FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

CE LINK LIMITED

Wireless Car Charger

Model Number: MPP25-1TENB

FCC ID: A4X-MPP25-1TENB

Applicant:	CE LINK LIMITED
Address:	22 Dongkang Road, Dalingshan Town, Dongguan City,
	Guangdong Province, China
Prepared By:	EST Technology Co., Ltd.
	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
Tel: 86-769-83081888-808	

Report Number:	ESTE-R2609254
Date of Test:	Aug. 08, 2026 to Sep. 10, 2026
Date of Report:	Sep. 22, 2026

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Applicant: **Address:**	CE LINK LIMITED 22 Dongkang Road, Dalingshan Town, Dongguan City, Guangdong Province, China		
Manufacturer: **Address:**	CE LINK LIMITED 22 Dongkang Road, Dalingshan Town, Dongguan City, Guangdong Province, China		
E.U.T:	Wireless Car Charger		
Model Number:	MPP25-1TENB		
Power Supply:	Input: 15V⎓2.4A Output: 25W Max		
Trade Name:	CE-LINK	Sample No.:	EST-260420023-002
Date of Receipt:	Aug. 08, 2026	Date of Test:	Aug. 08, 2026 to Sep. 10, 2026
Test Specification:	FCC Part 15 Subpart C ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024		
Test Result:	The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd. **Date:** Sep. 28, 2026		

Prepared by:	Reviewed by:	Approved by:
Zephyr Zhu		
Zephyr Zhu / Assistant	Seven Wang / Engineer	Iceman Hu / Manager

Other Aspects:
None.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd. The statement of compliance in this report is based on the limit in the test standard, the measurement uncertainty is not considered.

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name	:	Wireless Car Charger
Model Number	:	MPP25-1TENB
Software Version	:	N/A
Hardware Version	:	N/A
Operation Frequency	:	5W/7.5W/10W: 110.5kHz-205kHz 15W/25W: 360kHz
Max Wireless Charge Power	:	25W Max
Max Field Strength of Fundamental	:	73.28 dBμV/m
Modulation Type	:	FSK
Antenna Type	:	Induction coil
Sample Type	:	Prototype production
Note: The product information is provided by the manufacturer. The laboratory is not responsible for this data.		

2. SUMMARY OF TEST

2.1. Summary of test result

No.	Description of Test Item	FCC Standard Section	Results
1	Radiated Emission	15.205 15.209	PASS
2	20dB Occupied Bandwidth	15.215	PASS
3	AC Power Line Conducted Emissions	15.207	N/A
4	Antenna Requirement	15.203	PASS

Note: “N/A” denotes test is not applicable in this test report.

2.2. Test Facilities

EMC Lab : Accredited by CNAS, CHINA
Registration No.: L5288
This Accreditation is valid until: November 12, 2029

Recognized by FCC, USA
Designation Number: CN1215
This Recognition is valid until: January 31, 2028

Accredited by A2LA, USA
Registration No.: 4366.01
This Accreditation is valid until: January 31, 2028

Recognized by Industry Canada
CAB identifier No.: CN0035
This Recognition is valid until: January 31, 2028

Recognized by VCCI, Japan
Registration No.:C-14103; T-20073; R-13663;
R-20103; G-20097
Date of registration: Apr. 20, 2026
This Recognition is valid until: Apr. 19, 2029

Recognized by TUV Rheinland, Germany
Registration No.: UA 50413872 0001
Date of registration: July 31, 2018

Recognized by Intertek
Registration No.: 2011-RTL-L2-64
Date of registration: November 08, 2018

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China

2.3. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for spurious emissions test (9kHz-30MHz)	±2.88

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

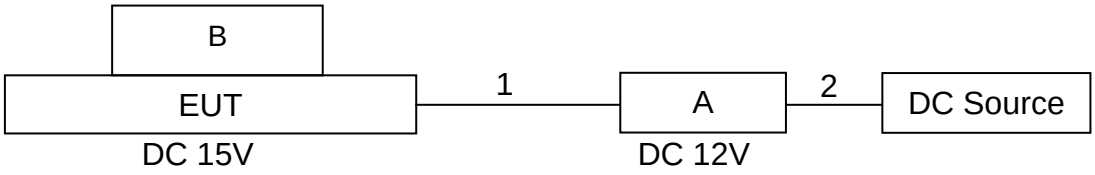
2.4. Assistant equipment used for test

Item	Equipment	Brand	Model Name/Type No.	FCC ID	Series No.
A	Adapter	-	PDC65-2TNA	-	-
B	Wireless load	-	YBZ MPP	-	-

Item	Shielded Type	Ferrite Core	Length	Model Name/Type No.	Note
1	NO	NO	0.6m	-	USB Line
2	NO	NO	1m	-	DC Line

2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground.



DC 15V From Car Adapter Input DC 12V

(EUT: Wireless Car Charger)

2.6. Test Mode

The test mode was selected for the final test as listed below.

Test Item	Test Mode
Radiated Emission	Wireless Charging with 5W
	Wireless Charging with 7.5W
	Wireless Charging with 10W
	Wireless Charging with 15W
	Wireless Charging with 25W
	Standby

Note: The 7.5W and 25W is worst case, will be recorded in the report.

2.7. Test Equipment List

For radiated emission test(9kHz-30MHz)					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR3	EST-E049	Jun. 11, 2026	Jun. 10, 2027
Active Loop Antenna	SCHWAREBECK	FMZB 1519B	EST-E054	Jun. 11, 2026	Jun. 10, 2027
Cable	/	/	EST-E314	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

For radiated emissions test (30MHz-1000MHz)					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E105	Jun. 11, 2026	Jun. 10, 2027
Bilog Antenna	Teseq	CBL 6111D	EST-E104	Jun. 11, 2026	Jun. 10, 2027
Cable	/	/	EST-E327	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A
Note: Test uncertainty: ±4.74 dB (H);±4.98 dB (V) at a level of confidence of 95%.(5#966)					

Note: All calibration reports of the equipment were provided by LiSai calibration and Testing

3. RADIATED EMISSION

3.1. Limit

15.209 Radiated emission limits

Frequency (MHz)	Field Strength(μV/m)	Distance(m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

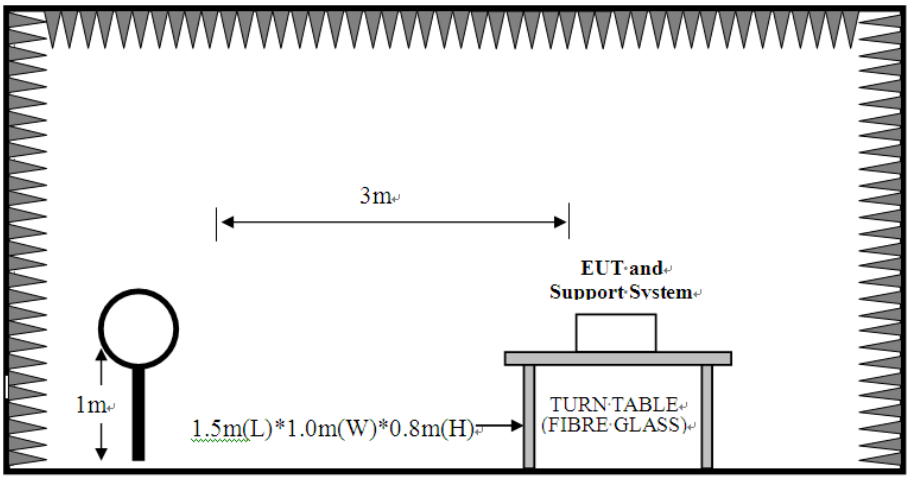
1. Emission level dBμV = 20 log Emission level μV/m.
2. The smaller limit shall apply at the cross point between two frequency bands.
3. Distance is the distance in meters between the measuring instrument,antenna and the closest point of any part of the device or system

15.205 Restricted frequency band

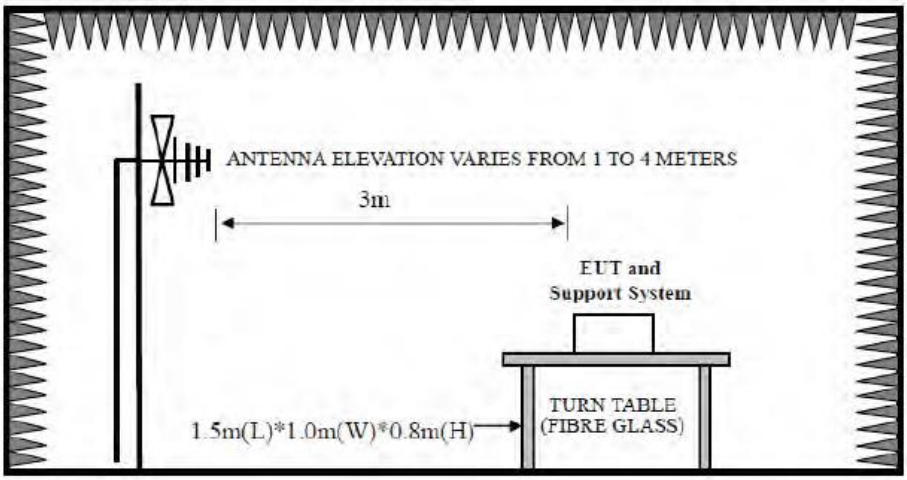
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

3.2. Test Setup

9kHz~30MHz



30~1000MHz



3.3. Spectrum Analyzer Setting

For 9KHz-150KHz

Spectrum Parameters	Setting
RBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
VBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
Start frequency	9KHz
Stop frequency	150KHz
Sweep Time	Auto
Detector	PEAK/QP/AVG
Trace Mode	Max Hold

For 150KHz-30MHz

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

For 30MHz-1000MHz

Spectrum Parameters	Setting
RBW	120KHz
VBW	300KHz
Start frequency	30MHz
Stop frequency	1000MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

3.4. Test Procedure

a. EUT was placed on a turn table, which is 0.8 meter high above ground.
b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
c. Set the EUT transmit continuously with maximum output power.
d. Spectrum analyzer setting parameters in accordance with section 3.3.
e. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
f. For below 30MHz test, the center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates both coaxial and coplanar polarization to find out the maximum emission level.
g. For above 30MHz test, the antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both coaxial and coplanar polarization of the antenna are set on test.
h. Record the results in the test report.

Note:

1. For emissions below 30MHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
2. For emissions below 30MHz, if peak level comply with QP limit, then the QP level is deemed to comply with QP limit.

