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. Yes No Comment Requirement 2.2 List of applicable FCC rules Page 39 in user manual List the FCC rules that are applicable to the modular transmitter. These are the rules that 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 required.3 2.3 Summarize the specific operational use Page 5,6,7,8 in user manual conditions Describe use conditions that are applicable to 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 NA 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	NA NA
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);	
1) F 1 1 1 1 111 11 1 1100 4	
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 (1 C) board layout,	
d) Appropriate parts by manufacturer and	
specifications;	
	1 1
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	Page 41 in user manual
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).	
2.7 Antennas	Page 43 in user manual
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	
<u> </u>	

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 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	instructions shall inform the installer that	
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as well as for multiple simultaneously		
uanomiung modules of other nanomiuels in a	transmitting modules or other transmitters in a	
host product.		
The grantee should provide information on		
how to configure test modes for host product	how to configure test modes for host product	
evaluation for different operational conditions	evaluation for different operational conditions	
for a stand-alone modular transmitter in a host,	for a stand-alone modular transmitter in a host,	
versus with multiple, simultaneously	versus with multiple, simultaneously	
transmitting modules or other transmitters in a	transmitting modules or other transmitters in a	
host.	host.	
Grantees can increase the utility of their	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	<u> </u>	
requirements.		
2.10 Additional testing, Part 15 Subpart B NA		NA
disclaimer	disclaimer	
The grantee should include a statement that		
the modular transmitter is <b>only</b> FCC	I	
authorized for the specific rule parts (i.e., FCC	· · · · · · · · · · · · · · · · · · ·	
transmitter rules) listed on the grant, and that	transmitter rules) listed on the grant, and that	
the host product manufacturer is responsible	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		