

Interference Study  
K276DT Minor Mod to  
Move to 103.5  
12/12/2013

ComStudy 2.2 search of channel 278 (103.5 MHz Class D) at  
38-25-07.0 N, 122-40-33.0 W.

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
K277CJ	SANTA ROSA	CA 278 D	10.07	0.00	7.2	See Note A
K278AH	CALISTOGA	CA 278 D	20.33	0.00	34.1	See Note B
KOSF	SAN FRANCISCO	CA 279 B	76.21	0.00	165.0	0.08 dB
KJOR	WINDSOR	CA 281 A	23.92	0.00	304.8	See Note C
KJOR	WINDSOR	CA 281 A	23.92	0.00	304.8	0.93 dB
KUKI-FM	UKIAH	CA 277 B	113.19	0.00	333.2	1.04 dB
NEW	PETALUMA	CA 277 LP100	17.14	13.00	167.6	1.10 dB
KOSF	SAN FRANCISCO	CA 279 B	83.79	0.00	165.4	2.62 dB
KBLX-FM	BERKELEY	CA 275 B	83.70	0.00	165.4	8.47 dB
KBLX-FM	BERKELEY	CA 275 B	83.70	0.00	165.4	9.95 dB
KOSF-FM2	PLEASANTON, ETC.	CA 279 D	89.24	0.00	131.8	12.44 dB
NEW	SONOMA	CA 277 LP100	19.71	13.00	122.9	13.94 dB
KUKI-FM	UKIAH	CA 277 B	113.23	0.00	333.2	15.97 dB
K273AT	CLEARLAKE	CA 275 D	28.08	0.00	7.9	20.49 dB
KOSF	SAN FRANCISCO	CA 279 B	76.18	0.00	165.0	21.97 dB
KHKK	MODESTO	CA 281 B	135.27	0.00	128.7	21.33 dB
KATM	MODESTO	CA 277 B	149.19	0.00	128.6	23.01 dB
KFGY	HEALDSBURG	CA 225 B	40.77	15.00	339.6	25.8
KFGY	HEALDSBURG	CA 225 B	40.77	15.00	339.6	25.8
KHSL-FM	PARADISE	CA 278 B1	190.05	0.00	25.5	27.97 dB
NEW	NAPA	CA 277 LP100	38.57	13.00	110.4	27.70 dB
911115MR	WINDSOR	CA 281 A	28.12	0.00	319.3	27.35 dB
K277CH	BROADMOOR	CA 277 D	96.61	0.00	169.7	28.81 dB
KBLX-FM	BERKELEY	CA 275 B	83.70	0.00	165.4	30.78 dB
KHHM	SACRAMENTO	CA 278 A	105.63	0.00	80.7	30.48 dB
KKCY	COLUSA	CA 276 A	114.74	0.00	40.0	36.63 dB
K281BU	SAN FRANCISCO	CA 281 D	76.21	0.00	165.0	36.71 dB
NEW	DAVIS	CA 279 D	76.35	0.00	83.3	37.70 dB
	YUBA CITY	CA 280 B1	114.74	0.00	40.0	38.15 dB
KKFS	LINCOLN	CA 280 A	144.24	0.00	68.8	38.88 dB

Note A: This application is being filed concurrently with a move of K277CJ from 103.3 (Channel 277) to 103.1 (Channel 276). The licensees of K277CJ and K276DT propose to coordinate with each other to simultaneously build out the minor mod of K277CJ to move to 103.1 and the minor mod of K276DT to 103.5 and to simultaneously file the license applications for their minor modification permits. Both sites are atop uninhabited mountaintops for which there are no homes, businesses or public roads. Please see attached topographic map. The applicant requests a waiver of 74.1204(b) to operate on the 2<sup>nd</sup> adjacent channel to the move of K277CJ to Channel 276.

Note B: The applicant requests the ability to be within the interfering contour of K278AH and to accept interference from K278AH. The interfering contour of this proposed application will not overlap the service contour of K278AH. Furthermore, there is terrain shielding between K278AH and K276DT. Please see attached contour map to K278AH demonstrating lack of overlap of the proposed interfering contour of K276DT to K278AH's protected contour.

Also, the map demonstrates a mountain ridge between the two stations that prevents any interference to any people.

Note C: The applicant proposes to locate on Taylor Mountain devoid of any people in the interfering contour. There are no homes, businesses, or public roads near the site. The applicant requests a waiver of 74.1204(b) to operate on the 3<sup>rd</sup> adjacent channel to KJOR Windsor. Please see attached topographic map.