

## Antenna Height Pattern (DAGUPAN Station)

Measured Station : DAGUPAN  
 Measured Date : 21 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	DAGUPAN	BAGUIO RADAR
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.1 W	Pf: 24 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	036 °	216 °

### 2. Measured Result ( BAGUIO RADAR Transmit → DAGUPAN Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
64	67	69	70	71	72	72	72	71	70	68

(unit: dBμ)

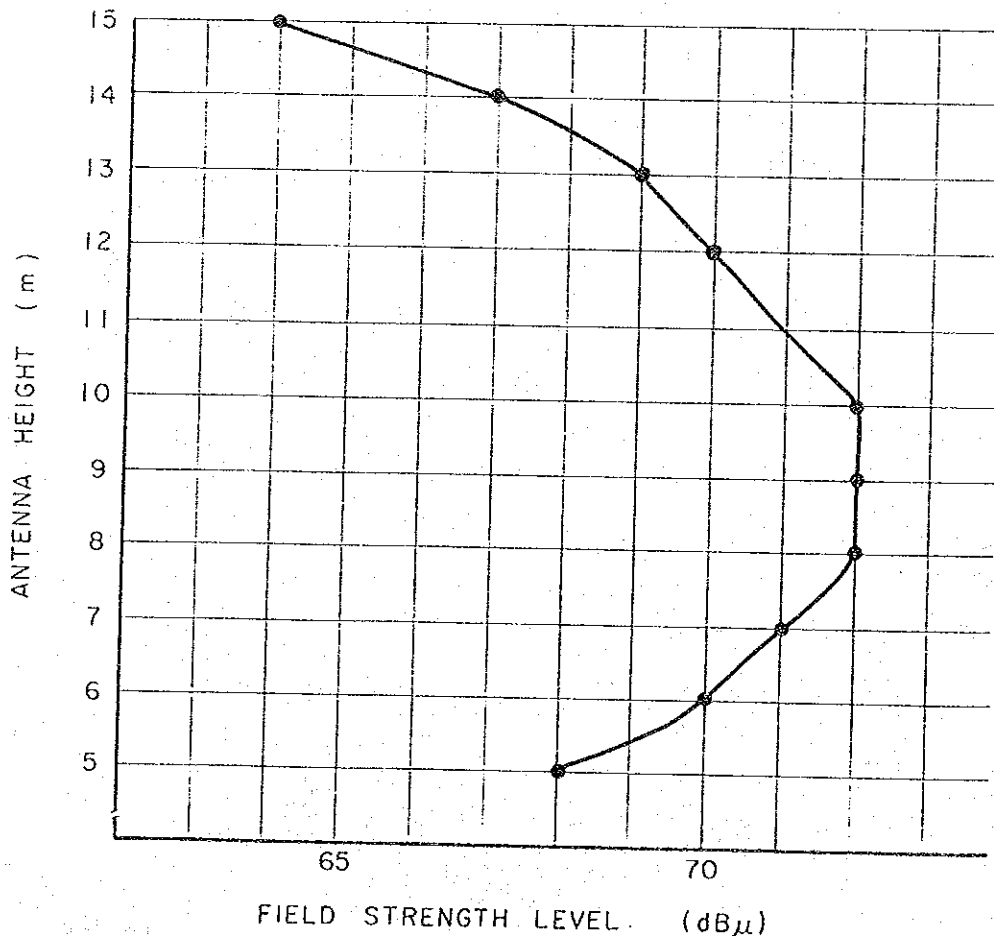


Fig. A.9 (1/36)

(RF Input Level)

## Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
 Measured Date : 21 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	BAGUIO RADAR	DAGUPAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24 W Pr: 0.1 W	Pf: 25 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	216 °	036 °

### 2. Measured Result ( DAGUPAN Transmit → BAGUIO RADAR Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
63.5	65.5	65	62	62.5	64	65.5	65	64	62.5	61

(unit: dBμ)

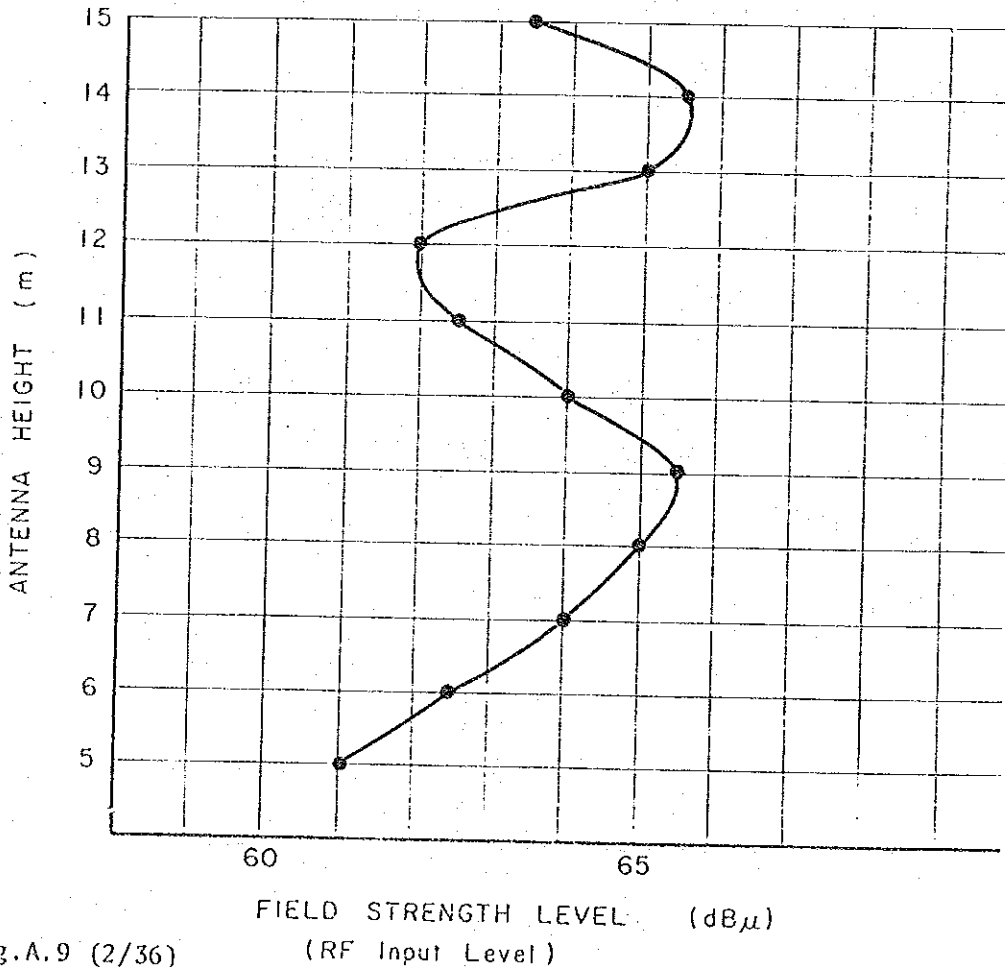


Fig.A.9 (2/36)

## Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
 Measured Date : 21 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	BAGUIO RADAR	DAGUPAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 28 W Pr: 0.8 W	Pf: 25 W Pr: 0.8 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	216 °	036 °

### 2. Measured Result ( DAGUPAN Transmits → BAGUIO RADAR Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
60	62	62	59	58	59	59	61	60	59	57

(unit: dBμ)

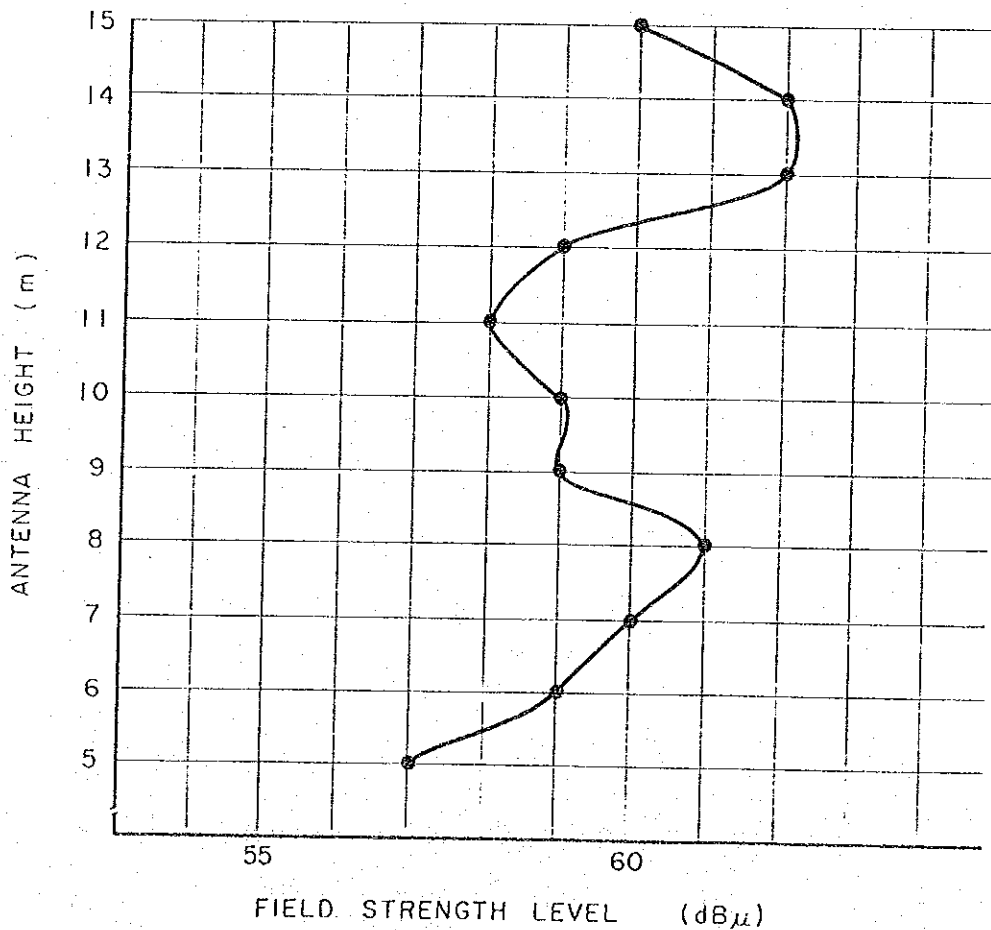


Fig. A.9 (3/36)

(RF Input Level)

## Antenna Height Pattern (DAGUPAN Station)

Measured Station : DAGUPAN  
 Measured Date : 21 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	DAGUPAN	BAGUIO RADAR
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.8 W	Pf: 28 W Pr: 0.8 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	216 °	036 °

### 2. Measured Result ( BAGUIO RADAR → DAGUPAN )

Transmit
Receive

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
61	65	68	69	70	70	71	70	69	68	67

(unit: dBμ)

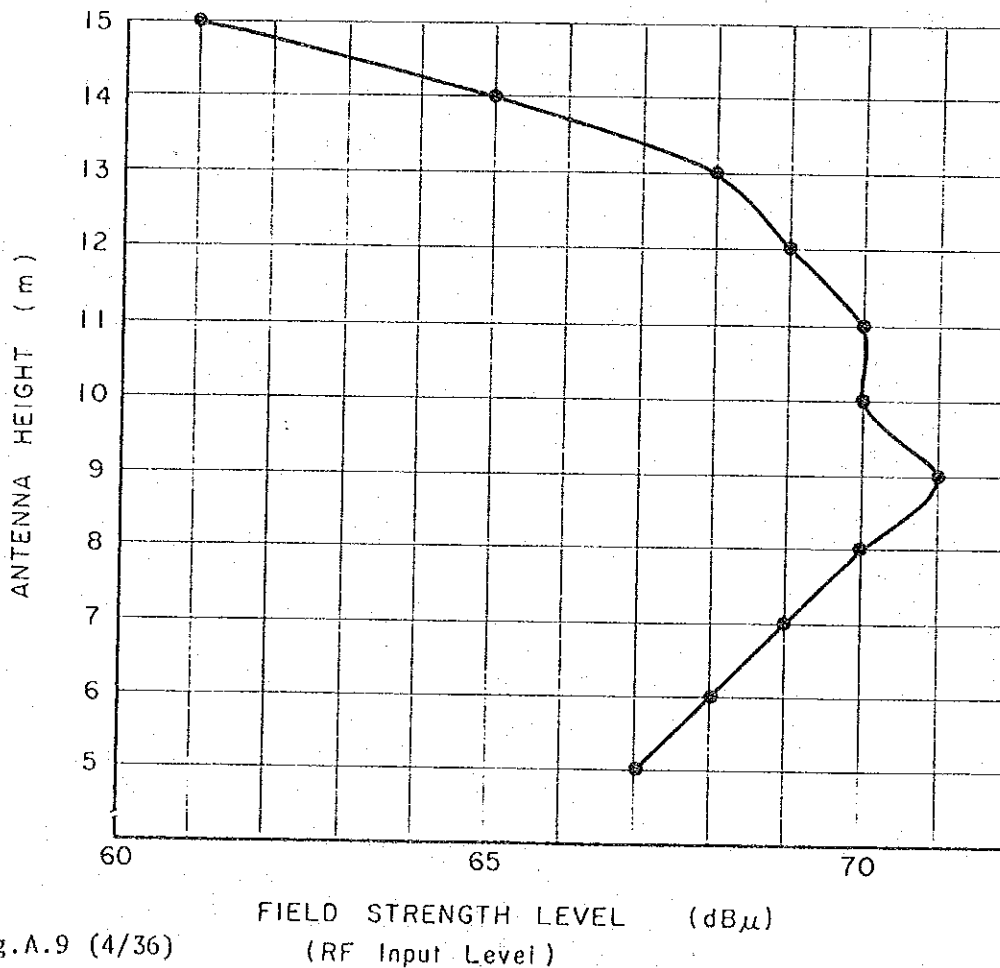


Fig.A.9 (4/36)

## Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
 Measured Date : 23 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	BABUIO RADAR	VIGAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.05 W	Pf: 27 W Pr: 0.3 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	352 °	172 °

### 2. Measured Result ( VIGAN Transmit → BAGUIO RADAR Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
58	58	58.2	57	54	51	55	58	57	51	59

(unit: dBμ)

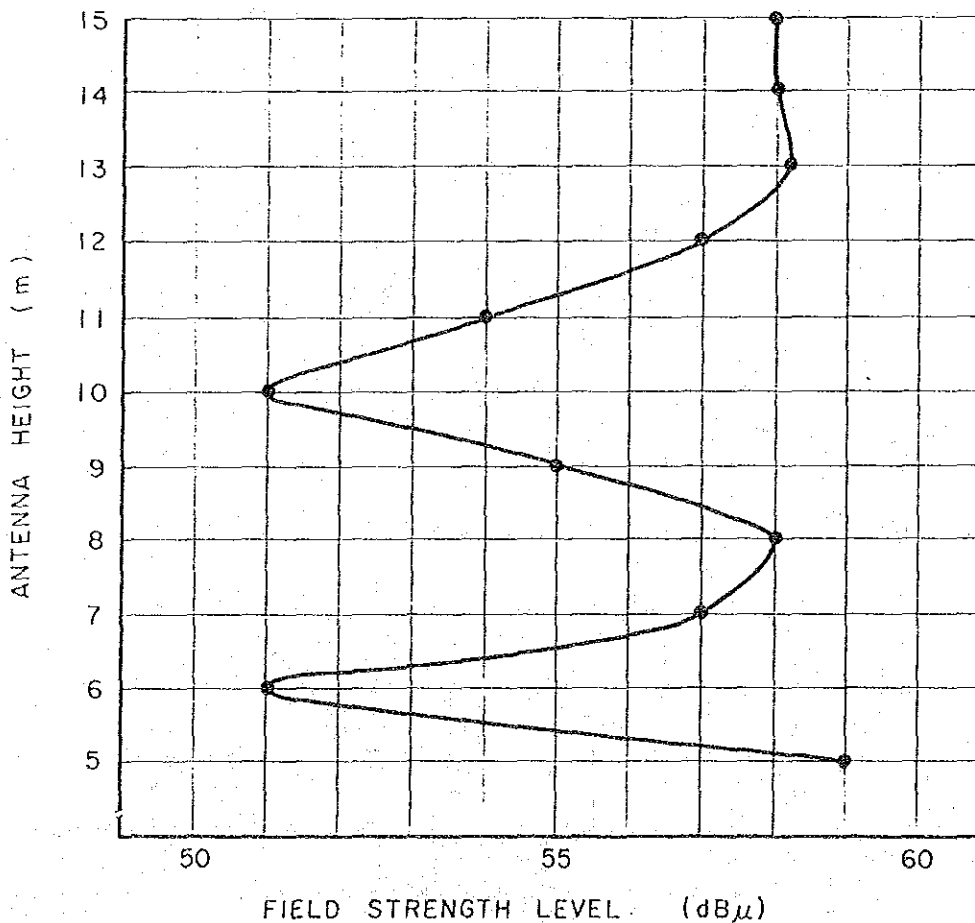


Fig.A.9 (5/36)

(RF Input Level)

## Antenna Height Pattern (VIGAN Station)

Measured Station : VIGAN  
 Measured Date : 23 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	VIGAN	BAGUIO RADAR
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.3 W	Pf: 27 W Pr: 0.05 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	172 °	352 °

### 2. Measured Result ( BAGUIO RADAR Transmit → VIGAN Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
56	56	57	56	54	54	54	52	56	56	52

(unit: dBμ)

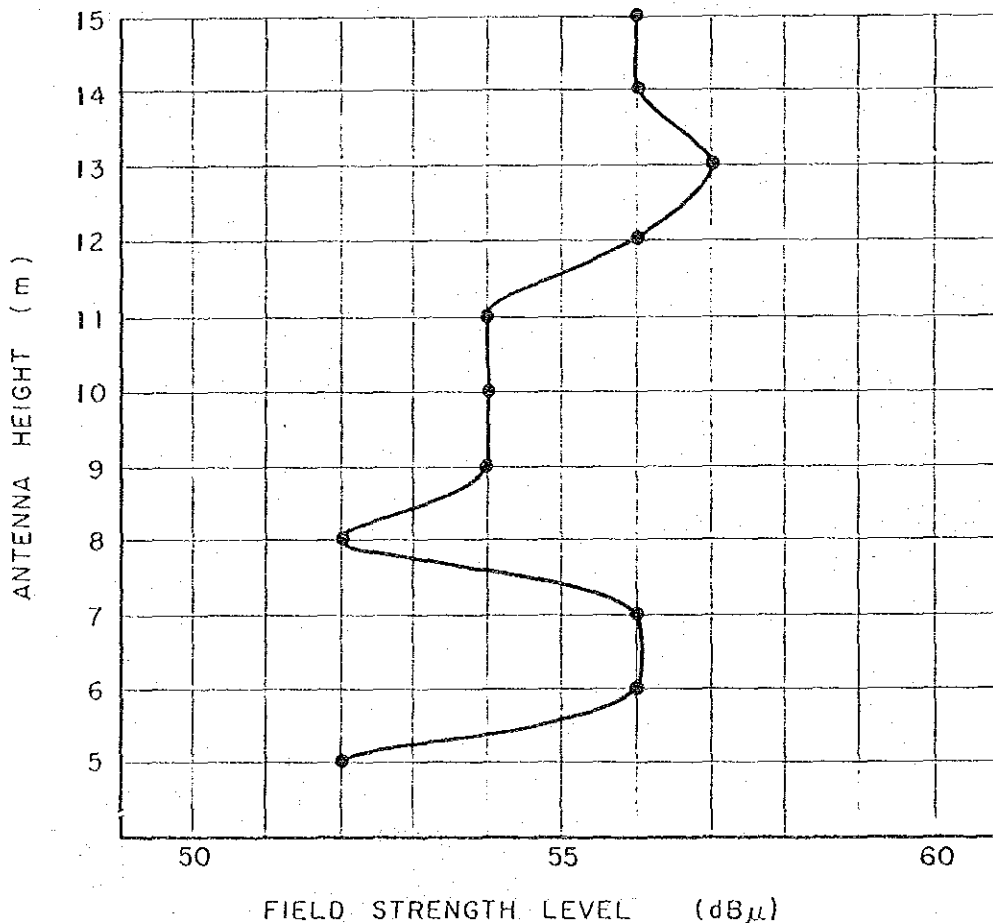


Fig. A.9 (6/36)

(RF Input Level)

## Antenna Height Pattern (VIGAN Station)

Measured Station : VIGAN  
 Measured Date : 23 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	VIGAN	BAGUIO RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 28 W Pr: 0.8 W	Pf: 28 W Pr: 0.8 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	172 °	352 °

### 2. Measured Result ( BAGUIO RADAR Transmit → VIGAN Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
57	56	56	58	56	57	58	56	56	58	56

(unit: dBμ)

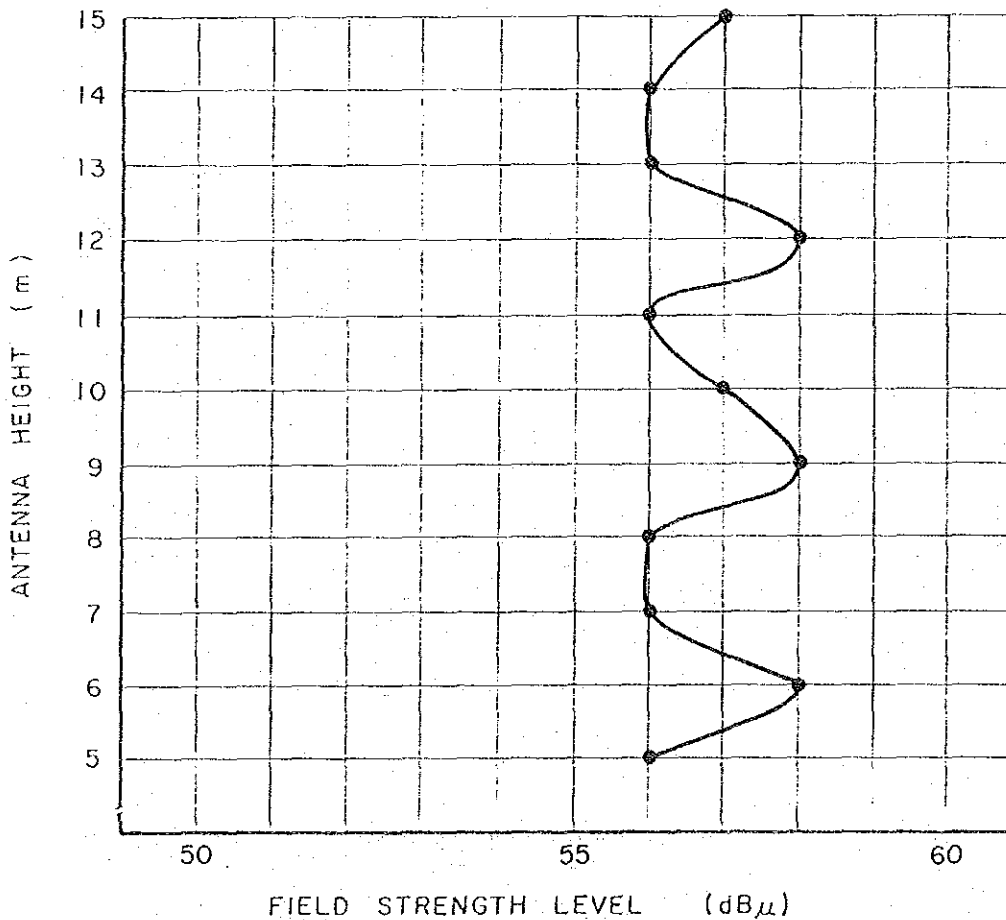


Fig.A.9 (7/36)

(RF Input Level)

## Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
 Measured Date : 23 JAN. '84  
 Weather Condition: FINE

### 1. SETTING TERMS

Station Name	BAGUIO RADAR	VIGAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 28 W Pr: 0.8 W	Pf: 28 W Pr: 0.8 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	352 °	172 °

### 2. MEASURED RESULT ( VIGAN Transmit → BAGUIO RADAR Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
56	56	56.5	56.5	53	50	56	57.5	56.5	51	59

(unit: dBμ)

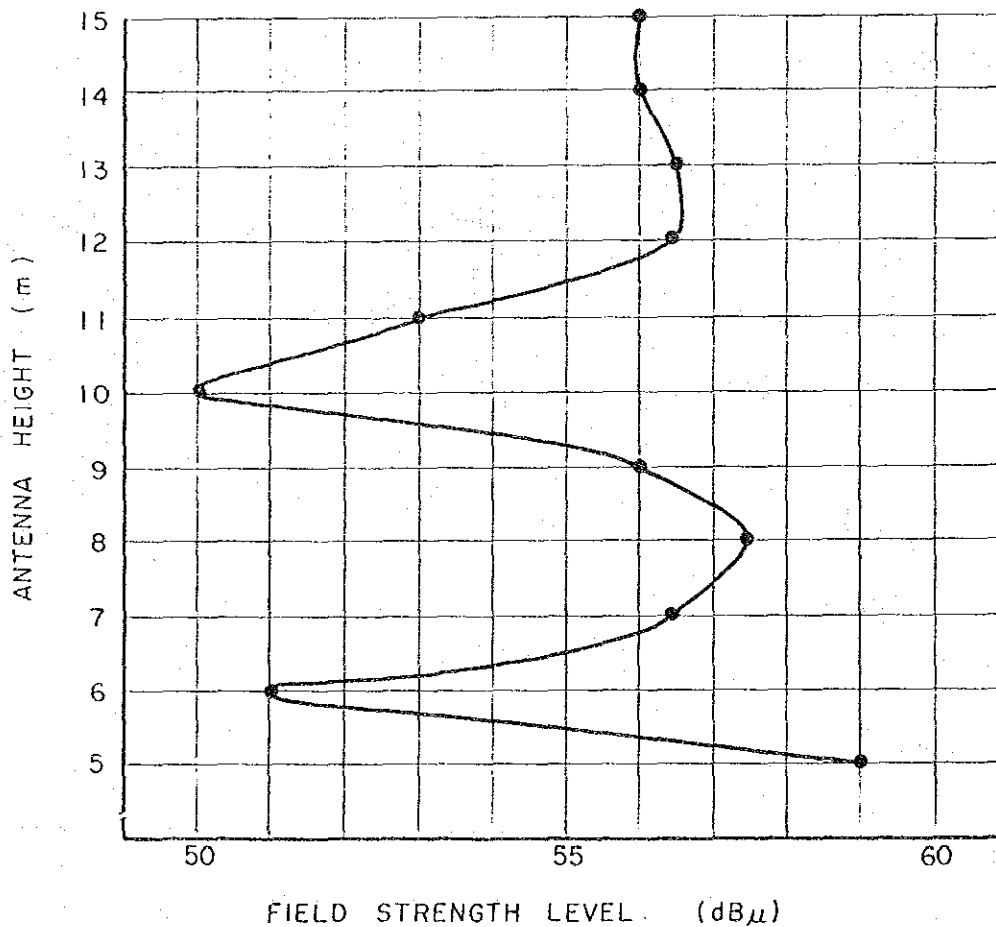


Fig.A.9 (8/36)

(RF Input Level)



### Antenna Height Pattern (LAOAG Station)

Measured Station : LAOAG  
 Measured Date : 24 JAN. '84  
 Weather Condition: FINE

1. Setting Terms

Station Name Item	LAOAG	BAGUIO RADAR
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	179 °	359 °

2. Measured Result ( BAGUIO RADAR → LAOAG )  
 Transmit Receive

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
6	2	2	-	0	3	1	2	1	-	-

(unit: dBμ)

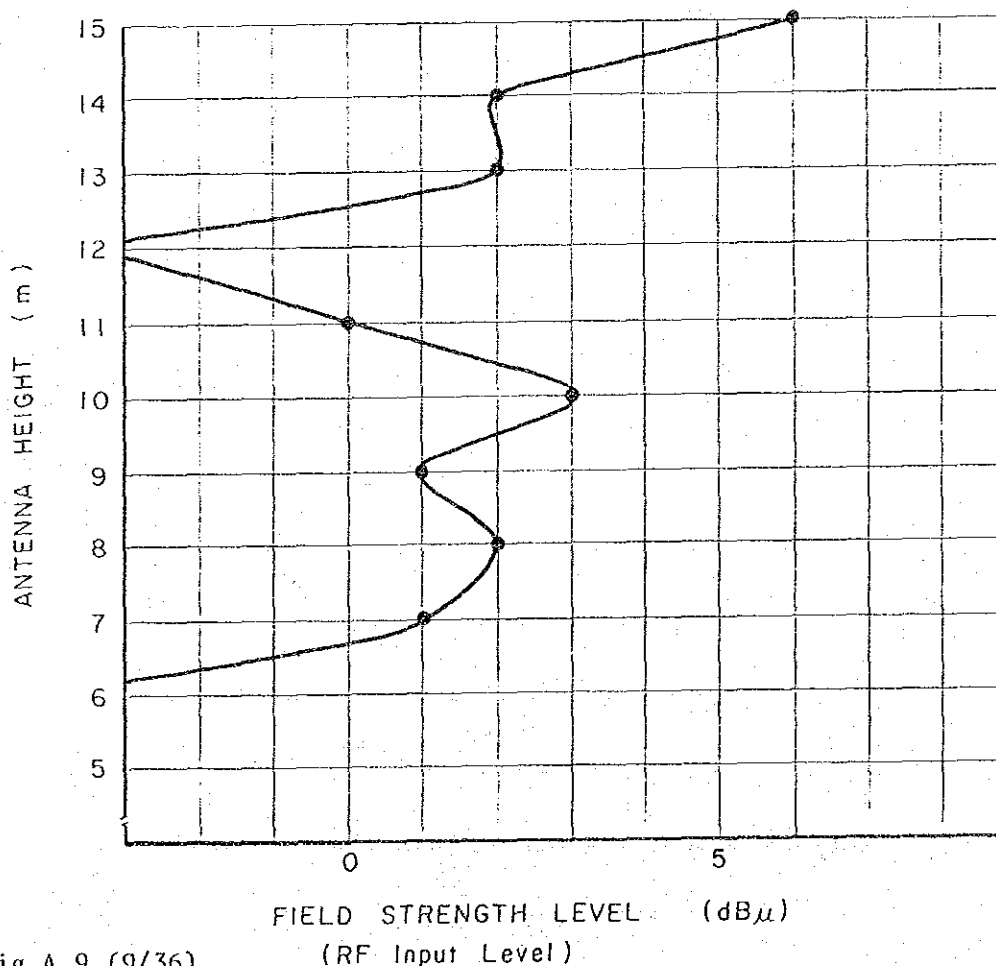


Fig.A.9 (9/36)

## Antenna Height Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
 Measured Date : 24 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	BAGUIO RADAR	LAOAG
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	359 °	179 °

### 2. Measured Result ( LAOAG Transmit → BAGUIO RADAR Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
5	8	7	4	5	8.5	5	4	5	6	6

(unit: dBμ)

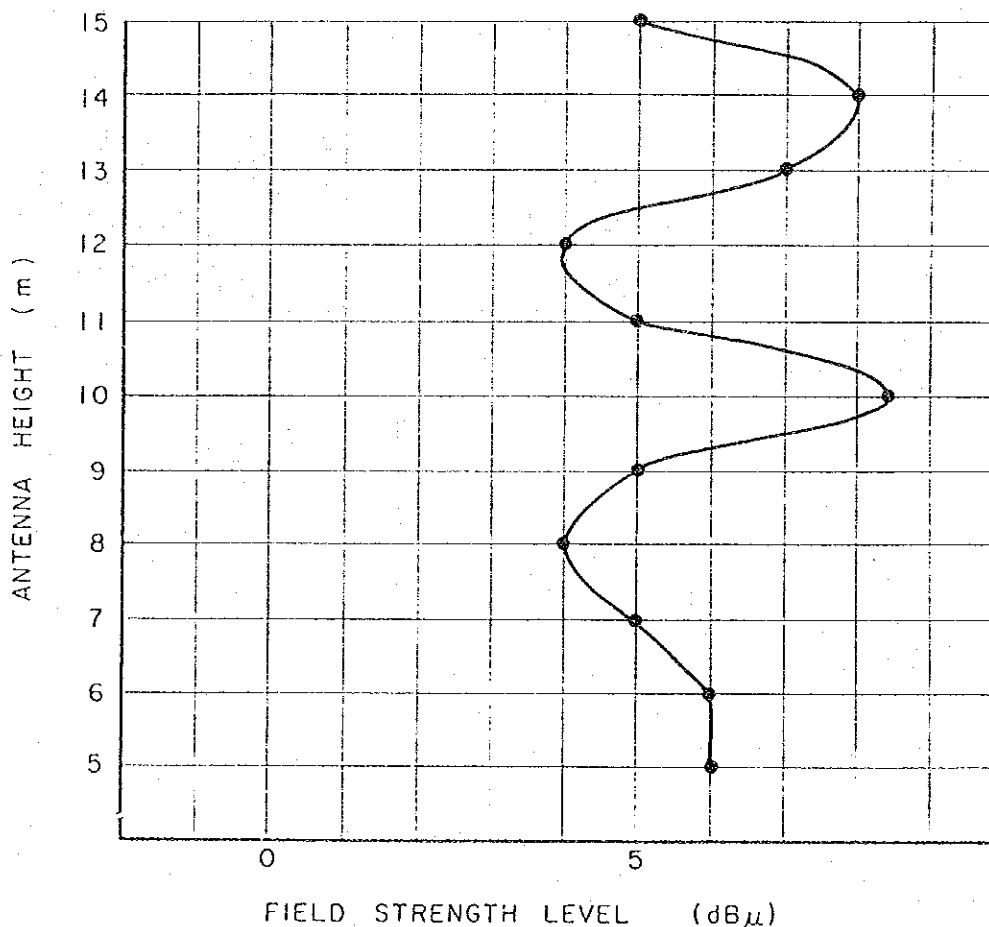


Fig.A.9 (10/36)

(RF Input Level)

## Antenna Height Pattern (VIGAN Station)

Measured Station : VIGAN  
 Measured Date : 26 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	VIGAN	LAOAG
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 25 W Pr: 0.2 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	014 °	194 °

### 2. Measured Result ( LAOAG Transmit → VIGAN Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
24	22	22	22	23	22	21	20	19.5	20	20

(unit: dBμ)

