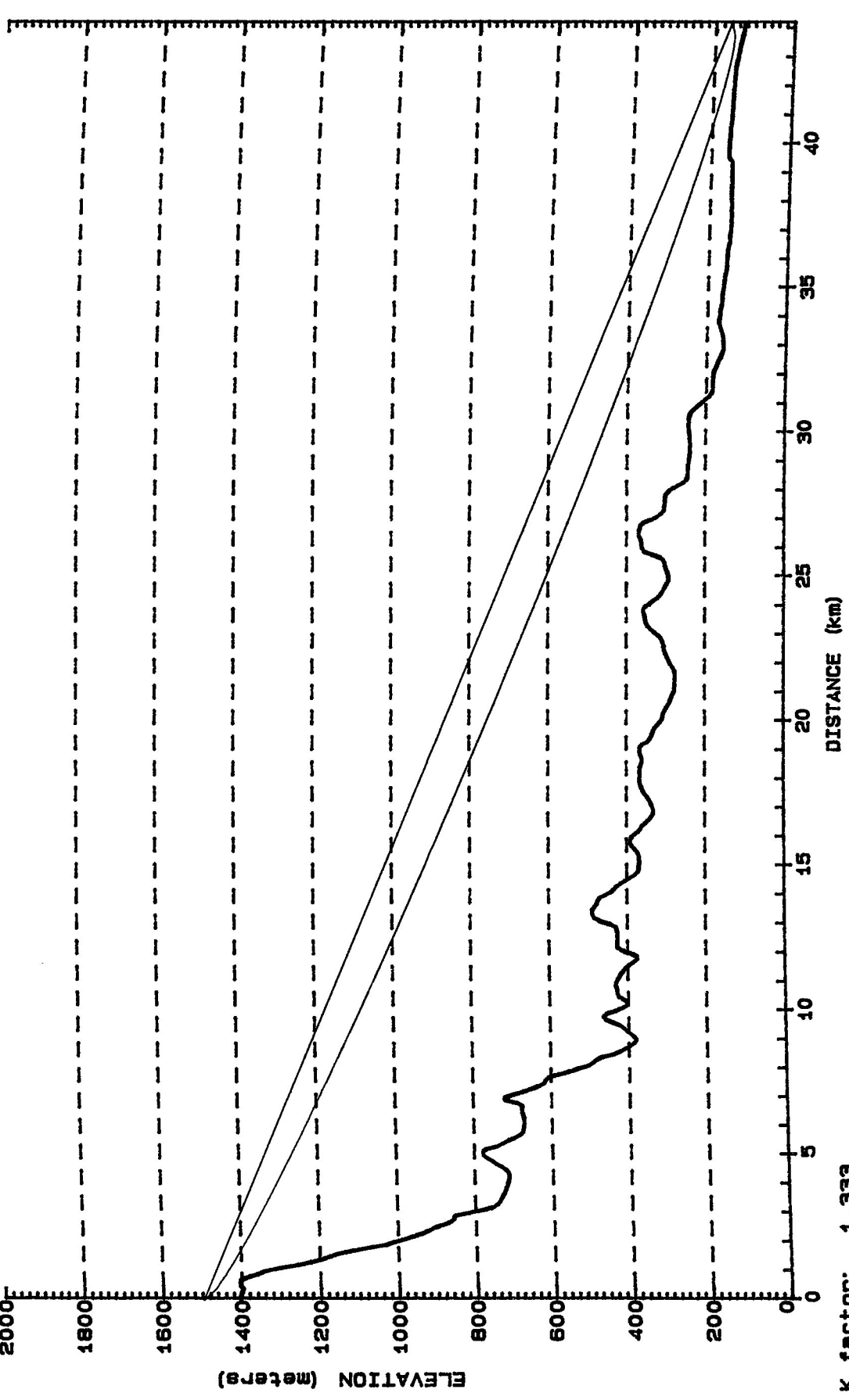


Site: BLUE MOUNTAIN
 N 35 45 36 W 118 45 30
 Ant. Elev. (AMSL): 1497.0 m
 Path azimuth: 322.82 degs.
 Frequency: 101.5 MHz
 Path Length: 44.2 km
 Total Path Loss: 104.0 dB
 Excess Path Loss: -1.4 dB

Site: E. PORTERVILLE #1
 N 36 4 34 W 119 3 19
 Ant. Elev. (AMSL): 160.0 m
 Path azimuth: 142.65 degs.



