

This amendment proposes to change K49AS (K29LD) to channel 10. That resolves the MX issue with KWW-LP FAC ID 39491 Mesquite, NV on channel 29.

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MX described:

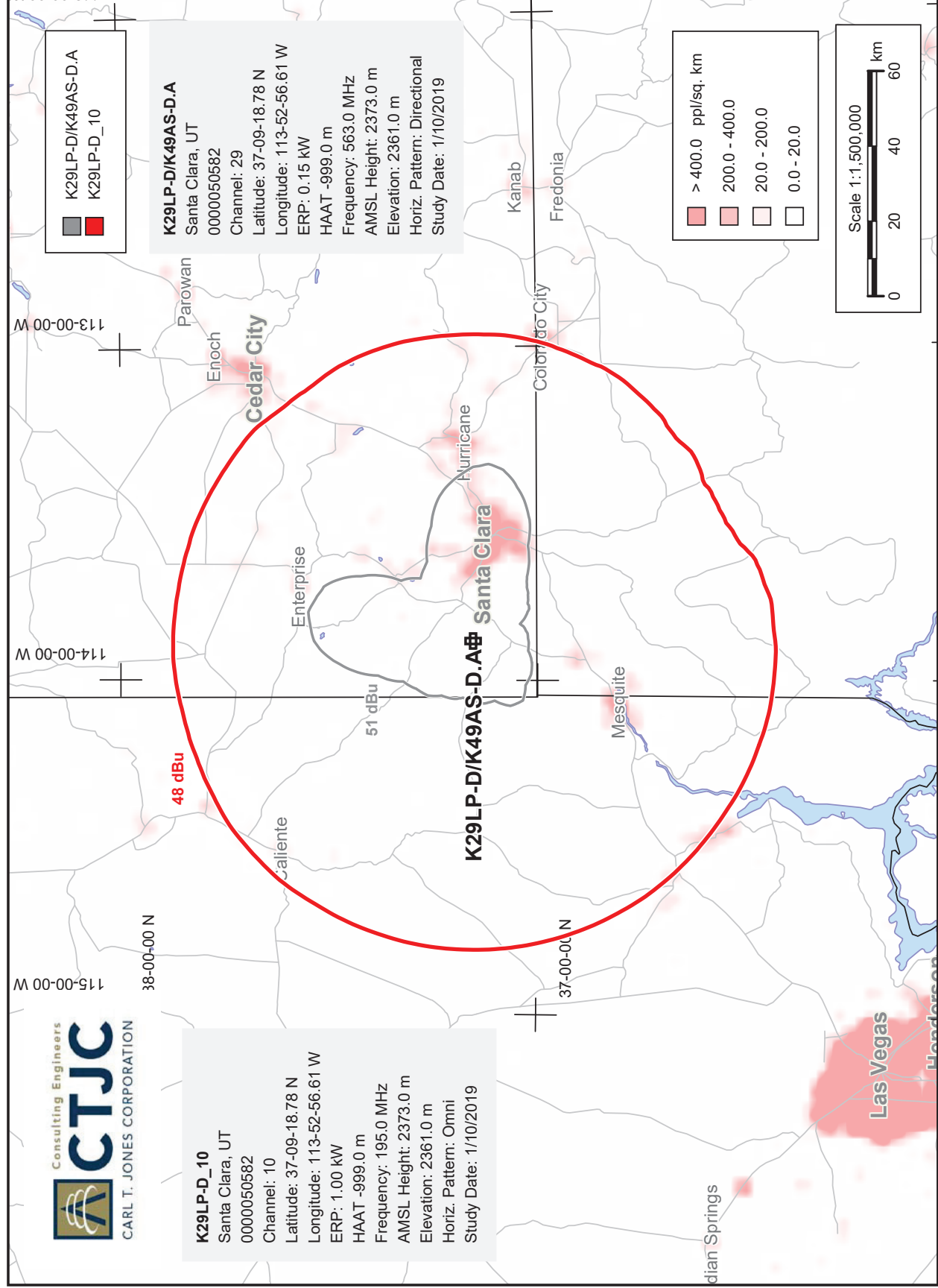
Station 1 – KUTV Licensee, LLC – Existing Digital License Call Sign: K49AS-D – Facility 70994 – Community of Service – Santa Clara, UT. – Displacement Application – LMS-0000050582 – Proposed Displacement Call Sign: K29LP-D

Station 2 – Entravision Holdings, LLC – Existing Analog License Call Sign: KWWB-LP – Facility – 39491 – Community of Service – Mesquite, ETC., NV. – Displacement Application – LMS-0000052515 Proposed Displacement Call Sign: KWWB-LD – Displacing to CH 29

The reason for the Mutual Exclusivity is as follows:

- a. Station 1 displacement proposal LMS-0000050582 is predicted to cause interference to Station 2 displacement proposal LMS-0000052515 at 74.05%
- b. Station 2 displacement proposal LMS-0000052515 is predicted to cause interference to Stations 1 displacement proposal LMS-0000050582 at 90.85%

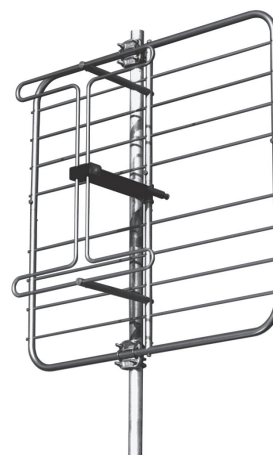
K29LP-D AP 10 Santa Clara, UT - Coverage Map



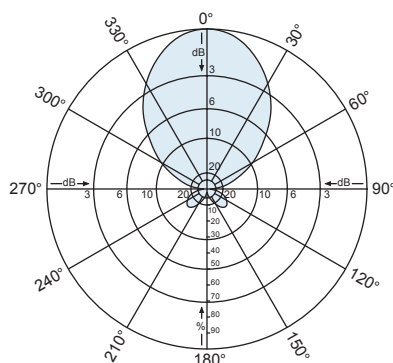
KUSA DRV panel antennas for VHF television transmission offer high performance, low VSWR, and application flexibility. Multi-panel arrays can be utilized to provide the standard patterns shown below and custom patterns for specific coverage requirements. Arrays include power dividers and coax feeders, plus installation hardware.

