

Approval Sheet

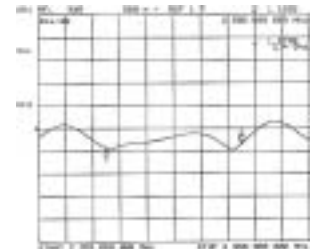
Model Name : SIL - 05 (BM42 - 00002A)

Wireless LAN Patch Antenna

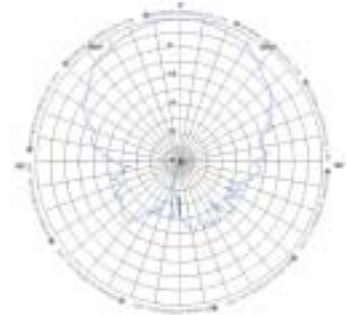
Wireless LAN patch antenna range is designed to give local area coverage for voice and data wherever it is needed. All antennas from the range can be used for both indoor and outdoor applications, locations such as computer rooms, shopping malls, offices, and factories, where signal quality needs to be improved or where extra capacity is needed to satisfy high traffic demand.

SPECIFICATION

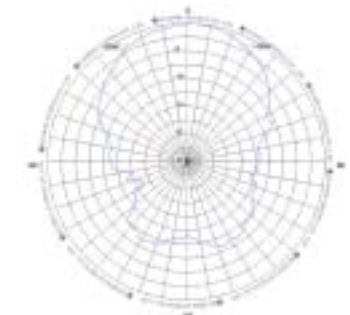
Model	SIL-05		
Type	Microstrip Patch Type		
Characteristic	Electrical Char.	Frequency Range	2.4 GHz ~ 2.5 GHz
		Polarization	Vertical
		Gain	5 dBi
		Beam width	H - Nominal 60°
			V - Nominal 50°
		V. S. W. R	1 : 1.5
		Power Capability	1 Watt
	Impedance	50 Ω	
	Physical Char.	Radiation Element Material	Steel
		Cable length	150 cm
Dimension		75×78×12 mm	
Weight		100 g	
Input Connector		SMA male (Left Hand)	



