

July 17, 2026

Federal Communications Commission  
Equipment Authorization Division  
7435 Oakland Mills Road  
Columbia, MD  
21046USA

Attn: OETDept.

Ref: FCC Class II Permissive change for FCCID: [2BB64CQS290](#),

Applicant: [Cavli Inc.](#)

Dear Examiner,

This is to request a Class II Permissive change for FCCID: [2BB64CQS290](#) originally granted on [06/27/2025](#).

The Major change filed under this application is:

① Below listed are the changes in CQS290 from certificated HW version 2.2 to New HW version 3.0

| S.No. | Feature                                      | HW V2.2                            | HW V3.0                                                                            |
|-------|----------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|
| 1.    | LGA Pin-16                                   | Unconnected                        | Connected to USB_PHY_HS through 0 ohm (GPIO_89 of Baseband).                       |
| 2.    | Passives package                             | 0201                               | 01005                                                                              |
| 3.    | GNSS filter                                  | B13 filter not present             | Added B13 filter for GNSS                                                          |
| 4.    | LGA Pin 125                                  | Shorted with LGA pin 111           | Introduced U16 (P/N - NCP160AFCS180T2G) to provide 1.8 V IOVDD. Enabled by GPIO_59 |
| 5.    | 2 <sup>nd</sup> external SIM                 | Only single external SIM possible. | Added provision for 2 <sup>nd</sup> external SIM, through 0Ω                       |
| 6.    | LGA Pin-126 (VRTC)                           | Unconnected                        | Connected to VCOIN (Pin-H16) of PMIC.                                              |
| 7.    | Pin 129                                      | 2.8V Supplied from PM4125          | 2.8V supplied from U15 NCP160AMX280TBG                                             |
| 8.    | L-matching for RF Duplexers and SAW Filters  | L-matching not present             | L-matching present (series 0 ohm and shunt DNI) Not impacting Tx Power             |
| 9.    | 1 uF decap for USB_IN_MID (Pin-H12 of PMIC). | Decoupling capacitor not present   | Decoupling capacitor present                                                       |

### WiFi Changes

1. Change in CLK\_IN path.

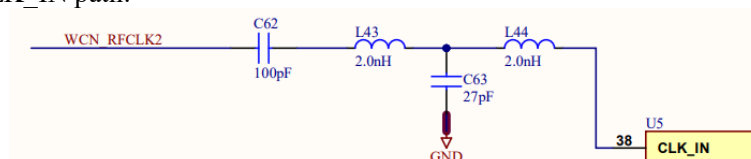


Figure 1. V3.0

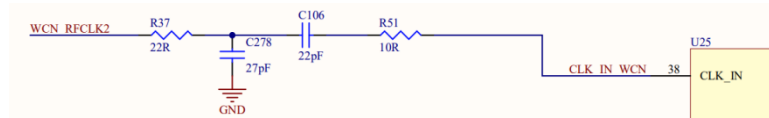


Figure 2. V2.2

2. C287, C288 changed from 18pF to 1.6 pF (C67, C68).
3. FM antenna path changed.

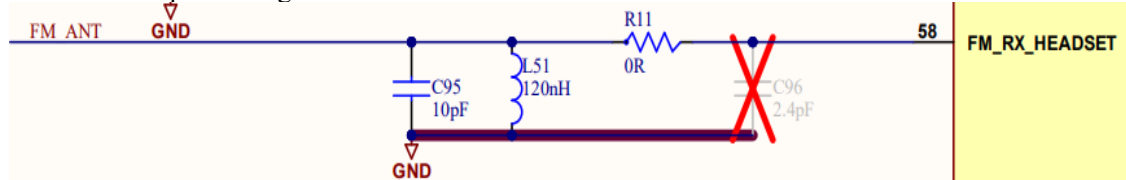


Figure 3. V3.0

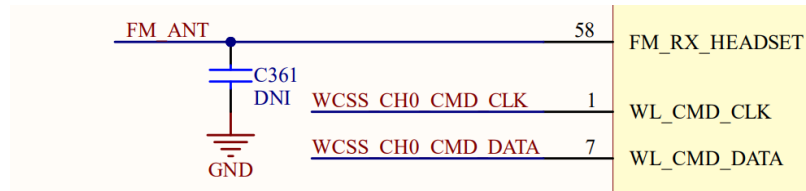


Figure 4. V2.2

4. C290 changed from 1 nF to 0.47 uF (C92).
5. C314 changed from 1 nF to 0.47 uF (C91).
6. XPST\_CTRL (Pin-42) of WCN3950 grounded through 0R from not connected state

### RF Front-end L Matching

1. L-matching added for B7 Duplexer, B1261. ( added series 0ohm and shunt DNI )

#### High Band DUPLEXERS

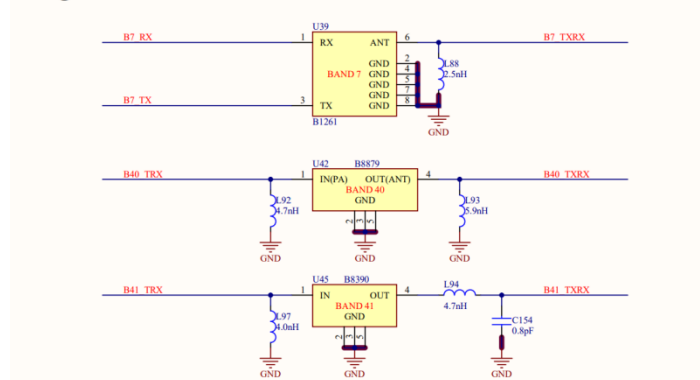


Figure 5. V2.2

## High Band DUPLEXERS

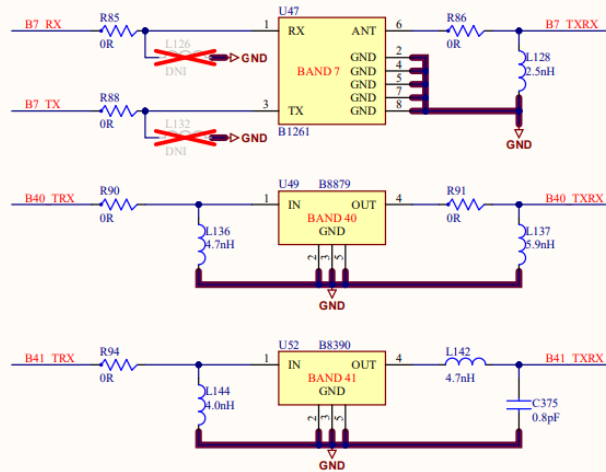


Figure 6. V3.0

② RF & WiFi/BT is performed to demonstrate compliance.

③ Software security/DTS UII declaration/Modular Approval Request FCC remains unchanged from the original application.

Please kindly review the application documents submitted and grant approval for this Permissive Change application.

**Name:** Tarun Thomas George

**Date:** 2026-07-23

**Title:** Chief Operations Officer

**Signature of applicant:** *Tarun Thomas George*