

Report for: Wifi Capacity Test

Fri May 15 10:47:21 IST 2026

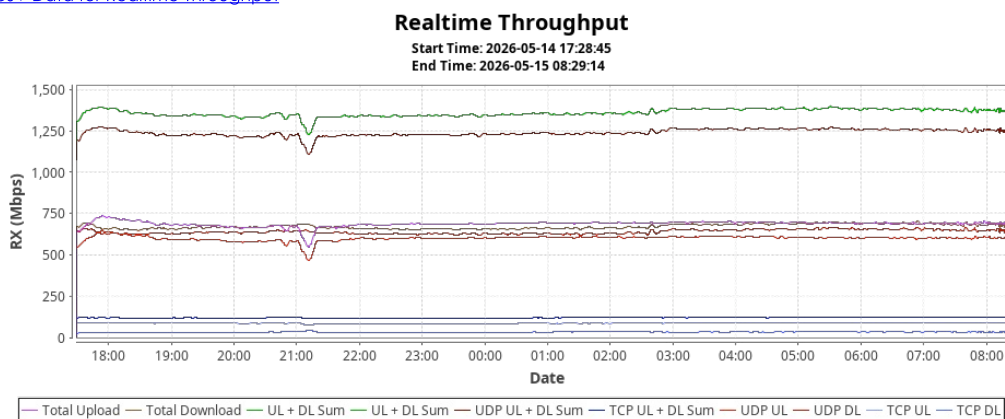


Objective

The Candela WiFi Capacity test is designed to measure performance of an Access Point when handling different amounts of WiFi Stations. The test allows the user to increase the number of stations in user defined steps for each test iteration and measure the per station and the overall throughput for each trial. Along with throughput other measurements made are client connection times, Fairness, % packet loss, DHCP times and more. The expected behavior is for the AP to be able to handle several stations (within the limitations of the AP specs) and make sure all stations get a fair amount of airtime both in the upstream and downstream. An AP that scales well will not show a significant over-all throughput decrease as more stations are added.

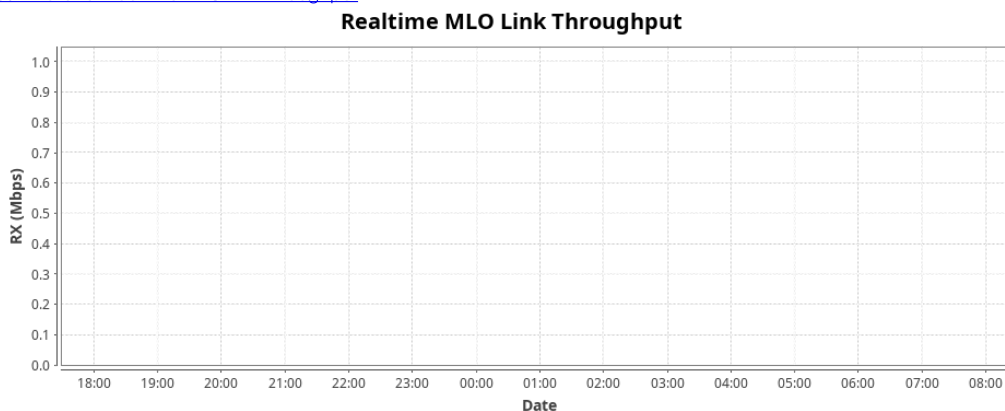
Realtime Graph shows summary download and upload RX Goodput rate of connections created by this test. Goodput does not include Ethernet, IP, UDP/TCP header overhead.

[CSV Data for Realtime Throughput](#)



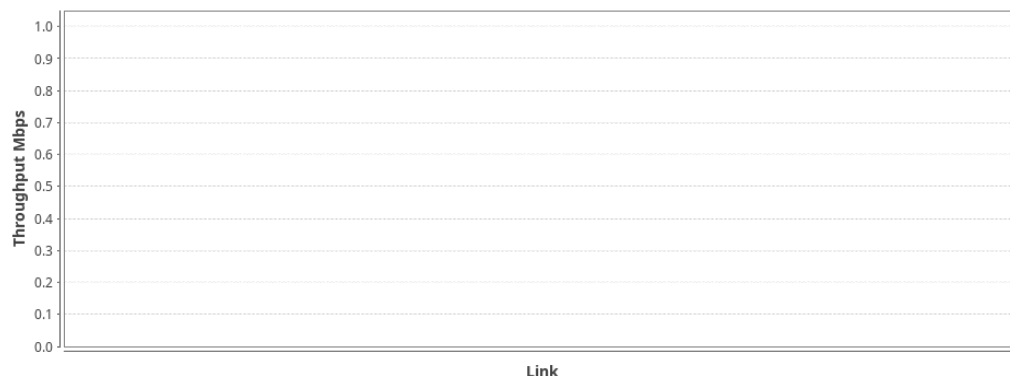
Realtime Link Graph shows summary download and upload RX rate for WiFi MLO Links.

[CSV Data for Realtime MLO Link Throughput](#)



Throughput vs Link shows the average throughput on a per-MLO-link basis over the course of the entire test. In WiFi Capacity test, the

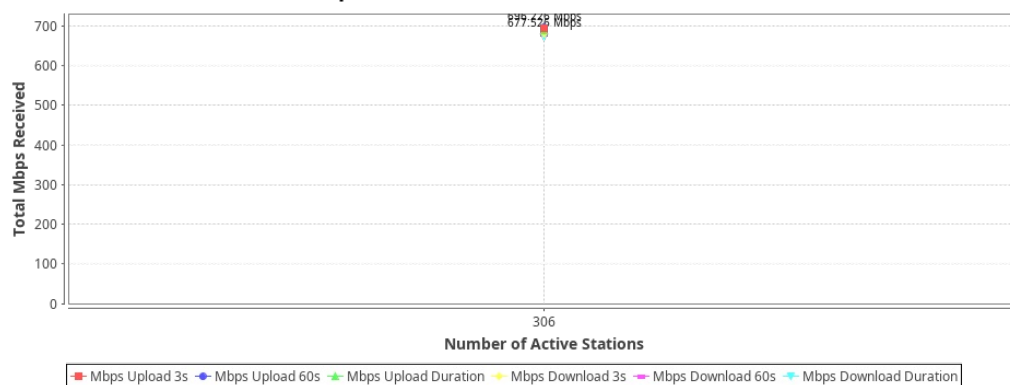
Per-Link Average Throughput



Total Megabits-per-second transferred. This only counts the protocol payload, so it will not count the Ethernet, IP, UDP, TCP or other header overhead. A well behaving system will show about the same rate as stations increase. If the rate decreases significantly as stations increase, then it is not scaling we

[CSV Data for Total Mbps Received vs Number of Stations Active](#)

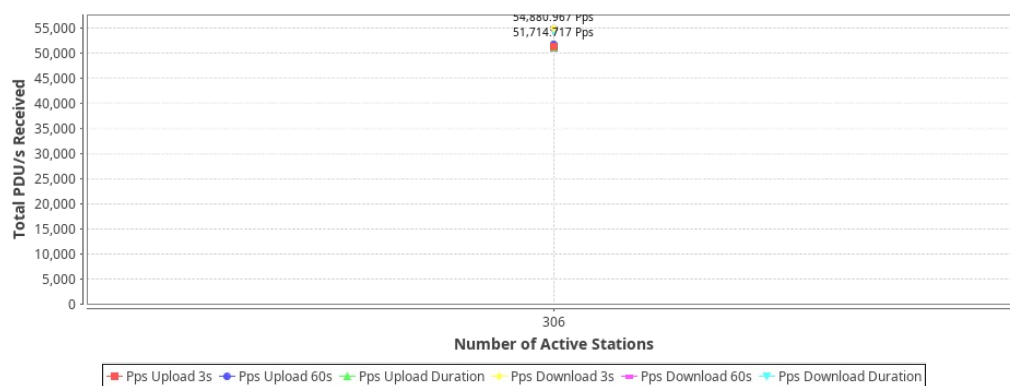
Total Mbps Received vs Number of Stations Active



Protocol-Data-Units received. For TCP, this does not mean much, but for UDP connections, this correlates to packet size. If the PDU size is larger than what fits into a single frame, then the network stack will segment it accordingly. A well behaving system will show about the same rate as stations increase. If the rate decreases significantly as stations increase, then it is not scaling well.

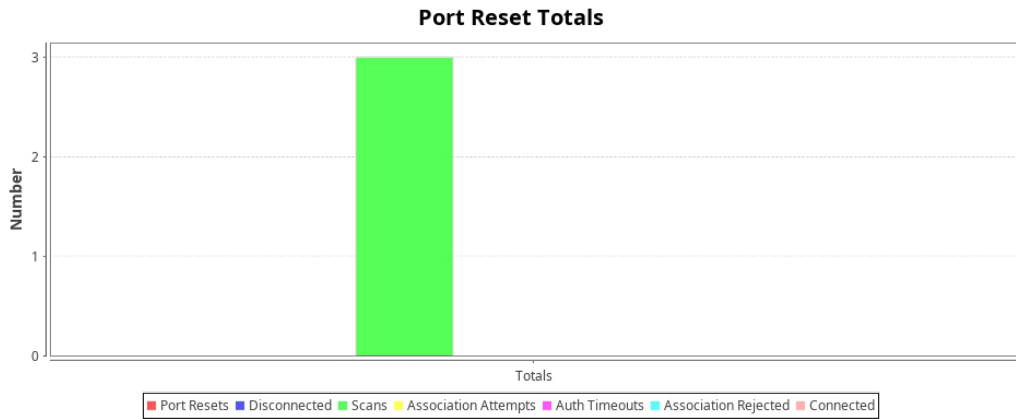
[CSV Data for Total PDU/s Received vs Number of Stations Active](#)

Total PDU/s Received vs Number of Stations Active



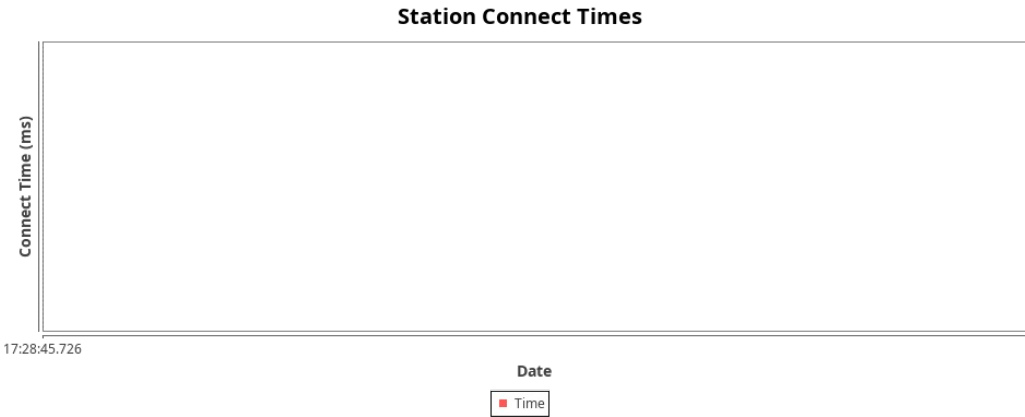
Station disconnect stats. These will be only for the last iteration. If the 'Clear Reset Counters' option is selected, the stats are cleared after the initial association. Any re-connects reported indicate a potential stability issue. Can be used for long-term stability testing in cases where you bring up all stations in one iteration and then run the test for a longer duration. Note: Port Resets shown in the graph happened after the initial association.

[CSV Data for Port Reset Totals](#)



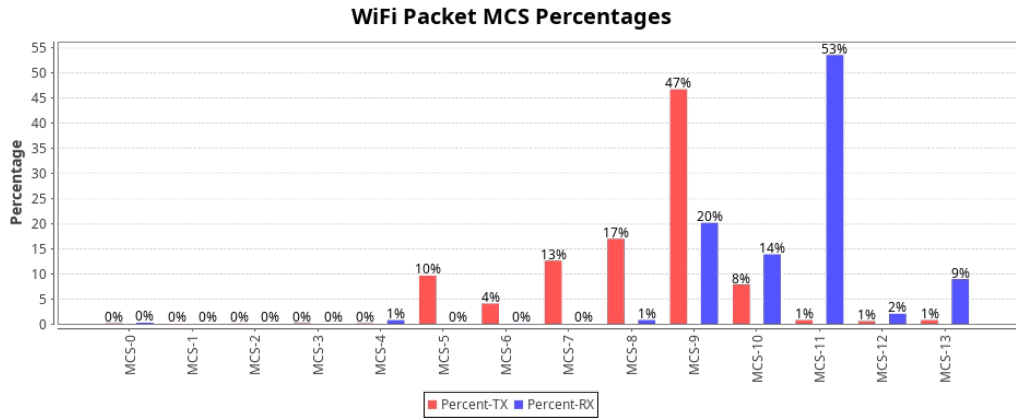
Station connect time is calculated from the initial Authenticate message through the completion of Open or RSN association/authentication.

[CSV Data for Station Connect Times](#)



Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

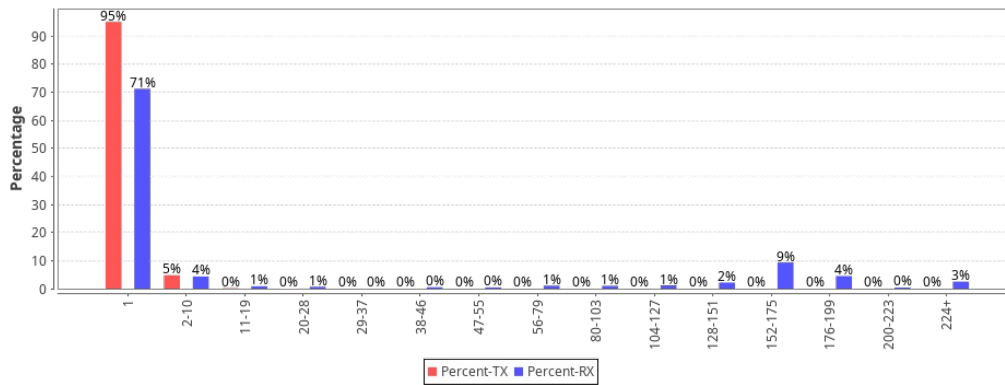
[CSV Data for WiFi Packet MCS Percentages](#)



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for WiFi Packet AMPDU Length Percentages](#)

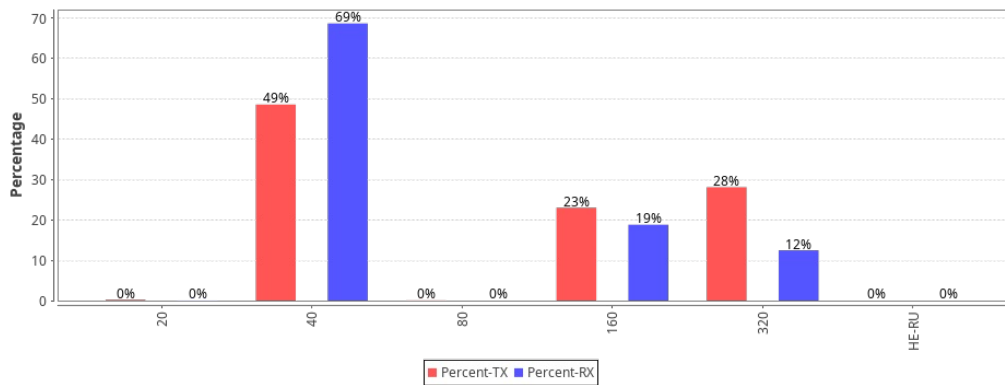
WiFi Packet AMPDU Length Percentages



Histogram for WiFi bandwidths for packets sent and received by the wifi radios in the test.

[CSV Data for WiFi Bandwidth Percentages](#)

WiFi Bandwidth Percentages



Wifi-Capacity Test requested values

Station Increment:	306
Loop Iterations:	Single (1)
Duration:	15h
Estimated Run Duration:	15.008 h
Layer 4-7 Endpoint:	NONE
IP Version	IPv4
MSS	AUTO
Per-Station Download Rate	3m
Per-Station Upload Rate	3M
Protocol:	TCP and UDP
Payload Size:	AUTO
Socket buffer size:	OS Default
IP ToS:	Best Effort (0)

Multi-Conn:	AUTO
UDP-GRO	false
UDP-Burst	false
Use existing URL rate	false
Allow Fragmentation	true
Set Bursty Minimum Speed:	Burst Mode Disabled (-1)
Percentage TCP Rate:	10% (10%)
Randomize Rates	true
Leave Ports Up	true
Advanced Latency Reporting	false
Settle Time:	5 sec (5 s)
Rpt Timer:	fast (1 s)
Graph Max Samples:	Suggested (1,080)
Graph Compression Interval:	Suggested (5 min) (5 m)
Show-Per-Iteration-Charts	true
Show-Per-Loop-Totals	true
Hunt-Lower-Rates	false
Show Events	true
Clear Reset Counters	false
CSV Reporting Dir	- not selected -
Build Date	Tue Mar 17 12:21:50 PM PDT 2026
Build Version	5.5.2
Git Version	4ad55f4741fc3c9b2a2299dec22886d952fc26a2
	1.1.eth2 1.1.sta00001 1.1.sta00501 1.1.sta01001 1.1.sta01501 1.1.sta02001 1.1.sta02501 1.1.sta03001 1.1.sta03501 1.1.sta04001 1.1.sta00002 1.1.sta00502 1.1.sta01002 1.1.sta01502 1.1.sta02002 1.1.sta02502 1.1.sta03002 1.1.sta03502 1.1.sta04002 1.1.sta00003 1.1.sta00503 1.1.sta01003 1.1.sta01503 1.1.sta02003 1.1.sta02503 1.1.sta03003 1.1.sta03503 1.1.sta04003 1.1.sta00004 1.1.sta00504 1.1.sta01004 1.1.sta01504 1.1.sta02004 1.1.sta02504 1.1.sta03004 1.1.sta03504 1.1.sta04004 1.1.sta00005 1.1.sta00505 1.1.sta01005 1.1.sta01505 1.1.sta02005 1.1.sta02505 1.1.sta03005 1.1.sta03505 1.1.sta04005 1.1.sta00006 1.1.sta00506 1.1.sta01006 1.1.sta01506 1.1.sta02006 1.1.sta02506 1.1.sta03006 1.1.sta03506 1.1.sta04006 1.1.sta00007 1.1.sta00507 1.1.sta01007 1.1.sta01507 1.1.sta02007 1.1.sta02507 1.1.sta03007 1.1.sta03507 1.1.sta04007 1.1.sta00008 1.1.sta00508 1.1.sta01008 1.1.sta01508 1.1.sta02008 1.1.sta02508 1.1.sta03008 1.1.sta03508 1.1.sta04008 1.1.sta00009 1.1.sta00509 1.1.sta01009 1.1.sta01509 1.1.sta02009 1.1.sta02509 1.1.sta03009 1.1.sta03509 1.1.sta04009 1.1.sta00010 1.1.sta00510 1.1.sta01010

Ports	1.1.sta01510 1.1.sta02010 1.1.sta02510 1.1.sta03010 1.1.sta03510 1.1.sta04010 1.1.sta00011 1.1.sta00511 1.1.sta01011 1.1.sta01511 1.1.sta02011 1.1.sta02511 1.1.sta03011 1.1.sta03511 1.1.sta04011 1.1.sta00012 1.1.sta00512 1.1.sta01012 1.1.sta01512 1.1.sta02012 1.1.sta02512 1.1.sta03012 1.1.sta03512 1.1.sta04012 1.1.sta00013 1.1.sta00513 1.1.sta01013 1.1.sta01513 1.1.sta02013 1.1.sta02513 1.1.sta03013 1.1.sta03513 1.1.sta04013 1.1.sta00014 1.1.sta00514 1.1.sta01014 1.1.sta01514 1.1.sta02014 1.1.sta02514 1.1.sta03014 1.1.sta03514 1.1.sta04014 1.1.sta00015 1.1.sta00515 1.1.sta01015 1.1.sta01515 1.1.sta02015 1.1.sta02515 1.1.sta03015 1.1.sta03515 1.1.sta04015 1.1.sta00016 1.1.sta00516 1.1.sta01016 1.1.sta01516 1.1.sta02016 1.1.sta02516 1.1.sta03016 1.1.sta03516 1.1.sta04016 1.1.sta00017 1.1.sta00517 1.1.sta01017 1.1.sta01517 1.1.sta02017 1.1.sta02517 1.1.sta03017 1.1.sta03517 1.1.sta04017 1.1.sta00018 1.1.sta00518 1.1.sta01018 1.1.sta01518 1.1.sta02018 1.1.sta02518 1.1.sta03018 1.1.sta03518 1.1.sta04018 1.1.sta00019 1.1.sta00519 1.1.sta01019 1.1.sta01519 1.1.sta02019 1.1.sta02519 1.1.sta03019 1.1.sta03519 1.1.sta04019 1.1.sta00020 1.1.sta00520 1.1.sta01020 1.1.sta01520 1.1.sta02020 1.1.sta02520 1.1.sta03020 1.1.sta03520 1.1.sta04020 1.1.sta00021 1.1.sta00521 1.1.sta01021 1.1.sta01521 1.1.sta02021 1.1.sta02521 1.1.sta03021 1.1.sta03521 1.1.sta04021 1.1.sta00022 1.1.sta00522 1.1.sta01022 1.1.sta01522 1.1.sta02022 1.1.sta02522 1.1.sta03022 1.1.sta03522 1.1.sta04022 1.1.sta00023 1.1.sta00523 1.1.sta01023 1.1.sta01523 1.1.sta02023 1.1.sta02523 1.1.sta03023 1.1.sta03523 1.1.sta04023 1.1.sta00024 1.1.sta00524 1.1.sta01024 1.1.sta01524 1.1.sta02024 1.1.sta02524 1.1.sta03024 1.1.sta03524 1.1.sta04024 1.1.sta00025 1.1.sta00525 1.1.sta01025 1.1.sta01525 1.1.sta02025 1.1.sta02525 1.1.sta03025 1.1.sta03525 1.1.sta04025 1.1.sta00026 1.1.sta00526 1.1.sta01026 1.1.sta01526 1.1.sta02026 1.1.sta02526 1.1.sta03026 1.1.sta03526 1.1.sta04026 1.1.sta00027 1.1.sta00527 1.1.sta01027 1.1.sta01527 1.1.sta02027 1.1.sta02527 1.1.sta03027 1.1.sta03527 1.1.sta04027 1.1.sta00028 1.1.sta00528 1.1.sta01028 1.1.sta01528 1.1.sta02028 1.1.sta02528 1.1.sta03028 1.1.sta03528 1.1.sta04028 1.1.sta00029 1.1.sta00529 1.1.sta01029 1.1.sta01529 1.1.sta02029 1.1.sta02529 1.1.sta03029 1.1.sta03529 1.1.sta04029 1.1.sta00030 1.1.sta00530 1.1.sta01030 1.1.sta01530 1.1.sta02030 1.1.sta02530 1.1.sta03030 1.1.sta03530 1.1.sta04030 1.1.sta00031 1.1.sta00531 1.1.sta01031 1.1.sta01531 1.1.sta02031 1.1.sta02531 1.1.sta03031 1.1.sta03531 1.1.sta04031 1.1.sta00032 1.1.sta00532 1.1.sta01032 1.1.sta01532 1.1.sta02032 1.1.sta02532 1.1.sta03032 1.1.sta03532 1.1.sta04032 1.1.sta00033 1.1.sta00533 1.1.sta01033 1.1.sta01533 1.1.sta02033 1.1.sta02533 1.1.sta03033 1.1.sta03533 1.1.sta04033 1.1.wlan0 1.1.wlan1 1.1.wlan2 1.1.wlan3 1.1.wlan4 1.1.wlan5 1.1.wlan6 1.1.wlan7 1.1.wlan8
Firmware	0x80000c67, 1.1276.0
Machines	ct523c-7d70

Requested Parameters:

Download Rate:	Per station:	3000000 (3 Mbps)	All:	918000000 (918 Mbps)
Upload Rate:	Per station:	3000000 (3 Mbps)	All:	918000000 (918 Mbps)
Total:				1836000000 (1.836 Gbps)
Station count:				306
Connections per station:				2
Payload (PDU) sizes:				AUTO (AUTO)

Observed Rate:

This table summarizes statistics for all connections during this iteration, using their average values over the reporting interval.

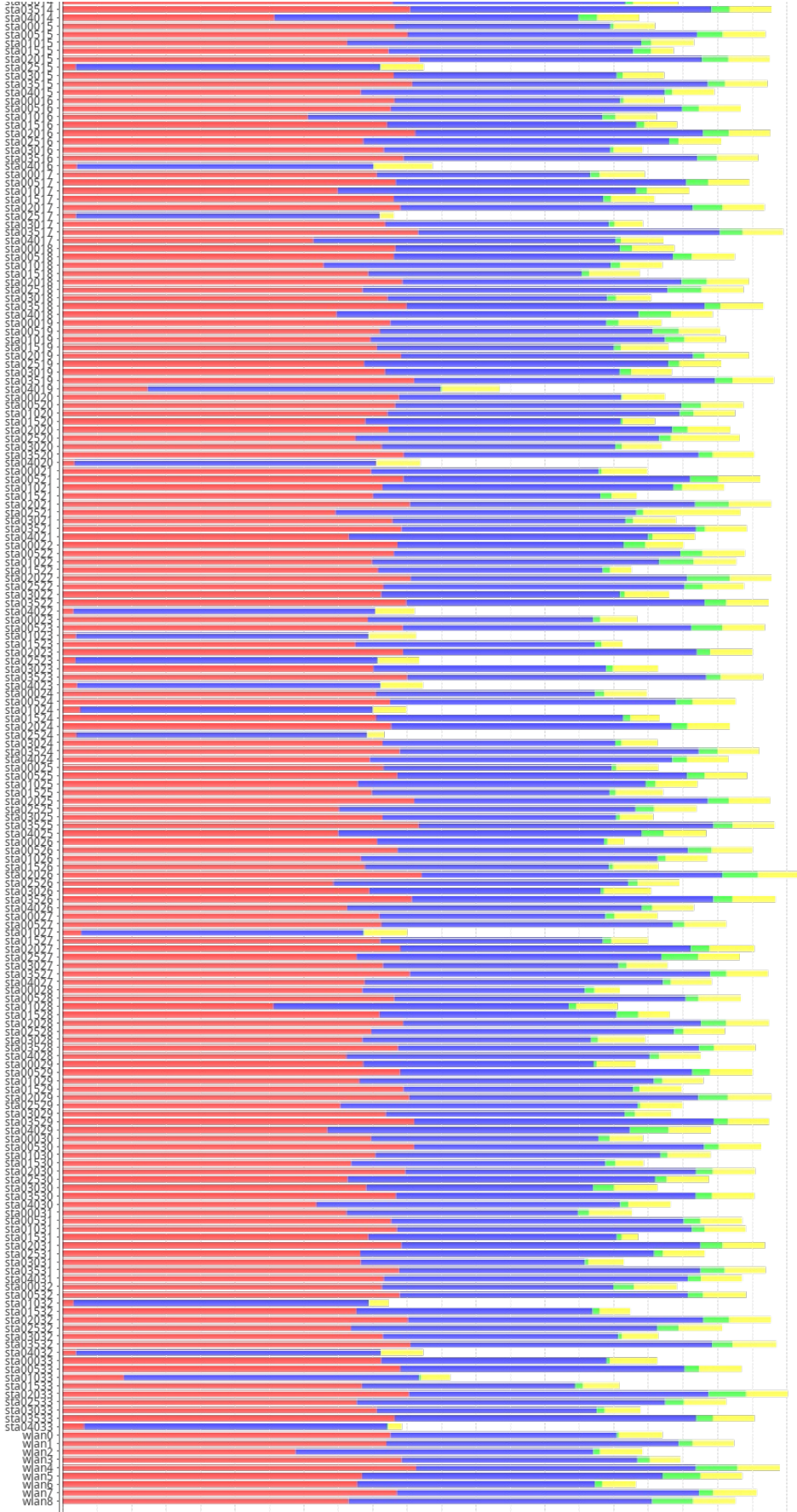
Cx Min: The lowest average value among all connections.

