

Dec. 16, 2004

Subject: Permissive Class II change for FCC ID: M4Y-0XG650

Dear Sir,

The 54Mbps 802.11g Wireless Mini-PCI Adapter, Model No.: XG-650MB, FCC ID: M4Y-0XG650 need to apply for the Class II Permissive Change due to change IC and components (Detail please refer to Appendix 1). We evaluated that the changed would NOT affect the RF characteristics except for the Radiated Spurious Emission & Band edge.

The product has conducted the Radiated Spurious Emission test and Band-edge test and compliance with the CFR 47 Part 15 Subpart C 15.247 and relative regulations. For more details, please refer to the test report.

If you have any question, please feel free to contact me.

Best Regards,



Jerry Liu
Supervisor
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Appendix 1

1. XG-650 Removes following parts from XG-650

After some PC ODMs verification, the several models will encounter some problems, which due to the VLYNQ bus. TI proprietary VLYNQ bus uses mini PCI reserved pin 16, 21, 22, 36 and 43. Some PC ODMs may use those reserved pins in some other mini PCI modules, such like bluetooth, etc.

Since the PC ODMs won't deploy VLYNQ bus in their motherboard. Z-Com decides to take off the components, which relate to VLYNQ bus. The following table shows the components and the corrective reserved pin. After components removing, the circuits of reserved pins will be floating.

Item Location Components Corrective pin Pin Name TNETW1130

- Ø 1. R77 0402 49.9ohm resistor 16 Reserved_a B1
- Ø 2. R78 0402 49.9ohm resistor 21 Reserved_b C12
- Ø 3. R79 0402 49.9ohm resistor 22 Reserved_c A13
- Ø 4. R75 0402 49.9ohm resistor 36 Reserved_e B11
- Ø 5. R76 0402 49.9ohm resistor 43 Reserved_f C11
- Ø 6. R30 0402 4.7Kohm resistor N/A N/A B9
- Ø 7. R23 0402 4.7Kohm resistor 21 Reserved_b C12
- Ø 8. R24 0402 2.7Kohm resistor 22 Reserved_c A13

2. XG-650MB adds following part to enable FAA RF kill feature

Item Location Components Corrective pin Pin Name TNETW1130

- (1) R68 0402 1Kohm resistor 13 LED1_GRNN GPIO13/V2_RXD1
- (2) C69 0402 100pF capacitor 13 LED1_GRNN GPIO13/V2_RXD1

3.EEPROM version

XG-650 nvs_24_05_01_00_radia.txt

XG-650MB nvs_24_05_03_01_radia.txt