

Cavell, Mertz & Associates



Entravision Communications, LLC
Washington DC Site
Coordinates: 38-53-34.7 N, 77-0-46.1 W (NAD 83)

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

File: W1821105

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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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| | | | |
|----------------------------------|--|-----------|--------|
| Company: | Entravision Communications Company, L.L.C. | | |
| Site Name, State: | Washington, DC | | |
| Call Sign: | | | |
| Latitude | (NAD83) | 38 53 | 34.7 N |
| Longitude | (NAD83) | 77 0 | 46.1 W |
| Elevation AMSL | (ft/m) | 15.75 | 4.80 |
| Receive Frequency Range | (MHz) | 3700-4200 | |
| Transmit Frequency Range | (MHz) | | |
| Range of Satellite Orbital Long. | (deg W) | 60.00 | 160.00 |
| Range of Azimuths from North | (deg) | 154.02 | 265.58 |
| Antenna Centerline | (ft/m) | 101.05 | 30.80 |
| Antenna Elevation Angles | (deg) | 41.62 | -3.22 |

Equipment Parameters Receive

| | | |
|-------------------------|-------|-------|
| Antenna Gain, Main Beam | (dbI) | 40.40 |
| 15 DB Half Beamwidth | (deg) | 3.60 |

Antennas Receive: PATRIOT ANTENNA SYSTEMS 3.1 METER

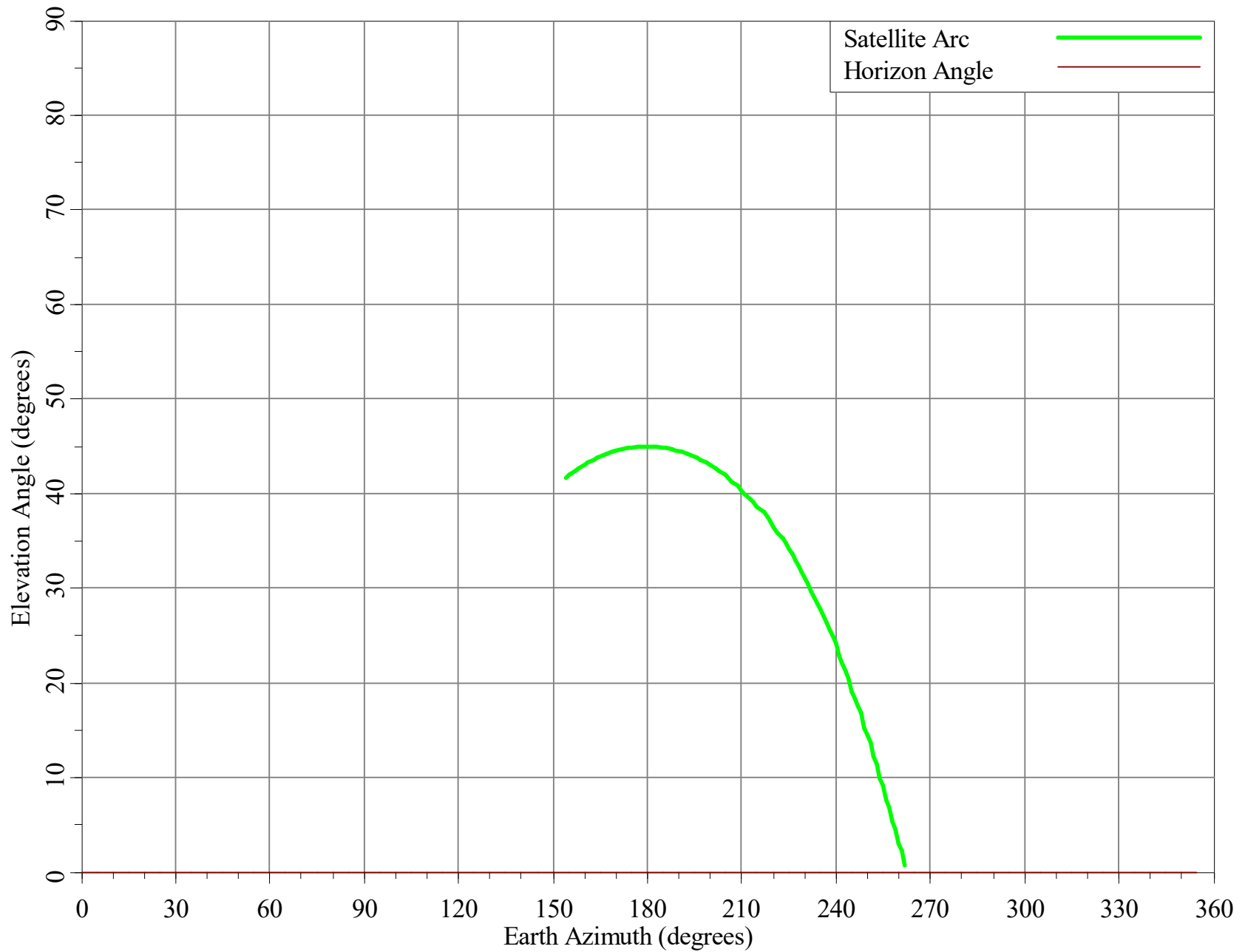
| | | |
|----------------------------------|------------|---------|
| Max Transmitter Power | (dbW/4KHz) | |
| Max EIRP Main Beam | (dbW/4KHz) | |
| Modulation / Emission Designator | DIGITAL | 36M0G7W |

