

Non-Interference Compliance

Regarding Facility id 142084

Channel 233

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.

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
1042905	BLH20050204ACJ	KTSO	63.3	63.3
	Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour			63.3

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 **63.3 dBμ**, this makes the proposed translator's worst-case interfering contour **103.3 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **758.5 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:	PSI
Antenna Model:	FML-2(.75)
CORAGL:	66 m
Maximum ERP:	0.25 kW
Interfering Contour:	103.3 dBμ
Max Int. Contour Distance:	758.5 m

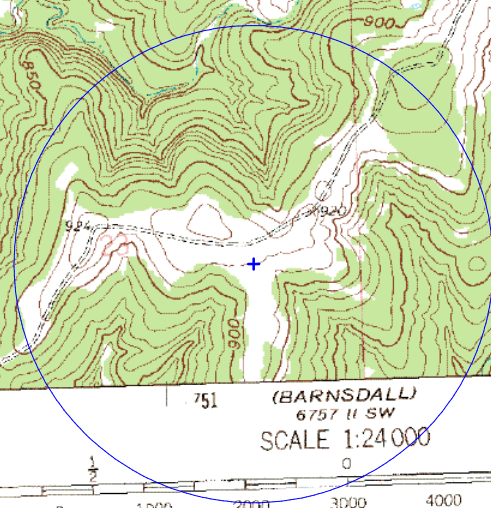
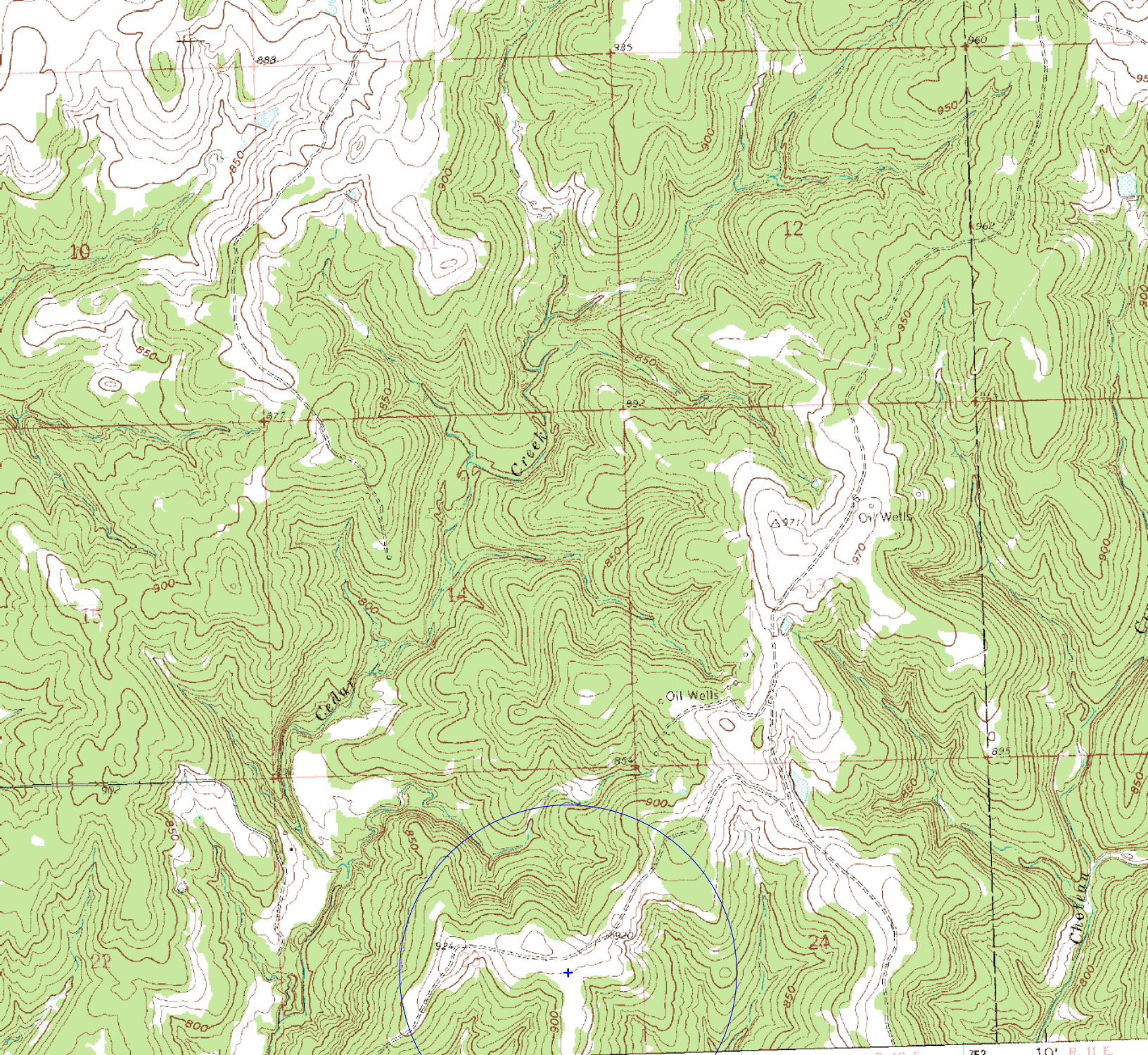
Adjacent Channel Study **For Station NEW, Facility_id: 142084**