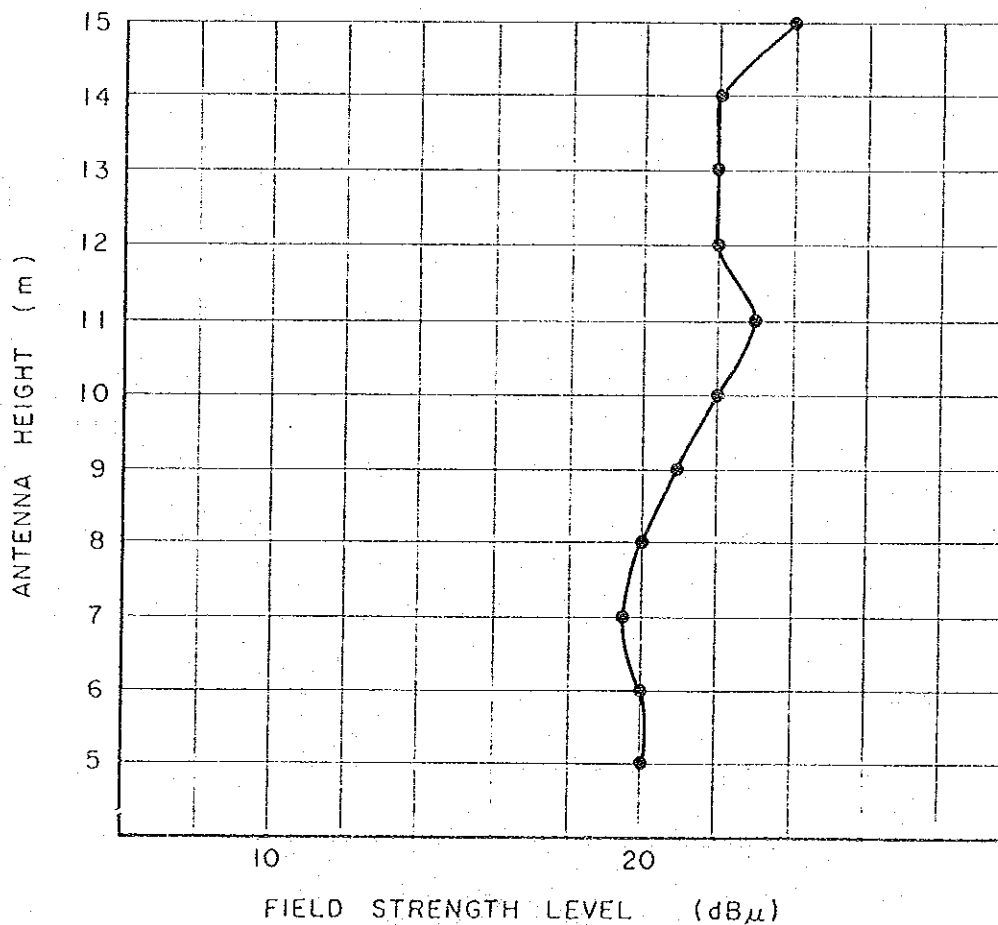


Fig.A.9 (11/36) (RF Input Level)

## Antenna Height Pattern (LAOAG Station)

Measured Station : LAOAG  
 Measured Date : 26 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	LAOAG	VIGAN
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.2 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	194 °	014 °

### 2. Measured Result ( VIGAN Transmit → LAOAG Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
24	24	22	21	20	18	17	15	12	11	10

(unit: dBμ)

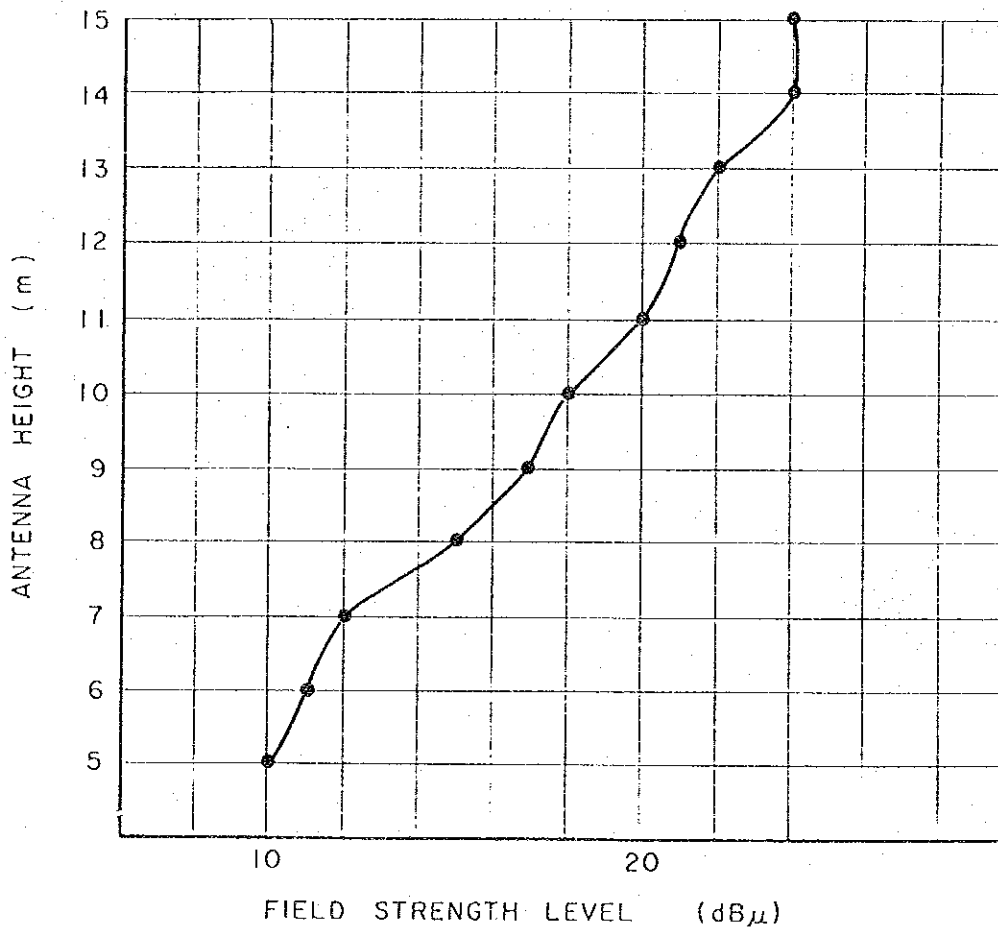


Fig.A.9 (12/36)

(RF Input Level)

### Antenna Height Pattern (VIGAN Station)

Measured Station : VIGAN  
 Measured Date : 26 JAN. '84  
 Weather Condition: FINE

1. Setting Terms

Station Name	VIGAN	LAOAG
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.7 W	Pf: 26 W Pr: 1.6 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	014 °	194 °

2. Measured Result ( LAOAG Transmit → VIGAN Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
19	19	18	18	19.5	19.5	18	17	16	16	16

(unit: dBμ)

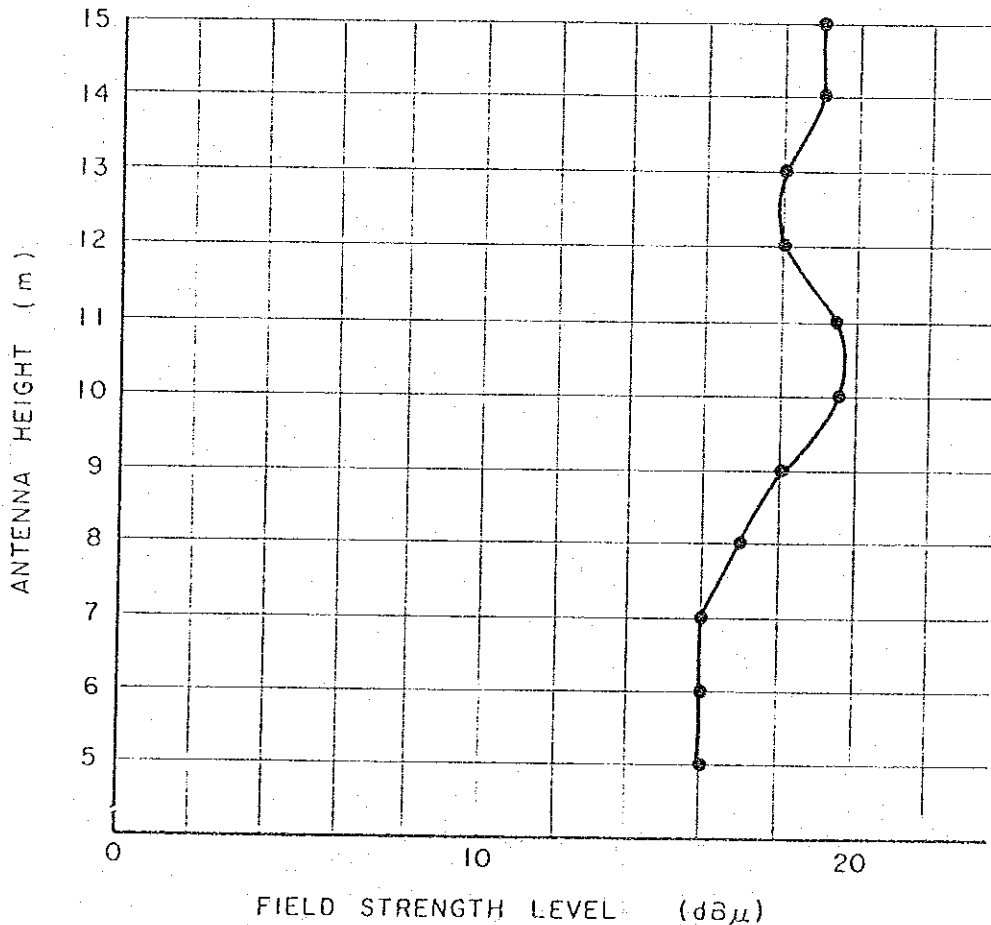


Fig.A.9 (13/36)

(RF Input Level)

## Antenna Height Pattern (LAOAG Station)

Measured Station : LAOAG  
 Measured Date : 26 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	LAOAG	VIGAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 1.6 W	Pf: 25 W Pr: 0.7 W
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	194 °	014 °

### 2. Measured Result ( VIGAN Transmit → LAOAG Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
17	16	12	12.5	12	10	8	6.5	4	2.5	2

(unit: dBμ)

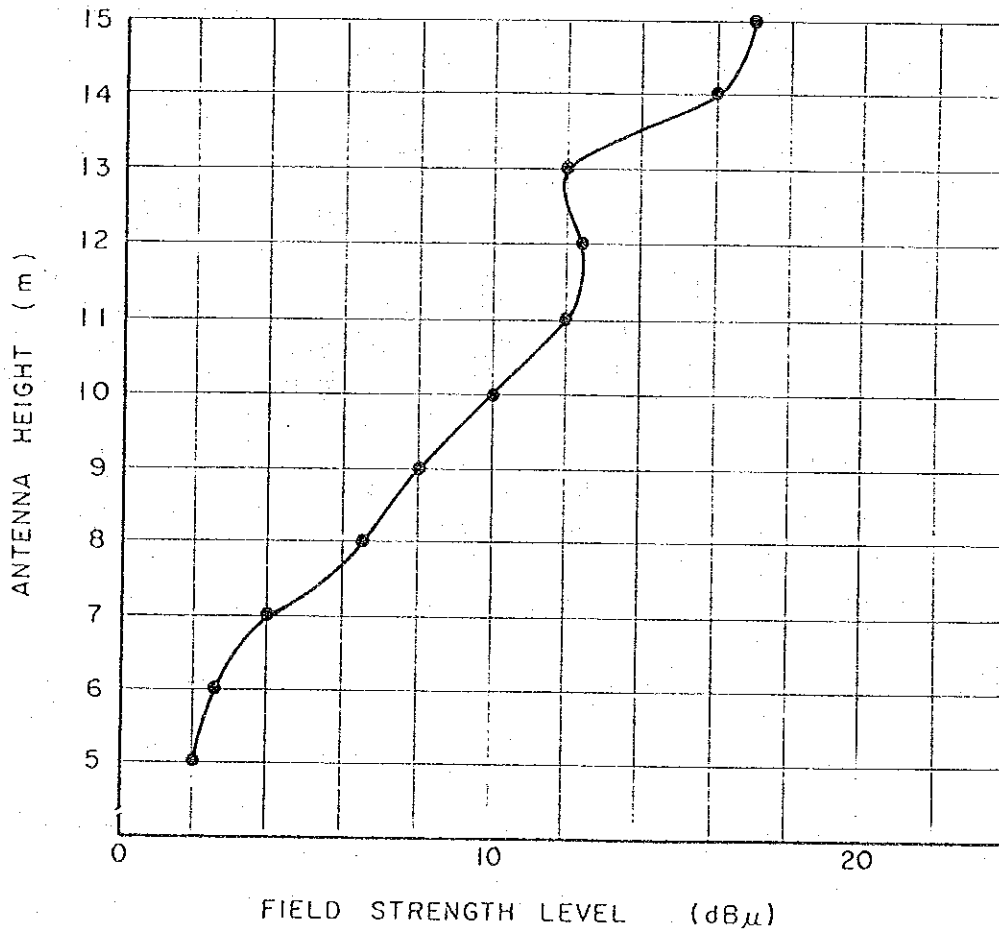


Fig.A.9 (14/36)

(RF Input Level)

## Antenna Height Pattern (CARMEN ROSALES Station)

Measured Station : CARMEN ROSALES  
 Measured Date : 28 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	CARMEN ROSALES	MUÑOZ
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24 W Pr: 0.2 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	115 °	295 °

### 2. Measured Result ( MUÑOZ Transmit → CARMEN ROSALES Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
33	32	31	30	30.5	31	28	26	27	26.5	23.5

(unit: dBμ)

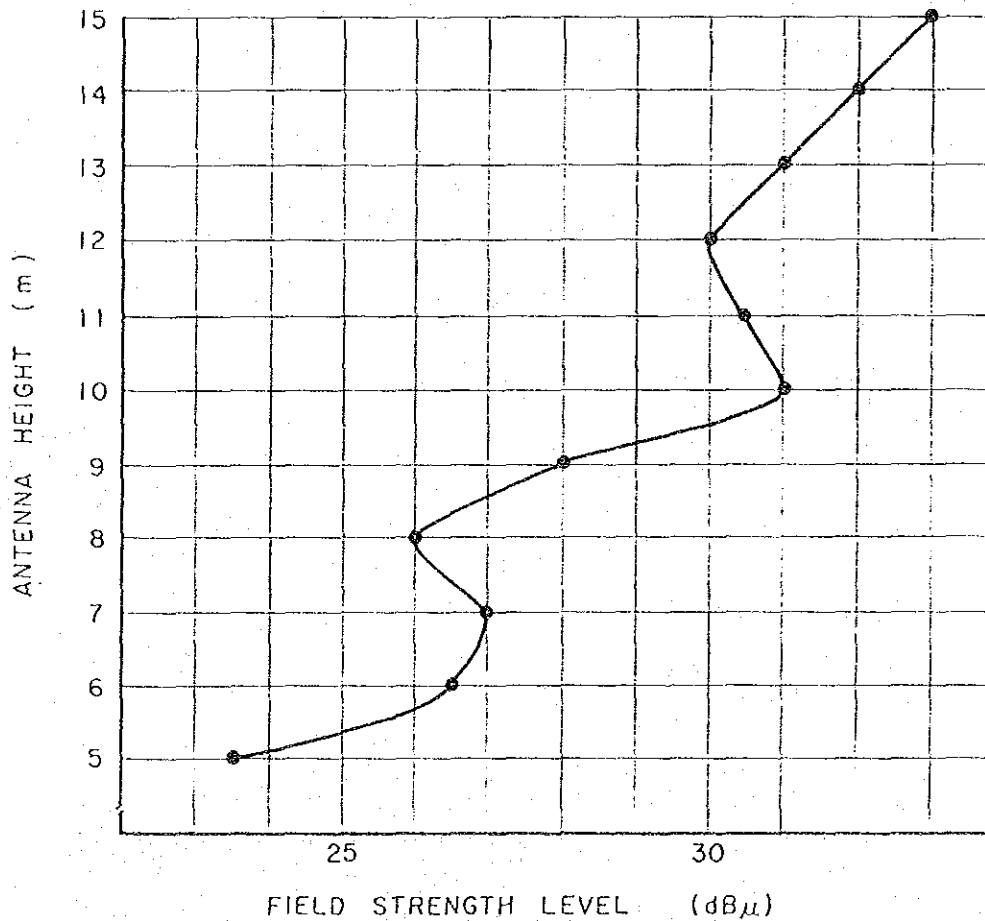


Fig.A.9 (15/36)

(RF Input Level)

### Antenna Height Pattern (MUÑOZ Station)

Measured Station : MUÑOZ  
 Measured Date : 28 JAN. '84  
 Weather Condition: FINE

1. Setting Terms

Station Name	MUÑOZ	CARMEN ROSALES
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 24 W Pr: 0.2 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	295 °	115 °

2. Measured Result ( CARMEN ROSALES → MUÑOZ )  
 Transmit Receive

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
32	32	31	30	30	28	26	25	24	23	22

(unit: dBu)

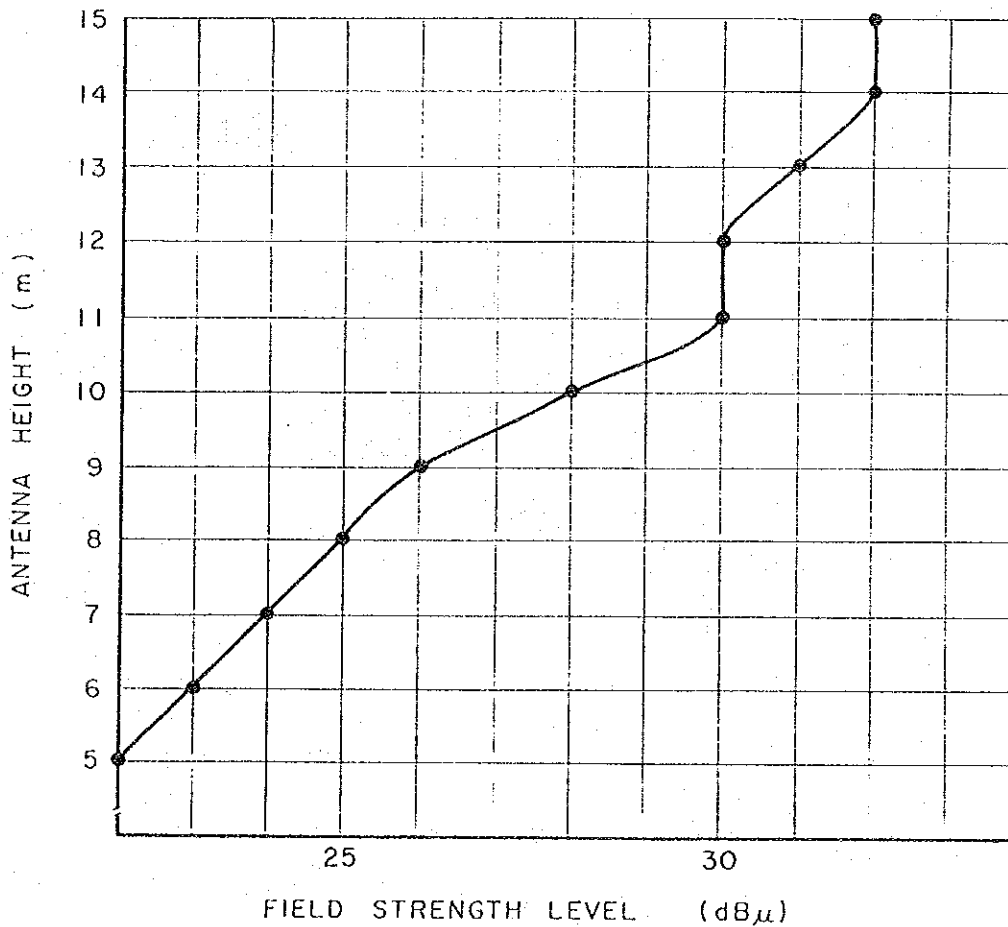


Fig.A.9 (16/36)

(RF Input Level)



## Antenna Height Pattern (BALER RADAR Station)

Measured Station : BALER RADAR  
 Measured Date : 30 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	BALER RADAR	MUÑOZ
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	269 °	089 °

### 2. Measured Result ( MUÑOZ Transmit → BALER RADAR Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
25	24	25	25	25	24	23.5	24.5	25	23.5	22

(unit: dBμ)

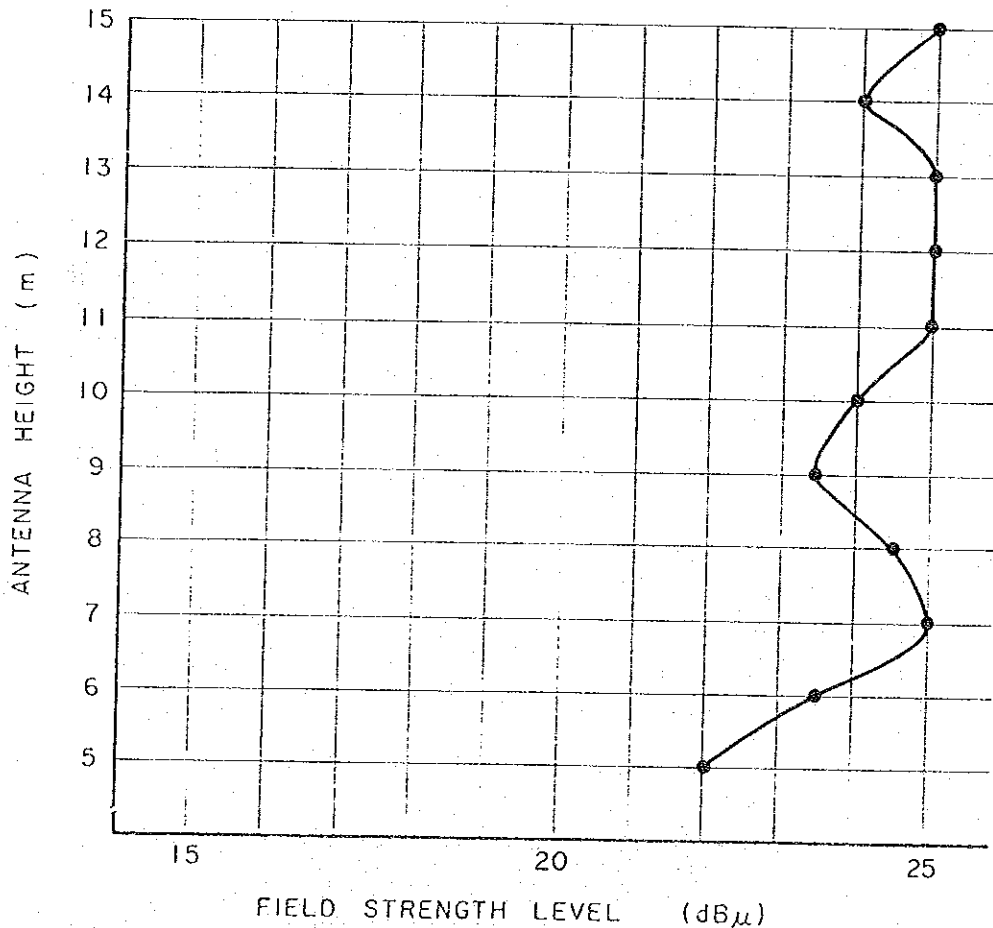


Fig.A.9 (17/36)

(RF Input Level)

## Antenna Height Pattern (MUÑOZ Station)

Measured Station : MUÑOZ  
 Measured Date : 30 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	MUÑOZ	BALER RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: W Pr: W	Pf: W Pr: W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	089°	269°

### 2. Measured Result ( BALER RADAR Transmit → MUÑOZ Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
23	22	22	21	21	20	20	19	18	17	15

(unit: dBμ)

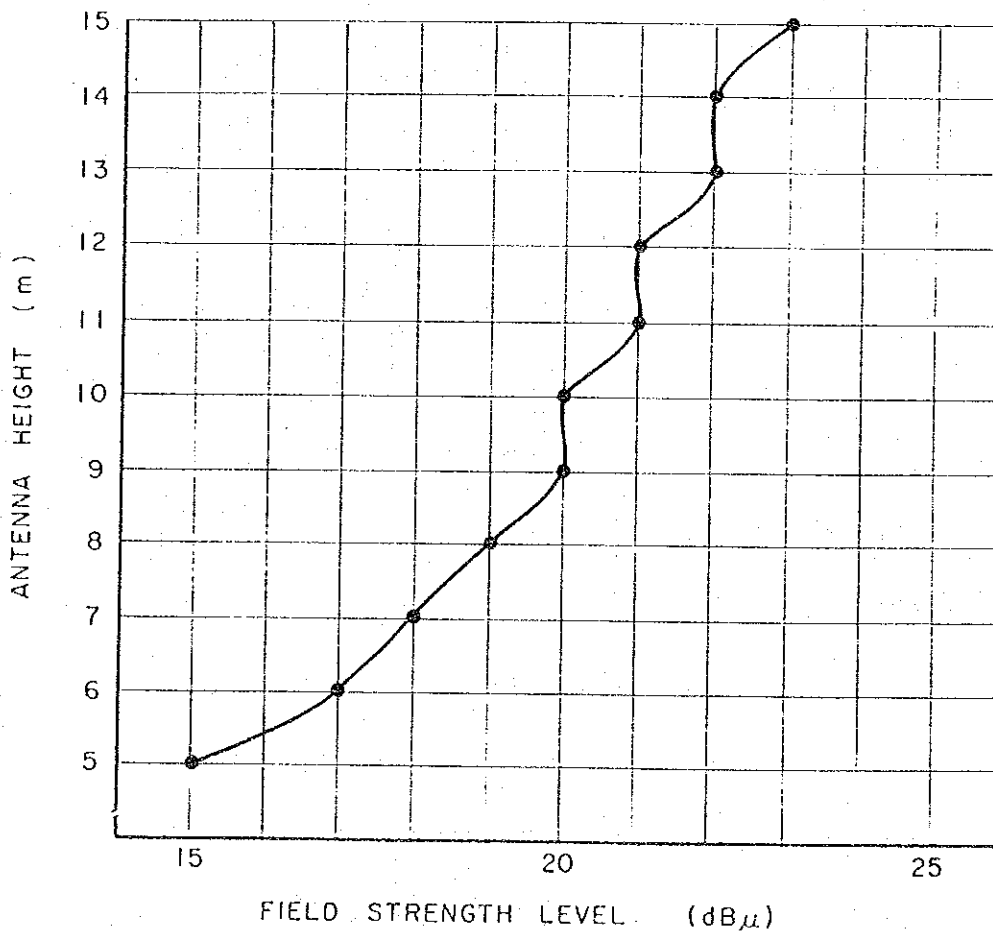


Fig.A.9 (18/36)

(RF Input Level)

## Antenna Height Pattern (BALER RADAR Station)

Measured Station : BALER RADAR  
 Measured Date : 2 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	BALER RADAR	CASIGURAN
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 23 W Pr: 0.2 W	Pf: 27 W Pr: 0.3 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	043 °	223 °

### 2. Measured Result ( CASIGURAN Transmit → BALER RADAR Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
33	31	32	36	36.5	36	34.5	31.5	28	24.5	19

(unit: dBμ)

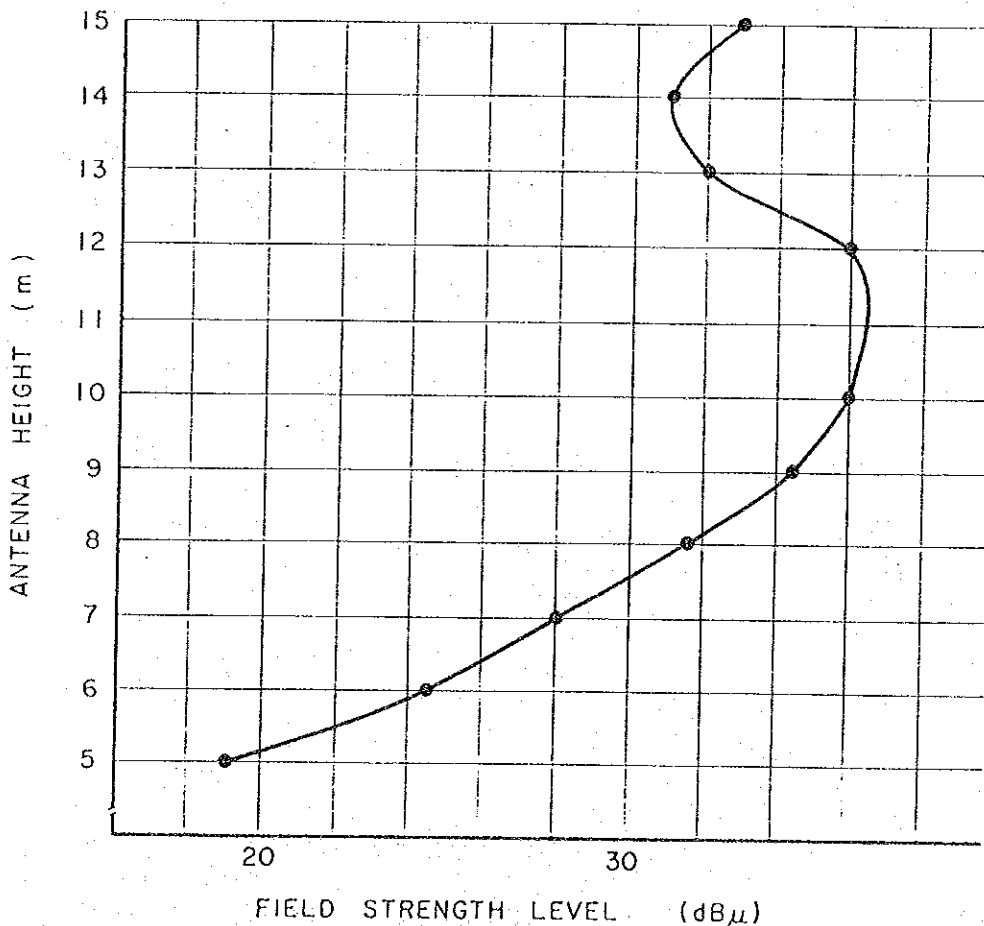


Fig.A.9 (19/36) (RF Input Level)

## Antenna Height Pattern (INFANTA Station)

Measured Station : INFANTA  
 Measured Date : 14 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	INFANTA	TANAY
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	237 °	057 °

### 2. Measured Result ( TANAY Transmits → INFANTA Receives )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
23	21	20	19	17	16	16	15	10	9	8

(unit: dBμ)

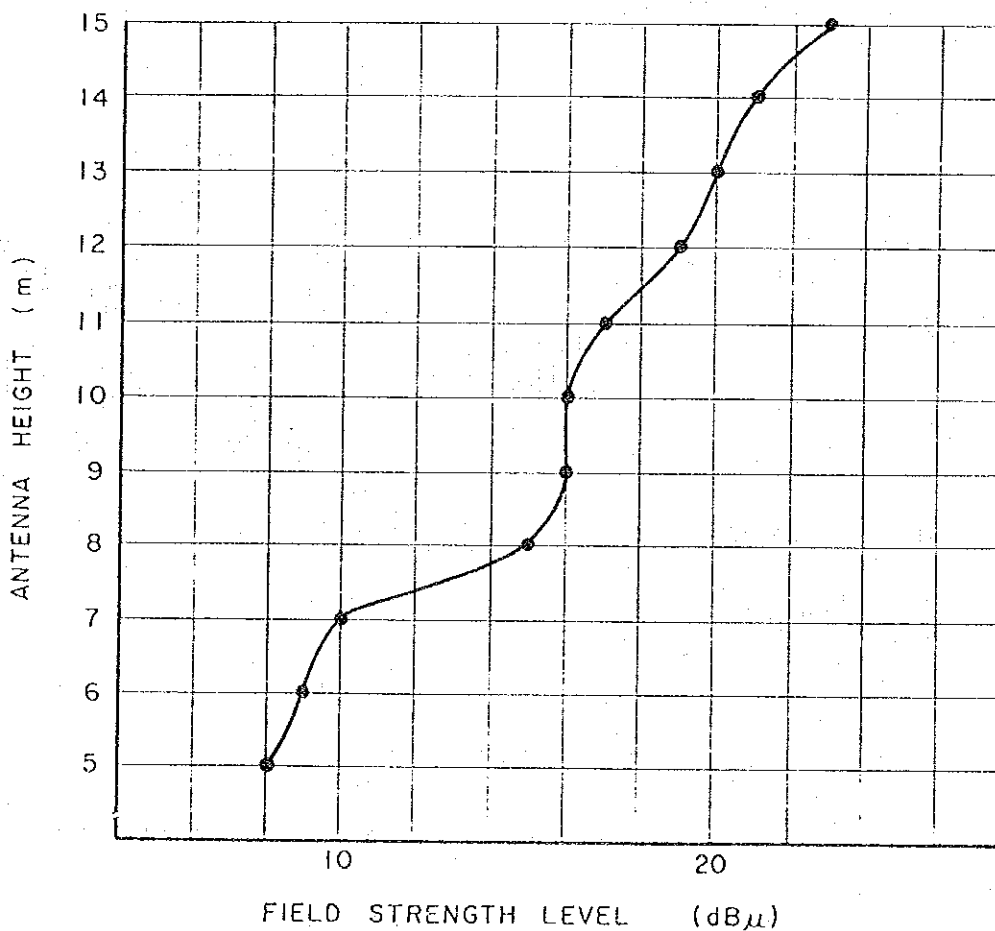


Fig.A.9 (20/36)

(RF Input Level)

## Antenna Height Pattern (TANAY Station)

Measured Station : TANAY  
 Measured Date : 14 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	TANAY	INFANTA
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	057 °	237 °

### 2. Measured Result ( INFANTA Transmit → TANAY Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	24.5	24	25	23	24	20

(unit: dBμ)

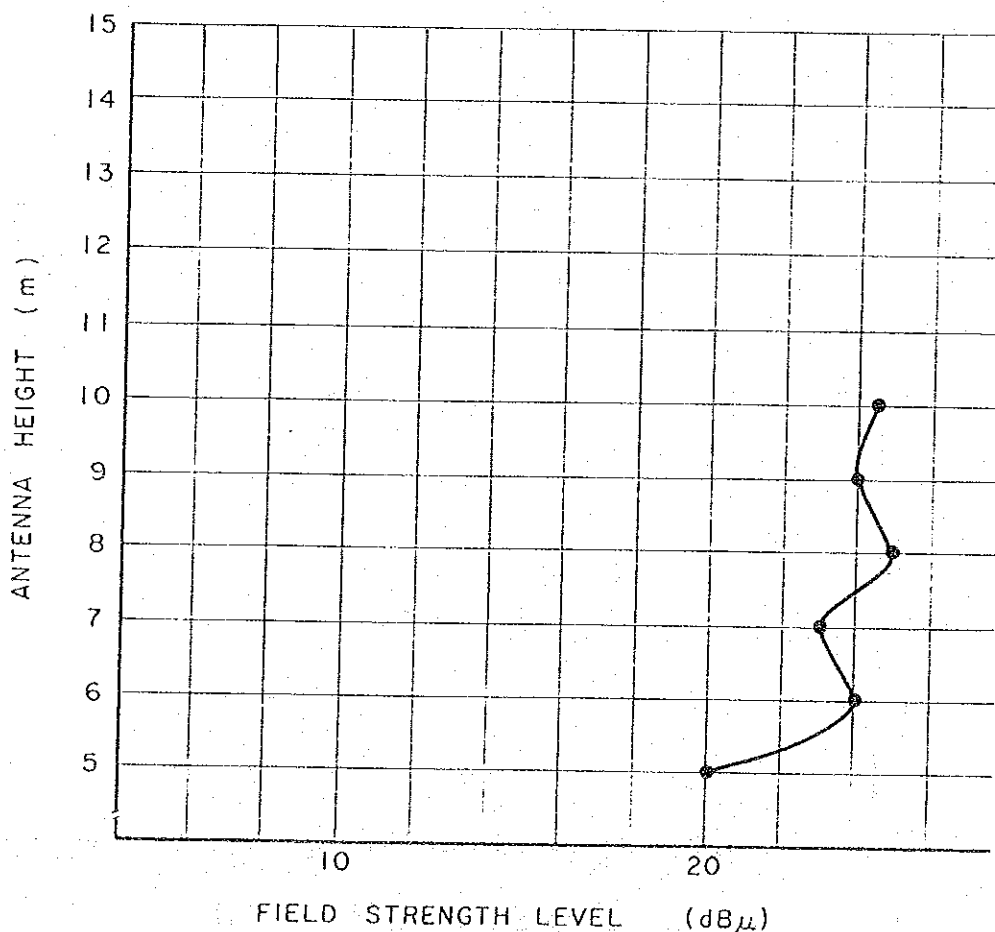


Fig.A.9 (21/36) (RF Input Level)

