

## Request for Class II Permissive Change

FCC ID: YE3600-AX210NG

Date: 2022/12/29

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:

-- Host product(Model: 313T/MD) also contains a DT Research WLAN/BT Module which has been authorized under FCC ID: YE3600-AX210NG, Granted at 05/06/2022.

--The antenna of the RF Single module approval used in this portable device has been replaced, and the replacement antenna specifications are shown in the following table:

| Operation Frequency  | Original<br>Antenna types, Antenna<br>Gain             | New<br>Antenna types, Antenna<br>Gain                |
|--|--|--|
| Bluetooth: 2402MHz-2480MHz   | PIFA Antenna, 3.24dBi                                  | PIFA Antenna, 1.8dBi                                 |
| Bluetooth LE: 2402MHz-2480MHz  | PIFA Antenna, 3.24dBi                                  | PIFA Antenna, 1.8dBi                                 |
| 802.11b/g/n/ax:<br>2412MHz-2472MHz/2422MHz-2462MHz   | PIFA Antenna,<br>Antenna1:3.24dBi,<br>Antenna2:3.24dBi | PIFA Antenna,<br>Antenna1:1.8dBi,<br>Antenna2:2.5dBi |
| 802.11a/n/ac/ax:<br>5180MHz-5240MHz, 5190MHz-5230MHz,<br>5210MHz-5210MHz, 5250MHz-5250MHz,<br>5260MHz-5320MHz, 5270MHz-5310MHz,<br>5290MHz-5290MHz, 5500MHz- 5700MHz,<br>5530MHz-5690MHz, 5710MHz-5710MHz,<br>5720MHz-5720MHz, 5745MHz-5825MHz,<br>5755MHz-5795MHz, 5775MHz-5775MHz, | PIFA Antenna,<br>Antenna1:5dBi,<br>Antenna2:5dBi       | PIFA Antenna,<br>Antenna1:3.2dBi,<br>Antenna2:6.8dBi |

-- The RF power of the host product will be reduced by software at the time of production and cannot be adjusted by the end user. And the RF output power of the main antenna in MIMO mode is lower than in SISO mode.

-- The PIFA antenna used in this product only supports up to 6GHz, the band above 6GHz (5925-7125MHz) will be blocked by the software.

Sincerely,

Print Name: JS Hsu

Title: Manager

Signature:

A handwritten signature in blue ink, appearing to read 'JS Hsu', is positioned below the 'Signature:' label.

On behalf of Company: DT Research, Inc.

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

E-mail: js\_hsu@dttri.com