

Non-Interference Compliance

Regarding Facility id 146554

Channel 263

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.

Application_id	File Number	Callsign	Contour at Tower	Min. Contour
1562900	BLFT20130711ABO	K265CJ	97.8	97.8
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				97.8

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 **97.8 dBμ**, this makes the proposed translator's worst-case interfering contour **137.8 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **5.7 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").

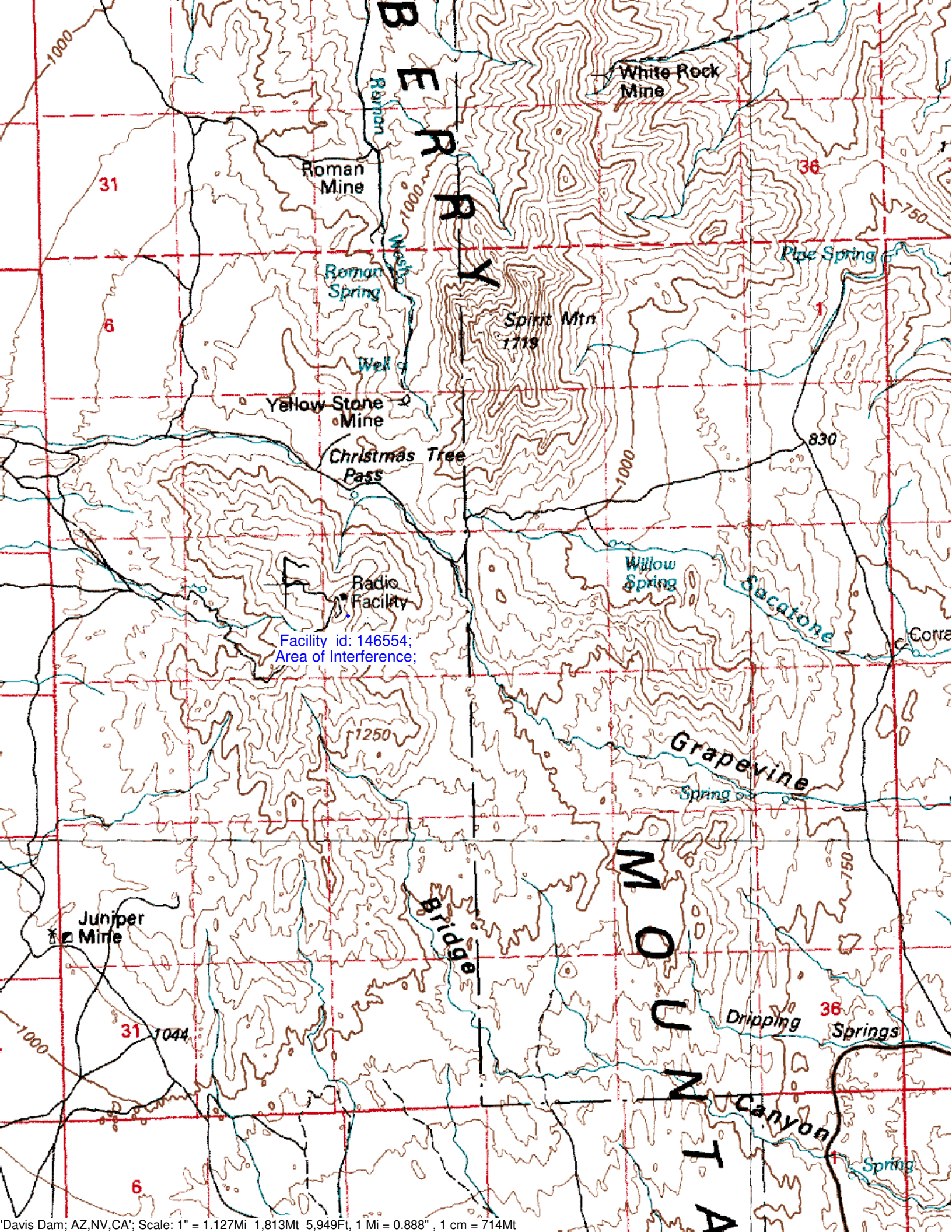
Note: There are no occupied buildings or major roads within the zone of predicted interference so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Antenna Manufacturer: SCA
Antenna Model: CL-FM @ 125°
CORAGL: 6 m
Maximum ERP: 0.04 kW
Interfering Contour: 137.8 dBμ
Max Int. Contour Distance: 5.7 m

Adjacent Channel Study
For Station NEW, Facility_id: 146554

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
1562900	30451	BLFT-20130711ABO	K265CJ	SMOKE AND MIRRORS, LLC	D	LAUGHLIN	NV	LIC	0.12	1527	265	2	0.9	0.0362
1570232	157948	BNPFT-20130822AAD	NEW	RICK L. MURPHY	D	MOHAVE VALLEY	AZ	APP	0.01	276	260	3	36.3	0
1570684	157948	BNPFT-20130822AAD	NEW	RICK L. MURPHY	D	MOHAVE VALLEY	AZ	APP	0.01	276	260	3	36.3	0
1564760	157948	BNPFT-20030317MAC	NEW	RICK L. MURPHY	D	MOHAVE VALLEY	AZ	APP	0.01	276	260	3	36.3	0
1570752	156692	BNPFT-20130826ABF	NEW	DONALD F. HENDREN	D	MOHAVE VALLEY	AZ	APP	0.25	205	264	1	38.1	0
1563106	156692	BNPFT-20030317JOA	NEW	DONALD F. HENDREN	D	MOHAVE VALLEY	AZ	APP	0.25	205	264	1	38.1	0
1065247	162222	BLFTB-20050601CEU	KGMN-FM1	NEW WEST BROADCASTING SYSTEM, INC.	D	BULLHEAD CITY	AZ	LIC	0.003	1213	261	2	41.3	0
1563135	142491	BNPFT-20030317ARL	NEW	POWELL MEREDITH COMMUNICATIONS COMPANY	D	NEEDLES	CA	APP	0.25	223	262	1	46.7	0
1478187	9035	BPFT-20101005AAC	K264AB	DONALD F. HENDREN	D	KINGMAN	AZ	CP	0.01	2355	264	1	78	0
173555	9035	BLFT-19920518TE	K264AB	DONALD F. HENDREN	D	KINGMAN	AZ	LIC	0.01	2569	264	1	78.5	0
594551	48680	BMLH-20020213AAY	KGMN	NEW WEST BROADCASTING SYSTEMS, INC.	C2	KINGMAN	AZ	LIC	0.91	2340	261	2	79.6	0
1566268	12560	BSTA-20130730ACH	KXNT-FM	CBS RADIO STATIONS INC.	C	HENDERSON	NV	APP	5.6	1255	263	0	81.3	0
1180954	12560	BMLH-20070406ABM	KXNT-FM	CBS RADIO STATIONS INC.	C	HENDERSON	NV	LIC	100	1047	263	0	88	0
1441353	40555	BLFT-20110826ADS	K260BR	DONALD F. HENDREN	D	LAKE HAVASU CIT	AZ	LIC	0.034	1437	260	3	92.1	0
1431828	38314	BLH-20110613AAX	KRRK	SMOKE AND MIRRORS, LLC	C3	DESERT HILLS	AZ	LIC	0.275	1461	264	1	92.1	0
1519833	191061	BNPH-20121010AAO	NEW	THE HUALAPAI TRIBE	A	PEACH SPRINGS	AZ	APP	2.1	1688	265	2	126.8	0





40 yds

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