[Exhibit 12]

Non-Interference Compliance

Regarding Facility id 152259   Channel 206

Description of Exhibit 12 Contents

This exhibit demonstrates that the proposed facility complies with contour overlap and interference protection provisions in all of the applicable rule sections and that this application for a construction permit is in full compliance with 47 C.F.R. § 74.1204.

Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.

Page 2 of this exhibit is an explanation of the method used to demonstrate compliance with contour overlap and interference provisions based on 47 C.F.R. § 74.1204(d), which states:

> [A]n application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.

Page 3 contains a tabulation of the vertical radiation pattern of the proposed antenna and the minimum ground clearance of the interfering contour based on this pattern.

Pages 4 through 6 include a plot and a tabulation of the vertical radiation pattern for the proposed antenna provided by the antenna manufacturer.

Page 7 of this exhibit contains the tabulated data from the interference analysis, which shows all stations whose protected contours come within 50 km of the 34 dBμ F(50,10) contour of the proposed translator. These tabulated values were calculated using data from the FCC's CDBS files and 30 arc second terrain data. The column labeled "Adj" shows the number of channels difference between the entry and the proposed translator. The column labeled "Dist" shows the distance in km. The column labeled "Overlap" shows the area of contour overlap in square kilometers.

Page 8 of this exhibit is a portion of a USGS 1:24,000 scale 7.5 minute quadrangle at full scale with the calculated area of interference overlaid. The sheet includes the quadrangle name and measurement scale at the bottom-left corner (note: "Mt" refers to meters). The area of interference was calculated using the free space equation and 120 radials.

Page 9 of this exhibit is a high resolution aerial photo of the vicinity surrounding the proposed translator's tower site provided by the U.S. Geological Survey's National Aerial Photography Program. It has been included to provide clarification of the nature of the buildings in the vicinity.

Compliance with 47 C.F.R. § 74.1204(d)

All authorized second and third adjacent stations with which the proposed translator has contour overlap are tabulated below. Column four show the station's signal level at the proposed translator's tower site, and column five gives the minimum value within the entire standard interfering contour of the proposed translator (100 dBµ for most classes, 94 for class B, 97 for class B1). The minimum second or third adjacent F(50,50) contour within the proposed translator's standard interfering contour was used to calculate the proposed translator's actual "worst-case" interfering contour.
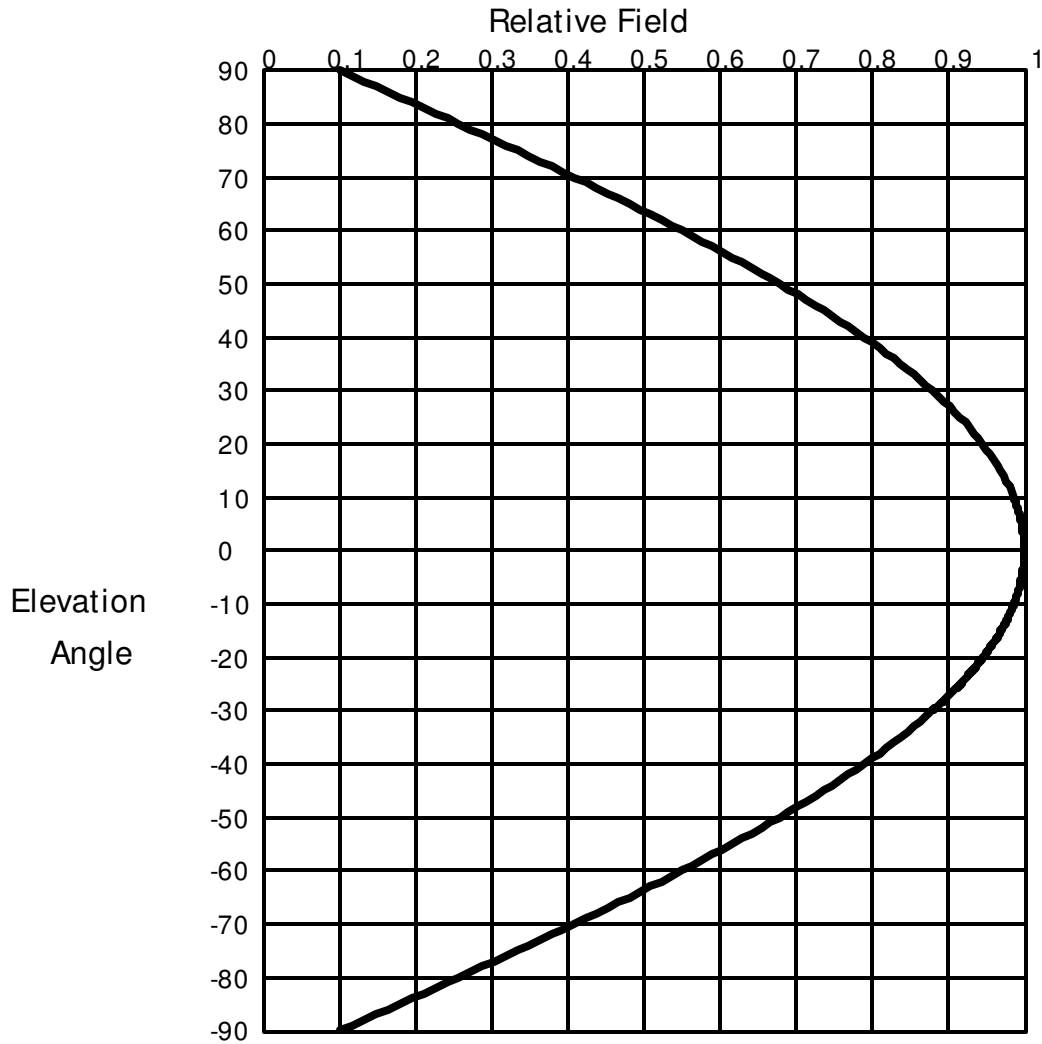
Application_id	File Number	Callsign	Contour at Tower	Min. Contour
76515	BLED19850227KR	WMUM-FM	77.9	77.6

