

***COMPREHENSIVE TECHNICAL EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT***

**FM STATION KQAV(FM)
FM CHANNEL 228A
ROSAMOND, CALIFORNIA**

HIGH DESERT BROADCASTING LLC

JANUARY 2019

APPLICATION FOR CONSTRUCTION PERMIT

The following engineering statement and attached exhibits have been prepared for **High Desert Broadcasting LLC** ("High Desert"), licensee of FM broadcast station KQAV(FM) at Rosamond, California, and are in support of their application for construction permit to modify that facility.¹

KQAV is licensed to operate on FM channel 228A with an effective radiated power of 3 kW at a center of radiation of 63 meters above average terrain using a non-directional antenna.² The proposed facility would be located at a proposed new tower that does not require registration due to its height. At this location, the proposed facility would operate with a maximum effective radiated power of 6 kW at a center of radiation of 26.9 meters above average terrain. This elevation corresponds to a center of radiation of 769.6 meters above mean sea level, or 57.3 meters above ground level.³

The proposed facility would comply with the provisions of Section 73.203 of the Commission's Rules. Channel 228A is currently allocated to Rosamond, California. No change in the community of license, channel, or station class is proposed under this application.

The proposed facility would comply with the community coverage requirements of Section 73.315 of the Commission's Rules. Exhibit E-1 illustrates the predicted 70 and 60 dBu service contours by the Commission's standard method. As this map indicates, the 70 dBu service

¹ The Facility ID for KQAV(FM) at Rosamond, California is 70879.

² The FM database lists the licensed center of radiation at 878 meters AMSL and 101 meters AGL. See FCC File No. BLH-19930908KD.

³ Average terrain determined through an 8-radial sample of the NED 3-second linearly interpolated terrain database.

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contour encompasses substantially all of the community of Rosamond, CA. Specifically, the predicted 70 dBu service contour encompasses 17,838 persons of the total resident population of 18,150 persons. In terms of percentage, the predicted 70 dBu contour encompasses 98.3 percent of the resident population of the community.

The main studio for the facility complies with the provisions of Section 73.1125 of the Commission's Rules. The licensee has established toll-free telephone access to the studio for persons within the service area of KQAV. This toll-free access includes the boundaries of Rosamond, the community of license.

Exhibit E-2 is a single channel spacing study for the proposed facility. This study demonstrates that the proposed facility would meet spacing requirements under Section 73.207 to three of the facilities under consideration, and would be short-spaced under that section to four authorizations. Even though the proposed KQAV facility would be short spaced to four facilities, the absolute minimum spacing requirements under Section 73.215 would be met. As a result, processing pursuant to that section of the Commission's Rules is requested. The other facilities to which the proposed KQAV facility would be short-spaced are KDEY-FM at Ontario (Facility ID: 10099), KDAY at Redondo Beach (Facility ID: 10100), KCBS-FM at Los Angeles (Facility ID: 9612), and KXOS also at Los Angeles (Facility ID: 59987).

Exhibit E-3 provides a tabular interference study for the proposed facility. This tabular study demonstrates that normally prohibited contour overlap would exist between the proposed facility and KDEY-FM at Ontario, California, however, no prohibited contour overlap would exist between

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05.28.2015

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the proposed facility and any other facility.⁴ The parameters specified on the licenses for KDEY-FM and KQAV result in contour overlap between the two facilities. The proposed facility, however, would reduce slightly this level of grandfathered overlap that exists between the two facilities. Exhibit E-4 illustrates these small areas of overlap between KQAV and KDEY-FM. The current area of contour overlap is 4.26 square kilometers, while the proposed area of overlap would be 4.16 kilometers.

Exhibit E-5 provides an overview perspective of the overlap situation to the various facilities to which KQAV would be short spaced under Section 73.207. Exhibits E-6 through E-12 then drill down into areas where the KQAV contours closely approach those of other facilities. In this grouping, detail maps as well as contour tabulations over relevant arcs are included. On each of the detail maps, the relevant arcs are indicated by azimuth lines, with the associated tabulation spanning these limits.

The proposed facility would not constitute a significant environmental impact, and is exempt from environmental processing. A new structure would be constructed to support the proposed KQAV antenna. This structure does not involve any location specified in Section 1.1307(a)(1)-(7) of the Commission's Rules. Additionally, the proposed structure would not utilize high-intensity obstruction lighting, and will be designed to create the smallest visual impact as possible.

The facility will not constitute a radiofrequency radiation exposure hazard to persons in the vicinity of the tower. The proposed facility would utilize a two bay half-wavelength spaced ERI

⁴ Stations KDAY is authorized pursuant to Section 73.215. As a result, their actual parameters were utilized. The other short-spaced facilities were considered at reference height and power for their respective classes of operation.

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rototiller style antenna. *FM Model* predicts a maximum power density of $11.66 \mu\text{W}/\text{cm}^2$ at a distance of 113 meters from the tower base. This value complies with the uncontrolled/general population limits under the Commission's safety standard.

