

San Joaquin Broadcasting

Exhibit 34
Livermore, CA

Channel Study

REFERENCE		CH# 297B - 107.3 MHz, Pwr= 0.88 kW, HAAT= 894.2 M, COR= 1135 M								DISPLAY DATES	
37 52 54.0 N.		Average Protected F(50-50)= 66.0 km								DATA 11-09-13	
121 55 05.0 W.		Omni-directional								SEARCH 11-11-13	
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
297B Livermore	KLVS	LIC	HX CA	118.9 299.0	13.84 BLED20120628AAI	37 49 17.0 121 46 49.0	8.100 491	133.4 713	52.8 San Joaquin Broadcasting C	-179.8*	-178.1*
295B San Francisco	KFRC-FM%^	LIC	C CA	266.4 86.0	51.07 BMLH20050811ABJ	37 51 04.0 122 29 50.0	50.000 150	10.0 214	71.1 Cbs Radio Stations Inc.	67.5R	-16.4M
299B San Mateo	KSAN%^	LIC	CN CA	244.9 64.6	50.33 BMLH19920716KA	37 41 20.0 122 26 07.0	50.000 150	10.0 208	71.1 Susquehanna Radio Corp.	67.5R	-17.2M
298B Colusa	KQPT^	LIC	CN CA	347.1 166.9	160.26 BLH19860925KB	39 17 17.0 122 20 02.0	50.000 150	113.0 367	76.8 Mapleton License Of Chico,	-20.2	-16.2
298A Sutter Creek	1422321«	RSV-A	CA	59.5 240.2	113.06	38 23 30.0 120 48 06.0	6.000 100	85.0 472	45.4 Sutter Hill Seventh-day Ad	112.5R	0.56M
298A Sutter Creek	1432289«	RSV-A	CA	59.5 240.2	113.06	38 23 30.0 120 48 06.0	6.000 100	85.0 472	45.4 Calvary Chapel Of Amador C	112.5R	0.56M
298A Sutter Creek	1513664«	RSV-A	CA	59.5 240.2	113.06	38 23 30.0 120 48 06.0	6.000 100	85.0 472	45.4 Sutter Hill Seventh-day Ad	112.5R	0.56M
298A Sutter Creek	DKSAC«	VAC	N CA	59.5 240.2	113.06	38 23 30.0 120 48 06.0	6.000 100	85.0 472	45.4 112.5R	112.5R	0.56M
298A Freedom	KPIG-FM«	LIC	C CA	170.8 350.9	117.66 BLH20000821ABS	36 50 06.0 121 42 22.0	5.400 103	62.3 178	30.3 Mapleton License Of Monter	112.5R	5.2M
298A Sutter Creek	1509306«	APP	CX CA	62.5 243.3	133.88 BNPED20100225ADX	38 25 45.0 120 33 25.0	2.600 148	76.0 1023	39.6 Sutter Hill Seventh-day Ad	112.5R	21.4M
298A Sutter Creek	1358480«	APP	CX CA	62.5 243.3	133.88 BNPED20100224ACJ	38 25 45.0 120 33 25.0	1.800 186	75.0 1060	38.7 Farms Of Amador	112.5R	21.4M
298A Sutter Creek	1358990«	APP	CX CA	62.5 243.3	133.88 BNPED20100226AJU	38 25 45.0 120 33 25.0	1.870 184	75.0 1055	38.8 Sonora Sierra Heritage Fou	112.5R	21.4M
298A Sutter Creek	1357799«	APP	CX CA	62.5 243.4	134.06 BNPED20100225ADX	38 25 44.6 120 33 16.3	2.100 170	75.3 1051	39.1 Sutter Hill Seventh-day Ad	112.5R	21.6M
298A Sutter Creek	1432058«	APP	CX CA	61.5 242.3	138.31 BNPED20100225AAO	38 27 59.0 120 31 27.0	4.800 111	81.9 1103	43.4 Calvary Chapel Of Amador C	112.5R	25.8M
300B Sacramento	KDND«	LIC	CN CA	22.3 202.6	99.61 BLH19850716KA	38 42 38.0 121 28 54.0	50.000 123	7.9 137	62.4 Entercom Kansas City Licen	73.5R	26.1M
243B San Francisco	KOIT«	LIC	CX CA	253.5 73.1	49.03 BMLH20111004ACJ	37 45 19.0 122 27 06.0	24.000 480	9.2 511	43.1 Entercom Kansas City Licen	19.5R	29.5M
296A Cloverdale	KSRT«	LIC	CX CA	316.6 135.9	142.75 BLH20020509AAT	38 48 34.0 123 02 56.0	3.500 131	82.2 471	43.4 Lazer Licenses, Llc	112.5R	30.3M

Terrain database is NGDC 30 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 protected contour.
 « = Station meets FCC minimum distance spacing for its class.
 ^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements
 % = Station Fails minimum 73.215 spacings. 73.215 spacings are used.

KLVS vs. KQPT

The license of KQPT Colusa, CA (FIN 51638) currently both causes (Exhibit 34-A1) and receives (Exhibit 34-A2) interference to the licensed facility of KLVS. The proposed move to KLVS contemplated herein will reduce both interference caused and received, as can be seen in the chart below:

KLVS License	pop	area	pop %	area %
interference received	151840	796.43	2	4.7
interference casued	7658	856.49	1.9	6.7

KLVS Proposed				
interference received	84023	653.78	1.3	4.8
interference casued	5400	498.72	1.4	3.9

Therefore, SJB respectfully request that the proposed KLVS facility be granted.

