01-111
RM-10314

Federal Communications Commission
Washington, D.C. 20554

Approved by OMB
3060-0027 (May 1999)

FOR FCC USE ONLY

FCC 301

APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

Read INSTRUCTIONS Before Filling Out Form

FOR COMMISSION USE ONLY
FILE NO.
BMPH - 20010522AAD

Section I - General Information

1. Legal Name of the Applicant
TEL-DODGE BROADCASTING CO.

Mailing Address
P.O. BOX 2639

City	State or Country (if foreign address)	ZIP Code
GULFPORT	MS	39505 -

Telephone Number (include area code)	E-Mail Address (if available)
2288965500	

	Call Sign	Facility Identifier
	WMCG	64757

2. Contact Representative (if other than applicant)
LAWRENCE J. BERNARD

Firm or Company Name
LAW OFFICES

Telephone Number (include area code)
2022378215

E-Mail Address (if available)

3. If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114):
○ Governmental Entity ○ Other

4. **Application Purpose**

○ New station
○ Major Change in licensed facility
○ Minor Change in licensed facility
○ Major Modification of construction permit
● Minor Modification of construction permit
○ Major Amendment to pending application
○ Minor Amendment to pending application

(a) File number of original construction permit: BPH-19920206IG ☐ NA

(b) Service Type: ○ AM ● FM ○ TV ○ DTV

(c) Community of License:
City: MILAN State: GA

(d) Facility Type ● Main ○ Auxiliary

If an amendment, **submit as an Exhibit** a listing by Section and Question Number the portions of the pending application that are being revised. [Exhibit 1]

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be

submitted for each question for which a "No" response is provided.

Section II - Legal

1.	**Certification.** Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets.	◉ Yes ○ No
2.	**Parties to the Application.** a. List the applicant, and, if other than a natural person, its officers, directors, stockholders with attributable interests, non-insulated partners and/or members. If a corporation or partnership holds an attributable interest in the applicant, list separately its officers, directors, stockholders with attributable interests, non-insulated partners and/or members. Create a separate row for each individual or entity. Attach additional pages if necessary. (1)Name and address of the applicant and, if applicable, its officers, directors, stockholders, or partners (if other than individual also show name, address and citizenship of natural person authorized to vote the stock). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and partners. (2)Citizenship. (3)Positional Interest: Officer, director, general partner, limited partner, LLC member, etc (4)Percentage of votes. (5)Percentage of equity. [Enter Parties/Owners Information]	
	b. Applicant certifies that equity interests not set forth above are non-attributable.	○ Yes ○ No ○ N/A See Explanation in [Exhibit 2]
3.	**Other Authorizations.** List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest.	☐ N/A [Exhibit 3]
4.	**Multiple Ownership.** a. Applicant certifies that the proposed facility: 1. complies with the Commission's multiple and cross-ownership rules; 2. does not present an issue under the Commission's cross-interest policy; 3. does not present an issue under the Commission's policies relating to media interests of immediate family members; 4. complies with the Commission's policies relating to future ownership interests; and 5. complies with the Commission's restrictions relating to the insulation and non-participation of non-party investors and creditors.	○ Yes ○ No See Explanation in [Exhibit 4]
	b. Radio Applicants Only. If the grant of the application would result in certain principal community service contour overlaps, see Local Radio Ownership Worksheet, Question 1, applicant certifies that all relevant information has been placed in public inspection file(s) and submitted to the Commission.	○ Yes ○ No ○ N/A See Explanation in [Exhibit 5]
5.	**Character Issues.** Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with: a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or b. any pending broadcast application in which character issues have been raised.	○ Yes ○ No See Explanation in [Exhibit 6]

6.	**Adverse Findings.** Applicant certifies that, with respect to the applicant and any party to the application, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to any of the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another government unit; or discrimination.	○ Yes ○ No See Explanation in [Exhibit 7]
7.	**Alien Ownership and Control.** Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.	○ Yes ○ No See Explanation in [Exhibit 8]
8.	**Program Service Certification.** Applicant certifies that it is cognizant of and will comply with its obligations as a commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.	○ Yes ○ No
9.	**Local Public Notice.** Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.	○ Yes ○ No
10.	**Auction Authorization.** If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable. **An exhibit is required unless** this question is inapplicable.	○ Yes ○ No ○ N/A [Exhibit 9]
11.	**Anti-Drug Abuse Act Certification.** Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.	◉ Yes ○ No

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing J. MORGAN DOWDY	Typed or Printed Title of Person Signing PRESIDENT
Signature	Date 05/22/2001

Section III-B - FM Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1.	Channel Number: 285	
2.	Class (select one): ○ A ○ B1 ○ B ○ C3 ◉ C2 ○ C1 ○ C0 ○ C ○ D	
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 32 Minutes 22 Seconds 59 ◉ North ○ South Longitude: Degrees 83 Minutes 7 Seconds 8 ◉ West ○ East	
4.	One Step Proposal Allotment Coordinates: (NAD 27) ☑ Not Applicable Latitude: Degrees Minutes Seconds ○ North ○ South Longitude: Degrees Minutes Seconds ○ West ○ East	
5.	Antenna Structure Registration Number: Tower 1220512 @ 138meter: ☐ Not Applicable ☑ Notification filed with FAA	
6.	Antenna Location Site Elevation Above Mean Sea Level:	119 meters
7.	Overall Tower Height Above Ground Level:	182 meters
8.	Height of Radiation Center Above Ground Level:	166 meters(H) 166 meters(V)
9.	Height of Radiation Center Above Average Terrain:	190 meters(H) 190 meters(V)
10.	Effective Radiated Power:	31 kW(H) 31 kW(V)
11.	Maximum Effective Radiated Power: ☑ Not Applicable (Beam-Tilt Antenna ONLY)	kW(H) kW(V)
12.	Directional Antenna Relative Field Values: ☑ Not applicable (Nondirectional) Rotation (Degrees): ☐ No Rotation	

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0		60		120		180		240		300	
10		70		130		190		250		310	
20		80		140		200		260		320	
30		90		150		210		270		330	
40		100		160		220		280		340	
50		110		170		230		290		350	
Additional Azimuths											

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

CERTIFICATION

AUXILIARY ANTENNA APPLICANTS ARE NOT REQUIRED TO RESPOND TO ITEMS 13-16. PROCEED TO ITEM 17.

13.	**Allotment.** The proposed facility complies with the allotment requirements of 47 C.F.R. Section 73.203.	◉ Yes ○ No See Explanation in [Exhibit 21]
14.	**Community Coverage.** The proposed facility complies with 47 C.F.R. Section 73.315.	○ Yes ◉ No See Explanation in [Exhibit 22]
15.	**Main Studio Location.** The proposed main studio location complies with 47 C.F.R. Section 73.1125.	◉ Yes ○ No See Explanation in [Exhibit 23]
16.	**Interference.** The proposed facility complies with all of the following applicable rule sections: Check all those that apply: **Separation Requirements.** ☐ a) 47 C.F.R. Section 73.207 **Grandfathered Short-Spaced.** ☐ b) 47 C.F.R. Section 73.213(a) with respect to station(s): [Exhibit 25] **Exhibit required** ☐ c) 47 C.F.R. Section 73.213(b) with respect to station(s): [Exhibit 26] **Exhibit required** ☐ d) 47 C.F.R. Section 73.213(c) with respect to station(s): [Exhibit 27] **Exhibit required.** **Contour Protection** ☐ e) 47 C.F.R. Section 73.215 with respect to station(s): [Exhibit 28] **Exhibit required.**	○ Yes ◉ No See Explanation in [Exhibit 24]
17.	**Environmental Protection Act.** The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an **Exhibit is required.** By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.	◉ Yes ○ No See Explanation in [Exhibit 29]

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name WILLIAM A. CULPEPPER	Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature	Date 05/21/2001	
Mailing Address 900 JEFFERSON DRIVE		
City CHARLOTTE	State or Country (if foreign address) NC	Zip Code 28270 -
Telephone Number (include area code) 7043659995	E-Mail Address (if available) CULPEPPER@EARTHLINK.NET	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Exhibits

Attachment 22

Description	Type
Text covering description and demonstration of principal community coverage	Adobe Acrobat File
Tabulation of Distance vs Field Strength by the Longley-Rice Method	Adobe Acrobat File
Map of the Proposed WMCG Site and Coverage of Milan by the Longley-Rice Method	Adobe Acrobat File
Milan and the F(50,50) 70 dBu contour	Adobe Acrobat File
The Milan Boundary and 70 dBu Coverage by the Longley-Rice Method	Adobe Acrobat File

Exhibit 24
Description: TEXT - POSSIBLE MUTUAL EXCLUSIVITY

A PETITION FOR RULE MAKING TO ALLOT CHANNEL 287C3 TO ALAMO, GEORGIA WAS FILED ON MARCH 7, 2001. IF A NOTICE OF PROPOSED RULE MAKING IS ISSUED, THIS APPLICATION MIGHT BE MUTUALLY EXCLUSIVE WITH THAT PETITION.

THIS APPLICATION OTHERWISE MEETS THE REQUIREMENTS OF 73.207.

Attachment 29

Description	Type
STATEMENT REGARDING THE DETERMINATION OF THE RF POWER DENSITY TWO METERS ABOVE GROUND LEVEL	Adobe Acrobat File

TEL-DODGE BROADCASTING COMPANY, INC.

MILAN, GEORGIA

PRINCIPAL COMMUNITY COVERAGE

BY THE LONGLEY-RICE METHOD

Figure 1 is a map showing the Milan boundary and the coverage as determined by the Longley-Rice method of propagation analysis. Figure 2 shows the proposed transmitter site, the Milan boundary and the coverage by Longley-Rice. (The Longley-Rice calculations are shown only from 169.0 degrees to 176.0 degrees from the transmitter.)

The portion of the area of Milan receiving 70 dBu or more signal strength was measured on Figure 1 by planimeter. The area receiving 70 dBu or greater signal strength is 94.6 per cent.

Figure 3 shows the coverage of Milan as calculated by the F(50,50) method to be zero.

A tabulation of the results of the Longley-Rice analysis is shown on pages 1 through 15 of the attachment. Calculations were made at one-half degree increments of azimuth and at one-tenth kilometer. Each line of the tabulation represents one kilometer. The increment across each line is one-tenth kilometer. Signal levels are in dBu. The program was set for 50 per cent time and 50 per cent location. The antenna RC AMSL was set to 284.9 meters.

