

IC No : 1551C-KCS
Model : KCS
Applicant : DENSO WAVE INCORPORATED

Issued date : February 3, 2004

Request for Limited Modular Approval

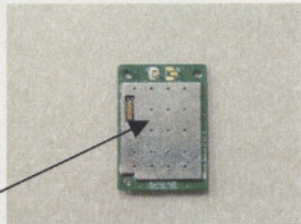
The modular transmitter (Model: KCS) is designed by DENSO WAVE INCORPORATED.

This modular transmitter will be equipped only on Bar code Scanner which is produced by DENSO WAVE INCORPORATED or the manufacturer consigned the production by DENSO WAVE INCORPORATED.

The modular transmitter complies the module basic requirement (Item 1 to 8) in FCC Public Notice: Part 15 Unlicensed Modular Transmitter Approval(DA00-1407) as indicated below:

[Module basic requirement]

- (1) Have its own RF shielding.: This modular transmitter has it own RF shielding. Please refer to the A1 Photo.



A1 Photo(Modular transmitter)

RF Shielding

- (2)The modular transmitter must have buffered modulation/data inputs.: Data input to Modular transmitter is controlled as not generating excessive data speed and abnormal modulation.
- (3)The modular transmitter must have its own power supply regulation.:
This modular transmitter provides stable voltage(DC3.3 to 3.5V) constantly to RF Module regardless of input voltage.
Please refer to the P2 power supply block diagram.
- (4)The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c):. The antenna of this equipment is installed into the chassis. So, it is impossible for users to disconnect it. Accordingly, it is complied.
- (5)The modular transmitter must be tested in a stand alone.: The modular transmitter has been performed the testing as a stand alone and then confirmed the compliance. Please refer to the Test report. (No.24DE0125-HO-2)
- (6)The modular transmitter must be labeled with its own FCC ID number, and, 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.: This modular transmitter is complied with this requirement.
Please refer to the P3 Label drawing and location.
- (7)The modular transmitter must comply with any specific rule or operating requirements applicable to the 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.
- (8)The modular transmitter must comply with any applicable RF exposure requirements.:
This modular transmitter was performed SAR testing in accordance with FCC47CFR 2.1093FCC OET Bulletin 65 Supplement C and found the conformance to all requirements of the above mentioned rules.
Please refer to the Test report. (No.24FE0211-HO-1)
Bar code Scanner which was used in SAR testing is the worst model of all Bar code Scanner produced by DENSO WAVE INCORPORATED in that the distance between the surface of Bar code Scanner and radiation antenna is shortest (4.77mm).Please refer to the P4 antenna location.

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