

LENCENT MT01

LENCENT FM Bluetooth 5.3 Transmitter User Manual

Model: MT01

INTRODUCTION

Thank you for choosing the LENCENT FM Bluetooth 5.3 Transmitter. This device is designed to enhance your in-car audio experience by providing seamless Bluetooth connectivity, hands-free calling, and fast charging capabilities. Please read this manual carefully to ensure proper use and optimal performance.

SAFETY INFORMATION

- Do not expose the device to excessive heat or humidity.
- Keep away from fire and open flames.
- Do not dispose of the battery in regular trash. Follow local regulations for battery disposal.
- Do not use the device while driving unless it is legal and safe to do so.
- Avoid using the device near other wireless devices to prevent interference.

PRODUCT OVERVIEW AND FEATURES

The LENCENT FM Bluetooth 5.3 Transmitter is packed with features to provide a superior audio and charging experience in your vehicle.

Cutting-edge Bluetooth 5.3 Technology

Equipped with the newest Bluetooth 5.3 chip, this transmitter ensures a faster and more stable connection for music streaming. It automatically reconnects to the last paired Bluetooth device, and its optimized antenna module significantly improves call quality.

Enhanced Bluetooth 5.3 Chip

More stable bluetooth connection with no latency
,better anti-interference performance



Faster Connection



More Stable Connection



Automatic Pairing

Image: Internal view of the LENCENT FM Bluetooth 5.3 Transmitter showing the enhanced Bluetooth 5.3 chip for stable connection.

Unique Hi-Fi Treble and Bass Control

Customize your audio experience with independent volume, bass, and treble controls. Adjust these settings to achieve your preferred sound profile. The device also features a color spectrum that auto-syncs with your music, adding a dynamic visual element.

Unique BASS & TREBLE Control

Scroll up or down to enjoy customize sound



Image: Close-up of the LENCENT FM Bluetooth 5.3 Transmitter highlighting the dedicated bass and treble control knobs.

PD 30W Fast Charging

Charge two devices simultaneously with the dual USB ports. The USB-C PD port delivers up to 30W, capable of fast-charging compatible smartphones and even some laptops. The additional USB port (5V/2.4A) can charge devices and read music files from a U disk (up to 64GB), supporting MP3, WMA, WAV, APE, and FLAC formats.

30W PD Fast Charging

Provide high-speed charging throughout your journey

⌚ 30min | ⬆ 85%



Image: The LENCENT FM Bluetooth 5.3 Transmitter connected to a car's power outlet, fast charging a smartphone via its PD 30W port.

Hands-free Calling & Navigation Broadcast

The built-in microphone, enhanced with CVC8.0 noise cancellation and Digital Signal Processor (DSP) technologies, ensures clear voice pickup for hands-free calls. Use the large MFB button to answer, redial, hang up, or reject calls. The device also supports broadcasting voice notifications from navigation apps and integrates with Siri/Google Assistant for smart voice control.

