

IPv6 Core Conformance Report

Report ID: BIITD-TP-25-21801-RP00

Product Model *KW1602*

Product Version *M1_FoneOS_EU_V2.1.4_20250829-1116*

Vendor Name *myFirst Tech Asia Pte. Ltd.*

G l o b a l I P v 6 R E A D Y

B I I T e s t C e n t e r

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1 Test Introduction

This Testing pertains to a set of standard Requirements, put forth in RFC8200, RFC4861, RFC4862, RFC8201, RFC4443.

This report is in accordance with IPv6 Ready Logo Program and MCMC MTSFB TC T013:2019.

1.1 Target Information

Vendor Name: *myFirst Tech Asia Pte. Ltd.*

Country/Region: *Singapore*

Brand Name: *myFirst*

Product Name: *myFirst Fone M1*

Product Model: *KW1602*

Product Version: *M1_FoneOS_EU_V2.1.4_20250829-1116*

WiFi MAC Address: *40:45:da:82:6e:14*

Product Classification (host or router or special device): *host*

Product Description: *myFirst Fone M1*

! NOTE: This Report only guarantees the product(s) with the Product Version and Product Model shown above. ANY other products are not guaranteed by this report.

1.2 Test Tool

Version of the Conformance Specification and Test Tool:

Conformance Specification:

MCMC MTSFB TC T013:2019--Annex D

IPv6 Ready Test Specification Core Protocol, Version 5.1.4

Test Tools:

Self_Test 5.0.9

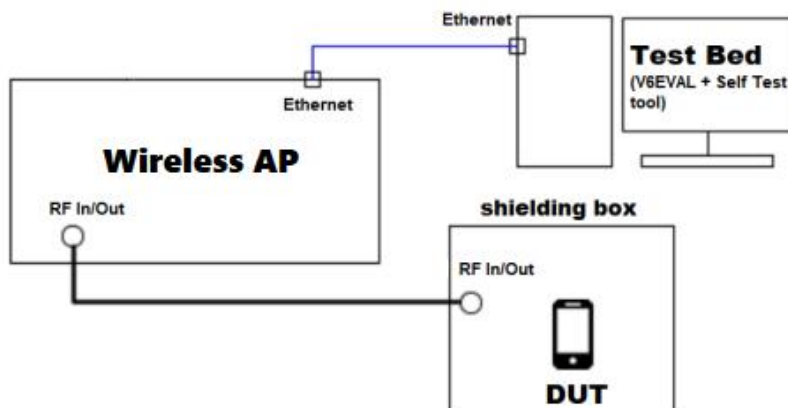
1.3 Test Setup

Figure as below shows the simplified diagram of the setup used for the tests.

The tests in section 2.1 were executed via *802.11 Wireless Network*.

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1.4 Testing Information

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Report Issue Date	December 04, 2025	

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2. Conformance Result

The following table contains the test results and their meanings,

Result	Meaning	Interpretation
-	Initialization	The Device Under Test (DUT) was initialized
PASS	PASS	The Device Under Test (DUT) was observed to exhibit conformant behavior.
SKIP	SKIP	The requirement is optional and not supported by this device.
N/A	Not Applicable	This Test case is not applicable for the DUT which only support .

2.1 Section 1: RFC 8200 - IPv6 Specification

No.	Title	Result
1	Initialization	-
	Group 1: IPv6 Header	
	Test v6LC.1.1.1: Version Field	
2	Version Field	PASS
	Test v6LC.1.1.2: Traffic Class Non-Zero - End Node	
3	Traffic Class Non-Zero - End Node	PASS
	Test v6LC.1.1.4: Flow Label Non-Zero	
4	Part A: NUT receives Non-Zero Flow Label	PASS
	Test v6LC.1.1.5: Payload Length	
5	Part A: Payload Length Odd	PASS
6	Part C: Payload Length Even	PASS
	Test v6LC.1.1.6: No Next Header after IPv6 Header	
7	Part A: NUT Receives No Next Header	PASS
	Test v6LC.1.1.7: Unrecognized Next Header	
8	Part A: Unrecognized Next Header in IPv6 Header (Multiple Values)	PASS
9	Part B: Unexpected Next Header in IPv6 Header	PASS
	Test v6LC.1.1.8: Hop Limit Zero - End Node	
10	Hop Limit Zero - End Node	PASS
	Group 2: Extension Headers and Options	
	Test v6LC.1.2.1: Next Header Zero	
11	Next Header Zero	PASS
	Test v6LC.1.2.2: No Next Header after Extension Header	
12	Part A: End Node	PASS

