



6 GHz Low Power Indoor AP Support for EU and United Kingdom

- [6 GHz Low Power Indoor AP Support for EU and United Kingdom, on page 1](#)
- [Enable 6 GHz Low Power Indoor Mode, on page 1](#)
- [Verify 6 GHz Low Power Indoor, on page 2](#)

6 GHz Low Power Indoor AP Support for EU and United Kingdom

From IOS XE Release 17.12, IW9167I can work in Low Power Indoor (LPI) mode for EU and United Kingdom.



Note Only IW9167IH-E and IW9167IH-ROW (GB) can be configured as an indoor AP.

The IW9167IH-E and IW9167IH-ROW(GB) in LPI mode support only the U-NII-5 sub channel lists (5925MHz - 6425MHz) in the Wi-Fi 6E band.

For more information about Wi-Fi 6E band, see [Wi-Fi 6E: The Next Great Chapter in Wi-Fi White Paper](#).

Enable 6 GHz Low Power Indoor Mode

To enable IW9167I 6 GHz LPI mode, use the following procedure on the wireless controller.

Step 1 Ensure that the access point PID is either IW9167IH-E or IW9167IH-ROW (GB):

```
#show ap summary
Number of APs: 2
CC = Country Code
RD = Regulatory Domain
AP NameSlots      AP Model      Ethernet MAC      Radio MAC      CC  RD  IP
Address           State         Location
-----
APFC58.9A17.0F14 3 IW9167IH-E    fc58.9a17.0f14    fc58.9a17.11a0 DE  -E
192.168.57.102 Registered default location
APFC58.9A17.E640 3 IW9167IH-E    fc58.9a17.e640    fc58.9a17.ec00 DE  -E
192.168.57.101 Registered default location
```

Step 2 Configure the AP to indoor mode, see [Enable Indoor Mode](#).

Step 3 Configure 6 GHz Radio:

```
controller#ap name APFC58.9A17.0F14 no dot11 6ghz slot 2 shutdown
```

Note Run the `controller#ap name <ap_name> dot11 6ghz slot 2 shutdown` command to shut down 6 GHz radio.

Step 4 Configure 6 GHz radio channel:

```
#ap name APFC58.9A17.0F94 dot11 6ghz slot 2 channel 33
```

Step 5 Configure 6 GHz radio channel width:

```
controller#ap name APFC58.9A17.0F94 dot11 6ghz slot 2 channel width 80
```

Verify 6 GHz Low Power Indoor

- To verify the 6 GHz LPI configuration, use the `show ap dot11 6ghz summary` command on the wireless controller:

```
controller#show ap dot11 6ghz summary
* global assignment
```

AP Name	Mac Address	Slot	Admin State	Oper State
Width	Txpwr	Channel	Mode	
APFC58.9A17.0F14	fc58.9a17.11a0	2	Enabled	Up
80	1/8 (17 dBm)	(33,37,41,45)		LOCAL

- To view the supported U-NII-5 sub channel lists in LPI mode within the Wi-Fi 6E band, use the `show controllers dot11Radio 2 frequency` command on the AP:

```
AP#show controllers dot11Radio 2 frequency
Configured Frequency: 6115Mhz Channel: 33 20MHz
Serving Frequency: 6115Mhz Channel: 33 20MHz
Allowed Frequency:
    5955MHz ( 1) 5975MHz ( 5) 5995MHz ( 9) 6015MHz ( 13) 6035MHz ( 17)
6055MHz ( 21) 6075MHz ( 25) 6095MHz ( 29)
    6115MHz ( 33) 6135MHz ( 37) 6155MHz ( 41) 6175MHz ( 45) 6195MHz ( 49)
6215MHz ( 53) 6235MHz ( 57) 6255MHz ( 61)
    6275MHz ( 65) 6295MHz ( 69) 6315MHz ( 73) 6335MHz ( 77) 6355MHz ( 81)
6375MHz ( 85) 6395MHz ( 89) 6415MHz ( 93)
```

For more configuration commands of Wi-Fi 6E band operation, see [Configure and Verify Wi-Fi 6E Band Operations and Client Connectivity](#).