



للطلب عن طريق الواتساب

(S) 0919491452

0128999291 - 0999928908

www.lifenetsd.com



PowerBeam® AC GEN2

5 GHz High Performance airMAX[®] ac Bridge Model: PBE-5AC-Gen2

U

annoin in

Highly Efficient Antenna Beam Performance

Up to 450+ Mbps Throughput

Dedicated Wi-Fi Radio for Management



Overview

Ubiquiti Networks launches the latest generation of airMAX[®] CPE (Customer Premises Equipment), the PowerBeam[®] 5AC Gen 2, with dedicated Wi-Fi management.

Improved Noise Immunity

The PowerBeam 5AC Gen 2 directs RF energy in a tighter beamwidth. With the focus in one direction, the PowerBeam 5AC Gen 2 blocks or spatially filters out noise, so noise immunity is improved. This feature is especially important in an area crowded with other RF signals of the same or similar frequency.

Integrated Design

Ubiquiti's InnerFeed® technology integrates the radio into the feedhorn of an antenna, so there is no need for a cable. This improves performance because it eliminates cable losses.

Featuring high performance and innovative design, the PowerBeam 5AC Gen 2 is versatile and cost -effective to deploy.

Software *ai*r**0S°8**

airOS[®] 8 is the revolutionary operating system for Ubiquiti[®] airMAX ac products.

Powerful Wireless Features

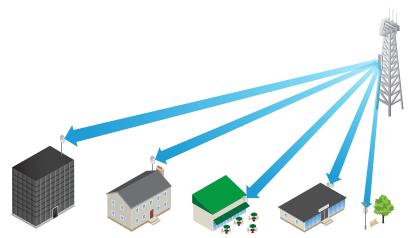
- Access Point PtMP airMAX Mixed Mode
- airMAX ac Protocol Support
- Long-Range Point-to-Point (PtP) Link Mode
- Selectable Channel Width
 - PtP: 10/20/30/40/50/60/80 MHz
 - PtMP: 10/20/30/40 MHz
- Automatic Channel Selection
- Transmit Power Control: Automatic/Manual
- Automatic Distance Selection (ACK Timing)
- Strongest WPA2 Security

Usability Enhancements

- airMagic[®] Channel Selection Tool
- Redesigned User Interface
- Dynamic Configuration Changes
- Instant Input Validation
- HTML5 Technology
- Optimization for Mobile Devices
- Detailed Device Statistics
- Comprehensive Array of Diagnostic Tools, including RF Diagnostics and airView[®] Spectrum Analyzer

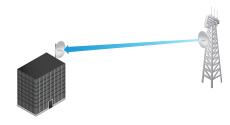
Application Examples

PtMP Client Links



The PowerBeam 5AC Gen 2 used as a CPE device for each client in an airMAX PtMP network.

PtP Link



Use a PowerBeam 5AC Gen 2 on each side of a PtP link.



DATASHEET

Advanced RF Analytics

airMAX ac devices feature a multi-radio architecture to power a revolutionary RF analytics engine.

An independent processor on the PCBA powers a second, dedicated radio, which persistently analyzes the full 5 GHz spectrum and every received symbol to provide you with the most advanced RF analytics in the industry.

Real-Time Reporting

airOS 8 displays the following RF information:

- Persistent RF Error Vector Magnitude (EVM) constellation diagrams
- Signal, Noise, and Interference (SNI) diagrams
- Carrier to Interference-plus-Noise Ratio (CINR) histograms

Spectral Analysis

airView allows you to identify noise signatures and plan your networks to minimize noise interference. airView performs the following functions:

- Constantly monitors environmental noise
- Collects energy data points in real-time spectral views
- Helps optimize channel selection, network design, and wireless performance

In airView, there are three spectral views, each of which represents different data: waveform, waterfall, and ambient noise level.

airView provides powerful spectrum analyzer functionality, eliminating the need to rent or purchase additional equipment for conducting site surveys.

