

EU-TYPE EXAMINATION CERTIFICATE

No

0370-RED-7537

ISSUED BY	LGAI Technological Center, SA – NB No. 0370 (APPLUS)	
APPLICANT	SAIN3 LLC	
MANUFACTURER (Name, Address)	SAIN3 LLC 36 Berkley Drive Newark Delaware United States 19702	
COMMERCIALISED BY (Brand)	Radioddity	
PRODUCT	Two Way Radio	
TYPES	GA-5WB, GA-10WB, GA-5WB PRO	
HW / SW / FMW version	SW: 0.6.8 HW: Ver: U/V_N76-23128	
APPLICABLE DIRECTIVE	DIRECTIVE 2014/53/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 16 APRIL 2014 ON THE HARMONISATION OF THE LAWS OF THE MEMBER STATES RELATING TO THE MAKING AVAILABLE ON THE MARKET OF RADIO EQUIPMENT	
DESCRIPTION	<i>The device is a Two Way Radio with PMR, BT, FM RX and GPS.</i>	
MEET ESSENTIAL REQUIREMENTS	Art.3.1 (a) Health & Safety <input checked="" type="checkbox"/>	Art.3.2 Efficient use of Radio spectrum <input checked="" type="checkbox"/>
	Art.3.1 (b) EMC <input checked="" type="checkbox"/>	Art.3.3 Requirements for specific categories or classes of RED (d) <input type="checkbox"/> (e) <input type="checkbox"/> (f) <input type="checkbox"/> (g) <input type="checkbox"/>

This document is not valid without its technical annex, whose number matches with the number of this certificate.

The evaluation of the technical documentation delivered is included in the technical file number: 24/36402062

This Certificate is valid as long as there are no changes in the state of the Art indicating that the approved radio equipment can no longer meet the essential requirements of Directive 2014/53/EU and there are no notifications of the approved type that may affect the accordance with the essential requirements of Directive 2014/53/EU.

Restrictions (if applicable): N/A

This certificate is issued based on the previous issued on 8th May, 2024 (Certificate No.: 0370-RED-7497)

Modification description: Update Applicant, Manufacturer, Factory, Brand Name and Model Name.

Bellaterra, 14th May, 2024



Lluís Boada
Certification Technical Manager
Electrical & Electronics

You can check the validity of this
certificate in our website



*The manufacturer, after the completion of the technical documentation, the conformity assessment procedures and the EU Declaration of conformity, may affix the **CE** Marking under his responsibility.*

TECHNICAL ANNEX

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A. MODEL DESCRIPTION

A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:

Manufacturing country: China
Brand: Radioddity
Commercial designation: Radioddity
Country of commercialization: European Union
Radio service: PMR, BT, FM RX and GPS
Application: Two Way Radio

A.1.1 TRADE VERSIONS/VARIANTS: GA-5WB, GA-10WB, GA-5WB PRO

A.2. FEATURES: Two Way Radio

A.3. SOFTWARE VERSION(S): 0.6.8

A.4. HARDWARE VERSION(S): Ver: U/V_N76-23128

A.5. OTHER COMPONENTS

Disposable antenna **YES**
 NO

Antenna gain (dBi)*: 2.15dBi (Max.)
(*) only in case of YES

- **Battery (model, manufacturer, characteristics,..):**
 - Manufacturer: VERO GLOBAL COMMUNICATION CO.LTD
 - Model: BP-26B
 - Specification: DC 7.4V, 2600mAh

TECHNICAL ANNEX

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A.6. OPERATING FREQUENCIES AND MAXIMUM POWER EMITTED BY BAND

BAND	SERVICE	Operational frequency (TX)		MAX POWER	CNAF IR	CNAF/UN-XXX
Band 1	PMR ¹⁾ (VHF)	F_min: 136MHz	F_max: 174MHz	5W*	IR-118	UN-98
Band 2	PMR ¹⁾ (UHF)	F_min: 400MHz	F_max: 470MHz	5W*	IR-121 IR-122	UN-31
Band 3	BT	F_min: 2402MHz	F_max: 2480MHz	1.55dBm**	IR-163	UN-85
Band 4	FM RX	F_min: 87.5MHz	F_max: 108MHz	N/A	N/D	N/D
Band 5	GPS L1 C/A Receiver	F_min: 1575.42MHz	F_max: 1575.42MHz	N/A	N/D	N/D

N/A: Not applicable

N/D: Not defined

* Rated conducted output power.

