1. SIP
2. start time: 2.054747; stop time: 14.849996; state: COMPLETED
3. caller: Bob@192.168.1.11; callee: Alice@192.168.1.10
4. 192.168.1.11
5. A picture containing graphical user interface

   Description automatically generated
6. 100
7. source: 5090; destination: 55732
8. rtp
9. (rtp) && !(rtp.version == 0)
10. Text

    Description automatically generatedText

    Description automatically generatedfirst: 6.737123; last: 14.767404; duration: 8.030281s
11. 287.687 bytes
12. Text, letter

    Description automatically generatedchannel type: 802.11g; channel number: 1; bandwidth: 20MHz
13. Text

    Description automatically generated2 GHz
14. Bob: 28:cf:e9:18:b8:4f; Alice: 84:8e:0c:08:20:70; AP: 70:54:d2:92:2d:c1Text

    Description automatically generated
15. The signal was first transmitted from source STA to AP, and then AP to destination STA.
16. Some frames are retransmitted.

Text

Description automatically generated

1. First case is frame retransmitting from STA to AP; second case is frame retransmitting from AP to STA
2. sip; 22

Graphical user interface, text, application

Description automatically generated

1. (sip) && (sip.resend == 0)
2. 70:54:d2:92:2d:c1; UPC850505
3. (wlan.fc.type\_subtype == 0x08) && (wlan\_mgt.ssid == "UPC850505")
4. 160 bytes / 286 bytes = 55.9%; ITU-T G.711 PCMU
5. It transports statistics and information about the RTP packets, providing insights into QoS. Text, letter

   Description automatically generated
6. RTP carries the media payload while SDP describes the session.
7. 1376
8. UDP
9. ECW: the exponential value of the contention window size; If a node senses channel idle for DIFS then start transmitting, if sense channel busy then start random backoff time t (t range from 0 to 2ECWmin-1) and then transmit, if no ACK then double the backoff time and repeat, the maximum backoff time is 2ECWmax-1.
10. Graphical user interface, text, application

    Description automatically generated
11. Graphical user interface, text

    Description automatically generatedThe QoS value being used is inappropriate as the transmitted media is voice and the priority is set to video.
12. 7598, 7603; Alice ended the call
13. from Alice: 817 packets, SSRC: 0x3D9013F9

Graphical user interface, text, application, Word

Description automatically generatedfrom Bob: 811 packets, SSRC: 0x1101AADB

1. (max delay, max jitter, mean jitter):

from Alice: 44.01, 6.15, 2.08 (ms)

from Bob: 43.52, 8.36, 2.82 (ms)

1. from Bob: 7.90s; from Alice: 8.06s;

Welcome to Advanced Wireless Network, congratulations you have made this far.

1. Chart

   Description automatically generated