

RF Exposure Evaluation Declaration

Applicant: Dana Innovations: SONANCE
Address: 991 CALLE AMANECER SAN CLEMENTE CA 92673,
United States
Product: Power Amplifier
Model No.: UA 2-125 ARC
Brand Name: SONANCE
Standards: EN 50663: 2017
EN 62479: 2010
Radiocommunications Equipment (General) Rules 2021
Compilation No. 3
AS/NZS 2772.2:2016 AMD 1: 2018
Result: Complies
Evaluation Date: 2024-09-21

Reviewed By:

Denise Zhou

Approved By:

Robin Wu



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standards through the calibration of the equipment and evaluated measurement uncertainty herein.

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Revision History

Report No.	Version	Description	Issue Date	Note
2408RSU015-E3	V01	Initial Report	2025-04-15	Valid

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1. General Information

1.1. Applicant

Dana Innovations: SONANCE

991 CALLE AMANECER SAN CLEMENTE CA 92673, United States

1.2. Manufacturer

Dana Innovations: SONANCE

991 CALLE AMANECER SAN CLEMENTE CA 92673, United States

1.3. Testing Facility

<input checked="" type="checkbox"/>	Test Site – MRT Suzhou Laboratory
	Laboratory Location (Suzhou - Wuzhong)
	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
	Laboratory Location (Suzhou - SIP)
4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China	
Laboratory Location (Suzhou - Wujiang)	
Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China	
Laboratory Accreditations	
A2LA: 3628.01 CNAS: L10551	
FCC: CN1166 ISED: CN0001	
VCCI: <input type="checkbox"/> R-20025 <input type="checkbox"/> G-20034 <input type="checkbox"/> C-20020 <input type="checkbox"/> T-20020	
<input type="checkbox"/> R-20141 <input type="checkbox"/> G-20134 <input type="checkbox"/> C-20103 <input type="checkbox"/> T-20104	
<input type="checkbox"/>	Test Site – MRT Shenzhen Laboratory
	Laboratory Location (Shenzhen)
	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China
	Laboratory Accreditations
A2LA: 3628.02 CNAS: L10551	
FCC: CN1284 ISED: CN0105	
<input type="checkbox"/>	Test Site – MRT Taiwan Laboratory
	Laboratory Location (Taiwan)
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
TAF: 3261	
FCC: 291082, TW3261 ISED: TW3261	

1.4. Product Information

Product Name	Power Amplifier
Model No.	UA 2-125 ARC
Brand Name	SONANCE
Bluetooth Specification	BLE 1M & 2M
Antenna Information	Refer to clause 1.5
Working Voltage	100-240V~ 50/60Hz 80W
Operating Temp.	0 ~ 40°C

Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.

1.5. Antenna Details

Test Mode	Frequency Band (MHz)	Antenna Type	Antenna Gain
BLE	2402 ~ 2480	FPC	0.66 dBi

2. RF Exposure Measurement

2.1. Exclusion Limits

Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level P_{\max} .

Values of P_{\max}

Exposure tier	Region of body	P_{\max} (mW)
General public	Head and trunk	20
	Limbs	40
Workers	Head and trunk	100
	Limbs	200

2.2. Calculated Result

Product	Power Amplifier		
Test Item	RF Exposure Evaluation		

Operation Mode	Frequency Range (MHz)	Maximum Conducted Power (dBm)	Maximum Conducted Power (mW)
BLE	2402 ~2480	5.97	3.95

Notes:

1. Maximum Conducted Power (mW) = $10^{\{(\text{Maximum Conducted Power (dBm)})/10\}}$.
2. The Maximum Conducted Power was from Original Report (PD20220207RF-A).

Conclusion:

The maximum conducted power of the device is 5.97mW (3.95dBm) and it is less than 20mW (13.01dBm), so the device is compliance with exposure requirement.

The End