TR-398 Issue 4

WiFi Performance Test Plan

Mon Oct 06 19:55:26 IST 2025

Test Setup Information		
Device Under Test	Name	TPLINK_WiFi7
	SSIDs	TPLINK_2G TPLINK_5G TPLINK_6G TPLINK_MLO
	Passwords	Password@123 Password@123 Password@123 Password@123
	BSSIDs	
	Notes	[BLANK]
Estimated Run Time	30 m	
Actual Run Time	14.893 m	

Objective

The TR-398 Issue 4 WiFi Performance test plan by the Broadband forum provides a comprehensive set of tests to qualify the performance of WiFi access points (APs) designed for residential and small office environments. Radio performance, Throughput, Connection Stability, Airtime Fairness, AP Co-existence, MU-MIMO Performance, Spatial Consistency, Long-term Stability and Mesh performance are some of the test areas covered in this test plan. The test plan is designed for service providers deploying in home WiFi APs to qualify the APs in the lab before deployment and for equipment makers to test during the development of the APs. Candela Technologies offers a fully automated TR-398 test system. The user can select from the list of tests available. Most tests can run fully automated, though some require user interaction. Measurements are made and compared to the specified PASS/FAIL criteria in the TR-398 test plan and this report will show the summary PASS/FAIL results followed by more detailed results for each test.

Summary Results

Test	Result	Candela Score	Elapsed	Info
6.5.6 MLO eMLSR Test	BW / n/AC / AX / BE 2.4Ghz 5Ghz 6Ghz MLO — Pass	126	14.523 m	Passed 5 / 5 5GHz Interferer: STA: MODE_BE 5g+6g : 880.78 Mbps 5GHz Interferer: Alien: MODE_BE 5g+6g : 198.81 Mbps 6GHz Interferer: STA: MODE_BE 5g+6g : 998.30 Mbps 6GHz Interferer: Alien: MODE_BE 5g+6g : 236.03 Mbps

6.5.6 MLO eMLSR Test

Summary

MLO test verifies DUT AP will select the best of two links when interfering traffic is found on one or both links. To ensure link parity, bandwidth will be set to 80Mhz on both 5GHz and 6GHz. When testing 2.4GHz and 5GHz, use 20MHz for 2.4 and 80MHz for 5Ghz.

Test Setup

1. Alien AP-2 is used to create 20Mhz traffic to STA3 on channel 6.
2. Alien AP-5 is used to create 80Mhz traffic to STA2 on channel 36.
3. Alien AP-6 is used to create 80Mhz traffic to STA3 on 6GHz channel 37.
4. Alien APs should have signal between -30 to -65 as heard by the DUT AP.
5. Alien APs must NOT use BSS Coloring.
6. Alien APs may use any wifi mode appropriate for the band and bandwidth (n/ac/ax/be).
7. STA must enable MLO on selected bands.
8. Alien STA2 and STA3 should use 1 spatial stream.
9. Alien APs may be created by the Testbed, or may be an off-the-shelf AP.

Test Procedure

1. DUT AP is set to default TR398 test settings for 802.11BE 5GHz.
2. DUT AP is set to default TR398 test settings for 802.11BE 6GHz, except that it will use 80MHz bandwidth instead of 320MHz.
3. DUT AP enables MLO on the 5GHz and 6GHz links.
4. Configure 0 AAV attenuation for the current band between test STA and DUT AP.
5. Configure STA to enable MLO and connect to the DUT AP's MLO SSID.
6. Alien AP and STA2 are set to be admin down.
7. Measure the STA downlink TCP throughput, using a test time of 120 seconds. This is the baseline throughput. Record throughput as THROUGHPUT_DUT and stop traffic.
8. Configure Alien AP-5 for channel 36 and 80Mhz.
9. Configure Alien AP-6 for 6GHz channel 37 and 80Mhz.
10. Configure Alien STA2 to use 1 NSS and to connect to the Alien AP-5.
11. Configure Alien STA3 to use 1 NSS and to connect to the Alien AP-6.
12. Create TCP Downlink test between Alien AP-5 and STA2.
13. Measure the Alien STA2 downlink TCP Throughput, using a test time of 120 seconds and record throughput as THROUGHPUT_ALIEN_5 and stop traffic.
14. Create TCP Downlink test between Alien AP-6 and STA3.
15. Measure the Alien STA3 downlink TCP Throughput, using a test time of 120 seconds and record throughput as THROUGHPUT_ALIEN_6 and stop traffic.
16. Concurrently run STA TCP downlink at maximum speed, and Alien STA2 TCP downlink at maximum speed for a period of 120 seconds. Record STA downlink traffic rate as THROUGHPUT_DUT_CONGESTED_5. Record Alien STA2 TCP Downlink traffic rate as THROUGHPUT_ALIEN_CONGESTED_5 and stop all traffic.
17. Concurrently run STA TCP downlink at maximum speed, and Alien STA3 TCP downlink at maximum speed for a period of 120 seconds. Record STA downlink traffic rate as THROUGHPUT_DUT_CONGESTED_6. Record Alien STA3 TCP downlink traffic rate as THROUGHPUT_ALIEN_CONGESTED_6 and stop all traffic.
18. Test 2.4Ghz + 5Ghz channel combination: Repeat all steps substituting the 2.4GHz radios and APs for the 6GHz radios/APs.

