

[Exhibit 13]

Non-Interference Compliance

Regarding Facility id 148623

Channel 219

Description of Exhibit 13 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 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 dB μ 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 4 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 5 of this exhibit is an aerial photo of the vicinity surrounding the proposed translator's tower site.

Note: There are no buildings nor major roads within the zone of predicted interference, so 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.

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 dB μ 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
124679	BLED19890228KA	WJTG	72.8	72.8
	Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour			72.8

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 **72.8 dB μ** , this makes the proposed translator's worst-case interfering contour **112.8 dB μ** . By the free-space equation, this contour is calculated to extend a maximum of **88 m** from the transmit antenna.

The interfering contour of the proposed translator was calculated for 120 radials and plotted on the pertinent portion of a USGS quadrangle (page 4 of this exhibit). As demonstrated on the quadrangle, there are no populated structures or highways within the area of interference (Note: FCC 02-244 at Section II.A.6 states that USGS quadrangles "have been recognized as acceptable to demonstrate lack of population").

Note: There are no buildings nor major roads within the zone of predicted interference, so 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: WRL
Antenna Model: FMPV1
CORAGL: 6 m
Maximum ERP: 0.03 kW
Interfering Contour: 112.8 dB μ
Max Int. Contour Distance: 88 m

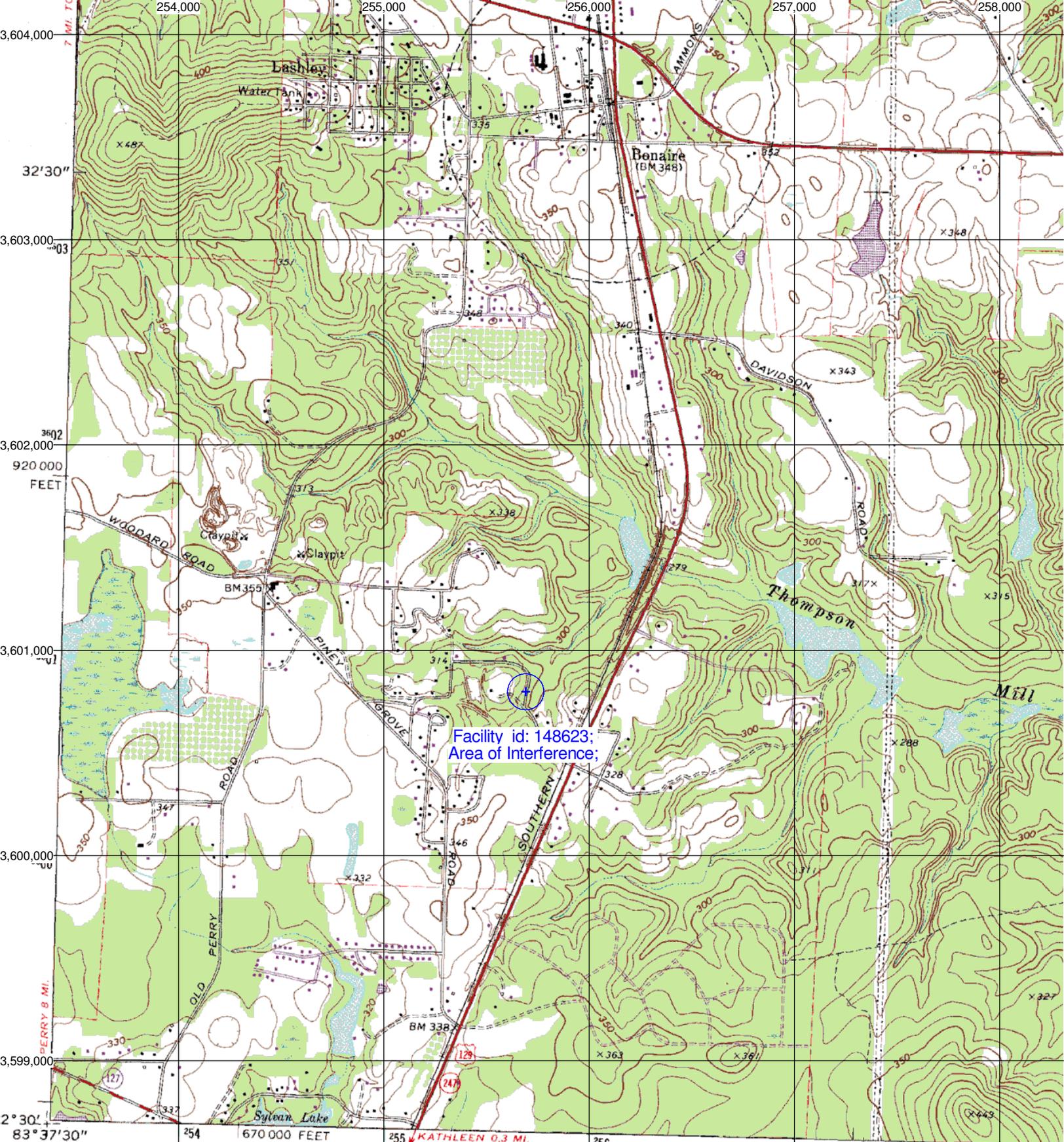
**Adjacent Channel Study
For Station W219DH, Facility_id: 148623**

