

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

NEW PATH

CURRENT PCN DATE: 02/15/2002

CURRENT JOB/RCN NUMBER: 020215AN02/02021531

MICROWAVE PATH DATA
STATION NAME BLMR01C MD BLMR01C008 MD
PATH STATUS PROPOSED

CALL SIGN

OWNER CODE

LATITUDE (D-M-S) (NAD83) 39 17 29.3

LONGITUDE (D-M-S) (NAD83) 76 36 53.6

GROUND ELEV (Ft/m-AMSL) 36.8/11.23

PATH AZIMUTH (Deg) 210.141

PATH DISTANCE (Miles) 0.386
(Km) 0.620

ANTENNA

PRIMARY TX

RADIO WAVES INC

RADIO WAVES INC

HPLP1.5-23

HPLP1.5-23

ANT CODE

96989R

96989R

GAIN(dBi)/BEAMWIDTH(Deg)

37.2/2.10

37.2/2.10

C/L (Ft/m-AGL)

387.0/117.96

342.0/104.24

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

DMC STRATEX NETWORKS

DMC STRATEX NETWORKS

TRANSMITTER MODEL

JXB23XP4-DS3

JXB23XP4-DS3

COMSEARCH INTERNAL ID

TEM840

TEM840

EMISSION

40M0F7W

40M0F7W

LOADING

672 CH DIG

672 CH DIG

STABILITY (%)

0.001000

0.001000

POWER (dBm/Watts)

11.0/0.013

11.0/0.013

RECEIVED LEVEL (dBm)

-29.8

-29.8

EIRP (dBm/Watts)

48.2/ 66.1

48.2/ 66.1

FIXED LOSS:TX|COMMON(dB)

0.0| 0.0

0.0| 0.0

FREE SPACE LOSS (dB)

115.2

TRANSMIT 22775.00000V

21575.00000V

FREQUENCIES

(MHZ)

ACCBAL = ACCELACOM

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NEW PATH

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MICROWAVE PATH DATA
STATION NAME BLMR01C MD BLMR01C004 MD
PATH STATUS PROPOSED

CALL SIGN

OWNER CODE

LATITUDE (D-M-S) (NAD83) 39 17 29.3

LONGITUDE (D-M-S) (NAD83) 76 36 53.6

GROUND ELEV (Ft/m-AMSL) 36.8/11.23

PATH AZIMUTH (Deg) 215.358

PATH DISTANCE (Miles) 0.216
(Km) 0.348

ANTENNA

PRIMARY TX

RADIO WAVES INC

RADIO WAVES INC

HPLP1.5-23

HPLP1.5-23

ANT CODE

96989R

96989R

GAIN(dBi)/BEAMWIDTH(Deg)

37.2/2.10

37.2/2.10

C/L (Ft/m-AGL)

386.0/117.65

319.0/97.23

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

DMC STRATEX NETWORKS

DMC STRATEX NETWORKS

TRANSMITTER MODEL

JXB23XP4-DS3

JXB23XP4-DS3

COMSEARCH INTERNAL ID

TEM840

TEM840

EMISSION

40M0F7W

40M0F7W

LOADING

672 CH DIG

672 CH DIG

STABILITY (%)

0.001000

0.001000

POWER (dBm/Watts)

5.0/0.003

5.0/0.003

RECEIVED LEVEL (dBm)

-30.8

-30.8

EIRP (dBm/Watts)

42.2/ 16.6

42.2/ 16.6

FIXED LOSS:TX|COMMON(dB)

0.0| 0.0

0.0| 0.0

FREE SPACE LOSS (dB)

110.2

TRANSMIT 22975.00000V

21775.00000V

FREQUENCIES

(MHZ)

ACCBAL = ACCELACOM

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NEW PATH

CURRENT PCN DATE: 02/15/2002

CURRENT JOB/RCN NUMBER: 020215AN02/02021531

MICROWAVE PATH DATA
STATION NAME BLMR02A MD BLMR02A001 MD
PATH STATUS PROPOSED

CALL SIGN

OWNER CODE

LATITUDE (D-M-S) (NAD83) 39 17 16.1

LONGITUDE (D-M-S) (NAD83) 76 36 55.6

GROUND ELEV (Ft/m-AMSL) 17.8/5.43

PATH AZIMUTH (Deg) 67.619

PATH DISTANCE (Miles) 0.161
(Km) 0.259

ANTENNA

PRIMARY TX

RADIO WAVES INC

RADIO WAVES INC

HPLP1.5-23

HPLP1.5-23

ANT CODE

96989R

96989R

GAIN(dBi)/BEAMWIDTH(Deg)