3.5. Test Result

Radiated Emission Below 30MHz

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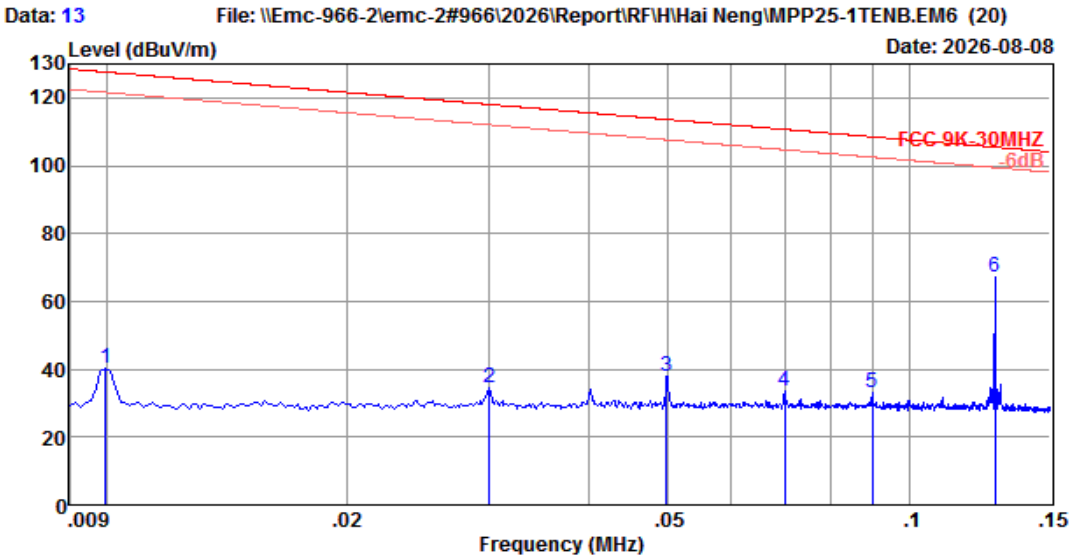

Site no. : 2# 966 chamber Data no. : 13
Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COAXIAL
Limit : FCC 9K-30MHZ
Env. / Ins. : Temp:24.3℃;Humi:56%;Press:101.5kPa
Engineer : Eric Lin
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
7.5W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0100	19.50	0.03	20.97	40.50	127.62	87.12	Peak
2	0.0300	19.60	0.03	14.98	34.61	118.06	83.45	Peak
3	0.0499	19.60	0.03	18.11	37.74	113.64	75.90	Peak
4	0.0701	19.70	0.03	13.71	33.44	110.70	77.26	Peak
5	0.0899	19.80	0.03	13.08	32.91	108.53	75.62	Peak
6	0.1280	20.00	0.03	47.34	67.37	105.46	38.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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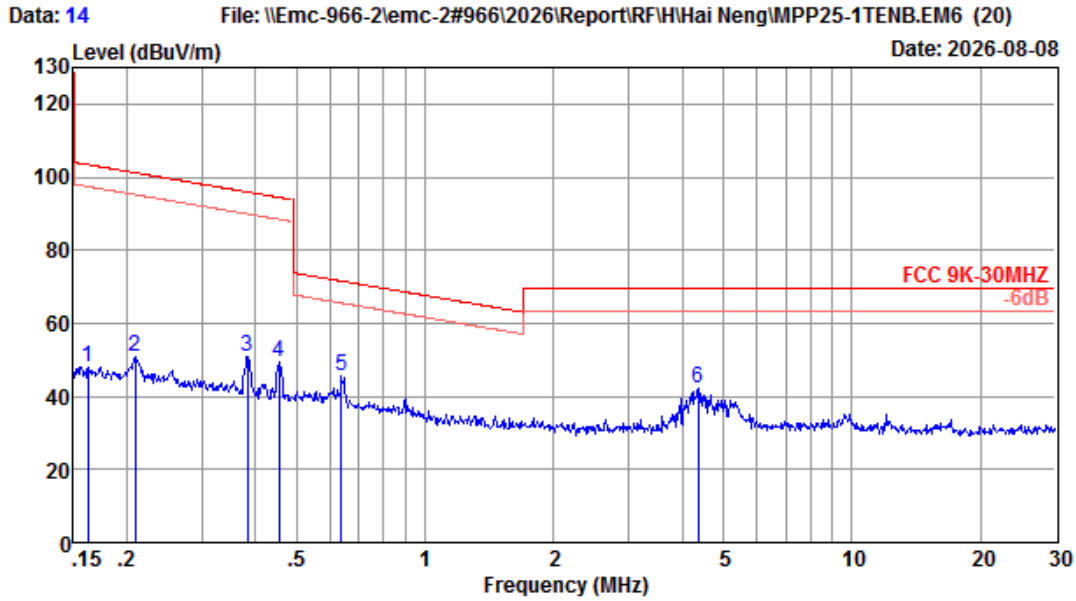

Site no. : 2# 966 chamber Data no. : 14
Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COAXIAL
Limit : FCC 9K-30MHZ
Env. / Ins. : Temp:24.3℃;Humi:56%;Press:101.5kPa
Engineer : Eric Lin
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
7.5W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1624	19.90	0.03	28.27	48.20	103.39	55.19	Peak
2	0.2094	19.86	0.03	30.88	50.77	101.18	50.41	Peak
3	0.3832	19.77	0.03	31.02	50.82	95.94	45.12	Peak
4	0.4539	19.72	0.03	29.62	49.37	94.46	45.09	Peak
5	0.6372	19.73	0.02	25.92	45.67	71.52	25.85	Peak
6	4.3606	20.07	0.12	21.81	42.00	69.54	27.54	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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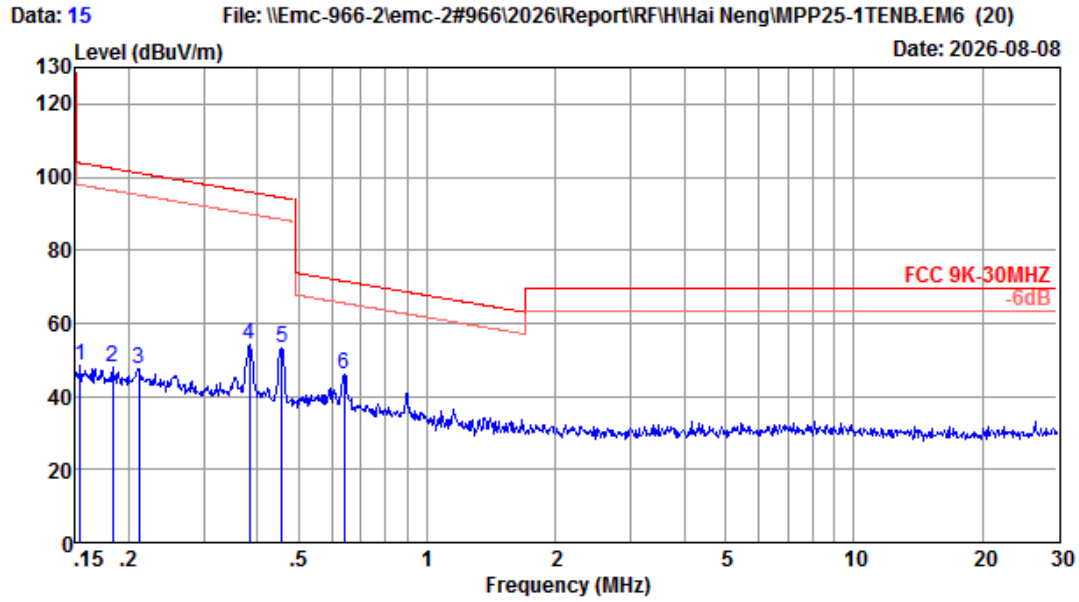

Site no. : 2# 966 chamber Data no. : 15
Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COPLANAR
Limit : FCC 9K-30MHZ
Env. / Ins. : Temp:24.3℃;Humi:56%;Press:101.5kPa
Engineer : Eric Lin
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
7.5W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1540	19.90	0.03	28.35	48.28	103.85	55.57	Peak
2	0.1835	19.88	0.03	27.85	47.76	102.33	54.57	Peak
3	0.2117	19.86	0.03	27.70	47.59	101.09	53.50	Peak
4	0.3832	19.77	0.03	34.57	54.37	95.94	41.57	Peak
5	0.4564	19.72	0.03	33.41	53.16	94.42	41.26	Peak
6	0.6406	19.73	0.02	26.10	45.85	71.47	25.62	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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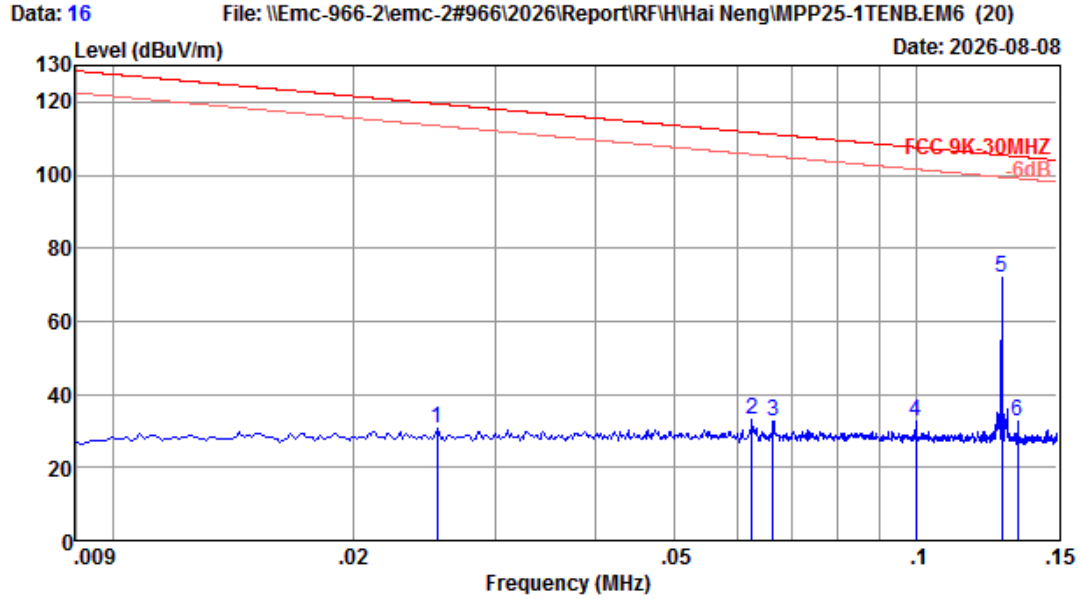