Cx Max: The highest average value among all connections.

Cx Ave: The average across all connections for this iteration.

Download Rate:	Cx Min:	0 bps	Cx Ave:	106.165 Kbps	Cx Max:	324.149 Kbps	All Cx:	32.487 Mbps

Stations



■ UDP-Download ■ UDP-Upload ■ TCP-Download ■ TCP-Upload

Requested Parameters:

Download Rate:	Per station:	3000000 (3 Mbps)	All:	918000000 (918 Mbps)
Upload Rate:	Per station:	3000000 (3 Mbps)	All:	918000000 (918 Mbps)
Total:			1836000000 (1.836 Gbps)	
Station count:			306	
Connections per station:			2	
Payload (PDU) sizes:			AUTO (AUTO)	

Observed Amount:

This table summarizes statistics for all connections during this iteration, using their average values over the reporting interval.

Cx Min: The lowest average value among all connections.

Cx Max: The highest average value among all connections.

Cx Ave: The average across all connections for this iteration.

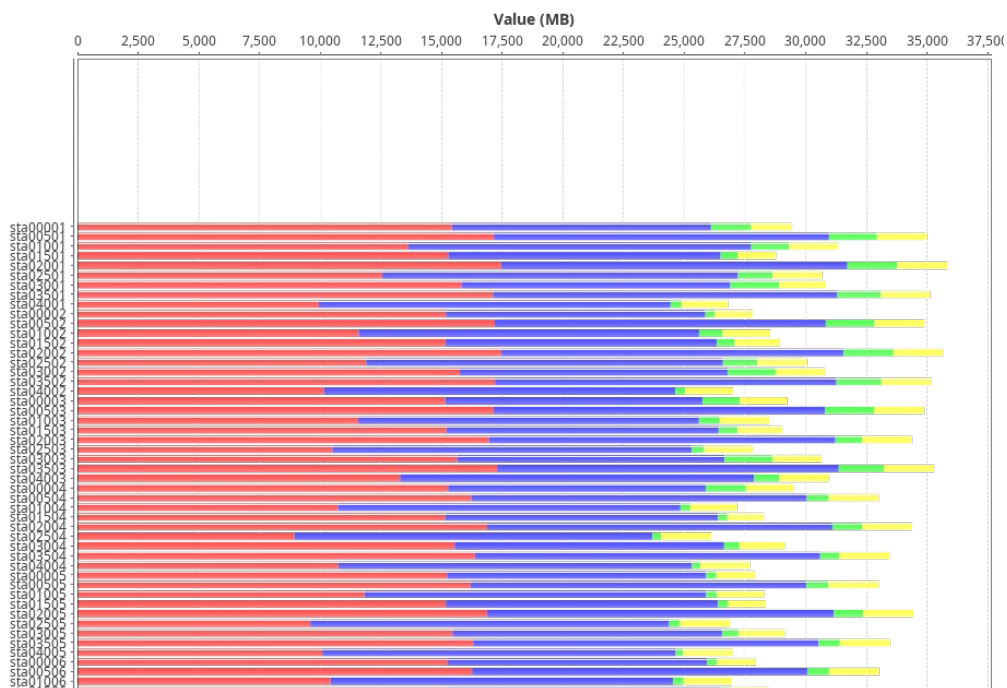
Download Amount:	Cx Min:	252.449 MB	Cx Ave:	682.152 MB	Cx Max:	1.923 GB	All Cx:	203.846 GB
Upload Amount:	Cx Min:	1.35 GB	Cx Ave:	1.786 GB	Cx Max:	1.938 GB	All Cx:	546.376 GB
Total:								750.222 GB

This graph shows fairness. On a fair system, each station should get about the same throughput.

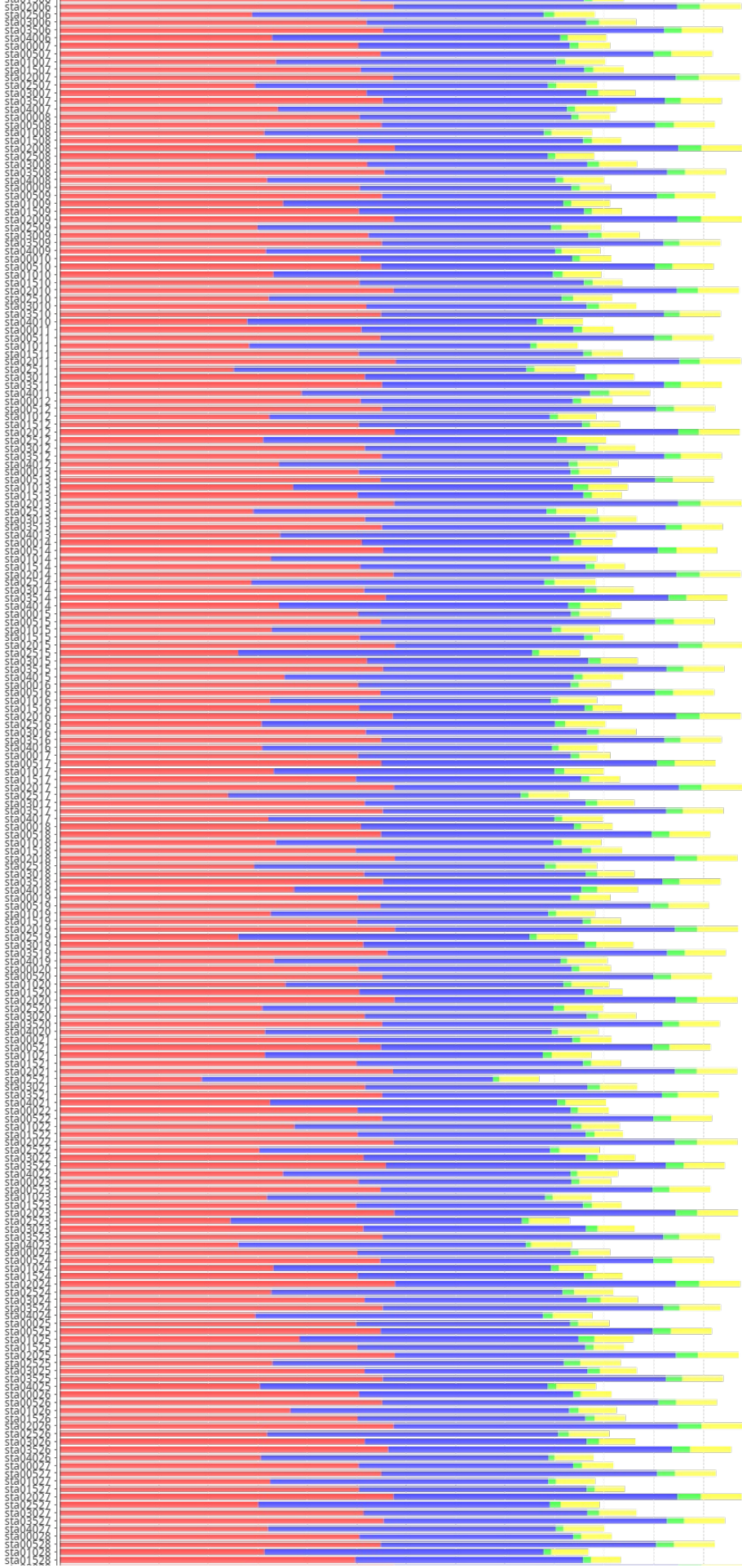
In the download direction, it is mostly the device-under-test that is responsible for this behavior, but in the upload direction, LANforge itself would be the source of most fairness issues unless the device-under-test takes specific actions to ensure fairness.

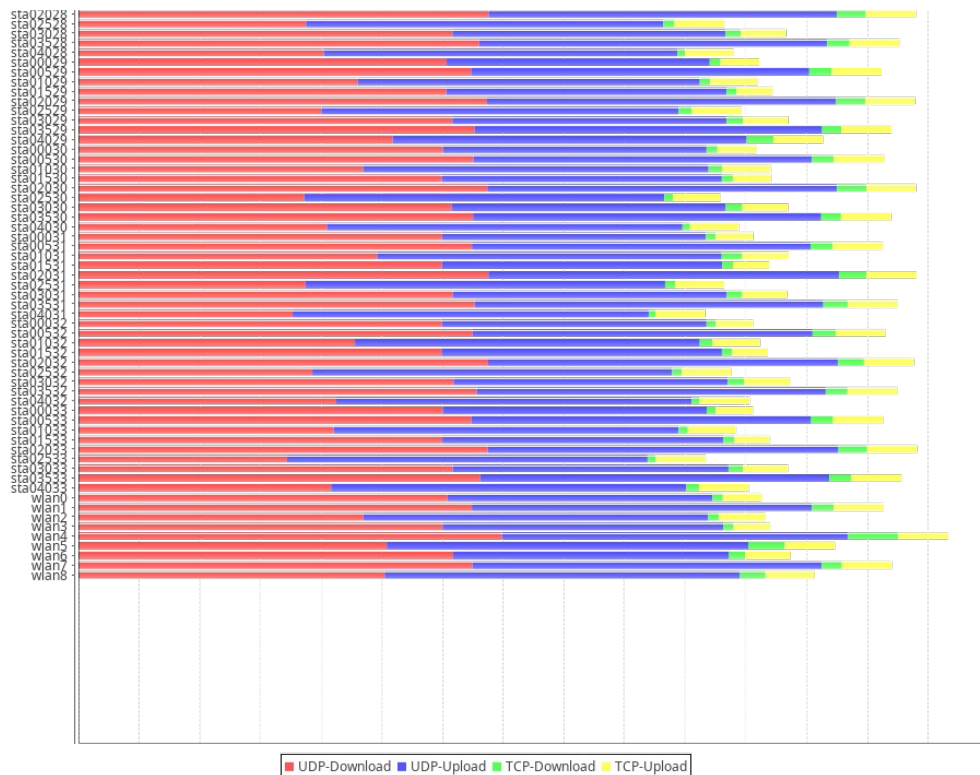
[CSV Data for Combined Received Megabytes, Entire 15 h Duration](#)

Combined Received Megabytes, Entire 15 h Duration



Stations

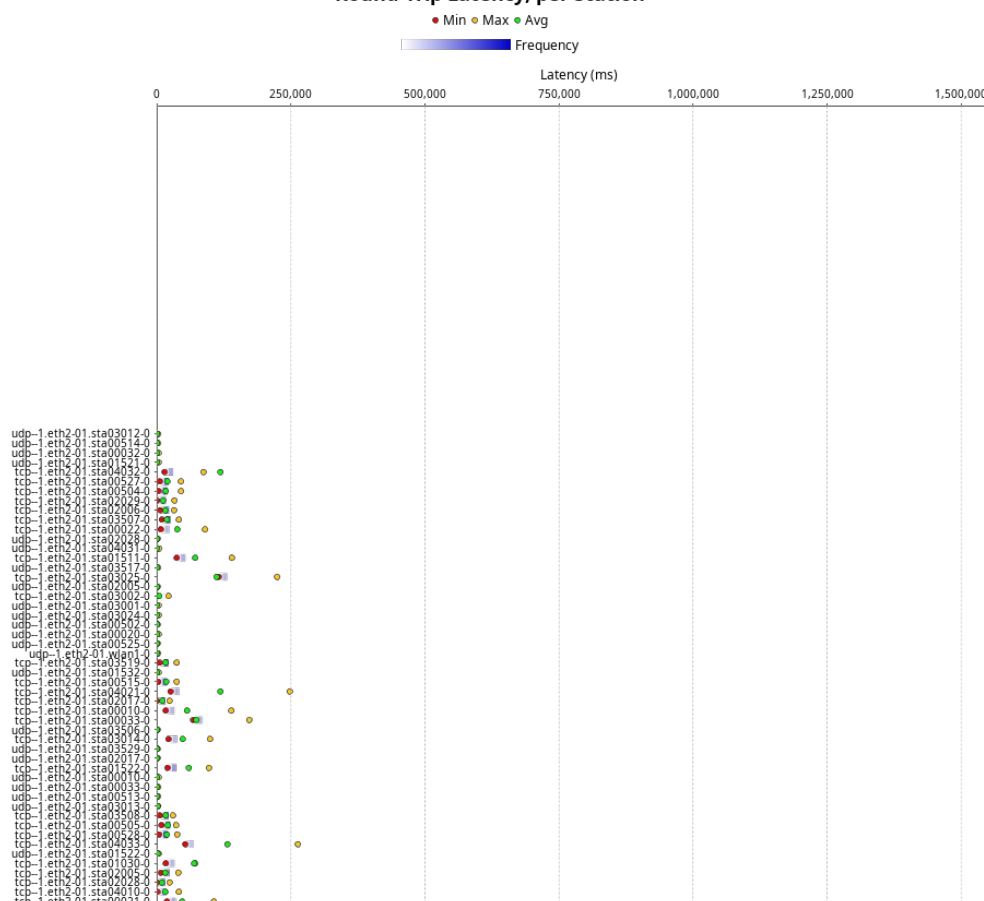


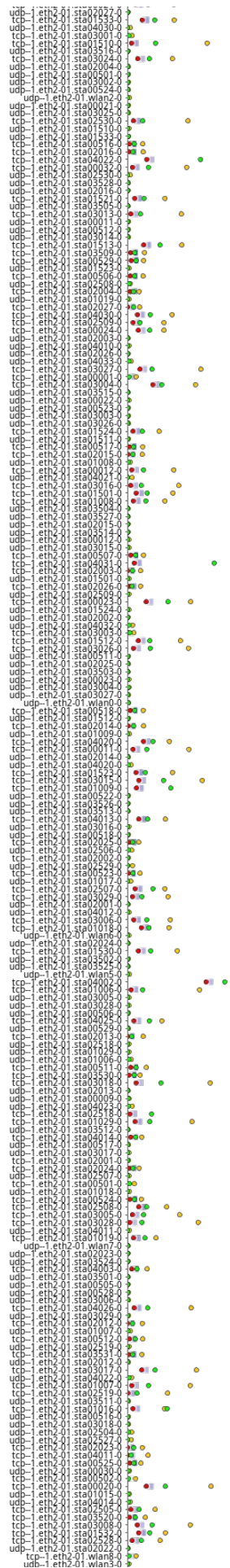


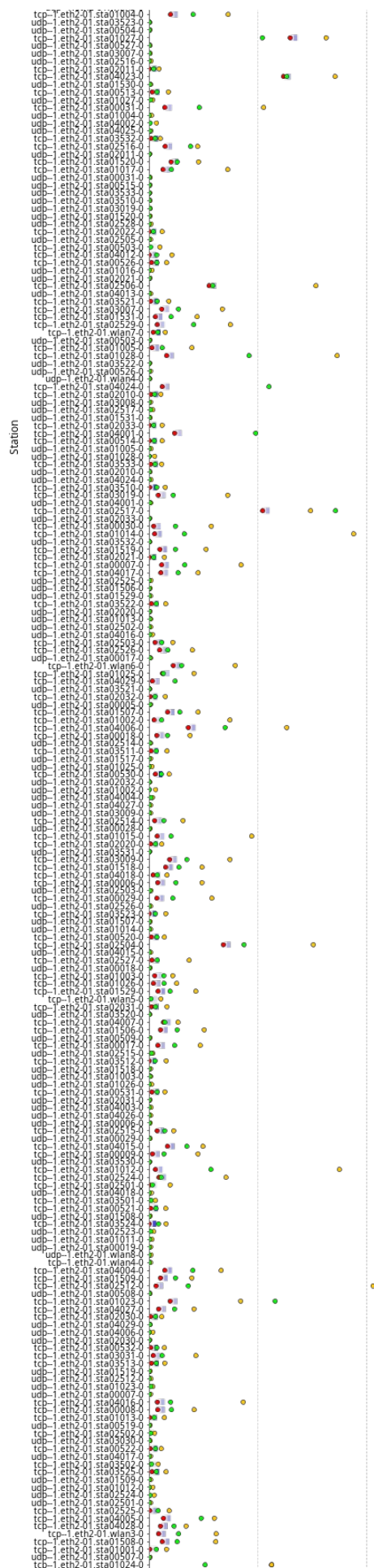
The below charts help visualize the distribution of reported latency values.

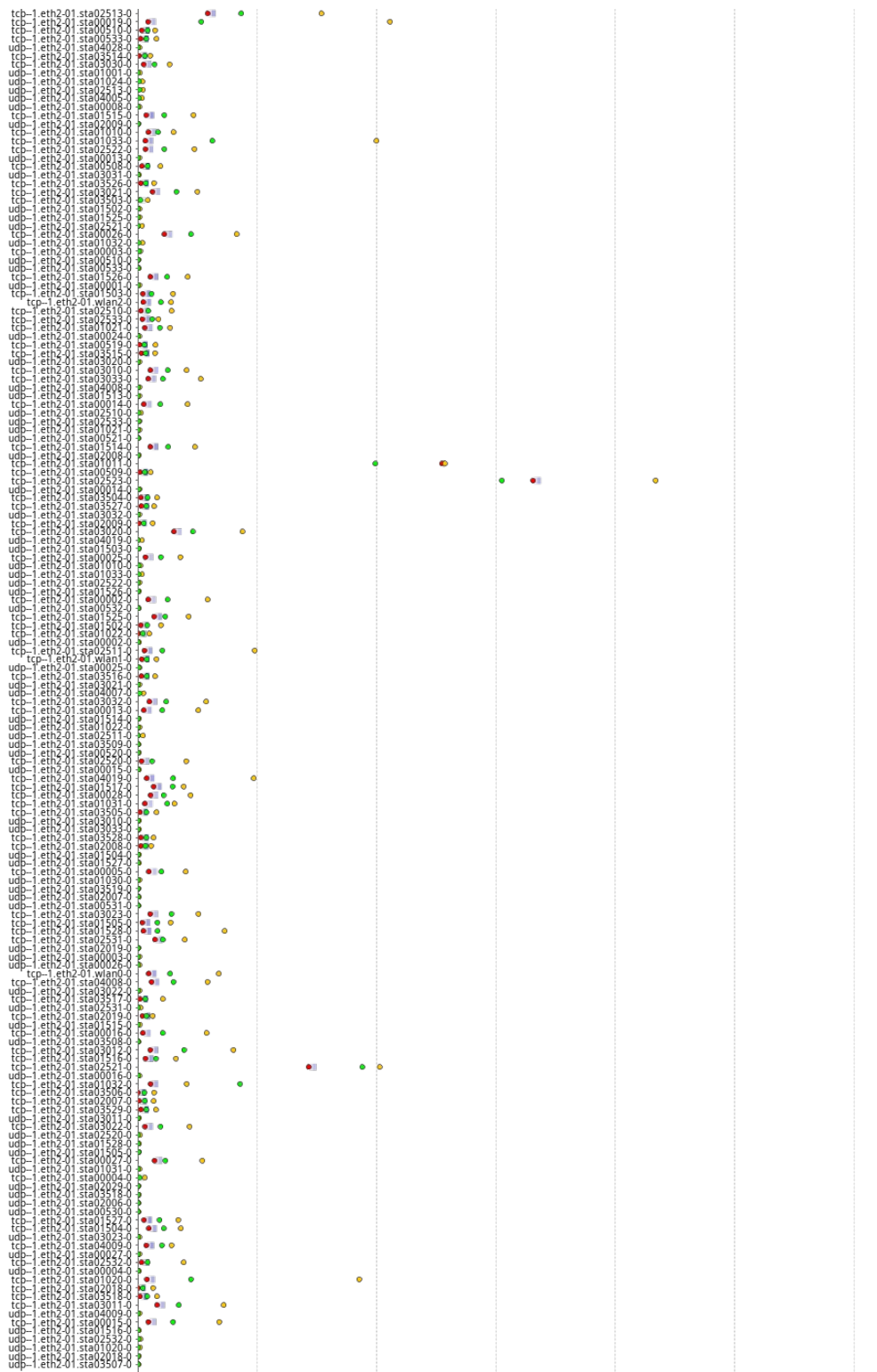
In order to preserve memory, the individual latency values reported for each packet are stored in bins, growing exponentially in size, and starting from the minimum reported value. The distributions visualized here, then, can be seen to have coarser detail near the maximum end of reported latencies, where the bin sizes are largest, while retaining finer detail near the minimum end of reported latencies, where the bin sizes are small. The average, minimum, and maximum of the distribution, however, are able to be tracked without and as such represent exact values.

Round-Trip Latency, per Station

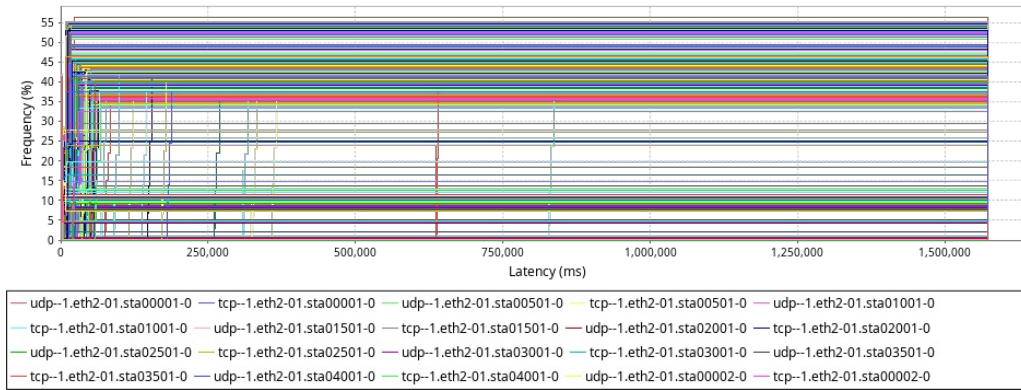






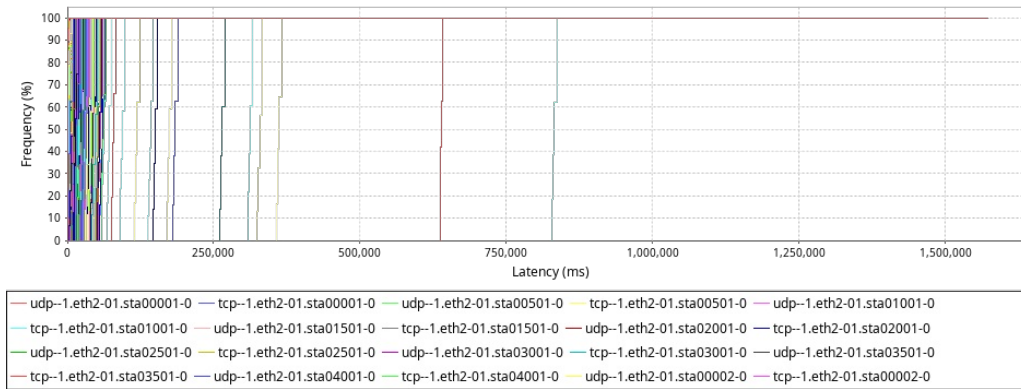


Round-Trip Latency Probability Density Function (PDF), per Station



[CSV Data for Round-Trip Latency Cumulative Distribution Function \(CDF\), per Station](#)

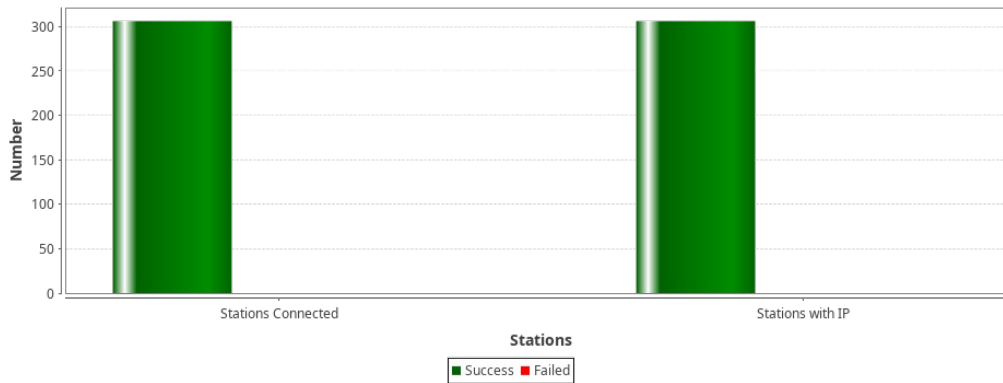
Round-Trip Latency Cumulative Distribution Function (CDF), per Station



Maximum Stations Connected: 306
 Stations NOT connected at this time: 0
 Maximum Stations with IP Address: 306
 Stations without IP at this time: 0

[CSV Data for Station Maximums](#)

Station Maximums

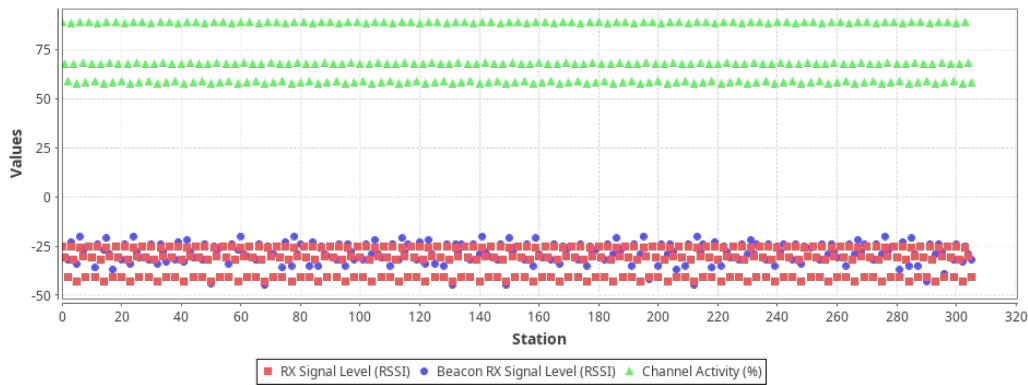


RF stats give an indication of how well how congested is the RF environment. Channel activity is what the wifi radio reports as the busy-time for the RF environment. It is expected that this be near 100% when LANforge is running at max speed, but at lower speeds, this should be a lower percentage unless the RF environment is busy with other systems.

