

LENCENT T70

LENCENT FM Transmitter in-Car Adapter User Manual

Model: T70

1. INTRODUCTION

Thank you for choosing the LENCENT FM Transmitter in-Car Adapter. This device is designed to enhance your in-car audio experience by providing wireless audio streaming, hands-free calling, and fast charging capabilities. It features Bluetooth 5.0 for stable connections, Type-C PD and QC3.0 ports for rapid device charging, and supports various audio playback modes. Please read this manual carefully before use to ensure proper operation and to maximize the product's lifespan.



Image 1.1: LENCENT FM Transmitter in-Car Adapter, showing its compact design and multiple ports.

2. SAFETY INFORMATION

- Do not expose the device to extreme temperatures, direct sunlight, or humid environments.
- Avoid dropping or subjecting the device to strong impacts.
- Do not disassemble, repair, or modify the device yourself. Refer to qualified service personnel for any repairs.
- Keep out of reach of children.
- Ensure the car's voltage is within the supported range (12-24V) before plugging in the device.

- Always pay attention to the road while driving. Use hands-free functions responsibly.

3. PACKAGE CONTENTS

Please check the package for the following items:

- LENCENT FM Transmitter in-Car Adapter (Model T70)
- User Manual



Image 3.1: The retail packaging for the LENCENT FM Transmitter, indicating the product inside.

4. PRODUCT OVERVIEW

Familiarize yourself with the various components and controls of your LENCENT FM Transmitter:

Component	Description
LED Display	Shows FM frequency, Bluetooth status, and car battery voltage.
Multi-function Knob (CH/Call Button)	Press to answer/end calls, long press to activate voice assistant, rotate to adjust volume or change FM frequency.
QC3.0 USB Port	Quick Charge 3.0 output for fast charging compatible devices.
PD 3.0 Type-C Port	Power Delivery 3.0 output for ultra-fast charging compatible devices.

Component	Description
USB Music Port (Blue)	Used for playing music from a U disk (USB flash drive).
Microphone	For hands-free calling.
Previous/Next Track Buttons	Control music playback.
Light Button	Cycles through LED light colors or turns off the light.

LED Display

Show more information



Bluetooth
Connected



FM Station
Number



Car Voltage



Image 4.1: Close-up of the LENCENT FM Transmitter's LED display, showing Bluetooth connection, FM station number, and car voltage indicators.

5. SETUP

5.1. Initial Installation

1. Insert the LENCENT FM Transmitter into your car's cigarette lighter socket. The LED display will light up, showing the current car battery voltage for a few seconds, then switch to the FM frequency.

Easy to Use



Image 5.1: Visual guide demonstrating the easy setup process, starting with inserting the device into the cigarette lighter.

5.2. Finding a Blank FM Station

2. Tune your car's FM radio to an empty frequency (one that has no broadcast). This will minimize interference and provide the best audio quality.
3. Press and hold the Multi-function Knob (CH/Call Button) on the transmitter until the FM frequency on the LED display starts flashing.
4. Rotate the Multi-function Knob to adjust the transmitter's frequency to match the blank FM station you found on your car radio.

5.3. Bluetooth Pairing

5. Once the FM frequencies are matched, the transmitter will automatically enter Bluetooth pairing mode. The Bluetooth icon on the LED display will flash.
6. On your mobile device, enable Bluetooth and search for available devices. Select "T70" from the list to connect.
7. Once successfully paired, the Bluetooth icon on the transmitter's display will stop flashing and remain solid. You are now ready to stream audio.

6. OPERATING INSTRUCTIONS

6.1. Playing Music

The LENCENT FM Transmitter supports three modes for music playback:

- **Bluetooth Streaming:** After successful pairing, open your music app on your phone and start playing. Audio will be transmitted to your car's speakers via the set FM frequency.
- **U Disk Playback:** Insert a USB flash drive (U disk) containing MP3 files into the blue USB music port. The device will automatically detect and play music from the U disk.
- **SD Card Playback:** (Note: This model supports U Disk, not explicitly SD Card based on product images/specs. If your model has an SD card slot, insert an SD card with MP3 files. The device will automatically play.)