## Antenna Height Pattern (ALABAT Station)

Measured Station : ALABAT  
 Measured Date : 16 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item	Station Name	ALABAT	TANAY
Test Frequency		150.000 MHz	150.000 MHz
Transmitting Power		Pf: 24.5 W Pr: 0.05 W	Pf: 26 W Pr: 0.1 W
Used Antenna		5 ELE. YAGI	5 ELE. YAGI
Antenna Height		15 m	10 m
Used Feeder		8D-2v . 25m	8D-2v . 25m
Party Station True Bearings		306 °	126 °

### 2. Measured Result ( TANAY Transmit → ALABAT Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
23	21	20	21	21	19	17	13	12	12	8

(unit: dBμ)

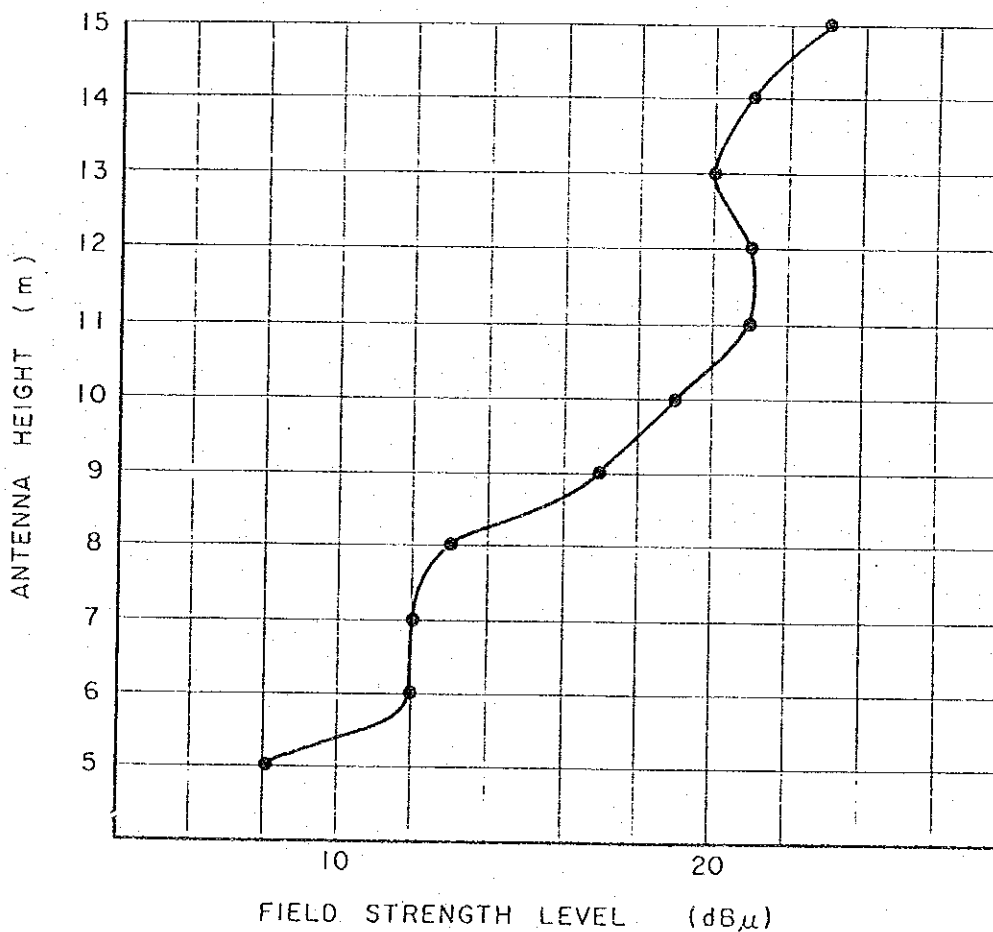


Fig.A.9 (22/36)

(RF Input Level)

## Antenna Height Pattern (TANAY Station)

Measured Station : TANAY  
 Measured Date : 16 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	TANAY	ALABAT
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 24.5 W Pr: 0.05 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	126 °	306 °

### 2. Measured Result ( ALABAT Transmit → TANAY Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	23	24	22	20	18	16

(unit: dBμ)

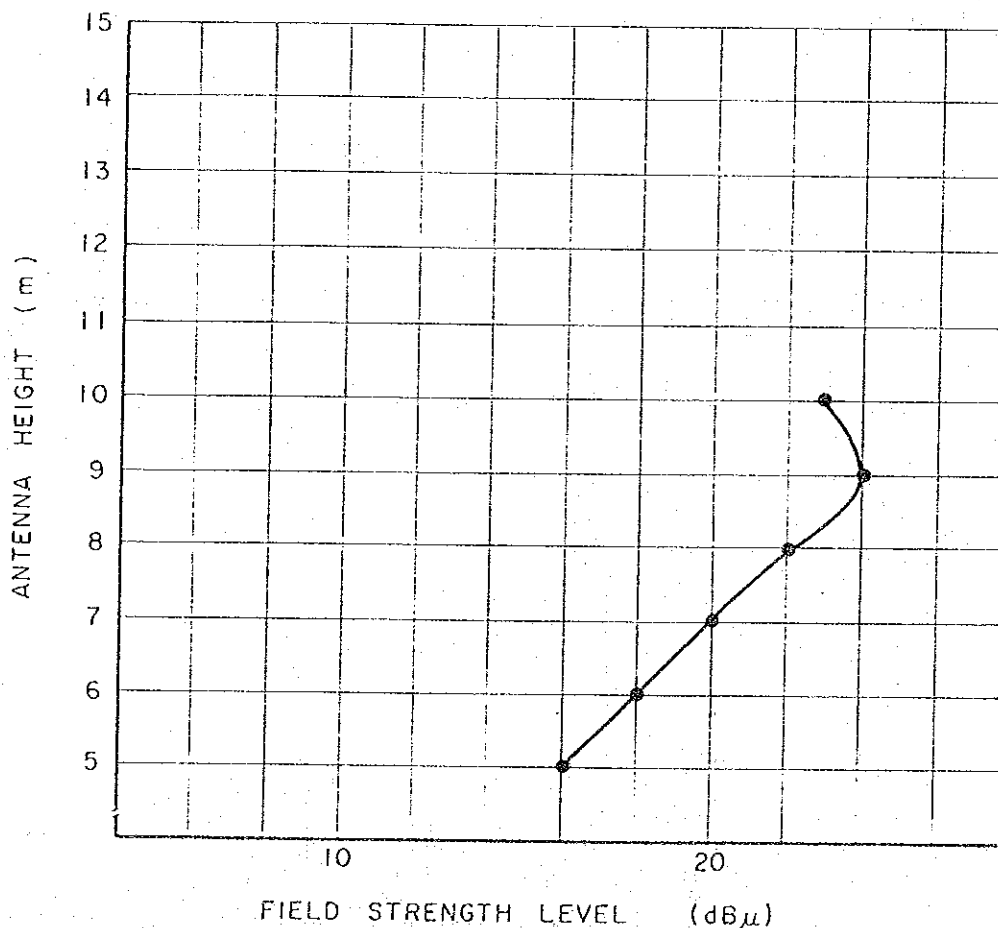


Fig.A.9 (23/36)

(RF Input Level)

## Antenna Height Pattern (CALAPAN Station)

Measured Station : CALAPAN  
 Measured Date : 18 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	CALAPAN	TANAY
Item		
Test Frequency	150.200 MHz	150.200 MHz
Transmitting Power	Pf: 24.5 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	008 °	188 °

### 2. Measured Result ( TANAY Transmit → CALAPAN Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
22	22	22	21	22	22	21	19	16	13	11

(unit: dBμ)

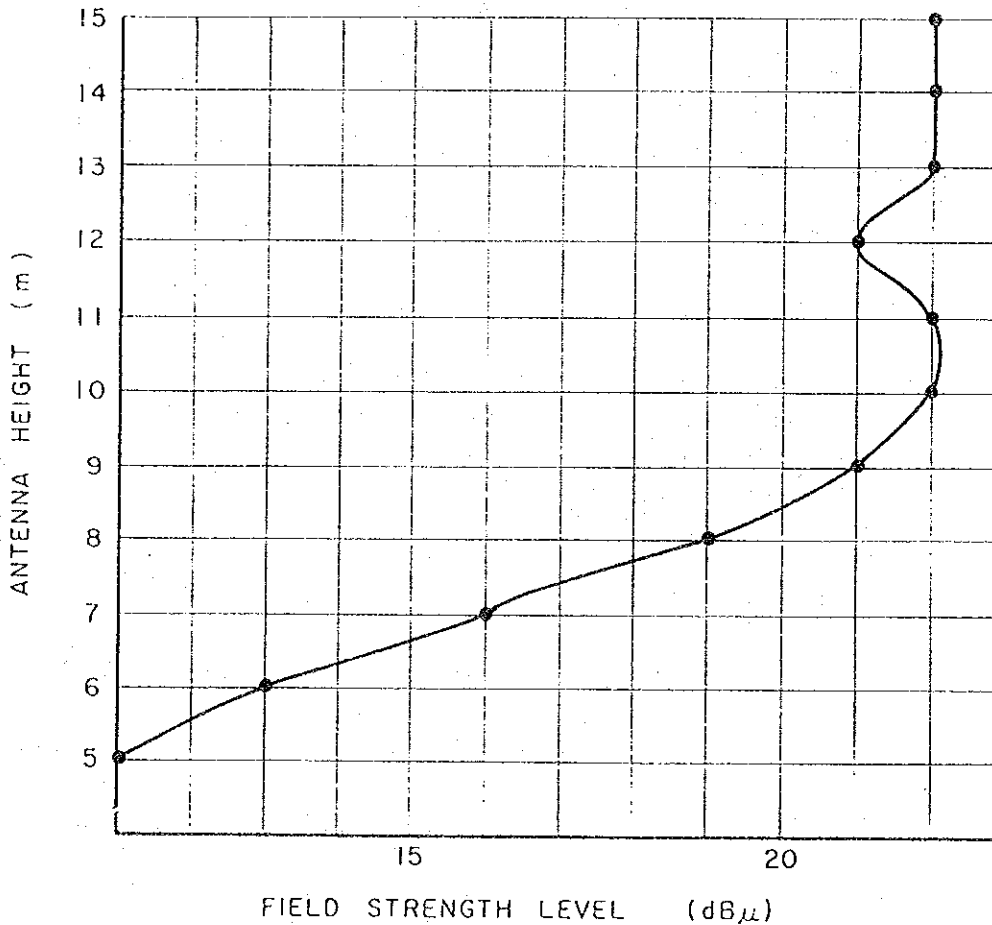


Fig.A.9 (24/36) (RF Input Level)



## Antenna Height Pattern (TANAY Station)

Measured Station : TANAY  
 Measured Date : 18 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	TANAY	CALAPAN
Test Frequency	150.200 MHz	150.200 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 24.5 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	188 °	008 °

### 2. Measured Result ( CALAPAN Transmit → TANAY Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	21	27.5	32	32	30.5	20

(unit: dBμ)

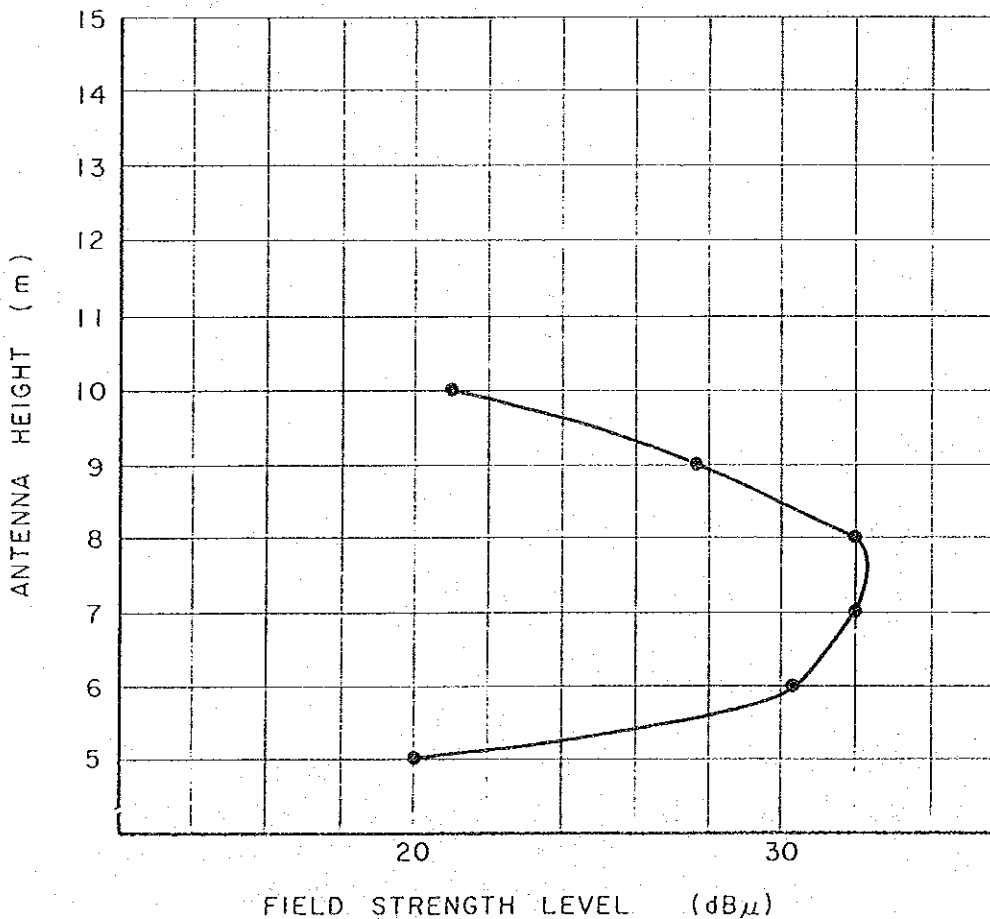


Fig.A.9 (25/36)

(RF Input Level)  
-112-

## Antenna Height Pattern (AMBULONG Station)

Measured Station : AMBULONG  
 Measured Date : 21 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	AMBULONG	TANAY
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	30 °	210 °

### 2. Measured Result ( TANAY Transmit → AMBULONG Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
25	24	23	23	23	23	22	20	18	18	17

(unit: dBμ)

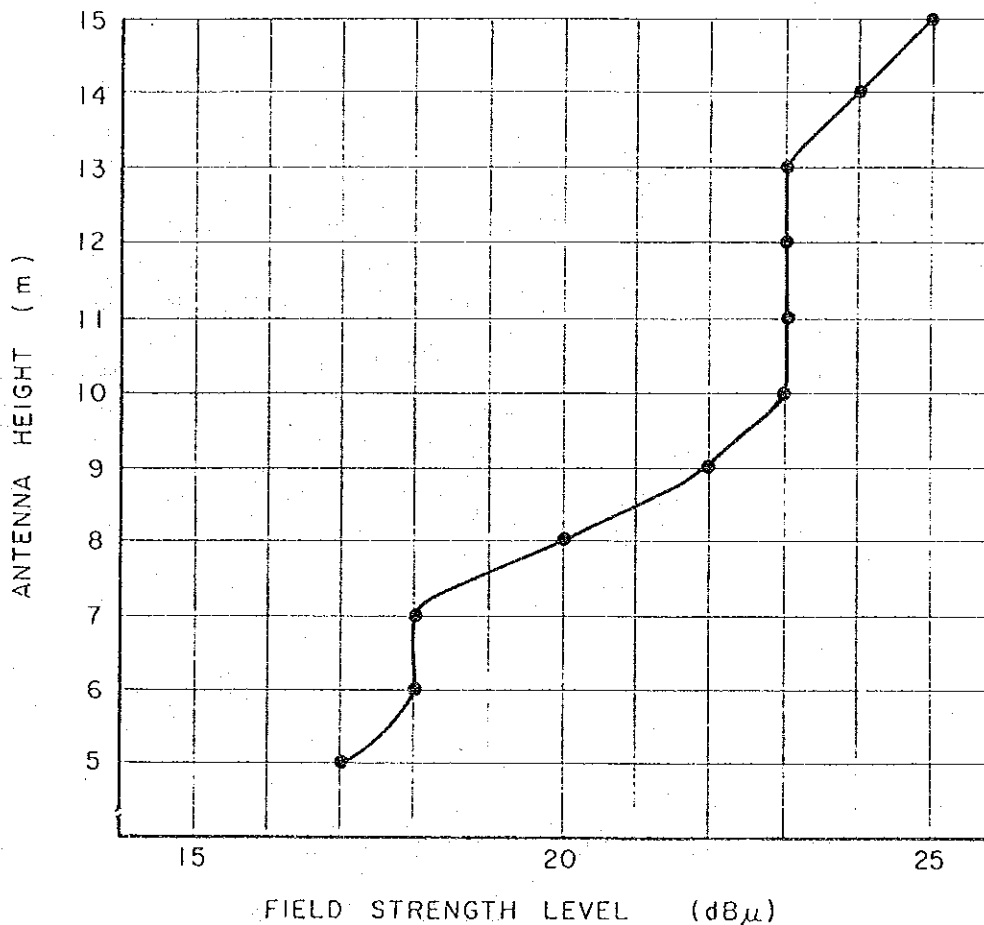


Fig.A.9 (26/36)

(RF Input Level)

## Antenna Height Pattern (TANAY Station)

Measured Station : TANAY  
 Measured Date : 21 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	TANAY	AMBULONG
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	210 °	30 °

### 2. Measured Result ( AMBULONG Transmit → TANAY Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	25	24.5	23	23.5	25.5	27

(unit: dBμ)

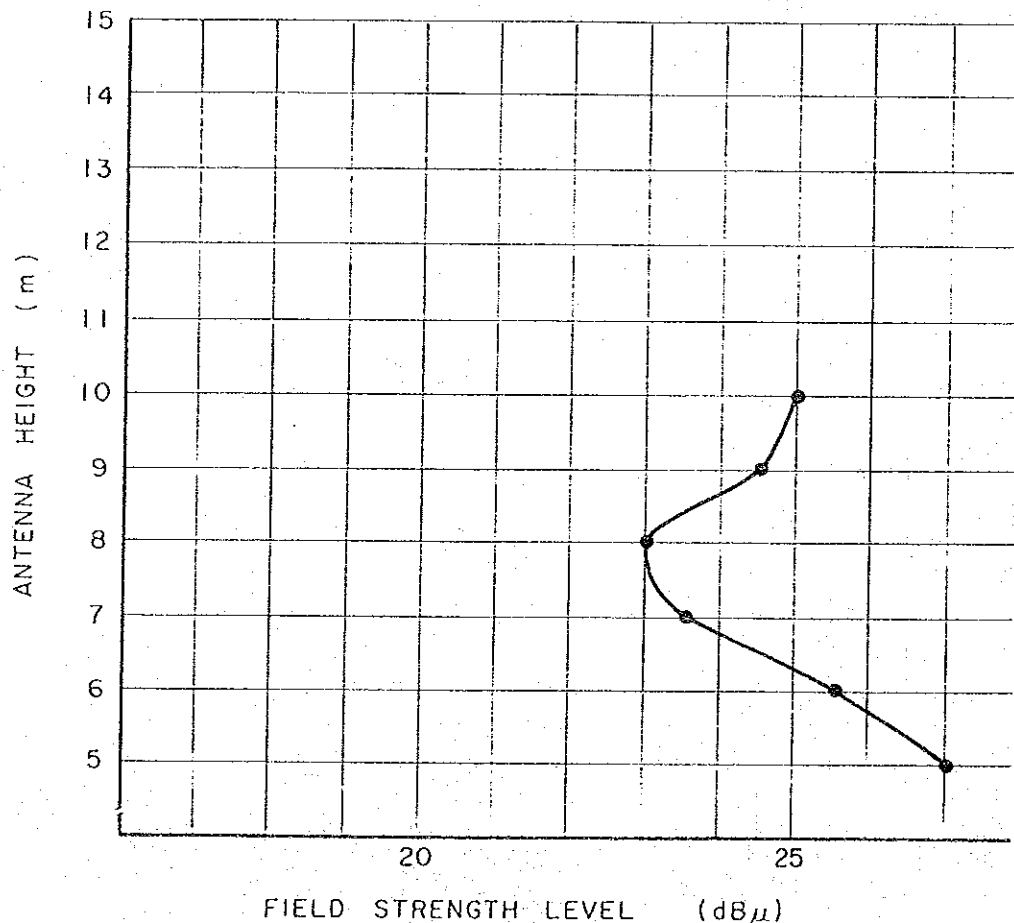


Fig.A.9 (27/36)

(RF Input Level)

## Antenna Height Pattern (TANAY Station)

Measured Station : TANAY  
 Measured Date : 17 MAR. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	TANAY	JOMALIG
Item		
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 27 W Pr: 0.1 W	Pf: 22 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	80 °	260 °

### 2. Measured Result ( JOMALIG Transmit → TANAY Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
24	20	17	20	21	19	20	18	15	13	15

(unit: dBμ)

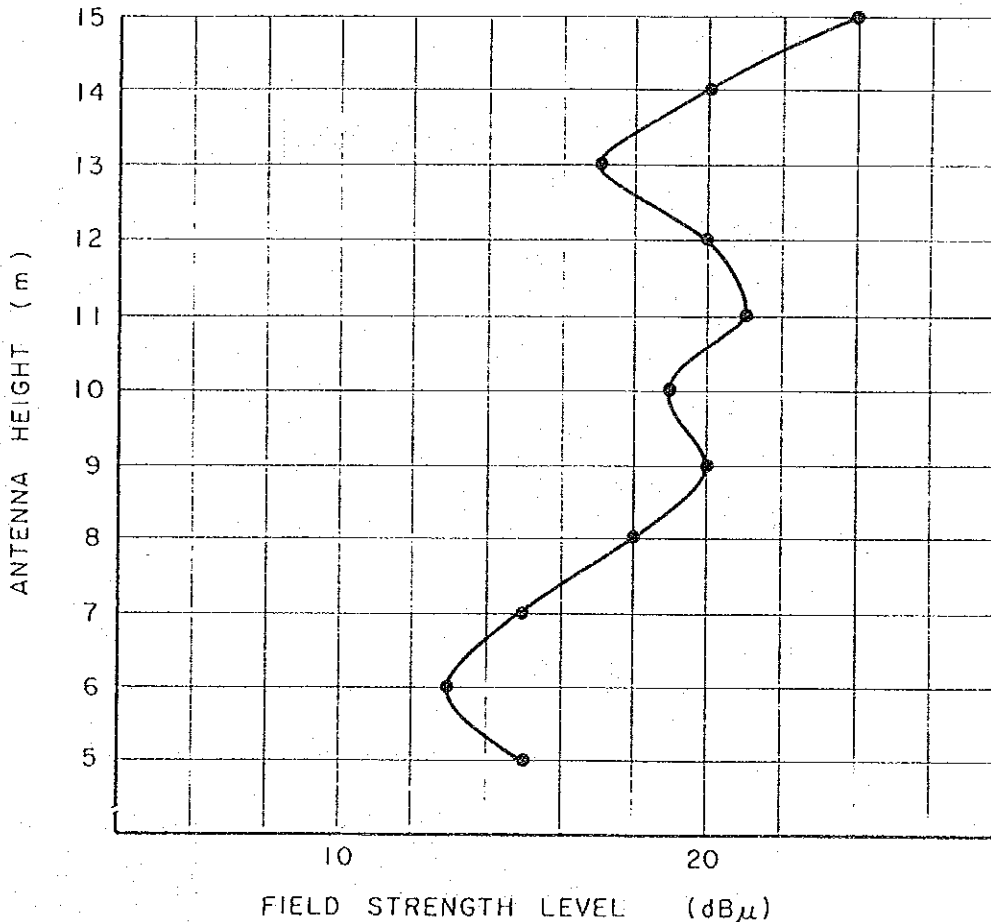


Fig.A.9 (28/36)

(RF Input Level)

## Antenna Height Pattern (JOMALIG Station)

Measured Station : TANAY  
 Measured Date : 17 MAR. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	JOMALIG	TANAY
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 22 W Pr: 0.1 W	Pf: 27 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	260 °	80 °

### 2. Measured Result ( JOMALIG Transmit → TANAY Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	21	16.5	12	8	9.5	10

(unit: dBμ)

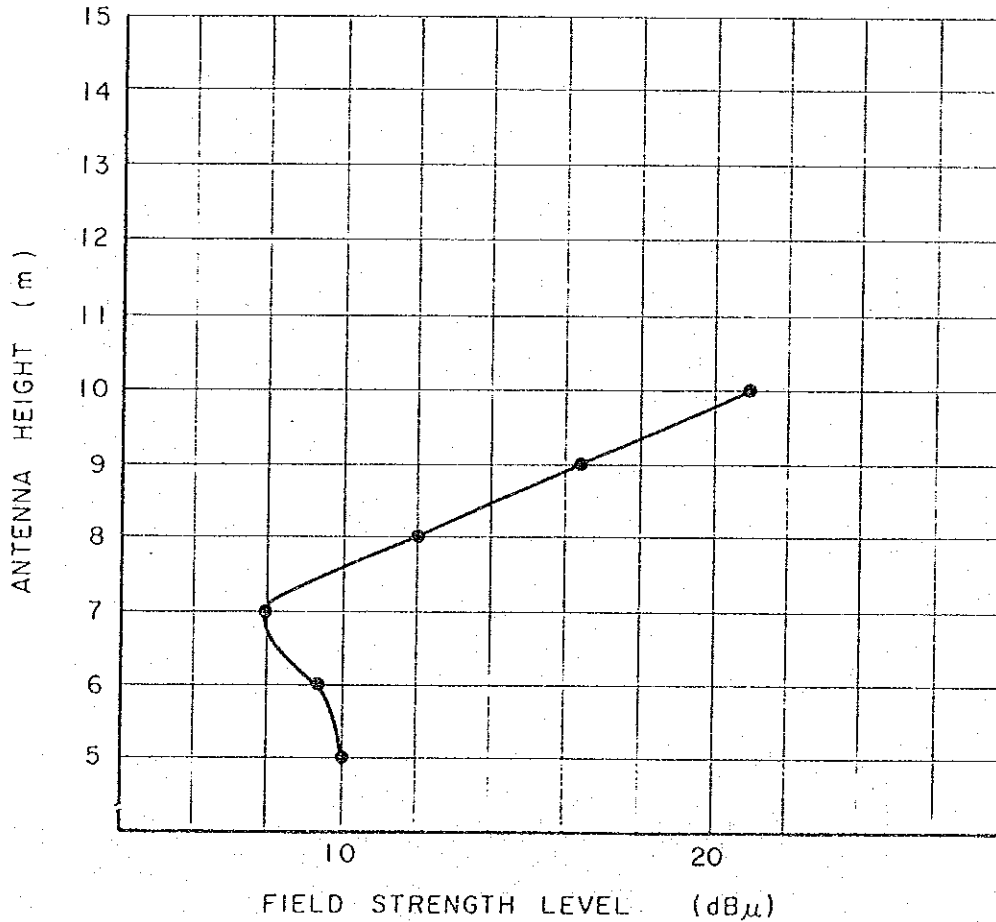


Fig. A.9(29/36)

(RF Input Level)

## Antenna Height Pattern (MASBATE Station)

Measured Station : MALABOG  
 Measured Date : 2 MAR. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	MASBATE	MALABOG
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 25 W Pr: 0.1 W	Pf: - W Pr: - W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	5 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	002 °	182 °

### 2. Measured Result ( MASBATE Transmit → MALABOG Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	25	24	24	23	23	23

(unit: dBμ)

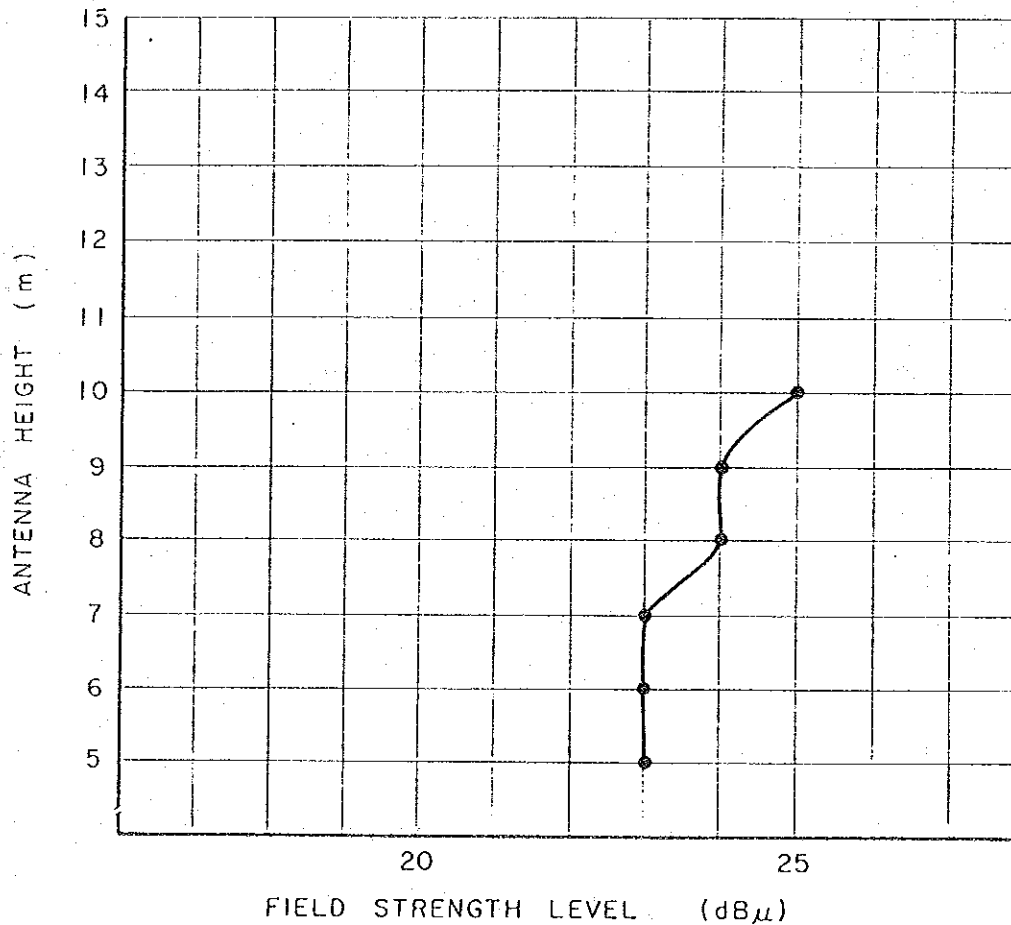


Fig.A.9 (30/36)

(RF Input Level)

## Antenna Height Pattern (MASBATE Station)

Measured Station : MASBATE  
 Measured Date : 8 MAR. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	MASBATE	ROMBLON
Item		
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 25 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	7 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	279 °	099 °

### 2. Measured Result ( ROMBLON Transmit → MASBATE Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	28	24	24	25	23	21

(unit: dBμ)

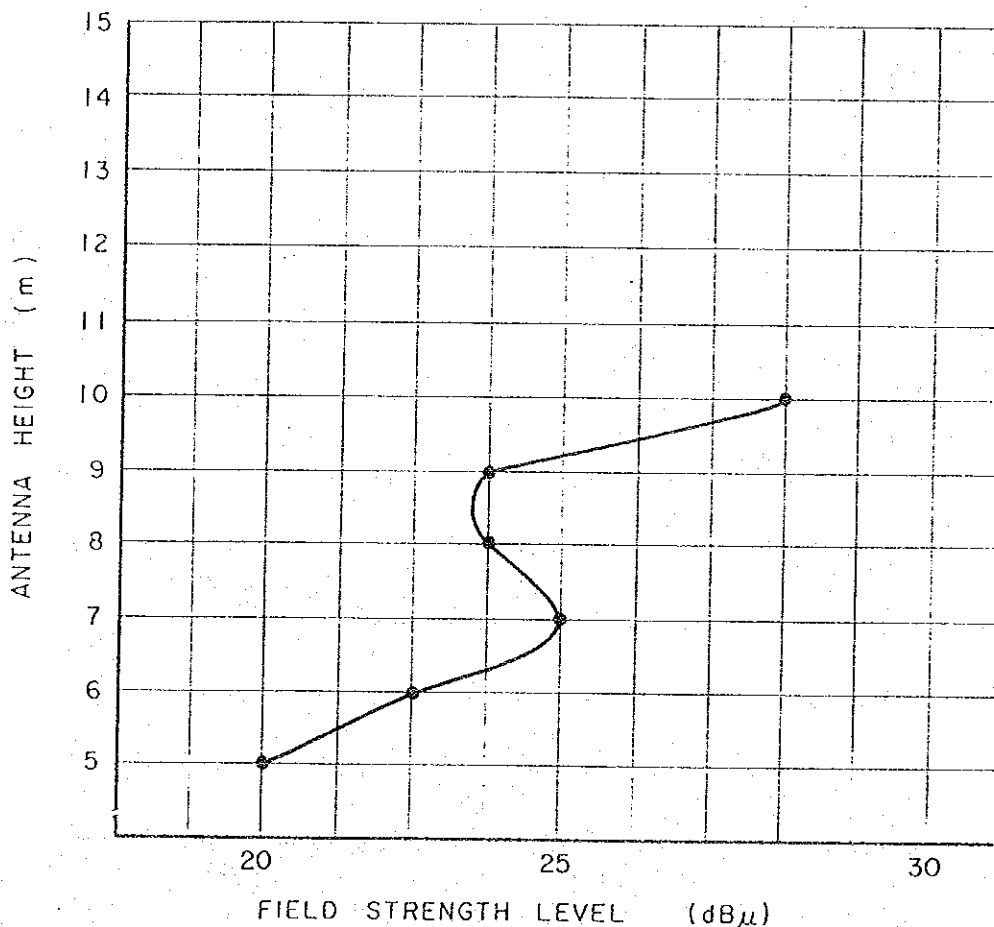


Fig.A.9 (31/36) (RF Input Level)

