14.1 SAR TEST EQUIPMENT

Type / Model	Calib. Date	S/N:
PCTEST Robot Arm	Jan. 01	PCT482
PCTEST Computer 200 MHz Pentium Pro Windows NT	Jan. 01	PCT480
Robot Controller	Jan. 01	PCT464
Teach Pendant (Joystick)	Jan. 01	PCT467
SAM Phantom Head Model (Right)	Oct. 01	PCT658
SAM Phantom Head Model (Left)	Oct. 01	PCT657
Brain Equivalent Matter (800MHz)	Oct. 01	PCTBEM10
Brain Equivalent Matter (1800MHz)	Oct. 01	PCTBEM11
Muscle Equivalent Matter (800MHz)	Oct. 01	PCTMEM12
Muscle Equivalent Matter (1800MHz)	Oct. 01	PCTMEM13
E-Field Probe	Feb. 01	PCT486A
E-Field Probe	May. 01	PCT486B
E-Field Probe	Aug. 01	PCT486C
HP Spectrum Analyzer	Dec. 00	PCT200
IFI TEM Cell Model: CC110EXX (DC - 2000 MHz)	Jan. 01	A427-0697
Microwave Amp. Model: 5S1G4 (800MHz - 4.2GHz, 5 Watts)	Jan. 01	22332
Non-metallic Handset Tripod		PCT487

NOTE:
The E-field probe was calibrated by IDX Systems, Inc. The SAR calibration of the E-field probe is performed by temperature measurement procedure. A TEM cell is used for the free space calibration of the probe. The brain simulating material is calibrated by PCTEST using the dielectric probe system and network analyzer to determine the conductivity and permittivity (dielectric constant) of the brain-equivalent material.

The following list of equipment was used to calibrate the system (from IDX):

Power Meter	HP-437B
RF Generator	HP-8657B
Power Amp	Power System Technology (Amplifier Research)
TEM cell	IFI CC-110
Network Analyzer	HP-8753C