

Non-Interference Compliance

Regarding Facility id 152366

Channel 258

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 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 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: The only structures within the zone of predicted interference are unoccupied communications buildings 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 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
566716	BLH20010530AAX	WDEN-FM	86.7	86.7
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				86.7

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 **86.7 dBμ**, this makes the proposed translator's worst-case interfering contour **126.7 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **44.7 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: The only structures within the zone of predicted interference are unoccupied communications buildings 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: SHI
Antenna Model: 6832-2(.5)
CORAGL: 104 m
Maximum ERP: 0.19 kW
Interfering Contour: 126.7 dBμ
Max Int. Contour Distance: 44.7 m

Adjacent Channel Study **For Station W258AP, Facility_id: 152366**

Co-channel through third adjacent:

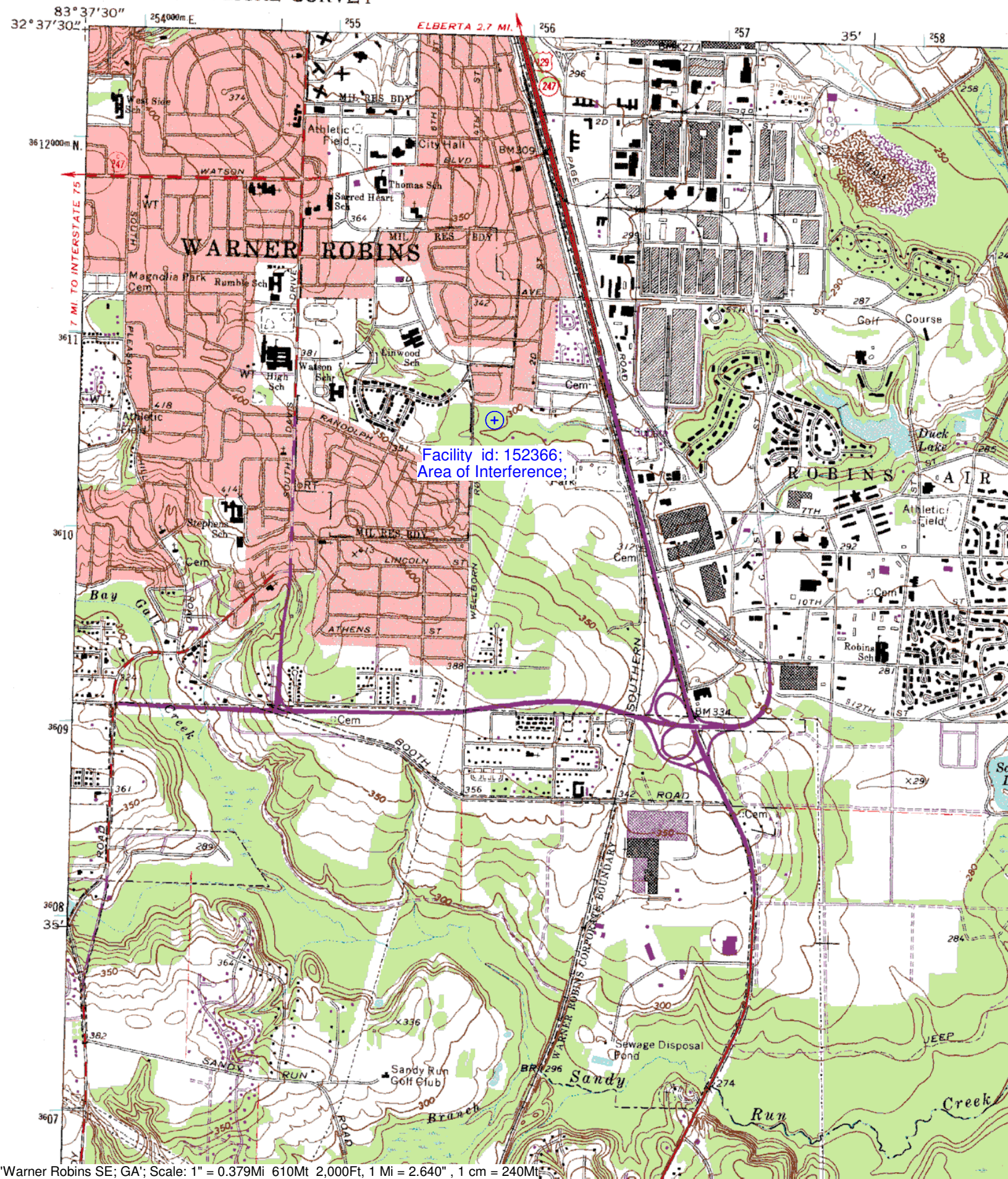
App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Char	Adj	Dist	Overlap
566716	46996	BLH-20010530AAX	WDEN-FM	CUMULUS LICENSING LLC	C1	MACON	GA	LIC	100	290	256	2	17.9	1.1934
210740	15309	BLH-19950627KD	WNNG-FM	GEORGIA EAGLE MEDIA, INC.	A	UNADILLA	GA	LIC	6	212	260	2	37	0
288964	41990	BLH-6007	WQMJ	ROBERTS COMMUNICATIONS, IN	A	FORSYTH	GA	LIC	3	246	261	3	47.7	0