Better Hands-Free Calling

Easier operation to protect driving safety

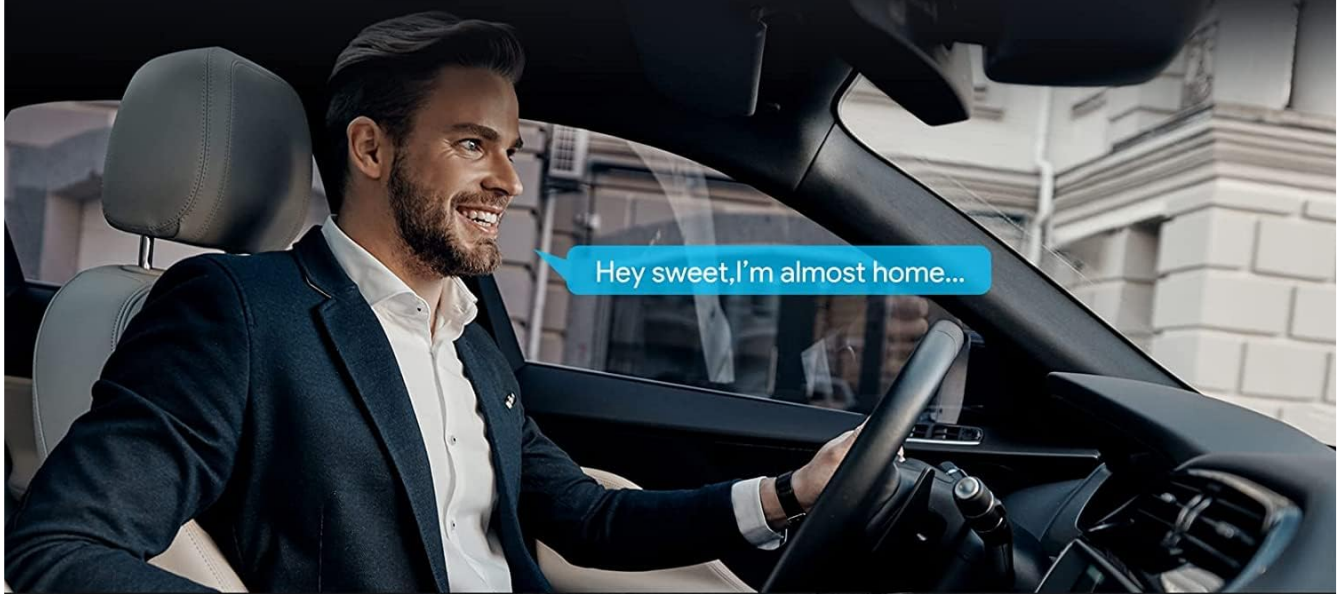


Image: A person driving, using the LENCENT FM Bluetooth 5.3 Transmitter for hands-free calling, with icons illustrating call functions.

Rotatable LED Screen

The 1.38-inch LED screen displays important information such as phone calls, FM channels, music details, and your car's battery voltage upon startup. Its 180° rotatable design allows for an adjustable viewing angle, ensuring easy access and readability.



Image: The LENCENT FM Bluetooth 5.3 Transmitter's LED screen displaying the car's battery voltage, demonstrating its rotatable feature.

SETUP GUIDE

1. **Insert into Car Cigarette Lighter:** Plug the LENCENT FM Bluetooth Transmitter into your car's 12V-24V 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.

2. **Find an Empty FM Frequency:** Tune your car's FM radio to an empty frequency (one with no broadcast signal, only static). This is crucial for clear audio.
3. **Match Transmitter FM Frequency:**
 - Press the "CH+" or "CH-" buttons on the transmitter to adjust its FM frequency to match the empty frequency you found on your car radio.
 - Alternatively, press and hold the "CH" button until the frequency flashes, then rotate the main knob to quickly adjust the frequency.
4. **Pair with Bluetooth Device:**
 - On your smartphone or Bluetooth-enabled device, enable Bluetooth and search for available devices.
 - Select "LENCENT MT01" from the list to pair. Once connected, the LED display will show "bt" or a Bluetooth icon.
 - You will hear a voice prompt confirming the successful connection.
5. **Start Music Playback:** Open your favorite music app on your paired device and start playing music. The audio will now be transmitted through your car's FM radio.



OPERATING INSTRUCTIONS

Music Playback

- **Bluetooth Streaming:** Once paired, music from your device will play through the car's speakers.
- **U Disk Playback:** Insert a U disk (USB flash drive) with music files (MP3, WMA, WAV, APE, FLAC) into the USB-A port. The device will automatically switch to U disk playback.
- **Volume Control:** Rotate the main knob to adjust the volume.
- **Next/Previous Track:** Use the "K<" and ">K" buttons to skip to the previous or next track.
- **Play/Pause:** Press the main knob (MFB button) to play or pause music.
- **Bass/Treble Adjustment:** Use the dedicated "BASS" and "TRE" knobs to fine-tune the bass and treble levels.



