



FCC RF EXPOSURE REPORT

For

iDISPLAY 10.1" DISPLAY

MODEL NUMBER: UIT410B-C11, UIT410X-XYX

FCC ID: 2AO9X-T410

REPORT NUMBER: 4789508589-4

ISSUE DATE: July 01, 2020

Prepared for

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Prepared by

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Outform Science & Technology (Shenzhen) Co., Ltd.
Address: Unit 3, 1st Floor, Huada Building, Gongye 3rd Road, Yanshan Community, Zhaoshang Subdistrict, Nanshan District, Shenzhen, China518067

Manufacturer Information

Company Name: Outform Science & Technology (Shenzhen) Co., Ltd.
Address: Unit 3, 1st Floor, Huada Building, Gongye 3rd Road, Yanshan Community, Zhaoshang Subdistrict, Nanshan District, Shenzhen, China518067

EUT Information

EUT Name: iDISPLAY 10.1" DISPLAY
Model: UIT410B-C11
Series Model: UIT410X-XYX
Model difference: Please refer to section 4 for the detail.
Sample Received Date: June 3, 2020
Sample Status: Normal
Sample ID: 3102161
Date of Tested: June 4~29, 2020

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	PASS
KDB-447498 D01 V06	

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p>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.</p> <p>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</p> <p>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 Industry Canada. The Company Number is 21320.</p> <p>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011) 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-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011</p>
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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. DESCRIPTION OF EUT

EUT Name:	iDISPLAY 10.1" DISPLAY
Model Name:	UIT410B-C11
Series Model:	UIT410X-XYX
Model difference:	<p>UIT410X-XYX have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction with UIT410B-C11. The difference lies only the model number and colors.</p> <p>UIT410X-XYX The 1st "X" is letter from "A" to "Z". Stands for different colors. The 2nd "X" is letter from "A" to "Z", Stands for product code "YY" is client numbers from "01" to "99"</p>
Rated Input	AC120V,60Hz



5. REQUIREMENT

LIMIT

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (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/150	30
1500-100,000	--	--	1.0	30
Note 1: f = frequency in MHz, * means Plane-wave equivalent power density				
Note 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.				
Note 3: The limit value 1.0mW/cm ² is available for this EUT.				

MPE CALCULATION METHOD

$$S = PG / (4\pi R^2)$$

where: 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

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



CALCULATED RESULTS

Radio Frequency Radiation Exposure Evaluation

BLE (Worst case)					
Operating Mode	Max. Tune up Power	Antenna Gain		Power density	Limit
	(dBm)	(dBi)	(num)	(mW/ cm ²)	
BLE	9	5.74	3.75	0.00593	1

WIFI 2.4G (Worst case)					
Operating Mode	Max. Tune up Power	Directional Gain		Power density	Limit
	(dBm)	(dBi)	(num)	(mW/ cm ²)	
802.11 g	12	5.74	3.75	0.0118	1

Note:

1. BT&WLAN 2.4G cannot transmit simultaneously. (declared by client)
2. The calculated distance is 20cm.

END OF REPORT