### Antenna Height Pattern (ROMBLON Station)

Measured Station : ROMBLON  
 Measured Date : 8 MAR. '84  
 Weather Condition: FINE

#### 1. Setting Terms

Station Name	ROMBLON	MASBATE
Item		
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 25 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	7 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	099 °	279 °

#### 2. Measured Result ( MASBATE Transmit → ROMBLON Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	-	-	-	25	22	28

(unit: dBμ)

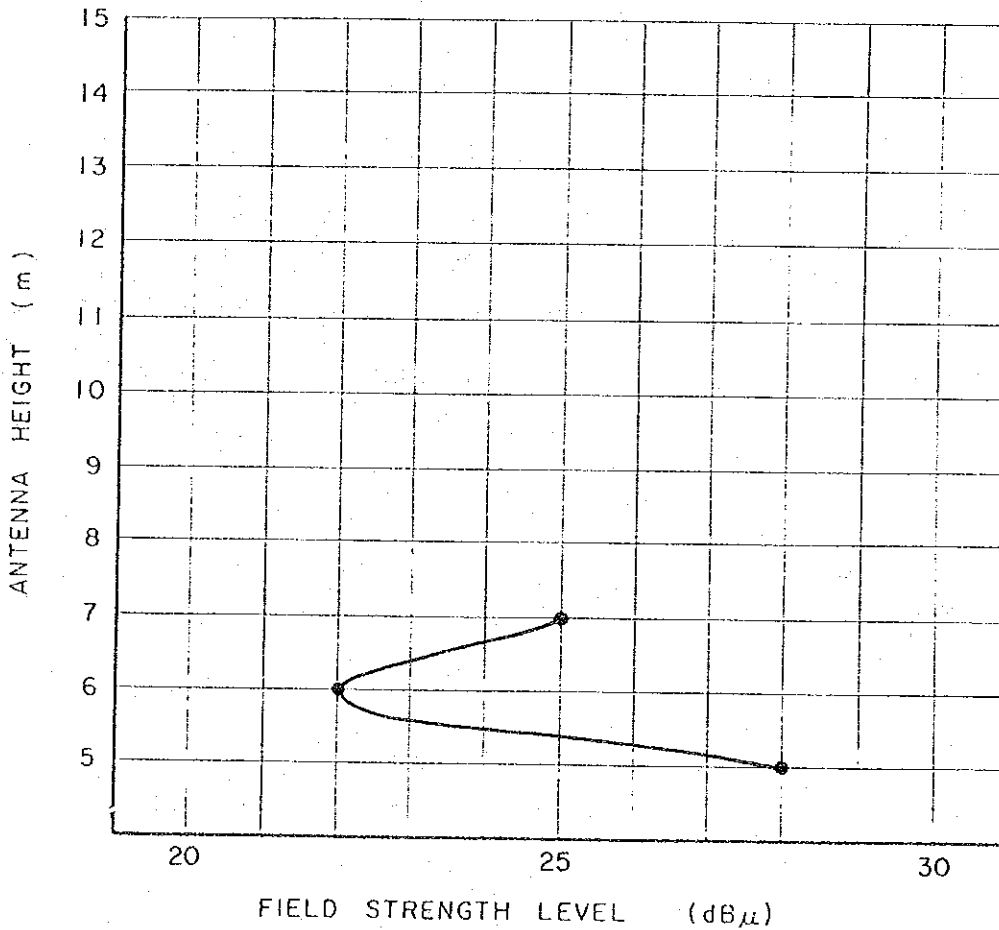


Fig.A.9 (32/36)

(RF Input Level)



# Antenna Height Pattern (SAN FRANCISCO Station)

Measured Station : SAN FRANCISCO  
 Measured Date : 11 MAR. '84  
 Weather Condition: RAIN

## 1. Setting Terms

Item \ Station Name	SAN FRANCISCO	ROMBLON
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 25 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	196 °	016 °

## 2. Measured Result ( ROMBLON Transmit → SAN FRANCISCO Receive )

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
57	59	58	58	57	53	54	56	58	58	55

(unit: dBμ)

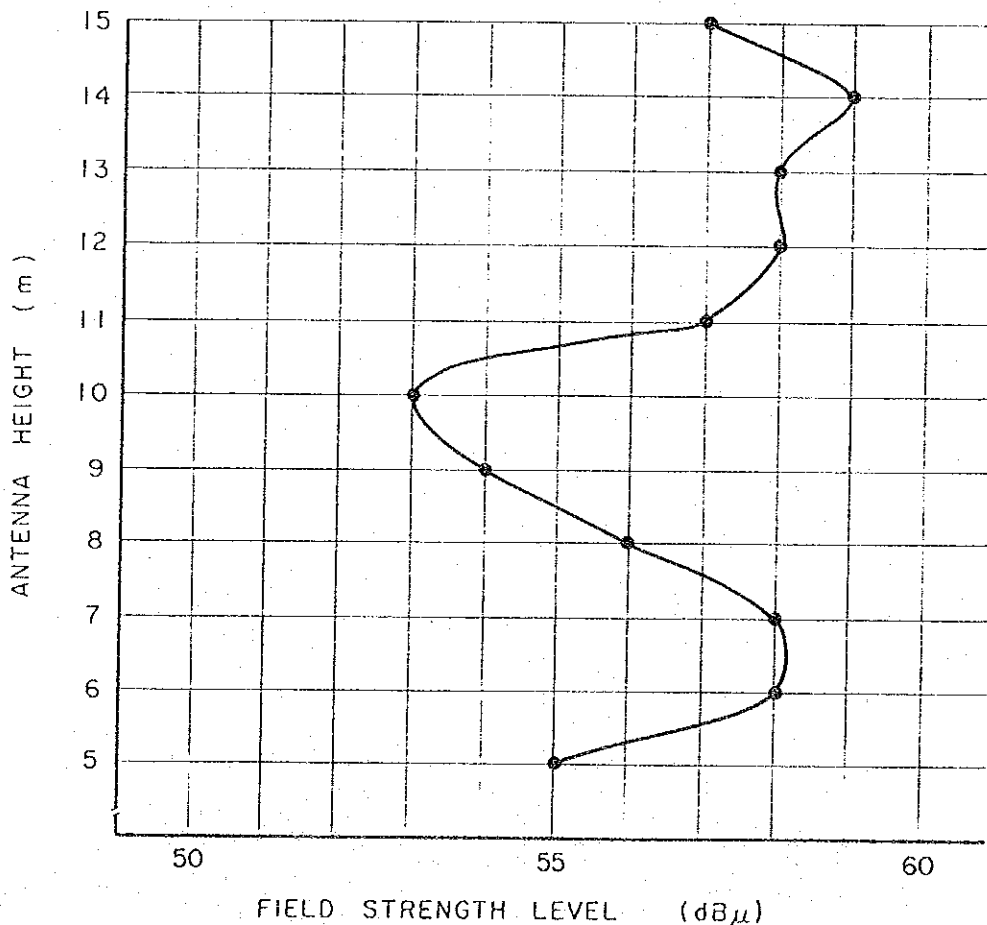


Fig.A.9 (33/36)

(RF Input Level)

## Antenna Height Pattern (ROMBLON Station)

Measured Station : ROMBLON  
 Measured Date : 11 MAR. '84  
 Weather Condition: RAIN

### 1. Setting Terms

Item \ Station Name	ROMBLON	SAN FRANCISCO
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	016 °	196 °

### 2. Measured Result ( SAN FRANCISCO $\rightarrow$ ROMBLON ) Transmit Receive

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	50	50	50	50	48	48

(unit: dBμ)

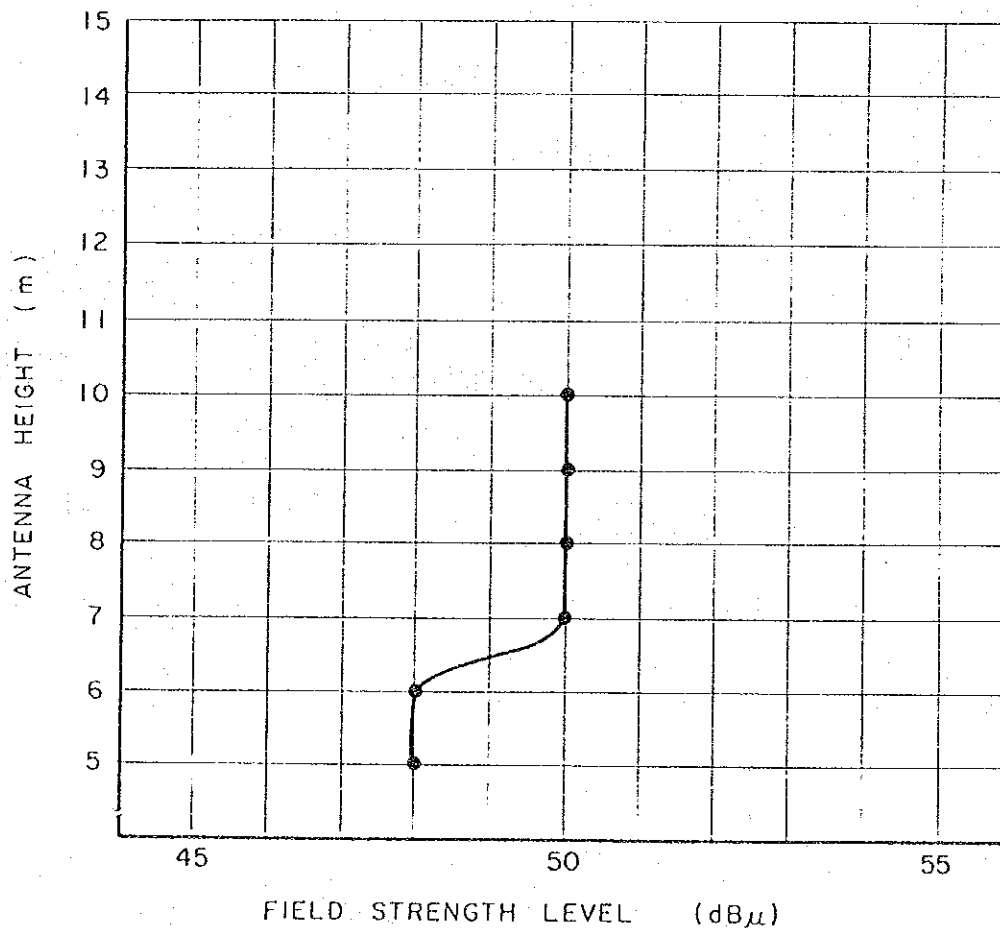


Fig.A.9 (34/36)

(RF Input Level)

## Antenna Height Pattern (TACLOBAN Station)

Measured Station : TACLOBAN  
 Measured Date : 21 MAR. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	TACLOBAN	GUIUAN RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 W Pr: 0.1 W	Pf: 22 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	104 °	284 °

### 2. Measured Result ( GUIUAN RADAR → TACLOBAN )

Transmit                      Receive

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	27	25	24	23	22	21

(unit: dBμ)

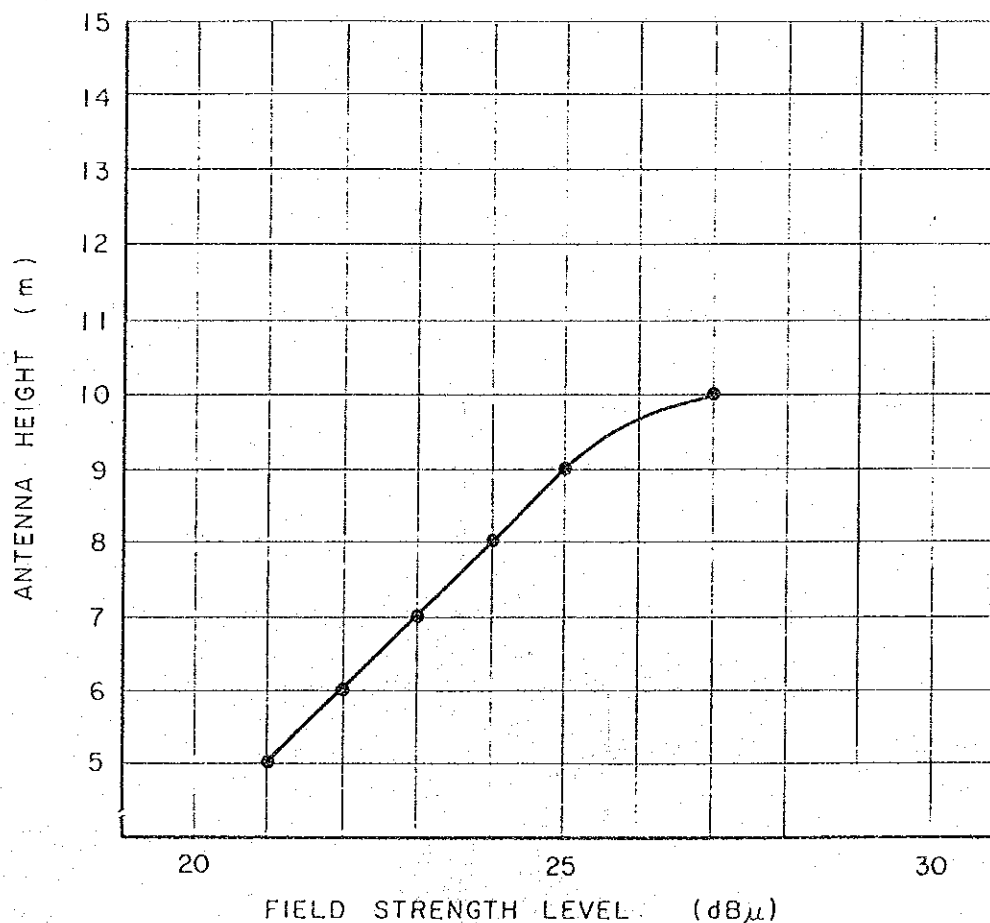


Fig.A.9 (35/36)

(RF Input Level)

## Antenna Height Pattern (GUIUAN RADAR Station)

Measured Station : GUIUAN RADAR  
 Measured Date : 21 MAR. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	GUIUAN RADAR	TACLOBAN
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 22 W Pr: 0.1 W	Pf: 26 W Pr: 0.1 W
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	10 m
Used Feeder	8D-2v . 25m	8D-2v . 25m
Party Station True Bearings	284 °	104 °

### 2. Measured Result ( TACLOBAN → GUIUAN RADAR )

Transmit Receive

15 <sub>m</sub>	14 <sub>m</sub>	13 <sub>m</sub>	12 <sub>m</sub>	11 <sub>m</sub>	10 <sub>m</sub>	9 <sub>m</sub>	8 <sub>m</sub>	7 <sub>m</sub>	6 <sub>m</sub>	5 <sub>m</sub>
-	-	-	-	-	28	28	26	26	25	26

(unit: dBμ)

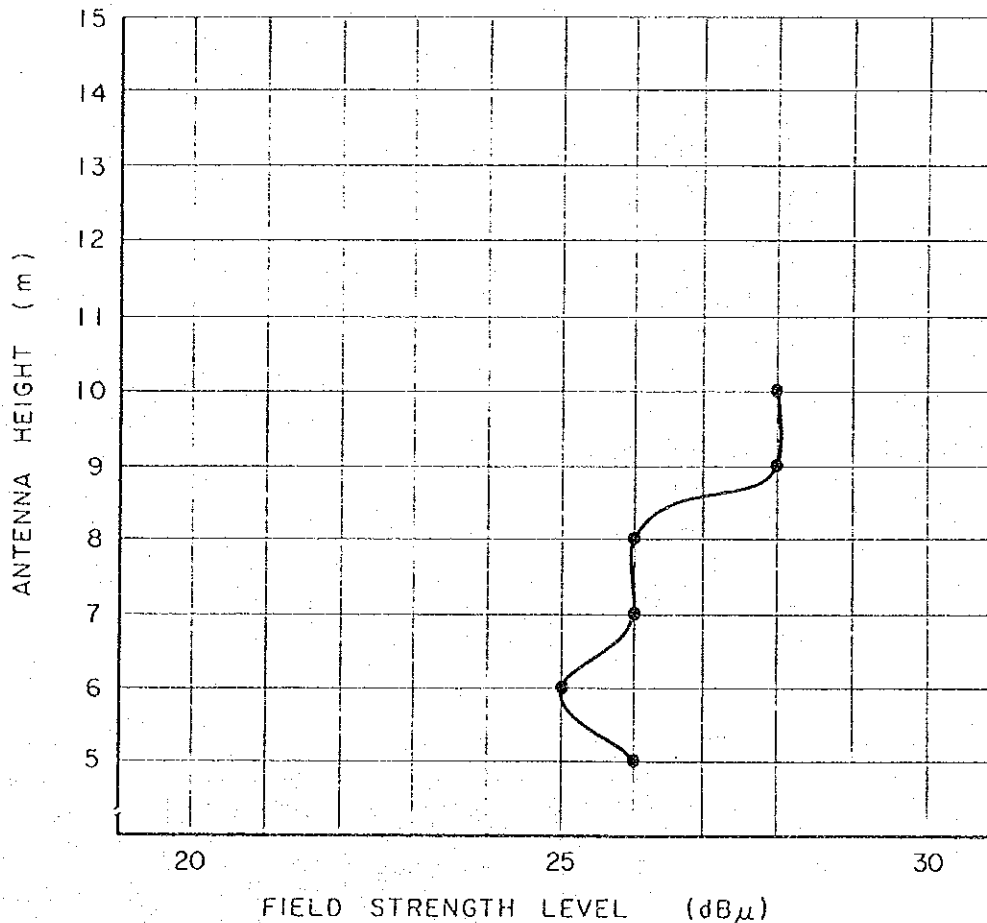


Fig.A.9 (36/36)

(RF Input Level)

## Antenna Rotation Pattern (DAGUPAN Station)

Measured Station : DAGUPAN  
 Measured Date : 21 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item	Station Name	BAGUIO RADAR	DAGUPAN
Test Frequency		150.000 MHz	150.000 MHz
Transmitting Power		Pf: 24 w, Pr: 0.1 w	Pf: 25 w, Pr: 0.1 w
Used Antenna		5 ELE. YAGI	5 ELE. YAGI
Antenna Height		15 m	15 m
Used Feeder		8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( BAGUIO RADAR Transmit → DAGUPAN Receive )

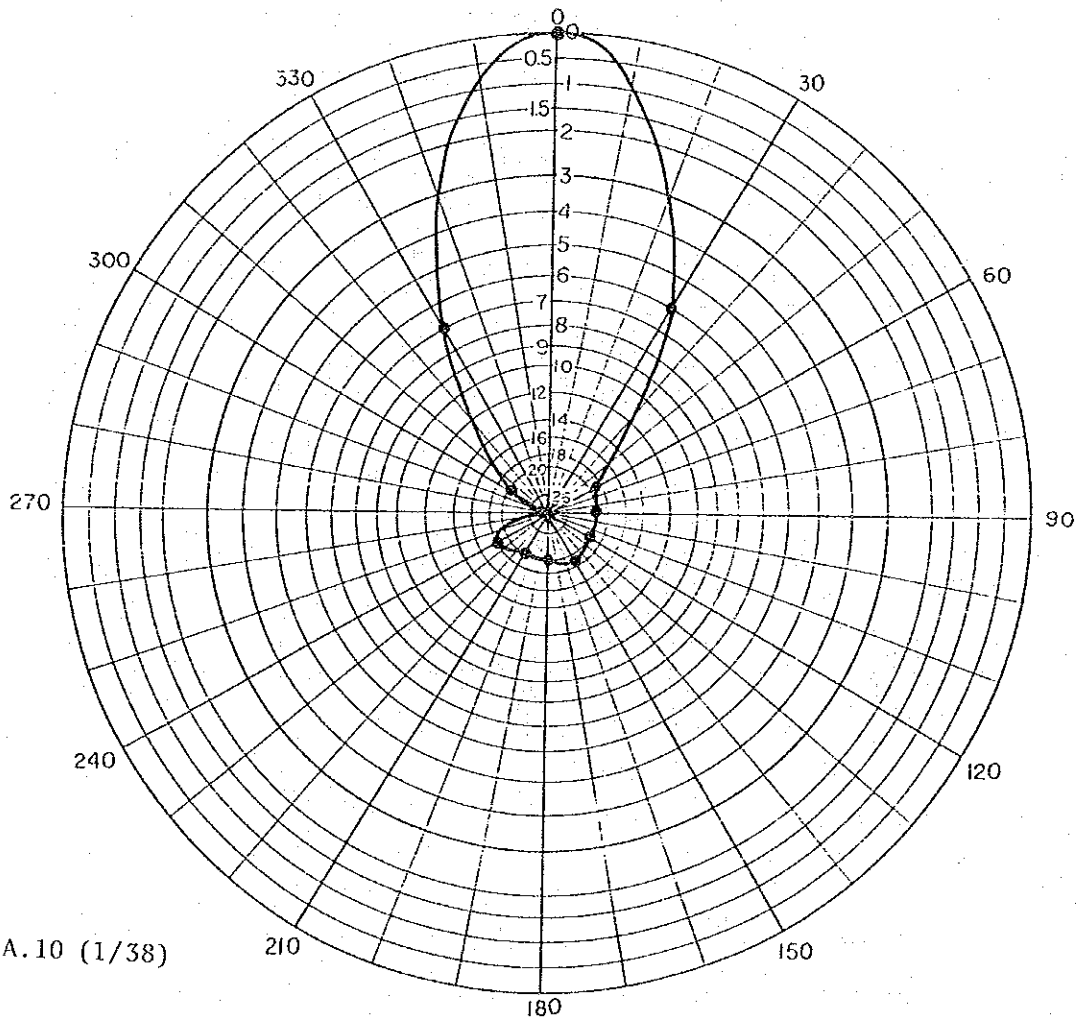


Fig. A.10 (1/38)

Party Station True Bearings: 036° (BAGUIO RADAR)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	64 dB <sub>u</sub>	58	45	44	44	45	44	44	46	27	43	57
Deviation	0 dB	6	19	20	20	19	20	20	18	37	21	7

## Antenna Rotation Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
Measured Date : 21 JAN. '84  
Weather Condition: FINE

### 1. Setting Terms

Station Name	DAGUPAN	BAGUIO RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 w, Pr: 0.1 w	Pf: 24 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( DAGUPAN Transmit → BAGUIO RADAR Receive )

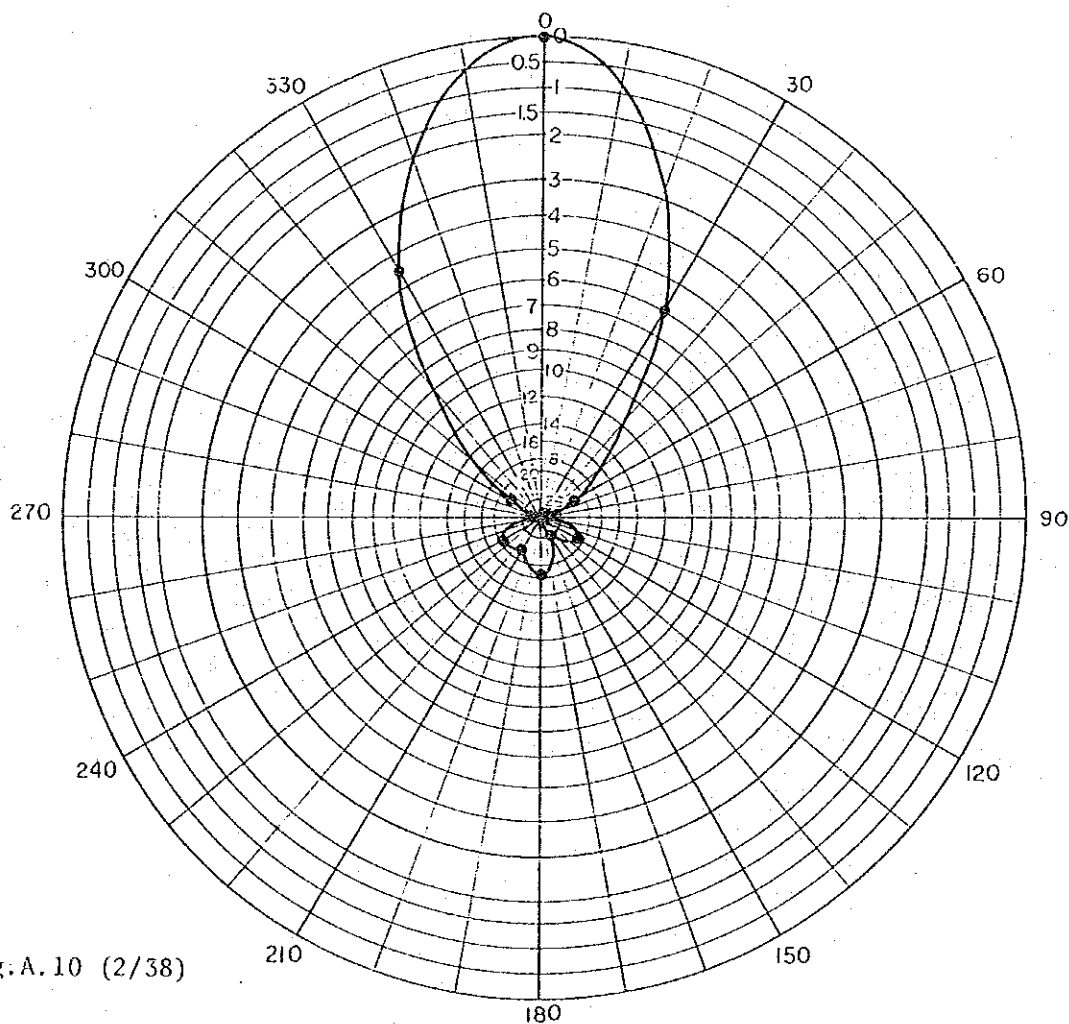


Fig.A.10 (2/38)

Party Station True Bearings: 216° (DAGUPAN)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	63.5 dB <sub>u</sub>	57.5	40.5	20	42	35.5	45	41	43	26.5	41	59
Deviation	0 dB	6	23	43.5	21.5	26	18.5	22.5	20.5	37	22.5	4.5

## Antenna Rotation Pattern (DAGUPAN Station)

Measured Station : DAGUPAN  
 Measured Date : 21 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	BAGUIO RADAR	DAGUPAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 28 w, Pr: 0.8 w	Pf: 25 w, Pr: 0.8 w
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( BAGUIO RADAR → DAGUPAN )

Transmit → Receive

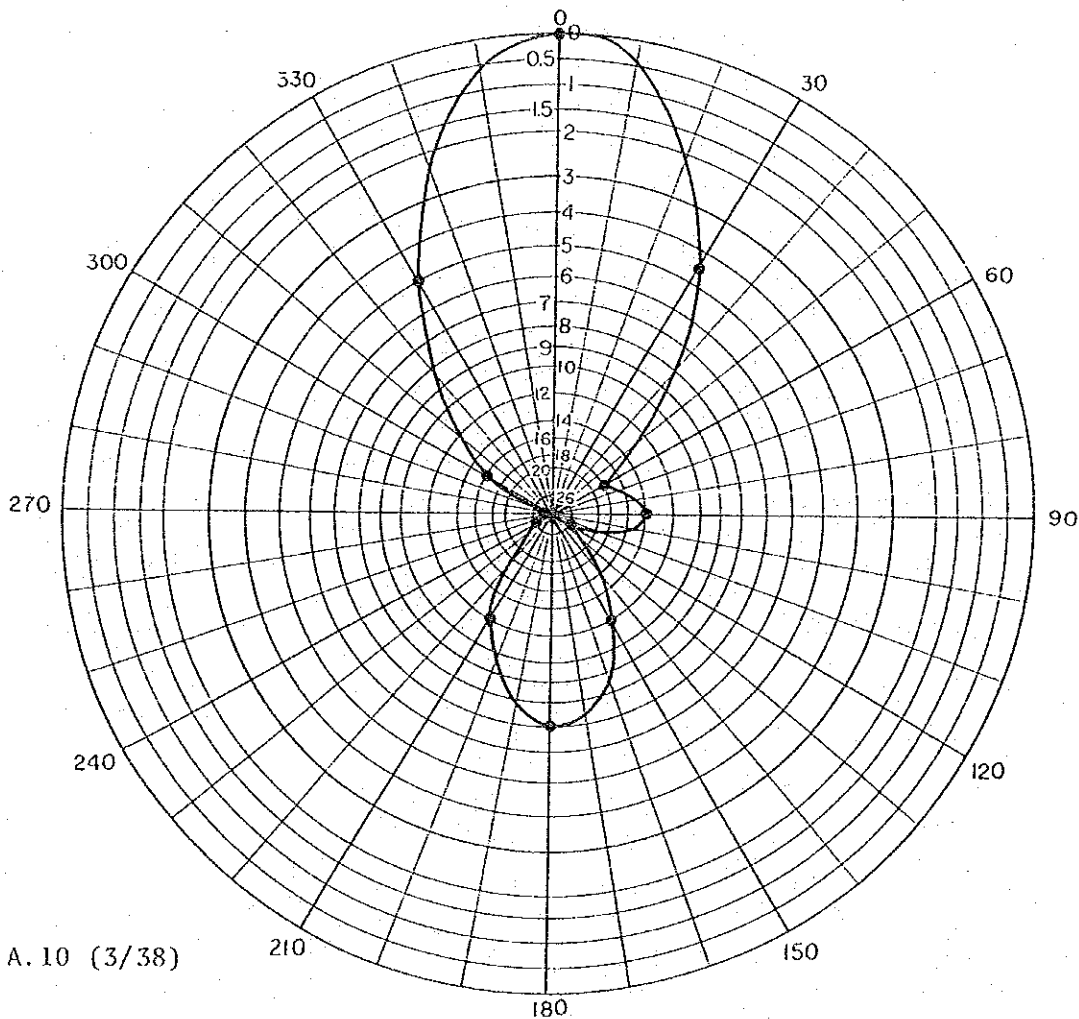


Fig.A.10 (3/38)

Party Station True Bearings: 036° (BAGUIO RADAR)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	60 dBμ	55.5	42	46	34	48	53	48	34	28	44	55
Deviation	0 dB	4.5	18	14	26	12	7	12	26	32	16	5

## Antenna Rotation Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
 Measured Date : 21 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	DAGUPAN	BAGUIO RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 w, Pr: 0.8 w	Pf: 28 w, Pr: 0.8 w
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( DAGUPAN Transmit → BAGUIO RADAR Receive )

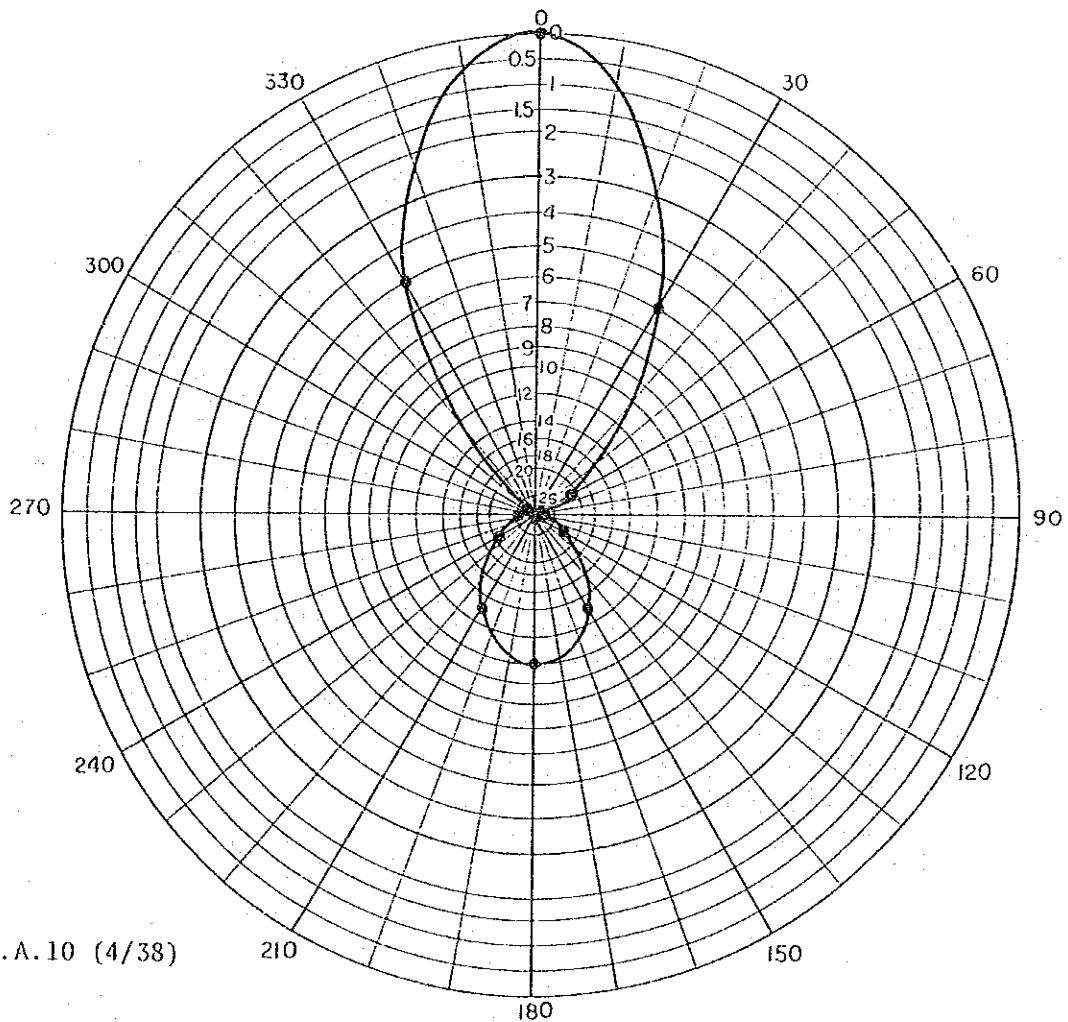


Fig.A.10 (4/38)

Party Station True Bearings: 216° (DAGUPAN)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	60 dBμ	54	38	20	37	47	50	47	39	33	30	55
Deviation	0 dB	6	22	40	23	13	10	13	21	27	30	5



## Antenna Rotation Pattern (VIGAN Station)

Measured Station : VIGAN  
 Measured Date : 23 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item	BAGUIO RADAR	VIGAN
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 w, Pr: 0.05 w	Pf: 27 w, Pr: 0.3 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( BAGUIO RADAR Transmit → VIGAN Receive )

