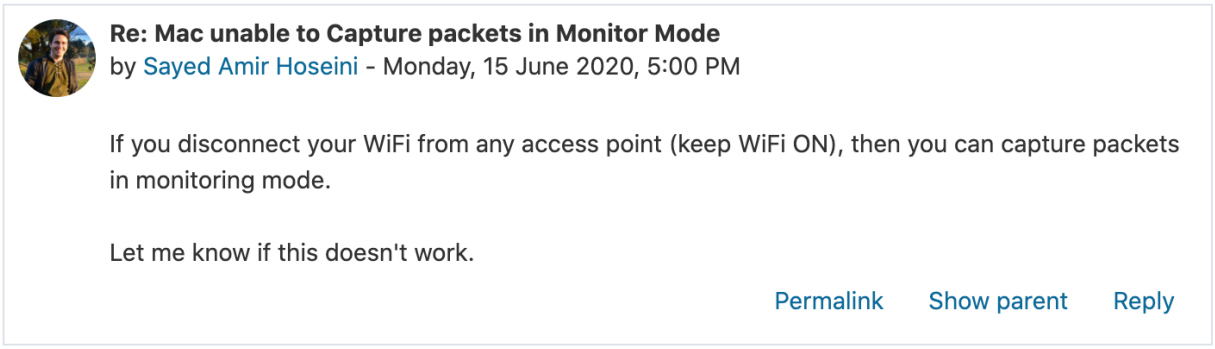
Basically, the ‘Monitor issue’ on macOS can be fixed followed as the method Amir answered in the LAB Discussion Forum.



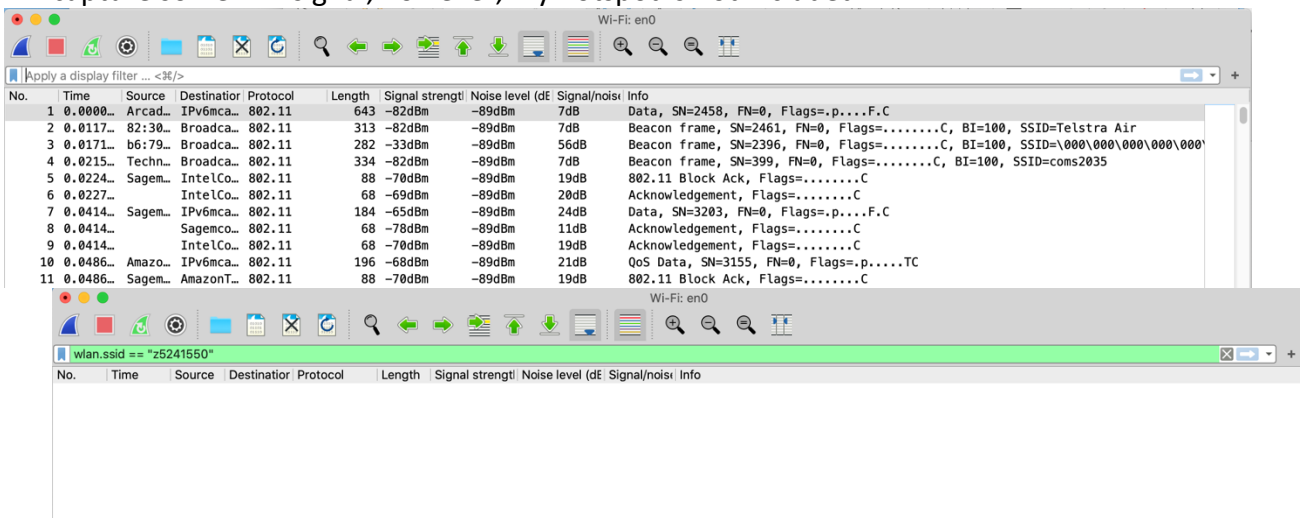
Re: Mac unable to Capture packets in Monitor Mode
by Sayed Amir Hoseini - Monday, 15 June 2020, 5:00 PM

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 Show parent Reply

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.

