

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

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File: L1905115 - 1

Original PCN Date: April 17, 2019

Company: Lockheed Martin Corporation

FRN 0002149359

Site Name, State Snyder EW Site, TX
Call Sign/County /Scurry
Latitude N (NAD83) 32 42 04.7
Longitude W (NAD83) 100 57 04.3
Azimuth (degrees) Varies from 260 through 230 degrees

Transmit Ant Model PHASED ARRAY
Antenna Manufacturer DRAGON ANTENNA
Gain/Beamwidth (dbi/deg) 27.0/2.0
Antenna Height AGL (ft/m) 80.0/24.4

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

Equipment Manufacturer ALL MANUFACTURERS
Equipment Model GX800-U6-LINK
Stability (%) 0.001

Transmit Frequencies (MHz) (6550.5 - 6559.5)V
(6860.5 - 6869.5)V

	Emission	Tx Power (dBm)	EIRP (dBm)
--- Side A	1M00D1D	63.0	90.0

*** Coordination prior to update of experimental license ***

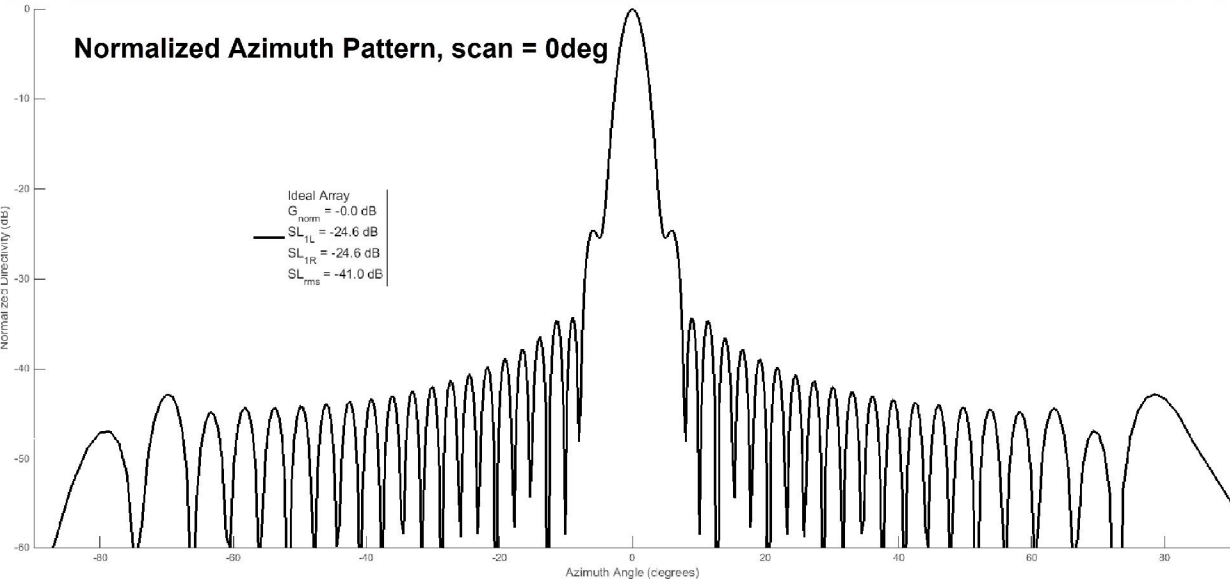
*** Testing will only occur during daylight hours ***

*** 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