V.S.W.R vs Frequency



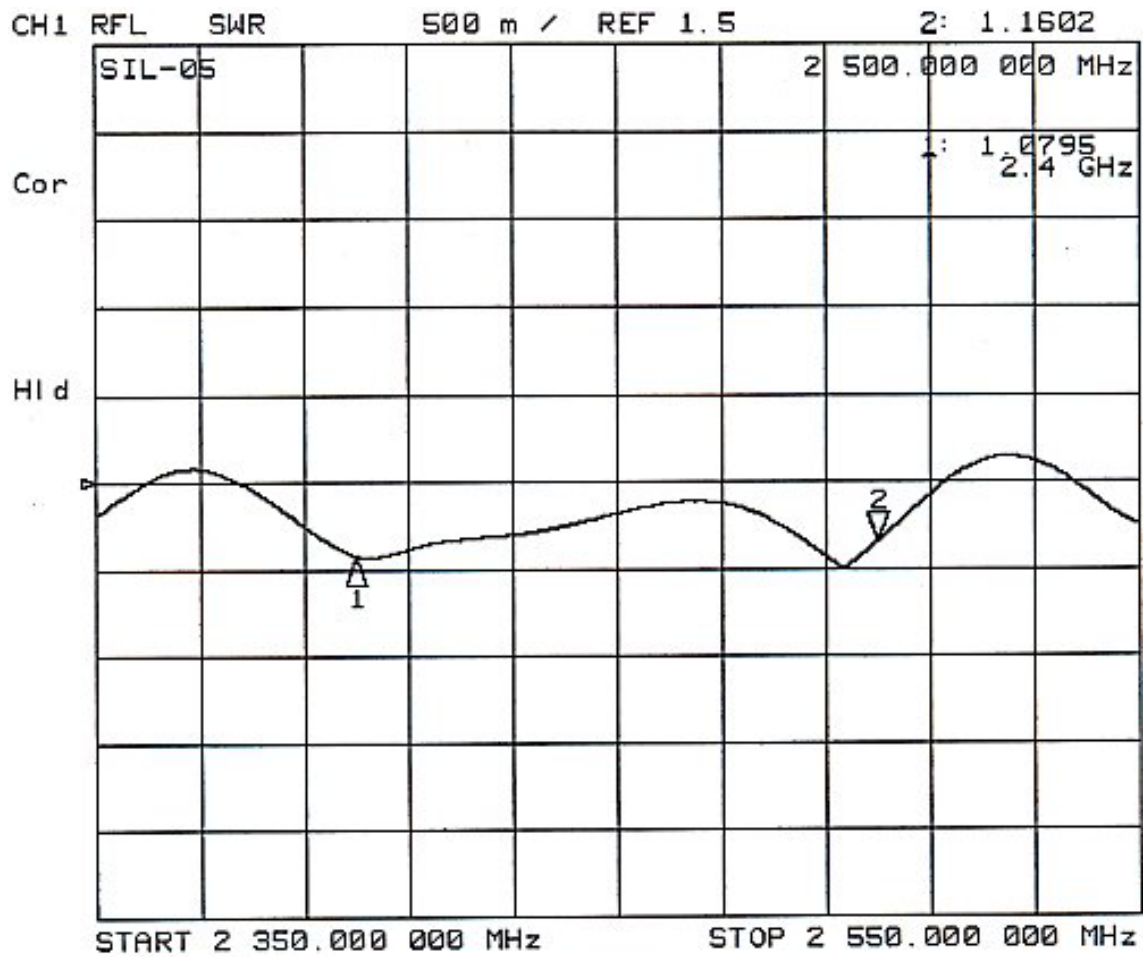
Horizontal Pattern



Vertical Pattern

43-4 Myunmok 8 dong, Junglang-ku, Seoul, Korea.

Tel : 82-2-491-1771 Fax : 82-2-491-3771



- New
- Open
- Save
- Save As
- Delete Gt
- Print
- Convert
- Graph Add
- Item
- A/C
- Calibrate
- Run
- Stop
- About

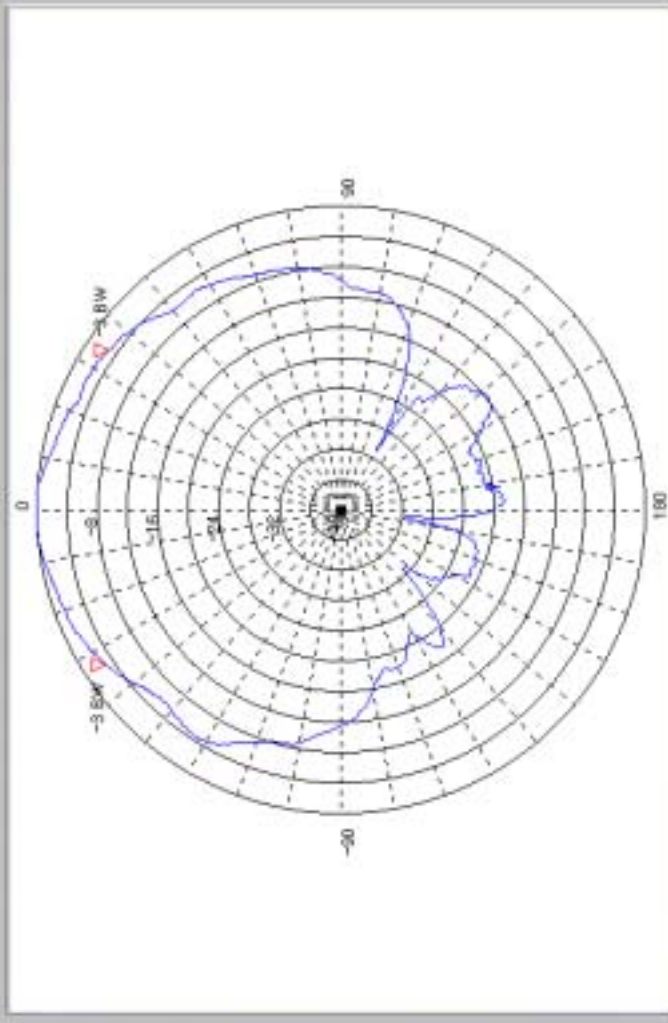
SUNWOO ANT. CO., Ltd
ANTENNA MEASUREMENT SYSTEM
 Copyright (C) 1999 HP KOREA Ver. 1.0