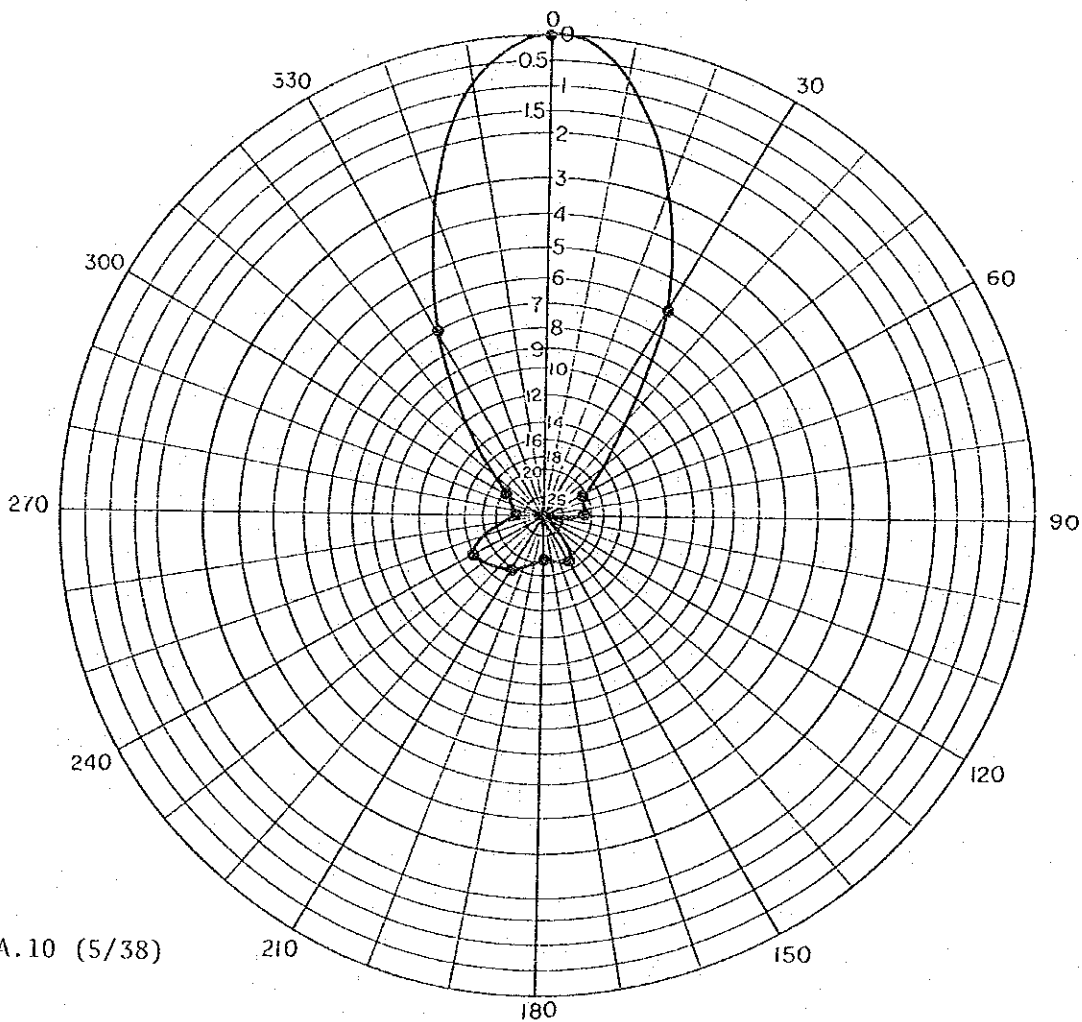


Fig. A.10 (5/38)

Party Station True Bearings: 172° (BAGUIO RADAR)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	57.5 dBμ	51.5	35	35	28	38	37	40	42	33	37	50.5
Deviation	0 dB	6	22.5	22.5	29.5	19.5	20.5	17.5	15.5	24.5	20.5	7

## Antenna Rotation Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
 Measured Date : 23 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item	Station Name	VIGAN	BAGUIO RADAR
Test Frequency		150.000 MHz	150.000 MHz
Transmitting Power		Pf: 27 w, Pr: 0.3 w	Pf: 27 w, Pr: 0.05 w
Used Antenna		5 ELE. YAGI	5 ELE. YAGI
Antenna Height		15 m	15 m
Used Feeder		8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( VIGAN Transmit → BAGUIO RADAR Receive )

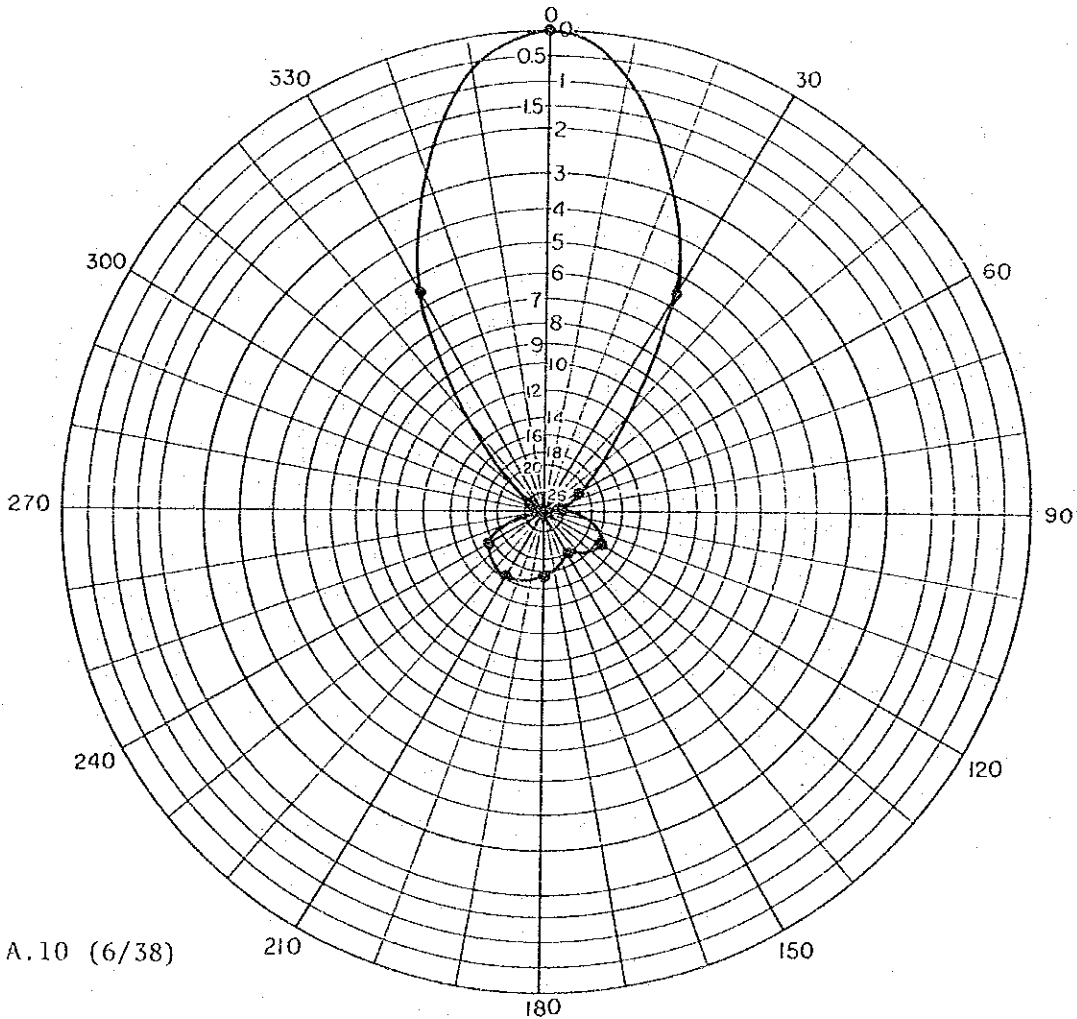


Fig.A.10 (6/38)

Party Station True Bearings: 352° (VIGAN)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	57.5 dBu	52	35	31	40	37.5	40	41	40	25	30	52
Deviation	0 dB	5.5	22.6	26.5	17.5	20	17.5	16.5	17.5	32.5	27.5	5.5

## Antenna Rotation Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
 Measured Date : 23 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	VIGAN	BAGUIO RADAR
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 28 w, Pr: 0.8 w	Pf: 28 w, Pr: 0.8 w
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( VIGAN Transmit → BAGUIO RADAR Receive )

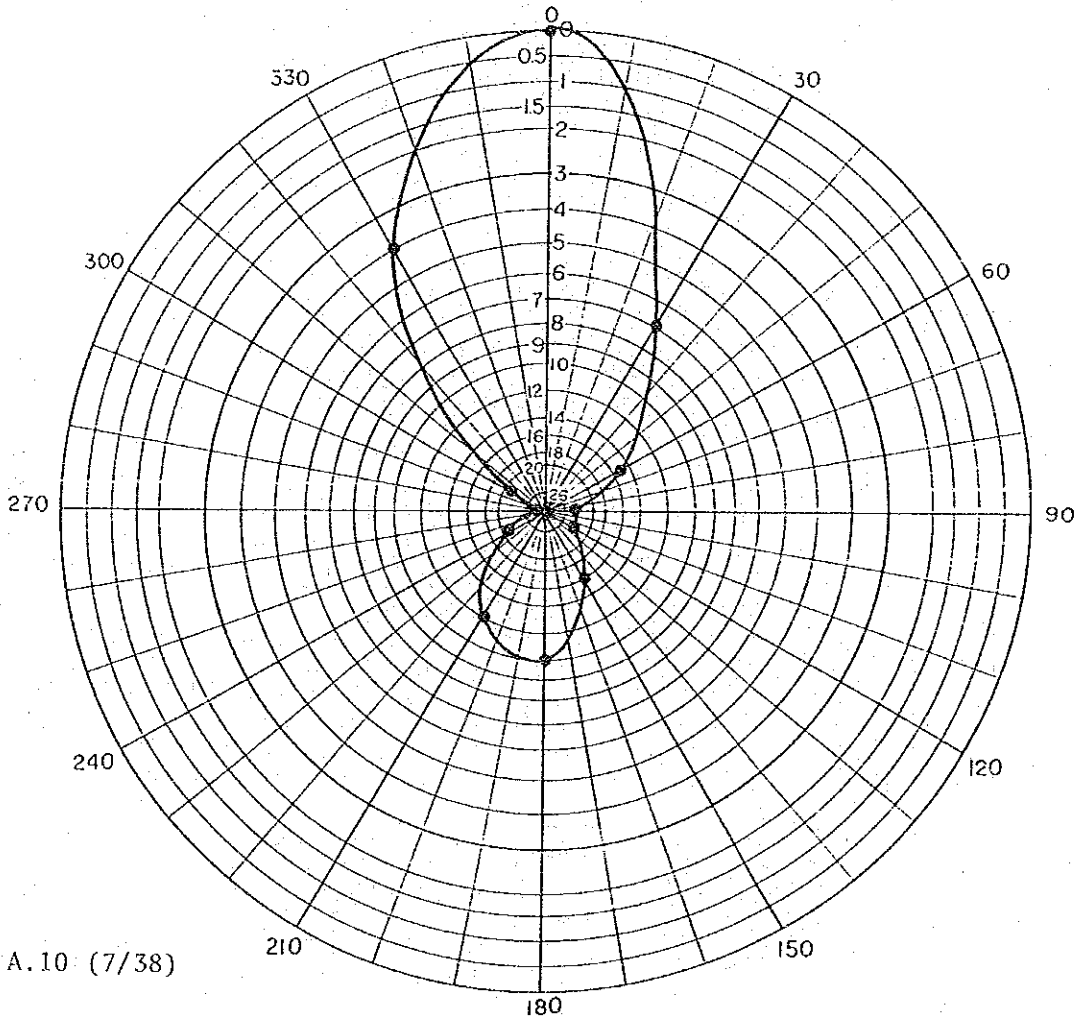


Fig.A.10 (7/38)

Party Station True Bearings: 352° (VIGAN)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	56 dBμ	49	41	32	33	40	46	44	35	20	34	52
Deviation	0 dB	7	15	24	23	16	10	12	21	36	22	4

## Antenna Rotation Pattern (VIGAN Station)

Measured Station : VIGAN  
Measured Date : 23 JAN. '84  
Weather Condition: FINE

### 1. Setting Terms

Station Name	BAGUIO RADAR	VIGAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 28 w, Pr: 0.8 w	Pf: 28 w, Pr: 0.8 w
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( BAGUIO RADAR Transmit → VIGAN Receive )

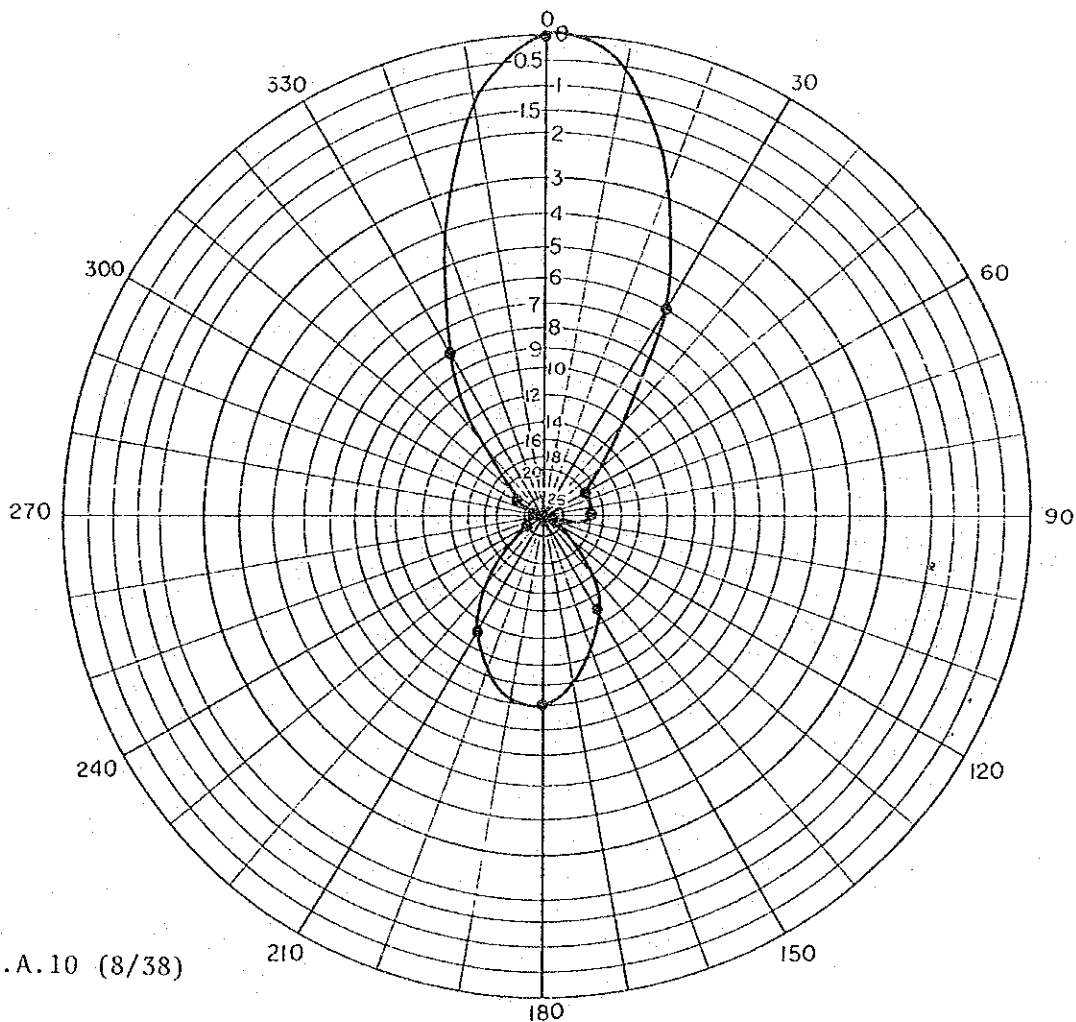


Fig.A.10 (8/38)

Party Station True Bearings: 172° (BAGUIO RADAR)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	54 dBμ	48	34	34	24	41	46	43	28	20	30	46
Deviation	0 dB	6	20	20	30	13	8	11	26	34	24	8

## Antenna Rotation Pattern (BAGUIO RADAR Station)

Measured Station : BAGUIO RADAR  
 Measured Date : 24 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	LAOAG	BARUIO RADAR
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 w, Pr: 0.1 w	Pf: 27 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( LAOAG Transmit → BAGUIO RADAR Receive )

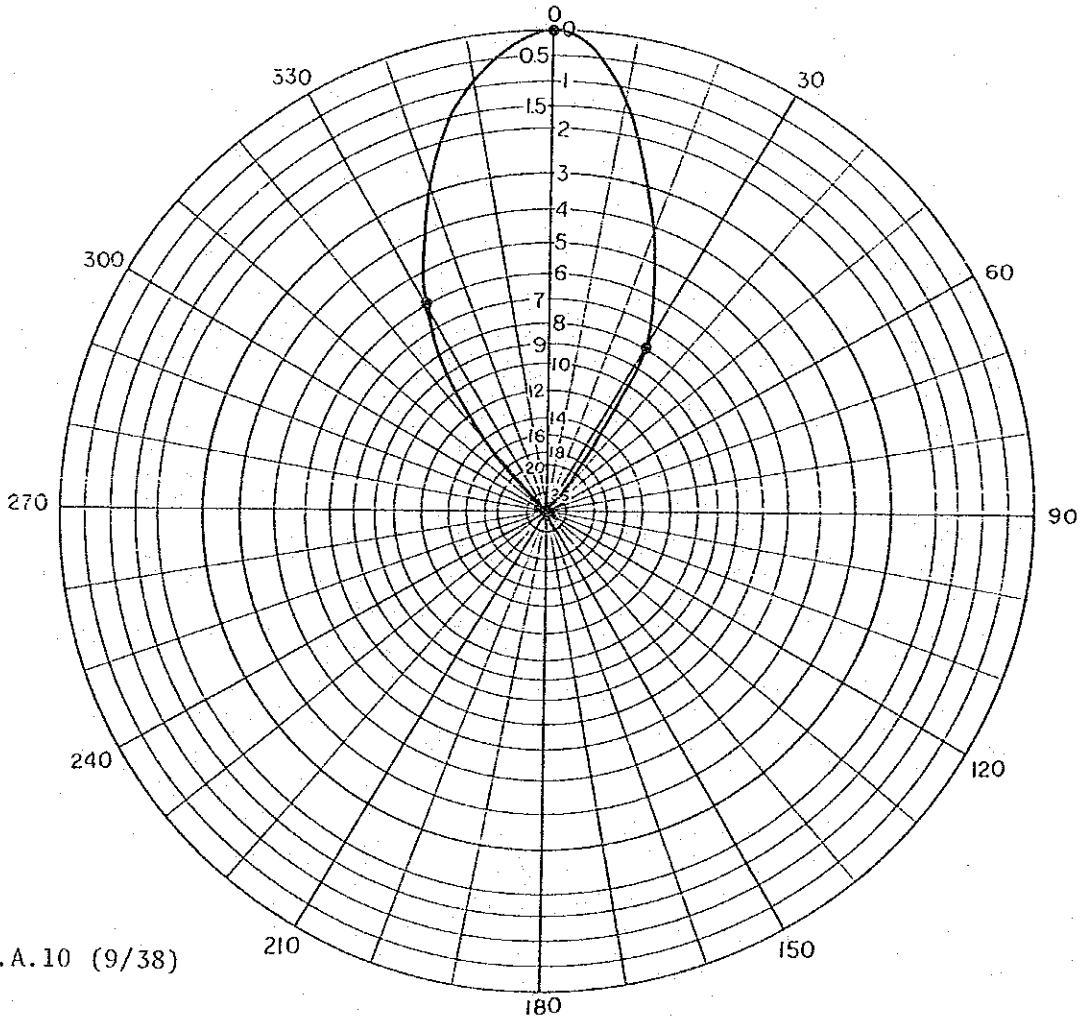


Fig.A.10 (9/38)

Party Station True Bearings: 359° (LAOAG)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	5 dBμ	-3	-	-	-	-	-	-	-	-	-	-1
Deviation	0 dB	8	-	-	-	-	-	-	-	-	-	6

## Antenna Rotation Pattern (LAOAG Station)

Measured Station : LAOAG  
 Measured Date : 24 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	BAGUIO RADAR	LAOAG
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 w, Pr: 0.1 w	Pf: 27 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( BAGUIO RADAR Transmit → LAOAG Receive )

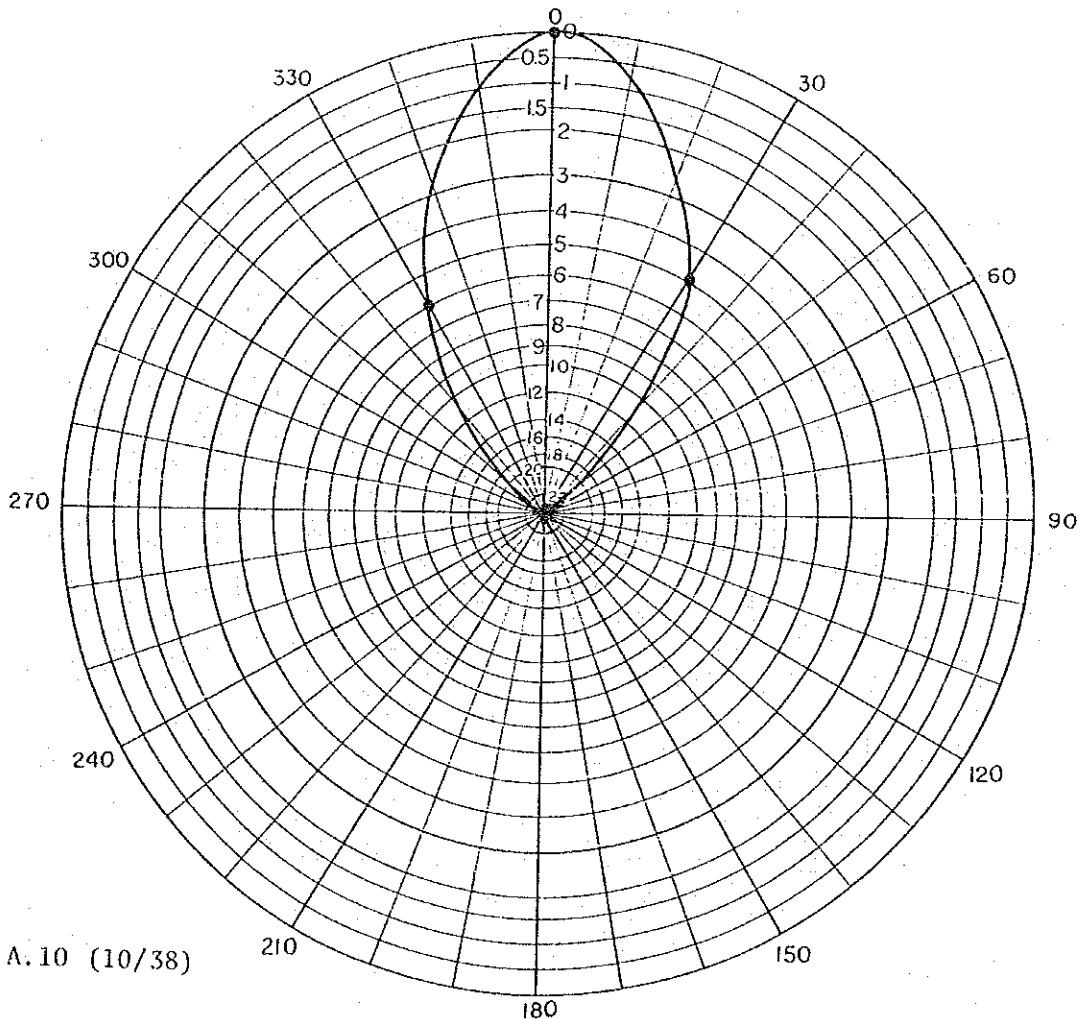


Fig.A.10 (10/38)

Party Station True Bearings: 179° (BAGUIO RADAR)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	6 dBμ	1	-	-	-	-	-	-	-	-	-	0
Deviation	0 dB	5	-	-	-	-	-	-	-	-	-	6

## Antenna Rotation Pattern (LAOAG Station)

Measured Station : LAOAG  
Measured Date : 26 JAN. '84  
Weather Condition: FINE

### 1. Setting Terms

Station Name	VIGAN	LAOAG
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 w, Pr: 0.1 w	Pf: 25 w, Pr: 0.2 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( VIGAN Transmit → LAOAG Receive )

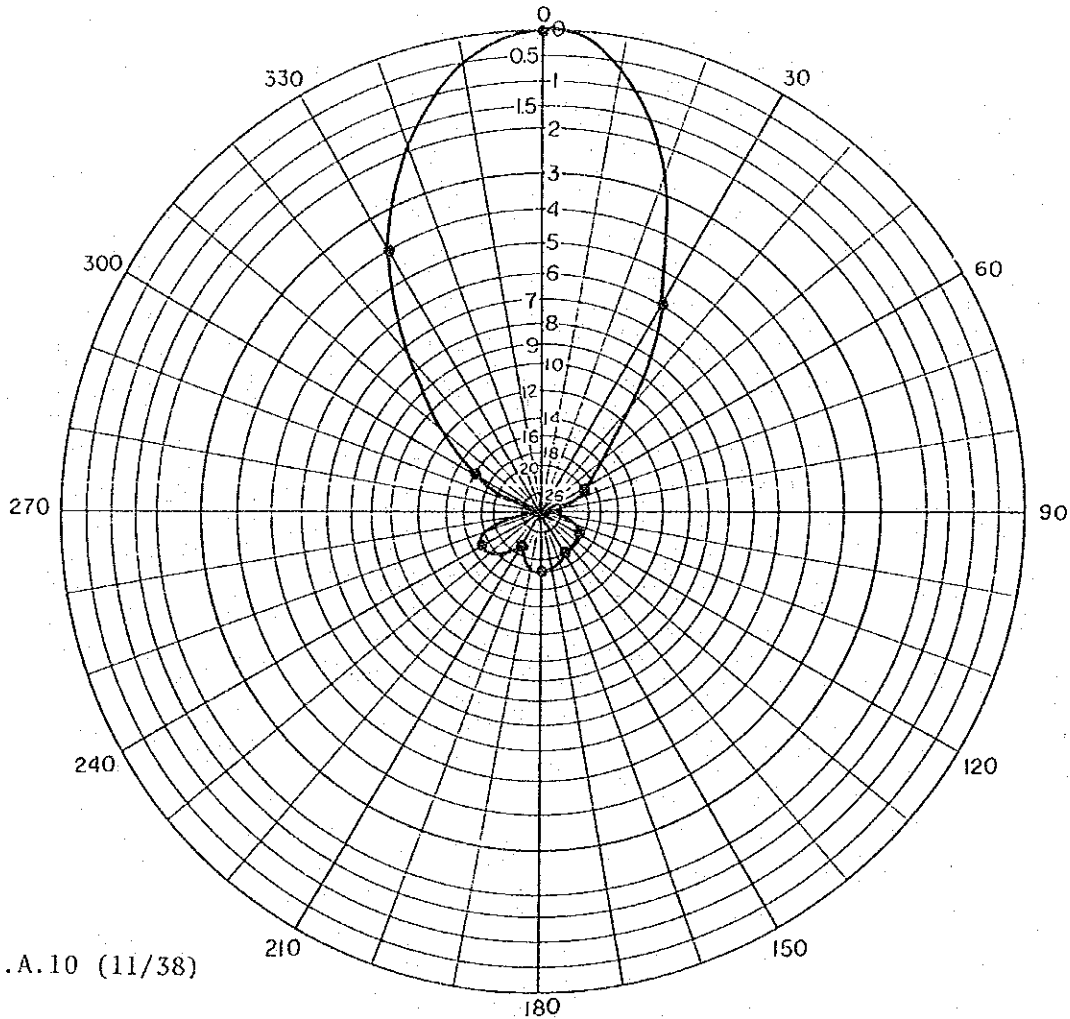


Fig.A.10 (11/38)

Party Station True Bearings: 194° (VIGAN)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	24 dBμ	18	4	-	3	4	6	2	7	-	8	20
Deviation	0 dB	6	20	-	21	20	18	22	17	-	16	4

## Antenna Rotation Pattern (VIGAN Station)

Measured Station : VIGAN  
 Measured Date : 26 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	LAOAG	VIGAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 w, Pr: 0.2 w	Pf: 26 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( LAOAG Transmit → VIGAN Receive )

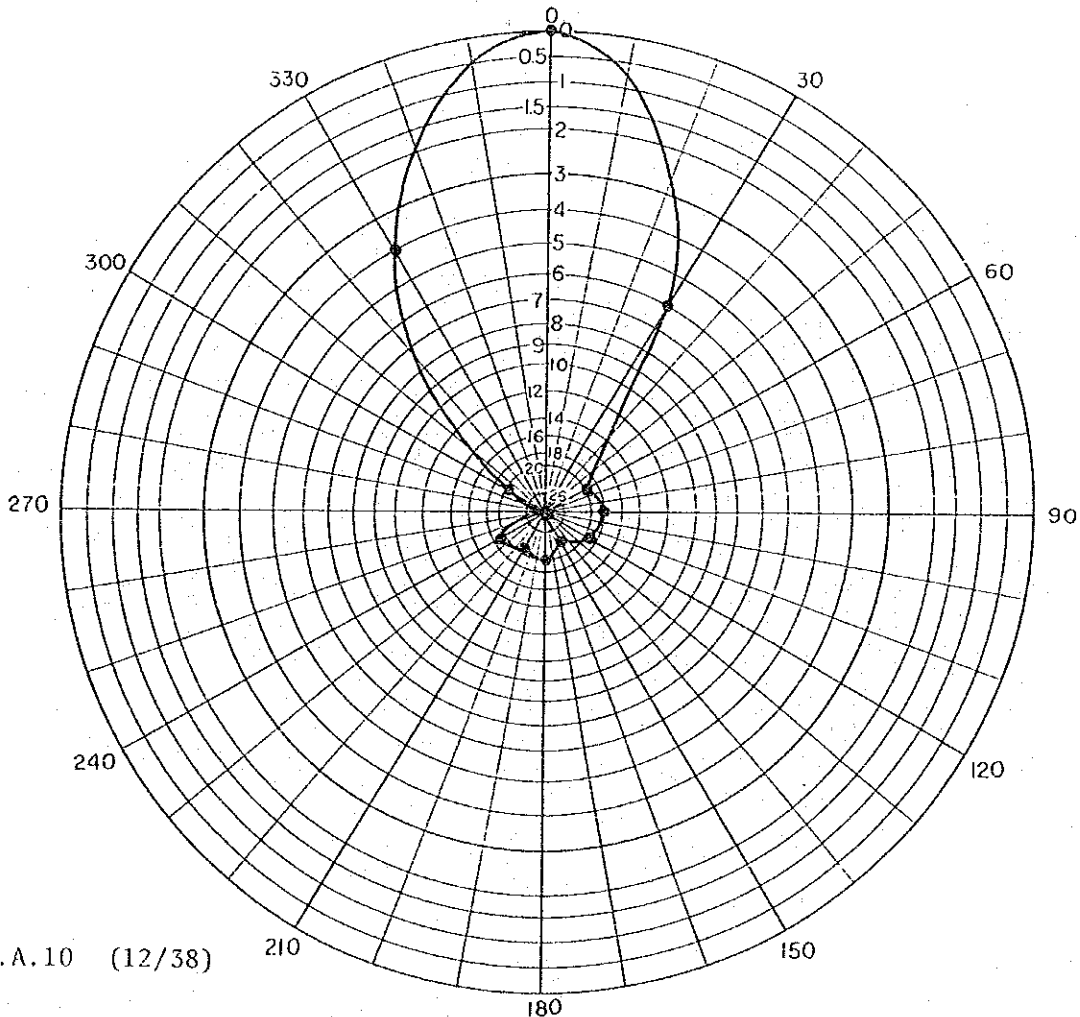


Fig.A.10 (12/38)

Party Station True Bearings: 14° (LAOAG)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	24 dBμ	18	4	6	5	1	4	2.5	4.5	-	3	20
Deviation	0 dB	6	20	18	19	23	20	21.5	19.5	-	21	4



## Antenna Rotation Pattern (LAOAG Station)

Measured Station : LAOAG  
 Measured Date : 26 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item	VIGAN	LAOAG
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 w, Pr: 0.7 w	Pf: 26 w, Pr: 1.6 w
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( VIGAN Transmit → LAOAG Receive )

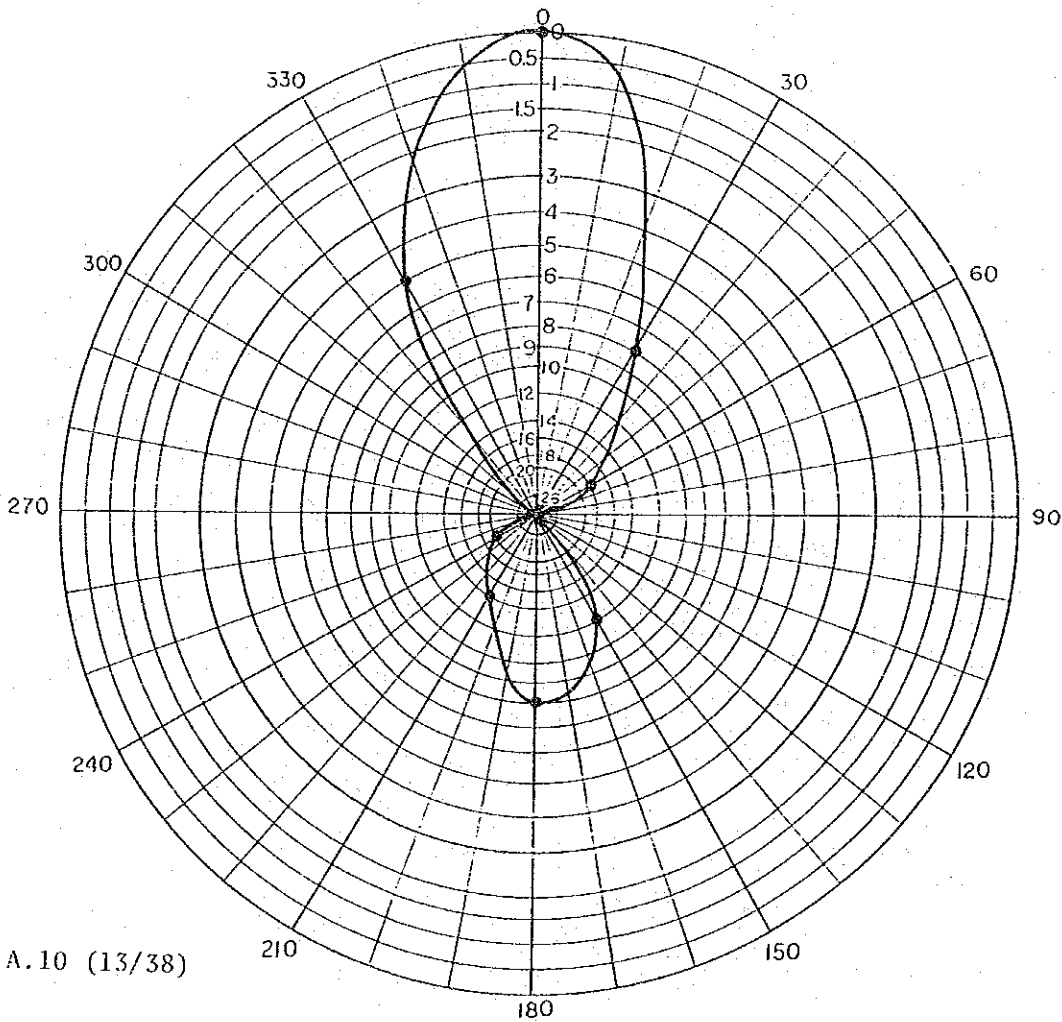


Fig.A.10 (13/38)

