

Technical Exhibit
Minor Change of K263BL
361m RC-AMSL 33m AGL
37 Watts

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The instant application proposes to modify K263BL to Chico as a fill-in translator for KPYV AM 1340 through the AM Revitalization window. The move is less than 250 miles.

Interference Compliance

Contour protection, as required by C.F.R. Section 74.1204 to co-channel and first, second and third adjacent channels is demonstrated herein by Figure 1.

All contours plotted in exhibits are displayed in accordance with the propagation prediction curves of Section 73.333 utilizing NGDC 30 second terrain.

The instant application seeks a waiver of the second adjacent minimum distance separation requirement of 47 C.F.R. Section 74.1204. The proposed facility will not interfere with any authorized radio service, specifically, KHSL.

Figure 2 displays the interfering 112 dBu F(50,10) contour of the proposed facility with respect to KHSL. The interfering contour reaches ground level for approximately 95m. The tower site is remote hillside at the end of a gated private access road for the tower. There are no roads or occupied buildings within the contour.

AM Fill-In Eligibility

The instant facility complies with the requirements of a cross band fill-in translator, i.e., the 60 dBu F(50,50) contour of the instant facility is within both the 2 mV/m contour of its intended Primary station, KCVV, and within 40 km of KPYV's transmit site (see Figure 3).

RF Electromagnetic Exposure Analysis

The proposed facility will not have a significant environmental impact and complies with maximum permissible radio frequency electromagnetic exposure limits for a controlled environment, in accordance with OET Bulletin No. 65.

Using a worst case assumption of maximum downward radiation ($F=1.0$) the RF exposure at 2m above ground level is 0.3% of the controlled standard. This is inconsequential when added to existing RF on the tower.

The power will be reduced or shut off to allow necessary access to the tower.

Figure 1

Minor Modification of K263BL										
REFERENCE		CH#	275D - 102.9 MHz, Pwr= 0.037 kW, HAAT= 80.3 M, COR= 361 M					DISPLAY DATES		
39 43 37.4 N.			Average Protected F(50-50)= 7.16 km					DATA 07-25-16		
121 40 45.1 W.			Omni-directional					SEARCH 07-28-16		
CH CITY	CALL	TYPE ANT STATE	AZI <--	DI ST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
278B1 Paradise	KHSL-FM	LIC _CX CA	353.5 173.5	25.85 BLH20080821ACY	39 57 29.0 121 42 49.0	1.500 400	2.6 1144	56.6 Deer Creek Broadcasting, L	16.9	-31.3*
275C South Lake Tahoe	KWYL	LIC _C_ CA	106.2 287.3	160.80 BLH19991208AAR	39 18 38.0 119 53 01.0	39.000 892	173.7 2969	80.1 Radi o Li cense Hol di ng Cbc,	-19.9*	62.6
274C2 Red Bluff	KKRO	LIC _C_ CA	341.7 161.6	72.34 BMLD20001109ABP	40 20 41.0 121 56 48.0	5.500 431	75.2 940	48.5 Educational Medi a Foundati	-11.5*	10.7
276A Colusa	KKCY	LIC _CN CA	191.8 11.7	59.19 BLH19901004KB	39 12 21.0 121 49 11.0	0.135 599	42.5 647	27.3 Resul ts Radi o Of Chi co Li c	3.6	12.3
276C2 Reddi ng	KHRD	RSV-A CA	329.9 149.4	127.88	40 43 11.0 122 26 25.0	50.000 150	109.2 661	74.2 Resul ts Radi o Of Reddi ng L	8.6	44.7
276C2 Reddi ng	KHRD	APP NCX CA	325.3 144.8	125.43 BPH20140828ACG	40 39 06.0 122 31 32.0	4.200 468	93.2 1004	63.3 Resul ts Radi o Of Reddi ng L	21.8	52.1
276C2 KHRD Weavervi lle	KHRD	LIC NCN CA	320.1 139.4	127.57 BLH19991103ABV	40 36 10.0 122 38 58.0	0.600 1095	80.5 1918	54.4 Resul ts Radi o Of Reddi ng L	36.1	61.0
277A Grass Val ley	KBAA	LIC NCX CA	130.9 311.4	81.31 BLH20040426AAD	39 14 45.0 120 57 56.0	0.530 336	1.6 1193	33.1 Lazer Li censes, Li c	68.9	47.5
275D Auburn	K275BJ	CP DC_ CA	149.7 330.1	111.73 BPFT20160126AFA	38 51 28.0 121 01 39.0	0.140	35.0 482	10.2 I hr Educational Broadcasti	64.6	58.8
277A Grass Val ley	KBAA	CP NCX CA	131.4 311.9	93.62 BPH20160120ABO	39 10 04.0 120 51 50.0	1.300 216	2.2 1149	31.7 Lazer Li censes, Li c	80.6	60.2
273B Woodland	KSFM	LIC _CN CA	181.8 1.8	126.60 BMLH19940318KD	38 35 20.0 121 43 30.0	50.000 152	6.0 165	65.5 107.5		60.3
272D Grass Val ley	K272DX	LIC _V_ CA	130.8 311.3	81.41 BMLFT20130507AFS	39 14 47.0 120 57 48.0	0.010 336	0.2 1206	12.3 Cal vary Chapel Of Twin Fal	70.4	68.6
277B Uki ah	KUKI -FM	LIC _CX CA	252.4 71.4	143.48 BLH20071030ABV	39 19 35.0 123 16 11.0	2.900 542	3.5 1031	69.1 Bi coastal Medi a Li censes,	126.6	72.1
275L1 Davi s	NEW	CP CA	183.4 3.4	129.17 BNPL20131113BP0	38 34 02.0 121 46 05.8	0.100 14			97.5	80.0
275B Berkel ey	KBLX-FM	LIC _CX CA	196.4 15.9	235.88 BLH20141219ACO	37 41 21.0 122 26 08.0	7.200 387	129.3 445	67.2 Entercom Li cense, Li c	93.3	109.5
275B Berkel ey	KBLX-FM	LIC _CX CA	196.4 15.9	235.90 BMLH201311127BJS	37 41 20.0 122 26 07.0	6.600 393	128.4 450	66.6 Entercom Li cense, Li c	94.2	110.1
272C1 Weed	KSI Z	LIC _C_ CA	346.4 166.0	186.74 BLH19991124AAQ	41 21 30.0 122 12 21.0	15.500 592	7.8 2331	84.4 Buffal o Broadcasting, Li c	170.7	101.9
278A Sacramento	KHHM	LIC DCN CA	172.3 352.5	130.18 BLH20000128AAE	38 33 59.0 121 28 47.0	6.000 95	2.7 103	27.5 Entravi sion Hol di ngs, Li c	114.6	102.1
276L1 NEW Sacramento		CP CA	172.3 352.5	130.17 BNPL20131114BXU	38 33 59.2 121 28 46.6	0.100 29			109.3	105.5
277D El Dorado Hills	K277DA	CP DV_ CA	151.8 332.3	126.77 BMPFT20151118BMP	38 43 11.0 120 59 22.0	0.014	0.0 643	3.4 Hi spani c Family Christi an	114.5	117.4

