



Artimi Ltd
Betjeman House,
104 Hills Road,
Cambridge,
CB2 1LQ
United Kingdom

Tel: +44 (0) 1223 464 464
Fax: +44 (0) 1223 461 337

Website: www.artimi.com

Artimi Inc.
2105 Landings Drive
Mountain View
CA 94043
USA

Tel: +1 (650) 938 9650
Fax: +1 (650) 887 2252

**Chief, Authorizations Branch
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046**

June 26, 2008

RE: Request for unlicensed Modular Transmitter Approval.

Reference FCC 07-56A1 47 CFR 15.212

To Whom It May Concern:

Artimi Ltd hereby requests FCC Equipment Authorization as a singular Modular Transmitter of the Artimi RDK Model A-150 Adaptor Host Wire Proxy Module, FCC ID: S8S-A-150-PCBA027. Artimi intend to manufacture this device and market it under several brand name and brand I.D.s as a computer accessory, it is not intended to be built into an item of equipment. This letter addresses the information required by (a)(1) through to (a)(8) of 47 CFR 15.212.

(a)(1) The Modular transmitter must have its own RF shielding:

This transmitter is designed to operate stand-alone in its own enclosure connected to industry standard USB interfaces. All shielding necessary for normal operation is provided by the multi-layer layout of printed circuit board which is constructed with multiple ground layers. Although the printed circuit board layout has provision for an additional metal shielding, no such shielding is incorporated as this may only be needed if the module were built into another unit where RF coupling may need to be minimized.

(a)(2) The Modular transmitter must have buffered modulation or data inputs:

The Artimi RDK A-150 Adaptor Host Wire Proxy Module uses the industry standard USB 2.0 interface for data and the interface is implemented within the ISP1761 integrated circuit as per page five of the schematic diagram included in the filing for FCC equipment Authorization. The USB interface limits the data rate to those defined by the USB standard.

(a)(3) The Modular transmitter must have its own power supply regulation:

The Artimi RDK A-150 Adaptor Host Wire Proxy Module is powered from an industry standard USB interface of a host PC. This provides 5V source which is then regulated on the module to generate four power domains (+3.3V, +1.8V, +1.65V and +1.2V) that are required by the module. The power regulation circuitry may be seen on page three of the schematic diagram included in the filing for FCC equipment Authorization.

(a)(4) The Modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c):

The Artimi RDK A-150 Adaptor Host Wire Proxy Module uses a surface mount UWB antenna device soldered onto the printed circuit board.

(a)(5) The Modular transmitter must be tested in a stand-alone configuration:

As described in section 2.5.4 of the test report included in the filing for FCC Equipment Authorization, the Artimi RDK A-150 Adaptor Host Wire Proxy Module was powered up by from an industry standard USB interface of a host PC and tested without a plastic housing.

(a)(6) The Modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying FCC identification number :

The FCC identifier will be placed onto the plastic enclosure of the Artimi RDK A-150 Adaptor Host Wire Proxy Module. An example of the label is included in the filing for FCC equipment Authorization.

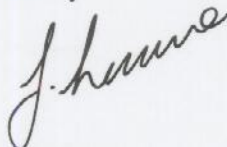
(a)(7) The Modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter:

FCC part 15.519 (a)(1) , Technical requirements for hand held UWB systems, requires that a UWB device shall transmit only when it is sending information to an associated receiver and the UWB intentional radiator shall cease transmission within 10 seconds unless it receives an acknowledgment from the associated receiver that its transmission is being received. It also requires that an acknowledgment of reception must continue to be received by the UWB intentional radiator at least every 10 seconds or the UWB device must cease transmitting. The Artimi RDK A-150 Adaptor Host Wire Proxy Module meets this requirement and is implemented in the firmware.

(a)(8) The Modular transmitter must comply with any applicable RF Exposure requirements:

There are no RF immunity requirements for hand-held UWB devices under subpart F of the FCC Rules and Regulations.

Yours sincerely



Jeremy Loraine
Vice President Engineering

Tel: +44 (0)1223 464464

Fax: +44 (0)1223 461337

Website: www.artimi.com