Software Security Requirements For U-NII Devices

•	General Description					
	 Describe how any software/firmware update will be obtained, downloaded, and installed. Ans: 					
	(a) It will be obtain	ned by the ODM	: 🛛 Yes	☐ No		
	(b) It will be down website	nloaded from the ODM	: Xes	☐ No		
	(c) It will be insta	led by the end-user	: 🔀 Yes	☐ No		
	any hardware chai	nges.		odified by any software/firmware without 2PC to include U-NII bands 2 & 3, update	d	
	option of inst	alling the new software	image to enal	oort site. Existing customers will have the ble operation on U-NII bands 2 & 3. ion are covered in later questions.	÷	
	Ans: The firmware	•	oinary file. It is	will not exceed the authorized parameters not possible to change the RF parameter		
	is legitimate? If so modification. Ans: Yes	describe in details; if no	ot, explain hov	re that the source of the software/firmwar w the software is secured from	e	
	·	ncludes a product name eventing non-compliant		ode signing algorithm for the firmware, r US-based customers.		
	(4) Are there any verification so, describe in det Ans: Yes	ails.	ce to ensure th	hat the software/firmware is legitimate? If	,	
	(5) Describe, if any, encryption methods used? Ans: Yes No					
		has been compiled as b nly format provided by t	•	s not possible to change the RF parameter	S.	
		an be configured as a m sures compliance for ea		nt (with active or passive scanning), explai	n	
	·	ed in each band of oper		of operation and client in another; how is		

This device can not be configured as a master and client.
Third-Party Access Control
(1) How are unauthorized software/firmware changes prevented?
Ans: This product includes a separate SKU for the US, Canada and Latin American market. The product sold in the US includes dedicated firmware to comply with the applicable FCC requirements. The end-user can only update the firmware with an image that complies with the FCC rules. This is accomplished by instituting a product name check and code signing for the firmware, effectively preventing non-compliant operation for US-based customers. (2) Is it possible for third parties to load device drivers that could modify the RF parameters, country of operation or other parameters which impact device compliance? If so, describe procedures to ensure that only approved drivers are loaded.
Ans: X Yes No
The end-user can upgrade the firmware to enable U-NII bands 2 and 3 after the FCC Part 15I Grant is updated to include these bands.
As detailed in the response to question 1, the product sold in the US includes dedicated firmware to comply with the applicable FCC requirements. The end-user can only update the firmware with an image that complies with the FCC rules. This is accomplished by instituting a product name check and code signing for the firmware, effectively preventing non-complian operation for US-based customers.
(3) Explain if any third parties have the capability to operate a US sold device on any other regulatory domain, frequencies, or in any manner that is in violation of the certification. Ans: Yes No
As detailed in the response to question1, we have assigned a separate product SKU for customers located in the US, Canada and Latin America. The end-user cannot enable any frequencies, regulatory domains, or operational modes that are not in compliance with the FCC requirements.
(4) What prevents third parties from loading non-US versions of the software/firmware on the device?
Ans: 🔀 Yes 🗌 No

II.

operation for US-based customers.

(5) For modular devices, describe how authentication is achieved when used with different hosts.

Ans: HP maintains control of the host products the radio modules will be installed in. Each Host device includes unique software to achieve authentication. This is accomplished by instituting a product name check and code signing for the firmware, effectively preventing non-compliant operation for US-based customers.

We ship a dedicated product SKU to US-based customers. The end-user can only update the firmware with an image that complies with the FCC rules. This is accomplished by instituting a product name check and code signing for the firmware, effectively preventing non-compliant

	the U.S.?			
	Ans: We have assigned a separate product SKU for customers located in the US, Canada and Latin America. The end-user cannot enable frequencies, country domains, or			
	operational modes that are not in fulll compliance with the FCC requirements.			
	(d) Is the country code factory set? Ans: Yes No			
	Can it be changed in the UI? Ans: Xes No			
	i) If so, what controls exist to ensure that the device can only operate within its authorization in the U.S.?			
	Ans: We have assigned a separate product SKU for customers located in the US, Canada and Latin America. The end-user cannot enable frequencies, country settings, or operational modes that are not in full compliance with the FCC requirements.			
	(e) What are the default parameters when the device is restarted? Ans: Factory setting: US country code			
2)	2) Can the radio be configured in bridge mode?			
	Ans: Yes No			
	Can the radio be configured in mesh mode?			
	Ans: Yes No			
(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 to ensure compliance. Ans: Yes No			
	This device can not be configured as a master and client.			

ii) What controls exist that the user cannot operate the device outside its authorization in