

ANNEX A (Previously Filed RF Data)

RF Signal Strength Data were previously submitted to the FCC for this model (Report *FCC_HAC_rpt_i580_Rev O_060301SR3525*, dated 3/1/2006), which resulted in an updated grant with an M4 rating, per 47 CFR 20.19(b)(1). The summary data and scans are excerpted here from Section 9 of that report.

A.1 RF Test Results Summary (from Section 9).

iDEN 800MHz Band

Freq. (MHz)	Battery	Conducted Po (W)	E/H Field	Measured Field (V/m or A/m)	Appendix B Data (pg)	Excluded Cells	M-Rating
813.5125	SNN5744A	0.640	E	72.4	21	1, 2, 4	M-3
813.5125	SNN5765A	0.640	E	71.4	23	1, 2, 4	M-3
806.0125	SNN5744A	0.640	E	70.7	24	1, 2, 4	M-3
824.9875	SNN5744A	0.640	E	67.3	25	1, 2, 4	M-3
813.5125	SNN5744A	0.640	H	0.136	26	1, 4, 7	M-4
813.5125	SNN5765A	0.640	H	0.136	27	1, 4, 7	M-4
806.0125	SNN5765A	0.640	H	0.148	28	1, 4, 7	M-4
824.9875	SNN5765A	0.640	H	0.140	30	1, 4, 7	M-4

iDEN 900MHz Band

Freq. (MHz)	Battery	Conducted Po (W)	E/H Field	Measured Field (V/m or A/m)	Appendix B Data (pg)	Excluded Cells	M-Rating
898.5187	SNN5744A	0.640	E	45.8	31	1, 4, 7	M-4
898.5187	SNN5765A	0.640	E	47.2	32	1, 4, 7	M-4
896.0187	SNN5765A	0.640	E	46.3	33	1, 4, 7	M-4
900.9812	SNN5765A	0.640	E	47.8	34	1, 4, 7	M-4
898.5187	SNN5744A	0.640	H	0.108	35	1, 4, 7	M-4
898.5187	SNN5765A	0.640	H	0.108	36	1, 4, 7	M-4
896.0187	SNN5765A	0.640	H	0.112	37	1, 4, 7	M-4
900.9812	SNN5765A	0.640	H	0.111	38	1, 4, 7	M-4

A.2 RF Test Probe E-Field Scan Data (from Appendix A).

Motorola GEMS EME Laboratory
 GEMS-3; DUT: i580 H83XAH6RR4AN-Date/Time: 2/25/2006 1:59:07 PM

Run#: MeC-i580 Radio 813 E-field 060225-09
 Model# / Serial#: H83XAH6RR4AN / 364AGA0361
 TX Freq.: 813.5125 (MHz)
 Antenna: 8575868A01
 Battery# / Battery Cover#: SNN5744A / NNTN2344A

Comments:

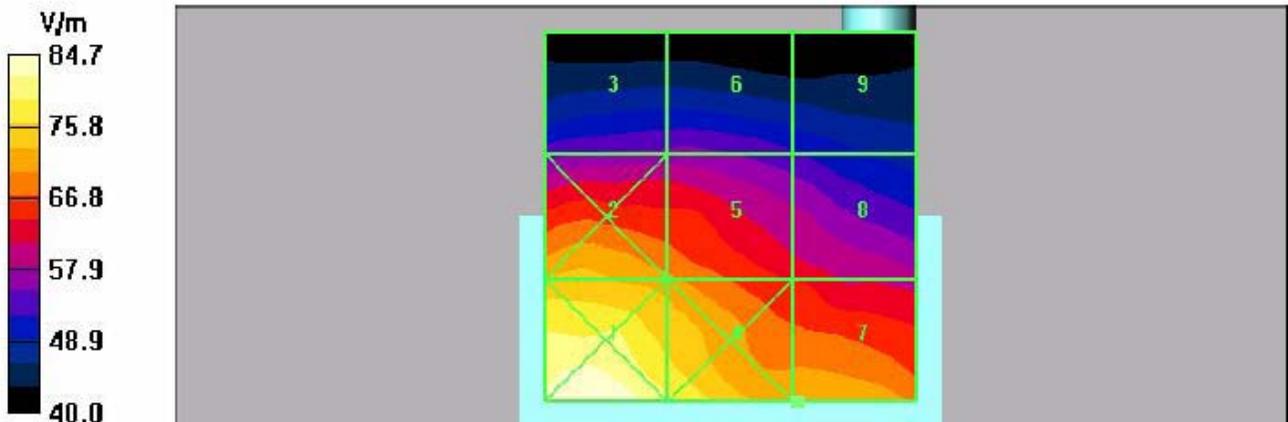
Probe: ER3DV6 - SN2350, Calibrated: 7/7/2005, ConvF(1, 1, 1)
 Duty Cycle: 1:3, Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Electronics: DAE3 Sn363, Calibrated: 5/24/2005

