



Tune Up Procedure for iCell QUADPAC 1X IP-RAN 1900MHz CPU

Revision: 1.0

Star Solutions International Inc. Confidential and Proprietary

©2013 Star Solutions International Inc.

All rights reserved.

Printed in Canada

This document contains proprietary information of Star Solutions International Inc. and its affiliates and subsidiaries. The contents are Company Confidential and any disclosure to persons other than the officers, employees, agents or subcontractors of the owner or licensee of these materials, without the prior written consent of Star Solutions International Inc. is strictly prohibited.

No part of this document, or any software included with it, may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, including photocopying, electronic, mechanical, recording or otherwise, without the prior written permission of the copyright holder.

Product names mentioned in this document are trademarks or registered trademarks of their respective companies and are hereby acknowledged.

This document may contain technical inaccuracies or typographical errors. Star Solutions International Inc. waives responsibility for any labor, materials, or costs incurred by any person or party as a result of using this document. Star Solutions International Inc. or other affiliates shall not be liable for any damages (including, but not limited to, consequential, indirect or incidental, special damages or loss of profits or data) even if they were foreseeable and Star Solutions International Inc. has been informed of their potential occurrence, arising out of or in connection with this document or its use.

Star Solutions International Inc.
4600 Jacombs Road
Richmond, BC Canada V6V 3B1
Phone (604) 276-0055
Fax (604) 276-0501

Record Section

This document is the property of Star Solutions International Inc. Its contents are strictly confidential and may not be reproduced in whole or part without the written consent of Star Solutions International Inc. All printed copies of this document are uncontrolled.

RF Modem Description & Tune Up Procedure

Transmit:

1X CDMA Forward signal is developed in the Qualcomm CSM5000 CDMA modems in the main digital board of the BTS module. The digitizer module converts the signal to analog. This signal is up-converted to the desired channel frequency, amplified and filtered.

Output power is calibrated at the factory using calibrated power measurement equipment (with tolerance as per the calibration certification) to ensure the target power is reached.

Protection circuitry ensures the maximum desired output power of 21 dBm is not exceeded.

There are no field tunable components in this product.