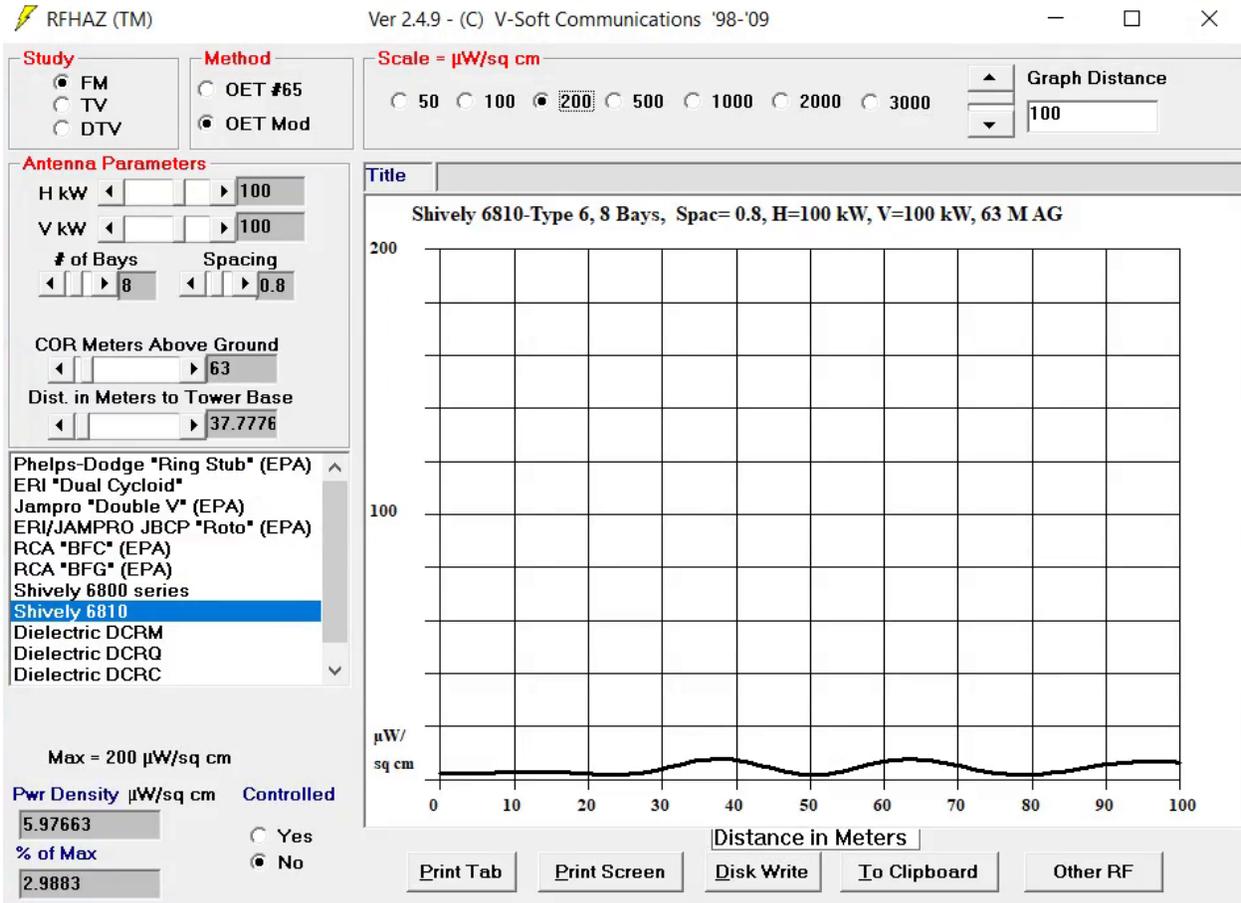


KSOS operates at 100KW ERP from a Shively 8-Bay, 0.8 wavelength spaced antenna, designed to minimize RF level at the ground level. The transmission site is fully controlled, with several gates and a fence completely enclosing the compound. Warning signs are posted throughout.

The calculated levels for a person at 2-meters high are well below occupational and public maximum permissible levels at any distance from the antenna. Below is a graphic and data from V-Soft's RFHazz software for an uncontrolled site (but our facility is in a controlled site):



Values Use EPA Studies - Uncontrolled

Dist, Total mW/ Sqcm , % Max

0 meters	0.3443412 $\mu\text{W}/\text{cm}^2$	0.1721706 %
5	0.5481007	0.2740504
10	0.9439523	0.4719762
15	1.107616	0.5538082
20	0.3549675	0.1774837
25	0.1172354	5.861772E-02
30	2.194871	1.097436

35	5.316723	2.658361
40	5.526894	2.763447
45	2.283305	1.141653
50	0.0103875	5.19375E-03
55	1.728266	0.8641332
60	4.938292	2.469146
65	5.66904	2.83452
70	3.379615	1.689808
75	0.7075974	0.3537987
80	8.645782E-02	4.322891E-02
85	1.655185	0.8275926
90	3.838305	1.919153
95	5.02037	2.510185
100	4.630392	2.315196

The maximum calculated exposure is 6 $\mu\text{W}/\text{cm}^2$, or 3% of allowable level, for the public at 38 meters from the tower. In reality, the elevation falls away quickly from the tower and these levels would not be realized. And it is a controlled site so the percentage for occupational areas is even lower.

For occupational work in the area and work above ground level, transmission levels for KSOS are always radically lowered to allow safe RF levels during work.

Prepared by Daniel Grimes, Broadcast Engineer, Southwest Region, Faith Communication Corporation/SOS Radio Network, Las Vegas Nevada.