

Test Report No:
2590505R-RFUSV06S-A

TEST REPORT

FCC Rules & Regulations

Product Name	Wireless Charger Module
Brand Name	LUXSHARETECH
Model No.	WL2506
FCC ID	2APXN-WL2506
Applicant's Name / Address	ASAP Technology(Jiangxi) Co., Ltd. Ji'an Industrial Park, Ji'an, Jiangxi 343100 China
Manufacturer's Name	ASAP Technology(Jiangxi) Co., Ltd.
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.209
Verdict Summary	IN COMPLIANCE
Documented By Genie Chang	<i>Genie Chang</i>
Approved By Alan Chen	<i>Alan Chen</i>
Date of Receipt	2025/09/16
Date of Issue	2025/10/17
Report Version	V1.0

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	2025/10/17

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	PASS	-
4	Radiated Emission	PASS	-

Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1. General Information

1.1. EUT Description

Operating Frequency	110 kHz – 148 kHz
Modulation	FSK
Test Platform	Product name: Personal Computer Brand: Lenovo Model No: Yoga AIO 27IPH11 Machine Type: F0J4*****, F0JR***** (Where * maybe any alphanumeric, symbol or blank, for marketing purpose and no impact RF related critical components and constructions.)

Accessories Information					
No.	Equipment Name	Brand	Model No.	Rating	Remark
1	Adapter	Lenovo	ADL170SCC3A	Input:AC 100-240V~2.5A 50-60Hz Output: 20.0V---8.5A 170.0W	With power cable : Non-shielded, 1.7m with one ferrite core bonded.
No.	Equipment Name	Remark			
2	Power cord	Non-shielded, 1m			
3	Type C cable	Shielded, 1m			
4	Keyboard	5V, 250mA			
5	Mouse	1.5V, 50mA			
6	USB Type C cable	Shielded, 1m			
7	Dongle	DC 5V			

Antenna Information			
Item.	Brand Name	Model No.	Type
1	MAGWAY	98QTA110RB1 02	Coil

1.2. EUT Information

EUT Power Type	From Adapter
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1.3. Testing Location Information

USA	FCC Designation Number: TW0033 / FCC Registration Number: 647365
Canada	CAB Identifier Number: TW3023 / Company Number: 26930

Site Description	Accredited by TAF
	Accredited Number: 3023

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
	Linkou Laboratory
Address	No. 85, Wenlin St., Linkou Dist., New Taipei City 244017, Taiwan
Performed Location	No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan
Phone Number	+886-3-275-7255
Fax Number	+886-3-327-8031

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual	Test Date	Tested By
AC Power Line	Temperature (°C)	10~40 °C	24.7 °C	2025/09/23	Neko Chen
Conducted Emission	Humidity (%RH)	10~90 %	52.6 %		
Radiated Emission	Temperature (°C)	10~40 °C	25.8 °C	2025/09/20	Bob Chiu
	Humidity (%RH)	10~90 %	61.1 %		

1.4. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test item	Uncertainty
AC Power Line Conducted Emission	± 3.50 dB
Radiated Emission	9 kHz~30 MHz: ± 3.30 dB 30 MHz~1 GHz: ± 5.19 dB

1.5. List of Test Equipment

For Conduction Measurements / HY-SR01

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	EMI Test Receiver	R&S	ESR7	101601	2025/04/28	2026/04/27
V	Two-Line V-Network	R&S	ENV216	101306	2024/04/01	2026/03/31
V	Two-Line V-Network	R&S	ENV216	101307	2025/08/06	2027/08/05
V	Coaxial Cable	SUHNER	RG400_BNC	RF001	2025/01/10	2026/01/09

Note:

1. Two-Line V-Network is calibrated every two years, the other equipment is calibrated every year.
2. The test instruments marked with "V" are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

For Radiated Measurements /HY-CB03

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Loop Antenna	TESEQ	HLA6121	49611	2025/02/18	2026/02/17
V	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0675	2025/08/14	2027/08/13
V	Pre-Amplifier	SGH	SGH0301-9	20211007-11	2025/01/10	2026/01/09
V	EMI Test Receiver	R&S	ESR3	102793	2024/12/06	2025/12/05
V	Spectrum Analyzer	R&S	FSV30	103466	2024/12/18	2025/12/17
V	Coaxial Cable	SGH	SGH18	2021005-1	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	SGH18	202108-4	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	HA800	GD20110223-1	2025/01/10	2026/01/09
V	Coaxial Cable	SGH	HA800	GD20110222-8	2025/01/10	2026/01/09

Note:

1. Bi-Log Antenna is calibrated every two years, the other equipment is calibrated every year.
2. The test instruments marked with "V" are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	AC 120V/60Hz

2.2. Test Frequency Mode

Test Software Version	N/A
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2.3. Measurement Configuration

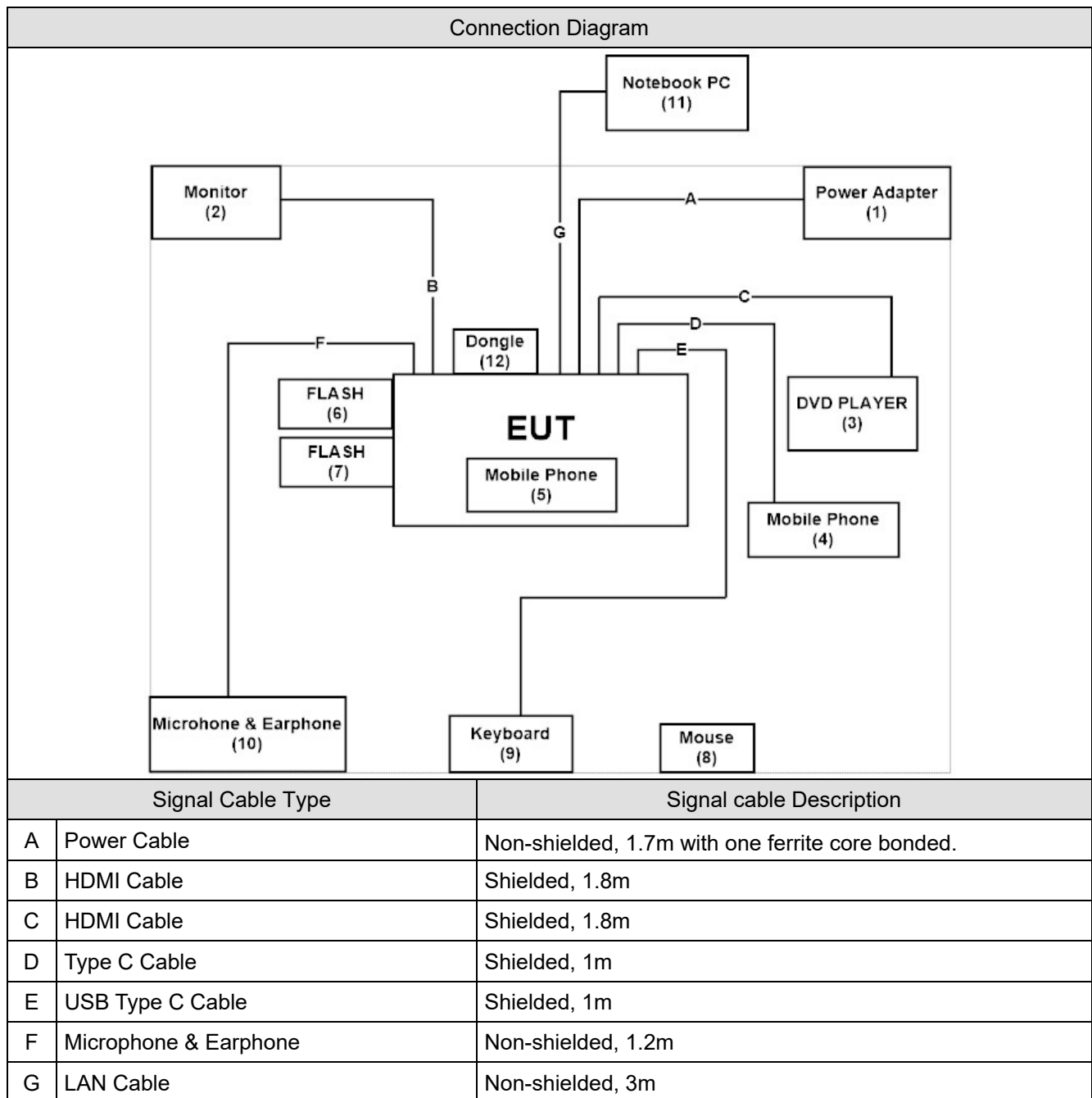
Test Mode	Mode 1	Transmit
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Note: Determining compliance shall be based on the results of the compliance measurement, without taking measurement instrumentation uncertainty into account.

