PATH PROFILE

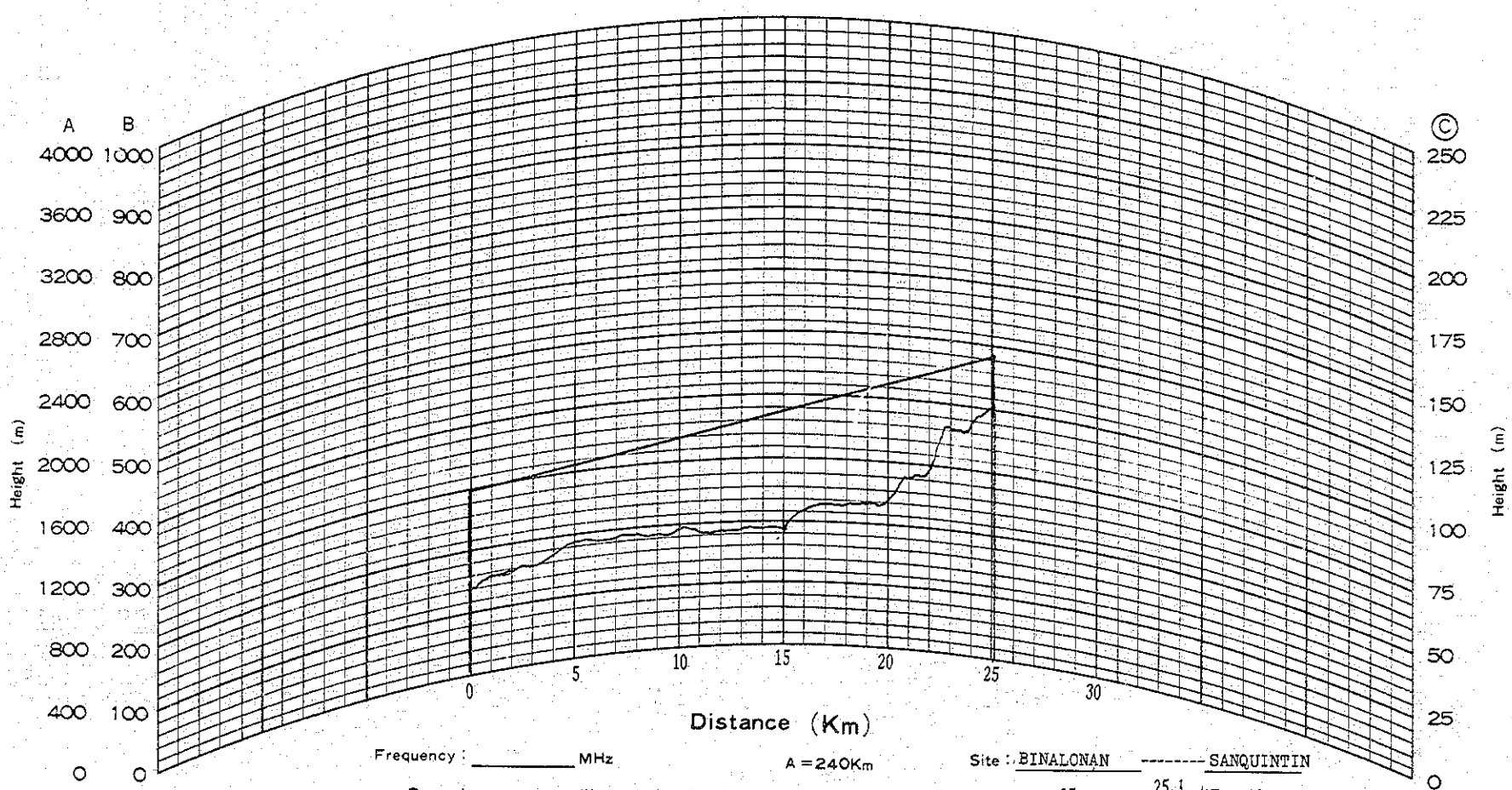
Name of Route : _____

No. : Fig Ⅷ－2－2－58

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : BINALONAN -------- SANQUINTIN

Height : 35 m 25.1 km 102 m

Antenna height : 40 m 20 m

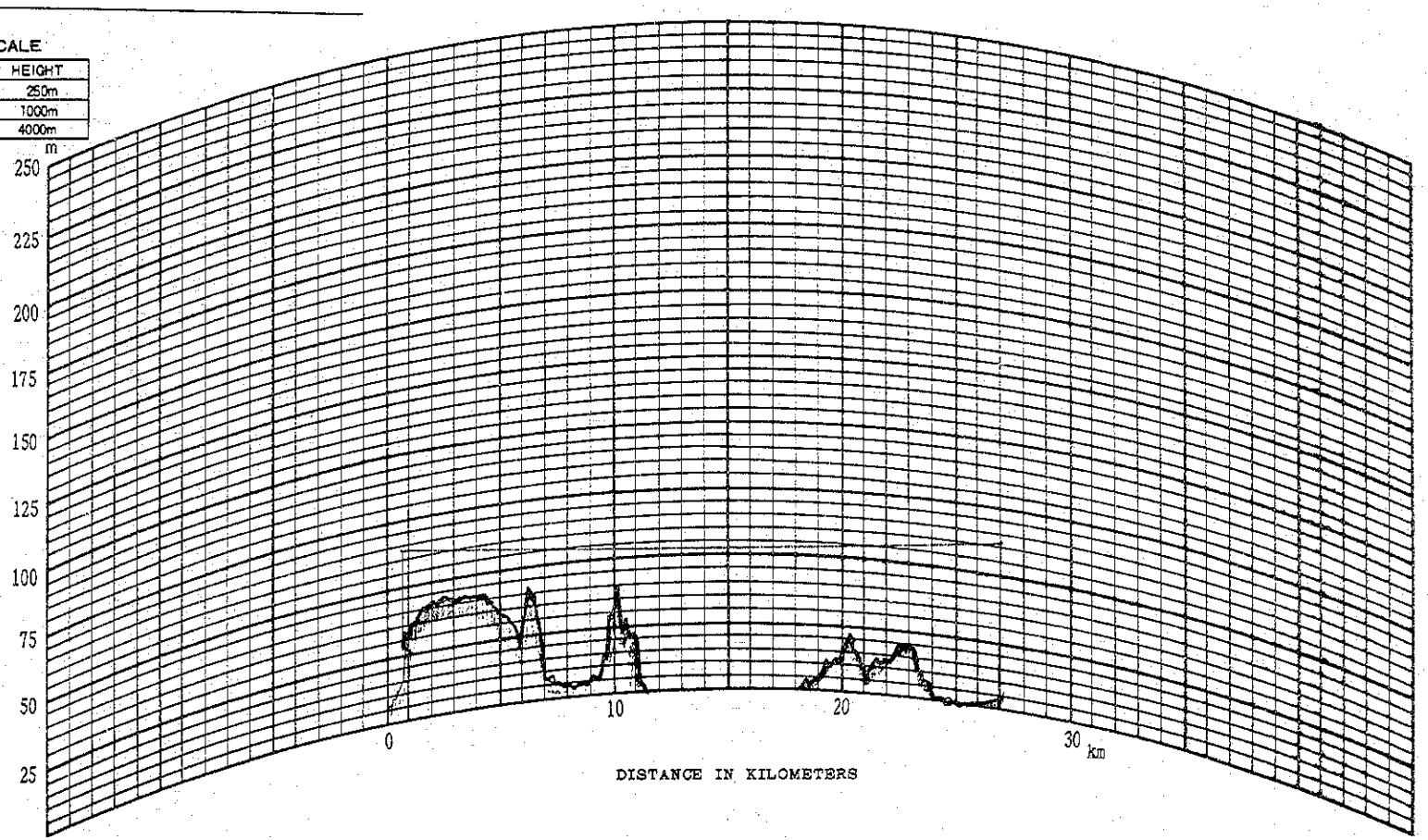
PROFILE MAP
(4 / 3 RADIUS)

ROUTE: _____

DRAWING NO.: Fig Ⅷ－2－2－59

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: BOLINAO
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 30 m
ANTENNA HEIGHT: 35 m

DISTANCE: 26.2 km

HOP NO. : _____

SITE: ALAMINOS
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 10 m
ANTENNA HEIGHT: 60 m

PATH PROFILE

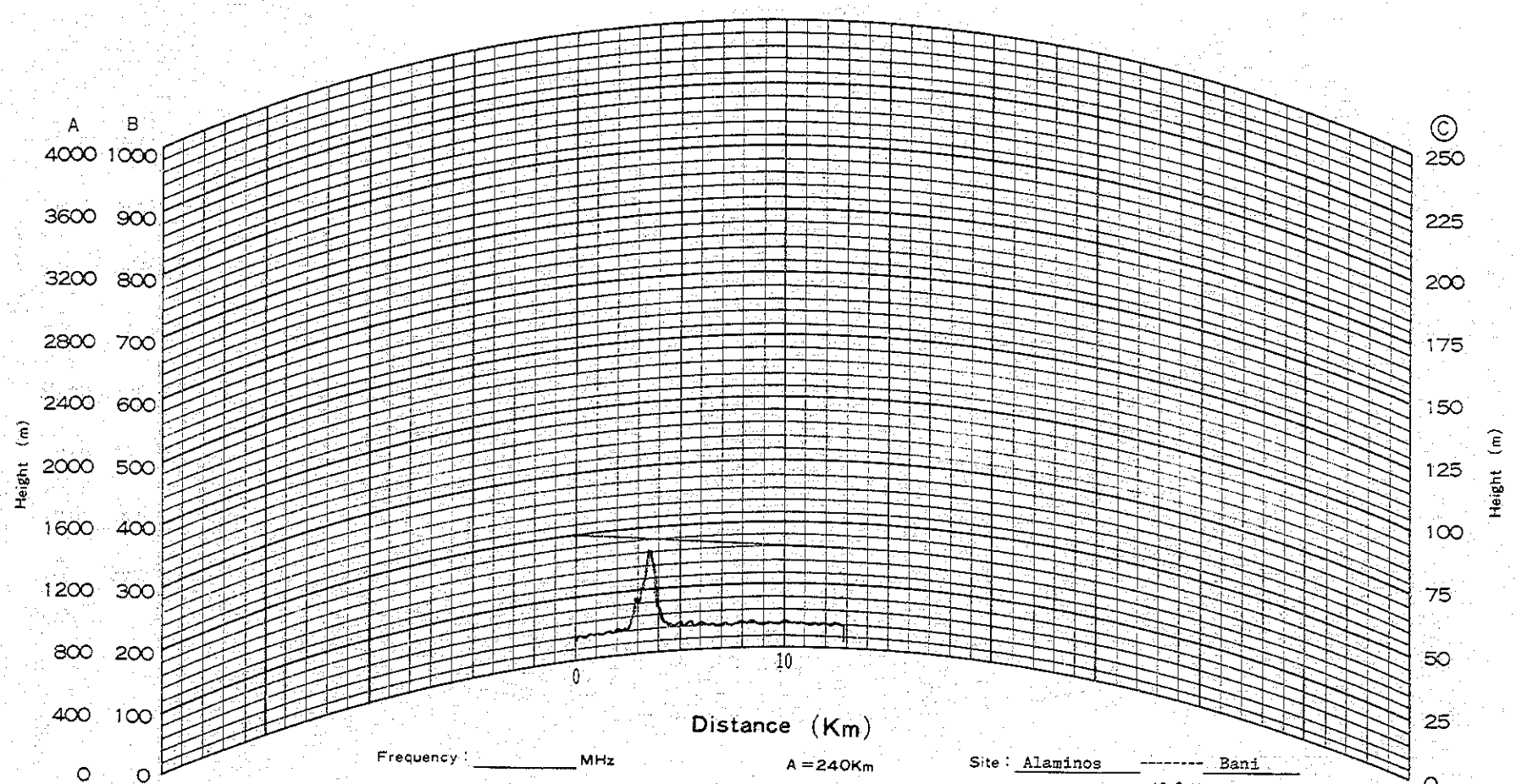
Name of Route : _____

No. : Fig Ⅷ－2－2－60

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : Alaminos ------- Bani

Height : 10 m 12.8 km 10 m

Antenna height : 40 m 30 m

FORM-1

PATH PROFILE

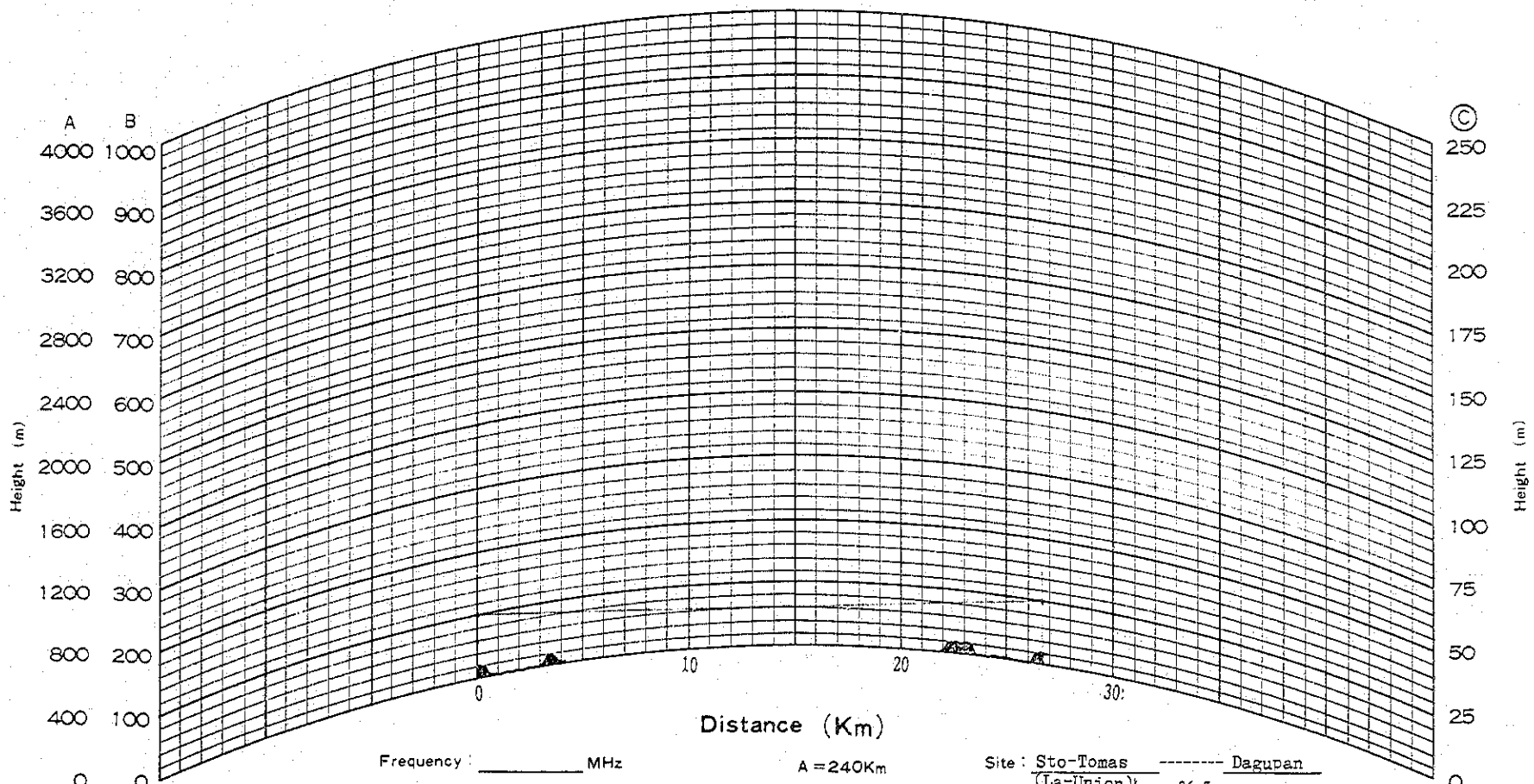
Name of Route : _____

No. : Fig Ⅷ－2－2－61

Drawer : _____

Date : July 27.78

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : Sto-Tomas (La-Union) -------- Dagupan

Height : 5 m, 26.5 km, 5 m

Antenna height : 20 m, 20 m

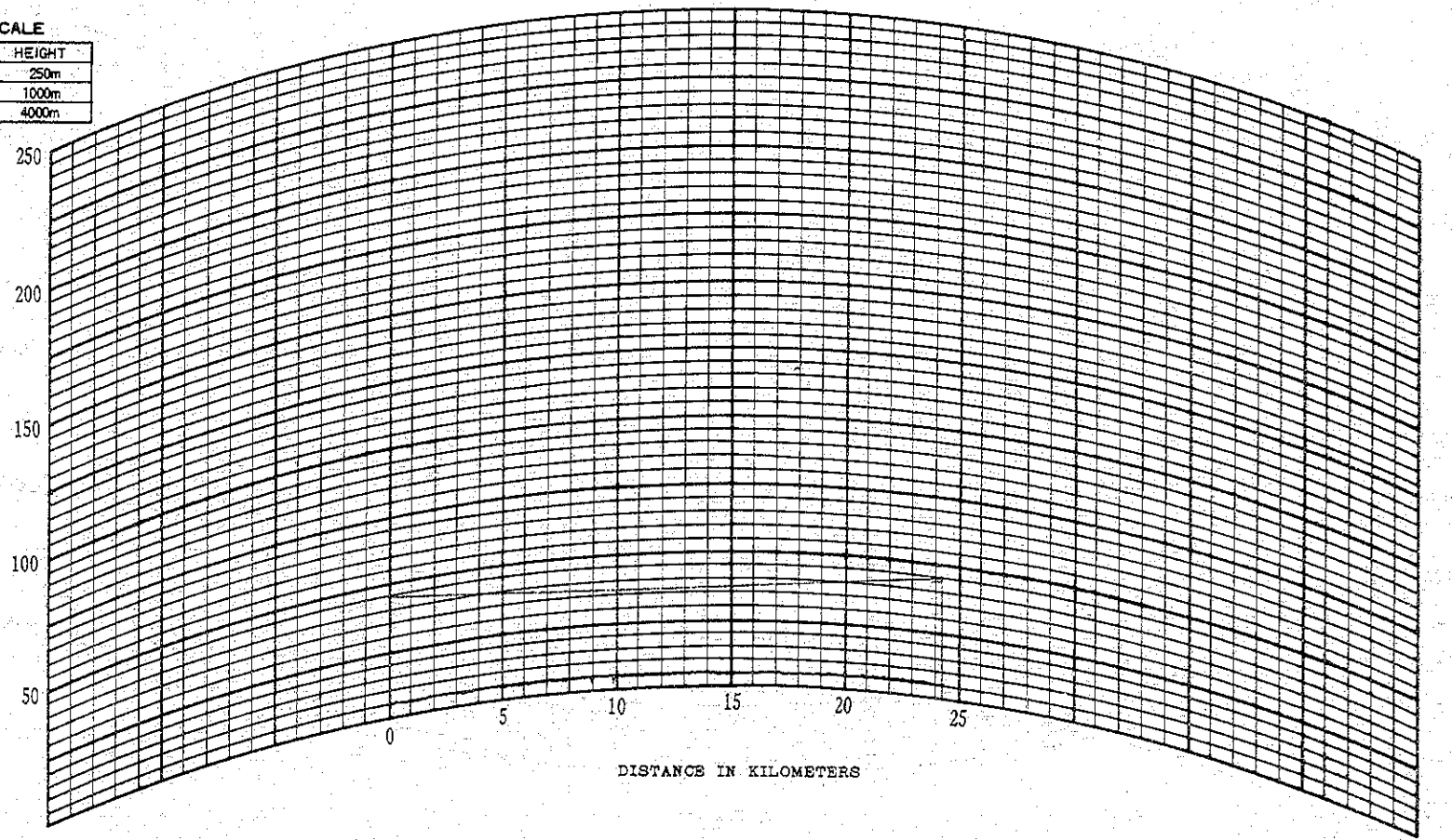
PROFILE MAP
(4 / 3 RADIUS)

ROUTE: _____

DRAWING NO.: Fig Ⅷ－2－2－62

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: URBIZTONDO
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 5 m
ANTENNA HEIGHT: 40 m

DISTANCE: 24.3 km

HOP NO. : _____

SITE: DAGUPAN
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 5 m
ANTENNA HEIGHT: 40 m

PATH PROFILE

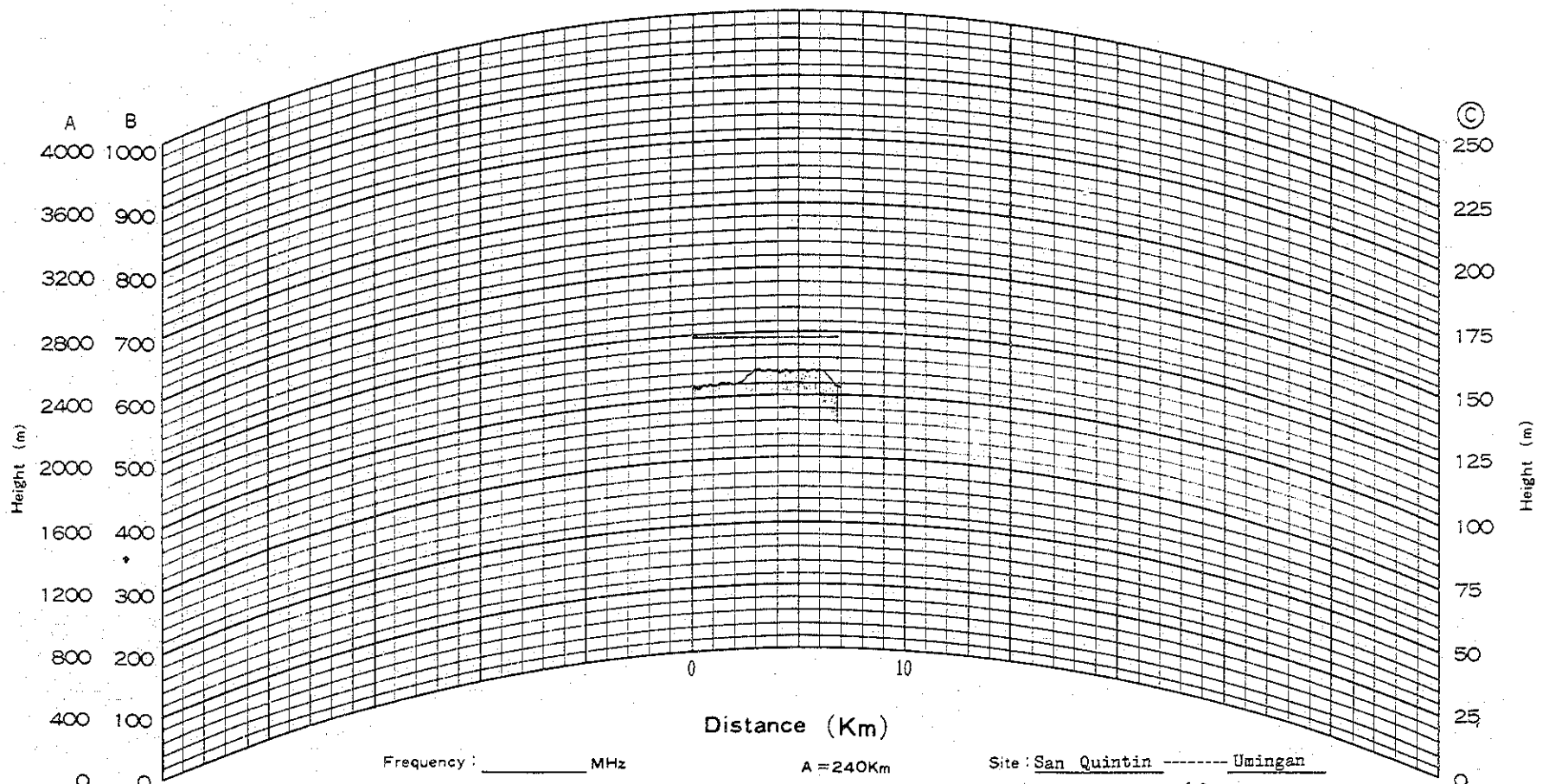
Name of Route : _____

No. : Fig Ⅷ－2－2－63

Drawer : _____

Date : July 27.78

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

© = 60Km

Site : San Quintin -------- Umingan

Height : 102 m 6.8 km 103 m

Antenna height : 20 m 20 m

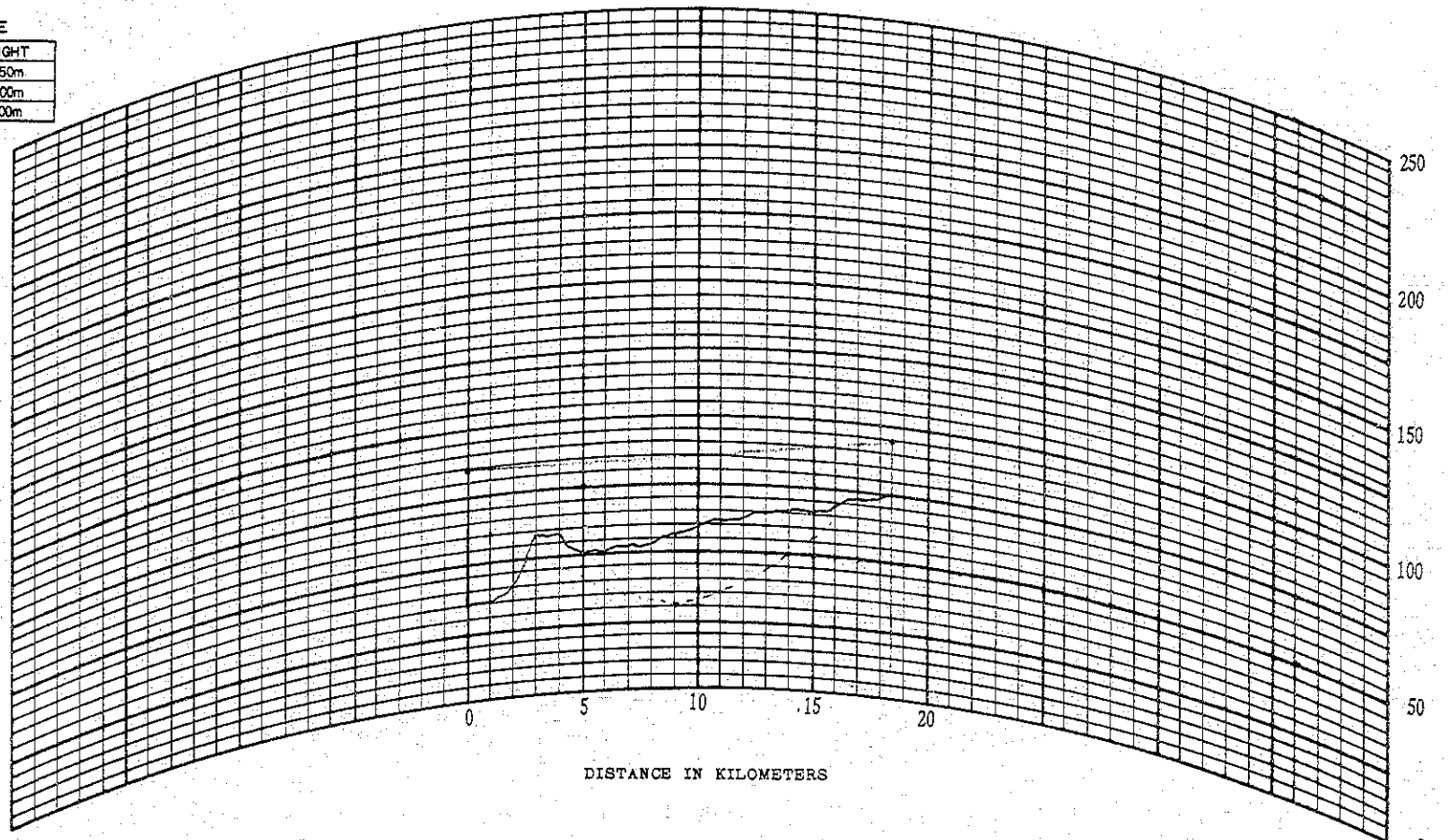
PROFILE MAP
(4 / 3 RADIUS)

ROUTE: _____

DRAWING NO.: Fig Ⅷ－2－2－64

FULL SCALE

DISTANCE	HEIGHT
○ 60km	⌀ 250m
120km	1000m
240km	4000m



SITE: BINALONAN
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 35 m
ANTENNA HEIGHT: 50 m

DISTANCE: 18.5 km

HOP NO. : _____

SITE: SAN NICOLAS
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 75 m
ANTENNA HEIGHT: 20 m

