

Doug Vernier, Telecommunications Consultants LLC
Study Using FMCommander Software

Contour-to-Contour Channel Study, Showing No Interference

Vermont Public Co.

REFERENCE
43 39 31.50 N.
73 06 23.60 W.

CH# 204C2 - 88.7 MHz, Pwr= 5.6 kW, HAAT= 407.8 M, COR= 663 M
Average Protected F(50-50)= 51.21 km
Omni-directional

DISPLAY DATES
DATA 06-17-23
SEARCH 06-17-23

| CH CITY | CALL | TYPE ANT STATE | AZI <-- | DIST FILE # | LAT LNG | PWR(kW) HAAT(M) | INT(km) COR(M) | PRO(km) LICENSEE | *IN* (Overlap in km) | *OUT* |
|----------------------------|------|-------------------|----------------|---------------------------|----------------------------|--------------------|-------------------|-------------------------------------|-------------------------|--------|
| 204C2 WRVT Rutland | | LIC DEN VT | 0.0 334.3 | 0.00 BLED20101206ACJ | 43 39 31.20 73 06 23.40 | 4.800 412 | | ---Reference--- | | |
| 204D W204CJ Lake Placid | | LIC _CN NY | 315.2 134.6 | 99.76 BLFT20111012AAB | 44 17 31.90 73 59 23.00 | 0.013 -20 | 10.8 614 | 3.4 Wamc | 34.6 | -34.1* |
| 204A WVTX Colchester | | LIC _CN VT | 357.9 177.8 | 94.47 BLED20170123FLT | 44 30 28.40 73 09 03.20 | 0.260 20 | 24.0 120 | 7.2 Vermont Public Co. | 18.9 | -32.1* |
| 204A WSGU Old Forge | | CP _CN NY | 272.2 90.9 | 149.17 0000166845 | 43 41 39.00 74 57 40.00 | 0.350 124 | 49.0 706 | 12.4 The St. Lawrence University | 47.2 | 0.0** |
| 204A WUMV Milford | | LIC DCN NH | 129.0 309.9 | 144.50 BLED20120525AED | 42 49 58.30 71 43 43.20 | 0.670 12 | 31.1 207 | 9.2 University Of Massachusetts | 58.2 | 2.2 |
| 207A WGOR Lake George | | CP DCN NY | 243.5 63.0 | 58.96 0000166851 | 43 25 12.20 73 45 35.40 | 0.012 384 | 0.2 661 | 12.7 The St. Lawrence University | 2.6 | 41.6 |
| 201B WNCH Norwich | | LIC DCN VT | 114.8 295.2 | 58.21 BLED20120821ABW | 43 26 15.30 72 27 06.30 | 1.550 686 | 2.6 973 | 46.1 Vermont Public Co. | 2.8 | 7.2 |
| 205B1 WVBA Brattleboro | | LIC DCN VT | 155.8 336.2 | 101.03 BLED20180712AAL | 42 49 42.40 72 35 58.60 | 6.200 54 | 29.3 329 | 10.3 Vermont Public Co. | 23.2 | 7.2 |
| 202A WNUB-FM Northfield | | LIC _CN VT | 33.6 213.9 | 64.38 BLED20190205AAG | 44 08 24.20 72 39 34.30 | 0.270 -113 | 1.2 290 | 7.2 The Trustees Of Norwich Un | 11.1 | 52.8 |
| 204D W204CJ Old Forge | | LIC _CN NY | 272.4 91.2 | 150.05 BLFT20000427ACB | 43 42 04.20 74 58 18.60 | 0.019 55 | 11.9 616 | 3.7 The St. Lawrence University | 82.7 | 11.5 |
| 206A WXLQ Bristol | | CP _CN VT | 358.7 178.7 | 62.97 0000159204 | 44 13 30.00 73 07 28.50 | 1.200 183 | 1.8 388 | 27.5 The St. Lawrence University | 11.7 | 30.3 |
| 203C1 NEW+« Montreal | | PRO ?CN QC | 349.6 169.2 | 208.76 | 45 30 20.11 73 35 30.59 | 25.000 243 | 80.8 270 | 68.0 | 195.0R | 13.8M |
| 203C1 AL3091« Montreal | | QU | 349.6 169.2 | 208.76 | 45 30 20.11 73 35 30.59 | 100.000 299 | 105.7 329 | 86.0 From CDBS | 195.0R | 13.8M |
| 205A WREI Saranac Lake | | CP _CN NY | 313.2 132.5 | 111.50 0000166840 | 44 20 28.00 74 07 42.00 | 0.400 96 | 22.8 646 | 15.2 The St. Lawrence University | 34.3 | 14.7 |

Terrain database is GLOBE 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= - ZN2, Co to 3rd adjacent.
All separation margins (if shown) include rounding. Call signs with strikeout need not be protected.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
***affixed to 'IN' or 'OUT' values = site inside restricted contour.
« = Station meets FCC minimum distance spacing for its class.
Reference station has protected zone issue: Canada
** Applicant will request the license for WVTX to be terminated and relinquished

WSGU.C vs WRVT
Vermont Public Co.

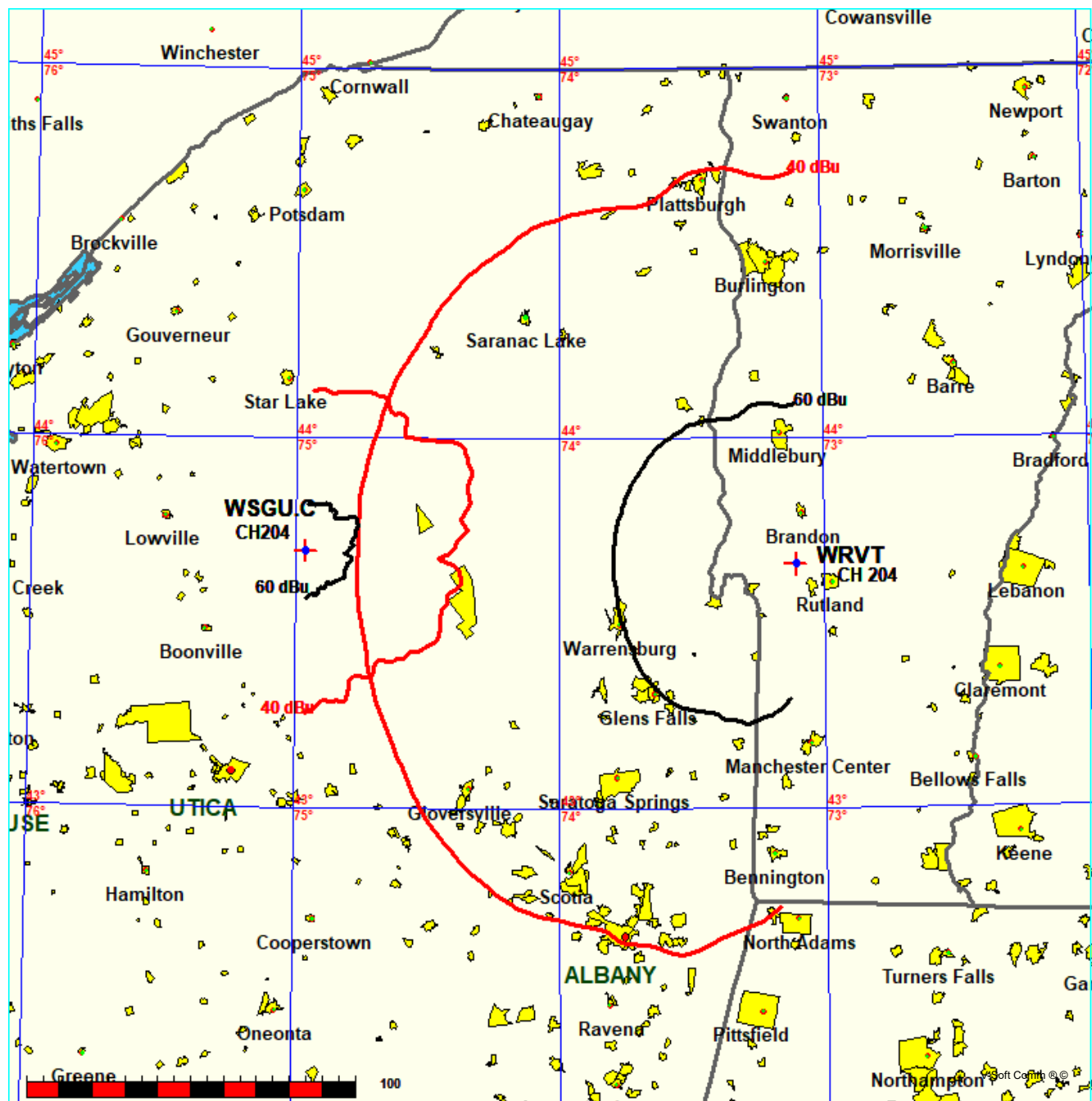
FMCommander Single Allocation Study - 06-17-2023 - GLOBE 30 Sec
WRVT's Overlaps (In= 47.17 km, Out= -0.03 km)

WRVT CH 204 C2

Lat= 43 39 31.50, Lng= 73 06 23.60
5.6 kW 407.8 m HAAT, 663 m COR
Prot.= 60 dBu, Intef.= 40 dBu

WSGU-C CH 204 A 0000166845

Lat= 43 41 39.00, Lng= 74 57 40.00
0.35 kW 124 m HAAT, 706 m COR
Prot.= 60 dBu, Intef.= 40 dBu



06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WRVT

WSGU 0000166845

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Protected

60 dBu

Channel = 204A

Max ERP = 0.35 kW

RCAMSL = 706 m

N. Lat. 43 41 39.00

W. Lng. 74 57 40.00

Interfering

40 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 212.0 | 005.6000 | 0428.6 | 052.3 | 111.1 | 000.3500 | 0088.8 | 131.2 | 17.97 | |
| 213.0 | 005.6000 | 0434.4 | 052.7 | 111.2 | 000.3500 | 0088.7 | 130.3 | 18.14 | |
| 214.0 | 005.6000 | 0441.4 | 053.0 | 111.3 | 000.3500 | 0088.5 | 129.3 | 18.32 | |
| 215.0 | 005.6000 | 0449.7 | 053.5 | 111.4 | 000.3500 | 0088.3 | 128.3 | 18.50 | |
| 216.0 | 005.6000 | 0458.6 | 054.0 | 111.5 | 000.3500 | 0088.1 | 127.3 | 18.68 | |
| 217.0 | 005.6000 | 0467.0 | 054.5 | 111.6 | 000.3500 | 0087.8 | 126.2 | 18.86 | |
| 218.0 | 005.6000 | 0474.8 | 054.9 | 111.7 | 000.3500 | 0087.6 | 125.2 | 19.04 | |
| 219.0 | 005.6000 | 0481.7 | 055.3 | 111.8 | 000.3500 | 0087.5 | 124.2 | 19.22 | |
| 220.0 | 005.6000 | 0487.5 | 055.7 | 111.8 | 000.3500 | 0087.5 | 123.1 | 19.39 | |
| 221.0 | 005.6000 | 0492.0 | 055.9 | 111.8 | 000.3500 | 0087.5 | 122.1 | 19.57 | |
| 222.0 | 005.6000 | 0495.2 | 056.1 | 111.7 | 000.3500 | 0087.6 | 121.1 | 19.74 | |
| 223.0 | 005.6000 | 0497.4 | 056.2 | 111.6 | 000.3500 | 0087.8 | 120.2 | 19.92 | |
| 224.0 | 005.6000 | 0499.3 | 056.4 | 111.5 | 000.3500 | 0088.1 | 119.2 | 20.09 | |
| 225.0 | 005.6000 | 0501.4 | 056.5 | 111.4 | 000.3500 | 0088.3 | 118.2 | 20.27 | |
| 226.0 | 005.6000 | 0504.0 | 056.6 | 111.3 | 000.3500 | 0088.5 | 117.3 | 20.44 | |
| 227.0 | 005.6000 | 0506.0 | 056.8 | 111.1 | 000.3500 | 0088.8 | 116.3 | 20.62 | |
| 228.0 | 005.6000 | 0507.1 | 056.8 | 110.9 | 000.3500 | 0089.1 | 115.4 | 20.79 | |
| 229.0 | 005.6000 | 0507.6 | 056.9 | 110.7 | 000.3500 | 0089.4 | 114.5 | 20.96 | |
| 230.0 | 005.6000 | 0508.0 | 056.9 | 110.5 | 000.3500 | 0089.7 | 113.6 | 21.13 | |
| 231.0 | 005.6000 | 0508.3 | 056.9 | 110.3 | 000.3500 | 0089.8 | 112.7 | 21.29 | |
| 232.0 | 005.6000 | 0508.7 | 056.9 | 110.0 | 000.3500 | 0089.8 | 111.9 | 21.45 | |
| 233.0 | 005.6000 | 0509.6 | 057.0 | 109.8 | 000.3500 | 0089.7 | 111.0 | 21.61 | |
| 234.0 | 005.6000 | 0510.6 | 057.0 | 109.5 | 000.3500 | 0089.5 | 110.1 | 21.77 | |
| 235.0 | 005.6000 | 0511.2 | 057.1 | 109.3 | 000.3500 | 0089.1 | 109.3 | 21.92 | |
| 236.0 | 005.6000 | 0511.3 | 057.1 | 109.0 | 000.3500 | 0088.7 | 108.4 | 22.06 | |
| 237.0 | 005.6000 | 0510.5 | 057.0 | 108.6 | 000.3500 | 0088.3 | 107.7 | 22.20 | |
| 238.0 | 005.6000 | 0508.7 | 056.9 | 108.3 | 000.3500 | 0087.9 | 106.9 | 22.33 | |
| 239.0 | 005.6000 | 0506.2 | 056.8 | 107.9 | 000.3500 | 0087.5 | 106.3 | 22.45 | |
| 240.0 | 005.6000 | 0503.3 | 056.6 | 107.4 | 000.3500 | 0087.1 | 105.6 | 22.56 | |
| 241.0 | 005.6000 | 0500.3 | 056.4 | 107.0 | 000.3500 | 0086.9 | 105.0 | 22.67 | |
| 242.0 | 005.6000 | 0497.8 | 056.3 | 106.6 | 000.3500 | 0086.7 | 104.4 | 22.79 | |
| 243.0 | 005.6000 | 0495.9 | 056.2 | 106.2 | 000.3500 | 0086.9 | 103.8 | 22.93 | |
| 244.0 | 005.6000 | 0494.5 | 056.1 | 105.7 | 000.3500 | 0087.7 | 103.2 | 23.08 | |
| 245.0 | 005.6000 | 0493.4 | 056.0 | 105.3 | 000.3500 | 0089.0 | 102.6 | 23.26 | |
| 246.0 | 005.6000 | 0492.3 | 055.9 | 104.9 | 000.3500 | 0090.7 | 102.0 | 23.45 | |
| 247.0 | 005.6000 | 0491.4 | 055.9 | 104.4 | 000.3500 | 0092.4 | 101.4 | 23.64 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 248.0 | 005.6000 | 0491.2 | 055.9 | 104.0 | 000.3500 | 0094.2 | 100.8 | 23.84 |
| 249.0 | 005.6000 | 0491.5 | 055.9 | 103.5 | 000.3500 | 0095.9 | 100.2 | 24.03 |
| 250.0 | 005.6000 | 0491.9 | 055.9 | 103.1 | 000.3500 | 0097.5 | 099.6 | 24.23 |
| 251.0 | 005.6000 | 0492.3 | 055.9 | 102.6 | 000.3500 | 0098.7 | 099.1 | 24.41 |
| 252.0 | 005.6000 | 0492.0 | 055.9 | 102.1 | 000.3500 | 0099.7 | 098.6 | 24.56 |
| 253.0 | 005.6000 | 0491.7 | 055.9 | 101.7 | 000.3500 | 0100.5 | 098.1 | 24.71 |
| 254.0 | 005.6000 | 0491.2 | 055.9 | 101.1 | 000.3500 | 0100.9 | 097.6 | 24.83 |
| 255.0 | 005.6000 | 0490.2 | 055.8 | 100.6 | 000.3500 | 0100.8 | 097.2 | 24.92 |
| 256.0 | 005.6000 | 0489.2 | 055.8 | 100.1 | 000.3500 | 0100.3 | 096.9 | 24.99 |
| 257.0 | 005.6000 | 0488.0 | 055.7 | 099.5 | 000.3500 | 0099.4 | 096.5 | 25.04 |
| 258.0 | 005.6000 | 0486.9 | 055.6 | 099.0 | 000.3500 | 0098.1 | 096.2 | 25.07 |
| 259.0 | 005.6000 | 0485.4 | 055.5 | 098.4 | 000.3500 | 0096.9 | 095.9 | 25.08 |
| 260.0 | 005.6000 | 0483.8 | 055.4 | 097.9 | 000.3500 | 0096.0 | 095.7 | 25.11 |
| 261.0 | 005.6000 | 0482.6 | 055.4 | 097.3 | 000.3500 | 0095.6 | 095.5 | 25.15 |
| 262.0 | 005.6000 | 0482.3 | 055.4 | 096.8 | 000.3500 | 0095.6 | 095.2 | 25.21 |
| 263.0 | 005.6000 | 0483.3 | 055.4 | 096.2 | 000.3500 | 0094.5 | 094.9 | 25.25 |
| 264.0 | 005.6000 | 0484.9 | 055.5 | 095.6 | 000.3500 | 0091.4 | 094.6 | 25.19 |
| 265.0 | 005.6000 | 0485.9 | 055.6 | 095.1 | 000.3500 | 0086.9 | 094.3 | 25.06 |
| 266.0 | 005.6000 | 0486.4 | 055.6 | 094.5 | 000.3500 | 0081.8 | 094.1 | 24.90 |
| 267.0 | 005.6000 | 0486.6 | 055.6 | 093.9 | 000.3500 | 0076.8 | 093.9 | 24.72 |
| 268.0 | 005.6000 | 0485.8 | 055.6 | 093.3 | 000.3500 | 0072.0 | 093.9 | 24.53 |
| 269.0 | 005.6000 | 0485.2 | 055.5 | 092.7 | 000.3500 | 0069.1 | 093.8 | 24.42 |
| 270.0 | 005.6000 | 0484.5 | 055.5 | 092.1 | 000.3500 | 0071.7 | 093.8 | 24.54 |
| 271.0 | 005.6000 | 0483.8 | 055.4 | 091.6 | 000.3500 | 0074.7 | 093.8 | 24.67 |
| 272.0 | 005.6000 | 0483.3 | 055.4 | 091.0 | 000.3500 | 0077.8 | 093.8 | 24.80 |
| 273.0 | 005.6000 | 0484.2 | 055.5 | 090.4 | 000.3500 | 0080.9 | 093.7 | 24.94 |
| 274.0 | 005.6000 | 0485.3 | 055.5 | 089.8 | 000.3500 | 0083.9 | 093.7 | 25.09 |
| 275.0 | 005.6000 | 0486.4 | 055.6 | 089.2 | 000.3500 | 0086.8 | 093.7 | 25.21 |
| 276.0 | 005.6000 | 0486.8 | 055.6 | 088.6 | 000.3500 | 0087.4 | 093.8 | 25.22 |
| 277.0 | 005.6000 | 0487.0 | 055.6 | 088.0 | 000.3500 | 0088.0 | 093.9 | 25.22 |
| 278.0 | 005.6000 | 0488.1 | 055.7 | 087.4 | 000.3500 | 0088.7 | 093.9 | 25.23 |
| 279.0 | 005.6000 | 0489.3 | 055.8 | 086.8 | 000.3500 | 0089.4 | 094.0 | 25.23 |
| 280.0 | 005.6000 | 0489.8 | 055.8 | 086.2 | 000.3500 | 0090.2 | 094.2 | 25.23 |
| 281.0 | 005.6000 | 0489.0 | 055.7 | 085.7 | 000.3500 | 0091.8 | 094.5 | 25.23 |
| 282.0 | 005.6000 | 0488.0 | 055.7 | 085.1 | 000.3500 | 0095.8 | 094.8 | 25.32 |
| 283.0 | 005.6000 | 0487.5 | 055.7 | 084.5 | 000.3500 | 0098.7 | 095.1 | 25.37 |
| 284.0 | 005.6000 | 0487.0 | 055.6 | 084.0 | 000.3500 | 0100.7 | 095.4 | 25.37 |
| 285.0 | 005.6000 | 0486.3 | 055.6 | 083.5 | 000.3500 | 0102.8 | 095.8 | 25.37 |
| 286.0 | 005.6000 | 0485.4 | 055.5 | 082.9 | 000.3500 | 0105.0 | 096.2 | 25.36 |
| 287.0 | 005.6000 | 0484.0 | 055.4 | 082.4 | 000.3500 | 0106.9 | 096.6 | 25.32 |
| 288.0 | 005.6000 | 0483.3 | 055.4 | 081.9 | 000.3500 | 0107.3 | 097.1 | 25.23 |
| 289.0 | 005.6000 | 0483.4 | 055.4 | 081.4 | 000.3500 | 0106.5 | 097.5 | 25.09 |
| 290.0 | 005.6000 | 0484.0 | 055.5 | 080.9 | 000.3500 | 0105.0 | 097.9 | 24.94 |
| 291.0 | 005.6000 | 0484.9 | 055.5 | 080.4 | 000.3500 | 0103.4 | 098.3 | 24.77 |
| 292.0 | 005.6000 | 0485.5 | 055.5 | 079.9 | 000.3500 | 0102.2 | 098.8 | 24.62 |
| 293.0 | 005.6000 | 0485.6 | 055.5 | 079.4 | 000.3500 | 0101.2 | 099.3 | 24.46 |
| 294.0 | 005.6000 | 0485.1 | 055.5 | 078.9 | 000.3500 | 0100.5 | 099.8 | 24.30 |
| 295.0 | 005.6000 | 0484.7 | 055.5 | 078.5 | 000.3500 | 0100.3 | 100.4 | 24.16 |
| 296.0 | 005.6000 | 0484.1 | 055.5 | 078.0 | 000.3500 | 0100.9 | 101.0 | 24.05 |
| 297.0 | 005.6000 | 0482.8 | 055.4 | 077.6 | 000.3500 | 0102.0 | 101.6 | 23.95 |
| 298.0 | 005.6000 | 0480.3 | 055.2 | 077.3 | 000.3500 | 0103.4 | 102.3 | 23.84 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 299.0 | 005.6000 | 0477.4 | 055.1 | 076.9 | 000.3500 | 0105.1 | 103.1 | 23.73 |
| 300.0 | 005.6000 | 0475.3 | 054.9 | 076.6 | 000.3500 | 0107.0 | 103.8 | 23.64 |
| 301.0 | 005.6000 | 0474.5 | 054.9 | 076.2 | 000.3500 | 0109.1 | 104.5 | 23.57 |
| 302.0 | 005.6000 | 0474.0 | 054.9 | 075.8 | 000.3500 | 0111.2 | 105.2 | 23.49 |
| 303.0 | 005.6000 | 0473.7 | 054.8 | 075.5 | 000.3500 | 0113.0 | 105.9 | 23.41 |
| 304.0 | 005.6000 | 0474.4 | 054.9 | 075.1 | 000.3500 | 0114.7 | 106.6 | 23.32 |
| 305.0 | 005.6000 | 0475.7 | 055.0 | 074.7 | 000.3500 | 0116.5 | 107.2 | 23.24 |
| 306.0 | 005.6000 | 0476.2 | 055.0 | 074.4 | 000.3500 | 0118.1 | 107.9 | 23.15 |
| 307.0 | 005.6000 | 0475.3 | 054.9 | 074.1 | 000.3500 | 0119.6 | 108.7 | 23.04 |
| 308.0 | 005.6000 | 0473.7 | 054.9 | 073.8 | 000.3500 | 0120.8 | 109.5 | 22.91 |
| 309.0 | 005.6000 | 0472.8 | 054.8 | 073.5 | 000.3500 | 0121.9 | 110.3 | 22.79 |
| 310.0 | 005.6000 | 0472.2 | 054.8 | 073.3 | 000.3500 | 0122.9 | 111.1 | 22.66 |
| 311.0 | 005.6000 | 0471.0 | 054.7 | 073.0 | 000.3500 | 0123.6 | 112.0 | 22.53 |
| 312.0 | 005.6000 | 0468.6 | 054.6 | 072.8 | 000.3500 | 0124.1 | 112.8 | 22.38 |
| 313.0 | 005.6000 | 0464.8 | 054.3 | 072.7 | 000.3500 | 0124.5 | 113.8 | 22.21 |
| 314.0 | 005.6000 | 0460.3 | 054.1 | 072.5 | 000.3500 | 0124.7 | 114.7 | 22.05 |
| 315.0 | 005.6000 | 0456.0 | 053.8 | 072.4 | 000.3500 | 0124.9 | 115.6 | 21.88 |
| 316.0 | 005.6000 | 0452.3 | 053.6 | 072.3 | 000.3500 | 0125.1 | 116.6 | 21.72 |
| 317.0 | 005.6000 | 0449.2 | 053.5 | 072.2 | 000.3500 | 0125.3 | 117.5 | 21.56 |
| 318.0 | 005.6000 | 0446.7 | 053.3 | 072.0 | 000.3500 | 0125.4 | 118.4 | 21.41 |
| 319.0 | 005.6000 | 0444.8 | 053.2 | 071.9 | 000.3500 | 0125.6 | 119.3 | 21.25 |
| 320.0 | 005.6000 | 0443.8 | 053.2 | 071.7 | 000.3500 | 0125.7 | 120.1 | 21.10 |
| 321.0 | 005.6000 | 0443.0 | 053.1 | 071.6 | 000.3500 | 0125.7 | 121.0 | 20.94 |
| 322.0 | 005.6000 | 0440.5 | 053.0 | 071.5 | 000.3500 | 0125.7 | 121.9 | 20.78 |
| 323.0 | 005.6000 | 0435.6 | 052.7 | 071.4 | 000.3500 | 0125.7 | 122.9 | 20.61 |
| 324.0 | 005.6000 | 0429.4 | 052.4 | 071.4 | 000.3500 | 0125.7 | 123.9 | 20.44 |
| 325.0 | 005.6000 | 0423.0 | 052.0 | 071.5 | 000.3500 | 0125.7 | 124.8 | 20.26 |
| 326.0 | 005.6000 | 0417.2 | 051.7 | 071.5 | 000.3500 | 0125.7 | 125.8 | 20.09 |
| 327.0 | 005.6000 | 0412.1 | 051.4 | 071.5 | 000.3500 | 0125.7 | 126.7 | 19.92 |
| 328.0 | 005.6000 | 0406.3 | 051.1 | 071.5 | 000.3500 | 0125.7 | 127.7 | 19.74 |
| 329.0 | 005.6000 | 0398.6 | 050.7 | 071.6 | 000.3500 | 0125.7 | 128.7 | 19.56 |
| 330.0 | 005.6000 | 0390.7 | 050.3 | 071.7 | 000.3500 | 0125.7 | 129.6 | 19.38 |
| 331.0 | 005.6000 | 0383.6 | 049.9 | 071.8 | 000.3500 | 0125.6 | 130.5 | 19.20 |

