

**Non-Interference Compliance**

Regarding Facility id 85371

Channel 293

**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.

Page 5 of this exhibit is a high resolution aerial photo of the vicinity surrounding the proposed translator's tower site provided by the U.S. Geological Survey's National Aerial Photography Program. It has been included to provide clarification of the nature of the buildings in the vicinity.

**Note: The USGS quadrangle and the aerial photo provided in this exhibit show the presence of several buildings within the area of interference as well as a tower access road. These buildings are uninhabited and are for the sole purpose of housing communication equipment associated with the towers. The road is not a major road such as an interstate highway. Therefore a lack of population has been demonstrated and this application is 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>
276653	BLH19981105KC	KPLM	104.5	104.2
616232	BMLH20021028AAA	KDGL	58.9	58.5
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				<b>58.5</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 **58.5 dBμ**, this makes the proposed translator's worst-case interfering contour **98.5 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **263.6 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.

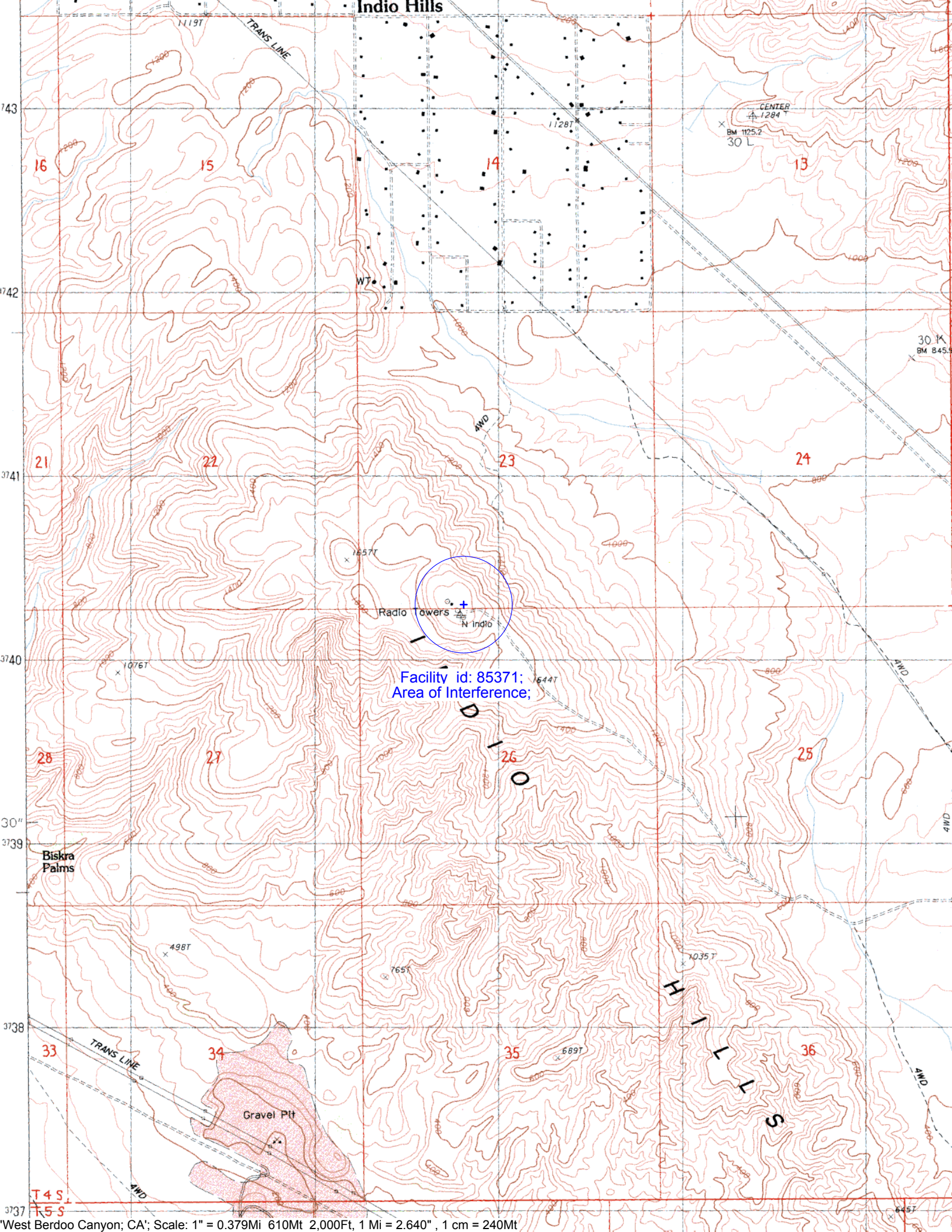
<b>Antenna Manufacturer:</b>	<b>SWR</b>
<b>Antenna Model:</b>	<b>FM1</b>
<b>CORAGL:</b>	<b>9 m</b>
<b>Maximum ERP:</b>	<b>0.01 kW</b>
<b>Interfering Contour:</b>	<b>98.5 dBμ</b>
<b>Max Int. Contour Distance:</b>	<b>263.6 m</b>

