

Non-Interference Compliance

Regarding Facility id 148289

Channel 262

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.

As can be seen, the predicted area of interference does not extend over any populated structures or major roads.

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
1139632	BLH20060713AAB	WANK	60.7	60.7
595000	BMLH20020222AAQ	WFLA-FM	64.1	63.9
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				60.7

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 **60.7 dBμ**, this makes the proposed translator's worst-case interfering contour **100.7 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **1023.2 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: SCA
Antenna Model: HDCA10-2sk
CORAGL: 10 m
Maximum ERP: 0.25 kW
Interfering Contour: 100.7 dBμ
Max Int. Contour Distance: 1023.2 m

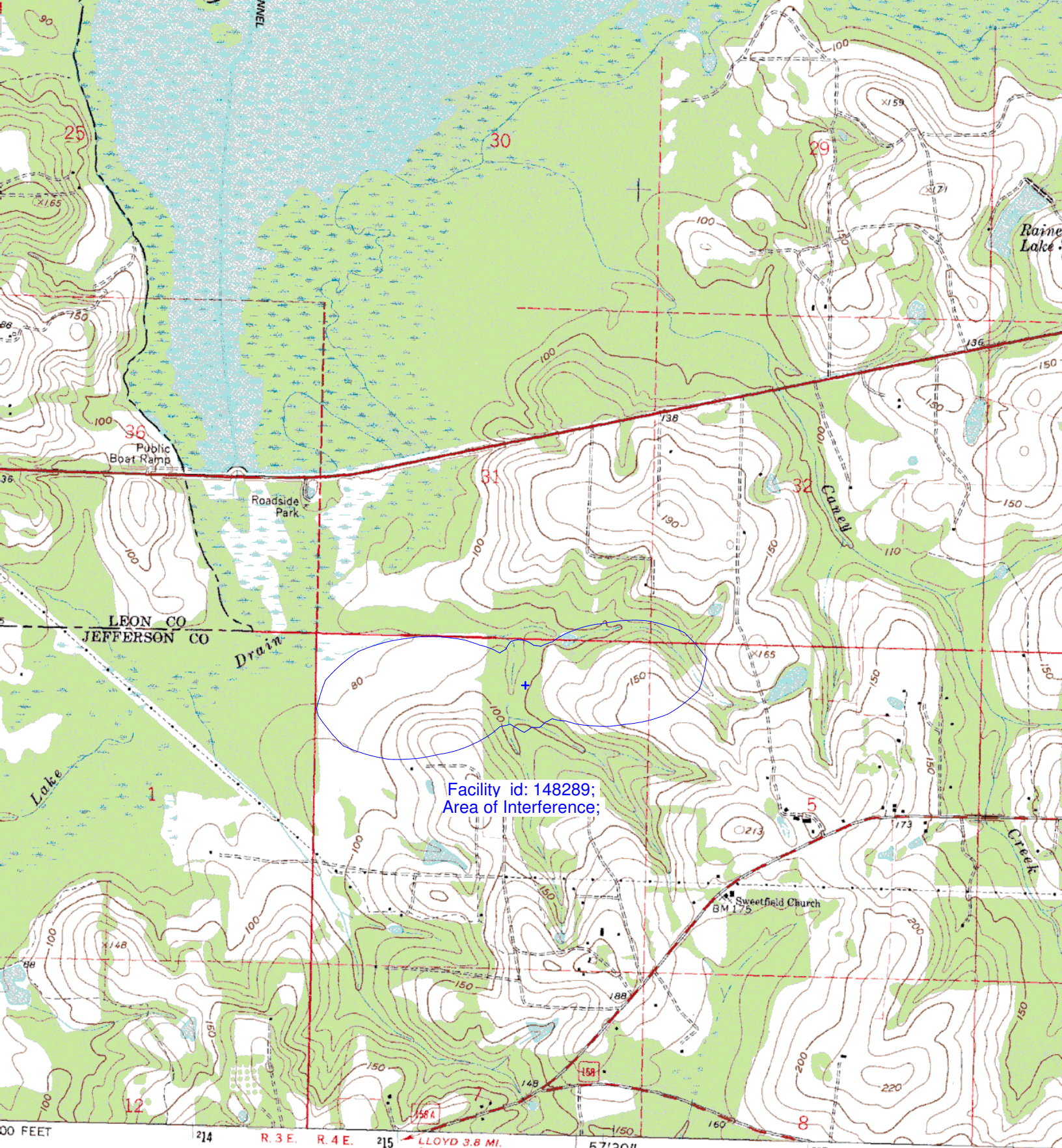
Adjacent Channel Study
For Station W259BK, Facility_id: 148289

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCMSL	Chan	Adj	Dist	Overlap
595000	5379	BMLH-20020222AAQ	WFLA-FM	CLEAR CHANNEL BROADCASTING LICENSES, INC	C3	MIDWAY	FL	LIC	11.5	184	264	2	31.2	1.0107
1139632	9311	BLH-20060713AAB	WANK	OPUS BROADCASTING TALLAHASSEE, LLC	A	LAFAYETTE	FL	LIC	5.5	127	260	2	25.9	1.0058
1358134	185026	BNPED-20100225ADR	NEW	ANGEL MINISTRIES OF LAKE CITY	A	LIVE OAK	FL	APP	5	96	261	1	95.7	0
1357533	184781	BNPED-20100226AJE	WILA	LEARNING AVENUE, INC.	A	LIVE OAK	FL	CP	6	134	261	1	100.8	0
1117956	74182	BMLH-20060308ACZ	WOBB	CC LICENSES, LLC	C0	TIFTON	GA	LIC	100	412	262	0	103.3	0
78129	73674	BLH-19850506KS	WOOF-FM	WOOF, INC.	C1	DOTHAN	AL	LIC	100	380	259	3	150.3	0

Intermediate Frequencies (53 and 54 channels difference):

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCMSL	Channel	Adj	Dist	Clr
1410626	4204	BLED-20101207ADA	WVFS	FLORIDA STATE UNIVERSITY	C3	TALLAHASSEE	FL	LIC	7	82	209	53	32.7	20.7
156946	68201	BLED-19910201KD	WGSG	SON FIRST BROADCASTING, INC.	C3	MAYO	FL	LIC	20	94	208	54	96.1	84.1



Facility id: 148289;
Area of Interference;

ed by the Geological Survey

ethods from aerial photographs
and 1963

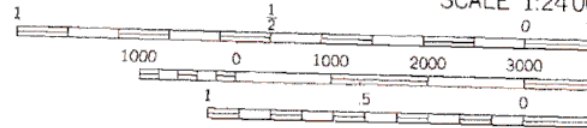
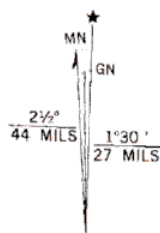
grid based on
ne
Mercator grid ticks,

27)

AD 83) is shown by dashed
t between NAD 27 and NAD 83

en in USGS Bulletin 1875
Lake Miccosukee; FL; Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640", 1 cm = 240Mt

UTM GRID AND 1993 MAGNETIC NORTH



CONTOUR INTERVAL
NATIONAL GEODETIC VERTICAL

