



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

**DIGITAL TELEVISION
TRANSLATOR POST
TRANSITION CHANNEL
DISPLACEMENT
RELIEF APPLICATION
FOR KJHP-LP FACILITY
ID 130845**

Morongo Valley, CA

Prepared For:

San Bernardino Community
College District
701 South Mt. Vernon Ave
San Bernardino, CA 92410

Prepared By:

Ryan Wilhour
Consulting Engineer
Kessler and Gehman Associates
507 NW 60th Street, Suite D
Gainesville, FL 32607-2055
352-332-3157 Extension 3
ryan@kesslerandgehman.com
www.kesslerandgehman.com

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1.0 MINOR MODIFICATION CHANNEL DISPLACEMENT RELIEF ELIGIBILITY

San Bernardino Community College District (“*SBCCD*”) is the licensee of a digital Low Power Television Station (“*LPTV*”) having call sign KJHP-LP, Facility ID 130845. KJHP-LP is licensed¹ to operate on channel 18 with an ERP of 1KW through a directional antenna using a stringent Emission Mask.

Translator or LPTV stations which receive more than 2% new interference in aggregate or cause more than 0.5% new interference to the interference-free population of a full power or Class A station, are eligible for channel displacement relief². Appendix A is a study generated by TVStudy v2.2.5 which demonstrates that the licensed KJHP-LP facility causes 71.23% prohibited interference to the post-transition repacked station KPSP-CD and receives 96.94% new aggregate interference from nearby stations. KJHP-LP is thus clearly eligible to file for channel displacement relief in the April 10, 2018 through June 1, 2018 post-incentive auction special displacement window and this is the purpose of the instant application.

Pursuant to 47 CFR Section 74.787(b) the instant application is considered a “minor” change because:

- The change in frequency is related to displacement relief as outlined above.
- There is no change in transmitting antenna location such that the protected contour resulting from the change does not overlap some portion of the protected contour of the authorized facilities of the existing station as illustrated in Appendix E.

¹ FCC File No.: BLDTL-20131106AUL, KJHP-LP was licensed prior to April 13, 2017, and it therefore satisfies the eligibility criteria for an ‘operating’ station.

² See *Incentive Auction Task Force and Media Bureau Announce Post-incentive Auction Special Displacement Window April 10, 2018, Through May 15, 2018, and Make Location and Channel Data Available*, Public Notice, DA/FCC: DA-18-124 Released On: Feb 9, 2018, Section II, Paragraph 9 using a 2x2 km cell.

- There is no change in transmitting antenna location greater than 30 miles (48km) from the reference coordinates of the existing station's antenna location.

2.0 STATION TRANSMITTER LOCATION AND ELEVATION

It is proposed to keep KJHP-LP at its licensed location on an existing tower which does not have an FAA determination of no hazard to air navigation or an FCC Antenna Structure Registration (“ASR”) number. Appendix B are the results of an FCC TOWAIR determination which indicates that the existing structure is not required to file for an FAA determination of no hazard to air navigation and is thus also exempt from FCC ASR filing. The instant application does not propose to increase or modify the existing support structure.

3.0 ALLOCATION ANALYSIS

Appendix D are the summarized results from TVStudy V2.2.5. As indicated the proposed facility is predicted to receive 2.13% aggregate inbound interference to which is acceptable to SBCCD.

4.0 AM STATION PROXIMITY

AM Stations KPSF and KXPS are located within 3.2 km of the proposed facility. Pursuant to 47 C.F.R. Section 1.30002(e), the construction or extension of an antenna-supporting structure shall be considered subject to the moment method analysis and prior notification requirement; however, the instant application does not propose to extend the existing structure or build a new structure. Thus, the proposed facility is exempt from further AM analysis consideration.

5.0 INTERNATIONAL COORDINATION

The KJHP-LP transmitter site is 140.9 km from the Mexican border and will require coordination with the Mexican authorities.

