

TEST REPORT



Dt&C Co., Ltd.

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1. Report No : DRTFCC2307-0081

2. Customer

- Name (FCC) : Iclo co.ltd
- Address (FCC) : 25, Seohonam-ro Seogwipo-si Jeju-do South Korea

3. Use of Report : FCC Original Grant

4. Product Name / Model Name : ICLO All in One Care System / ICLO001
FCC ID : 2BBTE-ICLO001

5. FCC Regulation(s) : Part 1.1310
Test Method Used : KDB 680106 D01 v03 r01

6. Date of Test : 2023.07.03

7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

8. Testing Environment : See appended test report.

9. Test Result : Refer to the attached test result.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
This test report is not related to KOLAS accreditation.

Affirmation	Tested by	Technical Manager
	Name : SeungMin Gil (Signature)	Name : JaeJin Lee (Signature)

2023 . 07 . 14 .

Dt&C Co., Ltd.

If this report is required to confirmation of authenticity, please contact to report@dtnc.net

Test Report Version

Test Report No.	Date	Description	Tested by	Reviewed by
DRTFCC2307-0081	Jul. 14, 2023	Initial issue	SeungMin Gil	JaeJin Lee

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1. Equipment information

1.1 Equipment description

FCC Equipment Class	Part 15 Low Power Transmitter Below 1705kHz (DCD)
Product Name	ICLO All in One Care System
Model Name	ICLO001
Add Model Name	-
Firmware Version Identification Number	1.0
EUT Serial Number	No Specified
Declared Frequency	116.3 kHz
Wireless charging output	10 W
Power Supply	DC 5 V
Antenna type	Coil Antenna

1.2 Support equipment

Support Equipment	Model Name	Manufacturer	Note
All-in-one Main Body	ICLO001	Iclo co.ltd	-

Note: The above equipment was supported by manufacturer.

2. Information about test items

2.1 Test Configuration and Mode

•Test configuration

The field strength of both E-field and H-field were measured at 15 cm using RF exposure survey meter with E-field and H-field probes for determining compliance with the MPE requirements of FCC Part 1.1310

These testing were performed at test configuration as test setup diagram on clause 3 of this test report.

During measurements, the EUT has been tested with client device.

Ant the EUT was loaded with the client device as described below summary table for test conditions.

Client device	Model Name	Wireless Charging Output	Note
All-in-one Main Body	ICLO001	10 W	-

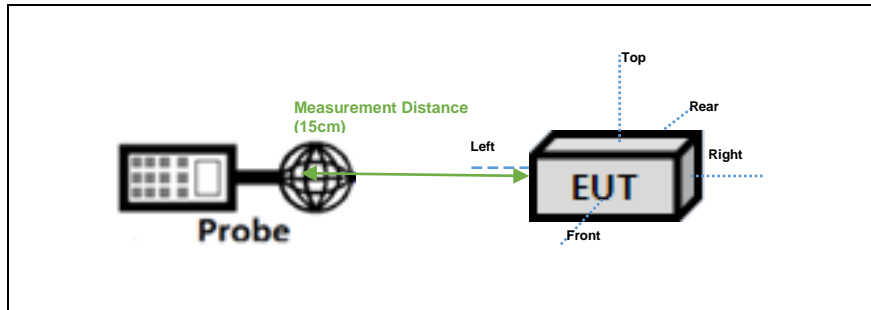
2.2 Testing environment

Temperature	:	21 °C ~ 23 °C
Relative humidity content	:	43 % ~ 46 %
Details of power supply	:	DC 5 V

3. E and H field strength

For RF exposure purposes, the E and H field strengths are measured separately with E and H probes and meters at different locations surrounding the test setup.

▪ Test setup diagram



▪ Measurement procedure: KDB 680106

These testing were performed at test configuration as above diagram.

EUT was placed on a turntable, and the measurement distance of 15 cm from the center of the probe to the edge of the device. And test was performed all sides of the EUT(except bottom side).

▪ Limit

This device uses a wireless charging circuit for power transfer operating at the frequency of 110 kHz ~ 205 kHz. Thus, the 300 kHz RF exposure limits were used as below table.

	Frequency	E-Field limit	H-Field limit
FCC Part 1.1310	300 kHz ~ 3 MHz	614 V/m	1.63 A/m

▪Measurement data:

Measurements were performed on the lowest, middle and highest frequency within the frequency range of operation, and worst case data was reported

Test Frequency	E-field(V/m)					Limit(V/m)
	Front	Rear	Right	Left	Top	FCC
116.3 kHz	1.06	0.87	1.35	0.69	1.42	614
-	-	-	-	-	-	
-	-	-	-	-	-	

Test Frequency	H-field(A/m)					Limit(A/m)
	Front	Rear	Right	Left	Top	FCC
116.3 kHz	0.03	0.03	0.04	0.03	0.03	1.63
-	-	-	-	-	-	
-	-	-	-	-	-	

•Test equipment list

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next. Cal.Date (yy/mm/dd)	S/N
Exposure Level Tester	NARDA	ELT-400	23/06/23	24/06/23	N-0342
B-Field Probe	NARDA	B-Field Probe 100Cm2	23/06/23	24/06/23	M-0779
Magnetic Field Meter	WaveControl	SMP2	23/06/23	24/06/23	20SN1409
E&H Field Probe	WaveControl	WP400	23/06/23	24/06/23	20WP100706
Thermohygrometer	BODYCOM	BJ5478	22/12/16	23/12/16	120612-2

Appendix I

EQUIPMENT APPROVAL CONSIDERATIONS

- (1) Power transfer frequency is less than 1 MHz.
 - Yes.
- (2) Output power from each primary coil is less than or equal to 15 watts.
 - 10W.
- (3) The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.
 - The transfer systems including a charging system with one primary coils is detect and allow only between individual pairs of coils.
- (4) Client device is placed directly in contact with the transmitter.
 - Client device is placed directly in contact with the transmitter.
- (5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
 - Yes, Mobile exposure conditions only.
- (6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.
 - The H-field strengths less than 50% of the applicable MPE limit.