



Service & Repair Notes (SRN)



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Bulletin

Technical Information

Government & Enterprise Mobility Solutions - GEMS
1301 E. Algonquin Rd.
Schaumburg, IL. 60196

SRN: S-0180

APC: 509

DATE: Oct 2005

EXPIRES: N/A

SUBJECT: Incorrect power readings from VHF Quantars with High Power Booster installed.

SYSTEMS AFFECTED: System Release 3.1 or 4.1 VHF Quantars with High Power Booster Only installed.

MODEL and OPTIONS AFFECTED:

- T5365A Quantar (VHF)
- CA00052AB High Power Booster Amplifier

SYMPTOMS:

Power level readings displayed in CSS/RSS will be incorrect when a High Power Booster Amplifier is installed on a System Release 3.1 or 4.1 Quantar in the VHF band. Power alignments performed with these incorrect readings may create an overdrive condition. This issue is only observed on the power level reading of the CSS/RSS. An External Wattmeter (Triple Circulator) will show the correct power reading.

CAUSE:

An internal lookup table used to determine the power reading was not updated when the High Power Booster Amplifier option was transferred to the Quantar platform.

WORK AROUND:

To obtain correct power readings, install an in-line wattmeter between the power amplifier and the antenna or RF load. Alternatively add 40W to the reported power value read when using CSS/RSS to obtain the correct value. Systems with External Wattmeters (Triple Circulator) options will not exhibit this issue since the external wattmeter readings will be accurate.

RESOLUTION:

The fix will be contained in a future software release which is currently under development.

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