

Test Report

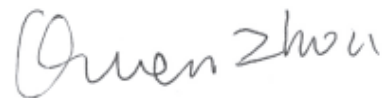
Report No.: CQASZ20180500033EW-03

Test Description: Bluetooth Profile Interoperability Test Report for A2DP
Product/Design Name: 1MORE Stylish Dual-dynamic Driver BT In-Ear Headphones
Product/Design ID: E1024BT
Trademark: 1MORE
Applicant: 1MORE Shen Zhen Acoustic Technology Co., Ltd.
Manufacturer: 1MORE Shen Zhen Acoustic Technology Co., Ltd.
Test Specification: Bluetooth Profile Specification Version 1.3– Advanced Audio Distribution Profile
Bluetooth Advanced Audio Distribution Profile Test Specification:
A2DP.TS.1.3.1.0



Test Report Prepared by.....

Test Engineer Aaron Wu



Test Report Reviewed by.....

Test Reviewer Owen Zhou

Bluetooth[®] Profile Interoperability Test Report

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1 General Information

1.1 General

1.1.1 Administrative data of Test Facility

Test Facility: Shenzhen Huaxia Testing Technology Co., Ltd

Test Facility Address: 1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

Phone Number: 86-755-26648642

Fax: +86-755-26648637

Email: Owen.zhou@cqa-cert.com

Contact Person: Mr. Owen Zhou

1.1.2 Administrative data of Applicant

Applicant: 1MORE Shen Zhen Acoustic Technology Co., Ltd.

Applicant Address: Tianliao Building 1403-1411, Zone A Tianliao Industrial Park, Taoyuan Street, Nanshan District, Shenzhen, P.R. China

Responsible Person: Mrs He

Phone Number : 13242075433

Fax :

Email : xiao.he@tiinlab.com.cn

1.1.3 Administrative data of EUT Manufacturer

EUT Manufacturer: 1MORE Shen Zhen Acoustic Technology Co., Ltd.

Manufacturer Address: Tianliao Building 1403-1411, Zone A Tianliao Industrial Park, Taoyuan Street, Nanshan District, Shenzhen, P.R. China

Responsible Person: Mrs He

Phone Number : 13242075433

Fax :

