

Non-Interference Compliance

Regarding Facility id 152214

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 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 198m from the proposed transmit site. The nearest buildings are 200m away to the south. There are several livestock shelters within the zone of interference but they are unoccupied, 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
1017980	BLED20040927ALP	WABE	65.3	65.3
1198644	BPED20070820ABQ	WABE	65.3	65.3
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				65.3

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 **65.3 dBμ**, this makes the proposed translator's worst-case interfering contour **105.3 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **198 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 198m from the proposed transmit site. The nearest buildings are 218m away to the south. There are several livestock shelters within the zone of interference but they are unoccupied , 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: **BKG77**
CORAGL: **18 m**
Maximum ERP: **0.027 kW**
Interfering Contour: **105.3 dBμ**
Max Int. Contour Distance: **198 m**

Adjacent Channel Study **For Station W209CD, Facility_id: 152214**

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1198644	3538	BPED	20070820ABQ	WABE	BOARD OF EDUCATION, CITY OF ATLANTA	C0	ATLANTA	GA	CP	100	615	211	2	45.1	0.1611
1017980	3538	BLER	20040927ALP	WABE	BOARD OF EDUCATION, CITY OF ATLANTA	C1	ATLANTA	GA	LIC	96	531.2	211	2	45.1	0.1611
1332761	5125	BLER	20090909AAI	WYFW	BIBLE BROADCASTING NETWORK, INC.	A	WINDER	GA	LIC	6	333	208	1	19.7	0
83875	6706	BLER	19851202KD	WBCX	BRENAU COLLEGE	A	GAINESVILLE	GA	LIC	0.84	447	206	3	34.5	0
1208736	54585	BLER	20071001DQH	WRFG	RADIO FREE GEORGIA BROADCASTING FOUNI	C1	ATLANTA	GA	LIC	65	432	207	2	42	0
1350599	150669	BLFT	20091221AIU	W209CG	RADIO ASSIST MINISTRY, INC.	D	TALLAPOOSA	GA	LIC	0.01	476	209	0	49.4	0
1350987	150669	BPFT	20091222ARP	W209CG	RADIO ASSIST MINISTRY, INC.	D	TALLAPOOSA	GA	CP	0.038	345	209	0	49.8	0
1213950	176071	BNPED	20071022AQA	NEW	COMMON GROUND ATHENS, INC.	A	NICHOLSON	GA	APP	1	338.5	210	1	51.2	0
1213933	176054	BNPED	20071022ACZ	NEW	IGLESIA JESUCRISTO ES MI REFUGIO DE AUST	A	GROVE LEVEL	GA	APP	0.5	275	210	1	51.8	0
1223998	172115	BNPED	20071015ABL	NEW	COMMUNITY PUBLIC RADIO, INC.	A	COMMERCE	GA	APP	0.18	340	210	1	52.3	0
1212211	174934	BNPED	20071018BBI	NEW	TEMPLO APOSTOLES Y PROFETAS BETHEL	A	COMMERCE	GA	APP	0.5	243	210	1	52.9	0
1215501	177060	BNPED	20071022BFC	NEW	EDGEWATER BROADCASTING, INC.	A	COMMERCE	GA	APP	0.94	398	210	1	53.4	0
1210948	174196	BNPED	20071016AHT	NEW	HOPE THROUGH EDUCATION, INC.	A	COMMERCE	GA	APP	0.5	269	210	1	53.5	0
581027	76477	BLER	19980915AAA	WNGU	GEORGIA PUBLIC TELECOMMUNICATIONS COM	A	DAHLONEGA	GA	LIC	0.75	573	208	1	55.1	0
1242151	92827	BPFT	20080404AAW	W209BJ	CALVARY CHAPEL OF TWIN FALLS, INC.	D	DANIELSVILLE	GA	CP	0.013	287	207	2	79.6	0
624061	92827	BLFT	20030124AEF	W209BJ	CALVARY CHAPEL OF TWIN FALLS, INC.	D	DANIELSVILLE	GA	LIC	0.013	287	209	0	79.6	0
546276	90471	BLER	20010111AAE	WTFH	TOCCOA FALLS COLLEGE	A	HELEN	GA	LIC	0.015	842	210	1	83	0
1118648	77327	BLER	20010125ABQ	WTRX	TOCCOA FALLS COLLEGE	A	TOCCOA FALLS	GA	LIC	0.4	387	209	0	84.3	0



