

FCC ID: **YZZGXP2140**

TO: Federal Communication Commission

Please be notified that we, the undersigned, Grandstream Networks, INC. use two different main board for this device, V1.4A and V1.5A, and differences are listed in below:

1. Two mainboard hardware version, GXP2140 V1.4A and GXP2140 V1.5A.
2. Different component layout and PCB layout (for V1.4A, plz see arrow 3 and 4 of mainboard photo view, for V1.5A, plz see arrow 1 and 2 of mainboard photo view).

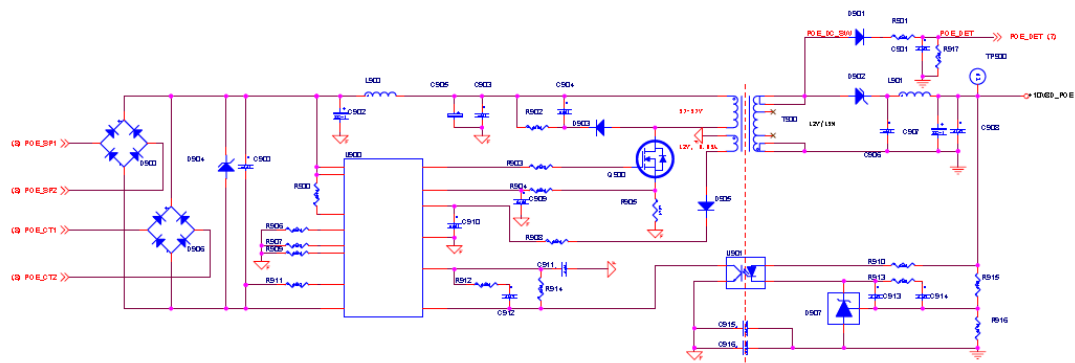
The differences of two mainboards do not relate to RF transmitter circuit part, the RF transmitter circuit and components of the two mainboard are electrically identical .

Schematic differences as below:

1. The GXP2140_V1.5A schematic only change the POE circuit. We add the RC filtering circuit (see arrow A,B,C,D) for improve power ripple and EMI.

Bom differences as below:

1. Add R918 100-ohm, C918 330Pf /200V for improve EMI (See arrow A)
2. Add an optional circuit. R919 33(DNI) C922 1000Pf/50V(DNI) (See arrow B)
3. Add B900 600-ohm Bead , C919 100Nf/16V for improve power ripple. (See arrow C)
4. Add C920 1000Pf/2kv(DNI) , C921 1000Pf/2kv , C915 1000Pf/2kv(DNI) for improve EMI (See arrow D)



The image shows a green PCB with various electronic components. A red box on the left side highlights a small component labeled '3'. A white label in the center reads 'P/N 801-00296-14'. Other components labeled include 'Tnk 1330 TSA021', 'DSP', 'SAMSUNG', and 'OK13'.

