Product Highlights

D-Link Nuclias Cloud Management

Extensive range of management functions can be performed hassle-free from anywhere through the D-Link Nuclias cloud

Business-Class 802.11ac Wave 2 Connectivity

Increase your network capacity with lightning-fast dual-band 802.11ac Wave 2 wireless, load balancing, and PoE-ready Gigabit Ethernet

Zero-Touch Deployment

Cloud-based auto-configuration allows for swift plug and play installation and eliminates the need for on-site setup

DBA Series

Nuclias Cloud-Managed Wave 2 Access Points

Features

D-Link Nuclias Cloud Management

- Centralized cloud-based management
- Zero-touch deployment
- Unlimited scalability with no limitation on the number of supported APs
- Intuitive web and app-based interface
- Real-time at-a-glance network information
- Management of multiple sites and devices through single pane of glass
- Over-the-air firmware updates through the cloud
- Instant alerts and notifications

Best-in-class Built for Enterprise Access Point

- IEEE 802.11ac Wave 2 wireless
- Supports IEEE 802.3at Power over Ethernet (PoE)
- Integrated DHCP server
- WPA/WPA2-Personal/Enterprise Support
- WPA3 Support
- Supports RADIUS client and Cipher negotiation
- Supports Link Aggregation

D-Link Nuclias is an innovative cloud networking solution that allows you to centrally manage your entire network from anywhere, any time through its intuitive portal interface or mobile app. Featuring a full range of cloud-managed access points and switches supported by zero-touch deployment, Nuclias enables small businesses and enterprises to quickly deploy a powerfully versatile global wired and wireless network.

The DBA Series Nuclias Cloud-Managed Wave 2 Access Points is deployed as a pre-managed, zero-configuration access point controlled through the D-Link Nuclias cloud[1]. These are the best-in-class indoor access points designed specifically for enterprise environments. With next-generation 802.11ac Wave 2 dual-band concurrent 2.4 GHz and 5 GHz radios, the DBA Series offers high combined data rates to wireless clients allowing for lightning-fast access to bandwidth-intensive applications such as data, voice, and video streaming.

Centralized Management With D-Link Nuclias

Designed to be managed through the D-Link Nuclias cloud, the DBA Series can be set up easily with the help of the intuitive D-Link Nuclias browser-based or mobile app interface. Centralized cloud management allows for zero-touch provisioning, enabling businesses to quickly configure, deploy, maintain, and expand their network remotely. Configuration settings can be set up, managed, and deployed through the cloud anytime, anywhere through any web browser or the dedicated mobile app, meaning devices can be deployed at a remote location without any need for trained on-site staff. Similarly, over-the-air firmware updates are automatically pushed to devices through the cloud.

Hassle-free Administration and Versatile Deployment

With D-Link Nuclias, businesses can now more effectively organize their entire wireless network, manage multiple APs simultaneously, and monitor live network statistics. With the user-friendly single pane of glass management console, administrators have access to an intuitive way of organizing the network into multiple sites, which simplifies management across multiple areas. With no limitation on the number of devices, businesses can easily cater to the demands of a growing network by simply adding more devices to the network.

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DBA Series
Nuclias Cloud-Managed Wave 2 Access Points

Enterprise Security

To ensure the safety and reliability of all sensitive traffic, all management data to and from the cloud is separated from regular data using a SSL encrypted out-of-band connection. In addition, D-Link Nuclias offers a range of industry standard authentication and authorization methods to control user access. Administrators can configure external RADIUS servers and set up IP and MAC-based access control lists to authenticate and authorize clients in order to create a safe and trusted network environment. The DBA Series supports both Personal and Enterprise versions of WPA and WPA2 (802.11i), as well as MAC address filtering, wireless LAN segmentation, SSID broadcast disabling, and wireless broadcast scheduling to further help protect the wireless network.

Automated Monitoring and Alerts

Through the intuitive D-Link Nuclias dashboard, administrators can remotely view real-time information about the network and get an instant overview of key network statistics such as performance, connectivity, and network usage. Administrators can filter and customize the dashboard to display only the necessary information for a more focused experience. This allows administrators to be ahead of any problems with instant push notifications and alerts that can be customized to ensure that administrators can swiftly identify problems and perform immediate troubleshooting without the need for on-site staff.

D-Link Smart Antenna (DBA-2620P)

The DBA-2620P features D-Link Smart Antenna technology that helps to select optimal radiation pattern for each client and uses digital beam forming to enhance the antenna gain and achieve optimal throughput. In addition, the D-Link Smart Antenna supports multiple radio patterns to dynamically adapt to different kinds of environments. Meanwhile, the fast channel and bandwidth selection features always look for the best channel with the least interference for smoother performance. With these capabilities, the DBA-2620P ensures a reliable connection reliability and optimized wireless user experience.

