

From: Raymond Laforge [RLAFORGE@fcc.gov]
Sent: Monday, September 24, 2001 4:40 AM
To: MikeKuo@CCSEMC.com
Cc: Rich Fabina
Subject: RE: Grant condition - TCB Inquire

Please have them submit the change to the FCC.

>>> Mike Kuo <MikeKuo@CCSEMC.com> 09/21/01 07:55PM >>>
Hi Ray :

Will you be able to help me out on this issue ?

Pacific Crest needs to present their product to the customer next Tuesday.

Best Regards

Mike Kuo / Compliance Certification Services

> -----Original Message-----
> From: Mike Kuo
> Sent: Thursday, September 20, 2001 10:00 AM
> To: Raymond Laforge (E-mail)
> Subject: Grant condition - TCB Inquire
> Importance: High
>
> Dear Ray :
>
> On August 31, 2001, I certified a Licensed Non-Broadcast Base Station
> Transmitter under CCS TCB program. The detail information about this
> application are :
>
> Applicant / Grantee: Pacific Crest Corporation
> FCC ID: KEALPB4520225
> Confirmation Number:TC102228
> EUT description: Positioning Data Link operates at 450 -470 MHz under FCC
> Part 90.
>
>
> I followed the TCB RF exposure review procedures published by the
> Commission on Nov. 15, 2000 and has determined the Grant Condition as
> follow: Power Output listed is ERP. The max. antenna gain can be used with
> this device is 2.4dBi. The antenna installation and operating
> configurations of this transmitter, including any applicable source-based
> time-averaging duty factor, antenna gain and cable loss must satisfy MPE
> categorical Exclusion Requirements of §2.1091. This device must transmit
> with a source-based time-averaging duty factor not exceeding 60%. The
> antenna(s) used for this transmitter must be installed a
> separation distance of at least 20 cm from all persons and must not be
> co-located or operating in conjunction with any other antenna or
> transmitter. Users and installers must be provided with antenna
> installation instructions and transmitter operating conditions for
> satisfying RF exposure compliance.
>
> Since this product will be marketed as 2 Watts transceiver, Pacific Crest
> would like to remove the duty cycle and max. antenna gain information out
> from the Grant conditions. Pacific Crest will accept the Grant

> conditions to include only the following information:
>
> The antenna(s) used for this transmitter must be installed to provide a
> separation distance of at least 20 cm from all persons and must not be
> co-located or operating in conjunction with any other antenna or
> transmitter. Users and installers must be provided with antenna
> installation instructions and transmitter operating conditions for
> satisfying RF exposure compliance.
>
> If I revised the Grant condition as stated above, this device will be
> within TCB Limitation (device identified in 2.1091 (c) ..Part 90 device
> with ERP is 1.5W or more and operates at frequencies 1.5GHz or below)
> which prevent CCS as TCB to certify this device.
>
> There are two possible ways can be used to comply with FCC rules and meet
> Pacific Crest requests:
>
> A. Submit to the Commission directly and indicates the Form 731 the output
> is 2.14 W (Conducted) without considering Duty Cycle.
>
> or
>
> B. With FCC written permissions, modify the Grant by changing the output
> power from 1.404W to 2.14W. The Grant condition will be revised and read
> as follow:
>
> Power output listed in Conducted.The antenna(s) used for this transmitter
> must be installed to provide a separation distance of at least 20 cm from
> all persons and must not be co-located or operating in conjunction with
> any other antenna or transmitter. Users and installers must be provided
> with antenna installation instructions and transmitter operating
> conditions for satisfying RF exposure compliance
>
> Since Pacific Crest has a order pending due to inconsistence power output
> between the product specification and the Grant, your prompt attention to
> this request is highly appreciated.
>
> Best Regards
> =====
> Mike Kuo
> Compliance Certification Services
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> Morgan Hill CA 95037
> Telephone number:408-463-0885 EXT:105
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