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Software Operational Description

FCC ID: SRQ-Z6251

We, ZTE Corporation hereby declare that the requirements of KDB594280 D02 U-NII Device Security v01r03 have been met and shown on the following questions.

SOFTWARE SECURITY DESCRIPTION

	Question	Answer
General	Describe how any software/firmware updates	All the software parameters which
Description	for elements than can affect the device's RF	determine RF configuration and
Description	parameters will be obtained, downloaded,	tuning are part of the device
	validated and installed. For software that is	firmware. The firmware is provided to
	accessed through manufacturer's website or	the factory in a secure procedure for
	device's management system, describe the	flashing the newly produced devices.
	different levels of security as appropriate.	It is not possible to manipulate any of
	amerent levels of security as appropriate.	these data by a third party software
		tool or application. Third party
		applications can only modify the user
		level parameters only.
	2. Describe the RF parameters that are modified	Any RF related software parameter is
	by any software/firmware	part of the binary only. They can be
	without any hardware changes. Are these	only updated by another approved
	parameters in some way limited	software binary which will also go
	such that any other software/firmware changes	•
	will not allow the device to	through the formal certification.
	exceed the authorized RF characteristics?	The Common or determined
	3. Describe in detail the authentication protocols	The firmware update procedure
	that are in place to ensure	validates the initial device software
	that the source of the RF-related	configuration and a finger print which
	software/firmware is valid. Describe in	includes the device IMEI, model and
	detail how the RF-related software is protected	version information, checksum and
	against modification.	the firmware signature. The
		distribution of the update is controlled
		through the web based service hosted
		by Google.
	4. Describe in detail any encryption methods	Secure ftp
	used to support the use of legitimate RF-related	
	software/firmware.	
	5. For a device that can be configured as a	UNII-1 and UNII-3 can be Master
	master and client (with active or passive	(hotspot) and Slave mode.
	scanning), explain how 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 ofoperation?	
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Third-Party	1. Explain if any third parties have the capability	No third parties have the capability to
	to operate a U.Ssold device on any other	operate this device on any regulatory

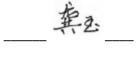
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Access	regulatory domain, frequencies, or in any	domain frequencies, or in any manner
Control	manner that may allow the device to operate in	that may allow the device to operate
Control	violation of the device's authorization if	in violation of the device's
	activated in the U.S.	authorization if activated in the
		United States.
	2. Describe, if the device permits third-party	Third-party firmware installation is not
	software or firmware installation, what	permitted on the device
	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.	
	3. For Certified Transmitter modular devices,	The device is not a module
	describe how the module grantee ensures that	device is not a module
	host manufacturers 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 RF parameters are not	
	modified outside the grant of authorization.	
	Branco Branco addition	
USER	Describe the user configurations permitted	None of the mentioned parameters
CONFIGURATION	through the UI. If different levels of access are	are viewable, thus not configurable
GUIDE	permitted for professional installers, system	(frequency of operation, power
GOIDE	integrators or end-users, describe the	settings, antenna types, DFS settings,
	differences.	receiver thresholds, or country code
		settings.
	a. What parameters are viewable and	No parameters are accessible or
	configurable by different parties?	modifiable by any parties
	b. What parameters are accessible or	No parameters are accessible or
	modifiable by the professional installer or system	modifiable by professional installers or
	integrators?	system integrators
	(1) Are the parameters in some way limited, so	None of the mentioned parameters are
	that the installers will not enter parameters that	adjustable or viewable
	exceed those authorized?	
	(2) What controls exist that the user cannot	None of the mentioned parameters
	operate the device outside its authorization in	are adjustable or viewable, thus not
	the U.S.?	configurable
	c. What parameters are accessible or modifiable	None of the mentioned parameters
	by the end-user?	are adjustable or viewable, thus not
		configurable (frequency of operation,
		power settings, antenna types, DFS
		settings, receiver thresholds, or
		country code settings).
	(1) Are the parameters in some way limited, so	There is no access to the parameters
	that the user or installers will not enter	either by UI or application, so it is not

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parameters that exceed those authorized?	possible to modify any parameter at all.
(2) What controls exist so that the user cannot operate the device outside its authorization in the U.S.?	None of the mentioned parameters are adjustable or viewable, thus not configurable (frequency of operation, power settings, antenna types, DFS settings.
d. Is the country code factory set? Can it be changed in the UI?	Yes. It cannot be changed in UI.
(1) If it can be changed, what controls exist to ensure that the device can only operate within its authorization in the U.S.?	None of the mentioned parameters are adjustable or viewable, thus not configurable (frequency of operation, power settings, antenna types, DFS settings, receiver thresholds, or country code settings).
e. What are the default parameters when the device is restarted?	The previously used settings will be loaded.
2. Can the radio be configured in bridge or mesh mode? If yes, an attestation may be required. Further information is available in KDB Publication 905462 D02.	The radio cannot be operated in bridge or mesh mode.
3. For a device that can be configured as a master and 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?	Not relevant, the device operates in client mode with wifi 5G.
4. For a device that can be configured as different types 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))	The device complies with the requirements as per Section 15.407(a). All RF configurations are part of the device software and factory controlled procedures only. It is not possible for an end user to alter the parameters.

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Signature