

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

File: M2127204

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company: L3HARRIS TECHNOLOGIES, INC.
 Site Name, State: GAO_RTR, LA
 Call Sign:
 Latitude (NAD83) 29 24 50.9 N
 Longitude (NAD83) 90 17 43.5 W
 Elevation AMSL (ft/m) 0.00 0.00
 Receive Frequency Range (MHz) 4120
 Transmit Frequency Range (MHz) 6345
 Range of Satellite Orbital Long. (deg W) 86.00 88.00
 Range of Azimuths from North (deg) 171.30 175.33
 Antenna Centerline (ft/m) 10.00 3.05
 Antenna Elevation Angles (deg) 55.38 55.61

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	38.00	42.00
15 DB Half Beamwidth	(deg)	3.00	2.00
Antennas	Receive: PRODELIN 2244 (2.4M) Transmit: PRODELIN 2244 (2.4M)		
Max Transmitter Power	(dBW/4KHz)		-23.59
Max EIRP Main Beam	(dBW/4KHz)		18.41
Modulation / Emission Designator	DIGITAL 36M0G7W		

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	334.48	106.32
Max Rain Scatter Distances	(km)	526.18	100.00
Max Interference Power Long Term	(dBW/MHz)	-134.60	-130.80
Max Interference Power Short Term	(dBW/MHz)	-129.90	-102.80
Rain Zone / Radio Zone		1	A

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Horizon Angle Horizon Gain Final Contour - 6.17 GHz TRANSMIT
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Company: L3HARRIS TECHNOLOGIES INC.

Site Name, State: GAO_RTR, LA

Call Sign:

Latitude (NAD83) 29 24 50.9 N Longitude (NAD83) 90 17 43.5 W

North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)	North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)
0	0.00	-23.00	106.3	180	0.00	-13.00	106.3
5	0.00	-23.00	106.3	185	0.00	-13.00	106.3
10	0.00	-23.00	106.3	190	0.00	-13.00	106.3
15	0.00	-23.00	106.3	195	0.00	-13.00	106.3
20	0.00	-22.91	106.3	200	0.00	-13.00	106.3
25	0.00	-21.55	106.3	205	0.00	-13.00	106.3
30	0.00	-20.01	106.3	210	0.00	-13.00	106.3
35	0.00	-18.33	106.3	215	0.00	-13.00	106.3
40	0.00	-16.52	106.3	220	0.00	-13.00	106.3
45	0.00	-14.60	106.3	225	0.00	-13.00	106.3
50	0.00	-12.58	106.3	230	0.00	-13.00	106.3
55	0.00	-10.47	106.3	235	0.00	-13.00	106.3
60	0.00	-10.00	106.3	240	0.00	-13.00	106.3
65	0.00	-10.00	106.3	245	0.00	-13.00	106.3
70	0.00	-10.00	106.3	250	0.00	-11.97	106.3
75	0.00	-10.00	106.3	255	0.00	-10.78	106.3
80	0.00	-10.00	106.3	260	0.00	-10.00	106.3
85	0.00	-10.00	106.3	265	0.00	-10.00	106.3
90	0.00	-10.40	106.3	270	0.00	-10.00	106.3
95	0.00	-11.60	106.3	275	0.00	-10.00	106.3
100	0.00	-12.78	106.3	280	0.00	-10.00	106.3
105	0.00	-13.00	106.3	285	0.00	-10.00	106.3
110	0.00	-13.00	106.3	290	0.00	-10.00	106.3
115	0.00	-13.00	106.3	295	0.00	-11.81	106.3
120	0.00	-13.00	106.3	300	0.00	-13.85	106.3
125	0.00	-13.00	106.3	305	0.00	-15.80	106.3
130	0.00	-13.00	106.3	310	0.00	-17.63	106.3
135	0.00	-13.00	106.3	315	0.00	-19.35	106.3
140	0.00	-13.00	106.3	320	0.00	-20.92	106.3
145	0.00	-13.00	106.3	325	0.00	-22.33	106.3
150	0.00	-13.00	106.3	330	0.00	-23.00	106.3
155	0.00	-13.00	106.3	335	0.00	-23.00	106.3
160	0.00	-13.00	106.3	340	0.00	-23.00	106.3
165	0.00	-13.00	106.3	345	0.00	-23.00	106.3
170	0.00	-13.00	106.3	350	0.00	-23.00	106.3
175	0.00	-13.00	106.3	355	0.00	-23.00	106.3

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=====
Horizon Angle Horizon Gain Final Contour - 3.95 GHz RECEIVE
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Company: L3HARRIS TECHNOLOGIES INC.

Site Name, State: GAO_RTR, LA

Call Sign:

Latitude (NAD83) 29 24 50.9 N Longitude (NAD83) 90 17 43.5 W

North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)	North Azimuth (deg)	Horizon Angle (deg)	Horizon Gain (db)	Final Contour (km)
0	0.00	-10.00	334.5	180	0.00	-10.00	334.5
5	0.00	-10.00	334.5	185	0.00	-10.00	334.5
10	0.00	-10.00	334.5	190	0.00	-10.00	334.5
15	0.00	-10.00	334.5	195	0.00	-10.00	334.5
20	0.00	-10.00	334.5	200	0.00	-10.00	334.5
25	0.00	-10.00	334.5	205	0.00	-10.00	334.5
30	0.00	-10.00	334.5	210	0.00	-10.00	334.5
35	0.00	-10.00	334.5	215	0.00	-10.00	334.5
40	0.00	-10.00	334.5	220	0.00	-10.00	334.5
45	0.00	-10.00	334.5	225	0.00	-10.00	334.5
50	0.00	-10.00	334.5	230	0.00	-10.00	334.5
55	0.00	-10.00	334.5	235	0.00	-10.00	334.5
60	0.00	-10.00	334.5	240	0.00	-10.00	334.5
65	0.00	-10.00	334.5	245	0.00	-10.00	334.5
70	0.00	-10.00	334.5	250	0.00	-10.00	334.5
75	0.00	-10.00	334.5	255	0.00	-10.00	334.5
80	0.00	-10.00	334.5	260	0.00	-10.00	334.5
85	0.00	-10.00	334.5	265	0.00	-10.00	334.5
90	0.00	-10.00	334.5	270	0.00	-10.00	334.5
95	0.00	-10.00	334.5	275	0.00	-10.00	334.5
100	0.00	-10.00	334.5	280	0.00	-10.00	334.5
105	0.00	-10.00	334.5	285	0.00	-10.00	334.5
110	0.00	-10.00	334.5	290	0.00	-10.00	334.5
115	0.00	-10.00	334.5	295	0.00	-10.00	334.5
120	0.00	-10.00	334.5	300	0.00	-10.00	334.5
125	0.00	-10.00	334.5	305	0.00	-10.00	334.5
130	0.00	-10.00	334.5	310	0.00	-10.00	334.5
135	0.00	-10.00	334.5	315	0.00	-10.00	334.5
140	0.00	-10.00	334.5	320	0.00	-10.00	334.5
145	0.00	-10.00	334.5	325	0.00	-10.00	334.5
150	0.00	-10.00	334.5	330	0.00	-10.00	334.5
155	0.00	-10.00	334.5	335	0.00	-10.00	334.5
160	0.00	-10.00	334.5	340	0.00	-10.00	334.5
165	0.00	-10.00	334.5	345	0.00	-10.00	334.5
170	0.00	-10.00	334.5	350	0.00	-10.00	334.5
175	0.00	-10.00	334.5	355	0.00	-10.00	334.5