

Application Purpose

The purpose of this KYKL license modification is to change the licensed geographical coordinates to match the geographic coordinates of the actual tower location. No other changes are proposed.

Since the coordinates of the KYKL license and the actual physical coordinates are separated by a distance of less than 3 seconds latitude and/or 3 seconds longitude, this corrective license filing is allowed. A Construction Permit Application is not necessary as stated in 47 C.F.R Section 73.1690(c)(11).

No physical changes have occurred. There is no change in site elevation, center of radiation above ground or center of radiation above mean sea level.

Exhibit 1 shows the corrected coordinate spacing to all licensed and proposed facilities remain in compliance with 73.509 (contour protection) spacing requirements.

Exhibit 2 demonstrates continued coverage of the Community of License utilizing the measured pattern from the Antenna Proof of Performance.

Exhibit 3 demonstrates continued compliance with the RF Radiation Guidelines.

Channel Study

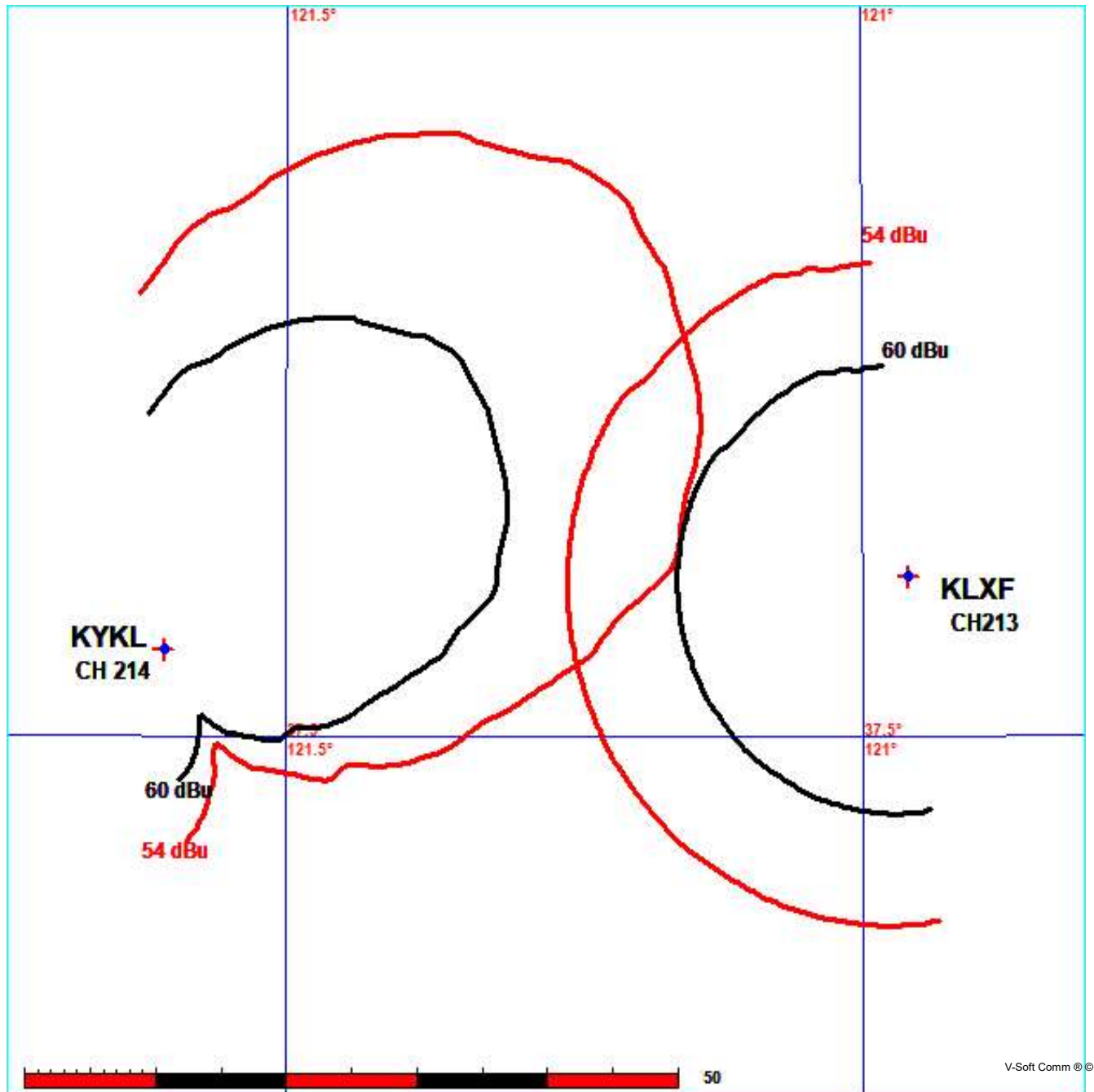
REFERENCE		CH# 214B1- 90.7 MHz, Pwr= 0.14 kW DA, HAAT= 534.9 M, COR= 1131.3 MDISPLAY DATES									
37 33 36.5 N.		Average Protected F(50-50)= 26.3 km									
121 36 21.1 W.		Standard Directional									
