

**PATH PROFILE MAPS**



ANNEX - I

Path Profile Maps

for

Lusaka-Copperbelt Route

and

Chingola- Solwezi Route

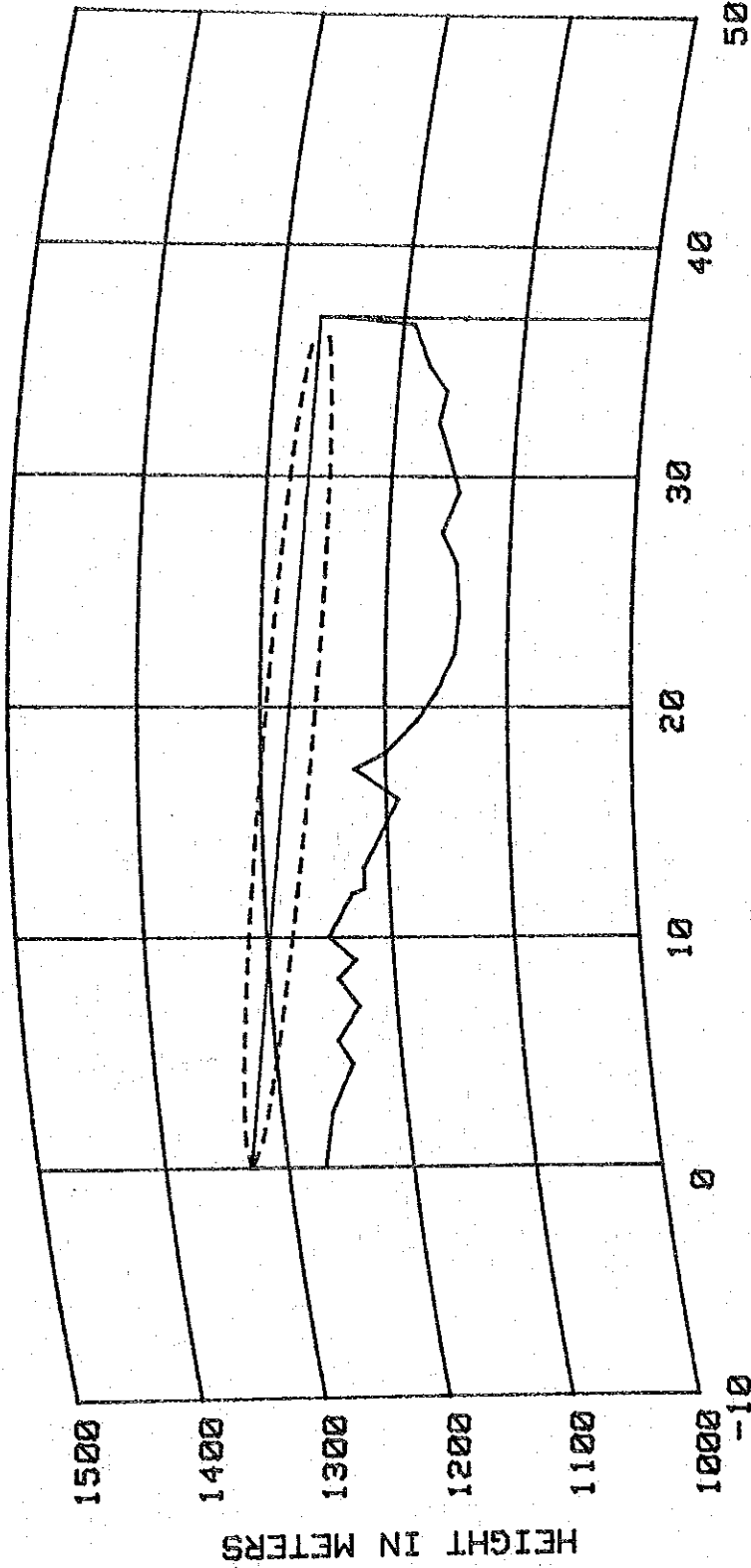
- 1) Lusaka - Kamaila
- 2) Kamaila - Mukumwanji
- 3) Mukumwanji - Kabwe
- 4) Kabwe - Kapiri Mposhi
- 5) Kapiri Mposhi - Katanino
- 6) Katanino - Kaloko Hill
- 7) Kaloko Hill - Kitwe
- 8) Kaloko Hill - Ndola
- 9) Kitwe - Mifulira
- 10) Mifulira - Chingola
- 11) Chingola - Mara
- 12) Mara - Kalilele
- 13) Kalilele - Chafukuma
- 14) Chafukuma - Solwezi
- 15) Kamaila - Chisamba
- 16) Kabwe - Chibombo



LUCH01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



SITE 1 : LUSAKA

GROUND ELEVATION: 1270.0 m

ANTENNA HEIGHT: 60.0 m

SITE 2 : KAMAILA

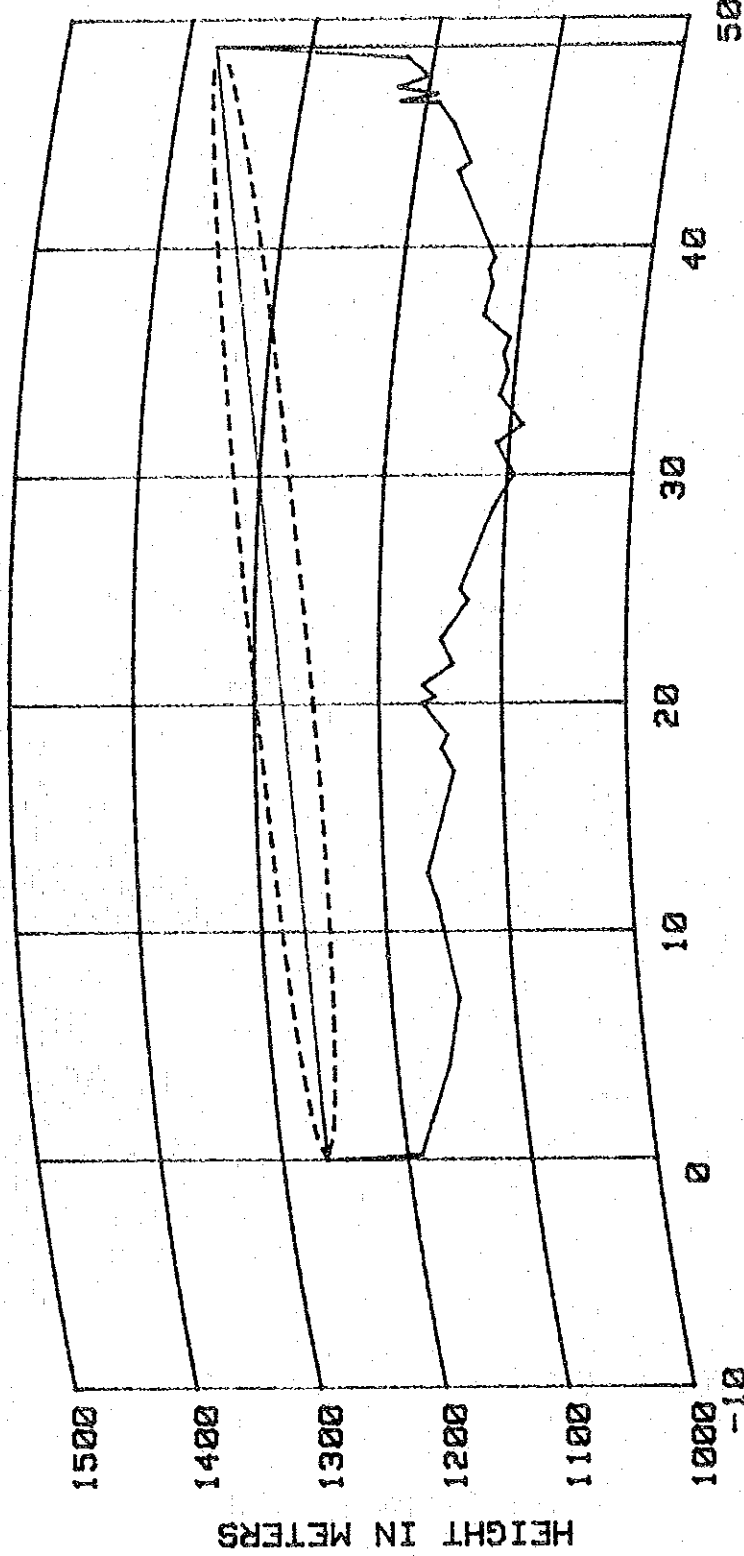
GROUND ELEVATION: 1250.0 m

ANTENNA HEIGHT: 15.0 m

LUCH02

PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 48.8 km

SITE 1 : KAMAILA

SITE 2 : MUKUMWANJI

GROUND ELEVATION: 1250.0 m

GROUND ELEVATION: 1359.0 m

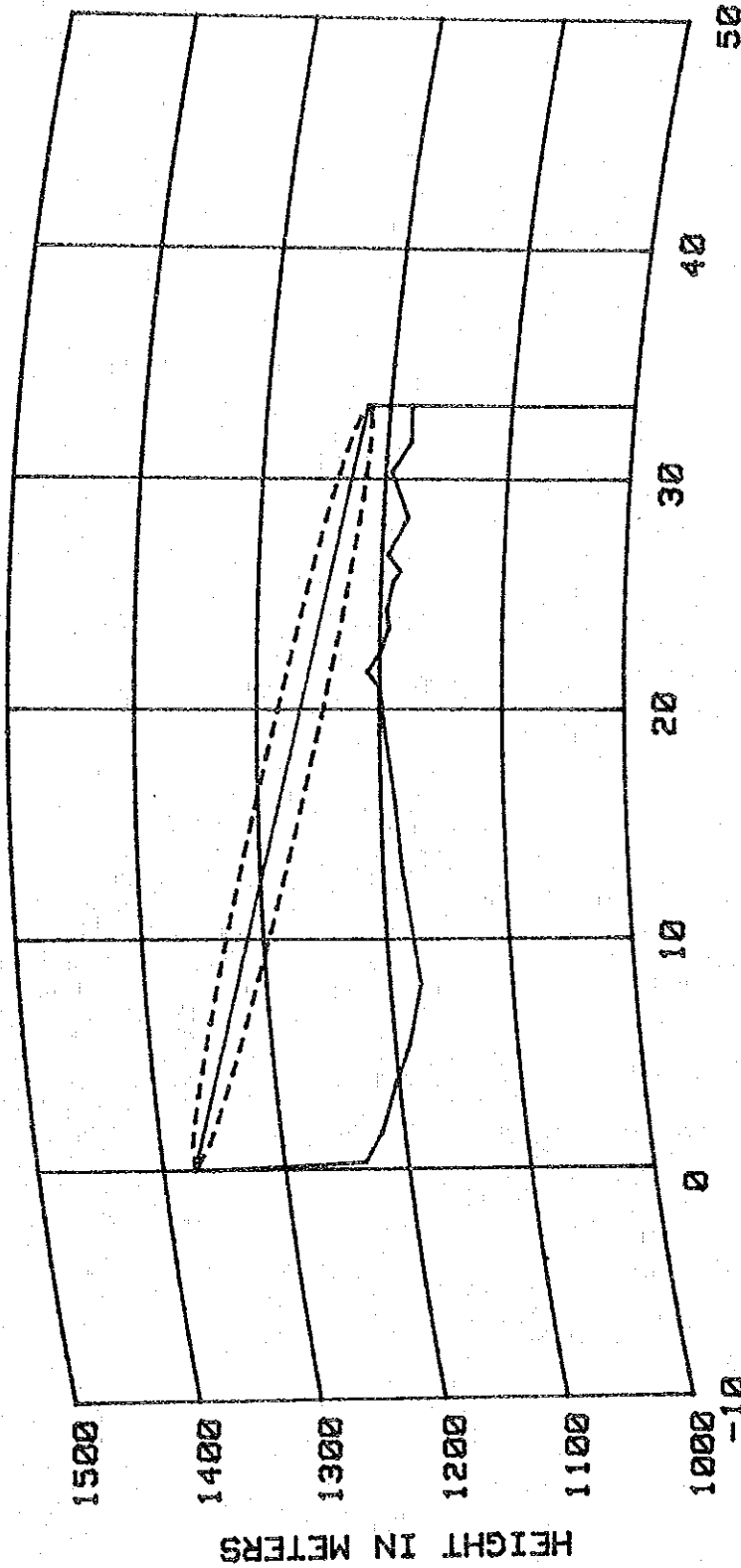
ANTENNA HEIGHT: 15.0 m

ANTENNA HEIGHT: 15.0 m

LUCH03

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 33.2 km

SITE 1 : MUKUMWANJI SITE 2 : KABWE

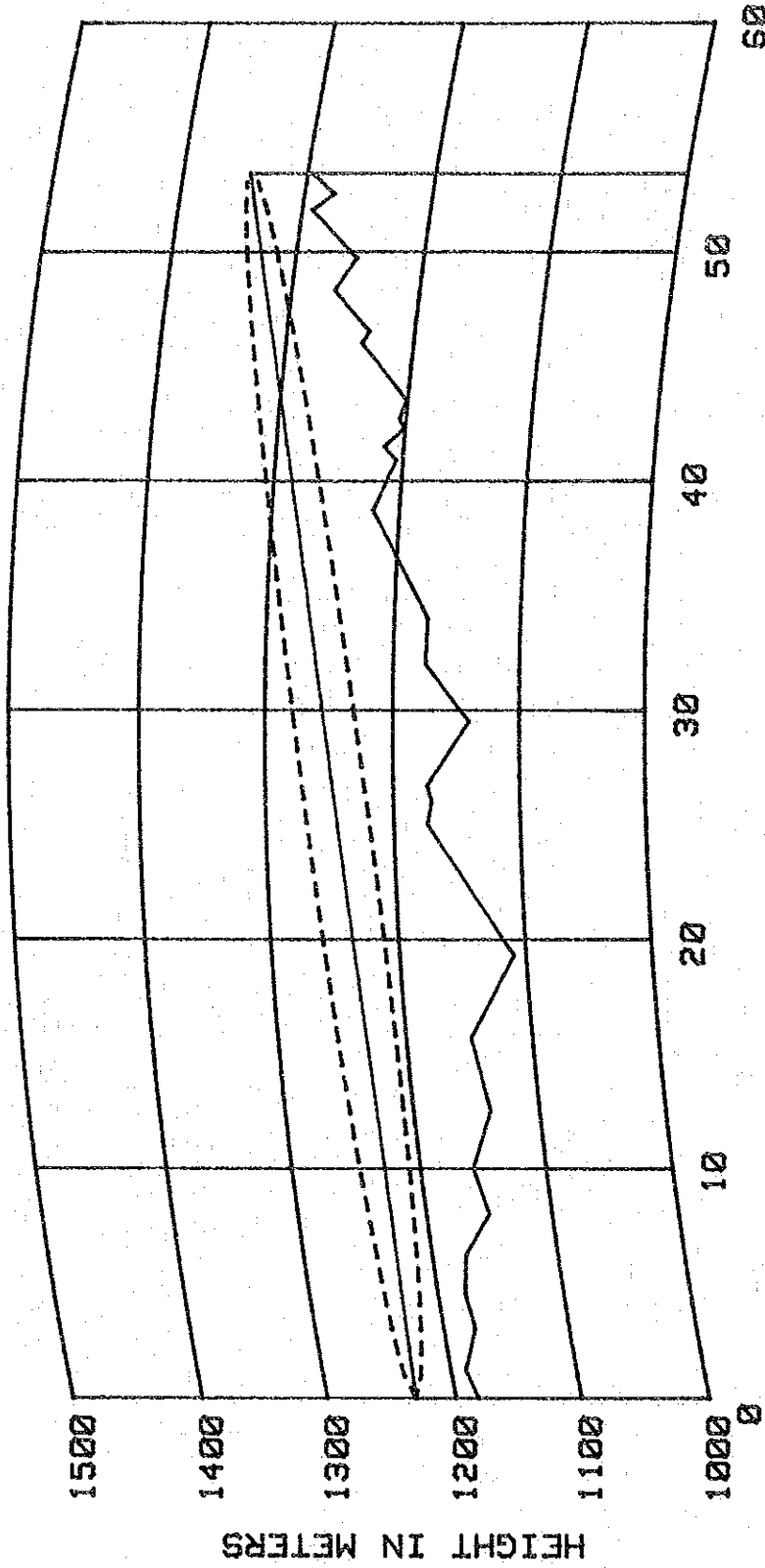
GROUND ELEVATION: 1359.0 m GROUND ELEVATION: 1182.0 m

