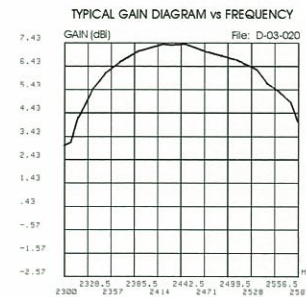
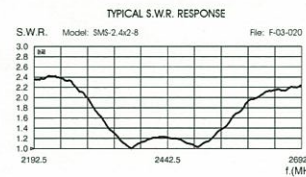
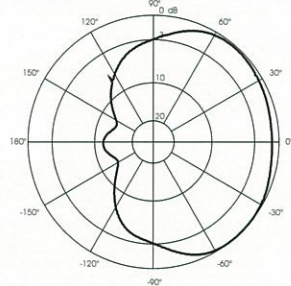


SMS 2.4x2-8

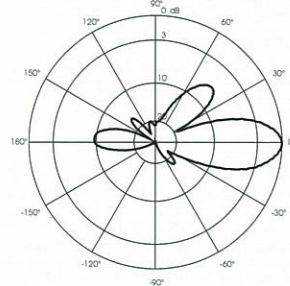
Multi Sector



TYPICAL RADIATION PATTERN in H-plane at 2442.5 MHz
File: E-03-020 Scale: logarithmic



TYPICAL RADIATION PATTERN in E-plane at 2442.5 MHz
File: E-03-020 Scale: logarithmic



- Base station multi sector antenna
- Omnidirectional coverage 2x180° horizontal beamwidth
- Mono-band, High-gain
- DC-ground protection
- Multi sector antenna made of teflon PCB protected by grey thermoplastic UV stabilized radome
- For WLAN system

P/N 2130403.00

Electrical data

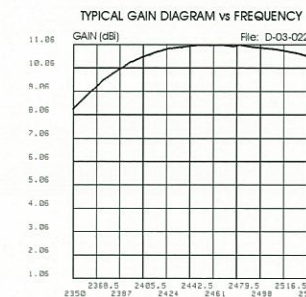
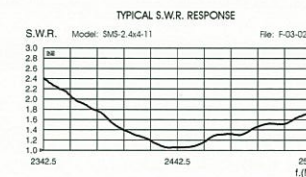
Type:Multi sector dipole array
Frequency range:2400-2485 MHz for WLAN system
Impedance:50 Ω unbalanced
Radiation (H-plane): beamwidth at -3 dB = 180° at 2442.5 MHz
Radiation (E-plane): beamwidth at -3 dB = 27° at 2442.5 MHz
Radiation angle:0°
Front to back ratio: $\geq$ 30 dB
Isolation: $\geq$ 30 dB (between any two port)
Polarization:vertical
Gain:5.3 dBi - 7.4 dBi
V.S.W.R. in bandwidth: $\leq$ 1.3:1
Max. power:20 Watts (CW) at 50° C
Feed system / position:direct DC-ground / base
Connection:2 x N-female

Mechanical data

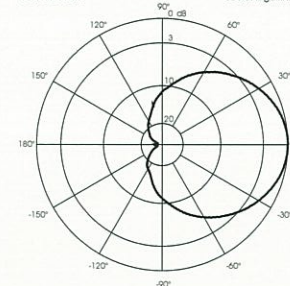
Housing materials:Aluminium, Stainless steel, PCB
Radome material:Grey thermoplastic UV stabilized
Wind load / resistance:60 N at 150 Km/h / 200 Km/h
Wind surface:0.05m²
Height (approx.):600 mm
Radome diameter: $\varnothing$ 136 mm
Weight (approx.):1150 gr
Operating temperature:-40° C to +80° C
Mounting mast: $\varnothing$ 35-54 mm

SMS 2.4x4-11

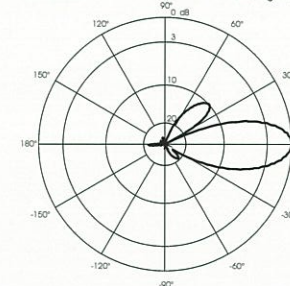
Multi Sector



TYPICAL RADIATION PATTERN in H-plane at 2442.5 MHz
File: E-03-022 Scale: logarithmic



TYPICAL RADIATION PATTERN in E-plane at 2442.5 MHz
File: E-03-022 Scale: logarithmic



- Base station multi sector antenna
- Omnidirectional coverage 4x90° horizontal beamwidth
- Mono-band, High-gain
- DC-ground protection
- Multi sector antenna made of teflon PCB protected by grey thermoplastic UV stabilized radome
- For WLAN system

P/N 2130803.00

Electrical data

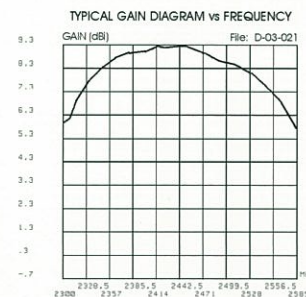
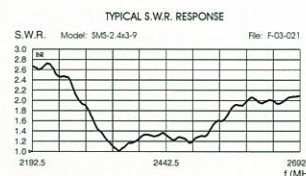
Type:Multi sector dipole array
Frequency range:2400-2485 MHz for WLAN system
Impedance:50 Ω unbalanced
Radiation (H-plane): beamwidth at -3 dB = 84° at 2442.5 MHz
Radiation (E-plane): beamwidth at -3 dB = 25° at 2442.5 MHz
Radiation angle:0°
Front to back ratio: $\geq$ 20 dB
Isolation: $\geq$ 30 dB (between any two port)
Polarization:vertical
Gain:8.9 dBi - 11 dBi
V.S.W.R. in bandwidth: $\leq$ 1.5:1
Max. power:20 Watts (CW) at 50° C
Feed system / position:direct DC-ground / base
Connection:4 x N-female

