



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF A REQUEST FOR
SPECIAL TEMPORARY AUTHORIZATION
TO OPERATE AN EXPERIMENTAL DIGITAL TELEVISION
FACILITY TO EVALUATE AND DEMONSTRATE THE
NEW ATSC 3.0 TELEVISION STANDARD
IN THE LAS VEGAS DESIGNATED MARKET AREA
THE PROPOSED FACILITY IS TO OPERATE ON
CHANNELS 25 AND 45 USING UP TO
1000.0 kW AT UP TO 382.9 meters HAAT**

Prepared for: KUPN LICENSEE, LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, License No. 7418, and in the State of New York, License No. 63418.

GENERAL

This office has been authorized by KUPN LICENSEE, LLC, licensee of DTV station KSNV, channel 22, Las Vegas, Nevada, to prepare this statement, and the associated exhibits, in support of a request for STA to operate an experimental DTV facility for the purpose of testing, evaluation and demonstration of the new ATSC 3.0 Television Broadcast Standard. It is herein proposed to utilize the existing broadband Dielectric Model TUA-C4-12/48-1-R-T horizontally polarized antenna that is licensed for use by KSNV, channel 22, and KVCW, channel 29. The normal operation of the licensed KSNV and KVCW facilities will not be affected in any instance. It is proposed to multiplex the channel 25 and/or channel 45 DTV signals into the existing antenna.

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The instant request proposes an ERP up to a maximum of 1000 kW, the same power level that is licensed for KSNV and KVCW, however the actual experimental ERP will be adjusted to various levels below the proposed maximum as a part of the experimental process. There might be instances where other antennas at other locations within the Las Vegas Designated Market Area (DMA) would be used to simulate a Distributed Transmission System (DTS) for ATSC 3.0 signals at substantially lower power levels.

ALLOCATION CONSIDERATIONS

Two allocation studies, for channels 25 and 45, were performed using *tvstudy*, the Commission's application processing and interference analysis software, version 2.2.4., the results of which are shown in Appendices A. Of the potentially affected full power, Class A LPTV, translators and LPTV stations listed in the two studies, none is predicted to receive new interference in excess of the 0.5% for full power and Class A LPTV stations or 2.0% new interference, permitted in Section 73.616 of the Commission's Rules.

BLANKETING AND INTERMODULATION INTERFERENCE

Other broadcast and non-broadcast technical facilities will be co-located with, or are located within 10 km of the proposed channels 25 and 45 experimental operation site. The applicant recognizes its responsibility to remedy complaints of interference which might result from this proposal in accordance with applicable Rules.

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RADIO FREQUENCY IMPACT

The proposed facility has been evaluated in regard to the FCC guidelines on human exposure to non-ionizing radiation. The calculated levels of RF exposure in the area below the tower is less than 10% of the allowable limit for a controlled environment and less than 45% of the allowable limit for an uncontrolled environment. The Black Mountain antenna farm is a controlled access site. Access to the transmitting tower site and any RF transmitting equipment is restricted and clearly marked with warning signs. When workers or other authorized personnel enter the restricted area appropriate measures are taken to assure worker safety. If and/or when a simulated DTS is implemented all care will be taken to comply with RF safety guidelines at each DTS site.

OCCUPATIONAL SAFETY

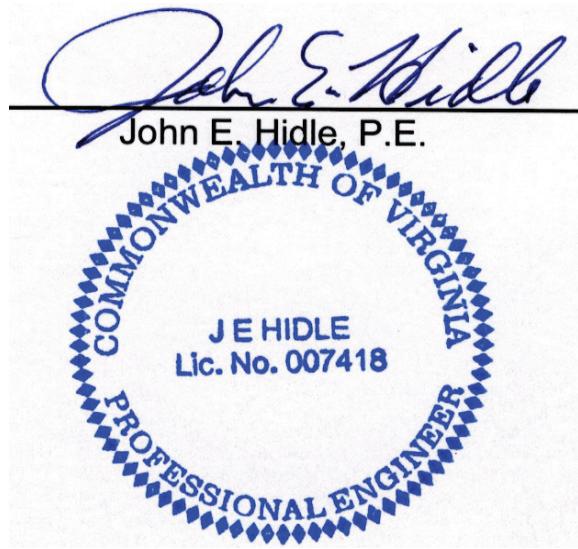
In accordance with its obligations as an occupant of the Black Mountain site the applicant is committed to the protection of station personnel and/or tower contractors working on the tower support structure, or in the vicinity of the proposed experimental operation, by reducing power and/or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure the proper protection of persons who might be required to perform their assigned tasks in this controlled environment. Additionally, any implementation of an experimental DTS will carefully adhere to the RF safety guidelines for both occupational and public exposure.

