

[Exhibit 13]

## **Non-Interference Compliance**

Regarding Facility id 149062

Channel 232

### **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 dB $\mu$  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.

Page 6 of this exhibit is a contour map showing the 60 dB $\mu$  F(50,50) and 100dB $\mu$  F(50,10) contours of proposed NEW, Kingman, AZ FAC# 149062, BNPFT-20030314CJH and concurrently amended short form application for NEW, Kingman, AZ FAC# 156597, BNPFT-20030317JMJ.

**Note: In the concurrently amended application for BNPFT-20030317JMJ it was demonstrated that BNPFT-20030317JMJ qualified for a 1204d population waiver in regards to proposed amendment for this NEW, Kingman, AZ FAC# 149062, BNPFT-20030314CJH.**

**Note: The only structures within the zone of predicted interference are communications buildings 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. This application will result in 2 expected singletons (NEW, Kingman, AZ FAC# 149062, BNPFT-20030314CJH and NEW, Kingman, AZ FAC# 156597, BNPFT-20030317JMJ.**

## 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 dB $\mu$  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>
1244655	BLH20080409ADN	KFLG-FM	66.3	66
649885	BNPFT20030317JMJ	NEW	74.4	74.4
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				<b>66</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 **66 dB $\mu$** , this makes the proposed translator's worst-case interfering contour **106 dB $\mu$** . By the free-space equation, this contour is calculated to extend a maximum of **555.9 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: The only structures within the zone of predicted interference are communications buildings 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. This application will result in 2 expected singletons (NEW, Kingman, AZ FAC# 149062, BNPFT-20030314CJH and NEW, Kingman, AZ FAC# 156597, BNPFT-20030317JMJ.**

**Antenna Manufacturer:** SCA  
**Antenna Model:** CL-FM @ 316°  
**CORAGL:** 8 m  
**Maximum ERP:** 0.25 kW  
**Interfering Contour:** 106 dB $\mu$   
**Max Int. Contour Distance:** 555.9 m

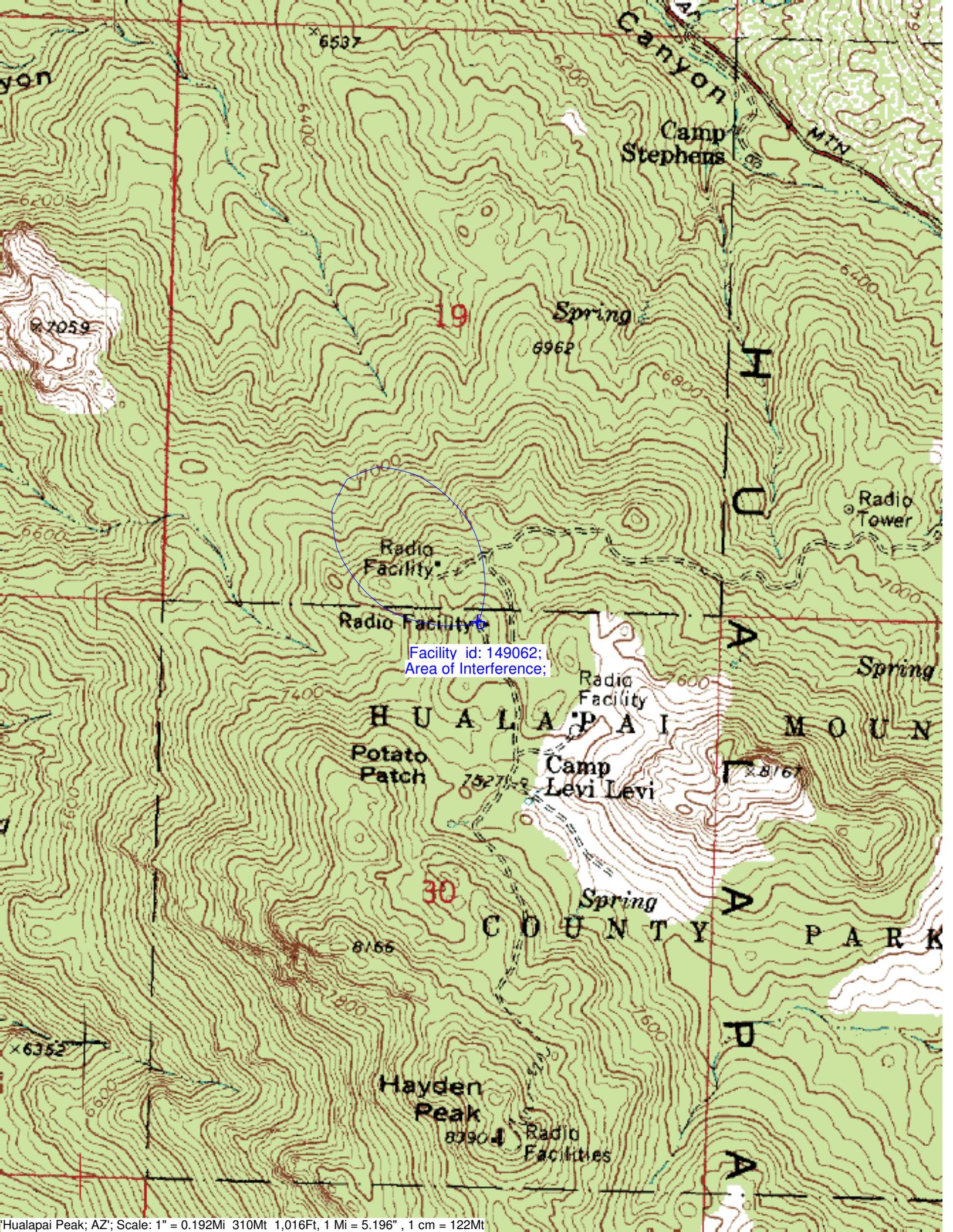
## Adjacent Channel Study For Station NEW, Facility\_id: 149062

### Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
649885	156594	BNPFT-20030317JMJ	NEW	DONALD F. HENDREN	D	KINGMAN	AZ	APP	0.25	2600	230	2	13.9	0.2275
1244655	55495	BLH-20080409ADN	KFLG-FM	CAMERON BROADCASTING, INC.	C0	BIG RIVER	CA	LIC	19.5	1462	234	2	65.8	0.2275
1244771	177864	BLFTB-20080430ACN	KFLG-FM1	CAMERON BROADCASTING, INC.	D	KINGMAN	AZ	LIC	1.2	1064	234	2	20.8	0
1561248	164262	BPH-20130215ABX	KVYL	BIG RIVER BROADCASTING LLC	C3	MOHAVE VALLEY	AZ	APP	1	1244	229	3	42.8	0
1550735	164262	BPH-20130215ABX	KVYL	BIG RIVER BROADCASTING LLC	C3	MOHAVE VALLEY	AZ	APP	1	1244	229	3	42.8	0
1394348	164262	BLH-20100802AYI	KVYL	BIG RIVER BROADCASTING LLC	A	MOHAVE VALLEY	AZ	LIC	6	285	229	3	58.8	0
1543825	150990	BNPFT-20130304AAA	K232EI	RADIO ASSIST MINISTRY, INC.	D	LAKE HAVASU CIT	AZ	CP	0.25	1435	232	0	65.9	0
1551073	141787	BNPFT-20030317AYW	NEW	HORIZON CHRISTIAN FELLOWSHIP	D	BULLHEAD CITY	AZ	APP	0.05	1489	231	1	78.1	0
1009722	109	BLH-20040831ACC	KDDL	PRESCOTT VALLEY BROADCASTING CO. INC.	C3	CHINO VALLEY	AZ	LIC	4.1	1683	232	0	125.3	0
603043	51676	BLH-19991005ABX	KMXB	CBS RADIO STATIONS INC.	C	HENDERSON	NV	LIC	100	1044	231	1	142.3	0
1485672	190177	BNPFTB-20120127AJD	KXLI-FM2	RADIO ACTIVO BROADCASTING LICENSE, LLC	D	HENDERSON	NV	CP	0.26	562	233	1	143.2	0
1336375	156220	BLFT-20091001ABH	K234BS	ONDAS DE VIDA, NETWORK, INC.	D	LAS VEGAS	NV	LIC	0.25	694	234	2	164.1	0
1422824	177861	BMLFTB-20110404AER	KXLI-FM1	RADIO ACTIVO BROADCASTING LICENSE, LLC	D	SUNRISE MANOR	NV	LIC	0.34	826	233	1	165.1	0
1548719	56170	BPFT-20130328AUG	K250AF	RICHARD D. TATHAM	D	LAS VEGAS	NV	APP	0.165	1908	229	3	169.1	0
1244170	164097	BLH-20080229AAT	KXLI	RADIO ACTIVO BROADCASTING LICENSE, LLC	C	MOAPA	NV	LIC	93	1755	233	1	172.5	0
1395179	89128	BLH-20100812ACK	KHRQ	THE DRIVE LLC	B1	BAKER	CA	LIC	1.45	1371	235	3	187.2	0
1551291	148594	BNPFT-20030317GGW	NEW	EASTERN SIERRA BROADCASTING	D	NORTH LAS VEGAS	NV	APP	0.017	1018	231	1	190.5	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
1483448	164263	BMPH-20111227AAB	KVAL	SMOKE AND MIRRORS, LLC	C2	CAL-NEV-ARI	NV	CP MOD	1.35	1536	285	53	78.7	63.7
1234654	164263	BLH-20080219AYE	KVAL	SMOKE AND MIRRORS, LLC	A	CAL-NEV-ARI	NV	LIC	0.1	1532	285	53	78.7	68.7