Minimum F(50,50) Contour of Adjacent Station within
Proposed Translator's Standard Interfering Contour   **77.6**

FCC 02-244 at Section II.A.5 states that "when demonstrating that 'no actual interference will occur due to . . . other factors,' pursuant to Section 74.1204(d), an applicant may use the undesired-to-desired signal ratio method." The undesired-to-desired ratio for second and third adjacent stations required by § 74.1204(a) is 40 dB. Since the minimum protected contour strength within the proposed translator's standard interference contour is **77.6 dBµ**, this makes the proposed translator's worst-case interfering contour **117.6 dBµ.** By the free-space equation, this contour is calculated to extend a maximum of **57 m** from the transmit antenna.

The maximum horizontal plane of the interfering contour was calculated for 120 radials and plotted on the pertinent portion of a USGS quadrangle (page 8 of this exhibit). However, the field strength of the proposed translator's antenna varies with angle of depression from horizontal. The antenna relative fields are tabulated on the following page at 5 degree increments, starting at 5 degrees below horizontal. Antenna relative field strength data was provided and certified by the manufacturer of the proposed antenna. Using a free-space calculation that neglects any loss due to reflection, the vertical ground clearance of the proposed translator's interference contour has been tabulated. As shown on the following page, the area of interference clears the tower ground level (TGL) by **29.3 m** at the lowest point. The applicant has taken into account USGS quadrangles and relevant aerial photography in stating that no structures, except possibly tower support structures, puncture the area of interference. Hence, in accordance with 47 C.F.R. § 74.1204(d) and the clarification provided by the FCC in the decision *Re: Living Way Ministries* (FCC 02-244), a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Antenna Manufacturer:	SWR
Antenna Model:	FM1
CORAGL:	59 m
Maximum ERP:	0.038 kW
Interfering Contour:	117.6 dBµ
Max Int. Contour Distance:	57 m
Min Ground Clearance:	29.3 m

Wednesday, November 01, 2006   2

Depression Angle Below Horizontal	Antenna Relative Field	ERP (watts)	Distance to Interfering Contour from Antenna (m)	Horizontal Distance of Interfering Contour from Tower (m)	Vertical Clearance of Interfering Contour above TGL (m)
5	.997	37.8	56.8	56.6	54.0
10	.986	36.9	56.2	55.4	49.2
15	.969	35.7	55.2	53.4	44.7
20	.946	34.0	53.9	50.7	40.6
25	.916	31.9	52.2	47.3	36.9
30	.879	29.4	50.1	43.4	33.9
35	.837	26.6	47.7	39.1	31.6
40	.789	23.7	45.0	34.5	30.1
45	.736	20.6	42.0	29.7	29.3
50	.679	17.5	38.7	24.9	29.4
55	.616	14.4	35.1	20.1	30.2
60	.550	11.5	31.4	15.7	31.8
65	.480	8.8	27.4	11.6	34.2
70	.408	6.3	23.3	8.0	37.1
75	.333	4.2	19.0	4.9	40.7
80	.256	2.5	14.6	2.5	44.6
85	.178	1.2	10.1	0.9	48.9
90	.100	0.4	5.7	0.0	53.3

Minimum Clearance above TGL: **29.3 m**

Relative Field

Elevation Pattern

Systems With Reliability Inc.

