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	114/11	Refer to instruction
List the FCC rules that are applicable to the			Nerel to motification
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			Suspant o Section 1312 17
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	123		Neter to instruction
Describe use conditions that are applicable to			The module is limited to the
the modular transmitter, including for			following antenna:
example any limits on antennas, etc. For			
example, if point-to-point antennas are used			Antenna Type: PCB Antenna
that require reduction in power or			
compensation for cable loss, then this			Antenna Gain: -1dBi
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			
approvar, such as. sinclumg, 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;		
a) Test procedures for design		
e) Test procedures for design verification; and		
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.		
Class if permissive change application.		
2.6.DF eveneume considerations	VEC	Defeate instruction
2.6 RF exposure considerations	YES	Refer to instruction
It is essential for module grantees to clearly		The weeduler can be installed a state of the second
and explicitly state the RF exposure conditions		The modular can be installed or integrated
that permit a host product manufacturer to		in mobile or fix devices only. This modular
use the module. Two types of instructions are		cannot be installed in any portable device.
required for RF exposure information: (1) to		This modular complies with FCC RF
the host product manufacturer, to define the		radiation exposure limits set forth for an
application conditions (mobile, portable – xx		uncontrolled environment. This transmitter
cm from a person's body); and (2) additional		must not be co-located oroperating in
text needed for the host product		conjunction with any other antenna or
manufacturer to provide to end users in their		transmitter. This modular must be installed
end-product manuals. If RF exposure		and operated with a minimum distance of
statements and use conditions are not		20 cm betweenthe radiator and user body.
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		The module is limited to the following
instructions. For modular transmitters		antenna:
approved as limited modules, all applicable		
professional installer instructions must be		Antenna Type: PCB Antenna Antenna
included as part of the information to the host		Gain: -1dBi
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		
antonia trace design, are integration	l	

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	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 ofthe
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
Labeling and User Information for RF Devices –		enclosed module. Thisexterior label can
KDB Publication 784748.		use wording such as the following:
KDB Publication 764746.		"Contains Transmitter Module FCC ID:
		2AQ95-C22H Or Contains FCC ID: 2AQ95-
		C22H "
2.9 Information on test modes and additional	YES	Refer to instruction
testing requirements		
		Any company of the host device which
Additional guidance for testing host products is		install this modular with limit modular
given in KDB Publication 996369 D04 Module		approval should perform the test
Integration Guide. Test modes should take into		ofradiated & conducted emission and
consideration different operational conditions		spurious emission, etc. according to FCC
for a stand-alone modular transmitter in a host,		part 15C: 15.247 and 15.209 &15.207, 15B
as well as for multiple simultaneously		Class B requirement, Only if the test result
transmitting modules or other transmitters in a		comply with FCC part 15C: 15.247 and
host product.		15.209 &15.207, 15B Class B
The grantee should provide information on		·
how to configure test modes for host product		requirement, then the host can be sold
evaluation for different operational conditions		legally.
for a stand-alone modular transmitter in a host,		The module is installed in the host and
versus with multiple, simultaneously		can be transmitted independently.
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	Yes	Refer to instruction
disclaimer		
		The module is installed in the host, and the
The grantee should include a statement that		host must be evaluated to comply with
the modular transmitter is <b>only</b> FCC		Part 15 Subpart B requirements
authorized for the specific rule parts (i.e., FCC		
and the second rate parts (nei) 100		

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		