

知 针对WiFi-7的AP配置6GHz信号辅助发现的作用是什么

wlan接入 谭奇伟 2023-11-24 发表

问题描述

WiFi-7的AP配置6GHz信号辅助发现功能的作用是什么？

```
#  
wlan global-configuration  
wlan out-band 6g-discovery enable  
#
```

解决方法

答：配置了辅助发现命令（wlan out-band 6g-discovery enable），后5 GHz 和 2.4 GHz 的 beacon 里面带上 6G SSID 的一些信息，辅助终端发现 6 GHz 无线服务。

相关的信息字段会封装在 5 GHz 和 2.4 GHz 的 Beacon 帧中，携带 6 GHz 服务的 SSID，BSSID 和信道，帮助支持 802.11be 和 802.11eax 的终端发现可用的 6 GHz 无线服务（前提是所在地区支持 6 GHz 无线频段）。

No.	Time	Source	Destination	Protocol	Vlan	Length	Info
1	2023-11-14 16:02:48.644211000	ArtherosComms_12:83:81	802.11	802.11		451	Beacon Response, SSI=216, FH=0, Flags=.....C, SSID="18341-7638-5g-test"
2	2023-11-14 16:02:48.649221000	ArtherosComms_12:83:81	802.11	802.11		451	Beacon Frame, SSI=216, FH=0, Flags=.....C, SSID="18341-7638-5g-test"
3	2023-11-14 16:02:48.652221000	ArtherosComms_12:83:81	802.11	802.11		445	Probe Response, SSI=216, FH=0, Flags=.....C, SSID="18341-7638-5g-test"
4	2023-11-14 16:02:48.653221000	ArtherosComms_12:83:81	802.11	802.11		445	Probe Response, SSI=216, FH=0, Flags=.....C, SSID="18341-7638-5g-test"
5	2023-11-14 16:02:48.657221000	ArtherosComms_12:83:81	802.11	802.11		445	Probe Response, SSI=216, FH=0, Flags=.....C, SSID="18341-7638-5g-test"

```
Frame 2: 451 bytes on wire (3608 bits), 451 bytes captured (3608 bits) on 0
802.11 radio information
IEEE 802.11 Beacon Frame, Flags: .....C
IEEE 802.11 Wireless Management
  Frame parameters (14 bytes)
    timestamp: 958478000
    beacon interval: 0.320000 [seconds]
    capability information: 0x0001
  Tagged parameters (411 bytes)
    Tag: SSID parameter set "18341-7638-5g-test"
      Tag: Supported Rates (6(9), 9, 12(6), 18, 24(6), 36, 48, 54, [Mbit/sec])
      Tag: Traffic Indication Map (TIM) 0/20 of 1 bitmap
      Tag: Country Information: Country Code US, Environment All
      Tag: Power Constraint: 0
      Tag: TPC Report: Transmit Power: 26, LSA Margin: 0
      Tag: HT Capabilities (802.11n D1.10)
      Tag: HT Information (802.11n D1.10)
      Tag: Extended Capabilities (18 octets)
      Tag: VHT Capabilities
      Tag: VHT Operation
    Tag: Tx Power Information
    Tag: Reduced Neighbor Report
      Tag Number: Reduced Neighbor Report (201)
      Tag length: 20
  Neighbor AP Information
    .....000 - TBT Information field: 0
    .....000 - TBT Filtered Neighbor AP: 0
    .....0000 - TBT Information Count: 0
    0001 0000 ..... - TBT Information Length: Neighbor AP TBT Offset subfield, the BSSID subfield, the Short SSID subfield,
    Operating Class: 137
    Channel Number: 161
    TBT Information
      Neighbor AP TBT Offset: 05
      PPSID: 0000010000
      Source SSID: 00b2055fa
      SSV Parameters: 0000
      PSD Subfield: -1.0 dBm/Hz
      MLD Parameters: 00000000
```

```
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