Huawei Technologies Co.,Ltd

Date: 2016-06-07

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Subject: Requesting Class II permissive change for FCC ID: QISAP8130DN

To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for
FCC ID: QISAP8130DN, originally granted on 23 October, 2015.

There is no other hardware or electrical modification made to the product except following change only:

Two external antennas are added as a second source for 2.4G and 5G antennas separately.
Original 3T3R is changed to 2T2R, please see below for the antenna details.

Original 2.4G antenna:

Group 1

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
A	Nippon Antenna	C15G14Z100BY	External Antenna	N-type	5.5	2.4G
B	Nippon Antenna	C15G14Z100BY	External Antenna	N-type	5.5	2.4G
C	Nippon Antenna	C15G14Z100BY	External Antenna	N-type	5.5	2.4G

Group 2

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
A	pctel	MHODB24580407NM-LC	External Antenna	N-type	5.5	2.4G
B	pctel	MHODB24580407NM-LC	External Antenna	N-type	5.5	2.4G
C	pctel	MHODB24580407NM-LC	External Antenna	N-type	5.5	2.4G

Second source of 2.4G antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	PC-TEL	FP2327-18DP-HW	External Antenna	N-type	18.6	2.4GHz
2	PC-TEL	FP2327-18DP-HW	External Antenna	N-type	18.6	2.4GHz

For this second source antenna, a 13dB attenuators is used to make sure the Directional gain=5.6dBi.

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Original 5G antenna:

Group 1

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
A	Nippon Antenna	C15G14Z100BY	External Antenna	N-type	8	5G
B	Nippon Antenna	C15G14Z100BY	External Antenna	N-type	8	5G
C	Nippon Antenna	C15G14Z100BY	External Antenna	N-type	8	5G

Group 2

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
A	pctel	MHODB24580407NM-LC	External Antenna	N-type	8	5G
B	pctel	MHODB24580407NM-LC	External Antenna	N-type	8	5G
C	pctel	MHODB24580407NM-LC	External Antenna	N-type	8	5G

Second source of 5G antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Shenglu	SL12845A	External Antenna	N-type	20	5GHz
2	Shenglu	SL12845A	External Antenna	N-type	20	5GHz

For this second source antenna, a 12dB attenuators is used to make sure the Directional gain=8dBi.

If you have any questions regarding the authorization, please do not hesitate to contact us, thank you~

Sincerely,

Signature:  _____

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