

2. Part List. : 첨부 도면 참조.

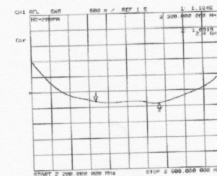
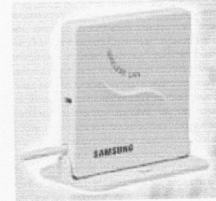
PART NO.	품 명	규 격	재질	거래업체
Sil-05-001	마이크로스트립 기판	유전율 4.7 기판 높이 1.6mm 동판 두께 1mm	FR-4	T&I
Sil-05-002	방사 패치	71*44*0.3T	STEEL	오성공업사
Sil-05-003	컨넥터와 케이블 set	150 ± 5 cm	SMA MALE REVERSE TYPE	우성정밀전자
Sil-05-004	케이스 (상부)	첨부 도면 참조	A.B.S 수지 사출	SJ Korea
Sil-05-005	케이스(하부)	첨부 도면 참조	A.B.S 수지 사출	SJ Korea
Sil-05-006	고정용 브라켓	첨부도면 참조	A.B.S 수지 사출	SJ Korea
Sil-05-007	흔들림 방지 스티커	35*40 mm	천	서울금속
Sil-05-008	지퍼백	120*150 mm	비닐	대명상사
Sil-05-009	에어백		비닐	대명상사
Sil-05-0010	외부 상자	360*300*200 mm	골판지	동광지기

Wireless LAN Patch Antenna

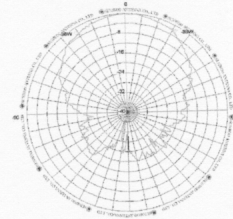
Wireless LAN patch antenna range is designed to give local area coverage for voice and data wherever it is needed. All antennas from the range can be used for both indoor and outdoor applications, locations such as computer rooms, shopping malls, offices, and factories, where signal quality needs to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

SPECIFICATION

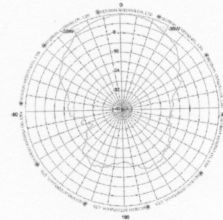
Model	SIL-05		
Type	Microstrip Patch Type		
Characteristic	Electrical Char.	Frequency Range	2.4 GHz ~ 2.5 GHz
		Polarization	Vertical
		Gain (Cable loss 포함)	≥ 5.0 dBi
		Beam width	≥ H-Nominal 60°
			≥ V-Nominal 50°
		V. S. W. R	1 : 1.5
		Power Capability	≤ 5 Watt
		Impedance	50 Ω
	Physical Char.	Radiation Element Material	Steel
		Cable length	150 ± 5 cm
		Dimension	75×78×12 mm
		Weight	100 g
		Input Connector	SMA Male (Reverse)