ANTENNA HEIGHT: 15.0 m ANTENNA HEIGHT: 35.0 m

LUCH04

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 53.4 km

SITE 1 : KABWE

SITE 2 : KAPIRI MPOSHI

GROUND ELEVATION: 1182.0 m

GROUND ELEVATION: 1295.0 m

ANTENNA HEIGHT: 50.0 m

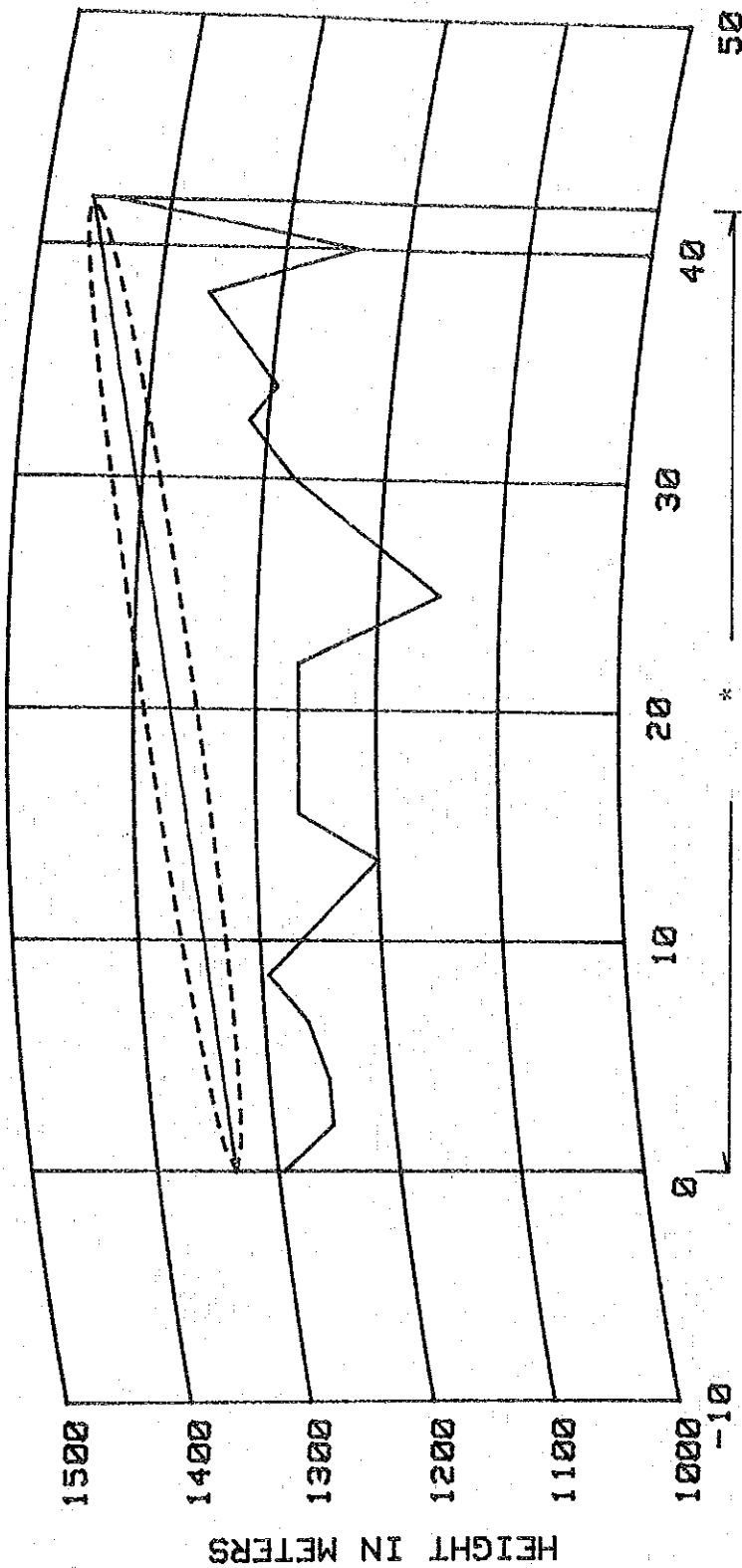
ANTENNA HEIGHT: 50.0 m



LUCH05

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE D : 42 km

SITE 1 : KAPIRI MPOSHI

SITE 2 : KATANINO

GROUND ELEVATION: 1295.0 m

GROUND ELEVATION: 1448.0 m

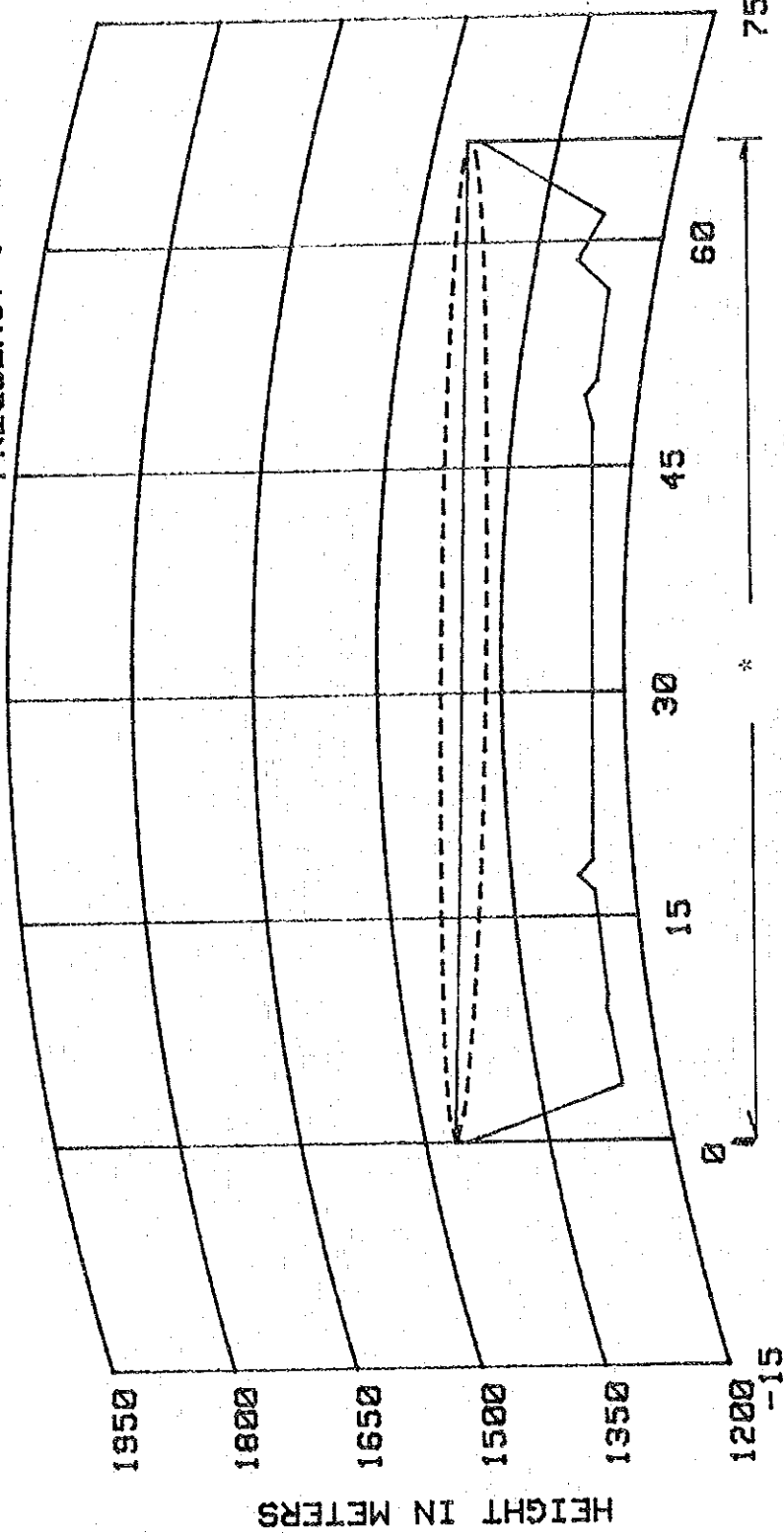
ANTENNA HEIGHT: 40.0 m

ANTENNA HEIGHT: 15.0 m

LUCH06

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 66.7 km

SITE 2 : KALOKO HILL

GROUND ELEVATION: 1443.0 m

ANTENNA HEIGHT: 15.0 m

SITE 1 : KATANINO

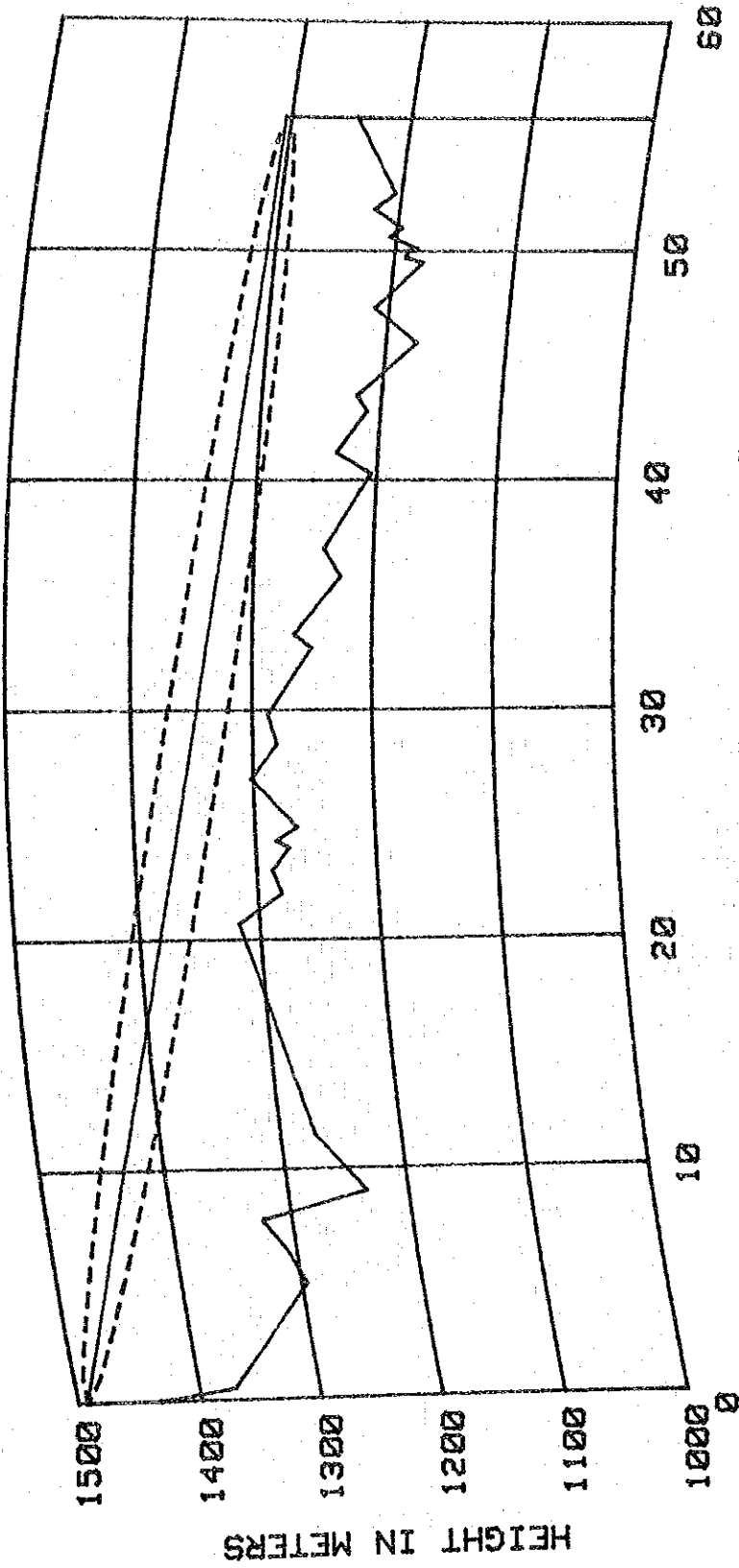
GROUND ELEVATION: 1448.0 m

ANTENNA HEIGHT: 15.0 m

LUCH07

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 55.8 km

SITE 1 : KALOKO HILL SITE 2 : KITWE

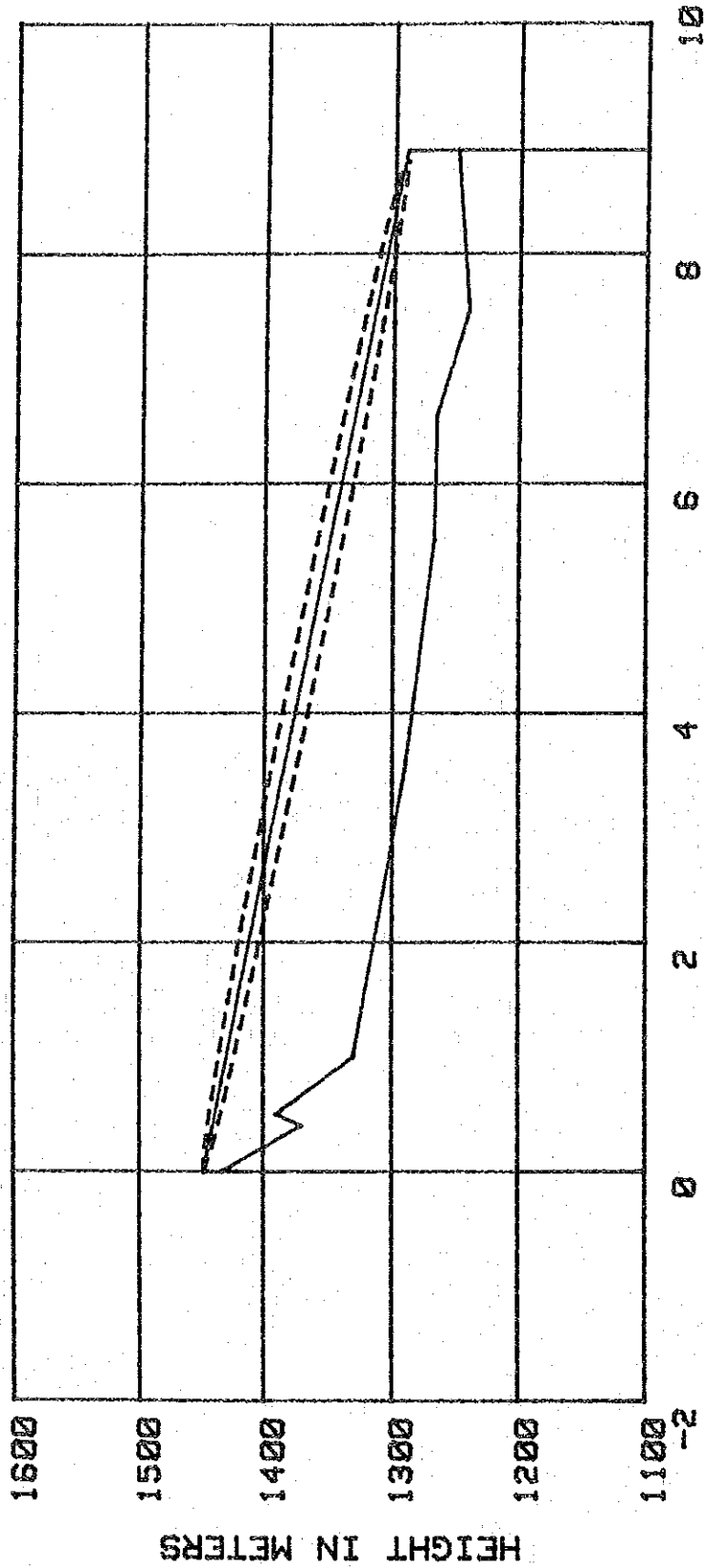
GROUND ELEVATION: 1433.0 m GROUND ELEVATION: 1242.0 m

ANTENNA HEIGHT: 60.0 m ANTENNA HEIGHT: 60.0 m

LUCH10

PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



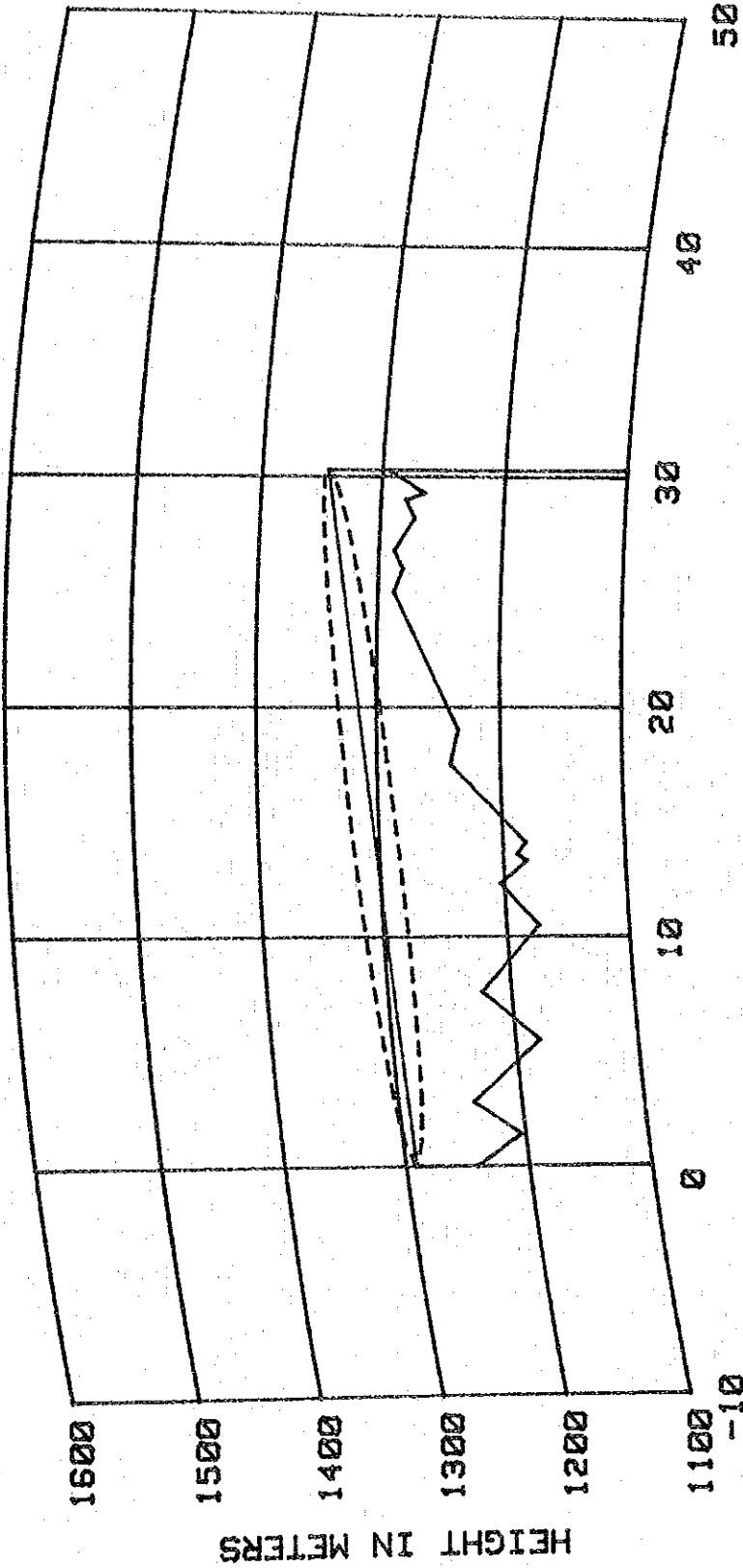
DISTANCE D : 8.9 km

SITE 1 : KALOKO HILL      SITE 2 : NDOLA  
GROUND ELEVATION: 1433.0 m      GROUND ELEVATION: 1250.0 m  
ANTENNA HEIGHT: 15.0 m      ANTENNA HEIGHT: 40.0 m

