

Date: 10/14/2008

File Name: [Validation_E-Field_Probe SN2341, Dipole SN1015, 800Mhz, Oct 14,08.da4](#)

Communication System: CDMA; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/17/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

E-Field Scan/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

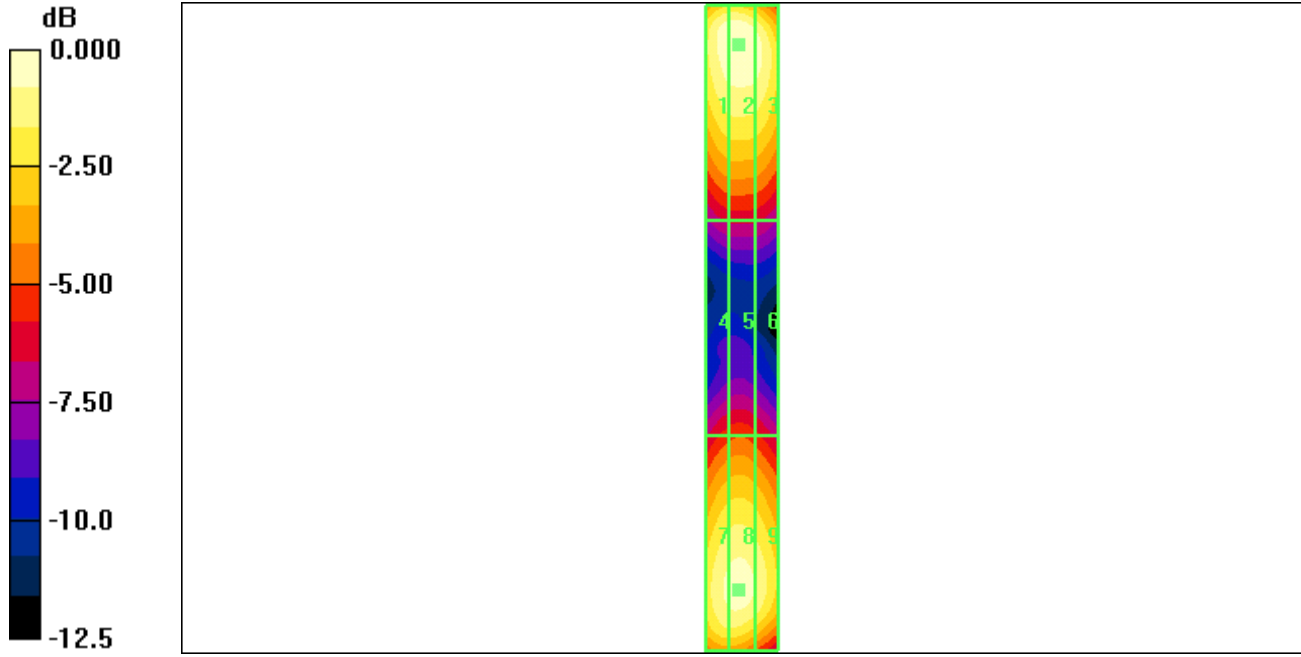
Maximum value of peak Total field = 160.3 V/m

Probe Modulation Factor = 1.00

Reference Value = 56.5 V/m; Power Drift = -0.101 dB

Peak E-field in V/m

Grid 1 158.4	Grid 2 160.3	Grid 3 154.7
Grid 4 87.3	Grid 5 89.6	Grid 6 85.2
Grid 7 150.0	Grid 8 152.6	Grid 9 145.5



0 dB = 160.3V/m

Date: 10/14/2008

File Name: [Validation_H-Field_Probe_SN6029_Dipole_SN1015_800Mhz_Oct_14.08.da4](#)

Communication System: CDMA; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV5 - SN6029; ; Calibrated: 6/19/2008

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn530; Calibrated: 4/15/2008

- Phantom: HAC Test Arch; Type: SD HAC P01 BA;

