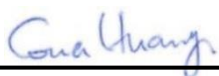


RF Exposure Report

FCC ID : 2AXZJ-J48800
Equipment : Wireless Phone Charger
Brand Name : LUCID
Model Name : J48800
Applicant : Lucid USA, Inc
: 7373 Gateway Blvd, Newark, CA 94560, USA
Manufacture : Lucid USA, Inc
: 7373 Gateway Blvd, Newark, CA 94560, USA
Standard : FCC CFR 47 part 2.1091

The product was received on Jan. 05, 2024 and testing was started from Jan. 24, 2024 and completed on Jan. 25, 2024. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1091 and has been pass the FCC requirement.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA3N2127	Rev. 01	Initial issue of report	Jul. 08, 2024

1. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	Wireless Phone Charger
Brand Name	LUCID
Model Name	J48800
FCC ID	2AXZJ-J48800
Frequency Range	127.7 KHz
Modulation Type	FSK

2. RF Exposure Limit Introduction

§ 1.1310 The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency(RF) radiation as specified in § 1.1307(b).

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 Exposure				
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
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
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
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

(1) Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when a person is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure. The phrase fully aware in the context of applying these exposure limits means that an exposed person has received written and/or verbal information fully explaining the potential for RF exposure resulting from his or her employment. With the exception of transient persons, this phrase also means that an exposed person has received appropriate training regarding work practices relating to controlling or mitigating his or her exposure. Such training is not required for transient persons, but they must receive written and/or verbal information and notification (for example, using signs) concerning their exposure potential and appropriate means available to mitigate their exposure. The phrase exercise control means that an exposed person is allowed to and knows how to reduce or avoid exposure by administrative or engineering controls and work practices, such as use of personal protective equipment or time averaging of exposure.

(2) 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.



3. KDB 680106 D01 EQUIPMENT APPROVAL CONSIDERATIONS

Requirement	Devices
(1) Power transfer frequency is less than 1 MHz.	Yes. Operating Frequency is less than 1MHz
(2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts	The device support eight primary coil, the device output power of each individual coil is < 15W, and the total output power from two charging coil is > 15W.
(3) A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact	The device consist of eight primary coils and only support two charging clients in the same time
(4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions)	The product do not support any physical attach to the client, mobile exposure condition is applied

4. Test Mode

This device has been tested in the following charging conditions as below:

Test Mode	Test Setup Configuration	Charging Current Condition
TM1	Test w/ Samsung Galaxy Buds Client Device installed	< 15% Battery status
TM2	Test w/ Samsung Galaxy Buds Client Device installed	equal to 50% Battery status
TM3	Test w/ Samsung Galaxy Buds Client Device installed	> 85% Battery status

5. Measurement Equipment

Instrument	Manufacturer	Model No.	Serial No.	Freq. Range	Last Cal.	Due Date
Electric and Magnetic field Probe-Analyzer	Narda S.T.S / PMM	EHP 200AC	170WX80309	3KHz~30MHz	Nov. 03, 2023	Nov. 02, 2024

6. RF Exposure Evaluation

General Note:

1. This device is compatible with Qi 1.2.4 specification, if client device supports the same Qi specification both can be charged, the client device of Samsung Galaxy Buds is used for WPT evaluation.
2. The charging pad operate frequency is 127.7 KHz and each coil output power is 15W
3. The charging pad support eight charging coils, the eight coils are divided into four coils on the left (Coil 5-8) and right (Coil 1 -4). If charging client is placed on the four coils on the left at the same time, only one coil will start charging, even the eight coil placed eight client load, only two number coil will active at same time (one active coil on left and right).
4. The charging pad is installed under the front center armrest of driver, If the user places his hand on the armrest, there will be a distance of about ten centimeters from the charging pad, and the charging pad is 15cm away from the driver's seat and passenger seat.
5. The E/H-Field 10cm measured results from the center of the probes to the edge of the device as below table, first, we measure each coil from no.1 to no.8, and select worst two coil from left (Coil no.5 - no.8) and right (Coil no.1 - no.4) to do simultaneous measurement, a test plan was confirm via KDB inquiry.

