

## **K268BH**

### **Mesquite, NV**

Proposed Minor Modification  
of Licensed Translator Facility

#### **Application Overview:**

As a result of the recent grant of BPH-20091016AEO, the primary service of KCLS(FM) has been permitted to serve the community of Leeds, UT, on Channel 268C0 which is co-channel to the currently licensed, secondary services of translator K268BH. The permitted KCLS(FM) operations at Leeds and the licensed K268BH operations are in relative proximity to each other and will therefore cause impermissible interference towards each other.

In order to prevent the imminent interference from occurring, and due to the nature of the translator being a secondary service to KCLS(FM), the Applicant proactively seeks a channel displacement change for K268BH. Unfortunately, the applicant has determined that it is precluded from moving to an adjacent channel or intermediate frequency in accordance with Section 74.1233(a)(1) to mitigate the impending interference due to Section 74.1204 prohibited overlap issues with other stations on those channels.

Exhibit 1 includes a Preclusion Study of the Adjacent to which K268BH could investigate moving to under the minor change provisions of the Rules (Adjacent Channels 265 through 271). A change to the I.F. frequency is not permissible as it would place the commercial translator in the reserved band. As can be seen in the Preclusion Study, however, Channels 265 through 271 are not available for K268BH as operations on those channels would cause interference to KCLS(FM) on all minor-change eligible channels since the translator is in a mixed residential

area and the operation would place an interfering contour over occupied structures thereby eliminating the possibility of operating on a second or third adjacent channel to KCLS(FM).

The Applicant has determined that Channel 294 can be made available for the instant facility's use. However, a move to this channel change would be considered non-adjacent. Therefore, the Applicant respectfully seeks a waiver Section 74.1233(a)(1) of the Commission's Rules that would otherwise consider the relocation to a non-adjacent channel to be a "major change."

Although K268BH is considered a secondary service as a translator, it provides an extremely valuable service to the public. The translator is located at Mesquite, NV, population 15,276. Termination of K268BH's operations would disserve the listening public and grant of a waiver due to the unique circumstances of this request would further the public interest. *See WAIT Radio v. FCC*, 418 F. 2d 1153, 1157 (D.C. Cir. 1969), *cert denied*, 409 U.S. 1027 (1972).

**Technical Information:**

The Applicant hereby proposes to modify only the proposed Channel of the instant facility. All other operating parameters such as location, height, and ERP will remain the same as that which is currently licensed as follows:

**Tech Box:**

Channel:	294
Antenna Coordinates:	N36-45-30, W 114-01-10 (NAD 27)
ASRN:	N/A
Tower Site Base AMSL:	624 m
Overall Tower Height AGL:	15 m
COR AGL:	12 m
ERP:	0.22 kW
Directional Antenna:	No

**Interference Study:**

Exhibit 3 is a contour overlap study demonstrating that the proposed antenna site provides requisite contour protection towards all applications, authorizations, and permits pursuant to Section 74.1204.

**No Co-Located Directional Emitters:**

No directional emitters are authorized to use the proposed tower.

### **Downward Radiation Study (FM Model):**

The proposed FM Facility has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields (OET Bulletin 65, Second Edition 97-01, August, 1997). The Commission's FM Model Power Density Prediction program was employed to determine the Field. Using the Shively 6810 Series antenna with 1 sections and 1 wavelength spacing, and the AGL height and ERP proposed in this application, the highest predicted power density 2 meters above ground is less than 15.65% of the Uncontrolled Standard with a Power Density of 31.3 microwatts per square centimeter 10.4 meters from the base of the tower.

Even though the site will fully comply with the Uncontrolled Site Standards, access to the transmitting site will be restricted and appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.

### **Existing Tower:**

The proposed facility is exempt from environmental processing because the facility is not located at a location specified in Section 1.1307(a)(1)-(8) of the Commission's Rules and since the tower in question already exists.

# **Exhibit 1**

## **Adjacent Channel Preclusion Study**

K268BH on Channel 268 (current channel)  
 Section 74.1204 Channel Overlap Tabulations  
 Average Protected F(50-50)= 6.87 km  
 Omni-directional

REFERENCE  
 36 45 30.0 N.  
 114 01 10.0 W.

