"EASTECH"
<EASTECH@fcc.gov>

22.10.2008 20:10

An "Dirk Brandhorst" <Brandhorst.Dirk@phoenix-testlab.de>
Kopie
Blindkopie
Thema RE: Duty Cycle Correction factor for §15.231 device

Hello Dirk,
In the future, please submit inquiries to www.fcc.gov/labhelp

The issue is unclear. In general, the duty cycle and PRF for one transmitter should be used for another. You should see what happens when multiple transmissions are sent maybe by holding down the remote. Then look at transmissions from each transmitter individually. The PRF would be the beginning of one transmission to the beginning of the second transmission from the same device. I hope this helps.
Thanks

-----Original Message-----
From: Dirk Brandhorst [mailto:Brandhorst.Dirk@phoenix-testlab.de]
Sent: Friday, October 17, 2008 8:01 AM
To: EASTECH
Subject: Duty Cycle Correction factor for §15.231 device

Dear FCC,

Applicant has a keyless car entry sytem operating at 315 MHz.

The system is deviced into two parts
- manually activated transceiver (key itself)
- activated transceiver (controller inside vehicle) responds to key on any action (button pressed/button released)

The detailed operation is explained in the attached document.

(See attached file: F01_315MHz.pdf)

Page 20 of 21 shows the "communication" between the key (telegram1 and 3) and the controller (telegram 2 and 4).

The testing lab argues, that the telegram of the controller is to be seen as one (appropriate acknowledge telegrams for button pressed/released is one action),
so that for the duty cycle correction factor the time periode between marker 1 and marker 2 needs to be taken into consideration.

Alternatively each telegram from the controller is just a "reply/achknowledgement" to the activation telegram sent by the manually activated transmitter,
so that for the ducty cycle the individual short telegram needs to be taken into consideration instead.

Please commend and define correct procedure for the duty cycle correction factor.

Important remark: The attached document is to be held CONFIDENTIAL.

Mit freundlichen Grüßen/Best Regards

PHOENIX TESTLAB GmbH
Dirk Brandhorst

PRODUCT CERTIFICATION - FCC TCB, IC FCB

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