



SPAN-SE Redistributes Power to Pin 4 on Serial Com Port Lines

Summary:

When power is provided to Pin 4 of the SPAN-SE receiver's COM1, COM2, COM4 or OEMV3 com port, the input power will get unintentionally redistributed out onto all other SPAN-SE's serial com port lines on Pin 4. The SPAN-SE COM3 port is not affected.

Product Affected:

SPAN-SE receivers with Rev3 SPPC boards.

Region Affected:

Worldwide

Details:

We have discovered that the SPAN-SE receiver will unintentionally redistribute power input on Pin 4 of the SPAN-SE receiver's COM1, COM2, COM4 or OEMV3 com port to Pin 4 of all serial com ports except for the SPAN-SE's COM3 port. The SPAN-SE COM3 port is not affected.

On a Propak-V3 receiver's COM2 and COM3 ports (COM2 and AUX on the DL-V3), there is a power out line (POUT) that is defaulted to provide power out on Pin 4 of the com port. This feature cannot be turned off on the Propak-V3 receiver, while DL-V3 users can use the COMVOUT to disable it on specified com ports. When a powered com port is connected to the SPAN-SE receiver's COM1, COM2, COM4 or OEMV3 com port, the power input will get redistributed to all SPAN-SE serial com ports except for the COM3 port and this might cause damage to devices that are connected to the affected SPAN-SE serial com ports.

Solution:

1. Prevent power input onto Pin 4 of the SPAN-SE serial com ports.
2. Propak-V3 users should only use COM1 to connect to the SPAN-SE serial com ports.
3. DL-V3 users should use the COMVOUT COM2/AUX OFF command to turn off power supply on its COM2/AUX port.
4. Connect power sensitive serial devices to COM3 port on the SPAN-SE receiver when a powered serial com port is connected to the SPAN-SE's COM1, COM2, COM4 or the OEMV3 com port.

Application Notes:

Not applicable.

Download Updates:

Not applicable.

For more information please contact support@novatel.com.