37.2/2.10

37.2/2.10

C/L (Ft/m-AGL)

333.0/101.50

297.0/90.53

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

DMC STRATEX NETWORKS

DMC STRATEX NETWORKS

TRANSMITTER MODEL

JXB23XP4-DS3

JXB23XP4-DS3

COMSEARCH INTERNAL ID

TEM840

TEM840

EMISSION

40M0F7W

40M0F7W

LOADING

672 CH DIG

672 CH DIG

STABILITY (%)

0.001000

0.001000

POWER (dBm/Watts)

3.0/0.002

3.0/0.002

RECEIVED LEVEL (dBm)

-30.2

-30.2

EIRP (dBm/Watts)

40.2/ 10.5

40.2/ 10.5

FIXED LOSS:TX|COMMON(dB)

0.0| 0.0

0.0| 0.0

FREE SPACE LOSS (dB)

107.6

TRANSMIT 21775.00000V

22975.00000V

FREQUENCIES

(MHZ)

ACCBAL = ACCELACOM

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CURRENT JOB/RCN NUMBER: 020215AN02/02021531

MICROWAVE PATH DATA	
STATION NAME	BLMR02A MD BLMR02A002 MD
PATH STATUS	PROPOSED

CALL SIGN

OWNER CODE

LATITUDE (D-M-S) (NAD83) 39 17 16.1

LONGITUDE (D-M-S) (NAD83) 76 36 55.6

GROUND ELEV (Ft/m-AMSL) 17.8/5.43

PATH AZIMUTH (Deg) 82.992

PATH DISTANCE (Miles)	0.267
(Km)	0.430

ANTENNA

PRIMARY TX

RADIO WAVES INC

RADIO WAVES INC

HPLP1.5-23

HPLP1.5-23

ANT CODE

GAIN(dBi)/BEAMWIDTH(Deg) 37.2/2.10

37.2/2.10

C/L (Ft/m-AGL) 334.0/101.80

251.0/76.50

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 DMC STRATEX NETWORKS

DMC STRATEX NETWORKS

TRANSMITTER MODEL JXB23XP4-DS3

JXB23XP4-DS3

COMSEARCH INTERNAL ID TEM840

TEM840

EMISSION 40M0F7W

40M0F7W

LOADING 672 CH DIG

672 CH DIG

STABILITY (%) 0.001000

0.001000

POWER (dBm/Watts) 7.0/0.005

7.0/0.005

RECEIVED LEVEL (dBm) -30.6

-30.6

EIRP (dBm/Watts) 44.2/ 26.3

44.2/ 26.3

FIXED LOSS:TX|COMMON(dB) 0.0| 0.0

0.0| 0.0

FREE SPACE LOSS (dB) 112.0

TRANSMIT 21525.00000V

22725.00000V

FREQUENCIES

(MHZ)

ACCBAL = ACCELACOM

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NEW PATH

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CURRENT JOB/RCN NUMBER: 020215AN02/02021531

MICROWAVE PATH DATA
STATION NAME BLMR01A MD BLMR01A003 MD
PATH STATUS PROPOSED

CALL SIGN

OWNER CODE

LATITUDE (D-M-S) (NAD83) 39 17 28.4

LONGITUDE (D-M-S) (NAD83) 76 36 53.2

GROUND ELEV (Ft/m-AMSL) 33.8/10.30

PATH AZIMUTH (Deg) 122.758

PATH DISTANCE (Miles) 0.011
(Km) 0.017

ANTENNA

PRIMARY TX

RADIO WAVES INC

RADIO WAVES INC

HPLP1.5-23

HPLP1.5-23

ANT CODE

96989R

96989R

GAIN(dBi)/BEAMWIDTH(Deg)

37.2/2.10

37.2/2.10

C/L (Ft/m-AGL)

