Compliance list INTEGRATION INSTRUCTIONS for 996369 D03 OEM the and 996369 D03 OEM by Sections 2.2 through 2.10.

Sections 2.2 through 2.10.			1
Requirement	Yes	N/A	Comment
2.2 List of applicable FCC rules	YES		Refer to instruction
List the FCC rules that are applicable to the			
modular transmitter. These are the rules that			FCC standards: FCC CFR Title 47 Part 15 Subpart
specifically establish the bands of operation,			C Section 15.247
the power, spurious emissions, and operating			
fundamental frequencies. DO NOT list			
compliance to unintentional-radiator rules			
(Part 15 Subpart B) since that is not a			
condition of a module grant that is extended			
to a host manufacturer. See also Section 2.10			
below concerning the need to notify host			
manufacturers that further testing is			
required. ₃			
2.3 Summarize the specific operational use	YES		Refer to instruction
conditions			
Describe use conditions that are applicable to			
the modular transmitter, including for			Trace antenna Antenna gain 2.0dBi
example any limits on antennas, etc. For			
example, if point-to-point antennas are used			
that require reduction in power or			
compensation for cable loss, then this			
information must be in the instructions. If the			
use condition limitations extend to			
professional users, then instructions must			
state that this information also extends to the			
host manufacturer's instruction manual. In			
addition, certain information may also be			
needed, such as peak gain per frequency band			
and minimum gain, specifically for master			
devices in 5 GHz DFS bands.			
2.4 Limited module procedures	YES		Refer to instruction
If a modular transmitter is approved as a			
"limited module," then the module			We will retain control over the final installation
manufacturer is responsible for approving the			of the modular such that compliance of the end
host environment that the limited module is			product is assured. In such cases, an operating
used with. The manufacturer of a limited			condition on the limit modular approval for the
module must describe, both in the filing and in			module must be only approved for use when
the installation instructions, the alternative			installed in devices produced by a specific
means that the limited module manufacturer			manufacturer. If any hardware modify or RF
uses to verify that the host meets the			control software modify will be made by host
necessary requirements to satisfy the module			manufacturer,C2PC or new certificate should be
limiting conditions.			apply to get approval, if those change and
A limited module manufacturer has the			modification made by host manufacturer not
flexibility to define its alternative method to			expressly approved by the party responsible for
address the conditions that limit the initial			compliance ,then it is illegal.

 approval, such as: shielding, minimum signaling amplitude, buffered modulation/data inputs, or power supply regulation. The alternative method could include that the limited module manufacturer reviews detailed test data or host designs prior to giving the host manufacturer approval. This limited module procedure is also applicable for RF exposure evaluation when it is necessary to demonstrate compliance in a specific host. The module manufacturer must state how control of the product into which the modular transmitter will be installed will be maintained such that full compliance of the product is always ensured. For additional hosts other than the specific host originally granted with a limited module, a Class II permissive change is required on the module grant to register the additional host as a specific host also approved with the module. 2.5 Trace antenna designs For a modular transmitter with trace antenna designs, see the guidance in Question 11 of KDB Publication 996369 D02 FAQ – Modules for Micro-Strip Antennas and traces. The integration information shall include for the TCB review the integration instructions for the following aspects: layout of trace design, parts list (BOM), antenna, connectors, and isolation requirements 4 	YES	FPC antenna specification You can see antenna size is 32mm*11.3mm* From below Specification.
product is always ensured. For additional hosts other than the specific host originally		
permissive change is required on the module grant to register the additional host as a		
2.5 Trace antenna designs For a modular transmitter with trace antenna designs, see the guidance in Question 11 of KDB Publication 996369 D02 FAQ – Modules for Micro-Strip Antennas and traces. The integration information shall include for the TCB review the integration instructions for the following aspects: layout of trace design, parts	YES	You can see antenna size is 32mm*11.3mm* From below Specification.
different type (e.g., antenna length in multiple(s) of frequency, the wavelength, and antenna shape (traces in phase) can affect antenna gain and must be considered);		Scrape a GND off the side of the RF1 and connect the FPC antenna to the PCB at the position of the RF line RF1 (The line between the FPC antenna and the WiFi module) must be 50 ohm.
c) The parameters shall be provided in a manner permitting host manufacturers to		
design the printed circuit (PC) board layout;		