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SUMMARY

The proposed experimental DTV operation will contribute to the television industry body of knowledge, especially the features of the new ATSC 3.0 Television Standard which are intended to improve television transmission by orders of magnitude. It is submitted that the instant application for an experimental STA, as described herein, complies with the pertinent Rules, Regulations, and Policies of the Federal Communications Commission. This statement and the attached exhibits were prepared by me, or under my direct supervision, and are believed to be true and correct to the best of my knowledge and belief.

Dated: February 8, 2018





KSNV - K25STA - LAS VEGAS, NEVADA

Appendix A - Longley-Rice Interference Analysis

FEBRUARY, 2018

tvstudy v2.2.4 (Z2Qqz3)
 Database: localhost, Study: CH25STA 1MW C4120 180205, Model: Longley-Rice
 Start: 2018.02.07 15:50:16

Study created: 2018.02.07 15:50:16

Study build station data: LMS TV 2018-02-06 (31)

Proposal: K25STA D25 DT STA LAS VEGAS, NV
 File number: CH25STA 1MW C4120 180205
 Facility ID: 10179
 Station data: User record
 Record ID: 125
 Country: U.S.
 Zone: II

Build options:
 Protect pre-transition records not on baseline channel

Search options:
 Non-U.S. records included
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K22DR	N22	TX	LIC	LAUGHLIN, NV	BLTT19911118JJ	87.6 km
No	K24DK-D	D24	LD	LIC	BULLHEAD CITY, AZ	BLDTT20110328ABJ	122.4
Yes	KEGS-LD	D24	LD	LIC	LAS VEGAS, NV	BLDTL20100104ABL	7.6
No	K24BY-D	D24	LD	LIC	PAHRUMP, NV	BLDTT20120502ABQ	89.9
Yes	K25HD-D	D25	LD	LIC	BULLHEAD CITY, AZ	BLDTA20111128FZD	87.9
No	K25MK-D	N25	TX	LIC	CAMP VERDE, AZ	BLTT20120316AAL	331.9
No	K25MK-D	D25	LD	CP	CAMP VERDE, AZ	BDFCDTT20110914ABR	331.9
No	K25MG-D	D25	LD	LIC	FLAGSTAFF, AZ	BLDTT20111101AAX	319.7
Yes	NEW	D25	LD	APP	KINGMAN, AZ	BMJADTL20100524AGW	125.1
No	K25AL	N25	TX	LIC	LAKE HAVASU CITY, AZ	BLTTL19850927IA	179.4
No	K25DH-D	D25	LD	LIC	MEADVIEW, AZ	BLDTT20130308ABY	83.5
No	KJPO-LD	D25	LD	APP	PARKER, AZ	BLANK0000029870	325.2
No	K39IT-D	D25	LD	APP	PRESCOTT, AZ	BLANK0000034029	280.6
No	KDFQ-LP	D25z	LD	APP	PRESCOTT, AZ	BLANK0000035964	300.4
No	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK000007394	342.7
Yes	KVEA	D25	DT	CP	CORONA, CA	BLANK0000034770	341.3
No	NEW	D25	LD	APP	DESERT CENTER, CA	BNPDTL20100514ACT	259.3
No	K25GK	N25+	TX	LIC	JOSHUA TREE, CA	BLTT20000605AOK	231.1
No	KBLLM-LP	D25	LD	CP	RIVERSIDE AND PERRIS, CA	BLANK0000005087	342.4
No	KBLLM-LP	N25+	TX	LIC	RIVERSIDE AND PERRIS, CA	BLTTL20081209ABP	307.5
No	KBNT-CD	D25	DC	LIC	SAN DIEGO, CA	BLDTA20121203AYP	407.8
No	K25AD	N25	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IE	258.6
No	K25LU-D	D25	LD	LIC	MESQUITE, NV	BLDTT20101228ABT	124.8
No	K25KR-D	D25	LD	LIC	ROUND MOUNTAIN, NV	BLDTT20120515ABI	341.4
No	K25KN-D	D25	LD	LIC	ALTON, UT	BLDTT20101122AAI	267.5
No	K25GY-D	D25	LD	LIC	BERYL, MODENA, NEW C, UT	BLDTT20110729AKN	219.6
No	K25LS-D	D25	LD	LIC	CIRCLEVILLE, UT	BLDTT20110823ACQ	347.0
No	K25LP-D	D25	LD	LIC	ESCALANTE, UT	BLDTT20120827AAK	362.1
No	K25KW-D	D25	LD	LIC	HATCH, UT	BLDTT20100524AAT	298.9
No	K25JS-D	D25	LD	LIC	ST. GEORGE, UT	BLDTT20070330AUU	173.7
No	K25NL-D	D25	LD	LIC	TROPIC, UT	BLDTT20120827AAI	322.1
No	K26GF-D	D26	LD	LIC	PEACH SPRINGS, AZ	BLDTT20130308ACF	151.4
Yes	KGNG-LD	D26	LD	CP	LAS VEGAS, NV	BDISDTL20120514AET	7.6
No	XHEXT	D25	DT	LIC	MEXICALI, BN	BLANKBPFS20050721BFG	379.9

**Appendix A - Interference Analysis
KSNV - K25STA - Las Vegas, Nevada
Channel 25 - 1000 kW - Page 2**

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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Channel: D25
Latitude: 36 0 27.30 N (NAD83)
Longitude: 115 0 26.90 W
Height AMSL: 1078.6 m
    HAAT: 382.9 m
Peak ERP: 1000 kW
Antenna: DIE-TUA-C4-12/48-1-R-T 0.0 deg
Elev Pattrn: Generic
Elec Tilt: 0.80

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39.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	941 kW	548.0 m	119.5 km
45.0	507	515.6	111.7
90.0	951	305.2	99.4
135.0	227	382.1	94.1
180.0	300	298.3	88.0
225.0	442	167.6	77.4
270.0	924	386.6	106.8
315.0	521	488.2	109.9

Database HAAT does not agree with computed HAAT
Database HAAT: 383 m Computed HAAT: 386 m

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 928 kW

Distance to Canadian border: 1444.1 km

Distance to Mexican border: 366.5 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 289.7 degrees Distance: 629.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 58.9 degrees Distance: 967.4 km

Study cell size: 2.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLDTL20100104ABL LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KEGS-LD	D24	LD	LIC	LAS VEGAS, NV	BLDTL20100104ABL	
Undesireds:	K25STA	D25	DT	STA	LAS VEGAS, NV	CH25STA 1MW C4120 1802	7.6 km
	KLVD-LD	D23	LD	LIC	LAS VEGAS, NV	BLDTL20110728ADN	7.9
	K24DK-D	D24	LD	LIC	BULLHEAD CITY, AZ	BLDTT20110328ABJ	118.1
	KPXN-TV	D24	DT	APP	SAN BERNARDINO, CA	BLANK0000034900	334.9
	K24BY-D	D24	LD	LIC	PAHRUMP, NV	BLDTT20120502ABQ	88.8
	K24CY	D24	LD	CP	ST. GEORGE, UT	BDFCDTT20130220AAQ	180.8
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
8223.0	1,911,057		5832.4	1,891,622	5680.2	1,875,050	5564.0 1,875,050 2.05 0.00

Appendix A - Interference Analysis
KSNV - K25STA - Las Vegas, Nevada
Channel 25 - 1000 kW - Page 3

Undesired		Total IX	Unique IX, before	Unique IX, after
K25STA D25 DT STA	236.3	16,572		116.2 0
KLVD-LD D23 LD LIC	128.2	16,572	128.2 16,572	20.0 0
K24DK-D D24 LD LIC	20.0	0	16.0 0	4.0 0
K24BY-D D24 LD LIC	8.0	0	4.0 0	4.0 0

Interference to BLDTA20111128FZD LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K25HD-D	D25	LD	LIC	BULLHEAD CITY, AZ	BLDTA20111128FZD	
Undesireds:	K25STA	D25	DT	STA	LAS VEGAS, NV	CH25STA 1MW C4120 1802	87.9 km
	K25MK-D	N25	TX	LIC	CAMP VERDE, AZ	BLTT20120316AAL	275.6
	NEW	D25	LD	APP	KINGMAN, AZ	BMJADTL20100524AGW	62.8
	K25AL	N25	TX	LIC	LAKE HAVASU CITY, AZ	BLTTL19850927IA	92.0
	K25GK	N25+	TX	LIC	JOSHUA TREE, CA	BLTT20000605AOK	170.8
	KBLM-LP	D25	LD	CP	RIVERSIDE AND PERRIS, CA	BLANK0000005087	309.0
Service area	2507.6	69,021	2184.8	56,701	IX-free, before 2136.8 56,701	IX-free, after 1996.4 56,699	Percent New IX 6.57 0.00
Undesired					Total IX	Unique IX, before	Unique IX, after
K25STA D25 DT STA		168.4		2		140.5 2	
NEW D25 LD APP		31.9		0	31.9 0	8.0 0	
K25AL N25 TX LIC		12.0		0	12.0 0	7.9 0	
K25GK N25+ TX LIC		4.0		0	4.0 0	4.0 0	

Interference to BMJADTL20100524AGW APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	NEW	D25	LD	APP	KINGMAN, AZ	BMJADTL20100524AGW	
Undesireds:	K25STA	D25	DT	STA	LAS VEGAS, NV	CH25STA 1MW C4120 1802	125.1 km
	K25HD-D	D25	LD	LIC	BULLHEAD CITY, AZ	BLDTA20111128FZD	62.8
	K25MK-D	N25	TX	LIC	CAMP VERDE, AZ	BLTT20120316AAL	214.5
	K39IT-D	D25	LD	APP	PREScott, AZ	BLANK0000034029	158.9
Service area	6048.5	126,563	3461.9	64,947	IX-free, before 3434.2 64,947	IX-free, after 3397.8 64,942	Percent New IX 1.06 0.01
Undesired					Total IX	Unique IX, before	Unique IX, after
K25STA D25 DT STA		44.2		5		36.3 5	
K25HD-D D25 LD LIC		23.7		0	23.7 0	15.8 0	
K39IT-D D25 LD APP		4.0		0	4.0 0	4.0 0	

Interference to BLANK0000034770 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KVEA	D25	DT	CP	CORONA, CA	BLANK0000034770	
Undesireds:	K25STA	D25	DT	STA	LAS VEGAS, NV	CH25STA 1MW C4120 1802	341.3 km
	KPXN-TV	D24	DT	APP	SAN BERNARDINO, CA	BLANK0000034900	0.2
	KBNT-CD	D24	DC	APP	SAN DIEGO, CA	BLANK0000034463	171.7
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	148.2
	KUVI-DT	D26	DT	CP	BAKERSFIELD, CA	BLANK0000034321	148.2
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000027912	155.4
	KSWB-TV	D26	DT	CP	SAN DIEGO, CA	BLANK0000025067	199.6
	KSKJ-CD	D26	DC	APP	VAN NUYS, CA	BLANK0000034721	1.4
	XHEXT	D25	DT	LIC	MEXICALI, BN	BLANKBPFS20050721BFG	298.8
Service area	44904.9	17,643,841	34376.4	16,432,886	IX-free, before 34001.6 16,227,673	IX-free, after 33997.6 16,227,673	Percent New IX 0.01 0.00
Undesired					Total IX	Unique IX, before	Unique IX, after

Appendix A - Interference Analysis
KSNV - K25STA - Las Vegas, Nevada
Channel 25 - 1000 kW - Page 4

K25STA D25 DT STA	4.0	0		4.0	0
KPXN-TV D24 DT APP	60.1	70,361	52.1	39,450	52.1
KGET-TV D25 DT LIC	139.1	6,137	123.2	6,125	123.2
KUVI-DT D26 DT CP	15.9	12	0.0	0	0.0
KSWB-TV D26 DT CP	135.7	62,243	135.7	62,243	135.7
KSKJ-CD D26 DC APP	44.0	95,462	36.0	64,551	36.0
XHEXT D25 DT LIC	4.0	1,921	4.0	1,921	4.0

Interference to BLANK0000034770 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance	
	KVEA	D25	DT	STA	CORONA, CA	BLANK0000034770		
Undesireds:	K25STA	D25	DT	STA	LAS VEGAS, NV	CH25STA 1MW C4120 1802	341.3 km	
	KPXN-TV	D24	DT	CP	SAN BERNARDINO, CA	BLANK0000027391	1.4	
	KBNT-CD	D24	DC	APP	SAN DIEGO, CA	BLANK0000034463	171.7	
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	148.2	
	KUVI-DT	D26	DT	CP	BAKERSFIELD, CA	BLANK0000034321	148.2	
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000027912	155.4	
	KSWB-TV	D26	DT	CP	SAN DIEGO, CA	BLANK0000025067	199.6	
	KSKJ-CD	D26	DC	APP	VAN NUYS, CA	BLANK0000034721	1.4	
	XHEXT	D25	DT	LIC	MEXICALI, BN	BLANKBPF20050721BFG	298.8	
Service area	44904.9	17,643,841	Terrain-limited	34376.4	IX-free, before 16,432,886	33949.5	IX-free, after 16,223,533	Percent New IX 0.01 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after	
	K25STA D25 DT STA	4.0	0		4.0		0	
	KPXN-TV D24 DT CP	132.2	107,363	104.2	43,590	104.2	43,590	
	KGET-TV D25 DT LIC	139.1	6,137	123.2	6,125	123.2	6,125	
	KUVI-DT D26 DT CP	15.9	12	0.0	0	0.0	0	
	KSWB-TV D26 DT CP	135.7	62,243	135.7	62,243	135.7	62,243	
	KSKJ-CD D26 DC APP	44.0	95,462	16.0	31,689	16.0	31,689	
	XHEXT D25 DT LIC	4.0	1,921	4.0	1,921	4.0	1,921	

Interference to BDISDTL20120514AET CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance	
	KGNG-LD	D26	LD	CP	LAS VEGAS, NV	BDISDTL20120514AET		
Undesireds:	K25STA	D25	DT	STA	LAS VEGAS, NV	CH25STA 1MW C4120 1802	7.6 km	
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000027912	263.5	
	KPVT-LD	D27	LD	LIC	LAS VEGAS, NV	BLANK0000010689	7.9	
Service area	11180.4	1,911,481	Terrain-limited	7735.5	IX-free, before 1,903,447	7558.9	IX-free, after 1,895,321	Percent New IX 1.49 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after	
	K25STA D25 DT STA	272.8	8,182		112.3		56	
	KPVT-LD D27 LD LIC	176.6	8,126	176.6	8,126	16.1	0	

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K25STA	D25	DT	STA	LAS VEGAS, NV	CH25STA 1MW C4120 1802	
Service area	32150.7	1,967,598	Terrain-limited	20553.8	IX-free 1,918,939	20553.8	Percent IX 0.00 0.00



KSNV - K45STA - LAS VEGAS, NEVADA

Appendix A - Longley-Rice Interference Analysis

FEBRUARY, 2018

tvstudy v2.2.4 (Z2Qqz3)
 Database: localhost, Study: CH45STA 1MW C4120 180205, Model: Longley-Rice
 Start: 2018.02.05 12:41:30

Study created: 2018.02.05 12:41:30

Study build station data: LMS TV 2018-02-04 (29)

Proposal: K45STA D45 DT STA LAS VEGAS, NV
 File number: CH45STA 1MW C4120 180205
 Facility ID: 10179
 Station data: User record
 Record ID: 104
 Country: U.S.
 Zone: II