If a waiver is required to use this alternate method of principal community coverage calculation, it is hereby requested.

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m; Tx Antenna RC 284.5 m AMSL; Rx Antenna 9.1 m AGL
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 169.000 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0		141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.2	108.0
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	105.1
7	104.8	104.1	103.5	102.3	101.9	101.7	101.5	101.4	101.2	101.1
8	100.9	100.8	100.6	100.4	100.2	100.0	99.9	99.7	99.5	99.3
9	99.2	99.2	99.0	98.8	98.7	98.5	98.3	98.2	98.0	97.8
10	97.7	97.5	97.5	97.3	97.2	97.0	96.8	96.6	96.6	96.4
	96.3	96.1	96.0	96.7	97.4	97.9	98.4	99.2	99.5	99.6
	100.1	100.2	100.1	100.0	100.0	99.9	99.8	99.8	99.7	99.5
	99.3	99.1	98.8	99.1	98.9	99.0	98.9	99.0	98.8	99.0
	98.7	98.8	98.8	98.7	98.7	98.6	98.5	98.5	98.4	98.4
15	98.3	98.3	98.2	98.1	98.1	98.0	98.0	97.9	97.7	97.4
	97.1	96.8	96.2	95.7	95.5	95.0	94.4	93.9	93.7	93.2
	92.3	91.5	90.6	89.7	89.3	89.2	89.1	89.0	88.9	88.8
	88.7	88.7	88.5	88.5	88.3	88.2	88.1	88.0	88.0	87.8
	87.8	87.7	87.6	87.5	87.4	87.2	87.2	87.0	87.0	86.9
20	86.8	86.7	86.6	86.5	86.4	86.3	86.3	86.1	86.1	85.9
	85.9	85.7	85.7	85.6	85.4	85.4	85.2	85.2	85.1	84.9
	84.9	84.7	84.7	84.6	84.5	84.4	84.4	84.2	84.1	84.0
	84.0	83.9	83.7	83.7	83.5	83.5	83.4	83.3	83.2	83.8
	84.5	85.2	85.2	85.8	85.7	86.3	85.4	84.6	83.6	82.7
25	82.3	82.2	82.1	82.0	81.9	81.8	81.8	81.6	81.6	81.5
	81.4	81.3	81.3	81.1	81.1	81.0	80.9	80.8	80.8	80.6
	80.6	80.5	80.4	80.3	80.3	80.1	80.1	80.0	80.0	79.8
	79.8	79.7	79.6	79.5	79.5	79.3	79.3	79.2	79.1	79.0
	79.0	78.9	76.1	77.5	78.7	78.5	78.4	78.3	78.2	78.1
30	78.1	78.0	77.9	77.8	77.8	77.6	77.5	77.5	77.4	77.3
	77.2	77.2	77.1	77.0	76.9	76.9	76.7	76.7	76.6	77.5
	78.3	78.3	76.5	76.2	76.2	76.1	76.1	75.9	75.9	73.7
	72.8	74.0	76.5	75.5	75.5	75.3	75.3	75.2	75.2	75.0
	74.9	74.9	74.8	74.7	74.7	74.6	74.9	75.7	76.6	78.1
35	78.8	79.6	80.3	81.0	81.3	81.9	82.1	82.7	83.0	83.1
	83.0	83.0	83.2	83.0	82.9	83.2	83.1	82.9	82.8	82.4
	81.6	81.1	80.3	79.9	79.5	79.0	78.1	70.7	70.4	71.5
	72.2	71.4	70.7	70.0	69.4	68.9	68.5	69.4	68.8	69.3
	69.9	70.4	69.7	70.0	70.3	69.6	69.9	69.2	67.1	66.8
40	66.6	66.4	66.0	65.9	65.7	65.6	65.6	66.2	66.8	68.4
	69.4	69.6	70.2	70.3	71.0	71.5	71.5	72.0	72.4	72.8
	73.2	70.8	71.7	73.2	73.9	73.9	73.0	72.3	71.5	70.7
	69.8	69.7	68.9	68.5	68.8	68.8	68.6	68.6	68.6	68.5
	68.5									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 169.50 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.2	108.0
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	105.1
7	104.4	103.5	102.8	102.1	101.9	101.7	101.5	101.4	101.2	101.1
8	100.9	100.8	100.6	100.4	100.2	100.0	99.9	99.7	99.5	99.4
9	99.2	99.2	99.0	98.8	98.7	98.5	98.3	98.2	98.0	97.8
10	97.6	97.5	97.4	97.3	97.1	96.9	96.8	96.6	96.5	96.4
	96.2	96.1	95.9	96.5	97.2	97.8	98.7	99.1	99.4	99.9
	100.0	100.2	100.1	100.0	100.0	99.9	99.8	99.8	99.7	99.6
	99.5	99.3	99.1	99.0	99.1	98.9	99.1	98.8	98.9	98.8
	98.9	98.8	98.8	98.7	98.7	98.6	98.5	98.5	98.4	98.4
15	98.3	98.3	98.2	98.1	98.1	98.0	98.0	97.9	97.7	97.4
	97.2	96.9	96.3	96.1	95.5	95.4	94.8	94.3	94.1	93.6
	92.9	91.5	90.6	89.7	89.2	89.2	89.1	89.0	88.9	88.8
	88.7	88.6	88.5	88.4	88.3	88.2	88.0	88.0	88.0	87.8
	87.8	87.6	87.6	87.4	87.3	87.2	87.1	87.0	86.9	86.9
20	86.7	86.7	86.5	86.4	86.3	86.2	86.2	86.0	86.0	85.8
	85.8	85.6	85.6	85.5	85.3	85.3	85.1	85.1	85.0	84.8
	84.8	84.6	84.6	84.5	84.4	84.3	84.2	84.1	84.0	83.9
	83.8	83.8	83.6	83.6	83.4	83.4	83.3	83.2	83.1	83.2
	83.9	84.7	85.4	86.0	86.6	86.5	86.4	85.6	84.7	84.7
25	83.8	82.8	82.0	81.9	81.8	81.7	81.7	81.5	81.5	81.5
	81.3	81.3	81.2	81.1	81.0	81.0	80.8	80.8	80.7	80.6
	80.5	80.5	80.3	80.3	80.2	80.1	80.0	80.0	79.9	79.8
	79.7	79.7	79.5	79.5	79.4	79.3	79.2	79.2	79.0	79.0
	76.5	75.7	76.1	77.7	78.8	79.3	79.6	79.8	78.1	78.1
30	78.0	78.0	77.8	77.8	77.7	77.5	77.5	77.4	77.4	77.2
	77.2	77.1	77.1	76.9	76.9	76.8	76.7	76.6	76.6	76.5
	77.1	76.3	76.3	76.1	76.1	76.0	76.0	75.9	75.8	75.7
	75.7	75.5	75.5	75.4	75.4	75.2	75.2	75.2	75.1	74.9
	74.9	74.9	74.8	74.7	75.0	76.0	76.8	77.5	78.3	79.4
35	79.7	80.4	81.1	81.8	82.4	82.5	83.1	83.7	83.9	83.7
	83.6	83.5	83.4	83.2	83.1	83.0	82.9	83.1	82.3	81.6
	81.1	80.3	79.5	79.1	70.4	70.2	68.7	68.9	70.3	71.3
	71.8	72.2	72.4	72.5	72.5	72.5	71.5	71.2	70.3	69.3
	69.6	69.9	69.1	69.3	69.6	69.9	70.1	68.9	67.9	67.4
40	67.0	66.8	66.4	66.2	65.9	65.9	66.1	66.2	67.6	69.0
	70.0	70.1	70.7	71.4	71.9	71.8	72.3	72.0	71.9	71.7
	71.7	72.4	72.4	73.1	73.1	72.3	70.6	69.7	68.0	65.9
	65.7	65.5	65.4	66.7	65.1	65.1	64.9	64.9	64.9	64.9
	64.9									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 170.000 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.2	108.0
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	105.0
7	104.0	102.9	102.2	102.1	101.9	101.7	101.5	101.4	101.2	101.0
8	100.9	100.8	100.6	100.4	100.2	100.0	99.8	99.6	99.5	99.3
9	99.2	99.1	98.9	98.7	98.6	98.4	98.2	98.1	97.9	97.7
10	97.6	97.4	97.3	97.2	97.0	96.9	96.7	96.5	96.5	96.3
	96.2	96.0	95.9	96.1	96.8	98.0	98.5	98.9	99.1	99.7
	99.8	100.1	100.1	100.0	100.0	99.9	99.8	99.8	99.7	99.5
	99.6	99.5	99.3	99.1	99.3	99.0	98.9	99.0	98.8	99.0
	98.7	98.8	98.8	98.7	98.7	98.6	98.5	98.5	98.4	98.4
15	98.3	98.3	98.2	98.1	98.1	98.0	98.0	97.9	97.8	97.5
	97.3	97.0	96.4	96.2	96.0	95.5	95.2	94.7	94.5	94.0
	93.3	92.2	91.3	89.7	89.2	89.2	89.1	89.0	88.8	88.8
	88.7	88.6	88.5	88.4	88.2	88.2	88.0	88.0	87.9	87.8
	87.7	87.6	87.5	87.4	87.3	87.2	87.1	86.9	86.9	86.8
20	86.7	86.6	86.4	86.4	86.2	86.2	86.1	85.9	85.9	85.7
	85.7	85.5	85.4	85.4	85.2	85.2	85.0	85.0	84.9	84.7
	84.7	84.5	84.5	84.4	84.2	84.2	84.1	83.9	83.9	83.7
	83.7	83.6	83.5	83.4	83.3	83.2	83.2	83.0	83.1	84.0
	84.7	86.1	86.7	86.9	87.3	87.2	87.0	87.0	86.8	86.3
25	86.3	85.6	84.9	84.8	83.9	83.9	83.8	82.9	82.9	82.8
	82.7	81.8	81.8	81.7	80.9	80.9	80.7	80.7	80.7	80.5
	80.4	80.4	80.2	80.2	80.2	80.0	80.0	79.9	79.9	79.7
	79.7	79.6	79.5	79.4	79.4	79.2	79.2	79.1	79.0	76.1
	76.5	75.6	76.2	77.6	78.6	79.0	79.4	79.6	79.6	79.6
30	78.0	77.9	77.8	77.7	77.7	77.5	77.5	77.4	77.4	77.2
	77.1	77.1	77.1	76.9	76.8	76.8	76.7	76.6	76.6	76.5
	76.4	76.3	76.3	76.1	76.1	76.0	76.0	75.8	75.8	75.7
	75.7	75.5	75.5	75.4	75.4	75.2	75.2	75.1	75.1	75.6
	76.5	76.6	77.4	77.3	78.1	78.8	79.3	79.2	79.6	80.4
35	80.7	81.3	81.6	82.2	82.5	83.0	83.5	83.7	84.0	83.8
	83.7	83.6	83.5	83.3	83.2	83.1	83.0	82.5	81.7	80.9
	80.2	79.3	71.1	69.6	68.5	67.7	68.4	70.0	71.8	73.2
	73.2	74.1	74.1	73.9	74.5	76.5	72.6	70.2	69.1	68.3
	67.9	67.7	67.5	67.2	67.0	67.0	66.9	66.9	66.6	66.7
40	66.5	66.5	66.3	66.1	66.0	66.3	68.8	69.8	70.6	71.3
	72.5	73.0	73.3	73.2	73.1	73.1	73.1	73.0	73.0	73.0
	72.9	72.8	72.8	72.8	72.0	71.2	69.3	69.2	66.1	65.9
	65.6	65.4	65.2	65.1	65.1	65.1	64.9	64.9	64.9	64.9
	64.9									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 170.500 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.2	108.0
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	105.0
7	104.0	102.8	102.3	102.1	101.9	101.7	101.4	101.3	101.1	101.0
8	100.8	100.7	100.5	100.3	100.1	99.9	99.8	99.6	99.4	99.3
