

Basically, the 'Monitor issue' on macOS can be fixed followed as the method Amir answered in the LAB Discussion Forum.



Re: Mac unable to Capture packets in Monitor Mode

by [Sayed Amir Hoseini](#) - Monday, 15 June 2020, 5:00 PM

If you disconnect your WiFi from any access point (keep WiFi ON), then you can capture packets in monitoring mode.

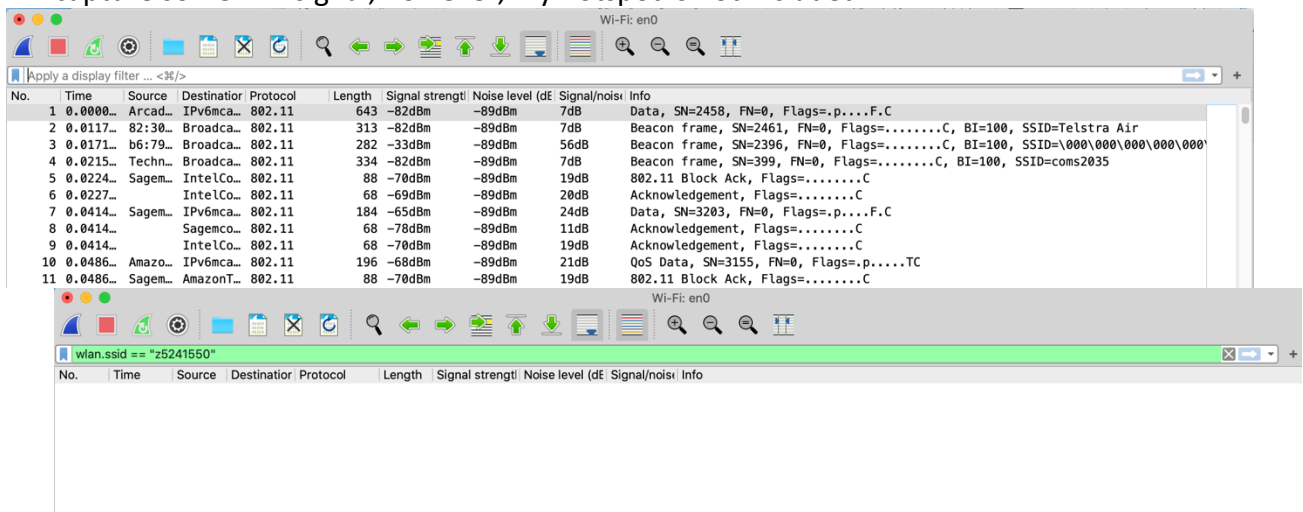
Let me know if this doesn't work.

[Permalink](#)

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However, there might be some other issues as I mentioned in the previous email. It does capture some wifi signal, however, my hotspot is not included.

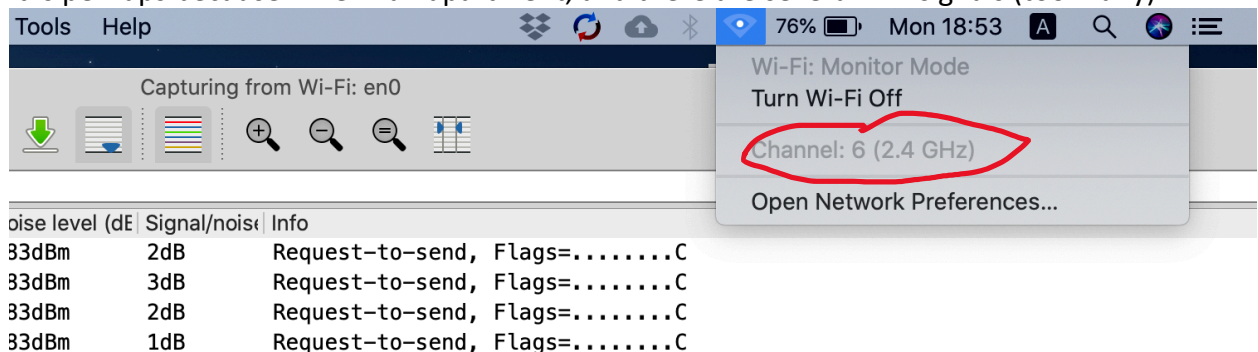


I guess the reason is that wifi channel may be changed occasionally when we disconnect the wifi and try to capture packets, the monitor channel may be changed occasionally as well.

They do not always match.

Such as channel 6 (monitor) and channel 11 (hotspot).

It is perhaps because I live in an apartment, and there are several wifi signals (too many).



Status: Connected

Current Network Information:

z5241550:

PHY Mode: 802.11n

BSSID: 86:d6:9a:7a:87:31

Channel: 11

Country Code: X2

Network Type: Infrastructure

Security: WPA2 Personal

Signal / Noise: -28 dBm / -88 dBm

Transmit Rate: 144

MCS Index: 15

What we need to do is:

1. Connect to the hotspot 'z5241550'
2. Check the channel it uses (About This Mac – System Report – Network- Wifi)

- USB
- ▼ Network
- Firewall
- Locations
- Volumes
- WWAN
- Wi-Fi**
- ▼ Software
- Accessibility
- Applications
- Developer
- Disabled Software
- Extensions

AirDrop Channel: 149

Auto Unlock: Supported

Status: Connected

Current Network Information:

z5241550:

PHY Mode: 802.11n

BSSID: f6:9b:7f:16:08:b9

Channel: 1

Country Code: AU

Network Type: Infrastructure

Security: WPA2 Personal

Signal / Noise: -29 dBm / -90 dBm

Transmit Rate: 144

MCS Index: 15

Other Local Wi-Fi Networks:

411-2nd floor:

3. Disconnect the wifi, and use sniff to choose the channel.

Through 'Wireless Diagnostics-Sniff', or use the command 'airport en0 sniff 11'. (channel 11, for example)

The screenshot shows a Mac desktop with two windows open. The 'Sniffer' window is in the foreground, displaying a list of captured packets. The 'Wireless Diagnostics' window is in the background, showing the 'Sniff' tab with a list of captured packets. The 'Sniffer' window has a 'Channel' dropdown set to '11' and a 'Width' dropdown set to '20 MHz'. The 'Wireless Diagnostics' window shows a list of captured packets with columns for No., Time, Source, Destination, Protocol, Length, Signal strength, Noise level, and Info.

4. Then open Wireshark to capture the packets.