X축 : 000.000 Y축 : 000.000 Z축 : 000.000

Amplitude vs Azimuth(Elevation) - Polar

Measurement Setup

Model: sel-05
 Date: 2001.09.27
 File Name: 2400
 Serial No: default
 Frequency(MHz): 2400
 Level(dBm): 10
 Measure Speed(pps): 8000
 X (90 or 180)
 Y Minimum(dBm): -40
 Zero set(deg): -10
 Polarization(deg): 0
 Elevation Set(deg): 0
 Std Gain(dBi): 16.6
 Freq./dB(dBm)/Level: [dropdown]



Amplitude vs Azimuth(Ele.)

Abscissa: Theta
 Unit: Degree
 Ordinate: Amplitude
 Unit: dB

Measurement Result

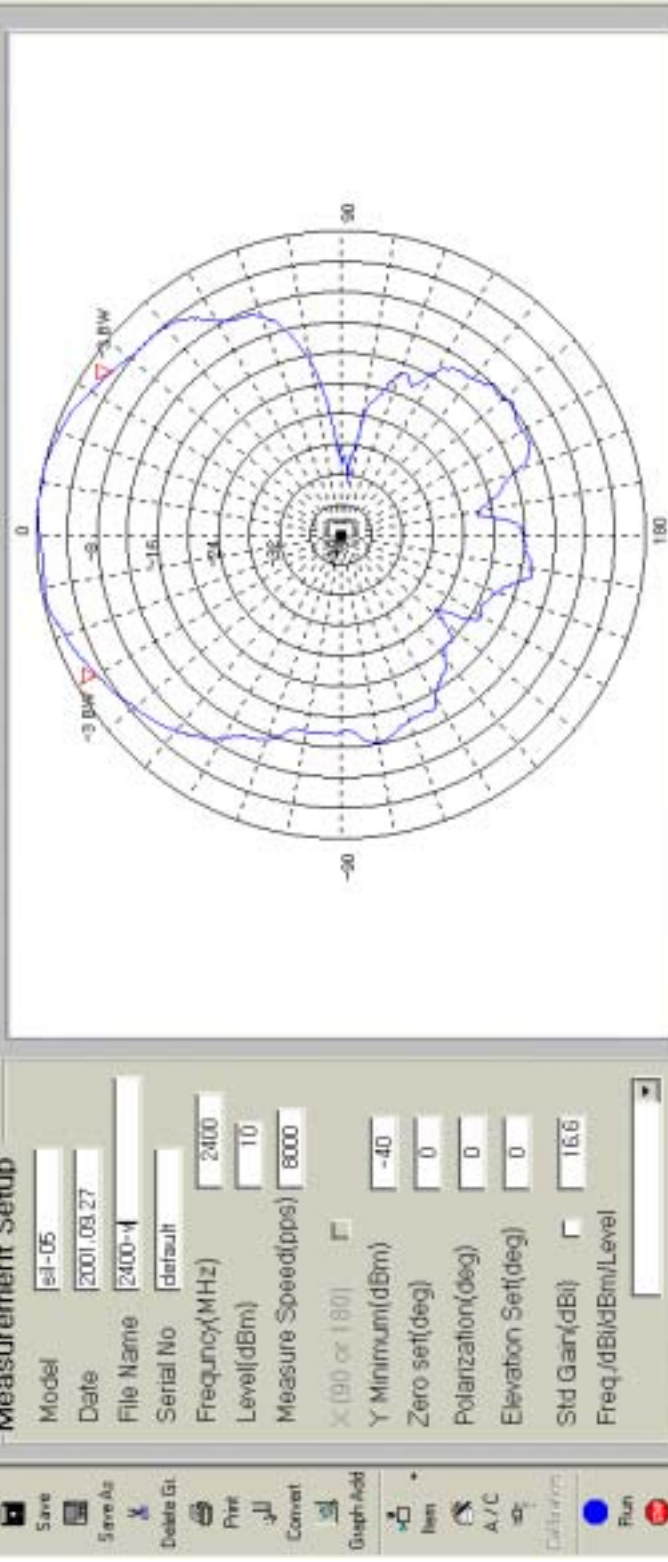
Beam peak: 5.08 dBi
 Beam peak: -1.2 deg
 F/B Ratio: -18.47 dB