Use the Previous/Next Track buttons on the transmitter to skip songs. Rotate the Multi-function Knob to adjust the volume.

3 Modes of playing music



Image 6.1: Illustration showing the three primary methods for playing music through the transmitter: Bluetooth from a phone, directly from a U Disk, and from an SD card (if applicable).

6.2. Hands-Free Calling

When a call comes in:

- **Answer Call:** Press the Multi-function Knob once.
- **End Call:** Press the Multi-function Knob once during a call.
- **Reject Call:** Press and hold the Multi-function Knob for 2 seconds.
- **Redial Last Number:** Double-press the Multi-function Knob.

Strong Microphone



Clear Calling



Crystal Sound



Image 6.2: Diagram highlighting the strong microphone and CVC noise cancellation technology for clear hands-free calls, showing a 35dB noise reduction.

6.3. Voice Navigation & Assistant

- **Activate Voice Assistant:** Long press the Multi-function Knob to activate your phone's voice assistant (Siri, Google Assistant, etc.).
- **Voice Navigation:** Once connected via Bluetooth, voice navigation prompts from your phone's map app will be broadcast through your car's speakers.

6.4. Charging Devices

The transmitter is equipped with multiple fast-charging ports:

- **QC3.0 USB Port:** Connect compatible devices for Quick Charge 3.0 fast charging.
- **PD 3.0 Type-C Port:** Connect compatible devices for Power Delivery 3.0 fast charging.