CH# 268D - 101.5 MHz, Pwr= 0.22 kW, HAAT= -249.5 M, COR= 631 M

DISPLAY DATES  
 DATA 03-12-12  
 SEARCH 03-12-12

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DI ST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (in km)
268CO Leeds	KCLS	CP	NCX UT	78.0 258.3	48.16 BPH20091016AEO	36 50 49.0 113 29 28.0	40.000 620	162.5 1985	70.1 Canyon Medi a Group, LIc	-121.2*	-44.9*
268D Mesquite	K268BH	LIC	_C_ NV	0.0 0.0	0.00 BLFT20070907ADF	36 45 30.0 114 01 10.0	0.220 -250	23.0 631	6.9 Canyon Medi a Group, LIc	-29.9*	-29.9*
268D Shi wits	K268BT	LIC	DV_ UT	15.4 195.5	45.70 BLFT20110811ABG	37 09 19.0 113 52 57.0	0.010	4.2 2361	0.5 Patri cia J. Young	31.7	12.6
215A Mesquite	KAI Z	LIC	_CX NV	302.7 122.5	28.58 BLED20100915ABX	36 53 48.0 114 17 23.0	0.500 232	36.4 1138	33.1 Educati onal Medi a Foundati	10.0R	18.6M
268D Henderson	640249	APP	_C_ NV	226.9 46.3	121.49 BNPFT20030314BI R	36 00 29.0 115 00 20.0	0.250 324	81.3 1025	27.1 Lotus Broadcasting Corp.	33.3	71.4
270CO Las Vegas	KWID	LIC	_CX NV	225.7 45.1	128.67 BLH20120214ACK	35 56 44.0 115 02 31.0	47.000 579	11.0 1370	86.1 Texas Lotus Corp.	110.8	41.5
268D Las Vegas	650345	APP	_C_ NV	221.9 41.4	113.45 BNPFT20030317MED	35 59 46.0 114 51 44.0	0.010 490	52.9 1108	14.5 Southern Nevada Educati ona	53.7	76.0
269D Hurri cane	K269AF	LIC	_HN UT	54.1 234.5	80.78 BLFT259	37 10 54.0 113 16 53.0	0.250 -132	16.4 1061	11.4 Ccr-st. George Iv, LIc	57.6	59.6

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.  
 « = Station meets FCC minimum distance spacing for its class.

K268BH on Channel 271 (3 Channels Higher)  
 Section 74.1204 Channel Overlap Tabulations  
 CH# 271D - 102.1 MHz, Pwr= 0.22 kW, HAAT= -249.5 M, COR= 631 M  
 Average Protected F(50-50)= 6.87 km  
 Omni-directional

REFERENCE  
 36 45 30.0 N.  
 114 01 10.0 W.

DISPLAY DATES  
 DATA 03-12-12  
 SEARCH 03-12-12

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
272CO La Verkin	KCDC	CP UT	ZCX	15.4 195.5	45.67 BMPH20101124AGH	37 09 18.0 113 52 57.0	7.500 1080	114.7 2344	78.2 Cochise Broadcasting Lic	-78.9*	-46.1*
268CO Leeds	KCLS	CP UT	NCX	78.0 258.3	48.16 BPH20091016AEO	36 50 49.0 113 29 28.0	40.000 620	8.9 1985	70.1 Canyon Media Group, Lic	32.4	-23.0*
268D Mesquite	K268BH	LIC_C_ NV		0.0 0.0	0.00 BLFT20070907ADF	36 45 30.0 114 01 10.0	0.220 -250	1.0 631	6.9 Canyon Media Group, Lic	-7.9*	-7.9*
273D Mesquite	K273EZ	LIC_C_ NV		0.0 0.0	0.00 BLFT20070723ABL	36 45 30.0 114 01 10.0	0.218 -249	1.0 632	6.9 Rockwell Media Foundation	-7.9*	-7.9*
270CO Las Vegas	KWID	LIC_CX NV		225.7 45.1	128.67 BLH20120214ACK	35 56 44.0 115 02 31.0	47.000 579	126.9 1370	86.1 Texas Lotus Corp.	-5.1	32.7
274C Boulder City	KCYE	LIC_C_ NV		225.7 45.1	128.68 BLH20010709ABU	35 56 46.0 115 02 34.0	99.000 603	14.5 1390	94.5 Kjul License, Lic	107.3	33.1
268D Shivwits	K268BT	LIC_DV_ UT		15.4 195.5	45.70 BLFT20110811ABG	37 09 19.0 113 52 57.0	0.010	0.0 2361	0.5 Patricia J. Young	35.9	44.2
272D St. George	K272AQ	LIC_HN UT		49.4 229.6	52.30 BLFT19790625IB	37 03 49.0 113 34 20.0	0.014 38	9.2 956	6.5 Ccr-st. George Iv, Lic	36.2	35.9
217C3 Santa Clara	KXDS	LIC_DC_ UT		78.0 258.3	48.16 BLED20100727AFC	36 50 49.0 113 29 28.0	0.380 565	23.1 1930	22.0 Dixie State College Of Uta	12.0R	36.2M
270L1 St. George	KTIM-LP	LIC_ UT		42.3 222.5	55.81 BLL20060922AEC	37 07 45.0 113 35 46.0	0.100	8.0 934	5.6 Wastecon Environmental, In	41.0	40.3

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.  
 « = Station meets FCC minimum distance spacing for its class.