6.0 RADIO FREQUENCY RADIATION COMPLIANCE

A theoretical analysis has been conducted of the human exposure to radio frequency radiation (“RFR”) using the calculation methodology described in OET Bulletin 65, Edition 97-01. The RFR analysis is conducted pursuant to the following methodology:

Terrain³ extraction is compiled from the proposed tower site to radial lengths of 0.25 miles in 0.001 mile increments for 360 radials. The power density is calculated for each terrain point at 6 feet above ground level using the elevation and azimuth pattern of the proposed broadcast antenna. The power density calculations are conducted using the lower edge of the proposed channel frequency. To account for ground reflections, a coefficient of 1.6 was included in the calculation.

The resulting cylindrical polar analysis is then summarized into a coordinate plane graph using the following methodology:

Starting from the origin the maximum calculated RFR value is determined among the 360 degree radials for each 0.001 mile increment, the value is then converted into a percentage of the maximum allowable general population or uncontrolled exposure and plotted as a function of perpendicular distance from the tower.

The resulting RFR study in Appendix F demonstrates that the peak exposure is 4.65% of the most restrictive permissible exposure threshold. Pursuant to OET Bulletin 65 concerning multiple-user transmitter sites only those licensees whose transmitters produce power density levels greater than 5.0% of the exposure limit are considered significant contributors to RFR. Since the proposed operation is within 5% of the most permissible exposure at any location 2 meters above the

³ Terrain extraction is based upon a 3 arc second point spacing terrain database.

ground, it is not considered a significant contributor to RFR exposure. Thus, contributions to exposure from other RF sources in the vicinity of the proposed facility were not taken into account. The instant application is compliant with the FCC limits for human exposure to RF radiation and is excluded from further environmental processing since no changes are proposed to the tower structure in order to accommodate the proposed antenna.

A chain link fence encloses the support structure and the applicant will cooperate with any other users of the tower by reducing the power to the antenna or if necessary completely cutting it off to protect maintenance workers on the tower.

7.0 CERTIFICATION

The foregoing statement and the report regarding the engineering work are true and correct to the best of my knowledge. Executed May 31, 2018.

Kessler and Gehman Associates, Inc.



Ryan Wilhour
Consulting Engineer

KJHP-LP – Post Transition Channel Displacement Relief

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APPENDIX A – TVStudy v2.2.5 Channel Displacement Study

Study created: 2018.03.29 08:38:11

Study build station data: LMS TV 2018-03-28

Proposal: KJHP-LP D18 LD LIC MORONGO VALLEY, CA
File number: BLDTL20131106AUL
Facility ID: 130845
Station data: LMS TV 2018-03-28
Record ID: 046989cf6cb647f69175cf6212b6c0ea
Country: U.S.

Build options:

Protect baseline records from LPTV

Search options:

Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K14JT	N14	TX	LIC	JOSHUA TREE, ETC., CA	BLTVL19980330JH	49.8 km
No	KUNA-LP	N15-	TX	LIC	INDIO, CA	BLTTL20031124AQH	20.4
No	K15CA	N15+	TX	LIC	LUCERNE VALLEY, CA	BLTT19880307IE	78.1
No	K15FC-D	N15+	TX	LIC	twentynine palms, CA	BLTT20080902AEC	32.1
No	NEW	D17	LD	APP	BLYTHE, CA	BNPDTL20100514ACW	155.9
No	NEW	D17	LD	APP	HOLTVILLE, CA	BNPDTL20100510AAC	162.2
No	K17KD	N17	TX	LIC	LUCERNE VALLEY, CA	BLTT20120112AFA	78.1
Yes	KODG-LD	D17	LD	LIC	PALM SPRINGS, CA	BLANK0000022353	19.0
Yes	KODG-LD	N17z	TX	LIC	PALM SPRINGS, CA	BLTTL20001219ABP	20.5
No	KRPE-LP	D17	LD	CP	SAN DIEGO, CA	BLANK0000022336	107.5
No	KNSD	D17	DT	CP	SAN DIEGO, CA	BLANK0000042429	138.0
No	KNSD	D17	DT	BL	SAN DIEGO, CA	DTVBL35277	138.0
No	K17GJ-D	D17	LD	LIC	Twentynine Palms, CA	BLANK0000004553	49.9
No	K17GJ-D	N17-	TX	LIC	Twentynine Palms, CA	BLTT20080902AED	32.1
No	K18CB-D	D18	LD	LIC	BULLHEAD CITY, AZ	BLDTT20140604ABM	218.0
No	K41FT-D	D18	LD	APP	KINGMAN, AZ	BLANK0000040077	268.2
No	K18JL-D	D18	LD	CP	PHOENIX, AZ	BLANK0000024588	408.5
No	K18LD-D	D18	LD	CP	ROLL, AZ	BNPDTL20100510AAP	293.3
No	NEW	D18	LD	APP	SALOME, AZ	BNPDTL20100514AEP	275.5
No	K18HD-D	D18	LD	LIC	BAKERSFIELD, CA	BLDTL20130128ACY	273.9
Yes	KPSP-CD	D18	DC	CP	CATHEDRAL CITY, CA	BLANK0000034073	0.1
Yes	KPSP-CD	D18	DC	BL	CATHEDRAL CITY, CA	DTVBL10535	0.0
No	K18IM-D	D18	LD	LIC	Daggett, CA	BLANK0000004601	121.0
Yes	K18LI-D	D18	LD	CP	INDIO, CA	BMJADTL20100520ADG	47.3
Yes	KSCI	D18	DT	CP	LONG BEACH, CA	BLANK0000035764	154.9