9	99.2	99.0	98.9	98.7	98.5	98.4	98.2	98.0	97.9	97.7
10	97.5	97.4	97.3	97.2	97.0	96.9	96.7	96.5	96.5	96.3
	96.2	96.0	95.8	95.8	96.9	97.5	98.0	98.5	99.1	99.4
	99.5	100.1	100.1	100.0	100.0	99.9	99.8	99.8	99.7	99.6
	99.5	99.5	99.3	99.2	99.0	99.1	99.0	98.7	98.8	98.7
	98.4	98.5	98.7	98.7	98.7	98.6	98.5	98.5	98.4	98.4
15	98.3	98.3	98.2	98.1	98.1	98.0	98.0	97.9	97.9	97.7
	97.5	97.2	96.9	96.7	96.1	96.0	95.7	95.2	95.0	94.5
	93.4	92.4	91.5	89.9	89.2	89.2	89.0	89.0	88.8	88.8
	88.6	88.6	88.4	88.4	88.2	88.2	88.0	87.9	87.9	87.7
	87.7	87.5	87.5	87.3	87.2	87.1	87.0	86.8	86.8	86.7
20	86.6	86.5	86.3	86.3	86.1	86.0	86.0	85.8	85.7	85.6
	85.5	85.4	85.3	85.2	85.1	85.0	84.9	84.8	84.7	84.6
	84.5	84.4	84.3	84.3	84.1	84.0	84.0	83.8	83.8	83.6
	83.5	83.5	83.3	83.3	83.1	83.1	83.0	82.9	82.8	83.6
	85.1	86.5	87.3	87.5	88.2	88.1	87.9	87.9	87.7	88.0
25	87.9	87.4	87.3	87.2	87.1	86.6	86.6	86.4	86.3	85.9
	85.7	85.7	85.6	85.0	84.3	83.6	82.7	81.8	80.9	80.4
	80.4	80.3	80.2	80.1	80.1	79.9	79.9	79.9	79.8	79.7
	79.6	79.6	79.4	79.4	79.3	79.2	79.1	79.1	76.0	75.9
	75.6	75.6	76.9	75.2	75.2	75.1	75.8	76.6	78.0	78.0
30	77.9	77.9	77.7	77.7	77.6	77.5	77.4	77.4	77.3	77.2
	77.1	77.1	77.0	76.9	76.8	76.8	76.6	76.6	76.5	76.5
	76.3	76.3	76.2	76.1	76.0	76.0	75.9	75.8	75.7	75.7
	75.6	75.5	75.4	75.4	75.4	76.0	76.9	77.8	78.5	79.1
	79.1	79.7	79.6	79.9	79.9	80.3	80.6	80.4	80.8	81.1
35	81.8	82.0	82.2	82.8	83.1	83.2	83.8	84.0	83.9	83.7
	83.6	83.5	83.4	83.2	83.1	83.0	82.9	81.7	81.0	80.2
	79.4	69.7	68.4	67.6	67.1	66.6	67.2	69.6	70.4	70.9
	72.0	72.9	72.9	73.6	74.2	73.9	72.5	71.2	69.9	67.8
	67.4	67.2	66.8	66.3	66.0	66.0	66.1	66.1	66.1	66.1
40	66.2	66.8	67.2	66.6	68.1	69.2	69.9	71.2	71.8	72.3
	73.3	73.7	72.9	73.6	74.3	74.3	74.3	74.7	74.6	74.6
	74.6	74.9	74.8	74.4	73.1	71.5	70.6	69.2	66.1	67.5
	66.9	65.0	65.0	66.4	67.3	67.9	68.2	68.5	68.6	68.7
	68.7									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 171.000 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.2	107.9
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.8
7	103.6	102.5	102.3	102.1	101.9	101.7	101.5	101.3	101.2	101.0
8	100.8	100.7	100.5	100.3	100.0	99.9	99.8	99.6	99.4	99.3
9	99.1	99.0	98.9	98.7	98.5	98.4	98.2	98.0	97.9	97.7
10	97.6	97.4	97.3	97.2	97.0	96.9	96.7	96.5	96.5	96.3
	96.2	96.0	95.8	95.8	96.2	96.9	97.5	98.5	98.8	99.0
	99.6	99.9	100.0	99.7	100.0	99.8	99.8	99.8	99.7	99.6
	99.6	99.5	99.4	99.3	99.1	98.9	98.7	98.8	98.6	98.4
	98.5	98.3	98.5	98.6	98.7	98.5	98.5	98.5	98.4	98.4
15	98.3	98.3	98.2	98.1	98.1	98.0	97.9	97.9	97.8	97.5
	97.6	97.3	97.1	97.3	97.0	96.8	96.2	96.0	95.8	95.3
	94.2	93.3	92.1	90.6	89.2	89.2	89.0	89.0	86.5	87.1
	87.4	87.6	87.6	87.6	87.5	87.5	87.3	87.2	86.8	86.6
	86.4	86.2	87.0	86.7	86.5	86.1	85.9	85.6	86.9	86.6
20	86.5	86.4	86.3	86.2	86.0	86.0	85.9	85.7	85.7	85.5
	85.5	85.3	85.2	85.2	85.0	84.9	84.8	84.7	84.7	84.5
	84.4	84.3	84.2	84.2	84.0	83.9	83.9	83.7	83.7	83.5
	83.4	83.4	83.2	83.1	83.0	82.9	82.9	82.7	82.7	84.0
	85.4	86.6	87.4	88.0	88.3	88.6	88.4	88.3	88.5	88.4
25	88.4	88.2	88.1	88.4	87.9	87.8	87.7	87.5	87.5	87.4
	87.2	87.1	87.1	86.6	86.1	85.7	85.1	83.9	83.2	82.3
	80.5	80.3	80.1	80.1	80.0	79.9	79.8	79.8	79.7	79.6
	79.5	79.5	79.3	79.3	79.2	79.1	75.9	75.8	75.4	75.1
	75.0	74.9	74.8	74.8	75.5	76.2	76.9	77.5	77.8	78.2
30	78.5	77.8	77.7	77.6	77.6	77.4	77.3	77.3	77.3	77.1
	77.1	77.0	77.0	76.8	76.8	76.7	76.6	76.5	76.5	76.4
	76.3	76.2	76.2	76.0	76.0	76.0	75.9	75.7	75.7	75.6
	75.6	75.5	75.4	76.1	77.0	78.5	79.8	80.2	80.6	80.5
	80.4	80.4	80.7	80.6	80.5	80.9	80.8	81.1	81.4	81.7
35	82.3	82.5	82.7	83.3	83.6	83.7	83.9	83.9	83.7	83.6
	83.5	83.4	83.3	83.0	82.9	83.2	82.4	81.6	80.5	79.7
	69.9	68.5	66.9	66.4	65.3	65.0	66.9	68.3	69.2	69.9
	70.2	70.6	70.8	71.0	71.0	71.6	71.6	72.2	72.1	71.9
	71.8	71.7	71.6	70.7	70.6	69.0	69.0	69.1	68.0	68.2
40	68.3	67.3	67.4	67.6	67.8	68.4	69.5	69.4	70.2	71.0
	71.6	73.3	74.0	74.6	75.1	75.0	75.4	75.3	75.6	75.6
	75.9	75.8	75.7	74.9	73.9	72.5	70.8	69.9	68.1	66.1
	64.8	63.7	65.4	66.7	67.4	67.9	68.1	68.4	68.5	68.7
	68.7									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 171.50 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.2	108.0
	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.9
	103.4	102.5	102.3	102.1	101.9	101.7	101.5	101.3	101.2	100.9
	100.8	100.7	100.5	100.3	100.0	99.9	99.7	99.5	99.4	99.3
	99.1	99.0	98.9	98.7	98.6	98.4	98.2	98.1	97.9	97.7
	97.6	97.4	97.4	97.2	97.0	96.9	96.7	96.6	96.5	96.3
	96.2	96.0	95.9	95.8	96.1	96.8	97.4	98.0	98.4	98.7
	99.3	99.5	99.7	99.8	99.7	99.9	99.6	99.8	99.7	99.6
	99.6	99.4	99.4	99.4	99.1	98.9	98.8	98.5	98.3	98.2
	98.2	98.0	98.2	98.0	98.2	98.3	98.1	98.3	98.3	98.4
	98.2	98.1	97.8	97.5	97.3	97.4	97.3	97.0	96.9	96.7
	96.5	96.6	96.3	96.2	96.3	96.1	95.9	96.1	95.8	95.3
	94.7	93.8	92.7	92.0	90.3	89.2	89.0	89.0	88.8	86.3
	86.4	86.0	86.6	86.1	86.4	85.8	86.1	86.4	86.6	86.7
	86.7	86.6	86.6	86.5	86.4	86.2	87.0	87.5	88.6	89.3
	86.4	86.3	86.2	86.1	86.0	85.9	85.8	85.7	85.6	85.4
	85.4	85.2	85.2	85.1	84.9	84.9	84.7	84.7	84.6	84.4
	84.4	84.2	84.2	84.1	83.9	83.9	83.8	83.6	83.6	83.4
	83.3	83.3	83.1	83.1	82.9	82.8	82.8	82.6	82.6	83.9
	86.0	87.0	88.1	88.6	88.9	88.8	89.0	88.9	89.1	89.0
	89.3	89.1	89.0	88.9	88.7	88.3	88.2	87.7	87.6	87.2
	87.1	87.0	86.9	86.4	85.9	85.5	84.9	84.4	83.7	82.8
	82.1	81.2	80.2	80.2	79.9	79.8	79.7	79.7	79.6	79.5
	79.4	79.4	79.2	79.2	79.1	79.0	78.9	75.9	75.6	75.5
	75.2	75.2	75.1	75.5	76.4	76.9	78.1	78.0	77.9	77.9
	77.8	77.7	77.6	77.5	77.5	77.3	77.3	77.2	77.2	77.1
	77.0	77.0	76.9	76.8	76.7	76.7	76.5	76.5	76.4	76.4
	76.2	76.2	76.1	76.0	75.9	75.9	75.8	75.7	75.6	75.6
	75.6	76.0	77.8	79.3	80.4	81.0	81.4	82.1	82.0	81.8
	81.8	81.8	81.7	81.5	81.5	81.5	81.4	81.6	82.2	82.5
	82.8	83.2	83.5	83.7	84.3	84.4	84.3	84.2	83.8	83.3
	83.2	82.8	82.7	82.2	82.1	82.0	81.2	80.4	79.2	70.9
	70.0	69.5	67.4	66.7	66.4	67.3	67.6	68.8	68.7	69.4
	69.1	69.6	69.2	69.7	69.9	71.5	73.1	74.9	76.0	76.2
	75.6	76.2	77.0	77.3	77.2	76.8	76.7	76.7	76.1	76.1
	76.0	75.6	75.4	75.4	75.4	75.3	75.3	75.6	75.6	75.5
	75.9	75.8	76.1	76.1	76.0	76.0	76.3	76.2	76.1	76.4
	76.4	76.2	75.8	75.0	74.0	72.6	70.9	67.9	66.1	64.8
	63.9	64.5	65.9	66.9	67.5	67.9	68.1	68.3	68.5	68.6
	68.6									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 172.000 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.2	108.0
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.9
7	103.2	102.5	102.3	102.1	101.9	101.7	101.5	101.3	101.2	100.9
8	100.8	100.6	100.4	100.3	100.0	99.9	99.7	99.5	99.4	99.3
9	99.1	99.0	98.9	98.7	98.6	98.4	98.2	98.1	97.9	97.7
10	97.6	97.4	97.4	97.2	97.1	96.9	96.7	96.6	96.5	96.4
	96.2	96.0	95.9	96.0	96.1	96.8	97.4	98.0	98.4	98.7
	98.9	99.2	99.3	99.5	99.4	99.6	99.7	99.6	99.7	99.6
	99.6	99.4	99.2	99.1	98.9	98.6	98.5	98.3	98.0	98.3
	98.0	97.8	97.7	97.8	97.7	97.8	97.6	97.8	97.5	97.8
15	97.5	97.3	97.1	96.8	96.7	96.5	96.4	96.1	96.0	95.8
	95.6	95.4	95.6	95.5	95.2	95.5	95.2	95.1	95.2	94.4
	93.7	92.6	91.8	90.2	89.2	89.2	89.0	88.9	88.8	88.7
	88.6	88.5	85.9	85.7	85.3	85.1	84.9	84.8	85.2	85.6
	86.0	86.2	86.4	86.4	86.5	86.4	86.4	88.4	89.3	86.5
20	86.3	86.3	86.1	86.0	85.9	85.8	85.7	85.6	85.5	85.4
	85.3	85.2	85.1	85.0	84.9	84.8	84.6	84.6	84.5	84.4