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= East Zone 2A, 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.
 Reference station has protected zone issue: AM tower

Figure 2

K263BL.A Chico, CA

74.1204(d) Showing

Translator Maximum Licensed ERP = 0.038

Translator Antenna Height AG = 33 Meters

K263BL.A Antenna Model = 6812B 1F

Protected Station's Contour = 72.28931 dBu

Translator's full Interference contour 112.28931

Review Azimuth = 0 Degrees True

Relative Field on the horizon at Review Azimuth = 1.000

Translator ERP on the horizon at Review Azimuth = 0.038 kW

Distance between stations = 25.9 km

Protected Station= KHSL-F, 1.5 kW, 1144 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0380	105.0573	105.0573	033.000
01.00	1.0	1.0	0.0380	105.0573	105.0413	031.166
02.00	0.999	1.0	0.0379	104.9523	104.8883	029.337
03.00	0.999	1.0	0.0379	104.9523	104.8084	027.507
04.00	0.998	1.0	0.0378	104.8472	104.5918	025.686
05.00	0.996	1.0	0.0377	104.6371	104.2389	023.880
06.00	0.995	1.0	0.0376	104.5320	103.9594	022.073
07.00	0.993	1.0	0.0375	104.3219	103.5443	020.286
08.00	0.991	1.0	0.0373	104.1118	103.0986	018.510
09.00	0.988	1.0	0.0371	103.7966	102.5187	016.763
10.00	0.985	1.0	0.0369	103.4815	101.9093	015.031
11.00	0.982	1.0	0.0366	103.1663	101.2708	013.315
12.00	0.979	1.0	0.0364	102.8511	100.6036	011.616
13.00	0.975	1.0	0.0361	102.4309	099.8056	009.958
14.00	0.971	1.0	0.0358	102.0107	098.9805	008.321
15.00	0.967	1.0	0.0355	101.5904	098.1288	006.706
16.00	0.963	1.0	0.0352	101.1702	097.2510	005.114
17.00	0.958	1.0	0.0349	100.6449	096.2472	003.574
18.00	0.953	1.0	0.0345	100.1196	095.2194	002.061
19.00	0.948	1.0	0.0342	099.5943	094.1683	000.575
20.00	0.942	1.0	0.0337	098.9640	092.9957	-000.848
21.00	0.936	1.0	0.0333	098.3336	091.8024	-002.240
22.00	0.93	1.0	0.0329	097.7033	090.5889	-003.600
23.00	0.924	1.0	0.0324	097.0730	089.3561	-004.929

