

Huawei Technologies Co.,Ltd.

Statement

Federal Communications Commission Oakland Mills Road Columbia MD 21046 2017-11-01

Subject: Statement for 5G Wi-Fi[™]

FCC ID: QISHDN-W09

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 v01r02. The information below describes how we maintain the overall security measures and systems so that only:

1. Authenticated software is loaded and operating on the device

2. The device is not easily modified to operate with RF parameters outside of the authorization

General Description	
1. Describe how any software/firmware update will	The software/firmware update is bundled, as part of
be obtained, downloaded, and installed. Software	the handset software update, and the user or
that is accessed through manufacturer's website or	installer cannot modify the content. The installation
device's management system, must describe the	and/or update proceeds automatically once the user
different levels of security.	accepts to install/update the software/firmware.
2. Describe all the radio frequency parameters that	The Software/Firmware in the device, controls the
are modified by any software/firmware without any	following RF parameters:
hardware changes. Are these parameters in some	1. Transmitter Frequency
way limited, such that, it will not exceed the	2. Transmitter Output Power
authorized parameters?	3. Receiver Frequency
	4. Channel Bandwidth
	5. RSSI calibration
	The Software/Firmware controls the RF parameters
	listed above so as to comply with the specific set of
	regulatory limits in accordance with the FCC grants
	issued for this device.
	The RF parameters are limited to comply with FCC
	rules and requirements during calibration of the
	device in the factory. Security keys (certification
	certificates) are in place to ensure that these
	parameters cannot be access by the User and/or a
	3rd party.

All software images are digitally signed with public	
key cryptography. Images are signed by private key	
stored in securely merged server, and verified by	
public key stored in a device when they are flashed	
into the device. Some SW images are verified with	
the public key when they are executed.	
The same as General Description Q3	
Software/firmware is not encrypted.	
This handset will only operate as a master device in	
hot spot mode and in Wi-Fi direct mode, both of	
which are limited to the 2.4GHz band on channels 1	
– 11 and 5GHz band on channels	
36/40/44/48/149/153/157/161/165.	
This device can only be configured as a client in all	
UNII bands where it operates using passive scanning	
techniques.	
3rd party does not have the capability	
3rd party cannot access SW/FW	
Not applicable – this is not a modular device	
SOFTWARE CONFIGURATION DESCRIPTION(如果能通过产品UI界面修改Wi-Fi相关参数,需要答 复此部分)	
NA	
1	
NA	
NA	
NA	

those authorized?	
ii) What controls exist that the user cannot operate	NA
the device outside its authorization in the U.S.?	
d) Is the country code factory set? Can it be changed	NA
in the UI?	
i) If so, what controls exist to ensure that the device	NA
can only operate within its authorization in the U.S.?	
e) What are the default parameters when the device	NA
is restarted?	
2. Can the radio be configured in bridge or mesh	NA
mode? 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	NA
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?	
4. For a device that can be configured as different	NA
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))	

Best Regards

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