

## **Non-Interference Compliance**

Regarding Facility id 138886

Channel 241

### **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 occupied 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.

<b>Application_id</b>	<b>File Number</b>	<b>Callsign</b>	<b>Contour at Tower</b>	<b>Min. Contour</b>
1073878	BMLH20050720AEX	KPSL-FM	85.9	85.9
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				<b>85.9</b>

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 **85.9 dBμ**, this makes the proposed translator's worst-case interfering contour **125.9 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **56.2 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 occupied 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.**

<b>Antenna Manufacturer:</b>	<b>PSI</b>
<b>Antenna Model:</b>	<b>FML-1-DA</b>
<b>CORAGL:</b>	<b>135 m</b>
<b>Maximum ERP:</b>	<b>0.25 kW</b>
<b>Interfering Contour:</b>	<b>125.9 dBμ</b>
<b>Max Int. Contour Distance:</b>	<b>56.2 m</b>

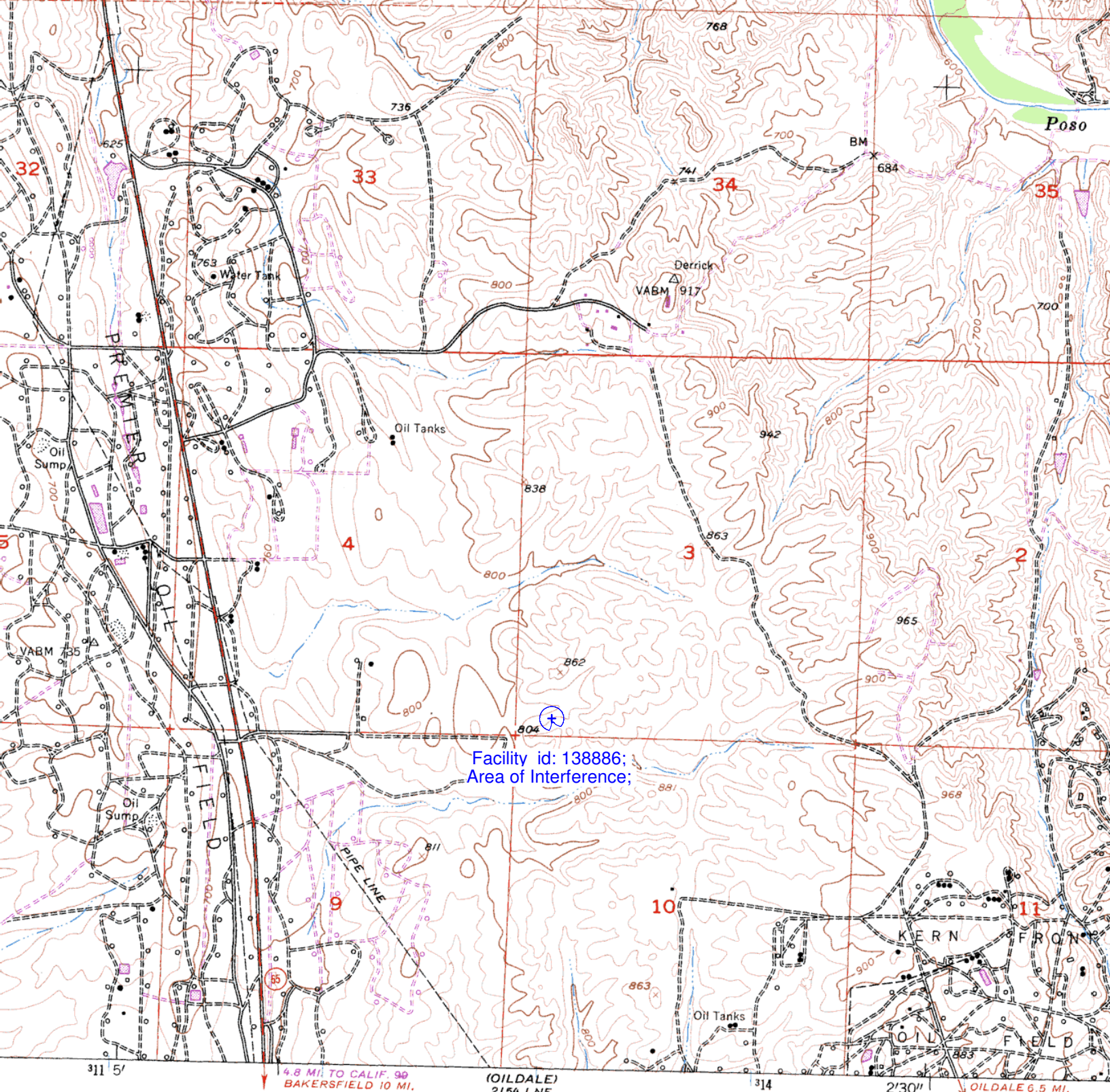
# **Adjacent Channel Study** **For Station K295AZ, Facility\_id: 138886**

