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B. W. St. Clair

**Engineering Statement In Support of the Request
Of DNV Spectrum Holdings for the Use of Ch 02
As The Virtual Channel for KPVT-LD, FI 197818**

LPTV station KPVT-LD has a CP on an elevated site overlooking Las Vegas, NV. The equipment to build this CP is on order and the station will be constructed shortly. The CP is 0000004787.

The KPVT-LD CP is a companion digital channel that specifies Ch 27 and the underlying NTSC analog channel is Ch 30. As will be demonstrated below the normal choices for the virtual channel are not available. A locally published table of virtual channels in the Las Vegas area is attached as Exhibit 1. The regulatory contours of other stations which are significant in this discussion are shown in Exhibits 2 and 3.

- 1> Channel 30: This is the normal first choice for the KPVT-LD virtual channel but Ch 30 is already in use by KEGS-LD. KEGS-LD (analog) was originally Ch 30 and accordingly retained this channel as its digital virtual channel. Also see Exhibit 1.
- 2> Channel 27: There is no analog channel directly associated with FI 197818, the facility identifier associated with KPVT-LD. Accordingly paragraph 2 of Annex B ¹ governs and the digital RF channel of KPVT-LD, channel 27 is the next virtual channel choice. However, channel 27 is already in use by KELV-LP. See Exhibit 1 and BLTT-19990225JE.
- 3> Channel 15: If the instruction in 4) of Annex B govern then the "DTV RF channel originally allotted to the previous NTSC licensee of the assigned channel shall be used" ¹ This leads to the DTV RF channel of KELV-LD which is channel 15. However, channel 15 is the virtual channel of KINC-DT. KINC-DT is a full service station and channel 15 is listed as its virtual channel in the DTV station search database. Also see Exhibit 1.

Availability of Requested Virtual Channel: The availability of the requested channel, channel 02, was examined by searching for stations using this virtual channel in Nevada and the surrounding states: Arizona, California and Utah, with the following results. See Exhibit 4.

¹ ATSC A/65C

**Table of Stations Using Ch 02
As Their Virtual Channel**

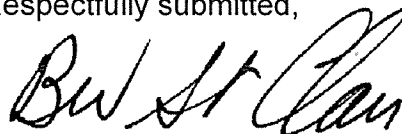
Market	Station	Distance Miles
Los Angeles	KCBS	187
Flagstaff, AZ	KNAZ	227
Reno, NV	KTVN	333
Salt Lake City, UT	KUTV	370
Oakland, CA	KTVU	399

Of these only KCBS, Los Angeles is of a distant that required a detailed examination. Exhibit 4 shows that there is no overlap between the regulatory (protected) contours of KPVT-LD and KCBS, and the use of virtual channel 02 by KCBS does not preclude its use in Las Vegas.

Conclusion and Request

As the virtual channel selections specified in Annex B are all unavailable the assignment of Ch 02 is requested.

Respectfully submitted,



B. W. St. Clair
Engineering Consultant
Nov 25, 2015

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Las

Vegas

45+ Local Digital Las Vegas TV Channels

Las Vegas, Henderson, North Las Vegas, Summerlin

[3.1 KVBC/NBC, HD Las Vegas, NV](#)

[3.2 Estrella TV](#)

[3.3 GeTV Sony Movies](#)

[5.1 KVVU/FOX, HD Las Vegas, NV](#)

[5.2 Weather](#)

[5.3 Escape TV](#)

[8.1 KLAS/CBS, HD Las Vegas, NV](#)

[8.2 METV](#)

[8.3 Movies \(FOX\)](#)

[10.1 KLVX/PBS HD Vegas PBS](#)

[10.2 Create](#)

[10.3 KLVX/PBS Latino](#)

[13.1 KTNV/ABC HD Las Vegas, NV](#)

[13.2 LAFF TV Comedy](#)

[13.3 Heroes & Icons](#)

[15.1 KINC/Univision, HD Las Vegas, NV](#)

[15.2 Telefutura](#)

[15.3](#)

[17.1 KEEN-CA KEEN 17 Las Vegas, NV](#)

[18.1 KHMP temporary closed](#)

[19.1 KHDF-CA Azteca America Las Vegas, NV](#)

[21.1 CoZi TV](#)

[21.2 Antenna TV](#)

[27.1 KELV-LP Telefutura Las Vegas, NV](#)

[30.1 KEGS-LP Las Vegas, NV](#)

[30.2 KEGS-LP Las Vegas, NV](#)

[31.1 Coming Soon KNBX-CA Las Vegas, NV](#)

[31.2 Keen 17](#)

[31.4 HOT TV, Black and White Shows](#)

[34.1 KMCC HD MundoMax Las Vegas, NV](#)

