



Spot Check Evaluation

APPLICANT : Lenovo (Shanghai) Electronics Technology Co., Ltd.
EQUIPMENT : Portable Tablet Computer
BRAND NAME : Lenovo
MODEL NAME : TB300XU
FCC ID : O57TB300XU
STANDARD : 47 CFR Part 15 Subpart C §15.247
47 CFR Part 15 Subpart E §15.407

We, Sporton International Inc. (Kunshan), 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. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
2725050-01	Rev. 01	Initial issue of report	Sep. 20, 2022



1 General Description

1.1 Applicant

Lenovo (Shanghai) Electronics Technology Co., Ltd.

Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone

1.2 Manufacturer

Lenovo PC HK Limited

23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	TB300XU
FCC ID	O57TB300XU
HW Version	Lenovo Tablet TB300XU
SW Version	TB300XU_RF01_220809
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-KS	CN1257	314309

2 Re-use of Measured Data

2.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: TB300XU, FCC ID: O57TB300XU) is electrically identical to the reference device (Model: TB300FU, FCC ID: O57TB300FU) for the portions of the circuitry corresponding to the data being re-used. Based on their similarity, the FCC Part 15C (equipment class: DTS, DSS) and FCC Part 15E (equipment class: NII) reuse the original model's result and do spot-check, following the FCC KDB 484596 D01 v01.

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID: O57TB300XU.

2.2 Model Difference Information

The **main** difference between FCC ID: O57TB300FU and FCC ID: O57TB300XU is as below:

- Add WWAN Bands.

Other differences and all the details of similarity and difference can be found in the confidential documents (TB300XU_Operational Description of Product Equality Declaration).

2.3 Reference detail Section:

Rule Part	Equipment Class	Frequency Band (MHz)	Reference FCC ID(Parent)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)	Report Title/Section
15C	DSS (BR/EDR)	2400~2483.5	O57TB300FU	Original Grant	FR272505A	O57TB300XU	All sections applicable
	DTS (BLE)	2400~2483.5	O57TB300FU	Original Grant	FR272505B	O57TB300XU	All sections applicable
	DTS (WLAN)	2400~2483.5	O57TB300FU	Original Grant	FR272505C	O57TB300XU	All sections applicable
15E	NII	5150~5250	O57TB300FU	Original Grant	FR272505D	O57TB300XU	All sections applicable
	NII	5250~5350	O57TB300FU	Original Grant	FR272505D	O57TB300XU	All sections applicable
	NII	5470~5725	O57TB300FU	Original Grant	FR272505D	O57TB300XU	All sections applicable
	NII	5725~5850	O57TB300FU	Original Grant	FR272505D	O57TB300XU	All sections applicable
	DFS	5250~5350 5470~5725	O57TB300FU	Original Grant	FZ272505	O57TB300XU	All sections applicable



2.4 Spot Check Verification Data Section

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

Test Item	Mode	O57TB300FU Parent Worst Result	O57TB300XU Variant Check Result	Difference (dB)
Conducted Power (dBm)	BT	10.67	10.46	0.21
	BLE 1M	3.54	3.30	0.24
	BLE 2M	3.58	3.36	0.22
	11B	19.78	19.15	0.63
	11G	25.05	24.62	0.43
	11N20	25.47	24.81	0.66
	11N40	25.25	25.12	0.13
	11A U-NII-1	15.93	15.50	0.43
	11A U-NII-2A	16.27	15.58	0.69
	11A U-NII-2C	16.34	15.64	0.7
	11A U-NII-3	16.37	15.62	0.75
	11N20 U-NII-1	14.87	14.29	0.58
	11N20 U-NII-2A	15.09	14.37	0.72
	11N20 U-NII-2C	15.25	14.52	0.73
	11N20 U-NII-3	15.11	14.25	0.86
	11N40 U-NII-1	15.07	14.29	0.78
	11N40 U-NII-2A	15.03	14.26	0.77
	11N40 U-NII-2C	15.14	14.32	0.82
	11N40 U-NII-3	15.16	14.35	0.81
	11AC20 U-NII-1	15.04	14.35	0.69
	11AC20 U-NII-2A	15.10	14.46	0.64
	11AC20 U-NII-2C	15.26	14.57	0.69
	11AC20 U-NII-3	15.20	14.28	0.92
	11AC40 U-NII-1	14.81	14.17	0.64
	11AC40 U-NII-2A	14.89	14.24	0.65
	11AC40 U-NII-2C	15.01	14.30	0.71
	11AC40 U-NII-3	14.94	14.32	0.62
	11AC80 U-NII-1	13.04	12.20	0.84
	11AC80 U-NII-2A	13.02	12.34	0.68
	11AC80 U-NII-2C	13.13	12.43	0.7
	11AC80 U-NII-3	13.06	12.20	0.86



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 spot check are shown within expected level compliant to limit line.

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

The same DFS detection mechanism/software is used in the variant. Hence, there is no spot check data for DFS hand-shaking mechanism.

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



3 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 14, 2021	Sep. 02, 2022	Oct. 13, 2022	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 05, 2022	Sep. 02, 2022	Jan. 04, 2023	Conducted (TH01-KS)

NCR: No Calibration Required.

-THE END-