

ATI Electronics (ShenZhen) Co., LTD.

2/F, A Tower, Tangyanshan Industrial Park Tangkeng Village, Shiyan Town, Shenzhen, China

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Date: October 9, 2011

SUBJECT: Class II Permissive Change for FCC ID: SF4-G320

The product, EX-01 Bluetooth Headset, has been granted by FCC dated 08/31/2010, FCC ID: SF4-G320. Now we, ATI Electronics (ShenZhen) Co., LTD., would like to modify the authorized equipment for below hardware changes:

- ◆ Change the main IC (U1), old version type is BC6110 and new version type is BC6130, it is the upgrade version;
- ◆ Added a LC filter circuit to replace the balance filter(T1);
- ◆ Delete the copper antenna of the top layer;
- ◆ For cost down add one LC filter circuit to replace the LDO(U3) circuit;
- ◆ Put the crystal part(XT1) on the top layer;
- ◆ Change the free piece tact switch type of the bottom layer;
- ◆ Remove the solder mask of the Spk;
- ◆ Remove the solder mask of the MIC;
- ◆ Remove the solder mask of the (R,G,+);
- ◆ Remove the EEPROM part(U2) ;
- ◆ Added coil inductance(L4) to replace the chip inductance and put the coil inductance on the bottom layer;
- ◆ Remove the transistor(Q1) part of the bottom layer;
- ◆ Covered copper antenna of the bottom layer with the green dielectric oil;
- ◆ Delete the capacitor C4, C6, C30, C5, C3, C10(10nF);
- ◆ Delete the capacitor C14(15PF);
- ◆ Delete the capacitor C25(4.7PF);
- ◆ Delete the inductance L3(15nH);
- ◆ Delete the capacitor C31(4.7uF);
- ◆ Delete the resistor R4,R7(10K);
- ◆ Delete the resistor R16(1K);
- ◆ Delete the resistor R13(220K);
- ◆ Delete the resistor R14(150K);
- ◆ Change the capacitor C12 to 22Nf;
- ◆ Change the resistor R19 to 1K;
- ◆ Change the resistor R6 to 220K;
- ◆ Change the resistor R5 to 47K;
- ◆ Added the capacitor C2(10pF);
- ◆ Added the capacitor C20,C32(47nF);
- ◆ Added the capacitor C33(2.2uF);

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- ◆ Added the resistor R12(2R2);
- ◆ Added the resistor R18(470);
- ◆ Added the capacitor C35(22nF);
- ◆ Added the capacitor C36(100nF);
- ◆ Added the inductance L5(15nH);

Sincerely,

ATI Electronics (ShenZhen) Co., LTD.



David Xu
President