Site no. : 2# 966 chamber Data no. : 16
Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COPLANAR
Limit : FCC 9K-30MHZ
Env. / Ins. : Temp:24.3℃;Humi:56%;Press:101.5kPa
Engineer : Eric Lin
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
7.5W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0254	19.60	0.03	11.08	30.71	119.52	88.81	Peak
2	0.0624	19.70	0.03	13.49	33.22	111.70	78.48	Peak
3	0.0664	19.70	0.03	13.07	32.80	111.16	78.36	Peak
4	0.0999	19.80	0.03	12.96	32.79	107.61	74.82	Peak
5	0.1280	20.00	0.03	51.98	72.01	105.46	33.45	Peak
6	0.1339	20.00	0.03	12.71	32.74	105.07	72.33	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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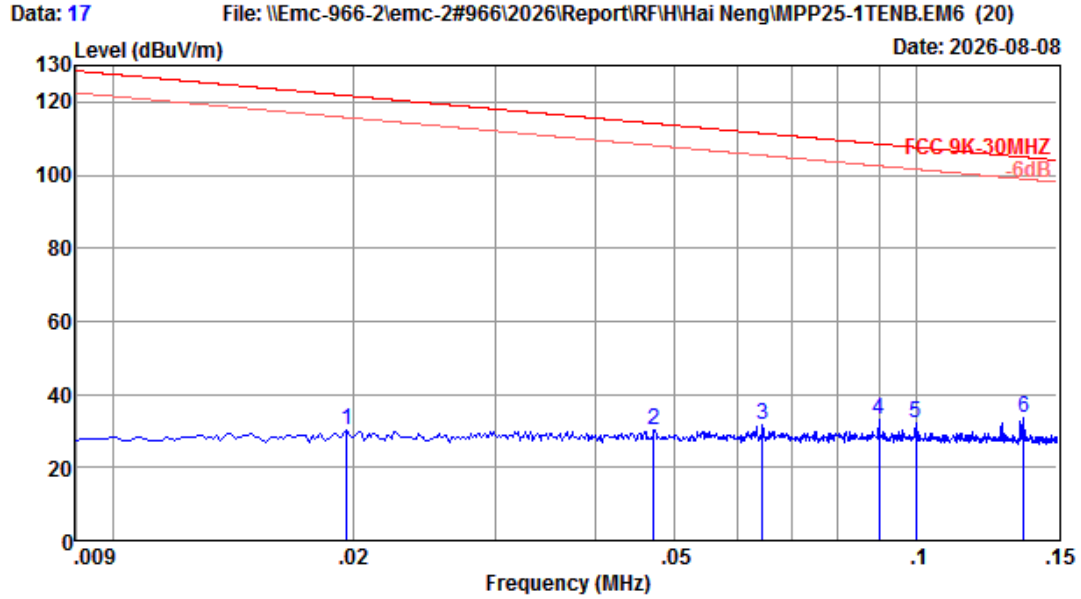

Site no. : 2# 966 chamber Data no. : 17
Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COAXIAL
Limit : FCC 9K-30MHZ
Env. / Ins. : Temp:24.3℃;Humi:56%;Press:101.5kPa
Engineer : Eric Lin
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
25W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0196	19.50	0.03	10.50	30.03	121.77	91.74	Peak
2	0.0472	19.60	0.03	10.73	30.36	114.12	83.76	Peak
3	0.0644	19.70	0.03	11.71	31.44	111.42	79.98	Peak
4	0.0901	19.80	0.03	13.50	33.33	108.51	75.18	Peak
5	0.0999	19.80	0.03	12.41	32.24	107.61	75.37	Peak
6	0.1360	20.00	0.03	13.45	33.48	104.93	71.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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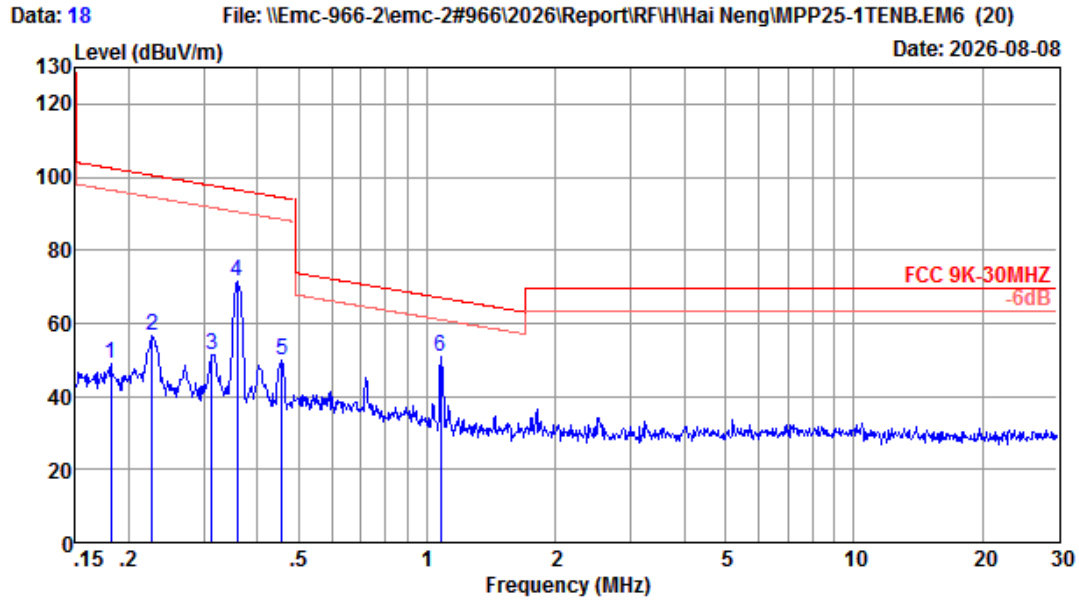

Site no. : 2# 966 chamber Data no. : 18
Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COAXIAL
Limit : FCC 9K-30MHZ
Env. / Ins. : Temp:24.3℃;Humi:56%;Press:101.5kPa
Engineer : Eric Lin
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
25W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1815	19.88	0.03	28.96	48.87	102.43	53.56	Peak
2	0.2268	19.86	0.03	36.53	56.42	100.49	44.07	Peak
3	0.3133	19.81	0.03	31.62	51.46	97.69	46.23	Peak
4	0.3596	19.77	0.03	51.44	71.24	96.49	25.25	Peak
5	0.4564	19.72	0.03	29.94	49.69	94.42	44.73	Peak
6	1.0767	19.81	0.02	31.17	51.00	66.96	15.96	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

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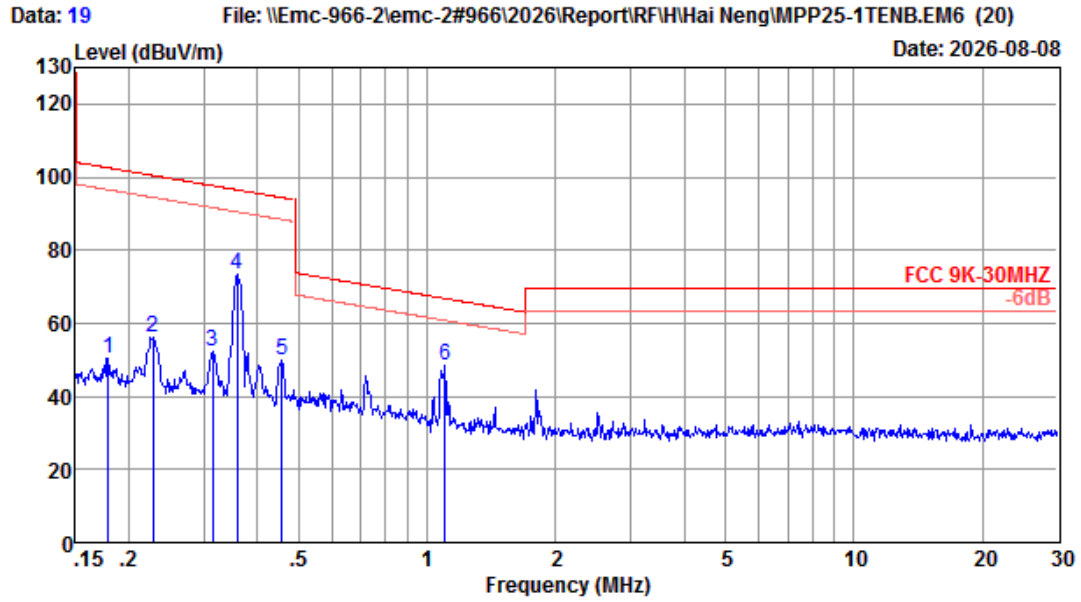

Site no. : 2# 966 chamber Data no. : 19
Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COPLANAR
Limit : FCC 9K-30MHZ
Env. / Ins. : Temp:24.3℃;Humi:56%;Press:101.5kPa
Engineer : Eric Lin
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
25W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1787	19.88	0.03	30.30	50.21	102.56	52.35	Peak
2	0.2280	19.86	0.03	36.07	55.96	100.45	44.49	Peak
3	0.3149	19.81	0.03	32.23	52.07	97.64	45.57	Peak
4	0.3596	19.77	0.03	53.48	73.28	96.49	23.21	Peak
5	0.4564	19.72	0.03	30.37	50.12	94.42	44.30	Peak
6	1.0997	19.81	0.02	28.78	48.61	66.78	18.17	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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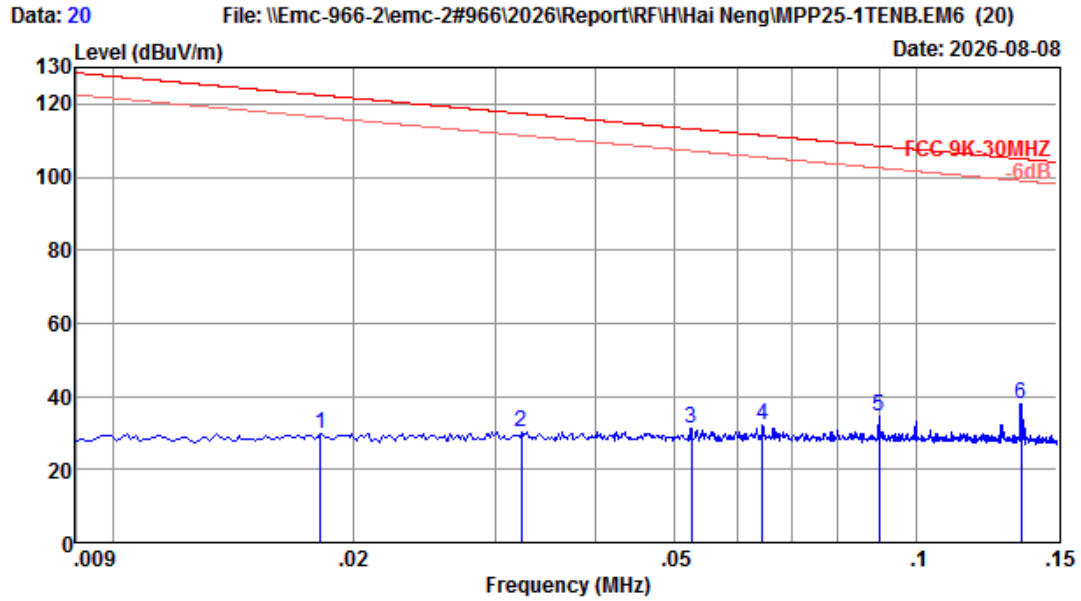

Site no. : 2# 966 chamber Data no. : 20
Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COPLANAR
Limit : FCC 9K-30MHZ
Env. / Ins. : Temp:24.3℃;Humi:56%;Press:101.5kPa
Engineer : Eric Lin
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
25W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0182	19.50	0.03	10.30	29.83	122.42	92.59	Peak
2	0.0323	19.60	0.03	10.64	30.27	117.43	87.16	Peak
3	0.0526	19.60	0.03	11.63	31.26	113.19	81.93	Peak
4	0.0644	19.70	0.03	12.44	32.17	111.42	79.25	Peak
5	0.0899	19.80	0.03	14.53	34.36	108.53	74.17	Peak
6	0.1351	20.00	0.03	17.95	37.98	104.99	67.01	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

