

Dates of Tests: March 21, 2025
Test Site : LTA CO., LTD.

CERTIFICATION OF COMPLIANCE

FCC ID.

UDCCHR1356LR-8HT

APPLICANT

CEYON TECHNOLOGY CO.,LTD.

Equipment Class	:	Part 15 Low Power Communication Device Transmitter(DXX)
Manufacturing Description	:	factory automation
Manufacturer	:	CEYON TECHNOLOGY CO.,LTD.
Model name	:	CHR1356LR-8HT
Test Device Serial No.:	:	Identical prototype
Rule Part(s)	:	FCC Part 15.247 Subpart C ; ANSI C63.10 - 2013
Frequency Range	:	13.56 MHz
Data of issue	:	March 21, 2025

This test report is issued under the authority of:

The test was supervised by:



Eun-Hwan Jung, Manager



Jae-hum Yun, Test Engineer

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1. General information

1-1 Test Performed

Company name : LTA Co., Ltd.
Address : 243, Jubug-ri, Yangji-Myeon, Youngin-Si, Kyunggi-Do, Korea. 449-822
Web site : <http://www.ltalab.com>
E-mail : chahn@ltalab.com
Telephone : +82-31-323-6008
Facsimile : +82-31-323-6010

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the competents of calibration and testing laboratory”.

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity	Reference
RRA	KOREA		-	RRA accredited Lab.
	U.S.A	KR0049	2025-03-29	
	CANADA		2024-08-15	
VCCI	JAPAN	C-14948	2026-09-10	VCCI registration
		T-12416	2026-09-10	
		R-14483	2026-10-15	
		G-10847	2024-12-13	
KOLAS	KOREA	KT551	2025-10-12	KOLAS accredited Lab.

2. Information about test item

2-1 Client & Manufacturer

Client Company name : CEYON TECHNOLOGY CO.,LTD.
 Address : 13F Samsung Insurance B/D. #942-9, Ingye-Dong, Paldal-Gu, Suwon-
 City Gyeonggi-do South of Korea
 Tel / Fax : TEL No : +82-31-223-0003 / FAX No : +82-31-223-0003
 Manufacturer : CEYON TECHNOLOGY CO.,LTD.
 Address : 13F Samsung Insurance B/D. #942-9, Ingye-Dong, Paldal-Gu, Suwon-
 City Gyeonggi-do South of Korea
 Tel / Fax : TEL No : +82-31-223-0003 / FAX No : +82-31-223-0003

2-2 Equipment Under Test (EUT)

Model name : CHR1356LR-8HT
 Serial number : Identical prototype
 Date of receipt : February 11, 2025
 EUT condition : Pre-production, not damaged
 Antenna type : Pattern Antenna
 Frequency Range : 13.56 MHz
 Type of Modulation : FSK
 Power Source : DC 5 V

2-3 Tested frequency

	LOW	MID	HIGH
Frequency (MHz)		13.56	

2-4 Ancillary Equipment

Equipment	Model No.	Serial No.	Manufacturer
Notebook	-	MS-1736	MSI

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Limit	Test Condition	Status (note 1)
§1.1310 and §2.1091	RF EXPOSURE EVULATION	-	-	C

Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable

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3.2 RF EXPOSURE EVULATION

1.1 Limit

According to §1.1310 and §2.1091 RF exposure is calculated.

(B) Limits for General Population/Uncontrolled Exposures

Frequency range (MHz)	Electric field Strength (V/m)	Magnetic field Strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
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

1.2 MAXIMUM PERMISSIBLE EXPOSURE Prediction

- Calculated under the worst-case conditions of each mode.

RFID Mode

According to the calculation formula of power

$$E.I.R.P [dBm] = E[dBuV/m] + 20\log(d[m]) - 104.77$$

E is electric field strength in dBuV/m;

d is measurement distance in meters (m);

E.I.R.P.[dBm] is the equivalent isotropically radiated power in dBm(above 1GHz);

Modulation	Channel Freq. (MHz)	Maximum Field strenath @3m (dBuv/m)	Calculated E.I.R.P. (dBm)	Maximum Output power (mW)
FSK	13.56	51.34	-43.88	0.00004

Conditions for Simultaneous Transmission

$$0.001 \leq 3.0, \text{ for } 1g \text{ SAR}$$