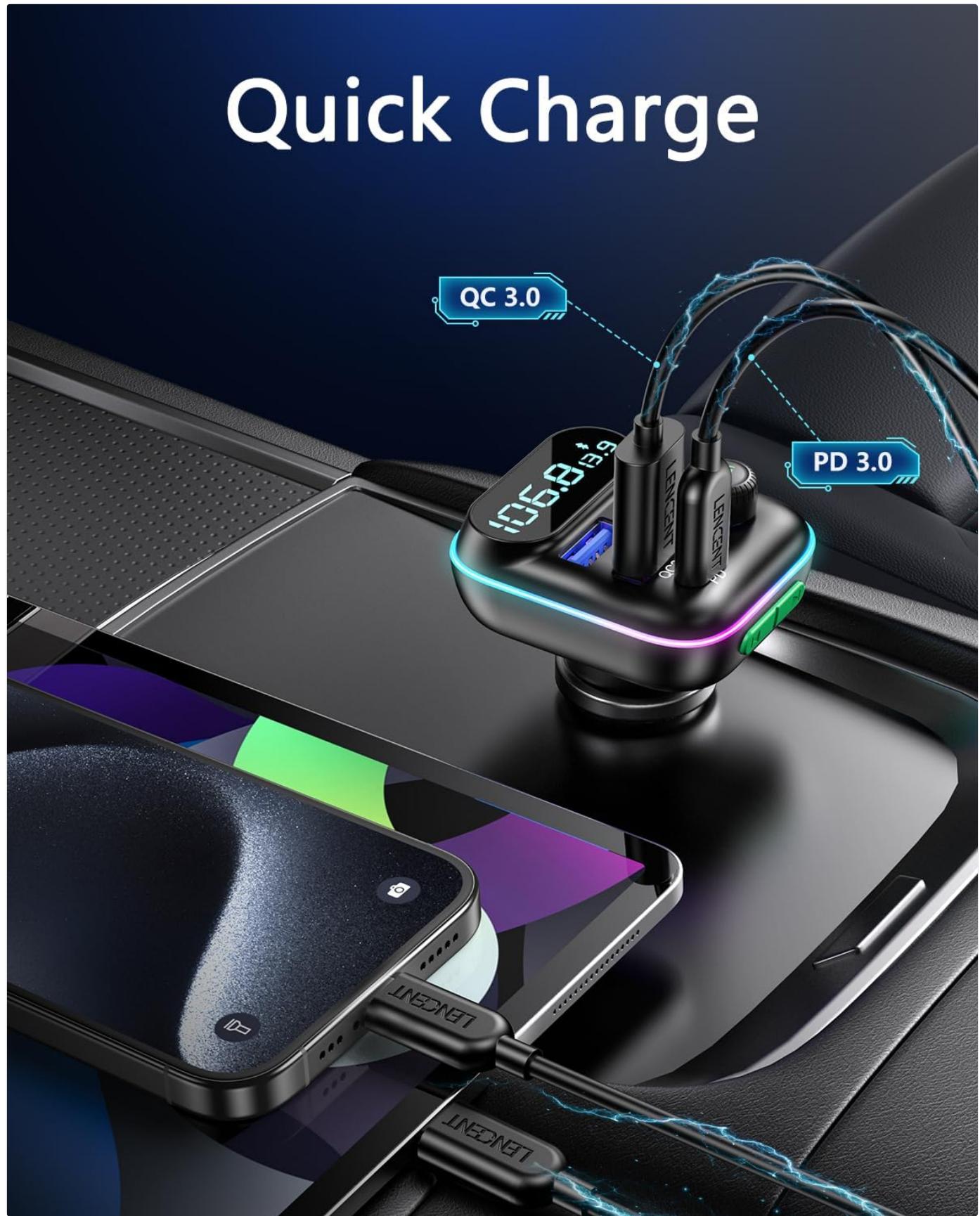


Image 6.3: The LENCENT FM Transmitter connected to a car's power outlet, simultaneously charging two smartphones via its QC3.0 and PD3.0 ports.

6.5. LED Light Control

The device features 9-color LED ambient lights:

- Press the Light Button to cycle through different colors (red, blue, green, yellow, purple, cyan, white, rainbow, rainbow flow).
- Press the Light Button again after cycling through all colors to turn the LED lights off.



Image 6.4: Depiction of the LENCENT FM Transmitter's LED light options, including single color, breathing rainbow, and light off modes.

7. MAINTENANCE

- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure the ports are free from dust and debris to maintain optimal charging and connectivity.
- Store the device in a cool, dry place when not in use for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/LED display off	Loose connection; Car cigarette lighter faulty; Car battery low.	Ensure the device is firmly plugged in. Check car's cigarette lighter with another device. Check car battery.
Static/Noise during playback	FM frequency interference; Volume too low/high; Strong radio signal nearby.	Find a clearer, unused FM frequency. Adjust volume on both transmitter and car radio. Move to a different location if possible.
Cannot pair via Bluetooth	Bluetooth not enabled on phone; Device not in pairing mode; Already connected to another device.	Ensure Bluetooth is on and visible on your phone. Restart the transmitter. Disconnect from other Bluetooth devices.
Poor call quality	Microphone obstruction; Background noise; Weak signal.	Ensure microphone is clear. Reduce car noise. Check phone signal strength.
Slow charging	Cable not fast-charge compatible; Device not supporting fast charge; Multiple devices charging.	Use a high-quality, fast-charge compatible cable. Ensure your device supports QC3.0/PD3.0. Charging multiple devices simultaneously may reduce individual charging speed.

9. SPECIFICATIONS

Feature	Detail
Brand	LENCENT
Model	T70
Connectivity Technology	Bluetooth 5.0, USB
Input Voltage	12-24V DC
USB Ports	1x QC3.0, 1x PD 3.0 Type-C, 1x USB Music Port
Output Wattage	18 Watts (QC3.0), 20 Watts (PD3.0)
Audio Output Type	Bluetooth, FM Radio
Supported Audio Formats	MP3 (from U Disk)
Special Features	Hands-Free Calls, Voice Navigation, 9-Color LED Ambient Lights, CVC Noise Cancelling
Dimensions	11.18 x 5.49 x 7.29 cm

Feature	Detail
Weight	44 g
Material	Plastic

10. WARRANTY AND SUPPORT

LENCENT products come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official LENCENT website. If you encounter any issues or have questions regarding your LENCENT FM Transmitter, please contact our customer support team. Details for contacting support can typically be found on our website or on the product packaging.

