

[Exhibit 12]

Non-Interference Compliance

Regarding FCC File Number: BNPFT-20030317FHJ

Description of Exhibit 12 Contents

This exhibit demonstrates that the proposed facility complies with contour overlap and interference protection provisions in all the applicable rule sections and that this application for a construction permit is in full compliance with 47 CFR 74.1204.

Page 2 of this exhibit is an explanation of the tabulated data, which is included as evidence on page 4 of this exhibit.

Page 3 of this exhibit is an explanation of the method used to demonstrate compliance with contour overlap and interference protection provisions based on 47 CFR 74.1204(d), which states:

"an 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."

In addition, page 3 includes a tabulation of the second and third adjacent stations which this application is required to protect and the field strengths of those stations in the vicinity of the proposed translator. The field strengths given were based on contours predicted using FCC contour algorithms and 3 arc second terrain data.

Let it be noted that should any actual real world interference occur, the applicant certifies that it will promptly suspend operation of this translator in accordance with 47 CFR 74.1203.

Page 4 of this exhibit is the tabulated data from the interference analysis, which shows all stations that this application had to consider for contour protection. These tabulated values were generated using high resolution 3 arc second terrain data for the best possible accuracy.

Page 5 of this exhibit is a portion of a USGS 1:24,000 scale 7.5 min quadrangle at full scale with the calculated area of interference overlayed. 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 a free-space calculation (see FCC 98-117, Appendix A, pg. 41 for reference to the equation used).

Explanation of Frequency Finder Results

The interference analysis for this application was performed using the "Frequency Finder" module in RadioSoft's Comstudy, version 2.2.

Frequency Finder analyzes data taken directly from the FCC's FM database and looks for prohibited overlap with contours of adjacent stations and prohibited proximity to stations 53 or 54 channels from the proposed station (IF) using 3 arc second terrain data and the FCC's contour algorithms. The results tabulated are the stations returned from that analysis. (Note: Because Comstudy was looking at the FCC's FM database, it took into account the proposed translator when doing the analysis and returned it in the tabulated results. For the sake of simplicity, that record has been deleted from all tabulated results.)

The first several columns of the table are self-explanatory. They give various data on the stations in question. The column labeled "Clr" gives the proposed translator's "clearance" with respect to the tabulated station, either in dB or km. The values listed with no units are given in km and are for stations located on an IF to the proposed site's channel.

A negative value in the "Clr" column does NOT necessarily represent prohibited contour overlap, as explained below.

A negative value listed in the "Clr" column would indicate either overlap of interference and protected contours or prohibited proximity to an IF station except in the following situations:

- Since the proposed station's Effective Radiated Power (ERP) is 38 watts, a negative value in km (no units listed in the table) does not represent a violation of the CFR, according to 47 CFR 1204(g), which states that "FM translator stations and booster stations operating with less than 100 watts ERP will be treated as class D stations and will not be subject to intermediate frequency separation requirements."

- A second or third adjacent LP100 station cannot represent a violation of the CFR, as 47 CFR 74.1204(a)(4) requires protection of only co-channel and first adjacent LP100 stations.

- 47 CFR 74.1204(a) requires only the protection of "AUTHORIZED commercial or noncommercial educational FM broadcast stations, FM translators, ..." Any entry with a status listed as "RSV," "USE" or "APP" does not represent an authorized station and therefore is not protected under 47 CFR 74.1204. The one exception is the case of LP100 applications. The note to 47 CFR 74.1204(a)(4) states that "LPFM applications and permits that have not yet been licensed must be considered as operating with the maximum permitted facilities." Therefore, any first adjacent or co-channel LP100 station, no matter the status, is protected.

- Entries highlighted in red are those stations where there is overlap of predicted contours and lack of population has been demonstrated within the area of interference.