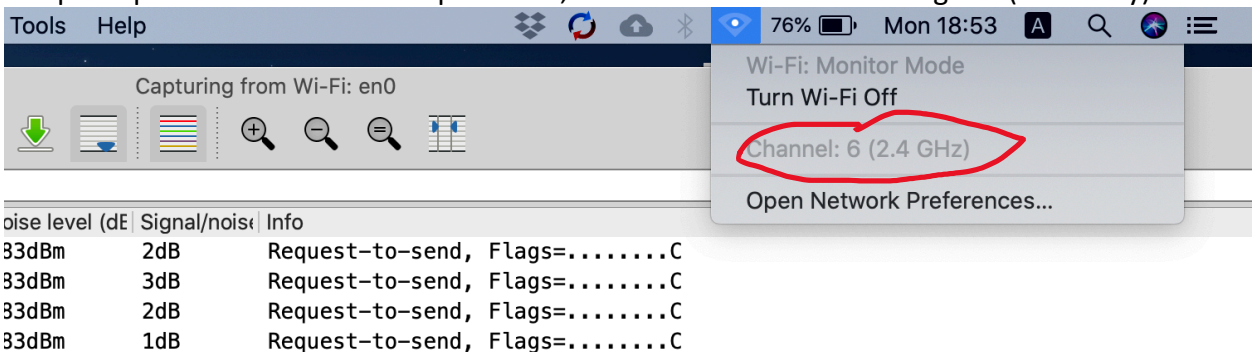


I guess the reason is that wifi channel may be changed occasionally when we disconnect the wifi and try to capture packets, the monitor channel may be changed occasionally as well.

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).



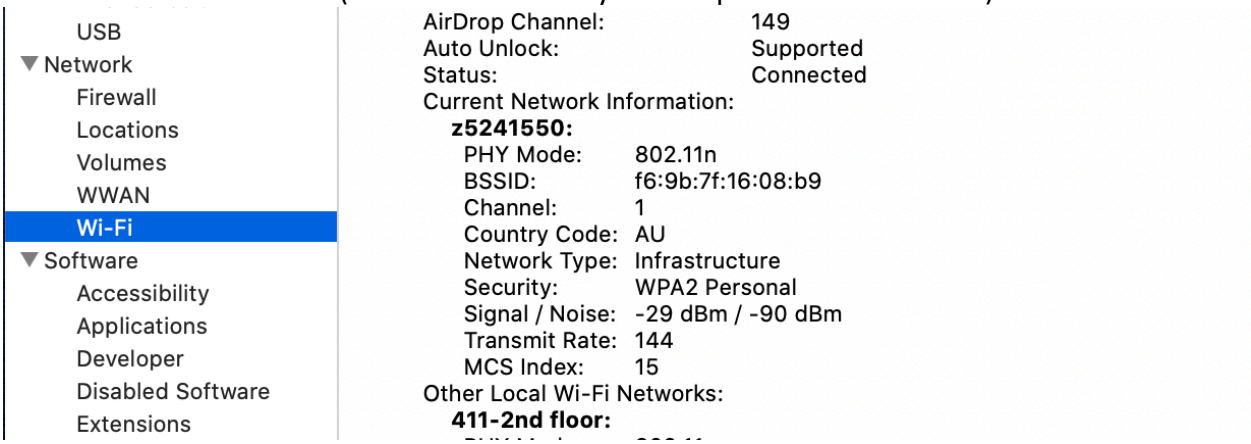
Current Network Information:

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

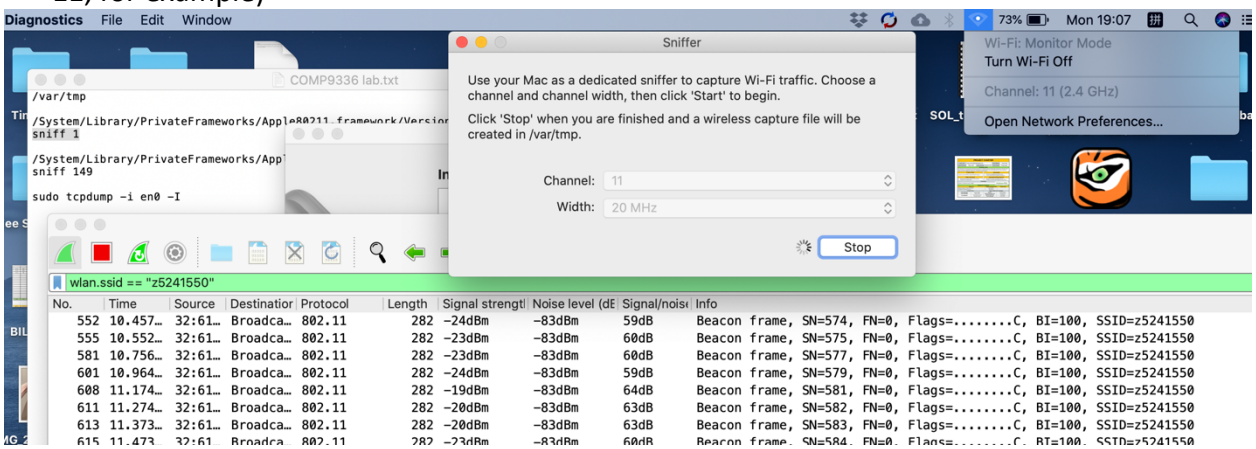
What we need to do is:

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



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)



4. Then open Wireshark to capture the packets.