Hands-Free Calling

- **Answer Call:** Press the main knob (MFB button) once to answer an incoming call.
- **End Call:** Press the main knob (MFB button) once during a call to end it.
- **Reject Call:** Press and hold the main knob (MFB button) for 2 seconds to reject an incoming call.
- **Redial Last Number:** Double-press the main knob (MFB button) to redial the last dialed number.
- **Activate Voice Assistant (Siri/Google Assistant):** Press and hold the main knob (MFB button) for 3 seconds to activate your phone's voice assistant.

Charging Devices

- **PD 30W Port:** Use the USB-C PD port for fast charging compatible devices.
- **USB-A 2.4A Port:** Use the USB-A port for standard charging of devices or for U disk music playback.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Impact:** Do not drop or subject the device to strong impacts, as this may damage internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound or static interference.	FM frequency not clear or matched.	Find an empty FM frequency on your car radio and match the transmitter's frequency to it. Avoid frequencies with strong broadcast signals.
Bluetooth not connecting.	Device not in pairing mode, or already connected to another device.	Ensure Bluetooth is enabled on your phone. Forget "LENCENT MT01" from your phone's Bluetooth list and try pairing again. Restart both the transmitter and your phone.
Poor call quality.	Microphone obstruction or excessive background noise.	Ensure the microphone is not obstructed. Reduce car fan speed or window noise. The CVC8.0 noise cancellation should help, but extreme noise can still affect quality.
Charging is slow or not working.	Cable issue, device not compatible with fast charging, or power source issue.	Use a high-quality charging cable. Ensure your device supports PD fast charging for the USB-C port. Check if the car's cigarette lighter socket is providing power.

SPECIFICATIONS

- Model:** MT01
- Bluetooth Version:** 5.3
- FM Frequency Range:** 87.5-108 MHz
- Product Input:** DC 12-24V
- Wireless Distance:** Approximately 10 meters (33 feet)
- FM Transmitting Distance:** Approximately 3 meters (10 feet)
- USB-A Output:** 5V/2.4A (Supports U disk music reading)

Type-C Output (PD): 30W Max (Supports PPS/PD3.0/QC3.0/AFC/FCP charging protocols)

Total Product Power: 32W

Material: Plastic

Product Dimensions: 4.53 x 2.05 x 1.57 inches (11.5 x 5.2 x 4 cm)

Item Weight: 4.2 ounces (119 grams)

Manufacturer: LENCENT Technology Co.,Ltd.







Image: The underside of the LENCENT FM Bluetooth 5.3 Transmitter, displaying its model number (MT01) and electrical input specifications.

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 product or visit the official LENCENT website. If you encounter any issues or require technical assistance, please contact LENCENT customer support through their official channels. Contact information can typically be found on the product packaging or the brand's website.

For further assistance, you may visit the [LENCENT Store on Amazon](#).

Related Documents

	<p>LENCENT BT23 Bluetooth FM Transmitter User Manual</p> <p>Comprehensive user manual for the LENCENT BT23 Bluetooth FM Transmitter, detailing installation, features, music playback, phone calls, charging, and troubleshooting.</p>
	<p>LENCENT T25M FM Transmitter User Manual and Specifications</p> <p>Comprehensive guide for the LENCENT T25M FM Transmitter, covering setup, operation, troubleshooting, and technical specifications. Learn how to connect via Bluetooth, play music from USB/SD cards, and utilize charging ports.</p>
	<p>LENCENT T25A Bluetooth FM Transmitter User Manual and Guide</p> <p>Comprehensive user manual for the LENCENT T25A Bluetooth FM Transmitter. Learn how to set up, operate, and troubleshoot this car audio device for seamless music playback and hands-free calls, including specifications and safety information.</p>
	<p>LENCENT Bluetooth FM Transmitter User Manual</p> <p>Comprehensive user manual for the LENCENT Bluetooth FM Transmitter, covering features, operation, and specifications for hands-free calling and audio streaming in vehicles.</p>

Documents - LENCENT – MT01



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Microsoft Office Anwender Covered equipment letter LENCENT Technology Co Ltd MT01 2A9MJ 2A9MJMT01 mt01

