[Exhibit 13]
Non-Interference Compliance
Regarding Facility id 146178   Channel 237

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 buildings or major roads 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.

Application_id	File Number	Callsign	Contour at Tower	Min. Contour
1651182	BLH20140924ADB	KWHF	62.7	62.7

Minimum F(50,50) Contour of Adjacent Station within

Proposed Translator's Standard Interfering Contour **62.7**

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 **62.7 dBµ**, this makes the proposed translator's worst-case interfering contour **102.7 dBµ.** By the free-space equation, this contour is calculated to extend a maximum of **398.2 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 buildings or major roads 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-1
CORAGL:	9 m
Maximum ERP:	0.06 kW
Interfering Contour:	102.7 dBµ
Max Int. Contour Distance:	398.2 m

Adjacent Channel Study
For Station K290BS, Facility_id: 146178

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Char	Adj	Dist	Overlap
1651182	51923	BLH-20140924ADB	KWHF	EAST ARKANSAS BROADCASTEI	C2	HARRISBURG	AR	LIC	40	226	240	3	45.4	0.358
180965	37792	BLFT-19930121TC	K234AC	BOARD OF TRUSTEES OF THE U	D	BATESVILLE	AR	LIC	0.25	156	234	3	32.7	0
1421110	52903	BLED-20110314AAF	KLJK	EDUCATIONAL MEDIA FOUNDAT	A	WEINER	AR	LIC	6	153	234	3	46.3	0
1493156	146186	BLFT-20120509AFJ	K237FI	EAST ARKANSAS BROADCASTEI	D	JONESBORO	AR	LIC	0.25	243	237	0	50	0
1145537	164173	BLH-20060822AIK	KVHU	GEORGE S. FLINN, JR.	C3	JUDSONIA	AR	LIC	14	193	237	0	59.1	0
1580835	138337	BLFT-20131021AHP	K238BN	EAST ARKANSAS BROADCASTEI	D	WYNNE	AR	LIC	0.25	189	238	1	78.6	0
120056	51107	BLH-19881108KC	KAMS	E-COMMUNICATIONS, LLC	C1	MAMMOTH SPRIN	AR	LIC	100	418	236	1	91.2	0
63171	61363	BLH-19831117BH	KSSN	CC LICENSES, LLC	C	LITTLE ROCK	AR	LIC	92	632	239	2	150.7	0

7755 IV SE
(CORD)

⁶53

CORD 6 MI.   17'30"   ⁶55   ⁶56   ⁶57

21

225

22   237   37   238   23   BM
246   Hope
Ch

17

240

245

Ray   Brake
223

Brake

219

239

235

235   233

Lake

233

235

235

238

240

Brake

Cheshire Cem

Lake

27   237   241   234   26   238

28   236

Bell
Bell Lake

ake

235

235

Facility id: 146178;
Area of Interference;

238   Elgin Landmark
Ch   242   235   226   BR 234   BR

Salem Cem

247

230

235

33   235   235   234   236   238   34   238   35

230

235   234   230   235

236   237   234   230   235

Moss Cem

235

Holloway Cem

230

Moss

Brake

Jack   235

Air   4   3   Jack   225   233   2   242   240

220   Brake   229   Burgess
Cem

281

Jackson 359 Rd

300 yds

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