		SEARCH 07-21-22									
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
214B1 Tracy	KYKL!	LIC CA	DCN	278.4 98.4	0.04 0000088794	37 33 36.70 121 36 22.80	0.140 532		1132 Educational Media Foundati		
213A Modesto	KLXF	LIC CA	CN	84.5 264.9	57.27 0000106732	37 36 27.80 120 57 30.80	5.000 38	26.1 62	17.8 Educational Media Foundati	5.0	0.1
217B Stockton	KUOP	LIC CA	DCN	111.6 291.8	24.13 BLED19830310AI	37 28 47.70 121 21 05.70	7.000 372	4.6 827	20.6 California State Universit	3.4	1.2
214B1 Atwater	KZCF	CP CA	DHN	106.2 286.8	103.97 0000160629	37 17 40.00 120 28 36.30	10.000 30	79.5 88	20.4 Common Frequency, Inc	2.1	29.6
214A Berkeley	KALX	LIC CA	DCN	302.3 121.9	66.49 BLED19820712AL	37 52 39.70 122 14 47.80	0.500 238	50.1 350	12.9 Regents Of The University	7.5	4.7
214A San Andreas	KQBM	LIC CA	D	59.7 240.3	102.90 BLED20140218AAR	38 01 22.70 120 35 29.70	0.100 475	35.8 873	9.3 Blue Mountain Coalition Fo	36.7	5.1
213A San Jose	KSJS	LIC CA	DCN	201.1 21.0	41.82 BMLD20010928AAK	37 12 32.80 121 46 33.80	1.500 144	27.3 396	12.7 San Jose State University	10.4	10.4
211B Stockton	KYCC	LIC CA	DCN	32.6 212.8	52.57 BLED20080930ATZ	37 57 29.70 121 16 58.80	41.000 107	3.5 116	31.3 Your Christian Companion N	18.9	18.4
216B1 San Mateo	KCSM	LIC CA	CN	267.8 87.3	64.27 BLED20100921ACN	37 32 07.80 122 20 03.80	11.000 113	4.5 225	45.0 San Mateo County Community	48.6	19.2