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No	KSCI	D18	DD	APP	LONG BEACH, CA	BLANK0000036118	154.9
Yes	KSCI	D18	DT	LIC	LONG BEACH, CA	BMLCDT20140206ACV	154.9
No	K18LE-D	D18	LD	CP	NEWBERRY SPRINGS, CA	BDCCDTT20120105ABN	121.0
Yes	KUSI-TV	D18	DT	LIC	SAN DIEGO, CA	BLANK0000005158	137.9
No	KFAZ-CA	D18	DC	LIC	VISALIA, CA	BLANK0000001548	411.4
No	KHMP-LD	D18	LD	LIC	LAS VEGAS, NV	BLANK0000010687	271.5
No	K18IP-D	D18	LD	LIC	VERTON, NV	BLDTT20100324ABL	358.3
No	KMOH-TV	D19	DT	LIC	KINGMAN, AZ	BLCDT20060707ABK	229.6
No	NEW	D19	LD	APP	DESERT CENTER, CA	BNPDTL20100514ADD	177.0
No	NEW	D19	LD	APP	HOLTVILLE, CA	BNPDTL20100510AAD	162.2
No	K19BT	N19-	TX	LIC	LUCERNE VALLEY, CA	BLTT19880307ID	78.1
Yes	KPBS	D19	DT	CP	SAN DIEGO, CA	BLANK0000027963	137.9
Yes	KPBS	D19	DT	BL	SAN DIEGO, CA	DTVBL6124	137.9
No	K19KK-D	D19	LD	CP	WHITE WATER, CA	BNPDTL20100514ACF	28.1
No	KDUG-LD	N21+	TX	LIC	HEMET, CA	BLTTL20080813ABI	76.4
No	K21GI	N21+	TX	LIC	MORONGO VALLEY, CA	BLTT20050516AUD	24.5
No	K21AC	N21	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IG	114.1
No	K25GK	N25+	TX	LIC	JOSHUA TREE, CA	BLTT20000605AOK	49.9
No	KBLM-LP	N25+	TX	LIC	RIVERSIDE AND PERRIS, CA	BLTTL20081209ABP	78.9
No	K25AD	N25	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IE	114.1
No	XHENJ	D17	DT	LIC	ENSENADA, BN	BLANKBPFS20160301ABK	222.3
No	XHCTME	D17	DT	LIC	MEXICALI, BN	BLANKBPFS20160524AAV	168.0
No	XHMEX	D18	DT	LIC	MEXICALI, BN	BLANKBPFS20160302ABR	164.5

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

KPSF 1200 L DA2 D CATHEDRAL CITY, CA BMML20120312ADG
KPSF 1200 L DA2 N CATHEDRAL CITY, CA BMML20120312ADG
KXPS 1010 L DA2 D THOUSAND PALMS, CA BMML20130320AFG
KXPS 1010 L DA2 N THOUSAND PALMS, CA BMML20130320AFG

