



Motorola Point to Point Fixed Wireless Solutions
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20 January 2009

**American TCB
Europe**

For the attention of Michael Derby

Dear Sir

RE: REQUEST FOR A CLASS II CHANGE

Motorola would like to request a Class II change for a product already certified by the FCC and Industry Canada. Details and supporting evidence are given below or attached to this request.

1 Products Covered

PTP49600 Wireless Ethernet Bridge

This operates in the band Public Safety Band (4940MHz to 4990MHz) and is currently approved under

- FCC Part 90 with FCC ID: QWP49100, and
- Industry Canada Specification RSS-111 with IC ID: 109AO-49100 (covers WB3221, WB3222 Integrated and Connectorised Variants)

2 Reason for Change

The change is requested to cover the relocation of components in the Local Oscillator chain into a separate screening compartment. Details of the components affected may be found in the Parts List Annex.

3 Certification Testing

In support of the Class II Change request, Motorola has repeated tests needed to show any change in performance compared to the product initially tested. The additional testing required was chosen on the basis that:

- a) The Main Transmit path operation is not affected by this change and no Transmit Path changes have been introduced
- b) The components are unchanged, it is only their relative location on the board that is different
- c) The area of the design affected is operating between 1413MHz and 4249MHz, with associated higher harmonic frequencies

On this basis it is believed that repeating the Radiated Emissions testing between 1GHz and 40GHz is an adequate test regime to demonstrate that the performance of the product as declared to the regulatory authorities has not been degraded beyond the regulatory limits.

The Radiated Emissions testing performed in support of the original certification has been repeated and the attached report (RFI/RPT2/RP74379JD02A) covers the new results. The emissions found in the new tests are the same as before but do have some small differences to the levels shown in the original report from TUV (Document 75904932 Report 01 Issue 2) that was used in the original submission.

However, the levels are slightly higher at some operating frequencies and therefore a Class II change is required.

I hope that the information above and attached is sufficient to allow the Change to be processed but if you require any additional information, please let me know.

Yours sincerely



Clem Fisher
RF Development Manager
Motorola Fixed Point to Point Wireless Solutions Group