Tri-Band Wi-Fi (DBA-2720P)

The DBA-2720P is equipped with tri-band wireless technology featuring one 2.4 GHz and two 5 GHz wireless bands to accommodate for the increasing number of devices connecting to a single access point. By allowing older 802.11b/g/n devices to connect to the 2.4 GHz, the two 5 GHz bands can be dedicated to newer, faster wireless AC devices to enjoy seamless bandwidth intensive applications such as HD video streaming, VoIP, and file sharing. Thanks to intelligent band steering technology, the DBA-2720P can also efficiently load balance clients and traffic between the three wireless bands to ensure all wireless clients have better user experience in high desnity environments.

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Nuclias Cloud-Managed Wave 2 Access Points

Technical Specifications

General

Model	• DBA-2520P	• DBA-2620P	• DBA-2720P[3]	• DBA-2820P
Interfaces	• 2 x 10/100/1000 Mbps Ethernet port • 1 x 10/100/1000 Mbps Console port • IEEE 802.11a/b/g/n/ac Wave 2 wireless			
Standards	• IEEE 802.11a/b/n/g/ac Wave 2 • IEEE 802.3az Energy-Efficient Ethernet (EEE) • IEEE 802.3at Power over Ethernet (PoE) • IEEE 802.3i/u/ab • IEEE 802.3x Flow Control			
Antenna	• Internal omnidirectional antennas • 2.4 GHz: 3 dBi • 5 GHz: 4 dBi	• Internal omnidirectional antennas • 2.4 GHz: 5 dBi (variable) • 5 GHz: 6 dBi (variable)	• Internal omnidirectional antennas • 2.4 GHz: 3 dBi • 5 GHz(1): 4 dBi • 5 GHz(2): 4 dBi	• Internal omnidirectional antennas • 2.4 GHz: 3 dBi • 5 GHz: 4 dBi
Maximum Output Power	• 2.4 GHz: 25 dBm • 5 GHz: 25 dBm	• 2.4 GHz: 26 dBm • 5 GHz: 26 dBm	• 2.4 GHz: 26 dBm • 5 GHz (1): 26 dBm • 5 GHz (2): 26 dBm	• 2.4 GHz: 26 dBm • 5 GHz: 26 dBm
Data Signal Rate	• 2.4 GHz: Up to 600 Mbps[2] • 5 GHz: Up to 1299 Mbps[2]	• 2.4 GHz: Up to 400 Mbps[2] • 5 GHz: Up to 867 Mbps[2]	• 2.4 GHz: Up to 400 Mbps[2] • 5 GHz (1): Up to 867 Mbps[2] • 5 GHz (2): Up to 867 Mbps[2]	• 2.4 GHz: Up to 800 Mbps[2] • 5 GHz: Up to 1733 Mbps[2]

Functionality

Security	• WPA3-Personal/Enterprise • WPA2-Personal/Enterprise • WPA-Personal/Enterprise • MAC address filtering • SSID isolation • Guest isolation • Captive portal • Station isolation