Name of Route : _____

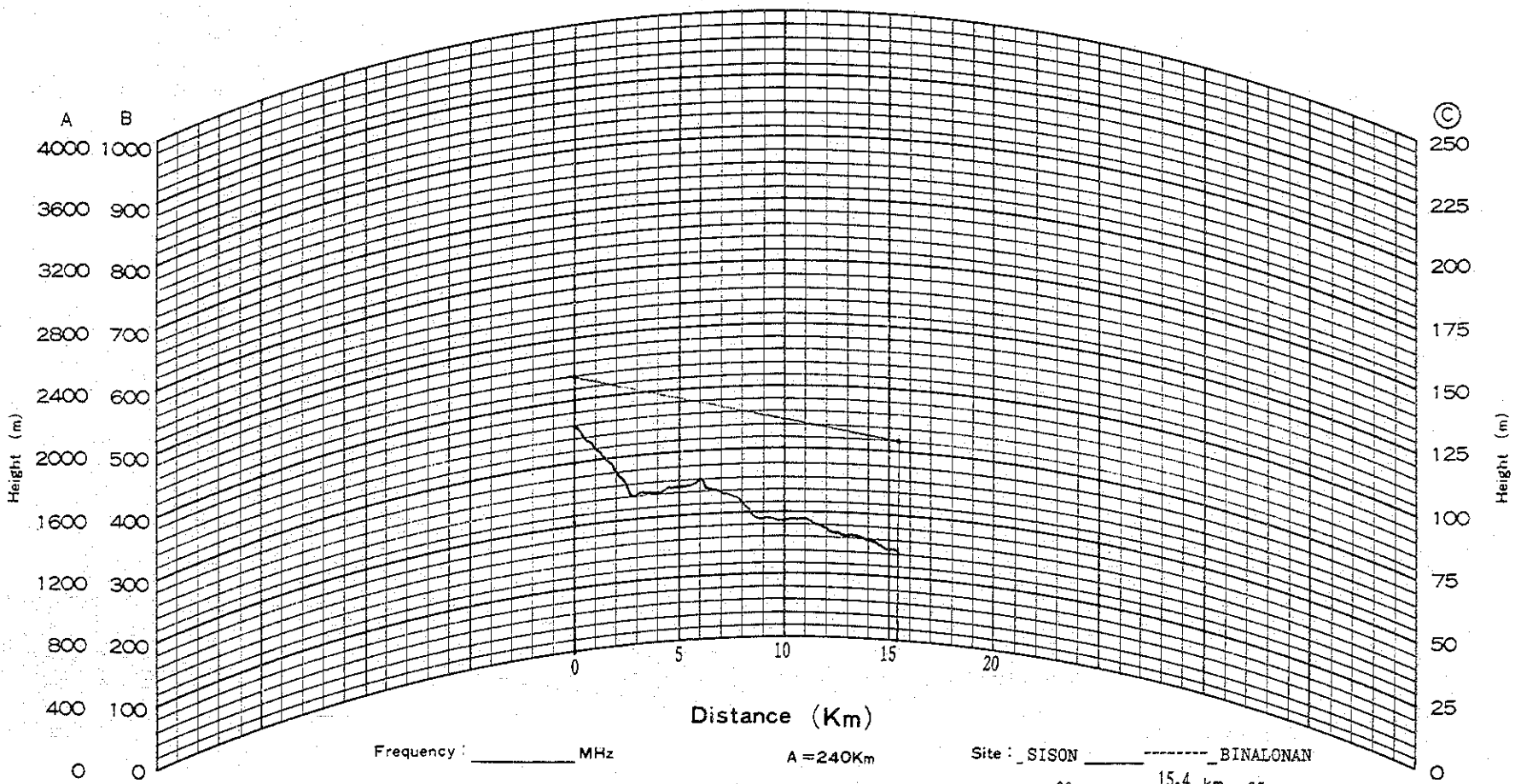
No. : Fig Ⅷ－2－2－65

Drawer : _____

Date : 78. 5. 4

PATH PROFILE

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A =240Km

Full Scale B = 120Km

Ⓒ= 60Km

Site : SISON _____ -------- BINALONAN

Height : 90 m 15.4 km 35 m

Antenna height : 20 m 45 m

PATH PROFILE

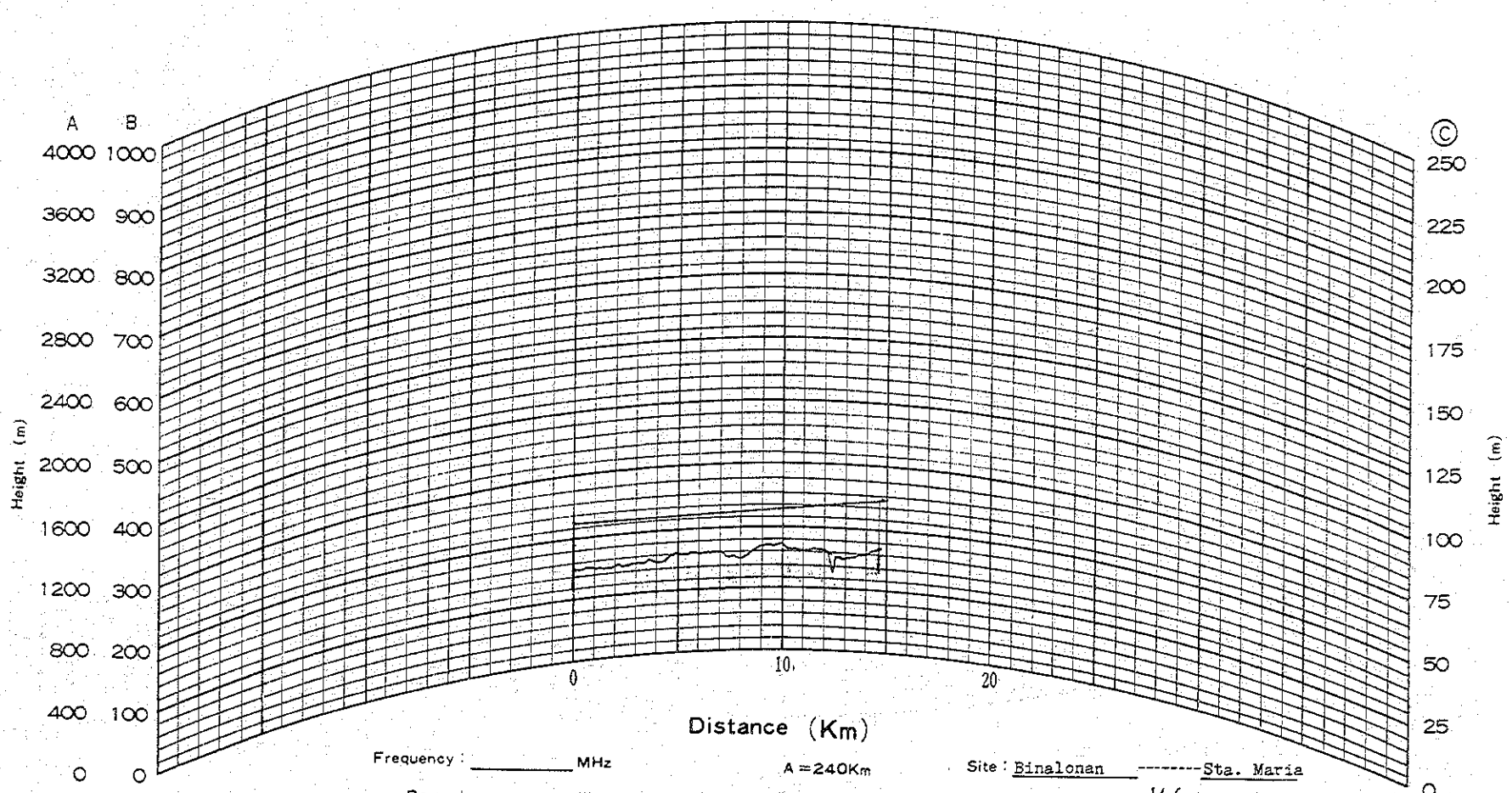
Name of Route : _____

No. : Fig VIII-2-2-66

Drawer : _____

Date : July 27.78

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

© = 60Km

Site : Binalonan --------Sta. Maria

Height : 35 m 14.6 km 43 m

Antenna height : 20 m 20 m

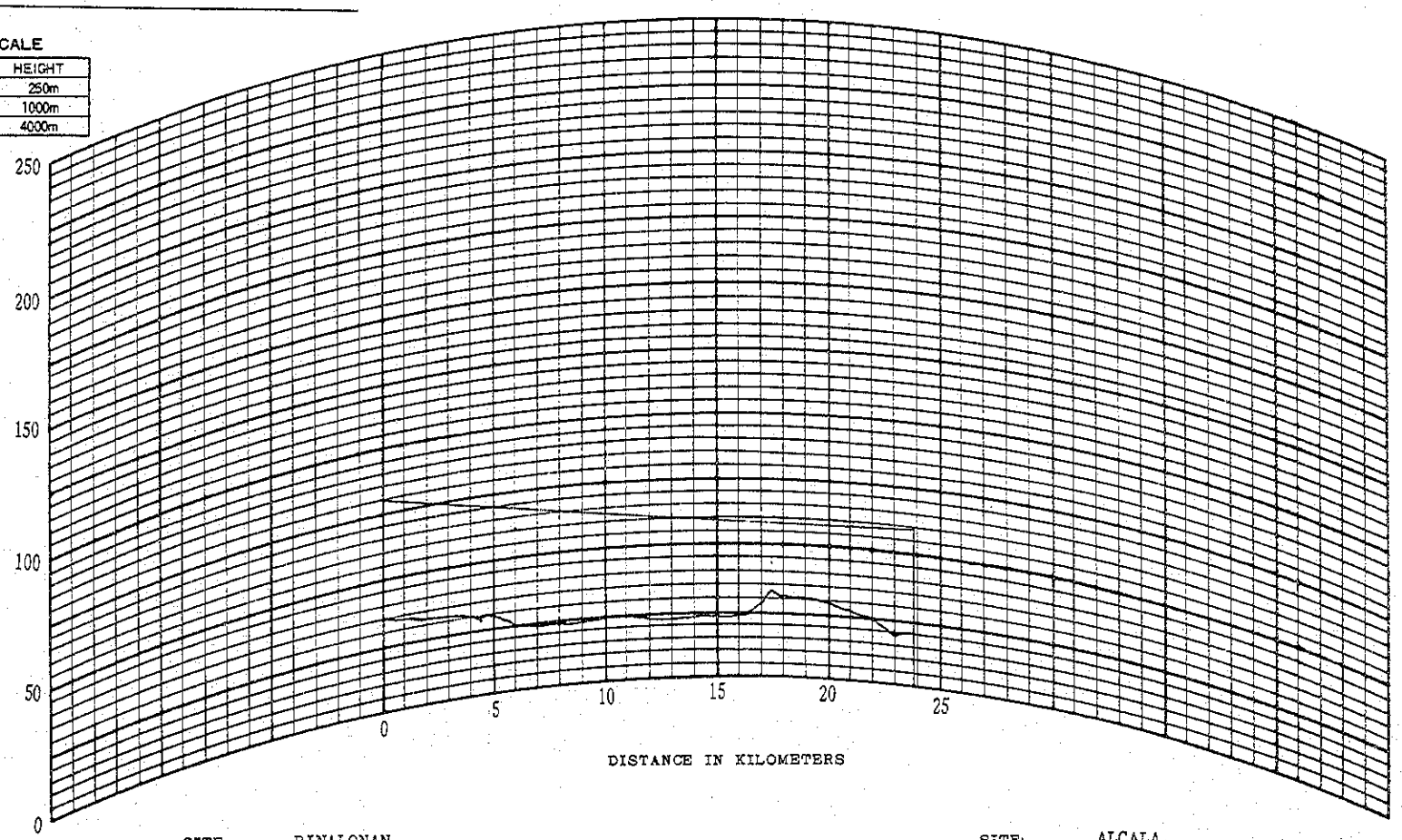
PROFILE MAP
(4 / 3 RADIUS)

ROUTE: _____

DRAWING NO. Fig VII-2-2-67

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: BINALONAN
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 35 m
ANTENNA HEIGHT: 45 m

DISTANCE: 23.9 km

HOP NO. : _____

SITE: ALCALA
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 19 m
ANTENNA HEIGHT: 40 m

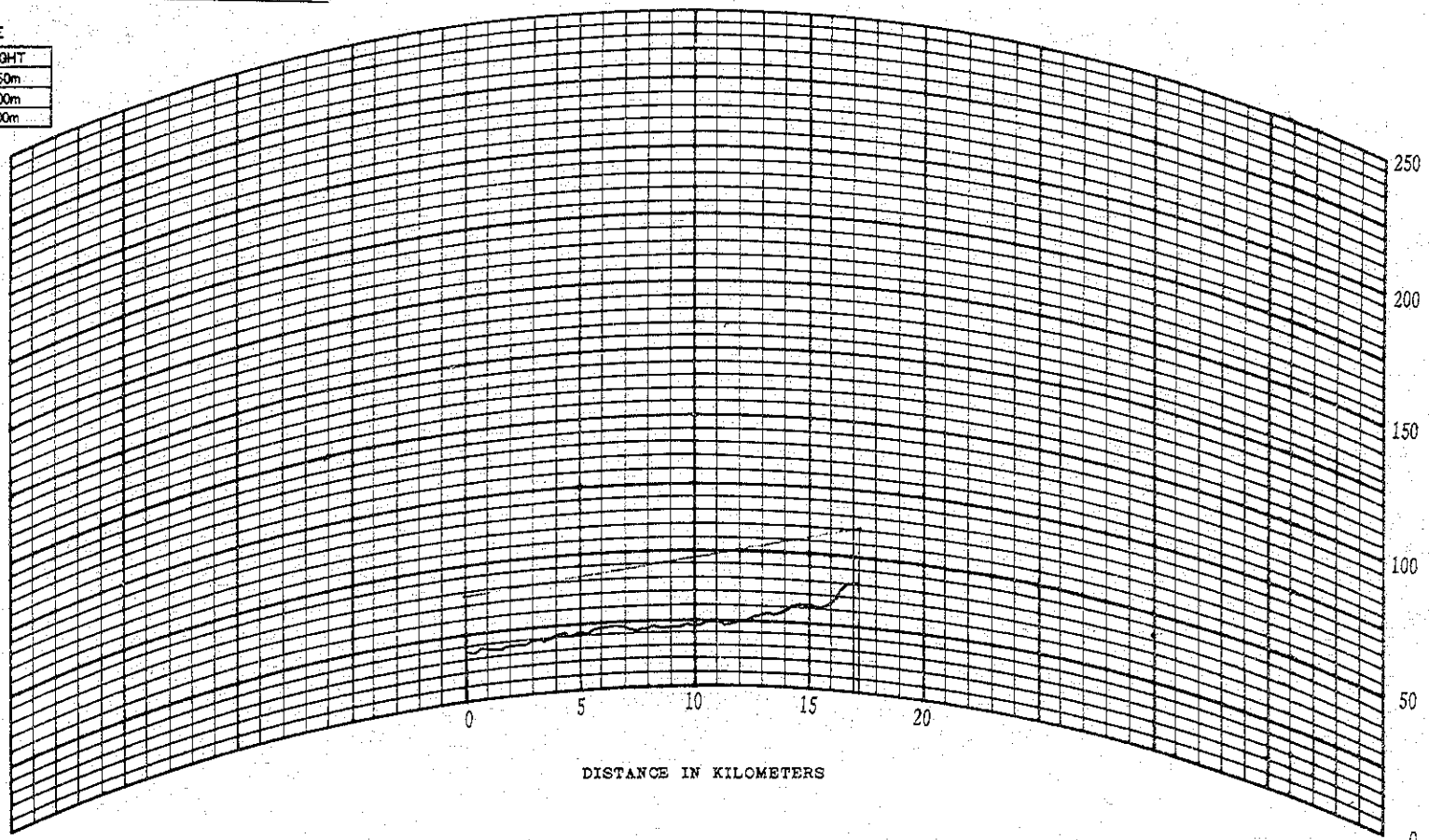
PROFILE MAP
(4 / 3 RADIUS)

ROUTE: _____

DRAWING NO.: Fig Ⅷ－2－2－68

FULL SCALE

DISTANCE	HEIGHT
○ 60km	○ 250m
120km	1000m
240km	4000m



SITE: ALCALA
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 19 m
ANTENNA HEIGHT: 20 m

DISTANCE: 17.2 km

HOP NO. : _____

SITE: BALUNGAO
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 40 m
ANTENNA HEIGHT: 20 m

PATH PROFILE

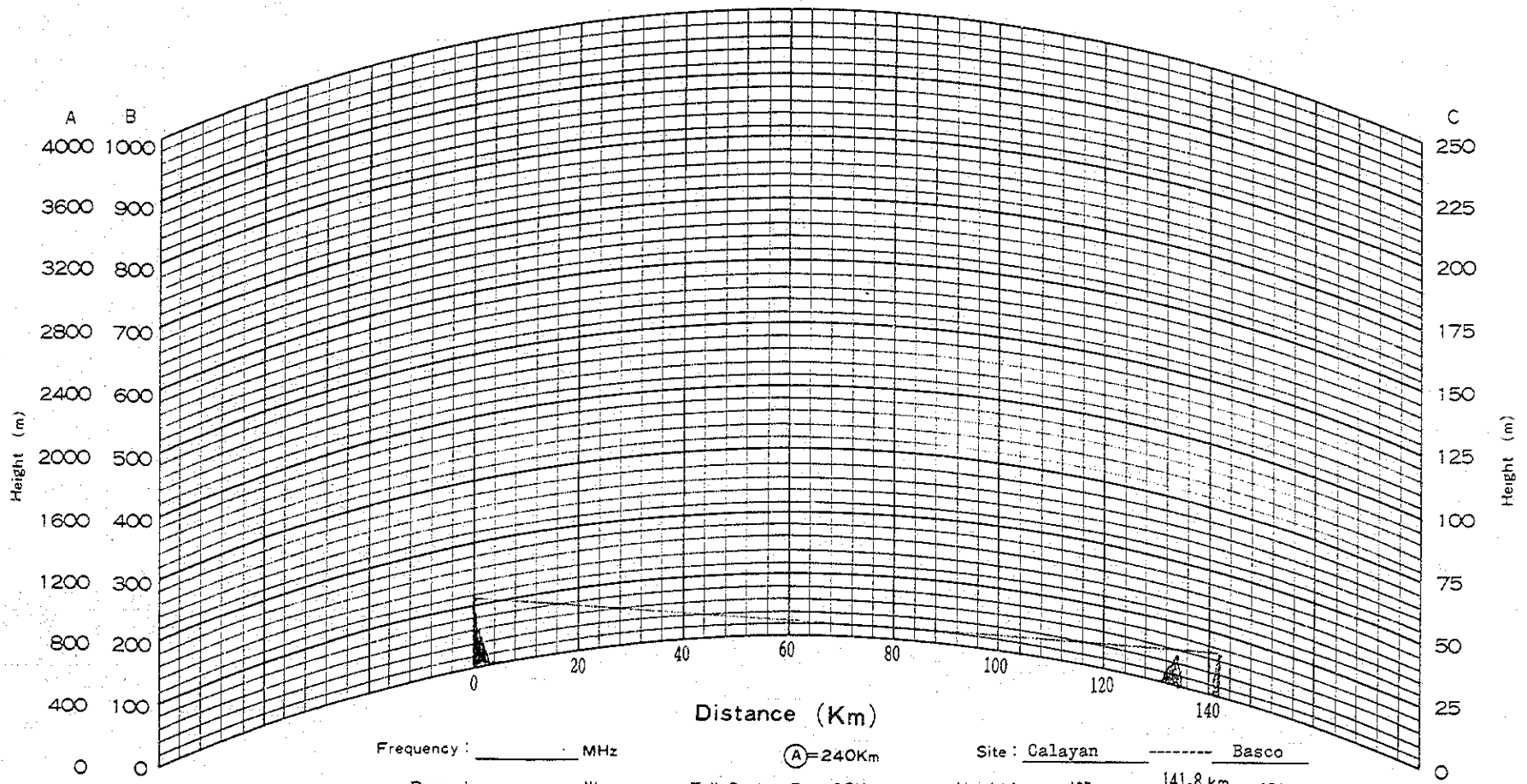
Name of Route : _____

No. : Fig Ⅷ－2－2－69

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

Ⓐ=240Km

Full Scale B=120Km

C= 60Km

Site : Calayan -------- Basco

Height : 427 m 141.8 km 277 m

Antenna height : 450 m 300 m

PATH PROFILE

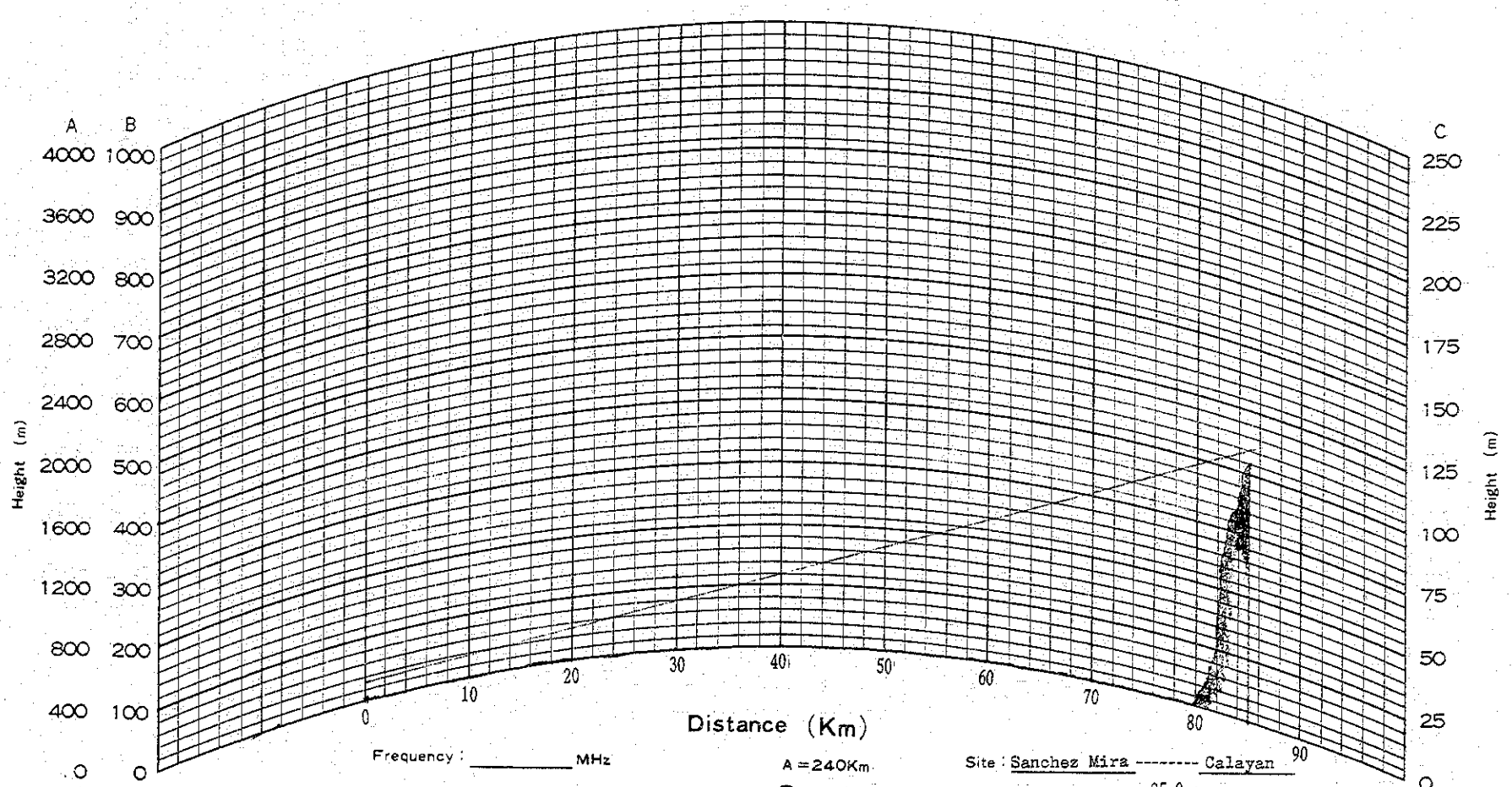
Name of Route : _____

No. : Fig Ⅷ－2－2－70

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale (B) = 120Km

C = 60Km

Site : Sanchez Mira -------- Calayan

Height : 5 m 85.0 km 420 m

Antenna height : 25 m 440 m

FORM-1

PATH PROFILE

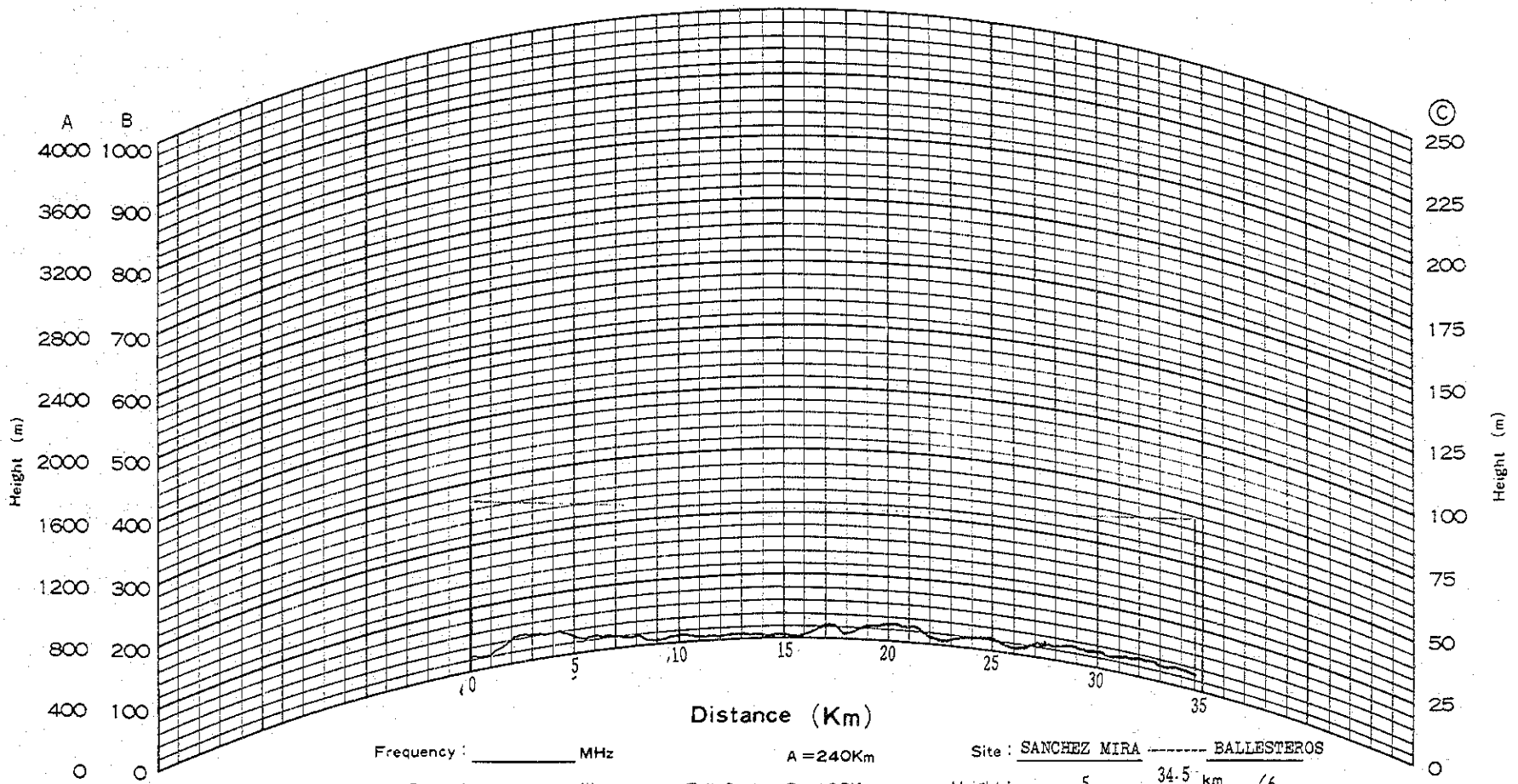
Name of Route : _____

No. : Fig Ⅷ－2－2－71

Drawer : _____

Date : 78. 5. 4 ~ 6

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : SANCHEZ MIRA ------- BALLESTEROS

