TECHNICAL EXHIBIT

MODIFICATION OF
FM CONSTRUCTION PERMIT
BPH-19970515MD

NEW(FM)
FCC FACILITY ID: 86803

WARRIOR BROADCASTING, INC.
GREENSBORO, ALABAMA

CH 256C3 3.2 KW 190 M HAAT

MARCH 2001

TECHNICAL NARRATIVE

The technical exhibit, of which this narrative is part, was prepared on behalf of Warrior Broadcasting, Inc., in support of an application to improve the facilities of FM Broadcast Station NEW(FM), Channel 256C3, Greensboro, Alabama. FCC facility identification number 86803.

The applicant proposes to specify changes in effective radiated power, antenna height above average terrain, antenna (center of radiation) height above ground, the overall height of the supporting structure and antenna location. The changes proposed herein, in accordance with the Commission's rules, are designated as minor changes to the existing FCC Construction Permit BPH-19970515MD.

The proposed station will operate on FM Channel 256C3 (99.1 MHz) with an effective radiated power of 3.2 kilowatts (H&V) and an antenna height above average terrain (HAAT) of 190 meters.

This proposal meets the minimum power requirements of §73.211(a)(3) for Class C3 stations. The proposed reference contour is greater than that of the next lower FM Class of Station (FM Class A).

The proposal would not be subject to environmental processing in accordance with 47 C.F.R. §1.1306. This proposal does not involve a site location specified under 47 C.F.R. §1.1307 (a)(1)-(7), or involve high intensity lighting under 47 C.F.R. §1.1307(a)(8) or result in human exposure to radiofrequency radiation in excess of the applicable safety standards specified in 47 C.F.R. §1.1307(b).

This application conforms with all applicable rules and regulations of the Federal Communications Commission. General specifications for the proposed operation are included herein as Figure 1. Exhibit E-5 contains a FM channel separation study, which shows that this proposal meets all required FM spacings in accordance with 47 C.F.R. §73.207, with the exception of a short-spacing to WAHR, FM Channel 256C at Huntsville, Alabama. The applicant proposes operation in accordance with 47 C.F.R. § 73.215 (contour protection) to this station.

FAA NOTICE OF PROPOSED TOWER CONSTRUCTION (EXHIBIT E-1)

The Federal Aviation Administration has been notified of this proposal, and the Audio Service Division of the FCC will be advised of the tower registration number once FAA approval has been received.

ANTENNA SUPPORTING STRUCTURE (EXHIBIT E-2)

The proposed transmitting facility will consist of a 4-bay FM antenna side-mounted on a guyed, uniform cross-section, steel tower. Exhibit E-2 contains a vertical sketch of the proposed

antenna location and supporting structure.

TRANSMITTER SITE MAP (EXHIBIT E-3)

The antenna location is uniquely described by the following geographic coordinates, which were verified on the "MOUNDSVILLE EAST, AL " U.S.G.S. 7-½ minute quadrangle map:

32° 52' 40" North Latitude
87° 36' 53" West Longitude.

The coordinates of the tower have been rounded to the nearest second to conform with the current FCC practice. A transmitter site map is not required as indicated in the instructions to the electronic FCC Form 301-FM. The geographical coordinates are presented herein as referenced to the North American Datum of 1927 as is current practice of Audio Service Division of the Federal Communication Commission. The transmitter site address (or description) is: County Road 31, Hale County, Alabama.

FCC F(50,50)COVERAGE CONTOURS (EXHIBIT E-4-1)

The predicted coverage contours were calculated in accordance with the provisions of 47 C.F.R. §73.313. In accordance with current FCC practice, no consideration was given to terrain roughness correction factors.

The average terrain elevations from 3 to 16 kilometers from the proposed site were obtained from the N.G.D.C. 3-second terrain database. The standard eight radials evenly spaced at 45-degree intervals were used for determining the average terrain elevations and the distance to the service contours.

The antenna radiation center heights above average terrain in the individual radial directions and the effective radiated power in the appropriate directions were used in conjunction

with the F(50,50) curves of 47 C.F.R. §73.333 to determine the distances to the 70 dBu and 60 dBu contours.

Exhibit E-4-1 is a map showing the predicted 70 dBu and 60 dBu F(50,50) service contours. As the map in Exhibit E-4-1 shows, the 70 dBu (3.16 mV/m) contour from this proposal does not completely encompass Greensboro, Alabama using the standard contour prediction method.

SUPPLEMENTAL METHOD FOR CONTOUR PREDICTION (EXHIBIT E-4-3)

As noted in paragraphs 68 to 72, of the Commission Report and Order, concerning MM Docket 96-58, released August, 22, 1997, the Commission has accepted the use of supplemental contour prediction methods, such as NBS Technical Note 101, terrain roughness, or Longley-Rice analyses, in circumstances where applicants who were faced with unusual terrain considerations have sought to demonstrate that the principal community contour will encompass the community of license, contrary to the result which would be predicted by the standard contour prediction methods in 47 C.F.R. § 73.313.

The applicant proposed the use of a Longley-Rice analyses (based upon NBS Technical Note 101) to demonstrate that the proposed operation will provide service to the city of license as required by the Commission's rules. 47 C.F.R. § 73.313(e) permits the use of supplemental showings for demonstrating a station's coverage.

As the map in Exhibit E-4-3 clearly shows, the 70 dBu (3.16 mV/m) contour from this proposal will encompass all of Greensboro, Alabama, using the supplemental contour prediction method.

The proposed station is located within a part of the state of Alabama, where the terrain varies greatly over the standard 3 to 16 kilometer distance used by the Commission to predict elevations above average terrain. The average terrain varies from a low of 50 meters to a high of approximately 130 meters above sea level (a ratio of 2.6 :1) along the path to the city of license.

A series of terrain profile radials (graphs) have been prepared in the directions of concern (bearings from the transmitter site) to the city of license, and are provided within Exhibit E-4-4.

As can be determined from the map in Exhibit E-4-3, the distance to the 70 dBu contour as predicted by the supplemental method (along the pertinent bearings) is at least 10% larger than the distance to the 70 dBu contour of the standard contour prediction method. Details concerning the calculations using the supplemental method are included as Exhibit E-4-5.

OPERATION IN ACCORDANCE WITH 47 C.F.R. § 73.215 IS REQUESTED (EXHIBITS E-5 & E-6)

This proposal meets all required FM spacings in accordance with 47 C.F.R. §73.207, with the exception of a short-spacing to WAHR, FM Channel 256C at Huntsville, Alabama. The applicant proposes operation in accordance with 47 C.F.R. § 73.215 (contour protection) to this station.

POPULATION AND AREA

The population to be served within the predicted 60 dBu contour was determined by a computer program that adds the population of census districts (at the block level) whose centroids lie within the contour. The 1990 U.S. Census data was employed. The area within the 60 dBu contour was calculated by a computer program using a root mean square algorithm. The predicted 60 dBu contour encompasses 3,357 square kilometers in which 33,642 persons reside.