LUCH08

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 30.3 km

SITE 1 : KITWE

SITE 2 : MUFULIRA

GROUND ELEVATION: 1242.0 m

GROUND ELEVATION: 1295.0 m

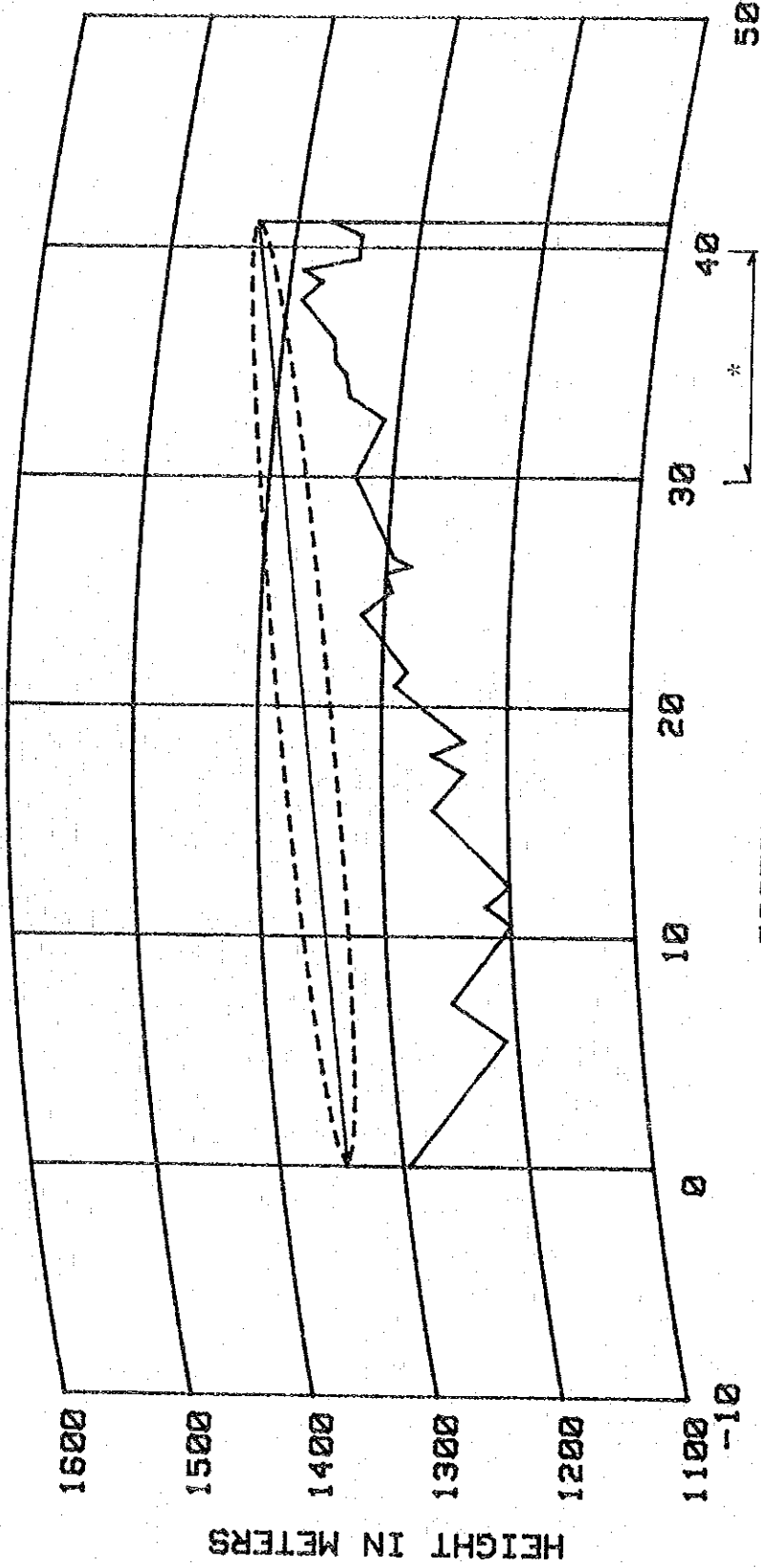
ANTENNA HEIGHT: 50.0 m

ANTENNA HEIGHT: 50.0 m

LUCH09

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 41.1 km

SITE 1 : MUFULIRA

GROUND ELEVATION: 1295.0 m

ANTENNA HEIGHT: 50.0 m

SITE 2 : CHINGOLA

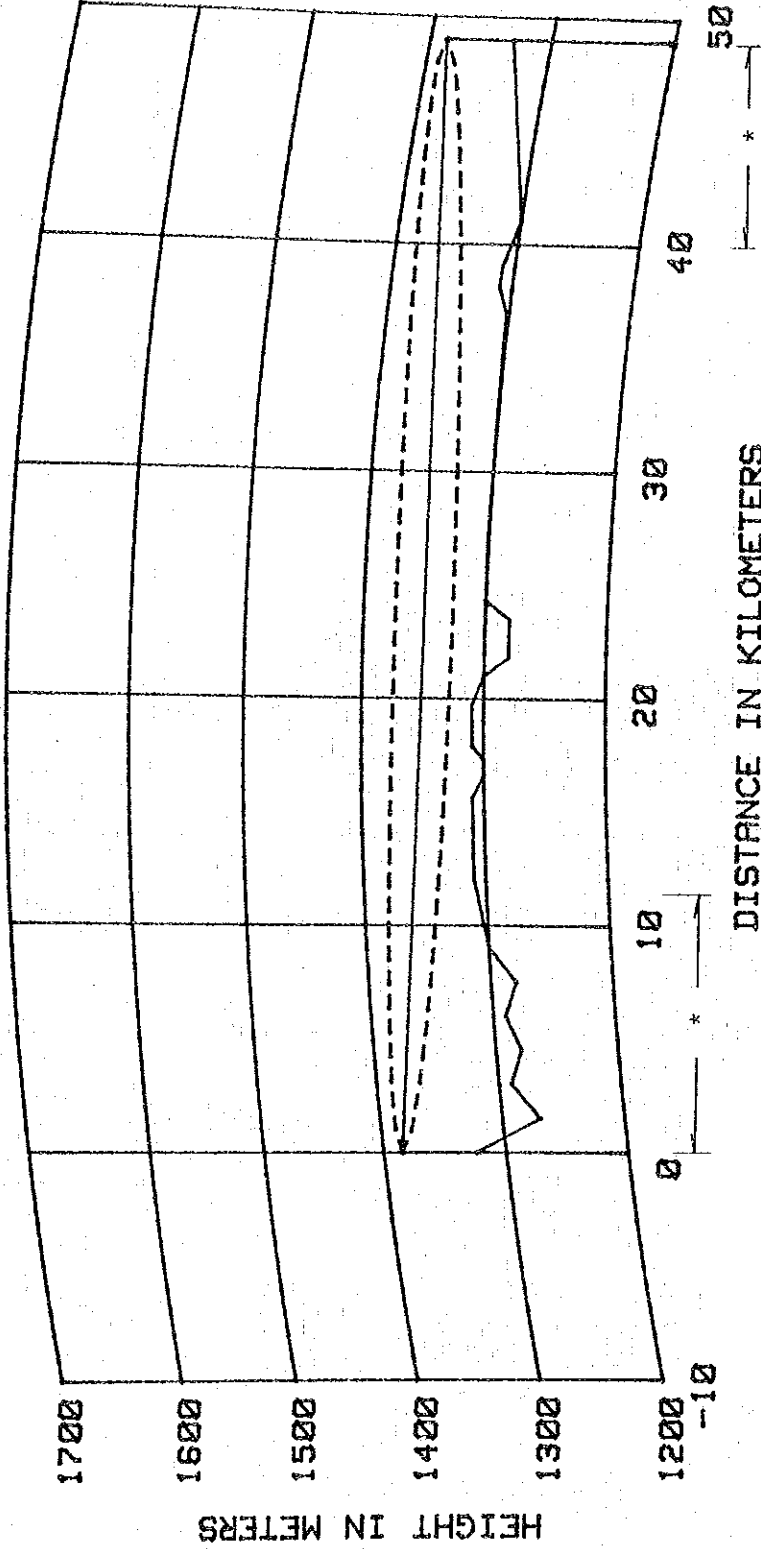
GROUND ELEVATION: 1372.0 m

ANTENNA HEIGHT: 60.0 m

CHMR01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE D : 49 km

SITE 1 : CHINGOLA

SITE 2 : MARRA

GROUND ELEVATION: 1325.0 m

GROUND ELEVATION: 1332.0 m

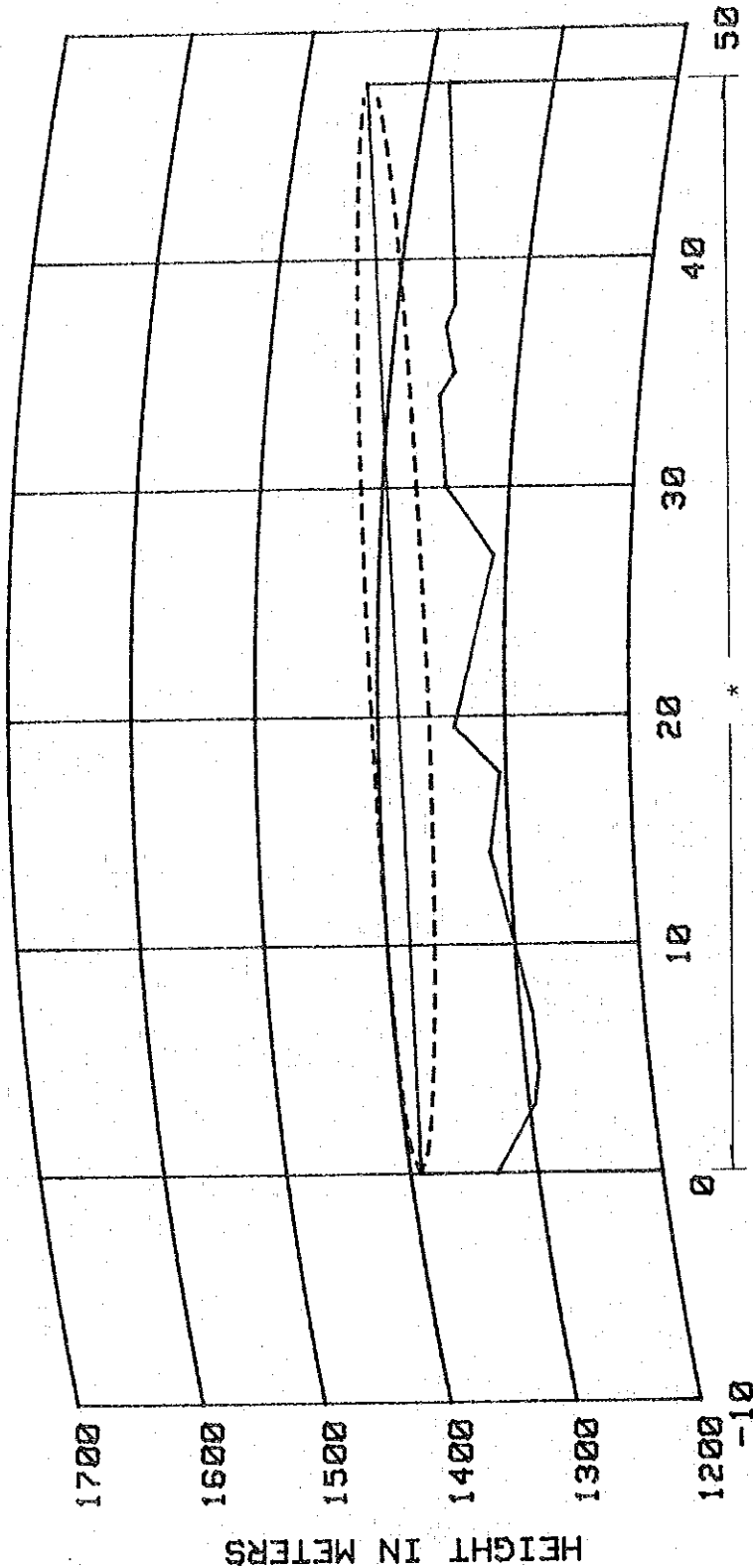
ANTENNA HEIGHT: 60.0 m

ANTENNA HEIGHT: 55.0 m

MAK001

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE D : 47.7 km

SITE 1 : MARA

SITE 2 : KALILELE

GROUND ELEVATION: 1332.0 m

GROUND ELEVATION: 1382.0 m

ANTENNA HEIGHT: 65.0 m

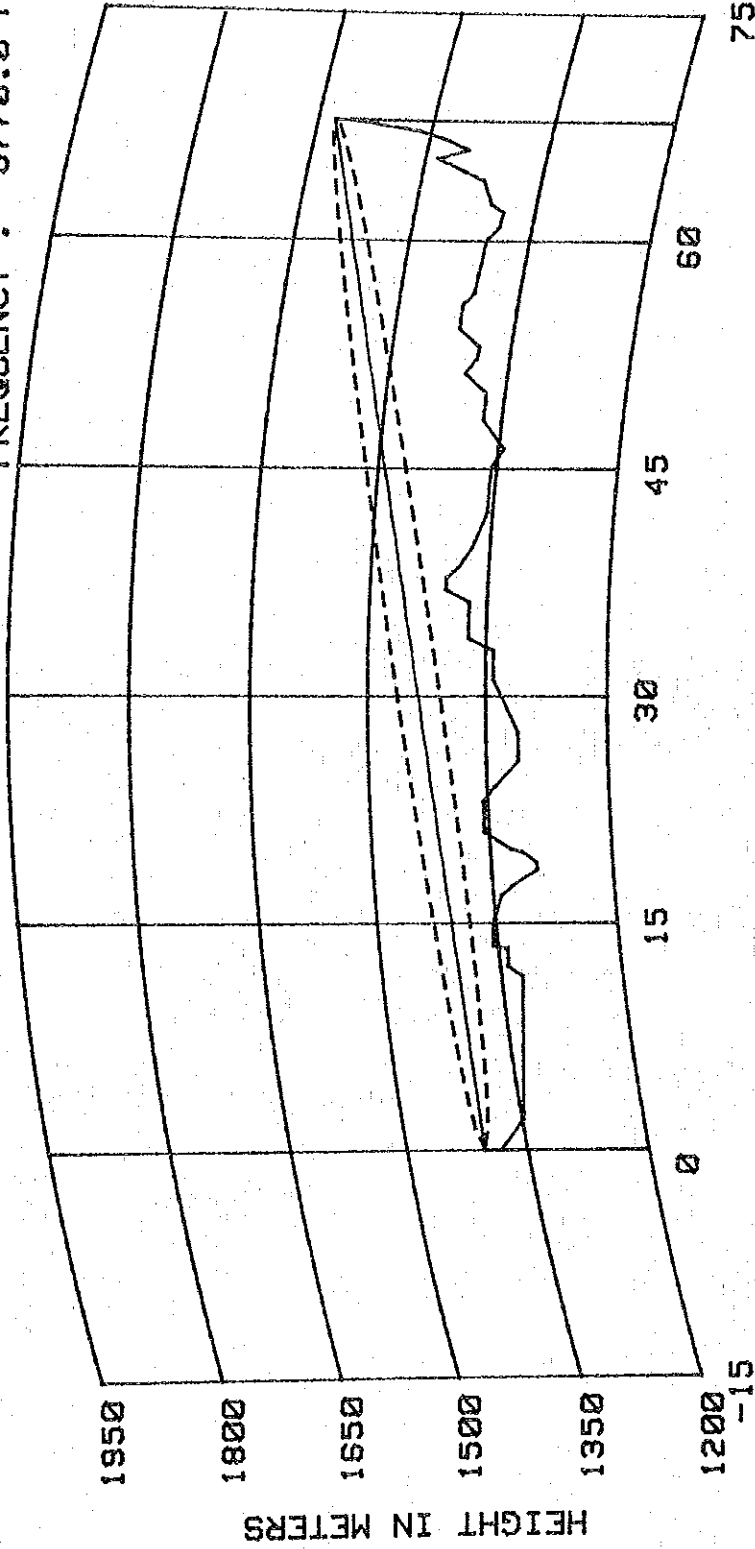
ANTENNA HEIGHT: 60.0 m



KACH01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE D : 67.9 km

SITE 1 : KALILELE

SITE 2 : CHARFUKUMA

GROUND ELEVATION: 1382.0 m

GROUND ELEVATION: 1607.0 m

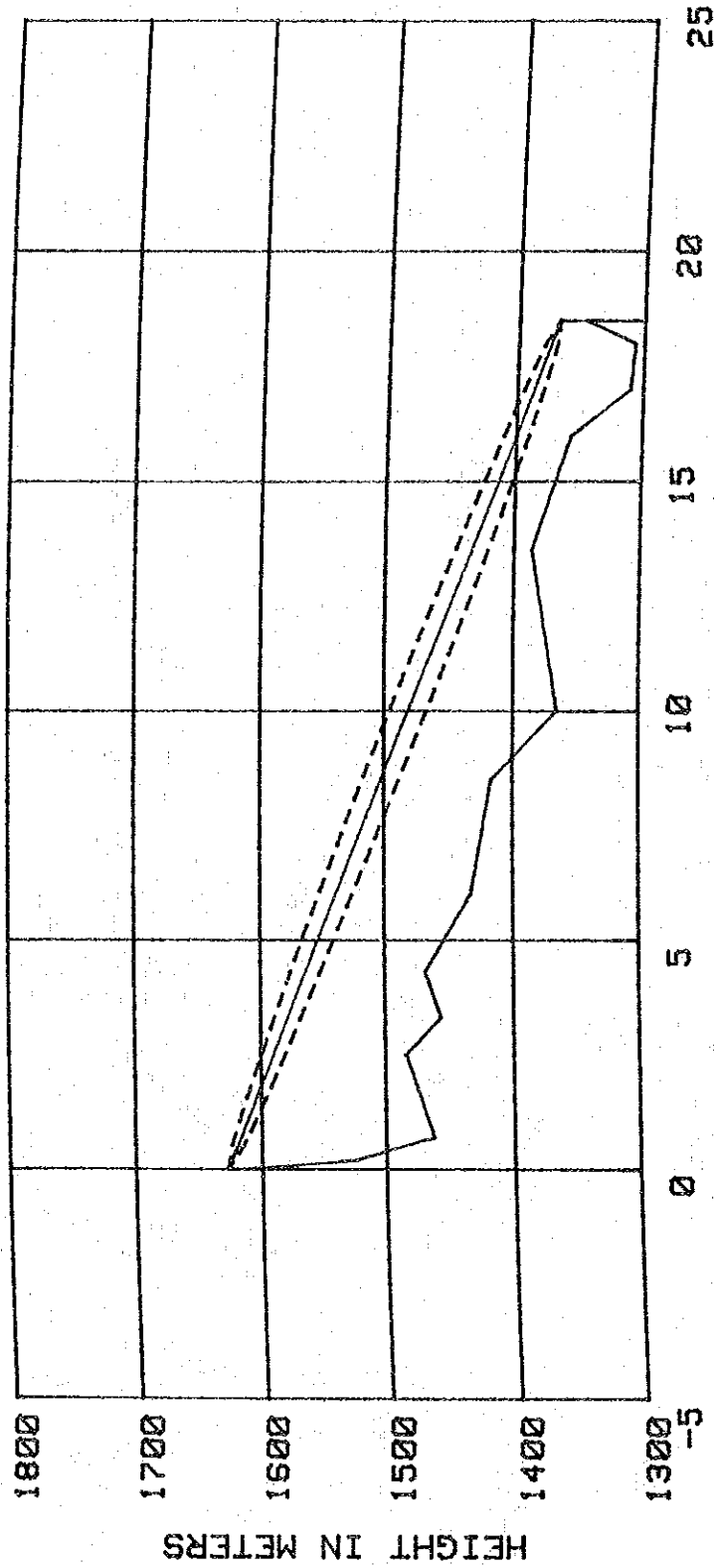
ANTENNA HEIGHT: 20.0 m

ANTENNA HEIGHT: 20.0 m

CHS001

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 6770.0 MHz



DISTANCE D : 18.5 km

SITE 1 : CHAFUKUMA

GROUND ELEVATION: 1607.0 m

ANTENNA HEIGHT: 20.0 m

SITE 2 : SOLWEZI

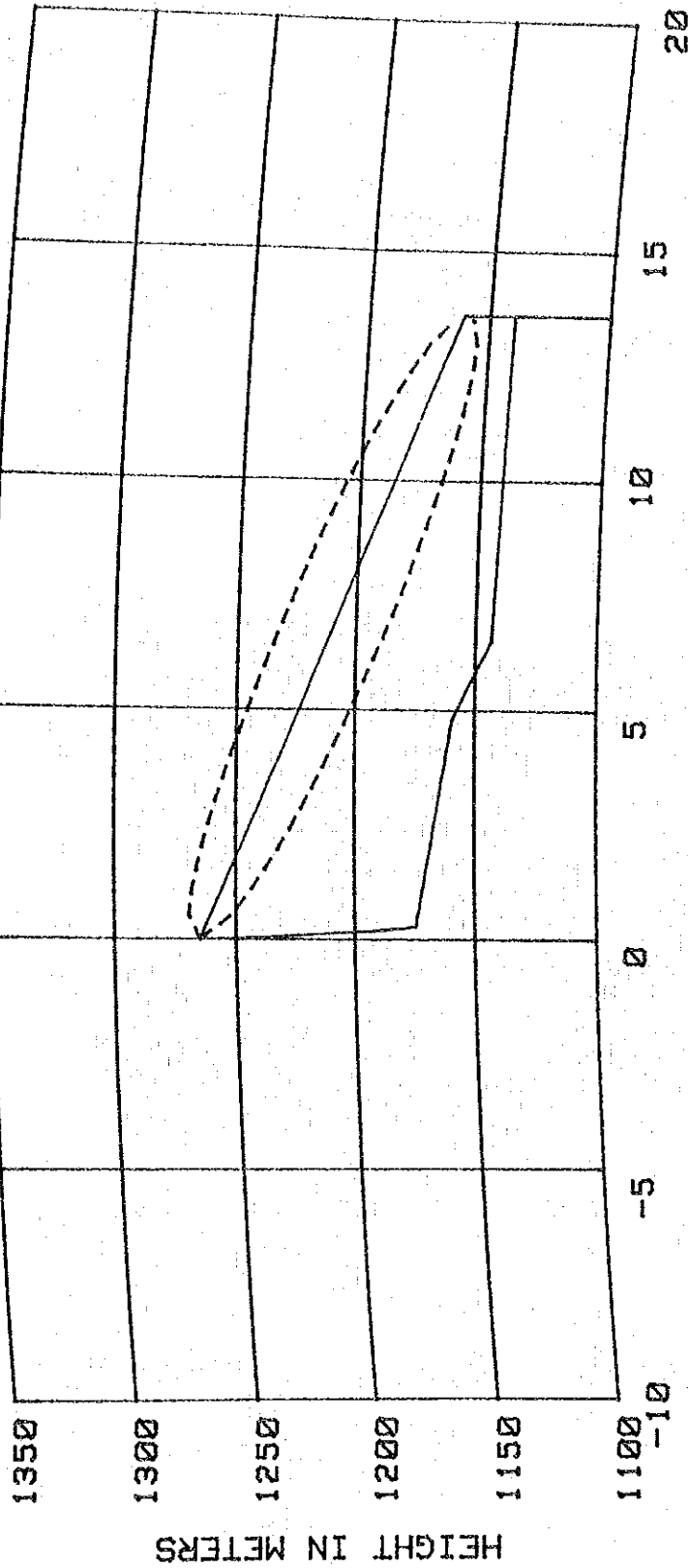
GROUND ELEVATION: 1347.0 m

ANTENNA HEIGHT: 20.0 m

LUCH11

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 13.6 km

SITE 1 : KAMAILA

SITE 2 : CHISAMBA

GROUND ELEVATION: 1250.0 m

GROUND ELEVATION: 1139.8 m

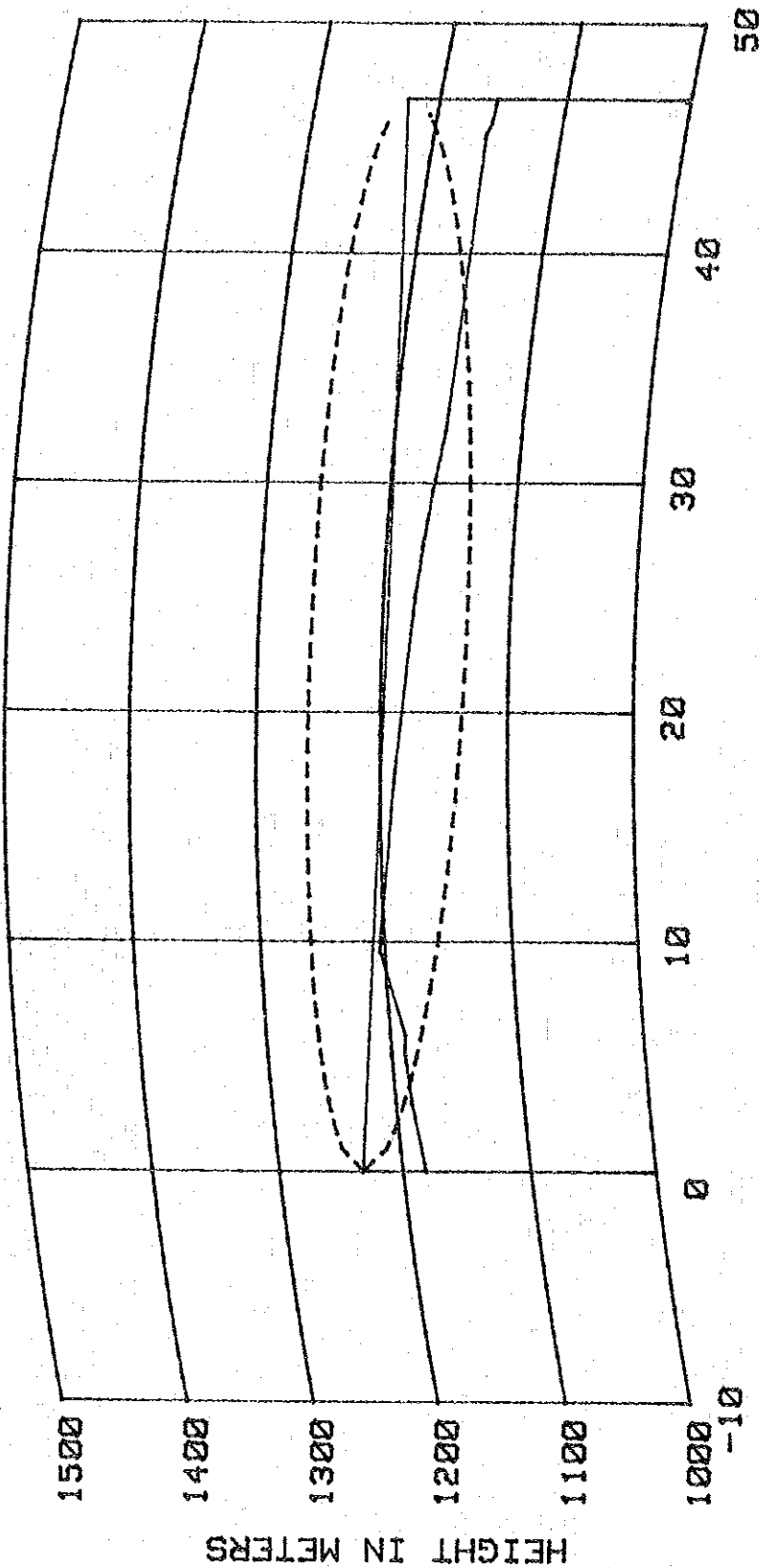
ANTENNA HEIGHT: 15.0 m

ANTENNA HEIGHT: 20.0 m

LUCH12

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 900.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 46.7 km

SITE 1 : KABWE

SITE 2 : CHIBOMBO

GROUND ELEVATION: 1182.0 m

GROUND ELEVATION: 1152.9 m

ANTENNA HEIGHT: 50.0 m

ANTENNA HEIGHT: 70.0 m

ANNEX - I

Path Profile Maps

for

Kasama-Mansa Route

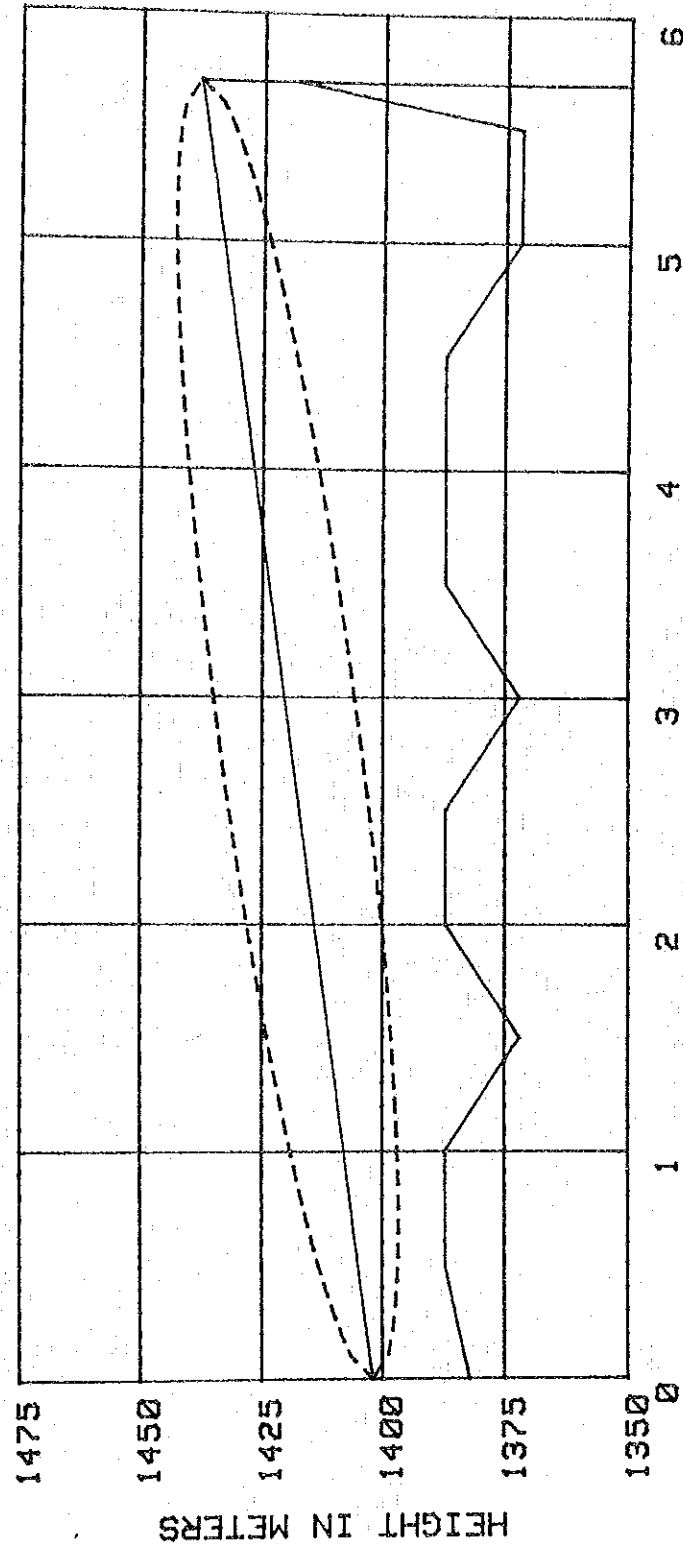
- 1) Kasama - Sumina
- 2) Sumina - Munkonge
- 3) Munkonge - Musonda
- 4) Musonda - Luwingu
- 5) Luwingu - Mumba
- 6) Mumba - Bululu
- 7) Bululu - Yambayamba
- 8) Yambayamba - Mansa



