

POWER CONSUMPTION OF THE A3LA-X SERIES

Version 1.0

September 18, 2009



Copyright © 2009 by NAL Research Corporation

The specifications in this document are subject to change at NAL Research's discretion. NAL Research assumes no responsibility for any claims or damages arising out of the use of this document or from the use of the A3LA-X series based on this document, including but not limited to claims or damages based on infringement of patents, copyrights or other intellectual property rights. NAL Research makes no warranties, either expressed or implied with respect to the information and specifications contained in this document. Performance characteristics listed in this document are estimates only and do not constitute a warranty or guarantee of product performance.

TABLE OF CONTENTS

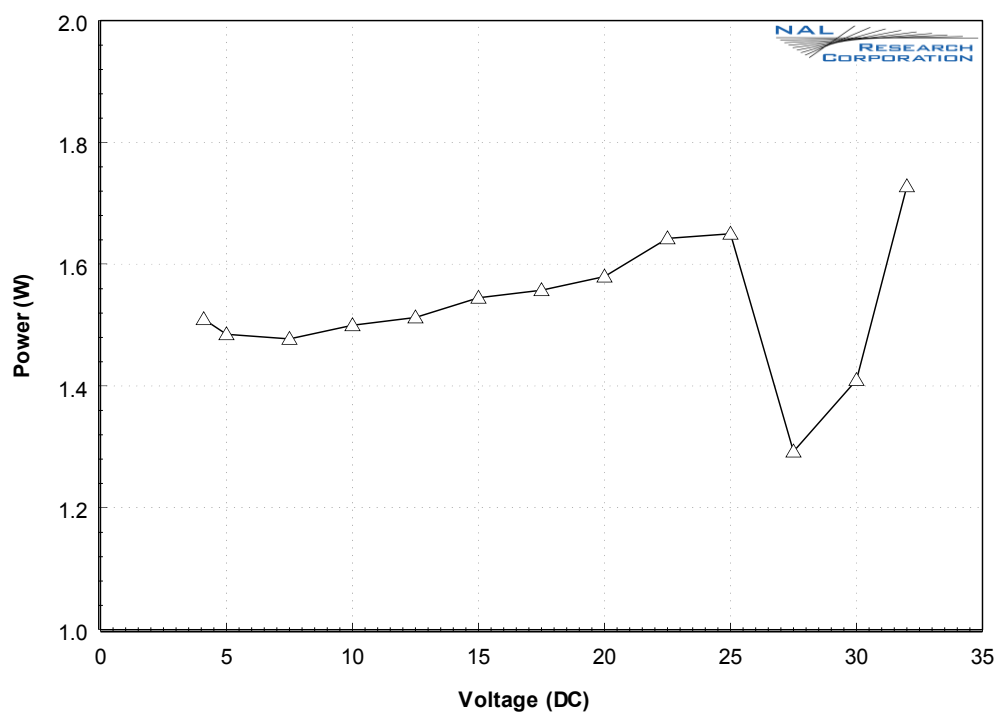
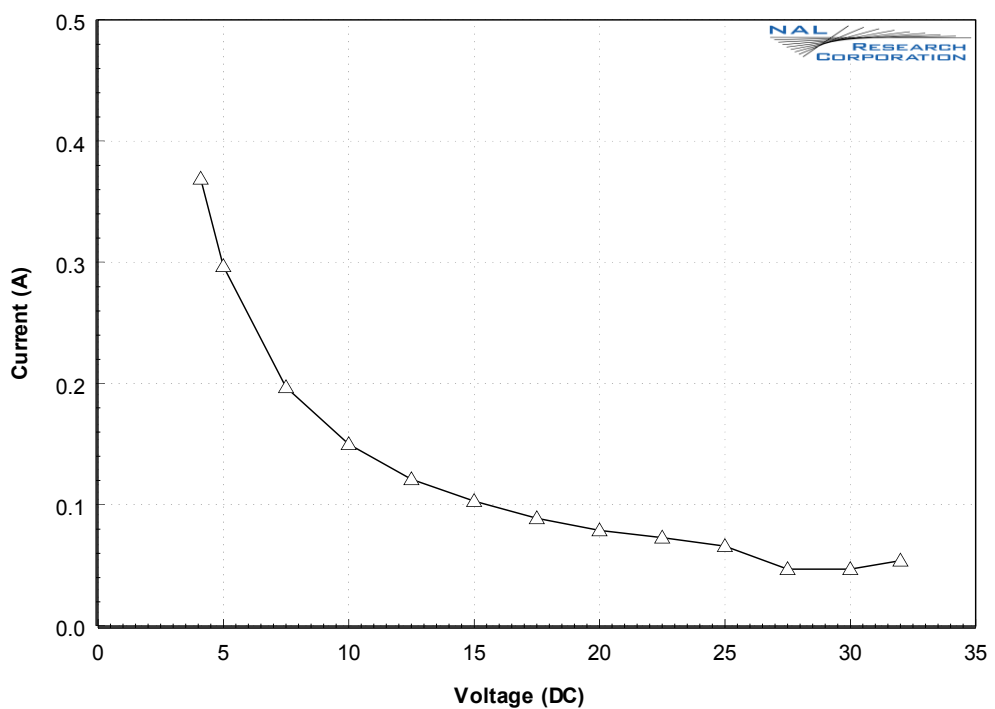
1.0 PURPOSE	3
2.0 A3LA-X AND A3LA-XL MODEMS	3
2.1 Power Consumption During Standby	3
2.2 Power Consumption During Dial-Up	4
2.3 Power Consumption During SBD	5
2.4 Power Consumption During SMS	6
2.5 Power Consumption of All Cases	7
3.0 A3LA-XP MODEM	8
3.1 Power Consumption During Standby	8
3.2 Power Consumption During Voice Call	9
4.0 A3LA-XM MODEM	10
4.1 Power Consumption During Standby	10
4.2 Power Consumption During Dial-Up	11
4.3 Power Consumption During SBD	12
4.4 Power Consumption During SMS	13
4.5 Power Consumption of All Cases	14
5.0 A3LA-XMP MODEM	15
5.1 Power Consumption During Standby	15
5.2 Power Consumption During Voice Call	16
6.0 A3LA-XG MODEM	17
6.1 Power Consumption During Standby	17
6.2 Power Consumption During Dial-Up	18
6.3 Power Consumption During SBD	19
6.4 Power Consumption During SMS	20
6.5 Power Consumption of All Cases	21
7.0 A3LA-XGP MODEM	22
7.1 Power Consumption During Standby	22
7.2 Power Consumption During Voice Call	23
8.0 9522B MODEM	24
8.1 Power Consumption During Standby	24
8.2 Power Consumption During Dial-Up	25
8.3 Power Consumption During SBD	26
8.4 Power Consumption During SMS	27
8.5 Power Consumption of All Cases	28

1.0 PURPOSE

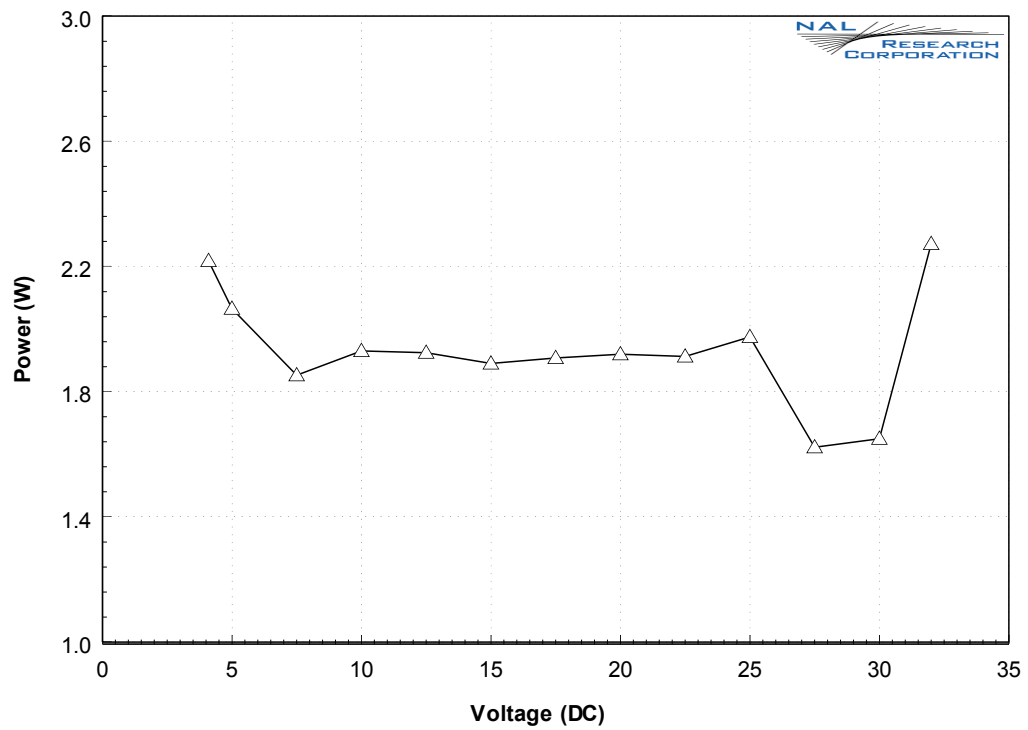
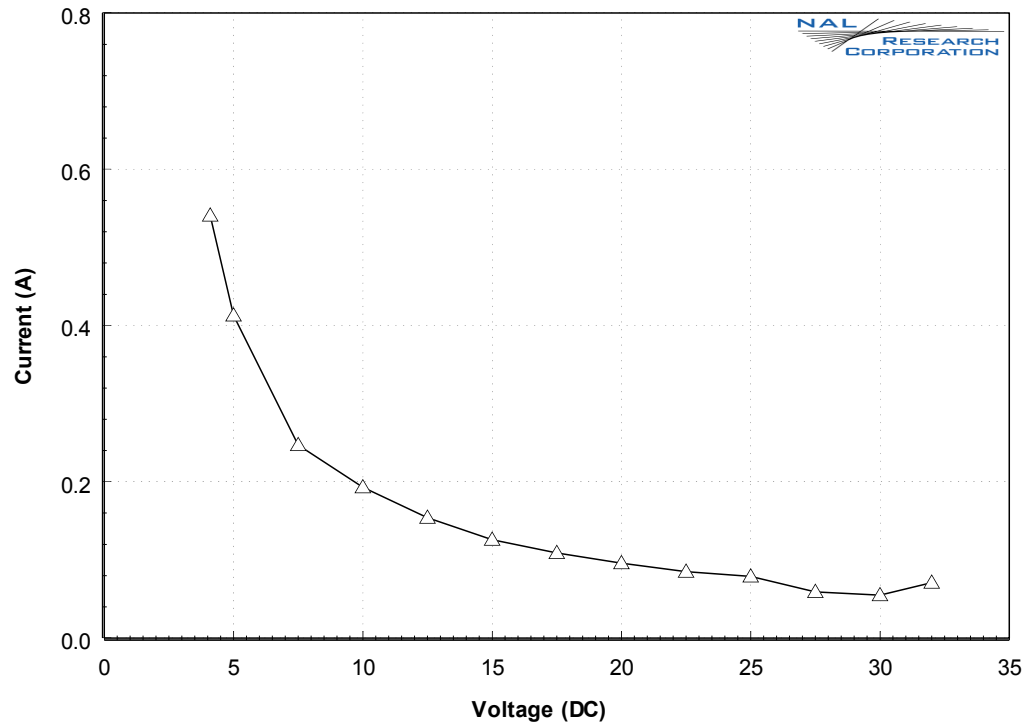
This manual documents power consumption of the A3LA-X series during various operating conditions including standby, dial-up data connection, short-burst data (SBD) and short-messaging service (SMS).

2.0 A3LA-X AND A3LA-XL MODEMS

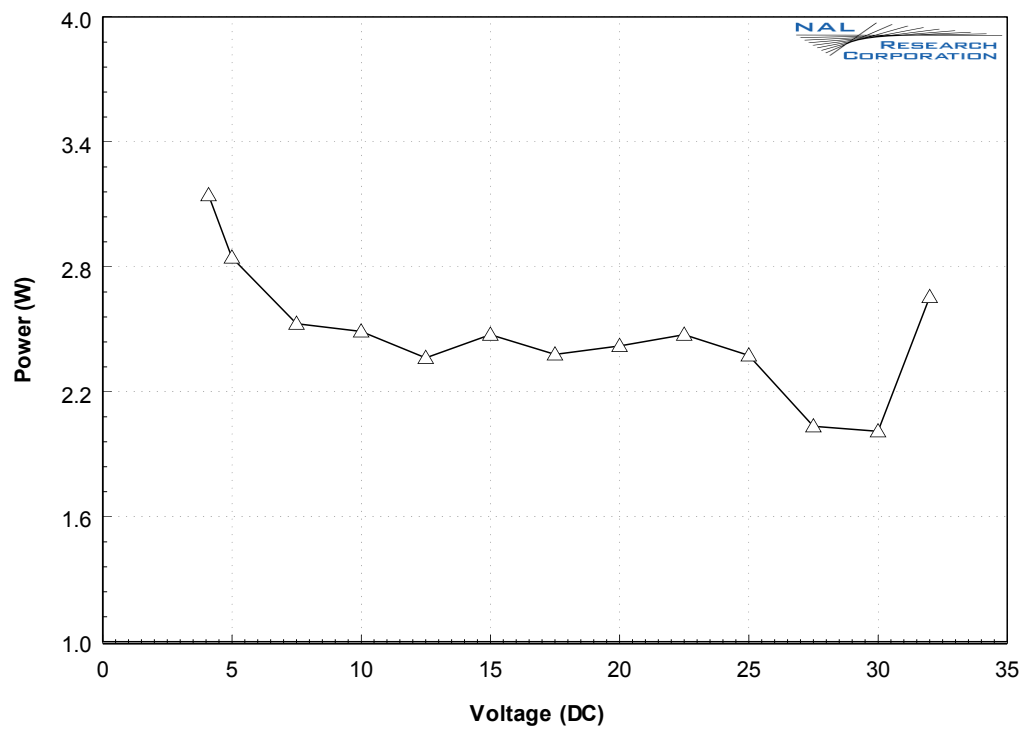
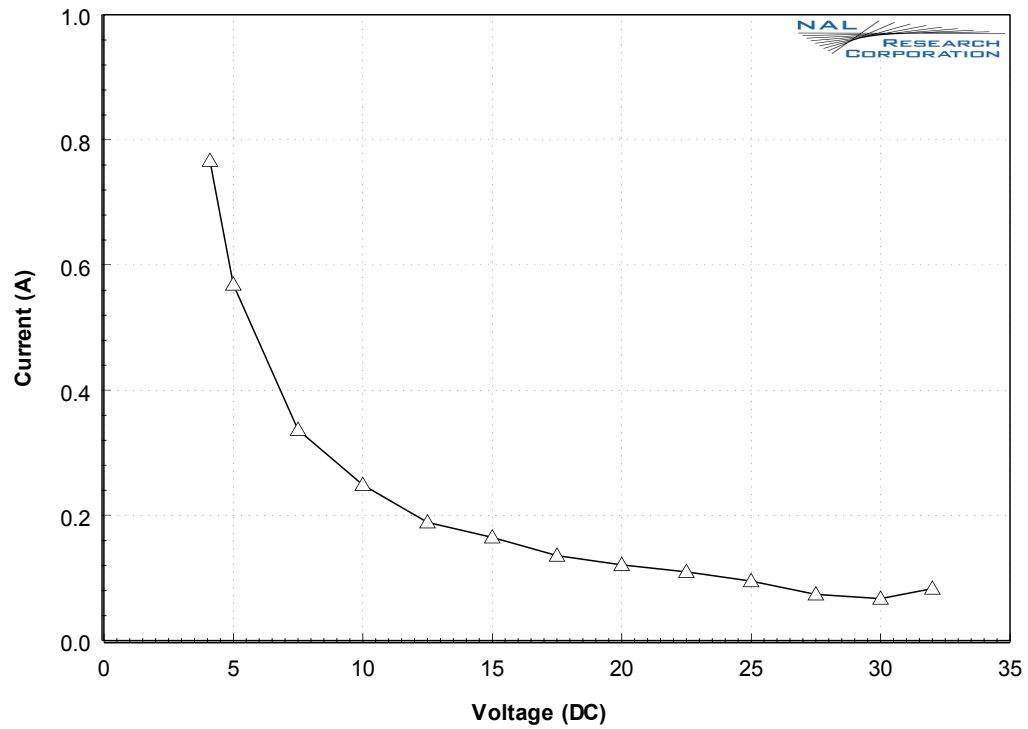
2.1 Power Consumption During Standby (A3LA-X and A3LA-XL)



