

Prüfbericht-Nr.: Test report no.:	CN23QXX1 001	Auftrags-Nr.: Order no.:	180256997	Seite 1 von 3 Page 1 of 3
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2023.02.17	
Auftraggeber: Client:	Shenzhen LYF Intelligence Co., Ltd. NO.501 Building 1, Shenzhen Software Park Yuehai Street, Nanshan District, Shenzhen City, Guangdong P.R. China			
Prüfgegenstand: Test item:	Charging station			
Bezeichnung / Typ-Nr.: Identification / Type no.:	91N1-00000-TY, 91N2-00000-TY			
Auftrags-Inhalt: Order content:	TÜV Rheinland – FCC & ISED Service			
Prüfgrundlage: Test specification:	FCC 47 CFR Part 2.1091		RSS-102 Issue 5	
Wareneingangsdatum: Date of sample receipt:	2023.05.22		Refer to Photo Documentation	
Prüfmuster-Nr.: Test sample no.:	A003478075			
Prüfzeitraum: Testing period:	2023.06.12 - 2023.07.25			
Ort der Prüfung: Place of testing:	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	genehmigt von: authorized by:			
Datum: Date: 2023.09.22			Ausstelldatum: Issue date: 2023.09.22	
Stellung / Position:	Keda Zhou/PE		Stellung / Position:	Season Yang/Authorizer
Sonstiges / Other:	FCC ID: 2BAQQNOVABOT002 ISED: 30447NOVABOT002 Contains FCC ID: 2AC7Z-ESPS3WROOM1U ISED: 21098-ESPS3WROOMU			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	4 = ausreichend N/A = nicht anwendbar
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory F(ail) = failed a.m. test specification(s)	4 = sufficient N/A = not applicable
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

Prüfbericht - Nr.: CN23QXX1 001

Test Report No.:

Seite 2 von 3

Page 2 of 3

Radio Frequency Exposure Compliance

1. FCC Electromagnetic Fields

Result:

Pass

Test Specification

Test standard : FCC 47 CFR Part 2.1091
CFR47 FCC Part 1.1310

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
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
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

MPE Calculation:

The power Density (mW / CM^2) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

S=power density (mW / CM^2)

P=power input to the antenna (mW)

G=power input to the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna (CM)

Mode	Max Power (dBm)	Max e.i.r.p. (mW)	Distance (cm)	Power Density (mW/ cm ²)	Power Density Limit (mW/ cm ²)	Verdict
A	14.12	25.82	20	0.0051	0.601	Pass
B	18.26	66.99	20	0.0133	1.0	Pass

Remark: Data for mode B comes from FCC ID 2AC7Z-ESPS3WROOM1U.

Mode	Proportion A	Proportion B	Proportion A+B	Limit	Verdict
A+B	0.0051/0.601	0.013/1.0	0.0215	1.0	Pass

Conclusion:

EUT is compliance with the FCC RF exposure.

Prüfbericht - Nr.: CN23QXX1 001

Test Report No.:

Seite 3 von 3

Page 3 of 3

2. IC Electromagnetic Fields

Result:

Pass

Test Specification

Test standard : RSS-102 Issue 5

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

At or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;

RF exposure evaluation exempted power: 1.37W

MPE Calculation:

Mode	Max Power (dBm)	Max e.i.r.p. (mW)	Distance (cm)	Exemption Limits maximum e.i.r.p (W)	Verdict
A	14.12	25.82	20	1.37	Pass
B	18.26	66.99	20	2.67	Pass

Remark: Data for mode B comes from ISED 21098-ESPS3WROOMU.

Mode	Proportion A	Proportion B	Proportion A+B	Limit	Verdict
A+B	25.82/1370	66.99/2670	0.044	1.0	Pass

Conclusion:

EUT is compliance with the IC RF exposure.

-- The END --