High Desert certifies that it will coordinate with all other users of the site to ensure that workers and other personnel are not exposed to levels of radiofrequency radiation in excess of the applicable safety standards. Such coordination will include, but is not necessarily limited to, a reduction in transmitter power or cessation of operation.

The proposed facility would comply with the multiple ownership provisions of Section 73.3555 of the Commission's Rules. KQAV is not considered home to either the Bakersfield or Los Angeles rated markets despite its proximity to both. As a result, a contour based analysis of the multiple ownership situation is warranted.

In January of 2017, the parent of the licensee submitted a multiple ownership study as part of the construction permit application for KGMX at Lancaster, California.⁵ There have been no changes in the content of that study that would render its conclusions inaccurate, namely, that the contour markets in which KQAV would be a constituent station comply with the provisions of Section 73.3555 of the Commission's Rules. This study has been attached to this application as a separate engineering exhibit to demonstrate this fact.

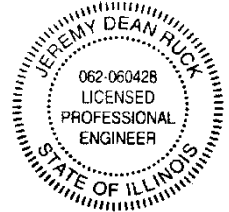
⁵ The Facility ID for KGMX at Lancaster, California is 19703.

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The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2019

Jeremy D. Ruck, PE
January 13, 2019

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KQAV.X

BLH19930908KD
Latitude: 34-49-39 N
Longitude: 118-11-05 W
ERP: 6.00 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 769.6 m
Elevation: 711.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

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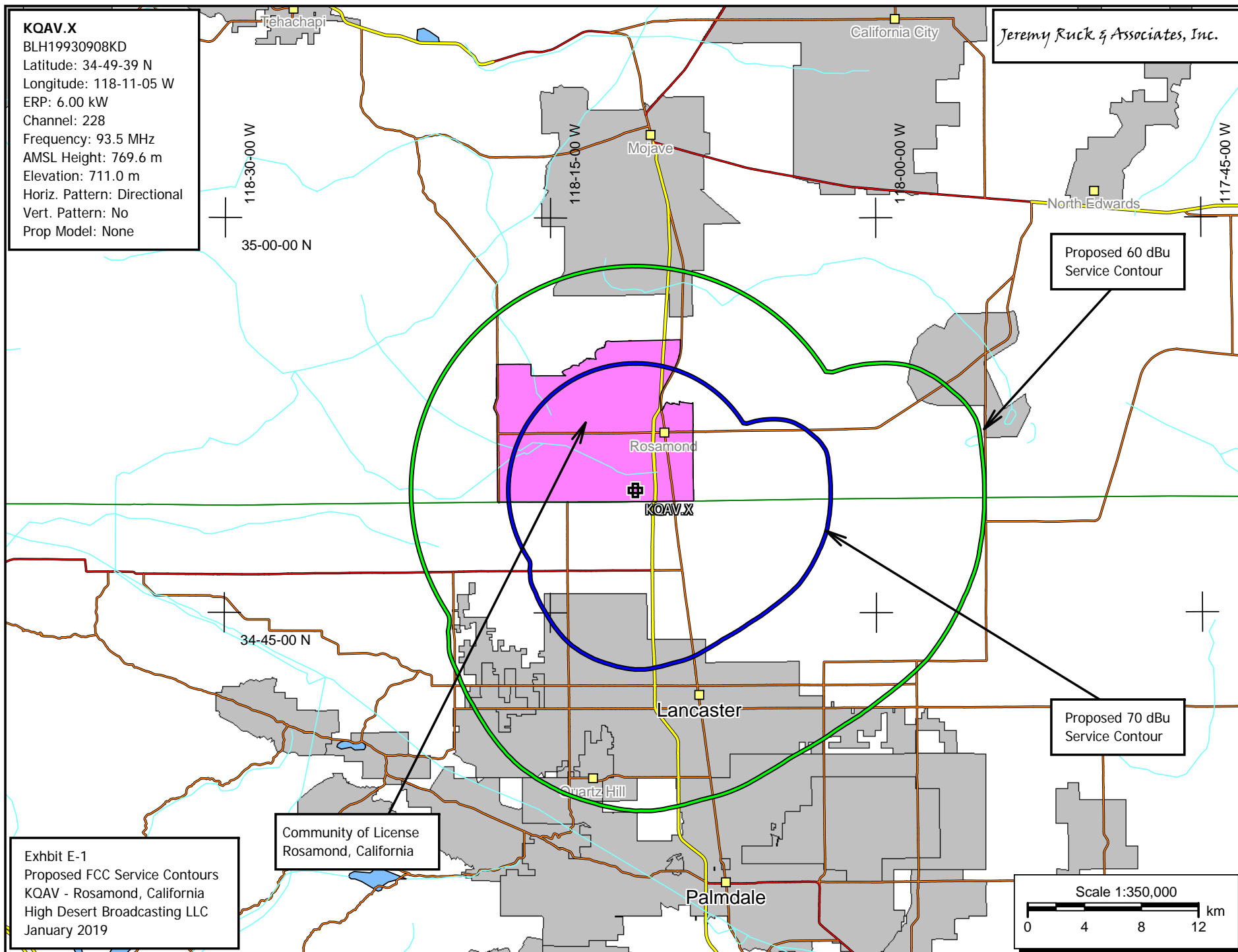
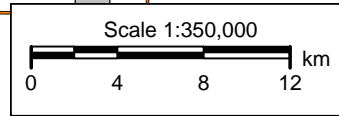


