

Helen Zhao

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]

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.