396.0/120.70

363.0/110.64

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

DMC STRATEX NETWORKS

DMC STRATEX NETWORKS

TRANSMITTER MODEL

JXB23XP4-DS3

JXB23XP4-DS3

COMSEARCH INTERNAL ID

TEM840

TEM840

EMISSION

40M0F7W

40M0F7W

LOADING

672 CH DIG

672 CH DIG

STABILITY (%)

0.001000

0.001000

POWER (dBm/Watts)

-8.0/0.000158

-8.0/0.000158

RECEIVED LEVEL (dBm)

-17.6

-17.6

EIRP (dBm/Watts)

29.2/ 0.8

29.2/ 0.8

FIXED LOSS:TX|COMMON(dB)

0.0| 0.0

0.0| 0.0

FREE SPACE LOSS (dB)

84.0

TRANSMIT 22775.00000V

21575.00000V

FREQUENCIES

(MHZ)

ACCBAL = ACCELACOM

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NEW PATH

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CURRENT JOB/RCN NUMBER: 020215AN02/02021531

MICROWAVE PATH DATA
STATION NAME BLMR01A MD BLMR01A007 MD
PATH STATUS PROPOSED

CALL SIGN

OWNER CODE

LATITUDE (D-M-S) (NAD83) 39 17 28.4

LONGITUDE (D-M-S) (NAD83) 76 36 53.2

GROUND ELEV (Ft/m-AMSL) 33.8/10.30

PATH AZIMUTH (Deg) 152.954

PATH DISTANCE (Miles) 0.295
(Km) 0.474

ANTENNA

PRIMARY TX

RADIO WAVES INC

RADIO WAVES INC

HPLP1.5-23

HPLP1.5-23

ANT CODE

96989R

96989R

GAIN(dBi)/BEAMWIDTH(Deg)

37.2/2.10

37.2/2.10

C/L (Ft/m-AGL)

292.0/89.00

330.0/100.58

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

DMC STRATEX NETWORKS

DMC STRATEX NETWORKS

TRANSMITTER MODEL

JXB23XP4-DS3

JXB23XP4-DS3

COMSEARCH INTERNAL ID

TEM840

TEM840

EMISSION

40M0F7W

40M0F7W

LOADING

672 CH DIG

672 CH DIG

STABILITY (%)

0.001000

0.001000

POWER (dBm/Watts)

8.0/0.006

8.0/0.006

RECEIVED LEVEL (dBm)

-30.5

-30.5

EIRP (dBm/Watts)

45.2/ 33.1

45.2/ 33.1

FIXED LOSS:TX|COMMON(dB)

0.0| 0.0

0.0| 0.0

FREE SPACE LOSS (dB)

112.9

TRANSMIT 22875.00000V

21675.00000V

FREQUENCIES

(MHZ)

ACCBAL = ACCELACOM

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NEW PATH

CURRENT PCN DATE: 02/15/2002

CURRENT JOB/RCN NUMBER: 020215AN02/02021531

MICROWAVE PATH DATA
STATION NAME BLMR01B MD BLMR02A MD
PATH STATUS PROPOSED

CALL SIGN

OWNER CODE

LATITUDE (D-M-S) (NAD83) 39 17 28.1

LONGITUDE (D-M-S) (NAD83) 76 36 53.7

GROUND ELEV (Ft/m-AMSL) 32.8/9.99

PATH AZIMUTH (Deg) 187.015

PATH DISTANCE (Miles) 0.232
(Km) 0.373

ANTENNA

PRIMARY TX

RADIO WAVES INC

HPLP1.5-23

RADIO WAVES INC

HPLP1.5-23

ANT CODE

GAIN(dBi)/BEAMWIDTH(Deg)

C/L (Ft/m-AGL)

PRIMARY RX

96989R

37.2/2.10

386.0/117.65

96989R

37.2/2.10

331.0/100.89

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

TRANSMITTER MODEL

COMSEARCH INTERNAL ID

EMISSION

LOADING

STABILITY (%)

POWER (dBm/Watts)

DMC STRATEX NETWORKS

JXB23XP4-DS3

TEM840

40M0F7W

672 CH DIG

0.001000

5.0/0.003

DMC STRATEX NETWORKS

JXB23XP4-DS3

TEM840

40M0F7W

672 CH DIG

0.001000

5.0/0.003

RECEIVED LEVEL (dBm)

