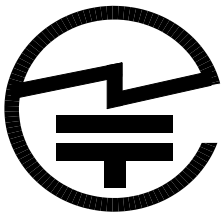
Construction Type Certification

Registration No.	CSRT200315
Certificate Holder	Insight SiP 400 Avenue Roumanille, 06906 Sophia Antipolis, FRANCE
Product Category	Article 2, Paragraph 1, Item 19
Model Type or Name	ISP4520
Type of Emission, Frequency and Antenna Power	F1D 2402MHz - 2480MHz (2MHz separation, 40 channels) 2.5 mW
Manufacturer	Insight SiP 400 Avenue Roumanille, 06906 Sophia Antipolis, FRANCE
Factory	1. TONG HSING ELECTRONIC INDUSTRIES, LTD. NO.55, LN. 365, YINGTAO RD., YINGGE DIST., NEW TAIPEI CITY 239, TAIWAN 2. ADVANCED SEMICONDUCTOR ENGINEERING, INC. No. 26, Chin 3rd Road, Nantze Export Processing Zone, Kaohsiung City, Taiwan, Republic of China
Remarks	The scope of evaluation relates to the submitted documents and product only. It is only valid in conjunction with the Annex.

When the product is placed on the Japanese market, the Specified Radio Equipment marking as shown on the right must be attached on visible part of the product.



R 018-200315

Witnesses that the certification is on Construction Type Certification under Article 38-24 of the Radio Law.

Date of Certificate
2020-10-29

Takuji Nakano

Certification Examiner : Takuji Nakano
C&S/Certificate Technical Support Center Co., Ltd.
Address: 610-1 Kishine-cho, Kohoku-ku, Yokohama-city, Kanagawa 222-0034, Japan

Technical Construction Form (WW) Bluetooth

1. Product Description	LoRa / BLE MODULE
2. Model Number	ISP4520
3. IEEE Standard No.	Bluetooth (802.15.1) (LE)
4. Transmitter	
(1) Rated Output	2.5 mW (LE)
(2) Type of Emission and Frequency	F1D 2402MHz - 2480MHz (2MHz separation, 40 channels) (LE)
(3) Oscillation	Synthesizer method using Crystal Oscillator with 32MHz
(4) Type of Modulation	GFSK
(5) Spectrum Spread Method etc.	Other Modulation
(6) RF Module/Chip	nRF52832
5. Antenna	
(1) Type or Structure	Built-in Antenna (Monopole)
(2) Antenna Gain	-3.6 dBi
6. Power Source	DC3.0V ±10%
7. Auxiliary Equipment	- Interference prevention function equipment (The function specified in Article 9-4 of the Ordinance Regulating Radio Equipment)
8. Test Report	ACS-P20178 (Date of Issue: 2020.10.28) (LE)
9. Test Laboratory	Audix Technology (Shenzhen) Co., Ltd.
10. Review Documents	Block Diagram Circuit Diagram BOM List Antenna Specification External Photographs Internal Photographs User Manual Certificate Label Design and Location PCB Layout
11. Confirmation Method of Certification by Type	ISO 9001 Certificate - TONG HSING ELECTRONIC INDUSTRIES, LTD. - ADVANCED SEMICONDUCTOR ENGINEERING, INC. QC Assignment Form
12. Reference Information	- Article 2, Paragraph 1, Item 19-2-2 is not included. - Module shaped radio equipment Peripheral equipment: Sensor Board Interface: SPI, UART, I2C, GPIOs, ADC, SWD

Construction Type Certification

Registration No.	CSRT200315	
Certificate Holder	Insight SiP 400 Avenue Roumanille, 06906 Sophia Antipolis, FRANCE	
Product Category	Article 2, Paragraph 1, Item 8	
Model Type or Name	ISP4520	
Type of Emission, Frequency and Antenna Power	G1D 920.6MHz - 928MHz (200kHz separation, 38 channels)	20.0 mW
Manufacturer	Insight SiP 400 Avenue Roumanille, 06906 Sophia Antipolis, FRANCE	
Factory	1. TONG HSING ELECTRONIC INDUSTRIES, LTD. NO.55, LN. 365, YINGTAO RD., YINGGE DIST., NEW TAIPEI CITY 239, TAIWAN 2. ADVANCED SEMICONDUCTOR ENGINEERING, INC. No. 26, Chin 3rd Road, Nantze Export Processing Zone, Kaohsiung City, Taiwan, Republic of China	
Remarks	The scope of evaluation relates to the submitted documents and product only. It is only valid in conjunction with the Annex.	

When the product is placed on the Japanese market, the Specified Radio Equipment marking as shown on the right must be attached on visible part of the product.

R 018-200315

Witnesses that the certification is on Construction Type Certification under Article 38-24 of the Radio Law.

Date of Certificate
2020-10-29

Takuji Nakano

Certification Examiner : Takuji Nakano
/Certificate Technical Support Center Co., Ltd.
Address: 610-1 Kishine-cho, Kohoku-ku, Yokohama-city, Kanagawa 222-0034, Japan

Technical Construction Form (Y)

1. Product Description	LoRa / BLE MODULE
2. Model Number	ISP4520
3. IEEE Standard No.	—
4. Transmitter	
(1) Rated Output	20.0 mW
(2) Type of Emission and Frequency	200K G1D 920.6MHz - 928MHz (200kHz separation, 38 channels)
(3) Oscillation	Synthesizer method using Crystal Oscillator with 32MHz
(4) Type of Modulation	LoRa
(5) Spectrum Spread Method etc.	CSS
(6) RF Module/Chip	SX1261
5. Antenna	
(1) Type or Structure	Built-in Antenna (Monopole)
(2) Antenna Gain	-1.9 dBi
6. Power Source	DC3.0V ±10%
7. Auxiliary Equipment	- Transmitting Time Control Function - Carrier Sense Function (The function specified in MPT Public Notice No.49 of 1989)
8. Test Report	ACS-P20179 (Date of Issue: 2020.10.28)
9. Test Laboratory	Audix Technology (Shenzhen) Co., Ltd.
10. Review Documents	Block Diagram Circuit Diagram BOM List Antenna Specification External Photographs Internal Photographs User Manual Certificate Label Design and Location PCB Layout
11. Confirmation Method of Certification by Type	ISO 9001 Certificate - TONG HSING ELECTRONIC INDUSTRIES, LTD. - ADVANCED SEMICONDUCTOR ENGINEERING, INC. QC Assignment Form
12. Reference Information	- Module shaped radio equipment Peripheral equipment: Sensor Board Interface: SPI, UART, I2C, GPIOs, ADC, SWD