Co-channel through third adjacent:

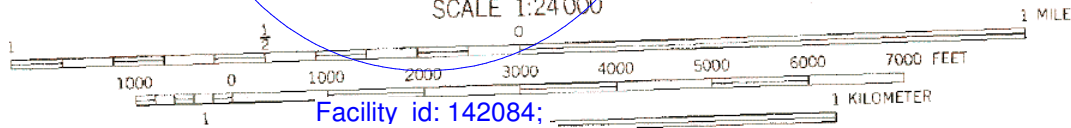
App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
1042905	28850	BLH-20050204ACJ	KTSO	SHAMROCK COMMUNICATIONS, INC	C1	GLENPOOL	OK	LIC	100	437	231	2	56.3	3.8638
1516461	142082	BLFT-20120921ACV	K235BK	SCREEN DOOR BROADCASTING, LLC	D	TULSA	OK	LIC	0.115	320	235	2	61.7	0
1553259	142082	BPFT-20130501ADV	K235BK	SCREEN DOOR BROADCASTING, LLC	D	TULSA	OK	CP	0.1	320	234	1	61.7	0
990118	140310	BLFT-20040422ABH	K233AU	SHAMROCK COMMUNICATIONS, INC.	D	TULSA	OK	LIC	0.25	314	233	0	63.6	0
1559849	140310	BPFT-20130624AAU	K233AU	SHAMROCK COMMUNICATIONS, INC.	D	TULSA	OK	CP	0.25	402	233	0	68.5	0
1561944	156433	BNPFT-20030317HQN	NEW	E-STRING WIRELESS, LTD	D	PONCA CITY	OK	APP	0.25	393	235	2	76.8	0
1369871	171002	BLH-20100517AFQ	KIND-FM	MY TOWN MEDIA, INC	A	ELK CITY	KS	LIC	6	333.2	235	2	79.9	0
157645	35973	BLH-19910225KA	KEMX	ABS COMMUNICATIONS, INC.	A	LOCUST GROVE	OK	LIC	2.3	323	233	0	96.2	0
628473	6488	BMLED-20030319ACZ	KQCV-FM	COMMUNITY BROADCASTING, INC.	C	SHAWNEE	OK	LIC	100	564	236	3	152.8	0
430399	11964	BLH-20000105AAN	KBRU	CLEAR CHANNEL BROADCASTING LICENSES, INC	C0	OKLAHOMA CITY	OK	LIC	94.9	718	234	1	163.5	0
1514726	6506	BPED-20111214ABT	KCVW	COMMUNITY BROADCASTING, INC.	C1	KINGMAN	KS	CP	94	727.7	232	1	173.1	0
50667	63548	BLH-19821217AK	KICT-FM	JOURNAL BROADCAST CORPORATION	C1	WICHITA	KS	LIC	100	688	236	3	176.3	0

Intermediate Frequencies (53 and 54 channels difference):

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Clr
1569642	139219	BNPFT-20130820ABV	NEW	COMMUNITY BROADCASTING, INC.	D	PONCA CITY	OK	APP	0.25	399	287	54	73.5	63.5
1561918	139219	BNPFT-20030312AHI	NEW	COMMUNITY BROADCASTING, INC.	D	PONCA CITY	OK	APP	0.25	399	287	54	73.5	63.5
227673	35015	BLH-19960606KD	KJMM	KJMM, INC.	C2	BIXBY	OK	LIC	10	465	287	54	93.4	78.4



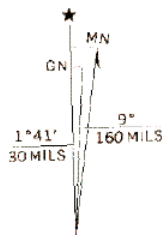
(BARNSDALL)
6757 II SW
SCALE 1:24 000



Facility id: 142084;
Area of Interference;

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929



GRID AND 1960 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND OKLAHOMA GEOLOGICAL SURVEY, NORMAN, OKLAHOMA 73069
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



600 yds