Radiated Emission Above 30MHz

EST Technology

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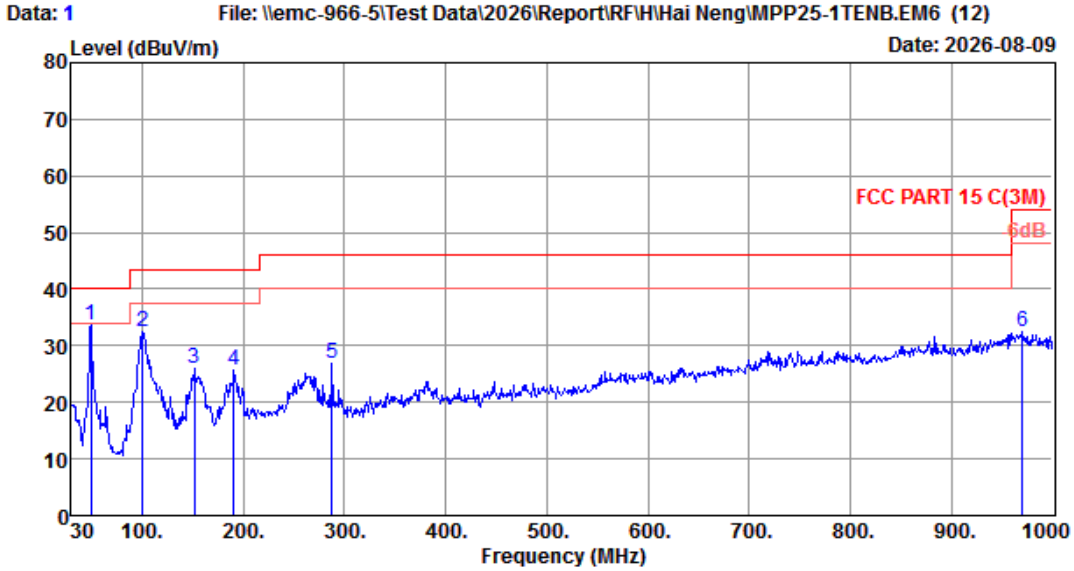

Site no. : 5# 966 Chamber Data no. : 1
Dis. / Ant. : 3m 54681 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 C(3M)
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Shadow Yang
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
7.5W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.40	9.90	1.21	22.58	33.69	40.00	6.31	QP
2	100.81	11.10	1.74	19.67	32.51	43.50	10.99	QP
3	151.25	11.50	2.12	12.48	26.10	43.50	17.40	QP
4	191.02	9.20	2.42	14.10	25.72	43.50	17.78	QP
5	288.02	12.92	3.02	10.94	26.88	46.00	19.12	QP
6	969.93	24.70	5.82	1.89	32.41	54.00	21.59	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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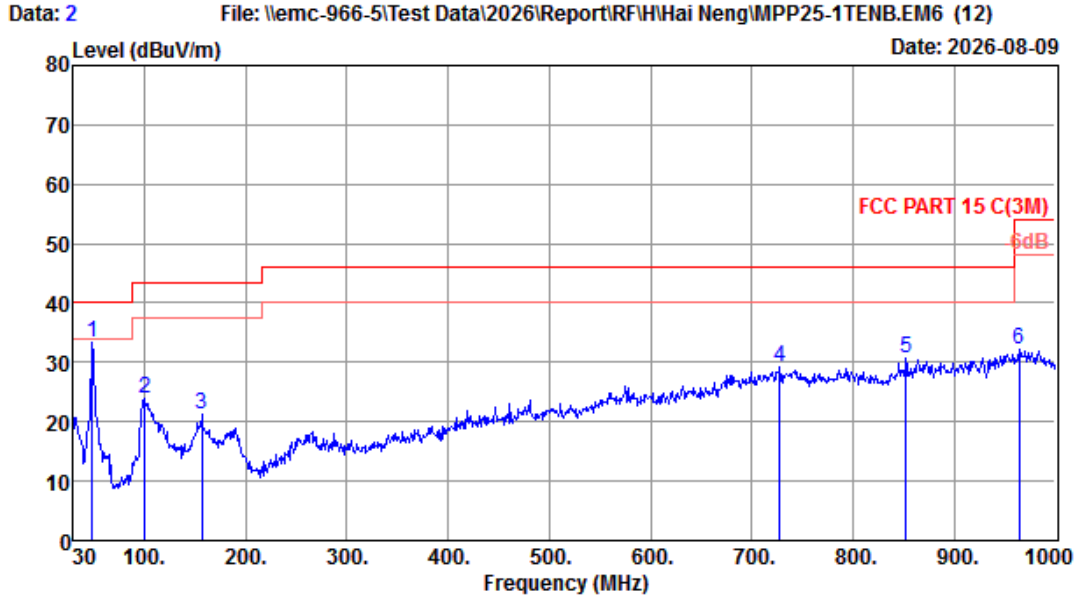

Site no. : 5# 966 Chamber Data no. : 2
Dis. / Ant. : 3m 54681 Ant. pol. : VERTICAL
Limit : FCC PART 15 C(3M)
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Shadow Yang
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
7.5W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	48.43	10.30	1.19	21.80	33.29	40.00	6.71	QP
2	100.81	11.10	1.74	10.99	23.83	43.50	19.67	QP
3	157.07	11.30	2.16	7.91	21.37	43.50	22.13	QP
4	727.43	20.76	4.97	3.49	29.22	46.00	16.78	QP
5	852.56	22.66	5.43	2.66	30.75	46.00	15.25	QP
6	964.11	24.52	5.80	1.84	32.16	54.00	21.84	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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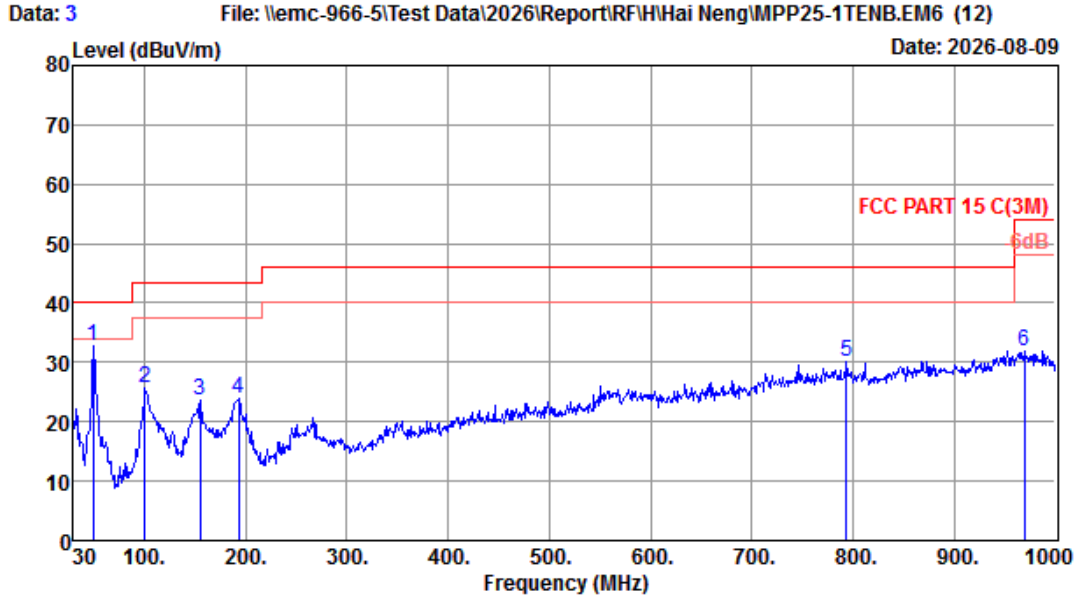

Site no. : 5# 966 Chamber Data no. : 3
Dis. / Ant. : 3m 54681 Ant. pol. : VERTICAL
Limit : FCC PART 15 C(3M)
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Shadow Yang
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
25W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.40	9.90	1.21	21.62	32.73	40.00	7.27	QP
2	100.81	11.10	1.74	12.87	25.71	43.50	17.79	QP
3	155.13	11.30	2.15	10.16	23.61	43.50	19.89	QP
4	192.96	9.30	2.44	12.22	23.96	43.50	19.54	QP
5	793.39	21.94	5.22	3.04	30.20	46.00	15.80	QP
6	968.96	24.67	5.82	1.45	31.94	54.00	22.06	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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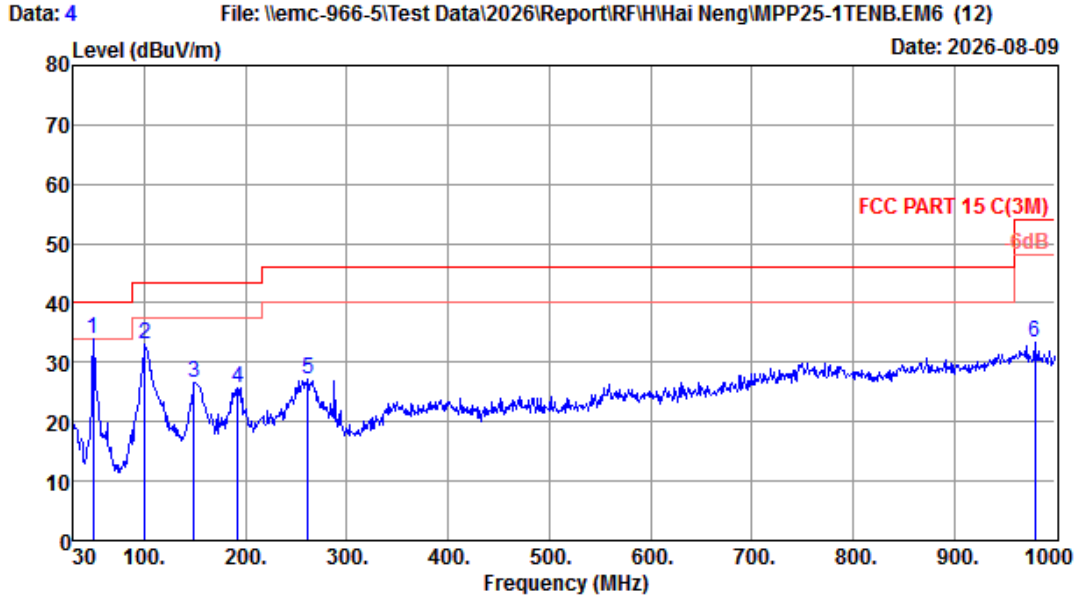


Site no. : 5# 966 Chamber Data no. : 4
Dis. / Ant. : 3m 54681 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 C(3M)
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Shadow Yang
EUT : Wireless Car Charger
Power : DC 15V From Car Adapter Input DC 12V
M/N : MPP25-1TENB
Test Mode : TX Mode
Sample No. : EST-260420023-002
25W