Exhibit E-1
Proposed FCC Service Contours
KQAV - Rosamond, California
High Desert Broadcasting LLC
January 2019

Community of License
Rosamond, California

Proposed 60 dBu
Service Contour

Proposed 70 dBu
Service Contour



Jeremy Ruck & Associates, Inc.
Consulting Engineers - Canton, Illinois
Exhibit E-2 - Single Channel Spacing Study
KQAV - Rosamond, California

REFERENCE		DISPLAY DATES
34 49 39.0 N.	CLASS = A Int = AA	DATA 01-13-19
118 11 05.0 W.	Current Spacings to 3rd Adj.	SEARCH 01-13-19
----- Channel 228 - 93.5 MHz -----		

Call	Channel	Location	Azi	Dist	FCC	Margin
KQAV	CP -Z 228A	Rosamond	CA 0.0	0.00	114.5	-114.5
KQAV	LIC-N 228A	Rosamond	CA 302.7	9.61	114.5	-104.9
KDEY-FM	LIC-D 228A	Ontario	CA 142.2	91.52	114.5	-23.0
KDAY	LIC-Z 228A	Redondo Beach	CA 190.1	92.65	114.5	-21.9
KCBS-FM	LIC 226B	Los Angeles	CA 171.1	66.87	68.5	-1.6
KXOS	LIC-D 230B	Los Angeles	CA 170.8	67.52	68.5	-1.0
KISV	LIC 231B	Bakersfield	CA 323.5	84.52	68.5	16.0
KZFX	LIC 229A	Ridgecrest	CA 27.7	99.83	71.5	28.3
KDB	LIC 229B	Santa Barbara	CA 254.0	142.56	112.5	30.1
DKNAC	VAC 228A	Earlimart	CA 320.3	153.29	114.5	38.8

Reference station has protected zone issue: Mexico
All separation margins include rounding

Jeremy Ruck & Associates, Inc.
Consulting Engineers - Canton, Illinois

Exhibit E-3 - Tabular Interference Study
KQAV - Rosamond, California

REFERENCE
34 49 39.0 N.
118 11 05.0 W.

CH# 228A - 93.5 MHz, Pwr= 6 kW DA, HAAT= 29.6 M, COR= 769.6 M
Average Protected F(50-50)= 15.75 km
73.215 Directional

DISPLAY DATES
DATA 01-13-19
SEARCH 01-13-19

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DI ST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
228A Rosamond	KQAV	LIC NCN CA		302.7 122.7	9.61 BLH19930908KD	34 52 27.0 118 16 24.0	3.000 63		---Reference---		
								878	High Desert Broadcasting L		
228A Rosamond	KQAV	CP ZCX CA		0.0 0.0	0.00 BPH20150529ABX	34 49 39.0 118 11 05.0	6.000 27		---Reference---		
								770	High Desert Broadcasting L		
228A Ontario	KDEY-FM^	LIC DCX CA		142.2 322.5	91.57 BLH20080521AEA	34 10 32.0 117 34 26.0	6.000 100	68.3 1067	15.8 Meruelo Radio Holdings, LI	1.4	-0.6
228A Redondo Beach	KDAY	LIC ZCX CA		190.1 10.0	92.85 BLH20090618ADE	34 00 19.0 118 21 44.0	4.200 117	44.7 184	12.4 Meruelo Radio Holdings, LI	26.2	2.1
231B Bakersfield	KISV«	LIC _CN CA		323.5 143.2	84.52 BLH19960516KB	35 26 17.0 118 44 22.0	4.500 406	3.8 1121	57.2 Agm California, Inc.	68.5R	16.0M
226B Los Angeles	KCBS-FM^	LIC _CX CA		171.1 351.1	67.01 BLH20100818AAQ	34 13 55.0 118 04 18.0	50.000 150	2.7 1051	36.1 Entercom License, LIc	42.1	27.8
229A Ridgecrest	KZFX«	LIC _H_ CA		27.7 208.0	99.83 BLH20120709AAA	35 37 20.0 117 40 13.0	1.700 -68	16.5 708	11.5 Post Rock Communications	71.5R	28.3M
230B Los Angeles	KXOS^	LIC DEX CA		170.8 350.8	67.67 BLH20060323ABU	34 13 36.0 118 03 59.0	50.000 150	2.7 1036	36.1 93.9 License, LIc	42.7	28.4
229B Santa Barbara	KDB«	LIC _CX CA		254.0 73.2	142.56 BMLED20140402AQE	34 27 58.0 119 40 37.0	12.500 265	28.5 670	26.5 University Of Southern Cal	112.5R	30.1M
228A Earl imart	DKNAC«	VAC _N CA		320.3 139.7	153.29	35 53 03.0 119 16 17.0	6.000 100	82.7 191	25.2 114.5R	114.5R	38.8M

