



**LMA Request**  
**Attention Director of Certification for FCC:**

Low Cost 2.4 GHz Transmitter	Version: 1.0
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## Revision History

<b>Date</b>	<b>Version</b>	<b>Description</b>	<b>Author</b>
9/1/2010	1.0	Original.	Chris S. Russell

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**Traxxas hereby requests Limited Modular Approval for the product identified by  
FCC ID: XVE-SA09218, based on the following.**

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## 1. Buffered Data Inputs

In compliance with FCC part 15, the Cypress CYRF6936/7936 provides buffering on the data inputs.

There is no RF shielding provided. This unit only transmits during the bind and link phase, at start up, and the transmit level is at -45dbm. These units are only used in Traxxas products, and are not distributed to other manufacturers.

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## 2. RF Shielding

These modules do not have shielding.

These modules are used only in Traxxas equipment, and Traxxas has control over the installation.

These modules are not for resale, and are not made available to any customers.

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### 3. Power Supply

It is required that Traxxas LLP place the text below in the product user guide along with all other pertinent regulatory information.

**Note: This is a battery operated device.**

We are only using the module on our own main board, and there is sufficient filtering on the module for the 3.3v supply from the main board. The radio module itself does not have a power supply; the power is supplied by the main CPU board.

The requirements for FCC Limited Modular Approval were released in **March 2009** in the FCC's Public Notice: FCC Public Notice **DA-08-672**, Part 15 Unlicensed Modular Transmitter Approvals.

#### Design Criteria for Modular Approval

General Conditions:

The following conditions must be strictly adhered to for modular approval:

- 1. No modification to the module including the circuitry is permitted.**
- 2. Design criteria to include antenna, interconnects, and local oscillator.**
- 3. Testing of the final device configuration for Digital Emissions Compliance**

The Spectrum 2.4GHz, RX RF Daughter Board Module may not be altered or modified in any manner by the OEM or other entity. Additionally, no component may be added which could change the radio frequency (RF) characteristics. These include, but are not limited to unintentional or spurious emissions, immunity, ESD characteristics, or other items commonly associated with RF devices. This includes all components; passive and active. Additionally, no RF components may be placed between the RF output of the module and the antenna.

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#### **4. Antenna**

The antenna is connected via either a micro SMA connector, or soldered antenna connection and has been approved through third party certification.



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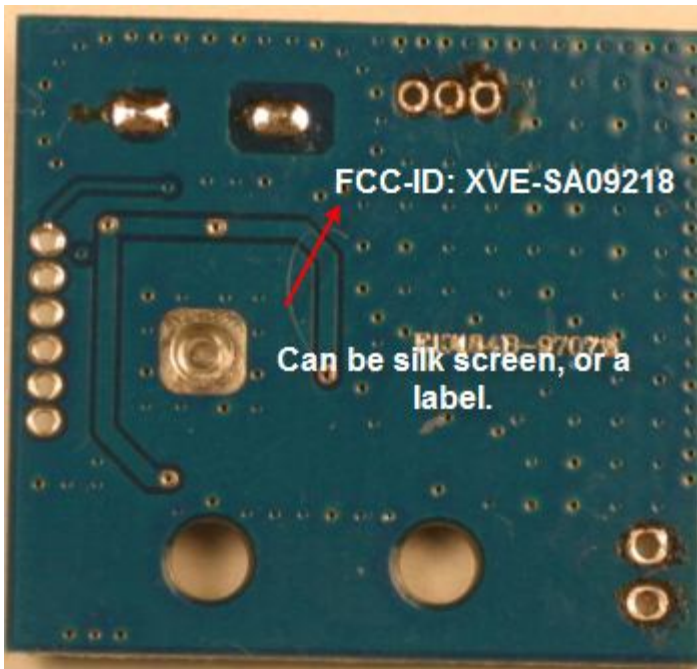
## 5. Certification Testing

The modular RF unit was tested in a stand-alone configuration by a third party certification company.

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## 6. FCC ID

The FCC ID label is located on the bottom side of the module, and the FCC-ID is: XVE-SA09218.



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## 7. Instructions

The instructions for the installation of the RF module are published in the Users Manual.

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## 8. Modular Approval


Traxxas is responsible for testing the end product for all emissions.

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## 9. RF Exposure Warning

There is an RF exposure warning published in the Users Manual.

Dated this 9<sup>th</sup> Day of Nov. 20 10

By:  Gary M. Dewitt  
Signature Printed

Title: Director EE

On behalf of : Traxxas

Telephone: 972-265-8000

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