OTHER CONSIDERATIONS

The "blanketing" contour of a 3.2-kilowatt FM station extends from the tower site a distance of 0.70 kilometers. The applicant recognizes its responsibility to remedy complaints of blanketing interference as required by 47 C.F.R. §73.318, and to protect existing facilities in accordance with the applicable rules.

No adverse impact (intermodulation or otherwise) on existing facilities or pending applications is anticipated. However, the applicant recognizes its responsibility to correct such matters if they occur as a result of its operation.

ENVIRONMENTAL CONSIDERATIONS

The proposed facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields."

Power density contributions from the proposed operation were computed using the appropriate equations of the OST Bulletin. The combined maximum radiated power (H & V) is 6.4-kilowatts. Using a "worst-case" relative field pattern of 1.0 for values all values below the horizon from the proposed antenna, the power density was computed at a level of 2 meters above ground to be 0.0108 mW/cm^2 or 1.08 % of the recommended limit of 1.0 mW/cm^2 for a controlled area at the base of the tower and 5.4 % of the recommended limit of 0.2 mW/cm^2 for an uncontrolled area.

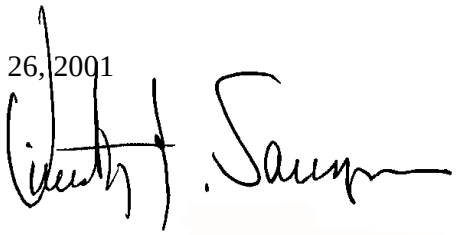
Therefore, at ground level (and 2 meters above), at the base of the tower, the potential for radiofrequency radiation exposure will be well within the FCC guidelines.

The "worst-case" minimum distance from the antenna was computed to be 14.6 meters for a controlled environment. As the minimum distance is more than 128 meters above ground level, no exposure in excess of the guidelines to workers is predicted to occur from this proposal at ground level.

Suitable warning signs and a fence or other devices will be placed at the base of the tower to prevent unauthorized access. If work is required on the tower, the power to the antenna will be terminated or reduced as required. The applicant will fully comply with the provisions contained within the OET bulletin.

Inquiries concerning the technical portion of this application should be directed to the office of the undersigned.

March 26, 2001



Digitzed Signature - Original ON FILE - Timothy Z. Sawyer

Timothy Z. Sawyer

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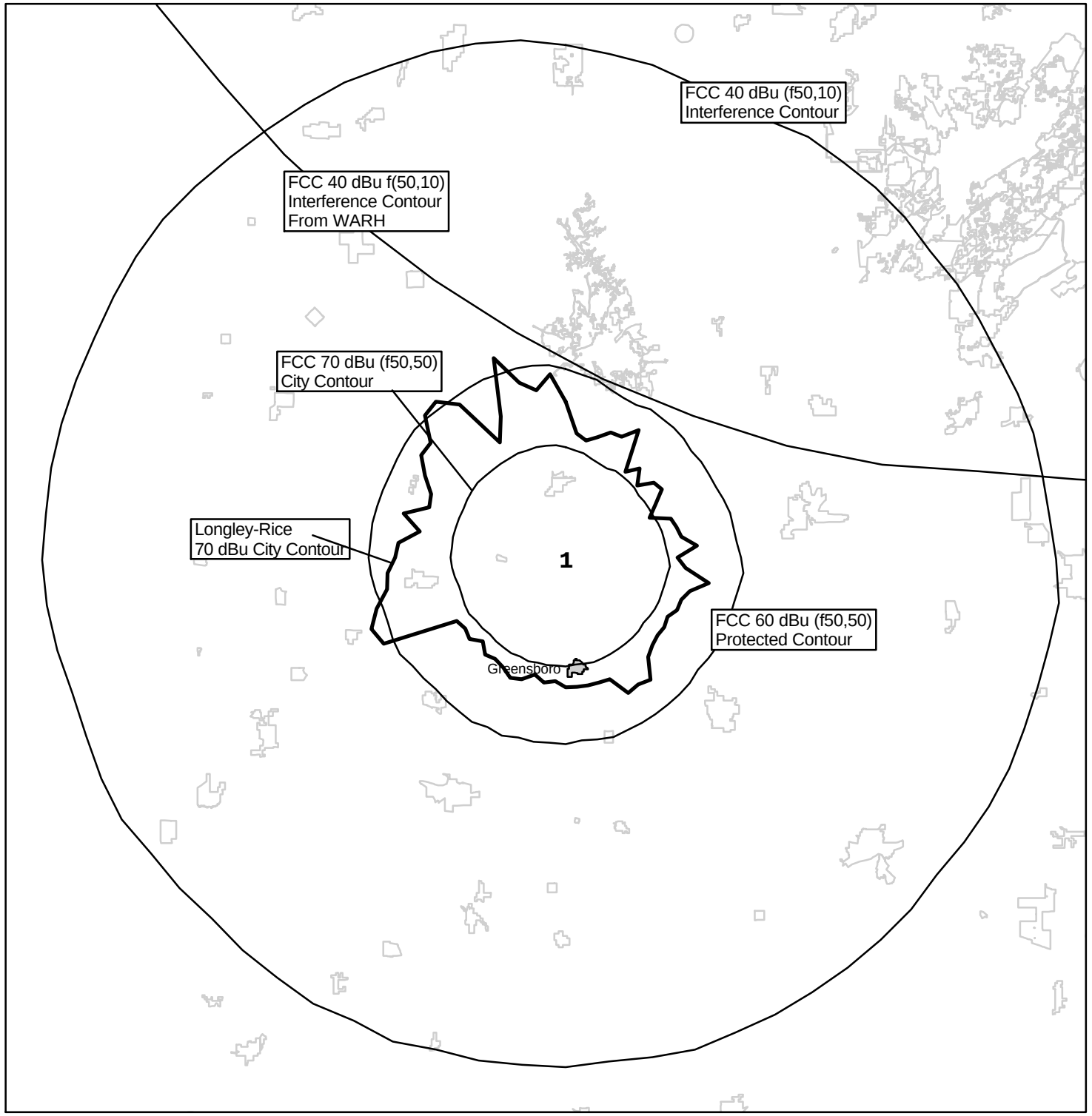

Channel 256C3

Greensboro, AL

Predicted Service Contours

Kilometers

0 10 20 30 40 50

Map Scale: 1: 1,000,000

Map Source:
U.S.G.S. Digital Line Graph - 100K Series
Dept. of Commerce - TigerLine 95 Digital Data

Map Legend - Exhibit E-4-1

- Corp. Limits Greensboro, AL
- Predicted Contours
- Longley-Rice Tech. Note 101 Contour

T.Z. Sawyer Technical Consultants
Bethesda, Maryland, U.S.A.

