

Non-Interference Compliance

Regarding Facility id 150854

Channel 258

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.

Page 5 of this exhibit is a high resolution aerial photo of the vicinity surrounding the proposed translator's tower site provided by the U.S. Geological Survey's National Aerial Photography Program. It has been included to provide clarification of the nature of the buildings in the vicinity.

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
1068034	BMLH20050615ACN	WMXC	87.5	87.4
595560	BLH20020226ACB	WKNN-FM	63	63
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				63

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 **63 dBμ**, this makes the proposed translator's worst-case interfering contour **103 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **140.5 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.

Antenna Manufacturer: ARR
Antenna Model: GP-CUSTOM
CORAGL: 4 m
Maximum ERP: 0.008 kW
Interfering Contour: 103 dBμ
Max Int. Contour Distance: 140.5 m

Adjacent Channel Study **For Station W258AY, Facility_id: 150854**

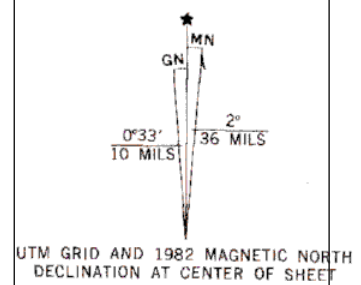
Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1068034	8696	BMLH	20050615ACN	WMXC	CLEAR CHANNEL BROADCASTING LICENSES, INC	C	MOBILE	AL	LIC	94	569	260	2	28.1	0.0477
595560	61367	BLH	20020226ACB	WKNN-FM	CHASE RADIO PROPERTIES, LLC	C1	PASCAGOULA	MS	LIC	99	308	256	2	65.6	0.0477
1191694	150830	BMPFT	20070620AAB	W258AQ	GOFORTH MEDIA, INC.	D	CITRONELLE	AL	CP MOD	0.013	165	258	0	39.5	0
643882	150815	BNPFT	20030317BWT	NEW	EDGEWATER BROADCASTING, INC.	D	BAYOU LA BATRE	AL	APP	0.038	74.3	258	0	41.9	0



Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and Alabama Geodetic Survey
 Culture and drainage in part compiled from aerial photographs
 Topography by plane-table surveys 1938-1940, and in part by
 Tennessee Coal, Iron and Railroad Co. Revised 1953
 Hydrography compiled from USC&GS Chart 1266 (1:80,000)
 Polyconic projection. 1927 North American datum
 10,000-foot grid based on Alabama coordinate system,
 west zone
 Red tint indicates areas in which only
 landmark buildings are shown
 Dashed land lines indicate approximate locations
 Certain land lines are omitted in T. 3 S.—R. 1 E. because of
 insufficient data
 1000-meter Universal Transverse Mercator grid ticks,
 zone 16, shown in blue



To place on the predicted North American Datum 1983
 move the projection lines 17 meters south and
 1 meter east as shown by dashed corner ticks