K268BH on Channel 270 (2 Channels Higher)  
 Section 74.1204 Channel Overlap Tabulations  
 CH# 270D - 101.9 MHz, Pwr= 0.22 kW, HAAT= -249.5 M, COR= 631 M  
 Average Protected F(50-50)= 6.87 km  
 Omni-directional

DISPLAY DATES  
 DATA 03-12-12  
 SEARCH 03-12-12

REFERENCE  
 36 45 30.0 N.  
 114 01 10.0 W.

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
270CO Las Vegas	KWID	LIC_CX NV		225.7 45.1	128.67 BLH20120214ACK	35 56 44.0 115 02 31.0	47.000 579	183.7 1370	86.1 Texas Lotus Corp.	-61.8*	19.6
272CO La Verkin	KCDC	CP_ZCX UT		15.4 195.5	45.67 BMPH20101124AGH	37 09 18.0 113 52 57.0	7.500 1080	5.6 2344	78.2 Cochise Broadcasting Lic	30.2	-33.5*
268CO Leeds	KCLS	CP_NCX UT		78.0 258.3	48.16 BPH20091016AEO	36 50 49.0 113 29 28.0	40.000 620	8.9 1985	70.1 Canyon Media Group, Lic	32.4	-23.0*
268D Mesquite	K268BH	LIC_C_ NV		0.0 0.0	0.00 BLFT20070907ADF	36 45 30.0 114 01 10.0	0.220 -250	1.0 631	6.9 Canyon Media Group, Lic	-7.9*	-7.9*
273D Mesquite	K273EZ	LIC_C_ NV		0.0 0.0	0.00 BLFT20070723ABL	36 45 30.0 114 01 10.0	0.218 -249	1.0 632	6.9 Rockwell Media Foundation	-7.9*	-7.9*
270L1 St. George	KTIM-LP	LIC_ UT		42.3 222.5	55.81 BLL20060922AEC	37 07 45.0 113 35 46.0	0.100	18.6 934	5.6 Wastecon Environmental, In	30.4	27.2
268D Shiwits	K268BT	LIC_DV_ UT		15.4 195.5	45.70 BLFT20110811ABG	37 09 19.0 113 52 57.0	0.010	0.0 2361	0.5 Patricia J. Young	35.9	44.2
217C3 Santa Clara	KXDS	LIC_DC_ UT		78.0 258.3	48.16 BLED20100727AFC	36 50 49.0 113 29 28.0	0.380 565	23.1 1930	22.0 Dixie State College Of Uta	12.0R	36.2M
272D St. George	K272AQ	LIC_HN UT		49.4 229.6	52.30 BLFT19790625IB	37 03 49.0 113 34 20.0	0.014 38	0.3 956	6.5 Ccr-st. George Iv, Lic	45.2	44.7
269D Hurricane	K269AF	LIC_HN UT		54.1 234.5	80.78 BLFT259	37 10 54.0 113 16 53.0	0.250 -132	16.4 1061	11.4 Ccr-st. George Iv, Lic	57.6	59.6

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.  
 « = Station meets FCC minimum distance spacing for its class.

K268BH on Channel 269 (1 Channel Higher)  
 Section 74.1204 Channel Overlap Tabulations  
 CH# 269D - 101.7 MHz, Pwr= 0.22 kW, HAAT= -249.5 M, COR= 631 M  
 Average Protected F(50-50)= 6.87 km  
 Omni-directional

DISPLAY DATES  
 DATA 03-12-12  
 SEARCH 03-12-12

REFERENCE  
 36 45 30.0 N.  
 114 01 10.0 W.

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
268C0 Leeds	KCLS	CP	NCX UT	78.0 258.3	48.16 BPH20091016AEO	36 50 49.0 113 29 28.0	40.000 620	103.0 1985	70.1 Canyon Media Group, LIC	-61.7*	-31.8*
272C0 La Verkin	KCDC	CP	ZCX UT	15.4 195.5	45.67 BMPH20101124AGH	37 09 18.0 113 52 57.0	7.500 1080	5.6 2344	78.2 Cochise Broadcasting LIC	30.2	-33.5*
268D Mesquite	K268BH	LIC	_C_ NV	0.0 0.0	0.00 BLFT20070907ADF	36 45 30.0 114 01 10.0	0.220 -250	9.8 631	6.9 Canyon Media Group, LIC	-16.7*	-16.7*
270C0 Las Vegas	KWID	LIC	_CX NV	225.7 45.1	128.67 BLH20120214ACK	35 56 44.0 115 02 31.0	47.000 579	126.9 1370	86.1 Texas Lotus Corp.	-5.1	32.7
269C2 Pi oche	KCLS	LIC	_CX NV	338.8 158.5	135.57 BLH20090811AAK	37 53 44.0 114 34 41.0	0.200 1025	107.3 2862	41.1 Canyon Media Group, LIC	18.4	61.5
215A Mesquite	KAI Z	LIC	_CX NV	302.7 122.5	28.58 BLED20100915ABX	36 53 48.0 114 17 23.0	0.500 232	36.4 1138	33.1 Educational Media Foundati	10.0R	18.6M
268D Shi vwi ts	K268BT	LIC	DV_ UT	15.4 195.5	45.70 BLFT20110811ABG	37 09 19.0 113 52 57.0	0.010	0.9 2361	0.5 Patricia J. Young	35.0	31.6
269D Hurri cane	K269AF	LIC	_HN UT	54.1 234.5	80.78 BLFT259	37 10 54.0 113 16 53.0	0.250 -132	38.8 1061	11.4 Ccr-st. George Iv, LIC	35.1	46.4
270L1 St. George	KTIM-LP	LIC	____ UT	42.3 222.5	55.81 BLL20060922AEC	37 07 45.0 113 35 46.0	0.100	8.0 934	5.6 Wastecon Environmental, In	41.0	40.3
272D St. George	K272AQ	LIC	_HN UT	49.4 229.6	52.30 BLFT19790625IB	37 03 49.0 113 34 20.0	0.014 38	0.3 956	6.5 Ccr-st. George Iv, LIC	45.2	44.7

