

Guangzhou Xaircraft Technology CO.,LTD

Federal Communications Commission

7435 Oakland Mills Road

Columbia MD 21046

Attn: OET Dept.

Ref: FCC Class II Permissive Change for FCC ID: 2A46G-EG25-G

(Original Grant date: 08/03/2022)

Applicant: Guangzhou Xaircraft Technology CO.,LTD

Dear Examiner,

This is to request a Class II permissive change for FCC ID: 2A46G-EG25-G
Product description: LTE Module

originally granted on 08/03/2022

The major change filed under this application is:

For the above indicated device and pursuant to CFR 2.1043 Quectel Wireless Solutions Company Limited. Hereby requests the evaluation of a Class II permissive change for FCC as described below.

The major change filed under this application is:

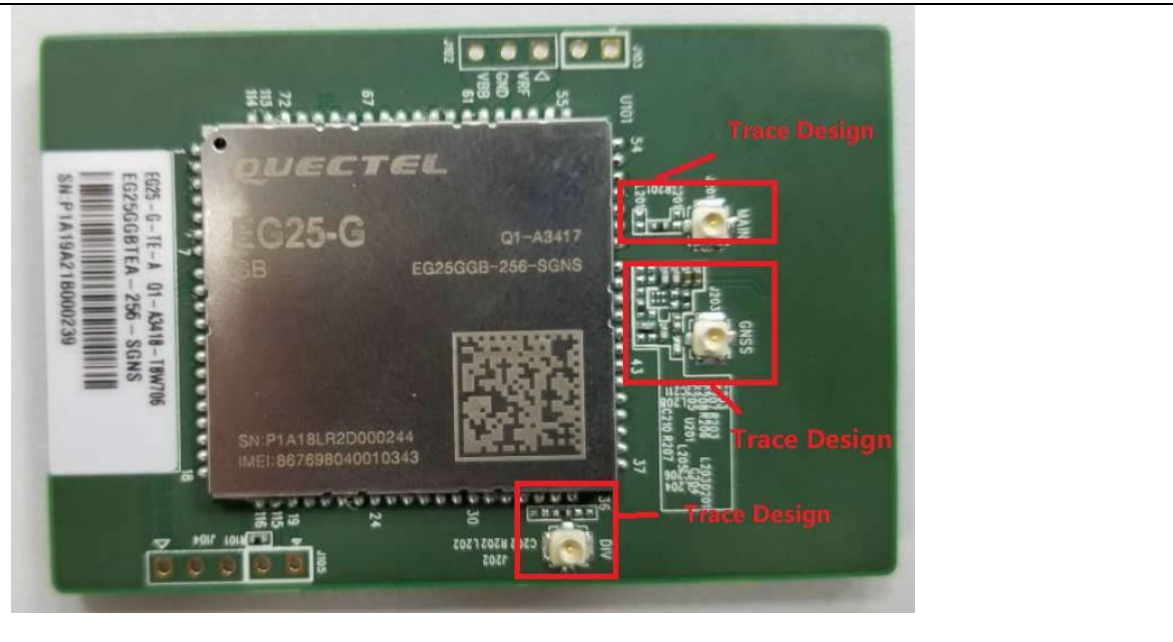
1. Change antenna type and antenna gain

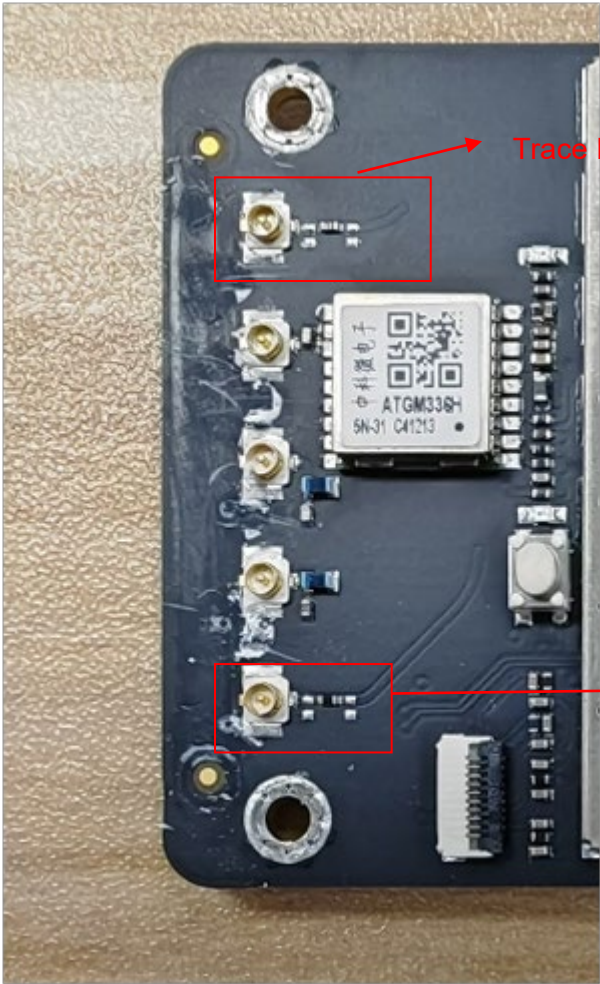
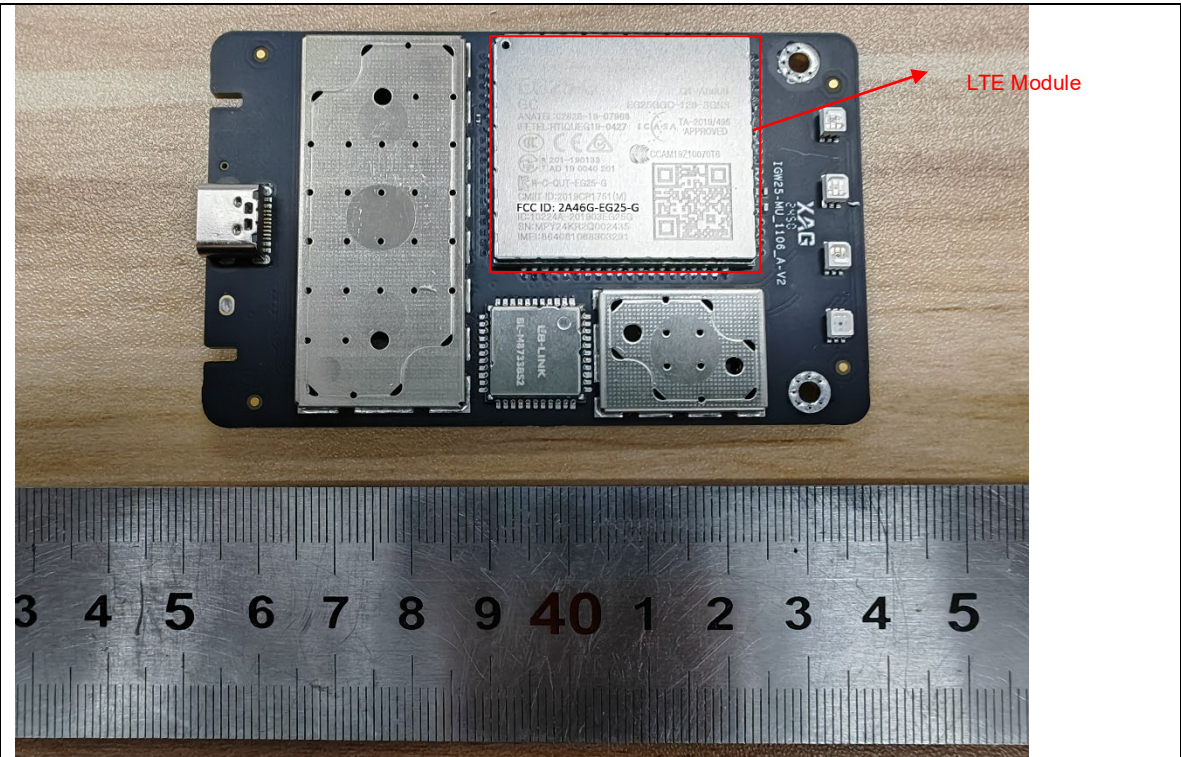
| Original Antenna | |
|------------------|---|
| Type | External antenna |
| Gain | GSM850: 2.29dBi; GSM1900:1.59dBi ; WCDMA BAND II:1.59dBi ; WCDMA BAND IV:2dBi ; WCDMA BAND V:2.29dBi ; LTE BAND 2:1.59dBi; LTE BAND 4:2dBi; LTE BAND 5:2.29dBi; LTE BAND 7: 3dBi; LTE BAND 12: 3.26dBi; LTE BAND 13: 4.45dBi; LTE BAND 25: 1.59dBi; LTE BAND 26: 2.53dBi; LTE BAND 38: 2.06dBi; |

| | |
|--|--------------------|
| | LTE BAND 41: 3dBi; |
|--|--------------------|

| | |
|-------------|---|