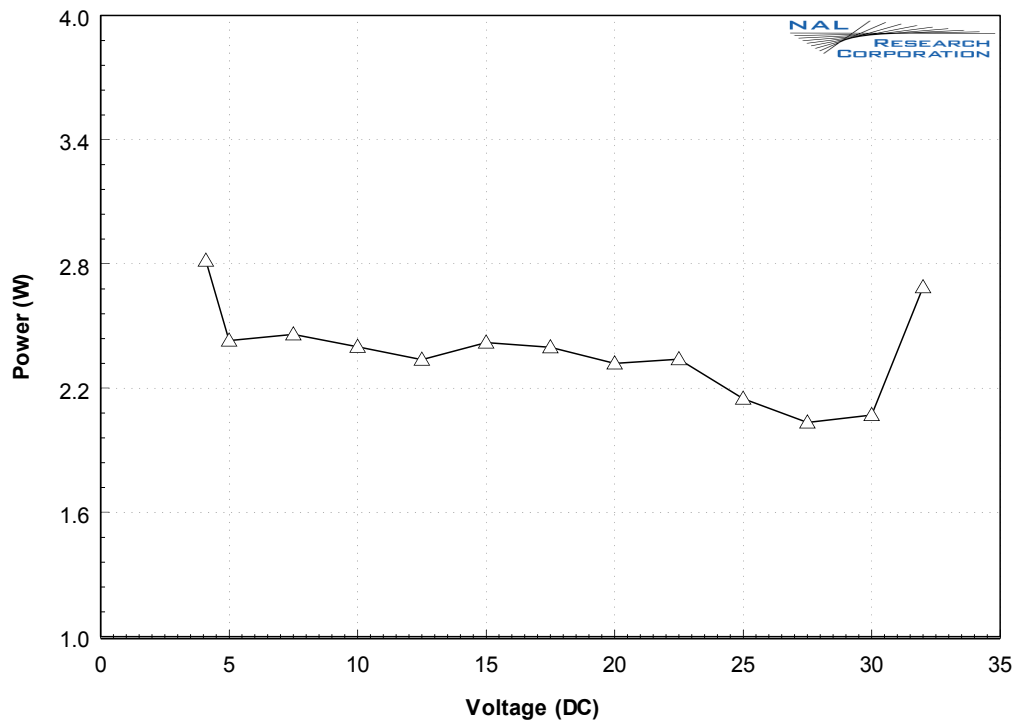
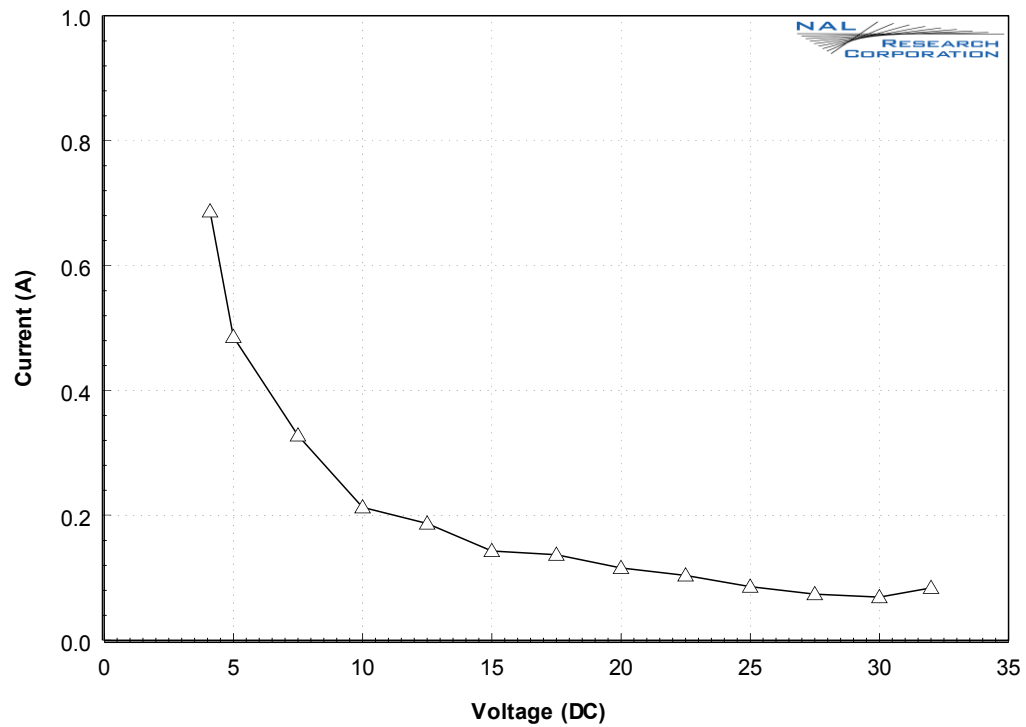
2.2 Power Consumption During Dial-Up (A3LA-X and A3LA-XL)



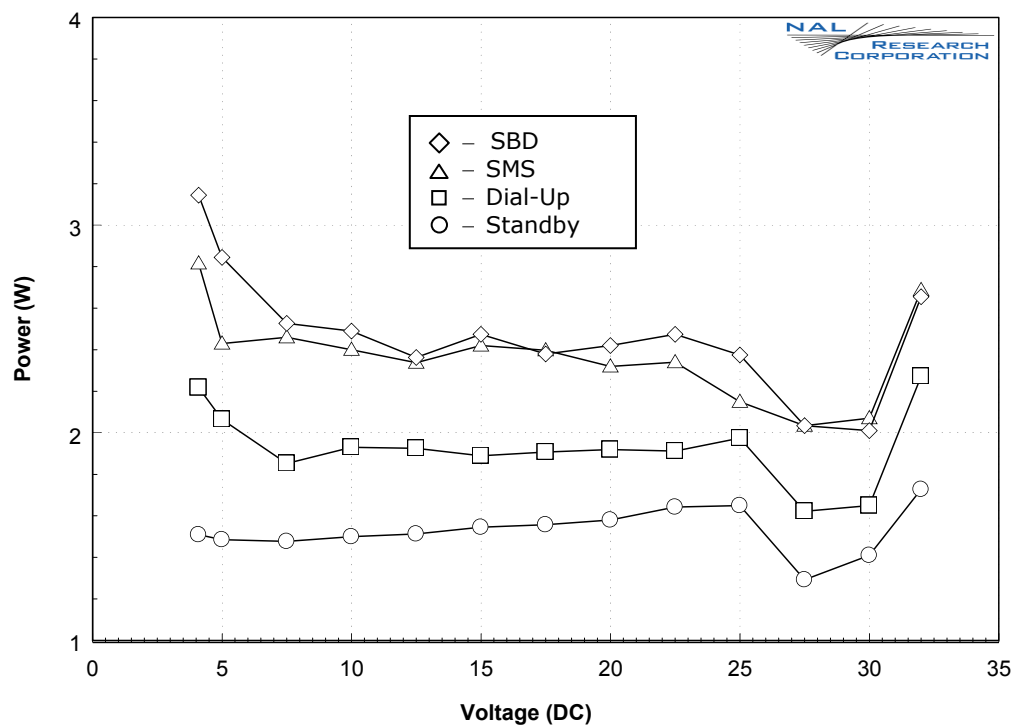
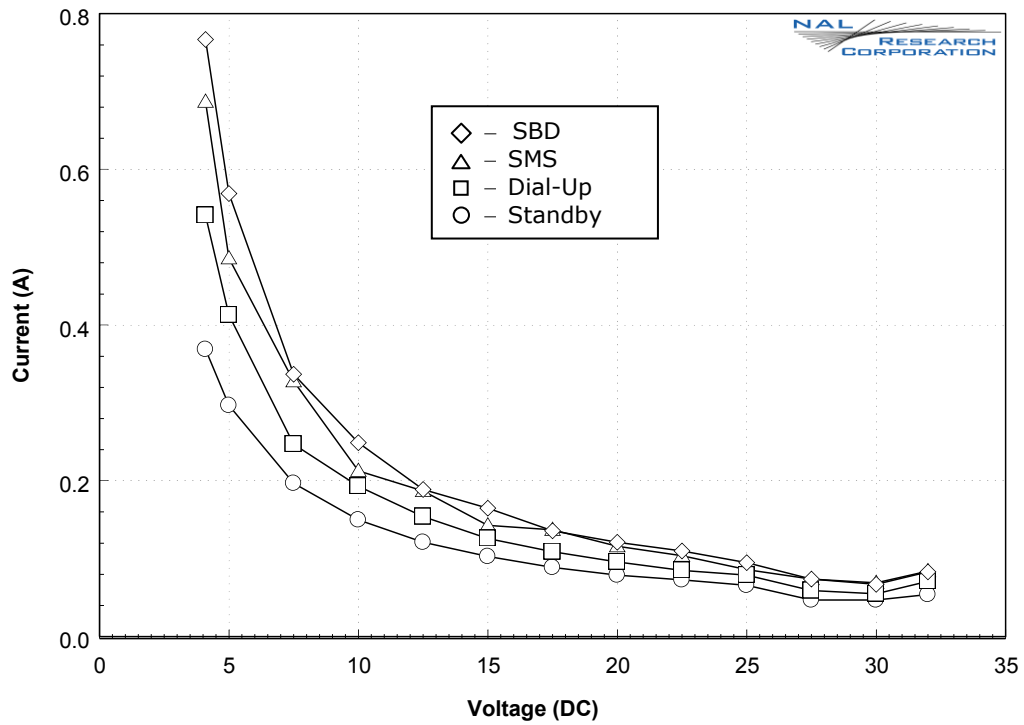
2.3 Power Consumption During SBD (A3LA-X and A3LA-XL)



2.4 Power Consumption During SMS (A3LA-X and A3LA-XL)

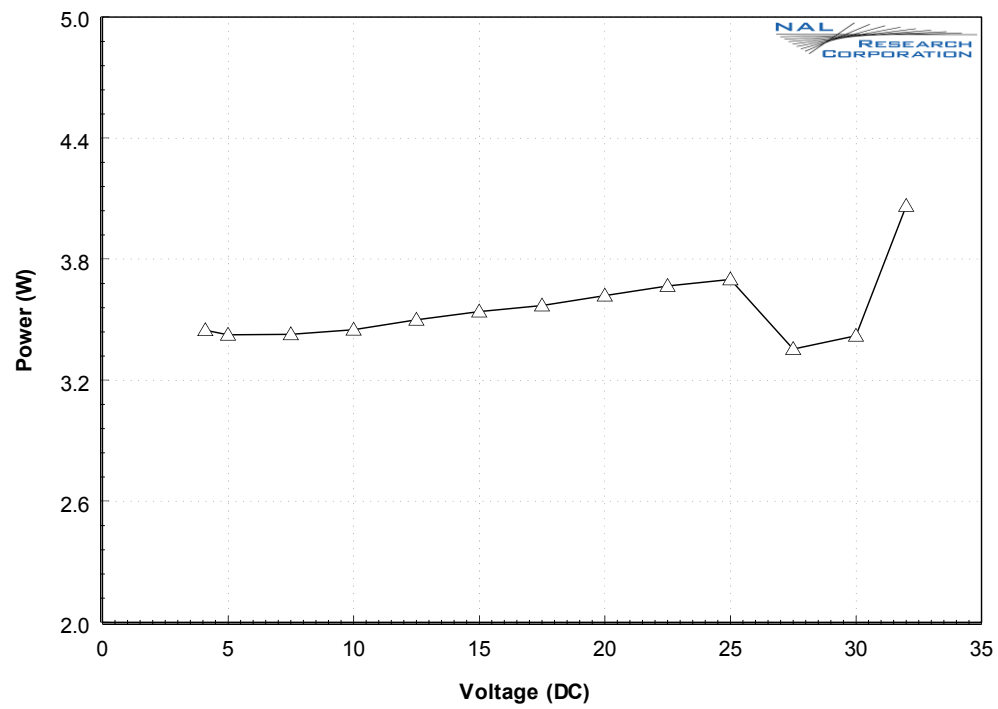
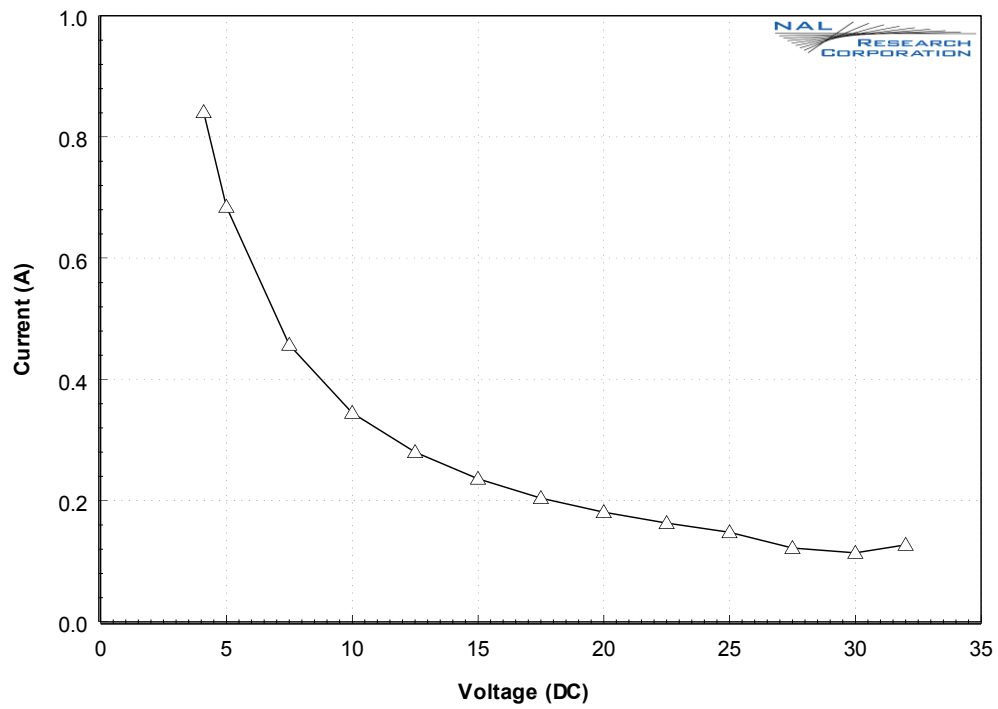