-31.4

-31.4

EIRP (dBm/Watts)

42.2/ 16.6

42.2/ 16.6

FIXED LOSS:TX|COMMON(dB)

0.0| 0.0

0.0| 0.0

FREE SPACE LOSS (dB)

110.8

TRANSMIT 22925.00000V

21725.00000V

FREQUENCIES

(MHZ)

ACCBAL = ACCELACOM

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NEW PATH

CURRENT PCN DATE: 02/15/2002

CURRENT JOB/RCN NUMBER: 020215AN02/02021531

MICROWAVE PATH DATA
STATION NAME BLMR01B MD BLMR01B005 MD
PATH STATUS PROPOSED

CALL SIGN

OWNER CODE

LATITUDE (D-M-S) (NAD83) 39 17 28.1

LONGITUDE (D-M-S) (NAD83) 76 36 53.7

GROUND ELEV (Ft/m-AMSL) 32.8/9.99

PATH AZIMUTH (Deg) 205.168

PATH DISTANCE (Miles) 0.091
(Km) 0.147

ANTENNA

PRIMARY TX

RADIO WAVES INC

RADIO WAVES INC

HPLP1.5-23

HPLP1.5-23

ANT CODE

96989R

96989R

GAIN(dBi)/BEAMWIDTH(Deg)

37.2/2.10

37.2/2.10

C/L (Ft/m-AGL)

388.0/118.26

243.0/74.07

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

DMC STRATEX NETWORKS

DMC STRATEX NETWORKS

TRANSMITTER MODEL

JXB23XP4-DS3

JXB23XP4-DS3

COMSEARCH INTERNAL ID

TEM840

TEM840

EMISSION

40M0F7W

40M0F7W

LOADING

672 CH DIG

672 CH DIG

STABILITY (%)

0.001000

0.001000

POWER (dBm/Watts)

-2.0/0.000631

-2.0/0.000631

RECEIVED LEVEL (dBm)

-30.3

-30.3

EIRP (dBm/Watts)

35.2/ 3.3

35.2/ 3.3

FIXED LOSS:TX|COMMON(dB)

0.0| 0.0

0.0| 0.0

FREE SPACE LOSS (dB)

102.7

TRANSMIT 22825.00000V

21625.00000V

FREQUENCIES

(MHZ)

ACCBAL = ACCELACOM

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NEW PATH

CURRENT PCN DATE: 02/15/2002

CURRENT JOB/RCN NUMBER: 020215AN02/02021531

MICROWAVE PATH DATA
STATION NAME BLMR01B MD BLMR01B006 MD
PATH STATUS PROPOSED

CALL SIGN

OWNER CODE

LATITUDE (D-M-S) (NAD83) 39 17 28.1

LONGITUDE (D-M-S) (NAD83) 76 36 53.7

GROUND ELEV (Ft/m-AMSL) 32.8/9.99

PATH AZIMUTH (Deg) 183.328

PATH DISTANCE (Miles) 0.282
(Km) 0.454

ANTENNA

PRIMARY TX

RADIO WAVES INC

RADIO WAVES INC

HPLP1.5-23

HPLP1.5-23

ANT CODE

96989R

96989R

GAIN(dBi)/BEAMWIDTH(Deg)

37.2/2.10

37.2/2.10

C/L (Ft/m-AGL)

387.0/117.96

268.0/81.69

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

DMC STRATEX NETWORKS

DMC STRATEX NETWORKS

TRANSMITTER MODEL

JXB23XP4-DS3

JXB23XP4-DS3

COMSEARCH INTERNAL ID

TEM840

TEM840

EMISSION

40M0F7W

40M0F7W

LOADING

672 CH DIG

672 CH DIG

STABILITY (%)

0.001000

0.001000

POWER (dBm/Watts)

8.0/0.006

8.0/0.006

RECEIVED LEVEL (dBm)

-30.1

-30.1

EIRP (dBm/Watts)

45.2/ 33.1

45.2/ 33.1

FIXED LOSS:TX|COMMON(dB)

0.0| 0.0

0.0| 0.0

FREE SPACE LOSS (dB)

112.5

TRANSMIT 22725.00000H

21525.00000H

FREQUENCIES

(MHZ)

ACCBAL = ACCELACOM