## **Co-channel through third adjacent:**

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
1073878	28847	BMLH-20050720AEX	KPSL-FM	LOTUS BAKERSFIELD CORP.	B	BAKERSFIELD	CA	LIC	50	514	243	2	16	3.6275
1519137	81345	BPFT-20121001AZT	K239BB	ONDAS DE VIDA, INC.	D	BAKERSFIELD	CA	CP	0.08	153	239	2	16.8	0
1490432	81345	BLFT-20120306ABD	K239BB	ONDAS DE VIDA, INC.	D	BAKERSFIELD	CA	LIC	0.12	141	239	2	17.6	0
1547073	139845	BNPFT-20130322AFL	K240EE	EDUCATIONAL MEDIA FOUNDATION	D	BAKERSFIELD	CA	CP	0.055	168	240	1	20.8	0
1166752	146385	BLFT-20070108AAA	K239AZ	LIVING PROOF, INC.	D	LAKE ISABELLA	CA	LIC	0.01	2174	239	2	50.2	0
1504307	48657	BPH-20120904AAA	DKSLK	NEW VISALIA BROADCASTING, INC.	A	VISALIA	CA	CP	0.67	496	241	0	85.8	0
1409352	164156	BMLH-20101130API	KCEL	COLOMA MOJAVE, LLC	A	MOJAVE	CA	LIC	0.63	1466	241	0	86	0
204054	48657	BLH-19941115KA	DKSLK	NEW VISALIA BROADCASTING, INC.	A	VISALIA	CA	LIC	4.8	239	241	0	95.2	0
1615872	138850	BNPFT-20130826AEE	K244EW	LIVING PROOF, INC.	D	PALMDALE	CA	CP	0.01	1251	244	3	109.2	0
1519572	70563	BPH-20121016ACW	KOCP	GOLD COAST BROADCASTING LLC	A	CAMARILLO	CA	CP	1	892	240	1	121.5	0
262234	70563	BLH-19980209KF	KOCP	GOLD COAST BROADCASTING LLC	B1	CAMARILLO	CA	LIC	1.2	689	240	1	132	0
989271	35925	BMLH-20040420AAV	KLJR-FM	LAZER LICENSES, LLC	A	SANTA PAULA	CA	LIC	0.28	703	244	3	132.2	0
711451	51185	BLH-20040107AAF	KSYV	KNIGHT BROADCASTING, INC.	A	SOLVANG	CA	LIC	0.42	619	244	3	142.8	0
1107995	2097	BLH-20060113ABY	KALZ	CAPSTAR TX LLC	B1	FOWLER	CA	LIC	25	181	244	3	144.4	0
1153369	58894	BLH-20061012AAF	KSly-FM	EDB SLO LICENSE LLC	B	SAN LUIS OBISPO	CA	LIC	3.6	829	241	0	145.4	0
1200013	54755	BLH-20070814AAE	KPAT	AGM CALIFORNIA, INC.	B1	ORCUTT	CA	LIC	3.3	425	239	2	152.5	0
114045	65773	BLH-19880616KB	KJFX	WILKS LICENSE COMPANY-FRESNO LLC	B	FRESNO	CA	LIC	17.5	663	239	2	164	0
70727	35078	BLH-19840702CP	KLOS	RADIO LICENSE HOLDINGS LLC	B	LOS ANGELES	CA	LIC	61	1851	238	3	169.6	0

## **Intermediate Frequencies (53 and 54 channels difference):**

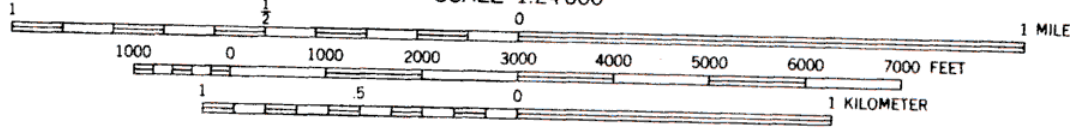
App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Clr
1543210	71714	BLH-20130311ADZ	KJUG-FM	MOMENTUM BROADCASTING LP	B	TULARE	CA	LIC	27.1	869.6	294	53	82.6	67.6



Facility id: 138886;  
Area of Interference;

(OILDALE)  
2154 1 NE

SCALE 1:24 000



CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE



