Micronet Communications, Inc.
812 Lexington Dr
Plano, Texas 75075
972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M2016108 5.93 GHz
Licensee: L3Harris Technologies, 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:

Borinquen, PR

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:

07/27/2020	No-impact change notification pursuant to Section 101.103(d)(2)(ix) - No response required.
07/10/2020	No-impact change notification pursuant to Section 101.103(d)(2)(ix) - No response required.
06/18/2020	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:

AERONET WIRELESS BROADBAND LLC
ARECIBO OBSERVATORY
AT&T MOBILITY PUERTO RICO INC.
BROADBAND ANTENNA TRACKING SYSTEMS, INC.
COMSEARCH INC
CRITICAL HUB NETWORKS, INC.
EVERTEC, INC.
ICOMM NET
MICRONET COMMUNICATIONS INC
NEPTUNOMEDIA, INC.
OLYMPIC WIRELESS
OSNET WIRELESS CORP.
PRWIRELESS PR, LLC
PUERTO RICO COMMOMWEALTH
PUERTO RICO ELECTRIC POWER AUTHORITY
PUERTO RICO STATE POLICE
PUERTO RICO TELEPHONE COMPANY, INC
RADIO DYNAMICS
WIRELESS APPLICATIONS CORP

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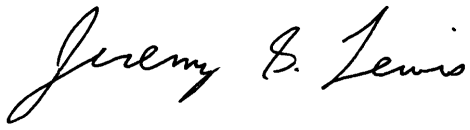
Respectfully Submitted,



Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

Micronet Communications, Inc.
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File: M2016108

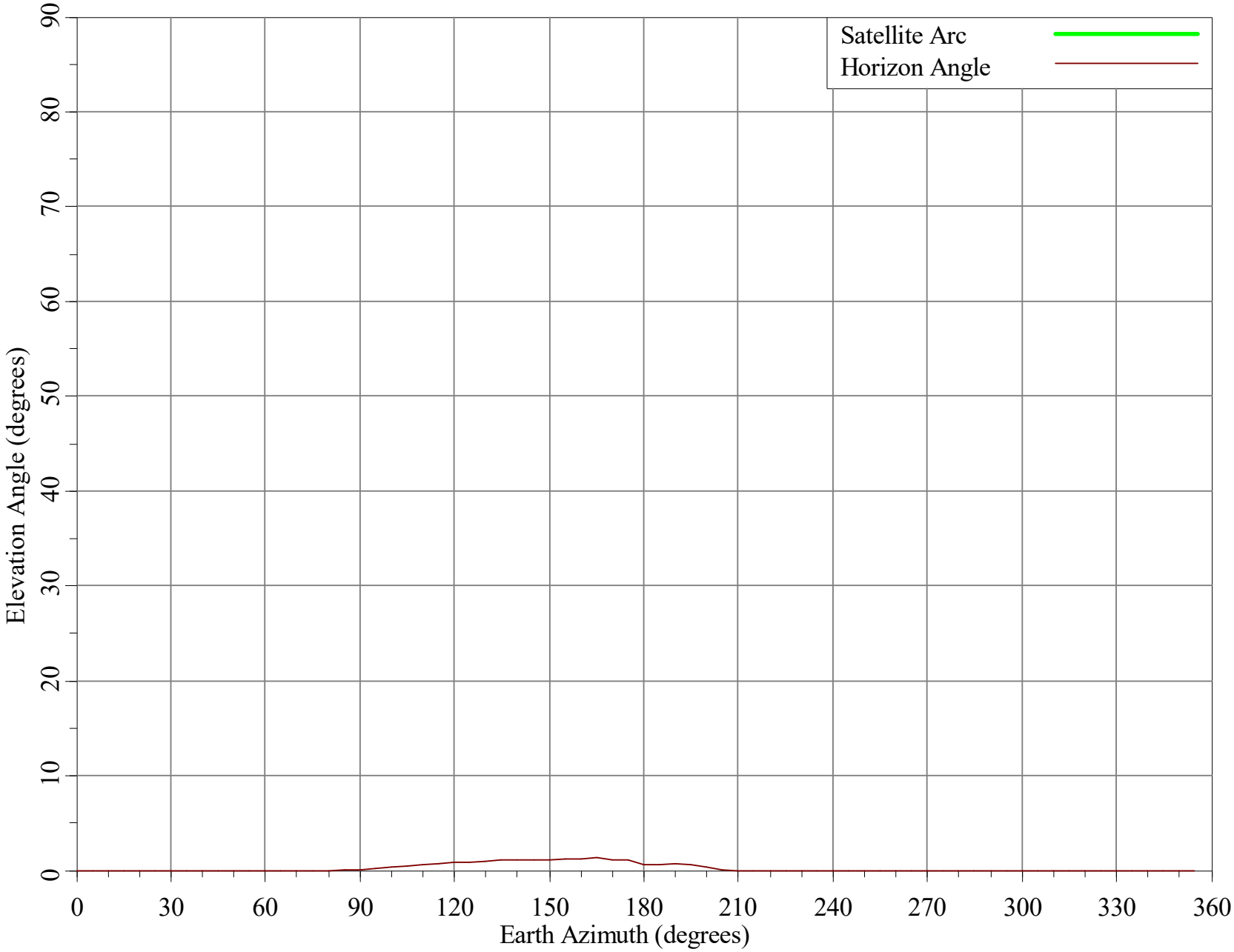
TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

