IEEE 802.11b Section

	Feature	Detailed Description	
3.3.1.1	Standard	• IEEE 802.11b	
3.3.1.2	Radio and Modulation Schemes	• DQPSK , DBPSK and CCK with DSSS	
3.3.1.3	Operating Frequency	• 2412MHz~2472MHz ISM band	
3.3.1.4	Channel Numbers	• 13 channels for Worldwide	
3.3.1.5	Data Rate	at most 11Mbps	
3.3.1.6	Media Access Protocol	• CSMA/CA with ACK	
3.3.1.7	Transmitter Output Power at Antenna Connector	 Typical RF Output Power at each RF chain, and at room Temp. 25°C 17±2 dBm at 11Mbps 	
3.3.1.8	Receiver Sensitivity at Antenna Connector	 Typical Sensitivity at each RF chain. @Frame (1000-byte PDUs) Error Rate<8% at room Temp 25°C -83 dBm for 11Mbps 	

IEEE 802.11g Section

	Feature	Detailed Description	
3.3.2.1	Standard	• IEEE 802.11g	
3.3.2.2	Radio and Modulation Type	• QPSK , BPSK , 16QAM ,64QAM with OFDM	
3.3.2.3	Operating Frequency	• 2412MHz~2472MHz ISM band	
3.3.2.4	Channel Numbers	• 13 channels for Worldwide	
3.3.2.5	Data Rate	• at most 54Mbps	
3.3.2.6	Media Access Protocol	• CSMA/CA with ACK	
3.3.2.7	Transmitter Output Power at Antenna Connector	 Typical RF Output Power at each RF chain, at room Temp. 25℃ 15±2 dBm at 54Mbps 	
3.3.2.8	Receiver Sensitivity at Antenna Connector	 Typical Sensitivity at each RF chain. @Frame (1000-byte PDUs) Error Rate<10% at room Temp 25°C -71 dBm for 54Mbps 	

IEEE 802.11a Section

	Feature	Detailed Description	
3.3.3.1	Standard	• IEEE 802.11a	
3.3.3.2	Radio and Modulation Type	• QPSK , BPSK , 16QAM ,64QAM with OFDM	
3.3.3.3	Operating Frequency	 5180MHz~5320MHz 5500MHz~5700MHz 5745MHz~5825MHz 	
3.3.3.4	Data Rate	at most 54Mbps	
3.3.3.5	Media Access Protocol	CSMA/CA with ACK	
3.3.3.6	Transmitter Output Power at Antenna Connector	 Typical RF Output Power at each RF chain, at room Temp. 25°C 14±2 dBm at 54Mbps Typical Sensitivity at each RF chain. @Frame (1000-byte PDUs) Error Rate<10% at room Temp 25°C -71 dBm for 54Mbps 	
3.3.3.7	Receiver Sensitivity at Antenna Connector		

IEEE 802.11n Section

	Feature	Detailed Description			
3.3.4.1	Standard	● IEEE 802.11n			
3.3.4.2	Radio and Modulation Type	BPSK, QPSK, 16QAM, 64QAM with OFDM			
3.3.4.3	Operating Frequency	 2.4GHz : 2412MHz~2472MHz ISM band 5GHz : 5180MHz~5320MHz 5500MHz~5700MHz 5745MHz~5825MHz 			
3.3.4.4	Data Rate	at most 150 Mbps	at most 150 Mbps		
3.3.4.5	Media Access Protocol	CSMA/CA with ACK			
	Transmitter Output Power at Antenna Connector	 Typical RF Output Power at each 	RF chain, at roomTemp 25 $^\circ\!\!\mathbb{C}$		
3.3.4.6		2.4GHz Band/HT20 ● 14±2 dBm at MCS7	2.4GHz Band/HT40 ● 14±2 dBm at MCS7		
		5GHz Band/HT20 ● 13±2 dBm at MCS7	5GHz Band/HT40 ● 13±2 dBm at MCS7		
3.3.4.7	Receiver	● Typical Sensitivity at each RF cha Rate=10% and at room Temp 25℃	ain. @Frame (1000-byte PDUs) Error		
	Sensitivity at Antenna	2.4GHz Band/HT20 ● -68dBm at MCS7	2.4GHz Band/HT40 ● -66dBm at MCS7		
	Connector	5GHz Band/HT20 ● -68dBm at MCS7	5GHz Band/HT40 ● -66dBm at MCS7		

