

WA-P-LA-03-034 Specification

1. Explanation of part number :

WA - P - LA - 03 - 034
(1) (2) (3) (4) (5)

(1) Antenna Type: PIFA

(2) Material: PCB +CABLE

(3) Frequency : 2.4-2.5GHZ

(4) Coaxial Cable Type : Gray Cable Type

(5) Suffix : 034

2. Electrical Specification :

*Those specifications were specially defined for Harman JBL ONBEAT AIR WIFI model
all characteristics were measured under the model's handset testing jig .*

2-1. Frequency Band:

Frequency Band	MHz
WIFI	2400-2500

2-2. Impedance

50 ohm nominal

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±
ANGLES=± HOLEDIA=±



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INPAQ TECHNOLOGY CO., LTD.

SCALE :

UNIT : mm

DRAWN BY : 李玉平

CHECKED BY : 杨开月

DESIGNED BY : 易珂湘

APPROVED BY : 杨开月

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2-3. VSWR

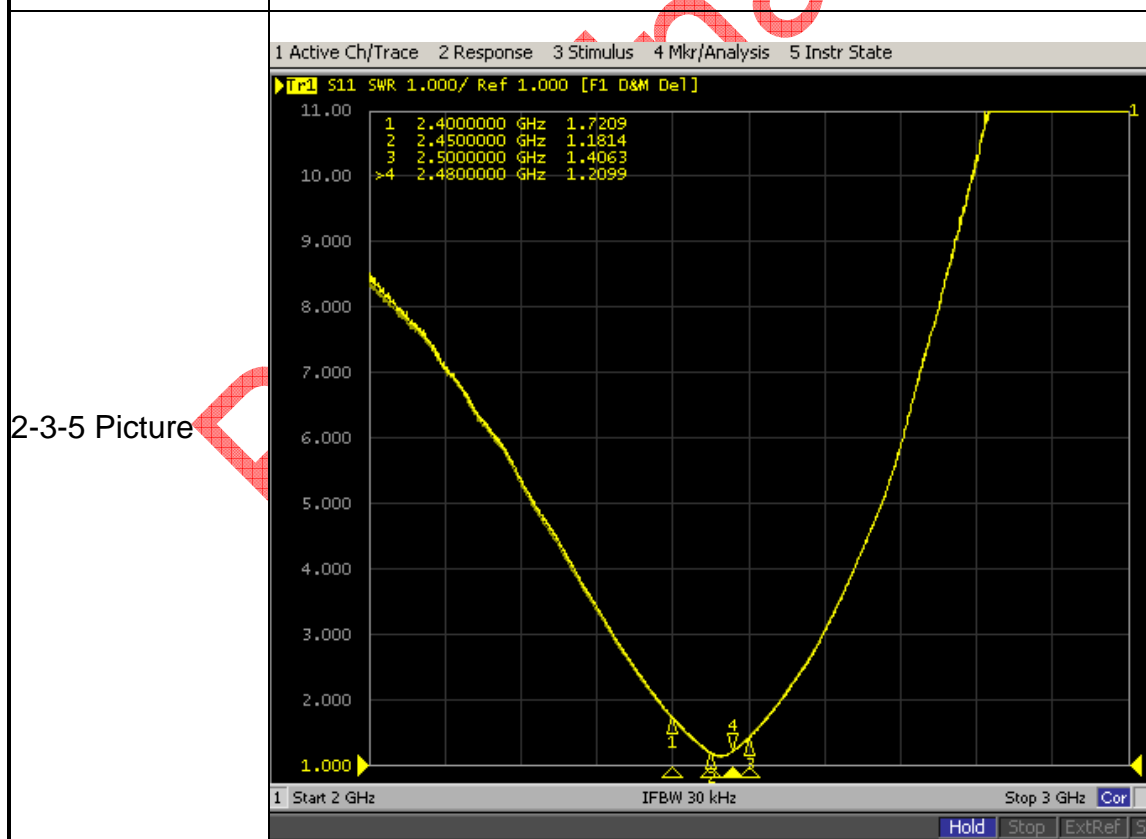
2-3-1.Measurement frequency points and VSWR value