Exhibit E-4-2

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TABULATION OF DISTANCE TO SERVICE CONTOURS

NEW FM GREENSBORO, AL Channel 256C3 3.200 kW ERP

Azimuth (Deg T)	HAAT (m)	Relative Field	Equiv Power	Rough Correct	70.0 dBu f(50,50) (km)	60.0 dBu f(50,50) (km)	40.0 dBu f(50,10) (km)
0.00	195.17	1.000	3.200	.000	19.49	33.33	90.83
45.00	154.86	1.000	3.200	.000	17.35	29.75	85.57
90.00	173.46	1.000	3.200	.000	18.45	31.45	88.08
135.00	174.18	1.000	3.200	.000	18.48	31.52	88.17
180.00	192.67	1.000	3.200	.000	19.37	33.12	90.52
225.00	192.22	1.000	3.200	.000	19.35	33.08	90.46
270.00	221.76	1.000	3.200	.000	20.71	35.44	94.02
315.00	215.90	1.000	3.200	.000	20.45	35.01	93.35

Avg. HAAT 190.03 meters (rounds to 190 meters)

Exhibit E-4-3

NEW(FM)
FCC FACILITY ID: 86803
WARRIOR BROADCASTING, INC.
GREENSBORO, ALABAMA
CH 256C3 3.2 KW 190 M HAAT

TECH. NOTE 101 - LONGELY-RICE - SUPPLEMENTAL SHOWING

COMPUTED FIELD VALUES - LONGLEY-RICE MODEL (VER 1.2.2)

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NEW FM GREENSBORO, AL
GREENSBORO; NEW FM
Transmitter Latitude: 32:52:40.0N   Longitude:  87:36:53.0W
Transmitter center of radiation:  264.9 m  AMSL (  143.00 m  AGL)
Frequency:   99.1000 MHz;  Power:   3.200 kW
Receiver antenna:     9.1 m  AGL; 1.333 earth curvature

  Mode of variability:  11 (Individual mode)
  Confidence:  50.0%  Reliability:  50.0%
  Polarization:  Horizontal
  Relative permittivity:   15.  Conductivity:   .005
  Climate:  5 (Continental temperate)
  Sea level refractivity:    0.  Surface refractivity:  301.

Az 170.0    3.200 kW   16.00 km   80.86 dBu (net received field)
     Free-space field:  87.89  Computed transmission loss:  7.03
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    161 points;  .100 km interval; Delta-H:    96.7 m
     Effective antenna heights:   190.7 m     13.3 m
         Site elevations (MSL):   121.9 m     89.9 m

Az 170.0    3.200 kW   16.50 km   83.50 dBu (net received field)
     Free-space field:  87.62  Computed transmission loss:  4.12
     Line-of-sight path
     Profile:    166 points;  .100 km interval; Delta-H:    94.5 m
     Effective antenna heights:   198.1 m     14.6 m
         Site elevations (MSL):   121.9 m     91.0 m

Az 170.0    3.200 kW   17.00 km   82.58 dBu (net received field)
     Free-space field:  87.36  Computed transmission loss:  4.78
     Line-of-sight path
     Profile:    171 points;  .100 km interval; Delta-H:    91.4 m
     Effective antenna heights:   198.5 m     13.4 m
         Site elevations (MSL):   121.9 m     91.0 m

Az 170.0    3.200 kW   17.50 km   81.35 dBu (net received field)
     Free-space field:  87.11  Computed transmission loss:  5.76
     Line-of-sight path
     Profile:    176 points;  .100 km interval; Delta-H:    87.1 m
     Effective antenna heights:   199.9 m     11.8 m
         Site elevations (MSL):   121.9 m     91.0 m
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Az 170.0    3.200 kW   18.00 km   80.27 dBu (net received field)
     Free-space field:  86.87  Computed transmission loss:  6.60
     Line-of-sight path
     Profile:    181 points;  .100 km interval; Delta-H:    84.4 m
     Effective antenna heights:   200.1 m     10.8 m
         Site elevations (MSL):   121.9 m     91.0 m

Az 170.0    3.200 kW   18.50 km   79.02 dBu (net received field)
     Free-space field:  86.63  Computed transmission loss:  7.61
     Line-of-sight path
     Profile:    186 points;  .100 km interval; Delta-H:    80.5 m
     Effective antenna heights:   201.1 m      9.7 m
         Site elevations (MSL):   121.9 m     91.1 m

Az 170.0    3.200 kW   19.00 km   78.05 dBu (net received field)
     Free-space field:  86.40  Computed transmission loss:  8.34
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    191 points;  .100 km interval; Delta-H:    77.7 m
     Effective antenna heights:   200.5 m     12.9 m
         Site elevations (MSL):   121.9 m     76.0 m

Az 170.0    3.200 kW   19.50 km   77.60 dBu (net received field)
     Free-space field:  86.17  Computed transmission loss:  8.57
     Line-of-sight path
     Profile:    196 points;  .100 km interval; Delta-H:    75.8 m
     Effective antenna heights:   200.2 m      9.1 m
         Site elevations (MSL):   121.9 m     76.0 m

Az 170.0    3.200 kW   20.00 km   77.10 dBu (net received field)
     Free-space field:  85.95  Computed transmission loss:  8.85
     Line-of-sight path
     Profile:    201 points;  .100 km interval; Delta-H:    75.4 m
     Effective antenna heights:   199.2 m      9.1 m
         Site elevations (MSL):   121.9 m     76.2 m


Az 170.0    3.200 kW   20.50 km   76.64 dBu (net received field)
     Free-space field:  85.74  Computed transmission loss:  9.10
     Line-of-sight path
     Profile:    206 points;  .100 km interval; Delta-H:    74.7 m
     Effective antenna heights:   198.9 m      9.1 m
         Site elevations (MSL):   121.9 m     76.1 m

Az 170.0    3.200 kW   21.00 km   76.17 dBu (net received field)
     Free-space field:  85.53  Computed transmission loss:  9.36
     Line-of-sight path
     Profile:    211 points;  .100 km interval; Delta-H:    73.8 m
     Effective antenna heights:   198.3 m      9.1 m
         Site elevations (MSL):   121.9 m     70.1 m
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Az 170.0    3.200 kW   21.50 km   75.66 dBu (net received field)
      Free-space field:  85.32  Computed transmission loss:  9.66
      Line-of-sight path
      Profile:    216 points;  .100 km interval; Delta-H:    74.8 m
      Effective antenna heights:   196.9 m      9.1 m
          Site elevations (MSL):   121.9 m     62.0 m

Az 170.0    3.200 kW   22.00 km   75.14 dBu (net received field)
      Free-space field:  85.12  Computed transmission loss:  9.98
      Line-of-sight path
      Profile:    221 points;  .100 km interval; Delta-H:    75.9 m
      Effective antenna heights:   195.3 m      9.1 m
          Site elevations (MSL):   121.9 m     61.0 m

 Az 170.0    3.200 kW   22.50 km   74.63 dBu (net received field)
      Free-space field:  84.93  Computed transmission loss: 10.30
      Line-of-sight path
      Profile:    226 points;  .100 km interval; Delta-H:    77.5 m
      Effective antenna heights:   193.9 m      9.1 m
          Site elevations (MSL):   121.9 m     61.1 m

 Az 170.0    3.200 kW   23.00 km   74.16 dBu (net received field)
      Free-space field:  84.74  Computed transmission loss: 10.58
      Line-of-sight path
      Profile:    231 points;  .100 km interval; Delta-H:    74.9 m
      Effective antenna heights:   192.7 m      9.1 m
          Site elevations (MSL):   121.9 m     65.9 m


