# AP410C Hardware User Guide

Read about and view specifications and compliance information for the AP410C in this topic. Install the AP410C using this topic.

The AP410C is a high-performance 802.11ax dual-5G. dual band access point designed for indoor high-density environments. This device supports IEEE 802.11ax Orthogonal Frequency-Division Multiple Access (OFDMA) multi-user access.

For regulatory and compliance information, see "Regulatory Compliance Statements".

Important! Change the Country Code

If your access point is configured for the World Regulatory Domain, it is important to set the country code to the country in which the AP will be deployed to meet regulatory requirements and for optimal wireless operation. To do this, follow these steps:

> *The country code selection is for World models only and is not available to FCC, CAN, and other country-specific models. Per FCC regulations, all Wi-Fi products marketed in the United States must be set to U.S. channels only.*

1. Power on the AP and allow it to find and connect to ExtremeCloud IQ. Once the AP is connected it appears in the table of devices on the *Manage > Devices* page.
2. Select the check box next to the AP, and then choose **Assign Country Code** from the *Actions* drop-down list. In the dialog box, select the appropriate country from the drop-down list, and then click **Save**.
3. Upload your changes to the device.

Safety Guidelines

Safety Guidelines

The safety information in this section applies to AP410C devices.
The following safety icons are used in these guidelines to identify the type of precaution:

⚠	This icon indicates a general caution. Failure to comply with a caution notification can result in damage to equipment.
⚡	This icon indicates an electrical caution. Failure to comply with an electrical notification can result in serious injury or death, and extensive damage to equipment.
☀	This icon indicates a laser caution. Failure to comply with a laser caution can result in serious injury.
The following table lists the safety precautions you should follow when installing your AP410C devices.	
⚡	Extreme Networks devices must be installed by a professional installer who is certified to install these types of devices and to ensure that they are properly grounded and meet applicable local and national electrical codes.
⚠	These devices are intended for indoor use only.
⚠	Do not install the device in an environment where the operating ambient temperature might exceed the recommended ranges.
⚠	**Warning**: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
⚠	For products available in the USA/Canada market, for the 2.4 GHz band, only channels 1-11 can be operated. Selection of other channels is not possible.
⚠	Changes or modifications made to this device that are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
⚠	Use only attachments and accessories specified by Extreme Networks.
⚠	These devices are not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or with lack of experience of knowledge unless they are given supervision or instruction concerning use of the devices by a person who is responsible for their safety. Children should be supervised to ensure that they do not play with the devices.
⚡	Electrostatic discharge (ESD) can damage equipment and impair electrical circuitry. ESD damage occurs when electronic components are improperly handled and can result in complete or intermittent failures. Be sure to follow ESD-prevention procedures when handling electronic components and equipment.
⚡	During operation, the surfaces of the AP410C can become hot. Use caution when handling.
☀	To meet federal radiation exposure requirements, these devices should be installed at a minimum distance of 8" (20 cm) from people or animals.

Install the AP

You can mount the AP410C on a flat surface or wall, or on the rails of a standard dropped ceiling grid. There is also an accessory mounting bracket that allows you to install the device in Armstrong-style dropped ceilings (ordered separately).

The following sections describe how to install your AP410C devices.

Shipping Carton Contents
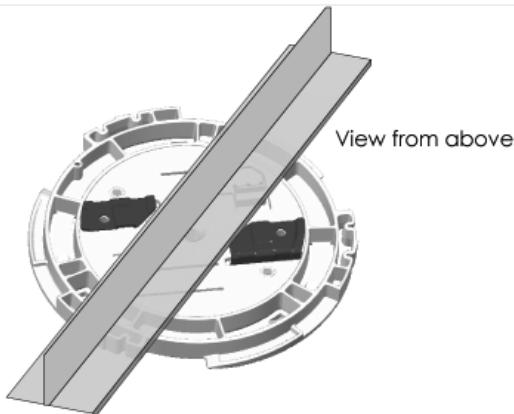
The AP410C shipping carton contains the following items:

- AP410C chassis
- Mounting bracket
- Read Me card
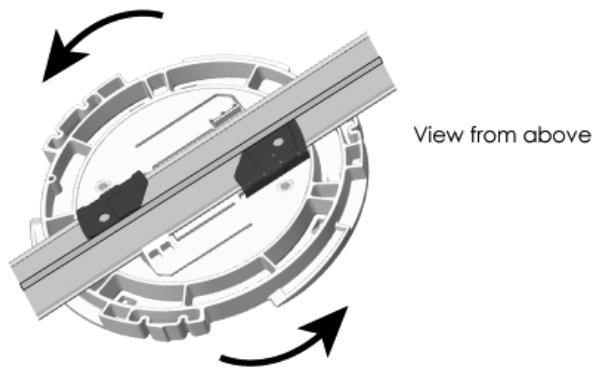
Install the AP on a Ceiling Track

The AP410C ships with a mounting bracket that lets you easily install it on the rail of a standard dropped ceiling grid. The following illustration shows how to attach the bracket to the ceiling rail, and then install the AP on the bracket.

1 Align bracket to ceiling rail so that the mounting flanges are parallel to the sides of the rail.

View from above
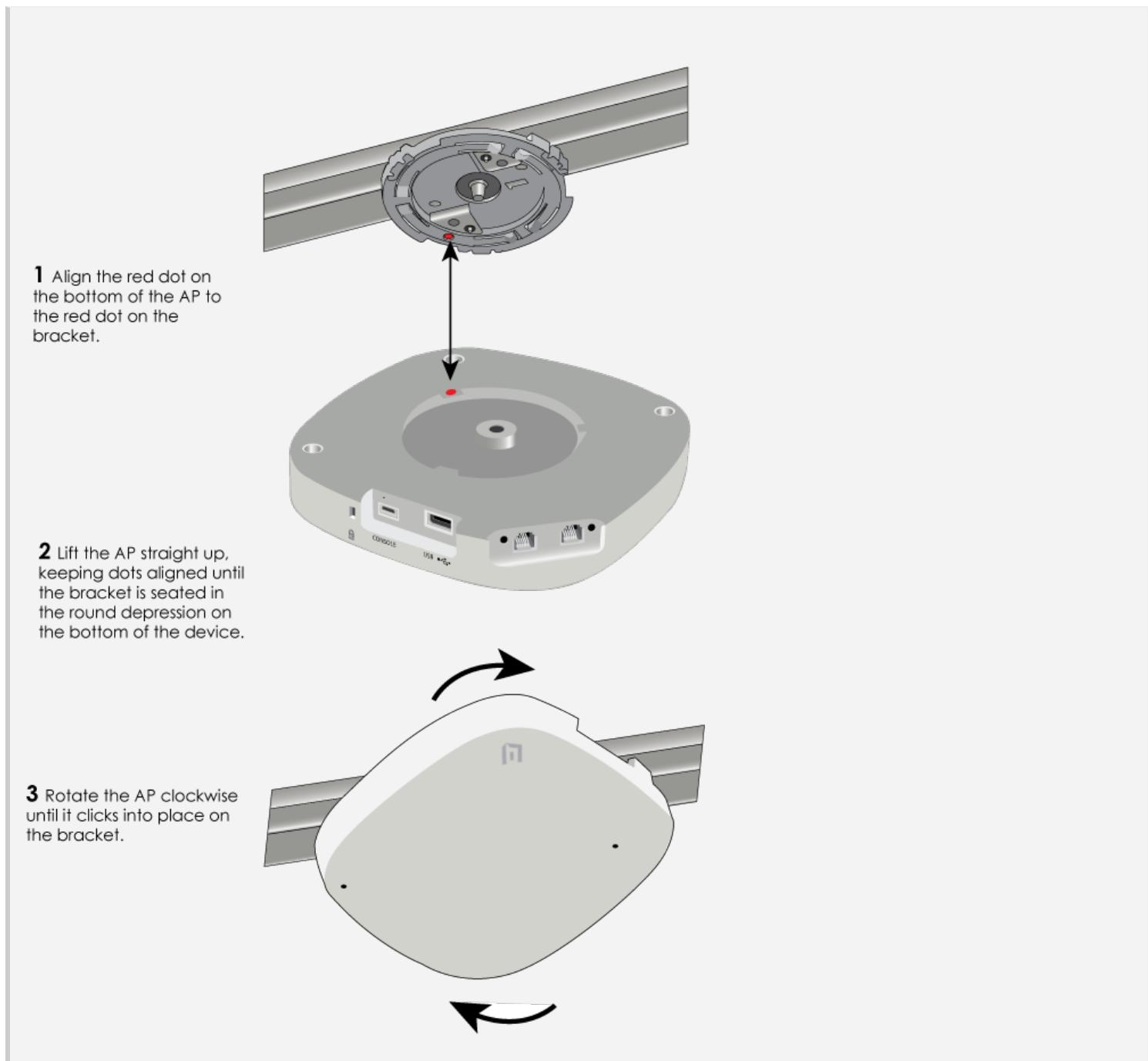
2 Rotate the bracket so that the flanges hook over the edges of the rail.