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-**MT01** Model name **MT01** We, applicant Company Name: Address: Phone: LENCENT Technology Co.,Ltd. Ro... lang:en score:34 filesize: 167.35 K page_count: 1 document date: 2023-10-08



[pdf] Test Report

Shenzhen Sunspring Electronics Co Ltd Keyboard OJWCG107C Violet Wang Test Report FM LENCENT Technology MT01 2A9MJ 2A9MJMT01 mt01

Page 1 of 35 FCC ID: 2A9MJ-**MT01** Report No.: LCSA09073048EB FCC TEST REPORT FOR LENCENT Technology Co.,Ltd. FM Transmitter Test Model: **MT01** Prepared for Address : LENCENT Technology Co.,Ltd. : Room1102, No 16 BaoNing Street, Tianhe District, 510520, Guangzhou Guangdong China Prepared by Address... lang:en score:34 filesize: 1.67 M page_count: 35 document date: 2023-10-07



[pdf] Test Report

Shenzhen Sunspring Electronics Co Ltd Keyboard OJWCG107C Violet Wang Test Report BT LENCENT Technology MT01 2A9MJ 2A9MJMT01 mt01

Page 1 of 34 FCC ID: 2A9MJ-**MT01** Report No.: LCSA09073048EA FCC TEST REPORT FOR LENCENT Technology Co.,Ltd. FM Transmitter Test Model: **MT01** Prepared for Address : LENCENT Technology Co.,Ltd. : Room1102, No 16 BaoNing Street, Tianhe District, 510520, Guangzhou Guangdong China Prepared by Address... lang:en score:32 filesize: 1.12 M page_count: 34 document date: 2023-10-07



[pdf] Declaration of Conformity

Microsoft Word US Agent 2 911 d 7 2A9MJ MT01 doc apple attestation letter LENCENT Technology Co Ltd 2A9MJMT01 mt01

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-**MT01** : Name and company of U.S. agent: Physical U.S. address of agent: FRN of U.S. agent: Email add...

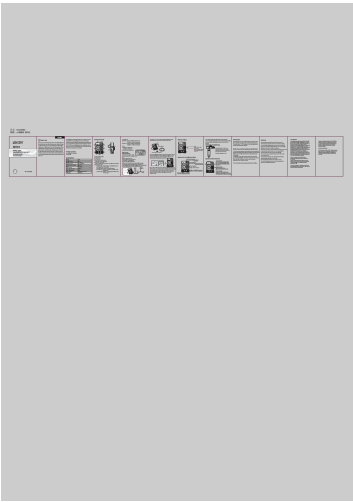
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[pdf] Confidentiality Request Letter

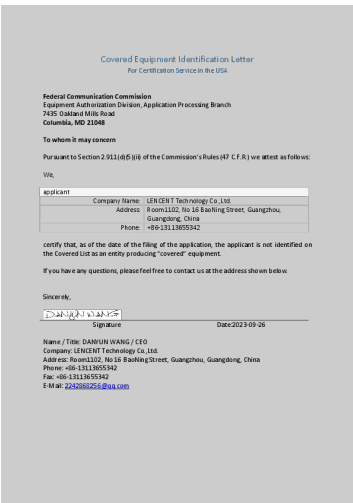
Microsoft Office Anwender Confidentiality request letter LENCENT Technology Co Ltd MT01 2A9MJ 2A9MJMT01 mt01

Confidentiality Request Letter For Certification Service in the USA Federal Communication Commissio ... tion Act, we request confidentiality for the documentation of the following products: FCC ID 2A9MJ-**MT01** Model name **MT01** For the products listed above, we request permanent confidentiality for all a... lang:en score:32 filesize: 158.96 K page_count: 1 document date: 2023-10-08