Record parameters as studied:

Channel: D18

Mask: Stringent

Latitude: 33 51 56.00 N (NAD83)

Longitude: 116 26 1.00 W

Height AMSL: 479.6 m (Adjusted based on actual ground elevation calculation)

HAAT: 0.0 m

Peak ERP: 1.00 kW

Antenna: DIE-TUA-C2-02/04L-T (ID 100262) 155.0 deg

Elev Pattn: Generic

Elec Tilt: 0.75

49.1 dBu contour:

Azimuth ERP HAAT Distance

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0.0 deg	0.000 kW	-76.3 m	2.8 km
45.0	0.024	-223.7	7.4
90.0	0.724	181.8	35.2
135.0	0.567	412.1	44.4
180.0	0.636	346.8	42.7
225.0	0.659	337.5	42.5
270.0	0.012	206.0	15.8
315.0	0.000	203.3	7.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 173 m

Distance to Canadian border: 1682.2 km

**Proposal is within coordination distance of Mexican border

Distance to Mexican border: 140.9 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 313.3 degrees Distance: 643.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 51.7 degrees Distance: 1210.1 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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%

**IX check failure to BLANK0000034073 CP scenario 1, 71.23% interference caused

**IX check failure to BLANK0000034073 CP scenario 2, 71.26% interference caused

**IX check failure to BLANK0000034073 CP scenario 3, 71.23% interference caused

**IX check failure to DTVBL10535 BL scenario 1, 94.54% interference caused

**IX check failure to DTVBL10535 BL scenario 2, 94.54% interference caused

**IX check failure to DTVBL10535 BL scenario 3, 94.54% interference caused

---- Below is IX received by proposal BLDL20131106AUL ----

Proposal receives 96.94% interference from scenario 1

**MX with BLANK0000036118 APP scenario 2, 96.94% interference received

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Proposal receives 96.94% interference from scenario 3

