

2. Part List. : 첨부 도면 참조.

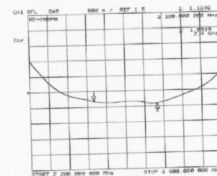
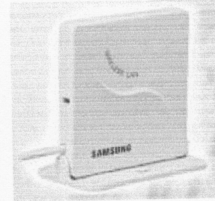
| PART NO. | 품 명 | 규 격 | 재질 | 거래업체 |
|-------------|-----------------|-------------------------------------|-----------------------------|----------|
| Sil-05-001 | 마이크로스트립 기판 | 유전율 4.7 기판 높이 1.6mm 동판 두께 1mm | FR-4 | T&I |
| Sil-05-002 | 방사 패치 | 71*44*0.3T | STEEL | 오성공업사 |
| Sil-05-003 | 컨넥터와 케이블 set | 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

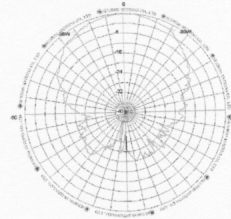
Wireless LAN patch antenna range is designed to give local area coverage for voice and data wherever it is needed. All antennas from the range can be used for both indoor and outdoor applications, locations such as computer rooms, shopping malls, offices, and factories, where signal quality needs to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

SPECIFICATION

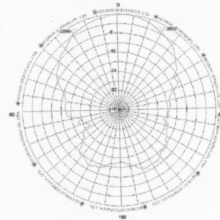
| | | | |
|-----------------|-----------------------|----------------------------|-------------------|
| Model | SIL-05 | | |
| Type | Microstrip Patch Type | | |
| Characteristic | Electrical Char. | Frequency Range | 2.4 GHz ~ 2.5 GHz |
| | | Polarization | Vertical |
| | | Gain (Cable loss 포함) | ≥ 5.0 dBi |
| | | Beam width | ≥ H-Nominal 60° |
| | | | ≥ V-Nominal 50° |
| | V. S. W. R | 1 : 1.5 | |
| | Physical Char. | Power Capability | ≤ 5 Watt |
| | | Impedance | 50 Ω |
| | | 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