Pass/Fail Criteria

Passing values for this test require that the traffic be at least some percentage of the baseline throughput. It is expected that the MLO STA traffic will automatically move to the uncongested link, so over-all, throughput should be similar to baseline.

1. Channels 5GHz + 6GHz
    1. THROUGHPUT_DUT must be at least 800Mbps.
    2. THROUGHPUT_ALIEN_CONGESTED_5 must be at least 80% of THROUGHPUT_ALIEN_5.
    3. THROUGHPUT_ALIEN_CONGESTED_6 must be at least 80% of THROUGHPUT_ALIEN_6.
    4. THROUGHPUT_DUT_CONGESTED_5 must be at least 80% of THROUGHPUT_DUT.
    5. THROUGHPUT_DUT_CONGESTED_6 must be at least 80% of THROUGHPUT_DUT.
2. Channels 5GHz + 2.4GHz
    1. THROUGHPUT_DUT must be at least 800Mbps.
    2. THROUGHPUT_ALIEN_CONGESTED_5 must be at least 80% of THROUGHPUT_ALIEN_5.
    3. THROUGHPUT_ALIEN_CONGESTED_2 must be at least 20% of THROUGHPUT_ALIEN_2.

4. THROUGHPUT_DUT_CONGESTED_5 must be at least 80% of THROUGHPUT_DUT.
5. THROUGHPUT_DUT_CONGESTED_2 must be at least 20% of THROUGHPUT_DUT.

Candela Score

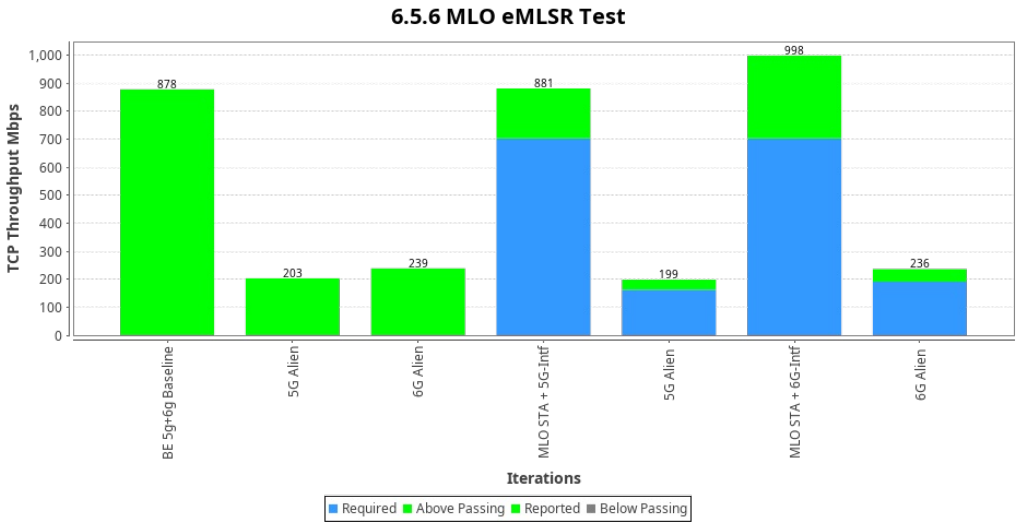
The score is ((total_dut_congested_tput + total_alien_congested_tput) * 120.0 / (total_alien_tput + total_dut_tput).