Height : 5 m 34.5 km 46 m

Antenna height : 63 m 63 m

PATH PROFILE

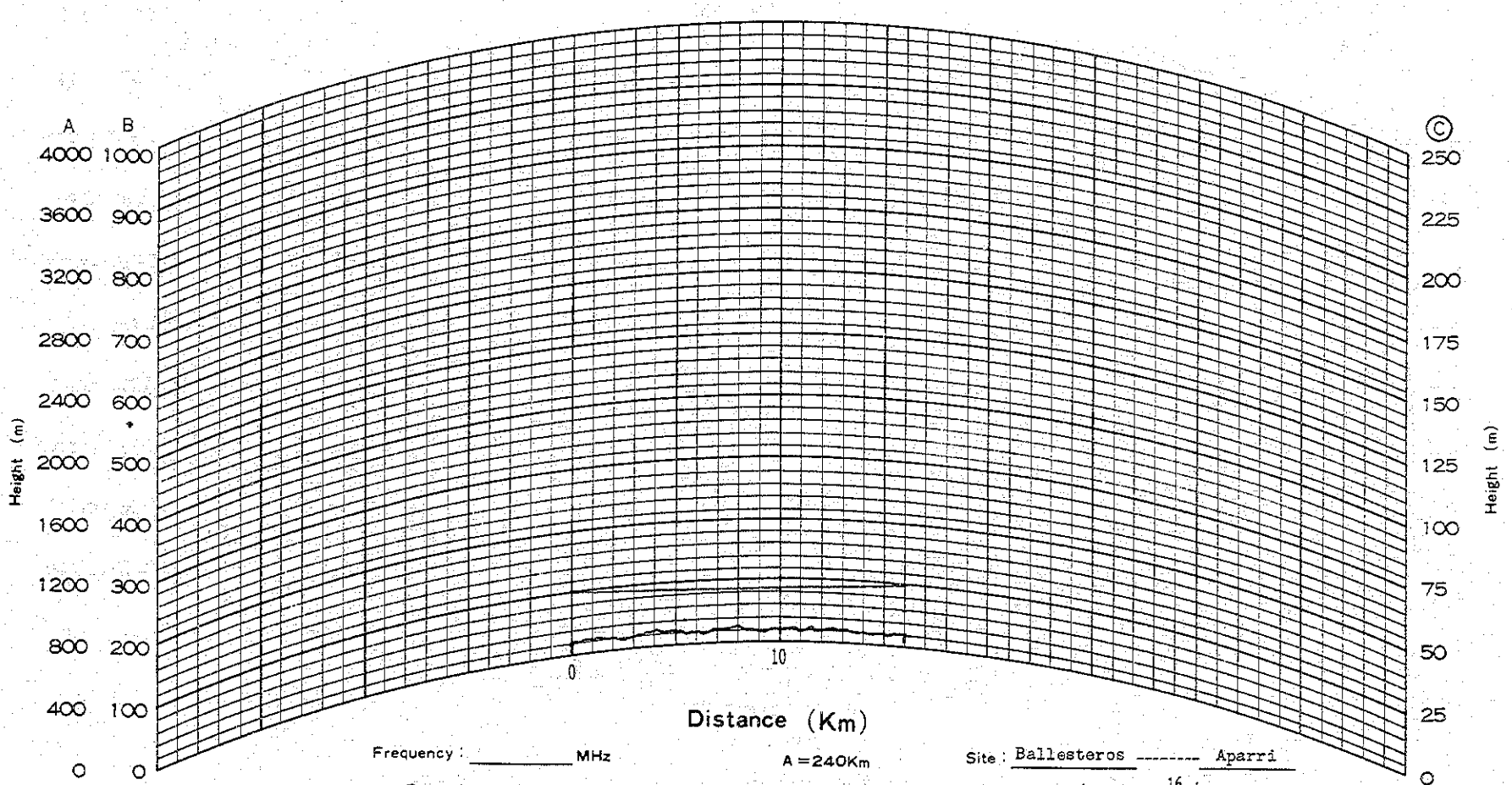
Name of Route : _____

No. : Fig Ⅷ-2-2-72

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

© = 60Km

Site : Ballesteros ------- Aparri

Height : 6 m — 16 km — 4 m

Antenna height : 20 m — 20 m

PATH PROFILE

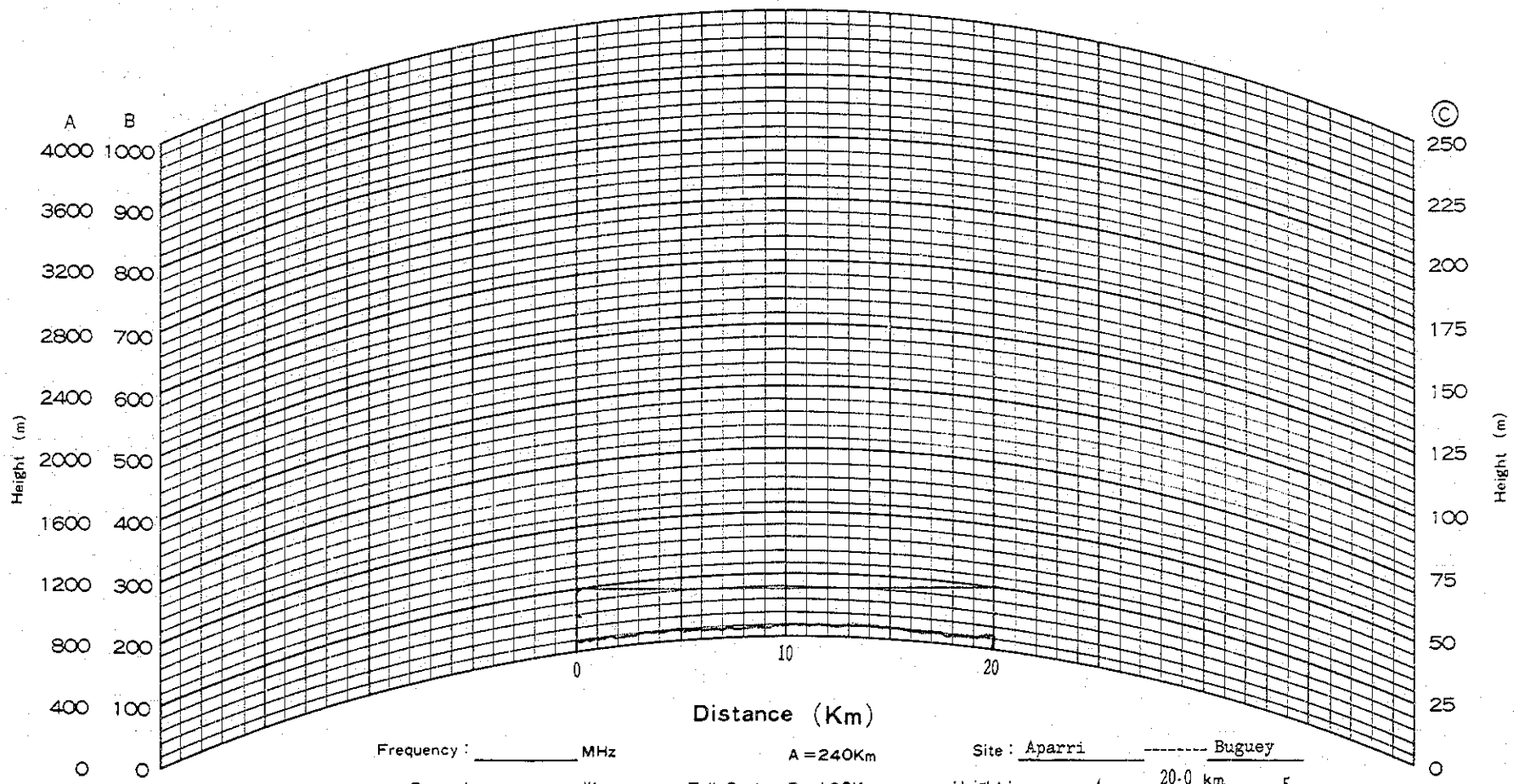
Name of Route : _____

No. : Fig Ⅷ－2－2－73

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

© = 60Km

Site : Aparri -------- Buguey

Height : 4 m 20-0 km 5 m

Antenna height : 20 m 20 m

FORM-1

PATH PROFILE

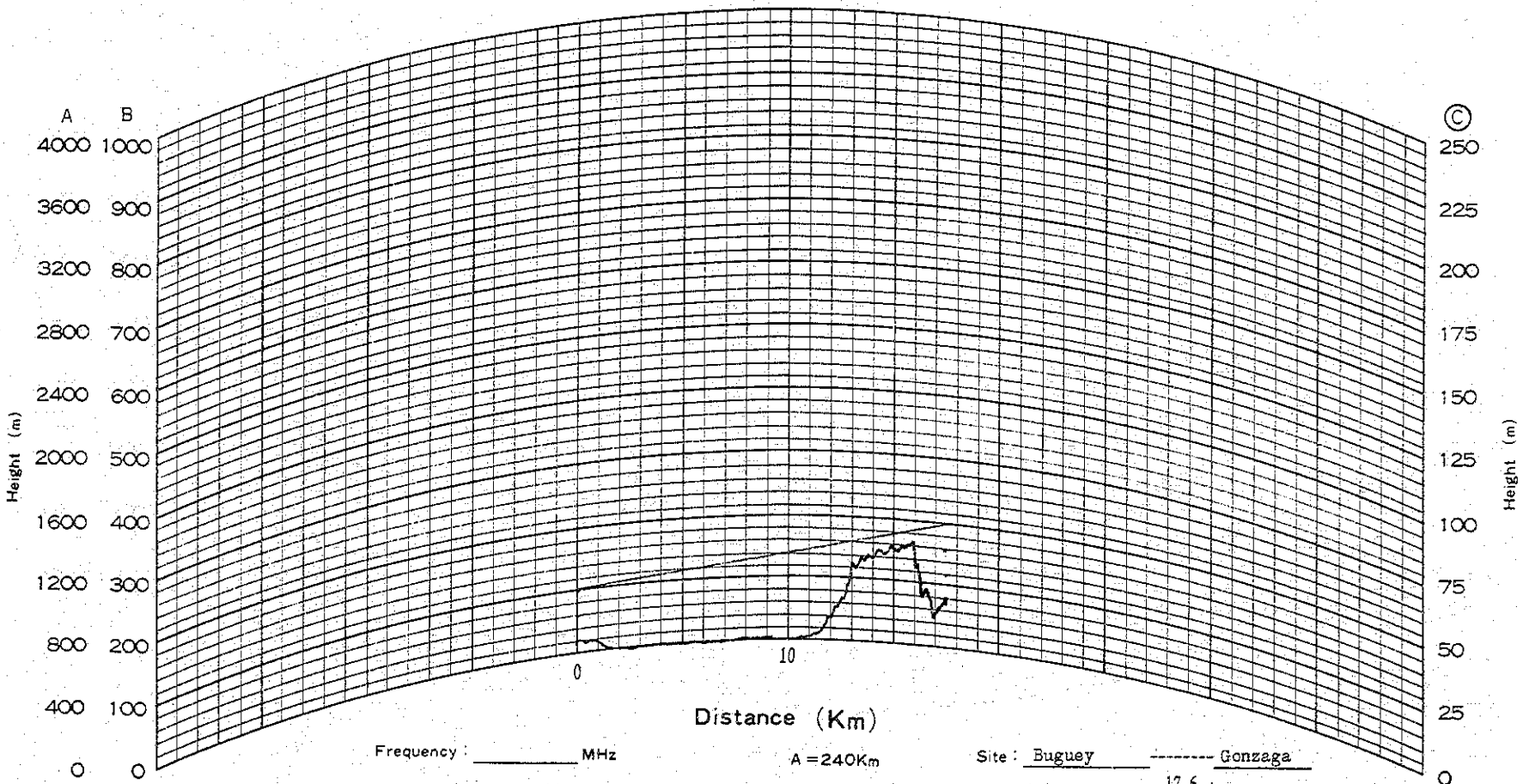
Name of Route : _____

No. : Fig VIII－2－2－74

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : Buguey -------- Gonzaga

Height : 5 m 17·6 km 20 m

Antenna height : 20 m 20 m

Name of Route : _____

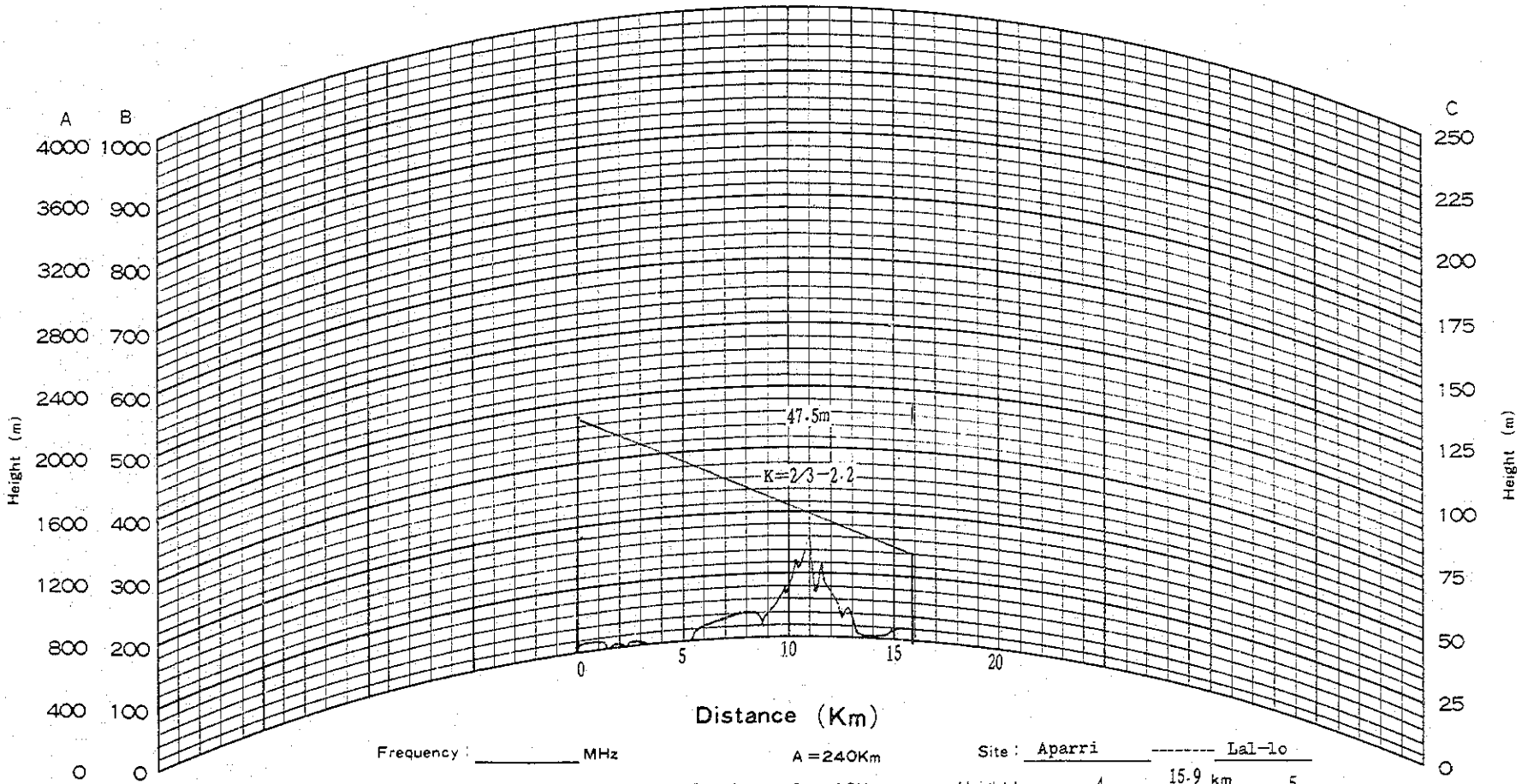
No. : Fig Ⅷ－2－2－75

Drawer : _____

Date : _____

PATH PROFILE

(K=4/3)



Frequency : _____ MHz

Power : _____ W

Full Scale A = 240Km
B = 120Km
C = 60Km

Site : Aparri -------- Lal-lo

Height : 4 m 15.9 km 5 m

Antenna height : 90 m 30 m

PATH PROFILE

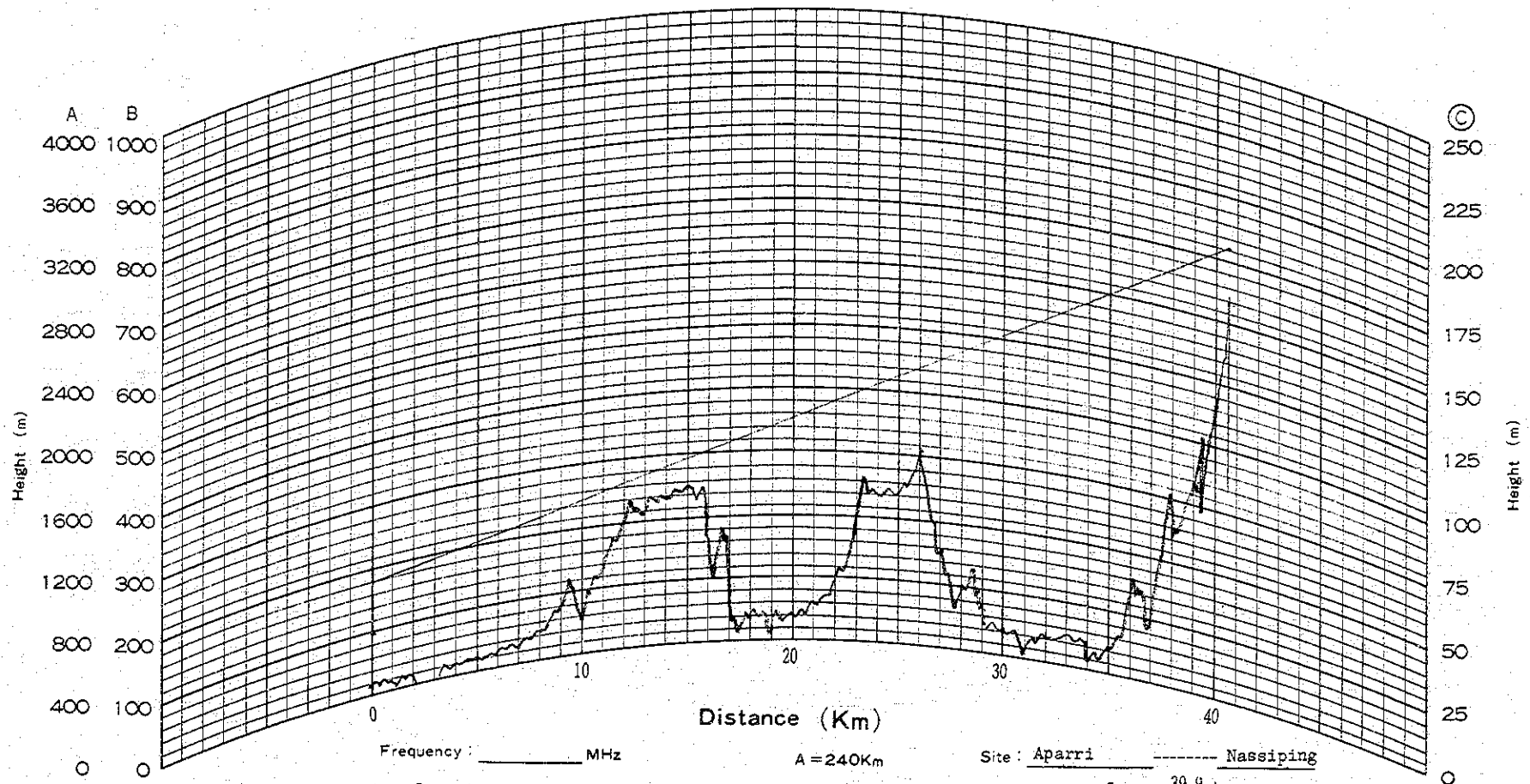
Name of Route : _____

No. : Fig Ⅷ－2－2－76

Drawer : _____

Date : July.27-28

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

© = 60Km

Site : Aparri -------- Nassiping

Height : 5 m 39.9 km 158 m

Antenna height : 40' m 20 m

PATH PROFILE

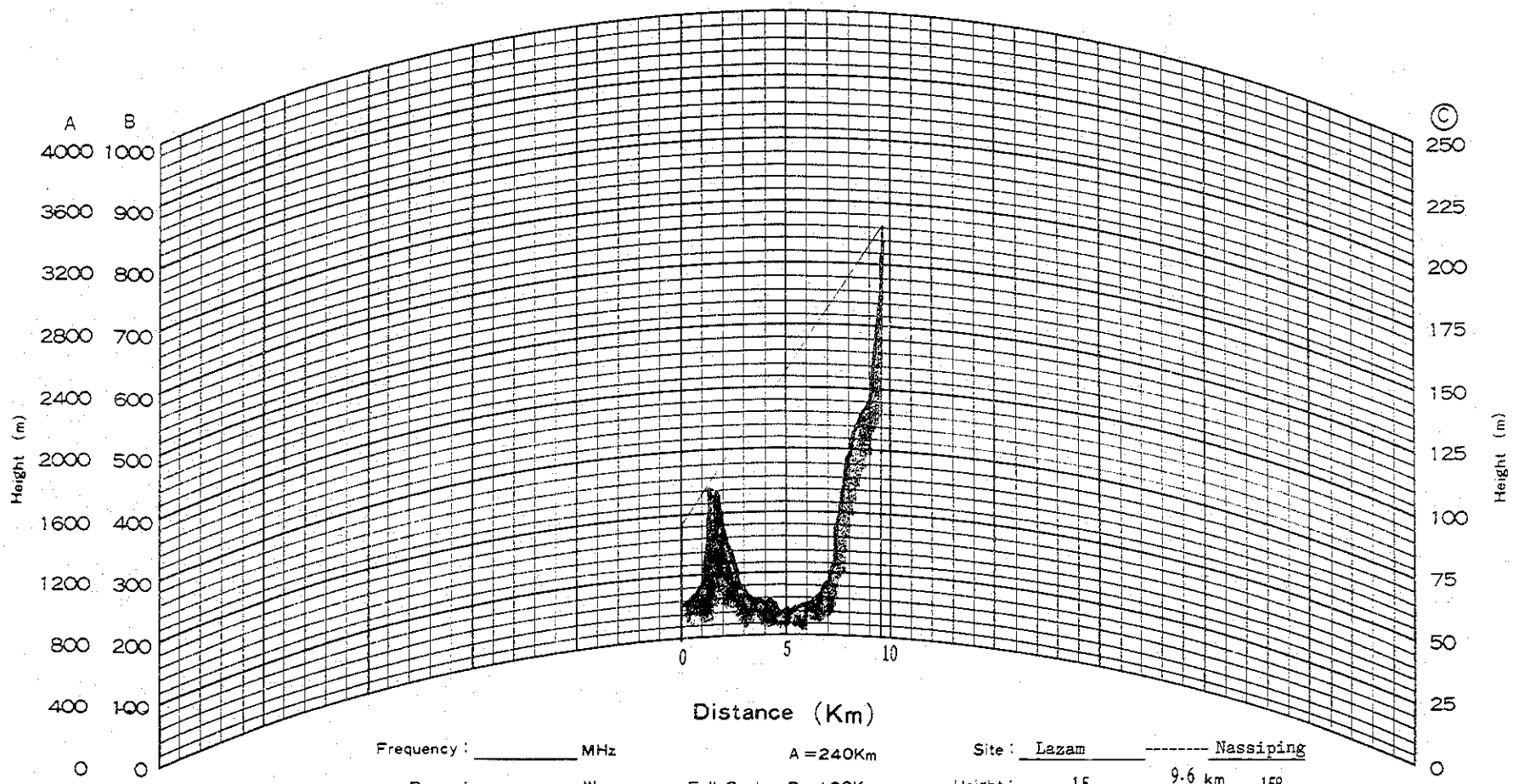
Name of Route : _____

No. : Fig Ⅷ－2－2－77

Drawer : _____

Date : 78. 5. 4

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A =240Km

Full Scale B =120Km

Ⓒ= 60Km

Site : Lazam -------- Nassiping

Height : 15 m 9.6 km 158 m

Antenna height : 330 m 10 m

PATH PROFILE

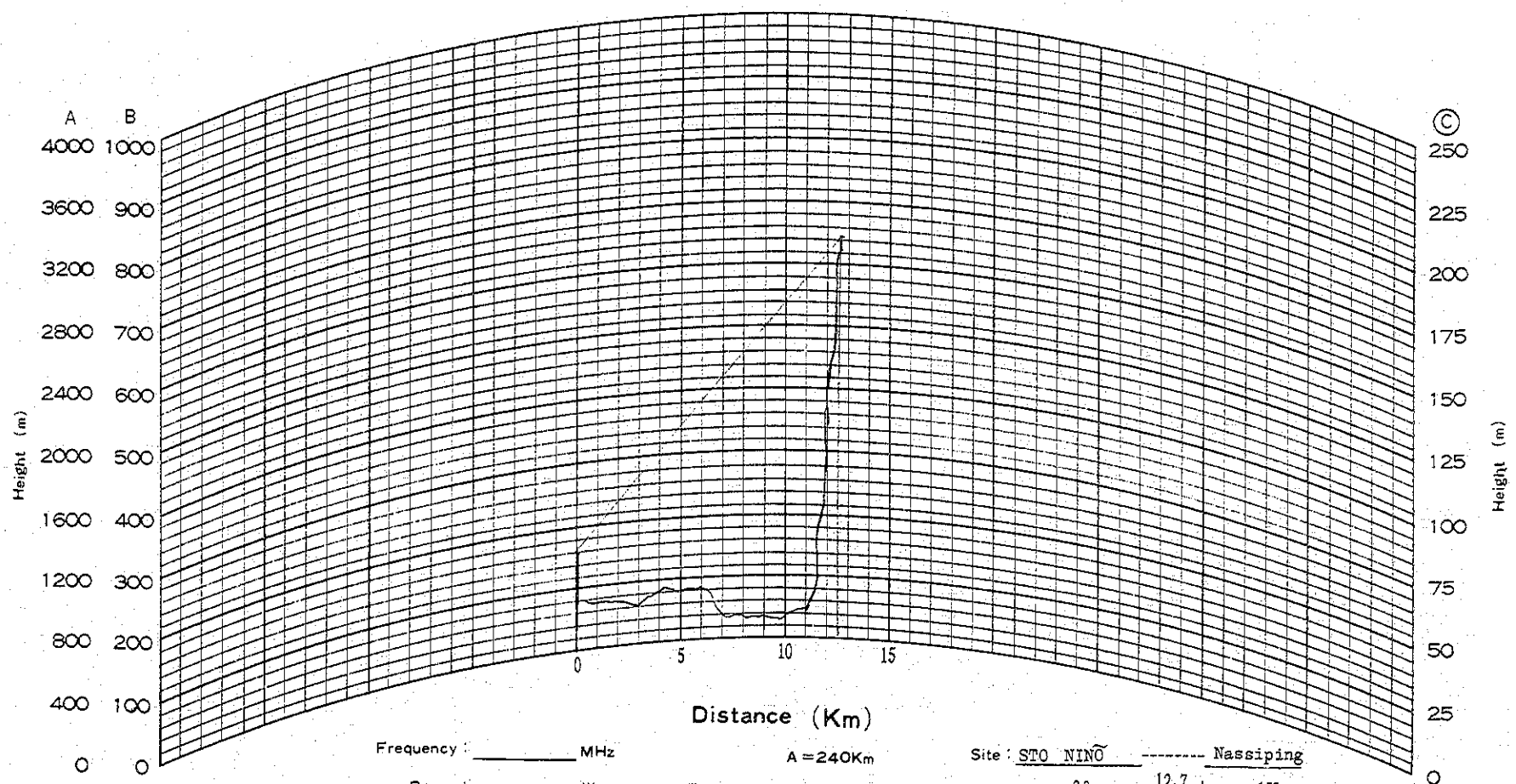
Name of Route : _____

No. : Fig Ⅷ－2－2－78

Drawer : _____

Date : 78. 5. 4

(K=4/3)