RF stats are collected at the end of the iteration.

[CSV Data for RF Stats for Stations](#)

RF Stats for Stations

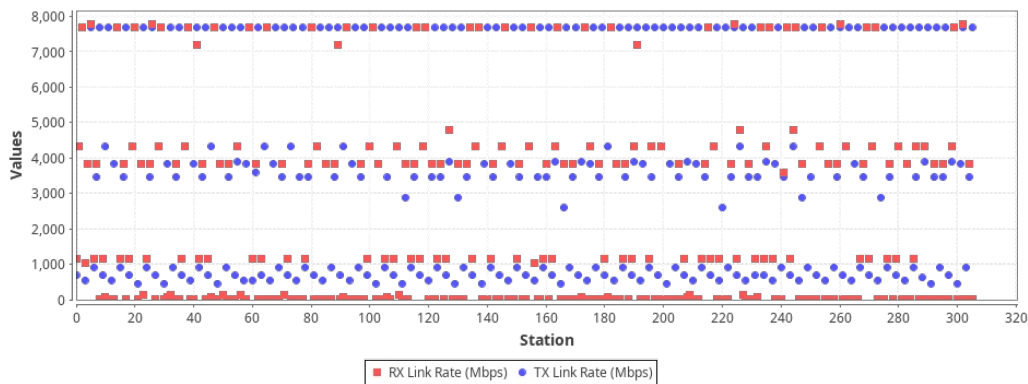


Link rate stats give an indication of how well the rate-control is working. For rate-control, the 'RX' link rate corresponds to what the device-under-test is transmitting. If all of the stations are on the same radio, then the TX and RX encoding rates should be similar for all stations. If there is a definite pattern where some stations do not get good RX rate, then probably the device-under-test has rate-control problems. The TX rate is what LANforge is transmitting at.

Link Rate is recorded at the end of each iteration. Please see individual station statistics CSV files for link rate over time.

CSV Data for Link Rate for Stations

Link Rate for Stations



Key Performance Indicators CSV

Scan Results for SSIDs used in this test.

```
BSS 92:90:2d:26:15:66(on sta00001) -- associated
last seen: 60311.559s [boottime]
TSF: 56008211324 usec (0d, 15:33:28)
freq: 2437.0
beacon interval: 100 TUs
capability: ESS Privacy ShortPreamble ShortSlotTime RadioMeasure (0x1431)
signal: -25.00 dBm
last seen: 18 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 1.0* 2.0* 5.5* 11.0* 6.0 9.0 12.0 18.0
DS Parameter set: channel 6
Country: US Environment: Indoor/Outdoor
Channels [1 - 11] @ 30 dBm
TPC report: TX power: 29 dBm
ERP: <no flags>
Extended supported rates: 24.0 36.0 48.0 54.0
RSN:
  * Version: 1
  * Group cipher: CCMP
  * Pairwise ciphers: CCMP
  * Authentication suites: SAE
  * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
  Capabilities: 0x73 0xd0 0x00 0x00 0x0c
    Link Measurement
    Neighbor Report
    Beacon Passive Measurement
    Beacon Active Measurement
    Beacon Table Measurement
    LCI Measurement
    Transmit Stream/Category Measurement
    Triggered Transmit Stream/Category
    FTM Range Report
```

Civic Location Measurement
Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4

HT capabilities:
Capabilities: 0x19ef
RX LDPC
HT20/HT40
SM Power Save disabled
RX HT20 SGI
RX HT40 SGI
TX STBC
RX STBC 1-stream
Max AMSDU length: 7935 bytes
DSSS/CCK HT40
Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
Minimum RX AMPDU time spacing: No restriction (0x00)
HT TX/RX MCS rate indexes supported: 0-31

HT operation:
* primary channel: 6
* secondary channel offset: below
* STA channel width: any
* RIFS: 0
* HT protection: no
* non-GF present: 0
* OBSS non-GF present: 0
* dual beacon: 0
* dual CTS protection: 0
* STBC beacon: 0
* L-SIG TXOP Prot: 0
* PCO active: 0
* PCO phase: 0

Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* SSID List
* Operating Mode Notification
* TWT Responder Support
* Max Number Of MSDUs In A-MSDU is unlimited

VHT capabilities:
VHT Capabilities (0x338b7992):
Max MPDU length: 11454
Supported Channel Width: neither 160 nor 80+80
RX LDPC
TX STBC
SU Beamformer
SU Beamformee
MU Beamformer
RX antenna pattern consistency
TX antenna pattern consistency

VHT RX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

VHT RX highest supported: 0 Mbps

VHT TX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

VHT TX highest supported: 0 Mbps

VHT extended NSS: supported

VHT operation:
* channel width: 0 (20 or 40 MHz)
* center freq segment 1: 4
* center freq segment 2: 0
* VHT basic MCS set: 0xffff

HE capabilities:
HE MAC Capabilities (0x010d1a081040):
+HTC HE Supported
TWT Responder
Dynamic BA Fragmentation Level: 1
Minimum Payload size of 128 bytes: 1
BSR
OM Control
Maximum A-MPDU Length Exponent: 3
A-MSDU in A-MPDU
OM Control UL MU Data Disable RX

HE PHY Capabilities: (0x026040880f43811c110800):
HE40/2.4GHz
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 3
Sounding Dimensions <= 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback

PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x1b 0x1c 0xc7 0x71 0x1c 0xc7 0x71

HE Operation:
HE Operation Parameters: (0x003ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023
BSS Color: 4
Basic HE-MCS NSS Set: 0xffff
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

Multi-Link:
MLD MAC: 8c:90:2d:26:15:69
Link ID: 0
EML Capabilities: 0x0001
EMLSR Support

EHT capabilities:
EHT MAC Capabilities (0x8000):
Maximum MPDU Length: 2
EHT PHY Capabilities (0xe00103001836001210):
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 3
Number Of Sounding Dimensions (80MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 μ s GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Non-OFDMA UL MU-MIMO (80MHz)
MU Beamformer (80MHz)
EHT-MCS Map (BW <= 80) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4

EHT Operation:
EHT Operation Parameters: (0x44)
EHT Default PE Duration
Group Addressed BU Indication Exponent: 0x0
Basic EHT-MCS And Nss Set: 0x11000000
WMM:
* Parameter version 1
* u-APSD
* BE: CW 15-1023, AIFSN 3
* BK: CW 15-1023, AIFSN 7
* VI: CW 7-15, AIFSN 2, TXOP 3008 usec
* VO: CW 3-7, AIFSN 2, TXOP 1504 usec

BSS 96:90:2d:26:15:67(on sta00001)
last seen: 60311.548s [boottime]
TSF: 1586536872 usec (0d, 00:26:26)
freq: 5180.0
beacon interval: 100 TUs
capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
signal: -32.00 dBm
last seen: 29 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
Country: US Environment: Indoor/Outdoor
Channels [36 - 48] @ 30 dBm
Channels [52 - 64] @ 24 dBm
Channels [100 - 144] @ 24 dBm
Channels [149 - 165] @ 30 dBm
Power constraint: 0 dB
TPC report: TX power: 28 dBm
RSN:
* Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)

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RM enabled capabilities:
  Capabilities: 0x73 0xd0 0x00 0x00 0x0c
    Link Measurement
    Neighbor Report
    Beacon Passive Measurement
    Beacon Active Measurement
    Beacon Table Measurement
    LCI Measurement
    Transmit Stream/Category Measurement
    Triggered Transmit Stream/Category
    FTM Range Report
    Civic Location Measurement
    Nonoperating Channel Max Measurement Duration: 0
    Measurement Pilot Capability: 4
HT capabilities:
  Capabilities: 0x9ef
    RX LDPC
    HT20/HT40
    SM Power Save disabled
    RX HT20 SGI
    RX HT40 SGI
    TX STBC
    RX STBC 1-stream
    Max AMSDU length: 7935 bytes
    No DSSS/CKK HT40
    Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
    Minimum RX AMPDU time spacing: No restriction (0x00)
    HT TX/RX MCS rate indexes supported: 0-31
HT operation:
  * primary channel: 36
  * secondary channel offset: above
  * STA channel width: any
  * RIFS: 0
  * HT protection: no
  * non-GF present: 0
  * OBSS non-GF present: 0
  * dual beacon: 0
  * dual CTS protection: 0
  * STBC beacon: 0
  * L-SIG TXOP Prot: 0
  * PCO active: 0
  * PCO phase: 0
Extended capabilities:
  * Extended Channel Switching
  * TFS
  * WNM-Sleep Mode
  * TIM Broadcast
  * BSS Transition
  * SSID List
  * Operating Mode Notification
  * TWT Responder Support
  * Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
  VHT Capabilities (0x338bf9f6):
    Max MPDU length: 11454
    Supported Channel Width: 160 MHz
    RX LDPC
    short GI (80 MHz)
    short GI (160/80+80 MHz)
    TX STBC
    SU Beamformer
    SU Beamformee
    MU Beamformer
    RX antenna pattern consistency
    TX antenna pattern consistency
  VHT RX MCS set:
    1 streams: MCS 0-9
    2 streams: MCS 0-9
    3 streams: MCS 0-9
    4 streams: MCS 0-9
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  VHT RX highest supported: 0 Mbps
  VHT TX MCS set:
    1 streams: MCS 0-9
    2 streams: MCS 0-9
    3 streams: MCS 0-9
    4 streams: MCS 0-9
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  VHT TX highest supported: 0 Mbps
  VHT extended NSS: supported
VHT operation:
  * channel width: 1 (80 MHz)
  * center freq segment 1: 42
  * center freq segment 2: 50
  * VHT basic MCS set: 0xffffc
Transmit Power Envelope:
  * Local Maximum Transmit Power For 20 MHz: 30 dBm
  * Local Maximum Transmit Power For 40 MHz: 30 dBm
  * Local Maximum Transmit Power For 80 MHz: 30 dBm
  * Local Maximum Transmit Power For 160/80+80 MHz: 30 dBm
HE capabilities:
  HE MAC Capabilities (0x010d1a081040):
    +HTC HE Supported
    TWT Responder
    Dynamic BA Fragmentation Level: 1
    Minimum Payload size of 128 bytes: 1

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BSR
OM Control
Maximum A-MPDU Length Exponent: 3
A-MSDU in A-MPDU
OM Control UL MU Data Disable RX
HE PHY Capabilities: (0x0c634088ff5b811c110800):
HE40/HE80/5GHz
HE160/5GHz
Punctured Preamble RX: 3
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 7
Beamformee STS > 80MHz: 7
Sounding Dimensions <= 80MHz: 3
Sounding Dimensions > 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE RX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
HE Operation Parameters: (0x003ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023
BSS Color: 1
Basic HE-MCS NSS Set: 0xffff
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
Multi-Link:
MLD MAC: 8c:90:2d:26:15:69
Link ID: 1
EML Capabilities: 0x0001
EMLSR Support
EHT capabilities:
EHT MAC Capabilities (0x0000):
EHT PHY Capabilities (0xe01f1b001836803610):
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 7
Beamformee SS (160MHz): 7
Number Of Sounding Dimensions (80MHz): 3
Number Of Sounding Dimensions (160MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Support Of EHT DUP In 6 GHz
Non-OFDMA UL MU-MIMO (80MHz)
Non-OFDMA UL MU-MIMO (160MHz)
MU Beamformer (80MHz)

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        MU Beamformer (160MHz)
    EHT-MCS Map (BW <= 80) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT-MCS Map (BW = 160) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT Operation:
        EHT Operation Parameters: (0x44)
        EHT Default PE Duration
        Group Addressed BU Indication Exponent: 0x0
    Basic EHT-MCS And Nss Set: 0x11000000
WMM:
    * Parameter version 1
    * u-APSD
    * BE: CW 15-1023, AIFS 3
    * BK: CW 15-1023, AIFS 7
    * VI: CW 7-15, AIFS 2, TXOP 3008 usec
    * VO: CW 3-7, AIFS 2, TXOP 1504 usec

BSS ae:90:2d:26:15:69(on sta00001)
    last seen: 60311.522s [boottime]
    TSF: 56002056387 usec (0d, 15:33:22)
    freq: 6295.0
    beacon interval: 100 TUs
    capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
    signal: -42.00 dBm
    last seen: 55 ms ago
    SSID: DEMO_MLO
    Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
    TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0
    Country: US      Environment: bogus
        Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)
        Channels [33 - 233] @ 0 dBm
    Power constraint: 0 dB
    TPC report: TX power: 26 dBm
    Extended supported rates: 61.5*
    RSN:
        * Version: 1
        * Group cipher: CCMP
        * Pairwise ciphers: CCMP
        * Authentication suites: SAE
        * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
    RM enabled capabilities:
        Capabilities: 0x73 0xd0 0x00 0x00 0x0c
        Link Measurement
        Neighbor Report
        Beacon Passive Measurement
        Beacon Active Measurement
        Beacon Table Measurement
        LCI Measurement
        Transmit Stream/Category Measurement
        Triggered Transmit Stream/Category
        FTM Range Report
        Civic Location Measurement
        Nonoperating Channel Max Measurement Duration: 0
        Measurement Pilot Capability: 4
    Extended capabilities:
        * Extended Channel Switching
        * TFS
        * WMM-Sleep Mode
        * TIM Broadcast
        * BSS Transition
        * Multiple BSSID
        * SSID List
        * Operating Mode Notification
        * TWT Responder Support
        * 80
        * 83
    Transmit Power Envelope:
    Transmit Power Envelope:
    HE capabilities:
        HE MAC Capabilities (0x010d1a081040):
            +HTC HE Supported
            TWT Responder
            Dynamic BA Fragmentation Level: 1
            Minimum Payload size of 128 bytes: 1
            BSR
            OM Control
            Maximum A-MPDU Length Exponent: 3
            A-MSDU in A-MPDU
            OM Control UL MU Data Disable RX
        HE PHY Capabilities: (0x0c634088ff5b811c110800):
            HE40/HE80/5GHz
            HE160/5GHz
            Punctured Preamble RX: 3
            LDPC Coding in Payload
            HE SU PPDU with 1x HE-LTF and 0.8us GI
            Full Bandwidth UL MU-MIMO
            DCM Max Constellation Rx: 1
            SU Beamformer
            SU Beamformee
            MU Beamformer
            Beamformee STS <= 80MHz: 7
            Beamformee STS > 80MHz: 7

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Sounding Dimensions <= 80MHz: 3
 Sounding Dimensions > 80MHz: 3
 Ng = 16 SU Feedback
 Codebook Size SU Feedback
 PPE Threshold Present
 HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
 Max NC: 3
 HE ER SU PPDU 4x HE-LTF 0.8us GI
 HE ER SU PPDU 1x HE-LTF 0.8us GI
 RX 1024-QAM
 HE RX MCS and NSS set <= 80 MHz
 1 streams: MCS 0-11
 2 streams: MCS 0-11
 3 streams: MCS 0-11
 4 streams: MCS 0-11
 5 streams: not supported
 6 streams: not supported
 7 streams: not supported
 8 streams: not supported
 HE TX MCS and NSS set <= 80 MHz
 1 streams: MCS 0-11
 2 streams: MCS 0-11
 3 streams: MCS 0-11
 4 streams: MCS 0-11
 5 streams: not supported
 6 streams: not supported
 7 streams: not supported
 8 streams: not supported
 HE RX MCS and NSS set 160 MHz
 1 streams: MCS 0-11
 2 streams: MCS 0-11
 3 streams: MCS 0-11
 4 streams: MCS 0-11
 5 streams: not supported
 6 streams: not supported
 7 streams: not supported
 8 streams: not supported
 HE TX MCS and NSS set 160 MHz
 1 streams: MCS 0-11
 2 streams: MCS 0-11
 3 streams: MCS 0-11
 4 streams: MCS 0-11
 5 streams: not supported
 6 streams: not supported
 7 streams: not supported
 8 streams: not supported
 PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
 HE Operation:
 HE Operation Parameters: (0x020394)
 Default PE Duration: 4
 TXOP Duration RTS Threshold: 57
 6 GHz Operation Information Present
 BSS Color: 48
 Basic HE-MCS NSS Set: 0xffff
 1 streams: MCS 0-7
 2 streams: not supported
 3 streams: not supported
 4 streams: not supported
 5 streams: not supported
 6 streams: not supported
 7 streams: not supported
 8 streams: not supported
 6 GHz Operation Information: 0x4503474f01
 Primary Channel: 69
 Channel Width: 80+80 or 160 MHz
 Regulatory Info: 0
 Center Frequency Segment 0: 71
 Center Frequency Segment 1: 79
 Minimum Rate: 1
 EHT capabilities:
 EHT MAC Capabilities (0x0000):
 EHT PHY Capabilities (0xe2ffdb001836801e10):
 320MHz in 6GHz Supported
 SU Beamformer
 SU Beamformee
 Beamformee SS (80MHz): 7
 Beamformee SS (160MHz): 7
 Beamformee SS (320MHz): 7
 Number Of Sounding Dimensions (80MHz): 3
 Number Of Sounding Dimensions (160MHz): 3
 Number Of Sounding Dimensions (320MHz): 3
 EHT MU PPDU With 4 EHT-LTF And 0.8 μ s GI
 Max Nc: 1
 Tx 1024-QAM And 4096-QAM < 242-tone RU
 Rx 1024-QAM And 4096-QAM < 242-tone RU
 Common Nominal Packet Padding: 3
 Support Of EHT DUP In 6 GHz
 Non-OFDMA UL MU-MIMO (80MHz)
 Non-OFDMA UL MU-MIMO (160MHz)
 Non-OFDMA UL MU-MIMO (320MHz)
 MU Beamformer (80MHz)
 EHT-MCS Map (BW <= 80) (0x444444):
 Rx Max NSS for MCS 0-9: 4
 Tx Max NSS for MCS 0-9: 4
 Rx Max NSS for MCS 10-11: 4
 Tx Max NSS for MCS 10-11: 4
 Rx Max NSS for MCS 12-13: 4
 Tx Max NSS for MCS 12-13: 4
 EHT-MCS Map (BW = 160) (0x444444):
 Rx Max NSS for MCS 0-9: 4
 Tx Max NSS for MCS 0-9: 4
 Rx Max NSS for MCS 10-11: 4

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        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT-MCS Map (BW = 320) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT Operation:
        EHT Operation Parameters: (0x45)
            EHT Default PE Duration
            Group Addressed BU Indication Exponent: 0x0
        Basic EHT-MCS And Nss Set: 0x11000000
        EHT Operation Info: 0x044f3f
            Channel Width: 320 MHz
            Center Frequency Segment 0: 79
            Center Frequency Segment 1: 63
    WMM:
        * Parameter version 1
        * u-APSD
        * BE: CW 15-1023, AIFS 3
        * BK: CW 15-1023, AIFS 7
        * VI: CW 7-15, AIFS 2, TXOP 3008 usec
        * VO: CW 3-7, AIFS 2, TXOP 1504 usec
    Multi-Link:
        MLD MAC: 8c:90:2d:26:15:69
        Link ID: 2
            EML Capabilities: 0x0001
            EMLSR Support

BSS 92:90:2d:26:15:66(on sta00524)
    last seen: 5892.301s [boottime]
    TSF: 1587485666 usec (0d, 00:26:27)
    freq: 2437.0
    beacon interval: 100 TUs
    capability: ESS Privacy ShortPreamble ShortSlotTime RadioMeasure (0x1431)
    signal: -24.00 dBm
    last seen: 60 ms ago
    Information elements from Probe Response frame:
    SSID: DEMO_MLO
    Supported rates: 1.0* 2.0* 5.5* 11.0* 6.0 9.0 12.0 18.0
    DS Parameter set: channel 6
    Country: US      Environment: Indoor/Outdoor
        Channels [1 - 11] @ 30 dBm
    TPC report: TX power: 29 dBm
    ERP: <no flags>
    Extended supported rates: 24.0 36.0 48.0 54.0
    RSN:
        * Version: 1
        * Group cipher: CCMP
        * Pairwise ciphers: CCMP
        * Authentication suites: SAE
        * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
    RM enabled capabilities:
        Capabilities: 0x73 0xd0 0x00 0x00 0x0c
            Link Measurement
            Neighbor Report
            Beacon Passive Measurement
            Beacon Active Measurement
            Beacon Table Measurement
            LCI Measurement
            Transmit Stream/Category Measurement
            Triggered Transmit Stream/Category
            FTM Range Report
            Civic Location Measurement
        Nonoperating Channel Max Measurement Duration: 0
        Measurement Pilot Capability: 4
    HT capabilities:
        Capabilities: 0x19ef
            RX LDPC
            HT20/HT40
            SM Power Save disabled
            RX HT20 SGI
            RX HT40 SGI
            TX STBC
            RX STBC 1-stream
            Max AMSDU length: 7935 bytes
            DSSS/CCK HT40
        Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
        Minimum RX AMPDU time spacing: No restriction (0x00)
        HT TX/RX MCS rate indexes supported: 0-31
    HT operation:
        * primary channel: 6
        * secondary channel offset: below
        * STA channel width: any
        * RIFS: 0
        * HT protection: no
        * non-GF present: 0
        * OBSS non-GF present: 0
        * dual beacon: 0
        * dual CTS protection: 0
        * STBC beacon: 0
        * L-SIG TXOP Prot: 0
        * PCO active: 0
        * PCO phase: 0
    Extended capabilities:
        * Extended Channel Switching
        * TFS
        * WNM-Sleep Mode
        * TIM Broadcast
        * BSS Transition

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* SSID List
* Operating Mode Notification
* TWT Responder Support
* Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
  VHT Capabilities (0x338b7992):
    Max MPDU length: 11454
    Supported Channel Width: neither 160 nor 80+80
    RX LDPC
    TX STBC
    SU Beamformer
    SU Beamformee
    MU Beamformer
    RX antenna pattern consistency
    TX antenna pattern consistency
  VHT RX MCS set:
    1 streams: MCS 0-9
    2 streams: MCS 0-9
    3 streams: MCS 0-9
    4 streams: MCS 0-9
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  VHT RX highest supported: 0 Mbps
  VHT TX MCS set:
    1 streams: MCS 0-9
    2 streams: MCS 0-9
    3 streams: MCS 0-9
    4 streams: MCS 0-9
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  VHT TX highest supported: 0 Mbps
  VHT extended NSS: supported
VHT operation:
  * channel width: 0 (20 or 40 MHz)
  * center freq segment 1: 4
  * center freq segment 2: 0
  * VHT basic MCS set: 0xffffc
HE capabilities:
  HE MAC Capabilities (0x010d1a081040):
    +HTC HE Supported
    TWT Responder
    Dynamic BA Fragmentation Level: 1
    Minimum Payload size of 128 bytes: 1
    BSR
    OM Control
    Maximum A-MPDU Length Exponent: 3
    A-MSDU in A-MPDU
    OM Control UL MU Data Disable RX
  HE PHY Capabilities: (0x026040880f43811c110800):
    HE40/2.4GHz
    LDPC Coding in Payload
    HE SU PPDU with 1x HE-LTF and 0.8us GI
    Full Bandwidth UL MU-MIMO
    DCM Max Constellation Rx: 1
    SU Beamformer
    SU Beamformee
    MU Beamformer
    Beamformee STS <= 80MHz: 3
    Sounding Dimensions <= 80MHz: 3
    Ng = 16 SU Feedback
    Codebook Size SU Feedback
    PPE Threshold Present
    HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
    Max NC: 3
    HE ER SU PPDU 4x HE-LTF 0.8us GI
    HE ER SU PPDU 1x HE-LTF 0.8us GI
    RX 1024-QAM
  HE RX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  PPE Threshold 0x1b 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
  HE Operation Parameters: (0x003ff4)
    Default PE Duration: 4
    TXOP Duration RTS Threshold: 1023
  BSS Color: 4
  Basic HE-MCS NSS Set: 0xffffc
    1 streams: MCS 0-7
    2 streams: not supported
    3 streams: not supported
    4 streams: not supported
    5 streams: not supported
    6 streams: not supported

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        7 streams: not supported
        8 streams: not supported
Multi-Link:
    MLD MAC: 8c:90:2d:26:15:69
    Link ID: 0
        EML Capabilities: 0x0001
        EMLSR Support
EHT capabilities:
    EHT MAC Capabilities (0x8000):
        Maximum MPDU Length: 2
    EHT PHY Capabilities (0xe00103001836001210):
        SU Beamformer
        SU Beamformee
        Beamformee SS (80MHz): 3
        Number Of Sounding Dimensions (80MHz): 3
        EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
        Max Nc: 1
        Tx 1024-QAM And 4096-QAM < 242-tone RU
        Rx 1024-QAM And 4096-QAM < 242-tone RU
        Common Nominal Packet Padding: 3
        Non-OFDMA UL MU-MIMO (80MHz)
        MU Beamformer (80MHz)
    EHT-MCS Map (BW <= 80) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
EHT Operation:
    EHT Operation Parameters: (0x44)
        EHT Default PE Duration
        Group Addressed BU Indication Exponent: 0x0
    Basic EHT-MCS And Nss Set: 0x11000000
WMM:
    * Parameter version 1
    * u-APSD
    * BE: CW 15-1023, AIFSN 3
    * BK: CW 15-1023, AIFSN 7
    * VI: CW 7-15, AIFSN 2, TXOP 3008 usec
    * VO: CW 3-7, AIFSN 2, TXOP 1504 usec