1st: dB
 2nd: dB
 3rd: dB

deg
 deg
 deg

-3 dB BW
 dB BW
 dB BW

68.08 deg
 deg
 deg



Measurement Result

Beam peak	0.00	dBi	1st	deg	BW	-3	dB	65.53	deg
Beam peak	6.66	deg	2nd	deg	BW		dB		deg
F/B Ratio	-14.30	dB	3rd	deg	BW		dB		deg

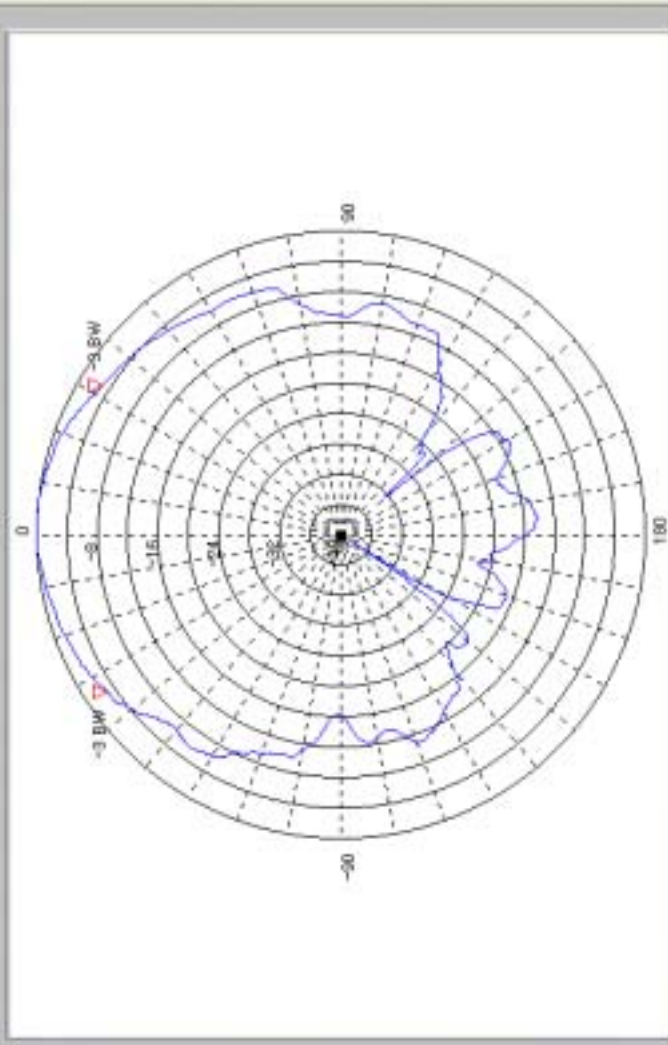
Amplitude vs Azimuth(Ele.)

