

FMOver Analysis WVJR-LP – W283CT

03-26-2018

Terrain Data: NED 03 SEC

WVJR-LP BLL20170206ABC

W283CT

Channel = 283L1
Max ERP = 0.032 kW
RCAMSL = 312 m
N. Lat. 33 22 19.0
W. Lng. 84 48 07.0
Protected
60 dBu

Channel = 283D
Max ERP = 0.18 kW
RCAMSL = 387 m
N. Lat. 33 45 48.0
W. Lng. 84 44 28.0
Interfering
40 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 307.0 | 000.0320 | 0070.0 | 006.4 | 195.2 | 000.1219 | 0081.7 | 041.0 | 36.51 | |
| 308.0 | 000.0320 | 0068.8 | 006.4 | 195.1 | 000.1221 | 0082.0 | 040.9 | 36.58 | |
| 309.0 | 000.0320 | 0067.4 | 006.3 | 195.0 | 000.1222 | 0082.2 | 040.8 | 36.64 | |
| 310.0 | 000.0320 | 0066.3 | 006.3 | 194.8 | 000.1223 | 0082.3 | 040.7 | 36.68 | |
| 311.0 | 000.0320 | 0063.3 | 006.2 | 194.6 | 000.1224 | 0082.6 | 040.7 | 36.73 | |
| 312.0 | 000.0320 | 0061.3 | 006.1 | 194.4 | 000.1226 | 0083.0 | 040.7 | 36.80 | |
| 313.0 | 000.0320 | 0060.9 | 006.0 | 194.3 | 000.1226 | 0083.3 | 040.6 | 36.87 | |
| 314.0 | 000.0320 | 0062.6 | 006.1 | 194.4 | 000.1226 | 0083.2 | 040.4 | 36.91 | |
| 315.0 | 000.0320 | 0064.4 | 006.2 | 194.4 | 000.1226 | 0083.1 | 040.3 | 36.95 | |
| 316.0 | 000.0320 | 0066.4 | 006.3 | 194.4 | 000.1226 | 0083.0 | 040.2 | 37.00 | |
| 317.0 | 000.0320 | 0065.4 | 006.2 | 194.3 | 000.1226 | 0083.6 | 040.1 | 37.09 | |
| 318.0 | 000.0320 | 0065.0 | 006.2 | 194.2 | 000.1227 | 0084.1 | 040.0 | 37.17 | |
| 319.0 | 000.0320 | 0064.8 | 006.2 | 194.1 | 000.1228 | 0084.5 | 039.9 | 37.25 | |
| 320.0 | 000.0320 | 0064.0 | 006.2 | 193.9 | 000.1228 | 0084.9 | 039.9 | 37.32 | |
| 321.0 | 000.0320 | 0065.0 | 006.2 | 193.9 | 000.1228 | 0085.0 | 039.7 | 37.37 | |
| 322.0 | 000.0320 | 0064.3 | 006.2 | 193.8 | 000.1229 | 0085.2 | 039.7 | 37.43 | |
| 323.0 | 000.0320 | 0062.7 | 006.1 | 193.6 | 000.1229 | 0085.5 | 039.6 | 37.47 | |
| 324.0 | 000.0320 | 0063.2 | 006.1 | 193.5 | 000.1230 | 0085.5 | 039.5 | 37.52 | |
| 325.0 | 000.0320 | 0063.1 | 006.1 | 193.4 | 000.1230 | 0085.5 | 039.5 | 37.55 | |
| 326.0 | 000.0320 | 0061.1 | 006.1 | 193.2 | 000.1230 | 0085.8 | 039.5 | 37.58 | |
| 327.0 | 000.0320 | 0061.2 | 006.1 | 193.1 | 000.1231 | 0086.0 | 039.4 | 37.64 | |
| 328.0 | 000.0320 | 0063.0 | 006.1 | 193.1 | 000.1231 | 0086.1 | 039.2 | 37.70 | |
| 329.0 | 000.0320 | 0064.2 | 006.2 | 193.0 | 000.1231 | 0086.2 | 039.1 | 37.77 | |
| 330.0 | 000.0320 | 0066.1 | 006.3 | 193.0 | 000.1231 | 0086.3 | 039.0 | 37.83 | |
| 331.0 | 000.0320 | 0068.1 | 006.4 | 193.0 | 000.1231 | 0086.4 | 038.8 | 37.90 | |
| 332.0 | 000.0320 | 0070.1 | 006.5 | 192.9 | 000.1232 | 0086.4 | 038.7 | 37.96 | |
| 333.0 | 000.0320 | 0071.0 | 006.5 | 192.8 | 000.1232 | 0086.5 | 038.6 | 38.02 | |
| 334.0 | 000.0320 | 0069.1 | 006.4 | 192.6 | 000.1233 | 0086.5 | 038.6 | 38.02 | |
| 335.0 | 000.0320 | 0068.9 | 006.4 | 192.5 | 000.1234 | 0086.5 | 038.5 | 38.05 | |
| 336.0 | 000.0320 | 0069.8 | 006.4 | 192.4 | 000.1235 | 0086.5 | 038.4 | 38.10 | |
| 337.0 | 000.0320 | 0068.9 | 006.4 | 192.2 | 000.1236 | 0086.7 | 038.4 | 38.14 | |
| 338.0 | 000.0320 | 0065.8 | 006.3 | 192.0 | 000.1237 | 0087.3 | 038.5 | 38.18 | |
| 339.0 | 000.0320 | 0065.0 | 006.2 | 191.8 | 000.1238 | 0087.8 | 038.4 | 38.24 | |
| 340.0 | 000.0320 | 0065.3 | 006.2 | 191.7 | 000.1239 | 0088.1 | 038.4 | 38.30 | |
| 341.0 | 000.0320 | 0064.8 | 006.2 | 191.5 | 000.1240 | 0088.2 | 038.3 | 38.34 | |
| 342.0 | 000.0320 | 0065.6 | 006.3 | 191.4 | 000.1241 | 0088.4 | 038.2 | 38.39 | |
| 343.0 | 000.0320 | 0063.6 | 006.2 | 191.2 | 000.1242 | 0088.6 | 038.3 | 38.41 | |
| 344.0 | 000.0320 | 0060.7 | 006.0 | 191.0 | 000.1243 | 0089.0 | 038.3 | 38.42 | |

