



FCC Part 96.47 Test Report

Applicant : Lenovo(Shanghai) Electronics Technology Co., Ltd.
Equipment : Portable Tablet Computer
Brand Name : Lenovo
Model Name : TB336ZJ
FCC ID : O57TB336ZJ
Standard : FCC Part 96.47
Test Date(s) : Jun. 23, 2025

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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Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3	96.47	End User Device additional requirement	Pass	-

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



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	TB336ZJ
FCC ID	O57TB336ZJ
IMEI Code	860228080001478
HW Version	TB336ZJ
SW Version	Lenovo ZUI 17.0
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are four types of EUT, for the differences please refer to the TB336ZJ_Operational Description of Product Equality Declaration exhibit separately. After evaluation, the differences will not affect the RF performance, so we chose Sample 1 to full test.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency	5G NR 78: 3550 ~ 3700 MHz
Antenna Gain	<p><Ant. 3> 5G NR n78: -3.3 dBi</p> <p><Ant. 6> 5G NR n78: -5.2 dBi</p> <p><Ant. 7> 5G NR n78: -3.5 dBi</p> <p><Ant. 8> 5G NR n78: -6.4 dBi</p>
Type of Modulation	DFT-s-OFDM (PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM) CP-OFDM (QPSK / 16QAM / 64QAM / 256QAM)



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		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	DFS01-KS	CN1257	314309
Test Engineer	Carry Xu		
Temperature	20~ 24.5 °C		
Relative Humidity	40~ 60 %		

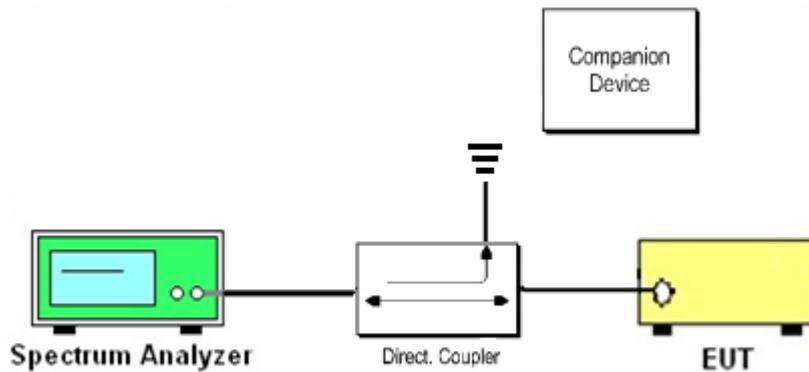
1.6 Applicable Standards

- ♦ FCC Part 96.47
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v03
- ♦ WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

2.1 Connection Diagram of Test System



The companion device is certified CBRS (FCC ID: WBK-RU4370)



3 End User Device additional requirement

3.1 Test Requirement

FCC Part 96.47

(a) End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

(1) An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

3.2 Test Procedure

Following procedure can be done by applying WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification, use the certified Ruckus CBSD (FCC ID: WBK-RU4370) as companion device to show compliance with Part 96.47 requirement for End User Device (EUD):

1. Setup with frequency 3550-3650MHz and power level 28dBm/MHz
2. Enable AP service from Ruckus Cloud management
3. Check EUD Tx Frequency and power
4. Disable AP service from Ruckus Cloud management
 - a. Check EUD stops transmission within 10seconds.