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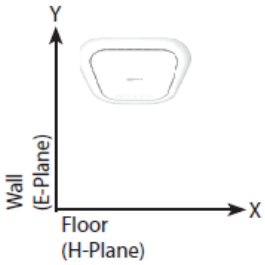
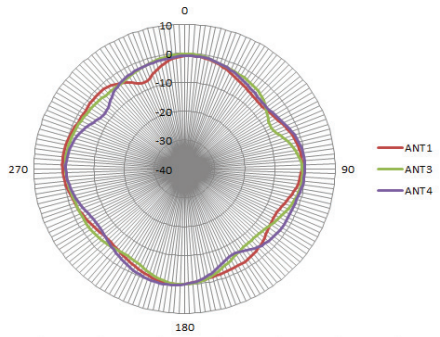
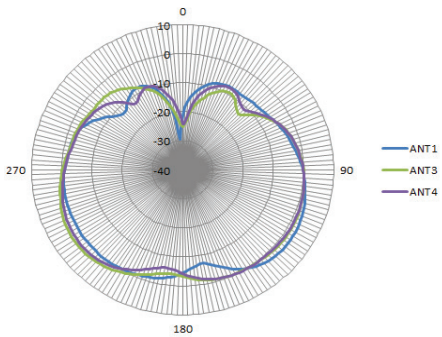
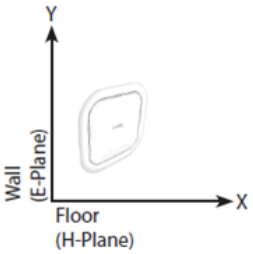
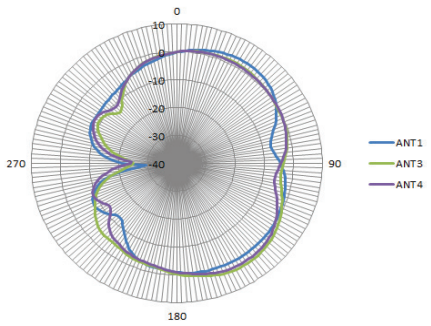
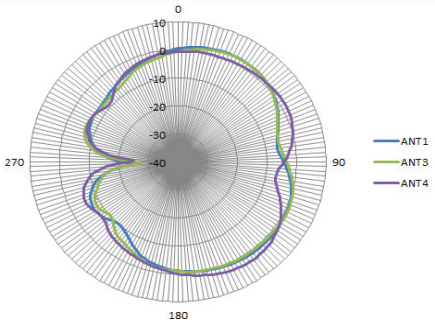
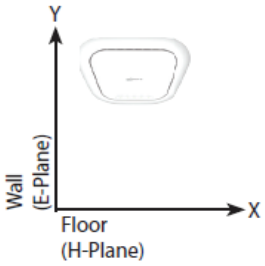
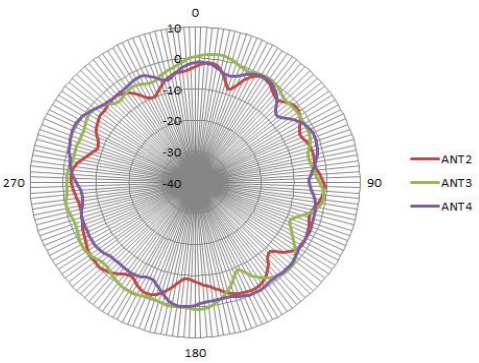
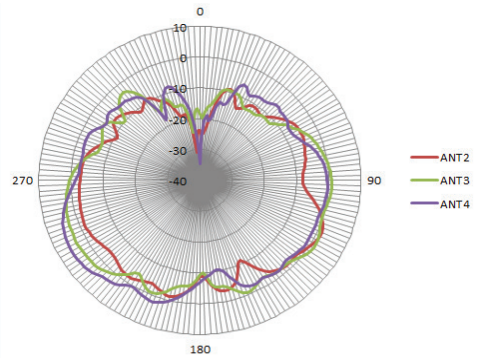
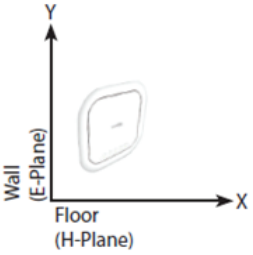
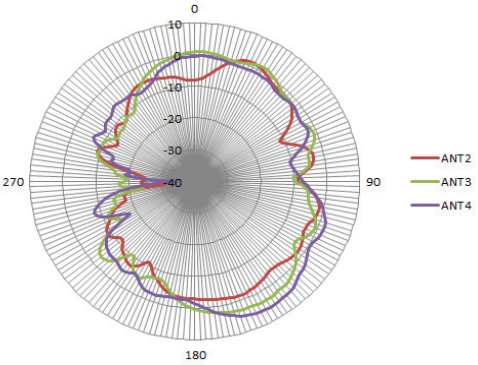
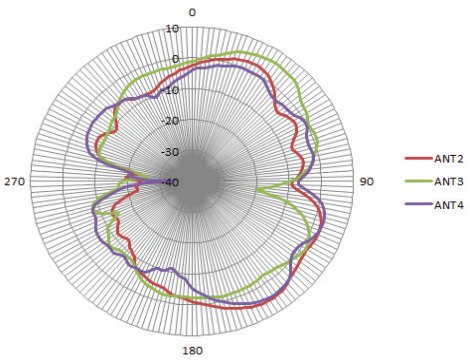
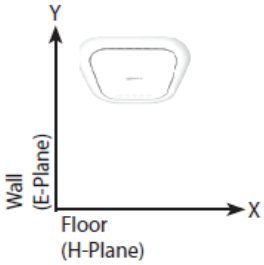
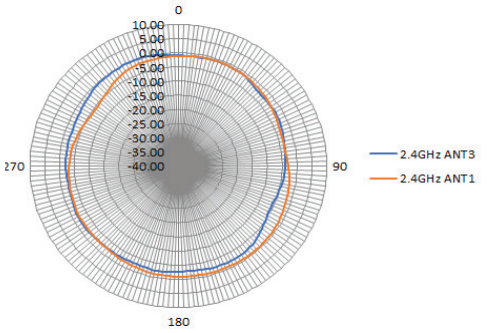
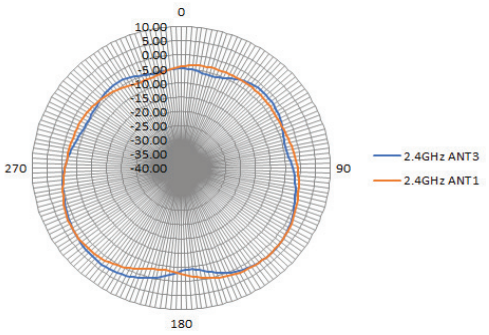
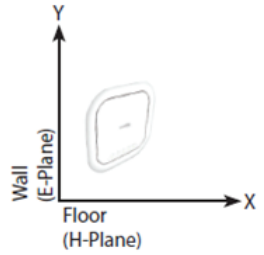
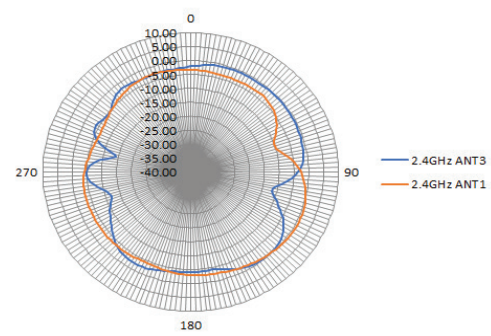
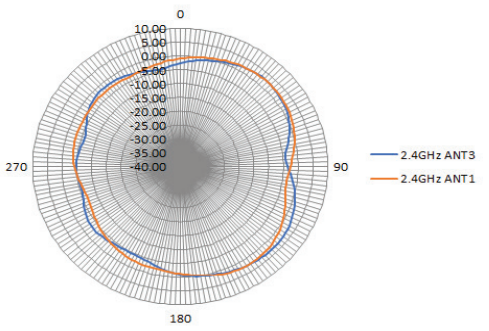
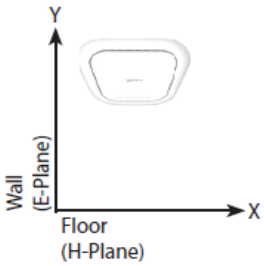
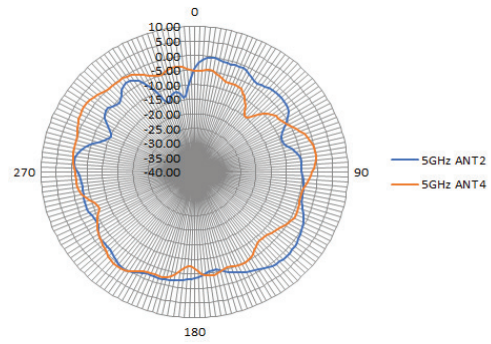
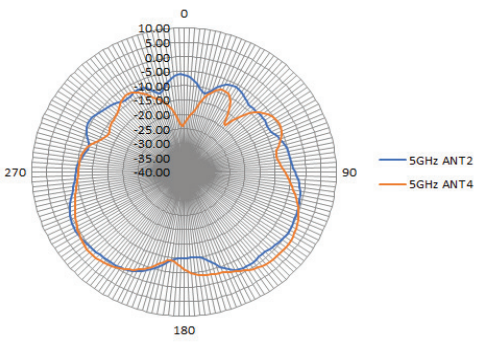
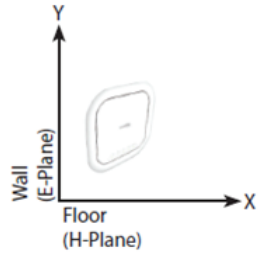
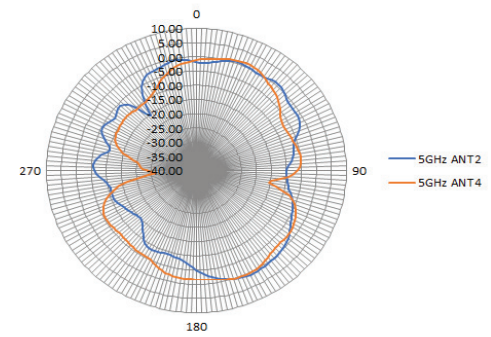
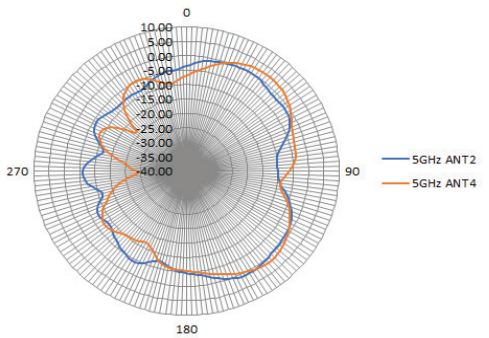
Maximum SSIDs	• Supports up to 16 SSIDs per device • Up to 8 SSIDs per wireless band		• Supports up to 24 SSIDs per device • Up to 8 SSIDs per wireless band	• Supports up to 16 SSIDs per device • Up to 8 SSIDs per wireless band
Physical				
