

[Exhibit 12]

Non-Interference Compliance

Regarding FCC File Number: BNPFT-20030317JEW

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 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 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 75 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 0.075kW at 146 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 106.0dBu 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: 146m

Maximum ERP: 0.075kW

F(50,10) Interfering Contour: 106.0dBu

F(50,10) Max Distance: 304.5m

Antenna Manufacturer: SCA

Antenna Model: CA5-FM/CP

Antenna Rotation: 75

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
BLH19960522KC	KDJE	66.1dBu	66dBu
Minimum F(50,50) Protected Contour of Adjacent Station Within Proposed Application's Standard F(50,10) Contour:			66dBu

Frequency Finder Results

Callsign	State	City	Channel	ERP_w	Licensee	ARN	Class	Status	Distance_km	Clr	Facility_id
KDJE	AR	JACKSONVILLE	262	83000	CLEAR CHANNEL BROADCASTING LICENSES, INC.	BLH19960522KC	C1	LIC	56.31	-6.35 dB	23025
KPBQ-FM	AR	PINE BLUFF	267	25000	M.R.S. VENTURES, INC.	BLH19911218KC	C3	LIC	55.12	8.59 dB	52619
K265CD	AR	PINE BLUFF	265	24	J AND J BROADCASTING	BLFT19850812TA	D	LIC	39.15	13.23 dB	29375
NEW	AR	FORDYCE	265	115	EDGEWATER BROADCASTING INC.	BNPFT20030317JEG	D	APP	52.73	15.64 dB	151045
KDRE	AR	NORTH LITTLE ROCK	266	6000	FLINN BROADCASTING CORPORATION	BLH19940520KZ	A	LIC	62.01	17.45 dB	49255
KDEL-FM	AR	ARKADELPHIA	265	3000	CLARK COUNTY BROADCASTING, INC.	BLH7391	A	LIC	55.06	22.97 dB	24733
KZHE	AR	STAMPS	263	50000	A-1 COMMUNICATIONS, INC.	BLH19920410KC	C2	LIC	115.59	22.84 dB	201
NEW	AR	STUTT GART	265	250	EDGEWATER BROADCASTING INC.	BNPFT20030317JFA	D	APP	93.07	26.34 dB	151077
WDMS	MS	GREENVILLE	264	100000	MID-AMERICA BROADCASTING CO.	BMLH19980924KA	C1	LIC	166.33	27.11 dB	41846
KAWW-FM	AR	HEBER SPRINGS	264	50000	CALDWELL BROADCASTING, LLC	BLH19940614KB	C2	LIC	136.01	27.19 dB	48748
KDJE	AR	JACKSONVILLE	262	0	CLEAR CHANNEL BROADCASTING LICENSES, INC.		C1	USE	56.43	31.72 dB	23025
NEW	AR	DE QUEEN	264	250	EDGEWATER BROADCASTING INC.	BNPFT20030317JDT	D	APP	177.57	33.24 dB	151020
KARV-FM	AR	OLA	267	740	KERM INC	BLH19980112KD	A	LIC	100.92	34.40 dB	78267
KDEL-FM	AR	ARKADELPHIA	265	0	CLARK COUNTY BROADCASTING, INC.		A	USE	55.06	34.03 dB	24733
KRMD-FM	LA	SHREVEPORT	266	100000	CUMULUS LICENSING CORP.	BPH20011221ABB	C	CP	222.69	35.70 dB	1304
KSBC	AR	HOT SPRINGS	211	38000	CENTRAL ARKANSAS CHRISTIAN BROADCASTING, INC.	BLED20021220AAU	C1	LIC	58.81	36.8	9785
KRMD-FM	LA	SHREVEPORT	266	100000	CUMULUS LICENSING CORP.	BPH20030507ACJ	C	APP	222.69	36.18 dB	1304
KWKK	AR	RUSSELLVILLE	265	6000	MMA LICENSE LLC	BLH19920731KB	A	LIC	127.68	36.12 dB	31884
KNRB	TX	ATLANTA	261	50000	FAMILY WORSHIP CENTER CHURCH, INC.	BLH19951010KJ	C2	LIC	187.09	39.00 dB	2765
KBBQ-FM	AR	FORT SMITH	264	50000	CUMULUS LICENSING CORP.	BLH19910819KA	C2	LIC	198.46	38.85 dB	23869
KRMD-FM	LA	SHREVEPORT	266	98000	CUMULUS LICENSING CORP.	BLH19850228LB	C	LIC	222.69	38.37 dB	1304
KPBQ-FM*	AR	PINE BLUFF	267	0		FM ALLOTMENT	C3	USE	53.39	39.76 dB	96604
KRVV	LA	BASTROP	261	50000	HOLLADAY BROADCASTING OF LOUISIANA, INC	BLH19900611KD	C2	LIC	187.27	39.27 dB	27468
NEW	AR	WEST MEMPHIS	264	250	EDUCATIONAL MEDIA FOUNDATION	BNPFT20030314BFV	D	APP	235.79	39.95 dB	140005

