



Modular Approval Letter

Date: September 13, 2018

FEDERAL COMMUNICATIONS COMMISSIONS
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Subject: Modular Approval Letter

The Device, FCC ID: [U9RWM828CC6](#), is seeking FCC authorization as a modular transmitter. The EUT meets the requirement for modular approval as detailed in FCC Public Notice DA 00-1407. Compliance to each of the requirements is described below:

1. The modular transmitter must have its own RF shielding.

Ans: WM828CC6 module is covered with an RF shield on the top – see EUT pictures.

2. The modular transmitter must have buffered modulation/data inputs.

Ans: WM828CC6 module has buffered data inputs to ensure full compliance under FCC's regulatory requirements.

3. The modular transmitter must have its own power supply regulator.

Ans: WM828CC6 module uses Marvell's 88W8887 chipset which consists of built-in power regulators. The entire module is driven by 3.3V DC power supply, provided by the host device it is connected to.

4. The modular transmitter must comply with the antenna requirement of section 15.203 and 15.204(c).

Ans: WM828CC6 module was fully tested using our own external Rubber-Duck antenna. This antenna was always connected to the WM828CC6 module's onboard MHF4 IPEX RF connector using an MHF4 IPEX to SMA connector cable. All test-results indicate full compliance with all regulatory requirements.

5. The modular transmitter must be tested in a stand-alone configuration.

Ans: WM828CC6 module was fully tested in a stand-alone configuration and always placed outside the host device during testing. It used an SDIO interface/connector to communicate with the host system – see Test-Setup photos.

6. The modular transmitter must be labeled with its own FCC ID number.

Ans: WM828CC6 module has an RF shield on its top which is labeled with its own FCC ID number – see Shield Marking in the User Manual.

QA-FR-175-A

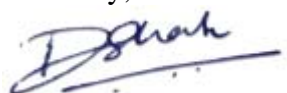
7. The modular transmitter must comply with any specific rule or operating requirements and the manufacturer must provide adequate instruction along with the module to explain any such requirements.

Ans: WM828CC6 module is fully compliant with all rules and operating requirements under FCC's regulatory guidelines. All details and instructions required for the operation of the WM828CC6 module have been provided in the User Manual.

8. The modular transmitter must comply with any applicable RF exposure requirements.

Ans: WM828CC6 module is fully compliant with all the applicable RF Exposure requirements under FCC's regulatory guidelines – see all results in the Test-Report.

Sincerely,

A handwritten signature in blue ink, appearing to read 'D. Shah', with a horizontal line underneath.

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