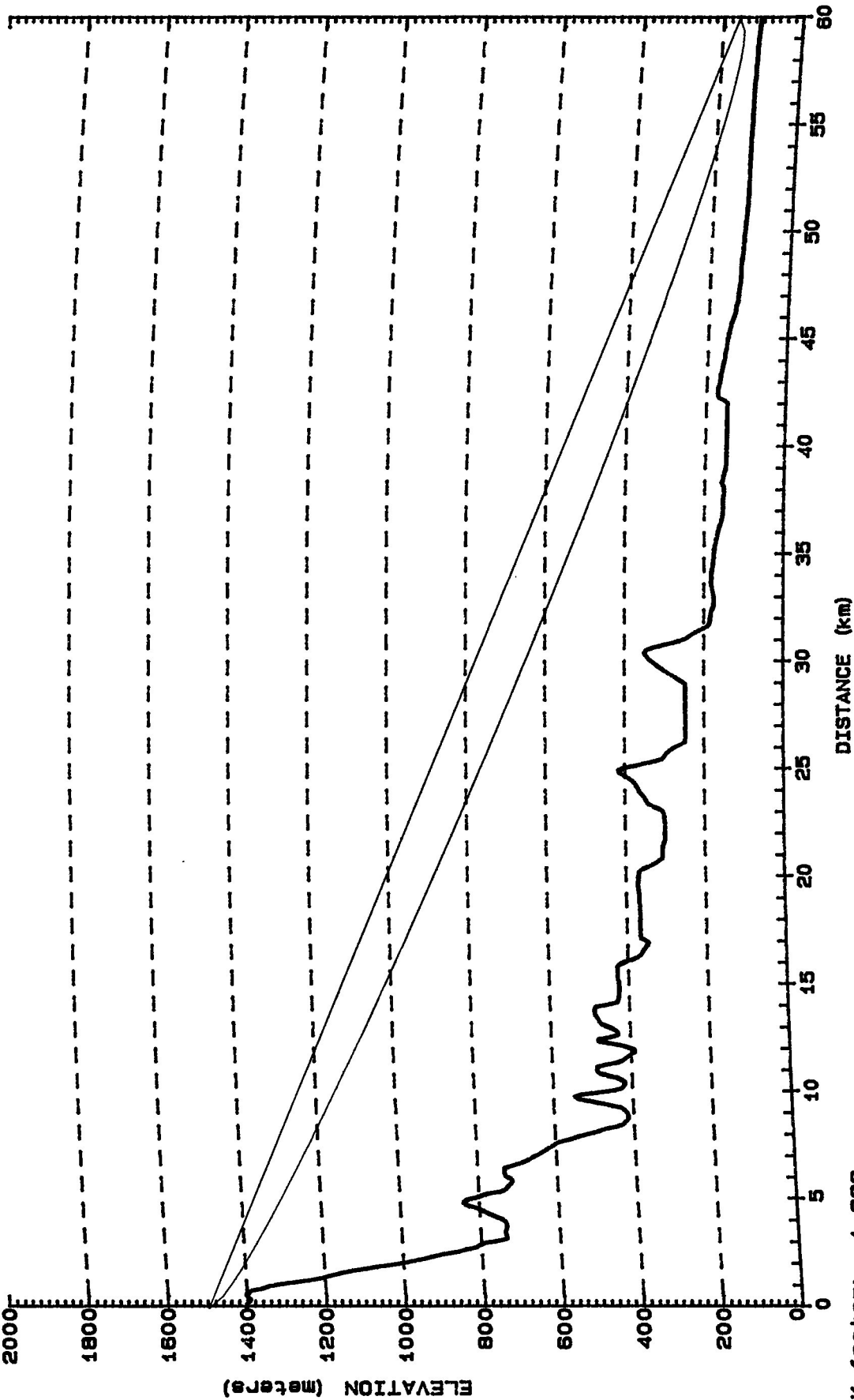
K factor: 1.333
 Fresnel Zone: .60
 3 Second Database - NAD 27
 Rain loss: .0 dB
 Urban loss: .0 dB
 Foliage loss: .0 dB

| | | |
|--|--|---|
| PATH PROFILE N 322.8 E Sept. 2005 Eng. Ex V-A | | Moon Holdings, L.L.C. Los Angeles, CA Path Study to Site #1 |
| | | Lieberman & Malisko Consulting Engineers Silver Spring, MD |

Site: BLUE MOUNTAIN
N 35 45 36 W 118 45 30
Ant. Elev. (AMSL): 1497.0 m
Path azimuth: 325.61 degs.

Frequency: 101.5 MHz
Path Length: 60.0 km
Total Path Loss: 106.0 dB
Excess Path Loss: -2.2 dB

Site: PORTERVILLE #2
N 36 12 17 W 119 8 10
Ant. Elev. (AMSL): 160.0 m
Path azimuth: 145.38 degs.



