

COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA, 20147
(703)726-5826 www.comsearch.com

PCN Date: 03/22/2004
Job Number: 040322COMSKD03

Previous PCN Date: 12/19/2003
RCN Number: 04032210

Administrative Information**MOOSE MTN NH**

Status / License Basis PROPOSED / PRIMARY OPERATION
Call Sign WMS448
Licensee Code RCCATL
Licensee Name RCC Atlantic, Inc.
Radio Service / Station Class CF -- Point-to-Point Microwave, Common Carrier

SNOW MTN NH

PROPOSED / PRIMARY OPERATION
WML840
RCCATL
RCC Atlantic, Inc.
FXO -- Fixed

Site Information

Latitude (NAD 83) 43 ° 42' 30.0" N
Longitude (NAD 83) 72 ° 9' 14.0" W
Ground Elevation (m/ft-AMSL) 558.00 / 1830.7
Antenna Structure Registration # 1034695
Path Azimuth (°) 187.459
Path Length (km / miles) 14.691 / 9.129

43 ° 34' 38.0" N
72 ° 10' 39.0" W
574.50 / 1884.8
1223417
7.443

Transmit Antenna

S90901

Manufacturer RADIO FREQUENCY SYSTEMS
Model UXA6-59A LF
Gain (dBi) / Beamwidth (°) / Tilt (°) 38.7 / 1.90 / -0.05
Centerline (m / ft - AGL) 53.34 / 175.0

S92251

RADIO FREQUENCY SYSTEMS
UXA8-59A LF
41.3 / 1.50 / -0.05
36.58 / 120.0

Receive Antenna

Same As Transmit

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

Diversity Receive Antenna

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

Radio Information

TEM663

Manufacturer MICROWAVE NETWORKS
Model LBW-CM6HC-28DS1/1DS3
Model Description CM6
Emission Designator / Modulation 10M0D7W 64 QAM
Loading 672 CH DIG 49116.000
Stability (%) 0.001

TEM663

MICROWAVE NETWORKS
LBW-CM6HC-28DS1/1DS3
CM6
10M0D7W 64 QAM
672 CH DIG 49116.000
0.001

	Nominal	Coordinated	Maximum
Power (dBm)		22.5	
Received Level (dBm)		-35.1	
EIRP (dBm)		<u>55.2</u>	

	Nominal	Coordinated	Maximum
		22.5	
		<u>-38.1</u>	
		60.8	

Fixed Loss: Tx / Common (dB) 3.0 / 3.0
Free Space Loss (dB) 131.6

0.0 / 3.0

Transmit Frequencies (MHz) 6103.3300H(5)

6355.3700H(5)

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Administrative Information**MOOSE MTN NH****NEWBURY VT**

Status / License Basis PROPOSED / PRIMARY OPERATION
Call Sign WMS448
Licensee Code RCCATL
Licensee Name RCC Atlantic, Inc.
Radio Service / Station Class CF -- Point-to-Point Microwave, Common Carrier

PROPOSED / PRIMARY OPERATION
WMS671
RCCATL
RCC Atlantic, Inc.
FXO -- Fixed

Site Information

Latitude (NAD 83) 43 ° 42' 30.0" N
Longitude (NAD 83) 72 ° 9' 14.0" W
Ground Elevation (m/ft-AMSL) 558.00 / 1830.7
Antenna Structure Registration # 1034695
Path Azimuth (°) 1.606
Path Length (km / miles) 38.372 / 23.843

44 ° 3' 12.8" N
72 ° 8' 25.7" W
390.00 / 1279.5
1042098
181.615

Transmit Antenna

S93000

S93000

Manufacturer RADIO FREQUENCY SYSTEMS
Model DA8-59A
Gain (dBi) / Beamwidth (°) / Tilt (°) 41.3 / 1.50 / -0.50
Centerline (m / ft - AGL) 105.16 / 345.0

RADIO FREQUENCY SYSTEMS
DA8-59A
41.3 / 1.50 / 0.24
22.86 / 75.0

Receive Antenna

Same As Transmit

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

Diversity Receive Antenna

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

Radio Information

TEM663

TEM663

Manufacturer MICROWAVE NETWORKS
Model LBW-CM6HC-28DS1/1DS3
Model Description CM6
Emission Designator / Modulation 10M0D7W 64 QAM
Loading 672 CH DIG 49116.000
Stability (%) 0.001

MICROWAVE NETWORKS
LBW-CM6HC-28DS1/1DS3
CM6
10M0D7W 64 QAM
672 CH DIG 49116.000
0.001

	Nominal	Coordinated	Maximum
Power (dBm)		29.0	
Received Level (dBm)		-36.4	
EIRP (dBm)		64.3	

	Nominal	Coordinated	Maximum
Power (dBm)		29.0	
Received Level (dBm)		-36.4	
EIRP (dBm)		68.3	