View from above

View from below

Once the bracket is secure, install the AP using the following steps:

1. Align the red dot on the bottom of the AP with the red dot on the bracket.

2. Lift the AP straight up and keep the red dots aligned until the bracket is seated in the round depression on the bottom of the device.

3. Rotate the AP clockwise until it clicks into place on the bracket.

1 Align the red dot on the bottom of the AP to the red dot on the bracket.

2 Lift the AP straight up, keeping dots aligned until the bracket is seated in the round depression on the bottom of the device.

3 Rotate the AP clockwise until it clicks into place on the bracket.

Mounting brackets are available for these devices that will allow you to install them on non-standard ceiling tracks. The following accessory brackets are available:

- AH-ACC-BKT-AX-IL: Mounting bracket for Interlude ceilings.
- AH-ACC-BKT-AX-SL: Mounting bracket for Silhouette 1/8" and Silhouette 1/4" ceilings.
- AH-ACC-BKT-AX-TB: Mounting bracket for Prelude 15/16" and Suprafine 9/16" ceilings.
- AH-ACC-BKT-AX-WL: Mounting bracket for direct-to-wall installations.

Mount the AP on a Wall
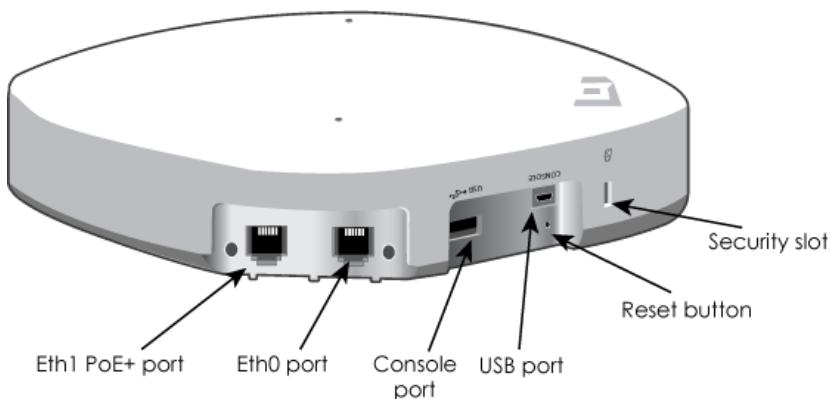
Use the holes in the bracket as a template to mark the wall. Drill holes in the wall and attach the bracket to the wall using wall screws and wall anchors if necessary. Attach the AP to the bracket in the same manner as shown in the previous section.

Lock the AP

You can secure the AP using a Kensington® lock in the lock slot on the device, or you can use a security bracket and a crosshead screw or a security screw. Security brackets and screws can be ordered separately from Extreme Networks (not available in Brazil).

Extreme Networks recommends a variety of Kensington locks. For more information, contact your sales representative.

Hardware Components

You can see the hardware components of the AP410C in the illustration below and read about them in the sections that follow.

Component Descriptions

Status Light

The status light conveys operational states for system power, firmware updates, Ethernet and wireless interface activity, and major alarms. The AP410C has two status lights on the top of the chassis. At setup, this light cycles through the following sequence:

- **Solid White**: The power is on and the device is operational.**.**
- **Solid Amber**: The device is on and is booting..
- **Blinking Amber**: The device is performing a firmware upgrade.
- **Dark**: The power is off.

Light Sensor LED

The AP410C also has a light sensor on the top of the device.

Ethernet Ports

Two RJ45 Ethernet ports (Eth0 and Eth1) automatically negotiate half- and full-duplex connections with the connecting device. Eth0 is 100/1000/2500 BASE-T, and Eth1 is 10/100/1000 BASE-T. These ports are autosensing and adjust to straight-through and crossover standard Cat5 or better Ethernet cables automatically. The AP receives power through an Ethernet connection to the ETH1 port from PSE (power sourcing equipment) that is compatible with the 802.3at and 802.3at standards.

Micro USB Console Port

Use the Console port to make a serial connection between your management system and the AP. When you connect to the device using the Console port, the management station from which you connect to the device must have a VT100 emulation program, such as Tera Term Pro© (a free terminal emulator) or Hilgraeve HyperTerminal® (provided with Windows® operating systems from XP forward).

The serial connection settings are: 9600 bits per second, 8 data bits, no parity, 1 stop bit, no flow control.

Reset Button

Use the Reset button to reset the device or restore the factory default settings. Insert a paper clip or similar tool into the Reset pinhole and press

the button. To reboot the device, press the button for 5 seconds. To return the configuration to the factory default settings, press it for at least 10 seconds. After releasing the button, the indicator light goes dark, and then glows steady amber while the firmware loads and the system performs a self-test. After the software finishes loading and the AP has connected to ExtremeCloud IQ, the status indicator glows steady white. To prevent the reset button from resetting the configuration, enter this command:

```
no reset-button reset-config-enable
```

When this command is enabled, pressing the button for 5 seconds will still reboot the AP, but pressing it for more than 10 seconds will not reset its configuration.

Security Slot

The AP410C has a security slot for locking the device.
Extreme Networks recommends a variety of Kensington® locks. For more information, contact your sales representative.

Hardware Specifications

The following sections list radio, device, power, and environmental specifications for the AP410C.

Radio Specifications

- **Radio 1:** 5 GHx 2x2 band 1 and 2 + 2.4 GHz 2x2
- **Radio 2:** 2.4 Hz 1x1 + 5 GHz 1x1 (scanner)
- **Radio 3:** 5 GHz 4x4 full band or 5 GHz band 3 and 4

Operating Frequency:

- 2402 - 2483.5 MHz for the 2.4 GHz radio
- 5150-5850 MHz for the 5 GHz radio

Wi-Fi Channel Support

- WiFi 2.4G RX requirement: -96dBm@1Mbps
- WiFi 5G RX requirement: -93dBm@6M

Bluetooth BLE Beacon (BLE 5.0)

- 2402 - 2480 MHz
- Frequency Hopping Spread-spectrum (FHSS) **802.11a**
- 5150-5250, 5725-5850 MHz operating frequency
- Orthogonal Frequency Division Multiplexing (OFDM) modulation
- Rates (Mbps): 54, 48, 36, 24, 12, 9, 6 with auto fallback

802.11b

- 2.4-2.48 GHz operating frequency
- Direct-Sequence Spread-Spectrum (DSSS) modulation
- Rates (Mbps): 11, 5.5, 2.1 with auto fallback

802.11g

- 2.4-2.48 GHz operating frequency
- Orthogonal Frequency Division Multiplexing (OFDM) modulation
- Rates (Mbps): 54, 48, 36, 24, 12, 9, 6 with auto fallback

802.11n

- 5 GHz 5150-5250, 5725-5850 MHz operating frequency
- 802.11n modulation
- Rates: MCS0 - MCS7
- 2x2 MIMO radio
- HT20/HT40 support (HT40 is for 5 GHz only)
- A-MPDU and A-MSDU frame aggregation

802.11ac

- 802.11ac modulation (256-QAM)
- 2.4 - 2.48 GHz MCS0-9, NSS=1-2
- 5150-5250, 5725-5850 MHz operating frequency
- Rates: MCS0 - MCS9, NSS = 1-2
- 2x2 MIMO radio
- VHT20/VHT40/VHT80 support (VT40 and VT80 for 5 GHz only)

802.11ax

- 5150-5250, 5725-5850 MHz operating frequency
- 2.4 - 2.48 GHz operation frequency
- 802.11ax modulation (1024-QAM)
- Rates: MCS0 - MCS11, NSS = 1-2
- OFDMA support
- 2x2 MU-MIMO
- HE20/HE40/HE80 support (HE40 and HE80 for 5GHz only)

Transmit Power and Sensitivity Specifications

Output power may be limited by regulatory requirements.

