

Novatel Response for Correspondence # 32074,

Form 731 EA420698

FCC ID: PKRNVWMCD3000

11/20/2006

Additional Document: Sprint Ovation U720 user's guide.

Question #1

1) Please explain differences between transmit performance for use with one-plug vs. two-plug Y-cable, i.e. voltage/current conditions, data rates, etc

Response :

The modem transmits operates the same whether one or 2 cables attached, it is unaware of the difference. At max power with a single cable it is possible to exceed the 500 mA specification limit of single USB port. If it exceeds it is possible that the laptop or main computer could do one of the following:

1) Limit current going to the device - in this case the voltage 5V supply from USB port would reduce in voltage due to the current limit. If the voltage falls below 3V this could cause the modem to reset. The reset would then shut off the transmitter and put the modem in an initialized state.

2) Remove power from the device. - In this case the power to the USB port would be shut which would shutdown the modem. It would be required to remove and reinsert the modem which would return the modem to an initialized state.

Based on our testing we have not seen a laptop do either of these operations when plugged into a single USB port drawing.

2) If applicable, please submit updated user installation and operating instructions for transmitter used with cable

Response:

See Pages 20 and 88 of the uploaded User's Guide to see discussions on Direct and Cabled connections, as well as 8.5mm safety distance for SAR compliance.