6.5.6 MLO eMLSR Test Results

Type	Result	Value	P/F Value	Notes
Configuration NOTE	INFO			Using LANforge AP for Alien Interferer.
BE MLO 5g+6g Baseline MLO STA	PASS	878	800	Baseline MLO STA Req: 800.00 Mbps Rpt: 877.54 Mbps STA-RSSI Data: -29 Rx-Rate: 1.201G Tx-Rate: 1.441G Activity: 94% 802.11an-BE-80-2x2 36 Available Links [1:36 0:37e] Active [0:37e]
BE MLO 5g+6g 5GHz ch: 36	INFO			Calibrated alien rate at: 203.07 Mbps 1.1.31 wlan5 STA-RSSI Data: -41 Rx-Rate: 288.2M Tx-Rate: 286.7M Activity: 96% 802.11an-AX-80-1x1 36 1.1.29 vap1000 STA-RSSI Data: -53 Rx-Rate: 286.7M Tx-Rate: 480.3M Activity: 92% 802.11an-AX-80- 36
BE MLO 5g+6g 6GHz ch: 37e	INFO			Calibrated alien rate at: 238.61 Mbps 1.1.35 wlan6 STA-RSSI Data: -37 Rx-Rate: 360.3M Tx-Rate: 286.7M Activity: 95% 802.11a-AX-80-1x1 37e 1.1.33 vap1200 STA-RSSI Data: -58 Rx-Rate: 286.7M Tx-Rate: 540.3M Activity: 92% 802.11an-AX-80- 37e
BE 5GHz STA Interferer: 5GHz	PASS	881	702	STA Req: 702.03 Mbps Rpt: 880.78 Mbps STA-RSSI Data: -29 Rx-Rate: 1.297G Tx-Rate: 1.441G Activity: 94% 802.11an-BE-80-2x2 36 Available Links [1:36 0:37e] Active [0:37e] Alien Expected Load: 203.07 Mbps Alien Throughput: 198.81 Mbps Interferer: 1.1.31 wlan5 STA-RSSI Data: -40 Rx-Rate: 432.4M Tx-Rate: 286.7M Activity: 96% 802.11an-AX-80-1x1 36 Upstream: 1.1.29 vap1000 STA-RSSI Data: -54 Rx-Rate: 286.7M Tx-Rate: 288.2M Activity: 92% 802.11an-AX-80- 36
BE MLO 5g+6g 5GHz Alien Interferer: 5GHz	PASS	199	162	Alien Req: 162.46 Mbps Rpt: 198.81 Mbps STA-RSSI Data: -29 Rx-Rate: 1.297G Tx-Rate: 1.441G Activity: 94% 802.11an-BE-80-2x2 36 Available Links [1:36 0:37e] Active [0:37e] Alien Expected Load: 203.07 Mbps Alien Throughput: 198.81 Mbps Interferer: 1.1.31 wlan5 STA-RSSI Data: -40 Rx-Rate: 432.4M Tx-Rate: 286.7M Activity: 96% 802.11an-AX-80-1x1 36 Upstream: 1.1.29 vap1000 STA-RSSI Data: -54 Rx-Rate: 286.7M Tx-Rate: 288.2M Activity: 92% 802.11an-AX-80- 36
BE 6GHz STA Interferer: 6GHz	PASS	998	702	STA Req: 702.03 Mbps Rpt: 998.30 Mbps STA-RSSI Data/Beacon: -30/-28 Rx-Rate: 1.441G Tx-Rate: 1.441G 802.11an-BE-80-2x2 36 Available Links [1:36 0:37e] Active [1:36] Alien Expected Load: 238.61 Mbps Alien Throughput: 236.03 Mbps Interferer: 1.1.35 wlan6 STA-RSSI Data: -36 Rx-Rate: 360.3M Tx-Rate: 286.7M Activity: 95% 802.11a-AX-80-1x1 37e Upstream: 1.1.33 vap1200 STA-RSSI Data: -58 Rx-Rate: 286.7M Tx-Rate: 360.3M Activity: 92% 802.11an-AX-80- 37e
BE MLO 5g+6g				Alien Req: 190.89 Mbps Rpt: 236.03 Mbps STA-RSSI Data/Beacon: -30/-28 Rx-Rate: 1.441G Tx-Rate: 1.441G 802.11an-BE-80-2x2 36 Available Links [1:36 0:37e] Active [1:36] Alien Expected Load: 238.61 Mbps