Power: 2.4 GHz:
    Tolerance +2/-2 dB @25°C

Channel	Data Rate	Power (dBm)
11b	1,2,5.5,11	18
11g	54 Mbps	15
	48 Mbps	16
	36 Mbps	17
	6 Mbps	18
HE20	MCS 0,1,2	18
	MCS 3	17
	MCS 4, 5	16
	MCS 6,7	15
	MCS 8,9	14
	MCS 10,11	12
2.4 G Sensitivity		
11b	1 Mbps	-99
	11 Mbps	-90
11g	6 Mpbs	-96
	36 Mpbs	-84
	48 Mbps	-80
	54 Mbps	-78
HE20	MCS 0	-95
	MCS 1	-91
	MCS 2	-89
	MCS 3	-86
	MCS 4	-83
	MCS 5	-79
	MCS 6	-77
	MCS 7	-76
	MCS 8	-72
	MCS 9	-70
	MCS 10	-67
	MCS 11	-64

AP410C Power: 5 GHz:

Mode	Data Rate	Power (dBm)
11a	54 Mbps	17
	48 Mbps	17
	36 Mbps	18
	6 Mbps	19
HE20	MCS 0, 1, 2	19
	MCS 3, 4	17
	MCS 5, 6	16
	MCS 7, 8	15
	MCS 9	14
	MCS 10	13
	MCS 11	12
HE40	MCS 0, 1, 2	17
	MCS 3, 4, 5	16
	MCS 7, 15, 23	14
	MCS 6, 7, 8	15
	MCS 10	13
	MCS 11	12
HE80	MCS 0,1,2	17
	MCS 3,4,5	16
	MCS 6,7,8	15
	MCS 9	14
	MCS 10	13
	MCS 11	12
Sensitivity		
11a	6 Mbps	-94
	36 Mbps	-83
	48 Mbps	-79
	54 Mbps	-77
11n HE20	MCS 0	-94
	MCS 1	-91
	MCS 2	-88
	MCS 3	-86
	MCS 4	-82
	MCS 5	-78
	MCS 6	-77
	MCS 7	-75
	MCS 8	-71
	MCS 9	-69

Mode	Data Rate	Power (dBm)
	MCS 10	-66
	MCS 11	-63
11n HE40	MCS 0	-92
	MCS 1	-88
	MCS 2	-86
	MCS 3	-83
	MCS 4	-80
	MCS 5	-76
	MCS 6	-74
	MCS 7	-73
	MCS 8	-69
	MCS 9	-67
	MCS 10	-63
	MCS 11	-60
HE80	MCS 0	-88
	MCS 1	-85
	MCS 2	-83
	MCS 3	-80
	MCS 4	-77
	MCS 5	-73
	MCS 6	-71
	MCS 7	-69
	MCS 8	-66
	MCS 9	-64
	MCS 10	-60
	MCS 11	-57

Tolerance +2/-2 dB @25° C

Mode	Data Rate	Power (dBm)
11a	6 Mbps	19
	36 Mbps	18
	48 Mbps	16
	54 Mbps	15
11n HE20	MCS 0,1, 2, 3, 4, 8, 9, 10, 11	19
	MCS 13, 21	18
	MCS 14, 22	16
	MCS 15, 23	15
	MCS 12, 16, 17, 18, 19, 20	19
11n HT40	MCS 0,1,2, 3, 4, 8	19
	MCS 5, 13, 21	18
	MCS 7, 15, 23	14
	MCS 9, 10, 11, 12, 16	19
	MCS 10	13
	MCS 17, 18, 19, 20	19
HE80	MCS 0,1,2	17
	MCS 3,4,5	16
	MCS 6,7,8	15
	MCS 9	14
	MCS 10	13
	MCS 11	12
Sensitivity		
11a	6 Mbps	-94
	36 Mbps	-83
	48 Mbps	-79
	54 Mbps	-77
11n HE20	MCS 0	-94
	MCS 1	-91
	MCS 2	-88
	MCS 3	-86
	MCS 4	-82
	MCS 5	-78
	MCS 6	-77
	MCS 7	-75
	MCS 8	-71
	MCS 9	-69
	MCS 10	-66
	MCS 11	-63

Mode	Data Rate	Power (dBm)
11n HE40	MCS 0	-92
	MCS 1	-88
	MCS 2	-86
	MCS 3	-83
	MCS 4	-80
	MCS 5	-76
	MCS 6	-74
	MCS 7	-73
	MCS 8	-69
	MCS 9	-67
	MCS 10	-63
	MCS 11	-60
HE80	MCS 0	-88
	MCS 1	-85
	MCS 2	-83
	MCS 3	-80
	MCS 4	-77
	MCS 5	-73
	MCS 6	-71
	MCS 7	-69
	MCS 8	-66
	MCS 9	-64
	MCS 10	-60
	MCS 11	-57

Device Specifications

- **Chassis dimensions**: Per hardware spec: 8.07" x 8.07" x 1.46" (205 mm x 205 mm x 37 mm
- **Weight**: *2.61 lbs (1.18 kilograms) approximate weight*
- **Antennas**: Four dual band and three 5 GHz single band omnidirectional antennas
- **Ethernet ports**:
- Eth0: autosensing 100/1000G BASE-T/TX Mbps, requiring Cat5 or better cable.
- Eth1: autosensing 10/100/1000G BASE-T/TX Mbps, requiring Cat5 or better cable. The AP receives power through an Ethernet connection to the ETH1 port from PSE (power sourcing equipment) that is compatible with the 802.3at and 802.3at standards.
- **5.0 BLE**
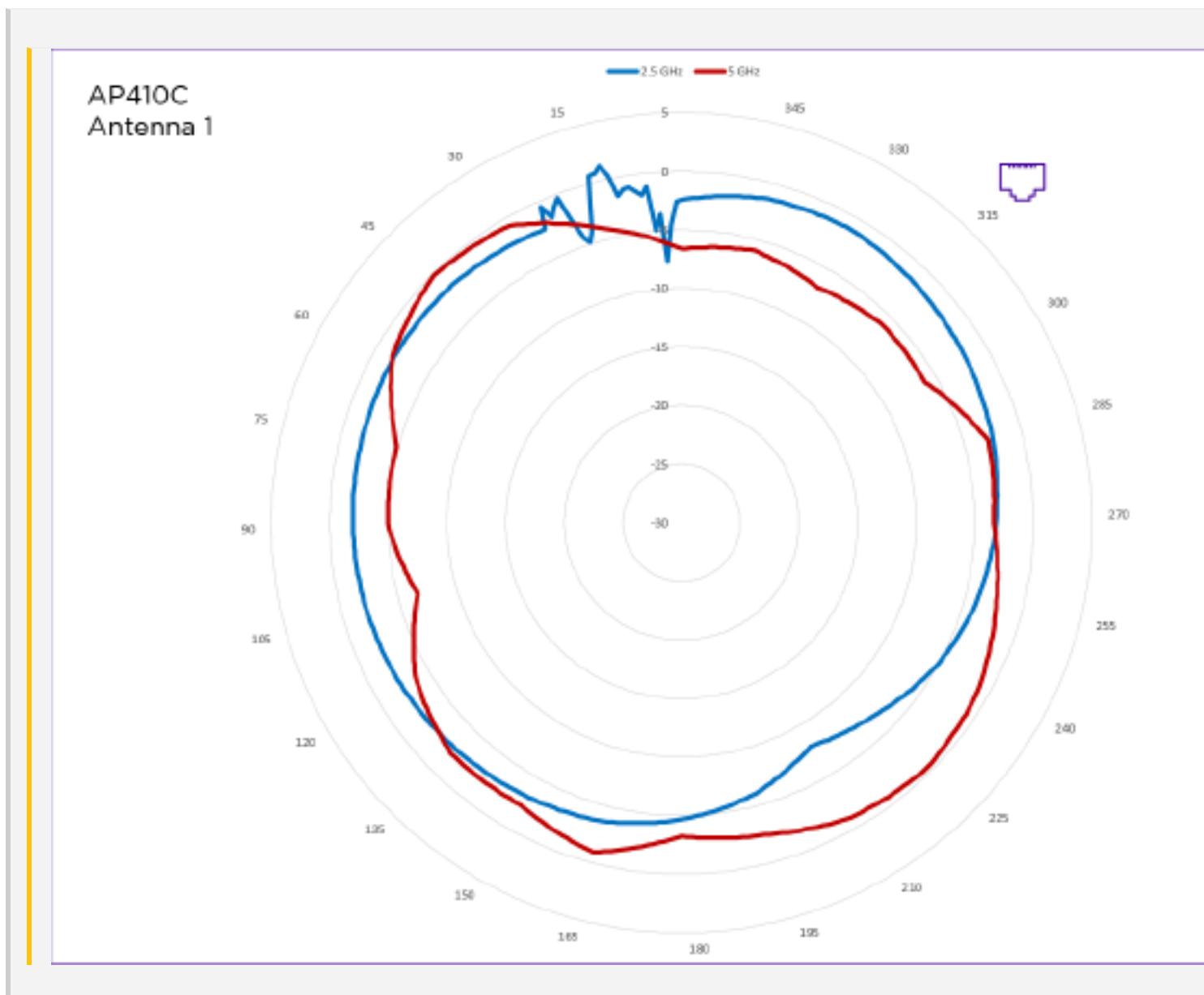
Antenna Gain
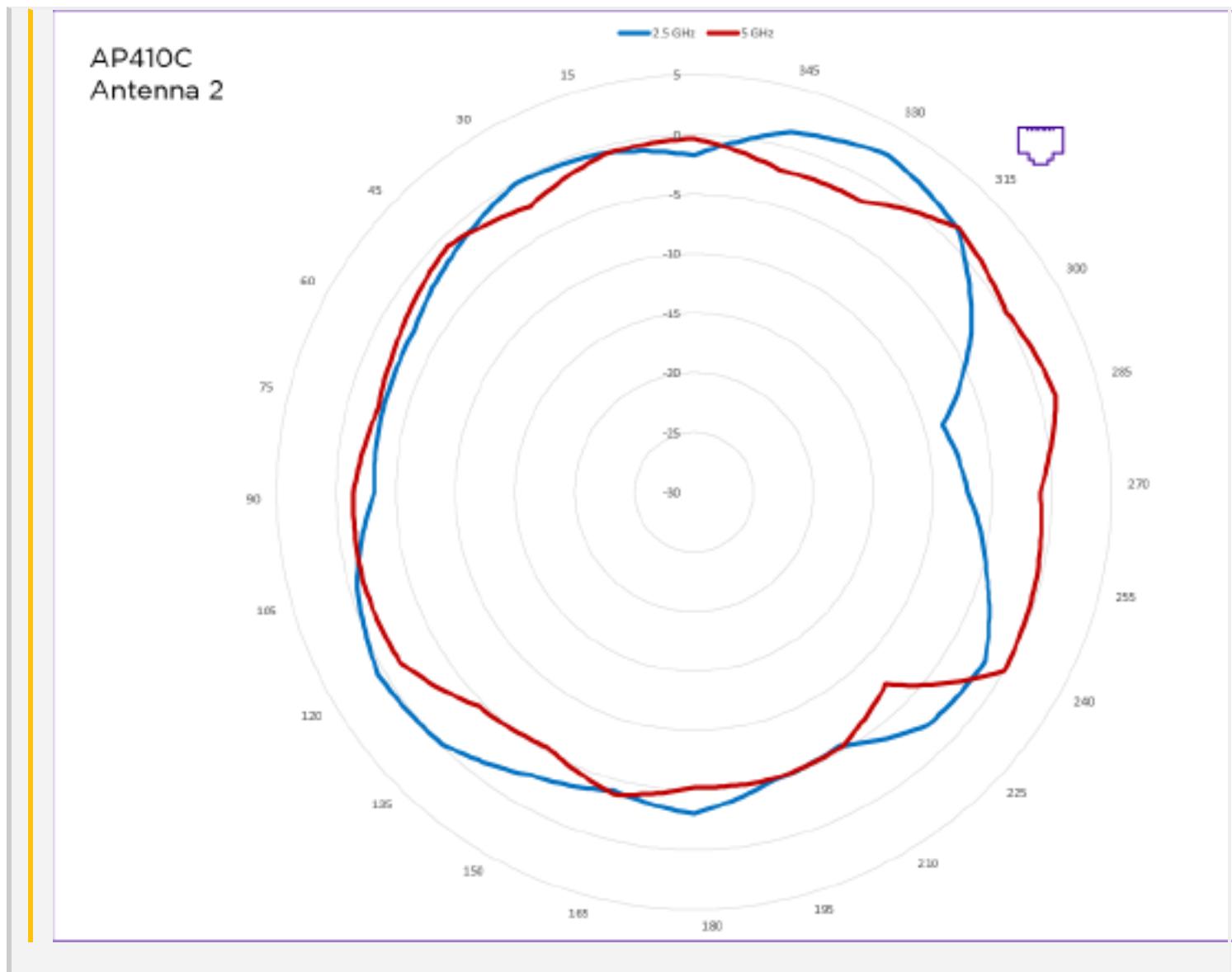
- WiFi 2.4 GHz: **3.9** dBi gain max
- WiFi 5 GHz: **4.7** dBi gain max