K factor: 1.333
Fresnel Zone: .60
3 Second Database - NAD 27
Rain loss: .0 dB
Urban loss: .0 dB
Foliage loss: .0 dB

Lieberman & Malisko
Consulting Engineers
Silver Spring, MD

Koon Holdings, L.L.C.
Los Angeles, CA
Path Study to Site #2

PATH PROFILE

N 325.6 E

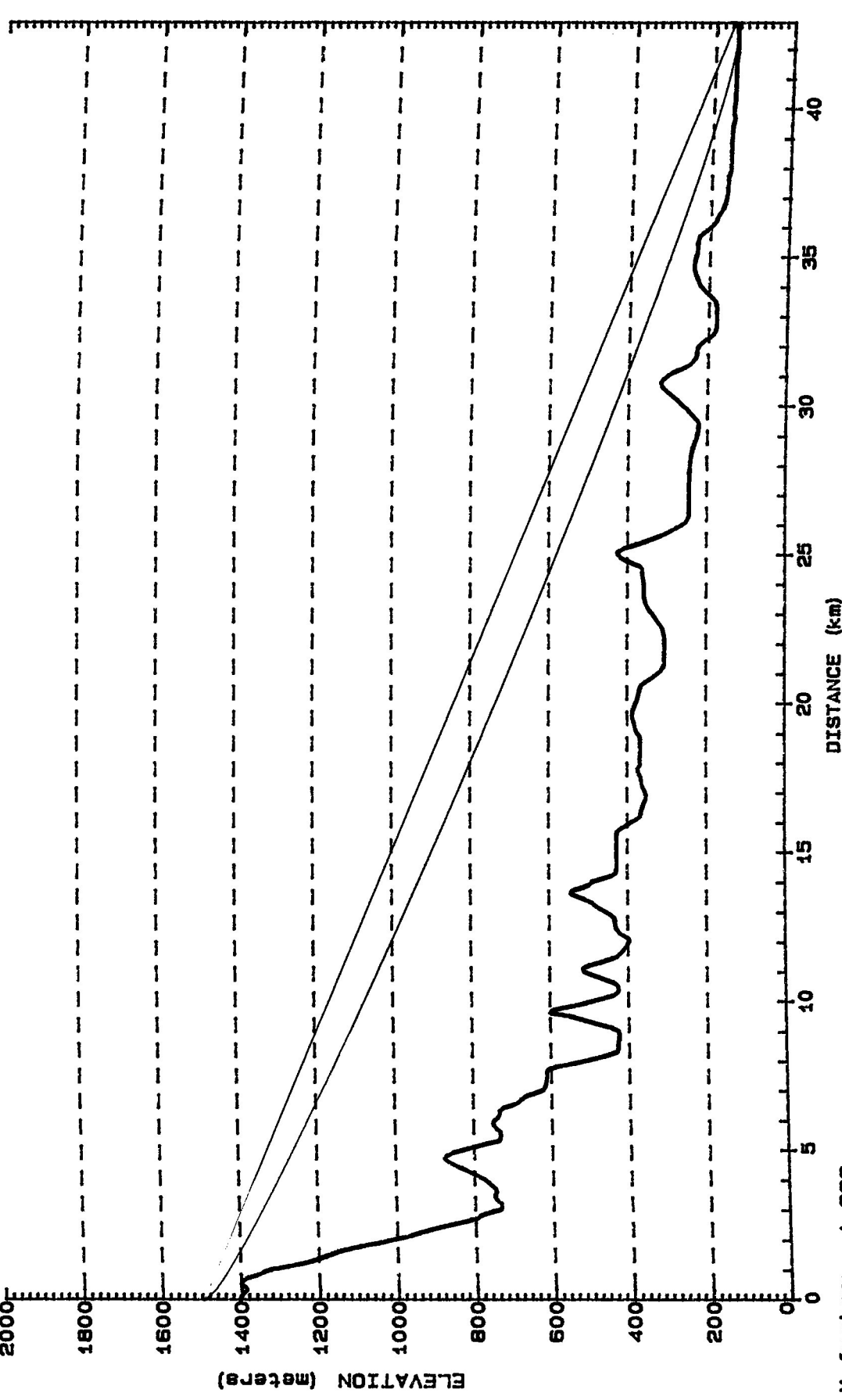
Sept. 2005

Eng Ex V-B

Site: BLUE MOUNTAIN
N 35 45 36 W 118 45 30
Ant. Elev. (AMSL): 1497.0 m
Path azimuth: 327.16 degs.

