

Type Certificate

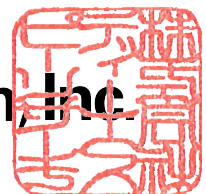
Certified to	Quectel Wireless Solutions Co.,Ltd.
Type of Equipment	Leased line or Digital data transmission terminal equipment Equipment for which only the Terminal Equipment Regulations, Article 9 (Terminal equipment using radio waves) applies
Name of Equipment	RM520N-GL
Development Equipment Name	
Certified Number	D220138003
Certified Date	September 30, 2022
Remarks	No.22-2143



This is to certify that the above mentioned equipment has been approved technical conditions compliance design in accordance with the provisions of Article 56, Paragraph 1 of the Telecommunication Business Law.

September 30, 2022

DSP Research, Inc.



DSP Research, Inc.



Important - Read This First -

1. Marking of terminal equipment based on type certification

- Certification label, technical conformity mark (GITEKI mark), etc. -

According to Article 58 of the Telecommunications Business Law (hereinafter referred to as the Law), when the certified dealer fulfills the obligation specified in Article 57 of the Law, he/she is allowed to display the conformity mark on the terminal equipment, declaring that it has received the type certification.

Entities who have received a type certification from DSP Research are defined as a “certified dealer” under the Telecommunications Business Law.

The details of the conformity mark as described in Form No.7 of the Rules Concerning the Technical Conditions Compliance Approval for Terminal Equipment (hereinafter referred to as “Approval Ordinance”) and referenced in Article 22 of the Approval Ordinance, and can be found below.

It is specified when displaying the conformity mark, “it shall be affixed at a readily visible location on the terminal equipment based on a type certification”. For terminal equipment in which it is unreasonable or difficult to affix the conformity mark - such as the equipment being temporarily installed or built into another product- the conformity mark should be affixed to a readily visible location on the specified radio equipment, such as the user’s manual and package or container. Alternatively, the law allows that the conformity mark may be electronically shown on the equipment’s display as stated here: “it (the conformity mark) shall be recorded using an electronic visual display method on the specified radio equipment based on a certified construction type, and shall be able to be immediately displayed clearly on the image screen of the applicable specified radio equipment”. When electing this type of display it is necessary to attach documentation stating the conformity mark is visually electronically displayed with a description detailing the display method.

As a result of the revision of the law in “February 8, 2019”, a new method of electronic display was added, and it became possible to display the conformity mark on the image screen of the product to which the terminal equipment was connected.

Also, according to the amended Ordinance by Order 68 of the Ministry of Internal Affairs and Communications (Effective on September 1, 2014), the dealer handling a product having built-in terminal equipment with an applicable mark can affix the same conformity mark as the terminal equipment on the product.

*The “terminal equipment based on a certified type” means the “Mini-PCI board” when it is installed into another product for use such as Mini-PCI boards, or means the “housing” when it can be used as stand-alone terminal equipment with a housing such as an ADSL modem.

The “Technical Requirements certified type number (LXXYYYYY003)”, while not government issued, indicates DSP Research certified the terminal equipment against technical conditions as are defined by a telecommunications carrier, authorized by the Ministry of Internal Affairs and Communications in accordance with Article 52-1 of the Law. The Technical Requirements certified type number should be affixed to the applicable terminal equipment. The display methods specified in Form No. 7 are summarized below:

Examples:



The technical conformity mark must be **easily identifiable size.**

(Effective on February 8, 2019: "Minimum diameter" abolished)



The mark indicates the certification by the Telecommunications

Business Law. There is no regulation about the size, font, and color but it must be distinguished.

Please list the certification number (e.g. “ADXXYYYYY003”) as provided by DSP Research at the time of certification. When printing on labels, please use a material that is not easily damaged.

The number “LXXYYYYY003” signifies that DSP Research has certified the equipment against the carrier technical conditions and issued an approval number. This number must also be used at the time of certification.

If displaying only the certification for carrier technical conditions, display the “LXXYYYYY003” number only and do not display a  mark and a  mark.



DSP Research, Inc.

2. Fulfill the Obligation to Conform to Type Certification

- Pre-shipping inspection of products and the preparation and retention of inspection records -

Article 57 of the Law stipulates that a certified dealer shall fulfill obligation to conform to type certification. Before shipping the certified product, certified dealer shall “inspect” to make sure the product has performance identical to that of the certified type. Certified dealer must then “make record of the inspection results” and “retain the inspection records for 10 years.”

The “Marking of terminal equipment based on a certified type” as described in Paragraph 1 above can be performed only after going through these three steps of “inspection,” “recording” and “retention” otherwise known as “obligation for retention of the inspection records”. The certification mark on the product signifies that product meets both: the obligation to conform with the certified type, and the obligation for retention of the inspection records.