Proposal receives 96.93% interference from scenario 4

**MX with BLANK0000036118 APP scenario 5, 96.93% interference received

Proposal receives 96.93% interference from scenario 6

APPENDIX B – FCC TOWAIR Study

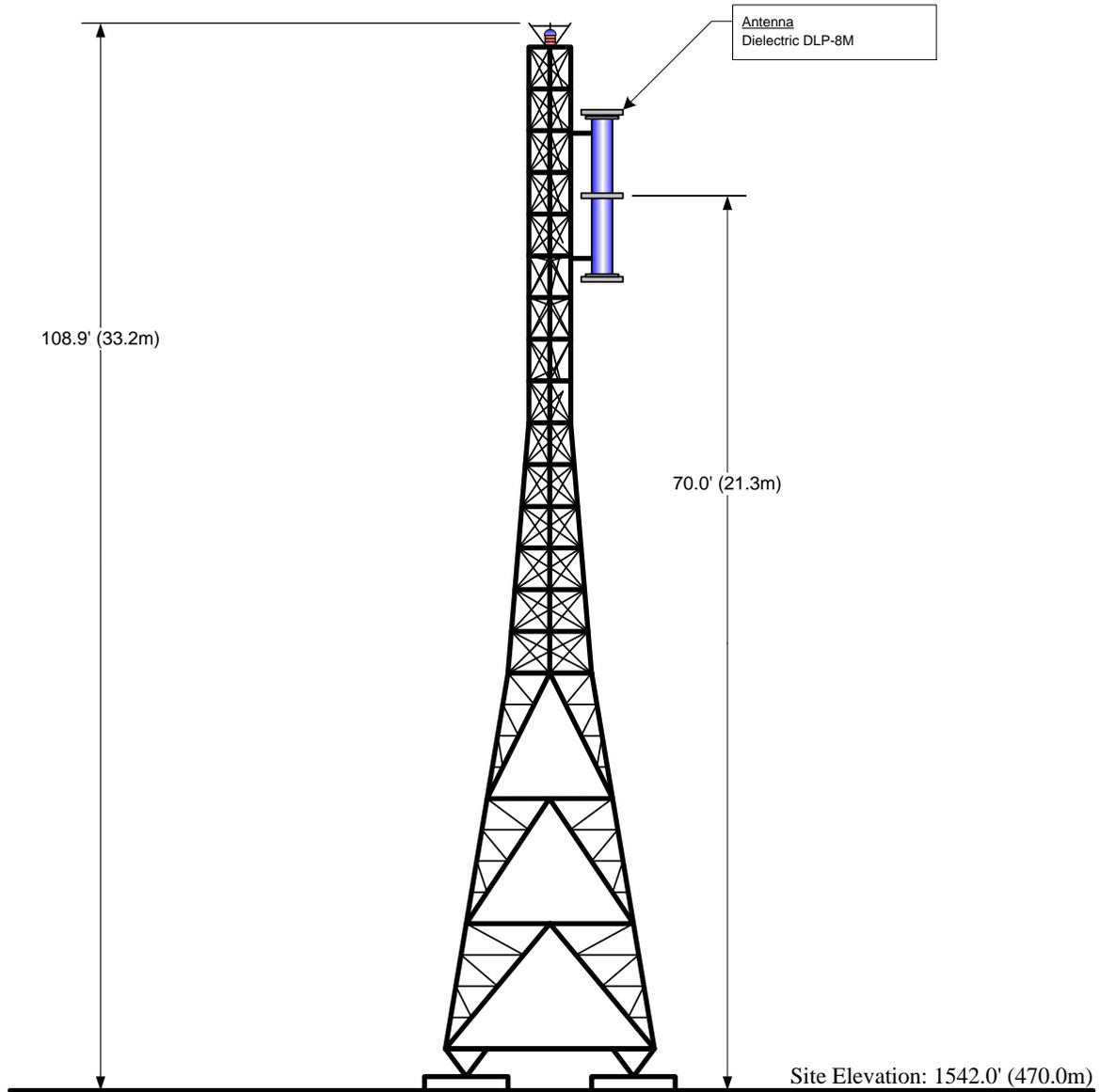
Antenna Structure Registration (ASR) filing determination was calculated from the FCC's structure registration tool:

<http://wireless2.fcc.gov/UlsApp/AsrSearch/towairSearch.jsp>

Results are as follows:

DETERMINATION Results							
PASS SLOPE(100:1): NO FAA REQ-RWY MORE THAN 10499 MTRS & 7677.60 MTRS (7.6776 KM) AWAY							
Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
AIRP	R	33-50-7.00N	116-30-35.00W	PALM SPRINGS INTL	RIVERSIDE PALM SPRINGS, CA	121.4	3048.0
PASS SLOPE(100:1): NO FAA REQ-RWY MORE THAN 10499 MTRS & 7883.65 MTRS (7.88370 KM) AWAY							
Type	C/R	Latitude	Longitude	Name	Address	Lowest Elevation (m)	Runway Length (m)
AIRP	R	33-50-26.00N	116-31-3.00W	PALM SPRINGS INTL	RIVERSIDE PALM SPRINGS, CA	121.4	3048.0
Your Specifications							
NAD83 Coordinates							
Latitude						33-51-56.7 north	
Longitude						116-26-01.2 west	
Measurements (Meters)							
Overall Structure Height (AGL)						33.2	
Support Structure Height (AGL)						33.2	
Site Elevation (AMSL)						470	
Structure Type							
LTOWER - Lattice Tower							

APPENDIX C – Tower Elevation Diagram



Antenna CRAGL:	21.3 m	NAD 83 Coordinates:	
Antenna CRAMSL:	491.3 m	N. Latitude:	33° 51' 56.7"
Antenna HAAT:	184.9 m	W. Longitude:	116° 26' 01.2"

NOTE: NOT TO SCALE

FCC Tower Registration Number:	N/A
FAA Study Number	N/A

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APPENDIX D – TVStudy V2.2.5 Allocation Analysis

Study created: 2018.05.31 10:02:26

Study build station data: LMS TV 2018-05-31

Proposal: KJHP-LP D22 LD LIC MORONGO VALLEY, CA
File number: KJHP-LP Channel 22
Facility ID: 130845
Station data: User record
Record ID: 3209
Country: U.S.

