

Assessment AN03T3337 Application T11369.txt

From: Les Payne [les@dnbenginc.com]
Sent: November 18, 2003 Tuesday 5:32 PM
To: Mike Kuo
Cc: Dean Thornton
Subject: Assessment AN03T3337 Application T11369

Greetings Mike,

Sorry for the confusion. I could not find in the report where you were referencing an "Average" measurement. After reviewing with Dean Thornton at Rain Bird we noticed in one of my embedded graphics the error in the "MD" column of the test report indicating "AV" when it should have indicated "PK". This has been corrected and a new report has been attached.

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-----Original Message-----

From: Les Payne [mailto:les@dnbenginc.com]
Sent: Tuesday, November 18, 2003 4:06 PM
To: Mike Kuo
Subject: RE: Rainbird Corporation- Controls Manufacturing Division, FCC ID :QVPWST, AN03T3337

We did not use average detector measurements, perhaps I have an error in my data sheets that indicates this. Please let me know where I have indicated average measurements. My response was intended to indicate that where average detector measurements were acceptable that is the method used, where peak detector measurements were acceptable that is what we used. We have a new report writer and it could be that there is an error in the report that needs to be corrected.

Sorry for the confusion. I believe this is a simple documentation error do you think we can issue grant and solve in the next day or two.

Les

-----Original Message-----

From: Mike Kuo [mailto:MKUO@CCSEMC.com]
Sent: Tuesday, November 18, 2003 3:40 PM
To: 'Les Payne'; Mike Kuo
Cc: Dean Thornton
Subject: RE: Rainbird Corporation- Controls Manufacturing Division, FCC ID :QVPWST, AN03T3337

Hi Les :

Your reply to Question #5: When the device is using pulse modulation, you can not use average detector to make the average measurement. You should use peak detector and correct the peak reading with duty cycle factor to obtain the average reading. Attached please find the Duty cycle discuss

Assessment AN03T3337 Application T11369.txt
from FCC for your reference. Question #5 has not been addressed at this point.

Best Regards

Mike Kuo

-----Original Message-----

From: Les Payne [mailto:les@dnbenginc.com]
Sent: Tuesday, November 18, 2003 3:34 PM
To: Mike Kuo
Cc: Dean Thornton
Subject: RE: Rainbird Corporation- Controls Manufacturing Division, FCC ID :QVPWST, AN03T3337

Mike,

With regards to Item number 5. The Duty cycle measurements were calculated using peak measurements not average measurements. Plots in report are peak. Actual radiated field measurements are average.

Do you require anything else to clear this application.

Les

-----Original Message-----

From: Thornton, Dean CLE 2626 [mailto:DThornton@RainBird.com]
Sent: Tuesday, November 18, 2003 3:19 PM
To: les@dnbenginc.com
Subject: FW: Rainbird Corporation- Controls Manufacturing Division, FCC ID :QVPWST, AN03T3337

-----Original Message-----

From: Mike Kuo [mailto:MKUO@CCSEMC.com]
Sent: Monday, November 10, 2003 2:47 PM
To: 'dthornton@rainbird.com'
Subject: FW: Rainbird Corporation- Controls Manufacturing Division, FCC ID :QVPWST, AN03T3337

> -----Original Message-----

> From: Mike Kuo
> Sent: Friday, November 07, 2003 5:46 PM
> To: CLIENT ADVOCATES; Don Erwin
> Subject: Rainbird Corporation- Controls Manufacturing Division, FCC
> ID:QVPWST, AN03T3337
>
> Question #1: The information contains in the operational description also
> mentioned in the user manual. Based upon the information can be obtained
> from user manual, request for confidentiality on the operational
> description as submitted will not be granted. However, a detail technical
> description should be provided in the operational description to address
> section 15.231 periodical operation. From the user manual and the
> information provided, there is no technical information provided to
> demonstrate that this transmitter complies with periodical transmitter

Assessment AN03T3337 Application T11369.txt

> definition as stated in section 15.231 (a) (1) - (4). Please submit
> detail operational description. If the revised operational description
> contains technical information then such attachment can be granted as
> confidential document.
>
> Question #2: User manual does not contain information required under
> section 15.21 of FCC rules. Please provide revised user manual.
>
> Question #3: Page 31 to Page 39 of test report listed different FCC ID
> number. Please make necessary correction.
>
> Question #4: Please remove schematic diagram and functional block diagram
> from the test report. Test report can not be granted for confidential
> document. Please do not include any confidential document inside the test
> report. Please submit revised test report.
>
> Question #5: Per section 15.231 (b) (2) when average measurements are
> employed, the provisions in section 15.35 for averaging pulsed emissions
> and for limiting peak emissions apply. In the test report, only average
> readings are provided. Please provide peak reading.
>
> FYI: frequency stability test only requires for transmitter operates in
> 40.66-40.70MHz range.
>
>
>
> Best Regards
>
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