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

H-Field Scan/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

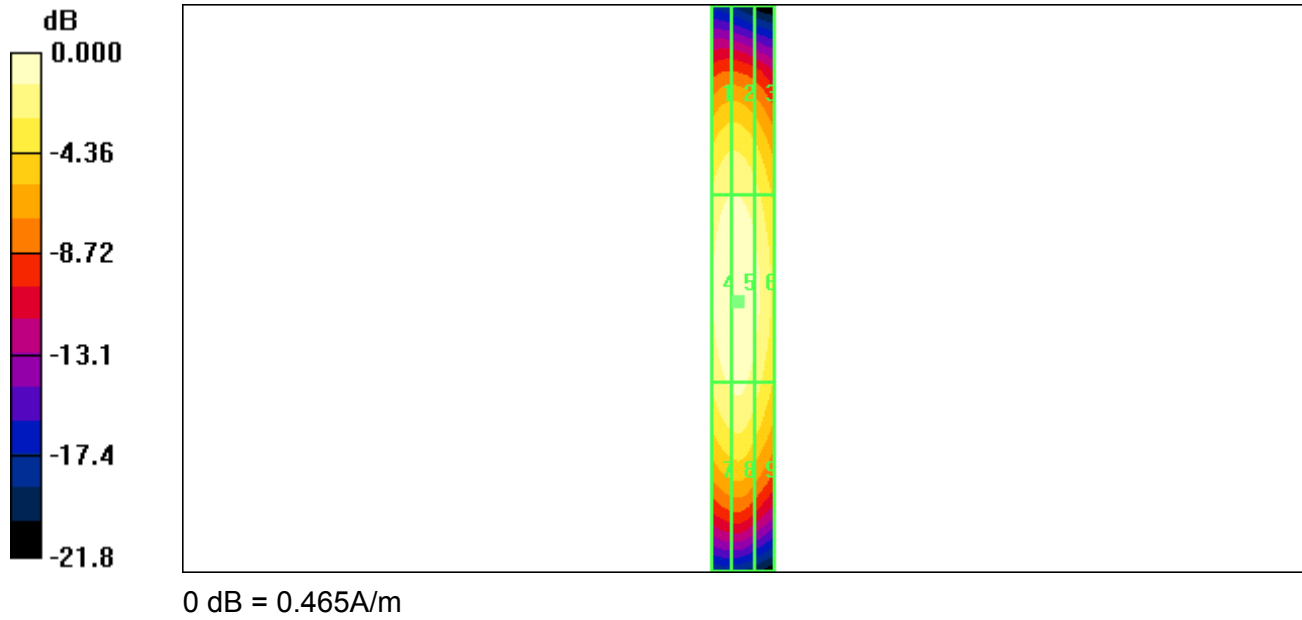
Maximum value of peak Total field = 0.465 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.515 A/m; Power Drift = 0.085 dB

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.395	0.395	0.356
Grid 4	Grid 5	Grid 6
0.460	0.465	0.420
Grid 7	Grid 8	Grid 9
0.403	0.410	0.364



Date: 10/14/2008

File Name: [Validation E-Field Probe SN2341, Dipole SN1015, 1700Mhz, Oct 14,08.da4](#)

Communication System: AWS-1700; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/17/2008

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn530; Calibrated: 4/15/2008

- Phantom: HAC Test Arch; Type: SD HAC P01 BA;

Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

E-Field Scan/Hearing Aid Compatibility Test (21x181x1): Measurement grid: dx=5mm, dy=5mm

