

[Exhibit 12]

Non-Interference Compliance

Regarding FCC File Number: BNPFT-20030317JBH

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 10 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 application's Maximum Effective Radiated Power (ERP) is 0.01kW at 55 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 application's interfering contour 117.5dBu 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: 55m

Antenna Manufacturer: SWR

Maximum ERP: 0.01kW

Antenna Model: FM1

F(50,10) Interfering Contour: 117.5dBu

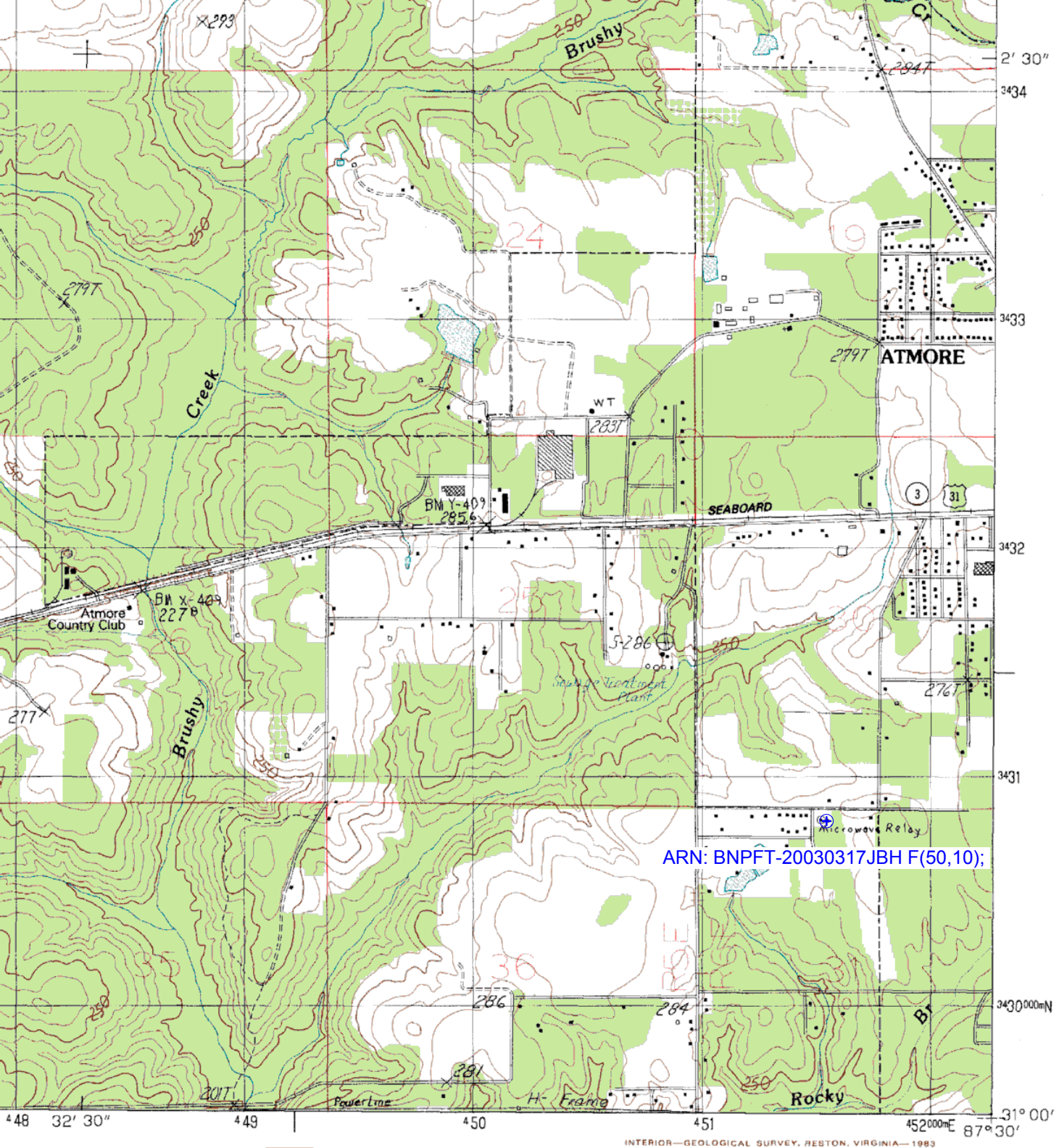
F(50,10) Max Distance: 29.6m

The F(50,50) signal strength of all relevant second and third adjacent stations have been examined, and are tabulated below. The levels of signal recorded are that at the proposed translator's tower site and 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
BMLH19880321KA	WYOK	77.7dBu	77.5dBu
Minimum F(50,50) Protected Contour of Adjacent Station Within Proposed Application's 100dBu F(50,10) Contour:			77.5dBu