Build options:
 Protect pre-transition records not on baseline channel

Search options:
 Non-U.S. records included
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	122.4 km
No	KPVM-LP	N41	TX	LIC	PAHRUMP, NV	BLTTL20040205ADL	88.4
No	K44DK-D	D44	LD	LIC	KINGMAN, AZ	BLDTT20130308ABJ	143.3
No	KILM	D44	DD	LIC	INGLEWOOD, CA	BLANK0000001040	269.6
No	K44JR-D	D44	LD	LIC	LAUGHLIN, NV	BLDTT20100201AHA	87.6
Yes	K44GU-D	D44	LD	LIC	OVERTON, NV	BLDTT20120309ACP	87.1
Yes	K20MC-D	N44	TX	LIC	PAHRUMP, NV	BLTT20030512ADH	44.4
No	K44KN-D	D44	LD	LIC	PANACA, NV	BLDTT20110706ABU	168.8
No	K44JI-D	D44	LD	LIC	WASHINGTON, ETC., UT	BLDTT20091106ACF	162.3
No	K45MP-D	D45	LD	CP	GOLDEN VALLEY, AZ	BNPDTL20100510AEB	125.9
No	KUVI-DT	D45	DT	LIC	BAKERSFIELD, CA	BLCDT20090616ACL	342.8
No	KEDD-LD	D45	LD	CP	LOS ANGELES, CA	BDISDTL20120618ABU	341.4
No	K45MI-D	D45	LD	CP	PALM SPRINGS, CA	BNPDTL20090825BNA	260.3
No	K45GQ-D	D45	LD	LIC	RIDGECREST, CA	BLDTT20081106AAA	248.4
No	KSKJ-CD	D45	DC	LIC	VAN NUYS, CA	BLDTA20100309ACE	368.5
No	KRMV-LD	N45z	TX	LIC	WALNUT, CA	BLTTL20070130AJO	273.8
No	K45AL-D	D45	LD	LIC	CALIENTE, NV	BLDTT20130123ADX	184.8
No	K45HS-D	D45	LD	LIC	LUND & PRESTON, NV	BLDTT20100111AAQ	360.4
Yes	KWWB-LP	N45	TX	LIC	MESQUITE, ETC., NV	BLTTL20070309ADK	162.4
No	K45AO-D	D45	LD	LIC	PIOCHE, NV	BLDTT20130123AEB	218.5
No	K45EY-D	D45	LD	LIC	ROUND MOUNTAIN, NV	BLDTT20100817AAM	341.4
No	K45HD-D	D45	LD	LIC	CEDAR CITY, UT	BLDTT20090728AES	252.5
No	K45BY-D	D45	LD	LIC	GARFIELD, ETC., UT	BLDTT20080107AAJ	339.6
No	K45JT-D	D45	LD	LIC	GARRISON, ETC., UT	BLANK0000040169	356.5
No	K45JS-D	D45	LD	LIC	HENRIVILLE, UT	BLDTT20090601AAC	318.6
No	K45KV-D	D45	LD	LIC	ORDERVILLE, UT	BLDTT20091228AAB	254.7
No	K45LF-D	D45	LD	LIC	PANGUITCH, UT	BLDTT20110318AEM	303.2
No	K46CG-D	D46	LD	LIC	GOLDEN VALLEY, AZ	BLDTT20130308ABC	112.4
No	K46GI-D	D46	LD	LIC	LAKE HAVASU CITY, AZ	BLDTT20130308ABU	166.5
Yes	K46HG-D	D46	LD	LIC	OVERTON, NV	BLDTT20120309ACR	87.1
No	KPVM-LD	D46	LD	LIC	PAHRUMP, NV	BLANK0000036580	88.4
No	KGNG-LP	N47+	TX	LIC	LAS VEGAS, NV	BLTTL19970227JE	7.6
No	KNTL-LP	N47z	TX	LIC	LAUGHLIN, NV	BLTTL19980225JF	87.6

Appendix A - Interference Analysis
KSNV - K45STA - Las Vegas, Nevada
Channel 45 - 1000 kW - Page 2

No	K49AB	N49+	TX	LIC	PAHRUMP, NV	BLTT20030512ADK	44.4
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No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D45
Latitude: 36 0 27.30 N (NAD83)
Longitude: 115 0 26.90 W
Height AMSL: 1078.6 m
HAAT: 382.9 m
Peak ERP: 1000 kW
Antenna: DIE-TUA-C4-12/48-1-R-T 0.0 deg
Elev Pattrn: Generic
Elec Tilt: 0.80

41.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	941 kW	548.0 m	115.8 km
45.0	507	515.6	107.9
90.0	951	305.2	95.7
135.0	227	382.1	91.1
180.0	300	298.3	84.7
225.0	442	167.6	75.1
270.0	924	386.6	102.9
315.0	521	488.2	105.9

