



FCC TEST REPORT

FCC ID: 2AWE4-CN370TXP01

Product	:	DIGITAL SIGNAGE
Model Name	:	CN370TXP01
Additional model	:	(see the series list)
Brand	:	N/A
Report No.	:	PTC19122502602E-FC02
Prepared for		
Suzhou Caina Electronics Technology Co., Ltd.		
No.588, San Xing Road ,Wujiang District,Suzhou City,Jiangsu Province,People's Republic Of China		
Prepared by		
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Report No.: PTC19122502602E-FC02

TEST RESULT CERTIFICATION

Applicant's name : Suzhou Caina Electronics Technology Co., Ltd.

Address : No.588, San Xing Road ,Wujiang District,Suzhou City,Jiangsu Province,People's Republic Of China

Manufacture's name : Suzhou Caina Electronics Technology Co., Ltd.

Address : No.588, San Xing Road ,Wujiang District,Suzhou City,Jiangsu Province,People's Republic Of China

Product name : DIGITAL SIGNAGE

Model name : CN370TXP01

Additional model : (see the series list)

Standards : NOTE:(The model names are different. Others are the same)

Test procedure : KDB 447498 D01 General RF Exposure Guidance v05

Test Date : Feb 27, 2020 to May 29, 2020

Date of Issue : May 29, 2020

Test Result : Pass

This device described above has been tested by PTS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

Leo Yang / Engineer

Technical Manager:

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Report No.: PTC19122502602E-FC02

2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	DIGITAL SIGNAGE
Model Name	:	CN370TXP01
Additional model	:	(see the series list)
Model Description	:	(The model names are different. Others are the same)
Bluetooth Version	:	N/A
Specification	:	802.11b/g/n HT20/40
Number of Channel	:	11 channels for 802.11b/g; n(HT20) 7 channels for 802.11n(HT40);
Operating frequency	:	2412-2462MHz for 802.11b/g; n(HT20) 2422-2452MHz for 802.11n(HT40);
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Antenna installation:	:	Cylindrical antenna
Antenna Gain:	:	0 dbi
Power supply	:	AC 120V/60Hz
Adapter	:	Input:100-240V~, 50-60Hz ;

3.2 Model list:

CN088TXP01-V01、CN088TXP01-V02、CN088TXP01-V03、CN088TXP02-V01、CN088TXP02-V02、CN088TXP02-V03、CN088TXP03-V01、CN088TXP03-V02、CN088TXP03-V03、CN190TXP01-V01、CN190TXP01-V02、CN190TXP01-V03、CN190TXP02-V01、CN190TXP02-V02、CN190TXP02-V03、CN190TXP03-V01、CN190TXP03-V02、CN190TXP03-V03、CN210TXP01-V01、CN210TXP01-V02、CN210TXP01-V03、CN210TXP02-V01、CN210TXP02-V02、CN210TXP02-V03、CN210TXP03-V01、CN210TXP03-V02、CN210TXP03-V03、CN231TXP01-V01、CN231TXP01-V02、CN231TXP01-V03、CN231TXP02-V01、CN231TXP02-V02、CN231TXP02-V03、CN231TXP03-V01、CN231TXP03-V02、CN231TXP03-V03、CN235TXP01-V01、CN235TXP01-V02、CN235TXP01-V03、CN235TXP02-V01、CN235TXP02-V02、CN235TXP02-V03、CN235TXP03-V01、CN235TXP03-V02、CN235TXP03-V03、CN240TXP01-V01、CN240TXP01-V02、CN240TXP01-V03、CN240TXP02-V01、CN240TXP02-V02、CN240TXP02-V03、CN240TXP03-V01、CN240TXP03-V02、CN240TXP03-V03、CN280TXP01-V01、CN280TXP01-V02、CN280TXP01-V03、CN280TXP02-V01、CN280TXP02-V02、CN280TXP02-V03、CN280TXP03-V01、CN280TXP03-V02、CN280TXP03-V03、CN290TXP01-V01、CN290TXP01-V02、CN290TXP01-V03、CN290TXP02-V01、CN290TXP02-V02、CN290TXP02-V03、CN290TXP03-V01、



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CN260FXP01-V01, CN260FXP01-V02, CN260FXP01-V03, CN260FXP02-V01, CN260FXP02-V02,
CN260FXP02-V03, CN260FXP03-V01, CN260FXP03-V02, CN260FXP03-V03, CN332FXP01-V01,
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CN750PID01-V03, CN750PID02-V01, CN750PID02-V02, CN750PID02-V03, CN750PID03-V01,
CN750PID03-V02, CN750PID03-V03



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$P_d = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Result
WIFI	1	18.52	71.12	0.0141	1	Pass

*****THE END REPORT*****