

[Exhibit 13]

## **Non-Interference Compliance**

Regarding Facility id 148547

Channel 276

### **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 $\mu$  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.

## 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 $\mu$  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>
192932	BLH19931213KC	WJAD	78.6	78.3
	Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour			<b>78.3</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 **78.3 dB $\mu$** , this makes the proposed translator's worst-case interfering contour **118.3 dB $\mu$** . By the free-space equation, this contour is calculated to extend a maximum of **33 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:** 229 m  
**Maximum ERP:** 0.015 kW  
**Interfering Contour:** 118.3 dB $\mu$   
**Max Int. Contour Distance:** 33 m

**Adjacent Channel Study  
For Station W273AW, Facility\_id: 148547**

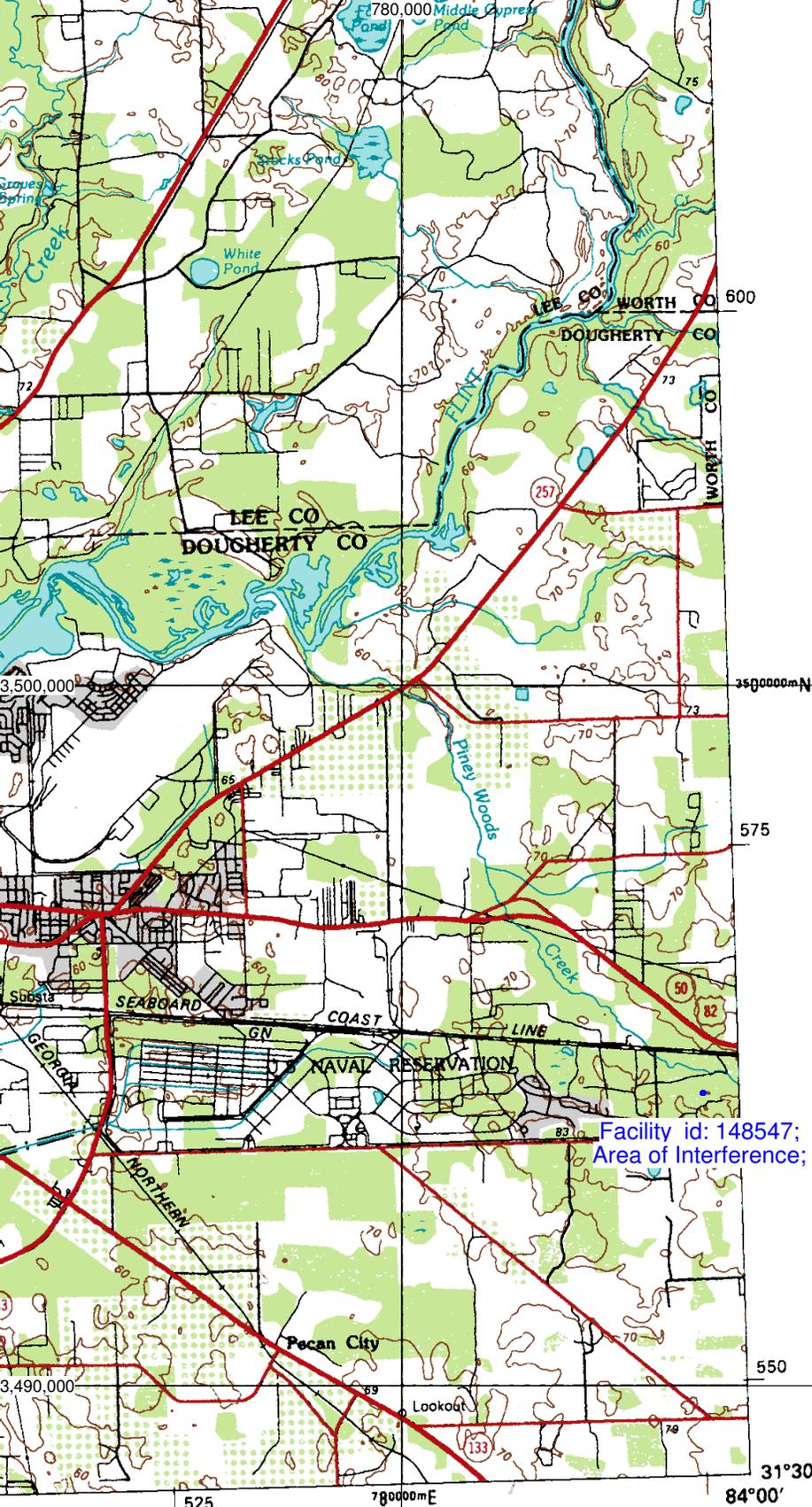
**Co-channel through third adjacent:**

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
192932	57782	BLH	19931213KC	WJAD	CUMULUS LICENSING LLC	C3	LEESBURG	GA	LIC	12.5	212	278	2	14.6	0.0895
247026	5186	BLFT	19970528TF	W273AE	BIBLE BROADCASTING NETWORK, INC.	D	ALBANY	GA	LIC	0.055	121	273	3	20.1	0
198693	317	BLED	19940426KA	WPLH	ABRAHAM BALDWIN AGRICULTURAL COLLEGE	D	TIFTON	GA	LIC	0.029	150	276	0	46	0
1407016	143421	BPFT	20101112ADI	W272CK	EDGEWATER BROADCASTING INC.	D	TIFTON	GA	APP	0.01	203	274	2	46.2	0
1185162	138271	BLFT	20070330BCO	W279AS	AUGUSTA RADIO FELLOWSHIP INSTITUTE, INC	D	COLQUITT	GA	LIC	0.013	150	279	3	63.6	0
1095640	140856	BLFT	20051104AAE	W275AY	DAVID ALLEN TAYLOR	D	NASHVILLE	GA	LIC	0.17	101	275	1	77.9	0
1224144	151479	BLFT	20071205ADN	W279BD	LENROB ENTERPRISES, INC.	D	THOMASVILLE	GA	LIC	0.016	148	279	3	78.9	0
1367402	151479	BPFT	20100506AFI	W279BD	LENROB ENTERPRISES, INC.	D	THOMASVILLE	GA	CP	0.035	150	279	3	79.3	0
191820	57758	BLH	19931112KB	WULS	WULS INC.	A	BROXTON	GA	LIC	6	181	279	3	107.3	0
703382	39457	BMLH	20031121AEG	WVRK	CC LICENSES, LLC	C	COLUMBUS	GA	LIC	100	589	275	1	112.9	0
692116	48644	BLH	20031023ACH	WXHT	RTG RADIO, LLC, DEBTOR-IN-POSSESSION	C3	MADISON	FL	LIC	19	158	274	2	114.2	0
