# RF EXPOSURE EVALUATION REPORT

| | | |
|---|---|---|
| **FCC ID** | : | **2AYXP-6252** |
| **Equipment** | : | **Electronic Display Device** |
| **Model Name** | : | **M2L3EK** |
| **Applicant** | : | **Avalite Bakerite LLC**<br>**101 East Park Boulevard Plano, 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.**

Cona Huang

**Approved by: Cona Huang / Deputy Manager**

***SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory***
*No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)*

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# History of this test report

| Report No. | Version | Description | Issued Date |
|---|---|---|---|
| FA0N1024-02 | Rev. 01 | Initial issue of report | Jun. 24, 2021 |
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# 1. Description of Equipment Under Test (EUT)

| Product Feature & Specification | |
|---|---|
| EUT Type | Electronic Display Device |
| Model Name | M2L3EK |
| FCC ID | 2AYXP-6252 |
| Wireless Technology and Frequency Range | WLAN 2.4GHz Band: 2412 MHz ~ 2472 MHz<br>WLAN 5.2GHz Band: 5150 MHz ~ 5250 MHz<br>WLAN 5.3GHz Band: 5250 MHz ~ 5350 MHz<br>WLAN 5.6GHz Band: 5470 MHz ~ 5725 MHz<br>WLAN 5.8GHz Band: 5725 MHz ~ 5825 MHz<br>Bluetooth: 2402 MHz ~ 2480 MHz |
| Mode | WLAN: 802.11a/b/g/n/ac HT20/HT40/VHT20/VHT40/VHT80<br>Bluetooth BR/EDR/LE |

**Reviewed by: Jason Wang**

**Report Producer: Paula Chen**

# 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)] ·[√f(GHz)] ≤ 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 (mm) Note 3 | Threshold Value Note 4 |
|---|---|---|---|---|---|---|---|---|
| | | | | dBm | mW | mW Note2 | | |
| 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.
3. : Minimum test separation distance between enclosure and person is 5mm per KDB 616217 D04 Tablet computer device test procedures.
4. 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.