The Ministry of Internal Affairs and Communications can prohibit the certified dealer from affixing the conformity mark on the terminal equipment (Article 60 of the Law, Prohibition of Affixing the Mark) if the certified dealer fails to meet any of the following: obligation to conform with the type certification resulting in terminal equipment interfering with communications of other users of the communication circuits, or fulfillment of obligation for retention of the inspection records.

Any person found in violation of the orders from the Ministry of Internal Affairs and Communications in accordance with Article 54 (Order to Prevent Disturbance) and/or Article 60-1 (Prohibition of Affixing the Mark) is subject to penalties including imprisonment with work for up to one year or fine of up to 1,000,000 yen in accordance with Article 181 of the Law. Any corporation found in violation of provisions in Article 181 of the Law shall be fined up to 100,000,000 yen under Article 190 of the Law.

3. Excerpts from related laws

• Telecommunications Business Law

(Obligations to Coincide with Type)

Article 57

1. Any entity who has obtained a type certification for terminal equipment from a registered approval agency (hereinafter referred to as a "certified dealer") shall, when dealing with terminal equipment based on the type pertaining to said type certification for terminal equipment (hereinafter referred to as a "certified type"), make said terminal equipment coincide with said certified type.
2. Any certified dealer shall, in accordance with the method for confirmation pertaining to the certification of type of terminal equipment, inspect terminal equipment of the preceding paragraph pertaining to the dealing, as specified in the applicable ministerial ordinance of the MIC*, make the inspection record thereon and keep thereof.

*Article 21 of approval ordinance

(Mark of Terminal Equipment Based on a Certified Type)

Article 58

Upon fulfilling the obligations specified in the provisions of paragraph 2 of the preceding article with respect to terminal equipment based on a certified type, a certified dealer may affix the mark specified in the applicable ministerial ordinance of the MIC* to said terminal equipment.

*Article 22 of approval ordinance

**DSP Research, Inc.****• Ordinance concerning Technical Conditions Compliance Approval for Terminal Equipment (approval ordinance)****(Preparation, etc. of Inspection Record)****Article 21**

1. The information to be provided in the inspection records mentioned in Article 57, Paragraph 2 of the Law shall be as follows:
 - (1) the number of certification by type for which the inspection was conducted;
 - (2) the date and location of the inspection;
 - (3) the name of the person who was in charge of conducting the inspection;
 - (4) the method of the inspection; and
 - (5) results of the inspection.
2. The inspection records mentioned in the preceding Paragraph must be retained for ten years from the date of the inspection.
3. The retention of the inspection records mentioned in the preceding Paragraph may be conducted using a recording media of electronic records. In this case, the said electronic records must be immediately displayed using a computer or other equipment when necessary.

(Mark)**Article 22**

1. When affixing the mark in accordance with Article 58 of the Law, one of the following methods shall be used.
 - a. The method of affixing the mark of the Form No.7 at a readily visible location on the terminal equipment based on a certified type (the method to affix the said mark at a readily visible location in the attached user manual, on the package or container when it is difficult or unreasonable to display)
 - b. The method of electronic record the mark of Form No.7 on to the terminal equipment based on a certified type, and to be able to clearly and immediately be displayed on the image screen of the terminal equipment.
 - c. The method of electronically record the mark on to the specified radio equipment based on a certified type in accordance with Form No.7, and to be able to clearly and immediately display on the image screen of the product connected to the specified radio equipment.
2. When affixing the mark in accordance with Article 68-2 of the Law, the compliance mark on the built-in terminal equipment (including the mark in the attached user manual) is verified visually or by other means, and one of the following methods shall be used for affixing the new mark on the product. In this case, the new mark shall be easily identifiable.
 - a. The method of affixing the new mark at a readily visible location on the product that has built-in terminal equipment that is compliant with the standards (if it is difficult or unreasonable to display, it can be displayed at any readily visible location in the attached user manual, on the package or the container.)
 - b. The method of electronic record the mark on the product that has built-in terminal equipment that is compliant with the standards, and to be able to clearly and immediately be displayed on the image screen of the product.
 - c. The method of electronically record the mark on the product that has built-in compliance radio equipment, and to be able to clearly and immediately display on the image screen of the product connected to built-in compliance terminal equipment.
3. When electronically affixing the mark on either the terminal equipment or the product that has built-in radio equipment with conformity mark in accordance with subparagraph b and c of paragraph 1 above or subparagraph b and c of paragraph 2 above, it is necessary to attach documentation stating the conformity mark is visually electronically displayed with a description detailing the display method that is mentioned in above paragraphs.