Dimensions	• 224.5 x 223.85 x 50 mm (8.83 x 8.81 x 1.97 in)	• 224.5 x 223.85 x 54.75 mm (8.83 x 8.81 x 2.16 in)	• 224.5 x 223.85 x 50 mm (8.83 x 8.81 x 1.97 in)	• 224.5 x 223.85 x 50 mm (8.83 x 8.81 x 1.97 in)
Weight	• Without mount: 811 g (1.79 lbs)	• Without mount: 732 g (1.61 lbs)	• Without mount: 729 g (1.60 lbs)	• Without mount: 810 g (1.79 lbs)
Power Input	• IEEE 802.3at Power over Ethernet (PoE) on LAN 1 • Power adapter: 12 V DC, 2.5 A	• IEEE 802.3at Power over Ethernet (PoE) on LAN 1 • Power adapter: 12 V DC, 2 A	• IEEE 802.3at Power over Ethernet (PoE) on LAN 1 • Power adapter: 12 V DC, 2.5 A	• IEEE 802.3at Power over Ethernet (PoE) on LAN 1 • Power adapter: 12 V DC, 2.5 A
Power Consumption	• PoE: 19.68 W • Power adapter: 16.92 W	• PoE: 17.28 W • Power adapter: 16.32 W	• PoE: 20.16 W • Power adapter: 18.96 W	• PoE: 21.65 W • Power adapter: 19.2 W
Temperature	• Operating: 0 to 40 °C (32 to 104 °F) • Storage: -20 to 65 °C (-4 to 149 °F)			
Humidity	• Operating: 10% to 90% non-condensing • Storage: 5% to 95% non-condensing			
Mean Time Between Failure (MTBF)	• 548,000 hours	• 891,000 hours	• 485,000 hours	• 454,000 hours
Mounting Options	• Ceiling mount • Wall mount • Desktop (horizontal)			
Certifications	• CE Class B • FCC Class B • UL • IC Class B			