Position	Coil number Is tested	Test Distance (cm)	Test Mode	H-Field (A/m)	E-Field (V/m)	H-Field Limit (A/m)	E-Field Limit (V/m)
Top Surface	Coil 1	10	1	1.4027	1.8753	1.63	614
Top Surface	Coil 2	10	1	1.4812	1.7812	1.63	614
Top Surface	Coil 3	10	1	1.6051	2.2513	1.63	614
Top Surface	Coil 4	10	1	1.3994	1.544	1.63	614
Top Surface	Coil 5	10	1	1.3288	1.3948	1.63	614
Top Surface	Coil 6	10	1	1.6189	2.3994	1.63	614
Top Surface	Coil 7	10	1	1.3395	1.867	1.63	614
Top Surface	Coil 8	10	1	1.427	1.749	1.63	614
Left Side	Coil 1	10	1	0.7412	0.8851	1.63	614
Left Side	Coil 2	10	1	0.7654	0.8677	1.63	614
Left Side	Coil 3	10	1	0.6431	0.8475	1.63	614
Left Side	Coil 4	10	1	0.6183	0.6587	1.63	614
Left Side	Coil 5	10	1	0.7294	0.8621	1.63	614
Left Side	Coil 6	10	1	0.5533	1.1634	1.63	614
Left Side	Coil 7	10	1	0.7858	0.6914	1.63	614
Left Side	Coil 8	10	1	1.1841	1.1936	1.63	614
Right Side	Coil 1	10	1	1.023	1.23	1.63	614
Right Side	Coil 2	10	1	0.9609	1.1535	1.63	614
Right Side	Coil 3	10	1	1.1424	0.9389	1.63	614
Right Side	Coil 4	10	1	0.4534	0.975	1.63	614
Right Side	Coil 5	10	1	0.4164	1.1334	1.63	614
Right Side	Coil 6	10	1	0.6524	1.1412	1.63	614
Right Side	Coil 7	10	1	0.6558	0.8168	1.63	614
Right Side	Coil 8	10	1	0.8018	1.0126	1.63	614
Top Side	Coil 1	10	1	0.4053	0.5078	1.63	614
Top Side	Coil 2	10	1	0.3921	0.4619	1.63	614
Top Side	Coil 3	10	1	0.3894	0.4821	1.63	614
Top Side	Coil 4	10	1	0.3898	0.4158	1.63	614
Top Side	Coil 5	10	1	0.2668	0.6163	1.63	614
Top Side	Coil 6	10	1	0.3392	0.4726	1.63	614
Top Side	Coil 7	10	1	0.2586	0.4864	1.63	614
Top Side	Coil 8	10	1	0.3916	0.6351	1.63	614
Bottom Side	Coil 1	10	1	0.8642	1.1278	1.63	614
Bottom Side	Coil 2	10	1	0.8792	1.3387	1.63	614
Bottom Side	Coil 3	10	1	0.9781	1.2392	1.63	614
Bottom Side	Coil 4	10	1	0.9485	1.0627	1.63	614
Bottom Side	Coil 5	10	1	0.8817	0.9794	1.63	614