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	K14JT	N14	TX	LIC	JOSHUA TREE, ETC., CA	BLTVL19980330JH	49.8 km
No	K15BZ	N15-	TX	LIC	DAGGETT, CA	BLTT19880307IC	121.0
No	KUNA-LP	N15-	TX	LIC	INDIO, CA	BLTTL20031124AQH	20.4
No	K15CA	N15+	TX	LIC	LUCERNE VALLEY, CA	BLTT19880307IE	78.0
No	K15FC-D	N15+	TX	LIC	twentynine palms, CA	BLTT20080902AEC	32.1
No	K19BT	N19-	TX	LIC	LUCERNE VALLEY, CA	BLTT19880307ID	78.0
No	K21MH-D	D21	LD	LIC	Daggett, CA	BLANK000004555	121.0
No	KDUG-LD	D21	LD	LIC	HEMET, CA	BLANK0000021878	93.4
No	KDUG-LD	D21	LD	CP	HEMET, CA	BLANK0000022198	107.5
No	KDUG-LD	N21+	TX	LIC	HEMET, CA	BLTTL20080813ABI	76.4
Yes	K21GI	D21	LD	CP	MORONGO VALLEY, CA	BDFCDTT20120109ACZ	24.4
No	K21GI	N21+	TX	LIC	MORONGO VALLEY, CA	BLTT20050516AUD	24.4
Yes	K21DO-D	D21	DC	LIC	PALM SPRINGS, CA	BLDTA20150209ABF	0.2
No	K21MO-D	D21	LD	CP	RIVERSIDE, CA	BNPDTL20090825AAL	29.2
No	K21AC	N21	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IG	114.1
No	NEW	D21	LD	APP	LUFKIN, TX	BMJADTL20100517AAU	155.9
No	KNAZ-TV	D22	DT	LIC	FLAGSTAFF, AZ	BLCDT20091210AAC	467.9
No	K22LA-D	D22	LD	CP	GOLDEN VALLEY, AZ	BNPDTL20100510ADZ	257.2
No	K38IR-D	D22	LD	APP	LAKE HAVASU CITY, AZ	BLANK0000053727	206.5
No	KPDF-CA	D22	DC	CP	PHOENIX, AZ	BLANK0000034612	408.9
No	KTVF-LD	D22	LD	LIC	PHOENIX, AZ	BLDTL20140813AAG	408.5
No	NEW	D22	LD	APP	BAKERSFIELD, CA	BNPDTL20090825APG	279.3
No	NEW	D22	LD	APP	BAKERSFIELD, CA	BNPDTL20090825ANW	286.5
No	NEW	D22	LD	APP	BAKERSFIELD, CA	BNPDTL20090825BUB	264.6
Yes	KVYE	D22	DT	LIC	EL CENTRO, CA	BLCDT20070604ABN	174.3
No	K49AA-D	D22	LD	APP	INYOKERN, ETC, CA	BLANK0000054374	212.7
No	KHTV-CD	D22	DC	CP	LOS ANGELES, CA	BLANK0000027749	154.9
No	KMRZ-LD	D22	LD	LIC	LOS ANGELES, CA	BLANK0000029037	156.3
No	KHTV-CD	D22	DC	APP	LOS ANGELES, CA	BLANK0000034687	154.9
No	K12QV	D22+	LD	APP	SAN BERNARDINO, CA	BLANK0000054552	92.1
No	K22LM-D	D22	LD	CP	SANTA MARIA, CA	BDCCDTT20120725AAE	332.3
No	KNXT	D22	DT	CP	VISALIA, CA	BLANK0000028226	346.8
No	KSNV	D22	DT	LIC	LAS VEGAS, NV	BLCDT20090220ABX	271.2
No	K22DR	D22	LD	CP	LAUGHLIN, NV	BLANK0000054516	218.1
No	K22DR	N22	TX	LIC	LAUGHLIN, NV	BLTT19911118JJ	218.1
No	K23BP	N23z	TX	LIC	DAGGETT, ETC., CA	BLTT19880307IB	121.0
No	K23MX-D	D23	LD	CP	DESERT CENTER, CA	BNPDTL20100514ACS	111.4
No	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA	BLDTL20110425ACA	155.6
No	KSMV-LD	D23	LD	CP	LOS ANGELES, CA	BPDTL20130515ACU	155.6
No	K41CB	D23z	LD	APP	LUCERNE VALLEY, CA	BLANK0000054648	78.0
No	K23ML-D	D23	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000011282	121.0
Yes	KVMD	D23	DD	APP	TWENTYNINE PALMS, CA	BPCDT20100325ACD	47.0
Yes	KVMD	D23	DT	LIC	TWENTYNINE PALMS, CA	BLCDT20060615AAB	39.9
No	K25GK	N25+	TX	LIC	JOSHUA TREE, CA	BLTT20000605AOK	49.9
No	KBLM-LP	N25+	TX	LIC	RIVERSIDE AND PERRIS, CA	BLTTL20081209ABP	78.9
No	K25AD	N25	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IE	114.1

