

Micronet Communications, Inc.
 720 F Avenue, Suite 100
 Plano, Texas 75074
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File: M0905402

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company: HARRIS CORPORATION
 Site Name, State: Grand Isle, LA
 Call Sign:
 Latitude (NAD83) 29 13 26.4 N
 Longitude (NAD83) 90 1 11.6 W
 Elevation AMSL (ft/m) 3.30 1.01
 Receive Frequency Range (MHz) 3700-4200
 Transmit Frequency Range (MHz) 5925-6425
 Range of Satellite Orbital Long. (deg W) 65.00 143.00
 Range of Azimuths from North (deg) 136.29 249.79
 Antenna Centerline (ft/m) 12.00 3.66
 Antenna Elevation Angles (deg) 46.27 23.76

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	38.00	42.00
15 DB Half Beamwidth	(deg)	2.24	2.24
Antennas	Receive: PRODELIN SERIES 2244 HIGH WIND Transmit: PRODELIN SERIES 2244 HIGH WIND		
Max Transmitter Power	(dbW/4KHz)		-24.70
Max EIRP Main Beam	(dbW/4KHz)		17.30
Modulation / Emission Designator	DIGITAL 154KG1W		

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	264.45	122.19
Max Rain Scatter Distances	(km)	304.21	100.00
Max Interference Power Long Term	(dbW)	-140.60	-151.80
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		1	A