## 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 96
specifically establish the bands of operation,			
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			
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required.3	VEC		Refer to instruction
2.3 Summarize the specific operational use	YES		Refer to instruction
conditions			
Describe use conditions that are applicable to			Antenna Type:
the modular transmitter, including for			Antenna: External Antenna
example any limits on antennas, etc. For			
example, if point-to-point antennas are used			Antenna Gain: For End User Device: 3 dBi
that require reduction in power or			For Category A Device: 9.5 dBi
compensation for cable loss, then this			For Category B Device: 18 dBi
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		No	
If a modular transmitter is approved as a			
"limited module," then the module			
manufacturer is responsible for approving the			
host environment that the limited module is			
used with. The manufacturer of a limited			
module must describe, both in the filing and in			
the installation instructions, the alternative			
means that the limited module manufacturer			
uses to verify that the host meets the necessary			
requirements to satisfy the module limiting			
conditions.			
A limited module manufacturer has the			
flexibility to define its alternative method to			
address the conditions that limit the initial			
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	No	
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		
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.		
<b>2.6 RF exposure considerations</b> 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 manufacture to provide to end users in their	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. 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.
module through a change in FCC ID (new application). <b>2.7 Antennas</b> 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 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	YES	Refer to instruction Antenna Type: Antenna : External Antenna Antenna Gain: For End User Device: 3 dBi For Category A Device: 9.5 dBi For Category B Device: 18 dBi

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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	YES		Refer to instruction
Grantees are responsible for the continued			
compliance of their modules to the FCC rules.			If the FCC identification number is not
This includes advising host product			visible when the module is installed inside
manufacturers that they need to provide a			another device, then the outside of the
physical or e-label stating "Contains FCC ID"			device into which the module is installed
with their finished product. See Guidelines for			must also display a label referring to the
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Labeling and User Information for RF Devices –			enclosed module. This exterior label can
KDB Publication 784748.			use wording such as the following:
			"Contains Transmitter Module FCC ID:
			2AG87-RM3625 Or Contains FCC ID:
			2AG87-RM3625"
2.9 Information on test modes and additional	YES		Refer to instruction
testing requirements <sub>5</sub>			
Additional guidance for testing host products is			Any company of the host device which
given in KDB Publication 996369 D04 Module			installs this modular with unlimited
Integration Guide. Test modes should take into			modular approval should perform the test
consideration different operational conditions			of radiated & conducted emission and
for a stand-alone modular transmitter in a host,			
as well as for multiple simultaneously			spurious emission, etc. according to FCC
transmitting modules or other transmitters in a			CFR Title 47 Part 96, only if the tests result
host product.			comply with FCC CFR Title 47 Part 96, then
The grantee should provide information on			the host can be sold legally
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.			
2.10 Additional testing, Part 15 Subpart B		No	Refer to instruction
disclaimer			
The grantee should include a statement that			The module is installed in the host, and
the modular transmitter is <b>only</b> FCC			the host must be evaluated to comply
authorized for the specific rule parts (i.e., FCC			with Part 15 Subpart B requirements.
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		

Signature:

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