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No	K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	49.9
No	KVKV-LP	N29+	TX	LIC	VICTORVILLE, CA	BLTTL20080725ACX	114.5
No	K30GU	N30	TX	LIC	MORONGO VALLEY, CA	BLTT20021211AAS	24.4
No	XHDTV	D21	DT	LIC	TECATE, BN	BLANKBPFS20160302ACX	173.9
No	XHSFE	D22	DT	LIC	SAN FELIPE, BN	BLANKBPFS20160302ACU	349.7
No	XHUAA	D22	DT	LIC	TIJUANA, BN	BLANKBPFS20100517ADE	161.8
No	XHPDT	D22	DT	LIC	PUERTO PENASCO, SO	BLANKBPFS20160315ABI	392.9
No	XHS	D23	DT	LIC	ENSENADA, BN	BLANKBPFS20160301ABN	222.3
No	XETV	D23	DT	LIC	TIJUANA, BN	BLANKBPFS9764XXX	161.8

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

KPSF 1200 L DA2 D CATHEDRAL CITY, CA BMML20120312ADG
KPSF 1200 L DA2 N CATHEDRAL CITY, CA BMML20120312ADG
KXPS 1010 L DA2 D THOUSAND PALMS, CA BMML20130320AFG
KXPS 1010 L DA2 N THOUSAND PALMS, CA BMML20130320AFG

Record parameters as studied:

Channel: D22
Mask: Full Service
Latitude: 33 51 56.70 N (NAD83)
Longitude: 116 26 1.20 W
Height AMSL: 491.3 m
HAAT: 184.9 m
Peak ERP: 15.0 kW
Antenna: Dielectric DLP-8M 270.0 deg
Elev Pattn: Generic
Elec Tilt: 1.50

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	9.60 kW	-65.4 m	28.8 km
45.0	1.15	-213.1	19.0
90.0	2.25	192.0	41.2
135.0	1.15	423.5	48.4
180.0	9.60	359.1	57.8
225.0	14.9	349.4	59.7
270.0	12.1	219.0	51.5
315.0	14.9	214.7	52.3

Distance to Canadian border: 1682.2 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 140.9 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 313.3 degrees Distance: 643.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 51.7 degrees Distance: 1210.1 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%

---- Below is IX received by proposal KJHP-LP Channel 22 ----

**MX with BPCDT20100325ACD APP scenario 1, 2.03% interference received
**MX with BPCDT20100325ACD APP scenario 2, 2.02% interference received
Proposal receives 2.03% interference from scenario 3
Proposal receives 2.02% interference from scenario 4
**MX with scenario 5, 2.13% interference received