Frequency: 101.5 MHz
Path Length: 42.9 km
Total Path Loss: 105.4 dB
Excess Path Loss: .1 dB

Site: Porterville #3
N 36 5 2 W 119 1 2
Ant. Elev. (AMSL): 155.0 m
Path azimuth: 147.01 degs.



K factor: 1.333
Fresnel Zone: .60
3 Second Database - NAD 27
Rain loss: .0 dB
Urban loss: .0 dB
Foliage loss: .0 dB

PATH PROFILE

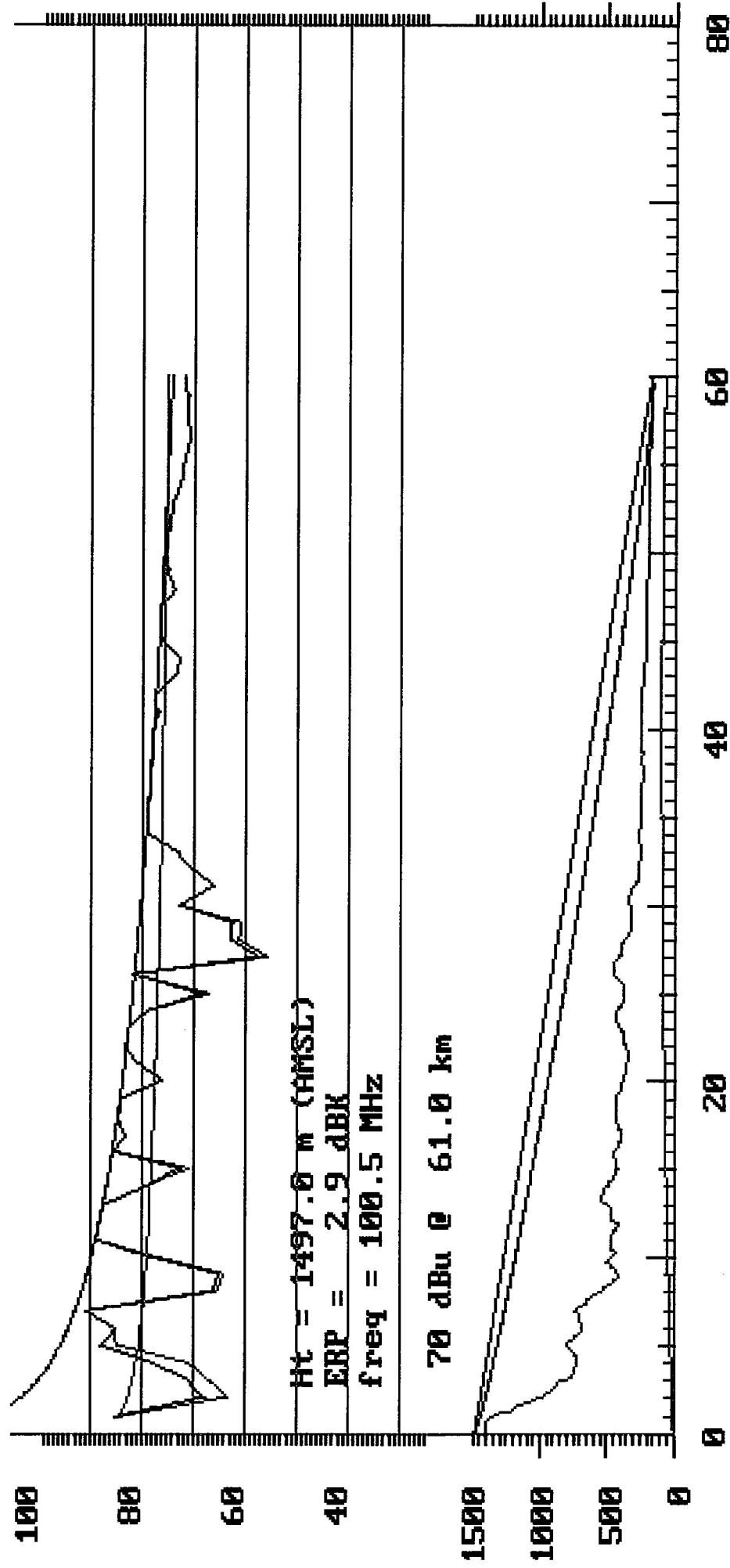
N 327.2 E

Moon Holdings, L.L.C.
Los Angeles, CA
Path Study to Site #3

Lieberman & Malisko
Consulting Engineers
Silver Spring, MD

Sept. 2005

Eng. Ex V-C



RADIAL = 322.8 Deg

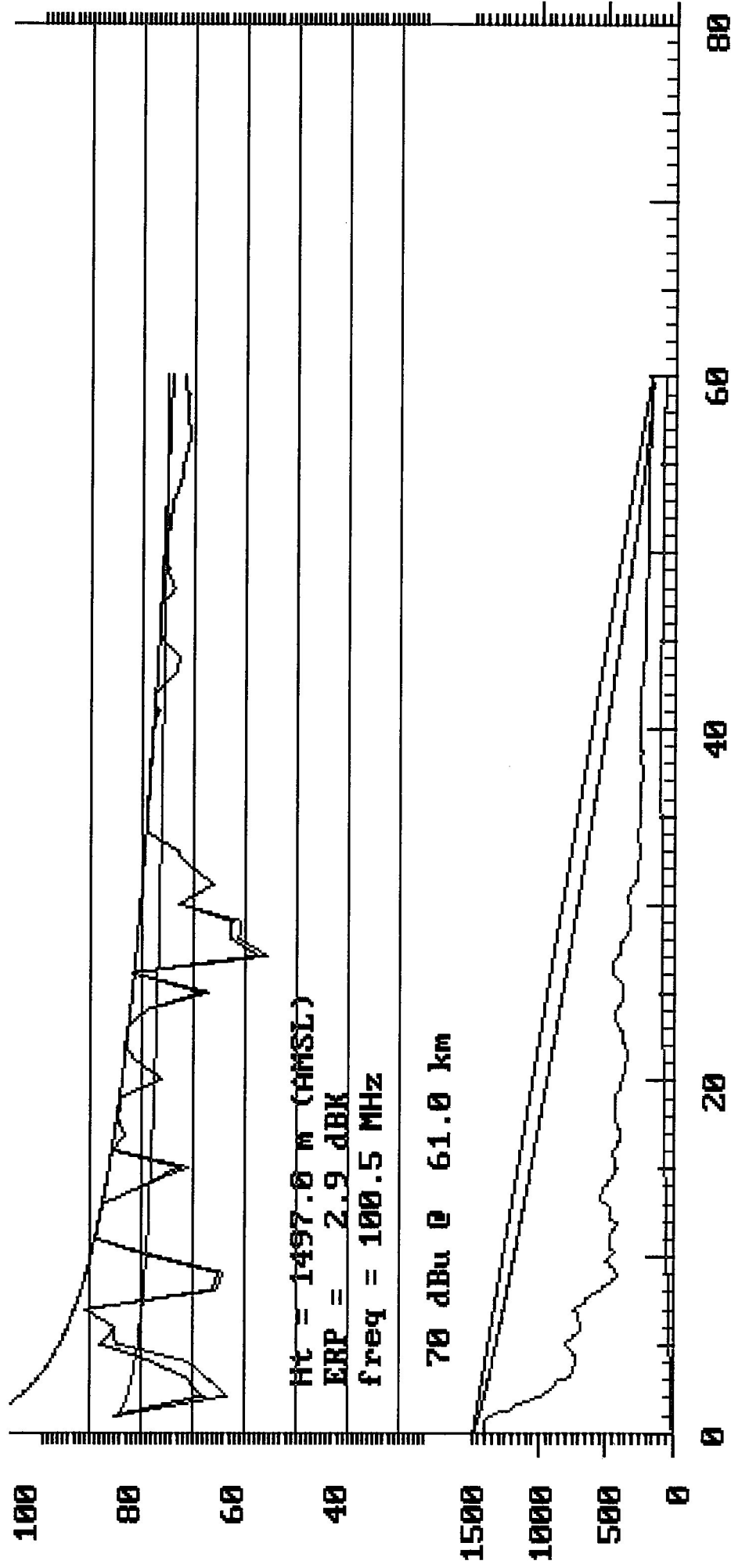
ENG. EXHIBIT VI-A