Frequency : _____ MHz

Power : _____ W

Full Scale A = 240Km
B = 120Km
C = 60Km

Site : STO NIÑO -------- Nassiping

Height : 20 m 12.7 km 158 m

Antenna height : 20 m 10 m

Name of Route : _____

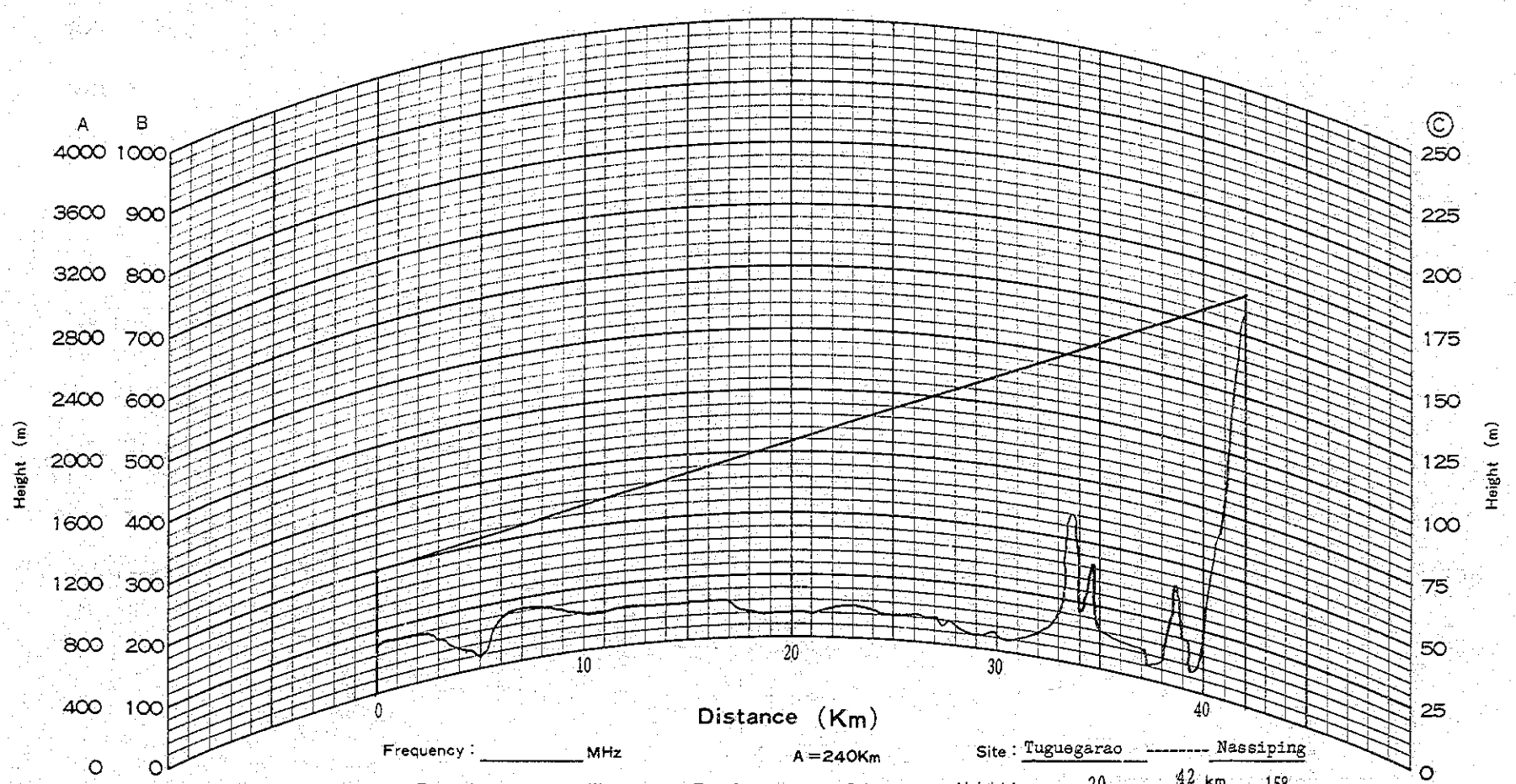
PATH PROFILE

No. : Fig Ⅷ－2－2－79

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A=240Km

Full Scale B=120Km

Ⓒ= 60Km

Site : Tuguegarao -------- Nassiping

Height : 20 m 42 km 158 m

Antenna height : 30 m 10 m

(共用) 651165 RT-1

PATH PROFILE

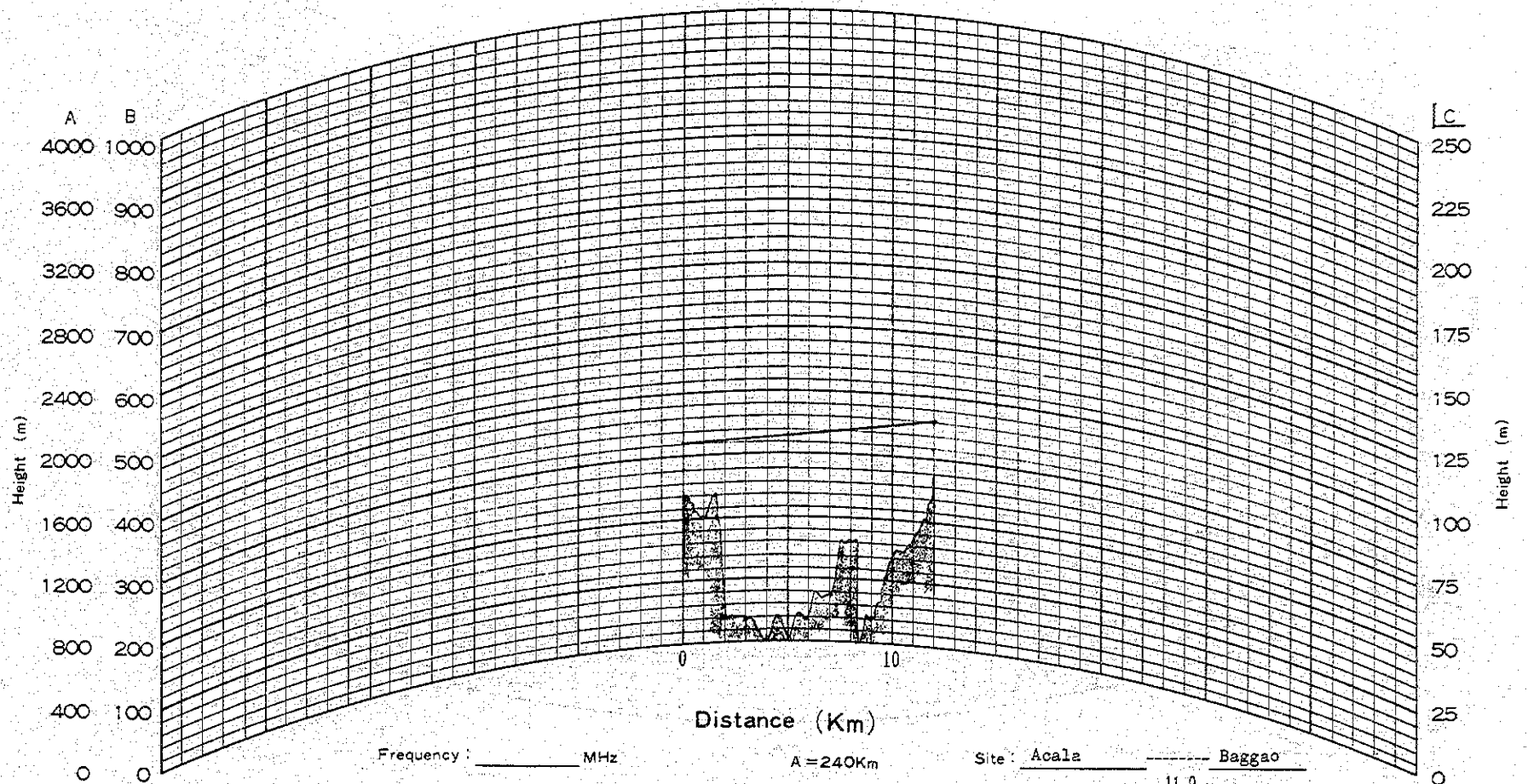
Name of Route : _____

No. : Fig Ⅷ－2－2－80

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

C = 60Km

Site : Acala ------- Baggao

Height : 59 m 11.9 km 70 m

Antenna height : 79 m 90 m

PATH PROFILE

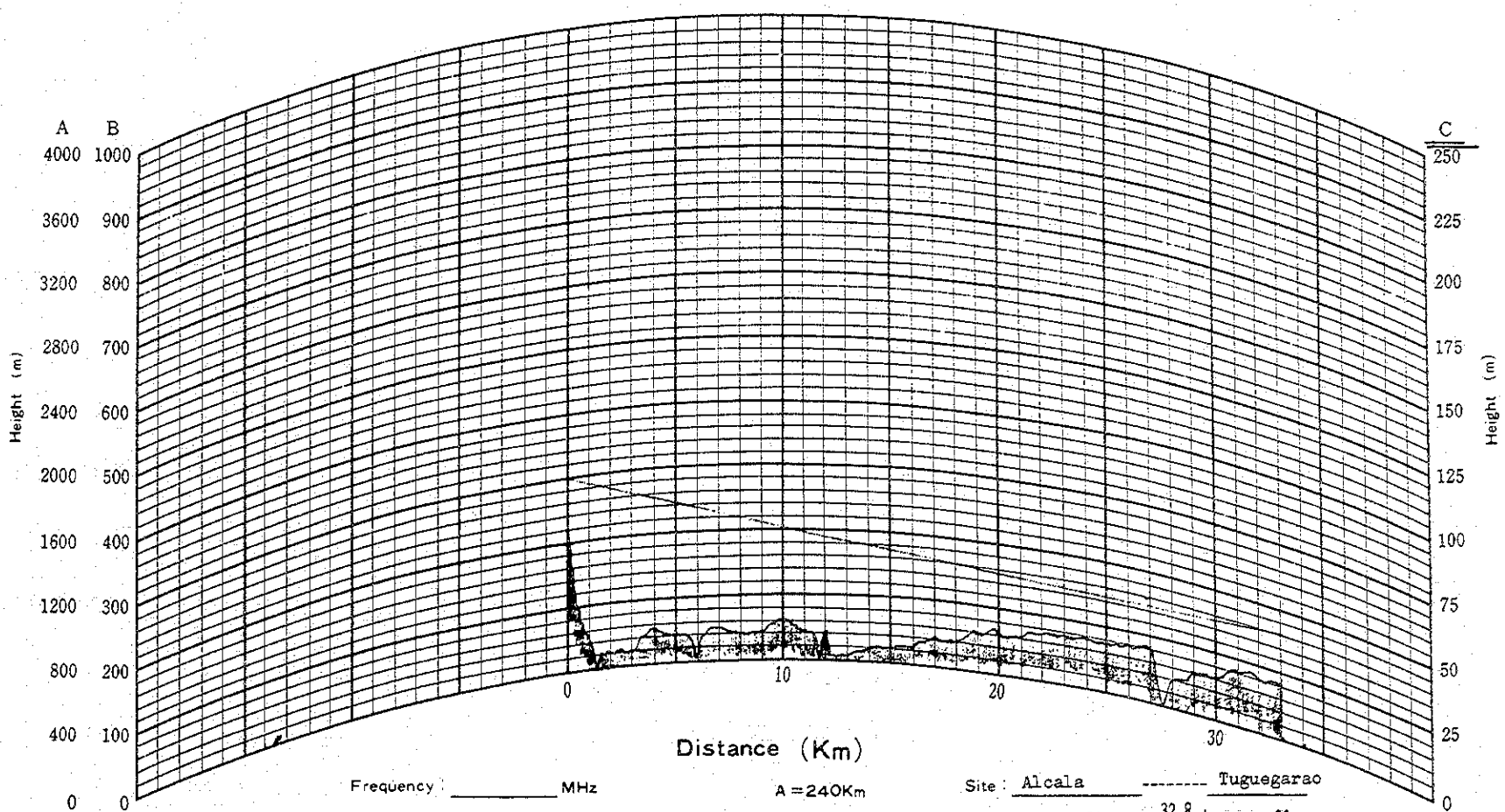
Name of Route : _____

No. : Fig Ⅷ－2－2－80

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

Full Scale A = 240Km
B = 120Km
C = 60Km

Site : Alcala -------- Tuguegarao

Height : 59 m 32.8 km 20 m

Antenna height : 20 m 20 m

FORM-1

PATH PROFILE

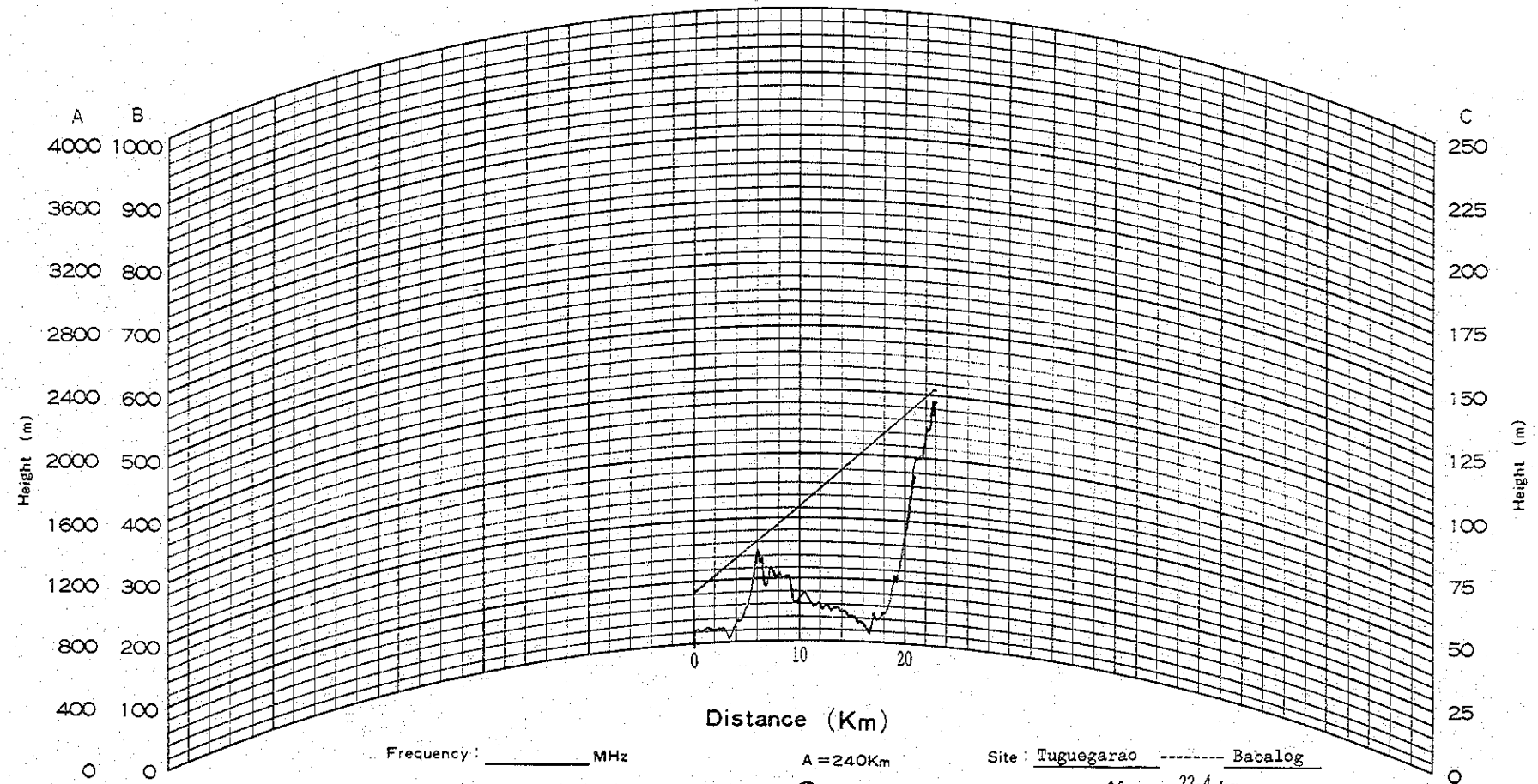
Name of Route : _____

No. : Fig Ⅷ－2－2－82

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale (B) = 120Km

C = 60Km

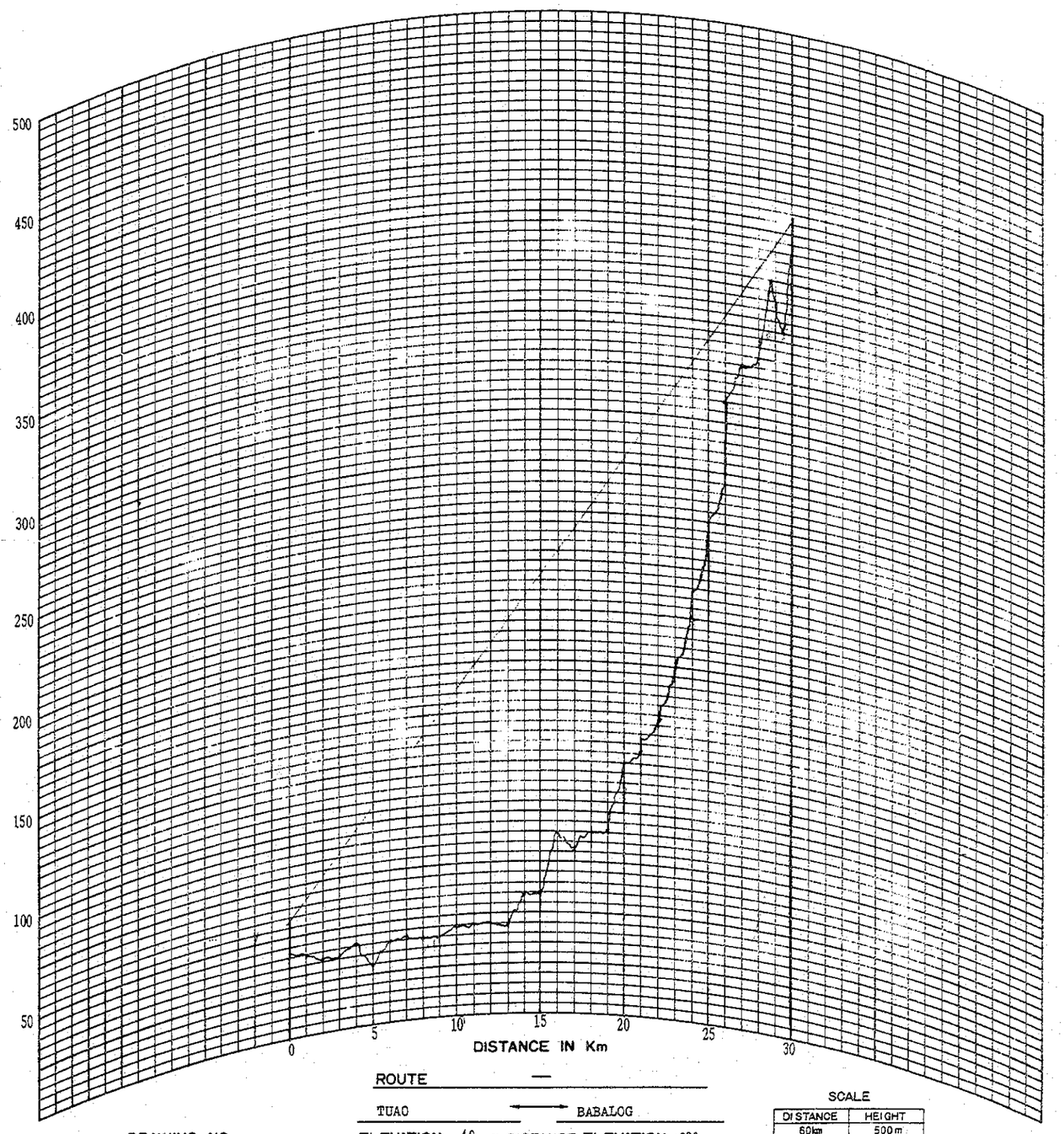
Site : Tuguegarao -------- Babalog

Height : 20 m 22.4 km 390 m

Antenna height : 60 m 20 m

PROFILE MAP

(4/3 RADIUS)



ROUTE —

TUAO ⟷ BABALOG

ELEVATION	40 m	DISTANCE	ELEVATION	390 m
ANTENNA HEIGHT	20 m	30.2 Km	ANTENNA HEIGHT	20 m

DRAWING NO.

DATE 78. 5. 4.

SCALE

DISTANCE	HEIGHT
60km	500m
120km	2000m
240km	8000m

ELEVATION IN METER

FORM-1

PATH PROFILE

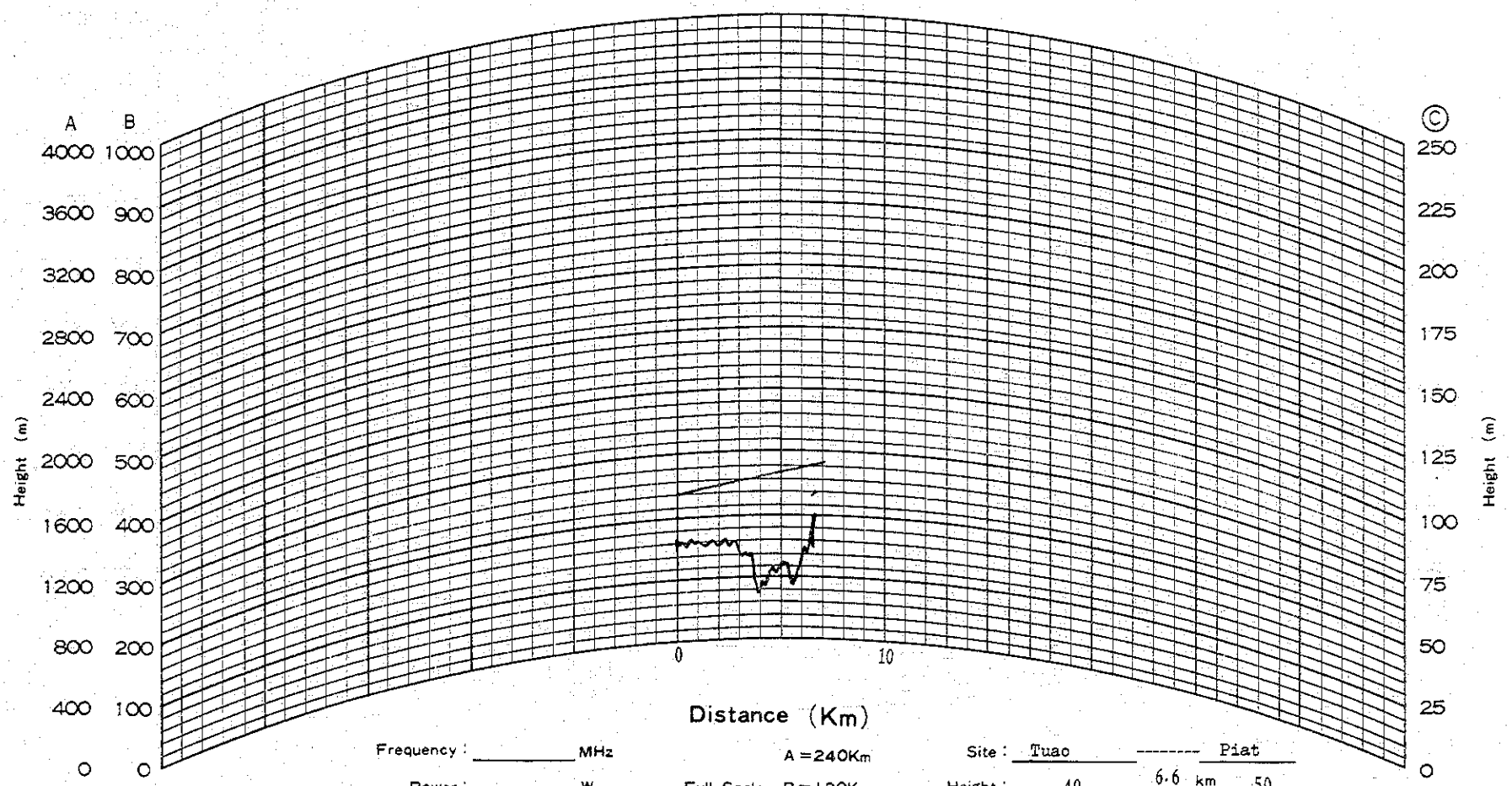
Name of Route : _____

No. : Fig Ⅷ-2-2-84

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : Tuao ------- Piat

Height : 40 m 6.6 km 50 m

Antenna height : 20 m 20 m

PATH PROFILE

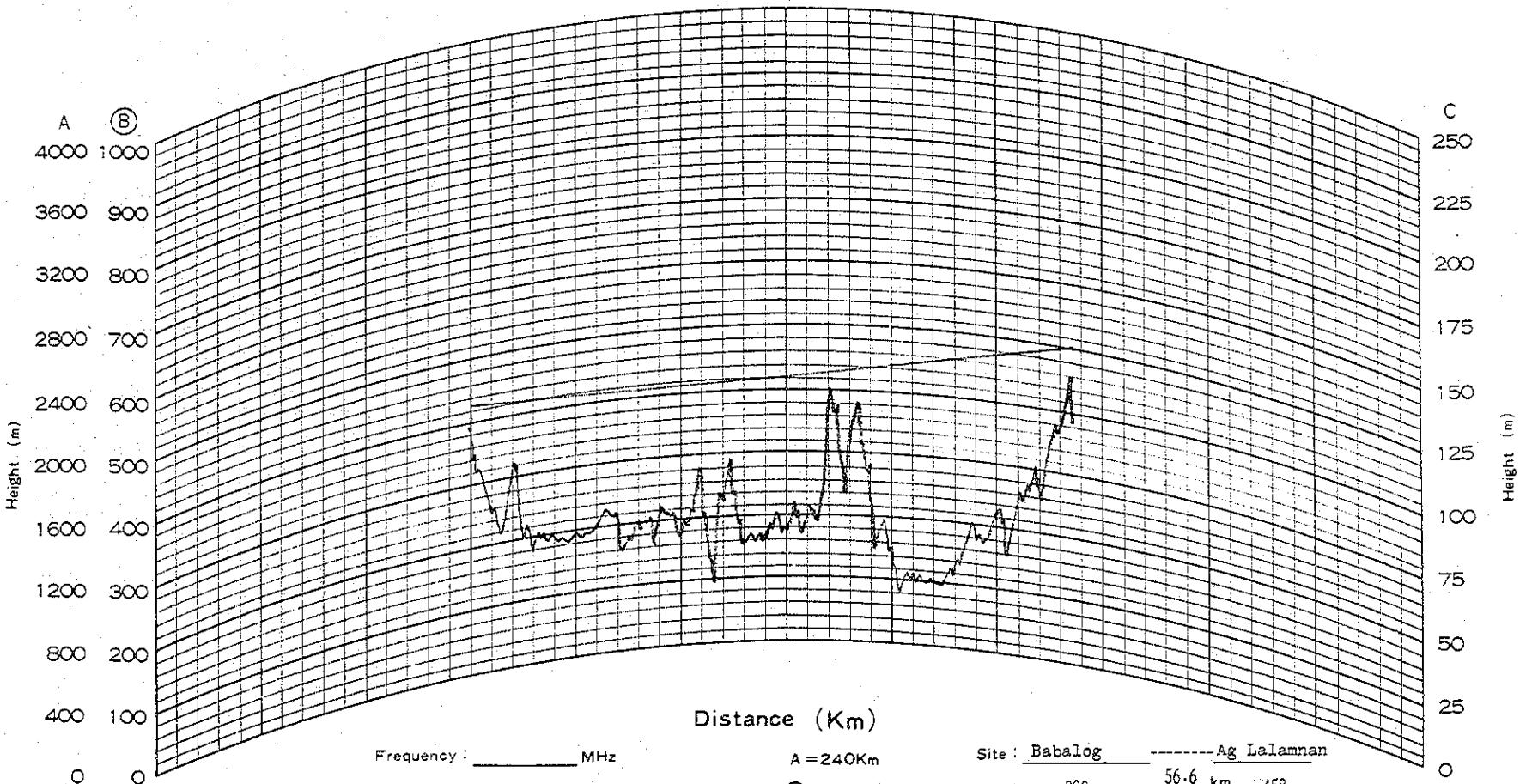
Name of Route : _____

No. : Fig VII-2-2-85

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale (B) = 120Km

C = 60Km

Site : Babalog -------- Ag Lalamnan

Height : 390 m 56.6 km 458 m

Antenna height : 40 m 40 m

FORM-1

PATH PROFILE

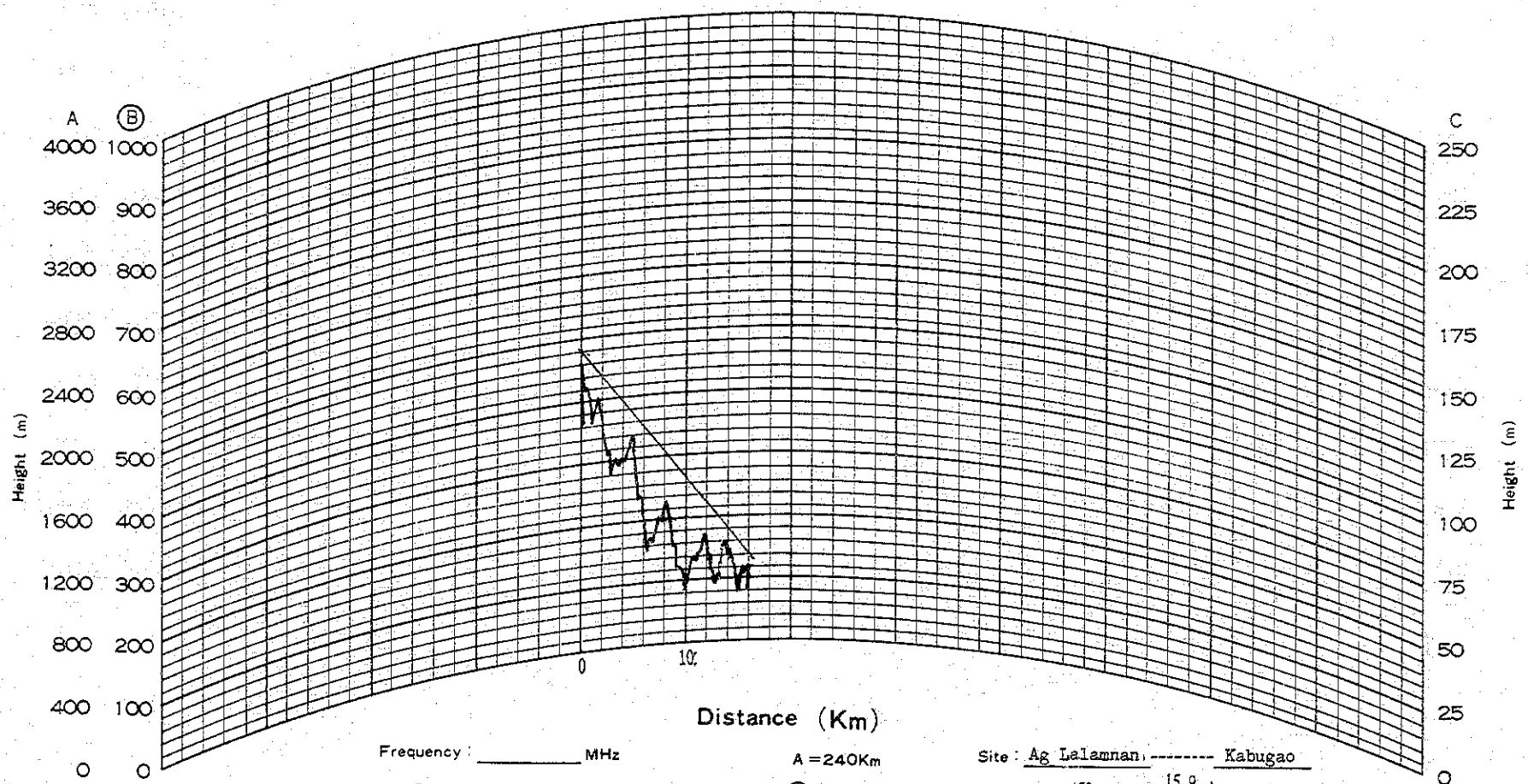
Name of Route : _____

No. : Fig VIII-2-2-86

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

C = 60Km

Site : Ag Lalamnan ------- Kabugao

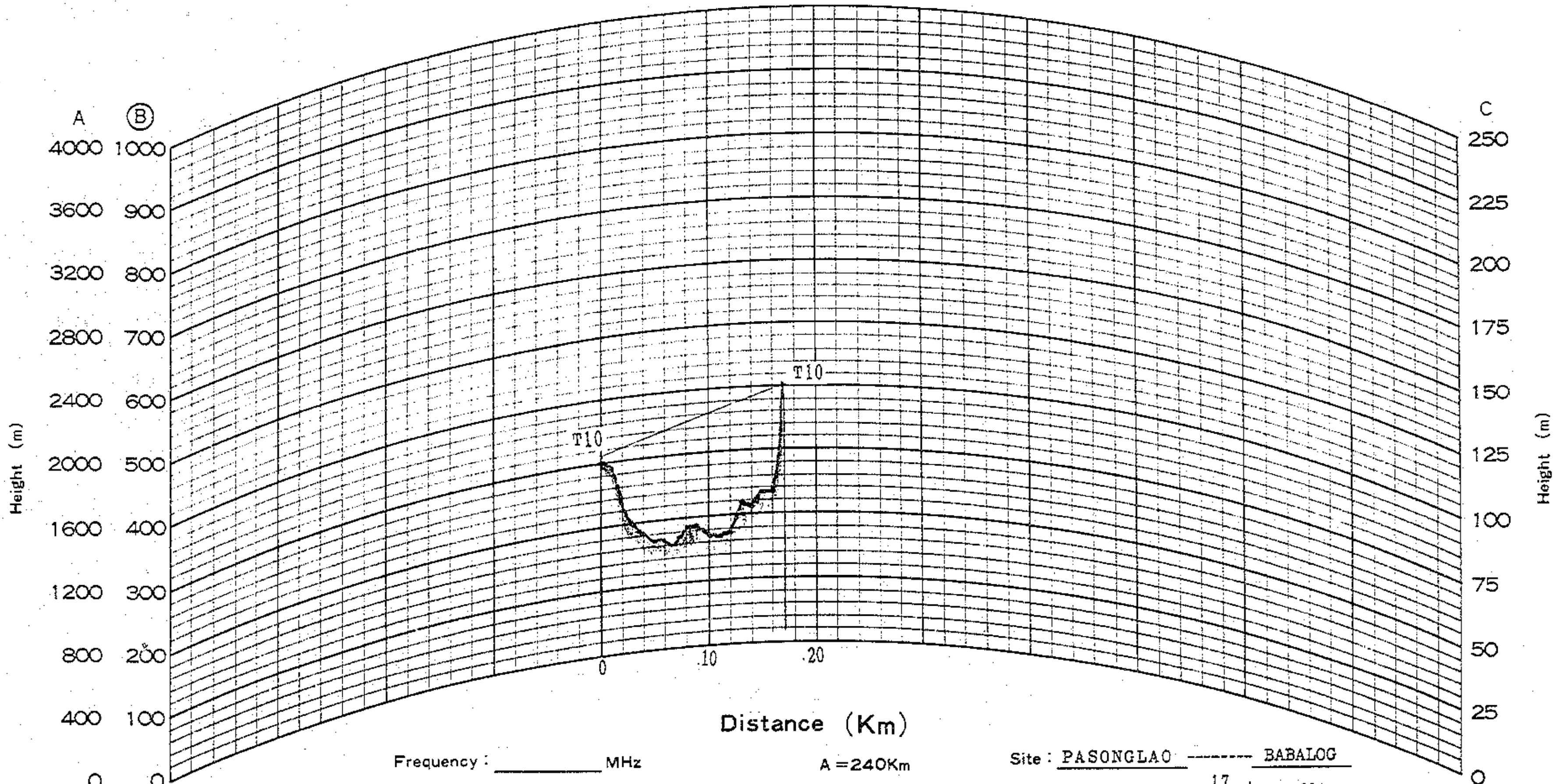
Height : 458 m 15.9 km 120 m

Antenna height : 20 m 20 m

PATH PROFILE

Name of Route :
No. : Fig Ⅷ－2－2－87
Drawer :
Date :

(K=4/3)



Distance (Km)

Frequency : ________ MHz

Power : ________ W

Full Scale A = 240Km Ⓑ = 120Km C = 60Km

Site :	PASONGLAO	———	BABALOG
Height :	300 m	17 km	394 m
Antenna height :	10 m		10 m
	17° 23′ 47″		17°28′ 55″
	121° 24′ 56″		121°33′ 02″

(林野堂) 651165 RT－1

Name of Route : _____

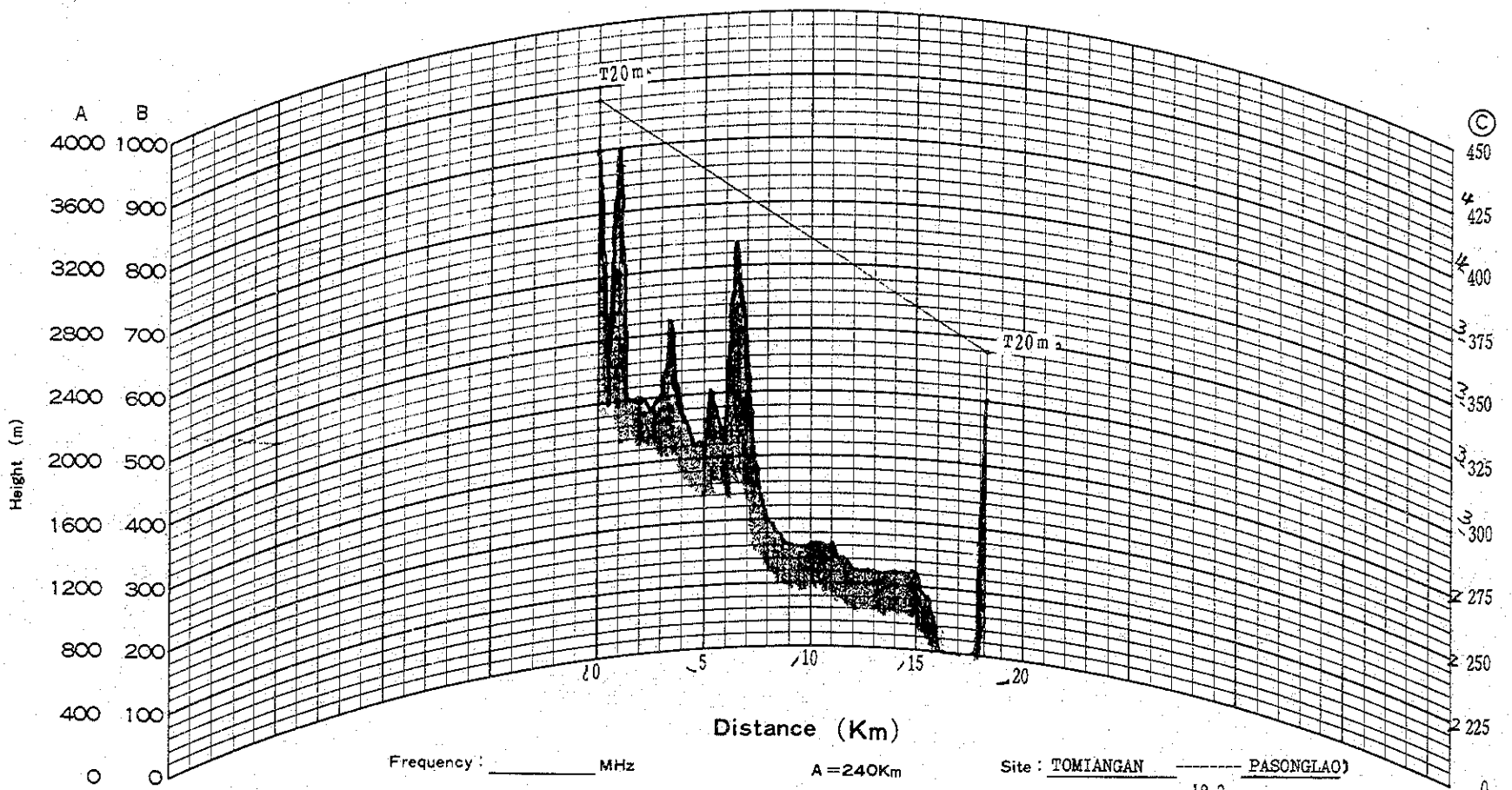
PATH PROFILE

No. : Fig Ⅷ－2－2－88

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A=240Km

Full Scale B=120Km

Ⓒ= 60Km

Site : TOMIANGAN -------- PASONGLAO)

Height : 400 m 18-2 km 300 m

Antenna height : 20 m 20 m

17°24′28″ 17°23′47″

121°14′36″ 121°24′56″

(兼用紙) 651165 RT-1

Name of Route : _____

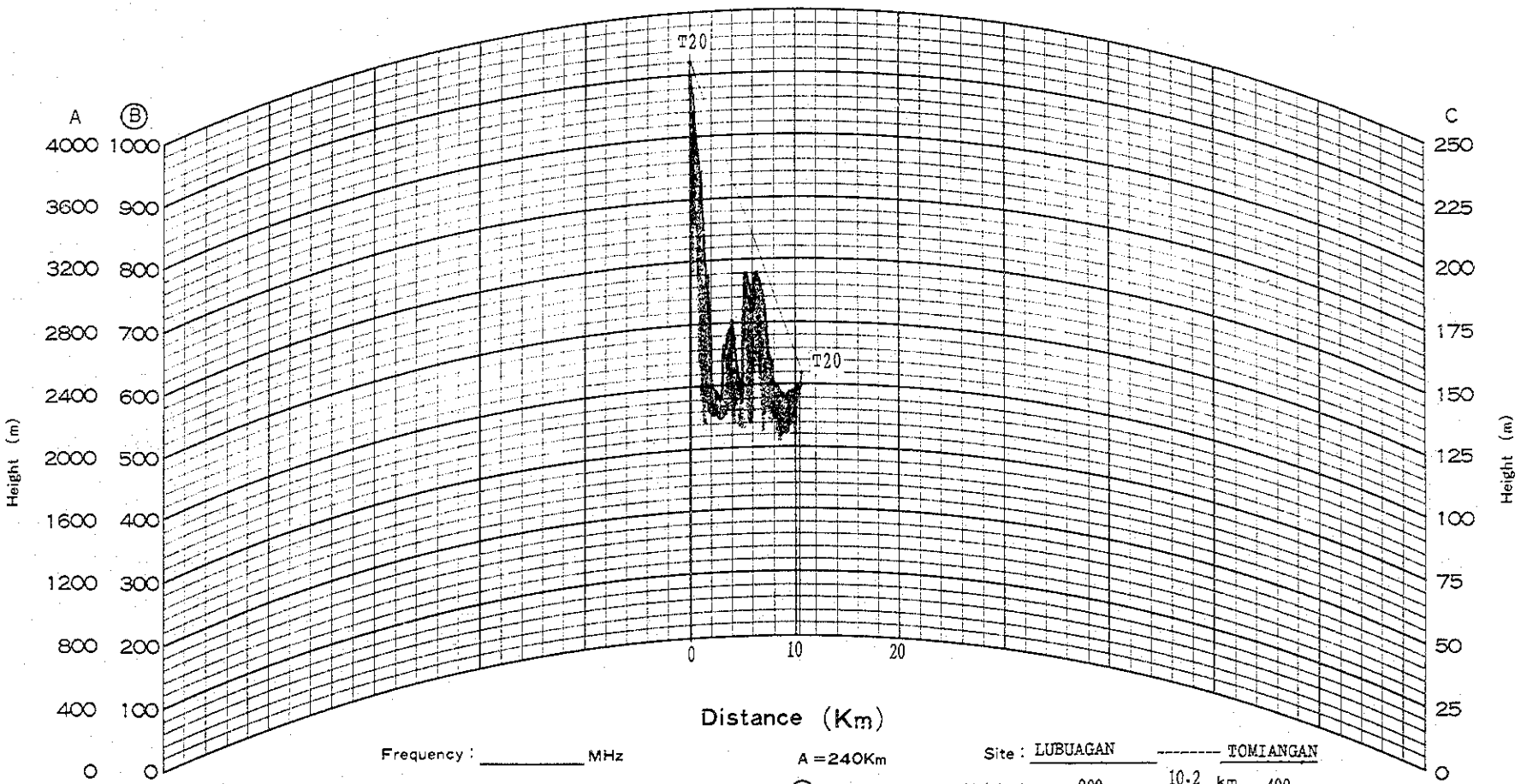
No. : Fig Ⅷ－2－2－89

Drawer : _____

Date : _____

PATH PROFILE

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale Ⓑ = 120Km

C = 60Km

Site :	LUBUAGAN	--------	TOMIANGAN
Height :	900 m	10.2 km	400 m
Antenna height :	20 m		20 m
	17°20′56″		17°24′28″
	121°10′23″		121°14′35″

