Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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Smart Technology. Delivered.

Dual Band 2400-2500 MHZ/5150-5875 MHz 6-port MIMO Pole/Mast Mount Antenna

OP24516DS

6-PORT OMNIDIRECTIONAL DUAL BAND MIMO ANTENNA

The OP24516DS antenna is an indoor/outdoor pole mounted omnidirectional antenna designed for 802.11n applications. As a 6-element MIMO antenna, each port operates over the 2.4GHz and 5 GHz bands, providing a broadband solution in a single radome. It features a low profile radome and is designed to withstand the rigors of outdoor applications with an IP67 Ingression Protection rating. The radiation patterns are uniform and symmetrical, providing high levels of signal density into defined coverage zones. This antenna greatly enhances the performance of 802.11n systems.

FEATURES RoHS

- Low profile esthetically neutral housing
- Both indoor/outdoor
- 6-element MIMO solution
- IP67 rating
- Conformance to RoHS

MARKETS

- Offices, hotels and college campuses
- Airports and hospitals
- Bus terminals and train stations
- Museums, libraries and retail malls
- Wi-Fi Hot Spots
- Cellular off-loading
- 802.11n MIMO

PARAMETER	PERFORMANCE
Frequency	2400-2500 MHz/5150-5875 MHz
Gain (dBi)	2.0 Typical (2.8 Max)/ 4.8 Typical (6.5 Max)
VSWR	2.0:1, Max
Nominal Impedance	50Ω
Polarization	Linear, Vertical
Azimuth Typical 3dB Beamwidth	Omnidirectional
Elevation Typical 3dB Beamwidth	66° /30°
Port-to-Port Isolation	20 dB /25 dB
Input Power	5W x 6
RF Connector	Type N, Male 6x
Cable Type	Plenum rated RG-58
Cable Length	910 mm±18 mm 6x (36 in±0.71 in 6x)
Radome Material	Polycarbonate, White
Mounting	Mast Mount (31.8-57.2 OD)
Wind Survival	200 km/hr (125 mph)
Operational Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Ingression Protection	IP67
Dimensions (height x OD)	116.5 x 209.6 mm
Weight	1.6 kg (3.53 lbs)

CONNECTORS

PART NO.	CONNECTOR
OP24516DS-91NM	Type N male
OP24516DS-91RSMM	Reverse Polarity SMA male

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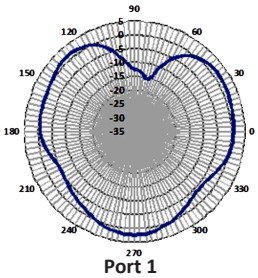
OP24516DS

AZIMUTH PATTERNS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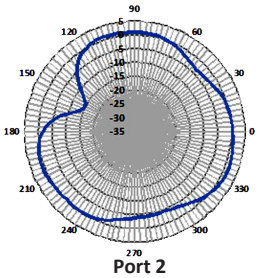
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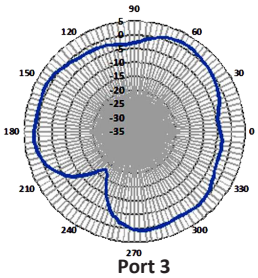
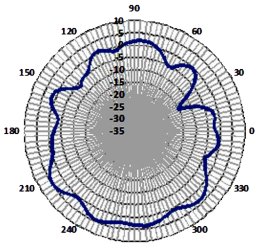

Port 3

Frequency = 2400 MHz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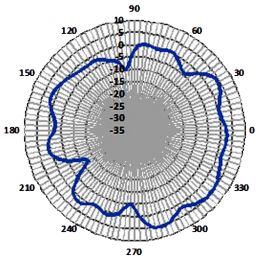
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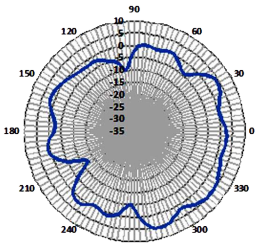
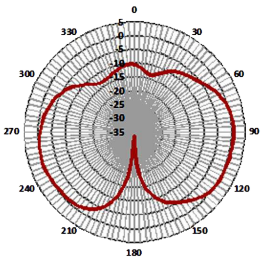

Port 3

Frequency = 5550 MHz

ELEVATION PATTERNS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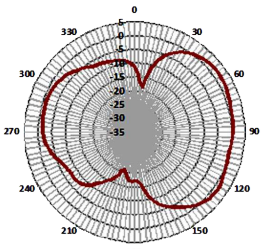
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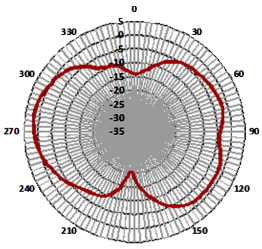
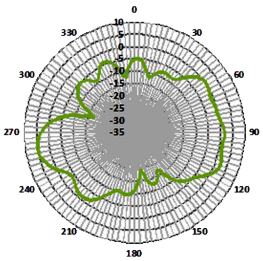

Port 3

Frequency = 2400 MHz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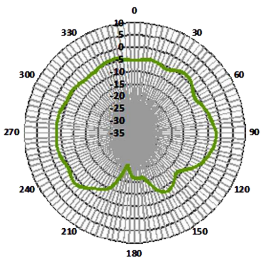
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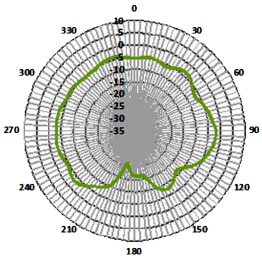
Port 3

Frequency = 5550 MHz

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