Email : xiao.he@tiinlab.com.cn

1.2 Description of EUT

Product name: 1MORE Stylish Dual-dynamic Driver BT In-Ear Headphones

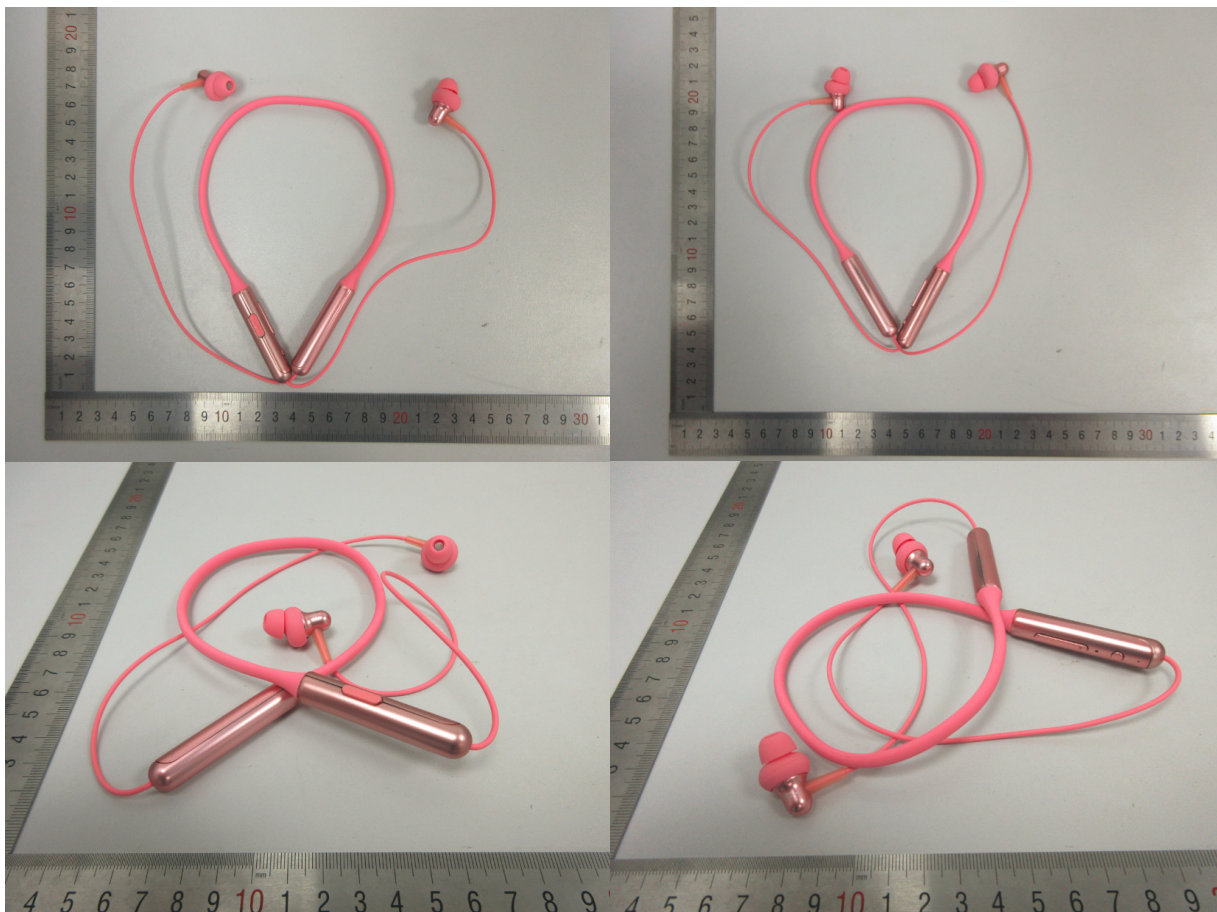
Product description: 1MORE Stylish Dual-dynamic Driver BT In-Ear Headphones

Product ID/Model: E1024BT

Hardware Version: V1.0

Software Version: V1.0

Photos of Product:



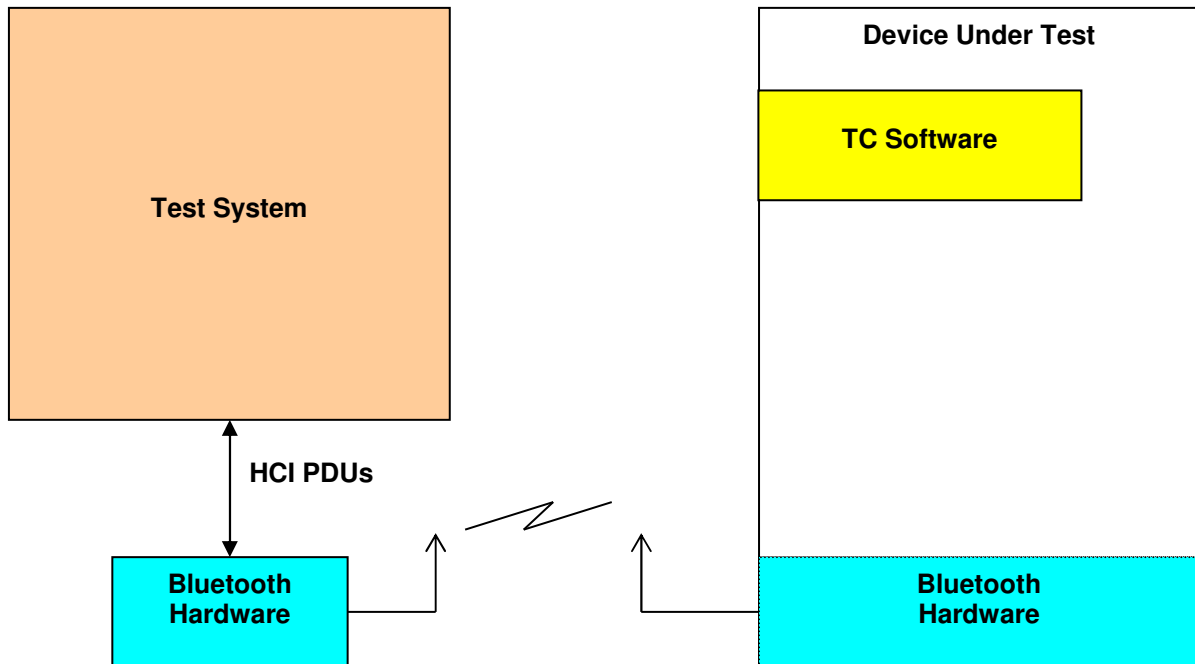


2 Summary List of All Test Cases

Advanced Audio Distribution Profile				
No	TC identifier	Description	Verdict	Comments
1	TP/SET/BV-01-I	Est. Connect. - SRC	Pass	Refer to PTS
2	TP/SET/BV-02-I	Est. Connect. - SNK	N/A	
3	TP/SET/BV-03-I	Start Stream. - SRC	Pass	Refer to PTS
4	TP/SET/BV-04-I	Start Stream. - SNK	N/A	
5	TP/SET/BV-05-I	Restart Stream. - SRC	Pass	Refer to PTS
6	TP/SET/BV-06-I	Restart Stream. - SNK	N/A	
7	TP/REL/BV-01-I	Release Stream. - SRC	Pass	Refer to PTS
8	TP/REL/BV-02-I	Release Stream. - SNK	N/A	
9	TP/SUS/BV-01-I	Suspend Stream - SRC	Pass	Refer to PTS
10	TP/SUS/BV-02-I	Suspend Stream. - SNK	N/A	
11	TP/AS/BV-01-I	Streaming - SBC	Pass	Refer to PTS
12	TP/AS/BV-02-I	Streaming - Options	N/A	
13	TP/AS/BV-03-I	Optional and SBC Streaming - SRC	N/A	
14	TP/SC/BV-01-C	SBC Conformance - Decoder	N/A	
15	TP/SC/BV-02-C	SBC Conformance - Encoder	N/A	
16	TP/SDP/BV-01-I	SDP Interoperability SRC	N/A	
17	TP/SDP/BV-02-I	SDP Interoperability SNK	Pass	Refer to PTS
18	TP/CC/BV-01-I	Configurations SNK Decoder	Pass	Refer to PTS
19	TP/CC/BV-02-I	Configurations SNK Decoder	Pass	Refer to PTS
20	TP/CC/BV-03-I	Configurations SNK Decoder	Pass	Refer to PTS
21	TP/CC/BV-04-I	Configurations SNK Decoder	Pass	Refer to PTS
22	TP/CC/BV-05-I	Configurations SNK Decoder	Pass	Refer to PTS
23	TP/CC/BV-06-I	Configurations SNK Decoder	Pass	Refer to PTS
24	TP/CC/BV-07-I	Configurations SNK Decoder	Pass	Refer to PTS
25	TP/CC/BV-08-I	Configurations SNK Decoder	Pass	Refer to PTS
26	TP/CC/BV-09-I	Configurations SRC Decoder	N/A	
27	TP/CC/BV-10-I	Configurations SRC Decoder	N/A	
28	TP/SYN/BV-01-I	Delay Reporting with VDP video playback	N/A	
29	TP/SYN/BV-02-I	Delay Reporting with local video playback	NT	Category D
30	TP/SYN/BV-01-C	Delay Value	Pass	Refer to PTS

3 Profile Testing

3.1 Description of Test Set-up



The Test System PTS for Bluetooth is running on a PC System.