813.5125 w/SNN5744A Battery/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 72.4 V/m
 Probe Modulation Factor = 1.82
 Reference Value = 34.5 V/m; Power Drift = 0.0352 dB
Hearing Aid Near-Field Category: M3 (AWF 0 dB)

**E-Field V/m
(Time averaged)**

Grid 3 56.0	Grid 6 56.2	Grid 9 52.4
Grid 2 73.6	Grid 5 70.8	Grid 8 63.8
Grid 1 84.7	Grid 4 79.9	Grid 7 72.4

Excluded sub grids
 Max remaining grid



A.3 RF Test Probe H-Field Scan Data (from Appendix A).

Motorola GEMS EME Laboratory
GEMS-3; DUT: i580 H83XAH6RR4AN-Date/Time: 2/25/2006 5:06:38 PM

Run#: MeC-i580 Radio 806 H-field 060225-19
 Model# / Serial#: H83XAH6RR4AN / 364AGA0361
 TX Freq.: 806.0125 (MHz)
 Antenna: 8575868A01
 Battery# / Battery Cover#: SNN5765A / NNTN2345A

Comments:

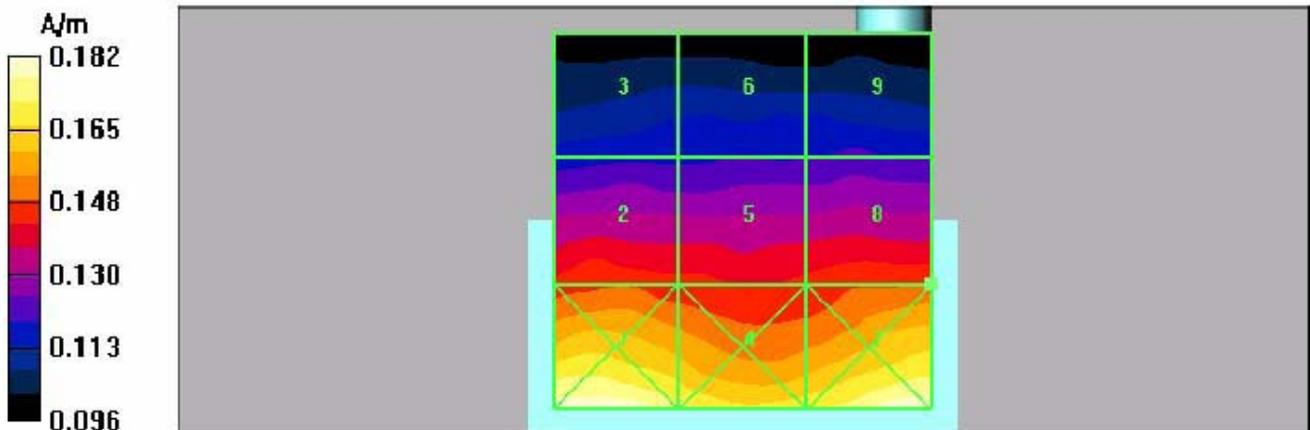
Probe: H3DV6 - SN6166, Calibrated: 7/7/2005,
 Duty Cycle: 1:3, Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Electronics: DAE3 Sn363, Calibrated: 5/24/2005

806.0125 w/SNN5765A Battery/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm
 Maximum value of peak Total field = 0.148 A/m
 Probe Modulation Factor = 1.81
 Reference Value = 0.073 A/m; Power Drift = -0.062 dB
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

H-Field A/m
(Time averaged)

Grid 3 0.118	Grid 6 0.120	Grid 9 0.121
Grid 2 0.147	Grid 5 0.144	Grid 8 0.148
Grid 1 0.181	Grid 4 0.173	Grid 7 0.182

 Excluded sub grids
 Max remaining grid



ANNEX B (Manufacturer's Probe Calibration Certificates)



HAC Probe Certificate of Calibration

Client:	Motorola Inc.	Job Number/Certificate No. <u>1048</u>
Test No:	63-0284	Test Program:
Model No:	R-100	Test Program Revision: None
Serial No:	0238	Laboratory Site No: 1
Description:	HAC Probe (Radial)	

At the time of calibration, this certifies that the above product was calibrated in accordance with applicable Communication Certification Laboratory (CCL) procedures. This report is not to be reproduced, except in full, without written approval of CCL.

