



FCC Part 96.47 TEST REPORT

FCC ID : O57TB360ZU
Equipment : Portable Tablet Computer
Brand Name : Lenovo
Model Name : TB360ZU
Applicant : Lenovo (Shanghai) Electronics Technology Co., Ltd.
Section 304-305, Building No. 4, # 222, Meiyue Road,
China (Shanghai) Pilot Free Trade Zone
Manufacturer : Lenovo PC HK Limited
23/F, Lincoln House, Taikoo Place
979 King's Road, Quarry Bay, Hong Kong, China
Standard : FCC Part 96.47
RF Interface : NR n77/78

The product was received on Mar. 30, 2023 and testing was performed from Apr. 27, 2023 to Apr. 28, 2023. We, Sporton International (USA) Inc., 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 (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Lance Tang

Sporton International (USA) Inc.

1175 Montague Expressway, Milpitas, CA 95035



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History of this test report

Report No.	Version	Description	Issue Date
FG230326006	01	Initial issue of report	May 03, 2023
FG230326006	02	Revise List of Measuring Equipment This report is an updated version, replacing the report issued on May 03, 2023.	May 04, 2023



Summary of Test Result

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

Conformity Assessment Condition: The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
Disclaimer: The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	TB360ZU
FCC ID	O57TB360ZU
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/5G NR/GNSS/ FM Receiver WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

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

1.3 Testing Laboratory

Test Site	Sporton International (USA) Inc.
Test Site Location	1175 Montague Expressway Milpitas, CA 95035 TEL: 408-904-3300
Test Site No.	Sporton Site No. TH01-CA
Test Engineer	Abi Lin and Kaying Xiong
Temperature	20~24 °C
Relative Humidity	43~47 %

FCC Designation No.: US1250

1.4 Applicable Standards

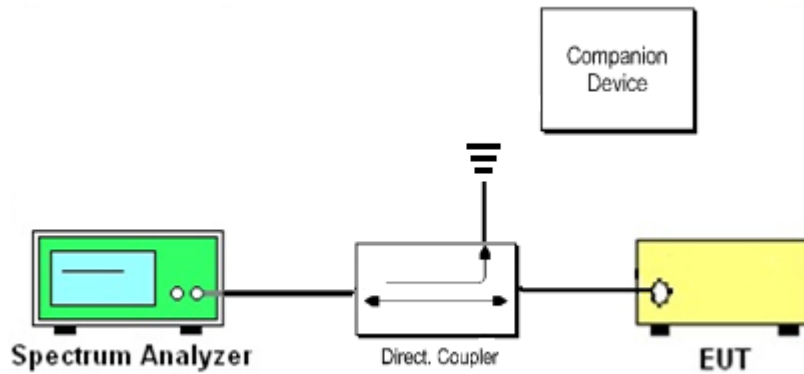
- ♦ FCC Part 96.47
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v03
- ♦ WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification

Remark:

1. All test items are verified and recorded according to the standards without deviation during the test.
2. The FCC KDBs cited above are out of test laboratory's ISO 17025 accreditation scope.

2 Test Configuration of Equipment Under Test

2.1 Connection Diagram of Test System



The companion device is certified NR CBSD (FCC ID: PIDAS2900)

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

The following test procedure are followed in accordance with WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification, use the certified Airspan NR CBSD (FCC ID: PIDAS2900) as a companion device to ensure End User Device (EUD) is in compliance with Part 96.47 requirements:

5G NR n77/78

1. Setup with frequency 3570-3590MHz and power level 30dBm/MHz
2. Enable CBSD service from Airspan ACP management
3. Check EUD Tx Frequency and power
4. Disable CBSD service from Airspan ACP management
 - a. Check if EUD stops transmission within 10 seconds.

5. Setup with frequency 3670-3690MHz and power level 20dBm/MHz
6. Enable CBSD service from Airspan ACP management
7. Check EUD Tx Frequency and power
8. Disable CBSD service from Airspan ACP management
 - a. Check if EUD stops transmission within 10 seconds.



