

COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA, 20147

(703)726-5705 www.comsearch.com

PCN Date: 03/25/2005

Job Number: 050325COMSNB01

New Path

RCN Number: 05032527

Administrative Information**18A FL**

Status / License Basis PROPOSED / PRIMARY OPERATION
 Call Sign
 Licensee Code XYTRAN
 Licensee Name Xytrans, Inc.
 Radio Service / Station Class MG -- Microwave Industrial/Business Pool

18B FL

PROPOSED / PRIMARY OPERATION
 XYTRAN
 Xytrans, Inc.
 FXO -- Fixed

Site Information

Latitude (NAD 83)	28 ° 27' 25.1" N	28 ° 27' 25.2" N
Longitude (NAD 83)	81 ° 27' 9.4" W	81 ° 27' 13.0" W
Ground Elevation (m/ft-AMSL)	22.25 / 73.0	22.25 / 73.0
Antenna Structure Registration #		
Path Azimuth (°)	271.800	91.800
Path Length (km / miles)	0.098 / 0.061	

Transmit Antenna

87012A
 ANDREW CORPORATION
 VHL P2-18
 Gain (dBi) / Beamwidth (°) / Tilt (°) 38.7 / 2.10 / 12.79
 Centerline (m / ft - AGL) 9.75 / 32.0

87012A
 ANDREW CORPORATION
 VHL P2-18
 38.7 / 2.10 / -12.79
 32.00 / 105.0

Receive Antenna

Same As Transmit

Manufacturer
 Model
 Gain (dBi) / Beamwidth (°)
 Centerline (m / ft - AGL)

Diversity Receive Antenna

Manufacturer
 Model
 Gain (dBi) / Beamwidth (°)
 Centerline (m / ft - AGL)

Radio Information

TEMG55

Manufacturer XYTRANS, INC.
 Model XDS18-10
 Model Description
 Emission Designator / Modulation 40M0W1D 16/32/64/128/256 QAM / qpsk
 Loading 2016CH DIG 155000.000
 Stability (%) 0.0001

	Nominal	Coordinated	Maximum
Power (dBm)		21.0	
Received Level (dBm)		0.7	
EIRP (dBm)		59.7	

Fixed Loss: Tx / Common (dB) 0.0 / 0.0
 Free Space Loss (dB) 97.7

TEMG55

XYTRANS, INC.
 XDS18-10
 40M0W1D 16/32/64/128/256 QAM / qpsk
 2016CH DIG 155000.000
 0.0001

	Nominal	Coordinated	Maximum
		21.0	
		0.7	
		59.7	

0.0 / 0.0

Transmit Frequencies (MHz) 17760.0000V(2)

19320.0000V(2)

COMSEARCH

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Job Number 050325COMSNB01

RCN Number: 05032527

Administrative Information 23A FL

Status / License Basis PROPOSED / PRIMARY OPERATION
 Call Sign
 Licensee Code XYTRAN
 Licensee Name Xytrans, Inc.
 Radio Service / Station Class MG -- Microwave Industrial/Business Pool

23B FL

PROPOSED / PRIMARY OPERATION
 XYTRAN
 Xytrans, Inc.
 FXO -- Fixed

Site Information

Latitude (NAD 83)	28 ° 27' 25.0" N	28 ° 27' 25.0" N
Longitude (NAD 83)	81 ° 27' 9.4" W	81 ° 27' 13.0" W
Ground Elevation (m/ft-AMSL)	22.25 / 73.0	22.25 / 73.0
Antenna Structure Registration #		
Path Azimuth (°)	270.018	90.018
Path Length (km / miles)	0.098 / 0.061	

Transmit Antenna

Manufacturer	87016A	87016A
Model	ANDREW CORPORATION	ANDREW CORPORATION
Gain (dBi) / Beamwidth (°) / Tilt (°)	VHLP2-23	VHLP2-23
Centerline (m / ft - AGL)	40.4 / 1.70 / -0.00	40.4 / 1.70 / -0.00
	9.75 / 32.0	9.75 / 32.0

Receive Antenna

Same As Transmit

Manufacturer
 Model
 Gain (dBi) / Beamwidth (°)
 Centerline (m / ft - AGL)

Diversity Receive Antenna

Manufacturer
 Model
 Gain (dBi) / Beamwidth (°)
 Centerline (m / ft - AGL)

Radio Information

Manufacturer	TEMG54	TEMG54
Model	XYTRANS, INC.	XYTRANS, INC.
Model Description	XDS23-10	XDS23-10
Emission Designator / Modulation	50M0W1D 16/32/64/128/256 QAM / qpsk	50M0W1D 16/32/64/128/256 QAM / qpsk
Loading	2016CH DIG 155000.000	2016CH DIG 155000.000
Stability (%)	0.0001	0.0001
	Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm)	21.0	21.0
Received Level (dBm)	0.6	0.6
EIRP (dBm)	60.4	60.4
Fixed Loss: Tx / Common (dB)	0.0 / 1.0	0.0 / 1.0
Free Space Loss (dB)		99.2

Transmit Frequencies (MHz) 21425.0000V(5)

22625.0000V(5)