Database HAAT does not agree with computed HAAT

Database HAAT: 383 m Computed HAAT: 386 m

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 928 kW

Distance to Canadian border: 1444.1 km

Distance to Mexican border: 366.5 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 289.7 degrees Distance: 629.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 58.9 degrees Distance: 967.4 km

Study cell size: 2.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLDTT20120309ACP LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K44GU-D	D44	LD	LIC	OVERTON, NV	BLDTT20120309ACP	
Undesireds:	K45STA	D45	DT	STA	LAS VEGAS, NV	CH45STA 1MW C4120 1802	87.1 km
	K44DK-D	D44	LD	LIC	KINGMAN, AZ	BLDTT20130308ABJ	186.7
	K44JI-D	D44	LD	LIC	WASHINGTON, ETC., UT	BLDTT20091106ACF	77.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
2320.6	8,559	2041.9	8,556	1938.4	8,556	1938.4	8,556
Undesired	K45STA D45 DT STA		Total IX	Unique IX, before	Unique IX, after		
		8.0	0	0.0	0		

Appendix A - Interference Analysis
KSNV - K45STA - Las Vegas, Nevada
Channel 45 - 1000 kW - Page 3

K44DK-D D44 LD LIC	4.0	0	4.0	0	4.0	0
K44JI-D D44 LD LIC	99.5	0	99.5	0	91.6	0

Interference to BLTT20030512ADH LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K20MC-D	N44	TX	LIC	PAHRUMP, NV	BLTT20030512ADH	
Undesireds:	K45STA	D45	DT	STA	LAS VEGAS, NV	CH45STA 1MW C4120 1802	44.4 km
	K44DK-D	D44	LD	LIC	KINGMAN, AZ	BLDTT20130308ABJ	173.8
	K44JR-D	D44	LD	LIC	LAUGHLIN, NV	BLDTT20100201AHA	104.1
	K44GU-D	D44	LD	LIC	OVERTON, NV	BLDTT20120309ACP	119.2
	K44JI-D	D44	LD	LIC	WASHINGTON, ETC., UT	BLDTT20091106ACF	196.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
726.2	431	413.0	64	376.9	56	376.9	56
Undesired		Total IX		Unique IX, before		Unique IX, after	
K45STA D45 DT STA	12.0	1		0.0		0	
K44DK-D D44 LD LIC	28.1	8	16.0	7	12.0	7	
K44JR-D D44 LD LIC	12.0	1	0.0	0	0.0	0	
K44GU-D D44 LD LIC	4.0	1	0.0	0	0.0	0	
K44JI-D D44 LD LIC	20.0	1	4.0	0	4.0	0	

Interference to BLTTL20070309ADK LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KWWB-LP	N45	TX	LIC	MESQUITE, ETC., NV	BLTTL20070309ADK	
Undesireds:	K45STA	D45	DT	STA	LAS VEGAS, NV	CH45STA 1MW C4120 1802	162.4 km
	K44JI-D	D44	LD	LIC	WASHINGTON, ETC., UT	BLDTT20091106ACF	0.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
1355.9	16,949	487.9	174	471.9	174	428.0	174
Undesired		Total IX		Unique IX, before		Unique IX, after	
K45STA D45 DT STA	47.9	0		43.9		0	
K44JI-D D44 LD LIC	16.0	0	16.0	0	12.0	0	

Interference to BLDTT20120309ACR LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K46HG-D	D46	LD	LIC	OVERTON, NV	BLDTT20120309ACR	
Undesireds:	K45STA	D45	DT	STA	LAS VEGAS, NV	CH45STA 1MW C4120 1802	87.1 km
	K46IL-D	D46	LD	LIC	VERDE VALLEY, ETC., AZ	BLANK0000029353	310.5
	K47OA-D	D47	LD	CP	WASHINGTON, ETC., UT	BPDTT20130129ACJ	77.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2308.7	8,559	2037.9	8,556	2037.9	8,556	2030.0	8,556
Undesired		Total IX		Unique IX, before		Unique IX, after	
K45STA D45 DT STA	8.0	0		8.0		0	

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K45STA	D45	DT	STA	LAS VEGAS, NV	CH45STA 1MW C4120 1802	
Service area		Terrain-limited		IX-free		Percent IX	
30000.5	1,966,298	17742.1	1,918,510	17742.1	1,918,510	0.00	0.00