Frequency Finder

Callsign	State	City	Channel	ERP_w	Licensee	ARN	Class	Status	Distance_km	Clr	Facility_id
WYOK	AL	ATMORE	281	100000	CUMULUS LICENSING CORP.	BMLH19880321KA	C	LIC	43.51	-17.83 dB	8680
NEW	AL	DAPHNE	278	13	EDGEWATER BROADCASTING INC.	BNPFT20030317JCA	D	APP	51.27	12.15 dB	150862
WBLX-FM	AL	MOBILE	225	98000	CUMULUS LICENSING CORP.	BMLH19880329KE	C	LIC	43.51	14.5	2540
WBLX-FM	AL	MOBILE	225	0	CUMULUS LICENSING CORP.		C	USE	43.51	14.5	2540
	AL	FRISCO CITY	278	0		RMbg-7	A	APP	50.38	15.88 dB	0
WOSM	MS	OCEAN SPRINGS	276	100000	CHARLES H. COOPER	BPH20020529ABA	C1	CP	115.56	19.85 dB	10477
WAAO-FM	AL	ANDALUSIA	279	25000	COMPANION BROADCASTING SERVICE	BPH20020531AAU	C3	CP	97.43	23.38 dB	13502
NEW	AL	BAYOU LA BATRE	278	38	EDGEWATER BROADCASTING INC.	BNPFT20030317JBM	D	APP	95.8	24.05 dB	150822
WUSW	MS	HATTIESBURG	279	100000	CLEAR CHANNEL BROADCASTING LIC	BLH19860609KD	C	LIC	162.71	26.37 dB	54611
NEW	AL	ROBERTSDALE	279	38	EDGEWATER BROADCASTING INC.	BNPFT20030317COO	D	APP	59.07	28.23 dB	150865
WOSM	MS	OCEAN SPRINGS	276	50000	CHARLES H. COOPER	BLH19910610KC	C2	LIC	130.12	29.21 dB	10477
WMXZ	FL	DE FUNIAK SPRIN	276	50000	QANTUM OF FORT WALTON BEACH LIC	BLH19921207KD	C2	LIC	137.46	30.70 dB	60811
WMXZ	FL	VALPARAISO	276	50000	QANTUM OF FORT WALTON BEACH LIC	BPH20021224AAT	C2	CP	137.46	30.70 dB	60811
NEW	AL	JACKSON	277	100	SOUTH ALABAMA PUBLIC SERVICE BR	BNPL20010615BBX	LP100	APP	65.74	32.91 dB	135736
WMXS	AL	MONTGOMERY	277	100000	CUMULUS LICENSING CORP.	BLH19890419KB	C	LIC	200.27	33.52 dB	12322
WAAO-FM	AL	ANDALUSIA	279	3000	COMPANION BROADCASTING SERVICE	BMLH19900212KF	A	LIC	108.53	34.02 dB	13502
WNPT-FM	AL	LINDEN	275	40000	BECKHAM PALMER III AS RECEIVER	BLH19910318KE	C2	LIC	161.23	35.57 dB	37721
	AL	ATMORE	281	0		RMbg-7	C	APP	43.51	35.19 dB	0
WYOK	AL	ATMORE	281	0	CUMULUS LICENSING CORP.		C	USE	43.51	35.19 dB	8680
WMXP	FL	CALLAWAY	278	100000	WAITT BROADCASTING OF FLORIDA, L	BPH20000303ACR	C1	CP	223.35	36.89 dB	42371
WMXP	FL	CALLAWAY	278	100000	WAITT BROADCASTING OF FLORIDA, L	BLH19900212KG	C1	LIC	216.18	37.77 dB	42371
	AL	ATMORE	281	0		RMbg-7	C	APP	54.59	39.76 dB	0



QUADRANGLE LOCATION

1	2	3	1 Blacksher
			2 McCullough
4		5	3 Huxford
			4 Perdido
			5 Atmore
6	7	8	6 Dyas
			7 Walnut Hill
			8 Bratt

ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND

Improved Road
 Unimproved Road
 Trail

○ Interstate Route ○ U. S. Route ○ State Route

FREEMANVILLE, ALA.
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