 Az 170.0    3.200 kW   23.50 km   73.71 dBu (net received field)
      Free-space field:  84.55  Computed transmission loss: 10.84
      Line-of-sight path
      Profile:    236 points;  .100 km interval; Delta-H:    72.0 m
      Effective antenna heights:   191.9 m      9.1 m
          Site elevations (MSL):   121.9 m     70.6 m

 Az 170.0    3.200 kW   24.00 km   73.28 dBu (net received field)
      Free-space field:  84.37  Computed transmission loss: 11.09
      Line-of-sight path
      Profile:    241 points;  .100 km interval; Delta-H:    69.3 m
      Effective antenna heights:   191.4 m      9.1 m
          Site elevations (MSL):   121.9 m     69.0 m

 Az 170.0    3.200 kW   24.50 km   72.84 dBu (net received field)
      Free-space field:  84.19  Computed transmission loss: 11.34
      Line-of-sight path
      Profile:    246 points;  .100 km interval; Delta-H:    67.2 m
      Effective antenna heights:   190.8 m      9.1 m
          Site elevations (MSL):   121.9 m     67.8 m
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Az 170.0    3.200 kW   25.00 km   72.42 dBu (net received field)
     Free-space field:  84.01  Computed transmission loss: 11.60
     Line-of-sight path
     Profile:    251 points;  .100 km interval; Delta-H:    65.3 m
     Effective antenna heights:   190.3 m      9.1 m
         Site elevations (MSL):   121.9 m     68.7 m

Az 172.0    3.200 kW   16.00 km   76.99 dBu (net received field)
     Free-space field:  87.89  Computed transmission loss: 10.90
     Double-horizon path
     Dominant mode:  Diffraction
     Profile:    161 points;  .100 km interval; Delta-H:    98.9 m
     Effective antenna heights:   193.8 m     10.2 m
         Site elevations (MSL):   121.9 m     76.8 m

Az 172.0    3.200 kW   16.50 km   83.33 dBu (net received field)
     Free-space field:  87.62  Computed transmission loss:  4.29
     Line-of-sight path
     Profile:    166 points;  .100 km interval; Delta-H:    89.8 m
     Effective antenna heights:   200.7 m     13.8 m
         Site elevations (MSL):   121.9 m     90.9 m

Az 172.0    3.200 kW   17.00 km   79.94 dBu (net received field)
     Free-space field:  87.36  Computed transmission loss:  7.42
     Line-of-sight path
     Profile:    171 points;  .100 km interval; Delta-H:    88.6 m
     Effective antenna heights:   201.1 m      9.1 m
         Site elevations (MSL):   121.9 m     85.7 m

Az 172.0    3.200 kW   17.50 km   79.73 dBu (net received field)
     Free-space field:  87.11  Computed transmission loss:  7.38
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    176 points;  .100 km interval; Delta-H:    89.1 m
     Effective antenna heights:   200.8 m     12.8 m
         Site elevations (MSL):   121.9 m     76.0 m

Az 172.0    3.200 kW   18.00 km   78.98 dBu (net received field)
     Free-space field:  86.87  Computed transmission loss:  7.89
     Line-of-sight path
     Profile:    181 points;  .100 km interval; Delta-H:    84.5 m
     Effective antenna heights:   200.6 m      9.1 m
         Site elevations (MSL):   121.9 m     75.2 m
```

```
Az 172.0    3.200 kW   18.50 km   78.50 dBu (net received field)
     Free-space field:  86.63  Computed transmission loss:  8.12
     Line-of-sight path
     Profile:    186 points;  .100 km interval; Delta-H:    83.6 m
     Effective antenna heights:   200.5 m      9.1 m
         Site elevations (MSL):   121.9 m     73.0 m

Az 172.0    3.200 kW   19.00 km   78.03 dBu (net received field)
     Free-space field:  86.40  Computed transmission loss:  8.36
     Line-of-sight path
     Profile:    191 points;  .100 km interval; Delta-H:    82.7 m
     Effective antenna heights:   200.3 m      9.1 m
         Site elevations (MSL):   121.9 m     76.2 m

Az 172.0    3.200 kW   19.50 km   77.54 dBu (net received field)
     Free-space field:  86.17  Computed transmission loss:  8.63
     Line-of-sight path
     Profile:    196 points;  .100 km interval; Delta-H:    81.8 m
     Effective antenna heights:   199.6 m      9.1 m
         Site elevations (MSL):   121.9 m     77.0 m

Az 172.0    3.200 kW   20.00 km   77.07 dBu (net received field)
     Free-space field:  85.95  Computed transmission loss:  8.88
     Line-of-sight path
     Profile:    201 points;  .100 km interval; Delta-H:    80.1 m
     Effective antenna heights:   199.0 m      9.1 m
         Site elevations (MSL):   121.9 m     79.0 m

Az 172.0    3.200 kW   20.50 km   76.63 dBu (net received field)
     Free-space field:  85.74  Computed transmission loss:  9.11
     Line-of-sight path
     Profile:    206 points;  .100 km interval; Delta-H:    79.1 m
     Effective antenna heights:   199.1 m      9.1 m
         Site elevations (MSL):   121.9 m     75.7 m

Az 172.0    3.200 kW   21.00 km   76.17 dBu (net received field)
     Free-space field:  85.53  Computed transmission loss:  9.36
     Line-of-sight path
     Profile:    211 points;  .100 km interval; Delta-H:    78.1 m
     Effective antenna heights:   198.7 m      9.1 m
         Site elevations (MSL):   121.9 m     69.3 m

Az 172.0    3.200 kW   21.50 km   75.67 dBu (net received field)
     Free-space field:  85.32  Computed transmission loss:  9.65
     Line-of-sight path
     Profile:    216 points;  .100 km interval; Delta-H:    78.3 m
     Effective antenna heights:   197.5 m      9.1 m
         Site elevations (MSL):   121.9 m     61.9 m
```

```
Az 172.0    3.200 kW   22.00 km   75.16 dBu (net received field)
     Free-space field:  85.12  Computed transmission loss:  9.96
     Line-of-sight path
     Profile:    221 points;  .100 km interval; Delta-H:    79.2 m
     Effective antenna heights:   196.1 m      9.1 m
         Site elevations (MSL):   121.9 m     61.0 m

Az 172.0    3.200 kW   22.50 km   74.68 dBu (net received field)
     Free-space field:  84.93  Computed transmission loss: 10.25
     Line-of-sight path
     Profile:    226 points;  .100 km interval; Delta-H:    77.6 m
     Effective antenna heights:   194.8 m      9.1 m
         Site elevations (MSL):   121.9 m     61.0 m

Az 172.0    3.200 kW   23.00 km   74.21 dBu (net received field)
     Free-space field:  84.74  Computed transmission loss: 10.53
     Line-of-sight path
     Profile:    231 points;  .100 km interval; Delta-H:    74.9 m
     Effective antenna heights:   193.7 m      9.1 m
         Site elevations (MSL):   121.9 m     61.0 m