202223	29129	BLH	19940902KC	WZCH	ALOHA STATION TRUST, LLC	A	WARNER ROBINS	GA	LIC	4	206	273	3	118	0
259306	9312	BMLH	19971215KD	WWOF	OPUS BROADCASTING TALLAHASSEE, LLC	C2	TALLAHASSEE	FL	LIC	5	129	276	0	119.2	0
247357	9312	BLH	19970530KB	WWOF	OPUS BROADCASTING TALLAHASSEE, LLC	C2	TALLAHASSEE	FL	LIC	42	201	276	0	119.3	0
603110	6891	BLH	20020522AAB	WESP	GULF SOUTH COMMUNICATIONS, INC	C3	DOTHAN	AL	LIC	16.5	205	273	3	127.5	0
1243820	60372	BLH	20080429ABC	WLTC	PMB BROADCASTING, LLC	C3	CUSSETA	GA	LIC	4.8	337	279	3	130.8	0

To convert multiply by 0.3048

Diagram is approximate

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# Topographic Map Sy

- Primary highway, hard surface .....
- Secondary highway, hard surface .....
- Light duty road, principal street, hard or improved surface .....
- Other road or street; trail .....
- Route marker: Interstate; U. S.; State .....
- Railroad: standard gage; narrow gage .....
- Bridge; overpass; underpass .....
- Tunnel: road; railroad .....
- Built up area; locality; elevation .....
- Airport; landing field; landing strip .....
- National boundary .....
- State boundary .....
- County boundary .....
- National or State reservation boundary .....
- Land grant boundary .....
- U. S. public lands survey: range, township; section .....
- Range, township; section line: protracted .....
- Power transmission line; pipeline .....
- Dam; dam with lock .....
- Cemetery; building .....
- Windmill; water well; spring .....
- Mine shaft; edit or cave; mine, quarry; gravel pit .....
- Campground; picnic area; U. S. location monument .....
- Ruins; cliff dwelling .....
- Distorted surface: strip mine, leve, sand .....
- Contours: index; intermediate; supplementary .....
- Bathymetric contours: index; intermediats .....
- Stream, lake: perennial; intermittent .....
- Rapids, large and small; falls, large and small .....
- Area to be submerged; marsh, swamp .....
- Land subject to controlled inundation; woodland .....
- Scrub; mangrove .....
- Orchard; vineyard .....

Facility id: 148547;  
Area of Interference;

A pamphlet describing topographic maps is available

**ALBANY, GEORGIA**  
**N3130-W8400/30 X 60**  
**1981**