24.00	0.917	1.0	0.0320	096.3376	088.0087	-006.184
25.00	0.91	1.0	0.0315	095.6022	086.6450	-007.403
26.00	0.903	1.0	0.0310	094.8668	085.2657	-008.587
27.00	0.895	1.0	0.0304	094.0263	083.7780	-009.687
28.00	0.887	1.0	0.0299	093.1858	082.2782	-010.748
29.00	0.879	1.0	0.0294	092.3454	080.7671	-011.770
30.00	0.871	1.0	0.0288	091.5049	079.2456	-012.752
31.00	0.862	1.0	0.0282	090.5594	077.6246	-013.642
32.00	0.854	1.0	0.0277	089.7189	076.0860	-014.544
33.00	0.845	1.0	0.0271	088.7734	074.4517	-015.349
34.00	0.835	1.0	0.0265	087.7229	072.7255	-016.054
35.00	0.826	1.0	0.0259	086.7248	071.0408	-016.743
36.00	0.816	1.0	0.0253	085.7268	069.3544	-017.389
37.00	0.806	1.0	0.0247	084.6762	067.6254	-017.959
38.00	0.796	1.0	0.0241	083.6256	065.8979	-018.485
39.00	0.785	1.0	0.0234	082.4700	064.0912	-018.900
40.00	0.774	1.0	0.0228	081.3144	062.2904	-019.268
41.00	0.763	1.0	0.0221	080.1587	060.4966	-019.589
42.00	0.752	1.0	0.0215	079.0031	058.7107	-019.863
43.00	0.741	1.0	0.0209	077.8475	056.9340	-020.092
44.00	0.729	1.0	0.0202	076.5868	055.0919	-020.202
45.00	0.717	1.0	0.0195	075.3261	053.2636	-020.264
46.00	0.705	1.0	0.0189	074.0654	051.4502	-020.278
47.00	0.693	1.0	0.0182	072.8047	049.6527	-020.246
48.00	0.68	1.0	0.0176	071.4390	047.8020	-020.090
49.00	0.667	1.0	0.0169	070.0732	045.9722	-019.885
50.00	0.654	1.0	0.0163	068.7075	044.1643	-019.633
51.00	0.641	1.0	0.0156	067.3417	042.3795	-019.334
52.00	0.628	1.0	0.0150	065.9760	040.6189	-018.990
53.00	0.614	1.0	0.0143	064.5052	038.8202	-018.516
54.00	0.6	1.0	0.0137	063.0344	037.0507	-017.996
55.00	0.586	1.0	0.0130	061.5636	035.3114	-017.430
56.00	0.572	1.0	0.0124	060.0928	033.6035	-016.819
57.00	0.558	1.0	0.0118	058.6220	031.9278	-016.165
58.00	0.544	1.0	0.0112	057.1512	030.2855	-015.467
59.00	0.529	1.0	0.0106	055.5753	028.6234	-014.637
60.00	0.514	1.0	0.0100	053.9995	026.9997	-013.765
61.00	0.499	1.0	0.0095	052.4236	025.4155	-012.851
62.00	0.484	1.0	0.0089	050.8477	023.8716	-011.896
63.00	0.469	1.0	0.0084	049.2719	022.3690	-010.902
64.00	0.453	1.0	0.0078	047.5910	020.8625	-009.774
65.00	0.437	1.0	0.0073	045.9100	019.4024	-008.609
66.00	0.422	1.0	0.0068	044.3342	018.0323	-007.501
67.00	0.406	1.0	0.0063	042.6533	016.6660	-006.263
68.00	0.39	1.0	0.0058	040.9724	015.3485	-004.989
69.00	0.373	1.0	0.0053	039.1864	014.0431	-003.584