and specifications.		
and specifications; e) Test procedures for design verification; and f) Production test procedures for ensuring compliance. The module grantee shall provide a notice that any deviation(s) from the defined parameters of the antenna trace, as described by the instructions, require that the host product manufacturer must notify the module grantee that they wish to change the antenna trace design. In this case, a Class II permissive change application is required to be filed by the grantee, or the host manufacturer can take responsibility through the change in FCC ID (new application) procedure followed by a Class II permissive change application.		C0 0 ohm C1 0 ohm
2.6 RF exposure considerations It is essential for module grantees to clearly and explicitly state the RF exposure conditions that permit a host product manufacturer to use the module. Two types of instructions are required for RF exposure information: (1) to the host product manufacturer, to define the application conditions (mobile, portable – xx cm from a person's body); and (2) additional text needed for the host product manufacturer to provide to end users in their end-product manuals. If RF exposure statements and use conditions are not provided, then the host product manufacturer is required to take responsibility of the module through a change in FCC ID (new application).	YES	Refer to instruction The modular can be installed or integrated in mobile or fix devices only. This modular cannot be installed in any portable device if without further certify such as C2PC with SAR. This modular complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co- located or operating in conjunction with any other antenna or transmitter. This modular must be installed and operated with a minimum distance of 20 cm between the radiator and user body.
2.7 Antennas A list of antennas included in the application for certification must be provided in the instructions. For modular transmitters approved as limited modules, all applicable professional installer instructions must be included as part of the information to the host product manufacturer. The antenna list shall also identify the antenna types (monopole, PIFA, dipole, etc. (note that for example an "omni-directional antenna" is not considered	YES	Refer to instruction Trace antenna Antenna gain 2.0dBi