KQMA - Porterville, CA

PTP PLOT - BLUE MOUNTAIN TO
PORTERVILLE SITE #1

Sept. 2005

Lieberman & Walisko



RADIAL = 325.6 Deg

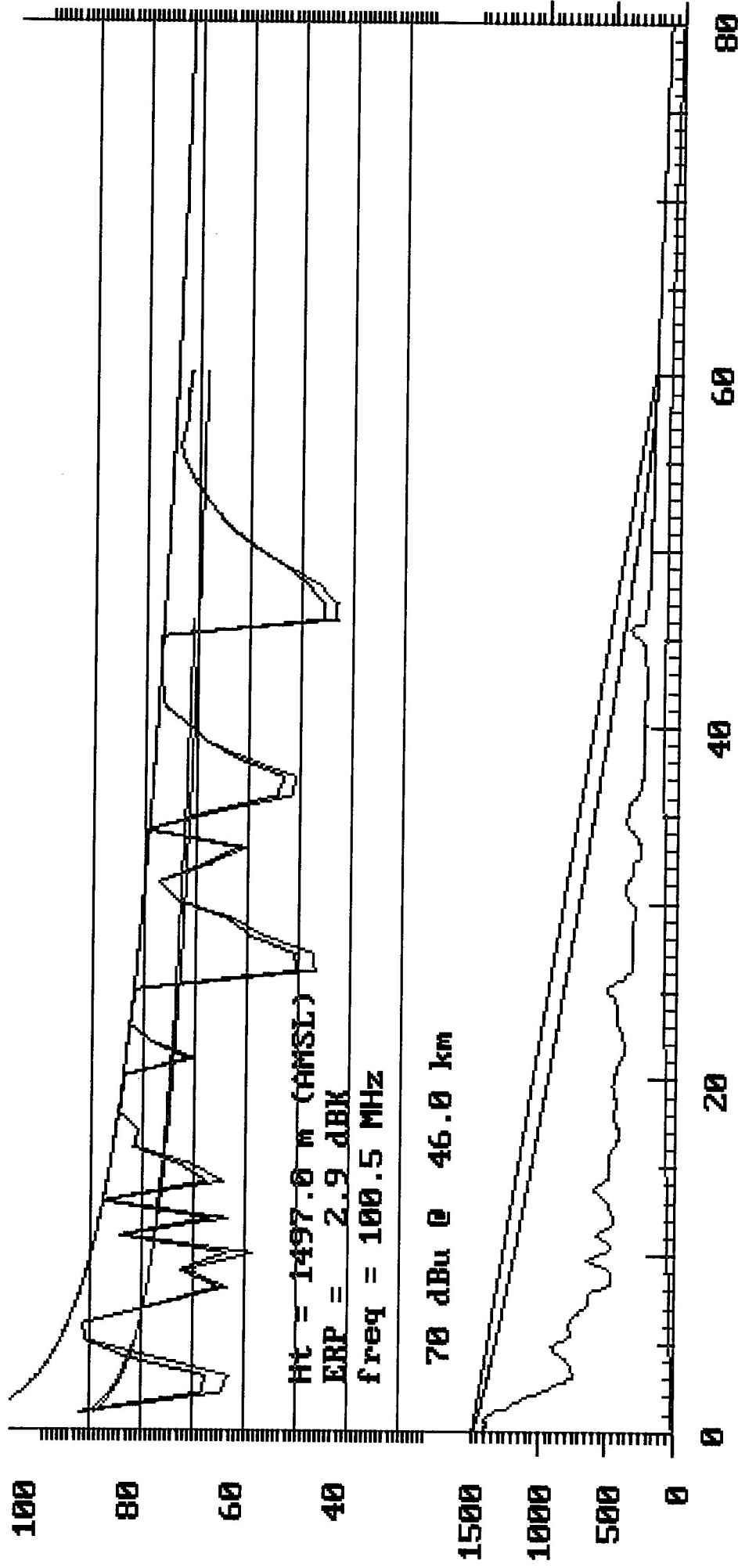
ENG. EXHIBIT VI-B

KQMA - Porterville, CA

**PTP PLOT - BLUE MOUNTAIN TO
PORTERVILLE SITE #2**

Sept. 2005

Lieberman & Walisko



ENG. EXHIBIT VI-C

KQMA - Porterville, CA

PTP PLOT - BLUE MOUNTAIN TO
PORTERVILLE SITE #3

Sept. 2005

Lieberman & Walisko

LIEBERMAN & WALISKO
CONSULTING TELECOMMUNICATIONS ENGINEERS
701 YEATMAN PARKWAY
SILVER SPRING, MD 20902

KQMA - Porterville, CA

Eng. Ex. VI-D

FREE SPACE SIGNAL STRENGTH COMPUTATION

Utilizing the methodology found in 47 C.F.R. Section §73.313, less than the required 70 dBu signal will be provided by the instant proposed effective radiated power over the city of license, Porterville, California.

As shown in Figure VI-E, the proposed 70 dBu contour calculated using the curves found in Figure 1 of 47 C.F.R. Section §73.333 would fall at 39.2 kilometers (at N 325° E). The distance from the instant proposed transmitter site to the far side of Porterville varies from 42.9 to 44 kilometers. As shown in the attached Engineering Exhibits V-A, V-B, and V-C, the paths are not obstructed.

