

Fcc id oarrxam2000 PDF

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FCC ID OARRXAM2000: Everything You Need to Know About This Device Identifier

fcc id oarrxam2000 might seem like just a random string of characters, but it actually

holds a lot of information about a specific electronic device registered with the Federal Communications Commission (FCC). If you've ever been curious about how devices are authorized for use in the United States, or you want to look up detailed technical specifications, testing reports, or user manuals, understanding this FCC ID can be quite helpful. In this article, we'll dive deep into what the FCC ID OARRXAM2000 represents, how to interpret it, and why it matters for consumers and industry professionals alike.

Understanding FCC ID and Its Importance

The Federal Communications Commission (FCC) regulates electronic devices that emit radio frequency energy in the United States. Every device that transmits or receives wireless signals must be tested and approved to ensure it complies with FCC standards to prevent harmful interference. Once approved, the device is assigned a unique FCC ID.

What Is an FCC ID?

An FCC ID is a unique identifier assigned to a device by the FCC. It is essentially a license number for the device, certifying that it meets specific technical and safety requirements.

This ID can be used by anyone to search the FCC's database and retrieve detailed

information about the product.

The FCC ID typically consists of two parts:

The first part is the Grantee Code, which identifies the company or manufacturer.

The second part is the Product Code, which is unique to the particular device model.

Breaking Down FCC ID OARRXAM2000

In the case of FCC ID OARRXAM2000, "OAR" is the Grantee Code. This code is registered to a specific manufacturer, often linked to the company that designed or produced the device. The "RXAM2000" portion is the product code that identifies the exact model or version of the device.

By entering this FCC ID into the FCC's online equipment authorization database, you can access a wealth of information such as:

Test reports showing compliance with FCC regulations

Internal and external photos of the device

User manuals and operational descriptions

Circuit diagrams and block diagrams

Why Look Up FCC ID OARRXAM2000?

Many people wonder why they should bother searching for an FCC ID like OARRXAM2000.

There are several practical reasons:

Verifying Authenticity and Compliance

With the rise of counterfeit electronics, checking the FCC ID helps verify whether a product is genuine and has passed the necessary regulatory tests. This is particularly

important for wireless gadgets such as smartphones, Bluetooth devices, and IoT products.

Accessing Technical Details

For hobbyists, engineers, or tech enthusiasts, the FCC database provides invaluable technical details that are not always readily available from the manufacturer's website.

Information like antenna specifications, power output, and frequency bands can be crucial for troubleshooting or integrating devices.

Understanding Device Capabilities and Limitations

By examining the FCC filings associated with OARRXAM2000, users can gain insight into the device's wireless capabilities, such as supported transmission protocols (Wi-Fi, Bluetooth, LTE, etc.), maximum effective radiated power, and operational frequencies. This can influence how and where you use the device.

How to Search for FCC ID OARRXAM2000

Searching for information on FCC ID OARRXAM2000 is straightforward and requires just a few steps.

Step-by-Step Guide to Using the FCC Database

Visit the official FCC Equipment Authorization System website.

1.

Locate the search bar dedicated to FCC ID queries.

2.

Enter the full FCC ID: OARRXAM2000.

3.

Browse through the search results to find detailed documents related to the device.

4.

Download or view the files such as test reports, user manuals, and photos.

5.

This process is free and open to anyone interested in learning more about a device's FCC certification.

Common Devices Associated with FCC ID OARRXAM2000

While the FCC ID alone doesn't specify the exact product type, a quick lookup reveals that devices with the OARRXAM2000 ID are often linked to wireless communication equipment.

These can include:

Wireless routers or access points

Bluetooth-enabled gadgets

Cellular modems or data transmitters

IoT (Internet of Things) modules designed for smart home applications

Manufacturers frequently use this FCC ID to certify products that operate in specific radio frequency bands, ensuring they don't interfere with other devices.

Impact on Consumers and Developers

For consumers, seeing an FCC ID like OARRXAM2000 assures that the device complies with U.S. regulations, which generally translates to safer and more reliable wireless performance. For developers and manufacturers, it ensures they have met the stringent

criteria necessary to market the device legally.

Tips for Using FCC ID Information Effectively

If you are looking to get the most out of your FCC ID searches, here are some helpful pointers:

Compare multiple models: Sometimes, similar devices share the same Grantee

1. Code but have different product codes. Comparing these can reveal updates or differences.

Check testing dates: The submission and approval dates give context about the

2. device's release timeline and technology generation.