UNMS App

The PowerBeam 5AC Gen 2 integrates a separate Wi-Fi radio for fast and easy setup using your mobile device.

Accessing airOS via Wi-Fi

The UNMS Th app provides instant accessibility to the airOS configuration interface and can be downloaded from the App Store (iOS) or Google PlayTh (Android). UNMS allows you to set up, configure, and manage the PowerBeam 5AC Gen 2 and offers various configuration options once you're connected or logged in.

Multi-Radio Architecture



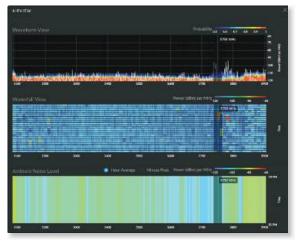
Constellation Diagrams

1.00.00	Phone line story AP and	-	dia.ord
CTUR .	21.00	0.88	29.58
pinte -	-19.200	ninisi	127 2000

SNI Diagram and CINR Histogram



Dedicated Spectral Analysis



UNMS Configuration Screen



Technology air**MAX**°ac

Unlike standard Wi-Fi protocol, Ubiquiti's Time Division Multiple Access (TDMA) airMAX protocol allows each client to send and receive data using pre-designated time slots scheduled by an intelligent AP controller.

This time slot method eliminates hidden node collisions and maximizes airtime efficiency, so airMAX technology provides performance improvements in latency, noise immunity, scalability, and throughput compared to other outdoor systems in its class.

Intelligent QoS Priority assigned to voice/video for seamless streaming.

Scalability High capacity and scalability.

Long Distance Capable of high-speed, carrier-class links.

Superior Performance

The next-generation airMAX ac technology boosts the advantages of our proprietary TDMA protocol.

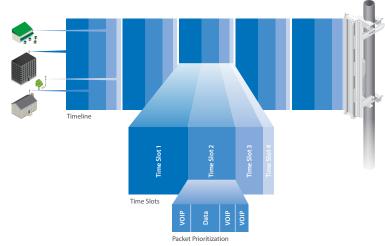
Ubiquiti's airMAX engine with custom IC dramatically improves TDMA latency and network scalability. The custom silicon provides hardware acceleration capabilities to the airMAX scheduler, to support the high data rates and dense modulation used in airMAX ac technology.

Throughput Breakthrough

airMAX ac supports high data rates, which require dense modulation: 256QAM – a significant increase from 64QAM, which is used in airMAX.

With their use of proprietary airMAX ac technology, airMAX ac products supports up to 450+ Mbps real TCP/IP throughput – up to triple the throughput of standard airMAX products.

airMAX ac TDMA Technology

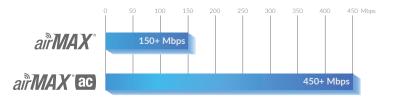


Up to 100 airMAX ac stations can be connected to an airMAX ac Sector; four airMAX ac stations are shown to illustrate the general concept.

airMAX Network Scalability



Superior Throughput Performance



PowerBeam[®] AG GENZ

Hardware Overview

Featuring improved surge protection, the PowerBeam 5AC Gen 2 is available in single- or five-packs.

Innovative Mechanical Design

- Built-in mechanical tilt Mounting bracket conveniently offers elevation adjustments: ± 20° tilt.
- Quick assembly Minimal fasteners simplify installation.
- Easy removal The antenna feed can be detached with the push of a button.

Industrial-Strength Construction

- Fasteners GEOMET-coated for improved corrosion resistance when compared with zinc-plated fasteners.
- Dish and brackets Made of galvanized steel that is powder-coated for superior corrosion resistance. The hardware also prevents paint from being removed from the metal brackets for improved corrosion resistance.
- Optional Support In high-wind environments, you can enhance support with additional hardware (not included).



PowerBeam[®] 400 mm Radome

Model	Frequency	PBE-5AC-Gen2	Dish Reflector
PBE-RAD-400	5 GHz	\checkmark	400 mm

A protective radome is available as an optional accessory for the PBE-5AC-Gen2.



