



VTech Engineering Canada Ltd.

#200 - 7671 Alderbridge Way

Richmond, B.C. V6X 1Z9 Canada

Tel +1 (604) 273-5131 Fax +1 (604) 276-9137

List of changes for Bundle 5825 CRP2 BS RF

Prepared By: <i>John Sharpe</i>	Prepared For: <i>Nemko Canada</i>
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The overall functionality of the tx chain has not changed from the previous version. The heart of the system remains as the UAA3548 which provides all basic tx and rx functions.

The upconverter and driver sections have been reduced to a single IC, the ML5824, which provides the PLO, mixer and driver functions. The PLO frequency does not change from the previous version.

The final PA section changes to a newer part from the vendor and outputs slightly less power from the previous version due to a reduced drive level.

All components listed below are the main IC components and do not include external caps/ resistors/etc.

Previous Component(s)	New Component	Function/Specs
ATR2807 3.3GHz LO IC MAX580L Mixer XF5800DA Driver IC	ML5824 Upconverter IC	3.3GHz LO & upconversion circuitry + driver
XF5060PC IC Typ Pout = +29dBm	XF5060PE IC Typ Pout = +28dBm	Power Amplifier IC