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Documents - LENCENT – T70



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Microsoft Office Anwender Covered equipment letter LENCENT Technology Co Ltd T70 FM Transmitter 2A9MJ 2A9MJT70 t70

Covered Equipment Attestation Letter For Certification Service in the USA Federal Communication Com ... the Commission s Rules 47 C.F.R. we attest as follows for the product listed below: FCC ID 2A9MJ-**T70** Model name **T70** We, applicant Company Name: Address: Phone: LENCENT Technology Co.,Ltd. Room...

lang:en score:30 filesize: 167.36 K page_count: 1 document date: 2023-10-07



[\[pdf\]](#) Test Report

Shenzhen Sunspring Electronics Co Ltd Keyboard OJWCG107C Violet Wang Test Report FM LENCENT Technology T70 Transmitter 2A9MJ 2A9MJT70 t70

Page 1 of 35 FCC ID: 2A9MJ-**T70** Report No.: LCSA09073049EB FCC TEST REPORT FOR LENCENT Technology Co.,Ltd. FM Transmitter Test Model: **T70**

Prepared for Address : LENCENT Technology Co.,Ltd. : Room1102, No 16 BaoNing Street, Tianhe District, 510520, Guangzhou Guangdong China Prepared by Address T...

lang:en score:30 filesize: 1.66 M page_count: 35 document date: 2023-10-07

LENCENT Technology Co.,Ltd.

Federal Communications Commission
Authorization and Evaluation Division
Application Processing Branch
7400 Dulles Valley Road
Columbia, MD 21046

10/08/2023

U.S. Agent Declaration

LENCENT Technology Co.,Ltd. acknowledges their consent for the following contact located in the United States to act as their agent for service of process for the equipment for which authorization is sought (FCC ID: 2A9MJ-T70).

Name and company of U.S. agent: FCC US Agent, LLC
Physical U.S. address of agent: 3722 Brooks Avenue, Saint Charles, IL, 60174, USA
Phone of U.S. agent: (708) 571-5145
Email address of U.S. agent: Report@FCCUSAgent.com
Phone of U.S. agent: (708) 571-5145

FCC US Agent, LLC acknowledges their obligation to accept service of process on behalf of LENCENT Technology Co.,Ltd.

LENCENT Technology Co.,Ltd. will let FCC US Agent, LLC to designate a person to act as agent for service of process in the United States or in any area that can also when the parties have previously arranged all marketing and distribution of the applicable equipment within the U.S., or the conclusion of any Commission rules, administrative or judicial proceeding involving the equipment, whichever is later.

By signing this form, we confirm the above and that we are aware of the applicable requirements listed under § 2.101(b)(1).

The information provided in this letter is based on the referenced sale parts of Title 47 of the CFR as well as 4326 section (10).

An expiration date for this letter does not exist. In case the U.S. agent changes, the grantee is obligated to notify the FCC within 30 days of the granting T70.

Sincerely,


Signature: DAMION WANG
Name: General Manager
Company: LENCENT Technology Co.,Ltd.


Signature: Tim Payne
Name: Manager
Company: FCC US Agent, LLC

2023-10-09 10:08:23 (UTC+08:00)

[pdf] Declaration of Conformity

Microsoft Word US Agent 2 911 d 7 2A9MJ T70 doc apple attestation letter LENCENT Technology Co Ltd 2A9MJT70 t70

LENCENT Technology Co.,Ltd. Federal Communications Commission Authorization and Evaluation Division ... eir agent for service of process for the equipment for which authorization is sought FCC ID: 2A9MJ-T70 : Name and company of U.S. agent:

Physical U.S. address of agent: FRN of U.S. agent: Email addr...

lang:en score:29 filesize: 166.79 K page_count: 1 document date: 2023-10-09



[pdf] Test Report

Shenzhen Sunspring Electronics Co Ltd Keyboard OJWCG107C Violet Wang Test Report BT LENCENT Technology T70 2A9MJ 2A9MJT70 t70