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|-------|----------|--------|-------|-------|----------|--------|-------|-------|
| 345.0 | 000.0320 | 0060.0 | 006.0 | 190.8 | 000.1244 | 0089.6 | 038.3 | 38.49 |
| 346.0 | 000.0320 | 0059.7 | 006.0 | 190.7 | 000.1244 | 0090.4 | 038.3 | 38.58 |
| 347.0 | 000.0320 | 0059.1 | 006.0 | 190.5 | 000.1245 | 0091.2 | 038.3 | 38.66 |
| 348.0 | 000.0320 | 0057.8 | 005.9 | 190.3 | 000.1245 | 0091.9 | 038.3 | 38.72 |
| 349.0 | 000.0320 | 0057.9 | 005.9 | 190.2 | 000.1245 | 0092.4 | 038.2 | 38.79 |
| 350.0 | 000.0320 | 0056.1 | 005.8 | 190.0 | 000.1246 | 0093.3 | 038.3 | 38.86 |
| 351.0 | 000.0320 | 0057.5 | 005.9 | 189.9 | 000.1247 | 0093.9 | 038.2 | 38.96 |
| 352.0 | 000.0320 | 0057.7 | 005.9 | 189.7 | 000.1248 | 0094.6 | 038.1 | 39.05 |
| 353.0 | 000.0320 | 0058.6 | 005.9 | 189.6 | 000.1248 | 0095.2 | 038.1 | 39.13 |
| 354.0 | 000.0320 | 0057.3 | 005.9 | 189.4 | 000.1249 | 0096.0 | 038.1 | 39.19 |
| 355.0 | 000.0320 | 0058.8 | 005.9 | 189.3 | 000.1250 | 0096.4 | 038.0 | 39.28 |
| 356.0 | 000.0320 | 0059.2 | 006.0 | 189.2 | 000.1251 | 0097.2 | 038.0 | 39.36 |
| 357.0 | 000.0320 | 0060.2 | 006.0 | 189.0 | 000.1252 | 0097.7 | 037.9 | 39.44 |
| 358.0 | 000.0320 | 0060.2 | 006.0 | 188.9 | 000.1253 | 0098.2 | 037.9 | 39.50 |
| 359.0 | 000.0320 | 0059.5 | 006.0 | 188.7 | 000.1254 | 0098.7 | 037.9 | 39.54 |
| 000.0 | 000.0320 | 0060.1 | 006.0 | 188.6 | 000.1255 | 0098.9 | 037.8 | 39.59 |
| 001.0 | 000.0320 | 0056.6 | 005.8 | 188.4 | 000.1256 | 0099.2 | 038.0 | 39.55 |
| 002.0 | 000.0320 | 0052.0 | 005.6 | 188.2 | 000.1257 | 0099.7 | 038.2 | 39.49 |
| 003.0 | 000.0320 | 0053.1 | 005.7 | 188.0 | 000.1258 | 0100.0 | 038.1 | 39.56 |
| 004.0 | 000.0320 | 0052.9 | 005.7 | 187.9 | 000.1259 | 0100.3 | 038.1 | 39.58 |
| 005.0 | 000.0320 | 0054.3 | 005.7 | 187.8 | 000.1260 | 0100.5 | 038.1 | 39.63 |
| 006.0 | 000.0320 | 0054.1 | 005.7 | 187.6 | 000.1260 | 0101.0 | 038.1 | 39.68 |
| 007.0 | 000.0320 | 0055.8 | 005.8 | 187.5 | 000.1261 | 0101.6 | 038.0 | 39.77 |
| 008.0 | 000.0320 | 0053.5 | 005.7 | 187.3 | 000.1262 | 0102.2 | 038.1 | 39.77 |
| 009.0 | 000.0320 | 0053.1 | 005.7 | 187.2 | 000.1263 | 0102.6 | 038.1 | 39.80 |
| 010.0 | 000.0320 | 0053.4 | 005.7 | 187.0 | 000.1264 | 0102.9 | 038.1 | 39.84 |
| 011.0 | 000.0320 | 0051.7 | 005.6 | 186.9 | 000.1264 | 0102.9 | 038.2 | 39.80 |
| 012.0 | 000.0320 | 0049.1 | 005.4 | 186.7 | 000.1265 | 0102.9 | 038.4 | 39.73 |
| 013.0 | 000.0320 | 0050.3 | 005.5 | 186.6 | 000.1265 | 0102.7 | 038.3 | 39.74 |
