EPD-230/232
2022H2 Patch Test Report

Initiated by	Luke Chang	Approved by	Shane GH

Revision History：

Date	Revision	Description	Creator
2022/11/09	V1.0	iDesign Number: 2442-097 To validate 2022 H2 patch for low battery ICON and Q4 ADC define. EPD-230 FW: V1015 EPD-232 FW: V1011 WISE-3240: 3240S01_0116_2022H2_Patch(WIFI Off) ARK:U1804.1905	Luke Chang
2022/11/24	V1.1	Add S/N by PM request	Luke Chang

Test Results Definition：

Criteria	Definition
PASS	Test result pass and function work perfectly.
Fail	Test fail or can not meet the spec requirement.
Limitation	There are no plans to fix this erratum.
N/A	Spec not support or driver not ready.
Check Next Version	HW modified circuit and solution 3erified, and check the function result has pass. Need to check next version.

Test Results Summary：

Num.	Test Item	Result	Remark
1.	**ePaper Manager Function**		
1.01	ePaper Manager function test	**PASS**	
2.	**WISE-3240**		
2.01	Firmware upgrade	**PASS**	
2.02	Config ePaper Manager	**PASS**	

Table of Contents

System Configuration：

Item.	Version	File Name	Description.
OS	Ubunto 18.04	EPD_ARK1123HA2_U1804_1905	
ePaper Manager	1905	Image build-in	
EPD Portal	1.11.4	ePaper Manager build-in	
EPD Hub	2.1.2	ePaper Manager build-in	
WISE-3240	3240S00OIV0118	3240S00OIV0118.bin	2080010497
	3240S01OIV0118	3240S01OIV0118.bin	2080010489
WISE-1840	1840S00TMV1005	1840-v1.0.5.0-1804d6ac9d80ec091111270ea8cb8fb6.zip	2080010432
EPD-230	EPD023BS00TMV1015	EPD023BS00TMV1015.bin	2080010490
EPD-232	EPD023RS00TMV1011	EPD023RS00TMV1011.bin	2080010492

Test Equiptment：

Item.	Description.
ARK-1123H A2	
WISE-3240	
EPD-230/232	

1. ePaper Manager Function

1.01 ePaper Manager function test

1.01.01 EPD Controller

1.01.01.01 Test Purpose：

This test ensures that the functions provided in EPD server Web interfaces are working as designed.

1.01.01.02 Test Tool or Equipment:

1. ARK-1123H A2 as ePaper Manager server
2. WISE-3240 as EPD Router
3. EPD-230/232 as EPD device

1.01.01.03 Testing Configuration:

1. Test environment: Room temperature

1.01.01.04 Test Procedure:

1. Test all the available web GUI functions in the EPD Controller category.

1.01.01.05 Test Result:

Item	Sub Item	Funcitons	Result	Remark
EPD	Monitors	Monitor Tag RSSI/Battery/Voltage information	**PASS**	
Controller	EPD Status check	Check EPD low battery icon	**PASS**	

2. WISE-3240

2.01 Firmware upgrade

2.01.01.01 Test Purpose：

To verify the firmware can be upgrade via web interface

2.01.01.02 Test Tool or Equipment:

1. ARK-1123H A2 as ePaper Manager server
2. WISE-3240 as EPD Router
3. EPD-230/232 as EPD device

2.01.01.03 Testing Configuration:

1. Test environment: Room temperature

2.01.01.04 Test Procedure:

1. Use "System" > "Backup/Flash Firmware" > "Generate archive" to create setting backup file
2. Use "System" > "Backup/Flash Firmware" > "Flash Image" to upgrade firmware
3. Reset to default
4. Restore settings archive settings

2.01.01.05 Test Result:

Item	Criteria	Result	Remark
Upgrade	Firmware can be upgraded, and settings are not changed (click "Keep Settings"). 1. Web login password 2. EPD Router setting(WISE-3240) 3. EPD Connection Setting(WISE-3240) Not click "Keep Settings" all setting will reset to default.	**PASS**	
Reset to default	All setting are reset to default	**PASS**	
Backup / Restore	All setting can be restored from backup file.	**PASS**	
Reset	Restore the keyin data to the originally stored data	**PASS**	

2.02   Config WISE-3240

2.02.01.01 Test Purpose：

Verify the settings in ePaper Manager.

2.02.01.02 Test Tool or Equipment:

1.   ARK-1123H A2 as ePaper Manager server
2.   WISE-3240 as EPD Router
3.   EPD-230/232 as EPD device

2.02.01.03 Testing Configuration:

1. Test environment: Room temperature

2.02.01.04 Test Procedure:

1.   Check the hostname / port / Device Name in ePaper Manager.
2.   Modify the settings.

2.02.01.05 Test Result:

Item	Criteria	Result	Remark
Configuration	Can config Host name / EPD Router Setting	**PASS**	
	After reset, the data is keeped without change	**PASS**	
	Reset to default, the setting is back to default	**PASS**	