Antenna Plots
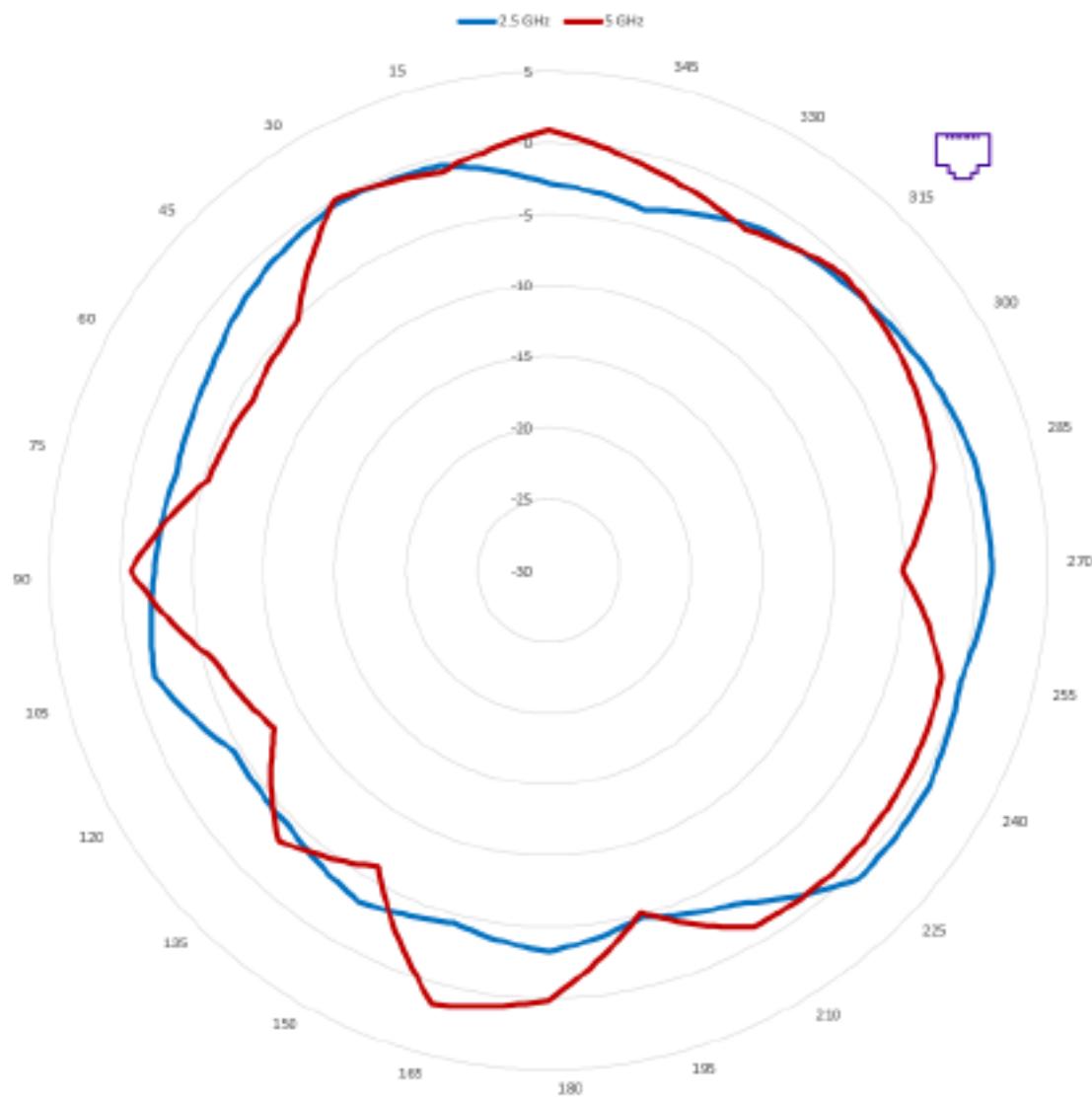
The antenna plots for the AP410C are available below. The Ethernet port location is noted on each chart.