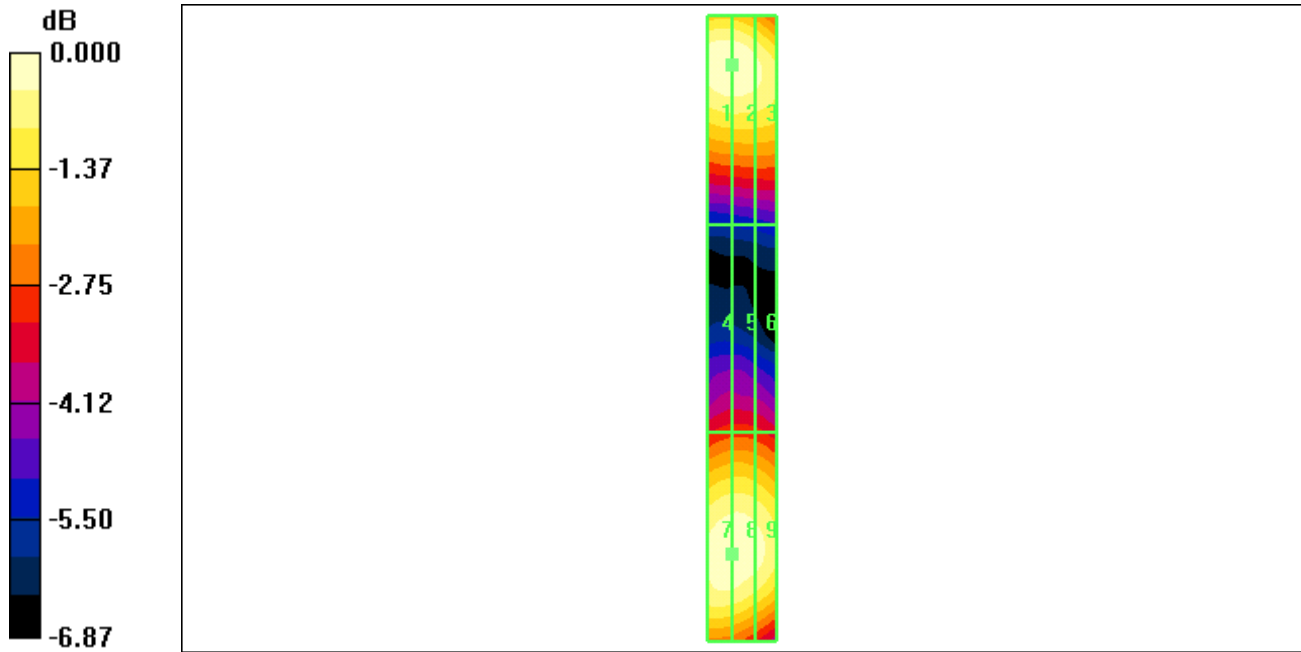
Maximum value of peak Total field = 141.6 V/m

Probe Modulation Factor = 1.00

Reference Value = 73.5 V/m; Power Drift = 0.084 dB

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
141.6	141.6	136.5
Grid 4	Grid 5	Grid 6
101.6	101.8	100.1
Grid 7	Grid 8	Grid 9
140.9	140.9	137.4



Date: 10/14/2008

File Name: [Validation H-Field Probe SN6029, Dipole SN1015, 1700Mhz, Oct 14,08.da4](#)

Communication System: AWS-1700; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV5 - SN6029; ; Calibrated: 6/19/2008

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn530; Calibrated: 4/15/2008

- Phantom: HAC Test Arch; Type: SD HAC P01 BA;