06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WSGU 0000166845

WRVT

Channel = 204A

Max ERP = 0.35 kW

RCAMSL = 706 m

N. Lat. 43 41 39.00

W. Lng. 74 57 40.00

Protected

60 dBu

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Interfering

40 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 031.0 | 000.3500 | 0106.3 | 014.4 | 277.2 | 005.6000 | 0487.2 | 142.5 | 37.81 | |
| 032.0 | 000.3500 | 0104.6 | 014.3 | 277.1 | 005.6000 | 0487.1 | 142.3 | 37.85 | |
| 033.0 | 000.3500 | 0106.9 | 014.5 | 277.1 | 005.6000 | 0487.1 | 142.0 | 37.92 | |
| 034.0 | 000.3500 | 0110.8 | 014.8 | 277.2 | 005.6000 | 0487.2 | 141.7 | 38.01 | |
| 035.0 | 000.3500 | 0114.1 | 015.0 | 277.2 | 005.6000 | 0487.2 | 141.3 | 38.09 | |
| 036.0 | 000.3500 | 0114.8 | 015.0 | 277.2 | 005.6000 | 0487.2 | 141.1 | 38.16 | |
| 037.0 | 000.3500 | 0112.2 | 014.9 | 277.0 | 005.6000 | 0487.0 | 140.9 | 38.19 | |
| 038.0 | 000.3500 | 0105.8 | 014.4 | 276.8 | 005.6000 | 0486.8 | 141.0 | 38.17 | |
| 039.0 | 000.3500 | 0097.7 | 013.8 | 276.6 | 005.6000 | 0486.7 | 141.1 | 38.14 | |
| 040.0 | 000.3500 | 0091.5 | 013.4 | 276.4 | 005.6000 | 0486.7 | 141.1 | 38.13 | |
| 041.0 | 000.3500 | 0089.6 | 013.2 | 276.3 | 005.6000 | 0486.7 | 141.0 | 38.16 | |
| 042.0 | 000.3500 | 0091.6 | 013.4 | 276.3 | 005.6000 | 0486.7 | 140.7 | 38.23 | |
| 043.0 | 000.3500 | 0094.9 | 013.6 | 276.3 | 005.6000 | 0486.7 | 140.4 | 38.31 | |
| 044.0 | 000.3500 | 0098.0 | 013.8 | 276.3 | 005.6000 | 0486.7 | 140.1 | 38.39 | |
| 045.0 | 000.3500 | 0100.3 | 014.0 | 276.3 | 005.6000 | 0486.7 | 139.8 | 38.46 | |
| 046.0 | 000.3500 | 0102.9 | 014.2 | 276.3 | 005.6000 | 0486.7 | 139.5 | 38.54 | |
| 047.0 | 000.3500 | 0106.6 | 014.5 | 276.3 | 005.6000 | 0486.7 | 139.1 | 38.63 | |
| 048.0 | 000.3500 | 0111.8 | 014.8 | 276.3 | 005.6000 | 0486.7 | 138.7 | 38.74 | |
| 049.0 | 000.3500 | 0117.4 | 015.2 | 276.4 | 005.6000 | 0486.7 | 138.2 | 38.86 | |
| 050.0 | 000.3500 | 0123.3 | 015.6 | 276.4 | 005.6000 | 0486.7 | 137.8 | 38.98 | |
| 051.0 | 000.3500 | 0129.6 | 016.0 | 276.4 | 005.6000 | 0486.7 | 137.3 | 39.11 | |
| 052.0 | 000.3500 | 0137.7 | 016.6 | 276.5 | 005.6000 | 0486.7 | 136.6 | 39.27 | |
| 053.0 | 000.3500 | 0146.6 | 017.2 | 276.6 | 005.6000 | 0486.7 | 136.0 | 39.44 | |
| 054.0 | 000.3500 | 0154.3 | 017.7 | 276.7 | 005.6000 | 0486.7 | 135.4 | 39.59 | |
| 055.0 | 000.3500 | 0159.4 | 018.1 | 276.7 | 005.6000 | 0486.7 | 135.0 | 39.70 | |
| 056.0 | 000.3500 | 0161.1 | 018.2 | 276.6 | 005.6000 | 0486.7 | 134.7 | 39.78 | |
| 057.0 | 000.3500 | 0160.6 | 018.1 | 276.5 | 005.6000 | 0486.7 | 134.5 | 39.82 | |
| 058.0 | 000.3500 | 0158.9 | 018.0 | 276.3 | 005.6000 | 0486.7 | 134.4 | 39.85 | |
| 059.0 | 000.3500 | 0156.9 | 017.9 | 276.2 | 005.6000 | 0486.8 | 134.3 | 39.87 | |
| 060.0 | 000.3500 | 0155.0 | 017.8 | 276.1 | 005.6000 | 0486.8 | 134.2 | 39.90 | |
| 061.0 | 000.3500 | 0153.5 | 017.7 | 275.9 | 005.6000 | 0486.8 | 134.1 | 39.92 | |
| 062.0 | 000.3500 | 0152.8 | 017.6 | 275.8 | 005.6000 | 0486.8 | 134.0 | 39.96 | |
| 063.0 | 000.3500 | 0152.2 | 017.6 | 275.7 | 005.6000 | 0486.8 | 133.9 | 39.99 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 064.0 | 000.3500 | 0150.6 | 017.5 | 275.5 | 005.6000 | 0486.8 | 133.8 | 40.01* 0.03 |
| 065.0 | 000.3500 | 0147.3 | 017.3 | 275.4 | 005.6000 | 0486.8 | 133.8 | 39.99 |
| 066.0 | 000.3500 | 0142.1 | 016.9 | 275.2 | 005.6000 | 0486.6 | 134.0 | 39.95 |
| 067.0 | 000.3500 | 0136.0 | 016.5 | 275.0 | 005.6000 | 0486.4 | 134.3 | 39.88 |
| 068.0 | 000.3500 | 0130.3 | 016.1 | 274.8 | 005.6000 | 0486.2 | 134.5 | 39.81 |
| 069.0 | 000.3500 | 0126.7 | 015.8 | 274.7 | 005.6000 | 0486.0 | 134.6 | 39.78 |
| 070.0 | 000.3500 | 0125.5 | 015.8 | 274.5 | 005.6000 | 0485.9 | 134.6 | 39.78 |
| 071.0 | 000.3500 | 0125.7 | 015.8 | 274.4 | 005.6000 | 0485.8 | 134.5 | 39.81 |
| 072.0 | 000.3500 | 0125.4 | 015.8 | 274.3 | 005.6000 | 0485.7 | 134.4 | 39.83 |
| 073.0 | 000.3500 | 0123.7 | 015.6 | 274.2 | 005.6000 | 0485.5 | 134.4 | 39.82 |
| 074.0 | 000.3500 | 0120.0 | 015.4 | 274.1 | 005.6000 | 0485.4 | 134.5 | 39.78 |
| 075.0 | 000.3500 | 0115.2 | 015.1 | 273.9 | 005.6000 | 0485.2 | 134.8 | 39.72 |
| 076.0 | 000.3500 | 0110.2 | 014.7 | 273.8 | 005.6000 | 0485.1 | 135.0 | 39.64 |
| 077.0 | 000.3500 | 0104.6 | 014.3 | 273.6 | 005.6000 | 0484.9 | 135.3 | 39.56 |
| 078.0 | 000.3500 | 0100.9 | 014.0 | 273.5 | 005.6000 | 0484.7 | 135.5 | 39.50 |
| 079.0 | 000.3500 | 0100.6 | 014.0 | 273.4 | 005.6000 | 0484.6 | 135.5 | 39.51 |
| 080.0 | 000.3500 | 0102.5 | 014.2 | 273.3 | 005.6000 | 0484.5 | 135.3 | 39.56 |
| 081.0 | 000.3500 | 0105.4 | 014.4 | 273.2 | 005.6000 | 0484.4 | 135.0 | 39.62 |
| 082.0 | 000.3500 | 0107.3 | 014.5 | 273.1 | 005.6000 | 0484.3 | 134.9 | 39.66 |
| 083.0 | 000.3500 | 0104.7 | 014.3 | 273.0 | 005.6000 | 0484.1 | 135.0 | 39.62 |
| 084.0 | 000.3500 | 0100.7 | 014.0 | 272.9 | 005.6000 | 0484.0 | 135.3 | 39.55 |
| 085.0 | 000.3500 | 0096.4 | 013.7 | 272.7 | 005.6000 | 0483.9 | 135.5 | 39.48 |
| 086.0 | 000.3500 | 0090.5 | 013.3 | 272.6 | 005.6000 | 0483.8 | 135.9 | 39.37 |
| 087.0 | 000.3500 | 0089.2 | 013.2 | 272.5 | 005.6000 | 0483.7 | 136.0 | 39.35 |
| 088.0 | 000.3500 | 0088.0 | 013.1 | 272.4 | 005.6000 | 0483.6 | 136.1 | 39.33 |
| 089.0 | 000.3500 | 0087.0 | 013.0 | 272.3 | 005.6000 | 0483.6 | 136.1 | 39.31 |
| 090.0 | 000.3500 | 0082.8 | 012.7 | 272.2 | 005.6000 | 0483.5 | 136.4 | 39.23 |
| 091.0 | 000.3500 | 0077.6 | 012.4 | 272.1 | 005.6000 | 0483.5 | 136.8 | 39.13 |
| 092.0 | 000.3500 | 0072.4 | 012.0 | 272.1 | 005.6000 | 0483.4 | 137.2 | 39.03 |
| 093.0 | 000.3500 | 0069.6 | 011.8 | 272.0 | 005.6000 | 0483.2 | 137.4 | 38.98 |
| 094.0 | 000.3500 | 0077.5 | 012.4 | 271.9 | 005.6000 | 0483.2 | 136.8 | 39.12 |
| 095.0 | 000.3500 | 0086.2 | 013.0 | 271.8 | 005.6000 | 0483.2 | 136.2 | 39.28 |
| 096.0 | 000.3500 | 0093.7 | 013.5 | 271.6 | 005.6000 | 0483.3 | 135.7 | 39.41 |
| 097.0 | 000.3500 | 0095.5 | 013.7 | 271.5 | 005.6000 | 0483.4 | 135.6 | 39.45 |
| 098.0 | 000.3500 | 0096.1 | 013.7 | 271.4 | 005.6000 | 0483.5 | 135.6 | 39.45 |
| 099.0 | 000.3500 | 0098.1 | 013.8 | 271.3 | 005.6000 | 0483.6 | 135.5 | 39.48 |
| 100.0 | 000.3500 | 0100.2 | 014.0 | 271.2 | 005.6000 | 0483.6 | 135.4 | 39.51 |
| 101.0 | 000.3500 | 0100.9 | 014.0 | 271.1 | 005.6000 | 0483.7 | 135.4 | 39.51 |
| 102.0 | 000.3500 | 0100.0 | 014.0 | 271.0 | 005.6000 | 0483.8 | 135.5 | 39.49 |
| 103.0 | 000.3500 | 0097.7 | 013.8 | 270.9 | 005.6000 | 0483.9 | 135.7 | 39.43 |
| 104.0 | 000.3500 | 0094.1 | 013.6 | 270.9 | 005.6000 | 0483.9 | 136.0 | 39.35 |
| 105.0 | 000.3500 | 0090.1 | 013.3 | 270.8 | 005.6000 | 0484.0 | 136.3 | 39.27 |
| 106.0 | 000.3500 | 0087.1 | 013.0 | 270.7 | 005.6000 | 0484.0 | 136.6 | 39.20 |
| 107.0 | 000.3500 | 0086.9 | 013.0 | 270.6 | 005.6000 | 0484.1 | 136.7 | 39.18 |
| 108.0 | 000.3500 | 0087.6 | 013.1 | 270.5 | 005.6000 | 0484.1 | 136.7 | 39.18 |
| 109.0 | 000.3500 | 0088.8 | 013.2 | 270.4 | 005.6000 | 0484.2 | 136.7 | 39.18 |
| 110.0 | 000.3500 | 0089.8 | 013.2 | 270.3 | 005.6000 | 0484.3 | 136.7 | 39.18 |
| 111.0 | 000.3500 | 0089.0 | 013.2 | 270.3 | 005.6000 | 0484.3 | 136.9 | 39.14 |
| 112.0 | 000.3500 | 0087.2 | 013.1 | 270.2 | 005.6000 | 0484.4 | 137.1 | 39.09 |
| 113.0 | 000.3500 | 0086.3 | 013.0 | 270.1 | 005.6000 | 0484.4 | 137.2 | 39.05 |
| 114.0 | 000.3500 | 0087.0 | 013.0 | 270.0 | 005.6000 | 0484.5 | 137.3 | 39.04 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 115.0 | 000.3500 | 0088.3 | 013.1 | 269.9 | 005.6000 | 0484.6 | 137.3 | 39.04 |
| 116.0 | 000.3500 | 0089.3 | 013.2 | 269.8 | 005.6000 | 0484.7 | 137.3 | 39.03 |
| 117.0 | 000.3500 | 0090.3 | 013.3 | 269.7 | 005.6000 | 0484.7 | 137.4 | 39.02 |
| 118.0 | 000.3500 | 0092.1 | 013.4 | 269.6 | 005.6000 | 0484.8 | 137.4 | 39.03 |
| 119.0 | 000.3500 | 0094.7 | 013.6 | 269.5 | 005.6000 | 0484.9 | 137.3 | 39.04 |
| 120.0 | 000.3500 | 0096.7 | 013.7 | 269.4 | 005.6000 | 0485.0 | 137.3 | 39.04 |
| 121.0 | 000.3500 | 0097.6 | 013.8 | 269.3 | 005.6000 | 0485.0 | 137.4 | 39.02 |
| 122.0 | 000.3500 | 0098.4 | 013.9 | 269.2 | 005.6000 | 0485.1 | 137.5 | 39.00 |
| 123.0 | 000.3500 | 0099.5 | 013.9 | 269.1 | 005.6000 | 0485.2 | 137.6 | 38.99 |
| 124.0 | 000.3500 | 0100.1 | 014.0 | 269.0 | 005.6000 | 0485.2 | 137.7 | 38.96 |
| 125.0 | 000.3500 | 0098.6 | 013.9 | 268.9 | 005.6000 | 0485.2 | 137.9 | 38.90 |
| 126.0 | 000.3500 | 0096.0 | 013.7 | 268.9 | 005.6000 | 0485.3 | 138.2 | 38.83 |
| 127.0 | 000.3500 | 0093.8 | 013.5 | 268.8 | 005.6000 | 0485.3 | 138.5 | 38.76 |
| 128.0 | 000.3500 | 0092.7 | 013.5 | 268.8 | 005.6000 | 0485.3 | 138.7 | 38.70 |
| 129.0 | 000.3500 | 0092.1 | 013.4 | 268.7 | 005.6000 | 0485.4 | 138.9 | 38.66 |
| 130.0 | 000.3500 | 0090.8 | 013.3 | 268.7 | 005.6000 | 0485.4 | 139.1 | 38.60 |
| 131.0 | 000.3500 | 0088.5 | 013.2 | 268.7 | 005.6000 | 0485.4 | 139.4 | 38.53 |
| 132.0 | 000.3500 | 0086.2 | 013.0 | 268.6 | 005.6000 | 0485.4 | 139.7 | 38.46 |
| 133.0 | 000.3500 | 0083.4 | 012.8 | 268.6 | 005.6000 | 0485.4 | 140.0 | 38.39 |
| 134.0 | 000.3500 | 0082.2 | 012.7 | 268.6 | 005.6000 | 0485.4 | 140.2 | 38.33 |
| 135.0 | 000.3500 | 0082.3 | 012.7 | 268.5 | 005.6000 | 0485.5 | 140.3 | 38.29 |
| 136.0 | 000.3500 | 0082.7 | 012.7 | 268.5 | 005.6000 | 0485.5 | 140.5 | 38.26 |
| 137.0 | 000.3500 | 0082.3 | 012.7 | 268.4 | 005.6000 | 0485.6 | 140.7 | 38.21 |
| 138.0 | 000.3500 | 0080.5 | 012.6 | 268.4 | 005.6000 | 0485.6 | 140.9 | 38.15 |
| 139.0 | 000.3500 | 0078.2 | 012.4 | 268.4 | 005.6000 | 0485.6 | 141.2 | 38.08 |
| 140.0 | 000.3500 | 0077.0 | 012.3 | 268.4 | 005.6000 | 0485.6 | 141.4 | 38.02 |
| 141.0 | 000.3500 | 0076.7 | 012.3 | 268.3 | 005.6000 | 0485.6 | 141.6 | 37.98 |
| 142.0 | 000.3500 | 0075.3 | 012.2 | 268.3 | 005.6000 | 0485.6 | 141.8 | 37.92 |
| 143.0 | 000.3500 | 0072.0 | 011.9 | 268.3 | 005.6000 | 0485.6 | 142.2 | 37.84 |
| 144.0 | 000.3500 | 0068.5 | 011.7 | 268.4 | 005.6000 | 0485.6 | 142.5 | 37.77 |
| 145.0 | 000.3500 | 0066.9 | 011.6 | 268.4 | 005.6000 | 0485.6 | 142.7 | 37.71 |
| 146.0 | 000.3500 | 0066.4 | 011.5 | 268.4 | 005.6000 | 0485.6 | 142.9 | 37.66 |
| 147.0 | 000.3500 | 0066.7 | 011.6 | 268.3 | 005.6000 | 0485.6 | 143.1 | 37.63 |
| 148.0 | 000.3500 | 0067.9 | 011.6 | 268.2 | 005.6000 | 0485.7 | 143.2 | 37.60 |
| 149.0 | 000.3500 | 0070.5 | 011.8 | 268.1 | 005.6000 | 0485.7 | 143.3 | 37.58 |
| 150.0 | 000.3500 | 0073.9 | 012.1 | 268.0 | 005.6000 | 0485.8 | 143.4 | 37.56 |

WRVT vs WUMV
Vermont Public Co.

FMCommander Single Allocation Study - 06-17-2023 - GLOBE 30 Sec
WRVT's Overlaps (In= 58.17 km, Out= 2.23 km)

WRVT CH 204 C2

Lat= 43 39 31.50, Lng= 73 06 23.60

5.6 kW 407.8 m HAAT, 663 m COR

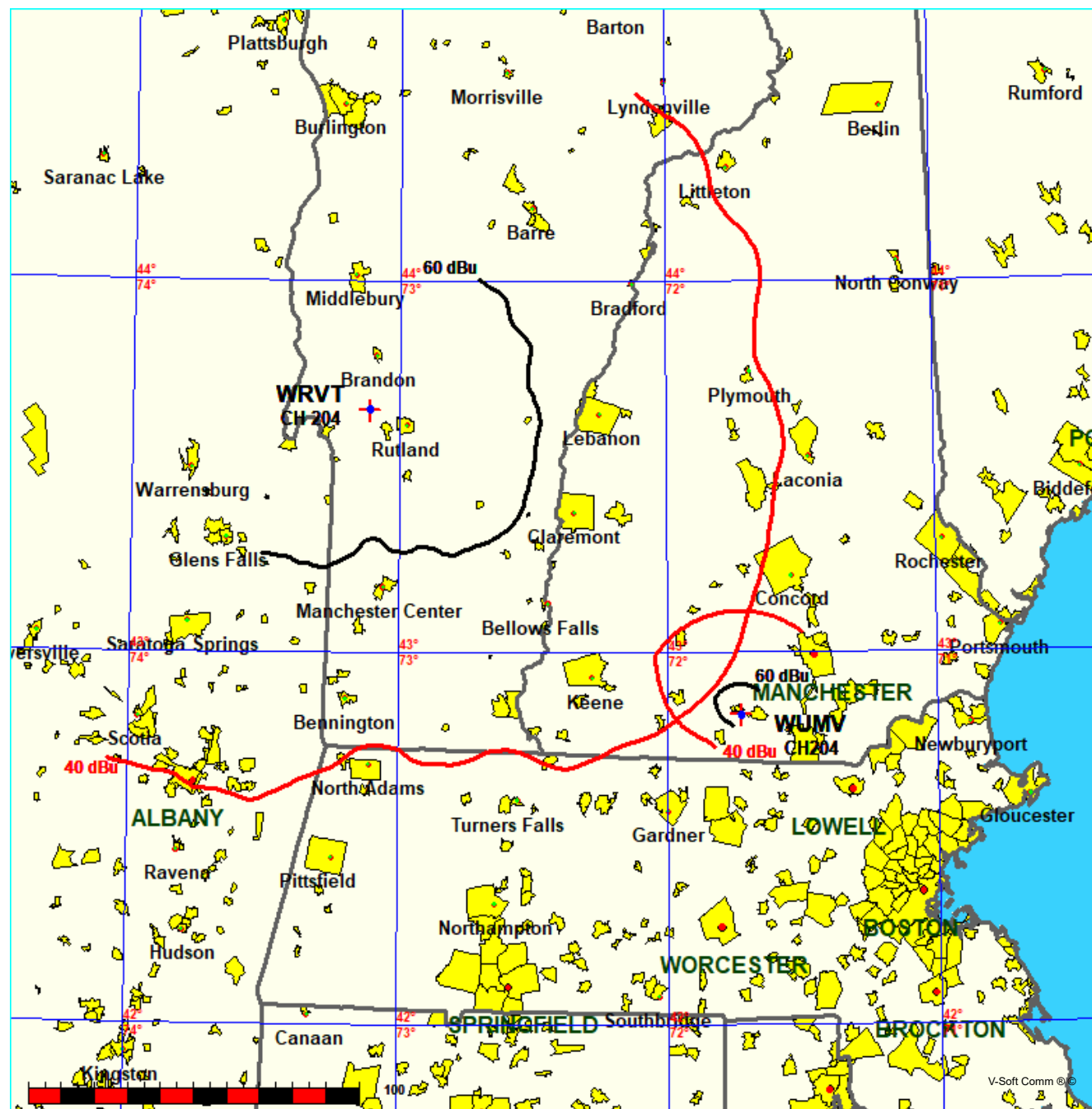
Prot.= 60 dBu, Intef.= 40 dBu

WUMV CH 204 A DA BLED20120525AED

Lat= 42 49 58.30, Lng= 71 43 43.20

0.67 kW 12 m HAAT, 207 m COR

Prot.= 60 dBu, Intef.= 40 dBu



06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WRVT

WUMV BLED20120525AED

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Protected

60 dBu

Channel = 204A

Max ERP = 0.67 kW

RCAMSL = 207 m

N. Lat. 42 49 58.30

W. Lng. 71 43 43.20

Interfering

40 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 069.0 | 005.6000 | 0408.5 | 051.2 | 330.4 | 000.6700 | -0083.6 | 126.9 | 18.99 | |
| 070.0 | 005.6000 | 0405.0 | 051.1 | 330.2 | 000.6700 | -0083.7 | 126.0 | 19.15 | |
| 071.0 | 005.6000 | 0398.0 | 050.7 | 330.0 | 000.6700 | -0083.8 | 125.2 | 19.30 | |
| 072.0 | 005.6000 | 0389.9 | 050.2 | 329.7 | 000.6700 | -0083.9 | 124.5 | 19.45 | |
| 073.0 | 005.6000 | 0380.9 | 049.7 | 329.4 | 000.6700 | -0083.8 | 123.7 | 19.59 | |
| 074.0 | 005.6000 | 0374.1 | 049.4 | 329.1 | 000.6700 | -0083.7 | 123.0 | 19.73 | |
| 075.0 | 005.6000 | 0367.4 | 049.0 | 328.8 | 000.6700 | -0083.3 | 122.3 | 19.86 | |
| 076.0 | 005.6000 | 0361.9 | 048.7 | 328.6 | 000.6700 | -0083.0 | 121.6 | 20.00 | |
| 077.0 | 005.6000 | 0357.4 | 048.4 | 328.3 | 000.6700 | -0082.6 | 120.9 | 20.14 | |
| 078.0 | 005.6000 | 0353.8 | 048.2 | 328.1 | 000.6700 | -0082.2 | 120.2 | 20.28 | |
| 079.0 | 005.6000 | 0351.2 | 048.0 | 327.9 | 000.6700 | -0081.7 | 119.4 | 20.42 | |
| 080.0 | 005.6000 | 0349.3 | 047.9 | 327.6 | 000.6700 | -0081.3 | 118.7 | 20.56 | |
| 081.0 | 005.6000 | 0346.5 | 047.7 | 327.4 | 000.6700 | -0080.7 | 118.0 | 20.69 | |
| 082.0 | 005.6000 | 0346.8 | 047.7 | 327.2 | 000.6700 | -0080.3 | 117.2 | 20.84 | |
| 083.0 | 005.6000 | 0348.8 | 047.9 | 327.1 | 000.6700 | -0079.9 | 116.4 | 21.00 | |
| 084.0 | 005.6000 | 0354.1 | 048.2 | 327.1 | 000.6700 | -0079.8 | 115.5 | 21.17 | |
| 085.0 | 005.6000 | 0361.2 | 048.6 | 327.1 | 000.6700 | -0079.7 | 114.6 | 21.35 | |
| 086.0 | 005.6000 | 0366.7 | 048.9 | 327.0 | 000.6700 | -0079.5 | 113.7 | 21.53 | |
| 087.0 | 005.6000 | 0372.2 | 049.3 | 326.9 | 000.6700 | -0079.3 | 112.8 | 21.71 | |
| 088.0 | 005.6000 | 0377.6 | 049.6 | 326.8 | 000.6700 | -0078.9 | 111.9 | 21.88 | |
| 089.0 | 005.6000 | 0383.0 | 049.9 | 326.7 | 000.6700 | -0078.6 | 111.0 | 22.06 | |
| 090.0 | 005.6000 | 0388.9 | 050.2 | 326.6 | 000.6700 | -0078.2 | 110.1 | 22.23 | |
| 091.0 | 005.6000 | 0394.9 | 050.5 | 326.5 | 000.6700 | -0077.7 | 109.2 | 22.41 | |
| 092.0 | 005.6000 | 0400.6 | 050.8 | 326.3 | 000.6700 | -0077.1 | 108.3 | 22.59 | |
| 093.0 | 005.6000 | 0403.7 | 051.0 | 326.1 | 000.6700 | -0076.1 | 107.5 | 22.75 | |
| 094.0 | 005.6000 | 0406.4 | 051.1 | 325.9 | 000.6700 | -0075.0 | 106.7 | 22.91 | |
| 095.0 | 005.6000 | 0409.2 | 051.3 | 325.6 | 000.6700 | -0073.9 | 105.9 | 23.06 | |
| 096.0 | 005.6000 | 0407.8 | 051.2 | 325.3 | 000.6700 | -0072.3 | 105.3 | 23.19 | |
| 097.0 | 005.6000 | 0405.2 | 051.1 | 324.9 | 000.6700 | -0070.8 | 104.7 | 23.30 | |
| 098.0 | 005.6000 | 0401.7 | 050.9 | 324.5 | 000.6700 | -0069.5 | 104.2 | 23.40 | |
| 099.0 | 005.6000 | 0399.8 | 050.8 | 324.1 | 000.6700 | -0068.5 | 103.7 | 23.51 | |
| 100.0 | 005.6000 | 0400.4 | 050.8 | 323.7 | 000.6700 | -0067.7 | 103.0 | 23.64 | |
| 101.0 | 005.6000 | 0401.6 | 050.9 | 323.4 | 000.6700 | -0067.0 | 102.4 | 23.77 | |
| 102.0 | 005.6000 | 0403.3 | 051.0 | 323.1 | 000.6700 | -0066.4 | 101.8 | 23.90 | |
| 103.0 | 005.6000 | 0405.0 | 051.1 | 322.7 | 000.6700 | -0065.6 | 101.1 | 24.03 | |
| 104.0 | 005.6000 | 0407.3 | 051.2 | 322.3 | 000.6700 | -0064.9 | 100.5 | 24.16 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 105.0 | 005.6000 | 0409.7 | 051.3 | 322.0 | 000.6700 | -0063.9 | 099.8 | 24.29 |
| 106.0 | 005.6000 | 0412.2 | 051.4 | 321.6 | 000.6700 | -0062.8 | 099.2 | 24.41 |
| 107.0 | 005.6000 | 0415.4 | 051.6 | 321.2 | 000.6700 | -0061.5 | 098.6 | 24.54 |
| 108.0 | 005.6000 | 0418.8 | 051.8 | 320.8 | 000.6700 | -0059.8 | 097.9 | 24.67 |
| 109.0 | 005.6000 | 0422.0 | 052.0 | 320.4 | 000.6700 | -0057.7 | 097.3 | 24.79 |
| 110.0 | 005.6000 | 0424.8 | 052.1 | 320.0 | 000.6700 | -0055.0 | 096.7 | 24.91 |
| 111.0 | 005.6000 | 0427.7 | 052.3 | 319.6 | 000.6700 | -0052.1 | 096.1 | 25.02 |
| 112.0 | 005.6000 | 0430.1 | 052.4 | 319.1 | 000.6700 | -0048.6 | 095.6 | 25.13 |
| 113.0 | 005.6000 | 0432.6 | 052.6 | 318.7 | 000.6700 | -0045.1 | 095.1 | 25.24 |
| 114.0 | 005.6000 | 0434.7 | 052.7 | 318.2 | 000.6700 | -0041.6 | 094.6 | 25.33 |
| 115.0 | 005.6000 | 0437.2 | 052.8 | 317.7 | 000.6700 | -0038.4 | 094.1 | 25.43 |
| 116.0 | 005.6000 | 0440.1 | 053.0 | 317.2 | 000.6700 | -0035.6 | 093.7 | 25.53 |
| 117.0 | 005.6000 | 0443.2 | 053.1 | 316.7 | 000.6700 | -0033.6 | 093.2 | 25.62 |
| 118.0 | 005.6000 | 0446.8 | 053.3 | 316.2 | 000.6700 | -0032.6 | 092.7 | 25.72 |
| 119.0 | 005.6000 | 0451.3 | 053.6 | 315.7 | 000.6700 | -0032.7 | 092.2 | 25.82 |
| 120.0 | 005.6000 | 0456.4 | 053.9 | 315.2 | 000.6700 | -0033.3 | 091.7 | 25.93 |
| 121.0 | 005.6000 | 0461.4 | 054.1 | 314.6 | 000.6700 | -0034.7 | 091.2 | 26.03 |
| 122.0 | 005.6000 | 0466.0 | 054.4 | 314.1 | 000.6700 | -0036.8 | 090.7 | 26.12 |
| 123.0 | 005.6000 | 0470.0 | 054.6 | 313.5 | 000.6700 | -0039.3 | 090.3 | 26.21 |
| 124.0 | 005.6000 | 0474.0 | 054.9 | 313.0 | 000.6700 | -0042.2 | 090.0 | 26.28 |
| 125.0 | 005.6000 | 0477.3 | 055.1 | 312.4 | 000.6700 | -0045.1 | 089.7 | 26.35 |
| 126.0 | 005.6000 | 0479.4 | 055.2 | 311.8 | 000.6700 | -0047.7 | 089.4 | 26.39 |
| 127.0 | 005.6000 | 0480.5 | 055.2 | 311.1 | 000.6700 | -0050.3 | 089.3 | 26.42 |
| 128.0 | 005.6000 | 0480.5 | 055.2 | 310.5 | 000.6700 | -0053.0 | 089.3 | 26.43 |
| 129.0 | 005.6000 | 0479.7 | 055.2 | 309.9 | 000.6700 | -0055.6 | 089.3 | 26.42 |
| 130.0 | 005.6000 | 0478.7 | 055.1 | 309.3 | 000.6700 | -0058.6 | 089.4 | 26.40 |
| 131.0 | 005.6000 | 0476.8 | 055.0 | 308.7 | 000.6700 | -0062.0 | 089.5 | 26.37 |
| 132.0 | 005.6000 | 0473.8 | 054.9 | 308.1 | 000.6700 | -0065.6 | 089.8 | 26.32 |
| 133.0 | 005.6000 | 0469.9 | 054.6 | 307.5 | 000.6700 | -0069.1 | 090.1 | 26.26 |
| 134.0 | 005.6000 | 0465.9 | 054.4 | 306.9 | 000.6700 | -0073.0 | 090.4 | 26.19 |
| 135.0 | 005.6000 | 0462.4 | 054.2 | 306.3 | 000.6700 | -0076.9 | 090.8 | 26.12 |
| 136.0 | 005.6000 | 0459.7 | 054.1 | 305.8 | 000.6700 | -0080.9 | 091.1 | 26.05 |
| 137.0 | 005.6000 | 0457.1 | 053.9 | 305.2 | 000.6700 | -0084.6 | 091.4 | 25.98 |
| 138.0 | 005.6000 | 0453.1 | 053.7 | 304.7 | 000.6664 | -0088.3 | 091.9 | 25.87 |
| 139.0 | 005.6000 | 0447.1 | 053.3 | 304.2 | 000.6610 | -0091.7 | 092.4 | 25.72 |
| 140.0 | 005.6000 | 0439.8 | 052.9 | 303.7 | 000.6506 | -0094.8 | 093.1 | 25.52 |
| 141.0 | 005.6000 | 0431.5 | 052.5 | 303.2 | 000.6385 | -0097.8 | 093.8 | 25.29 |
| 142.0 | 005.6000 | 0424.1 | 052.1 | 302.8 | 000.6267 | -0101.0 | 094.5 | 25.07 |
| 143.0 | 005.6000 | 0418.8 | 051.8 | 302.3 | 000.6149 | -0104.1 | 095.1 | 24.86 |
| 144.0 | 005.6000 | 0415.2 | 051.6 | 301.9 | 000.6030 | -0107.3 | 095.6 | 24.67 |
| 145.0 | 005.6000 | 0412.1 | 051.4 | 301.4 | 000.5914 | -0110.4 | 096.1 | 24.49 |
| 146.0 | 005.6000 | 0408.9 | 051.3 | 301.0 | 000.5802 | -0113.4 | 096.7 | 24.29 |
| 147.0 | 005.6000 | 0406.4 | 051.1 | 300.6 | 000.5691 | -0116.1 | 097.2 | 24.11 |
| 148.0 | 005.6000 | 0403.7 | 051.0 | 300.1 | 000.5586 | -0118.6 | 097.7 | 23.91 |
| 149.0 | 005.6000 | 0400.9 | 050.8 | 299.7 | 000.5484 | -0121.0 | 098.3 | 23.72 |
| 150.0 | 005.6000 | 0396.9 | 050.6 | 299.3 | 000.5391 | -0123.0 | 098.9 | 23.52 |
| 151.0 | 005.6000 | 0389.5 | 050.2 | 299.0 | 000.5316 | -0124.5 | 099.8 | 23.30 |
| 152.0 | 005.6000 | 0377.7 | 049.6 | 298.8 | 000.5265 | -0125.4 | 100.8 | 23.05 |
| 153.0 | 005.6000 | 0363.1 | 048.7 | 298.7 | 000.5233 | -0125.8 | 101.9 | 22.79 |
| 154.0 | 005.6000 | 0347.8 | 047.8 | 298.6 | 000.5214 | -0126.1 | 103.2 | 22.52 |
| 155.0 | 005.6000 | 0333.2 | 046.9 | 298.6 | 000.5198 | -0126.4 | 104.4 | 22.27 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 156.0 | 005.6000 | 0320.2 | 046.1 | 298.5 | 000.5179 | -0126.6 | 105.5 | 22.03 |
| 157.0 | 005.6000 | 0308.5 | 045.4 | 298.4 | 000.5157 | -0126.9 | 106.6 | 21.80 |
| 158.0 | 005.6000 | 0298.8 | 044.8 | 298.3 | 000.5128 | -0127.3 | 107.5 | 21.58 |
| 159.0 | 005.6000 | 0292.1 | 044.4 | 298.1 | 000.5088 | -0127.8 | 108.4 | 21.39 |
| 160.0 | 005.6000 | 0288.9 | 044.2 | 297.9 | 000.5034 | -0128.4 | 109.0 | 21.21 |
| 161.0 | 005.6000 | 0286.5 | 044.0 | 297.6 | 000.4977 | -0128.9 | 109.7 | 21.03 |
| 162.0 | 005.6000 | 0286.7 | 044.1 | 297.3 | 000.4910 | -0129.4 | 110.2 | 20.87 |
| 163.0 | 005.6000 | 0290.7 | 044.3 | 297.0 | 000.4823 | -0129.6 | 110.6 | 20.71 |
| 164.0 | 005.6000 | 0293.6 | 044.5 | 296.6 | 000.4746 | -0129.4 | 111.1 | 20.55 |
| 165.0 | 005.6000 | 0294.4 | 044.5 | 296.3 | 000.4681 | -0128.8 | 111.6 | 20.38 |
| 166.0 | 005.6000 | 0294.3 | 044.5 | 296.1 | 000.4623 | -0128.2 | 112.2 | 20.21 |
| 167.0 | 005.6000 | 0292.4 | 044.4 | 295.9 | 000.4578 | -0127.5 | 112.9 | 20.04 |
| 168.0 | 005.6000 | 0286.7 | 044.1 | 295.8 | 000.4556 | -0127.2 | 113.7 | 19.85 |
| 169.0 | 005.6000 | 0281.0 | 043.7 | 295.7 | 000.4538 | -0126.9 | 114.5 | 19.67 |
| 170.0 | 005.6000 | 0276.7 | 043.4 | 295.6 | 000.4513 | -0126.5 | 115.3 | 19.50 |
| 171.0 | 005.6000 | 0273.3 | 043.2 | 295.5 | 000.4486 | -0126.0 | 116.1 | 19.33 |
| 172.0 | 005.6000 | 0266.6 | 042.8 | 295.5 | 000.4479 | -0125.9 | 116.9 | 19.15 |
| 173.0 | 005.6000 | 0255.5 | 042.1 | 295.5 | 000.4501 | -0126.3 | 117.9 | 18.98 |
| 174.0 | 005.6000 | 0241.2 | 041.2 | 295.7 | 000.4544 | -0127.0 | 119.0 | 18.81 |
| 175.0 | 005.6000 | 0226.1 | 040.2 | 296.0 | 000.4599 | -0127.9 | 120.1 | 18.65 |
| 176.0 | 005.6000 | 0219.6 | 039.7 | 296.0 | 000.4605 | -0128.0 | 121.0 | 18.49 |
| 177.0 | 005.6000 | 0215.4 | 039.4 | 296.0 | 000.4598 | -0127.8 | 121.7 | 18.34 |
| 178.0 | 005.6000 | 0212.7 | 039.2 | 295.9 | 000.4583 | -0127.6 | 122.4 | 18.19 |
| 179.0 | 005.6000 | 0210.2 | 039.1 | 295.9 | 000.4569 | -0127.4 | 123.1 | 18.04 |
| 180.0 | 005.6000 | 0212.3 | 039.2 | 295.6 | 000.4523 | -0126.6 | 123.7 | 17.89 |
| 181.0 | 005.6000 | 0215.7 | 039.5 | 295.4 | 000.4471 | -0125.7 | 124.2 | 17.74 |
| 182.0 | 005.6000 | 0219.0 | 039.7 | 295.2 | 000.4421 | -0124.7 | 124.7 | 17.59 |
| 183.0 | 005.6000 | 0230.7 | 040.5 | 294.7 | 000.4318 | -0122.5 | 125.1 | 17.42 |
| 184.0 | 005.6000 | 0246.5 | 041.5 | 294.2 | 000.4197 | -0119.9 | 125.4 | 17.24 |
| 185.0 | 005.6000 | 0263.9 | 042.6 | 293.6 | 000.4090 | -0117.3 | 125.8 | 17.06 |
| 186.0 | 005.6000 | 0277.0 | 043.5 | 293.1 | 000.4013 | -0115.5 | 126.2 | 16.88 |
| 187.0 | 005.6000 | 0287.4 | 044.1 | 292.8 | 000.3951 | -0114.3 | 126.8 | 16.71 |
| 188.0 | 005.6000 | 0298.3 | 044.8 | 292.4 | 000.3887 | -0113.5 | 127.4 | 16.53 |

