

Re: Monitron

FCC ID: V88-TRX876

Date: January 5, 2010

From: Chris Harvey

There is one response regarding the Modular Shielding requirement that may trigger an unwanted condition.

They have indicated that the device is not shielded but they do not need the shield. The FCC is clear that each module must contain shielding or each configuration must be tested for emissions to ensure that there is no RF Coupling:

<http://fjallfoss.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?id=20242&switch=P>

Also from the original Modular Public Notice:

1. The modular transmitter must have its own RF shielding. This is intended to ensure that the module does not have to rely upon the shielding provided by the device into which it is installed in order for all modular transmitter emissions to comply with Part 15 limits. It is also intended to prevent coupling between the RF circuitry of the module and any wires or circuits in the device into which the module is installed. Such coupling may result in non-compliant operation.

If they proceed without shielding on the module then this can only be approved as a Limited Modular Approval, requiring OEM installation and compliance testing in each configuration to ensure that the lack of shielding does not cause non-compliance in the fundamental and spurious emissions.

Please confirm that adding this condition to the grant is acceptable.

"This is an OEM transmitter module that operates with a Source-Based Time-Averaged duty cycle of 7%. Compliance of spurious emissions requirements shall be determined for each host configuration utilizing this unshielded module."

[Document has been provided to detail the RF shielding.](#)

[Response by: John Erhard](#)

[Date: 1/11/2010](#)

[Submitted by: Karen Springer](#)