| New Antenna | Type: FPC antenna LTE BAND 2: 2.35dBi; LTE BAND 4: 1.63dBi; LTE BAND 5: 0.75dBi; LTE BAND 7: 2.81dBi; LTE BAND 25: 2.35dBi; LTE BAND 26: 0.75dBi; LTE BAND 38: 2.69dBi; LTE BAND 41: 2.69dBi; |
|-------------|---|

2. Change the trace design

| |
|---|
| Original |
|  <p>The image shows a green PCB with a Quectel EG25-G module. Three red boxes highlight specific components and their trace designs:</p> <ul style="list-style-type: none">WAVE: A connector at the top right, with a red box around it and a red arrow pointing to the label "Trace Design".GNSS: A connector below WAVE, with a red box around it and a red arrow pointing to the label "Trace Design".ANTENNA: A connector at the bottom right, with a red box around it and a red arrow pointing to the label "Trace Design". |
| New |



Trace Design

3. GNSS is passive.
4. GSM & WCDMA are disabled by manufacturer, and end user can't access.
5. LTE BAND 12 & LTE BAND 13 are disabled by manufacturer, and end user can't access.
6. Power was lowered.
7. Based on above change, the device conduct RADIATED POWER and RADIATED SPURIOUS EMISSIONS testing.

If you have any questions regarding this application, please feel free to contact me.

Best Regards,

(Signature*)

Elaine Wu

Company Name: Guangzhou Xaircraft Technology CO.,LTD

Contact Name: Elaine Wu

Title of Person: Product Certification Engineer

Guangzhou Xaircraft Technology CO.,LTD

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Date: 4/8/2025