2.5 Power Consumption for All Cases (A3LA-X and A3LA-XL)

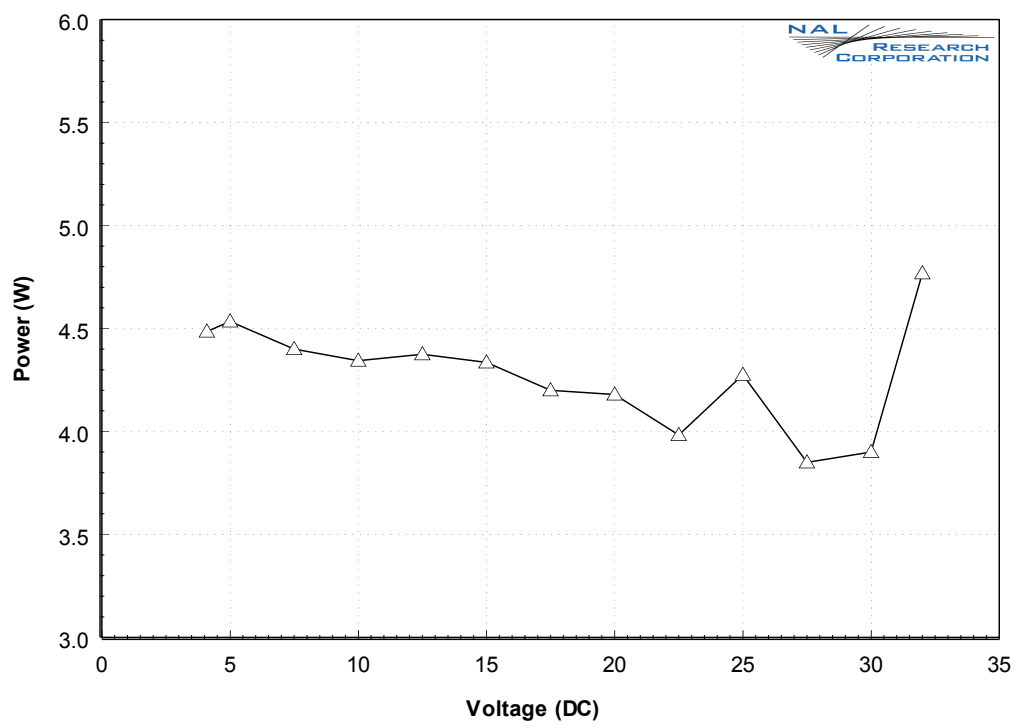
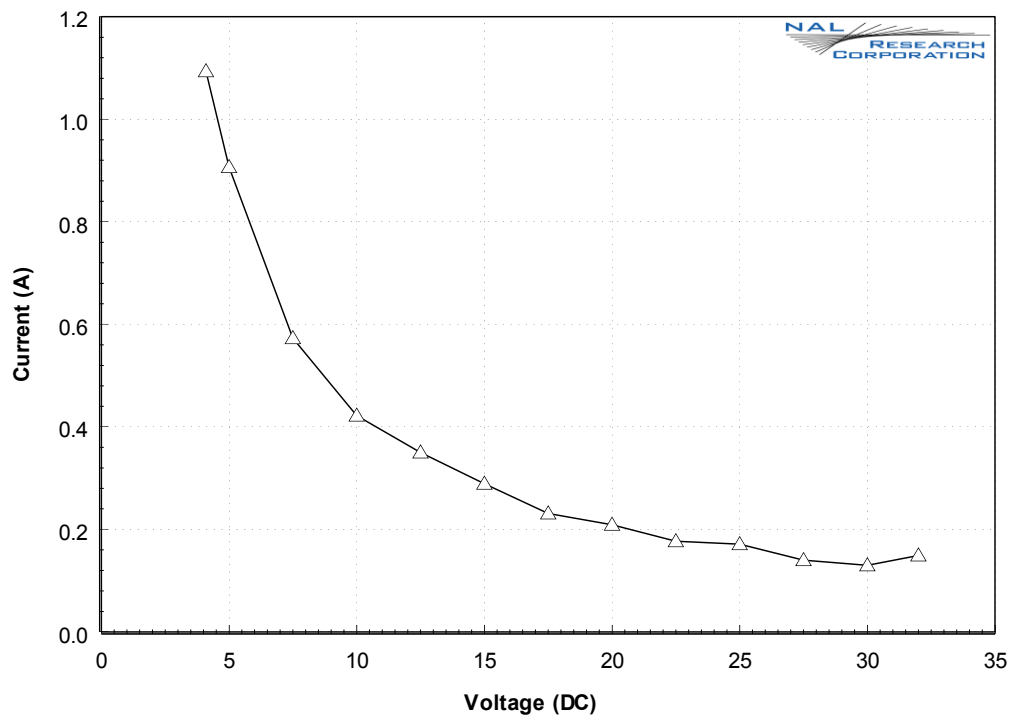


3.0 A3LA-XP MODEM

3.1 Power Consumption During Standby (A3LA-XP)

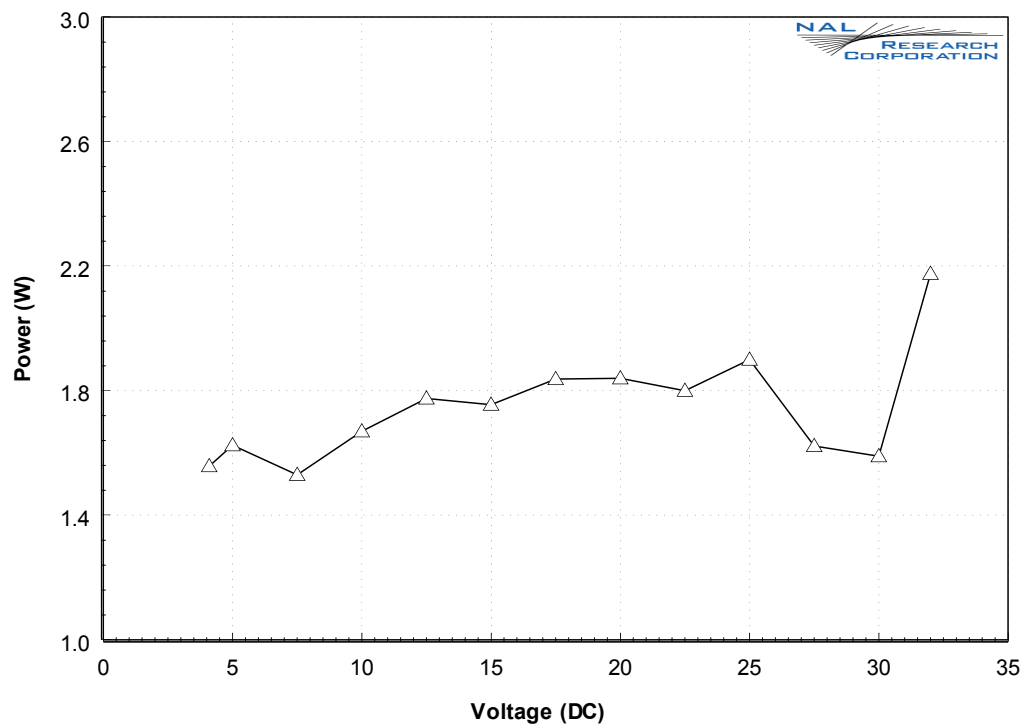
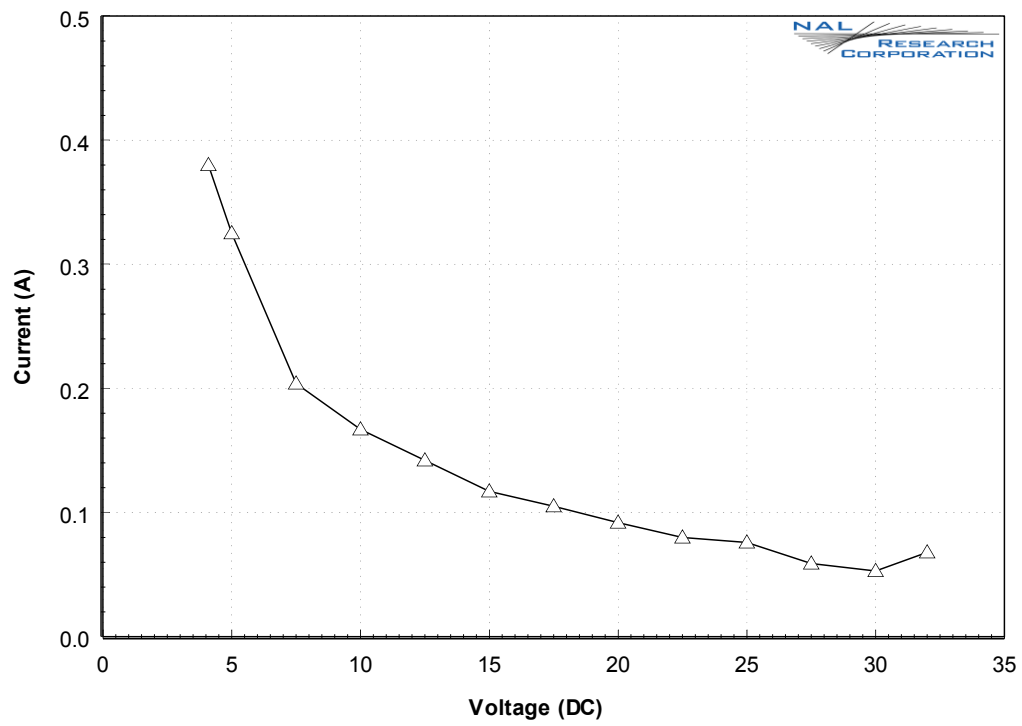


3.2 Power Consumption During Voice Call (A3LA-XP)

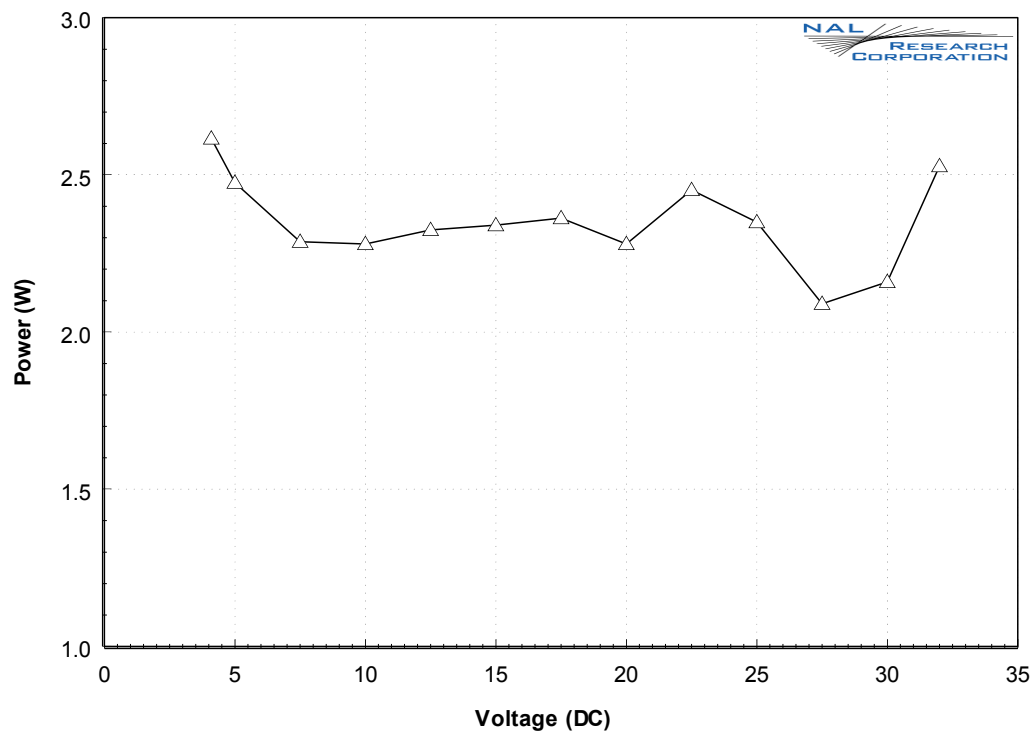
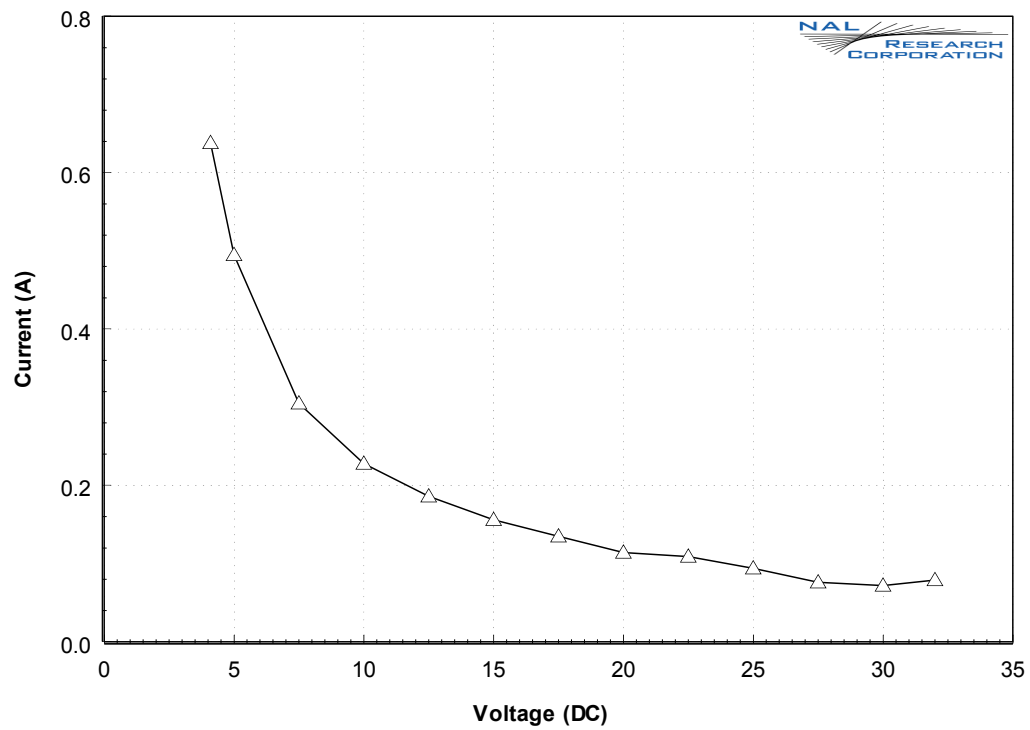