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beam tilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.  
 « = Station meets FCC minimum distance spacing for its class.

K268BH on Channel 267 (1 Channel Lower)  
 Section 74.1204 Channel Overlap Tabulations  
 CH# 267D - 101.3 MHz, Pwr= 0.22 kW, HAAT= -249.5 M, COR= 631 M  
 Average Protected F(50-50)= 6.87 km  
 Omni-directional

REFERENCE  
 36 45 30.0 N.  
 114 01 10.0 W.

DISPLAY DATES  
 DATA 03-12-12  
 SEARCH 03-12-12

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
268CO Leeds	KCLS	CP NCX UT		78.0 258.3	48.16 BPH20091016AEO	36 50 49.0 113 29 28.0	40.000 620	103.0 1985	70.1 Canyon Media Group, LIC	-61.7*	-31.8*
268D Mesquite	K268BH	LIC_C_ NV		0.0 0.0	0.00 BLFT20070907ADF	36 45 30.0 114 01 10.0	0.220 -250	9.8 631	6.9 Canyon Media Group, LIC	-16.7*	-16.7*
264D Ivins	633405	APP_C_ UT		15.4 195.5	45.70 BNPFT20030314BYZ	37 09 19.0 113 52 57.0	0.010 1002	0.2 2272	17.0 Brigham Young University	35.7	27.6
268D Shivwits	K268BT	LIC_DV_ UT		15.4 195.5	45.70 BLFT20110811ABG	37 09 19.0 113 52 57.0	0.010	0.9 2361	0.5 Patricia J. Young	35.0	31.6
266L1 St. George	KOEZ-LP	APP_ UT		49.3 229.6	52.21 BPL20120202AAA	37 03 49.0 113 34 25.0	0.100 30	13.7 941	9.8 Latinos Unidos Broadcastin	31.7	32.6
266C Indian Springs	R10990	ADD_ NV		265.7 84.5	175.14	36 37 24.0 115 58 19.0	100.000 600	131.8 1809	88.2 Sanpete County Broad'g Co.	32.3	71.3
264C Enoch	R10990	ADD_ UT		37.6 218.2	141.01	37 45 32.0 113 02 23.0	100.000 600	16.6 2526	100.6 Sanpete County Broad'g Co.	117.6	39.3
266C Amargosa Valley	KPKK	CP_ZHX NV		266.2 85.0	170.41 BPH20090427ABY	36 38 26.0 115 55 15.0	100.000 588	118.0 1797	79.8 Sky Media, L. I. c.	41.3	74.6
270CO Las Vegas	KWID	LIC_CX NV		225.7 45.1	128.67 BLH20120214ACK	35 56 44.0 115 02 31.0	47.000 579	11.0 1370	86.1 Texas Lotus Corp.	110.8	41.5

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C, H, V, E), Beam tilt (Y, N, X)  
 "\*" affixed to 'IN' or 'OUT' values = site inside protected contour.

K268BH on Channel 266 (2 Channels Lower)  
 Section 74.1204 Channel Overlap Tabulations  
 CH# 266D - 101.1 MHz, Pwr= 0.22 kW, HAAT= -249.5 M, COR= 631 M  
 Average Protected F(50-50)= 6.87 km  
 Omni-directional

REFERENCE  
 36 45 30.0 N.  
 114 01 10.0 W.