Like all KUSA antennas, the DRV is made of the finest materials using state of the art electrical and mechanical designs, resulting in superior performance and long service life.

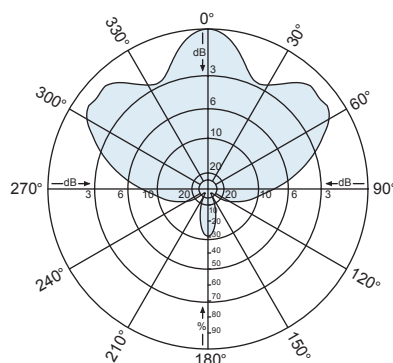
*The DRV covers channel 7 through 13 in system M as well as all other international band III channels.



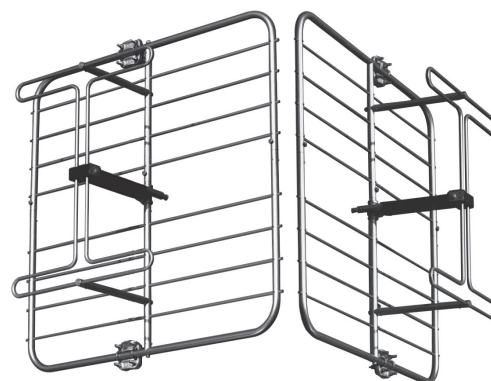
(Shown horizontally polarized)



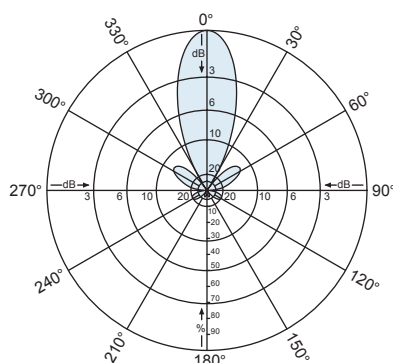
/1 series
Azimuth pattern (E-plane)



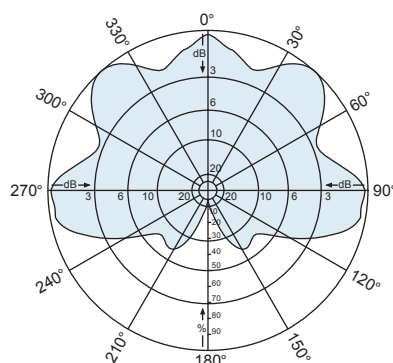
/2HW series
Azimuth pattern (E-plane)



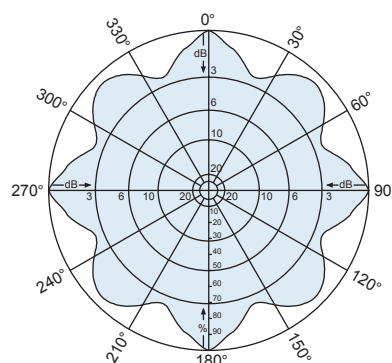
DRV-1/2HW array



/2HN series
Azimuth pattern (E-plane)



/3HC series
Azimuth pattern (E-plane)



/4HO series
Azimuth pattern (E-plane)

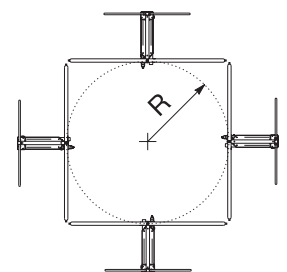
10285f subject to alteration



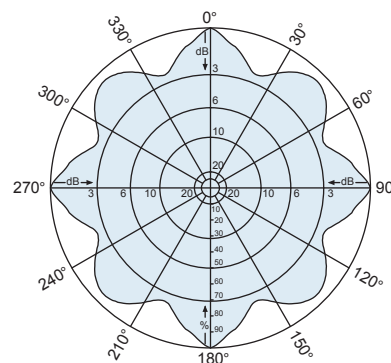
All specifications are subject to change without notice.
The latest specifications are available at www.kathreinusa.com

Panel antennas are designed so that their azimuth patterns achieve optimum smoothness when mounted as closely together as possible. Larger mounting radii produce undesirable scalloping.

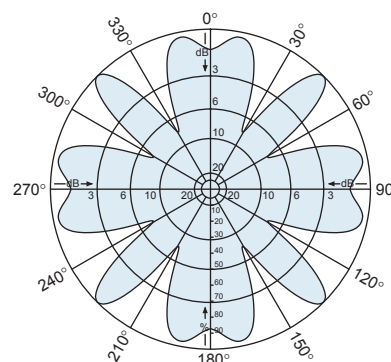
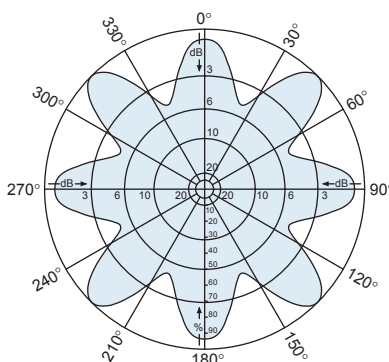
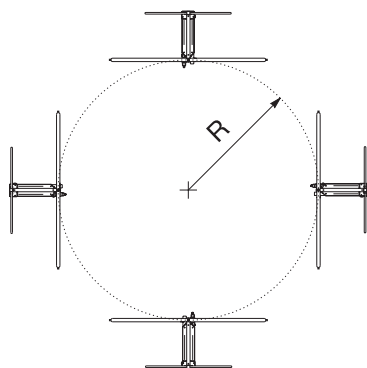
Optimum



R = 25 inches (635 mm)