The test system communicates with the Bluetooth Hardware via an HCI connection.

The tests are performed as remote tests and all communication between the Test System and the DUT is done via the radio interface.



3.2 List of Performed Test Cases

Profile: A2DP

Role: Sink

Source

For Sink Role:

TC-Identifier	Final Verdict	Date of Test
TP/AS/BV-01-I	Pass	2018-06-28
TP/CC/BV-01-I	Pass	2018-06-28
TP/CC/BV-02-I	Pass	2018-06-28
TP/CC/BV-03-I	Pass	2018-06-28
TP/CC/BV-04-I	Pass	2018-06-28
TP/CC/BV-05-I	Pass	2018-06-28
TP/CC/BV-06-I	Pass	2018-06-28
TP/CC/BV-07-I	Pass	2018-06-28
TP/CC/BV-08-I	Pass	2018-06-28
TP/REL/BV-01-I	Pass	2018-06-28
TP/SET/BV-01-I	Pass	2018-06-28
TP/SET/BV-03-I	Pass	2018-06-28
TP/SET/BV-05-I	Pass	2018-06-28
TP/SUS/BV-01-I	Pass	2018-06-28
TP/SYN/BV-01-C	Pass	2018-06-28

3.3 Referenced Documents

Document Name	Version	Issue Date
Advanced Audio Distribution Profile Specification	V1.3	24 Jul 2012
Advanced Audio Distribution Profile (A2DP) 1.0-1.3 Test Suite Structure (TSS) and Test Purposes (TP)	A2DP.TS.1.3.5	18 Jul 2017
Profile ICS Proforma for Advanced Audio Distribution Profile (A2DP) 1.0-1.3	A2DP.ICS.1.3.3	19 Dec 2017
Test Case Reference List	2017-2	19 Dec 2017

3.4 Additional Information

The test results presented in this test report apply only to the particular implementation under test (IUT) Declared in clause 1.2 of this report, for the functionality described in the relevant Protocol Implementation Statement (PICS), as presented for test on the date(s) declared in the relevant Protocol Implementation Extra Information for testing (PIXIT).

This test report does not constitute or imply, by its own, to be an approval of the product by Qualification Bodies, Certification Bodies or competent Authorities.

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Abbreviations in this report:

OK, Pass, P	=	passed
F	=	failed
N/A	=	not applicable
NT	=	not tested
EUT	=	equipment under test

3.5 Test Sample Information

The following sample was used for testing.

Sample No	Serial No/BT address	Date Of Reception
SZCR180620-01	F8DF1588C41A	2018-06-20

3.6 List of Test Equipments

Profile Tuning Suite: PTS v. 7.1.1
A2DP-ETS v. 10.1.1.8

EZURIO 4.0 PTS Dongle



Annex 1 Profile Implementation Conformance Statement

Advanced Audio Distribution Profile

Role Declaration

Table 0: Profile Version

Support	Item	Capability	System Spec Reference	Status	Comment
<input type="checkbox"/>	0/1	A2DP 1.0	A2DP 1.0	C.1	C.1: Mandatory to support one and only one major profile version.
<input type="checkbox"/>	0/2	A2DP 1.2	A2DP 1.2	C.1	C.1: Mandatory to support one and only one major profile version.
<input checked="" type="checkbox"/>	0/3	A2DP 1.3	A2DP 1.3	C.1	C.1: Mandatory to support one and only one major profile version.
<input type="checkbox"/>	0/4	Item No Longer Used	N/A	N/A	

Role Declaration

Table 0a: Minor Profile Version (X.Y.Z)

Prerequisite: A2DP 0/3

Support	Item	Capability	System Spec Reference	Status	Comment
<input type="checkbox"/>	0a/1	A2DP 1.3.1	A2DP 1.3.1	C.1	C.1: Optional IF 0/3 "A2DP 1.3" is supported, otherwise Excluded.