4.0 A3LA-XM MODEM

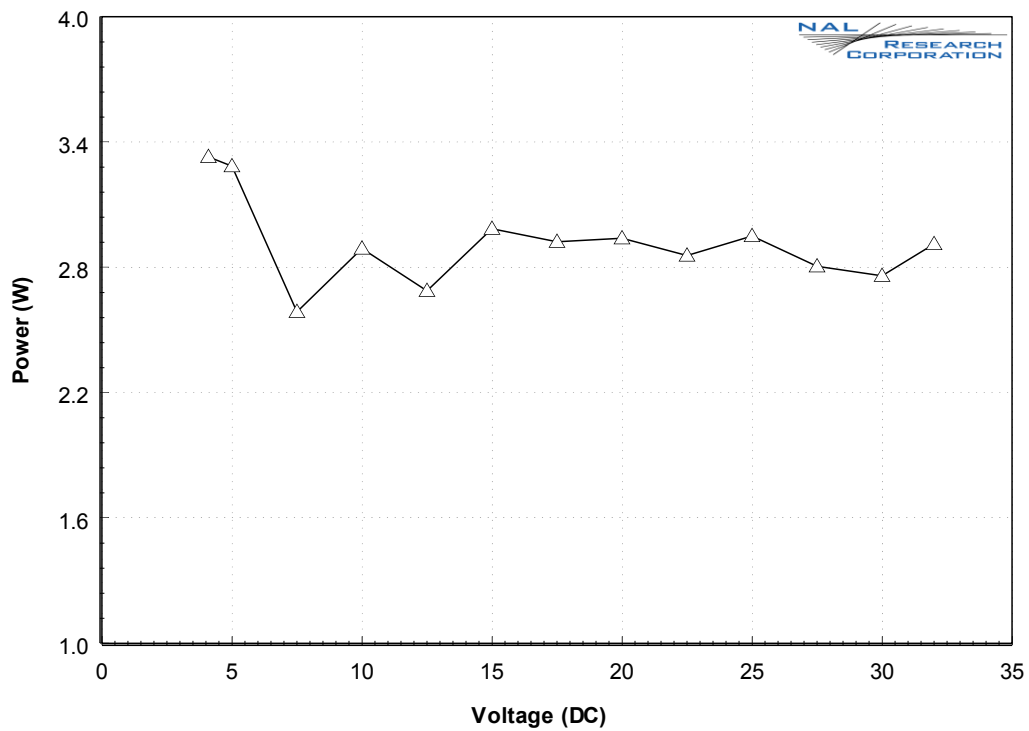
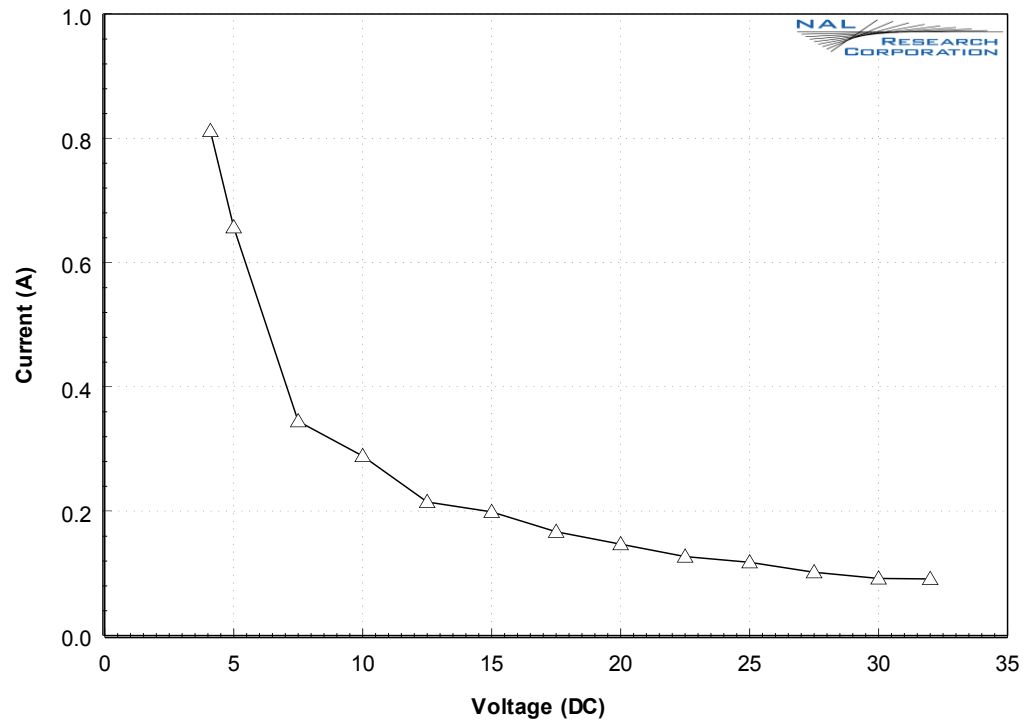
4.1 Power Consumption During Standby (A3LA-XM)



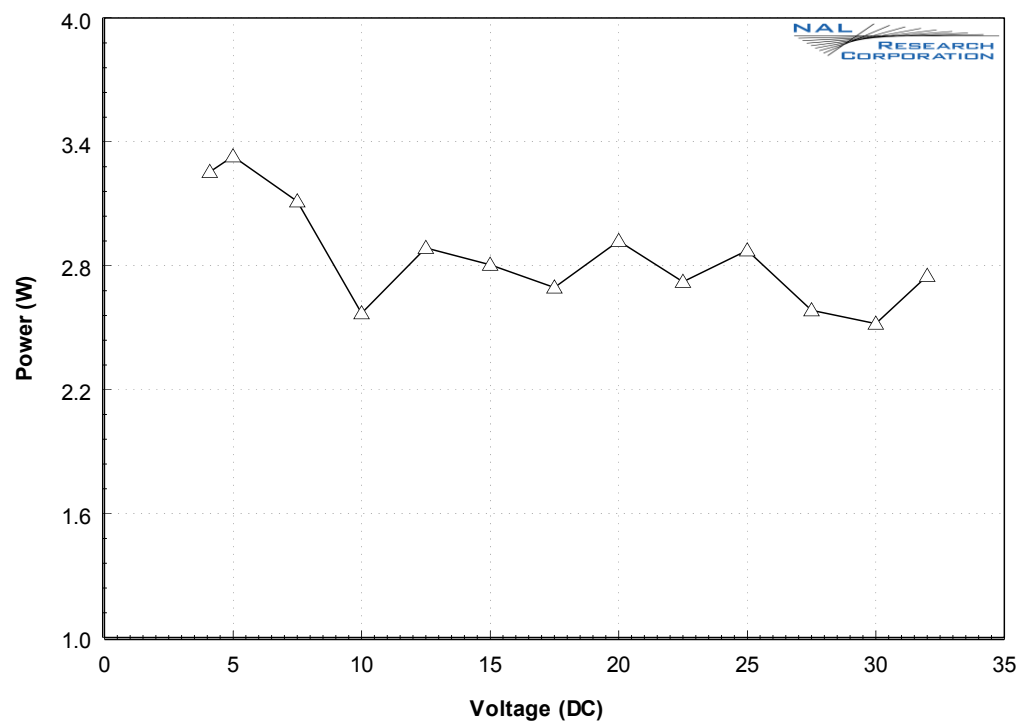
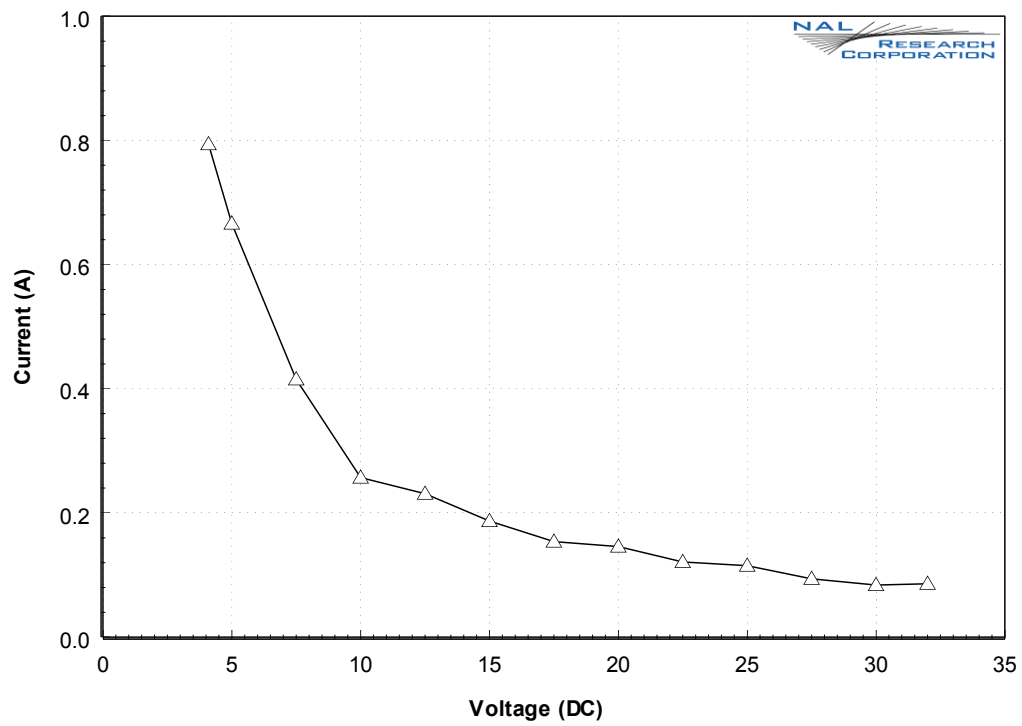
4.2 Power Consumption During Dial-Up (A3LA-XM)



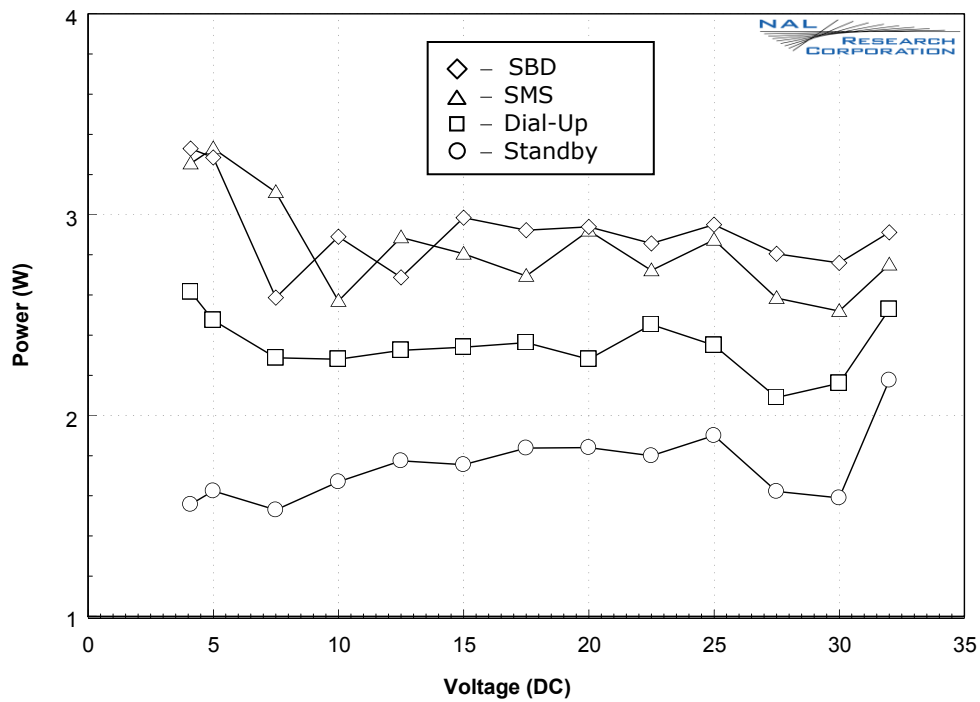
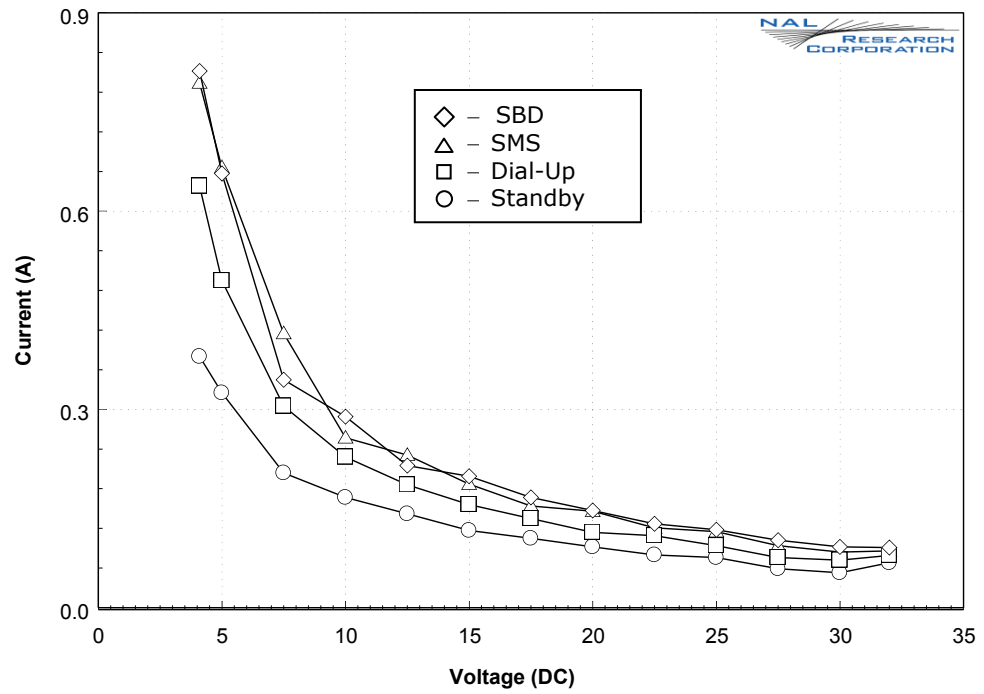
4.3 Power Consumption During SBD (A3LA-XM)