Terrain database is NED 03 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= - Zone 1A, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
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 restricted contour.
« = Station meets FCC minimum distance spacing for its class.
^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements
Reference station has protected zone issue: Mexico

KQAV

BLH19930908KD
Latitude: 34-52-27 N
Longitude: 118-16-24 W
ERP: 3.00 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 878.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

KQAV.X

BLH19930908KD
Latitude: 34-49-39 N
Longitude: 118-11-05 W
ERP: 6.00 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 769.6 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

KDEY-FM.X

BLH20080521AEA
Latitude: 34-10-32 N
Longitude: 117-34-26 W
ERP: 6.00 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 1063.49 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit E-4
Existing Contour Overlap Detail
KQAV - Rosamond, California
High Desert Broadcasting, LLC
January 2019

Licensed KQAV 60 dBu
F(50,50) Service Contour

KDEY-FM 60 dBu
Service Contour

Jeremy Ruck & Associates, Inc.

Proposed KQAV 40 dBu
F(50,10) Contour

137.0°

138.0°

142.0°

145.0°

Scale 1:55,000

0 1 2 3 km

KQAV.X

BLH19930908KD

Latitude: 34-49-39 N

Longitude: 118-11-05 W

ERP: 6.00 kW

Channel: 228

Frequency: 93.5 MHz

AMSL Height: 769.6 m

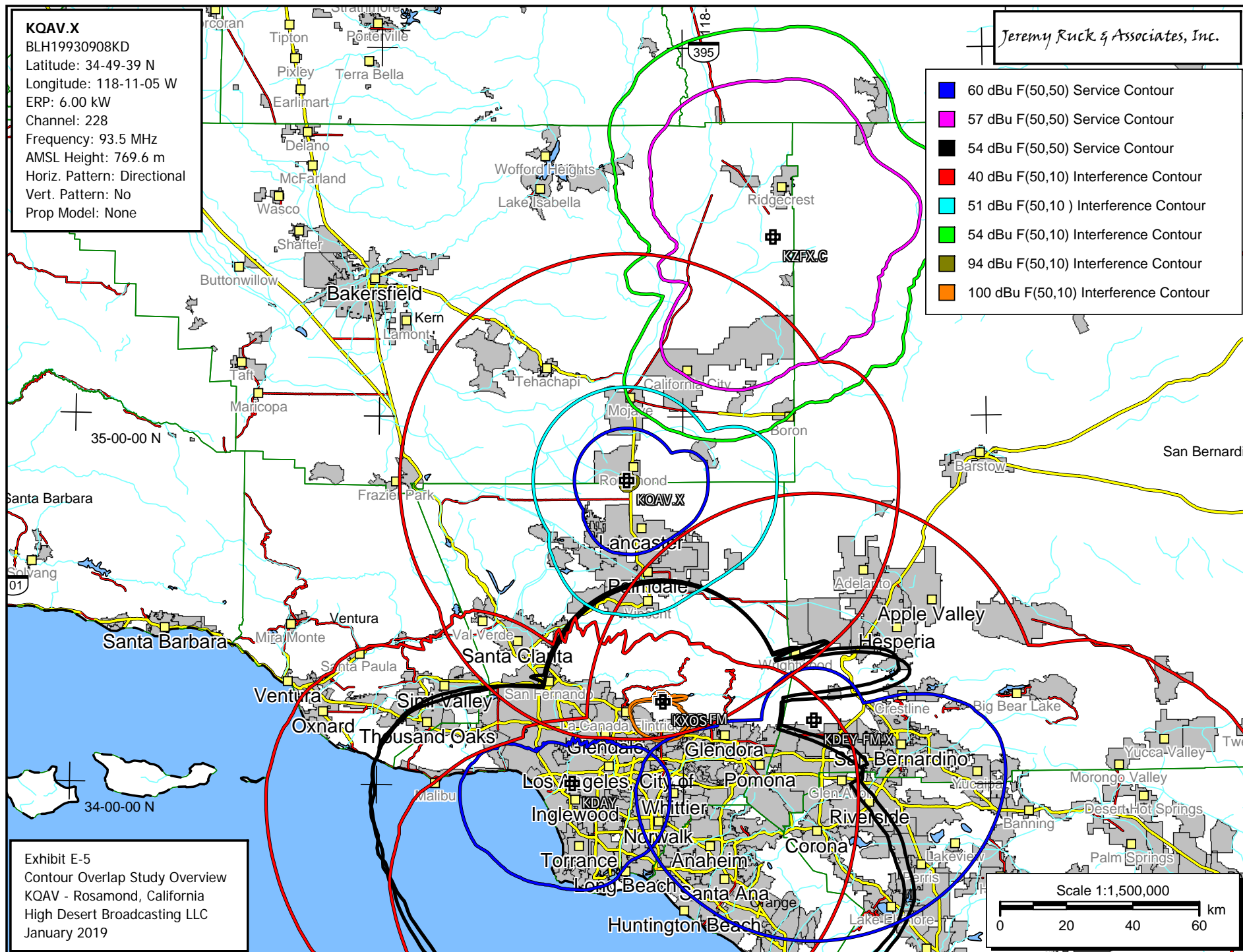
Horiz. Pattern: Directional

Vert. Pattern: No

Prop Model: None

Jeremy Ruck & Associates, Inc.

- 60 dBu F(50,50) Service Contour
- 57 dBu F(50,50) Service Contour
- 54 dBu F(50,50) Service Contour
- 40 dBu F(50,10) Interference Contour
- 51 dBu F(50,10) Interference Contour
- 54 dBu F(50,10) Interference Contour
- 94 dBu F(50,10) Interference Contour
- 100 dBu F(50,10) Interference Contour

**Exhibit E-5**

Contour Overlap Study Overview

KQAV - Rosamond, California

High Desert Broadcasting LLC

January 2019

KQAV.X

BLH19930908KD
Latitude: 34-49-39 N
Longitude: 118-11-05 W
ERP: 6.00 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 769.6 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

KDEY-FM.X

BLH20080521AEA
Latitude: 34-10-32 N
Longitude: 117-34-26 W
ERP: 6.00 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 1063.49 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

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- KQAV 60 dBu F(50,50) Service Contour
- KDEY-FM 40 dBu F(50,10) Interference Contour

