

 Being Xuoni Electronics Co.Ltd

 Federal Communications Commission
 18/03/2020

 Oakland Mills Road
 18/03/2020

 Columbia MD 21046
 Model: MDZ-24-AA

 FCC ID: 2AIMRMITVMDZ24AA,
 Subject: Software security requirements for U-NII device.

 The information within this section of the Operational Description is to show compliance against the Software Security Requirements laid out within KDB 594280 D02 U-NII Device Security v01r03.

General Description	
 Describe how any software/firmware update will be obtained, downloaded, and installed. Software that is accessed through manufacturer's website or device's management system, must describe the different levels of security. 	Upgrade by OTA, Any software/firmware updates can not affect RF parameters.
2. Describe all the radio frequency parameters that are modified by any software/firmware without any hardware changes. Are these parameters in some way limited, such that, it will not exceed the authorized parameters?	The RF parameters/limits are stored in a separate part of the non-volatile storage and not updated or changed with the firmware updates.
3. Describe in detail the authentication protocols that are in place to ensure that the source of the software/firmware is legitimate. Describe in detail how the software is protected against modification.	There are currently no authentication protocols in place to check for a valid firmware outside of product registration and serial number.
4. Describe in detail the verification protocols in place to ensure that installed software/firmware is legitimate.	Firmware are not encrypted. RF related parameters/limits are stored in a sperate part of non-volatile storage and are not part of the firmware.
5. For a device that can be configured as a master and client (with active or passive scanning), explain how the device ensures compliance for each	The device is client device without radar detection function

now the 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?another; how3rd Party Access ControlThird parties do not have the capability to
operate a U.S.-sold device on any other regulatory
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.Third parties have the capability to
change radio parameters or country
domains.



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2. Describe, if the device permits third-party software or firmware installation, what mechanisms are provided by 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 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.	This device does not permit third-party software or firmware installation and only the permitted person can update the software or firmware via special command.
3. For Certified Transmitter modular devices, describe how the module grantee ensures that hosts manufactures fully comply with these software security 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 parameters are not modified outside the grant of authorization. SOFTWARE CONFIGURATION DESCRIPTION	N/A the device is not moduel
1. To whom is the UI accessible? (Professional	
installer, end user, other.)	
a) What parameters are viewable to the professional installer/end-user?	This device is not subject to professional installation.
b) What parameters are accessible or modifiable to the professional installer?	N/A-This device is not subject to professional installation.
 i) Are the parameters in some way limited, so that the installers will not enter parameters that exceed those authorized? 	N/A-This device is not subject to professional installation.
ii) What controls exist that the user cannot operate the device outside its authorization in the U.S.?	N/A-This device is not subject to professional installation.
c) What configuration options are available to the end-user?	
i) Are the parameters in some way limited, so that the installers will not enter parameters that exceed those authorized?	RF parameter are programmed in flash memory and not accessible to the end-user.
ii) What controls exist that the user cannot operate	RF parameter are programmed in flash



user. This includes the country code regulatory parameters.
The country code is factory set and can not be changed in the UI.
At each start up the factory configured country code and antenna gain are read from non-volatile memory.
Not supported.
The device is client device without radar detection function.

Best Regards

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Title:

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