

MFi Authorized Test Labs

Test Services and Contact Information

September 2023

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MFi Authorized Test Labs

As part of the MFi certification process for MFi Licensees, MFi Authorized Test Labs provide various test services.

If an accessory requires test services from an ATL, download a Packing List from the product plan's "Certification" page on the MFi Portal and refer to it for instructions on shipping production-ready sample sets to selected labs. Please contact the lab directly for a quote or to schedule test services.

For more information on MFi certification requirements, see the MFi Program: Licensing Handbook in the MFi Portal Content Center.

Test Services Overview

Learn which technologies, components, and accessory types must be submitted to ATLs or the Apple Certification Lab. Note: The services offered by each lab are subject to change without notice.

Technology	MFi Authorized Test Lab	Apple Certification Lab
AirPlay audio		✓
AirPlay video		✓
AirPrint		✓
Apple Watch Charger Module	✓	
Audio Accessory Module	✓	
Auto OEM (non-CarPlay)	✓	
CarPlay	✓	
Car Keys	✓	
Find My Network	✓	
Game Controllers		✓
GymKit		✓
Headset Remote and Mic	✓	
Hearing Aids	✓	
HomeKit	✓	
iAP2	✓	
Lightning Power/sync	✓	
MagSafe Case Module	✓	
MagSafe Charger Module	✓	

Authorized Test Lab (ATL) Services

CarPlay and Auto OEM

Authorized Test Lab	Auto OEM (non-CarPlay)	CarPlay functional (USB)	CarPlay location test (USB)	CarPlay Wireless drive test	CarPlay functional (Wireless)	CarPlay location test (Wireless)	CarPlay Wireless performance
Accenture Detroit	✓	✓			✓		
Accenture Shanghai	✓	✓ ¹			✓ ¹		
Accenture Silicon Valley	✓	✓			✓		
Accenture Stuttgart	✓	✓ ¹			✓ ¹		
Accenture LLP			✓ ²	✓ ³		✓ ²	✓ ³
Dekra			✓ ²	✓ ³		✓ ²	✓ ³
Granite River Labs Shanghai	✓	✓ ¹					
Granite River Labs Silicon Valley	✓	✓			✓		
UL Dongguan	✓	✓ ¹			✓ ¹		
UL Fremont	✓	✓			✓		
UL Novi	✓	✓			✓		
UL Suzhou		✓			✓		
UL Solutions			✓ ²	✓ ³		✓ ²	✓ ³

¹ New sample hardware is required for each submission to this location. Inherited system hardware may be tested at applicable US lab locations.

² CarPlay location drive test services may be conducted in multiple global cities. See the *CarPlay Certification Guide* in the MFi Portal Content Center for more information.

³ CarPlay over wireless drive and wireless performance test services may be conducted globally, contact the lab directly to determine if travel arrangements are available.

Car Keys

Authorized Test Lab	NFC Functional + User Experience	UWB Functional + User Experience	UWB / BLE Functional + User Experience
Dekra China	✓	✓	✓
Dekra Germany	✓	✓	✓
Dekra Spain	✓	✓	✓
Dekra Taiwan	✓	✓	✓
Dekra US	✓	✓	✓

Other Technologies and Components

Authorized Test Lab	Find My Network	HomeKit	Hearing Aids	iAP2	MFi Wi-Fi Verification
Granite River Labs Silicon Valley	✓	✓ ¹	✓	✓	
Granite River Labs GmbH		✓ ¹	✓	✓	
UL Dongguan	✓	✓ ¹		✓	✓ ²
UL Solutions - RTP		-			-
UL Taiwan		✓ ¹			✓ ²

¹ HomeKit accessories that implement Camera Control, Camera Event Recording Management, Camera Operating Mode, Camera RTP Stream Management, Doorbell, Microphone, and/or Speaker services must be submitted to either Granite River Labs Silicon Valley or UL Dongguan.

HomeKit accessories that implement Light Shift or NFC access services must be submitted to either Granite River Labs Silicon Valley or UL Dongguan.

HomeKit accessories that implement Audio Stream Management, Siri, Target Control, and/or Target Control Management services must be submitted to Granite River Labs Silicon Valley.

² MFi Wi-Fi Verification fulfills the Wi-Fi verification requirement for applicable AirPlay audio and HomeKit accessories prior to MFi certification.

Authorized Test Lab	Acoustic, Camera, and Compass	Headset Remote and Mic	Audio Accessory Module	Lightning Power/sync	MagSafe Case Module and Charger Module	Apple Watch Charger Module
Granite River Labs Dongguan				✓		
UL Dongguan	✓	✓	✓	✓	✓	✓

Pre-Testing and Advisory Services

MFi Authorized Test Labs may offer pre-testing and advisory services outside of a formal MFi certification audit. Refer to the preceding Authorized Test Labs Services tables to determine the labs capable of providing these services based on the technologies or components used in your accessory.