Specifications

Power Method Passive PoE (Pairs 4, 5+; 7, 8 Return) Supported Voltage Range 20 to 26VDC Gain 25 dBI Networking Interface (1) 10/100/1000 Ethernet Port Processor Specs (1) 10/100/1000 Ethernet Port Memory (1) 10/100/1000 Ethernet Port LEDs MIPS 74Kc Memory 64 MB LEDs Power, Ethernet, (4) Signal Strength Channel Sizes PtP Mode PtMP Mode 10/20/30/40/50/60/80 MHz 10/20/30/40 MHz 64 MB Enclosure Characteristics Antenna Feed Dish Reflector Outdoor UV Stabilized Plastic Power, Ethernet, 40 Signal Strength 200 km/h (25 mph) Wind Loading 380 N @ 200 km/h (85 A lbf @ 125 mph) 380 N @ 200 km/h (85 A lbf @ 125 mph) Wind Loading 380 N @ 200 km/h (85 A lbf @ 125 mph) 200 km/h (125 mph) Vind Loading 380 N @ 200 km/h (85 A lbf @ 125 mph) 380 N @ 200 km/h (85 A lbf @ 125 mph) Vind Loading Sout Frotection Air: ± 24 kV, contact: ± 24 kV Operating Temperature -40 to 70 °C (40 to 158° F) Operating Temperature Operating Humi		PBE-5AC-Gen2				
Power Supply 24V. 0.5A Gigabit PoE Adapter (Included) Max. Power Consumption 8.5W Power Method Passive PoE (Pairs 4, 5+; 7, 8 Return) Supported Voltage Range 20 to 26VDC Gain 25 dB Networking Interface (1) 10/100/1000 Ethernet Port Processor Specs (1) 10/100/1000 Ethernet Port Memory 64 MB LEDs Power, Ethernet, (4) Signal Strength Channel Sizes PtP Mode PtVM Mode 10/20/30/40/50/60/80 MHz 10/20/30/40 MHz 01/20/30/40 MHz Enclosure Characteristics Antenna Feed Dish Reflector Mounting Qoutdoor UV Stabilized Plastic Power-Coated SPCC Mounting 200 km/h (125 mph) 200 km/h (125 mph) Wind Survivability 200 km/h (125 mph) 200 km/h (125 mph) Wind Survivability 440 to 70° C (-40 to 158° F) 90% Noncondensing Solt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5 Yibration Test Vibration Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-14 IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-14	Dimensions	420 x 420 x 230 mm (16.54 x 16.54 x 9.06")				
Max. Power Consumption 8.5W Power Method Passive PoE (Pairs 4, 5+; 7, 8 Return) Supported Voltage Range 20 to 26VDC Gain 25 dBi Networkling Interface (1) 10/100/1000 Ethernet Port Processor Specs (1) 10/100/1000 Ethernet Port Memory 64 MB LEDs Power, Ethernet, (4) Signal Strength Channel Sizes PtP Mode PtMM Mode 10/20/30/40/50/60/80 MHz 10/20/30/40 MHz 64 MB Enclosure Characteristics Antenna Feed Dish Reflector Outdoor UV Stabilized Plastic Powder-Coated SPCC Power/Nonvinte (165.4 lbf @ 125 mph) Wind Loading 380 N @ 200 km/h (85.4 lbf @ 125 mph) 200 km/h (125 mph) Wind Survivability 200 km/h (125 mph) 200 km/h (125 mph) Vind Survivability 380 N @ 200 km/h (125 mph) 44 U to 70° C (40 to 158° F) Operating Temperature -40 to 70° C (40 to 158° F) 64 S0 S Salt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5 Yibration Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-14	Weight	2.22 kg (4.89 lbs)				