Abscissa	Theta
Unit	Degree
Ordinate	Amplitude
Unit	dB

SUNWOO ANT. CO., Ltd
ANTENNA MEASUREMENT SYSTEM
 Copyright (C) 1999 HP KOFEA Ver. 1.0

X축 : 000.000 Y축 : 000.000 Z축 : 000.000

Amplitude vs Azimuth(Elevation) - Polar



Measurement Setup

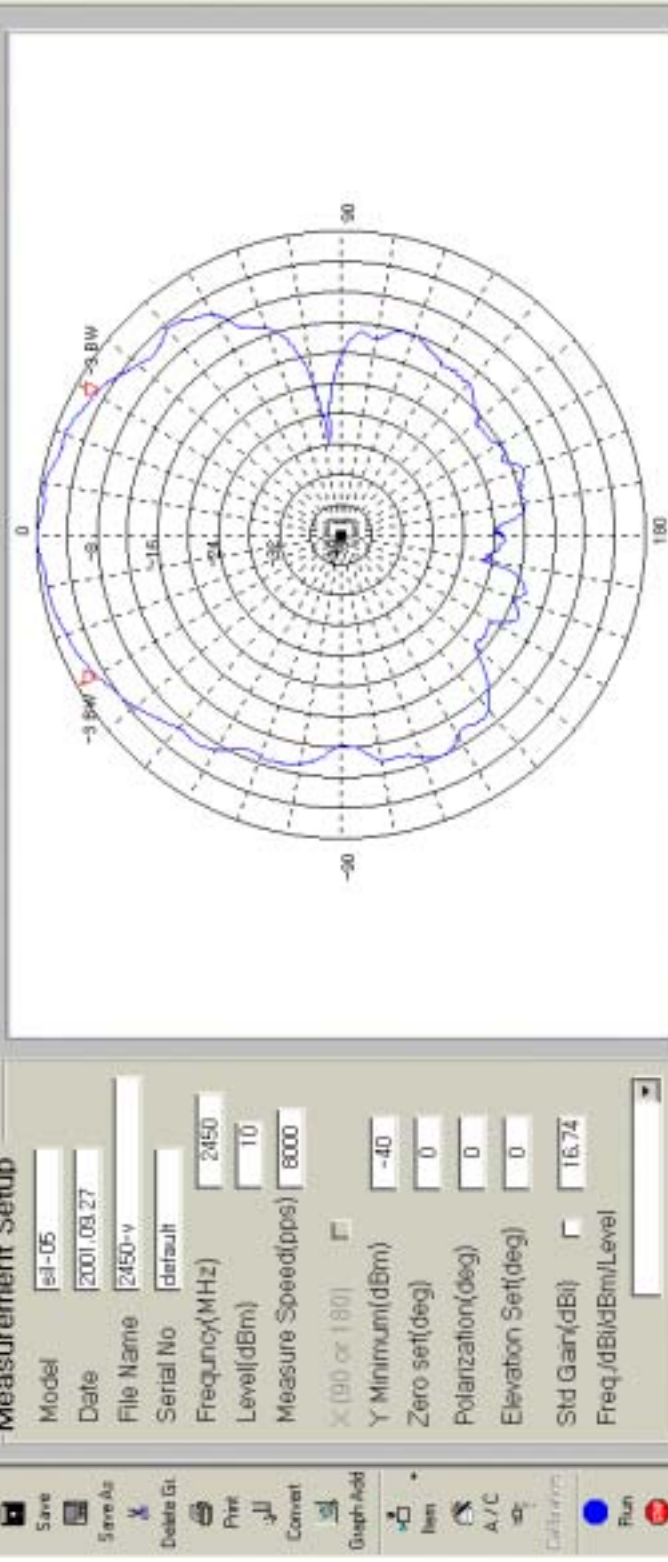
Model: sel-05
 Date: 2001.09.27
 File Name: 2450
 Serial No: default
 Frequency(MHz): 2450
 Level(dBm): 10
 Measure Speed(pos): 8000
 X (90 or 180)
 Y Minimum(dBm): -40
 Zero set(deg): -5
 Polarization(deg): 0
 Elevation Set(deg): 0
 Std Gain(dBi): 16.74
 Freq./dBi/dBm/Level: [dropdown]

Amplitude vs Azimuth(Ele.)

