

MAXIMUM RADATION STUDY
FOR 73.215 CONTOUR PROTECTION

Larry Waggoner

09-19-2006

VHF Low Band FM, Maximum Effective Radiated Power
For KSNP at N38-09-57 W95-32-19 Rad Ctr: 502 meters AMSL
Based on 1 degree study near direct line between sites
with data stored at nearest 5 degree azimuth.

Azimuth	Max ERP	Station	Contour	KSNP	
25	162.9	KPOW-FM	40	60	F(50,10)
30	97.9	KPOW-FM	40	60	F(50,10)
35	60.7	KPOW-FM	40	60	F(50,10)
40	41.0	KPOW-FM	40	60	F(50,10)
45	31.5	KPOW-FM	40	60	F(50,10)
50	27.9	KPOW-FM	40	60	F(50,10)
55	23.9	KPOW-FM	40	60	F(50,10)
60	23.0	KPOW-FM	40	60	F(50,10)
65	22.6	KPOW-FM	40	60	F(50,10)
70	24.8	KPOW-FM	40	60	F(50,10)
75	27.3	KPOW-FM	40	60	F(50,10)
80	33.9	KPOW-FM	40	60	F(50,10)
85	39.2	KPOW-FM	40	60	F(50,10)
90	54.5	KPOW-FM	40	60	F(50,10)
95	80.2	KPOW-FM	40	60	F(50,10)
100	160.2	KPOW-FM	40	60	F(50,10)
270	174.6	KJCK-FM	54	60	F(50,10)
275	95.6	KJCK-FM	54	60	F(50,10)
280	48.4	KJCK-FM	54	60	F(50,10)
285	33.6	KJCK-FM	54	60	F(50,10)
290	25.2	KJCK-FM	54	60	F(50,10)
295	21.6	KJCK-FM	54	60	F(50,10)
300	18.3	KJCK-FM	54	60	F(50,10)
305	17.3	KJCK-FM	54	60	F(50,10)
310	17.3	KJCK-FM	54	60	F(50,10)
315	18.2	KJCK-FM	54	60	F(50,10)
320	19.4	KJCK-FM	54	60	F(50,10)
325	24.1	KJCK-FM	54	60	F(50,10)
330	30.0	KJCK-FM	54	60	F(50,10)
335	46.1	KJCK-FM	54	60	F(50,10)
340	72.0	KJCK-FM	54	60	F(50,10)
345	128.8	KJCK-FM	54	60	F(50,10)