

# NET3720 - Fall 2021 – Jenkins

## Lab 4 – Autonomous AP Work Group Bridge

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### Lab Objectives:

- Connect Cisco AP to a iPhone hotspot

### Hardware needed:

- Cisco Aironet 3700 AP
- ZYCEL PoE Switch
- USB to RS232 cable
- Computer 1 – Console
- Computer 2- Giving internet to
- iPhone- with hotspot

### Software:

- Console application
  - PuTTY <http://the.earth.li/~sgtatham/putty/latest/x86/putty.exe>
  - Instructions on how to download PuTTY
    - <https://www.weber.edu/CS/remote-access.html>

### Instructions:

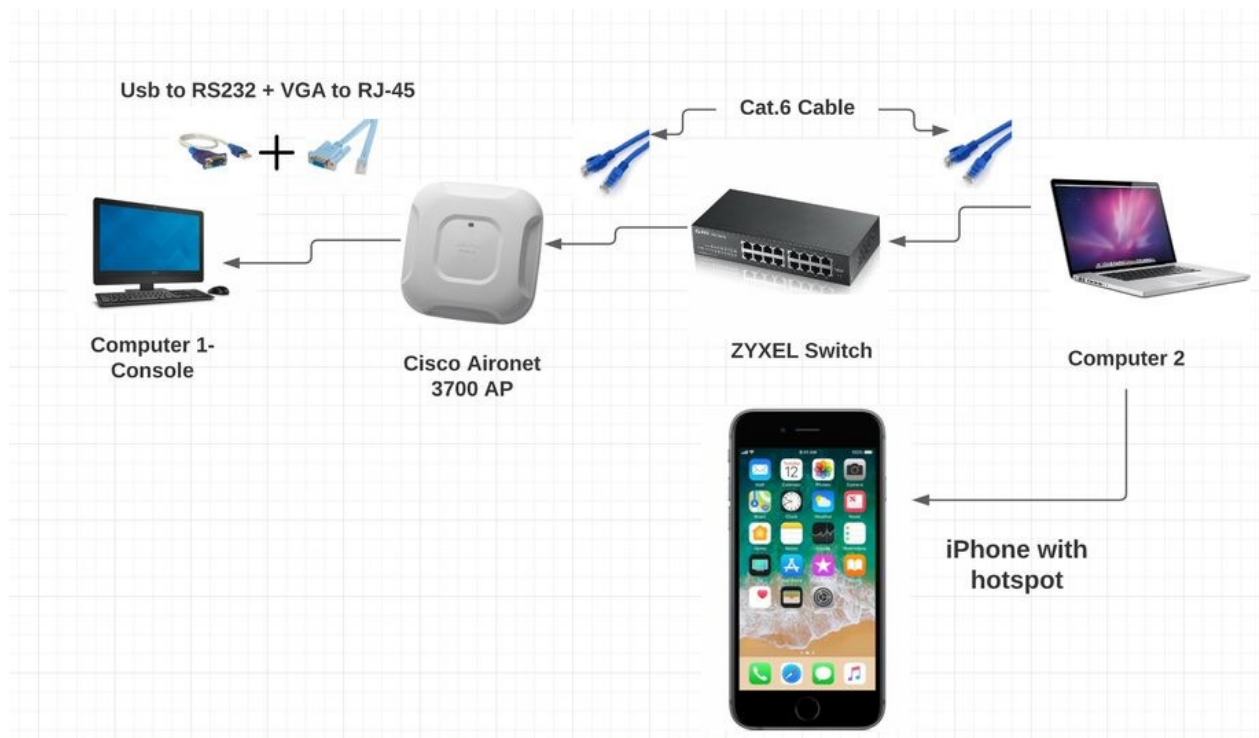
In this lab you will learn how to configure a Cisco AP unit using the CLI. You will also learn how to connect your Cisco AP using you iPhone hotspot.

### Method:

Internet is connected to the ZYXEL switch with Cat.6 cables. The switch is then connected to the Cisco AP unit with Cat.6 cables. In order to configure the AP it needs to be controlled by a computer. You are able to do this with USB to RS232 + VGA to RJ-45, green light on the AP unit means its on. Open up PuTTY and click on **Serial** then type **COM4** and then open.

### Connections:

Connect power to ZYXEL switch. Get cat6 cable one end to **port 5** the other to **computer 2**. Get cat6 cable one end connect to **port 1** the other to **Ethernet** port on Cisco AP device. **Blue** RJ-45 cable to Cisco AP device in blue slot the other end to USB on **Computer 1**. Make sure iPhone hotspot is turned on.



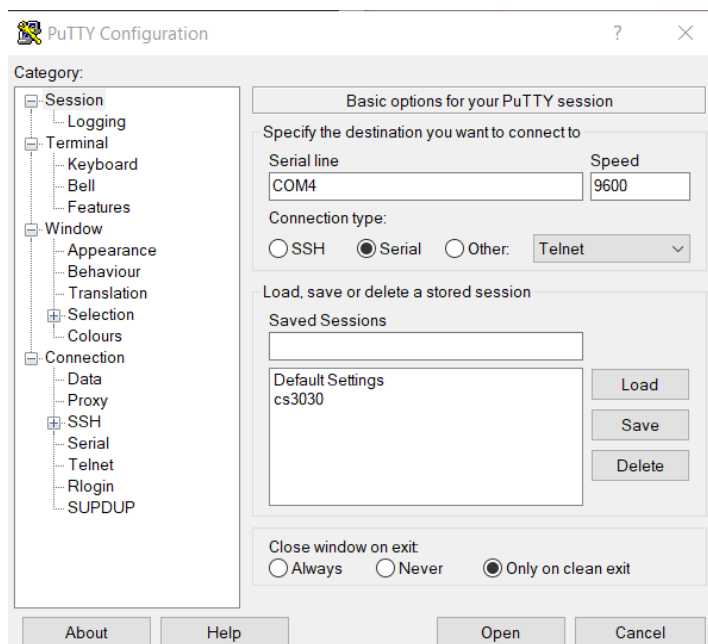
*Illustration 1: Network layout*

Turn on the **ZYXEL switch** on, and make sure the USB is plug and play and picks up on the computer.  
 Go to the **Start** menu on your windows computer  
 click on the **Device Manager**  
 Go down on ports for my device it is on (**COM4**)



*Figure 1: Device Manager getting ports*

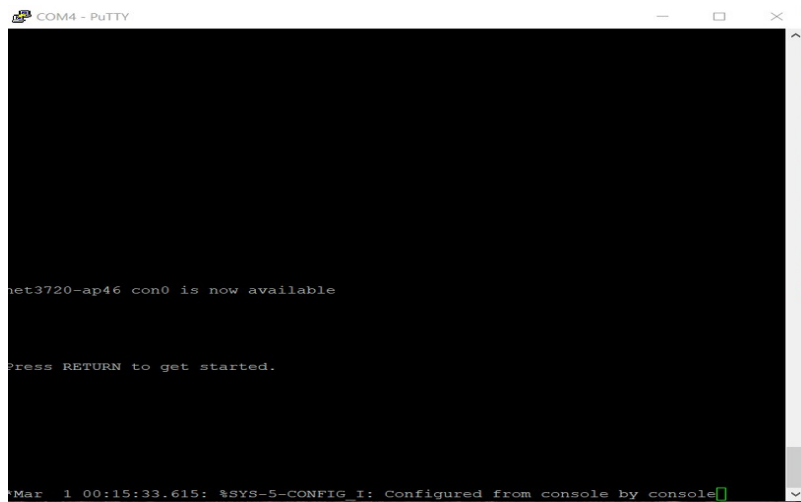
## Open PuTTY Configuration



*Figure 2: PuTTY- Entering COM4*

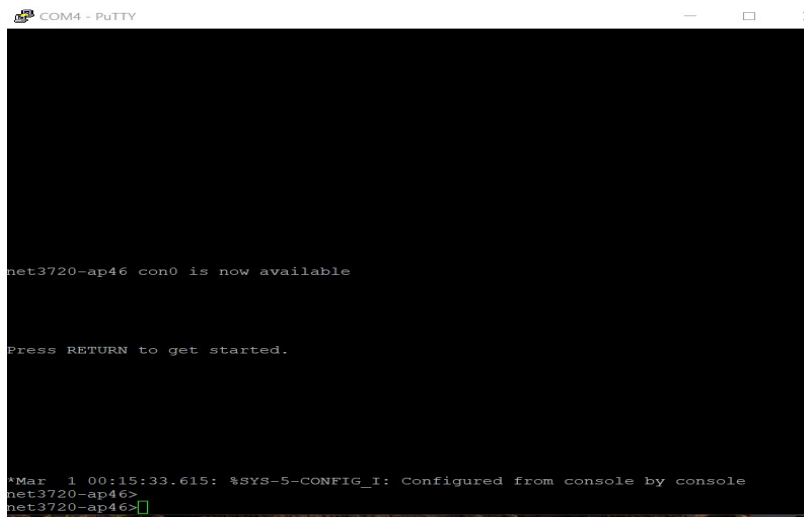
Access Cisco AP  
Click on **Serial**  
on Serial line you put **COM4** (or whatever yours says)  
Speed **9600**  
Then click on **Open**

This is what will show up press **Enter**



*Figure 3: Start up on PuTTY*

This is what will show up when you Press **Enter**



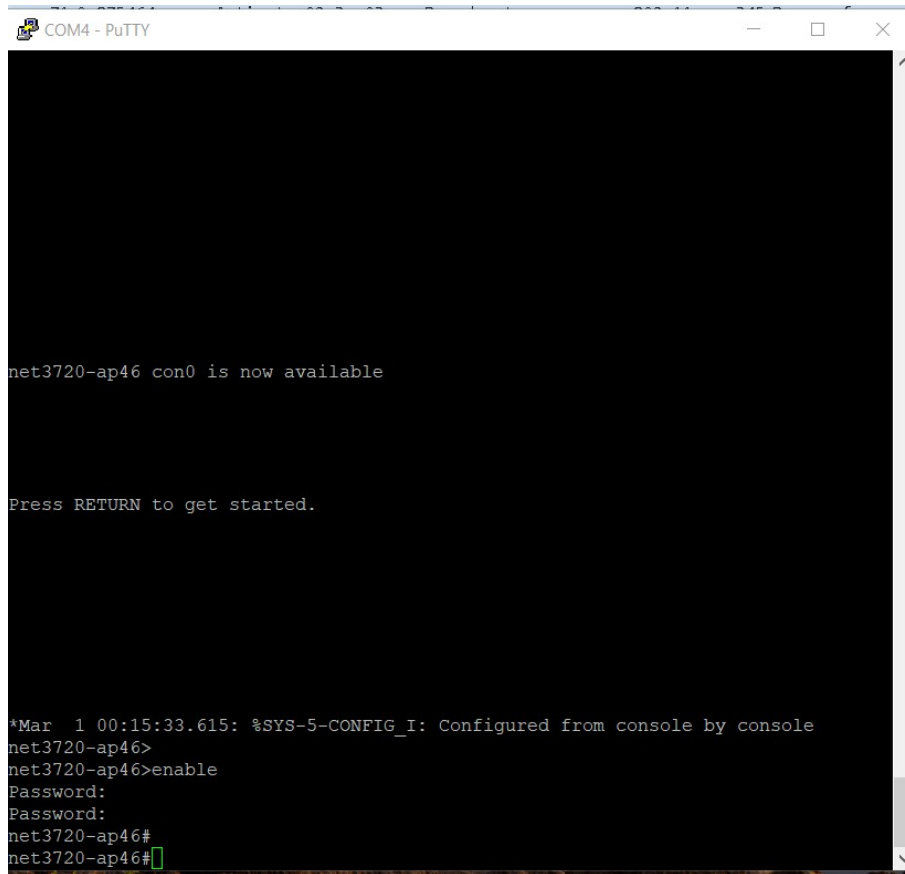
*Figure 4: Press Enter and this is what it should look like*

Type in password: Cisco

Then type enable

```
net3720-ap46> enable
```

```
password: Cisco
```



The screenshot shows a PuTTY terminal window titled 'COM4 - PuTTY'. The terminal output is as follows:

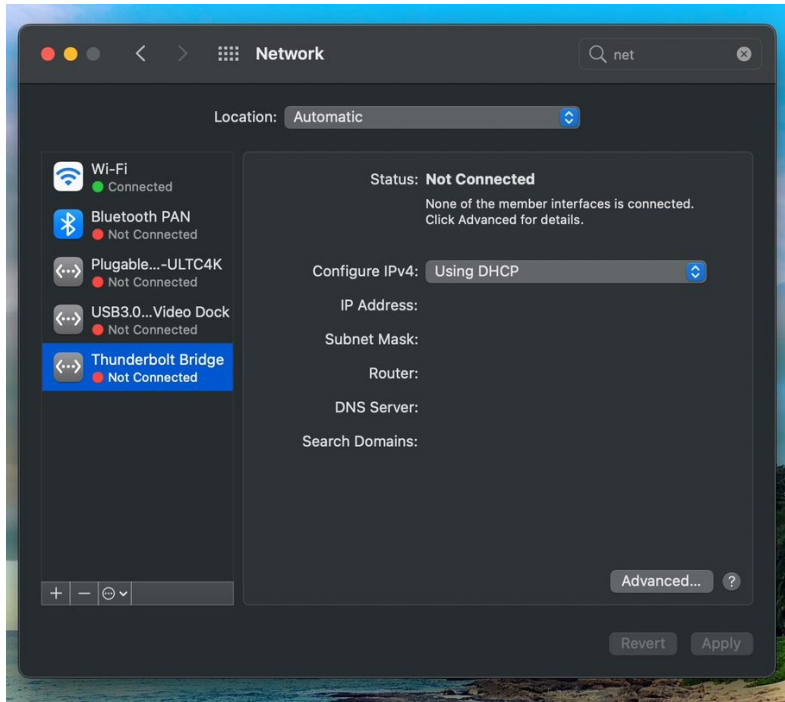
```
net3720-ap46 con0 is now available

Press RETURN to get started.

*Mar  1 00:15:33.615: %SYS-5-CONFIG_I: Configured from console by console
net3720-ap46>
net3720-ap46>enable
Password:
Password:
net3720-ap46#
net3720-ap46#
```

The terminal shows the device has started, prompts for a return key, displays a system message, and then shows the user entering 'enable' and the password 'Cisco' to reach configuration mode, indicated by the '#' prompt.

*Figure 5: Look for the # this shows you are in configuration mode*



With the switch on and the Ethernet cable is plugged into computer 2. Click on the **Thunderbolt Bridge**

Figure 6: MacBook Pro- Network tab

Get the Mac address of computer 2  
click on **Hardware** and you will then see the **MAC Address: 3694.0956.1040** NOTE: Make sure it is formatted this way.

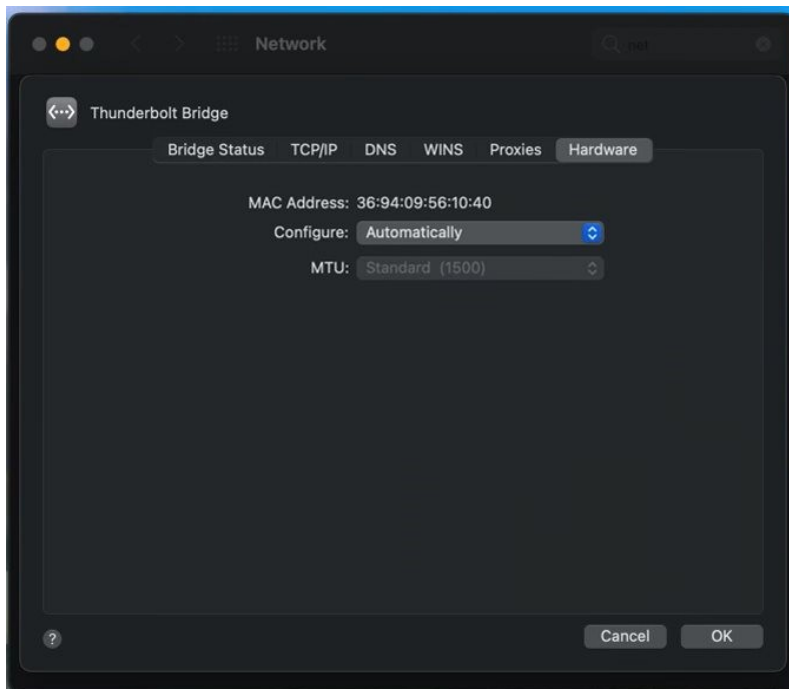


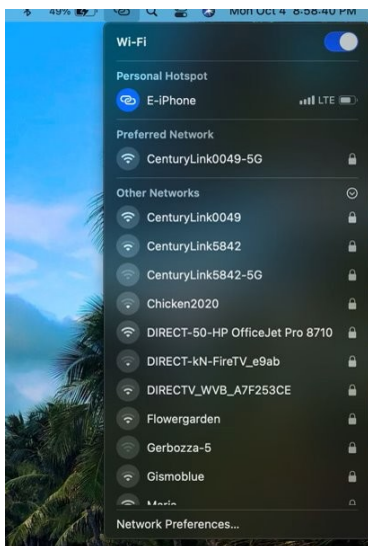
Figure 7: MacBook Pro -Hardware

## Commands:

```
net3720-ap46#config term
net3720-ap46(config)# dot11 ssid **WiFi name** E-iPhone
net3720-ap46(config-ssid)#authentication open
net3720-ap46(config-ssid)#authentication key-management wpa version 2
net3720-ap46(config-ssid)#guest-mode
net3720-ap46(config-ssid)#infrastructure-ssid
net3720-ap46(config-ssid)#wpa-psk ascii 0 **Network password**
net3720-ap46(config-ssid)#exit

net3720-ap46(config)#interface Dot11Radio0
net3720-ap46(config-if)#encryption mode ciphers aes-ccm
net3720-ap46(config-if)#ssid E-iPhone
net3720-ap46(config-if)#station-role workgroup-bridge universal
3694.0956.1040  **The Mac address of Computer 2**
net3720-ap46(config-if)#infrastructure-client
net3720-ap46(config-if)#no shut

net3720-ap46# do show run int d0
--This will print out what SSID you have--
```



You will then be online using the Cisco AP and you will be using the hotspot WiFi

*Figure 8: WiFi Connection*

```

ap#show dot11 ass
ap#show dot11 associations all
ap#show dot11 associations all-client
Address      : 12fb.054f.d795      Name      : NONE
IP Address   : 0.0.0.0             IPv6 Address : FE80::81B:E8BD:DFD6
:49AA
                                           FE80::DAB1:90FF:FE4
3:8BC
                                           FE80::1060:8B21:C7C
6:E891
Gateway Address : 0.0.0.0
Netmask Address : 0.0.0.0          Interface : Dot11Radio 0
Bridge-group    : 0
reap_flags_1    : 0x0             ip_learn_type : 0x0             transient_static_i
p : 0x0
Device          : unknown         Software Version : NONE
CCX Version     : NONE            Client MFP      : Off

State          : Assoc            Parent          : -
SSID           : E-iPhone
VLAN           : 0
Hops to Infra  : -1              Association Id   : 1
Tunnel Address : 0.0.0.0
Key Mgmt type  : WPAv2 PSK        Encryption      : AES-CCMP
Current Rate   : m15-2            Capability      : WMM ShortHdr ShortSlo
t
Supported Rates : 1.0 2.0 5.5 11.0 6.0 9.0 12.0 18.0 24.0 36.0 48.0 54.0 m0-2
m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2 m9-2 m10-2 m11-2 m12-2 m13-2 m14-2 m15-2
Voice Rates    : disabled         Bandwidth       : 20 MHz
Signal Strength : -40 dBm         Connected for   : 120 seconds
Signal to Noise : 38 dB           Activity Timeout : 11 seconds
Power-save     : Off              Last Activity   : 4 seconds ago
Apsd DE AC(s) : NONE

Packets Input  : 1188             Packets Output  : 33
Bytes Input    : 250396           Bytes Output    : 4666
Duplicates Rcvd : 1              Data Retries    : 7
Decrypt Failed : 0               RTS Retries     : 0
MIC Failed     : 0               MIC Missing     : 0

```

Figure 9: show dot11 associations all-client

```
net3720-ap46#show tech-support
```

```
----- show version -----
```

```

Cisco IOS Software, C3700 Software (AP3G2-K9W7-M), Version
15.3(3)JPK2, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2021 by Cisco Systems, Inc.
Compiled Fri 30-Jul-21 01:38 by mcpre

```

```
ROM: Bootstrap program is C3700 boot loader
```

BOOTLDR: C3700 Boot Loader (AP3G2-BOOT-M) LoaderVersion 15.2(4)JB,  
RELEASE SOFTWARE (fc1)

ap uptime is 32 minutes

System returned to ROM by power-on

System image file is "flash:/ap3g2-k9w7-mx.153-3.JPK2/ap3g2-k9w7-  
xx.153-3.JPK2"

Last reload reason:

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption.

Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you

agree to comply with applicable laws and regulations. If you are unable

to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:

<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to

[export@cisco.com](mailto:export@cisco.com).

cisco AIR-SAP3702I-B-K9 (PowerPC) processor (revision A0) with  
376814K/134656K bytes of memory.

Processor board ID FCW1921NWKB

PowerPC CPU at 800Mhz, revision number 0x2151

Last reset from power-on

1 Gigabit Ethernet interface

2 802.11 Radios

32K bytes of flash-simulated non-volatile configuration memory.



Base ethernet MAC Address: D8:B1:90:43:08:BC  
Part Number : 73-15243-01  
PCB Serial Number : FOC19206VT0  
Top Assembly Part Number : 068-100374-02  
Top Assembly Serial Number : FCW1921NWKB  
Top Revision Number : A0  
Product/Model Number : AIR-CAP3702I-B-K9

Configuration register is 0xF

----- show running-config -----

Building configuration...