V.S.W.R vs Frequency



Horizontal Pattern



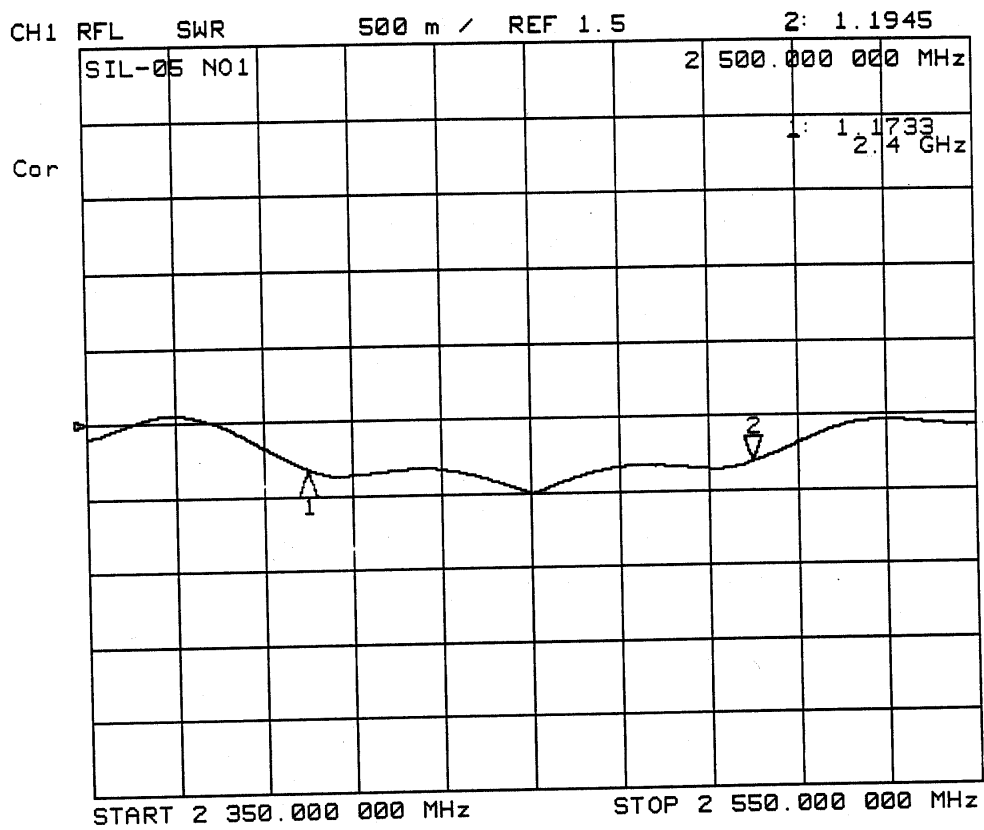
Vertical Pattern

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

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



(주)선우커뮤니케이션
Sunwoo Communication Co., Ltd.





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Measurement Setup

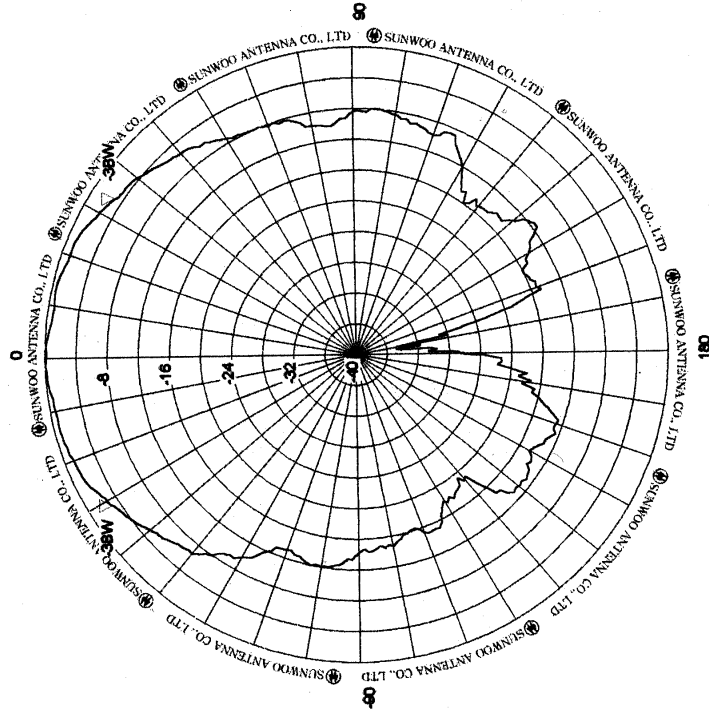
Model : s11-05
Date : 2001.03.26
File Name : 2400-h1
Serial No : 시료1
Frequency : 2400.00 MHz
Level : 10.00 dBm
Std Gain : 16.60 dBi

Azimuth Degree

-180 To 180 Step 8000 PPS
Y Minimum : -40 dBm
Polarization : 0 deg
Elevation Set : 0 deg

Amplitude vs Azimuth Position

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



Beam Peak : 5.76 dBi 1st SR : dB Beam Width : -3.00 dB 65.14 deg
Beam Peak : -1.66 deg 2nd SR : dB Beam Width : dB deg
F/B Ratio : -15.94 dB 3rd SR : dB Beam Width : dB deg