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

H-Field Scan/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

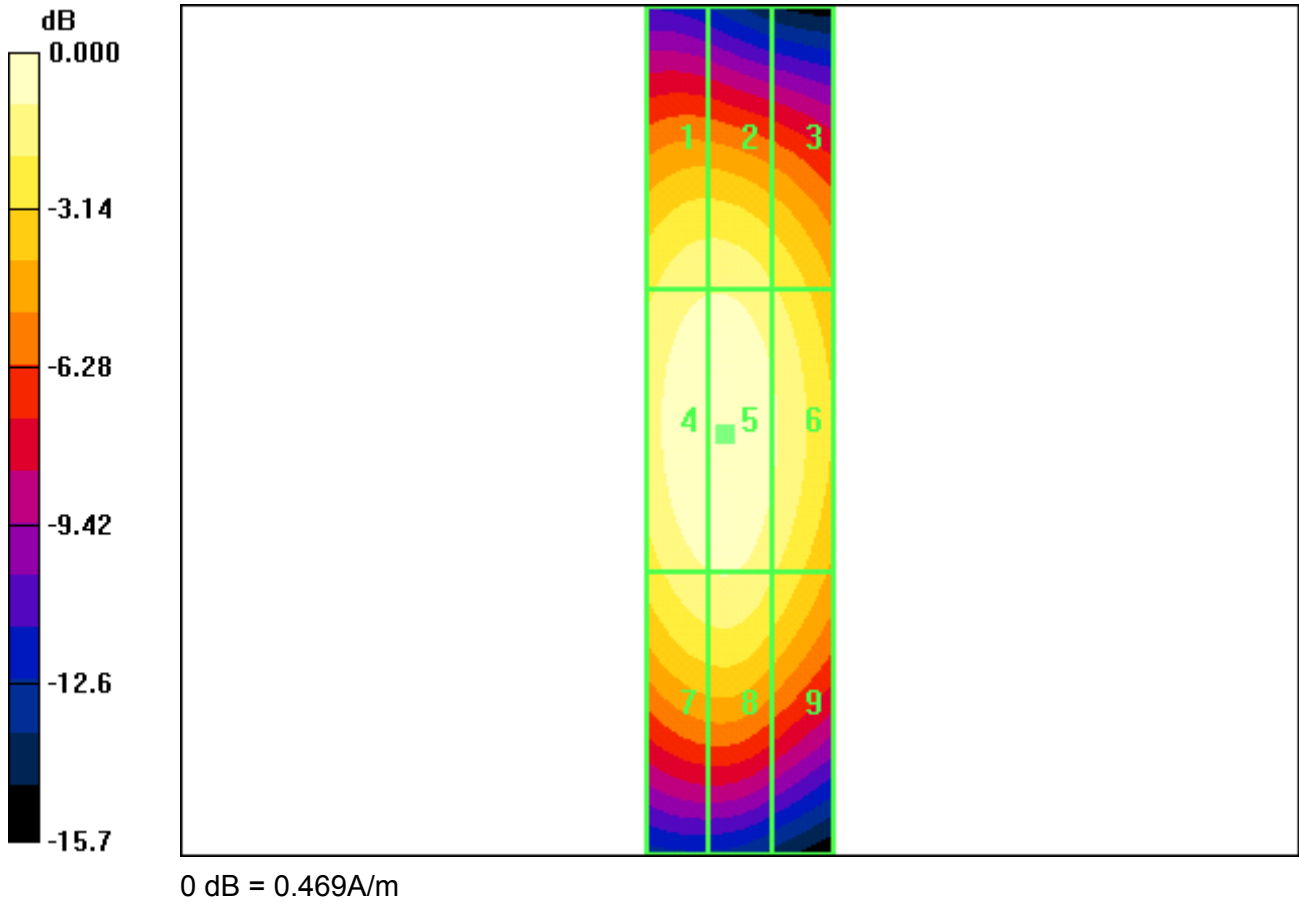
Maximum value of peak Total field = 0.469 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.515 A/m; Power Drift = -0.023 dB

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.412	0.413	0.373
Grid 4	Grid 5	Grid 6
0.463	0.469	0.423
Grid 7	Grid 8	Grid 9
0.414	0.419	0.373



Date: 10/14/2008

File Name: [Validation E-Field Probe SN2341, Dipole SN1015, 1900Mhz, Oct 14,08.da4](#)

Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/17/2008

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn530; Calibrated: 4/15/2008

- Phantom: HAC Test Arch; Type: SD HAC P01 BA;

