GNSS Receiver and Antenna Power Compatibilities

492 Beth Bartel March 24, 2010 Testing and Specifications 4747

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Receiver Output Bias Voltages

Antenna Input Range

NOTES: The receiver output voltages were measured directly from the receiver. The antenna input voltages were provided from the manufactures. These values are the nominal operating values and there

is a safety factor built into them. This means the antenna will operate slightly outside the published range but it is not recommended. Example: The Ashtech chokering requiring 5-15V will work with the Ashtech Micro-Z receiver that outputs 4.85V with the antenna as a load.

* The antenna are constant current devices. All have type A amplifiers which means they are always full on. Whatever voltage you put in, you will always have the same amount of current when you multiply to find the power. To calculate power at a different input voltages P=Vinnew*(Iin)

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