(林野庁) 651165 RT-1

PATH PROFILE

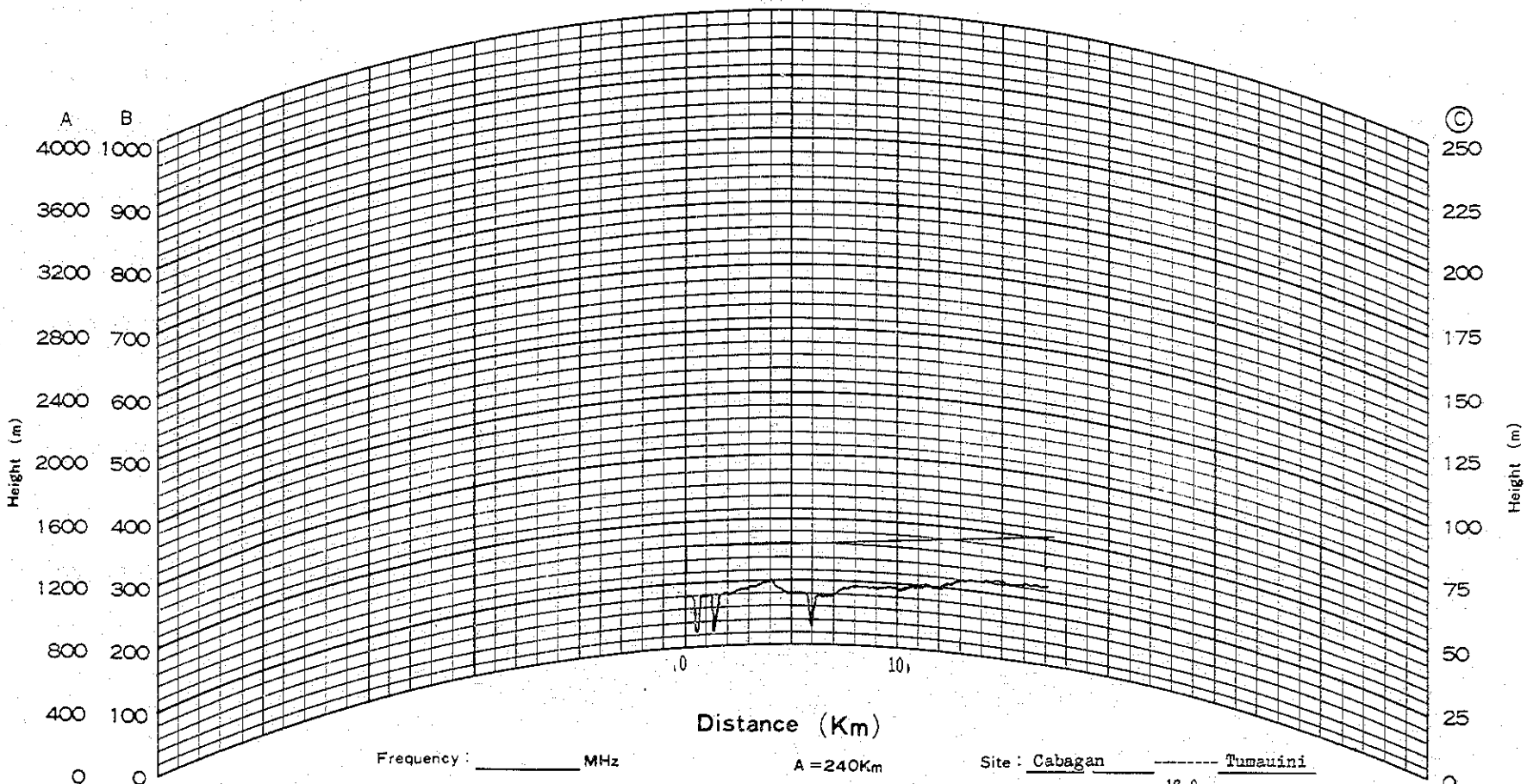
Name of Route : _____

No. : Fig VII-2-2-90

Drawer : _____

Date : July 27-78

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : Cabagan -------- Tumauini

Height : 20 m 17.0 km 32 m

Antenna height : 20 m 20 m

Name of Route : _____

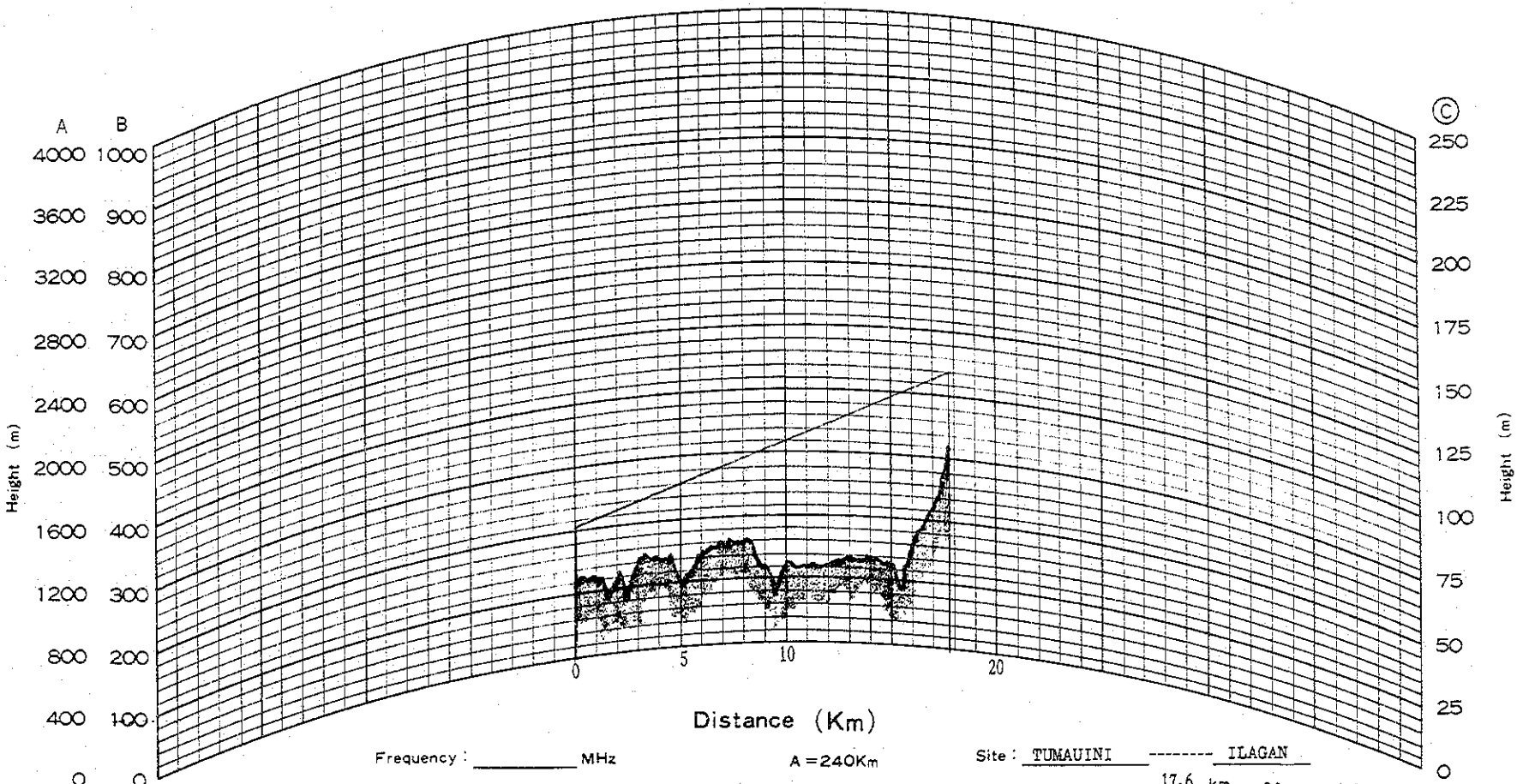
No. : Fig Ⅷ－2－2－91

Drawer : _____

Date : 78. 5. 4

PATH PROFILE

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : TUMAUINI -------- ILAGAN

Height : 32 m 17.6 km 80 m

Antenna height : 20 m 30 m

PATH PROFILE

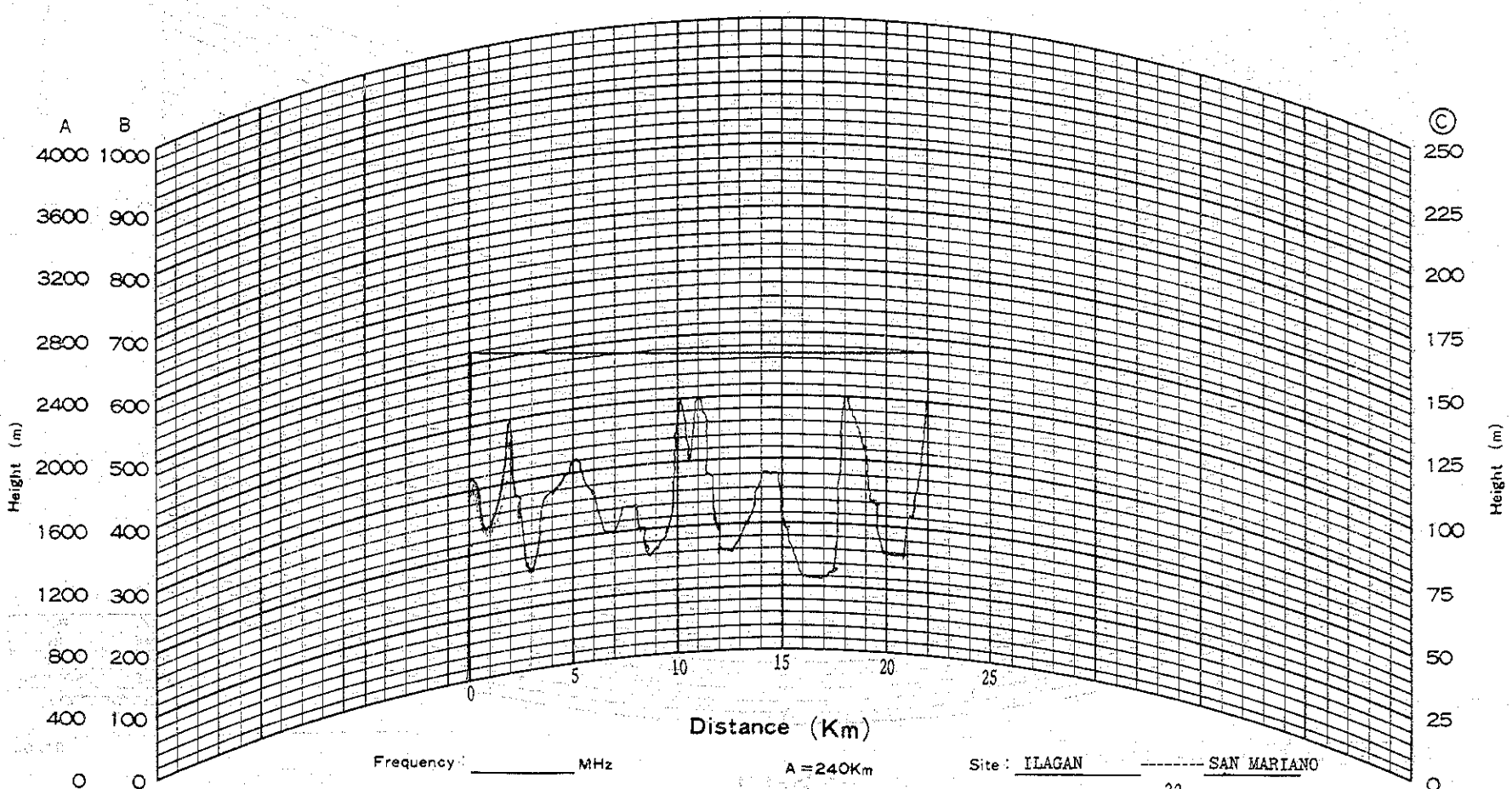
Name of Route : _____

No. : Fig Ⅷ－2－2－92

Drawer : _____

Date : 78. 5. 4

(K=4/3)



Frequency : _____ MHz

Power : _____ W

Full Scale A = 240Km
B = 120Km
C = 60Km

Site : ILAGAN -------- SAN MARIANO

Height : 80 m 22 km 100 m

Antenna height : 50 m 20 m

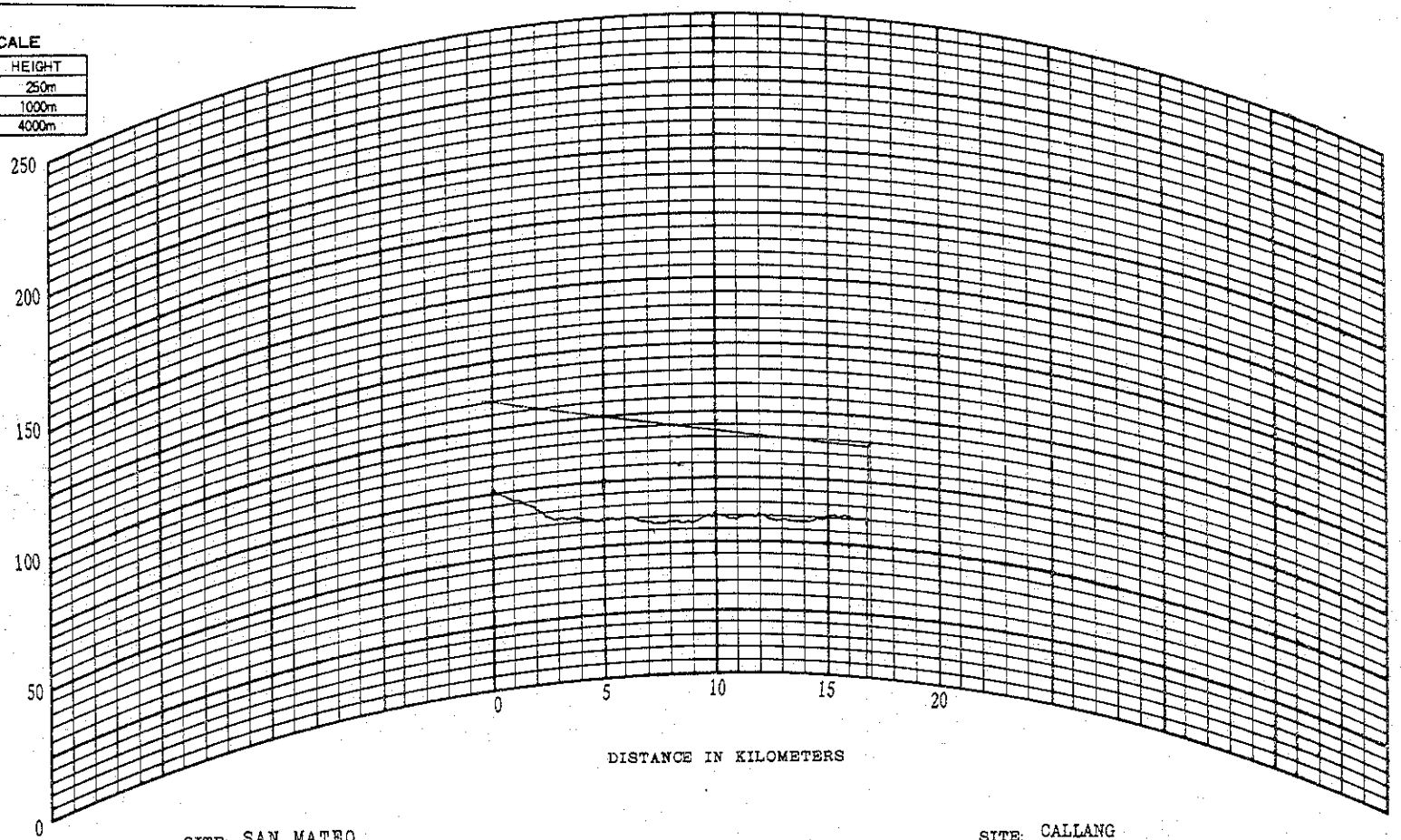
PROFILE MAP
(4 / 3 RADIUS)

DRAWING NO.: Fig Ⅷ－2－2－93

ROUTE: _____

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: SAN MATEO
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 77 m
ANTENNA HEIGHT: 35 m

DISTANCE: 16.9 km

HOP NO : _____

SITE: CALLANG
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 62 m
ANTENNA HEIGHT: 30 m

PATH PROFILE

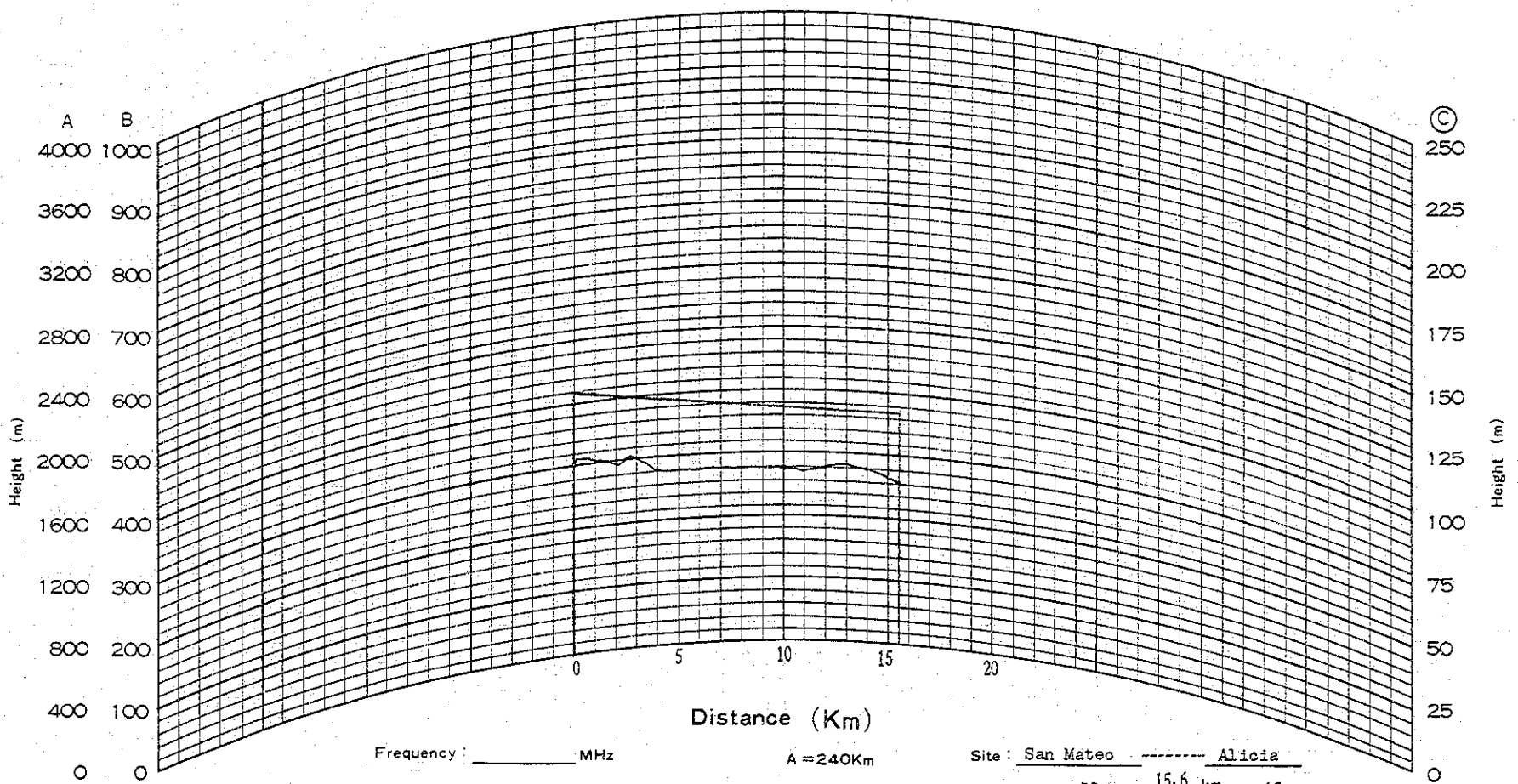
Name of Route : _____

No. : Fig Ⅷ－2－2－94

Drawer : _____

Date : _____

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A =240Km

Full Scale B =120Km

© = 60Km

Site : San Mateo -------- Alicia

Height : 77 m 15.6 km 65 m

Antenna height : 30 m 30 m

FORM-1

PATH PROFILE

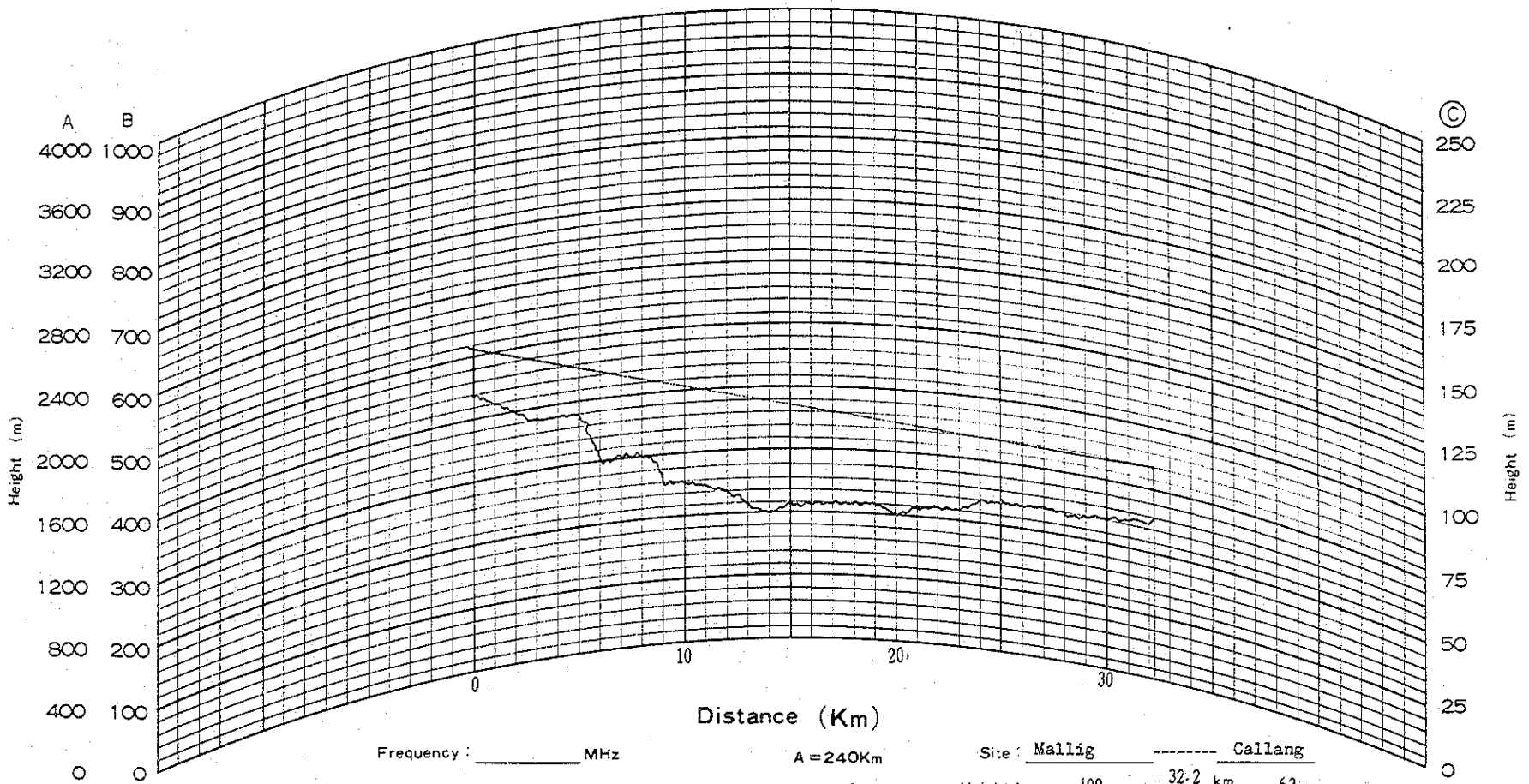
Name of Route : _____

No. : Fig Ⅲ－2－2－95

Drawer : _____

Date : Aug. 4. '78

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : Mallig -------- Callang

Height : 109 m 32.2 km 62 m

Antenna height : 20 m 20 m

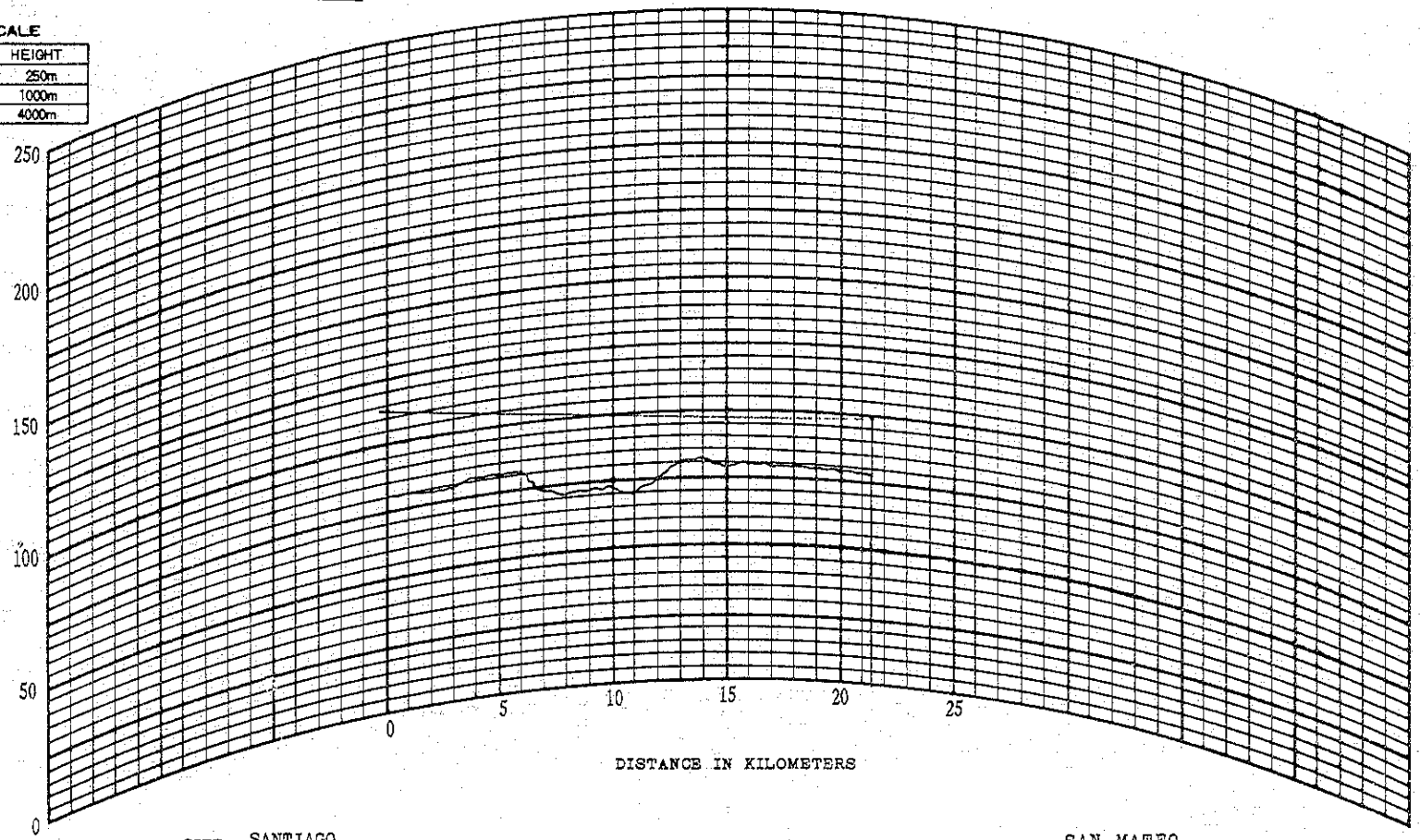
PROFILE MAP
(4 / 3 RADIUS)

ROUTE: _____

DRAWING NO.: Fig Ⅷ－2－2－96

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: SANTIAGO
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 80 m
ANTENNA HEIGHT: 35 m

DISTANCE: 21.3 km

HOP NO. : _____

SITE: SAN MATEO
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 77 m
ANTENNA HEIGHT: 45 m

FORM-1

PATH PROFILE

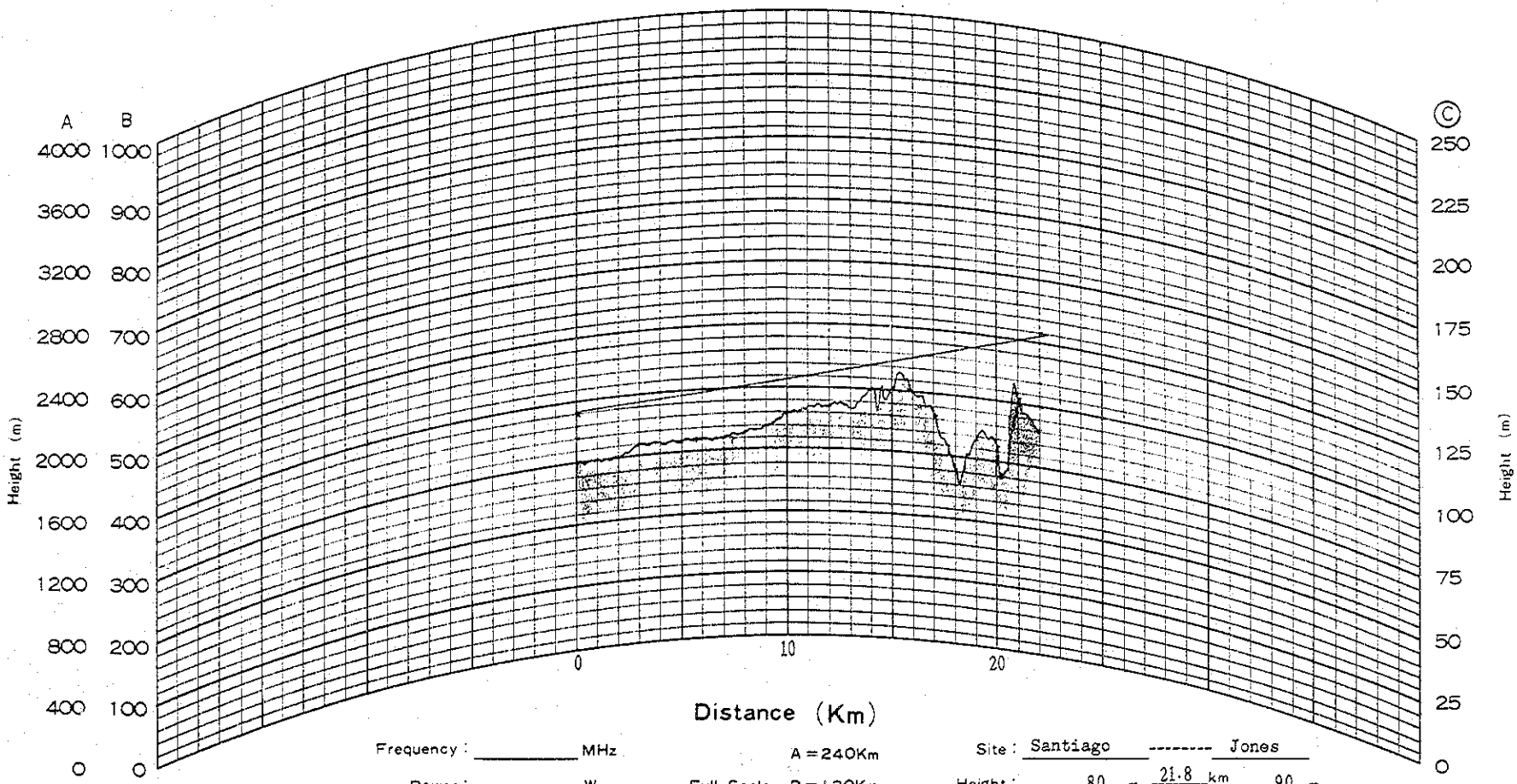
Name of Route : _____

No. : Fig Ⅷ-2-2-97

Drawer : _____

Date : July 27.78

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

Ⓒ = 60Km

Site : Santiago ---------- Jones

Height : 80 m 21.8 km 90 m

Antenna height : 20 m 40 m

FORM-1

PATH PROFILE

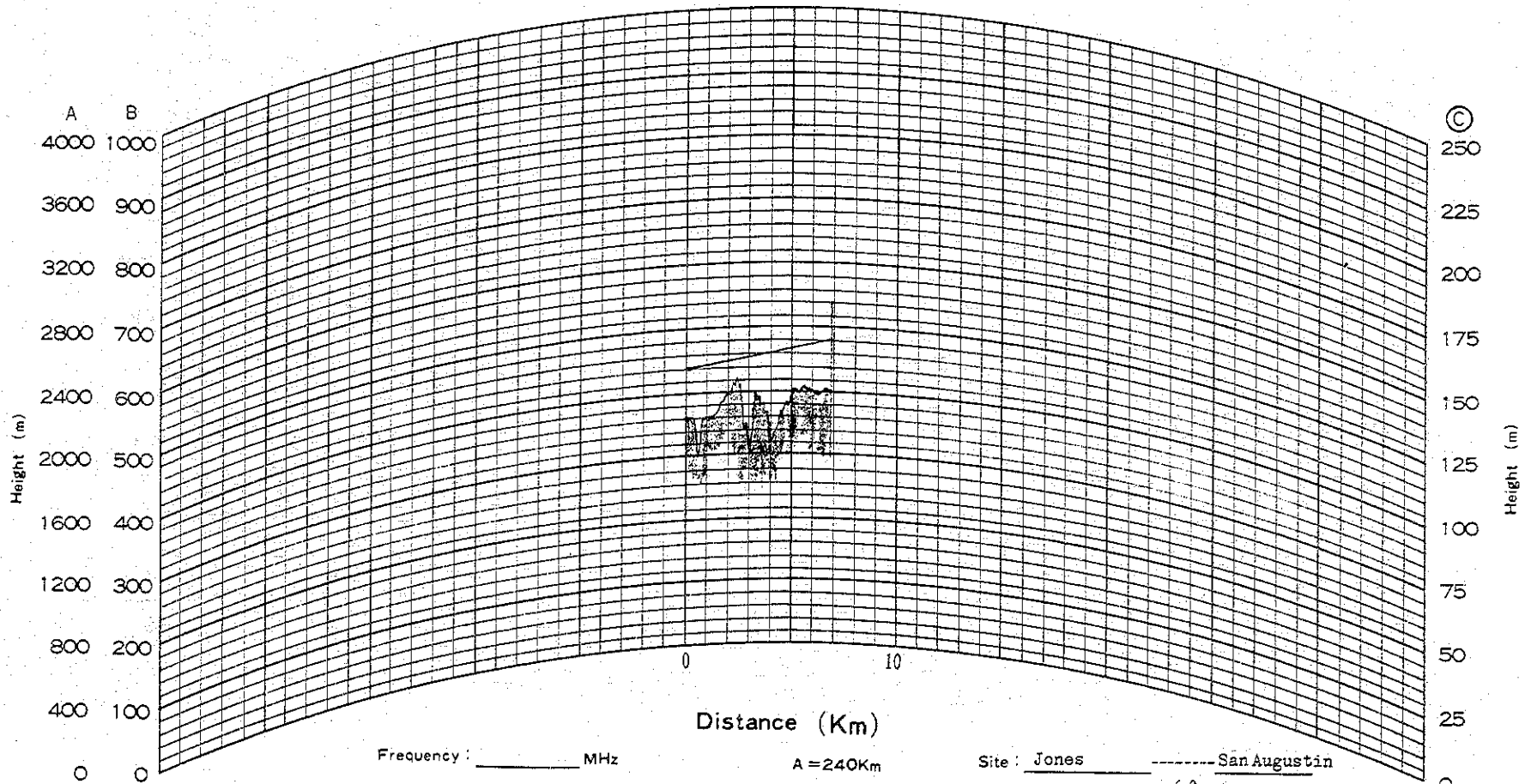
Name of Route : _____

No. : Fig VII-2-2-98

Drawer : _____

Date : July 27.78

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale B = 120Km

© = 60Km

Site : Jones --------San Augustin

Height : 90 m 6.9 km 100 m

Antenna height : 20 m 20 m

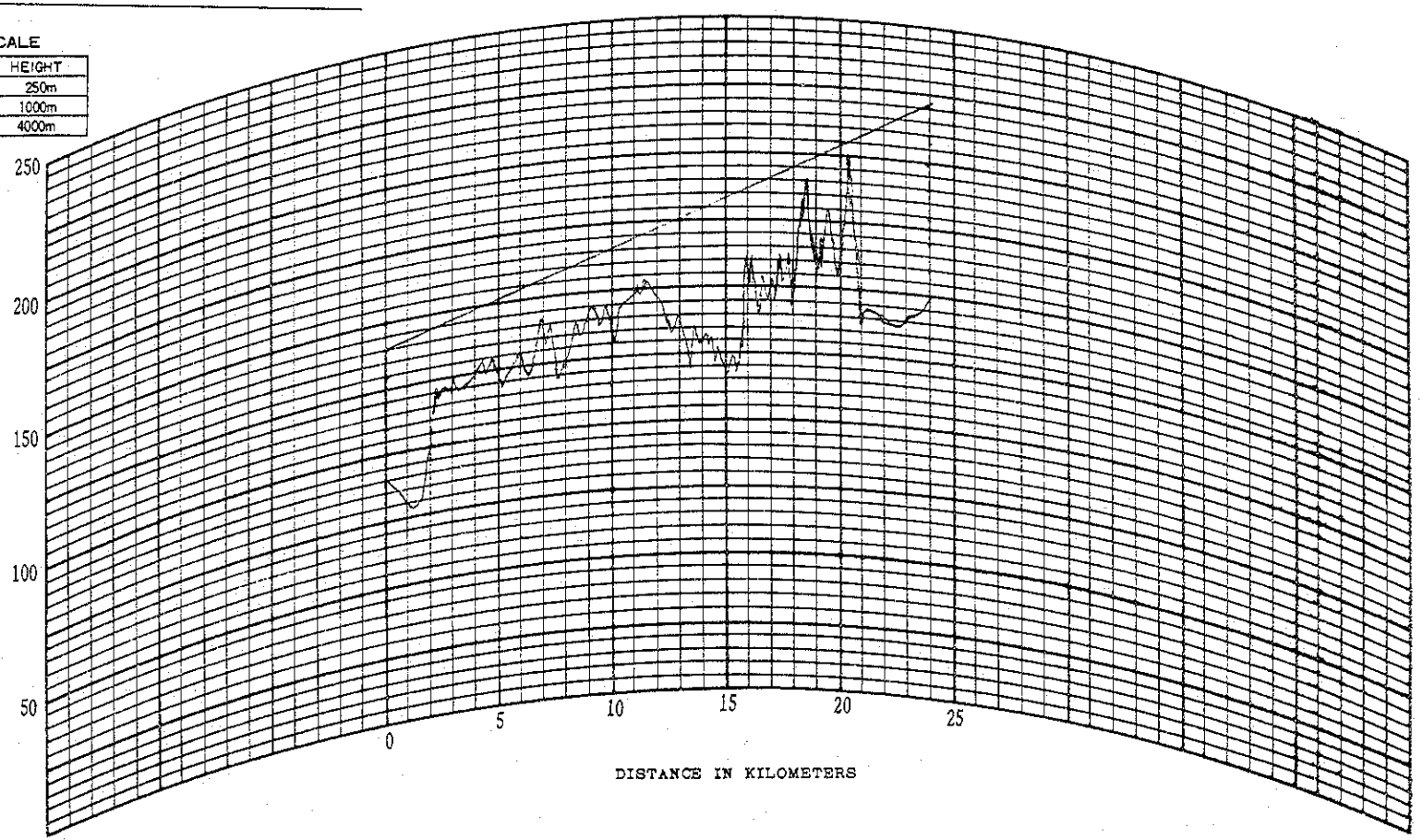
PROFILE MAP
(4 / 3 RADIUS)