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.40	9.90	1.21	22.86	33.97	40.00	6.03	QP
2	100.81	11.10	1.74	20.36	33.20	43.50	10.30	QP
3	149.31	11.50	2.10	13.08	26.68	43.50	16.82	QP
4	191.99	9.30	2.43	14.10	25.83	43.50	17.67	QP
5	261.83	14.74	2.86	9.67	27.27	46.00	18.73	QP
6	979.63	24.00	5.85	3.43	33.28	54.00	20.72	QP

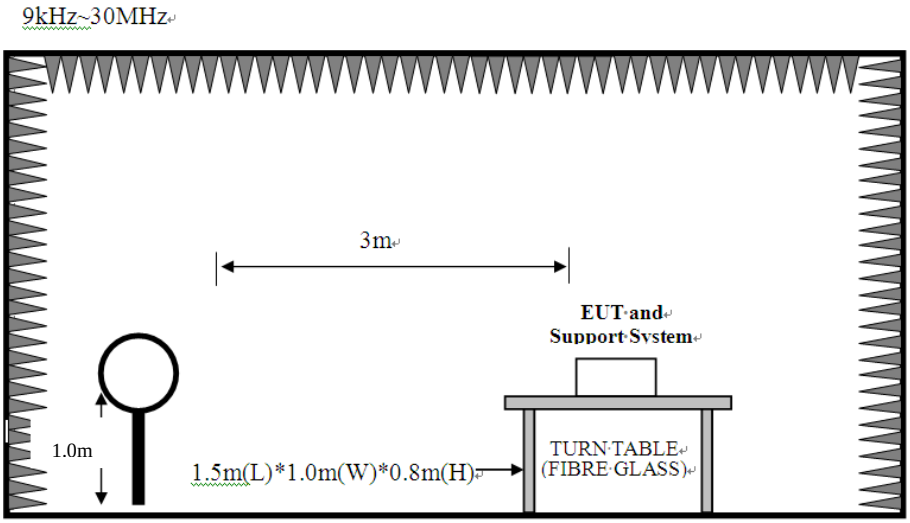
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

4. 20DB OCCUPIED BANDWIDTH

4.1. Limit

N/A

4.2. Test Setup



4.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	100Hz
VBW	3×RBW
Span	1kHz
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 100 Hz to perform the occupied bandwidth test.

4.4. Test Procedure

a. EUT was placed on a turn table, which is 0.8 meter high above ground.
b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
c. Set the EUT transmit continuously with maximum output power.
d. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
e. Spectrum analyzer setting parameters in accordance with section 4.3.
f. Allow the trace to stabilize, Set the spectrum analyzer marker to the highest level of the displayed trace, use the ndB power bandwidth function to measure 20dB occupied bandwidth.
g. Record the the value of 20dB occupied bandwidth.

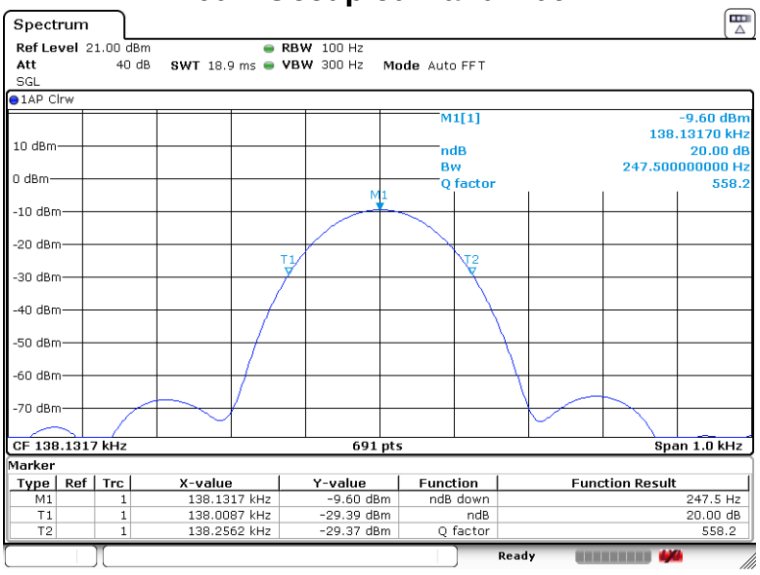
4.5. Test Condition

Temperature	24.6℃	Relative Humidity	54%	Test Voltage	DC 15V

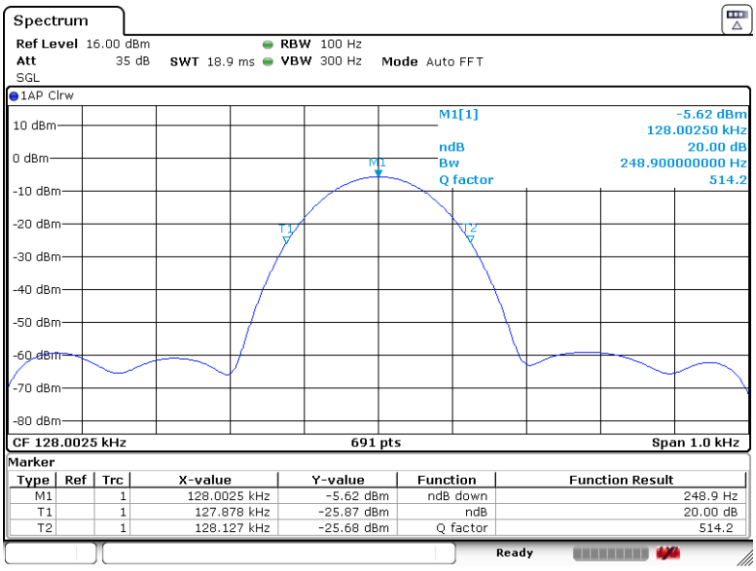
4.6. Test Result

Output Power (W)	Test Frequency (KHz)	20dB Occupied Bandwidth (KHz)	Result
5	138.1	0.248	Pass
7.5	128.0	0.249	Pass
10	145.0	0.248	Pass
15	360.0	0.248	Pass
25	360.0	0.249	Pass

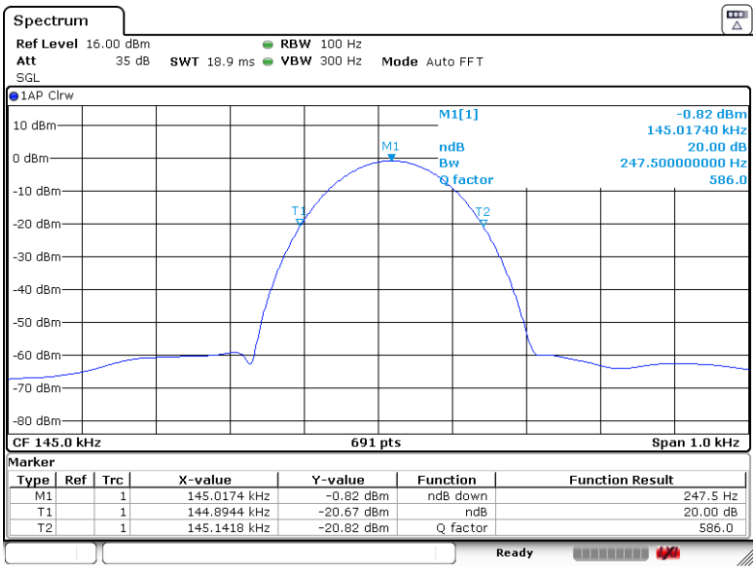
20dB Occupied Bandwidth



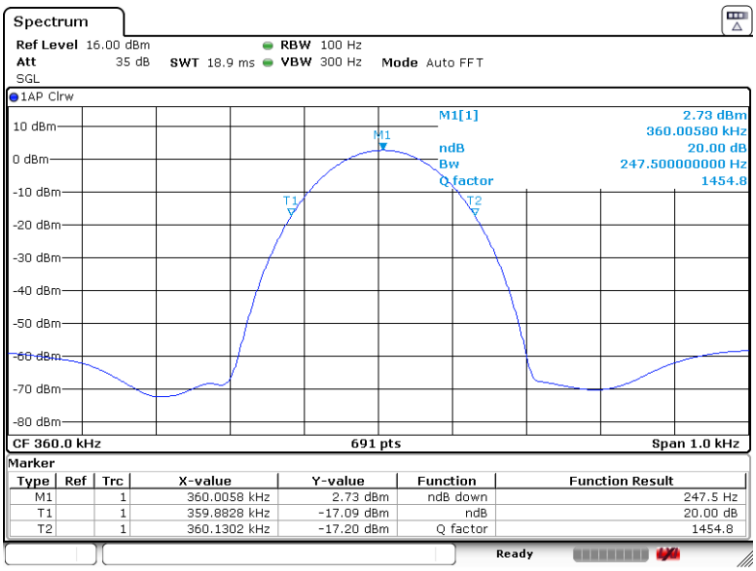
(5W)



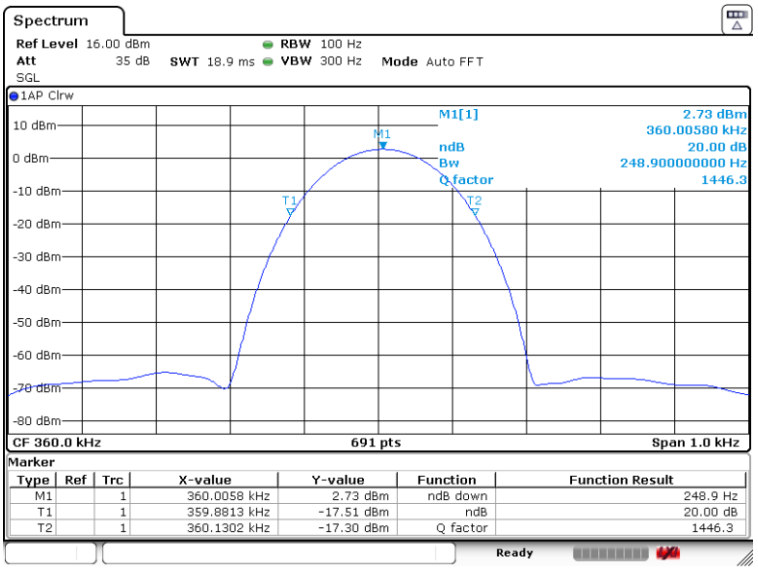
(7.5W)


Spectrum
Ref Level 16.00 dBm
RBW 100 Hz
Att 35 dB
SWT 18.9 ms
VBW 300 Hz
Mode Auto FFT
SGL
1AP Clrw
M1[1]
-0.82 dBm
145.01740 kHz
ndB 20.00 dB
Bw 247.500000000 Hz
Q factor 586.0
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
M1
T1
T2
CF 145.0 kHz
691 pts
Span 1.0 kHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 145.0174 kHz -0.82 dBm ndB down 247.5 Hz
T1 1 144.8944 kHz -20.67 dBm ndB 20.00 dB
T2 1 145.1418 kHz -20.82 dBm Q factor 586.0
Ready

