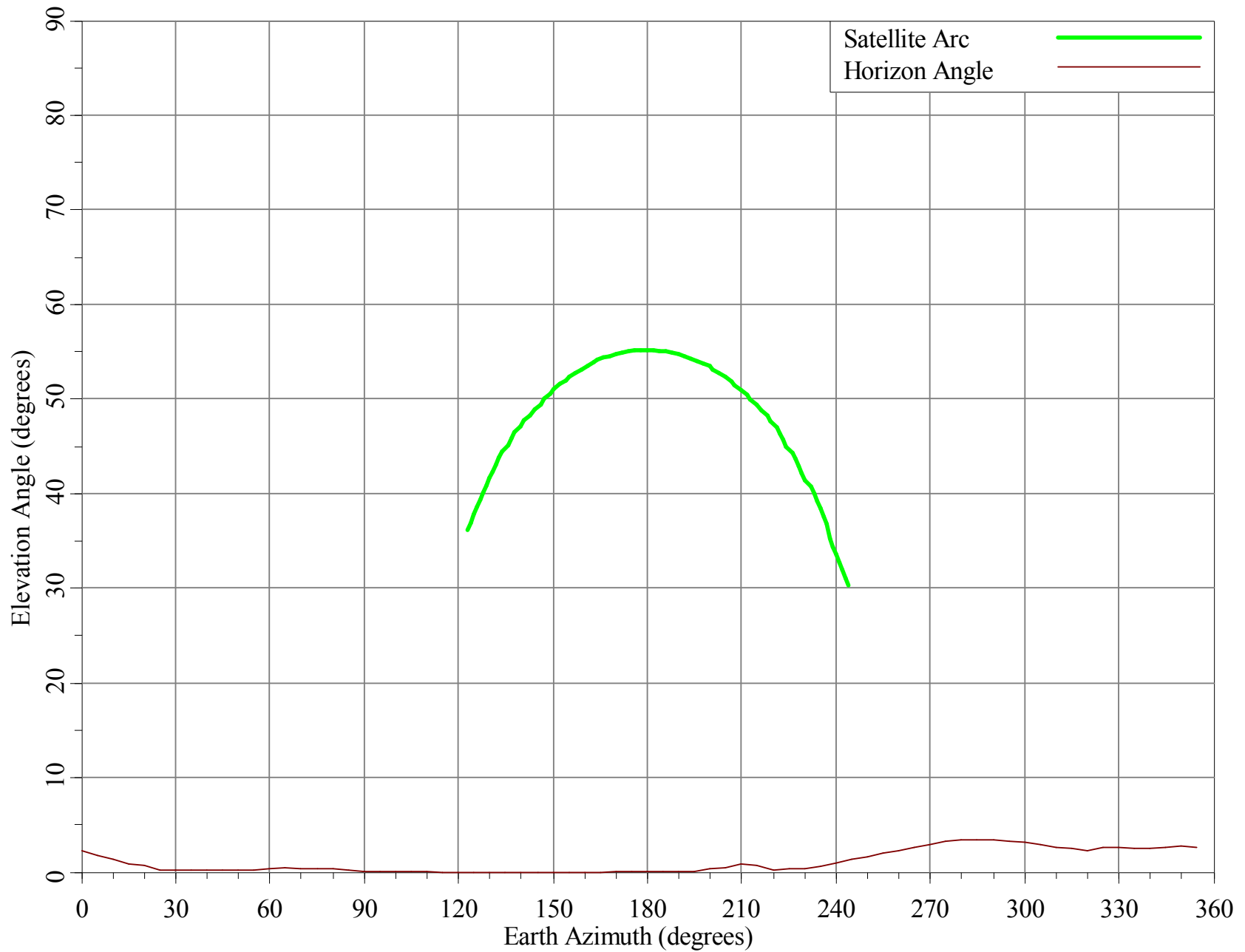
Coordination Parameters Receive

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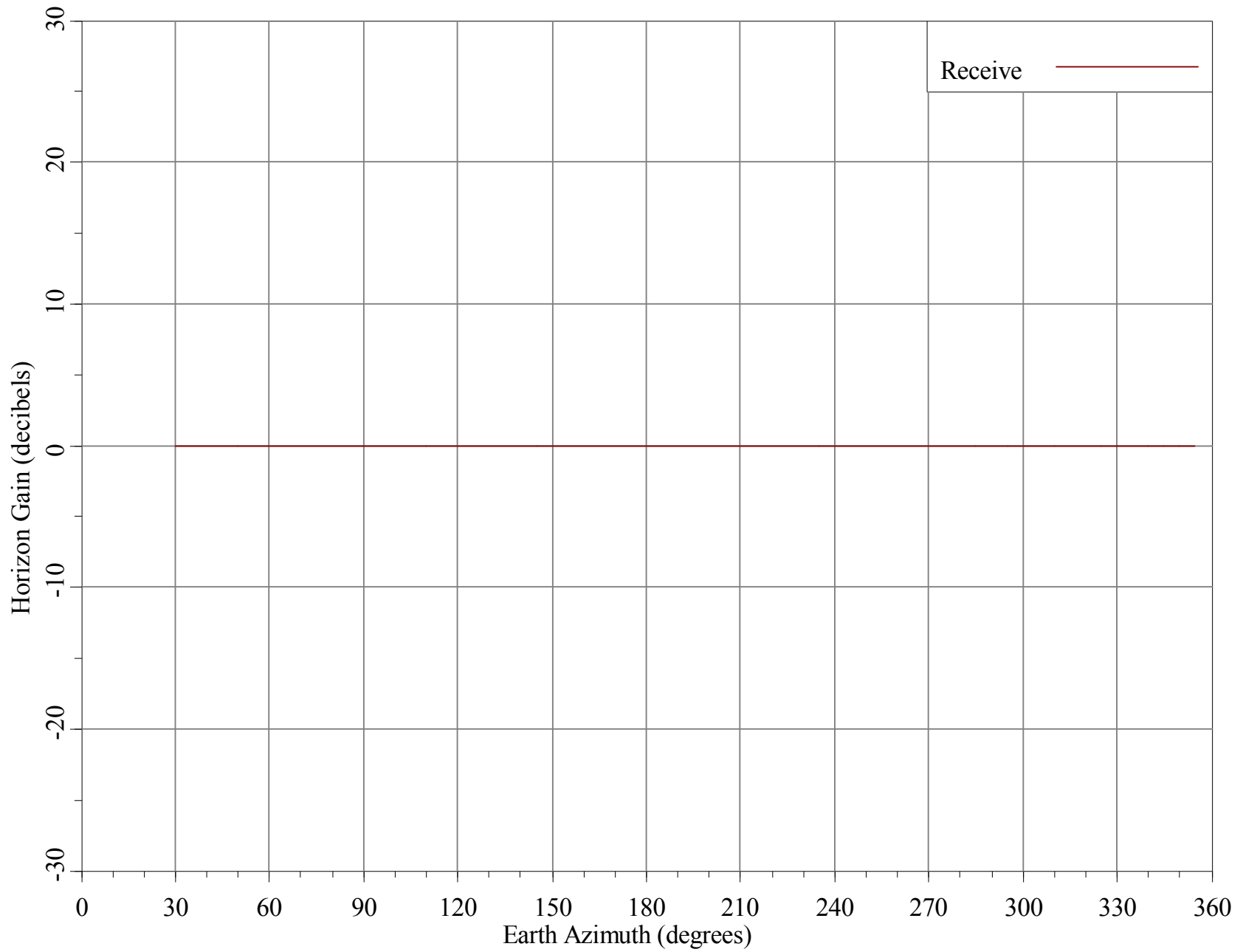
Max Greater Circle Distances	(km)	252.59
Max Rain Scatter Distances	(km)	239.33
Max Interference Power Long Term	(dbW)	-140.60
Max Interference Power Short Term	(dbW)	-118.40
Rain Zone / Radio Zone		2 A