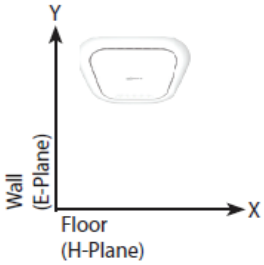
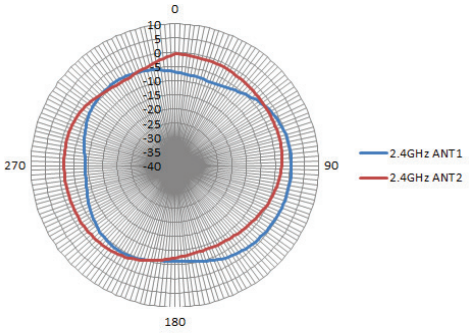
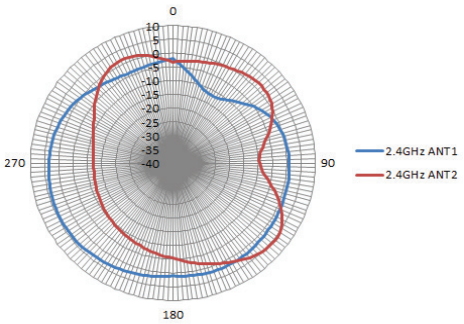
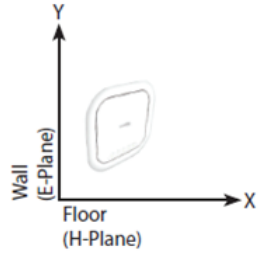
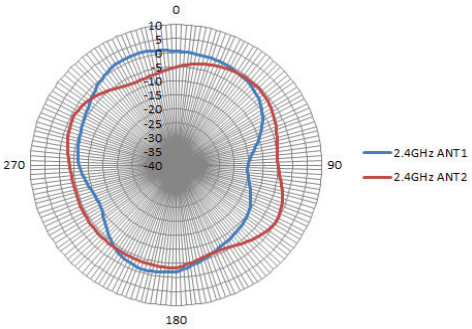
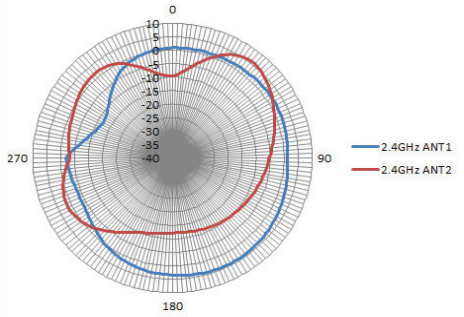
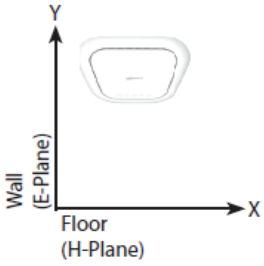
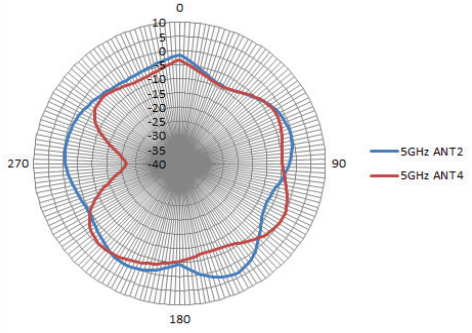
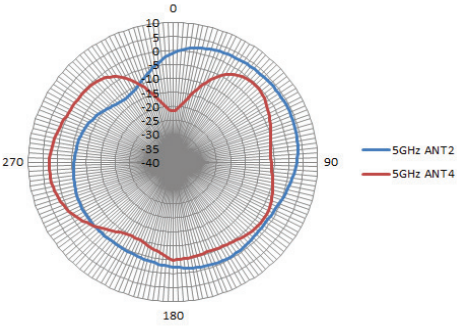
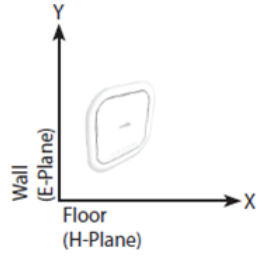
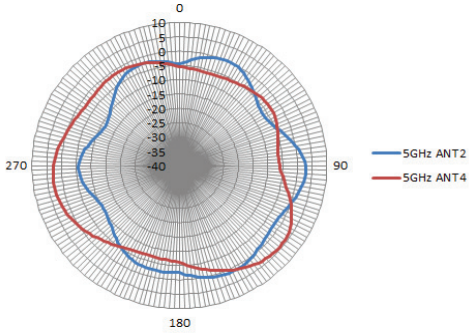
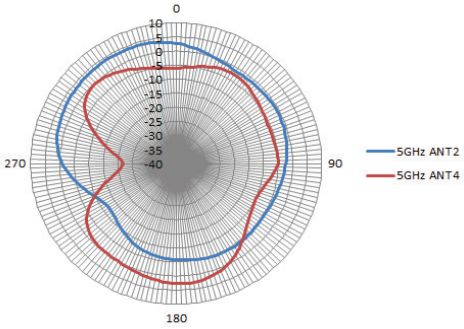
Antenna Pattern - DBA-2520P