Current configuration : 1676 bytes  
!  
! Last configuration change at 00:30:10 UTC Mon Mar 1 1993  
version 15.3  
no service pad  
service timestamps debug datetime msec  
service timestamps log datetime msec  
service password-encryption  
!  
hostname ap  
!  
!  
logging rate-limit console 9  
enable secret 5 <removed>  
!  
no aaa new-model  
no ip source-route  
no ip cef  
!  
!  
!  
!

```
dot11 pause-time 100
dot11 syslog
!
dot11 ssid E-iPhone
    authentication open
    authentication key-management wpa version 2
    guest-mode
    infrastructure-ssid
    wpa-psk ascii 7 044F181C5A20561750
!
!
!
no ipv6 cef
!
!
username Cisco password 7 <removed>
!
!
bridge irb
!
!
!
interface Dot11Radio0
    no ip address
    !
    encryption mode ciphers aes-ccm
    !
    ssid E-iPhone
    !
    antenna gain 0
    station-role workgroup-bridge universal 3694.0956.1040
    infrastructure-client
    bridge-group 1
    bridge-group 1 spanning-disabled
!
interface Dot11Radio1
    no ip address
    shutdown
    antenna gain 0
    peakdetect
```

```

no dfs band block
channel dfs
station-role root
bridge-group 1
bridge-group 1 subscriber-loop-control
bridge-group 1 spanning-disabled
bridge-group 1 block-unknown-source
no bridge-group 1 source-learning
no bridge-group 1 unicast-flooding
!
interface GigabitEthernet0
no ip address
duplex auto
speed auto
bridge-group 1
bridge-group 1 spanning-disabled
!
interface BVI1
mac-address d8b1.9043.08bc
ip address dhcp client-id GigabitEthernet0
ipv6 address dhcp
ipv6 address autoconfig
ipv6 enable
!
ip forward-protocol nd
no ip http server
no ip http secure-server
ip http help-path
http://www.cisco.com/warp/public/779/smbiz/prodconfig/help/eag
!
!
bridge 1 route ip
!
!
!
line con 0
line vty 0 4
login local
transport input all
!

```

end

----- show stacks -----

Minimum process stacks:

Free/Size	Name
3092/6000	soap_flash init
5308/6000	CDP BLOB
8212/9000	IP Background
8204/9000	IP Connected Route Background
8260/9000	zephyr AP init Process
1560/3000	Auto AP init Process
5244/6000	Clock Update Proc
5308/6000	Inspect Init Msg
5244/6000	BLE Module Subsys Poll Timer
5236/6000	BLE Module Subsys Commands
5304/6000	dot11 platform init
13292/24000	Init
8304/9000	cdp init process
25304/60000	DPAA INIT
5116/6000	RADIUS INITCONFIG
2312/3000	Rom Random Update Process
5292/6000	Tide Sys Init
4244/6000	RAC I/F Conf.
996/6000	Soap Flash Save Variables
6012/12000	Soap Upgrade fetch Config File

Interrupt level stacks:

Level	Called	Unused/Size	Name
4	1946853	7580/9000	PPC 1023 Generic Error Interrupt
5	0	9000/9000	Timebase Reference Interrupt
6	14933	8932/9000	NS16550 VECTOR
7	485387	8892/9000	M8500_TIMER_INTERRUPT

----- show interfaces -----

BVI1 is up, line protocol is up

```

Hardware is BVI, address is d8b1.9043.08bc (bia d8b1.9043.08bc)
Internet address is 172.20.10.10/28
MTU 1500 bytes, BW 54000 Kbit/sec, DLY 5000 usec,
    reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
ARP type: ARPA, ARP Timeout 04:00:00
Last input 00:00:13, output never, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops:
0
Queueing strategy: fifo
Output queue: 0/0 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
    143 packets input, 31002 bytes, 0 no buffer
    Received 0 broadcasts (0 IP multicasts)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored, 0 abort
    153 packets output, 32064 bytes, 0 underruns
    0 output errors, 0 collisions, 0 interface resets
    0 unknown protocol drops
    0 output buffer failures, 0 output buffers swapped out
Dot11Radio0 is up, line protocol is up
    Hardware is 802.11N 2.4GHz Radio, address is d8b1.9043.08bc (bia
d8b1.9019.fe00)
    MTU 1500 bytes, BW 54000 Kbit/sec, DLY 1000 usec,
        reliability 255/255, txload 1/255, rxload 1/255
    Encapsulation ARPA, loopback not set
    Keepalive set (10 sec)
    ARP type: ARPA, ARP Timeout 04:00:00
    Last input never, output 00:00:00, output hang never
    Last clearing of "show interface" counters never
    Input queue: 1/42878/21/0 (size/max/drops/flushes); Total output
drops: 184
    Queueing strategy: fifo
    Output queue: 0/30 (size/max)
    5 minute input rate 35000 bits/sec, 22 packets/sec
    5 minute output rate 0 bits/sec, 0 packets/sec
        4960 packets input, 1103647 bytes, 0 no buffer

```

```

Received 0 broadcasts (0 IP multicasts)
0 runts, 0 giants, 0 throttles
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
0 input packets with dribble condition detected
120 packets output, 10582 bytes, 0 underruns
0 output errors, 0 collisions, 3 interface resets
0 unknown protocol drops
0 babbles, 0 late collision, 0 deferred
0 lost carrier, 0 no carrier
0 output buffer failures, 0 output buffers swapped out
Dot11Radio1 is administratively down, line protocol is down
  Hardware is 802.11AC 5GHz Radio, address is d8b1.9018.ce60 (bia
d8b1.9018.ce60)
  MTU 1500 bytes, BW 54000 Kbit/sec, DLY 1000 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input never, output never, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/42878/0/0 (size/max/drops/flushes); Total output
drops: 0
  Queueing strategy: fifo
  Output queue: 0/30 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    0 packets input, 0 bytes, 0 no buffer
    Received 0 broadcasts (0 IP multicasts)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
    0 input packets with dribble condition detected
    0 packets output, 0 bytes, 0 underruns
    0 output errors, 0 collisions, 0 interface resets
    0 unknown protocol drops
    0 babbles, 0 late collision, 0 deferred
    0 lost carrier, 0 no carrier
    0 output buffer failures, 0 output buffers swapped out
GigabitEthernet0 is up, line protocol is up
  Hardware is PowerPC Ethernet, address is d8b1.9043.08bc (bia
d8b1.9043.08bc)

```

```

MTU 1500 bytes, BW 1000000 Kbit/sec, DLY 10 usec,
    reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Full Duplex, 1Gbps, media type is T
    output flow-control is unsupported, input flow-control is
unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output never, output hang never
Last clearing of "show interface" counters never
Input queue: 0/42878/0/0 (size/max/drops/flushes); Total output
drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
    0 packets input, 0 bytes, 0 no buffer
    Received 0 broadcasts (0 IP multicasts)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
    0 watchdog, 0 multicast, 0 pause input
    438 packets output, 77756 bytes, 0 underruns
    0 output errors, 0 collisions, 2 interface resets
    0 unknown protocol drops
    0 babbles, 0 late collision, 0 deferred
    0 lost carrier, 0 no carrier, 0 pause output
    0 output buffer failures, 0 output buffers swapped out
Virtual-Dot11Radio0 is up, line protocol is up
    Hardware is Virtual Dot11 interface, address is d8b1.9043.08bc (bia
d8b1.9019.fe00)
    MTU 1500 bytes, BW 54000 Kbit/sec, DLY 1000 usec,
        reliability 255/255, txload 1/255, rxload 1/255
    Encapsulation ARPA, loopback not set
    Keepalive set (10 sec)
    ARP type: ARPA, ARP Timeout 04:00:00
    Last input 00:00:14, output never, output hang never
    Last clearing of "show interface" counters 00:03:59
    Input queue: 3/75/0/0 (size/max/drops/flushes); Total output drops:
0
    Queueing strategy: fifo

```

```
Output queue: 0/30 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  63 packets input, 17710 bytes, 0 no buffer
  Received 83 broadcasts (0 IP multicasts)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 input packets with dribble condition detected
  0 packets output, 0 bytes, 0 underruns
  0 output errors, 0 collisions, 0 interface resets
  0 unknown protocol drops
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier
  0 output buffer failures, 0 output buffers swapped out
```

```
----- show interfaces history -----
```

```
----- show controllers -----
```

BVI controller

!

```
interface Dot11Radio0
Radio BR 2.4GHz, Base Address d8b1.9019.fe00, BBlock version 0.00,
Software version 4.18.2
Serial number: FOC19208CBK
Unused dynamic SDRAM memory: 0x0000A508 (41 KB)
Unused dynamic SDRAM memory: 0x000860D0 (536 KB)
Spectrum FW version: 1.15.4
Number of supported simultaneous BSSID on Dot11Radio0: 16
Carrier Set: Americas (US) (-A)
Uniform Spreading Required: No
Configured Frequency: 2437 MHz Channel 6
Serving Frequency: 2437 MHz Channel 6 20MHz
Allowed Frequencies:
    2412( 1)  2417( 2)  2422( 3)  2427( 4)  2432( 5)
2437( 6)  2442( 7)  2447( 8)  2452( 9)  2457(10)
```



```

2462( 11)
Listen Frequencies:
    2412( 1)  2417( 2)  2422( 3)  2427( 4)  2432( 5)
2437( 6)  2442( 7)  2447( 8)  2452( 9)  2457(10)
    2462(11)  2467(12)  2472(13)  2484(14)
Beacon Flags: 0, Interface Flags 20105, Interface Events 0, Mode 484;
Beacons are disabled; Probes are disabled
Configured TxPower:      23 dBm (Level Index 1)
Allowed Power Levels:      23 20 17 14 11  8  5  2  dBm
Allowed Client Power Levels: 23 20 17 14 11  8  5  2  dBm
Antenna:      Rx[a b c d ]
               Tx[a b c d  cck all ofdm all]
               Internal
               Gain [Allowed 8, In Use 8]  (dBi x 2), In Use 8]
(dBi x 2), In Use 8]  (dBi x 2), In Use 8]  (dBi x 2), Reported 0,
Configured 0, In Use 8]  (dBi x 2)
Active Rates:  basic-1.0 basic-2.0 basic-5.5 basic-11.0 6.0 9.0 12.0
18.0 24.0 36.0 48.0 54.0 m0-2 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2
m9-2 m10-2 m11-2 m12-2 m13-2 m14-2 m15-2
Current Rates:  basic-1.0 basic-2.0 basic-5.5 basic-11.0 6.0 9.0 12.0
18.0 24.0 36.0 48.0 54.0 m0-2 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2
m9-2 m10-2 m11-2 m12-2 m13-2 m14-2 m15-2 m16-2 m17-2 m18-2 m19-2 m20-
2 m21-2 m22-2 m23-2
Allowed Rates:  1.0 2.0 5.5 6.0 9.0 11.0 12.0 18.0 24.0 36.0 48.0
54.0
All Rates:  1.0 2.0 5.5 11.0 6.0 9.0 12.0 18.0 24.0 36.0 48.0 54.0
m0-2 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2 m9-2 m10-2 m11-2 m12-2
m13-2 m14-2 m15-2 m16-2 m17-2 m18-2 m19-2 m20-2 m21-2 m22-2 m23-2
Default Rates:  basic-1.0 basic-2.0 basic-5.5 basic-11.0 6.0 9.0 12.0
18.0 24.0 36.0 48.0 54.0 m0-2 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2
m9-2 m10-2 m11-2 m12-2 m13-2 m14-2 m15-2 m16-2 m17-2 m18-2 m19-2 m20-
2 m21-2 m22-2 m23-2
Best Range Rates:  basic-1.0 2.0 5.5 11.0 6.0 9.0 12.0 18.0 24.0 36.0
48.0 54.0 m0-2 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2 m9-2 m10-2
m11-2 m12-2 m13-2 m14-2 m15-2 m16-2 m17-2 m18-2 m19-2 m20-2 m21-2
m22-2 m23-2
Best Throughput Rates:  basic-1.0 basic-2.0 basic-5.5 basic-11.0
basic-6.0 basic-9.0 basic-12.0 basic-18.0 basic-24.0 basic-36.0
basic-48.0 basic-54.0 m0-2 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2

```

```

m9-2 m10-2 m11-2 m12-2 m13-2 m14-2 m15-2 m16-2 m17-2 m18-2 m19-2 m20-
2 m21-2 m22-2 m23-2
Current Voice Rates:  basic-5.5 basic-11.0 6.0 12.0 24.0 [disabled
until voice packet-discard enabled]
Default Voice Rates:  basic-5.5 basic-11.0 6.0 12.0 24.0
Active Voice Rates:  basic-1.0 basic-2.0 basic-5.5
Managment Rates:  basic-1.0
Multicast Rates:  basic-1.0 basic-2.0 basic-5.5 basic-11.0
  Multicast Active rate: 11.0
RTS Rates:  basic-1.0 basic-2.0 basic-5.5 basic-11.0
RTS Active rate 1.0
RTS Max rate 11.0
  Local Packet Rate Probing is disabled : Packet Size 20
Data Rate Sensitivity (rate, SNR dB, Contention dBm)
( 1.0, 10, -93)    ( 2.0, 10, -92)    ( 5.5, 11, -90)    (11.0, 14, -90)
( 6.0, 15, -89)    ( 9.0, 16, -88)    (12.0, 18, -88)    (18.0, 19, -86)
(24.0, 20, -85)    (36.0, 24, -81)    (48.0, 27, -78)    (54.0, 31, -77)
ERP settings: short slot time, protection mechanisms.
Neighbors in non-erp mode:
  7eb0.6647.a730 8c0f.6fe5.83b8 9a0f.6fe5.83b8 a60f.6fe5.83b8
CVBF: Enabled in IOS, radio FW bfmr flags 0x0 (enabled)
TX A-MPDU Priority: 0x31 A-MSDU Priority 0x3F
Data padding: disabled ; Size - 0
  RIFS 0
Guard-Interval: Any
HT protection: HT (no protection), non-HT neighbor present.
Neighbors with non-HT members:
  a42b.8c15.6619 12fb.054f.d795 f6c1.14b7.cc18 f6c1.14b7.cc1a
acdb.4847.b830 f6c1.14b7.cc1c
Number of MFP Indices: 10
Driver tx timeout:60
QOS Tag Status: disabled

AuthIEEnabled DS: 0
  AuthEnabled reg: 0
RFID Tag Detection: Disabled
Multicast Address filtered:
Packet type filtered:
00 0C rm_scn
Probe limit: active off, filter on, count 0, time 0

```

```

Assoc limit: active off, count 0, time 0
GAS Req limit: active off, count 0, time 0
Radio Management (RM) Configuration: Regular 0x484, Mode 1, Disabled
ELM Disabled, Host State:Off Promiscuous Mode dwelling 0 %
Uplink: Done
Uplink: stationary, Signal Threshold 70 dBm, Scan Time 20 seconds

MCST RSCs: [0]0x0 [1]0x0 [2]0x0 [3]0x0 [4]0x0 [5]0x0 [6]0x0 [7]0x0
[8]0x5F
TKIP Cum Stats: STA          MIC-L-Errs MIC-R-Errs Replay    C-
Measure
                0000.0000.0000 00000000    00000000    00000000
00000000
AES-CCMP Cum Stats: 00000000 replays discarded
Channel Utilization Extensions: Disabled
  SMPS Mode: Enabled
QBSS Load: 0x0 Tx 0 Rx 0 AP 0
  EDCA Turbo Off Thresholds 60 10 4, Policing Stats: Rx downgrades 0,
Tx downgrades 0
Classifier Stats tx_on_up6  0, tx_on_up4 0
Configured Local Access Class Parameters
  Back      : cw-min 4 cw-max 10 fixed-slot 7 admission-control Off
txop 0
  Best      : cw-min 4 cw-max 6 fixed-slot 3 admission-control Off
txop 0
  Video     : cw-min 3 cw-max 4 fixed-slot 1 admission-control Off
txop 3008
  Voice     : cw-min 2 cw-max 3 fixed-slot 1 admission-control Off
txop 1504
Configured Local Custom Access Class Parameters
  Back      : cw-min 4 cw-max 10 fixed-slot 7 admission-control Off
txop 0
  Best      : cw-min 1 cw-max 2 fixed-slot 1 admission-control Off
txop 0
  Video     : cw-min 3 cw-max 4 fixed-slot 1 admission-control Off
txop 3008
  Voice     : cw-min 2 cw-max 3 fixed-slot 1 admission-control Off
txop 1504
Configured Cell Access Class Parameters

```

```

Back      : cw-min 4 cw-max 10 fixed-slot 7 admission-control Off
txop 0
Best      : cw-min 4 cw-max 10 fixed-slot 3 admission-control Off
txop 0
Video     : cw-min 3 cw-max 4 fixed-slot 2 admission-control Off
txop 3008
Voice     : cw-min 2 cw-max 3 fixed-slot 2 admission-control Off
txop 1504

```

#### Active Access Class Parameters

```

Back      : cw-min 4 cw-max 10 fixed-slot 7 admission-control Off
txop 0
Best      : cw-min 4 cw-max 10 fixed-slot 3 admission-control Off
txop 0
Video     : cw-min 3 cw-max 4 fixed-slot 2 admission-control Off
txop 3008
Voice     : cw-min 2 cw-max 3 fixed-slot 2 admission-control Off
txop 1504

```

```

SIP stats sip_udp_rx_pkt 0, sip_tcp_rx_pkt 0,downlink classified_pkt
0,uplink classified_pkt 0,num_processed_SIP_Calls 0

```

BA Info: Lost List Count: 0 Head:0

Off Channel Rdy 0 Done 0 0 0

```

Transmit queues: Limit 13919 Current 0 In-Progress 0 ACQ inserts 124
deletes 124 reins 0

```

---- Active ----- In-Progress ----- Counts

```

-----
          Cnt  Quo  Bas  Max  Cl  Cnt  Quo  Bas          Sent  Discard
Fail  Retry  Multi
Uplink  0   64   0   0   0   0   5   0           69         0
0       0     0
Voice   0  512   0   0   0   0  60   0           18         0
0       0     0
Video   0 1024   0   0   0   0 200   0            0         0
0       0     0
Best    0 1024   0   0   0   0 200   0           33         0
0       3     1
MC0     0   0   0   0   0   0  50   0            0         0
0       0     0
Back    0  128   0   0   0   0  35   0            0         0
0       0     0

```

```

BSSIDS Index Flags State Next Held Defer NonDefer Clients Tsfc Dtim
Txq Vlan
    08BC      0    00      0    0    0    0      0      0    0    2
0e 8E688D4
Driver TX blocks: Realign - 0
Off Channel Stats: Last Duration 0, Errors: Timeouts 0 Tx 0 Intr 0
---Clients 0 AID VLAN Status:S/I/B/A Age TxQ-R(A) Mode Enc Key Rate
Mask Tx Rx BVI Split-ACL Client-ACL WebAuth-ACL L2-
ACL O-VLAN
12fb.054f.d795 1 1 31 104 000 03E 4 0-0 (0) 13B1 204 0-10
1EFFFFFFF00000000000 020F 20F - - - - - 0
RxPkts KBytes Dup Dec Mic Txc TxPkts KBytes
Retry RSSI SNR Fail BAfail KeySetTs KeyClearTs1 Ts2 key
12fb.054f.d795 2336 490 1 0 0 0 41 6
7 41 44 0 0/0/0/0 6583D6F1 00000000 00000000
Agr TxLt TxRP St ACQ/TW TxACQ Stats
12fb.054f.d795 p0 32 74 0 0 1 1 0 37 37 0 0 0

12fb.054f.d795 p1 20 30 0 0 1 1 0 0 0 0 0 0 0

12fb.054f.d795 p2 20 30 0 0 1 1 0 0 0 0 0 0 0

12fb.054f.d795 p3 20 74 0 0 1 1 0 0 0 0 0 0 0

12fb.054f.d795 p4 20 30 0 0 1 1 0 0 0 0 0 0 0

12fb.054f.d795 p5 20 30 0 0 1 1 0 0 0 0 0 0 0

12fb.054f.d795 p6 20 30 0 0 1 1 0 10 10 0 0 0

12fb.054f.d795 p7 20 30 0 0 1 1 0 8 8 0 0 0

Tx Params Pri BA TxLt AggrSz MaxL AvgL
12fb.054f.d795 0 4 74 32 48672 1500
12fb.054f.d795 1 0 30 20 48672 0
12fb.054f.d795 2 0 30 20 48672 0
12fb.054f.d795 3 0 74 20 48672 0
12fb.054f.d795 4 1 30 20 48672 0
12fb.054f.d795 5 1 30 20 48672 0
12fb.054f.d795 6 0 30 20 48672 0

```

```

12fb.054f.d795 7 0 30 20 48672 0
              (Client) MaxPri DefUniPri DefMultPri WiredProt
12fb.054f.d795 0 0 0 0
              IP Address Pauses Idle RateTx RateDataTx
RSC SGT
12fb.054f.d795 172.20.10.11 00000 000000 0 0 [0]0xD
[1]0xB [6]0x3 0
      Block Ack Pri, Rcv Wind Timeout SeqNum Held, Xmt Wind Timeout
12fb.054f.d795 0 64 0 A0 0 64 0
4, 0 0 0
12fb.054f.d795 1 64 0 30 0
12fb.054f.d795 4 0 0
1, 0 0 0
12fb.054f.d795 5 0 0
1, 0 0 0
      LBF Indx BfPkts NbfPkts BfTmr PktCnt
12fb.054f.d795 RIA 1 24 22 4 0
MVL Req=1, In=1
Video Report: Cnt Rate Retries/Tot
8021x auth in prog 0 allowed 0