AP410C

AP410C
Antenna 1
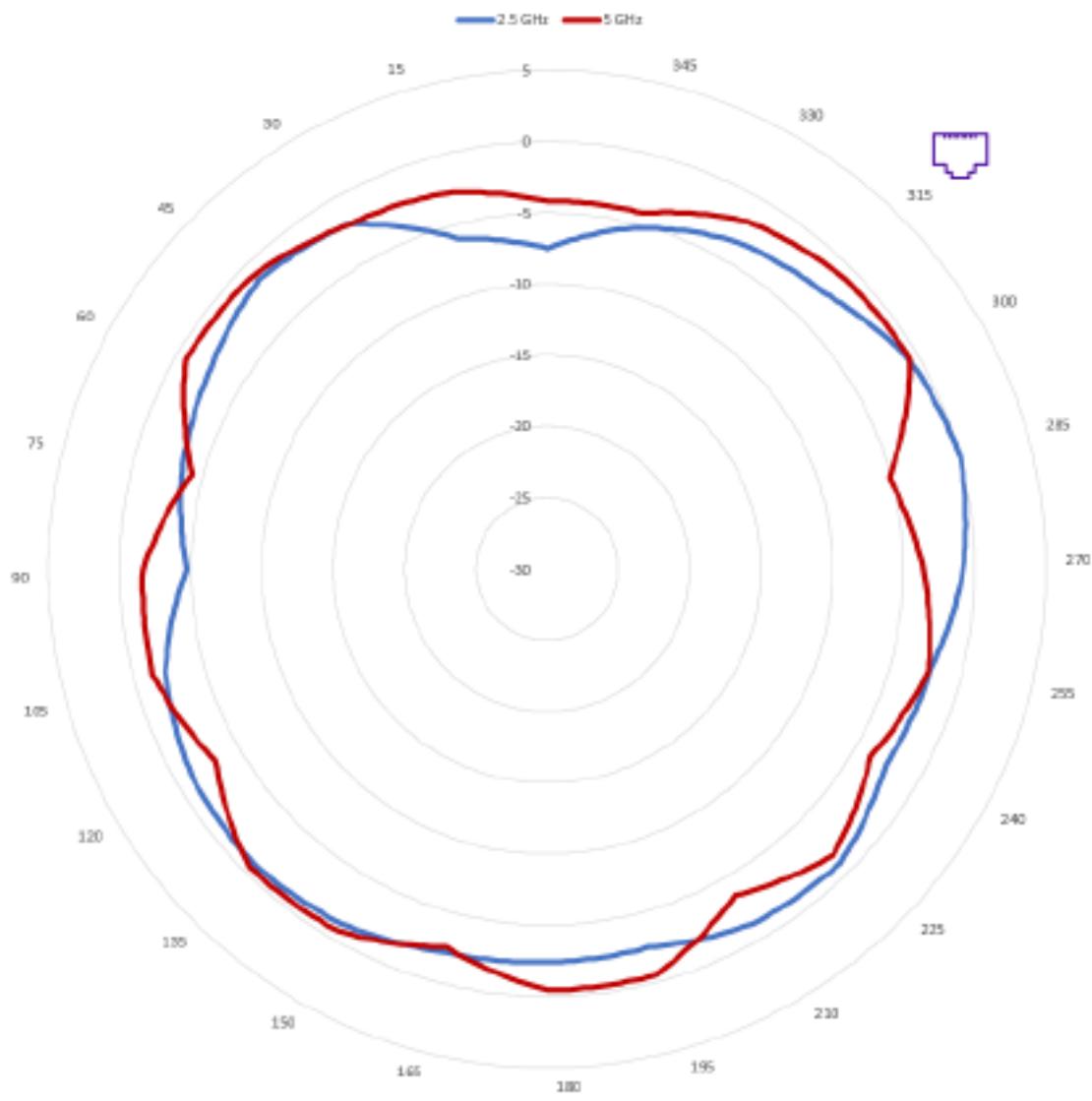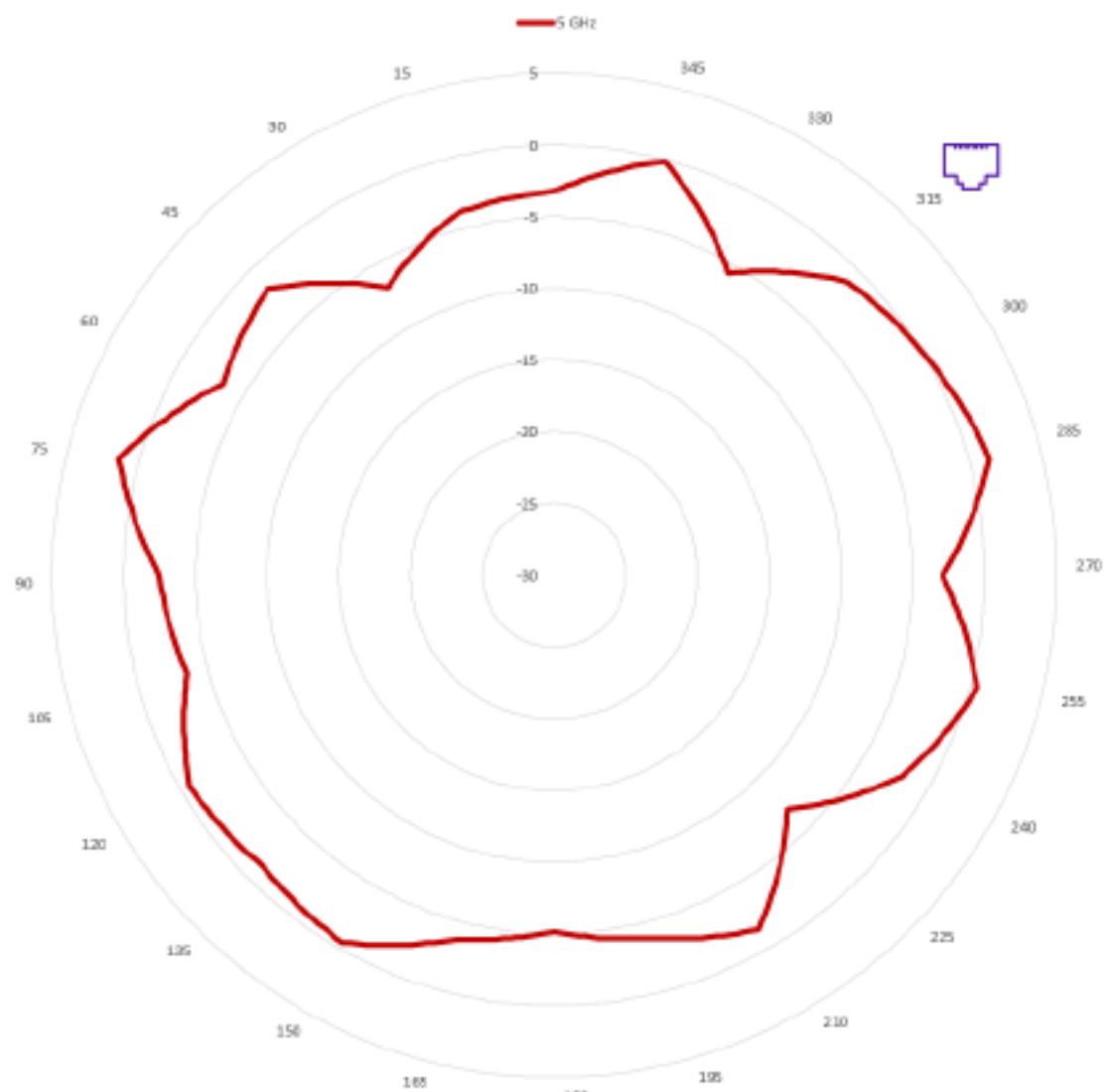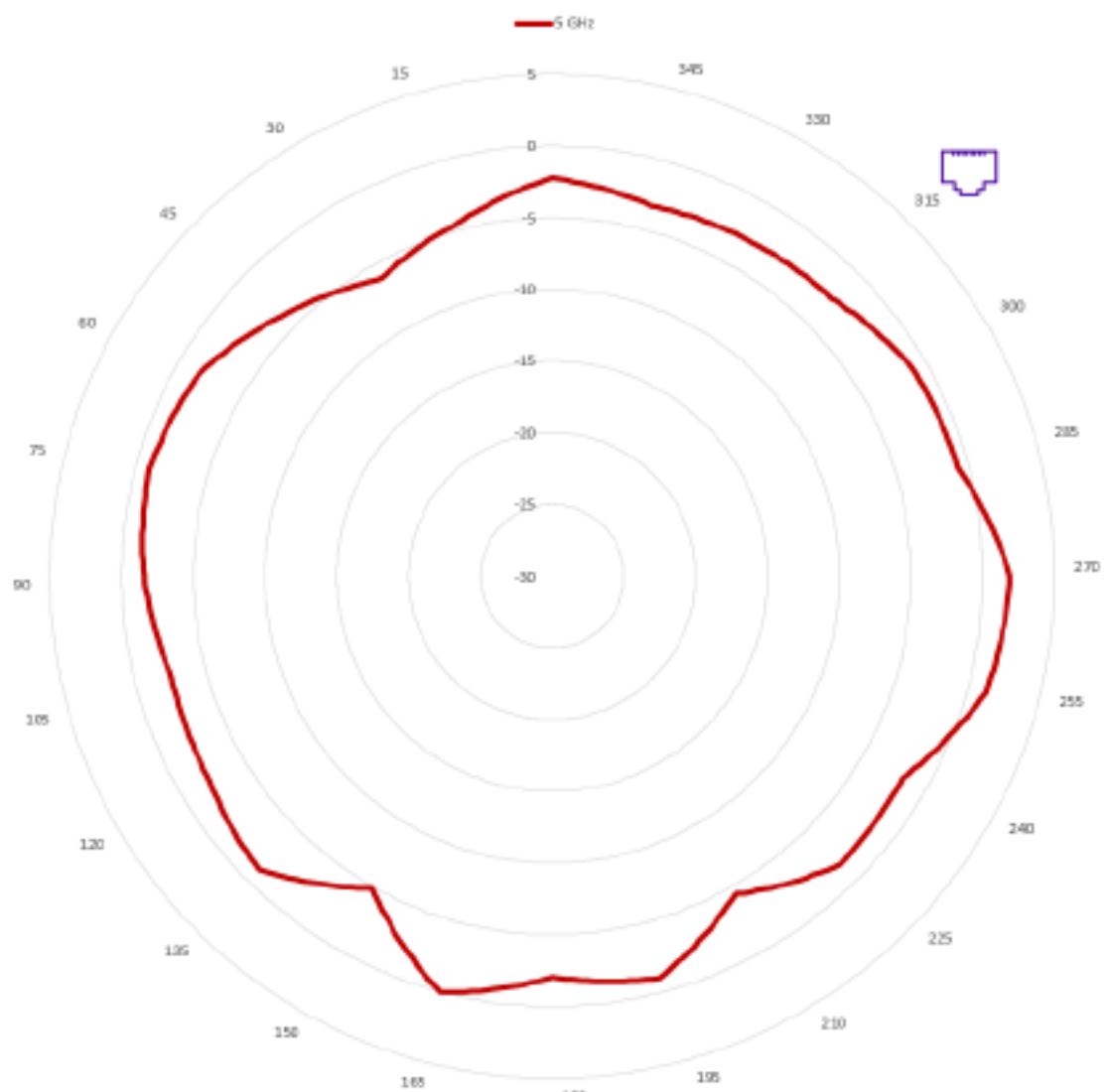
AP410C
Antenna 2
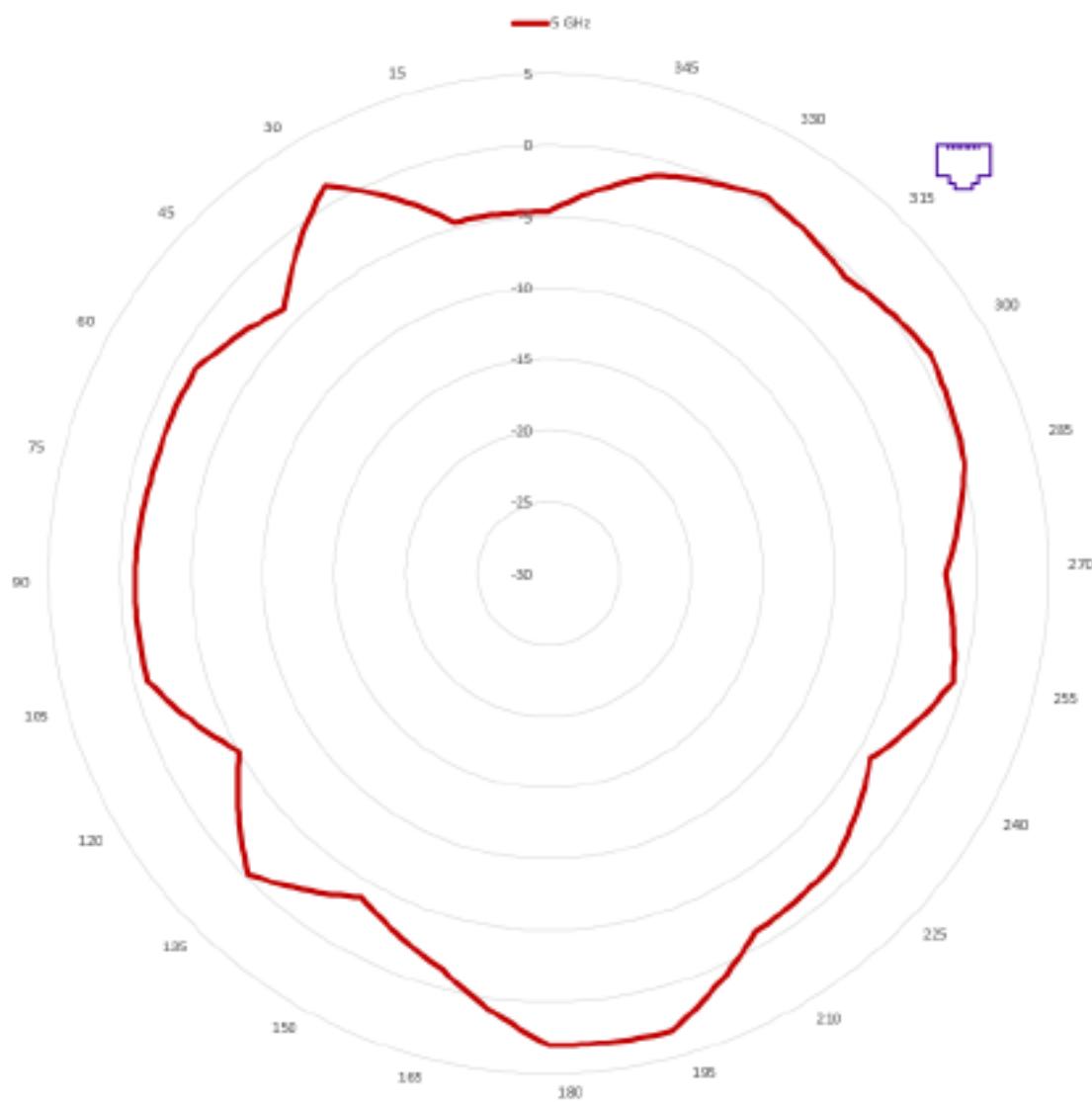
AP410C
Antenna 3

