FCC ID: MSQ8260D2

Software Security Description

KDB 594280 D02 U-NII Device Security v01r03 Section II

General Description

1. Describe how any software/firmware updates for	FW: Customer can't change nor modify it.
elements than can affect the device's RF parameters will be obtained, downloaded, validated and installed. For	SW:it will be obtained by OEM factory.
software that is accessed through manufacturer's	The user or installer cannot modify the content.
website or device's management system, describe the	
different levels of security as appropriate.	
2. Describe the RF parameters that are modified by any	The RF parameter is written inside the firmware and in
software/firmware without any hardware changes. Are	Binary coding sequence. It is fixed at the time of
these parameters in some way limited such that any	production. Customers cannot change or modify it.
other software/firmware changes will not allow the	
device to exceed the authorized RF characteristics?	
3. Describe in detail the authentication protocols that	The RF related part is inside the firmware and in Binary
are in place to ensure that the source of the RF-related	coding sequence. Customers cannot change or modify it.
software/firmware is valid. Describe in detail how the	
RF-related software is protected against modification.	
4. Describe in detail any encryption methods used to	Use the same encryption methods with 2.4GHz
support the use of legitimate RF-related	
software/firmware.	
5. For a device that can be configured as a master and	Compliant with FCC requirement, both active and
client (with active or passive scanning), explain how the	passive scanning.
device ensures compliance for each mode? In particular	
if the device acts as master in some band of operation	
and client in another; how is compliance ensured in	
each band of operation?	
l.	

Third-Party Access Control

1. Explain if any third parties have the capability to	Firmware is in binary coding sequence, third parties
operate a U.Ssold device on any other regulatory	cannot change or modify it.
domain, frequencies, or in any manner that may allow	
the device to operate in violation of the device's	
authorization if activated in the U.S.	
2. Describe, if the device permits third-party software or	Firmware is in binary coding sequence, third parties
firmware installation, what mechanisms are provided by	cannot change or modify it.
the manufacturer to permit integration of such	
functions while ensuring that the RF parameters of the	
device cannot be operated outside its authorization for	
operation in the U.S. In the description include what	

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controls and/or agreements are in place with providers	
of third-party functionality to ensure the devices'	
underlying RF parameters are unchanged and how the	
manufacturer verifies the functionality.	
3. For Certified Transmitter modular devices, describe	Firmware is in binary coding sequence, host
how the module grantee ensures that host	manufacturers cannot change or modify it. Driver is the
manufacturers fully comply with these software security	same for US or other countries.
requirements for U-NII devices. If the module is	
controlled through driver software loaded in the host,	
describe how the drivers are controlled and managed	
such that the modular transmitter RF parameters are	
not modified outside the grant of authorization.	

SOFTWARE CONFIGURATION DESCRIPTION - KDB 594280 D02v01r02 Section III

USER CONFIGURATION GUIDE

1. Describe the user configurations permitted through the UI. If different levels of access are permitted for professional installers, system integrators or end-users, describe the differences.	Professional installers
a) What parameters are viewable and configurable by different parties?	Professional installers can upgrade the firmware. End-Users can only see general information. (channel of operation, connection status)
b) What parameters are accessible or modifiable by the professional installer or system integrators?	WiFi/BT coexistence parameters, configuration of channel / frequency under FCC rules.
(1) Are the parameters in some way limited, so that the installers will not enter parameters that exceed those authorized?	Yes, configuration of channel / frequency, modulation type and transmit power are not modifiable by installers or users.
(2) What controls exist that the user cannot operate the device outside its authorization in the U.S.?	User cannot control. The UI cannot allow access to parameter settings.
c) What parameters are accessible or modifiable by the end-user?	No configuration accessible by end-users. Users can only see general status. Regulatory parameters are not accessible.
(1) Are the parameters in some way limited, so that the user or installers will not enter parameters that exceed those authorized?	No configuration accessible by end-user. Regulatory parameters are not accessible.
(2) What controls exist so that the user cannot operate the device outside its authorization in the U.S.?	No configuration accessible by end-user. Regulatory parameters are not accessible.
d) Is the country code factory set? Can it be changed in the UI?	It cannot be changed in the UI

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(1) If it can be changed, what controls exist to ensure	It cannot be changed in the UI
that the device can only operate within its authorization	
in the U.S.?	
e) What are the default parameters when the device	US
is restarted?	
2. Can the radio be configured in bridge or mesh mode?	No
If yes, an attestation may be required. Further	
information is available in KDB Publication 905462 D02.	
3. For a device that can be configured as a master and	End-user cannot configure it.
client (with active or passive scanning), if this is user	
configurable, describe what controls exist, within the UI,	
to ensure compliance for each mode. If the device acts	
as a master in some bands and client in others, how is	
this configured to ensure compliance?	
4. For a device that can be configured as different types	End-user cannot configure it
of access points, such as point-to-point or point-to-	
multipoint, and use different types of antennas,	
describe what controls exist to ensure compliance with	
applicable limits and the proper antenna is used for	
each mode of operation. (See Section 15.407(a))	