RF EXPOSURE EVALUATION REPORT

FCC ID : 2AYXP-6253

Equipment: Electronic Display Device

Model Name: M2L4EK

Applicant : Avalite Bakerite LLC

101 East Park BoulevardPlano, TX 75074

Standard: 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1091 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

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

ilac-MRA



Report No.: FA0N1024-01

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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History of this test report

Report No. : FA0N1024-01

Report No.	Version	Description	Issued Date
FA0N1024-01	Rev. 01	Initial issue of report	May 11, 2021
FA0N1024-01	Rev. 02	Updated section 2	Jun. 23, 2021
FA0N1024-01	Rev. 03	Updated section 2	Jul. 13, 2021

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PORTON LAB. RF EXPOSURE EVALUATION REPORT

1. Description of Equipment Under Test (EUT)

Product Feature & Specification						
EUT Type	Electronic Display Device					
Model Name	M2L4EK					
FCC ID	2AYXP-6253					
Wireless Technology and Frequency Range	WLAN 2.4GHz Band: 2412 MHz ~ 2472 MHz WLAN 5.2GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.3GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.6GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8GHz Band: 5725 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz WPC: 100 - 300 kHz					
Mode	WLAN: 802.11a/b/g/n/ac HT20/HT40/VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE WPC:ASK					

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Reviewed by: <u>Jason Wang</u> Report Producer: <u>Paula Chen</u>

2. RF Exposure Evaluation

1. The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR.

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison.
- 2. The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.
- 3. For this e-reader device, the test separation distance is 0mm therefore 5mm is used in the equation. For each of the technologies the maximum output power (nominal power plus tune-up tolerance), corrected for both source-based duty cycle and UBDTF duty cycle calculated in this document, is used in the equation above to determine if SAR is excluded (value is 3.0 or less) or required (value exceeds 3.0). The table on the following page shows the results thresholds with a green background meet the exclusion criteria, those in red do not.

ANT 1	Tx	Freq. (MHz)	UBDTF Duty Cycle Note1	Output Power			Separation distance	Threshold
ANTI				dBm	mW	mW Note2	(mm) Note 3	Value Note 4
WLAN	2.4GHz	2472	5.18%	17.5	56.2	2.9	5	0.9
WLAN	5GHz	5825	4.84%	16.5	44.7	2.2	5	1.0
BT	BR	2480	83.30%	8	6.3	5.3	5	1.7

Note:

- 1. : UBTDF duty factor calculation in this document.
- 2. : Maximum power adjusted for UBTDF (see note 1) and rounded to closest mW as per KDB 447498 procedures.
- : Minimum test separation distance between enclosure and person is 5mm per KDB 616217 D04 Tablet computer device test procedures.
- . To exclude the device from SAR testing the threshold value must be less than 3.0.

Conclusion:

According to the UBTDF document analysis exhibit, the WLAN and Bluetooth maximum tune-up power scaled down with the transmission factor is applied in standalone SAR test exclusion threshold analysis and is exempted from SAR testing.

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