Coordination Parameters Receive

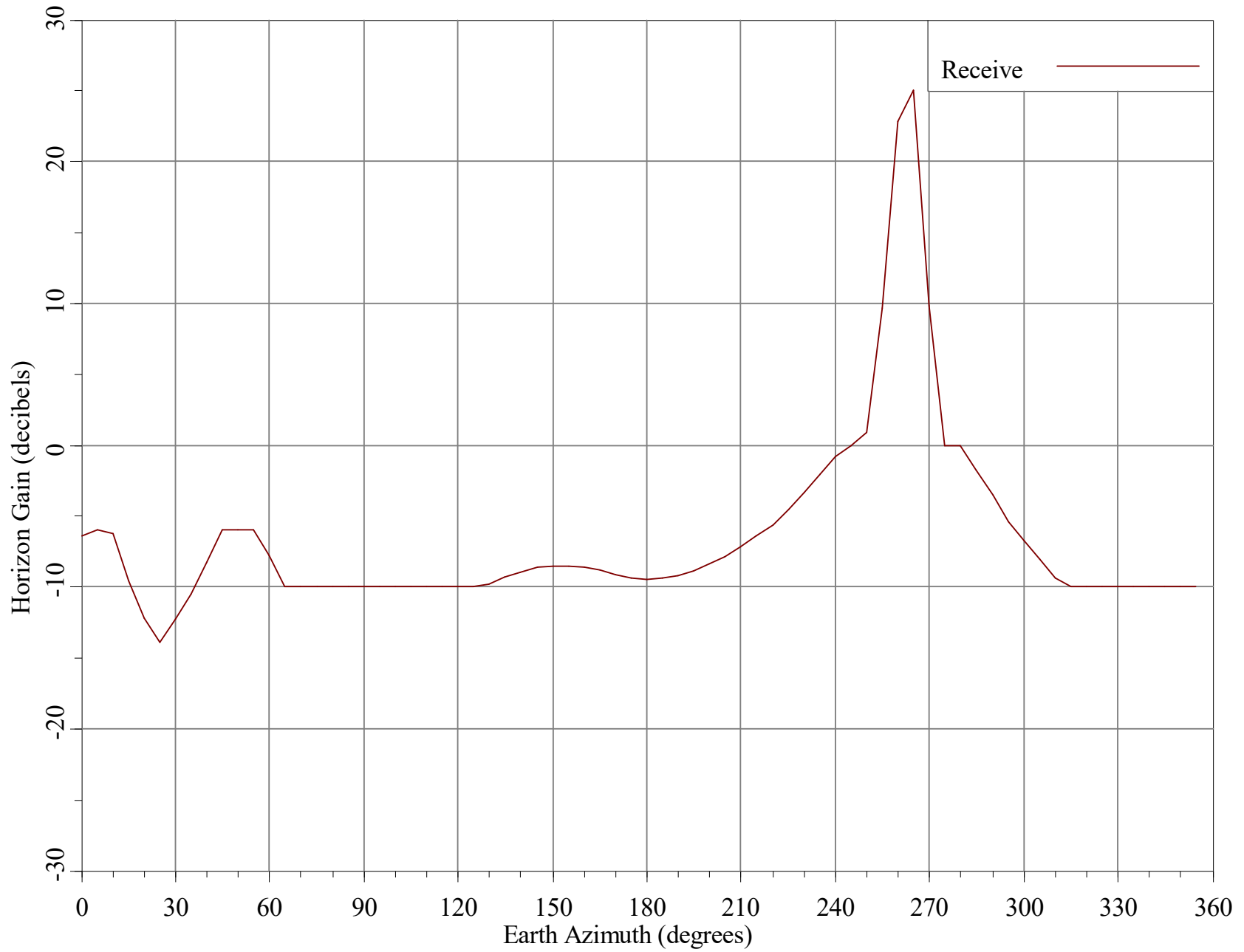
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|-----------------------------------|-------|--|
| Max Greater Circle Distances | (km) | 496.19 |
| Max Rain Scatter Distances | (km) | 381.75 |
| Max Interference Power Long Term | (dbW) | -140.60 |
| Max Interference Power Short Term | (dbW) | -118.40 |
| Rain Zone / Radio Zone | | 2 A |

