

Test Report No:
2590581R-RFUSV17S-A

RF EXPOSURE EVALUATION DECLARATION

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	KDB 447498 D01 v06
Verdict Summary	IN COMPLIANCE
Documented By Genie Chang	<i>Genie Chang</i>
Tested by Alan Chen	<i>Alan Chen</i>
Approved By Tim Sung	<i>Tim Sung</i>
Date of Receipt	2025/09/18
Date of Issue	2025/11/28
Report Version	V1.0

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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	2025/11/28

General Information

1.1. EUT Description

Product Name	Wireless Charger Module
Brand Name	LUXSHARETECH
Model No.	WL2506
Test Platform	Product name: Personal Computer Brand: Lenovo Model No: IdeaCentre AIO 27IPH11 Machine Type: F0JH*****, F0JJ***** (Where * maybe any alphanumeric, symbol or blank, for marketing purpose and no impact RF related critical components and constructions.)
Contain Module	1. REAKTEK / RTL8922AE 2. REAKTEK / RTL8852BE 3. MediaTek / MT7920

Antenna Information					
Item.	Brand Name	Part No.	Type	Antenna Gain (dBi)	
1	High-Tek Electronics Co., Ltd	0ACCN025016N (DC330033X00) (Main)	PIFA	2.4 GHz	2.94
				U-NII 1	2.92
				U-NII 2A	2.87
				U-NII 2C	2.95
				U-NII 3	2.97
				U-NII 4	2.98
				U-NII 5	3.98
				U-NII 6	3.98
				U-NII 7	3.94
				U-NII 8	3.92
		0ACCN025017N (DC330033X10) (Aux)		2.4 GHz	2.93
				U-NII 1	2.08
				U-NII 2A	2.47
				U-NII 2C	2.91
				U-NII 3	2.83
				U-NII 4	2.95
				U-NII 5	3.97
				U-NII 6	3.97
				U-NII 7	3.89
				U-NII 8	3.94

Antenna Information					
Item.	Brand Name	Part No.	Type	Antenna Gain (dBi)	
2	Pulse	TZ3288D (DC33002ZY00) (Main)	PIFA	2.4 GHz	1.93
				U-NII 1	2.90
				U-NII 2A	2.57
				U-NII 2C	2.72
				U-NII 3	2.55
				U-NII 4	2.13
				U-NII 5	3.08
				U-NII 6	3.41
				U-NII 7	3.81
				U-NII 8	3.91
		TZ3288E (DC33002ZY10) (Aux)		2.4 GHz	1.90
				U-NII 1	2.76
				U-NII 2A	1.90
				U-NII 2C	2.40
				U-NII 3	2.77
				U-NII 4	1.34
				U-NII 5	3.74
				U-NII 6	3.74
				U-NII 7	3.30
				U-NII 8	3.64

1.2. 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, R.O.C.
Performed Location	No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C.
Phone Number	+886-3-275-7255
Fax Number	+886-3-327-8031

2. RF Exposure Evaluation

2.1. Standard Applicable

47CFR §2.1091(b) states, "A mobile device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the RF source's radiating structure(s) and the body of the user or nearby persons."

Also, 47CFR §1.1310(e)(3) states, that General population/uncontrolled exposure limits defined in §1.1310 "General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure."

2.2. Test Limit

(A) Test Limit for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
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) Test Limit for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
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

Note: f = frequency in MHz; *Plane-wave equivalent power density

Power Density (S) is calculated by the following formula:

$$S = (P \cdot G) / 4\pi R^2$$

where:

S = power density (in appropriate units, e.g. mW/ cm²)

P = power input to the antenna (in appropriate units, e.g., mW)

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

π = 3.1416

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

2.3. Test Result of RF Exposure Evaluation

Band	Fundamental Power (dBμV/m)	E.R.P (dBm)	E.R.P (mW)	Power Density at R = 20 cm (mW/ cm ²)	Limit (mW/ cm ²)
WPT	77.33	-11.870	0.0650	0.00001293	100

