

FCC Limited Modular Approval declaration for E16STXUS1 transmitting module

This declaration is for FCC ID: OQA-E16STXUS1.

1 Requirements in Section 15.212(a) rules

n°	Requirement
1	The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly; (The shielding design must fully enfold the RF circuitry - that includes shielding the top, all sides and the bottom. The bottom may be a shielding ground plane and must be expressly designed as an effective shield made of materials such as sheet metal, metal mesh, or a metallic ink coated material)
	Compliance: TOP: 2 metallic shield mounted on PCB cover major RF Components. BOTTOM: ground plane (copper) on PCB
2	The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal
	Compliance: The module generates its own modulation data based on parallel inputs. The module has a data buffer before the parallel to serial conversion. Parallel to serial conversion is clocked internally.
3	The module must contain power supply regulation on the module.
	Compliance: Yes
4	The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)l
	Compliance: Yes, integrated antenna soldered to PCB
5	The module must demonstrate compliance in a stand-alone configuration.
	Compliance: Yes, see Test Report by Nemko Canada.

n°	Requirement
6	The module must be labelled with its permanently affixed FCC ID label.
	Compliance: The modular use a permanently affixed label with its own FCC identification number and the Autec end products that contains this modular will have a permanently affixed label stating "Contains FCC ID: OQA-E16STXUS1" (see labels files).
7	The module must comply with all specific rules applicable to the transmitter. The grantee must provide comprehensive instructions to explain compliance requirements.
	Compliance: See related file
8	The module must comply with RF exposure requirements. For any transmitters intended for use in portable devices, SAR compliance must be demonstrated to be independent of the host device.
	Compliance: Very low power device (<1 mW)

2 Use or integration instructions

Autec maintains control of the assembly of the E61STXUS1 modules into the its transmitting units.

It is forbidden any other type of use or installation by anyone.

Dated this 31th of March, 2011

By:



Name:

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Title:

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On behalf of:



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