	84.3	84.1	84.1	84.0	83.8	83.8	83.7	83.5	83.5	83.3
	83.3	83.2	83.0	83.0	82.8	82.8	82.7	82.5	82.5	84.2
	86.3	87.5	88.2	89.1	89.4	89.3	89.4	89.7	89.5	89.8
25	89.7	89.8	89.7	89.6	89.1	88.7	88.3	87.8	87.3	87.3
	86.7	86.3	86.3	85.7	85.3	85.2	84.7	84.0	83.3	82.4
	82.4	81.6	80.7	80.7	80.8	79.8	79.8	79.8	79.5	79.4
	79.3	79.3	79.2	79.1	79.1	78.9	78.9	78.8	78.7	78.6
	78.6	78.5	78.4	78.3	78.2	78.1	78.0	78.0	77.9	77.8
30	77.7	77.7	77.5	77.5	77.4	77.3	77.2	77.2	77.2	77.0
	77.0	76.9	76.9	76.7	76.7	76.6	76.5	76.4	76.4	76.3
	76.2	76.1	76.1	76.0	75.9	76.4	76.5	76.4	77.3	78.2
	78.9	80.1	80.5	80.9	81.6	81.9	82.5	82.8	82.7	82.6
	82.9	82.8	82.8	82.6	82.5	82.5	82.4	82.6	82.9	83.1
35	83.4	83.5	83.7	84.3	84.5	84.7	84.6	83.8	83.4	82.9
	82.5	82.1	81.6	81.1	80.7	80.3	79.5	70.3	69.5	68.8
	68.2	67.6	67.1	66.8	66.4	66.6	68.1	69.0	69.8	69.5
	70.0	70.4	70.8	70.4	71.2	72.8	74.0	74.5	75.5	76.3
	76.4	77.2	77.6	78.2	78.1	78.1	78.0	78.0	77.8	77.7
40	77.7	77.7	77.9	77.8	77.8	77.7	77.6	77.5	77.4	77.4
	77.3	77.3	77.1	77.1	77.0	76.9	76.9	76.7	76.7	76.6
	76.6	76.4	75.6	74.7	73.7	72.2	70.4	66.7	65.2	64.1
	63.3	65.1	66.3	67.0	67.5	67.9	68.0	68.2	68.4	68.5
	68.5									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 172.500 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.2	107.9
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.9
7	103.1	102.5	102.3	102.2	101.9	101.7	101.6	101.4	101.2	101.0
8	100.8	100.7	100.5	100.3	100.0	100.0	99.8	99.6	99.4	99.3
9	99.1	99.0	98.9	98.7	98.6	98.4	98.2	98.1	97.9	97.8
10	97.6	97.5	97.4	97.3	97.1	97.0	96.8	96.6	96.6	96.4
	96.3	96.1	95.9	95.9	96.7	96.7	97.3	97.9	98.3	98.6
	98.8	98.7	98.9	99.1	99.0	99.2	99.0	99.2	99.0	99.2
	99.3	99.1	98.9	98.8	98.9	98.7	98.6	98.4	98.1	98.0
	97.8	97.6	97.4	97.2	97.1	97.3	97.1	97.0	97.1	97.0
15	96.7	96.6	96.4	95.8	95.7	95.5	95.4	95.2	95.1	94.9
	94.8	94.6	94.8	94.7	94.5	94.4	94.6	94.4	94.2	93.8
	92.4	91.6	90.6	89.3	89.1	89.1	88.9	88.9	88.7	88.7
	88.5	88.5	88.3	88.3	88.1	88.0	87.9	87.8	85.3	85.0
	84.9	84.6	84.5	84.3	84.2	83.9	83.9	86.8	86.5	86.4
20	86.3	86.2	86.0	86.0	85.8	85.7	85.7	85.5	85.5	85.3
	85.3	85.1	85.0	85.0	84.8	84.8	84.6	84.5	84.5	84.3
	84.2	84.1	84.0	83.9	83.8	83.7	83.6	83.5	83.4	83.2
	83.2	83.1	83.0	82.9	82.8	82.7	82.6	82.5	82.4	83.1
	84.7	86.1	87.0	87.7	88.3	88.6	88.8	89.1	89.2	89.5
25	89.8	89.9	90.1	89.7	89.2	88.8	88.4	87.8	87.4	87.0
	86.5	86.1	85.6	85.5	85.0	84.5	84.4	83.7	83.7	82.8
	82.1	82.1	82.0	82.0	81.2	81.1	81.2	81.2	81.2	81.1
	80.3	80.3	80.3	80.3	79.5	79.4	78.8	78.7	78.6	78.5
	78.5	78.5	78.3	78.3	78.2	78.1	78.0	78.0	77.8	77.8
30	77.7	77.7	77.5	77.5	77.4	77.3	77.2	77.2	77.1	77.0
	76.9	76.9	76.8	76.7	76.6	76.6	76.4	76.4	76.4	76.3
	76.2	76.6	77.6	78.4	79.2	79.9	80.5	80.4	80.8	81.2
	81.5	81.8	81.7	82.0	82.3	82.5	82.9	83.1	83.4	83.5
	83.8	83.7	84.0	84.1	84.0	84.3	84.2	84.0	83.6	83.5
35	83.8	83.6	83.5	83.5	83.7	83.5	83.1	82.7	82.3	81.8
	81.4	81.0	80.6	80.0	79.6	79.2	78.3	70.5	69.7	69.0
	68.7	68.1	67.7	67.3	67.1	67.7	69.1	70.0	70.5	71.0
	71.3	71.6	71.8	72.0	73.4	74.0	75.1	75.6	74.6	75.3
	76.5	76.9	77.6	77.5	77.5	77.4	77.4	77.3	77.2	77.5
40	77.4	77.4	77.3	77.2	77.2	77.1	77.1	76.9	76.9	77.2
	77.1	77.1	76.6	76.5	76.1	76.0	76.0	75.8	75.4	75.3
	75.3	74.7	74.2	73.6	72.8	71.2	70.3	69.3	67.7	67.3
	66.9	68.0	68.9	67.3	68.0	68.5	68.8	69.1	69.3	69.5
	69.5									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 173.000 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.2	107.9
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.8
7	103.7	102.5	102.4	102.2	101.9	101.7	101.6	101.4	101.2	101.0
8	100.8	100.7	100.5	100.3	100.0	99.9	99.8	99.8	99.7	99.2
9	99.1	99.0	99.0	98.7	98.6	98.4	98.3	98.2	97.9	97.8
10	97.6	97.5	97.4	97.4	97.1	96.9	96.8	96.6	96.7	96.4
	96.3	96.1	95.9	95.9	96.7	97.3	97.2	97.8	97.7	98.1
	98.4	98.7	98.5	98.4	98.7	98.5	98.7	98.6	98.7	98.6
	98.8	98.6	98.4	98.6	98.4	98.2	98.1	97.9	97.7	97.6
	97.4	97.2	97.1	96.9	97.2	97.0	96.7	96.6	96.4	96.4
15	96.1	96.0	95.5	95.3	94.7	94.5	94.4	94.2	93.5	93.4
	93.8	93.6	93.4	93.9	93.7	93.6	93.4	93.9	93.1	92.4
	91.4	90.5	89.3	89.3	89.1	89.1	88.9	88.8	88.7	88.6
	88.5	88.4	88.3	88.2	88.1	88.0	87.8	87.8	87.7	87.5
	87.5	87.3	87.2	87.1	87.0	84.3	86.7	86.6	86.5	86.4
20	86.2	86.2	86.0	85.9	85.8	85.7	85.7	85.5	85.4	85.3
	85.3	85.1	85.0	84.9	84.8	84.7	84.5	84.5	84.4	84.3
	84.2	84.0	84.0	83.9	83.7	83.7	83.6	83.4	83.4	83.2
	83.2	83.1	82.9	82.9	82.7	82.7	82.6	82.5	82.4	82.4
	82.7	83.6	85.2	85.8	86.9	87.2	87.5	87.8	88.3	88.6
25	88.9	89.1	89.3	88.9	88.7	88.3	87.9	87.8	87.3	86.9
	86.4	86.0	85.9	85.8	85.4	85.3	84.8	84.8	84.2	84.1
	83.4	83.4	83.3	82.5	82.6	82.5	82.5	82.5	82.5	82.4
	82.4	83.1	83.0	83.6	83.6	83.4	83.4	83.4	83.3	83.2
	82.7	81.2	79.5	78.6	78.2	78.0	78.0	78.0	77.8	77.7
30	77.7	77.7	77.5	77.4	77.4	77.3	77.2	77.2	77.1	77.0
	76.9	76.9	76.8	76.7	76.6	76.6	76.4	76.4	76.3	76.3
	76.1	77.9	78.8	79.5	80.2	80.8	81.5	81.8	82.1	82.1
	82.4	82.6	82.9	83.2	83.1	83.3	83.6	83.9	84.1	84.6
	84.8	85.1	85.3	85.4	85.6	86.2	85.4	84.9	84.5	84.1
35	83.7	83.2	83.1	82.7	82.3	82.1	81.7	81.7	81.3	80.7
	80.3	80.3	79.8	70.9	70.6	70.3	69.8	69.5	69.0	68.9
	68.5	68.0	67.9	67.5	67.6	67.8	68.8	69.6	70.3	71.5
	71.7	71.9	72.0	72.9	73.5	74.1	74.6	75.1	75.3	75.9
	76.5	77.2	77.2	77.1	77.0	77.0	77.0	76.9	76.8	76.8
40	76.7	76.7	76.5	76.5	76.4	76.4	76.8	76.6	76.6	76.5
	76.5	76.0	75.5	75.0	74.4	73.6	72.9	72.8	71.9	71.1
	71.1	70.1	70.2	70.2	69.5	69.5	69.3	69.3	69.2	69.2
	69.2	69.0	69.0	68.9	68.9	68.8	68.7	68.6	68.6	68.6
	68.6									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 173.500 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.1	107.9
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.7
7	103.4	102.5	102.4	102.2	101.9	101.8	101.6	101.4	101.2	101.1
8	100.9	100.7	100.5	100.4	100.1	100.1	100.1	100.1	100.0	99.3
9	99.2	99.2	99.2	99.2	99.1	98.5	98.3	98.3	98.2	98.3
10	97.7	97.5	97.5	97.4	97.3	97.3	96.8	96.7	96.6	96.5
	96.5	96.4	96.4	96.4	96.4	97.1	97.0	97.0	97.5	97.9
	97.7	98.2	98.0	97.9	98.3	98.1	97.9	98.2	98.1	98.2
	98.1	97.9	98.1	98.0	97.8	97.7	97.6	97.4	97.2	97.1
	96.9	96.7	96.6	96.8	96.7	96.5	96.3	96.3	96.1	96.0
15	95.4	95.3	94.5	94.3	93.6	93.4	92.7	91.7	91.7	91.6
	91.4	92.1	91.9	91.9	92.5	92.4	92.2	92.2	92.0	91.2
	90.1	89.4	89.3	89.2	89.0	89.0	88.8	88.8	88.6	88.6
	88.4	88.4	88.2	88.2	88.0	87.9	87.8	87.7	87.6	87.5
	87.4	87.3	87.2	87.0	87.0	84.6	86.7	86.5	86.4	86.4
20	86.2	86.1	86.0	85.9	85.7	85.7	85.6	85.4	85.4	85.2
	85.2	85.0	85.0	84.9	84.7	84.7	84.5	84.4	84.4	84.2
	84.1	84.0	83.9	83.8	83.7	83.6	83.5	83.4	83.3	83.2
	83.1	83.1	82.9	82.9	82.7	82.6	82.6	82.4	82.4	82.3
	82.2	82.1	82.1	82.5	84.2	85.0	85.6	86.7	87.0	87.7
25	88.0	88.2	88.5	88.4	87.9	87.9	87.8	87.3	87.2	86.8
	86.7	86.3	86.3	86.1	86.1	86.0	85.9	85.9	85.8	85.7
	85.6	85.6	85.1	85.1	85.0	84.9	84.9	84.8	84.8	84.6
	84.6	84.6	84.4	84.4	84.4	84.6	84.6	84.9	84.8	84.7
	84.3	83.5	82.3	81.5	80.0	78.1	78.0	75.2	74.3	75.9
30	77.3	78.1	78.5	77.4	77.4	77.2	77.2	77.1	77.1	76.9
	76.9	76.8	76.8	76.6	76.6	76.5	76.4	76.4	76.3	76.4
	77.3	78.3	79.1	79.7	80.5	81.0	81.3	81.6	81.9	82.3
	82.6	82.8	83.1	83.4	83.6	83.8	84.0	84.6	84.9	85.0