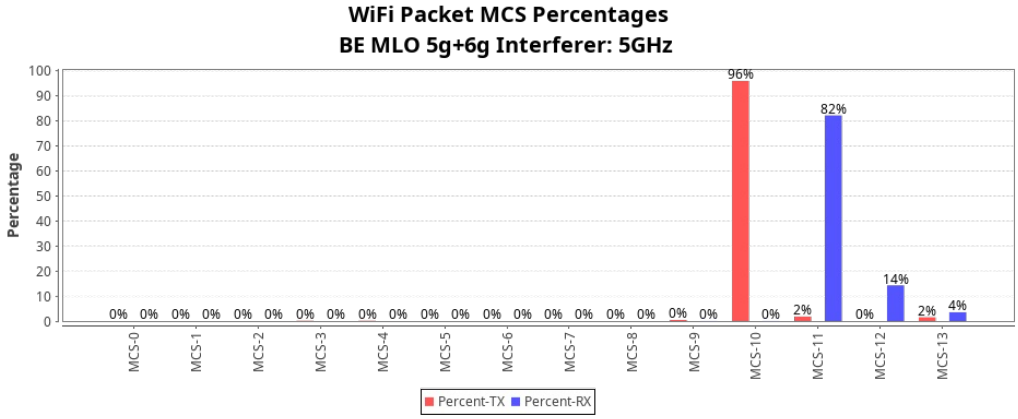
6GHz Alien Interferer: 6GHz	PASS	236	191	Alien Throughput: 236.03 Mbps Interferer: 1.1.35 wlan6 STA-RSSI Data: -36 Rx-Rate: 360.3M Tx-Rate: 286.7M Activity: 95% 802.11a-AX-80-1x1 37e Upstream: 1.1.33 vap1200 STA-RSSI Data: -58 Rx-Rate: 286.7M Tx-Rate: 360.3M Activity: 92% 802.11an-AX-80- 37e
BE MLO 2.4g+5g	Warning			Channel combination configured to be skipped.

CSV Data for 6.5.6 MLO eMLSR Test



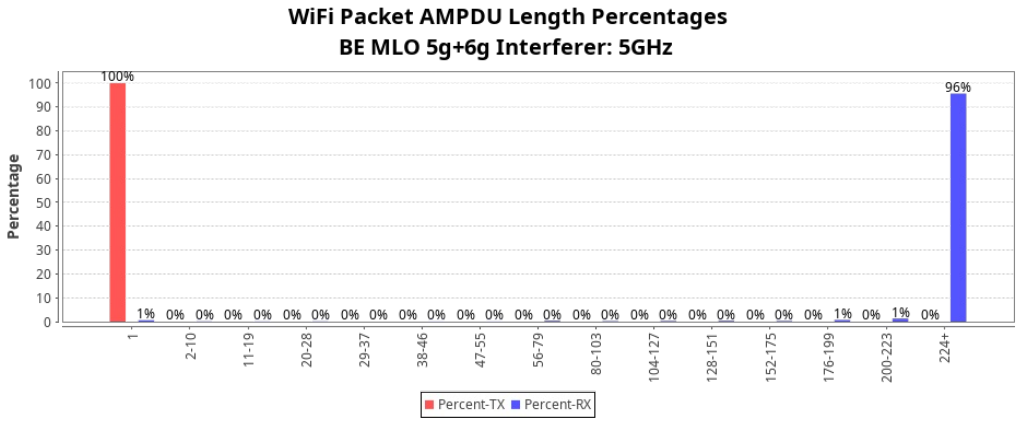
Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