4.4 Power Consumption During SMS (A3LA-XM)

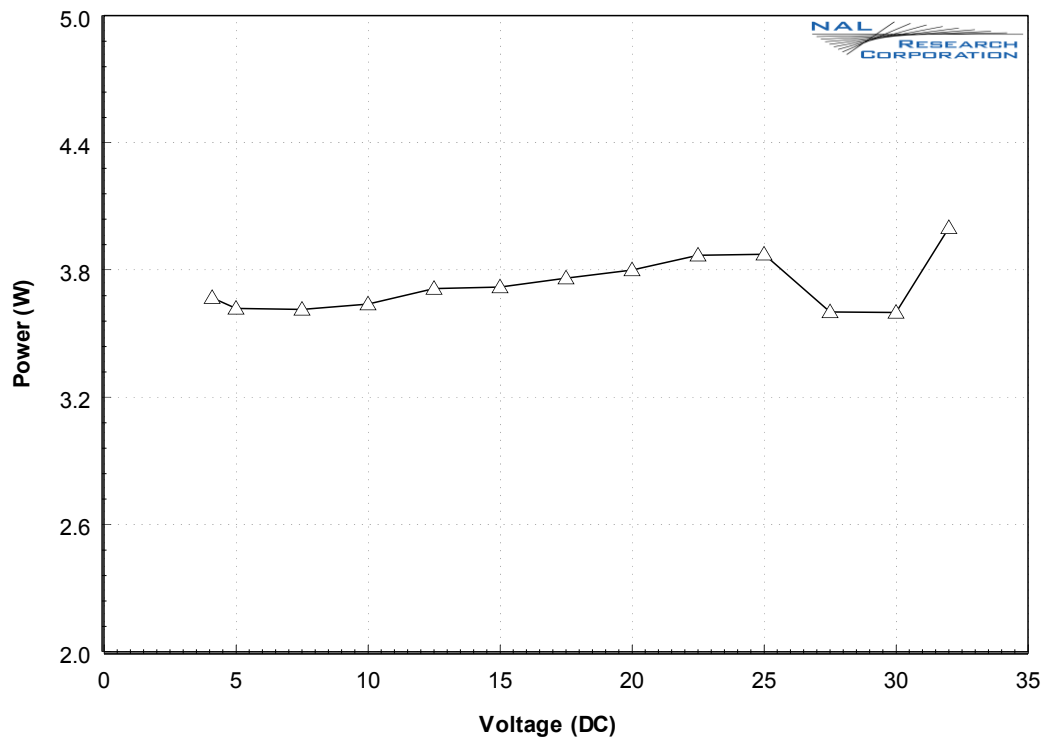
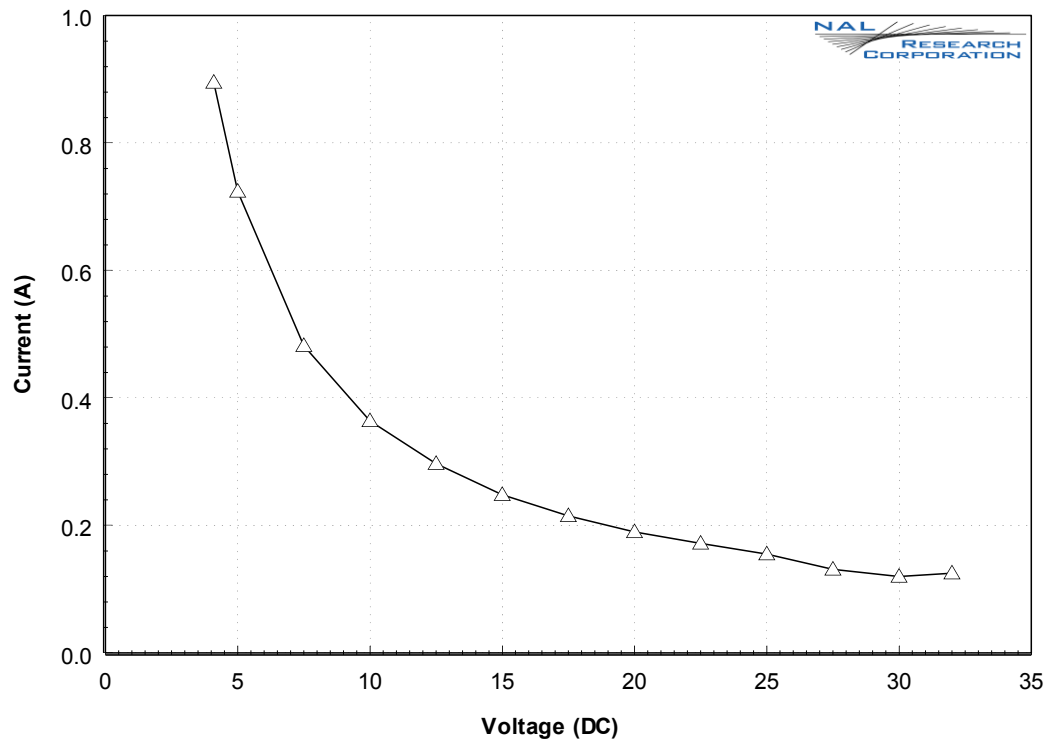


4.4 Power Consumption for All Cases (A3LA-XM)

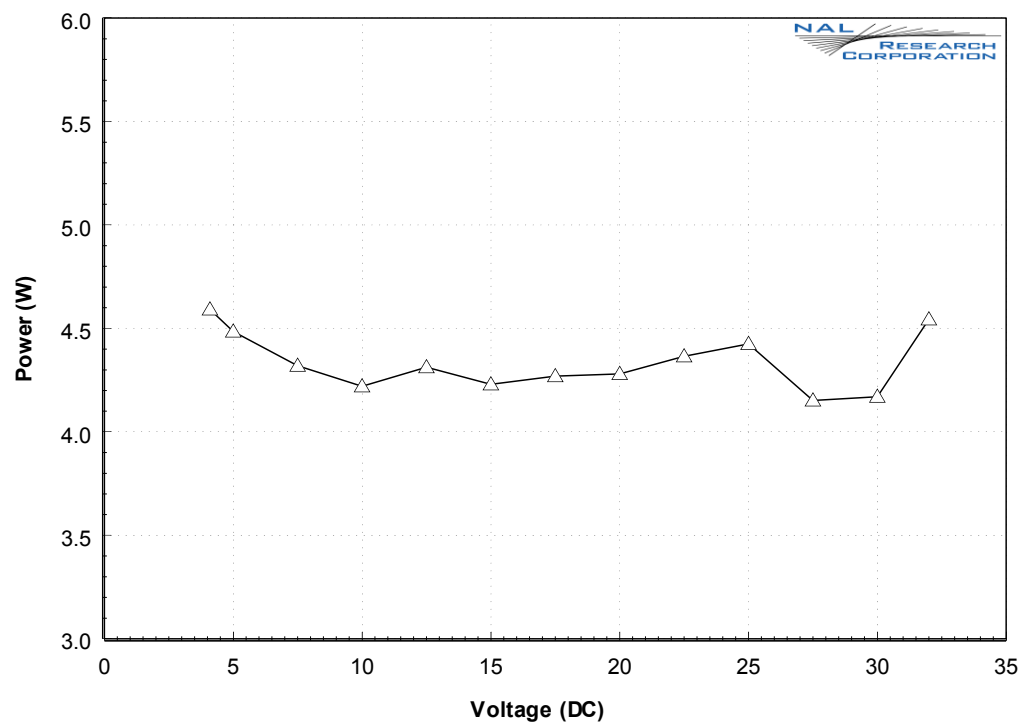
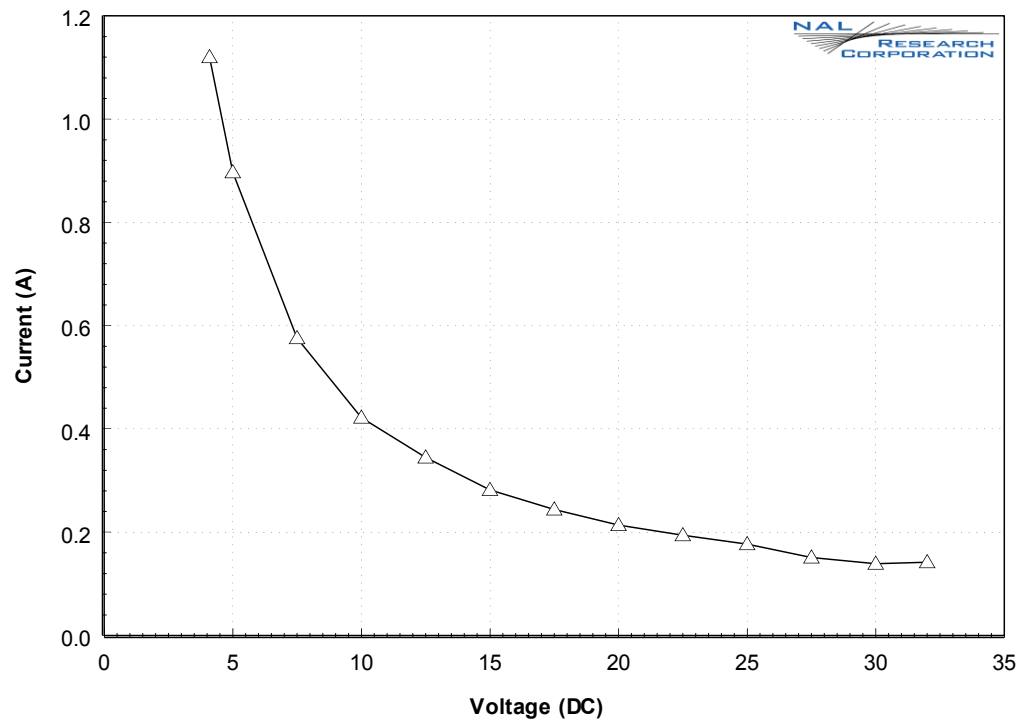


5.0 A3LA-XMP MODEM

5.1 Power Consumption During Standby (A3LA-XMP)

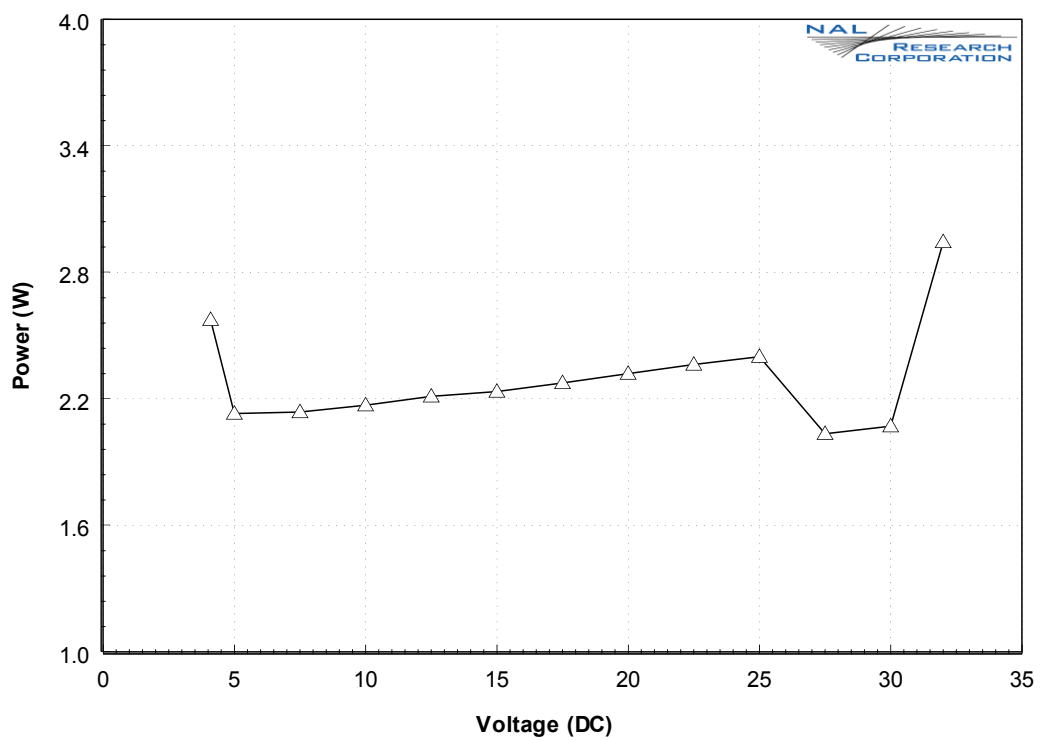
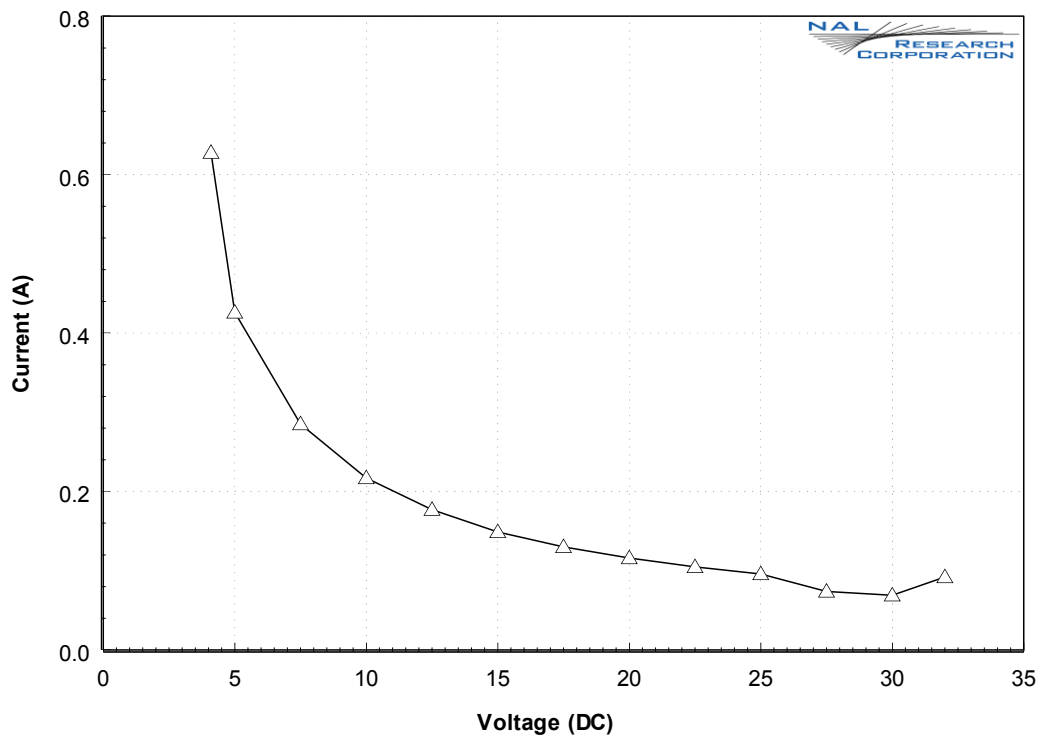


5.2 Power Consumption During Voice Call (A3LA-XMP)

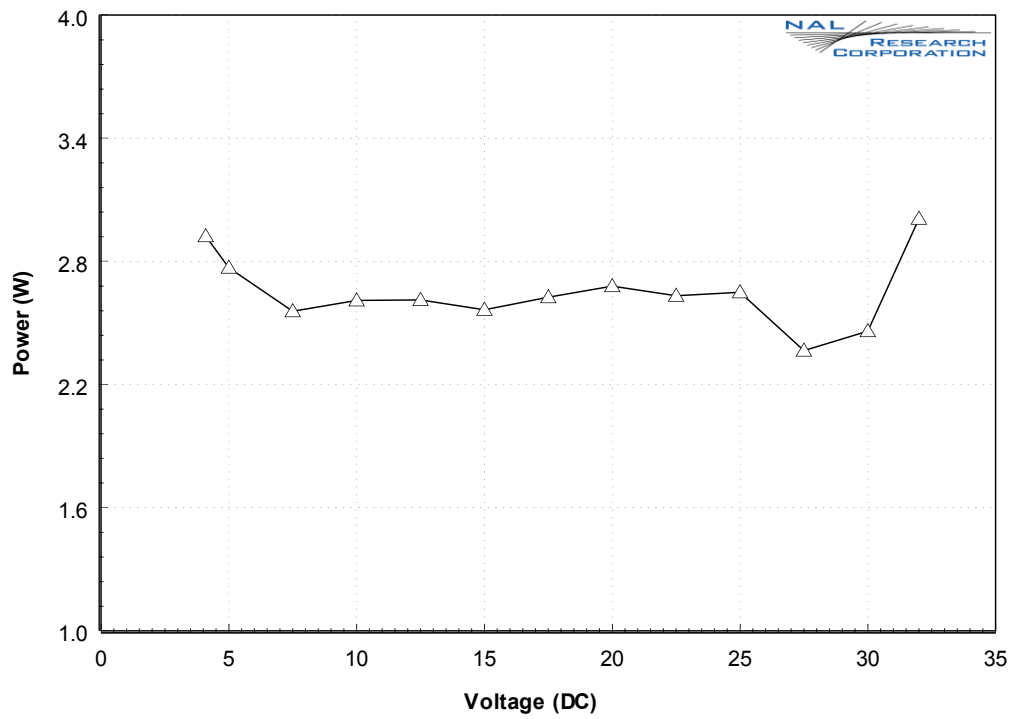
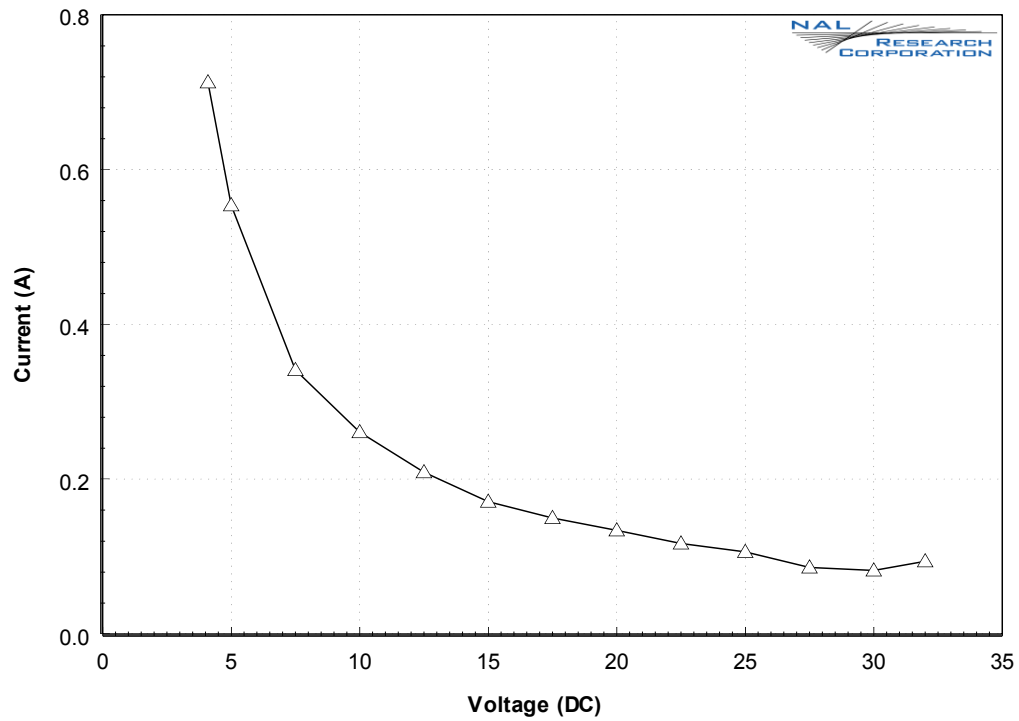


