

Request for Limited Modular Approval

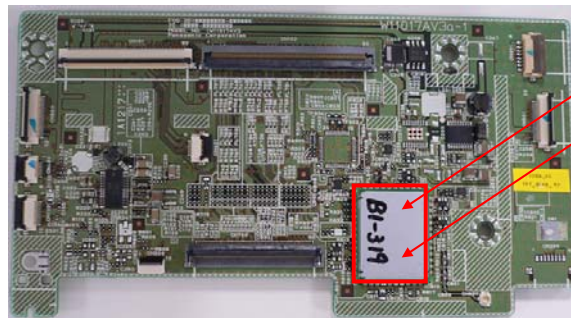
August 2, 2012
PAS-12-F001

Re: Request for Limited Modular Approval for Bluetooth Module Assembly
Models YEAP01A446 and YEAP01A473 / FCC ID: ACJ932YEAP01A446

The Bluetooth Modular Assembly, Mode YEAP01A473WLAN is designed by Panasonic Automotive Systems Company. This modular transmitter will be equipped and used only in Car Audio, which is produced by Panasonic Corporation. The modular transmitter complies the module basic requirement (Item 1 to 8) in FCC Part 15 Subpart C Section 15.212 as indicated below:

(1) Have its own RF shielding:

This modular transmitter has its own RF shielding, which covers the RF circuitry on the PWB. Refer to below photograph.



RF Shield
RF Block

(2) The modular transmitter must have buffered modulation/data inputs:

Data input to this modular transmitter is controlled as not generating excessive data speed and abnormal modulation.

(3) The modular transmitter must have its own power supply regulation:

The RF module is provided with stable power supply DC 3.3V and DC1.8V from the host device, therefore, the equipment complies with the power supply regulation.

(4) The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c):

This equipment has a unique coupling antenna connector(U.FL) , and the installation is to be done by the professionals. Therefore, the equipment complies with the antenna requirement of section 15.203.

(5) Tested in a stand-alone configuration: The modular transmitter has been performed the testing as a stand alone and then confirmed the compliance.

Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in FCC § 15.207. AC or DC power lines and data input/output lines connected to the module must not contain ferrites, unless they will be marketed with the module. The length of these lines shall be the length typical of actual use or, if that length is unknown, at least 10 centimeters to insure that there is no coupling between the case of the module and supporting equipment. Any accessories, peripherals, or support equipment connected to the module during testing shall be unmodified and commercially available: This module is only installed to devices for vehicles; therefore it will never be supplied AC power and the test for FCC §15.207 is not conducted. DC power lines and data input/output lines do not contain ferrites and the lengths of these lines are typical of actual use. All peripherals used during the testing are unmodified and commercially available. Please refer to the test report.

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- (6) Equipped with either a permanently affixed label or must be capable of electronically displaying its FCC ID: FCC ID is shown on the label and permanently affixed to this modular transmitter. Please refer to the label drawing. If the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module: If the FCC ID is not visible, FCC ID will also be displayed on the host device. Please refer to the installation manual.
- (7) Comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements: The necessary explanation to be complied with this requirement is contained in the manual. Please refer to the installation manual.
- (8) Comply with any applicable RF exposure requirements in its final configuration: The modular transmitter complies with FCC radiation exposure requirement. Please refer to the RF Exposure Statement.

Sincerely Yours,

Richard Mullen

Richard Mullen
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