



SPOT CHECK EVALUATION

FCC ID : 2AYXP-6252
Equipment : Electronic Display Device
Model Name : M2L3EK
Applicant : Avalite Bakerite LLC
101 East Park Boulevard Plano, TX 75074
Standard : FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart E §15.407

We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test 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: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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History of this test report

Version	Description	Issued Date
01	Initial issue of report	May 13, 2021
02	Revise description in section 3	Jul. 26, 2021



1. Introduction Section

Avalite Bakerite LLC will take full responsibility for reuse the test data.

Avalite Bakerite LLC, hereby declares that the WLAN and Bluetooth hardware of 2AYXP-6252 are HW identical to 2AYXP-6253 (lead). In addition, 2AYXP-6252 digital circuit is identical to 2AYXP-6253 (lead). Therefore the following report of 2AYXP-6253 (lead) may be used as reference test data for 2AYXP-6252, along with the spot check verification data following the FCC KDB 484596 D01 v01.

- WLAN
- Bluetooth



2. Difference Section

Difference between 2AYXP-6253 (lead) and 2AYXP-6252:

Avalite Bakerite LLC, hereby declares that 2AYXP-6253 (lead) and 2AYXP-6252 are electrical identical except 2AYXP-6253 (lead) has the WPC receiver function. Therefore the WLAN/Bluetooth report/data of 2AYXP-6253 (lead) may represent for 2AYXP-6252.



3. Spot Check Verification Data Section

Conducted power test and radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Summary for power and RSE spot check for each rule entry and technology is listed as below:

Test Item	Mode	2AYXP-6253 (lead) Worst Result	2AYXP-6252 Worst Result	Difference (dB)
Average Conducted Power (dBm)	BT3.0	7.62	7.83	-0.21
	BLE	-0.8	-0.7	-0.1
	WLAN 2.4G	15.3	15.7	-0.4
	WLAN 5G	16.3	16.2	0.1
Average Radiated Spurious Emission (Band Edge) (dBuV/m)	BT3.0	19.95	20.23	-0.28
	BLE	47.19	47.3	-0.11
	WLAN 2.4G	50.85	49.93	0.92
	WLAN 5G	49.66	50.17	-0.51
Peak Radiated Spurious Emission (Harmonic) (dBuV/m)	BT3.0	45.35	45.17	0.18
	BLE	44.33	45.3	-0.97
	WLAN 2.4G	53	52.55	0.45
	WLAN 5G	54.18	51.68	2.5



Conclusion:

Radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Based on the spot check test result, the test data from the original model is representative for the variant model. The power level and RSE spot check are shown within expected level compliant to limit line.

We are using power and ERP/EIRP measurements from the original parent model reports to list on the grant.

UNII DFS detection mechanism/software of variant model is the same as original model, thus the original DFS report is being reused and no spot check is done on the variant model.

We confirm that the test data reuse policy of FCC KDB 484596 D01 Referencing Test Data v01 has been followed and take full responsibility that the test data as referenced from the parent model report represents compliance for the new FCC ID.



4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Reference FCC ID (Parent)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)
15C	DSS	Bluetooth	2400~2483.5	2AYXP-6253	Original Grant	FR0N1024-01A	2AYXP-6252
	DTS	BLE Wi-Fi	2400~2483.5	2AYXP-6253	Original Grant	FR0N1024-01B FR0N1024-01C	2AYXP-6252
15E	NII	Wi-Fi	5150~5250 5250~5350 5470~5725 5725~5850	2AYXP-6253	Original Grant	FR0N1024-01D FR0N1024-01E	2AYXP-6252
		DFS	5250~5350 5470~5725	2AYXP-6253	Original Grant	FZ0N1024-01	2AYXP-6252

END of this report