LENCENT MT01 USB Charger User Manual

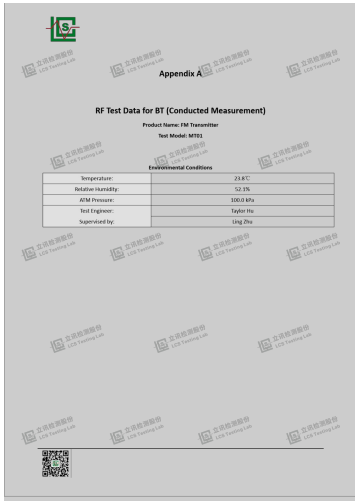
Comprehensive user manual for the LENCENT MT01 USB charger, detailing features, specifications, and usage instructions for this 2A9MJ-MT01 device. lang:en score:25 filesize: 1.29 M page_count: 1 document date: 2023-10-09



[pdf]

Microsoft Office Anwender Covered equipment identification letter LENCENT Technology Co Ltd MT01 2A9MJ 2A9MJMT01 mt01

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:25 filesize: 165.53 K page_count: 1 document date: 2023-10-08



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Tonscend Appendix A test data BT LENCENT Technology Co Ltd MT01 2A9MJ 2A9MJMT01 mt01
Page 1 of 55 FCC ID: 2A9MJ-**MT01** Report No.: LCSA 09073048EA Appendix A RF
Test Data for BT Conducted Measurement Product Name: FM Transmitter Test
Model: **MT01** Temperature: Relative Humidity: ATM Pressure: Test Engineer:
Supervised by: Environmental Conditions 23.8 52.1 100.0 kPa Taylor Hu ...
lang:en score:24 filesize: 5.57 M page_count: 55 document date: 2023-10-07



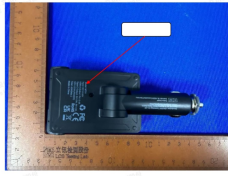
[pdf] Test Report SAR Rating

User RF exposure evaluation LENCENT Technology Co Ltd MT01 2A9MJ 2A9MJMT01 mt01
Page 1 of 4 FCC ID: 2A9MJ-**MT01** 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:23 filesize: 401.1 K page_count: 4 document date: 2023-10-07



[pdf] Product Photos Teardown

EXTERIOR PHOTOGRAPHS Tian Internal photos LENCENT Technology Co Ltd MT01 2A9MJ
2A9MJMT01 mt01
Page 1 of 5 FCC ID: 2A9MJ-**MT01** 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:23 filesize: 1.46 M page_count: 5 document date: 2023-10-07



[\[pdf\]](#) Label

Tian Label and label location LENCENT Technology Co Ltd MT01 2A9MJ 2A9MJMT01 mt01

Page 1 of 1 LABEL AND LOCATION FCC ID: 2A9MJ-**MT01** FM Transmitter Model:

MT01 FCC ID: 2A9MJ-**MT01** 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, Shenz...

lang:en **score:23** filesize: 369.37 K page_count: 1 document date: 2023-10-07



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

EXTERIOR PHOTOGRAPHS Tian External photos LENCENT Technology Co Ltd MT01 2A9MJ

2A9MJMT01 mt01

Page 1 of 4 FCC ID: 2A9MJ-**MT01** 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...

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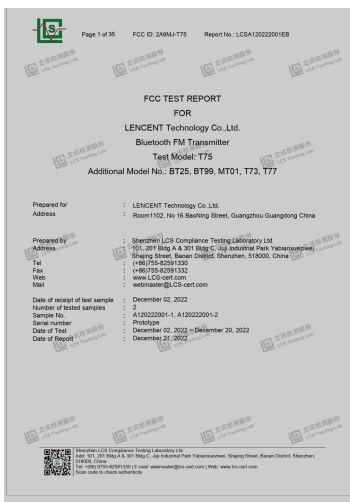


[\[pdf\]](#) Product Photos

Tian Test setup photos LENCENT Technology Co Ltd MT01 2A9MJ 2A9MJMT01 mt01

Page 1 of 2 FCC ID: 2A9MJ-**MT01** 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:23** filesize: 554.63 K page_count: 2 document date: 2023-10-07



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

Shenzhen Sunspring Electronics Co Ltd Keyboard OJWCG107C Violet Wang FM Test Report LENCENT Technology T75 2A9MJ 2A9MJT75 t75