| 014.0 | 000.0320 | 0047.2 | 005.3 | 186.5 | 000.1266 | 0102.5 | 038.5 | 39.64 |
| 015.0 | 000.0320 | 0051.1 | 005.6 | 186.3 | 000.1266 | 0102.2 | 038.3 | 39.71 |
| 016.0 | 000.0320 | 0051.7 | 005.6 | 186.1 | 000.1267 | 0102.0 | 038.3 | 39.70 |
| 017.0 | 000.0320 | 0051.1 | 005.6 | 186.0 | 000.1267 | 0102.0 | 038.3 | 39.68 |
| 018.0 | 000.0320 | 0049.1 | 005.4 | 185.9 | 000.1268 | 0102.0 | 038.4 | 39.63 |
| 019.0 | 000.0320 | 0047.6 | 005.4 | 185.8 | 000.1268 | 0102.1 | 038.6 | 39.59 |
| 020.0 | 000.0320 | 0047.5 | 005.4 | 185.7 | 000.1269 | 0102.3 | 038.6 | 39.59 |
| 021.0 | 000.0320 | 0045.6 | 005.2 | 185.6 | 000.1270 | 0102.4 | 038.7 | 39.55 |
| 022.0 | 000.0320 | 0042.5 | 005.0 | 185.5 | 000.1270 | 0102.4 | 038.9 | 39.46 |
| 023.0 | 000.0320 | 0040.9 | 004.9 | 185.4 | 000.1270 | 0102.5 | 039.1 | 39.41 |
| 024.0 | 000.0320 | 0039.9 | 004.9 | 185.4 | 000.1271 | 0102.7 | 039.1 | 39.39 |
| 025.0 | 000.0320 | 0039.8 | 004.9 | 185.2 | 000.1272 | 0102.8 | 039.2 | 39.38 |
| 026.0 | 000.0320 | 0040.9 | 004.9 | 185.1 | 000.1273 | 0102.9 | 039.1 | 39.41 |
| 027.0 | 000.0320 | 0039.2 | 004.8 | 185.0 | 000.1273 | 0102.9 | 039.3 | 39.35 |
| 028.0 | 000.0320 | 0038.0 | 004.7 | 185.0 | 000.1273 | 0102.9 | 039.4 | 39.31 |
| 029.0 | 000.0320 | 0038.7 | 004.8 | 184.8 | 000.1275 | 0102.9 | 039.4 | 39.32 |
| 030.0 | 000.0320 | 0036.8 | 004.6 | 184.8 | 000.1275 | 0102.9 | 039.5 | 39.26 |
| 031.0 | 000.0320 | 0034.1 | 004.5 | 184.8 | 000.1275 | 0102.9 | 039.7 | 39.17 |
| 032.0 | 000.0320 | 0033.3 | 004.4 | 184.8 | 000.1276 | 0102.9 | 039.8 | 39.13 |
| 033.0 | 000.0320 | 0031.8 | 004.3 | 184.7 | 000.1276 | 0102.9 | 039.9 | 39.09 |
| 034.0 | 000.0320 | 0030.4 | 004.2 | 184.7 | 000.1277 | 0102.9 | 040.0 | 39.04 |
| 035.0 | 000.0320 | 0030.9 | 004.3 | 184.6 | 000.1278 | 0103.0 | 040.1 | 39.05 |
| 036.0 | 000.0320 | 0030.3 | 004.2 | 184.5 | 000.1279 | 0103.0 | 040.1 | 39.02 |
| 037.0 | 000.0320 | 0029.6 | 004.2 | 184.4 | 000.1280 | 0103.0 | 040.2 | 39.00 |
| 038.0 | 000.0320 | 0029.5 | 004.2 | 184.4 | 000.1281 | 0103.0 | 040.2 | 38.99 |
| 039.0 | 000.0320 | 0030.2 | 004.2 | 184.3 | 000.1282 | 0103.1 | 040.3 | 38.98 |
| 040.0 | 000.0320 | 0030.7 | 004.2 | 184.1 | 000.1283 | 0103.2 | 040.3 | 38.99 |
| 041.0 | 000.0320 | 0030.1 | 004.2 | 184.1 | 000.1284 | 0103.2 | 040.3 | 38.96 |
| 042.0 | 000.0320 | 0029.5 | 004.2 | 184.0 | 000.1285 | 0103.2 | 040.4 | 38.94 |
| 043.0 | 000.0320 | 0029.2 | 004.2 | 183.9 | 000.1286 | 0103.2 | 040.4 | 38.93 |
| 044.0 | 000.0320 | 0028.6 | 004.2 | 183.9 | 000.1287 | 0103.2 | 040.5 | 38.91 |

