

TEST REPORT

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Report Number: 2504A03022E-RF
FCC ID: 2ASYE-T-DISPLAYS3

Test Standard (s)

47 CFR §2.1091

Sample Description

Product Name: T-Display-S3
Model No.: T-Display-S3 & Shell, T-Display-S3
Trade Mark: N/A
Received Date: 2025-12-29
Report Date: 2026-04-10

Test Result:	The EUT complied with the standards above.
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Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA, or any agency of the Federal Government. The information marked "#" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504A03022E-RF	Original Report	2026-04-10

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	T-Display-S3
Main Model	T-Display-S3 & Shell
Multiple Model	T-Display-S3
Model Difference [#]	Differences between the above models: model name and casing. The model T-Display-S3 & Shell comes with an enclosure and the model T-Display-S3 does not have a casing. Please refer to DOS letter for details.
Voltage Range [#]	DC 5V from USB port

Frequency Range	BLE: 2402-2480MHz 2.4G Wi-Fi: 2412-2472MHz
Maximum Conducted Output Power	BLE: 6.45 dBm 2.4G WiFi: 22.66 dBm
Antenna Specification [#]	PCB Antenna, Gain: -4.32dBi (It is provided by the applicant.)
Sample Serial Number	Model: T-Display-S3 & Shell (3FDW-2) Model: T-Display-S3 (3FXI-1) (Assigned by BACL, Shenzhen, Guangming)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts C, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC §2.1091 rules.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen, Guangming) to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA). The Certificate Number is 4297.01.

MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (Minutes)
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

f = frequency in MHz

* = Plane-wave equivalent power density

MPE Calculated Formulary:

- Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Calculated Result

Mode	Frequency (MHz)	Antenna Gain [#]		Tune up conducted power [#]		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
BLE	2402-2480	-4.32	0.37	6.5	4.47	20	0.0003	1.0
2.4G WiFi	2412-2472	-4.32	0.37	23	199.53	20	0.0147	1.0

Note 1: The tune-up power and antenna gain are declared by the applicant.

Note 2: The Bluetooth and WIFI can't transmission simultaneously.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliance

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504A03022E-RF EUT External Photos and Attachment No.2 2504A03022E-RF EUT Internal Photos.

***** END OF REPORT *****