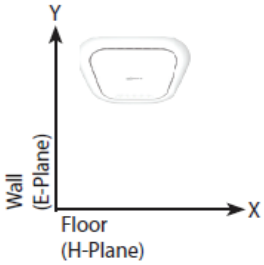
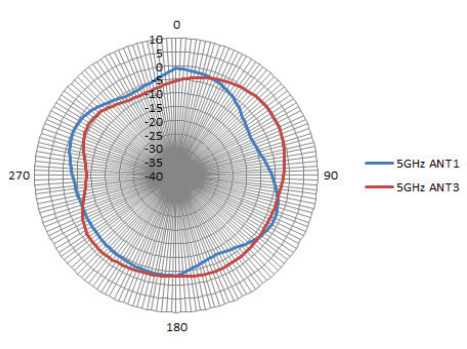
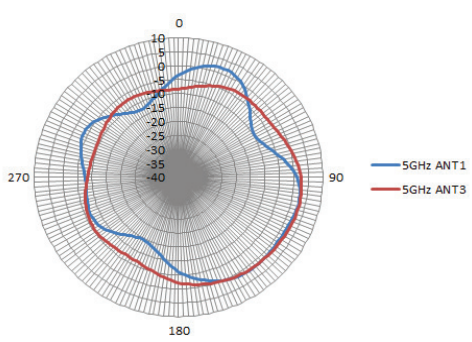
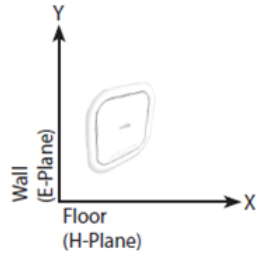
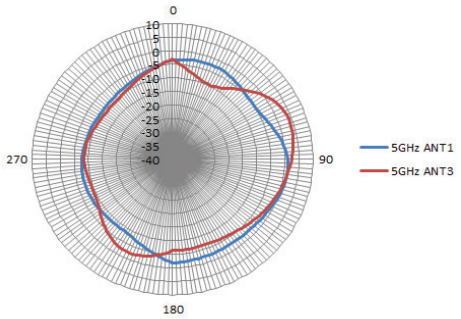
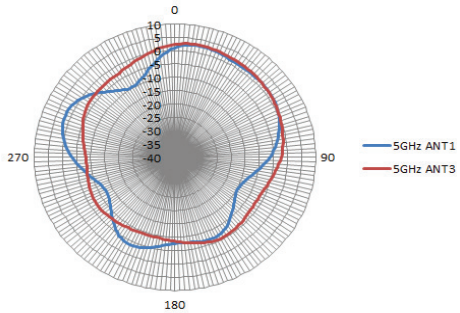
Orientation	*H-Plane*	*E-Plane*
2.4 GHz Antenna Ceiling Mounted 		
2.4 GHz Antenna Wall Mounted 		
5 GHz Antenna Ceiling Mounted 		
5 GHz Antenna Wall Mounted 		