** Antenna Gain included.

1) According to Article 10.2, the PMR band of this device are 146MHz-174MHz, 406.1MHz-430MHz and 440MHz-470MHz.

A.7. OTHER PARAMETERS OF RADIO INTERFACE SPECIFICATIONS (RI)

Requires license/Use authorization: YES NO

NOTE mobile service: Class I because of mobile station.

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B. TEST PROTOCOL

REQUIREMENT	STANDARD	Laboratory	Report no.
Health and Safety Article 3.1(a)	EN IEC 62368-1:2020+A11:2020	Attestation of Global Compliance (Shenzhen) Co., Ltd.	AGC16307240301ES01
	EN 50566:2017		AGC16307240301EH01
	EN IEC/IEEE 62209-1528:2021		
	EN 62479:2010		
	EN 50663:2017		
EMC Article 3.1(b)	ETSI EN 301 489-1 V2.2.3	Attestation of Global Compliance (Shenzhen) Co., Ltd.	AGC16307240301ER04
	ETSI EN 301 489-5 V2.2.1		
	ETSI EN 301 489-17 V3.2.4		AGC16307240301EE01
	ETSI EN 301 489-19 V2.2.1		
	EN 55032:2015/A1:2020		
	EN 55035:2017/A11:2020		
Efficient use of Radio spectrum Article 3.2	ETSI EN 300 328 V2.2.2	Attestation of Global Compliance (Shenzhen) Co., Ltd.	AGC16307240301ER01
			AGC16307240301ER06
	ETSI EN 300 086 V2.1.2		AGC16307240301ER02
	ETSI EN 300 219 V2.1.1		AGC16307240301ER05
	ETSI EN 303 345-1 V1.1.1		
	ETSI EN 303 345-3 V1.1.1		
	ETSI EN 303 413 V1.2.1	AGC16307240301ER03	

C. RESTRICTIONS (IF POSITIVE)

Restrictions YES NO

Describe restrictions: N/A

TECHNICAL ANNEX

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D. ACTIVITIES CARRIED OUT BY THE NB

Technical Documentation Review

- | | | |
|---|---|--|
| <input type="checkbox"/> Assembly drawings(s) | <input checked="" type="checkbox"/> Block diagram | <input checked="" type="checkbox"/> Circuit diagram/schematics |
| <input checked="" type="checkbox"/> External photographs | <input checked="" type="checkbox"/> Label drawing/location | <input checked="" type="checkbox"/> User manual |
| <input checked="" type="checkbox"/> Internal photographs | <input checked="" type="checkbox"/> Operational description | <input checked="" type="checkbox"/> Risk Assessment |
| <input checked="" type="checkbox"/> Test set-up photographs | <input checked="" type="checkbox"/> Test reports | <input checked="" type="checkbox"/> EU declaration of conformity |
| <input checked="" type="checkbox"/> Bill of materials | <input checked="" type="checkbox"/> PCB layout | |
| <input type="checkbox"/> Installation diagrams and explanations | <input checked="" type="checkbox"/> List of applied (harmonized and non-harmonized) standards | |

Other activities

- RIS
- EFIS/CNAF
- Review Technical Justifications
- Analysis report
- EU type certification issued

E. ADDITIONAL INFORMATION:

Radio Equipment Directive 2014/53/EU, Article 10.4: Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Directive 2014/53/EU, Annex III, Module B.7: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.