(2022.09.13)

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FCC ID: 2A8LX-30XYZ-ABC

Software security questions and answers per KDB 594280 D02:

	Software security questions and answers per KDB 594280 D02:			
Software Security description – General Description				
1	Describe how any software/firmware update will	We do not release the firmware on		
	be obtained, downloaded, and installed. Software	our website for downloading. Our		
	that is accessed through manufacturer's website	direct host manufacturer (OEM) can		
	or device's management system, must describe	request the firmware from us and it		
	the different levels of security.	will be made available via secure		
		server.		
2	Describe all the radio frequency parameters that	Radio frequency parameters are		
	are modified by any software/firmware without	limited by US regulatory domain		
	any hardware changes. Are these parameters in	and country code to limit frequency		
	some way limited, such that, it will not exceed	and transmit power levels. These		
	the authorized parameters?	limits are stored in non-volatile		
		memory by the module		
		manufacturer at the time of		
		production. They will not exceed		
		the authorized values.		
3	Describe in detail the authentication protocols	The firmware is installed on each		
	that are in place to ensure that the source of the	single module during		
	software/firmware is legitimate. Describe in	manufacturing process. The correct		
	detail how the software is protected against	firmware is verified and installed by		
	modification	the module manufacturer.		
		In addition, the firmware binary is		
		encrypted using open SSL		
		encryption and the firmware		
		updates can only be stored in		
		non-volatile memory when the		
		firmware is authenticated.		
		The encryption key is known by the		
		module manufacturer only.		
4	Describe in detail the verification protocols in	The process to flash a new firmware		
	place to ensure that installed software/firmware is	is using a secret key to decrypt the		
	legitimate	firmware, only correct decrypted		
		firmware is stored in non-volatile		
		memory (see #3).		
5	For a device that can be configured as a master	The device ensures the compliance		

	and client (with active or passive scanning),	by checking the configured				
	explain how the device ensures compliance for	parameter and operation values				
	each mode? In particular if the device acts as	according to the regulatory domain				
	master in some band of operation and client in	and country code in each band.				
	another; how is compliance ensured in each band	The device configured as a client				
	of operation?	without radar detection capability				
Software Security description – Third-Party Access Control						
1	Explain if any third parties have the capability to	No, third parties don't have the				
	operate a US sold device on any other regulatory	capability to access and change				
	domain, frequencies, or in any manner that is in	radio parameters. US sold modules				
	violation of the certification.	are factory configured to US.				
2	Describe, if the device permits third-party	N/A				
	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.					
3	For Certified Transmitter modular devices,	N/A				
	describe how the module grantee ensures that					
	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.					
	Software Security description – USER CON	NFIGURATION GUID				
1	Describe the user configurations permitted	There is no user configuration GUI.				
	through the UI. If different levels of access are					
	permitted for professional installers, system					
	integrators or end-users, describe the differences.					
	a. What parameters are viewable and	There is no user configuration GUI.				
	configurable by different parties?					
	b. What parameters are accessible or modifiable	This device is not subject to				
	to the professional installer?	professional installation				
	i. Are the parameters in some way					
	limited, so that the installers will not					
i	enter parameters that exceed those					

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		ii.	authorized? What controls exist that the user	
		11.		
			cannot operate the device outside its authorization in the U.S.?	
	C			The end user is not able to
	C.	c. What configuration options are available to the end-user?		configure any parameters related to
		the ch	iu-usci:	the devices radio
				the devices radio
		i.	Are the parameters in some way	The parameters can only be
			limited, so that the installers will not	changed remotely within the limits
			enter parameters that exceed those	of country code US.
			authorized?	of country code est
			uumonii in an	
		ii.	What controls exist that the user	The country code and regulatory
			cannot operate the device outside its	domain control do limit all the
			authorization in the U.S.?	parameters set
	d.	Is the	country code factory set? Can it be	The country code is factory set and
			ged in the UI?	is never changed by UI.
		i.	If so, what controls exist to ensure	The country code is factory set and
			that the device can only operate	is never changed by UI
			within its authorization in the U.S.?	
	e. What are the default parameters when the			At each boot up the country code
		device	e is restarted?	and the antenna gain are read from
				the non-volatile memory, those
				values are configured during
				production.
2	Can the radio be configured in bridge or mesh			Not supported
			yes, an attestation may be required.	
			formation is available in KDB	
	Pu	blicatio	on 905462 D02.	
3			ice that can be configured as a master	Not Supported
			t (with active or passive scanning), if	
			er configurable, describe what controls	
			hin the UI, to ensure compliance for	
			e. If the device acts as a master in some	
			d client in others, how is this configured	
	+		compliance?	
4			ice that can be configured as different	The device does not support these
	1 -		access points, such as point-to-point or	modes/features.
	_		nultipoint, and use different types of	
			describe what controls exist to ensure	
	co	mplian	ce with applicable limits and the proper	

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antenna is used for each mode of operation. See	
Section 15.407(a).	

Sincerely,

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