Power Method Passive PoE (Pairs 4, 5+; 7, 8 Return) Supported Voltage Range 20 to 26VDC Gain 25 dBi Networking Interface (1) 10/100/1000 Ethernet Port Processor Specs MIP5 74Kc Memory 64 MB LEDs Power, Ethernet, (4) Signal Strength Channel Sizes PP Mode PtMP Mode 10/20/30/40/50/60/80 MHz 10/20/30/40 MHz 64 MB Enclosure Characteristics Antenna Feed Dish Reflector Outdoor UV Stabilized Plastic Power-Coated SPCC Power/Nethouth B(t) (Included) Wind Loading 380 N @ 200 km/h (85 A lbf @ 125 mph) 380 N @ 200 km/h (85 A lbf @ 125 mph) Wind Loading Jaso N @ 200 km/h (85 A lbf @ 125 mph) 380 N @ 200 km/h (85 A lbf @ 125 mph) Wind Survivability 200 km/h (125 mph) 200 km/h (125 mph) SD/EMP Protection Air: ± 24 kV, contact: ± 24 kV 40 to 70°C (-40 to 158° F) Operating Temperature -40 to 70°C (-40 to 158° F) 40 to 70°C (-40 to 158° F) Operating Humidity St os 5% Noncodnensing Yes Salt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: MIL-S	Power Supply	24V, 0.5A Gigabit PoE Adapter (Included)				
Supported Voltage Range 20 to 26VDC Gain 20 to 26VDC Networking Interface (1) 10/100/1000 Ethernet Port Processor Specs (1) 10/100/1000 Ethernet Port Memory (1) 10/100/1000 Ethernet Port Memory 64 MB LEDs Power, Ethernet, (4) Signal Strength Channel Sizes PtP Mode PtMP Mode 10/20/30/40/50/60/80 MHz 10/20/30/40 MHz 64 MB Enclosure Characteristics Antenna Feed Dish Reflector Outdoor UV Stabilized Plastic Powder-Coated SPCC Powder-Coated SPCC Mounting Outdoor UV Stabilized Plastic Pole-Mounting Kit (Included) Wind Loading 380 N @ 200 km/h (85.4 lbf @ 125 mph) 380 N @ 200 km/h (85.4 lbf @ 125 mph) Wind Survivability Joperating Temperature Air ± 24 kV, Contact: ± 24 kV Operating Temperature	Max. Power Consumption	8.5W				
Gain 25 dBi Networking Interface (1) 10/1000 Ethernet Port Processor Specs (1) 10/1000 Ethernet Port Memory (1) 10/1000 Ethernet Port Memory (1) 10/20/30/40/50/60/80 MHz LEDs Power, Ethernet, (4) Signal Strength Channel Sizes Pth Mode 10/20/30/40/50/60/80 MHz 10/20/30/40 MHz Enclosure Characteristics Antenna Feed Outdoor UV Stabilized Plastic Power-Coated SPCC Mounting Outdoor UV Stabilized Plastic Vind Loading 380 N @ 200 km/h (85.4 lbf @ 125 mph) Wind Loading 380 N @ 200 km/h (85.4 lbf @ 125 mph) Wind Survivability 200 km/h (125 mph) ESD/EMP Protection Air: ± 24 kV, contact: ± 24 kV Operating Temperature -40 to 70° C (-40 to 158° F) Operating Temperature Yes Salt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5 Vibration Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1 4 UV Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1 4	Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)				
Networking Interface (1) 10/100/1000 Ethernet Port Processor Specs (1) 10/100/1000 Ethernet Port Memory (64 MB LEDs Power, Ethernet, (4) Signal Strength Channel Sizes PtP Mode PtWP Mode 10/20/30/40/50/60/80 MHz 10/20/30/40 MHz 10/20/30/40 MHz Enclosure Characteristics Antenna Feed Dish Reflector Outdoor UV Stabilized Plastic Power, Coated SPCC Pole-Mounting Kit (Included) Wind Loading	Supported Voltage Range	20 to 26VDC				
Processor MemoryMIPS 74kcMemory64 MBLEDsPower, Ethernet, (4) Signal StrengthChannel SizesPtP Mode10/20/30/40/50/60/80 MHz10/20/30/40 MHzEnclosure CharacteristicsAntenna FeedOutdoor UV Stabilized PlasticPowder-Coated SPCCMountingOutdoor UV Stabilized PlasticVind LoadingOutdoor UV Stabilized PlasticVind LoadingOutdoor UV Stabilized PlasticStop Sprive380 N @ 200 km/h (85.4 lbf @ 125 mph)Vind Survivability200 km/h (125 mph)ESD/EMP ProtectionAir: ± 24 kV, Contact: ± 24 kVOperating Temperature	Gain		25 dBi			