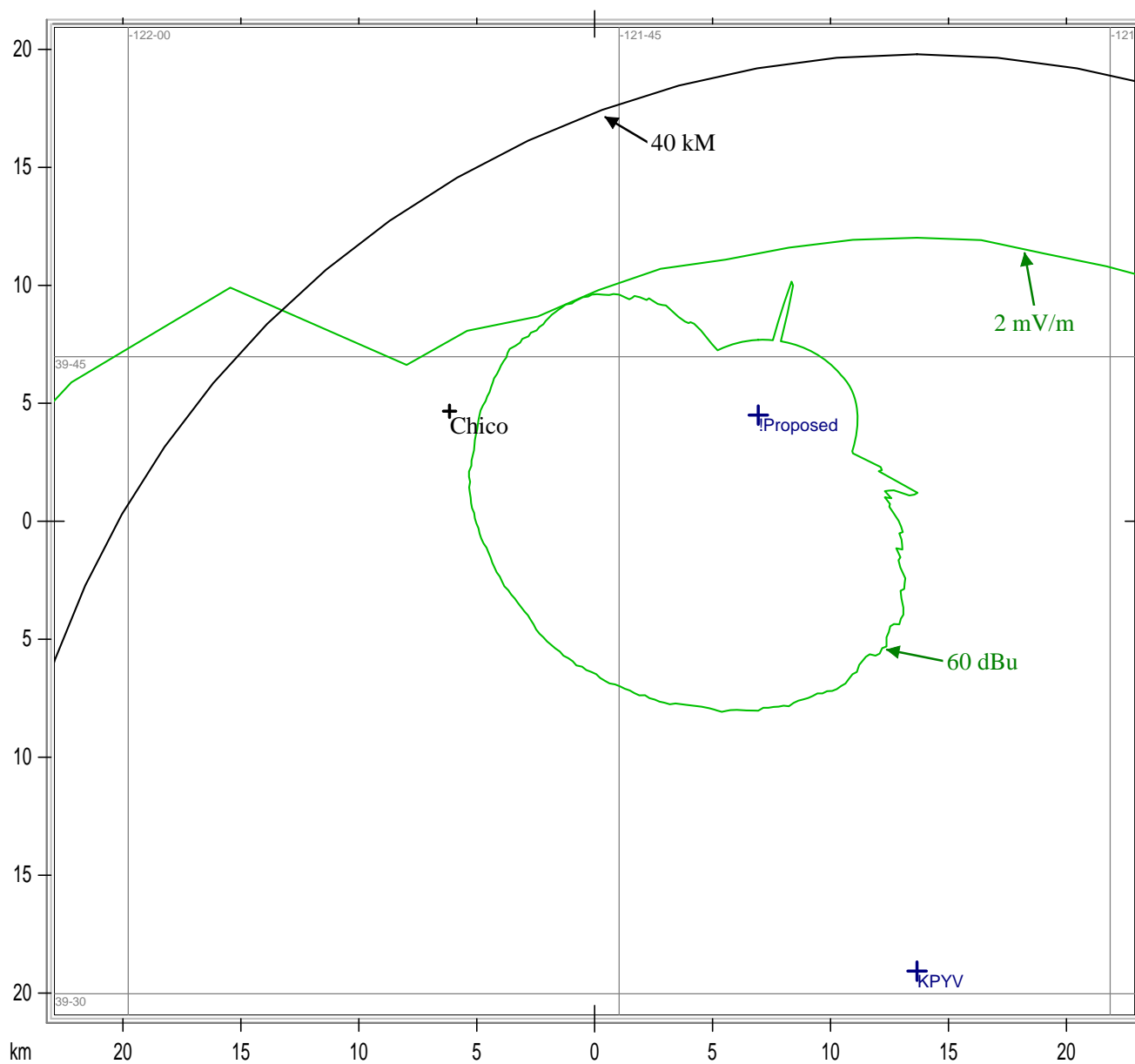
70.00	0.357	1.0	0.0048	037.5055	012.8276	-002.244
71.00	0.341	1.0	0.0044	035.8245	011.6633	-000.873
72.00	0.324	1.0	0.0040	034.0386	010.5185	000.627
73.00	0.307	1.0	0.0036	032.2526	009.4297	002.157
74.00	0.29	1.0	0.0032	030.4666	008.3977	003.714
75.00	0.273	1.0	0.0028	028.6806	007.4231	005.297
76.00	0.256	1.0	0.0025	026.8947	006.5064	006.904
77.00	0.239	1.0	0.0022	025.1087	005.6482	008.535
78.00	0.221	1.0	0.0019	023.2177	004.8272	010.290
79.00	0.204	1.0	0.0016	021.4317	004.0894	011.962
80.00	0.186	1.0	0.0013	019.5407	003.3932	013.756
81.00	0.168	1.0	0.0011	017.6496	002.7610	015.568
82.00	0.151	1.0	0.0009	015.8637	002.2078	017.291
83.00	0.133	1.0	0.0007	013.9726	001.7028	019.132
84.00	0.114	1.0	0.0005	011.9765	001.2519	021.089
85.00	0.096	1.0	0.0004	010.0855	000.8790	022.953
86.00	0.078	1.0	0.0002	008.1945	000.5716	024.825
87.00	0.059	1.0	0.0001	006.1984	000.3244	026.810
88.00	0.04	1.0	0.0001	004.2023	000.1467	028.800
89.00	0.021	1.0	0.0000	002.2062	000.0385	030.794
90.00	0.0	1.0	0.0000	000.0105	000.0000	032.989

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Figure 2-1



Figure 3



State Borders Lat/Lon Grid