Company:		L3Harris Technologies, Inc	
Site Name, State:		Borinquen, PR	
Call Sign:			
Latitude	(NAD83)	18 29 7.3 N	
Longitude	(NAD83)	67 8 54.7 W	
Elevation AMSL	(ft/m)	260.73	79.47
Receive Frequency Range	(MHz)	4000-4200	
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long.	(deg W)	87.00	87.00
Range of Azimuths from North	(deg)	228.71	228.71
Antenna Centerline	(ft/m)	9.84	3.00
Antenna Elevation Angles	(deg)	58.62	58.62

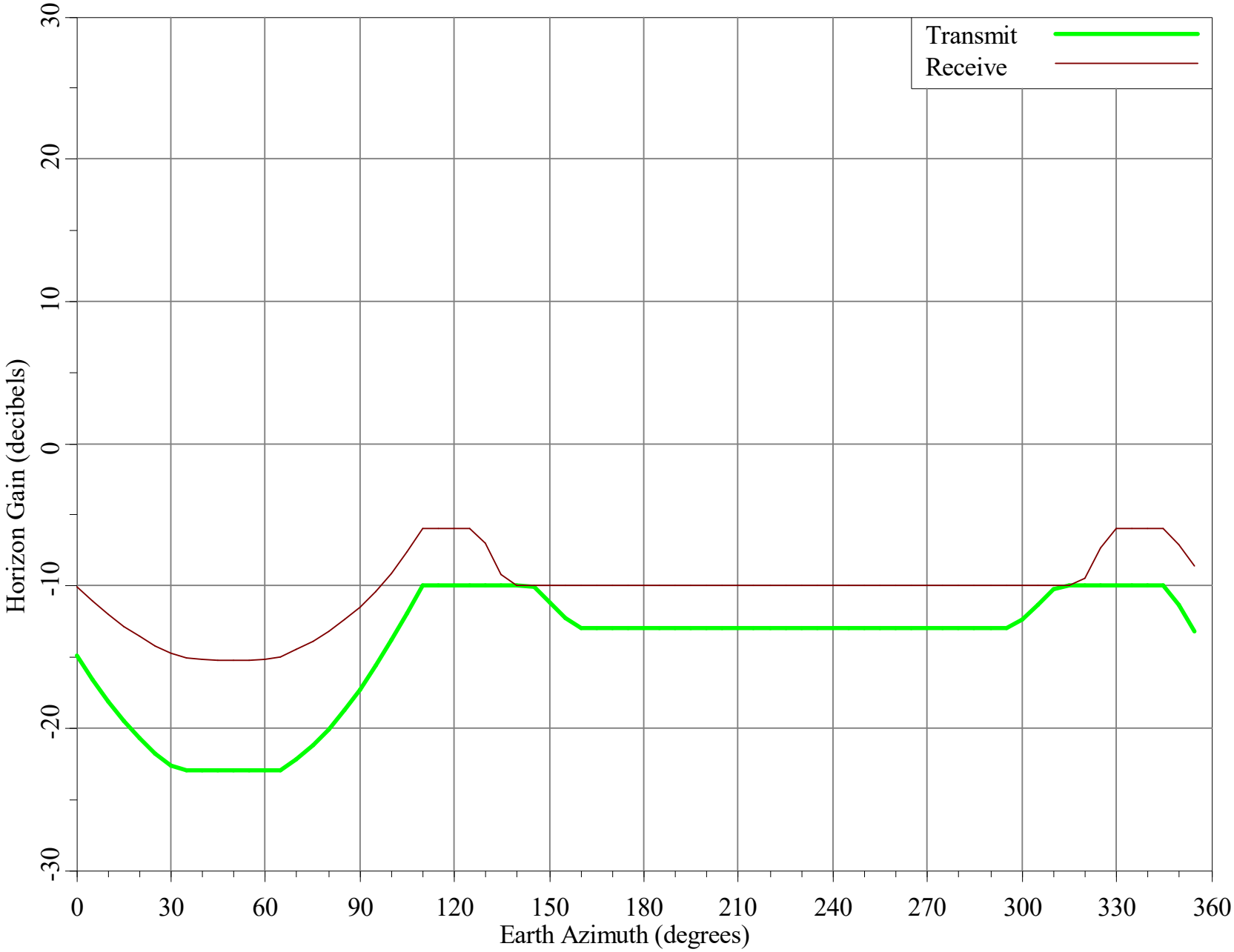
Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	41.80	46.80
15 DB Half Beamwidth	(deg)	3.20	1.60
Antennas	Receive: PRODELIN 1383 (3.8 M)		
	Transmit: PRODELIN 1383 (3.8 M)		
Max Transmitter Power	(dbW/4KHz)		-12.40
Max EIRP Main Beam	(dbW/4KHz)		34.40
Modulation / Emission Designator	DIGITAL	1M10G7W	