```

#### AID Hold list

```

radio vap id mac          ssid          state
0 0 D8:B1:90:43:08:BC D8:B1:90:43:08:BC D8:B1:90:43:08:BC
D8:B1:90:43:08:BC D8:B1:90:43:08:BC D8:B1:90:43:08:BC
D8:B1:90:43:08:BC D8:B1:90:43:08:BC D8:B1:90:43:08:BC
D8:B1:90:43:08:BC D8:B1:90:43:08:BC D8:B1:90:43:08:BC
D8:B1:90:43:08:BC D8:B1:90:43:08:BC D8:B1:90:43:08:BC
D8:B1:90:43:08:BC D8:B1:90:43:08:BC E-iPhone

```

UP

```

Vlan BSSID Clients PSP Pri/U/M HT Flags/Encr Key0 Key1 Key2 Key3
iGTK SSIDs MFP
  On 08BC 0 0 0 0 0 0 214214 2 x128 DIS
vap id ssid          Bridging Type
0 E-iPhone          CAPWAP-Tunneled

```

#### Packet Tx (in radio) Metrics

```

Max Stuck time: Normal 0 MC 0 Off Channel 0
Stuck Cnt          Normal MC Off Channel
Paks > 30 Secs    0 0 0

```

Paks > 20 Secs	0	0	0
Paks > 15 Secs	0		
Paks > 10 Secs	0	0	0
Paks > 5 Secs	0		
Paks > 1 Secs	0	0	0

Tx in radio (non zero) metrics

poison_count	0
block_free_count	0
client_null_count	0

PakTimeout:0

Protocol 22D5

Radio MAC SoC ID: 54, Rev: 1

Data Offsets: 8 76, 12 - 14, 20 - 10

3F310458 00000005 0000006C

00000000 00040000 103B0000 00000000 FFFFFFFF

00000000 003FE000 00000000 FFFFFFFF 53185 0

Tx rdy 1F310BF4 (1F31080C - 1F3125BC) Cnt 125

1F31080C:	3807342C	F3	3806F52C	F3	3807B22C	F3	3806E02C	F3
	3807732C	F3	3807262C	F3	3807B92C	F3	3807812C	F3
1F31084C:	3807FF2C	F3	38079D2C	F3	3806D22C	F3	3807572C	F3
	38073B2C	F3	3807112C	F3	3807502C	F3	38078F2C	F3
1F31088C:	3807032C	F3	3807422C	F3	3807CE2C	F3	3807492C	F3
	3807882C	F3	38075E2C	F3	38012444	F3	3807652C	F3
1F3108CC:	3807342C	F3	3806F52C	F3	3807B22C	F3	3806E02C	F3
	3807732C	F3	3807262C	F3	3807B92C	F3	3807812C	F3
1F31090C:	3807FF2C	F3	38079D2C	F3	3806D22C	F3	3807572C	F3
	38073B2C	F3	3807112C	F3	3807502C	F3	38078F2C	F3
1F31094C:	3807032C	F3	3807422C	F3	3807CE2C	F3	3807492C	F3
	3807882C	F3	38075E2C	F3	3801179C	F3	3807652C	1F3
1F31098C:	3E7C054C	173	3807342C	F3	3806F52C	F3	3807B22C	F3
	3806E02C	F3	3807732C	F3	3807262C	F3	3807B92C	F3
1F3109CC:	3807812C	F3	3807FF2C	F3	38079D2C	F3	3806D22C	F3
	3807572C	F3	38073B2C	F3	3807112C	F3	3807502C	F3
1F310A0C:	38078F2C	F3	3807032C	F3	3807422C	F3	3807CE2C	F3
	3807492C	F3	3807882C	F3	3800882C	F3	38075E2C	1F3
1F310A4C:	3E7BAF2C	173	3E7BA468	173	3801287C	1F3	380129C4	103
	38011A64	183	3807810C	103	3807570C	103	3801069C	103
1F310A8C:	38013234	103	3800F9F4	103	3801366C	103	38012424	103
	38078F0C	103	3807CE0C	103	3801177C	103	3801177C	103

1F310ACC:	3801177C	103	3801177C	103	3801177C	103	3E791460	1F3
3807880C	103	380114AC	103	38014CC4	103	380156CC	103	
1F310B0C:	38010F14	163	3807B20C	103	3807650C	103	3807FF0C	103
3E518CB0	1F3	3807810C	103	3807570C	103	38010F14	163	
1F310B4C:	38078F0C	103	38010F14	163	38010F14	163	38010F14	163
3807CE0C	103	3807880C	103	3806E00C	103	3807810C	103	
1F310B8C:	3807730C	103	38010F14	163	38010F14	163	3807B90C	103
38010F14	163	38010F14	163	38010F14	163	38079D0C	103	
1F310BCC:	3807110C	103	3807420C	103	3807CE0C	103	3807260C	103
38010F14	163		0	0	0	0	0	0
1F310C0C:		0	0		0	0		0
0	0		0	0		0	0	
1F310C4C:		0	0		0	0		0
0	0		0	0		0	0	
1F310C8C:		0	0		0	0		0
0	0		0	0		0	0	
1F310CCC:		0	0		0	0		0
0	0		0	0		0	0	
1F310D0C:		0	0		0	0		0
0	0		0	0		0	0	
1F310D4C:		0	0		0	0		0
0	0		0	0		0	0	
1F310D8C:		0	0		0	0		0
0	0		0	0		0	0	
1F310DCC:		0	0		0	0		0
0	0		0	0		0	0	
1F310E0C:		0	0		0	0		0
0	0		0	0		0	0	
1F310E4C:		0	0		0	0		0
0	0		0	0		0	0	
1F310E8C:		0	0		0	0		0
0	0		0	0		0	0	
1F310ECC:		0	0		0	0		0
0	0		0	0		0	0	
1F310F0C:		0	0		0	0		0
0	0		0	0		0	0	
1F310F4C:		0	0		0	0		0
0	0		0	0		0	0	
1F310F8C:		0	0		0	0		0
0	0		0	0		0	0	



1F310FCC:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31100C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31104C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31108C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F3110CC:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31110C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31114C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31118C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F3111CC:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31120C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31124C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31128C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F3112CC:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31130C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31134C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31138C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F3113CC:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31140C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31144C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0
1F31148C:	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0

1F3114CC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31150C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31154C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31158C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3115CC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31160C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31164C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31168C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3116CC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31170C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31174C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31178C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3117CC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31180C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31184C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31188C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3118CC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31190C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31194C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31198C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0

1F3119CC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311A0C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311A4C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311A8C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311ACC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311B0C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311B4C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311B8C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311BCC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311C0C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311C4C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311C8C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311CCC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311D0C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311D4C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311D8C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311DCC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311E0C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311E4C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F311E8C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		

1F311ECC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F311F0C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F311F4C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F311F8C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F311FCC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31200C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31204C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31208C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3120CC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31210C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31214C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31218C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3121CC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31220C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31224C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31228C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3122CC:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31230C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31234C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F31238C:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0

```

1F3123CC:      0      0      0      0      0      0      0      0
0      0      0      0      0      0      0      0
1F31240C:      0      0      0      0      0      0      0      0
0      0      0      0      0      0      0      0
1F31244C:      0      0      0      0      0      0      0      0
0      0      0      0      0      0      0      0
1F31248C:      0      0      0      0      0      0      0      0
0      0      0      0      0      0      0      0
1F3124CC:      0      0      0      0      0      0      0      0
0      0      0      0      0      0      0      0
1F31250C:      0      0      0      0      0      0      0      0
0      0      0      0      0      0      0      0
1F31254C:      0      0      0      0      0      0      0      0
0      0      0      0      0      0      0      0
1F31258C:      0      0      0      0      0      0      0      0
0      0      0      0
HOST IRQ Recovered Count:0 pci_recover:0
Off Channel rdy 1F313494 (1F313494 - 1F313534)
1F313494:      0      0      0      0      0      0      0      0
0      0
1F313514:      0      0
Off Channel done 1F313534 (1F313534 - 1F3135D4)
1F313534:      0      0      0      0      0      0      0      0
0      0
1F3135B4:      0      0
Tx done 1F3125BC, current 1F3127B8 Cnt 127 TS 75F53819 0 0 Ptr 0 0

1F3125BC:      0      0      0      0      0      0      0      0
0
1F3125DC:      0      0      0      0      0      0      0      0
0
1F3125FC:      0      0      0      0      0      0      0      0
0
1F31261C:      0      0      0      0      0      0      0      0
0
1F31263C:      0      0      0      0      0      0      0      0
0
1F31265C:      0      0      0      0      0      0      0      0
0

```

1F31267C:	0	0	0	0	0	0	0
0							
1F31269C:	0	0	0	0	0	0	0
0							
1F3126BC:	0	0	0	0	0	0	0
0							
1F3126DC:	0	0	0	0	0	0	0
0							
1F3126FC:	0	0	0	0	0	0	0
0							
1F31271C:	0	0	0	0	0	0	0
0							
1F31273C:	0	0	0	0	0	0	0
0							
1F31275C:	0	0	0	0	0	0	0
0							
1F31277C:	0	0	0	0	0	0	0
0							
1F31279C:	0	0	0	0	0	0	0
0							
1F3127BC:	0	0	0	0	0	0	0
0							
1F3127DC:	0	0	0	0	0	0	0
0							
1F3127FC:	0	0	0	0	0	0	0
0							
1F31281C:	0	0	0	0	0	0	0
0							
1F31283C:	0	0	0	0	0	0	0
0							
1F31285C:	0	0	0	0	0	0	0
0							
1F31287C:	0	0	0	0	0	0	0
0							
1F31289C:	0	0	0	0	0	0	0
0							
1F3128BC:	0	0	0	0	0	0	0
0							
1F3128DC:	0	0	0	0	0	0	0
0							

1F3128FC:	0	0	0	0	0	0	0
0							
1F31291C:	0	0	0	0	0	0	0
0							
1F31293C:	0	0	0	0	0	0	0
0							
1F31295C:	0	0	0	0	0	0	0
0							
1F31297C:	0	0	0	0	0	0	0
0							
1F31299C:	0	0	0	0	0	0	0
0							
1F3129BC:	0	0	0	0	0	0	0
0							
1F3129DC:	0	0	0	0	0	0	0
0							
1F3129FC:	0	0	0	0	0	0	0
0							
1F312A1C:	0	0	0	0	0	0	0
0							
1F312A3C:	0	0	0	0	0	0	0
0							
1F312A5C:	0	0	0	0	0	0	0
0							
1F312A7C:	0	0	0	0	0	0	0
0							
1F312A9C:	0	0	0	0	0	0	0
0							
1F312ABC:	0	0	0	0	0	0	0
0							
1F312ADC:	0	0	0	0	0	0	0
0							
1F312AFC:	0	0	0	0	0	0	0
0							
1F312B1C:	0	0	0	0	0	0	0
0							
1F312B3C:	0	0	0	0	0	0	0
0							
1F312B5C:	0	0	0	0	0	0	0
0							

1F312B7C:	0	0	0	0	0	0	0
0							
1F312B9C:	0	0	0	0	0	0	0
0							
1F312BBC:	0	0	0	0	0	0	0
0							
1F312BDC:	0	0	0	0	0	0	0
0							
1F312BFC:	0	0	0	0	0	0	0
0							
1F312C1C:	0	0	0	0	0	0	0
0							
1F312C3C:	0	0	0	0	0	0	0
0							
1F312C5C:	0	0	0	0	0	0	0
0							
1F312C7C:	0	0	0	0	0	0	0
0							
1F312C9C:	0	0	0	0	0	0	0
0							
1F312CBC:	0	0	0	0	0	0	0
0							
1F312CDC:	0	0	0	0	0	0	0
0							
1F312CFC:	0	0	0	0	0	0	0
0							
1F312D1C:	0	0	0	0	0	0	0
0							
1F312D3C:	0	0	0	0	0	0	0
0							
1F312D5C:	0	0	0	0	0	0	0
0							
1F312D7C:	0	0	0	0	0	0	0
0							
1F312D9C:	0	0	0	0	0	0	0
0							
1F312DBC:	0	0	0	0	0	0	0
0							
1F312DDC:	0	0	0	0	0	0	0
0							



1F312DFC:	0	0	0	0	0	0	0
0							
1F312E1C:	0	0	0	0	0	0	0
0							
1F312E3C:	0	0	0	0	0	0	0
0							
1F312E5C:	0	0	0	0	0	0	0
0							
1F312E7C:	0	0	0	0	0	0	0
0							
1F312E9C:	0	0	0	0	0	0	0
0							
1F312EBC:	0	0	0	0	0	0	0
0							
1F312EDC:	0	0	0	0	0	0	0
0							
1F312EFC:	0	0	0	0	0	0	0
0							
1F312F1C:	0	0	0	0	0	0	0
0							
1F312F3C:	0	0	0	0	0	0	0
0							
1F312F5C:	0	0	0	0	0	0	0
0							
1F312F7C:	0	0	0	0	0	0	0
0							
1F312F9C:	0	0	0	0	0	0	0
0							
1F312FBC:	0	0	0	0	0	0	0
0							
1F312FDC:	0	0	0	0	0	0	0
0							
1F312FFC:	0	0	0	0	0	0	0
0							
1F31301C:	0	0	0	0	0	0	0
0							
1F31303C:	0	0	0	0	0	0	0
0							
1F31305C:	0	0	0	0	0	0	0
0							

1F31307C:	0	0	0	0	0	0	0
0							
1F31309C:	0	0	0	0	0	0	0
0							
1F3130BC:	0	0	0	0	0	0	0
0							
1F3130DC:	0	0	0	0	0	0	0
0							
1F3130FC:	0	0	0	0	0	0	0
0							
1F31311C:	0	0	0	0	0	0	0
0							
1F31313C:	0	0	0	0	0	0	0
0							
1F31315C:	0	0	0	0	0	0	0
0							
1F31317C:	0	0	0	0	0	0	0
0							
1F31319C:	0	0	0	0	0	0	0
0							
1F3131BC:	0	0	0	0	0	0	0
0							
1F3131DC:	0	0	0	0	0	0	0
0							
1F3131FC:	0	0	0	0	0	0	0
0							
1F31321C:	0	0	0	0	0	0	0
0							
1F31323C:	0	0	0	0	0	0	0
0							
1F31325C:	0	0	0	0	0	0	0
0							
1F31327C:	0	0	0	0	0	0	0
0							
1F31329C:	0	0	0	0	0	0	0
0							
1F3132BC:	0	0	0	0	0	0	0
0							
1F3132DC:	0	0	0	0	0	0	0
0							

1F3132FC:	0	0	0	0	0	0	0
0							
1F31331C:	0	0	0	0	0	0	0
0							
1F31333C:	0	0	0	0	0	0	0
0							
1F31335C:	0	0	0	0	0	0	0
0							
1F31337C:	0	0	0	0	0	0	0
0							
1F31339C:	0	0	0	0	0	0	0
0							
1F3133BC:	0	0	0	0	0	0	0
0							
1F3133DC:	0	0	0	0	0	0	0
0							
1F3133FC:	0	0	0	0	0	0	0
0							
1F31341C:	0	0	0	0	0	0	0
0							
1F31343C:	0	0	0	0	0	0	0
0							
1F31345C:	0	0	0	0	0	0	0
0							
1F31347C:	0	0	0	0	0	0	

Rcv rdy 1F3135D4, current 1F31370C

1F3135D4: 1E7CA760 1E51A224 1E7C91D8 1E519760 1E7C7C50 1E7C8714  
1E7C66C8 1E7C5C04  
1F3135F4: 1E7C718C 1E7C467C 1E518C9C 1E7C3BB8 1E7C2630 1E7C30F4  
1E517714 1E7C10A8  
1F313614: 1E7C05E4 1E7617F0 1E50B54C 1E7BE598 1E7BDAD4 1E7BD010  
1E7BC54C 1E7BBA88  
1F313634: 1E7BAFC4 1E7BA500 1E7B8F78 1E7B84B4 1E7B79F0 1E7B6F2C  
1E7A7790 1E78A8A4  
1F313654: 1E7B4EE0 1E7B441C 1E7B3958 1E7B2E94 1E7B23D0 1E7B190C  
1E7B0E48 1E7B0384  
1F313674: 1E7AF8C0 1E7AEDFC 1E7AE338 1E7AD874 1E7ACDB0 1E7AC2EC  
1E7AB828 1E7AAD64

1F313694: 1E7AA2A0 1E7A97DC 1E7B9A3C 1E516C50 1E780728 1E7A6CCC  
1E7A6208 1E7A5744  
1F3136B4: 1E7A4C80 1E7A41BC 1E7A36F8 1E7A2C34 1E7A2170 1E7A16AC  
1E7A0BE8 1E514140  
1F3136D4: 1E79F660 1E79EB9C 1E79E0D8 1E79D614 1E79CB50 1E79C08C  
1E79B5C8 1E79AB04  
1F3136F4: 1E79A040 1E79957C 1E798AB8 1E51367C 1E797530 1E796A6C  
1E795FA8 1E7954E4  
1F313714: 1E794A20 1E793F5C 1E793498 1E7A8254 1E5120F4 1E510B6C  
1E5100A8 1E50F5E4  
1F313734: 1E78F400 1E78E93C 1E78DE78 1E78D3B4 1E78C8F0 1E78BE2C  
1E7A8D18 1E7872D0  
1F313754: 1E789DE0 1E78931C 1E788858 1E787D94 1E50EB20 1E78680C  
1E785D48 1E785284  
1F313774: 1E7847C0 1E783CFC 1E783238 1E782774 1E781CB0 1E7811EC  
1E762D78 1E77FC64  
1F313794: 1E50D598 1E77E6DC 1E77DC18 1E77D154 1E77C690 1E77BBCC  
1E77B108 1E77A644  
1F3137B4: 1E779B80 1E50CAD4 1E50C010 1E777B34 1E777070 1E7765AC  
1E775AE8 1E775024  
1F3137D4: 1E774560 1E773A9C 1E772FD8 1E772514 1E771A50 1E770F8C  
1E7704C8 1E76FA04  
1F3137F4: 1E76EF40 1E72BAB0 1E76D9B8 1E76CEF4 1E76C430 1E76B96C  
1E76AEA8 1E76A3E4  
1F313814: 1E769920 1E768E5C 1E768398 1E7678D4 1E766E10 1E76634C  
1E765888 1E764DC4  
1F313834: 1E764300 1E76383C 1E790988 1E7622B4 1E50AA88 1E509FC4  
1E760268 1E75F7A4  
1F313854: 1E75ECE0 1E75E21C 1E75D758 1E75CC94 1E75C1D0 1E75B70C  
1E75AC48 1E75A184  
1F313874: 1E7596C0 1E758BFC 1E758138 1E757674 1E756BB0 1E7560EC  
1E509500 1E508A3C  
1F313894: 1E507F78 1E5074B4 1E752B18 1E752054 1E751590 1E750ACC  
1E750008 1E74F544  
1F3138B4: 1E74EA80 1E74DFBC 1E74D4F8 1E74CA34 1E74BF70 1E74B4AC  
1E74A9E8 1E5069F0  
1F3138D4: 1E505F2C 1E505468 1E5049A4 1E747414 1E746950 1E7A0124  
1E78FEC4 1E79144C  
1F3138F4: 1E743E40 1E74337C 1E7428B8 1E741DF4 1E741330 1E74086C  
1E7C1B6C 1E791F10

1F313914: 1E73E820 1E73DD5C 1E73D298 1E73C7D4 1E5156C8 1E73B24C  
 1E7929D4 1E512BB8  
 1F313934: 1E739200 1E73873C 1E737C78 1E7371B4 1E511630 1E735C2C  
 1E735168 1E7346A4  
 1F313954: 1E733BE0 1E73311C 1E732658 1E731B94 1E7310D0 1E73060C  
 1E72FB48 1E72F084  
 1F313974: 1E72E5C0 1E72DAFC 1E72D038 1E72C574 1E5181D8 1E72AFEC  
 1E72A528 1E7C9C9C  
 1F313994: 1E728FA0 1E7284DC 1E727A18 1E726F54 1E726490 1E7259CC  
 1E724F08 1E724444  
 1F3139B4: 1E723980 1E722EBC 1E7223F8 1E721934 1E720E70 1E7785F8  
 1E7790BC 1E51ACE8  
 Rcv done 1F3139D4, current 1F313D84

1F3139D4:	0	0	0	0	0	0
0	0					
1F3139F4:	0	0	0	0	0	0
0	0					
1F313A14:	0	0	0	0	0	0
0	0					
1F313A34:	0	0	0	0	0	0
0	0					
1F313A54:	0	0	0	0	0	0
0	0					
1F313A74:	0	0	0	0	0	0
0	0					
1F313A94:	0	0	0	0	0	0
0	0					
1F313AB4:	0	0	0	0	0	0
0	0					
1F313AD4:	0	0	0	0	0	0
0	0					
1F313AF4:	0	0	0	0	0	0
0	0					
1F313B14:	0	0	0	0	0	0
0	0					
1F313B34:	0	0	0	0	0	0
0	0					
1F313B54:	0	0	0	0	0	0
0	0					

1F313B74:	0	0	0	0	0	0
0	0					
1F313B94:	0	0	0	0	0	0
0	0					
1F313BB4:	0	0	0	0	0	0
0	0					
1F313BD4:	0	0	0	0	0	0
0	0					
1F313BF4:	0	0	0	0	0	0
0	0					
1F313C14:	0	0	0	0	0	0
0	0					
1F313C34:	0	0	0	0	0	0
0	0					
1F313C54:	0	0	0	0	0	0
0	0					
1F313C74:	0	0	0	0	0	0
0	0					
1F313C94:	0	0	0	0	0	0
0	0					
1F313CB4:	0	0	0	0	0	0
0	0					
1F313CD4:	0	0	0	0	0	0
0	0					
1F313CF4:	0	0	0	0	0	0
0	0					
1F313D14:	0	0	0	0	0	0
0	0					
1F313D34:	0	0	0	0	0	0
0	0					
1F313D54:	0	0	0	0	0	0
0	0					
1F313D74:	0	0	0	0	0	0
0	0					
1F313D94:	0	0	0	0	0	0
0	0					
1F313DB4:	0	0	0	0	0	0
0	0					

Off Channel scheduler statistics: (mSec)