Page 1 of 34 FCC ID: 2A9MJ-T70 Report No.: LCSA09073049EA FCC TEST REPORT FOR LENCENT Technology Co.,Ltd. FM Transmitter Test Model: T70

Prepared for Address : LENCENT Technology Co.,Ltd. : Room1102, No 16 BaoNing Street, Tianhe District, 510520, Guangzhou Guangdong China Prepared by Address...
lang:en score:29 filesize: 1.12 M page_count: 34 document date: 2023-10-07

Confidentiality Request Letter
For Certification Service in the USA

Federal Communication Commission
Authorization and Evaluation Division, Application Processing Branch
7400 Dulles Valley Road
Columbia, MD 21046

To whom it may concern:

Pursuant to Paragraphs 0.457 and 0.459 of the Commission's Rules (47 CFR) and Section 652(b)(4) of the Freedom of Information Act, we request confidentiality for the documentation of the following products:

FCC ID: 2A9MJ-T70	Model name: t70
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For the products listed above, we request permanent confidentiality for all applicable exhibits as there are:

- The Operational Description
- The Block Diagram
- The Schematics

The above listed exhibits contain trade secrets and proprietary information that could be of benefit to our competitors.

If you have any questions, please feel free to contact us at the address shown below.

Sincerely,


Signature: Date: 2023-09-26

Name / Title: DAMION WANG / CEO
Company: LENCENT Technology Co.,Ltd.
Address: Room1102, No 16 BaoNing Street, Guangzhou, Guangdong, China
Phone: +86-13113695342
Fax: +86-13113695342
Email: 20230926@24.899999999999998.com

[pdf] Confidentiality Request Letter

Microsoft Office Anwender Confidentiality request letter LENCENT Technology Co Ltd T70 FM Transmitter 2A9MJ 2A9MJT70 t70

Confidentiality Request Letter For Certification Service in the USA Federal Communication Commission ... tion Act, we request confidentiality for the documentation of the following products: FCC ID 2A9MJ-T70 Model name T70 For the products listed above, we request permanent confidentiality for all app...
lang:en score:28 filesize: 158.95 K page_count: 1 document date: 2023-10-07

Page 1 of 35 FCC ID: 2A9MJ-MT03 Report No.: LCSA072423066EB

FCC TEST REPORT
FOR
LENCENT Technology Co.,Ltd.
Bluetooth FM Transmitter
Test Model: MT03
Additional Model No.: BC87, C57, BT93, T70, BC92

Prepared for Address : LENCENT Technology Co.,Ltd.
Room1102, No 16 BaoNing Street, Tianhe District, 510520, Guangzhou
Guangdong, China

Provided by Address : Shenzhen LCS Compliance Testing Laboratory Ltd
101, 201 Bldg A & 301 Bldg C, Juj Industrial Park, Yabianqiaozui, Shajing Street, Baoan District, Shenzhen, 518000, China
+86755-82591330
+86755-82591332
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www.lcs-cert.com

Tel : +86755-82591330
Fax : +86755-82591332
Web : www.lcs-cert.com
Mail : webmaster@lcs-cert.com

Date of receipt of test sample : July 24, 2023
Number of tested samples : 1
Serial No. : A072423066-1
Date of Test : July 24, 2023
Date of Report : August 01, 2023

Shenzhen LCS Compliance Testing Laboratory Ltd
Add: 101, 201 Bldg A & 301 Bldg C, Juj Industrial Park, Yabianqiaozui, Shajing Street, Baoan District, Shenzhen, 518000, China
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Scan code to check authority

[pdf] Test Report

Shenzhen Sunspring Electronics Co Ltd Keyboard OJWCG107C Violet Wang FM test report LENCENT Technology MT03 Bluetooth Transmitter 2A9MJ 2A9MJMT03 mt03

Page 1 of 35 FCC ID: 2A9MJ-MT03 Report No.: LCSA072423066EB FCC TEST REPORT FOR LENCENT Technology Co.,Ltd. Bluetooth FM Transmitter Test Model: MT03 Additional Model No.: BC87, C57, BT93, **T70**, BC92 Prepared for Address : LENCENT Technology Co.,Ltd. : Room1102, No 16 BaoNing Street, Tianhe Dist... lang:en **score:25** filesize: 2.19 M page_count: 35 document date: 2023-08-11