	85.6	85.8	86.0	86.1	86.7	86.6	86.2	85.6	85.2	84.8
35	84.4	83.9	83.5	83.1	82.3	81.8	81.7	81.4	80.9	71.6
	71.1	70.7	71.6	71.1	70.6	69.4	69.2	68.9	68.5	68.4
	68.2	67.8	67.6	67.5	68.6	69.6	71.0	72.1	72.3	72.5
	73.2	73.2	73.8	74.4	74.3	74.7	75.1	76.6	76.5	76.9
	77.2	77.6	77.6	77.4	77.3	77.3	77.3	77.2	77.1	77.1
40	77.0	77.0	76.8	76.8	76.7	76.7	76.7	76.5	76.5	76.4
	76.4	76.3	75.8	75.3	74.8	74.8	74.1	73.3	72.5	71.7
	70.8	69.8	69.8	69.6	69.5	69.5	69.3	69.3	69.2	69.2
	69.2	69.0	69.0	68.9	68.9	68.8	68.7	68.7	68.6	68.6
	68.6									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 174.000 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.1	107.7
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.5
7	103.2	102.6	102.4	102.2	102.0	101.8	101.6	101.4	101.2	101.1
8	100.9	100.7	100.5	100.4	100.1	99.9	99.8	99.8	99.7	99.7
9	99.6	99.7	99.5	99.5	99.4	99.4	98.6	98.5	98.5	98.5
10	98.3	98.3	97.6	97.5	97.5	97.4	97.4	97.3	97.4	96.5
	96.4	96.4	96.3	96.4	96.4	97.0	96.9	96.9	97.5	97.3
	97.2	97.7	97.6	97.4	97.3	97.7	97.5	97.5	97.8	97.6
	97.5	97.7	97.5	97.5	97.3	97.1	97.0	96.8	96.7	96.6
	96.4	96.2	96.1	96.4	96.3	96.2	96.0	95.9	95.7	95.6
15	94.9	94.8	94.6	93.8	93.8	92.9	92.8	91.9	91.9	91.8
	91.6	91.5	91.4	91.3	91.2	91.2	91.1	91.1	90.1	89.6
	89.4	89.4	89.2	89.2	89.0	88.9	88.8	88.7	88.6	88.5
	88.3	88.3	88.1	88.1	87.9	87.9	87.7	87.6	87.6	87.4
	87.4	87.2	87.1	84.6	84.3	84.2	86.5	88.6	86.4	86.3
20	86.2	86.1	85.9	85.9	85.7	85.6	85.6	85.4	85.4	85.2
	85.1	85.0	84.9	84.8	84.7	84.6	84.5	84.4	84.3	84.2
	84.1	83.9	83.9	83.8	83.6	83.6	83.5	83.4	83.3	83.2
	83.1	83.0	82.9	82.8	82.7	82.6	82.6	82.4	82.4	82.3
	82.1	82.1	82.0	81.9	81.8	81.8	82.5	83.5	85.0	85.7
25	86.7	87.3	87.3	87.2	87.1	87.1	87.0	86.9	86.9	86.8
	86.7	86.6	86.6	86.8	86.8	86.7	86.9	86.9	86.9	86.7
	86.6	86.6	86.4	86.4	86.3	86.2	86.2	86.1	86.1	85.9
	85.5	85.1	84.9	84.5	84.1	84.0	83.5	83.5	83.4	82.8
	82.1	81.3	80.5	79.7	78.8	77.9	77.9	77.8	77.7	77.7
30	77.6	77.6	77.4	77.4	77.3	77.2	77.1	77.1	77.0	76.9
	76.8	76.8	76.7	76.6	76.5	76.5	76.4	76.5	76.6	77.6
	78.4	78.5	79.3	79.9	80.0	80.7	81.1	81.4	82.1	82.4
	82.7	83.3	83.6	83.8	84.1	84.2	84.8	85.1	85.3	85.8
	86.0	86.2	86.7	86.8	86.2	86.9	86.8	86.3	86.2	85.8
35	85.7	85.1	84.7	84.6	84.2	83.7	83.3	82.6	82.2	81.7
	81.3	80.8	80.4	70.7	70.4	69.8	69.7	69.1	68.8	68.6
	68.3	68.0	67.5	67.8	70.3	71.6	71.9	72.9	73.0	73.7
	73.6	74.3	74.8	74.8	75.2	75.0	77.0	76.9	77.3	77.2
	77.5	77.5	77.4	77.3	77.3	77.2	77.2	77.1	77.0	76.9
40	76.9	76.9	76.7	76.7	76.6	76.6	76.5	76.4	76.4	76.3
	76.3	76.6	76.5	76.4	76.4	76.4	76.3	76.1	76.1	76.1
	75.2	74.6	73.4	72.7	71.0	70.2	69.4	68.9	66.8	67.9
	68.8	69.3	69.6	69.8	69.9	69.9	69.9	68.7	68.7	67.2
	67.2									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 174.500 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.6	108.4	108.1	107.8
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.5
7	103.1	102.6	102.4	102.2	101.9	101.8	101.6	101.4	101.3	101.0
8	100.9	100.7	100.5	100.4	100.1	99.9	99.8	99.6	99.6	99.5
9	99.5	99.5	99.5	99.4	99.3	99.3	99.2	99.1	99.1	99.0
10	98.8	98.7	98.8	98.7	98.6	97.8	97.7	97.7	97.7	97.6
	97.5	97.3	96.5	96.6	97.2	97.1	97.0	97.0	96.9	96.8
	96.6	97.2	97.1	97.0	96.9	96.8	97.2	97.1	97.0	96.8
	97.3	97.1	96.9	96.9	96.7	96.5	96.4	96.3	96.1	96.0
	95.8	95.7	95.6	95.9	95.9	95.7	95.5	95.4	95.3	95.2
15	94.9	94.3	94.1	94.0	93.2	93.1	92.3	92.2	92.1	92.0
	91.9	91.8	91.6	91.6	91.4	91.4	91.3	91.2	90.3	89.5
	89.4	89.4	89.2	89.1	89.0	88.9	88.8	88.7	88.5	88.5
	88.3	88.3	88.1	88.0	87.9	87.8	87.7	87.6	87.6	87.4
	87.4	87.2	84.8	84.1	84.2	83.4	87.0	88.8	89.9	86.3
20	86.2	86.1	85.9	85.8	85.6	85.6	85.5	85.4	85.3	85.1
	85.1	84.9	84.9	84.8	84.6	84.6	84.4	84.3	84.3	84.1
	84.1	83.9	83.8	83.8	83.6	83.5	83.5	83.3	83.3	83.1
	83.1	83.0	82.9	82.8	82.7	82.6	82.5	82.4	82.3	82.3
	82.1	82.1	82.0	81.9	81.8	81.8	82.2	83.2	84.0	85.5
25	86.1	86.5	86.5	86.4	86.3	86.3	85.9	85.8	85.7	85.7
	85.6	86.0	86.3	86.2	86.5	86.8	87.0	87.3	87.3	87.5
	87.4	87.4	87.2	87.1	87.1	86.9	86.9	86.8	86.7	86.2
	85.8	85.1	84.5	83.7	83.0	82.2	80.6	79.8	78.9	78.9
	78.3	78.3	78.1	78.1	78.1	77.9	77.9	77.8	77.7	77.6
30	77.6	78.0	78.9	78.9	79.8	79.7	80.5	80.6	80.6	79.7
	79.0	78.2	78.2	77.3	76.5	76.5	76.3	76.5	76.6	77.6
	78.4	78.5	79.3	80.0	80.0	80.7	81.1	81.4	82.1	82.4
	82.7	83.3	83.6	83.8	84.1	84.6	84.8	85.1	85.6	85.8
	86.0	86.5	86.7	86.1	86.4	86.3	86.2	86.1	86.0	85.9
35	85.8	86.1	86.0	85.9	85.5	85.0	84.2	83.8	83.4	82.6
	82.2	81.8	71.2	70.8	70.7	69.5	69.3	68.5	68.3	68.4
	67.6	67.4	67.7	69.0	70.8	71.3	72.3	73.2	73.2	73.9
	73.8	74.4	74.3	74.0	74.4	74.6	74.5	74.4	77.3	77.2
	77.1	77.1	77.1	76.9	76.9	76.8	76.8	76.8	76.6	76.6
40	76.5	76.5	76.4	76.3	76.3	76.2	76.2	76.1	76.0	76.0
	75.9	76.3	76.1	76.1	76.1	76.4	76.4	76.6	76.5	76.5
	76.0	75.1	74.6	74.1	72.7	71.0	68.2	67.4	66.0	67.4
	67.2	68.0	68.7	69.1	69.4	69.6	69.6	69.6	68.6	67.2
	67.2									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 175.000 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.5	108.4	108.0	107.7
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.4
7	102.9	102.6	102.4	102.3	101.9	101.8	101.7	101.4	101.3	101.1
8	101.0	100.8	100.6	100.4	100.2	100.0	99.8	99.7	99.5	99.3
9	99.2	99.3	99.2	99.2	99.1	99.0	99.0	98.9	98.9	98.8
10	98.7	98.6	98.6	98.5	98.5	98.3	98.2	98.1	98.2	97.4
	97.2	97.1	97.7	97.7	97.6	97.5	96.7	96.7	96.6	97.2
	97.0	96.9	96.8	96.7	96.7	96.5	96.5	96.4	96.2	96.7
	96.6	96.5	96.3	96.2	96.1	96.0	95.9	95.8	95.6	95.5
	95.4	95.2	95.7	95.5	95.5	95.3	95.2	95.1	94.9	94.9
15	94.6	93.9	93.8	93.6	93.6	92.7	92.7	92.5	92.5	92.4
	92.2	92.1	92.0	91.9	91.8	91.8	91.6	91.6	90.6	89.7
	89.4	89.3	89.2	89.1	89.0	88.9	88.7	88.7	88.5	88.4
	88.3	88.3	88.1	88.0	87.9	87.8	87.7	87.6	87.6	87.4
	87.4	87.2	85.3	84.4	84.5	83.6	86.2	87.7	89.1	89.5
20	86.2	86.1	85.9	85.8	85.7	85.6	85.5	85.4	85.3	85.1
	85.0	84.9	84.8	84.8	84.6	84.5	84.4	84.3	84.3	84.1
	84.1	83.9	83.8	83.8	83.6	83.5	83.5	83.3	83.3	83.1
	83.1	83.0	82.9	82.8	82.6	82.6	82.5	82.4	82.4	82.3
	82.1	82.1	82.0	81.9	81.8	81.8	81.8	82.9	84.4	85.2
25	85.9	86.3	86.3	85.8	85.0	85.0	84.4	84.3	84.3	83.6
	83.5	83.6	84.3	84.3	84.9	85.4	85.3	85.7	86.0	85.9
	86.2	86.2	86.0	86.0	85.9	86.2	86.1	86.1	86.0	85.9
	85.1	84.7	83.7	83.0	81.6	79.9	79.0	78.5	75.6	76.9
	78.3	78.2	78.1	78.0	78.0	77.8	77.8	77.7	77.6	78.3
30	79.3	80.9	81.6	82.3	82.7	83.0	83.3	83.3	82.9	82.3
	81.3	80.6	79.8	79.0	78.2	77.3	76.3	77.4	78.3	78.4
	79.1	79.9	79.9	80.5	80.5	81.1	81.4	82.1	82.4	82.7
	83.4	83.6	83.8	84.4	84.7	84.8	85.1	85.6	85.9	86.0
	86.5	86.1	86.2	86.4	86.6	86.5	86.4	86.2	86.1	86.0
35	85.9	85.8	85.7	85.6	85.7	85.1	84.7	84.0	83.6	83.1
	82.6	81.9	71.4	71.0	70.7	69.5	69.2	69.0	69.0	68.1
	67.9	67.8	67.9	70.2	70.9	72.1	73.0	73.1	73.8	73.8
	74.3	74.8	74.7	73.7	73.4	73.3	73.2	73.0	77.3	77.1
	77.1	77.1	77.0	76.9	76.8	76.8	76.8	76.7	76.6	76.5
40	76.5	76.5	76.3	76.3	76.2	76.2	76.1	76.0	76.0	75.9
	75.5	75.4	74.8	74.1	74.1	73.4	73.3	72.4	72.4	73.2
	73.2	73.8	73.8	73.8	74.3	74.3	74.1	74.1	73.5	72.0
	70.3	69.1	69.0	65.1	67.1	65.1	64.8	64.8	66.0	65.5
	65.5									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 175.500 degs.