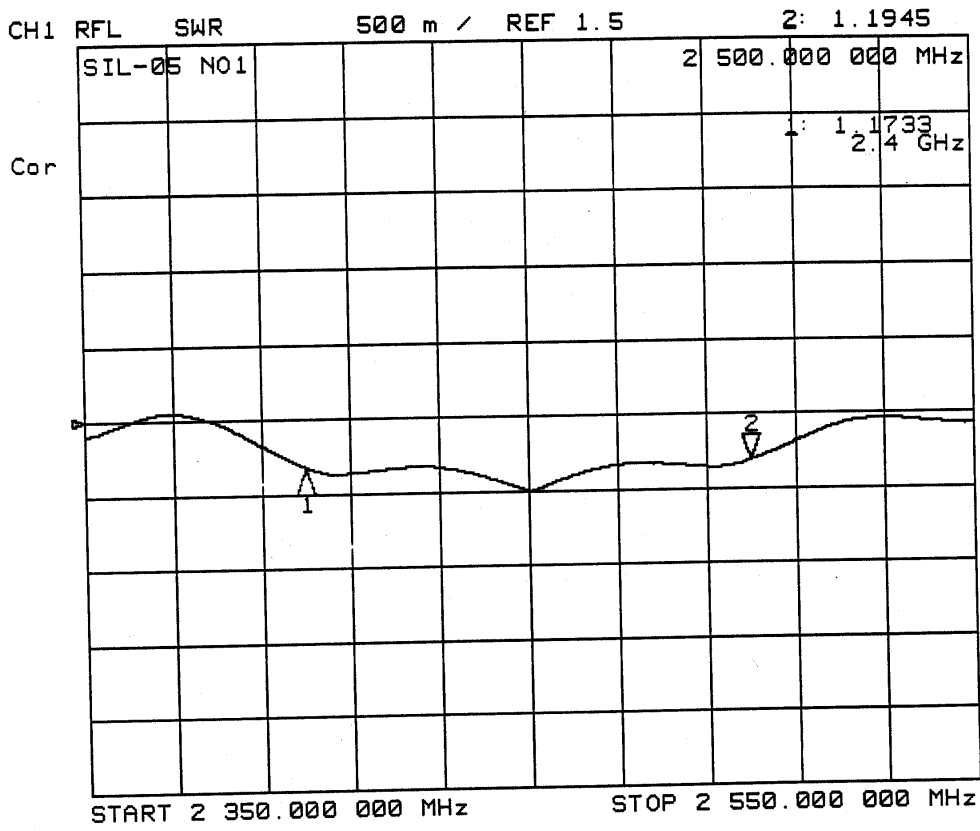


Vertical Pattern

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

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





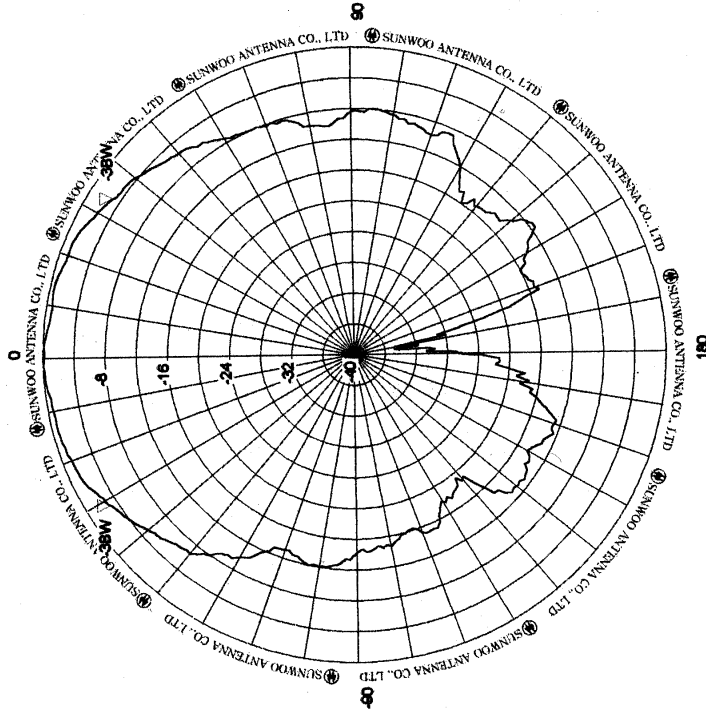


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Antenna Measurement System
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Measurement Setup
 Model : s11-05
 Date : 2001.03.26
 File Name : 2400-h1
 Serial No : 시료1
 Frequency : 2400.00 MHz
 Level : 10.00 dBm
 Std Gain : 16.60 dBi

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



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Measurement Setup

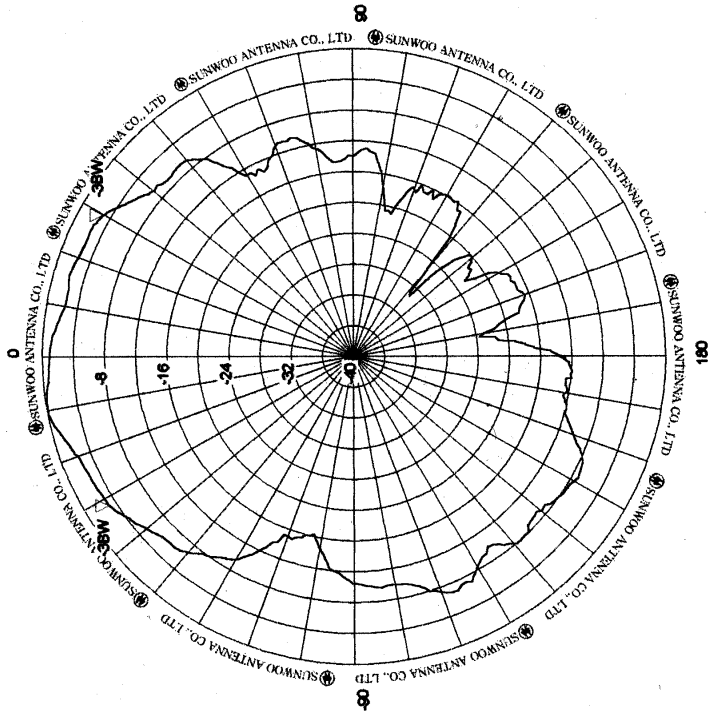
Model : s11-05
 Date : 2001.03.26
 File Name : 2400-V1
 Serial No : 시101
 Frequency : 2400.00 MHz
 Level : 10.00 dBm
 Std Gain : 16.60 dBi