Page 1 of 34 FCC ID: 2A9MJ-MT03 Report No.: LCSA072423066EA

FCC TEST REPORT
FOR
LENCENT Technology Co.,Ltd.
Bluetooth FM Transmitter
Test Model: MT03
Additional Model No.: BC87, C57, BT93, T70, BC92

Prepared for Address : LENCENT Technology Co.,Ltd.
Room1102, No 16 BaoNing Street, Tianhe District, 510520, Guangzhou
Guangdong, China

Provided by Address : Shenzhen LCS Compliance Testing Laboratory Ltd
101, 201 Bldg A & 301 Bldg C, Juj Industrial Park, Yabianqiaozui, Shajing Street, Baoan District, Shenzhen, 518000, China
+86755-82591330
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Tel : +86755-82591330
Fax : +86755-82591332
Web : www.lcs-cert.com
Mail : webmaster@lcs-cert.com

Date of receipt of test sample : July 24, 2023
Number of tested samples : 1
Serial No. : A072423066-1
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Add: 101, 201 Bldg A & 301 Bldg C, Juj Industrial Park, Yabianqiaozui, Shajing Street, Baoan District, Shenzhen, 518000, China
+86755-82591330
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Email: webmaster@lcs-cert.com
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Scan code to check authority

[pdf] Test Report

Shenzhen Sunspring Electronics Co Ltd Keyboard OJWCG107C Violet Wang BT test report LENCENT Technology MT03 Bluetooth FM Transmitter 2A9MJ 2A9MJMT03 mt03

Page 1 of 34 FCC ID: 2A9MJ-MT03 Report No.: LCSA072423066EA FCC TEST REPORT FOR LENCENT Technology Co.,Ltd. Bluetooth FM Transmitter Test Model: MT03 Additional Model No.: BC87, C57, BT93, **T70**, BC92 Prepared for Address : LENCENT Technology Co.,Ltd. : Room1102, No 16 BaoNing Street, Tianhe Di... lang:en **score:23** filesize: 1 M page_count: 34 document date: 2023-08-11



[pdf] User Manual

User Manual liwen manual LENCENT Technology Co Ltd T70 FM Transmitter 2A9MJ 2A9MJT70 t70

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lang:en **score:23** filesize: 3.67 M page_count: 34 document date: 2023-10-07

Covered Equipment Identification Letter
For Certification Service in the USA

[pdf]

Microsoft Office Anwender Covered equipment identification letter LENCENT Technology Co Ltd T70 FM
Transmitter 2A9MJ 2A9MJT70 t70

Covered Equipment Identification Letter For Certification Service in the USA Federal
Communication Commission Equipment Authorization Division, Application
Processing Branch 7435 Oakland Mills Road Columbia, MD 21048 To whom it may
concern Pursuant to Section 2 911 d 5 ii of the Commission s R

lang:en score:23 filesize: 165.54 K page_count: 1 document date: 2023-10-07

RF Test Data for BT (Conducted Measurement)	
Product Name: FM Transmitter	
Test Model: 17D	
Environmental Conditions	
Temperature:	23.1°C
Relative humidity:	65.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Takao Hu
Supervised by:	Ling Zhu

[pdf]

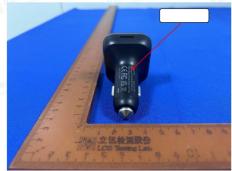
Tonscend Appendix A test data BT LENCENT Technology Co Ltd T70 2A9MJ 2A9MJT70 t70
Page 1 of 55 FCC ID: 2A9MJ-**T70** Report No.: LCSA 09073049EA Appendix A RF
Test Data for BT Conducted Measurement Product Name: FM Transmitter Test
Model: **T70** Temperature: Relative Humidity: ATM Pressure: Test Engineer:
Supervised by: Environmental Conditions 23.8 52.1 100.0 kPa Taylor Hu Li...
lang:en **score:20** filesize: 5.57 M page_count: 55 document date: 2023-10-07