KAMA01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



SITE 1 : KASAMA

GROUND ELEVATION: 1382.0 m

ANTENNA HEIGHT: 20.0 m

SITE 2 : SUMINA

GROUND ELEVATION: 1418.0 m

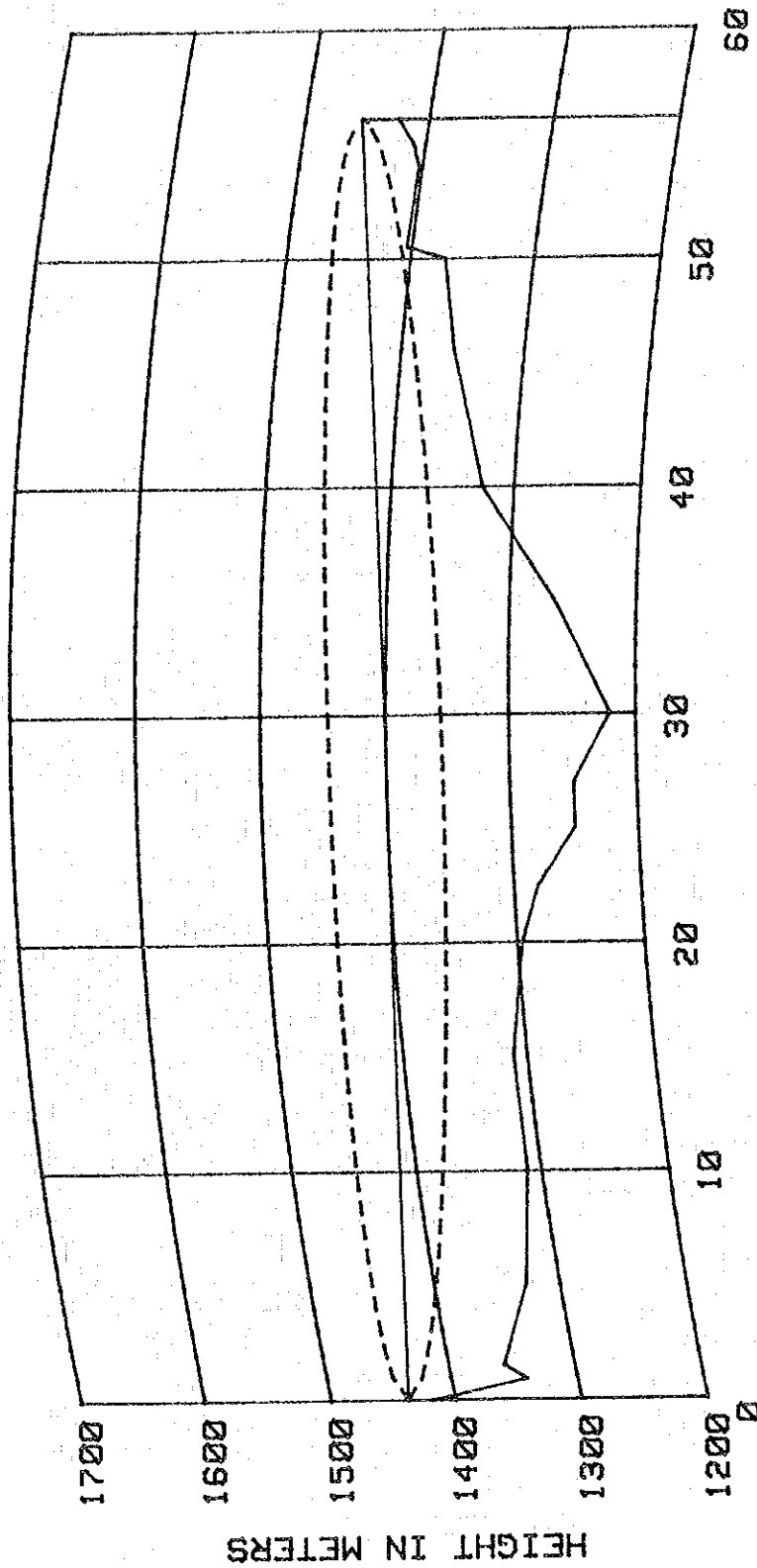
ANTENNA HEIGHT: 20.0 m

DISTANCE D : 5.7 km

KAMR02

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 56.1 km

SITE 1 : SUMINA

SITE 2 : MUNKONGE

GROUND ELEVATION: 1425.0 m

GROUND ELEVATION: 1418.0 m

ANTENNA HEIGHT: 30.0 m

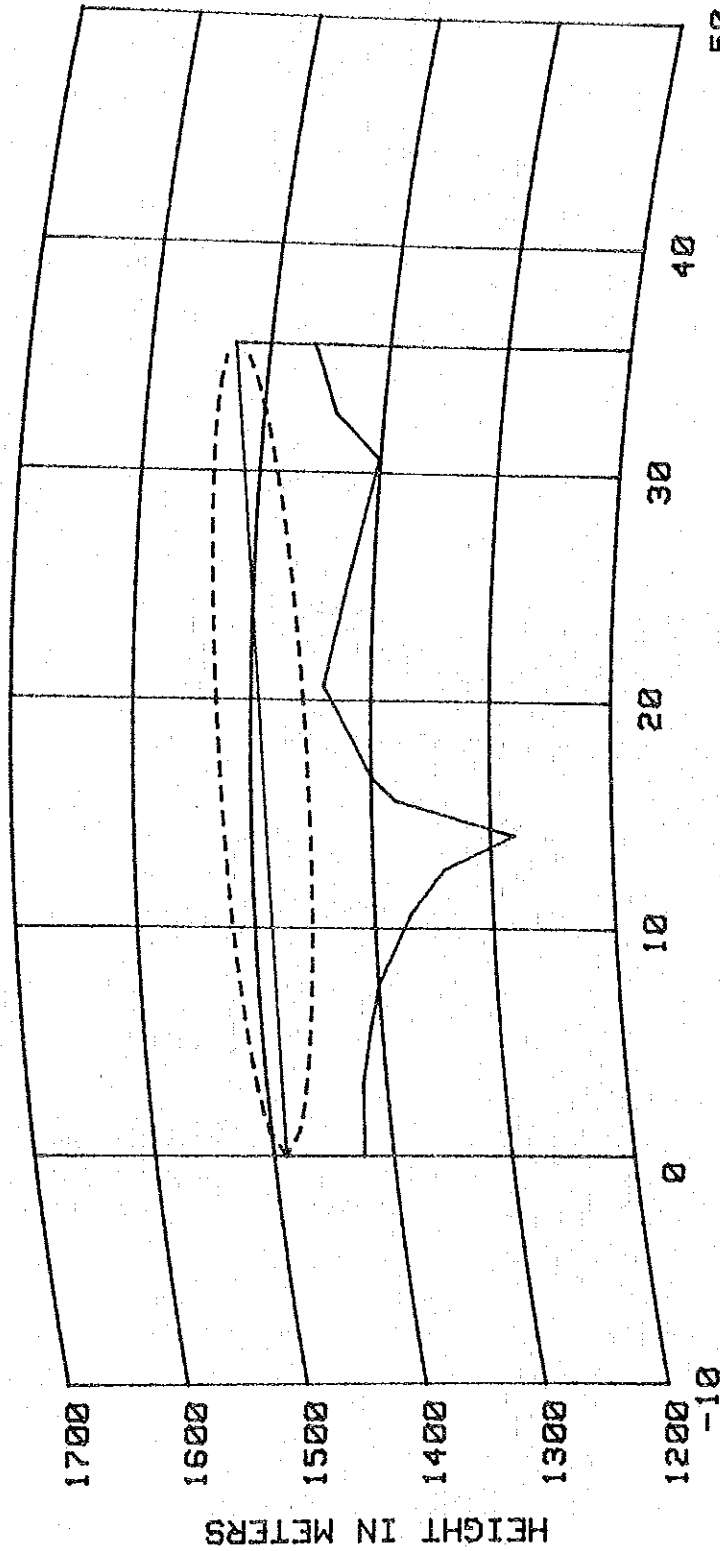
ANTENNA HEIGHT: 20.0 m



KAMR03

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 35.6 km

SITE 1 : MUNKONGE

SITE 2 : MUSONDA

GROUND ELEVATION: 1425.0 m

GROUND ELEVATION: 1463.0 m

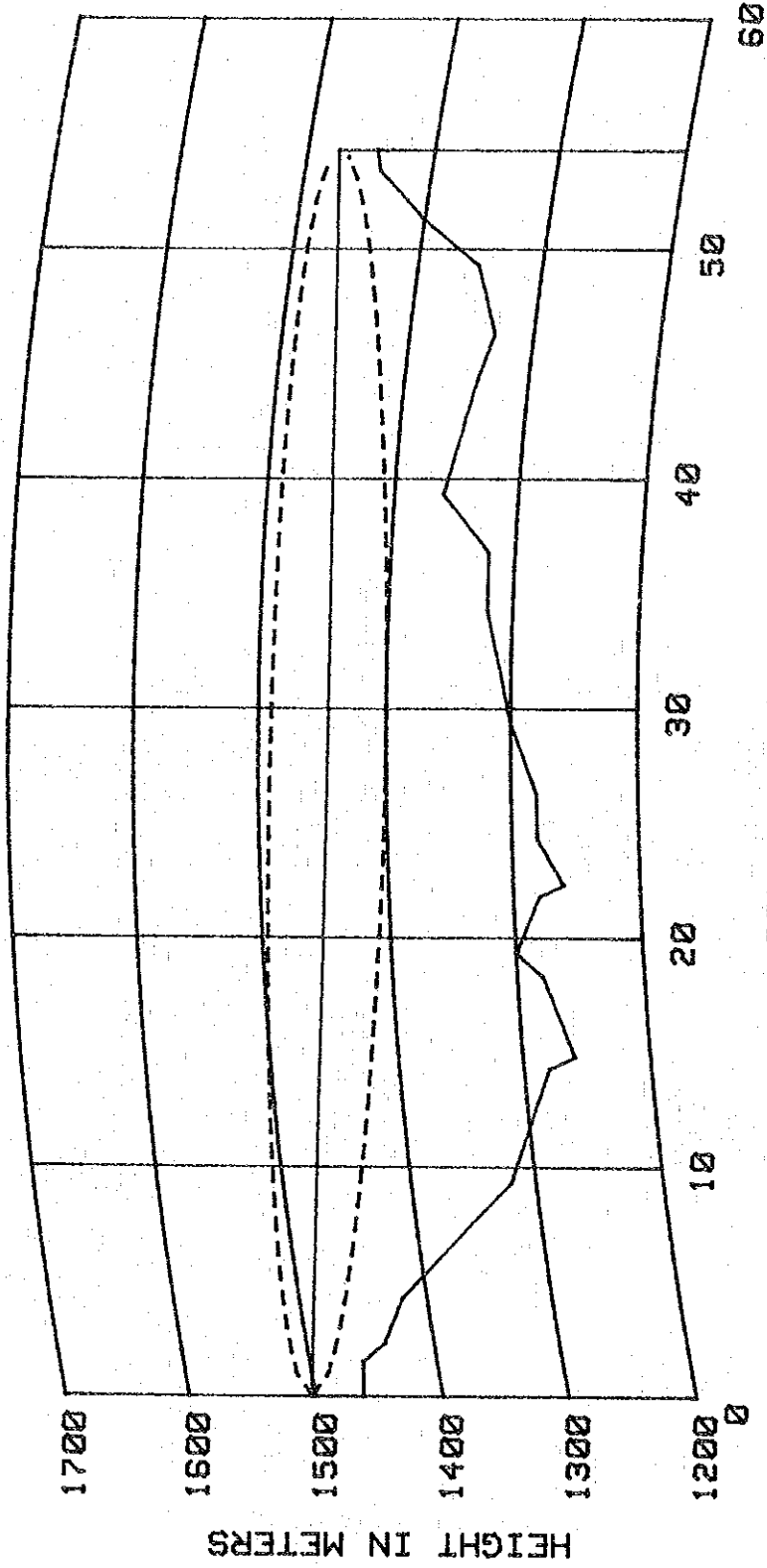
ANTENNA HEIGHT: 65.0 m

ANTENNA HEIGHT: 65.0 m

KAMA04

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHZ



DISTANCE IN KILOMETERS

DISTANCE D : 54.3 km

SITE 1 : MUSONDA

GROUND ELEVATION: 1463.0 m

ANTENNA HEIGHT: 40.0 m

SITE 2 : LUWINGU

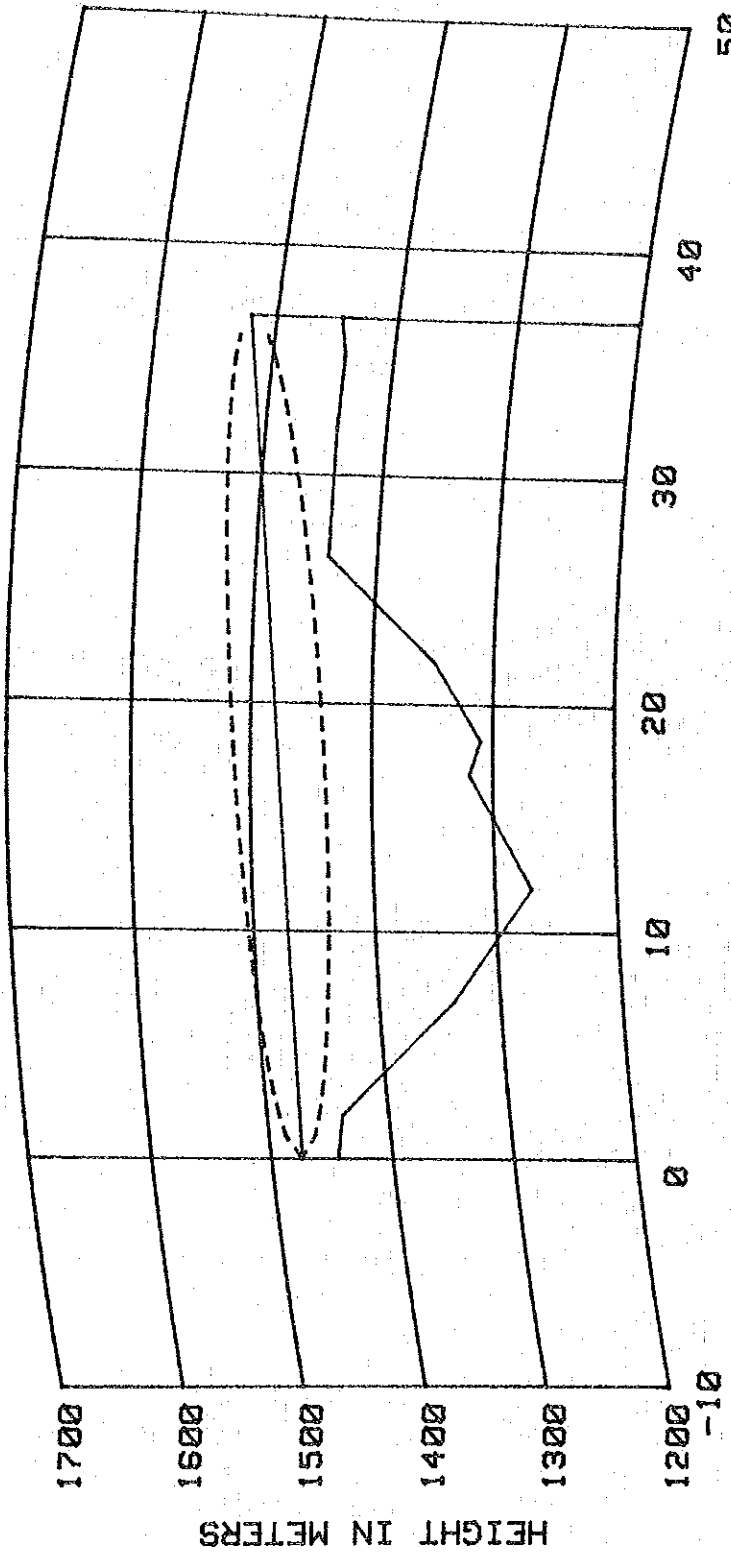
GROUND ELEVATION: 1445.0 m

ANTENNA HEIGHT: 30.0 m

KAMA05

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE D : 36.9 km

SITE 1 : LUMINGU

SITE 2 : MUMBA

GROUND ELEVATION: 1445.0 m

GROUND ELEVATION: 1445.0 m

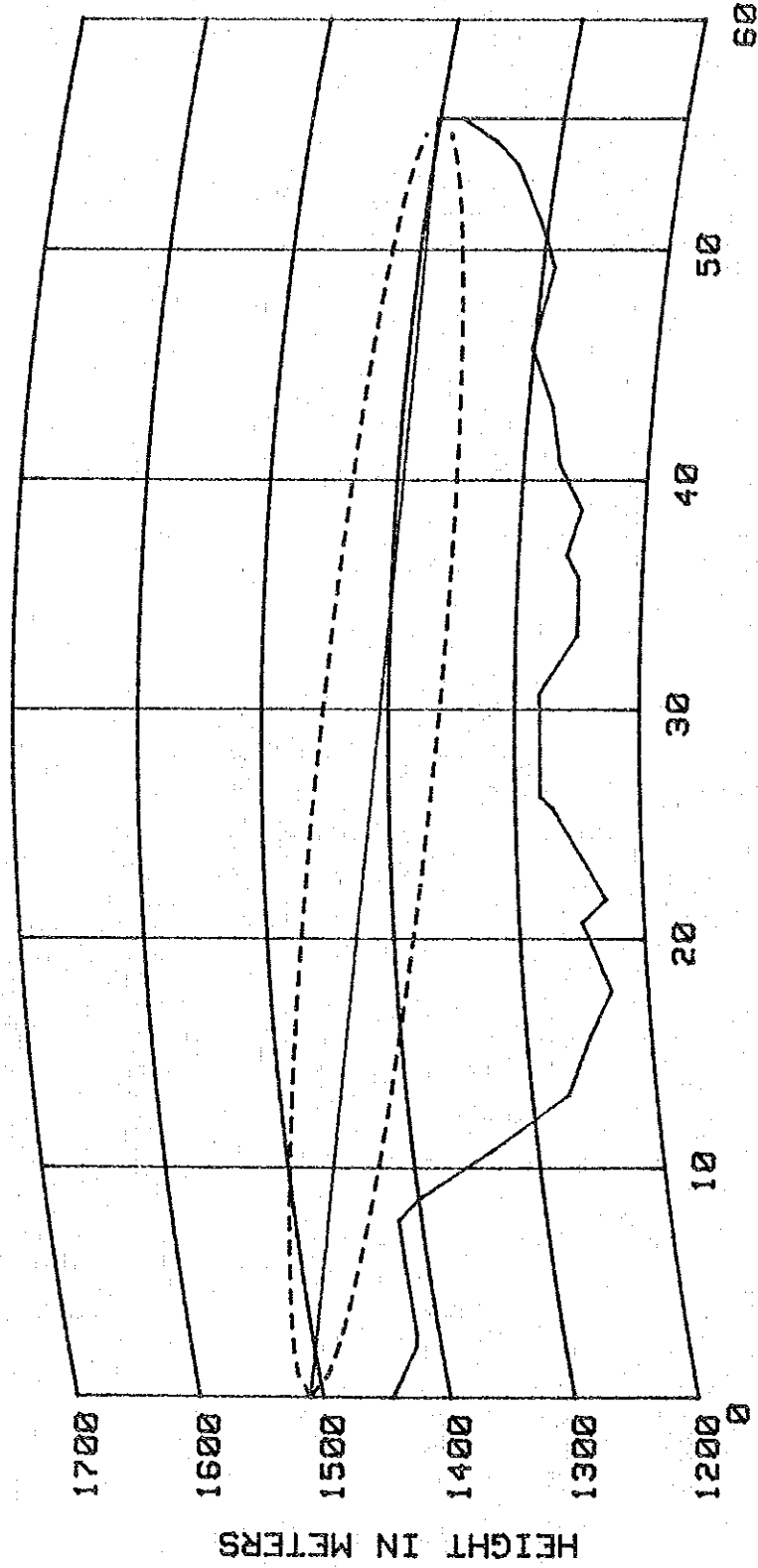
ANTENNA HEIGHT: 30.0 m

ANTENNA HEIGHT: 75.0 m

KAMA06

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 55.7 km

SITE 1 : MUMBA

SITE 2 : BULULU

GROUND ELEVATION: 1445.0 m

GROUND ELEVATION: 1380.0 m

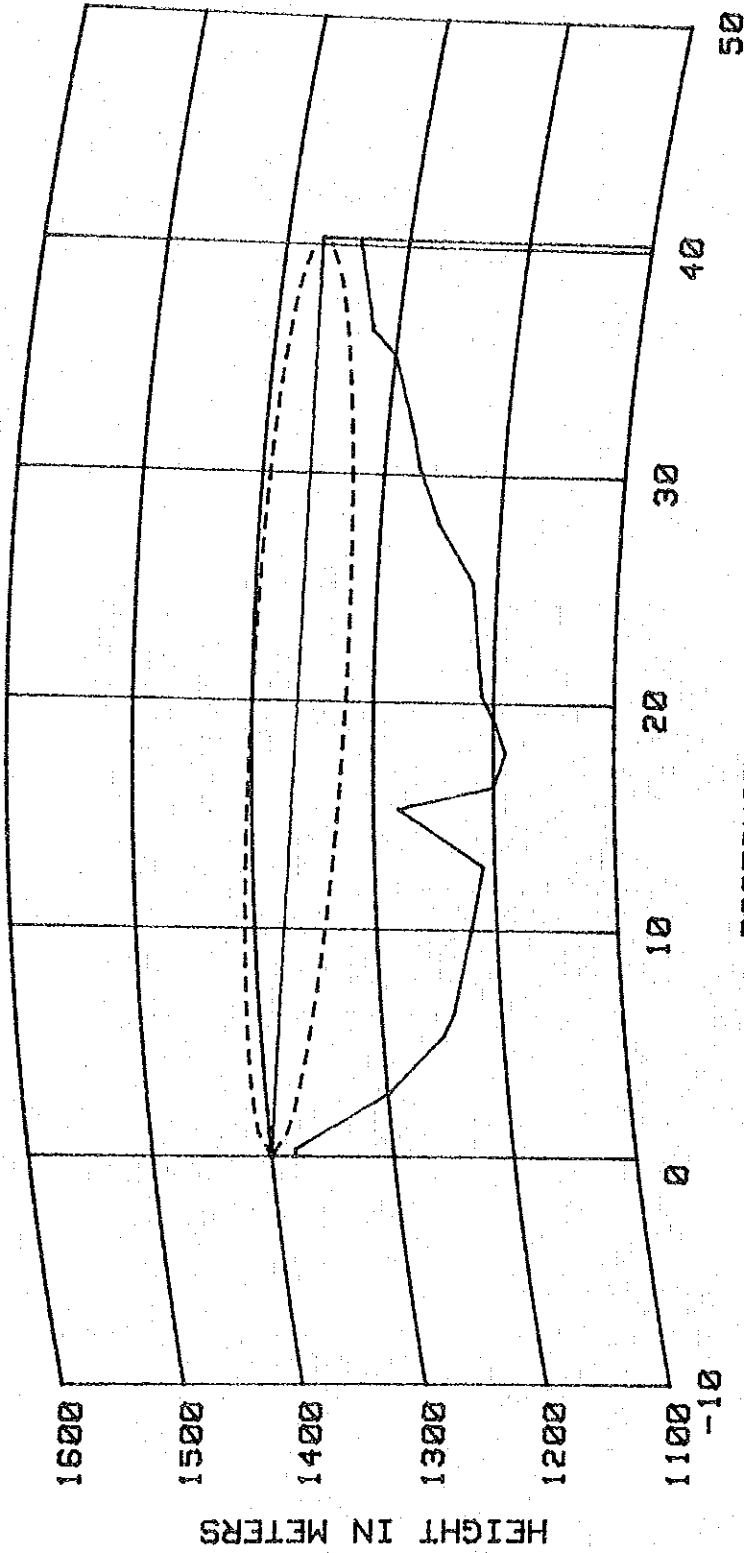
ANTENNA HEIGHT: 65.0 m

ANTENNA HEIGHT: 20.0 m

KAMA07

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 40.3 km

SITE 1 : BULULU

SITE 2 : YAMBAYAMBA

GROUND ELEVATION: 1380.0 m

GROUND ELEVATION: 1340.0 m

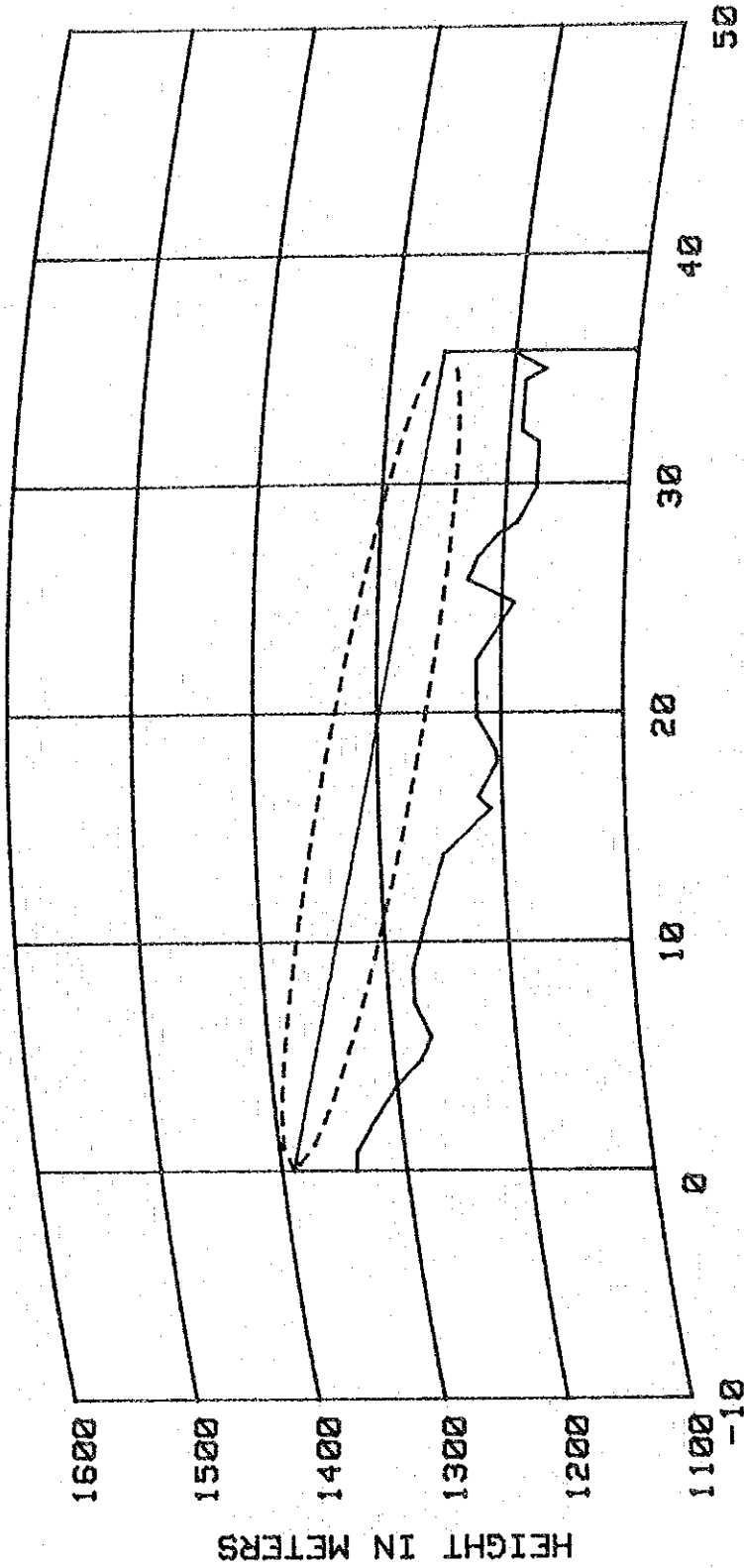
ANTENNA HEIGHT: 20.0 m

ANTENNA HEIGHT: 30.0 m

KAMA08

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE D : 35.8 km

SITE 1 : YAMBAYAMBA

SITE 2 : MANSA

GROUND ELEVATION: 1340.0 m

GROUND ELEVATION: 1202.0 m

ANTENNA HEIGHT: 50.0 m

ANTENNA HEIGHT: 55.0 m

ANNEX - I

Path Profile Maps  
for  
Kasama Rural Links

- 1) Sumina - Indu
- 2) Indu - Mikolo
- 3) Mikolo - Munyesi
- 4) Munyesi - Mbala
- 5) Munyesi - Mpulungu
- 6) Mikolo - Senga Hill
- 7) Indu - Sambala
- 8) Sambala - Kafwambe
- 9) Kafwambe - Mporokoso