Memory 64 MB LEDs Power, Ethernet, (4) Signal Strength Channel Sizes PtP Mode PtMP Mode Channel Sizes PtP Mode PtMP Mode Enclosure Characteristics Antenna Feed Dish Reflector Outdoor UV Stabilized Plastic Powder-Coated SPCC Mounting Wind Loading Outdoor UV Stabilized Plastic Pole-Mounting Kit (Included) Wind Survivability 200 km/h (85.4 lbf @ 125 mph) 380 N @ 200 km/h (85.4 lbf @ 125 mph) Stop Spreating Temperature 200 km/h (85.4 lbf @ 125 mph) 200 km/h (125 mph) Vind Survivability 200 km/h (85.4 lbf @ 125 mph) 200 km/h (125 mph) Stop Spreating Temperature 200 km/h (125 mph) 200 km/h (125 mph) ESD/EMP Protection Air: ± 24 kV, Contact: ± 24 kV 0perating Temperature -40 to 70° C (-40 to 158° F) Operating Humidity S to 95% Noncondensing S to 95% Noncondensing RoHS Compliance Yes Yes S alt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: ML-STD-810 G Method 509.5 Vibration Test IEC 68-2-14 dto °C (104° F), Equivalent: ETS 300 019-1-4 IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 0	Networking Interface		(1) 10/100/1000 Ethernet Port			
LEDs Power, Ethernet, (4) Signal Strength Channel Sizes PtP Mode PtMP Mode 10/20/30/40/50/60/80 MHz 10/20/30/40 MHz 10/20/30/40 MHz Enclosure Characteristics Antenna Feed Dish Reflector Outdoor UV Stabilized Plastic Power-Coated SPCC Mounting Pole-Mounting Kit (Included) Wind Loading 380 N @ 200 km/h (85.4 lbf @ 125 mph) Wind Survivability 200 km/h (85.4 lbf @ 125 mph) ESD/EMP Protection Arr: ± 24 kV, Contact: ± 24 kV Operating Temperature -40 to 70° C (-40 to 158° F) Operating Temperature 5 to 95% Noncondensing RoHS Compliance Yes Salt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5 Vibration Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4 UV Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	Processor Specs		MIPS 74Kc			
Channel Sizes PtP Mode PtMP Mode In/20/30/40/50/60/80 MHz 10/20/30/40 MHz 10/20/30/40 MHz Enclosure Characteristics Antenna Feed Dish Reflector Outdoor UV Stabilized Plastic Powder-Coated SPCC Mounting Outdoor UV Stabilized Plastic Pole-Mounting Kit (Included) Wind Loading S80 N@ 200 km/h (85.4 lbf@ 125 mph) 200 km/h (125 mph) Wind Survivability 200 km/h (125 mph) 200 km/h (125 mph) ESD/EMP Protection	Memory		64 MB			
Initial and the second secon	LEDs		Power, Ethernet, (4) Signal Strength			
Enclosure Characteristics Antenna Feed Dish Reflector Outdoor UV Stabilized Plastic Powder-Coated SPCC Mounting Pole-Mounting Kit (Included) Wind Loading 380 N @ 200 km/h (85.4 lbf @ 125 mph) Wind Survivability 200 km/h (125 mph) ESD/EMP Protection	Channel Sizes	PtP Mode	PtMP Mode			
Internet construction Durt does to the formation of		10/20/30/40/50/60/80 MHz	10/20/30/40 MHz			
MountingPole-Mounting Kit (Included)Wind Loading380 N @ 200 km/h (85.4 lbf @ 125 mph)Wind Survivability200 km/h (125 mph)ESD/EMP Protection200 km/h (125 mph)ESD/EMP ProtectionAir: ± 24 kV, Contact: ± 24 kVOperating Temperature-40 to 70° C (-40 to 158° F)Operating Humidity5 to 95% NoncondensingRoHS ComplianceYesSalt Fog TestIEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5Vibration TestIEC 68-2-6Temperature Shock TestIEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	Enclosure Characteristics	Antenna Feed	Dish Reflector			