215B Sacramento	KXJZ	LIC CA	CN	4.8 184.9	128.34 BLED19841106KS	38 42 37.60 121 28 57.80	50.000 147	77.6 155	51.8 California State Universit	25.4	42.5
213A Concord	KVHS	LIC CA	CN	326.5 146.2	62.78 BLED20020430AAA	38 01 48.70 122 00 06.90	0.410 137	11.4 209	8.1 Mt. Diablo Unified School	36.4	26.4
215A Turlock	KBDG	LIC CA	DCN	94.0 274.5	65.00 BLED20110523AEO	37 31 00.70 120 52 13.70	0.730 12	6.5 41	4.6 Assyrian American Civic Cl	34.0	29.3
214A Santa Cruz	KSQD	LIC CA	DCN	212.7 32.4	73.49 BMLD20060623AAU	37 00 09.80 122 03 08.80	0.320 111	21.1 271	6.3 Natural Bridges Media	43.3	34.1
211A Stanford	KZSU	LIC CA	CN	252.1 71.7	53.20 BLED1774	37 24 41.70 122 10 44.80	0.500 -3	1.6 155	18.8 The Board Of Trustees Of T	41.5	34.2
212A Newman	768408	CP CA	DHN	121.9 302.2	51.36 0000167223	37 18 52.70 121 06 46.60	0.100 8	0.1 149	2.4 Modesto Independent Media	34.6	48.5
214A Hollister	KHRI	LIC CA	CN	166.7 346.8	79.16 0000107665	36 52 01.80 121 24 01.80	0.170 -111	21.5 102	6.4 Educational Media Foundati	47.7	38.7
214A San Gregorio	766493	CP CA	DCN	244.8 64.4	74.11 0000187358	37 16 27.60 122 21 51.00	0.300 63	13.9 191	4.2 Pescadero Public Radio Ser	50.7	38.7
215A Santa Nella	766527	APP CA	DCN	134.4 314.7	75.90 0000167151	37 04 51.90 120 59 38.80	5.000 -18	20.3 83	14.4 Free Radio Santa Nella	42.0	47.7