Party Station True Bearings: 194° (VIGAN)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	18 dBu	10	0	-	-	6	10	4	-2	-	-	13
Deviation	0 dB	8	18	-	-	12	8	14	20	-	-	5

## Antenna Rotation Pattern (VIGAN Station)

Measured Station : VIGAN  
 Measured Date : 26 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	LAOAG	VIGAN
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 w, Pr: 1.6 w	Pf: 25 w, Pr: 0.7 w
Used Antenna	8 ELE. YAGI	8 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( LAOAG Transmit → VIGAN Receive )

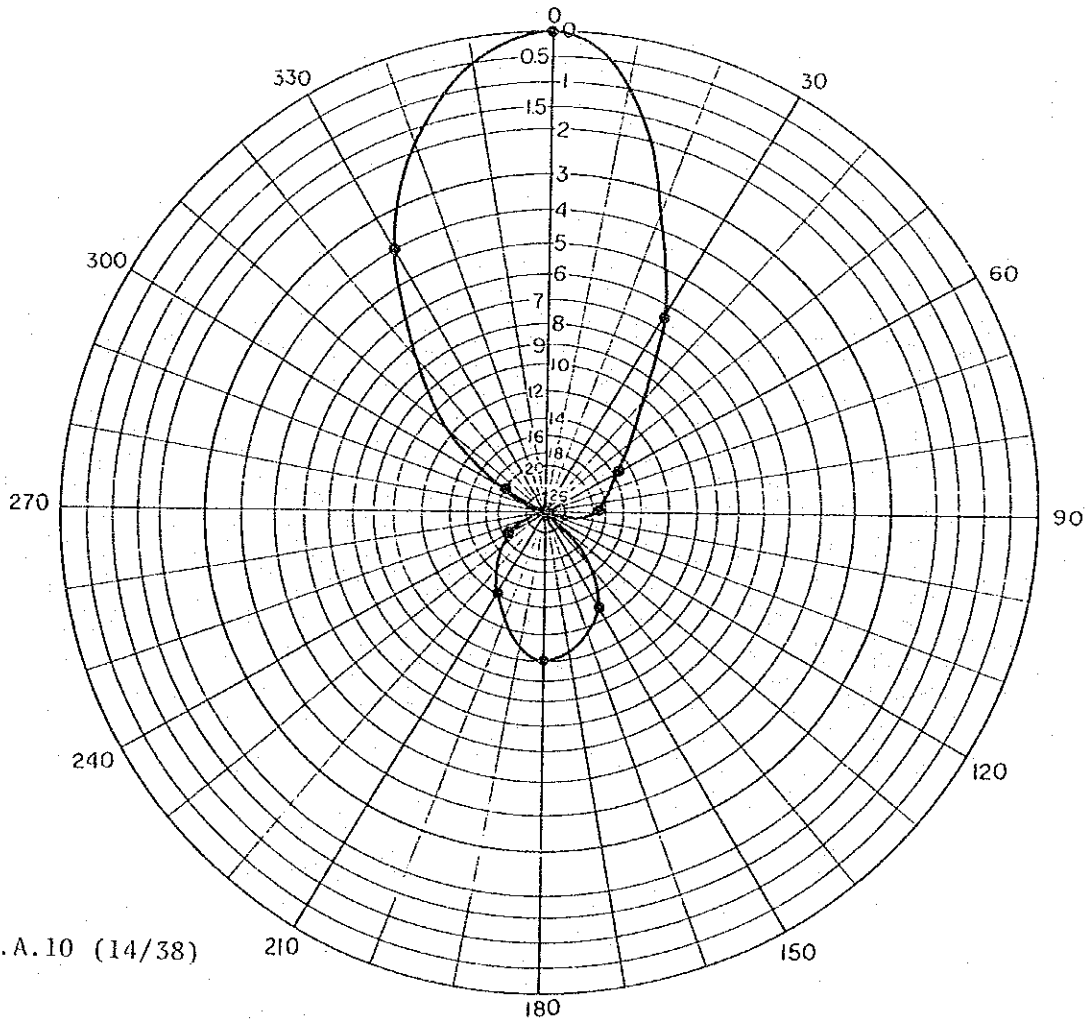


Fig.A.10 (14/38)

Party Station True Bearings: 014° (LAOAG)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	19 dBμ	12.5	3.5	0	-	6.5	9	5	-2	-	-1	15
Deviation	0 dB	6.5	15.5	19	-	12.5	10	14	21	-	20	4

## Antenna Rotation Pattern (MUÑOZ Station)

Measured Station : MUÑOZ  
Measured Date : 28 JAN. '84  
Weather Condition: FINE

### 1. Setting Terms

Item	Station Name CARMEN ROSALES	MUÑOZ
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24 w, Pr: 0.2 w	Pf: 27 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( CARMEN ROSALES → MUÑOZ ) Transmit Receive

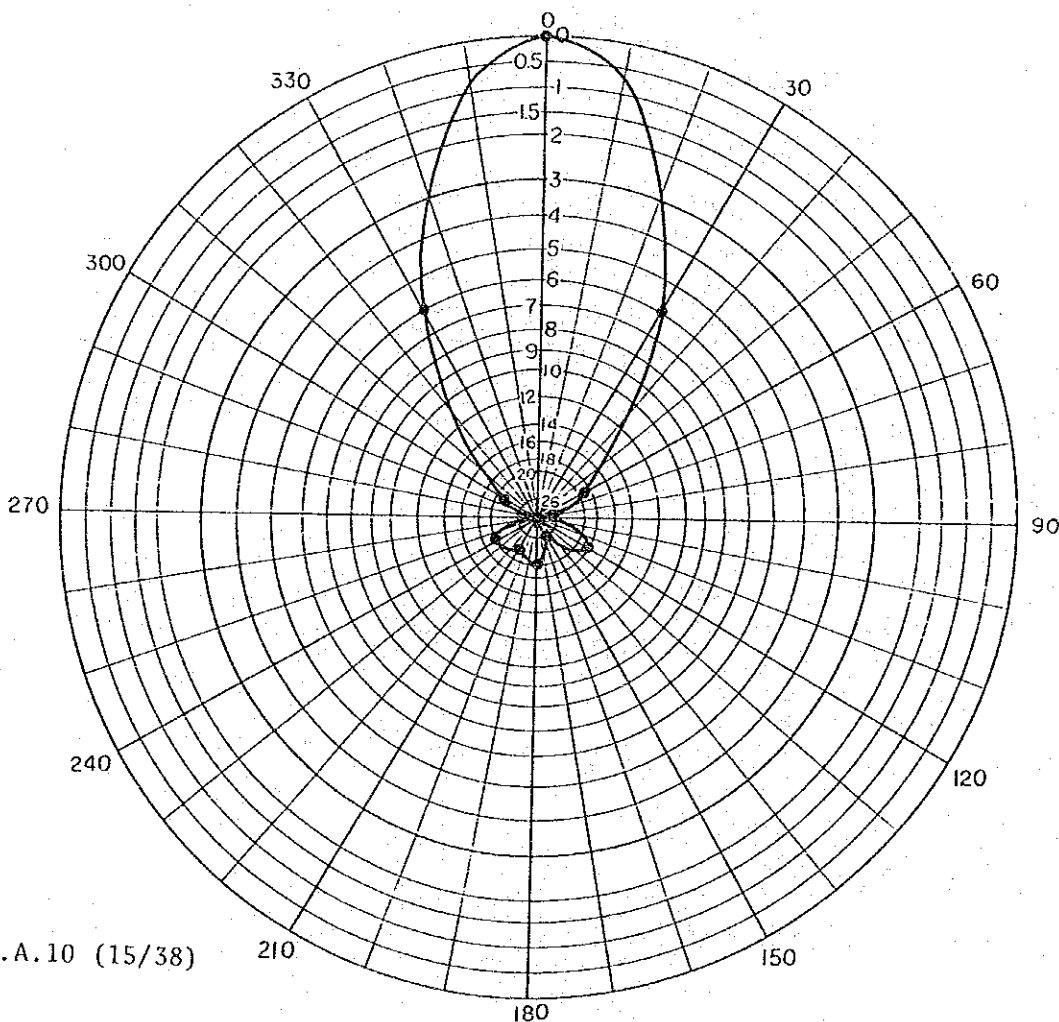


Fig.A.10 (15/38)

Party Station True Bearings: 295° (CARMEN ROSALES)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	32 dBu	26	13	5	14	6	12	10	12	-	10	26
Deviation	0 dB	6	19	27	18	26	20	22	20	-	22	6

## Antenna Rotation Pattern (CARMEN ROSALES Station)

Measured Station : CARMEN ROSALES  
 Measured Date : 28 JAN. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item	MUÑOZ	CARMEN ROSALES
Station Name	MUÑOZ	CARMEN ROSALES
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 w, Pr: 0.1 w	Pf: 24 w, Pr: 0.2 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( MUÑOZ Transmit → CARMEN ROSALES Receive )

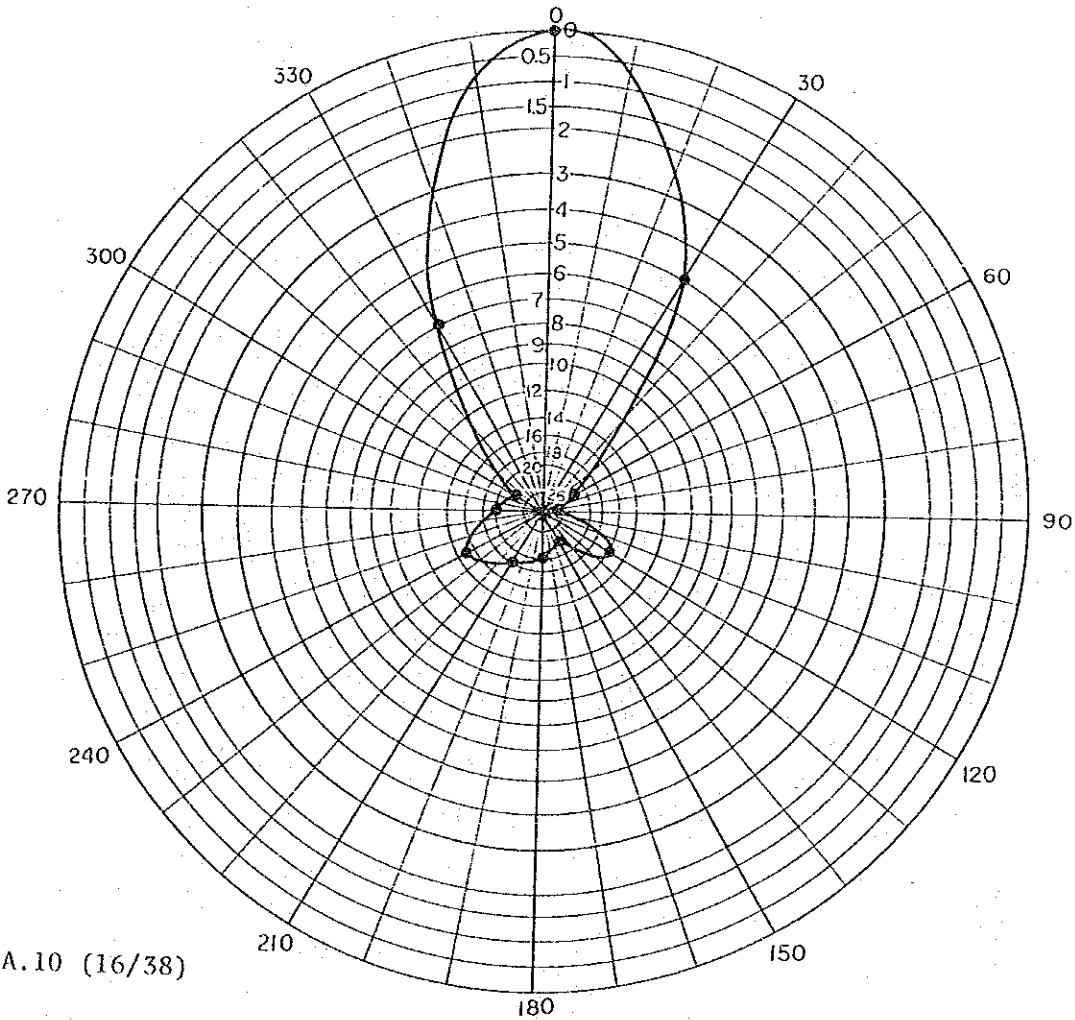


Fig.A.10 (16/38)

Party Station True Bearings: 115° (MUÑOZ)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	33 dBμ	28	10	4	17	10	13	15	18	13	10	26
Deviation	0 dB	5	23	29	16	23	20	18	15	20	23	7

## Antenna Rotation Pattern (MUÑOZ Station)

Measured Station : MUÑOZ  
 Measured Date : 30 JAN. '84  
 Weather Condition: RAIN

### 1. Setting Terms

Item	BALER RADAR	MUÑOZ
Station Name	BALER RADAR	MUÑOZ
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24 w, Pr: 0.1 w	Pf: 26 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( BALER RADAR Transmit → MUÑOZ Receive )

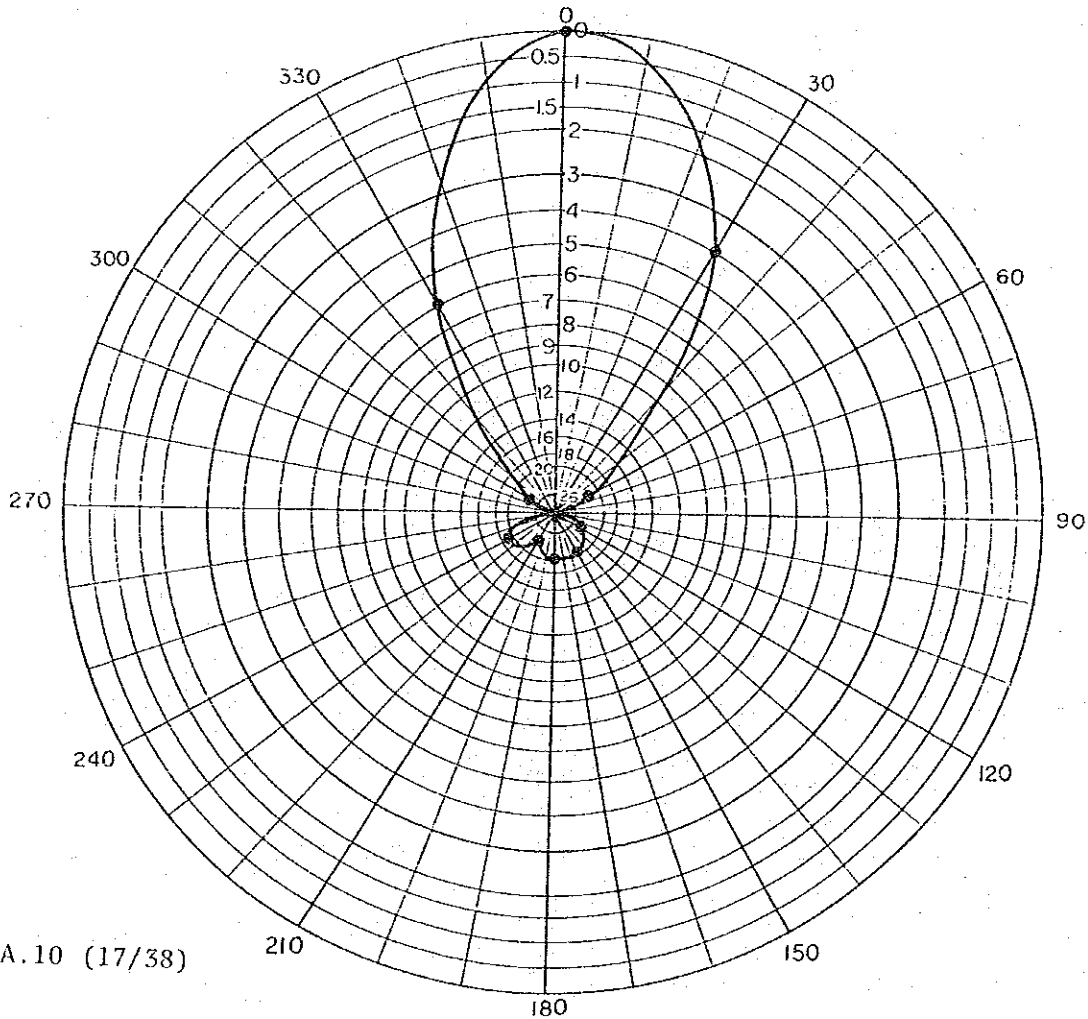


Fig.A.10 (17/38)

Party Station True Bearings: 089° (BALER RADAR)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	24 dBμ	20	1	-	0	3	4	1	5	-	0	18
Deviation	0 dB	4	23	-	24	21	20	23	19	-	24	6

## Antenna Rotation Pattern (BALER RADAR Station)

Measured Station : BALER RADAR  
Measured Date : 30 JAN. '84  
Weather Condition: RAIN

### 1. Setting Terms

Item	Station Name	MUÑOZ	BALER RADAR
Test Frequency		150.000 MHz	150.000 MHz
Transmitting Power		Pf: 26 w, Pr: 0.1 w	Pf: 24 w, Pr: 0.1 w
Used Antenna		5 ELE. YAGI	5 ELE. YAGI
Antenna Height		15 m	15 m
Used Feeder		8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( MUÑOZ Transmit → BALER RADAR Receive )

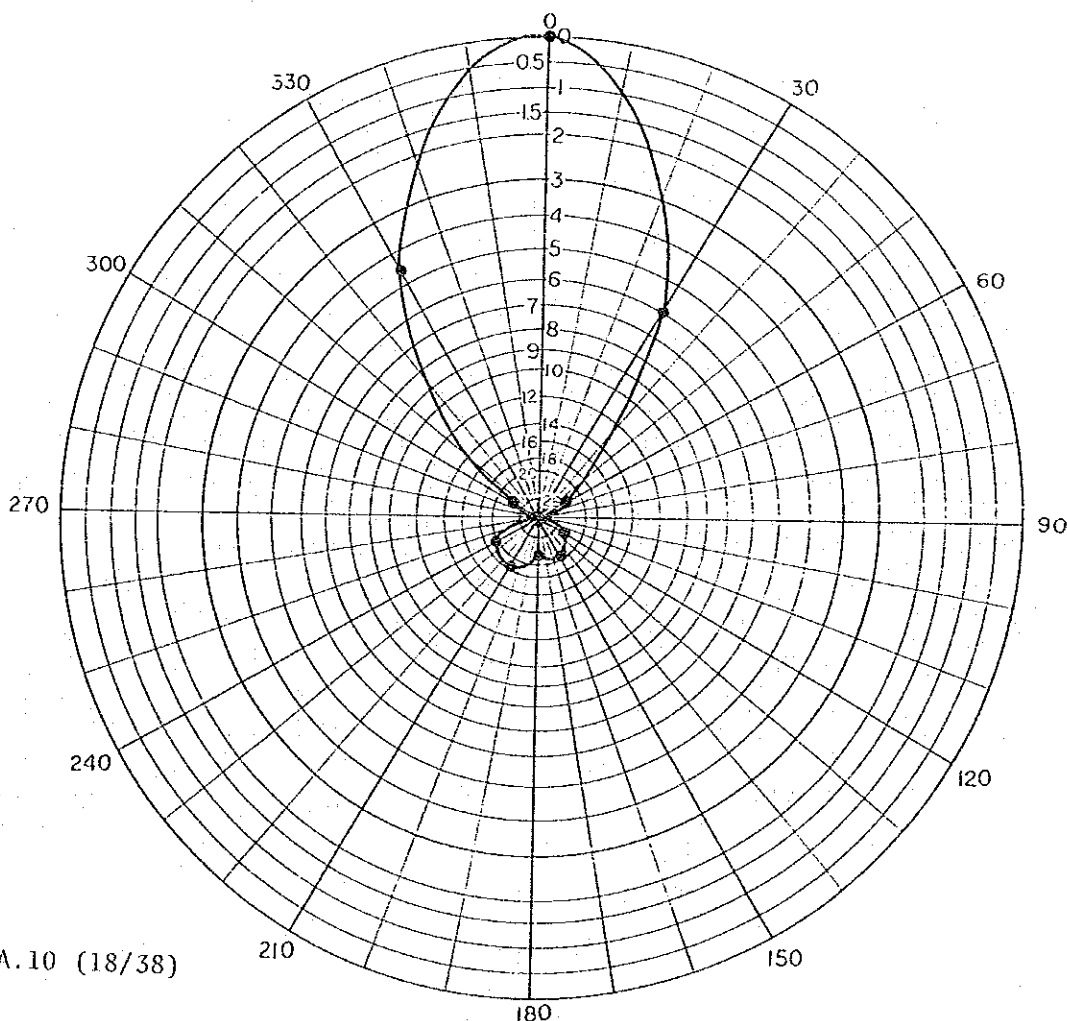


Fig.A.10 (18/38)

Party Station True Bearings: 269° (MUÑOZ)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	24.5 dBμ	18.5	0	-	0	4	3	6	5	-	1	20
Deviation	0 dB	6	24.5	-	24.5	20.5	21.5	18.5	19.5	-	23.5	4.5

## Antenna Rotation Pattern (BALER RADAR Station)

Measured Station : BALER RADAR  
Measured Date : 2 FEB. '84  
Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	CASIGURAN	BALER RADAR
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 w, Pr: 0.3 w	Pf: 23 w, Pr: 0.2 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( CASIGURAN Transmit → BALER RADAR Receive )

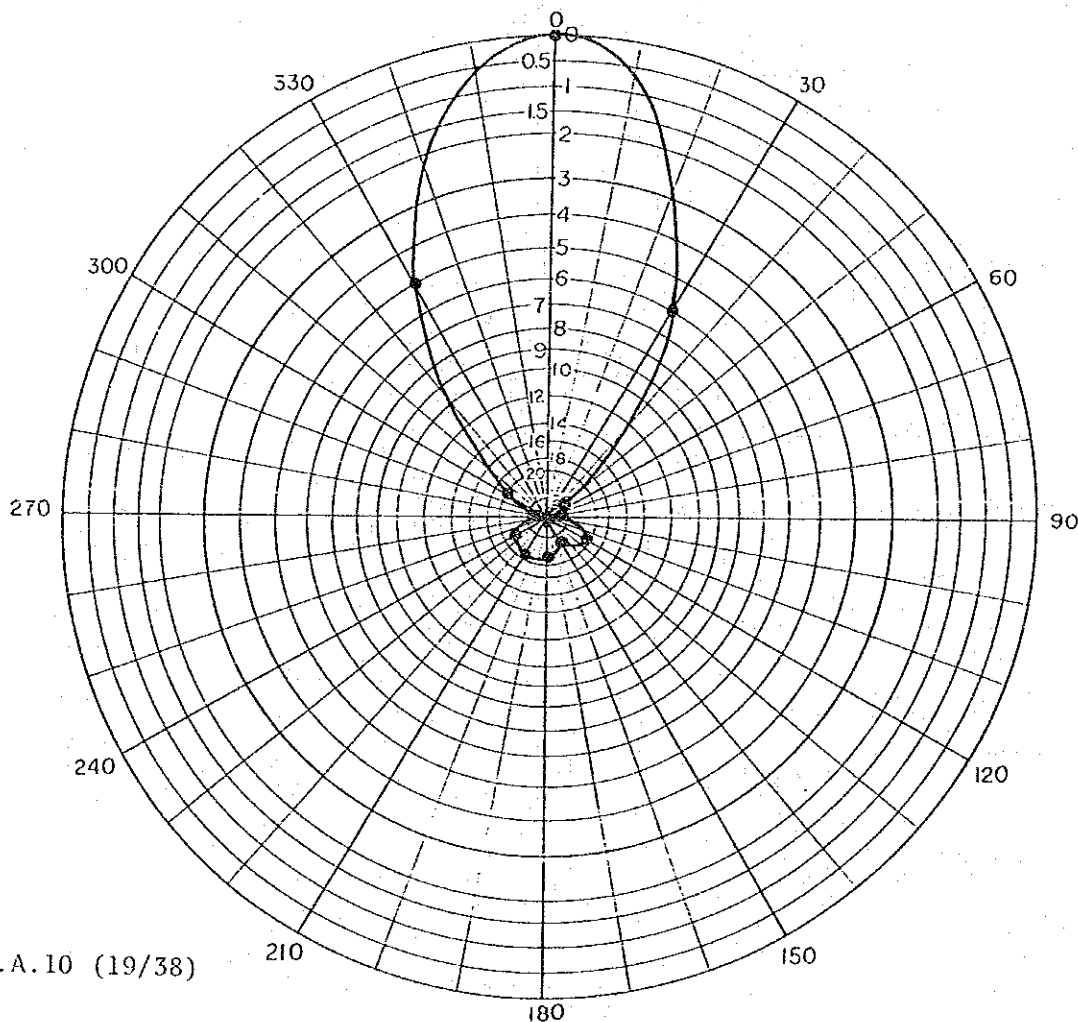


Fig.A.10 (19/38)

Party Station True Bearings: 043° (CASIGURAN)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	33 dBμ	27	7	2	12	8.5	11	12	10.5	-1	13	28
Deviation	0 dB	6	26	31	21	24.5	22	21	22.5	34	20	5

## Antenna Rotation Pattern (CASIGURAN Station)

Measured Station : CASIGURAN  
Measured Date : 2 FEB. '84  
Weather Condition: FINE

### 1. Setting Terms

Station Name	BALER RADAR	CASIGURAN
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 23 w, Pr: 0.2 w	Pf: 27 w, Pr: 0.3 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( BALER RADAR Transmit → CASIGURAN Receive )

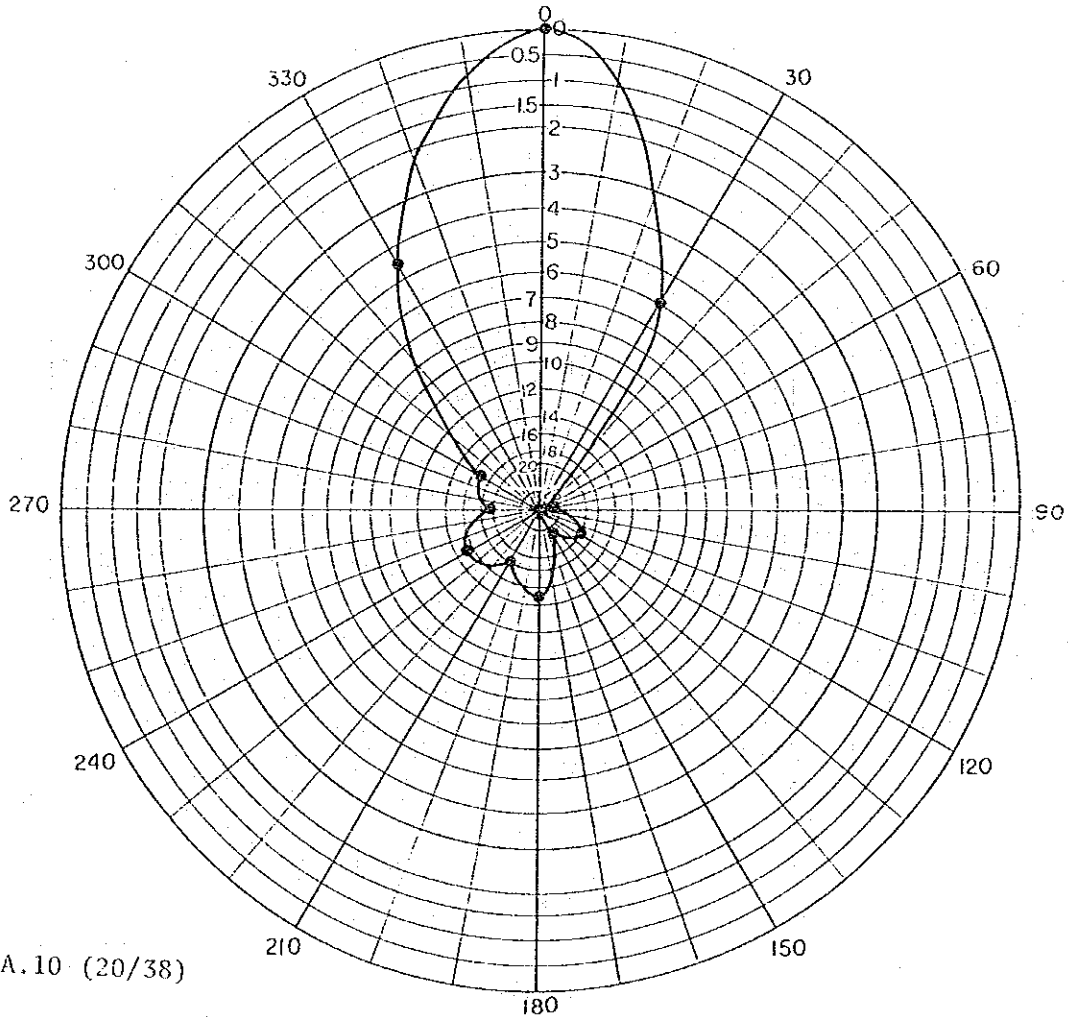


Fig.A.10 (20/38)

Party Station True Bearings: 223° (BALER RADAR)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	32 dBμ	26	-	1	12	7	17	14	17	12.5	15	27.5
Deviation	0 dB	6	-	31	20	25	15	18	15	19.5	17	4.5



## Antenna Rotation Pattern (TANAY Station)

Measured Station : TANAY  
Measured Date : 16 FEB. '84  
Weather Condition: FINE

### 1. Setting Terms

Station Name	ALABAT	TANAY
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 24.5 w, Pr: 0.05 w	Pf: 26 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( ALABAT Transmit → TANAY Receive )

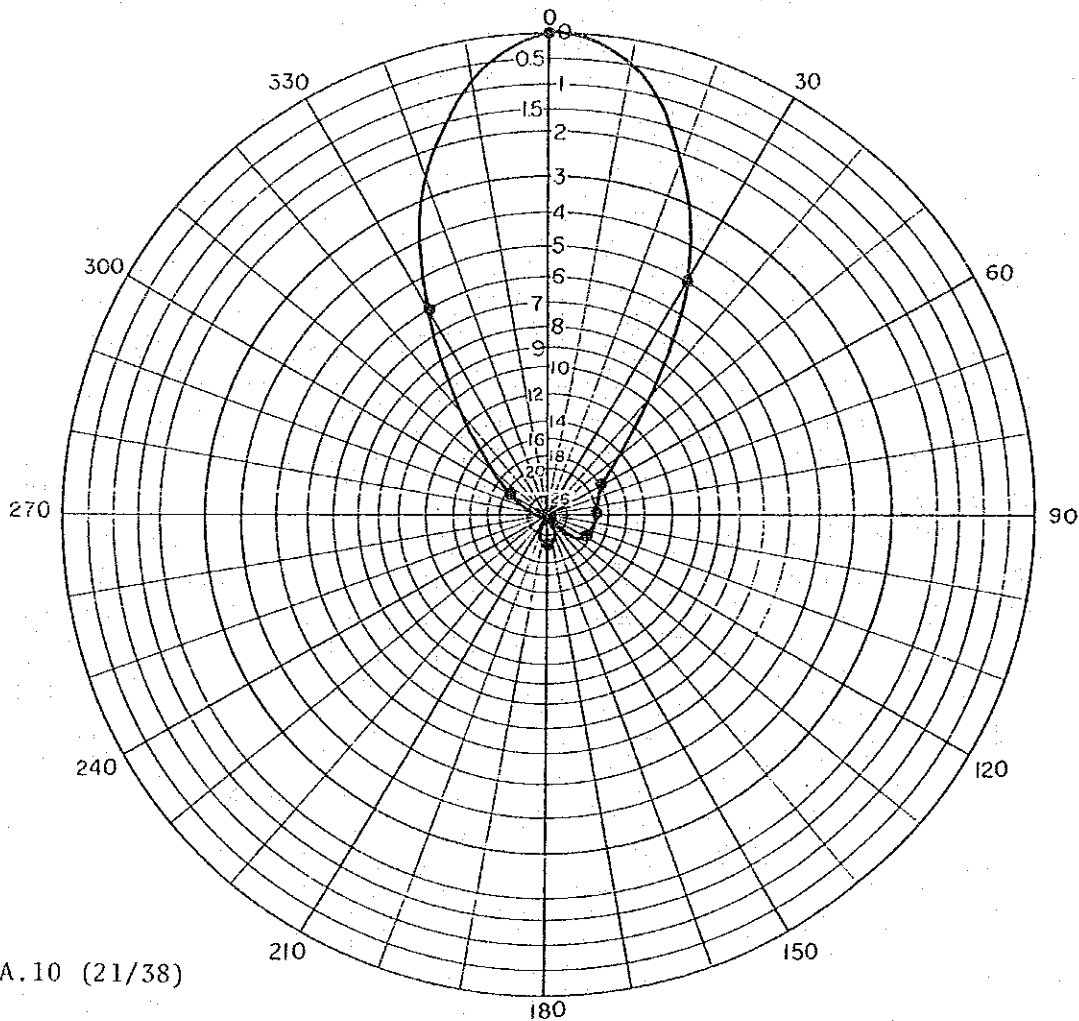


Fig.A.10 (21/38)

Party Station True Bearings: 126° (ALABAT)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	23 dBu	18	5	3	2	-	-1	-	-	-	2	17
Deviation	0 dB	5	18	20	21	-	24	-	-	-	21	6

## Antenna Rotation Pattern (ALABAT Station)

Measured Station : ALABAT  
Measured Date : 16 FEB. '84  
Weather Condition: FINE

### 1. Setting Terms

Station Name	TANAY	ALABAT
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 w, Pr: 0.1 w	Pf: 24.5 w, Pr: 0.05 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( TANAY Transmit → ALABAT Receive )