Az 172.0    3.200 kW   23.50 km   73.74 dBu (net received field)
     Free-space field:  84.55  Computed transmission loss: 10.81
     Line-of-sight path
     Profile:    236 points;  .100 km interval; Delta-H:    74.2 m
     Effective antenna heights:   192.8 m      9.1 m
         Site elevations (MSL):   121.9 m     63.2 m

Az 172.0    3.200 kW   24.00 km   73.30 dBu (net received field)
     Free-space field:  84.37  Computed transmission loss: 11.06
     Line-of-sight path
     Profile:    241 points;  .100 km interval; Delta-H:    71.4 m
     Effective antenna heights:   192.0 m      9.1 m
         Site elevations (MSL):   121.9 m     67.1 m

Az 172.0    3.200 kW   24.50 km   72.88 dBu (net received field)
     Free-space field:  84.19  Computed transmission loss: 11.31
     Line-of-sight path
     Profile:    246 points;  .100 km interval; Delta-H:    69.9 m
     Effective antenna heights:   191.7 m      9.1 m
         Site elevations (MSL):   121.9 m     69.9 m

Az 172.0    3.200 kW   25.00 km   72.46 dBu (net received field)
     Free-space field:  84.01  Computed transmission loss: 11.56
     Line-of-sight path
     Profile:    251 points;  .100 km interval; Delta-H:    68.6 m
     Effective antenna heights:   191.3 m      9.1 m
         Site elevations (MSL):   121.9 m     64.7 m
```

```
Az 174.0    3.200 kW   16.00 km   76.72 dBu (net received field)
     Free-space field:  87.89  Computed transmission loss: 11.17
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    161 points;  .100 km interval; Delta-H:   114.7 m
     Effective antenna heights:   190.1 m      9.1 m
         Site elevations (MSL):   121.9 m     88.3 m

Az 174.0    3.200 kW   16.50 km   77.96 dBu (net received field)
     Free-space field:  87.62  Computed transmission loss:  9.66
     Double-horizon path
     Dominant mode:  Diffraction
     Profile:    166 points;  .100 km interval; Delta-H:   114.0 m
     Effective antenna heights:   190.1 m     13.6 m
         Site elevations (MSL):   121.9 m     75.0 m

Az 174.0    3.200 kW   17.00 km   79.49 dBu (net received field)
     Free-space field:  87.36  Computed transmission loss:  7.87
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    171 points;  .100 km interval; Delta-H:   110.4 m
     Effective antenna heights:   190.1 m     16.5 m
         Site elevations (MSL):   121.9 m     72.4 m

Az 174.0    3.200 kW   17.50 km   81.38 dBu (net received field)
     Free-space field:  87.11  Computed transmission loss:  5.74
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    176 points;  .100 km interval; Delta-H:   111.8 m
     Effective antenna heights:   190.1 m     22.4 m
         Site elevations (MSL):   121.9 m     74.5 m

Az 174.0    3.200 kW   18.00 km   78.87 dBu (net received field)
     Free-space field:  86.87  Computed transmission loss:  8.00
     Line-of-sight path
     Profile:    181 points;  .100 km interval; Delta-H:   104.6 m
     Effective antenna heights:   201.4 m      9.1 m
         Site elevations (MSL):   121.9 m     83.1 m

Az 174.0    3.200 kW   18.50 km   78.45 dBu (net received field)
     Free-space field:  86.63  Computed transmission loss:  8.18
     Line-of-sight path
     Profile:    186 points;  .100 km interval; Delta-H:   102.2 m
     Effective antenna heights:   202.2 m      9.1 m
         Site elevations (MSL):   121.9 m     89.4 m
```

```
Az 174.0    3.200 kW   19.00 km   78.00 dBu (net received field)
      Free-space field:  86.40  Computed transmission loss:  8.40
      Line-of-sight path
      Profile:    191 points;  .100 km interval; Delta-H:   102.0 m
      Effective antenna heights:   202.4 m      9.1 m
          Site elevations (MSL):   121.9 m     79.3 m

 Az 174.0    3.200 kW   19.50 km   77.52 dBu (net received field)
      Free-space field:  86.17  Computed transmission loss:  8.65
      Line-of-sight path
      Profile:    196 points;  .100 km interval; Delta-H:    99.8 m
      Effective antenna heights:   201.6 m      9.1 m
          Site elevations (MSL):   121.9 m     84.1 m

 Az 174.0    3.200 kW   20.00 km   77.05 dBu (net received field)
      Free-space field:  85.95  Computed transmission loss:  8.90
      Line-of-sight path
      Profile:    201 points;  .100 km interval; Delta-H:    99.1 m
      Effective antenna heights:   201.1 m      9.1 m
          Site elevations (MSL):   121.9 m     77.2 m

 Az 174.0    3.200 kW   20.50 km   76.58 dBu (net received field)
      Free-space field:  85.74  Computed transmission loss:  9.15
      Line-of-sight path
      Profile:    206 points;  .100 km interval; Delta-H:    99.5 m
      Effective antenna heights:   200.7 m      9.1 m
          Site elevations (MSL):   121.9 m     73.7 m

 Az 174.0    3.200 kW   21.00 km   76.12 dBu (net received field)
      Free-space field:  85.53  Computed transmission loss:  9.41
      Line-of-sight path
      Profile:    211 points;  .100 km interval; Delta-H:    98.2 m
      Effective antenna heights:   200.0 m      9.1 m
          Site elevations (MSL):   121.9 m     69.2 m

 Az 174.0    3.200 kW   21.50 km   75.60 dBu (net received field)
      Free-space field:  85.32  Computed transmission loss:  9.72
      Line-of-sight path
      Profile:    216 points;  .100 km interval; Delta-H:    99.8 m
      Effective antenna heights:   198.6 m      9.1 m
          Site elevations (MSL):   121.9 m     63.0 m

 Az 174.0    3.200 kW   22.00 km   75.07 dBu (net received field)
      Free-space field:  85.12  Computed transmission loss: 10.05
      Line-of-sight path
      Profile:    221 points;  .100 km interval; Delta-H:   102.8 m
      Effective antenna heights:   197.0 m      9.1 m
          Site elevations (MSL):   121.9 m     61.0 m
```

```
Az 174.0    3.200 kW   22.50 km   74.55 dBu (net received field)
      Free-space field:  84.93  Computed transmission loss: 10.37
      Line-of-sight path
      Profile:    226 points;  .100 km interval; Delta-H:   105.1 m
      Effective antenna heights:   195.5 m      9.1 m
          Site elevations (MSL):   121.9 m     61.0 m

 Az 174.0    3.200 kW   23.00 km   74.08 dBu (net received field)
      Free-space field:  84.74  Computed transmission loss: 10.66
      Line-of-sight path
      Profile:    231 points;  .100 km interval; Delta-H:   102.1 m
      Effective antenna heights:   194.1 m      9.1 m
          Site elevations (MSL):   121.9 m     58.9 m