Abscissa: Theta
 Unit: Degree
 Ordinate: Amplitude
 Unit: dB

Measurement Result

Beam peak	5.35	dBi	1st		deg	BW	-3	dB	66.18	deg
Beam peak	-1.05	deg	2nd		deg	BW		dB		deg
F/B Ratio	-13.97	dB	3rd		deg	BW		dB		deg



Measurement Result

Beam peak	dBi	1st	deg	BW	-3	dB	61.60	deg
Beam peak	dBi	2nd	deg	BW		dB		deg
F/B Ratio	dB	3rd	deg	BW		dB		deg

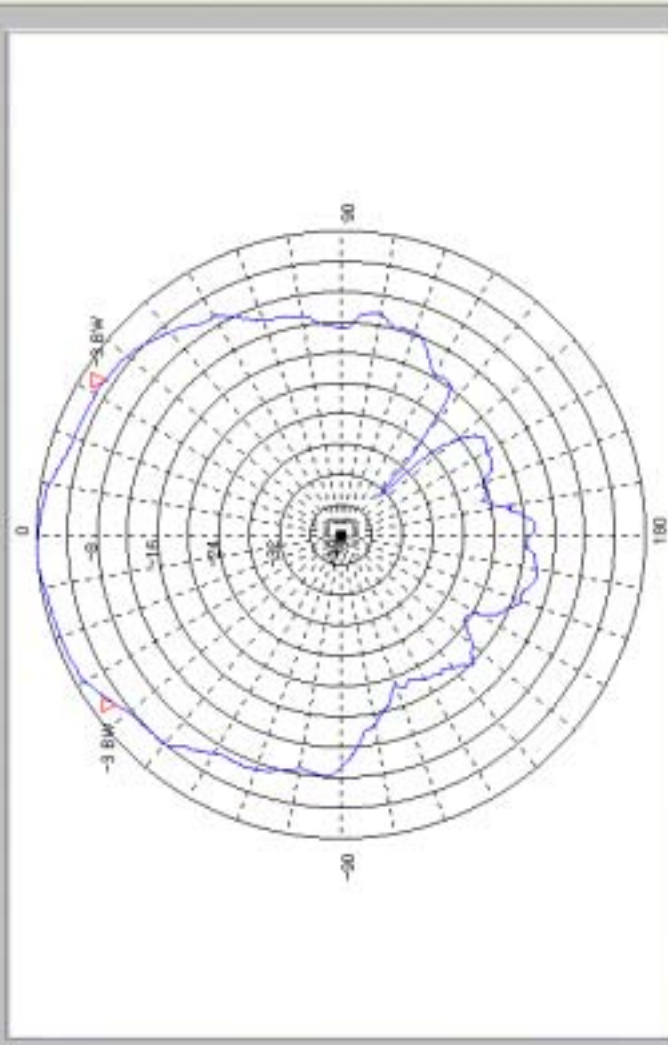
Amplitude vs Azimuth(Ele.)

Abscissa	Theta
Unit	Degree
Ordinate	Amplitude
Unit	dB

SUNWOO ANT. CO., Ltd
ANTENNA MEASUREMENT SYSTEM
 Copyright (C) 1999 HP KOFEA Ver. 1.0

X축 : 000.000 Y축 : 000.000 Z축 : 000.000

Amplitude vs Azimuth(Elevation) - Polar



Measurement Setup

Model: sel-05
 Date: 2001.09.27
 File Name: E500
 Serial No: default
 Frequency(MHz): 2500
 Level(dBm): 10
 Measure Speed(pps): 8000
 X (90 or 180)
 Y Minimum(dBm): -40
 Zero set(deg): -10
 Polarization(deg): 0
 Elevation Set(deg): 0
 Std Gain(dBi): 16.86
 Freq./dBi/dBm/Level: [dropdown menu]

Measurement Result

Beam peak: 5.18 dBi 1st deg dB 70.60 deg
 Beam peak: -3.9 deg 2nd dB dB deg
 F/B Ratio: -13.69 dB 3rd dB dB deg

Amplitude vs Azimuth(Ele.)