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference Zone= - Zone 1A, Co to 3rd adjacent.
All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E),
Beamtlt(Y,N,X)
« = Station meets FCC minimum distance spacing for its class.

FMCommander Single Allocation Study - 07-21-2022 - NGDC 30 SEC
KYKL's Overlaps (In= 5.04 km, Out= 0.14 km)

KYKL CH 214 B1 DA
Lat= 37 33 36.50, Lng= 121 36 21.10
0.14 kW 534.9 m HAAT, 1131.3 m COR
Prot.= 60 dBu, Intef.= 54 dBu

KLXF CH 213 A 0000106732
Lat= 37 36 27.80, Lng= 120 57 30.80
5.0 kW 38 m HAAT, 62 m COR
Prot.= 60 dBu, Intef.= 54 dBu

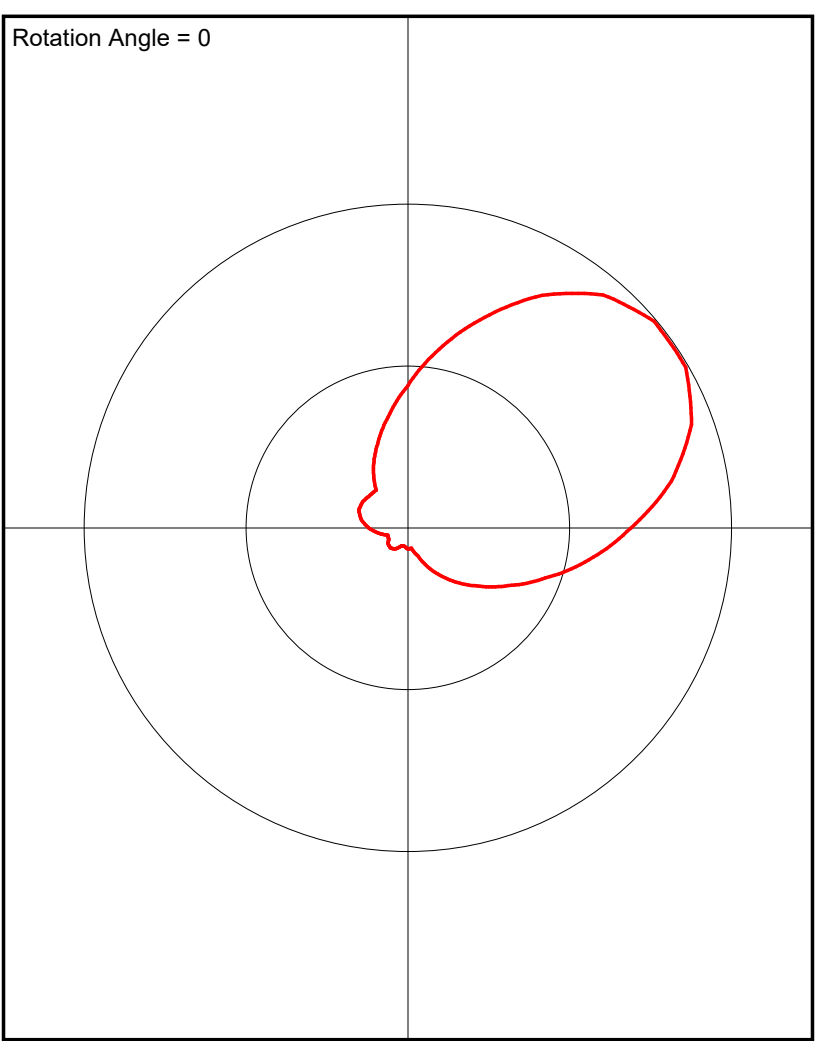


KYKL Antenna Proof Pattern

Post-Rotation Antenna Pattern....

Azimuth (deg)	Relative Field
0.0	0.439
10.0	0.56
20.0	0.691
30.0	0.829
40.0	0.939
50.0	0.992
60.0	0.991
70.0	0.932
80.0	0.826
90.0	0.689
100.0	0.568
110.0	0.452
120.0	0.357
130.0	0.279
140.0	0.214
150.0	0.152
160.0	0.093
170.0	0.064
180.0	0.065
190.0	0.058
200.0	0.059
210.0	0.075
220.0	0.082
230.0	0.079
240.0	0.068
250.0	0.066
260.0	0.092
270.0	0.121
280.0	0.146
290.0	0.161
300.0	0.161
310.0	0.154
320.0	0.152
330.0	0.212
340.0	0.274
350.0	0.348

Rotation Angle = 0



Overlap Population Report
KYKL Proof Pattern (214) / Tracy, CA

Overlap Area Type: Intersection

Areas Included:

KYKL Proof Pattern (214): FCC F(50-50) 60.00 dBu (FCC HAAT)
PLST: Tracy, CA

Population Database: 2020 US Census (PL)

Total Population: 90,182

Overlap Area: 57.34 sq. km (Area determined using 0.035 km cells)

Area Description	Total Population	Total Area [sq. km]	Percent Population	Percent Area
KYKL Proof Pattern (214)	107,778	798.48	83.7 %	7.2 %
PLST: Tracy, CA	90,182	57.38	100.0 %	99.9 %

