

(15)	FCC ID:2BETZ-IW35	đ
Product Name:	3 in 1 wireless charger	
Product Model No.:	iw35	
Model Difference:		
Transmitting mode:	Keep the EUT in continuously wireless charging mode	
Power supply:	USB Type-C Input: 9 V2.22 A, 12 V1.5 A Wireless Output: iWatch: 3 W AirPods: 5 W Phone: 5 W, 7.5 W, 10 W, 15 W	2

Test Mod	les:
Mode 1	AC Adapter + Wireless charging mode (Phone : 5W)
Mode 2	AC Adapter + Wireless charging mode (Phone : 7.5W)
Mode 3	AC Adapter + Wireless charging mode (Phone : 10W)
Mode 4	AC Adapter + Wireless charging mode (Phone : 15W)
Mode 5	AC Adapter + Wireless charging mode (AirPods : 5W)
Mode 6	AC Adapter + Wireless charging mode (iWatch: 3W)
Remark:	All full load, half load, and no-load tests have been conducted in each mode, Worst-case
Scenarios	s for different frequency segments are recorded in the report. Mode 4 and Mode 6 full load are
the worst	modes.

	Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note	
	E-1	Wireless charging load	/	EESON	N/A	Auxiliary	
2	E-2	AC Adapter	Xiaomi	MDY-12-ED	N/A	Auxiliary	Ć
	E-3	Smartwatch	/	SW506	N/A	Auxiliary	
	E-4	Wired headset	/	EA125	N/A	Auxiliary	

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1 Measuring Standard

KDB 680106 D01 Wireless Power Transfer v04

2 Requirements

According to the item 5 of KDB 680106 D01 v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

Yes/ No	Description
Yes	Mobile Device
	The device operate in the frequency range
Yes	Phone: 110.1-205 kHz
	AirPods: 110.1-205 kHz
11	iWatch: 300-350 kHz
	The EUT H-field and E-field
No	strengths at 20 cm surrounding
	the device.
	Yes

Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

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	1	Ī	5	6									
	(B) Limits for Genera	I Population/Uncontrolle	ed Exposure	r.									
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	1	1.0	30									

F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

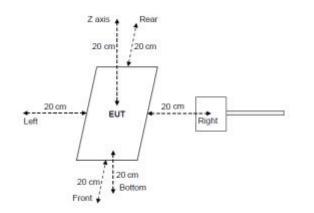






3 Test Setup

For mobile exposure conditions



4 Test Procedure

1) The RF exposure test was performed in anechoic chamber.

2) The measurement probe was placed at test distance (20 cm from all sides and 20 cm from the top) which is between the edge of the charger and the geometric center of probe.

3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.

4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

Remark: The EUT' s test position A, B, C, D , E and F is valid for the E and H field measurements.

5 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

	1	
No.	Item	Uncertainty
1	H-field	±0.7dB
2	E-field	±1.06dB

Decision Rule

Uncertainty is not included

Uncertainty is included

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6 Test Instruments list

đ	Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	B
	Magnetic Amplitude and Gradient Probe System	SPEAG	MAGPy-8H3D+E3D V2& MAGPy-DAS V2	SZ186-06& 3061	Feb. 26, 2024	Feb. 25, 2025	
	Ø		B	Ø		Ø]

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7 Test Result

E-Filed Strength at 20 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test	Test	Test	Test	Test	Test	50%Limits	Limits	test
	Position	Position	Position	Position	Position	Position	(V/m)	(V/m)	result
	А	В	С	D	E	F	(• / 11)	(v/m)	result
0.1101-0.205	0.370	0.292	0.292	0.273	0.166	0.0243	307	614	PASS

H-Filed Strength at 20 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	50%Limits (A/m)	Limits (A/m)	test result
0.1101-0.205	0.0301	0.0279	0.0271	0.0256	0.0237	0.0258	0.815	1.63	PASS

E-Filed Strength at 20 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position	Test Position	Test Position	Test Position	Test Position	Test Position	50%Limits (V/m)	Limits (V/m)	test result
	A	В	С	D	E	F	(*/11)	((,,,,,,))	rooun
0.300-0.350	0.320	0.284	0.279	0.265	0.171	0.0238	307	614	PASS

H-Filed Strength at 20 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	50%Limits (A/m)	Limits (A/m)	test result
0.300-0.350	0.0295	0.0265	0.0258	0.0227	0.0217	0.0264	0.815	1.63	PASS

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7. Test Set-up Photo