Electrical and Thermal Characteristics

Temperature Limit Ratings

Parameter	Minimum	Maximum	Units
Storage Temperature	-55	+125	°C
Ambient Operating Temperature	-20	85	°C
Junction Temperature	0	125	°C

General Section

	Feature	Detailed Description
4.2.1	Antenna Type	● IPEX
4.2.2	Operating Voltage	• 3.3V±10%
4.2.3	Current	● <500mA@TX
	Consumption	● <300mA@RX
4.2.4	Form Factor and Interface	● UART
4.2.5	Connector	PAD

Memory

- Embedded 512 KB SRAM and 256KB ITCM ROM,96KB DTCM ROM
- External SPI Flash (Default is 4MB)

Mechanical Characteristics Mechanical Requirements

#	Feature	Detailed Description	
6.1.1	Length	• 28 mm	
6.1.2	Width	• 14.3 mm	
6.1.3	Height	• 0.8 mm(PCB)	

Mechanical Dimensions



UNIT :mm

length (mm)	error (mm)
0-5	±0.15
5-10	±0.20
10-50	±0.30
>50	±0.40

Pin Description

Pin	Definition	Remark	I/O	
1	GND	GND	Ground	
2	PA12	PA12	I/O	
3	PA13	PA13	I/O	
4	VDD3.3	3.3 power supply	3.3V input	
5	NC	1	٨	
6	PB3	PB3	I/O	
7	NC	1	٨	
8	NC	1	Λ	
9	VDD3.3	3.3 power supply	3.3V input	
10	PA27	PA27	I/O	
11	NC	١	λ	
12	CHIP_EN	RESERT	Enable chip, The module has been pulled up	
13	VDD3.3	3.3 power supply	3.3V input	
14	GND	GND	Ground	
15	GND	GND	Ground	
16	U_RX_LOG	U_RX_LOG	Test	
17	U_TX_LOG	U_TX_LOG	Test	
18	NC	١	١	
19	NC	١	Υ	
20	NC	١	\	
21	NC	١	١	
22	GND	GND	Ground	
23	GND	GND	Ground	
24	PA26	PA26	I/O	
25	PA25	PA25	I/O	
26	GND	GND	Ground	
27	NC	\	١	
28	PA14	PA14	I/O	
29	PA15	PA15	I/O	
30	VDD3.3	3.3 power supply	3.3V input	
31	NC	١	Λ	
32	NC	١	١	

PIN PICTURE

WL6PR1101

33	NC	λ	١
34	NC	1	
35	NC	1	
36	GND	GND	Ground
37	NC	1	
38	NC	١	λ
39	NC	1	
40	NC	\	λ
41	NC	\	λ

DC Characteristics

Symbol	Parameter	Min	TYPE	Max	Unit
VIL	Input Low Voltage	-0.3		VDD3.3*0.25	V
VIH	Input High Voltage	VDD3.3*0.625		VDD3.3+0.3	V
Vol	Output Low Voltage	-0.3		0.4	V
Vон	Output High Voltage	VDD3.3-0.4		VDD3.3+0.3	V

Power On or Resuming from Deepsleep Sequence

VDDx > 1.8	V
VDD_10 > 1.8V	
CHIP_EN	
Tcore	LP core voltage
RCO	
HS core power	1.1V
	CPU boot time

Shutdown Sequence



Note

I

ESD

Can't get the wifi module bare hands when needs, must we wear the gloves and static ring.

Reflow



Referred to IPC/JEDEC standard. Peak Temperature : 245 $\pm5^\circ\,$ C $\,$ Times : $\,\leqslant\!2\,$ s

Wireless module before the SMT note

1. When customers Open stencil must be sure the hole bigger to the Wireless module plate, please press 1 to 1 and 0.7 mm is widened to open outward, the thickness of 0.12 mm.

2.Can't get the wifi module bare hands when needs, must we wear the gloves and static ring.3.The furnace temperature according to the size of the customer the mainboard, generally like to stick on a tablet standard temperature of 250 + - 5, can do 260+ - 5.