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Measurement Setup

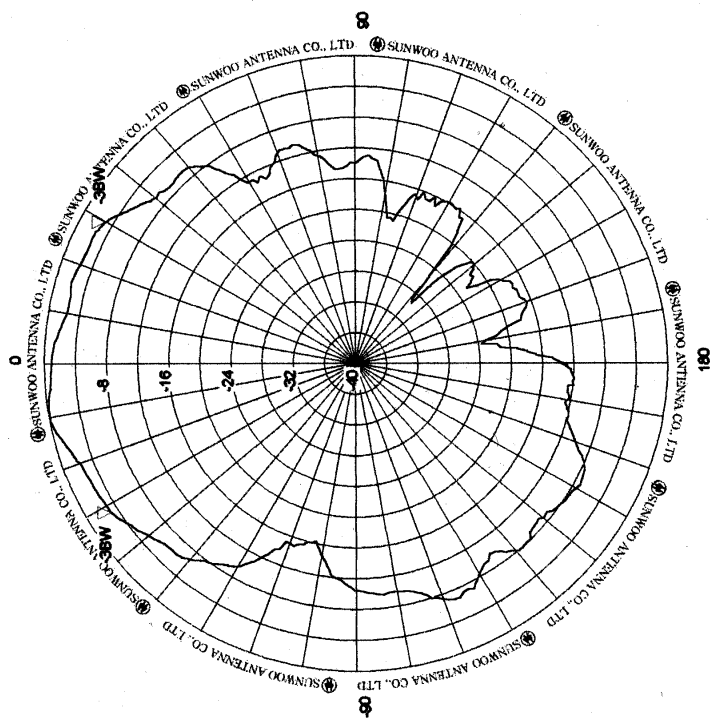
Model : s11-05
Date : 2001.03.26
File Name : 2400-V1
Serial No : 시로1
Frequency : 2400.00 MHz
Level : 10.00 dBm
Std Gain : 16.60 dBi

Azimuth Degree

-180 To 180 Step 8000 PPS
Y Minimum : -40 dBm
Polarization : 0 deg
Elevation Set : 0 deg

Amplitude vs Azimuth Position

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



Beam Peak : dBi 1st SR : dB deg Beam Width : -3.00 dB 61.33 deg
Beam Peak : -10.76 deg 2nd SR : dB deg Beam Width : dB deg
F/B Ratio : -11.97 dB 3rd SR : dB deg Beam Width : dB deg



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Measurement Setup

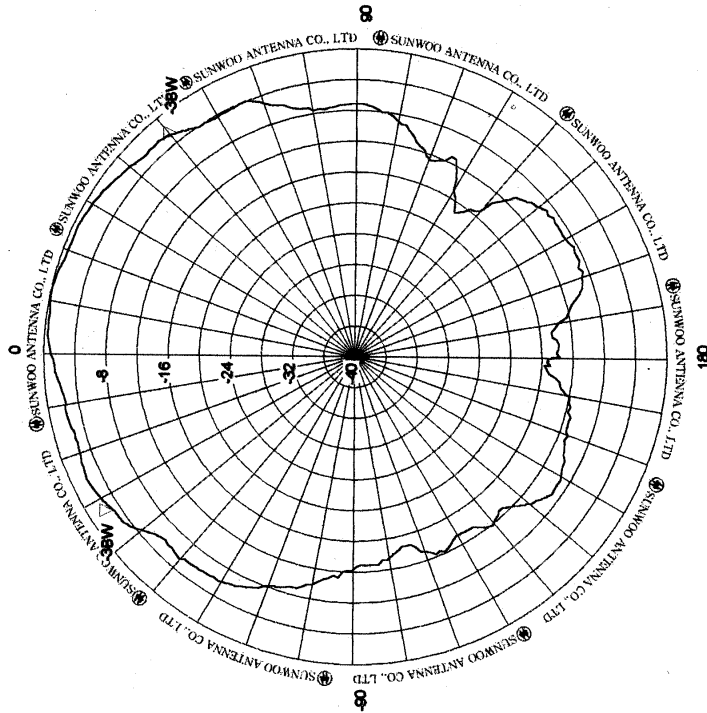
Model : sil-05
Date : 2001.03.26
File Name : 2450-h1
Serial No : 시료1
Frequency : 2450.00 MHz
Level : 10.00 dBm
Std Gain : 16.74 dBi

Azimuth Degree

-180 To 180 Step 8000 PPS
Y Minimum : -40 dBm
Polarization : 0 deg
Elevation Set : 0 deg

Amplitude vs Azimuth Position

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



Beam Peak : 5.37 dBi 1st SR : dB deg Beam Width : -3.00 dB 84.42 deg
Beam Peak : 12.13 deg 2nd SR : dB deg Beam Width : dB deg
F/B Ratio : -11.49 dB 3rd SR : dB deg Beam Width : dB deg