06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WUMV BLED20120525AED

WRVT

Channel = 204A

Max ERP = 0.67 kW

RCAMSL = 207 m

N. Lat. 42 49 58.30

W. Lng. 71 43 43.20

Protected

60 dBu

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Interfering

40 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 250.0 | 000.0556 | -0112.2 | 004.8 | 130.7 | 005.6000 | 0477.5 | 142.1 | 37.64 | |
| 251.0 | 000.0581 | -0109.2 | 004.9 | 130.7 | 005.6000 | 0477.5 | 142.0 | 37.66 | |
| 252.0 | 000.0607 | -0106.2 | 005.0 | 130.7 | 005.6000 | 0477.5 | 141.9 | 37.69 | |
| 253.0 | 000.0634 | -0103.7 | 005.0 | 130.7 | 005.6000 | 0477.5 | 141.8 | 37.71 | |
| 254.0 | 000.0661 | -0103.8 | 005.1 | 130.7 | 005.6000 | 0477.5 | 141.7 | 37.74 | |
| 255.0 | 000.0695 | -0105.7 | 005.1 | 130.7 | 005.6000 | 0477.5 | 141.6 | 37.76 | |
| 256.0 | 000.0731 | -0108.4 | 005.2 | 130.7 | 005.6000 | 0477.5 | 141.5 | 37.79 | |
| 257.0 | 000.0767 | -0113.1 | 005.3 | 130.7 | 005.6000 | 0477.5 | 141.4 | 37.82 | |
| 258.0 | 000.0804 | -0116.2 | 005.3 | 130.7 | 005.6000 | 0477.5 | 141.3 | 37.85 | |
| 259.0 | 000.0842 | -0119.5 | 005.4 | 130.7 | 005.6000 | 0477.5 | 141.2 | 37.87 | |
| 260.0 | 000.0881 | -0123.7 | 005.5 | 130.7 | 005.6000 | 0477.5 | 141.1 | 37.90 | |
| 261.0 | 000.0921 | -0126.1 | 005.5 | 130.7 | 005.6000 | 0477.5 | 140.9 | 37.93 | |
| 262.0 | 000.0961 | -0127.9 | 005.6 | 130.7 | 005.6000 | 0477.6 | 140.8 | 37.96 | |
| 263.0 | 000.1003 | -0129.1 | 005.6 | 130.7 | 005.6000 | 0477.6 | 140.7 | 37.99 | |
| 264.0 | 000.1045 | -0128.8 | 005.7 | 130.6 | 005.6000 | 0477.6 | 140.6 | 38.02 | |
| 265.0 | 000.1100 | -0128.3 | 005.8 | 130.6 | 005.6000 | 0477.6 | 140.5 | 38.05 | |
| 266.0 | 000.1156 | -0130.1 | 005.8 | 130.6 | 005.6000 | 0477.6 | 140.4 | 38.08 | |
| 267.0 | 000.1214 | -0132.1 | 005.9 | 130.6 | 005.6000 | 0477.6 | 140.2 | 38.11 | |
| 268.0 | 000.1272 | -0132.1 | 006.0 | 130.6 | 005.6000 | 0477.7 | 140.1 | 38.14 | |
| 269.0 | 000.1333 | -0129.0 | 006.1 | 130.6 | 005.6000 | 0477.7 | 140.0 | 38.17 | |
| 270.0 | 000.1394 | -0125.6 | 006.1 | 130.6 | 005.6000 | 0477.7 | 139.9 | 38.20 | |
| 271.0 | 000.1457 | -0122.1 | 006.2 | 130.6 | 005.6000 | 0477.7 | 139.7 | 38.23 | |
| 272.0 | 000.1522 | -0118.6 | 006.3 | 130.6 | 005.6000 | 0477.8 | 139.6 | 38.26 | |
| 273.0 | 000.1588 | -0114.2 | 006.3 | 130.5 | 005.6000 | 0477.8 | 139.5 | 38.30 | |
| 274.0 | 000.1655 | -0112.4 | 006.4 | 130.5 | 005.6000 | 0477.8 | 139.4 | 38.33 | |
| 275.0 | 000.1742 | -0111.8 | 006.5 | 130.5 | 005.6000 | 0477.9 | 139.2 | 38.36 | |
| 276.0 | 000.1831 | -0111.4 | 006.6 | 130.5 | 005.6000 | 0477.9 | 139.1 | 38.40 | |
| 277.0 | 000.1923 | -0114.2 | 006.6 | 130.5 | 005.6000 | 0477.9 | 139.0 | 38.43 | |
| 278.0 | 000.2016 | -0120.9 | 006.7 | 130.4 | 005.6000 | 0478.0 | 138.8 | 38.46 | |
| 279.0 | 000.2112 | -0128.8 | 006.8 | 130.4 | 005.6000 | 0478.0 | 138.7 | 38.50 | |
| 280.0 | 000.2211 | -0135.7 | 006.9 | 130.4 | 005.6000 | 0478.1 | 138.6 | 38.53 | |
| 281.0 | 000.2311 | -0140.9 | 007.0 | 130.4 | 005.6000 | 0478.1 | 138.5 | 38.57 | |
| 282.0 | 000.2414 | -0143.0 | 007.0 | 130.3 | 005.6000 | 0478.2 | 138.3 | 38.60 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 283.0 | 000.2518 | -0143.3 | 007.1 | 130.3 | 005.6000 | 0478.2 | 138.2 | 38.63 |
| 284.0 | 000.2626 | -0141.5 | 007.2 | 130.3 | 005.6000 | 0478.3 | 138.1 | 38.67 |
| 285.0 | 000.2763 | -0136.5 | 007.3 | 130.2 | 005.6000 | 0478.3 | 137.9 | 38.70 |
| 286.0 | 000.2904 | -0129.3 | 007.4 | 130.2 | 005.6000 | 0478.4 | 137.8 | 38.74 |
| 287.0 | 000.3049 | -0121.9 | 007.4 | 130.2 | 005.6000 | 0478.4 | 137.7 | 38.77 |
| 288.0 | 000.3197 | -0116.3 | 007.5 | 130.1 | 005.6000 | 0478.5 | 137.5 | 38.81 |
| 289.0 | 000.3349 | -0113.1 | 007.6 | 130.1 | 005.6000 | 0478.5 | 137.4 | 38.85 |
| 290.0 | 000.3504 | -0112.3 | 007.7 | 130.1 | 005.6000 | 0478.6 | 137.3 | 38.88 |
| 291.0 | 000.3663 | -0112.0 | 007.8 | 130.0 | 005.6000 | 0478.6 | 137.1 | 38.92 |
| 292.0 | 000.3825 | -0112.8 | 007.9 | 130.0 | 005.6000 | 0478.7 | 137.0 | 38.95 |
| 293.0 | 000.3991 | -0115.0 | 008.0 | 129.9 | 005.6000 | 0478.8 | 136.9 | 38.99 |
| 294.0 | 000.4160 | -0119.1 | 008.1 | 129.9 | 005.6000 | 0478.8 | 136.8 | 39.02 |
| 295.0 | 000.4379 | -0123.8 | 008.2 | 129.9 | 005.6000 | 0478.9 | 136.6 | 39.06 |
| 296.0 | 000.4602 | -0127.9 | 008.3 | 129.8 | 005.6000 | 0478.9 | 136.5 | 39.10 |
| 297.0 | 000.4832 | -0129.6 | 008.4 | 129.8 | 005.6000 | 0479.0 | 136.3 | 39.14 |
| 298.0 | 000.5067 | -0128.1 | 008.5 | 129.7 | 005.6000 | 0479.1 | 136.2 | 39.18 |
| 299.0 | 000.5307 | -0124.6 | 008.6 | 129.7 | 005.6000 | 0479.1 | 136.0 | 39.22 |
| 300.0 | 000.5553 | -0119.4 | 008.7 | 129.6 | 005.6000 | 0479.2 | 135.9 | 39.25 |
| 301.0 | 000.5805 | -0113.3 | 008.8 | 129.6 | 005.6000 | 0479.2 | 135.8 | 39.29 |
| 302.0 | 000.6062 | -0106.4 | 008.9 | 129.5 | 005.6000 | 0479.3 | 135.7 | 39.32 |
| 303.0 | 000.6325 | -0099.4 | 009.0 | 129.4 | 005.6000 | 0479.3 | 135.5 | 39.35 |
| 304.0 | 000.6593 | -0092.7 | 009.1 | 129.4 | 005.6000 | 0479.4 | 135.4 | 39.38 |
| 305.0 | 000.6700 | -0086.0 | 009.2 | 129.3 | 005.6000 | 0479.4 | 135.4 | 39.40 |
| 306.0 | 000.6700 | -0079.2 | 009.2 | 129.2 | 005.6000 | 0479.5 | 135.3 | 39.41 |
| 307.0 | 000.6700 | -0072.3 | 009.2 | 129.2 | 005.6000 | 0479.6 | 135.3 | 39.41 |
| 308.0 | 000.6700 | -0066.0 | 009.2 | 129.1 | 005.6000 | 0479.6 | 135.3 | 39.41 |
| 309.0 | 000.6700 | -0060.2 | 009.2 | 129.0 | 005.6000 | 0479.7 | 135.3 | 39.42 |
| 310.0 | 000.6700 | -0055.2 | 009.2 | 129.0 | 005.6000 | 0479.8 | 135.3 | 39.42 |
| 311.0 | 000.6700 | -0050.9 | 009.2 | 128.9 | 005.6000 | 0479.8 | 135.3 | 39.42 |
| 312.0 | 000.6700 | -0046.7 | 009.2 | 128.8 | 005.6000 | 0479.9 | 135.3 | 39.42 |
| 313.0 | 000.6700 | -0042.0 | 009.2 | 128.8 | 005.6000 | 0480.0 | 135.3 | 39.42 |
| 314.0 | 000.6700 | -0037.2 | 009.2 | 128.7 | 005.6000 | 0480.0 | 135.3 | 39.42 |
| 315.0 | 000.6700 | -0033.6 | 009.2 | 128.6 | 005.6000 | 0480.1 | 135.4 | 39.42 |
| 316.0 | 000.6700 | -0032.6 | 009.2 | 128.6 | 005.6000 | 0480.1 | 135.4 | 39.41 |
| 317.0 | 000.6700 | -0034.6 | 009.2 | 128.5 | 005.6000 | 0480.2 | 135.4 | 39.41 |
| 318.0 | 000.6700 | -0040.2 | 009.2 | 128.4 | 005.6000 | 0480.2 | 135.4 | 39.41 |
| 319.0 | 000.6700 | -0047.6 | 009.2 | 128.4 | 005.6000 | 0480.3 | 135.4 | 39.40 |
| 320.0 | 000.6700 | -0054.9 | 009.2 | 128.3 | 005.6000 | 0480.3 | 135.5 | 39.39 |
| 321.0 | 000.6700 | -0060.5 | 009.2 | 128.2 | 005.6000 | 0480.3 | 135.5 | 39.39 |
| 322.0 | 000.6700 | -0063.9 | 009.2 | 128.2 | 005.6000 | 0480.4 | 135.5 | 39.38 |
| 323.0 | 000.6700 | -0066.3 | 009.2 | 128.1 | 005.6000 | 0480.4 | 135.6 | 39.37 |
| 324.0 | 000.6700 | -0068.3 | 009.2 | 128.0 | 005.6000 | 0480.4 | 135.6 | 39.36 |
| 325.0 | 000.6700 | -0071.3 | 009.2 | 128.0 | 005.6000 | 0480.5 | 135.7 | 39.35 |
| 326.0 | 000.6700 | -0075.6 | 009.2 | 127.9 | 005.6000 | 0480.5 | 135.7 | 39.34 |
| 327.0 | 000.6700 | -0079.6 | 009.2 | 127.8 | 005.6000 | 0480.5 | 135.8 | 39.33 |
| 328.0 | 000.6700 | -0082.1 | 009.2 | 127.8 | 005.6000 | 0480.6 | 135.8 | 39.32 |
| 329.0 | 000.6700 | -0083.6 | 009.2 | 127.7 | 005.6000 | 0480.6 | 135.9 | 39.30 |
| 330.0 | 000.6700 | -0083.8 | 009.2 | 127.6 | 005.6000 | 0480.6 | 135.9 | 39.29 |
| 331.0 | 000.6700 | -0083.1 | 009.2 | 127.6 | 005.6000 | 0480.6 | 136.0 | 39.27 |
| 332.0 | 000.6700 | -0082.0 | 009.2 | 127.5 | 005.6000 | 0480.6 | 136.0 | 39.26 |
| 333.0 | 000.6700 | -0080.9 | 009.2 | 127.5 | 005.6000 | 0480.6 | 136.1 | 39.24 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 334.0 | 000.6700 | -0078.2 | 009.2 | 127.4 | 005.6000 | 0480.6 | 136.2 | 39.22 |
| 335.0 | 000.6700 | -0072.0 | 009.2 | 127.3 | 005.6000 | 0480.6 | 136.2 | 39.20 |
| 336.0 | 000.6700 | -0062.7 | 009.2 | 127.3 | 005.6000 | 0480.6 | 136.3 | 39.18 |
| 337.0 | 000.6700 | -0053.6 | 009.2 | 127.2 | 005.6000 | 0480.6 | 136.4 | 39.16 |
| 338.0 | 000.6700 | -0047.4 | 009.2 | 127.2 | 005.6000 | 0480.6 | 136.5 | 39.14 |
| 339.0 | 000.6700 | -0043.7 | 009.2 | 127.1 | 005.6000 | 0480.5 | 136.6 | 39.12 |
| 340.0 | 000.6700 | -0041.7 | 009.2 | 127.0 | 005.6000 | 0480.5 | 136.6 | 39.10 |
| 341.0 | 000.6700 | -0040.8 | 009.2 | 127.0 | 005.6000 | 0480.5 | 136.7 | 39.08 |
| 342.0 | 000.6700 | -0040.3 | 009.2 | 126.9 | 005.6000 | 0480.5 | 136.8 | 39.05 |
| 343.0 | 000.6700 | -0039.6 | 009.2 | 126.9 | 005.6000 | 0480.5 | 136.9 | 39.03 |
| 344.0 | 000.6700 | -0038.8 | 009.2 | 126.8 | 005.6000 | 0480.5 | 137.0 | 39.01 |
| 345.0 | 000.6700 | -0037.5 | 009.2 | 126.8 | 005.6000 | 0480.4 | 137.1 | 38.98 |
| 346.0 | 000.6700 | -0035.8 | 009.2 | 126.7 | 005.6000 | 0480.4 | 137.2 | 38.95 |
| 347.0 | 000.6700 | -0034.7 | 009.2 | 126.7 | 005.6000 | 0480.4 | 137.3 | 38.93 |
| 348.0 | 000.6700 | -0034.4 | 009.2 | 126.6 | 005.6000 | 0480.4 | 137.4 | 38.90 |
| 349.0 | 000.6700 | -0033.5 | 009.2 | 126.6 | 005.6000 | 0480.3 | 137.5 | 38.87 |
| 350.0 | 000.6700 | -0030.7 | 009.2 | 126.5 | 005.6000 | 0480.2 | 137.6 | 38.84 |
| 351.0 | 000.6700 | -0026.6 | 009.2 | 126.5 | 005.6000 | 0480.2 | 137.7 | 38.81 |
| 352.0 | 000.6700 | -0019.8 | 009.2 | 126.4 | 005.6000 | 0480.1 | 137.8 | 38.78 |
| 353.0 | 000.6700 | -0013.6 | 009.2 | 126.4 | 005.6000 | 0480.0 | 137.9 | 38.75 |
| 354.0 | 000.6700 | -0007.3 | 009.2 | 126.3 | 005.6000 | 0480.0 | 138.1 | 38.72 |
| 355.0 | 000.6700 | -0001.6 | 009.2 | 126.3 | 005.6000 | 0479.9 | 138.2 | 38.69 |
| 356.0 | 000.6700 | 0000.8 | 009.2 | 126.2 | 005.6000 | 0479.8 | 138.3 | 38.66 |
| 357.0 | 000.6700 | -0000.2 | 009.2 | 126.2 | 005.6000 | 0479.8 | 138.4 | 38.62 |
| 358.0 | 000.6700 | -0001.3 | 009.2 | 126.1 | 005.6000 | 0479.7 | 138.5 | 38.59 |
| 359.0 | 000.6700 | -0001.7 | 009.2 | 126.1 | 005.6000 | 0479.6 | 138.7 | 38.56 |
| 000.0 | 000.6700 | -0001.7 | 009.2 | 126.1 | 005.6000 | 0479.5 | 138.8 | 38.52 |
| 001.0 | 000.6700 | -0002.8 | 009.2 | 126.0 | 005.6000 | 0479.5 | 138.9 | 38.49 |
| 002.0 | 000.6700 | -0003.9 | 009.2 | 126.0 | 005.6000 | 0479.4 | 139.1 | 38.45 |
| 003.0 | 000.6700 | -0004.0 | 009.2 | 126.0 | 005.6000 | 0479.3 | 139.2 | 38.42 |
| 004.0 | 000.6700 | -0002.7 | 009.2 | 125.9 | 005.6000 | 0479.3 | 139.3 | 38.38 |
| 005.0 | 000.6700 | -0001.2 | 009.2 | 125.9 | 005.6000 | 0479.2 | 139.5 | 38.35 |
| 006.0 | 000.6700 | 0000.2 | 009.2 | 125.8 | 005.6000 | 0479.1 | 139.6 | 38.31 |
| 007.0 | 000.6700 | 0001.1 | 009.2 | 125.8 | 005.6000 | 0479.1 | 139.7 | 38.27 |
| 008.0 | 000.6700 | 0000.4 | 009.2 | 125.8 | 005.6000 | 0479.0 | 139.9 | 38.24 |
| 009.0 | 000.6700 | -0001.2 | 009.2 | 125.7 | 005.6000 | 0479.0 | 140.0 | 38.20 |

WRVT vs WGOR.C
Vermont Public Co.

FMCommander Single Allocation Study - 06-17-2023 - GLOBE 30 Sec
WRVT's Overlaps (In= 2.6 km, Out= 41.62 km)

WRVT CH 204 C2

Lat= 43 39 31.50, Lng= 73 06 23.60

5.6 kW 407.8 m HAAT, 663 m COR

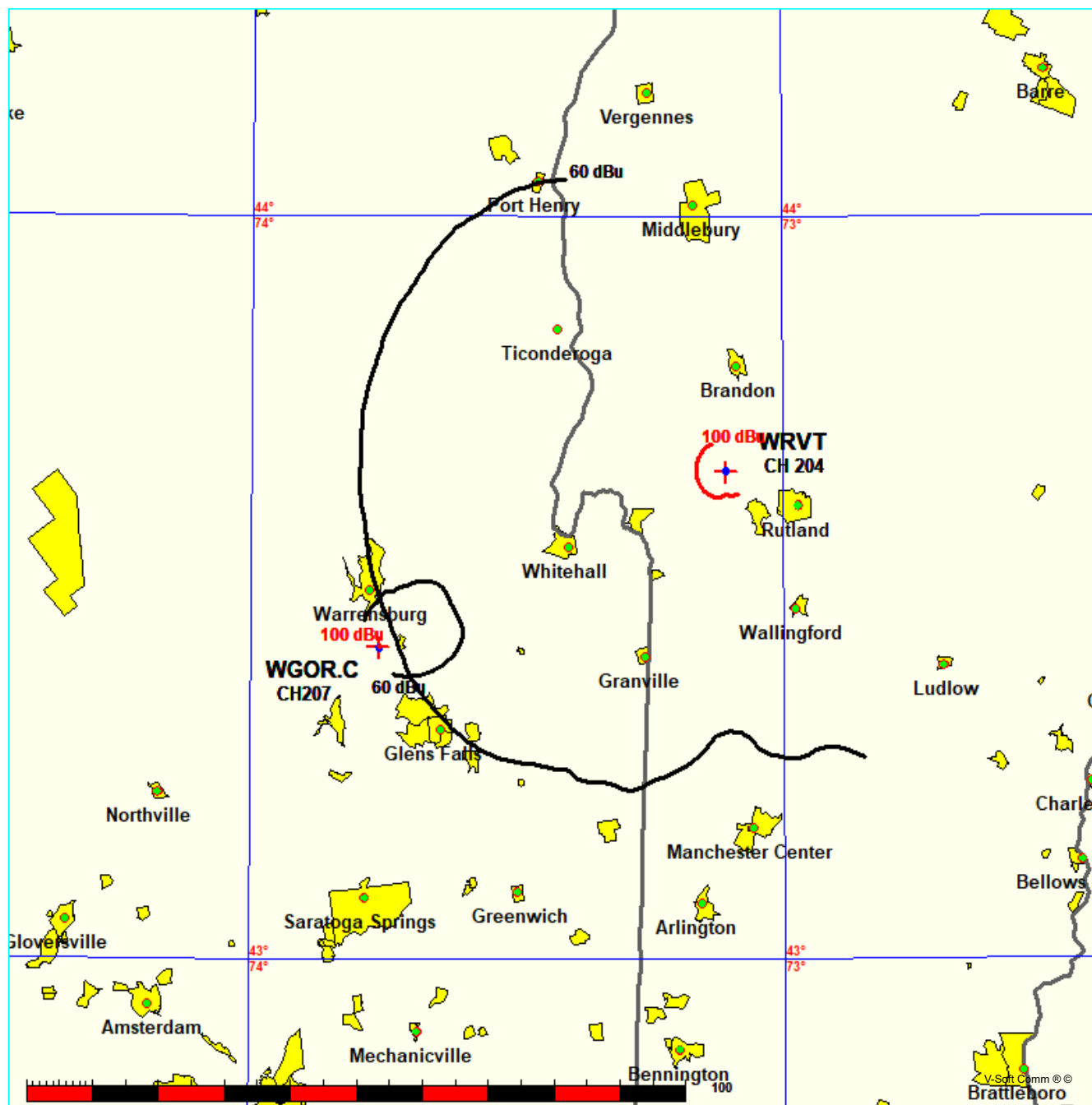
Prot.= 60 dBu, Intef.= 100 dBu

WGOR-C CH 207 A DA 0000166851

Lat= 43 25 12.20, Lng= 73 45 35.40

0.012 kW 384 m HAAT, 661 m COR

Prot.= 60 dBu, Intef.= 100 dBu



06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WRVT

WGOR 0000166851

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Protected

60 dBu

Channel = 207A

Max ERP = 0.012 kW

RCAMSL = 661 m

N. Lat. 43 25 12.20

W. Lng. 73 45 35.40

Interfering

100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 183.0 | 005.6000 | 0230.7 | 040.5 | 105.1 | 000.0048 | 0484.8 | 052.6 | 33.78 | |
| 184.0 | 005.6000 | 0246.5 | 041.5 | 106.4 | 000.0045 | 0485.9 | 052.1 | 33.72 | |
| 185.0 | 005.6000 | 0263.9 | 042.6 | 107.8 | 000.0042 | 0488.3 | 051.6 | 33.67 | |
| 186.0 | 005.6000 | 0277.0 | 043.5 | 108.9 | 000.0040 | 0489.9 | 051.1 | 33.67 | |
| 187.0 | 005.6000 | 0287.4 | 044.1 | 109.8 | 000.0038 | 0490.6 | 050.5 | 33.71 | |
| 188.0 | 005.6000 | 0298.3 | 044.8 | 110.7 | 000.0037 | 0490.8 | 049.9 | 33.75 | |
| 189.0 | 005.6000 | 0309.8 | 045.5 | 111.7 | 000.0035 | 0490.9 | 049.3 | 33.80 | |
| 190.0 | 005.6000 | 0319.0 | 046.0 | 112.6 | 000.0034 | 0490.9 | 048.6 | 33.87 | |
| 191.0 | 005.6000 | 0327.4 | 046.5 | 113.4 | 000.0033 | 0490.5 | 048.0 | 33.96 | |
| 192.0 | 005.6000 | 0335.8 | 047.1 | 114.2 | 000.0032 | 0489.9 | 047.3 | 34.03 | |
| 193.0 | 005.6000 | 0344.2 | 047.6 | 115.0 | 000.0030 | 0489.3 | 046.6 | 34.12 | |
| 194.0 | 005.6000 | 0354.5 | 048.2 | 116.0 | 000.0029 | 0488.7 | 045.9 | 34.16 | |
| 195.0 | 005.6000 | 0366.2 | 048.9 | 117.1 | 000.0028 | 0488.6 | 045.2 | 34.20 | |
| 196.0 | 005.6000 | 0378.2 | 049.6 | 118.2 | 000.0026 | 0489.0 | 044.5 | 34.25 | |
| 197.0 | 005.6000 | 0387.0 | 050.1 | 119.0 | 000.0025 | 0489.3 | 043.8 | 34.36 | |
| 198.0 | 005.6000 | 0390.5 | 050.3 | 119.5 | 000.0025 | 0489.5 | 043.0 | 34.58 | |
| 199.0 | 005.6000 | 0390.5 | 050.3 | 119.8 | 000.0024 | 0489.6 | 042.1 | 34.88 | |
| 200.0 | 005.6000 | 0389.7 | 050.2 | 119.9 | 000.0024 | 0489.6 | 041.2 | 35.20 | |
| 201.0 | 005.6000 | 0390.1 | 050.2 | 120.2 | 000.0024 | 0489.7 | 040.4 | 35.51 | |
| 202.0 | 005.6000 | 0392.3 | 050.4 | 120.6 | 000.0023 | 0489.8 | 039.5 | 35.81 | |
| 203.0 | 005.6000 | 0397.2 | 050.6 | 121.1 | 000.0023 | 0489.9 | 038.7 | 36.06 | |
| 204.0 | 005.6000 | 0404.6 | 051.0 | 121.9 | 000.0022 | 0490.1 | 037.9 | 36.27 | |
| 205.0 | 005.6000 | 0410.4 | 051.3 | 122.6 | 000.0021 | 0490.1 | 037.0 | 36.51 | |
| 206.0 | 005.6000 | 0410.9 | 051.4 | 122.8 | 000.0021 | 0490.1 | 036.2 | 36.86 | |
| 207.0 | 005.6000 | 0407.1 | 051.2 | 122.7 | 000.0021 | 0490.1 | 035.3 | 37.30 | |
| 208.0 | 005.6000 | 0404.4 | 051.0 | 122.6 | 000.0022 | 0490.1 | 034.3 | 37.73 | |
| 209.0 | 005.6000 | 0407.0 | 051.2 | 122.9 | 000.0021 | 0490.1 | 033.5 | 38.06 | |
| 210.0 | 005.6000 | 0414.4 | 051.6 | 123.7 | 000.0020 | 0490.2 | 032.6 | 38.31 | |
| 211.0 | 005.6000 | 0422.3 | 052.0 | 124.6 | 000.0020 | 0491.0 | 031.7 | 38.57 | |
| 212.0 | 005.6000 | 0428.6 | 052.3 | 125.4 | 000.0019 | 0491.8 | 030.9 | 38.88 | |
| 213.0 | 005.6000 | 0434.4 | 052.7 | 126.1 | 000.0018 | 0493.0 | 030.0 | 39.23 | |
| 214.0 | 005.6000 | 0441.4 | 053.0 | 126.9 | 000.0018 | 0494.7 | 029.1 | 39.59 | |
| 215.0 | 005.6000 | 0449.7 | 053.5 | 127.9 | 000.0017 | 0497.2 | 028.2 | 39.94 | |
| 216.0 | 005.6000 | 0458.6 | 054.0 | 129.1 | 000.0016 | 0499.6 | 027.3 | 40.29 | |
| 217.0 | 005.6000 | 0467.0 | 054.5 | 130.2 | 000.0015 | 0501.7 | 026.3 | 40.67 | |
| 218.0 | 005.6000 | 0474.8 | 054.9 | 131.4 | 000.0014 | 0503.3 | 025.4 | 41.10 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 219.0 | 005.6000 | 0481.7 | 055.3 | 132.4 | 000.0014 | 0504.4 | 024.5 | 41.55 |
| 220.0 | 005.6000 | 0487.5 | 055.7 | 133.4 | 000.0013 | 0504.7 | 023.5 | 42.04 |
| 221.0 | 005.6000 | 0492.0 | 055.9 | 134.2 | 000.0013 | 0504.9 | 022.6 | 42.57 |
| 222.0 | 005.6000 | 0495.2 | 056.1 | 134.9 | 000.0012 | 0504.7 | 021.6 | 43.15 |
| 223.0 | 005.6000 | 0497.4 | 056.2 | 135.4 | 000.0012 | 0504.3 | 020.6 | 43.78 |
| 224.0 | 005.6000 | 0499.3 | 056.4 | 135.8 | 000.0012 | 0503.8 | 019.7 | 44.43 |
| 225.0 | 005.6000 | 0501.4 | 056.5 | 136.3 | 000.0011 | 0503.2 | 018.7 | 45.09 |
| 226.0 | 005.6000 | 0504.0 | 056.6 | 136.9 | 000.0011 | 0502.2 | 017.7 | 45.74 |
| 227.0 | 005.6000 | 0506.0 | 056.8 | 137.3 | 000.0011 | 0501.2 | 016.7 | 46.41 |
| 228.0 | 005.6000 | 0507.1 | 056.8 | 137.6 | 000.0011 | 0500.7 | 015.7 | 47.16 |
| 229.0 | 005.6000 | 0507.6 | 056.9 | 137.7 | 000.0011 | 0500.5 | 014.7 | 47.81 |
| 230.0 | 005.6000 | 0508.0 | 056.9 | 137.7 | 000.0011 | 0500.4 | 013.7 | 48.91 |
| 231.0 | 005.6000 | 0508.3 | 056.9 | 137.6 | 000.0011 | 0500.6 | 012.8 | 50.10 |
| 232.0 | 005.6000 | 0508.7 | 056.9 | 137.4 | 000.0011 | 0501.1 | 011.8 | 51.39 |
| 233.0 | 005.6000 | 0509.6 | 057.0 | 137.3 | 000.0011 | 0501.4 | 010.8 | 52.71 |
| 234.0 | 005.6000 | 0510.6 | 057.0 | 137.0 | 000.0011 | 0501.9 | 009.8 | 54.12 |
| 235.0 | 005.6000 | 0511.2 | 057.1 | 136.5 | 000.0011 | 0502.9 | 008.8 | 55.62 |
| 236.0 | 005.6000 | 0511.3 | 057.1 | 135.4 | 000.0012 | 0504.2 | 007.8 | 57.26 |
| 237.0 | 005.6000 | 0510.5 | 057.0 | 133.5 | 000.0013 | 0504.7 | 006.8 | 59.15 |
| 238.0 | 005.6000 | 0508.7 | 056.9 | 130.2 | 000.0015 | 0501.7 | 005.9 | 61.44 |
| 239.0 | 005.6000 | 0506.2 | 056.8 | 125.1 | 000.0019 | 0491.4 | 005.0 | 64.32 |
| 240.0 | 005.6000 | 0503.3 | 056.6 | 117.4 | 000.0027 | 0488.7 | 004.2 | 67.64 |
| 241.0 | 005.6000 | 0500.3 | 056.4 | 106.3 | 000.0045 | 0485.8 | 003.6 | 71.58 |
| 242.0 | 005.6000 | 0497.8 | 056.3 | 091.2 | 000.0090 | 0472.3 | 003.1 | 75.94 |
| 243.0 | 005.6000 | 0495.9 | 056.2 | 072.5 | 000.0120 | 0469.5 | 002.8 | 77.91 |
| 244.0 | 005.6000 | 0494.5 | 056.1 | 052.9 | 000.0120 | 0473.9 | 002.9 | 77.61 |
| 245.0 | 005.6000 | 0493.4 | 056.0 | 036.4 | 000.0111 | 0427.6 | 003.3 | 75.97 |
| 246.0 | 005.6000 | 0492.3 | 055.9 | 024.3 | 000.0074 | 0356.9 | 003.9 | 71.97 |
| 247.0 | 005.6000 | 0491.4 | 055.9 | 015.8 | 000.0050 | 0328.6 | 004.7 | 68.02 |
| 248.0 | 005.6000 | 0491.2 | 055.9 | 009.5 | 000.0037 | 0385.2 | 005.5 | 65.42 |
| 249.0 | 005.6000 | 0491.5 | 055.9 | 004.7 | 000.0030 | 0400.6 | 006.3 | 62.86 |
| 250.0 | 005.6000 | 0491.9 | 055.9 | 001.2 | 000.0025 | 0361.6 | 007.2 | 60.19 |
| 251.0 | 005.6000 | 0492.3 | 055.9 | 358.5 | 000.0023 | 0327.8 | 008.1 | 57.57 |
| 252.0 | 005.6000 | 0492.0 | 055.9 | 356.8 | 000.0021 | 0334.3 | 009.1 | 55.79 |
| 253.0 | 005.6000 | 0491.7 | 055.9 | 355.5 | 000.0020 | 0340.2 | 010.0 | 54.12 |
| 254.0 | 005.6000 | 0491.2 | 055.9 | 354.5 | 000.0019 | 0341.6 | 011.0 | 52.46 |
| 255.0 | 005.6000 | 0490.2 | 055.8 | 354.0 | 000.0018 | 0341.8 | 011.9 | 50.89 |
| 256.0 | 005.6000 | 0489.2 | 055.8 | 353.6 | 000.0018 | 0342.3 | 012.9 | 49.43 |
| 257.0 | 005.6000 | 0488.0 | 055.7 | 353.3 | 000.0018 | 0343.1 | 013.9 | 48.10 |
| 258.0 | 005.6000 | 0486.9 | 055.6 | 353.2 | 000.0018 | 0343.7 | 014.9 | 46.88 |
| 259.0 | 005.6000 | 0485.4 | 055.5 | 353.2 | 000.0018 | 0343.7 | 015.8 | 45.99 |
| 260.0 | 005.6000 | 0483.8 | 055.4 | 353.2 | 000.0018 | 0343.4 | 016.8 | 45.19 |
| 261.0 | 005.6000 | 0482.6 | 055.4 | 353.3 | 000.0018 | 0343.1 | 017.8 | 44.39 |
| 262.0 | 005.6000 | 0482.3 | 055.4 | 353.2 | 000.0018 | 0343.4 | 018.7 | 43.60 |
| 263.0 | 005.6000 | 0483.3 | 055.4 | 353.0 | 000.0018 | 0344.3 | 019.7 | 42.80 |
| 264.0 | 005.6000 | 0484.9 | 055.5 | 352.8 | 000.0017 | 0345.4 | 020.7 | 42.01 |
| 265.0 | 005.6000 | 0485.9 | 055.6 | 352.7 | 000.0017 | 0345.9 | 021.6 | 41.25 |
| 266.0 | 005.6000 | 0486.4 | 055.6 | 352.7 | 000.0017 | 0345.7 | 022.6 | 40.51 |
| 267.0 | 005.6000 | 0486.6 | 055.6 | 352.8 | 000.0017 | 0345.2 | 023.6 | 39.80 |
| 268.0 | 005.6000 | 0485.8 | 055.6 | 353.1 | 000.0018 | 0344.0 | 024.5 | 39.14 |
| 269.0 | 005.6000 | 0485.2 | 055.5 | 353.3 | 000.0018 | 0343.0 | 025.5 | 38.49 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 270.0 | 005.6000 | 0484.5 | 055.5 | 353.6 | 000.0018 | 0342.1 | 026.5 | 37.87 |
| 271.0 | 005.6000 | 0483.8 | 055.4 | 353.9 | 000.0018 | 0341.8 | 027.4 | 37.30 |
| 272.0 | 005.6000 | 0483.3 | 055.4 | 354.2 | 000.0019 | 0341.7 | 028.4 | 36.76 |
| 273.0 | 005.6000 | 0484.2 | 055.5 | 354.4 | 000.0019 | 0341.7 | 029.4 | 36.21 |
| 274.0 | 005.6000 | 0485.3 | 055.5 | 354.6 | 000.0019 | 0341.6 | 030.3 | 35.68 |
| 275.0 | 005.6000 | 0486.4 | 055.6 | 354.7 | 000.0019 | 0341.5 | 031.3 | 35.19 |
| 276.0 | 005.6000 | 0486.8 | 055.6 | 355.0 | 000.0019 | 0341.2 | 032.2 | 34.75 |
| 277.0 | 005.6000 | 0487.0 | 055.6 | 355.3 | 000.0020 | 0340.6 | 033.2 | 34.33 |
| 278.0 | 005.6000 | 0488.1 | 055.7 | 355.5 | 000.0020 | 0340.0 | 034.2 | 33.89 |
| 279.0 | 005.6000 | 0489.3 | 055.8 | 355.8 | 000.0020 | 0339.3 | 035.1 | 33.46 |
| 280.0 | 005.6000 | 0489.8 | 055.8 | 356.1 | 000.0020 | 0338.3 | 036.1 | 33.04 |
| 281.0 | 005.6000 | 0489.0 | 055.7 | 356.5 | 000.0021 | 0336.0 | 037.0 | 32.62 |
| 282.0 | 005.6000 | 0488.0 | 055.7 | 357.0 | 000.0021 | 0333.4 | 037.9 | 32.21 |
| 283.0 | 005.6000 | 0487.5 | 055.7 | 357.4 | 000.0021 | 0331.4 | 038.9 | 31.80 |
| 284.0 | 005.6000 | 0487.0 | 055.6 | 357.8 | 000.0022 | 0329.8 | 039.8 | 31.42 |
| 285.0 | 005.6000 | 0486.3 | 055.6 | 358.2 | 000.0022 | 0328.6 | 040.7 | 31.05 |
| 286.0 | 005.6000 | 0485.4 | 055.5 | 358.7 | 000.0023 | 0327.4 | 041.6 | 30.70 |
| 287.0 | 005.6000 | 0484.0 | 055.4 | 359.2 | 000.0023 | 0329.6 | 042.5 | 30.47 |
| 288.0 | 005.6000 | 0483.3 | 055.4 | 359.6 | 000.0024 | 0336.6 | 043.5 | 30.37 |
| 289.0 | 005.6000 | 0483.4 | 055.4 | 000.0 | 000.0024 | 0342.8 | 044.4 | 30.24 |
| 290.0 | 005.6000 | 0484.0 | 055.5 | 000.4 | 000.0024 | 0348.6 | 045.3 | 30.11 |
| 291.0 | 005.6000 | 0484.9 | 055.5 | 000.7 | 000.0025 | 0354.0 | 046.2 | 29.98 |
| 292.0 | 005.6000 | 0485.5 | 055.5 | 001.1 | 000.0025 | 0360.0 | 047.2 | 29.87 |
| 293.0 | 005.6000 | 0485.6 | 055.5 | 001.5 | 000.0026 | 0366.5 | 048.1 | 29.80 |
| 294.0 | 005.6000 | 0485.1 | 055.5 | 001.9 | 000.0026 | 0373.8 | 049.0 | 29.76 |
| 295.0 | 005.6000 | 0484.7 | 055.5 | 002.4 | 000.0027 | 0380.3 | 049.8 | 29.70 |
| 296.0 | 005.6000 | 0484.1 | 055.5 | 002.8 | 000.0028 | 0385.1 | 050.7 | 29.60 |
| 297.0 | 005.6000 | 0482.8 | 055.4 | 003.3 | 000.0028 | 0389.8 | 051.6 | 29.50 |
| 298.0 | 005.6000 | 0480.3 | 055.2 | 003.9 | 000.0029 | 0395.0 | 052.4 | 29.44 |
| 299.0 | 005.6000 | 0477.4 | 055.1 | 004.5 | 000.0030 | 0399.5 | 053.2 | 29.36 |
| 300.0 | 005.6000 | 0475.3 | 054.9 | 005.0 | 000.0031 | 0401.9 | 054.0 | 29.22 |
| 301.0 | 005.6000 | 0474.5 | 054.9 | 005.5 | 000.0031 | 0402.9 | 054.9 | 29.01 |
| 302.0 | 005.6000 | 0474.0 | 054.9 | 006.0 | 000.0032 | 0403.4 | 055.8 | 28.79 |