At planned intervals, CCL measurement standards are calibrated by comparison to or measurement against national standards, natural physical constants, or consensus standards.

National Standards are administered by NIST (National Institute of Standards and Technology) or other recognized national standards laboratories.

Initial testing found this instrument WITHIN SPECIFICATION. The measurement uncertainty is ± 0.13 dB.

Support documentation relative to traceability is on file and is available for examination upon request.

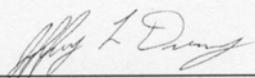
CCL recommends calibration of this equipment in the interval of 1 year and the calibration due date based on this interval is one year from the calibration date.

Standards Used

<u>ID No.</u>	<u>Model No.</u>	<u>Manufacturer</u>	<u>Serial No.</u>	<u>Calibrated</u>
552	HP3585	Hewlett Packard	---	2005-07-11
534	Signal Power Bench	CCL		2005-12-07
1030	CCL Helmholtz Coil per IEEE Standard 1027 Appendix C			

Temperature: 73° F	Relative Humidity: 20%	Barometric Pressure: 30.48
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Calibration Date: May 1, 2006



 Calibration Technician

HEARING AID PROBE CALIBRATION

Model Number: R-100

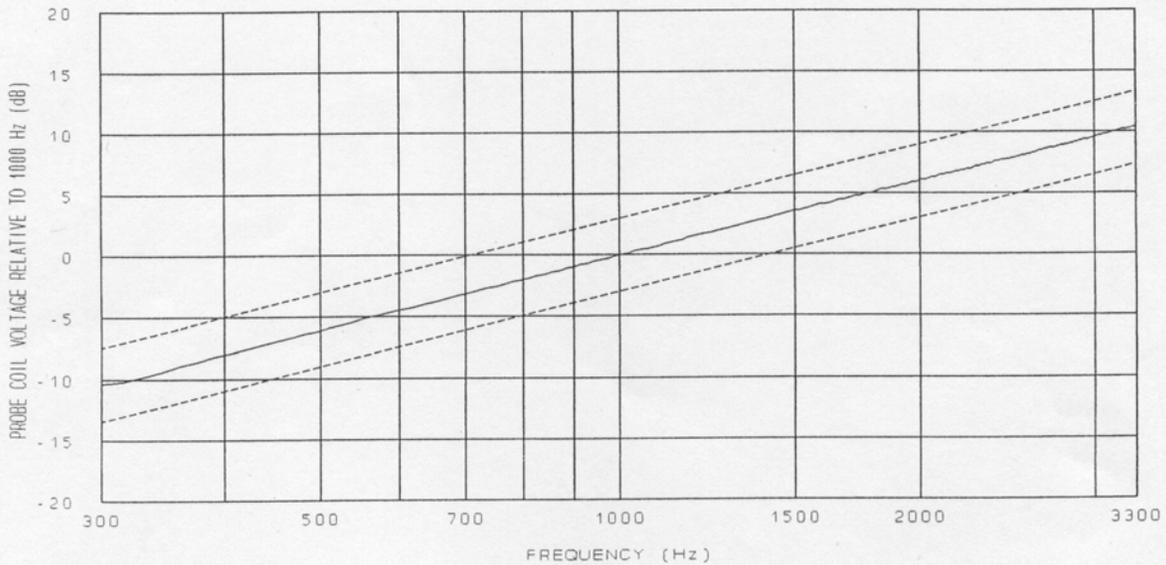
Data Form: P1

Serial Number: 0238

Specification Reference: IEEE Standard 1027, Sections 5.1 and 5.2

Sensitivity at 1000 Hz: -60.1 dBV/(A/m)

Frequency Response:



* Dashed lines indicate 6 dB / octave slope.