Interfering

Exhibit 34-A1

KLVS.P

Latitude: 37-52-54 N
Longitude: 121-55-05 W
ERP: 0.88 kW
Channel: 297
Frequency: 107.3 MHz
AMSL Height: 1135.0 m
Horiz. Pattern: Omni

KLVS

BLED20120628AAI
Latitude: 37-49-17 N
Longitude: 121-46-49 W
ERP: 8.10 kW
Channel: 297
Frequency: 107.3 MHz
AMSL Height: 713.0 m
Horiz. Pattern: Omni

KQPT

BLH19860925KB
Latitude: 39-17-17 N
Longitude: 122-20-02 W
ERP: 28.00 kW
Channel: 298
Frequency: 107.5 MHz
AMSL Height: 410.0 m
Horiz. Pattern: Omni

Contours

- KQPT Interfering
- KLVS Licensed Protected
- KLVS Proposed Protected

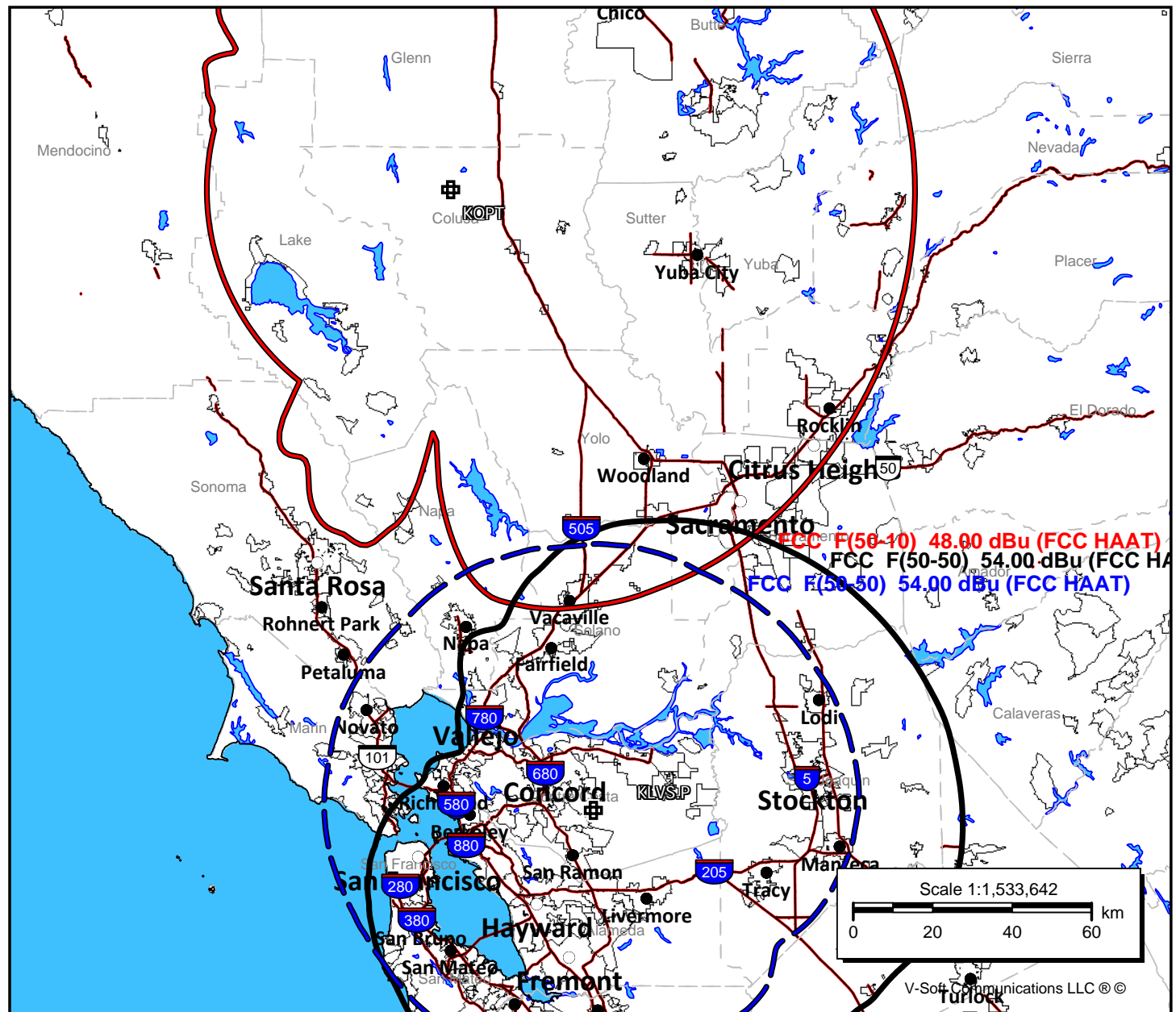


Exhibit 34-A2

KLVS.P

Latitude: 37-52-54 N
Longitude: 121-55-05 W
ERP: 0.88 kW
Channel: 297
Frequency: 107.3 MHz
AMSL Height: 1135.0 m
Horiz. Pattern: Omni




KLVS

BLED20120628AAI
Latitude: 37-49-17 N
Longitude: 121-46-49 W
ERP: 8.10 kW
Channel: 297
Frequency: 107.3 MHz
AMSL Height: 713.0 m
Horiz. Pattern: Omni

KQPT

BLH19860925KB
Latitude: 39-17-17 N
Longitude: 122-20-02 W
ERP: 28.00 kW
Channel: 298
Frequency: 107.5 MHz
AMSL Height: 410.0 m
Horiz. Pattern: Omni

Contours

-  KQPT Protected
-  KLVS License Interfering
-  KLVS Proposed Interfering