06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WGOR 0000166851

WRVT

Channel = 207A

Max ERP = 0.012 kW

RCAMSL = 661 m

N. Lat. 43 25 12.20

W. Lng. 73 45 35.40

Protected

60 dBu

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Interfering

100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 003.0 | 000.0028 | 0386.7 | 007.7 | 250.4 | 005.6000 | 0492.1 | 055.5 | 63.55 | |
| 004.0 | 000.0029 | 0395.8 | 007.9 | 250.5 | 005.6000 | 0492.2 | 055.3 | 63.62 | |
| 005.0 | 000.0031 | 0401.8 | 008.1 | 250.7 | 005.6000 | 0492.2 | 055.1 | 63.70 | |
| 006.0 | 000.0032 | 0403.4 | 008.3 | 250.7 | 005.6000 | 0492.2 | 054.9 | 63.77 | |
| 007.0 | 000.0033 | 0403.0 | 008.4 | 250.8 | 005.6000 | 0492.3 | 054.7 | 63.83 | |
| 008.0 | 000.0035 | 0399.1 | 008.5 | 250.8 | 005.6000 | 0492.3 | 054.5 | 63.90 | |
| 009.0 | 000.0036 | 0390.8 | 008.5 | 250.8 | 005.6000 | 0492.3 | 054.4 | 63.95 | |
| 010.0 | 000.0038 | 0377.7 | 008.5 | 250.7 | 005.6000 | 0492.2 | 054.3 | 64.00 | |
| 011.0 | 000.0040 | 0361.8 | 008.5 | 250.6 | 005.6000 | 0492.2 | 054.1 | 64.05 | |
| 012.0 | 000.0042 | 0346.6 | 008.5 | 250.5 | 005.6000 | 0492.2 | 054.0 | 64.09 | |
| 013.0 | 000.0044 | 0335.6 | 008.5 | 250.4 | 005.6000 | 0492.1 | 053.9 | 64.13 | |
| 014.0 | 000.0046 | 0328.9 | 008.5 | 250.4 | 005.6000 | 0492.1 | 053.8 | 64.19 | |
| 015.0 | 000.0048 | 0327.0 | 008.6 | 250.4 | 005.6000 | 0492.1 | 053.6 | 64.25 | |
| 016.0 | 000.0051 | 0329.7 | 008.8 | 250.4 | 005.6000 | 0492.1 | 053.4 | 64.33 | |
| 017.0 | 000.0053 | 0335.7 | 009.0 | 250.5 | 005.6000 | 0492.2 | 053.1 | 64.42 | |
| 018.0 | 000.0055 | 0342.9 | 009.2 | 250.5 | 005.6000 | 0492.2 | 052.9 | 64.51 | |
| 019.0 | 000.0058 | 0349.6 | 009.4 | 250.6 | 005.6000 | 0492.2 | 052.6 | 64.60 | |
| 020.0 | 000.0060 | 0353.6 | 009.5 | 250.6 | 005.6000 | 0492.2 | 052.4 | 64.69 | |
| 021.0 | 000.0063 | 0354.7 | 009.7 | 250.6 | 005.6000 | 0492.2 | 052.2 | 64.77 | |
| 022.0 | 000.0067 | 0354.4 | 009.8 | 250.6 | 005.6000 | 0492.2 | 051.9 | 64.85 | |
| 023.0 | 000.0070 | 0354.6 | 010.0 | 250.6 | 005.6000 | 0492.2 | 051.7 | 64.93 | |
| 024.0 | 000.0073 | 0356.2 | 010.1 | 250.6 | 005.6000 | 0492.2 | 051.5 | 65.02 | |
| 025.0 | 000.0077 | 0358.9 | 010.3 | 250.6 | 005.6000 | 0492.2 | 051.2 | 65.11 | |
| 026.0 | 000.0080 | 0362.1 | 010.5 | 250.6 | 005.6000 | 0492.2 | 051.0 | 65.20 | |
| 027.0 | 000.0084 | 0366.6 | 010.6 | 250.6 | 005.6000 | 0492.2 | 050.7 | 65.29 | |
| 028.0 | 000.0088 | 0373.7 | 010.9 | 250.6 | 005.6000 | 0492.2 | 050.5 | 65.40 | |
| 029.0 | 000.0091 | 0382.7 | 011.1 | 250.6 | 005.6000 | 0492.2 | 050.2 | 65.51 | |
| 030.0 | 000.0095 | 0390.9 | 011.3 | 250.6 | 005.6000 | 0492.2 | 049.9 | 65.61 | |
| 031.0 | 000.0098 | 0397.7 | 011.5 | 250.5 | 005.6000 | 0492.2 | 049.6 | 65.70 | |
| 032.0 | 000.0100 | 0403.6 | 011.6 | 250.4 | 005.6000 | 0492.1 | 049.4 | 65.79 | |
| 033.0 | 000.0102 | 0409.1 | 011.7 | 250.3 | 005.6000 | 0492.1 | 049.1 | 65.87 | |
| 034.0 | 000.0105 | 0414.3 | 011.9 | 250.2 | 005.6000 | 0492.0 | 048.9 | 65.96 | |
| 035.0 | 000.0107 | 0419.7 | 012.0 | 250.1 | 005.6000 | 0492.0 | 048.7 | 66.04 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 036.0 | 000.0110 | 0425.5 | 012.2 | 250.0 | 005.6000 | 0491.9 | 048.4 | 66.13 |
| 037.0 | 000.0112 | 0431.0 | 012.3 | 249.9 | 005.6000 | 0491.8 | 048.2 | 66.21 |
| 038.0 | 000.0115 | 0437.3 | 012.5 | 249.8 | 005.6000 | 0491.8 | 048.0 | 66.30 |
| 039.0 | 000.0117 | 0443.5 | 012.6 | 249.6 | 005.6000 | 0491.7 | 047.7 | 66.38 |
| 040.0 | 000.0120 | 0450.2 | 012.7 | 249.5 | 005.6000 | 0491.7 | 047.5 | 66.47 |
| 041.0 | 000.0120 | 0456.8 | 012.8 | 249.3 | 005.6000 | 0491.6 | 047.3 | 66.53 |
| 042.0 | 000.0120 | 0463.4 | 012.9 | 249.1 | 005.6000 | 0491.6 | 047.2 | 66.59 |
| 043.0 | 000.0120 | 0470.2 | 013.0 | 248.9 | 005.6000 | 0491.5 | 047.0 | 66.65 |
| 044.0 | 000.0120 | 0477.0 | 013.0 | 248.7 | 005.6000 | 0491.4 | 046.8 | 66.70 |
| 045.0 | 000.0120 | 0483.2 | 013.1 | 248.4 | 005.6000 | 0491.3 | 046.7 | 66.75 |
| 046.0 | 000.0120 | 0488.5 | 013.1 | 248.2 | 005.6000 | 0491.3 | 046.6 | 66.80 |
| 047.0 | 000.0120 | 0492.0 | 013.2 | 248.0 | 005.6000 | 0491.2 | 046.5 | 66.84 |
| 048.0 | 000.0120 | 0493.5 | 013.2 | 247.7 | 005.6000 | 0491.2 | 046.4 | 66.88 |
| 049.0 | 000.0120 | 0492.9 | 013.2 | 247.4 | 005.6000 | 0491.2 | 046.3 | 66.90 |
| 050.0 | 000.0120 | 0490.0 | 013.1 | 247.1 | 005.6000 | 0491.3 | 046.3 | 66.92 |
| 051.0 | 000.0120 | 0485.3 | 013.1 | 246.9 | 005.6000 | 0491.5 | 046.2 | 66.93 |
| 052.0 | 000.0120 | 0479.2 | 013.0 | 246.6 | 005.6000 | 0491.8 | 046.2 | 66.94 |
| 053.0 | 000.0120 | 0473.6 | 013.0 | 246.3 | 005.6000 | 0492.0 | 046.2 | 66.95 |
| 054.0 | 000.0120 | 0470.4 | 013.0 | 246.0 | 005.6000 | 0492.3 | 046.2 | 66.96 |
| 055.0 | 000.0120 | 0468.7 | 012.9 | 245.7 | 005.6000 | 0492.5 | 046.2 | 66.98 |
| 056.0 | 000.0120 | 0466.6 | 012.9 | 245.4 | 005.6000 | 0492.8 | 046.2 | 66.99 |
| 057.0 | 000.0120 | 0460.9 | 012.9 | 245.2 | 005.6000 | 0493.2 | 046.2 | 66.99 |
| 058.0 | 000.0120 | 0455.2 | 012.8 | 244.9 | 005.6000 | 0493.5 | 046.2 | 66.98 |
| 059.0 | 000.0120 | 0452.0 | 012.8 | 244.6 | 005.6000 | 0493.8 | 046.2 | 66.99 |
| 060.0 | 000.0120 | 0451.5 | 012.8 | 244.3 | 005.6000 | 0494.2 | 046.2 | 67.00 |
| 061.0 | 000.0120 | 0450.8 | 012.8 | 244.0 | 005.6000 | 0494.5 | 046.2 | 67.01 |
| 062.0 | 000.0120 | 0448.5 | 012.7 | 243.8 | 005.6000 | 0494.8 | 046.2 | 67.01 |
| 063.0 | 000.0120 | 0446.6 | 012.7 | 243.5 | 005.6000 | 0495.2 | 046.3 | 67.01 |
| 064.0 | 000.0120 | 0446.4 | 012.7 | 243.2 | 005.6000 | 0495.6 | 046.3 | 67.01 |
| 065.0 | 000.0120 | 0448.5 | 012.7 | 242.9 | 005.6000 | 0496.0 | 046.2 | 67.03 |
| 066.0 | 000.0120 | 0451.5 | 012.8 | 242.7 | 005.6000 | 0496.5 | 046.2 | 67.05 |
| 067.0 | 000.0120 | 0455.3 | 012.8 | 242.4 | 005.6000 | 0497.1 | 046.2 | 67.07 |
| 068.0 | 000.0120 | 0458.3 | 012.8 | 242.1 | 005.6000 | 0497.7 | 046.2 | 67.09 |
| 069.0 | 000.0120 | 0461.1 | 012.9 | 241.8 | 005.6000 | 0498.3 | 046.2 | 67.10 |
| 070.0 | 000.0120 | 0463.7 | 012.9 | 241.5 | 005.6000 | 0498.9 | 046.2 | 67.11 |
| 071.0 | 000.0120 | 0465.7 | 012.9 | 241.3 | 005.6000 | 0499.6 | 046.2 | 67.12 |
| 072.0 | 000.0120 | 0468.1 | 012.9 | 241.0 | 005.6000 | 0500.4 | 046.2 | 67.13 |
| 073.0 | 000.0120 | 0470.7 | 013.0 | 240.7 | 005.6000 | 0501.2 | 046.3 | 67.14 |
| 074.0 | 000.0120 | 0472.7 | 013.0 | 240.4 | 005.6000 | 0502.0 | 046.3 | 67.14 |
| 075.0 | 000.0120 | 0475.1 | 013.0 | 240.1 | 005.6000 | 0502.9 | 046.3 | 67.15 |
| 076.0 | 000.0120 | 0477.0 | 013.0 | 239.9 | 005.6000 | 0503.7 | 046.4 | 67.15 |
| 077.0 | 000.0120 | 0478.1 | 013.0 | 239.6 | 005.6000 | 0504.5 | 046.4 | 67.14 |
| 078.0 | 000.0120 | 0477.7 | 013.0 | 239.3 | 005.6000 | 0505.3 | 046.5 | 67.13 |
| 079.0 | 000.0120 | 0476.3 | 013.0 | 239.1 | 005.6000 | 0506.0 | 046.6 | 67.11 |
| 080.0 | 000.0120 | 0475.1 | 013.0 | 238.8 | 005.6000 | 0506.7 | 046.7 | 67.09 |
| 081.0 | 000.0117 | 0474.7 | 012.9 | 238.6 | 005.6000 | 0507.2 | 046.8 | 67.05 |
| 082.0 | 000.0115 | 0474.7 | 012.8 | 238.4 | 005.6000 | 0507.8 | 047.0 | 67.00 |
| 083.0 | 000.0112 | 0474.6 | 012.8 | 238.2 | 005.6000 | 0508.3 | 047.2 | 66.95 |
| 084.0 | 000.0110 | 0473.5 | 012.7 | 238.0 | 005.6000 | 0508.7 | 047.3 | 66.90 |
| 085.0 | 000.0107 | 0472.3 | 012.6 | 237.8 | 005.6000 | 0509.2 | 047.5 | 66.84 |
| 086.0 | 000.0105 | 0471.2 | 012.5 | 237.6 | 005.6000 | 0509.5 | 047.7 | 66.78 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 087.0 | 000.0102 | 0470.0 | 012.4 | 237.4 | 005.6000 | 0509.8 | 047.9 | 66.72 |
| 088.0 | 000.0100 | 0468.8 | 012.3 | 237.3 | 005.6000 | 0510.1 | 048.1 | 66.66 |
| 089.0 | 000.0098 | 0467.4 | 012.2 | 237.1 | 005.6000 | 0510.3 | 048.3 | 66.60 |
| 090.0 | 000.0095 | 0468.5 | 012.2 | 236.9 | 005.6000 | 0510.5 | 048.4 | 66.54 |
| 091.0 | 000.0091 | 0471.6 | 012.0 | 236.8 | 005.6000 | 0510.7 | 048.7 | 66.47 |
| 092.0 | 000.0088 | 0474.7 | 011.9 | 236.7 | 005.6000 | 0510.8 | 048.9 | 66.39 |
| 093.0 | 000.0084 | 0477.8 | 011.8 | 236.6 | 005.6000 | 0510.9 | 049.1 | 66.32 |
| 094.0 | 000.0080 | 0480.5 | 011.7 | 236.5 | 005.6000 | 0511.0 | 049.3 | 66.24 |
| 095.0 | 000.0077 | 0483.0 | 011.5 | 236.4 | 005.6000 | 0511.1 | 049.5 | 66.16 |
| 096.0 | 000.0073 | 0485.1 | 011.4 | 236.3 | 005.6000 | 0511.1 | 049.8 | 66.08 |
| 097.0 | 000.0070 | 0485.7 | 011.3 | 236.3 | 005.6000 | 0511.1 | 050.0 | 65.99 |
| 098.0 | 000.0067 | 0485.1 | 011.1 | 236.2 | 005.6000 | 0511.2 | 050.3 | 65.90 |
| 099.0 | 000.0063 | 0483.8 | 010.9 | 236.2 | 005.6000 | 0511.2 | 050.5 | 65.81 |
| 100.0 | 000.0060 | 0482.8 | 010.8 | 236.2 | 005.6000 | 0511.2 | 050.8 | 65.72 |
| 101.0 | 000.0058 | 0483.2 | 010.6 | 236.1 | 005.6000 | 0511.2 | 051.0 | 65.64 |
| 102.0 | 000.0055 | 0484.3 | 010.5 | 236.1 | 005.6000 | 0511.2 | 051.2 | 65.56 |
| 103.0 | 000.0053 | 0485.3 | 010.4 | 236.0 | 005.6000 | 0511.2 | 051.5 | 65.48 |
| 104.0 | 000.0051 | 0485.3 | 010.2 | 236.0 | 005.6000 | 0511.2 | 051.7 | 65.40 |
| 105.0 | 000.0048 | 0484.8 | 010.1 | 236.0 | 005.6000 | 0511.2 | 051.9 | 65.32 |
| 106.0 | 000.0046 | 0485.4 | 009.9 | 236.0 | 005.6000 | 0511.2 | 052.1 | 65.23 |
| 107.0 | 000.0044 | 0486.9 | 009.8 | 236.0 | 005.6000 | 0511.2 | 052.4 | 65.15 |
| 108.0 | 000.0042 | 0488.7 | 009.6 | 236.0 | 005.6000 | 0511.2 | 052.6 | 65.07 |
| 109.0 | 000.0040 | 0490.1 | 009.5 | 236.0 | 005.6000 | 0511.2 | 052.8 | 64.99 |
| 110.0 | 000.0038 | 0490.7 | 009.3 | 236.1 | 005.6000 | 0511.2 | 053.0 | 64.91 |
| 111.0 | 000.0036 | 0490.9 | 009.2 | 236.1 | 005.6000 | 0511.2 | 053.2 | 64.84 |
| 112.0 | 000.0035 | 0490.9 | 009.1 | 236.1 | 005.6000 | 0511.2 | 053.4 | 64.76 |
| 113.0 | 000.0033 | 0490.7 | 008.9 | 236.1 | 005.6000 | 0511.2 | 053.6 | 64.69 |
| 114.0 | 000.0032 | 0490.0 | 008.8 | 236.2 | 005.6000 | 0511.2 | 053.9 | 64.62 |
| 115.0 | 000.0031 | 0489.3 | 008.7 | 236.2 | 005.6000 | 0511.1 | 054.1 | 64.54 |
| 116.0 | 000.0029 | 0488.7 | 008.5 | 236.3 | 005.6000 | 0511.1 | 054.3 | 64.47 |
| 117.0 | 000.0028 | 0488.6 | 008.4 | 236.3 | 005.6000 | 0511.1 | 054.5 | 64.40 |
| 118.0 | 000.0027 | 0488.9 | 008.2 | 236.4 | 005.6000 | 0511.1 | 054.7 | 64.32 |
| 119.0 | 000.0025 | 0489.3 | 008.1 | 236.5 | 005.6000 | 0511.0 | 054.9 | 64.25 |
| 120.0 | 000.0024 | 0489.7 | 007.9 | 236.5 | 005.6000 | 0510.9 | 055.0 | 64.18 |
| 121.0 | 000.0023 | 0489.9 | 007.8 | 236.6 | 005.6000 | 0510.9 | 055.2 | 64.12 |
| 122.0 | 000.0022 | 0490.1 | 007.7 | 236.7 | 005.6000 | 0510.8 | 055.4 | 64.05 |

WRVT vs WNCH
Vermont Public Co.

FMCommander Single Allocation Study - 06-17-2023 - GLOBE 30 Sec
WRVT's Overlaps (In= 2.78 km, Out= 7.16 km)

WRVT CH 204 C2

Lat= 43 39 31.50, Lng= 73 06 23.60

5.6 kW 407.8 m HAAT, 663 m COR

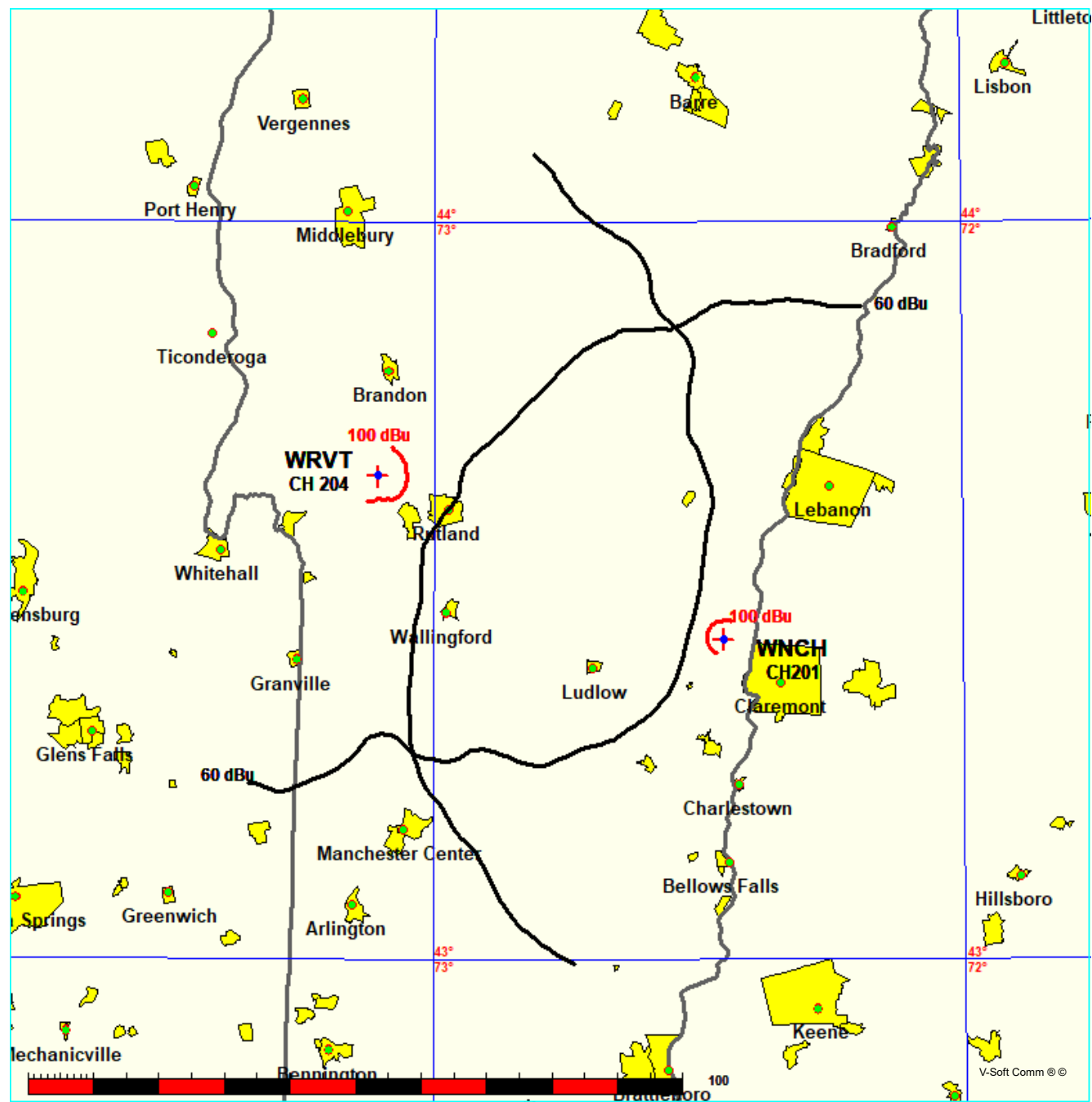
Prot.= 60 dBu, Intef.= 100 dBu

WNCH CH 201 B DA BMLED20120821ABW

Lat= 43 26 15.30, Lng= 72 27 06.30

1.55 kW 686.2 m HAAT, 973 m COR

Prot.= 60 dBu, Intef.= 100 dBu



06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WRVT

WNCH BMLD20120821ABW

Channel = 204C2
 Max ERP = 5.6 kW
 RCAMSL = 663 m
 N. Lat. 43 39 31.50
 W. Lng. 73 06 23.60
 Protected
 60 dBu

Channel = 201B
 Max ERP = 1.55 kW
 RCAMSL = 973 m
 N. Lat. 43 26 15.30
 W. Lng. 72 27 06.30
 Interfering
 100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 055.0 | 005.6000 | 0395.1 | 050.5 | 348.3 | 001.3047 | 0610.2 | 054.6 | 59.78 | |
| 056.0 | 005.6000 | 0387.2 | 050.1 | 348.2 | 001.3056 | 0610.3 | 053.6 | 60.13 | |
| 057.0 | 005.6000 | 0380.2 | 049.7 | 348.2 | 001.3062 | 0610.3 | 052.7 | 60.48 | |
| 058.0 | 005.6000 | 0375.7 | 049.5 | 348.3 | 001.3051 | 0610.2 | 051.8 | 60.80 | |
| 059.0 | 005.6000 | 0374.1 | 049.4 | 348.5 | 001.3020 | 0609.9 | 050.9 | 61.10 | |
| 060.0 | 005.6000 | 0374.9 | 049.4 | 348.9 | 001.2968 | 0608.7 | 050.1 | 61.35 | |
| 061.0 | 005.6000 | 0377.6 | 049.6 | 349.3 | 001.2901 | 0606.6 | 049.3 | 61.58 | |
| 062.0 | 005.6000 | 0383.1 | 049.9 | 350.0 | 001.2810 | 0605.1 | 048.6 | 61.80 | |
| 063.0 | 005.6000 | 0390.1 | 050.2 | 350.7 | 001.2992 | 0603.7 | 047.9 | 62.10 | |
| 064.0 | 005.6000 | 0397.2 | 050.6 | 351.5 | 001.3189 | 0602.5 | 047.2 | 62.41 | |
| 065.0 | 005.6000 | 0402.5 | 050.9 | 352.1 | 001.3360 | 0603.4 | 046.4 | 62.77 | |
| 066.0 | 005.6000 | 0406.0 | 051.1 | 352.7 | 001.3501 | 0604.7 | 045.6 | 63.13 | |
| 067.0 | 005.6000 | 0408.0 | 051.2 | 353.1 | 001.3618 | 0605.3 | 044.8 | 63.50 | |
| 068.0 | 005.6000 | 0408.9 | 051.3 | 353.5 | 001.3714 | 0606.6 | 043.9 | 63.88 | |
| 069.0 | 005.6000 | 0408.5 | 051.2 | 353.7 | 001.3786 | 0608.1 | 043.0 | 64.27 | |
| 070.0 | 005.6000 | 0405.0 | 051.1 | 353.8 | 001.3797 | 0608.3 | 042.1 | 64.64 | |
| 071.0 | 005.6000 | 0398.0 | 050.7 | 353.6 | 001.3734 | 0607.0 | 041.2 | 64.99 | |
| 072.0 | 005.6000 | 0389.9 | 050.2 | 353.2 | 001.3639 | 0605.5 | 040.2 | 65.32 | |
| 073.0 | 005.6000 | 0380.9 | 049.7 | 352.7 | 001.3513 | 0604.8 | 039.3 | 65.67 | |
| 074.0 | 005.6000 | 0374.1 | 049.4 | 352.4 | 001.3418 | 0604.0 | 038.4 | 66.01 | |
| 075.0 | 005.6000 | 0367.4 | 049.0 | 351.9 | 001.3312 | 0603.0 | 037.5 | 66.35 | |
| 076.0 | 005.6000 | 0361.9 | 048.7 | 351.6 | 001.3217 | 0602.5 | 036.6 | 66.69 | |
| 077.0 | 005.6000 | 0357.4 | 048.4 | 351.3 | 001.3133 | 0602.6 | 035.7 | 67.05 | |
| 078.0 | 005.6000 | 0353.8 | 048.2 | 351.0 | 001.3060 | 0603.1 | 034.9 | 67.41 | |
| 079.0 | 005.6000 | 0351.2 | 048.0 | 350.8 | 001.3004 | 0603.6 | 034.0 | 67.78 | |
| 080.0 | 005.6000 | 0349.3 | 047.9 | 350.6 | 001.2957 | 0604.1 | 033.2 | 68.16 | |
| 081.0 | 005.6000 | 0346.5 | 047.7 | 350.3 | 001.2876 | 0604.8 | 032.4 | 68.53 | |
| 082.0 | 005.6000 | 0346.8 | 047.7 | 350.3 | 001.2873 | 0604.8 | 031.5 | 68.92 | |
| 083.0 | 005.6000 | 0348.8 | 047.9 | 350.4 | 001.2913 | 0604.5 | 030.7 | 69.35 | |
| 084.0 | 005.6000 | 0354.1 | 048.2 | 350.9 | 001.3050 | 0603.2 | 029.8 | 69.82 | |
| 085.0 | 005.6000 | 0361.2 | 048.6 | 351.7 | 001.3237 | 0602.6 | 029.0 | 70.36 | |
| 086.0 | 005.6000 | 0366.7 | 048.9 | 352.2 | 001.3377 | 0603.6 | 028.1 | 70.92 | |
| 087.0 | 005.6000 | 0372.2 | 049.3 | 352.7 | 001.3511 | 0604.7 | 027.2 | 71.51 | |
| 088.0 | 005.6000 | 0377.6 | 049.6 | 353.2 | 001.3639 | 0605.5 | 026.3 | 72.12 | |
| 089.0 | 005.6000 | 0383.0 | 049.9 | 353.7 | 001.3764 | 0607.6 | 025.4 | 72.77 | |
| 090.0 | 005.6000 | 0388.9 | 050.2 | 354.2 | 001.3901 | 0610.8 | 024.5 | 73.46 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 091.0 | 005.6000 | 0394.9 | 050.5 | 354.7 | 001.4043 | 0614.0 | 023.6 | 74.17 |
| 092.0 | 005.6000 | 0400.6 | 050.8 | 355.2 | 001.4176 | 0616.7 | 022.7 | 74.89 |
| 093.0 | 005.6000 | 0403.7 | 051.0 | 355.3 | 001.4208 | 0617.4 | 021.8 | 75.55 |
| 094.0 | 005.6000 | 0406.4 | 051.1 | 355.3 | 001.4215 | 0617.6 | 020.9 | 76.21 |
| 095.0 | 005.6000 | 0409.2 | 051.3 | 355.3 | 001.4215 | 0617.6 | 020.0 | 76.87 |
| 096.0 | 005.6000 | 0407.8 | 051.2 | 354.6 | 001.4022 | 0613.6 | 019.1 | 77.40 |
| 097.0 | 005.6000 | 0405.2 | 051.1 | 353.6 | 001.3747 | 0607.3 | 018.3 | 77.85 |
| 098.0 | 005.6000 | 0401.7 | 050.9 | 352.3 | 001.3399 | 0603.9 | 017.5 | 78.31 |
| 099.0 | 005.6000 | 0399.8 | 050.8 | 351.1 | 001.3082 | 0602.9 | 016.7 | 78.83 |
| 100.0 | 005.6000 | 0400.4 | 050.8 | 350.1 | 001.2844 | 0605.0 | 015.8 | 79.44 |
| 101.0 | 005.6000 | 0401.6 | 050.9 | 349.2 | 001.2926 | 0607.4 | 015.0 | 79.99 |
| 102.0 | 005.6000 | 0403.3 | 051.0 | 348.1 | 001.3073 | 0610.4 | 014.1 | 80.88 |
| 103.0 | 005.6000 | 0405.0 | 051.1 | 346.9 | 001.3254 | 0610.6 | 013.3 | 81.78 |
| 104.0 | 005.6000 | 0407.3 | 051.2 | 345.5 | 001.3449 | 0611.7 | 012.4 | 82.74 |
| 105.0 | 005.6000 | 0409.7 | 051.3 | 343.9 | 001.3682 | 0618.1 | 011.6 | 83.78 |
| 106.0 | 005.6000 | 0412.2 | 051.4 | 342.0 | 001.3964 | 0625.9 | 010.8 | 84.86 |
| 107.0 | 005.6000 | 0415.4 | 051.6 | 339.8 | 001.4314 | 0613.1 | 009.9 | 85.87 |
| 108.0 | 005.6000 | 0418.8 | 051.8 | 337.2 | 001.5121 | 0596.6 | 009.1 | 87.02 |
| 109.0 | 005.6000 | 0422.0 | 052.0 | 334.0 | 001.5500 | 0585.7 | 008.3 | 88.10 |
| 110.0 | 005.6000 | 0424.8 | 052.1 | 329.8 | 001.5500 | 0565.1 | 007.6 | 89.02 |
| 111.0 | 005.6000 | 0427.7 | 052.3 | 324.8 | 001.5500 | 0544.9 | 006.9 | 90.01 |
| 112.0 | 005.6000 | 0430.1 | 052.4 | 318.5 | 001.5500 | 0537.7 | 006.4 | 90.94 |
| 113.0 | 005.6000 | 0432.6 | 052.6 | 311.1 | 001.5500 | 0537.5 | 005.9 | 91.79 |
| 114.0 | 005.6000 | 0434.7 | 052.7 | 302.4 | 001.5500 | 0558.7 | 005.6 | 92.48 |
| 115.0 | 005.6000 | 0437.2 | 052.8 | 292.9 | 001.5500 | 0549.8 | 005.4 | 92.79 |
| 116.0 | 005.6000 | 0440.1 | 053.0 | 282.9 | 001.5500 | 0564.1 | 005.4 | 92.89 |
| 117.0 | 005.6000 | 0443.2 | 053.1 | 273.1 | 001.5500 | 0560.0 | 005.5 | 92.62 |
| 118.0 | 005.6000 | 0446.8 | 053.3 | 264.0 | 001.5500 | 0582.8 | 005.8 | 92.15 |
| 119.0 | 005.6000 | 0451.3 | 053.6 | 255.5 | 001.5500 | 0620.4 | 006.2 | 91.53 |
| 120.0 | 005.6000 | 0456.4 | 053.9 | 248.1 | 001.5500 | 0652.5 | 006.7 | 90.76 |
| 121.0 | 005.6000 | 0461.4 | 054.1 | 241.9 | 001.5500 | 0644.7 | 007.3 | 89.75 |
| 122.0 | 005.6000 | 0466.0 | 054.4 | 236.9 | 001.5500 | 0639.7 | 008.1 | 88.71 |
| 123.0 | 005.6000 | 0470.0 | 054.6 | 233.1 | 001.5500 | 0638.6 | 008.9 | 87.67 |
| 124.0 | 005.6000 | 0474.0 | 054.9 | 230.0 | 001.5500 | 0629.4 | 009.7 | 86.58 |
| 125.0 | 005.6000 | 0477.3 | 055.1 | 227.6 | 001.5500 | 0642.4 | 010.6 | 85.62 |
| 126.0 | 005.6000 | 0479.4 | 055.2 | 226.0 | 001.5500 | 0653.9 | 011.5 | 84.68 |
| 127.0 | 005.6000 | 0480.5 | 055.2 | 225.0 | 001.5500 | 0660.3 | 012.5 | 83.75 |
| 128.0 | 005.6000 | 0480.5 | 055.2 | 224.5 | 001.5500 | 0664.0 | 013.4 | 82.84 |
| 129.0 | 005.6000 | 0479.7 | 055.2 | 224.3 | 001.5500 | 0665.6 | 014.4 | 81.97 |
| 130.0 | 005.6000 | 0478.7 | 055.1 | 224.3 | 001.5500 | 0666.0 | 015.3 | 81.42 |
| 131.0 | 005.6000 | 0476.8 | 055.0 | 224.5 | 001.5500 | 0664.5 | 016.3 | 80.66 |
| 132.0 | 005.6000 | 0473.8 | 054.9 | 224.9 | 001.5500 | 0661.2 | 017.3 | 79.88 |
| 133.0 | 005.6000 | 0469.9 | 054.6 | 225.5 | 001.5500 | 0657.3 | 018.2 | 79.11 |
| 134.0 | 005.6000 | 0465.9 | 054.4 | 226.1 | 001.5500 | 0653.3 | 019.2 | 78.35 |
| 135.0 | 005.6000 | 0462.4 | 054.2 | 226.6 | 001.5500 | 0649.8 | 020.1 | 77.60 |
| 136.0 | 005.6000 | 0459.7 | 054.1 | 227.0 | 001.5500 | 0647.1 | 021.1 | 76.88 |
| 137.0 | 005.6000 | 0457.1 | 053.9 | 227.4 | 001.5500 | 0644.1 | 022.0 | 76.17 |
| 138.0 | 005.6000 | 0453.1 | 053.7 | 228.0 | 001.5500 | 0639.5 | 023.0 | 75.45 |
| 139.0 | 005.6000 | 0447.1 | 053.3 | 228.8 | 001.5500 | 0633.8 | 023.9 | 74.73 |
| 140.0 | 005.6000 | 0439.8 | 052.9 | 229.8 | 001.5500 | 0629.6 | 024.8 | 74.05 |
| 141.0 | 005.6000 | 0431.5 | 052.5 | 230.8 | 001.5500 | 0629.4 | 025.7 | 73.45 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 142.0 | 005.6000 | 0424.1 | 052.1 | 231.7 | 001.5500 | 0632.1 | 026.6 | 72.92 |
| 143.0 | 005.6000 | 0418.8 | 051.8 | 232.4 | 001.5500 | 0635.5 | 027.5 | 72.43 |
| 144.0 | 005.6000 | 0415.2 | 051.6 | 232.8 | 001.5500 | 0637.4 | 028.4 | 71.94 |
| 145.0 | 005.6000 | 0412.1 | 051.4 | 233.2 | 001.5500 | 0639.2 | 029.3 | 71.47 |
| 146.0 | 005.6000 | 0408.9 | 051.3 | 233.6 | 001.5500 | 0640.8 | 030.2 | 71.02 |
| 147.0 | 005.6000 | 0406.4 | 051.1 | 234.0 | 001.5500 | 0641.6 | 031.1 | 70.58 |
| 148.0 | 005.6000 | 0403.7 | 051.0 | 234.3 | 001.5500 | 0642.1 | 032.0 | 70.16 |
| 149.0 | 005.6000 | 0400.9 | 050.8 | 234.7 | 001.5500 | 0642.5 | 032.9 | 69.75 |
| 150.0 | 005.6000 | 0396.9 | 050.6 | 235.2 | 001.5500 | 0642.2 | 033.7 | 69.35 |
| 151.0 | 005.6000 | 0389.5 | 050.2 | 236.0 | 001.5500 | 0641.2 | 034.6 | 68.95 |
| 152.0 | 005.6000 | 0377.7 | 049.6 | 237.2 | 001.5500 | 0639.1 | 035.4 | 68.55 |
| 153.0 | 005.6000 | 0363.1 | 048.7 | 238.7 | 001.5500 | 0636.3 | 036.2 | 68.15 |
| 154.0 | 005.6000 | 0347.8 | 047.8 | 240.2 | 001.5500 | 0636.6 | 036.9 | 67.81 |
| 155.0 | 005.6000 | 0333.2 | 046.9 | 241.7 | 001.5500 | 0643.0 | 037.7 | 67.57 |
| 156.0 | 005.6000 | 0320.2 | 046.1 | 243.0 | 001.5500 | 0652.8 | 038.4 | 67.38 |
| 157.0 | 005.6000 | 0308.5 | 045.4 | 244.1 | 001.5500 | 0658.3 | 039.2 | 67.13 |
| 158.0 | 005.6000 | 0298.8 | 044.8 | 245.0 | 001.5500 | 0659.4 | 040.0 | 66.82 |
| 159.0 | 005.6000 | 0292.1 | 044.4 | 245.7 | 001.5500 | 0657.8 | 040.7 | 66.47 |
| 160.0 | 005.6000 | 0288.9 | 044.2 | 246.0 | 001.5500 | 0656.8 | 041.5 | 66.14 |
| 161.0 | 005.6000 | 0286.5 | 044.0 | 246.3 | 001.5500 | 0655.9 | 042.2 | 65.81 |
| 162.0 | 005.6000 | 0286.7 | 044.1 | 246.4 | 001.5500 | 0655.7 | 043.0 | 65.49 |
| 163.0 | 005.6000 | 0290.7 | 044.3 | 246.2 | 001.5500 | 0656.3 | 043.8 | 65.17 |
| 164.0 | 005.6000 | 0293.6 | 044.5 | 246.1 | 001.5500 | 0656.6 | 044.6 | 64.86 |
| 165.0 | 005.6000 | 0294.4 | 044.5 | 246.2 | 001.5500 | 0656.3 | 045.3 | 64.55 |
| 166.0 | 005.6000 | 0294.3 | 044.5 | 246.3 | 001.5500 | 0655.8 | 046.1 | 64.25 |
| 167.0 | 005.6000 | 0292.4 | 044.4 | 246.7 | 001.5500 | 0654.8 | 046.9 | 63.95 |
| 168.0 | 005.6000 | 0286.7 | 044.1 | 247.3 | 001.5500 | 0653.4 | 047.5 | 63.67 |
| 169.0 | 005.6000 | 0281.0 | 043.7 | 247.9 | 001.5500 | 0652.7 | 048.2 | 63.42 |
| 170.0 | 005.6000 | 0276.7 | 043.4 | 248.4 | 001.5500 | 0652.4 | 048.9 | 63.16 |
| 171.0 | 005.6000 | 0273.3 | 043.2 | 248.8 | 001.5500 | 0652.6 | 049.6 | 62.91 |
| 172.0 | 005.6000 | 0266.6 | 042.8 | 249.4 | 001.5500 | 0653.1 | 050.2 | 62.69 |
| 173.0 | 005.6000 | 0255.5 | 042.1 | 250.4 | 001.5500 | 0652.0 | 050.8 | 62.46 |
| 174.0 | 005.6000 | 0241.2 | 041.2 | 251.6 | 001.5500 | 0646.7 | 051.3 | 62.21 |