Scalloped



Specifications

Model	Gain dBd	Power Gain	Weight lb (kg)	Dimensions		Number of Panels	Number of Bays
DRV-1/1	7	5.01	18 (8.2)	48 x 48 x 18 inches	(1219 x 1219 x 457 mm)	1	1
DRV-2/1	10.4	10.96	36 (16.4)	110 x 48 x 18 inches	(2794 x 1219 x 457 mm)	2	2
DRV-4/1	13.4	21.88	72 (32.8)	237 x 48 x 18 inches	(6020 x 1219 x 457 mm)	4	4
DRV-1/2HN	10	10	36 (16.4)	48 x 100 x 18 inches	(1219 x 2540 x 457 mm)	2	1
DRV-2/2HN	13.4	21.88	72 (32.8)	110 x 100 x 18 inches	(2794 x 2540 x 457 mm)	4	2
DRV-4/2HN	16.4	43.65	144 (65.6)	237 x 100 x 18 inches	(6020 x 2540 x 457 mm)	8	4
DRV-1/2HW	4.5	2.82	36 (16.4)	48 x 70 x 70 inches	(1219 x 1778 x 1778 mm)	2	1
DRV-2/2HW	7.9	6.17	72 (32.8)	110 x 70 x 70 inches	(2794 x 1778 x 1778 mm)	4	2
DRV-4/2HW	10.9	12.3	144 (65.6)	237 x 70 x 70 inches	(6020 x 1778 x 1778 mm)	8	4
DRV-1/3HC	2.5	1.78	54 (24.6)	48 x 88 x 70 inches	(1219 x 2235 x 1778 mm)	3	1
DRV-2/3HC	5.9	3.89	108 (49.2)	110 x 88 x 70 inches	(2794 x 2235 x 1778 mm)	6	2
DRV-4/3HC	8.9	7.76	216 (98.4)	237 x 88 x 70 inches	(6020 x 2235 x 1778 mm)	12	4
DRV-1/4HO	1	1.26	72 (32.8)	48 x 88 x 88 inches	(1219 x 2235 x 2235 mm)	4	1
DRV-2/4HO	4.4	2.75	144 (65.6)	110 x 88 x 88 inches	(2794 x 2235 x 2235 mm)	8	2
DRV-4/4HO	7.4	5.5	288 (131)	237 x 88 x 88 inches	(6020 x 2235 x 2235 mm)	16	4

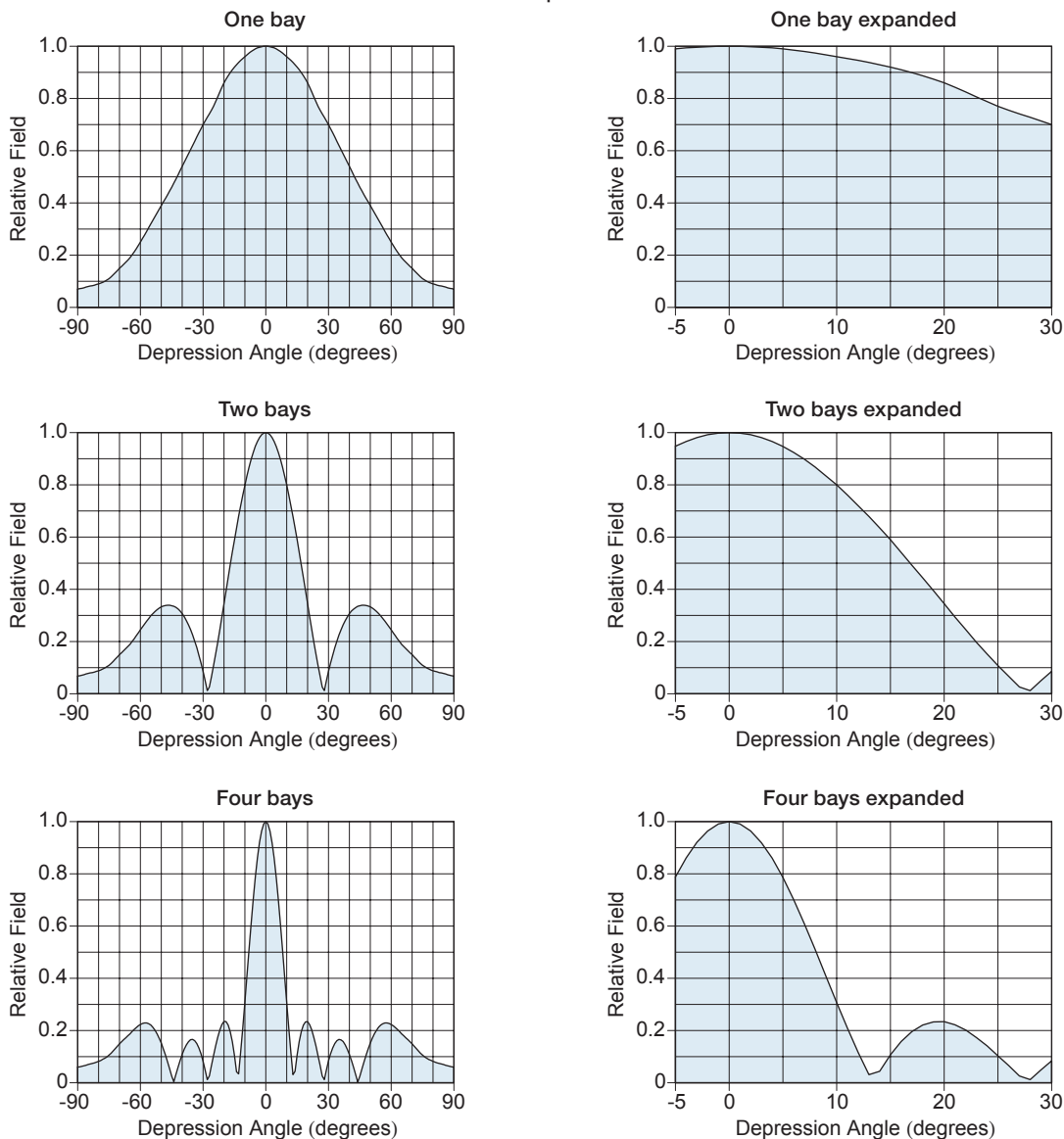
10285f subject to alteration

General Specifications

Frequency	174–230 MHz (broadband)*
Impedance	50 ohms
VSWR	<1.2:1
Polarization	Horizontal or vertical
Maximum input power	500 watts per panel (at 50° C)
Connector	N female
Wind load at 100 mph (161 kph)	
Front	93 lbf (414 N)
Wind survival rating**	120 mph (193 kph)
Mounting	Hardware is included for attachment to masts of 2.375 inch (60 mm) OD. Contact KUSA Customer service for additional mounting options

