

Eagle

ABS resin IR test method

Model Name: BFX-AT100

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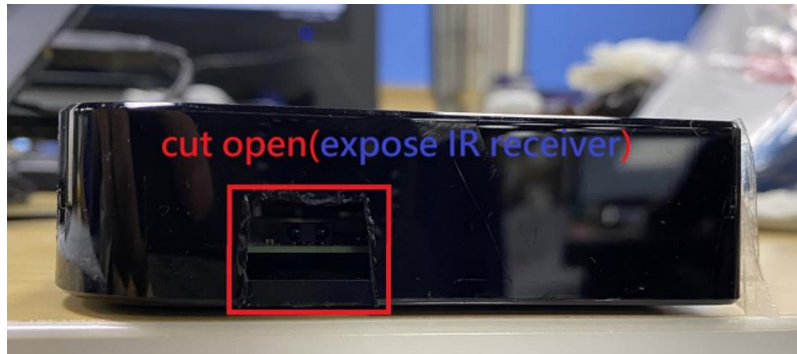
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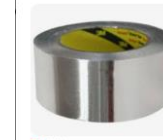
ABS resin IR test method

- 1. Cut the IR receiver area.



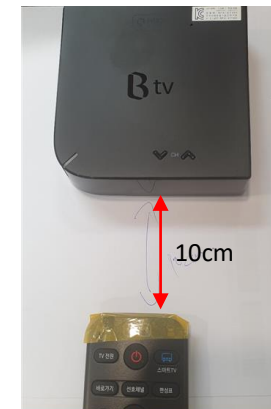
- 2. Apply the masking tape : all side except cutted IR area

- To evaluate the transmittance of ABS, all side must be masked. Because, current PC housing is all side IR transparent
- Masking tape must be not IR transparent. i.g. aluminum tape



- Please refer to the Masking area next page. This masking tape is just reference.
- How to check not IR transparent.

- Mask the RCU IR window. Check IR transparent or not : I.g. image is IR transparent. IR LED should be blocked.
- Check with STB. IR signal is working or not. : RCU and STB distance 10cm.



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- 2. Apply the mask tape : all side except cutted IR area



IR Area, OPEN



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- Test criteria is confirmed.
 - Please add maximum IR receiving distance at 0 degree.
 - PC and ABS : with desk lamp and without desk lamp.

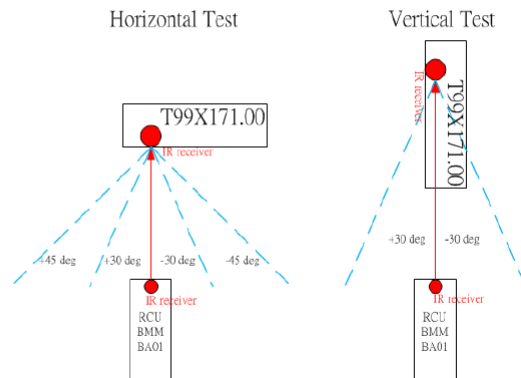
Criteria:

DUT MUST be able to receive and acknowledge commands transmitted by the Remote Control

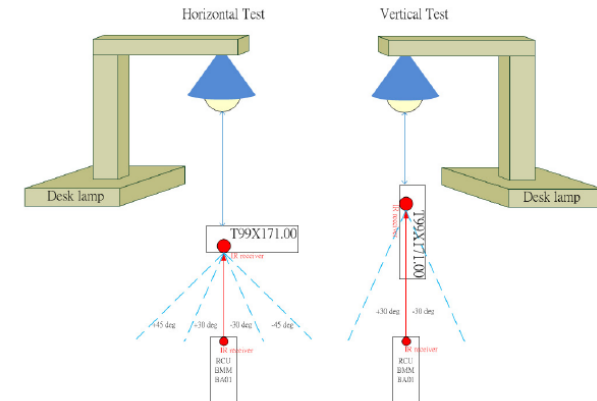
at a distance of 10M in 0 deg/30 deg and 7M in 45 deg

Environment setup:

Test w/o desk lamp



Test w/ desk lamp



1. Specification Analysis

1.1 Horizontal Deflection

	Azimuth: +45°	Azimuth: +30°	Azimuth: 0°	Azimuth: -30°	Azimuth: -45°
Available Receiver Distance (meter)	>7M	>10M	>10M	>10M	>7M

1.2 Vertical Deflection

	Elevation +30°	Elevation 0°	Elevation -30°
Available Receiver Distance (meter)	>10M	>10M	>10M

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Thank you.

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