ROUTE: _____

DRAWING NO.: Fig Ⅷ－2－2－99

FULL SCALE

DISTANCE	HEIGHT
60km	250m
120km	1000m
240km	4000m



SITE: JONES
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 90 m
ANTENNA HEIGHT: 50 m

DISTANCE: 24.0 km

EOP NO. : _____

SITE: MADDELA
LATITUDE: _____
LONGITUDE: _____
GROUND ELEVATION: 150 m
ANTENNA HEIGHT: 70 m

Name of Route : _____

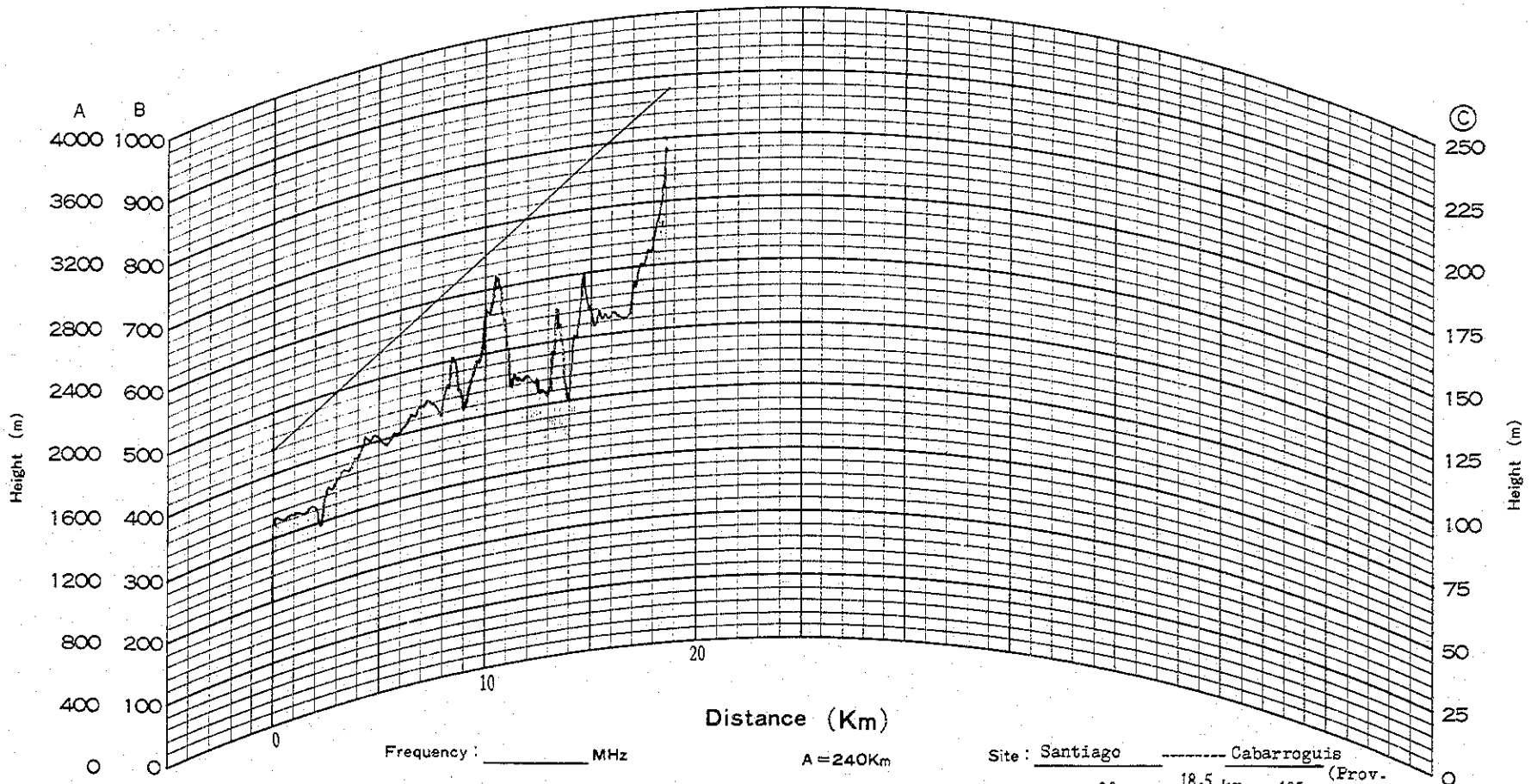
PATH PROFILE

No. : Fig Ⅷ－2－2－100

Drawer : _____

Date : Oct.24.1978

(K=4/3)



Frequency : _____ MHz

Power : _____ W

Full Scale A=240Km B=120Km C= 60Km

Site : Santiago -------- Cabarroguis (Prov. capital)

Height : 80 m 18.5 km 195 m

Antenna height : 30 m 20 m

(株)東京 651165 RT-1

PATH PROFILE

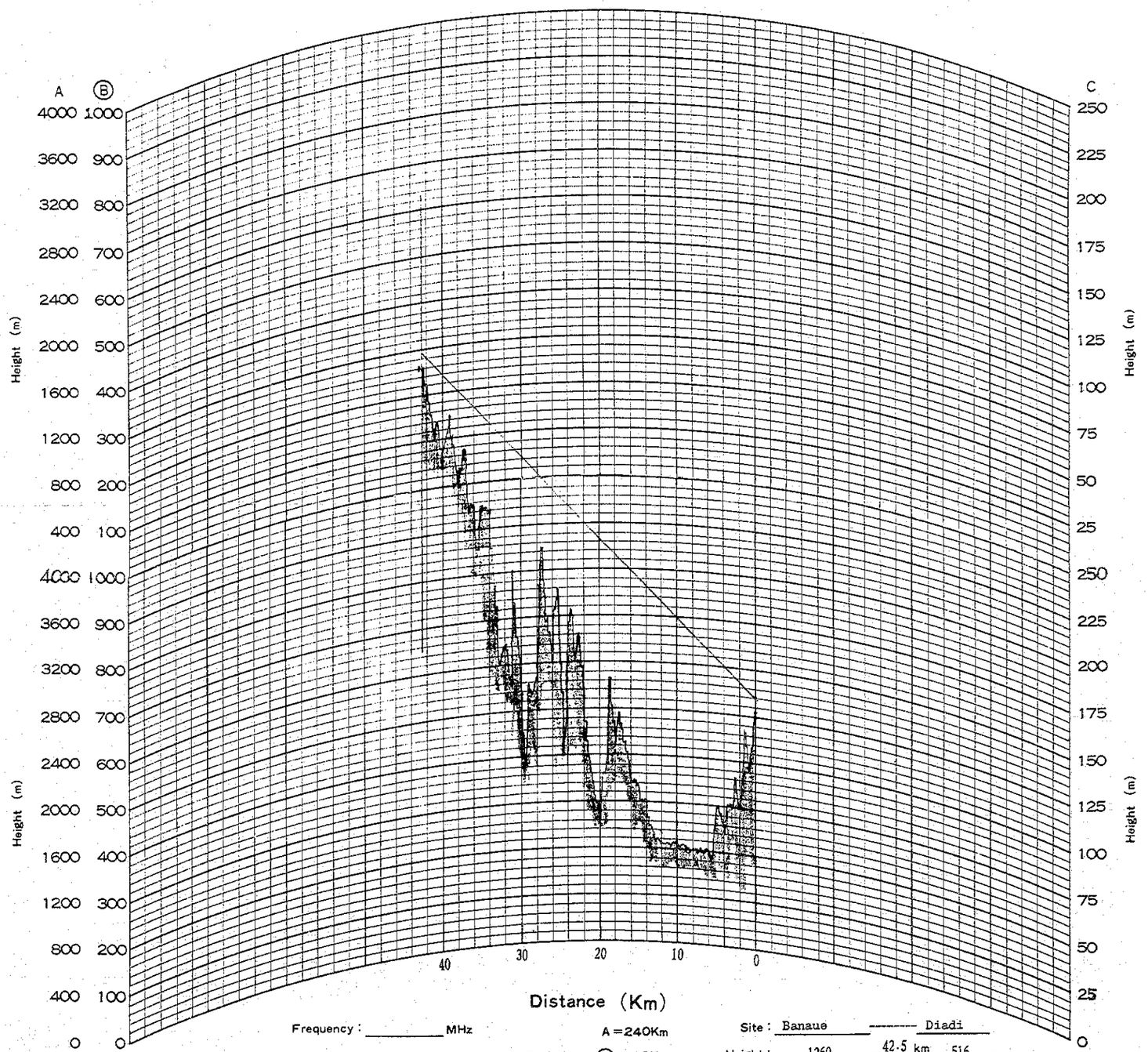
Name of Route : _____

No. : Fig Ⅷ－2－2－101

Drawer : _____

Date : Oct. 19. 1978

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale (B) = 120Km

C = 60Km

Site : Banaue ------ Diadi

Height : 1260 m 42.5 km 516 m

Antenna height : 20 m 80 m

PATH PROFILE

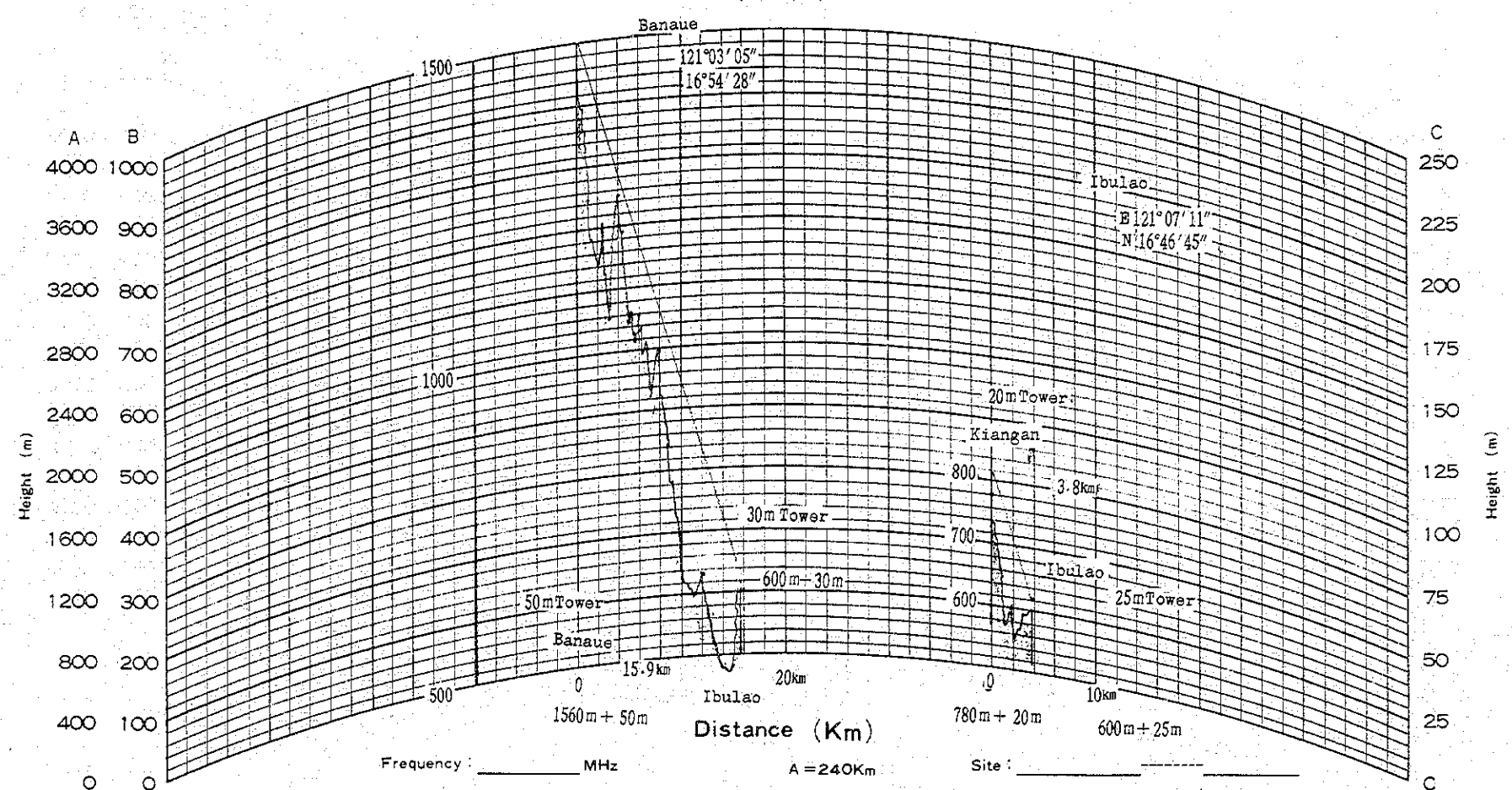
Name of Route : _____

No. : Fig VIII-2-2-102

Drawer : _____

Date : July 27·78

(K=4/3)



Frequency : _____ MHz

Power : _____ W

Full Scale A = 240Km
B = 120Km
C = 60Km

Site : _____ ------- _____

Height : _____ m _____ km _____ m

Antenna height : _____ m _____ m

Name of Route : _____

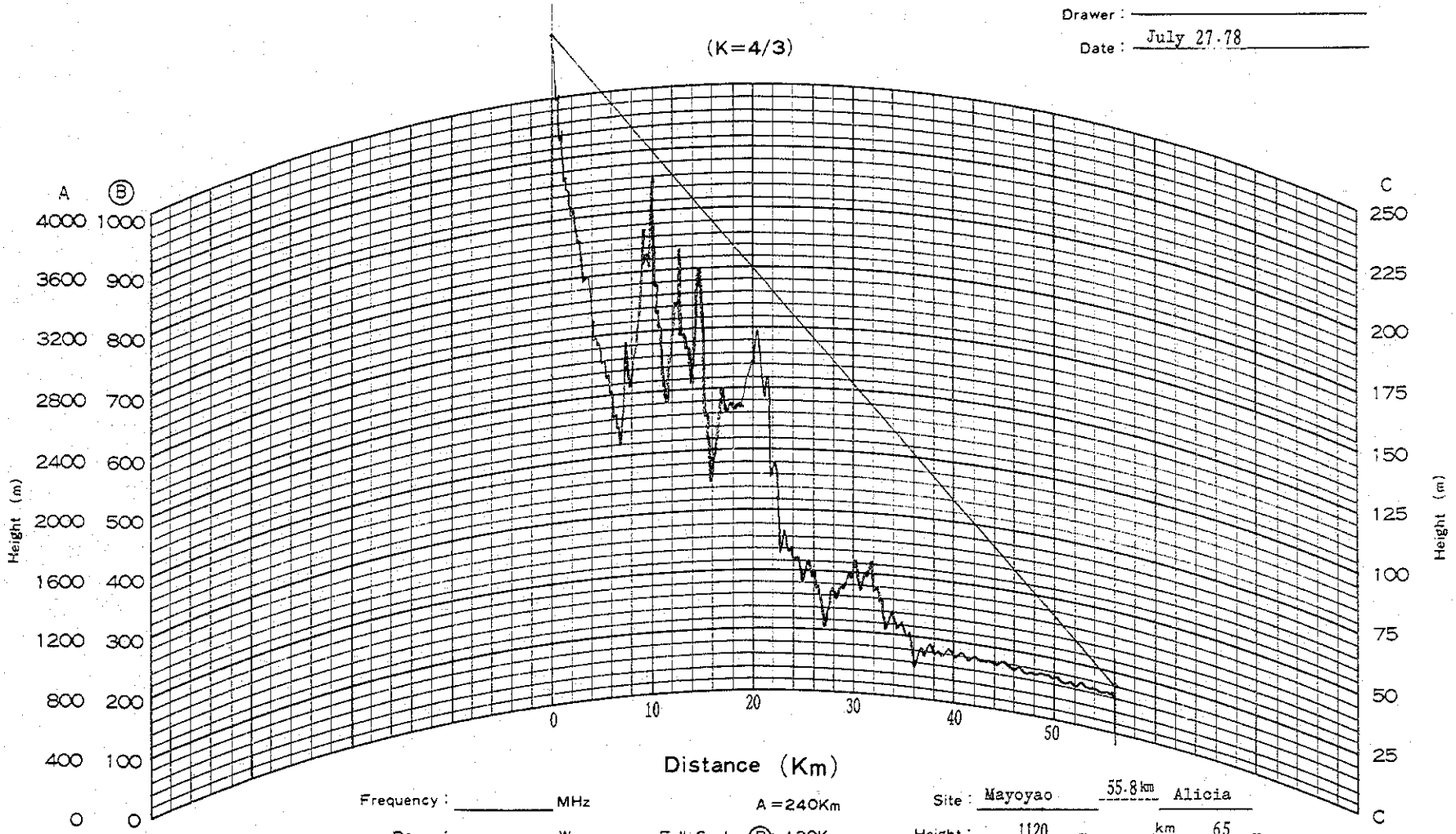
No. : Fig Ⅷ－2－2－103

Drawer : _____

Date : July 27.78

PATH PROFILE

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A = 240Km

Full Scale (B) = 120Km

C = 60Km

Site : Mayoyao 55.8km Alicia

Height : 1120 m _____ km 65 m

Antenna height : 20 m 20 m

PATH PROFILE

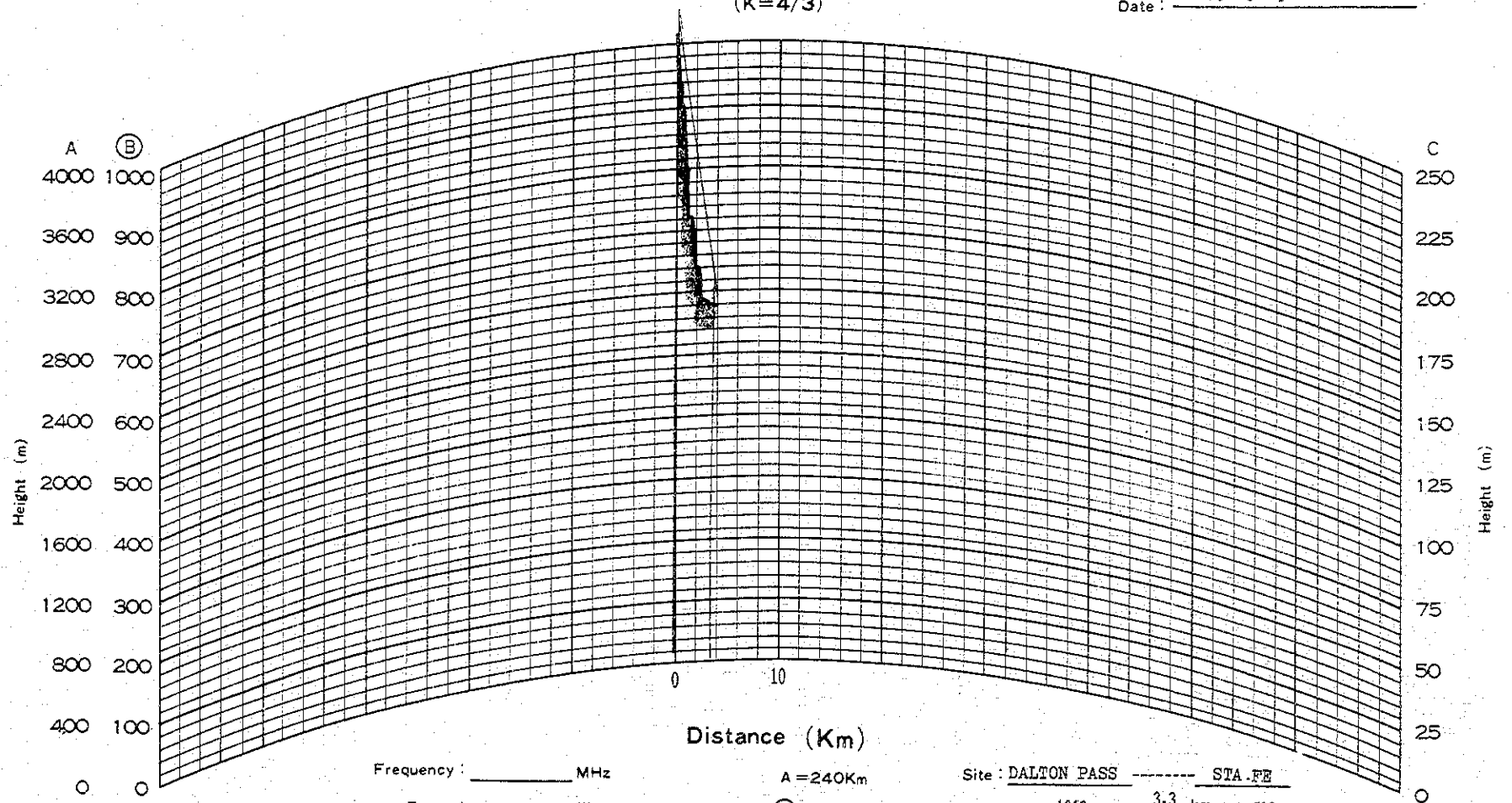
Name of Route : _____

No. : Fig Ⅷ－2－2－104

Drawer : _____

Date : 78. 5. 4

(K=4/3)



Frequency : _____ MHz

Power : _____ W

A =240Km

Full Scale (B)=120Km

C = 60Km

Site : DALTON PASS -------- STA.FE

Height : 1018 m 3.3 km 580 m

Antenna height : 20 m 20 m

2-3 Multiplex and PCM Equipment

Multiplex and PCM equipment necessary for this project are planned on the basis of various standards and design principles.

Circuits between switching centers are planned including toll telephone circuits, telegraph circuits, and protection circuits. The numbers of circuits planned are given in Table VIII-2-3-1.

The number of circuits between primary centers and end offices is obtained by adding one (for protection use) to the number of circuits obtained in the part on trunk estimation.

Details of carrier telephone circuits thus designed are shown in Figs. VIII-2-3-1 ∿ VIII-2-3-21.

Figs. VIII-2-3-1 ∿ VIII-2-3-10 show block diagrams of the circuits to be established in Phase I and Figs. VIII-2-3-11 ∿ VIII-2-3-21 shows block diagrams of circuits to be established by completion of Phase II. The number of channel units of channel translating equipment are planned to be equal to multiples of 3. For stations at which equipment installation will be performed in Phase 2, all multiplex equipment are planned to be able to meet the telephone demand by 1990. As a result, the number of channel translating equipment at one terminal station may be different from that at the other terminal. The total amount of multiplex equipment and PCM equipment is about 1560 channels by Phase 1 and about 1470 channels by Phase 2.

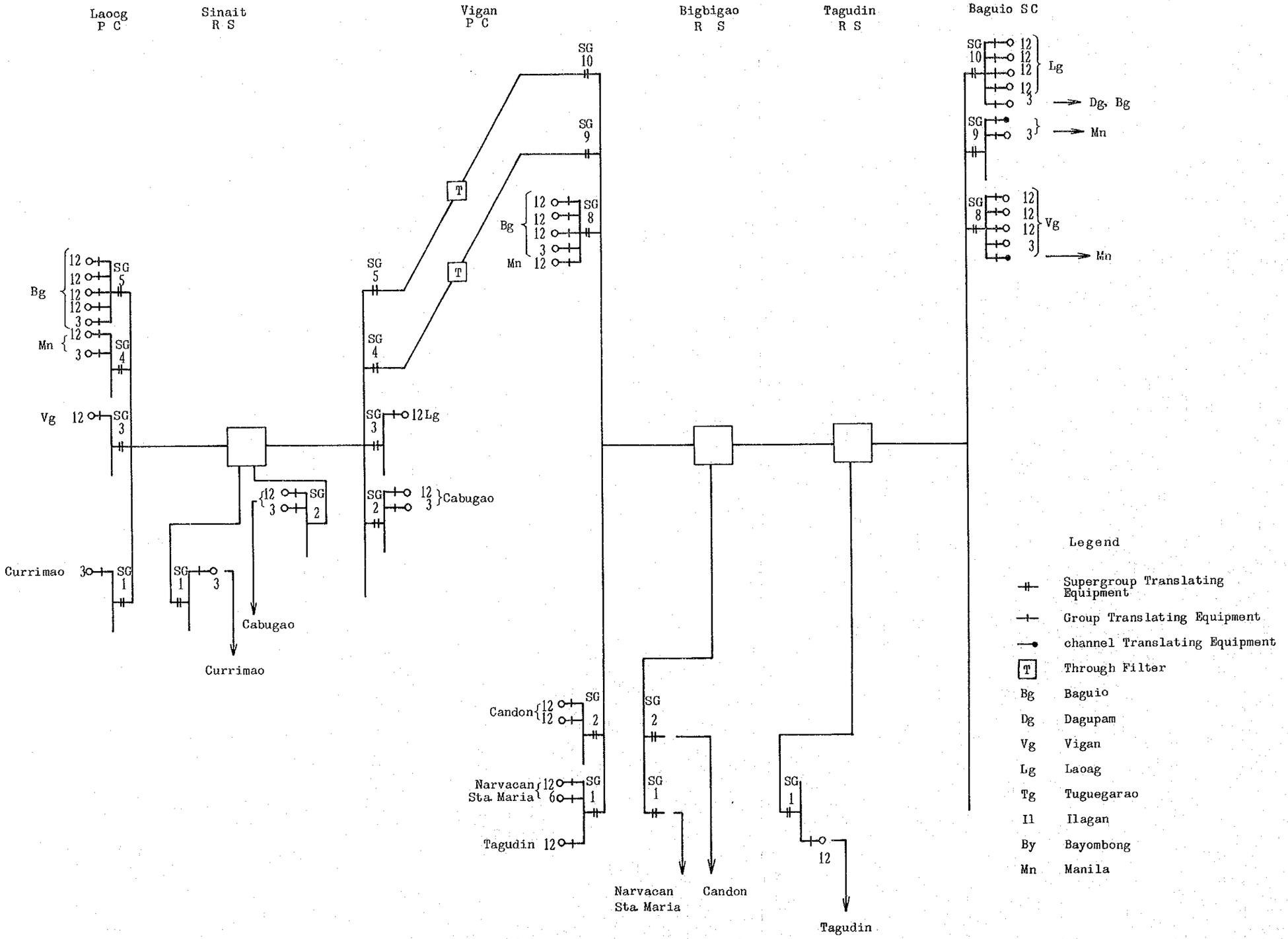
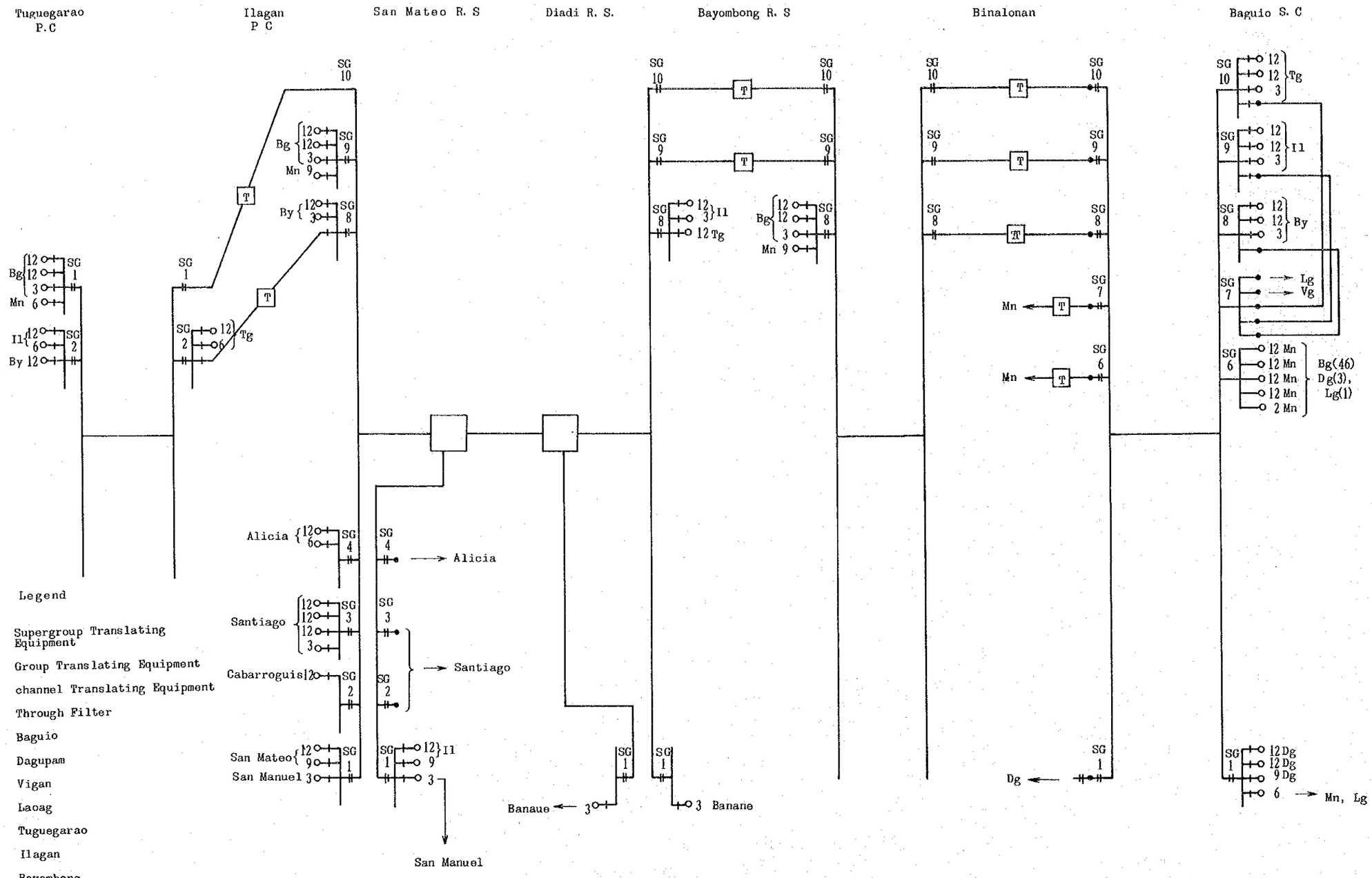