AP410C
Antenna 4

AP410C
Antenna 5

AP410C
Antenna 6

AP410C
Antenna 7

Power and Environmental Specifications

Power Specifications

- PoE input voltage range: 37-57 V
- ESD Protection: 8 kV contact discharge / 15 kV air discharge

Power Consumption

- PoE: 26.7W with USB, 5V/1A, 21.7W without USB
- 802.3at at Ethernet switch
- Surge Protection: 1.0 kV DM, 2 kV CM

Environmental Specifications

- Operating temperature: 32° to 104° F (0° to 40° C)
- Storage temperature: -40° to 176° F (-40° to 80° C)
- Relative Humidity: 10 to 95% RH (noncondensing)

Regulatory Compliance Statements

The regulatory compliance statements in this section apply to Extreme Networks devices.

Japan Indoor Use

> *For Japan, the AP410C is restricted for indoor use in the 5150-5350 MHz band only.*

Japan Equipment VCCI-B Statement

> この装置は，クラスB情報技術装置です。この装置は，家庭環境で使用
> することを目的としていますが，この装置がラジオやテレビジョン受信機に
> 近接して使用されると，受信障害を引き起こすことがあります。
> 取扱説明書に従って正しい取り扱いをして下さい。　　　　VCCI－B

Compliance Statement - Europe

EU Declaration of Conformity
View full CE Declaration of Compliance and this information online at www.aerohive.com/support/regulatory-compliance
Extreme Networks, Inc. declares that this device complies with the essential requirements of the Radio Eqiupment Directive 2014/53/EU.

