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.	T		T		
Requirement	Yes	N/A	Comment		
2.2 List of applicable FCC rules	YES		Refer to instruction	on	
List the FCC rules that are applicable to the					
modular transmitter. These are the rules that			FCC standards: FC	C 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					
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required.3	VEC		Defents in struction		
2.3 Summarize the specific operational use	YES		Refer to instruction	on	
conditions			Antenna Type:	PIFA Antenna	
Describe use conditions that are applicable to			Antenna Gain:	Chain 0	2dBi
the modular transmitter, including for			7 million and anni.	Chain 1	2dBi
example any limits on antennas, etc. For				Chain	
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					

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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		
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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);		
1) 7 1 1 1 1 1 1 1		
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 eneult (FC) board layout,		
d) Appropriate parts by manufacturer		
and specifications;		
e) Test procedures for design		
verification; and		
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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.		
Class if 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		The modular can be installed or integrated in mobile or fix devices only. This modular cannot be installed in any
that permit a host product manufacturer to		portable device.
use the module. Two types of instructions are		This modular complies with FCC RF radiation exposure
required for RF exposure information: (1) to		limits set forth for an uncontrolled environment. This
the host product manufacturer, to define the		transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This
application conditions (mobile, portable – xx		modular must be installed and operated with a minimum
cm from a person's body); and (2) additional		distance of 20 cm between the radiator and user body.
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		
1		
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		A decree Torrest DIFA Andrews
instructions. For modular transmitters		Antenna Type: PIFA Antenna Antenna Gain: Chain 0 2dBi
approved as limited modules, all applicable		Chairo
professional installer instructions must be		Chain 1
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. 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.	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: 2AC23-W2T Or Contains FCC ID: 2AC23-W2T"
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 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.	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.
2.10 Additional testing, Part 15 Subpart B 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	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

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.