Compliance with 47 CFR 74.1204(d)

The proposed translator's Maximum Effective Radiated Power (ERP) is 0.038kW at 51 meters above ground level. According to 47 CFR, 74.1204(a), the desired to undesired ratio between 2nd/3rd adjacent stations is 40dB, making the proposed translator's interfering contour 133.2dBu F(50,10).

Using a free-space calculation (equation referenced in FCC 98-117, Appendix A, pg. 41), this proposed translator's F(50,10) interference contour was calculated and plotted on the pertinent portion of a USGS quadrangle (page 5 of this exhibit). As demonstrated on the quadrangle, there are no populated structures or highways within the calculated area of interference (Note: FCC 02-244, II, A, 6 states that USGS quadrangles are sufficient for demonstrating lack of population). Hence, in accordance with 47 CFR 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 therefore this application is in full compliance with 47 CFR 74.1204.

CORAGL: 51m

Antenna Manufacturer: SWR

Maximum ERP: 0.038kW

Antenna Model: FM1

F(50,10) Interfering Contour: 133.2dBu

F(50,10) Max Distance: 9.5m

The F(50,50) signal strength of all relevant second and third adjacent stations have been examined, and are tabulated below. Column three shows the station's signal level at the proposed translator's tower site, and column four gives the minimum value within the entire proposed translator's standard F(50,10) contour (100 dBu for most classes, 94 dBu for class B's, 97 dBu for class B1's). For signal levels too great to determine, 999 was entered. The minimum F(50,50) contour within the proposed translator's standard F(50,10) contour was used to calculate the proposed translator's interference contour, thereby assuring a minimum undesired-to-desired ratio of 40dB for all relevant adjacent stations, as required in 47 CFR, 74.1204(a).

FCC File Number	Call Sign	F(50,50) Contour at Tower	Min. F(50,50) Contour
BLH6155	WLBH-FM	95.2dBu	93.2dBu
Minimum F(50,50) Protected Contour of Adjacent Station Within Proposed Application's 100dBu F(50,10) Contour:			93.2dBu

