

Helen Zhao

Subject: FW: Sensus Metering Systems, FCC ID: KCH520R, Assessment NO.: AN06T5674, Notice#1



FCC CL2 520R
report-1.doc



Pit antenna assy
detail1.pdf



Pit antenna assy
detail2.pdf



520R Product
Photograph.jpg



ATT3793486.txt

From: Thomas Cokenias [mailto:tom@tncokenias.org]

Sent: Thursday, April 27, 2006 8:48 AM

To: Helen Zhao

Subject: Re: Sensus Metering Systems, FCC ID: KCH520R, Assessment NO.:
AN06T5674, Notice#1

Hi Helen,

Answers follow questions below. Thank you for your timely review of
this application.

best regards

Tom

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

> Sent: Wednesday, April 26, 2006 3:52 PM

> Subject: Sensus Metering Systems, FCC ID: KCH520R, Assessment NO.:
> AN06T5674, Notice#1

>

>

> Question #1: The device was certified as limited modular approval.

> One of the criteria for modular approval is to test stand alone. In

> this Class II filing, however, the test setup photos do not show

> EUT. Is it inside the pit lid antenna? If so, please provide photos

> to show how EUT is installed inside the pit lid antenna and how the

> EUT with pit lid antenna will be installed in the final product. Or

> is the EUT with pit lid antenna a final product?

ANS 1 The EUT is inside the pit antenna assembly, it is tested stand
alone, there are no electronics in the pit antenna assembly except
for what was tested for the initial modular approval.

The assembly is plastic except for the metal ring that couples energy
from the transmitter module pcb antenna, to the metal portions of the
pit antenna, the mushroom shaped assembly that screws on to the top.
Attached are two drawings that show how the transmitter is installed
in the assembly. Attached document "Pit antenna assy detail1.pdf"
shows the plastic assembly that the circuit board is placed into,
along with the copper sleeve that serves to capacitively couple
energy from EUT built-in antenna to the pit antenna. "Pit antenna
assy detail2.pdf" shows the entire assembly - the green EUT circuit
board shows in one of the drawings.

Attached also is photograph of EUT by itself.

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> Question #2: The original grant indicates operating frequency is

> from 904.6 to 925.4MHz, the test report indicates the low channel

> was test at 903.8MHz, and high channel at 926.2MHz. Please update

> the test report.

ANS 2 Attached is report with correction to data spread sheet input error.

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- > The items indicated above must be submitted before processing can
- > continue on the above referenced application. Failure to provide
- > the requested information within 30 days of the original e-mail
- > date may result in application dismissal and forfeiture of the
- > filing fee. Also, please note that partial responses increase
- > processing time and should not be submitted. Any questions about
- > the content of this correspondence should be directed to the e-mail
- > address listed below the name of the sender.