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Measurement Setup

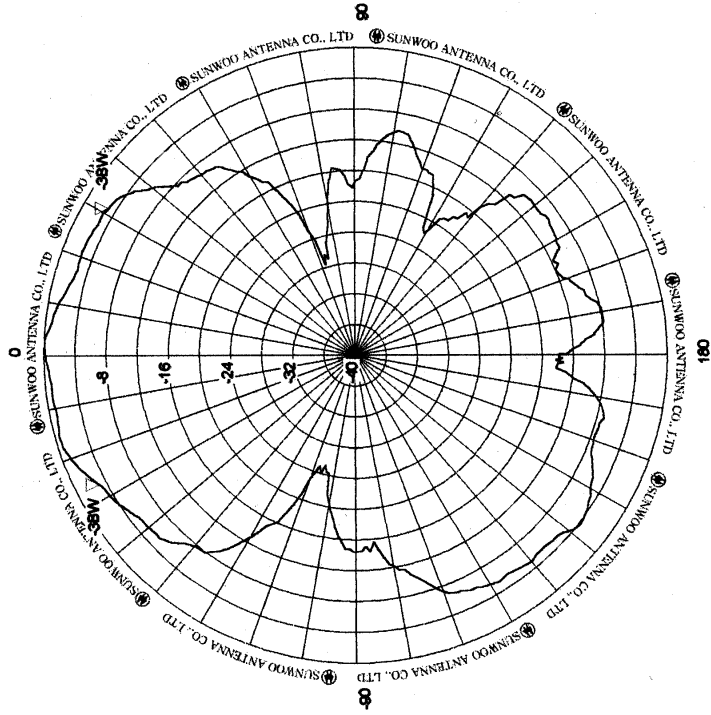
Model : sil-05
Date : 2001.03.28
File Name : 2450-v1
Serial No : 시료1
Frequency : 2450.00 MHz
Level : 10.00 dBm
Std Gain : 16.74 dBi

Azimuth Degree

-180 To 180 Step 8000 PPS
Y Minimum : -40 dBm
Polarization : 0 deg
Elevation Set : 0 deg

Amplitude vs Azimuth Position

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



Beam Peak : dBi 1st SR : dB deg Beam Width : -3.00 dB 58.05 deg
Beam Peak : 2.84 deg 2nd SR : dB deg Beam Width : dB deg
F/B Ratio : -7.18 dB 3rd SR : dB deg Beam Width : dB deg



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Measurement Setup

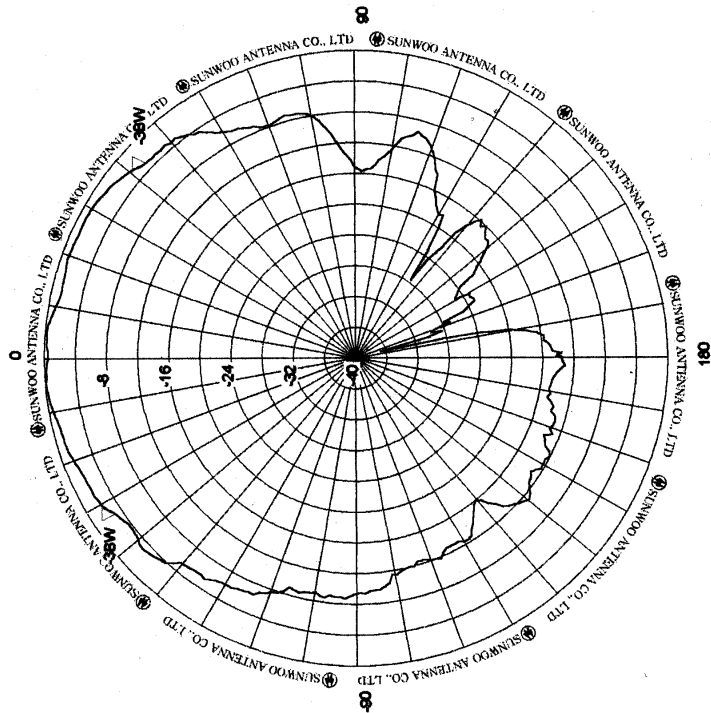
Model : sil-05
Date : 2001.03.26
File Name : 2500-h1
Serial No : 시료1
Frequency : 2500.00 MHz
Level : 10.00 dBm
Std Gain : 16.88 dBi

Azimuth Degree

-180 To 180 Step 8000 PPS
Y Minimum : -40 dBm
Polarization : 0 deg
Elevation Set : 0 deg

Amplitude vs Azimuth Position

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



Beam Peak : 5.72 dBi 1st SR : dB deg Beam Width : -3.00 dB 76.40 deg
Beam Peak : -4.80 deg 2nd SR : dB deg Beam Width : dB deg
F/B Ratio : -13.22 dB 3rd SR : dB deg Beam Width : dB deg



