



RF EXPOSURE REPORT

For

Fujian LANDI Commercial Equipment Co.,Ltd.

Building 17, Section A, Software Park, No. 89 Software Road, Gulou District, Fuzhou Municipality,
Fujian Province, China

FCC ID: 2AG6N-C2001A1

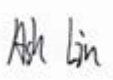
Report Type: Class II Permissive Change Report	Product Name: POS Terminal
Report Number:	2407Z105199E-RF-A1-02
Report Date:	2025-09-18
Reviewed By:	Ash Lin 
Approved By:	Miles Chen 
Prepared By:	Bay Area Compliance Laboratories Corp. (Xiamen) Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen Tel: +86-592-3200111 www.baclcorp.com.cn

TABLE OF CONTENTS

REPORT REVISION HISTORY.....3

GENERAL INFORMATION.....4

 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST4

 TEST FACILITY4

 CALCULATED DATA.....7

EUT PHOTOGRAPHS8

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2407Z105199E-RF-02	R1V1	2025-06-10	Initial Release
1	2407Z105199E-RF-A1-02	R1V1	2025-09-18	Class II Permissive Change

Note: This is Class II Permissive change application based on the original device, model: C20Pro. FCC ID: 2AG6N-C2001A1. Differences between the previous and current one are stated and guaranteed by the manufacturer, as following:

1. The board connected to the secondary screen changed, the connection method of the secondary screen switched from the fixed FFC cable to the detachable POGO PIN mode.
2. NFC antenna circuit remains unchanged, only the connection method changed with corresponding changes in the circuit.

GENERAL INFORMATION**Product Description for Equipment under Test**

Applicant:		Fujian LANDI Commercial Equipment Co.,Ltd.												
Product Name:		POS Terminal												
Tested Model:		C20Pro												
Power Supply:		DC 19.0V, 3.42A from adapter												
Adapter #1 Information	Model:	PA-1650-57												
	Input:	AC 100-240V, 50/60Hz 1.6A												
	Output:	DC 19.0V, 3.42A												
Adapter #2 Information	Model:	PA-1650-90												
	Input:	AC 100-240V, 50/60Hz, 1.6A												
	Output:	DC 19.0V, 3.42A												
RF Function:		NFC												
Operating Band/Frequency:		13.56 MHz												
Antenna Type:		COIL Antenna												
<i>Note:</i>														
1. The Operating Frequency is provided by the applicant.														
2. The configuration of EUT show as below:														
	<table border="1"><thead><tr><th>Model name</th><th>Certified RF Module</th><th>Description</th><th>NFC</th><th>WWAN/GNSS</th><th>Printer</th></tr></thead><tbody><tr><td>C20Pro</td><td>SNM927 (FCC ID:2AG6N-SNM927WF4MG)</td><td>Wifi only - 10.1" CFD- unattachedB[#]</td><td>√</td><td>x</td><td>√</td></tr></tbody></table>	Model name	Certified RF Module	Description	NFC	WWAN/GNSS	Printer	C20Pro	SNM927 (FCC ID:2AG6N-SNM927WF4MG)	Wifi only - 10.1" CFD- unattachedB [#]	√	x	√	
Model name	Certified RF Module	Description	NFC	WWAN/GNSS	Printer									
C20Pro	SNM927 (FCC ID:2AG6N-SNM927WF4MG)	Wifi only - 10.1" CFD- unattachedB [#]	√	x	√									
3. The EUT supplied by the applicant was received on 2025-08-12.														

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

Applicable Standard

According to subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

Limits for Maximum Permissible Exposure (MPE)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;
According to §1.1310 & §2.1091 RF exposure is calculated.

Calculated Formulary:

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{LIM,i}} \leq 1$$

EUT Information

Operation Modes	Operation Frequency (MHz)	Max Conducted output power including Tune-up Tolerance (dBm)	Maximum Antenna Gain (dBi)
2.4G WLAN	2412-2462	20.5	0.84
Bluetooth	2402-2480	14	0.84
BLE	2402-2480	3	0.84
WLAN 5.2G	5180-5240	16	0.69
WLAN 5.3G	5260-5320	16	0.74
WLAN 5.5G	5500-5720	17	0.95
WLAN 5.8G	5745-5825	18	0.95
NFC	13.56	-41	0

Note:

1. The above parameters were provided by the manufacturer.
2. Please refer to the FCC ID: 2AG6N-SNM927WF4MG for power about the certified module.
3. Refer RF test reports: 2407Z105199E-RF-A1-01, The Max. NFC field strength is 53.56dB μ V/m @ 3m = -41.64 dBm(0.00007mW) EIRP. That equal to antenna gain is 0dBi and used the EIRP value as conducted power.

Calculated Data

Mode	Frequency (MHz)	Antenna Gain		★Tune-up Output Power		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G Wi-Fi	2412-2462	0.84	1.21	20.5	112.20	20	0.0270	1
BLE	2402-2480	0.84	1.21	3	2.00	20	0.0005	1
BT	2402-2480	0.84	1.21	14	25.12	20	0.0060	1
5.2G Wi-Fi	5180-5240	0.69	1.17	16	39.81	20	0.0093	1
5.3G Wi-Fi	5260-5320	0.74	1.19	16	39.81	20	0.0094	1
5.5G Wi-Fi	5500-5720	0.95	1.24	17	50.12	20	0.0124	1
5.8G Wi-Fi	5745-5825	0.95	1.24	18	63.10	20	0.0156	1
NFC	13.56	0	1.00	-41	0.00008	20	<<0.0001	0.98

Note: 1. The Tune-up output power was declared by the Manufacturer.

2. The device contains a certificated module, FCC ID: 2AG6N-SNM927WF4MG

3. Refer RF test reports: 2407Z105199E-RF-A1-01, The Max. NFC field strength is 53.56dBμV/m @ 3m = -41.64 dBm(0.00007mW) EIRP. That equal to antenna gain is 0dBi and used the EIRP value as conducted power.

Simulatneous transmission:

BT/BLE/Wifi, NFC cans transmissions simultaneously:

$$\sum_i \frac{S_i}{S_{\text{Limit},i}} \leq 1$$

$$= S_{2.4G \text{ Wifi}}/S_{\text{limit-2.4G Wifi}} + S_{\text{NFC}}/S_{\text{limit-NFC}}$$

$$= 0.0270/1 + 0.0001/0.98$$

$$= 0.0271$$

$$< 1.0$$

Result: The device meets MPE at distance 20cm.

EUT PHOTOGRAPHS

Please refer to the attachment 2407Z105199E-RF-A1-EXP EUT EXTERNAL PHOTOGRAPHS and 2407Z105199E-RF-A1-INP EUT INTERNAL PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

*******END OF REPORT*******