CSV Data for WiFi Packet MCS Percentages BE MLO 5g+6g Interferer: 5GHz



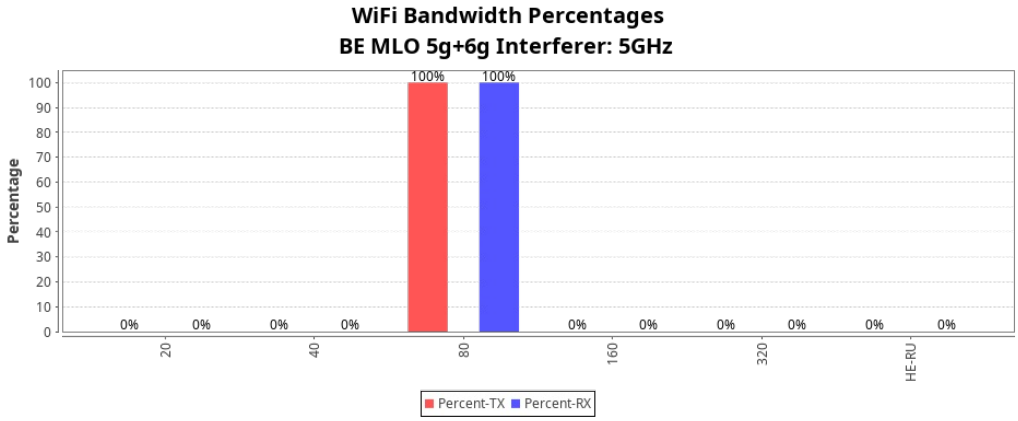
Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility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

CSV Data for WiFi Packet AMPDU Length Percentages BE MLO 5g+6g Interferer: 5GHz



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

CSV Data for WiFi Bandwidth Percentages BE MLO 5g+6g Interferer: 5GHz



MLO 2-Link: Snapshot BE MLO 5g+6g 5GHz Interferer: 5GHz

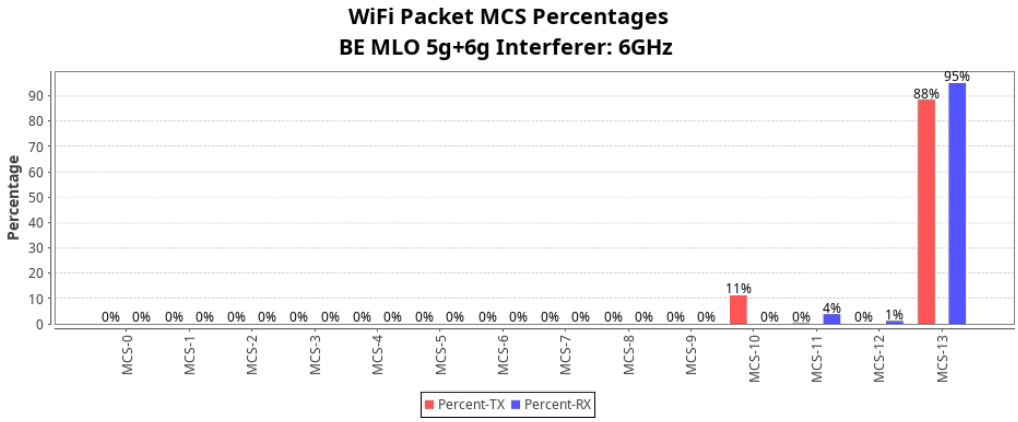
Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.1.24 wlan0	2.691 Mbps	925.152 Mbps	0	1441.1 Mbps	1.297 Gbps	802.11an-BE 80 2x2	36	1,051	-29	E8:9C:25:69:F3:AA	192.168.1.161	e4:60:17:64:f8:07
MLO 1.1.wlan0.0	1.753 Mbps	410.386 Mbps	0	1,080.60 Mbps	1,296.70 Mbps	802.11-BE 80 2x2	37e		-46	e8:9c:25:69:f3:aa		e4:60:17:64:f9:07
1.1.31 wlan5	2.286 Mbps	207.645 Mbps	0	286.7 Mbps	432.4 Mbps	802.11an-AX 80 1x1	36	64	-40	38:F8:F6:83:13:1A	172.19.235.111	e4:60:17:64:fd:75

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	926.606 Mbps	2.15 Mbps	10 Gbps	192.168.1.67	9c:69:b4:63:16:ac