Frequency (Unit MHz)	2400	2450	2500
VSWR	1.72	1.18	1.40

2-3-2. VSWR

Frequency Band(MHz)	2400	2450	2500
2-3-3. Typical Value:	≤ 2.0	≤ 1.7	≤ 2.0

2-3-4 Measuring Method	<ol style="list-style-type: none"> 1. A 50Ω coaxial cable is connected to the PCB. Then this cable is connected to a network analyzer to measure the VSWR. 2. Keeping this jig away from metal at least 20 cm
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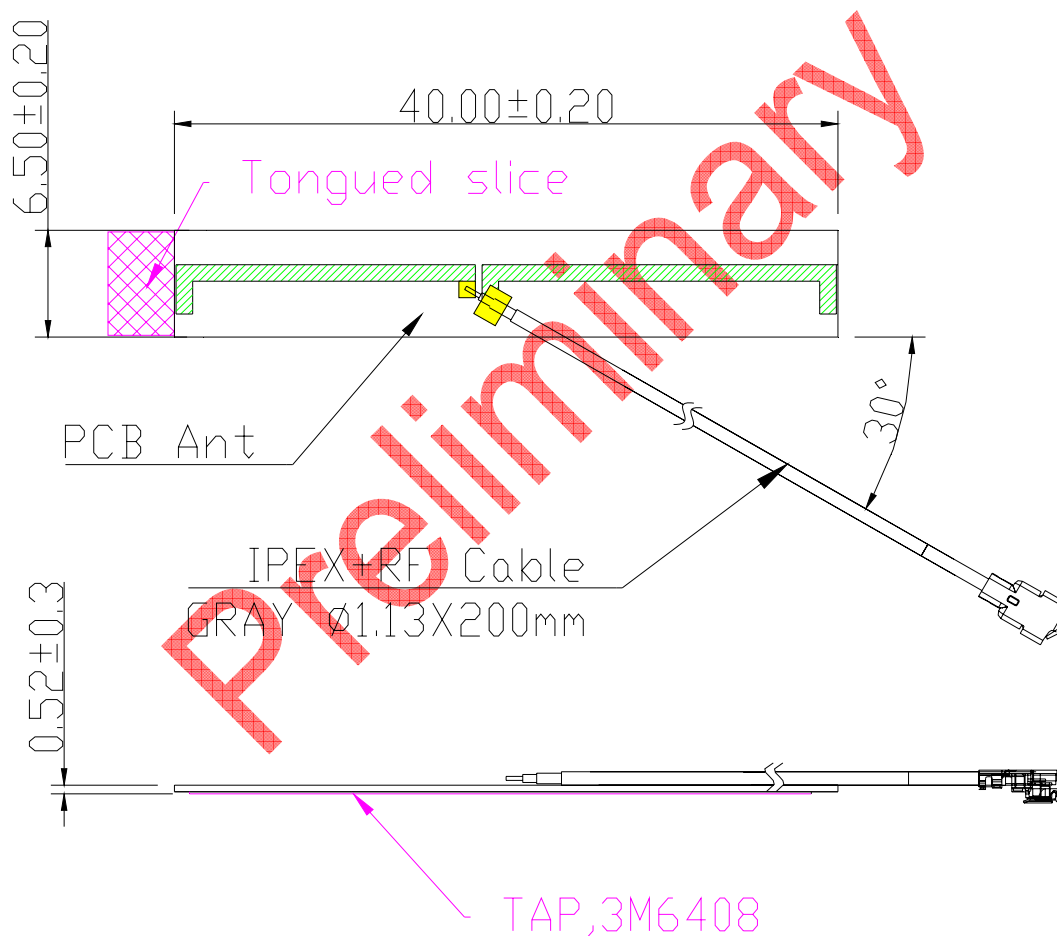
2-4-1 Efficiency and Gain

Frequency	Efficiency (%)	Average GAIN(dB)	Peak GAIN (dBi)
2400	56.7	-2.46	3.59
2450	52.9	-2.77	3.54
2500	58.79	-2.31	4.19

3. Mechanical Specification:

3-1. Mechanical Configuration (Unit: mm)

The appearance of the antenna is according to drawing Figure 3-1-1



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