

1. RF Exposure Test Report

1.1 General Information

Client Information

Applicant:	Shenzhen Kinlan Technology Company Limited
Address of applicant:	West of 3F, Building A4, Yinlong Industrial Park, No.292 Shenshan Road, Longgang District, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Kinlan Technology Company Limited
Address of manufacturer:	West of 3F, Building A4, Yinlong Industrial Park, No.292 Shenshan Road, Longgang District, Shenzhen, Guangdong, China

Description of EUT

Product Name:	Wireless Charger
Trade Name:	--
Model No.:	BE1028W
FCC ID:	2AE3CBE1028W
Rated Voltage:	USB Input: DC 5V 2.0A
Frequency Range:	110-205kHz
Rated Voltage:	DC 5V (Wireless output)
Rated Current:	1A (Wireless output)
Rated Power:	5W (Wireless output)

1.2 Standard Applicable

According to § 1.1307(b)(1), system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

(a) 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 Times $ 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
1500-100000	/	/	5	6

(b) 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 Times $ 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
1500-100000	/	/	1	30

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

1.3 Test Conditions

Test Mode	Description	Remark
TM1	Zero Charge	--
TM2	Intermediate Charge	--
TM3	Full Charge	--
Measurement Distance:	15 cm	
Test Standard:	KDB 680106 D01 V03	

1.4 Test Result

The following test data shall to demonstrate RF exposure compliance.

Test Mode: TM1/TM2/TM3

Electric Field Emissions					
Test Position	Measure Value (V/m)			Limit (A/m)	50% Limit (A/m)
	TM1	TM2	TM3		
Top	2.21	3.51	2.91	614	307
Bottom	2.33	3.42	2.45	614	307
Side 1	2.09	2.12	2.32	614	307
Side 2	1.95	2.19	2.15	614	307
Side 3	1.53	2.68	1.89	614	307
Side 4	2.11	2.07	2.23	614	307
Magnetic Field Emissions					
Test Position	Measure Value (V/m)			Limit (A/m)	50% Limit (A/m)
	TM1	TM2	TM3		
Top	0.0052	0.0078	0.0069	1.63	0.815
Bottom	0.0063	0.0077	0.0063	1.63	0.815
Side 1	0.0048	0.0067	0.0055	1.63	0.815
Side 2	0.0051	0.0065	0.0046	1.63	0.815
Side 3	0.0053	0.0053	0.0042	1.63	0.815
Side 4	0.0042	0.0069	0.0053	1.63	0.815

1.5 Test Photos





