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Report No.: T180730W02-MF

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KDB 680106 D01 V03
47 C.F.R. Part 1, Subpart I, Section 1.1310
47 C.F.R. Part 1, Subpart I, Section 1.1307
47 C.F.R. Part 2, Subpart J, Section 2.1093

RF Exposure Test Report

For

13.3" LCD Touch Monitor

Model: QM-133BD-OPDR03;QM-133xxxxxxxxxxxxxxxxxxxxxx (where x may be Alphanumeric character, symbol or blank for marketing purpose only, and no impact safety related constructions and critical components)

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部分複製。

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	August 20, 2018	Initial Issue	ALL	Jerry Chuang
01	September 5, 2018	Added measurement for Top position	6-8	Jerry Chuang



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1. EUT SPECIFICATION

Equipment under Test: 13.3" LCD Touch Monitor

Trade Name:

Model Number: QM-133BD-OPDR03;QM-133xxxxxxxxxxxxxxxxxxxxxx (where x may be Alphanumeric character, symbol or blank for marketing purpose only, and no impact safety related constructions and critical components)

Operating Frequency: 110kHz~ 205kHz

Date of Test: August 20, 2018

Applicable Standards
KDB 680106 D01 V03 47 C.F.R. Part 1, Subpart I, Section 1.1310 47 C.F.R. Part 1, Subpart I, Section 1.1307 47 C.F.R. Part 2, Subpart J, Section 2.1093
Test Result
Pass

The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:

Tested by:

Scott Hsu
Section Manager
Compliance Certification Services Inc.

Jerry Chuang
SAR Engineer
Compliance Certification Services Inc.

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2. TEST LIMIT

FCC Rules and Regulations Part 1 Section 1.1310 and KDB 680106 D01 v03

§1.1310 : 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), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

Table 1 – Limits for Maximum Permissible Exposure (MPE)
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 (Minutes)
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/500	30
1500-100,000			1.0	30