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Lat (ms)	RT Lat (ms)	Jitter	Rx Pkt Loss %	Rx OOO %	Rx DUP	Rx Seq Drop
cv_tcp-1.2-1.wlan0--1.0.0-A	0 bps	885.416 Mbps	0	201720	436	436	329	0	0	0	0
cv_tcp-1.2-1.wlan0--1.0.0-B	885.574 Mbps	0 bps	201400	0	0	436	0	0	0	0	0
cv_tcp-1.29-1.wlan5--1.0.3-A	0 bps	200.395 Mbps	0	45538	578	578	148	0	0	0	0
cv_tcp-1.29-1.wlan5--1.0.3-B	200.27 Mbps	0 bps	45435	0	0	578	0	0	0	0	0

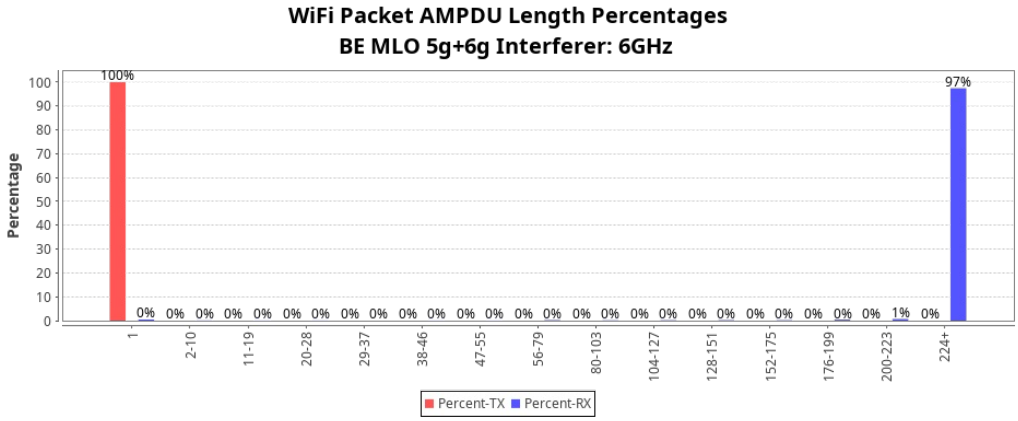
Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

CSV Data for WiFi Packet MCS Percentages BE MLO 5g+6g Interferer: 6GHz



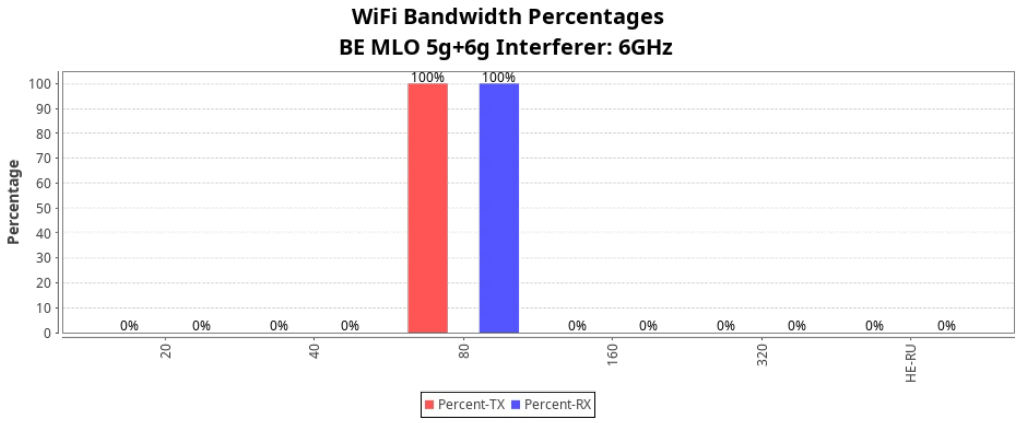
Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility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