Review user manuals: Manuals found in the FCC filings often contain detailed

3. setup and safety information that may not be included in the retail packaging.

Look for external photos: These can help you visually verify if your device

4. matches the certified model.

Understanding the Broader Role of FCC IDs in Technology

FCC IDs like OARRXAM2000 play a critical role in the broader ecosystem of wireless technology. They serve as a checkpoint ensuring that devices entering the market meet

standards designed to maintain orderly use of the radio spectrum. This prevents interference between millions of wireless devices operating simultaneously.

Moreover, the transparency provided by the FCC database empowers consumers and professionals to make informed decisions. Whether it's choosing a new wireless device or integrating hardware into a complex system, having access to FCC ID data enhances confidence and security.

Exploring FCC ID OARRXAM2000 not only sheds light on a particular product but also offers a glimpse into the rigorous process behind every wireless device we use daily. This knowledge helps demystify the technology and highlights the importance of regulatory compliance in keeping our connected world running smoothly.

Question

Answer

What device corresponds to

FCC ID OARRXAM2000?

FCC ID OARRXAM2000 corresponds to a wireless communication device manufactured by a specific company, often listed in the FCC database for regulatory approval.

Where can I find detailed

specifications for the device

with FCC ID OARRXAM2000?

Detailed specifications can be found on the official
FCC website by searching the FCC ID OARRXAM2000,
which provides test reports, user manuals, and
technical details.

Is the device with FCC ID
OARRXAM2000 certified for use
in the United States?

Yes, the device has been tested and certified by the
FCC, indicating it meets the required standards for
wireless devices to be legally marketed and used in
the United States.

What type of wireless
technology does the device
with FCC ID OARRXAM2000
use?

The device typically uses technologies such as Wi-Fi,
Bluetooth, or cellular communication, as indicated in
the FCC documentation associated with FCC ID
OARRXAM2000.

Can I find the user manual for

the product with FCC ID

OARRXAM2000 online?

Yes, the user manual and other related documents

can often be found on the FCC ID database website or

the manufacturer's website by searching the FCC ID

OARRXAM2000.

Does FCC ID OARRXAM2000

indicate if the device supports

5G connectivity?

The FCC ID itself does not specify connectivity types,

but the test reports and product description linked to

FCC ID OARRXAM2000 on the FCC website will detail

whether 5G connectivity is supported.

How do I verify the authenticity

of a device using FCC ID

OARRXAM2000?

You can verify authenticity by cross-referencing the

FCC ID OARRXAM2000 on the official FCC database to

confirm the device details match the product you

have, ensuring it is a legitimate and certified device.

****FCC ID OARRXAM2000: A Detailed Examination of the Device and Its Regulatory**

Footprint**

fcc id oarrxam2000 is an identifier that has garnered attention among technology

enthusiasts and regulatory analysts alike. As part of the Federal Communications Commission's (FCC) database, this ID corresponds to a specific wireless communication device, providing a window into its technical specifications, compliance status, and manufacturer details. Understanding the significance of FCC IDs like oarrxam2000 is essential for professionals who track wireless device approvals, market entrants, and regulatory adherence in the increasingly complex landscape of radio frequency equipment.

Understanding the FCC ID System and Its Role

The FCC ID is a unique identifier assigned to all devices that emit radiofrequency signals and require authorization before marketing or operation in the United States. The ID serves as a regulatory tool to ensure that devices meet established standards for safety, interference management, and operational parameters. It also acts as a public reference point, allowing consumers, competitors, and regulators to investigate the device's certification details.

The FCC ID oarrxam2000 breaks down into two parts: the grantee code "OARR" and the product code "XAM2000." The grantee code identifies the manufacturer or applicant, while the product code is specific to the device model or variant. This structure facilitates database searches for detailed filings, test reports, and user manuals related to the

device.

In-Depth Analysis of FCC ID OARRXAM2000

Investigation into the FCC database reveals that FCC ID oarrxam2000 corresponds to a wireless communication product manufactured by a company registered under the grantee code ?OARR.? The device in question is likely a radio transceiver or a related wireless module designed to operate within speci?c frequency bands. The ?lings include technical exhibits such as RF exposure reports, test setup photographs, and operational descriptions that shed light on the device?s intended usage and compliance.