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



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Measurement Setup

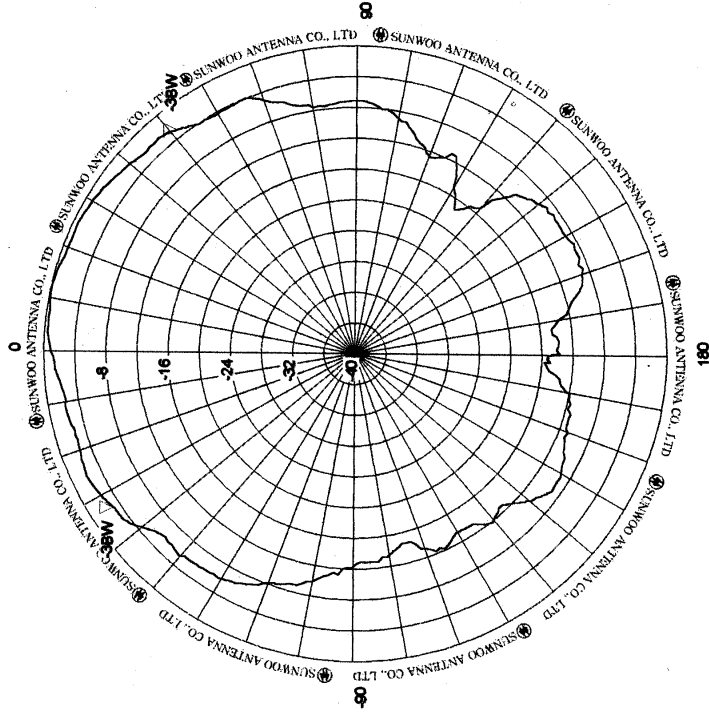
Model : s11-05
 Date : 2001.03.26
 File Name : 2450-h1
 Serial No : 시표1
 Frequency : 2450.00 MHz
 Level : 10.00 dBm
 Std Gain : 16.74 dBi

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

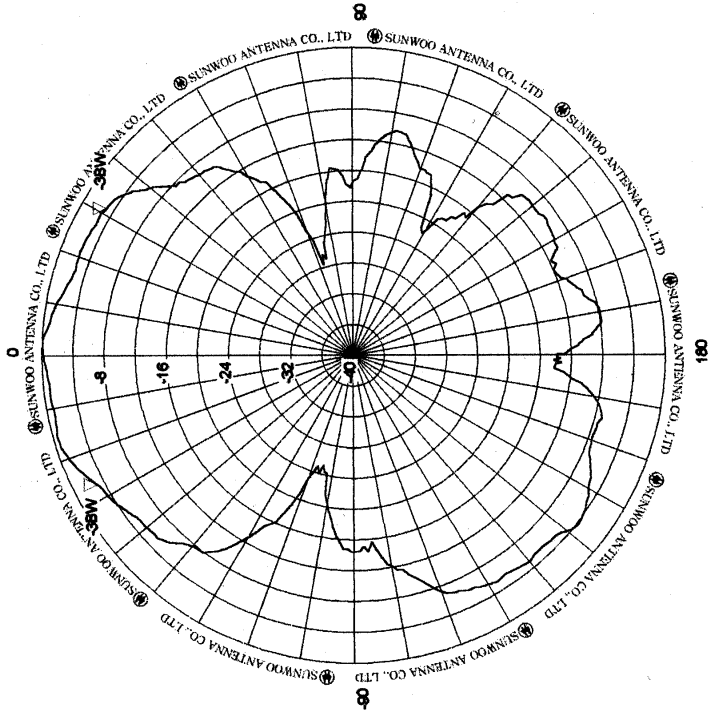
Model : s11-05
 Date : 2001.03.28
 File Name : 2450-v1
 Serial No : 시료1
 Frequency : 2450.00 MHz
 Level : 10.00 dBm
 Std Gain : 16.74 dBi