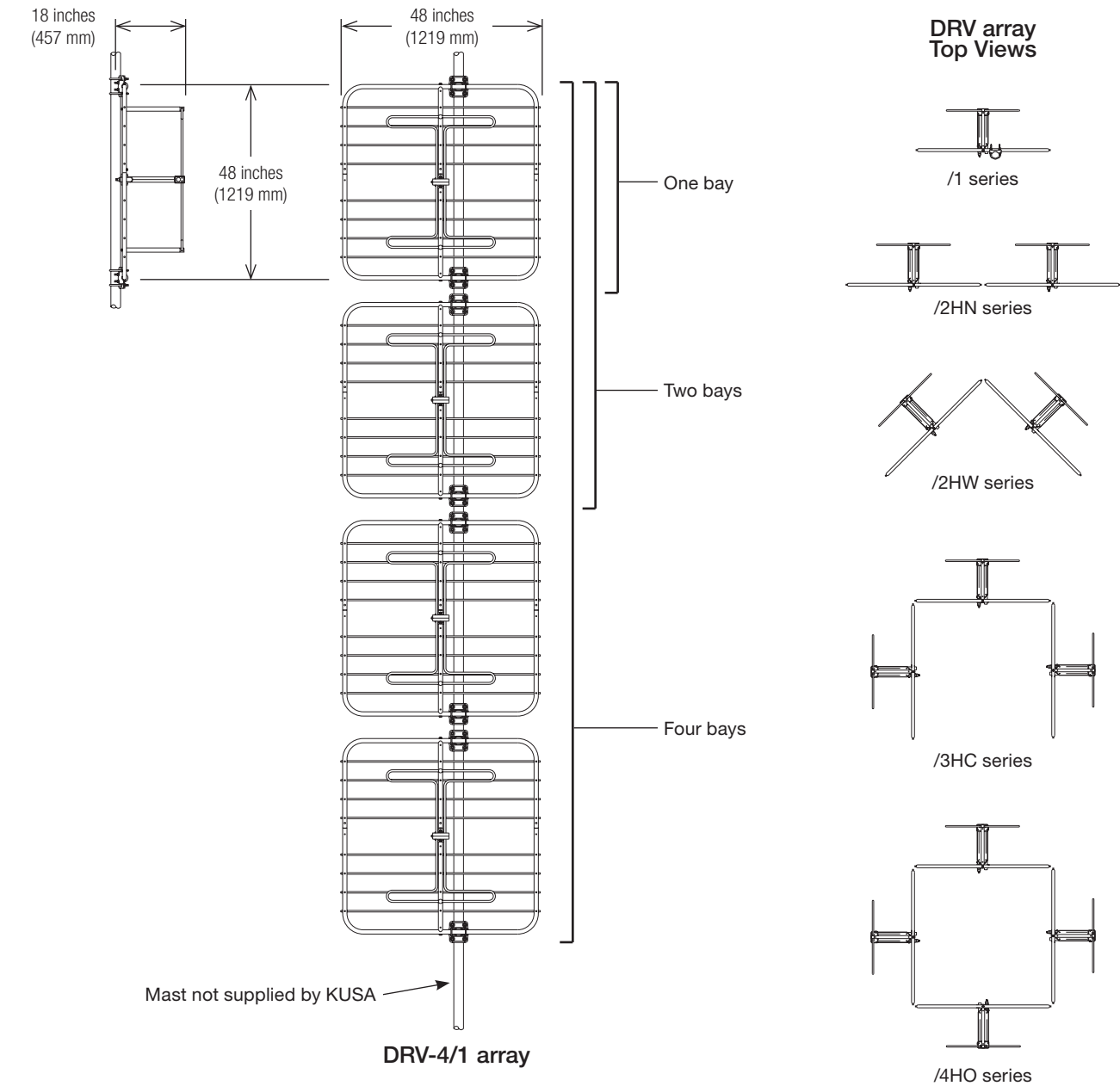
*The DRV covers channel 7 through 13 in system M as well as all other international band III channels.

**Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.

Elevation patterns


10285f subject to alteration

DRV
VHF-TV Panel Antenna
174—230 MHz (Channels 7—13*)



Order information

Model	Description
DRV (single panel)	Panel antenna for VHF-TV

10285f subject to alteration

Radiofrequency (RFR) Statement of Compliance

Based on worst-case calculations and considering a very conservative vertical relative field factor of 0.3 pursuant to OET Bulletin 65, the proposed television facility is predicted to produce a maximum power density which exceeds the FCC Guideline value of 200.0 microwatts per square centimeter for uncontrolled RFR environments. Further, because the proposed facility is located in close proximity to a number of other television and radio broadcast stations, the cumulative power density of all the stations operating from the shared site must be considered.

In light of the above, once the proposed facility is authorized and installed, an RFR measurement survey will be undertaken to determine the effect of the proposed facility on the RFR environment. Any changes in necessary to the existing RFR safety plan will be made accordingly. Further, the applicant is committed to reducing power or ceasing operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic fields in excess of FCC's occupational guidelines.

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: K49AS-D 10 AP FS Santa Clara UT #3918, Model: Longley-Rice
Start: 2019.01.10 12:31:30

Study created: 2019.01.10 12:31:30

Study build station data: LMS TV 2019-01-10

Proposal: K49AS-D D10 LD APP SANTA CLARA, UT
File number: K49AS-D 10 AP FS Santa Clara UT
Facility ID: 70994
Station data: User record
Record ID: 563
Country: U.S.