(10W)


Spectrum
Ref Level 16.00 dBm
RBW 100 Hz
Att 35 dB
SWT 18.9 ms
VBW 300 Hz
Mode Auto FFT
SGL
1AP Clrw
M1[1]
2.73 dBm
360.00580 kHz
ndB 20.00 dB
Bw 247.500000000 Hz
Q factor 1454.8
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
M1
T1
T2
CF 360.0 kHz
691 pts
Span 1.0 kHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 360.0058 kHz 2.73 dBm ndB down 247.5 Hz
T1 1 359.8828 kHz -17.09 dBm ndB 20.00 dB
T2 1 360.1302 kHz -17.20 dBm Q factor 1454.8
Ready

(15W)


Spectrum
Ref Level 16.00 dBm
RBW 100 Hz
Att 35 dB
SWT 18.9 ms
VBW 300 Hz
Mode Auto FFT
SGL
1AP Clrw
M1[1]
2.73 dBm
360.00580 kHz
ndB
20.00 dB
Bw
248.900000000 Hz
Q-factor
1446.3
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
-80 dBm
M1
T1
T2
CF 360.0 kHz
691 pts
Span 1.0 kHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 360.0058 kHz 2.73 dBm ndB down 248.9 Hz
T1 1 359.8813 kHz -17.51 dBm ndB 20.00 dB
T2 1 360.1302 kHz -17.30 dBm Q factor 1446.3
Ready

(25W)

5. ANTENNA REQUIREMENTS

5.1. Limit

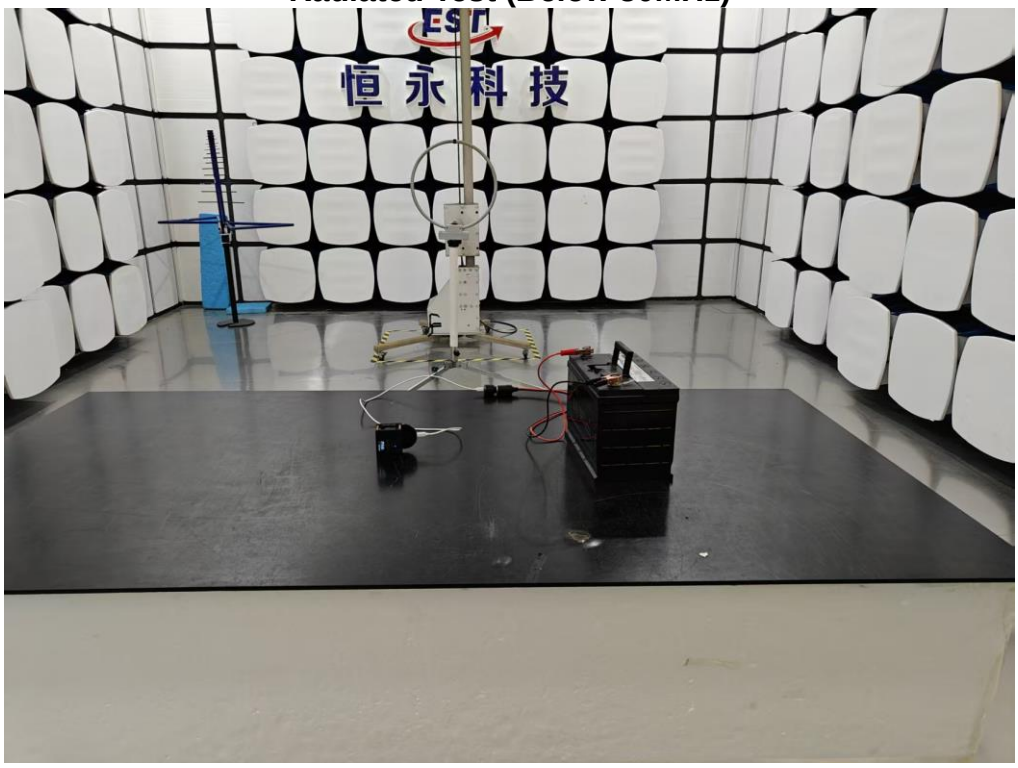
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

5.2. Test Result

The antennas used for this product is coil antenna, so compliance with antenna requirements. (Please refer to the EUT photo for details)

6. TEST SETUP PHOTO

Radiated Test (Below 30MHz)

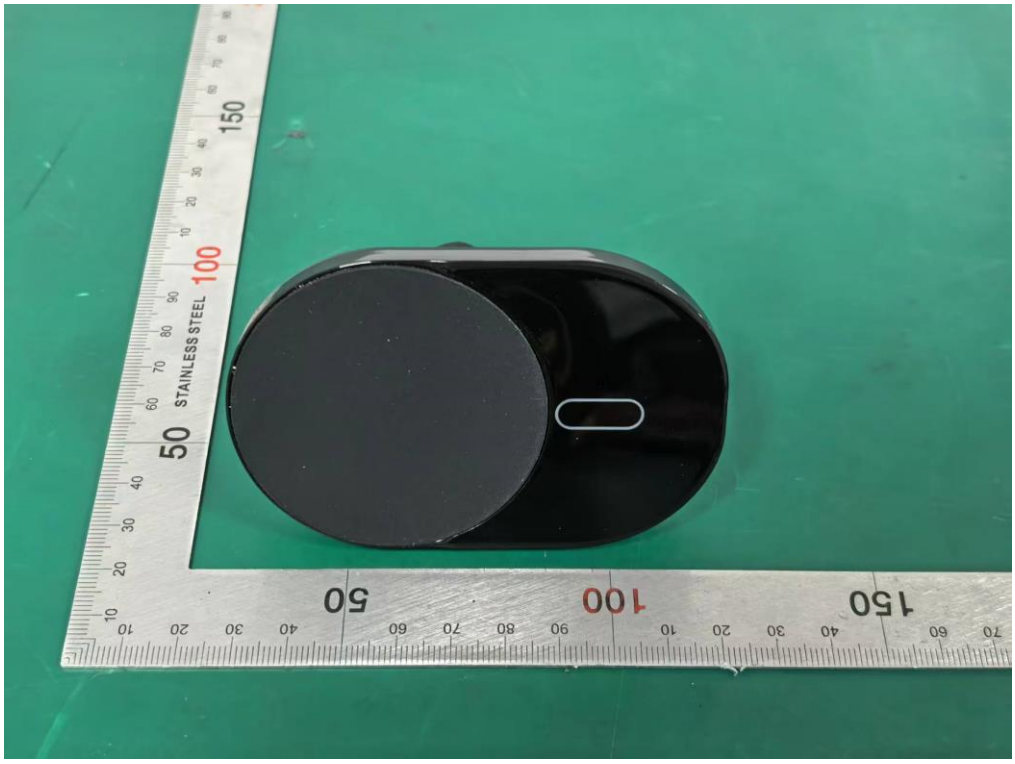


Radiated Test (Above 30MHz)