Priority	avg_wait_time	avg_serve_time	timeout_count	flush_count	request_count
0	0	0	0	0	0
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0

```

off chan inprog = 0
offchannel flush inprog:No
  offchannel queue flush = 0

```

Last 4 Radio Req stats

ReqId	RdyTs	DoneTs
A	76F2E06C	76F2E07C
A	76FA8185	76FA8196
A	76E39E22	76E39E32
A	76EB3F3C	76EB3F4C

Current Ts:77013B5F

KeyPlumbCnt:0

TXSM Jammer information:

State: 0

Flags: 00000000

Beacons seen: 0

Time since: 0

Jammer Radio resets: 0

TXSM Beacon information:

Monitoring State: 0

Flags: 80010001

Beacons seen: 0

Time since: 1997

Max Time w/o beacons: 0

Beacon stopped count: 0

Counts > 120 0

Counts > 90 0

Counts > 60 0

Counts > 30 0

```

Counts > 15 0
Counts > 10 0
Counts > 5 0
TXSM Current Beacon Outage:
  Beacon Monitor Flags    OP Mode Flags    Reason
  0x80010001              0x00000008      Beacons are off, Disc
scanning, WGB mode,
TXSM Beacon Outage Stats:
  Outage(Seconds)    Beacon Monitor Flags    OP Mode Flags    Reason
  > 120
  > 90
  > 60
  > 30
  > 15
  > 10
  > 5

Last Cmd Received Time:76F3FAE2
Last stats update: 1995
Current Time:1997 771318B7
Last Tx Ev:00000000
Last Off chnl Ev:00000000
Last Off chnl intr ret:00000000
Radio PCI resets:0
RX Ring Errors - Pak:0 Order:0 Max:0
Radio commands - total:9115 delayed:0 elapsed:0 timeouts:0 time high
00000000 low 00000000 usecs 00000000
Log buf magic 0(FA1A1AFA) 1(00000000) Active(0) 1F31422C Last(1)
1F314720
Before H2a TS:771905B5
Last cmd host 31 fw 31 HTS 771905B6 FWWD 75BAECE2 PP 0 MAGIC FA1A1AFA
FW Stats Pak 0 Mac S/D 0/0
EU Submit/Done Stats
Q0 0/0
Q1 0/0
Q2 0/0
Q3 0/0
Q4 0/0
Q5 0/0
Q6 0/0

```



Q7 0/0

```
CMD(04) - TS HOST 00000000 FW 64243CFA seq 6
CMD(05) - TS HOST 00000000 FW 642438EA seq 6
CMD(06) - TS HOST 00000000 FW 0003F89F seq 6
CMD(07) - TS HOST 00000000 FW 641D56DF seq 6
CMD(08) - TS HOST 00000000 FW 641D5380 seq 6
CMD(0A) - TS HOST 00000000 FW 64233BB4 seq 6
CMD(0C) - TS HOST 00000000 FW 641D5EEB seq 6
CMD(0D) - TS HOST 00000000 FW 745075C1 seq 6
CMD(10) - TS HOST 00000000 FW 64233B24 seq 6
CMD(12) - TS HOST 00000000 FW 641D531E seq 6
CMD(13) - TS HOST 00000000 FW 64231E5C seq 6
CMD(14) - TS HOST 00000000 FW 0003FEA4 seq 6
CMD(15) - TS HOST 00000000 FW 642341A8 seq 6
CMD(16) - TS HOST 7721C0A5 FW 75C1ECB4 seq 6
CMD(17) - TS HOST 00000000 FW 759426EE seq 6
CMD(1E) - TS HOST 00000000 FW 00050C2B seq 6
CMD(20) - TS HOST 00000000 FW 6433815C seq 6
CMD(27) - TS HOST 00000000 FW 64235E5C seq 6
CMD(2B) - TS HOST 00000000 FW 642CA47F seq 6
CMD(30) - TS HOST 00000000 FW 641D6226 seq 6
CMD(31) - TS HOST 00000000 FW 75C8740A seq 6
CMD(35) - TS HOST 00000000 FW 642053D2 seq 6
CMD(39) - TS HOST 00000000 FW 0003FCF0 seq 6
```

Well aligned packets transmitted: 1

Misaligned packet transmitted: 132

### Tx Power: Dot11 Config

Serving Channel	6 (Type 0)
Active Level Index	1 (Unitless)
Active Level	23 dBm (OFDM 23 dBm)
IEEE MIB format	TRUE
Metric unit	dBm
HD Active	127
Low Power Mode	Set High (Active: Set High)
Cookie max	17
Client Power	Max 32767, Active Max 23 (Asymmetric)
Regulatory Limit	30
Modulation Index	0
Antenna Selection	Internal, Rx: 4 active in [ABCD] Tx: 4

active in [ABCD]

Antenna Gain                      Reported:Configured:InUse = [0:0:8] (2  
x dBi)

Allowed Power Levels              Total 8 levels in TPO  
[23/20/17/14/11/8/5/2] Per-ant [17/14/11/8/5/2/-1/-4]

HAL Per antenna Tx Power (in dBm)

CCK :

OFDM                              : LBF                              : HT20-7                              : HT20-15  
: HT20-23                              : HT40-7                              :

HT40-15                              : HT40-23                              : N-HT40 Dup                              : HT20

BF-7                              : HT20 BF-15                              : HT20 BF-23                              :

HT40 BF-7                              : HT40 BF-15                              : HT40 BF-23                              : HT20

STBC-7                              : HT40 STBC-7                              :

17171717 :

171717171717171615 : 171717171717171615 : 171717171717161514 :

1717171717161514 : 1717171717161413 : 1717171717161514 :

1717171717161514 : 1717171717161413 : 1717171715141413 :

1717171717161514 : 1717171717161514 : 1717171717161413 :

1717171717161514 : 1717171717161514 : 1717171717161413 :

1717171717161514 : 1717171717161514 : 17

Dynamic Antenna Activation: Number of active antennas

4 4 4 4 :

4 4 4 4 4 4 4 4 : 4 4 4 4 4 4 4 4 : 4 4 4 4 4 4 4 4 : 4 4 4  
4 4 4 4 4 : 4 4 4 4 4 4 4 4 : 4 4 4 4 4 4 4 4 :

4 4 4 4 4 4 4 4 : 4 4 4 4 4 4 4 4 : 4 4 4 4 4 4 4 4 : 4 4 4  
4 4 4 4 4 : 4 4 4 4 4 4 4 4 : 4 4 4 4 4 4 4 4 :

4 4 4 4 4 4 4 4 : 4 4 4 4 4 4 4 4 : 4 4 4 4 4 4 4 4 : 4 4 4  
4 4 4 4 4 : 4 4 4 4 4 4 4 4 : 4

Max per-path TxPower at modulation (at operation condition)

1.0 to 36.0 , 17 dBm

48.0 to 48.0 , 16 dBm

54.0 to 54.0 , 15 dBm

6.0bf to 36.0bf, 17 dBm

48.0bf to 48.0bf, 16 dBm

54.0bf to 54.0bf, 15 dBm

m0-2 to m4-2 , 17 dBm

m5-2 to m5-2 , 16 dBm

m6-2 to m6-2 , 15 dBm

m7-2 to m7-2 , 14 dBm

m8-2 to m12-2 , 17 dBm  
 m13-2 to m13-2 , 16 dBm  
 m14-2 to m14-2 , 15 dBm  
 m15-2 to m15-2 , 14 dBm  
 m16-2 to m20-2 , 17 dBm  
 m21-2 to m21-2 , 16 dBm  
 m22-2 to m22-2 , 14 dBm  
 m23-2 to m23-2 , 13 dBm  
 m0-4 to m4-4 , 17 dBm  
 m5-4 to m5-4 , 16 dBm  
 m6-4 to m6-4 , 15 dBm  
 m7-4 to m7-4 , 14 dBm  
 m8-4 to m12-4 , 17 dBm  
 m13-4 to m13-4 , 16 dBm  
 m14-4 to m14-4 , 15 dBm  
 m15-4 to m15-4 , 14 dBm  
 m16-4 to m20-4 , 17 dBm  
 m21-4 to m21-4 , 16 dBm  
 m22-4 to m22-4 , 14 dBm  
 m23-4 to m23-4 , 13 dBm  
 6.0d to 18.0d , 17 dBm  
 24.0d to 24.0d , 15 dBm  
 36.0d to 48.0d , 14 dBm  
 54.0d to 54.0d , 13 dBm  
 m0b2 to m4b2 , 17 dBm  
 m5b2 to m5b2 , 16 dBm  
 m6b2 to m6b2 , 15 dBm  
 m7b2 to m7b2 , 14 dBm  
 m8b2 to m12b2 , 17 dBm  
 m13b2 to m13b2 , 16 dBm  
 m14b2 to m14b2 , 15 dBm  
 m15b2 to m15b2 , 14 dBm  
 m16b2 to m20b2 , 17 dBm  
 m21b2 to m21b2 , 16 dBm  
 m22b2 to m22b2 , 14 dBm  
 m23b2 to m23b2 , 13 dBm  
 m0b4 to m4b4 , 17 dBm  
 m5b4 to m5b4 , 16 dBm  
 m6b4 to m6b4 , 15 dBm  
 m7b4 to m7b4 , 14 dBm

m8b4 to m12b4 , 17 dBm  
 m13b4 to m13b4 , 16 dBm  
 m14b4 to m14b4 , 15 dBm  
 m15b4 to m15b4 , 14 dBm  
 m16b4 to m20b4 , 17 dBm  
 m21b4 to m21b4 , 16 dBm  
 m22b4 to m22b4 , 14 dBm  
 m23b4 to m23b4 , 13 dBm  
 m0t2 to m4t2 , 17 dBm  
 m5t2 to m5t2 , 16 dBm  
 m6t2 to m6t2 , 15 dBm  
 m7t2 to m7t2 , 14 dBm  
 m0t4 to m4t4 , 17 dBm  
 m5t4 to m5t4 , 16 dBm  
 m6t4 to m6t4 , 15 dBm  
 m7t4 to m7t4 , 14 dBm

DOT11 Statistics (Cumulative Total/Last 5 Seconds):

RECEIVER	TRANSMITTER
Host Rx K Bytes: 6664 / 113 / 0	Host Tx K Bytes: 7
Unicasts Rx: 39 / 0 / 4	Unicasts Tx: 68
Unicasts to host: 39 / 0 / 1	Unicasts by host: 60
Broadcasts Rx: 24804 / 383 / 0	Broadcasts Tx: 65
Beacons Rx: 23539 / 350 / 0	Beacons Tx: 0
Broadcasts to host: 24804 / 383 / 0	Broadcasts by host: 65
Multicasts Rx: 61 / 0 / 0	Multicasts Tx: 0
Multicasts to host: 61 / 0 / 0	Multicasts by host: 0
Mgmt Packets Rx: 1262 / 33 / 0	Mgmt Packets Tx: 74
RTS received: 64 / 12 / 0	RTS transmitted: 20
Duplicate frames: 0 / 0 / 0	CTS not received: 4

CRC errors:	19548 / 341	Unicast Fragments Tx:	133
/ 4			
WEP errors:	0 / 0	Retries:	18
/ 11			
Buffer full:	0 / 0	Packets one retry:	2
/ 0			
Host buffer full:	0 / 0	Packets > 1 retry:	2
/ 1			
Header CRC errors:	0 / 0	Protocol defers:	0
/ 0			
Invalid header:	0 / 0	Energy detect defers:	0
/ 0			
Length invalid:	0 / 0	Jammer detected:	0
/ 0			
Incomplete fragments:	0 / 0	Packets aged:	0
/ 0			
Rx Concats:	0 / 0	Tx Concats:	0
/ 0			
R2H Buffer full:	0 / 0		
Rx err len pkt:	0 / 0		
Tx Watchdog stats:			
Tx SW Watchdog	0 / 0		
Tx HW Watchdog	0 / 0		
LOST PARENT COUNTS		ASSOCIATION STATISTICS	
Maximum retries:	0 / 0	SSID mismatched:	
0 / 0			
No beacons:	0 / 0	Not specified AP:	
0 / 0			
Average retry level:	0 / 0	Rates mismatched:	
0 / 0			
Deauthenticated:	0 / 0	Privacy mismatched:	
0 / 0			
Disassociated:	0 / 0	Authentication rejects:	
0 / 0			
Time base lost:	0 / 0	Association timeout:	
0 / 0			
Host request:	0 / 0	LEAP successes:	
2 / 0			

Better parent found:        0 / 0  
 0 / 0  
  
 0 / 0  
  
 0 / 0  
  
 0 / 0  
  
 0 / 0

LEAP failures:  
  
 LEAP timeouts:  
  
 LEAP key len fails:  
  
 PHY element mismatch:  
  
 WPA IE mismatch:

#### RATE 1.0

Rx Packets:                9303 / 188  
 / 0  
 Rx Bytes:                2025740 / 40903  
 / 0  
 RTS Retries:              0 / 0  
 / 0

Tx Packets:                10  
  
 Tx Bytes:                715  
  
 Data Retries:              0

#### RATE 11.0

Rx Packets:                454 / 9  
 / 0  
 Rx Bytes:                49032 / 972  
 / 0  
 RTS Retries:              0 / 0  
 / 0

Tx Packets:                0  
  
 Tx Bytes:                0  
  
 Data Retries:              0

#### RATE 6.0

Rx Packets:                15536 / 289  
 / 0  
 Rx Bytes:                3557927 / 67174  
 / 0  
 RTS Retries:              0 / 0  
 / 0

Tx Packets:                0  
  
 Tx Bytes:                0  
  
 Data Retries:              0

#### RATE 12.0

Rx Packets:                85 / 0  
 / 0  
 Rx Bytes:                21679 / 0  
 / 0

Tx Packets:                0  
  
 Tx Bytes:                0

RTS Retries:	0 / 0	Data Retries:	0
/ 0			

RATE m0-2

Rx Packets:	0 / 0	Tx Packets:	2
/ 0			

Rx Bytes:	0 / 0	Tx Bytes:	54
/ 0			

RTS Retries:	0 / 0	Data Retries:	16
/ 0			

RATE m15-2

Rx Packets:	12 / 0	Tx Packets:	44
/ 0			

Rx Bytes:	1396 / 0	Tx Bytes:	5379
/ 0			

RTS Retries:	0 / 0	Data Retries:	2
/ 0			

ATF Radio Configuration:

Mode : Disabled

Multicast throttle drops: 0

Client TX pause count: 0

Bad receive packet count: 0

Media Direct Band Configuration

Unicast Video Redirect = 0

Client Min Phy Rate = 0

Max Retry Percentage = 0

Dot11 Current Video Transmission Metrics:

Arrivals:0 Q-Drops:0 Tries:0 Agg:0 Success:0 Fail:0

Dot11 5-second Video Transmission Metrics:

Arrivals:0 Tries:0 Agg:0 Success:0 Fail:0

Radio-Q-Peak:0 Video-Q-Peak:0 Video-Q-Drops:0

Delay - Tot Msec:0 10/20/40/40+ Msec:0/0/0/0

Dot11 1-second Video Transmission Metrics:

Q-util:0 max-tx-time:0 p-chan:489 p-video:0 L/r:0

Extended Radio Parameters:

Beacon period (not supported), range (not supported)  
Ext Conf flags: 0  
Mcast rate 0 Mbps (Disabled)  
RX sensitivity -0 dB (Disabled)  
CCA threshold -0 dB (Disabled)  
Coverage Report Interval - 90

#### 802.11 forwarding statistics:

IDB fastsend:63 frame\_tx:310 frame\_rx:101 vidb\_tx:33  
Global mcast TX - total:0 mc2uc:0 drops:0 bad pri:0  
IDB mcast TX - filter:0,0,0 igmp\_filter:0 from\_self:22  
MGMT Action - GAS Req Rcvd:0 GAS Req Rx Drop:0

RCV forward pending drop count:0  
Global DMS - requests:0 uc:0 drop:0  
DMS enabled on WLAN(s):  
DMS database:

#### Log Buffer:

#### Last radio RC(10)

Radio resets - total:16 retries:0 failed:0  
Reset Stats: Start Cnt: 8, Recovery: Cnt 0, Last Ret: 0, Fails: 0,  
Recvry Status: Stalled NO, In Prog NO

#### Normal:

Code	Count	State	When
10	12	STOP	*00:28:21.703 UTC Mon Mar 1 1993
21	1	STOP	*00:28:20.451 UTC Mon Mar 1 1993
27	1	STOP	*00:00:31.387 UTC Mon Mar 1 1993
40	2	STOP	*00:28:13.435 UTC Mon Mar 1 1993

Prefetch: Trigger Active: 0 Recovery Disabled?: 0  
Prefetch: Stats updated every 10 seconds. Time since trigger:0  
Prefetch: Trigger cnt: 0  
Prefetch Limits: Legacy - 500 1lac - 10000 300000

!

interface Dot11Radio1  
Radio BR 5GHz, Base Address d8b1.9018.ce60, BBlock version 0.00,  
Software version 4.18.2  
Serial number: FOC19208CBK  
Unused dynamic SDRAM memory: 0x0001F3A8 (124 KB)



```

Unused dynamic SDRAM memory: 0x00319040 (3172 KB)
Spectrum FW version: 1.15.4
Number of supported simultaneous BSSID on Dot11Radio1: 16
Carrier Set: Americas (OFDM) (US) (-B)
Uniform Spreading Required: Yes
Configured Frequency: 0 MHz Channel 0
Serving Frequency: 0 MHz Channel 0 20MHz
Allowed Frequencies: * Dynamic Frequency Selection (DFS) only
    5180( 36)  5200( 40)  5220( 44)  5240( 48) *5260( 52)
*5280( 56) *5300( 60) *5320( 64) *5500(100) *5520(104)
    *5540(108) *5560(112) *5580(116) *5600(120) *5620(124)
*5640(128) *5660(132) *5680(136) *5700(140) *5720(144)
    5745(149)  5765(153)  5785(157)  5805(161)  5825(165)
Listen Frequencies:
    5180( 36)  5200( 40)  5220( 44)  5240( 48)  5260( 52)
5280( 56)  5300( 60)  5320( 64)  5500(100)  5520(104)
    5540(108)  5560(112)  5580(116)  5600(120)  5620(124)
5640(128)  5660(132)  5680(136)  5700(140)  5720(144)
    5745(149)  5765(153)  5785(157)  5805(161)  5825(165)

DFS Blocked Frequencies: none
Beacon Flags: 0, Interface Flags 60109, Interface Events 0, Mode 9;
Beacons are disabled; Probes are disabled
Configured TxPower:      17 dBm (Level Index 1)
Allowed Power Levels:      17 14 11  8  5  2  dBm
Allowed Client Power Levels: 17 14 11  8  5  2  dBm
Antenna:      Rx[]
              Tx[a b c d ofdm all]
              Internal
              Gain [Allowed 8, In Use 8] (dBi x 2), In Use 8]
(dBi x 2), In Use 8] (dBi x 2), In Use 8] (dBi x 2), Reported 0,
Configured 0, In Use 8] (dBi x 2)
Active Rates:
Current Rates: basic-6.0 9.0 basic-12.0 18.0 basic-24.0 36.0 48.0
54.0 m0-2 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2 m9-2 m10-2 m11-2
m12-2 m13-2 m14-2 m15-2 m16-2 m17-2 m18-2 m19-2 m20-2 m21-2 m22-2
m23-2 a0.1-2 a1.1-2 a2.1-2 a3.1-2 a4.1-2 a5.1-2 a6.1-2 a7.1-2 a8.1-2
a9.1-4 a0.2-2 a1.2-2 a2.2-2 a3.2-2 a4.2-2 a5.2-2 a6.2-2 a7.2-2 a8.2-2
a9.2-4 a0.3-2 a1.3-2 a2.3-2 a3.3-2 a4.3-2 a5.3-2 a6.3-2 a7.3-2 a8.3-2
a9.3-2

