

EXHIBIT 29

The purpose for this application is to increase the antenna ERP to 10.0 kW H&V. An Environmental Assessment (EA) is categorically excluded under 47 C.F.R. Section 1.1306(b) of the FCC Rules and Regulations since the Applicant's proposal does not:

1. Involve a site location specified under 47 C.F.R. Section 1.1307(a)(1) through (7).
2. Involve high intensity lighting under 47 C.F.R. Section 1.1307(a)(8).
3. Result in human exposure to radiofrequency radiation in excess of the applicable safety standards specified in 47 C.F.R. Section 1.1307(b), (ANSI C95.1-1982 and ANSI C95.1-1991).

The existing antenna site is limited to authorized personnel by means of a locked access road gate some distance from the antenna support tower and should be considered a controlled environment since public access is restricted from this area.

The Maximum Permissible Exposure (MPE) for controlled environments at the FM frequency of 107.3 MHz is 1000 uW/cm². The contributing radio frequency power density at a height of 2.0 meters above ground level from the KNHT antenna, radiating a total of 10.0 kW ERP-H and 10.0 kW ERP-V, is plotted on the attached Exhibit 29A. The maximum RF power density at all depression angles towards the ground from the Shively four element antenna is less than 980 uW/cm².

Also installed on this antenna support structure is the three element FM antenna for radio station KJNY which operates with an antenna power of 6.0 kW H&V. The KJNY FM antenna center of radiation is mounted 49 meters above ground level and the contributing radio frequency power density at a height of 2.0 meters above ground level from the KJNY antenna is less than 20 uW/cm² as plotted on the attached Exhibit 29B. The combined RF power densities from both KNHT and KJNY at 2 meters above the ground at all areas surrounding the support structure is slightly less than 1000 uW/cm².

Therefore, the proposed installation does comply with ANSI and FCC specified guidelines for controlled human exposure to radio frequency radiation. The antenna supporting tower will be fenced to prevent unauthorized access. Signs will be placed on posts at a radius of 9 meters surrounding the antenna support tower stating "Caution - high level radio frequency energy area - No Trespassing". The Applicant will instruct all personnel to terminate RF radiations from this antenna when service work requires that persons climb the tower for any purpose.

The Applicant believes there will be no significant effect on the human environment regarding public exposure or occasional visits by technical personnel and that the warning signs will be sufficient for proper notification of a potential hazard.

Mode Study Method

☒ Reg
☐ Spd

☒ FM
☐ TV

☐ OET #65
☒ OET Mod

Scale = $\mu\text{W}/\text{sq cm}$

☐ 50 ☐ 100 ☐ 200 ☐ 500 ☒ 1000 ☐ 2000 ☐ 3000

Antenna Parameters

H kW

V kW

of Bays Spacing

COR Meters Above Ground

Dist. in Meters to Tower Base

EPA Antenna Types

- ☐ 1.) Dipole/Ring Stub
- ☐ 2.) Jampro Double V
- ☐ 3.) ERI/Jampro Roto
- ☐ 4.) RCA (old BFG)
- ☐ 5.) Dielectric (BFC)
- ☒ 6.) Shively 6800