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

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	K07SC	N7	TX	LIC	HILDALE, ETC. (AZ), UT	BLTTTV19821118IF	79.9 km
No	K07PX	N7	TX	LIC	ROCKVILLE, UT	BLTTTV19800711IA	75.5
No	K08CE	N8	TX	LIC	KANARRAVILLE, UT	BLTTTV20061228AAL	70.4
No	K09FL-D	D9	LD	LIC	CALIENTE, NV	BLDTV20130123ADW	75.8
Yes	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	162.3
Yes	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLCDT20021120ABN	162.3
No	K09FJ-D	D9	LD	LIC	PIOCHE, NV	BLDTV20130123ADZ	98.9
No	K09FK-D	D9	LD	LIC	URSINE, NV	BLDTV20130123AEF	96.9
No	K09CJ-D	D9	LD	LIC	CEDAR CITY, UT	BLDTV20101008AAO	92.4
No	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	81.0
No	K09SU	N9	TX	LIC	HILDALE, ETC. (AZ), UT	BLTTTV19821118IE	79.9
No	K09ZK-D	D9	LD	LIC	LONG VALLEY JUNCTION, UT	BLANK0000059942	127.5
No	K09CD	N9	TX	LIC	ROCKVILLE, UT	BLTTTV19800303IJ	75.5
Yes	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	29.3
Yes	KMYU	D9	DT	LIC	ST. GEORGE, UT	BLCDT20021031ABG	29.3
No	K09KP	N9	TX	LIC	TOQUERVILLE, UT	BLTTTV3949	55.8
Yes	K44DK-D	D10	LD	CP	KINGMAN, AZ	BLANK0000053728	230.5
No	KSAZ-TV	D10	DT	LIC	PHOENIX, AZ	BLCDT20100302AAI	455.7
No	KERO-TV	D10	DT	LIC	BAKERSFIELD, CA	BLCDT20100929AEF	462.4
No	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	360.4
No	K10IX-D	N10	TX	LIC	NEWBERRY SPRINGS, CA	BLTTTV5095	360.3
No	K10BU-D	D10	LD	LIC	LUND & PRESTON, NV	BLDTV20100111AAO	252.4
No	K10LQ-D	D10	LD	LIC	MANHATTAN, NV	BLDTV20110531AQO	318.9
Yes	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	103.2
Yes	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	92.4
No	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTTV20061219ABG	70.4
No	K10QR-D	D10	LD	LIC	LEAMINGTON, UT	BLDTV20110201AFK	297.5
Yes	K10RF-D	D10	LD	LIC	LONG VALLEY JUNCTION, UT	BLANK0000059944	127.5
No	K49JN-D	D10	LD	CP	MARYSVALE, UT	BLANK0000053469	210.9
No	K10RG-D	D10	LD	LIC	RURAL JUAB COUNTY, UT	BLANK0000063301	315.5
No	K10RH-D	D10	LD	LIC	SALINA & REDMOND, UT	BLANK0000063750	259.8
No	K10CL	N10	TX	LIC	SCOFIELD, UT	BLTTTV791	370.2
No	K10AZ	N10	TX	LIC	SPRING GLEN, ETC., UT	BLTTTV3208	361.4
No	K11CN-D	D11	LD	LIC	CALIENTE, NV	BLDTV20130123ADV	75.8
No	KLVX	D11	DT	LIC	LAS VEGAS, NV	BMLED20120124ACO	162.3
No	K11IV-D	D11	LD	LIC	PIOCHE, NV	BLDTV20130123ADY	98.9
No	K11OW-D	D11	LD	LIC	URSINE, NV	BLDTV20130123AEG	96.9
No	K11CQ-D	D11	LD	LIC	CEDAR CITY, UT	BLANK0000036052	92.4
No	K11CQ-D	N11-	TX	LIC	CEDAR CITY, UT	BLTTTV20040818ABJ	92.4
No	K11QQ-D	D11	LD	LIC	HILDALE, ETC. (AZ), UT	BLDTV20090406AFA	79.9
No	K11XB-D	D11	LD	LIC	LONG VALLEY JUNCTION, UT	BLANK0000059936	127.5
No	K11OO	D11+	LD	CP	PINE VALLEY, ETC., UT	BLANK0000053182	43.8
No	K11OO	N11+	TX	LIC	PINE VALLEY, ETC., UT	BLTTTV19790917IB	44.6
No	K11VY-D	D11	LD	LIC	TOQUERVILLE, UT	BLDVL20100112AED	55.8
No	K11OP	N11	TX	LIC	VIRGIN, UT	BLTTTV19790910IH	59.9

No	K12CD	N12-	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABK	70.4
No	K13CP-D	N13z	TX	LIC	CEDAR CITY, UT	BLTTV20040818ABM	92.4
No	K13QK	N13	TX	LIC	VIRGIN, UT	BLTTV19800303IL	59.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D10
Mask: Full Service
Latitude: 37 9 18.70 N (NAD83)
Longitude: 113 52 59.50 W
Height AMSL: 2373.0 m
HAAT: 0.0 m
Peak ERP: 1.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.00 kW	1012.1 m	79.9 km
45.0	1.00	1102.6	80.9
90.0	1.00	1198.1	81.7
135.0	1.00	812.5	76.4
180.0	1.00	1077.6	80.6
225.0	1.00	1205.4	81.7
270.0	1.00	1284.2	82.2
315.0	1.00	1181.3	81.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 1109 m

Distance to Canadian border: 1316.4 km

Distance to Mexican border: 499.0 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 277.6 degrees Distance: 697.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 63.6 degrees Distance: 817.9 km

Study cell size: 1.00 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 BPCDT20120427AAB APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	162.3 km
	KECY-TV	D9	DT	LIC	EL CENTRO, CA	BLCDT20090723AAO	328.5
	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	341.4
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	173.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
48585.8	2,069,086	34243.9	1,941,663	34120.3	1,941,320	34092.3 1,941,320	0.08 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
K49AS-D	D10 LD APP	30.0	0			28.0 0	
KECY-TV	D9 DT LIC	117.6	343	117.6	343	117.6 343	