 Az 174.0    3.200 kW   23.50 km   73.59 dBu (net received field)
      Free-space field:  84.55  Computed transmission loss: 10.96
      Line-of-sight path
      Profile:    236 points;  .100 km interval; Delta-H:   102.0 m
      Effective antenna heights:   192.8 m      9.1 m
          Site elevations (MSL):   121.9 m     56.8 m

 Az 174.0    3.200 kW   24.00 km   73.12 dBu (net received field)
      Free-space field:  84.37  Computed transmission loss: 11.25
      Line-of-sight path
      Profile:    241 points;  .100 km interval; Delta-H:   100.3 m
      Effective antenna heights:   191.5 m      9.1 m
          Site elevations (MSL):   121.9 m     57.8 m

 Az 174.0    3.200 kW   24.50 km   72.67 dBu (net received field)
      Free-space field:  84.19  Computed transmission loss: 11.52
      Line-of-sight path
      Profile:    246 points;  .100 km interval; Delta-H:    97.5 m
      Effective antenna heights:   190.4 m      9.1 m
          Site elevations (MSL):   121.9 m     57.1 m

 Az 174.0    3.200 kW   25.00 km   72.24 dBu (net received field)
      Free-space field:  84.01  Computed transmission loss: 11.77
      Line-of-sight path
      Profile:    251 points;  .100 km interval; Delta-H:    91.8 m
      Effective antenna heights:   189.4 m      9.1 m
          Site elevations (MSL):   121.9 m     57.1 m

 Az 176.0    3.200 kW   16.00 km   76.21 dBu (net received field)
      Free-space field:  87.89  Computed transmission loss: 11.68
      Single-horizon path
      Dominant mode:  Diffraction
      Profile:    161 points;  .100 km interval; Delta-H:   105.0 m
      Effective antenna heights:   196.8 m      9.1 m
          Site elevations (MSL):   121.9 m     85.8 m
```

```
Az 176.0    3.200 kW   16.50 km   78.11 dBu (net received field)
     Free-space field:  87.62  Computed transmission loss:  9.51
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    166 points;  .100 km interval; Delta-H:   103.8 m
     Effective antenna heights:   196.8 m     14.4 m
         Site elevations (MSL):   121.9 m     73.2 m

Az 176.0    3.200 kW   17.00 km   79.69 dBu (net received field)
     Free-space field:  87.36  Computed transmission loss:  7.67
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    171 points;  .100 km interval; Delta-H:   104.0 m
     Effective antenna heights:   196.8 m     16.2 m
         Site elevations (MSL):   121.9 m     71.2 m

Az 176.0    3.200 kW   17.50 km   79.30 dBu (net received field)
     Free-space field:  87.11  Computed transmission loss:  7.81
     Line-of-sight path
     Profile:    176 points;  .100 km interval; Delta-H:   101.8 m
     Effective antenna heights:   200.0 m      9.1 m
         Site elevations (MSL):   121.9 m     76.5 m

Az 176.0    3.200 kW   18.00 km   78.83 dBu (net received field)
     Free-space field:  86.87  Computed transmission loss:  8.04
     Line-of-sight path
     Profile:    181 points;  .100 km interval; Delta-H:    96.2 m
     Effective antenna heights:   199.2 m      9.1 m
         Site elevations (MSL):   121.9 m     78.4 m

Az 176.0    3.200 kW   18.50 km   78.38 dBu (net received field)
     Free-space field:  86.63  Computed transmission loss:  8.25
     Line-of-sight path
     Profile:    186 points;  .100 km interval; Delta-H:    94.6 m
     Effective antenna heights:   199.4 m      9.1 m
         Site elevations (MSL):   121.9 m     77.5 m

Az 176.0    3.200 kW   19.00 km   77.95 dBu (net received field)
     Free-space field:  86.40  Computed transmission loss:  8.45
     Line-of-sight path
     Profile:    191 points;  .100 km interval; Delta-H:    89.3 m
     Effective antenna heights:   199.5 m      9.1 m
         Site elevations (MSL):   121.9 m     80.8 m

Az 176.0    3.200 kW   19.50 km   77.48 dBu (net received field)
     Free-space field:  86.17  Computed transmission loss:  8.69
     Line-of-sight path
     Profile:    196 points;  .100 km interval; Delta-H:    87.5 m
     Effective antenna heights:   199.2 m      9.1 m
         Site elevations (MSL):   121.9 m     85.0 m
```

```
Az 176.0    3.200 kW   20.00 km   77.03 dBu (net received field)
     Free-space field:  85.95  Computed transmission loss:  8.93
     Line-of-sight path
     Profile:    201 points;  .100 km interval; Delta-H:    86.1 m
     Effective antenna heights:   198.9 m      9.1 m
         Site elevations (MSL):   121.9 m     78.5 m

Az 176.0    3.200 kW   22.00 km   72.83 dBu (net received field)
     Free-space field:  85.12  Computed transmission loss: 12.29
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    221 points;  .100 km interval; Delta-H:    80.4 m
     Effective antenna heights:   200.3 m     10.2 m
         Site elevations (MSL):   121.9 m     61.7 m

Az 176.0    3.200 kW   22.50 km   73.05 dBu (net received field)
     Free-space field:  84.93  Computed transmission loss: 11.87
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    226 points;  .100 km interval; Delta-H:    82.9 m
     Effective antenna heights:   200.3 m     10.8 m
         Site elevations (MSL):   121.9 m     56.8 m

Az 176.0    3.200 kW   23.00 km   70.22 dBu (net received field)
     Free-space field:  84.74  Computed transmission loss: 14.52
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    231 points;  .100 km interval; Delta-H:    84.5 m
     Effective antenna heights:   200.3 m      9.1 m
         Site elevations (MSL):   121.9 m     46.8 m

Az 176.0    3.200 kW   23.50 km   73.70 dBu (net received field)
     Free-space field:  84.55  Computed transmission loss: 10.85
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    236 points;  .100 km interval; Delta-H:    86.6 m
     Effective antenna heights:   200.3 m     13.9 m
         Site elevations (MSL):   121.9 m     46.0 m

Az 176.0    3.200 kW   24.00 km   74.36 dBu (net received field)
     Free-space field:  84.37  Computed transmission loss: 10.01
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    241 points;  .100 km interval; Delta-H:    90.6 m
     Effective antenna heights:   200.3 m     14.9 m
         Site elevations (MSL):   121.9 m     46.0 m
```

```
Az 176.0    3.200 kW   24.50 km   72.59 dBu (net received field)
      Free-space field:  84.19  Computed transmission loss: 11.60
      Line-of-sight path
      Profile:    246 points;  .100 km interval; Delta-H:    93.0 m
      Effective antenna heights:   188.5 m      9.1 m
          Site elevations (MSL):   121.9 m     46.2 m

 Az 176.0    3.200 kW   25.00 km   72.10 dBu (net received field)
      Free-space field:  84.01  Computed transmission loss: 11.91
      Line-of-sight path
      Profile:    251 points;  .100 km interval; Delta-H:    93.1 m
      Effective antenna heights:   187.0 m      9.1 m
          Site elevations (MSL):   121.9 m     42.5 m