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

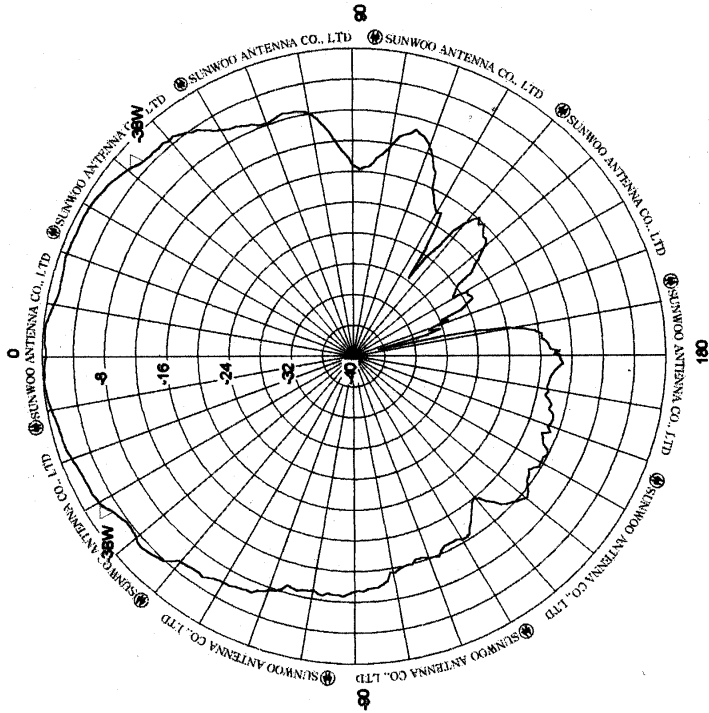
Model : sil-05
 Date : 2001.03.26
 File Name : 2500-h1
 Serial No : 시료1
 Frequency : 2500.00 MHz
 Level : 10.00 dBm
 Std Gain : 16.88 dBi

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

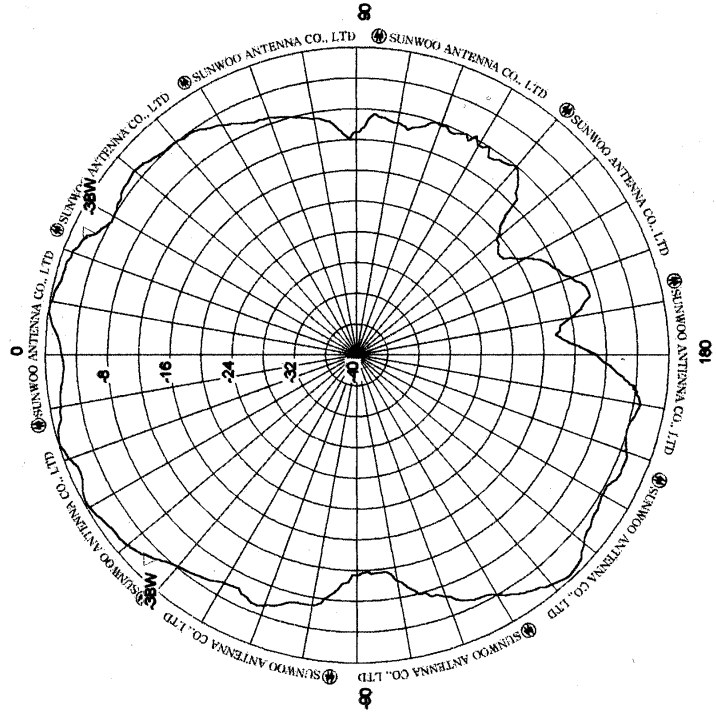
Model : s11-05
 Date : 2001.03.26
 File Name : 2500-V1
 Serial No : 시료1
 Frequency : 2500.00 MHz
 Level : 10.00 dBm
 Std Gain : 16.88 dBi

