



American TCB  
6731 Whittier Ave  
McLean, VA 22101

Dec 03, 2009

Regarding NovAtel Inc. Smart Ag Product Variants:

Gentlemen,

The Smart Ag product will be available to NovAtel's customers in 2 variants – both variants include the LMX9830 Bluetooth module that was contained in the product tested by TUV during Oct/Nov 2009.

The differences between variants are:

Enclosure Product No.	Populated PCB Assy No.	Bare PCB Assy No.	Contains BT Module LMX9830	Contains Tilt Sensor	As Tested by TUV
01018300	01018498	17018477	Yes	Yes	No
01018309	01018498	17018477	Yes	Yes	No
01018301	01018477	17018477	Yes	No	Yes
01018495	01018477	17018477	Yes	No	Yes

**Note:** The same unpopulated PCB (NovAtel part 17018477) is used for both variants. The tilt sensor circuitry is not populated on the 01018477 PCB assembly.

The tilt sensor is a digital device connected to a SPI bus within the system, and is the only peripheral device connected to the SPI bus.

With no tilt sensor populated, the SPI bus including clock is idled by the system processor with the effect of reducing emissions related to the operation of the tilt sensor device. There will be no detrimental effect on the Bluetooth radio emissions, immunity or functional performance introduced by removal of the tilt sensor.

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