

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

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File: M2008013 - 1  
Original PCN Date: March 24, 2020  
Company: Lockheed Martin Corporation  
FRN: 0002149359

Site Name, State Grand Prairie TX, TX  
Call Sign/County Dallas  
City Grand Prairie  
Latitude N (NAD83) 32 43 03.0  
Longitude W (NAD83) 097 01 42.0  
Azimuth Ranges (degrees) 70-110 & 250-290  
Elevation AMSL (ft/m) 537.7/163.9

Transmit-Receive Ant Model WR137 HORN  
Antenna Manufacturer ADVANCED TECHNICAL MATERIALS  
Gain (dbi) 10.0/15.0/20.0  
Antenna Height AGL (ft/m) 110.0/33.5  
Tilt (degrees) Between -1.5 and -30

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

Tx Frequency Range (MHz) (6582.5 - 6597.5)V  
(6647.5 - 6657.5)V  
(6772.5 - 6787.5)V  
(6817.5 - 6832.5)V

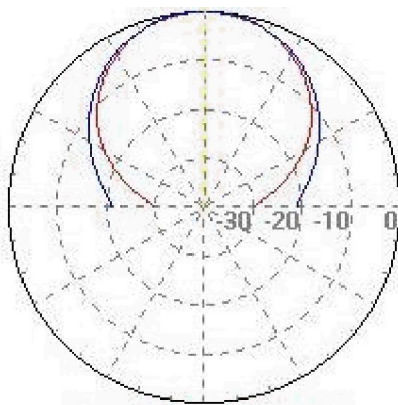
| Emission        | Tx Power (dBm) | EIRP (dBm)     |
|-----------------|----------------|----------------|
| 10M0D7W/15M0D7W | 20.0           | 30.0/35.0/40.0 |

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

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

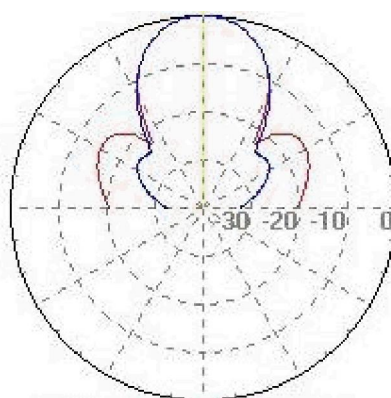
\*\*\* Antenna Pattern for the 3 horns are attached for reference

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



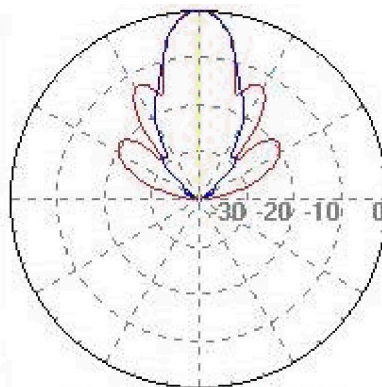
— Typical E-Plane Pattern  
— Typical H-Plane Pattern

**Typical 10dB Gain**



— Typical E-Plane Pattern  
— Typical H-Plane Pattern

**Typical 15dB Gain**



— Typical E-Plane Pattern  
— Typical H-Plane Pattern

**Typical 20dB Gain**