DISPLAY DATES  
 DATA 03-12-12  
 SEARCH 03-12-12

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
266C Indian Springs	R10990	ADD NV		265.7 84.5	175.14	36 37 24.0 115 58 19.0	100.000 600	192.5 1809	88.2 Sanpete County Broad'g Co.	-28.3*	49.6
268C0 Leeds	KCLS	CP NCX UT		78.0 258.3	48.16 BPH20091016AEO	36 50 49.0 113 29 28.0	40.000 620	8.9 1985	70.1 Canyon Media Group, Lic	32.4	-23.0*
266C Amargosa Valley	KPKK	CP ZHX NV		266.2 85.0	170.41 BPH20090427ABY	36 38 26.0 115 55 15.0	100.000 588	174.9 1797	79.8 Sky Media, L. I. c.	-15.7*	52.6
268D Mesquite	K268BH	LIC NV	CX	0.0 0.0	0.00 BLFT20070907ADF	36 45 30.0 114 01 10.0	0.220 -250	1.0 631	6.9 Canyon Media Group, Lic	-7.9*	-7.9*
266L1 St. George	KOEZ-LP	APP UT		49.3 229.6	52.21 BPL20120202AAA	37 03 49.0 113 34 25.0	0.100 30	32.8 941	9.8 Latinos Unidos Broadcastin	12.5	19.4
264D Ivi ns	633405	APP UT	CX	15.4 195.5	45.70 BNPFT20030314BYZ	37 09 19.0 113 52 57.0	0.010 1002	0.2 2272	17.0 Brigham Young University	35.7	27.6
212C2 St. George	KSGU	LIC UT	CX	78.0 258.3	48.16 BLED20051107AED	36 50 49.0 113 29 28.0	2.000 555	42.5 1921	38.4 Nevada Public Radio	15.0R	33.2M
263C Henderson	KXNT-FM	LIC NV	CX	226.9 46.3	121.46 BMLH20070406ABM	36 00 30.0 115 00 20.0	100.000 357	12.3 1047	84.5 Cbs Radio Stations Inc.	102.3	35.9
268D Shivwi ts	K268BT	LIC UT	DV	15.4 195.5	45.70 BLFT20110811ABG	37 09 19.0 113 52 57.0	0.010	0.0 2361	0.5 Patricia J. Young	35.9	44.2
264C Enoch	R10990	ADD UT		37.6 218.2	141.01	37 45 32.0 113 02 23.0	100.000 600	16.6 2526	100.6 Sanpete County Broad'g Co.	117.6	39.3
263D St. George	K215CF	APP UT	CX	49.4 229.6	52.30 BMJPFT20030310BJL	37 03 49.0 113 34 20.0	0.092 54	0.7 969	11.0 Utah State University Of A	44.8	40.3
266D Boulder City	632223	APP NV	CX	222.0 41.5	113.62 BNPFT20030312ARJ	35 59 43.9 114 51 51.3	0.010 459	51.7 1081	14.1 Advance Ministries, Inc. D	55.1	76.5

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.  
 « = Station meets FCC minimum distance spacing for its class.

K268BH on Channel 266 (3 Channels Lower)  
 Section 74.1204 Channel Overlap Tabulations  
 CH# 265D - 100.9 MHz, Pwr= 0.22 kW, HAAT= -249.5 M, COR= 631 M  
 Average Protected F(50-50)= 6.87 km  
 Omni-directional

REFERENCE  
 36 45 30.0 N.  
 114 01 10.0 W.

DISPLAY DATES  
 DATA 03-12-12  
 SEARCH 03-12-12

CH CITY	CALL	TYPE STATE	ANT AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT (M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
268C0 Leeds	KCLS	CP_NCX UT	78.0 258.3	48.16 BPH20091016AEO	36 50 49.0 113 29 28.0	40.000 620	8.9 1985	70.1 Canyon Media Group, Lic	32.4	-23.0*
264C Enoch	R10990	ADD____ UT	37.6 218.2	141.01	37 45 32.0 113 02 23.0	100.000 600	146.9 2526	100.6 Sanpete County Broad'g Co.	-12.8*	30.5
268D Mesquite	K268BH	LIC_C_ NV	0.0 0.0	0.00 BLFT20070907ADF	36 45 30.0 114 01 10.0	0.220 -250	1.0 631	6.9 Canyon Media Group, Lic	-7.9*	-7.9*
264D Ivins	633405	APP_C_ UT	15.4 195.5	45.70 BNPFT20030314BYZ	37 09 19.0 113 52 57.0	0.010 1002	28.5 2272	17.0 Brigham Young University	7.4	15.0
266L1 St. George	KOEZ-LP	APP____ UT	49.3 229.6	52.21 BPL20120202AAA	37 03 49.0 113 34 25.0	0.100 30	13.7 941	9.8 Latinos Unidos Broadcastin	31.7	32.6
266C Indian Springs	R10990	ADD____ NV	265.7 84.5	175.14	36 37 24.0 115 58 19.0	100.000 600	131.8 1809	88.2 Sanpete County Broad'g Co.	32.3	71.3
212C2 St. George	KSGU	LIC_CX UT	78.0 258.3	48.16 BLED20051107AED	36 50 49.0 113 29 28.0	2.000 555	42.5 1921	38.4 Nevada Public Radio	15.0R	33.2M
263C Henderson	KXNT-FM	LIC_CX NV	226.9 46.3	121.46 BMLH20070406ABM	36 00 30.0 115 00 20.0	100.000 357	12.3 1047	84.5 Cbs Radio Stations Inc.	102.3	35.9
268D Shivwits	K268BT	LIC_DV_ UT	15.4 195.5	45.70 BLFT20110811ABG	37 09 19.0 113 52 57.0	0.010	0.0 2361	0.5 Patricia J. Young	35.9	44.2
263D St. George	K215CF	APP_C_ UT	49.4 229.6	52.30 BMJPFT20030310BJL	37 03 49.0 113 34 20.0	0.092 54	0.7 969	11.0 Utah State University Of A	44.8	40.3
266C Amargosa Valley	KPKK	CP_ZHX NV	266.2 85.0	170.41 BPH20090427ABY	36 38 26.0 115 55 15.0	100.000 588	118.0 1797	79.8 Sky Media, L. I. c.	41.3	74.6
265D Moapa	631791	APP_V_ NV	233.9 53.3	108.63 BNPFT20030310BIT	36 10 44.0 114 59 47.0	0.010 659	50.1 1243	13.6 Calvary Chapel Of Twin Fal	51.7	72.0