Horizon Angle & Satellite Arc for Washington, DC

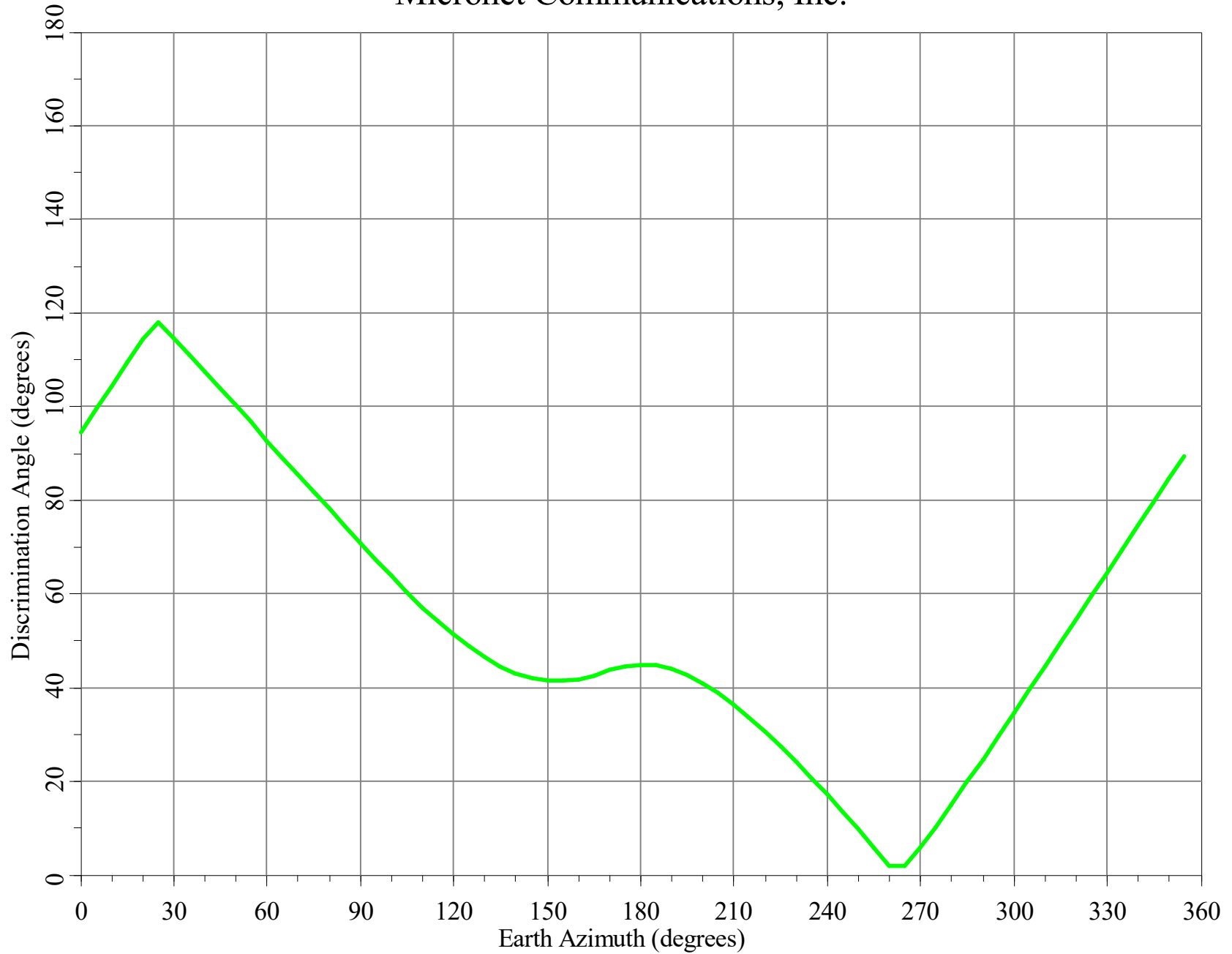
Micronet Communications, Inc.



Horizon Gain for Washington, DC Micronet Communications, Inc.



Minimum Discrimination Angles for Washington, DC Micronet Communications, Inc.



Final Contour & Rain Scatter for Washington, DC - Receive