Apple strongly recommends using MFi Authorized Test Labs for pre-testing and advisory services.

Car Keys - UWB Sensor Test Services

The following labs have the equipment and expertise required to perform UWB Sensor testing for Car Keys solutions. Please contact the labs directly for a quote and to schedule testing. This list is provided for informational purposes only and does not constitute a recommendation by Apple.

DEKRA Testing and Certification SAU

Severo Ochoa 2, Malaga Tech Park, Campanillas, Malaga 29590, Spain

Tel: +34.95.2619.100

email: Info.es@dekra.com

DEKRA Testing and Certification, (Taiwan) Co. Ltd.

No. 26, Huaya 1st Rd., Guishan District Taoyuan City, Taoyuan 24451, Taiwan

Tel: +886-3-275-7255

email: info.tw@dekra.com

Car Keys - UWB System Test Services

The following labs have the equipment and expertise required to perform UWB System testing for Car Keys solutions. Please contact the labs directly for a quote and to schedule testing. This list is provided for informational purposes only and does not constitute a recommendation by Apple.

DEKRA Testing and Certification SAU

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DEKRA Testing and Certification (Shanghai) Ltd. Guangzhou Branch

Building 5, No. 3 Qiyun Road, Huangpu District, Guangzhou, Guangdong Province 510663, China

Tel: +86 20 6664 2973

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DEKRA Automobil Test Center – DEKRA Lausitzring
Senftenberger Straße 30, 01998 Klettwitz, Germany

Tel: +49.151.18278817
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Robert.mische@dekra.com

DEKRA Product Testing and Certification Inc.
405 Glenn Drive, Suite 12, Sterling, Virginia 20164, USA

Tel: +1.703.657.2000
email:
ProductTesting.NA@dekra.com

USB Signal Integrity Test Services

The following labs have the equipment and expertise required to perform USB signal integrity and USB Type-C Power Delivery tests. Please contact the labs directly for a quote and to schedule testing. This list is provided for informational purposes only and does not constitute a recommendation by Apple.

Allion Labs, Inc.
9F, No. 3-1, Yuan Ku Street, Taipei 11503, Taiwan

Tel: +886-2-77228800 Ext. 1910
email: davidtung@allion.com
<https://www.allion.com/>

Allion China Inc.
SuperD Technology Tower, 8F, No.12, Keji South 8th Rd. Nanshan District, Shenzhen 518057 China

Tel: +886-49-233-7277 Ext. 6710
email: jamisonting@allion.com
<https://www.allion.com.cn/>

Allion Japan Inc.
Sumitomo Fudosan Oimachi Ekimae Building 4F, Oi 1-chome 28-1, Shinagawa-ku, Tokyo, 140-0014, Japan

Tel: +81-3-5728-9966 Ext. 280
email: doyen.tsou@allion.co.jp
<https://www.allion.co.jp/>

Resillion Belgium N.V.
Kempische Steenweg 303, PO Box 100, 3500 Hasselt, Belgium

Tel: +32 11 303600
email:
glenn.koninckx@resillion.com
www.resillion.com

Granite River Labs, Inc.
3000 Lakeside Drive, Santa Clara, CA 95054, USA

Tel: +1 (408) 627-7608
email: mfi@graniteriverlabs.com
www.graniteriverlabs.com

Granite River Labs Japan, Ltd.
6F Urbancenter Shin-Yokohama, 2-2-8 ShinYokohama, Kohoku-ku, Yokohama 222-0033 Japan

Tel: +81 45-470-0030
email: mfi@graniteriverlabs.com
<https://www.graniteriverlabs.com/ja-jp/>

Granite River Labs Shanghai, Ltd.
Room 103, B2, No.700 Yishan Rd, Xuhui District, 200233 Shanghai, China

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Granite River Labs Dongguan Co., Ltd.

Rm 2001 Level 20, Building 1, No. 5 Keji 2nd Rod., Songshan Lake,
Dongguan City 523808, China

Tel: +86 (769) 2223-5721

email: mfi@graniteriverlabs.com
www.graniteriverlabs.com.cn

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Tel: +49 721 61052311

email: mfi@graniteriverlabs.com
www.graniteriverlabs.com

Underwriters Laboratories Taiwan Co., Ltd

1st Floor, 260, Da-Yeh Road, Peitou District, Taipei City, Taiwan 112

Tel: +886-2-7737-3000

email: customerservice.tw@ul.com
www.ul.com

SAR Test Services

Licensees are required to ensure their MFi accessories comply with the applicable requirements of the FCC and any other regulatory agencies. Specific Absorption Rate (SAR) testing simulates the RF absorption characteristics of different human tissues. Although SAR testing is not part of the MFi self-certification process, the third-party test lab below has the equipment needed to perform SAR testing for iPhone at this time. Please contact the lab directly for a quote or to schedule test services.

