

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:

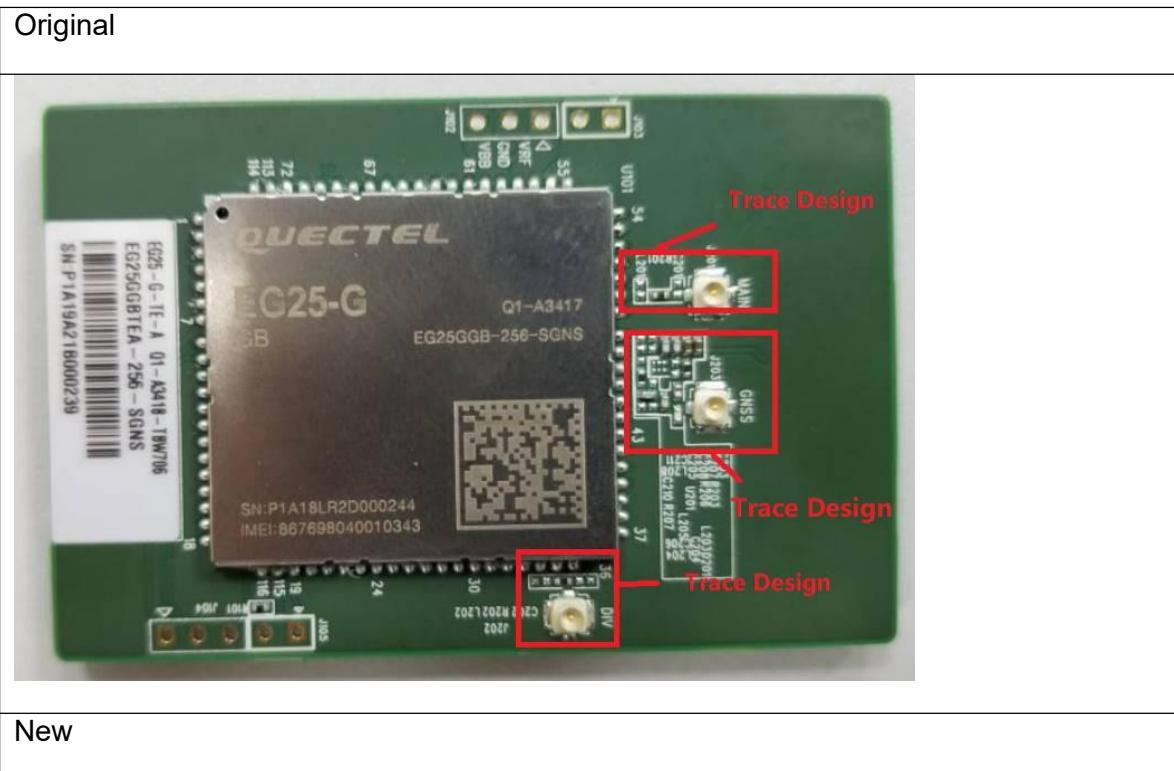
1. Change antenna type and antenna gain

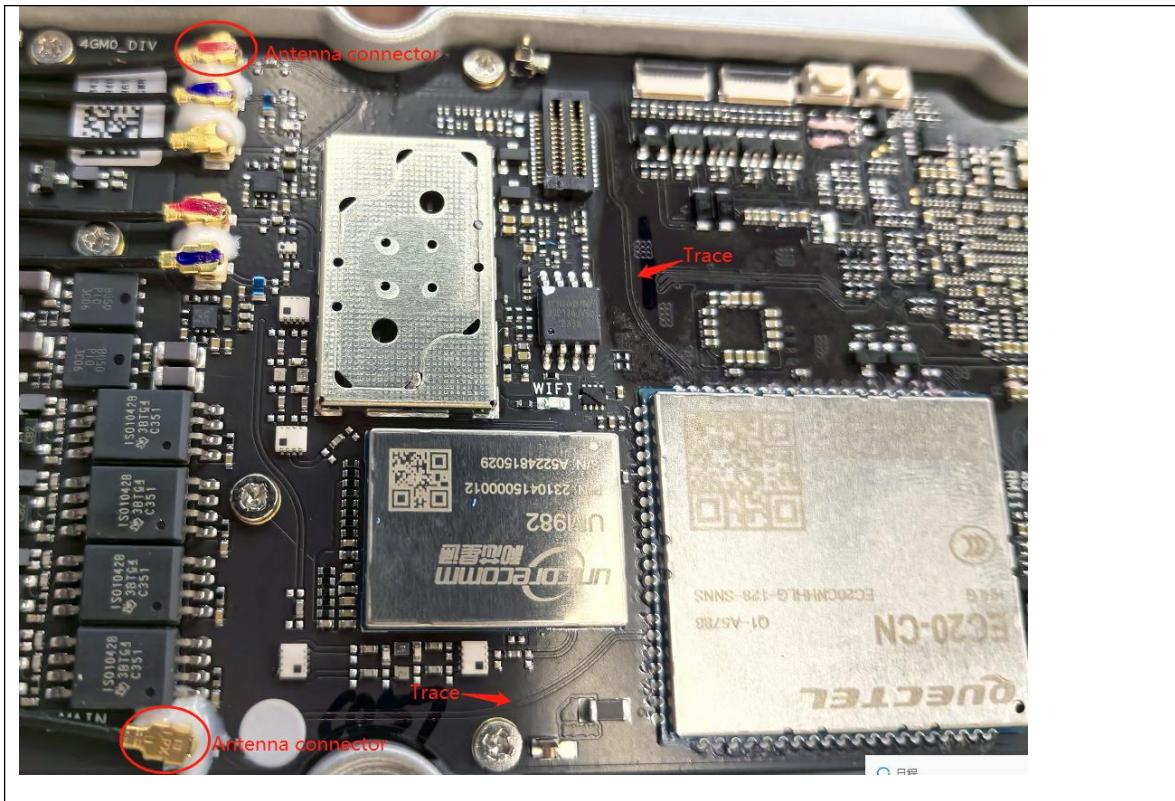
Original Antenna	
Type	External antenna
Gain	GSM850: 2.29dBi; GSM1900:1.59dBi ; WCDMA BAND II:1.59dBi ; WCDMA BAND IV:2dBi ; WCDMA BAND V:2.29dBi ; LTE BAND 2:1.59dBi; LTE BAND 4:2dBi; LTE BAND 5:2.29dBi; LTE BAND 7: 3dBi; LTE BAND 12: 3.26dBi; LTE BAND 13: 4.45dBi; LTE BAND 25: 1.59dBi; LTE BAND 26: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

	LTE BAND 41: 3dBi;
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New Antenna AN0827-FPC73BFK	Type: FPC antenna GSM850: 2.74dBi; GSM1900:3.26dBi ; WCDMA BAND II:3.26dBi ; WCDMA BAND IV:3.26dBi ; LTE BAND 2:3.26dBi; LTE BAND 4:3.26dBi; LTE BAND 5:2.74dBi; LTE BAND 7: 3.40dBi; LTE BAND 12: 1.22dBi; LTE BAND 13: 1.22dBi; LTE BAND 25: 3.26dBi; LTE BAND 26: 2.74dBi; LTE BAND 38: 3.40dBi; LTE BAND 41: 3.40dBi;
New Antenna K011	Type: FPC antenna GSM850: 4.01dBi; GSM1900:3.94dBi ; WCDMA BAND II:3.94dBi ; WCDMA BAND IV:2.49dBi ; LTE BAND 2:3.94dBi; LTE BAND 4:2.49dBi; LTE BAND 5:4.01dBi; LTE BAND 7: 3.20dBi; LTE BAND 12: 2.65dBi; LTE BAND 13: 4.01dBi; LTE BAND 25: 3.94dBi; LTE BAND 26: 4.01dBi; LTE BAND 38: 3.44dBi; LTE BAND 41: 3.44dBi;

2. Change the trace design





3. GNSS is disabled by software.
4. WCDMA B5 is disabled by manufacturer, and end user can't access.
5. GSM power was lowered.

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

Address: Block C, 115 Gaopu Rd, Tianhe Dist Guangzhou Guang-dong 510663

China

Date: 9/29/2024