Mechanical data

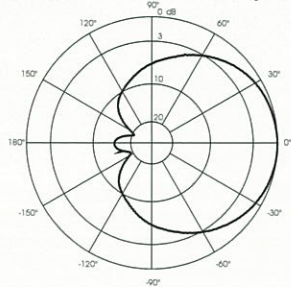
Housing materials:Aluminium, Stainless steel, PCB
Radome material:Grey thermoplastic UV stabilized
Wind load / resistance:94 N at 150 Km/h / 180 Km/h
Wind surface:0.08 m²
Height (approx.):600 mm
Radome diameter: $\varnothing$ 216 mm
Weight (approx.):2300 gr
Operating temperature:-40° C to +80° C
Mounting mast: $\varnothing$ 35-52 mm

SMS 2.4x3-9

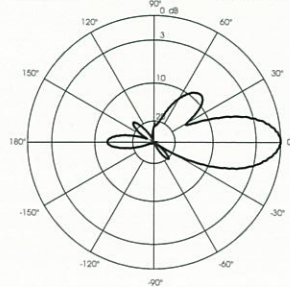
Multi Sector



TYPICAL RADIATION PATTERN in H-plane at 2442.5 MHz
File: E-03-021 Scale: logarithmic



TYPICAL RADIATION PATTERN in E-plane at 2442.5 MHz
File: E-03-021 Scale: logarithmic



- Base station multi sector antenna
- Omnidirectional coverage 3x120° horizontal beamwidth
- Mono-band, High-gain
- DC-ground protection
- Multi sector antenna made of teflon PCB protected by grey thermoplastic UV stabilized radome
- For WLAN system

P/N 2130603.00

Electrical data

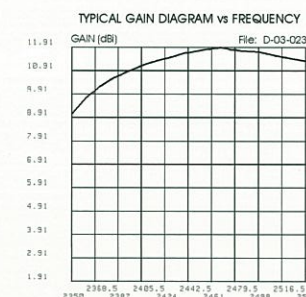
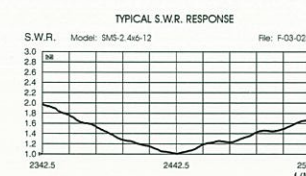
Type:Multi sector dipole array
Frequency range:2400-2485 MHz for WLAN system
Impedance:50 Ω unbalanced
Radiation (H-plane): beamwidth at -3 dB = 122° at 2442.5 MHz
Radiation (E-plane): beamwidth at -3 dB = 28° at 2442.5 MHz
Radiation angle:0°
Front to back ratio: $\geq$ 11 dB
Isolation: $\geq$ 30 dB (between any two port)
Polarization:vertical
Gain:7.2 dBi - 9.3 dBi
V.S.W.R. in bandwidth: $\leq$ 1.4:1
Max. power:20 Watts (CW) at 50° C
Feed system / position:direct DC-ground / base
Connection:3 x N-female

Mechanical data

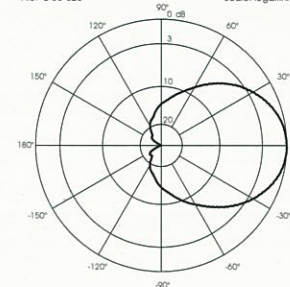
Housing materials:Aluminium, Stainless steel, PCB
Radome material:Grey thermoplastic UV stabilized
Wind load / resistance:60 N at 150 Km/h / 200 Km/h
Wind surface:0.05m²
Height (approx.):600 mm
Radome diameter: $\varnothing$ 136 mm
Weight (approx.):1250 gr
Operating temperature:-40° C to +80° C
Mounting mast: $\varnothing$ 35-54 mm

SMS 2.4x6-12

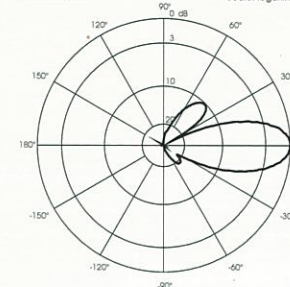
Multi Sector



TYPICAL RADIATION PATTERN in H-plane at 2442.5 MHz
File: E-03-023 Scale: logarithmic



TYPICAL RADIATION PATTERN in E-plane at 2442.5 MHz
File: E-03-023 Scale: logarithmic



- Base station multi sector antenna
- Omnidirectional coverage 6x60° horizontal beamwidth
- Mono-band, High-gain
- DC-ground protection
- Multi sector antenna made of teflon PCB protected by grey thermoplastic UV stabilized radome
- For WLAN system

P/N 2131103.00

Electrical data

Type:Multi sector dipole array
Frequency range:2400-2485 MHz for WLAN system
Impedance:50 Ω unbalanced
Radiation (H-plane): beamwidth at -3 dB = 70° at 2442.5 MHz
Radiation (E-plane): beamwidth at -3 dB = 27° at 2442.5 MHz
Radiation angle:0°
Front to back ratio: $\geq$ 25 dB
Isolation: $\geq$ 30 dB (between any two port)
Polarization:vertical
Gain:9.9 dBi - 12 dBi
V.S.W.R. in bandwidth: $\leq$ 1.4:1
Max. power:20 Watts (CW) at 50° C
Feed system / position:direct DC-ground / base
Connection:6 x N-female

Mechanical data

Housing materials:Aluminium, Stainless steel, PCB
Radome material:Grey thermoplastic UV stabilized
Wind load / resistance:94 N at 150 Km/h / 180 Km/h
Wind surface:0.08 m²
Height (approx.):600 mm
Radome diameter: $\varnothing$ 216 mm
Weight (approx.):3150 gr
Operating temperature:-40° C to +80° C
Mounting mast: $\varnothing$ 35-52 mm