KCAL-TV D9 DT LIC	3.0	0	3.0	0	3.0	0
KMYU D9 DT APP	3.0	0	3.0	0	1.0	0

Interference to BPCDT20120427AAB APP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB			
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	162.3 km		
	KECY-TV	D9	DT	LIC	EL CENTRO, CA	BLCDT20090723AAO	328.5		
	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	341.4		
	KMYU	D9	DT	LIC	ST. GEORGE, UT	BLCDT20021031ABG	173.7		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
48585.8 2,069,086		34243.9		1,941,663		34104.3 1,941,320	0.05 0.00		
Undesired				Total IX	Unique IX, before	Unique IX, after			
K49AS-D D10 LD APP				30.0	0	18.0	0		
KECY-TV D9 DT LIC				117.6	343	117.6	343		
KCAL-TV D9 DT LIC				3.0	0	3.0	0		
KMYU D9 DT LIC				19.0	0	7.0	0		

Interference to BLCDT20021120ABN LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLCDT20021120ABN			
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	162.3 km		
	KECY-TV	D9	DT	LIC	EL CENTRO, CA	BLCDT20090723AAO	328.5		
	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	341.4		
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	173.7		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
43577.9 2,042,237		30627.7		1,938,069		30551.9 1,938,065	0.02 0.00		
Undesired				Total IX	Unique IX, before	Unique IX, after			
K49AS-D D10 LD APP				5.0	0	5.0	0		
KECY-TV D9 DT LIC				74.8	4	74.8	4		
KCAL-TV D9 DT LIC				1.0	0	1.0	0		

Interference to BLCDT20021120ABN LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLCDT20021120ABN			
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	162.3 km		
	KECY-TV	D9	DT	LIC	EL CENTRO, CA	BLCDT20090723AAO	328.5		
	KCAL-TV	D9	DT	LIC	LOS ANGELES, CA	BLCDT20090612AIY	341.4		
	KMYU	D9	DT	LIC	ST. GEORGE, UT	BLCDT20021031ABG	173.7		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
43577.9 2,042,237		30627.7		1,938,069		30543.9 1,938,065	0.01 0.00		
Undesired				Total IX	Unique IX, before	Unique IX, after			
K49AS-D D10 LD APP				5.0	0	4.0	0		
KECY-TV D9 DT LIC				74.8	4	74.8	4		
KCAL-TV D9 DT LIC				1.0	0	1.0	0		
KMYU D9 DT LIC				8.0	0	7.0	0		

Interference to BLANK0000035745 APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	29.3 km
	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	173.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
13880.3 184,629	10672.5 156,677	9524.8 154,241	9350.1 154,241	1.83 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K49AS-D D10 LD APP 510.7	0		174.6 0
KVVU-TV D9 DT APP 1147.7	2,436	1147.7 2,436	811.6 2,436

Interference to BLANK0000035745 APP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	29.3 km
	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLCDT20021120ABN	173.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
13880.3 184,629	10672.5 156,677	9837.0 154,937	9578.1 154,937	2.63 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K49AS-D D10 LD APP 510.7	0		259.0 0
KVVU-TV D9 DT LIC 835.5	1,740	835.5 1,740	583.7 1,740

Interference to BLCDT20021031ABG LIC scenario 1

**IX: 1.15% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMYU	D9	DT	LIC	ST. GEORGE, UT	BLCDT20021031ABG	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	29.3 km
	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	173.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5967.6 133,443	4458.5 130,099	4122.0 129,705	3968.9 128,208	3.71 1.15

Undesired	Total IX	Unique IX, before	Unique IX, after
K49AS-D D10 LD APP 270.2	1,823		153.1 1,497
KVVU-TV D9 DT APP 336.6	394	336.6 394	219.4 68

Interference to BLCDT20021031ABG LIC scenario 2

**IX: 1.34% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMYU	D9	DT	LIC	ST. GEORGE, UT	BLCDT20021031ABG	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	29.3 km
	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLCDT20021120ABN	173.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
5967.6 133,443	4458.5 130,099	4193.4 129,955	4022.3 128,210	4.08 1.34

Undesired	Total IX	Unique IX, before	Unique IX, after
K49AS-D D10 LD APP 270.2	1,823		171.1 1,745
KVVU-TV D9 DT LIC 265.2	144	265.2 144	166.0 66

Interference to BLANK0000053728 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K44DK-D	D10	LD	CP	KINGMAN, AZ	BLANK0000053728	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	230.5 km
	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	143.3
	KSAZ-TV	D10	DT	LIC	PHOENIX, AZ	BLCDT20100302AAI	257.6
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	254.4
	KLVX	D11	DT	LIC	LAS VEGAS, NV	BMLEDT20120124ACO	143.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23187.2 201,507	18118.7 85,020	18082.7 85,020	18068.7 84,979	0.08 0.05

Undesired		Total IX	Unique IX, before	Unique IX, after
K49AS-D D10 LD APP	14.0	41		14.0 41
KVVU-TV D9 DT APP	11.9	0	0.0 0	0.0 0
KSAZ-TV D10 DT LIC	23.1	0	23.1 0	23.1 0
KLVX D11 DT LIC	12.9	0	1.0 0	1.0 0

Interference to BLANK0000053728 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K44DK-D	D10	LD	CP	KINGMAN, AZ	BLANK0000053728	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	230.5 km
	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLCDT20021120ABN	143.3
	KSAZ-TV	D10	DT	LIC	PHOENIX, AZ	BLCDT20100302AAI	257.6
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	254.4
	KLVX	D11	DT	LIC	LAS VEGAS, NV	BMLEDT20120124ACO	143.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
23187.2	201,507	18118.7	85,020	18082.7	85,020	18068.7 84,979	0.08 0.05

Undesired		Total IX	Unique IX, before	Unique IX, after
K49AS-D D10 LD APP	14.0	41		14.0 41
KVVU-TV D9 DT LIC	6.9	0	0.0 0	0.0 0
KSAZ-TV D10 DT LIC	23.1	0	23.1 0	23.1 0
KLVX D11 DT LIC	12.9	0	6.0 0	6.0 0

