

## **Non-Interference Compliance**

Regarding Facility id 9036

Channel 246

### **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>
1564581	BNPFT20030314BEH	NEW	94.5	94.5
1570700	BNPFT20130826AAI	NEW	94.5	94.5
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				<b>94.5</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 **94.5 dBμ**, this makes the proposed translator's worst-case interfering contour **134.5 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **15.9 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").

**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  
**CORAGL:** 12 m  
**Maximum ERP:** 0.145 kW  
**Interfering Contour:** 134.5 dBμ  
**Max Int. Contour Distance:** 15.9 m

# **Adjacent Channel Study** **For Station K268AC, Facility\_id: 9036**

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

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
1570700	145073	BNPFT-20130826AAI	NEW	CAMERON BROADCASTING, INC.	D	KINGMAN	AZ	APP	0.05	2353	248	2	1.4	0.1318
1564581	145073	BNPFT-20030314BEH	NEW	CAMERON BROADCASTING, INC.	D	KINGMAN	AZ	APP	0.05	2358	248	2	1.4	0.1318
131264	8384	BLFT-19890724TA	K244CV	CAMERON BROADCASTING, INC.	D	KINGMAN	AZ	LIC	0.084	1164	244	2	18	0
1547652	156483	BNPFT-20130326AGI	K243BR	DONALD F. HENDREN	D	KINGMAN	AZ	CP	0.17	974	243	3	22.5	0
1570011	152189	BNPFT-20130821ABG	NEW	DONALD F. HENDREN	D	KINGMAN	AZ	APP	0.028	1522	247	1	43.3	0
1561856	152189	BNPFT-20030317HJO	NEW	DONALD F. HENDREN	D	KINGMAN	AZ	APP	0.028	1522	247	1	43.3	0
1352531	9039	BLFT-20100108AAQ	K246AE	STEVEN M. GREELEY	D	LAKE HAVASU CIT	AZ	LIC	0.01	1440	246	0	64.6	0
1259788	77754	BLH-20080731ACG	KRCY-FM	RICK L. MURPHY	C3	LAKE HAVASU CIT	AZ	LIC	0.26	1451	244	2	64.6	0
1547342	9039	BMPFT-20130325AGO	K246AE	STEVEN M. GREELEY	D	LAKE HAVASU CIT	AZ	CP MOD	0.25	1440	246	0	64.6	0
1559013	147059	BLFT-20130611ACW	K248BJ	ADVANCE MINISTRIES, INC. D/B/A/ NEW LIFE	D	MOHAVE VALLEY	AZ	LIC	0.195	1466	248	2	78.4	0
1562042	147059	BPFT-20130708AAQ	K248BJ	ADVANCE MINISTRIES, INC. D/B/A/ NEW LIFE	D	MOHAVE VALLEY	AZ	APP	0.25	1466	248	2	78.4	0
1251438	54323	BLFT-20080619AIH	K245AW	ADVANCE MINISTRIES, INC.	D	RIVERIA, ETC.	AZ	LIC	0.157	1473	245	1	78.4	0
189678	14876	BLFT-19930907TH	K247AC	FREEPORT-MCMORAN BAGADAD INC.	D	BAGDAD	AZ	LIC	0.046	1215	247	1	87.1	0
982608	92496	BLFTB-20031216AAA	KVEG-FM1	KEMP BROADCASTING, INC.	D	HENDERSON	NV	LIC	20	1020	248	2	143.5	0
1571339	153545	BNPFT-20130826ABC	NEW	MARY V. GUTHRIE	D	LAS VEGAS	NV	APP	0.0045	549	244	2	154.2	0
1549607	153545	BNPFT-20030317BDY	NEW	MARY V. GUTHRIE	D	LAS VEGAS	NV	APP	0.25	568	244	2	160.9	0
1422821	179021	BLFTB-20110404AET	KYLI-FM1	LKCM RG LICENSES LLC	D	SUNRISE MANOR	NV	LIC	0.34	826	244	2	166.3	0
1062902	68566	BLH-20050413ABX	KMVA	TRUMPER COMMUNICATIONS III LICENSE, LLC	C	DEWEY-HUMBOLDT	AZ	LIC	42	2382	248	2	169.1	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
1458188	25752	BLH-20111104AKO	KVGS	KJUL LICENSE, LLC	C	MEADVIEW	AZ	LIC	100	1536	300	54	92.1	63.1
1434374	77750	BLH-20110705ACK	KFTT	SMOKE AND MIRRORS, LLC	C3	BAGDAD	AZ	LIC	1	1381	299	53	82.3	70.3