Wind Loading380 N @ 200 km/h (85.4 lbf @ 125 mph)Wind Survivability200 km/h (125 mph)ESD/EMP ProtectionAir: ± 24 kV, Contact: ± 24 kVOperating Temperature-40 to 70° C (-40 to 158° F)Operating Humidity5 to 95% NoncondensingRoHS ComplianceYesSalt Fog TestIEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5Vibration TestIEC 68-2-6Temperature Shock TestIEC 68-2-14UV TestIEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4		Outdoor UV Stabilized Plastic	Powder-Coated SPCC			
Wind Survivability 200 km/h (125 mph) ESD/EMP Protection Air: ± 24 kV, Contact: ± 24 kV Operating Temperature -40 to 70° C (-40 to 158° F) Operating Humidity 5 to 95% Noncondensing RoHS Compliance Yes Salt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5 Vibration Test IEC 68-2-14 UV Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	Mounting		Pole-Mounting Kit (Included)			
ESD/EMP ProtectionAir: ± 24 kV, Contact: ± 24 kVOperating Temperature-40 to 70° C (-40 to 158° F)Operating Humidity5 to 95% NoncondensingRoHS ComplianceYesSalt Fog TestIEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5Vibration TestIEC 68-2-6Temperature Shock TestIEC 68-2-14UV TestIEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	Wind Loading		380 N @ 200 km/h (85.4 lbf @ 125 mph)			
Operating Temperature-40 to 70° C (-40 to 158° F)Operating Humidity5 to 95% NoncondensingRoHS ComplianceYesSalt Fog TestIEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5Vibration TestIEC 68-2-6Temperature Shock TestIEC 68-2-14UV TestIEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	Wind Survivability		200 km/h (125 mph)			
Operating Humidity 5 to 95% Noncondensing RoHS Compliance Yes Salt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5 Vibration Test IEC 68-2-6 Temperature Shock Test IEC 68-2-14 UV Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	ESD/EMP Protection		Air: ± 24 kV, Contact: ± 24 kV			
RoHS Compliance Yes Salt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5 Vibration Test IEC 68-2-6 Temperature Shock Test IEC 68-2-14 UV Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	Operating Temperature		-40 to 70° C (-40 to 158° F)			
Salt Fog Test IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5 Vibration Test IEC 68-2-6 Temperature Shock Test IEC 68-2-14 UV Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	Operating Humidity		5 to 95% Noncondensing			
Vibration Test IEC 68-2-6 Temperature Shock Test IEC 68-2-14 UV Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	RoHS Compliance		Yes			
Temperature Shock Test IEC 68-2-14 UV Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	Salt Fog Test	IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5				
UV Test IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	Vibration Test	IEC 68-2-6				
	Temperature Shock Test	IEC 68-2-14				
Wind-Driven Pain Test	UV Test	IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4				
	Wind-Driven Rain Test	ETS 300 019-1-4, Equivalent: MIL-STD-810 G Method 506.5				
Certifications CE, FCC, IC	Certifications	CE, FCC, IC				