Print

Disk

Tab

Max = 1000 $\mu\text{W}/\text{sq cm}$

Pwr Density % of Max Controlled

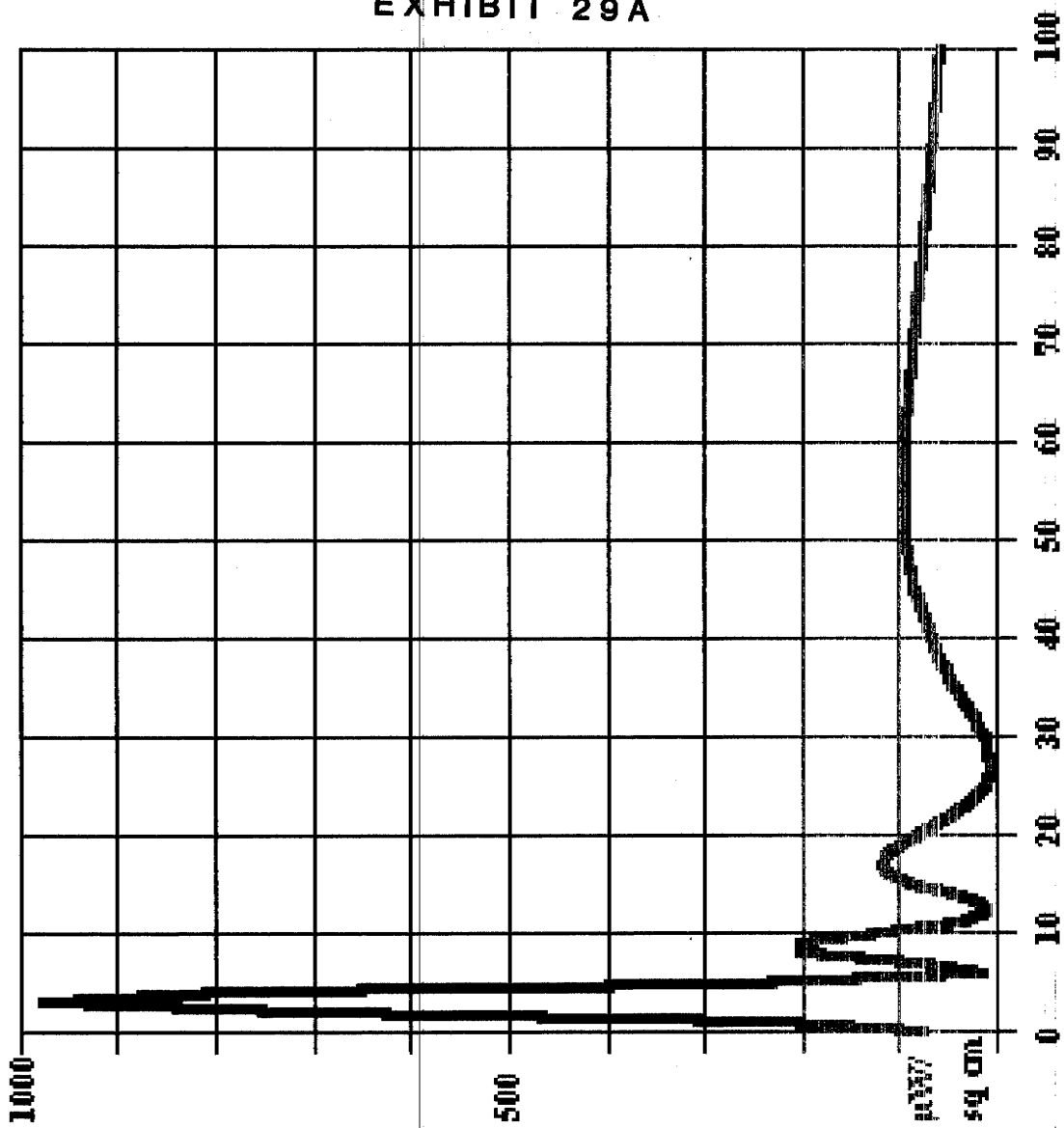
☒ Yes
☐ No

$\mu\text{W}/\text{sq cm}$

Title KNHT 297 C1 RIO DELL, CA

Shively 6800, 4 Bays, Spec.= 1 W, Pwr H=10 Pwr V=10

EXHIBIT 29A



Distance in Meters

Mode Study Method

☒ Reg
☐ Spd

☒ FM
☐ TV

☐ OET #65
☒ OET Mod

Scale = $\mu\text{W}/\text{sq cm}$

☐ 50 ☐ 100 ☐ 200 ☐ 500 ☒ 1000 ☐ 2000 ☐ 3000

Antenna Parameters

H kW

V kW

of Bays Spacing

CDR Meters Above Ground

Dist. in Meters to Tower Base

EPA Antenna Types

- ☐ 1.) Dipole/Ring Stub
- ☐ 2.) Jampro Double V
- ☒ 3.) ERI/Jampro Roto
- ☐ 4.) RCA (old BFG)
- ☐ 5.) Dielectric (BFC)
- ☐ 6.) Shively 6800