6.0 A3LA-XG MODEMS

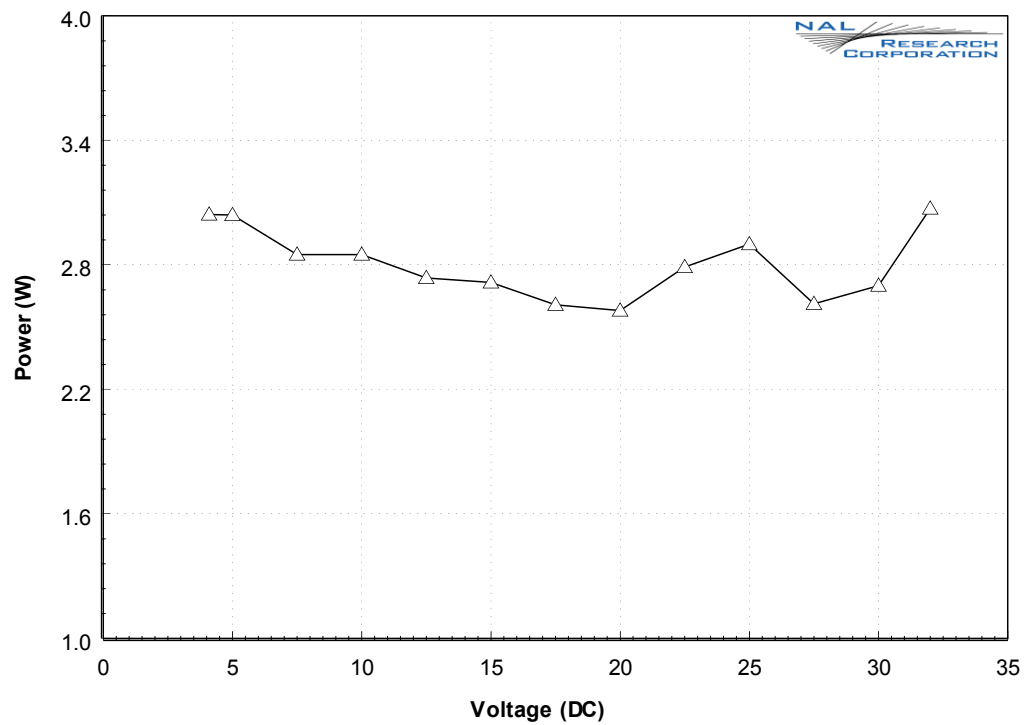
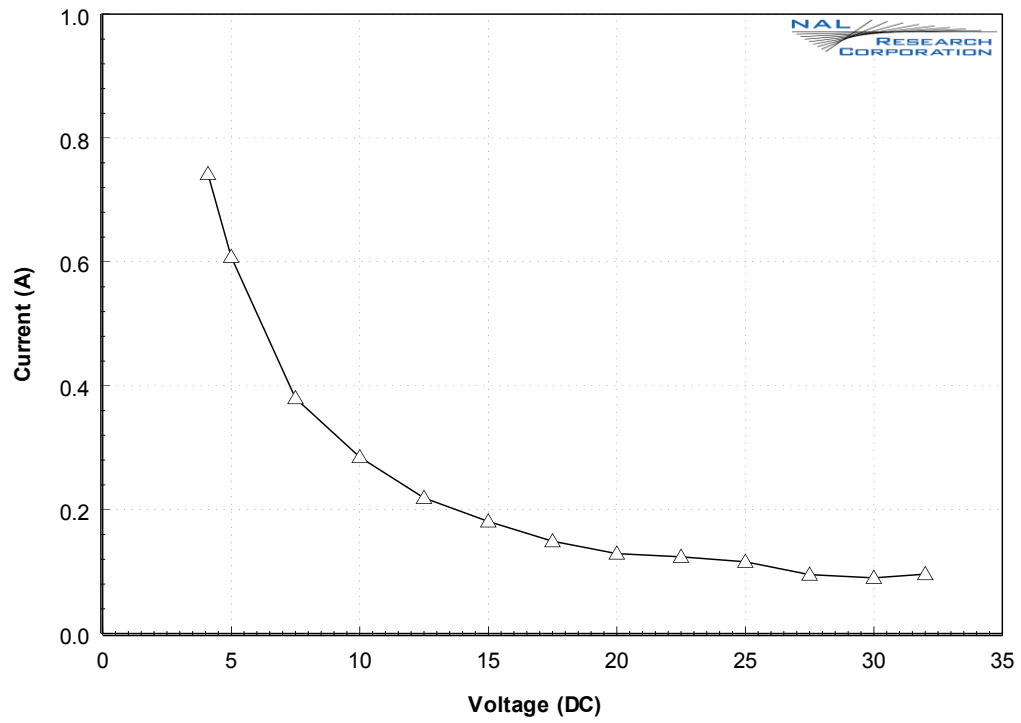
6.1 Power Consumption During Standby (A3LA-XG)



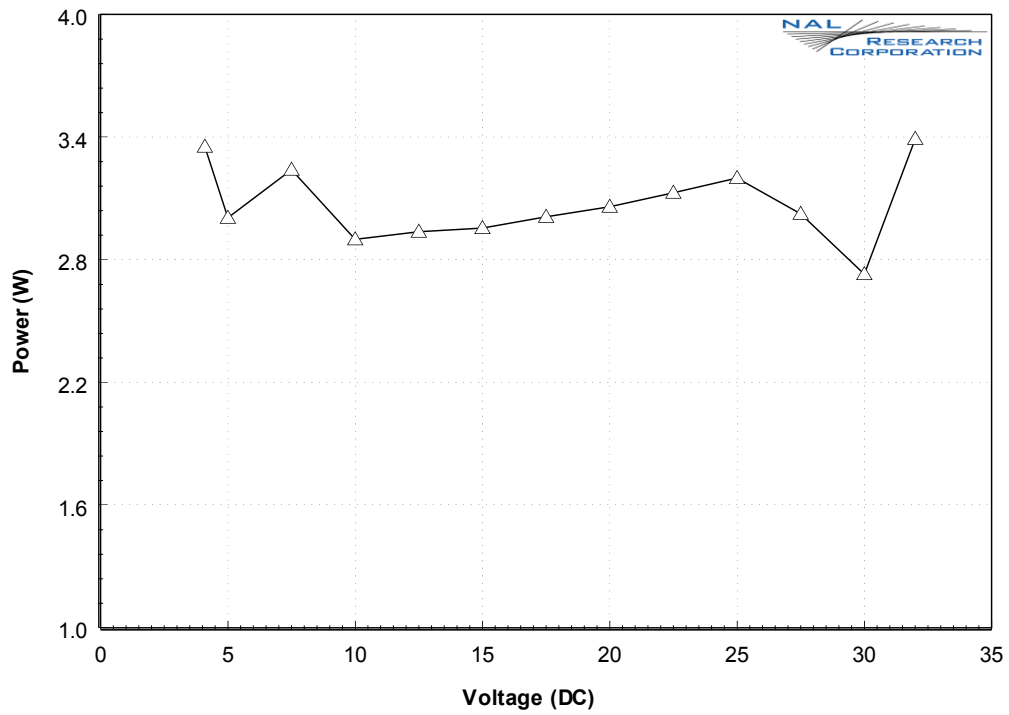
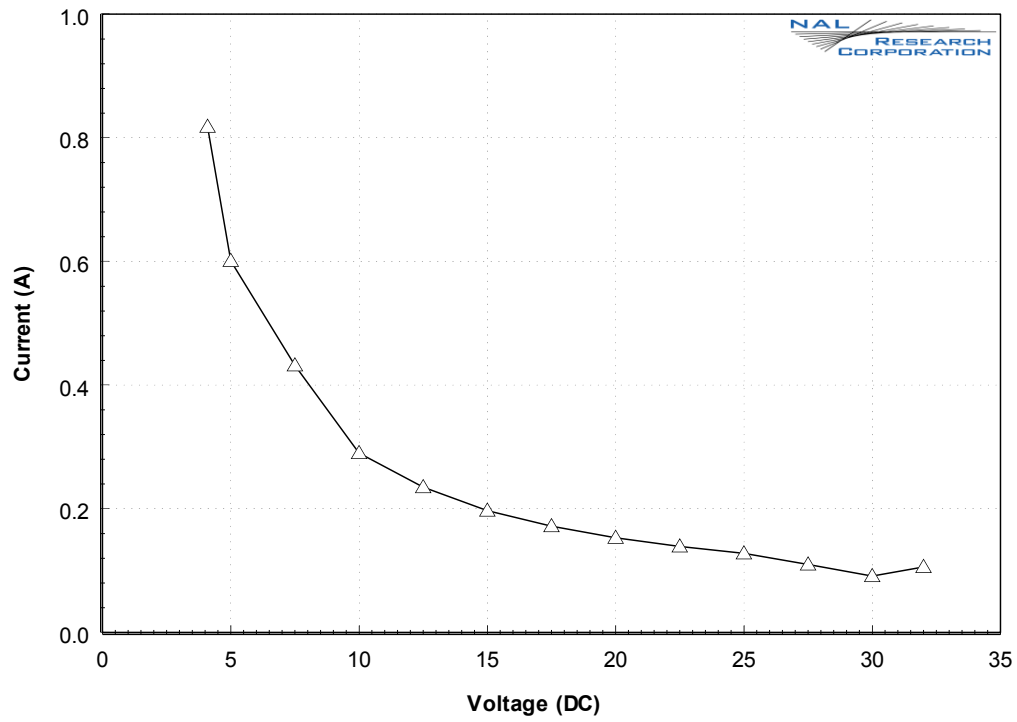
6.2 Power Consumption During Dial-Up (A3LA-XG)



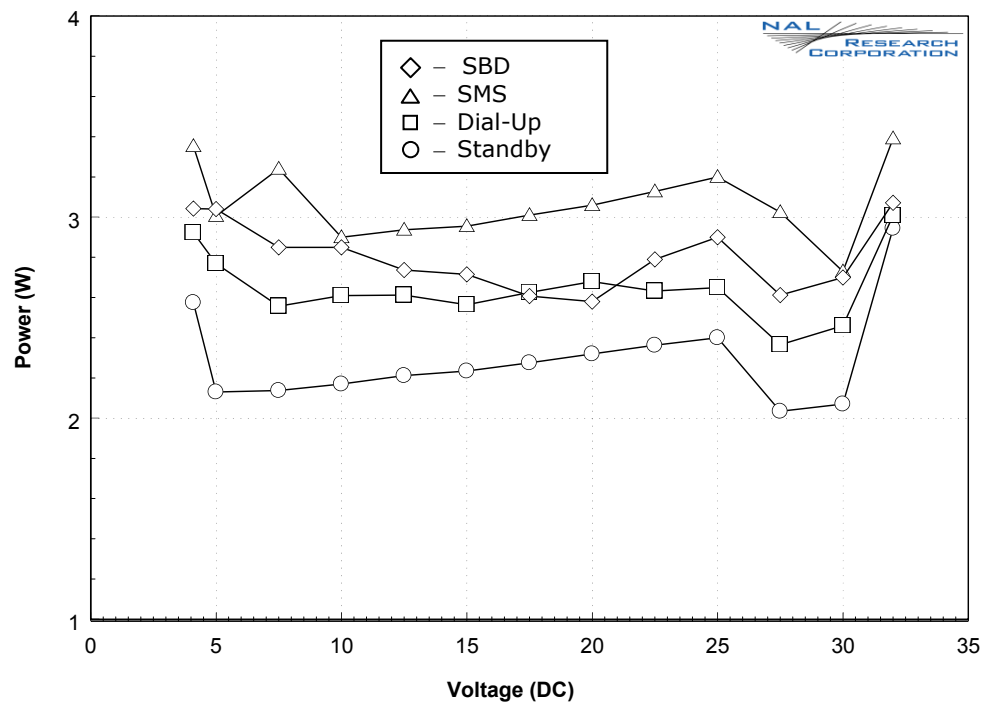
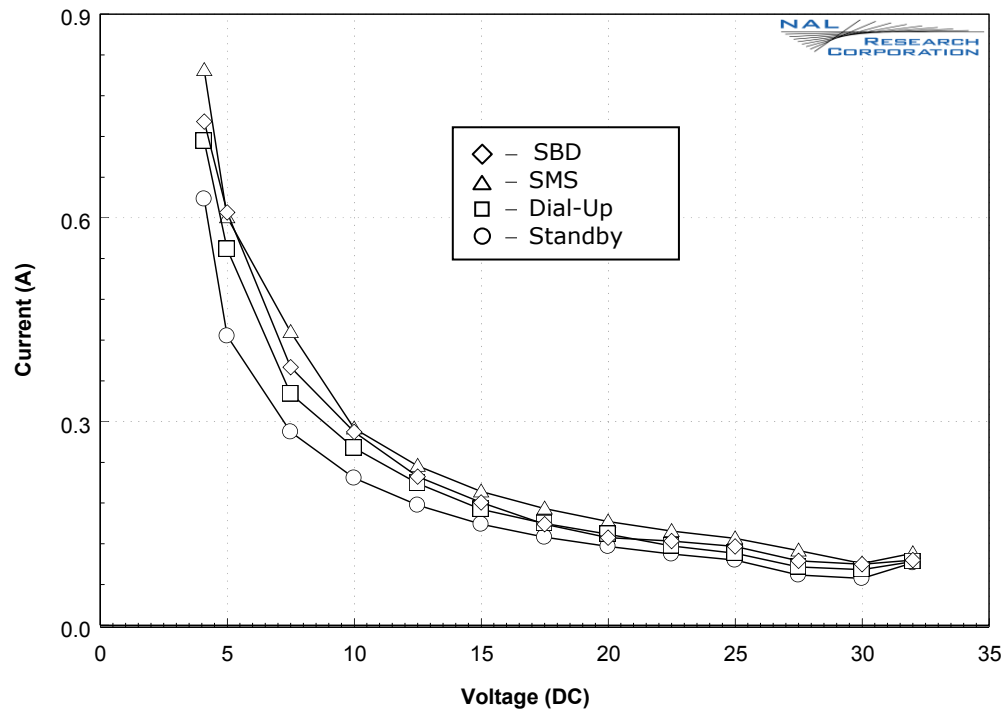
6.3 Power Consumption During SBD (A3LA-XG)



