

## Helen Zhao

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**Subject:** FW: Sensus Metering Systems, FCC ID: KCH520F, Assessment NO.: AN06T5675, Notice#1



Pit antenna assy  
detail1.pdf



Pit antenna assy  
detail2.pdf



PICT0001.JPG

From: Thomas Cokenias [mailto:[tom@tncokenias.org](mailto:tom@tncokenias.org)]  
Sent: Thursday, April 27, 2006 9:01 AM  
To: Helen Zhao  
Subject: Re: Sensus Metering Systems, FCC ID: KCH520F, Assessment NO.:  
AN06T5675, Notice#1

Hi Helen,

Answer follows question. Thank you for your timely review.

best regards

Tom

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

> Sent: Wednesday, April 26, 2006 3:55 PM  
> Subject: Sensus Metering Systems, FCC ID: KCH520F, Assessment NO.:  
> AN06T5675, 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.