

Mike Kuo

From: Nandwana, Anup [Anup.Nandwana@Sensus.Com]
Sent: December 14, 2004 12:36 PM
To: Mike Kuo
Cc: Tom Cokenias (E-mail)
Subject: RE: Sensus Metering Systems, FCC ID: KCHBA0031, Assessment NO.: AN04T4356, Notice#1

Importance: High



BA0031 Updated
Docs.zip

Hello Mike

Attached are the Documents with the changes you requested. The internal antenna spec. is also part of the zip. Please let me know if you have any further questions regarding the BA0031.

Regards
Anup

Anup Nandwana
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-----Original Message-----

From: Mike Kuo [mailto:MKUO@CCSEMC.com]
Sent: Monday, December 13, 2004 3:48 PM
To: anup.nandwana@sensus.com
Subject: FW: Sensus Metering Systems, FCC ID: KCHBA0031, Assessment NO.: AN04T4356, Notice#1

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

From: Mike Kuo
Sent: Monday, December 13, 2004 1:24 PM
To: Tom Cokenias (E-mail)
Subject: FW: Sensus Metering Systems, FCC ID: KCHBA0031, Assessment NO.: AN04T4356, Notice#1

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

From: Compliance Certification Services [mailto:MKuo@ccsemc.com]
Sent: Monday, December 13, 2004 12:43 PM
To: Mike Kuo
Subject: Sensus Metering Systems, FCC ID: KCHBA0031, Assessment NO.: AN04T4356, Notice#1

Question #1: Please harmonize antenna gain information in this filing and provide antenna specification for Internal Patch antenna.

Theory of operation: Internal patch Antenna gain is 4dBi
Antenna specification BCD-8243 external Omni-directional: Antenna gain is 3dBd (5.15dBi)
Antenna specification BCD-87066 ____ 0dB 25% external Omni-directional :
Antenna gain is 6dBd (8.15 dBi).

BA0031 mode files :A 3 dBd (5.2 dBi) external omni antenna is used for TX-RX operation.

For RX only operation, a 9 dBd external omni antenna is used.

Question #2: Please harmonize the operating frequency range :

In the test report and application form : 904.6-925.4 MHz.
In the theory of operation: 903.8-926.2 MHz.

Question #3: Please include additional RF exposure warning statement in the user manual. Suggest text may be :

"The antenna(s) used for this transmitter must be fixed-mounted on outdoor permanent structures with a separation distance of at least 2 meters from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter"

Question #4: Please include the requirements for professional installation in the installation manual.

Question #5: Please include authorized antennas list in the installation manual.

Best Regards

Mike Kuo

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.