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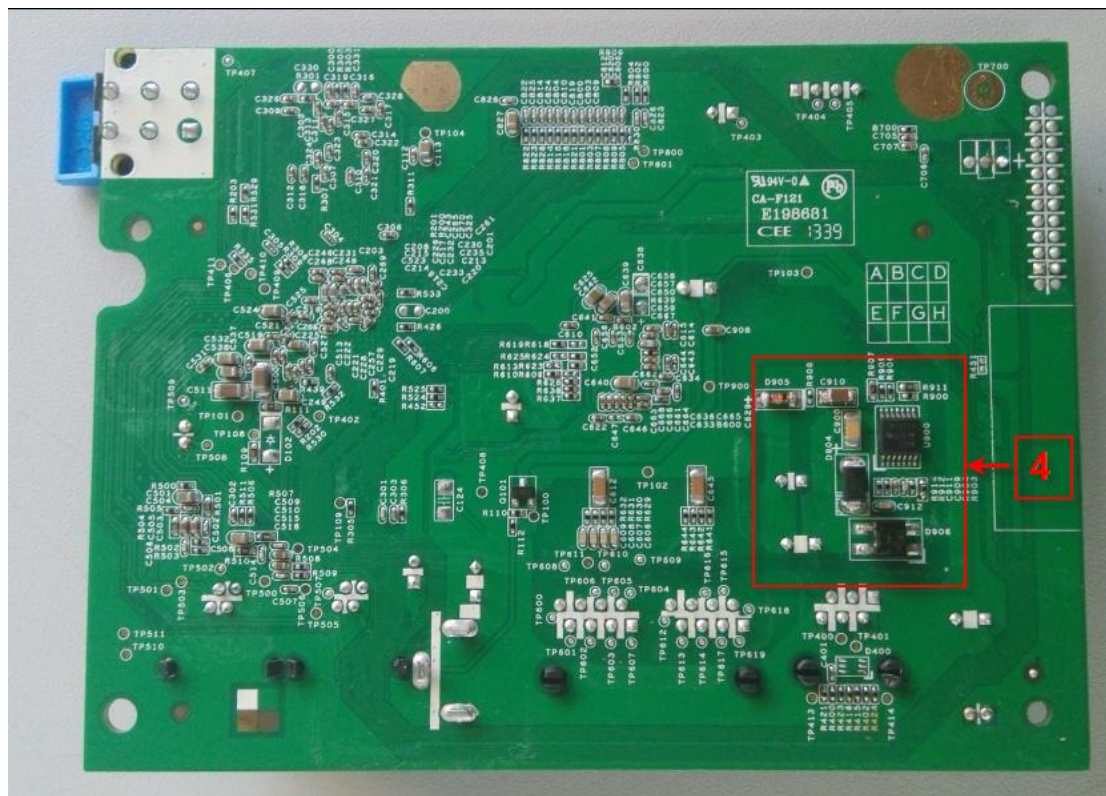
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Technology Park, Shenzhen, China

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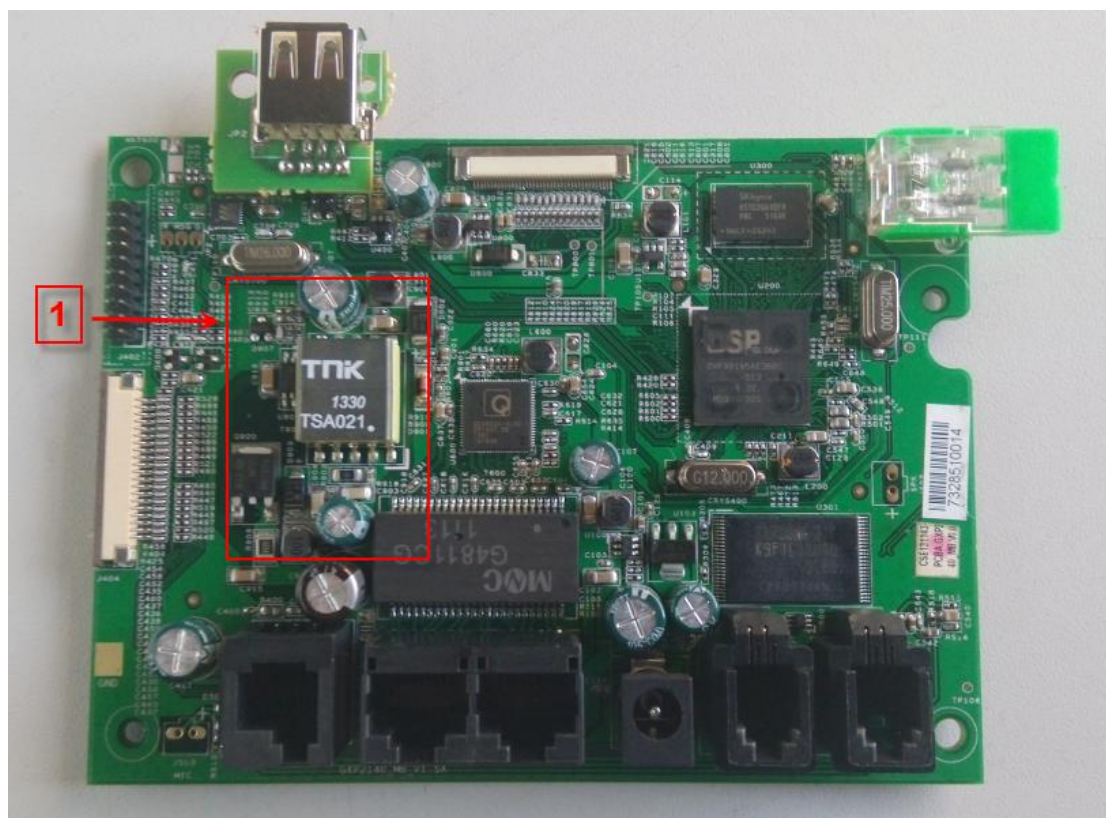
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V1.5A mainboard photo view