06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WNCH BMLED20120821ABW

WRVT

Channel = 201B

Max ERP = 1.55 kW

RCAMSL = 973 m

N. Lat. 43 26 15.30

W. Lng. 72 27 06.30

Protected

60 dBu

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Interfering

100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 235.0 | 001.5500 | 0642.5 | 050.4 | 167.6 | 005.6000 | 0289.1 | 054.9 | 58.06 | |
| 236.0 | 001.5500 | 0641.3 | 050.4 | 167.9 | 005.6000 | 0287.3 | 054.1 | 58.33 | |
| 237.0 | 001.5500 | 0639.6 | 050.3 | 168.2 | 005.6000 | 0285.6 | 053.2 | 58.61 | |
| 238.0 | 001.5500 | 0637.8 | 050.2 | 168.5 | 005.6000 | 0284.0 | 052.4 | 58.89 | |
| 239.0 | 001.5500 | 0635.9 | 050.2 | 168.7 | 005.6000 | 0282.4 | 051.5 | 59.18 | |
| 240.0 | 001.5500 | 0636.1 | 050.2 | 169.1 | 005.6000 | 0280.5 | 050.7 | 59.44 | |
| 241.0 | 001.5500 | 0639.1 | 050.3 | 169.5 | 005.6000 | 0278.5 | 049.9 | 59.69 | |
| 242.0 | 001.5500 | 0645.2 | 050.5 | 170.1 | 005.6000 | 0276.4 | 049.2 | 59.93 | |
| 243.0 | 001.5500 | 0652.9 | 050.8 | 170.7 | 005.6000 | 0274.4 | 048.4 | 60.17 | |
| 244.0 | 001.5500 | 0658.0 | 051.0 | 171.3 | 005.6000 | 0271.8 | 047.6 | 60.40 | |
| 245.0 | 001.5500 | 0659.4 | 051.0 | 171.6 | 005.6000 | 0269.4 | 046.8 | 60.66 | |
| 246.0 | 001.5500 | 0656.9 | 050.9 | 171.9 | 005.6000 | 0267.8 | 045.9 | 60.97 | |
| 247.0 | 001.5500 | 0653.9 | 050.8 | 172.0 | 005.6000 | 0266.3 | 045.0 | 61.29 | |
| 248.0 | 001.5500 | 0652.5 | 050.8 | 172.3 | 005.6000 | 0264.1 | 044.2 | 61.58 | |
| 249.0 | 001.5500 | 0652.8 | 050.8 | 172.6 | 005.6000 | 0261.0 | 043.3 | 61.85 | |
| 250.0 | 001.5500 | 0652.7 | 050.8 | 172.8 | 005.6000 | 0257.6 | 042.5 | 62.11 | |
| 251.0 | 001.5500 | 0649.9 | 050.7 | 173.0 | 005.6000 | 0255.8 | 041.6 | 62.44 | |
| 252.0 | 001.5500 | 0643.6 | 050.4 | 172.9 | 005.6000 | 0256.5 | 040.7 | 62.87 | |
| 253.0 | 001.5500 | 0634.5 | 050.1 | 172.7 | 005.6000 | 0259.4 | 039.7 | 63.38 | |
| 254.0 | 001.5500 | 0627.5 | 049.9 | 172.5 | 005.6000 | 0261.3 | 038.8 | 63.86 | |
| 255.0 | 001.5500 | 0622.6 | 049.7 | 172.5 | 005.6000 | 0262.1 | 037.9 | 64.29 | |
| 256.0 | 001.5500 | 0618.8 | 049.5 | 172.4 | 005.6000 | 0262.6 | 037.1 | 64.72 | |
| 257.0 | 001.5500 | 0615.1 | 049.4 | 172.4 | 005.6000 | 0263.3 | 036.2 | 65.15 | |
| 258.0 | 001.5500 | 0610.3 | 049.2 | 172.2 | 005.6000 | 0264.9 | 035.3 | 65.63 | |
| 259.0 | 001.5500 | 0605.5 | 049.0 | 172.0 | 005.6000 | 0266.7 | 034.5 | 66.10 | |
| 260.0 | 001.5500 | 0601.5 | 048.9 | 171.8 | 005.6000 | 0268.1 | 033.6 | 66.57 | |
| 261.0 | 001.5500 | 0596.8 | 048.7 | 171.5 | 005.6000 | 0270.1 | 032.7 | 67.06 | |
| 262.0 | 001.5500 | 0592.1 | 048.5 | 171.2 | 005.6000 | 0272.1 | 031.9 | 67.55 | |
| 263.0 | 001.5500 | 0587.2 | 048.3 | 170.8 | 005.6000 | 0274.0 | 031.0 | 68.05 | |
| 264.0 | 001.5500 | 0582.6 | 048.1 | 170.4 | 005.6000 | 0275.4 | 030.2 | 68.56 | |
| 265.0 | 001.5500 | 0579.3 | 048.0 | 170.1 | 005.6000 | 0276.5 | 029.4 | 69.07 | |
| 266.0 | 001.5500 | 0576.7 | 047.9 | 169.7 | 005.6000 | 0277.8 | 028.6 | 69.62 | |
| 267.0 | 001.5500 | 0574.2 | 047.8 | 169.3 | 005.6000 | 0279.6 | 027.7 | 70.19 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 268.0 | 001.5500 | 0571.8 | 047.7 | 168.8 | 005.6000 | 0282.0 | 026.9 | 70.79 |
| 269.0 | 001.5500 | 0569.4 | 047.6 | 168.3 | 005.6000 | 0285.0 | 026.1 | 71.42 |
| 270.0 | 001.5500 | 0567.0 | 047.5 | 167.7 | 005.6000 | 0288.4 | 025.3 | 72.07 |
| 271.0 | 001.5500 | 0564.7 | 047.4 | 167.1 | 005.6000 | 0292.0 | 024.5 | 72.74 |
| 272.0 | 001.5500 | 0562.5 | 047.3 | 166.4 | 005.6000 | 0294.0 | 023.8 | 73.36 |
| 273.0 | 001.5500 | 0560.3 | 047.2 | 165.6 | 005.6000 | 0294.6 | 023.0 | 73.95 |
| 274.0 | 001.5500 | 0557.6 | 047.1 | 164.6 | 005.6000 | 0294.1 | 022.3 | 74.50 |
| 275.0 | 001.5500 | 0554.3 | 046.9 | 163.5 | 005.6000 | 0292.6 | 021.5 | 75.01 |
| 276.0 | 001.5500 | 0551.7 | 046.8 | 162.4 | 005.6000 | 0287.9 | 020.8 | 75.44 |
| 277.0 | 001.5500 | 0549.5 | 046.7 | 161.2 | 005.6000 | 0286.3 | 020.1 | 75.95 |
| 278.0 | 001.5500 | 0549.2 | 046.7 | 160.1 | 005.6000 | 0288.7 | 019.4 | 76.60 |
| 279.0 | 001.5500 | 0551.4 | 046.8 | 159.2 | 005.6000 | 0291.3 | 018.6 | 77.30 |
| 280.0 | 001.5500 | 0553.8 | 046.9 | 158.2 | 005.6000 | 0297.0 | 017.9 | 78.09 |
| 281.0 | 001.5500 | 0556.8 | 047.0 | 157.2 | 005.6000 | 0306.8 | 017.1 | 78.98 |
| 282.0 | 001.5500 | 0560.9 | 047.2 | 156.1 | 005.6000 | 0318.9 | 016.3 | 79.95 |
| 283.0 | 001.5500 | 0564.3 | 047.4 | 154.8 | 005.6000 | 0336.3 | 015.6 | 81.02 |
| 284.0 | 001.5500 | 0567.6 | 047.5 | 153.2 | 005.6000 | 0359.4 | 014.8 | 82.29 |
| 285.0 | 001.5500 | 0572.3 | 047.7 | 151.7 | 005.6000 | 0382.0 | 014.1 | 83.72 |
| 286.0 | 001.5500 | 0575.4 | 047.8 | 149.6 | 005.6000 | 0398.7 | 013.4 | 84.93 |
| 287.0 | 001.5500 | 0576.0 | 047.9 | 147.0 | 005.6000 | 0406.4 | 012.8 | 85.85 |
| 288.0 | 001.5500 | 0574.9 | 047.8 | 143.9 | 005.6000 | 0415.5 | 012.3 | 86.67 |
| 289.0 | 001.5500 | 0570.4 | 047.6 | 140.1 | 005.6000 | 0438.8 | 012.0 | 87.48 |
| 290.0 | 001.5500 | 0564.7 | 047.4 | 136.1 | 005.6000 | 0459.5 | 011.8 | 88.01 |
| 291.0 | 001.5500 | 0559.1 | 047.1 | 131.9 | 005.6000 | 0474.2 | 011.7 | 88.30 |
| 292.0 | 001.5500 | 0554.1 | 046.9 | 127.7 | 005.6000 | 0480.6 | 011.7 | 88.41 |
| 293.0 | 001.5500 | 0549.2 | 046.7 | 123.6 | 005.6000 | 0472.4 | 011.7 | 88.29 |
| 294.0 | 001.5500 | 0544.5 | 046.4 | 119.5 | 005.6000 | 0453.9 | 011.8 | 87.95 |
| 295.0 | 001.5500 | 0539.6 | 046.2 | 115.6 | 005.6000 | 0438.7 | 012.0 | 87.46 |
| 296.0 | 001.5500 | 0535.8 | 046.0 | 111.8 | 005.6000 | 0429.6 | 012.3 | 87.02 |
| 297.0 | 001.5500 | 0533.5 | 045.9 | 108.2 | 005.6000 | 0419.3 | 012.5 | 86.57 |
| 298.0 | 001.5500 | 0533.7 | 045.9 | 104.6 | 005.6000 | 0408.7 | 012.6 | 86.19 |
| 299.0 | 001.5500 | 0537.6 | 046.1 | 100.8 | 005.6000 | 0401.2 | 012.6 | 86.03 |
| 300.0 | 001.5500 | 0544.6 | 046.4 | 096.8 | 005.6000 | 0405.8 | 012.6 | 86.18 |
| 301.0 | 001.5500 | 0552.5 | 046.8 | 092.7 | 005.6000 | 0402.8 | 012.6 | 86.12 |
| 302.0 | 001.5500 | 0557.7 | 047.1 | 088.9 | 005.6000 | 0382.6 | 012.8 | 85.47 |
| 303.0 | 001.5500 | 0559.6 | 047.1 | 085.7 | 005.6000 | 0365.1 | 013.2 | 84.57 |
| 304.0 | 001.5500 | 0559.1 | 047.1 | 083.0 | 005.6000 | 0348.8 | 013.7 | 83.47 |
| 305.0 | 001.5500 | 0557.9 | 047.1 | 080.7 | 005.6000 | 0347.2 | 014.3 | 82.67 |
| 306.0 | 001.5500 | 0556.2 | 047.0 | 078.7 | 005.6000 | 0351.9 | 014.9 | 82.01 |
| 307.0 | 001.5500 | 0552.8 | 046.8 | 077.0 | 005.6000 | 0357.2 | 015.6 | 81.48 |
| 308.0 | 001.5500 | 0547.6 | 046.6 | 075.9 | 005.6000 | 0362.4 | 016.4 | 80.95 |
| 309.0 | 001.5500 | 0542.3 | 046.3 | 074.9 | 005.6000 | 0367.8 | 017.2 | 80.42 |
| 310.0 | 001.5500 | 0539.1 | 046.2 | 073.8 | 005.6000 | 0375.0 | 018.0 | 79.99 |
| 311.0 | 001.5500 | 0537.6 | 046.1 | 072.7 | 005.6000 | 0383.7 | 018.7 | 79.62 |
| 312.0 | 001.5500 | 0536.2 | 046.0 | 071.6 | 005.6000 | 0393.3 | 019.4 | 79.27 |
| 313.0 | 001.5500 | 0534.7 | 045.9 | 070.7 | 005.6000 | 0400.4 | 020.2 | 78.87 |
| 314.0 | 001.5500 | 0534.0 | 045.9 | 069.7 | 005.6000 | 0406.3 | 020.9 | 78.44 |
| 315.0 | 001.5500 | 0534.2 | 045.9 | 068.8 | 005.6000 | 0408.7 | 021.6 | 77.95 |
| 316.0 | 001.5500 | 0534.5 | 045.9 | 067.9 | 005.6000 | 0408.8 | 022.3 | 77.40 |
| 317.0 | 001.5500 | 0534.9 | 045.9 | 067.2 | 005.6000 | 0408.2 | 023.1 | 76.84 |
| 318.0 | 001.5500 | 0536.7 | 046.0 | 066.3 | 005.6000 | 0406.7 | 023.8 | 76.28 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 319.0 | 001.5500 | 0538.6 | 046.1 | 065.5 | 005.6000 | 0404.4 | 024.5 | 75.70 |
| 320.0 | 001.5500 | 0539.5 | 046.2 | 064.9 | 005.6000 | 0401.9 | 025.3 | 75.10 |
| 321.0 | 001.5500 | 0539.4 | 046.2 | 064.4 | 005.6000 | 0399.7 | 026.1 | 74.52 |
| 322.0 | 001.5500 | 0539.8 | 046.2 | 064.0 | 005.6000 | 0397.1 | 026.9 | 73.94 |
| 323.0 | 001.5500 | 0541.4 | 046.3 | 063.5 | 005.6000 | 0393.4 | 027.6 | 73.35 |
| 324.0 | 001.5500 | 0543.1 | 046.4 | 063.0 | 005.6000 | 0390.0 | 028.4 | 72.78 |
| 325.0 | 001.5500 | 0545.5 | 046.5 | 062.5 | 005.6000 | 0386.6 | 029.2 | 72.23 |
| 326.0 | 001.5500 | 0550.4 | 046.7 | 061.9 | 005.6000 | 0382.2 | 030.0 | 71.67 |
| 327.0 | 001.5500 | 0557.6 | 047.1 | 061.1 | 005.6000 | 0377.9 | 030.8 | 71.13 |
| 328.0 | 001.5500 | 0562.7 | 047.3 | 060.6 | 005.6000 | 0376.1 | 031.6 | 70.66 |
| 329.0 | 001.5500 | 0564.0 | 047.3 | 060.4 | 005.6000 | 0375.7 | 032.4 | 70.24 |
| 330.0 | 001.5500 | 0565.7 | 047.4 | 060.2 | 005.6000 | 0375.3 | 033.2 | 69.84 |
| 331.0 | 001.5500 | 0570.4 | 047.6 | 059.9 | 005.6000 | 0374.7 | 034.0 | 69.42 |
| 332.0 | 001.5500 | 0576.2 | 047.9 | 059.5 | 005.6000 | 0374.2 | 034.9 | 69.01 |
| 333.0 | 001.5500 | 0581.7 | 048.1 | 059.2 | 005.6000 | 0374.0 | 035.7 | 68.61 |
| 334.0 | 001.5500 | 0585.9 | 048.3 | 059.0 | 005.6000 | 0374.1 | 036.6 | 68.22 |
| 335.0 | 001.5500 | 0589.0 | 048.4 | 058.9 | 005.6000 | 0374.1 | 037.4 | 67.83 |
| 336.0 | 001.5500 | 0591.6 | 048.5 | 058.9 | 005.6000 | 0374.1 | 038.3 | 67.45 |
| 337.0 | 001.5184 | 0595.5 | 048.5 | 059.1 | 005.6000 | 0374.0 | 039.1 | 67.07 |
| 338.0 | 001.4871 | 0601.4 | 048.5 | 059.3 | 005.6000 | 0374.0 | 040.0 | 66.70 |
| 339.0 | 001.4561 | 0607.6 | 048.5 | 059.4 | 005.6000 | 0374.1 | 040.8 | 66.33 |
| 340.0 | 001.4255 | 0614.6 | 048.6 | 059.5 | 005.6000 | 0374.2 | 041.6 | 65.97 |
| 341.0 | 001.4107 | 0622.1 | 048.7 | 059.5 | 005.6000 | 0374.2 | 042.5 | 65.60 |
| 342.0 | 001.3959 | 0625.9 | 048.8 | 059.7 | 005.6000 | 0374.4 | 043.4 | 65.26 |
| 343.0 | 001.3813 | 0622.6 | 048.5 | 060.2 | 005.6000 | 0375.3 | 044.1 | 64.96 |
| 344.0 | 001.3667 | 0617.5 | 048.3 | 060.8 | 005.6000 | 0376.9 | 044.9 | 64.69 |
| 345.0 | 001.3522 | 0613.2 | 048.0 | 061.4 | 005.6000 | 0379.3 | 045.7 | 64.46 |
| 346.0 | 001.3377 | 0610.9 | 047.8 | 061.9 | 005.6000 | 0382.2 | 046.4 | 64.23 |
| 347.0 | 001.3234 | 0610.6 | 047.7 | 062.2 | 005.6000 | 0384.7 | 047.2 | 63.99 |
| 348.0 | 001.3091 | 0610.4 | 047.6 | 062.6 | 005.6000 | 0387.3 | 048.0 | 63.77 |
| 349.0 | 001.2949 | 0608.2 | 047.4 | 063.1 | 005.6000 | 0390.8 | 048.7 | 63.58 |
| 350.0 | 001.2807 | 0605.1 | 047.2 | 063.6 | 005.6000 | 0394.5 | 049.5 | 63.40 |
| 351.0 | 001.3065 | 0603.0 | 047.3 | 063.7 | 005.6000 | 0395.5 | 050.3 | 63.11 |
| 352.0 | 001.3325 | 0603.1 | 047.5 | 063.8 | 005.6000 | 0396.0 | 051.1 | 62.80 |
| 353.0 | 001.3588 | 0605.1 | 047.7 | 063.8 | 005.6000 | 0396.0 | 052.0 | 62.47 |
| 354.0 | 001.3854 | 0609.6 | 048.1 | 063.8 | 005.6000 | 0395.6 | 052.9 | 62.11 |

WRVT vs WVBA
Vermont Public Co.

FMCommander Single Allocation Study - 06-17-2023 - GLOBE 30 Sec
WRVT's Overlaps (In= 23.23 km, Out= 7.24 km)

