

Hardware Unit Test Report

Power consumption Test of Android TV version

Hardware version	FW version	Sample No.	eMMC Flash P/N
V115	BFX-UA300-userdebug 10 QT 19.524.15-20210504 release key version	S/N: TBD DVT2 board	DDR: 1. K4A8G165WC- BCTD 2. K4A4G165WF- BCTD eMMC: KLM8G1GETF- B041

1. Test Setup

Equipment:

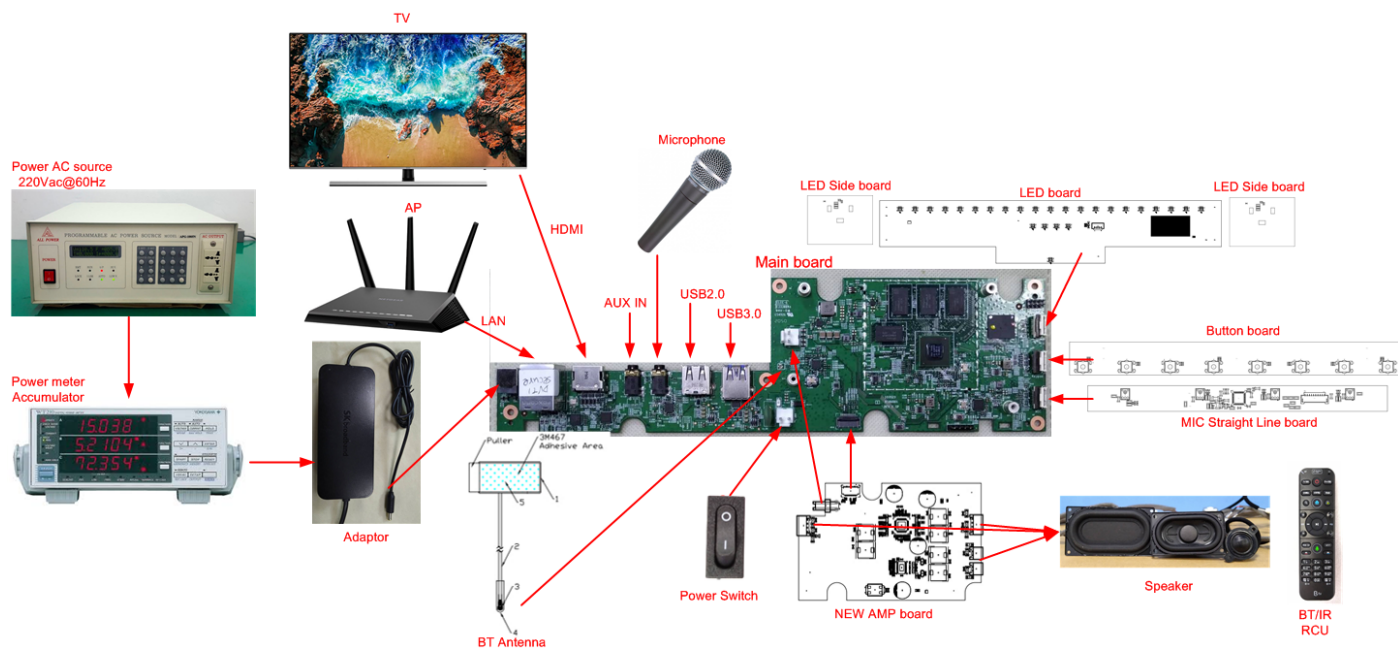
1. BFX-UA300 DVT2 board V115.
2. AC POWER: APG-1005N: 220Vac @60Hz
3. AC Adapter: LA-A271KS 24V/4A 24V/4A
4. 4K TV: ENVISION P2271WHL
5. Power meter with accumulator: Yokogawa WT210
6. Current probe: TCPA300
7. NETGEAR R7000 1Gbps

Test Environment:

