

MPE Test Report

FCC ID: 2BBWQ-VM-EVM-0307

Report No. : SSP26010478-2H

Applicant : Vonmaehlen GmbH

Product Name : Evergreen Mag

Model Name : VM-EVM-03, VM-EVM-07

Test Standard : FCC CFR 47 PART 1, 1.1310

Date of Issue : 2026-03-26

Shenzhen CCUT Quality Technology Co., Ltd.

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This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

Test Report Basic Information

Applicant.....: Vonmaehlen GmbH
Address of Applicant.....: Vor dem Bardowicker Tore 49, 21339 Lueneburg, Germany
Manufacturer.....: Vonmaehlen GmbH
Address of Manufacturer.....: Vor dem Bardowicker Tore 49, 21339 Lueneburg, Germany

Product Name.....: Evergreen Mag
Brand Name.....: Vonmählen
Model Name.....: VM-EVM-03, VM-EVM-07

Test Standard.....: FCC CFR 47 PART 1, 1.1310
KDB 680106 D01 Wireless Power Transfer v04
Date of Test: 2026-01-20 to 2026-02-28
Test Result.....: PASS

Tested By: Tate Chen (Tate Chen)
Reviewed By.....: Lorzix Luo (Lorzix Luo)
Authorized Signatory.....: Lahm Peng (Lahm Peng)



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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2026-03-26	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	Evergreen Mag
Trade Name:	Vonmählen
Test Model:	VM-EVM-03, VM-EVM-07
Rated Voltage:	USB-C Input: 5V=3A / 9V=2.22A USB-C Output: 5V=2A / 9V=2.22A Wireless Output: 15W Max USB-C + Wireless Output: 5W+5W=10W Max
Battery:	DC 3.85V, 10000mAh, 38.5Wh
Test Sample No:	SSP26010478-1
Hardware Version:	V1.0
Software Version:	V1.0
Note 1: The test data is gathered from a production sample, provided by the manufacturer. Note 2: The appearance and model name of series models listed are different from the main model, and the position of the USB interface on the VM-EVM-07 is different from that of the VM-EVM-03, the circuit board has reserved two USB interfaces, so the circuit and the electronic construction are the same, declared by the manufacturer.	

Wireless Specification	
Wireless Standard:	WPC (QI)
Operating Frequency:	Wireless charging Output (Phone):110.5kHz-205kHz / 360kHz
Modulation:	FSK
Antenna Gain:	0dBi
Type of Antenna:	Coil Antenna
Type of Device:	☒ Portable Device ☐ Mobile Device ☐ Modular Device

1.2 Test Setup Information

List of Test Modes			
Test Mode	Description	Remark	
TM1	Wireless charging 5W	-	
TM2	Wireless charging 7.5W	-	
TM3	Wireless charging 10W	-	
TM4	Wireless charging 15W	-	
TM5	Wireless charging 5W+ Type-C Output	-	
Note 1: All modes above have been tested and only the worst modes: TM4, data are represented in the report.			
List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
USB cable	100	Unshielded	Without Ferrite
-	-	-	-
List and Details of Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
Adapter	XIAOMI	MDY-14-EU	45461/A62505U102607S
Phone	iPhone	iPhone 12pro	N/A

1.3 Test Facilities

Laboratory Name:	Shenzhen CCUT Quality Technology Co., Ltd. 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6983.01
FCC Registration No:	583813
ISED Registration No.:	CN0164

1.4 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Electromagnetic radiation tester	WAVECONTROL	SMP3	23SL0158	2025-07-16	2026-07-15
Electromagnetic field probe	WAVECONTROL	WP400-3	24WP240067	2025-07-16	2026-07-15
Test Software	WAVECONTROL	SMP	N/A	N/A	N/A

Probe radius: 1.65CM

1.5 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
E-field	10Hz ~ 100kHz	± 2.6%
	100kHz ~ 400kHz	± 4.9%
H-field	10Hz ~ 3kHz	± 2.5%
	3kHz ~ 10kHz	± 2.6%
	10kHz ~ 100kHz	± 4.3%
	100kHz ~ 400kHz	± 5.0%

2. RF Exposure

2.1 Standard and Limit

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
(A) Limits for Occupational/Controlled Exposures				
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
300–1500	--	--	f/300	6
1500–100,000	--	--	5	6
(B) 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
300–1500	--	--	f/1500	30
1500–100,000	--	--	1.0	30