 Az 178.0    3.200 kW   16.00 km   79.77 dBu (net received field)
      Free-space field:  87.89  Computed transmission loss:  8.12
      Single-horizon path
      Dominant mode:  Diffraction
      Profile:    161 points;  .100 km interval; Delta-H:   105.9 m
      Effective antenna heights:   191.5 m     11.9 m
          Site elevations (MSL):   121.9 m     73.1 m

 Az 178.0    3.200 kW   16.50 km   78.58 dBu (net received field)
      Free-space field:  87.62  Computed transmission loss:  9.04
      Single-horizon path
      Dominant mode:  Diffraction
      Profile:    166 points;  .100 km interval; Delta-H:   104.4 m
      Effective antenna heights:   191.5 m     10.6 m
          Site elevations (MSL):   121.9 m     68.7 m

 Az 178.0    3.200 kW   17.00 km   80.19 dBu (net received field)
      Free-space field:  87.36  Computed transmission loss:  7.18
      Line-of-sight path
      Profile:    171 points;  .100 km interval; Delta-H:    99.5 m
      Effective antenna heights:   194.4 m      9.9 m
          Site elevations (MSL):   121.9 m     82.5 m

 Az 178.0    3.200 kW   17.50 km   79.14 dBu (net received field)
      Free-space field:  87.11  Computed transmission loss:  7.97
      Line-of-sight path
      Profile:    176 points;  .100 km interval; Delta-H:    95.6 m
      Effective antenna heights:   195.3 m      9.1 m
          Site elevations (MSL):   121.9 m     76.1 m

 Az 178.0    3.200 kW   18.00 km   78.63 dBu (net received field)
      Free-space field:  86.87  Computed transmission loss:  8.24
      Line-of-sight path
      Profile:    181 points;  .100 km interval; Delta-H:    95.7 m
      Effective antenna heights:   194.9 m      9.1 m
          Site elevations (MSL):   121.9 m     77.0 m
```

```
Az 178.0    3.200 kW   18.50 km   78.22 dBu (net received field)
     Free-space field:  86.63  Computed transmission loss:  8.41
     Line-of-sight path
     Profile:    186 points;  .100 km interval; Delta-H:    89.9 m
     Effective antenna heights:   195.4 m      9.1 m
         Site elevations (MSL):   121.9 m     80.1 m

Az 178.0    3.200 kW   19.00 km   78.94 dBu (net received field)
     Free-space field:  86.40  Computed transmission loss:  7.45
     Line-of-sight path
     Profile:    191 points;  .100 km interval; Delta-H:    88.5 m
     Effective antenna heights:   196.1 m     10.6 m
         Site elevations (MSL):   121.9 m     84.2 m

Az 178.0    3.200 kW   19.50 km   78.67 dBu (net received field)
     Free-space field:  86.17  Computed transmission loss:  7.50
     Line-of-sight path
     Profile:    196 points;  .100 km interval; Delta-H:    86.9 m
     Effective antenna heights:   196.2 m     10.8 m
         Site elevations (MSL):   121.9 m     85.0 m

Az 178.0    3.200 kW   20.00 km   76.91 dBu (net received field)
     Free-space field:  85.95  Computed transmission loss:  9.04
     Line-of-sight path
     Profile:    201 points;  .100 km interval; Delta-H:    84.2 m
     Effective antenna heights:   196.2 m      9.1 m
         Site elevations (MSL):   121.9 m     79.8 m

Az 178.0    3.200 kW   20.50 km   76.49 dBu (net received field)
     Free-space field:  85.74  Computed transmission loss:  9.25
     Line-of-sight path
     Profile:    206 points;  .100 km interval; Delta-H:    80.8 m
     Effective antenna heights:   196.4 m      9.1 m
         Site elevations (MSL):   121.9 m     77.0 m

Az 178.0    3.200 kW   21.00 km   76.04 dBu (net received field)
     Free-space field:  85.53  Computed transmission loss:  9.48
     Line-of-sight path
     Profile:    211 points;  .100 km interval; Delta-H:    80.3 m
     Effective antenna heights:   196.4 m      9.1 m
         Site elevations (MSL):   121.9 m     76.3 m

Az 178.0    3.200 kW   21.50 km   75.59 dBu (net received field)
     Free-space field:  85.32  Computed transmission loss:  9.73
     Line-of-sight path
     Profile:    216 points;  .100 km interval; Delta-H:    77.6 m
     Effective antenna heights:   195.9 m      9.1 m
         Site elevations (MSL):   121.9 m     76.0 m
```

```
Az 178.0    3.200 kW   22.00 km   75.13 dBu (net received field)
     Free-space field:  85.12  Computed transmission loss:  9.99
     Line-of-sight path
     Profile:    221 points;  .100 km interval; Delta-H:    77.1 m
     Effective antenna heights:   195.3 m      9.1 m
         Site elevations (MSL):   121.9 m     65.9 m

Az 178.0    3.200 kW   22.50 km   74.64 dBu (net received field)
     Free-space field:  84.93  Computed transmission loss: 10.29
     Line-of-sight path
     Profile:    226 points;  .100 km interval; Delta-H:    77.5 m
     Effective antenna heights:   194.1 m      9.1 m
         Site elevations (MSL):   121.9 m     61.0 m

Az 178.0    3.200 kW   23.00 km   74.15 dBu (net received field)
     Free-space field:  84.74  Computed transmission loss: 10.58
     Line-of-sight path
     Profile:    231 points;  .100 km interval; Delta-H:    77.6 m
     Effective antenna heights:   192.9 m      9.1 m
         Site elevations (MSL):   121.9 m     61.4 m

Az 178.0    3.200 kW   23.50 km   73.70 dBu (net received field)
     Free-space field:  84.55  Computed transmission loss: 10.85
     Line-of-sight path
     Profile:    236 points;  .100 km interval; Delta-H:    73.4 m
     Effective antenna heights:   191.9 m      9.1 m
         Site elevations (MSL):   121.9 m     61.0 m

Az 178.0    3.200 kW   24.00 km   73.22 dBu (net received field)
     Free-space field:  84.37  Computed transmission loss: 11.15
     Line-of-sight path
     Profile:    241 points;  .100 km interval; Delta-H:    74.6 m
     Effective antenna heights:   190.8 m      9.1 m
         Site elevations (MSL):   121.9 m     56.7 m

Az 178.0    3.200 kW   24.50 km   72.75 dBu (net received field)
     Free-space field:  84.19  Computed transmission loss: 11.44
     Line-of-sight path
     Profile:    246 points;  .100 km interval; Delta-H:    74.5 m
     Effective antenna heights:   189.7 m      9.1 m
         Site elevations (MSL):   121.9 m     54.4 m

Az 178.0    3.200 kW   25.00 km   72.28 dBu (net received field)
     Free-space field:  84.01  Computed transmission loss: 11.73
     Line-of-sight path
     Profile:    251 points;  .100 km interval; Delta-H:    74.7 m
     Effective antenna heights:   188.5 m      9.1 m
         Site elevations (MSL):   121.9 m     52.0 m
```