```

Allowed Rates: 6.0 9.0 12.0 18.0 24.0 36.0 48.0 54.0  
 All Rates: 6.0 9.0 12.0 18.0 24.0 36.0 48.0 54.0 m0-2 m1-2 m2-2 m3-2  
 m4-2 m5-2 m6-2 m7-2 m8-2 m9-2 m10-2 m11-2 m12-2 m13-2 m14-2 m15-2  
 m16-2 m17-2 m18-2 m19-2 m20-2 m21-2 m22-2 m23-2 a0.1-2 a1.1-2 a2.1-2  
 a3.1-2 a4.1-2 a5.1-2 a6.1-2 a7.1-2 a8.1-2 a9.1-4 a0.2-2 a1.2-2 a2.2-2  
 a3.2-2 a4.2-2 a5.2-2 a6.2-2 a7.2-2 a8.2-2 a9.2-4 a0.3-2 a1.3-2 a2.3-2  
 a3.3-2 a4.3-2 a5.3-2 a6.3-2 a7.3-2 a8.3-2 a9.3-2  
 Default Rates: basic-6.0 9.0 basic-12.0 18.0 basic-24.0 36.0 48.0  
 54.0 m0-2 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2 m9-2 m10-2 m11-2  
 m12-2 m13-2 m14-2 m15-2 m16-2 m17-2 m18-2 m19-2 m20-2 m21-2 m22-2  
 m23-2 a0.1-2 a1.1-2 a2.1-2 a3.1-2 a4.1-2 a5.1-2 a6.1-2 a7.1-2 a8.1-2  
 a9.1-4 a0.2-2 a1.2-2 a2.2-2 a3.2-2 a4.2-2 a5.2-2 a6.2-2 a7.2-2 a8.2-2  
 a9.2-4 a0.3-2 a1.3-2 a2.3-2 a3.3-2 a4.3-2 a5.3-2 a6.3-2 a7.3-2 a8.3-2  
 a9.3-2  
 Best Range Rates: basic-6.0 9.0 12.0 18.0 24.0 36.0 48.0 54.0 m0-2  
 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2 m9-2 m10-2 m11-2 m12-2 m13-2  
 m14-2 m15-2 m16-2 m17-2 m18-2 m19-2 m20-2 m21-2 m22-2 m23-2 a0.1-2  
 a1.1-2 a2.1-2 a3.1-2 a4.1-2 a5.1-2 a6.1-2 a7.1-2 a8.1-2 a9.1-4 a0.2-2  
 a1.2-2 a2.2-2 a3.2-2 a4.2-2 a5.2-2 a6.2-2 a7.2-2 a8.2-2 a9.2-4 a0.3-2  
 a1.3-2 a2.3-2 a3.3-2 a4.3-2 a5.3-2 a6.3-2 a7.3-2 a8.3-2 a9.3-2  
 Best Throughput Rates: basic-6.0 basic-9.0 basic-12.0 basic-18.0  
 basic-24.0 basic-36.0 basic-48.0 basic-54.0 m0-2 m1-2 m2-2 m3-2 m4-2  
 m5-2 m6-2 m7-2 m8-2 m9-2 m10-2 m11-2 m12-2 m13-2 m14-2 m15-2 m16-2  
 m17-2 m18-2 m19-2 m20-2 m21-2 m22-2 m23-2 a0.1-2 a1.1-2 a2.1-2 a3.1-2  
 a4.1-2 a5.1-2 a6.1-2 a7.1-2 a8.1-2 a9.1-4 a0.2-2 a1.2-2 a2.2-2 a3.2-2  
 a4.2-2 a5.2-2 a6.2-2 a7.2-2 a8.2-2 a9.2-4 a0.3-2 a1.3-2 a2.3-2 a3.3-2  
 a4.3-2 a5.3-2 a6.3-2 a7.3-2 a8.3-2 a9.3-2  
 Current Voice Rates: basic-6.0 basic-12.0 basic-24.0 [disabled until  
 voice packet-discard enabled]  
 Default Voice Rates: basic-6.0 basic-12.0 basic-24.0  
 Active Voice Rates:  
 Managment Rates:  
 Multicast Rates:  
 Multicast Active rate: 0.0  
 RTS Rates:  
 RTS Active rate 0.0  
 RTS Max rate 0.0  
 Local Packet Rate Probing is disabled : Packet Size 20  
 Data Rate Sensitivity (rate, SNR dB, Contention dBm)  
 ( 6.0, 15, -89) ( 9.0, 16, -88) (12.0, 18, -88) (18.0, 19, -86)

```

(24.0, 20, -85)    (36.0, 24, -81)    (48.0, 27, -78)    (54.0, 31, -77)
CVBF: Enabled in IOS, radio FW bfmr flags 0x0 (enabled)
Number of MFP Indices: 10
Driver tx timeout:60
QOS Tag Status: disabled

AuthIEEnabled DS: 0
AuthEnabled reg: 0
RFID Tag Detection: Disabled
Multicast Address filtered:
Packet type filtered:
Probe limit: active off, filter on, count 0, time 0
Assoc limit: active off, count 0, time 0
GAS Req limit: active off, count 0, time 0
Radio Management (RM) Configuration: Regular 0x9, Mode 1, Disabled
ELM Disabled, Host State:Off Promiscuous Mode dwelling 0 %

MCST RSCs: [0]0x0 [1]0x0 [2]0x0 [3]0x0 [4]0x0 [5]0x0 [6]0x0 [7]0x0
[8]0x0
TKIP Cum Stats: STA          MIC-L-Errs MIC-R-Errs Replay    C-
Measure
                0000.0000.0000 00000000    00000000    00000000
00000000
AES-CCMP Cum Stats: 00000000 replays discarded
Channel Utilization Extensions: Disabled
SMPS Mode: Enabled
QBSS Load: 0x0 Tx 0 Rx 0 AP 0
EDCA Turbo Off Thresholds 60 10 4, Policing Stats: Rx downgrades 0,
Tx downgrades 0
Classifier Stats tx_on_up6 0, tx_on_up4 0
Configured Local Access Class Parameters
Back      : cw-min 4 cw-max 10 fixed-slot 7 admission-control Off
txop 0
Best      : cw-min 4 cw-max 6 fixed-slot 3 admission-control Off
txop 0
Video     : cw-min 3 cw-max 4 fixed-slot 1 admission-control Off
txop 3008
Voice     : cw-min 2 cw-max 3 fixed-slot 1 admission-control Off
txop 1504
Configured Local Custom Access Class Parameters

```

```

Back      : cw-min 4 cw-max 10 fixed-slot 7 admission-control Off
txop 0
Best      : cw-min 1 cw-max 2 fixed-slot 1 admission-control Off
txop 0
Video     : cw-min 3 cw-max 4 fixed-slot 1 admission-control Off
txop 3008
Voice     : cw-min 2 cw-max 3 fixed-slot 1 admission-control Off
txop 1504
Configured Cell Access Class Parameters
Back      : cw-min 4 cw-max 10 fixed-slot 7 admission-control Off
txop 0
Best      : cw-min 4 cw-max 10 fixed-slot 3 admission-control Off
txop 0
Video     : cw-min 3 cw-max 4 fixed-slot 2 admission-control Off
txop 3008
Voice     : cw-min 2 cw-max 3 fixed-slot 2 admission-control Off
txop 1504
SIP stats sip_udp_rx_pkt 0, sip_tcp_rx_pkt 0,downlink classified_pkt
0,uplink classified_pkt 0,num_processed_SIP_Calls 0
BA Info: Lost List Count: 0 Head:0
Off Channel Rdy 0 Done 0 0 0
Transmit queues: Limit 27839 Current 0 In-Progress 0 ACQ inserts 134
deletes 134 reins 0
----- Active ----- In-Progress ----- Counts
-----
      Cnt  Quo  Bas  Max  Cl  Cnt  Quo  Bas      Sent  Discard
Fail  Retry  Multi
Uplink  0   64   0    0    0    0    0    0          0          0
0      0    0
Voice   0  512   0    0    0    0    0    0          0          0
0      0    0
Video   0 1024   0    0    0    0    0    0          0          0
0      0    0
Best    0 1024   0    0    0    0    0    0          0          0
0      0    0
Back    0  128   0    0    0    0    0    0          0          0
0      0    0
BSSIDS Index Flags State Next Held Defer NonDefer Clients Tsf Dtim
Txq Vlan
Driver TX blocks: Realign - 0

```

Off Channel Stats: Last Duration 0, Errors: Timeouts 0 Tx 0 Intr 0  
 ---Clients 0 AID VLAN Status:S/I/B/A Age TxQ-R(A) Mode Enc Key Rate  
 Mask Tx Rx BVI Split-ACL Client-ACL WebAuth-ACL L2-  
 ACL O-VLAN

RxPkts KBytes Dup Dec Mic Txc TxPkts KBytes  
 Retry RSSI SNR Fail BAfail KeySetTs KeyClearTs1 Ts2 key  
 (Client) MaxPri DefUniPri DefMultPri WiredProt  
 IP Address Pauses Idle RateTx RateDataTx

RSC SGT  
 MVL Req=0, In=0  
 Video Report: Cnt Rate Retries/Tot  
 8021x auth in prog 0 allowed 0

AID Hold list  
 radio vap id mac ssid state  
 Vlan BSSID Clients PSP Pri/U/M HT Flags/Encr Key0 Key1 Key2 Key3  
 iGTK SSIDs MFP  
 On 0000 0 0 0 0 0 0 0 0 DIS  
 vap id ssid Bridging Type

Packet Tx (in radio) Metrics  
 Max Stuck time: Normal 0 MC 0 Off Channel 0  
 Stuck Cnt Normal MC Off Channel  
 Paks > 30 Secs 0 0 0  
 Paks > 20 Secs 0 0 0  
 Paks > 15 Secs 0  
 Paks > 10 Secs 0 0 0  
 Paks > 5 Secs 0  
 Paks > 1 Secs 0 0 0

Tx in radio (non zero) metrics  
 poison\_count 0  
 block\_free\_count 0  
 client\_null\_count 0

PakTimeout:0  
 Protocol A2B2  
 Radio MAC SoC ID: 70, Rev: 4  
 Data Offsets: 8 76, 4 - 1, 12 - 15, 20 - 17  
 3F314C14 00000005 00000010  
 00000000 00040000 002B0000 00000000 FFFFFFFF

00000000 00160000 00000000 FFFFFFFF 0 0

Tx rdy 1F314FC8 (1F314FC8 - 1F316D78) Cnt 0

1F314FC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315008:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315048:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315088:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F3150C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315108:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315148:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315188:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F3151C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315208:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315248:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315288:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F3152C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315308:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315348:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315388:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F3153C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315408:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315448:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		

1F315488:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3154C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315508:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315548:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315588:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3155C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315608:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315648:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315688:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3156C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315708:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315748:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315788:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3157C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315808:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315848:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315888:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3158C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315908:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315948:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0

1F315988:	0	0	0	0	0	0	0	0	0
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1F3159C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315A08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315A48:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315A88:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315AC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315B08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315B48:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315B88:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315BC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315C08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315C48:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315C88:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315CC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315D08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315D48:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315D88:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315DC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315E08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F315E48:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		



1F315E88:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315EC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315F08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315F48:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315F88:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F315FC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316008:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316048:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316088:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3160C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316108:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316148:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316188:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3161C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316208:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316248:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316288:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3162C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316308:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316348:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0

1F316388:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3163C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316408:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316448:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316488:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3164C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316508:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316548:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316588:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3165C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316608:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316648:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316688:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3166C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316708:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316748:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316788:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F3167C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316808:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0
1F316848:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0	0	0

1F316888:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F3168C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316908:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316948:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316988:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F3169C8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316A08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316A48:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316A88:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316AC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316B08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316B48:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316B88:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316BC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316C08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316C48:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316C88:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316CC8:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316D08:	0	0	0	0	0	0	0	0	0
0 0	0	0	0	0	0	0	0		
1F316D48:	0	0	0	0	0	0	0	0	0
0 0	0	0							

```

HOST IRQ Recovered Count:0 pci_recover:0
Off Channel rdy 1F317C50 (1F317C50 - 1F317CF0)
1F317C50:      0      0      0      0      0      0
0      0
1F317CD0:      0      0
Off Channel done 1F317CF0 (1F317CF0 - 1F317D90)
1F317CF0:      0      0      0      0      0      0
0      0
1F317D70:      0      0
Tx done 1F316D78, current 1F316D78 Cnt 0 TS 7984BBA9 0 0 Ptr 0 0

1F316D78:      0      0      0      0      0      0      0
0
1F316D98:      0      0      0      0      0      0      0
0
1F316DB8:      0      0      0      0      0      0      0
0
1F316DD8:      0      0      0      0      0      0      0
0
1F316DF8:      0      0      0      0      0      0      0
0
1F316E18:      0      0      0      0      0      0      0
0
1F316E38:      0      0      0      0      0      0      0
0
1F316E58:      0      0      0      0      0      0      0
0
1F316E78:      0      0      0      0      0      0      0
0
1F316E98:      0      0      0      0      0      0      0
0
1F316EB8:      0      0      0      0      0      0      0
0
1F316ED8:      0      0      0      0      0      0      0
0
1F316EF8:      0      0      0      0      0      0      0
0
1F316F18:      0      0      0      0      0      0      0
0

```

1F316F38:	0	0	0	0	0	0	0
0							
1F316F58:	0	0	0	0	0	0	0
0							
1F316F78:	0	0	0	0	0	0	0
0							
1F316F98:	0	0	0	0	0	0	0
0							
1F316FB8:	0	0	0	0	0	0	0
0							
1F316FD8:	0	0	0	0	0	0	0
0							
1F316FF8:	0	0	0	0	0	0	0
0							
1F317018:	0	0	0	0	0	0	0
0							
1F317038:	0	0	0	0	0	0	0
0							
1F317058:	0	0	0	0	0	0	0
0							
1F317078:	0	0	0	0	0	0	0
0							
1F317098:	0	0	0	0	0	0	0
0							
1F3170B8:	0	0	0	0	0	0	0
0							
1F3170D8:	0	0	0	0	0	0	0
0							
1F3170F8:	0	0	0	0	0	0	0
0							
1F317118:	0	0	0	0	0	0	0
0							
1F317138:	0	0	0	0	0	0	0
0							
1F317158:	0	0	0	0	0	0	0
0							
1F317178:	0	0	0	0	0	0	0
0							
1F317198:	0	0	0	0	0	0	0
0							

1F3171B8:	0	0	0	0	0	0	0
0							
1F3171D8:	0	0	0	0	0	0	0
0							
1F3171F8:	0	0	0	0	0	0	0
0							
1F317218:	0	0	0	0	0	0	0
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1F317238:	0	0	0	0	0	0	0
0							
1F317258:	0	0	0	0	0	0	0
0							
1F317278:	0	0	0	0	0	0	0
0							
1F317298:	0	0	0	0	0	0	0
0							
1F3172B8:	0	0	0	0	0	0	0
0							
1F3172D8:	0	0	0	0	0	0	0
0							
1F3172F8:	0	0	0	0	0	0	0
0							
1F317318:	0	0	0	0	0	0	0
0							
1F317338:	0	0	0	0	0	0	0
0							
1F317358:	0	0	0	0	0	0	0
0							
1F317378:	0	0	0	0	0	0	0
0							
1F317398:	0	0	0	0	0	0	0
0							
1F3173B8:	0	0	0	0	0	0	0
0							
1F3173D8:	0	0	0	0	0	0	0
0							
1F3173F8:	0	0	0	0	0	0	0
0							
1F317418:	0	0	0	0	0	0	0
0							

1F317438:	0	0	0	0	0	0	0
0							
1F317458:	0	0	0	0	0	0	0
0							
1F317478:	0	0	0	0	0	0	0
0							
1F317498:	0	0	0	0	0	0	0
0							
1F3174B8:	0	0	0	0	0	0	0
0							
1F3174D8:	0	0	0	0	0	0	0
0							
1F3174F8:	0	0	0	0	0	0	0
0							
1F317518:	0	0	0	0	0	0	0
0							
1F317538:	0	0	0	0	0	0	0
0							
1F317558:	0	0	0	0	0	0	0
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1F317578:	0	0	0	0	0	0	0
0							
1F317598:	0	0	0	0	0	0	0
0							
1F3175B8:	0	0	0	0	0	0	0
0							
1F3175D8:	0	0	0	0	0	0	0
0							
1F3175F8:	0	0	0	0	0	0	0
0							
1F317618:	0	0	0	0	0	0	0
0							
1F317638:	0	0	0	0	0	0	0
0							
1F317658:	0	0	0	0	0	0	0
0							
1F317678:	0	0	0	0	0	0	0
0							
1F317698:	0	0	0	0	0	0	0
0							

1F3176B8:	0	0	0	0	0	0	0
0							
1F3176D8:	0	0	0	0	0	0	0
0							
1F3176F8:	0	0	0	0	0	0	0
0							
1F317718:	0	0	0	0	0	0	0
0							
1F317738:	0	0	0	0	0	0	0
0							
1F317758:	0	0	0	0	0	0	0
0							
1F317778:	0	0	0	0	0	0	0
0							
1F317798:	0	0	0	0	0	0	0
0							
1F3177B8:	0	0	0	0	0	0	0
0							
1F3177D8:	0	0	0	0	0	0	0
0							
1F3177F8:	0	0	0	0	0	0	0
0							
1F317818:	0	0	0	0	0	0	0
0							
1F317838:	0	0	0	0	0	0	0
0							
1F317858:	0	0	0	0	0	0	0
0							
1F317878:	0	0	0	0	0	0	0
0							
1F317898:	0	0	0	0	0	0	0
0							
1F3178B8:	0	0	0	0	0	0	0
0							
1F3178D8:	0	0	0	0	0	0	0
0							
1F3178F8:	0	0	0	0	0	0	0
0							
1F317918:	0	0	0	0	0	0	0
0							



1F317938:	0	0	0	0	0	0	0
0							
1F317958:	0	0	0	0	0	0	0
0							
1F317978:	0	0	0	0	0	0	0
0							
1F317998:	0	0	0	0	0	0	0
0							
1F3179B8:	0	0	0	0	0	0	0
0							
1F3179D8:	0	0	0	0	0	0	0
0							
1F3179F8:	0	0	0	0	0	0	0
0							
1F317A18:	0	0	0	0	0	0	0
0							
1F317A38:	0	0	0	0	0	0	0
0							
1F317A58:	0	0	0	0	0	0	0
0							
1F317A78:	0	0	0	0	0	0	0
0							
1F317A98:	0	0	0	0	0	0	0
0							
1F317AB8:	0	0	0	0	0	0	0
0							
1F317AD8:	0	0	0	0	0	0	0
0							
1F317AF8:	0	0	0	0	0	0	0
0							
1F317B18:	0	0	0	0	0	0	0
0							
1F317B38:	0	0	0	0	0	0	0
0							
1F317B58:	0	0	0	0	0	0	0
0							
1F317B78:	0	0	0	0	0	0	0
0							
1F317B98:	0	0	0	0	0	0	0
0							

1F317BB8:	0	0	0	0	0	0	0
0							
1F317BD8:	0	0	0	0	0	0	0
0							
1F317BF8:	0	0	0	0	0	0	0
0							
1F317C18:	0	0	0	0	0	0	0
0							
1F317C38:	0	0	0	0	0	0	

Rcv rdy 1F317D90, current 1F31818C

1F317D90: 1E71EE04 1E71E340 1E71D87C 1E71CDB8 1E71C2F4 1E71B830  
1E71AD6C 1E71A2A8  
1F317DB0: 1E7197E4 1E718D20 1E71825C 1E717798 1E716CD4 1E716210  
1E71574C 1E714C88  
1F317DD0: 1E7141C4 1E713700 1E712C3C 1E712178 1E7116B4 1E710BF0  
1E71012C 1E70F668  
1F317DF0: 1E70EBA4 1E70E0E0 1E70D61C 1E70CB58 1E70C094 1E70B5D0  
1E70AB0C 1E70A048  
1F317E10: 1E709584 1E708AC0 1E707FFC 1E707538 1E706A74 1E705FB0  
1E7054EC 1E704A28  
1F317E30: 1E703F64 1E7034A0 1E7029DC 1E701F18 1E701454 1E700990  
1E6FFECC 1E6FF408  
1F317E50: 1E6FE944 1E6FDE80 1E6FD3BC 1E6FC8F8 1E6FBE34 1E6FB370  
1E6FA8AC 1E6F9DE8  
1F317E70: 1E6F9324 1E6F8860 1E6F7D9C 1E6F72D8 1E6F6814 1E6F5D50  
1E6F528C 1E6F47C8  
1F317E90: 1E6F3D04 1E6F3240 1E6F277C 1E6F1CB8 1E6F11F4 1E6F0730  
1E6EFC6C 1E6EF1A8  
1F317EB0: 1E6EE6E4 1E6EDC20 1E6ED15C 1E6EC698 1E6EBBD4 1E6EB110  
1E6EA64C 1E6E9B88  
1F317ED0: 1E6E90C4 1E6E8600 1E6E7B3C 1E6E7078 1E6E65B4 1E6E5AF0  
1E6E502C 1E6E4568  
1F317EF0: 1E6E3AA4 1E6E2FE0 1E6E251C 1E6E1A58 1E6E0F94 1E6E04D0  
1E6DFA0C 1E6DEF48  
1F317F10: 1E6DE484 1E6DD9C0 1E6DCEFC 1E6DC438 1E6DB974 1E6DAEB0  
1E6DA3EC 1E6D9928  
1F317F30: 1E6D8E64 1E6D83A0 1E6D78DC 1E6D6E18 1E6D6354 1E6D5890  
1E6D4DCC 1E6D4308

```

1F317F50: 1E6D3844 1E6D2D80 1E6D22BC 1E6D17F8 1E6D0D34 1E6D0270
1E6CF7AC 1E6CECE8
1F317F70: 1E6CE224 1E6CD760 1E6CCC9C 1E6CC1D8 1E6CB714 1E6CAC50
1E6CA18C 1E6C96C8
1F317F90: 1E6C8C04 1E6C8140 1E6C767C 1E6C6BB8 1E6C60F4 1E6C5630
1E6C4B6C 1E6C40A8
1F317FB0: 1E6C35E4 1E6C2B20 1E6C205C 1E6C1598 1E6C0AD4 1E6C0010
1E6BF54C 1E6BEA88
1F317FD0: 1E6BDFC4 1E6BD500 1E6BCA3C 1E6BBF78 1E6BB4B4 1E6BA9F0
1E6B9F2C 1E6B9468
1F317FF0: 1E6B89A4 1E6B7EE0 1E6B741C 1E6B6958 1E6B5E94 1E6B53D0
1E6B490C 1E6B3E48
1F318010: 1E6B3384 1E6B28C0 1E6B1DFC 1E6B1338 1E6B0874 1E6AFDB0
1E6AF2EC 1E6AE828
1F318030: 1E6ADD64 1E6AD2A0 1E6AC7DC 1E6ABD18 1E6AB254 1E6AA790
1E6A9CCC 1E6A9208
1F318050: 1E6A8744 1E6A7C80 1E6A71BC 1E6A66F8 1E6A5C34 1E6A5170
1E6A46AC 1E6A3BE8
1F318070: 1E6A3124 1E6A2660 1E6A1B9C 1E6A10D8 1E6A0614 1E69FB50
1E69F08C 1E69E5C8
1F318090: 1E69DB04 1E69D040 1E69C57C 1E69BAB8 1E69AFF4 1E69A530
1E699A6C 1E698FA8
1F3180B0: 1E6984E4 1E697A20 1E696F5C 1E696498 1E6959D4 1E694F10
1E69444C 1E693988
1F3180D0: 1E692EC4 1E692400 1E69193C 1E690E78 1E6903B4 1E68F8F0
1E68EE2C 1E68E368
1F3180F0: 1E68D8A4 1E68CDE0 1E68C31C 1E68B858 1E68AD94 1E68A2D0
1E68980C 1E688D48
1F318110: 1E688284 1E6877C0 1E686CFC 1E686238 1E685774 1E684CB0
1E6841EC 1E683728
1F318130: 1E682C64 1E6821A0 1E6816DC 1E680C18 1E680154 1E67F690
1E67EBCC 1E67E108
1F318150: 1E67D644 1E67CB80 1E67C0BC 1E67B5F8 1E67AB34 1E67A070
1E6795AC 1E678AE8
1F318170: 1E678024 1E677560 1E676A9C 1E675FD8 1E675514 1E674A50
1E673F8C 0
Rcv done 1F318190, current 1F318190

1F318190: 0 0 0 0 0 0
0 0