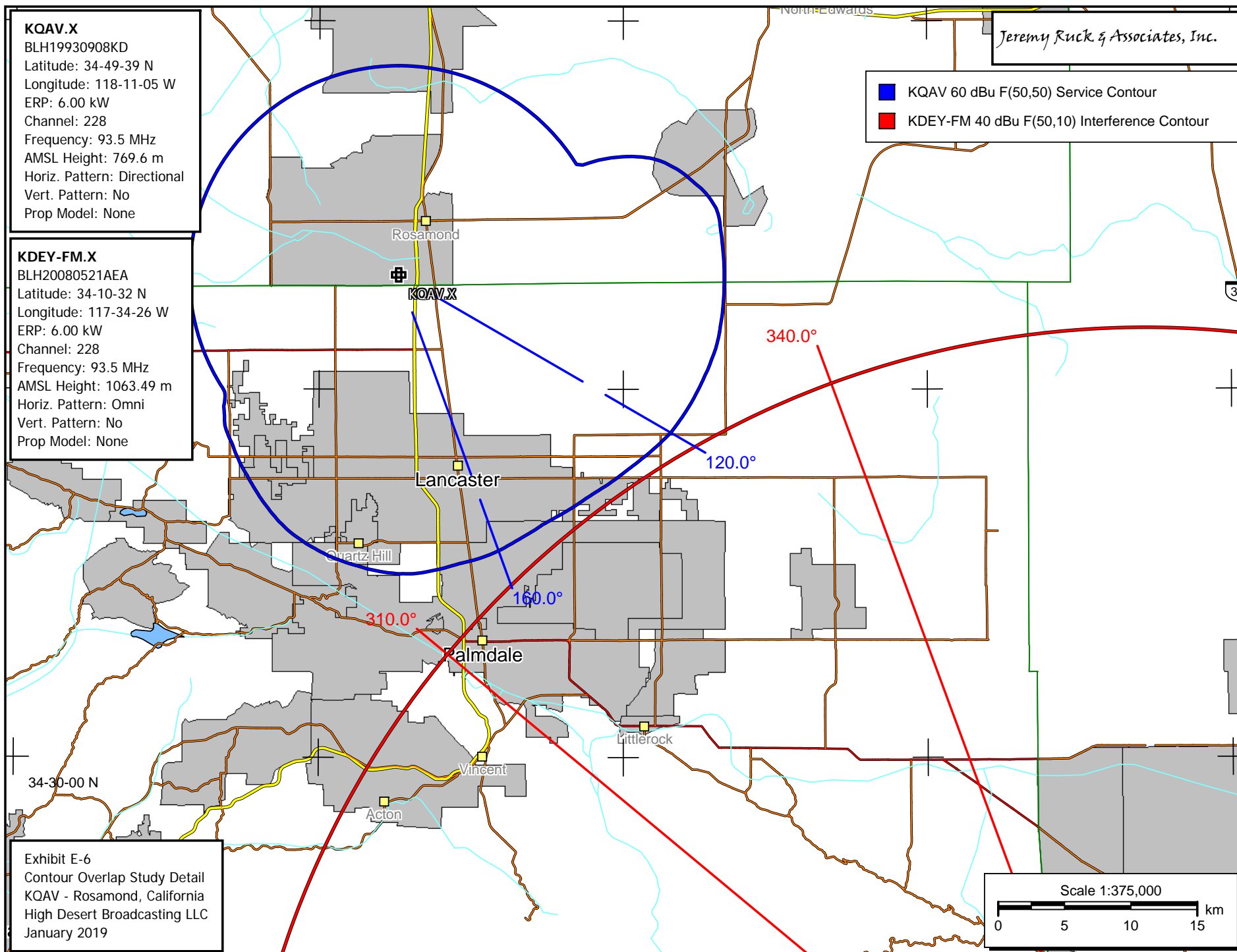


Exhibit E-6
Contour Overlap Study Detail
KQAV - Rosamond, California
High Desert Broadcasting LLC
January 2019

Exhibit E-7 - KQAV 60 dBu F(50,50) Contour Tabulation

Distance to Contour Report
Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
FCC Matching HAAT Calculation Used
Field Strength: 60.00 dBuV/m
Primary Terrain: NED 3 Second US Terrain
Secondary Terrain: FCC 30 Second US Database

Transmitter Information:
Call Letters: KQAV.X
File Number: BLH19930908KD
Latitude: 34-49-39 N
Longitude: 118-11-05 W
ERP: 6.00 kW
EIRP: 9.84 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 769.6 m
Elevation: 711.0 m
HAAT: 26.93 m
Horiz. Antenna Pattern: Directional
Vert. Elevation Pattern: No

Azimuth (deg)	Distance (km)	HAAT (m)
-----	-----	-----
120.0	23.67	68.0
121.0	23.57	67.6
122.0	23.46	67.3
123.0	23.37	67.0
124.0	23.26	66.7
125.0	23.16	66.4
126.0	23.06	66.1
127.0	22.95	65.7
128.0	22.86	65.4
129.0	22.76	65.1
130.0	22.66	64.9
131.0	22.58	64.6
132.0	22.50	64.3
133.0	22.44	64.1
134.0	22.35	63.8
135.0	22.30	63.7
136.0	22.20	63.3
137.0	22.13	63.1
138.0	22.06	62.9
139.0	22.00	62.8
140.0	21.95	62.7
141.0	21.92	62.5
142.0	21.90	62.3
143.0	21.87	62.1
144.0	21.83	61.9
145.0	21.80	61.7
146.0	21.78	61.5
147.0	21.75	61.3
148.0	21.73	61.2
149.0	21.71	61.0
150.0	21.70	61.0
151.0	21.73	61.0
152.0	21.77	60.9
153.0	21.79	60.8

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Exhibit E-7 - KQAV 60 dBu F(50,50) Contour Tabulation