[34.2 The Cool Tv Music Video](#)

33.1 KVCW, The CW HD Las Vegas, NV

33.2 KVMY HD / My Network TV,

33.3 THIS, MGM Movies

39.1 KBLR HD Telemundo 39 Las Vegas, NV

39.2 Exitos

39.3 ION Television

41.1 K41IO-D Enlace TBN Las Vegas, NV

43.1 3ABN, K43FO, Las Vegas, NV

43.2 3ABN

43.3 3ABN

43.4 3ABN Latino

43.5 3ABN Radio

43.6 3ABN Radio

43.7 3ABN Radio

47.1 KGNG/HSN, Las Vegas, NV

47.2 Micasa

47.3 Bounce TV

47.4 Retro Television Network,

47.5 Movies+

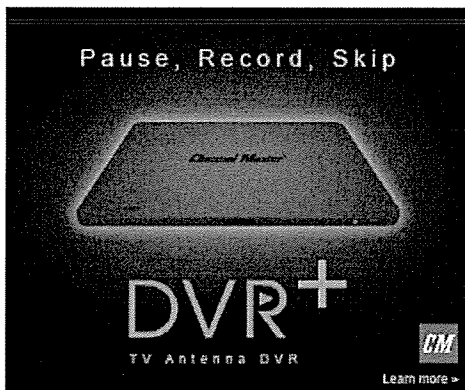
47.7 PBJ Children Shows

47.8 Keen

50.1 KLSV-LD Jewelry TV, Las Vegas, NV

50.3 Infomercials

Channel Master DVR



Kudzu Reviews



Wow! The Best!



Thank you so much for saving me tons of money \$\$\$ and rescuing me from my cable bill! Steve and Bill came in the rain and were the best professional...

I AM ONE HAPPY



CUSTOMER

Thank you, MR. ANTENNA (STEVE) & (BILLY) I am so HAPPY with the service I received! YOU guys did an awesome job!

My TV channels on ALL 4 TV'S are...

Bye Bye Cox!



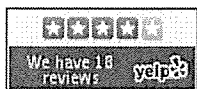
Impeccable, fast installation. Be prepared for courteous, professional interaction with Karlo. Bonus: he listens and explains! Any negative reviews...

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Yelp Reviews



Testimonials

"No Brainer cost Cutting Option, and I get 40 Channels"

<< *Jose', Las Vegas, NV*

Mr. Antenna was suggested to us by a friend, we were skeptical at first, but after the seamless install and setup we now receive over...

<< *Rob L. Henderson, NV*

Late this Fall I had Mr. Antenna install an outdoor antenna on our condo roof. I finally made the plunge after nearly two years...

<< *Rick D. Henderson, NV*

"Excellent same day service and wonderful follow up. Three cheers for Mr. Antenna in Las Vegas."

<< *L.a. J. Las Vegas, NV*

They installed a small unobtrusive antenna, connected it to the cable wiring in my house and now I receive 60+ channels OTA. The hi def...

<< *LV Happy Las Vegas, NV*

Angies List Reviews



angieslist.com/review/6309882

Mr. Antenna Videos

Facebook Activity

Unable to fetch the feed

Error :

- A feed could not be found at <http://www.facebook.com/feeds/page.php?id=1394849877501089&format=rss20>. A feed with an invalid mime type may fall victim to this error, or SimplePie was unable to auto-discover it.. Use `force_feed()` if you are certain this URL is a real feed.

RSS Feed currently unavailable.

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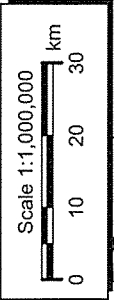
**EXHIBIT 2
REGULATORY CONTOURS
51 dBμ**

KPVT-LD (RED)

KELV-LD (Blue)

