

Prüfbericht-Nr.: Test report no.:	CN25VCXE 002	Auftrags-Nr.: Order no.:	169841434	Seite 1 von 14 Page 1 of 14
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2025-06-20	
Auftraggeber: Client:	SRP Companies 85 Rio Grande Drive, Second Floor, Castle Rock, CO 80104, USA			
Prüfgegenstand: Test item:	3 IN 1 WIRELESS CHARGING STAND			
Bezeichnung / Typ-Nr.: Identification / Type no.:	#70416, ECL2-250331A, 608707704162			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	CFR47 FCC Part 2.1093 KDB 680106 D01 Wireless Power Transfer v04			
Wareneingangsdatum: Date of sample receipt:	2025-06-22	Please refer to Photo Document		
Prüfmuster-Nr.: Test sample no.:	PRMS001250601A01			
Prüfzeitraum: Testing period:	2025-07-08 - 2025-07-08			
Ort der Prüfung: Place of testing:	Refer to section 2.1			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	Hardy X <i>Hardy</i> <i>Suo</i>		genehmigt von: authorized by:	Bell Hu X <i>Bell Hu</i>
Datum: Date:	2025-08-04		Ausstellungsdatum: Issue date:	2025-08-12
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / Other:	FCC ID: 2ATF5-E70416			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
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Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

Guangdong Asia Hongke Test Technology Limited

B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

A2LA Certificate Number: 7133.01

FCC Accreditation Designation No.:CN1376

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

EMF				
Description	Manufacturer	Model	Serial No.	Calibrated until (DD.MM.YYYY)
Magnetic Amplitude and Gradient Probe System	SPEAG	MAGPy-8H3D+E3D V2.6 & MAGPy-DAS V2.6	3107 & 3097	2026.03.13

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Magnetic Field Emissions (A/m)	1.3dB
Electric Field Emissions (V/m)	1.3dB

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

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Guangdong Asia Hongke Test Technology Limited is listed on B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China, the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a 3-in-1 wireless charger, it supports wireless charging function.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT		Value
Kind of Equipment:		3-in-1 Wireless charger
Type Designation:		#70416, ECL2-250331A, 608707704162 All models are same in hardware and electronic aspects, the difference is only the model number for market strategy.
FCC ID:		2ATF5-E70416
Operating Temperature Range:		0°C to +40°C
Rated Input		9.0V=3.0A
Rated Output:		Output 1: 5.0W/7.5W/10W/15.0W (for Phone) Output 2: 5.0W (for Earbuds) Output 3: 2.5W (for Apple Watch) Total Output: 22.5W MAX
Test Voltage:		AC 120V, 60Hz
Technical Specification of WPT		
Output 1 (Coil 1)	Frequency Range:	110.5kHz to 205kHz
	Type of Modulation:	Pulse Amplitude Frequency Technique.
	Antenna Type:	Coil antenna
	Antenna Number:	1
	Wireless output power:	110.5kHz to 205kHz: 5.0W/7.5W/10W/15.0W
Output 2 (Coil 2)	Frequency Range:	127.7kHz
	Type of Modulation:	Pulse Amplitude Frequency Technique.
	Antenna Type:	Coil antenna
	Antenna Number:	1
	Wireless output power:	127.7kHz: 5W
Output 3 (Coil 3)	Frequency Range:	326.5kHz
	Type of Modulation:	Pulse Amplitude Frequency Technique.
	Antenna Type:	Coil antenna
	Antenna Number:	1
	Wireless output power:	326.5kHz: 2.5W

3.3 Operation Modes

Mode	Mode	Description
1	Coil 1, Coil 2 and Coil 3 Standby (Flatbed Position)	EUT Alone powered by AC/DC adapter
2	Coil 1 Operating (Flatbed Position) (@110.5kHz-205kHz, ~1%, 50%, and >90%, Power Charging)	EUT powered by AC/DC Adapter & Wireless Charging to WPT Client
3	Coil 2 Operating (Flatbed Position) (@127.7kHz, ~1%, 50%, and >90%, Power Charging)	
4	Coil 3 Operating (Flatbed Position) (@326.5kHz, ~1%, 50%, and >90%, Power Charging)	

3.4 Coil Specifications

Refer to Operational Description_Coils Specification for further details.

3.5 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model No.	Serial Number	Supplied by
Adapter	Xiaomi	MDY-14-EU	45461/A62502T103407S	Test lab
Phone	Apple	iPhone 14 Pro	N/A	Test lab
Earbud	Apple	AirPods Pro	N/A	Test lab
Watch	Apple	MX1P3CH/B	HCJFPLX66W	Test lab

