

FCC RF EXPOSURE REPORT

For

Avinox Display DP100 Flat

MODEL NUMBER: DP100F

REPORT NUMBER: 4792046913-1-RF-3

FCC ID: 2BRME-DP100F25

ISSUE DATE: December 16, 2025

Prepared for

**SZ Avinox Innovation Co.,Ltd.
1509, Block A, Xichuang Technology Building , No. 7025 Liuxian Avenue, Xili
Community, Xili Subdistrict , Nanshan District, Shenzhen**

Prepared by

**UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch
Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan,
Guangdong, China**

Tel: +86 769 22038881

Fax: +86 769 33244054

Website: www.ul.com

Revision History

Rev.	Issue Date	Revisions	Revised By
V0	December 16, 2025	Initial Issue	

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	4
2. TEST METHODOLOGY	5
3. FACILITIES AND ACCREDITATION	5
4. REQUIREMENT	6

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: SZ Avinox Innovation Co.,Ltd.
Address: 1509, Block A, Xichuang Technology Building , No. 7025 Liuxian Avenue, Xili Community, Xili Subdistrict , Nanshan District, Shenzhen

Manufacturer Information

Company Name: SZ Avinox Innovation Co.,Ltd.
Address: 1509, Block A, Xichuang Technology Building , No. 7025 Liuxian Avenue, Xili Community, Xili Subdistrict , Nanshan District, Shenzhen

EUT Information

EUT Name: Avinox Display DP100 Flat
Model: DP100F
Sample Received Date: November 20, 2025
Sample Status: Normal
Sample ID: 9183836
Date of Tested: November 21, 2025 to December 1, 2025

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
447498 D04 Interim General RF Exposure Guidance v01	PASS

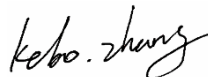
Prepared By:



Daniel Zhang

Project Engineer

Checked By:



Kebo Zhang

Operations Leader

Approved By:



Stephen Guo

Operations Manager

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 1 Subpart I, section 1.1307 and KDB 447498 D04 Interim General RF Exposure Guidance v01.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20192 and R-20202 Shielding Room B, the VCCI registration No. is C-20153 and T-20155
---------------------------	--

Note 1: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.

4. REQUIREMENT

LIMIT AND CALCULATION METHOD

According to 447498 D04 Interim General RF Exposure Guidance v01,

2.1.4 MPE-Based Exemption

An alternative to the SAR-based exemption is provided in § 1.1307(b)(3)(i)(C), for a much wider frequency range, from 300 kHz to 100 GHz, applicable for separation distances greater or equal to $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. The MPE-based test exemption condition is in terms of ERP, defined as the product of the maximum antenna gain and the delivered maximum time-averaged power.¹⁰ For this case, a RF source is an RF exempt device if its ERP (watts) is no more than a frequency-dependent value, as detailed tabular form in Appendix B. These limits have been derived based on the basic specifications on Maximum Permissible Exposure (MPE) considered for the FCC rules in § 1.1310(e)(1).

MPE-based Exemption

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

CALCULATED RESULTS**For Single RF Source**

Operation Band	Freq. (MHz)	Ant. Gain (dBi)	Tune-up Limit (dBm)	ERP (dBm)	Limit (mW)	Con.	ratio of AV Power value/limit
LTE Band2	1850	-7.11	25.00	15.74	3060	Pass	0.1033
LTE Band4	1710	-7.78	25.00	15.07	3060	Pass	0.1033
LTE Band5	824	-7.66	25.00	15.19	1680.96	Pass	0.1881
LTE Band7	2500	-1.51	25.00	21.34	3060	Pass	0.1033
LTE Band12	699	-4.72	25.00	18.13	1425.96	Pass	0.2218
LTE Band13	777	-5	25.00	17.85	1585.08	Pass	0.1995
LTE Band25	1850	-6.02	25.00	16.83	3060	Pass	0.1033
LTE Band26	814	-6.51	25.00	16.34	1660.56	Pass	0.1904
LTE Band38	2570	-2.03	25.00	20.82	3060	Pass	0.1033
LTE Band41	2496	-0.43	25.00	22.42	3060	Pass	0.1033
LTE Band66	1710	-7.89	25.00	14.96	3060	Pass	0.1033
BLE	2402	0.5	5.00	3.35	3060	Pass	0.0010
Ant+	2457	0.5	4.5	2.85	3060	Pass	0.0009

Note:

The tune-up limit comes from original report No.: 4792046913-1-RF-1/PD20230223RF02/FA2D1203

SIMULTANEOUS TRANSMISSION ANALYSIS

Types of simultaneous transmission are as: BLE+LTE and Ant++LTE

Worst simultaneous transmission calculation: BLE+LTE Band12=0.0010+0.2218=0.2228

Conclusion:

The maximum calculations of above situations are less than the limit (1.0), RF exposure is compliant.

END OF REPORT