CSV Data for WiFi Packet AMPDU Length Percentages BE MLO 5g+6g Interferer: 6GHz



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

CSV Data for WiFi Bandwidth Percentages BE MLO 5g+6g Interferer: 6GHz



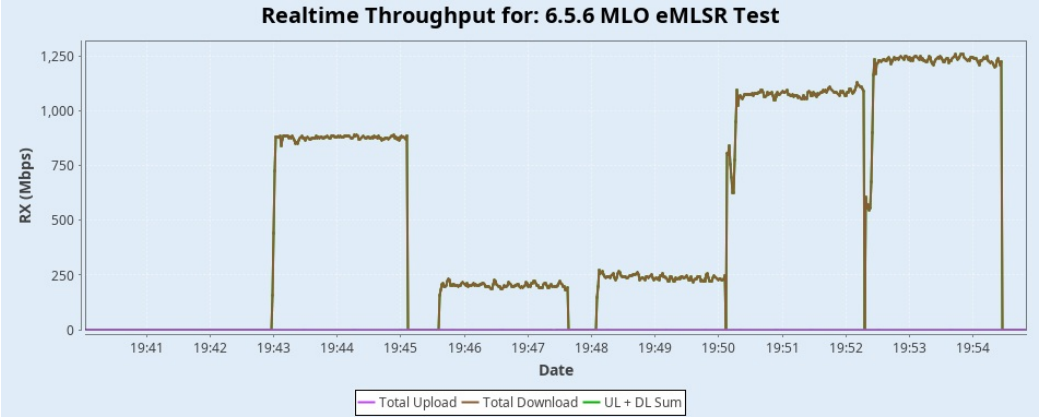
MLO 2-Link: Snapshot BE MLO 5g+6g 6GHz Interferer: 6GHz

Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.1.24 wlan0	2.849 Mbps	1.043 Gbps	0	1441.1 Mbps	1.441 Gbps	802.11an-BE 80 2x2	36	1,051	-30	E8:9C:25:69:F3:AA	192.168.1.161	e4:60:17:64:f8:07
MLO 1.1.wlan0.1	541.085 Kbps	193.208 Mbps	0	1,441.10 Mbps	1,441.10 Mbps	802.11-BE 80 2x2	36		-30	d2:9c:25:69:f3:a6		e4:60:17:64:fa:07
1.1.35 wlan6	2.053 Mbps	246.189 Mbps	0	286.7 Mbps	360.3 Mbps	802.11a-AX 80 1x1	227	0	-36	38:F8:F6:83:32:16	172.20.0.51	e4:60:17:64:fe:10

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	1.047 Gbps	2.314 Mbps	10 Gbps	192.168.1.67	9c:69:b4:63:16:ac

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Lat (ms)	RT Lat (ms)	Jitter	Rx Pkt Loss %	Rx OOO %	Rx DUP	Rx Seq Drop
cv_tcp-1.2-1.wlan0--1.0.0-A	0 bps	998.43 Mbps	0	228639	433	433	206	0	0	0	0
cv_tcp-1.2-1.wlan0--1.0.0-B	998.663 Mbps	0 bps	227890	0	0	433	0	0	0	0	0
cv_tcp-1.33-1.wlan6--1.0.3-A	0 bps	235.617 Mbps	0	54076	543	543	251	0	0	0	0
cv_tcp-1.33-1.wlan6--1.0.3-B	235.483 Mbps	0 bps	53875	0	0	543	0	0	0	0	0

Realtime Throughput for: 6.5.6 MLO eMLSR Test



CSV For Graph Above	6.5.6 MLO eMLSR Test Log
Key Performance Indicators CSV	

Test configuration and LANforge software version	
Auto-Helper	true
Pause on Failure	false
Allow-11w (MFP/PMF)	false
SAE-PWE	2
Disable-MLO	false
TXS All	false
Skip 2.4Ghz Tests	true
Skip 5Ghz Tests	false
Duration-120	120
Duration-60	60
Channel 2GHz	6
Channel 5GHz	36
Channel 6GHz	227
Calibrate against LANforge AP	false
LANforge Calibration TxPower-2.4G	20
LANforge Calibration TxPower-5G	20
Multi-Conn	10
Use-IPv6	false

UDP-Burst	false
UDP-GRO	false
Multiple Endpoints:	1
Default PDU Size:	-1
ToS	0
Pld Pattern	RANDOM_FIXED
UDP Send Buffer Size:	0
UDP Receive Buffer Size:	0
TCP Send Buffer Size:	0
TCP Receive Buffer Size:	0
Upstream Port	1.1.2 eth2 Firmware: 0x80000aef, 1.1876.0 Resource: ct523c-0bdd
Alien Upstream Port	
Turn-Table Chamber	
Prefer Virtual STA Radios	false
Opposite-Speed:	0
1Gbps Throughput Limit:	925000000
2.5Gbps Throughput Limit:	2300000000
5Gbps Throughput Limit:	4600000000
Prefer Group 0	true
Prefer Group 1	false
Prefer Group 2	false
Extra TxStatus	false
Extra RxStatus	false
TXS All	false
Adjust UL Atten with STA TxPower	true
Adjust UL Atten with DUT TxPower	false
Reconfigure DUT BW	false
2.4GHz Channel	2437 Mhz
5GHz Channel	5180 Mhz
6GHz Channel	6135 Mhz
Default NSS	2
2.4GHz 2m RSSI	-25
5GHz 2m RSSI	-30
Attenuation Adjustment	0
Extra Download Path-loss	0
2.4Ghz Bandwidth	20
5Ghz Bandwidth	80
6Ghz AX Bandwidth	160
6Ghz BE Bandwidth	320
STA TX Power:	20