Print

Disk

Tab

Max = 1000 $\mu\text{W}/\text{sq cm}$

Pwr Density % of Max Controlled

☒ Yes
☐ No

$\mu\text{W}/\text{sq cm}$

Title KJNY 256 C1 FERNDAL, CA

ERI/Jampro Roto, 3 Bays, Spec.= 1 W, Pwr H=6 Pwr V=6

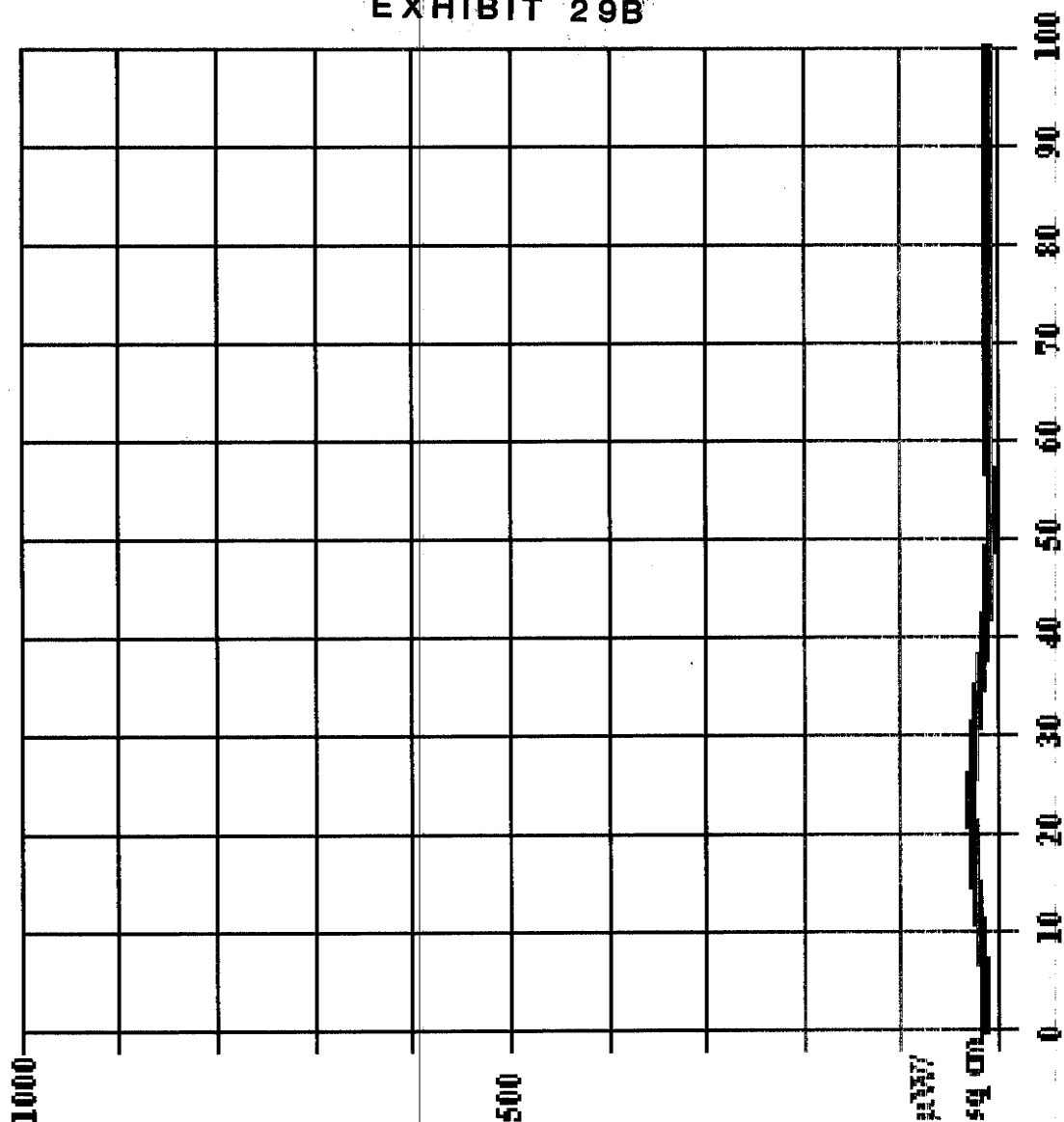


EXHIBIT 29B