WRVT CH 204 C2

Lat= 43 39 31.50, Lng= 73 06 23.60

5.6 kW 407.8 m HAAT, 663 m COR

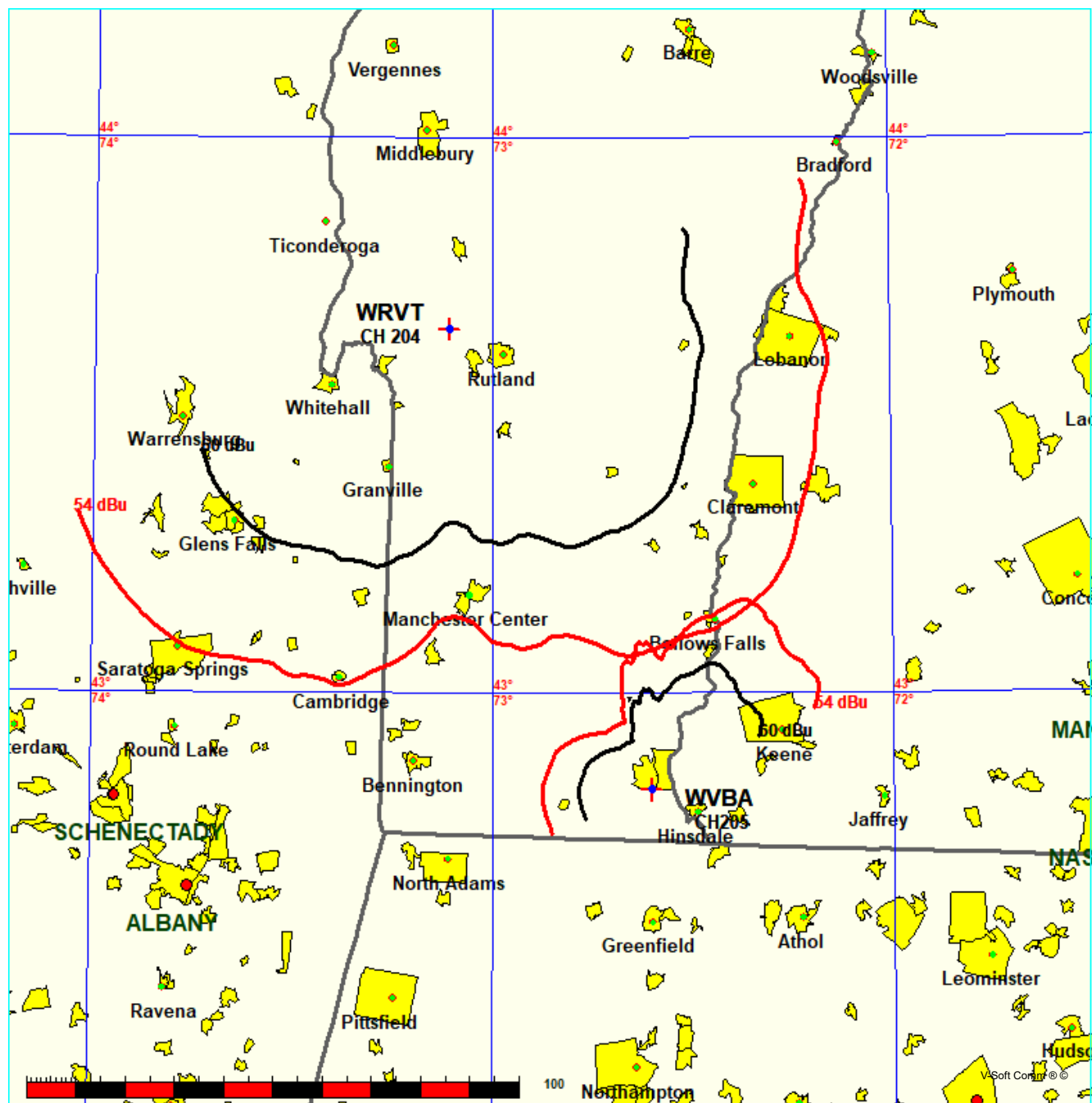
Prot.= 60 dBu, Intef.= 54 dBu

WVBA CH 205 B1 DA BLED20180712AAL

Lat= 42 49 42.40, Lng= 72 35 58.60

6.2 kW 54 m HAAT, 329 m COR

Prot.= 60 dBu, Intef.= 54 dBu



06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WRVT

WVBA BLED20180712AAL

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Protected

60 dBu

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.40

W. Lng. 72 35 58.60

Interfering

54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 096.0 | 005.6000 | 0407.8 | 051.2 | 006.6 | 001.4639 | 0089.3 | 087.4 | 33.18 | |
| 097.0 | 005.6000 | 0405.2 | 051.1 | 006.6 | 001.4615 | 0089.1 | 086.5 | 33.40 | |
| 098.0 | 005.6000 | 0401.7 | 050.9 | 006.4 | 001.4580 | 0088.7 | 085.6 | 33.62 | |
| 099.0 | 005.6000 | 0399.8 | 050.8 | 006.3 | 001.4556 | 0088.3 | 084.7 | 33.83 | |
| 100.0 | 005.6000 | 0400.4 | 050.8 | 006.3 | 001.4552 | 0088.3 | 083.8 | 34.07 | |
| 101.0 | 005.6000 | 0401.6 | 050.9 | 006.3 | 001.4551 | 0088.3 | 082.9 | 34.31 | |
| 102.0 | 005.6000 | 0403.3 | 051.0 | 006.3 | 001.4553 | 0088.3 | 082.0 | 34.56 | |
| 103.0 | 005.6000 | 0405.0 | 051.1 | 006.3 | 001.4550 | 0088.3 | 081.1 | 34.80 | |
| 104.0 | 005.6000 | 0407.3 | 051.2 | 006.3 | 001.4552 | 0088.3 | 080.2 | 35.04 | |
| 105.0 | 005.6000 | 0409.7 | 051.3 | 006.3 | 001.4551 | 0088.3 | 079.3 | 35.29 | |
| 106.0 | 005.6000 | 0412.2 | 051.4 | 006.3 | 001.4548 | 0088.2 | 078.4 | 35.53 | |
| 107.0 | 005.6000 | 0415.4 | 051.6 | 006.3 | 001.4549 | 0088.3 | 077.5 | 35.79 | |
| 108.0 | 005.6000 | 0418.8 | 051.8 | 006.3 | 001.4549 | 0088.2 | 076.6 | 36.04 | |
| 109.0 | 005.6000 | 0422.0 | 052.0 | 006.3 | 001.4544 | 0088.2 | 075.7 | 36.29 | |
| 110.0 | 005.6000 | 0424.8 | 052.1 | 006.2 | 001.4531 | 0088.0 | 074.8 | 36.53 | |
| 111.0 | 005.6000 | 0427.7 | 052.3 | 006.2 | 001.4516 | 0087.7 | 073.8 | 36.77 | |
| 112.0 | 005.6000 | 0430.1 | 052.4 | 006.1 | 001.4492 | 0087.3 | 072.9 | 37.00 | |
| 113.0 | 005.6000 | 0432.6 | 052.6 | 006.0 | 001.4466 | 0086.9 | 072.0 | 37.22 | |
| 114.0 | 005.6000 | 0434.7 | 052.7 | 005.8 | 001.4431 | 0086.3 | 071.1 | 37.43 | |
| 115.0 | 005.6000 | 0437.2 | 052.8 | 005.7 | 001.4396 | 0085.8 | 070.2 | 37.64 | |
| 116.0 | 005.6000 | 0440.1 | 053.0 | 005.5 | 001.4360 | 0085.2 | 069.3 | 37.86 | |
| 117.0 | 005.6000 | 0443.2 | 053.1 | 005.4 | 001.4323 | 0084.6 | 068.3 | 38.08 | |
| 118.0 | 005.6000 | 0446.8 | 053.3 | 005.2 | 001.4286 | 0084.0 | 067.4 | 38.29 | |
| 119.0 | 005.6000 | 0451.3 | 053.6 | 005.1 | 001.4256 | 0083.4 | 066.4 | 38.52 | |
| 120.0 | 005.6000 | 0456.4 | 053.9 | 005.0 | 001.4226 | 0082.8 | 065.5 | 38.75 | |
| 121.0 | 005.6000 | 0461.4 | 054.1 | 004.9 | 001.4190 | 0082.0 | 064.5 | 38.96 | |
| 122.0 | 005.6000 | 0466.0 | 054.4 | 004.7 | 001.4147 | 0080.9 | 063.5 | 39.16 | |
| 123.0 | 005.6000 | 0470.0 | 054.6 | 004.5 | 001.4090 | 0079.4 | 062.6 | 39.32 | |
| 124.0 | 005.6000 | 0474.0 | 054.9 | 004.2 | 001.4028 | 0078.2 | 061.6 | 39.50 | |
| 125.0 | 005.6000 | 0477.3 | 055.1 | 003.9 | 001.3953 | 0077.7 | 060.7 | 39.74 | |
| 126.0 | 005.6000 | 0479.4 | 055.2 | 003.5 | 001.3857 | 0078.5 | 059.8 | 40.05 | |
| 127.0 | 005.6000 | 0480.5 | 055.2 | 003.1 | 001.3744 | 0080.0 | 059.0 | 40.40 | |
| 128.0 | 005.6000 | 0480.5 | 055.2 | 002.5 | 001.3611 | 0081.7 | 058.2 | 40.76 | |
| 129.0 | 005.6000 | 0479.7 | 055.2 | 001.9 | 001.3464 | 0082.4 | 057.5 | 41.02 | |
| 130.0 | 005.6000 | 0478.7 | 055.1 | 001.3 | 001.3307 | 0083.6 | 056.8 | 41.31 | |
| 131.0 | 005.6000 | 0476.8 | 055.0 | 000.5 | 001.3136 | 0088.0 | 056.1 | 41.83 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 132.0 | 005.6000 | 0473.8 | 054.9 | 359.8 | 001.2933 | 0093.2 | 055.5 | 42.37 |
| 133.0 | 005.6000 | 0469.9 | 054.6 | 358.9 | 001.2679 | 0098.9 | 054.9 | 42.89 |
| 134.0 | 005.6000 | 0465.9 | 054.4 | 358.0 | 001.2419 | 0103.7 | 054.4 | 43.32 |
| 135.0 | 005.6000 | 0462.4 | 054.2 | 357.2 | 001.2162 | 0102.5 | 053.9 | 43.34 |
| 136.0 | 005.6000 | 0459.7 | 054.1 | 356.3 | 001.1910 | 0102.0 | 053.4 | 43.41 |
| 137.0 | 005.6000 | 0457.1 | 053.9 | 355.4 | 001.1656 | 0104.1 | 053.0 | 43.65 |
| 138.0 | 005.6000 | 0453.1 | 053.7 | 354.4 | 001.1384 | 0107.1 | 052.6 | 43.89 |
| 139.0 | 005.6000 | 0447.1 | 053.3 | 353.4 | 001.1092 | 0104.3 | 052.3 | 43.70 |
| 140.0 | 005.6000 | 0439.8 | 052.9 | 352.3 | 001.0790 | 0096.2 | 052.1 | 43.05 |
| 141.0 | 005.6000 | 0431.5 | 052.5 | 351.2 | 001.0484 | 0087.4 | 052.1 | 42.27 |
| 142.0 | 005.6000 | 0424.1 | 052.1 | 350.1 | 001.0190 | 0086.9 | 052.0 | 42.13 |
| 143.0 | 005.6000 | 0418.8 | 051.8 | 349.0 | 001.0203 | 0090.6 | 051.8 | 42.50 |
| 144.0 | 005.6000 | 0415.2 | 051.6 | 348.0 | 001.0239 | 0091.0 | 051.6 | 42.61 |
| 145.0 | 005.6000 | 0412.1 | 051.4 | 347.0 | 001.0274 | 0088.2 | 051.4 | 42.47 |
| 146.0 | 005.6000 | 0408.9 | 051.3 | 346.0 | 001.0309 | 0084.3 | 051.3 | 42.22 |
| 147.0 | 005.6000 | 0406.4 | 051.1 | 345.0 | 001.0344 | 0078.4 | 051.1 | 41.78 |
| 148.0 | 005.6000 | 0403.7 | 051.0 | 344.0 | 001.0380 | 0070.0 | 051.0 | 41.07 |
| 149.0 | 005.6000 | 0400.9 | 050.8 | 343.0 | 001.0416 | 0061.4 | 050.9 | 40.28 |
| 150.0 | 005.6000 | 0396.9 | 050.6 | 342.0 | 001.0453 | 0052.1 | 050.9 | 39.25 |
| 151.0 | 005.6000 | 0389.5 | 050.2 | 341.0 | 001.0490 | 0044.9 | 051.2 | 38.24 |
| 152.0 | 005.6000 | 0377.7 | 049.6 | 339.9 | 001.0530 | 0042.0 | 051.7 | 37.70 |
| 153.0 | 005.6000 | 0363.1 | 048.7 | 338.8 | 001.0589 | 0040.2 | 052.4 | 37.27 |
| 154.0 | 005.6000 | 0347.8 | 047.8 | 337.9 | 001.0645 | 0035.3 | 053.3 | 36.33 |
| 155.0 | 005.6000 | 0333.2 | 046.9 | 336.9 | 001.0697 | 0028.8 | 054.1 | 35.34 |
| 156.0 | 005.6000 | 0320.2 | 046.1 | 336.1 | 001.0746 | 0023.6 | 054.9 | 35.19 |
| 157.0 | 005.6000 | 0308.5 | 045.4 | 335.3 | 001.0792 | 0020.8 | 055.7 | 35.05 |
| 158.0 | 005.6000 | 0298.8 | 044.8 | 334.5 | 001.0836 | 0020.0 | 056.3 | 34.93 |
| 159.0 | 005.6000 | 0292.1 | 044.4 | 333.7 | 001.0879 | 0020.5 | 056.8 | 34.85 |
| 160.0 | 005.6000 | 0288.9 | 044.2 | 333.0 | 001.0922 | 0021.4 | 057.0 | 34.81 |
| 161.0 | 005.6000 | 0286.5 | 044.0 | 332.2 | 001.0965 | 0021.8 | 057.3 | 34.77 |
| 162.0 | 005.6000 | 0286.7 | 044.1 | 331.5 | 001.1008 | 0020.1 | 057.4 | 34.76 |
| 163.0 | 005.6000 | 0290.7 | 044.3 | 330.7 | 001.1055 | 0015.5 | 057.3 | 34.80 |
| 164.0 | 005.6000 | 0293.6 | 044.5 | 329.9 | 001.1094 | 0008.8 | 057.3 | 34.81 |
| 165.0 | 005.6000 | 0294.4 | 044.5 | 329.1 | 001.1098 | 0001.7 | 057.5 | 34.78 |
| 166.0 | 005.6000 | 0294.3 | 044.5 | 328.4 | 001.1102 | -0005.2 | 057.7 | 34.73 |
| 167.0 | 005.6000 | 0292.4 | 044.4 | 327.7 | 001.1106 | -0011.2 | 058.1 | 34.66 |
| 168.0 | 005.6000 | 0286.7 | 044.1 | 327.1 | 001.1109 | -0016.2 | 058.7 | 34.53 |
| 169.0 | 005.6000 | 0281.0 | 043.7 | 326.5 | 001.1112 | -0019.9 | 059.3 | 34.41 |
| 170.0 | 005.6000 | 0276.7 | 043.4 | 326.0 | 001.1115 | -0022.8 | 059.9 | 34.29 |
| 171.0 | 005.6000 | 0273.3 | 043.2 | 325.4 | 001.1118 | -0025.6 | 060.4 | 34.19 |
| 172.0 | 005.6000 | 0266.6 | 042.8 | 325.0 | 001.1120 | -0027.7 | 061.1 | 34.05 |
| 173.0 | 005.6000 | 0255.5 | 042.1 | 324.7 | 001.1122 | -0029.0 | 062.1 | 33.86 |
| 174.0 | 005.6000 | 0241.2 | 041.2 | 324.5 | 001.1123 | -0029.8 | 063.2 | 33.63 |
| 175.0 | 005.6000 | 0226.1 | 040.2 | 324.4 | 001.1123 | -0030.2 | 064.4 | 33.40 |
| 176.0 | 005.6000 | 0219.6 | 039.7 | 324.1 | 001.1125 | -0031.4 | 065.2 | 33.26 |
| 177.0 | 005.6000 | 0215.4 | 039.4 | 323.7 | 001.1127 | -0033.0 | 065.8 | 33.14 |
| 178.0 | 005.6000 | 0212.7 | 039.2 | 323.3 | 001.1129 | -0033.6 | 066.4 | 33.04 |
| 179.0 | 005.6000 | 0210.2 | 039.1 | 322.9 | 001.1131 | -0033.7 | 066.9 | 32.94 |
| 180.0 | 005.6000 | 0212.3 | 039.2 | 322.4 | 001.1134 | -0032.7 | 067.2 | 32.89 |
| 181.0 | 005.6000 | 0215.7 | 039.5 | 321.8 | 001.1137 | -0030.3 | 067.4 | 32.85 |
| 182.0 | 005.6000 | 0219.0 | 039.7 | 321.2 | 001.1140 | -0028.7 | 067.7 | 32.80 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 183.0 | 005.6000 | 0230.7 | 040.5 | 320.3 | 001.1144 | -0029.9 | 067.6 | 32.83 |
| 184.0 | 005.6000 | 0246.5 | 041.5 | 319.3 | 001.1563 | -0037.0 | 067.3 | 33.03 |
| 185.0 | 005.6000 | 0263.9 | 042.6 | 318.2 | 001.2214 | -0042.2 | 067.1 | 33.31 |
| 186.0 | 005.6000 | 0277.0 | 043.5 | 317.2 | 001.2785 | -0042.5 | 067.1 | 33.51 |
| 187.0 | 005.6000 | 0287.4 | 044.1 | 316.4 | 001.3301 | -0042.7 | 067.3 | 33.65 |
| 188.0 | 005.6000 | 0298.3 | 044.8 | 315.5 | 001.3840 | -0045.5 | 067.5 | 33.78 |
| 189.0 | 005.6000 | 0309.8 | 045.5 | 314.6 | 001.4395 | -0050.2 | 067.7 | 33.91 |
| 190.0 | 005.6000 | 0319.0 | 046.0 | 313.9 | 001.4896 | -0054.9 | 068.0 | 34.00 |
| 191.0 | 005.6000 | 0327.4 | 046.5 | 313.1 | 001.5380 | -0058.7 | 068.4 | 34.07 |
| 192.0 | 005.6000 | 0335.8 | 047.1 | 312.4 | 001.5868 | -0061.4 | 068.9 | 34.12 |
| 193.0 | 005.6000 | 0344.2 | 047.6 | 311.7 | 001.6352 | -0063.6 | 069.3 | 34.17 |
| 194.0 | 005.6000 | 0354.5 | 048.2 | 310.9 | 001.6892 | -0065.6 | 069.8 | 34.23 |
| 195.0 | 005.6000 | 0366.2 | 048.9 | 310.1 | 001.7468 | -0068.6 | 070.2 | 34.29 |
| 196.0 | 005.6000 | 0378.2 | 049.6 | 309.3 | 001.8096 | -0071.9 | 070.8 | 34.35 |
| 197.0 | 005.6000 | 0387.0 | 050.1 | 308.7 | 001.8605 | -0074.7 | 071.4 | 34.36 |
| 198.0 | 005.6000 | 0390.5 | 050.3 | 308.3 | 001.8929 | -0076.3 | 072.1 | 34.30 |
| 199.0 | 005.6000 | 0390.5 | 050.3 | 308.1 | 001.9122 | -0077.1 | 073.0 | 34.20 |
| 200.0 | 005.6000 | 0389.7 | 050.2 | 307.9 | 001.9274 | -0077.8 | 073.8 | 34.08 |
| 201.0 | 005.6000 | 0390.1 | 050.2 | 307.7 | 001.9456 | -0078.6 | 074.6 | 33.97 |
| 202.0 | 005.6000 | 0392.3 | 050.4 | 307.4 | 001.9684 | -0079.6 | 075.5 | 33.87 |
| 203.0 | 005.6000 | 0397.2 | 050.6 | 307.1 | 001.9993 | -0080.9 | 076.2 | 33.79 |
| 204.0 | 005.6000 | 0404.6 | 051.0 | 306.6 | 002.0372 | -0082.4 | 077.0 | 33.73 |
| 205.0 | 005.6000 | 0410.4 | 051.3 | 306.3 | 002.0686 | -0083.5 | 077.8 | 33.64 |
| 206.0 | 005.6000 | 0410.9 | 051.4 | 306.1 | 002.0809 | -0084.0 | 078.7 | 33.50 |
| 207.0 | 005.6000 | 0407.1 | 051.2 | 306.2 | 002.0770 | -0083.9 | 079.6 | 33.31 |
| 208.0 | 005.6000 | 0404.4 | 051.0 | 306.2 | 002.0761 | -0083.8 | 080.5 | 33.13 |
| 209.0 | 005.6000 | 0407.0 | 051.2 | 306.0 | 002.0915 | -0084.4 | 081.4 | 32.99 |
| 210.0 | 005.6000 | 0414.4 | 051.6 | 305.7 | 002.1220 | -0085.7 | 082.2 | 32.88 |
| 211.0 | 005.6000 | 0422.3 | 052.0 | 305.3 | 002.1529 | -0087.0 | 083.1 | 32.76 |
| 212.0 | 005.6000 | 0428.6 | 052.3 | 305.0 | 002.1770 | -0088.0 | 084.0 | 32.63 |
| 213.0 | 005.6000 | 0434.4 | 052.7 | 304.8 | 002.1984 | -0088.8 | 084.9 | 32.49 |
| 214.0 | 005.6000 | 0441.4 | 053.0 | 304.5 | 002.2225 | -0089.7 | 085.8 | 32.35 |
| 215.0 | 005.6000 | 0449.7 | 053.5 | 304.2 | 002.2496 | -0090.6 | 086.8 | 32.21 |

06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WVBA BLED20180712AAL

WRVT

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.40

W. Lng. 72 35 58.60

Protected

60 dBu

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Interfering

54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 276.0 | 004.5281 | -0164.0 | 014.6 | 163.6 | 005.6000 | 0292.7 | 094.6 | 44.51 | |
| 277.0 | 004.4500 | -0169.8 | 014.6 | 163.5 | 005.6000 | 0292.4 | 094.4 | 44.57 | |
| 278.0 | 004.3726 | -0174.4 | 014.5 | 163.4 | 005.6000 | 0292.1 | 094.2 | 44.62 | |
| 279.0 | 004.2959 | -0178.7 | 014.4 | 163.3 | 005.6000 | 0291.7 | 094.0 | 44.67 | |
| 280.0 | 004.2199 | -0183.3 | 014.4 | 163.2 | 005.6000 | 0291.4 | 093.8 | 44.72 | |
| 281.0 | 004.1862 | -0187.1 | 014.3 | 163.1 | 005.6000 | 0291.1 | 093.6 | 44.78 | |
| 282.0 | 004.1526 | -0190.2 | 014.3 | 163.0 | 005.6000 | 0290.7 | 093.4 | 44.83 | |
| 283.0 | 004.1192 | -0192.1 | 014.3 | 162.9 | 005.6000 | 0290.3 | 093.2 | 44.88 | |
| 284.0 | 004.0859 | -0190.4 | 014.3 | 162.8 | 005.6000 | 0289.9 | 093.0 | 44.93 | |
| 285.0 | 004.0528 | -0185.9 | 014.2 | 162.7 | 005.6000 | 0289.4 | 092.8 | 44.98 | |
| 286.0 | 004.0198 | -0179.2 | 014.2 | 162.6 | 005.6000 | 0289.0 | 092.6 | 45.03 | |
| 287.0 | 003.9869 | -0172.7 | 014.2 | 162.5 | 005.6000 | 0288.6 | 092.4 | 45.07 | |
| 288.0 | 003.9541 | -0166.6 | 014.1 | 162.4 | 005.6000 | 0288.1 | 092.2 | 45.12 | |
| 289.0 | 003.9215 | -0160.5 | 014.1 | 162.3 | 005.6000 | 0287.6 | 092.0 | 45.16 | |
| 290.0 | 003.8890 | -0153.9 | 014.1 | 162.2 | 005.6000 | 0287.3 | 091.8 | 45.20 | |
| 291.0 | 003.7547 | -0147.8 | 014.0 | 162.0 | 005.6000 | 0286.8 | 091.7 | 45.23 | |
| 292.0 | 003.6227 | -0143.2 | 013.8 | 161.9 | 005.6000 | 0286.4 | 091.6 | 45.25 | |
| 293.0 | 003.4931 | -0139.9 | 013.7 | 161.7 | 005.6000 | 0286.3 | 091.5 | 45.28 | |
| 294.0 | 003.3658 | -0136.8 | 013.6 | 161.6 | 005.6000 | 0286.1 | 091.4 | 45.30 | |
| 295.0 | 003.2409 | -0132.1 | 013.5 | 161.4 | 005.6000 | 0286.1 | 091.3 | 45.33 | |
| 296.0 | 003.1184 | -0125.4 | 013.3 | 161.3 | 005.6000 | 0286.2 | 091.2 | 45.36 | |
| 297.0 | 002.9982 | -0117.8 | 013.2 | 161.1 | 005.6000 | 0286.4 | 091.2 | 45.39 | |
| 298.0 | 002.8804 | -0111.2 | 013.1 | 160.9 | 005.6000 | 0286.6 | 091.1 | 45.42 | |
| 299.0 | 002.7649 | -0106.6 | 013.0 | 160.8 | 005.6000 | 0287.0 | 091.0 | 45.45 | |
| 300.0 | 002.6518 | -0102.8 | 012.8 | 160.6 | 005.6000 | 0287.4 | 091.0 | 45.48 | |
| 301.0 | 002.5538 | -0100.0 | 012.7 | 160.5 | 005.6000 | 0287.8 | 090.9 | 45.51 | |
| 302.0 | 002.4577 | -0097.5 | 012.6 | 160.3 | 005.6000 | 0288.2 | 090.9 | 45.54 | |
| 303.0 | 002.3633 | -0094.6 | 012.5 | 160.2 | 005.6000 | 0288.5 | 090.8 | 45.56 | |
| 304.0 | 002.2709 | -0091.5 | 012.4 | 160.0 | 005.6000 | 0288.9 | 090.8 | 45.58 | |
| 305.0 | 002.1802 | -0088.1 | 012.3 | 159.9 | 005.6000 | 0289.3 | 090.8 | 45.60 | |
| 306.0 | 002.0914 | -0084.4 | 012.1 | 159.7 | 005.6000 | 0289.7 | 090.7 | 45.62 | |
| 307.0 | 002.0045 | -0081.1 | 012.0 | 159.6 | 005.6000 | 0290.1 | 090.7 | 45.64 | |
| 308.0 | 001.9194 | -0077.4 | 011.9 | 159.4 | 005.6000 | 0290.6 | 090.7 | 45.66 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 309.0 | 001.8362 | -0073.3 | 011.8 | 159.2 | 005.6000 | 0291.2 | 090.7 | 45.68 |
| 310.0 | 001.7547 | -0068.9 | 011.6 | 159.1 | 005.6000 | 0291.7 | 090.7 | 45.69 |
| 311.0 | 001.6842 | -0065.4 | 011.5 | 158.9 | 005.6000 | 0292.4 | 090.7 | 45.71 |
| 312.0 | 001.6152 | -0062.9 | 011.4 | 158.8 | 005.6000 | 0293.1 | 090.7 | 45.73 |
| 313.0 | 001.5475 | -0059.3 | 011.3 | 158.7 | 005.6000 | 0293.9 | 090.8 | 45.75 |
| 314.0 | 001.4813 | -0054.2 | 011.2 | 158.5 | 005.6000 | 0294.9 | 090.8 | 45.78 |
| 315.0 | 001.4166 | -0048.2 | 011.1 | 158.4 | 005.6000 | 0295.9 | 090.8 | 45.80 |
| 316.0 | 001.3533 | -0043.5 | 010.9 | 158.2 | 005.6000 | 0296.9 | 090.8 | 45.82 |
| 317.0 | 001.2915 | -0042.4 | 010.8 | 158.1 | 005.6000 | 0298.1 | 090.9 | 45.84 |
| 318.0 | 001.2311 | -0042.4 | 010.7 | 158.0 | 005.6000 | 0299.2 | 090.9 | 45.86 |
| 319.0 | 001.1721 | -0038.9 | 010.6 | 157.8 | 005.6000 | 0300.4 | 091.0 | 45.88 |
| 320.0 | 001.1146 | -0031.6 | 010.4 | 157.7 | 005.6000 | 0301.6 | 091.1 | 45.90 |
| 321.0 | 001.1141 | -0028.5 | 010.4 | 157.6 | 005.6000 | 0302.6 | 091.0 | 45.95 |
| 322.0 | 001.1136 | -0031.2 | 010.4 | 157.5 | 005.6000 | 0303.7 | 091.0 | 46.00 |
| 323.0 | 001.1130 | -0033.8 | 010.4 | 157.3 | 005.6000 | 0304.7 | 090.9 | 46.04 |
| 324.0 | 001.1125 | -0031.8 | 010.4 | 157.2 | 005.6000 | 0305.9 | 090.9 | 46.10 |
| 325.0 | 001.1120 | -0027.5 | 010.4 | 157.1 | 005.6000 | 0307.2 | 090.8 | 46.15 |
| 326.0 | 001.1115 | -0022.7 | 010.4 | 157.0 | 005.6000 | 0308.4 | 090.8 | 46.20 |
| 327.0 | 001.1109 | -0017.0 | 010.4 | 156.9 | 005.6000 | 0309.6 | 090.8 | 46.24 |
| 328.0 | 001.1104 | -0008.6 | 010.4 | 156.8 | 005.6000 | 0310.8 | 090.7 | 46.29 |
| 329.0 | 001.1099 | 0000.6 | 010.4 | 156.7 | 005.6000 | 0312.1 | 090.7 | 46.34 |
| 330.0 | 001.1094 | 0009.9 | 010.4 | 156.6 | 005.6000 | 0313.4 | 090.7 | 46.39 |
| 331.0 | 001.1036 | 0017.6 | 010.4 | 156.4 | 005.6000 | 0314.8 | 090.7 | 46.43 |
| 332.0 | 001.0979 | 0021.5 | 010.4 | 156.3 | 005.6000 | 0316.2 | 090.7 | 46.48 |
| 333.0 | 001.0921 | 0021.4 | 010.4 | 156.2 | 005.6000 | 0317.6 | 090.7 | 46.52 |
| 334.0 | 001.0864 | 0020.2 | 010.4 | 156.1 | 005.6000 | 0319.0 | 090.7 | 46.56 |
| 335.0 | 001.0807 | 0020.3 | 010.4 | 156.0 | 005.6000 | 0320.3 | 090.7 | 46.60 |
| 336.0 | 001.0750 | 0023.2 | 010.3 | 155.9 | 005.6000 | 0321.8 | 090.7 | 46.64 |
| 337.0 | 001.0693 | 0029.3 | 010.3 | 155.8 | 005.6000 | 0323.2 | 090.7 | 46.68 |
| 338.0 | 001.0637 | 0036.2 | 011.2 | 155.6 | 005.6000 | 0324.9 | 089.8 | 47.02 |
| 339.0 | 001.0580 | 0040.7 | 011.8 | 155.5 | 005.6000 | 0326.8 | 089.2 | 47.27 |
| 340.0 | 001.0524 | 0042.2 | 012.0 | 155.3 | 005.6000 | 0328.7 | 089.0 | 47.39 |
| 341.0 | 001.0488 | 0045.1 | 012.5 | 155.2 | 005.6000 | 0330.8 | 088.6 | 47.58 |
| 342.0 | 001.0453 | 0052.0 | 013.4 | 155.0 | 005.6000 | 0333.7 | 087.7 | 47.95 |
| 343.0 | 001.0417 | 0061.1 | 014.4 | 154.7 | 005.6000 | 0337.3 | 086.7 | 48.39 |
| 344.0 | 001.0382 | 0069.7 | 015.3 | 154.5 | 005.6000 | 0341.1 | 085.9 | 48.79 |
| 345.0 | 001.0346 | 0078.0 | 016.3 | 154.2 | 005.6000 | 0345.4 | 085.0 | 49.22 |
| 346.0 | 001.0311 | 0084.1 | 017.0 | 153.9 | 005.6000 | 0349.5 | 084.3 | 49.56 |
| 347.0 | 001.0275 | 0088.0 | 017.4 | 153.6 | 005.6000 | 0353.6 | 084.0 | 49.81 |
| 348.0 | 001.0240 | 0090.9 | 017.7 | 153.4 | 005.6000 | 0357.5 | 083.7 | 50.01 |
| 349.0 | 001.0205 | 0090.8 | 017.7 | 153.2 | 005.6000 | 0360.6 | 083.8 | 50.08 |
| 350.0 | 001.0170 | 0087.1 | 017.3 | 153.0 | 005.6000 | 0362.4 | 084.4 | 49.97 |
| 351.0 | 001.0437 | 0086.8 | 017.4 | 152.8 | 005.6000 | 0365.6 | 084.4 | 50.07 |
| 352.0 | 001.0709 | 0093.1 | 018.2 | 152.5 | 005.6000 | 0371.3 | 083.7 | 50.48 |
| 353.0 | 001.0984 | 0102.5 | 019.3 | 152.0 | 005.6000 | 0378.0 | 082.7 | 51.01 |
| 354.0 | 001.1262 | 0106.6 | 019.8 | 151.6 | 005.6000 | 0382.5 | 082.4 | 51.28 |
| 355.0 | 001.1544 | 0106.3 | 019.9 | 151.4 | 005.6000 | 0385.5 | 082.4 | 51.36 |
| 356.0 | 001.1829 | 0102.0 | 019.6 | 151.2 | 005.6000 | 0387.1 | 082.8 | 51.27 |
| 357.0 | 001.2118 | 0102.3 | 019.8 | 151.0 | 005.6000 | 0389.7 | 082.8 | 51.35 |
| 358.0 | 001.2410 | 0103.7 | 020.0 | 150.7 | 005.6000 | 0392.3 | 082.8 | 51.46 |
| 359.0 | 001.2706 | 0098.3 | 019.6 | 150.6 | 005.6000 | 0392.9 | 083.3 | 51.29 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 000.0 | 001.3005 | 0091.6 | 019.0 | 150.6 | 005.6000 | 0392.9 | 084.0 | 51.06 |
| 001.0 | 001.3245 | 0085.0 | 018.3 | 150.7 | 005.6000 | 0392.6 | 084.8 | 50.80 |
| 002.0 | 001.3487 | 0082.5 | 018.1 | 150.5 | 005.6000 | 0393.4 | 085.1 | 50.70 |
| 003.0 | 001.3731 | 0080.1 | 017.9 | 150.4 | 005.6000 | 0394.2 | 085.4 | 50.62 |
| 004.0 | 001.3977 | 0077.7 | 017.7 | 150.3 | 005.6000 | 0394.9 | 085.8 | 50.52 |
| 005.0 | 001.4225 | 0082.8 | 018.4 | 149.9 | 005.6000 | 0397.4 | 085.4 | 50.74 |
| 006.0 | 001.4476 | 0087.1 | 019.0 | 149.5 | 005.6000 | 0399.3 | 085.1 | 50.90 |
| 007.0 | 001.4729 | 0089.7 | 019.4 | 149.1 | 005.6000 | 0400.5 | 085.0 | 50.98 |
| 008.0 | 001.4984 | 0089.8 | 019.5 | 148.9 | 005.6000 | 0401.1 | 085.1 | 50.95 |
| 009.0 | 001.5241 | 0093.4 | 020.0 | 148.5 | 005.6000 | 0402.3 | 084.9 | 51.04 |
| 010.0 | 001.5500 | 0100.3 | 020.8 | 148.0 | 005.6000 | 0403.7 | 084.5 | 51.23 |
| 011.0 | 001.5463 | 0107.2 | 021.5 | 147.5 | 005.6000 | 0405.2 | 084.3 | 51.36 |
| 012.0 | 001.5426 | 0112.0 | 021.9 | 147.1 | 005.6000 | 0406.2 | 084.2 | 51.41 |
| 013.0 | 001.5389 | 0116.9 | 022.3 | 146.7 | 005.6000 | 0407.0 | 084.2 | 51.45 |
| 014.0 | 001.5352 | 0122.9 | 022.8 | 146.3 | 005.6000 | 0408.1 | 084.2 | 51.49 |
| 015.0 | 001.5315 | 0128.1 | 023.2 | 145.9 | 005.6000 | 0409.2 | 084.2 | 51.51 |
| 016.0 | 001.5278 | 0132.0 | 023.5 | 145.6 | 005.6000 | 0410.2 | 084.3 | 51.50 |
| 017.0 | 001.5241 | 0135.4 | 023.7 | 145.3 | 005.6000 | 0411.1 | 084.5 | 51.48 |
| 018.0 | 001.5204 | 0139.2 | 024.0 | 144.9 | 005.6000 | 0412.2 | 084.7 | 51.46 |
| 019.0 | 001.5167 | 0142.8 | 024.3 | 144.6 | 005.6000 | 0413.2 | 084.8 | 51.43 |
| 020.0 | 001.5130 | 0147.4 | 024.6 | 144.3 | 005.6000 | 0414.3 | 085.0 | 51.41 |
| 021.0 | 001.5179 | 0155.4 | 025.2 | 143.8 | 005.6000 | 0415.9 | 085.0 | 51.45 |
| 022.0 | 001.5228 | 0165.0 | 025.9 | 143.2 | 005.6000 | 0417.9 | 085.0 | 51.52 |
| 023.0 | 001.5278 | 0174.0 | 026.6 | 142.7 | 005.6000 | 0420.2 | 085.1 | 51.57 |
| 024.0 | 001.5327 | 0181.7 | 027.1 | 142.2 | 005.6000 | 0422.5 | 085.2 | 51.59 |
| 025.0 | 001.5376 | 0187.7 | 027.5 | 141.8 | 005.6000 | 0425.2 | 085.5 | 51.60 |
| 026.0 | 001.5426 | 0192.3 | 027.8 | 141.5 | 005.6000 | 0427.5 | 085.8 | 51.58 |
| 027.0 | 001.5475 | 0195.6 | 028.1 | 141.2 | 005.6000 | 0429.7 | 086.1 | 51.54 |
| 028.0 | 001.5525 | 0196.8 | 028.1 | 141.0 | 005.6000 | 0431.3 | 086.5 | 51.45 |
| 029.0 | 001.5574 | 0195.9 | 028.1 | 140.9 | 005.6000 | 0432.1 | 087.0 | 51.32 |
| 030.0 | 001.5624 | 0194.9 | 028.1 | 140.8 | 005.6000 | 0432.8 | 087.4 | 51.19 |
| 031.0 | 001.5887 | 0193.5 | 028.1 | 140.7 | 005.6000 | 0433.8 | 087.9 | 51.07 |
| 032.0 | 001.6152 | 0189.9 | 027.9 | 140.7 | 005.6000 | 0434.0 | 088.4 | 50.91 |
| 033.0 | 001.6418 | 0184.2 | 027.7 | 140.8 | 005.6000 | 0433.4 | 089.0 | 50.72 |
| 034.0 | 001.6688 | 0177.7 | 027.3 | 140.9 | 005.6000 | 0432.6 | 089.5 | 50.51 |
| 035.0 | 001.6959 | 0173.3 | 027.1 | 140.9 | 005.6000 | 0432.2 | 090.0 | 50.33 |

WRVT vs WNUB-FM
Vermont Public Co.

FMCommander Single Allocation Study - 06-17-2023 - GLOBE 30 Sec
WRVT's Overlaps (In= 11.12 km, Out= 52.78 km)

