

TEST REPORT

FCC MPE Test for UTR 3.0
Certification

APPLICANT
Mobile Appliance, Inc.

REPORT NO.
HCT-RF-2604-FC005-R1

DATE OF ISSUE
June 24, 2026

Tested by
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Technical Manager
Kwon Jeong



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TEST REPORT

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Additional Model

Universal Traffic Recorder 3, Lamborghini Eye 3.0

Applicant**Mobile Appliance, Inc.**

1701~1706, 401, Simin-daero, Dongan-gu, Anyang-si, Gyeonggi-do, Republic of Korea

**Product Name
Model Name**

Dashcam Front
UTR 3.0

FCC ID

WHBUTR3

Date of Test

March 11, 2026 ~ April 20, 2026
March 18, 2026 ~ May 08, 2026

Frequency range

2 402 MHz ~ 2 480 MHz (BT LE)
2 412 MHz ~ 2 472 MHz (WLAN)
5 755 MHz ~ 5 775 MHz (UNII)
24 075 MHz ~ 24 175 MHz (24 GHz Radar)

Test Standard Used

§ 1.1310, § 2.1091

Test Results

PASS

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing Lab
(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	April 22, 2026	Initial Release
1	June 24, 2026	Revised the BTLE antenna gain and MPE calculations.

Notice

Content

Engineering Statement:

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

RF Exposure Statement

1. Limit

According to § 1.1310, § 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)
0.3 - 1.34.....	614	1.63	^(a) (100)	30
1.34 - 30.....	824/f	2.19/f	^(a) (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

^(a) = Plane-wave equivalent power density

2. Maximum Permissible Exposure Prediction

Prediction of MPE limit at a given distance

$$S = PG/4\pi R^2$$

S = Power density

P = Power input to antenna

G = Power gain to the antenna in the direction of interest relative to an isotropic radiator

R = Distance to the center of radiation of the antenna

3. RESULTS

3-1. Bluetooth LE

Average output Power at antenna input terminal	7.00	dBm
Average output Power at antenna input terminal	5.01	mW
Prediction distance	20.00	cm
Prediction frequency	2 402 ~ 2 480	MHz
Antenna Gain(typical)	1.99	dBi
Antenna Gain(numeric)	1.581	-
Power density at prediction frequency(S)	0.0016	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

3-2. DTS

Average output Power at antenna input terminal	20.00	dBm
Average output Power at antenna input terminal	100.00	mW
Prediction distance	20.00	cm
Prediction frequency	2 412 ~ 2 472	MHz
Antenna Gain(typical)	2.24	dBi
Antenna Gain(numeric)	1.675	-
Power density at prediction frequency(S)	0.0333	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

3-3. UNII 5 GHz

Average output Power at antenna input terminal	15.00	dBm
Average output Power at antenna input terminal	31.62	mW
Prediction distance	20.00	cm
Prediction frequency	5 755 ~ 5 775	MHz
Antenna Gain(typical)	1.16	dBi
Antenna Gain(numeric)	1.306	-
Power density at prediction frequency(S)	0.0082	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

3-4. 24 GHz Radar

EIRP[Radiated Power]	11.00	dBm
EIRP[Radiated Power]	12.59	mW
Prediction distance	20.00	cm
Prediction frequency	24 150	MHz
Power density at prediction frequency(S)	0.0025	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²