

## **Non-Interference Compliance**

Regarding Facility id 147937

Channel 248

### **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 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.

### 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.

<b>Application_id</b>	<b>File Number</b>	<b>Callsign</b>	<b>Contour at Tower</b>	<b>Min. Contour</b>
1024856	BPH20040629ABT	WEZB	103.3	102.5
177046	BLH19920918KG	WEZB	95.7	95.7
981718	BMLH20031124APH	WEZB	101.2	100.3
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				<b>95.7</b>

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 **95.7 dBμ**, this makes the proposed translator's worst-case interfering contour **135.7 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **9.3 m** from the transmit antenna.

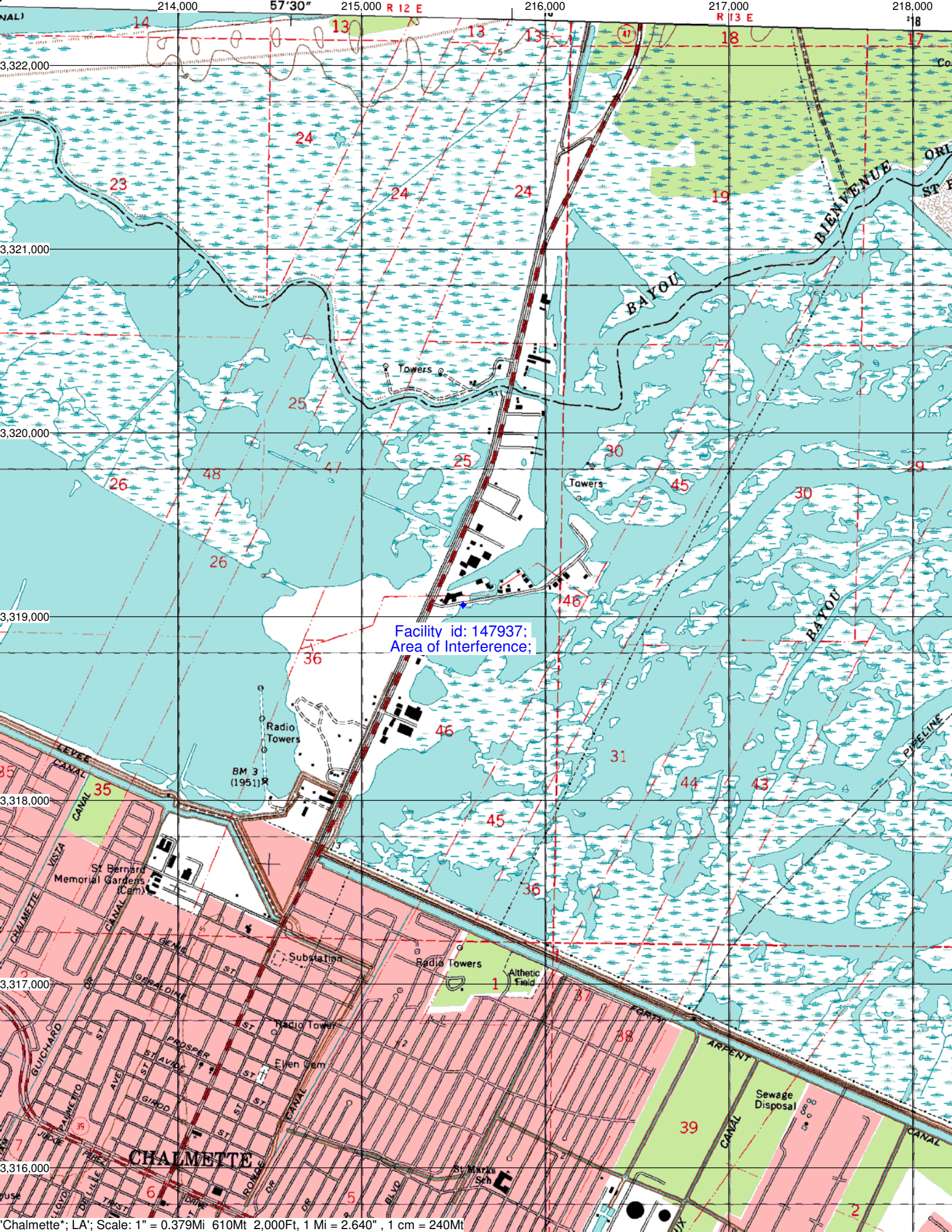
The interfering contour of the proposed translator was calculated for 120 radials and plotted on the pertinent portion of a USGS quadrangle (page 4 of this exhibit). As demonstrated on the quadrangle, there are no populated structures or highways within the area of interference (Note: FCC 02-244 at Section II.A.6 states that USGS quadrangles "have been recognized as acceptable to demonstrate lack of population"). 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:** NIC  
**Antenna Model:** BKG77  
**CORAGL:** 13 m  
**Maximum ERP:** 0.065 kW  
**Interfering Contour:** 135.7 dBμ  
**Max Int. Contour Distance:** 9.3 m

# **Adjacent Channel Study** **For Station K248BB, Facility\_id: 147937**

## **Co-channel through third adjacent:**

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCMSL	Channel	Adj	Dist	Overlap
981718	20346	BMLH	20031124APH	WEZB	ENTERCOM NEW ORLEANS LICENSE, LLC	C	NEW ORLEANS	LA	LIC	99	300	246	2	9.4	0.3879
177046	20346	BLH	19920918KG	WEZB	SINCLAIR RADIO OF NEW ORLEANS LICENS	C	NEW ORLEANS	LA	LIC	62	198	246	2	9.4	0.3879
1024856	20346	BPH	20040629ABT	WEZB	ENTERCOM NEW ORLEANS LICENSE, LLC	C	NEW ORLEANS	LA	APP	100	452	246	2	9.8	0.3879
646183	152972	BNPFT	20030317IXI	NEW	RADIO ASSIST MINISTRY, INC.	D	JEAN LAFITTE	LA	APP	0.013	116.6	249	1	35.2	0
640735	147971	BNPFT	20030317IXF	NEW	RADIO ASSIST MINISTRY, INC.	D	JEAN LAFITTE	LA	APP	0.013	116.6	248	0	35.2	0
681980	147981	BNPFT	20030826AKE	K248BA	RADIO ASSIST MINISTRY, INC.	D	SLIDELL	LA	CP	0.01	158	248	0	36.9	0
681983	147948	BNPFT	20030826AKF	K248BF	RADIO ASSIST MINISTRY, INC.	D	COVINGTON	LA	CP	0.013	125	248	0	59	0
646176	152965	BNPFT	20030317IXD	NEW	RADIO ASSIST MINISTRY, INC.	D	HAMMOND	LA	APP	0.027	92.6	249	1	68.4	0
179734	72194	BLH	19921208KE	WCPR-FM	TRIAD BROADCASTING COMPANY, LLC	C2	WIGGINS	MS	LIC	50	177	250	2	106	0
83681	25518	BLH	19851122KD	WDGL	GUARANTY BROADCASTING CORPORATION	C	BATON ROUGE	LA	LIC	95	464	251	3	129.3	0



Facility id: 147937;  
Area of Interference;