[Exhibit 12]
Non-Interference Compliance
Regarding Facility id 148570 Channel 271

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.

Note: The quadrangle indicates the presence of a county road in the area of interference. It is apparent that this is not a major road, *e.g.* interstate highway, as described in the Living Way decision and therefore "lack of population" is demonstrated.

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
597108	BLH20020308AAT	WBEI	70.7	70.6
624904	BLH20030207AAP	WDXB	63.2	63.1

Minimum F(50,50) Contour of Adjacent Station within
Proposed Translator's Standard Interfering Contour **63.1**

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 **63.1 dBµ**, this makes the proposed translator's worst-case interfering contour **103.1 dBµ.** By the free-space equation, this contour is calculated to extend a maximum of **155.2 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.

Note: The quadrangle indicates the presence of a county road in the area of interference. It is apparent that this is not a major road, *e.g.* interstate highway, as described in the Living Way decision and therefore "lack of population" is demonstrated.

Antenna Manufacturer:	**BEX**
Antenna Model:	**TFC2K**
CORAGL:	**134 m**
Maximum ERP:	**0.01 kW**
Interfering Contour:	**103.1 dBµ**
Max Int. Contour Distance:	**155.2 m**

Adjacent Channel Study
For Station W271AM, Facility_id: 148570

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
597108	67577	BLH	20020308AAT	WBEI	RADIO SOUTH, INC,	C2	REFORM	AL	LIC	22.5	309	269	2	31.9	0.0597
624904	2114	BLH	20030207AAP	WDXB	CAPSTAR TX LIMITED PARTNERSHIP	C1	JASPER	AL	LIC	90	494	273	2	67	0.0597
1065257	2114	BXLH	20050527BJK	WDXB	CAPSTAR TX LIMITED PARTNERSHIP	C1	JASPER	AL	LIC	32	402	273	2	67	0
682706	156282	BNPFT	20030828AOG	W270AQ	EDUCATIONAL MEDIA FOUNDATION	D	GORGAS	AL	CP	0.019	226	270	1	72.1	0
980995	134041	BLL	20031009AGA	WJWC-LP	GALLION URBAN BROADCAST ASSOCIATION, INC	L1	GALLION	AL	LIC	0	80	270	1	74	0
1102133	41641	BLED	20051201BVO	WQEM	GLEN IRIS BAPTIST SCHOOL	A	COLUMBIANA	AL	LIC	1.8	365	268	3	74.8	0
682789	156355	BNPFT	20030828AUX	W268AO	EDUCATIONAL MEDIA FOUNDATION	D	JASPER	AL	CP	0.027	202	268	3	77.9	0
1166884	148566	BLFT	20070105AEV	W268BF	RADIO ASSIST MINISTRY, INC.	D	DEMOPOLIS	AL	LIC	0.013	141	268	3	78.5	0
126933	66910	BLH	19890331KC	WHHY-FM	MCDONALD MEDIA GROUP, INC.	C0	MONTGOMERY	AL	LIC	100	397	270	1	149.2	0

'Tuscaloosa; AL'; Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt

Facility id: 148570;
Area of Interference;