

APPENDIX B - MOUNT SPECIFIC DATA
For
VERTEX 1.8 SMK-LT
with Switchable C/Ku Feeds

1.2 Mount Model

The software designation for a 1.8 SMK-LT with switchable C/Ku feeds is VA.

The VA version is almost identical to the V8 (1.8 SMK-LT) version with the exception that the user may specify which feed (C or Ku) is currently installed. The software scale factor for the polarization axis changes according to which feed is installed.

2.3.4 Polarization Calibration

Perform calibration for one of the feeds as described in the RC3000 manual. When the second feed is installed care should be taken to have its reference voltage as close to that of the first feed as possible.

3.2.2.8 Settings

The user may define which feed is installed from the SETTINGS screen.

| | |
|-----------------------|----------------|
| 1 - AUTOPEAK: OFF | SETTINGS |
| 2 - AP SIG: SS1 | |
| 3 - FEED: Ku | <0>RESET DRIVE |
| FEED BAND: <0>C <1>Ku | <MODE>MENU |

3.3.1.2 Reset Defaults

The reset defaults for version VA is the same as for V8 other than the default polarization scale factor will that of the Ku feed (41.06 degrees/volt). The polarization scale factor for the C-band feed (when selected) is 37.50 degrees/volt.