154.0	21.82	60.8
155.0	21.85	60.8
156.0	21.89	60.7
157.0	21.94	60.8
158.0	21.99	60.9
159.0	22.05	61.0
160.0	22.08	61.0

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Exhibit E-8 - KDEY-FM 40 dBu F(50,10) Contour Tabulation

Distance to Contour Report
Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
FCC Matching HAAT Calculation Used
Field Strength: 60.00 dBuV/m
Primary Terrain: NED 3 Second US Terrain
Secondary Terrain: FCC 30 Second US Database

Transmitter Information:
Call Letters: KQAV.X
File Number: BLH19930908KD
Latitude: 34-49-39 N
Longitude: 118-11-05 W
ERP: 6.00 kW
EIRP: 9.84 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 769.6 m
Elevation: 711.0 m
HAAT: 26.93 m
Horiz. Antenna Pattern: Directional
Vert. Elevation Pattern: No

Azimuth (deg)	Distance (km)	HAAT (m)
-----	-----	-----
120.0	23.67	68.0
121.0	23.57	67.6
122.0	23.46	67.3
123.0	23.37	67.0
124.0	23.26	66.7
125.0	23.16	66.4
126.0	23.06	66.1
127.0	22.95	65.7
128.0	22.86	65.4
129.0	22.76	65.1
130.0	22.66	64.9
131.0	22.58	64.6
132.0	22.50	64.3
133.0	22.44	64.1
134.0	22.35	63.8
135.0	22.30	63.7
136.0	22.20	63.3
137.0	22.13	63.1
138.0	22.06	62.9
139.0	22.00	62.8
140.0	21.95	62.7
141.0	21.92	62.5
142.0	21.90	62.3
143.0	21.87	62.1
144.0	21.83	61.9
145.0	21.80	61.7
146.0	21.78	61.5
147.0	21.75	61.3
148.0	21.73	61.2
149.0	21.71	61.0
150.0	21.70	61.0
151.0	21.73	61.0
152.0	21.77	60.9
153.0	21.79	60.8