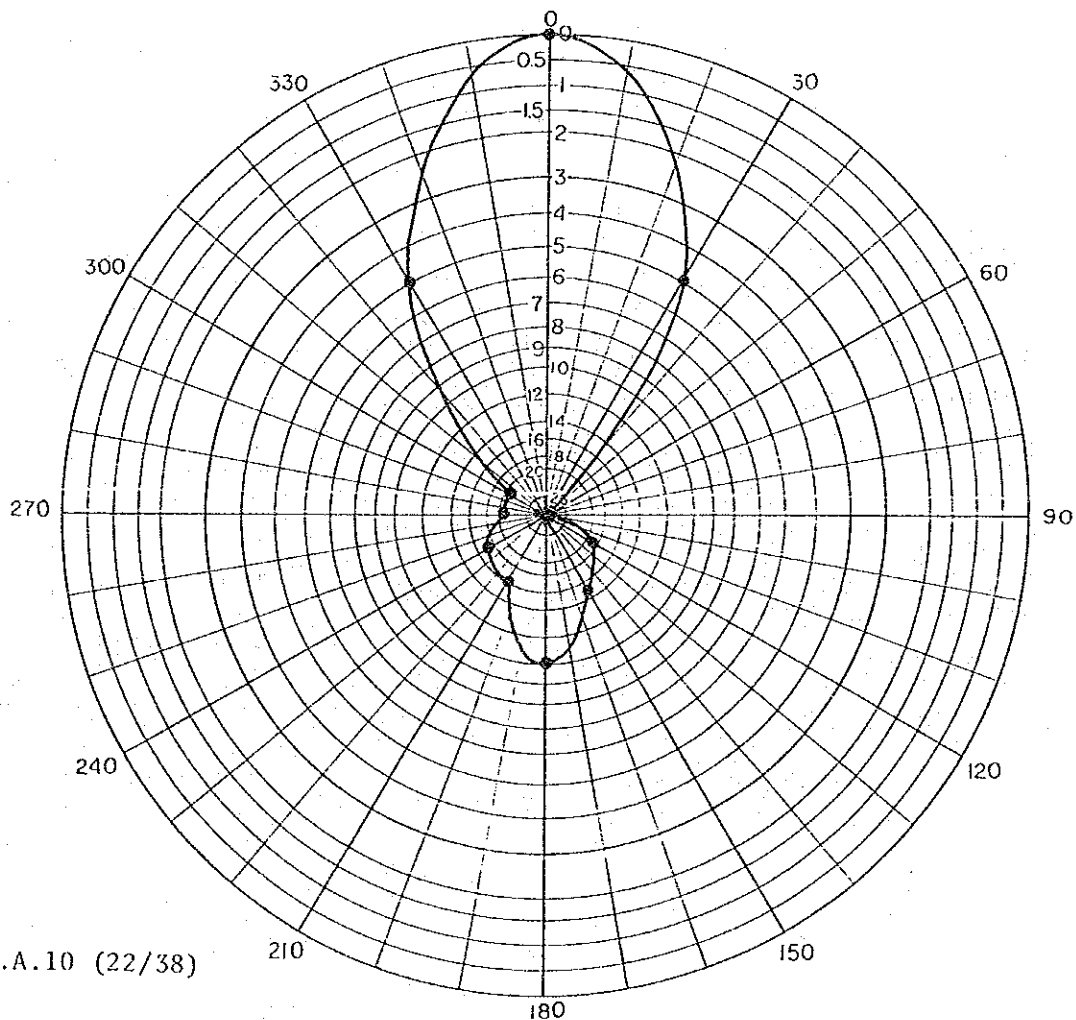


Fig.A.10 (22/38)

Party Station True Bearings: 306° (TANAY)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	23 dBμ	18	-	-	4	8	13	7	6	2	2	18
Deviation	0 dB	5	-	-	19	15	10	16	17	21	21	5

## Antenna Rotation Pattern (INFANTA Station)

Measured Station : INFANTA  
 Measured Date : 14 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item	Station Name	TANAY	INFANTA
Test Frequency		150.000 MHz	150.000 MHz
Transmitting Power		Pf: 27 w, Pr: 0.1 w	Pf: 26 w, Pr: 0.1 w
Used Antenna		5 ELE. YAGI	5 ELE. YAGI
Antenna Height		10 m	15 m
Used Feeder		8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( TANAY Transmit → INFANTA Receive )

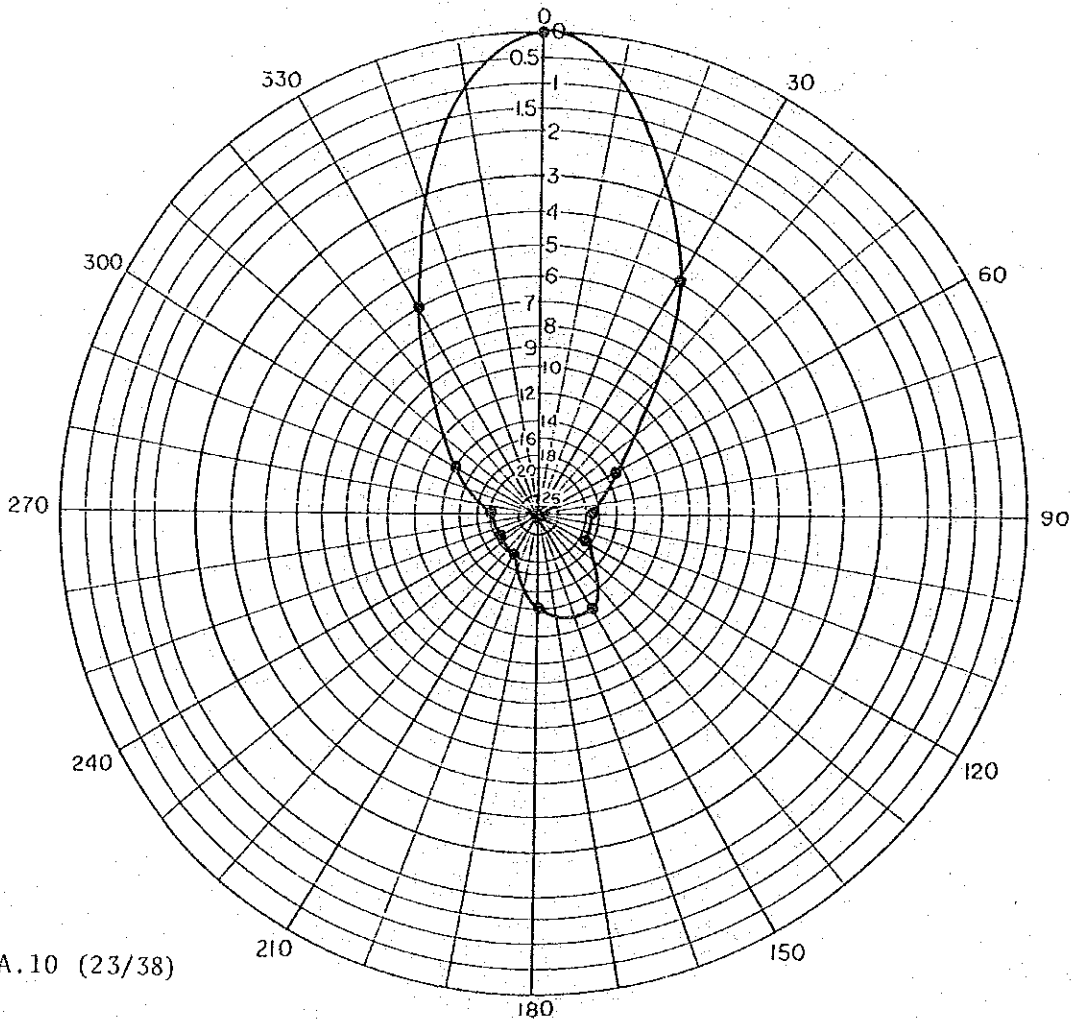


Fig.A.10 (23/38)

Party Station True Bearings: 237° (TANAY)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	23 dBμ	18	8	4	4	10	9	3	2	3	9	17
Deviation	0 dB	5	15	19	19	13	14	20	21	20	14	6

## Antenna Rotation Pattern (TANAY Station)

Measured Station : TANAY  
 Measured Date : 14 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	INFANTA	TANAY
Item		
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 w, Pr: 0.1 w	Pf: 27 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( INFANTA Transmit → TANAY Receive )

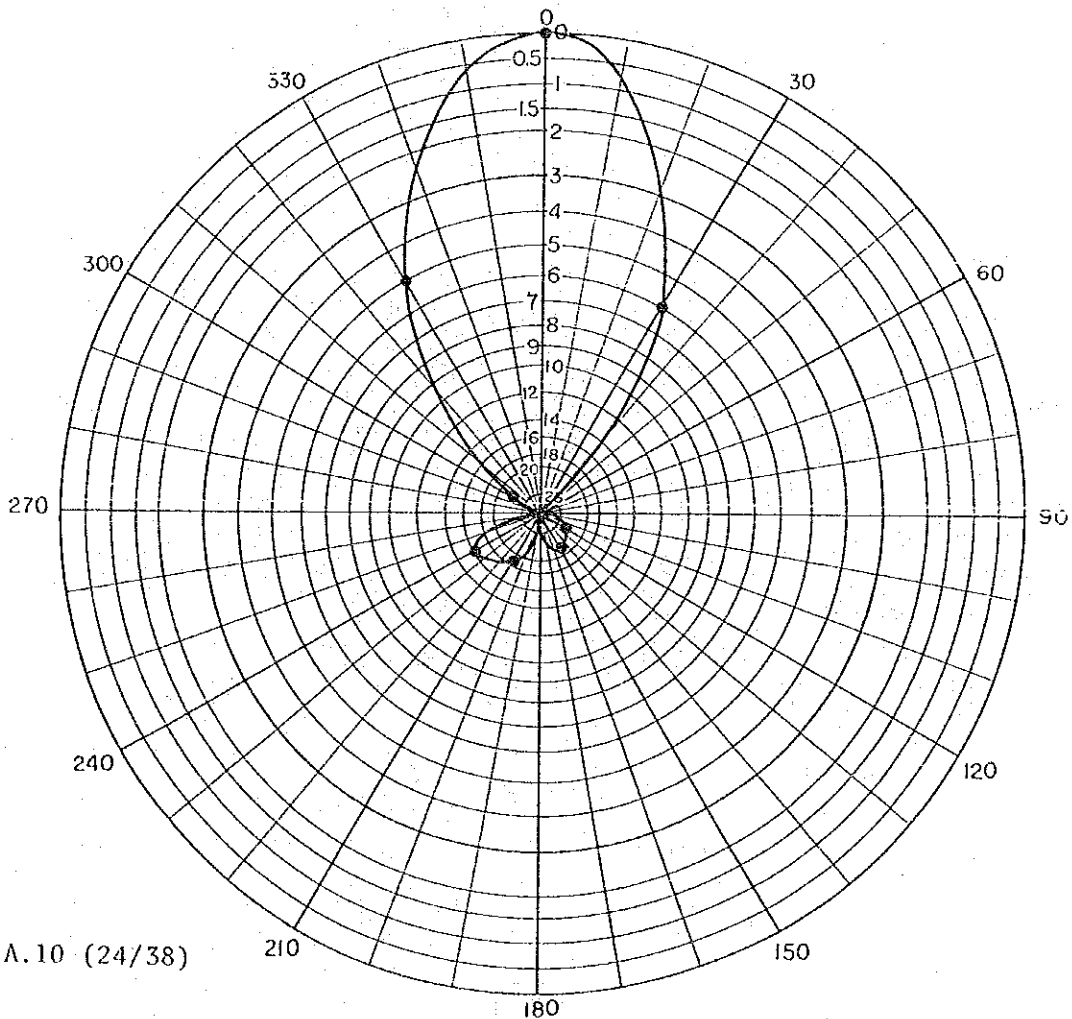


Fig.A.10 (24/38)

Party Station True Bearings: 057° (INFANTA)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	24 dBμ	18	-	-	0	2	-	5.5	8	-	1	19
Deviation	0 dB	6	-	-	24	22	-	18.5	16	-	23	5

## Antenna Rotation Pattern (AMBULONG Station)

Measured Station : AMBULONG  
Measured Date : 21 FEB. '84  
Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	TANAY	AMBULONG
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 w, Pr: 0.1 w	Pf: 27 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( TANAY Transmit → AMBULONG Receive )

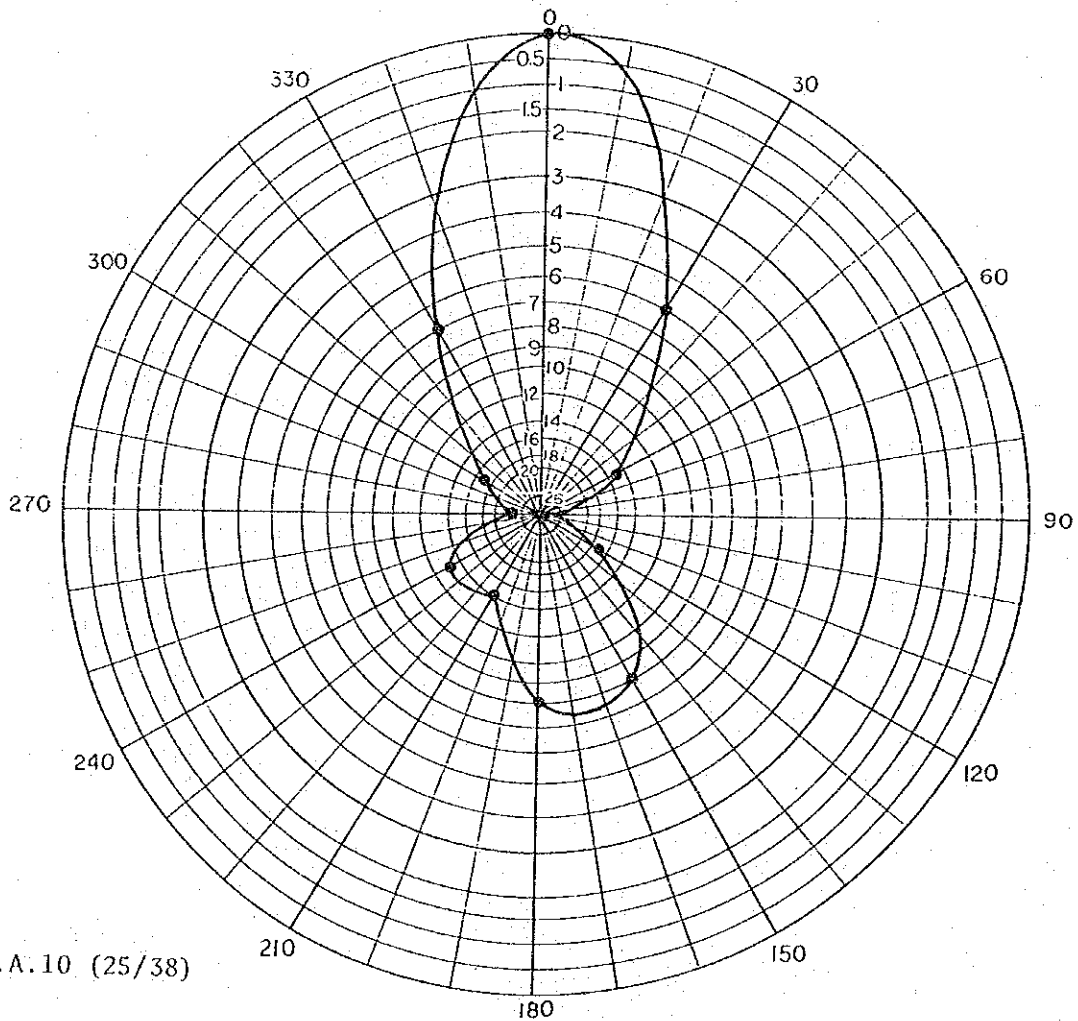


Fig.A.10 (25/38)

Party Station True Bearings: 30° (TANAY)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	25 dBμ	19	10	-	8	17	17	11	13	2	8	18
Deviation	0 dB	6	15	-	17	8	8	14	13	23	17	7

## Antenna Rotation Pattern (TANAY Station)

Measured Station : TANAY  
 Measured Date : 21 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item	AMBULONG	TANAY
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 27 w, Pr: 0.1 w	Pf: 26 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( AMBULONG Transmit → TANAY Receive )

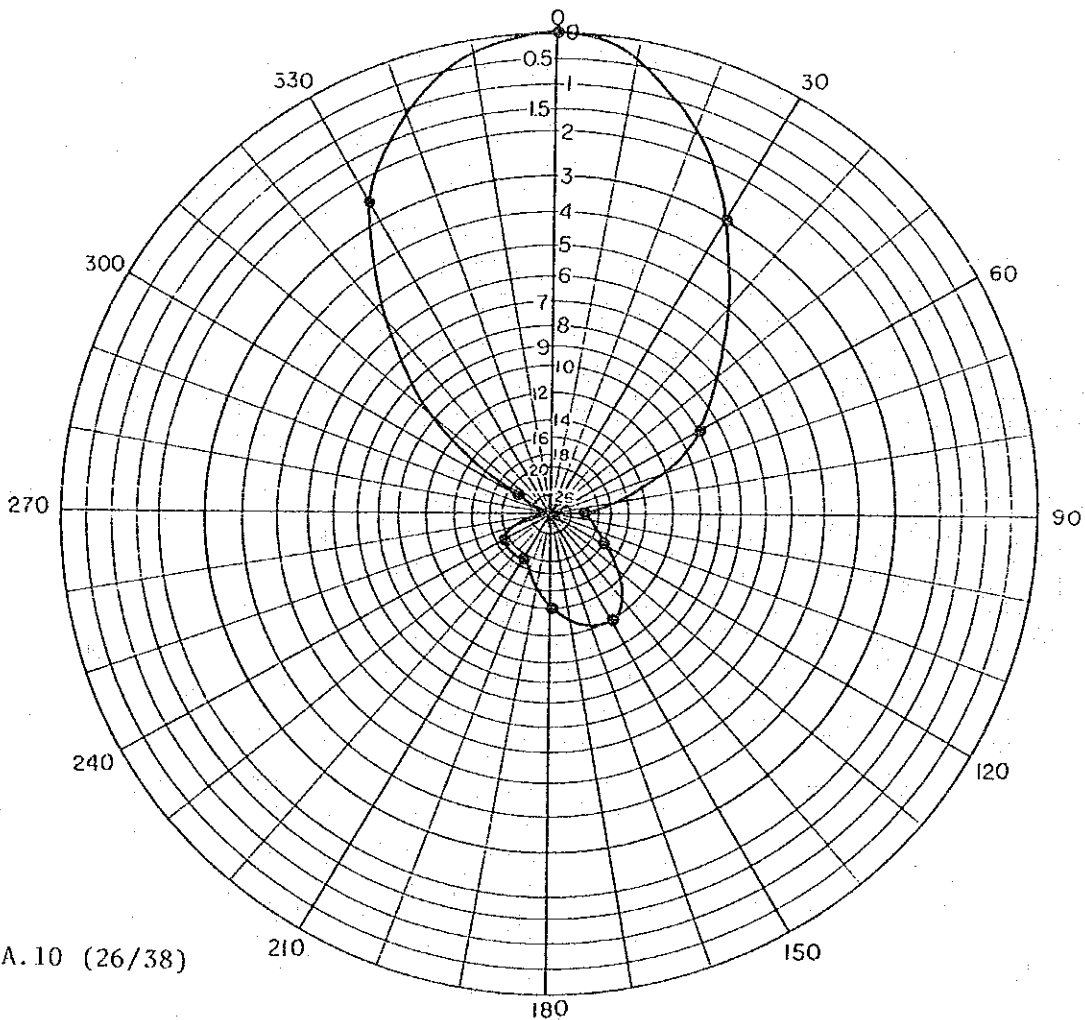


Fig.A.10 (26/38)

Party Station True Bearings: 210° (AMBULONG)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	24 dBμ	21	15	1	6	12	10	5	5	-	2	21.5
Deviation	0 dB	3	9	23	18	12	14	19	19	-	22	2.5

## Antenna Rotation Pattern (CALAPAN Station)

Measured Station : CALAPAN  
 Measured Date : 18 FEB. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	TANAY	CALAPAN
Item		
Test Frequency	150.200 MHz	150.200 MHz
Transmitting Power	Pf: 26 w, Pr: 0.1 w	Pf: 24 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( TANAY Transmit → CALAPAN Receive )

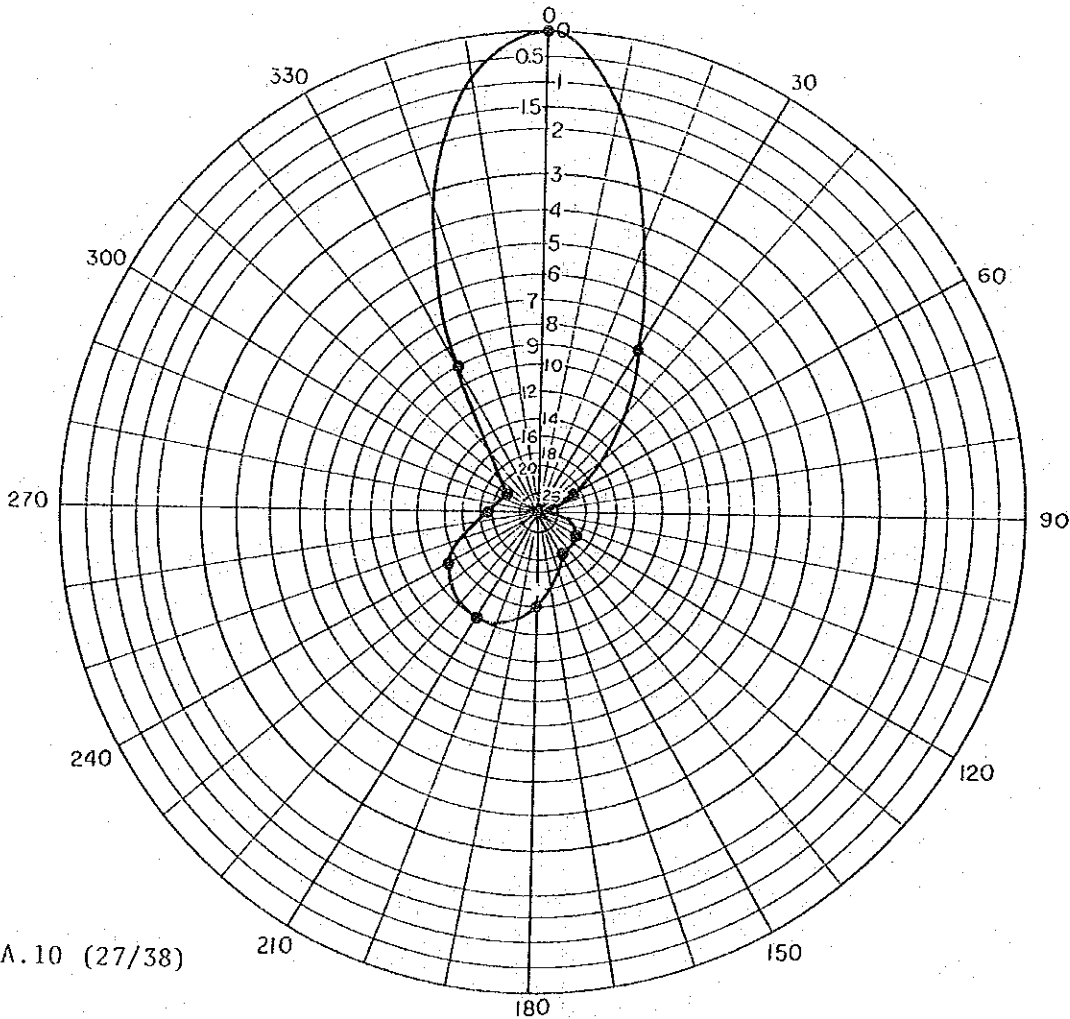


Fig.A.10 (27/38)

Party Station True Bearings: 008° (TANAY)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	22 dBμ	14	0	-	1	2	8	10	9	3	0	13
Deviation	0 dB	8	22	-	21	20	14	12	13	19	22	9

## Antenna Rotation Pattern (TANAY Station)

Measured Station : TANAY  
Measured Date : 18 FEB. '84  
Weather Condition: FINE

### 1. Setting Terms

Item	Station Name CALAPAN	TANAY
Test Frequency	150.200 MHz	150.200 MHz
Transmitting Power	Pf: 24 w, Pr: 0.1 w	Pf: 26 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( CALAPAN Transmit → TANAY Receive )

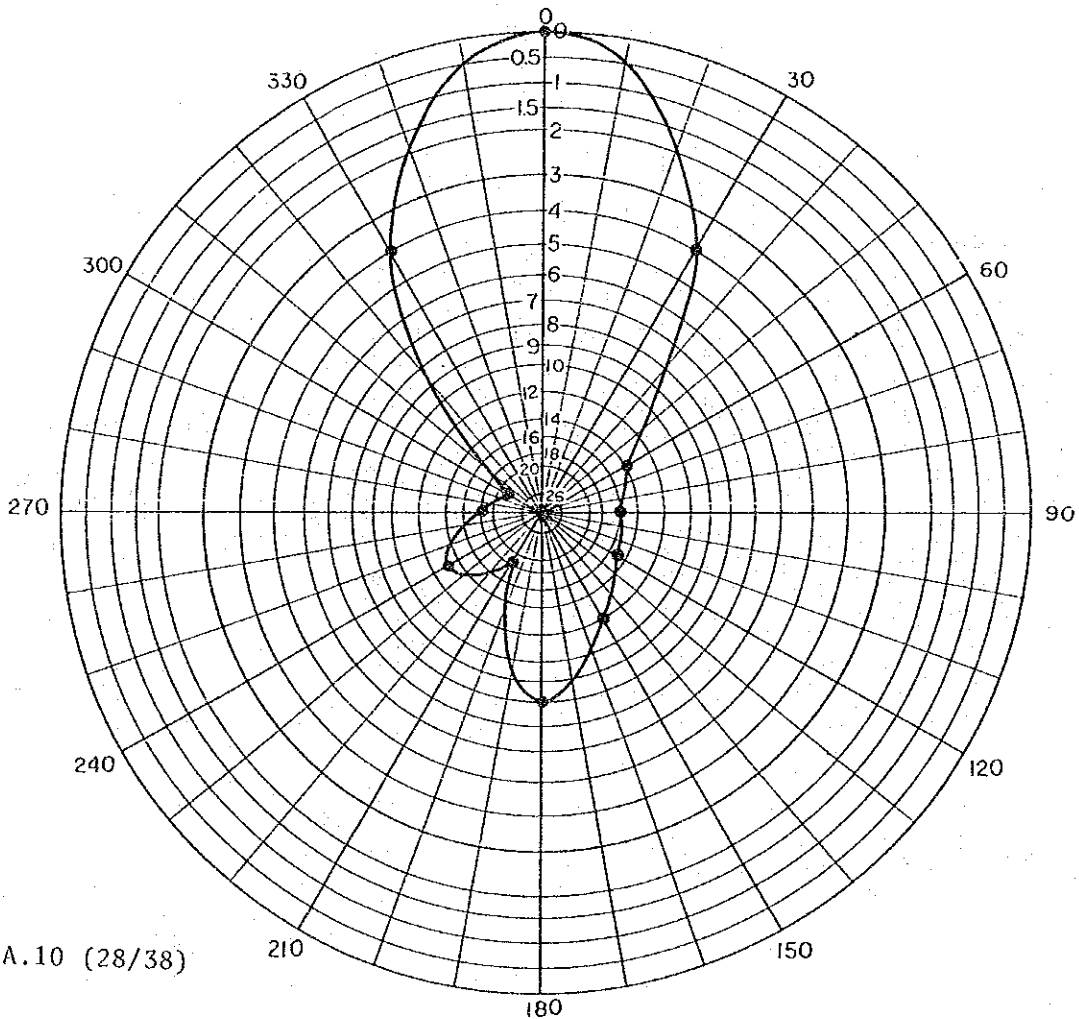


Fig.A.10 (28/38)

Party Station True Bearings: 188° (CALAPAN)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	22 dBμ	18	8	6	7	10	14	3.5	9	4	0	18
Deviation	0 dB	4	14	16	15	12	8	18.5	13	18	22	4



## Antenna Rotation Pattern (TANAY Station)

Measured Station : TANAY  
 Measured Date : 17 MAR. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	TANAY	JOMALIG
Item		
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 27 w, Pr: 0.1 w	Pf: 22 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( JOMALIG Transmit → TANAY Receive )

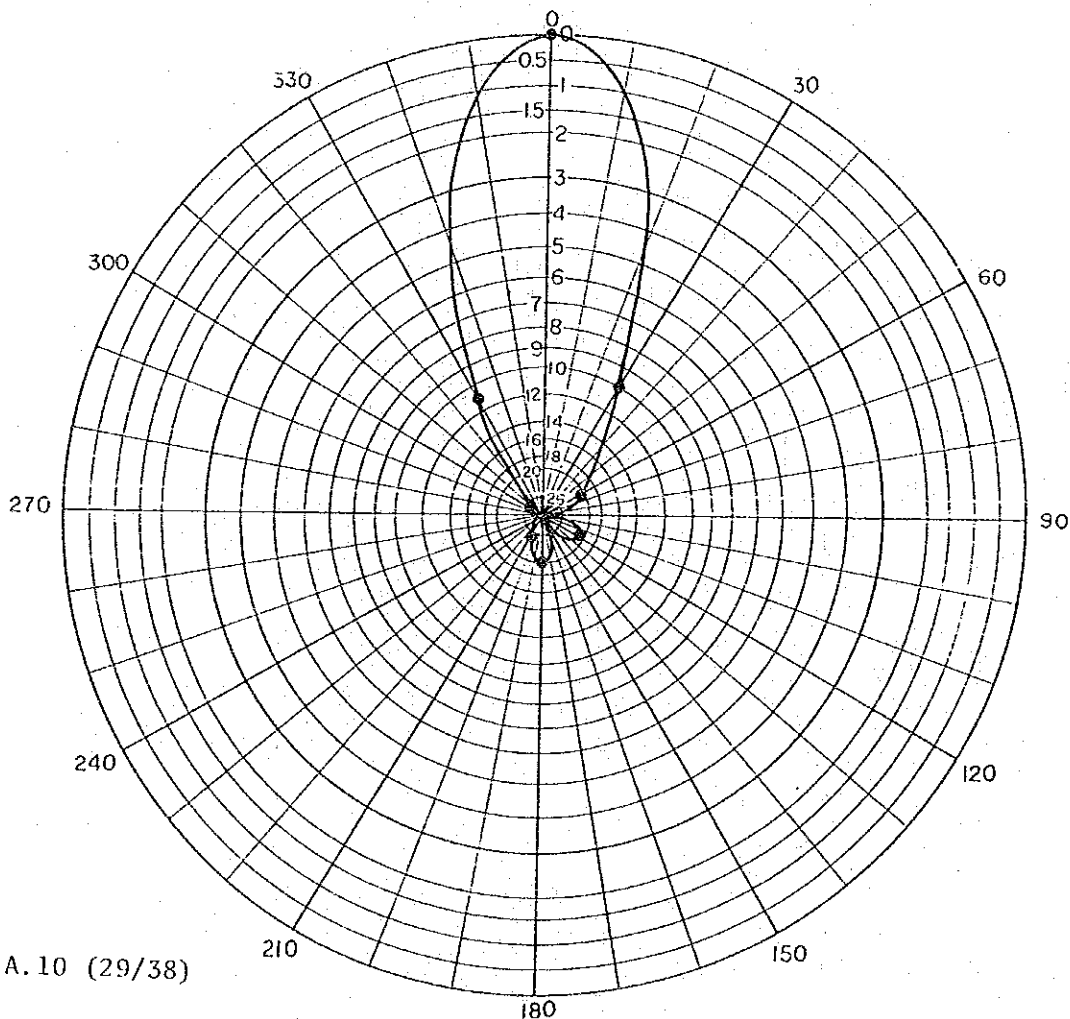


Fig.A.10 (29/38)

Party Station True Bearings: 80° (JOMALIG)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	24 dBμ	14	2.5	-	2.5	-	4	-1	-	-	-3	13
Deviation	0 dB	10	21.5	-	21.5	-	20	25	-	-	27	11

## Antenna Rotation Pattern (JOMALIG Station)

Measured Station : TANAY  
Measured Date : 17 MAR. '84  
Weather Condition: FINE

### 1. Setting Terms

Item	Station Name	JOMALIG	TANAY
Test Frequency		150.040 MHz	150.040 MHz
Transmitting Power		Pf: 22 w, Pr: 0.1 w	Pf: 27 w, Pr: 0.1 w
Used Antenna		5 ELE. YAGI	5 ELE. YAGI
Antenna Height		10 m	15 m
Used Feeder		8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( JOMALIG Transmit → TANAY Receive )

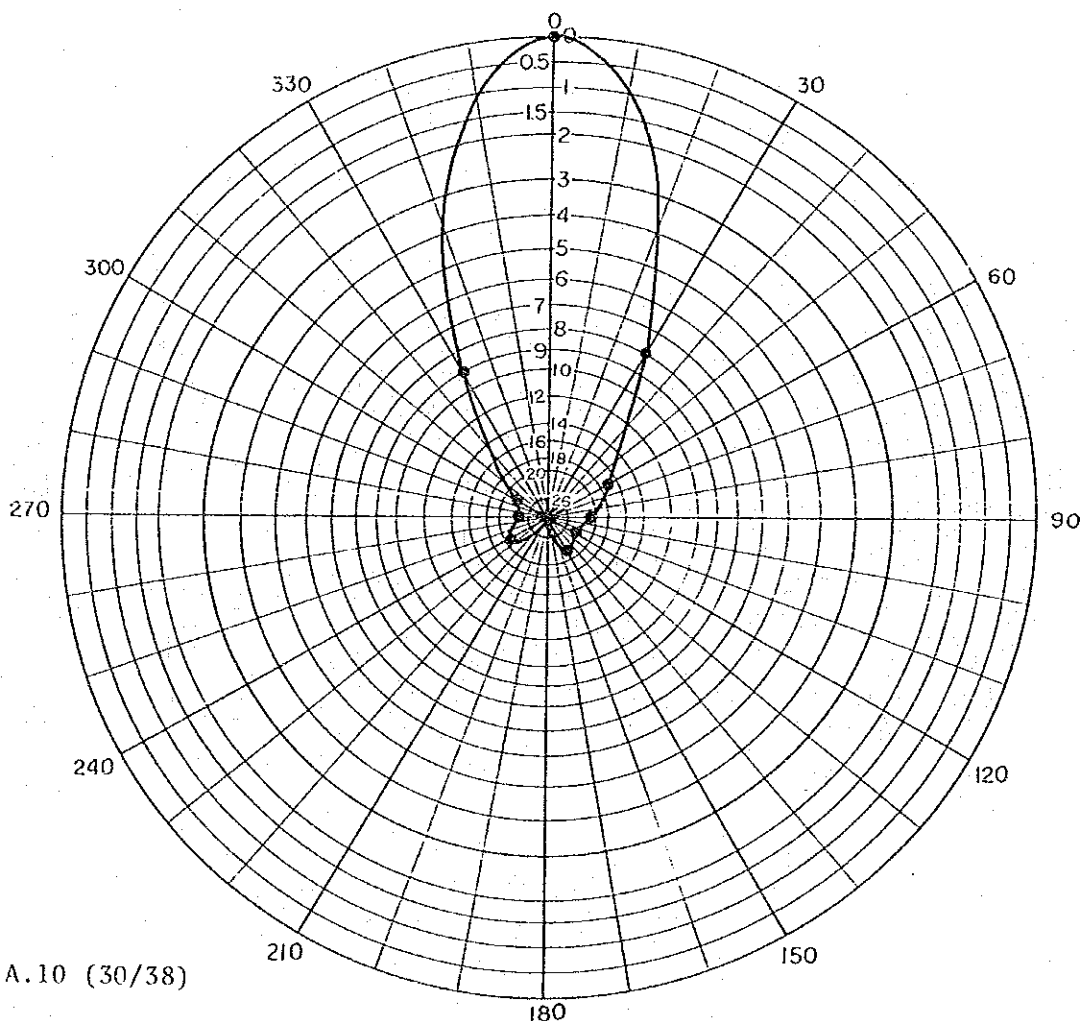


Fig.A.10 (30/38)