to be a specific "antenna type")). For situations where the host product manufacturer is responsible for an external connector, for example with an RF pin and antenna trace design, the integration instructions shall inform the installer that unique antenna connector must be used on the Part 15 authorized transmitters used in the host product. The module manufacturers shall provide a list of acceptable unique connectors. 2.8 Label and compliance information Grantees are responsible for the continued compliance of their modules to the FCC rules. This includes advising host product manufacturers that they need to provide a physical or e-label stating "Contains FCC ID" 4.8 Efer to instruction If the FCC identification number is not visible when the module is installed must also display a label referring to the encised module. This extender label can use wording such as the following: "Contains Transmitter Module FCC ID: 2AATL-H15SE-U Or Contains FCC ID: 2AATL-H15SE-U 2.9 Information on test modes and additional testing requirementss Additional guidance for testing host products is given in KDB Publication 996.669 D04 Module Integration Guide. Test modes should take into consideration different operational conditions for a stand-alone modular transmitter in a host, as well as for multiple simultaneously transmitting modules or other transmitters in a host. Grantees exhould provide information on how to configure test modes for host product the stand-alone modular transmitter in a host, versus with multiple, simultaneously transmitting modules or other transmitters in a host. Grantees can increase the utility of their modular transmitters by providing special means, modes, or instruction that a indule as installed in a host complies with FCC requirements. 2.10 Additional testing, Part 15 Subpart B YES PES			
Grantees are responsible for the continued compliance of their modules to the FCC rules. This includes advising host product manufacturers that they need to provide a physical or e-label stating "Contains FCC ID" with their finished product. See Guidelines for Labeling and User Information for RF Devices- KDB Publication 784748.If the FCC identification number is not visible when the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains FCC ID" which their finished product. See Guidelines for Labeling and User Information for RF Devices- KDB Publication 784748.YESRefer to instruction2.9 Information on test modes and additional given in KDB Publication 996369 D04 Module Integration Guide. Test modes should take into consideration different operational conditions for a stand-alone modular transmitter in a host, as well as for multiple simultaneously transmitting modules or other transmitters in a host.YESRefer to instructionAny company of the host device which install this modular transmitter in a host, versus with multiple, simultaneously transmitting modules or other transmitters in a host. Grantees can increase the utility of their modular transmitter in a host, versus with multiple, simultaneously transmitting modules or other transmitters in a host. Grantees can increase the utility of heir modular transmitter by providing special means, modes, or instructions that simulates or characterizes a connection by enabling a transmiting modules or other transmitters in a host. Grantees can increase the utility of heir modular transmitter by providing special means, modes, or instructions that simulates or characterizes a connection by enabling a transmiting modules	For situations where the host product manufacturer is responsible for an external connector, for example with an RF pin and antenna trace design, the integration instructions shall inform the installer that unique antenna connector must be used on the Part 15 authorized transmitters used in the host product. The module manufacturers shall provide a list of acceptable unique connectors.	YES	Refer to instruction
testing requirementssRefer to instructionAdditional guidance for testing host products is given in KDB Publication 996369 D04 Module Integration Guide. Test modes should take into consideration different operational conditions for a stand-alone modular transmitter in a host, as well as for multiple simultaneously transmitting modules or other transmitters in a host product. The grantee should provide information on how to configure test modes for host product evaluation for different operational conditions for a stand-alone modular transmitters in a host product. The grantee should provide information on how to configure test modes for host product evaluation for different operational conditions for a stand-alone modular transmitters in a host, versus with multiple, simultaneously transmitting modules or other transmitters in a host. Grantees can increase the utility of their modular transmitters by providing special means, modes, or instructions that simulates or characterizes a connection by enabling a transmitter. This can greatly simplify a host manufacturer's determination that a module as installed in a host complies with FCC requirements.YESRefer to instruction	Grantees are responsible for the continued compliance of their modules to the FCC rules. This includes advising host product manufacturers that they need to provide a physical or e-label stating "Contains FCC ID" with their finished product. See Guidelines for Labeling and User Information for RF Devices – KDB Publication 784748.		If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID : 2AATL-H155E-U Or
Additional guidance for testing host products is given in KDB Publication 996369 D04 Module Integration Guide. Test modes should take into consideration different operational conditions for a stand-alone modular transmitter in a host, as well as for multiple simultaneously transmitting modules or other transmitters in a host product. The grantee should provide information on how to configure test modes for host product evaluation for different operational conditions for a stand-alone modular transmitter in a host, versus with multiple, simultaneously transmitting modules or other transmitters in a host. Grantees can increase the utility of their modular transmitters by providing special means, modes, or instructions that simulates or characterizes a connection by enabling a transmitter. This can greatly simplify a host manufacturer's determination that a module as installed in a host complies with FCC requirements.YESRefer to instruction	2.9 Information on test modes and additional	YES	
2.10 Additional testing, Part 15 Subpart B YES Refer to instruction	Additional guidance for testing host products is given in KDB Publication 996369 D04 Module Integration Guide. Test modes should take into consideration different operational conditions for a stand-alone modular transmitter in a host, as well as for multiple simultaneously transmitting modules or other transmitters in a host product. The grantee should provide information on how to configure test modes for host product evaluation for different operational conditions for a stand-alone modular transmitter in a host, versus with multiple, simultaneously transmitting modules or other transmitters in a host. Grantees can increase the utility of their modular transmitters by providing special means, modes, or instructions that simulates or characterizes a connection by enabling a transmitter. This can greatly simplify a host manufacturer's determination that a module as installed in a host complies with FCC		Any company of the host device which install this modular with limit modular approval should perform the test of radiated & conducted emission and spurious emission,etc. according to FCC part 15C : 15.247 and 15.209 &15.207 ,15B Class B requirement, Only if the test result comply with FCC part 15C : 15.247 and 15.209 &15.207 ,15B Class B
		YES	Refer to instruction

The grantee should include a statement that the modular transmitter is **only** FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant, and that the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. If the grantee markets their product as being Part 15 Subpart B compliant (when it also contains unintentional-radiator digital circuity), then the grantee shall provide a notice stating that the final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.6 Any company of the host device which install this modular with limit modular approval should perform the test of radiated & conducted emission and spurious emission, etc. according to FCC part 15C : 15.247 and 15.209 &15.207 ,15B Class B requirement, Only if the test result comply with FCC part 15C : 15.247 and 15.209 &15.207 ,15B Class B requirement, then the host can be sold legally.

When the module is installed inside another device, the user manual of the host must contain below warning statements; Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: —Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. —Consult the dealer or an experienced radio/TV technician for help.