Interference to BLDTV20090728ABN LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	103.2 km
	K09CJ-D	D9	LD	LIC	CEDAR CITY, UT	BLDTV20101008AAO	16.0
	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	79.9
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	86.9
	K44DK-D	D10	LD	CP	KINGMAN, AZ	BLANK0000053728	295.1
	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	16.0
	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	33.1
	K10RF-D	D10	LD	LIC	LONG VALLEY JUNCTION, UT	BLANK0000059944	32.2
	K11CQ-D	D11	LD	LIC	CEDAR CITY, UT	BLANK0000036052	16.0
	K1100	D11+	LD	CP	PINE VALLEY, ETC., UT	BLANK0000053182	71.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
982.4	40,085	623.6	14,296	427.1	10,745	424.0 10,745	0.71 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
K49AS-D D10 LD APP	4.1	0		3.0 0
K09CJ-D D9 LD LIC	188.4	3,551	1.0 0	1.0 0
K44DK-D D10 LD CP	1.0	0	0.0 0	0.0 0
K10PN-D D10 LD LIC	194.5	3,551	6.1 0	6.1 0
K10CK N10 TX LIC	83.1	1,399	0.0 0	0.0 0
K10RF-D D10 LD LIC	1.0	0	0.0 0	0.0 0
K11CQ-D D11 LD LIC	183.4	3,551	0.0 0	0.0 0

Interference to BLDTV20090728ABN LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	103.2 km
	K09CJ-D	D9	LD	LIC	CEDAR CITY, UT	BLDTV20101008AAO	16.0
	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	79.9
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	86.9
	K44DK-D	D10	LD	CP	KINGMAN, AZ	BLANK0000053728	295.1
	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	16.0
	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	33.1
	K10RF-D	D10	LD	LIC	LONG VALLEY JUNCTION, UT	BLANK0000059944	32.2

K1100	D11+	LD	CP	PINE VALLEY, ETC., UT	BLANK0000053182	71.8	
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
982.4 40,085	623.6	14,296	427.1	10,745	424.0	10,745	0.71 0.00
Undesired	Total IX		Unique IX, before		Unique IX, after		
K49AS-D D10 LD APP	4.1	0			3.0	0	
K09CJ-D D9 LD LIC	188.4	3,551	1.0	0	1.0	0	
K44DK-D D10 LD CP	1.0	0	0.0	0	0.0	0	
K10PN-D D10 LD LIC	194.5	3,551	6.1	0	6.1	0	
K10CK N10 TX LIC	83.1	1,399	0.0	0	0.0	0	
K10RF-D D10 LD LIC	1.0	0	0.0	0	0.0	0	

Interference to BLDTV20090728AAW LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	92.4 km
	K09CJ-D	D9	LD	LIC	CEDAR CITY, UT	BLDTV20101008AAO	0.1
	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	82.9
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	79.9
	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	16.0
	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	22.7
	K11CQ-D	D11	LD	LIC	CEDAR CITY, UT	BLANK0000036052	0.0
	K1100	D11+	LD	CP	PINE VALLEY, ETC., UT	BLANK0000053182	57.5
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
2930.9 41,292	2488.8	39,571	1178.1	21,113	1178.1	21,113	0.00 0.00
Undesired	Total IX		Unique IX, before		Unique IX, after		
K49AS-D D10 LD APP	22.3	0			0.0	0	
K09CJ-D D9 LD LIC	181.7	14,978	31.5	9,517	31.5	9,517	
K10MF-D D10 LD LIC	1028.1	1,671	982.5	1,671	966.3	1,671	
K10CK N10 TX LIC	216.6	53	127.3	7	127.3	7	
K11CQ-D D11 LD LIC	118.8	7,259	4.1	1,802	4.1	1,802	

Interference to BLDTV20090728AAW LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	92.4 km
	K09CJ-D	D9	LD	LIC	CEDAR CITY, UT	BLDTV20101008AAO	0.1
	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	82.9
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	79.9
	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	16.0
	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	22.7
	K1100	D11+	LD	CP	PINE VALLEY, ETC., UT	BLANK0000053182	57.5
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
2930.9 41,292	2488.8	39,571	1182.2	22,915	1182.2	22,915	0.00 0.00
Undesired	Total IX		Unique IX, before		Unique IX, after		
K49AS-D D10 LD APP	22.3	0			0.0	0	
K09CJ-D D9 LD LIC	181.7	14,978	80.2	14,932	78.1	14,932	
K10MF-D D10 LD LIC	1028.1	1,671	983.5	1,671	967.3	1,671	
K10CK N10 TX LIC	216.6	53	127.3	7	127.3	7	

Interference to BLANK0000059944 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K10RF-D	D10	LD	LIC	LONG VALLEY JUNCTION, UT	BLANK0000059944	
Undesireds:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	127.5 km
	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	82.3
	K09ZK-D	D9	LD	LIC	LONG VALLEY JUNCTION, UT	BLANK0000059942	0.1
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	106.2

K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	32.2
K11CQ-D	D11	LD	LIC	CEDAR CITY, UT	BLANK0000036052	48.2
K11OO	D11+	LD	CP	PINE VALLEY, ETC., UT	BLANK0000053182	101.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
671.2	799	577.9	474	572.8
			474	569.7
				474
				0.53
				0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K49AS-D D10 LD APP	3.0	0	3.0
K09ZK-D D9 LD LIC	1.0	0	1.0
K10MF-D D10 LD LIC	4.1	0	4.1

Interference to proposal scenario 1

**MX: 5.21% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	
Undesireds:	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	162.3 km
	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	81.0
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	29.3
	K44DK-D	D10	LD	CP	KINGMAN, AZ	BLANK0000053728	230.5
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	360.4
	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	103.2
	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	92.4
	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	70.4
	K11CN-D	D11	LD	LIC	CALIENTE, NV	BLDTV20130123ADV	75.8
	K11CQ-D	D11	LD	LIC	CEDAR CITY, UT	BLANK0000036052	92.4
	K11QQ-D	D11	LD	LIC	HILDALE, ETC. (AZ), UT	BLDTV20090406AFA	79.9
	K11OO	D11+	LD	CP	PINE VALLEY, ETC., UT	BLANK0000053182	43.8
	K11VY-D	D11	LD	LIC	TOQUERVILLE, UT	BLDVL20100112AED	55.8

