

COMSEARCH  
2002 Edmund Halley Drive  
Reston, VA 20191  
(703) 620-6300

PREVIOUS PCN LETTER DATE: 05/23/2000

CURRENT PCN DATE: 06/07/2000

CURRENT JOB/RCN NUMBER: 000607AN01/00060710

## MICROWAVE PATH DATA

|                           |            |       |            |    |
|---------------------------|------------|-------|------------|----|
| STATION NAME              | WDCP009A   | DC    | WDCP004    | DC |
| PATH STATUS               | PROPOSED   |       |            |    |
| CALL SIGN                 | WDCP009A   |       | WDCP004    |    |
| OWNER CODE                | BACLIN     |       | BACLIN     |    |
| LATITUDE (D-M-S) (NAD83)  | 38 54 17.0 |       | 38 54 2.7  |    |
| LONGITUDE (D-M-S) (NAD83) | 77 1 59.4  |       | 77 2 3.3   |    |
| GROUND ELEV (Ft/m-AMSL)   | 77.0/23.47 |       | 65.0/19.81 |    |
| PATH AZIMUTH (Deg)        | 192.031    |       | 12.030     |    |
| PATH DISTANCE (Miles)     |            | 0.280 |            |    |
| (Km)                      |            | 0.451 |            |    |

## ANTENNA

|                          |    |                 |                 |
|--------------------------|----|-----------------|-----------------|
| PRIMARY                  | TX | RADIO WAVES INC | RADIO WAVES INC |
|                          |    | HP2-23          | HP2-23          |
| ANT CODE                 |    | RD1150          | RD1150          |
| GAIN(dBi)/BEAMWIDTH(Deg) |    | 40.4/1.70       | 40.4/1.70       |
| C/L (Ft/m-AGL)           |    | 156.0/47.55     | 158.0/48.16     |
| PRIMARY                  | RX |                 |                 |

SAME AS TRANSMITTER

ANT CODE  
GAIN(dBi)/BEAMWIDTH(Deg)  
C/L (Ft/m-AGL)  
DIVERSITY RX

ANT CODE  
GAIN(dBi)/BEAMWIDTH(Deg)  
C/L (Ft/m-AGL)

## EQUIPMENT

|                          |                      |                      |
|--------------------------|----------------------|----------------------|
| TRANSMITTER MANUFACTURER | DIGITAL MICROWAVE CO | DIGITAL MICROWAVE CO |
| TRANSMITTER MODEL        | ALTUM SDH/SONET 0C3  | ALTUM SDH/SONET 0C3  |
| COMSEARCH INTERNAL ID    | TEM842               | TEM842               |
| EMISSION                 | 28M0D7W              | 28M0D7W              |
| LOADING                  | 2016CH DIG           | 2016CH DIG           |
| STABILITY (%)            | 0.000300             | 0.000300             |
| POWER (dBm/Watts)        | 7.0/0.005            | 7.0/0.005            |
| FIXED LOSS: TX/COM (dB)  | 0.0/2.0              | 0.0/2.0              |
| EIRP (dBm/Watts)         | 45.4/34.7            | 45.4/34.7            |
| FREE SPACE LOSS (dB)     |                      | 112.4                |
| RECEIVED LEVEL (dBm)     | -28.6                | -28.6                |

TRANSMIT 21275.00000V  
FREQUENCIES  
(MHZ)

22475.00000V

BACLIN = BACKLINK LLC