

Interference Study  
K277CJ Mod to move to 103.1  
December 15, 2013

ComStudy 2.2 search of channel 276 (103.1 MHz Class D)  
at 38-30-31.0 N, 122-39-43.0 W.

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
K276DT	SANTA ROSA	CA 276 D	9.07	0.00	190.6	See Note A
NEW	SANTA ROSA	CA 222 LP100	5.73	7.00	251.8	See Note C
KWVF	GUERNEVILLE	CA 274 A	32.30	0.00	266.2	See Note B
NEW	SANTA ROSA	CA 222 LP100	5.73	7.00	251.8	See Note C
KBLX-FM	BERKELEY	CA 275 B	93.13	0.00	167.7	0.18 dB
NEW	PETALUMA	CA 277 LP100	26.85	13.00	174.7	0.36 dB
NEW	SONOMA	CA 277 LP100	25.75	13.00	143.5	0.44 dB
K273AT	CLEARLAKE	CA 275 D	18.02	0.00	8.5	0.76 dB
KBLX-FM	BERKELEY	CA 275 B	93.13	0.00	167.7	1.61 dB
KUKI-FM	UKIAH	CA 277 B	104.98	0.00	330.2	2.23 dB
NEW	SANTA ROSA	CA 223 LP100	10.10	7.00	203.6	3.1
NEW	SANTA ROSA	CA 223 LP100	10.77	7.00	223.8	3.8
K278AH	CALISTOGA	CA 278 D	12.28	0.00	56.2	4.21 dB
KSFM	WOODLAND	CA 273 B	82.16	0.00	83.5	7.38 dB
KOSF	SAN FRANCISCO	CA 279 B	85.63	0.00	167.6	7.64 dB
K274CA	RIO NIDO	CA 274 D	26.30	0.00	277.7	9.14 dB
	CAZADERO	CA 274 A	43.95	0.00	280.3	12.60 dB
KOSF	SAN FRANCISCO	CA 279 B	93.22	0.00	167.7	12.81 dB
KSFM	WOODLAND	CA 273 B	82.16	0.00	83.5	13.94 dB
NEW	NAPA	CA 277 LP100	42.05	13.00	123.9	14.16 dB
KUKI-FM	UKIAH	CA 277 B	105.02	0.00	330.1	17.16 dB
	CLOVERDALE	CA 274 A	39.62	0.00	310.5	17.29 dB
KKCY	COLUSA	CA 276 A	106.47	0.00	43.0	19.37 dB
K276EK	VACAVILLE	CA 276 D	62.20	0.00	109.6	19.13 dB
KATM	MODESTO	CA 277 B	154.69	0.00	131.8	19.66 dB
KBLX-FM	BERKELEY	CA 275 B	93.13	0.00	167.7	22.18 dB
KBLX-FM2	PLEASANTON	CA 275 D	95.32	0.00	136.8	23.67 dB
KKCY	COLUSA	CA 276 A	96.07	0.00	36.1	24.73 dB
KSFM	WOODLAND	CA 273 B	82.16	0.00	83.5	27.32 dB
NEW	SACRAMENTO	CA 276 LP100	103.29	24.00	86.1	27.57 dB
NEW	SACRAMENTO	CA 276 LP100	103.16	24.00	84.8	27.73 dB
NEW	SACRAMENTO	CA 276 LP100	103.81	24.00	85.0	27.74 dB
NEW	SACRAMENTO	CA 276 LP100	104.39	24.00	87.0	27.75 dB
KOSF-FM2	PLEASANTON, ETC.	CA 279 D	95.34	0.00	136.8	29.84 dB
K277CH	BROADMOOR	CA 277 D	106.26	0.00	171.3	29.71 dB
K276BR	SANTA CRUZ	CA 276 D	174.11	0.00	162.5	31.33 dB
KOSF	SAN FRANCISCO	CA 279 B	85.60	0.00	167.5	31.79 dB
K273AT	CLEAR LAKE	CA 273 D	60.02	0.00	351.5	33.40 dB
KHHM	SACRAMENTO	CA 278 A	103.28	0.00	86.1	33.31 dB
K273AT	CLEARLAKE	CA 273 D	60.01	0.00	351.4	33.41 dB
NEW	DAVIS	CA 275 LP100	78.19	13.00	84.9	34.36 dB
KDON-FM	SALINAS	CA 273 B	219.81	0.00	152.0	34.74 dB
NEW	SAN FRANCISCO	CA 273 LP100	85.62	6.00	167.6	35.70 dB
NEW	SAN FRANCISCO	CA 273 LP100	93.31	6.00	167.6	36.78 dB

Note A: This application is being filed concurrently with an application for K276DT to move to channel 278 (103.5 MHz). The applicants propose to construct the minor mod to move K277CJ to channel 276 and the minor mod to move K276DT to channel 278 simultaneously. The applicant requests the

ability to operate on the 2<sup>nd</sup> adjacent channel to K276DT's mod to move to channel 278. The proposed site is atop Mt. Barham and is devoid of people, homes, roads, and businesses. Please see attached topographic map. The applicant requests a waiver of 74.1204(d) to operate on the 2<sup>nd</sup> adjacent channel due to no population in the interfering contour area.

Note B: The applicant requests the ability to operate on the 2<sup>nd</sup> adjacent channel to KWVF due to no population in the interfering contour. The applicant proposes to operate on a mountaintop devoid of people, homes, businesses and roads. Please see attached topographic map. The applicant requests a waiver of 74.1204(d) to operate on the 2<sup>nd</sup> adjacent channel to KWVF due to no population in the interfering contour.

Note C: The applicant proposes operating at a power less than 100 watts, and therefore it is acceptable to operate on 53/54 channels above the proposed LPFM on channels 222 / 223 in Santa Rosa, CA