

[Exhibit 12]

Non-Interference Compliance

Regarding Facility id 146836

Channel 243

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 dB μ 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 county 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.

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
299529	BLH6155	WLBH-FM	64.7	64.5
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				64.5

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 **64.5 dBμ**, this makes the proposed translator's worst-case interfering contour **104.5 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **182.1 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.

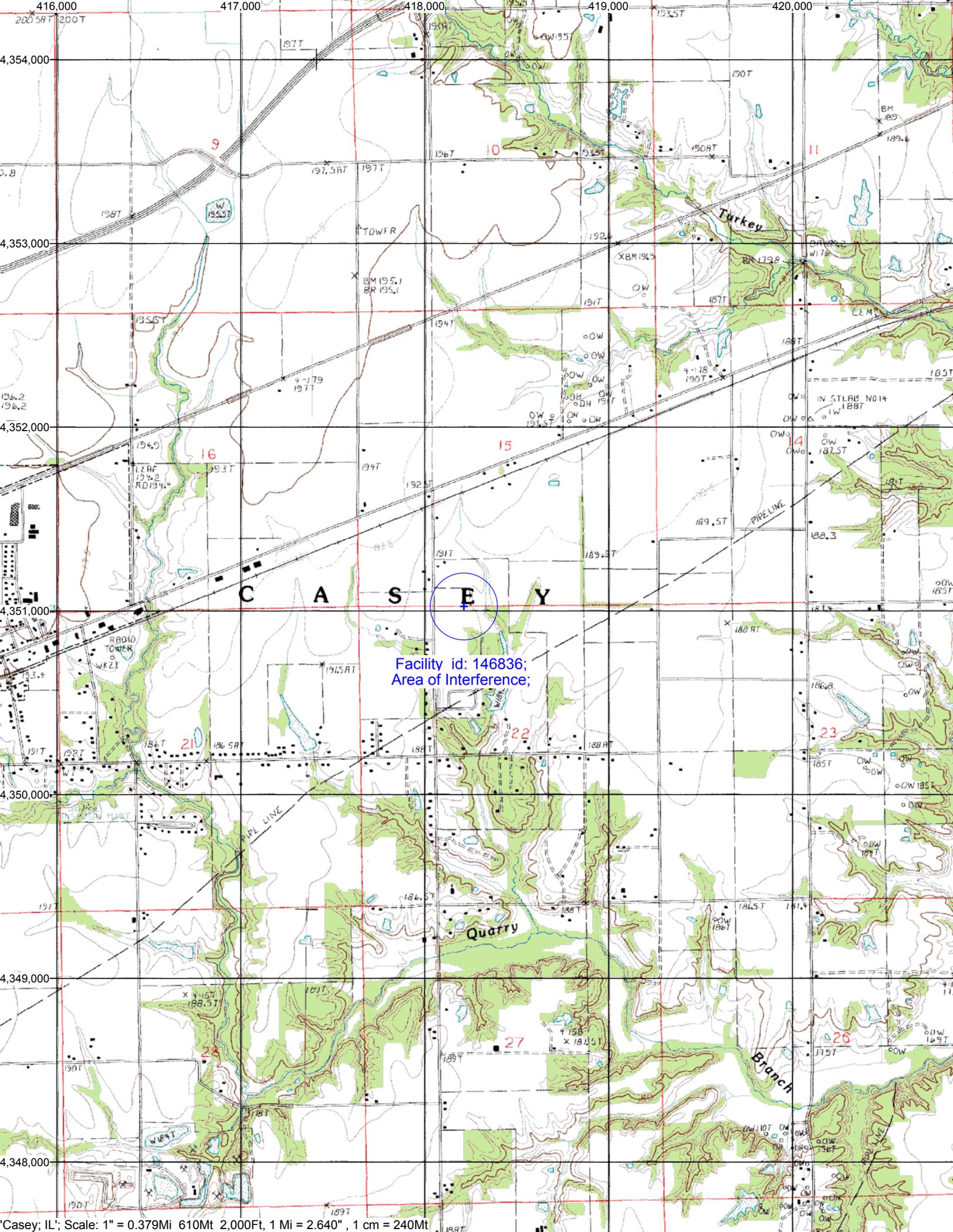
Note: The quadrangle indicates the presence of county roads in the area of interference. It is apparent that these are not major roads, e.g. interstate highways, as described in the Living Way decision and therefore "lack of population" is demonstrated.

Antenna Manufacturer: ERI
Antenna Model: 100-1
CORAGL: 84 m
Maximum ERP: 0.019 kW
Interfering Contour: 104.5 dBμ
Max Int. Contour Distance: 182.1 m

**Adjacent Channel Study
For Station W243BV, Facility_id: 146836**

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCMSL	Channel	Adj	Dist	Overlap
299529	40703	BLH	6155	WLBH-FM		B	MATTOON	IL	LIC	50	361	245	2	43.1	0.4514
680710	146845	BNPFT	20030822AAU	W243AM	RADIO ASSIST MINISTRY, INC.	D	MATTOON	IL	CP	0.038	273	243	0	37.1	0
683053	146848	BNPFT	20030828AFG	W243BL	RADIO ASSIST MINISTRY, INC.	D	NEWTON	IL	CP	0.01	347	243	0	44.1	0
233833	66296	BLH	19961002KE	WWSY	HESTER BROADCASTING CORP.	A	SEELYVILLE	IN	LIC	4.1	288	240	3	55.6	0
1018370	144391	BNPFT	20030828BGN	W243CC	COVENANT NETWORK	D	SAINT ELMO	IL	CP	0.055	225	243	0	83.4	0
607976	66637	BLH	20020724AAN	WFML	THE VINCENNES UNIVERSITY FOUNDATION, INC	A	VINCENNES	IN	LIC	2.15	259.1	244	1	83.5	0
681929	146841	BNPFT	20030826AET	W243AV	RADIO ASSIST MINISTRY, INC.	D	FLORA	IL	CP	0.01	309	243	0	86.8	0
288543	68970	BLH	7632	WAZY-FM		B	LAFAYETTE	IN	LIC	50	352	243	0	138.6	0



Facility id: 146836;
Area of Interference;