## 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.			
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
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. <sub>3</sub>			
2.3 Summarize the specific operational use	YES		Refer to instruction
conditions			Integral PCB antenna with antenna gain
Describe use conditions that are applicable to			1.0dBi
the modular transmitter, including for			
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		N/A	Not applicable
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			
upprovid, odon do. onording, minimum	L	I	

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		
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;		
design the printed encult (FC) 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	YES	Refer to instruction	
It is essential for module grantees to clearly			
and explicitly state the RF exposure conditions		This modular complies with FCC RF radiation exposure limits set forth fo	r 20
that permit a host product manufacturer to use the module. Two types of instructions are		uncontrolled environment. This tran	
required for RF exposure information: (1) to		must not be co-located or operating	
the host product manufacturer, to define the		conjunction with any other antenna	
application conditions (mobile, portable – xx		transmitter.	
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).			
2.7 Antennas	YES	Refer to instruction	
A list of antennas included in the application			
for certification must be provided in the		Integral PCB antenna with antenna g	gain
instructions. For modular transmitters		1.0dBi	
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 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. <b>2.8 Label and compliance information</b> 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.	YES	Refer to instruction 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: 2AOE2-REX3T Or Contains FCC ID: 2AOE2- REX3T
<ul> <li>2.9 Information on test modes and additional testing requirementss</li> <li>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.</li> <li>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.</li> <li>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.</li> </ul>	YES	Refer to instruction 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.
<ul> <li>2.10 Additional testing, Part 15 Subpart B disclaimer</li> <li>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</li> </ul>	YES	Refer to instruction 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.

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	us st Nu w 15 re ca us ha Hu oc ca w ar in of 	When the module is installed inside another device, the iser manual of the host must contain below warning tatements; Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part .5 of the FCC Rules. These limits are designed to provide easonable protection against harmful interference in a esidential installation. This equipment generates, uses and an radiate radio frequency energy and, if not installed and ised in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not beccur in a particular installation. If this equipment does ause 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 neterference by one or more of the following measures: —Reorient or relocate the receiving antenna. —Increase the separation between the equipment and eceiver. —Connect the equipment into an outlet on a circuit lifferent from that to which the receiver is connected. —Consult the dealer or an experienced radio/TV technician or help.
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