Antenna Pattern - DBA-2620P

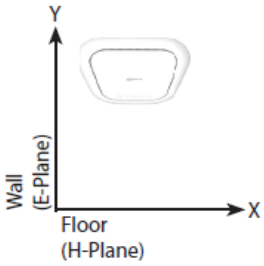
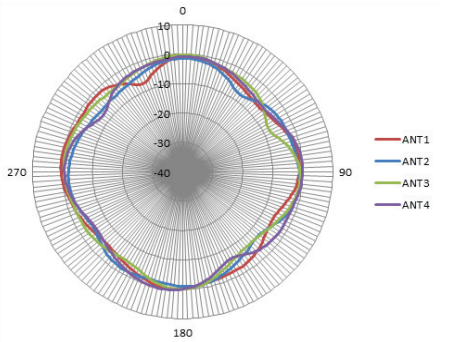
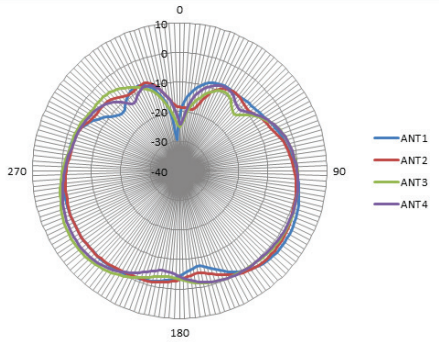
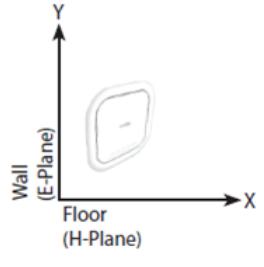
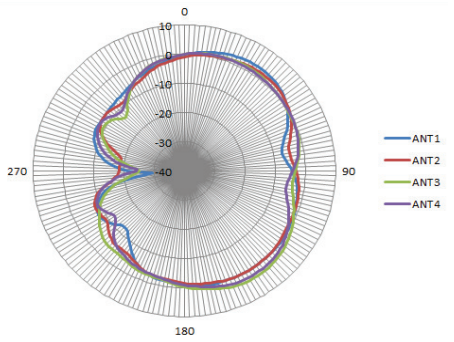
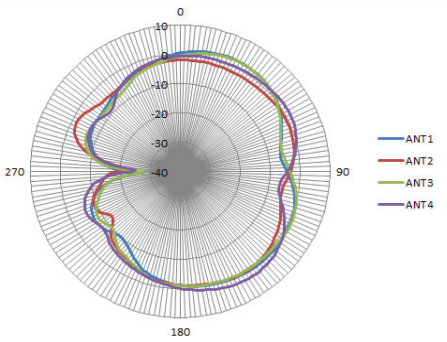
Orientation	*H-Plane*	*E-Plane*
2.4 GHz Antenna Ceiling Mounted 		
2.4 GHz Antenna Wall Mounted 		
5 GHz Antenna Ceiling Mounted 		
5 GHz Antenna Wall Mounted 		