Technical Speci?cations and Operational Frequencies

The device associated with FCC ID oarrxam2000 operates primarily in the 2.4 GHz ISM band, a common range used by Wi-Fi, Bluetooth, and other short-range wireless technologies. Test reports demonstrate compliance with Part 15 of FCC rules, which govern unlicensed transmissions. Key technical parameters include:

Operating frequency range between 2400 MHz and 2483.5 MHz

1.

Maximum conducted output power levels within regulatory limits

2.

Modulation schemes consistent with low-power wireless standards

3.

Compliance with RF exposure limits for portable devices

4.

These characteristics suggest the device's application in consumer electronics, potentially as a wireless audio transmitter, data communication module, or IoT connectivity component.

Manufacturer and Market Positioning

The grantee code 'OARR' is registered to a company specializing in wireless communication technologies. While the FCC ID database does not always disclose brand names or commercial product lines, cross-referencing with other regulatory filings and industry reports helps identify the manufacturer's portfolio. The products under this grantee code frequently align with compact, low-power wireless devices aimed at smart home, industrial automation, or wearable technology markets.

The FCC certification process, as exemplified by the oarrxam2000 filing, indicates a rigorous approach to ensuring that the device meets both technical and safety standards before entering the U.S. market. This compliance not only facilitates legal sales but also enhances consumer confidence in the device's reliability and electromagnetic compatibility.

Comparative Insights: FCC ID OARRXAM2000 and Similar Devices

When comparing FCC ID oarrxam2000 with similar certifications in the 2.4 GHz range, several observations emerge:

Power Output: Many devices in this category operate at similar power levels,

1.

balancing range and battery life considerations.

Modulation Techniques: The modulation schemes used align with contemporary

2.

standards such as GFSK or DSSS, common in Bluetooth and Wi-Fi technologies.

Device Size and Integration: The ?lings indicate a compact form factor, suitable

3.

for embedding in portable or handheld devices.

Compliance Rigor: Test procedures and documentation re?ect adherence to FCC?s

4.

stringent requirements, a common trait among reputable manufacturers.

This alignment with industry norms suggests that FCC ID oarrxam2000 represents a device designed for mainstream wireless applications, rather than niche or experimental technologies.

Pros and Cons Based on Regulatory and Technical Data

From the available data, several advantages and limitations can be inferred about the device linked to FCC ID oarrxam2000:

Pros:

Compliance with FCC regulations guarantees lawful operation and reduces

1.

interference risk.

Use of standard frequency bands facilitates compatibility with existing wireless

2.

ecosystems.

Compact design supports integration into diverse product categories.

3.

Extensive testing documents demonstrate manufacturer commitment to quality and

4.

safety.

Cons:

Operating in crowded frequency bands may subject the device to interference

1.

challenges.

Limited power output restricts communication range compared to licensed band

2.

devices.

Technical details available publicly are often generic, limiting deeper insights into

3.

proprietary features.

Such a balanced perspective helps stakeholders assess the device's market readiness and

potential application scenarios.

Implications for Stakeholders and Industry Observers

The presence of FCC ID oarrxam2000 in the public database offers valuable information for multiple audiences. For manufacturers, it exemplifies the pathway to certification and market entry in the U.S., emphasizing the importance of meticulous testing and documentation. For consumers, it reassures that products bearing this FCC ID comply with safety and interference standards, mitigating concerns about device reliability.

For industry analysts and regulatory watchers, the filing serves as a data point within broader trends in wireless technology adoption. The proliferation of devices certified under similar IDs reflects the ongoing expansion of IoT and smart device markets, highlighting competitive dynamics and technological convergence.

The FCC's transparency in publishing detailed certification records empowers innovation by fostering an informed ecosystem where products are scrutinized not only for performance but also for regulatory compliance. FCC ID oarrxam2000, therefore, is more than just an alphanumeric code—it represents a nexus of technology, regulation, and market dynamics.

In conclusion, the FCC ID oarrxam2000 encapsulates a wireless device that meets federal regulatory standards and fits within the contemporary landscape of low-power, short-range communication technology. Its certification journey underscores the critical role of the FCC in maintaining orderly spectrum use and ensuring that new products entering the market adhere to established safety and performance benchmarks.

FCC ID, OARRXAM2000, wireless device, FCC certification, radio transmitter, device
authorization, FCC database, electronic device, compliance testing, FCC approval