Azimuth Degree

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

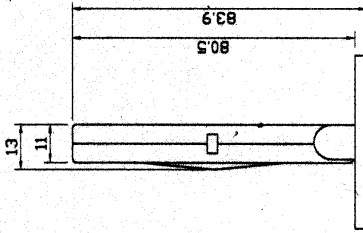
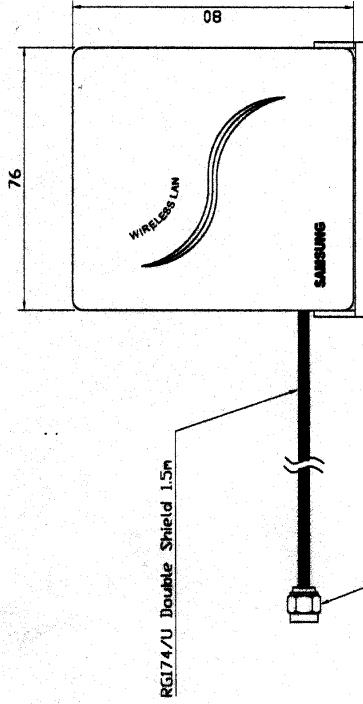
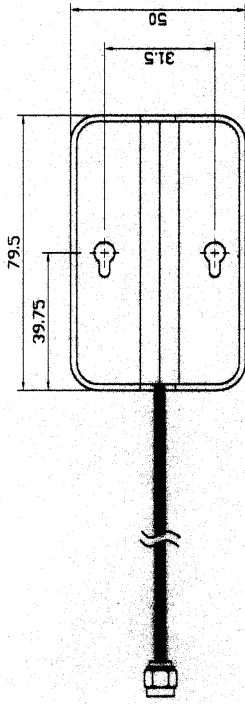
Amplitude vs Azimuth Position

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

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



| 구분 | | 부품명 | | 수량 | | 재질 | | 부품번호 | | 비고 | |
|----|-----|-----|----|------|----|----------------------------------|--|------|--|----|--|
| 구분 | 부품명 | 수량 | 재질 | 부품번호 | 비고 | ☉ Sunwoo Communication Co., Ltd. | | | | | |
| 구분 | 부품명 | 수량 | 재질 | 부품번호 | 비고 | 도명 | | | | | |
| 구분 | 부품명 | 수량 | 재질 | 부품번호 | 비고 | SIL-05 (외관도) | | | | | |
| 구분 | 부품명 | 수량 | 재질 | 부품번호 | 비고 | 도명 | | | | | |
| 구분 | 부품명 | 수량 | 재질 | 부품번호 | 비고 | SIL-05-0 | | | | | |
| 구분 | 부품명 | 수량 | 재질 | 부품번호 | 비고 | 수량 | | | | | |
| 구분 | 부품명 | 수량 | 재질 | 부품번호 | 비고 | 1/1.5 mm | | | | | |
| 구분 | 부품명 | 수량 | 재질 | 부품번호 | 비고 | mm | | | | | |