



WE BRING CYCLING TO LIFE

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DATE: September 29, 2008
TO: Accreditation facility
FROM: Ed Watson
RE: Saris Class II Permissive change
REF: T8P-SL24TT1 | 6459A - SL24TT1

System level description of change:

The RF module design (printed circuit board and components) for all the following model # are identical; PowerTapSL2.4, Pro 300PT-T, PowerBeam and Computer +.

Internally at Saris, The RF module design part number is 17709, design files 17709-SCH, 17709-PCB, 17709-BOM represents the schematic, gerber data files and Bill of Material for the RF module tested. The same RF module has always resided in both models and has not changed since the release in 2007.

The RF module consists of a Nordic transceiver RFIC (nRF2401) and an MSP430 microcontroller (F1232) and all the supporting passive components as well as a pcb trace antenna. Absolutely no changes to any of the hardware or firmware contained in RF module, the RF module is a proprietary ANT™ technology and has always been well equipped for up to three independent channels and 125 selectable RF frequencies in 1 MHz steps between 2.400 GHz and 2.524 GHz and bi-directional communication.

The host microcontroller firmware, which can only be modified by Saris, can configure the RF module channels and frequencies through a set of commands which determine the operating state of the RF module.

Upon the initial release in 2007, Saris did not envision using multiple channels, frequencies or bi-directional communication and as such applied for very narrow scope to the Grant which matched the exact single channel, single frequency function configured by the host microcontroller, which is currently in the market today.

Since then a growing trend in our industry called ANT+Sport has developed, causing Saris to change the host microcontroller firmware to follow the market trend and utilizing more built-in features of the RF module. Saris is looking forward to deploying the new host firmware, upon approval to this change request if granted.

Respectfully,

Ed Watson