To determine the field strength at the far side of Porterville, 44.2 kilometers (worst case) from the instant proposed transmitter site, the following field strength equation was used:

$$\text{Field Strength} = 106.9 + \text{ERP}_{\text{dBd}} - 20 \log(\text{DIST}) - A$$

Where ERP_{dBd} is the Effective Radiated Power in dBk relative to a dipole antenna (2.9226)

DIST is the path length in kilometers

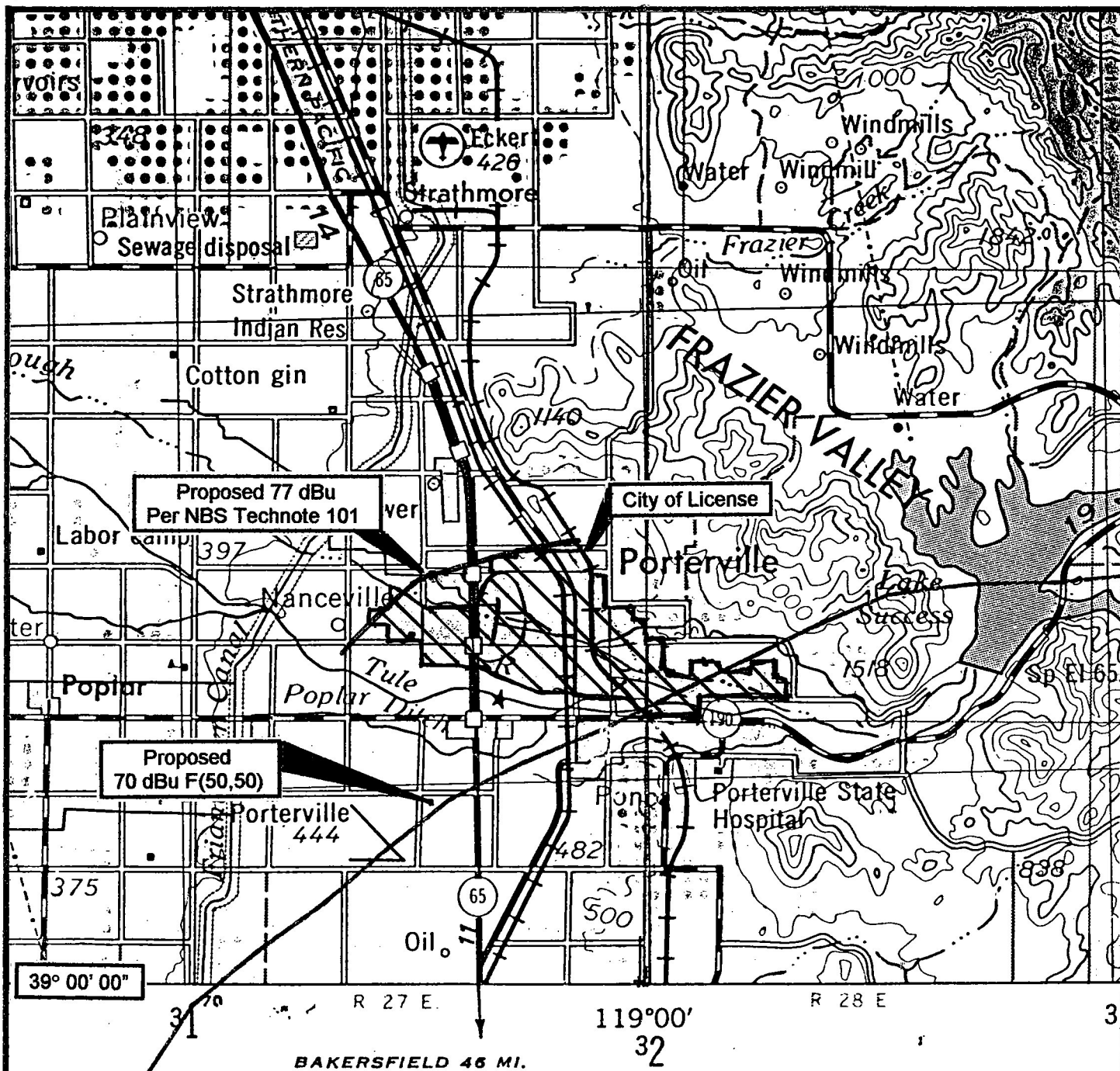
Site #1: 44.2 kM

Site #2: 43.45 kM

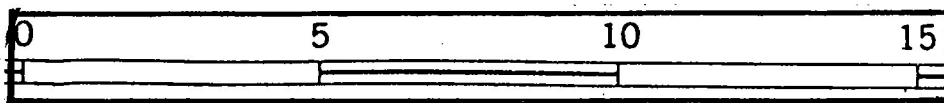
Site #3: 42.9 kM

A is the excess path loss

Employing this formula for the 3 test sites, we find a field strength of 77 dBu for the far side of Porterville.