6.4 Power Consumption During SMS (A3LA-XG)

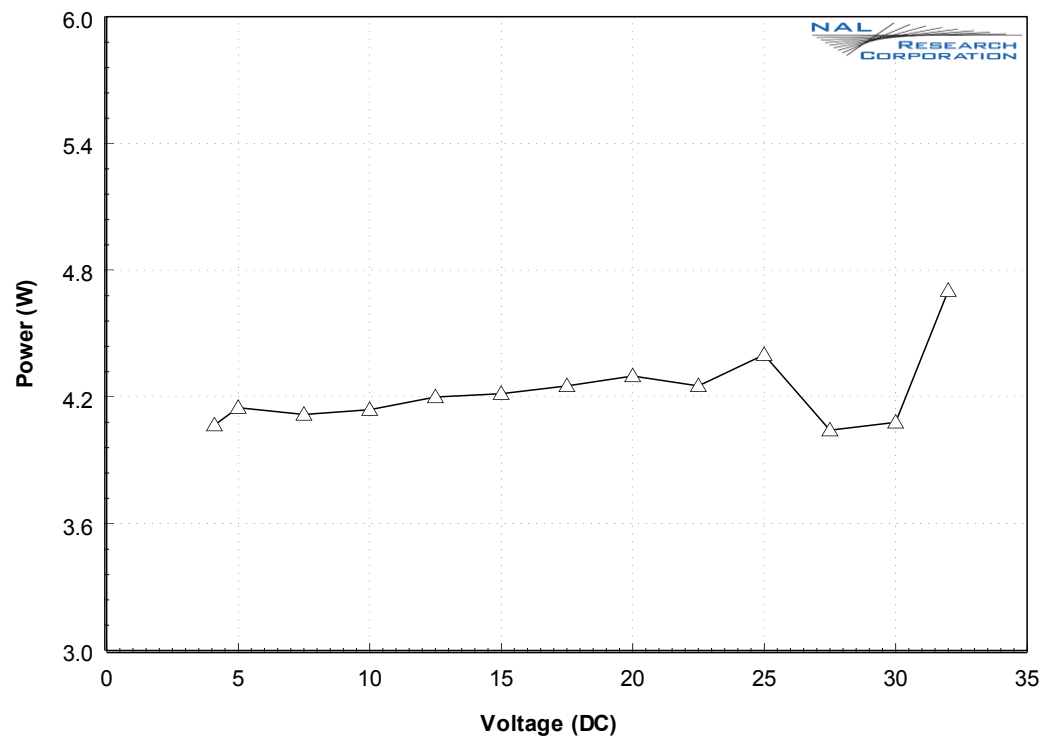
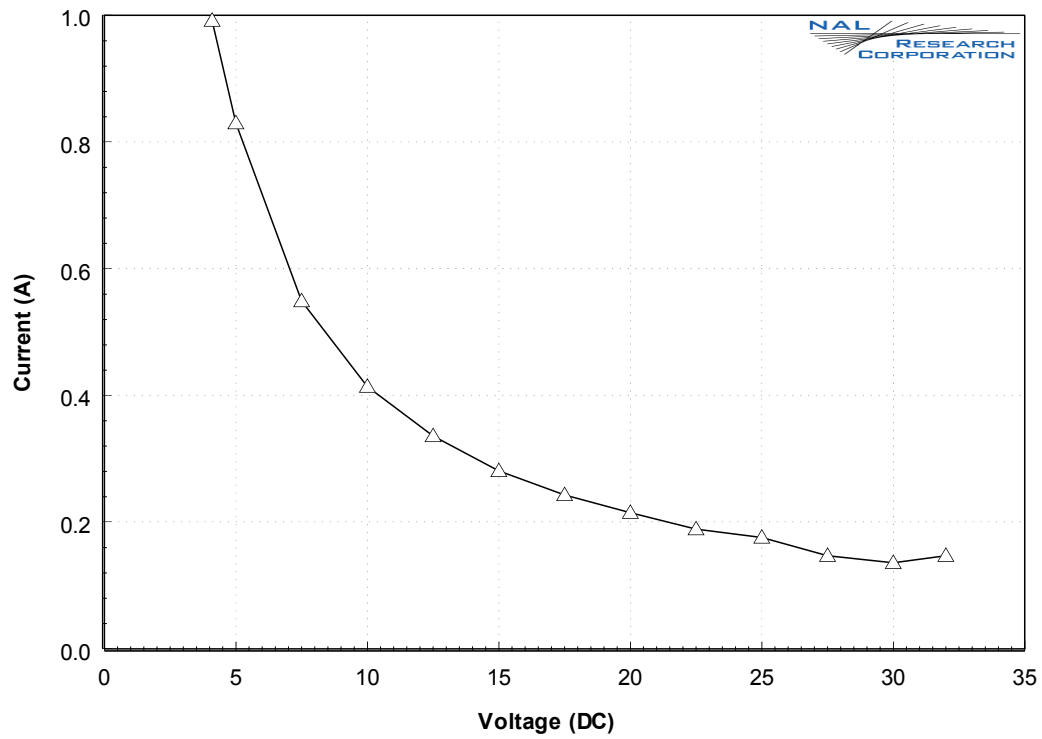


6.5 Power Consumption for All Cases (A3LA-XG)

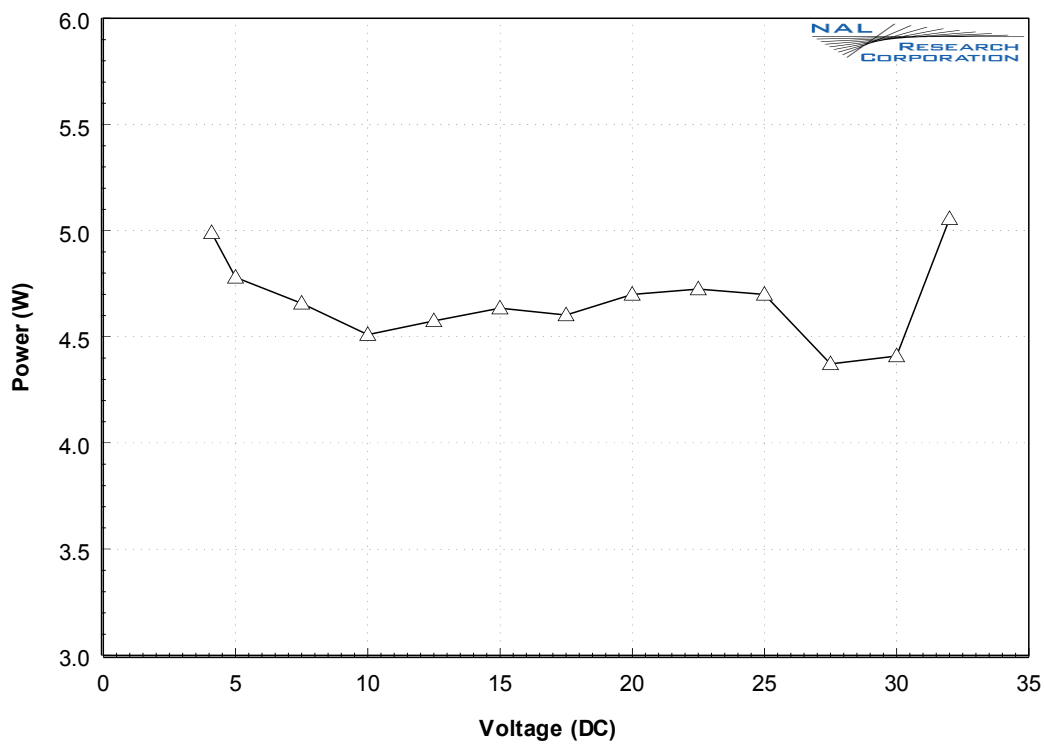
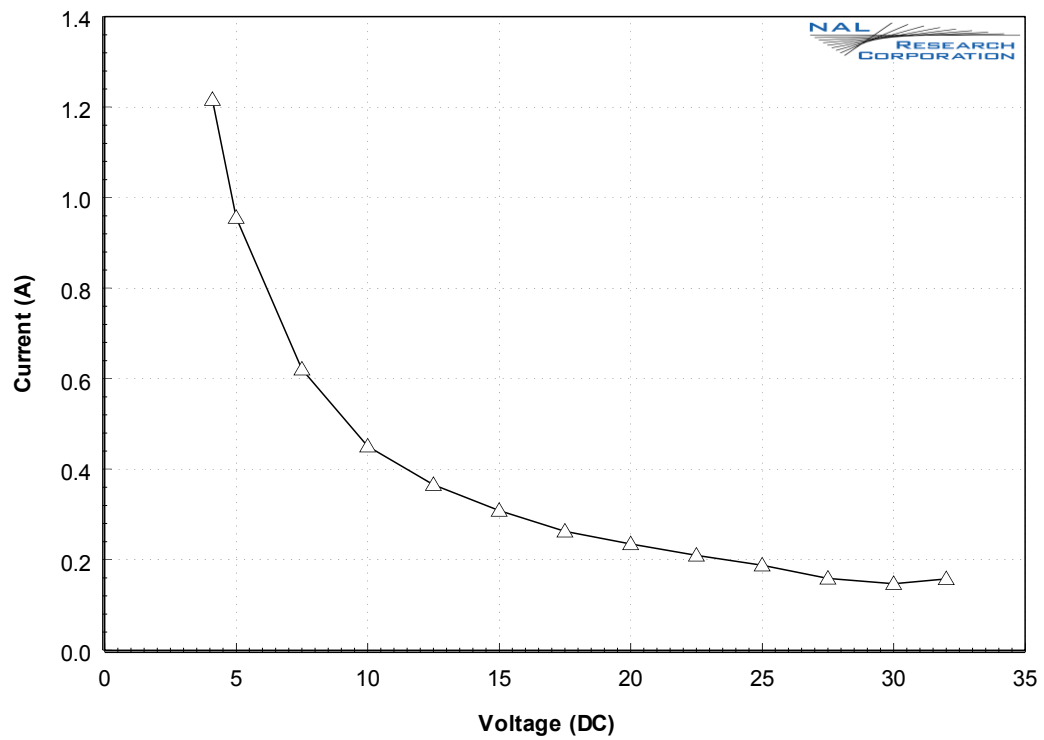


7.0 A3LA-XGP MODEM

7.1 Power Consumption During Standby (A3LA-XGP)

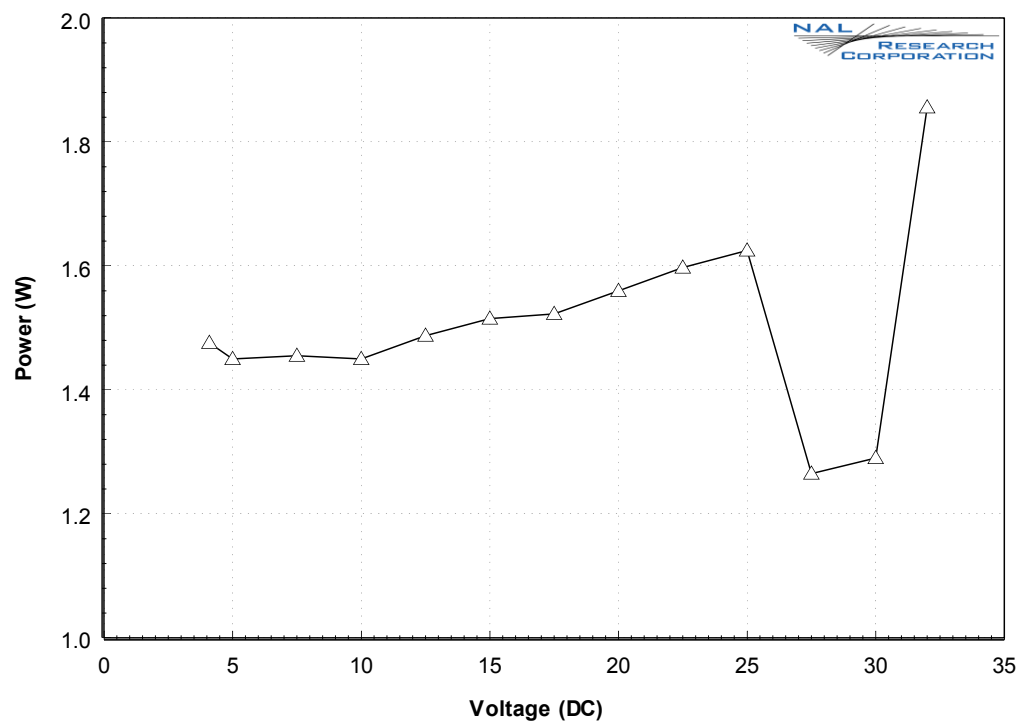
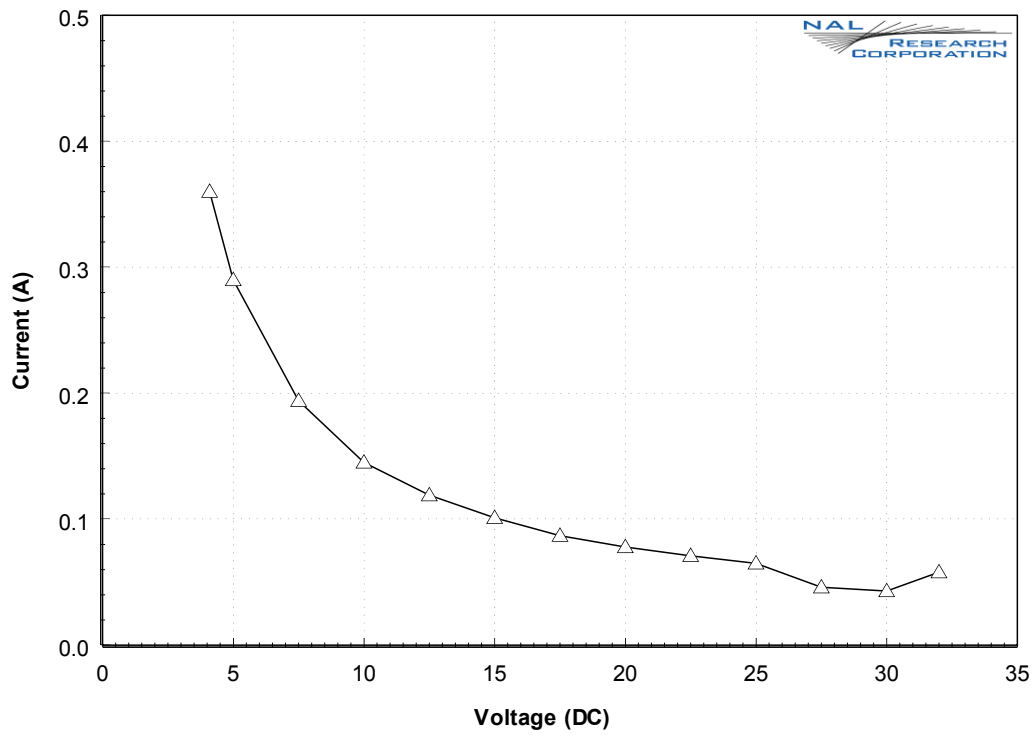