Service area	Terrain-limited	IX-free	Percent IX
20395.8	163,698	14152.2	153,743
		13841.5	145,727
			2.20
			5.21

Undesired	Total IX	Unique IX	Prcnt Unique IX
KMYU D9 DT APP	113.7	7,976	108.8
K44DK-D D10 LD CP	46.1	0	45.1
K10MF-D D10 LD LIC	78.0	2	17.2
K10PN-D D10 LD LIC	111.5	32	47.7
K10CK N10 TX LIC	22.1	156	14.0
K11CN-D D11 LD LIC	1.0	0	1.0
K11QQ-D D11 LD LIC	4.0	1	4.0
K11OO D11+ LD CP	7.1	14	4.1
K11VY-D D11 LD LIC	1.0	0	0.0

Interference to proposal scenario 2

**MX: 5.21% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	
Undesireds:	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	162.3 km
	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	81.0
	KMYU	D9	DT	APP	ST. GEORGE, UT	BLANK0000035745	29.3
	K44DK-D	D10	LD	CP	KINGMAN, AZ	BLANK0000053728	230.5
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	360.4
	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	103.2
	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	92.4
	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	70.4
	K11CN-D	D11	LD	LIC	CALIENTE, NV	BLDTV20130123ADV	75.8
	K11CQ-D	D11	LD	LIC	CEDAR CITY, UT	BLANK0000036052	92.4
	K11QQ-D	D11	LD	LIC	HILDALE, ETC. (AZ), UT	BLDTV20090406AFA	79.9
	K11VY-D	D11	LD	LIC	TOQUERVILLE, UT	BLDVL20100112AED	55.8

Service area	Terrain-limited	IX-free	Percent IX
20395.8	163,698	14152.2	153,743
		13845.6	145,727
			2.17
			5.21

Undesired	Total IX	Unique IX	Prcnt Unique IX
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KMYU D9 DT APP	113.7	7,976	108.8	7,827	0.77	5.09
K44DK-D D10 LD CP	46.1	0	45.1	0	0.32	0.00
K10MF-D D10 LD LIC	78.0	2	17.2	0	0.12	0.00
K10PN-D D10 LD LIC	111.5	32	48.7	30	0.34	0.02
K10CK N10 TX LIC	22.1	156	14.0	7	0.10	0.00
K11CN-D D11 LD LIC	1.0	0	1.0	0	0.01	0.00
K11QQ-D D11 LD LIC	4.0	1	4.0	1	0.03	0.00
K11VY-D D11 LD LIC	1.0	0	0.0	0	0.00	0.00

Interference to proposal scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	
Undesireds:	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	162.3 km
	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	81.0
	K44DK-D	D10	LD	CP	KINGMAN, AZ	BLANK0000053728	230.5
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	360.4
	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	103.2
	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	92.4
	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	70.4
	K11CN-D	D11	LD	LIC	CALIENTE, NV	BLDTV20130123ADV	75.8
	K11CQ-D	D11	LD	LIC	CEDAR CITY, UT	BLANK0000036052	92.4
	K11QQ-D	D11	LD	LIC	HILDALE, ETC. (AZ), UT	BLDTV20090406AFA	79.9
	K11OO	D11+	LD	CP	PINE VALLEY, ETC., UT	BLANK0000053182	43.8
	K11VY-D	D11	LD	LIC	TOQUERVILLE, UT	BLDVL20100112AED	55.8
	Service area	Terrain-limited		IX-free		Percent IX	
20395.8	163,698	14152.2	153,743	13950.3	153,554	1.43	0.12

Undesired	Total IX	Unique IX	Prcnt Unique IX
K44DK-D D10 LD CP	46.1	0	0.32
K10MF-D D10 LD LIC	78.0	2	0.12
K10PN-D D10 LD LIC	111.5	32	0.34
K10CK N10 TX LIC	22.1	156	0.13
K11CN-D D11 LD LIC	1.0	0	0.01
K11QQ-D D11 LD LIC	4.0	1	0.03
K11OO D11+ LD CP	7.1	14	0.03
K11VY-D D11 LD LIC	1.0	0	0.00

Interference to proposal scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K49AS-D	D10	LD	APP	SANTA CLARA, UT	K49AS-D 10 AP FS Santa	
Undesireds:	KVVU-TV	D9	DT	APP	HENDERSON, NV	BPCDT20120427AAB	162.3 km
	K09SU	D9	LD	CP	HILDALE, ETC. (AZ), UT	BLANK0000054149	81.0
	K44DK-D	D10	LD	CP	KINGMAN, AZ	BLANK0000053728	230.5
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	360.4
	K10MF-D	D10	LD	LIC	CEDAR CANYON, UT	BLDTV20090728ABN	103.2
	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLDTV20090728AAW	92.4
	K10CK	N10	TX	LIC	KANARRAVILLE, UT	BLTTV20061219ABG	70.4
	K11CN-D	D11	LD	LIC	CALIENTE, NV	BLDTV20130123ADV	75.8
	K11CQ-D	D11	LD	LIC	CEDAR CITY, UT	BLANK0000036052	92.4
	K11QQ-D	D11	LD	LIC	HILDALE, ETC. (AZ), UT	BLDTV20090406AFA	79.9
	K11VY-D	D11	LD	LIC	TOQUERVILLE, UT	BLDVL20100112AED	55.8
	Service area	Terrain-limited		IX-free		Percent IX	
20395.8	163,698	14152.2	153,743	13954.4	153,554	1.40	0.12

Undesired	Total IX	Unique IX	Prcnt Unique IX
K44DK-D D10 LD CP	46.1	0	0.32
K10MF-D D10 LD LIC	78.0	2	0.12
K10PN-D D10 LD LIC	111.5	32	0.34
K10CK N10 TX LIC	22.1	156	0.13
K11CN-D D11 LD LIC	1.0	0	0.01
K11QQ-D D11 LD LIC	4.0	1	0.03
K11VY-D D11 LD LIC	1.0	0	0.00