

[Exhibit 12]

## **Non-Interference Compliance**

Regarding Facility id 148362

Channel 260

### **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>
1117956	BMLH20060308ACZ	WOBB	65	65
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				<b>65</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 **65 dBμ**, this makes the proposed translator's worst-case interfering contour **105 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **243.2 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:** NIC  
**Antenna Model:** BKG77  
**CORAGL:** 10 m  
**Maximum ERP:** 0.038 kW  
**Interfering Contour:** 105 dBμ  
**Max Int. Contour Distance:** 243.2 m

**Adjacent Channel Study**  
**For Station W260BS, Facility\_id: 148362**

**Co-channel through third adjacent:**

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1117956	74182	BMLH	20060308ACZ	WOBB	CC LICENSES, LLC	C0	TIFTON	GA	LIC	100	412	262	2	61.8	0.2268
645341	152220	BNPFT	20030317DPZ	NEW	EDGEWATER BROADCASTING, INC.	D	CAIRO	GA	APP	0.013	177.3	257	3	16	0
1134299	144622	BLFT	20060616AAC	W258BC	WAY-FM MEDIA GROUP, INC	D	PERKINS	FL	LIC	0.01	144	258	2	60.9	0
1139632	9311	BLH	20060713AAB	WEGT	OPUS BROADCASTING TALLAHASSEE, LLC	A	LAFAYETTE	FL	LIC	5.5	127	260	0	61.1	0
1177616	144622	BMPFT	20070320AJD	W258BC	WAY-FM MEDIA GROUP, INC	D	PERKINS	FL	CP MOD	0.25	123	258	2	64.1	0
651676	158101	BNPFT	20030317MHK	NEW	CLEAR CHANNEL BROADCASTING LICENSES, INC	D	PALMYER	GA	APP	0.2	104	258	2	68.1	0
1182217	71343	BPH	20070413AAB	WKAA	RTG RADIO, LLC	C1	WILLACOOCHEE	GA	APP	73	302	258	2	82.4	0
1020138	71343	BLH	20041020ADN	WKAA	RTG RADIO, LLC	C1	WILLACOOCHEE	GA	LIC	43	302.4	258	2	82.4	0
78129	73674	BLH	19850506KS	WOOF-FM	WOOF, INC.	C1	DOTHAN	AL	LIC	100	380	259	1	104.4	0
1201068	60591	BMPH	20071026AAY	WLDA	MAGIC BROADCASTING ALABAMA LICENSING, LL	C3	SLOCOMB	AL	APP	16.5	205.6	263	3	114.2	0
1045497	60591	BPH	20050218AAI	WLDA	STYLES MEDIA GROUP, LLC	C3	SLOCOMB	AL	CP	25	178.6	263	3	119.7	0

