

EXHIBIT 43
ENVIRONMENTAL PROCESSING EXCLUSION
KOIN-DT 1,000KW 523.3M HAAT CH. 40
PORTLAND, OREGON

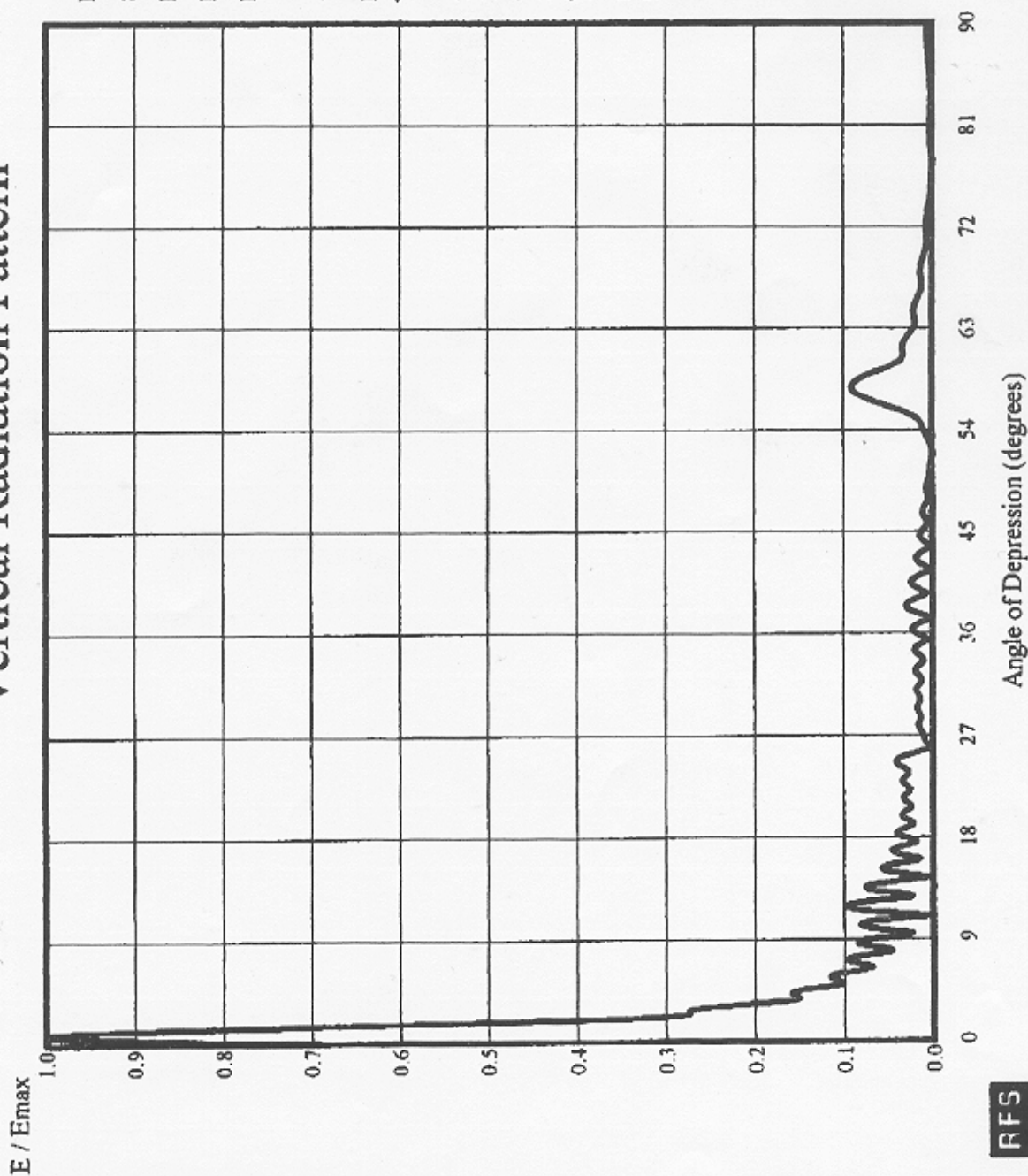
This minor change application is categorically excluded from environmental processing by Section 1.1306 of the FCC Rules. It is excluded since the application does not involve a site location as described in Section 1.1307(a) and does not exceed the safety standards for human exposure to radio-frequency (RF) energy in Section 1.1307(b) as described below. Since the application is considered not to have a significant effect on the quality of the human environment under Section 1.1307(a) and (b), environmental processing is not required.

The proposal to increase horizontal ERP to 1,000 kW will not result in human exposure to levels of RF energy in excess of the maximum permissible limits for general and occupational exposure in the Commission's *OET Bulletin 65, Version 97-01*. The maximum permissible exposure (MPE) limit for Channel 40, at the center frequency of 629 MHz, is 419.33 $\mu\text{W}/\text{cm}^2$ for general (uncontrolled) exposure and 2,096.67 $\mu\text{W}/\text{cm}^2$ for occupational (controlled) exposure. Attached as Appendix A is an antenna elevation pattern that was supplied by the manufacturer that shows less than 10% relative field at all angles greater than 15° below the horizontal. The "worst case" power density level at 2 meters above ground at the base of the antenna supporting structure, assuming 10%

relative field, is calculated to be $4.01 \mu\text{W}/\text{cm}^2$. This low power density level is less than 1% of the guideline for both controlled and uncontrolled exposure. Since the estimated worst case exposure level at 2 meters above ground is less than 5% of the MPE limits, the applicant is not required to share responsibility for compliance in any accessible area or areas where the appropriate limits may be exceeded as a result of contributions from other co-located or nearby RF sources as directed in Section 1.1307(b) of the FCC Rules. Accordingly, it is not necessary to further evaluate the antenna location with respect other RF contributors.

The applicant has adopted a work policy in coordination with other users of the site to avoid occupational exposure in excess of the MPE controlled limit. Workers will be protected from excessive exposure in areas of close proximity to RF sources in accordance with the methods recommended in the Commission's *OET Bulletin No. 65, Version 97-01*. Preventive steps to avoid harmful exposure include scheduling work when the facility is shut down or operating at reduced power or by time averaging. In addition, the antenna supporting structure and base facilities have also been equipped with suitable warning signs to restrict and control access.

Vertical Radiation Pattern



Date : 10/3/01

Station :

Frequency (MHz) : 629.00

Directivity (dB) : 15.58

Beam Tilt (deg) : 0.7°

1/2 3dB Beamwidth : 11.5

Vertical Spacing (m) : 1.150

Level Power Phase Loc'n Tilt

1	1.000	216.9	0.000	0.0
2	1.000	151.9	1.150	0.0
3	1.000	130.1	2.300	0.0
4	1.000	107.4	3.450	0.0
5	1.000	90.0	4.600	0.0
6	1.000	74.9	5.750	0.0
7	1.000	58.6	6.900	0.0
8	1.000	49.9	8.050	0.0
9	1.000	33.6	9.200	0.0
10	1.000	28.2	10.350	0.0
11	1.000	14.1	11.500	0.0
12	1.000	14.1	12.650	0.0
13	1.000	1.1	13.800	0.0
14	1.000	9.8	14.950	0.0
15	1.000	0.0	16.100	0.0
16	1.000	49.9	17.250	0.0

