

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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TEST REPORT

Application No.: SUCR2506000525IT
Applicant: Lenovo (Shanghai) Electronics Technology Co., Ltd.
Address of Applicant: Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone
Manufacturer: Lenovo PC HK Limited
Address of Manufacturer: 23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, China
EUT Description: Portable Tablet Computer
Model No.: TB710FU
Trade Mark: Lenovo
FCC ID: O57TB710FU
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
KDB 680106 D01 v04
Date of Receipt: June 5, 2025
Date of Test: June 25, 2025 to July 7, 2025
Date of Issue: July 22, 2025

Test Result :	PASS *
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* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Version

<i>Revision Record</i>			
<i>Version</i>	<i>Description</i>	<i>Date</i>	<i>Remark</i>
01	Original	July 22, 2025	/

Authorized for issue by:			
Tested By			
	_____ Hayley Zhang / Project Manager		
Approved By			
	_____ Cloud Peng/Technical Manager		



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1 General Information

1.1 Details of Client

Applicant:	Lenovo (Shanghai) Electronics Technology Co., Ltd.
Address of Applicant:	Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone
Manufacturer:	Lenovo PC HK Limited
Address of Manufacturer:	23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, China

1.2 Test Location

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone

All tests were Sub-contracted by:

Compliance Certification Services (Kunshan) Inc. (No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.), which is accredited by A2LA (2541.01).

Note:

- 1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
- 2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).
3. Sample source: sent by customer.

1.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

- **FCC –Designation Number: CN1312**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327

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1.4 General Description of EUT

Hardware Version:	TB710FU
Software Version:	Lenovo ZUI 17.0
Power Supply:	3.86V from battery
Operation Frequency:	111KHz to145KHz
Modulation Type:	ASK
Antenna Type:	Loop Antenna
<p>Remark: As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.</p>	

1.5 Test Environment

Environment Parameter	101 kPa Selected Values During Tests	
Relative Humidity	44-46 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22~23	3.86
<p>Remark: The extreme Voltage and extreme Temperature are refer to the test data of Frequency Stability.</p>		

1.6 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
*Pen	Lenovo	AP600U	/



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2 Equipment List

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Magnetic Amplitude and Gradient Probe System	SPEAG	MAGPy	KSES503103	2/22/2025	2/21/2026
Measurement Software	SPEAG	MAGPy V2.6.0	NA	NCR	NCR

Remark: NCR=No Calibration Requirement.

3 RF Exposure Test Results

Test Requirement:	47 CFR PART 1, Subpart I, Section 1.1310			
Measurement Distance:	0-20cm			
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30
<p>F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).</p>				

4 Photographs - Setup Photos



Side 1



Side 2



Side 3



Side 4



Top



Bottom

5 Appendix

Magnetic Field:

Operation Frequency	Test Position	Probe Measure Result (A/m)										Limits: (A/m)
		2cm	4cm	6cm	8cm	10cm	12cm	14cm	16cm	18cm	20cm	
117 kHz	Side 1	0.735	0.705	0.667	0.639	0.594	0.539	0.501	0.473	0.442	0.411	1.63
	Side 2	0.311	0.278	0.259	0.228	0.181	0.123	0.085	0.055	0.022	0.007	
	Side 3	0.482	0.450	0.421	0.390	0.343	0.285	0.245	0.215	0.181	0.153	
	Side 4	0.494	0.463	0.435	0.407	0.362	0.303	0.264	0.231	0.200	0.172	
	Top	0.828	0.797	0.771	0.738	0.689	0.634	0.591	0.554	0.522	0.490	
	Bottom	0.782	0.752	0.726	0.693	0.645	0.585	0.546	0.515	0.485	0.455	

Electric Field:

Operation Frequency	Test Position	Probe Measure Result (V/m)										Limits: (V/m)
		2cm	4cm	6cm	8cm	10cm	12cm	14cm	16cm	18cm	20cm	
117 kHz	Side 1	36.39	32.270	27.950	23.710	19.570	15.370	11.270	7.570	4.370	1.170	614
	Side 2	22.68	19.980	17.780	15.180	12.780	10.280	7.580	4.480	1.280	0.962	
	Side 3	29.82	25.720	22.110	18.900	15.720	12.600	9.360	6.250	3.140	2.084	
	Side 4	29.79	25.690	22.080	18.870	15.690	12.570	9.330	6.220	3.110	2.067	
	Top	38.93	34.810	30.190	25.920	21.740	17.540	13.440	9.740	6.540	3.340	

Remark: Refer to the MAGPy specification, the center of the probe to the outer edge is 18.5mm, so the minimum test distance can only reach 2cm.

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H-field strength at 0cm:

Validation:

To determine the H-field strength of 0cm, an extrapolation function by setting to probe tip in the software of MAGPy-8H3D+E3D probe.

The validation of the extrapolation is as follows:

Operation Frequency	Test Position	Test distance: (cm)	Estimated value: (A/m) (probe tip to EUT)	30% tolerance(A/m)		Measured value (A/m) (probe center to EUT)
				Min	Max	
117 kHz	Top	1.85	0.879	0.6153	1.1427	0.962
		3.85	0.809	0.5663	1.0517	0.938
		5.85	0.786	0.5502	1.0218	0.836

Remark:

1 According to KBD 680106 D01 V04, the validation is considered sufficient if a 30% agreement between the Estimated value and the (E-field and H-field) probe measurements is demonstrated.

2 Estimated value obtained from the tip function of the probe.

Operation Frequency	Test Distance (cm) (probe tip to EUT)	Test Position	Estimated Result (A/m)	Limits: (A/m)
117 kHz	0	Side 1	0.822	1.63
		Side 2	0.338	
		Side 3	0.572	
		Side 4	0.575	
		Top	0.936	
		Bottom	0.834	

---End of Report---