

Non-Interference Compliance

Regarding Facility id 147409

Channel 291

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 zone of interference has been calculated to be 1.1m and hence is smaller than the crosshair on the USGS map. There are no buildings in this interference zone, 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
1115440	BMPH20060221ADI	KFXV	107.4	106.3
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				106.3

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 **106.3 dBμ**, this makes the proposed translator's worst-case interfering contour **146.3 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **1.1 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.

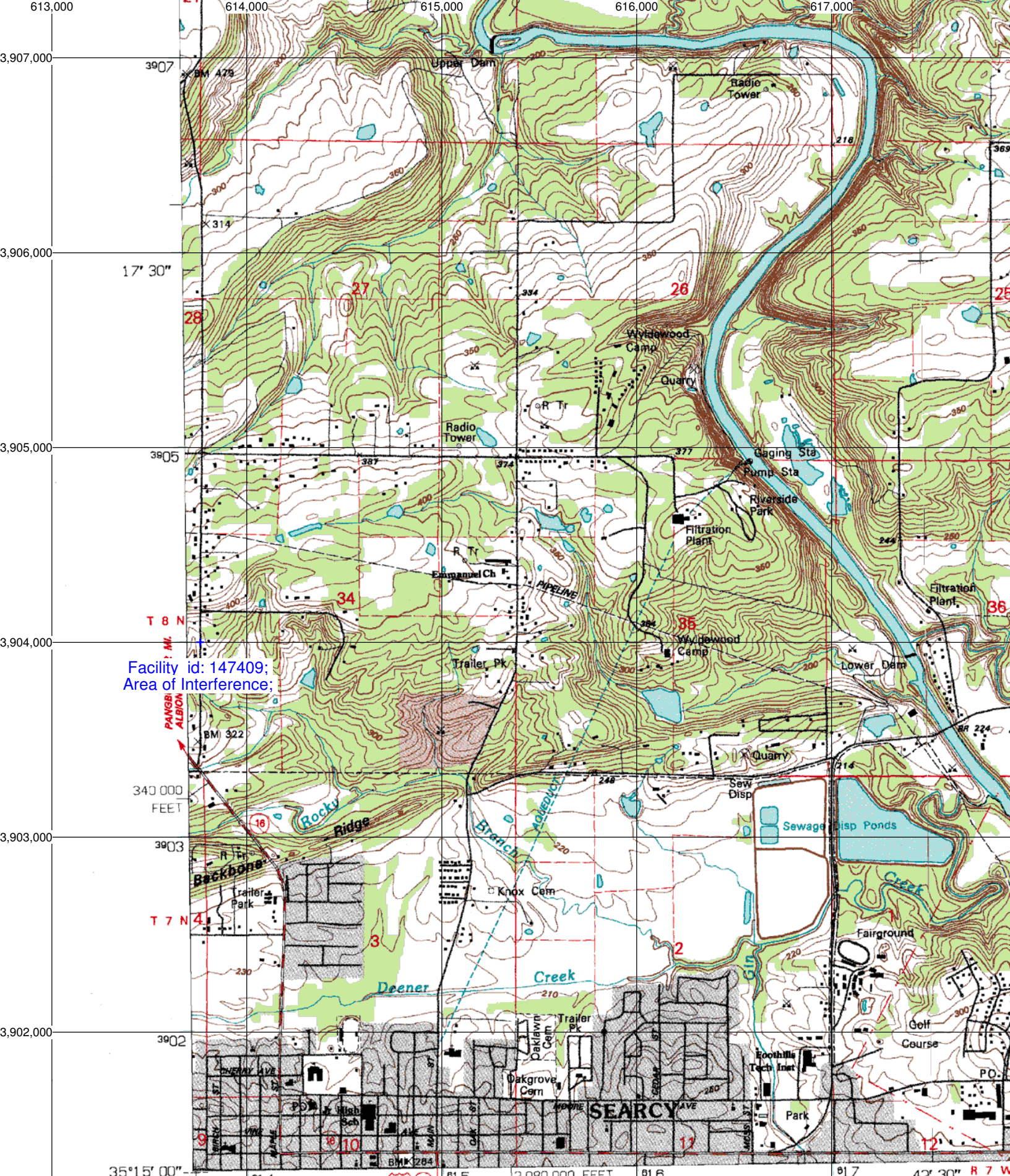
Note: The zone of interference has been calculated to be 1.1m and hence is smaller than the crosshair on the USGS map. There are no buildings in this interference zone, so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Antenna Manufacturer:	WRL
Antenna Model:	FMPV1
CORAGL:	4 m
Maximum ERP:	0.01 kW
Interfering Contour:	146.3 dBμ
Max Int. Contour Distance:	1.1 m

Adjacent Channel Study **For Station K237DX, Facility_id: 147409**

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCMSL	Channel	Adj	Dist	Overlap
1177710	164210	BLH	20070320ANC	KFXV	MALVERN ENTERTAINMENT CORPORATION	C3	KENSETT	AR	LIC	15	229.2	289	2	2.6	0.0597
643159	150208	BNPFT	20030317BYK	NEW	RADIO ASSIST MINISTRY, INC.	D	GREENBRIER	AR	APP	0.062	326.7	288	3	48.2	0
686122	150208	BNPFT	20030829AKS	NEW	RADIO ASSIST MINISTRY, INC.	D	GREENBRIER	AR	APP	0.035	305	288	3	52.8	0
152254	57192	BLH	19900911KD	KFFB	FREEDOM BROADCAST, INC	C2	FAIRFIELD BAY	AR	LIC	15.5	585	291	0	68.8	0
262680	38392	BLH	19980220KE	KOLL	KMZK, INC.	C2	LONOKE	AR	LIC	50	213	292	1	75.5	0
1080111	6819	BXLH	20050816ABM	KHKN	CLEAR CHANNEL BROADCASTING LICENSES, INC	C2	BENTON	AR	LIC	12	379	294	3	86.3	0
187686	6819	BLH	19930629KA	KHKN	CLEAR CHANNEL BROADCASTING LICENSES, INC	C2	BENTON	AR	LIC	16	391	294	3	86.3	0



Facility id: 147409;
Area of Interference;

Produced by the United States Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1965. Revised from aerial photographs taken 1990. Field checked 1992. Map edited 1994

Universal Transverse Mercator projection

Judsonia; AR; Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2,640", 1 cm = 240Mt zone 15, shown in blue