Fig. Ⅶ-2-3-1 Trunk Route Network Block Diagram 1 (phase 1)



VⅢ—2—3—2 Trunk Route Network Block Diagram 2 (phase 1)

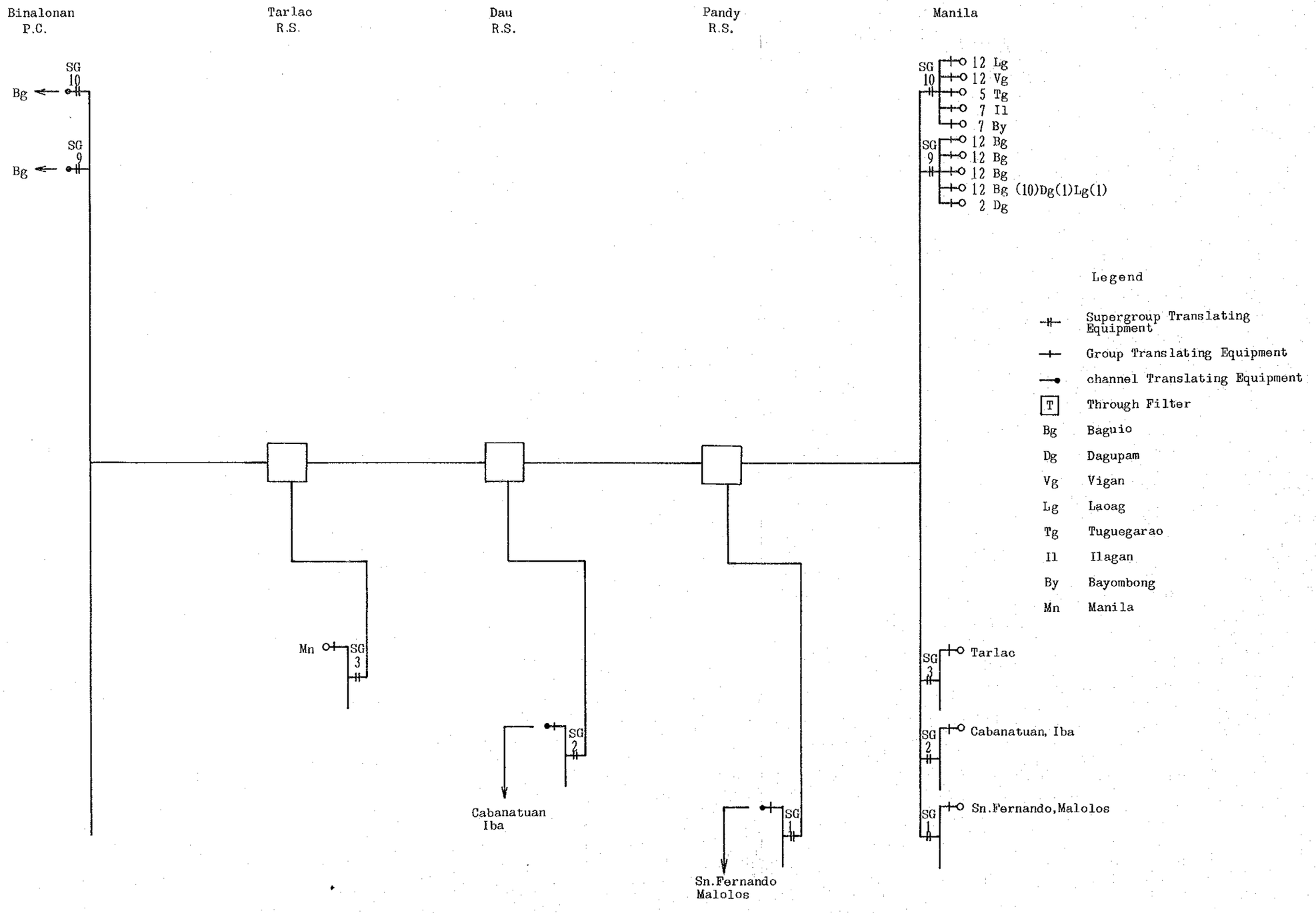


Fig. VM-2-3-3 Trunk Route Network Block Diagram 3 (phase 1)

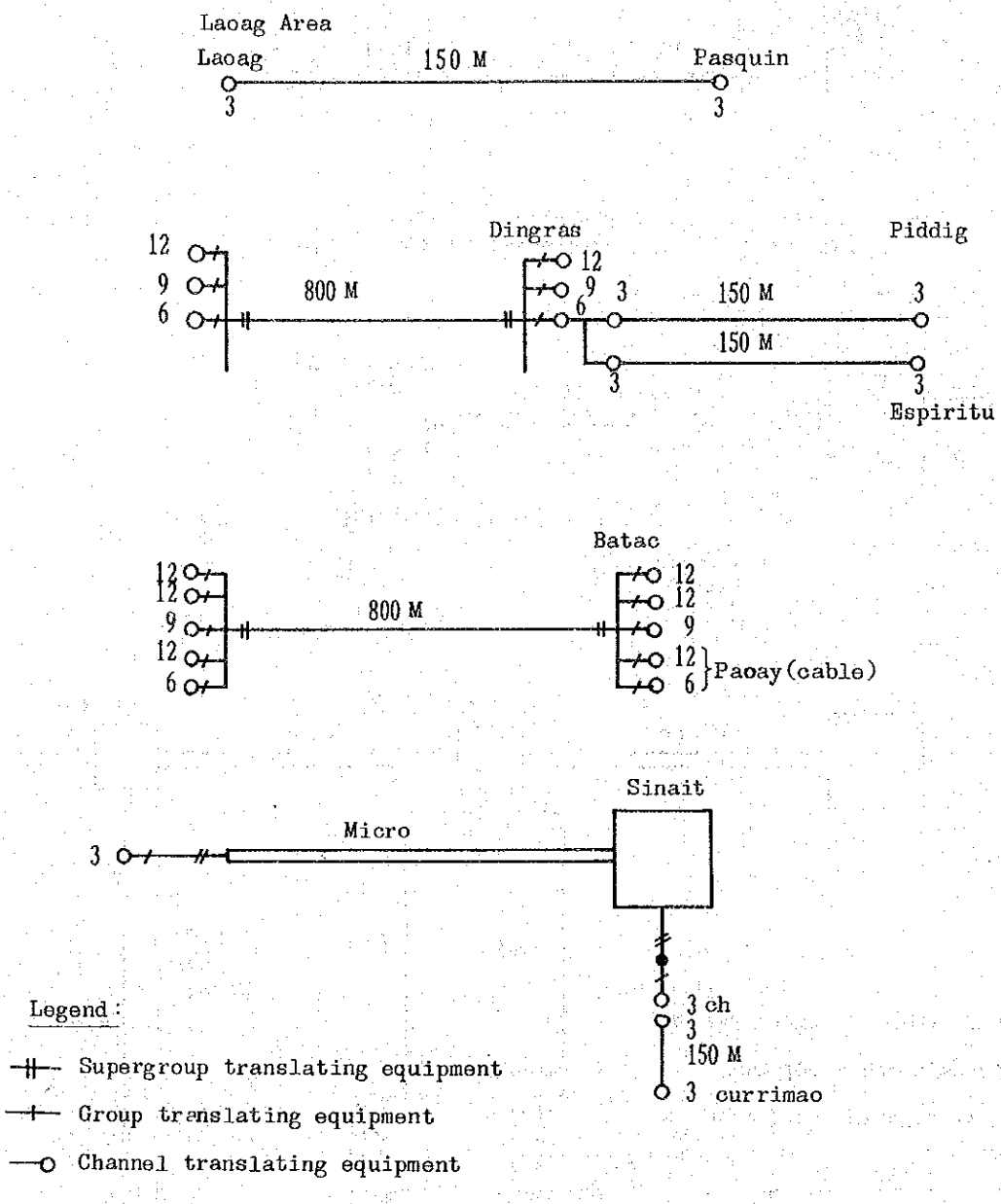


Fig.VIII-2-3-4 Spur Routes in Laoag Area, Block Diagram(Phase 1)

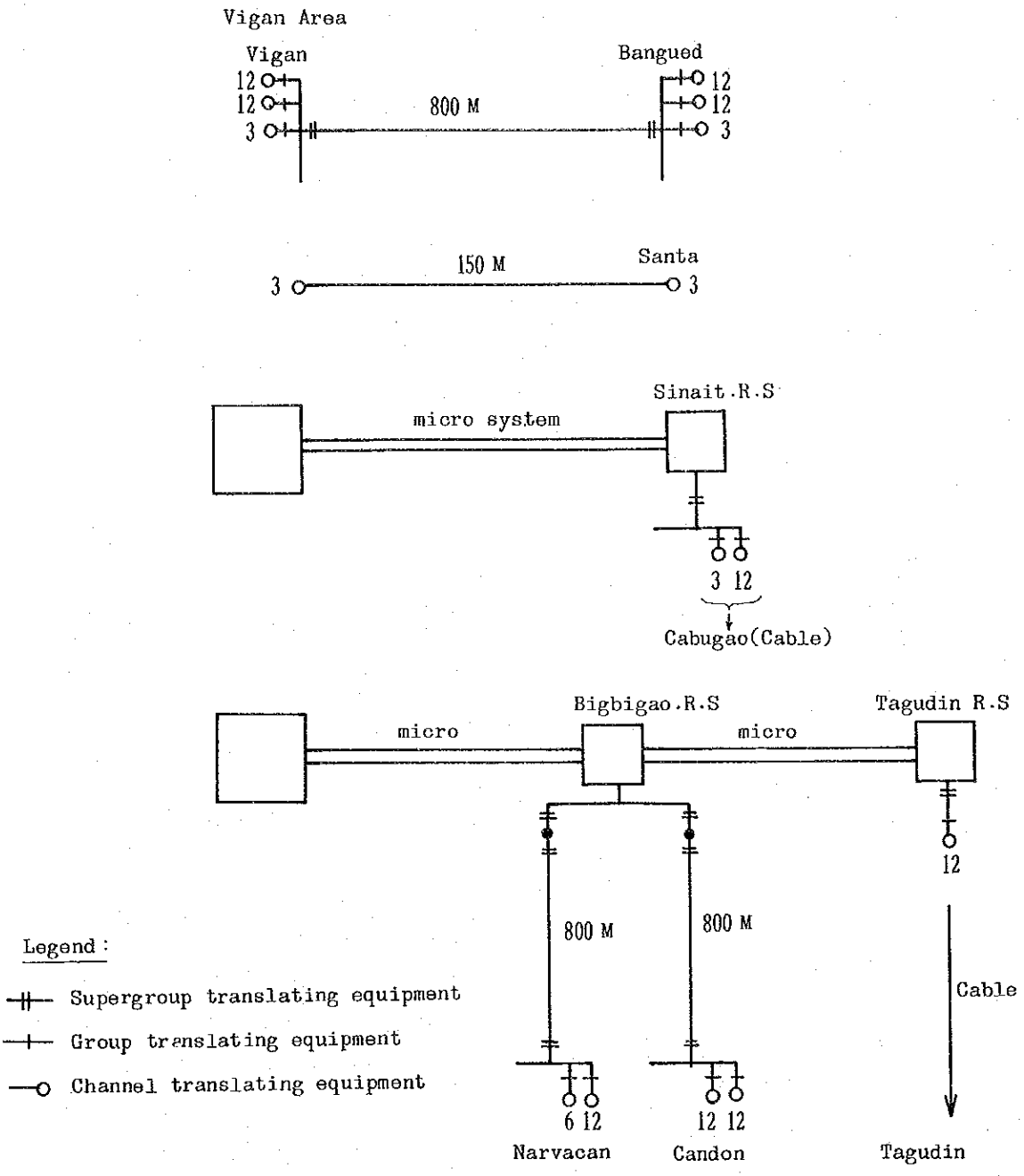


Fig. VIII-2-3-5 Spur Routes in Vigan Area, Block Diagram (Phase 1)

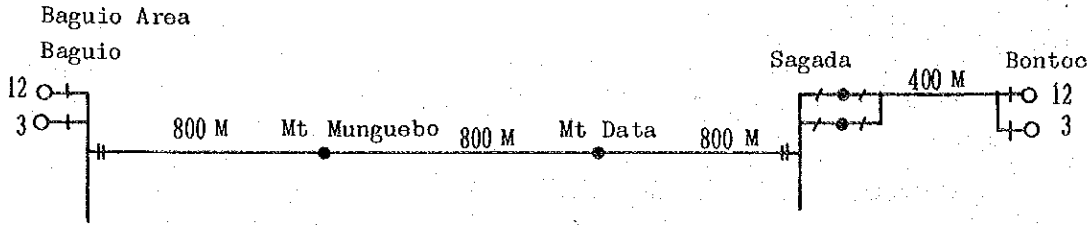
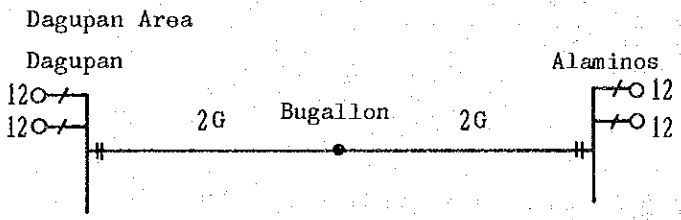


Fig. VIII-2-3-6 Spur Routes in Baguio Area, Block Diagram(Phase 1)

Legend :

- Supergroup translating equipment
- Group translating equipment
- Channel translating equipment



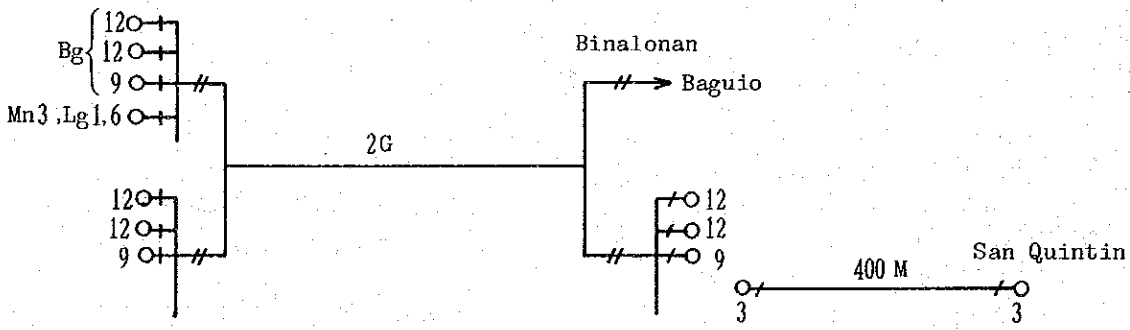


Fig. VIII-2-3-7 Spur Routes in Dagupan Area, Block Diagram (Phase 1)

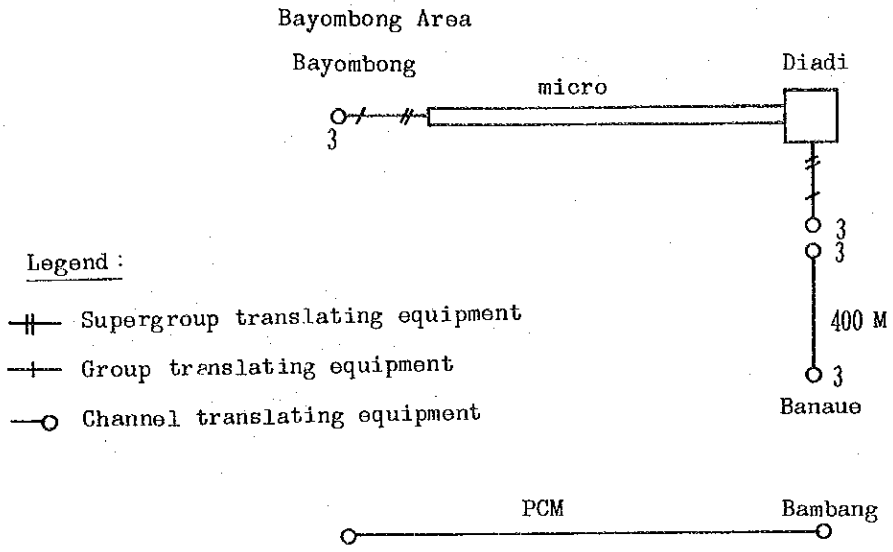
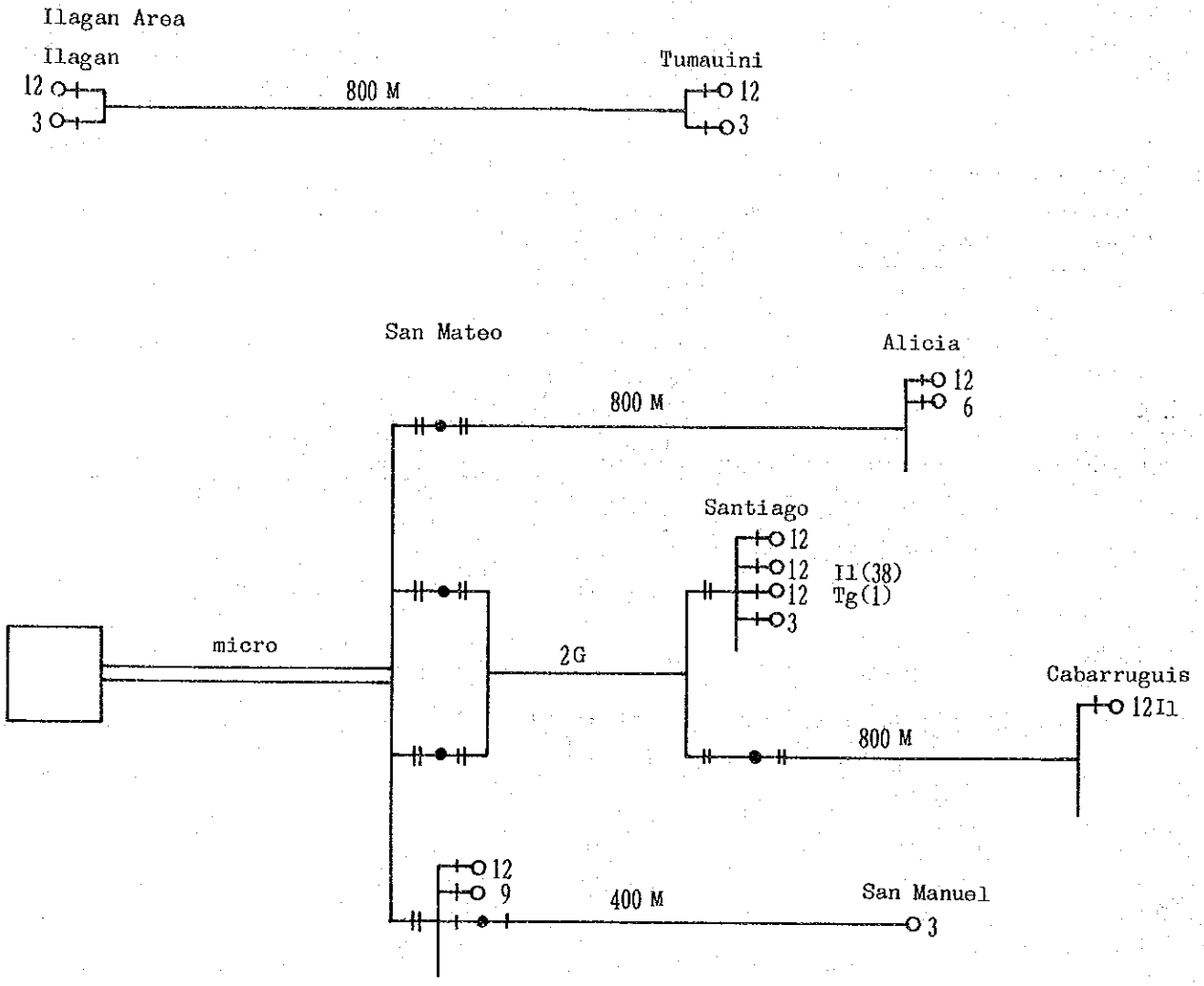


Fig.VIII−2−3−8 Spur Routes in Bayombong Area, Block Diagram (Phase 1)



Legend :

- Supergroup translating equipment
- Group translating equipment
- Channel translating equipment

Fig.VIII-2-3-9 Spur Routes in Ilagan Area, Block Diagram (Phase 1)

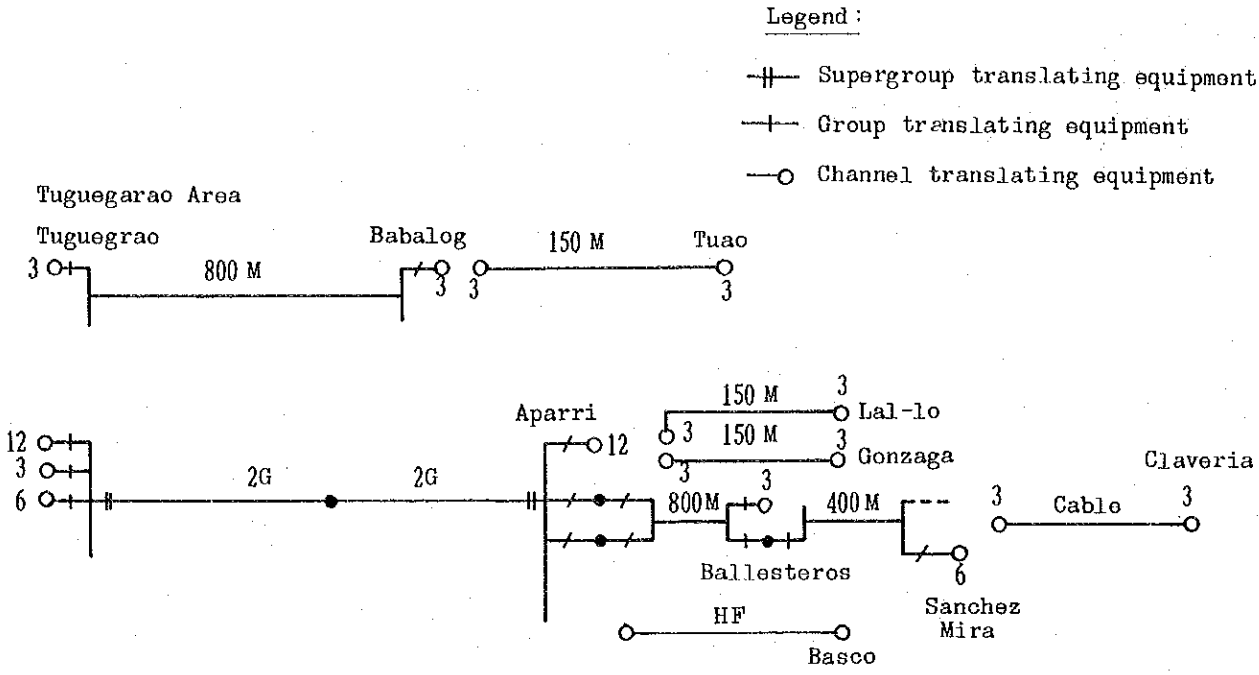
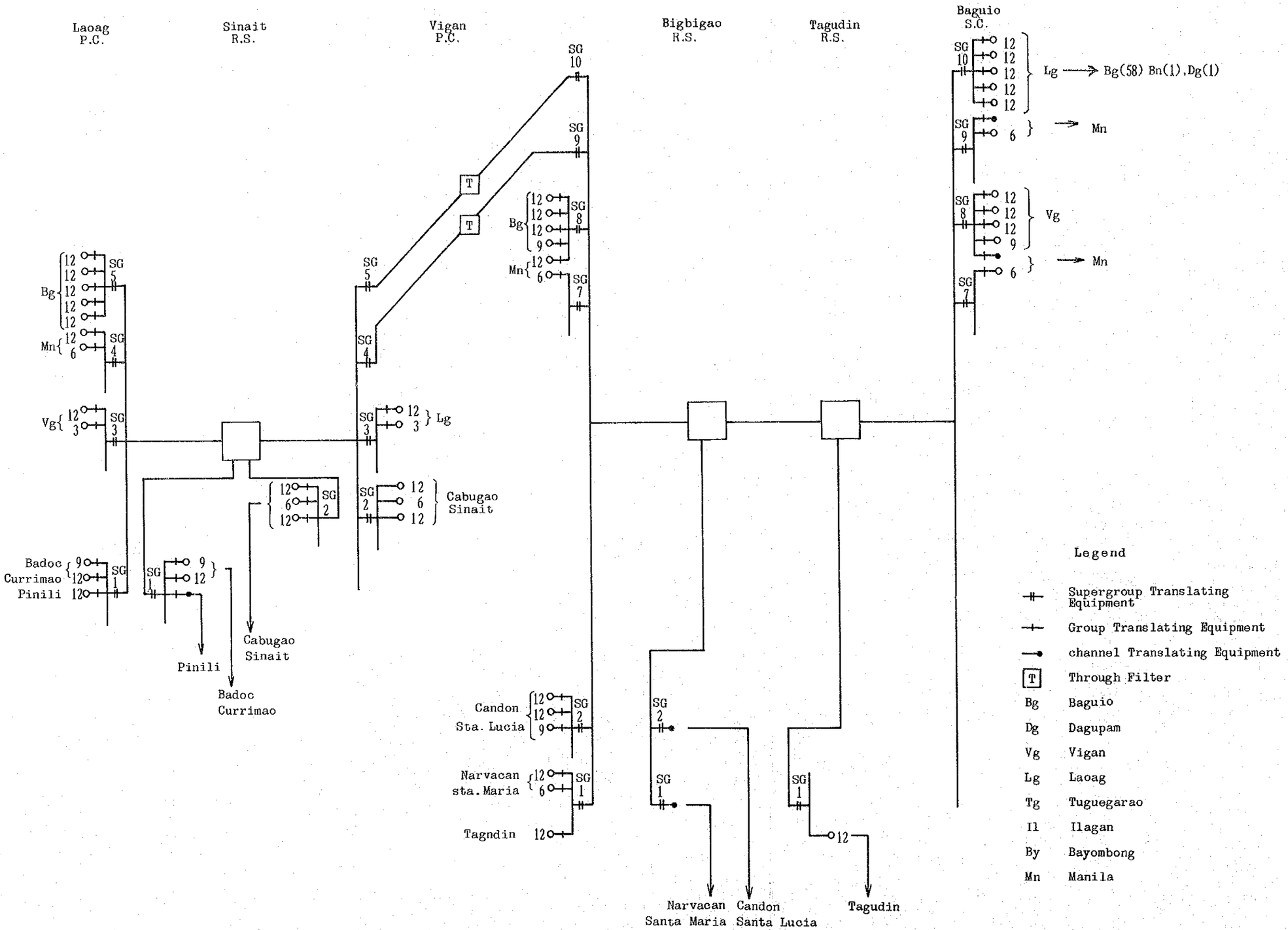
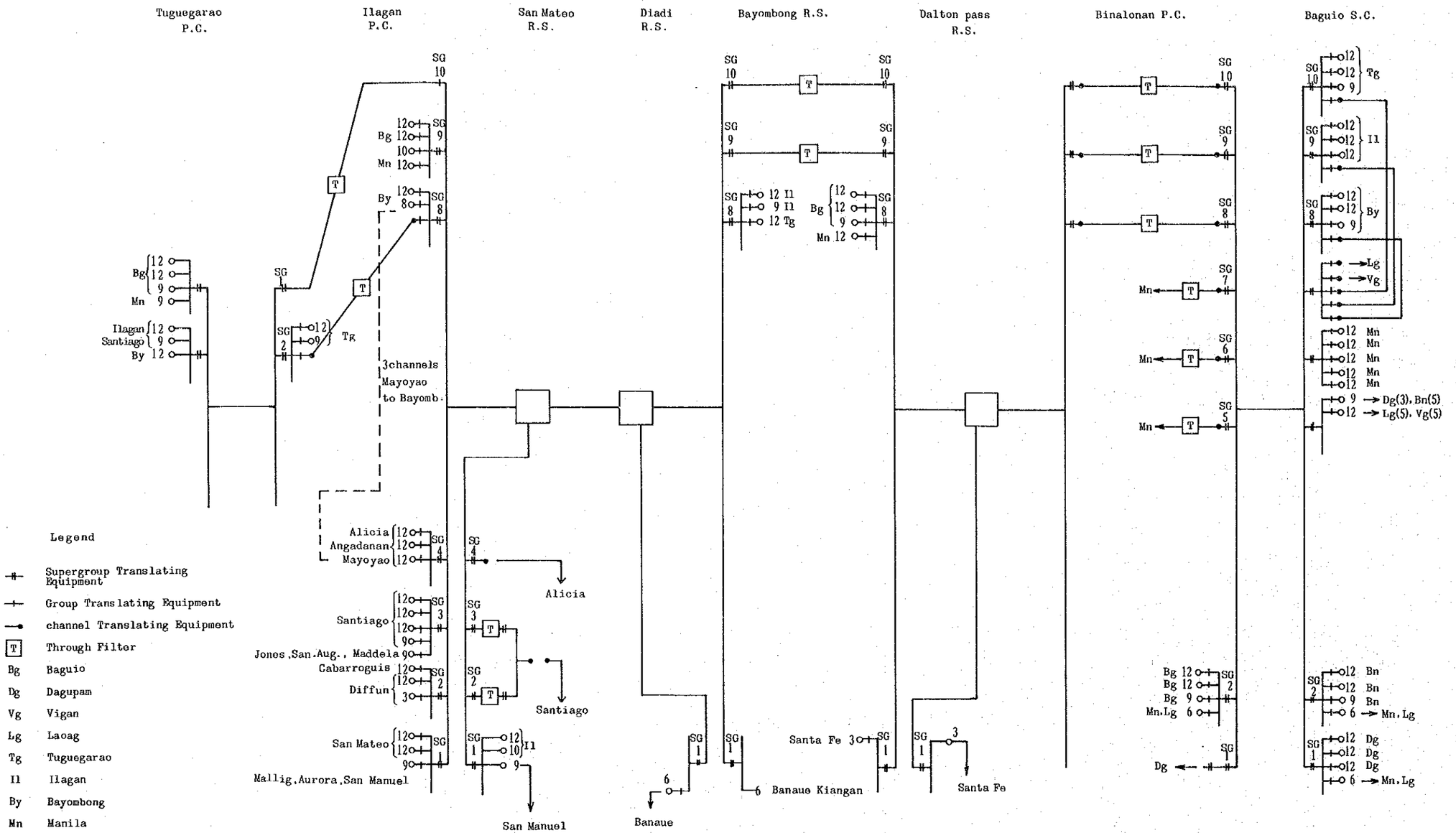


