Huawei Technologies Co.,Ltd.

Federal Communications Commission **2015-06-23**
Office of Engineering and Technology Laboratory Division
7435 Oakland Mills Road
Columbia MD 21046

Subject: Statements for LTE Carrier Aggregation and LTE TDD Band 41

FCC ID: **QISGRA-ULX0**

To Whom It May Concern:

We, HUAWEI TECHNOLOGIES CO., LTD. hereby declare that:

1) LTE Carrier Aggregation:

a) This device is implemented for Carrier Aggregation downlink only; other Release 10 features not supported include Uplink Carrier Aggregation, Enhanced SC-FDMA and Uplink MIMO or other antenna diversity configurations. All uplink are identical to the Release 8 Specifications.

b) This device support Intra-band contiguous Carrier Aggregation for LTE Band7, Band38 and Band41.

c) Intra-band contiguous CA operating bands

E-UTRA CA Band	CA Class	E-UTRA Band	Uplink (UL) operating band	Downlink (DL) operating band	Duplex Mode	CA Combinations	Maximum aggregated bandwidth MHz
CA_7	Class C	7	2500-2570MHz	2620 -2690MHz	FDD	15MHz+15MHz 20MHz+20MHz	40
CA_38	Class C	38	2570-2620MHz	2570 -2620MHz	TDD	15MHz+15MHz 20MHz+20MHz	40
CA_41	Class C	41	2555-2655MHz	2555 -2655MHz	TDD	10MHz+20MHz 15MHz+15MHz 15MHz+20MHz 20MHz+20MHz	40

d) The applicant has disabled the LTE Band 4 CA function by deleting LTE Band 4 CA in the CA bands function list of the software. It couldn't be enabled or modified by any other method. The user has no access to enable or modify this function, too. So it cannot be enabled by the user or for other unintended use.

2) LTE TDD Band41:

a) The operating bands of Band41 defined in 3GPP TS 36.101 is 2496 to 2690 MHz, but this device only support 2555 to 2655MHz. This is because of the hardware limitation. The saw filter we used for B41 TX and RX is a narrow band pass filter. The usable pass band of the filter is 2555~2655MHz. It can support only part of Band41, not

whole band; this is not restricted by software, and couldn't be extended by any other method.

b) According to 2.106 Table of Frequency Allocations, the 2555 to 2655 MHz is allocated for mobile use. When use the device under roaming conditions in the US, It is up to the service provider's network. We can ensure that the device will not transmit on any frequency that not granted.

3) The device complies with Part 27 (Subpart C) for LTE Band4 and LTE Band41.
4) The device have been tested and complies with all the following standards and KDBs

ANSI Std C95.1-1992	Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.(IEEE Std C95.1-1991)
IEEE Std 1528-2003	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
IEEE Std 1528a-2005	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques Amendment 1: CAD File for Human Head Model (SAM Phantom)
KDB941225 D05	SAR for LTE Devices v02r03
KDB941225 D05A	LTE Rel.10 KDB Inquiry Sheet v01r01
KDB941225 D06	Hot Spot SAR v02
KDB447498 D01	General RF Exposure Guidance v05r02
KDB648474 D04	Handsets SAR v01r02
KDB865664 D01	SAR measurement 100 MHz to 6 GHz v01r03
KDB865664 D02	SAR Reporting v01r01

Best Regards

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