

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

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File: M1835201 - 1
Original PCN Date: January 04, 2019
Company: Lockheed Martin Corporation
FRN: 0002149359

Site Name, State GRAND PRARIE, TX
Call Sign/County Not Available/Dallas
City Grand Prairie
Latitude N (NAD83) 32 42 44.1
Longitude W (NAD83) 097 01 48.9
Azimuth (degrees) Varies from 350.0 to 0.0
Elevation AMSL (ft/m) 537.7/163.9

Transmit Ant Model PHASED ARRAY
Antenna Manufacturer DRAGON ANTENNA
Gain/Beamwidth (dbi/deg) 27.2/7.0
Antenna Height AGL Varies up to 80.0 ft / 24.4 meters

Receive Ant Model OMNI
Antenna Manufacturer ALL MANUFACTURERS
Gain/Beamwidth (dbi/deg) 10.0/360.0
Antenna Height AGL (ft/m) Various

Equipment Manufacturer ALL MANUFACTURERS
Equipment Model TEST SIGNAL
Stability (%) 0.001

Transmit Frequencies (MHz) 6585.0V 6705.0V 6735.0V 6825.0V

Side	Emission	Tx Power (dBm)	EIRP (dBm)
--- Side A	1M00D1D	35.0	62.0

*** Coordination Prior to update of experimental license. ***

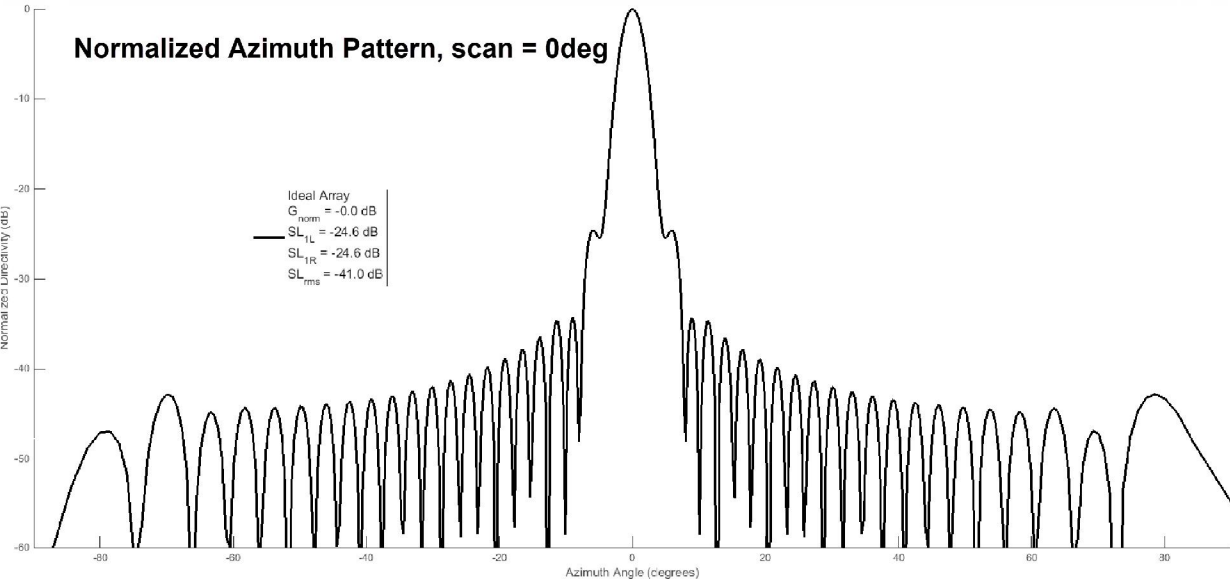
*** Testing will only occur during daylight hours ***

*** Co-pole antenna pattern attached for reference ***

*** Please contact Robert Barnes at 972-603-1790 to report interference ***

Dragon Antenna Data for FCC Permit

Antenna Patterns at Boresight and 45°



Antenna Gain (Tx = Rx)		
Antenna Directivity	33	dBi
Array Width	1.15	m
Array Height	0.61	m
Array Physical Area	0.7015	m ²
Operating Wavelength	0.05	m
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Antenna Losses	5.75	dB
VSWR	0.5	dB
Feed Horn	0.25	dB
Spillover	1	dB
Slats	3	dB
Radome	0.5	dB
Sidelobe Weighting	0.5	dB
Antenna Gain	27.25	dB