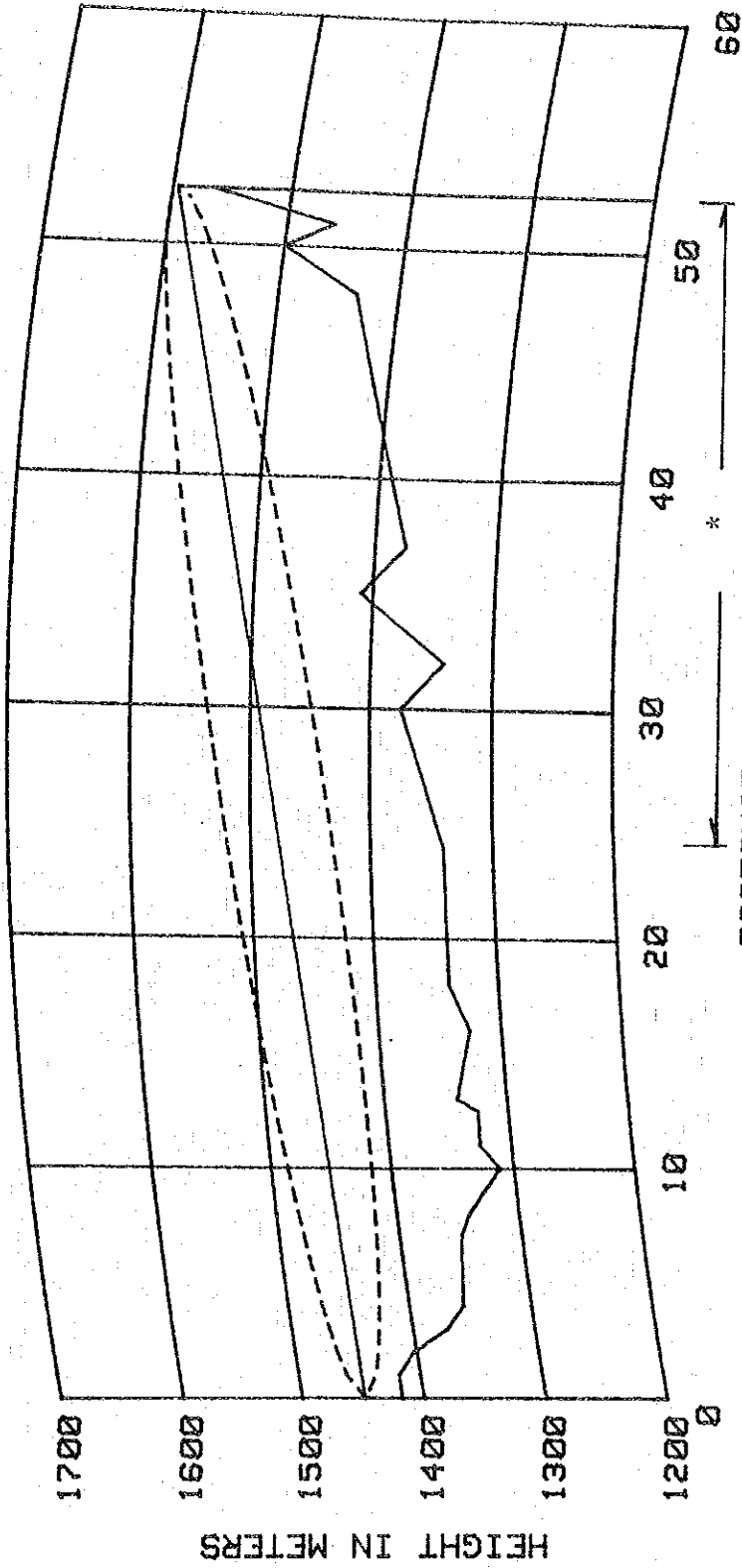




KAMB01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 52.4 km

SITE 1 : SUMINA

SITE 2 : INDU

GROUND ELEVATION: 1418.0 m

GROUND ELEVATION: 1565.0 m

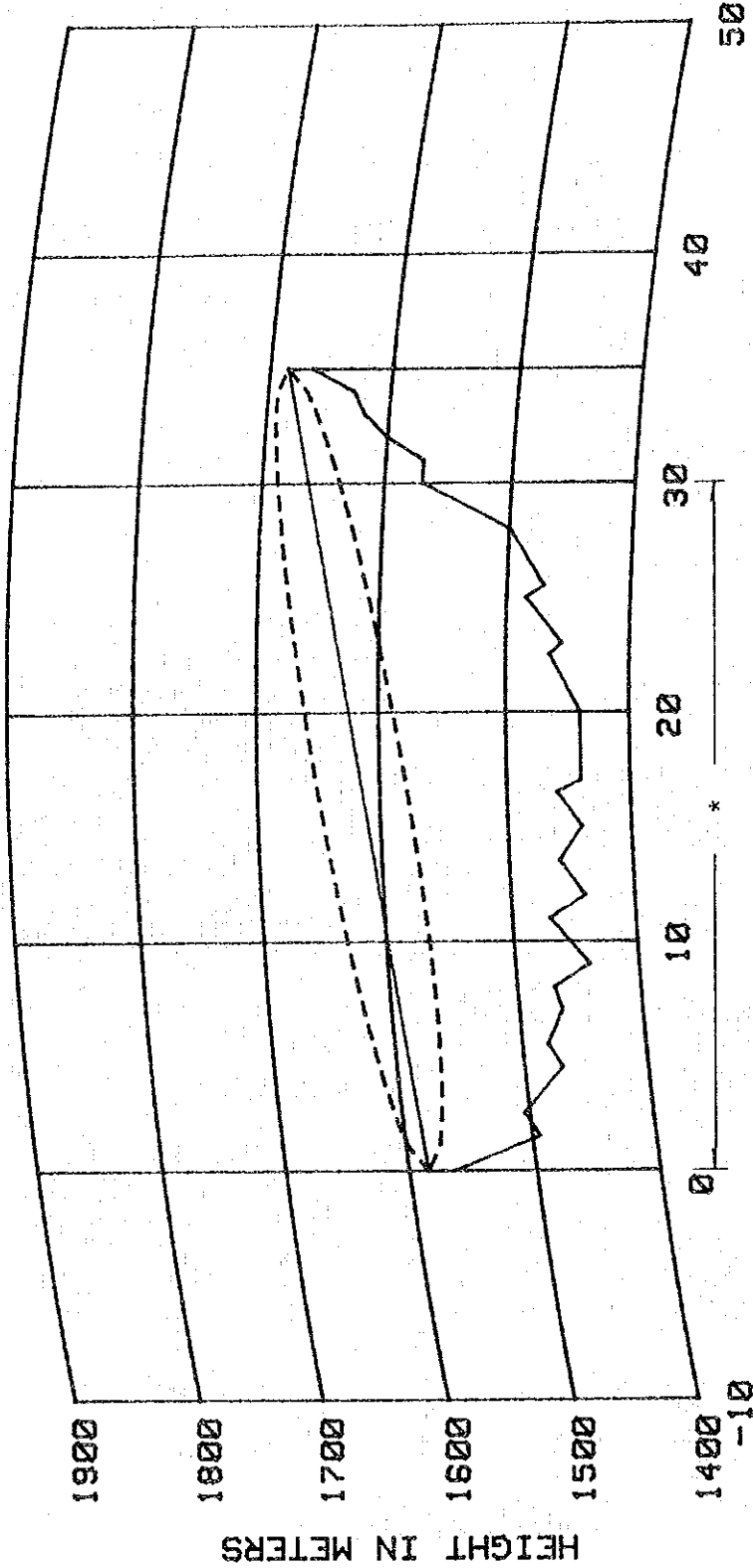
ANTENNA HEIGHT: 30.0 m

ANTENNA HEIGHT: 30.0 m

KAMB02

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 35 km

SITE 1 : INDU

SITE 2 : MIKOLO

GROUND ELEVATION: 1565.0 m

GROUND ELEVATION: 1665.0 m

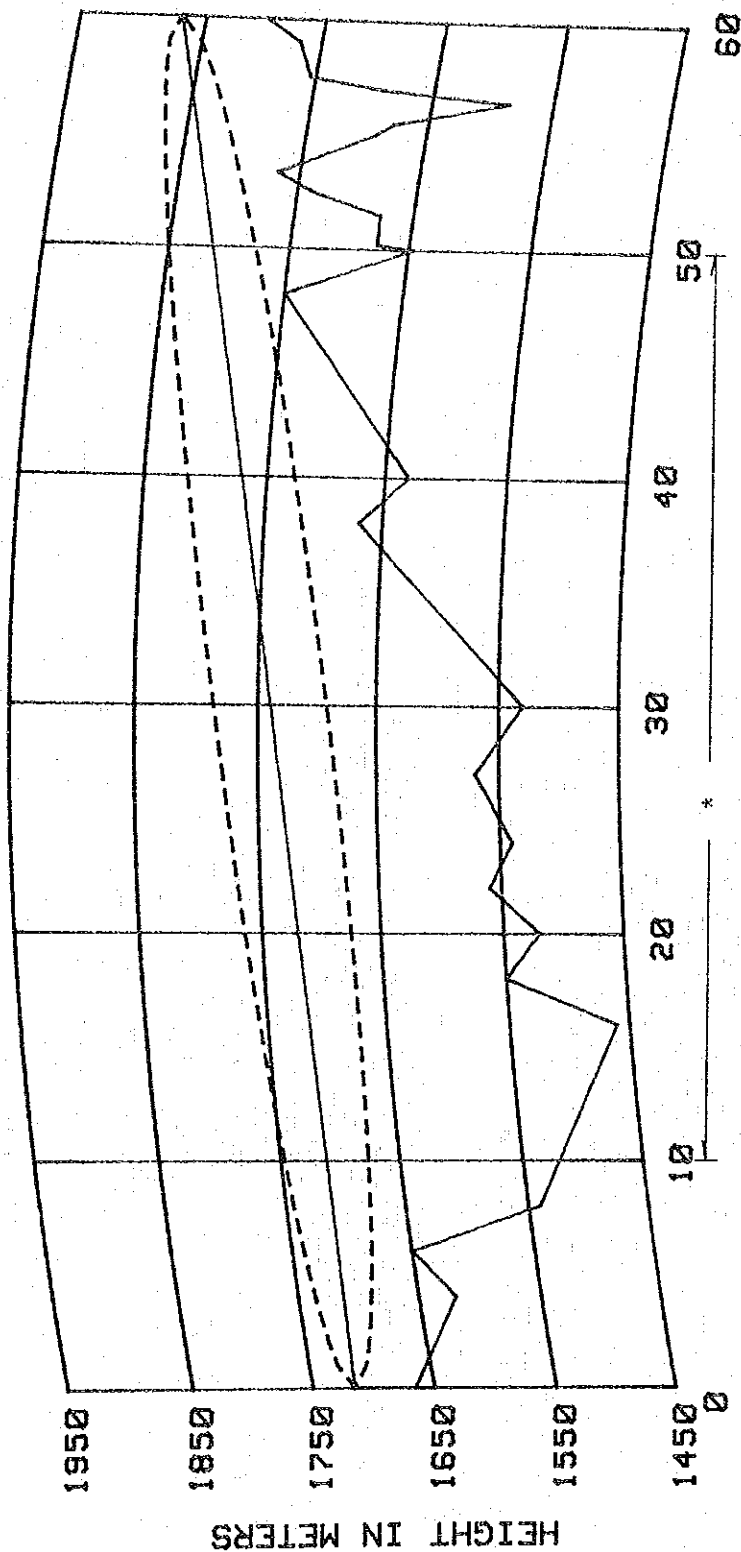
ANTENNA HEIGHT: 20.0 m

ANTENNA HEIGHT: 20.0 m

KAMB03

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 60 km

SITE 1 : MIKOLO

SITE 2 : MUNYESI

GROUND ELEVATION: 1665.0 m

GROUND ELEVATION: 1800.0 m

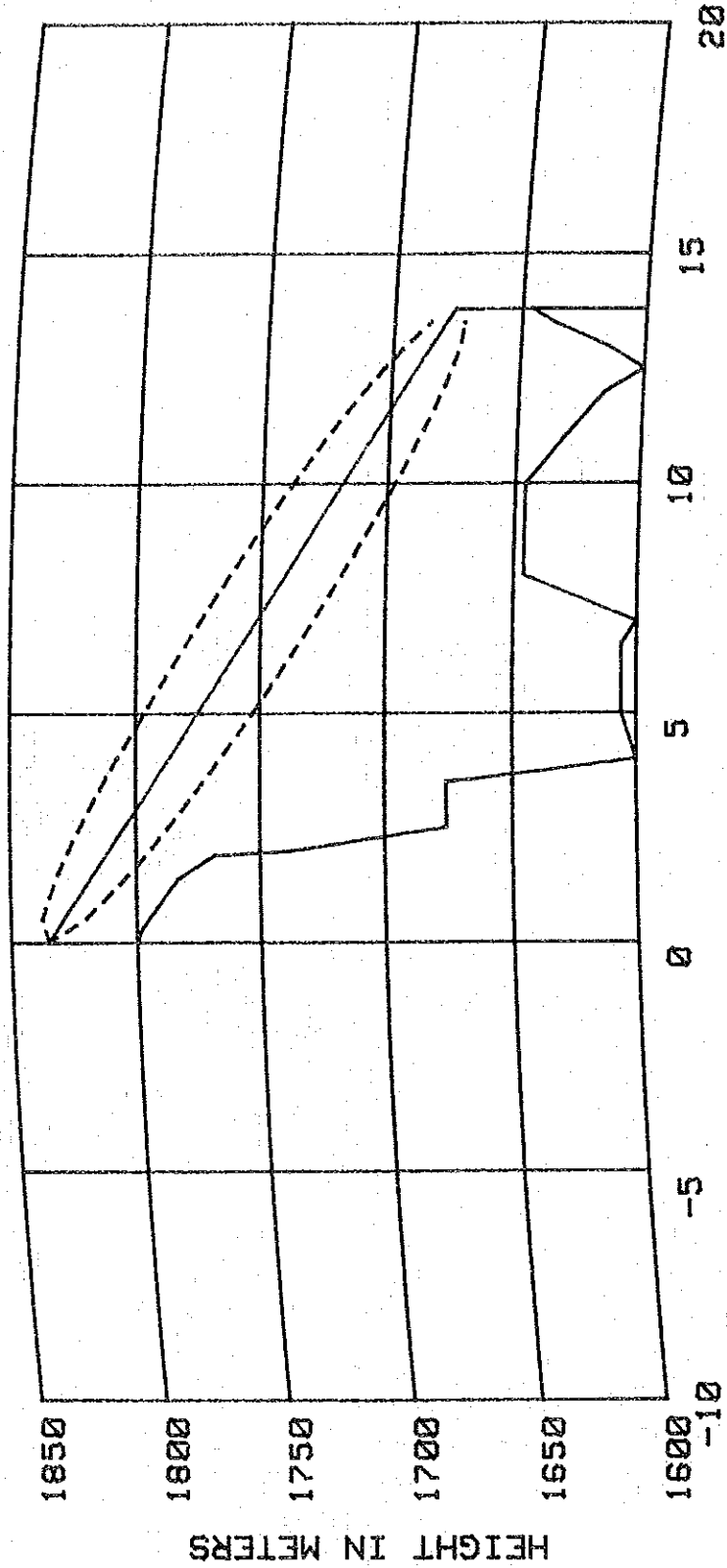
ANTENNA HEIGHT: 50.0 m

ANTENNA HEIGHT: 70.0 m

KAMB04

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 13.8 km

SITE 1 : MUNYESI

GROUND ELEVATION: 1800.0 m

ANTENNA HEIGHT: 35.0 m

SITE 2 : MBALA

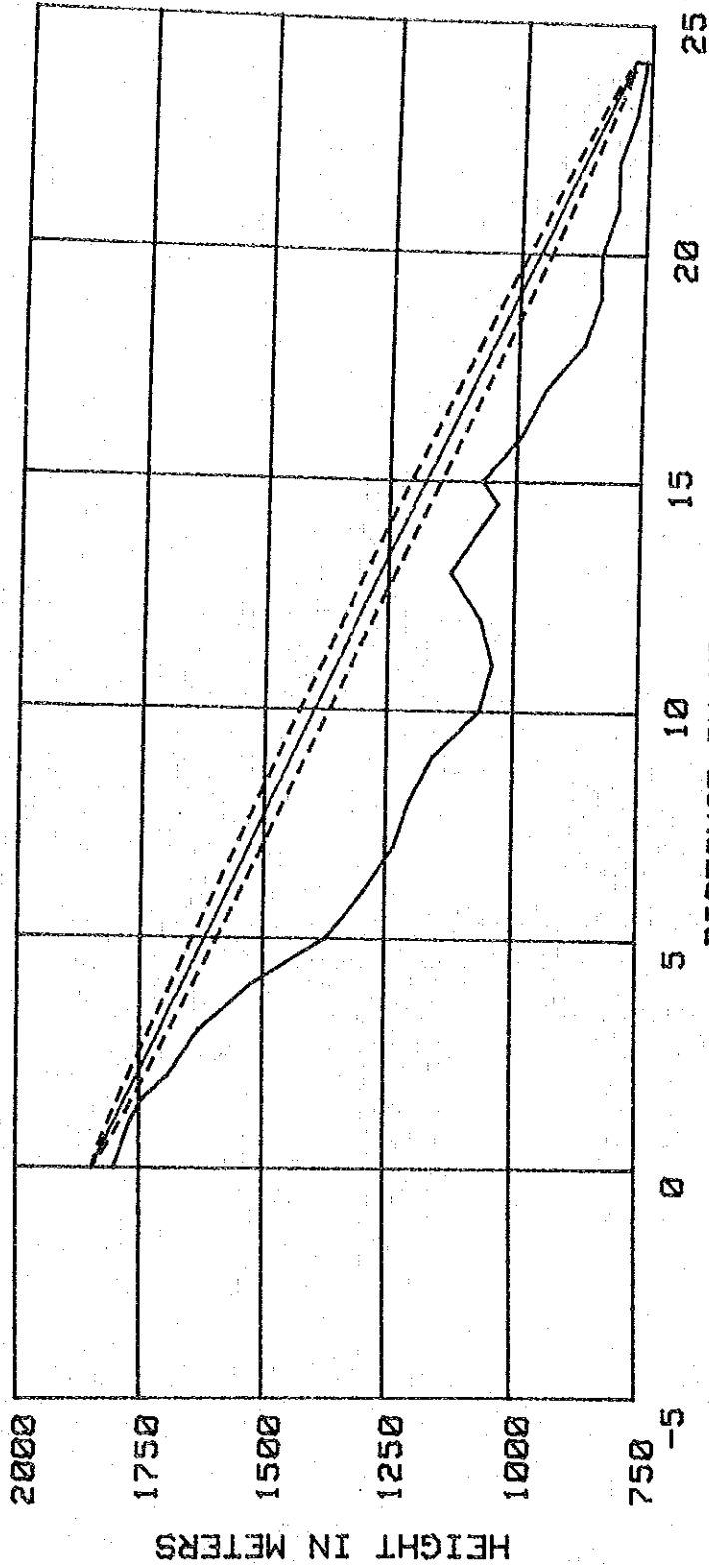
GROUND ELEVATION: 1646.0 m

ANTENNA HEIGHT: 30.0 m

KAMB05

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE D : 24.2 km

SITE 1 : MUNYESI

GROUND ELEVATION: 1800.0 m

ANTENNA HEIGHT: 45.0 m

SITE 2 : MPULUNGU

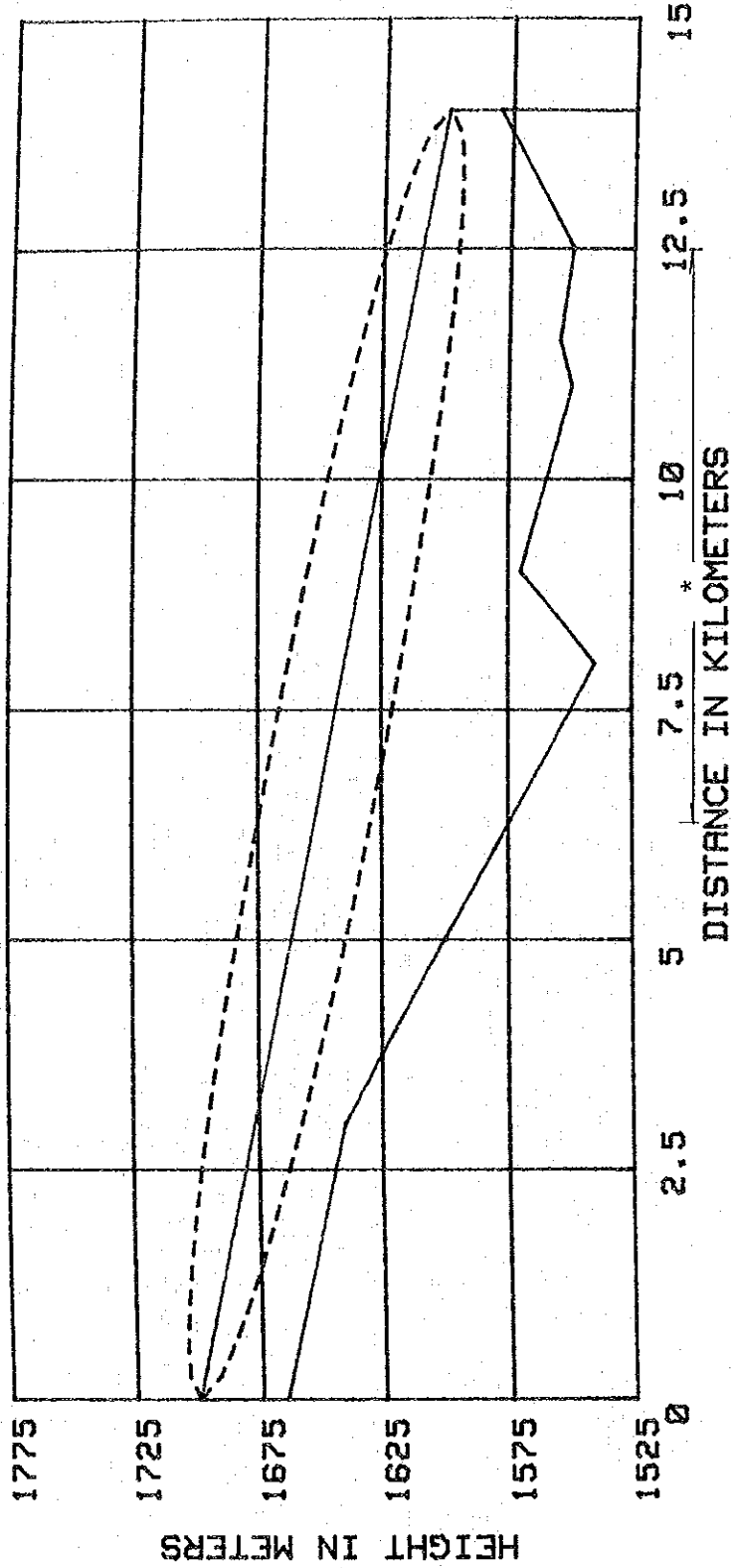
GROUND ELEVATION: 762.0 m

ANTENNA HEIGHT: 20.0 m

KAMB06

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



SITE 1 : MIKOLO

GROUND ELEVATION: 1665.0 m

ANTENNA HEIGHT: 35.0 m

SITE 2 : SENGA HILL

GROUND ELEVATION: 1580.0 m

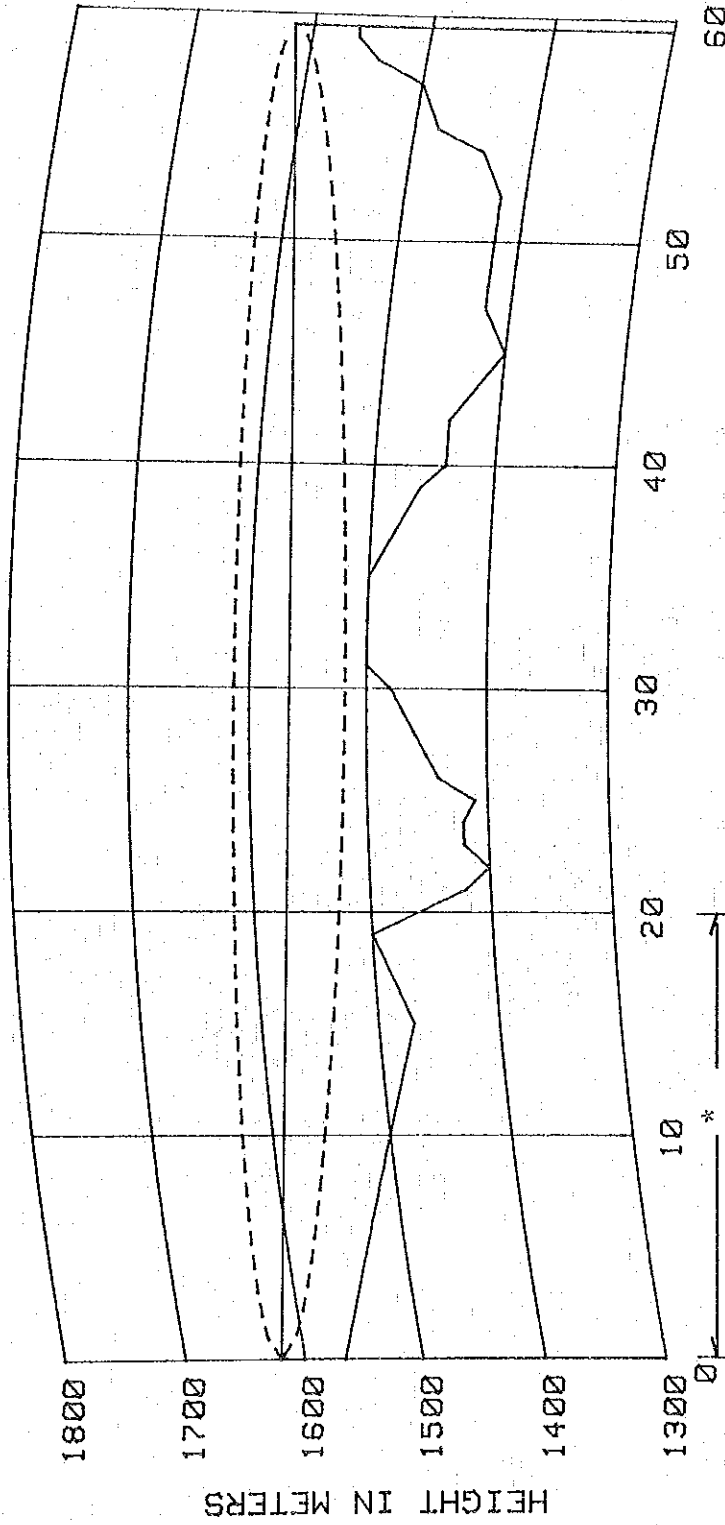
ANTENNA HEIGHT: 20.0 m

DISTANCE D : 14 km

KAMP01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE D : 59.5 km

SITE 1 : INDU

GROUND ELEVATION: 1565.0 m

ANTENNA HEIGHT: 55.0 m

SITE 2 : SAMBALA

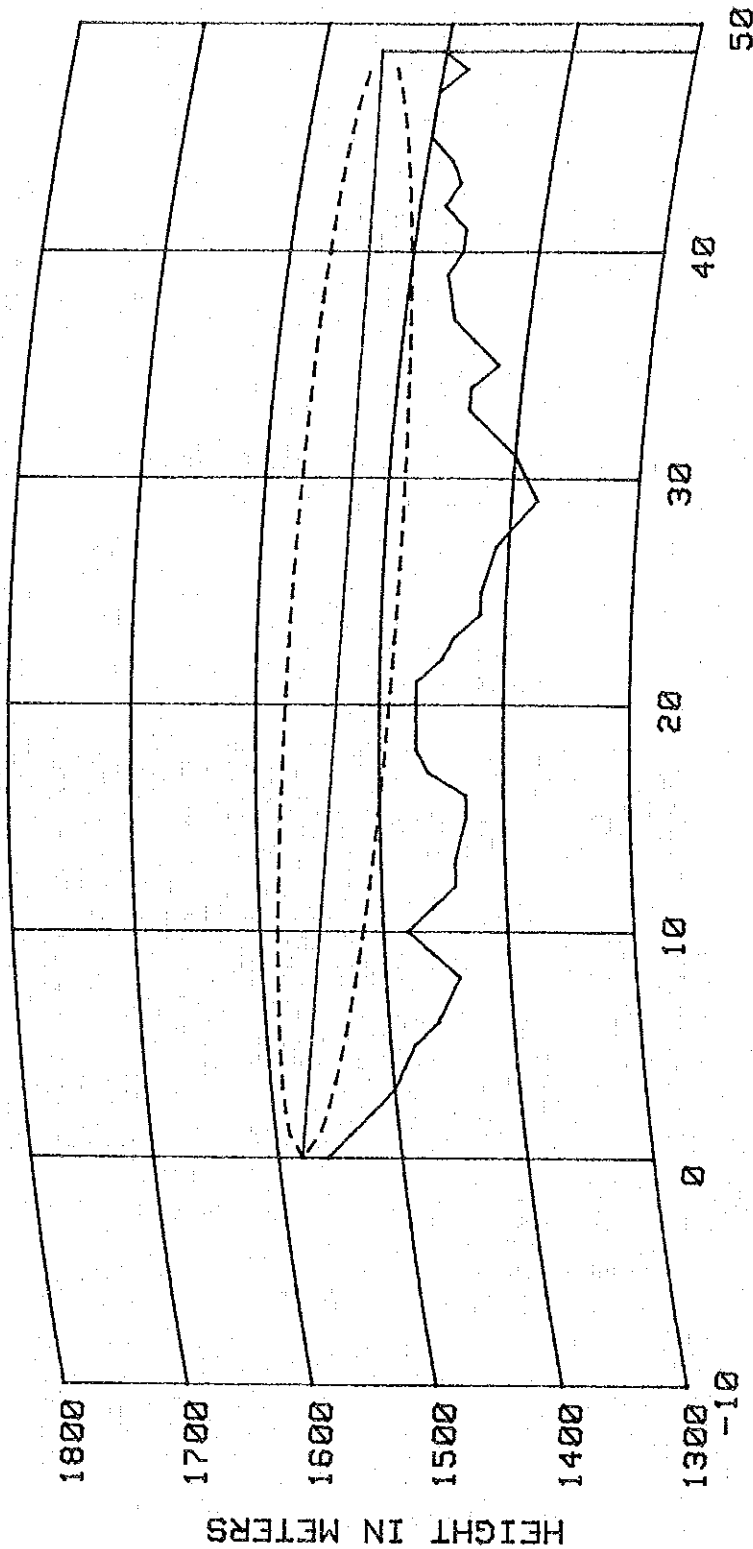
GROUND ELEVATION: 1560.0 m

ANTENNA HEIGHT: 55.0 m

KAMP02

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 48.8 km

SITE 1 : SAMBALA

GROUND ELEVATION: 1560.0 m

ANTENNA HEIGHT: 20.0 m

SITE 2 : KAFWAMBE

GROUND ELEVATION: 1500.0 m

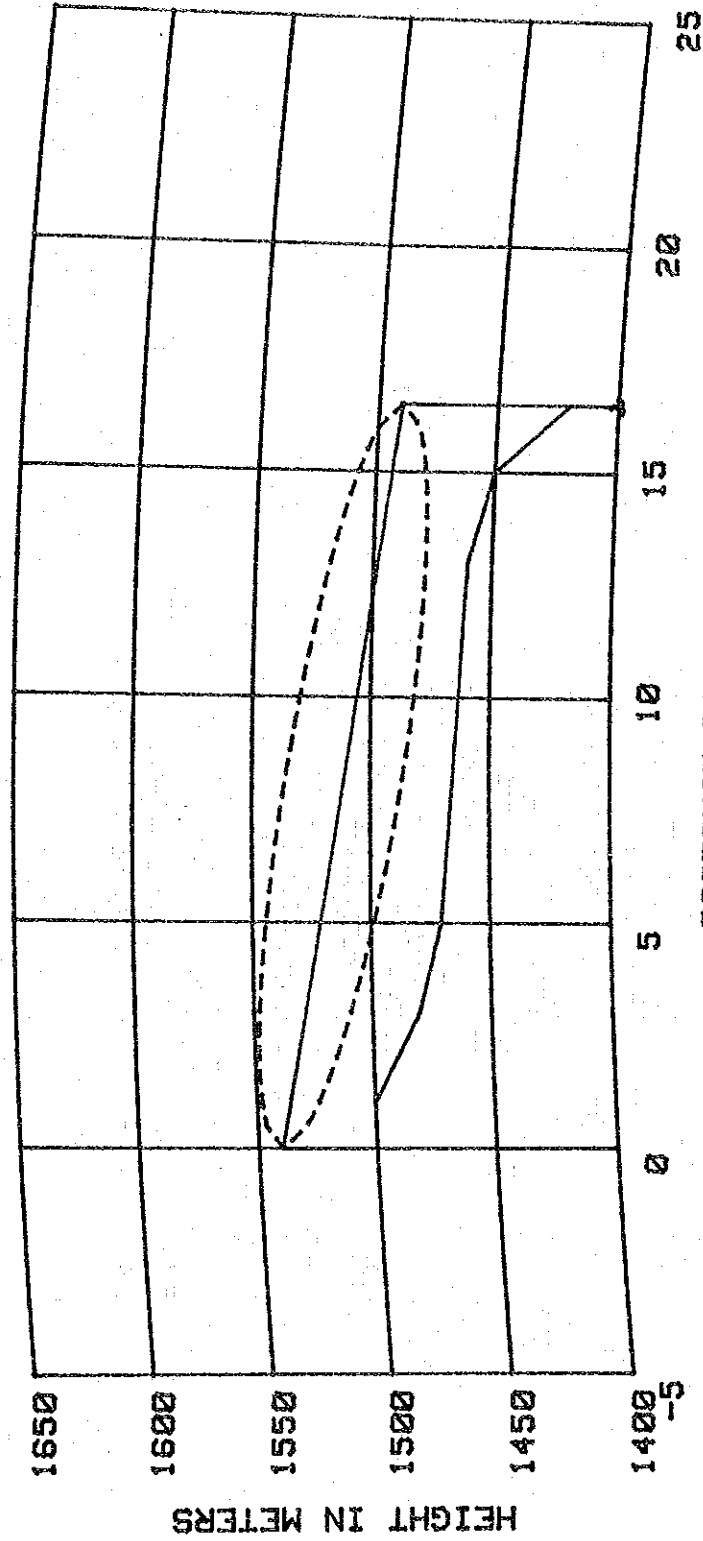
ANTENNA HEIGHT: 50.0 m



KAMP03

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 16.5 km

SITE 1 : KAFWAMBE

SITE 2 : MPOROKOSO

GROUND ELEVATION: 1500.0 m

GROUND ELEVATION: 1420.0 m

ANTENNA HEIGHT: 40.0 m

ANTENNA HEIGHT: 70.0 m



ANNEX - I

Path Profile Maps

for

Mansa Rural Links

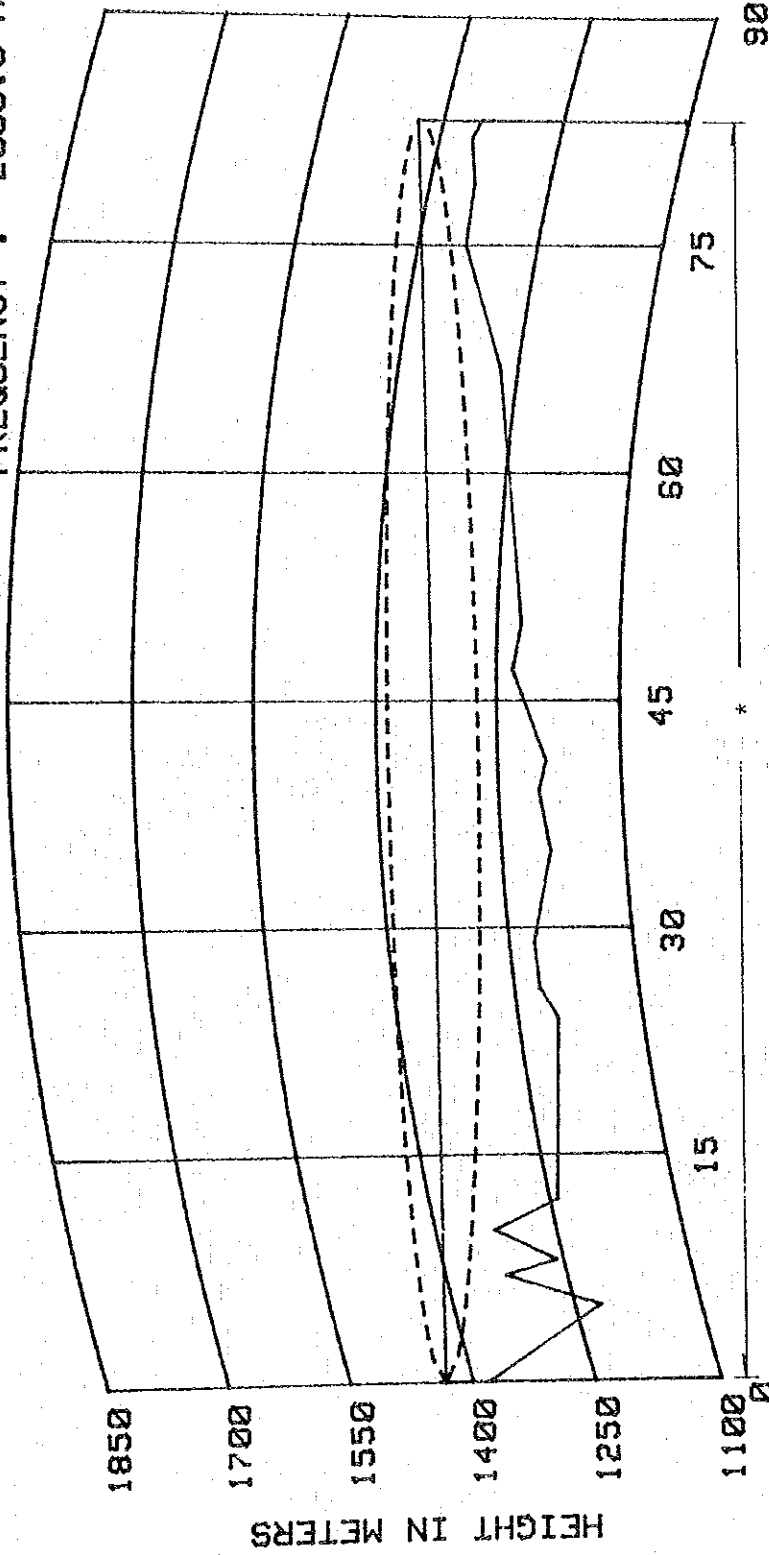
- 1) Bululu - Kawambwa
- 2) Kawambwa - Kala
- 3) Kala - Nchelenge
- 4) Bululu - Mukabi
- 5) Mukabi - Mwense
- 6) Yambayamba - Chala
- 7) Chala - Samfya