DUT AP Expected TX Power-2.4G:	30
DUT AP Expected TX Power-5G:	30
Virt-Sta Rotation 2.4GHz	0
Virt-Sta Rotation 5GHz	0
Virt-Sta Rotation 6GHz	0
AX Rotation 2.4GHz	0
AX Rotation 5GHz	0
AX Rotation 6GHz	0
6.5.2 AP Coexistence Test	
LANforge-AP is Interferer	false
Use 40Mhz DUT to Avoid DFS	true
Use Node-1 STA	false
Auto-Calibrate Interferer	true
Interferer AP in Node-1	true
Calibrate Alien with DUT Down	true
Disable AP ACS	false
Alien AP TxPower:	20
Alien STA TxPower:	20
Interferer AC 5G-80Mhz:	195 Mbps
Interferer AC 5G-40Mhz:	90 Mbps
Interferer AC 2.4G-20Mhz:	32 Mbps
Interferer AX 6G-160Mhz:	390 Mbps
Interferer AX 5G-80Mhz:	195 Mbps
Interferer AX 5G-40Mhz:	90 Mbps
Interferer AX 2.4G-20Mhz:	32 Mbps
Interferer BE 6G-320Mhz:	800 Mbps
Interferer BE 5G-80Mhz:	250 Mbps
Interferer BE 5G-40Mhz:	90 Mbps
Interferer BE 2.4G-20Mhz:	50 Mbps
Re-configure Timer:	30 sec
6.5.6 MLO eMLSR Test	
LANforge-AP is Interferer	true
Use Node-1 STA	false
Interferer in Node-1	false
Manually Configure AP	true
Disable ACS	false
Skip AP Reconfig	false
Skip 5g+6g test	false
Skip 5g+2g test	true
AP Re-configure Timer:	30 sec

2.4GHz Alien STA Radio:	1.1.7 wiphy12
5GHz Alien STA Radio:	1.1.18 wiphy5
6GHz Alien STA Radio:	1.1.19 wiphy6
2.4GHz Alien AP Radio:	1.1.6 wiphy11
5GHz Alien AP Radio:	1.1.22 wiphy9
6GHz Alien AP Radio:	1.1.6 wiphy10
Alien AP TxPower:	20
Alien STA TxPower:	20
Virt-Sta Radio 2	1.1.wiphy10 Firmware: 20250605125803 Resource: ct523c-0bdd
AX Radio 0	1.1.wiphy0 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-0bdd
AX Radio 5	1.1.wiphy5 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-0bdd
AX Radio 6	1.1.wiphy6 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-0bdd
AX Attenuator 0	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3374.0
AX Attenuator 1	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3374.1
AX Attenuator 4	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3374.2
AX Attenuator 5	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3374.3
AX Attenuator 8	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.0
AX Attenuator 9	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.1
AX Attenuator 12	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.0
AX Attenuator 14	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.1
AX Attenuator 16	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.0
AX Attenuator 18	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.1
AX Attenuator 20	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.0
AX Attenuator 22	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.1
AX Attenuator 24	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.0
AX Attenuator 26	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.1
AX Attenuator 28	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.0
AX Attenuator 30	AX rssi-0-2.4GHz: -25 rssi-0-5GHz: -30 atten: 1.1.3302.1
Details for Resource: 1.1	Hostname: ct523c-0bdd LANforge ver: 5.5.1 64bit Kernel-Version: 6.15.6+
Show Events	true
Build Date	Thu Sep 25 12:16:42 PM PDT 2025
Git Version	27b96f5f56c5ea243d3bb7403bfa232ffcd331a0

CSV Data

META Information for TR-398 Issue 4