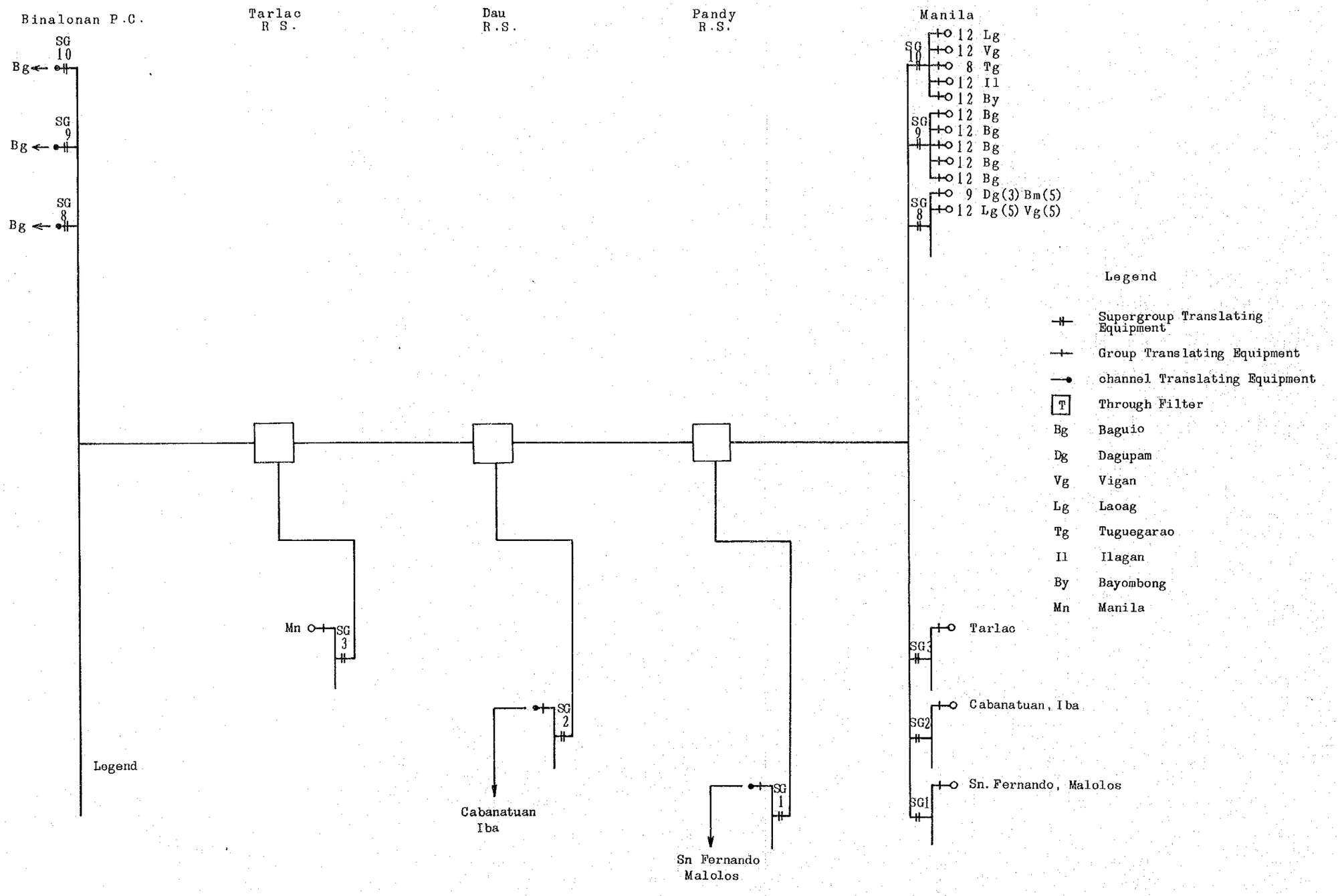
Fig. VIII-2-3-10 Spur Routes in Tuguegarao Area, Block Diagram (Phase 1)



Ⅷ-2-3-11 Trunk Route Network Block Diagram 1 (By Implementation nf phase 2)



Ⅷ—2—3—12 Trunk Route Network Block Diagram 2 (By Implementation of Phase 2)



Ⅷ-2-3-13 Trunk Route Network Block Diagram 3 (By Implementation of phase 2)

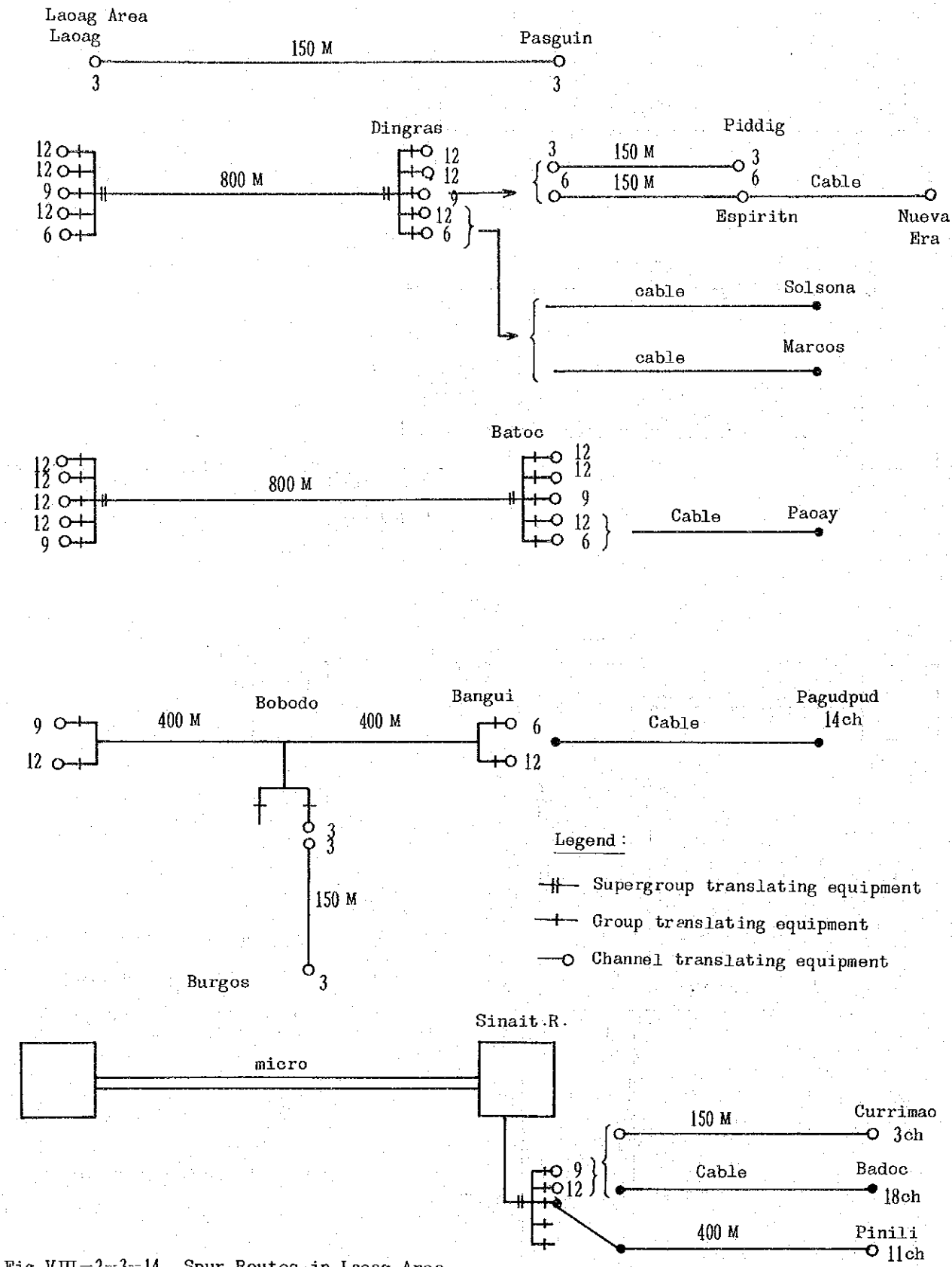


Fig.VIII-2-3-14 Spur Routes in Laoag Area, Block Diagram (By Implementation of Phase 2)

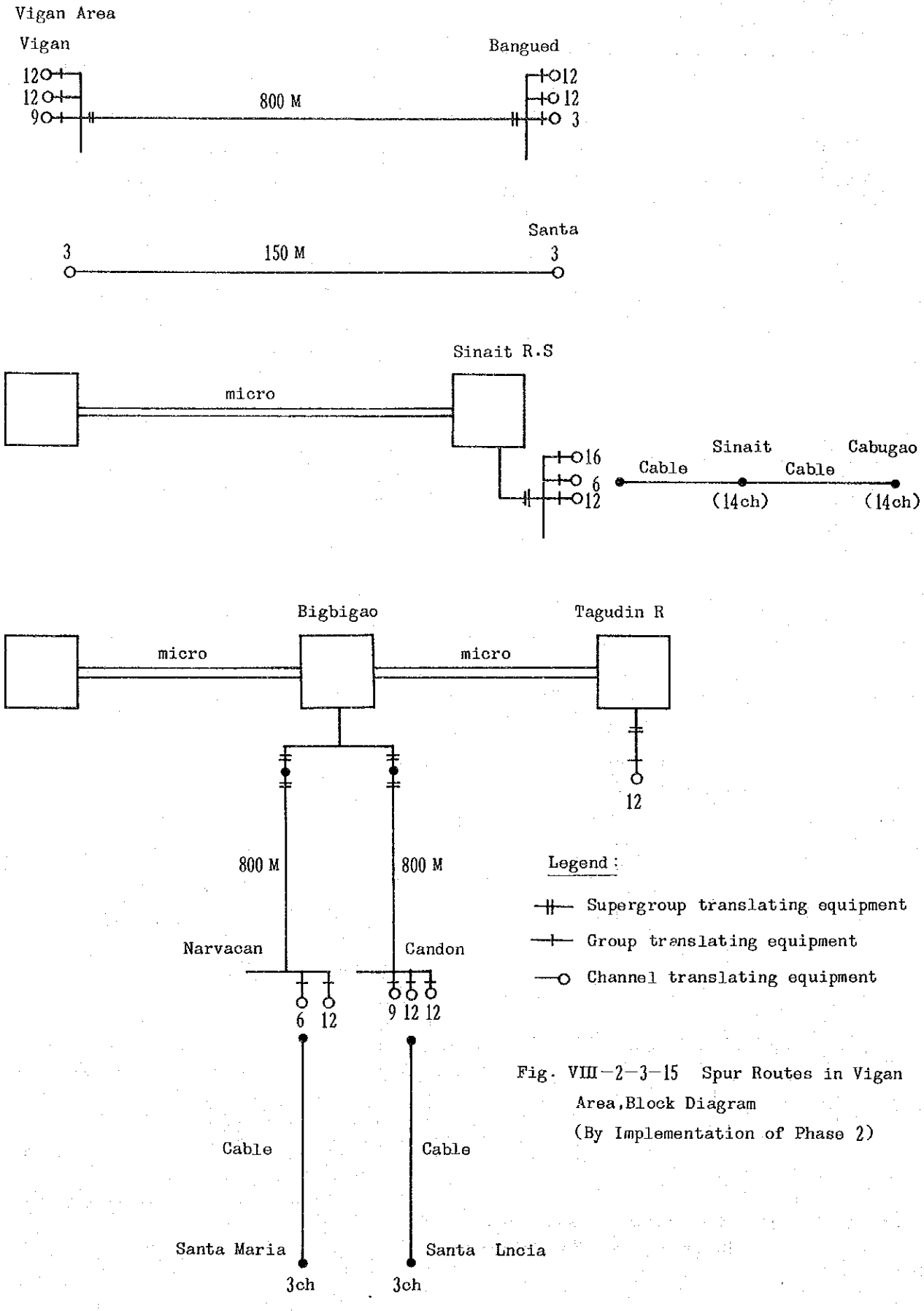


Fig. VIII−2−3−15 Spur Routes in Vigan Area, Block Diagram (By Implementation of Phase 2)

Baguio Area

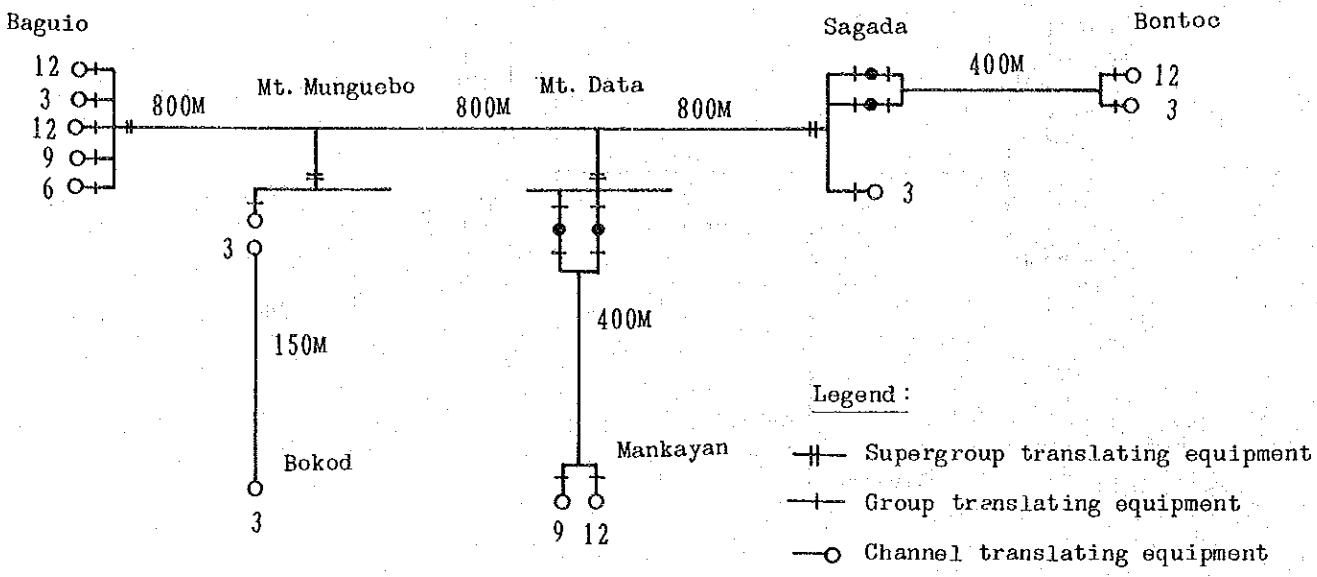


Fig. VIII-2-3-16 Spur Routes in Baguio Area,
Block Diagram (By Implementatio in of Phase 2)

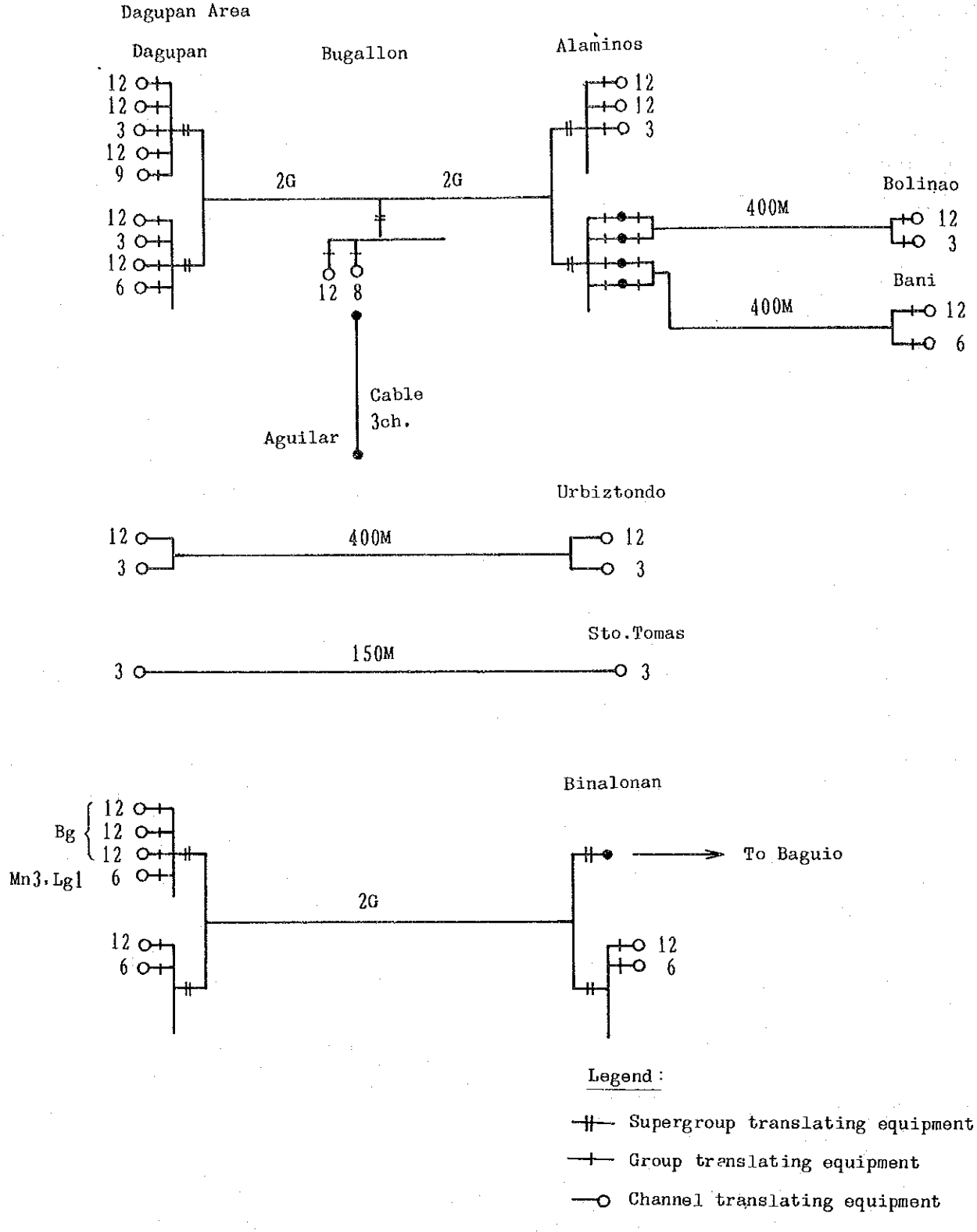


Fig. VIII-2-3-17 Spur Routes in Dagupan Area, Block Diagram (By Implementation of Phase 2)

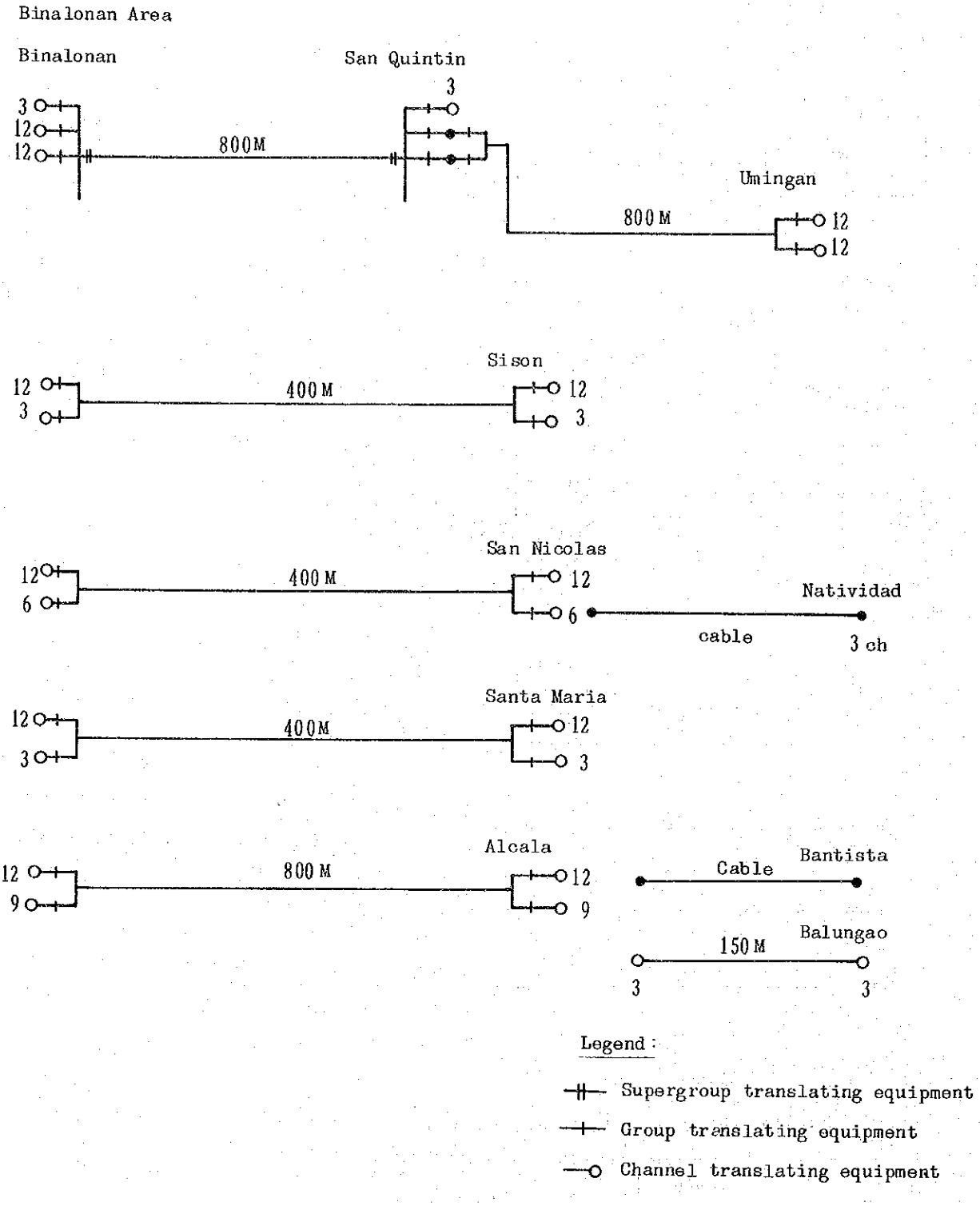


Fig. Ⅷ-2-3-18 Spur Routes in Binalonan Area, Block Diagram (By Implementation of Phase 2)

Bayombong Area

Bayombong

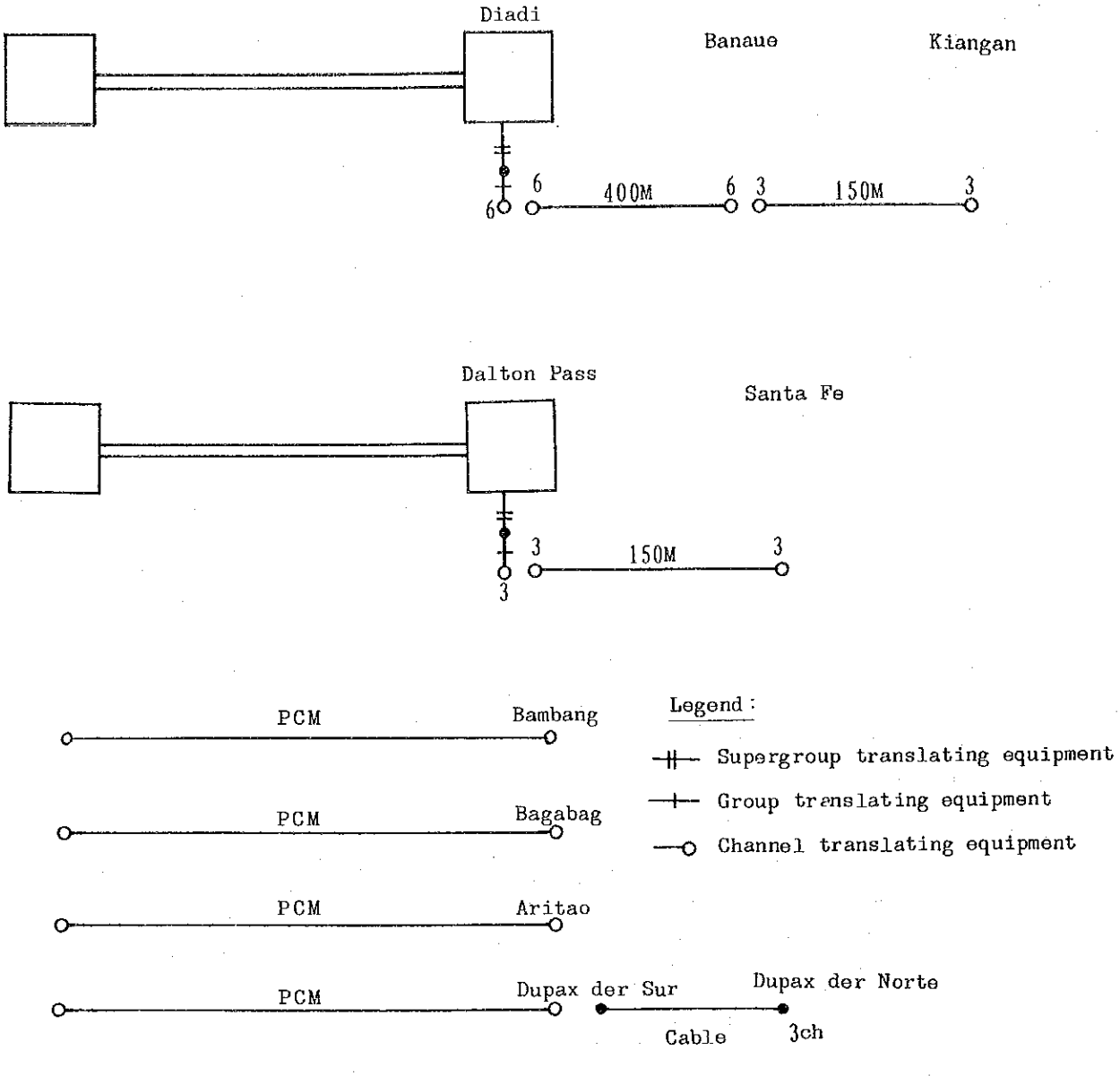


Fig. Ⅷ-2-3-19 Spur Routes in Bayombong Area, Block Diagram (By Implementation of Phase 2)

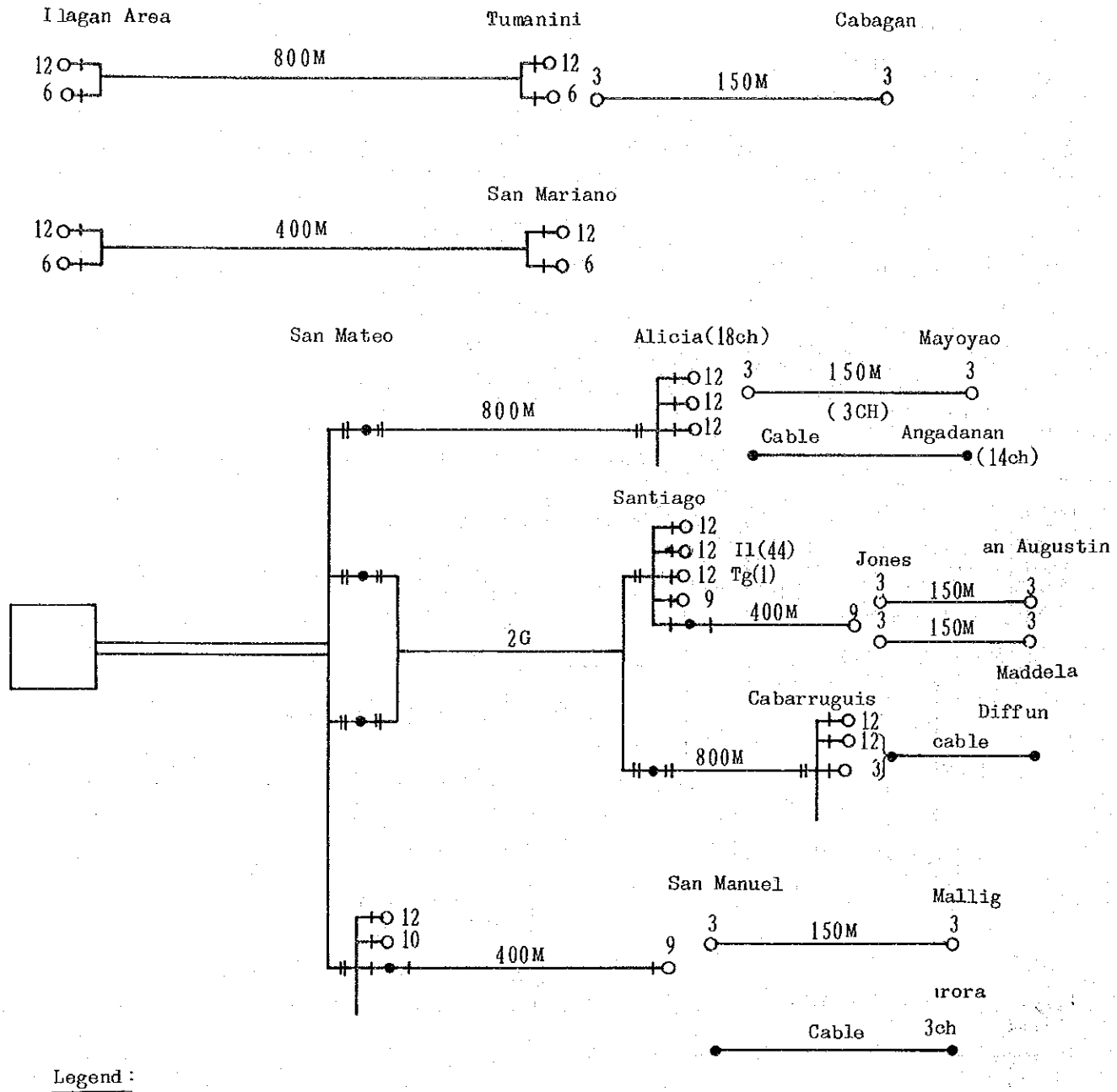


Fig. Ⅷ-2-3-20 Spur Routes in Ilagan Area, Block Diagram (By Implementation of Phase 2)

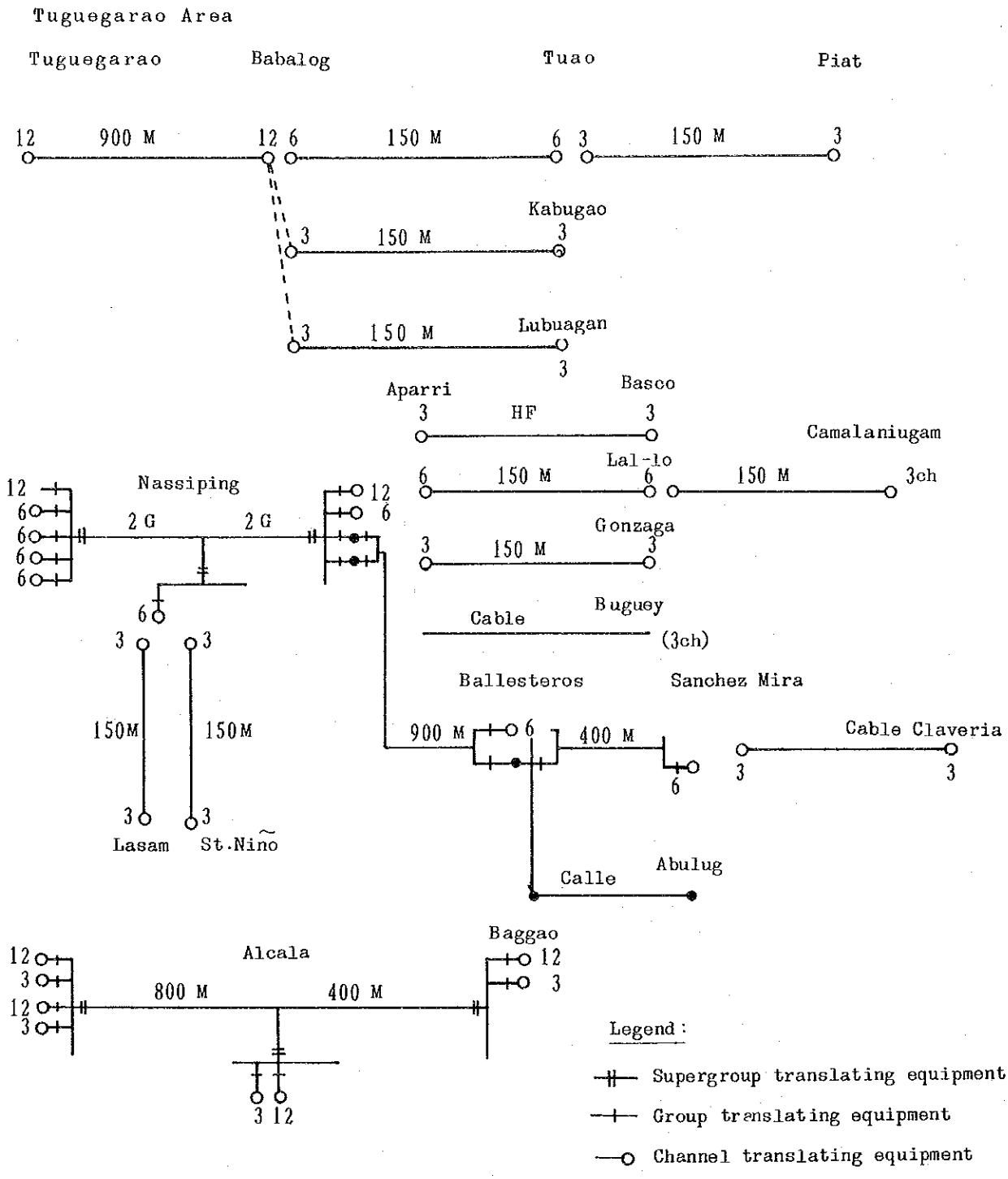


Fig. Ⅷ-2-3-21 Spur Routes in Tuguegarao Area, Block Diagram (By Implementation of Phase 2)