7.2 Power Consumption During Voice Call (A3LA-XGP)

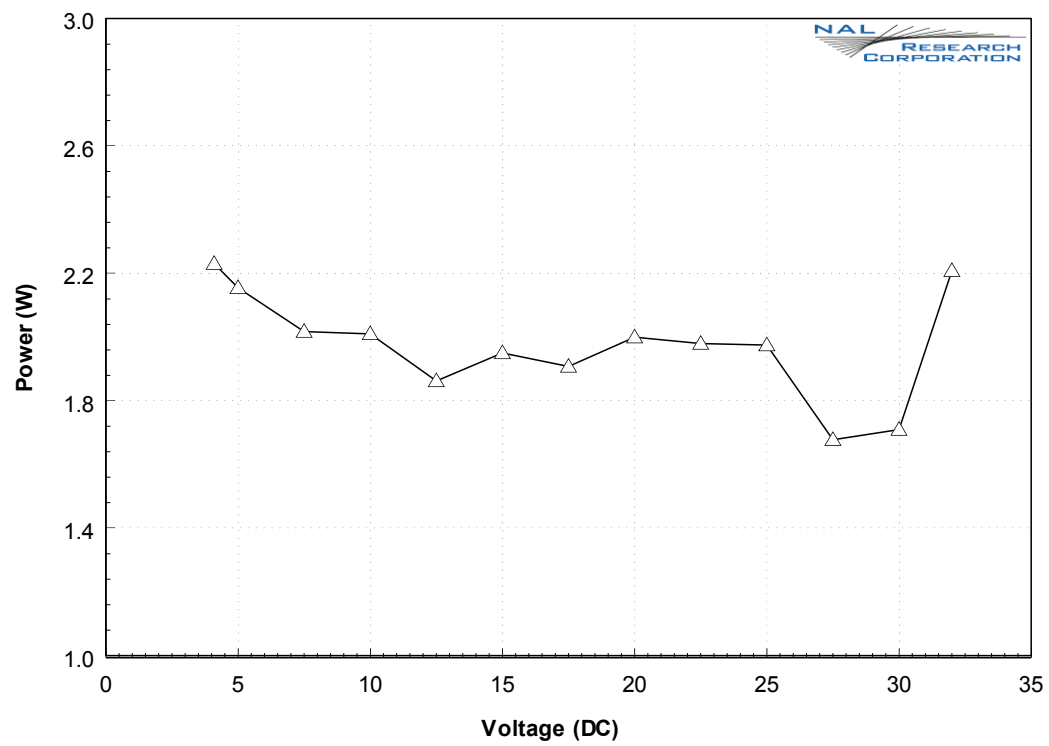
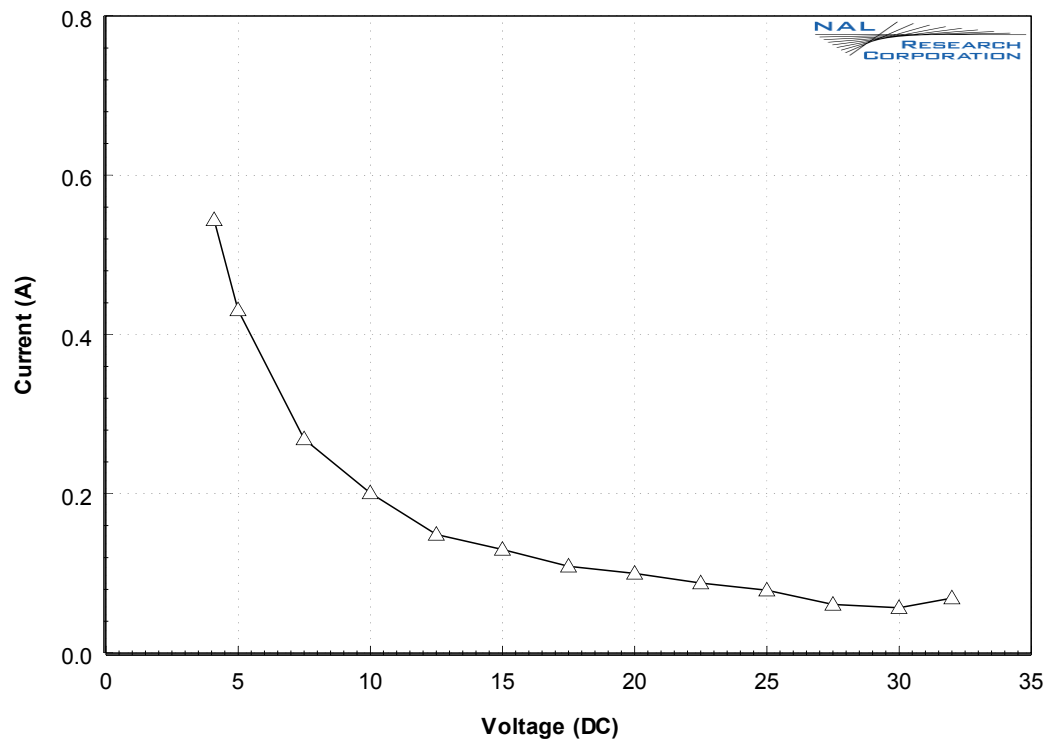


8.0 9522B MODEM

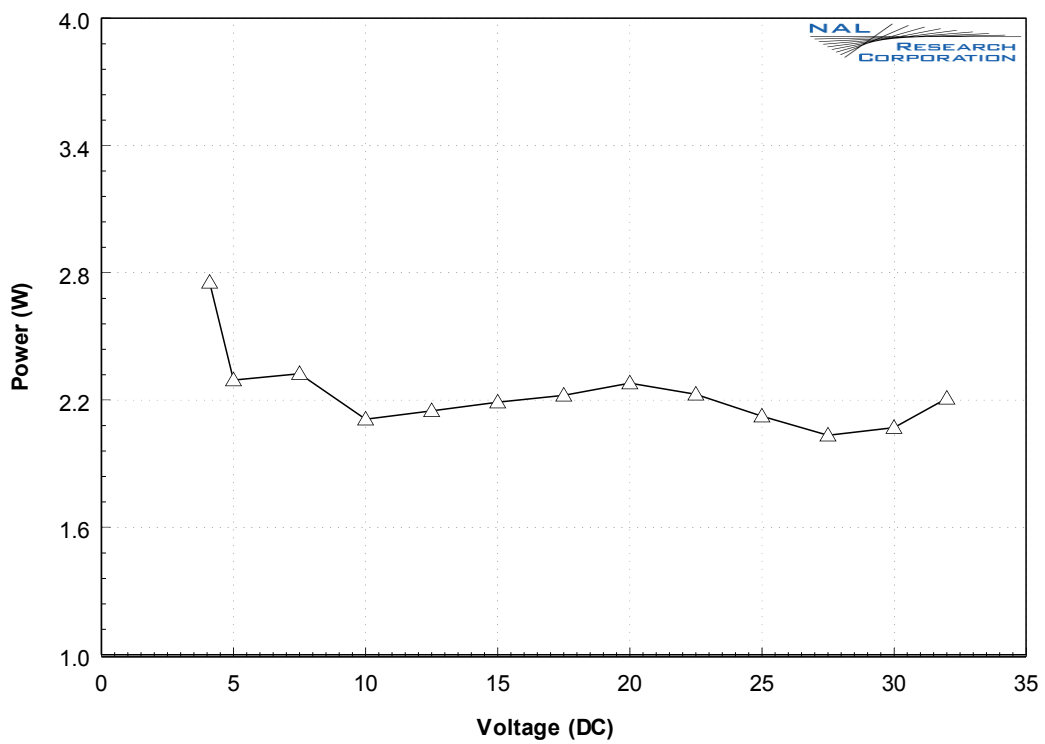
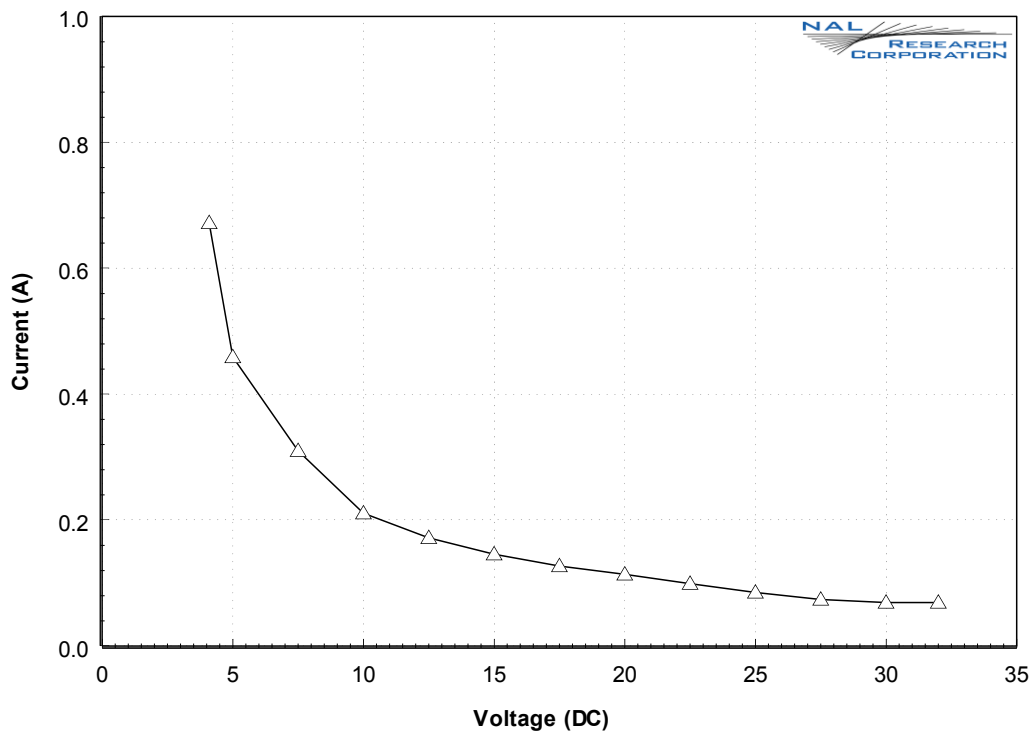
8.1 Power Consumption During Standby (9522B)



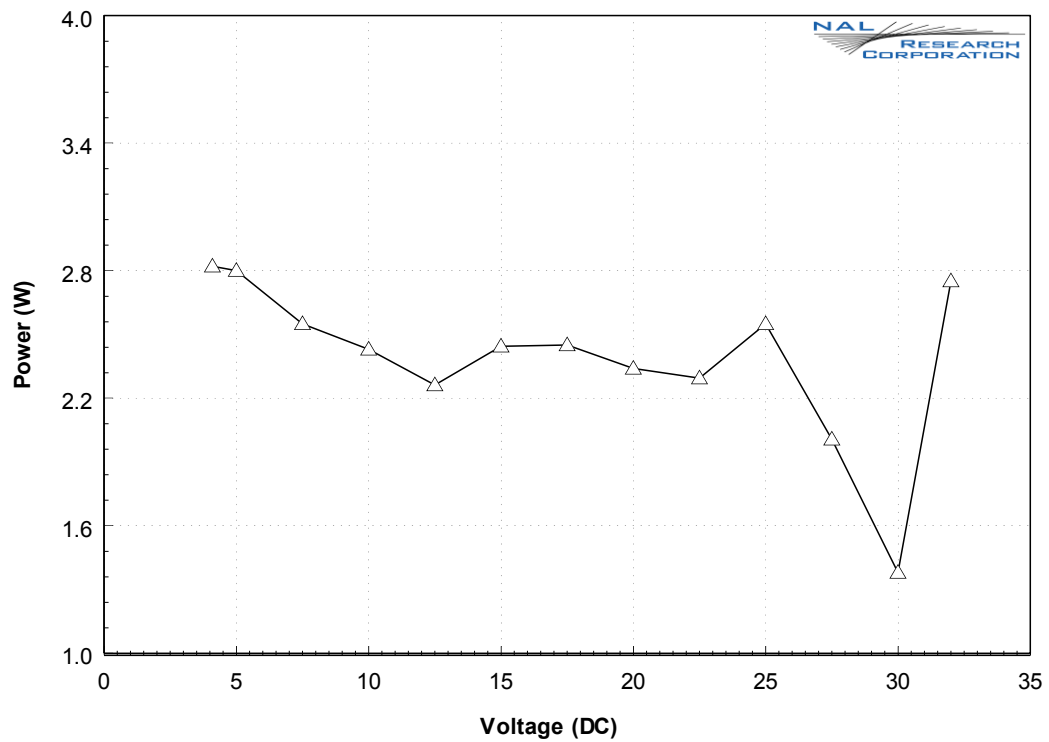
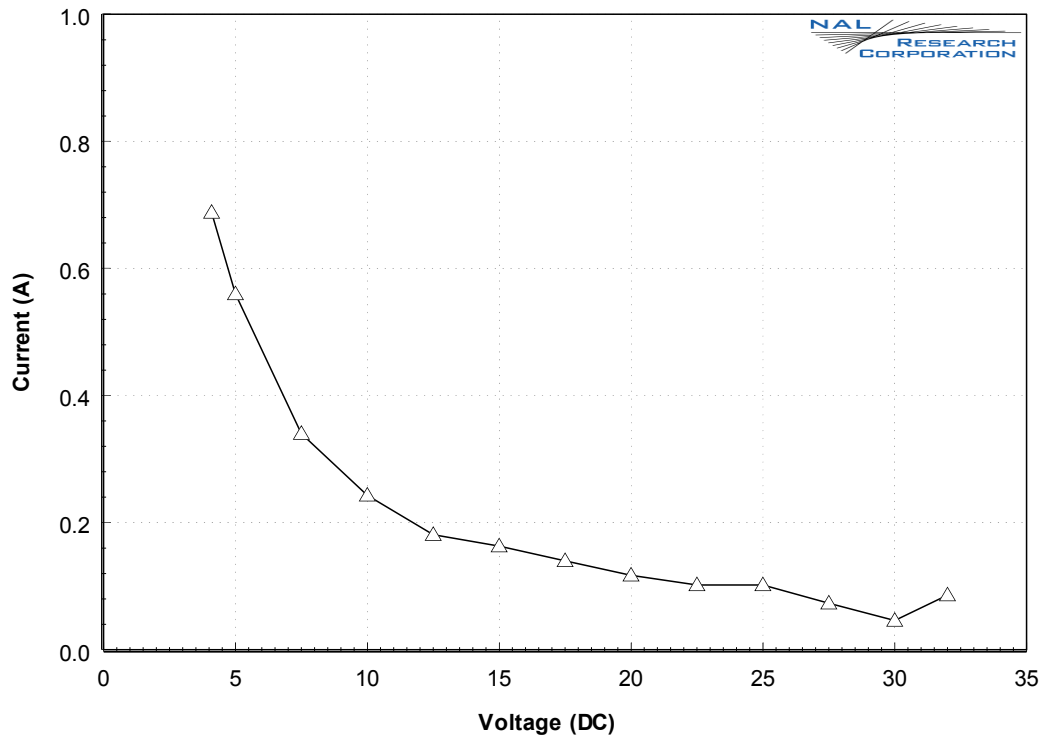
8.2 Power Consumption During Dial-Up (9522B)



8.3 Power Consumption During SBD (9522B)



8.4 Power Consumption During SMS (9522B)



8.5 Power Consumption for All Cases (9522B)

