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

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
specifically establish the bands of operation,		Subpart C Section 15.247 and FCC CFR Title 47
the power, spurious emissions, and operating		Part 15 Subpart E Section 15.407: 2016
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		Antenna Type:External Antenna
example any limits on antennas, etc. For		Antenna Gain: 2dBi
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	N/A	Not applicable
For a modular transmitter with trace antenna	14/7	Not applicable
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		
, equilibrium .		
a) Information that includes permitted		
variances (e.g., trace boundary limits,		
thickness, length, width, shape(s), dielectric		
constant, and impedance as applicable for		
each type of antenna);		
,, ,		
b) Each design shall be considered a		
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);		
c) The parameters shall be provided in		
a manner permitting host manufacturers to		
design the printed circuit (PC) board layout;		
d) Appropriate parts by manufacturer		

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.		
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	The modular can be installed or integrated in mobile or fix devices only. This modular cannot be installed in any portable device. This modular complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be colocated 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	Antenna Type:External Antenna Antenna Gain: 2dBi

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. 2.9 Information on test modes and additional testing requirementss 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 to configure test modes for host product evaluation for different operational conditions for a stand-alone modular transmitter in a host, cerus 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		, ,	
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. 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	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" with their finished product. See Guidelines for Labeling and User Information for RF Devices – KDB Publication 784748. 2.9 Information on test modes and additional testing requirementss Additional guidance for testing host products is		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: 2ACOE-WG233 Or Contains FCC ID: 2ACOE-WG233 Refer to instruction Any company of the host device which install
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	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		part 15C: 15.247 and 15.209 &15.207,15B Class B requirement, Only if the test result comply with FCC CFR Part 15 E: 15.407 and 15.207, FCC part 15C: 15.247 and 15.209
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	for a stand-alone modular transmitter in a host, versus with multiple, simultaneously transmitting modules or other transmitters in a host.		•
	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		
requirements. 2.10 Additional testing, Part 15 Subpart B YES Refer to instruction	installed in a host complies with FCC requirements.	YES	Refer to instruction
disclaimer	-		

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 CFR Part 15 E: 15.407 and 15.207, FCC part 15C: 15.247 and 15.209 &15.207,15B Class B requirement, Only if the test result comply with FCC CFR Part 15 E: 15.407 and 15.207, 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

—Reorient or relocate the receiving antenna.

and on, the user is encouraged to try to correct

—Increase the separation between the equipment and receiver.

the interference by one or more of the following measures:

- —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.