Storage and use Wifi module control should pay attention to the following matters:

• Module of the storage life of vacuum packaging:

1-1.Storage life : 12 months. Storage conditions: <40°C. Relative humidity: <90%R.H.

1-2.After this bag is opened , devices that will be subjected to infrared reflow, vapor-phase reflow, or equivalent processing must be :

1-3.Check the humidity card: stored at ≤ 20%RH.If :30%~40%(pink)or greater than 40%(red).Labeling module has moisture absorption.

① Mounthed within 168 hours at factory conditions of: $t \le 30\%$ °C, $\le 60\%$ R.H.

② Once opened, the workshop the preservation of life for 168 hours.

1-4.If baking is required, devices may be baked for:

- ① Modules must be to remove module moisture problem.
- ② Baking temperature: 125 ℃, 8 hours.

③ After baking, put proper amount of desiccant to seal packages.

1-5. The actual number of module vacuum packing which is based on the actual number of packages to the customer requirements,

2. Module reel packaging items as follows.

2-1.Storage life:12 months. Storage conditions: <40°C. Relative humidity: <90% R.H.

2-2.Module apart packing after 168 hours, To launch patch need to bake, to remove the module hygroscopic, baking temperature

conditions: 125°C, 8hours.

2-3. The actual number of module reel packing which is based on the actual number of packages to the customer requirements,

3. Module pallet packaging items as follows:

3-1.Storage life: 3 months. Storage conditions: <40°C. Relative humidity: <90% R.H.

3-2.Module if not used within 48 hours, before launch the need for baking, baking temperature: 125 °C, 8 hours.

3-3. Pallet packaging each plate is 100 PCS. The actual number of module pallet packing which is based on the actual number of packages to the customer requirements.

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

FCC Radiation Exposure Statement

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 equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

ANT1: FPC dipole antenna with antenna gain -0.68 dBi(2.4G) and 3.29 dBi(5G) Manufacturers: Shenzhen Etheta Communication Technology Co., LTD. Model: RD542109NB86-1 ANT2: FPC dipole antenna with antenna gain 2.05 dBi(2.4G) and 3.17 dBi(5G) Manufacturers: Shenzhen Etheta Communication Technology Co., LTD. Model: RD542109NB86-2 ANT3: FPC dipole antenna with antenna gain 2.45 dBi(2.4G) and 2.77 dBi(5G) Manufacturers: Shenzhen Etheta Communication Technology Co., LTD. Model: RD542109NB86-3 ANT4:Copper pipe dipole antenna with antenna gain 1.32 dBi(2.4G) and 2.75 dBi(5G) Manufacturers: Shanghai Amphenol Airwave Communication Electronics Co., Ltd Model: MG73324-41-000-R ANT5:Copper pipe dipole antenna with antenna gain 1.87 dBi(2.4G) and 0.94 dBi(5G) Manufacturers: Shanghai Amphenol Airwave Communication Electronics Co.,Ltd Model: MG7018-41-000-R ANT6: FPC PIFA antenna with antenna gain 1.56 dBi(2.4G) and 4.17 dBi(5G) Manufacturers: Shenzhen Etheta Communication Technology Co., LTD.

Model: RD541901NB87-1

Compliance list INTEGRATION INSTRUCTIONS for 996369 D03 OEM the and 996369 D03 OEM by Sections 2.2 through 2.12.

Requirement	Yes	N/A	Comment
2.2 List of applicable FCC rules	YES		
List the FCC rules that are applicable to the			FCC standards: FCC CFR Title 47 Part 15
modular transmitter. These are the rules that			Subpart C Section 15.247
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	YES		
conditions			ANT1:FPC dipole antenna with antenna gain
Describe use conditions that are applicable to			-0.68 dBi(2.4G) and 3.29 dBi(5G)
the modular transmitter, including for example			ANT2:FPC dipole antenna with antenna gain
any limits on antennas, etc. For example, if			2.05 dBi(2.4G) and 3.17 dBi(5G)
point-to-point antennas are used that require			ANT3:FPC dipole antenna with antenna gain
reduction in power or compensation for cable			2.45 dBi(2.4G) and 2.77 dBi(5G)
loss, then this information must be in the			ANT4:Copper pipe dipole antenna with
instructions. If the use condition limitations			antenna gain 1.32 dBi(2.4G) and 2.75 dBi(5G)
extend to professional users, then instructions			ANT5:Copper pipe dipole antenna with
must state that this information also extends to			antenna gain 1.87 dBi(2.4G) and 0.94 dBi(5G)
the host manufacturer's instruction manual. In			ANT6:FPC PIFA antenna with antenna gain
addition, certain information may also be			1.56 dBi(2.4G) and 4.17 dBi(5G)
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			
If a modular transmitter is approved as a "limited module," then the module manufacturer is			
If a modular transmitter is approved as a "limited module," then the module manufacturer is responsible for approving the host environment			
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			
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,			
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			
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			
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			
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.			
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			
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			
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			
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	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		
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) Annuanista nanta ha		
a) Appropriate parts by		
manufacturer and specifications;		
e) Test procedures for design verification;		
and		