1. Test place: FXN CNSBG Building 1F office
2. Test DUT name: BFX-UA300 DVT2 V115 board
3. Test environment condition: temperature: 25 deg-C, humidity: 65
4. Test date: 2021/05/05
5. Test result: See section 3 for test results.
6. Test setup picture (block diagram and real test environment picture)

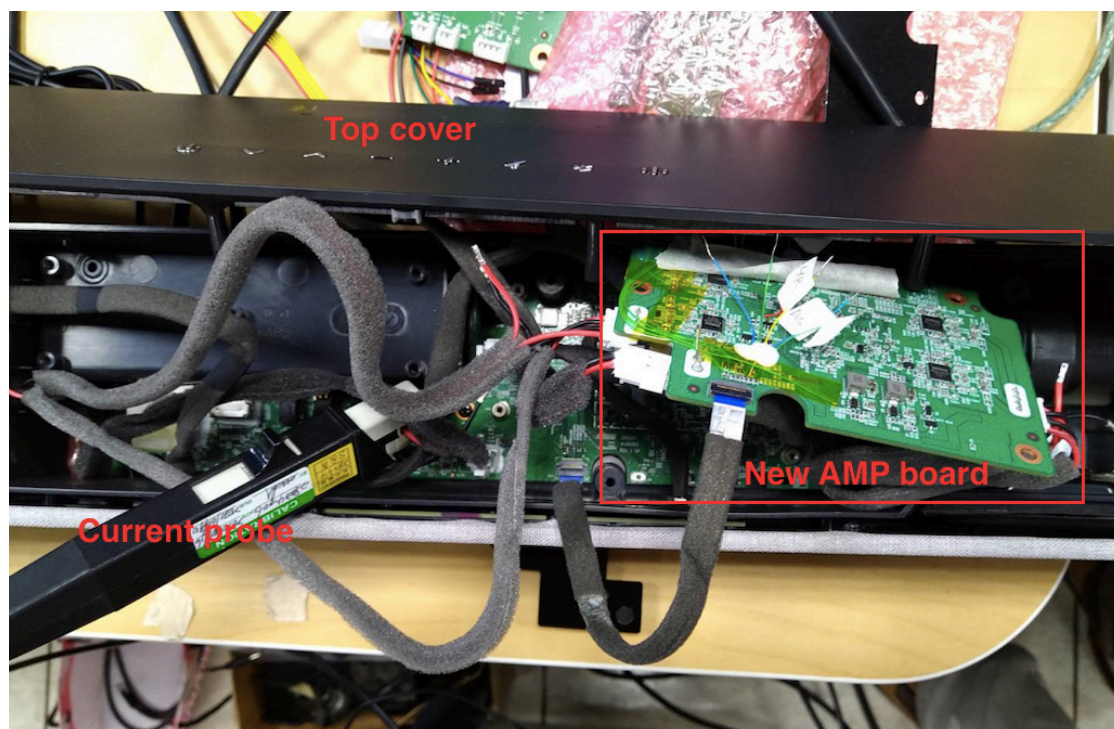
BFX-UA300 V115 Hardware unit test report

Block Diagram:



Test setup picture:





2. Test Items and Condition

1. Active standby mode

1. DUT power on
2. Press RCU power on/off key to off the TV.
3. Accumulating for 1 hour and record the power consumption result.

3. Test Result

DVT build power consumption:

3.1 Active standby mode [Adaptor: LA-A271KS 24V/4A]

Test Results of power consumption: F/W version: 19.524.15-20210504 (LAN: 1000M bps)			
Item No.	AC port BFX-UA300 DVT Board V115	DC port BFX-UA300 DVT Board V115	Remark
Active standby mode*	220Vac/0.0805A@60Hz, 8.9117W	23.2Vdc/0.2922A, 6.77904W	

Note:

*: Active standby mode includes power down function by RCU power on/off key. The test is after 10 minutes when DUT enters active standby mode.

Wake-up time: 8.44s(press RCU power button)