

Allocation Study

The above-referenced application for a new translator is being amended to specify a new site and to operate as a fill-in for KKRO, Red Bluff, CA (Facility ID 40829). The proposed 60 dBu contour will overlap the existing application 60 dBu contour. As the proposed site is greater than 39 km from the nearest point of any market grid, no LPFM preclusion study is required.

The proposed translator will be located within the 60 dBu contour of 2nd adjacent KRDG, CH 287, Shingletown, CA. KRDG has a signal strength of 91.7 at the proposed translator site. The corresponding translator interference contour is 131.7 dBu which extends out 28.8 meters from the tower. The proposed translator will also be located within the 60 dBu contour of 2nd adjacent KRRX, CH 291, Burney, CA. KRRX has a signal strength of 68.2 dBu at the proposed translator site. The corresponding translator interference contour is 108.2 dBu which extends out 429.5 meters. The proposed translator site is located on a mountain in a very remote area of rugged terrain. Populated areas are well over 1.5 km from the site. Based on this, it is presented that the proposed translator complies with the requirements of Section 74.1204(d).

REFERENCE CH# 289D - 105.7 MHz, Pwr= 0.25 kW, HAAT= 441.2 M, COR= 951 M
 40 20 41.0 N. Average Protected F(50-50)= 27.1 km
 121 56 48.0 W. Omni-directional

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*
236B Chico	KMXI«	LIC CA	CN 336.7	156.6 BLH19840306DD	48.24	39 56 46.0 121 43 17.0	8.700 357	1.9 1056	15.4 Deer Creek Broadcasting, L	14.5R	33.7M
287C1 Shingletown	KRDG	LIC CA	NC 192.0	12.0 BLH19981007KD	16.33	40 29 19.0 121 54 23.0	28.000 379	8.8 1103	77.9 Mapleton License Of Reddin	-17.2*	-62.6*
288D Dunsmuir, Etc.	K288BH	LIC CA	DVN 163.0	343.2 BLFT19880920TB	102.20	41 13 30.0 122 18 00.0	0.056 257	24.0 1494	15.8 Quality Christian Media	49.1	41.1
288D Chico	639729	APP CA	C 341.7	161.6 BNPFT20030317MMM	72.29	39 43 37.0 121 40 45.0	0.010 121	4.4 401	3.2 Butte Broadcasting Company	42.8	31.1
288D Weaverville	K288BK	LIC CA	DHN 115.2	295.9 BLFT19790904II	96.90	40 43 11.0 122 58 46.0	0.050 314	19.6 1209	12.9 Weaverville Translator Co.	43.6	31.8
289C Reno	KOZZ-FM	LIC NV	NC 303.7	122.4 BLH20010103AAL	210.53	39 18 48.0 119 52 59.0	25.000 893	167.8 2967	77.0 Lotus Radio Corp.	24.9	77.3
289D Anderson	649801	APP CA	C 106.1	286.3 BNPFT20030317HUV	29.66	40 25 09.0 122 16 56.0	0.250 51	30.1 211	9.1 American Educational Broad	-35.1*	-76.3
289D Butte Creek	650402	APP CA	C 332.0	151.7 BNPFT20030317KJN	87.35	39 39 07.0 121 27 43.0	0.010 441	38.6 919	11.3 Irene J. Rice	25.0	4.8
289D Fall River Mills	K289AO	LIC CA	V 217.2	36.8 BLFT20061106AAU	101.34	41 04 21.0 121 13 23.0	0.011 291	44.8 1555	12.7 Calvary Chapel Of Twin Fal	32.0	15.1
290B Ukiah	KQPM	LIC CA	CN 35.2	215.9 BLH19890324KB	165.94	39 07 50.0 123 04 32.0	1.900 615	59.9 1139	51.7 Bicoastal Media Licenses,	75.3	48.6
291C Burney	KRRX	LIC CA	CN 189.2	9.1 BLH19850626KH	63.12	40 54 21.0 121 49 38.0	100.000 600	12.1 1729	83.4 Mapleton License Of Reddin	25.9	-21.4*

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= West Zone, 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.

Tabulation of HAAT / distance to 1 mV/m contour

CH 289D 40 20 41 / 121 56 48 .250 kW ERP (H&V) non-directional 951 M COR AMSL 441 M HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	523.7	427.3	250.0000	23.98	1.000	90.70
010	587.2	363.8	250.0000	23.98	1.000	86.26
020	591.5	359.5	250.0000	23.98	1.000	85.97
030	571.5	379.5	250.0000	23.98	1.000	87.34
040	619.1	331.9	250.0000	23.98	1.000	84.04
050	669.8	281.2	250.0000	23.98	1.000	80.11
060	711.4	239.6	250.0000	23.98	1.000	76.38
070	726.6	224.4	250.0000	23.98	1.000	75.03
080	758.5	192.5	250.0000	23.98	1.000	72.05
090	784.2	166.8	250.0000	23.98	1.000	69.44
100	799.3	151.7	250.0000	23.98	1.000	67.58
110	796.4	154.6	250.0000	23.98	1.000	67.96
120	782.9	168.1	250.0000	23.98	1.000	69.58
130	717.3	233.7	250.0000	23.98	1.000	75.86
140	658.8	292.2	250.0000	23.98	1.000	81.06
150	619.3	331.7	250.0000	23.98	1.000	84.03
160	587.4	363.6	250.0000	23.98	1.000	86.25
170	543.9	407.1	250.0000	23.98	1.000	89.29
180	490.1	460.9	250.0000	23.98	1.000	93.06
190	443.4	507.6	250.0000	23.98	1.000	96.38
200	434.6	516.4	250.0000	23.98	1.000	97.03
210	404.2	546.8	250.0000	23.98	1.000	99.17
220	384.4	566.6	250.0000	23.98	1.000	100.29
230	384.2	566.8	250.0000	23.98	1.000	100.30
240	322.9	628.1	250.0000	23.98	1.000	103.18
250	252.7	698.3	250.0000	23.98	1.000	106.62
260	235.5	715.5	250.0000	23.98	1.000	107.47
270	224.7	726.3	250.0000	23.98	1.000	108.01
280	240.8	710.2	250.0000	23.98	1.000	107.21
290	288.1	662.9	250.0000	23.98	1.000	104.86
300	303.5	647.5	250.0000	23.98	1.000	104.11
310	327.3	623.7	250.0000	23.98	1.000	102.97
320	358.2	592.8	250.0000	23.98	1.000	101.55
330	391.3	559.7	250.0000	23.98	1.000	99.92
340	438.0	513.0	250.0000	23.98	1.000	96.78
350	471.1	479.9	250.0000	23.98	1.000	94.40

Proposed 60 dBu and Existing Application 60 dBu Contour Map