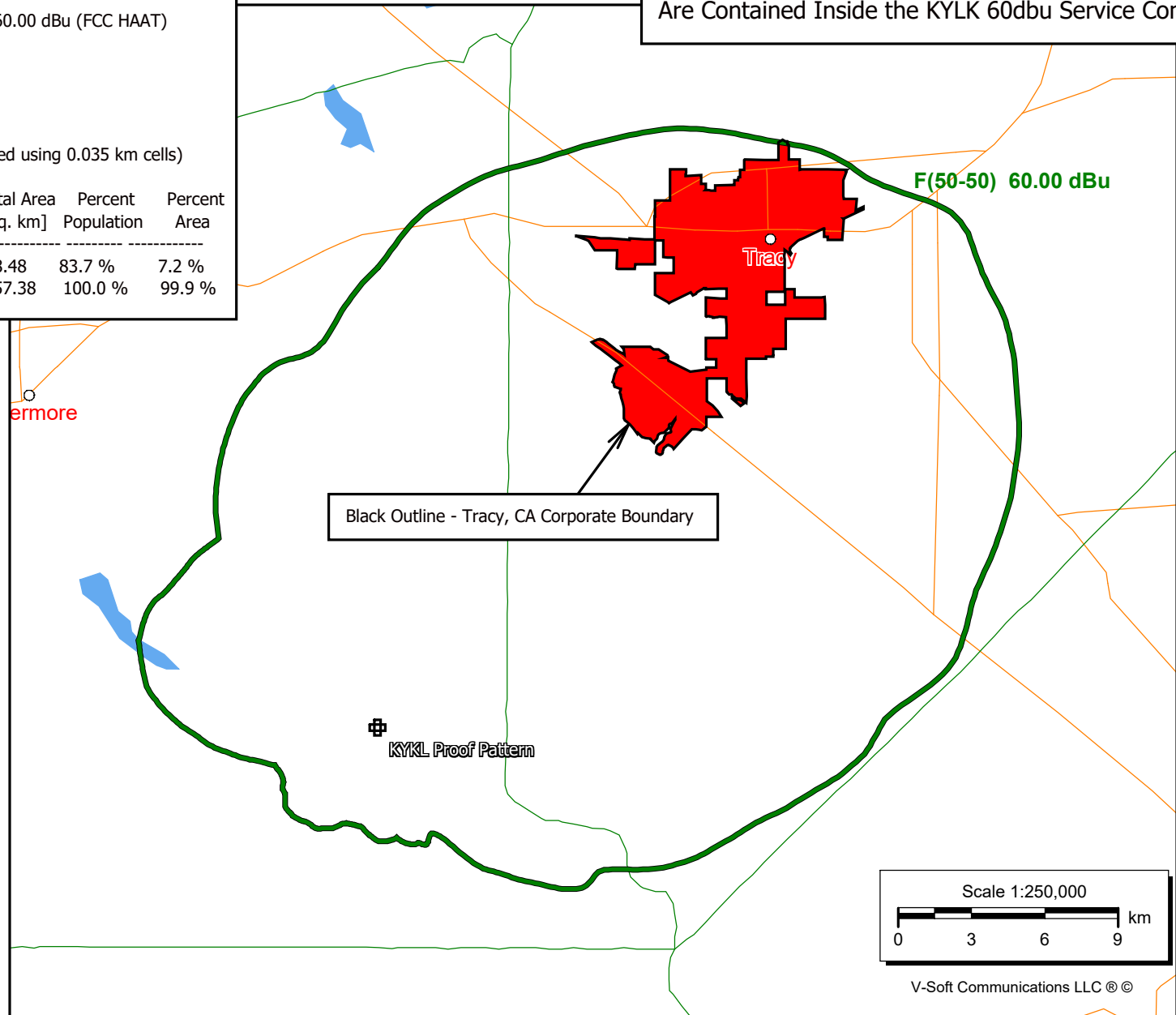
KYKL Proof Pattern

0000088794
Latitude: 37-33-36.50 N
Longitude: 121-36-21.10 W
ERP: 0.14 kW
Channel: 214
Frequency: 90.7 MHz
AMSL Height: 1132.0 m
Elevation: 1120.0 m
Horiz. Pattern: Directional
Vert. Pattern: No
Prop Model: None

Exhibit 2 Tracy, CA

Community of License Coverage

Note: 100% of the Population and 99.9% of the Area
Are Contained Inside the KYLK 60dbu Service Contour



Environmental Effects

Educational Media Foundation (“EMF”) certifies that KYKL complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

The RF worksheet in the Instructions to form 303-S was unusable to determine compliance for this facility because of the “worst-case” nature of the worksheet. Therefore, EMF used RFHAZ, a commercial software package created by V-Soft Communications, to determine compliance for this site.

KYKL was evaluated using the RFHaz software utilizing a “worst-case” ring stub EPA Type 1 antenna. The results indicate the maximum theoretical contribution from KYKL is 39.02uw/cm² which is 19.51% of the public (uncontrolled) exposure limits.

Based on this evaluation, KYKL fully complies with the FCC’s maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.