2.4. Tested System Details

No.	Equipment	Brand Name	Model No.	Serial No.	Power Cord
1	Power Adapter	Lenovo	ADL170SCC3A	N/A	N/A
2	Monitor	DELL	U2718Q	CN-0M5R5F-QDC00-949-07VL-A06	Non-shielded, 1.8m
3	DVD PLAYER	SAMPO	DVB-123	12527058	Non-shielded, 1.8m
4	Mobile Phone	SAMSUNG	Galaxy A32 5G	351404445135758	N/A
5	Mobile Phone	SAMSUNG	Galaxy S22	R5CTB2S9YKW	N/A
6	FLASH	Transcend	JetFlash 790C/64GB	N/A	N/A
7	FLASH	SanDisk	16GB Ultra Flair CZ73	N/A	N/A
8	Mouse	Lenovo	L530-A	N/A	N/A
9	Keyboard	Lenovo	KB318W	N/A	N/A
10	Microphone & Earphone	Verbatim	C09024VB	N/A	N/A
11	Notebook PC	ASUS	P5430U	G8NXCVC07J11032C	N/A
12	Dongle	Lenovo	RG51-6108	N/A	N/A

2.5. Configuration of tested System

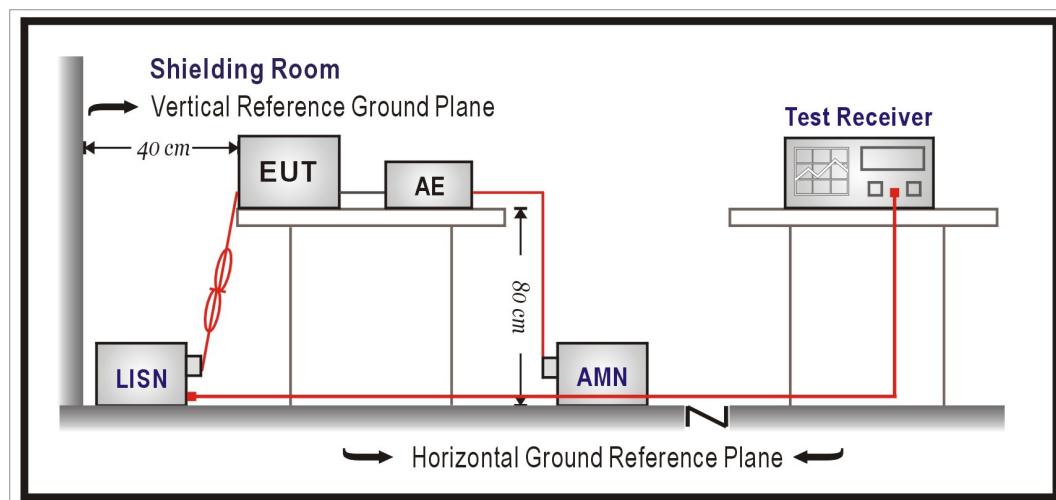


2.6. EUT Operating Procedures

1	Setup the EUT as shown in Section 2.5.
2	Verify that the EUT works properly.

3. AC Power Line Conducted Emission

3.1. Test Setup



3.2. Test Limit

Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

3.3. Test Procedure

The EUT was setup according to ANSI C63.10-2020 for AC Power Line Conducted Emissions.