MKN01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 83.2 km

SITE 1 : BULULU

GROUND ELEVATION: 1380.0 m

ANTENNA HEIGHT: 55.0 m

SITE 2 : KAWAMBWA

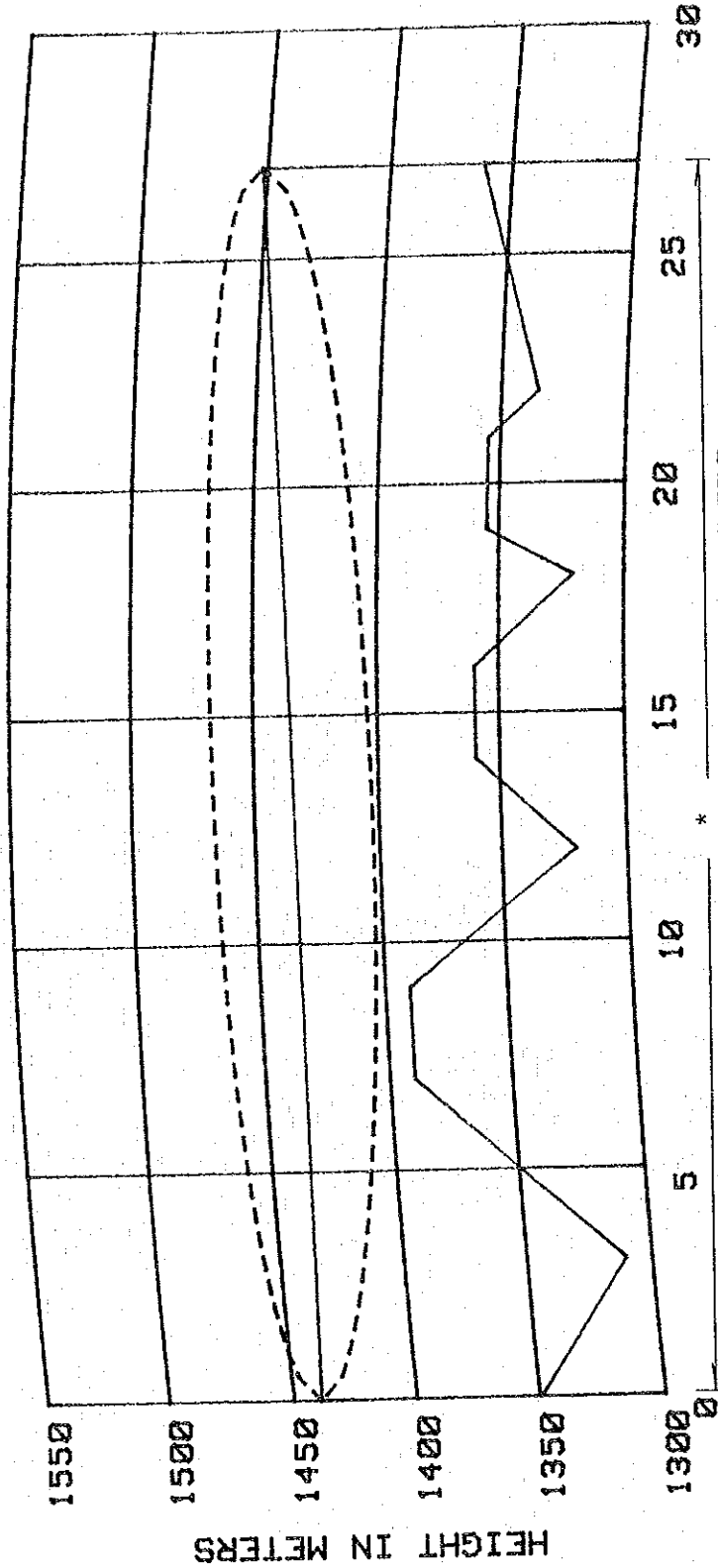
GROUND ELEVATION: 1349.0 m

ANTENNA HEIGHT: 80.0 m

MKN02

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE D : 27 km

SITE 1 : KAWAMBWA

SITE 2 : KALA

GROUND ELEVATION: 1349.0 m

GROUND ELEVATION: 1362.0 m

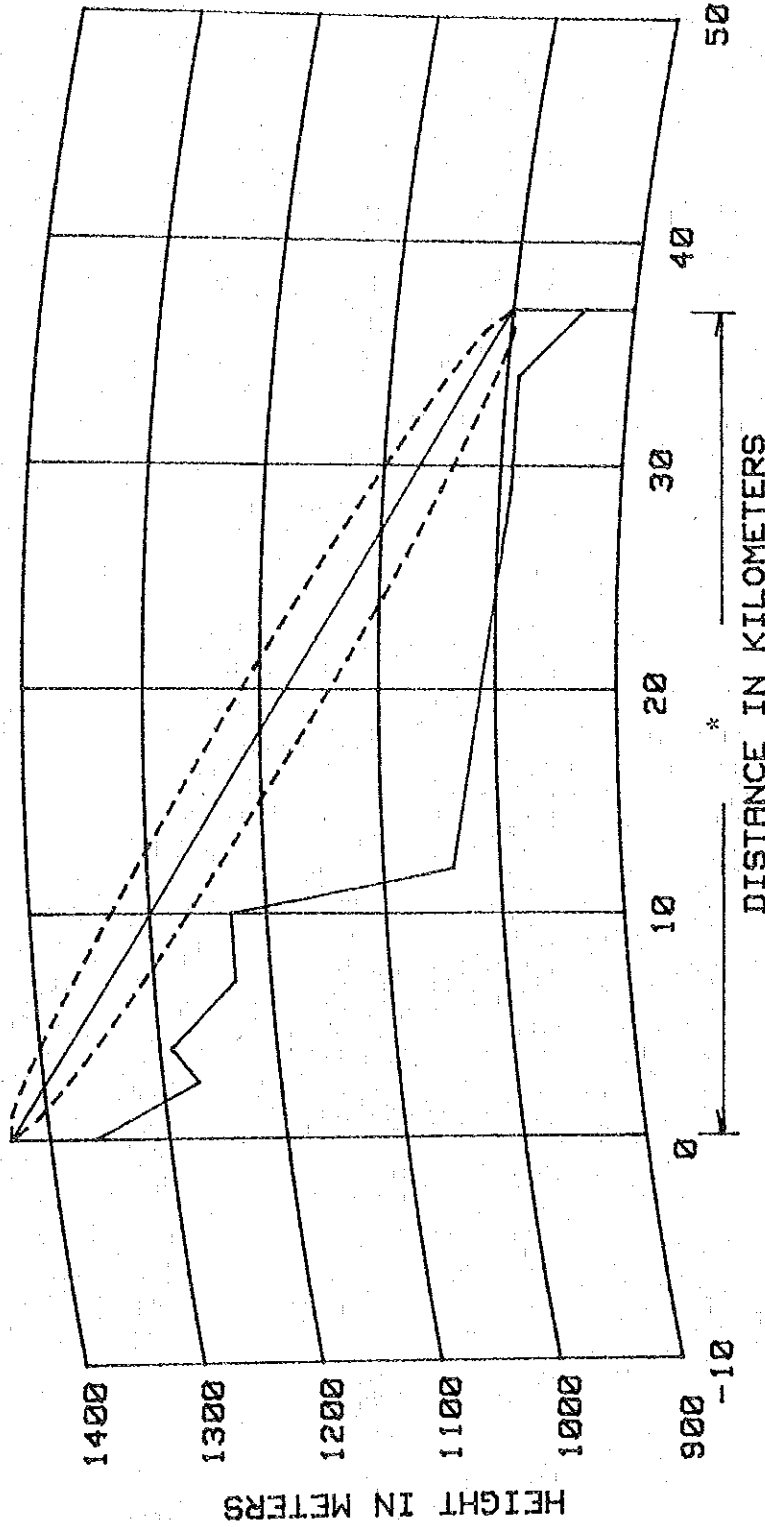
ANTENNA HEIGHT: 90.0 m

ANTENNA HEIGHT: 90.0 m

MKN03

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 37 km

SITE 1 : KALA

SITE 2 : NCHELENCE

GROUND ELEVATION: 1362.0 m

GROUND ELEVATION: 940.0 m

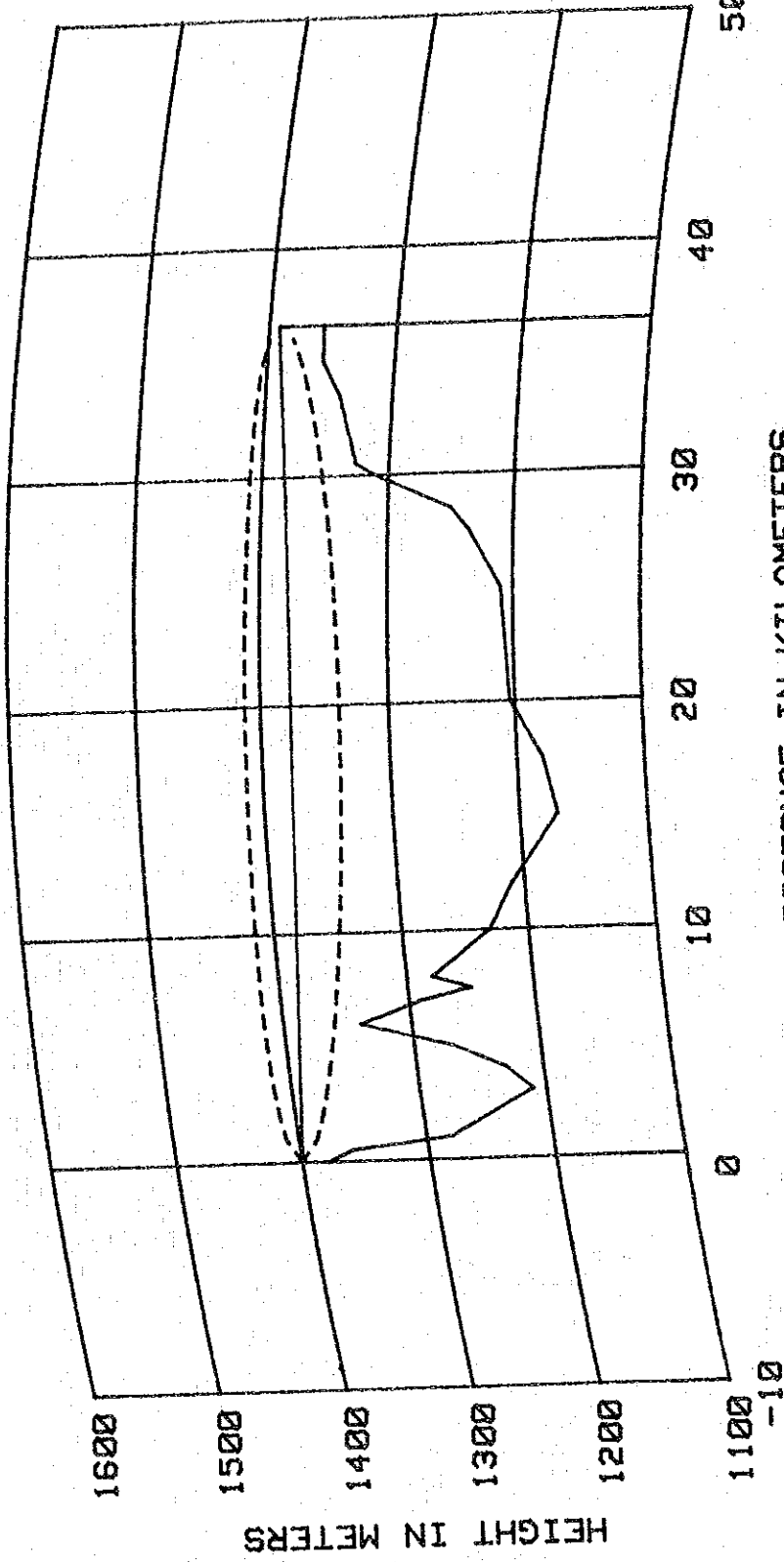
ANTENNA HEIGHT: 60.0 m

ANTENNA HEIGHT: 70.0 m

MAMM01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 36.6 km

SITE 2 : MUKABI

SITE 1 : BULULU

GROUND ELEVATION: 1356.0 m

GROUND ELEVATION: 1380.0 m

ANTENNA HEIGHT: 35.0 m

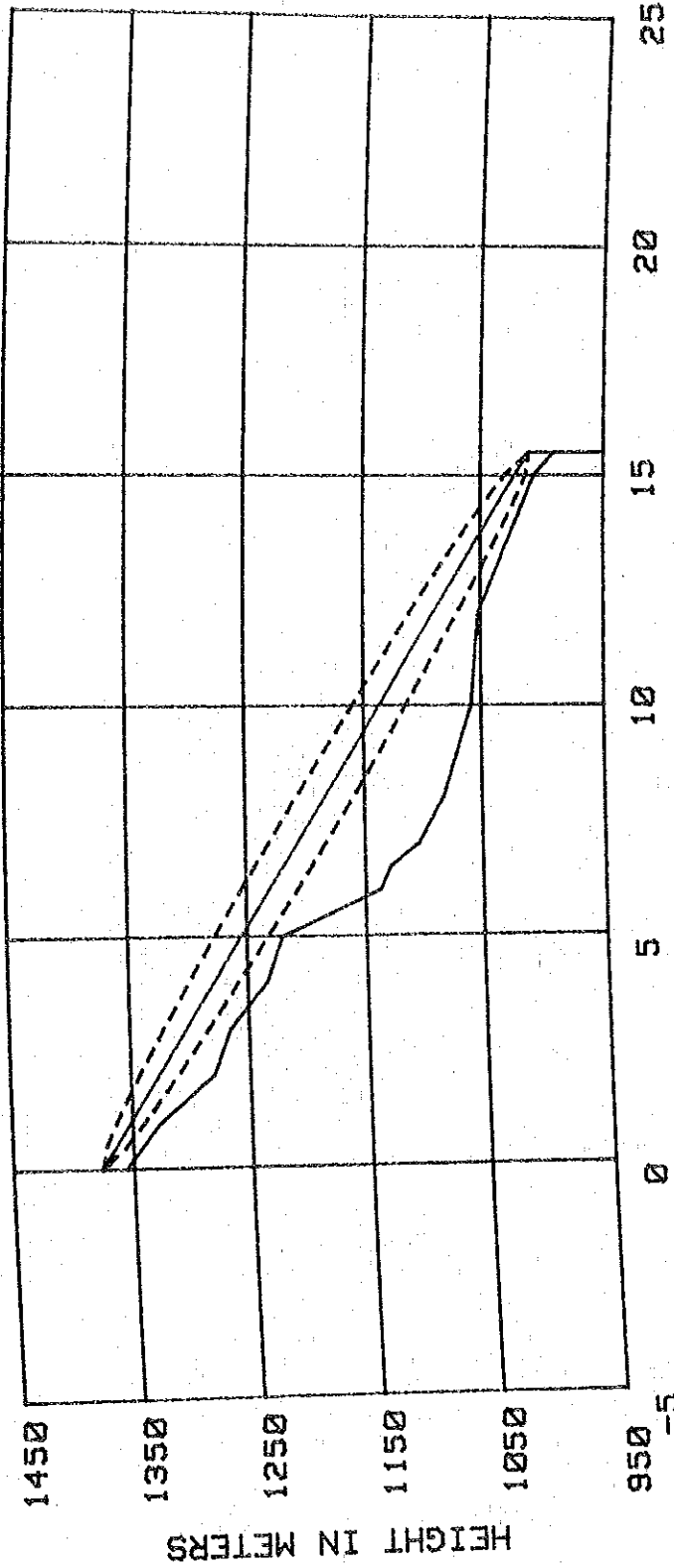
ANTENNA HEIGHT: 20.0 m



MAMW02

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE D : 15.5 km

SITE 1 : MUKABI

SITE 2 : MWENSE

GROUND ELEVATION: 1356.0 m

GROUND ELEVATION: 990.0 m

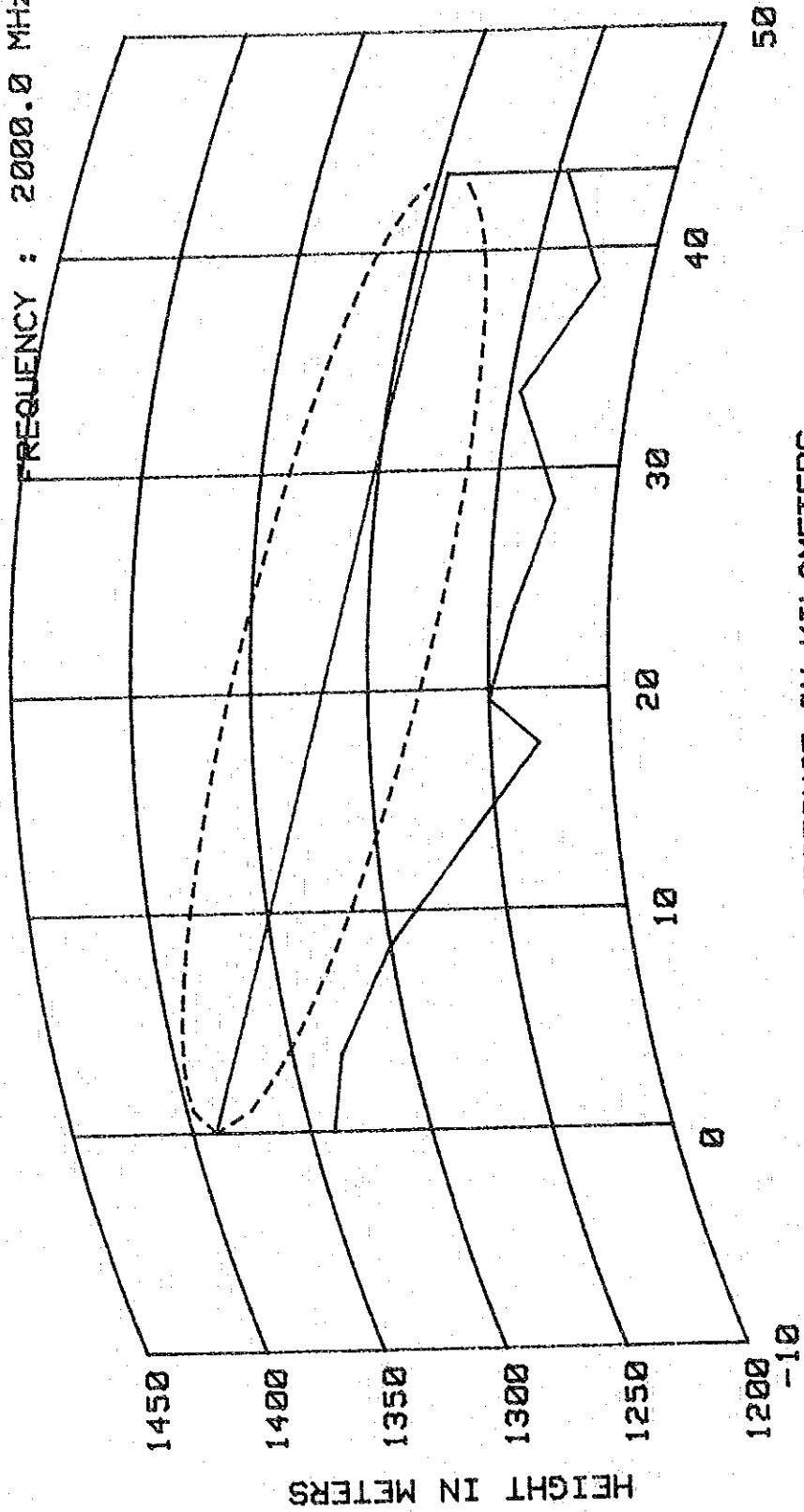
ANTENNA HEIGHT: 20.0 m

ANTENNA HEIGHT: 20.0 m

CHYR01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 43.5 km

SITE 1 : YAMBAYAMBA

SITE 2 : CHALA

GROUND ELEVATION: 1245.0 m

GROUND ELEVATION: 1340.0 m

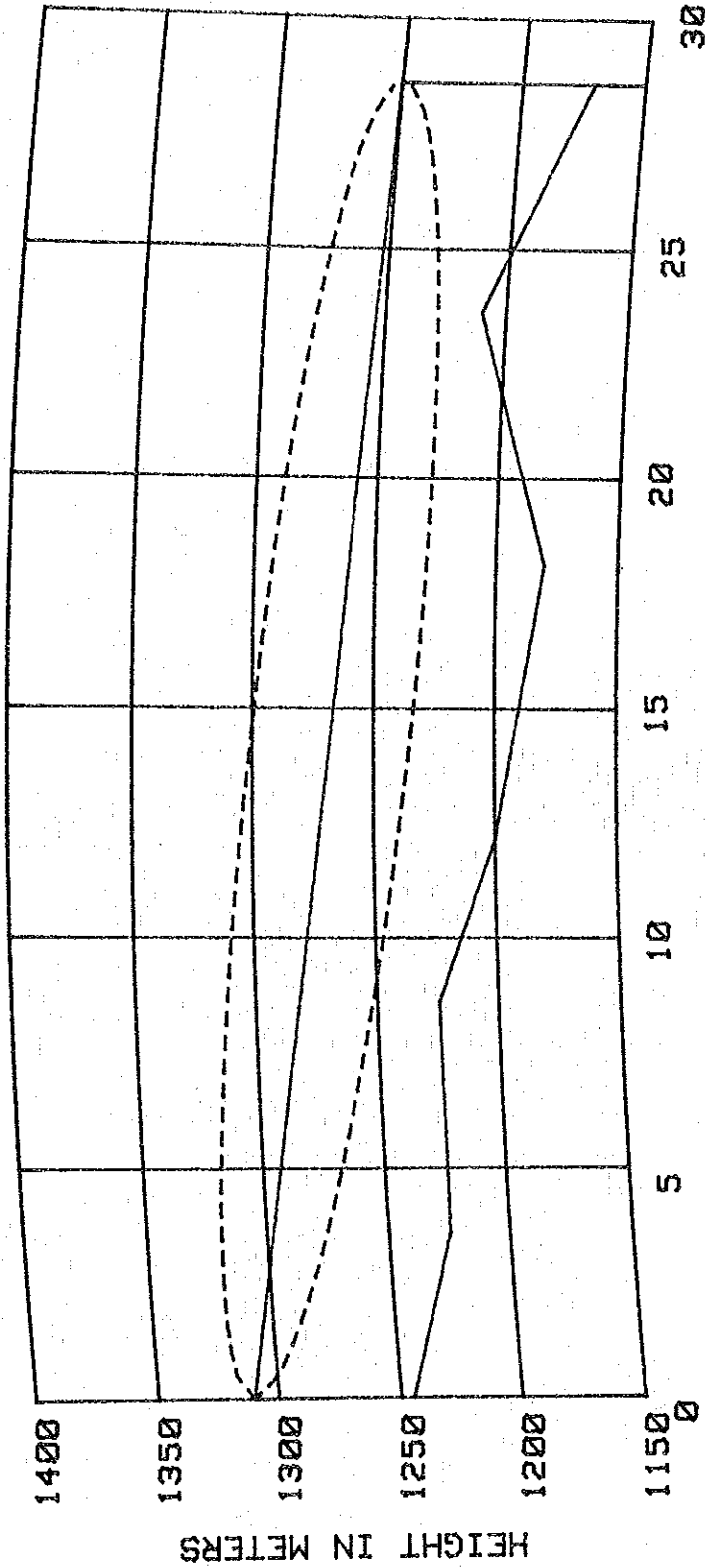
ANTENNA HEIGHT: 50.0 m

ANTENNA HEIGHT: 50.0 m

SACH01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE D : 28.6 km

SITE 1 : CHALA

GROUND ELEVATION: 1245.0 m

ANTENNA HEIGHT: 65.0 m

SITE 2 : SAMFYA

GROUND ELEVATION: 1170.0 m

ANTENNA HEIGHT: 80.0 m



ANNEX - I

Path Profile Maps

for

Chipata-Lundazi-Chama Route

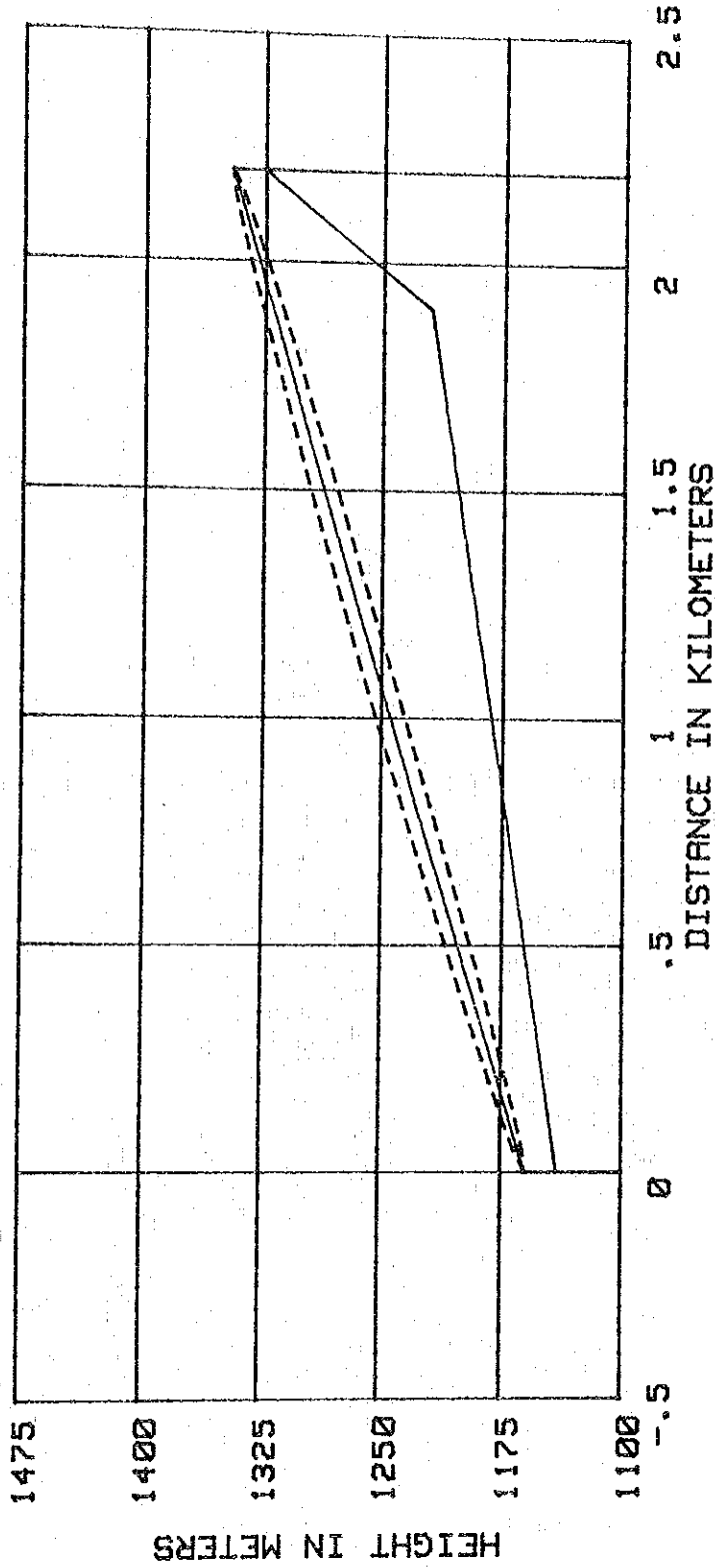
- 1) Chipata - Kanjara Hill
- 2) Kanjara Hill - Nyakutwa
- 3) Nyakutwa - New Bwalo
- 4) New Bwalo - Mponda
- 5) Mponda - Lupeta Hill
- 6) Lupeta Hill - Lundazi
- 7) Lupeta Hill - Old Magodi
- 8) Old Magodi - Manda Hill
- 9) Manda Hill - Chama South
- 10) Chama South - Chama
- 11) Kanjara Hill - Mpata Hill
- 12) Mpata Hill - Mfuwe Airport
- 13) Lupeta Hill - Manda Hill