Page 1 of 35 FCC ID: 2A9MJ-T75 Report No.: LCSA120222001EB FCC TEST REPORT FOR LENCENT Technology Co.,Ltd. Bluetooth FM Transmitter Test Model: T75 Additional Model No.: BT25, BT99, **MT01**, T73, T77 Prepared for Address : LENCENT Technology Co.,Ltd. : Room1102, No 16 BaoNing Street, Guangzhou Gua...

lang:en **score:22** filesize: 2.14 M page_count: 35 document date: 2022-12-30

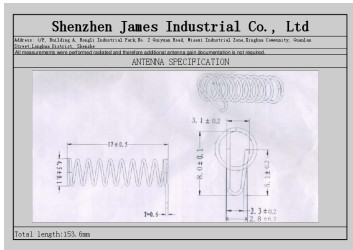


[\[pdf\]](#) Test Report

Shenzhen Sunspring Electronics Co Ltd Keyboard OJWCG107C Violet Wang BT Test Report LENCENT Technology T75 2A9MJ 2A9MJT75 t75

Page 1 of 34 FCC ID: 2A9MJ-T75 Report No.: LCSA120222001EA FCC TEST REPORT FOR LENCENT Technology Co.,Ltd. Bluetooth FM Transmitter Test Model: T75 Additional Model No.: BT25, BT99, **MT01**, T73, T77 Prepared for Address : LENCENT Technology Co.,Ltd. : Room1102, No 16 BaoNing Street, Guangzhou Gua...

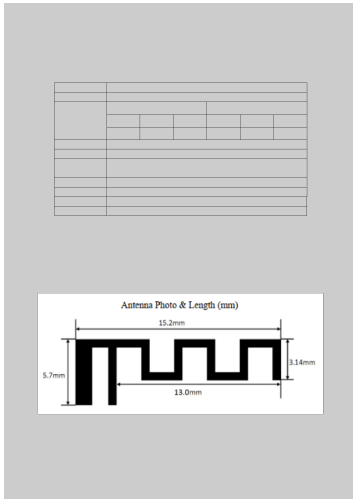
lang:en **score:20** filesize: 1.08 M page_count: 34 document date: 2022-12-30



[pdf] Specifications Documentation

FM ANT xls Administrator Antenna information LENCENT Technology Co Ltd MT01 2A9MJ 2A9MJMT01 mt01

Shenzhen James Industrial Co., Ltd Address: 4/F, Building A, Rongli Industrial Park, No. 2 Guiyuan Road, Miaoxi Industrial Zone, Xinghua Community, Guanlan Street, Longhua District, Shenzhen All measurements were performed radiated and therefore additional antenna gain documentation is not required. ANT... lang:en score:13 filesize: 63.73 K page_count: 1 document date: 2023-10-08



[pdf] Specifications Declaration of Conformity

Microsoft Word ANTENNA SPECIFICATION doc Administrator Antenna information BT LENCENT Technology Co Ltd MT01 2A9MJ 2A9MJMT01 mt01

ANTENNA SPECIFICATION Summary ITEM Model Name Center Frequency MAX. Gain Polarization Azimuth Beam Pattern Impedance Antenna Length Manufacture Address Horizontal ANT SPEC 2.4G ANT Vertical 2400MHz 2400MHz 2500MHz 2400MHz 2400MHz 2500MHz -1.73 -0.84 -0.68 -6.15 -0.68 Horizontal and Vertica... lang:de score:13 filesize: 1.06 M page_count: 3 document date: 2023-10-08



[pdf] Declaration of Conformity Test Report SAR Rating

User RF Exposure MPE FCC LENCENT Technology Co Ltd T75 2A9MJ 2A9MJT75 t75

Page 1 of 4 FCC ID: 2A9MJ-T75 Maximum Permissible Exposure Report 1. Product Information FCC ID ... Exposure category EUT Type Device Type : 2A9MJ-T75 : Bluetooth FM Transmitter : T75 : BT25, BT99, **MT01**, T73, T77 : PCB board, structure and internal of these model s are the same, So no additional ... lang:en score:13 filesize: 344.85 K page_count: 4 document date: 2022-12-30