```

1F3181B0:	0	0	0	0	0	0
0	0					
1F3181D0:	0	0	0	0	0	0
0	0					
1F3181F0:	0	0	0	0	0	0
0	0					
1F318210:	0	0	0	0	0	0
0	0					
1F318230:	0	0	0	0	0	0
0	0					
1F318250:	0	0	0	0	0	0
0	0					
1F318270:	0	0	0	0	0	0
0	0					
1F318290:	0	0	0	0	0	0
0	0					
1F3182B0:	0	0	0	0	0	0
0	0					
1F3182D0:	0	0	0	0	0	0
0	0					
1F3182F0:	0	0	0	0	0	0
0	0					
1F318310:	0	0	0	0	0	0
0	0					
1F318330:	0	0	0	0	0	0
0	0					
1F318350:	0	0	0	0	0	0
0	0					
1F318370:	0	0	0	0	0	0
0	0					
1F318390:	0	0	0	0	0	0
0	0					
1F3183B0:	0	0	0	0	0	0
0	0					
1F3183D0:	0	0	0	0	0	0
0	0					
1F3183F0:	0	0	0	0	0	0
0	0					
1F318410:	0	0	0	0	0	0
0	0					

1F318430:	0	0	0	0	0	0
0	0					
1F318450:	0	0	0	0	0	0
0	0					
1F318470:	0	0	0	0	0	0
0	0					
1F318490:	0	0	0	0	0	0
0	0					
1F3184B0:	0	0	0	0	0	0
0	0					
1F3184D0:	0	0	0	0	0	0
0	0					
1F3184F0:	0	0	0	0	0	0
0	0					
1F318510:	0	0	0	0	0	0
0	0					
1F318530:	0	0	0	0	0	0
0	0					
1F318550:	0	0	0	0	0	0
0	0					
1F318570:	0	0	0	0	0	0
0	0					

Off Channel scheduler statistics: (mSec)

Priority	avg_wait_time	avg_serve_time	timeout_count	flush_count	request_count
0	0	0	0	0	0
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0

off chan inprog = 0

offchannel flush inprog:No

offchannel queue flush = 0

Last 4 Radio Req stats

ReqId	RdyTs	DoneTs
0	0	0
0	0	0
0	0	0
0	0	0

Current Ts:7A90B82E

KeyPlumbCnt:0

TXSM Jammer information:

State: 0

Flags: 00000000

Beacons seen: 0

Time since: 0

Jammer Radio resets: 0

TXSM Beacon information:

Monitoring State: 0

Flags: 00000000

Beacons seen: 0

Time since: 2056

Max Time w/o beacons: 0

Beacon stopped count: 0

Counts > 120 0

Counts > 90 0

Counts > 60 0

Counts > 30 0

Counts > 15 0

Counts > 10 0

Counts > 5 0

TXSM Current Beacon Outage:

Beacon Monitor Flags	OP Mode Flags	Reason
----------------------	---------------	--------

0x00000000	0x00000000	
------------	------------	--

TXSM Beacon Outage Stats:

Outage(Seconds)	Beacon Monitor Flags	OP Mode Flags	Reason
-----------------	----------------------	---------------	--------

> 120			
-------	--	--	--

> 90			
------	--	--	--

> 60			
------	--	--	--

> 30			
------	--	--	--

> 15			
------	--	--	--

> 10			
------	--	--	--

> 5			
-----	--	--	--

```

Last Cmd Received Time:00000000
Last stats update: 0
Current Time:2056 7AA29565
Last Tx Ev:00000000
Last Off chnl Ev:00000000
Last Off chnl intr ret:00000000
Radio PCI resets:0
RX Ring Errors - Pak:0 Order:0 Max:0
Radio commands - total:7197 delayed:0 elapsed:0 timeouts:0 time high
00000000 low 00000000 usecs 00000000
Log buf magic 0(FA1A1AFA) 1(00000000) Active(0) 1F3189E8 Last(1)
1F318EDC
Before H2a TS:01B59C64
Last cmd host 22 fw 22 HTS 01B59C65 FWWD 78F9ACA2 PP 0 MAGIC FA1A1AFA
FW Stats Pak 0 Mac S/D 0/0
EU Submit/Done Stats
Q0 0/0
Q1 0/0
Q2 0/0
Q3 0/0
Q4 0/0
Q5 0/0
Q6 0/0
Q7 0/0
CMD(06) - TS HOST 00000000 FW 000458E7 seq 6
CMD(14) - TS HOST 00000000 FW 00045DA7 seq 6
CMD(1E) - TS HOST 00000000 FW 00045FB3 seq 6
CMD(22) - TS HOST 00000000 FW 0005A9A4 seq 6
CMD(39) - TS HOST 00000000 FW 00045D0E seq 6
Well aligned packets transmitted: 0
Misaligned packet transmitted: 0
### Tx Power: Dot11 Config
    Serving Channel          0 (Type 0)
    Active Level Index       1 (Unitless)
    Active Level              17 dBm (OFDM 17 dBm)
    IEEE MIB format           TRUE
    Metric unit                dBm
    HD Active                  127
    Low Power Mode             Set High (Active: Defaut Low)
    Cookie max                 17

```

```

Client Power                Max 32767, Active Max 0 (Asymmetric)
Regulatory Limit            30
Modulation Index            4
Antenna Selection           Internal, Rx: 0 active in [    ] Tx: 4
active in [ABCD]
Antenna Gain                Reported:Configured:InUse = [0:0:8] (2
x dBi)
Allowed Power Levels        Total 6 levels in TPO [17/14/11/8/5/2]
Per-ant [11/8/5/2/-1/-4]
HAL Per antenna Tx Power (in dBm)
CCK :
OFDM                        : LBF                        : HT20-7                : HT20-15
: HT20-23                  : HT40-7                  :                        :
HT40-15                    : HT40-23                : N-HT40 Dup            : HT20
BF-7                       : HT20 BF-15             : HT20 BF-23           :
HT40 BF-7                  : HT40 BF-15             : HT40 BF-23           : HT20
STBC-7                     : HT40 STBC-7            :
VHT20-1s                   : VHT20-2s               : VHT20-3s
:
VHT40-1s                   : VHT40-2s               : VHT40-3s
:
VHT80-1s                   : VHT80-2s               : VHT80-3s
:
N-HT80DUP                  :
VHT20BF-1s                 : VHT20BF-2s             : VHT20BF-3s
:
VHT40BF-1s                 : VHT40BF-2s             : VHT40BF-3s
:
VHT80BF-1s                 : VHT80BF-2s             : VHT80BF-3s
:
VHT20ST                    : VHT40ST                 : VHT80ST
:
0 0 0 0 :
0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 : 0 0 0
0 0 0 0 0 : 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 :
0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 : 0 0 0
0 0 0 0 0 : 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 :
0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 : 0 0 0
0 0 0 0 0 : 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0
0 0 0 : 0 0 0 0 0 0 0 0 0 0 :

```



```

0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :

```

Dynamic Antenna Activation: Number of active antennas

```

0 0 0 0 :
0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 : 0 0 0
0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 :
0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 : 0 0 0
0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 :
0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 : 0 0 0
0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0
0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :
0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0 0 : 0 0 0 0 0 0 0 0 0 0
0 :

```

Max per-path TxPower at modulation (at operation condition)

6.0 to a9.1t8, 0 dBm

DOT11 Statistics (Cumulative Total/Last 5 Seconds):

RECEIVER

Host Rx K Bytes: 0 / 0  
/ 0  
Unicasts Rx: 0 / 0  
/ 0  
Unicasts to host: 0 / 0  
/ 0  
Broadcasts Rx: 0 / 0  
/ 0  
Beacons Rx: 0 / 0  
/ 0  
Broadcasts to host: 0 / 0  
/ 0  
Multicasts Rx: 0 / 0  
/ 0  
Multicasts to host: 0 / 0  
/ 0  
Mgmt Packets Rx: 0 / 0  
/ 0  
RTS received: 0 / 0  
/ 0  
Duplicate frames: 0 / 0  
/ 0  
CRC errors: 0 / 0  
/ 0  
WEP errors: 0 / 0  
/ 0  
Buffer full: 0 / 0  
/ 0  
Host buffer full: 0 / 0  
/ 0  
Header CRC errors: 0 / 0  
/ 0  
Invalid header: 0 / 0  
/ 0  
Length invalid: 0 / 0  
/ 0

TRANSMITTER

Host Tx K Bytes: 0  
Unicasts Tx: 0  
Unicasts by host: 0  
Broadcasts Tx: 0  
Beacons Tx: 0  
Broadcasts by host: 0  
Multicasts Tx: 0  
Multicasts by host: 0  
Mgmt Packets Tx: 0  
RTS transmitted: 0  
CTS not received: 0  
Unicast Fragments Tx: 0  
Retries: 0  
Packets one retry: 0  
Packets > 1 retry: 0  
Protocol defers: 0  
Energy detect defers: 0  
Jammer detected: 0

Incomplete fragments: 0 / 0                      Packets aged: 0  
/ 0  
Rx Concats: 0 / 0                      Tx Concats: 0  
/ 0  
R2H Buffer full: 0 / 0  
Rx err len pkt: 0 / 0

Tx Watchdog stats:

Tx SW Watchdog 0 / 0  
Tx HW Watchdog 0 / 0

ATF Radio Configuration:

Mode : Disabled  
Multicast throttle drops: 0  
Client TX pause count: 0

Bad receive packet count: 0

Media Direct Band Configuration

Unicast Video Redirect = 0  
Client Min Phy Rate = 0  
Max Retry Percentage = 0

Dot11 Current Video Transmission Metrics:

Arrivals:0 Q-Drops:0 Tries:0 Agg:0 Success:0 Fail:0

Dot11 5-second Video Transmission Metrics:

Arrivals:0 Tries:0 Agg:0 Success:0 Fail:0  
Radio-Q-Peak:0 Video-Q-Peak:0 Video-Q-Drops:0  
Delay - Tot Msec:0 10/20/40/40+ Msec:0/0/0/0

Dot11 1-second Video Transmission Metrics:

Q-util:0 max-tx-time:0 p-chan:0 p-video:0 L/r:0

Extended Radio Parameters:

Beacon period (not supported), range (not supported)  
Ext Conf flags: 0  
Mcast rate 0 Mbps (Disabled)  
RX sensitivity -0 dB (Disabled)  
CCA threshold -0 dB (Disabled)  
Coverage Report Interval - 90

802.11 forwarding statistics:

IDB fastsend:0 frame\_tx:0 frame\_rx:0 vidb\_tx:0  
Global mcast TX - total:0 mc2uc:0 drops:0 bad pri:0  
IDB mcast TX - filter:0,0,0 igmp\_filter:0 from\_self:0  
MGMT Action - GAS Req Rcvd:0 GAS Req Rx Drop:0

RCV forward pending drop count:0  
Global DMS - requests:0 uc:0 drop:0  
DMS enabled on WLAN(s):  
DMS database:

Log Buffer:

Last radio RC(10)  
Radio resets - total:5 retries:0 failed:0  
Reset Stats: Start Cnt: 1, Recovery: Cnt 0, Last Ret: 200, Fails: 0,  
Recvry Status: Stalled NO, In Prog NO

Normal:

Code	Count	State	When
10	4	STOP	*00:00:31.455 UTC Mon Mar 1 1993
27	1	STOP	*00:00:31.387 UTC Mon Mar 1 1993

Prefetch: Trigger Active: 0 Recovery Disabled?: 0  
Prefetch: Stats updated every 10 seconds. Time since trigger:0  
Prefetch: Trigger cnt: 0  
Prefetch Limits: Legacy - 500 1lac - 10000 300000

Global throttle count: 000000000  
Global RX counts - good:0 errors:0 drops:0 vlan/drops:0/0  
Tx statistics: txcount 0 txsize 0  
tx\_ra 0x00000000 tx\_p 0x097B6718 tx\_tail 0x00000000 tail\_txp  
0x00000000  
ISR counts - tot:0 rx:0 tx:0 err:0 phy:0

IEVENT	= 0x00000600	IMASK	= 0xC5C7C803	ECNTRL	=
	0x00001050				
PTV	= 0x0000F000	TMR_CTRL	= 0x00000000	TMR_PEVNT	=
	0x00000000				
TMR_PEMSK	= 0x00000000	TCTRL	= 0x00000000	RCTRL	=
	0x0000000B				
MACCFG1	= 0x0000003F	MACCFG2	= 0x00007205	IPGIFG	=
	0x40605060				

HAFDUP = 0x0001F037	MAXFRM = 0x00000700	IFSTAT = 0x00000000
TR64 = 0x000000F1	TR127 = 0x0000002F	TR255 = 0x00000007
TR511 = 0x00000098	TR1K = 0x00000008	TRMAX = 0x00000000
TRMGV = 0x00000000		
RBYT = 0x00000000	RPKT = 0x00000000	RFCS Err = 0x00000000
RMCA = 0x00000000	RBCA = 0x00000000	RXCF = 0x00000000
RXPF = 0x00000000	RXUO Err = 0x00000000	RALN Err = 0x00000000
RFLR Err = 0x00000000	RCDE Err = 0x00000000	RCSE Err = 0x00000000
RUND Err = 0x00000000	ROVR Err = 0x00000000	RFRG Err = 0x00000000
RJBR Err = 0x00000000	RDRP Err = 0x00000000	
TBYT = 0x00013E7E	TPKT = 0x000001C7	TMCA = 0x0000007F
TBCA = 0x0000007D	TXPF = 0x00000000	TDFR = 0x00000000
TEDF Err = 0x00000000	TSCL Err = 0x00000000	TMCL Err = 0x00000000
TLCL Err = 0x00000000	TXCL Err = 0x00000000	TNCL Err = 0x00000000
TDRP Err = 0x00000000	TJBR Err = 0x00000000	TFCS Err = 0x00000000
TXCF Err = 0x00000000	TOVR Err = 0x00000000	TUND Err = 0x00000000
TFRG Err = 0x00000000		

Phy 0x0, reg. 0x00 = 0x1140  
 Phy 0x0, reg. 0x01 = 0x796D  
 Phy 0x0, reg. 0x02 = 0x141  
 Phy 0x0, reg. 0x03 = 0xDD1  
 Phy 0x0, reg. 0x04 = 0x1E1

```
Phy 0x0, reg. 0x05 = 0xC5E1
Phy 0x0, reg. 0x06 = 0xF
Phy 0x0, reg. 0x07 = 0x2001
Phy 0x0, reg. 0x08 = 0x5C32
Phy 0x0, reg. 0x09 = 0x300
Phy 0x0, reg. 0x0A = 0x3800
Phy 0x0, reg. 0x0B = 0x0
Phy 0x0, reg. 0x0C = 0x0
Phy 0x0, reg. 0x0D = 0x3
Phy 0x0, reg. 0x0E = 0x0
Phy 0x0, reg. 0x0F = 0x3000
Phy 0x0, reg. 0x10 = 0x3060
Phy 0x0, reg. 0x11 = 0xAC08
Phy 0x0, reg. 0x12 = 0x400
Phy 0x0, reg. 0x13 = 0x0
Phy 0x0, reg. 0x14 = 0x20
Phy 0x0, reg. 0x15 = 0x0
```

```
----- show user -----
```

Line	User	Host(s)	Idle	Location
* 0 con 0		idle	00:02:12	

Interface	User	Mode	Idle	Peer Address
-----------	------	------	------	--------------

```
----- show file systems -----
```

File Systems:

	Size(b)	Free(b)	Type	Flags	Prefixes
*	40900608	26963456	flash	rw	flash:
	-	-	opaque	rw	arch:
	11999232	9030656	flash	rw	ram:
	-	-	opaque	rw	bs:

40900608	26963456	unknown	rw	zflash:
-	-	opaque	rw	archive:
-	-	opaque	rw	system:
32768	31692	nvram	rw	nvram:
-	-	opaque	rw	tmpsys:
-	-	network	rw	tftp:
-	-	opaque	rw	null:
-	-	opaque	ro	xmodem:
-	-	opaque	ro	ymodem:
-	-	network	rw	rcp:
-	-	network	rw	ftp:
-	-	network	rw	http:
-	-	network	rw	scp:
-	-	opaque	ro	tar:
-	-	network	rw	https:

----- show file descriptors -----

File Descriptors:

No open file descriptors

----- show flash: -----

Directory of flash:/

2	-rwx	285	Jan 3 1970 00:30:51 +00:00	info
4	drwx	2496	Jan 3 1970 00:36:51 +00:00	ap3g2-k9w7- mx.153-3.JPK2
245	-rwx	1048	Mar 1 1993 00:00:36 +00:00	private- multiple-fs
246	-rwx	157	Mar 1 1993 00:28:39 +00:00	env_vars

40900608 bytes total (26963456 bytes free)

----- show ram: -----

Directory of ram:/

2	-rwx	3952	Mar 1 1993 00:28:23 +00:00	ncilib_0.txt
3	-rwx	64	Mar 1 1993 00:28:24 +00:00	sensord_CSPRNG0
4	-rwx	3480	Mar 1 1993 00:34:20 +00:00	deLog00.txt
6	-rwx	5840	Mar 1 1993 00:00:14 +00:00	HA2.bin
9	-rwx	8176	Mar 1 1993 00:00:14 +00:00	Q2.bin
13	-rwx	2460	Mar 1 1993 00:00:14 +00:00	
triggerfish_cpld.img				
14	-rwx	1189888	Mar 1 1993 00:00:15 +00:00	8004.img
19	-rwx	232320	Mar 1 1993 00:00:15 +00:00	HA5.bin
22	-rwx	342672	Mar 1 1993 00:00:15 +00:00	Q5.bin
26	-rwx	1176356	Mar 1 1993 00:00:16 +00:00	8006.img

11999232 bytes total (9030656 bytes free)

----- dir nvram: -----

Directory of nvram:/

30	-rw-	0	<no date>	startup-config
31	----	0	<no date>	private-config
1	----	23	<no date>	persistent-data

32768 bytes total (31692 bytes free)

----- show data-corruption -----

No data inconsistency errors have been recorded.