CHL001

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



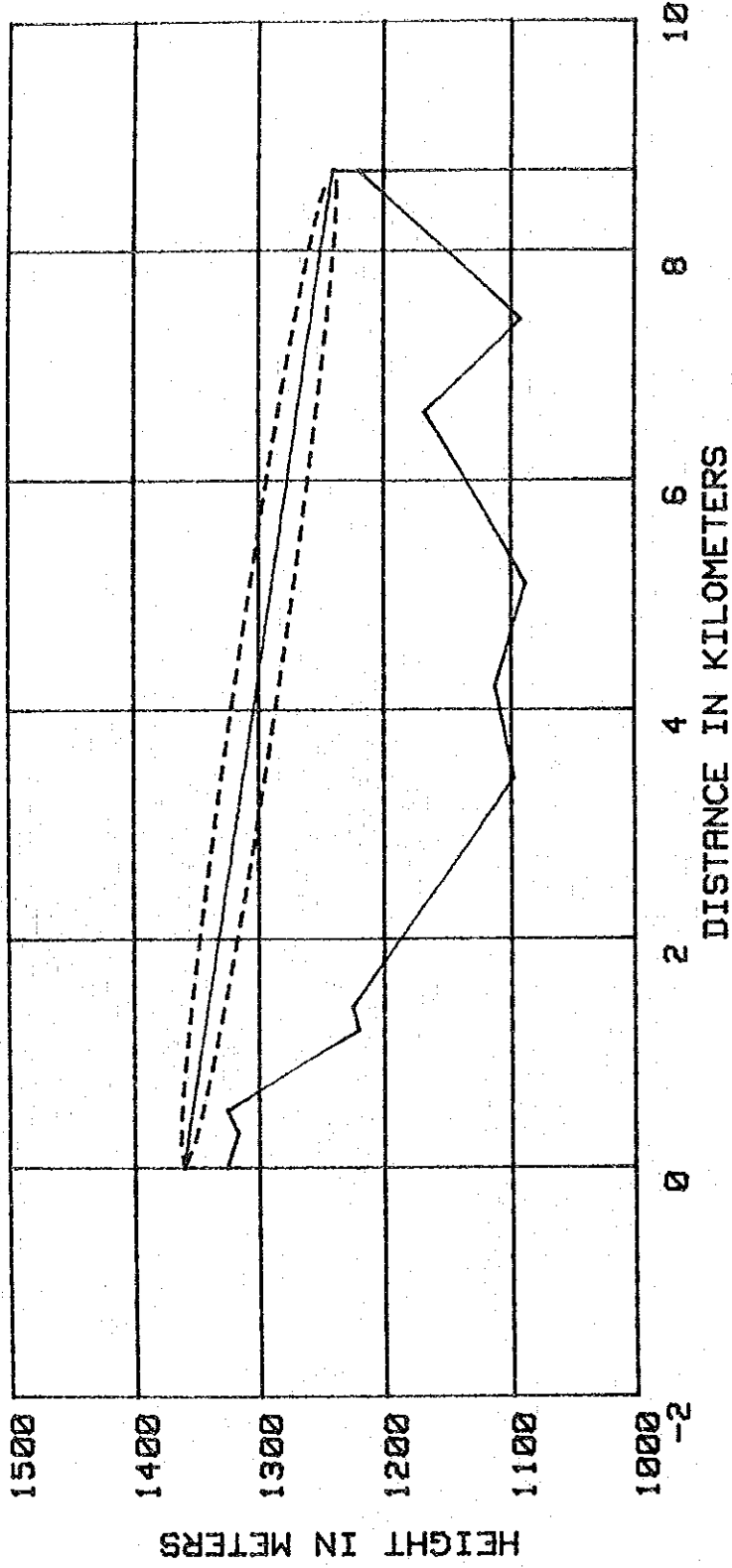
DISTANCE D : 2.2 km

SITE 1 : CHIPATA      SITE 2 : KANJARA HILL  
GROUND ELEVATION: 1140.0 m      GROUND ELEVATION: 1326.0 m  
ANTENNA HEIGHT: 20.0 m      ANTENNA HEIGHT: 20.0 m

CHLU02

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



SITE 1 : KANJARA HILL

GROUND ELEVATION: 1326.0 m

ANTENNA HEIGHT: 35.0 m

SITE 2 : NYAKUTWA

GROUND ELEVATION: 1220.0 m

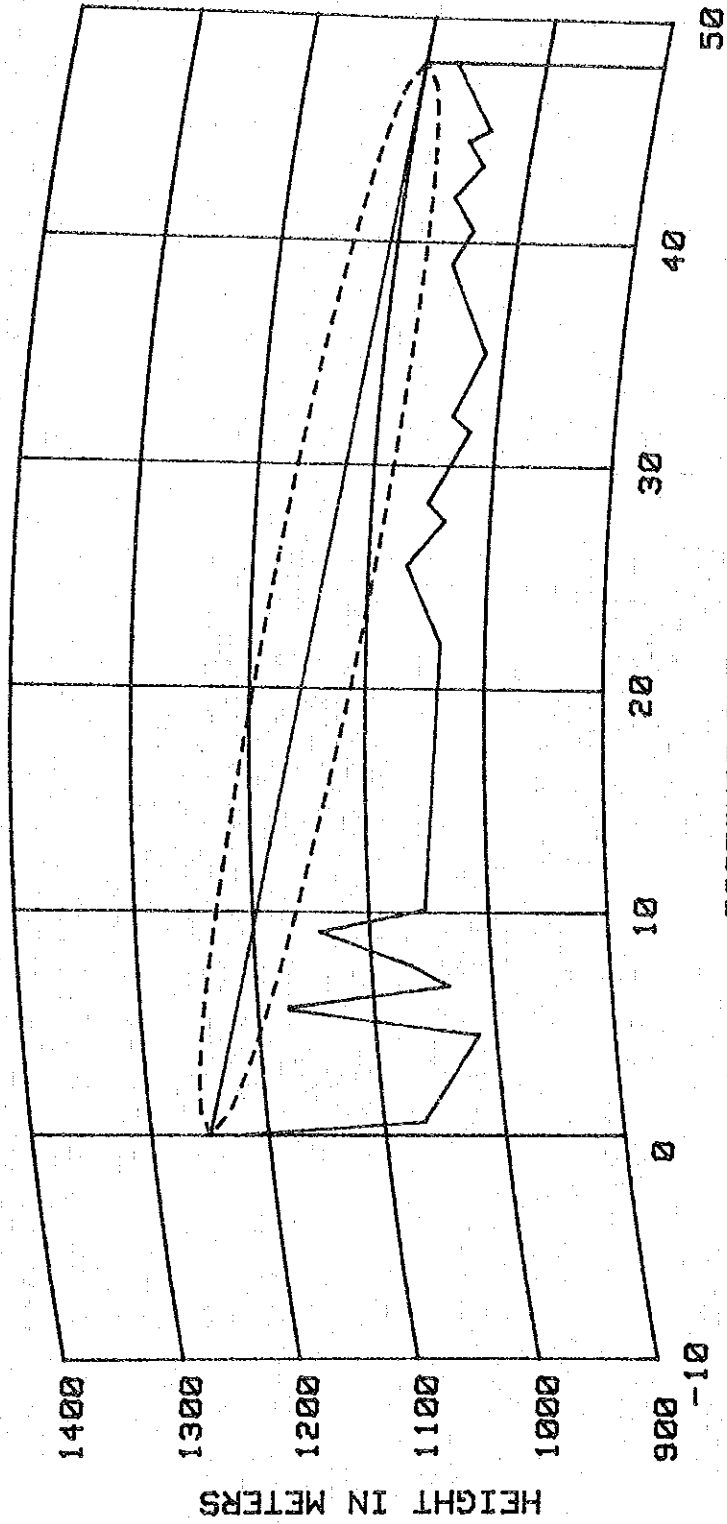
ANTENNA HEIGHT: 20.0 m



CHLU03

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 48 km

SITE 1 : NYAKUTWA

SITE 2 : NEW BWALO

GROUND ELEVATION: 1220.0 m

GROUND ELEVATION: 1075.0 m

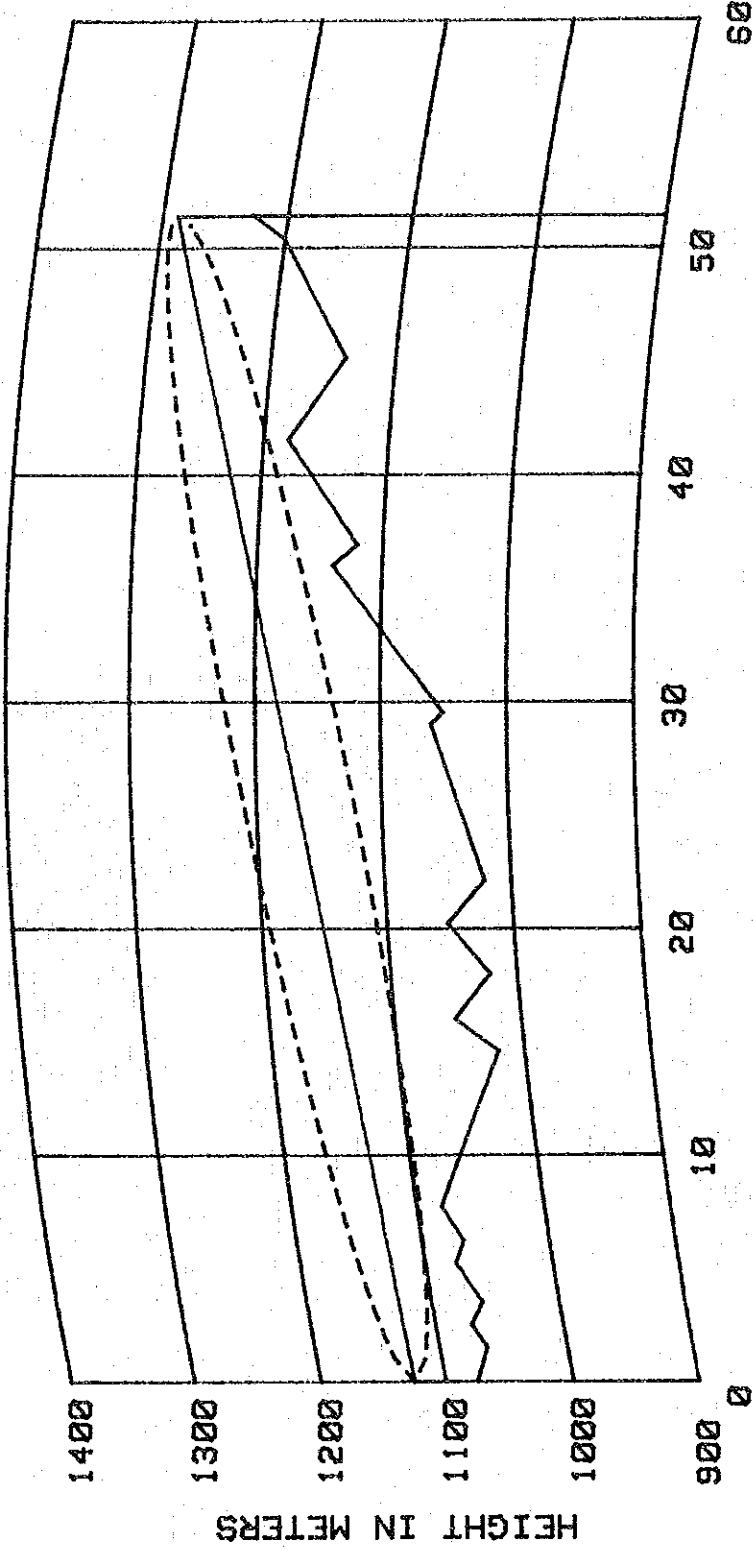
ANTENNA HEIGHT: 30.0 m

ANTENNA HEIGHT: 25.0 m

CHLU04

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 51.4 km

SITE 1 : NEW BWALO

SITE 2 : MPONDA

GROUND ELEVATION: 1075.0 m

GROUND ELEVATION: 1227.0 m

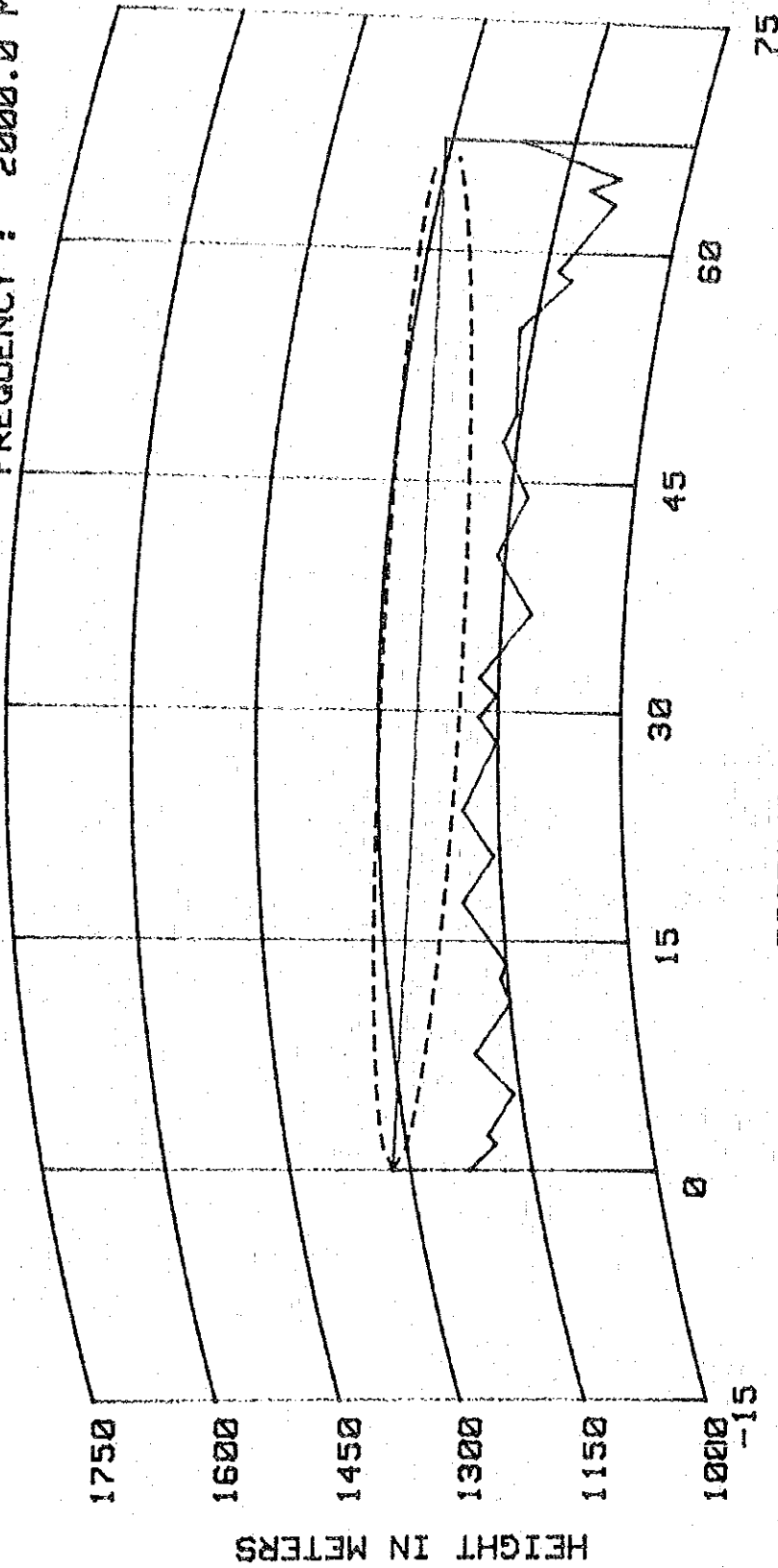
ANTENNA HEIGHT: 50.0 m

ANTENNA HEIGHT: 60.0 m

CHLU05

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 67.2 km

SITE 1 : MPONDA

SITE 2 : LUPETA HILL

GROUND ELEVATION: 1227.0 m

GROUND ELEVATION: 1208.0 m

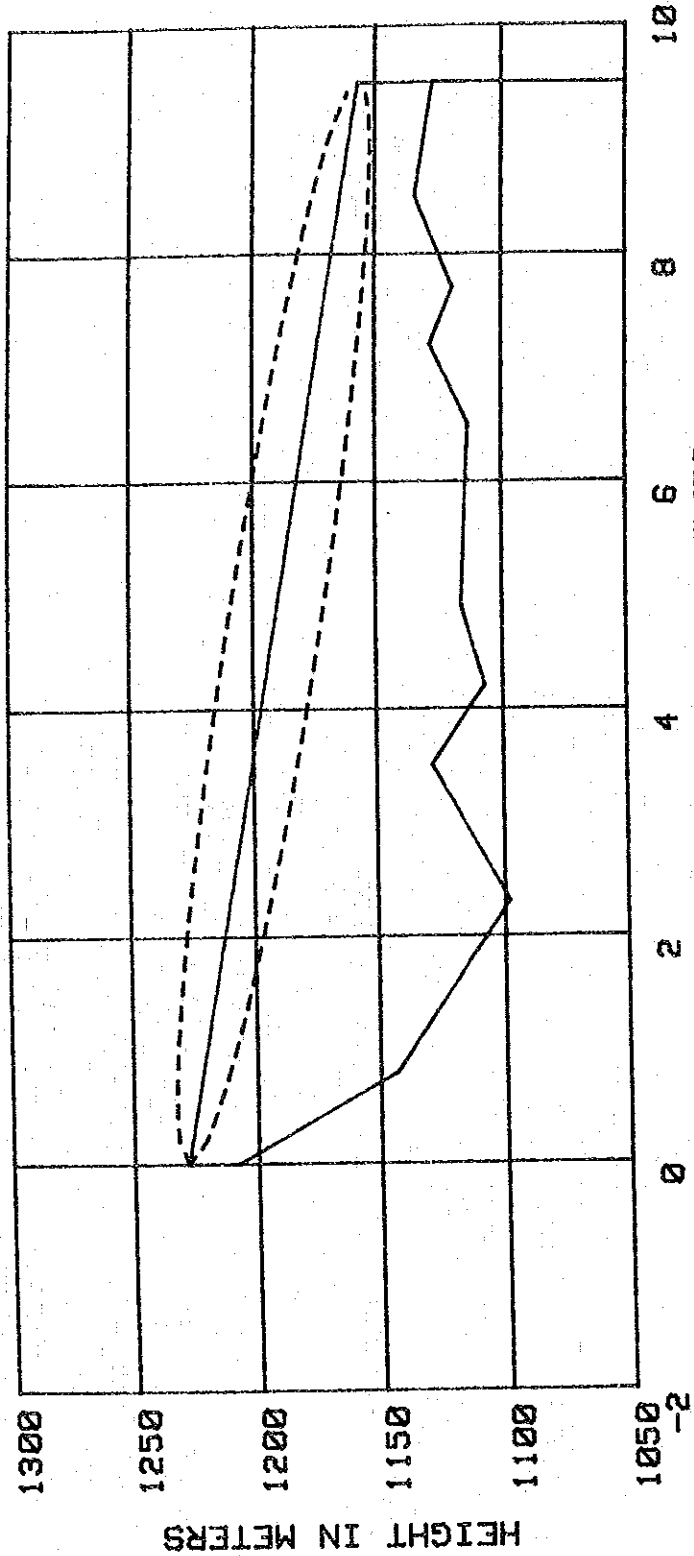
ANTENNA HEIGHT: 95.0 m

ANTENNA HEIGHT: 95.0 m

CHLU06

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



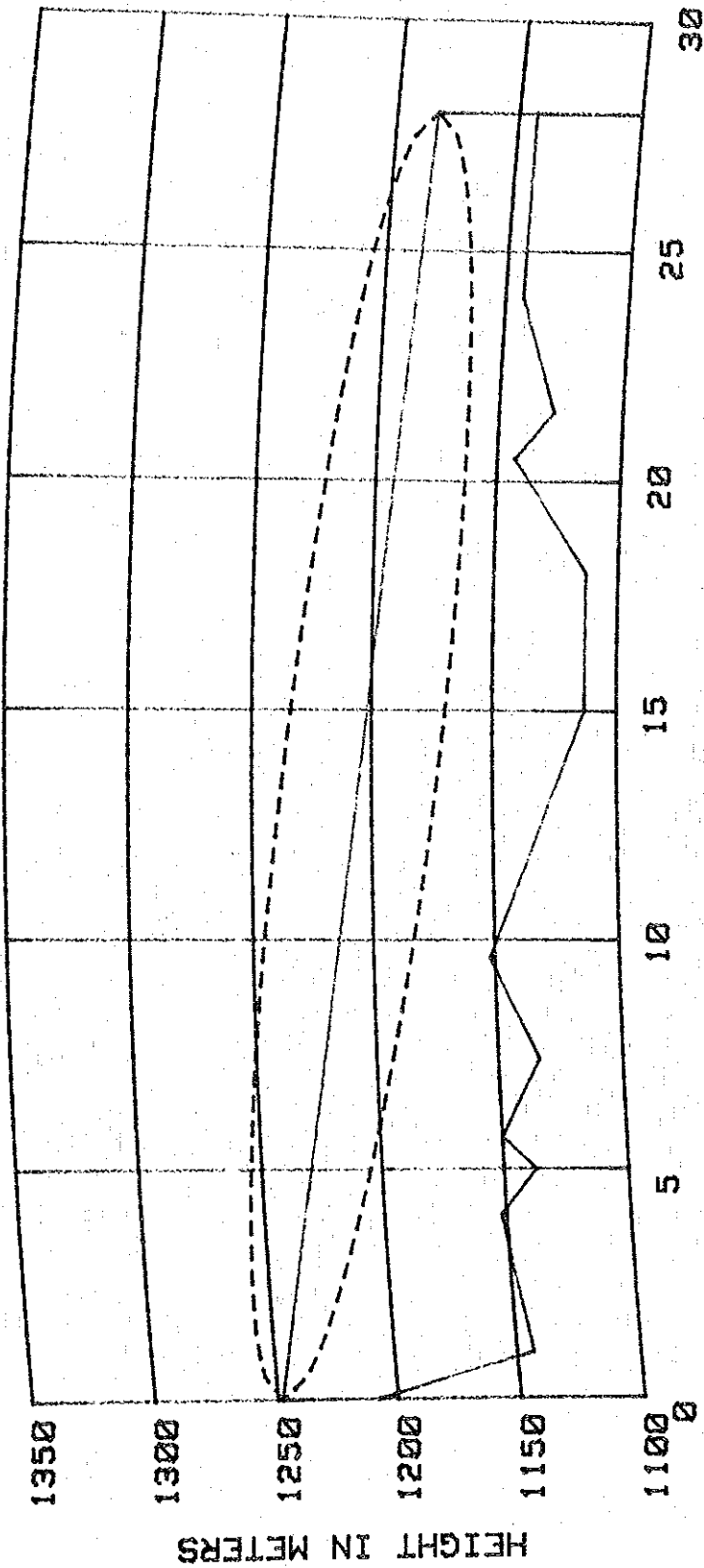
SITE 1 : LUPETA HILL  
GROUND ELEVATION: 1208.0 m  
ANTENNA HEIGHT: 20.0 m