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.  
 « = Station meets FCC minimum distance spacing for its class.

# **Exhibit 3**

## **Section 74.1204 Interference Tabulations**

K268BH on Displacement Channel 294  
 Section 74.1204 Contour Overlap Tabulations  
 CH# 294D - 106.7 MHz, Pwr= 0.22 kW, HAAT= -249.5 M, COR= 631 M  
 Average Protected F(50-50)= 6.87 km  
 Omni-directional

REFERENCE  
 36 45 30.0 N.  
 114 01 10.0 W.

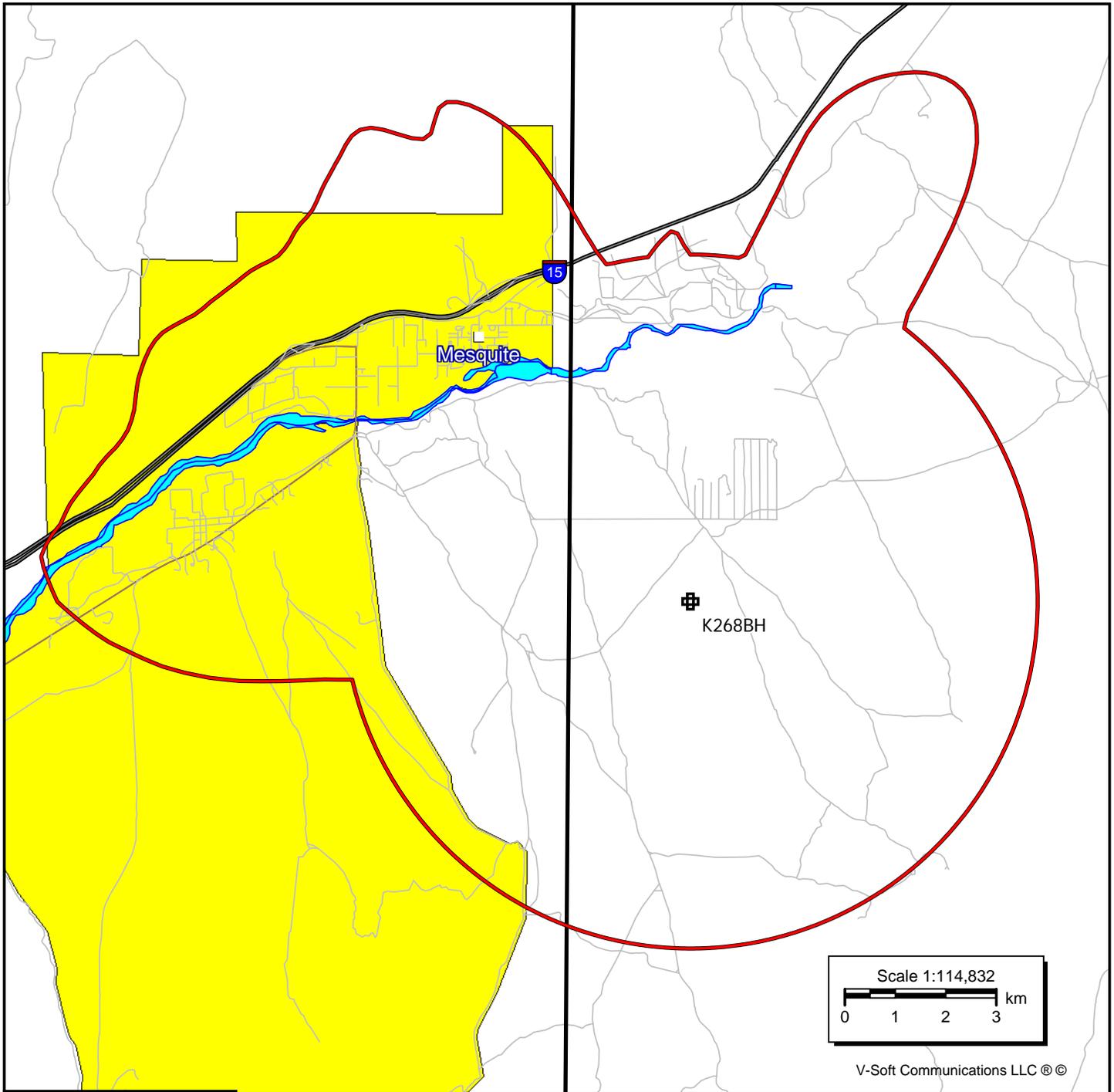
DISPLAY DATES  
 DATA 03-12-12  
 SEARCH 03-12-12

