

Non-Interference Compliance

Regarding Facility id 150114

Channel 246

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 an unpaved tower access 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
502921	BLH20000515ADJ	WDXQ-FM	75.2	75.2
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				75.2

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 **75.2 dBμ**, this makes the proposed translator's worst-case interfering contour **115.2 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **139 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 an unpaved tower access 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:	TEL
Antenna Model:	ANT90D
CORAGL:	6 m
Maximum ERP:	0.13 kW
Interfering Contour:	115.2 dBμ
Max Int. Contour Distance:	139 m

Adjacent Channel Study **For Station W300BG, Facility_id: 150114**

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
502921	26626	BLH	20000515ADJ	WDXQ-FM	TAYLOR BROADCASTING OF MACON, INC.	A	COCHRAN	GA	LIC	6	195	244	2	11.9	0.7757
186706	21211	BMLH	19930527KD	WUFF-FM	FARNELL O'QUINN	A	EASTMAN	GA	LIC	2	211	248	2	27.3	0
1047746	21211	BPH	20050222ACU	WUFF-FM	DODGE BROADCASTING, INC.	A	EASTMAN	GA	CP	2	211	248	2	27.8	0
678514	141213	BNPFT	20030818AES	W248AL	WAY-FM MEDIA GROUP, INC.	D	MEADOWDALE	GA	CP	0.01	173	248	2	46.6	0
613226	124406	BLL	20020924AAJ	WLVN-LP	CALVARY CHAPEL HEARTLAND, INC.	L1	FORT VALLEY	GA	LIC	0	153	246	0	50.8	0
631613	140321	BNPFT	20030314BVB	NEW	CLEVELAND RADIO LICENSES, LLC	D	MACON	GA	APP	0.12	151	247	1	56.9	0
651213	157736	BNPFT	20030317LTY	NEW	AMERICAN FAMILY ASSOCIATION	D	MACON	GA	APP	0.055	289	247	1	61.3	0
627920	138216	BNPFT	20030310AAP	NEW	AUGUSTA RADIO FELLOWSHIP INSTITUTE, INC	D	SOPERTON	GA	APP	0.019	161	245	1	65.6	0
644981	151889	BNPFT	20030317DNW	NEW	RADIO ASSIST MINISTRY, INC.	D	SOPERTON	GA	APP	0.019	170	245	1	65.6	0
1185825	156896	BLFT	20070514ABA	W245AN	RADIO TRAINING NETWORK, INC.	D	MILLEDGEVILLE	GA	LIC	0.019	203	245	1	65.7	0
503165	29128	BLH	20000613AAT	WPCH	TAYLOR BROADCASTING OF MACON, INC.	C3	GRAY	GA	LIC	8	317	243	3	75.9	0
644961	151868	BNPFT	20030317DMR	NEW	RADIO ASSIST MINISTRY, INC.	D	MONTEZUMA	GA	APP	0.01	249.6	245	1	79.7	0
601294	24738	BLH	20020425ABO	WRDO	RTG RADIO, LLC	A	FITZGERALD	GA	LIC	6	194	245	1	80.9	0
611084	70117	BMLH	20020919AAP	WTCQ	VIDALIA COMMUNICATIONS CORPORATION	A	VIDALIA	GA	LIC	4.3	191	249	3	81.8	0
1192606	150125	BMPFT	20070626AAB	W246BQ	RADIO ASSIST MINISTRY INC.	D	SWAINSBORO	GA	CP MOD	0.038	150	246	0	86.2	0
422206	41993	BLH	19991018ABS	WMGZ	MIDDLE GEORGIA COMMUNICATIONS, INC.	C3	EATONTON	GA	LIC	8.5	315	249	3	97.4	0

Intermediate Frequencies (53 and 54 channels difference):

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Clr
1098023	15025	BPH	20051122AGE	WDBN	DOWDY PARTNERS	C3	WRIGHTSVILLE	GA	CP	25	193	300	54	48.5	36.5