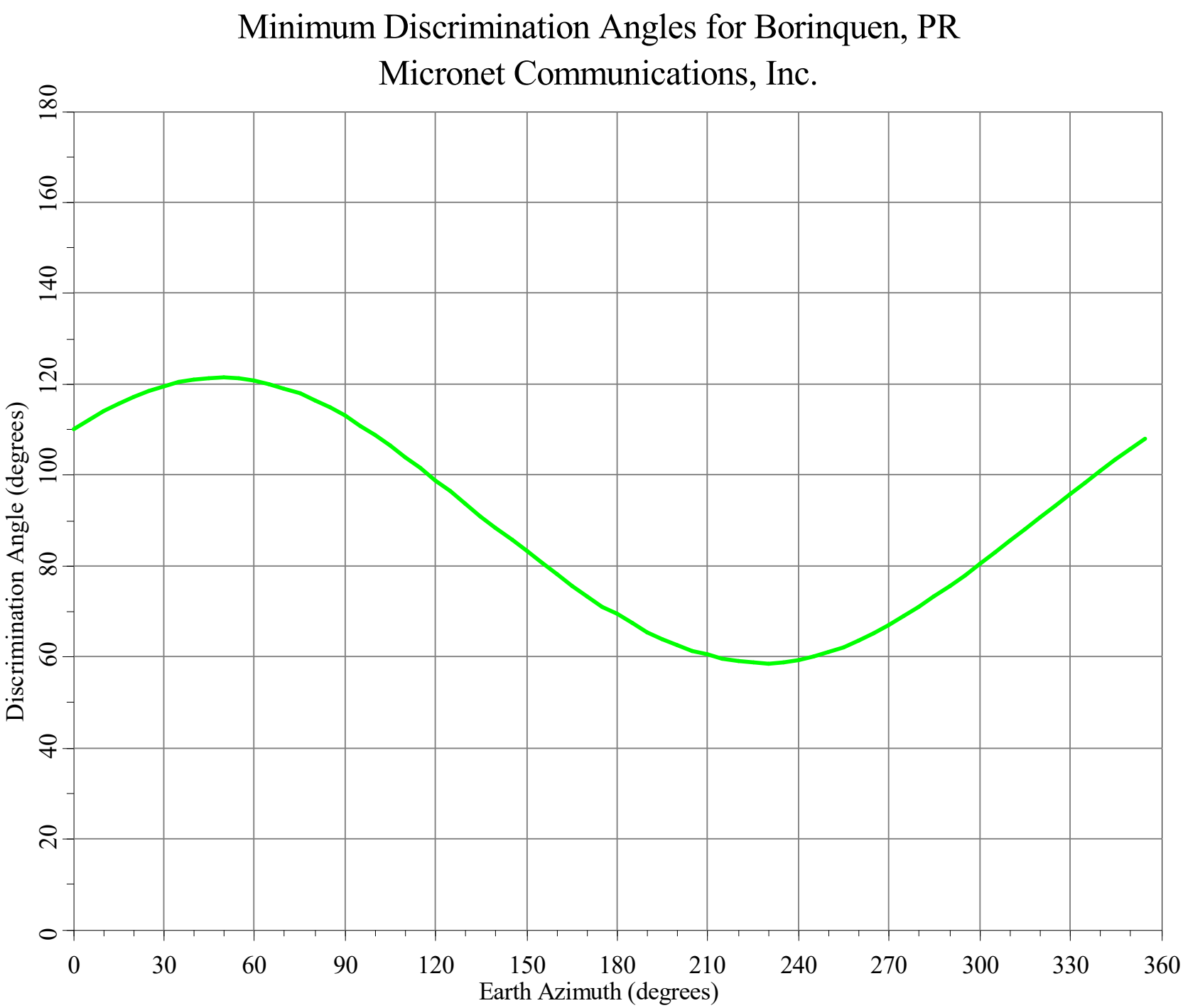
Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	334.48	131.58
Max Rain Scatter Distances	(km)	526.18	100.01
Max Interference Power Long Term	(dbW)	-158.60	-154.80
Max Interference Power Short Term	(dbW)	-153.90	-126.80
Rain Zone / Radio Zone		1	A

Horizon Angle & Satellite Arc for Borinquen, PR
Micronet Communications, Inc.