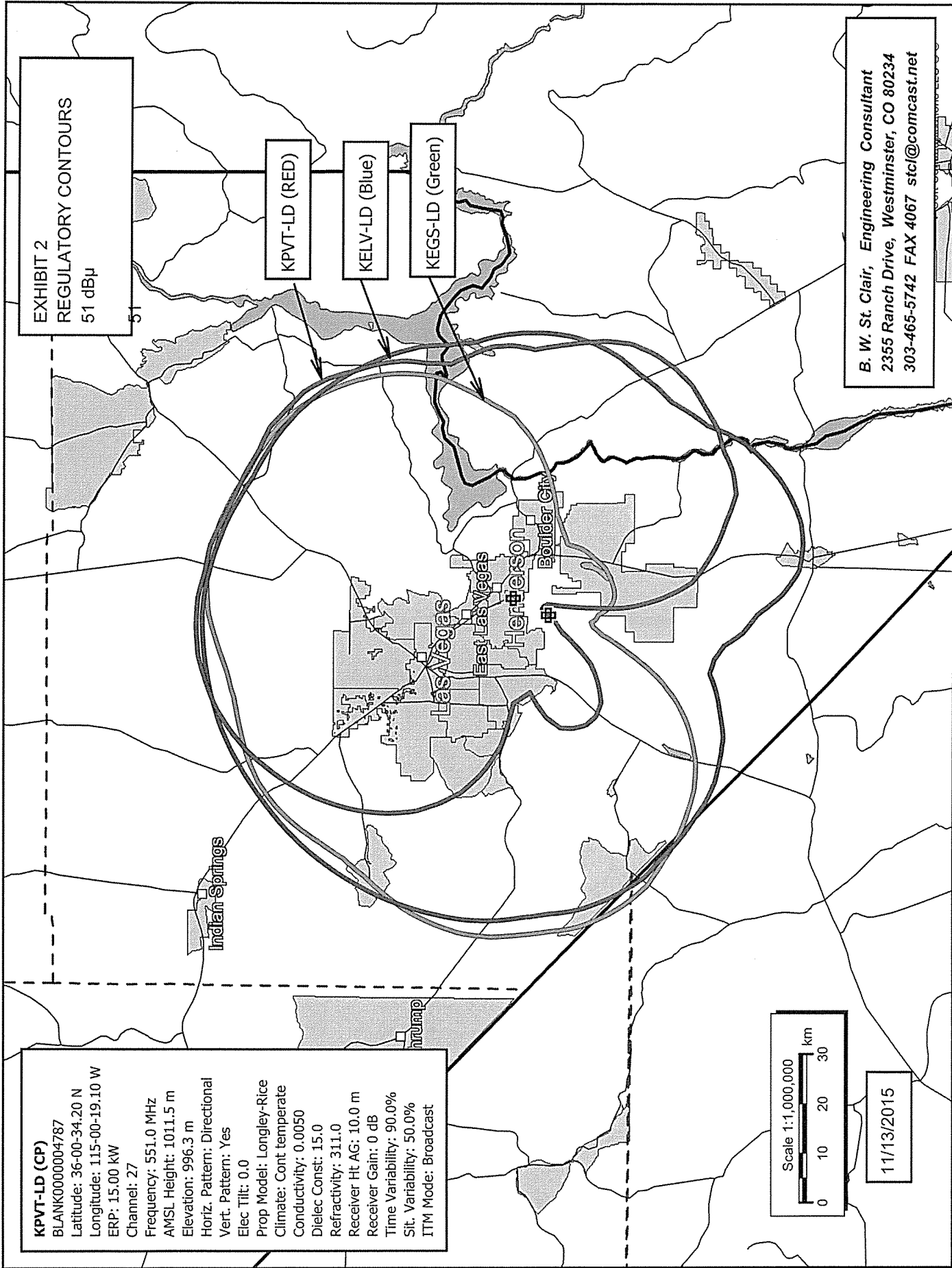
KEGS-LD (Green)