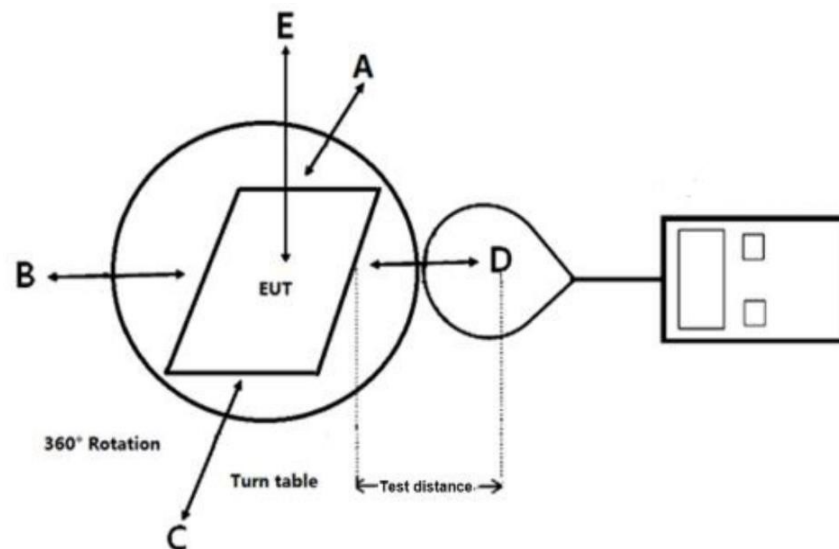
3.6 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.7 Submitted Documents

- Application Form
- Block Diagram
- ID Label and Location Info
- User Manual
- Schematics
- Operation Description

3.8 Test Setup Diagram



4 Radio Frequency Exposure Compliance

4.1 Test Procedures According to the Technical Standards

Standard Section	Test Item	Judgment
FCC CFR 47 part1, 1.1310 KDB 680106 D01 Wireless Power Transfer v04	Electric Field Strength (E) (V/m)	PASS
	Magnetic Field Strength (H) (A/m)	PASS

4.2 Limit of Maximum Permissible Exposure

Limits 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)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

Limits 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)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density.

Note 2: For the applicable limit, see FCC 1.1310, KDB 680106 D01 Wireless Power Transfer v04.

Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

Note 4: Test distance is 15cm for all surfaces.

4.3 Test result

RF Exposure (All coils operated with client device during Mode 2, 3, 4, battery levels of client devices were monitored for each mode)

Mode 1

Test distance	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	Top	0.84	0.12
15cm	Left	0.41	0.06
15cm	Right	0.64	0.07
15cm	Front	0.71	0.09
15cm	Rear	0.55	0.05
Limit		614	1.63
Margin Limit (%)		--	7.34%

Mode 2

MPE_Coil_phone

Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	< 1%	Top	0.87	0.14
15cm	< 1%	Left	0.45	0.07
15cm	< 1%	Right	0.67	0.11
15cm	< 1%	Front	0.71	0.12
15cm	< 1%	Rear	0.59	0.10
Limit			614	1.63
Margin Limit (%)			--	8.58%

MPE_Coil_phone

Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	< 50%	Top	0.75	0.12
15cm	< 50%	Left	0.32	0.05
15cm	< 50%	Right	0.50	0.08
15cm	< 50%	Front	0.56	0.09
15cm	< 50%	Rear	0.46	0.08
Limit			614	1.63
Margin Limit (%)			--	7.34%

MPE_Coil_phone

Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	< 99%	Top	0.58	0.10
15cm	< 99%	Left	0.20	0.03
15cm	< 99%	Right	0.37	0.06
15cm	< 99%	Front	0.41	0.07
15cm	< 99%	Rear	0.29	0.05
Limit			614	1.63
Margin Limit (%)			--	6.13%

Mode 3

MPE_Coil_Earbuds

Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	< 1%	Top	0.59	0.10
15cm	< 1%	Left	0.48	0.08
15cm	< 1%	Right	0.52	0.09
15cm	< 1%	Front	0.62	0.10
15cm	< 1%	Rear	0.44	0.07
Limit			614	1.63
Margin Limit (%)			--	6.13%

MPE_Coil_Earbuds

Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	< 50%	Top	0.44	0.07
15cm	< 50%	Left	0.34	0.06
15cm	< 50%	Right	0.39	0.06
15cm	< 50%	Front	0.45	0.07
15cm	< 50%	Rear	0.26	0.04
Limit			614	1.63
Margin Limit (%)			--	4.29%

MPE_Coil_Earbuds

Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	< 99%	Top	0.27	0.04
15cm	< 99%	Left	0.17	0.03
15cm	< 99%	Right	0.21	0.03
15cm	< 99%	Front	0.31	0.05
15cm	< 99%	Rear	0.10	0.02
Limit			614	1.63
Margin Limit (%)			--	2.45%

Mode 4
MPE_Coil_Watch

Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	< 1%	Top	0.45	0.07
15cm	< 1%	Left	0.62	0.10
15cm	< 1%	Right	0.77	0.13
15cm	< 1%	Front	0.38	0.06
15cm	< 1%	Rear	0.57	0.09
Limit			614	1.63
Margin Limit (%)			0.13%	7.97%

MPE_Coil_Watch

Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	< 50%	Top	0.28	0.05
15cm	< 50%	Left	0.50	0.08
15cm	< 50%	Right	0.64	0.11
15cm	< 50%	Front	0.23	0.04
15cm	< 50%	Rear	0.45	0.07
Limit			614	1.63
Margin Limit (%)			0.10%	6.75%

MPE_Coil_Watch

Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
15cm	< 99%	Top	0.14	0.02
15cm	< 99%	Left	0.39	0.06
15cm	< 99%	Right	0.48	0.08
15cm	< 99%	Front	0.06	0.01
15cm	< 99%	Rear	0.27	0.05
Limit			614	1.63
Margin Limit (%)			0.08%	4.91%

Total Exposure

MPE-based total exposure ratio (Worst case):

H-field: Coil 1+Coil 2+Coil 3 = 0.14 + 0.10 + 0.13 = 0.37 < 1

5 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

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