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
124679	32358	BLED	19890228KA	WJTG	FAMILY LIFE BROADCASTING, INC.	C1	FORT VALLEY	GA	LIC	100	275	217	2	40.1	1.4918
1298487	149343	BPFT	20090302AAL	W276BK	RADIO ASSIST MINISTRY, INC.	D	COCHRAN	GA	CP	0.008	266	222	3	29.5	0
1226480	165954	BLED	20071227ABY	WHHR	EDGEWATER BROADCASTING INC.	A	VIENNA	GA	LIC	5.1	206	221	2	37.7	0
176111	54672	BLH	19920813KB	WLZN	CUMULUS LICENSING LLC	A	MACON	GA	LIC	3	211	222	3	38.8	0
296010	10859	Null	Null	880421NF	CHIZOMAN, INC.	A	MACON	GA	USE	0	0	222	3	39.8	0
498185	0	RM	9905	Null		A	VIENNA	GA	USE	0	0	221	2	41.3	0
1185815	143424	BLFT	20070514AAQ	W220DJ	EDGEWATER BROADCASTING INC.	D	EASTMAN	GA	LIC	0.12	121	220	1	45.9	0
635622	143419	BNPFT	20030317DJI	NEW	RADIO ASSIST MINISTRY, INC.	D	AMERICUS	GA	APP	0.01	265.4	221	2	70.7	0
628349	138317	BNPFT	20030310ABV	NEW	AUGUSTA RADIO FELLOWSHIP INSTITUTE, INC	D	ELLAVILLE	GA	APP	0.013	255	222	3	72.3	0
1297492	121765	BLED	20090304ADN	WZZG	AUGUSTA RADIO FELLOWSHIP INSTITUTE, INC	A	TOOMSBORO	GA	LIC	2.3	258.4	220	1	81.9	0
627944	138226	BNPFT	20030310AAS	NEW	AUGUSTA RADIO FELLOWSHIP INSTITUTE, INC	D	PLAINS	GA	APP	0.013	249	222	3	86.2	0
147222	23919	BLED	19900405KB	WUNV	GEORGIA PUBLIC TELECOMMUNICATIONS COM	A	ALBANY	GA	LIC	3	174	219	0	96.2	0
93836	18179	BLH	19861029KB	WJGA-FM	EARNHART BROADCASTING CO., INC.	A	JACKSON	GA	LIC	2.15	304	221	2	101.3	0
290328	18179	Null	Null	WJGA-FM	EARNHART BROADCASTING CO., INC.	A	JACKSON	GA	USE	0	0	221	2	101.3	0
1395149	23950	BLED	20100810AAI	WGPH	AUGUSTA RADIO FELLOWSHIP INSTITUTE, INC	C2	VIDALIA	GA	LIC	31	256	218	1	104.3	0
109413	23925	BLED	19880211KC	WABR	GEORGIA PUBLIC TELECOMMUNICATIONS COM	C2	TIFTON	GA	LIC	30	172	216	3	104.4	0

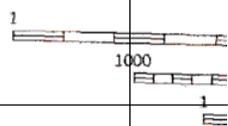
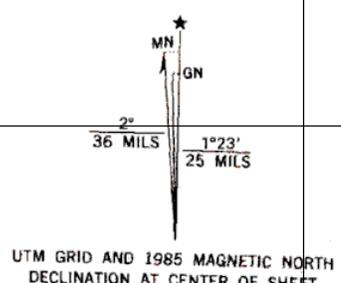
Intermediate Frequencies (53 and 54 channels difference):