- **Bulgarian [български]:** [Extreme Networks] С настоящото [Extreme Networks] декларира, че този тип радиосъоръжение [AP410C] е в съответствие с Директива 2014/53/EU.
- **Croatian [hrvatski]:** [Extreme Networks] ovime izjavljuje da je radijska oprema tipa [AP410C] u skladu s Direktivom 2014/53/EU.
- **Czech [Česky]:** [Extreme Networks] Tímto [jméno výrobce] prohlašuje, že typ rádiového zařízení [AP410C] je v souladu se směrnicí 2014/53/EU.
- **Danish [Dansk]:** Hermed erklærer [Extreme Networks], at radioudstyrstypen [AP410C] er i overensstemmelse med direktiv 2014/53/EU.
- **Dutch [Nederland]**Hierbij verklaar ik, [Extreme Networks], dat het type radioapparatuur [AP410C] conform is met Richtlijn 2014/53/EU.
- **English**: Hereby, [Extreme Networks], declares that this [AP410C] is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
- **Estonian [Eesti]**: Käesolevaga deklareerib [Extreme Networks], et käesolev raadioseadme tüüp [AP410C] vastab direktiivi 2014/53/EL nõuetele.
- **Finnish [Suomi]**: [Extreme Networks] vakuuttaa, että radiolaitetyyppi [AP410C] on direktiivin 2014/53/EU mukainen.
- **French [Français]**: Le soussigné, [Extreme Networks], déclare que l'équipement radioélectrique du type [AP410C] est conforme à la directive 2014/53/UE.
- **German [Deutsch]**: Hiermit erklärt [Extreme Networks], dass der Funkanlagentyp [AP410C] der Richtlinie 2014/53/EU entspricht.
- **Greek [Ελληνική]**: ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ [Extreme Networks] ΔΗΛΩΝΕΙ ΟΤΙ [[AP410C] ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU.
- **Hungarian [Magyar]**: [Extreme Networks] igazolja, hogy a [AP410C] típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.
- **Italian [Italiano]**: Il fabbricante, [Extreme Networks], dichiara che il tipo di apparecchiatura radio [AP410C] è conforme alla direttiva 2014/53/UE.
- **Latvian [Latviski]**: Ar šo [Extreme Networkss] deklarē, ka radioiekārta [AP410C] atbilst Direktīvai 2014/53/ES.
- **Lithuanian [Lietuvių]**: Aš, [Extreme Networks], patvirtinu, kad radijo įrenginių tipas [AP410C] atitinka Direktyvą 2014/53/ES.
- **Maltese [Malti]**: B'dan, [Extreme Networks], niddikjara li dan it-tip ta' tagħmir tar-radju [[[[Undefined variable Primary.AP460C]]]] huwa konformi mad-Direttiva 2014/53/UE.
- **Polish [Polski]**: [Extreme Networks] niniejszym oświadcza, że typ urządzenia radiowego [AP410C] jest zgodny z dyrektywą 2014/53/UE.
- **Portuguese [Português]**: O(a) abaixo assinado(a) [Extreme Networks] declara que o presente tipo de equipamento de rádio [AP410C] está em conformidade com a Diretiva 2014/53/UE.
- **Romanian [Romania]**: Prin prezenta, [Extreme Networks] declară că tipul de echipamente radio [AP410C] este în conformitate cu Directiva 2014/53/UE.
- **Slovak [Slovensky]**: [Extreme Networks] týmto vyhlasuje, že rádiové zariadenie typu [AP410C] je v súlade so smernicou 2014/53/EÚ.

- **Slovenian [Slovenija]**: [Extreme Networks] potrjuje, da je tip radijske opreme [AP410C] skladen z Direktivo 2014/53/EU.
- **Spanish [Español]**: Por la presente, [Extreme Networks] declara que el tipo de equipo radioeléctrico [AP410C] es conforme con la Directiva 2014/53/UE.
- **Swedish [Sverige]**: Härmed försäkrar [Extreme Networks] att denna typ av radioutrustning [AP410C] överensstämmer med direktiv 2014/53/EU.

USA and Canada Radio Frequency Bands

a. USA

- 802.11b/g/n/ac: 2.4 GHz band: 2400-2483 MHz
- 802.11a/n/ac/ax: 5 GHz band: 5150-5250, 5725-5850 MHz
- BLE: 2402-2480 MHz

b. Canada

- 802.11b/g/n/ac: 2.4 GHz band: 2400-2483 MHz
- 802.11a/n/ac/ax: 5 GHz band: 5150-5250, 5725-5850 MHz
- BLE: 2402-2480 MHz

EU Radio Frequency and Power Levels

This product supports the following radio frequencies and power levels in the EU version:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Bulgarian [български]: Този продукт поддържа следните радиочестоти и нива на мощност във версията на EU:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Croatian [hrvatski]: Ovaj proizvod podržava sljedeće radijske frekvencije i razinu snage u verziji EU:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Česky [Czech]: [Tento produkt podporuje následující rádiové frekvence a úrovně výkonu ve verzi EU:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Danish [Dansk]: Dette produkt understøtter følgende radiofrekvenser og strømniveauer i EU-versionen:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Dutch [Nederland]: Dit product ondersteunt de volgende radiofrequenties en vermogensniveaus in de EU-versie:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

English: This product supports the following radio frequencies and power levels in the EU version:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Estonian [Eesti]: See toode toetab järgmisi raadiosagedusi ja võimsuse taseme ELis versioon:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm

- BLE: 2402-2480 MHz EIRP<8 dBm

Finnish [Suomi]: Tämä tuote tukee seuraavia radiotaajuuksia ja tehoja EU-versiossa:

- 802.11a/b/g/n, 2.4 GHz band: 2412-2472 MHz EIRP<20 dBm
- 802.11 a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

French [Français]: Ce produit prend en charge les fréquences radio et les niveaux de puissance suivants dans la version EU:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

German [Deutsch]: Dieses Produkt unterstützt die folgenden Funkfrequenzen und Leistungsstufen in der EU-Version:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Greek [Ελληνική] Αυτό το προϊόν υποστηρίζει τις ακόλουθες ραδιοσυχνότητες και επίπεδα ισχύος στην έκδοση της EU:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Hungarian [Magyar]: Ez a termék a következő rádiófrekvenciákat és teljesítményszinteket támogatja az EU verziójában :

- 802.11b/g/n/ac, 2.4 GHz band: 2412-2472 MHz EIRP<20 dBm
- 802.11 a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Italian [Italiano]: Questo prodotto supporta le seguenti frequenze radio e livelli di potenza nella versione UE:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5850 MHz EIRP<30 dBm, 5725-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Latvian [Latviski]: Šis produkts atbalsta šādus radio frekvences un jaudas līmeni ES versiju:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Lithuanian [Lietuvių]: Šis produktas palaiko šiuos radijo dažnius ir galios lygį ES versija:

- 802.11b/g/n/ac, 2.4 GHz band: 2412-2472 MHz EIRP<20 dBm
- 802.11 a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Maltese [Malti]: Dan il-prodott jappoġġja l-frekwenzi tar-radju li ġejjin u l-livelli ta 'enerġija fil-verżjoni UE:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Pollish [Polski]: Ten produkt obsługuje następujące częstotliwości radiowe i poziomy mocy w wersji unijnej:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Portuguese [Português]: Este produto suporta as seguintes frequências de rádio e níveis de potência na versão UE:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax : 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Romanian [Romania]: This product supports the following radio frequencies and power levels in the EU version

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Slovak [Slovensky]: Tento produkt podporuje nasledujúce rádiové frekvencie a úrovne napájania vo verzii EÚ:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Slovenian [Slovenija]: Ta izdelek podpira te radijske frekvence in ravni moči v različici EU:

- 802.11b/g/n/ac, 2.4 GHz band: 2412-2472 MHz EIRP<20 dBm
- 802.11 a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Spanish [Español]: Este producto admite las siguientes frecuencias de radio y niveles de potencia en la versión de la UE:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

Swedish [Sverige]: Denna produkt stöder följande radiofrekvenser och effektnivåer i EU-versionen:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<14 dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

UK: This product supports the following radio frequencies and power levels in the EU version:

- 802.11b/g/n/ac, 2.4 GHz band: 2400-2483.5 MHz EIRP<20 dBm
- 802.11a/ac/n/ax: 5 GHz band: 5150-5350 MHz EIRP<23 dBm, 5470-5725 MHz EIRP<30 dBm, 5730-5850 MHz<23dBm
- BLE: 2402-2480 MHz EIRP<8 dBm

EU Radiation Warning Statement

AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES
FI	FR	HR	HU	IE	IS	IT	LI	LT	LU	LV
MT	NL	NO	PL	PT	RO	SE	SI	SK	TR	UK

To meet radiation exposure requirements, these devices should be installed at a minimum distance of 8" (20 cm) from people or animals.
Restrictions: 5150-5350 MHz for indoor use only.

Bulgarian [български]: За да отговарят на изискванията за излагане на радиация, тези устройства трябва да бъдат инсталирани на минимално разстояние от 20 см от хората или животните.
Ограничения: 5150-5350 MHz само за вътрешна употреба.

Croatian [hrvatski]: Da bi zadovoljili zahtjeve izloženosti zračenju, ti uređaji trebaju biti instalirani na minimalnoj udaljenosti od 20 cm od ljudi ili životinja.
Ograničenja: 5150-5350 MHz samo za unutarnju uporabu.

Czech [Česky]: Aby byly splněny požadavky na ozáření, měly by být tato zařízení instalována v minimální vzdálenosti 20 cm od lidí nebo zvířat.
Omezení: 5150-5350 MHz pouze pro vnitřní použití.

Danish [Dansk]: For at opfylde kravene til strålingseksponering skal disse enheder installeres i mindst 8" (20 cm) afstand fra mennesker eller dyr.
Restriktioner: 5150-5350 MHz kun til indendørs brug.

