

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

<u>PRIMARY</u> 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
<u>PRIMARY</u> 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	ALTIUM SDH/SONET 0C3	ALTIUM 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
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TRANSMIT 21275.00000V	22475.00000V
FREQUENCIES	
(MHZ)	

BACLIN = BACKLINK LLC