WRVT CH 204 C2

Lat= 43 39 31.50, Lng= 73 06 23.60

5.6 kW 407.8 m HAAT, 663 m COR

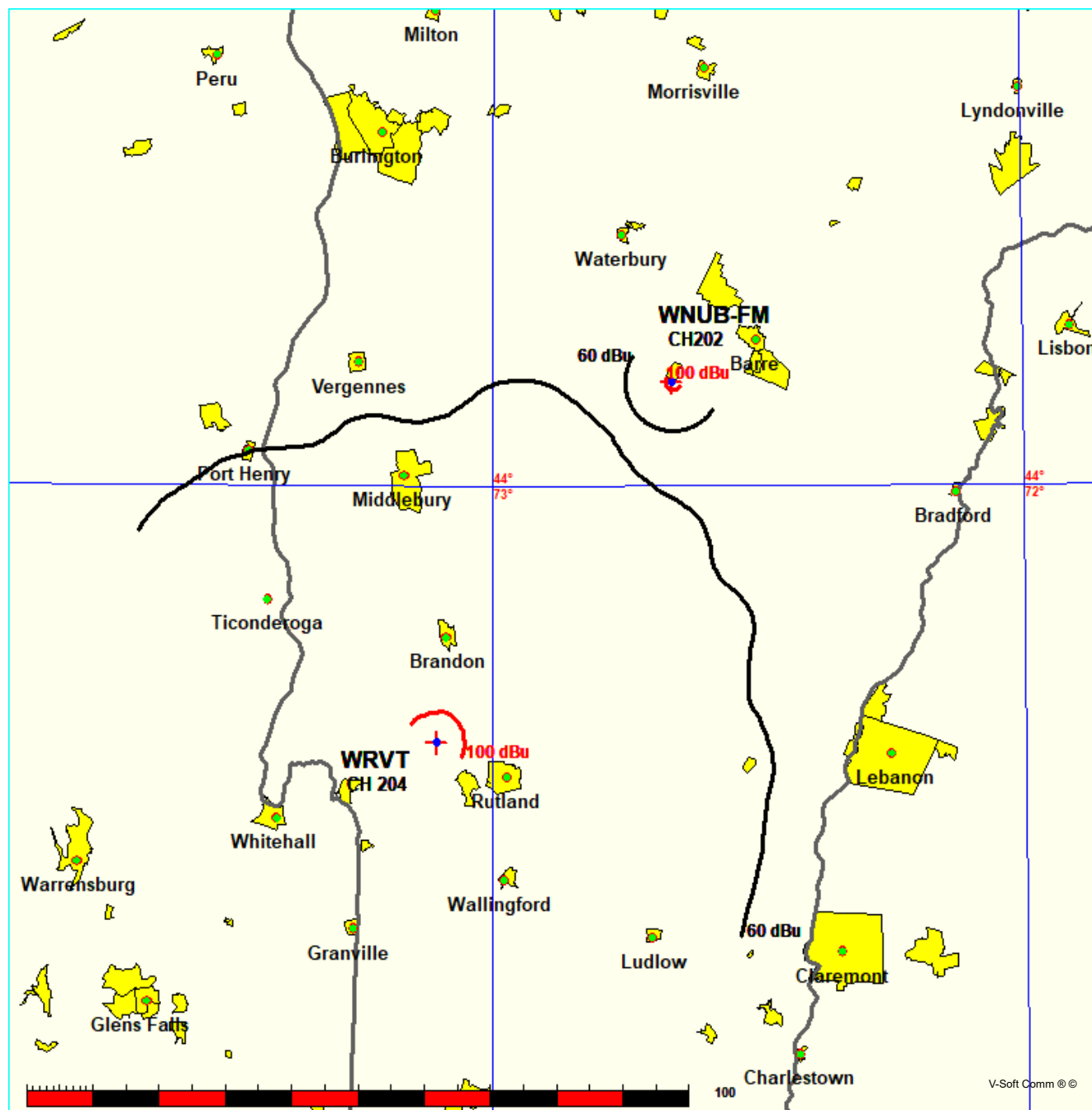
Prot.= 60 dBu, Intef.= 100 dBu

WNUB-FM CH 202 A BLED20190205AAG

Lat= 44 08 24.20, Lng= 72 39 34.30

0.27 kW -113 m HAAT, 290 m COR

Prot.= 60 dBu, Intef.= 100 dBu



06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WRVT

WNUB-FM BLED20190205AAG

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Protected

60 dBu

Channel = 202A

Max ERP = 0.27 kW

RCAMSL = 290 m

N. Lat. 44 08 24.20

W. Lng. 72 39 34.30

Interfering

100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 334.0 | 005.6000 | 0364.0 | 048.8 | 260.6 | 000.2700 | -0175.1 | 057.9 | 28.56 | |
| 335.0 | 005.6000 | 0358.6 | 048.5 | 260.5 | 000.2700 | -0175.3 | 057.0 | 28.75 | |
| 336.0 | 005.6000 | 0353.7 | 048.2 | 260.5 | 000.2700 | -0175.4 | 056.1 | 28.94 | |
| 337.0 | 005.6000 | 0350.6 | 048.0 | 260.5 | 000.2700 | -0175.3 | 055.2 | 29.12 | |
| 338.0 | 005.6000 | 0349.8 | 047.9 | 260.6 | 000.2700 | -0175.1 | 054.4 | 29.30 | |
| 339.0 | 005.6000 | 0351.1 | 048.0 | 260.9 | 000.2700 | -0174.8 | 053.6 | 29.47 | |
| 340.0 | 005.6000 | 0353.9 | 048.2 | 261.2 | 000.2700 | -0174.3 | 052.8 | 29.65 | |
| 341.0 | 005.6000 | 0357.3 | 048.4 | 261.6 | 000.2700 | -0173.5 | 052.0 | 29.82 | |
| 342.0 | 005.6000 | 0362.0 | 048.7 | 262.1 | 000.2700 | -0172.1 | 051.2 | 29.99 | |
| 343.0 | 005.6000 | 0368.8 | 049.1 | 262.7 | 000.2700 | -0170.7 | 050.5 | 30.16 | |
| 344.0 | 005.6000 | 0375.5 | 049.5 | 263.3 | 000.2700 | -0169.7 | 049.7 | 30.33 | |
| 345.0 | 005.6000 | 0379.5 | 049.7 | 263.7 | 000.2700 | -0169.3 | 048.8 | 30.50 | |
| 346.0 | 005.6000 | 0379.4 | 049.7 | 263.8 | 000.2700 | -0169.2 | 048.0 | 30.69 | |
| 347.0 | 005.6000 | 0378.2 | 049.6 | 263.9 | 000.2700 | -0169.1 | 047.1 | 30.89 | |
| 348.0 | 005.6000 | 0377.6 | 049.6 | 263.9 | 000.2700 | -0169.1 | 046.3 | 31.09 | |
| 349.0 | 005.6000 | 0376.3 | 049.5 | 264.0 | 000.2700 | -0169.1 | 045.4 | 31.31 | |
| 350.0 | 005.6000 | 0373.4 | 049.3 | 263.8 | 000.2700 | -0169.2 | 044.5 | 31.53 | |
| 351.0 | 005.6000 | 0368.4 | 049.0 | 263.5 | 000.2700 | -0169.5 | 043.6 | 31.77 | |
| 352.0 | 005.6000 | 0362.6 | 048.7 | 263.1 | 000.2700 | -0170.0 | 042.8 | 32.01 | |
| 353.0 | 005.6000 | 0356.7 | 048.4 | 262.6 | 000.2700 | -0170.9 | 041.9 | 32.25 | |
| 354.0 | 005.6000 | 0352.0 | 048.1 | 262.2 | 000.2700 | -0171.8 | 041.1 | 32.50 | |
| 355.0 | 005.6000 | 0348.1 | 047.8 | 261.8 | 000.2700 | -0173.0 | 040.3 | 32.76 | |
| 356.0 | 005.6000 | 0344.9 | 047.6 | 261.4 | 000.2700 | -0174.0 | 039.5 | 33.02 | |
| 357.0 | 005.6000 | 0344.3 | 047.6 | 261.3 | 000.2700 | -0174.3 | 038.6 | 33.28 | |
| 358.0 | 005.6000 | 0346.5 | 047.7 | 261.3 | 000.2700 | -0174.2 | 037.8 | 33.56 | |
| 359.0 | 005.6000 | 0349.9 | 047.9 | 261.5 | 000.2700 | -0173.9 | 036.9 | 33.86 | |
| 000.0 | 005.6000 | 0353.1 | 048.1 | 261.6 | 000.2700 | -0173.6 | 036.1 | 34.16 | |
| 001.0 | 005.6000 | 0356.2 | 048.3 | 261.7 | 000.2700 | -0173.4 | 035.2 | 34.47 | |
| 002.0 | 005.6000 | 0361.8 | 048.7 | 262.0 | 000.2700 | -0172.5 | 034.3 | 34.79 | |
| 003.0 | 005.6000 | 0373.2 | 049.3 | 262.8 | 000.2700 | -0170.5 | 033.4 | 35.15 | |
| 004.0 | 005.6000 | 0386.0 | 050.0 | 263.7 | 000.2700 | -0169.2 | 032.4 | 35.53 | |
| 005.0 | 005.6000 | 0399.0 | 050.7 | 264.7 | 000.2700 | -0168.5 | 031.4 | 35.93 | |
| 006.0 | 005.6000 | 0413.0 | 051.5 | 265.8 | 000.2700 | -0167.4 | 030.4 | 36.38 | |
| 007.0 | 005.6000 | 0428.6 | 052.3 | 267.1 | 000.2700 | -0163.7 | 029.3 | 36.89 | |
| 008.0 | 005.6000 | 0443.5 | 053.2 | 268.3 | 000.2700 | -0159.5 | 028.3 | 37.46 | |
| 009.0 | 005.6000 | 0455.2 | 053.8 | 269.3 | 000.2700 | -0159.2 | 027.3 | 38.05 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 010.0 | 005.6000 | 0463.8 | 054.3 | 270.0 | 000.2700 | -0162.3 | 026.2 | 38.67 |
| 011.0 | 005.6000 | 0470.2 | 054.6 | 270.4 | 000.2700 | -0164.2 | 025.2 | 39.32 |
| 012.0 | 005.6000 | 0475.3 | 054.9 | 270.6 | 000.2700 | -0165.3 | 024.2 | 39.99 |
| 013.0 | 005.6000 | 0479.8 | 055.2 | 270.8 | 000.2700 | -0165.9 | 023.2 | 40.70 |
| 014.0 | 005.6000 | 0483.2 | 055.4 | 270.7 | 000.2700 | -0165.7 | 022.3 | 41.42 |
| 015.0 | 005.6000 | 0485.9 | 055.6 | 270.5 | 000.2700 | -0164.6 | 021.3 | 42.16 |
| 016.0 | 005.6000 | 0487.8 | 055.7 | 270.1 | 000.2700 | -0162.6 | 020.3 | 42.91 |
| 017.0 | 005.6000 | 0488.7 | 055.7 | 269.4 | 000.2700 | -0159.5 | 019.4 | 43.67 |
| 018.0 | 005.6000 | 0488.4 | 055.7 | 268.4 | 000.2700 | -0159.4 | 018.5 | 44.41 |
| 019.0 | 005.6000 | 0485.4 | 055.5 | 266.7 | 000.2700 | -0164.7 | 017.6 | 45.10 |
| 020.0 | 005.6000 | 0480.8 | 055.3 | 264.6 | 000.2700 | -0168.6 | 016.8 | 45.75 |
| 021.0 | 005.6000 | 0477.1 | 055.0 | 262.4 | 000.2700 | -0171.4 | 016.1 | 46.39 |
| 022.0 | 005.6000 | 0473.8 | 054.9 | 260.0 | 000.2700 | -0176.1 | 015.4 | 47.01 |
| 023.0 | 005.6000 | 0469.8 | 054.6 | 257.2 | 000.2700 | -0183.8 | 014.7 | 47.66 |
| 024.0 | 005.6000 | 0464.2 | 054.3 | 253.9 | 000.2700 | -0184.3 | 014.2 | 48.32 |
| 025.0 | 005.6000 | 0458.6 | 054.0 | 250.3 | 000.2700 | -0189.6 | 013.7 | 48.93 |
| 026.0 | 005.6000 | 0453.8 | 053.7 | 246.6 | 000.2700 | -0182.9 | 013.2 | 49.52 |
| 027.0 | 005.6000 | 0448.9 | 053.4 | 242.6 | 000.2700 | -0204.5 | 012.9 | 50.02 |
| 028.0 | 005.6000 | 0444.7 | 053.2 | 238.5 | 000.2700 | -0226.4 | 012.6 | 50.46 |
| 029.0 | 005.6000 | 0441.1 | 053.0 | 234.3 | 000.2700 | -0214.4 | 012.3 | 50.83 |
| 030.0 | 005.6000 | 0435.1 | 052.7 | 229.8 | 000.2700 | -0213.4 | 012.3 | 50.90 |
| 031.0 | 005.6000 | 0425.9 | 052.2 | 225.0 | 000.2700 | -0195.6 | 012.5 | 50.58 |
| 032.0 | 005.6000 | 0416.7 | 051.7 | 220.6 | 000.2700 | -0160.1 | 012.8 | 50.12 |
| 033.0 | 005.6000 | 0408.9 | 051.3 | 216.4 | 000.2700 | -0157.5 | 013.1 | 49.65 |
| 034.0 | 005.6000 | 0402.9 | 050.9 | 212.6 | 000.2700 | -0137.3 | 013.5 | 49.23 |
| 035.0 | 005.6000 | 0398.7 | 050.7 | 208.9 | 000.2700 | -0137.8 | 013.7 | 48.84 |
| 036.0 | 005.6000 | 0393.8 | 050.4 | 205.5 | 000.2700 | -0169.7 | 014.1 | 48.34 |
| 037.0 | 005.6000 | 0388.7 | 050.2 | 202.3 | 000.2700 | -0186.8 | 014.6 | 47.78 |
| 038.0 | 005.6000 | 0386.8 | 050.1 | 199.2 | 000.2700 | -0191.8 | 015.0 | 47.37 |
| 039.0 | 005.6000 | 0388.9 | 050.2 | 195.9 | 000.2700 | -0193.2 | 015.2 | 47.18 |
| 040.0 | 005.6000 | 0390.6 | 050.3 | 192.8 | 000.2700 | -0158.1 | 015.5 | 46.93 |
| 041.0 | 005.6000 | 0390.8 | 050.3 | 190.0 | 000.2700 | -0168.8 | 015.9 | 46.57 |
| 042.0 | 005.6000 | 0391.7 | 050.3 | 187.3 | 000.2700 | -0185.1 | 016.3 | 46.19 |
| 043.0 | 005.6000 | 0394.7 | 050.5 | 184.5 | 000.2700 | -0178.3 | 016.7 | 45.86 |
| 044.0 | 005.6000 | 0398.9 | 050.7 | 181.8 | 000.2700 | -0162.3 | 017.1 | 45.52 |
| 045.0 | 005.6000 | 0403.3 | 051.0 | 179.1 | 000.2700 | -0151.2 | 017.6 | 45.14 |
| 046.0 | 005.6000 | 0408.7 | 051.3 | 176.5 | 000.2700 | -0153.8 | 018.0 | 44.75 |
| 047.0 | 005.6000 | 0414.3 | 051.6 | 174.0 | 000.2700 | -0155.7 | 018.6 | 44.33 |
| 048.0 | 005.6000 | 0418.2 | 051.8 | 171.9 | 000.2700 | -0155.4 | 019.2 | 43.83 |
| 049.0 | 005.6000 | 0419.6 | 051.8 | 170.3 | 000.2700 | -0148.9 | 019.9 | 43.25 |
| 050.0 | 005.6000 | 0418.3 | 051.8 | 169.2 | 000.2700 | -0145.2 | 020.7 | 42.60 |
| 051.0 | 005.6000 | 0415.8 | 051.6 | 168.4 | 000.2700 | -0145.2 | 021.6 | 41.94 |
| 052.0 | 005.6000 | 0412.2 | 051.4 | 167.8 | 000.2700 | -0146.1 | 022.5 | 41.27 |
| 053.0 | 005.6000 | 0407.6 | 051.2 | 167.4 | 000.2700 | -0146.4 | 023.4 | 40.60 |
| 054.0 | 005.6000 | 0402.1 | 050.9 | 167.2 | 000.2700 | -0146.5 | 024.3 | 39.94 |
| 055.0 | 005.6000 | 0395.1 | 050.5 | 167.3 | 000.2700 | -0146.5 | 025.3 | 39.29 |
| 056.0 | 005.6000 | 0387.2 | 050.1 | 167.4 | 000.2700 | -0146.4 | 026.3 | 38.66 |
| 057.0 | 005.6000 | 0380.2 | 049.7 | 167.5 | 000.2700 | -0146.3 | 027.2 | 38.08 |
| 058.0 | 005.6000 | 0375.7 | 049.5 | 167.4 | 000.2700 | -0146.4 | 028.1 | 37.56 |
| 059.0 | 005.6000 | 0374.1 | 049.4 | 167.0 | 000.2700 | -0146.4 | 029.0 | 37.09 |
| 060.0 | 005.6000 | 0374.9 | 049.4 | 166.5 | 000.2700 | -0145.7 | 029.8 | 36.68 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 061.0 | 005.6000 | 0377.6 | 049.6 | 165.7 | 000.2700 | -0143.3 | 030.6 | 36.30 |
| 062.0 | 005.6000 | 0383.1 | 049.9 | 164.8 | 000.2700 | -0140.4 | 031.3 | 35.95 |
| 063.0 | 005.6000 | 0390.1 | 050.2 | 163.8 | 000.2700 | -0140.8 | 032.1 | 35.63 |
| 064.0 | 005.6000 | 0397.2 | 050.6 | 162.9 | 000.2700 | -0143.2 | 032.9 | 35.32 |
| 065.0 | 005.6000 | 0402.5 | 050.9 | 162.2 | 000.2700 | -0144.4 | 033.8 | 35.01 |
| 066.0 | 005.6000 | 0406.0 | 051.1 | 161.7 | 000.2700 | -0144.8 | 034.6 | 34.69 |
| 067.0 | 005.6000 | 0408.0 | 051.2 | 161.5 | 000.2700 | -0144.8 | 035.5 | 34.37 |
| 068.0 | 005.6000 | 0408.9 | 051.3 | 161.3 | 000.2700 | -0144.9 | 036.4 | 34.05 |
| 069.0 | 005.6000 | 0408.5 | 051.2 | 161.3 | 000.2700 | -0144.9 | 037.3 | 33.74 |
| 070.0 | 005.6000 | 0405.0 | 051.1 | 161.5 | 000.2700 | -0144.8 | 038.2 | 33.43 |
| 071.0 | 005.6000 | 0398.0 | 050.7 | 162.0 | 000.2700 | -0144.6 | 039.1 | 33.14 |
| 072.0 | 005.6000 | 0389.9 | 050.2 | 162.7 | 000.2700 | -0143.7 | 040.0 | 32.86 |
| 073.0 | 005.6000 | 0380.9 | 049.7 | 163.4 | 000.2700 | -0142.1 | 040.8 | 32.58 |
| 074.0 | 005.6000 | 0374.1 | 049.4 | 163.9 | 000.2700 | -0140.7 | 041.7 | 32.32 |
| 075.0 | 005.6000 | 0367.4 | 049.0 | 164.4 | 000.2700 | -0140.1 | 042.6 | 32.07 |
| 076.0 | 005.6000 | 0361.9 | 048.7 | 164.9 | 000.2700 | -0140.5 | 043.4 | 31.83 |
| 077.0 | 005.6000 | 0357.4 | 048.4 | 165.3 | 000.2700 | -0141.5 | 044.2 | 31.61 |
| 078.0 | 005.6000 | 0353.8 | 048.2 | 165.6 | 000.2700 | -0142.7 | 045.1 | 31.39 |
| 079.0 | 005.6000 | 0351.2 | 048.0 | 165.8 | 000.2700 | -0143.7 | 045.9 | 31.18 |
| 080.0 | 005.6000 | 0349.3 | 047.9 | 166.1 | 000.2700 | -0144.5 | 046.7 | 30.98 |
| 081.0 | 005.6000 | 0346.5 | 047.7 | 166.3 | 000.2700 | -0145.4 | 047.5 | 30.79 |
| 082.0 | 005.6000 | 0346.8 | 047.7 | 166.4 | 000.2700 | -0145.6 | 048.4 | 30.61 |
| 083.0 | 005.6000 | 0348.8 | 047.9 | 166.4 | 000.2700 | -0145.5 | 049.2 | 30.42 |
| 084.0 | 005.6000 | 0354.1 | 048.2 | 166.1 | 000.2700 | -0144.8 | 050.1 | 30.23 |
| 085.0 | 005.6000 | 0361.2 | 048.6 | 165.8 | 000.2700 | -0143.5 | 051.0 | 30.04 |
| 086.0 | 005.6000 | 0366.7 | 048.9 | 165.6 | 000.2700 | -0142.8 | 051.9 | 29.84 |
| 087.0 | 005.6000 | 0372.2 | 049.3 | 165.5 | 000.2700 | -0142.2 | 052.8 | 29.65 |
| 088.0 | 005.6000 | 0377.6 | 049.6 | 165.3 | 000.2700 | -0141.8 | 053.7 | 29.45 |
| 089.0 | 005.6000 | 0383.0 | 049.9 | 165.3 | 000.2700 | -0141.5 | 054.6 | 29.26 |
| 090.0 | 005.6000 | 0388.9 | 050.2 | 165.2 | 000.2700 | -0141.2 | 055.5 | 29.06 |
| 091.0 | 005.6000 | 0394.9 | 050.5 | 165.1 | 000.2700 | -0140.9 | 056.5 | 28.86 |
| 092.0 | 005.6000 | 0400.6 | 050.8 | 165.0 | 000.2700 | -0140.8 | 057.4 | 28.66 |
| 093.0 | 005.6000 | 0403.7 | 051.0 | 165.2 | 000.2700 | -0141.2 | 058.3 | 28.47 |

06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WNUB-FM BLED20190205AAG

WRVT

Channel = 202A

Max ERP = 0.27 kW

RCAMSL = 290 m

N. Lat. 44 08 24.20

W. Lng. 72 39 34.30

Protected

60 dBu

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Interfering

100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 154.0 | 000.2700 | -0122.6 | 007.2 | 039.5 | 005.6000 | 0390.0 | 061.1 | 58.90 | |
| 155.0 | 000.2700 | -0129.2 | 007.2 | 039.5 | 005.6000 | 0389.9 | 061.0 | 58.94 | |
| 156.0 | 000.2700 | -0138.3 | 007.2 | 039.4 | 005.6000 | 0389.8 | 060.9 | 58.98 | |
| 157.0 | 000.2700 | -0144.2 | 007.2 | 039.4 | 005.6000 | 0389.7 | 060.7 | 59.02 | |
| 158.0 | 000.2700 | -0146.1 | 007.2 | 039.3 | 005.6000 | 0389.6 | 060.6 | 59.05 | |
| 159.0 | 000.2700 | -0145.4 | 007.2 | 039.2 | 005.6000 | 0389.4 | 060.5 | 59.09 | |
| 160.0 | 000.2700 | -0144.7 | 007.2 | 039.2 | 005.6000 | 0389.3 | 060.4 | 59.13 | |
| 161.0 | 000.2700 | -0144.8 | 007.2 | 039.1 | 005.6000 | 0389.2 | 060.3 | 59.16 | |
| 162.0 | 000.2700 | -0144.6 | 007.2 | 039.1 | 005.6000 | 0389.0 | 060.2 | 59.20 | |
| 163.0 | 000.2700 | -0143.0 | 007.2 | 039.0 | 005.6000 | 0388.9 | 060.1 | 59.24 | |
| 164.0 | 000.2700 | -0140.4 | 007.2 | 038.9 | 005.6000 | 0388.7 | 060.0 | 59.27 | |
| 165.0 | 000.2700 | -0140.7 | 007.2 | 038.9 | 005.6000 | 0388.6 | 059.9 | 59.30 | |
| 166.0 | 000.2700 | -0144.3 | 007.2 | 038.8 | 005.6000 | 0388.4 | 059.8 | 59.34 | |
| 167.0 | 000.2700 | -0146.4 | 007.2 | 038.7 | 005.6000 | 0388.2 | 059.7 | 59.37 | |
| 168.0 | 000.2700 | -0145.8 | 007.2 | 038.6 | 005.6000 | 0388.0 | 059.6 | 59.40 | |
| 169.0 | 000.2700 | -0144.9 | 007.2 | 038.6 | 005.6000 | 0387.9 | 059.5 | 59.43 | |
| 170.0 | 000.2700 | -0147.7 | 007.2 | 038.5 | 005.6000 | 0387.7 | 059.4 | 59.46 | |
| 171.0 | 000.2700 | -0152.4 | 007.2 | 038.4 | 005.6000 | 0387.5 | 059.3 | 59.49 | |
| 172.0 | 000.2700 | -0155.4 | 007.2 | 038.3 | 005.6000 | 0387.4 | 059.2 | 59.52 | |
| 173.0 | 000.2700 | -0155.2 | 007.2 | 038.2 | 005.6000 | 0387.2 | 059.1 | 59.55 | |
| 174.0 | 000.2700 | -0155.7 | 007.2 | 038.1 | 005.6000 | 0387.0 | 059.0 | 59.58 | |
| 175.0 | 000.2700 | -0154.6 | 007.2 | 038.1 | 005.6000 | 0386.9 | 058.9 | 59.61 | |
| 176.0 | 000.2700 | -0154.6 | 007.2 | 038.0 | 005.6000 | 0386.8 | 058.9 | 59.64 | |
| 177.0 | 000.2700 | -0152.9 | 007.2 | 037.9 | 005.6000 | 0386.9 | 058.8 | 59.67 | |
| 178.0 | 000.2700 | -0151.1 | 007.2 | 037.8 | 005.6000 | 0387.0 | 058.7 | 59.71 | |
| 179.0 | 000.2700 | -0151.1 | 007.2 | 037.7 | 005.6000 | 0387.0 | 058.6 | 59.74 | |
| 180.0 | 000.2700 | -0152.6 | 007.2 | 037.6 | 005.6000 | 0387.1 | 058.5 | 59.77 | |
| 181.0 | 000.2700 | -0154.6 | 007.2 | 037.5 | 005.6000 | 0387.3 | 058.5 | 59.80 | |
| 182.0 | 000.2700 | -0164.4 | 007.2 | 037.4 | 005.6000 | 0387.5 | 058.4 | 59.84 | |
| 183.0 | 000.2700 | -0170.7 | 007.2 | 037.3 | 005.6000 | 0387.7 | 058.3 | 59.87 | |
| 184.0 | 000.2700 | -0175.3 | 007.2 | 037.2 | 005.6000 | 0388.0 | 058.2 | 59.90 | |
| 185.0 | 000.2700 | -0180.9 | 007.2 | 037.1 | 005.6000 | 0388.4 | 058.2 | 59.94 | |
| 186.0 | 000.2700 | -0182.9 | 007.2 | 037.0 | 005.6000 | 0388.7 | 058.1 | 59.97 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 187.0 | 000.2700 | -0184.9 | 007.2 | 036.9 | 005.6000 | 0389.1 | 058.0 | 60.01 |
| 188.0 | 000.2700 | -0183.6 | 007.2 | 036.8 | 005.6000 | 0389.5 | 058.0 | 60.04 |
| 189.0 | 000.2700 | -0176.9 | 007.2 | 036.7 | 005.6000 | 0390.1 | 057.9 | 60.08 |
| 190.0 | 000.2700 | -0168.9 | 007.2 | 036.5 | 005.6000 | 0390.7 | 057.9 | 60.12 |
| 191.0 | 000.2700 | -0164.0 | 007.2 | 036.4 | 005.6000 | 0391.5 | 057.8 | 60.16 |
| 192.0 | 000.2700 | -0159.2 | 007.2 | 036.3 | 005.6000 | 0392.2 | 057.7 | 60.20 |
| 193.0 | 000.2700 | -0158.5 | 007.2 | 036.2 | 005.6000 | 0392.8 | 057.7 | 60.23 |
| 194.0 | 000.2700 | -0168.1 | 007.2 | 036.1 | 005.6000 | 0393.4 | 057.6 | 60.26 |
| 195.0 | 000.2700 | -0183.0 | 007.2 | 036.0 | 005.6000 | 0394.0 | 057.6 | 60.30 |
| 196.0 | 000.2700 | -0193.5 | 007.2 | 035.9 | 005.6000 | 0394.6 | 057.6 | 60.33 |
| 197.0 | 000.2700 | -0195.3 | 007.2 | 035.7 | 005.6000 | 0395.2 | 057.5 | 60.36 |
| 198.0 | 000.2700 | -0194.5 | 007.2 | 035.6 | 005.6000 | 0395.9 | 057.5 | 60.39 |
| 199.0 | 000.2700 | -0192.2 | 007.2 | 035.5 | 005.6000 | 0396.5 | 057.4 | 60.42 |
| 200.0 | 000.2700 | -0190.2 | 007.2 | 035.4 | 005.6000 | 0397.0 | 057.4 | 60.45 |
| 201.0 | 000.2700 | -0189.7 | 007.2 | 035.3 | 005.6000 | 0397.5 | 057.4 | 60.48 |
| 202.0 | 000.2700 | -0188.2 | 007.2 | 035.1 | 005.6000 | 0398.1 | 057.3 | 60.50 |
| 203.0 | 000.2700 | -0182.5 | 007.2 | 035.0 | 005.6000 | 0398.6 | 057.3 | 60.53 |
| 204.0 | 000.2700 | -0175.0 | 007.2 | 034.9 | 005.6000 | 0399.1 | 057.3 | 60.55 |
| 205.0 | 000.2700 | -0170.7 | 007.2 | 034.8 | 005.6000 | 0399.6 | 057.3 | 60.57 |
| 206.0 | 000.2700 | -0168.5 | 007.2 | 034.6 | 005.6000 | 0400.1 | 057.2 | 60.59 |
| 207.0 | 000.2700 | -0162.1 | 007.2 | 034.5 | 005.6000 | 0400.6 | 057.2 | 60.61 |
| 208.0 | 000.2700 | -0149.8 | 007.2 | 034.4 | 005.6000 | 0401.2 | 057.2 | 60.63 |
| 209.0 | 000.2700 | -0136.8 | 007.2 | 034.3 | 005.6000 | 0401.8 | 057.2 | 60.65 |
| 210.0 | 000.2700 | -0127.9 | 007.2 | 034.1 | 005.6000 | 0402.4 | 057.2 | 60.67 |
| 211.0 | 000.2700 | -0126.5 | 007.2 | 034.0 | 005.6000 | 0402.9 | 057.2 | 60.69 |
| 212.0 | 000.2700 | -0132.4 | 007.2 | 033.9 | 005.6000 | 0403.4 | 057.2 | 60.70 |
| 213.0 | 000.2700 | -0140.9 | 007.2 | 033.8 | 005.6000 | 0404.0 | 057.2 | 60.72 |
| 214.0 | 000.2700 | -0148.5 | 007.2 | 033.6 | 005.6000 | 0404.7 | 057.2 | 60.74 |
| 215.0 | 000.2700 | -0153.2 | 007.2 | 033.5 | 005.6000 | 0405.5 | 057.2 | 60.76 |
| 216.0 | 000.2700 | -0156.1 | 007.2 | 033.4 | 005.6000 | 0406.3 | 057.2 | 60.78 |
| 217.0 | 000.2700 | -0158.6 | 007.2 | 033.3 | 005.6000 | 0407.2 | 057.2 | 60.79 |
| 218.0 | 000.2700 | -0160.2 | 007.2 | 033.1 | 005.6000 | 0408.0 | 057.2 | 60.81 |
| 219.0 | 000.2700 | -0160.5 | 007.2 | 033.0 | 005.6000 | 0408.9 | 057.2 | 60.83 |
| 220.0 | 000.2700 | -0160.2 | 007.2 | 032.9 | 005.6000 | 0409.8 | 057.2 | 60.85 |
| 221.0 | 000.2700 | -0160.4 | 007.2 | 032.7 | 005.6000 | 0410.7 | 057.2 | 60.86 |
| 222.0 | 000.2700 | -0163.7 | 007.2 | 032.6 | 005.6000 | 0411.7 | 057.2 | 60.88 |
| 223.0 | 000.2700 | -0172.3 | 007.2 | 032.5 | 005.6000 | 0412.6 | 057.3 | 60.90 |
| 224.0 | 000.2700 | -0184.1 | 007.2 | 032.4 | 005.6000 | 0413.6 | 057.3 | 60.91 |
| 225.0 | 000.2700 | -0195.3 | 007.2 | 032.3 | 005.6000 | 0414.6 | 057.3 | 60.93 |
| 226.0 | 000.2700 | -0204.6 | 007.2 | 032.1 | 005.6000 | 0415.6 | 057.3 | 60.94 |
| 227.0 | 000.2700 | -0211.9 | 007.2 | 032.0 | 005.6000 | 0416.6 | 057.4 | 60.96 |
| 228.0 | 000.2700 | -0216.0 | 007.2 | 031.9 | 005.6000 | 0417.7 | 057.4 | 60.97 |
| 229.0 | 000.2700 | -0215.5 | 007.2 | 031.8 | 005.6000 | 0418.8 | 057.4 | 60.98 |
| 230.0 | 000.2700 | -0212.8 | 007.2 | 031.6 | 005.6000 | 0419.9 | 057.5 | 61.00 |
| 231.0 | 000.2700 | -0211.6 | 007.2 | 031.5 | 005.6000 | 0421.0 | 057.5 | 61.01 |
| 232.0 | 000.2700 | -0212.3 | 007.2 | 031.4 | 005.6000 | 0422.1 | 057.6 | 61.02 |
| 233.0 | 000.2700 | -0213.9 | 007.2 | 031.3 | 005.6000 | 0423.2 | 057.6 | 61.03 |
| 234.0 | 000.2700 | -0214.2 | 007.2 | 031.2 | 005.6000 | 0424.3 | 057.7 | 61.04 |
| 235.0 | 000.2700 | -0214.8 | 007.2 | 031.1 | 005.6000 | 0425.4 | 057.7 | 61.05 |
| 236.0 | 000.2700 | -0217.3 | 007.2 | 030.9 | 005.6000 | 0426.5 | 057.8 | 61.06 |
| 237.0 | 000.2700 | -0221.7 | 007.2 | 030.8 | 005.6000 | 0427.5 | 057.8 | 61.06 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 238.0 | 000.2700 | -0225.4 | 007.2 | 030.7 | 005.6000 | 0428.6 | 057.9 | 61.07 |
| 239.0 | 000.2700 | -0226.2 | 007.2 | 030.6 | 005.6000 | 0429.7 | 057.9 | 61.07 |
| 240.0 | 000.2700 | -0223.4 | 007.2 | 030.5 | 005.6000 | 0430.7 | 058.0 | 61.08 |
| 241.0 | 000.2700 | -0218.1 | 007.2 | 030.4 | 005.6000 | 0431.7 | 058.0 | 61.08 |
| 242.0 | 000.2700 | -0210.3 | 007.2 | 030.3 | 005.6000 | 0432.7 | 058.1 | 61.08 |
| 243.0 | 000.2700 | -0200.7 | 007.2 | 030.2 | 005.6000 | 0433.6 | 058.2 | 61.08 |
| 244.0 | 000.2700 | -0191.5 | 007.2 | 030.1 | 005.6000 | 0434.5 | 058.2 | 61.07 |
| 245.0 | 000.2700 | -0184.8 | 007.2 | 030.0 | 005.6000 | 0435.3 | 058.3 | 61.07 |
| 246.0 | 000.2700 | -0182.6 | 007.2 | 029.9 | 005.6000 | 0436.0 | 058.4 | 61.06 |
| 247.0 | 000.2700 | -0183.4 | 007.2 | 029.8 | 005.6000 | 0436.7 | 058.5 | 61.05 |
| 248.0 | 000.2700 | -0185.2 | 007.2 | 029.7 | 005.6000 | 0437.4 | 058.5 | 61.04 |
| 249.0 | 000.2700 | -0187.1 | 007.2 | 029.6 | 005.6000 | 0438.1 | 058.6 | 61.03 |
| 250.0 | 000.2700 | -0189.0 | 007.2 | 029.5 | 005.6000 | 0438.7 | 058.7 | 61.01 |
| 251.0 | 000.2700 | -0190.3 | 007.2 | 029.4 | 005.6000 | 0439.2 | 058.8 | 60.99 |
| 252.0 | 000.2700 | -0189.1 | 007.2 | 029.3 | 005.6000 | 0439.6 | 058.9 | 60.97 |
| 253.0 | 000.2700 | -0187.0 | 007.2 | 029.2 | 005.6000 | 0440.1 | 059.0 | 60.95 |
| 254.0 | 000.2700 | -0184.0 | 007.2 | 029.1 | 005.6000 | 0440.5 | 059.0 | 60.93 |
| 255.0 | 000.2700 | -0182.6 | 007.2 | 029.0 | 005.6000 | 0440.9 | 059.1 | 60.91 |
| 256.0 | 000.2700 | -0183.4 | 007.2 | 028.9 | 005.6000 | 0441.3 | 059.2 | 60.89 |
| 257.0 | 000.2700 | -0184.0 | 007.2 | 028.9 | 005.6000 | 0441.7 | 059.3 | 60.86 |
| 258.0 | 000.2700 | -0181.8 | 007.2 | 028.8 | 005.6000 | 0442.0 | 059.4 | 60.83 |
| 259.0 | 000.2700 | -0178.4 | 007.2 | 028.7 | 005.6000 | 0442.2 | 059.5 | 60.81 |
| 260.0 | 000.2700 | -0176.1 | 007.2 | 028.6 | 005.6000 | 0442.5 | 059.6 | 60.78 |
| 261.0 | 000.2700 | -0174.6 | 007.2 | 028.6 | 005.6000 | 0442.8 | 059.7 | 60.75 |
| 262.0 | 000.2700 | -0172.4 | 007.2 | 028.5 | 005.6000 | 0443.0 | 059.8 | 60.72 |
| 263.0 | 000.2700 | -0170.1 | 007.2 | 028.4 | 005.6000 | 0443.3 | 059.9 | 60.69 |
| 264.0 | 000.2700 | -0169.0 | 007.2 | 028.3 | 005.6000 | 0443.5 | 060.0 | 60.66 |
| 265.0 | 000.2700 | -0168.2 | 007.2 | 028.3 | 005.6000 | 0443.8 | 060.1 | 60.62 |
| 266.0 | 000.2700 | -0166.8 | 007.2 | 028.2 | 005.6000 | 0444.0 | 060.2 | 60.59 |
| 267.0 | 000.2700 | -0163.9 | 007.2 | 028.1 | 005.6000 | 0444.2 | 060.3 | 60.56 |
| 268.0 | 000.2700 | -0160.4 | 007.2 | 028.1 | 005.6000 | 0444.4 | 060.4 | 60.52 |
| 269.0 | 000.2700 | -0157.8 | 007.2 | 028.0 | 005.6000 | 0444.6 | 060.5 | 60.49 |
| 270.0 | 000.2700 | -0162.4 | 007.2 | 028.0 | 005.6000 | 0444.8 | 060.6 | 60.46 |
| 271.0 | 000.2700 | -0167.1 | 007.2 | 027.9 | 005.6000 | 0445.1 | 060.8 | 60.42 |
| 272.0 | 000.2700 | -0171.8 | 007.2 | 027.9 | 005.6000 | 0445.3 | 060.9 | 60.39 |
| 273.0 | 000.2700 | -0173.6 | 007.2 | 027.8 | 005.6000 | 0445.5 | 061.0 | 60.35 |

WRVT vs WXLQ.C
Vermont Public Co.