SITE 2 : LUNDRAZI  
GROUND ELEVATION: 1127.0 m  
ANTENNA HEIGHT: 30.0 m

LUCM01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 28 km

SITE 1 : LUPETA HILL

SITE 2 : OLD MAGODI

GROUND ELEVATION: 1208.0 m

GROUND ELEVATION: 1143.0 m

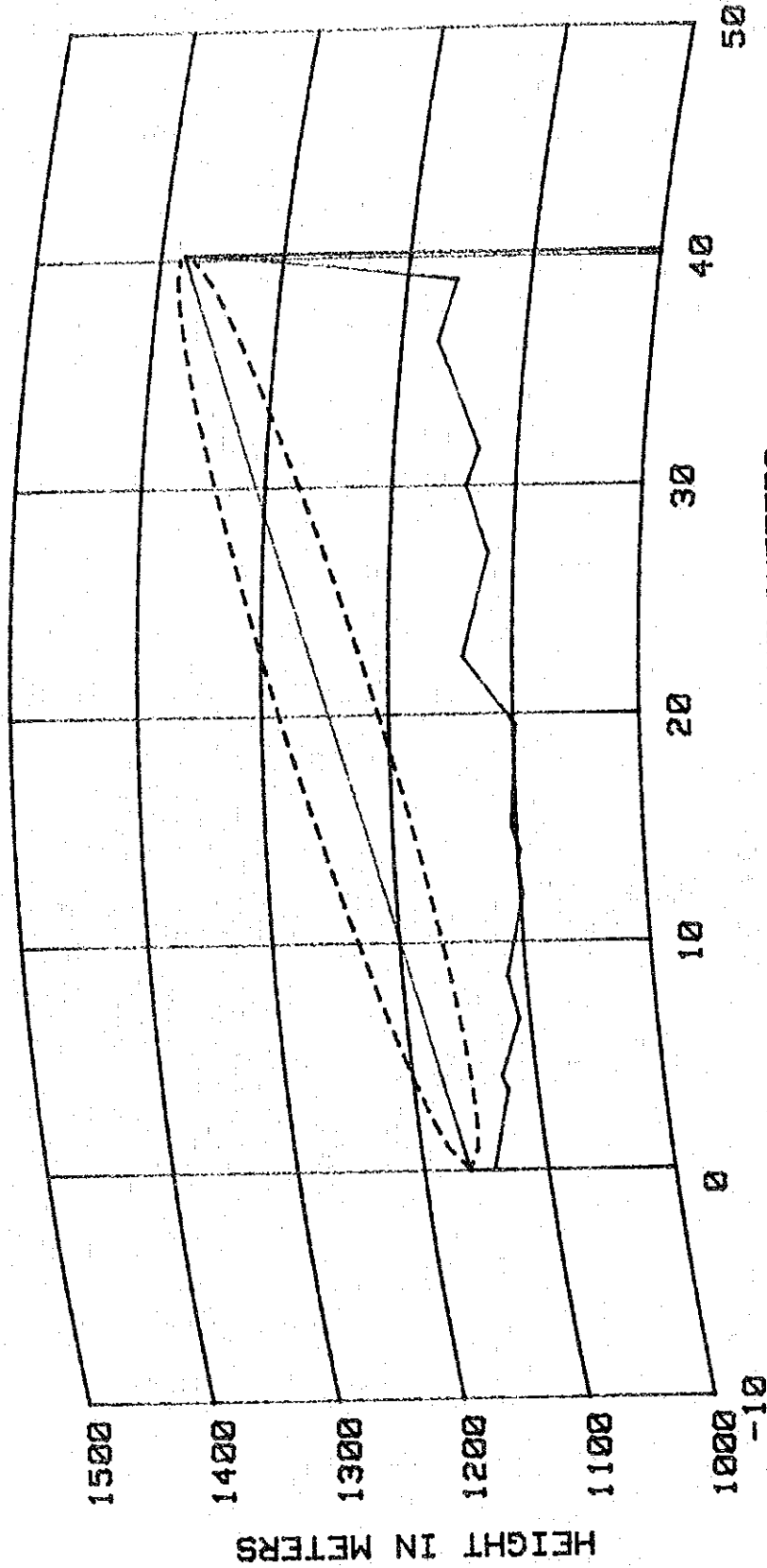
ANTENNA HEIGHT: 40.0 m

ANTENNA HEIGHT: 40.0 m

LUCM02

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 40.2 km

SITE 1 : OLD MAGODI

GROUND ELEVATION: 1143.0 m

ANTENNA HEIGHT: 20.0 m

SITE 2 : MANDRA HILL

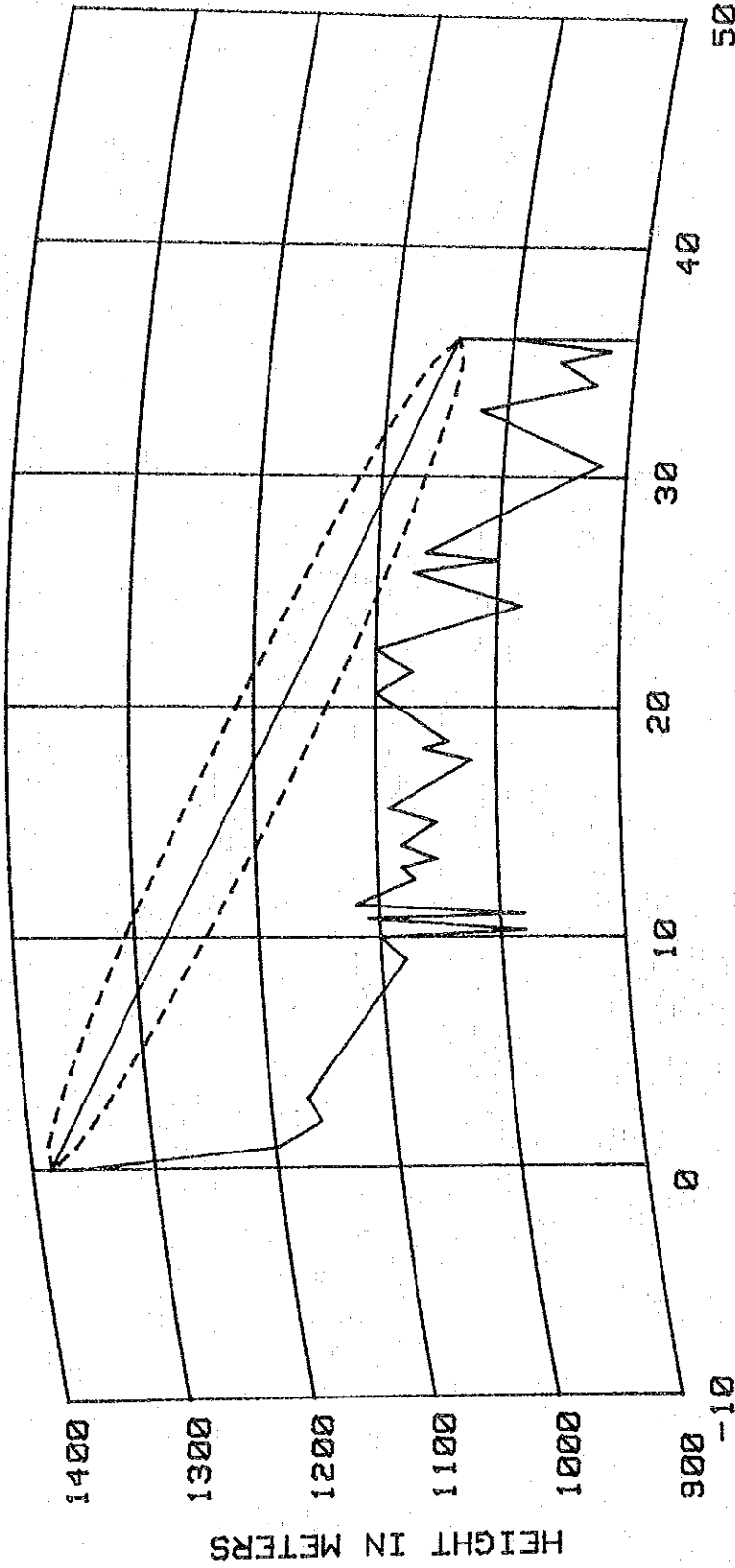
GROUND ELEVATION: 1360.0 m

ANTENNA HEIGHT: 20.0 m

LUCM03

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE D : 36 km

SITE 1 : MANDA HILL

SITE 2 : CHAMA SOUTH

GROUND ELEVATION: 1360.0 m

GROUND ELEVATION: 1000.0 m

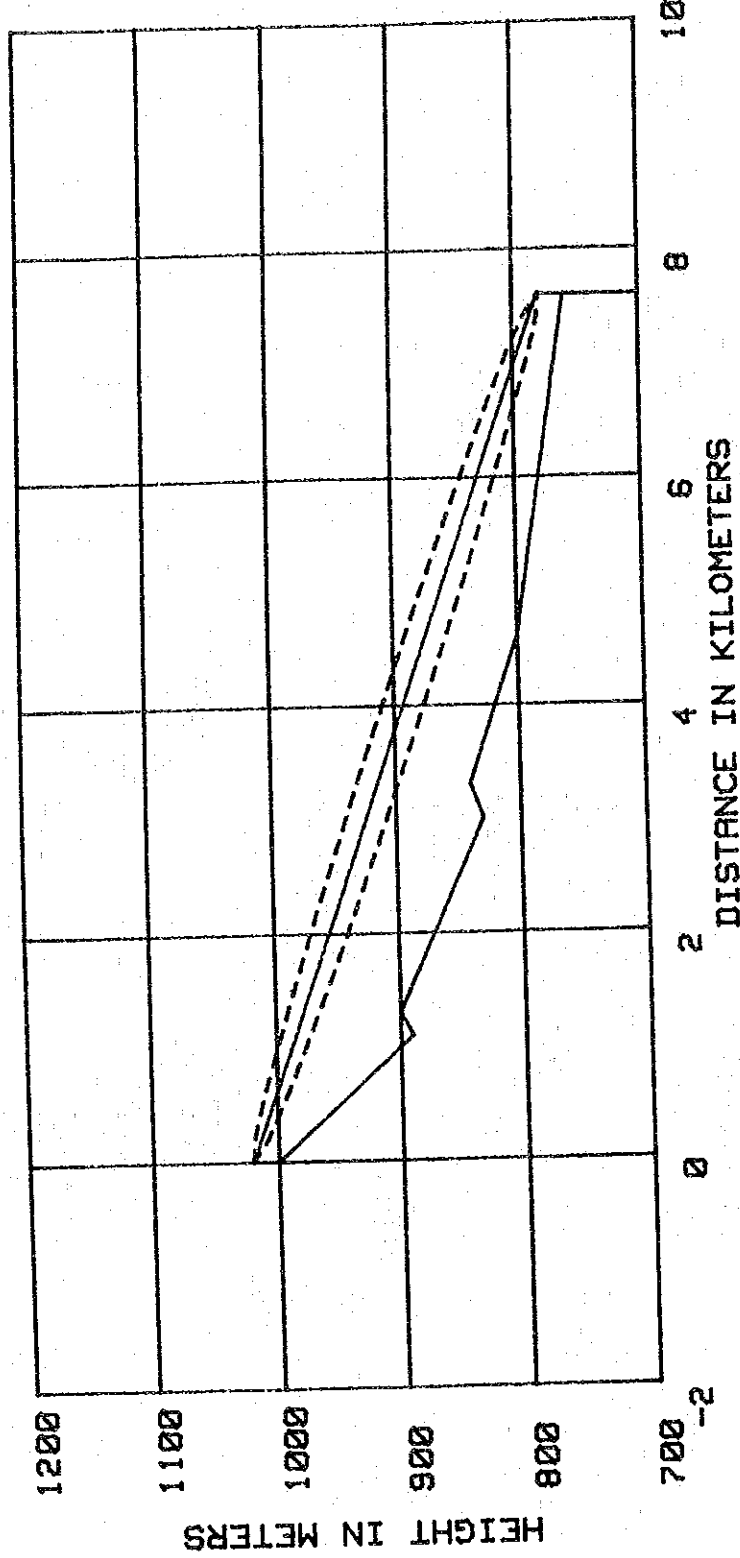
ANTENNA HEIGHT: 25.0 m

ANTENNA HEIGHT: 45.0 m

LUCM04

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



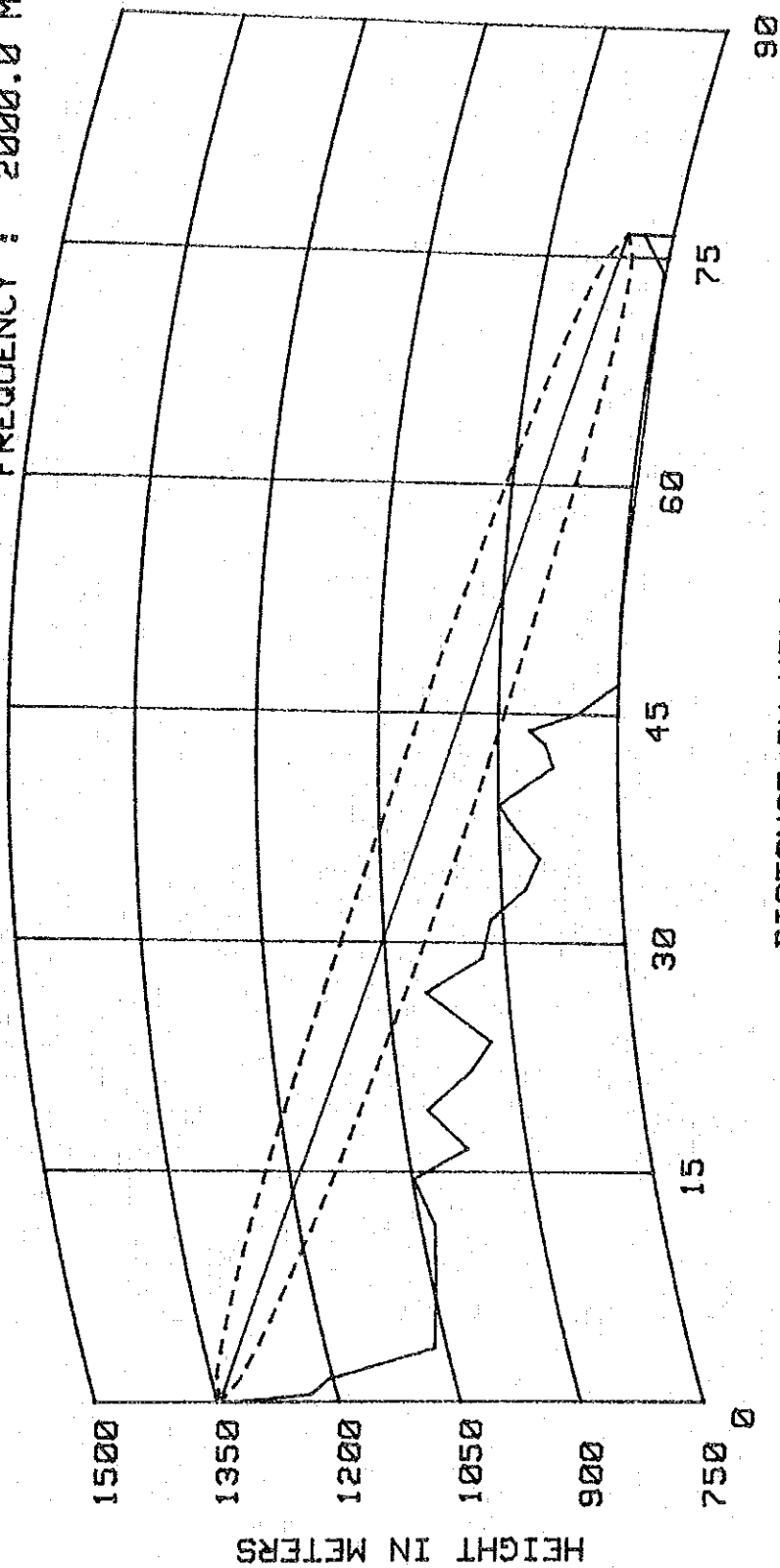
SITE 1 : CHAMA SOUTH      SITE 2 : CHAMA  
GROUND ELEVATION: 1000.0 m      GROUND ELEVATION: 760.0 m  
ANTENNA HEIGHT: 20.0 m      ANTENNA HEIGHT: 20.0 m



CPNC01

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 76.5 km

SITE 1 : KANJARA HILL

GROUND ELEVATION: 1326.0 m

ANTENNA HEIGHT: 20.0 m

SITE 2 : MPATA HILL

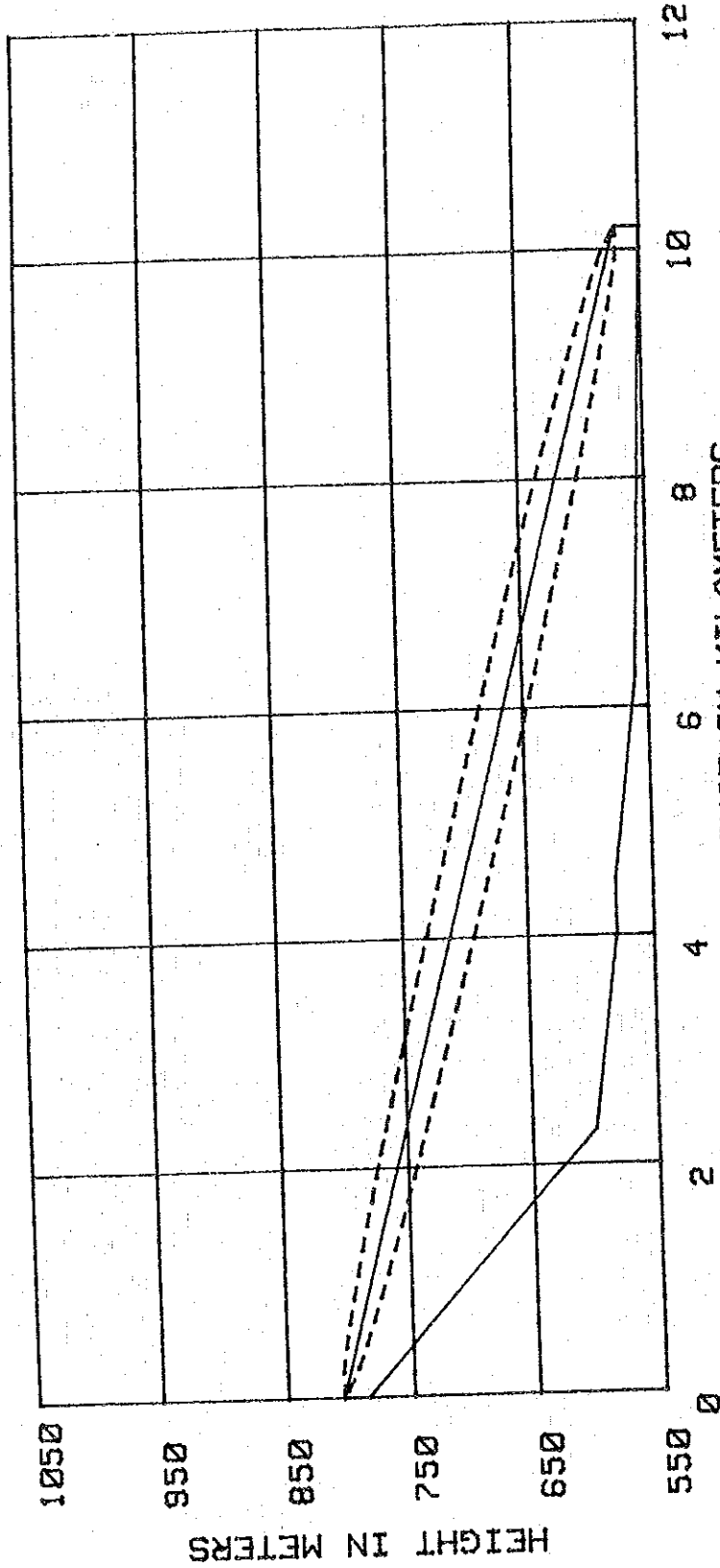
GROUND ELEVATION: 786.0 m

ANTENNA HEIGHT: 20.0 m

CPNC02

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE D : 10.2 km

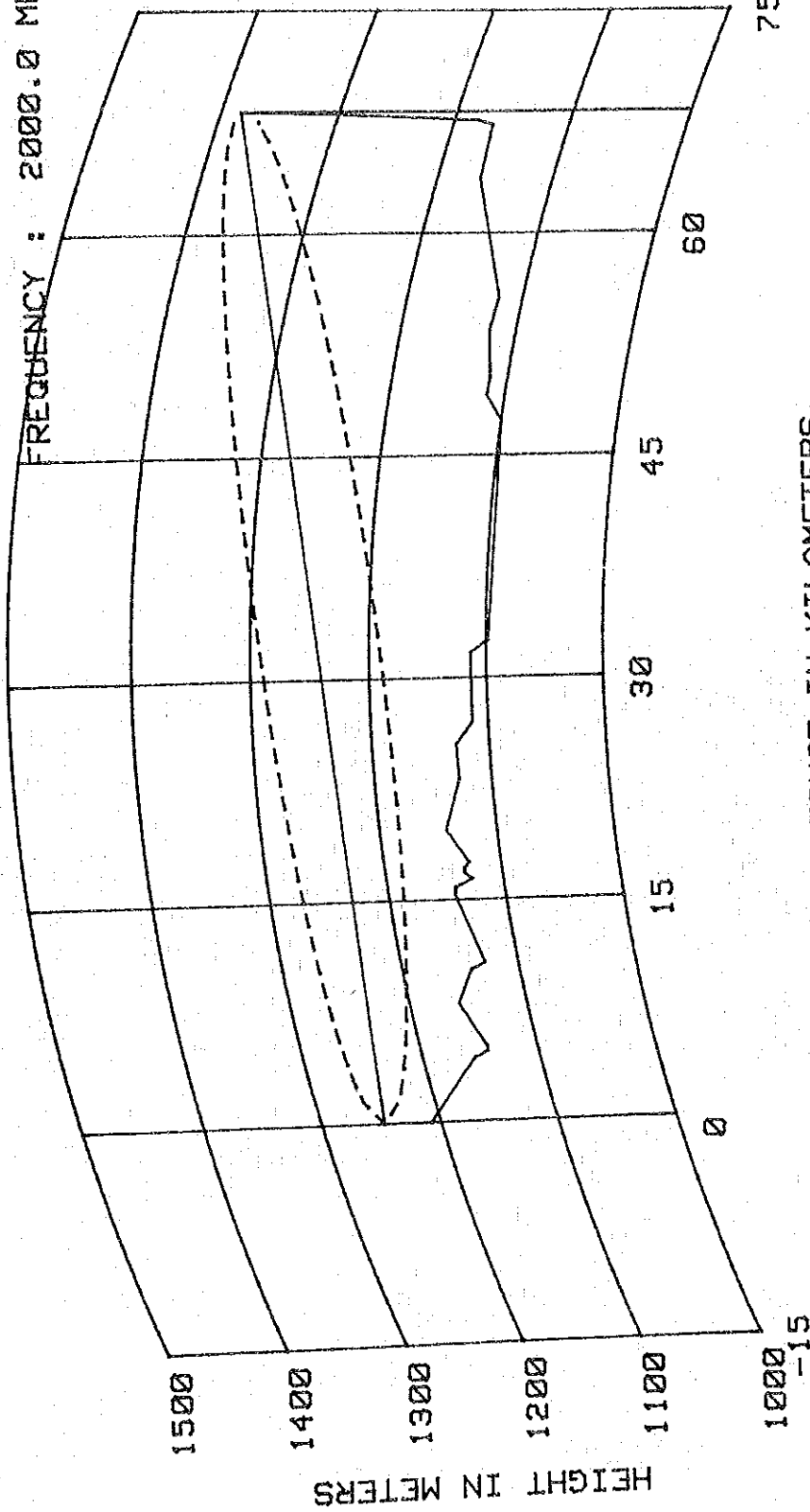
SITE 1 : MPATA HILL  
GROUND ELEVATION: 786.0 m  
ANTENNA HEIGHT: 20.0 m

SITE 2 : MFUWE AIRPORT  
GROUND ELEVATION: 550.0 m  
ANTENNA HEIGHT: 20.0 m

CPNC03

# PATH PROFILE ( 4/3 RADIUS )

FREQUENCY : 2000.0 MHz



DISTANCE IN KILOMETERS

DISTANCE D : 68.2 km

SITE 1 : LUPETA HILL

SITE 2 : MANDA HILL

GROUND ELEVATION: 1208.0 m

GROUND ELEVATION: 1360.0 m

ANTENNA HEIGHT: 40.0 m

ANTENNA HEIGHT: 20.0 m

MINUTES OF THE MEETING ON THE FINAL DRAFT REPORT  
OF FEASIBILITY STUDY FOR THE MICROWAVE RADIO RELAY  
PROJECT IN THE REPUBLIC OF ZAMBIA

The meeting was held on 12th March, 1981, in the Conference Room of the Posts and Telecommunications Corporation, Ndola, Zambia to discuss the final draft feasibility report on the proposed Microwave Radio Relay Project in the Republic of Zambia.

Attending the meeting were:-

P.T.C.

Mr. E. de S. Wickramaratne	-	Financial Controller
Mr. G.L. Mutti	-	Deputy Director of Telecommunications.
Mr. E. Mweshi	-	Principal Engineer
Mr. J. Zulu	-	Senior Engineer

JAPANESE STUDY TEAM

Mr. Tohru Hasegawa	-	Leader
Mr. Akio Itoh	-	Project Co-ordinator
Mr. Tsunenatsu Yano		
Mr. Takashi Suzuki		
Mr. Muneo Kurono		
Mr. Miki Soma		

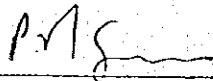
At a later meeting in the Director General's office, Mr. Philemon Ng'oma, Director General, expressed his gratitude to the members of the Japanese study team who were sent to Zambia in response to a request of the Government of the Republic of Zambia.

Mr. Tohru Hasegawa, leader of the Japanese study team appreciated the cooperation extended by the Posts and Telecommunications Corporation to the Japanese study team during their work in Zambia.

The Japanese study team submitted the final draft report on the feasibility study for the proposed Microwave Radio Relay Project to Mr. Philemon Ng'oma for consideration.

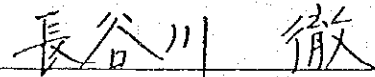
The Director General expressed the view that the Posts and Telecommunications Corporation would certainly like to have the Japanese Yen loan for the proposed project. The request for a Japanese loan was made to the Government of Japan at the time of the State visit of His Excellency President Dr. K.D. Kaunda to Japan in September, 1980.

He stressed that if the loan were approved there would be three agreements signed, namely, between the Government of Japan and the Government of the Republic of Zambia, between the Ministry of Finance and the Posts and Telecommunications Corporation and between O.E.C.F. and the Posts and Telecommunications Corporation (this would be a project agreement to deal with reimbursement).



Philemon Ng'oma  
Director General

Posts and Telecommunications  
Corporation



Tohru Hasegawa  
Leader

The Japanese Feasibility  
Study Team for Microwave  
Radio Relay Project in  
the Republic of Zambia

13th March, 1981

Itinerary of Field Survey and Preparation of Final Draft Report

- Feb. 19      Arrival at Lusaka. Visit to the Japanese Embassy for explanation of the purpose and outline of field survey
- 20      Leaving Lusaka for Ndola. Meeting with PTC and submission of draft F/S report
- 21      Preparation of field survey
- 22      same as above
- 23      Discussion with PTC on the draft F/S report submitted by the Japanese team
- 24      Leaving Ndola for Mansa
- 25      Field survey in Mansa - Samfya section
- 26      Field survey in Mansa - Kawambwa - Nchelenge section
- 27      Field survey in Mansa - Mwense section
- 28      Leaving Mansa for Ndola
- Mar. 1      Study of obtained survey data
- 2      Preliminary study of survey results with PTC
- 3      Make up of the final draft report
- 4      same as above
- 5      same as above
- 6      same as above
- 7      same as above
- 8      same as above
- 9      same as above
- 10      Preparation of summary of F/S report
- 11      Discussion of the final draft report
- 12      Completion of the final draft report
- 13      Signing of meeting minutes on the final draft report
- 14      Leaving Ndola for Lusaka.  
Visit to the Japanese Embassy for briefing the survey result
- 15      Leaving Lusaka for Japan









JICA