Role Declaration

Table 1: Roles

Support	Item	Capability	System Spec Reference	Status	Comment
<input type="checkbox"/>	1/1	Source (SRC)	[1] 2.2	C.1	C.1: Mandatory to support at least one of the defined roles.
<input checked="" type="checkbox"/>	1/2	Sink (SNK)	[1] 2.2	C.1	C.1: Mandatory to support at least one of the defined roles.

Application Features



Table 4: A2DP Sink Features

Support	Item	Capability	System Spec Reference	Status	Comment
<input type="checkbox"/>	4/1	Initiate Connection Establishment	[4] 4.1.1	O	
<input checked="" type="checkbox"/>	4/2	Accept Connection Establishment	[4] 4.1.1	M	
<input type="checkbox"/>	4/3	Initiate Start Streaming	[4] 4.1.2	O	
<input checked="" type="checkbox"/>	4/4	Accept Start Streaming	[4] 4.1.2	M	
<input checked="" type="checkbox"/>	4/5	Receive Audio Stream	[1] 3.2.1	M	
<input type="checkbox"/>	4/6	Initiate Connection Release	[4] 4.1.3	O	
<input checked="" type="checkbox"/>	4/7	Accept Connection Release	[4] 4.1.3	M	
<input type="checkbox"/>	4/8	Initiate Suspend	[4] 4.1.4	O	
<input checked="" type="checkbox"/>	4/9	Accept Suspend	[4] 4.1.4	O	
<input checked="" type="checkbox"/>	4/10	SBC Decoder	[1] 4.3	M	
<input checked="" type="checkbox"/>	4/11	SBC Configurations in 16 KHz sampling frequency rate	[1] 4.3.2.1	O	
<input checked="" type="checkbox"/>	4/12	SBC Configurations in 32 KHz sampling frequency rate	[1] 4.3.2.1	O	
<input checked="" type="checkbox"/>	4/13	SBC Configurations in 44.1 KHz sampling frequency rate	[1] 4.3.2.1	M	
<input checked="" type="checkbox"/>	4/14	SBC Configurations in 48 KHz sampling frequency rate	[1] 4.3.2.1	M	
<input type="checkbox"/>	4/10a	Decode and Forward Audio Stream	[1] 3.2.2	O	
<input checked="" type="checkbox"/>	4/15	Delay Reporting	[1] 5.1.1.2, [4] 4.1.8	C.1	C.1: Mandatory to support IF A2DP 0/3 “(A2DP 1.3)” is supported, otherwise Excluded.

Table 5: Supported codecs in SNK

Support	Item	Capability	System Spec Reference	Status	Comment
<input checked="" type="checkbox"/>	5/1	SBC decoder - D1 & D2	[1] 4.3 & Appendix B, [3] Appendix A	M	
<input type="checkbox"/>	5/2	Optional codec decoder	[1] 4.2.2, 4.2.3, 4.4, 4.5, 4.6	O	
<input type="checkbox"/>	5/3	MPEG-1, 2 Audio	[1] 4.4	C.1	C.1: At least one codec shall be supported IF A2DP 5/2 (Optional codec decoder) is supported, otherwise Excluded.
<input type="checkbox"/>	5/4	MPEG-2, 4 AAC	[1] 4.5	C.1	C.1: At least one codec shall be supported IF A2DP 5/2 (Optional codec decoder) is supported, otherwise Excluded.
<input type="checkbox"/>	5/5	ATRAC family decoder	[1] 4.6	C.1	C.1: At least one codec shall be supported IF A2DP 5/2 (Optional codec decoder) is supported, otherwise Excluded.
<input type="checkbox"/>	5/6				
<input type="checkbox"/>	5/1a	Decode and Forward SBC Audio Stream	[1] 4.3 & Appendix B, [3] Appendix A	O	