7. EUT PHOTO

External Photos

M/N: MPP25-1TENB



External Photos

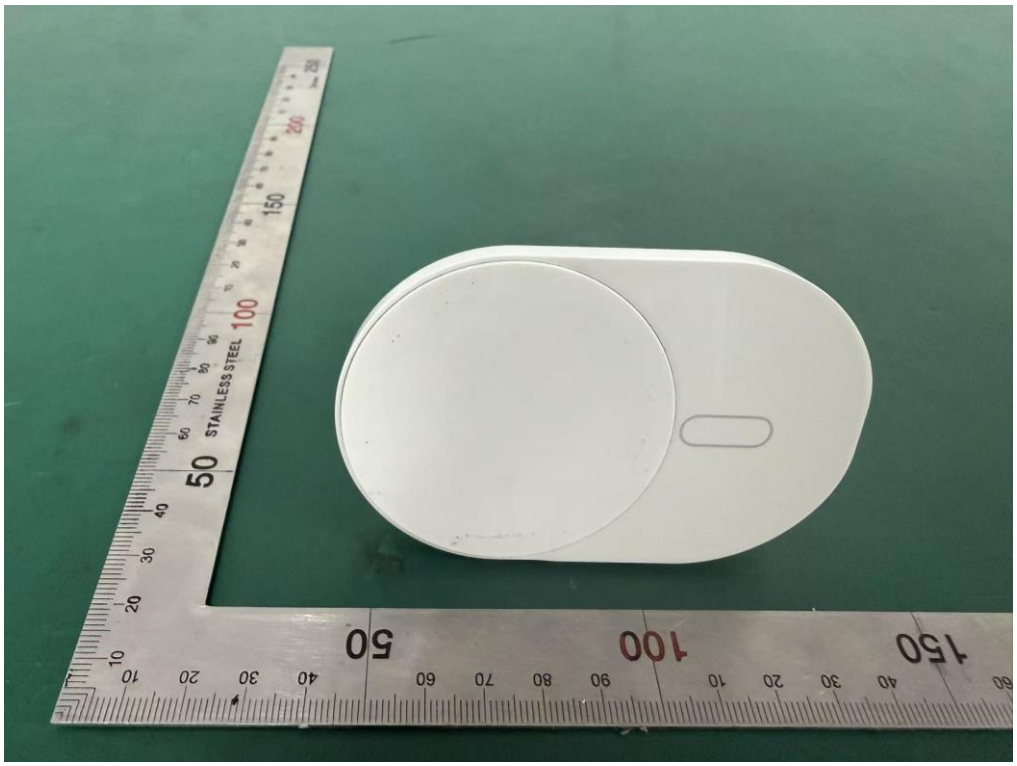
M/N: MPP25-1TENB

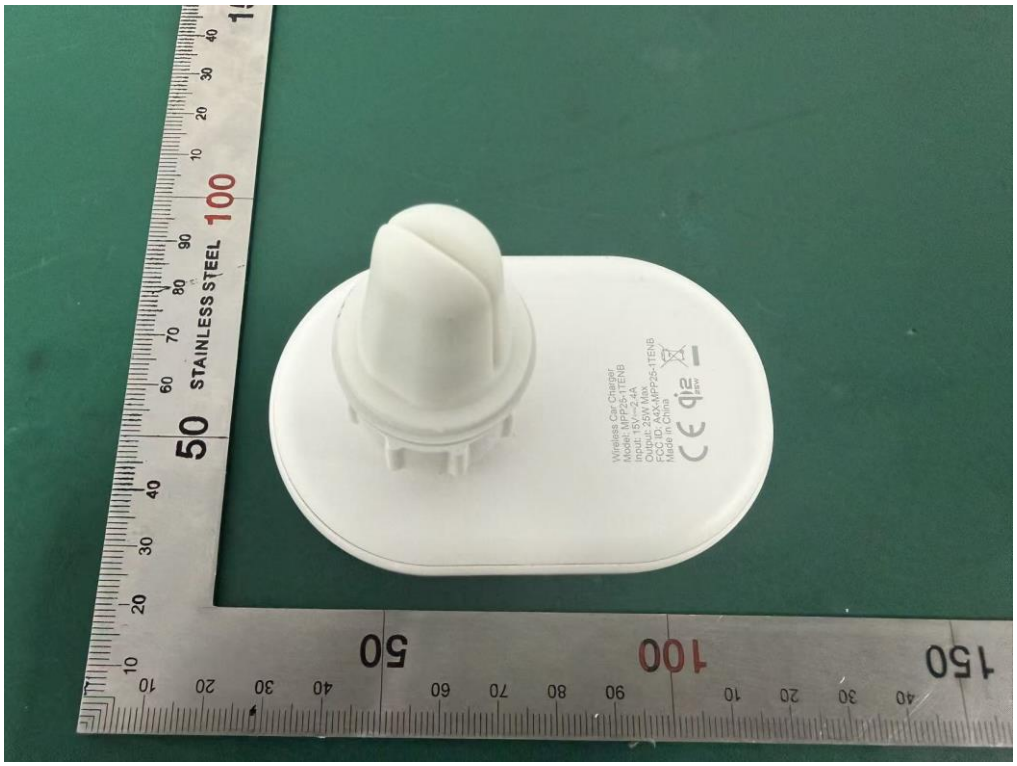
External Photos

M/N: MPP25-1TENB

External Photos

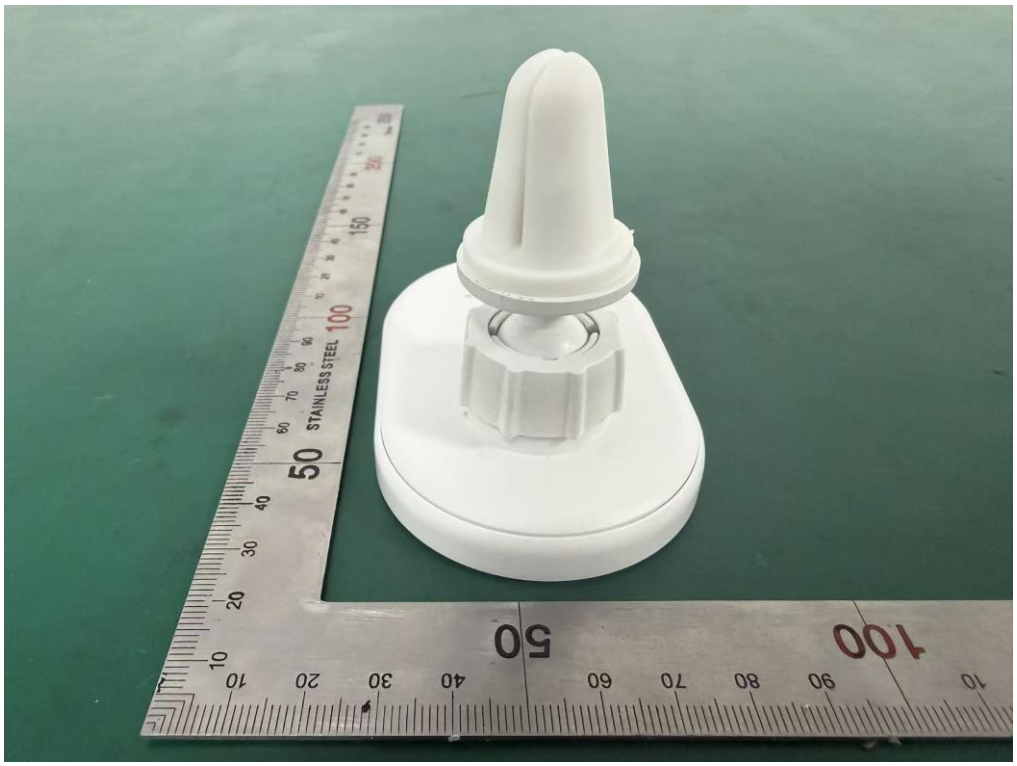
M/N: MPP25-1TENB





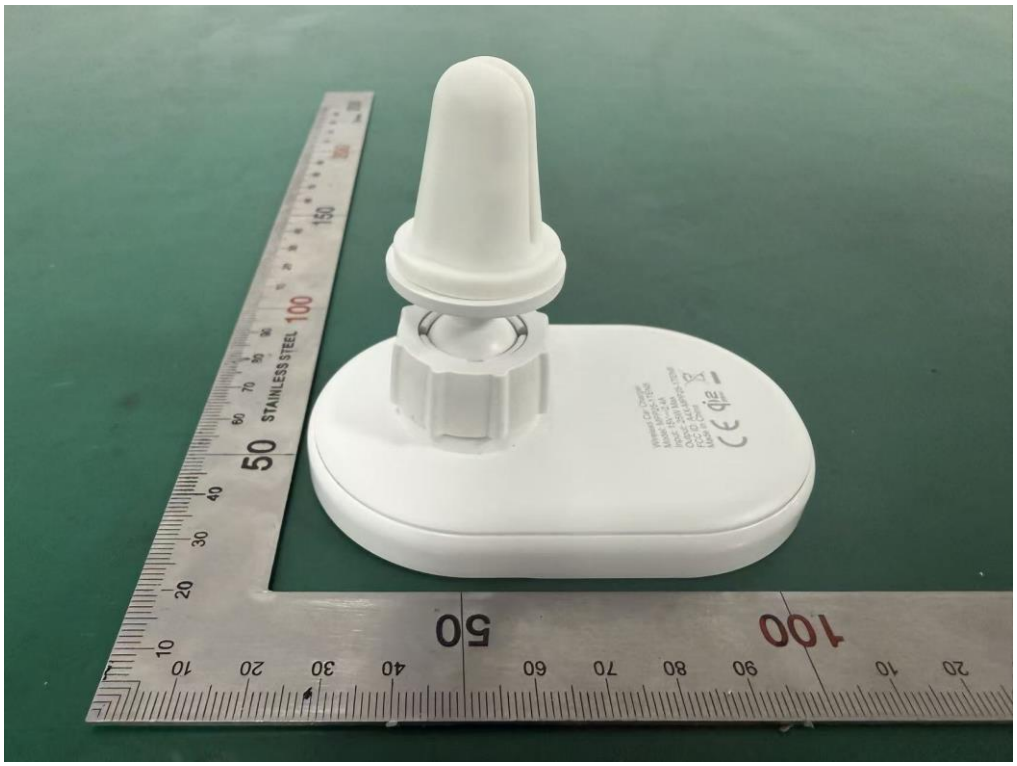
External Photos

M/N: MPP25-1TENB



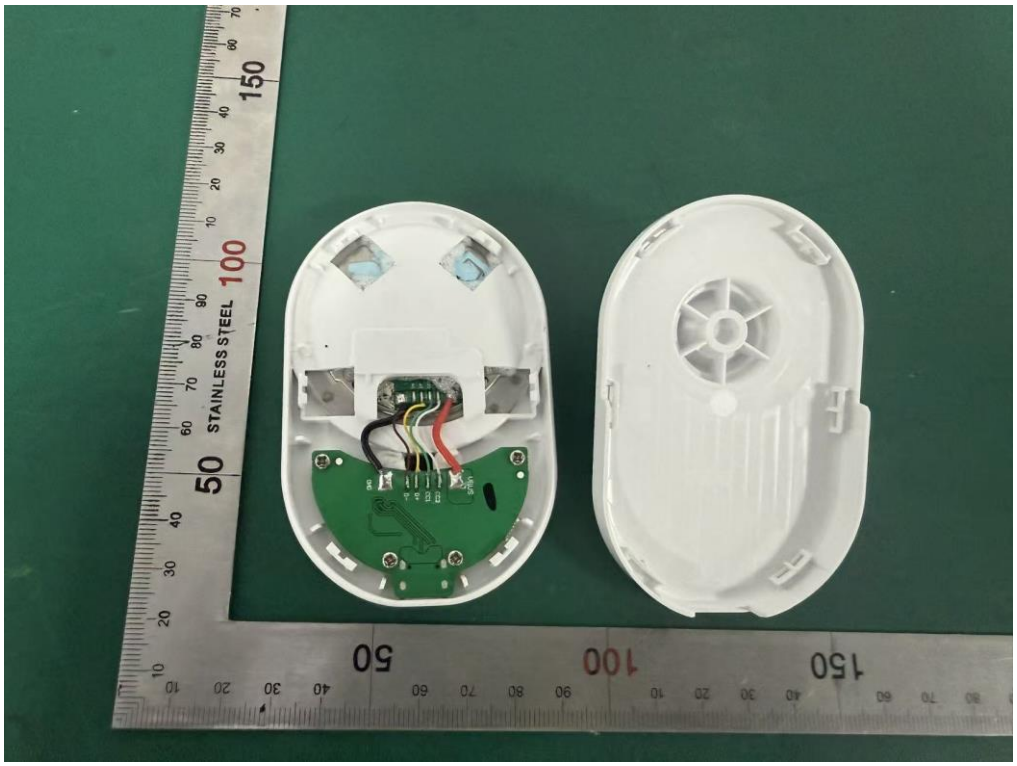