Callsign	State	City	Channel	ERP_w	Licensee	ARN	Class	Status	Distance_km	Clr	Facility_id
WLBH-FM	IL	MATTOON	245	50000	MATTOON BROADCASTING COMPANY	BLH6155	B	LIC	7.66	-43.54 dB	40703
WLBH-FM	IL	MATTOON	245	0	MATTOON BROADCASTING COMPANY		B	USE	7.66	-4.90 dB	40703
NEW	IL	MATTOON	296	38	RADIO ASSIST MINISTRY INC.	BNPFT20030317HYN	D	APP	0	0	153758
NEW	IL	CASEY	243	10	RADIO ASSIST MINISTRY INC.	BNPFT20030317FFH	D	APP	40.5	6.60 dB	146836
NEW	IL	NEWTON	243	10	RADIO ASSIST MINISTRY INC.	BNPFT20030317FHY	D	APP	55.48	9.48 dB	146848
NEW	IL	PANA	243	250	COUNTRYSIDE BROADCASTING, INC.	BNPFT20030317LMO	D	APP	64.82	11.16 dB	147881
NEW	IL	SAINT ELMO	243	170	COVENANT NETWORK	BNPFT20030317AEN	D	APP	64.38	12.84 dB	144391
WAZY-FM	IN	LAFAYETTE	243	50000	ARTISTIC MEDIA PARTNERS L.P.	BLH7632	B	LIC	145.84	14.97 dB	68970
NEW	IL	DECATUR	243	70	COVENANT NETWORK	BNPFT20030317ADS	D	APP	73	18.53 dB	144105
NEW	IL	FLORA	243	10	RADIO ASSIST MINISTRY INC.	BNPFT20030317FGB	D	APP	87.42	21.72 dB	146841
WWSY	IN	SEELYVILLE	240	4100	BRIGHT TOWER COMMUNICATIONS, INC.	BLH19961002KE	A	LIC	81.47	26.55 dB	66296
NEW	IL	FAIRFIELD	243	19	RADIO ASSIST MINISTRY INC.	BNPFT20030317FFV	D	APP	119.25	28.89 dB	146839
NEW	IL	MT CARMEL	243	50	INDIANA COMMUNITY RADIO CORPORATION	BNPFT20030313AEI	D	APP	125.83	29.01 dB	144376
WAZY-FM	IN	LAFAYETTE	243	0	ARTISTIC MEDIA PARTNERS L.P.		B	USE	145.84	29.03 dB	68970
WOQB	IL	RANTOUL	241	3800	AAA ENTERTAINMENT LICENSING LLC	BLH19930316KA	A	LIC	85.62	31.18 dB	73229
WHOW-FM	IL	CLINTON	240	3000	CORNBELT BROADCASTING CO.	BLH6898	A	LIC	89.29	32.14 dB	13901
W242AE	IL	TAYLORVILLE	242	38	ILLINOIS BIBLE INSTITUTE, INC.	BLFT19980211TH	D	LIC	81.36	33.85 dB	78401
KIHT	MO	ST. LOUIS	242	80000	EMMIS RADIO LICENSE CORPORATION	BLH19960605KE	C1	LIC	198.05	34.16 dB	27022
NEW	IL	CARMI	243	10	RADIO ASSIST MINISTRY INC.	BNPFT20030317FFC	D	APP	152.75	34.39 dB	146834
KIHT	MO	ST. LOUIS	242	100000	EMMIS RADIO LICENSE CORPORATION	BMLH19960730KB	C1	LIC	196.7	34.41 dB	27022
WCVS-FM	IL	VIRDEN	244	6000	CAPSTAR TX LIMITED PARTNERSHIP	BLH19930930KF	A	LIC	114.17	36.81 dB	70275
WMNW	IL	ATLANTA	242	5400	KM RADIO OF ATLANTA, L.L.C.	BMPH20001024ABT	A	CP MOD	118.39	36.19 dB	82090
WSTO	KY	OWENSBORO	241	100000	TSB III, LLC	BLH19820601AO	C	LIC	205.18	36.02 dB	51072
WENS	IN	SHELBYVILLE	246	23000	EMMIS RADIO LICENSE CORPORATION	BLH19991028ADZ	B	LIC	199.71	36.71 dB	19522
WENS	IN	SHELBYVILLE	246	29000	EMMIS RADIO LICENSE CORPORATION	BXPH19990713IB	B	CP	199.71	36.20 dB	19522
	IN	FARMERSBURG	242	0			A	APP	85.03	36.89 dB	94923
WCVS-FM	IL	VIRDEN	244	6000	CAPSTAR TX LIMITED PARTNERSHIP	BPH20021022ABB	A	CP	128.61	37.21 dB	70275
WFML	IN	VINCENNES	244	2150	THE VINCENNES UNIVERSITY FOUNDATION, INC.	BLH20020724AAN	A	LIC	116	37.34 dB	66637
WJPL	IL	FARMINGTON	243	4300	AAA ENTERTAINMENT LICENSING LLC	BLH19971113KC	A	LIC	189.34	37.53 dB	76410
WIHN	IL	NORMAL	244	3900	AAA ENTERTAINMENT LICENSING LLC	BLH19920430KG	A	LIC	128.24	38.34 dB	4617
NEW	IL	EFFINGHAM	297	80	COMMUNITY BROADCASTING, INC.	BNPFT20030312AVW	D	APP	38.83	38.8	138453
NEW	IL	MEREDOSIA	243	120	COVENANT NETWORK	BNPFT20030317ADI	D	APP	195.24	38.29 dB	144085
WCXO	IL	CARLYLE	244	2100	CLINTON COUNTY BROADCASTING, INC.	BLH19990621KA	A	LIC	127.63	39.53 dB	12052
NEW	IN	HUNTINGBURG	243	27	RADIO ASSIST MINISTRY INC.	BNPFT20030317FMX	D	APP	175.74	39.56 dB	146854