Fixed Loss: Tx / Common (dB) 0.0 / 6.0
Free Space Loss (dB) 140.0

0.0 / 2.0

Transmit Frequencies (MHz) 6093.4500V(4)

6345.4900V(4)

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PCN Date: 03/22/2004
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Previous PCN Date: 02/12/2004
RCN Number: 04032210

Administrative Information**PICO PEAK VT****E DORSET VT**

Status / License Basis PROPOSED / PRIMARY OPERATION
Call Sign WHD256
Licensee Code RCCATL
Licensee Name RCC Atlantic, Inc.
Radio Service / Station Class CF -- Point-to-Point Microwave, Common Carrier

PROPOSED / PRIMARY OPERATION
WMJ757
RCCATL
RCC Atlantic, Inc.
FXO -- Fixed

Site Information

Latitude (NAD 83) 43 ° 38' 23.2" N
Longitude (NAD 83) 72 ° 50' 6.4" W
Ground Elevation (m/ft-AMSL) 1205.00 / 3953.4
Antenna Structure Registration # 1042153
Path Azimuth (°) 199.328
Path Length (km / miles) 47.428 / 29.471

43 ° 14' 12.4" N
73 ° 1' 42.1" W
640.00 / 2099.7
1042101
19.195

Transmit Antenna

43496A
Manufacturer ANDREW CORPORATION
Model UHP8-59W RF
Gain (dBi) / Beamwidth (°) / Tilt (°) 41.9 / 1.50 / -0.84
Centerline (m / ft - AGL) 15.24 / 50.0

54449A
ANDREW CORPORATION
PL8-59WB
41.9 / 1.40 / 0.52
15.24 / 50.0

Receive Antenna

Same As Transmit

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

Diversity Receive Antenna

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

Radio Information

TEM663
Manufacturer MICROWAVE NETWORKS
Model LBW-CM6HC-28DS1/1DS3
Model Description CM6
Emission Designator / Modulation 10M0D7W 64 QAM
Loading 672 CH DIG 49116.000
Stability (%) 0.001
Nominal Coordinated Maximum
Power (dBm) 32.0
Received Level (dBm) -32.0
EIRP (dBm) 70.9
Fixed Loss: Tx / Common (dB) 0.0 / 3.0
Free Space Loss (dB) 141.8

TEM663
MICROWAVE NETWORKS
LBW-CM6HC-28DS1/1DS3
CM6
10M0D7W 64 QAM
672 CH DIG 49116.000
0.001
Nominal Coordinated Maximum
32.0
-32.0
70.9
0.0 / 3.0

Transmit Frequencies (MHz) 6226.8900V(5)

5974.8500V(5)

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Previous PCN Date: 12/19/2003
RCN Number: 04032210

Administrative Information MANN HILL NH

Status / License Basis PROPOSED / PRIMARY OPERATION
Call Sign WMQ415
Licensee Code RCCATL
Licensee Name RCC Atlantic, Inc.
Radio Service / Station Class CF -- Point-to-Point Microwave, Common Carrier

NEWBURY PEAK VT

PROPOSED / PRIMARY OPERATION
WMS446
RCCATL
RCC Atlantic, Inc.
FXO -- Fixed

Site Information

Latitude (NAD 83)	44 ° 21' <u>10.0"</u> N	44 ° 3' <u>12.8"</u> N
Longitude (NAD 83)	71 ° 44' <u>13.0"</u> W	72 ° 8' <u>25.7"</u> W
Ground Elevation (m/ft-AMSL)	615.70 / 2020.0	<u>390.00</u> / <u>1279.5</u>
Antenna Structure Registration #	<u>1034698</u>	1042098
Path Azimuth (°)	<u>224.273</u>	<u>43.991</u>
Path Length (km / miles)	<u>46.324</u> / <u>28.784</u>	

Transmit Antenna

S94800	S94800
Manufacturer RADIO FREQUENCY SYSTEMS	RADIO FREQUENCY SYSTEMS
Model DA8-59A	DA8-59A
Gain (dBi) / Beamwidth (°) / Tilt (°) 41.6 / 1.50 / <u>-0.49</u>	41.6 / 1.50 / 0.17
Centerline (m / ft - AGL) 64.01 / 210.0	22.86 / 75.0

Receive Antenna

Same As Transmit

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

Diversity Receive Antenna

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

Radio Information

TEM663	TEM663
Manufacturer MICROWAVE NETWORKS	MICROWAVE NETWORKS
Model LBW-CM6HC-28DS1/1DS3	LBW-CM6HC-28DS1/1DS3
Model Description CM6	CM6
Emission Designator / Modulation 10M0D7W 64 QAM	10M0D7W 64 QAM
Loading 672 CH DIG 49116.000	672 CH DIG 49116.000
Stability (%) 0.001	0.001
Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm) 32.0	32.0
Received Level (dBm) -32.4	-32.4
EIRP (dBm) 69.6	71.6
Fixed Loss: Tx / Common (dB) 0.0 / 4.0	0.0 / 2.0
Free Space Loss (dB) 141.6	