3.3 Test Result

3.3.1 5G NR n77

[Step 1] Setup with frequency 3570-3590MHz and power level 30dBm/MHz

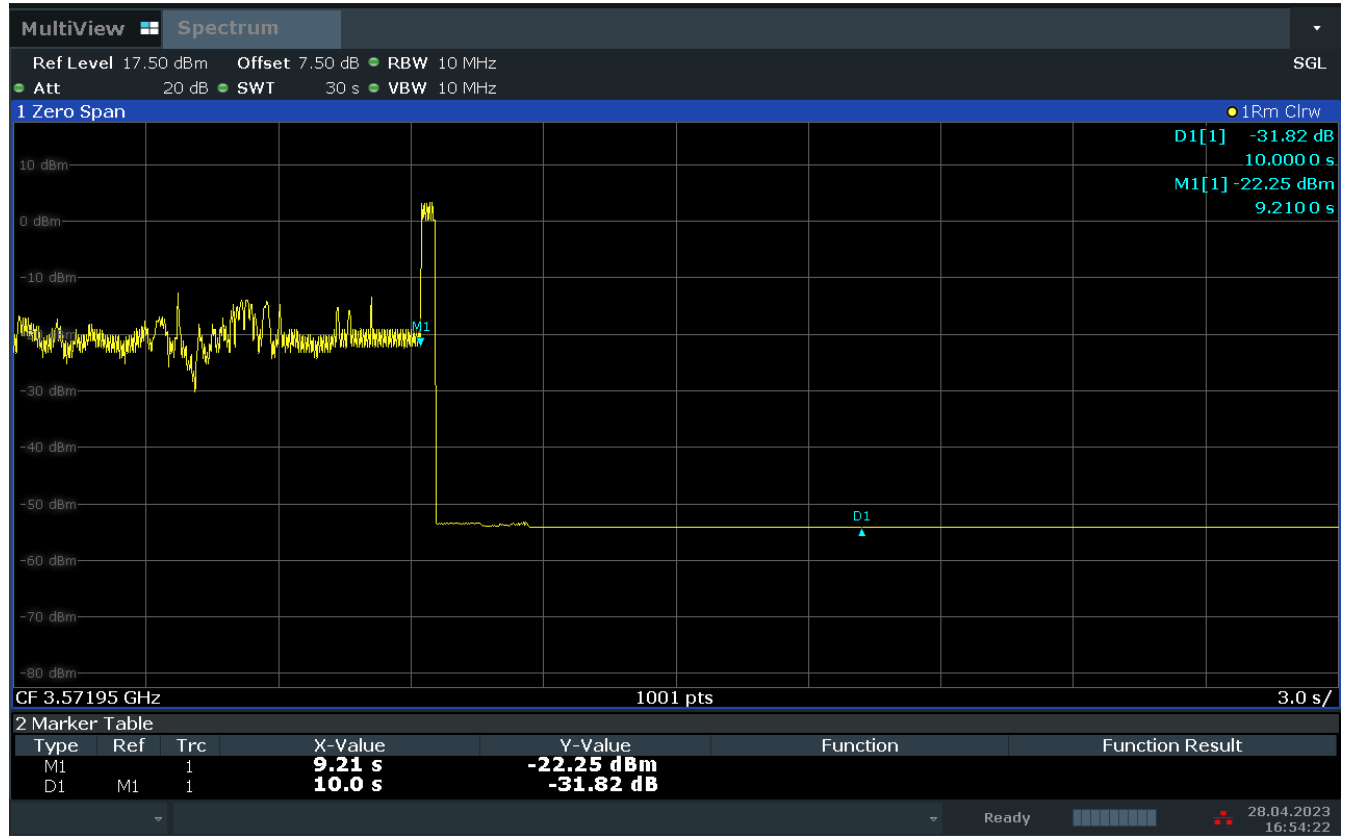
[Step 3] Check EUD Tx Frequency and power