compliance	1	
compnance.		
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	
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).		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.
2 7 Antonnos	VEC	
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		ANT1:FPC dipole antenna with antenna gain -0.68 dBi(2.4G) and 3.29 dBi(5G) ANT2:FPC dipole antenna with antenna gain 2.05 dBi(2.4G) and 3.17 dBi(5G) ANT3:FPC dipole antenna with antenna gain 2.45 dBi(2.4G) and 2.77 dBi(5G) ANT4:Copper pipe dipole antenna with antenna gain 1.32 dBi(2.4G) and 2.75 dBi(5G) ANT5:Copper pipe dipole antenna with antenna gain 1.87 dBi(2.4G) and 0.94 dBi(5G) ANT6:FPC PIFA antenna with antenna gain 1.56 dBi(2.4G) and 4.17 dBi(5G)

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.	YES	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: ZLZ-WL6PR Or Contains FCC ID: ZLZ-WL6PR
2.9 Information on test modes and additional testing requirements₅ 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	The modular transmitter has been fully tested by the module grantee on the required number of channels, modulation types, and modes, it should not be necessary for the host installer to re-test all the available transmitter modes or settings.
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 the host product manufacturer is responsible	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 15B : 15107 and 15.109, 15B Class B requirement, Only if the test result comply with FCC part 15B : 15.107 and 15.109, 15B Class B requirement , then the host can be sold legally.

for compliance to any other FCC rules that		When the module is installed inside another device, the
apply to the host not covered by the modular		user manual of the host must contain below warning
transmitter grant of certification. If the grantee		statements;
markets their product as being Part 15 Subpart		Note: This equipment has been tested and found to comply
B compliant (when it also contains		with the limits for a Class B digital device, pursuant to part 15
unintentional-radiator digital circuity), then the		of the FCC Rules. These limits are designed to provide
grantee shall provide a notice stating that the		reasonable protection against harmful interference in a
final host product still requires Part 15 Subpart		residential installation. This equipment generates, uses and
B compliance testing with the modular		can radiate radio frequency energy and, if not installed and
transmitter installed.		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:
		-Increase the separation between the equipment and
		receiver.
		different from the tot
		which the receiver is connected.
		Consult the dealer or an experienced radio/TV technician
		for help.
2.11 Note EMI Considerations	YES	Note: host manufacture is recommended to use D04
Note that a host manufacture is recommended		Module Integration Guide recommending as "best
to use D04 Module Integration Guide		practice" RF design engineering testing and evaluation in
recommending as "best practice" RF design		case non-linear interactions generate additional
engineering testing and evaluation in case		non-compliant limits due to module placement to host
non-linear interactions generate additional		components or properties
non-compliant limits due to module placement		
to host components or properties		For standalone mode, reference the guidance in D04
For standalone mode, reference the guidance in		Module Integration Guide and for simultaneous mode7;
D04 Module Integration Guide and for		see D02 Module Q&A Question 12, which permits the
simultaneous mode7; see D02 Module Q&A		host manufacturer to confirm compliance.
Question 12, which permits the host		
manufacturer to confirm compliance.		

	YES	only Grantees are permitted to make
2.12 How to make changes		permissive changes.
Since . only Grantees are permitted to		
make permissive changes, it is		
recommended that module manufactures		
provide contact information and some		
guidance to host providers in the		
integration instructions if they expect their		
module will be used differently than		
granted.		