Party Station True Bearings: 260° (TANAY)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	21 dBμ	13	4	0	-2	-1	-	-	0	-3	-2	12
Deviation	0 dB	8	17	21	23	22	-	-	21	24	23	9

## Antenna Rotation Pattern (MALABOG Station)

Measured Station : MALABOG  
Measured Date : 2 MAR. '84  
Weather Condition: FINE

### 1. Setting Terms

Item	Station Name MASBATE	MALABOG
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 25 w, Pr: 0.1 w	Pf: - w, Pr: - w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	5 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( MASBATE Transmit → MALABOG Receive )

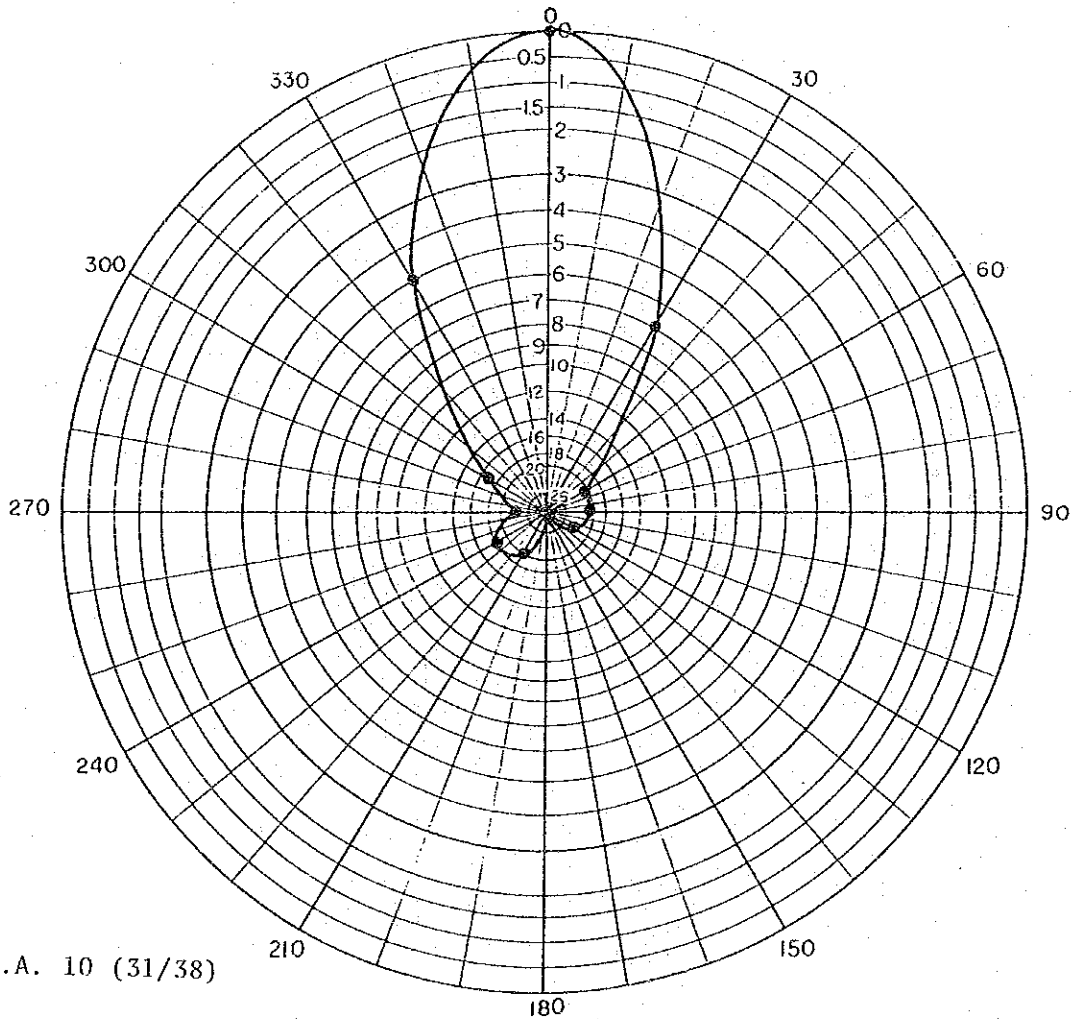


Fig.A. 10 (31/38)

#### Party Station True Bearings:

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	26 dBμ	19	5	5	2	-	-	6	8	2	9	21
Deviation	0 dB	7	21	21	24	-	-	20	18	24	17	5

## Antenna Rotation Pattern (MASBATE Station)

Measured Station : MALABOG  
 Measured Date : 2 MAR. '84  
 Weather Condition: FINE

### 1. Setting Terms

Station Name	MASBATE	MALABOG
Item		
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 25 w, Pr: 0.1 w	Pf: - w, Pr: - w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	5 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( MASBATE Transmit → MALABOG Receive )

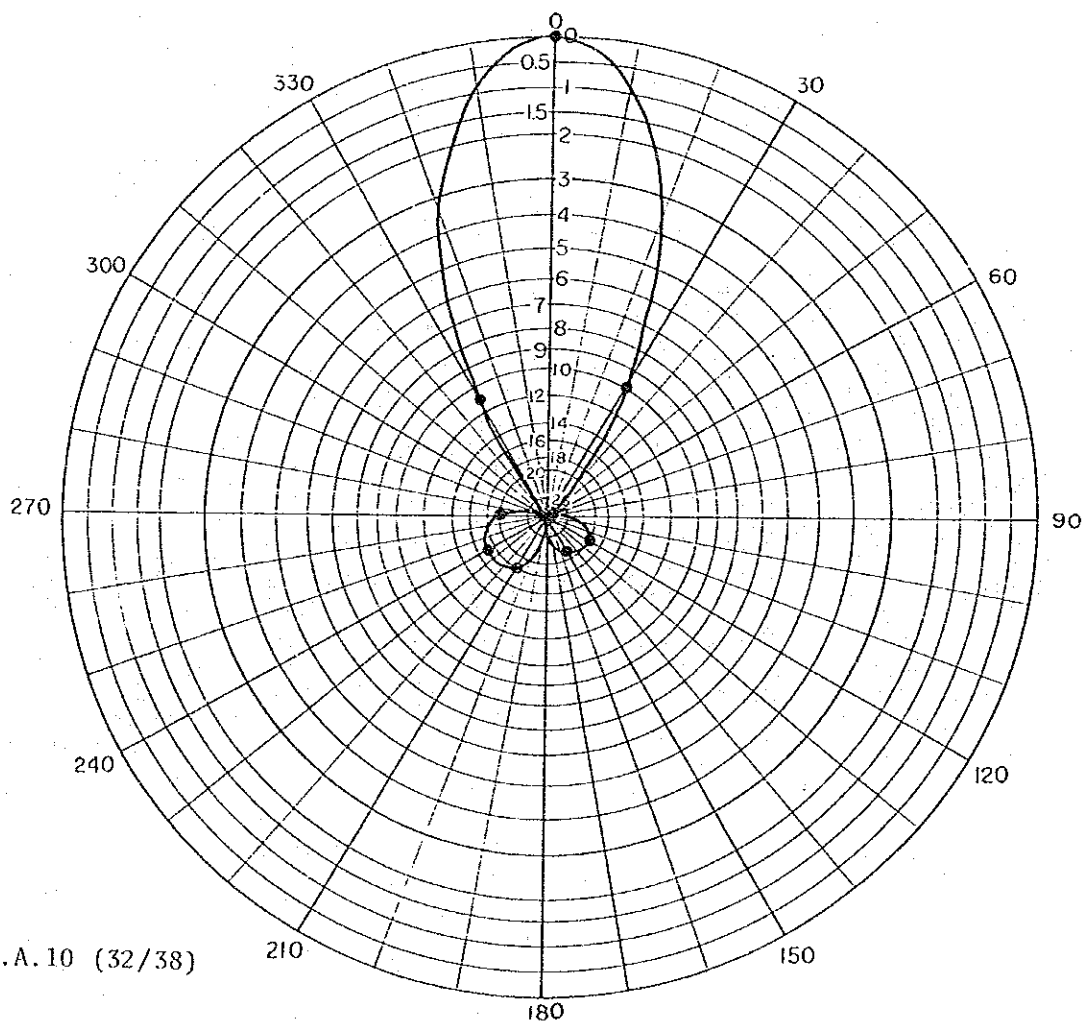


Fig.A.10 (32/38)

#### Party Station True Bearings:

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	25 dBμ	15	-	-	5	3	-	7	8	5	-	14
Deviation	0 dB	10	-	-	20	22	-	18	17	20	-	11

## Antenna Rotation Pattern (MASBATE Station)

Measured Station : MASBATE  
 Measured Date : 8 MAR. '84  
 Weather Condition: FINE

### 1. Setting Terms

Item	ROMBLON	MASBATE
Station Name	ROMBLON	MASBATE
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 26 w, Pr: 0.1 w	Pf: 25 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	7 m	10 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( ROMBLON Transmit → MASBATE Receive )

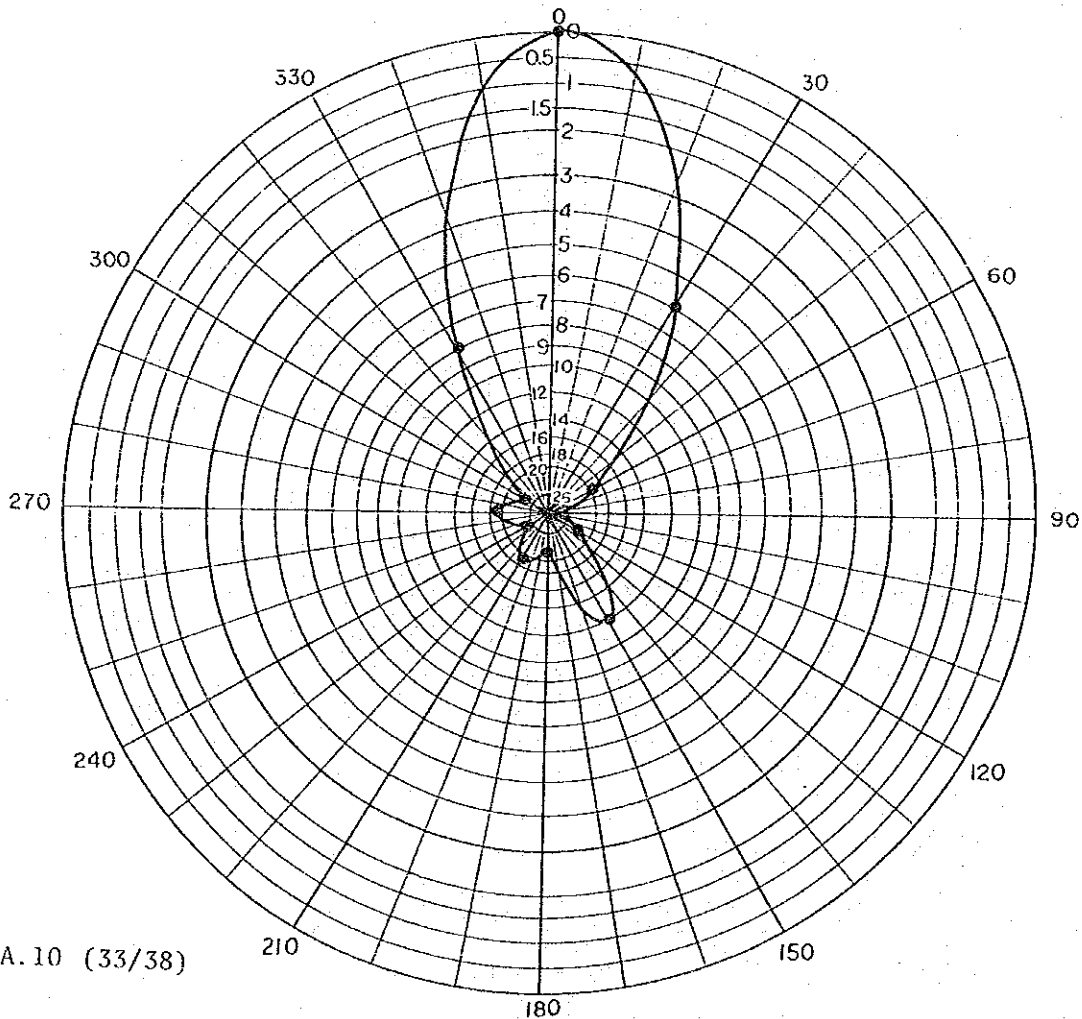


Fig. A.10 (33/38)

Party Station True Bearings: 279° (ROMBLON)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	28 dBm	22	8	-	5	16	6	9	4	9	4	20
Deviation	0 dB	6	20	-	23	12	22	19	24	19	24	8

## Antenna Rotation Pattern (ROMBLON Station)

Measured Station : ROMBLON  
Measured Date : 8 MAR. '84  
Weather Condition: FINE

### 1. Setting Terms

Item \ Station Name	MASBATE	ROMBLON
Test Frequency	150.040 MHz	150.040 MHz
Transmitting Power	Pf: 25 w, Pr: 0.1 w	Pf: 26 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	7 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( MASBATE Transmit → ROMBLON Receive )

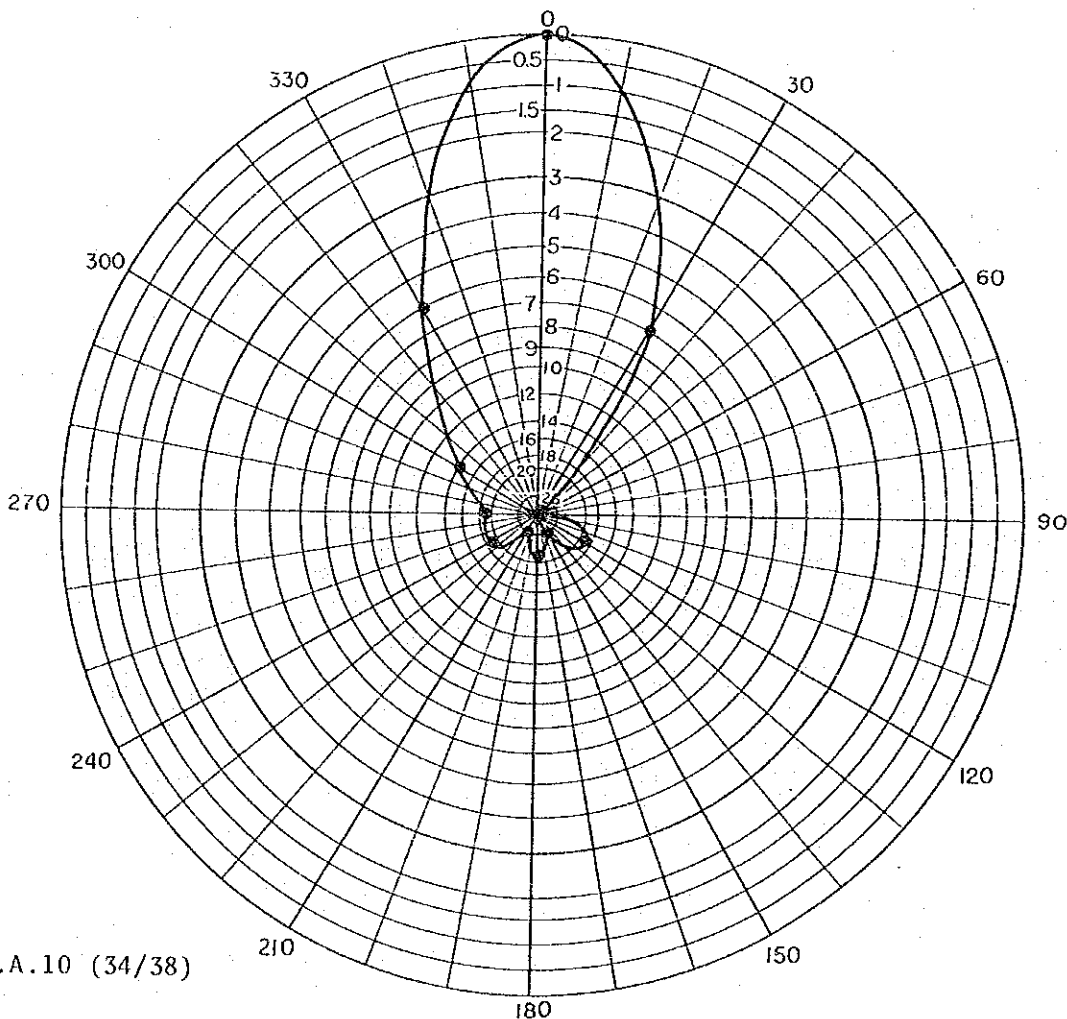


Fig.A.10 (34/38)

Party Station True Bearings: 099° (MASBATE)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	26 dBμ	19	-	-	7	0	4	0	7	7	12	20
Deviation	0 dB	7	-	-	19	26	22	26	19	19	14	6

## Antenna Rotation Pattern (ROMBLON Station)

Measured Station : ROMBLON  
Measured Date : 11 MAR. '84  
Weather Condition: RAIN

### 1. Setting Terms

Item	SAN FRANCISCO	ROMBLON
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 26 w, Pr: 0.1 w	Pf: 25 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	15 m	10 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( SAN FRANCISCO Transmit → ROMBLON Receive )

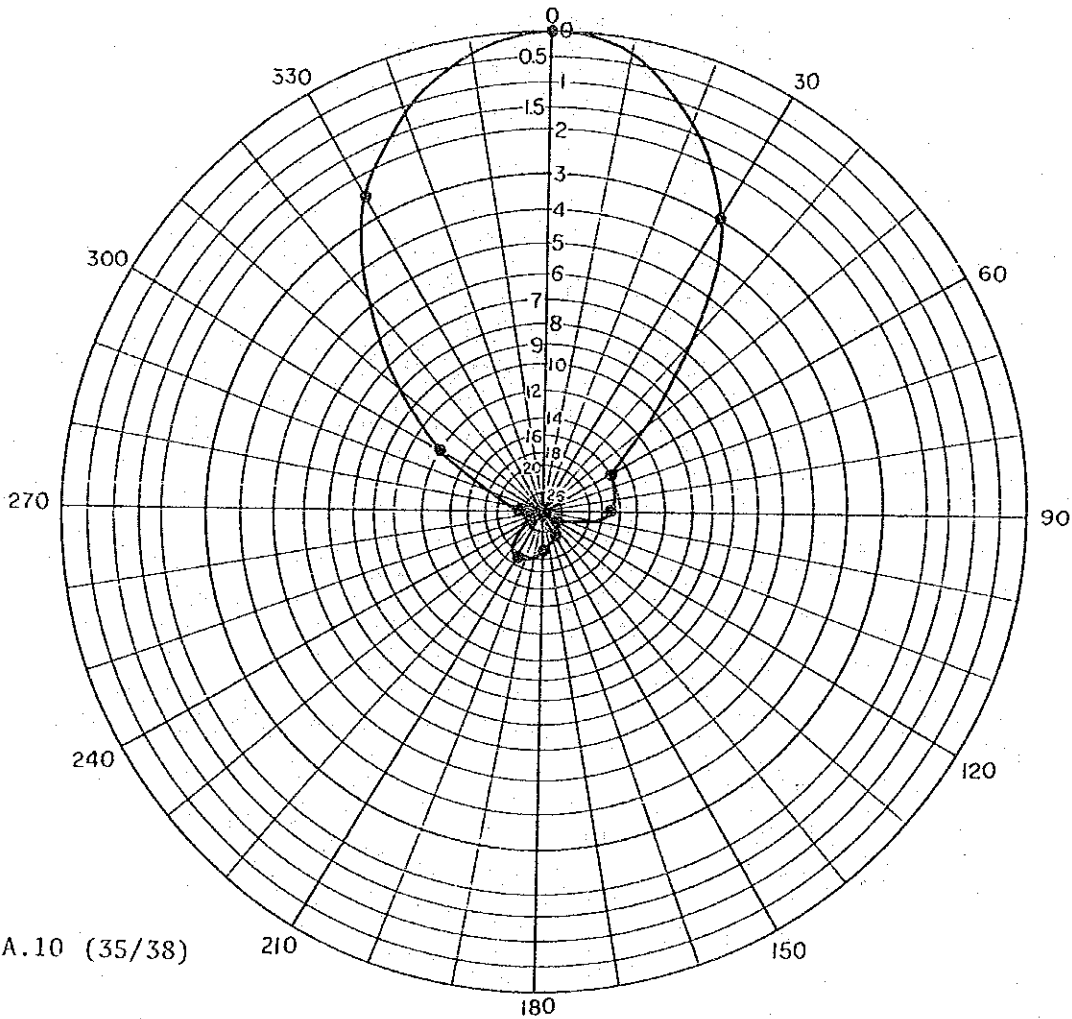


Fig.A.10 (35/38)

Party Station True Bearings:

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	50 dBμ	47	34	33	23	26	28	31	23	25	38	47.5
Deviation	0 dB	3	16	17	27	24	22	19	27	25	12	2.5

## Antenna Rotation Pattern (SAN FRANCISCO Station)

Measured Station : SAN FRANCISCO  
 Measured Date : 11 MAR. '84  
 Weather Condition: RAIN

### 1. Setting Terms

Item	ROMBLON	SAN FRANCISCO
Test Frequency	150.000 MHz	150.000 MHz
Transmitting Power	Pf: 25 w, Pr: 0.1 w	Pf: 26 w, Pr: 0.1 w
Used Antenna	5 ELE. YAGI	5 ELE. YAGI
Antenna Height	10 m	15 m
Used Feeder	8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( ROMBLON Transmit → SAN FRANCISCO Receive )

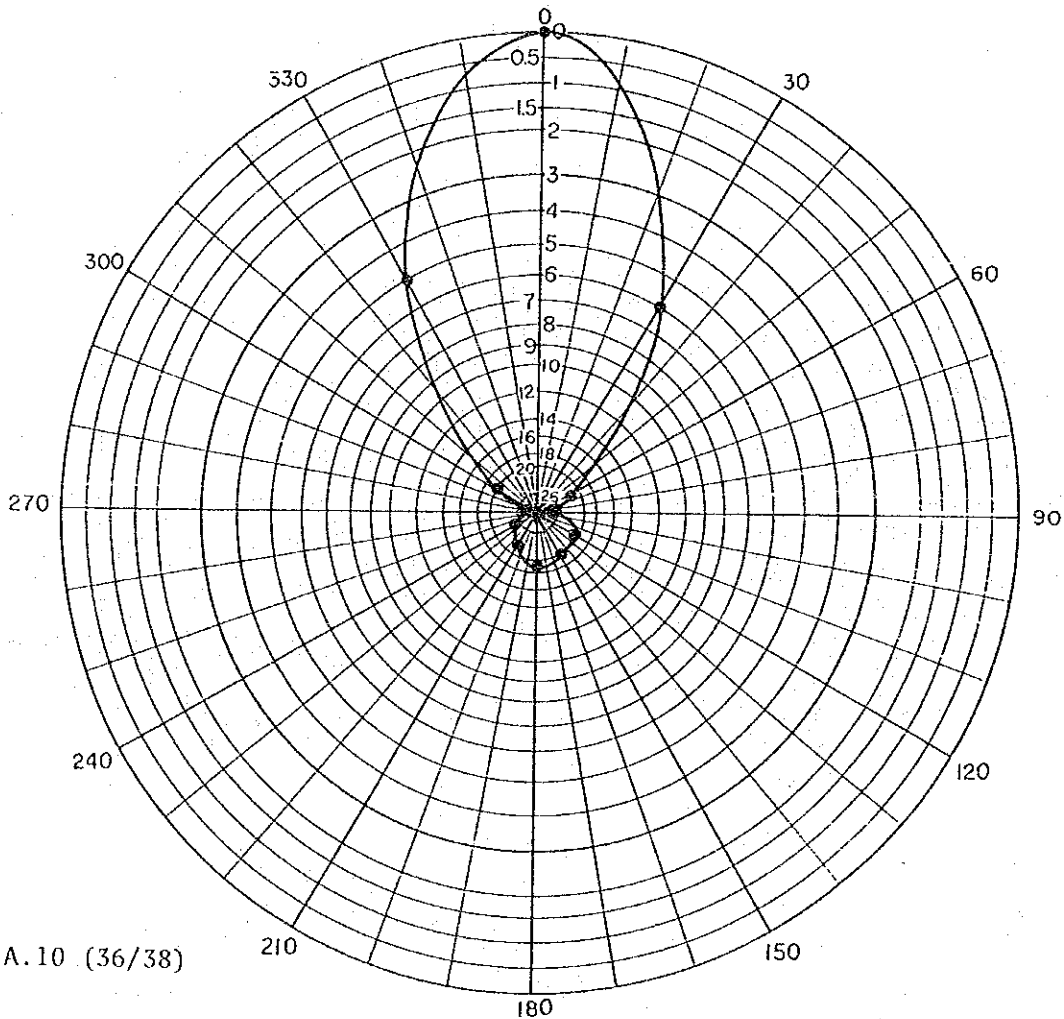


Fig.A.10 (36/38)

Party Station True Bearings: 196° (ROMBLON)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	56 dBμ	50	33	21	35	36	37	34	32	27	36	51
Deviation	0 dB	6	23	35	21	20	19	22	24	29	20	5



## Antenna Rotation Pattern (TACLOBAN Station)

Measured Station : TACLOBAN  
Measured Date : 21 MAR. '84  
Weather Condition: FINE

### 1. Setting Terms

Item	Station Name	GUIUAN RADAR	TACLOBAN
Test Frequency		150.040 MHz	150.040 MHz
Transmitting Power		Pf: 22 w, Pr: 0.1 w	Pf: 26 w, Pr: 0.1 w
Used Antenna		5 ELE. YAGI	5 ELE. YAGI
Antenna Height		10 m	10 m
Used Feeder		8D-2V, 25m	8D-2V, 25m

### 2. Measured Result ( GUIUAN RADAR Transmit → TACLOBAN Receive )

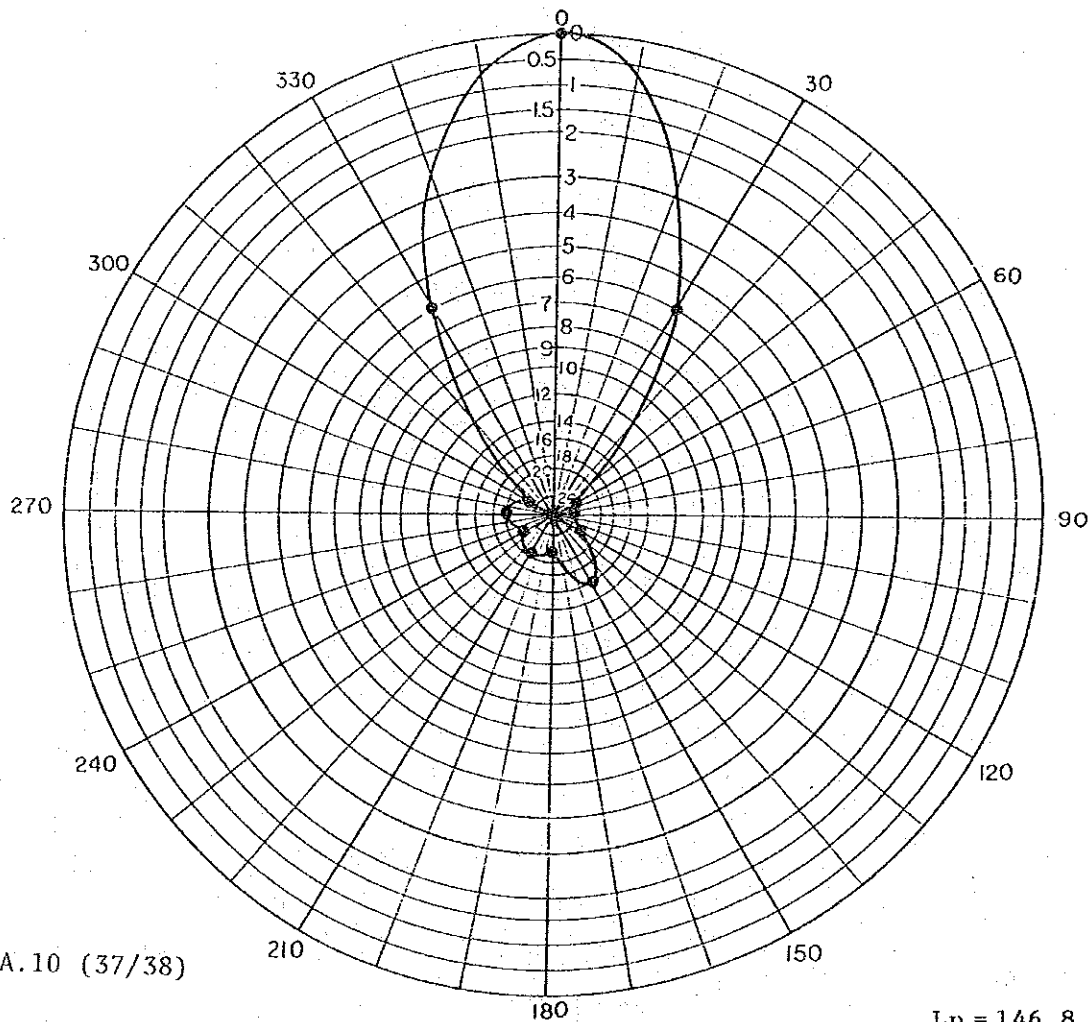


Fig.A.10 (37/38)

Party Station True Bearings: 104° (GUIUAN RADAR)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	27 dBμ	21	2	1	4	11	5	6	4	6	3	21
Deviation	0 dB	6	25	26	23	16	22	21	23	21	24	6

**ANTENNA ROTATION PATTERN  
(GUIUAN STATION)**

Measured Station : GUIUAN RADAR  
 Measured Date : 21 MAR. '84  
 Weather Condition: FINE

1. Setting Terms

Item	Station Name	TACLOBAN	GUIUAN RADAR
Test Frequency		150.040 MHz	150.040 MHz
Transmitting Power		Pf: 26 w, Pr: 0.1 w	Pf: 22 w, Pr: 0.1 w
Used Antenna		5 ELE. YAGI	5 ELE. YAGI
Antenna Height		10 m	10 m
Used Feeder		8D-2V, 25m	8D-2V, 25m

2. Measured Result ( TACLOBAN Transmit → GUIUAN RADAR Receive )

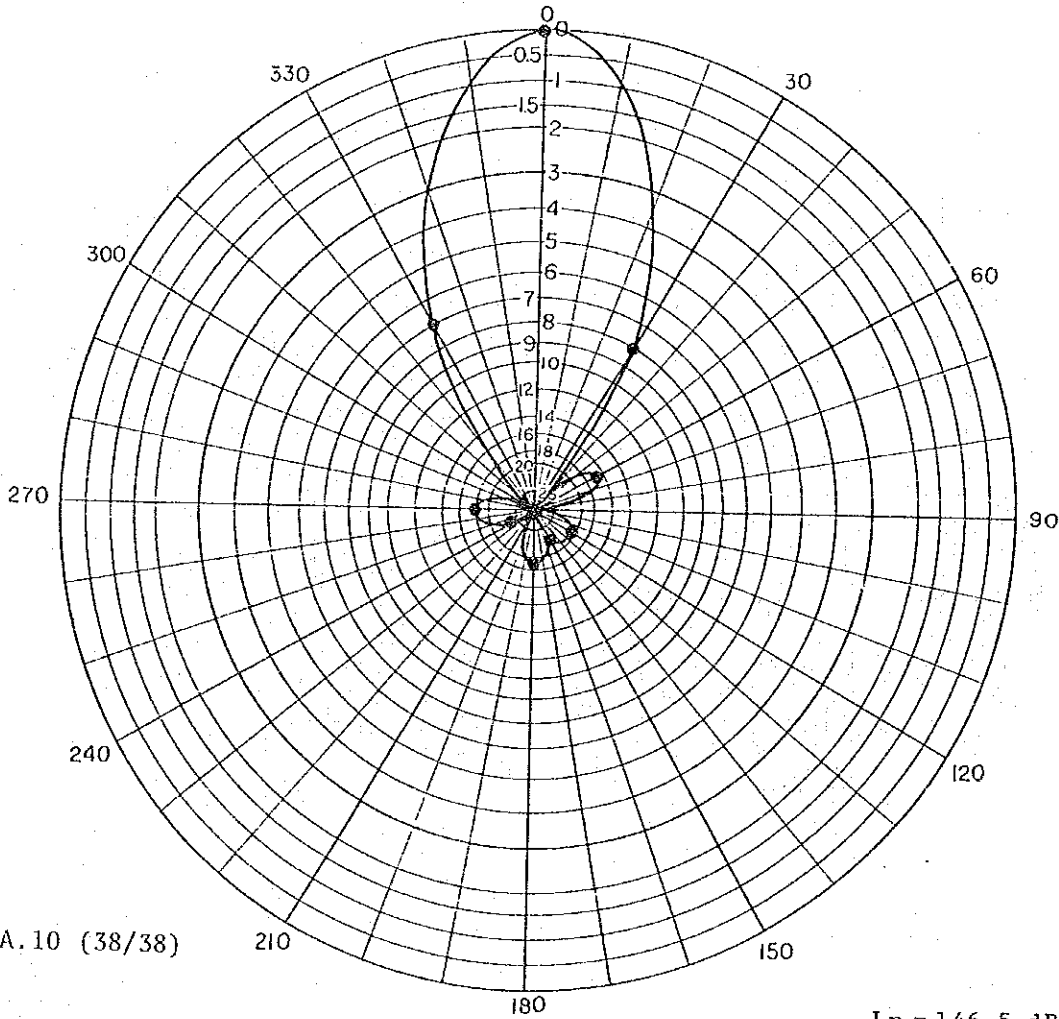


Fig. A.10 (38/38)

Party Station True Bearings: 284° (TACLOBAN)

Angle	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°	330°
PF Input Level	28 dBu	20	11	-	7	5	9	-	4	10	0	21
Deviation	0 dB	8	17	-	21	23	19	-	24	18	28	7