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Exhibit E-8 - KDEY-FM 40 dBu F(50,10) Contour Tabulation

154.0	21.82	60.8
155.0	21.85	60.8
156.0	21.89	60.7
157.0	21.94	60.8
158.0	21.99	60.9
159.0	22.05	61.0
160.0	22.08	61.0

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viii-2

BLH19930908KD
Latitude: 34-49-39 N
Longitude: 118-11-05 W
ERP: 6.00 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 769.6 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

■ KDAY/KDEY-FM 60 dBu F(50,50) Service Contour
■ KQAV 40 dBu F(50,10) Interference Contour

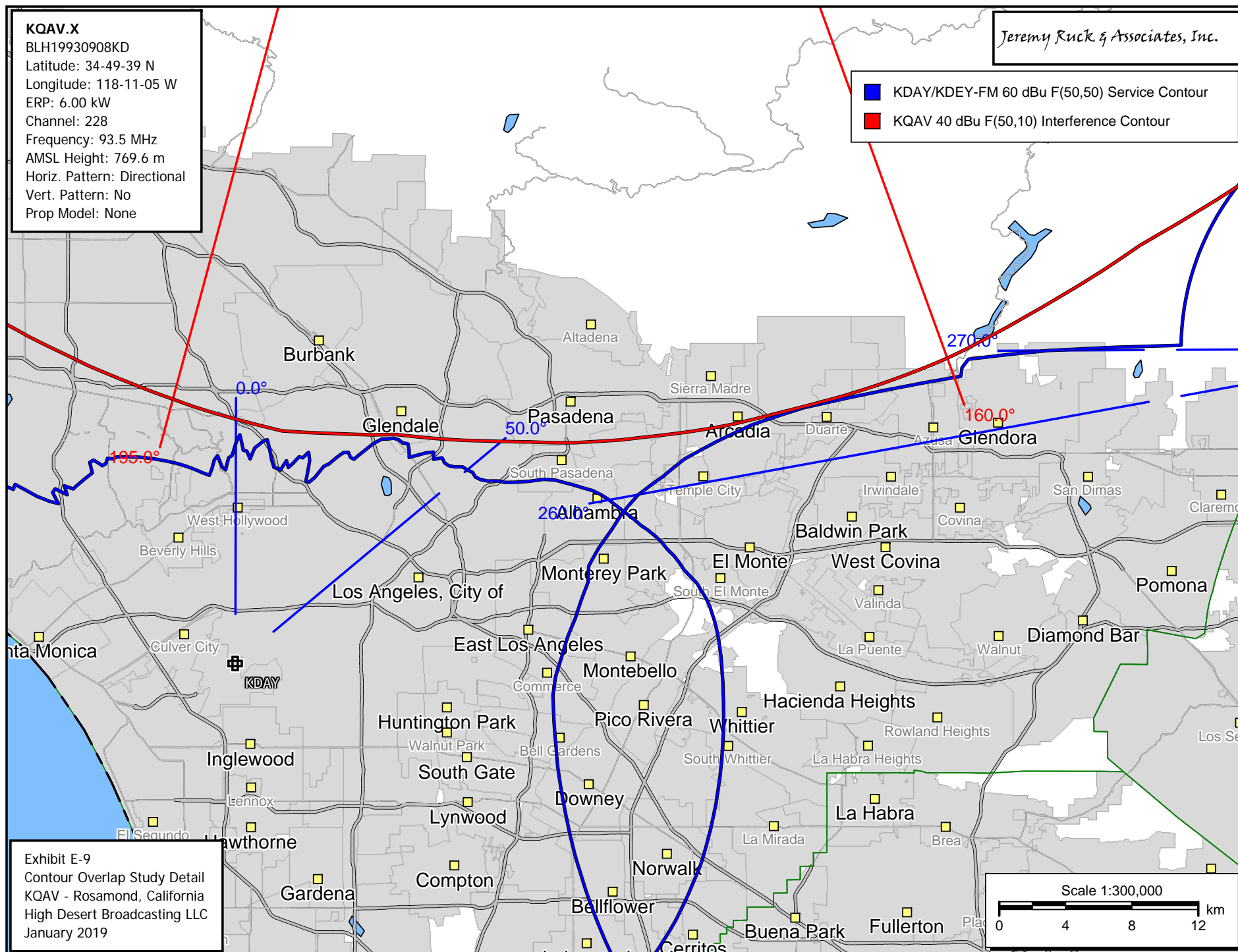


Exhibit E-10 - KQAV 40 dBu F(50,10) Contour Tabulation

Distance to Contour Report
Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 10.0 %
of Radials Calculated: 360
FCC Matching HAAT Calculation Used
Field Strength: 40.00 dBuV/m
Primary Terrain: NED 3 Second US Terrain

