

Request for Class II Permissive Change

Contains FCC ID: N7NEM7455

Date: 2020/7/16

Contains FCC ID: YE3600-AX200NG

To: Federal Communication Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MID 21046

Please be notified that we, the undersigned, (**DT Research, Inc.**) declare that the reasons for this Class II permissive change are as below:

--The technical information of the original module(FCC ID:YE3600-AX200NG) is shown in the following table:

Operation Frequency	Antenna types, Antenna Gain
Bluetooth: 2402MHz-2480MHz	PIFA, 3.24dBi
Bluetooth LE: 2402MHz-2480MHz	PIFA, 3.24dBi
802.11b/g/n: 2412MHz-2472MHz/2422MHz-2462MHz	PIFA, 3.24dBi
802.11a/n/ac: 5150MHz-5250MHz, 5250MHz-5350MHz, 5470MHz- 5725MHz, 5725MHz-5850MHz	PIFA, 5dBi

--The technical information of the original module(FCC ID: N7NEM7455) is shown in the following table:

Operation Frequency	Antenna types, Antenna Gain
WCDMA Band II: 1850MHz-1910MHz/1930MHz-1990MHz	Internal, 6.0dBi
WCDMA Band IV:1710MHz-1755MHz/2110MHz-2155MHz	Internal, 6.0dBi
WCDMA Band V: 824MHz-849MHz/869MHz-894MHz	Internal, 6.0dBi
LTE Band 2: 1850MHz-1910MHz/1930MHz-1990MHz	Internal, 6.0dBi
LTE Band 4: 1710MHz-1755MHz/2110MHz-2155MHz	Internal, 6.0dBi
LTE Band 5: 824MHz-849MHz/869MHz-894MHz	Internal, 6.0dBi
LTE Band 7: 2500MHz-2570MHz/2620MHz-2690MHz	Internal, 9.0dBi
LTE Band 12: 699MHz-716MHz/729MHz-746MHz	Internal, 6.0dBi
LTE Band 13: 777MHz-787MHz/746MHz-756MHz	Internal, 6.0dBi
LTE Band 25: 1850MHz-1915MHz/1930MHz-1995MHz	Internal, 6.0dBi
LTE Band 26: 814MHz-824MHz/859MHz-869MHz	Internal, 6.0dBi
LTE Band 30: 2305MHz-2315MHz/2350MHz-2360MHz	Internal, 1.0dBi
LTE Band 41: 2496MHz-2690MHz/2496MHz-2690MHz	Internal, 9.0dBi

--The technical information of this portable device is shown in the following table:

Operation Frequency	Antenna types, Antenna Gain
Bluetooth: 2402MHz-2480MHz	PIFA, 3.24dBi
Bluetooth LE: 2402MHz-2480MHz	PIFA, 3.24dBi
802.11b/g/n: 2412MHz-2472MHz/2422MHz-2462MHz	PIFA, 3.24dBi
802.11a/n/ac: 5150MHz-5250MHz, 5250MHz-5350MHz, 5470MHz- 5725MHz, 5725MHz-5850MHz	PIFA, 5dBi
WCDMA Band II: 1850MHz-1910MHz/1930MHz-1990MHz	Disabled by software.
WCDMA Band IV:1710MHz-1755MHz/2110MHz-2155MHz	Disabled by software.
WCDMA Band V: 824MHz-849MHz/869MHz-894MHz	Disabled by software.
LTE Band 2: 1850MHz-1910MHz/1930MHz-1990MHz	Internal, 6.0dBi
LTE Band 4: 1710MHz-1755MHz/2110MHz-2155MHz	Internal, 6.0dBi
LTE Band 5: 824MHz-849MHz/869MHz-894MHz	Internal, 6.0dBi
LTE Band 7: 2500MHz-2570MHz/2620MHz-2690MHz	Disabled by software.
LTE Band 12: 699MHz-716MHz/729MHz-746MHz	Internal, 6.0dBi
LTE Band 13: 777MHz-787MHz/746MHz-756MHz	Internal, 6.0dBi
LTE Band 25: 1850MHz-1915MHz/1930MHz-1995MHz	Disabled by software.
LTE Band 26: 814MHz-824MHz/859MHz-869MHz	Disabled by software.
LTE Band 30: 2305MHz-2315MHz/2350MHz-2360MHz	Disabled by software.
LTE Band 41: 2496MHz-2690MHz/2496MHz-2690MHz	Disabled by software.

Only the module's BT/BLE, 802.11a/b/g/n/ac, LTE Band 2/4/5/12/13 functions are used for this portable device, Other operating frequency bands will be disabled by software.

--RF module used in this portable device requires SAR testing compliance of which is not performed and demonstrated in Modular approval.

--Host product also contains a Sierra LTE module which has been authorized under FCC ID: N7NEM7455 dated on 07/28/2015, and contains a DT Research WLAN/BT Module which has been authorized under FCC ID: YE3600-AX200NG dated on 05/25/2020. SAR testing is required to evaluate simultaneous transmission of both modules.

Sincerely,

Print Name: JS Hsu

Title: Manager

Signature:



On behalf of Company: DT Research, Inc.

Telephone: 886-2-2298-1039 ext. 309

E-mail: js_hsu@dtri.com