



## **VTech Engineering Canada Ltd.**

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July 21, 2004

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21046-1609

Dear Sir / Madam:

**Re: Application for a Class II Permissive Change filing with FCC ID:**

**Base: EW780-5412-00**

**Handset: EW780-5412-01**

The purpose of this document is to describe the changes on the RF circuitry that are made to the VTech designed family models: VTECH 5853, 5866, 5803, & 5807. Changes are made to improve the performance of the phone and at the same time to reduce the cost.

The major changes on RF circuitry from the current approved version to the new version are :-

**BS RF Module**

- 1) PLL, 3.3GHz VCO (LO for Up conversion), Up converter and Driver amplifier will be replaced by Microlinear (ML5824) Transverter
- 2) 5.8GHz 1 watt PA changed for the cost reduction purpose from MuRata XM5060PC to MuRata XM5060PE
- 3) 2.4GHz Rx Antenna changes from Coax Dipole to Metal Wire L - Antenna

**HS RF Module**

- 1) 5.8GHz LNA, PLL, 3.3GHz VCO (LO for Down conversion) and Down Converter will be replaced by Microlinear (ML5824) Transverter
- 2) 2.4GHz Tx Discrete Lumped LPF is replaced by MuRata 2.4GHz LPF (to reduces the Power and Harmonic suppression variations)

All other circuitry, antennae and RF IC remain the same.

Sincerely,

Joseph Poon  
Regulatory Compliance Manager  
VTech Engineering Canada Ltd.