Transmitter Information:
Call Letters: KQAV.X
File Number: BLH19930908KD
Latitude: 34-49-39 N
Longitude: 118-11-05 W
ERP: 6.00 kW
EIRP: 9.84 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 769.6 m
Elevation: 711.0 m
HAAT: 26.93 m
Horiz. Antenna Pattern: Directional
Vert. Elevation Pattern: No

Azimuth (deg)	Distance (km)	HAAT (m)
160.0	77.43	61.0
161.0	77.50	61.2
162.0	77.57	61.3
163.0	77.63	61.4
164.0	77.67	61.4
165.0	77.71	61.4
166.0	77.73	61.3
167.0	77.76	61.3
168.0	77.80	61.3
169.0	77.87	61.4
170.0	77.94	61.5
171.0	77.97	61.6
172.0	77.97	61.6
173.0	77.97	61.5
174.0	77.97	61.4
175.0	78.00	61.5
176.0	77.98	61.3
177.0	77.97	61.3
178.0	77.91	60.9
179.0	77.84	60.5
180.0	77.80	60.3
181.0	77.77	60.1
182.0	77.77	59.9
183.0	77.75	59.6
184.0	77.71	59.3
185.0	77.67	59.0
186.0	77.83	58.8
187.0	77.94	58.4
188.0	78.07	58.0
189.0	78.22	57.7
190.0	78.36	57.4
191.0	78.28	57.1
192.0	78.21	56.8
193.0	78.12	56.5
194.0	78.04	56.1
195.0	77.91	55.6

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Exhibit E-11 - KDAY 60 dBu F(50,50) Contour Tabulation

Distance to Contour Report
Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
FCC Matching HAAT Calculation Used
Field Strength: 60.00 dBuV/m
Primary Terrain: NED 3 Second US Terrain
Secondary Terrain: FCC 30 Second US Database

Transmitter Information:
Call Letters: KDAY
File Number: BLH20090618ADE
Latitude: 34-00-19 N
Longitude: 118-21-44 W
ERP: 4.20 kW
EIRP: 6.888 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 184.0 m
Elevation: 153.0 m
HAAT: 117.0 m
Horiz. Antenna Pattern: Directional
Vert. Elevation Pattern: No

Azimuth (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	13.28	49.6
1.0	13.79	53.9
2.0	12.86	47.2
3.0	12.81	47.2
4.0	12.36	44.2
5.0	13.05	49.5
6.0	13.26	51.5
7.0	13.51	53.8
8.0	13.63	55.2
9.0	13.06	51.0
10.0	12.45	46.7
11.0	12.05	43.7
12.0	12.03	43.4
13.0	11.97	42.8
14.0	12.61	47.2
15.0	12.24	44.4
16.0	12.59	46.8
17.0	13.04	50.0
18.0	13.04	49.8
19.0	13.48	53.0
20.0	13.01	49.3
21.0	11.78	41.2
22.0	11.80	42.2
23.0	12.20	46.1
24.0	13.02	53.4
25.0	13.29	57.1
26.0	13.82	63.9
27.0	14.30	70.7
28.0	14.44	74.0
29.0	14.24	73.7
30.0	14.23	75.6
31.0	14.94	82.8
32.0	15.67	89.7
33.0	16.15	94.0

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Exhibit E-11 - KDAY 60 dBu F(50,50) Contour Tabulation

34.0	16.35	95.5
35.0	16.60	97.5
36.0	16.69	97.9
37.0	16.68	97.3
38.0	16.84	98.4
39.0	16.58	95.5
40.0	16.25	91.9
41.0	16.67	93.6
42.0	17.13	95.7
43.0	17.47	96.7
44.0	17.15	91.6
45.0	17.58	93.5
46.0	17.47	90.6
47.0	17.53	89.2
48.0	17.76	89.4
49.0	18.12	90.8
50.0	18.20	89.8

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Exhibit E-12 - KDEY-FM 60 dBu F(50,50) Contour Tabulation

Distance to Contour Report
Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 50.0 %
of Radials Calculated: 360
FCC Matching HAAT Calculation Used
Field Strength: 60.00 dBuV/m
Primary Terrain: NED 3 Second US Terrain
Secondary Terrain: FCC 30 Second US Database

Transmitter Information:
Call Letters: KDEY-FM.X
File Number: BLH20080521AEA
Latitude: 34-10-32 N
Longitude: 117-34-26 W
ERP: 6.00 kW
EIRP: 9.84 kW
Channel: 228
Frequency: 93.5 MHz
AMSL Height: 1063.49 m
Elevation: 915.0 m
HAAT: 100.0 m
Horiz. Antenna Pattern: Omni
Vert. Elevation Pattern: No

Azimuth (deg)	Distance (km)	HAAT (m)
-----	-----	-----
260.0	49.24	360.8
261.0	47.57	333.7
262.0	46.15	311.1
263.0	44.07	277.5
264.0	41.83	242.3
265.0	38.63	197.5
266.0	33.73	146.8
267.0	29.06	105.9
268.0	28.98	105.2
269.0	28.57	102.1
270.0	23.77	68.6

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