** The Measurement Uncertainty of the probe is ± 0.13 dB.

Comments:

Bench: [x] BC:000534 Signal Power A

Test Operator: JD

Date: May 1, 2006



Communication Certification Laboratory

HAC Probe Certificate of Calibration

Client:	Motorola Inc.	Job Number/Certificate No. <u>1049</u>
Test No:	63-0284	Test Program:
Model No:	A-100	Test Program Revision: None
Serial No:	0238	Laboratory Site No: 1
Description:	HAC Probe (Axial)	

At the time of calibration, this certifies that the above product was calibrated in accordance with applicable Communication Certification Laboratory (CCL) procedures. This report is not to be reproduced, except in full, without written approval of CCL.

At planned intervals, CCL measurement standards are calibrated by comparison to or measurement against national standards, natural physical constants, or consensus standards.

National Standards are administered by NIST (National Institute of Standards and Technology) or other recognized national standards laboratories.

Initial testing found this instrument WITHIN SPECIFICATION. The measurement uncertainty is ± 0.13 dB.

Support documentation relative to traceability is on file and is available for examination upon request.

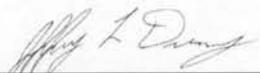
CCL recommends calibration of this equipment in the interval of 1 year and the calibration due date based on this interval is one year from the calibration date.

Standards Used

<u>ID No.</u>	<u>Model No.</u>	<u>Manufacturer</u>	<u>Serial No.</u>	<u>Calibrated</u>
552	HP3585	Hewlett Packard	---	2005-07-11
534	Signal Power Bench	CCL		2005-08-07
1030	CCL Helmholtz Coil per IEEE Standard 1027 Appendix C			

Temperature: 73° F Relative Humidity: 20% Barometric Pressure: 30.48

Calibration Date: May 1, 2006



Calibration Technician

HEARING AID PROBE CALIBRATION

Model Number: A-100

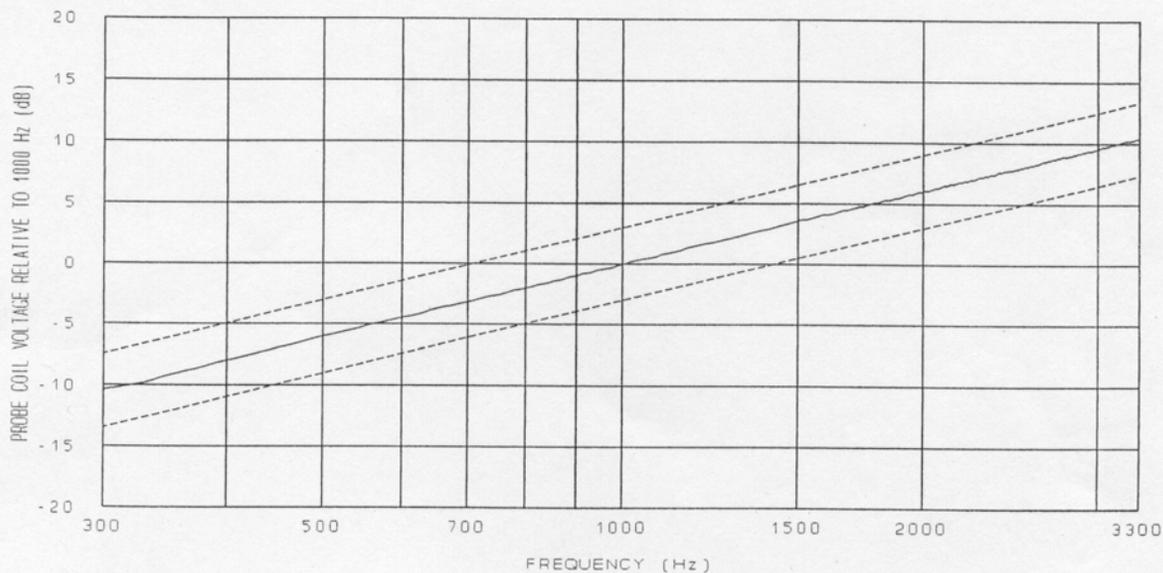
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Sensitivity at 1000 Hz: -60.1 dBV/(A/m)

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Bench: [x] BC:000534 Signal Power A

Test Operator: JD

Date: May 1, 2006