

TEST REPORT



Dt&C Co., Ltd.

42, Yurim-ro, 154Beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 17042
Tel : 031-321-2664, Fax : 031-321-1664

1. Report No : DRTFCC2512-0099

2. Customer

• Name (FCC) : Addition LLC

• Address (FCC) : 90 MADISON ST STE 303, DENVER, Colorado, United States

3. Use of Report : FCC Original Certification

4. Product Name / Model Name : Dedicated charger for ALMA / ACT

FCC ID : 2BRGIACT

5. FCC Regulation(s) : Part 1.1310

Test Method Used : KDB 680106 D01 v04

6. Date of Test : 2025.08.27 ~ 2025.10.23

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 : SeokHo Han 	Name : JaeJin Lee 

2025 . 12 . 30 .

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
DRTFCC2512-0099	Dec. 30, 2025	Initial issue	SeokHo Han	JaeJin Lee

CONTENTS

1. Equipment information	4
1.1. Equipment description	4
1.2. Support equipment.....	4
2. Information about test items	5
2.1. Test Configuration and Mode	5
2.2. Testing Environment	5
3. E and H field strength	6
Appendix I.....	9

1. Equipment information

1.1. Equipment description

FCC Equipment Class	Part 15 Low Power Transmitter Below 1705kHz(DCD)
Product Name	Dedicated charger for ALMA
Model Name	ACT
Add Model Name	-
Firmware Version Identification Number	1.0
EUT Serial Number	No Specified
Declared Frequency	128 kHz
Wireless charging output	Max : 7.5 W
Power Supply	DC 12 V
Antenna type	Coil Antenna

1.2. Support equipment

Support Equipment	Model Name	Manufacturer	Note
Client Device	WS-QFTJ01	WARP Solution Inc.	-

Note: The above equipment was supported by manufacturer.

2. Information about test items

2.1. Test Configuration and Mode

•Test configuration

The field strengths of both E-field and H-field were measured at 20 cm using RF exposure survey meter with E-field and H-field probes to determine compliance with the MPE requirements of FCC Part 1.1310

The measurements were performed in the test configuration shown in section 3 of this test report.

During the measurement, the EUT was tested in conjunction with a client device.

The EUT was loaded with the client device as summarized in the test condition table below.

Client device	Model Name	Wireless Charging Output	Note
Client Device	WS-QFTJ01	7.5 W	-

The EUT has 10 loop coil antennas, each of which is capable of charging one client device placed in physical contact with its surface. The system is designed to allow multiple coils to be energized simultaneously, enabling up to 10 client devices to be charged at the same time.

Measurements were performed in two operating modes:

- Charging mode with 10 client devices simultaneously
- Idle mode

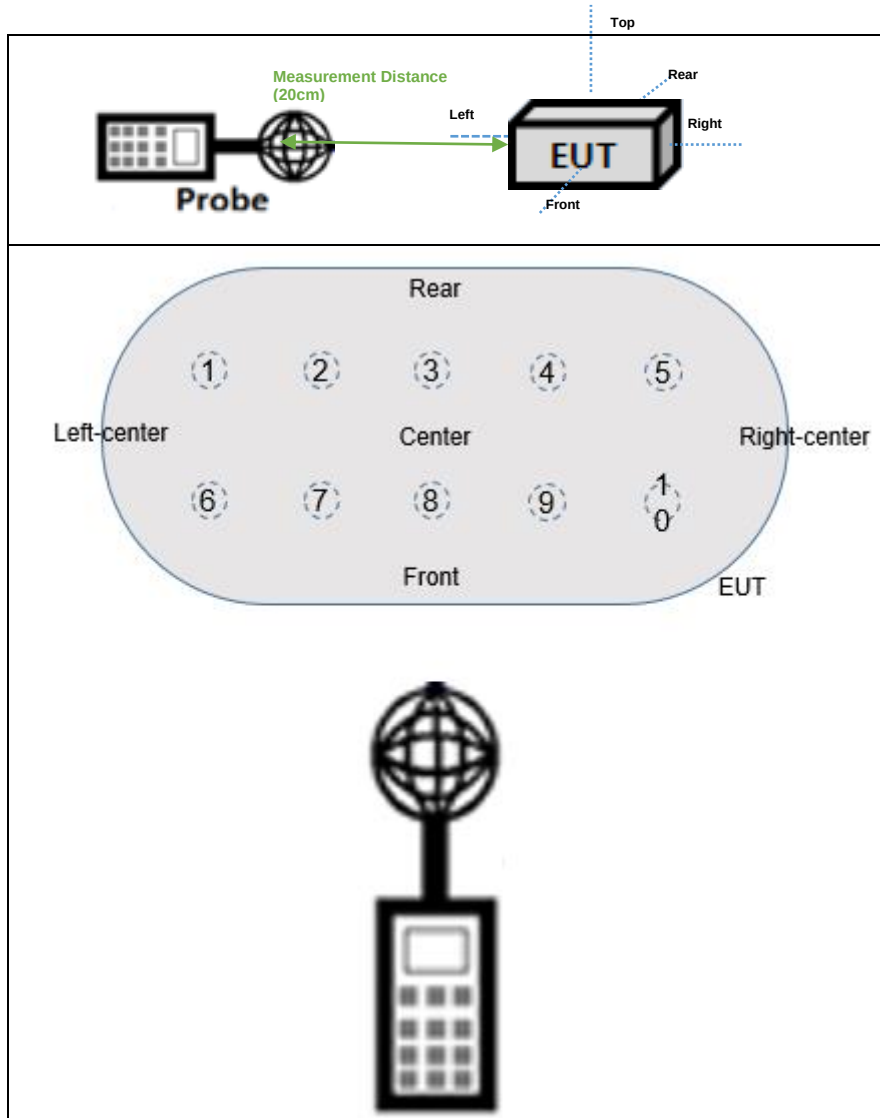
2.2. Testing Environment

Ambient Condition	
▪ Temperature	20 °C ~ 24 °C
▪ Relative Humidity	40 % ~ 55 %

3. E and H field strength

For RF exposure purposes, the E-field and H-field strengths were measured separately using E-field and H-field probes connected to an field meter, at various locations surrounding the test setup.

▪ Test setup diagram



▪ Measurement procedure:

These testing were performed in the test configuration shown in the above diagram.

The measurement distance was 20 cm, defined from the center of the probe to the edge of the EUT.

Measurements were performed on all sides of the EUT(except the bottom side).

The probe was oriented as described at each measurement position around the EUT, and measurements were performed accordingly and the worst-case result was reported.

The probe directions were defined as follows:

Front side: positions No. 6 ~ 10

Left side: positions No. 1, 6 and Left-center

Right side: positions No. 5, 10 and Right-center

Rear side: positions No. 1 ~ 5

Top side: positions No. 1 ~ 10 and center

• Limit

This device uses a wireless charging circuit for power transfer operating at the frequency of 128 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:

Mode	Side of EUT	Position	E-field(V/m)	Limit(V/m)
Charging	Front	9	1.17	614
Charging	Rear	3	1.23	614
Charging	Right	Right-Center	1.21	614
Charging	Left	Left-Center	1.28	614
Charging	Top	Center	1.17	614
Idle	Front	9	1.04	614
Idle	Rear	3	0.97	614
Idle	Right	Right-Center	0.93	614
Idle	Left	Left-Center	1.07	614
Idle	Top	Center	0.97	614

Mode	Side of EUT	Position	H-field(A/m)	Limit(A/m)
Charging	Front	8	0.05	1.63
Charging	Rear	3	0.05	1.63
Charging	Right	Right-Center	0.04	1.63
Charging	Left	Left-Center	0.04	1.63
Charging	Top	Center	0.08	1.63
Idle	Front	8	0.06	1.63
Idle	Rear	3	0.06	1.63
Idle	Right	Right-Center	0.05	1.63
Idle	Left	Left-Center	0.06	1.63
Idle	Top	Center	0.21	1.63

•Test equipment list

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next. Cal.Date (yy/mm/dd)	S/N
Broadband Field Meter	NARDA	NBM-550	24/12/03	25/12/03	E-1275
E-Field Probe	NARDA	EF-0391	24/12/03	25/12/03	D-0894
Magnetic Field Meter	WaveControl	SMP2	25/06/02	26/06/02	20SN1409
E&H Field Probe	WaveControl	WP400	25/06/02	26/06/02	20WP100706
Thermohygrometer	BODYCOM	BJ5478	24/12/05	25/12/05	120612-2

Appendix I

EQUIPMENT APPROVAL CONSIDERATIONS

(1) The power transfer frequency is below 1 MHz.

- Yes.

(2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.

- 7.5 W per coil

(3) A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)

- The client device is placed directly in physical contact with the charging surface of the transmitter.

(4) Only § 2.1091-*Mobile* exposure conditions apply (i.e., this provision does not cover § 2.1093-*Portable* exposure conditions).

- Mobile exposure conditions only.

(5) The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a $1/d$ (inverse distance from the emitter structure) field strength decay is observed.

Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.

- The EUT was tested with all coils operating at maximum power, and the measured H-field levels at 20 cm were below 50 % of the applicable MPE limit.

(6) For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.

- Testing was performed with all 10 coils energized and fully loaded, as well as with a single coil at maximum power. In both cases, the aggregate H-field levels were less than 50% of the MPE limit.

- End of test report -