----- show memory statistics -----



	Head	Total (b)	Used (b)	Free (b)	Lowest (b)
Largest (b)					
Processor	426B844	332996540	98372840	234623700	232572676
232353204					
I/O	18000000	134217728	119150472	15067256	13506332
13506328					
I/O	80000	3670016	2143532	1526484	1500860
843480					
SRAM	FF400000	64512	61032	3480	3480
3452					

----- show process memory -----

Processor Pool Total:	332996540	Used:	98372592	Free:	234623948
I/O Pool Total:	134217728	Used:	119150440	Free:	15067288
I/O Pool Total:	3670016	Used:	2134220	Free:	1535796
SRAM Pool Total:	64512	Used:	61024	Free:	3488

PID	TTY	Allocated	Freed	Holding	Getbufs	Retbufs	
Process							
0	0	209535888	6947024	200585484	38637	322	
*Init*							
0	0	12628	225124	12628	0	0	
*Sched*							
0	0	166409772	151204340	15134724	2	0	
*Dead*							
0	0	0	0	525884	0	0	
*MallocLite*							
1	0	1019268	60156	966272	0	0	Chunk
Manager							
2	0	240	240	4160	0	0	Load
Meter							
3	0	821652	466712	379396	7	7	Exec
4	0	0	0	7160	0	0	RO
Notify Timers							
5	0	6028	240	12948	0	0	Check
heaps							
6	0	0	0	7160	770	0	Pool
Manager							

7	0	0	0	7160	0	0
DiscardQ Backgro						
8	0	240	240	7160	0	0
Timers						
9	0	0	0	4160	0	0
WATCH_AFS						
10	0	0	0	7160	0	0
AAA_SERVER_DEADT						
11	0	0	0	13160	0	0
Policy Manager						
12	0	0	0	25160	0	0 Crash
writer						
13	0	380	0	7540	0	0
Exception contro						
14	0	4180	0	11340	0	0 Radio
Request Pr						
15	0	83144	43200	43892	187	185 Dot11
Uplink Con						
17	0	0	0	4160	0	0 RMI
RM Notify Wa						
19	0	0	0	7160	0	0 Net
Input						
20	0	20272	220	27212	9	14 ARP
Input						
21	0	1716	1716	7160	2	2 ARP
Background						
22	0	960	0	8120	12	12
Entity MIB API						
23	0	240	240	7160	0	0
PrstVbl						
24	0	240	240	7160	0	0
GraphIt						
25	0	240	240	7160	0	0 SMART
26	0	0	6276	7160	0	0
crypto sw pk pro						
27	0	0	0	7160	0	0
Critical Bkgnd						
28	0	38708	4732	15496	217	205 Net
Background						

29	0	11344	11344	13160	0	0 IDB
Work						
30	0	240	240	13160	55	55
Logger						
31	0	25896	240	7656	0	0 TTY
Background						
32	0	320	0	7480	0	0 IF-
MGR control p						
33	0	0	0	7160	0	0 IF-
MGR event pro						
35	0	0	0	7160	0	0
Transport Port A						
36	0	0	0	7160	0	0 HC
Counter Timer						
37	0	240	240	7160	0	0 IOS
WDT Process						
38	0	41804	240	37404	3	2 Dot11
driver						
39	0	240	240	7160	0	0 Dot11
dumper						
40	0	5292	240	12212	0	0 Dot11
driver log						
41	0	240	240	7160	0	0
Compute load avg						
42	0	0	520	7160	0	0 Per-
minute Jobs						
43	0	0	0	10160	0	0 Per-
Second Jobs						
44	0	0	0	7160	0	0 Voice
Metrics Ta						
45	0	0	0	7160	0	0 SOAP
LED Process						
47	0	240	240	7160	0	0 AAA
Dictionary R						
48	0	240	240	7160	0	0 AAA
Server						
49	0	0	0	7160	0	0 AAA
ACCT Proc						
50	0	49384	0	56544	0	0 ACCT
Periodic Pr						

51	0	0	0	7160	0	0	AAA
System Acct							
52	0	240	240	7160	0	0	IOS
Memory Util							
53	0	3188	0	16348	0	0	IP
ARP Adjacency							
54	0	49384	0	56544	0	0	IP
ARP Retry Age							
55	0	0	0	13160	14	25	IP
Input							
56	0	0	0	7160	0	0	ICMP
event handl							
58	0	480	240	13400	0	0	
Spanning Tree							
59	0	116192	115156	11272	55	52	CDP
Protocol							
61	0	0	0	7160	0	0	EM
Background Pr							
62	0	240	240	7160	0	0	Dot11
Offchannel							
63	0	0	0	7160	0	0	
linktest							
64	0	240	240	10160	0	0	Dot11
aaa proces							
65	0	0	0	10160	0	0	pmkid
66	0	240	240	10160	1587	1315	Dot11
Mgmt & Ass							
67	0	240	240	7160	0	0	DOT11
MFP IO							
68	0	692	240	10612	0	0	
AiroIAPP Protoco							
69	0	240	240	7160	0	0	
Triggered events							
70	0	0	0	13160	0	0	SSS
Manager							
71	0	0	0	13160	0	0	SSS
Policy Manag							
72	0	0	0	7160	0	0	SSS
Feature Mana							

73	0	0	0	7160	0	0	SSS
Feature Time							
74	0	240	240	13160	0	0	SSM
connection m							
75	0	0	0	7160	0	0	RIB
LM VALIDATE							
76	0	224	0	13384	0	0	CEF
switching ba							
77	0	224	0	4384	0	0	ADJ
NSF process							
78	0	0	0	7160	0	0	AC
Switch							
79	0	240	240	10160	0	0	Dot11
auth Dot1x							
80	0	0	0	10160	0	0	Dot11
Mac Auth							
81	0	12768	12768	7160	9	6	CDP
ILP Platform							
82	0	328	240	7248	5	3	Dot1x
Mgr Proces							
83	0	0	0	7160	0	0	EAP
Framework							
84	0	1428	0	8588	0	0	
Dot11CACprocess							
85	0	240	240	13160	0	0	Auth
Manager							
86	0	240	240	10160	0	0	IP
Host Track Pr							
87	0	0	0	7160	0	0	Auth-
proxy AAA B							
88	0	944	0	8104	0	0	Auth-
proxy HTTP							
89	0	0	0	7160	0	0	IP
Admin SM Proc							
90	0	0	0	10160	0	0	DOT11
WEBAUTH Pr							
91	0	0	0	7160	0	0	
802.11 Guest Use							
92	0	0	0	10160	0	0	Dot11
Hotspot Pr							

93	0	0	0	7160	0	0	IPv6
ping proces							
94	0	0	0	7160	0	0	EPM
MAIN PROCESS							
95	0	1288	240	11208	0	0	UAP
DIE process							
96	0	0	0	13160	0	0	TCP
Timer							
97	0	0	0	13160	0	0	TCP
Protocols							
98	0	0	0	7160	0	0	FRR
Background P							
99	0	276	0	13436	0	0	CEF
background p							
100	0	224	0	13384	0	0	
fib_fib_bfd_sb e							
101	0	224	0	10384	0	0	
Tunnel FIB							
102	0	0	0	7160	0	0	
Socket Timers							
103	0	0	0	7160	0	0	IP
Traceroute							
104	0	240	240	7160	0	0	
CleanAir CAPWAP							
105	0	864	0	8024	0	0	L2MM
106	0	0	0	7160	0	0	MRD
107	0	0	0	7160	2	4	
IGMPSN							
108	0	0	0	7160	0	0	SNMP
Timers							
109	0	7296	6352	26104	0	0	HTTP
CORE							
110	0	6612	240	13532	197	175	
Ethernet Bridge							
112	0	0	0	13160	0	0	
Routing Topology							
113	0	2604	0	15764	0	0	IP
RIB Update							
114	0	1044	240	10964	0	0	DLEP
Client							

115	0	0	0	7160	0	0 NIST
rng proc						
116	0	240	240	10160	0	0
static						
117	0	284	0	13444	0	0 ADJ
resolve proc						
118	0	240	240	4160	0	0 L2X
Switching Ev						
119	0	168532	1552	174860	0	0 VPWS
Thread						
120	0	0	0	13160	0	0 VPDN
call manage						
121	0	20972	240	27892	0	0 DDP
122	0	240	240	7160	0	0 WLCCP
MFP AP						
123	0	480	240	7400	0	0 Dot1x
Supplicant						
124	0	480	240	7400	0	0 Dot1x
Supplicant						
125	0	480	240	7400	0	0 Dot1x
Supplicant						
126	0	24028	24028	10160	0	0 QoS
stats proces						
127	0	240	240	7160	0	0
Inspect process						
129	0	1184	240	8104	0	0 URL
filter proc						
130	0	240	240	7160	0	0 CSDB
Timer proce						
131	0	0	0	10160	0	0 Dot11
Echo						
132	0	240	240	10160	0	0 Dot11
Tunnel						
133	0	0	0	10160	0	0 Dot11
aap fwd						
134	0	0	0	10160	0	0 IPv6
RIB Cleanup						
135	0	0	0	10160	0	0 IPv6
RIB Event H						

136	0	0	0	10160	0	0	IPv6
Static Hand							
137	0	240	240	7160	0	0	LOCAL
AAA							
138	0	240	240	7160	0	0	AAA
Cached Serve							
139	0	240	240	7160	0	0	
ENABLE AAA							
140	0	240	240	7160	0	0	LINE
AAA							
141	0	553064	553064	7160	0	0	
Resource monitor							
142	0	1088	240	8008	0	0	TPLUS
143	0	0	0	7160	0	0	IDMGR
CORE							
144	0	240	240	10160	0	0	Soap
Consoleless							
145	0	0	0	7160	0	0	
crypto engine pr							
146	0	0	0	13160	0	0	RSA
background p							
147	0	727068	600160	74564	1	1	
Crypto CA							
148	0	240	240	13160	0	0	
Crypto PKI-CRL							
149	0	0	0	13160	0	0	
Crypto PKI-Rev-P							
150	0	944	0	14104	0	0	PKI
OCSP							
151	0	0	0	13160	0	0	PKI
Revocation							
152	0	0	0	13160	0	0	
encrypt proc							
153	0	240	240	7160	0	0	AAA
SEND STOP EV							
154	0	0	0	13160	0	0	Test
AAA Client							
155	0	240	240	7160	0	0	AP
software debu							



156	0	240	240	7160	0	0	Dot11
LBS Proc							
157	0	0	0	7160	0	0	
Syslog Traps							
158	0	9120	9120	13160	38	38	
Syslog							
160	0	240	240	13160	0	0	
HyBridge Input P							
161	0	480	240	7400	0	0	
Tbridge Monitor							
162	0	99840	24032	97556	114	117	DHCP
Client							
164	0	456	0	10616	1	1	IPv6
IDB							
165	0	0	0	10160	0	0	IPv6
background							
166	0	0	0	7160	0	0	IPv6
Address							
167	0	20484	0	30644	24	36	IPv6
Input							
168	0	224	0	10384	13	13	IPv6
ND							
169	0	2496	1872	7784	36	39	
DHCPv6 client							

219603076 Total

----- show process cpu -----

CPU utilization for five seconds: 0%/0%; one minute: 0%; five minutes: 0%

PID	Runtime(ms)	Invoked	uSecs	5Sec	1Min	5Min	TTY
Process							
1	0	51	0	0.00%	0.00%	0.00%	0
Chunk Manager							
2	0	413	0	0.00%	0.00%	0.00%	0 Load
Meter							
3	416	672	619	0.07%	0.20%	0.07%	0 Exec
4	0	1	0	0.00%	0.00%	0.00%	0 RO
Notify Timers							

5	1928	283	6812	0.00%	0.07%	0.05%	0
Check heaps							
6	0	1	0	0.00%	0.00%	0.00%	0 Pool
Manager							
7	0	1	0	0.00%	0.00%	0.00%	0
DiscardQ Backgro							
8	0	2	0	0.00%	0.00%	0.00%	0
Timers							
9	0	43	0	0.00%	0.00%	0.00%	0
WATCH_AFS							
10	0	1	0	0.00%	0.00%	0.00%	0
AAA_SERVER_DEADT							
11	0	1	0	0.00%	0.00%	0.00%	0
Policy Manager							
12	0	1	0	0.00%	0.00%	0.00%	0
Crash writer							
13	0	1	0	0.00%	0.00%	0.00%	0
Exception contro							
14	8	1682	4	0.00%	0.00%	0.00%	0
Radio Request Pr							
15	60	1245	48	0.00%	0.00%	0.00%	0
Dot11 Uplink Con							
17	0	1	0	0.00%	0.00%	0.00%	0 RMI
RM Notify Wa							
19	0	1	0	0.00%	0.00%	0.00%	0 Net
Input							
20	0	6	0	0.00%	0.00%	0.00%	0 ARP
Input							
21	0	2267	0	0.00%	0.00%	0.00%	0 ARP
Background							
22	0	3	0	0.00%	0.00%	0.00%	0
Entity MIB API							
23	0	3	0	0.00%	0.00%	0.00%	0
PrstVbl							
24	0	2059	0	0.00%	0.00%	0.00%	0
GraphIt							
25	0	2	0	0.00%	0.00%	0.00%	0
SMART							
26	0	12	0	0.00%	0.00%	0.00%	0
crypto sw pk pro							

27	0	1	0	0.00%	0.00%	0.00%	0
Critical Bkgnd							
28	0	678	0	0.00%	0.00%	0.00%	0 Net
Background							
29	0	54	0	0.00%	0.00%	0.00%	0 IDB
Work							
30	0	29	0	0.00%	0.00%	0.00%	0
Logger							
31	0	2055	0	0.00%	0.00%	0.00%	0 TTY
Background							
32	0	5	0	0.00%	0.00%	0.00%	0 IF-
MGR control p							
33	0	9	0	0.00%	0.00%	0.00%	0 IF-
MGR event pro							
35	0	2	0	0.00%	0.00%	0.00%	0
Transport Port A							
36	0	413	0	0.00%	0.00%	0.00%	0 HC
Counter Timer							
37	0	139	0	0.00%	0.00%	0.00%	0 IOS
WDT Process							
38	196	521273	0	0.07%	0.04%	0.01%	0
Dot11 driver							
39	0	2	0	0.00%	0.00%	0.00%	0
Dot11 dumper							
40	0	2	0	0.00%	0.00%	0.00%	0
Dot11 driver log							
41	0	414	0	0.00%	0.00%	0.00%	0
Compute load avg							
42	136	35	3885	0.00%	0.00%	0.00%	0 Per-
minute Jobs							
43	0	2068	0	0.00%	0.00%	0.00%	0 Per-
Second Jobs							
44	0	2061	0	0.00%	0.00%	0.00%	0
Voice Metrics Ta							
45	0	13730	0	0.00%	0.00%	0.00%	0 SOAP
LED Process							
47	0	2	0	0.00%	0.00%	0.00%	0 AAA
Dictionary R							
48	0	2	0	0.00%	0.00%	0.00%	0 AAA
Server							

49	0	1	0	0.00%	0.00%	0.00%	0	AAA
ACCT Proc								
50	0	1	0	0.00%	0.00%	0.00%	0	ACCT
Periodic Pr								
51	0	1	0	0.00%	0.00%	0.00%	0	AAA
System Acct								
52	0	36	0	0.00%	0.00%	0.00%	0	IOS
Memory Util								
53	0	2	0	0.00%	0.00%	0.00%	0	IP
ARP Adjacency								
54	0	1	0	0.00%	0.00%	0.00%	0	IP
ARP Retry Age								
55	0	49	0	0.00%	0.00%	0.00%	0	IP
Input								
56	0	1	0	0.00%	0.00%	0.00%	0	ICMP
event handl								
58	0	2	0	0.00%	0.00%	0.00%	0	
Spanning Tree								
59	0	238	0	0.00%	0.00%	0.00%	0	CDP
Protocol								
61	0	1	0	0.00%	0.00%	0.00%	0	EM
Background Pr								
62	0	2	0	0.00%	0.00%	0.00%	0	
Dot11 Offchannel								
63	0	2061	0	0.00%	0.00%	0.00%	0	
linktest								
64	0	3	0	0.00%	0.00%	0.00%	0	
Dot11 aaa proces								
65	0	35	0	0.00%	0.00%	0.00%	0	
pmkid								
66	32	1651	19	0.00%	0.00%	0.00%	0	
Dot11 Mgmt & Ass								
67	0	2	0	0.00%	0.00%	0.00%	0	
DOT11 MFP IO								
68	0	2482	0	0.00%	0.00%	0.00%	0	
AiroIAPP Protoco								
69	0	2	0	0.00%	0.00%	0.00%	0	
Triggered events								
70	0	1	0	0.00%	0.00%	0.00%	0	SSS
Manager								

71	0	1	0	0.00%	0.00%	0.00%	0	SSS
Policy Manag								
72	0	1	0	0.00%	0.00%	0.00%	0	SSS
Feature Mana								
73	0	8048	0	0.00%	0.00%	0.00%	0	SSS
Feature Time								
74	0	2	0	0.00%	0.00%	0.00%	0	SSM
connection m								
75	0	2	0	0.00%	0.00%	0.00%	0	RIB
LM VALIDATE								
76	0	2	0	0.00%	0.00%	0.00%	0	CEF
switching ba								
77	0	1	0	0.00%	0.00%	0.00%	0	ADJ
NSF process								
78	0	1	0	0.00%	0.00%	0.00%	0	AC
Switch								
79	0	2	0	0.00%	0.00%	0.00%	0	
Dot11 auth Dot1x								
80	0	1	0	0.00%	0.00%	0.00%	0	
Dot11 Mac Auth								
81	0	2054	0	0.00%	0.00%	0.00%	0	CDP
ILP Platform								
82	0	7	0	0.00%	0.00%	0.00%	0	
Dot1x Mgr Proces								
83	0	1	0	0.00%	0.00%	0.00%	0	EAP
Framework								
84	0	413	0	0.00%	0.00%	0.00%	0	
Dot11CACprocess								
85	0	2	0	0.00%	0.00%	0.00%	0	Auth
Manager								
86	0	2	0	0.00%	0.00%	0.00%	0	IP
Host Track Pr								
87	0	1	0	0.00%	0.00%	0.00%	0	
Auth-proxy AAA B								
88	0	687	0	0.00%	0.00%	0.00%	0	
Auth-proxy HTTP								
89	0	1	0	0.00%	0.00%	0.00%	0	IP
Admin SM Proc								
90	0	12	0	0.00%	0.00%	0.00%	0	
DOT11 WEBAUTH Pr								

91	0	1	0	0.00%	0.00%	0.00%	0	
802.11 Guest Use								
92	0	1	0	0.00%	0.00%	0.00%	0	
Dot11 Hotspot Pr								
93	0	1	0	0.00%	0.00%	0.00%	0	IPv6
ping proces								
94	0	1	0	0.00%	0.00%	0.00%	0	EPM
MAIN PROCESS								
95	0	2	0	0.00%	0.00%	0.00%	0	UAP
DIE process								
96	0	1	0	0.00%	0.00%	0.00%	0	TCP
Timer								
97	0	1	0	0.00%	0.00%	0.00%	0	TCP
Protocols								
98	0	35	0	0.00%	0.00%	0.00%	0	FRR
Background P								
99	0	37	0	0.00%	0.00%	0.00%	0	CEF
background p								
100	0	1	0	0.00%	0.00%	0.00%	0	
fib_fib_bfd_sb e								
101	0	1	0	0.00%	0.00%	0.00%	0	
Tunnel FIB								
102	0	1	0	0.00%	0.00%	0.00%	0	
Socket Timers								
103	0	1	0	0.00%	0.00%	0.00%	0	IP
Traceroute								
104	0	4082	0	0.00%	0.00%	0.00%	0	
CleanAir CAPWAP								
105	0	3	0	0.00%	0.00%	0.00%	0	L2MM
106	0	1	0	0.00%	0.00%	0.00%	0	MRD
107	0	3	0	0.00%	0.00%	0.00%	0	
IGMPSN								
108	0	2	0	0.00%	0.00%	0.00%	0	SNMP
Timers								
109	0	10	0	0.00%	0.00%	0.00%	0	HTTP
CORE								
110	0	129	0	0.00%	0.00%	0.00%	0	
Ethernet Bridge								
112	0	2	0	0.00%	0.00%	0.00%	0	
Routing Topology								

113	0	5	0	0.00%	0.00%	0.00%	0	IP
RIB Update								
114	0	92	0	0.00%	0.00%	0.00%	0	DLEP
Client								
115	0	1	0	0.00%	0.00%	0.00%	0	NIST
rng proc								
116	0	7	0	0.00%	0.00%	0.00%	0	
static								
117	0	2	0	0.00%	0.00%	0.00%	0	ADJ
resolve proc								
118	0	2	0	0.00%	0.00%	0.00%	0	L2X
Switching Ev								
119	4	2	2000	0.00%	0.00%	0.00%	0	VPWS
Thread								
120	0	1	0	0.00%	0.00%	0.00%	0	VPDN
call manage								
121	0	2	0	0.00%	0.00%	0.00%	0	DDP
122	0	105	0	0.00%	0.00%	0.00%	0	
WLCCP MFP AP								
123	0	2	0	0.00%	0.00%	0.00%	0	
Dot1x Supplicant								
124	0	2	0	0.00%	0.00%	0.00%	0	
Dot1x Supplicant								
125	0	2	0	0.00%	0.00%	0.00%	0	
Dot1x Supplicant								
126	0	202	0	0.00%	0.00%	0.00%	0	QoS
stats proces								
127	0	4021	0	0.00%	0.00%	0.00%	0	
Inspect process								
129	0	2	0	0.00%	0.00%	0.00%	0	URL
filter proc								
130	0	2	0	0.00%	0.00%	0.00%	0	CSDB
Timer proce								
131	0	1	0	0.00%	0.00%	0.00%	0	
Dot11 Echo								
132	0	2	0	0.00%	0.00%	0.00%	0	
Dot11 Tunnel								
133	0	1	0	0.00%	0.00%	0.00%	0	
Dot11 aap fwd								

134	0	1	0	0.00%	0.00%	0.00%	0	IPv6
RIB Cleanup								
135	0	6	0	0.00%	0.00%	0.00%	0	IPv6
RIB Event H								
136	0	1	0	0.00%	0.00%	0.00%	0	IPv6
Static Hand								
137	0	3	0	0.00%	0.00%	0.00%	0	
LOCAL AAA								
138	0	2	0	0.00%	0.00%	0.00%	0	AAA
Cached Serve								
139	0	2	0	0.00%	0.00%	0.00%	0	
ENABLE AAA								
140	0	2	0	0.00%	0.00%	0.00%	0	LINE
AAA								
141	0	519	0	0.00%	0.00%	0.00%	0	
Resource monitor								
142	0	2	0	0.00%	0.00%	0.00%	0	
TPLUS								
143	0	1	0	0.00%	0.00%	0.00%	0	
IDMGR CORE								
144	0	2	0	0.00%	0.00%	0.00%	0	Soap
Consoleless								
145	0	2	0	0.00%	0.00%	0.00%	0	
crypto engine pr								
146	0	1	0	0.00%	0.00%	0.00%	0	RSA
background p								
147	44	4	11000	0.00%	0.00%	0.00%	0	
Crypto CA								
148	4	3	1333	0.00%	0.00%	0.00%	0	
Crypto PKI-CRL								
149	0	1	0	0.00%	0.00%	0.00%	0	
Crypto PKI-Rev-P								
150	0	1	0	0.00%	0.00%	0.00%	0	PKI
OCSF								
151	0	1	0	0.00%	0.00%	0.00%	0	PKI
Revocation								
152	0	1	0	0.00%	0.00%	0.00%	0	
encrypt proc								
153	0	2	0	0.00%	0.00%	0.00%	0	AAA
SEND STOP EV								