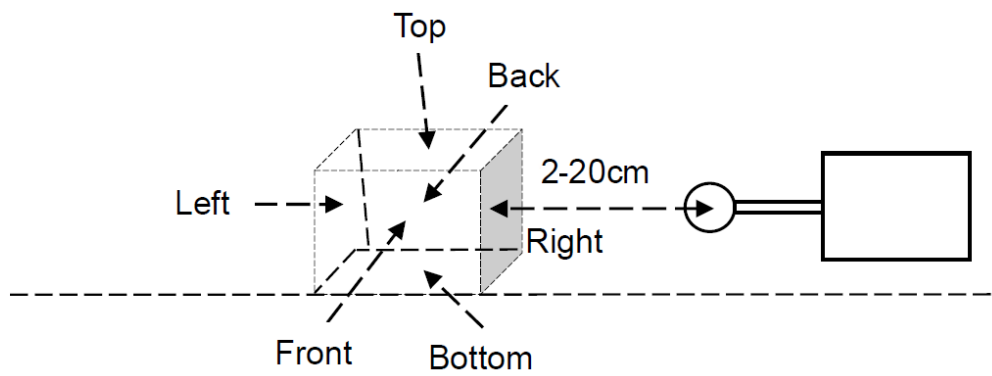
f = frequency in MHz

2.2 Test Procedures

The EUT was measured according to the KDB 680106 D01v04.

- 1) The RF exposure test was performed in an anechoic chamber.
- 2) The measurement probe was placed at test distance(2~20cm) which is between the edge of the wireless charger and the geometric center of probe for portable exposure, and the measurement probe was placed at test distance(20~24cm) which is between the edge of the wireless charger and the geometric center of probe for mobile exposure.
- 3) Choose the worst mode among battery with zero/partial/full charge, then perform measurement.
- 4) The highest emission level was recorded and all sides (A, B, C, D, E, F) were completed.
- 5) Calculate the final E/H-field strength.

2.3 Test Setup Block Diagram



Note: Front side = A, Right side = B, Back side = C, Left side = D, Top side = E, Bottom side = F.

2.4 Test Data and Results

For portable exposure conditions:

Operating modes with client device (1 %, 50%, 99% battery status of client device) have been tested, only show the data of worst case of battery status of client device.

H-field measurements taken every 2 cm (starting as close to 20 cm as possible) on each side of the device were also evaluated for portable exposure use condition.

Test Mode: TM4(the worst mode)

Transmitter Battery Level: 99%

Test Distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)
2	0.685	0.855	0.859	0.787	0.683	0.701
4	0.187	0.337	0.316	0.417	0.361	0.381
6	0.099	0.297	0.297	0.287	0.255	0.187
8	0.085	0.198	0.195	0.198	0.137	0.067
10	0.047	0.045	0.081	0.166	0.078	0.059
12	0.038	0.061	0.074	0.135	0.058	0.043
14	0.029	0.053	0.071	0.081	0.045	0.038
16	0.025	0.045	0.066	0.06	0.033	0.028
18	0.022	0.033	0.062	0.042	0.026	0.021
20	0.016	0.016	0.015	0.021	0.017	0.015

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
2	0.548	0.684	0.687	0.630	0.546	0.561	0.548
4	0.150	0.270	0.253	0.334	0.289	0.305	0.150
6	0.079	0.238	0.238	0.230	0.204	0.150	0.079
8	0.068	0.158	0.156	0.158	0.110	0.054	0.068
10	0.038	0.036	0.065	0.133	0.062	0.047	0.038
12	0.030	0.049	0.059	0.108	0.046	0.034	0.030
14	0.023	0.042	0.057	0.065	0.036	0.030	0.023
16	0.020	0.036	0.053	0.048	0.026	0.022	0.020
18	0.018	0.026	0.050	0.034	0.021	0.017	0.018
20	0.013	0.013	0.012	0.017	0.014	0.012	0.013

Note: H-field(A/m) = H-field(uT)/1.25.

Using Polynomial order 10, the value of 4 cm and 6 cm can be estimated, and the result of comparison meets the requirements (<30%), therefore, the calculation method is acceptable.

Distance: 4cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.150	0.270	0.253	0.334	0.289	0.305
Measure Value (A/m)	0.149	0.269	0.252	0.333	0.288	0.304
Agreement Ratio (%)	-0.67%	-0.37%	-0.40%	-0.30%	-0.35%	-0.33%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Distance: 6cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.079	0.238	0.238	0.230	0.204	0.150
Measure Value (A/m)	0.078	0.236	0.237	0.229	0.203	0.149
Agreement Ratio (%)	-1.27%	-0.84%	-0.42%	-0.43%	-0.49%	-0.67%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Based on the above results, using Polynomial order 10, the value of 0 cm can be estimated as below.

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
0	0.97	0.89	1.5	1.17	1.15	1.18	1.63
Test Results: PASS							

Annex A. Test Photos

Test View 1



Test View 2



Test View 3



Test View 4



Test View 5



Test View 6



******* END OF REPORT *******