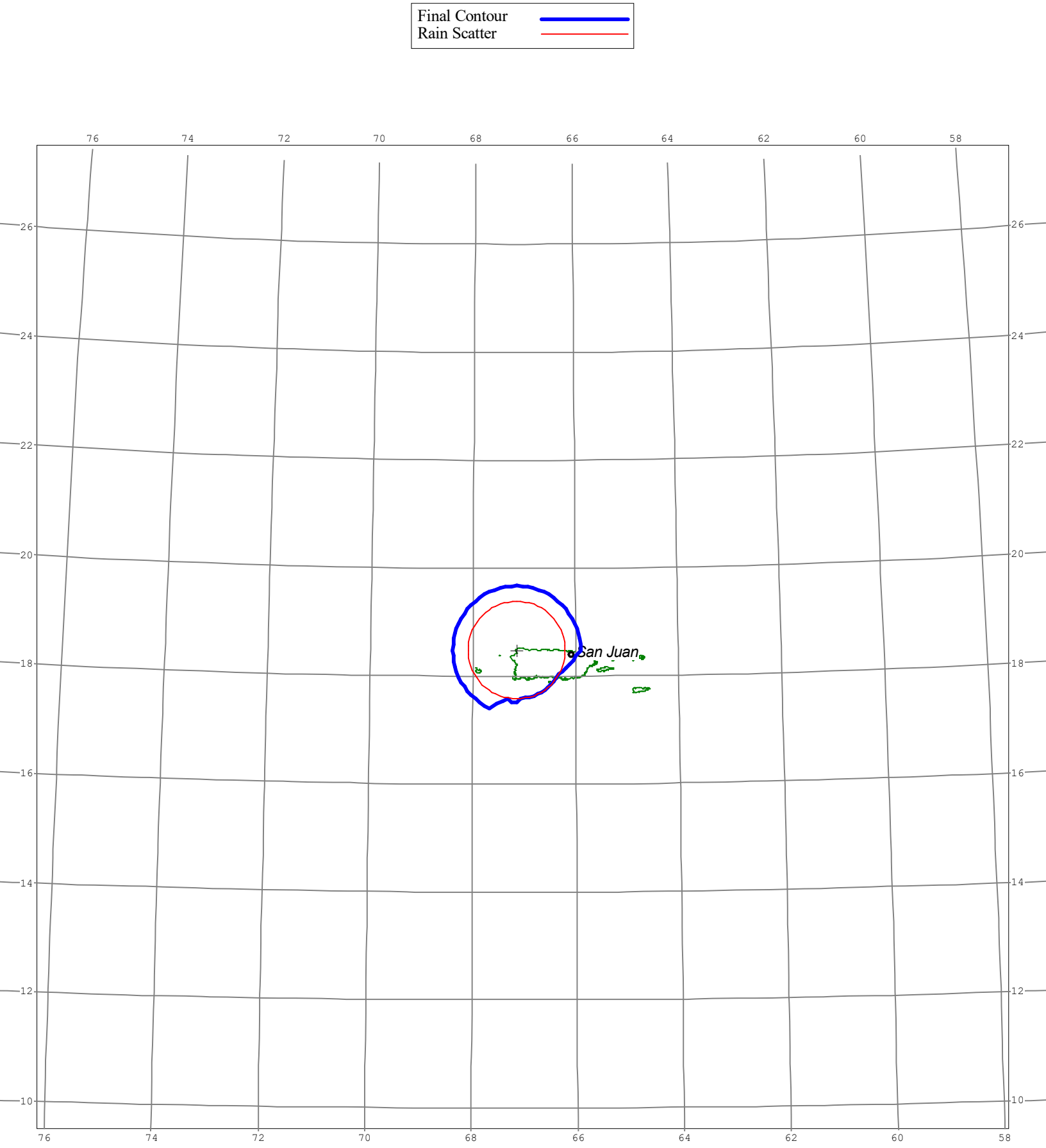


Horizon Gain for Borinquen, PR
Micronet Communications, Inc.




Minimum Discrimination Angles for Borinquen, PR
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 Borinquen, PR - Transmit



SCALE - 1:10000000 1 inch = 157.8 miles

Final Contour & Rain Scatter for Borinquen, PR - Receive

SCALE - 1:10000000 1 inch = 157.8 miles

Final Contour
Rain Scatter