REAKTEK / RTL8922AE

Band	Maximum Conducted Output Power (dBm)	Antenna Gain (dBi)	Maximum E.I.R.P (dBm)	Maximum E.I.R.P (mW)	Power Density at R = 20 cm (mW/ cm ²)	Limit (mW/ cm ²)
Bluetooth	13.10	2.94	16.040	40.179	0.008	1.000
Bluetooth LE	12.80	2.94	15.740	37.497	0.007	1.000
WLAN 2.4 GHz	25.70	2.94	28.640	731.139	0.145	1.000
WLAN 5 GHz U-NII 1	22.45	2.92	25.370	344.350	0.069	1.000
WLAN 5 GHz U-NII 2A	22.46	2.87	25.330	341.193	0.068	1.000
WLAN 5 GHz U-NII 2C	22.29	2.95	25.240	334.195	0.066	1.000
WLAN 5 GHz U-NII 3	25.36	2.97	28.330	680.769	0.135	1.000
WLAN 5 GHz U-NII 4	22.44	2.98	25.420	348.337	0.069	1.000
WLAN 6 GHz U-NII 5	24.87	3.98	28.850	767.361	0.153	1.000
WLAN 6 GHz U-NII 6	15.69	3.98	19.670	92.683	0.018	1.000
WLAN 6 GHz U-NII 7	24.91	3.94	28.850	767.361	0.153	1.000
WLAN 6 GHz U-NII 8	15.82	3.94	19.760	94.624	0.019	1.000

Note: The maximum output power are refer to the original module technical documents

Calculations for Multi-Transmitter

Mode	Ratios	result	Limit
WPT	0.00000013	0.16100013	1
BT	0.008		
WLAN	0.153		

Ratios = Power Density / Power Density Limit

REAKTEK / RTL8852BE

Band	Maximum Conducted Output Power (dBm)	Antenna Gain (dBi)	Maximum E.I.R.P (dBm)	Maximum E.I.R.P (mW)	Power Density at R = 20 cm (mW/ cm ²)	Limit (mW/ cm ²)
Bluetooth	12.50	2.94	15.440	34.995	0.007	1.000
Bluetooth LE	12.56	2.94	15.500	35.481	0.007	1.000
WLAN 2.4 GHz	24.88	2.94	27.820	605.341	0.120	1.000
WLAN 5 GHz U-NII 1	23.93	2.92	26.850	484.172	0.096	1.000
WLAN 5 GHz U-NII 2A	23.95	2.87	26.820	480.839	0.096	1.000
WLAN 5 GHz U-NII 2C	23.89	2.95	26.840	483.059	0.096	1.000
WLAN 5 GHz U-NII 3	25.42	2.97	28.390	690.240	0.137	1.000
WLAN 5 GHz U-NII 4	21.43	2.98	24.410	276.058	0.055	1.000

Note: The maximum output power are refer to the original module technical documents

Calculations for Multi-Transmitter

Mode	Ratios	result	Limit
WPT	0.00000013	0.14400013	1
BT	0.007		
WLAN	0.137		

Ratios = Power Density / Power Density Limit

MediaTek / MT7920

Band	Maximum Conducted Output Power (dBm)	Antenna Gain (dBi)	Maximum E.I.R.P (dBm)	Maximum E.I.R.P (mW)	Power Density at R = 20 cm (mW/ cm ²)	Limit (mW/ cm ²)
Bluetooth	13.72	2.94	16.660	46.345	0.009	1.000
Bluetooth LE	12.98	2.94	15.920	39.084	0.008	1.000
WLAN 2.4 GHz	25.61	2.94	28.550	716.143	0.142	1.000
WLAN 5 GHz U-NII 1	22.39	2.92	25.310	339.625	0.068	1.000
WLAN 5 GHz U-NII 2A	22.43	2.87	25.300	338.844	0.067	1.000
WLAN 5 GHz U-NII 2C	23.87	2.95	26.820	480.839	0.096	1.000
WLAN 5 GHz U-NII 3	26.79	2.97	29.760	946.237	0.188	1.000
WLAN 5 GHz U-NII 4	21.79	2.98	24.770	299.916	0.060	1.000

Note: The maximum output power are refer to the original module technical documents

Calculations for Multi-Transmitter

Mode	Ratios	result	Limit
WPT	0.00000013	0.19700013	1
BT	0.009		
WLAN	0.188		

Ratios = Power Density / Power Density Limit