Programmer Antenna Information

The Q-TechTM programmer includes a wand antenna which is plugged into the programmer radio card (PRC) which is in turn secured in the PCMCIA slot of the PSION Netbook. The PRC is permanently in place in the PCMCIA slot and cannot be removed without a specialized tool. The wand antenna is designed for repeated attachment and detachment from the PRC. Neither the wand connector nor the PRC connector are designed to attach to other devices, and neither uses an industry standard connector.

The antenna gain, as shown in the attached Absolute Gain Data Sheet, was calculated based on testing performed at NWEMC, and is -5.0 dBi. This calculation was performed by first directly measuring the output from the PRC using specific programmed output power level, and then observing the power output using the wand itself.

Following the Absolute Gain Data sheet are several pages of drawings of the wand antenna. These include drawings showing the inclusion of the wand band gap, which is not readily observed using the external photographs.

ABSOLUTE GAIN DATA SHEET EMC EUT: GAP Antenna 1 Work Order: CAME0017 Serial Number: None Date: 11/05/07 Customer: Cameron Health, Inc. Temperature: 23.04C Attendees: Paul Erlinger Humidity: 50% Project: None Tested by: Andrey Marcus TEST SPECIFICATIONS Barometric Pres.: 1018.3mb Job Site: OC08 Power: 120VAC/60Hz

TEST PARAMETERS

Antenna Height(s) (m) Test Distance (m) 3

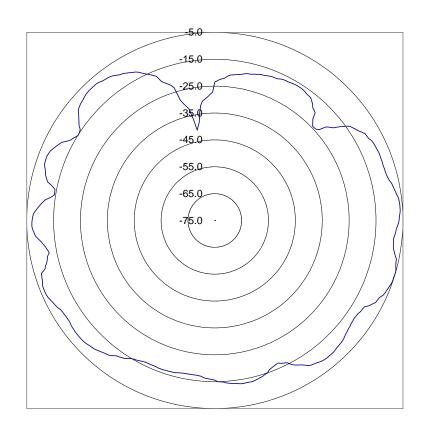
0 degree tilt side one up: Antenna @ 400cm

EUT OPERATING MODES

Transmitt Power 0X07
DEVIATIONS FROM TEST STANDARD

Run #	11
Configuration #	1
Pasults	

Absolute Gain (dBi) of AUT



Signature

Frequency Measurement Antenna Polarity Horizontal Antenna Under Test (AUT) Polarity Horizontal

> Max Field Strength 69.50 dBuV/m Max Conducted Power -10.30 dBm

Max Antenna Gain -5.00 dBi

*Antenna Gain (dBi) calculated from measured field strength and conducted output power

