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	NI/A	Comment
Requirement		N/A	
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
specifically establish the bands of operation,			15 Subpart E Section 15.407: 2016 and
the power, spurious emissions, and operating			FCC CFR Title 47 Part 15 Subpart C
fundamental frequencies. DO NOT list			Section 15.247
compliance to unintentional-radiator rules			Section 13.247
(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			The module is limited to the following
Describe use conditions that are applicable to			antenna:
the modular transmitter, including for example			Antenna Type: External Antenna
any limits on antennas, etc. For example, if			Antenna Gain:
point-to-point antennas are used that require			ANTO: 3dBi
reduction in power or compensation for cable			ANT1: 3dBi
·			
loss, then this information must be in the			ANT2: 3dBi
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			

		1	
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	140		
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			

11		
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 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).		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.
2.7 Antennas 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 unique antenna connector must be used on the	YES	Refer to instruction The module is limited to the following antenna: Antenna Type: External Antenna Antenna Gain: ANT0: 3dBi ANT1: 3dBi ANT2: 3dBi

	, ,	
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
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:
		2AG87NM-DB-3M Or Contains FCC ID:
		2AG87NM-DB-3M"
2.9 Information on test modes and additional	YES	Refer to instruction
	163	הפופו נט ווואנו שכנוטוו
testing requirements₅		
Additional anidom as for testing 1		
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 for a stand-alone modular transmitter in a host,		of radiated & conducted emission and
as well as for multiple simultaneously		spurious emission, etc. according to FCC
transmitting modules or other transmitters in a		part 15C: 15.247 and 15.407and 15.209 &
host product.		15.207, 15B Class B requirement, only if
The grantee should provide information on		the tests result comply with FCC part 15C:
how to configure test modes for host product		15.247 and 15.407 and 15.209 & 15.207,
evaluation for different operational conditions		15B Class B requirement, then the host can
for a stand-alone modular transmitter in a host,		be sole legally.
versus with multiple, simultaneously		The module is installed in the host and
transmitting modules or other transmitters in a		can be transmitted independently.
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 host must be evaluated to comply
The grantee should include a statement that		with Part 15 Subpart B requirements.
the modular transmitter is only FCC authorized		
for the specific rule parts (i.e., FCC transmitter		
rules) listed on the grant, and that the host		
product manufacturer is responsible for		
p. 5 a a ct. manara ctarer 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		