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

E-Field Scan/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

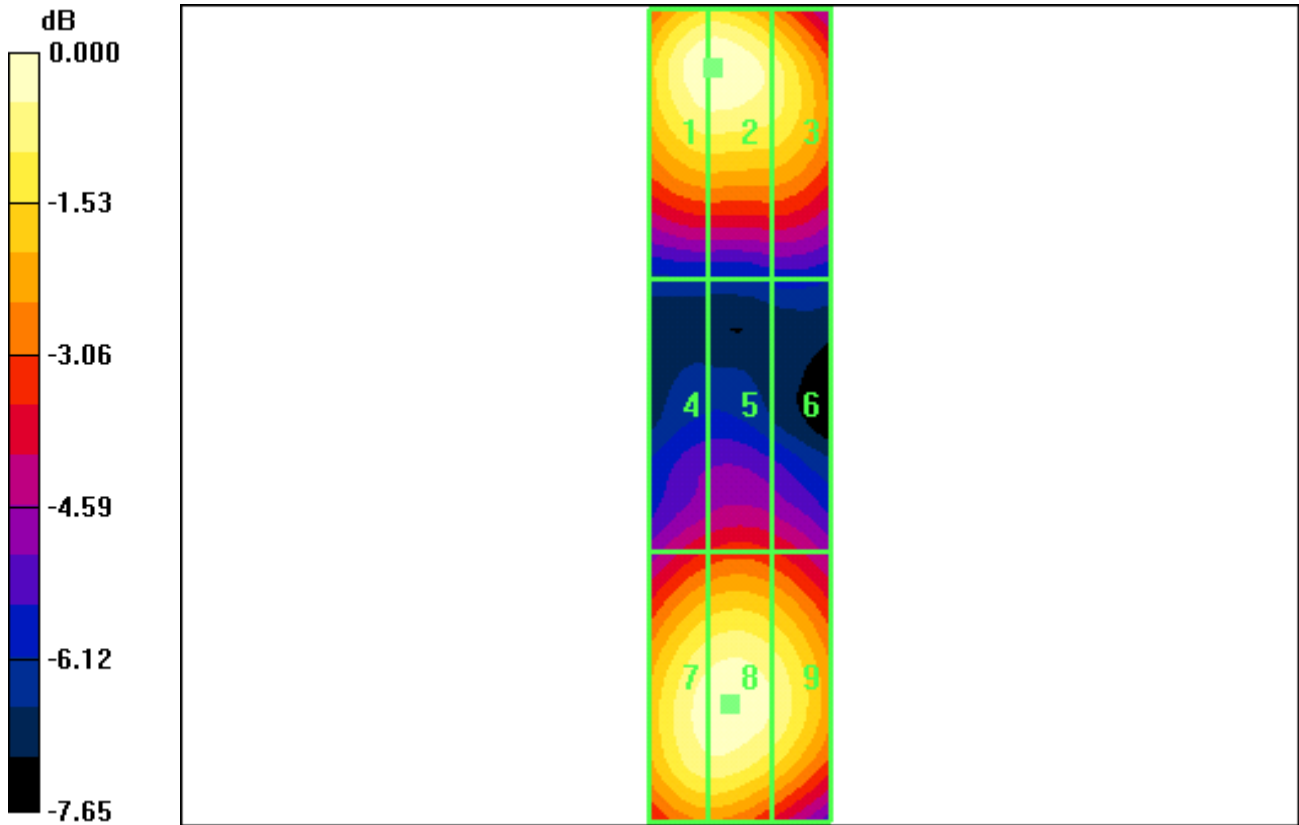
Maximum value of peak Total field = 134.2 V/m

Probe Modulation Factor = 1.00

Reference Value = 68.1 V/m; Power Drift = 0.064 dB

Peak E-field in V/m

Grid 1 134.0	Grid 2 134.2	Grid 3 124.4
Grid 4 89.6	Grid 5 92.3	Grid 6 89.5
Grid 7 130.8	Grid 8 132.2	Grid 9 126.5



0 dB = 134.2V/m

Date: 10/14/2008

File Name: [Validation_H-Field_Probe_SN6029_Dipole_SN1015_1900Mhz_Oct_14.08.da4](#)

Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV5 - SN6029; ; Calibrated: 6/19/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

H-Field Scan/Hearing Aid Compatibility Test (21x181x1): Measurement grid: dx=5mm, dy=5mm