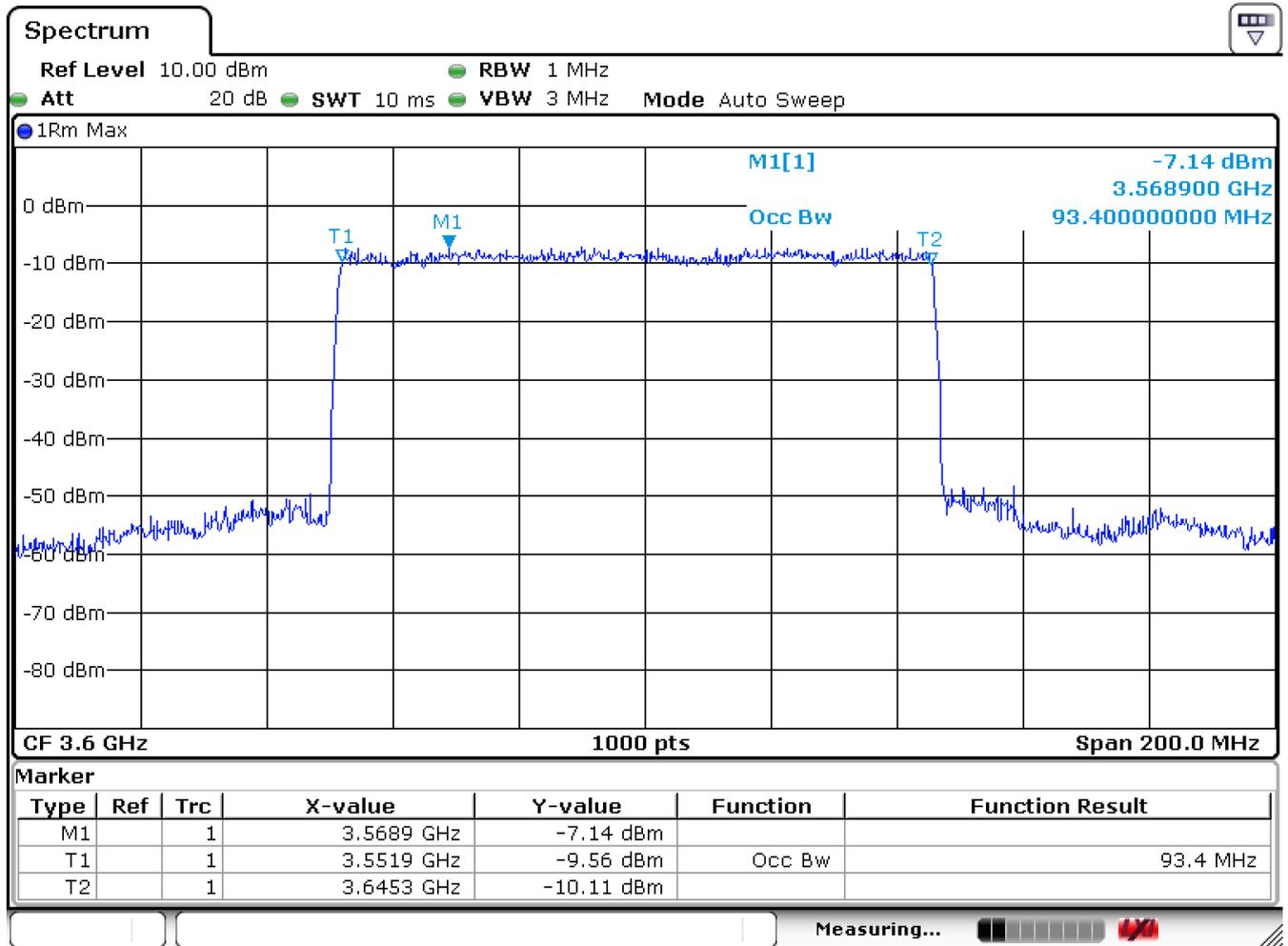
5. Setup with 3600-3700MHz & power level 18dBm/MHz
6. Enable AP service from Ruckus Cloud management
7. Check EUD Tx Frequency and power
8. Disable AP service from Ruckus Cloud management
 - a. Check EUD stops transmission within 10seconds.