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Measurement Setup

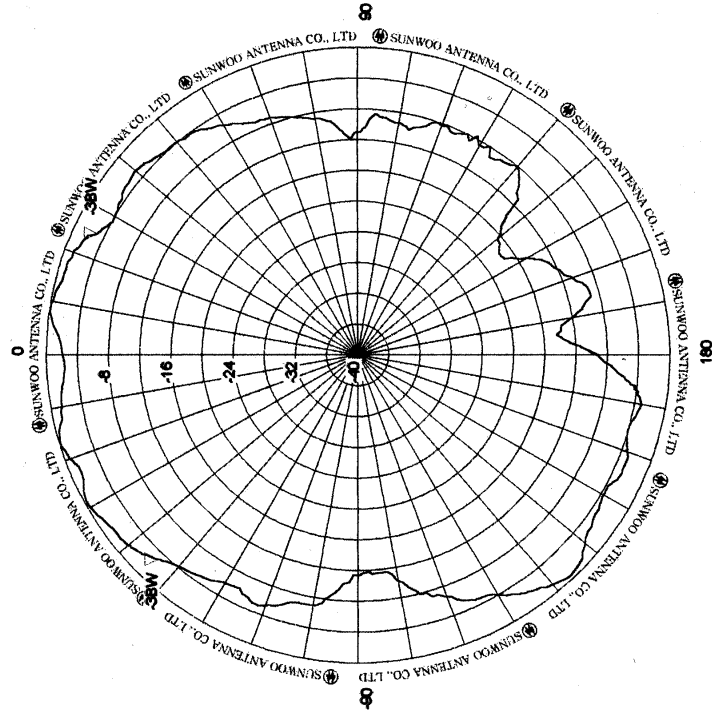
Model : s11-05
Date : 2001.03.26
File Name : 2500-v1
Serial No : 시료1
Frequency : 2500.00 MHz
Level : 10.00 dBm
Std Gain : 16.88 dBi

Azimuth Degree

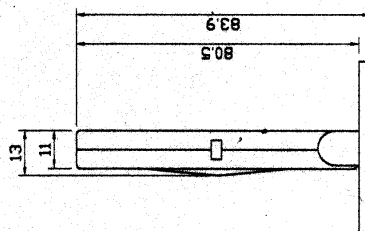
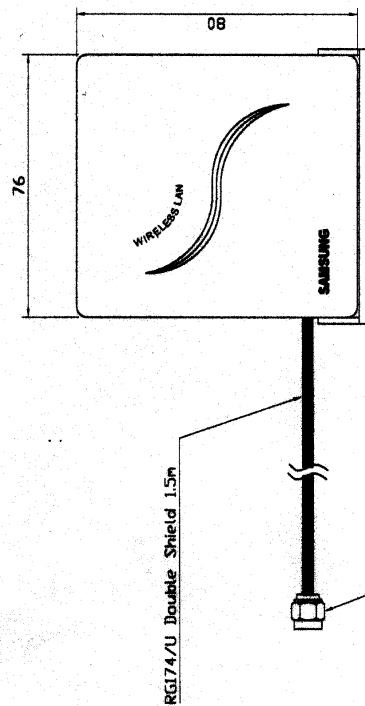
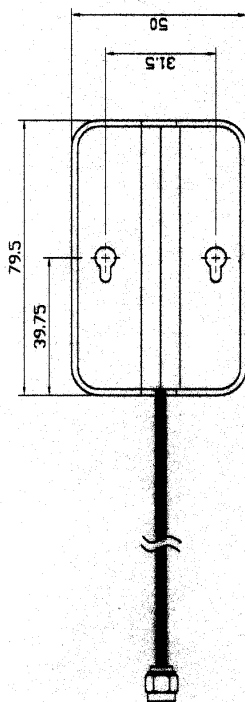
-180 To 180 Step 8000 PPS
Y Minimum : -40 dBm
Polarization : 0 deg
Elevation Set : 0 deg

Amplitude vs Azimuth Position

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



Beam Peak : dBi 1st SR : dB deg Beam Width : -3.00 dB 71.08 deg
Beam Peak : -17.30 deg 2nd SR : dB deg Beam Width : dB deg
F/B Ratio : -3.16 dB 3rd SR : dB deg Beam Width : dB deg

[illegible]