

K298AZ_Interference_Study.txt

Interference Study
K298AZ
January 30, 2014

ComStudy 2.2 search of channel 298 (107.5 MHz Class D) at 38-30-31.0 N, 122-39-41.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
K300AO	SANTA ROSA	CA	300	D	0.00	0.00	90.0	See Note B
KOWS-LP	OCCIDENTAL	CA	297	LP100	27.93	13.00	247.4	3.01 dB
KOWS-LP	OCCIDENTAL	CA	297	LP100	22.73	13.00	240.5	0.42 dB
K300AO	Santa Rosa	CA	300	D	13.31	9.08	190.9	0.76 dB
KFRC-FM	SAN FRANCISCO	CA	295	B	74.38	0.00	168.8	See Note A
KQPT	COLUSA	CA	298	B	91.07	0.00	18.0	0.94 dB
KSRT	CLOVERDALE	CA	296	A	47.46	0.00	315.0	1.52 dB
KSAN	SAN MATEO	CA	299	B	93.12	0.00	167.7	5.70 dB
KSAN	SAN MATEO	CA	299	B	93.12	0.00	167.7	5.77 dB
KLVS	LIVERMORE	CA	297	B	95.30	0.00	136.8	5.53 dB
KFRC-FM	SAN FRANCISCO	CA	295	B	74.42	0.00	168.8	9.96 dB
KFRC-FM	SAN FRANCISCO	CA	295	B	74.42	0.00	168.8	9.96 dB
KSAN-FM1	PLEASANTON, ETC.	CA	299	D	95.28	0.00	136.8	9.35 dB
KLVS	LIVERMORE	CA	297	B	108.54	0.00	134.5	13.10 dB
KQPT	COLUSA	CA	298	B	91.07	0.00	18.0	15.36 dB
KDND	SACRAMENTO	CA	300	B	105.17	0.00	77.3	17.23 dB
951206MD	HEALDSBURG	CA	244	A	28.27	10.00	331.2	18.3
KNOB	HEALDSBURG	CA	244	A	30.01	10.00	327.3	20.0
KDND	SACRAMENTO	CA	300	B	105.17	0.00	77.3	23.07 dB
KQPT	COLUSA	CA	298	B	91.07	0.00	18.0	26.04 dB
KFRC-FM	SAN FRANCISCO	CA	295	B	74.54	0.00	169.0	27.39 dB
KSAN	SAN MATEO	CA	299	B	93.12	0.00	167.7	28.07 dB
K296ES	LAKEPORT	CA	296	D	77.81	0.00	332.7	29.20 dB
KLVS-FM1	OAKLAND	CA	297	D	99.23	0.00	151.3	29.35 dB
KLVS-FM3	HAYWARD	CA	297	D	99.23	0.00	151.3	31.57 dB
KSRT	CLOVERDALE	CA	296	A	44.75	0.00	316.5	35.19 dB
KLVS-FM2	CONCORD	CA	297	D	78.47	0.00	132.5	35.15 dB
KNYO-LP	FORT BRAGG	CA	299	LP100	139.95	13.00	316.4	37.75 dB

Note A: The applicant requests furtherance of its waiver to operate on the 3rd adjacent channel to KRFC-FM. Please see attached topographic map.

Note B: This proposal is co-located with the existing license for K300AO. Due to this proposal not being more than 40 dB higher in signal strength to K300AO, there will not be any interference.