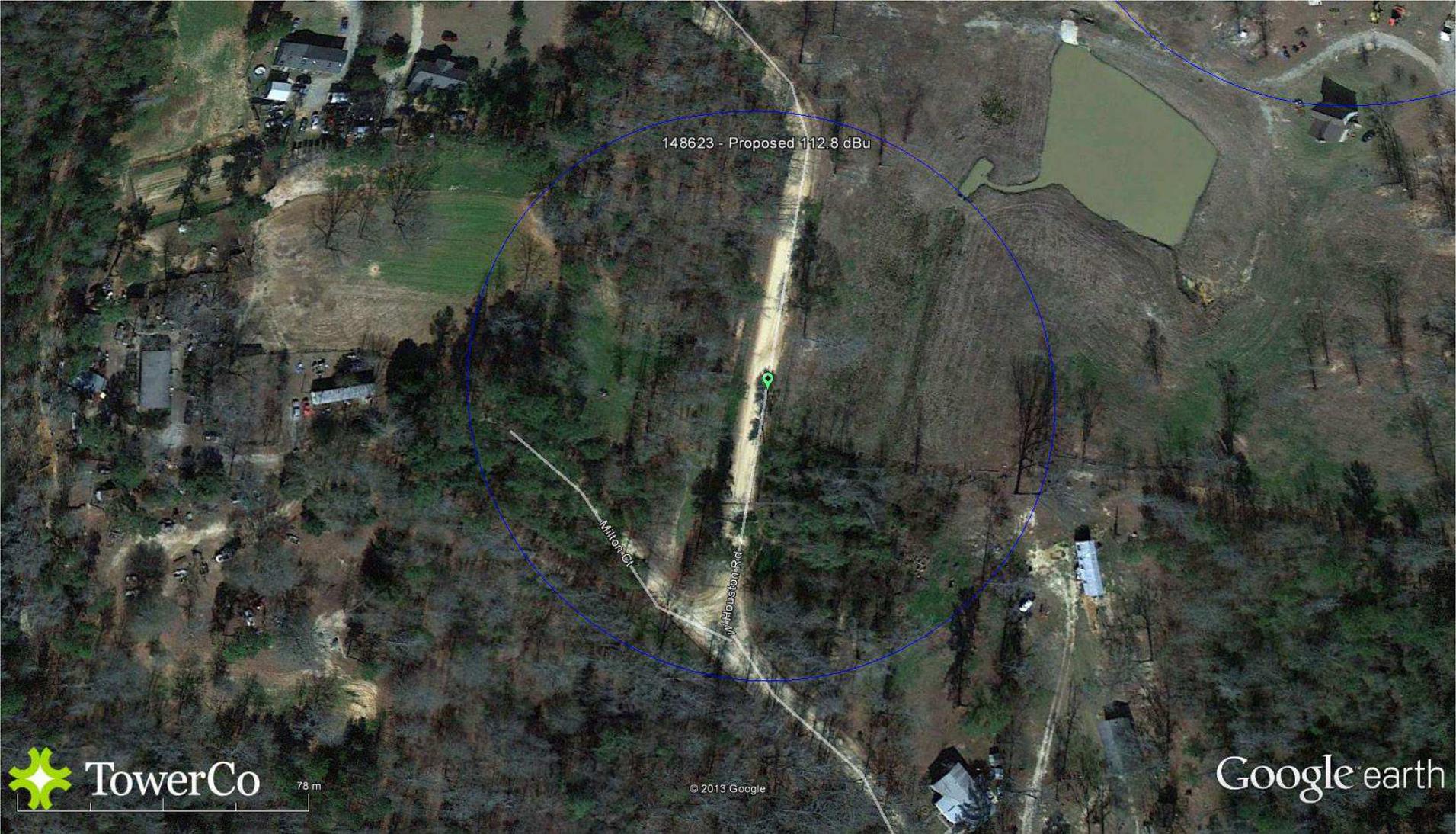
Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Clr
1450413	29129	BMLD	20111024ABE	WZCH	EDUCATIONAL MEDIA FOUNDATION	A	WARNER ROBINS	GA	LIC	4	206	273	54	18.5	8.5
292700	25010	Null	Null	900531MD	GREAT SCOTT BROADCASTING	A	WARNER ROBINS	GA	USE	0	0	273	54	19	9
498014	0	RM	9855	Null		A	JACKSONVILLE	GA	USE	0	0	272	53	76.4	66.4
1437688	143435	BLFT	20110728AWT	W273CB	RADIO ASSIST MINISTRY, INC.	D	SOPERTON	GA	LIC	0.25	71	273	54	78	68
294635	73301	Null	Null	WKZR	WMVG, INC.	A	MILLEDGEVILLE	GA	USE	0	0	272	53	78.3	68.3
138271	73301	BMLH	19891227KE	WKZR	WMVG, INC.	A	MILLEDGEVILLE	GA	LIC	3.3	213	272	53	78.3	68.3
1395000	165953	BLH	20100809CNL	WSIZ-FM	WORLD RADIO LINK, INC.	A	JACKSONVILLE	GA	LIC	5.5	170	272	53	85.5	75.5



Facility id: 148623;
Area of Interference;

Mapped, edited, and published by the Geological Survey
 Control by USGS and NOS/NOAA
 Topography by photogrammetric methods from aerial
 photographs taken 1973. Field checked 1973
 Projection and 10,000-foot grid ticks: Georgia
 coordinate system, west zone (transverse Mercator)
 1000-meter Universal Transverse Mercator grid ticks,
 zone 17, shown in blue
 1927 North American Datum
 To place on the predicted North American Datum 1983
 move the projection lines 14 meters south and
 11 meters west as shown by dashed corner ticks
 Warner Robins SE, GA; Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt





79 m

© 2013 Google

Google earth

Google earth

feet
meters