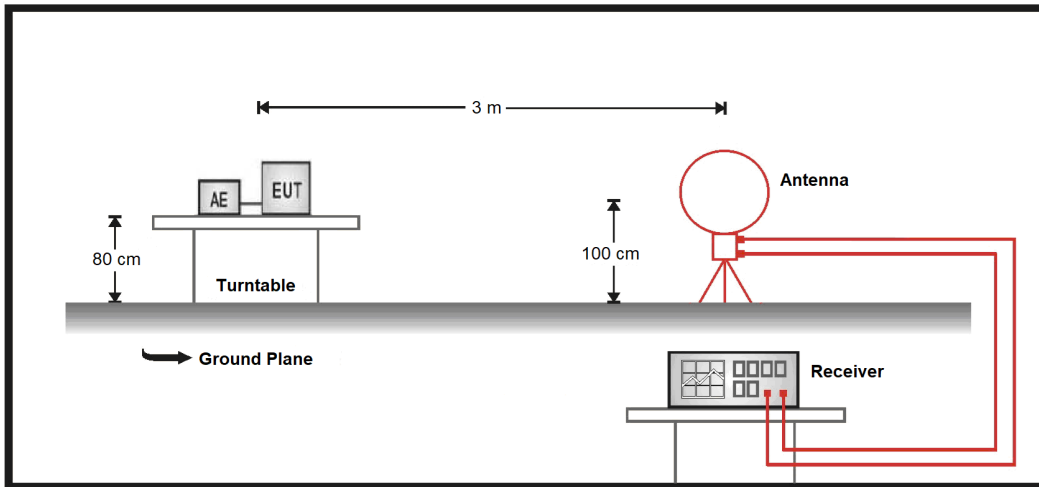
3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

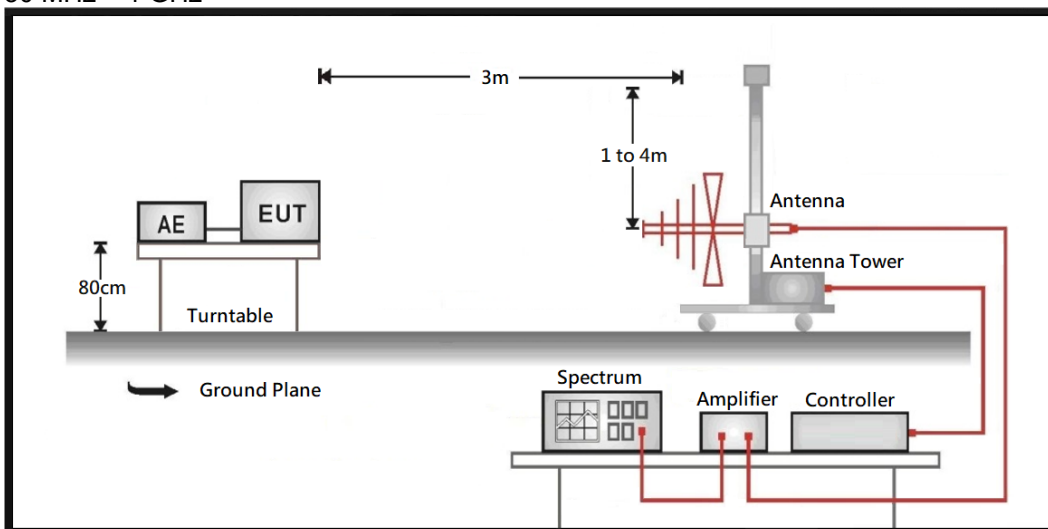
4. Radiated Emission

4.1. Test Setup

9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



4.2. Test Limit

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009 – 0.490	$2400/F(\text{kHz})$	$20 \log (2400/F(\text{kHz}))$	300
0.490 – 1.705	$24000/F(\text{kHz})$	$20 \log (24000/F(\text{kHz}))$	30
1.705 - 30	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

1. Field strength ($\text{dB}\mu\text{V/m}$) = $20 \log$ Field strength ($\mu\text{V/m}$)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

4.3. Test Procedure

1. Configure the EUT according to ANSI C63.10-2020 . The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
7. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

4.4. Test Result of Radiated Emission

Refer as Appendix B