Abscissa: Theta
 Unit: Degree
 Ordinate: Amplitude
 Unit: dB

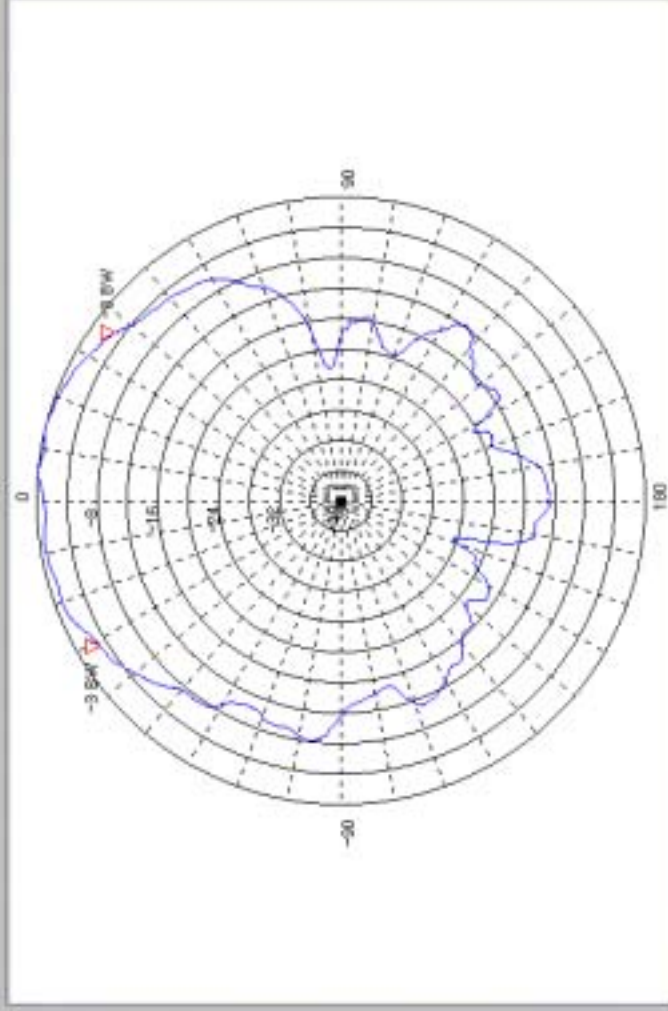
SUNWOO ANT. CO., Ltd
ANTENNA MEASUREMENT SYSTEM
 Copyright (C) 1999 HP KOFEA Ver. 1.0

X축 : 000.000 Y축 : 000.000 Z축 : 000.000

Amplitude vs Azimuth(Elevation) - Polar

Measurement Setup

Model: sel-05
 Date: 2001.09.27
 File Name: 2500-v
 Serial No: default
 Frequency(MHz): 2500
 Level(dBm): 10
 Measure Speed(pps): 8000
 X (90 or 180)
 Y Minimum(dBm): -40
 Zero set(deg): 0
 Polarization(deg): 0
 Elevation Set(deg): 0
 Std Gain(dBi): 16.86
 Freq./dBi/dBm/Level: [dropdown]