MAP SCALE
1:125,000

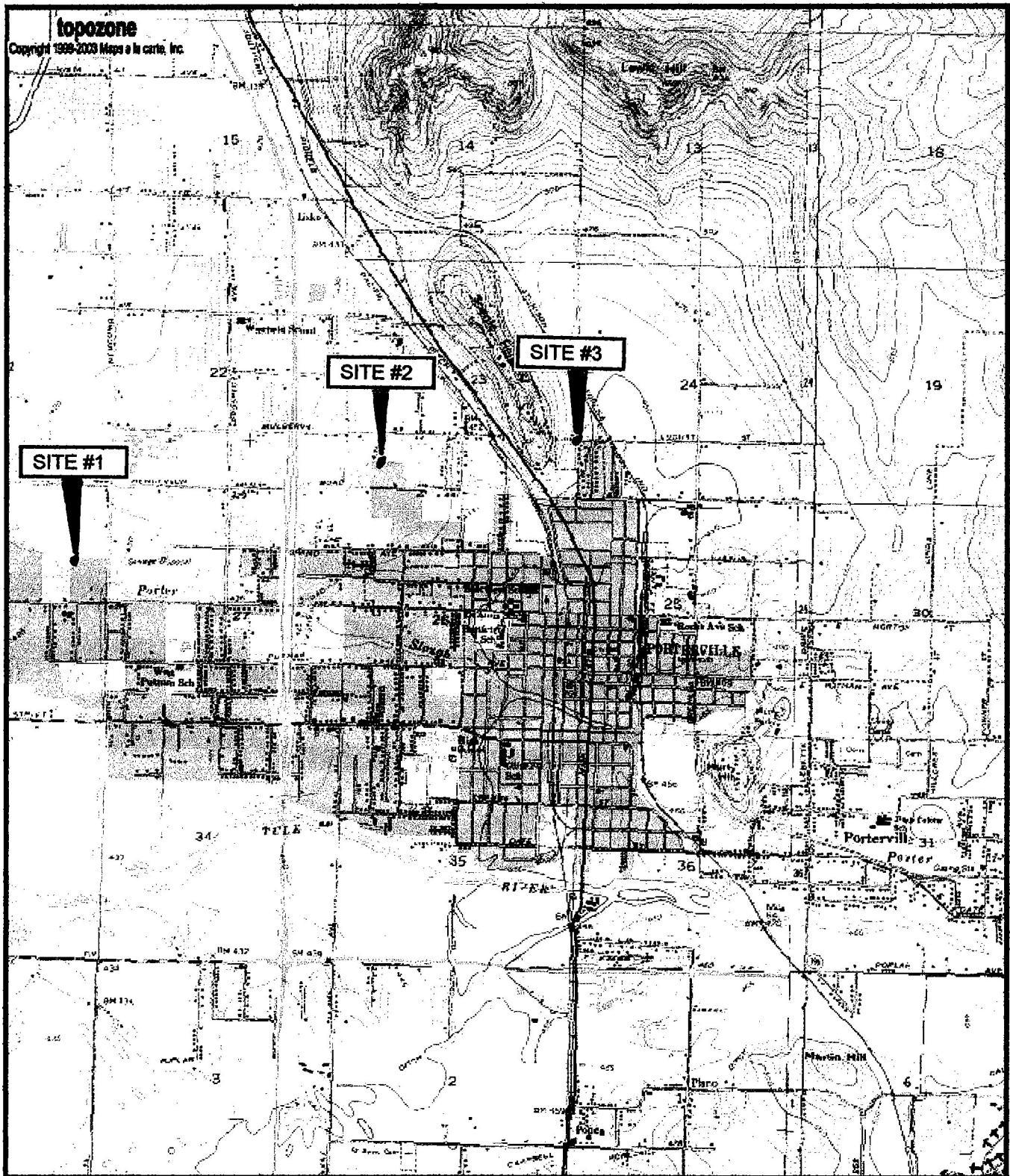


ENG. EX. VI-E

KQMA – Porterville, CA

**70 dBu PREDICTED CONTOUR
FCC F(50,50) vs NBS TECHNOTE 101**

Sept. 2005 Lieberman & Walisko



0 0.6 1.2 1.8 2.4 3 km
 0 0.4 0.8 1.2 1.6 2 mi
 Map center is 36° 04' 28"N, 119° 01' 19"W (NAD27)
PORTERVILLE quadrangle

ENG. EX. VI-F

KQMA – Porterville, CA
**SITE LOCATOR MAP FOR PTP &
 TERRAIN PROFILE STUDIES**
 Sept. 2005 Lieberman & Walisko