16:45:31 28.04.2023



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

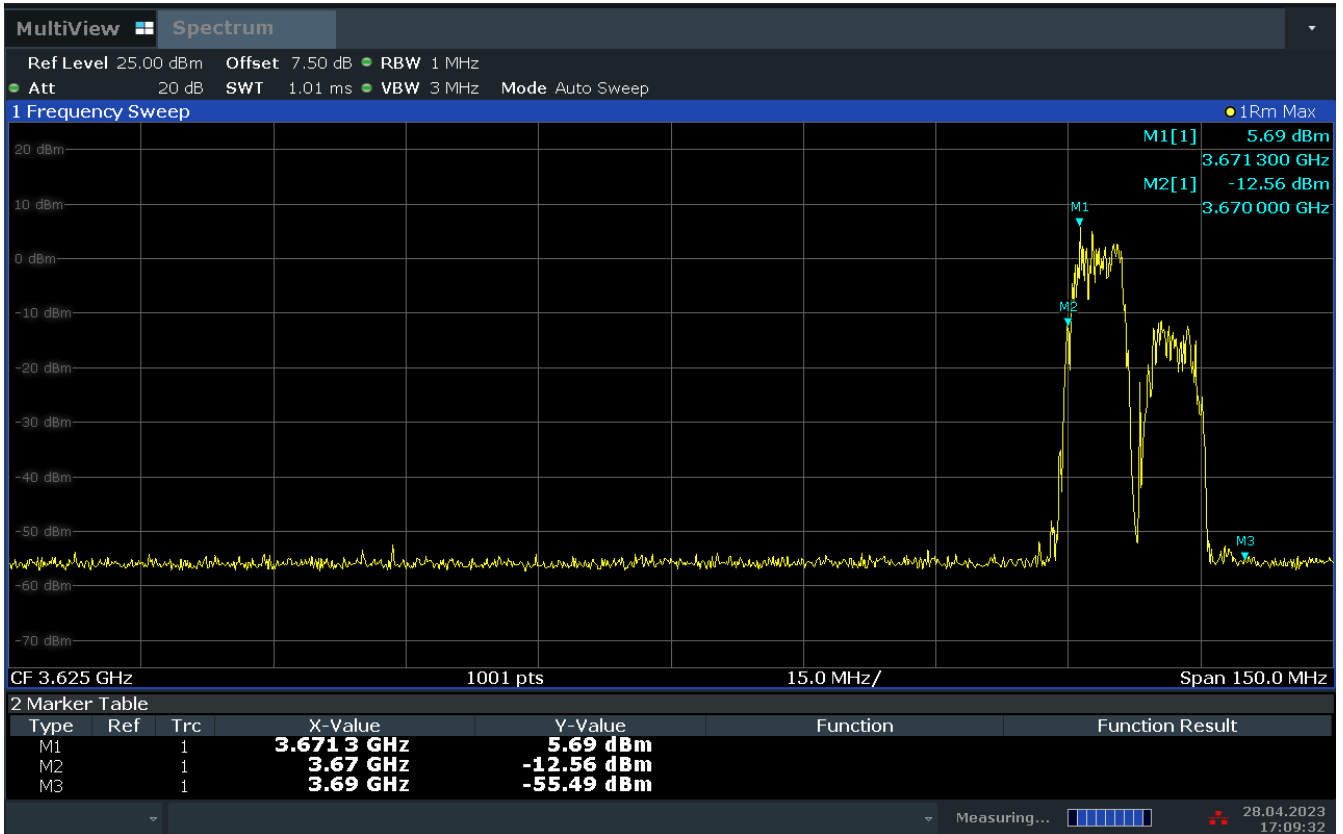


16:54:22 28.04.2023



[Step 5] Setup with 3670-3690MHz & power level 20dBm/MHz

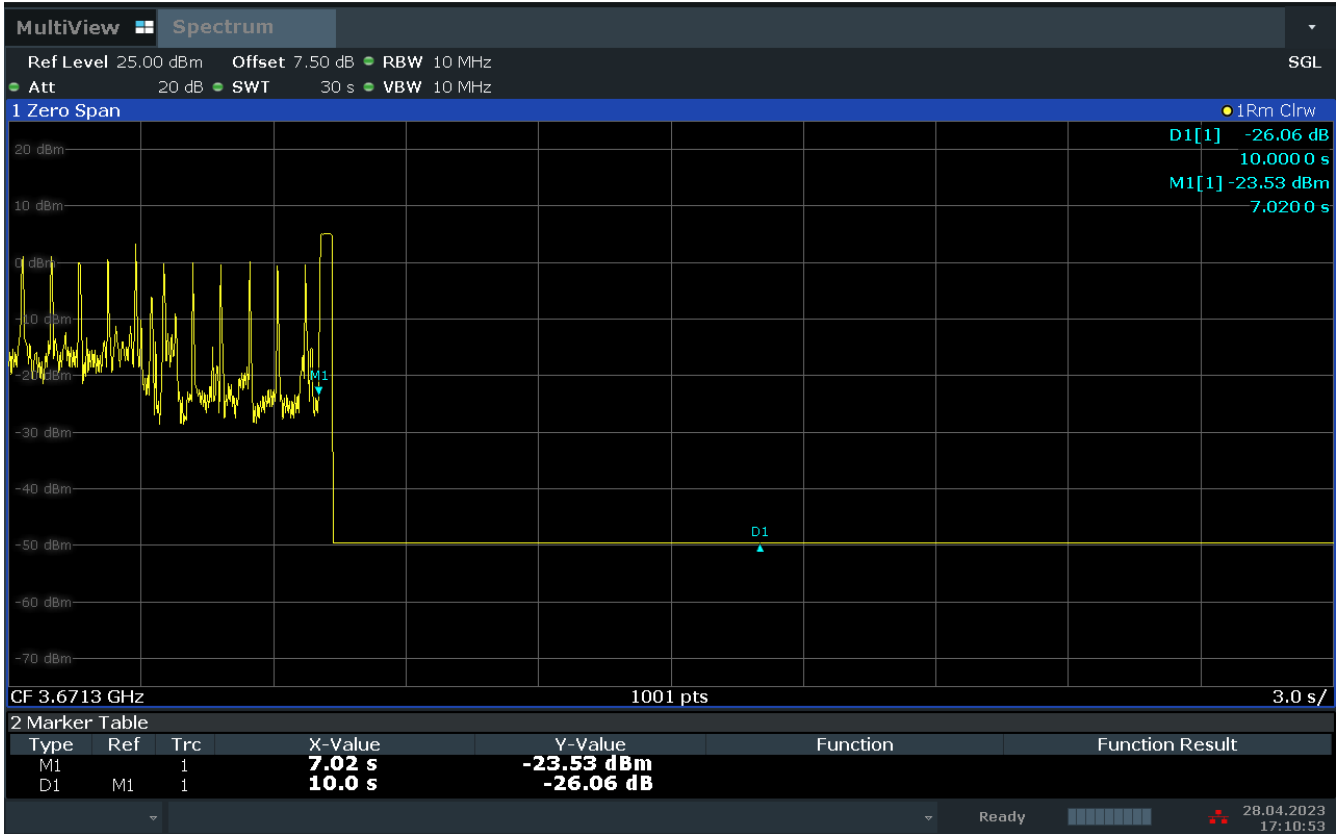
[Step 7] Check EUD Tx Frequency and power



17:09:33 28.04.2023



[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.



17:10:54 28.04.2023

3.3.2 5G NR n78

[Step 1] Configure SAS granted CBSD to operate at frequency 3570-3590MHz and power level 30 dBm/MHz

