

ROGERS LABS, INC.

4405 West 259th Terrace
Louisburg, KS 66053
Phone / Fax (913) 837-3214

June 24, 2002

Federal Communications Commission
Equipment Approval Services
P.O. Box 35815
Pittsburgh, PA 15251-3315

Applicant: GARMIN INTERNATIONAL, INC.
1200 East 151st Street
Olathe, KS 66062
Phone: (913) 397-8200

RE: Request for additional information

Equipment: FCC ID: IPH-00568
FCC Rules: Parts 2, and 95.

Gentlemen:
A portion of the request is reproduced below.

To: Scot Rogers, Rogers Labs, Inc.
From: Diane Poole
dpool@fcc.gov
FCC Application Processing Branch

Re: FCC ID IPH-00568
Applicant: Garmin International Inc
Correspondence Reference Number: 23207
731 Confirmation Number: EA910136

1. Please submit ERP Power measurement for FRF and GMRS mode using Substitution method (as described in the ANSI/TIA/EIA -603-1992 document) 2. Please show the emission Mask plot as required by 95.635(b).

RESPONSE:

1. ERP power measurements for FRS and GMRS mode .
Channel frequency 462.5625 MHz (FRS)

Frequency of Emission (MHz)	Amplitude of emission		Signal level to dipole required to reproduce	
	Horizontal	Vertical	Horizontal	Vertical
	dBµV	dBµV	dBm	dBm
462.562	89.3	102.7	11.5	24.0

Channel frequency 462.6000 MHz (GMRS)

Frequency of Emission (MHz)	Amplitude of emission		Signal level to dipole required to reproduce	
	Horizontal	Vertical	Horizontal	Vertical
	dBμV	dBμV	dBm	dBm
462.600	93.0	108.0	14.0	29.0

2. Emission mask B of 95.635(b) specifies (1) on any frequency removed the assigned frequency by more than 50% but not more than 100% of the authorized bandwidth at least 25 dB. (2) 100% to 250% 35 dB and (3) greater than 250% at least $43 + 10\log(P)$ dB. This emission mask has been added and is displayed below.

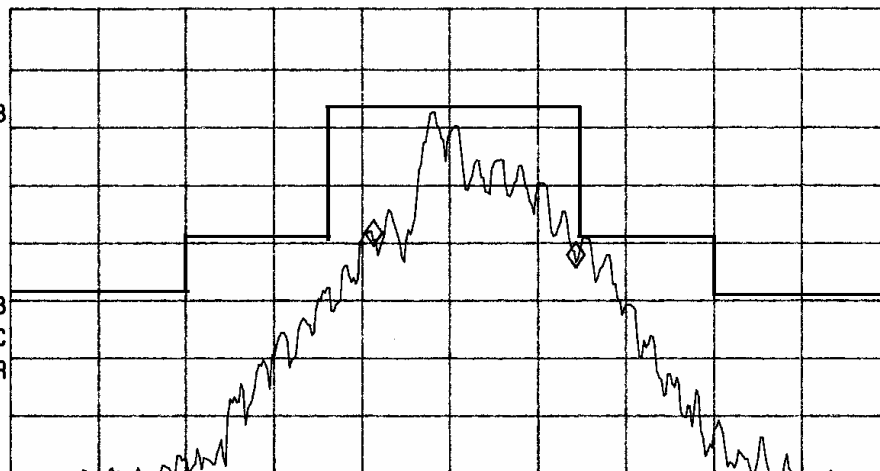
MARKER Δ
5.75 kHz
-3.81 dB

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 5.75 kHz
-3.81 dB

LOG REF -10.0 dBm

10
dB/
ATN
10 dB

WA SB
SC FC
CORR



CENTER 467.56250 MHz

#IF BW 300 Hz

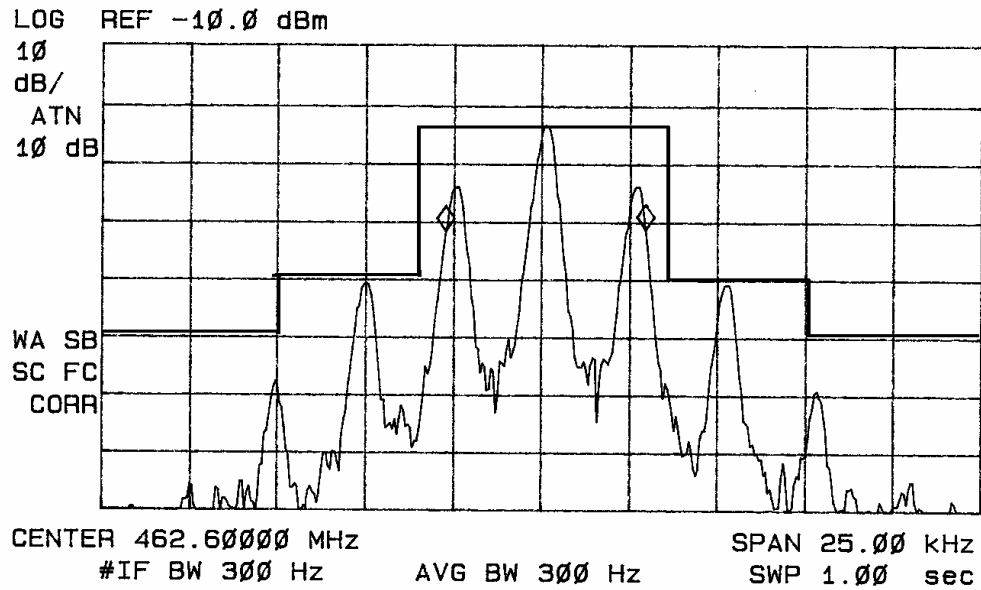
AVG BW 300 Hz

SPAN 25.00 kHz

SWP 1.00 sec

MARKER Δ
5.69 kHz
.38 dB

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 5.69 kHz
.38 dB



Thank you for your help in resolving these issues. Please continue with the grant of certification process.
Scot Rogers
Rogers Labs, Inc.