

Microwave Path Data Sheet
COMSEARCH

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19700 Janelia Farm Boulevard, Ashburn, VA, 20147
(703)726-5810 www.comsearch.com

PCN Date: 12/09/2004
Job Number: 041209COMSKN01

New Path
RCN Number: 04120917

Administrative Information

Status / License Basis
Call Sign
Licensee Code
Licensee Name
Radio Service / Station Class

PLATFORM MD

PROPOSED / PRIMARY OPERATION

S03997
HARRIS CORPORATION
FXO -- Fixed

COMMAND CONTROL MD

PROPOSED / PRIMARY OPERATION

S03997
HARRIS CORPORATION
FXO -- Fixed

Site Information

Latitude (NAD 83) 38 ° 32' 26.0" N
Longitude (NAD 83) 76 ° 16' 36.0" W
Ground Elevation (m/ft-AMSL) 0.60 / 2.0
Antenna Structure Registration #
Path Azimuth (°) 130.324
Path Length (km / miles) 0.057 / 0.036

38 ° 32' 24.8" N
76 ° 16' 34.2" W
0.30 / 1.0
310.324

Transmit Antenna

Manufacturer UBCORP
Model AOH222310HT
Gain (dB) / Beamwidth (°) 6.0
Centerline (m / ft - AGL) 7.00/23.0

DIRECTIONAL
HYPERLINK
HG2415P
15.0
1.83 / 6.0

Receive Antenna

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

Same As Transmit

Diversity Receive Antenna

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

Radio Information

Manufacturer HARRIS CORP
Model SecNet 11 PCMCIA
Model Description
Emission Designator / Modulation 22M0G1D
Loading DIGITAL
Stability (%) 0.001
Nominal Coordinated Maximum
Power (Watts/dBm) 10.0/40.0
ERP (Watts/dBm) 20.0/43.01

TX Loss: (Watts/dB) 0.002/2.99
Free Space Loss (dB) 75.4

HARRIS CORP
SecNet 11 PCMCIA

22M0G1D
DIGITAL
0.001
Nominal Coordinated Maximum
10.0/40.0
193/52.86

0.002/2.14

Transmit Frequencies Range (MHz)

2421.0V – 2443.0V
2451.0V – 2473.0V

2421.0V – 2443.0V
2451.0V – 2473.0V

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Supplemental Showing Pursuant To:

74.638 Frequency Coordination
101.103 (d) Frequency Coordination Procedures

Reference:

HARRIS CORPORATION
Job Number: 041209COMSKN01
PLATFORM - COMMAND CONTROL, MD.
2.4 GHz VIDEO MICROWAVE SYSTEM
"EXPERIMENTAL LICENSE"

*** Expedited Response Requested By December 22, 2004 ***

The results of the study indicate the proposed frequencies for the above referenced microwave system do not cause interference conflicts with any existing or applied-for facilities in the area. Coordination data for the above referenced microwave route was forwarded to the existing licensees and applicants whose facilities could be affected on December 9, 2004.

The following carriers or their designated coordination agents were notified, and there are no unresolved interference objections.

Licensees

ALEXANDRIA CITY VIRGINIA			
RXONLY	WPHX997		
BLUE RIDGE PUBLIC TELEVISION			
RXONLY	WLE756		
CBS BROADCASTING INC			
KY2975	RXONLY	WHF269	WPRS422
CHAMBERSBURG POLICE DEPARTMENT			
RXONLY	WPOL479		
COMMONWEALTH PUBLIC BROADCASTING			
RXONLY	WHG427		
COUNTY OF BERKS			
RXONLY	WPZQ422		
DELAWARE DEPARTMENT OF JUSTICE			
RXONLY	WPJD348		
FAIRFAX CITY FIRE RESCUE			
RXONLY	WPTE376		
FAIRFAX COUNTY			
RXONLY	WPXQ446		
HENRICO COUNTY POLICE DEPARTMENT			
RXONLY	WPLV677		
NBC TELEMUNDO LICENSE CO.			
RXONLY	WSA42		
NBC TELEMUNDO LICENSE CO. - WCAU			
KB55025	RXONLY	RXSITE	WLO816
NEW YORK TIMES MANAGEMENT SERVICES			
KE5641	RXONLY		
NEWPORT NEWS CITY OF INFORMATION TECH			
RXONLY	WPLU547	WPUH231	
NORFOLK CITY			
RXONLY	WPRG962		
PHILADELPHIA GAS WORKS			
RXONLY	WNTR466		
PRINCE GEORGES COUNTY GOVERNMENT			

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(Continued)

TEMPYRX WNTW813
PENNSYLVANIA EDUCATIONAL COMM SYSTEMS
KD55019 LAMBSGAP
PIKESVILLE TOWN VOLUNTEER FIRE CO.
RXONLY WPQY575
RICHMOND POLICE DEPARTMENT
RXONLY WNTU362
SBE - CHESAPEAKE/NORFOLK VIRGINIA
SBE - DE, S. NJ, PHILLY, S.E. PA
SBE - DENNY & ASSOC., WASHINGTON DC
SBE - ENTIRE STATE OF MARYLAND
SALISBURY CITY FIRE DEPARTMENT
RXONLY WPQD604
VIRGINIA BROADCASTING CORP
KC24059 KC24876 RXONLY
WGAL HEARST-ARGYLE TELEVISION INC
KB98014 RXONLY
WITF INC.
DAUPHINR KC62818
WYOMISSING POLICE DEPARTMENT
RXONLY WPJB930
YEADON FIRE COMPANY 1 INC
RXONLY WPQY228

RESPECTFULLY SUBMITTED,
COMSEARCH



/S/ KARUNA NUON
ENGINEER