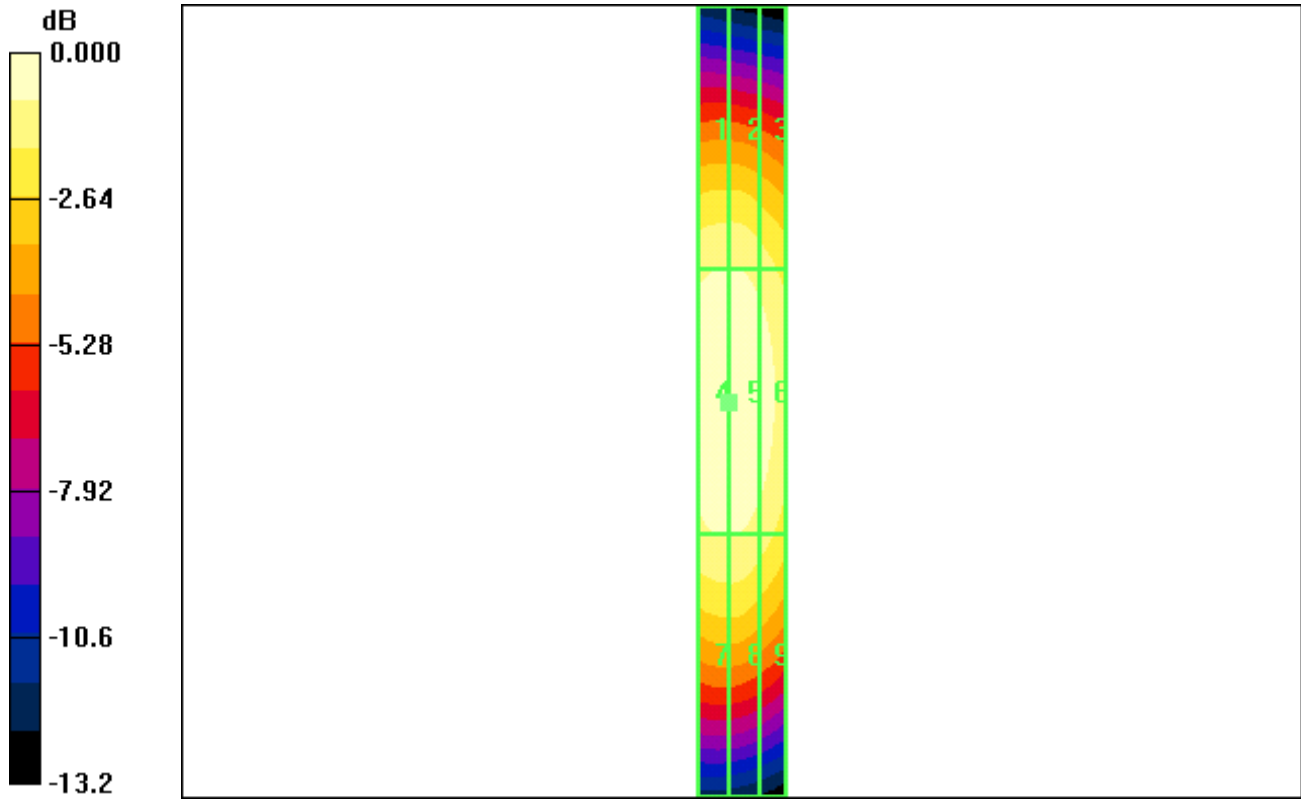
Maximum value of peak Total field = 0.479 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.517 A/m; Power Drift = 0.030 dB

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.436	0.436	0.416
Grid 4	Grid 5	Grid 6
0.479	0.479	0.457
Grid 7	Grid 8	Grid 9
0.436	0.436	0.413



0 dB = 0.479A/m

Date: 10/15/2008

File Name: [Validation_E-Field_Probe SN2341, Dipole SN1015, 800Mhz, Oct 15,08.da4](#)

Communication System: CDMA; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/17/2008

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn530; Calibrated: 4/15/2008

- Phantom: HAC Test Arch; Type: SD HAC P01 BA;