3.3 Test Result

[Step 1] Setup with frequency 3550~3650MHz and power level 28dBm/MHz

[Step 3] Check EUD Tx Frequency and power



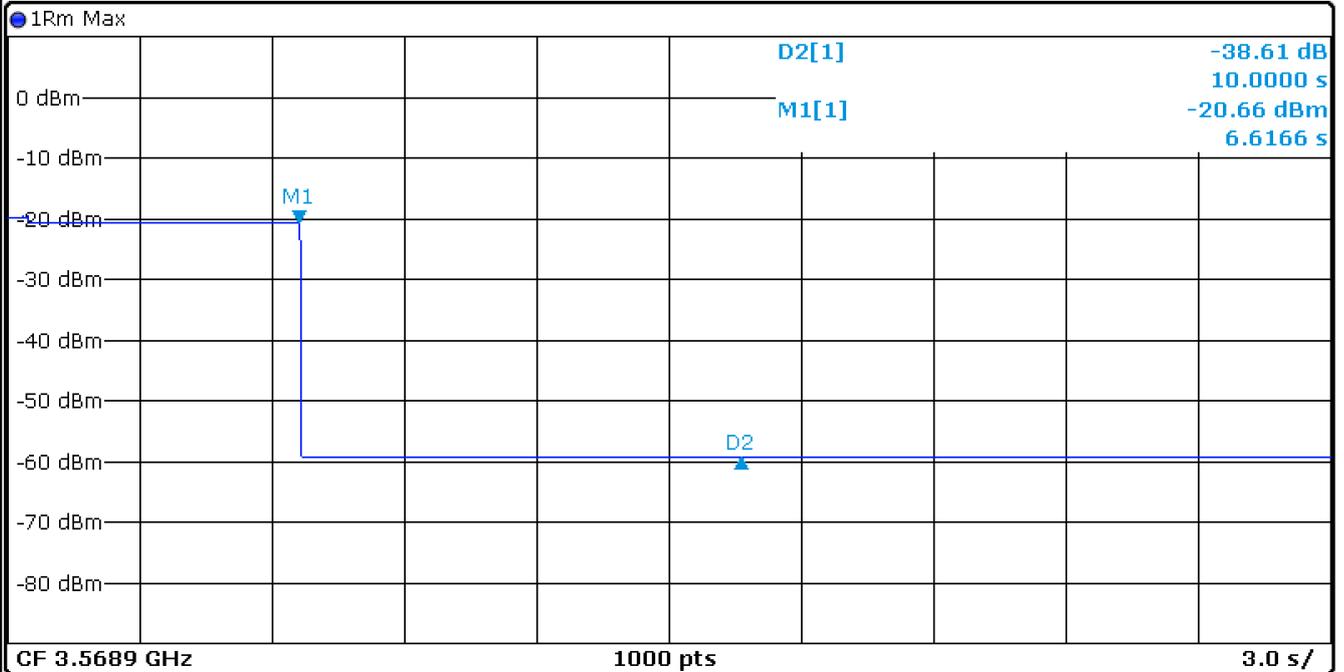
Date: 23.JUN.2025 22:28:05



[Step 4.a.] EUD stops transmission within 10 seconds of receiving instructions from its associated CBSD.

Spectrum

Ref Level 10.00 dBm RBW 10 MHz
Att 20 dB SWT 30 s VBW 10 MHz
SGL



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	6.6166 s	-20.66 dBm		
D2	M1	1	10.0 s	-38.61 dB		

Ready [Battery Icon] [Signal Icon]

Date: 23.JUN.2025 22:37:21

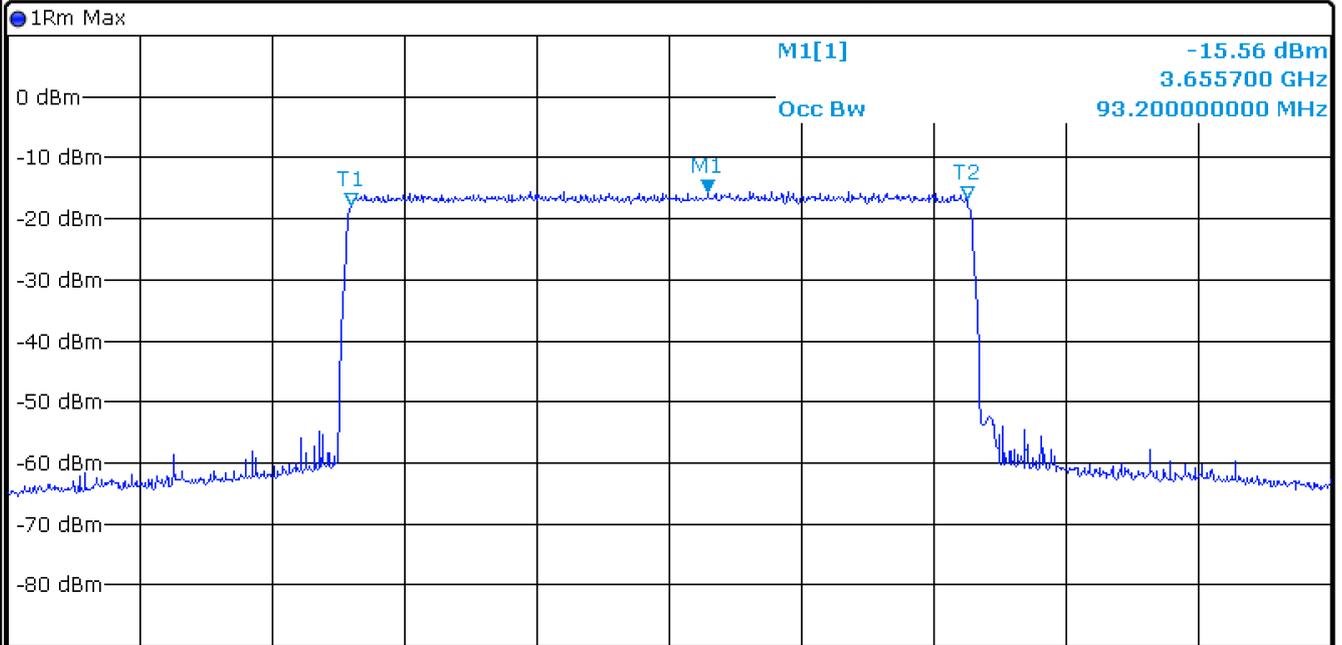


[Step 5] Setup with frequency 3600~3700MHz and power level 18dBm/MHz

[Step 7] Check EUD Tx Frequency and power

Spectrum

Ref Level 10.00 dBm Att 20 dB RBW 1 MHz SWT 10 ms VBW 3 MHz Mode Auto Sweep



CF 3.65 GHz 1000 pts Span 200.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	3.6557 GHz	-15.56 dBm		
T1		1	3.6019 GHz	-17.77 dBm	Occ Bw	93.2 MHz
T2		1	3.6951 GHz	-16.76 dBm		