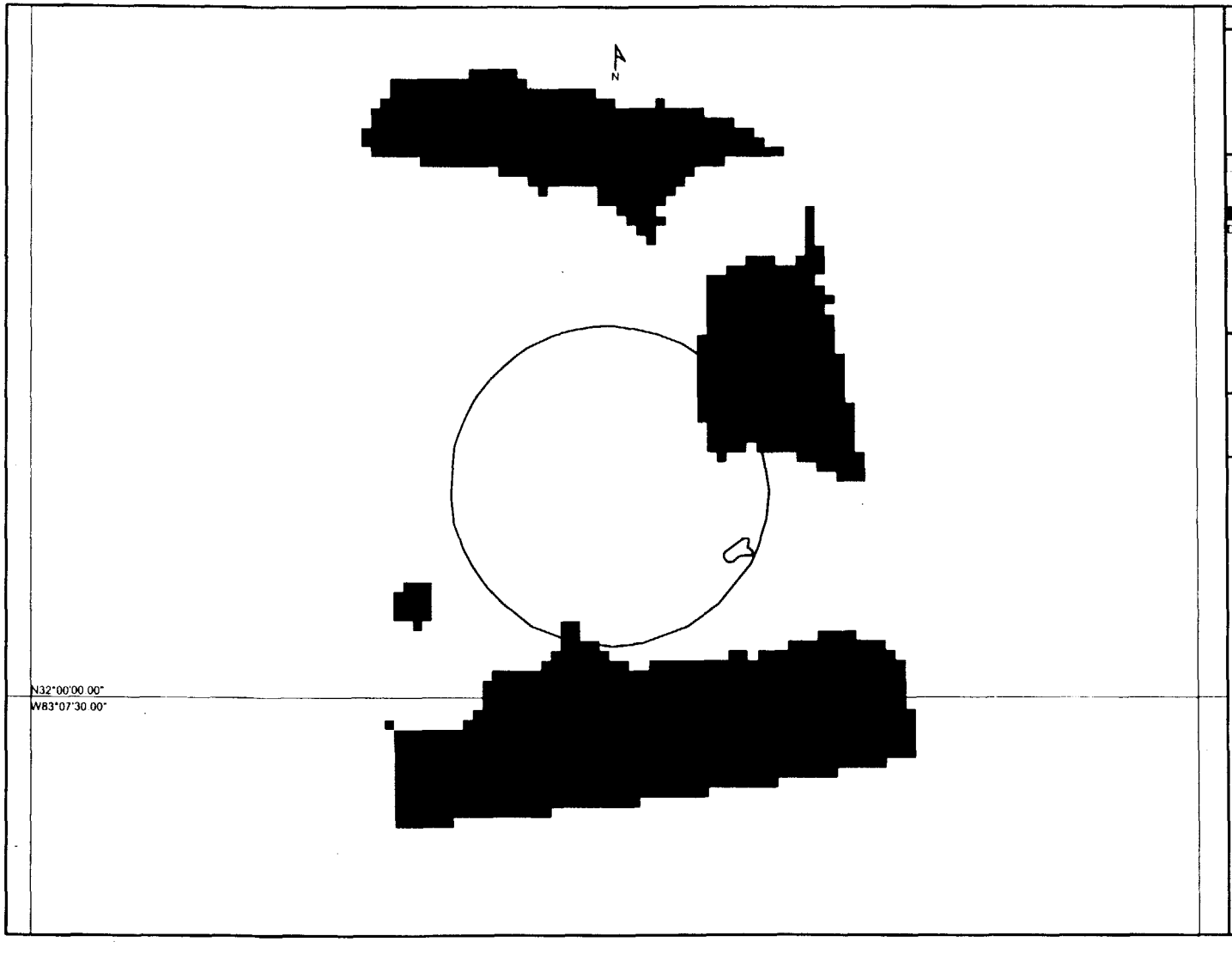
kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.4	108.3	107.9	107.6
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.3
7	103.4	102.7	102.5	102.3	102.1	101.9	101.7	101.5	101.3	101.2
8	101.0	100.8	100.7	100.4	100.2	100.0	99.9	99.7	99.5	99.4
9	99.2	99.2	99.0	98.9	98.8	98.8	98.7	98.7	99.3	99.2
10	99.1	99.0	99.0	98.9	98.1	98.0	97.9	97.9	97.1	97.1
	96.9	96.9	96.8	96.8	96.7	96.7	96.6	96.6	96.5	97.1
	96.9	96.9	96.8	96.7	96.6	96.5	96.4	96.4	96.2	96.1
	96.0	95.9	95.8	95.7	95.6	95.4	95.4	95.3	95.1	95.1
	94.9	95.4	95.3	95.2	95.1	94.9	94.8	94.7	94.6	94.5
15	94.3	94.3	94.1	93.3	93.2	93.1	93.1	92.9	92.9	92.7
	92.7	92.5	92.4	92.3	92.2	92.2	92.0	92.0	91.1	90.2
	89.4	89.3	89.2	89.1	88.9	88.9	88.7	88.7	88.5	88.4
	88.3	88.3	88.1	88.0	87.9	88.6	87.7	87.6	87.6	87.4
	87.4	87.2	87.1	84.8	84.5	84.3	86.7	87.0	88.0	88.6
20	86.2	86.1	85.9	85.9	85.7	85.6	85.5	85.4	85.3	85.1
	85.1	84.9	84.8	84.8	84.6	84.5	84.4	84.3	84.3	84.1
	84.0	83.9	83.8	83.8	83.6	83.5	83.5	83.3	83.3	83.1
	83.1	84.0	84.9	83.2	82.7	82.6	82.6	82.4	82.4	82.3
	82.1	82.1	82.0	81.9	81.8	81.8	81.6	83.1	83.9	84.7
25	86.1	86.0	85.4	84.7	83.9	83.1	82.3	81.4	81.5	80.7
	80.5	80.8	80.9	80.9	81.9	82.0	82.7	82.8	82.8	83.5
	83.5	83.6	83.5	84.2	84.2	84.1	84.1	84.1	84.6	84.0
	83.3	82.6	81.8	81.0	80.2	79.3	78.5	78.4	78.3	78.2
	78.2	78.2	78.0	78.1	78.2	79.1	79.2	79.3	80.1	80.1
30	80.9	81.7	82.3	82.7	83.1	83.0	83.3	83.3	82.9	82.7
	82.3	81.9	81.3	80.5	79.8	79.0	78.1	79.0	79.0	79.9
	80.5	80.5	81.1	81.0	81.4	81.8	82.1	82.4	82.7	83.3
	83.6	83.8	84.4	84.6	84.9	85.0	85.6	85.8	86.1	86.5
	86.1	86.2	86.5	86.6	86.7	86.6	86.5	86.3	86.2	86.1
35	86.1	85.9	85.8	85.5	85.8	85.3	84.6	84.1	83.7	83.2
	82.5	82.1	81.6	71.3	71.0	70.7	70.4	70.0	69.7	69.5
	69.3	69.0	69.8	71.7	72.1	73.2	73.3	74.0	74.7	78.7
	78.9	78.9	78.8	78.8	78.6	78.6	78.5	78.5	78.4	78.3
	78.2	78.2	77.7	77.6	77.5	77.5	77.5	77.4	77.3	77.2
40	77.2	77.1	77.0	76.9	76.9	76.8	76.8	76.6	76.6	76.1
	75.7	74.7	73.8	73.0	71.3	70.4	66.5	67.4	66.8	66.1
	70.5	71.3	72.9	74.3	75.1	75.9	76.5	77.1	76.4	74.8
	73.2	65.2	61.4	59.6	58.4	57.5	56.7	58.4	61.6	62.9
	62.9									

