

Non-Interference Compliance

Regarding Facility id 30447

Channel 242

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 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.

<u>Application_id</u>	<u>File Number</u>	<u>Callsign</u>	<u>Contour at Tower</u>	<u>Min. Contour</u>
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				65.2

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 **65.2 dBμ**, this makes the proposed translator's worst-case interfering contour **105.2 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **121.9 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.

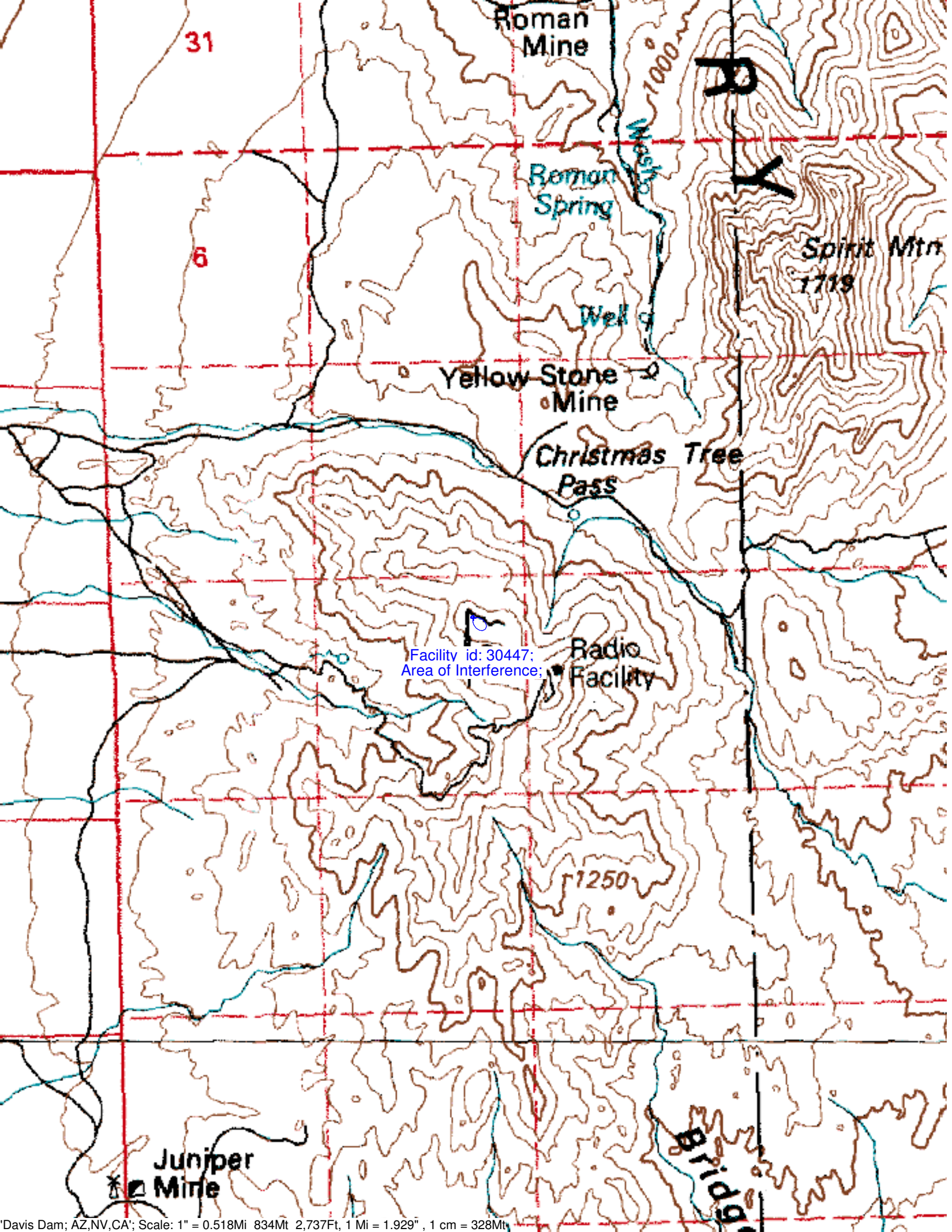
Note: There are no occupied buildings within the zone of predicted interference so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Antenna Manufacturer:	SCA
Antenna Model:	CL-FM @ 135°
CORAGL:	54 m
Maximum ERP:	0.01 kW
Interfering Contour:	105.2 dBμ
Max Int. Contour Distance:	121.9 m

Adjacent Channel Study
For Station K242AS, Facility_id: 30447

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
1251438	54323	BLFT-20080619AIH	K245AW	ADVANCE MINISTRIES, INC.	D	RIVERIA, ETC.	AZ	LIC	0.157	1473	245	3	0.9	0.0087
1249538	70255	BLFT-20080610ACI	K240CL	CAMERON BROADCASTING, INC.	D	BULLHEAD CITY	AZ	LIC	0.145	1249	240	2	42.2	0
131264	8384	BLFT-19890724TA	K244CV	CAMERON BROADCASTING, INC.	D	KINGMAN	AZ	LIC	0.084	1164	244	2	64.6	0
91544	54319	BLFT-19860822TD	K240BO	DONALD F. HENDREN	D	KINGMAN	AZ	LIC	0.082	2352	240	2	78.7	0
612124	30449	BLFT-20020913AAB	K242AQ	DONALD F. HENDREN	D	KINGMAN	AZ	LIC	0.038	2353	242	0	78.7	0
1459077	40757	BMLH-20111201LCE	KKLZ	KJUL LICENSE, LLC	C	LAS VEGAS	NV	LIC	100	1056	242	0	87.2	0
1259788	77754	BLH-20080731ACG	KRCY-FM	RICK L. MURPHY	C3	LAKE HAVASU CIT	AZ	LIC	0.26	1451	244	2	92.9	0
1402758	38307	BPFT-20101008ACT	K242AR	DONALD F. HENDREN	D	LAKE HAVASU CIT	AZ	CP	0.01	1440	242	0	92.9	0
654292	38307	BLFT-20030327ADG	K242AR	DONALD F. HENDREN	D	LAKE HAVASU CIT	AZ	LIC	0.041	160	242	0	95.5	0
649774	156483	BNPFT-20030317JKH	NEW	DONALD F. HENDREN	D	KINGMAN	AZ	APP	0.25	1860	243	1	101.7	0
1547652	156483	BNPFT-20130326AGI	NEW	DONALD F. HENDREN	D	KINGMAN	AZ	APP	0.17	974	243	1	101.8	0
1523177	170952	BLH-20121107ABT	KPKR	RIVER RAT RADIO, LLC	B1	PARKER	AZ	LIC	6.3	537	239	3	117.3	0
650127	156833	BNPFT-20030317JPC	NEW	DONALD F. HENDREN	D	PARKER	AZ	APP	0.25	246	239	3	128.1	0



31

Roman Mine

Roman Spring

Well 9

Spirit Mtn
1719

Yellow Stone Mine

Christmas Tree Pass

Facility id: 30447;
Area of Interference;

Radio Facility

1250

Juniper Mine

Bridg