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	Test v6LC.1.2.3: Unrecognized Next Header in Extension Header - End Node	
13	Part A: Unrecognized Next Header in Extension Header (Multiple Values)	PASS
14	Part B: Unexpected Next Header in Extension Header	PASS
	Test v6LC.1.2.4: Extension Header Processing Order	
15	Part A: Destination Options Header precedes Fragment Header, Error from Destination Options Header	PASS
16	Part B: Destination Options Header precedes Fragment Header, Error from Fragment Header	PASS
17	Part C: Fragment Header precedes Destination Options Header, Error from Fragment Header	PASS
18	Part D: Fragment Header precedes Destination Options Header, Error from Destination Options Header	PASS
	Test v6LC.1.2.5: Option Processing Order	
19	Part A: First Option has Most Significant Bits 00b, Next has Most Significant Bits 01b	PASS
20	Part B: First Option has Most Significant Bits 00b, Next has Most Significant Bits 10b	PASS
21	Part C: First Option has Most Significant Bits 00b, Next has Most Significant Bits 11b	PASS
	Test v6LC.1.2.6: Options Processing, Hop-by-Hop Options Header - End Node	
22	Part A: Pad1 Option	PASS
23	Part B: PadN Option	PASS
24	Part C: Most Significant Bits 00b	PASS
25	Part D: Most Significant Bits 01b	PASS
26	Part E: Most Significant Bits 10b, unicast destination	PASS
27	Part F: Most Significant Bits 11b, unicast destination	PASS
28	Part G: Most Significant Bits 10b, multicast destination	PASS
29	Part H: Most Significant Bits 11b, multicast destination	PASS
	Test v6LC.1.2.8: Option Processing, Destination Options Header	
30	Part A: Pad1 Option	PASS
31	Part B: PadN Option	PASS
32	Part C: Most Significant Bits 00b	PASS
33	Part D: Most Significant Bits 01b	PASS
34	Part E: Most Significant Bits 10b, unicast destination	PASS
35	Part F: Most Significant Bits 11b, unicast destination	PASS
36	Part G: Most Significant Bits 10b, multicast destination	PASS
37	Part H: Most Significant Bits 11b, multicast destination	PASS
	Test v6LC.1.2.9: Unrecognized Routing Type - End Node	
38	Part A: Unrecognized Routing Type 33	PASS
39	Part B: Unrecognized Routing Type 0	PASS
	Test v6LC.1.2.10: Unrecognized Routing Type - Intermediate Node	

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40	Part A: Unrecognized Routing Type 33	PASS
41	Part B: Unrecognized Routing Type 0	PASS
	Group 3: Fragmentation	
	Test v6LC.1.3.1: Fragment Reassembly	
42	Part A: All Fragments are Valid	PASS
43	Part B: All Fragments are Valid, reverse order	PASS
44	Part C: Fragment IDs Differ Between Fragments	PASS
45	Part D: Source Addresses Differ Between Fragments	PASS
46	Part E: Destination Address Differ Between Fragments	PASS
47	Part F: Reassemble to 1500	PASS
	Test v6LC.1.3.2: Reassembly Time Exceeded	
48	Part A: Time Elapsed Between Fragments less than Sixty Seconds	PASS
49	Part B: Time Exceeded Before Last Fragments Arrive	PASS
50	Part C: Time Exceeded (Global), Only First Fragment Received	PASS
51	Part D: Time Exceeded (Link-local), Only First Fragment Received	PASS
52	Part E: Time Exceeded, Only Second Fragment Received	PASS
	Test v6LC.1.3.3: Fragment Header M-Bit Set, Payload Length Invalid	
53	Fragment Header M-Bit Set, Payload Length Invalid	PASS
	Test v6LC.1.3.4: Atomic Fragment	
54	Part A: Link-Local	PASS
55	Part B: Global	PASS

3. Test Lab

Test Lab: Global IPV6 READY BII Test Center www.biigroup.com www.ipv6ready.org.cn

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