

Prüfbericht-Nr.: Test report no.:	CN22E46C(FCC-EXPOSURE) 001	Auftrags-Nr.: Order no.:	238541513	Seite 1 von 9 Page 1 of 9
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2022-03-29	
Auftraggeber: Client:	Anker Innovations Limited Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hong Kong			
Prüfgegenstand: Test item:	Anker 651 USB-C Dock (8-in-1, Wireless Charging)			
Bezeichnung / Typ-Nr.: Identification / Type no.:	A8391			
Auftrags-Inhalt: Order content:	Exposure Assessment Report for 128kHz			
Prüfgrundlage: Test specification:	CFR47 FCC §1.1307(c) and (d), §1.1310			
Wareneingangsdatum: Date of sample receipt:	2022-04-07			
Prüfmuster-Nr.: Test sample no.:	A003239482-001			
Prüfzeitraum: Testing period:	2022-04-08			
Ort der Prüfung: Place of testing:	EMC/RF Taipei Testing Site			
Prüflaboratorium: Testing laboratory:	Taipei Testing Laboratories			
Prüfergebnis*: Test result*:	Pass			
zusammengestellt von: compiled by:	genehmigt von: authorized by:			
Datum: Date: 2022-05-11	 Ryan Chen		 Brenda Chen	
Stellung / Position:	Senior Project Manager	Ausstellungsdatum: Issue date: 2022-05-11	Senior Project Manager	
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

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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 P: Photo Documentation

Appendix X: Test Setup Photo

Test Specifications

The following standards were applied.

Table 1: Applied Standard and Test Levels

Radio
CFR47 FCC §1.1307(c) and (d), §1.1310 KDB680106 D01

2. Test Sites

2.1 Test Laboratory

Taipei Testing Laboratories

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.
Taipei City 105
Taiwan (R.O.C.)

2.2 Test Facility

Taipei Testing Laboratories

No.458-18, Sec. 2, Fenliao Rd., Linkou Dist.,
New Taipei City 244
Taiwan (R.O.C.)
FCC Registration No.: 226631
ISED Registration No.: 25563

2.3 List of Test and Measurement Instruments

Table 2: List of Test and Measurement Equipment

Test date: 2022/4/8

Kind of Equipment	Manufacture	Type	S/N	Last Calibration	Next Calibration
Electric and Magnetic field Probe	Narda	EHP200AC	180ZX10206	2021/5/24	1Year later

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a Wireless charge pad. It contains a Qi compatible module enabling the user to communicate data through a Wireless interface.
For details please also refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 System Details

Table 3: Technical Specification of EUT

Item	EUT information
Kind of Equipment	Anker 651 USB-C Dock (8-in-1, Wireless Charging)
Type Designation	A8391
FCC ID	2AOKB-A8391

Table 4: Technical Specification of EUT

Item	Value
Operating Frequencies	111-205kHz
Operation Voltage	120Vac
Modulation	FSK

3.3 Independent Operation Modes

Testing was performed near the lowest operating frequency, at an operating frequency in the middle range of the specified frequency band and near the highest operating frequency. The highest value found is shown below in the result section of this report. This was achieved by testing with the battery at low charge, medium charge and near full charge.

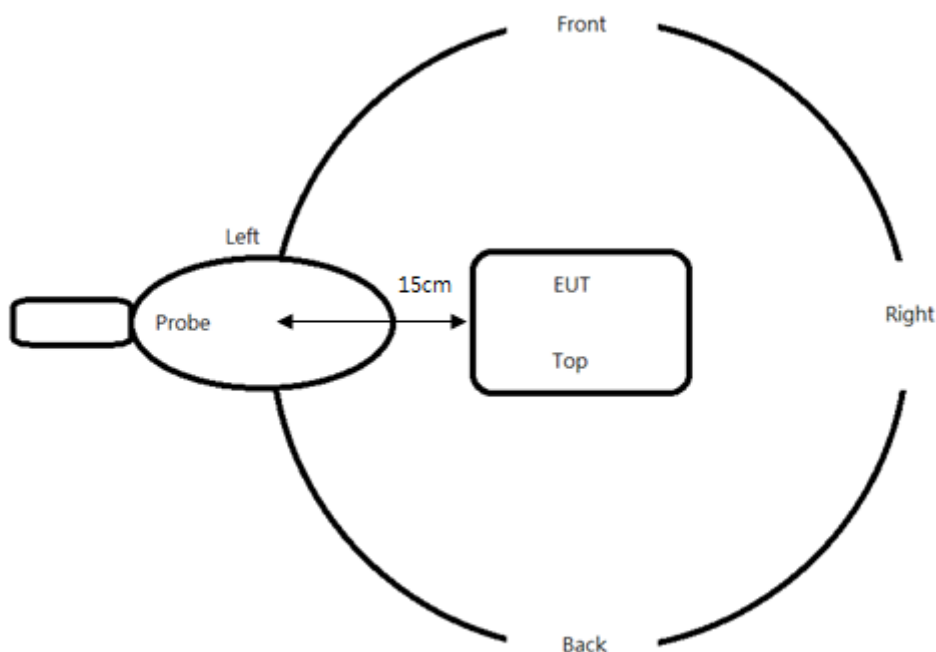
The measurement of the Electrical Field is not necessary, where the External Field is only a Leakage Field.

3.4 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

Kind of Equipment	Manufacturer	Model Name	S/N
Load	-	YY2841AS	-

3.5 Test Setup Diagram



RF EXPOSURE ASSESSMENT

3.6 EUT Operating Condition

Measures taken to maximize magnetic Flux: Power on the EUT and put Load device on it. EUT will start providing wireless power. Power transmission and load status detection is done simultaneously using the fundamental frequency in the range of 111 – 205 KHz.

3.7 Reference limits

3.7.1 FCC

CFR47 FCC §1.1307(c) and (d), §1.1310

According to §1.1310, the criteria listed in the following table shall be used to evaluate the environment impact of a human exposure to RF radiation.

FCC 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
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34–30	842/f	2.19/f	*(180/f ²)	30

* = Plane-wave equivalent power density

Measurement is done in a distance of 10 cm. The power transfer is achieved by inductive coupling. Therefore, in the table below only the magnetic field is measured. The electric field component would have to be measured at a distance of more than $\lambda/2$ and will therefore be far below the limits shown in above table.

3.8 Measurement Results

For FCC Magnetic field strength (A/m) measure result:

Maximum H-field strength at 15 cm from the edges surrounding the EUT:				
Values Position	Value A/m	Limit A/m	Result	Remark
Left	0.0499	1.63	PASS	--
Right	0.0481	1.63	PASS	--
Front	0.0615	1.63	PASS	--
Back	0.0380	1.63	PASS	--
Maximum H-field strength at 20 cm from the edges surrounding the EUT:				
Values Position	Value A/m	Limit A/m	Result	Remark
Top	0.1169	1.63	PASS	--