```
Az 180.0    3.200 kW   16.00 km   77.29 dBu (net received field)
     Free-space field:  87.89  Computed transmission loss: 10.60
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    161 points;  .100 km interval; Delta-H:   110.8 m
     Effective antenna heights:   180.3 m      9.1 m
         Site elevations (MSL):   121.9 m     68.5 m

Az 180.0    3.200 kW   16.50 km   86.05 dBu (net received field)
     Free-space field:  87.62  Computed transmission loss:  1.57
     Line-of-sight path
     Profile:    166 points;  .100 km interval; Delta-H:   103.4 m
     Effective antenna heights:   193.1 m     22.6 m
         Site elevations (MSL):   121.9 m     87.8 m

Az 180.0    3.200 kW   17.00 km   86.95 dBu (net received field)
     Free-space field:  87.36  Computed transmission loss:   .41
     Line-of-sight path
     Profile:    171 points;  .100 km interval; Delta-H:    96.1 m
     Effective antenna heights:   194.3 m     26.1 m
         Site elevations (MSL):   121.9 m     93.4 m

Az 180.0    3.200 kW   17.50 km   84.46 dBu (net received field)
     Free-space field:  87.11  Computed transmission loss:  2.65
     Line-of-sight path
     Profile:    176 points;  .100 km interval; Delta-H:    93.3 m
     Effective antenna heights:   196.7 m     19.7 m
         Site elevations (MSL):   121.9 m     89.6 m

Az 180.0    3.200 kW   18.00 km   80.58 dBu (net received field)
     Free-space field:  86.87  Computed transmission loss:  6.29
     Line-of-sight path
     Profile:    181 points;  .100 km interval; Delta-H:    89.4 m
     Effective antenna heights:   197.2 m     11.6 m
         Site elevations (MSL):   121.9 m     82.7 m

Az 180.0    3.200 kW   18.50 km   80.98 dBu (net received field)
     Free-space field:  86.63  Computed transmission loss:  5.65
     Line-of-sight path
     Profile:    186 points;  .100 km interval; Delta-H:    81.7 m
     Effective antenna heights:   198.4 m     12.7 m
         Site elevations (MSL):   121.9 m     84.9 m

Az 180.0    3.200 kW   19.00 km   78.02 dBu (net received field)
     Free-space field:  86.40  Computed transmission loss:  8.38
     Line-of-sight path
     Profile:    191 points;  .100 km interval; Delta-H:    78.2 m
     Effective antenna heights:   199.4 m      9.1 m
         Site elevations (MSL):   121.9 m     79.1 m
```

```
Az 180.0    3.200 kW   19.50 km   77.54 dBu (net received field)
     Free-space field:  86.17  Computed transmission loss:  8.64
     Line-of-sight path
     Profile:    196 points;  .100 km interval; Delta-H:    78.7 m
     Effective antenna heights:   199.1 m      9.1 m
         Site elevations (MSL):   121.9 m     80.4 m

Az 180.0    3.200 kW   20.00 km   77.11 dBu (net received field)
     Free-space field:  85.95  Computed transmission loss:  8.84
     Line-of-sight path
     Profile:    201 points;  .100 km interval; Delta-H:    72.7 m
     Effective antenna heights:   199.1 m      9.1 m
         Site elevations (MSL):   121.9 m     82.3 m

Az 180.0    3.200 kW   20.50 km   76.69 dBu (net received field)
     Free-space field:  85.74  Computed transmission loss:  9.05
     Line-of-sight path
     Profile:    206 points;  .100 km interval; Delta-H:    72.4 m
     Effective antenna heights:   199.6 m      9.1 m
         Site elevations (MSL):   121.9 m     77.2 m

Az 180.0    3.200 kW   21.00 km   76.26 dBu (net received field)
     Free-space field:  85.53  Computed transmission loss:  9.27
     Line-of-sight path
     Profile:    211 points;  .100 km interval; Delta-H:    70.5 m
     Effective antenna heights:   199.8 m      9.1 m
         Site elevations (MSL):   121.9 m     76.0 m

Az 180.0    3.200 kW   21.50 km   75.81 dBu (net received field)
     Free-space field:  85.32  Computed transmission loss:  9.51
     Line-of-sight path
     Profile:    216 points;  .100 km interval; Delta-H:    68.3 m
     Effective antenna heights:   199.3 m      9.1 m
         Site elevations (MSL):   121.9 m     76.4 m

Az 180.0    3.200 kW   22.00 km   75.37 dBu (net received field)
     Free-space field:  85.12  Computed transmission loss:  9.76
     Line-of-sight path
     Profile:    221 points;  .100 km interval; Delta-H:    66.2 m
     Effective antenna heights:   198.9 m      9.1 m
         Site elevations (MSL):   121.9 m     76.0 m

Az 180.0    3.200 kW   22.50 km   74.93 dBu (net received field)
     Free-space field:  84.93  Computed transmission loss: 10.00
     Line-of-sight path
     Profile:    226 points;  .100 km interval; Delta-H:    64.0 m
     Effective antenna heights:   198.5 m      9.1 m
         Site elevations (MSL):   121.9 m     75.3 m
```

```
Az 180.0    3.200 kW   23.00 km   74.48 dBu (net received field)
     Free-space field:  84.74  Computed transmission loss: 10.26
     Line-of-sight path
     Profile:    231 points;  .100 km interval; Delta-H:    63.3 m
     Effective antenna heights:   197.9 m      9.1 m
         Site elevations (MSL):   121.9 m     69.6 m

Az 180.0    3.200 kW   23.50 km   74.01 dBu (net received field)
     Free-space field:  84.55  Computed transmission loss: 10.54
     Line-of-sight path
     Profile:    236 points;  .100 km interval; Delta-H:    65.2 m
     Effective antenna heights:   197.1 m      9.1 m
         Site elevations (MSL):   121.9 m     62.7 m

Az 180.0    3.200 kW   24.00 km   73.53 dBu (net received field)
     Free-space field:  84.37  Computed transmission loss: 10.84
     Line-of-sight path
     Profile:    241 points;  .100 km interval; Delta-H:    66.5 m
     Effective antenna heights:   195.9 m      9.1 m
         Site elevations (MSL):   121.9 m     57.6 m

Az 180.0    3.200 kW   24.50 km   71.28 dBu (net received field)
     Free-space field:  84.19  Computed transmission loss: 12.91
     Single-horizon path
     Dominant mode:  Diffraction
     Profile:    246 points;  .100 km interval; Delta-H:    68.1 m
     Effective antenna heights:   200.3 m      9.9 m
         Site elevations (MSL):   121.9 m     51.9 m

Az 180.0    3.200 kW   25.00 km   72.55 dBu (net received field)
     Free-space field:  84.01  Computed transmission loss: 11.46
     Line-of-sight path
     Profile:    251 points;  .100 km interval; Delta-H:    70.7 m
     Effective antenna heights:   193.2 m      9.1 m
         Site elevations (MSL):   121.9 m     51.4 m
```