External Photos

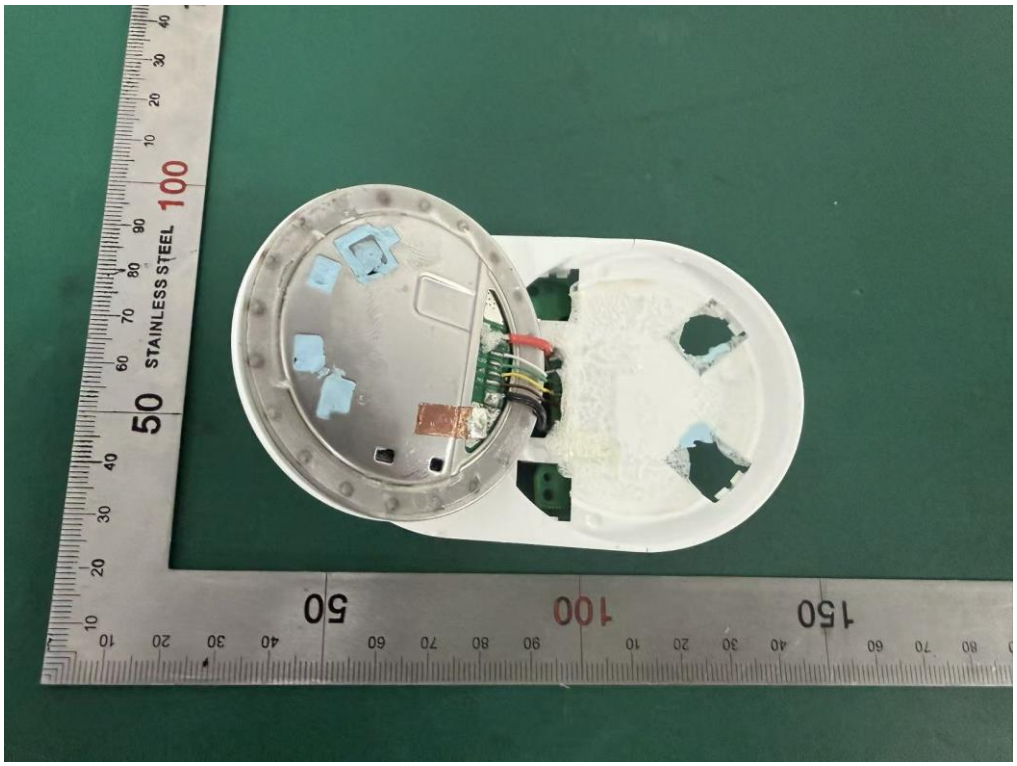
M/N: MPP25-1TENB



Internal Photos

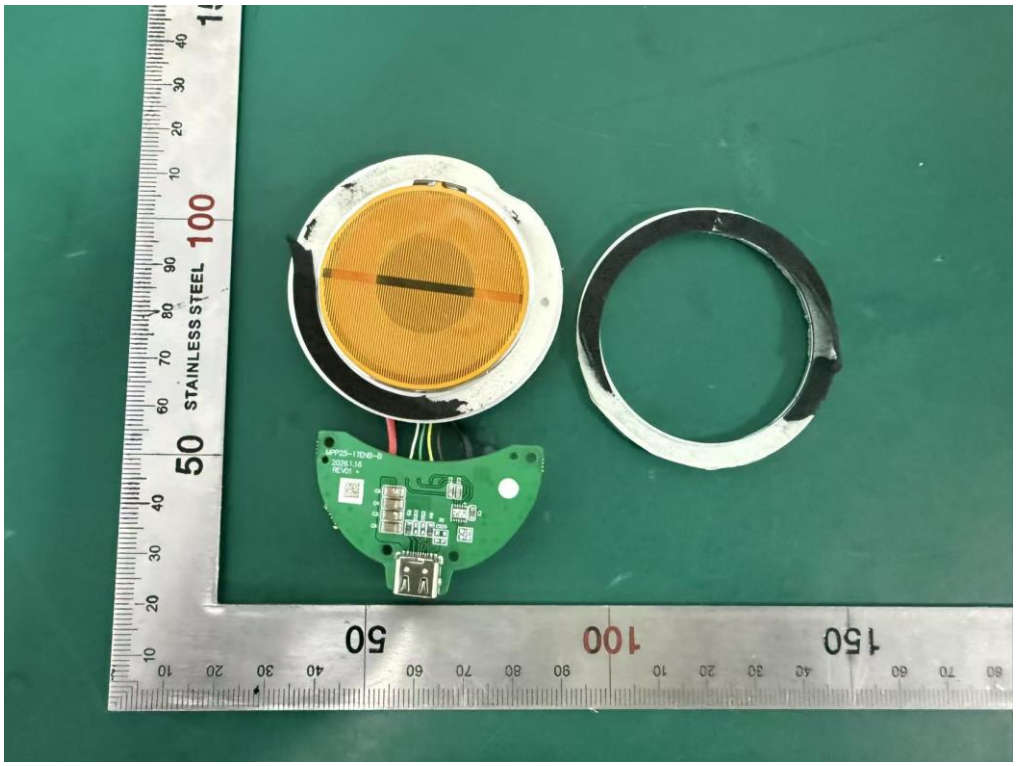
M/N: MPP25-1TENB

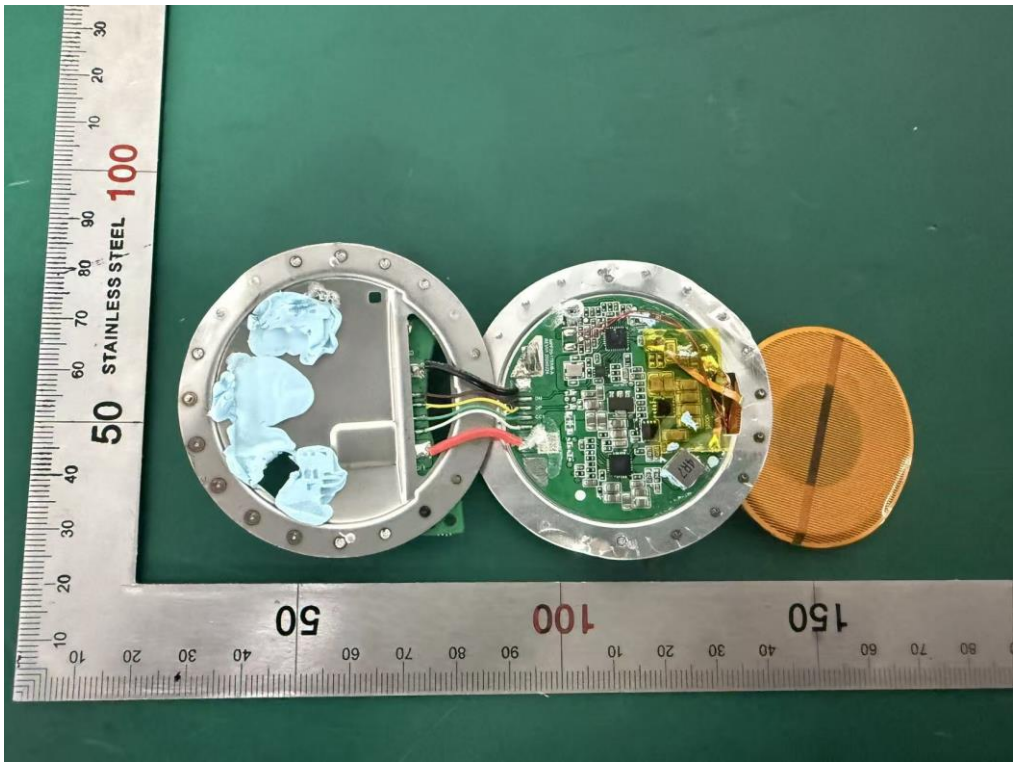




Internal Photos

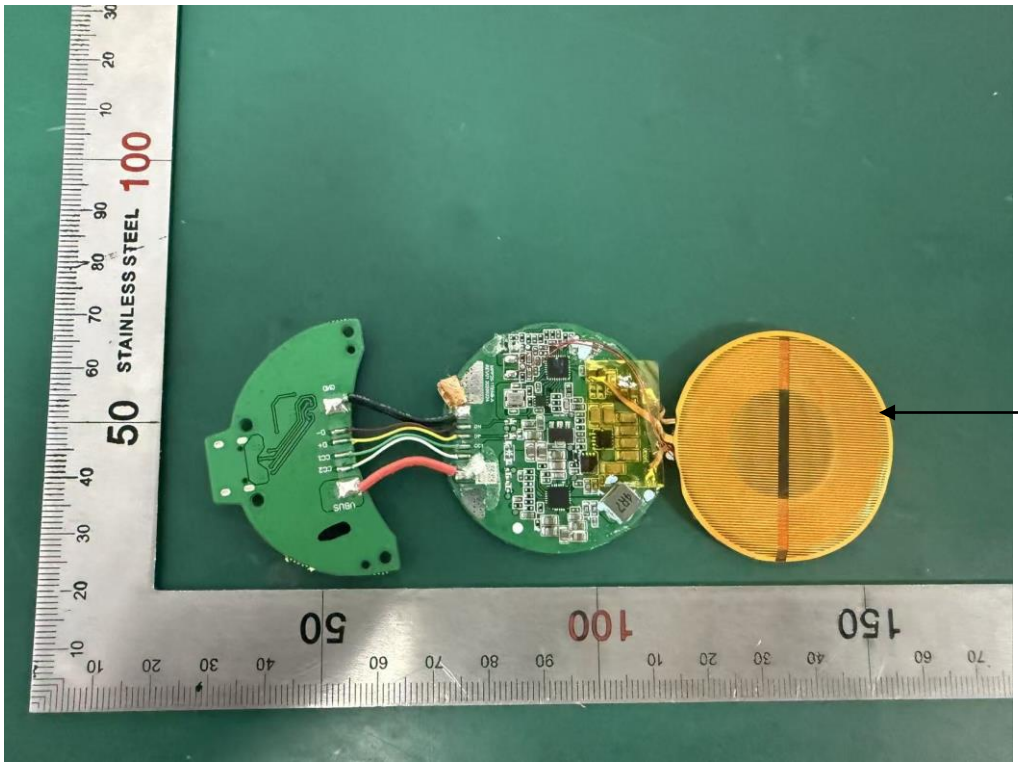
M/N: MPP25-1TENB

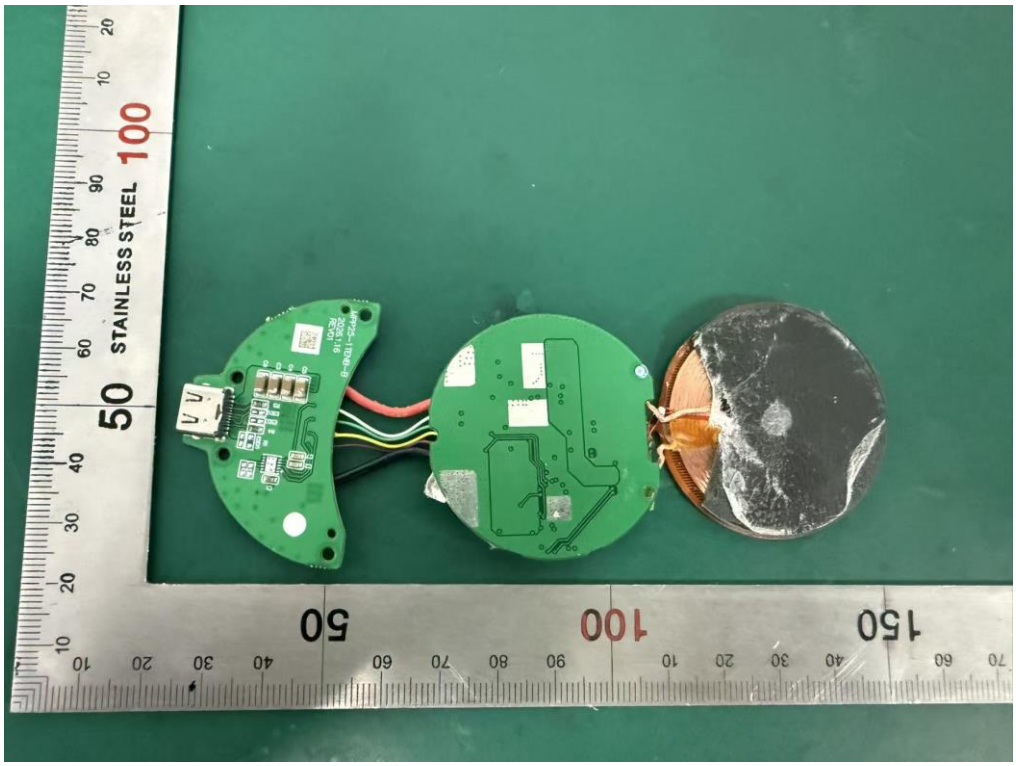




Internal Photos

M/N: MPP25-1TENB





End of Test Report