FMCommander Single Allocation Study - 06-17-2023 - GLOBE 30 Sec
WRVT's Overlaps (In= 11.69 km, Out= 30.27 km)

WRVT CH 204 C2

Lat= 43 39 31.50, Lng= 73 06 23.60

5.6 kW 407.8 m HAAT, 663 m COR

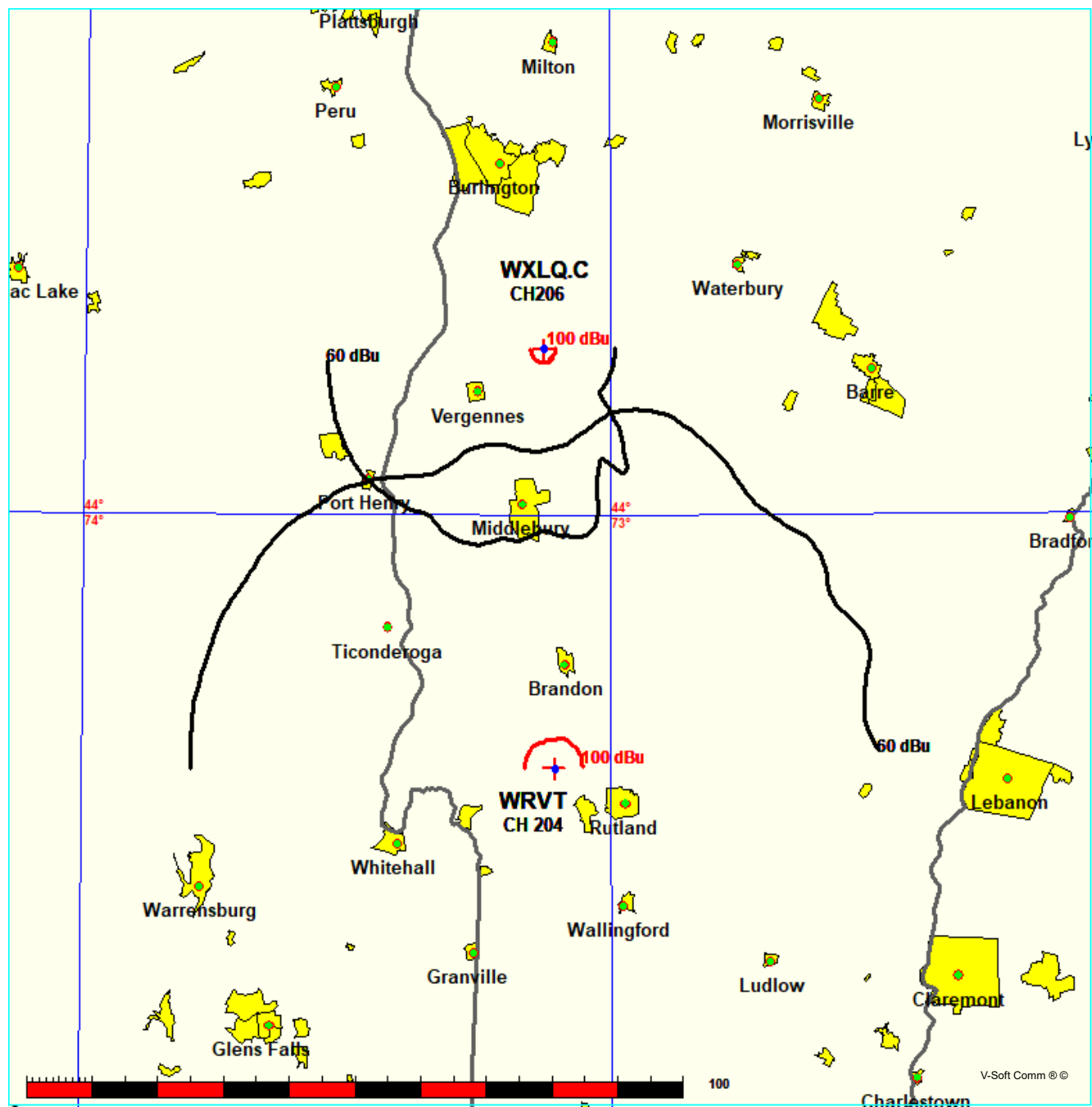
Prot.= 60 dBu, Intef.= 100 dBu

WXLQ-C CH 206 A 0000159204

Lat= 44 13 30.00, Lng= 73 07 28.50

1.2 kW 183 m HAAT, 388 m COR

Prot.= 60 dBu, Intef.= 100 dBu



06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WRVT

WXLQ 0000159204

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Protected

60 dBu

Channel = 206A

Max ERP = 1.2 kW

RCAMSL = 388 m

N. Lat. 44 13 30.00

W. Lng. 73 07 28.50

Interfering

100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 299.0 | 005.6000 | 0477.4 | 055.1 | 232.2 | 001.2000 | 0311.0 | 059.1 | 50.45 | |
| 300.0 | 005.6000 | 0475.3 | 054.9 | 232.4 | 001.2000 | 0311.6 | 058.2 | 50.82 | |
| 301.0 | 005.6000 | 0474.5 | 054.9 | 232.7 | 001.2000 | 0312.3 | 057.3 | 51.19 | |
| 302.0 | 005.6000 | 0474.0 | 054.9 | 233.1 | 001.2000 | 0313.0 | 056.4 | 51.57 | |
| 303.0 | 005.6000 | 0473.7 | 054.8 | 233.4 | 001.2000 | 0313.7 | 055.5 | 51.94 | |
| 304.0 | 005.6000 | 0474.4 | 054.9 | 233.8 | 001.2000 | 0314.5 | 054.6 | 52.31 | |
| 305.0 | 005.6000 | 0475.7 | 055.0 | 234.2 | 001.2000 | 0315.5 | 053.7 | 52.69 | |
| 306.0 | 005.6000 | 0476.2 | 055.0 | 234.6 | 001.2000 | 0316.3 | 052.8 | 53.06 | |
| 307.0 | 005.6000 | 0475.3 | 054.9 | 234.8 | 001.2000 | 0316.9 | 051.9 | 53.45 | |
| 308.0 | 005.6000 | 0473.7 | 054.9 | 235.1 | 001.2000 | 0317.4 | 051.0 | 53.83 | |
| 309.0 | 005.6000 | 0472.8 | 054.8 | 235.3 | 001.2000 | 0317.9 | 050.0 | 54.21 | |
| 310.0 | 005.6000 | 0472.2 | 054.8 | 235.6 | 001.2000 | 0318.5 | 049.1 | 54.59 | |
| 311.0 | 005.6000 | 0471.0 | 054.7 | 235.8 | 001.2000 | 0319.0 | 048.2 | 54.98 | |
| 312.0 | 005.6000 | 0468.6 | 054.6 | 235.9 | 001.2000 | 0319.2 | 047.2 | 55.36 | |
| 313.0 | 005.6000 | 0464.8 | 054.3 | 235.9 | 001.2000 | 0319.2 | 046.2 | 55.75 | |
| 314.0 | 005.6000 | 0460.3 | 054.1 | 235.9 | 001.2000 | 0319.1 | 045.3 | 56.15 | |
| 315.0 | 005.6000 | 0456.0 | 053.8 | 235.8 | 001.2000 | 0319.0 | 044.3 | 56.55 | |
| 316.0 | 005.6000 | 0452.3 | 053.6 | 235.8 | 001.2000 | 0318.9 | 043.3 | 56.95 | |
| 317.0 | 005.6000 | 0449.2 | 053.5 | 235.7 | 001.2000 | 0318.8 | 042.4 | 57.36 | |
| 318.0 | 005.6000 | 0446.7 | 053.3 | 235.7 | 001.2000 | 0318.8 | 041.4 | 57.77 | |
| 319.0 | 005.6000 | 0444.8 | 053.2 | 235.7 | 001.2000 | 0318.9 | 040.5 | 58.18 | |
| 320.0 | 005.6000 | 0443.8 | 053.2 | 235.8 | 001.2000 | 0319.0 | 039.6 | 58.60 | |
| 321.0 | 005.6000 | 0443.0 | 053.1 | 235.9 | 001.2000 | 0319.1 | 038.6 | 59.03 | |
| 322.0 | 005.6000 | 0440.5 | 053.0 | 235.8 | 001.2000 | 0318.9 | 037.7 | 59.45 | |
| 323.0 | 005.6000 | 0435.6 | 052.7 | 235.4 | 001.2000 | 0318.2 | 036.8 | 59.86 | |
| 324.0 | 005.6000 | 0429.4 | 052.4 | 235.0 | 001.2000 | 0317.2 | 035.8 | 60.27 | |
| 325.0 | 005.6000 | 0423.0 | 052.0 | 234.4 | 001.2000 | 0315.9 | 034.9 | 60.67 | |
| 326.0 | 005.6000 | 0417.2 | 051.7 | 233.8 | 001.2000 | 0314.6 | 034.0 | 61.06 | |
| 327.0 | 005.6000 | 0412.1 | 051.4 | 233.3 | 001.2000 | 0313.4 | 033.2 | 61.46 | |
| 328.0 | 005.6000 | 0406.3 | 051.1 | 232.6 | 001.2000 | 0312.0 | 032.3 | 61.85 | |
| 329.0 | 005.6000 | 0398.6 | 050.7 | 231.7 | 001.2000 | 0309.8 | 031.4 | 62.21 | |
| 330.0 | 005.6000 | 0390.7 | 050.3 | 230.7 | 001.2000 | 0307.5 | 030.6 | 62.58 | |
| 331.0 | 005.6000 | 0383.6 | 049.9 | 229.7 | 001.2000 | 0305.2 | 029.8 | 62.96 | |
| 332.0 | 005.6000 | 0377.1 | 049.5 | 228.6 | 001.2000 | 0302.7 | 029.1 | 63.35 | |
| 333.0 | 005.6000 | 0370.2 | 049.2 | 227.4 | 001.2000 | 0299.9 | 028.3 | 63.72 | |
| 334.0 | 005.6000 | 0364.0 | 048.8 | 226.2 | 001.2000 | 0297.0 | 027.6 | 64.09 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 335.0 | 005.6000 | 0358.6 | 048.5 | 225.0 | 001.2000 | 0294.0 | 026.9 | 64.46 |
| 336.0 | 005.6000 | 0353.7 | 048.2 | 223.8 | 001.2000 | 0290.9 | 026.2 | 64.83 |
| 337.0 | 005.6000 | 0350.6 | 048.0 | 222.6 | 001.2000 | 0287.8 | 025.5 | 65.22 |
| 338.0 | 005.6000 | 0349.8 | 047.9 | 221.7 | 001.2000 | 0285.3 | 024.8 | 65.66 |
| 339.0 | 005.6000 | 0351.1 | 048.0 | 221.0 | 001.2000 | 0283.3 | 024.0 | 66.17 |
| 340.0 | 005.6000 | 0353.9 | 048.2 | 220.4 | 001.2000 | 0281.6 | 023.2 | 66.73 |
| 341.0 | 005.6000 | 0357.3 | 048.4 | 219.8 | 001.2000 | 0279.9 | 022.4 | 67.31 |
| 342.0 | 005.6000 | 0362.0 | 048.7 | 219.2 | 001.2000 | 0278.2 | 021.5 | 67.93 |
| 343.0 | 005.6000 | 0368.8 | 049.1 | 218.8 | 001.2000 | 0276.9 | 020.6 | 68.62 |
| 344.0 | 005.6000 | 0375.5 | 049.5 | 218.3 | 001.2000 | 0274.8 | 019.7 | 69.30 |
| 345.0 | 005.6000 | 0379.5 | 049.7 | 217.3 | 001.2000 | 0269.7 | 018.8 | 69.82 |
| 346.0 | 005.6000 | 0379.4 | 049.7 | 215.6 | 001.2000 | 0263.9 | 018.2 | 70.19 |
| 347.0 | 005.6000 | 0378.2 | 049.6 | 213.6 | 001.2000 | 0267.8 | 017.6 | 70.81 |
| 348.0 | 005.6000 | 0377.6 | 049.6 | 211.5 | 001.2000 | 0274.1 | 017.0 | 71.49 |
| 349.0 | 005.6000 | 0376.3 | 049.5 | 209.1 | 001.2000 | 0281.2 | 016.5 | 72.14 |
| 350.0 | 005.6000 | 0373.4 | 049.3 | 206.4 | 001.2000 | 0282.5 | 016.0 | 72.52 |
| 351.0 | 005.6000 | 0368.4 | 049.0 | 203.2 | 001.2000 | 0281.6 | 015.8 | 72.70 |
| 352.0 | 005.6000 | 0362.6 | 048.7 | 199.9 | 001.2000 | 0276.5 | 015.7 | 72.67 |
| 353.0 | 005.6000 | 0356.7 | 048.4 | 196.6 | 001.2000 | 0260.2 | 015.6 | 72.21 |
| 354.0 | 005.6000 | 0352.0 | 048.1 | 193.3 | 001.2000 | 0242.2 | 015.6 | 71.68 |
| 355.0 | 005.6000 | 0348.1 | 047.8 | 190.1 | 001.2000 | 0238.2 | 015.6 | 71.56 |
| 356.0 | 005.6000 | 0344.9 | 047.6 | 187.0 | 001.2000 | 0235.4 | 015.6 | 71.46 |
| 357.0 | 005.6000 | 0344.3 | 047.6 | 183.9 | 001.2000 | 0222.4 | 015.5 | 71.05 |
| 358.0 | 005.6000 | 0346.5 | 047.7 | 180.8 | 001.2000 | 0210.6 | 015.3 | 70.74 |
| 359.0 | 005.6000 | 0349.9 | 047.9 | 177.7 | 001.2000 | 0214.2 | 015.0 | 71.08 |
| 000.0 | 005.6000 | 0353.1 | 048.1 | 174.5 | 001.2000 | 0223.7 | 014.9 | 71.33 |
| 001.0 | 005.6000 | 0356.2 | 048.3 | 171.1 | 001.2000 | 0229.1 | 014.8 | 71.62 |
| 002.0 | 005.6000 | 0361.8 | 048.7 | 167.6 | 001.2000 | 0231.6 | 014.7 | 71.89 |
| 003.0 | 005.6000 | 0373.2 | 049.3 | 163.6 | 001.2000 | 0210.0 | 014.3 | 71.50 |
| 004.0 | 005.6000 | 0386.0 | 050.0 | 159.3 | 001.2000 | 0134.1 | 014.0 | 67.89 |
| 005.0 | 005.6000 | 0399.0 | 050.7 | 154.7 | 001.2000 | 0098.7 | 013.7 | 65.53 |
| 006.0 | 005.6000 | 0413.0 | 051.5 | 149.9 | 001.2000 | 0111.1 | 013.6 | 66.76 |
| 007.0 | 005.6000 | 0428.6 | 052.3 | 144.6 | 001.2000 | 0121.8 | 013.5 | 67.64 |
| 008.0 | 005.6000 | 0443.5 | 053.2 | 139.4 | 001.2000 | 0087.5 | 013.6 | 64.67 |
| 009.0 | 005.6000 | 0455.2 | 053.8 | 134.9 | 001.2000 | 0059.5 | 013.9 | 61.04 |
| 010.0 | 005.6000 | 0463.8 | 054.3 | 131.2 | 001.2000 | 0037.5 | 014.4 | 56.27 |
| 011.0 | 005.6000 | 0470.2 | 054.6 | 128.1 | 001.2000 | 0026.8 | 015.1 | 53.74 |
| 012.0 | 005.6000 | 0475.3 | 054.9 | 125.6 | 001.2000 | 0018.8 | 015.8 | 53.10 |
| 013.0 | 005.6000 | 0479.8 | 055.2 | 123.5 | 001.2000 | 0014.0 | 016.6 | 52.43 |
| 014.0 | 005.6000 | 0483.2 | 055.4 | 121.8 | 001.2000 | 0008.0 | 017.5 | 51.72 |
| 015.0 | 005.6000 | 0485.9 | 055.6 | 120.4 | 001.2000 | 0001.1 | 018.3 | 50.99 |
| 016.0 | 005.6000 | 0487.8 | 055.7 | 119.3 | 001.2000 | -0004.9 | 019.3 | 50.24 |
| 017.0 | 005.6000 | 0488.7 | 055.7 | 118.6 | 001.2000 | -0009.0 | 020.2 | 49.49 |
| 018.0 | 005.6000 | 0488.4 | 055.7 | 118.1 | 001.2000 | -0011.5 | 021.1 | 48.74 |
| 019.0 | 005.6000 | 0485.4 | 055.5 | 118.2 | 001.2000 | -0011.3 | 022.1 | 47.99 |
| 020.0 | 005.6000 | 0480.8 | 055.3 | 118.4 | 001.2000 | -0009.7 | 023.1 | 47.26 |
| 021.0 | 005.6000 | 0477.1 | 055.0 | 118.6 | 001.2000 | -0008.5 | 024.1 | 46.56 |
| 022.0 | 005.6000 | 0473.8 | 054.9 | 118.8 | 001.2000 | -0007.6 | 025.1 | 45.89 |
| 023.0 | 005.6000 | 0469.8 | 054.6 | 119.1 | 001.2000 | -0006.2 | 026.1 | 45.26 |
| 024.0 | 005.6000 | 0464.2 | 054.3 | 119.6 | 001.2000 | -0003.7 | 027.0 | 44.65 |
| 025.0 | 005.6000 | 0458.6 | 054.0 | 120.0 | 001.2000 | -0001.1 | 028.0 | 44.09 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 026.0 | 005.6000 | 0453.8 | 053.7 | 120.4 | 001.2000 | 0001.1 | 029.0 | 43.56 |
| 027.0 | 005.6000 | 0448.9 | 053.4 | 120.8 | 001.2000 | 0003.2 | 029.9 | 43.08 |
| 028.0 | 005.6000 | 0444.7 | 053.2 | 121.1 | 001.2000 | 0004.9 | 030.9 | 42.63 |
| 029.0 | 005.6000 | 0441.1 | 053.0 | 121.4 | 001.2000 | 0006.3 | 031.8 | 42.23 |
| 030.0 | 005.6000 | 0435.1 | 052.7 | 121.9 | 001.2000 | 0008.8 | 032.7 | 41.87 |
| 031.0 | 005.6000 | 0425.9 | 052.2 | 122.7 | 001.2000 | 0011.7 | 033.7 | 41.52 |
| 032.0 | 005.6000 | 0416.7 | 051.7 | 123.5 | 001.2000 | 0014.2 | 034.6 | 41.17 |
| 033.0 | 005.6000 | 0408.9 | 051.3 | 124.2 | 001.2000 | 0015.8 | 035.5 | 40.84 |
| 034.0 | 005.6000 | 0402.9 | 050.9 | 124.7 | 001.2000 | 0016.9 | 036.4 | 40.53 |
| 035.0 | 005.6000 | 0398.7 | 050.7 | 125.0 | 001.2000 | 0017.8 | 037.3 | 40.22 |
| 036.0 | 005.6000 | 0393.8 | 050.4 | 125.4 | 001.2000 | 0018.5 | 038.2 | 39.92 |
| 037.0 | 005.6000 | 0388.7 | 050.2 | 125.9 | 001.2000 | 0019.4 | 039.0 | 39.63 |
| 038.0 | 005.6000 | 0386.8 | 050.1 | 126.1 | 001.2000 | 0020.0 | 039.9 | 39.35 |
| 039.0 | 005.6000 | 0388.9 | 050.2 | 126.0 | 001.2000 | 0019.7 | 040.8 | 39.08 |
| 040.0 | 005.6000 | 0390.6 | 050.3 | 125.9 | 001.2000 | 0019.5 | 041.7 | 38.81 |
| 041.0 | 005.6000 | 0390.8 | 050.3 | 126.0 | 001.2000 | 0019.8 | 042.5 | 38.55 |
| 042.0 | 005.6000 | 0391.7 | 050.3 | 126.0 | 001.2000 | 0019.9 | 043.4 | 38.31 |
| 043.0 | 005.6000 | 0394.7 | 050.5 | 125.9 | 001.2000 | 0019.6 | 044.3 | 38.06 |
| 044.0 | 005.6000 | 0398.9 | 050.7 | 125.8 | 001.2000 | 0019.2 | 045.2 | 37.83 |
| 045.0 | 005.6000 | 0403.3 | 051.0 | 125.7 | 001.2000 | 0018.9 | 046.1 | 37.60 |
| 046.0 | 005.6000 | 0408.7 | 051.3 | 125.5 | 001.2000 | 0018.6 | 047.1 | 37.38 |
| 047.0 | 005.6000 | 0414.3 | 051.6 | 125.4 | 001.2000 | 0018.3 | 048.0 | 37.16 |
| 048.0 | 005.6000 | 0418.2 | 051.8 | 125.3 | 001.2000 | 0018.3 | 048.9 | 36.96 |
| 049.0 | 005.6000 | 0419.6 | 051.8 | 125.5 | 001.2000 | 0018.6 | 049.8 | 36.77 |
| 050.0 | 005.6000 | 0418.3 | 051.8 | 125.8 | 001.2000 | 0019.2 | 050.7 | 36.58 |
| 051.0 | 005.6000 | 0415.8 | 051.6 | 126.2 | 001.2000 | 0020.5 | 051.5 | 36.40 |
| 052.0 | 005.6000 | 0412.2 | 051.4 | 126.7 | 001.2000 | 0021.9 | 052.3 | 36.22 |
| 053.0 | 005.6000 | 0407.6 | 051.2 | 127.2 | 001.2000 | 0023.5 | 053.1 | 36.05 |
| 054.0 | 005.6000 | 0402.1 | 050.9 | 127.8 | 001.2000 | 0025.6 | 053.9 | 35.88 |
| 055.0 | 005.6000 | 0395.1 | 050.5 | 128.4 | 001.2000 | 0027.9 | 054.7 | 35.72 |
| 056.0 | 005.6000 | 0387.2 | 050.1 | 129.1 | 001.2000 | 0030.0 | 055.4 | 35.57 |
| 057.0 | 005.6000 | 0380.2 | 049.7 | 129.8 | 001.2000 | 0031.9 | 056.1 | 35.69 |
| 058.0 | 005.6000 | 0375.7 | 049.5 | 130.3 | 001.2000 | 0033.5 | 056.9 | 35.75 |

06-17-2023

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WXLQ 0000159204

WRVT

Channel = 206A

Max ERP = 1.2 kW

RCAMSL = 388 m

N. Lat. 44 13 30.00

W. Lng. 73 07 28.50

Protected

60 dBu

Channel = 204C2

Max ERP = 5.6 kW

RCAMSL = 663 m

N. Lat. 43 39 31.50

W. Lng. 73 06 23.60

Interfering

100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 119.0 | 001.2000 | -0006.6 | 010.6 | 007.7 | 005.6000 | 0439.9 | 058.3 | 61.18 | |
| 120.0 | 001.2000 | -0001.3 | 010.6 | 007.7 | 005.6000 | 0438.9 | 058.2 | 61.21 | |
| 121.0 | 001.2000 | 0004.2 | 010.6 | 007.6 | 005.6000 | 0437.9 | 058.0 | 61.25 | |
| 122.0 | 001.2000 | 0009.0 | 010.6 | 007.5 | 005.6000 | 0436.8 | 057.8 | 61.29 | |
| 123.0 | 001.2000 | 0012.6 | 010.6 | 007.4 | 005.6000 | 0435.6 | 057.7 | 61.32 | |
| 124.0 | 001.2000 | 0015.4 | 010.6 | 007.4 | 005.6000 | 0434.3 | 057.5 | 61.35 | |
| 125.0 | 001.2000 | 0017.7 | 010.6 | 007.3 | 005.6000 | 0433.0 | 057.3 | 61.38 | |
| 126.0 | 001.2000 | 0019.8 | 010.6 | 007.2 | 005.6000 | 0431.7 | 057.2 | 61.41 | |
| 127.0 | 001.2000 | 0022.9 | 010.6 | 007.1 | 005.6000 | 0430.2 | 057.0 | 61.43 | |
| 128.0 | 001.2000 | 0026.4 | 010.6 | 007.0 | 005.6000 | 0428.7 | 056.8 | 61.46 | |
| 129.0 | 001.2000 | 0029.6 | 010.6 | 006.9 | 005.6000 | 0427.2 | 056.7 | 61.48 | |
| 130.0 | 001.2000 | 0032.7 | 011.0 | 007.1 | 005.6000 | 0430.9 | 056.3 | 61.71 | |
| 131.0 | 001.2000 | 0036.8 | 011.6 | 007.6 | 005.6000 | 0437.2 | 055.8 | 62.05 | |
| 132.0 | 001.2000 | 0042.1 | 012.4 | 008.1 | 005.6000 | 0445.0 | 055.2 | 62.48 | |
| 133.0 | 001.2000 | 0048.0 | 013.3 | 008.7 | 005.6000 | 0452.2 | 054.5 | 62.90 | |
| 134.0 | 001.2000 | 0053.9 | 014.1 | 009.3 | 005.6000 | 0457.7 | 053.9 | 63.28 | |
| 135.0 | 001.2000 | 0060.2 | 014.8 | 009.8 | 005.6000 | 0462.2 | 053.2 | 63.64 | |
| 136.0 | 001.2000 | 0066.8 | 015.6 | 010.3 | 005.6000 | 0465.9 | 052.6 | 63.98 | |
| 137.0 | 001.2000 | 0072.8 | 016.3 | 010.8 | 005.6000 | 0468.9 | 051.9 | 64.30 | |
| 138.0 | 001.2000 | 0079.0 | 017.1 | 011.3 | 005.6000 | 0471.6 | 051.2 | 64.62 | |
| 139.0 | 001.2000 | 0085.1 | 017.8 | 011.7 | 005.6000 | 0473.9 | 050.5 | 64.93 | |
| 140.0 | 001.2000 | 0090.2 | 018.4 | 012.0 | 005.6000 | 0475.4 | 049.9 | 65.19 | |
| 141.0 | 001.2000 | 0093.5 | 018.8 | 012.1 | 005.6000 | 0475.9 | 049.4 | 65.39 | |
| 142.0 | 001.2000 | 0098.1 | 019.3 | 012.3 | 005.6000 | 0476.8 | 048.9 | 65.62 | |
| 143.0 | 001.2000 | 0105.9 | 020.1 | 012.8 | 005.6000 | 0478.9 | 048.1 | 65.95 | |
| 144.0 | 001.2000 | 0116.0 | 021.0 | 013.3 | 005.6000 | 0481.0 | 047.2 | 66.32 | |
| 145.0 | 001.2000 | 0124.9 | 021.7 | 013.7 | 005.6000 | 0482.2 | 046.5 | 66.63 | |
| 146.0 | 001.2000 | 0130.6 | 022.1 | 013.8 | 005.6000 | 0482.5 | 045.9 | 66.85 | |
| 147.0 | 001.2000 | 0131.6 | 022.2 | 013.5 | 005.6000 | 0481.6 | 045.6 | 66.96 | |
| 148.0 | 001.2000 | 0127.8 | 021.9 | 012.9 | 005.6000 | 0479.4 | 045.5 | 66.94 | |
| 149.0 | 001.2000 | 0120.4 | 021.4 | 012.1 | 005.6000 | 0475.7 | 045.7 | 66.81 | |
| 150.0 | 001.2000 | 0109.5 | 020.4 | 011.0 | 005.6000 | 0470.0 | 046.1 | 66.50 | |
| 151.0 | 001.2000 | 0099.1 | 019.4 | 009.8 | 005.6000 | 0462.4 | 046.7 | 66.11 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 152.0 | 001.2000 | 0092.7 | 018.7 | 009.0 | 005.6000 | 0455.0 | 047.0 | 65.81 |
| 153.0 | 001.2000 | 0091.6 | 018.6 | 008.6 | 005.6000 | 0450.6 | 046.9 | 65.74 |
| 154.0 | 001.2000 | 0095.2 | 019.0 | 008.5 | 005.6000 | 0450.0 | 046.4 | 65.93 |
| 155.0 | 001.2000 | 0100.0 | 019.5 | 008.5 | 005.6000 | 0450.1 | 045.8 | 66.17 |
| 156.0 | 001.2000 | 0104.8 | 020.0 | 008.5 | 005.6000 | 0449.8 | 045.2 | 66.40 |
| 157.0 | 001.2000 | 0109.9 | 020.5 | 008.4 | 005.6000 | 0449.2 | 044.6 | 66.62 |
| 158.0 | 001.2000 | 0117.4 | 021.1 | 008.5 | 005.6000 | 0449.6 | 043.9 | 66.94 |
| 159.0 | 001.2000 | 0129.2 | 022.0 | 008.7 | 005.6000 | 0451.5 | 042.9 | 67.38 |
| 160.0 | 001.2000 | 0146.3 | 023.3 | 009.0 | 005.6000 | 0455.4 | 041.6 | 68.01 |
| 161.0 | 001.2000 | 0166.1 | 024.7 | 009.4 | 005.6000 | 0459.2 | 040.2 | 68.68 |
| 162.0 | 001.2000 | 0185.1 | 025.8 | 009.7 | 005.6000 | 0461.3 | 038.9 | 69.27 |
| 163.0 | 001.2000 | 0201.7 | 026.9 | 009.8 | 005.6000 | 0461.9 | 037.8 | 69.78 |
| 164.0 | 001.2000 | 0213.7 | 027.6 | 009.6 | 005.6000 | 0460.8 | 036.9 | 70.16 |
| 165.0 | 001.2000 | 0221.8 | 028.1 | 009.3 | 005.6000 | 0457.8 | 036.2 | 70.40 |
| 166.0 | 001.2000 | 0227.6 | 028.5 | 008.8 | 005.6000 | 0453.0 | 035.7 | 70.55 |
| 167.0 | 001.2000 | 0230.8 | 028.7 | 008.2 | 005.6000 | 0445.6 | 035.3 | 70.56 |
| 168.0 | 001.2000 | 0232.0 | 028.8 | 007.4 | 005.6000 | 0435.4 | 035.1 | 70.45 |
| 169.0 | 001.2000 | 0232.2 | 028.8 | 006.7 | 005.6000 | 0423.2 | 034.9 | 70.25 |
| 170.0 | 001.2000 | 0231.2 | 028.7 | 005.8 | 005.6000 | 0410.7 | 034.8 | 69.98 |
| 171.0 | 001.2000 | 0229.4 | 028.6 | 005.0 | 005.6000 | 0399.0 | 034.8 | 69.69 |
| 172.0 | 001.2000 | 0227.2 | 028.5 | 004.1 | 005.6000 | 0387.9 | 034.8 | 69.39 |
| 173.0 | 001.2000 | 0225.3 | 028.4 | 003.3 | 005.6000 | 0377.1 | 034.9 | 69.10 |
| 174.0 | 001.2000 | 0224.2 | 028.3 | 002.5 | 005.6000 | 0367.0 | 034.8 | 68.84 |
| 175.0 | 001.2000 | 0222.8 | 028.2 | 001.7 | 005.6000 | 0359.3 | 034.9 | 68.62 |
| 176.0 | 001.2000 | 0220.4 | 028.1 | 000.8 | 005.6000 | 0355.8 | 035.0 | 68.47 |
| 177.0 | 001.2000 | 0216.3 | 027.8 | 000.0 | 005.6000 | 0353.2 | 035.2 | 68.29 |
| 178.0 | 001.2000 | 0213.5 | 027.6 | 359.2 | 005.6000 | 0350.6 | 035.4 | 68.14 |
| 179.0 | 001.2000 | 0212.2 | 027.5 | 358.4 | 005.6000 | 0348.0 | 035.4 | 68.03 |
| 180.0 | 001.2000 | 0211.3 | 027.5 | 357.7 | 005.6000 | 0345.4 | 035.5 | 67.93 |
| 181.0 | 001.2000 | 0210.5 | 027.4 | 356.9 | 005.6000 | 0344.2 | 035.6 | 67.86 |
| 182.0 | 001.2000 | 0212.6 | 027.6 | 356.1 | 005.6000 | 0344.6 | 035.5 | 67.91 |
| 183.0 | 001.2000 | 0217.4 | 027.9 | 355.3 | 005.6000 | 0347.1 | 035.2 | 68.10 |
| 184.0 | 001.2000 | 0222.8 | 028.2 | 354.4 | 005.6000 | 0350.3 | 035.0 | 68.31 |
| 185.0 | 001.2000 | 0227.0 | 028.5 | 353.5 | 005.6000 | 0354.0 | 034.8 | 68.50 |
| 186.0 | 001.2000 | 0231.2 | 028.7 | 352.6 | 005.6000 | 0358.8 | 034.7 | 68.70 |
| 187.0 | 001.2000 | 0235.5 | 029.0 | 351.7 | 005.6000 | 0364.3 | 034.5 | 68.91 |
| 188.0 | 001.2000 | 0238.2 | 029.2 | 350.8 | 005.6000 | 0369.3 | 034.5 | 69.05 |
| 189.0 | 001.2000 | 0238.6 | 029.2 | 350.0 | 005.6000 | 0373.3 | 034.7 | 69.09 |
| 190.0 | 001.2000 | 0238.2 | 029.2 | 349.2 | 005.6000 | 0375.8 | 034.9 | 69.07 |
| 191.0 | 001.2000 | 0238.3 | 029.2 | 348.5 | 005.6000 | 0377.1 | 035.0 | 69.02 |
| 192.0 | 001.2000 | 0239.4 | 029.2 | 347.7 | 005.6000 | 0377.8 | 035.2 | 68.97 |
| 193.0 | 001.2000 | 0241.3 | 029.3 | 346.8 | 005.6000 | 0378.3 | 035.3 | 68.93 |
| 194.0 | 001.2000 | 0244.8 | 029.5 | 345.9 | 005.6000 | 0379.4 | 035.4 | 68.93 |
| 195.0 | 001.2000 | 0250.2 | 029.8 | 345.0 | 005.6000 | 0379.5 | 035.3 | 68.94 |
| 196.0 | 001.2000 | 0256.5 | 030.2 | 343.9 | 005.6000 | 0375.2 | 035.3 | 68.84 |
| 197.0 | 001.2000 | 0263.0 | 030.6 | 342.9 | 005.6000 | 0368.0 | 035.3 | 68.65 |
| 198.0 | 001.2000 | 0269.0 | 030.9 | 341.9 | 005.6000 | 0361.3 | 035.3 | 68.46 |
| 199.0 | 001.2000 | 0273.7 | 031.2 | 340.9 | 005.6000 | 0357.0 | 035.4 | 68.28 |
| 200.0 | 001.2000 | 0276.6 | 031.3 | 340.1 | 005.6000 | 0354.1 | 035.7 | 68.10 |
| 201.0 | 001.2000 | 0278.5 | 031.4 | 339.3 | 005.6000 | 0351.9 | 035.9 | 67.91 |
| 202.0 | 001.2000 | 0280.0 | 031.5 | 338.6 | 005.6000 | 0350.4 | 036.2 | 67.72 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 203.0 | 001.2000 | 0281.3 | 031.6 | 337.9 | 005.6000 | 0349.8 | 036.6 | 67.55 |
| 204.0 | 001.2000 | 0282.3 | 031.6 | 337.2 | 005.6000 | 0350.3 | 036.9 | 67.40 |
| 205.0 | 001.2000 | 0282.7 | 031.7 | 336.6 | 005.6000 | 0351.6 | 037.3 | 67.26 |
| 206.0 | 001.2000 | 0282.6 | 031.7 | 336.0 | 005.6000 | 0353.5 | 037.7 | 67.12 |
| 207.0 | 001.2000 | 0282.1 | 031.6 | 335.6 | 005.6000 | 0355.8 | 038.2 | 66.98 |
| 208.0 | 001.2000 | 0281.8 | 031.6 | 335.1 | 005.6000 | 0358.2 | 038.6 | 66.85 |
| 209.0 | 001.2000 | 0281.3 | 031.6 | 334.6 | 005.6000 | 0360.6 | 039.1 | 66.71 |
| 210.0 | 001.2000 | 0279.6 | 031.5 | 334.3 | 005.6000 | 0362.4 | 039.6 | 66.53 |
| 211.0 | 001.2000 | 0276.1 | 031.3 | 334.1 | 005.6000 | 0363.5 | 040.2 | 66.31 |
| 212.0 | 001.2000 | 0272.1 | 031.1 | 333.9 | 005.6000 | 0364.4 | 040.8 | 66.08 |
| 213.0 | 001.2000 | 0269.2 | 030.9 | 333.7 | 005.6000 | 0365.5 | 041.3 | 65.88 |
| 214.0 | 001.2000 | 0266.7 | 030.8 | 333.5 | 005.6000 | 0366.8 | 041.8 | 65.68 |
| 215.0 | 001.2000 | 0264.3 | 030.6 | 333.3 | 005.6000 | 0368.0 | 042.4 | 65.49 |
| 216.0 | 001.2000 | 0264.4 | 030.6 | 333.0 | 005.6000 | 0370.2 | 042.8 | 65.35 |
| 217.0 | 001.2000 | 0268.2 | 030.8 | 332.4 | 005.6000 | 0374.1 | 043.2 | 65.30 |
| 218.0 | 001.2000 | 0273.3 | 031.1 | 331.8 | 005.6000 | 0378.5 | 043.6 | 65.27 |
| 219.0 | 001.2000 | 0277.5 | 031.4 | 331.2 | 005.6000 | 0382.1 | 044.0 | 65.20 |
| 220.0 | 001.2000 | 0280.6 | 031.6 | 330.8 | 005.6000 | 0385.4 | 044.5 | 65.10 |
| 221.0 | 001.2000 | 0283.3 | 031.7 | 330.3 | 005.6000 | 0388.3 | 044.9 | 64.99 |
| 222.0 | 001.2000 | 0286.0 | 031.9 | 329.9 | 005.6000 | 0391.3 | 045.4 | 64.88 |
| 223.0 | 001.2000 | 0288.8 | 032.0 | 329.5 | 005.6000 | 0394.4 | 045.9 | 64.77 |
| 224.0 | 001.2000 | 0291.5 | 032.2 | 329.2 | 005.6000 | 0397.4 | 046.4 | 64.65 |
| 225.0 | 001.2000 | 0294.0 | 032.3 | 328.8 | 005.6000 | 0400.1 | 046.9 | 64.52 |
| 226.0 | 001.2000 | 0296.4 | 032.4 | 328.5 | 005.6000 | 0402.6 | 047.4 | 64.38 |
| 227.0 | 001.2000 | 0298.8 | 032.6 | 328.2 | 005.6000 | 0404.8 | 047.9 | 64.24 |
| 228.0 | 001.2000 | 0301.2 | 032.7 | 327.9 | 005.6000 | 0406.8 | 048.5 | 64.09 |
| 229.0 | 001.2000 | 0303.6 | 032.8 | 327.7 | 005.6000 | 0408.3 | 049.0 | 63.92 |
| 230.0 | 001.2000 | 0305.9 | 032.9 | 327.4 | 005.6000 | 0409.7 | 049.6 | 63.75 |
| 231.0 | 001.2000 | 0308.3 | 033.1 | 327.2 | 005.6000 | 0410.9 | 050.1 | 63.57 |
| 232.0 | 001.2000 | 0310.6 | 033.2 | 327.0 | 005.6000 | 0412.0 | 050.7 | 63.38 |
| 233.0 | 001.2000 | 0312.8 | 033.3 | 326.8 | 005.6000 | 0412.9 | 051.3 | 63.18 |
| 234.0 | 001.2000 | 0315.0 | 033.4 | 326.7 | 005.6000 | 0413.7 | 051.8 | 62.98 |
| 235.0 | 001.2000 | 0317.3 | 033.6 | 326.5 | 005.6000 | 0414.4 | 052.4 | 62.78 |
| 236.0 | 001.2000 | 0319.4 | 033.7 | 326.4 | 005.6000 | 0415.1 | 053.0 | 62.58 |
| 237.0 | 001.2000 | 0321.0 | 033.8 | 326.3 | 005.6000 | 0415.6 | 053.6 | 62.36 |
| 238.0 | 001.2000 | 0321.8 | 033.8 | 326.2 | 005.6000 | 0415.8 | 054.2 | 62.14 |