



Type-Based Certificate

Certificate Number 219 - 247207

認証番号

Certificate Holder Tersus GNSS Inc.

認証を受けた者

Certificate Holder Address Unit E2-501 and E2-601, Artificial Intelligence Industrial Park, No.88Jinjihu Avenue, Suzhou Industrial Park, Suzhou Area, China (jiangsu)Pilot Free Trade Zone

Product Model Name TC100

製品型式又は名称

Product Description Control Tablet

製品説明

Manufacturer (if different from Certificate Holder)

製造者

(認証を受けた者と異なる場合)

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工事設計認証書

KL-Certification GmbH, operating as a Registered Foreign Certification Body (CAB ID: 219) with respect to Japan, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio equipment in accordance with the provisions of Article 38-24, Paragraph 1 of the Radio Law.

KL-Certification GmbH は、日本における登録外国適合性評価機関 (CAB ID: 219) として活動しており、記載されている製品が電波法第 38 条の 24 第 1 項の規定に従って特定無線設備の技術基準適合証明に適合していることを宣言します。

Classification of Specified Radio equipment
特定無線設備の区分

Ordinance concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment

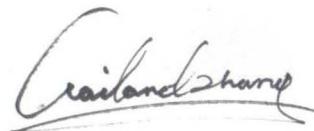
特定無線設備の技術基準適合証明等に関する規則

Annex
付属書類

The certificate is only valid together with the annex.

証明書は付属書類と併せてのみ有効となります。

CAB 219



Shanghai, 09.09.2024

Place, issue date

場所、発行日

Wailand Zhang

Name & authorized Signature

名前と正式な署名



Product Characteristics

Brand Name	N/A
Hardware Version	CP021-MAIN-BOARD-V1.2
Software Version	NAV_A_V1.10_LCD7-10_W1B0_LPDDR_FO_20240411_SP2

Specified Categories

Specified Radio Equipment	MIC Ordinance No. 37	remark
Low power data communications system in the 2.4GHz band	Article 2 paragraph 1 item 19	
LTE cellular phone	Article 2 paragraph 1 item 11-19	
Digital cordless telephone (TDMA/OFDMA)	Article 2 paragraph 1 item 21-3	
Next-generation PHS land mobile station	Article 2 paragraph 1 item 54	
WCDMA cellular phone (except land mobile station which relays portable radio communication)	Article 2 paragraph 1 item 11-3	
DS-CDMA(HSDPA) cellular phone (except land mobile station which relays portable radio communication)	Article 2 paragraph 1 item 11-7	

Emission Information

Technology	Frequency Range	Emission Designator	RF Power Max.	RF Power Type	Antenna Power
Bluetooth BLE	2402MHz-2480MHz	1M30F1D	5.30mW	Conducted	--
Bluetooth BR	2402MHz-2480MHz	78M1G1D	--	--	0.045mW/MHz
Bluetooth EDR	2402MHz-2480MHz	78M3F1D	--	--	0.045mW/MHz
802.11b	2412MHz-2472MHz	14M0G1D	--	--	4.20mW/MHz
802.11g	2412MHz-2472MHz	16M4D1D	--	--	5.10mW/MHz
802.11n20	2412MHz-2472MHz	17M5D1D 5M00	--	--	4.80mW/MHz
UMTS Band1	1922.6MHz-1977.4MHz	G1A,G1B,G1C, G1D,G1E,G1F, G1X,G7W 5M00	200mW	Conducted	
UMTS Band8	902.6MHz-912.4MHz	G1A,G1B,G1C, G1D,G1E,G1F, G1X,G7W 5M00	200mW	Conducted	
HSPA Band1	1922.6MHz-1977.4MHz	G1A,G1B,G1C, G1D,G1E,G1F, G1X,G7W 5M00	200mW	Conducted	
HSPA Band8	902.6MHz-912.4MHz	G1A,G1B,G1C, G1D,G1E,G1F, G1X,G7W 5M00	200mW	Conducted	
E-UTRA Band 1	1927.2MHz-1977.5MHz	D1A,D1B,D1C, D1D,D1E,D1F,	200mW	Conducted	--



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		D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W 5M00			
E-UTRA Band 3	1712.5MHz-1782.5MHz	D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W 5M00	200mW	Conducted	--
E-UTRA Band 8	902.5MHz-912.5MHz	D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W 5M00	200mW	Conducted	--
E-UTRA Band 18	817.5MHz-827.5MHz	D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W 5M00	200mW	Conducted	--
E-UTRA Band 19	832.5MHz-842.5MHz	D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W 5M00	200mW	Conducted	--
E-UTRA Band 26	817.5MHz-842.5MHz	D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W 5M00	200mW	Conducted	--
E-UTRA Band 28	720.5MHzto 745.5MHz	D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W 10M0	200mW	Conducted	--
E-UTRA Band 1	1934.7MHz-1975MHz	D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W 10M0	200mW	Conducted	--
E-UTRA Band 3	1715MHz-1780MHz	D1A,D1B,D1C, D1D,D1E,D1F, D1X,D7W,G1A ,G1B,G1C,G1D	200mW	Conducted	--