Sink Implementation

Table 5a: Supported Codec Features in SNK

Prerequisite: A2DP 5/1

Support	Item	Capability	System Spec Reference	Status	Comment
<input checked="" type="checkbox"/>	5a/1	Channel Mode - Mono	[1] 4.3.2.2	M	
<input checked="" type="checkbox"/>	5a/2	Channel Mode - Dual Channel	[1] 4.3.2.2	M	
<input checked="" type="checkbox"/>	5a/3	Channel Mode - Stereo	[1] 4.3.2.2	M	
<input checked="" type="checkbox"/>	5a/4	Channel Mode - Joint Stereo	[1] 4.3.2.2	M	
<input checked="" type="checkbox"/>	5a/5	Block Length 4	[1] 4.3.2.3	M	
<input checked="" type="checkbox"/>	5a/6	Block Length 8	[1] 4.3.2.3	M	
<input checked="" type="checkbox"/>	5a/7	Block Length 12	[1] 4.3.2.3	M	
<input checked="" type="checkbox"/>	5a/8	Block Length 16	[1] 4.3.2.3	M	
<input checked="" type="checkbox"/>	5a/9	Subbands - 4	[1] 4.3.2.4	M	
<input checked="" type="checkbox"/>	5a/10	Subbands - 8	[1] 4.3.2.4	M	
<input checked="" type="checkbox"/>	5a/11	Allocation - SNR	[1] 4.3.2.5	M	
<input checked="" type="checkbox"/>	5a/12	Allocation - Loudness	[1] 4.3.2.5	M	



Annex 2 Test plan generated by launch studio

A2DP.TS.1.3.1.2			
Test Case ID	Legacy Test Case ID	Test Case Description	Test Case Category
TP/AS/BV-01-I	TP/AS/BV-01-I	Verify that the audio streaming based on SBC format.	SNK IUT:A; SRC IUT:A
TP/CC/BV-01-I	TP/CC/BV-01-I	Configurations SNK Decoder	SNK IUT:A; SRC IUT:N/A
TP/CC/BV-02-I	TP/CC/BV-02-I	Configurations SNK Decoder	SNK IUT:A; SRC IUT:N/A
TP/CC/BV-03-I	TP/CC/BV-03-I	Configurations SNK Decoder	SNK IUT:A; SRC IUT:N/A
TP/CC/BV-04-I	TP/CC/BV-04-I	Configurations SNK Decoder	SNK IUT:A; SRC IUT:N/A
TP/CC/BV-05-I	TP/CC/BV-05-I	Configurations SNK Decoder	SNK IUT:A; SRC IUT:N/A
TP/CC/BV-06-I	TP/CC/BV-06-I	Configurations SNK Decoder	SNK IUT:A; SRC IUT:N/A
TP/CC/BV-07-I	TP/CC/BV-07-I	Configurations SNK Decoder	SNK IUT:A; SRC IUT:N/A
TP/CC/BV-08-I	TP/CC/BV-08-I	Configurations SNK Decoder	SNK IUT:A; SRC IUT:N/A
TP/REL/BV-01-I	TP/REL/BV-01-I	Verify that the audio stream connection is released by SRC.	SNK IUT:A; SRC IUT:A
TP/SET/BV-01-I	TP/SET/BV-01-I	Verify that SRC can establish stream connection successfully.	SNK IUT:A; SRC IUT:A
TP/SET/BV-03-I	TP/SET/BV-03-I	Verify that SRC can start audio streaming.	SNK IUT:A; SRC IUT:A
TP/SET/BV-05-I	TP/SET/BV-05-I	Restart Stream. - SRC	SNK IUT:B; SRC IUT:B
TP/SUS/BV-01-I	TP/SUS/BV-01-I	Verify that the audio streaming is suspended by SRC.	SNK IUT:A; SRC IUT:A
TP/SYN/BV-01-C	TP/SYN/BV-01-C	Delay Value	SNK IUT:B; SRC IUT:N/A
TP/SYN/BV-02-I	TP/SYN/BV-02-I	Delay Reporting with local video playback	SNK IUT:D; SRC IUT:D