BSS 96:90:2d:26:15:67(on sta00524)
    last seen: 5892.301s [boottime]
    TSF: 1586536872 usec (0d, 00:26:26)
    freq: 5180.0
    beacon interval: 100 TUs
    capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
    signal: -32.00 dBm
    last seen: 60 ms ago
    Information elements from Probe Response frame:
    SSID: DEMO_MLO
    Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
    Country: US      Environment: Indoor/Outdoor
        Channels [36 - 48] @ 30 dBm
        Channels [52 - 64] @ 24 dBm
        Channels [100 - 144] @ 24 dBm
        Channels [149 - 165] @ 30 dBm
    Power constraint: 0 dB
    TPC report: TX power: 28 dBm
    RSN:
        * Version: 1
        * Group cipher: CCMP
        * Pairwise ciphers: CCMP
        * Authentication suites: SAE
        * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
    RM enabled capabilities:
        Capabilities: 0x73 0xd0 0x00 0x00 0x00 0x0c
            Link Measurement
            Neighbor Report
            Beacon Passive Measurement
            Beacon Active Measurement
            Beacon Table Measurement
            LCI Measurement
            Transmit Stream/Category Measurement
            Triggered Transmit Stream/Category
            FTM Range Report
            Civic Location Measurement
        Nonoperating Channel Max Measurement Duration: 0
        Measurement Pilot Capability: 4
    HT capabilities:
        Capabilities: 0x9ef
            RX LDPC
            HT20/HT40
            SM Power Save disabled
            RX HT20 SGI
            RX HT40 SGI
            TX STBC
            RX STBC 1-stream
            Max AMSDU length: 7935 bytes
            No DSSS/CCK HT40
            Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
            Minimum RX AMPDU time spacing: No restriction (0x00)
            HT TX/RX MCS rate indexes supported: 0-31
    HT operation:
        * primary channel: 36
        * secondary channel offset: above
        * STA channel width: any
        * RIFS: 0
        * HT protection: no
        * non-GF present: 0
        * OBSS non-GF present: 0
        * dual beacon: 0

```

```

* dual CTS protection: 0
* STBC beacon: 0
* L-SIG TXOP Prot: 0
* PCO active: 0
* PCO phase: 0
Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* SSID List
* Operating Mode Notification
* TWT Responder Support
* Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
VHT Capabilities (0x338bf9f6):
  Max MPDU length: 11454
  Supported Channel Width: 160 MHz
  RX LDPC
  short GI (80 MHz)
  short GI (160/80+80 MHz)
  TX STBC
  SU Beamformer
  SU Beamformee
  MU Beamformer
  RX antenna pattern consistency
  TX antenna pattern consistency
VHT RX MCS set:
  1 streams: MCS 0-9
  2 streams: MCS 0-9
  3 streams: MCS 0-9
  4 streams: MCS 0-9
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported
VHT RX highest supported: 0 Mbps
VHT TX MCS set:
  1 streams: MCS 0-9
  2 streams: MCS 0-9
  3 streams: MCS 0-9
  4 streams: MCS 0-9
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported
VHT TX highest supported: 0 Mbps
VHT extended NSS: supported
VHT operation:
* channel width: 1 (80 MHz)
* center freq segment 1: 42
* center freq segment 2: 50
* VHT basic MCS set: 0xffffc
Transmit Power Envelope:
* Local Maximum Transmit Power For 20 MHz: 30 dBm
* Local Maximum Transmit Power For 40 MHz: 30 dBm
* Local Maximum Transmit Power For 80 MHz: 30 dBm
* Local Maximum Transmit Power For 160/80+80 MHz: 30 dBm
HE capabilities:
HE MAC Capabilities (0x010d1a081040):
+HTC HE Supported
TWT Responder
Dynamic BA Fragmentation Level: 1
Minimum Payload size of 128 bytes: 1
BSR
OM Control
Maximum A-MPDU Length Exponent: 3
A-MSDU in A-MPDU
OM Control UL MU Data Disable RX
HE PHY Capabilities: (0x0c634088ff5b811c110800):
HE40/HE80/5GHz
HE160/5GHz
Punctured Preamble RX: 3
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 7
Beamformee STS > 80MHz: 7
Sounding Dimensions <= 80MHz: 3
Sounding Dimensions > 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
  1 streams: MCS 0-11
  2 streams: MCS 0-11
  3 streams: MCS 0-11
  4 streams: MCS 0-11
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported

```

```

HE TX MCS and NSS set <= 80 MHz
  1 streams: MCS 0-11
  2 streams: MCS 0-11
  3 streams: MCS 0-11
  4 streams: MCS 0-11
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported
HE RX MCS and NSS set 160 MHz
  1 streams: MCS 0-11
  2 streams: MCS 0-11
  3 streams: MCS 0-11
  4 streams: MCS 0-11
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported
HE TX MCS and NSS set 160 MHz
  1 streams: MCS 0-11
  2 streams: MCS 0-11
  3 streams: MCS 0-11
  4 streams: MCS 0-11
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
  HE Operation Parameters: (0x003ff4)
    Default PE Duration: 4
    TXOP Duration RTS Threshold: 1023
  BSS Color: 1
  Basic HE-MCS NSS Set: 0xffff
    1 streams: MCS 0-7
    2 streams: not supported
    3 streams: not supported
    4 streams: not supported
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
Multi-Link:
  MLD MAC: 8c:90:2d:26:15:69
  Link ID: 1
    EML Capabilities: 0x0001
    EMLSR Support
EHT capabilities:
  EHT MAC Capabilities (0x0000):
  EHT PHY Capabilities (0xe01f1b001836803610):
    SU Beamformer
    SU Beamformee
    Beamformee SS (80MHz): 7
    Beamformee SS (160MHz): 7
    Number Of Sounding Dimensions (80MHz): 3
    Number Of Sounding Dimensions (160MHz): 3
    EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
    Max Nc: 1
    Tx 1024-QAM And 4096-QAM < 242-tone RU
    Rx 1024-QAM And 4096-QAM < 242-tone RU
    Common Nominal Packet Padding: 3
    Support Of EHT DUP In 6 GHz
    Non-OFDMA UL MU-MIMO (80MHz)
    Non-OFDMA UL MU-MIMO (160MHz)
    MU Beamformer (80MHz)
    MU Beamformer (160MHz)
  EHT-MCS Map (BW <= 80) (0x444444):
    Rx Max NSS for MCS 0-9: 4
    Tx Max NSS for MCS 0-9: 4
    Rx Max NSS for MCS 10-11: 4
    Tx Max NSS for MCS 10-11: 4
    Rx Max NSS for MCS 12-13: 4
    Tx Max NSS for MCS 12-13: 4
  EHT-MCS Map (BW = 160) (0x444444):
    Rx Max NSS for MCS 0-9: 4
    Tx Max NSS for MCS 0-9: 4
    Rx Max NSS for MCS 10-11: 4
    Tx Max NSS for MCS 10-11: 4
    Rx Max NSS for MCS 12-13: 4
    Tx Max NSS for MCS 12-13: 4
EHT Operation:
  EHT Operation Parameters: (0x44)
    EHT Default PE Duration
    Group Addressed BU Indication Exponent: 0x0
  Basic EHT-MCS And Nss Set: 0x11000000
WMM:
  * Parameter version 1
  * u-APSD
  * BE: CW 15-1023, AIFS 3
  * BK: CW 15-1023, AIFS 7
  * VI: CW 7-15, AIFS 2, TXOP 3008 usec
  * VO: CW 3-7, AIFS 2, TXOP 1504 usec

```

```

BSS ae:90:2d:26:15:69(on sta00524)
  last seen: 5892.316s [boottime]
  TSF: 1583411260 usec (0d, 00:26:23)
  freq: 6295.0
  beacon interval: 100 TUs
  capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
  signal: -42.00 dBm
  last seen: 45 ms ago
  SSID: DEMO_MLO

```

Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0
Country: US Environment: bogus
Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)
Channels [33 - 233] @ 0 dBm
Power constraint: 0 dB
TPC report: TX power: 26 dBm
Extended supported rates: 61.5*
RSN:
* Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
Capabilities: 0x73 0xd0 0x00 0x00 0x0c
Link Measurement
Neighbor Report
Beacon Passive Measurement
Beacon Active Measurement
Beacon Table Measurement
LCI Measurement
Transmit Stream/Category Measurement
Triggered Transmit Stream/Category
FTM Range Report
Civic Location Measurement
Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4
Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* Multiple BSSID
* SSID List
* Operating Mode Notification
* TWT Responder Support
* 80
* 83
Transmit Power Envelope:
Transmit Power Envelope:
HE capabilities:
HE MAC Capabilities (0x010d1a081040):
+HTC HE Supported
TWT Responder
Dynamic BA Fragmentation Level: 1
Minimum Payload size of 128 bytes: 1
BSR
OM Control
Maximum A-MPDU Length Exponent: 3
A-MSDU in A-MPDU
OM Control UL MU Data Disable RX
HE PHY Capabilities: (0x0c634088ff5b811c110800):
HE40/HE80/5GHz
HE160/5GHz
Punctured Preamble RX: 3
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 7
Beamformee STS > 80MHz: 7
Sounding Dimensions <= 80MHz: 3
Sounding Dimensions > 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE RX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

```

HE TX MCS and NSS set 160 MHz
  1 streams: MCS 0-11
  2 streams: MCS 0-11
  3 streams: MCS 0-11
  4 streams: MCS 0-11
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
  HE Operation Parameters: (0x023ff4)
    Default PE Duration: 4
    TXOP Duration RTS Threshold: 1023
    6 GHz Operation Information Present
  BSS Color: 48
  Basic HE-MCS NSS Set: 0xffff
    1 streams: MCS 0-7
    2 streams: not supported
    3 streams: not supported
    4 streams: not supported
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  6 GHz Operation Information: 0x4503474f01
    Primary Channel: 69
    Channel Width: 80+80 or 160 MHz
    Regulatory Info: 0
    Center Frequency Segment 0: 71
    Center Frequency Segment 1: 79
    Minimum Rate: 1
EHT capabilities:
  EHT MAC Capabilities (0x0000):
  EHT PHY Capabilities (0xe2ffdb001836801e10):
    320MHz in 6GHz Supported
    SU Beamformer
    SU Beamformee
    Beamformee SS (80MHz): 7
    Beamformee SS (160MHz): 7
    Beamformee SS (320MHz): 7
    Number Of Sounding Dimensions (80MHz): 3
    Number Of Sounding Dimensions (160MHz): 3
    Number Of Sounding Dimensions (320MHz): 3
    EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
    Max Nc: 1
    Tx 1024-QAM And 4096-QAM < 242-tone RU
    Rx 1024-QAM And 4096-QAM < 242-tone RU
    Common Nominal Packet Padding: 3
    Support Of EHT DUP In 6 GHz
    Non-OFDMA UL MU-MIMO (80MHz)
    Non-OFDMA UL MU-MIMO (160MHz)
    Non-OFDMA UL MU-MIMO (320MHz)
    MU Beamformer (80MHz)
  EHT-MCS Map (BW <= 80) (0x444444):
    Rx Max NSS for MCS 0-9: 4
    Tx Max NSS for MCS 0-9: 4
    Rx Max NSS for MCS 10-11: 4
    Tx Max NSS for MCS 10-11: 4
    Rx Max NSS for MCS 12-13: 4
    Tx Max NSS for MCS 12-13: 4
  EHT-MCS Map (BW = 160) (0x444444):
    Rx Max NSS for MCS 0-9: 4
    Tx Max NSS for MCS 0-9: 4
    Rx Max NSS for MCS 10-11: 4
    Tx Max NSS for MCS 10-11: 4
    Rx Max NSS for MCS 12-13: 4
    Tx Max NSS for MCS 12-13: 4
  EHT-MCS Map (BW = 320) (0x444444):
    Rx Max NSS for MCS 0-9: 4
    Tx Max NSS for MCS 0-9: 4
    Rx Max NSS for MCS 10-11: 4
    Tx Max NSS for MCS 10-11: 4
    Rx Max NSS for MCS 12-13: 4
    Tx Max NSS for MCS 12-13: 4
EHT Operation:
  EHT Operation Parameters: (0x45)
    EHT Default PE Duration
    Group Addressed BU Indication Exponent: 0x0
  Basic EHT-MCS And Nss Set: 0x11000000
  EHT Operation Info: 0x044f3f
    Channel Width: 320 MHz
    Center Frequency Segment 0: 79
    Center Frequency Segment 1: 63
WMM:
  * Parameter version 1
  * u-APSD
  * BE: CW 15-1023, AIFS 3
  * BK: CW 15-1023, AIFS 7
  * VI: CW 7-15, AIFS 2, TXOP 3008 usec
  * VO: CW 3-7, AIFS 2, TXOP 1504 usec
Multi-Link:
  MLD MAC: 8c:90:2d:26:15:69
  Link ID: 2
    EML Capabilities: 0x0001
    EMLSR Support

BSS 92:90:2d:26:15:66(on sta01025)
  last seen: 5886.463s [boottime]
  TSF: 1578520639 usec (0d, 00:26:18)
  freq: 2437.0
  beacon interval: 100 TUs

```


capability: ESS Privacy ShortPreamble ShortSlotTime RadioMeasure (0x1431)
signal: -24.00 dBm
last seen: 66 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 1.0* 2.0* 5.5* 11.0* 6.0 9.0 12.0 18.0
DS Parameter set: channel 6
Country: US Environment: Indoor/Outdoor
Channels [1 - 11] @ 30 dBm
TPC report: TX power: 29 dBm
ERP: <no flags>
Extended supported rates: 24.0 36.0 48.0 54.0
RSN: * Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
Capabilities: 0x73 0xd0 0x00 0x00 0x0c
Link Measurement
Neighbor Report
Beacon Passive Measurement
Beacon Active Measurement
Beacon Table Measurement
LCI Measurement
Transmit Stream/Category Measurement
Triggered Transmit Stream/Category
FTM Range Report
Civic Location Measurement
Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4
HT capabilities:
Capabilities: 0x19ef
RX LDPC
HT20/HT40
SM Power Save disabled
RX HT20 SGI
RX HT40 SGI
TX STBC
RX STBC 1-stream
Max AMSDU length: 7935 bytes
DSSS/CCK HT40
Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
Minimum RX AMPDU time spacing: No restriction (0x00)
HT TX/RX MCS rate indexes supported: 0-31
HT operation:
* primary channel: 6
* secondary channel offset: below
* STA channel width: any
* RIFS: 0
* HT protection: no
* non-GF present: 0
* OBSS non-GF present: 0
* dual beacon: 0
* dual CTS protection: 0
* STBC beacon: 0
* L-SIG TXOP Prot: 0
* PCO active: 0
* PCO phase: 0
Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* SSID List
* Operating Mode Notification
* TWT Responder Support
* Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
VHT Capabilities (0x338b7992):
Max MPDU length: 11454
Supported Channel Width: neither 160 nor 80+80
RX LDPC
TX STBC
SU Beamformer
SU Beamformee
MU Beamformer
RX antenna pattern consistency
TX antenna pattern consistency
VHT RX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
VHT RX highest supported: 0 Mbps
VHT TX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
VHT TX highest supported: 0 Mbps
VHT extended NSS: supported
VHT operation:

```

* channel width: 0 (20 or 40 MHz)
* center freq segment 1: 4
* center freq segment 2: 0
* VHT basic MCS set: 0xffff
HE capabilities:
  HE MAC Capabilities (0x010d1a081040):
    +HTC HE Supported
    TWT Responder
    Dynamic BA Fragmentation Level: 1
    Minimum Payload size of 128 bytes: 1
    BSR
    OM Control
    Maximum A-MPDU Length Exponent: 3
    A-MSDU in A-MPDU
    OM Control UL MU Data Disable RX
  HE PHY Capabilities: (0x026040880f43811c110800):
    HE40/2.4GHz
    LDPC Coding in Payload
    HE SU PPDU with 1x HE-LTF and 0.8us GI
    Full Bandwidth UL MU-MIMO
    DCM Max Constellation Rx: 1
    SU Beamformer
    SU Beamformee
    MU Beamformer
    Beamformee STS <= 80MHz: 3
    Sounding Dimensions <= 80MHz: 3
    Ng = 16 SU Feedback
    Codebook Size SU Feedback
    PPE Threshold Present
    HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
    Max NC: 3
    HE ER SU PPDU 4x HE-LTF 0.8us GI
    HE ER SU PPDU 1x HE-LTF 0.8us GI
    RX 1024-QAM
  HE RX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
    PPE Threshold 0x1b 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
  HE Operation Parameters: (0x003ff4)
    Default PE Duration: 4
    TXOP Duration RTS Threshold: 1023
  BSS Color: 4
  Basic HE-MCS NSS Set: 0xffff
    1 streams: MCS 0-7
    2 streams: not supported
    3 streams: not supported
    4 streams: not supported
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
Multi-Link:
  MLD MAC: 8c:90:2d:26:15:69
  Link ID: 0
    EML Capabilities: 0x0001
    EMLSR Support
EHT capabilities:
  EHT MAC Capabilities (0x8000):
    Maximum MPDU Length: 2
  EHT PHY Capabilities (0xe00103001836001210):
    SU Beamformer
    SU Beamformee
    Beamformee SS (80MHz): 3
    Number Of Sounding Dimensions (80MHz): 3
    EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
    Max Nc: 1
    Tx 1024-QAM And 4096-QAM < 242-tone RU
    Rx 1024-QAM And 4096-QAM < 242-tone RU
    Common Nominal Packet Padding: 3
    Non-OFDMA UL MU-MIMO (80MHz)
    MU Beamformer (80MHz)
  EHT-MCS Map (BW <= 80) (0x444444):
    Rx Max NSS for MCS 0-9: 4
    Tx Max NSS for MCS 0-9: 4
    Rx Max NSS for MCS 10-11: 4
    Tx Max NSS for MCS 10-11: 4
    Rx Max NSS for MCS 12-13: 4
    Tx Max NSS for MCS 12-13: 4
EHT Operation:
  EHT Operation Parameters: (0x44)
    EHT Default PE Duration
    Group Addressed BU Indication Exponent: 0x0
  Basic EHT-MCS And Nss Set: 0x11000000
WMM:
  * Parameter version 1
  * u-APSD
  * BE: CW 15-1023, AIFS 3

```

* BK: CW 15-1023, AIFSN 7
* VI: CW 7-15, AIFSN 2, TXOP 3008 usec
* VO: CW 3-7, AIFSN 2, TXOP 1504 usec

BSS 96:90:2d:26:15:67(on sta01025)
last seen: 5886.463s [boottime]
TSF: 1578542867 usec (0d, 00:26:18)
freq: 5180.0
beacon interval: 100 TUs
capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
signal: -32.00 dBm
last seen: 66 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
Country: US Environment: Indoor/Outdoor
Channels [36 - 48] @ 30 dBm
Channels [52 - 64] @ 24 dBm
Channels [100 - 144] @ 24 dBm
Channels [149 - 165] @ 30 dBm
Power constraint: 0 dB
TPC report: TX power: 28 dBm
RSN: * Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
Capabilities: 0x73 0xd0 0x00 0x00 0x0c
Link Measurement
Neighbor Report
Beacon Passive Measurement
Beacon Active Measurement
Beacon Table Measurement
LCI Measurement
Transmit Stream/Category Measurement
Triggered Transmit Stream/Category
FTM Range Report
Civic Location Measurement
Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4
HT capabilities:
Capabilities: 0x9ef
RX LDPC
HT20/HT40
SM Power Save disabled
RX HT20 SGI
RX HT40 SGI
TX STBC
RX STBC 1-stream
Max AMSDU length: 7935 bytes
No DSSS/CKK HT40
Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
Minimum RX AMPDU time spacing: No restriction (0x00)
HT TX/RX MCS rate indexes supported: 0-31
HT operation:
* primary channel: 36
* secondary channel offset: above
* STA channel width: any
* RIFS: 0
* HT protection: no
* non-GF present: 0
* OBSS non-GF present: 0
* dual beacon: 0
* dual CTS protection: 0
* STBC beacon: 0
* L-SIG TXOP Prot: 0
* PCO active: 0
* PCO phase: 0
Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* SSID List
* Operating Mode Notification
* TWT Responder Support
* Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
VHT Capabilities (0x338bf9f6):
Max MPDU length: 11454
Supported Channel Width: 160 MHz
RX LDPC
short GI (80 MHz)
short GI (160/80+80 MHz)
TX STBC
SU Beamformer
SU Beamformee
MU Beamformer
RX antenna pattern consistency
TX antenna pattern consistency
VHT RX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

```

VHT RX highest supported: 0 Mbps
VHT TX MCS set:
  1 streams: MCS 0-9
  2 streams: MCS 0-9
  3 streams: MCS 0-9
  4 streams: MCS 0-9
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported
VHT TX highest supported: 0 Mbps
VHT extended NSS: supported
VHT operation:
  * channel width: 1 (80 MHz)
  * center freq segment 1: 42
  * center freq segment 2: 50
  * VHT basic MCS set: 0xffffc
Transmit Power Envelope:
  * Local Maximum Transmit Power For 20 MHz: 30 dBm
  * Local Maximum Transmit Power For 40 MHz: 30 dBm
  * Local Maximum Transmit Power For 80 MHz: 30 dBm
  * Local Maximum Transmit Power For 160/80+80 MHz: 30 dBm
HE capabilities:
  HE MAC Capabilities (0x010d1a081040):
    +HTC HE Supported
    TWT Responder
    Dynamic BA Fragmentation Level: 1
    Minimum Payload size of 128 bytes: 1
    BSR
    OM Control
    Maximum A-MPDU Length Exponent: 3
    A-MSDU in A-MPDU
    OM Control UL MU Data Disable RX
  HE PHY Capabilities: (0x0c634088ff5b811c110800):
    HE40/HE80/5GHz
    HE160/5GHz
    Punctured Preamble RX: 3
    LDPC Coding in Payload
    HE SU PPDU with 1x HE-LTF and 0.8us GI
    Full Bandwidth UL MU-MIMO
    DCM Max Constellation Rx: 1
    SU Beamformer
    SU Beamformee
    MU Beamformer
    Beamformee STS <= 80MHz: 7
    Beamformee STS > 80MHz: 7
    Sounding Dimensions <= 80MHz: 3
    Sounding Dimensions > 80MHz: 3
    Ng = 16 SU Feedback
    Codebook Size SU Feedback
    PPE Threshold Present
    HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
    Max NC: 3
    HE ER SU PPDU 4x HE-LTF 0.8us GI
    HE ER SU PPDU 1x HE-LTF 0.8us GI
    RX 1024-QAM
  HE RX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE RX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
  HE Operation Parameters: (0x003ff4)
    Default PE Duration: 4
    TXOP Duration RTS Threshold: 1023
  BSS Color: 1
  Basic HE-MCS NSS Set: 0xffffc
    1 streams: MCS 0-7
    2 streams: not supported
    3 streams: not supported

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        4 streams: not supported
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
Multi-Link:
    MLD MAC: 8c:90:2d:26:15:69
    Link ID: 1
        EML Capabilities: 0x0001
            EMLSR Support
EHT capabilities:
    EHT MAC Capabilities (0x0000):
    EHT PHY Capabilities (0xe01f1b001836803610):
        SU Beamformer
        SU Beamformee
        Beamformee SS (80MHz): 7
        Beamformee SS (160MHz): 7
        Number Of Sounding Dimensions (80MHz): 3
        Number Of Sounding Dimensions (160MHz): 3
        EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
        Max Nc: 1
        Tx 1024-QAM And 4096-QAM < 242-tone RU
        Rx 1024-QAM And 4096-QAM < 242-tone RU
        Common Nominal Packet Padding: 3
        Support Of EHT DUP In 6 GHz
        Non-OFDMA UL MU-MIMO (80MHz)
        Non-OFDMA UL MU-MIMO (160MHz)
        MU Beamformer (80MHz)
        MU Beamformer (160MHz)
    EHT-MCS Map (BW <= 80) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT-MCS Map (BW = 160) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
EHT Operation:
    EHT Operation Parameters: (0x44)
        EHT Default PE Duration
        Group Addressed BU Indication Exponent: 0x0
    Basic EHT-MCS And Nss Set: 0x11000000
WMM:
    * Parameter version 1
    * u-APSD
    * BE: CW 15-1023, AIFS 3
    * BK: CW 15-1023, AIFS 7
    * VI: CW 7-15, AIFS 2, TXOP 3008 usec
    * VO: CW 3-7, AIFS 2, TXOP 1504 usec

BSS ae:90:2d:26:15:69(on sta01025)
    last seen: 5886.481s [boottime]
    TSF: 1577574460 usec (0d, 00:26:17)
    freq: 6295.0
    beacon interval: 100 TUs
    capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
    signal: -42.00 dBm
    last seen: 40 ms ago
    SSID: DEMO_MLO
    Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
    TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0
    Country: US Environment: bogus
        Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)
        Channels [33 - 233] @ 0 dBm
    Power constraint: 0 dB
    TPC report: TX power: 26 dBm
    Extended supported rates: 61.5*
    RSN:
        * Version: 1
        * Group cipher: CCMP
        * Pairwise ciphers: CCMP
        * Authentication suites: SAE
        * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
    RM enabled capabilities:
        Capabilities: 0x73 0xd0 0x00 0x00 0x0c
            Link Measurement
            Neighbor Report
            Beacon Passive Measurement
            Beacon Active Measurement
            Beacon Table Measurement
            LCI Measurement
            Transmit Stream/Category Measurement
            Triggered Transmit Stream/Category
            FTM Range Report
            Civic Location Measurement
            Nonoperating Channel Max Measurement Duration: 0
            Measurement Pilot Capability: 4
    Extended capabilities:
        * Extended Channel Switching
        * TFS
        * WNM-Sleep Mode
        * TIM Broadcast
        * BSS Transition
        * Multiple BSSID
        * SSID List
        * Operating Mode Notification
        * TWT Responder Support