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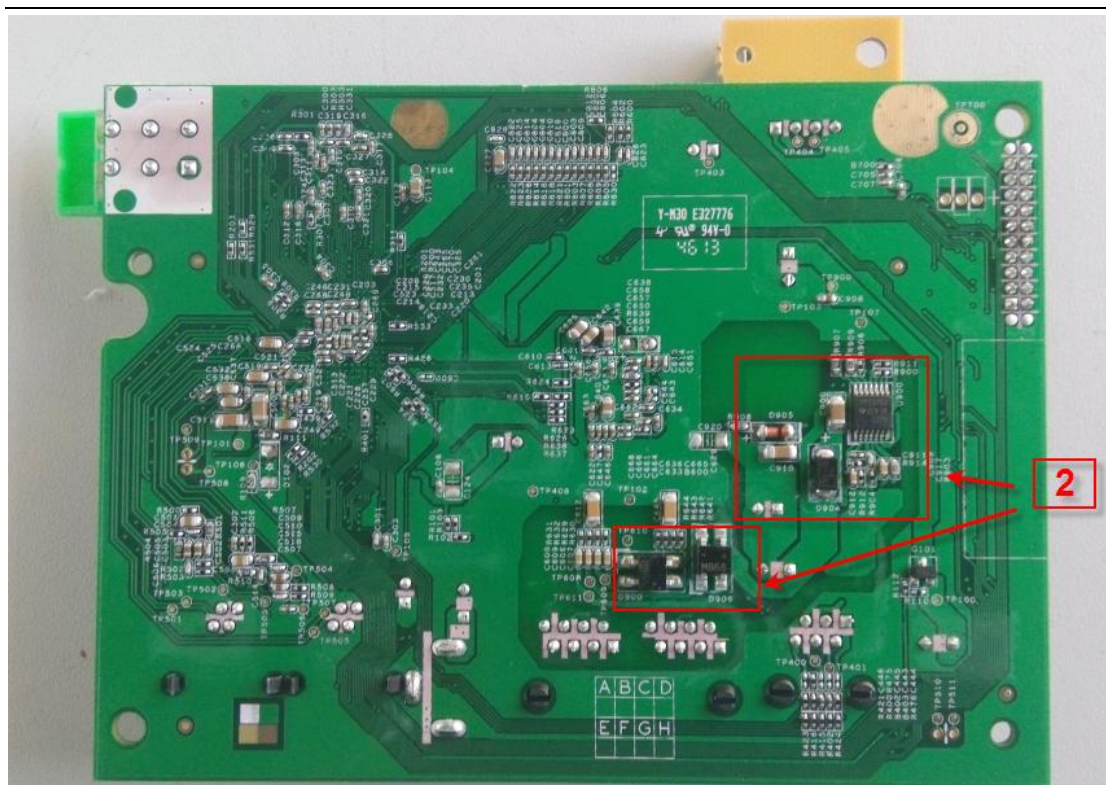
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Sincerely,

Nwei

2013-12-10