Operating Frequency (MHz)					
Worldwide				5150 - 5875	
USA	U-NII-1: 5150 - 5250	U-NII-2A: 5250 - 5350 MHz	U-NII-2C: 5470 - 5725 MHz	U-NII-3: 5725 - 5850	

	Management Radio (MHz)
Worldwide	2412 - 2472
USA	2412 - 2462

PBE-5AC-Gen2 Output Power: 24 dBm								
	TX Power Specifications				RX Power Specifications			
Modulation	Data Rate	Avg. TX	Tolerance	Modulation	Data Rate	Sensitivity	Tolerance	
	1x BPSK (1/2)	24 dBm	$\pm 2 \text{ dB}$		1x BPSK (1/2)	-96 dBm Min.	± 2 dB	
	2x QPSK (1/2)	24 dBm	± 2 dB		2x QPSK (1/2)	-95 dBm	± 2 dB	
	2x QPSK (¾)	24 dBm	± 2 dB	U	2x QPSK (¾)	-92 dBm	± 2 dB	
U	4x 16QAM (1/2)	24 dBm	± 2 dB		4x 16QAM (1/2)	-90 dBm	± 2 dB	
X ac	4x 16QAM (¾)	24 dBm	± 2 dB	X ac	4x 16QAM (¾)	-86 dBm	± 2 dB	
airMAX	6x 64QAM (3)	23 dBm	± 2 dB	airMAX	6x 64QAM (3)	-83 dBm	± 2 dB	
ai	6x 64QAM (¾)	23 dBm	± 2 dB	ai.	6x 64QAM (¾)	-77 dBm	$\pm 2 \text{ dB}$	
	6x 64QAM (5%)	22 dBm	± 2 dB		6x 64QAM (%)	-74 dBm	± 2 dB	
	8x 256QAM (¾)	20 dBm	± 2 dB		8x 256QAM (¾)	-69 dBm	± 2 dB	
	8x 256QAM (%)	20 dBm	± 2 dB		8x 256QAM (%)	-65 dBm	± 2 dB	



30

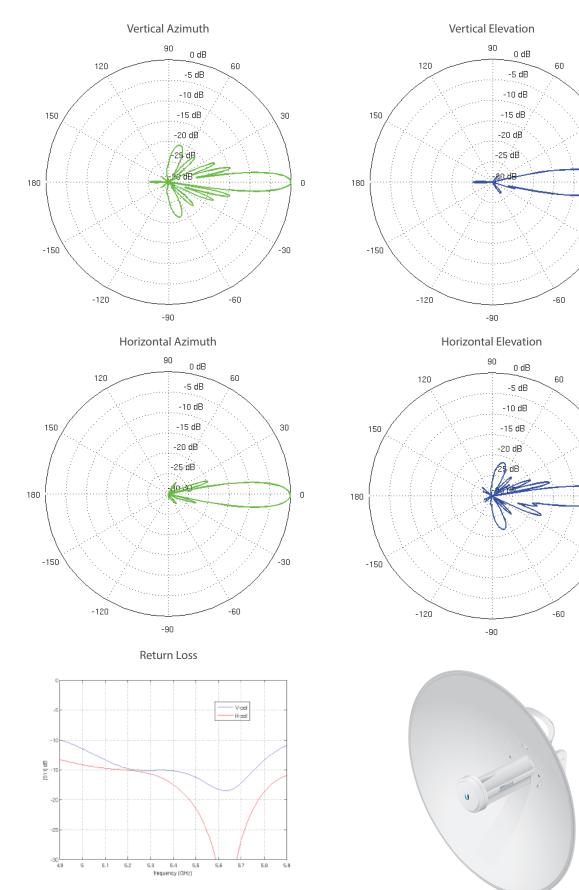
-30

30

-30

0

0



x, airOS, www.ubnt.com

Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: www.ubnt.com/support/warranty ©2018 Ubiquiti Networks, Inc. All rights reserved. Ubiquiti, Ubiquiti Networks, the Ubiquiti U logo, the Ubiquiti beam logo, airMagic, airMAX, airOS, airView, InnerFeed, PowerBeam, and UNMS are trademarks or registered trademarks of Ubiquiti Networks, Inc. in the United States and in other countries. All other trademarks are the property of their respective owners.