# Horizon Angle & Satellite Arc for San Marcos, TX

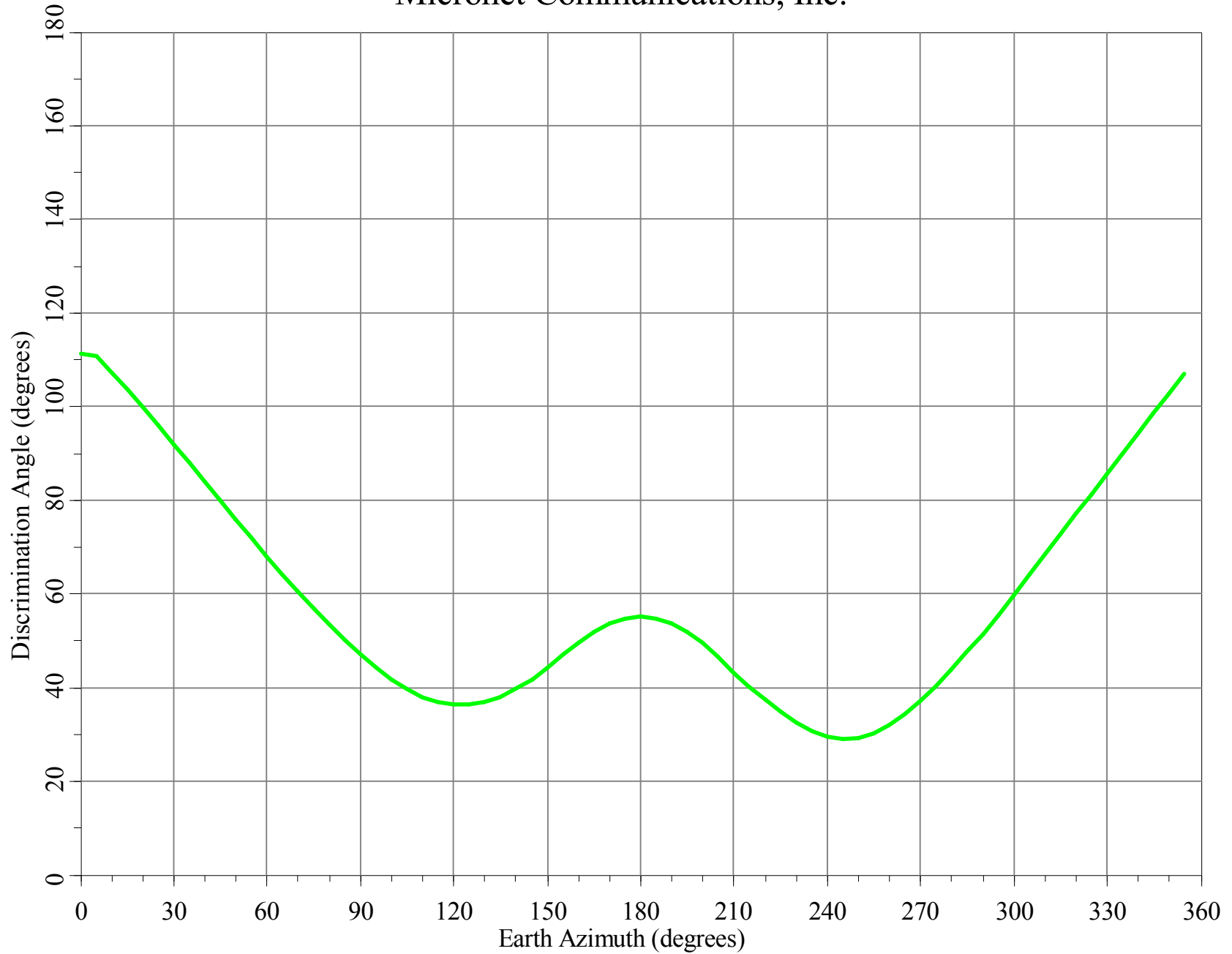
Micronet Communications, Inc.



# Horizon Gain for San Marcos, TX Micronet Communications, Inc.



Minimum Discrimination Angles for San Marcos, TX  
Micronet Communications, Inc.



# Final Contour & Rain Scatter for San Marcos, TX - Receive