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* 80
* 83
Transmit Power Envelope:
Transmit Power Envelope:
HE capabilities:
  HE MAC Capabilities (0x010d1a081040):
    +HTC HE Supported
    TWT Responder
    Dynamic BA Fragmentation Level: 1
    Minimum Payload size of 128 bytes: 1
    BSR
    OM Control
    Maximum A-MPDU Length Exponent: 3
    A-MSDU in A-MPDU
    OM Control UL MU Data Disable RX
  HE PHY Capabilities: (0x0c634088ff5b811c110800):
    HE40/HE80/5GHz
    HE160/5GHz
    Punctured Preamble RX: 3
    LDPC Coding in Payload
    HE SU PPDU with 1x HE-LTF and 0.8us GI
    Full Bandwidth UL MU-MIMO
    DCM Max Constellation Rx: 1
    SU Beamformer
    SU Beamformee
    MU Beamformer
    Beamformee STS <= 80MHz: 7
    Beamformee STS > 80MHz: 7
    Sounding Dimensions <= 80MHz: 3
    Sounding Dimensions > 80MHz: 3
    Ng = 16 SU Feedback
    Codebook Size SU Feedback
    PPE Threshold Present
    HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
    Max NC: 3
    HE ER SU PPDU 4x HE-LTF 0.8us GI
    HE ER SU PPDU 1x HE-LTF 0.8us GI
    RX 1024-QAM
  HE RX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE RX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
  HE Operation Parameters: (0x023ff4)
    Default PE Duration: 4
    TXOP Duration RTS Threshold: 1023
    6 GHz Operation Information Present
  BSS Color: 48
  Basic HE-MCS NSS Set: 0xffff
    1 streams: MCS 0-7
    2 streams: not supported
    3 streams: not supported
    4 streams: not supported
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  6 GHz Operation Information: 0x4503474f01
    Primary Channel: 69
    Channel Width: 80+80 or 160 MHz
    Regulatory Info: 0
    Center Frequency Segment 0: 71
    Center Frequency Segment 1: 79
    Minimum Rate: 1
EHT capabilities:
  EHT MAC Capabilities (0x0000):
  EHT PHY Capabilities (0xe2ffdb001836801e10):
    320MHz in 6GHz Supported
    SU Beamformer

```

SU Beamformee
Beamformee SS (80MHz): 7
Beamformee SS (160MHz): 7
Beamformee SS (320MHz): 7
Number Of Sounding Dimensions (80MHz): 3
Number Of Sounding Dimensions (160MHz): 3
Number Of Sounding Dimensions (320MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 μ s GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Support Of EHT DUP In 6 GHz
Non-OFDMA UL MU-MIMO (80MHz)
Non-OFDMA UL MU-MIMO (160MHz)
Non-OFDMA UL MU-MIMO (320MHz)
MU Beamformer (80MHz)
EHT-MCS Map (BW <= 80) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 160) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 320) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4

EHT Operation:

EHT Operation Parameters: (0x45)
EHT Default PE Duration
Group Addressed BU Indication Exponent: 0x0
Basic EHT-MCS And Nss Set: 0x11000000
EHT Operation Info: 0x044f3f
Channel Width: 320 MHz
Center Frequency Segment 0: 79
Center Frequency Segment 1: 63

WMM:

* Parameter version 1
* u-APSD
* BE: CW 15-1023, AIFS 3
* BK: CW 15-1023, AIFS 7
* VI: CW 7-15, AIFS 2, TXOP 3008 usec
* VO: CW 3-7, AIFS 2, TXOP 1504 usec

Multi-Link:

MLD MAC: 8c:90:2d:26:15:69
Link ID: 2
EML Capabilities: 0x0001
EMLSR Support

BSS 92:90:2d:26:15:66(on sta01501) -- associated

last seen: 60311.559s [boottime]
TSF: 56008227891 usec (0d, 15:33:28)
freq: 2437.0
beacon interval: 100 TUs
capability: ESS Privacy ShortPreamble ShortSlotTime RadioMeasure (0x1431)
signal: -25.00 dBm
last seen: 18 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 1.0* 2.0* 5.5* 11.0* 6.0 9.0 12.0 18.0
DS Parameter set: channel 6
Country: US Environment: Indoor/Outdoor
Channels [1 - 11] @ 30 dBm
TPC report: TX power: 29 dBm
ERP: <no flags>
Extended supported rates: 24.0 36.0 48.0 54.0
RSN:
* Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
Capabilities: 0x73 0xd0 0x00 0x00 0x0c
Link Measurement
Neighbor Report
Beacon Passive Measurement
Beacon Active Measurement
Beacon Table Measurement
LCI Measurement
Transmit Stream/Category Measurement
Triggered Transmit Stream/Category
FTM Range Report
Civic Location Measurement
Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4
HT capabilities:
Capabilities: 0x19ef
RX LDPC
HT20/HT40
SM Power Save disabled
RX HT20 SGI

```

        RX HT40 SGI
        TX STBC
        RX STBC 1-stream
        Max AMSDU length: 7935 bytes
        DSSS/CCK HT40
    Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
    Minimum RX AMPDU time spacing: No restriction (0x00)
    HT TX/RX MCS rate indexes supported: 0-31
HT operation:
    * primary channel: 6
    * secondary channel offset: below
    * STA channel width: any
    * RIFS: 0
    * HT protection: no
    * non-GF present: 0
    * OBSS non-GF present: 0
    * dual beacon: 0
    * dual CTS protection: 0
    * STBC beacon: 0
    * L-SIG TXOP Prot: 0
    * PCO active: 0
    * PCO phase: 0
Extended capabilities:
    * Extended Channel Switching
    * TFS
    * WNM-Sleep Mode
    * TIM Broadcast
    * BSS Transition
    * SSID List
    * Operating Mode Notification
    * TWT Responder Support
    * Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
    VHT Capabilities (0x338b7992):
        Max MPDU length: 11454
        Supported Channel Width: neither 160 nor 80+80
        RX LDPC
        TX STBC
        SU Beamformer
        SU Beamformee
        MU Beamformer
        RX antenna pattern consistency
        TX antenna pattern consistency
    VHT RX MCS set:
        1 streams: MCS 0-9
        2 streams: MCS 0-9
        3 streams: MCS 0-9
        4 streams: MCS 0-9
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    VHT RX highest supported: 0 Mbps
    VHT TX MCS set:
        1 streams: MCS 0-9
        2 streams: MCS 0-9
        3 streams: MCS 0-9
        4 streams: MCS 0-9
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    VHT TX highest supported: 0 Mbps
    VHT extended NSS: supported
VHT operation:
    * channel width: 0 (20 or 40 MHz)
    * center freq segment 1: 4
    * center freq segment 2: 0
    * VHT basic MCS set: 0xffff
HE capabilities:
    HE MAC Capabilities (0x010d1a081040):
        +HTC HE Supported
        TWT Responder
        Dynamic BA Fragmentation Level: 1
        Minimum Payload size of 128 bytes: 1
        BSR
        OM Control
        Maximum A-MPDU Length Exponent: 3
        A-MSDU in A-MPDU
        OM Control UL MU Data Disable RX
    HE PHY Capabilities: (0x026040880f43811c110800):
        HE40/2.4GHz
        LDPC Coding in Payload
        HE SU PPDU with 1x HE-LTF and 0.8us GI
        Full Bandwidth UL MU-MIMO
        DCM Max Constellation Rx: 1
        SU Beamformer
        SU Beamformee
        MU Beamformer
        Beamformee STS <= 80MHz: 3
        Sounding Dimensions <= 80MHz: 3
        Ng = 16 SU Feedback
        Codebook Size SU Feedback
        PPE Threshold Present
        HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
        Max NC: 3
        HE ER SU PPDU 4x HE-LTF 0.8us GI
        HE ER SU PPDU 1x HE-LTF 0.8us GI
        RX 1024-QAM
    HE RX MCS and NSS set <= 80 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11

```


3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x1b 0x1c 0xc7 0x71 0x1c 0xc7 0x71

HE Operation:

HE Operation Parameters: (0x003ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023
BSS Color: 4
Basic HE-MCS NSS Set: 0xffff
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

Multi-Link:

MLD MAC: 8c:90:2d:26:15:69
Link ID: 0
EML Capabilities: 0x0001
EMLSR Support

EHT capabilities:

EHT MAC Capabilities (0x8000):
Maximum MPDU Length: 2
EHT PHY Capabilities (0xe00103001836001210):
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 3
Number Of Sounding Dimensions (80MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 μ s GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Non-OFDMA UL MU-MIMO (80MHz)
MU Beamformer (80MHz)
EHT-MCS Map (BW <= 80) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4

EHT Operation:

EHT Operation Parameters: (0x44)
EHT Default PE Duration
Group Addressed BU Indication Exponent: 0x0
Basic EHT-MCS And Nss Set: 0x11000000

WMM:

* Parameter version 1
* u-APSD
* BE: CW 15-1023, AIFSN 3
* BK: CW 15-1023, AIFSN 7
* VI: CW 7-15, AIFSN 2, TXOP 3008 usec
* VO: CW 3-7, AIFSN 2, TXOP 1504 usec

BSS 96:90:2d:26:15:67(on sta01501)

last seen: 60311.548s [boottime]
TSF: 1609788909 usec (0d, 00:26:49)
freq: 5180.0
beacon interval: 100 TUs
capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
signal: -32.00 dBm
last seen: 29 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
Country: US Environment: Indoor/Outdoor
Channels [36 - 48] @ 30 dBm
Channels [52 - 64] @ 24 dBm
Channels [100 - 144] @ 24 dBm
Channels [149 - 165] @ 30 dBm
Power constraint: 0 dB
TPC report: TX power: 28 dBm
RSN: * Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
Capabilities: 0x73 0xd0 0x00 0x00 0x0c
Link Measurement
Neighbor Report
Beacon Passive Measurement
Beacon Active Measurement
Beacon Table Measurement
LCI Measurement
Transmit Stream/Category Measurement

Triggered Transmit Stream/Category
 FTM Range Report
 Civic Location Measurement
 Nonoperating Channel Max Measurement Duration: 0
 Measurement Pilot Capability: 4
 HT capabilities:
 Capabilities: 0x9ef
 RX LDPC
 HT20/HT40
 SM Power Save disabled
 RX HT20 SGI
 RX HT40 SGI
 TX STBC
 RX STBC 1-stream
 Max AMSDU length: 7935 bytes
 No DSSS/CKK HT40
 Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
 Minimum RX AMPDU time spacing: No restriction (0x00)
 HT TX/RX MCS rate indexes supported: 0-31
 HT operation:
 * primary channel: 36
 * secondary channel offset: above
 * STA channel width: any
 * RIFS: 0
 * HT protection: no
 * non-GF present: 0
 * OBSS non-GF present: 0
 * dual beacon: 0
 * dual CTS protection: 0
 * STBC beacon: 0
 * L-SIG TXOP Prot: 0
 * PCO active: 0
 * PCO phase: 0
 Extended capabilities:
 * Extended Channel Switching
 * TFS
 * WNM-Sleep Mode
 * TIM Broadcast
 * BSS Transition
 * SSID List
 * Operating Mode Notification
 * TWT Responder Support
 * Max Number Of MSDUs In A-MSDU is unlimited
 VHT capabilities:
 VHT Capabilities (0x338bf9f6):
 Max MPDU length: 11454
 Supported Channel Width: 160 MHz
 RX LDPC
 short GI (80 MHz)
 short GI (160/80+80 MHz)
 TX STBC
 SU Beamformer
 SU Beamformee
 MU Beamformer
 RX antenna pattern consistency
 TX antenna pattern consistency
 VHT RX MCS set:
 1 streams: MCS 0-9
 2 streams: MCS 0-9
 3 streams: MCS 0-9
 4 streams: MCS 0-9
 5 streams: not supported
 6 streams: not supported
 7 streams: not supported
 8 streams: not supported
 VHT RX highest supported: 0 Mbps
 VHT TX MCS set:
 1 streams: MCS 0-9
 2 streams: MCS 0-9
 3 streams: MCS 0-9
 4 streams: MCS 0-9
 5 streams: not supported
 6 streams: not supported
 7 streams: not supported
 8 streams: not supported
 VHT TX highest supported: 0 Mbps
 VHT extended NSS: supported
 VHT operation:
 * channel width: 1 (80 MHz)
 * center freq segment 1: 42
 * center freq segment 2: 50
 * VHT basic MCS set: 0xffffc
 Transmit Power Envelope:
 * Local Maximum Transmit Power For 20 MHz: 30 dBm
 * Local Maximum Transmit Power For 40 MHz: 30 dBm
 * Local Maximum Transmit Power For 80 MHz: 30 dBm
 * Local Maximum Transmit Power For 160/80+80 MHz: 30 dBm
 HE capabilities:
 HE MAC Capabilities (0x010d1a081040):
 +HTC HE Supported
 TWT Responder
 Dynamic BA Fragmentation Level: 1
 Minimum Payload size of 128 bytes: 1
 BSR
 OM Control
 Maximum A-MPDU Length Exponent: 3
 A-MSDU in A-MPDU
 OM Control UL MU Data Disable RX
 HE PHY Capabilities: (0x0c634088ff5b811c110800):
 HE40/HE80/5GHz
 HE160/5GHz
 Punctured Preamble RX: 3

```

LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 7
Beamformee STS > 80MHz: 7
Sounding Dimensions <= 80MHz: 3
Sounding Dimensions > 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE RX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
HE Operation Parameters: (0x003ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023
BSS Color: 1
Basic HE-MCS NSS Set: 0xffff
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
Multi-Link:
MLD MAC: 8c:90:2d:26:15:69
Link ID: 1
EML Capabilities: 0x0001
EMLSR Support
EHT capabilities:
EHT MAC Capabilities (0x0000):
EHT PHY Capabilities (0xe01f1b001836803610):
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 7
Beamformee SS (160MHz): 7
Number Of Sounding Dimensions (80MHz): 3
Number Of Sounding Dimensions (160MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Support Of EHT DUP In 6 GHz
Non-OFDMA UL MU-MIMO (80MHz)
Non-OFDMA UL MU-MIMO (160MHz)
MU Beamformer (80MHz)
MU Beamformer (160MHz)
EHT-MCS Map (BW <= 80) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 160) (0x444444):

```

```
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT Operation:
  EHT Operation Parameters: (0x44)
    EHT Default PE Duration
    Group Addressed BU Indication Exponent: 0x0
  Basic EHT-MCS And Nss Set: 0x11000000
WMM:
  * Parameter version 1
  * u-APSD
  * BE: CW 15-1023, AIFSN 3
  * BK: CW 15-1023, AIFSN 7
  * VI: CW 7-15, AIFSN 2, TXOP 3008 usec
  * VO: CW 3-7, AIFSN 2, TXOP 1504 usec
```

```
BSS ae:90:2d:26:15:69(on sta01501)
  last seen: 60311.522s [boottime]
  TSF: 56002056387 usec (0d, 15:33:22)
  freq: 6295.0
  beacon interval: 100 TUs
  capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
  signal: -44.00 dBm
  last seen: 55 ms ago
  SSID: DEMO_MLO
  Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
  TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0
  Country: US      Environment: bogus
    Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)
    Channels [33 - 233] @ 0 dBm
  Power constraint: 0 dB
  TPC report: TX power: 26 dBm
  Extended supported rates: 61.5*
  RSN:
    * Version: 1
    * Group cipher: CCMP
    * Pairwise ciphers: CCMP
    * Authentication suites: SAE
    * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
  RM enabled capabilities:
    Capabilities: 0x73 0xd0 0x00 0x00 0x0c
      Link Measurement
      Neighbor Report
      Beacon Passive Measurement
      Beacon Active Measurement
      Beacon Table Measurement
      LCI Measurement
      Transmit Stream/Category Measurement
      Triggered Transmit Stream/Category
      FTM Range Report
      Civic Location Measurement
    Nonoperating Channel Max Measurement Duration: 0
    Measurement Pilot Capability: 4
  Extended capabilities:
    * Extended Channel Switching
    * TFS
    * WNM-Sleep Mode
    * TIM Broadcast
    * BSS Transition
    * Multiple BSSID
    * SSID List
    * Operating Mode Notification
    * TWT Responder Support
    * 80
    * 83
  Transmit Power Envelope:
  Transmit Power Envelope:
  HE capabilities:
    HE MAC Capabilities (0x010d1a081040):
      +HTC HE Supported
      TWT Responder
      Dynamic BA Fragmentation Level: 1
      Minimum Payload size of 128 bytes: 1
      BSR
      OM Control
      Maximum A-MPDU Length Exponent: 3
      A-MSDU in A-MPDU
      OM Control UL MU Data Disable RX
    HE PHY Capabilities: (0x0c634088ff5b811c110800):
      HE40/HE80/5GHz
      HE160/5GHz
      Punctured Preamble RX: 3
      LDPC Coding in Payload
      HE SU PPDU with 1x HE-LTF and 0.8us GI
      Full Bandwidth UL MU-MIMO
      DCM Max Constellation Rx: 1
      SU Beamformer
      SU Beamformee
      MU Beamformer
      Beamformee STS <= 80MHz: 7
      Beamformee STS > 80MHz: 7
      Sounding Dimensions <= 80MHz: 3
      Sounding Dimensions > 80MHz: 3
      Ng = 16 SU Feedback
      Codebook Size SU Feedback
      PPE Threshold Present
      HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
      Max NC: 3
      HE ER SU PPDU 4x HE-LTF 0.8us GI
      HE ER SU PPDU 1x HE-LTF 0.8us GI
```

```

    RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
HE RX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
HE TX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
    HE Operation Parameters: (0x020394)
        Default PE Duration: 4
        TXOP Duration RTS Threshold: 57
        6 GHz Operation Information Present
    BSS Color: 48
    Basic HE-MCS NSS Set: 0xffff
        1 streams: MCS 0-7
        2 streams: not supported
        3 streams: not supported
        4 streams: not supported
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    6 GHz Operation Information: 0x4503474f01
        Primary Channel: 69
        Channel Width: 80+80 or 160 MHz
        Regulatory Info: 0
        Center Frequency Segment 0: 71
        Center Frequency Segment 1: 79
        Minimum Rate: 1
EHT capabilities:
    EHT MAC Capabilities (0x0000):
    EHT PHY Capabilities (0xe2ffdb001836801e10):
        320MHz in 6GHz Supported
        SU Beamformer
        SU Beamformee
        Beamformee SS (80MHz): 7
        Beamformee SS (160MHz): 7
        Beamformee SS (320MHz): 7
        Number Of Sounding Dimensions (80MHz): 3
        Number Of Sounding Dimensions (160MHz): 3
        Number Of Sounding Dimensions (320MHz): 3
        EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
        Max Nc: 1
        Tx 1024-QAM And 4096-QAM < 242-tone RU
        Rx 1024-QAM And 4096-QAM < 242-tone RU
        Common Nominal Packet Padding: 3
        Support Of EHT DUP In 6 GHz
        Non-OFDMA UL MU-MIMO (80MHz)
        Non-OFDMA UL MU-MIMO (160MHz)
        Non-OFDMA UL MU-MIMO (320MHz)
        MU Beamformer (80MHz)
    EHT-MCS Map (BW <= 80) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT-MCS Map (BW = 160) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT-MCS Map (BW = 320) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4

```

```

Tx Max NSS for MCS 12-13: 4
EHT Operation:
  EHT Operation Parameters: (0x45)
    EHT Default PE Duration
    Group Addressed BU Indication Exponent: 0x0
  Basic EHT-MCS And Nss Set: 0x11000000
  EHT Operation Info: 0x044f3f
    Channel Width: 320 MHz
    Center Frequency Segment 0: 79
    Center Frequency Segment 1: 63
WMM:
  * Parameter version 1
  * u-APSD
  * BE: CW 15-1023, AIFS 3
  * BK: CW 15-1023, AIFS 7
  * VI: CW 7-15, AIFS 2, TXOP 3008 usec
  * VO: CW 3-7, AIFS 2, TXOP 1504 usec
Multi-Link:
  MLD MAC: 8c:90:2d:26:15:69
  Link ID: 2
    EML Capabilities: 0x0001
    EMLSR Support

BSS 92:90:2d:26:15:66(on sta02026)
  last seen: 5915.139s [boottime]
  TSF: 1597072075 usec (0d, 00:26:37)
  freq: 2437.0
  beacon interval: 100 TUs
  capability: ESS Privacy ShortPreamble ShortSlotTime RadioMeasure (0x1431)
  signal: -25.00 dBm
  last seen: 70 ms ago
  Information elements from Probe Response frame:
  SSID: DEMO_MLO
  Supported rates: 1.0* 2.0* 5.5* 11.0* 6.0 9.0 12.0 18.0
  DS Parameter set: channel 6
  Country: US Environment: Indoor/Outdoor
    Channels [1 - 11] @ 30 dBm
  TPC report: TX power: 29 dBm
  ERP: <no flags>
  Extended supported rates: 24.0 36.0 48.0 54.0
  RSN:
    * Version: 1
    * Group cipher: CCMP
    * Pairwise ciphers: CCMP
    * Authentication suites: SAE
    * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
  RM enabled capabilities:
    Capabilities: 0x73 0xd0 0x00 0x00 0x0c
      Link Measurement
      Neighbor Report
      Beacon Passive Measurement
      Beacon Active Measurement
      Beacon Table Measurement
      LCI Measurement
      Transmit Stream/Category Measurement
      Triggered Transmit Stream/Category
      FTM Range Report
      Civic Location Measurement
    Nonoperating Channel Max Measurement Duration: 0
    Measurement Pilot Capability: 4
  HT capabilities:
    Capabilities: 0x19ef
      RX LDPC
      HT20/HT40
      SM Power Save disabled
      RX HT20 SGI
      RX HT40 SGI
      TX STBC
      RX STBC 1-stream
      Max AMSDU length: 7935 bytes
      DSSS/CCK HT40
      Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
      Minimum RX AMPDU time spacing: No restriction (0x00)
      HT TX/RX MCS rate indexes supported: 0-31
  HT operation:
    * primary channel: 6
    * secondary channel offset: below
    * STA channel width: any
    * RIFS: 0
    * HT protection: no
    * non-GF present: 0
    * OBSS non-GF present: 0
    * dual beacon: 0
    * dual CTS protection: 0
    * STBC beacon: 0
    * L-SIG TXOP Prot: 0
    * PCO active: 0
    * PCO phase: 0
  Extended capabilities:
    * Extended Channel Switching
    * TFS
    * WMM-Sleep Mode
    * TIM Broadcast
    * BSS Transition
    * SSID List
    * Operating Mode Notification
    * TWT Responder Support
    * Max Number Of MSDUs In A-MSDU is unlimited
  VHT capabilities:
    VHT Capabilities (0x338b7992):
      Max MPDU length: 11454
      Supported Channel Width: neither 160 nor 80+80
      RX LDPC

```

```

TX STBC
SU Beamformer
SU Beamformee
MU Beamformer
RX antenna pattern consistency
TX antenna pattern consistency
VHT RX MCS set:
  1 streams: MCS 0-9
  2 streams: MCS 0-9
  3 streams: MCS 0-9
  4 streams: MCS 0-9
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported
VHT RX highest supported: 0 Mbps
VHT TX MCS set:
  1 streams: MCS 0-9
  2 streams: MCS 0-9
  3 streams: MCS 0-9
  4 streams: MCS 0-9
  5 streams: not supported
  6 streams: not supported
  7 streams: not supported
  8 streams: not supported
VHT TX highest supported: 0 Mbps
VHT extended NSS: supported
VHT operation:
  * channel width: 0 (20 or 40 MHz)
  * center freq segment 1: 4
  * center freq segment 2: 0
  * VHT basic MCS set: 0xffff
HE capabilities:
  HE MAC Capabilities (0x010d1a081040):
    +HTC HE Supported
    TWT Responder
    Dynamic BA Fragmentation Level: 1
    Minimum Payload size of 128 bytes: 1
    BSR
    OM Control
    Maximum A-MPDU Length Exponent: 3
    A-MSDU in A-MPDU
    OM Control UL MU Data Disable RX
  HE PHY Capabilities: (0x026040880f43811c110800):
    HE40/2.4GHz
    LDPC Coding in Payload
    HE SU PPDU with 1x HE-LTF and 0.8us GI
    Full Bandwidth UL MU-MIMO
    DCM Max Constellation Rx: 1
    SU Beamformer
    SU Beamformee
    MU Beamformer
    Beamformee STS <= 80MHz: 3
    Sounding Dimensions <= 80MHz: 3
    Ng = 16 SU Feedback
    Codebook Size SU Feedback
    PPE Threshold Present
    HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
    Max NC: 3
    HE ER SU PPDU 4x HE-LTF 0.8us GI
    HE ER SU PPDU 1x HE-LTF 0.8us GI
    RX 1024-QAM
  HE RX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  PPE Threshold 0x1b 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
  HE Operation Parameters: (0x003ff4)
    Default PE Duration: 4
    TXOP Duration RTS Threshold: 1023
  BSS Color: 4
  Basic HE-MCS NSS Set: 0xffff
    1 streams: MCS 0-7
    2 streams: not supported
    3 streams: not supported
    4 streams: not supported
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
Multi-Link:
  MLD MAC: 8c:90:2d:26:15:69
  Link ID: 0
    EML Capabilities: 0x0001
    EMLSR Support
EHT capabilities:
  EHT MAC Capabilities (0x8000):

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```

        Maximum MPDU Length: 2
    EHT PHY Capabilities (0xe00103001836001210):
        SU Beamformer
        SU Beamformee
        Beamformee SS (80MHz): 3
        Number Of Sounding Dimensions (80MHz): 3
        EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
        Max Nc: 1
        Tx 1024-QAM And 4096-QAM < 242-tone RU
        Rx 1024-QAM And 4096-QAM < 242-tone RU
        Common Nominal Packet Padding: 3
        Non-OFDMA UL MU-MIMO (80MHz)
        MU Beamformer (80MHz)
    EHT-MCS Map (BW <= 80) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT Operation:
        EHT Operation Parameters: (0x44)
        EHT Default PE Duration
        Group Addressed BU Indication Exponent: 0x0
        Basic EHT-MCS And Nss Set: 0x11000000
WMM:
    * Parameter version 1
    * u-APSD
    * BE: CW 15-1023, AIFS 3
    * BK: CW 15-1023, AIFS 7
    * VI: CW 7-15, AIFS 2, TXOP 3008 usec
    * VO: CW 3-7, AIFS 2, TXOP 1504 usec