Dutch [Nederland]: Om aan stralingsblootstelling te voldoen, dienen deze apparaten op een minimumafstand van 8" (20 cm) van mensen of dieren te worden geïnstalleerd.
Beperkingen: 5150-5350 MHz alleen voor gebruik binnenshuis.

English: To meet radiation exposure requirements, these devices should be installed at a minimum distance of 8" (20 cm) from people or animals.
Restrictions: 5150-5350 MHz for indoor use only.

Estonian [Eesti]: Et rahuldada kiirituse nõuetele, need seadmed tuleb paigaldada minimaalselt 8" (20 cm) inimestelt või loomadelt.
Piirangud: 5150-5350 MHz sisetingimustele.

Finnish [Suomi]: Säteilytysvaatimusten täyttämiseksi nämä laitteet on asennettava vähintään 8" (20 cm) etäisyydelle ihmisistä tai eläimistä. Rajoitukset: 5150-5350 MHz vain sisäkäyttöön.

French [Français]: Pour répondre aux exigences d'exposition aux rayonnements, ces appareils devraient être installés à une distance minimale de 8" (20 cm) des personnes ou des animaux. Restrictions: 5150-5350 MHz pour usage intérieur seulement.

German [Deutsch]: Um die Anforderungen an die Strahlenbelastung zu erfüllen, sollten diese Geräte in einem Abstand von 8" (20 cm) von Personen oder Tieren installiert werden. Einschränkungen: 5150-5350 MHz nur für den Innenbereich.

Greek [Ελληνική]: Για την κάλυψη των απαιτήσεων έκθεσης σε ακτινοβολία, οι συσκευές αυτές πρέπει να τοποθετούνται σε απόσταση τουλάχιστον 20 cm από ανθρώπους ή ζώα. Περιορισμοί: 5150-5350 MHz μόνο για εσωτερική χρήση.

Hungarian [Magyar]: A sugárterhelési követelmények teljesítése érdekében ezeket az eszközöket legalább 8" (20 cm) távolságra kell felszerelni az emberek vagy az állatoktól. Korlátozások: 5150-5350 MHz csak beltéri használatra.

Italian [Italiano]: Per soddisfare i requisiti di esposizione alle radiazioni, questi dispositivi devono essere installati ad una distanza minima di 20 cm da persone o animali. Restrizioni: 5150-5350 MHz solo per uso interno.

Latvian [Latviski]: Lai apmierinātu starojuma iedarbības prasībām, šīs ierīces ir uzstādītas pie minimālo attālumu 8" (20 cm) no cilvēkiem vai dzīvniekiem. Ierobežojumi: 5150-5350 MHz izmantot tikai telpās.

Lithuanian [Lietuvių]: Siekiant patenkinti SPINDULIAVIMĄ reikalavimus, šie įtaisai turi būti įrengiami ne arčiau kaip 8" (20 cm) nuo žmonių ar gyvūnų. Apribojimai: 5150-5350 MHz naudoti tik patalpose.

Maltese [Malti]: Biex jilħqu l-ħtiġiet ta 'espożizzjoni tar-radjazzjoni, dawn il-mezzi għandhom jiġu installati f'distanza minima ta' 8" (20 ċm) minn nies jew annimali. Restrizzjonijiet: MHz 5150-5350 għall-użu fuq ġewwa biss.

Polish [Polski]: Aby spełnić wymagania dotyczące narażenia na promieniowanie, urządzenia te powinny być instalowane w odległości minimum 8" (20 cm) od ludzi lub zwierząt. Ograniczenia: 5150-5350 MHz tylko do użytku wewnętrznego.

Portuguese [Português]: Para atender aos requisitos de exposição à radiação, esses dispositivos devem ser instalados a uma distância mínima de 20 cm (8") de pessoas ou animais. Restrições: 5150-5350 MHz para uso interno apenas.

Romanian [Romania]: Pentru a îndeplini cerințele de expunere la radiații, aceste dispozitive ar trebui instalate la o distanță minimă de 20 cm de la oameni sau animale. Restricții: 5150-5350 MHz numai pentru uz intern.

Slovak [Slovensky]: Ak chcete splniť požiadavky na vystavenie žiareniu, mali by byť tieto zariadenia inštalované v minimálnej vzdialenosti od ľudí alebo zvierat od minimálnej vzdialenosti 20 cm. Obmedzenia: 5150-5350 MHz iba pre vnútorné použitie.

Slovenian [Slovenija]: Da bi zadovoljili zahteve izpostavljenosti sevanja, morajo biti te naprave nameščene na razdalji najmanj 8" (20 cm) iz ljudi ali živali. Omejitve: 5150-5350 MHz samo za uporabo v zaprtih prostorih.

Spanish [Español]: Para cumplir con los requisitos de exposición a la radiación, estos dispositivos deben instalarse a una distancia mínima de 8" (20 cm) de personas o animales. Restricciones: 5150-5350 MHz sólo para uso en interiores.

Swedish [Sverige]: För att uppfylla kraven på strålningsexponering bör dessa enheter installeras på minst 8" (20 cm) från människor eller djur. Restriktioner: 5150-5350 MHz endast för inomhusbruk.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the antenna of the receiving devices.
- Increase the separation between this equipment and receiving equipment.
- Connect this equipment into an outlet on a circuit different from that to which the receiving equipment is connected.
- Consult the dealer or an experienced radio or TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 8" (20 cm) between the radiator and people or animals.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Country Code selection feature to be disabled for products marketed to the US/CANADA.

Warning: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Brazil Statement

Este equipamento não tem direito à proteção contra inteferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Mexico Statement

La operación de este equipo está sujeta a las siguientes dos condiciones

(1) es posible que este equipo o dispositivo no cause interferencia perjudicial y

(2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

The operation of this equipment is subject to the following two conditions:

(1) it is possible that this equipment or device does not cause disruptive interference and

(2) this equipment or device must accept any interference, including interference that may cause undesired operation).

Industry Canada Statement:

This device complies with Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions:

- This device may not cause interference, and
- This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- l'appareil ne doit pas produire de brouillage, et
- l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution:

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

Avertissement:

(i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

Dynamic Frequency Selection (DFS):

Dynamic Frequency Selection (DFS) for devices operating in the bands 5250- 5350 MHz, 5470-5600 MHz and 5650-5725 MHz.

Sélection dynamique de fréquences (DFS):

Sélection dynamique de fréquences (DFS) pour les dispositifs fonctionnant dans les bandes 5250-5350 MHz, 5470-5600 MHz et 5650-5725 MHz.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and people or animals.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et des personnes ou des animaux.

Taiwan Compliance Information

Extreme Networks AP410C

第十二條→經型式認證合格之低功率射頻電機，非經許可，公司，商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條→低功　射頻電機之使用　得影響飛航安全及干擾合法通信；經發現有干擾現象時，應　即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。低功　射頻電機須忍受合法通信或工業、科學及醫　用電波　射性電機設備之干擾。

在 5.25-5.35 秭赫頻帶內操作之無線資訊傳輸設備，限於室內使用。
無線資訊傳設備的製造廠商應確保頻　穩定性，如依製造廠商使用手冊上所述正常操作，發射的信號應維持於操作頻帶中。

Taiwan MPE Warning

電磁波曝露量MPE標準值 (MPE) 1mW/cm^2，送測產品實值為0.734 mW/cm^2

European Waste Electrical and Electronic Equipment (WEEE) Notice

In accordance with Directive 2012/19/EU of the European Parliament on waste electrical and electronic equipment (WEEE):

1. The symbol above indicates that separate collection of electrical and electronic equipment is required.
2. When this product has reached the end of its serviceable life, it cannot be disposed of as unsorted municipal waste. It must be collected and treated separately.
3. It has been determined by the European Parliament that there are potential negative effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment.
4. It is the users' responsibility to utilize the available collection system to ensure WEEE is properly treated.

For information about the available collection system, please contact Extreme Environmental Compliance at Green@extremenetworks.com.

Hazardous Substances Statement and RoHS Chart

Hazardous Substances

This product complies with the requirements of Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr^{+6})	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
金屬零件 (Metal Parts)	○	○	○	○	○	○
電路模組 (Circuit Modules)	−	○	○	○	○	○
電纜及電纜組件 (Cables & Cable Assemblies)	○	○	○	○	○	○
塑料和聚合物零件 (Plastic and Polymeric parts)	○	○	○	○	○	○

備考1. "超出0.1 wt %" 及 "超出0.01 wt %" 係指限用物質之百分比含量超出百分比含量基準值。
Note 1 : "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.
備考2. "○" 係指該項限用物質之百分比含量未超出百分比含量基準值。
Note 2 : "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.
備考3. "−" 係指該項限用物質為排除項目。
Note 3 : The "−" indicates that the restricted substance corresponds to the exemption.