KJHP-LP – Post Transition Channel Displacement Relief

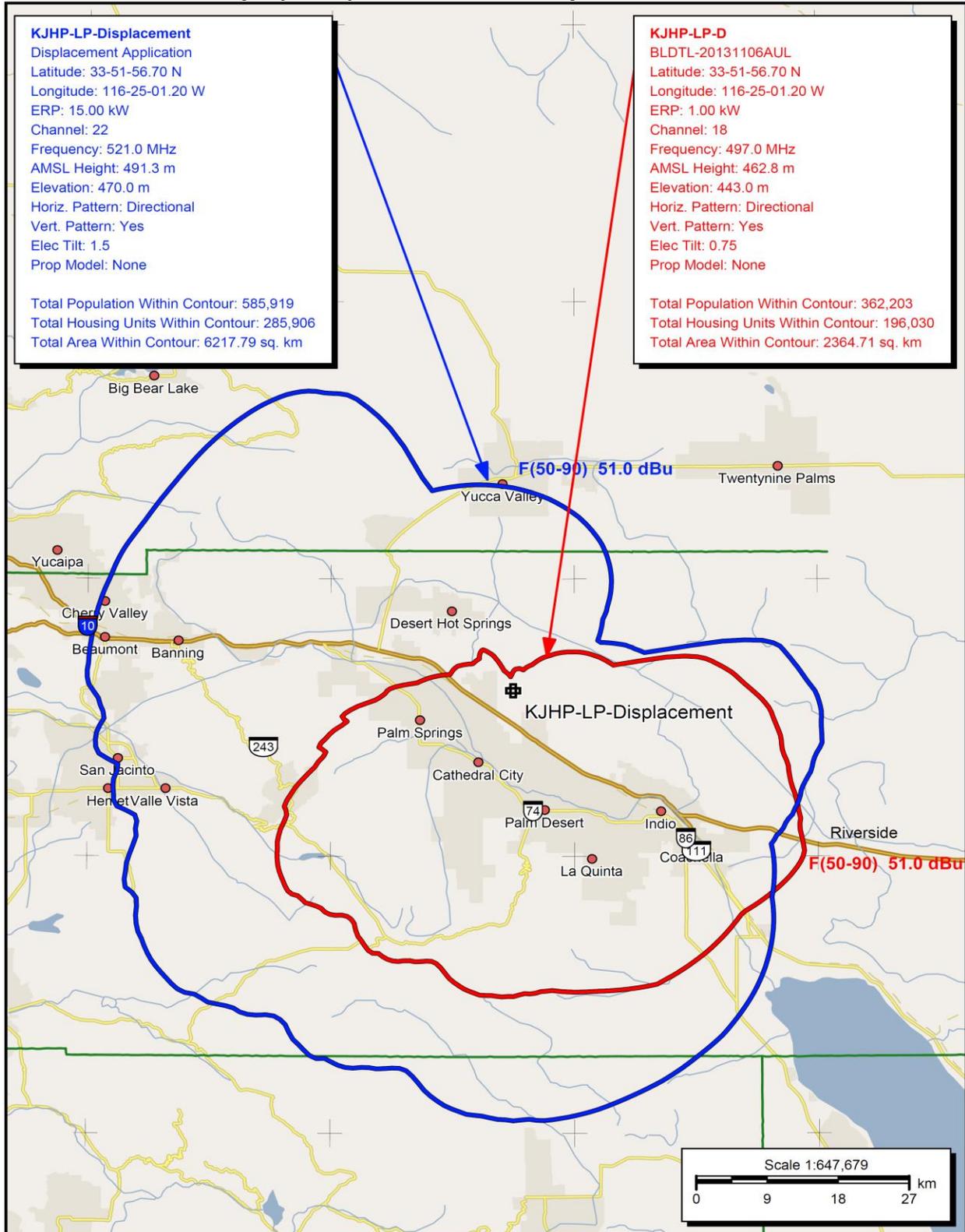
Morongo Valley, CA

**MX with scenario 6, 2.11% interference received
**MX with BLANK0000034687 APP scenario 7, 2.13% interference received
**MX with BLANK0000034687 APP scenario 8, 2.11% interference received

KJHP-LP – Post Transition Channel Displacement Relief

Morongo Valley, CA

APPENDIX E – 51dBμ F(50,90) Licensed and Proposed Contour



APPENDIX F – Far Field Exposure to RF Emissions