WMCG FIELD STRENGTHS BY THE LONGLEY-RICE METHOD

Field Strengths in dBuV/m
Distances in Kilometers in Left-Hand Column
Horizontal Columns in Tenth Kilometer Increments

Azimuth = 176.000 degs.

kM	0.0kM	0.1kM	0.2kM	0.3kM	0.4kM	0.5kM	0.6kM	0.7kM	0.8kM	0.9 kM
0	0.0	141.8	135.8	132.3	129.8	127.9	126.3	124.9	123.8	122.7
1	121.8	121.0	120.2	119.6	118.9	118.3	117.8	117.2	116.7	116.3
2	115.8	115.4	115.0	114.6	114.2	113.9	113.5	113.2	112.9	112.6
3	112.3	112.0	111.7	111.5	111.2	111.0	110.7	110.5	110.2	110.0
4	109.8	109.6	109.4	109.2	109.0	108.8	108.5	108.2	108.0	107.6
5	107.9	107.7	107.5	107.3	107.2	107.0	106.9	106.7	106.6	106.4
6	106.3	106.1	106.0	105.8	105.7	105.6	105.4	105.3	105.2	104.2
7	103.3	102.7	102.5	102.3	102.1	101.9	101.8	101.5	101.4	101.2
8	101.0	100.9	100.7	100.5	100.3	100.0	99.9	99.7	99.5	99.4
9	99.2	99.2	99.0	98.8	98.7	98.6	99.3	99.3	99.1	99.0
10	98.9	99.4	99.4	98.7	98.6	97.8	97.7	96.9	96.9	96.9
	96.3	96.2	96.0	96.0	96.7	96.6	96.6	96.6	96.5	96.4
	96.9	96.3	96.2	96.0	96.1	95.9	95.8	95.1	95.0	94.9
	94.9	94.8	95.4	95.4	95.3	95.2	95.2	95.1	94.9	94.9
	95.4	95.2	95.2	95.0	95.0	94.8	94.7	94.6	94.5	94.4
15	94.2	94.2	94.0	93.9	93.8	93.7	93.7	93.5	93.5	93.3
	93.2	93.0	92.9	92.9	92.7	92.7	92.5	92.5	91.6	90.8
	89.7	89.3	89.2	89.1	88.9	88.9	88.7	88.7	88.5	88.4
	88.3	88.3	88.1	88.9	88.8	89.7	88.7	87.6	87.6	87.4
	87.4	87.2	87.2	87.0	87.0	85.1	85.9	86.2	86.4	86.5
20	86.2	86.2	86.0	85.9	85.7	85.7	85.6	85.4	85.3	85.2
	85.1	84.9	84.9	84.8	84.6	84.6	84.4	84.3	84.3	84.1
	84.0	83.9	83.8	83.8	83.6	83.5	83.5	83.3	83.3	83.1
	83.1	83.8	84.6	83.8	82.9	82.6	82.6	82.4	82.4	82.3
	82.2	82.1	82.1	81.9	81.8	81.8	81.6	81.8	83.6	84.4
25	85.2	85.1	84.4	83.7	82.8	81.1	80.9	80.7	80.7	80.6
	80.5	80.4	80.4	80.2	80.2	80.1	80.0	79.9	79.9	79.7
	79.9	80.0	80.0	80.1	80.2	80.2	81.2	81.2	81.3	81.3
	80.5	80.6	80.5	79.7	79.8	79.8	79.0	78.4	78.2	79.2
	79.3	80.2	80.2	81.1	81.1	81.0	81.8	81.8	81.8	81.8
30	81.8	81.8	82.4	82.4	82.4	82.3	82.7	82.7	82.2	82.1
	82.1	82.1	81.6	81.5	81.5	80.8	80.7	81.4	81.8	82.2
	82.4	82.8	83.1	82.9	83.2	83.5	83.8	84.0	84.3	84.6
	84.8	85.0	85.2	85.5	85.7	85.8	86.1	86.3	86.3	86.3
	86.4	86.5	86.6	86.7	86.6	86.5	86.4	86.2	86.2	85.9
35	85.8	85.6	85.5	85.4	85.7	84.8	84.4	84.0	83.6	83.1
	82.7	82.2	81.5	81.3	80.9	71.3	80.4	71.4	70.8	71.5
	70.8	70.1	71.9	72.2	79.1	79.1	79.3	79.6	79.5	79.9
	79.7	80.0	79.9	79.9	79.7	79.6	79.2	79.2	79.1	78.9
	78.9	78.8	78.8	78.6	78.5	78.5	78.4	78.4	78.2	78.2
40	78.1	78.0	77.9	77.8	77.4	77.4	77.3	77.2	77.1	77.1
	76.6	76.2	75.6	75.1	74.6	73.9	73.1	72.2	71.4	71.4
	71.4	71.3	72.1	72.1	72.1	72.9	72.7	73.5	71.9	70.3
	69.3	69.1	67.0	66.3	65.6	64.2	63.1	64.9	67.4	68.0
	68.0									



