

Non-Interference Compliance

Regarding Facility id 151073

Channel 264

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.

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
666382	BMLH20030612AD W	KDJE	74.3	73.8
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				73.8

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 **73.8 dBμ**, this makes the proposed translator's worst-case interfering contour **113.8 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **205.1 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: NIC
Antenna Model: BKG77
CORAGL: 61 m
Maximum ERP: 0.205 kW
Interfering Contour: 113.8 dBμ
Max Int. Contour Distance: 205.1 m

Adjacent Channel Study **For Station K264AU, Facility_id: 151073**

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1081453	23025	BXLH	20050927ALF	KDJE	CLEAR CHANNEL BROADCASTING LICENSES, INC	C1	JACKSONVILLE	AR	LIC	16.5	425	262	2	39.8	1.2233
666382	23025	BMLH	20030612ADW	KDJE	CLEAR CHANNEL BROADCASTING LICENSES, INC	C1	JACKSONVILLE	AR	LIC	83	448	262	2	39.8	1.2233
80954	29375	BLFT	19850812TA	K265CD	J AND J BROADCASTING	D	PINE BLUFF	AR	LIC	0.024	132	265	1	41.1	0
199446	49255	BLH	19940520KZ	KWBF-FM	FLINN BROADCASTING CORPORATION	A	NORTH LITTLE ROCK	AR	LIC	6	205	266	2	44.3	0
167989	52619	BLH	19911218KC	KPBQ-FM	SEARK RADIO, INC.	C3	PINE BLUFF	AR	LIC	25	173	267	3	60.5	0
986802	24733	BPH	20040127AMK	KDEL-FM	CLARK COUNTY BROADCASTING, INC.	C3	ARKADELPHIA	AR	CP	25	175	265	1	63.4	0
291885	24733	BLH	7391	KDEL-FM		A	ARKADELPHIA	AR	LIC	3	85	265	1	67.6	0
682507	151077	BNPFT	20030827AAO	K265EA	EDGEWATER BROADCASTING, INC.	D	STUTT GART	AR	CP	0.25	150	265	1	84.2	0
260294	78267	BLH	19980112KD	KARV-FM	KERM INC	A	OLA	AR	LIC	0.74	435	267	3	92.5	0
175720	31884	BLH	19920731KB	KWKK	RIVER VALLEY RADIO GROUP, LLC	A	RUSSELLVILLE	AR	LIC	6	259	265	1	116.4	0
200128	48748	BLH	19940614KB	KAWW-FM	EQUITY BROADCASTING CORPORATION	C2	HEBER SPRINGS	AR	LIC	50	300	264	0	118.4	0
172533	201	BLH	19920410KC	KZHE	A-1 COMMUNICATIONS, INC.	C2	STAMPS	AR	LIC	50	249	263	1	132.5	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
654346	9785	BLEB	20021220AAU	KLRO	CENTRAL ARKANSAS CHRISTIAN BROADCASTING	C1	HOT SPRINGS	AR	LIC	38	469.4	211	53	59.5	37.5
1136586	151045	BMPFT	20060630AIB	K210EA	EDGEWATER BROADCASTING INC.	D	FORDYCE	AR	CP MOD	0.25	139	210	54	70.1	60.1

560,000

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SALINE GRANT

Facility id: 151073;
Area of Interference;

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Sheridan
Municipal Airport