CH CITY	CALL	TYPE STATE	ANT <--	AZI FILE #	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
293C Las Vegas	KSNE-FM	LIC_CX NV	226.9 46.3	121.46 BMLH20110126ABC	36 00 30.0 115 00 20.0	100.000 352	125.9 1048	84.6	-11.2*	27.0	Citicasters Licenses, Inc.
297C2 St. George	KSNN	RSV-A UT	45.1 225.4	54.61	37 06 15.0 113 35 00.0	50.000 150	7.5 1106	60.7	40.3	-7.1*	Ccr-st. George Iv, Lic
291C2 St. George	KSNN	LIC_CX UT	78.0 258.3	48.16 BMLH20060918AHN	36 50 49.0 113 29 28.0	2.000 577	2.8 1939	39.4	38.5	7.7	Ccr-st. George Iv, Lic
297C2 St. George	KSNN	APP_CX UT	78.0 258.3	48.16 BPH20110822AED	36 50 49.0 113 29 28.0	2.000 568	2.8 1933	39.1	38.5	8.0	Ccr-st. George Iv, Lic
291C1 Colorado Ci ty	KXFF	RSV-A AZ	63.0 243.5	83.19	37 05 41.0 113 11 06.0	100.000 299	10.0 1680	71.8	66.3	10.4	Ccr-st. George Iv, Lic
297C1 Colorado Ci ty	KXFF	LIC_CX AZ	63.0 243.5	83.19 BLH20030313AXW	37 05 41.0 113 11 06.0	35.000 347	8.0 1728	64.8	68.4	17.4	Ccr-st. George Iv, Lic
291C1 Colorado Ci ty	KXFF	APP_CX AZ	63.0 243.5	83.19 BPH20110822AEI	37 05 41.0 113 11 06.0	35.000 347	8.0 1728	64.8	68.4	17.4	Ccr-st. George Iv, Lic
240C St. George	KZHK«	LIC_NCX UT	78.0 258.3	48.16 BLH20100709AHC	36 50 49.0 113 29 28.0	100.000 595	93.1 1960	77.8	28.5R	19.7M	Marvin Kent Frandsen
295C1 Overton	KVGQ	LIC_DH_ NV	296.0 115.7	53.11 BLH20110315AAG	36 57 59.2 114 33 21.2	100.000 289	21.3 1384	14.3	20.4	22.2	Kemp Communi cations, Inc.
295D Apex	KVGQ-FM1	LIC_DC_ NV	241.3 60.7	97.61 BLFTB20110628ABI	36 20 01.0 114 58 27.0	20.000	65.0 1061	43.8	25.8	44.0	Kemp Communi cations, Inc.
293C1 Fredonia	R11560	ADD AZ	84.6 265.7	163.42	36 53 00.0 112 11 40.0	100.000 299	127.4 2210	85.5	29.1	68.0	Sanpete County Broad'g Co.
293C1 Fredonia	R11561	ADD AZ	84.6 265.7	163.42	36 53 00.0 112 11 40.0	100.000 299	127.4 2210	85.5	29.1	68.0	Smoke & Mirrors, Lic Et. A
293D Enterpri se	K293AF	LIC_VN UT	21.0 201.2	89.80 BLFT19950918TL	37 30 46.0 113 39 14.0	0.010 10	19.9 2207	12.9	59.0	61.5	Enterpri se Ci ty

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference zone= , Co to 3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*"affixed to 'IN' or 'OUT' values = site inside protected contour.  
 « = Station meets FCC minimum distance spacing for its class.