Antenna Pattern - DBA-2720P[3]

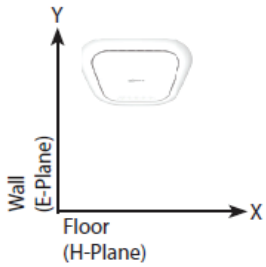
Orientation	*H-Plane*	*E-Plane*
2.4 GHz Antenna Ceiling Mounted 		
2.4 GHz Antenna Wall Mounted 		
5 GHz Antenna Ceiling Mounted (low band) 		
5 GHz Antenna Wall Mounted (low band) 		

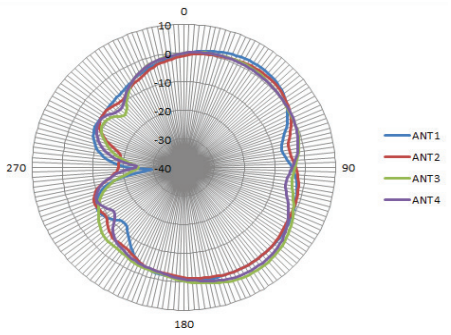
5 GHz Antenna Ceiling Mounted (high band) 		
5 GHz Antenna Wall Mounted (high band) 		

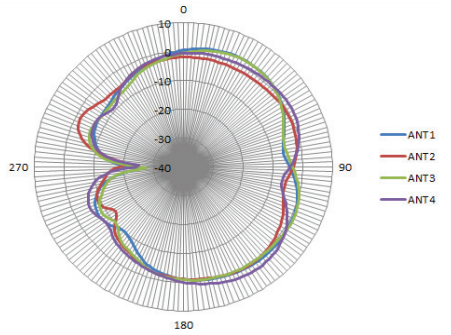
Antenna Pattern - DBA-2820P

Orientation	*H-Plane*	*E-Plane*
2.4 GHz Antenna Ceiling Mounted 		
2.4 GHz Antenna Wall Mounted 		

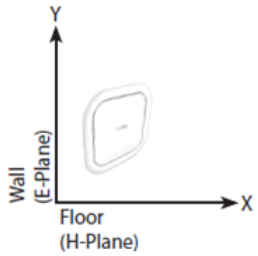
5 GHz Antenna Ceiling Mounted

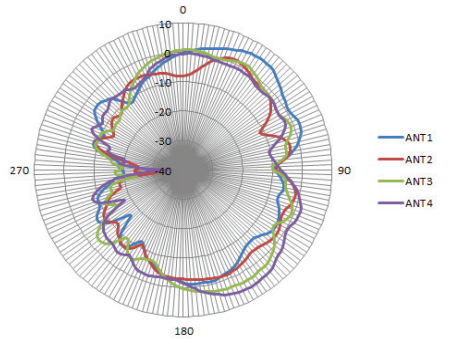


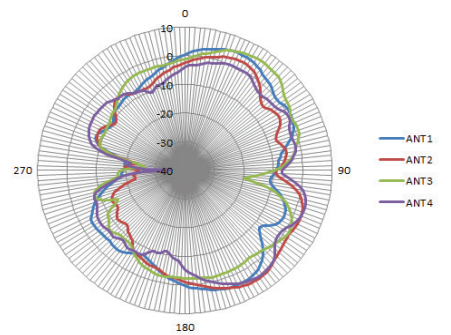




5 GHz Antenna Wall Mounted







Order Information

Part Number	*Description*
DBA-2520P	Nuclias Cloud-Managed AC1900 Wave 2 Access Point
DBA-2620P	Nuclias Cloud-Managed AC1300 Wave 2 Smart Antenna Access Point
DBA-2720P[3]	Nuclias Cloud-Managed AC2200 Wave 2 Tri-Band Access Point
DBA-2820P	Nuclias Cloud-Managed AC2600 Wave 2 Access Point

[1] Active D-Link Nuclias account and valid device license required.
[2] Maximum wireless signal rate derived from IEEE Standard 802.11g, and 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.
[3] Expected release date in Q1/2020

Updated 2019/10/25

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