

BFX-UA300 DVT3 RCU Performance Test Result

Project	<i>BFX-UA300</i>
Date	<i>2021/9/2</i>
Revision	

Contents

1 Document Control 3

1.1 Document Information 3

1.2 Document Revision History 3

2 Introduction..... 4

2.1 Scope 4

2.2 Related Documents 4

2.3 Equipment list..... 4

3 Test Results 5

3.1 Bluetooth Sensitivity Test 5

1 Document Control

1.1 Document Information

For approval by:	Position	Name
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Distribution/Access:	Internal and External	
Filename(s):	SKB SWAN BFX-UA300_DVT3_RCU Test Report_210902.doc	

1.2 Document Revision History

Version	Date	Author	Comments
A1	2021/3/5	Catherine Chen	
A2	2021/9/2	Tom Lee	

2 Introduction

The purpose of this document is to ensure that results obtained from testing the product to the Acceptance Test Procedure (ATP) are captured along with all other relevant information such as software versions and equipment lists etc. This can then be used to show compliance to the Product Requirement Specification.

2.1 Scope

This procedure should only be used for STB products and variants thereof, as the requirements are specific as declared in the Product SPEC.

2.2 Related Documents

UUT data

Date Test Completed	2021/9/2
Name of Eng./Tech. Performing Tests; Org/Dept	Tom Lee
Model Name	BFX-UA300

2.3 Equipment list

Item Number	Description
1	BFX-UA300 4K Soundbar DUT
2	BT Remote Controller (BMM-BA02)
3	Monitor w/ HDMI port
4	AAA battery 2x

3 Test Results

3.1 Bluetooth Sensitivity Test

- Test Step

1. Test location : office
Test environment setting : Box and RCU distance at least keep 15m
2. Box horizontal and vertical deflection at 0° , $\pm 30^\circ$, $\pm 45^\circ$...
3. Measure RCU each function key can work 0° , $\pm 30^\circ$, $\pm 45^\circ$...
4. Repeat step 2,3 and test all degree for IR RCU
5. Pairing RCU with BFX-UA300 and remove IR receiver from LED board
6. Box horizontal and vertical deflection at 0° , $\pm 30^\circ$, $\pm 45^\circ$...
7. Measure RCU each function key can work 0° , $\pm 30^\circ$, $\pm 45^\circ$...
8. Repeat step 2,3 and test all degree for BT RCU

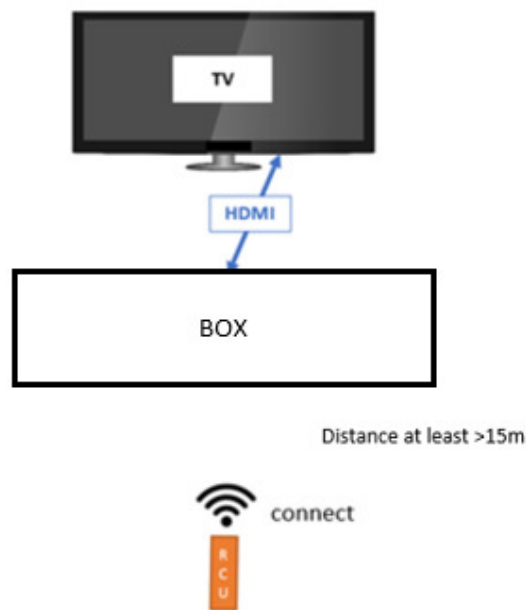


Figure 5. Test diagram

● Test Result

Table 8. User Environment Test Result for IR RCU

Measurement Positions	Distance	Actual Test Distance	Result	RCU key function
Nearby	> 20cm	> 50cm	PASS	Functional key: Power on/off Change channel key TV key Home key Up/Down/Left/Right/OK key Back key Menu key Vol. Up/Down key
Front (0°)	> 15m	> 17m	PASS	
Horizontal Deflection (+30°)			PASS	
Horizontal Deflection (-30°)			PASS	
Horizontal Deflection (+45°)			PASS	
Horizontal Deflection (-45°)			PASS	
Vertical Deflection (+30°)			PASS	
Vertical Deflection (-30°)			PASS	

Table 9. User Environment Test Result for BT RCU

Measurement Positions	Distance	Actual Test Distance	Result	RCU key function
Nearby	> 20cm	> 50cm	PASS	Functional key: Power on/off Change channel key TV key Home key Up/Down/Left/Right/OK key Back key Menu key Vol. Up/Down key
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Horizontal Deflection (+45°)			PASS	
Horizontal Deflection (-45°)			PASS	
Vertical Deflection (+30°)			PASS	
Vertical Deflection (-30°)			PASS	