

Non-Interference Compliance

Regarding Facility id 152263

Channel 289

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 levee access 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 and therefore "lack of population" is demonstrated. The levee is for drainage purpose only.

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
1015403	BLH20041008AAY	WWL-FM	100.5	98.7
1114525	BSTA20060213ADD	WWL-FM	84.7	84.7
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				84.7

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 **84.7 dBμ**, this makes the proposed translator's worst-case interfering contour **124.7 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **64.6 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 levee access 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 and therefore "lack of population" is demonstrated. The levee is for drainage purpose only.

Antenna Manufacturer: TEL
Antenna Model: ANT90D
CORAGL: 27 m
Maximum ERP: 0.25 kW
Interfering Contour: 124.7 dBμ
Max Int. Contour Distance: 64.6 m

Adjacent Channel Study **For Station K289AM, Facility_id: 152263**

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1114525	52435	BSTA	20060213ADD	WWL-FM	ENTERCOM NEW ORLEANS LICENSE, LLC	C1	KENNER	LA	APP	5	164	287	2	8.5	1.4918
1015403	52435	BLH	20041008AAY	WWL-FM	ENTERCOM NEW ORLEANS LICENSE, LLC	C1	KENNER	LA	LIC	96	306	287	2	9.9	1.4918
979464	27951	BLH	20040226AAA	WMTI	GUARANTY BROADCASTING COMPANY OF NEW	C2	PICAYUNE	MS	LIC	28	219	291	2	70.1	0
211082	35989	BLH	19950711KB	KXOR-FM	GUARANTY BROADCASTING COMPANY OF THI	C3	THIBODAUX	LA	LIC	25	100	292	3	77.5	0

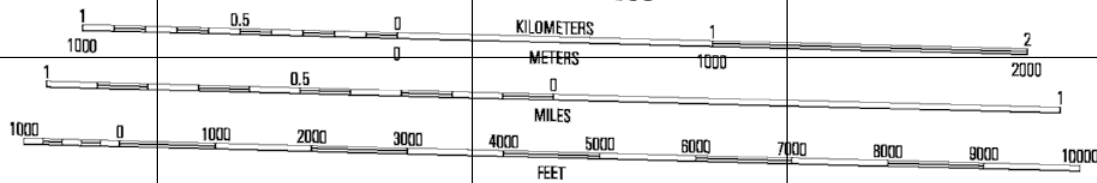
Intermediate Frequencies (53 and 54 channels difference):

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Clr
511658	70279	BLH	20000809AAK	WPRF	STYLES BROADCASTING OF NEW ORLEANS, LLC	C3	RESERVE	LA	LIC	14	136	235	54	54.1	42.1
710605	141590	BNPFT	20030822ADB	K235BG	PROVIDENCE EDUCATIONAL FOUNDATION, INC.	D	COVINGTON	LA	CP	0.1	46	235	54	61.5	51.5
1107597	70279	BPH	20050722AAI	WPRF	SOUTHEASTERN BROADCASTING, INC.	C2	RESERVE	LA	CP	50	146.9	235	54	77.9	62.9
633205	141584	BNPFT	20030313AMP	NEW	PROVIDENCE EDUCATIONAL FOUNDATION, INC.	D	HAMMOND	LA	APP	0.12	47	236	53	88.8	78.8



Facility id: 152263;
Area of Interference;

SCALE 1:24 000



CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048