UL Fremont

843 Auburn Court, Fremont, CA 94538, USA

Tel: +1 (510) 319 4094

email: mfi.orders@ul.com
<http://www.ul.com>

Video Decoder Compliance Test Lab

The following labs have the equipment needed to perform Video Decoder conformance tests for CarPlay accessories. Please contact the lab directly for a quote or to schedule test services.

Allegro DVT

30 Rue Lavoisier, 38330 Montbonnot-Saint-Martin, France

Tel: +33 476 42 66 88

email: carplay@allegrodt.com
www.allegrodt.com

Authorized Test Lab Contact Information

Americas

Accenture Detroit
1225 Spartan Street
Madison Heights, MI 48071
USA

+1 248 792 2277
email: UUS-MFI-
Cert@accenture.com
<http://www.accenture.com>

Accenture Silicon Valley
650 Castro Street, 5th floor,
Mountain View, CA 94041
USA

+1 248 792 2277
email: UUS-MFI-
Cert@accenture.com
<http://www.accenture.com>

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UL Novi
25175 Regency Drive
Novi, MI 48275
USA

+1 510 319 4094
email: mfi.orders@ul.com
<http://www.ul.com>

UL Solutions - RTP
Interoperability Lab
12 Laboratory Drive
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Europe	
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Cert@accenture.com
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Multiple Global Locations

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+34 608 19 00 47
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www.dekra-product-safety.com

UL Solutions
333 Pfingsten Road, Northbrook,
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+1.847.272.8800
email: LST.CarPlay@UL.com
<https://www.ul.com>

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Revision history

Release	Revisions
September 2023	<p>UL Solutions - RTP is temporarily unavailable for HomeKit or MFi Wi-Fi Verification test services.</p> <p>Updated the physical address for Allegro DVT.</p>
September 2023	<p>Updated the Lab name and contact details for all umlaut labs supporting CarPlay and Auto OEM test services.</p> <ul style="list-style-type: none"> • umlaut Detroit is now listed as Accenture Detroit • umlaut Silicon Valley is now listed as Accenture Silicon Valley • umlaut Shanghai is now listed as Accenture Shanghai • umlaut Stuttgart is now listed as Accenture Stuttgart • Accenture LLP has been added. <p>Added lab recommendations for the following test services in Pre-Testing and Advisory Services;</p> <ul style="list-style-type: none"> • Car Keys - UWB Sensor test services • Car Keys - UWB System test services • USB Signal Integrity test services • SAR test services • Video Decoder Compliance test services
June 2023	<p>Updated the “Authorized Test Lab Services” table to indicate that;</p> <ul style="list-style-type: none"> • Granite River Labs Shanghai will offer CarPlay over USB Functional test services. • Granite River Labs GmbH will offer iAP2 test services. <p>Updated the contact number for umlaut Shanghai in the “Authorized Test Lab Contact Information” table.</p>
March 2023	<p>Updated the “Authorized Test Lab Contact Information” table to indicate that;</p> <ul style="list-style-type: none"> • UL China renamed to UL Dongguan • UL-CCIC renamed to UL Suzhou
February 2023	<p>Updated the “Authorized Test Lab Services” table to indicate that;</p> <ul style="list-style-type: none"> • Dekra will offer NFC and UWB/BLE (Functional and User Experience) Car Keys test services. • UL Solutions - RTP (North Carolina) supports HomeKit and MFi Wi-Fi Verification test services. • UL-CCIC (Suzhou) supports CarPlay over USB Functional and CarPlay over Wireless Functional test services. • Granite River Labs GmbH supports test services for HomeKit and MFi Hearing Aids. • umlaut China (Shanghai) and umlaut Silicon Valley will cease to support Find My network test services. <p>Updated the “Authorized Test Lab Contact Information” table to;</p> <ul style="list-style-type: none"> • Add Dekra lab location in Klettitz, Germany. • Add UL lab location in North Carolina, US. • Add UL lab location in Suzhou, China. • Add GRL lab location in Karlsruhe, Germany • Remove UL Florida from the list of UL labs supporting MFi test services.
January 2023	<p>Updated the “Authorized Test Lab Services” table to indicate that;</p> <ul style="list-style-type: none"> • GRL US supports test services for iAP2. • Additional test services are now available at Dekra.



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