Scale: Linear

Units: Field, Relative

CLIENT: *General*
ANTENNA TYPE: FM1/ 1
FREQUENCY: 98.1
PATTERN POL.: Circular
DIRECTIVITY(Peak): 0.883/ -0.539 dBd
DIRECTIVITY(Horiz): 0.883/ -0.539 dBd

Date: 11/ 10/ 03

Beam Tilt (Deg.) :   *0*

Null Fill(s)(%) :   *0, 0, 0*

Micro-Tek Eng. Ver. 2.5

Relative Field Tabulation

Elev. Angle	Rel. Fld(dB)	Elev. Angle	Rel. Fld(dB)	Elev. Angle	Rel. Fld(dB)
3.2	.999 (-0.012)	-4.4	.997 (-0.023)	-12.0	.98 (-0.173)
3.0	.999 (-0.011)	-4.6	.997 (-0.025)	-12.2	.98 (-0.178)
2.8	.999 (-0.009)	-4.8	.997 (-0.027)	-12.4	.979 (-0.184)
2.6	.999 (-0.008)	-5.0	.997 (-0.03)	-12.6	.978 (-0.19)
2.4	.999 (-0.007)	-5.2	.996 (-0.032)	-12.8	.978 (-0.196)
2.2	.999 (-0.006)	-5.4	.996 (-0.035)	-13.0	.977 (-0.203)
2.0	.999 (-0.005)	-5.6	.996 (-0.037)	-13.2	.976 (-0.209)
1.8	1.00 (-0.004)	-5.8	.995 (-0.04)	-13.4	.975 (-0.215)
1.6	1.00 (-0.003)	-6.0	.995 (-0.043)	-13.6	.975 (-0.222)
1.4	1.00 (-0.002)	-6.2	.995 (-0.046)	-13.8	.974 (-0.229)
1.2	1.00 (-0.002)	-6.4	.994 (-0.049)	-14.0	.973 (-0.235)
1.0	1.00 (-0.001)	-6.6	.994 (-0.052)	-14.2	.973 (-0.242)
.8	1.00 (-0.001)	-6.8	.994 (-0.055)	-14.4	.972 (-0.249)
.6	1.00 (0)	-7.0	.993 (-0.058)	-14.6	.971 (-0.256)
.4	1.00 (0)	-7.2	.993 (-0.062)	-14.8	.97 (-0.263)
.2	1.00 (0)	-7.4	.993 (-0.065)	-15.0	.969 (-0.271)
.0	1.00 (0)	-7.6	.992 (-0.069)	-15.2	.969 (-0.278)
-.2	1.00 (0)	-7.8	.992 (-0.073)	-15.4	.968 (-0.285)
-.4	1.00 (0)	-8.0	.991 (-0.076)	-15.6	.967 (-0.293)
-.6	1.00 (0)	-8.2	.991 (-0.08)	-15.8	.966 (-0.3)
-.8	1.00 (-0.001)	-8.4	.99 (-0.084)	-16.0	.965 (-0.308)
-1.0	1.00 (-0.001)	-8.6	.99 (-0.088)	-16.2	.964 (-0.316)
-1.2	1.00 (-0.002)	-8.8	.989 (-0.093)	-16.4	.963 (-0.324)
-1.4	1.00 (-0.002)	-9.0	.989 (-0.097)	-16.6	.962 (-0.332)
-1.6	1.00 (-0.003)	-9.2	.988 (-0.101)	-16.8	.962 (-0.34)
-1.8	1.00 (-0.004)	-9.4	.988 (-0.106)	-17.0	.961 (-0.348)
-2.0	.999 (-0.005)	-9.6	.987 (-0.11)	-17.2	.96 (-0.357)
-2.2	.999 (-0.006)	-9.8	.987 (-0.115)	-17.4	.959 (-0.365)
-2.4	.999 (-0.007)	-10.0	.986 (-0.12)	-17.6	.958 (-0.374)
-2.6	.999 (-0.008)	-10.2	.986 (-0.124)	-17.8	.957 (-0.383)
-2.8	.999 (-0.009)	-10.4	.985 (-0.129)	-18.0	.956 (-0.391)
-3.0	.999 (-0.011)	-10.6	.985 (-0.134)	-18.2	.955 (-0.4)
-3.2	.999 (-0.012)	-10.8	.984 (-0.14)	-18.4	.954 (-0.409)
-3.4	.998 (-0.014)	-11.0	.983 (-0.145)	-18.6	.953 (-0.418)
-3.6	.998 (-0.015)	-11.2	.983 (-0.15)	-18.8	.952 (-0.427)
-3.8	.998 (-0.017)	-11.4	.982 (-0.156)	-19.0	.951 (-0.437)
-4.0	.998 (-0.019)	-11.6	.982 (-0.161)	-19.2	.95 (-0.446)
-4.2	.998 (-0.021)	-11.8	.981 (-0.167)	-19.4	.949 (-0.456)