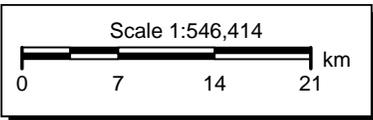
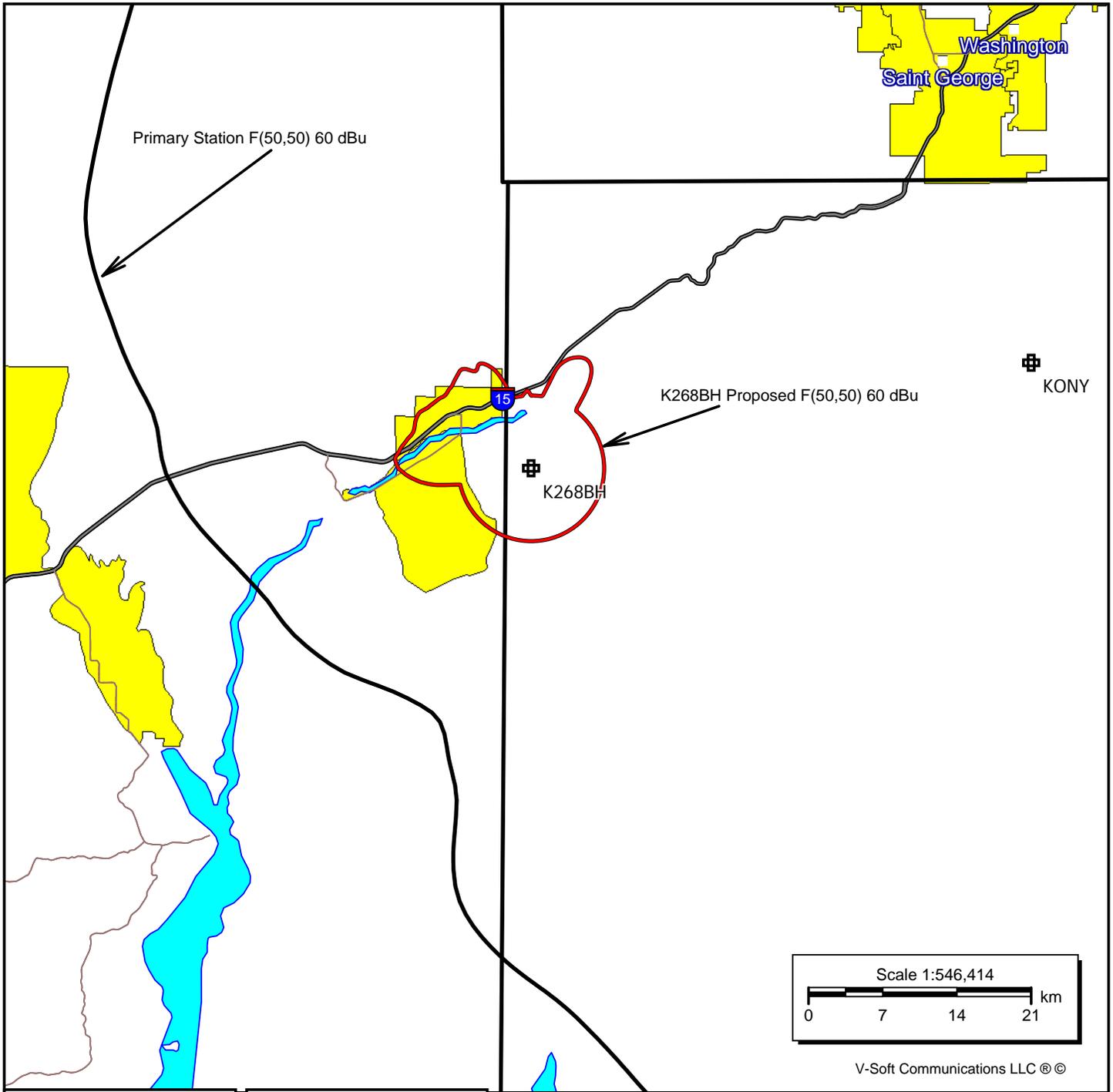
# **Exhibit 4**

## **Contour Map**



**K268BH**  
(Proposed)  
Channel: 294D  
Frequency: 106.7 MHz  
Latitude: 36-45-30 N  
Longitude: 114-01-10 W  
COR AGL Height: 12.0 m  
COR AMSL Height: 636.0 m  
Base Elevation: 624.0 m  
COR HAAT: -245.22 m  
ERP: 0.22 kW  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

V-Soft Communications LLC © ©



V-Soft Communications LLC ©©

**K268BH**  
 (Proposed)  
 Channel: 294D  
 Frequency: 106.7 MHz  
 Latitude: 36-45-30 N  
 Longitude: 114-01-10 W  
 COR AGL Height: 12.0 m  
 COR AMSL Height: 636.0 m  
 Base Elevation: 624.0 m  
 COR HAAT: -245.22 m  
 ERP: 0.22 kW  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Prop Model: None

**KONY**  
 BMLH20020215ABJ  
 Channel: 260C  
 Frequency: 99.9 MHz  
 Latitude: 36-50-49 N  
 Longitude: 113-29-28 W  
 COR AGL Height: 95.0 m  
 COR AMSL Height: 1991.0 m  
 Base Elevation: 1896.0 m  
 COR HAAT: 626.0 m  
 ERP: 90.00 kW  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Prop Model: None