

[Exhibit 12]

Non-Interference Compliance

Regarding FCC File Number: BNPFT-20030317DRD

Channel: 261

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 translator's Maximum Effective Radiated Power (ERP) is 0.01kW at 162 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 151.0dBu 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 the maximum horizontal plane was plotted on the pertinent portion of a USGS quadrangle (page 5 of this exhibit). However, the proposed translator's area of interference extends a maximum of 0.6 meters from the transmit antenna. Since the translator's center of radiation is 162 meters above ground level, the area of interference will be at least 161.4 meters above tower ground level (TGL) at the lowest point. The applicant has taken into account USGS quadrangles and relevant aerial photography in stating that no structures, except possibly tower support structures, puncture the proposed area of interference. 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), there is a lack of population within the proposed area of interference and therefore this application is in full compliance with 47 CFR 74.1204.

CORAGL: 162m

Maximum ERP: 0.01kW

F(50,10) Interfering Contour: 151.0dBu

F(50,10) Max Distance: 0.6m

Antenna Manufacturer: SWR

Antenna Model: FM1

F(50,10) Clearance above TGL: 161.4m

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
BLH19960613KB	WDMG-FM	116dBu	111dBu
Minimum F(50,50) Protected Contour of Adjacent Station Within Proposed Translator's standard F(50,10) Contour:			111dBu

Callsign	State	City	Channel	ERP_w	Licensee	ARN	Facility_id	Class	Status	Distance_km	Clr
WDMG-FM	GA	DOUGLAS	258	100000	RTG RADIO, LLC	BLH19960613KB	71343	C1	LIC	1.78	-61.99 dB
	GA	DOUGLAS	258	0		RM9790	0	C1	APP	1.79	-36.92 dB
WDMG-FM	GA	DOUGLAS	258	0	RTG RADIO, LLC		71343	C1	USE	3.62	-10.82 dB
WDMG-FM	GA	WILLACOOCHEE	258	100000	RTG RADIO, LLC	BPH20030415ABT	71343	C1	APP	65.39	-0.84 dB
WOBB	GA	TIFTON	262	100000	CLEAR CHANNEL BROADCASTING LICENSES, INC.	BLH20000907AAS	74182	C	LIC	89.9	3.06 dB
WMCD	GA	RINCON	261	75000	RADIO STATESBORO, INC.	BPH20030702AAE	54805	C1	APP	122.91	11.87 dB
WMCD	GA	STATESBORO	261	75000	RADIO STATESBORO, INC.	BPH20030319AAQ	54805	C1	APP	122.91	11.87 dB
NEW	GA	ALMA	260	10	EDGEWATER BROADCASTING INC.	BNPFT20030317DPD	152181	D	APP	32.68	14.00 dB
WWRR	GA	BRUNSWICK	264	36000	RENDA BROADCASTING CORP. OF NEVADA	BMLH20010530AAO	48243	C1	LIC	128.61	21.28 dB
NEW	GA	OCILLA	260	10	EDGEWATER BROADCASTING INC.	BNPFT20030317DTJ	152297	D	APP	43.06	21.92 dB
NEW	GA	WAYCROSS	260	10	EDGEWATER BROADCASTING INC.	BNPFT20030317EJO	152372	D	APP	58.32	26.16 dB
NEW	GA	BOONEYSMAN	262	10	WAY-FM MEDIA GROUP, INC.	BNPFT20030312AHU	142664	D	APP	58.61	27.38 dB
WMCD	GA	STATESBORO	261	50000	RADIO STATESBORO, INC.	BLH19910516KF	54805	C2	LIC	142.65	28.11 dB
NEW	GA	FOLKSTON	261	10	EDGEWATER BROADCASTING INC.	BNPFT20030317DSC	152273	D	APP	108.63	29.00 dB
NEW	GA	TIFTON	260	27	EDGEWATER BROADCASTING INC.	BNPFT20030317EJA	152360	D	APP	67.22	30.96 dB
WGNE-FM	FL	MIDDLEBURG	260	48000	RENDA BROADCASTING CORP. OF NEVADA	BPH20030417ABW	15897	C1	APP	173.68	32.22 dB
	GA	RINCON	261	0		RM10388	0	C1	RSV	125.57	33.97 dB
NEW	GA	BRUNSWICK	261	100	BRUNSWICK CHRISTIAN RADIO	BNPL20000608AFZ	124875	LP100	APP	134.17	34.62 dB
WOBB	GA	TIFTON	262	0	CLEAR CHANNEL BROADCASTING LICENSES, INC.		74182	C	USE	71.48	35.10 dB
WEGT	FL	LAFAYETTE	260	50000	MONTEREY LICENSES, LLC	BLH19920817KB	9311	C2	LIC	172.37	35.69 dB
WCOP-FM	GA	UNADILLA	260	6000	TOCCOA FALLS COLLEGE	BLH19950627KD	15309	A	LIC	126.06	36.68 dB
WMCD	GA	STATESBORO	261	0	RADIO STATESBORO, INC.		54805	C2	USE	142.71	37.38 dB