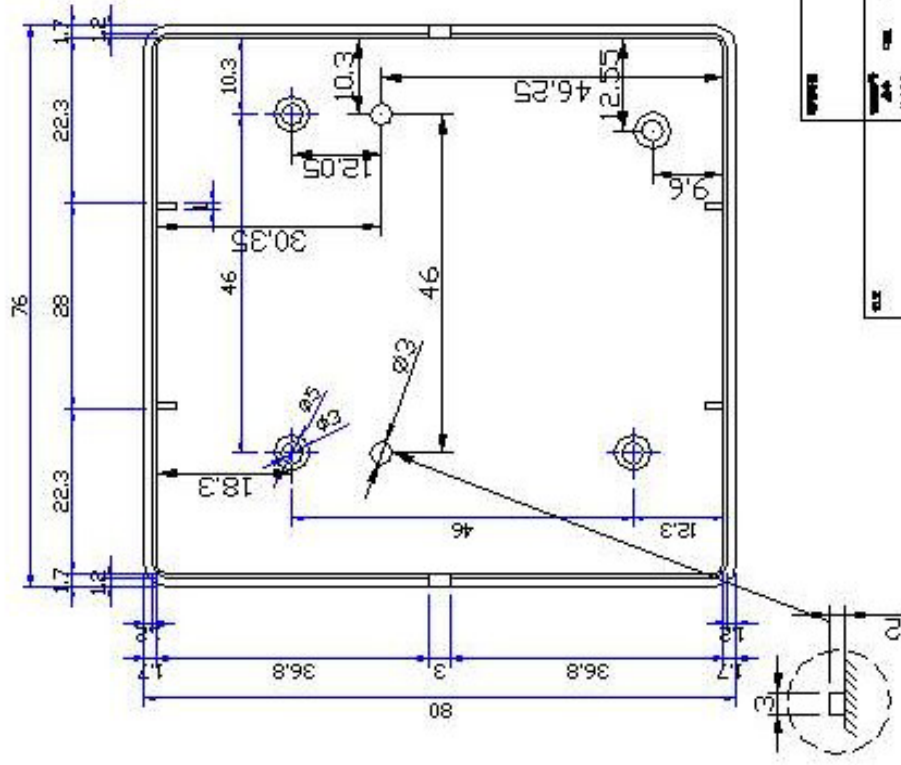
Measurement Result

Beam peak: [] dBi 1st [] deg BW [-3] dB 67.99 deg
 Beam peak: [] dBi 2nd [] deg BW [] dB [] deg
 F/B Ratio: [] dB -12.47 dB [] dB [] deg

Amplitude vs Azimuth(Ele.)

Abscissa: Theta
 Unit: Degree
 Ordinate: Amplitude
 Unit: dB

☎ Sunwoo Communication Co., Ltd. TEL: 491-1771, FAX: 491-3771



제출번호	제출일자	제출인	제출처	제출목적	제출일자
2001.05.12			주요	주요	
제출번호	제출일자	제출인	제출처	제출목적	제출일자
2001.05.12			주요	주요	
제출번호	제출일자	제출인	제출처	제출목적	제출일자
2001.05.12			주요	주요	
제출번호	제출일자	제출인	제출처	제출목적	제출일자
2001.05.12			주요	주요	
제출번호	제출일자	제출인	제출처	제출목적	제출일자
2001.05.12			주요	주요	

제출번호	2001.05.12	제출일자	2001.05.12	제출인	주요	제출처	주요	제출목적	주요	제출일자	
제출번호	2001.05.12	제출일자	2001.05.12	제출인	주요	제출처	주요	제출목적	주요	제출일자	
제출번호	2001.05.12	제출일자	2001.05.12	제출인	주요	제출처	주요	제출목적	주요	제출일자	
제출번호	2001.05.12	제출일자	2001.05.12	제출인	주요	제출처	주요	제출목적	주요	제출일자	

제출번호	2001.05.12	제출일자	2001.05.12	제출인	주요	제출처	주요	제출목적	주요	제출일자	
제출번호	2001.05.12	제출일자	2001.05.12	제출인	주요	제출처	주요	제출목적	주요	제출일자	
제출번호	2001.05.12	제출일자	2001.05.12	제출인	주요	제출처	주요	제출목적	주요	제출일자	
제출번호	2001.05.12	제출일자	2001.05.12	제출인	주요	제출처	주요	제출목적	주요	제출일자	

