

March 29, 2018

FCC ID: 2AB8BSTS170RADIO

AirNetix, LLC hereby requests Limited Single-Modular Approval for the STS-170-RADIO for use in **AirNetix-only** host devices. The product will not be sold to the general OEM market for integration in other hosts.

The STS-170-RADIO fully complies with all the requirements for Limited Single-modular approval as stated in KDB 996369 D01 Module Equip Auth Guide v02 10-23-2015. DC power regulation is contained on both the STS-170-RADIO and the AirNetix host device.

LIMITED MODULAR APPROVAL LETTER

Modular Approval Requirement	Yes	No
(i) The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.	x	
(ii) The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.	x	
(iii) The modular transmitter must have its own power supply regulation.		x
<i>Note: The module is fed a regulated DC voltage from the host. This regulated DC voltage powers the Front-End Module. A second regulator resides on the module to further regulate the DC voltage used by the transceiver chip.</i>		
(iv) The modular transmitter must comply with the antenna and transmission system requirements of §§ 15.203, 15.204(b) and 15.204(c). The antenna must either be permanently attached or employ a "unique" antenna coupler (at all connections between the	x	

AIRNETIX, LLC

INNOVATIONS IN WIRELESS TECHNOLOGY

2218 Edgertown Lane SE, Smyrna, GA 30080 - 678-677-4961 - www.airnetix.com

module and the antenna, including the cable). The "professional installation" provision of § 15.203 is not applicable to modules but can apply to limited modular approvals under paragraph (b) of this section.		
(v) The modular transmitter must be tested in a stand-alone configuration	x	
(vi) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	x	
(vii) The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.	x	
(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	x	

Thank you,



Mike Hooper, President
AirNetix, LLC