[\[pdf\]](#) Test Report SAR Rating

User RF exposure evaluation LENCENT Technology Co Ltd T70 2A9MJ 2A9MJT70 t70
Page 1 of 4 FCC ID: 2A9MJ-T70 Maximum Permissible Exposure Report 1. Product
Information FCC ID EUT Test Model Power Supply Hardware Version Software
Version Bluetooth Frequency Range Channel Number Channel Spacing Modulation
Type Bluetooth Version Antenna Description Exposure category EUT Type ...
lang:en score:20 filesize: 399.21 K page count: 4 document date: 2023-10-07



[\[pdf\] Label](#)



Tian Label and label location LENCENT Technology Co Ltd T70 2A9MJ 2A9MJT70 t70

Page 1 of 1 LABEL AND LOCATION FCC ID: 2A9MJ-T70 FM Transmitter Model: **T70**

FCC ID: 2A9MJ-T70 Size: L: 4.0cm x W: 2.0cm Label Location Shenzhen LCS

Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen...

lang:en **score:20** filesize: 376.31 K page_count: 1 document date: 2023-10-07



[\[pdf\] Product Photos](#)



EXTERIOR PHOTOGRAPHS Tian External photos LENCENT Technology Co Ltd T70 2A9MJ 2A9MJT70 t70

Page 1 of 4 FCC ID: 2A9MJ-T70 External Photos of the EUT Fig. 1 Fig. 2 Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China Tel: 86 0755-82591330 E-mail: webmaster lcs-...

lang:en **score:19** filesize: 918.49 K page_count: 4 document date: 2023-09-25



[\[pdf\] Product Photos Teardown](#)

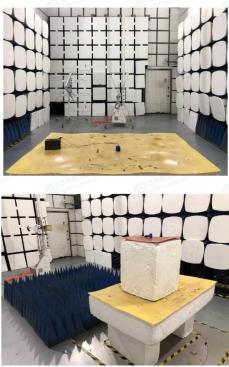


EXTERIOR PHOTOGRAPHS Tian Internal photos LENCENT Technology Co Ltd T70 FM Transmitter 2A9MJ 2A9MJT70 t70

Page 1 of 4 FCC ID: 2A9MJ-T70 Internal Photos of the EUT Fig. 1 Fig. 2 Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China Tel: 86 0755-82591330 E-mail: webmaster lcs-...

lang:en **score:19** filesize: 1.25 M page_count: 4 document date: 2023-10-07



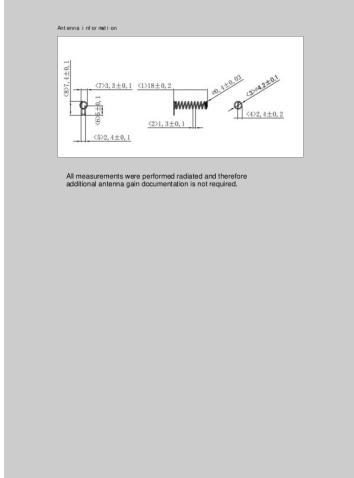


[pdf] Product Photos

Tian Test setup photos LENCENT Technology Co Ltd T70 FM Transmitter 2A9MJ 2A9MJT70 t70

Page 1 of 2 FCC ID: 2A9MJ-T70 Test Setup Photos of the EUT Test Setup Photo s of Radiated Emissions Measurement Fig. 1 Fig. 2 Shenzhen LCS Compliance Testing Laboratory Ltd. Add: 101, 201 Bldg A 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000,...

lang:tl score:19 filesize: 556.95 K page_count: 2 document date: 2023-10-07



[\[pdf\]](#) Documentation

CHEN Antenna information FM LENCENT Technology Co Ltd T70 Transmitter 2A9MJ 2A9MJT70 t70

Antenna information All measurements were performed radiated and therefore additional antenna gain documentation is not required. ...

lang:tl score:12 filesize: 98.6 K page_count: 1 document date: 2023-10-07