BSS 96:90:2d:26:15:67(on sta02026)
    last seen: 5915.139s [boottime]
    TSF: 1609788909 usec (0d, 00:26:49)
    freq: 5180.0
    beacon interval: 100 TUs
    capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
    signal: -31.00 dBm
    last seen: 45 ms ago
    Information elements from Probe Response frame:
    SSID: DEMO_MLO
    Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
    Country: US      Environment: Indoor/Outdoor
        Channels [36 - 48] @ 30 dBm
        Channels [52 - 64] @ 24 dBm
        Channels [100 - 144] @ 24 dBm
        Channels [149 - 165] @ 30 dBm
    Power constraint: 0 dB
    TPC report: TX power: 28 dBm
    RSN:
        * Version: 1
        * Group cipher: CCMP
        * Pairwise ciphers: CCMP
        * Authentication suites: SAE
        * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
    RM enabled capabilities:
        Capabilities: 0x73 0xd0 0x00 0x00 0x00 0x0c
            Link Measurement
            Neighbor Report
            Beacon Passive Measurement
            Beacon Active Measurement
            Beacon Table Measurement
            LCI Measurement
            Transmit Stream/Category Measurement
            Triggered Transmit Stream/Category
            FTM Range Report
            Civic Location Measurement
            Nonoperating Channel Max Measurement Duration: 0
            Measurement Pilot Capability: 4
    HT capabilities:
        Capabilities: 0x9ef
            RX LDPC
            HT20/HT40
            SM Power Save disabled
            RX HT20 SGI
            RX HT40 SGI
            TX STBC
            RX STBC 1-stream
            Max AMSDU length: 7935 bytes
            No DSSS/CCK HT40
            Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
            Minimum RX AMPDU time spacing: No restriction (0x00)
            HT TX/RX MCS rate indexes supported: 0-31
    HT operation:
        * primary channel: 36
        * secondary channel offset: above
        * STA channel width: any
        * RIFS: 0
        * HT protection: no
        * non-GF present: 0
        * OBSS non-GF present: 0
        * dual beacon: 0
        * dual CTS protection: 0
        * STBC beacon: 0
        * L-SIG TXOP Prot: 0
        * PCO active: 0
        * PCO phase: 0
    Extended capabilities:
        * Extended Channel Switching
        * TFS
        * WNM-Sleep Mode

```


- * TIM Broadcast
- * BSS Transition
- * SSID List
- * Operating Mode Notification
- * TWT Responder Support
- * Max Number Of MSDUs In A-MSDU is unlimited

VHT capabilities:

VHT Capabilities (0x338bf9f6):

- Max MPDU length: 11454
- Supported Channel Width: 160 MHz
- RX LDPC
- short GI (80 MHz)
- short GI (160/80+80 MHz)
- TX STBC
- SU Beamformer
- SU Beamformee
- MU Beamformer
- RX antenna pattern consistency
- TX antenna pattern consistency

VHT RX MCS set:

- 1 streams: MCS 0-9
- 2 streams: MCS 0-9
- 3 streams: MCS 0-9
- 4 streams: MCS 0-9
- 5 streams: not supported
- 6 streams: not supported
- 7 streams: not supported
- 8 streams: not supported

VHT RX highest supported: 0 Mbps

VHT TX MCS set:

- 1 streams: MCS 0-9
- 2 streams: MCS 0-9
- 3 streams: MCS 0-9
- 4 streams: MCS 0-9
- 5 streams: not supported
- 6 streams: not supported
- 7 streams: not supported
- 8 streams: not supported

VHT TX highest supported: 0 Mbps

VHT extended NSS: supported

VHT operation:

- * channel width: 1 (80 MHz)
- * center freq segment 1: 42
- * center freq segment 2: 50
- * VHT basic MCS set: 0xffff

Transmit Power Envelope:

- * Local Maximum Transmit Power For 20 MHz: 30 dBm
- * Local Maximum Transmit Power For 40 MHz: 30 dBm
- * Local Maximum Transmit Power For 80 MHz: 30 dBm
- * Local Maximum Transmit Power For 160/80+80 MHz: 30 dBm

HE capabilities:

HE MAC Capabilities (0x010d1a081040):

- +HTC HE Supported
- TWT Responder
- Dynamic BA Fragmentation Level: 1
- Minimum Payload size of 128 bytes: 1
- BSR
- OM Control
- Maximum A-MPDU Length Exponent: 3
- A-MSDU in A-MPDU
- OM Control UL MU Data Disable RX

HE PHY Capabilities: (0x0c634088ff5b811c110800):

- HE40/HE80/5GHz
- HE160/5GHz
- Punctured Preamble RX: 3
- LDPC Coding in Payload
- HE SU PPDU with 1x HE-LTF and 0.8us GI
- Full Bandwidth UL MU-MIMO
- DCM Max Constellation Rx: 1
- SU Beamformer
- SU Beamformee
- MU Beamformer
- Beamformee STS <= 80MHz: 7
- Beamformee STS > 80MHz: 7
- Sounding Dimensions <= 80MHz: 3
- Sounding Dimensions > 80MHz: 3
- Ng = 16 SU Feedback
- Codebook Size SU Feedback
- PPE Threshold Present
- HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
- Max NC: 3
- HE ER SU PPDU 4x HE-LTF 0.8us GI
- HE ER SU PPDU 1x HE-LTF 0.8us GI
- RX 1024-QAM

HE RX MCS and NSS set <= 80 MHz

- 1 streams: MCS 0-11
- 2 streams: MCS 0-11
- 3 streams: MCS 0-11
- 4 streams: MCS 0-11
- 5 streams: not supported
- 6 streams: not supported
- 7 streams: not supported
- 8 streams: not supported

HE TX MCS and NSS set <= 80 MHz

- 1 streams: MCS 0-11
- 2 streams: MCS 0-11
- 3 streams: MCS 0-11
- 4 streams: MCS 0-11
- 5 streams: not supported
- 6 streams: not supported
- 7 streams: not supported
- 8 streams: not supported

HE RX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71

HE Operation:

HE Operation Parameters: (0x003ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023

BSS Color: 1

Basic HE-MCS NSS Set: 0xffff

1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

Multi-Link:

MLD MAC: 8c:90:2d:26:15:69

Link ID: 1

EML Capabilities: 0x0001

EMLSR Support

EHT capabilities:

EHT MAC Capabilities (0x0000):

EHT PHY Capabilities (0xe01fb001836803610):

SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 7
Beamformee SS (160MHz): 7
Number Of Sounding Dimensions (80MHz): 3
Number Of Sounding Dimensions (160MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 μ s GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Support Of EHT DUP In 6 GHz
Non-OFDMA UL MU-MIMO (80MHz)
Non-OFDMA UL MU-MIMO (160MHz)
MU Beamformer (80MHz)
MU Beamformer (160MHz)

EHT-MCS Map (BW <= 80) (0x444444):

Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4

EHT-MCS Map (BW = 160) (0x444444):

Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4

EHT Operation:

EHT Operation Parameters: (0x44)

EHT Default PE Duration

Group Addressed BU Indication Exponent: 0x0

Basic EHT-MCS And Nss Set: 0x11000000

WMM:

* Parameter version 1
* u-APSD
* BE: CW 15-1023, AIFSN 3
* BK: CW 15-1023, AIFSN 7
* VI: CW 7-15, AIFSN 2, TXOP 3008 usec
* VO: CW 3-7, AIFSN 2, TXOP 1504 usec

BSS ae:90:2d:26:15:69(on sta02026)

last seen: 5915.153s [boottime]

TSF: 1606246460 usec (0d, 00:26:46)

freq: 6295.0

beacon interval: 100 TUs

capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)

signal: -42.00 dBm

last seen: 56 ms ago

SSID: DEMO_MLO

Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0

TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0

Country: US Environment: bogus

Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)

Channels [33 - 233] @ 0 dBm

Power constraint: 0 dB

TPC report: TX power: 26 dBm

Extended supported rates: 61.5*

RSN: * Version: 1

```

* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
  Capabilities: 0x73 0xd0 0x00 0x00 0x0c
    Link Measurement
    Neighbor Report
    Beacon Passive Measurement
    Beacon Active Measurement
    Beacon Table Measurement
    LCI Measurement
    Transmit Stream/Category Measurement
    Triggered Transmit Stream/Category
    FTM Range Report
    Civic Location Measurement
  Nonoperating Channel Max Measurement Duration: 0
  Measurement Pilot Capability: 4
Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* Multiple BSSID
* SSID List
* Operating Mode Notification
* TWT Responder Support
* 80
* 83
Transmit Power Envelope:
Transmit Power Envelope:
HE capabilities:
  HE MAC Capabilities (0x010d1a081040):
    +HTC HE Supported
    TWT Responder
    Dynamic BA Fragmentation Level: 1
    Minimum Payload size of 128 bytes: 1
    BSR
    OM Control
    Maximum A-MPDU Length Exponent: 3
    A-MSDU in A-MPDU
    OM Control UL MU Data Disable RX
  HE PHY Capabilities: (0x0c634088ff5b811c110800):
    HE40/HE80/5GHz
    HE160/5GHz
    Punctured Preamble RX: 3
    LDPC Coding in Payload
    HE SU PPDU with 1x HE-LTF and 0.8us GI
    Full Bandwidth UL MU-MIMO
    DCM Max Constellation Rx: 1
    SU Beamformer
    SU Beamformee
    MU Beamformer
    Beamformee STS <= 80MHz: 7
    Beamformee STS > 80MHz: 7
    Sounding Dimensions <= 80MHz: 3
    Sounding Dimensions > 80MHz: 3
    Ng = 16 SU Feedback
    Codebook Size SU Feedback
    PPE Threshold Present
    HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
    Max NC: 3
    HE ER SU PPDU 4x HE-LTF 0.8us GI
    HE ER SU PPDU 1x HE-LTF 0.8us GI
    RX 1024-QAM
  HE RX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE RX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported

```

PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71

HE Operation:

HE Operation Parameters: (0x023ff4)

Default PE Duration: 4

TXOP Duration RTS Threshold: 1023

6 GHz Operation Information Present

BSS Color: 48

Basic HE-MCS NSS Set: 0xffff

1 streams: MCS 0-7

2 streams: not supported

3 streams: not supported

4 streams: not supported

5 streams: not supported

6 streams: not supported

7 streams: not supported

8 streams: not supported

6 GHz Operation Information: 0x4503474f01

Primary Channel: 69

Channel Width: 80+80 or 160 MHz

Regulatory Info: 0

Center Frequency Segment 0: 71

Center Frequency Segment 1: 79

Minimum Rate: 1

EHT capabilities:

EHT MAC Capabilities (0x0000):

EHT PHY Capabilities (0xe2ffdb001836801e10):

320MHz in 6GHz Supported

SU Beamformer

SU Beamformee

Beamformee SS (80MHz): 7

Beamformee SS (160MHz): 7

Beamformee SS (320MHz): 7

Number Of Sounding Dimensions (80MHz): 3

Number Of Sounding Dimensions (160MHz): 3

Number Of Sounding Dimensions (320MHz): 3

EHT MU PPDU With 4 EHT-LTF And 0.8 μ s GI

Max Nc: 1

Tx 1024-QAM And 4096-QAM < 242-tone RU

Rx 1024-QAM And 4096-QAM < 242-tone RU

Common Nominal Packet Padding: 3

Support Of EHT DUP In 6 GHz

Non-OFDMA UL MU-MIMO (80MHz)

Non-OFDMA UL MU-MIMO (160MHz)

Non-OFDMA UL MU-MIMO (320MHz)

MU Beamformer (80MHz)

EHT-MCS Map (BW <= 80) (0x444444):

Rx Max NSS for MCS 0-9: 4

Tx Max NSS for MCS 0-9: 4

Rx Max NSS for MCS 10-11: 4

Tx Max NSS for MCS 10-11: 4

Rx Max NSS for MCS 12-13: 4

Tx Max NSS for MCS 12-13: 4

EHT-MCS Map (BW = 160) (0x444444):

Rx Max NSS for MCS 0-9: 4

Tx Max NSS for MCS 0-9: 4

Rx Max NSS for MCS 10-11: 4

Tx Max NSS for MCS 10-11: 4

Rx Max NSS for MCS 12-13: 4

Tx Max NSS for MCS 12-13: 4

EHT-MCS Map (BW = 320) (0x444444):

Rx Max NSS for MCS 0-9: 4

Tx Max NSS for MCS 0-9: 4

Rx Max NSS for MCS 10-11: 4

Tx Max NSS for MCS 10-11: 4

Rx Max NSS for MCS 12-13: 4

Tx Max NSS for MCS 12-13: 4

EHT Operation:

EHT Operation Parameters: (0x45)

EHT Default PE Duration

Group Addressed BU Indication Exponent: 0x0

Basic EHT-MCS And Nss Set: 0x11000000

EHT Operation Info: 0x044f3f

Channel Width: 320 MHz

Center Frequency Segment 0: 79

Center Frequency Segment 1: 63

WMM:

* Parameter version 1

* u-APSD

* BE: CW 15-1023, AIFS 3

* BK: CW 15-1023, AIFS 7

* VI: CW 7-15, AIFS 2, TXOP 3008 usec

* VO: CW 3-7, AIFS 2, TXOP 1504 usec

Multi-Link:

MLD MAC: 8c:90:2d:26:15:69

Link ID: 2

EML Capabilities: 0x0001

EMLSR Support

BSS 92:90:2d:26:15:66(on sta02525)

last seen: 5917.287s [boottime]

TSF: 1597072075 usec (0d, 00:26:37)

freq: 2437.0

beacon interval: 100 TUs

capability: ESS Privacy ShortPreamble ShortSlotTime RadioMeasure (0x1431)

signal: -25.00 dBm

last seen: 88 ms ago

Information elements from Probe Response frame:

SSID: DEMO_MLO

Supported rates: 1.0* 2.0* 5.5* 11.0* 6.0 9.0 12.0 18.0

DS Parameter set: channel 6

Country: US Environment: Indoor/Outdoor

Channels [1 - 11] @ 30 dBm

TPC report: TX power: 29 dBm
ERP: <no flags>
Extended supported rates: 24.0 36.0 48.0 54.0
RSN: * Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
Capabilities: 0x73 0xd0 0x00 0x00 0x0c
Link Measurement
Neighbor Report
Beacon Passive Measurement
Beacon Active Measurement
Beacon Table Measurement
LCI Measurement
Transmit Stream/Category Measurement
Triggered Transmit Stream/Category
FTM Range Report
Civic Location Measurement
Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4
HT capabilities:
Capabilities: 0x19ef
RX LDPC
HT20/HT40
SM Power Save disabled
RX HT20 SGI
RX HT40 SGI
TX STBC
RX STBC 1-stream
Max AMSDU length: 7935 bytes
DSSS/CCK HT40
Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
Minimum RX AMPDU time spacing: No restriction (0x00)
HT TX/RX MCS rate indexes supported: 0-31
HT operation:
* primary channel: 6
* secondary channel offset: below
* STA channel width: any
* RIFS: 0
* HT protection: no
* non-GF present: 0
* OBSS non-GF present: 0
* dual beacon: 0
* dual CTS protection: 0
* STBC beacon: 0
* L-SIG TXOP Prot: 0
* PCO active: 0
* PCO phase: 0
Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* SSID List
* Operating Mode Notification
* TWT Responder Support
* Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
VHT Capabilities (0x338b7992):
Max MPDU length: 11454
Supported Channel Width: neither 160 nor 80+80
RX LDPC
TX STBC
SU Beamformer
SU Beamformee
MU Beamformer
RX antenna pattern consistency
TX antenna pattern consistency
VHT RX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
VHT RX highest supported: 0 Mbps
VHT TX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
VHT TX highest supported: 0 Mbps
VHT extended NSS: supported
VHT operation:
* channel width: 0 (20 or 40 MHz)
* center freq segment 1: 4
* center freq segment 2: 0
* VHT basic MCS set: 0xffff
HE capabilities:
HE MAC Capabilities (0x010d1a081040):
+HTC HE Supported
TWT Responder
Dynamic BA Framementation Level: 1

```

Minimum Payload size of 128 bytes: 1
BSR
OM Control
Maximum A-MPDU Length Exponent: 3
A-MSDU in A-MPDU
OM Control UL MU Data Disable RX
HE PHY Capabilities: (0x026040880f43811c110800):
HE40/2.4GHz
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 3
Sounding Dimensions <= 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x1b 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
HE Operation Parameters: (0x003ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023
BSS Color: 4
Basic HE-MCS NSS Set: 0xffffc
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
Multi-Link:
MLD MAC: 8c:90:2d:26:15:69
Link ID: 0
EML Capabilities: 0x0001
EMLSR Support
EHT capabilities:
EHT MAC Capabilities (0x8000):
Maximum MPDU Length: 2
EHT PHY Capabilities (0xe00103001836001210):
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 3
Number Of Sounding Dimensions (80MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Non-OFDMA UL MU-MIMO (80MHz)
MU Beamformer (80MHz)
EHT-MCS Map (BW <= 80) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT Operation:
EHT Operation Parameters: (0x44)
EHT Default PE Duration
Group Addressed BU Indication Exponent: 0x0
Basic EHT-MCS And Nss Set: 0x11000000
WMM:
* Parameter version 1
* u-APSD
* BE: CW 15-1023, AIFS 3
* BK: CW 15-1023, AIFS 7
* VI: CW 7-15, AIFS 2, TXOP 3008 usec
* VO: CW 3-7, AIFS 2, TXOP 1504 usec

```

```

BSS 96:90:2d:26:15:67(on sta02525)
last seen: 5917.287s [boottime]
TSF: 1609788909 usec (0d, 00:26:49)
freq: 5180.0

```

beacon interval: 100 TUs
capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
signal: -32.00 dBm
last seen: 88 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
Country: US Environment: Indoor/Outdoor
Channels [36 - 48] @ 30 dBm
Channels [52 - 64] @ 24 dBm
Channels [100 - 144] @ 24 dBm
Channels [149 - 165] @ 30 dBm
Power constraint: 0 dB
TPC report: TX power: 28 dBm
RSN: * Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
Capabilities: 0x73 0xd0 0x00 0x00 0x0c
Link Measurement
Neighbor Report
Beacon Passive Measurement
Beacon Active Measurement
Beacon Table Measurement
LCI Measurement
Transmit Stream/Category Measurement
Triggered Transmit Stream/Category
FTM Range Report
Civic Location Measurement
Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4
HT capabilities:
Capabilities: 0x9ef
RX LDPC
HT20/HT40
SM Power Save disabled
RX HT20 SGI
RX HT40 SGI
TX STBC
RX STBC 1-stream
Max AMSDU length: 7935 bytes
No DSSS/CKK HT40
Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
Minimum RX AMPDU time spacing: No restriction (0x00)
HT TX/RX MCS rate indexes supported: 0-31
HT operation:
* primary channel: 36
* secondary channel offset: above
* STA channel width: any
* RIFS: 0
* HT protection: no
* non-GF present: 0
* OBSS non-GF present: 0
* dual beacon: 0
* dual CTS protection: 0
* STBC beacon: 0
* L-SIG TXOP Prot: 0
* PCO active: 0
* PCO phase: 0
Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* SSID List
* Operating Mode Notification
* TWT Responder Support
* Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
VHT Capabilities (0x338bf9f6):
Max MPDU length: 11454
Supported Channel Width: 160 MHz
RX LDPC
short GI (80 MHz)
short GI (160/80+80 MHz)
TX STBC
SU Beamformer
SU Beamformee
MU Beamformer
RX antenna pattern consistency
TX antenna pattern consistency
VHT RX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
VHT RX highest supported: 0 Mbps
VHT TX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported

```

        8 streams: not supported
VHT TX highest supported: 0 Mbps
VHT extended NSS: supported
VHT operation:
    * channel width: 1 (80 MHz)
    * center freq segment 1: 42
    * center freq segment 2: 50
    * VHT basic MCS set: 0xffffc
Transmit Power Envelope:
    * Local Maximum Transmit Power For 20 MHz: 30 dBm
    * Local Maximum Transmit Power For 40 MHz: 30 dBm
    * Local Maximum Transmit Power For 80 MHz: 30 dBm
    * Local Maximum Transmit Power For 160/80+80 MHz: 30 dBm
HE capabilities:
    HE MAC Capabilities (0x010d1a081040):
        +HTC HE Supported
        TWT Responder
        Dynamic BA Fragmentation Level: 1
        Minimum Payload size of 128 bytes: 1
        BSR
        OM Control
        Maximum A-MPDU Length Exponent: 3
        A-MSDU in A-MPDU
        OM Control UL MU Data Disable RX
    HE PHY Capabilities: (0x0c634088ff5b811c110800):
        HE40/HE80/5GHz
        HE160/5GHz
        Punctured Preamble RX: 3
        LDPC Coding in Payload
        HE SU PPDU with 1x HE-LTF and 0.8us GI
        Full Bandwidth UL MU-MIMO
        DCM Max Constellation Rx: 1
        SU Beamformer
        SU Beamformee
        MU Beamformer
        Beamformee STS <= 80MHz: 7
        Beamformee STS > 80MHz: 7
        Sounding Dimensions <= 80MHz: 3
        Sounding Dimensions > 80MHz: 3
        Ng = 16 SU Feedback
        Codebook Size SU Feedback
        PPE Threshold Present
        HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
        Max NC: 3
        HE ER SU PPDU 4x HE-LTF 0.8us GI
        HE ER SU PPDU 1x HE-LTF 0.8us GI
        RX 1024-QAM
    HE RX MCS and NSS set <= 80 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11
        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    HE TX MCS and NSS set <= 80 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11
        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    HE RX MCS and NSS set 160 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11
        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    HE TX MCS and NSS set 160 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11
        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
    HE Operation Parameters: (0x003ff4)
        Default PE Duration: 4
        TXOP Duration RTS Threshold: 1023
    BSS Color: 1
    Basic HE-MCS NSS Set: 0xffffc
        1 streams: MCS 0-7
        2 streams: not supported
        3 streams: not supported
        4 streams: not supported
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
Multi-Link:
    MLD MAC: 8c:90:2d:26:15:69
    Link ID: 1
    EML Capabilities: 0x0001

```


EMLSR Support

EHT capabilities:

```

EHT MAC Capabilities (0x0000):
EHT PHY Capabilities (0xe01f1b001836803610):
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 7
Beamformee SS (160MHz): 7
Number Of Sounding Dimensions (80MHz): 3
Number Of Sounding Dimensions (160MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Support Of EHT DUP In 6 GHz
Non-OFDMA UL MU-MIMO (80MHz)
Non-OFDMA UL MU-MIMO (160MHz)
MU Beamformer (80MHz)
MU Beamformer (160MHz)
EHT-MCS Map (BW <= 80) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 160) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4

```

EHT Operation:

```

EHT Operation Parameters: (0x44)
EHT Default PE Duration
Group Addressed BU Indication Exponent: 0x0
Basic EHT-MCS And Nss Set: 0x11000000
WMM:
* Parameter version 1
* u-APSD
* BE: CW 15-1023, AIFS 3
* BK: CW 15-1023, AIFS 7
* VI: CW 7-15, AIFS 2, TXOP 3008 usec
* VO: CW 3-7, AIFS 2, TXOP 1504 usec

```

BSS ae:90:2d:26:15:69(on sta02525)

```

last seen: 5917.303s [boottime]
TSF: 1608396860 usec (0d, 00:26:48)
freq: 6295.0
beacon interval: 100 TUs
capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
signal: -42.00 dBm
last seen: 72 ms ago
SSID: DEMO_MLO
Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0
Country: US Environment: bogus
Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)
Channels [33 - 233] @ 0 dBm
Power constraint: 0 dB
TPC report: TX power: 26 dBm
Extended supported rates: 61.5*
RSN:
* Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
Capabilities: 0x73 0xd0 0x00 0x00 0x0c
Link Measurement
Neighbor Report
Beacon Passive Measurement
Beacon Active Measurement
Beacon Table Measurement
LCI Measurement
Transmit Stream/Category Measurement
Triggered Transmit Stream/Category
FTM Range Report
Civic Location Measurement
Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4

```

Extended capabilities:

```

* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* Multiple BSSID
* SSID List
* Operating Mode Notification
* TWT Responder Support
* 80
* 83

```

Transmit Power Envelope:

Transmit Power Envelope:

HE capabilities:

```

HE MAC Capabilities (0x010d1a081040):
+HTC HE Supported
TWT Responder
Dynamic BA Fragmentation Level: 1

```

```

Minimum Payload size of 128 bytes: 1
BSR
OM Control
Maximum A-MPDU Length Exponent: 3
A-MSDU in A-MPDU
OM Control UL MU Data Disable RX
HE PHY Capabilities: (0x0c634088ff5b811c110800):
HE40/HE80/5GHz
HE160/5GHz
Punctured Preamble RX: 3
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 7
Beamformee STS > 80MHz: 7
Sounding Dimensions <= 80MHz: 3
Sounding Dimensions > 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE RX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
HE Operation Parameters: (0x023ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023
6 GHz Operation Information Present
BSS Color: 48
Basic HE-MCS NSS Set: 0xffff
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
6 GHz Operation Information: 0x4503474f01
Primary Channel: 69
Channel Width: 80+80 or 160 MHz
Regulatory Info: 0
Center Frequency Segment 0: 71
Center Frequency Segment 1: 79
Minimum Rate: 1
EHT capabilities:
EHT MAC Capabilities (0x0000):
EHT PHY Capabilities (0xe2ffdb001836801e10):
320MHz in 6GHz Supported
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 7
Beamformee SS (160MHz): 7
Beamformee SS (320MHz): 7
Number Of Sounding Dimensions (80MHz): 3
Number Of Sounding Dimensions (160MHz): 3
Number Of Sounding Dimensions (320MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
Max Nc: 1

```

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Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Support Of EHT DUP In 6 GHz
Non-OFDMA UL MU-MIMO (80MHz)
Non-OFDMA UL MU-MIMO (160MHz)
Non-OFDMA UL MU-MIMO (320MHz)
MU Beamformer (80MHz)
EHT-MCS Map (BW <= 80) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 160) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 320) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT Operation:
EHT Operation Parameters: (0x45)
EHT Default PE Duration
Group Addressed BU Indication Exponent: 0x0
Basic EHT-MCS And Nss Set: 0x11000000
EHT Operation Info: 0x044f3f
Channel Width: 320 MHz
Center Frequency Segment 0: 79
Center Frequency Segment 1: 63
WMM:
* Parameter version 1
* u-APSD
* BE: CW 15-1023, AIFSN 3
* BK: CW 15-1023, AIFSN 7
* VI: CW 7-15, AIFSN 2, TXOP 3008 usec
* VO: CW 3-7, AIFSN 2, TXOP 1504 usec
Multi-Link:
MLD MAC: 8c:90:2d:26:15:69
Link ID: 2
EML Capabilities: 0x0001
EMLSR Support

BSS 92:90:2d:26:15:66(on sta03001) -- associated
last seen: 60311.561s [boottime]
TSF: 56008236725 usec (0d, 15:33:28)
freq: 2437.0
beacon interval: 100 TUs
capability: ESS Privacy ShortPreamble ShortSlotTime RadioMeasure (0x1431)
signal: -26.00 dBm
last seen: 17 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported Rates: 1.0* 2.0* 5.5* 11.0* 6.0 9.0 12.0 18.0
DS Parameter set: channel 6
Country: US Environment: Indoor/Outdoor
Channels [1 - 11] @ 30 dBm
TPC report: TX power: 29 dBm
ERP: <no flags>
Extended supported rates: 24.0 36.0 48.0 54.0
RSN:
* Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
Capabilities: 0x73 0xd0 0x00 0x00 0x0c
Link Measurement
Neighbor Report
Beacon Passive Measurement
Beacon Active Measurement
Beacon Table Measurement
LCI Measurement
Transmit Stream/Category Measurement
Triggered Transmit Stream/Category
FTM Range Report
Civic Location Measurement
Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4
HT capabilities:
Capabilities: 0x19ef
RX LDPC
HT20/HT40
SM Power Save disabled
RX HT20 SGI
RX HT40 SGI
TX STBC
RX STBC 1-stream
Max AMSDU length: 7935 bytes
DSSS/CCK HT40
Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
Minimum RX AMPDU time spacing: No restriction (0x00)
HT TX/RX MCS rate indexes supported: 0-31
HT operation:

```

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* primary channel: 6
* secondary channel offset: below
* STA channel width: any
* RIFS: 0
* HT protection: no
* non-GF present: 0
* OBSS non-GF present: 0
* dual beacon: 0
* dual CTS protection: 0
* STBC beacon: 0
* L-SIG TXOP Prot: 0
* PCO active: 0
* PCO phase: 0
Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* SSID List
* Operating Mode Notification
* TWT Responder Support
* Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
VHT Capabilities (0x338b7992):
    Max MPDU length: 11454
    Supported Channel Width: neither 160 nor 80+80
    RX LDPC
    TX STBC
    SU Beamformer
    SU Beamformee
    MU Beamformer
    RX antenna pattern consistency
    TX antenna pattern consistency
VHT RX MCS set:
    1 streams: MCS 0-9
    2 streams: MCS 0-9
    3 streams: MCS 0-9
    4 streams: MCS 0-9
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
VHT RX highest supported: 0 Mbps
VHT TX MCS set:
    1 streams: MCS 0-9
    2 streams: MCS 0-9
    3 streams: MCS 0-9
    4 streams: MCS 0-9
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
VHT TX highest supported: 0 Mbps
VHT extended NSS: supported
VHT operation:
* channel width: 0 (20 or 40 MHz)
* center freq segment 1: 4
* center freq segment 2: 0
* VHT basic MCS set: 0xffff
HE capabilities:
HE MAC Capabilities (0x010d1a081040):
    +HTC HE Supported
    TWT Responder
    Dynamic BA Fragmentation Level: 1
    Minimum Payload size of 128 bytes: 1
    BSR
    OM Control
    Maximum A-MPDU Length Exponent: 3
    A-MSDU in A-MPDU
    OM Control UL MU Data Disable RX
HE PHY Capabilities: (0x026040880f43811c110800):
    HE40/2.4GHz
    LDPC Coding in Payload
    HE SU PPDU with 1x HE-LTF and 0.8us GI
    Full Bandwidth UL MU-MIMO
    DCM Max Constellation Rx: 1
    SU Beamformer
    SU Beamformee
    MU Beamformer
    Beamformee STS <= 80MHz: 3
    Sounding Dimensions <= 80MHz: 3
    Ng = 16 SU Feedback
    Codebook Size SU Feedback
    PPE Threshold Present
    HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
    Max NC: 3
    HE ER SU PPDU 4x HE-LTF 0.8us GI
    HE ER SU PPDU 1x HE-LTF 0.8us GI
    RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11

```

```

        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
PPE Threshold 0x1b 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
  HE Operation Parameters: (0x003ff4)
    Default PE Duration: 4
    TXOP Duration RTS Threshold: 1023
  BSS Color: 4
  Basic HE-MCS NSS Set: 0xffff
    1 streams: MCS 0-7
    2 streams: not supported
    3 streams: not supported
    4 streams: not supported
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
Multi-Link:
  MLD MAC: 8c:90:2d:26:15:69
  Link ID: 0
    EML Capabilities: 0x0001
    EMLSR Support
EHT capabilities:
  EHT MAC Capabilities (0x8000):
    Maximum MPDU Length: 2
  EHT PHY Capabilities (0xe00103001836001210):
    SU Beamformer
    SU Beamformee
    Beamformee SS (80MHz): 3
    Number Of Sounding Dimensions (80MHz): 3
    EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
    Max Nc: 1
    Tx 1024-QAM And 4096-QAM < 242-tone RU
    Rx 1024-QAM And 4096-QAM < 242-tone RU
    Common Nominal Packet Padding: 3
    Non-OFDMA UL MU-MIMO (80MHz)
    MU Beamformer (80MHz)
  EHT-MCS Map (BW <= 80) (0x444444):
    Rx Max NSS for MCS 0-9: 4
    Tx Max NSS for MCS 0-9: 4
    Rx Max NSS for MCS 10-11: 4
    Tx Max NSS for MCS 10-11: 4
    Rx Max NSS for MCS 12-13: 4
    Tx Max NSS for MCS 12-13: 4
EHT Operation:
  EHT Operation Parameters: (0x44)
    EHT Default PE Duration
    Group Addressed BU Indication Exponent: 0x0
  Basic EHT-MCS And Nss Set: 0x11000000
WMM:
  * Parameter version 1
  * u-APSD
  * BE: CW 15-1023, AIFS 3
  * BK: CW 15-1023, AIFS 7
  * VI: CW 7-15, AIFS 2, TXOP 3008 usec
  * VO: CW 3-7, AIFS 2, TXOP 1504 usec

BSS 96:90:2d:26:15:67(on sta03001)
last seen: 60311.549s [boottime]
TSF: 1641014538 usec (0d, 00:27:21)
freq: 5180.0
beacon interval: 100 TUs
capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
signal: -31.00 dBm
last seen: 29 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
Country: US Environment: Indoor/Outdoor
  Channels [36 - 48] @ 30 dBm
  Channels [52 - 64] @ 24 dBm
  Channels [100 - 144] @ 24 dBm
  Channels [149 - 165] @ 30 dBm
Power constraint: 0 dB
TPC report: TX power: 28 dBm
RSN:
  * Version: 1
  * Group cipher: CCMP
  * Pairwise ciphers: CCMP
  * Authentication suites: SAE
  * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
  Capabilities: 0x73 0xd0 0x00 0x00 0x0c
    Link Measurement
    Neighbor Report
    Beacon Passive Measurement
    Beacon Active Measurement
    Beacon Table Measurement
    LCI Measurement
    Transmit Stream/Category Measurement
    Triggered Transmit Stream/Category
    FTM Range Report
    Civic Location Measurement
    Nonoperating Channel Max Measurement Duration: 0
    Measurement Pilot Capability: 4
HT capabilities:
  Capabilities: 0x9ef
    RX LDPC
    HT20/HT40

```

```

        SM Power Save disabled
        RX HT20 SGI
        RX HT40 SGI
        TX STBC
        RX STBC 1-stream
        Max AMSDU length: 7935 bytes
        No DSSS/CKK HT40
        Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
        Minimum RX AMPDU time spacing: No restriction (0x00)
        HT TX/RX MCS rate indexes supported: 0-31
HT operation:
    * primary channel: 36
    * secondary channel offset: above
    * STA channel width: any
    * RIFS: 0
    * HT protection: no
    * non-GF present: 0
    * OBSS non-GF present: 0
    * dual beacon: 0
    * dual CTS protection: 0
    * STBC beacon: 0
    * L-SIG TXOP Prot: 0
    * PCO active: 0
    * PCO phase: 0
Extended capabilities:
    * Extended Channel Switching
    * TFS
    * WNM-Sleep Mode
    * TIM Broadcast
    * BSS Transition
    * SSID List
    * Operating Mode Notification
    * TWT Responder Support
    * Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
    VHT Capabilities (0x338bf9f6):
        Max MPDU length: 11454
        Supported Channel Width: 160 MHz
        RX LDPC
        short GI (80 MHz)
        short GI (160/80+80 MHz)
        TX STBC
        SU Beamformer
        SU Beamformee
        MU Beamformer
        RX antenna pattern consistency
        TX antenna pattern consistency
    VHT RX MCS set:
        1 streams: MCS 0-9
        2 streams: MCS 0-9
        3 streams: MCS 0-9
        4 streams: MCS 0-9
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    VHT RX highest supported: 0 Mbps
    VHT TX MCS set:
        1 streams: MCS 0-9
        2 streams: MCS 0-9
        3 streams: MCS 0-9
        4 streams: MCS 0-9
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    VHT TX highest supported: 0 Mbps
    VHT extended NSS: supported
VHT operation:
    * channel width: 1 (80 MHz)
    * center freq segment 1: 42
    * center freq segment 2: 50
    * VHT basic MCS set: 0xffff
Transmit Power Envelope:
    * Local Maximum Transmit Power For 20 MHz: 30 dBm
    * Local Maximum Transmit Power For 40 MHz: 30 dBm
    * Local Maximum Transmit Power For 80 MHz: 30 dBm
    * Local Maximum Transmit Power For 160/80+80 MHz: 30 dBm
HE capabilities:
    HE MAC Capabilities (0x010d1a081040):
        +HTC HE Supported
        TWT Responder
        Dynamic BA Fragmentation Level: 1
        Minimum Payload size of 128 bytes: 1
        BSR
        OM Control
        Maximum A-MPDU Length Exponent: 3
        A-MSDU in A-MPDU
        OM Control UL MU Data Disable RX
    HE PHY Capabilities: (0x0c634088ff5b811c110800):
        HE40/HE80/5GHz
        HE160/5GHz
        Punctured Preamble RX: 3
        LDPC Coding in Payload
        HE SU PPDU with 1x HE-LTF and 0.8us GI
        Full Bandwidth UL MU-MIMO
        DCM Max Constellation Rx: 1
        SU Beamformer
        SU Beamformee
        MU Beamformer
        Beamformee STS <= 80MHz: 7
        Beamformee STS > 80MHz: 7

```

```

Sounding Dimensions <= 80MHz: 3
Sounding Dimensions > 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE RX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
HE Operation Parameters: (0x003ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023
BSS Color: 1
Basic HE-MCS NSS Set: 0xffff
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
Multi-Link:
MLD MAC: 8c:90:2d:26:15:69
Link ID: 1
EML Capabilities: 0x0001
EMLSR Support
EHT capabilities:
EHT MAC Capabilities (0x0000):
EHT PHY Capabilities (0xe01f1b001836803610):
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 7
Beamformee SS (160MHz): 7
Number Of Sounding Dimensions (80MHz): 3
Number Of Sounding Dimensions (160MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Support Of EHT DUP In 6 GHz
Non-OFDMA UL MU-MIMO (80MHz)
Non-OFDMA UL MU-MIMO (160MHz)
MU Beamformer (80MHz)
MU Beamformee (160MHz)
EHT-MCS Map (BW <= 80) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 160) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT Operation:
EHT Operation Parameters: (0x44)
EHT Default PE Duration

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        Group Addressed BU Indication Exponent: 0x0
Basic EHT-MCS And Nss Set: 0x1000000
WMM:
    * Parameter version 1
    * u-APSD
    * BE: CW 15-1023, AIFS 3
    * BK: CW 15-1023, AIFS 7
    * VI: CW 7-15, AIFS 2, TXOP 3008 usec
    * VO: CW 3-7, AIFS 2, TXOP 1504 usec

BSS ae:90:2d:26:15:69(on sta03001)
last seen: 60311.522s [boottime]
TSF: 56002056387 usec (0d, 15:33:22)
freq: 6295.0
beacon interval: 100 TUs
capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
signal: -42.00 dBm
last seen: 56 ms ago
SSID: DEMO_MLO
Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0
Country: US Environment: bogus
    Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)
    Channels [33 - 233] @ 0 dBm
Power constraint: 0 dB
TPC report: TX power: 26 dBm
Extended supported rates: 61.5*
RSN:
    * Version: 1
    * Group cipher: CCMP
    * Pairwise ciphers: CCMP
    * Authentication suites: SAE
    * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
    Capabilities: 0x73 0xd0 0x00 0x00 0x00 0x0c
        Link Measurement
        Neighbor Report
        Beacon Passive Measurement
        Beacon Active Measurement
        Beacon Table Measurement
        LCI Measurement
        Transmit Stream/Category Measurement
        Triggered Transmit Stream/Category
        FTM Range Report
        Civic Location Measurement
    Nonoperating Channel Max Measurement Duration: 0
    Measurement Pilot Capability: 4
Extended capabilities:
    * Extended Channel Switching
    * TFS
    * WNM-Sleep Mode
    * TIM Broadcast
    * BSS Transition
    * Multiple BSSID
    * SSID List
    * Operating Mode Notification
    * TWT Responder Support
    * 80
    * 83
Transmit Power Envelope:
Transmit Power Envelope:
HE capabilities:
    HE MAC Capabilities (0x010d1a081040):
        +HTC HE Supported
        TWT Responder
        Dynamic BA Fragmentation Level: 1
        Minimum Payload size of 128 bytes: 1
        BSR
        OM Control
        Maximum A-MPDU Length Exponent: 3
        A-MSDU in A-MPDU
        OM Control UL MU Data Disable RX
    HE PHY Capabilities: (0xc634088ff5b811c110800):
        HE40/HE80/5GHz
        HE160/5GHz
        Punctured Preamble RX: 3
        LDPC Coding in Payload
        HE SU PPDU with 1x HE-LTF and 0.8us GI
        Full Bandwidth UL MU-MIMO
        DCM Max Constellation Rx: 1
        SU Beamformer
        SU Beamformee
        MU Beamformer
        Beamformee STS <= 80MHz: 7
        Beamformee STS > 80MHz: 7
        Sounding Dimensions <= 80MHz: 3
        Sounding Dimensions > 80MHz: 3
        Ng = 16 SU Feedback
        Codebook Size SU Feedback
        PPE Threshold Present
        HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
        Max NC: 3
        HE ER SU PPDU 4x HE-LTF 0.8us GI
        HE ER SU PPDU 1x HE-LTF 0.8us GI
        RX 1024-QAM
    HE RX MCS and NSS set <= 80 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11
        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported

```



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    8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
HE RX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
HE TX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
    HE Operation Parameters: (0x020394)
        Default PE Duration: 4
        TXOP Duration RTS Threshold: 57
        6 GHz Operation Information Present
    BSS Color: 48
    Basic HE-MCS NSS Set: 0xffffc
        1 streams: MCS 0-7
        2 streams: not supported
        3 streams: not supported
        4 streams: not supported
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    6 GHz Operation Information: 0x4503474f01
        Primary Channel: 69
        Channel Width: 80+80 or 160 MHz
        Regulatory Info: 0
        Center Frequency Segment 0: 71
        Center Frequency Segment 1: 79
        Minimum Rate: 1
EHT capabilities:
    EHT MAC Capabilities (0x0000):
    EHT PHY Capabilities (0xe2ffdb001836801e10):
        320MHz in 6GHz Supported
        SU Beamformer
        SU Beamformee
        Beamformee SS (80MHz): 7
        Beamformee SS (160MHz): 7
        Beamformee SS (320MHz): 7
        Number Of Sounding Dimensions (80MHz): 3
        Number Of Sounding Dimensions (160MHz): 3
        Number Of Sounding Dimensions (320MHz): 3
        EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
        Max Nc: 1
        Tx 1024-QAM And 4096-QAM < 242-tone RU
        Rx 1024-QAM And 4096-QAM < 242-tone RU
        Common Nominal Packet Padding: 3
        Support Of EHT DUP In 6 GHz
        Non-OFDMA UL MU-MIMO (80MHz)
        Non-OFDMA UL MU-MIMO (160MHz)
        Non-OFDMA UL MU-MIMO (320MHz)
        MU Beamformer (80MHz)
    EHT-MCS Map (BW <= 80) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT-MCS Map (BW = 160) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT-MCS Map (BW = 320) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
EHT Operation:
    EHT Operation Parameters: (0x45)
        EHT Default PE Duration
        Group Addressed BU Indication Exponent: 0x0
    Basic EHT-MCS And Nss Set: 0x11000000
    EHT Operation Info: 0x044f3f
        Channel Width: 320 MHz
        Center Frequency Segment 0: 79

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        Center Frequency Segment 1: 63
WMM:    * Parameter version 1
        * u-APSD
        * BE: CW 15-1023, AIFS 3
        * BK: CW 15-1023, AIFS 7
        * VI: CW 7-15, AIFS 2, TXOP 3008 usec
        * VO: CW 3-7, AIFS 2, TXOP 1504 usec
Multi-Link:
        MLD MAC: 8c:90:2d:26:15:69
        Link ID: 2
        EML Capabilities: 0x0001
        EMLSR Support

BSS 92:90:2d:26:15:66(on sta03531)
last seen: 5946.676s [boottime]
TSF: 1633390628 usec (0d, 00:27:13)
freq: 2437.0
beacon interval: 100 TUs
capability: ESS Privacy ShortPreamble ShortSlotTime RadioMeasure (0x1431)
signal: -26.00 dBm
last seen: 23 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 1.0* 2.0* 5.5* 11.0* 6.0 9.0 12.0 18.0
DS Parameter set: channel 6
Country: US      Environment: Indoor/Outdoor
        Channels [1 - 11] @ 30 dBm
TPC report: TX power: 29 dBm
ERP: <no flags>
Extended supported rates: 24.0 36.0 48.0 54.0
RSN:    * Version: 1
        * Group cipher: CCMP
        * Pairwise ciphers: CCMP
        * Authentication suites: SAE
        * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
        Capabilities: 0x73 0xd0 0x00 0x00 0x00 0x0c
                Link Measurement
                Neighbor Report
                Beacon Passive Measurement
                Beacon Active Measurement
                Beacon Table Measurement
                LCI Measurement
                Transmit Stream/Category Measurement
                Triggered Transmit Stream/Category
                FTM Range Report
                Civic Location Measurement
        Nonoperating Channel Max Measurement Duration: 0
        Measurement Pilot Capability: 4
HT capabilities:
        Capabilities: 0x19ef
                RX LDPC
                HT20/HT40
                SM Power Save disabled
                RX HT20 SGI
                RX HT40 SGI
                TX STBC
                RX STBC 1-stream
                Max AMSDU length: 7935 bytes
                DSSS/CCK HT40
        Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
        Minimum RX AMPDU time spacing: No restriction (0x00)
        HT TX/RX MCS rate indexes supported: 0-31
HT operation:
        * primary channel: 6
        * secondary channel offset: below
        * STA channel width: any
        * RIFS: 0
        * HT protection: no
        * non-GF present: 0
        * OBSS non-GF present: 0
        * dual beacon: 0
        * dual CTS protection: 0
        * STBC beacon: 0
        * L-SIG TXOP Prot: 0
        * PCO active: 0
        * PCO phase: 0
Extended capabilities:
        * Extended Channel Switching
        * TFS
        * WMM-Sleep Mode
        * TIM Broadcast
        * BSS Transition
        * SSID List
        * Operating Mode Notification
        * TWT Responder Support
        * Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
        VHT Capabilities (0x338b7992):
                Max MPDU length: 11454
                Supported Channel Width: neither 160 nor 80+80
                RX LDPC
                TX STBC
                SU Beamformer
                SU Beamformee
                MU Beamformer
                RX antenna pattern consistency
                TX antenna pattern consistency
        VHT RX MCS set:
                1 streams: MCS 0-9
                2 streams: MCS 0-9

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3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
VHT RX highest supported: 0 Mbps
VHT TX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
VHT TX highest supported: 0 Mbps
VHT extended NSS: supported
VHT operation:
* channel width: 0 (20 or 40 MHz)
* center freq segment 1: 4
* center freq segment 2: 0
* VHT basic MCS set: 0xffffc
HE capabilities:
HE MAC Capabilities (0x010d1a081040):
+HTC HE Supported
TWT Responder
Dynamic BA Fragmentation Level: 1
Minimum Payload size of 128 bytes: 1
BSR
OM Control
Maximum A-MPDU Length Exponent: 3
A-MSDU in A-MPDU
OM Control UL MU Data Disable RX
HE PHY Capabilities: (0x026040880f43811c110800):
HE40/2.4GHz
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 3
Sounding Dimensions <= 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x1b 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
HE Operation Parameters: (0x003ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023
BSS Color: 4
Basic HE-MCS NSS Set: 0xffffc
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
Multi-Link:
MLD MAC: 8c:90:2d:26:15:69
Link ID: 0
EML Capabilities: 0x0001
EMLSR Support
EHT capabilities:
EHT MAC Capabilities (0x8000):
Maximum MPDU Length: 2
EHT PHY Capabilities (0xe00103001836001210):
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 3
Number Of Sounding Dimensions (80MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU

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        Rx 1024-QAM And 4096-QAM < 242-tone RU
        Common Nominal Packet Padding: 3
        Non-OFDMA UL MU-MIMO (80MHz)
        MU Beamformer (80MHz)
EHT-MCS Map (BW <= 80) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
EHT Operation:
    EHT Operation Parameters: (0x44)
        EHT Default PE Duration
        Group Addressed BU Indication Exponent: 0x0
    Basic EHT-MCS And Nss Set: 0x11000000
WMM:
    * Parameter version 1
    * u-APSD
    * BE: CW 15-1023, AIFSN 3
    * BK: CW 15-1023, AIFSN 7
    * VI: CW 7-15, AIFSN 2, TXOP 3008 usec
    * VO: CW 3-7, AIFSN 2, TXOP 1504 usec

BSS 96:90:2d:26:15:67(on sta03531)
    last seen: 5946.574s [boottime]
    TSF: 1641014538 usec (0d, 00:27:21)
    freq: 5180.0
    beacon interval: 100 TUs
    capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
    signal: -28.00 dBm
    last seen: 107 ms ago
    Information elements from Probe Response frame:
    SSID: DEMO_MLO
    Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
    Country: US      Environment: Indoor/Outdoor
        Channels [36 - 48] @ 30 dBm
        Channels [52 - 64] @ 24 dBm
        Channels [100 - 144] @ 24 dBm
        Channels [149 - 165] @ 30 dBm
    Power constraint: 0 dB
    TPC report: TX power: 28 dBm
    RSN:
        * Version: 1
        * Group cipher: CCMP
        * Pairwise ciphers: CCMP
        * Authentication suites: SAE
        * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
    RM enabled capabilities:
        Capabilities: 0x73 0xd0 0x00 0x00 0x0c
            Link Measurement
            Neighbor Report
            Beacon Passive Measurement
            Beacon Active Measurement
            Beacon Table Measurement
            LCI Measurement
            Transmit Stream/Category Measurement
            Triggered Transmit Stream/Category
            FTM Range Report
            Civic Location Measurement
            Nonoperating Channel Max Measurement Duration: 0
            Measurement Pilot Capability: 4
    HT capabilities:
        Capabilities: 0x9ef
            RX LDPC
            HT20/HT40
            SM Power Save disabled
            RX HT20 SGI
            RX HT40 SGI
            TX STBC
            RX STBC 1-stream
            Max AMSDU length: 7935 bytes
            No DSSS/CKK HT40
            Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
            Minimum RX AMPDU time spacing: No restriction (0x00)
            HT TX/RX MCS rate indexes supported: 0-31
    HT operation:
        * primary channel: 36
        * secondary channel offset: above
        * STA channel width: any
        * RIFS: 0
        * HT protection: no
        * non-GF present: 0
        * OBSS non-GF present: 0
        * dual beacon: 0
        * dual CTS protection: 0
        * STBC beacon: 0
        * L-SIG TXOP Prot: 0
        * PCO active: 0
        * PCO phase: 0
    Extended capabilities:
        * Extended Channel Switching
        * TFS
        * WNM-Sleep Mode
        * TIM Broadcast
        * BSS Transition
        * SSID List
        * Operating Mode Notification
        * TWT Responder Support
        * Max Number Of MSDUs In A-MSDU is unlimited
    VHT capabilities:
        VHT Capabilities (0x338bf9f6):
            Max MPDU length: 11454

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Supported Channel Width: 160 MHz
RX LDPC
short GI (80 MHz)
short GI (160/80+80 MHz)
TX STBC
SU Beamformer
SU Beamformee
MU Beamformer
RX antenna pattern consistency
TX antenna pattern consistency
VHT RX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
VHT RX highest supported: 0 Mbps
VHT TX MCS set:
1 streams: MCS 0-9
2 streams: MCS 0-9
3 streams: MCS 0-9
4 streams: MCS 0-9
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
VHT TX highest supported: 0 Mbps
VHT extended NSS: supported
VHT operation:
* channel width: 1 (80 MHz)
* center freq segment 1: 42
* center freq segment 2: 50
* VHT basic MCS set: 0xffffc
Transmit Power Envelope:
* Local Maximum Transmit Power For 20 MHz: 30 dBm
* Local Maximum Transmit Power For 40 MHz: 30 dBm
* Local Maximum Transmit Power For 80 MHz: 30 dBm
* Local Maximum Transmit Power For 160/80+80 MHz: 30 dBm
HE capabilities:
HE MAC Capabilities (0x010d1a081040):
+HTC HE Supported
TWT Responder
Dynamic BA Fragmentation Level: 1
Minimum Payload size of 128 bytes: 1
BSR
OM Control
Maximum A-MPDU Length Exponent: 3
A-MSDU in A-MPDU
OM Control UL MU Data Disable RX
HE PHY Capabilities: (0x0c634088ff5b811c110800):
HE40/HE80/5GHz
HE160/5GHz
Punctured Preamble RX: 3
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 7
Beamformee STS > 80MHz: 7
Sounding Dimensions <= 80MHz: 3
Sounding Dimensions > 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE RX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

