



Garmin International, Inc.
1200 East 151st Street
Olathe Kansas 66062
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March 6, 2012

BABT TCB Forsyth House,
Churchfield Road,
Walton-on-Thames,
Surrey,
KT12 2TD.

Class II Permissive Change Request *Garmin VHF 100 & 200*

Dear Sir / Madam,

We would like to request a Class II Permissive Change of the *Garmin VHF 100 & 200*, FCC ID: *IPH-GARVHF12*

The device is identical to the previously certified *Garmin VHF 100 & 200* but with the following changes:

- a. Replace dual PLL IC (see VHF100200_RF_Discontinue_Mar252011.pdf, IC003)
 - i. Current part Toshiba TB31202FN; New part Gaintech GP214D (see GP214D.pdf)
 - ii. No PCB change required; drop-in replacement

- b. Replace main receiver IF IC (see VHF100200_RF_Discontinue_Mar252011.pdf, IC005)
 - i. Current part Toshiba TA31136; New part Gaintech GT3136 (see GT3136 datasheet Preliminary.pdf)
 - ii. No PCB change required; drop-in replacement

- c. Replace DSC receiver IF IC (see VHF100200_RF_Discontinue_Mar252011.pdf, IC201)
 - i. Current part Toshiba TA31136; New part Gaintech GT3136 (see GT3136 datasheet Preliminary.pdf)
 - ii. No PCB change required; drop-in replacement

- d. Replace Hailer amplifier IC (see VHF200HAILER_Discontinue_25Mar2011.pdf, IC503)
 - i. Current part Philips TDA1519C; New part Sanyo LA4725 (see LA4725.pdf)
 - ii. Will involve a PCB change (see VHF200HAILER_NewAmp_25Mar2011.pdf, IC503 and surrounding circuits)
 - iii. This change applies to VHF200(i) only.

- e. Replace NMEA2000 digital isolator IC with an optocoupler IC (see VHF200HAILER_Discontinue_25Mar2011.pdf, IC506)
 - i. Current part Analog Devices ADuM1201; New part Avago ACSL-6210 (see AV02-0235EN.pdf)
 - ii. Will involve a PCB change (see VHF200HAILER_NewAmp_25Mar2011.pdf, PC502 and surrounding circuits)
 - iii. This change applies to VHF200(i) only.

If you have any questions relating to this application, please do not hesitate to contact me.

Yours Sincerely,

A handwritten signature in black ink, appearing to read "John P. Farley". The signature is written in a cursive style with a large initial "J".

John P. Farley
Senior Compliance Engineer