

napa_interference_study.txt

Interference Study

Napa 233

1/22/2014

ComStudy 2.2 search of channel 233 (94.5 MHz Class D) at 38-15-51.0 N, 122-12-54.0 W.

CALL	CITY	ST	CHN	CL	DI ST	SEP	BRNG	CLEARANCE
KPFA	BERKELEY	CA	231	B	44.28	0.00	180.6	See Note A
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KYLD	SAN FRANCISCO	CA	235	B	66.68	0.00	196.9	See Note A
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KBAY	GILROY	CA	233	B	123.40	0.00	161.6	0.08 dB
KWNE	UKIAH	CA	233	B	121.88	0.00	322.5	0.48 dB
KKDO	FAIR OAKS	CA	234	B1	89.49	0.00	59.2	11.30 dB
KPFA	BERKELEY	CA	231	B	44.28	0.00	180.6	12.17 dB
KYLD-FM1	PLEASANTON	CA	235	D	49.79	0.00	148.5	13.99 dB
KWNE	UKIAH	CA	233	B	121.88	0.00	322.5	15.29 dB
NEW	STOCKTON	CA	233	D	85.91	0.00	105.2	17.31 dB
NEW	STOCKTON	CA	233	D	86.64	0.00	107.8	17.29 dB
KBAY	GILROY	CA	233	B	132.12	0.00	165.6	19.85 dB
NEW	TRACY	CA	233	D	92.24	0.00	125.4	19.55 dB
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KYLD	SAN FRANCISCO	CA	235	B	66.68	0.00	196.9	20.63 dB
KGRB	JACKSON	CA	232	B1	137.34	0.00	83.1	26.24 dB
KHOP	OAKDALE	CA	236	B	157.84	0.00	108.9	28.36 dB
KGRB	JACKSON	CA	232	B1	131.02	0.00	85.8	28.79 dB
KPFA-FM3	OAKLEY	CA	231	D	49.64	0.00	146.2	30.71 dB
KKDO	FAIR OAKS	CA	234	B1	89.59	0.00	59.2	33.57 dB
KMXI	CHICO	CA	236	B	191.54	0.00	12.7	34.80 dB

Note A: The applicant proposes to operate on an uninhabited mountaintop devoid of people, businesses, and roads. The applicant requests a waiver of 74.1204(d) in order to operate on the 2nd adjacent channel to KPFA and KYLD. The interfering 100 dBu contour extends at most 350 meters from the tower. Attached is a portion of the USGS Mt. George (CA) Quadrangle showing the interference contour in yellow.