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|-------|----------|--------|-------|-------|----------|--------|-------|-------|
| 045.0 | 000.0320 | 0029.4 | 004.2 | 183.8 | 000.1288 | 0103.2 | 040.5 | 38.90 |
| 046.0 | 000.0320 | 0028.9 | 004.2 | 183.7 | 000.1289 | 0103.2 | 040.6 | 38.88 |
| 047.0 | 000.0320 | 0028.4 | 004.2 | 183.6 | 000.1290 | 0103.2 | 040.6 | 38.86 |
| 048.0 | 000.0320 | 0028.5 | 004.2 | 183.5 | 000.1291 | 0103.1 | 040.7 | 38.83 |
| 049.0 | 000.0320 | 0029.8 | 004.2 | 183.5 | 000.1292 | 0103.1 | 040.7 | 38.81 |
| 050.0 | 000.0320 | 0030.8 | 004.3 | 183.4 | 000.1293 | 0102.9 | 040.8 | 38.80 |
| 051.0 | 000.0320 | 0032.5 | 004.4 | 183.2 | 000.1295 | 0102.7 | 040.7 | 38.80 |
| 052.0 | 000.0320 | 0031.9 | 004.3 | 183.1 | 000.1296 | 0102.7 | 040.8 | 38.76 |
| 053.0 | 000.0320 | 0032.1 | 004.3 | 183.1 | 000.1297 | 0102.6 | 040.9 | 38.74 |
| 054.0 | 000.0320 | 0033.0 | 004.4 | 182.9 | 000.1298 | 0102.5 | 040.9 | 38.72 |
| 055.0 | 000.0320 | 0033.5 | 004.4 | 182.8 | 000.1300 | 0102.3 | 040.9 | 38.69 |
| 056.0 | 000.0320 | 0033.5 | 004.4 | 182.8 | 000.1300 | 0102.2 | 041.0 | 38.67 |
| 057.0 | 000.0320 | 0034.6 | 004.5 | 182.6 | 000.1302 | 0102.3 | 041.0 | 38.67 |
| 058.0 | 000.0320 | 0035.8 | 004.6 | 182.5 | 000.1304 | 0102.3 | 041.0 | 38.67 |
| 059.0 | 000.0320 | 0035.6 | 004.6 | 182.4 | 000.1305 | 0102.3 | 041.1 | 38.64 |
| 060.0 | 000.0320 | 0035.8 | 004.6 | 182.3 | 000.1306 | 0102.3 | 041.2 | 38.62 |
| 061.0 | 000.0320 | 0037.0 | 004.7 | 182.2 | 000.1308 | 0102.5 | 041.2 | 38.63 |
| 062.0 | 000.0320 | 0035.4 | 004.5 | 182.3 | 000.1307 | 0102.4 | 041.3 | 38.56 |
| 063.0 | 000.0320 | 0034.8 | 004.5 | 182.3 | 000.1307 | 0102.4 | 041.4 | 38.53 |
| 064.0 | 000.0320 | 0035.4 | 004.5 | 182.2 | 000.1308 | 0102.5 | 041.5 | 38.52 |
| 065.0 | 000.0320 | 0036.1 | 004.6 | 182.0 | 000.1309 | 0102.7 | 041.5 | 38.52 |
| 066.0 | 000.0320 | 0036.2 | 004.6 | 182.0 | 000.1310 | 0102.7 | 041.6 | 38.49 |
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At all locations on the WVJR-LP protected 60 dBu contour this proposal delivers less than 40 dBu (interfering).

Bromo Communications, Inc.