

COMSEARCH
 19700 Janelia Farm Blvd.
 Ashburn, VA 20147
 (703) 726-5500

NEW PATH
 CURRENT JOB/RCN NUMBER: 010629KN01/01062913 CURRENT PCN DATE: 06/29/2001

MICROWAVE PATH DATA
 STATION NAME WILDFLOWER TX HINGE TX
 PATH STATUS PROPOSED
 CALL SIGN
 OWNER CODE ERICSS ERICSS
 LATITUDE (D-M-S) (NAD83) 33 4 26.6 33 4 17.8
 LONGITUDE (D-M-S) (NAD83) 96 49 59.8 96 49 50.7
 GROUND ELEV (Ft/m-AMSL) 675.0/205.73 234.0/71.32
 PATH AZIMUTH (Deg) 138.953 318.955
 PATH DISTANCE (Miles) 0.223
 (Km) 0.359

ANTENNA
 PRIMARY TX ERICSSON COMMS ERICSSON COMMS
 1301-UKY 1301-UKY
 ANT CODE 91301E 91301E
 GAIN(dBi)/BEAMWIDTH(Deg) 40.0/2.60 40.0/2.60
 C/L (Ft/m-AGL) 55.0/16.77 55.0/16.77
 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 ERICSSON RADAR ELECT ERICSSON RADAR ELECT
 TRANSMITTER MODEL 4648 4648
 COMSEARCH INTERNAL ID TEMA17 TEMA17
 EMISSION 7M00F7W 7M00F7W
 LOADING 96 CH DIG 96 CH DIG
 STABILITY (%) 0.000100 0.000100
 POWER (dBm/Watts) 10.0/0.010 10.0/0.010
 FIXED LOSS: TX/COM (dB) 0.0/0.0 0.0/0.0
 EIRP (dBm/Watts) 50.0/100.0 50.0/100.0
 FREE SPACE LOSS (dB) 110.5
 RECEIVED LEVEL (dBm) -20.5 -20.5
 TRANSMIT 21975.00000V 23175.00000V
 FREQUENCIES
 (MHZ)

ERICSS = ERICSSON INC

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CURRENT PCN DATE: 06/29/2001

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MICROWAVE PATH DATA

<u>STATION NAME</u>	HINGE	TX	RIVER	TX
PATH STATUS	PROPOSED			
CALL SIGN				
OWNER CODE	ERICSS		ERICSS	
LATITUDE (D-M-S) (NAD83)	33 4 17.8		33 4 31.8	
LONGITUDE (D-M-S) (NAD83)	96 49 50.7		96 50 3.0	
GROUND ELEV (Ft/m-AMSL)	675.0/205.73		675.0/205.73	
PATH AZIMUTH (Deg)	323.509		143.507	
PATH DISTANCE (Miles)		0.333		
(Km)		0.536		

ANTENNA

<u>PRIMARY</u>	<u>TX</u>		
		ERICSSON COMMS	ERICSSON COMMS
		1301-UKY	1301-UKY
ANT CODE		91301E	91301E
GAIN(dBi)/BEAMWIDTH(Deg)		40.0/2.60	40.0/2.60
C/L (Ft/m-AGL)		55.0/16.77	55.0/16.77
<u>PRIMARY</u>	<u>RX</u>		

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	ERICSSON RADAR ELECT	ERICSSON RADAR ELECT
TRANSMITTER MODEL	4648	4648
COMSEARCH INTERNAL ID	TEMA17	TEMA17
EMISSION	7M00F7W	7M00F7W
LOADING	96 CH DIG	96 CH DIG
STABILITY (%)	0.000100	0.000100
POWER (dBm/Watts)	10.0/0.010	10.0/0.010
FIXED LOSS: TX/COM (dB)	0.0/0.0	0.0/0.0
EIRP (dBm/Watts)	50.0/100.0	50.0/100.0
FREE SPACE LOSS (dB)		113.9
RECEIVED LEVEL (dBm)	-23.9	-23.9
TRANSMIT FREQUENCIES (MHZ)	23125.00000V	21925.00000V

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