x 6537

7059

19

6962

Radio Facility

Radio Facility

Facility id: 149062;  
Area of Interference;

HUALAPAI MOUNTAIN

Potato Patch

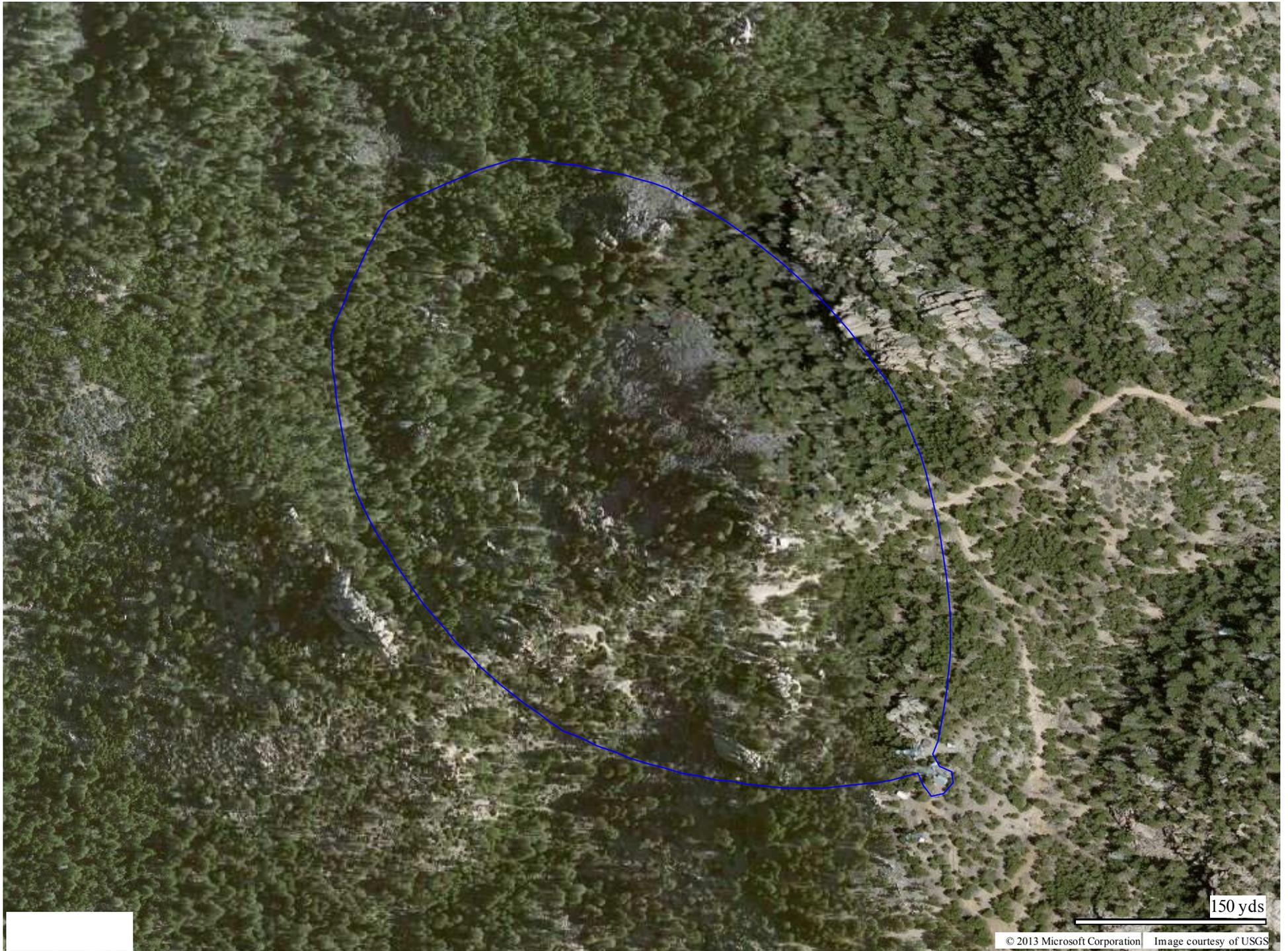
Camp Levi Levi

30

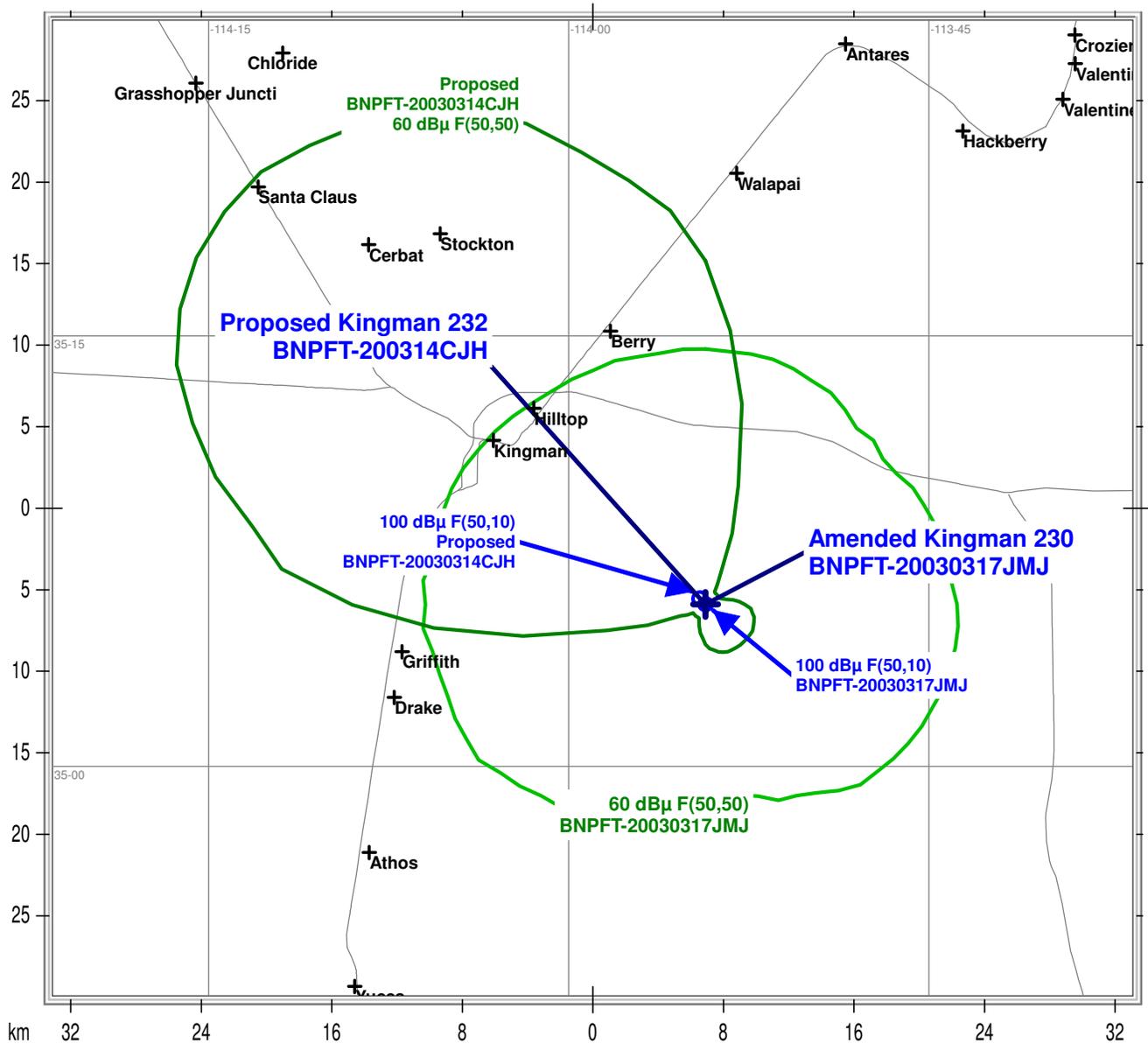
8166

Hayden Peak  
8390

Radio Facilities



Proposed Amended Short Form BNPFT -20030314CJH & Amended BNPFT-20030317JMJ



AZ031, 8m, 250W, channel 232, CL-FM @ 316 degrees, Fill-In KJJJ-HD3

State Borders Highways Lat/Lon Grid

Map Scale: 1:403372 1 cm = 4.03 km VIH Size: 59.82 x 66.21 km

Gene Wisniewski