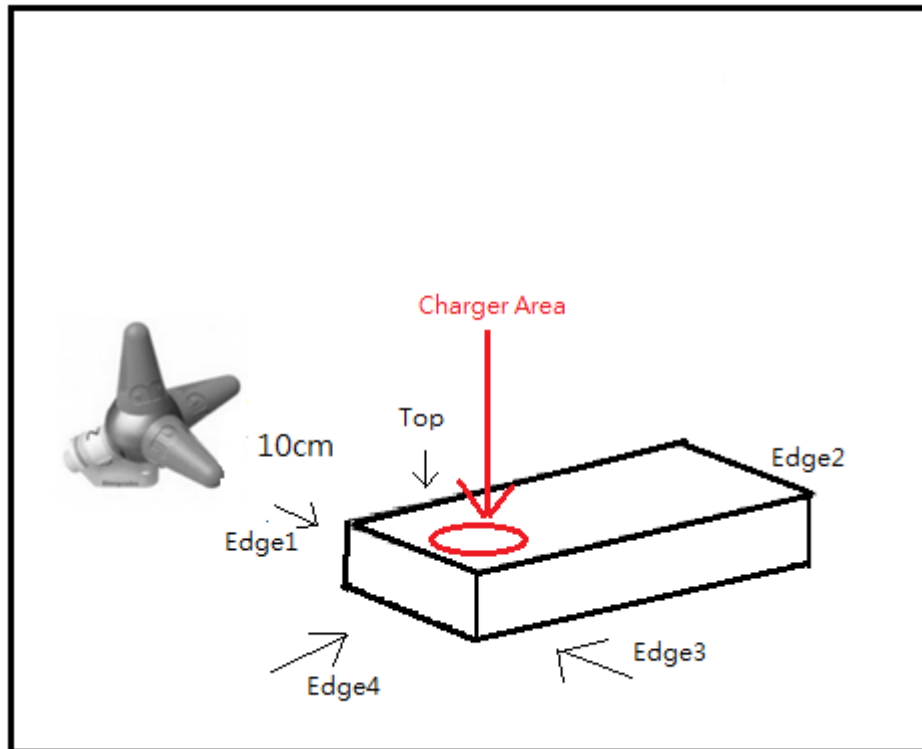
f = frequency in MHz

* = Plane-wave equivalent power density

Note to Table 1 : General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

3. TEST METHOD

Test setup

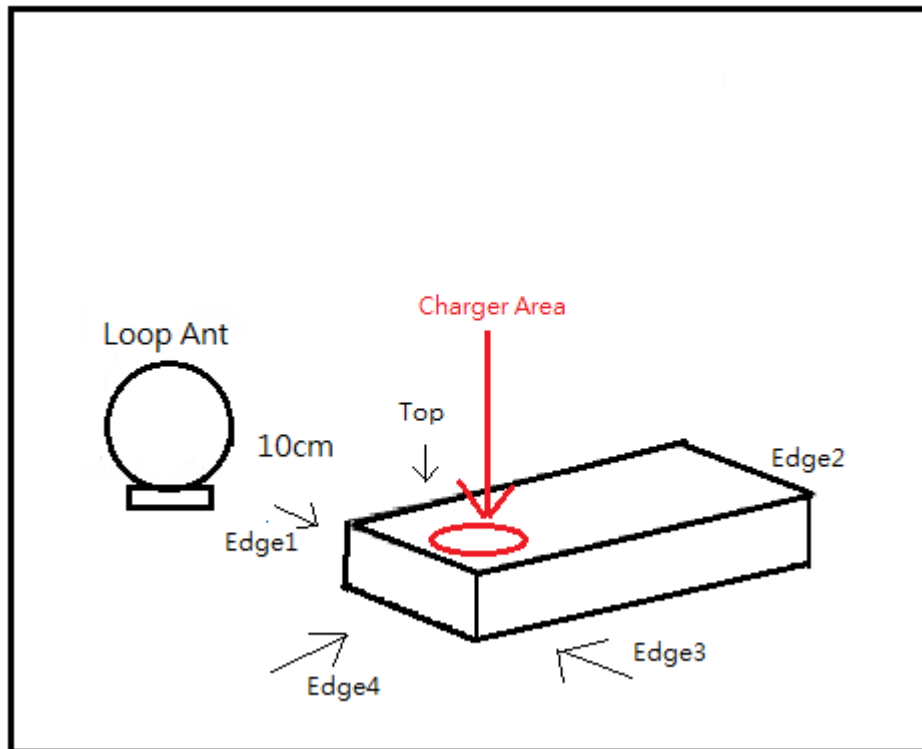


- The measurement probe was placed at test distance as 10cm which is between the edge of the charger and the probe.
- The highest emission level was recorded and compared with the limit as soon as measurement of each point (Edge1, Edge3, Edge4 and Top) was completed.

Remark:

- We used load to performed testing in charge mode.

H-Field



- a) The measurement probe was placed at test distance as 10cm which is between the edge of the charger and the probe.
- b) The highest emission level was recorded and compared with the limit as soon as measurement of each point (Edge1, Edge3, Edge4 and Top) was completed.

4. TEST RESULTS

E-Field Strength

Test Distance (cm)	Test Position	Test result (V/m)	FCC Limit (V/m)	Ratio (%)
10 cm	Edge 1	0.58	614	0.09
	Edge 3	0.73	614	0.12
	Edge 4	0.37	614	0.06
	Top	0.88	614	0.14

H-Field Strength

Test Distance (cm)	Test Position	Test result (A/m)	FCC Limit (A/m)	Ratio (%)
10 cm	Edge 1	0.0123	1.63	0.75%
	Edge 3	0.0047	1.63	0.29%
	Edge 4	0.0178	1.63	1.09%
	Top	0.0237	1.63	1.45%

5. EQUIPMENT LIST

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due Date
Laser Powered Field Probe	AR	FL7006	0433723	2018/08/31
Laser Powered Field Probe	AR	FL7006	0345806	2019/06/05
Loop Antenna	COM-POWER	AL-130	121051	2019/03/20
Spectrum Analyzer	Agilent	E4446A	US42510268	2019/02/05
Cable	HUBER SUHNER	SUCOFLEX 104PEA	20995	2019/06/28

Note: The calibration period equipment is 1 year.