[Step 3] Check EUD Tx Frequency and power



17:32:25 28.04.2023



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

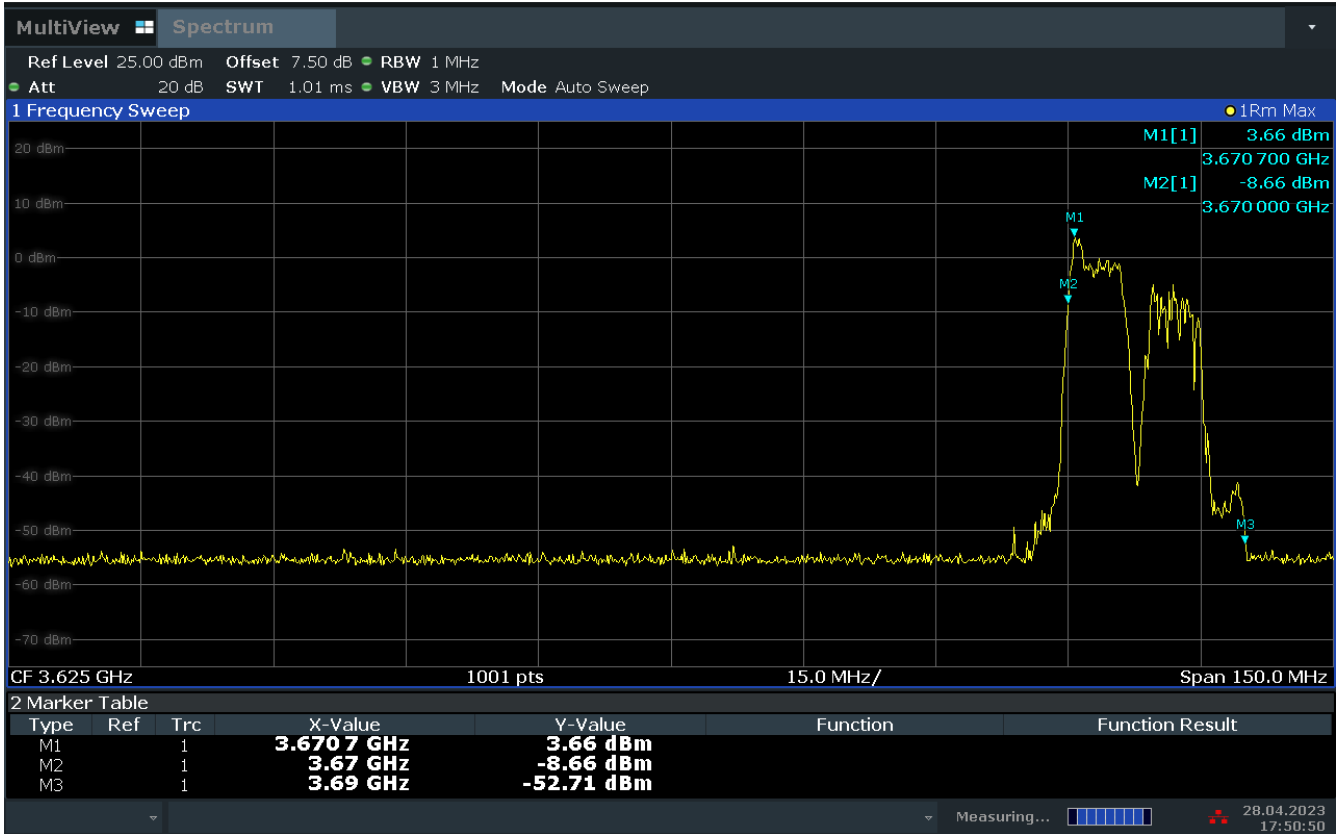


17:37:53 28.04.2023



[Step 1] Configure SAS granted CBSD to operate at frequency 3670-3690MHz and power level 20 dBm/MHz

[Step 7] Check EUD Tx Frequency and power



17:50:50 28.04.2023



[Step 8.a.] After changing the frequency and power level, The EUD discontinues operating, changes frequencies, or changes its operational power level within 10 seconds right after receiving instructions from its associated CBSD. Test result is a PASS.



17:53:48 28.04.2023



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSW43	104042	2Hz~43GHz	Dec. 11, 2022	Apr. 27, 2023~ Apr. 28, 2023	Dec. 10, 2023	Conducted (TH01-CA)
Combiner	MTJ	MTJ7204	SN1	2GHz~8GHz	NCR	Apr. 27, 2023~ Apr. 28, 2023	NCR	Conducted (TH01-CA)
Coupler	Woken	0110A05181O-10	SN2	0.5GHz~18GHz	NCR	Apr. 27, 2023~ Apr. 28, 2023	NCR	Conducted (TH01-CA)