Transmit Frequencies (MHz) 6063.8000V(1)

6315.8400V(1)

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Administrative Information**HURRICANE VT****SNOW MTN NH**

Status / License Basis PROPOSED / PRIMARY OPERATION
Call Sign WHD257
Licensee Code RCCATL
Licensee Name RCC Atlantic, Inc.
Radio Service / Station Class CF -- Point-to-Point Microwave, Common Carrier

PROPOSED / PRIMARY OPERATION
WHD261
RCCATL
RCC Atlantic, Inc.
FXO -- Fixed

Site Information

Latitude (NAD 83) 43 ° 39' 15.0" N
Longitude (NAD 83) 72 ° 21' 30.0" W
Ground Elevation (m/ft-AMSL) 356.90 / 1170.9
Antenna Structure Registration # 1018904
Path Azimuth (°) 120.292
Path Length (km / miles) 16.917 / 10.512

43 ° 34' 38.0" N
72 ° 10' 39.0" W
574.50 / 1884.8
1223417
300.417

Transmit Antenna

G61710
GABRIEL ELECTRONICS
DDP6P-59
Gain (dBi) / Beamwidth (°) / Tilt (°) 38.5 / 1.70 / 0.73
Centerline (m / ft - AGL) 27.43 / 90.0

G61710
GABRIEL ELECTRONICS
DDP6P-59
38.5 / 1.70 / -0.84
41.15 / 135.0

Receive Antenna

Same As Transmit

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

Diversity Receive Antenna

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

Radio Information

TEM641
MICROWAVE NETWORKS
LBW-CM6HC-3DS3
CM6
Emission Designator / Modulation 30M0D7W 64 QAM
Loading 2016CH DIG 142935.000
Stability (%) 0.001
Nominal Coordinated Maximum
Power (dBm) 29.0
Received Level (dBm) -31.8
EIRP (dBm) 65.5

TEM641
MICROWAVE NETWORKS
LBW-CM6HC-3DS3
CM6
Emission Designator / Modulation 30M0D7W 64 QAM
Loading 2016CH DIG 142935.000
Stability (%) 0.001
Nominal Coordinated Maximum
Power (dBm) 29.0
Received Level (dBm) -31.8
EIRP (dBm) 64.5

Fixed Loss: Tx / Common (dB) 0.0 / 2.0
Free Space Loss (dB) 132.8

0.0 / 3.0

Transmit Frequencies (MHz) 5974.8500V(12T) 6004.5000H(13T) 6226.8900V(22T) 6256.5400H(23T)

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Previous PCN Date: 02/12/2004
RCN Number: 04032210

Administrative Information**SNOW MTN NH****MT ASCUTNEY VT**

Status / License Basis PROPOSED / PRIMARY OPERATION
Call Sign WHD261
Licensee Code RCCATL
Licensee Name RCC Atlantic, Inc.
Radio Service / Station Class CF -- Point-to-Point Microwave, Common Carrier

PROPOSED / PRIMARY OPERATION
WMM454
RCCATL
RCC Atlantic, Inc.
FXO -- Fixed

Site Information

Latitude (NAD 83) 43 ° 34' 38.0" N
Longitude (NAD 83) 72 ° 10' 39.0" W
Ground Elevation (m/ft-AMSL) 574.50 / 1884.8
Antenna Structure Registration # 1223417
Path Azimuth (°) 235.097
Path Length (km / miles) 27.066 / 16.818

43 ° 26' 15.0" N
72 ° 27' 6.0" W
872.00 / 2860.9
1060721
54.908

Transmit Antenna

45701G
Manufacturer GABRIEL ELECTRONICS
Model DRFB6W-5971SE
Gain (dBi) / Beamwidth (°) / Tilt (°) 39.6 / 1.80 / 0.51
Centerline (m / ft - AGL) 51.82 / 170.0

45701G
GABRIEL ELECTRONICS
DRFB6W-5971SE
39.6 / 1.80 / -0.69
36.58 / 120.0

Receive Antenna

Same As Transmit

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

Diversity Receive Antenna

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

Radio Information

TEM663
Manufacturer MICROWAVE NETWORKS
Model LBW-CM6HC-28DS1/1DS3
Model Description CM6
Emission Designator / Modulation 10M0D7W 64 QAM
Loading 672 CH DIG 49116.000
Stability (%) 0.001
Nominal Coordinated Maximum
Power (dBm) 32.0
Received Level (dBm) -31.7
EIRP (dBm) 68.6

TEM663
MICROWAVE NETWORKS
LBW-CM6HC-28DS1/1DS3
CM6
10M0D7W 64 QAM
672 CH DIG 49116.000
0.001
Nominal Coordinated Maximum
32.0
-31.7
68.6

Fixed Loss: Tx / Common (dB) 0.0 / 3.0
Free Space Loss (dB) 136.9

0.0 / 3.0

Transmit Frequencies (MHz) 6375.1400V(7)

6123.1000V(7)