# **Adjacent Channel Study** **For Station K239AD, Facility\_id: 85371**

**Co-channel through third adjacent:**

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
276653	54360	BLH	19981105KC	KPLM	R M BROADCASTING L.L.C.	B	PALM SPRINGS	CA	LIC	50	840	291	2	7.7	0.2376
616232	14058	BMLH	20021028AAA	KDGL	MCC RADIO, LLC - KYOR (FM)	B	YUCCA VALLEY	CA	LIC	4	1554	295	2	33	0.2376
991652	93956	BLFTB	20040504ABK	KDGL-FM1	MCC RADIO, LLC	D	PALM SPRINGS	CA	LIC	2.7	493	295	2	20.5	0
418549	92390	BLFTB	19990831AAL	KPLM-FM1	RM BROADCASTING LLC	D	JOSHUA TREE & TWEN	CA	LIC	0.2	967	291	2	39.2	0
629585	138854	BNPFT	20030312ACC	NEW	LIVING PROOF, INC.	D	PALM SPRINGS	CA	APP	0.01	2429	293	0	60.3	0
649071	155817	BNPFT	20030317ECD	NEW	1400 INC.	D	BANNING	CA	APP	0.01	909	293	0	63.6	0
632983	141401	BNPFT	20030312AAZ	NEW	CREATIVE EDUCATIONAL MEDIA CORP., INC.	D	SAN JACINTO	CA	APP	0.01	1164	293	0	67.3	0
551170	93671	BLFTB	20010109AAX	KPLM-FM2	RM BROADCASTING LLC	D	SAN JACINTO	CA	LIC	0.25	1142	291	2	67.4	0
633395	141730	BNPFT	20030314AVV	NEW	CALVARY CHAPEL OF COSTA MESA, INC.	D	BEAUMONT	CA	APP	0.007	828	293	0	79.9	0
631511	140227	BNPFT	20030314ATG	NEW	FAITH PLEASES GOD CHURCH CORP.	D	SAN BERNADINO	CA	APP	0.115	429	293	0	95	0
630834	139774	BNPFT	20030314ASJ	NEW	FAITH PLEASES GOD CHURCH CORP.	D	SUNNYMEAD	CA	APP	0.115	434	293	0	95	0
1043531	145140	BNPFT	20030711AAT	NEW	FAITH PLEASES GOD CHURCH CORP.	D	APPLE VALLEY	CA	APP	0.01	1985	291	2	97.1	0
637672	145140	BNPFT	20030313AWR	NEW	FAITH PLEASES GOD CHURCH CORP.	D	APPLE VALLEY	CA	APP	0.01	1985	291	2	97.1	0
629588	138857	BNPFT	20030312ABZ	NEW	LIVING PROOF, INC.	D	RIVERSIDE	CA	APP	0.01	967	293	0	99	0
636017	143789	BNPFT	20030312BAG	NEW	RFENGINEERS.COM, INC	D	MORENO VALLEY	CA	APP	0.001	919	294	1	99.9	0
185751	55181	BLH	19930427KB	KIXA	REGENT LICENSEE OF VICTORVILLE, INC.	A	LUCERNE VALLEY	CA	LIC	0.56	1707	293	0	100.5	0
78191	35139	BLH	19850508KA	KSSD	BIG CITY RADIO-LA, L.L.C.	A	FALLBROOK	CA	LIC	3	358	296	3	100.7	0
649435	156157	BNPFT	20030317HHE	NEW	JUAN ALBERTO AYALA	D	DEL ROSA	CA	APP	0.03	391	292	1	102.3	0

## Indio Hills



"West Berdoo Canyon; CA"; Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640", 1 cm = 240Mt