Systems With Reliability Inc.

CLIENT: *General*
ANTENNA TYPE: FM1/1
FREQUENCY: 98.1
PATTERN POL.: Circular
DIRECTIVITY(Peak): 0.883/-0.539 dBd
DIRECTIVITY(Horiz): 0.883/-0.539 dBd

Date: 11/10/03

Beam Tilt (Deg.) : *0*
Null Fill(s)(%) : *0, 0, 0*

Micro-Tek Eng. Ver. 2.5

Relative Field Tabulation

Elev. Angle	Rel. Fld(dB)	Elev. Angle	Rel. Fld(dB)	Elev. Angle	Rel. Fld(dB)
-19.6	.948 (-0.465)	-27.2	.90 (-0.911)	-54.0	.629 (-4.027)
-19.8	.947 (-0.475)	-27.4	.899 (-0.924)	-55.0	.616 (-4.205)
-20.0	.946 (-0.485)	-27.6	.898 (-0.939)	-56.0	.603 (-4.39)
-20.2	.945 (-0.495)	-27.8	.896 (-0.953)	-57.0	.59 (-4.58)
-20.4	.944 (-0.505)	-28.0	.895 (-0.967)	-58.0	.577 (-4.778)
-20.6	.942 (-0.515)	-28.2	.893 (-0.981)	-59.0	.564 (-4.982)
-20.8	.941 (-0.525)	-28.4	.892 (-0.996)	-60.0	.55 (-5.193)
-21.0	.94 (-0.535)	-28.6	.89 (-1.01)	-61.0	.536 (-5.411)
-21.2	.939 (-0.546)	-28.8	.889 (-1.025)	-62.0	.523 (-5.638)
-21.4	.938 (-0.556)	-29.0	.887 (-1.04)	-63.0	.509 (-5.873)
-21.6	.937 (-0.567)	-29.2	.886 (-1.055)	-64.0	.495 (-6.116)
-21.8	.936 (-0.578)	-29.4	.884 (-1.07)	-65.0	.48 (-6.369)
-22.0	.934 (-0.589)	-29.6	.883 (-1.085)	-66.0	.466 (-6.631)
-22.2	.933 (-0.6)	-29.8	.881 (-1.101)	-67.0	.452 (-6.904)
-22.4	.932 (-0.611)	-30.0	.879 (-1.116)	-68.0	.437 (-7.187)
-22.6	.931 (-0.622)	-31.0	.871 (-1.195)	-69.0	.423 (-7.483)
-22.8	.93 (-0.633)	-32.0	.863 (-1.277)	-70.0	.408 (-7.791)
-23.0	.928 (-0.645)	-33.0	.855 (-1.363)	-71.0	.393 (-8.112)
-23.2	.927 (-0.656)	-34.0	.846 (-1.451)	-72.0	.378 (-8.448)
-23.4	.926 (-0.668)	-35.0	.837 (-1.543)	-73.0	.363 (-8.799)
-23.6	.925 (-0.68)	-36.0	.828 (-1.638)	-74.0	.348 (-9.167)
-23.8	.923 (-0.692)	-37.0	.819 (-1.737)	-75.0	.333 (-9.553)
-24.0	.922 (-0.704)	-38.0	.809 (-1.839)	-76.0	.318 (-9.959)
-24.2	.921 (-0.716)	-39.0	.799 (-1.944)	-77.0	.302 (-10.387)
-24.4	.92 (-0.728)	-40.0	.789 (-2.054)	-78.0	.287 (-10.839)
-24.6	.918 (-0.74)	-41.0	.779 (-2.167)	-79.0	.272 (-11.317)
-24.8	.917 (-0.753)	-42.0	.769 (-2.283)	-80.0	.256 (-11.826)
-25.0	.916 (-0.765)	-43.0	.758 (-2.404)	-81.0	.241 (-12.367)
-25.2	.914 (-0.778)	-44.0	.747 (-2.529)	-82.0	.225 (-12.946)
-25.4	.913 (-0.791)	-45.0	.736 (-2.658)	-83.0	.21 (-13.569)
-25.6	.912 (-0.803)	-46.0	.725 (-2.791)	-84.0	.194 (-14.241)
-25.8	.91 (-0.816)	-47.0	.714 (-2.928)	-85.0	.178 (-14.97)
-26.0	.909 (-0.83)	-48.0	.702 (-3.071)	-86.0	.163 (-15.768)
-26.2	.908 (-0.843)	-49.0	.69 (-3.217)	-87.0	.147 (-16.648)
-26.4	.906 (-0.856)	-50.0	.679 (-3.369)	-88.0	.131 (-17.627)
-26.6	.905 (-0.87)	-51.0	.666 (-3.525)	-89.0	.116 (-18.733)
-26.8	.903 (-0.883)	-52.0	.654 (-3.687)	-90.0	.10 (-20)
-27.0	.902 (-0.897)	-53.0	.642 (-3.854)	90.0	.00 (-50)

Systems With Reliability Inc.

CLIENT: *General*

ANTENNA TYPE: FM1/1

FREQUENCY: 98.1

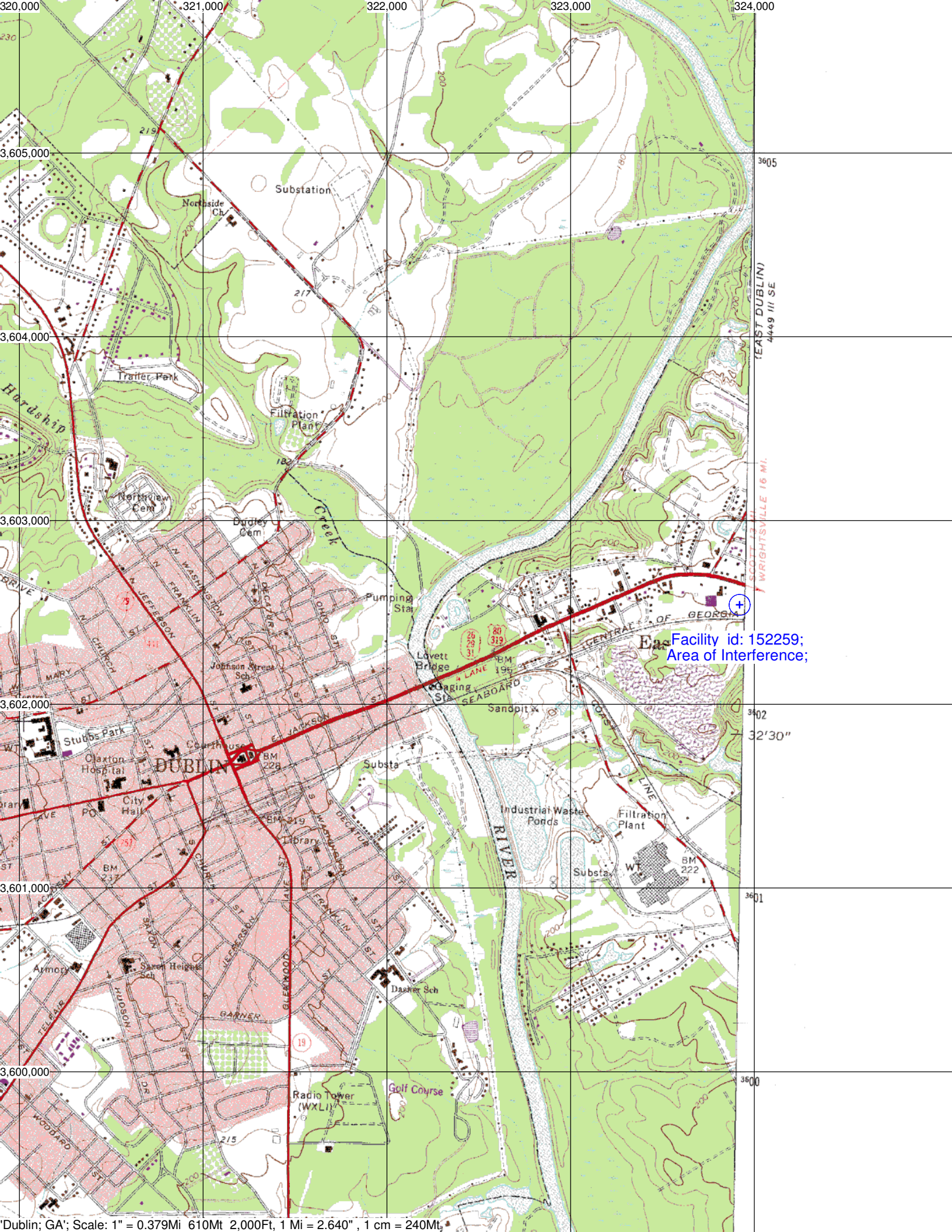PATTERN POL.: Circular

DIRECTIVITY(Peak): 0.883/ -0.539 dBd

DIRECTIVITY(Horiz): 0.883/ -0.539 dBd

Date: 11/10/03

Beam Tilt (Deg.) : 0

Null Fill(s)(%) : 0, 0, 0

Micro-Tek Eng. Ver. 2.5

Adjacent Channel Study
For Station W259AG, Facility_id: 152259

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
76515	23939	BLED	19850227KR	WMUM-FM	GEORGIA PUBLIC TELECOMMUNICATIONS COMM	C	COCHRAN	GA	LIC	100	421	209	3	36.7	0.2268
423855	121886	BNPFT	19991203AAF	NEW	PENSACOLA CHRISTIAN COLLEGE, INC.	D	WARNER ROBINS	GA	APP	0.01	277	207	1	55.5	0
491609	122605	BNPFT	20000131ABZ	NEW	PENSACOLA CHRISTIAN COLLEGE, INC.	D	MILLEDGEVILLE	GA	APP	0.013	199	207	1	63.4	0
292013	23907	BLED	1417	WGUR		D	MILLEDGEVILLE	GA	LIC	0.037	115	205	1	67.8	0
1061544	76358	BLED	20050510ABV	WBKG	AMERICAN FAMILY ASSOCIATION	C3	MACON	GA	LIC	5.5	264	205	1	68.4	0
252234	22871	BLED	19970818KA	WMOC	FULL GOSPEL CHURCH OF GOD WRITTEN	C2	LUMBER CITY	GA	LIC	50	113	204	2	71	0
1042113	123359	BNPFT	20000511AAW	NEW	COMMUNITY PUBLIC RADIO, INC.	D	WARNER ROBINS	GA	APP	0.001	169	207	1	74.2	0
498242	123359	BNPFT	20000511AAW	NEW	COMMUNITY PUBLIC RADIO, INC.	D	WARNER ROBINS	GA	APP	0.05	147	207	1	77	0
586618	78537	BLFT	20011031ABN	W203BH	CALVARY CHAPEL OF TWIN FALLS, INC.	D	MACON	GA	LIC	0.01	247	203	3	81.6	0
534476	92979	BLED	20001115AAE	WJDS	AUGUSTA RADIO FELLOWSHIP INSTITUTE, INC.	A	SPARTA	GA	LIC	2	194	204	2	85.9	0
596846	82835	BLED	20020305AAP	WBJY	AMERICAN FAMILY ASSOCIATION	C1	AMERICUS	GA	LIC	65	296	207	1	130.3	0
132240	60960	BLED	19890814KA	WLJK	SOUTH CAROLINA EDUCATIONAL TV COMM.	C1	AIKEN	SC	LIC	10	498	206	0	135.9	0

320,000   321,000   322,000   323,000   324,000

3,605,000   3605

Substation

Northside Ch

(EAST DUBLIN)
4449 III SE

3,604,000

Trailer Park

Hardship

Filtration Plant

WRIGHTSVILLE 16 MI.

Northview Cem

Creek

Dudley Cem

3,603,000

Pumping Sta

Facility id: 152259;
Area of Interference;

Lovett Bridge

BM 195

4 LANE

CENTRAL OF GEORGIA

East

Gaging Sta

SEABOARD

3,602,000   3602

Sandpit

32'30"

Stubbs Park

Courthouse

BM 228

Substa

Claxton Hospital

DUBLIN

City Hall

RIVER

Industrial Waste Ponds

Filtration Plant

Library

BM 219

Substa

WT

BM 222

3,601,000   3601

BM 237

Armory

Saxon Heights Sch

Dasher Sch

3,600,000   3600

Woodard

Radio Tower (WXLI)

Golf Course

215

'Dublin; GA'; Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt