

Non-Interference Compliance

Regarding Facility id 150669

Channel 209

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 an aerial photo of the vicinity surrounding the proposed translator's tower site.

Note: There are no occupied buildings within the zone of predicted interference 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.

<u>Application_id</u>	<u>File Number</u>	<u>Callsign</u>	<u>Contour at Tower</u>	<u>Min. Contour</u>
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				82.1

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 **82.1 dBμ**, this makes the proposed translator's worst-case interfering contour **122.1 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **54.8 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: There are no occupied buildings within the zone of predicted interference 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:	SCA
Antenna Model:	FMV
CORAGL:	21 m
Maximum ERP:	0.099 kW
Interfering Contour:	122.1 dBμ
Max Int. Contour Distance:	54.8 m

Adjacent Channel Study
For Station W209CG, Facility_id: 150669

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
1208736	54585	BLED-20071001DQH	WRFG	RADIO FREE GEORGIA BROADCASTING FOUNDATI	C1	ATLANTA	GA	LIC	65	432	207	2	14.5	0.5907
1498792	3538	BLED-20120521ABP	WABE	BOARD OF EDUCATION, CITY OF ATLANTA	C0	ATLANTA	GA	LIC	100	615	211	2	17.7	0.5907
1403096	152214	BPFT-20101013ACK	W209CD	EDGEWATER BROADCASTING, INC.	D	BUFORD	GA	CP	0.055	330	209	0	44	0
1402978	152214	BLFT-20101012AET	W209CD	EDGEWATER BROADCASTING, INC.	D	BUFORD	GA	LIC	0.027	368	209	0	50.7	0
1332761	5125	BLED-20090909AAI	WYFW	BIBLE BROADCASTING NETWORK, INC.	A	WINDER	GA	LIC	6	333	208	1	67.9	0
83875	6706	BLED-19851202KD	WBCX	BRENAU COLLEGE	A	GAINESVILLE	GA	LIC	0.84	447	206	3	78.7	0
220459	64263	BLFT-19960213TD	W212AR	WAY MEDIA, INC.	D	LINDALE	GA	LIC	0.01	434	212	3	80.4	0
581027	76477	BLED-19980915AAA	WNGU	GEORGIA PUBLIC TELECOMMUNICATIONS COMMIS	A	DAHLONEGA	GA	LIC	0.75	573	208	1	86.3	0
1271242	177189	BNPED-20071022BHR	NONE	GRACE COMMUNITY CHURCH OF AMARILLO	C3	PIEDMONT	AL	CP	7.1	379	208	1	89.7	0
1061697	92876	BLED-20050512ADF	WKNG-FM	COVENANT COMMUNICATIONS, INC.	A	HEFLIN	AL	LIC	0.25	533	206	3	96.4	0
504391	106562	BLFT-20000606ACS	W212BL	FAMILY WORSHIP CENTER CHURCH, INC.	D	LAGRANGE	GA	LIC	0.01	353	212	3	103.3	0
1394038	172935	BLED-20100726AIQ	WAKP	AMERICAN FAMILY ASSOCIATION	A	SMITHBORO	GA	LIC	2.9	219	206	3	107.1	0
104286	5144	BLED-19870807KD	WYFK	BIBLE BROADCASTING NETWORK, INC.	C2	COLUMBUS	GA	LIC	50	313	208	1	139.7	0



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