SIGNAL COVERAGE MAP

Prop. model: Longley-Rice v1.2.2
Time: 50.0% Loc.: 50.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): none
Atmospheric Abs.: none
K Factor: 1.333
RX Antenna - Type: OMNI
Height: 9.1 m AGL Gain: 0.00 dBd

Reference Grid (spacing: 7.5')

Field strength at remote

> 70.0 dBμV/m
< 70.0 dBμV/m

Display threshold level: -120.0 dBmW

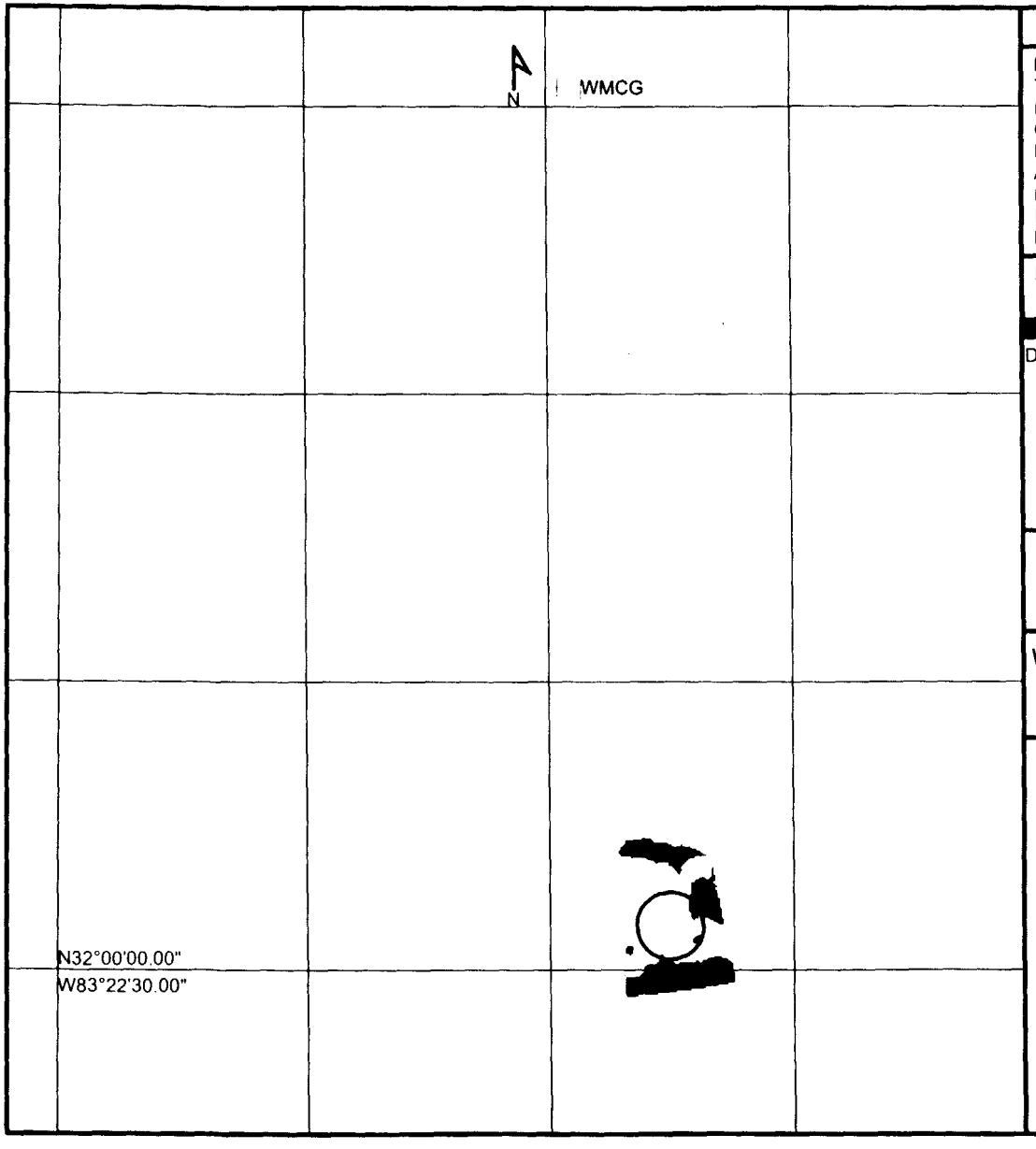
Sites

Site: WMCG
N32°22'59.00" W83°07'08.00" 121.9 m
WMCG Tx Ht AGL: 163.0 m Total ERPd: 31.00kW
Grp: 1 omni-horizontal/0.0° 104.9000 MHz

KILOMETERS
-1 0 1

WILLIAM CULPEPPER & ASSOCIATES
WMCG

FIGURE 1 APRIL 10, 2001



SIGNAL COVERAGE MAP

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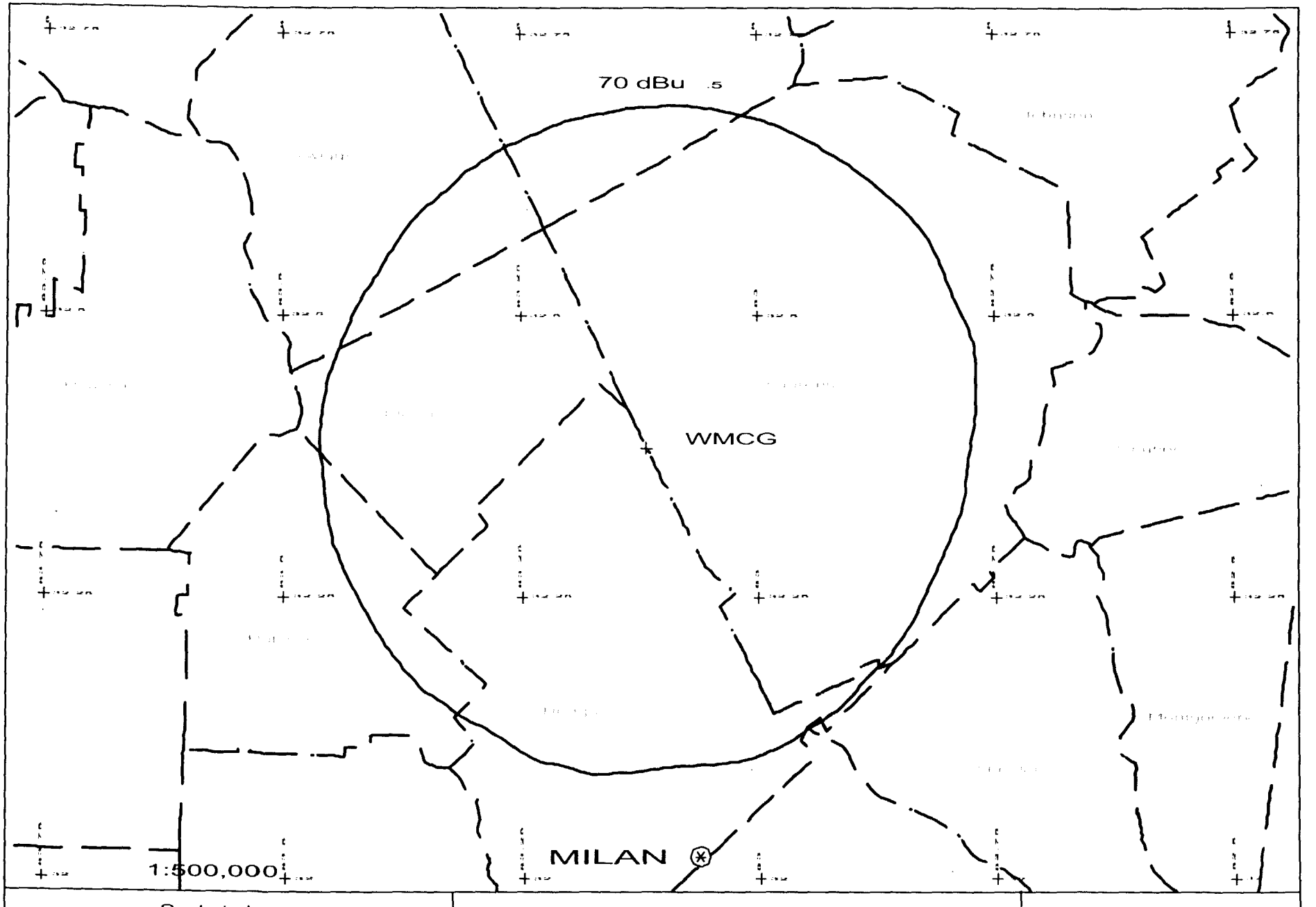
KILOMETERS

-5 0 10

WILLIAM CULPEPPER & ASSOCIATES

WMCG

FIGURE 2 APRIL 10, 2001



Scale in km

0 10 20 30 40

PROPOSED 70 dBu CONTOUR AND MILAN BOUNDARY BY F(50,50)

WMCG
FIGURE 3

EXHIBIT 29

TEL-DODGE BROADCASTING, INC.

WMCG

MILAN, GEORGIA

ENVIRONMENTAL MATTERS

The proposed facility is excluded from environmental processing, however, RFR compliance cannot be determined through the use of the RF Worksheet in Appendix A due to joint use of the tower by another FM broadcast station.

This proposal is to install the proposed WMCG antenna on a tower to be used by WQIL, channel 267C2, Chauncey, Georgia (BPH-20000724ABI, Facility ID 25477). The WMCG antenna radiation center will be 165.5 meters above ground level (AGL). The WQIL antenna radiation center will be at 126 meters AGL. The WQIL power is 50 kilowatts vertical and 50 kilowatts horizontal

FCC program FM MODEL was used to calculate the radiation at two meters above ground level for each antenna. Both antennas were assumed to be Phelps-Dodge "Ring Stub" or Dipole (EPA) type.

The WMCG calculation showed a maximum radiation at two meters AGL of 33.9 microwatts per square centimeter at a distance of 32.4 meters from the tower base. The WQIL calculation showed a maximum radiation of 126.6 microwatts at 21.5 meters from the tower base.

The sum of the maximum radiation of each station is 160.5 microwatts per square centimeter. Since the two maxima do not occur at the same distance from the tower, the maximum combined radiation at any point is less than 160.5 microwatts. This meets the ANSI Guideline of 200 microwatts per square centimeter for uncontrolled spaces.

The owners of WMCG and WQIL agree to cooperate in protecting personnel working aloft on the tower by reducing the power, or turning the power off of either, or both stations, as required.