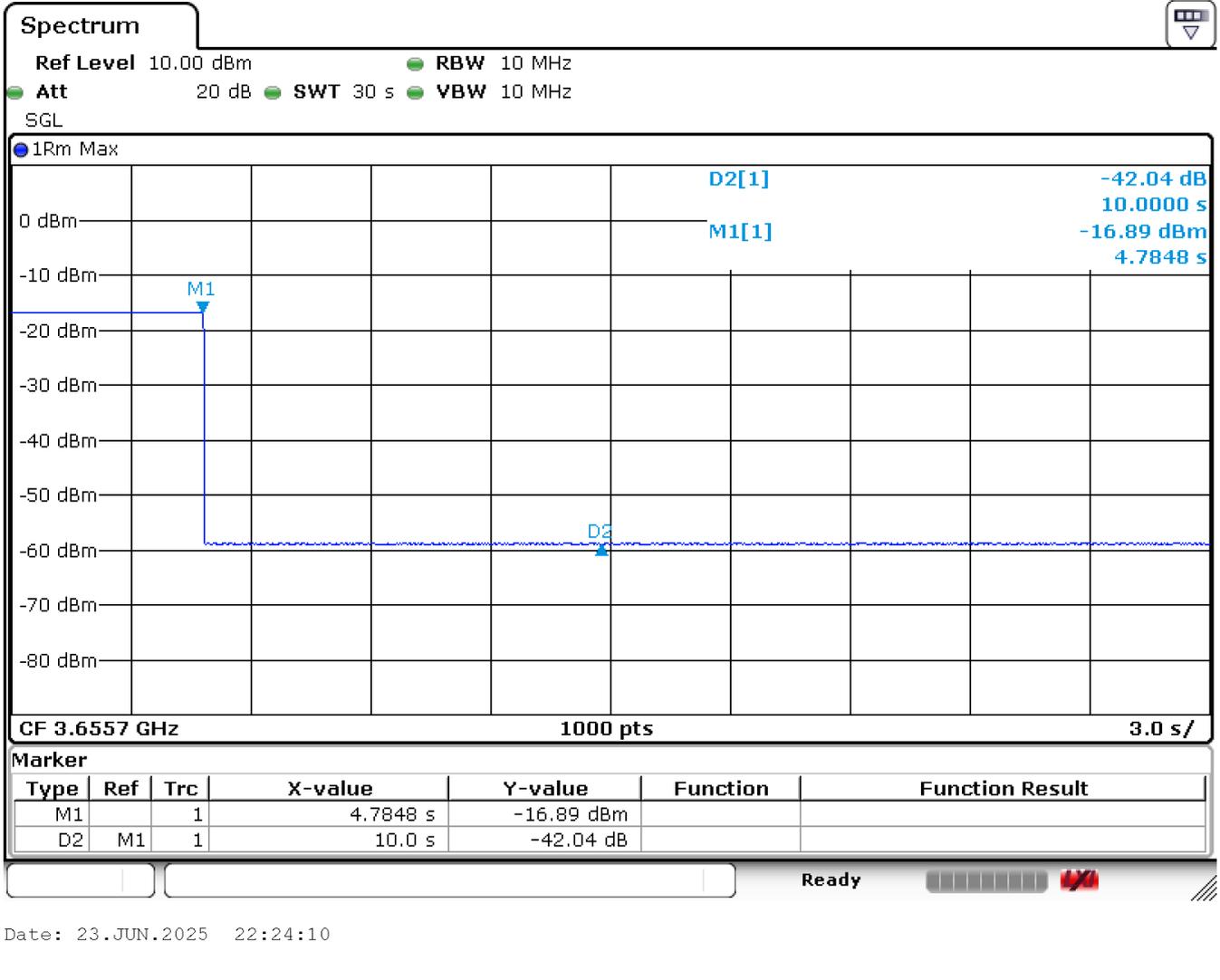
Measuring...

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[Step 8.a.] After changing the frequency and power level,

The module (EUT) discontinues operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD. Test result is PASS.





4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Signal Analyzer	R&S	FSV7	101472	10Hz~7GHz	Jan. 02, 2025	Jun. 23, 2025	Jan. 01, 2026	Conducted (DFS01-KS)
Combiner	MTJ Cooperation	MTJ7114-M	N/A	0.5GHz~18GHz	NCR	Jun. 23, 2025	NCR	Conducted (DFS01-KS)

NCR: No Calibration Required



5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Conducted Generated signal Levels	±0.56 dB
Conducted Time	0.38%

----- THE END -----