1175914	138321	BLFT-20070308ADK	W258AM	AUGUSTA RADIO FELLOWSHIP II	D	FIVE POINTS	GA	LIC	0.01	295	258	0	64.2	0
188725	54830	BMLH-19930802KC	WSNT-FM	RADIO STATION WSNT, INC.	A	SANDERSVILLE	GA	LIC	3	174	260	2	84.6	0
1719278	151847	BLFT-20160126ACF	W255CU	OUR THREE SONS BROADCASTI	D	MCRAE	GA	LIC	0.075	86	255	3	92.7	0
1450318	152354	BLFT-20111012AEH	W259AK	RADIOJONES, LLC	D	SWAINSBORO	GA	LIC	0.25	171	259	1	116.8	0
147077	66668	BMLH-19900403KA	WGSY	CC LICENSES, LLC	A	PHENIX CITY	AL	LIC	6	225	261	3	132.5	0
1424511	54670	BLH-20110411ABS	WKN	PMB BROADCASTING, LLC	C2	FORT BENNING S	GA	LIC	29	276.9	257	1	137.2	0
660254	73345	BLH-20030514ABW	WWWQ	RADIO LICENSE HOLDING SRC L	C0	ATLANTA	GA	LIC	96.6	612	259	1	150	0
1679452	71343	BMLH-20150602AAW	WKAA	SOUTHERN COMMUNICATIONS,	C1	WILLACOOCHEE	GA	LIC	73	302	258	0	161.2	0
1598654	54879	BPH-20130412AAF	WBAW-FM	BULLIE BROADCASTING CORPO	C1	PEMBROKE	GA	CP	100	281.3	257	1	176.3	0

Intermediate Frequencies (53 and 54 channels difference):

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Clr
1061544	76358	BLED-20050510ABV	WBKG	AMERICAN FAMILY ASSOCIATIO	C3	MACON	GA	LIC	5.5	264	205	53	17.9	5.9
428784	23908	BLED-19991215ABA	WKEU-FM	GEORGIA PUBLIC RADIO, INC.	C2	THE ROCK	GA	LIC	5	466	205	53	82.9	67.9
1596566	90111	BMLD-20131118AA	WFRP	FAMILY STATIONS, INC.	A	AMERICUS	GA	LIC	4.2	198	204	54	85.7	75.7
534476	92979	BLED-20001115AAE	WJDS	AUGUSTA RADIO FELLOWSHIP II	A	SPARTA	GA	LIC	2	194	204	54	96.5	86.5

4249 II NW
(WARNER
ROBINS NW)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Facility id: 152366;
Area of Interference;

