Shenzhen Chuangwei-RGB Electronics Co., Ltd.

FCC Class II Permissive Change Request Letter

04/28/2025

To FCC:

RE: FCC Permissive II Change Request for Company: Shenzhen Chuangwei-RGB Electronics Co., Ltd. **FCC ID: 2ANM3T7663B2**

We are submitting an application for a class II permissive change to the FCC approval of the Company name: Shenzhen Chuangwei-RGB Electronics Co., Ltd., product description: 2T2R Wi-Fi + Bluetooth Module (FCC: **2ANM3T7663B2**, Original Grant Date: 11/26/2024). The transmitter module itself has not changed. Here are the changes:

original antenna information as follows:

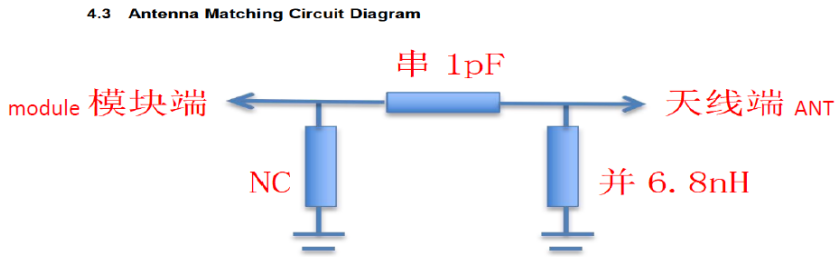
Brand	Model	Type	Gain	Function
DONGGUAN TECONN ELECTRONICS TECHNOLOGY CO .,LTD.	W300232-B-0N-R	On-board Antenna	2402MHz to 2480MHz : 3.01dBi ; 2412MHz to 2462MHz : 3.01dBi ; 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi	WIFI 2.4G / WIFI 5G
DONGGUAN TECONN ELECTRONICS TECHNOLOGY CO .,LTD.	W300232-B-0N-R	On-board Antenna	2402MHz to 2480MHz : 3.01dBi ; 2412MHz to 2462MHz : 3.01dBi ; 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi	WIFI 2.4G / WIFI 5G
DONGGUAN TECONN ELECTRONICS TECHNOLOGY CO .,LTD.	W300232-B-0N-R	On-board Antenna	2402MHz to 2480MHz : 3.01dBi ; 2412MHz to 2462MHz : 3.01dBi ; 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi	BT BLE/BDR+EDR

Change 1: **Add additional antenna as follows**

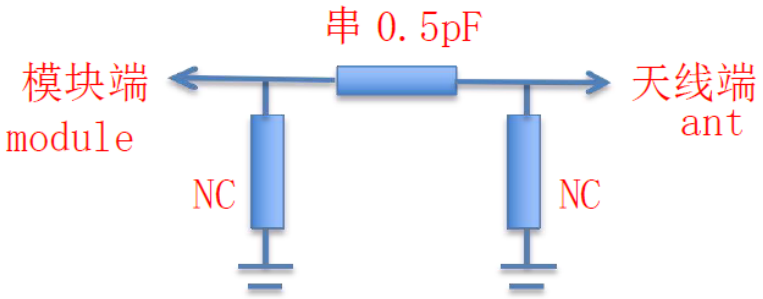
Brand	Model	Type	Gain	Function
Shenzhen yishengbang Technology CO.,LTD	SLK-CW-T1008	PIFA	2412MHz to 2462MHz : 2.37dBi ; 5150MHz to 5350MHz: 4.39dBi, 5470MHz to 5725MHz: 4.72dBi, 5725MHz to 5850MHz: 4.26dBi	WIFI 2.4G / WIFI 5G
Shenzhen yishengbang Technology CO.,LTD	SLK-CW-T1008	PIFA	2412MHz to 2462MHz : 2.37dBi ; 5150MHz to 5350MHz: 4.39dBi, 5470MHz to 5725MHz: 4.72dBi, 5725MHz to 5850MHz: 4.26dBi	WIFI 2.4G / WIFI 5G
Shenzhen Chuangwei-RGB Electronics Co., Ltd.	IFA	PCB	4.30 dBi	BT BLE/BDR+EDR

The WiFi antenna matching circuit is the same as the original application, and the WiFi and Bluetooth antenna matching circuit changes, but the position of the RF conduction test point is not affected by the matching circuit, and the matching circuit changes as follows :

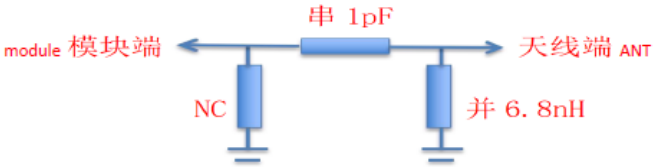
Bluetooth original antenna matching circuit:



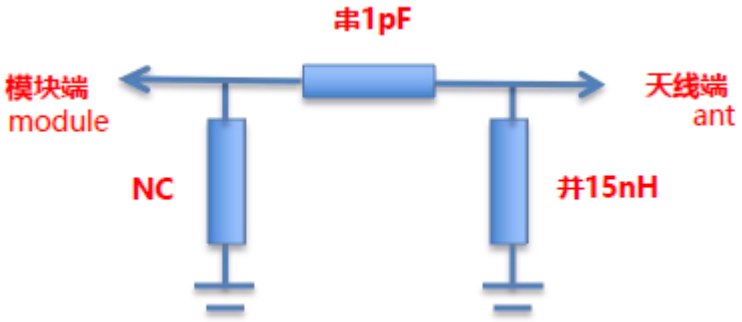
Bluetooth added antenna matching circuit:



Wlan original antenna matching circuit:



Wlan added antenna matching circuit:



Sincerely,

Dan Fang

Client's name / title：Dan Fang / Certification Engineer
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