			15M0			
E-UTRA Band 19	837.5MHz-837.5MHz	D1A,D1B,D1C, D1D,D1E,D1F, D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W	200mW	Conducted	--	
E-UTRA Band 26	822.5MHz-837.5MHz	D1A,D1B,D1C, D1D,D1E,D1F, D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W	200mW	Conducted	--	
E-UTRA Band 28	725.5MHzto 740.5MHz	D1A,D1B,D1C, D1D,D1E,D1F, D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W	200mW	Conducted	--	
E-UTRA Band 1	1949.7MHz-1970MHz	D1A,D1B,D1C, D1D,D1E,D1F, D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W	200mW	Conducted	--	
E-UTRA Band 3	1720MHz-1775MHz	D1A,D1B,D1C, D1D,D1E,D1F, D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W	200mW	Conducted	--	
E-UTRA Band 28	728MHzto 738MHz	D1A,D1B,D1C, D1D,D1E,D1F, D1X,D7W,G1A ,G1B,G1C,G1D ,G1E,G1F,G1X, G7W	200mW	Conducted	--	
E-UTRA Band 39	1899.1MHz	5M00 X7D,X7W	100mW	Conducted	--	
E-UTRA Band 41	2547.5MHz-2647.5MHz	5M00 X1A,X1B,X1C, X1D,X1F,X1X,X 7D,X7W	200mW	Conducted	--	
E-UTRA Band 41	2550MHz-2645MHz	10M0 X1A,X1B,X1C, X1D,X1F,X1X,X 7D,X7W	200mW	Conducted	--	
E-UTRA Band 41	2555MHz-2640MHz	20M0 X1A,X1B,X1C, X1D,X1F,X1X,X 7D,X7W	200mW	Conducted	--	

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Antenna

Antenna Type	Manufacturer	Model/Part No.	Max Gain [dBi]	Frequency band [MHz]
FPC Antenna	Shenzhen HE DIAN XUN Technology Co.,Ltd	SPRING2 -FPC	3.84dBi	2400-2900MHz
FPC Antenna	Pulse Electronics	SPRING2 - MAIN-FPC	1.32dBi	1920-1980MHz
			1.77dBi	1700-1800MHz
			-0.91dBi	900-920MHz
			1.77dBi	810-830MHz
			1.35dBi	830-840MHz
			1.77dBi	810-850MHz
			-0.25dBi	720-750MHz
			0.96dBi	1880-1920MHz
			1.86dBi	2540-2660MHz

The assessed Technical Construction File is part of the application. The validity of the Certificate is limited to products equal to the examined one.

When placing the product on the market in Japan the manufacturer or certificate holder must label the product with the following Specified Radio Equipment marking:



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Technical Construction File assessed for this type-examination:

Test Report(s):	Supporting Documentation:
Report No.: SHATBL2405004W01 issued by ShangHai ATBL Technology Co., Ltd., dated 07/06/2024	Service Agreement Agent Authorization Application Form Proof for Product Quality Control Declaration for Radio Protection Methodology Antenna Specifications Bill of Material Block Diagram Schematics PCB Layout/Parts Placement Operational Description Internal Photos External Photos Label and label location Test Setup Photos User Manual
Report No.: SHATBL2405004W02 issued by ShangHai ATBL Technology Co., Ltd., dated 09/05/2024	
Report No.: SHATBL2405004W03 issued by ShangHai ATBL Technology Co., Ltd., dated 06/26/2024	
Report No.: SHATBL2405004W04 issued by ShangHai ATBL Technology Co., Ltd., dated 06/26/2024	
Report No.: SHATBL2405004W05 issued by ShangHai ATBL Technology Co., Ltd., dated 06/26/2024	

Please note the following points:

- 1) The review has been completed and a certificate has been issued, the certificate is valid with immediate effect.
- 2) The documents shall be submitted to MIC and the device shall be published after a while on the MIC website: <http://www.tele.soumu.go.jp/giteki/SearchServlet?pageID=js01>

Radio Law, Article 38-25

- 1) A person who has received a construction design certification (hereinafter referred to as a "certified dealer") from a registered certification body, when dealing with a specified radio equipment based on the construction design pertaining to the relevant construction type certification (hereinafter referred to as "certified construction design") must ensure that the relevant specified radio equipment conforms to the relevant certified construction design.
- 2) A certified dealer must inspect the specified radio equipment that it deals in under the preceding paragraph, in accordance with the method for verification pertaining to the construction design certification, and prepare and maintain the inspection records specified by Order of the Ministry of Internal Affairs and Communications.