```

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HE TX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
    HE Operation Parameters: (0x003ff4)
        Default PE Duration: 4
        TXOP Duration RTS Threshold: 1023
    BSS Color: 1
    Basic HE-MCS NSS Set: 0xffff
        1 streams: MCS 0-7
        2 streams: not supported
        3 streams: not supported
        4 streams: not supported
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
Multi-Link:
    MLD MAC: 8c:90:2d:26:15:69
    Link ID: 1
        EML Capabilities: 0x0001
            EMLSR Support
EHT capabilities:
    EHT MAC Capabilities (0x0000):
    EHT PHY Capabilities (0xe01f1b001836803610):
        SU Beamformer
        SU Beamformee
        Beamformee SS (80MHz): 7
        Beamformee SS (160MHz): 7
        Number Of Sounding Dimensions (80MHz): 3
        Number Of Sounding Dimensions (160MHz): 3
        EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
        Max Nc: 1
        Tx 1024-QAM And 4096-QAM < 242-tone RU
        Rx 1024-QAM And 4096-QAM < 242-tone RU
        Common Nominal Packet Padding: 3
        Support Of EHT DUP In 6 GHz
        Non-OFDMA UL MU-MIMO (80MHz)
        Non-OFDMA UL MU-MIMO (160MHz)
        MU Beamformer (80MHz)
        MU Beamformer (160MHz)
    EHT-MCS Map (BW <= 80) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
    EHT-MCS Map (BW = 160) (0x444444):
        Rx Max NSS for MCS 0-9: 4
        Tx Max NSS for MCS 0-9: 4
        Rx Max NSS for MCS 10-11: 4
        Tx Max NSS for MCS 10-11: 4
        Rx Max NSS for MCS 12-13: 4
        Tx Max NSS for MCS 12-13: 4
EHT Operation:
    EHT Operation Parameters: (0x44)
        EHT Default PE Duration
        Group Addressed BU Indication Exponent: 0x0
    Basic EHT-MCS And Nss Set: 0x11000000
WMM:
    * Parameter version 1
    * u-APSD
    * BE: CW 15-1023, AIFSN 3
    * BK: CW 15-1023, AIFSN 7
    * VI: CW 7-15, AIFSN 2, TXOP 3008 usec
    * VO: CW 3-7, AIFSN 2, TXOP 1504 usec

BSS ae:90:2d:26:15:69(on sta03531)
    last seen: 5946.693s [boottime]
    TSF: 1637785660 usec (0d, 00:27:17)
    freq: 6295.0
    beacon interval: 100 TUs
    capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
    signal: -39.00 dBm
    last seen: 6 ms ago
    SSID: DEMO_MLO
    Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
    TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0
    Country: US Environment: bogus
        Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)
        Channels [33 - 233] @ 0 dBm
    Power constraint: 0 dB
    TPC report: TX power: 26 dBm
    Extended supported rates: 61.5*
    RSN:
        * Version: 1
        * Group cipher: CCMP
        * Pairwise ciphers: CCMP
        * Authentication suites: SAE
        * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
    RM enabled capabilities:
        Capabilities: 0x73 0xd0 0x00 0x00 0x0c
            Link Measurement
            Neighbor Report
            Beacon Passive Measurement

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        Beacon Active Measurement
        Beacon Table Measurement
        LCI Measurement
        Transmit Stream/Category Measurement
        Triggered Transmit Stream/Category
        FTM Range Report
        Civic Location Measurement
        Nonoperating Channel Max Measurement Duration: 0
        Measurement Pilot Capability: 4
Extended capabilities:
    * Extended Channel Switching
    * TFS
    * WMM-Sleep Mode
    * TIM Broadcast
    * BSS Transition
    * Multiple BSSID
    * SSID List
    * Operating Mode Notification
    * TWT Responder Support
    * 80
    * 83
Transmit Power Envelope:
Transmit Power Envelope:
HE capabilities:
    HE MAC Capabilities (0x010d1a081040):
        +HTC HE Supported
        TWT Responder
        Dynamic BA Fragmentation Level: 1
        Minimum Payload size of 128 bytes: 1
        BSR
        OM Control
        Maximum A-MPDU Length Exponent: 3
        A-MSDU in A-MPDU
        OM Control UL MU Data Disable RX
    HE PHY Capabilities: (0x0c634088ff5b811c110800):
        HE40/HE80/5GHz
        HE160/5GHz
        Punctured Preamble RX: 3
        LDPC Coding in Payload
        HE SU PPDU with 1x HE-LTF and 0.8us GI
        Full Bandwidth UL MU-MIMO
        DCM Max Constellation Rx: 1
        SU Beamformer
        SU Beamformee
        MU Beamformer
        Beamformee STS <= 80MHz: 7
        Beamformee STS > 80MHz: 7
        Sounding Dimensions <= 80MHz: 3
        Sounding Dimensions > 80MHz: 3
        Ng = 16 SU Feedback
        Codebook Size SU Feedback
        PPE Threshold Present
        HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
        Max NC: 3
        HE ER SU PPDU 4x HE-LTF 0.8us GI
        HE ER SU PPDU 1x HE-LTF 0.8us GI
        RX 1024-QAM
    HE RX MCS and NSS set <= 80 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11
        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    HE TX MCS and NSS set <= 80 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11
        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    HE RX MCS and NSS set 160 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11
        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    HE TX MCS and NSS set 160 MHz
        1 streams: MCS 0-11
        2 streams: MCS 0-11
        3 streams: MCS 0-11
        4 streams: MCS 0-11
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
        PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
    HE Operation Parameters: (0x023ff4)
        Default PE Duration: 4
        TXOP Duration RTS Threshold: 1023
        6 GHz Operation Information Present
    BSS Color: 48
    Basic HE-MCS NSS Set: 0xffffc
        1 streams: MCS 0-7

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2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
6 GHz Operation Information: 0x4503474f01
Primary Channel: 69
Channel Width: 80+80 or 160 MHz
Regulatory Info: 0
Center Frequency Segment 0: 71
Center Frequency Segment 1: 79
Minimum Rate: 1
EHT capabilities:
EHT MAC Capabilities (0x0000):
EHT PHY Capabilities (0xe2ffdb001836801e10):
320MHz in 6GHz Supported
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 7
Beamformee SS (160MHz): 7
Beamformee SS (320MHz): 7
Number Of Sounding Dimensions (80MHz): 3
Number Of Sounding Dimensions (160MHz): 3
Number Of Sounding Dimensions (320MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Support Of EHT DUP In 6 GHz
Non-OFDMA UL MU-MIMO (80MHz)
Non-OFDMA UL MU-MIMO (160MHz)
Non-OFDMA UL MU-MIMO (320MHz)
MU Beamformer (80MHz)
EHT-MCS Map (BW <= 80) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 160) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 320) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT Operation:
EHT Operation Parameters: (0x45)
EHT Default PE Duration
Group Addressed BU Indication Exponent: 0x0
Basic EHT-MCS And Nss Set: 0x11000000
EHT Operation Info: 0x044f3f
Channel Width: 320 MHz
Center Frequency Segment 0: 79
Center Frequency Segment 1: 63
WMM:
* Parameter version 1
* u-APSD
* BE: CW 15-1023, AIFS 3
* BK: CW 15-1023, AIFS 7
* VI: CW 7-15, AIFS 2, TXOP 3008 usec
* VO: CW 3-7, AIFS 2, TXOP 1504 usec
Multi-Link:
MLD MAC: 8c:90:2d:26:15:69
Link ID: 2
EML Capabilities: 0x0001
EMLSR Support

BSS 92:90:2d:26:15:66(on sta04012)
last seen: 5941.966s [boottime]
TSF: 1633390628 usec (0d, 00:27:13)
freq: 2437.0
beacon interval: 100 TUs
capability: ESS Privacy ShortPreamble ShortSlotTime RadioMeasure (0x1431)
signal: -26.00 dBm
last seen: 99 ms ago
Information elements from Probe Response frame:
SSID: DEMO_MLO
Supported rates: 1.0* 2.0* 5.5* 11.0* 6.0 9.0 12.0 18.0
DS Parameter set: channel 6
Country: US Environment: Indoor/Outdoor
Channels [1 - 11] @ 30 dBm
TPC report: TX power: 29 dBm
ERP: <no flags>
Extended supported rates: 24.0 36.0 48.0 54.0
RSN:
* Version: 1
* Group cipher: CCMP
* Pairwise ciphers: CCMP
* Authentication suites: SAE
* Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:

```


Capabilities: 0x73 0xd0 0x00 0x00 0x0c
 Link Measurement
 Neighbor Report
 Beacon Passive Measurement
 Beacon Active Measurement
 Beacon Table Measurement
 LCI Measurement
 Transmit Stream/Category Measurement
 Triggered Transmit Stream/Category
 FTM Range Report
 Civic Location Measurement
 Nonoperating Channel Max Measurement Duration: 0
 Measurement Pilot Capability: 4

HT capabilities:
 Capabilities: 0x19ef
 RX LDPC
 HT20/HT40
 SM Power Save disabled
 RX HT20 SGI
 RX HT40 SGI
 TX STBC
 RX STBC 1-stream
 Max AMSDU length: 7935 bytes
 DSSS/CCK HT40
 Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
 Minimum RX AMPDU time spacing: No restriction (0x00)
 HT TX/RX MCS rate indexes supported: 0-31

HT operation:
 * primary channel: 6
 * secondary channel offset: below
 * STA channel width: any
 * RIFS: 0
 * HT protection: no
 * non-GF present: 0
 * OBSS non-GF present: 0
 * dual beacon: 0
 * dual CTS protection: 0
 * STBC beacon: 0
 * L-SIG TXOP Prot: 0
 * PCO active: 0
 * PCO phase: 0

Extended capabilities:
 * Extended Channel Switching
 * TFS
 * WNM-Sleep Mode
 * TIM Broadcast
 * BSS Transition
 * SSID List
 * Operating Mode Notification
 * TWT Responder Support
 * Max Number Of MSDUs In A-MSDU is unlimited

VHT capabilities:
 VHT Capabilities (0x338b7992):
 Max MPDU length: 11454
 Supported Channel Width: neither 160 nor 80+80
 RX LDPC
 TX STBC
 SU Beamformer
 SU Beamformee
 MU Beamformer
 RX antenna pattern consistency
 TX antenna pattern consistency

VHT RX MCS set:
 1 streams: MCS 0-9
 2 streams: MCS 0-9
 3 streams: MCS 0-9
 4 streams: MCS 0-9
 5 streams: not supported
 6 streams: not supported
 7 streams: not supported
 8 streams: not supported

VHT RX highest supported: 0 Mbps

VHT TX MCS set:
 1 streams: MCS 0-9
 2 streams: MCS 0-9
 3 streams: MCS 0-9
 4 streams: MCS 0-9
 5 streams: not supported
 6 streams: not supported
 7 streams: not supported
 8 streams: not supported

VHT TX highest supported: 0 Mbps
 VHT extended NSS: supported

VHT operation:
 * channel width: 0 (20 or 40 MHz)
 * center freq segment 1: 4
 * center freq segment 2: 0
 * VHT basic MCS set: 0xffffc

HE capabilities:
 HE MAC Capabilities (0x010d1a081040):
 +HTC HE Supported
 TWT Responder
 Dynamic BA Fragmentation Level: 1
 Minimum Payload size of 128 bytes: 1
 BSR
 OM Control
 Maximum A-MPDU Length Exponent: 3
 A-MSDU in A-MPDU
 OM Control UL MU Data Disable RX

HE PHY Capabilities: (0x026040880f43811c110800):
 HE40/2.4GHz
 LDPC Coding in Payload

HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 3
Sounding Dimensions <= 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM

HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

PPE Threshold 0x1b 0x1c 0xc7 0x71 0x1c 0xc7 0x71

HE Operation:

HE Operation Parameters: (0x003ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023

BSS Color: 4

Basic HE-MCS NSS Set: 0xffff
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported

Multi-Link:

MLD MAC: 8c:90:2d:26:15:69

Link ID: 0

EML Capabilities: 0x0001

EMLSR Support

EHT capabilities:

EHT MAC Capabilities (0x8000):

Maximum MPDU Length: 2

EHT PHY Capabilities (0xe00103001836001210):

SU Beamformer

SU Beamformee

Beamformee SS (80MHz): 3

Number Of Sounding Dimensions (80MHz): 3

EHT MU PPDU With 4 EHT-LTF And 0.8 μ s GI

Max Nc: 1

Tx 1024-QAM And 4096-QAM < 242-tone RU

Rx 1024-QAM And 4096-QAM < 242-tone RU

Common Nominal Packet Padding: 3

Non-OFDMA UL MU-MIMO (80MHz)

MU Beamformer (80MHz)

EHT-MCS Map (BW <= 80) (0x444444):

Rx Max NSS for MCS 0-9: 4

Tx Max NSS for MCS 0-9: 4

Rx Max NSS for MCS 10-11: 4

Tx Max NSS for MCS 10-11: 4

Rx Max NSS for MCS 12-13: 4

Tx Max NSS for MCS 12-13: 4

EHT Operation:

EHT Operation Parameters: (0x44)

EHT Default PE Duration

Group Addressed BU Indication Exponent: 0x0

Basic EHT-MCS And Nss Set: 0x11000000

WMM:

* Parameter version 1

* u-APSD

* BE: CW 15-1023, AIFS 3

* BK: CW 15-1023, AIFS 7

* VI: CW 7-15, AIFS 2, TXOP 3008 usec

* VO: CW 3-7, AIFS 2, TXOP 1504 usec

BSS 96:90:2d:26:15:67(on sta04012)

last seen: 5941.966s [boottime]

TSF: 1625338256 usec (0d, 00:27:05)

freq: 5180.0

beacon interval: 100 TUs

capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)

signal: -28.00 dBm

last seen: 99 ms ago

Information elements from Probe Response frame:

SSID: DEMO_MLO

Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0

Country: US Environment: Indoor/Outdoor

Channels [36 - 48] @ 30 dBm

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Channels [52 - 64] @ 24 dBm
Channels [100 - 144] @ 24 dBm
Channels [149 - 165] @ 30 dBm
Power constraint: 0 dB
TPC report: TX power: 28 dBm
RSN:
    * Version: 1
    * Group cipher: CCMP
    * Pairwise ciphers: CCMP
    * Authentication suites: SAE
    * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
    Capabilities: 0x73 0xd0 0x00 0x00 0x00 0x0c
        Link Measurement
        Neighbor Report
        Beacon Passive Measurement
        Beacon Active Measurement
        Beacon Table Measurement
        LCI Measurement
        Transmit Stream/Category Measurement
        Triggered Transmit Stream/Category
        FTM Range Report
        Civic Location Measurement
        Nonoperating Channel Max Measurement Duration: 0
        Measurement Pilot Capability: 4
HT capabilities:
    Capabilities: 0x9ef
        RX LDPC
        HT20/HT40
        SM Power Save disabled
        RX HT20 SGI
        RX HT40 SGI
        TX STBC
        RX STBC 1-stream
        Max AMSDU length: 7935 bytes
        No DSSS/CKK HT40
        Maximum RX AMPDU length 65535 bytes (exponent: 0x003)
        Minimum RX AMPDU time spacing: No restriction (0x00)
        HT TX/RX MCS rate indexes supported: 0-31
HT operation:
    * primary channel: 36
    * secondary channel offset: above
    * STA channel width: any
    * RIFS: 0
    * HT protection: no
    * non-GF present: 0
    * OBSS non-GF present: 0
    * dual beacon: 0
    * dual CTS protection: 0
    * STBC beacon: 0
    * L-SIG TXOP Prot: 0
    * PCO active: 0
    * PCO phase: 0
Extended capabilities:
    * Extended Channel Switching
    * TFS
    * WNM-Sleep Mode
    * TIM Broadcast
    * BSS Transition
    * SSID List
    * Operating Mode Notification
    * TWT Responder Support
    * Max Number Of MSDUs In A-MSDU is unlimited
VHT capabilities:
    VHT Capabilities (0x338bf9f6):
        Max MPDU length: 11454
        Supported Channel Width: 160 MHz
        RX LDPC
        short GI (80 MHz)
        short GI (160/80+80 MHz)
        TX STBC
        SU Beamformer
        SU Beamformee
        MU Beamformer
        RX antenna pattern consistency
        TX antenna pattern consistency
    VHT RX MCS set:
        1 streams: MCS 0-9
        2 streams: MCS 0-9
        3 streams: MCS 0-9
        4 streams: MCS 0-9
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    VHT RX highest supported: 0 Mbps
    VHT TX MCS set:
        1 streams: MCS 0-9
        2 streams: MCS 0-9
        3 streams: MCS 0-9
        4 streams: MCS 0-9
        5 streams: not supported
        6 streams: not supported
        7 streams: not supported
        8 streams: not supported
    VHT TX highest supported: 0 Mbps
    VHT extended NSS: supported
VHT operation:
    * channel width: 1 (80 MHz)
    * center freq segment 1: 42
    * center freq segment 2: 50
    * VHT basic MCS set: 0xffff
Transmit Power Envelope:
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* Local Maximum Transmit Power For 20 MHz: 30 dBm
* Local Maximum Transmit Power For 40 MHz: 30 dBm
* Local Maximum Transmit Power For 80 MHz: 30 dBm
* Local Maximum Transmit Power For 160/80+80 MHz: 30 dBm
HE capabilities:
  HE MAC Capabilities (0x010d1a081040):
    +HTC HE Supported
    TWT Responder
    Dynamic BA Fragmentation Level: 1
    Minimum Payload size of 128 bytes: 1
    BSR
    OM Control
    Maximum A-MPDU Length Exponent: 3
    A-MSDU in A-MPDU
    OM Control UL MU Data Disable RX
  HE PHY Capabilities: (0x0c634088ff5b811c110800):
    HE40/HE80/5GHz
    HE160/5GHz
    Punctured Preamble RX: 3
    LDPC Coding in Payload
    HE SU PPDU with 1x HE-LTF and 0.8us GI
    Full Bandwidth UL MU-MIMO
    DCM Max Constellation Rx: 1
    SU Beamformer
    SU Beamformee
    MU Beamformer
    Beamformee STS <= 80MHz: 7
    Beamformee STS > 80MHz: 7
    Sounding Dimensions <= 80MHz: 3
    Sounding Dimensions > 80MHz: 3
    Ng = 16 SU Feedback
    Codebook Size SU Feedback
    PPE Threshold Present
    HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
    Max NC: 3
    HE ER SU PPDU 4x HE-LTF 0.8us GI
    HE ER SU PPDU 1x HE-LTF 0.8us GI
    RX 1024-QAM
  HE RX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set <= 80 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE RX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  HE TX MCS and NSS set 160 MHz
    1 streams: MCS 0-11
    2 streams: MCS 0-11
    3 streams: MCS 0-11
    4 streams: MCS 0-11
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
  PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
  HE Operation Parameters: (0x003ff4)
    Default PE Duration: 4
    TXOP Duration RTS Threshold: 1023
  BSS Color: 1
  Basic HE-MCS NSS Set: 0xffff
    1 streams: MCS 0-7
    2 streams: not supported
    3 streams: not supported
    4 streams: not supported
    5 streams: not supported
    6 streams: not supported
    7 streams: not supported
    8 streams: not supported
Multi-Link:
  MLD MAC: 8c:90:2d:26:15:69
  Link ID: 1
    EML Capabilities: 0x0001
    EMLSR Support
EHT capabilities:
  EHT MAC Capabilities (0x0000):
  EHT PHY Capabilities (0xe01f1b001836803610):
    SU Beamformer
    SU Beamformee
    Beamformee SS (80MHz): 7
    Beamformee SS (160MHz): 7
    Number Of Sounding Dimensions (80MHz): 3

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        Number Of Sounding Dimensions (160MHz): 3
        EHT MU PPDU With 4 EHT-LTF And 0.8 μs GI
        Max Nc: 1
        Tx 1024-QAM And 4096-QAM < 242-tone RU
        Rx 1024-QAM And 4096-QAM < 242-tone RU
        Common Nominal Packet Padding: 3
        Support Of EHT DUP In 6 GHz
        Non-OFDMA UL MU-MIMO (80MHz)
        Non-OFDMA UL MU-MIMO (160MHz)
        MU Beamformer (80MHz)
        MU Beamformer (160MHz)
EHT-MCS Map (BW <= 80) (0x444444):
    Rx Max NSS for MCS 0-9: 4
    Tx Max NSS for MCS 0-9: 4
    Rx Max NSS for MCS 10-11: 4
    Tx Max NSS for MCS 10-11: 4
    Rx Max NSS for MCS 12-13: 4
    Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 160) (0x444444):
    Rx Max NSS for MCS 0-9: 4
    Tx Max NSS for MCS 0-9: 4
    Rx Max NSS for MCS 10-11: 4
    Tx Max NSS for MCS 10-11: 4
    Rx Max NSS for MCS 12-13: 4
    Tx Max NSS for MCS 12-13: 4
EHT Operation:
    EHT Operation Parameters: (0x44)
        EHT Default PE Duration
        Group Addressed BU Indication Exponent: 0x0
    Basic EHT-MCS And Nss Set: 0x11000000
WMM:
    * Parameter version 1
    * u-APSD
    * BE: CW 15-1023, AIFS 3
    * BK: CW 15-1023, AIFS 7
    * VI: CW 7-15, AIFS 2, TXOP 3008 usec
    * VO: CW 3-7, AIFS 2, TXOP 1504 usec

BSS ae:90:2d:26:15:69(on sta04012)
    last seen: 5938.704s [boottime]
    TSF: 1629798460 usec (0d, 00:27:09)
    freq: 6295.0
    beacon interval: 100 TUs
    capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)
    signal: -36.00 dBm
    last seen: 3361 ms ago
    SSID: DEMO_MLO
    Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0
    TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0
    Country: US      Environment: bogus
        Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)
        Channels [33 - 233] @ 0 dBm
    Power constraint: 0 dB
    TPC report: TX power: 26 dBm
    Extended supported rates: 61.5*
RSN:
    * Version: 1
    * Group cipher: CCMP
    * Pairwise ciphers: CCMP
    * Authentication suites: SAE
    * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)
RM enabled capabilities:
    Capabilities: 0x73 0xd0 0x00 0x00 0x0c
        Link Measurement
        Neighbor Report
        Beacon Passive Measurement
        Beacon Active Measurement
        Beacon Table Measurement
        LCI Measurement
        Transmit Stream/Category Measurement
        Triggered Transmit Stream/Category
        FTM Range Report
        Civic Location Measurement
    Nonoperating Channel Max Measurement Duration: 0
    Measurement Pilot Capability: 4
Extended capabilities:
    * Extended Channel Switching
    * TFS
    * WNM-Sleep Mode
    * TIM Broadcast
    * BSS Transition
    * Multiple BSSID
    * SSID List
    * Operating Mode Notification
    * TWT Responder Support
    * 80
    * 83
Transmit Power Envelope:
Transmit Power Envelope:
HE capabilities:
    HE MAC Capabilities (0x010d1a081040):
        +HTC HE Supported
        TWT Responder
        Dynamic BA Fragmentation Level: 1
        Minimum Payload size of 128 bytes: 1
        BSR
        OM Control
        Maximum A-MPDU Length Exponent: 3
        A-MSDU in A-MPDU
        OM Control UL MU Data Disable RX
    HE PHY Capabilities: (0x0c634088ff5b811c110800):
        HE40/HE80/5GHz
        HE160/5GHz

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Punctured Preamble RX: 3
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
MU Beamformer
Beamformee STS <= 80MHz: 7
Beamformee STS > 80MHz: 7
Sounding Dimensions <= 80MHz: 3
Sounding Dimensions > 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE RX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
HE Operation:
HE Operation Parameters: (0x023ff4)
Default PE Duration: 4
TXOP Duration RTS Threshold: 1023
6 GHz Operation Information Present
BSS Color: 48
Basic HE-MCS NSS Set: 0xffff
1 streams: MCS 0-7
2 streams: not supported
3 streams: not supported
4 streams: not supported
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
6 GHz Operation Information: 0x4503474f01
Primary Channel: 69
Channel Width: 80+80 or 160 MHz
Regulatory Info: 0
Center Frequency Segment 0: 71
Center Frequency Segment 1: 79
Minimum Rate: 1
EHT capabilities:
EHT MAC Capabilities (0x0000):
EHT PHY Capabilities (0xe2ffdb001836801e10):
320MHz in 6GHz Supported
SU Beamformer
SU Beamformee
Beamformee SS (80MHz): 7
Beamformee SS (160MHz): 7
Beamformee SS (320MHz): 7
Number Of Sounding Dimensions (80MHz): 3
Number Of Sounding Dimensions (160MHz): 3
Number Of Sounding Dimensions (320MHz): 3
EHT MU PPDU With 4 EHT-LTF And 0.8 µs GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
Support Of EHT DUP In 6 GHz
Non-OFDMA UL MU-MIMO (80MHz)
Non-OFDMA UL MU-MIMO (160MHz)
Non-OFDMA UL MU-MIMO (320MHz)
MU Beamformer (80MHz)
EHT-MCS Map (BW <= 80) (0x444444):

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Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 160) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT-MCS Map (BW = 320) (0x444444):
Rx Max NSS for MCS 0-9: 4
Tx Max NSS for MCS 0-9: 4
Rx Max NSS for MCS 10-11: 4
Tx Max NSS for MCS 10-11: 4
Rx Max NSS for MCS 12-13: 4
Tx Max NSS for MCS 12-13: 4
EHT Operation:
  EHT Operation Parameters: (0x45)
    EHT Default PE Duration
    Group Addressed BU Indication Exponent: 0x0
  Basic EHT-MCS And Nss Set: 0x11000000
  EHT Operation Info: 0x044f3f
    Channel Width: 320 MHz
    Center Frequency Segment 0: 79
    Center Frequency Segment 1: 63
WMM:
  * Parameter version 1
  * u-APSD
  * BE: CW 15-1023, AIFS 3
  * BK: CW 15-1023, AIFS 7
  * VI: CW 7-15, AIFS 2, TXOP 3008 usec
  * VO: CW 3-7, AIFS 2, TXOP 1504 usec
Multi-Link:
  MLD MAC: 8c:90:2d:26:15:69
  Link ID: 2
  EML Capabilities: 0x0001
  EMLSR Support
```

[META Information for Report for: Wifi Capacity Test](#)