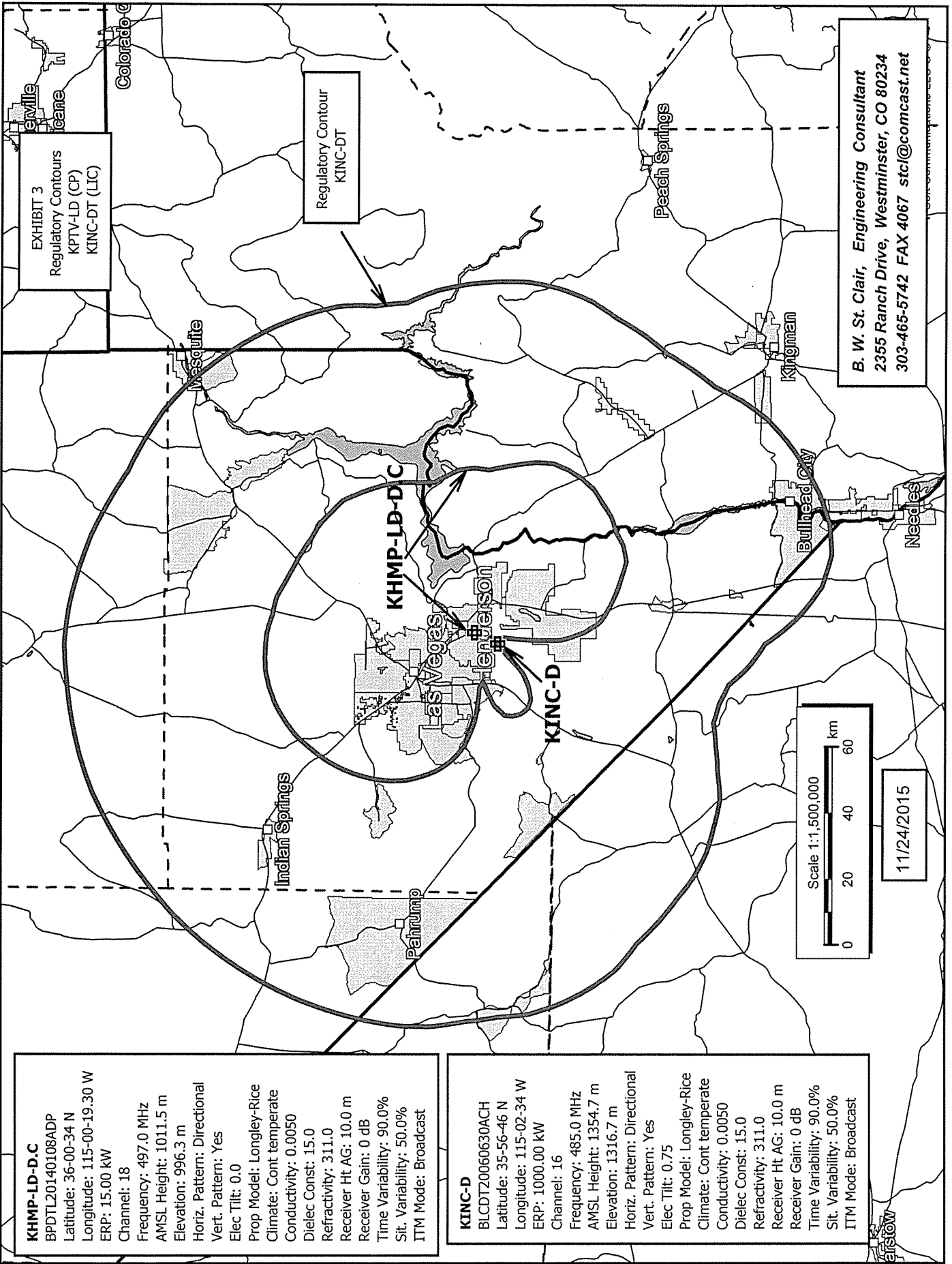
KPVT-LD (CP)
 BLANK000004787
 Latitude: 36-00-34.20 N
 Longitude: 115-00-19.10 W
 ERP: 15.00 kW
 Channel: 27
 Frequency: 551.0 MHz
 AMSL Height: 1011.5 m
 Elevation: 996.3 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.0
 Prop Model: Longley-Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 311.0
 Receiver Ht: AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 90.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast



11/13/2015

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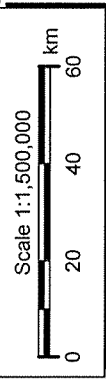
KHMP-LD-D-C
 BPDTL20140108ADP
 Latitude: 36-00-34 N
 Longitude: 115-00-19.30 W
 ERP: 15.00 kW
 Channel: 18
 Frequency: 497.0 MHz
 AMSL Height: 1011.5 m
 Elevation: 996.3 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.0
 Prop Model: Longley-Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 311.0
 Receiver Ht AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 90.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast

KINC-D
 BLCDT20060630ACH
 Latitude: 35-56-46 N
 Longitude: 115-02-34 W
 ERP: 1000.00 kW
 Channel: 16
 Frequency: 485.0 MHz
 AMSL Height: 1354.7 m
 Elevation: 1316.7 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.75
 Prop Model: Longley-Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 311.0
 Receiver Ht AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 90.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast

EXHIBIT 3
 Regulatory Contours
 KPTV-LD (CP)
 KINC-DT (LIC)

Regulatory Contour
 KINC-DT

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11/24/2015

KPVT-LD-D-C

BDCCDTL20131212AVM
Latitude: 35-57-21 N
Longitude: 115-29-42 W
ERP: 15.00 kW
Channel: 27
Frequency: 551.0 MHz
AMSL Height: 2526.0 m
Elevation: 2518.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: Longley-Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 90.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

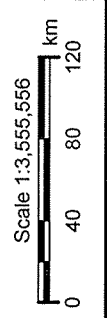
KCBS-TV-D

BLCDT20090612A1Q
Latitude: 34-13-38 N
Longitude: 118-04-00 W
ERP: 540.00 kW
Channel: 43
Frequency: 647.0 MHz
AMSL Height: 1844.0 m
Elevation: 1741.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 1.7
Mech Tilt: 1.0
Tilt Azi: 217.0
Prop Model: Longley-Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 311.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 90.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

EXHIBIT 4

Regulatory Contours:
KPTV-LD, Las Vegas, NV
KCBS-DT, Los Angeles, CA

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11/24/2015

