

Non-Interference Compliance

Regarding Facility id 146158

Channel 233

Description of Exhibit 13 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.

Page 5 of this exhibit is a high resolution aerial photo of the vicinity surrounding the proposed translator's tower site provided by Google Earth. The proposed transmit site and the zone of interference have been identified on the map. It has been included to provide clarification of the nature of the buildings in the vicinity.

Note: The quadrangle and aerial photo indicate the presence of county roads in the area of interference. It is apparent that these are not major roads, e.g. interstate highways, as described in the Living Way decision. The zone of predicted interference extends 270.2m from the proposed transmit site. The nearest buildings are 275m away to the southeast, so 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.

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
1129989	BLH20060523ADI	WSTR	69.9	69.6
496191	BLH20000413ABM	WUBL	68.2	68.2
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				68.2

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 **68.2 dBμ**, this makes the proposed translator's worst-case interfering contour **108.2 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **270.2 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").

Note: The quadrangle and aerial photo indicate the presence of county roads in the area of interference. It is apparent that these are not major roads, e.g. interstate highways, as described in the Living Way decision. The zone of predicted interference extends 270.2m from the proposed transmit site. The nearest buildings are 275m away to the southeast, so 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.

Antenna Manufacturer:	NIC
Antenna Model:	BLD1/P
CORAGL:	9 m
Maximum ERP:	0.098 kW
Interfering Contour:	108.2 dBμ
Max Int. Contour Distance:	270.2 m

Adjacent Channel Study
For Station W287BI, Facility_id: 146158

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1129989	30822	BLH	20060523ADI	WSTR	LINCOLN FINANCIAL MEDIA COMPANY OF GEO	C0	SMYRNA	GA	LIC	100	593.8	231	2	51.7	0.5848
496191	29735	BLH	20000413ABM	WUBL	CITICASTERS LICENSES, INC.	C1	ATLANTA	GA	LIC	99	581	235	2	53.7	0.5848
1359478	29735	BXPH	20100310AAP	WUBL	CITICASTERS LICENSES, INC.	C1	ATLANTA	GA	CP	37	598	235	2	53.7	0.5848
652145	158499	BNPFT	20030317MRH	NEW	CLARK ATLANTA UNIVERSITY	D	STONE MOUNTAIN	GA	APP	0.007	550	233	0	36.7	0
633152	141541	BNPFT	20030311AIE	NEW	COMMUNITY PUBLIC RADIO, INC.	D	STONE MOUNTAIN	GA	APP	0.01	526	233	0	36.7	0
652297	158616	BNPFT	20030317MWL	NEW	CLARK ATLANTA UNIVERSITY	D	STOCKBRIDGE	GA	APP	0.008	299	233	0	38.9	0
638716	146142	BNPFT	20030317DTE	NEW	EDGEWATER BROADCASTING, INC.	D	MONTICELLO	GA	APP	0.013	277.6	233	0	40.8	0
646915	153697	BNPFT	20030317DYS	NEW	IMMANUEL BROADCASTING NETWORK	D	NORCROSS	GA	APP	0.01	381	233	0	47.8	0
76667	29735	BLH	19850305KK	WUBL	CITICASTERS LICENSES, INC.	C1	ATLANTA	GA	LIC	6.7	528	235	2	53.7	0
44602	30822	BLH	19820630AO	WSTR	LINCOLN FINANCIAL MEDIA COMPANY OF GEO	C0	SMYRNA	GA	LIC	100	410	231	2	59	0
652204	158547	BNPFT	20030317MUV	NEW	CLARK ATLANTA UNIVERSITY	D	EAST POINT	GA	APP	0.009	370	233	0	66.8	0
641230	148411	BNPFT	20030317DRR	NEW	EDGEWATER BROADCASTING, INC.	D	FORSYTH	GA	APP	0.01	350.2	233	0	70	0
651870	158267	BNPFT	20030317MHX	NEW	CLARK ATLANTA UNIVERSITY	D	FAYETTEVILLE	GA	APP	0.01	398	233	0	75.8	0
629209	138638	BNPFT	20030310ASD	NEW	CALVARY CHAPEL OF TWIN FALLS, INC.	D	WOODSTOCK	GA	APP	0.01	530	233	0	76.5	0
632775	141217	BNPFT	20030311ANP	NEW	WAY-FM MEDIA GROUP, INC.	D	WESTOAK	GA	APP	0.01	417	233	0	79.4	0
1334659	183349	BNPH	20091001AKY	NEW	LYNESS, ARTHUR	A	CRAWFORDVILLE	GA	CP	4.1	296	234	1	81.9	0
1358548	155761	BPFT	20100301ABO	W234BF	GEORGIA-CAROLINA RADIOCASTING COMPAN	D	CLERMONT	GA	CP	0.055	789	233	0	94.7	0

146158 - Proposed 108.2 dBu

424 m
Imagery Date: Mar 31, 2008

Image U.S. Geological Survey
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Aerial Photo USFWS
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33°39'24.25" N 83°47'21.53" W elev 221 m

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Eye alt 1.89 km