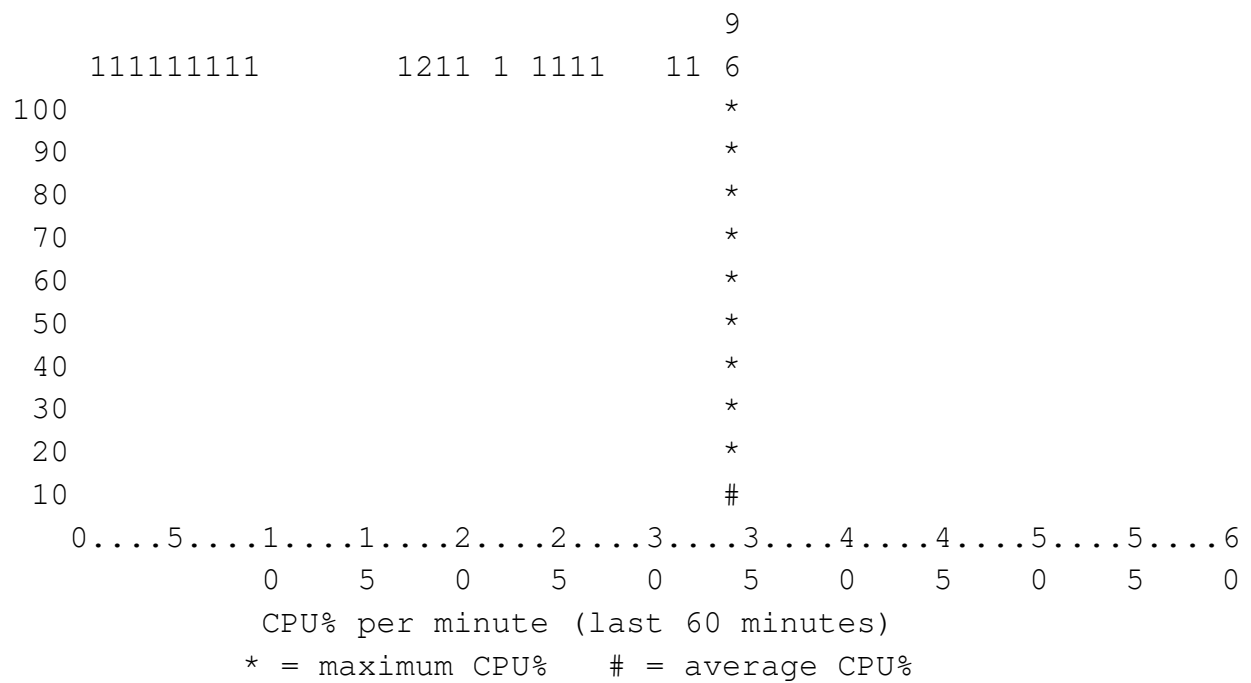
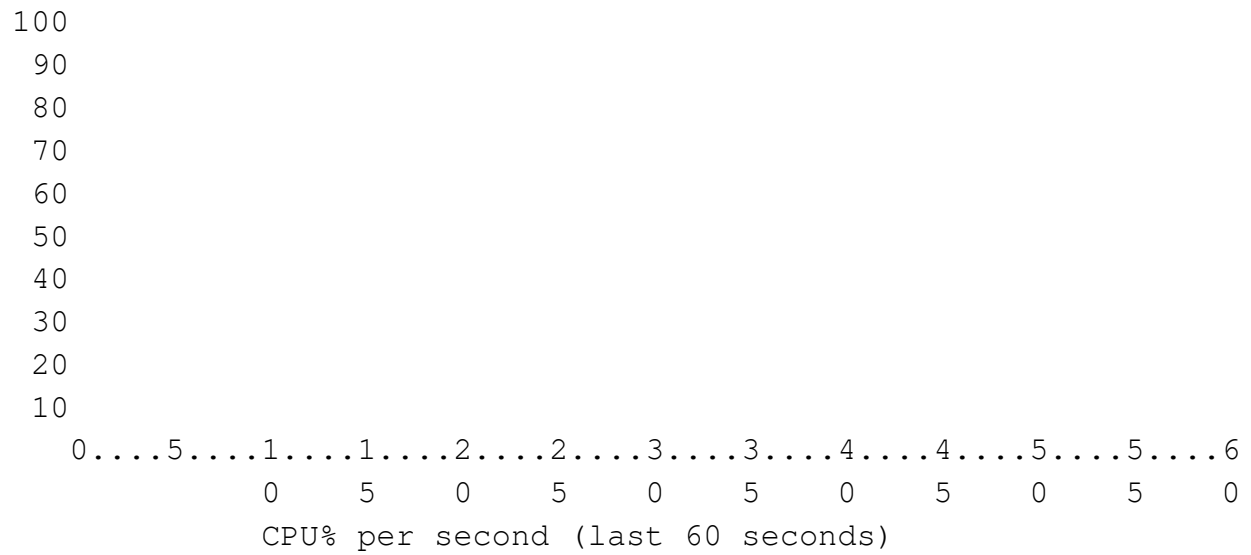
154	0	1	0	0.00%	0.00%	0.00%	0	Test
AAA Client								
155	0	2	0	0.00%	0.00%	0.00%	0	AP
software debu								
156	0	2	0	0.00%	0.00%	0.00%	0	
Dot11 LBS Proc								
157	0	1	0	0.00%	0.00%	0.00%	0	
Syslog Traps								
158	0	16	0	0.00%	0.00%	0.00%	0	
Syslog								
160	0	4	0	0.00%	0.00%	0.00%	0	
HyBridge Input P								
161	0	2311	0	0.00%	0.00%	0.00%	0	
Tbridge Monitor								
162	0	2075	0	0.00%	0.00%	0.00%	0	DHCP
Client								
164	0	2	0	0.00%	0.00%	0.00%	0	IPv6
IDB								
165	0	139	0	0.00%	0.00%	0.00%	0	IPv6
background								
166	0	1	0	0.00%	0.00%	0.00%	0	IPv6
Address								
167	4	53	75	0.00%	0.00%	0.00%	0	IPv6
Input								
168	0	25	0	0.00%	0.00%	0.00%	0	IPv6
ND								
169	0	31	0	0.00%	0.00%	0.00%	0	
DHCPv6 client								

----- show process cpu history -----

ap 12:35:05 AM Monday Mar 1 1993 UTC

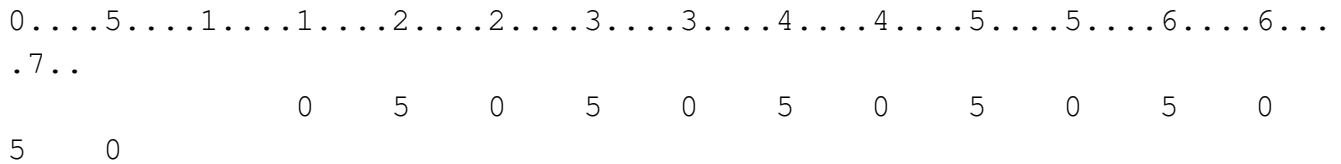
11111

22222



100

90  
80  
70  
60  
50  
40  
30  
20  
10



CPU% per hour (last 72 hours)  
\* = maximum CPU% # = average CPU%

----- show dot11 associations all-client  
-----

Address	: 12fb.054f.d795	Name	: NONE
IP Address	: 0.0.0.0	IPv6 Address	:
FE80::81B:E8BD:DFD6:49AA			
FE80::DAB1:90FF:FE43:8BC			
FE80::1060:8B21:C7C6:E891			
Gateway Address	: 0.0.0.0		
Netmask Address	: 0.0.0.0	Interface	: Dot11Radio
0			
Bridge-group	: 0		
reap_flags_1	: 0x0	ip_learn_type	: 0x0
transient_static_ip	: 0x0		
Device	: unknown	Software Version	: NONE
CCX Version	: NONE	Client MFP	: Off
State	: Assoc	Parent	: -

```

SSID                : E-iPhone
VLAN                 : 0
Hops to Infra       : -1
Tunnel Address       : 0.0.0.0
Key Mgmt type        : WPAv2 PSK
Current Rate         : m15-2
ShortHdr ShortSlot
Supported Rates      : 1.0 2.0 5.5 11.0 6.0 9.0 12.0 18.0 24.0 36.0 48.0
54.0 m0-2 m1-2 m2-2 m3-2 m4-2 m5-2 m6-2 m7-2 m8-2 m9-2 m10-2 m11-2
m12-2 m13-2 m14-2 m15-2
Voice Rates          : disabled
Signal Strength      : -37 dBm
Signal to Noise      : 47 dB
Power-save           : Off
Apsd DE AC(s)       : NONE

Packets Input        : 3813
Bytes Input          : 798485
Duplicates Rcvd      : 1
Decrypt Failed       : 0
MIC Failed           : 0
Packets Redirected   : 0
IP source guard failed : 0
DAI failed : IP mismatch : 0
target MAC mismatch : 0
Existing IP failed   : 0
Client Vlan          : 0
11w Status           : Off
Client SGT            : 0

Association Id       : 1
Encryption           : AES-CCMP
Capability            : WMM
Bandwidth             : 20 MHz
Connected for        : 406 seconds
Activity Timeout     : 7 seconds
Last Activity        : 8 seconds
ago

Packets Output       : 49
Bytes Output         : 7790
Data Retries         : 25
RTS Retries          : 0
MIC Missing           : 0
Redirect Filtered    : 0
PPPoE passthrough failed : 0
src MAC mismatch     : 0

New IP failed        : 0

```

```

----- show crypto key mypubkey rsa -----

```

```

----- show inventory -----

```

```

NAME: "AP3700", DESCR: "Cisco Aironet 3700 Series (IEEE 802.11ac)
Access Point"
PID: AIR-CAP3702I-B-K9 , VID: V04, SN: FCW1921NWKB

```

----- show region -----

Region Manager:

Start	End	Size(b)	Class	Media	Name
0x00000000	0x00000FFF	4096	Local	R/W	rambase
0x00080000	0x003FFFFFFF	3670016	Iomem	R/W	iomem2
0x01003000	0x17FFD7FF	385853440	Local	R/W	main
0x01003000	0x02BB2BFF	29031424	IText	R/W	main:text
0x03000000	0x039A9777	10131320	IData	R/W	main:data
0x039A9778	0x0426B83F	9183432	IBss	R/W	main:bss
0x0426B844	0x17FFD7FF	332996540	Local	R/W	main:heap
0x18000000	0x1FFFFFFF	134217728	Iomem	R/W	iomem
0xFF400000	0xFF40FBFF	64512	Fast	R/W	dpaa_sram

Free Region Manager:

Start	End	Size(b)	Class	Media	Name
-------	-----	---------	-------	-------	------

----- Mempool statistics -----

	Head	Total (b)	Used (b)	Free (b)	Lowest (b)
Largest (b)					
Processor	426B844	332996540	98362600	234633940	232572676
232353204					
I/O	18000000	134217728	119150472	15067256	13506332
13506328					
I/O	80000	3670016	2143532	1526484	1500860
843480					
SRAM	FF400000	64512	61032	3480	3480
3452					

----- Top 100 allocator pc summary -----

Allocator PC Summary for: Processor

PC	Total	Count	Name
0x011FD44C	53510868	42201	*Packet Header*
0x014EBE14	12582964	1	soap_flash init
0x01871B84	6681332	1	Init
0x0183E154	2085624	2	802.11 driver Instance
0x0133A064	1325372	161	Process Stack
0x011B3DEC	1048628	1	ios logger
0x021C69C4	929384	2	Init
0x01823C38	737332	1	Init
0x01D86958	720156	2	event
0x012BAA20	649216	512	*Packet Header*
0x021C5704	647948	511	*Packet Header*
0x01A13DA0	640156	2	event
0x010E2804	553008	6	event_trace_tbs
0x014D1134	541404	27	Flashfs Sector
0x02A9DFD8	508128	7	XOS_MEM_BASE
0x029D9C18	489504	40	TW Buckets
0x012F0BF8	466452	9	pak subblock chunk
0x025B942C	384156	2	ccecp
0x025BEF4C	384156	2	ppcp
0x025F5D6C	384156	2	ppm
0x011013D8	375856	52	Exec
0x02A8CCD8	304376	9	XC VPWS Service Chunk
0x01B53CDC	262248	2	CEF: hash table
0x02923BC8	232156	2	tunnel
0x020740E8	206276	2539	Init
0x010A1808	198260	1	Init
0x010A181C	198260	1	Init
0x014D38C4	180468	9	Flashfs Sector
0x02BA7888	166300	35	DPAA INIT
0x024F27F0	159624	600	Init
0x012B9944	154412	1	Pool Cache
0x014CEA10	142136	6	Init
0x014CEA20	142136	6	Init
0x014CCBE4	140156	2	nvram

0x012D3994	138012	159	Process
0x01798E74	131696	4	CCE dp subblock
0x028CA6DC	131176	2	regex
0x011F6424	131124	1	*Init*
0x01779128	113544	1494	MDB Lookup List
0x02161F44	112048	3	VPWS Mgr DB
0x01BB574C	90724	4	OCE reinject ha
0x01307FE8	90088	309	Init
0x02A27AC0	89404	52	Crypto CA
0x01B5DD4C	88156	2	cef_interface
0x01C0D228	88156	2	adjacency
0x02B0B85C	85252	22	RIB_RWATCH route nodes
0x01307F3C	80416	8	RMI RO-RU Chunk
0x0183AB88	78952	2	Init
0x014D1BAC	78840	135	Dot11 Uplink Control Process
0x0168F220	77252	1	Spanning Tree Opt Port Block
0x01D86980	72156	2	major
0x01B6BB30	72156	2	cef_loop_events
0x0183AC54	69456	2	Dot11 driver bcn_probe IE chunk
0x0286C604	68876	2	FW SID
0x01796E70	67804	2	CCE dp feature object element
0x01797188	67804	2	CCE dp feature
0x01796DF8	67392	2	CCE dp class instance
0x01796DCC	67120	2	CCE dp class
0x02892074	66424	2	FW FTP chunk
0x0286C568	66228	2	FW sis
0x0286C650	66228	2	FW sis
0x01796DA4	66080	2	CCE dp class group
0x017D71B8	66028	2	udb stat feature object
0x017BEF40	66028	2	CCE dp feature object
0x01BECAE0	66004	2	TAL: MTRIE n08
0x015F306C	65896	2	Init
0x026D4B7C	65888	2	L4F stream State handles
0x024E1B18	65888	4	Init
0x01798E28	65848	2	CCE dp subblock
0x012C1C24	65588	1	Memory RO User Info Chunks
0x01336E64	65588	1	CPU RO RU Chunks
0x01228FE4	65588	1	Buffer RO RU Chunks
0x0122900C	65588	1	Buffer RU Notify Chunks
0x01D0A114	65588	1	L2X Sw Sn chunk

0x0122A228	65588	1	Buffer Display Chunks
0x0124164C	65588	1	IDB List Element Chunks
0x024CC388	65588	1	Arch Filesystem chunk for storing the file-dir structure
0x015F36B4	65588	1	IF-MGR No layer stack tree elements
0x015F5D68	65588	1	IF-MGR TDB node
0x015E8734	65588	1	IF-MGR DB elements
0x015F3708	65588	1	IF-MGR Stack tree elements
0x015F5E54	65588	1	IF-MGR TDB node
0x015E96F0	65588	1	IF-MGR control process elements
0x0185B718	65588	1	dot11drvrv clients
0x0185B7F0	65588	1	AVC client FID chunks info
0x018FD400	65588	1	Dot11 Mgmt SSID Chunk
0x018FD42C	65588	1	Dot11 Mgmt SSID Config. Chunk
0x018D36C8	65588	1	Dot11 Pmkid Record Chunks
0x018F456C	65588	1	Dot11 Mgmt Station Chunk
0x018F40C8	65588	1	Dot11 Mgmt Central Authenticated Station Chunk
0x018F4110	65588	1	Dot11 Mgmt Central AUth Station Ext info Chunk
0x018F4084	65588	1	Dot11 Mgmt Station PMIP info Chunk
0x028CA7F8	65588	1	regex
0x0214F888	65588	1	MallocLite
0x01E3ACF8	65588	1	l2tun app socket msg chunks
0x01E7D238	65588	1	VPDN msg chunks
0x01E717A0	65588	1	VPDN mgr call chunk
0x01E6F300	65588	1	VPDN call req chunk
0x01E7B550	65588	1	VPDN user info chunks
0x025C76B4	65588	1	classmap chunk

#### Allocator PC Summary for: I/O

PC	Total	Count	Name
0x011FD4AC	119080192	43274	*Packet Data*
0x021BF88C	31656	2	marvell firmware
0x0148CEB4	16468	1	CleanAir mailbox
0x012A948C	15824	1	*Init*
0x021BF8AC	2536	2	marvell cmd log 0
0x021BF8CC	2536	2	marvell cmd log 1



0x014A4248	692	1	Init
0x028C8B08	152	2	Init

Allocator PC Summary for: I/O

PC	Total	Count	Name
0x02BA7868	2022476	3047	DPAA INIT

Allocator PC Summary for: SRAM

PC	Total	Count	Name
----	-------	-------	------

----- show buffers -----

Buffer elements:

2242 in free list  
1010 hits, 0 misses, 1242 created

Public buffer pools:

Small buffers, 104 bytes (total 50, permanent 50, peak 128 @ 00:35:19):

31 in free list (20 min, 150 max allowed)  
452 hits, 0 misses, 0 trims, 0 created  
0 failures (0 no memory)

Middle buffers, 600 bytes (total 28, permanent 25, peak 256 @ 00:35:19):

28 in free list (10 min, 150 max allowed)  
62 hits, 1 misses, 0 trims, 3 created  
0 failures (0 no memory)

Big buffers, 1536 bytes (total 50, permanent 50, peak 128 @ 00:35:19):

20 in free list (5 min, 150 max allowed)  
495 hits, 0 misses, 0 trims, 0 created  
0 failures (0 no memory)

Bigger buffers, 2500 bytes (total 256, permanent 256):

256 in free list (0 min, 256 max allowed)

```

    0 hits, 0 misses, 0 trims, 0 created
    0 failures (0 no memory)
VeryBig buffers, 4520 bytes (total 10, permanent 10, peak 256 @
00:35:19):
    10 in free list (0 min, 100 max allowed)
    0 hits, 0 misses, 0 trims, 0 created
    0 failures (0 no memory)
Large buffers, 5024 bytes (total 1, permanent 0, peak 1 @ 00:35:19):
    1 in free list (0 min, 10 max allowed)
    0 hits, 0 misses, 0 trims, 1 created
    0 failures (0 no memory)
Huge buffers, 18024 bytes (total 1, permanent 0, peak 1 @ 00:35:19):
    1 in free list (0 min, 4 max allowed)
    0 hits, 0 misses, 0 trims, 1 created
    0 failures (0 no memory)

```

#### Interface buffer pools:

```

Wlan Pool buffers, 2500 bytes (total 42878, permanent 42878):
    4288 in free list (0 min, 42878 max allowed)
    38590 hits, 0 misses
    38590 max cache size, 37564 in cache
    44765 hits in cache, 0 misses in cache

```

#### Header pools:

```

----- show buffers usage -----

```

```

Statistics for the Small pool
Output IDB      :      Gi0 count:      18
Caller pc       : 0x 134F7D8 count:      16
Resource User: Net Backgr count:      16
Output IDB      :      Do0 count:       1
Caller pc       : 0x 18673EC count:       1
Resource User: Dot11 driv count:       1
Input IDB       :      BV1 count:       2
Caller pc       : 0x 29E9310 count:       2
Resource User: Ethernet B count:       2

```

Number of Buffers used by packets generated by system: 50  
Number of Buffers used by incoming packets: 0

Statistics for the Middle pool

Number of Buffers used by packets generated by system: 28  
Number of Buffers used by incoming packets: 0

Statistics for the Big pool

Output IDB : Gi0 count: 28  
Caller pc : 0x 172969C count: 8  
Resource User: CDP ILP Pl count: 3  
Input IDB : BV1 count: 20  
Caller pc : 0x 271D20C count: 7  
Resource User: Ethernet B count: 20  
Output IDB : BV1 count: 2  
Caller pc : 0x 1351D8C count: 2  
Resource User: Init count: 1  
Resource User: CDP Protoc count: 4  
Caller pc : 0x 157BF94 count: 9  
Caller pc : 0x 196DA08 count: 2  
Resource User: DHCPv6 cli count: 1  
Resource User: Net Backgr count: 1  
Caller pc : 0x 294C9D8 count: 2  
Number of Buffers used by packets generated by system: 50  
Number of Buffers used by incoming packets: 0

Statistics for the Bigger pool

Number of Buffers used by packets generated by system: 256  
Number of Buffers used by incoming packets: 0

Statistics for the VeryBig pool

Number of Buffers used by packets generated by system: 10  
Number of Buffers used by incoming packets: 0

Statistics for the Large pool

Number of Buffers used by packets generated by system: 1  
Number of Buffers used by incoming packets: 0

Statistics for the Huge pool

Number of Buffers used by packets generated by system: 1

Number of Buffers used by incoming packets: 0

Statistics for the Wlan Pool pool

Caller pc : 0x 21C5704 count: 511

Resource User: Dot11 Mgmt count: 255

Resource User: ARP Input count: 1

Resource User: IPv6 Input count: 1

Caller pc : 0x 12BAA20 count: 512

Resource User: Init count: 767

Input IDB : Vi0 count: 2

Output IDB : Gi0 count: 2

Caller pc : 0x 171FD94 count: 2

Input IDB : Do0 count: 2

Caller pc : 0x 217D27C count: 1

Resource User: Dot11 Upli count: 1

Resource User: Dot1x Mgr count: 1

Number of Buffers used by packets generated by system: 42878

Number of Buffers used by incoming packets: 0

Statistics for the SW Crypto Header pool

Caller pc : 0x 2442898 count: 1

Resource User: Init count: 1

Number of Buffers used by packets generated by system: 2

Number of Buffers used by incoming packets: 0

ap#copy run lab4.cofn# ## #fig# ## ## #nfig

Destination filename [lab4.config]?

1700 bytes copied in 0.080 secs (21250 bytes/sec)

ap#

ap#

ap#

\*Mar 1 00:50:08.075: %DOT11-4-UPLINK\_DOWN: Interface Dot11Radio0,  
parent lost: Too many retries

\*Mar 1 00:50:18.459: %DOT11-4-CANT\_ASSOC: Interface Dot11Radio0,  
cannot associate: EAP authenticating

\*Mar 1 00:50:36.459: %DOT11-4-CANT\_ASSOC: Interface Dot11Radio0,  
cannot associate: No Response

\*Mar 1 00:50:38.459: %DOT11-4-CANT\_ASSOC: Interface Dot11Radio0,  
cannot associate: Authenticating  
\*Mar 1 00:50:44.723: %LINK-6-UPDOWN: Interface Dot11Radio0, changed  
state to down  
\*Mar 1 00:50:45.723: %LINEPROTO-5-UPDOWN: Line protocol on Interface  
Dot11Radio0, changed state to down  
\*Mar 1 00:50:55.459: %DOT11-4-CANT\_ASSOC: Interface Dot11Radio0,  
cannot associate: Authenticating

## References

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