Bottom Side	Coil 6	10	1	1.0082	1.4858	1.63	614
Bottom Side	Coil 7	10	1	1.1877	1.1962	1.63	614
Bottom Side	Coil 8	10	1	0.9606	0.9686	1.63	614
Top Surface	Coil 1	10	2	1.327689	1.841834	1.63	614
Top Surface	Coil 2	10	2	1.462623	1.699333	1.63	614
Top Surface	Coil 3	10	2	1.584537	2.222463	1.63	614
Top Surface	Coil 4	10	2	1.363082	1.471556	1.63	614
Top Surface	Coil 5	10	2	1.262497	1.293654	1.63	614
Top Surface	Coil 6	10	2	1.601789	2.371931	1.63	614
Top Surface	Coil 7	10	2	1.250742	1.824968	1.63	614
Top Surface	Coil 8	10	2	1.385103	1.675896	1.63	614
Left Side	Coil 1	10	2	0.706911	0.832393	1.63	614
Left Side	Coil 2	10	2	0.727567	0.860381	1.63	614
Left Side	Coil 3	10	2	0.554975	0.747472	1.63	614
Left Side	Coil 4	10	2	0.577585	0.619731	1.63	614
Left Side	Coil 5	10	2	0.703814	0.846332	1.63	614
Left Side	Coil 6	10	2	0.461085	1.129606	1.63	614
Left Side	Coil 7	10	2	0.707138	0.665899	1.63	614
Left Side	Coil 8	10	2	1.126634	1.182252	1.63	614
Right Side	Coil 1	10	2	0.965431	1.128503	1.63	614
Right Side	Coil 2	10	2	0.863772	1.148871	1.63	614
Right Side	Coil 3	10	2	1.070596	0.882912	1.63	614
Right Side	Coil 4	10	2	0.403653	0.930604	1.63	614
Right Side	Coil 5	10	2	0.337038	1.033634	1.63	614
Right Side	Coil 6	10	2	0.586993	1.094422	1.63	614
Right Side	Coil 7	10	2	0.641464	0.792295	1.63	614
Right Side	Coil 8	10	2	0.71575	0.948811	1.63	614
Top Side	Coil 1	10	2	0.330834	0.454872	1.63	614
Top Side	Coil 2	10	2	0.366722	0.38433	1.63	614
Top Side	Coil 3	10	2	0.356923	0.457153	1.63	614
Top Side	Coil 4	10	2	0.356078	0.321663	1.63	614
Top Side	Coil 5	10	2	0.200594	0.596603	1.63	614
Top Side	Coil 6	10	2	0.239145	0.461853	1.63	614
Top Side	Coil 7	10	2	0.257308	0.485098	1.63	614
Top Side	Coil 8	10	2	0.300885	0.552886	1.63	614
Bottom Side	Coil 1	10	2	0.785956	1.063224	1.63	614
Bottom Side	Coil 2	10	2	0.851852	1.263645	1.63	614
Bottom Side	Coil 3	10	2	0.896282	1.222431	1.63	614
Bottom Side	Coil 4	10	2	0.886369	0.983541	1.63	614
Bottom Side	Coil 5	10	2	0.839935	0.946025	1.63	614
Bottom Side	Coil 6	10	2	0.939715	1.441966	1.63	614
Bottom Side	Coil 7	10	2	1.153204	1.123132	1.63	614
Bottom Side	Coil 8	10	2	0.938853	0.960513	1.63	614
Top Surface	Coil 1	10	3	1.363691	1.780087	1.63	614
Top Surface	Coil 2	10	3	1.445189	1.73054	1.63	614
Top Surface	Coil 3	10	3	1.51452	2.193837	1.63	614
Top Surface	Coil 4	10	3	1.339576	1.510592	1.63	614
Top Surface	Coil 5	10	3	1.269915	1.31443	1.63	614
Top Surface	Coil 6	10	3	1.589554	2.335996	1.63	614
Top Surface	Coil 7	10	3	1.258881	1.80282	1.63	614
Top Surface	Coil 8	10	3	1.368176	1.706229	1.63	614
Left Side	Coil 1	10	3	0.6832	0.828341	1.63	614
Left Side	Coil 2	10	3	0.739237	0.789826	1.63	614
Left Side	Coil 3	10	3	0.594526	0.766294	1.63	614
Left Side	Coil 4	10	3	0.560076	0.652884	1.63	614



Left Side	Coil 5	10	3	0.69285	0.817854	1.63	614
Left Side	Coil 6	10	3	0.499896	1.134502	1.63	614
Left Side	Coil 7	10	3	0.72528	0.615806	1.63	614
Left Side	Coil 8	10	3	1.135228	1.118465	1.63	614
Right Side	Coil 1	10	3	0.946272	1.192	1.63	614
Right Side	Coil 2	10	3	0.928948	1.144702	1.63	614
Right Side	Coil 3	10	3	1.089092	0.906439	1.63	614
Right Side	Coil 4	10	3	0.398165	0.944661	1.63	614
Right Side	Coil 5	10	3	0.353666	1.108336	1.63	614
Right Side	Coil 6	10	3	0.649425	1.100436	1.63	614
Right Side	Coil 7	10	3	0.620735	0.784617	1.63	614
Right Side	Coil 8	10	3	0.735508	0.934027	1.63	614
Top Side	Coil 1	10	3	0.373134	0.486708	1.63	614
Top Side	Coil 2	10	3	0.353228	0.401577	1.63	614
Top Side	Coil 3	10	3	0.329857	0.392696	1.63	614
Top Side	Coil 4	10	3	0.3148	0.353987	1.63	614
Top Side	Coil 5	10	3	0.216615	0.522479	1.63	614
Top Side	Coil 6	10	3	0.308915	0.457905	1.63	614
Top Side	Coil 7	10	3	0.162793	0.47192	1.63	614
Top Side	Coil 8	10	3	0.37099	0.543956	1.63	614
Bottom Side	Coil 1	10	3	0.797468	1.089809	1.63	614
Bottom Side	Coil 2	10	3	0.784381	1.265015	1.63	614
Bottom Side	Coil 3	10	3	0.911032	1.227643	1.63	614
Bottom Side	Coil 4	10	3	0.855095	0.971803	1.63	614
Bottom Side	Coil 5	10	3	0.838947	0.977991	1.63	614
Bottom Side	Coil 6	10	3	0.968784	1.469182	1.63	614
Bottom Side	Coil 7	10	3	1.141452	1.129424	1.63	614
Bottom Side	Coil 8	10	3	0.945586	0.928213	1.63	614
Top Surface	Coil 3 + Coil 6	10	1	1.5819	1.9559	1.63	614

Conclusion:

The field strength limit refers to Part 1.1310 and the test result of exposure evaluation is less than the applicable MPE limit.