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	14/ /	Refer to instruction
List the FCC rules that are applicable to the	11.3		Neier to instruction
modular transmitter. These are the rules that			FCC standards: FCC CFR Title 47 Part
specifically establish the bands of operation,			
the power, spurious emissions, and operating			15 Subpart E Section 15.407 and FCC
fundamental frequencies. DO NOT list			CFR Title 47 Part 15 Subpart C Section
compliance to unintentional-radiator rules			15.247
(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	YES		Refer to instruction
2.3 Summarize the specific operational use conditions	163		The module is limited to the following
Describe use conditions that are applicable to			antenna: BT/BLE:
the modular transmitter, including for			Antenna: PCB Antenna
example any limits on antennas, etc. For			Antenna Gain:1.91dBi
example, if point-to-point antennas are used			2.4GWifi: Antenna: PCB Antenna
that require reduction in power or			Antenna Gain 0:3.01dBi
compensation for cable loss, then this			Antenna Gain 0.3.01dBi
information must be in the instructions. If the			5G Wifi:
use condition limitations extend to			Band 1: Antenna 0: 3.51dBi, Antenna 1:
professional users, then instructions must			3.13dBi
state that this information also extends to the			Band 2A: Antenna 0: 3.84dBi, Antenna 1:
host manufacturer's instruction manual. In			3.40dBi
addition, certain information may also be			Band 2C: Antenna 0: 3.83dBi, Antenna 1:
needed, such as peak gain per frequency band			3.97dBi
and minimum gain, specifically for master			Band 3: Antenna 0: 3.97dBi, Antenna 1:
devices in 5 GHz DFS bands.			3.95dBi
2.4 Limited module procedures			
If a modular transmitter is approved as a	No		
"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	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);		
h) Each design shall be considered a		
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		
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		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 or operating 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 between the 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		The module is limited to the following
for certification must be provided in the		antenna: BT/BLE:
instructions. For modular transmitters		Antenna: PCB Antenna
approved as limited modules, all applicable		Antenna Gain:1.91dBi
professional installer instructions must be		2.4GWifi: Antenna: PCB Antenna
included as part of the information to the host		Antenna Gain 0:3.01dBi
product manufacturer. The antenna list shall		Antenna Gain 1:2.79dBi 5G Wifi:
also identify the antenna types (monopole,		Band 1: Antenna 0: 3.51dBi, Antenna
PIFA, dipole, etc. (note that for example an		1: 3.13dBi
"omni-directional antenna" is not considered to		Band 2A: Antenna 0: 3.84dBi,
be a specific "antenna type")).		Antenna 1: 3.40dBi
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		

	1		
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.			Band 2C: Antenna 0: 3.83dBi, Antenna 1: 3.97dBi Band 3: Antenna 0: 3.97dBi, Antenna 1: 3.95dBi
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-DCT2B Or Contains FCC ID: 2AC23-DCT2B"
2.9 Information on test modes and additional	YES		Refer to instruction
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.			Any company of the host device which installs this modular with unlimited modular approval should perform the test of radiated & conducted emission and spurious emission, etc. according to FCC part 15C: 15.247 and 15.407 and 15.209 & 15.207, 15B Class B requirement, only if the tests result comply with FCC part 15C: 15.247 and 15.407 and 15.209 & 15.207, 15B Class B requirement, then the host can be sole legally The module is installed in the host and can be transmitted independently.
2.10 Additional testing, Part 15 Subpart B disclaimer		Yes	Refer to instruction The module is installed in the host, and the host must be evaluated to comply
The grantee should include a statement that the modular transmitter is <b>only</b> FCC authorized for the specific rule parts (i.e., FCC			with Part 15 Subpart B requirements

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		

Signature: Hui Guran

Name: Hui Guan

Title: engineer