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

E-Field Scan/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

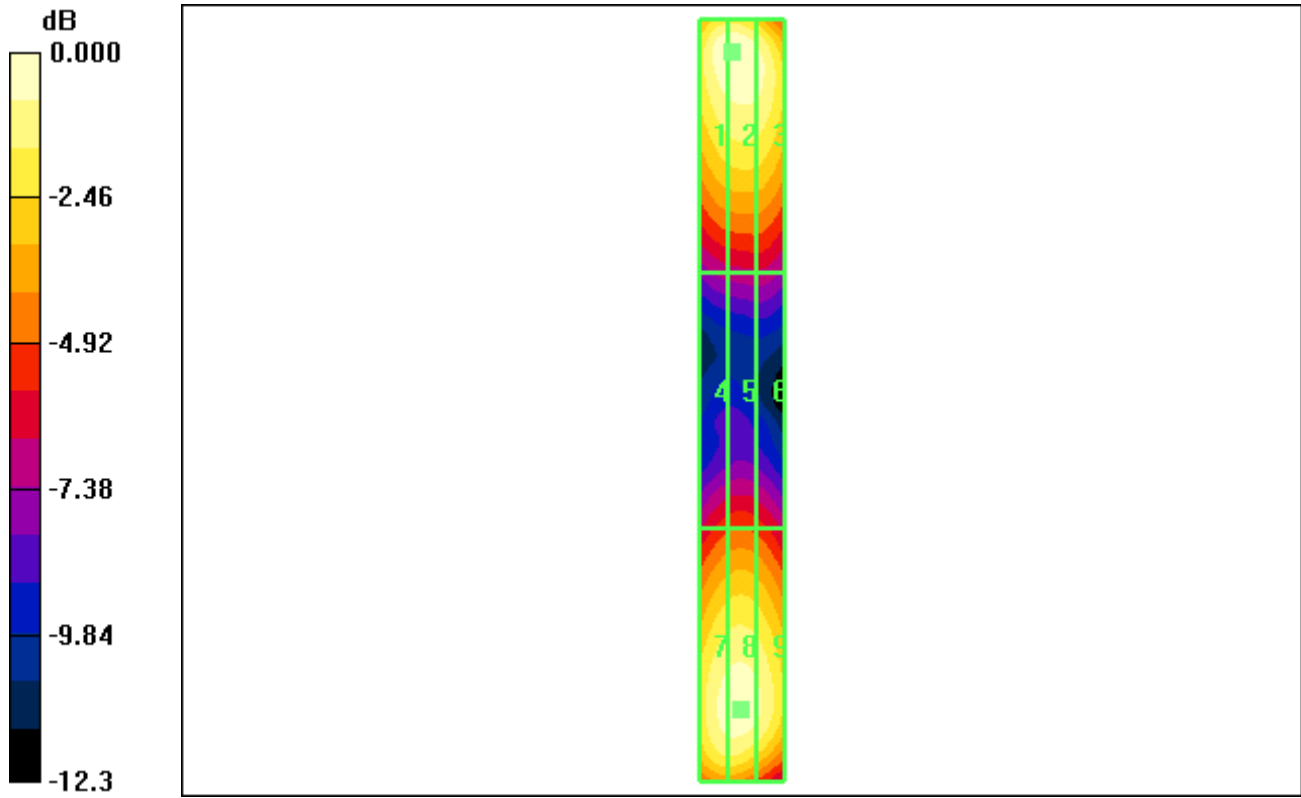
Maximum value of peak Total field = 162.8 V/m

Probe Modulation Factor = 1.00

Reference Value = 60.1 V/m; Power Drift = -0.077 dB

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
161.8	162.8	155.1
Grid 4	Grid 5	Grid 6
89.9	91.8	89.3
Grid 7	Grid 8	Grid 9
155.2	157.7	151.6



0 dB = 162.8V/m

Date: 10/15/2008

File Name: [Validation_H-Field_Probe_SN6029_Dipole_SN1015_800Mhz_Oct_15.08.da4](#)

Communication System: CDMA; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV5 - SN6029; ; Calibrated: 6/19/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

H-Field Scan/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

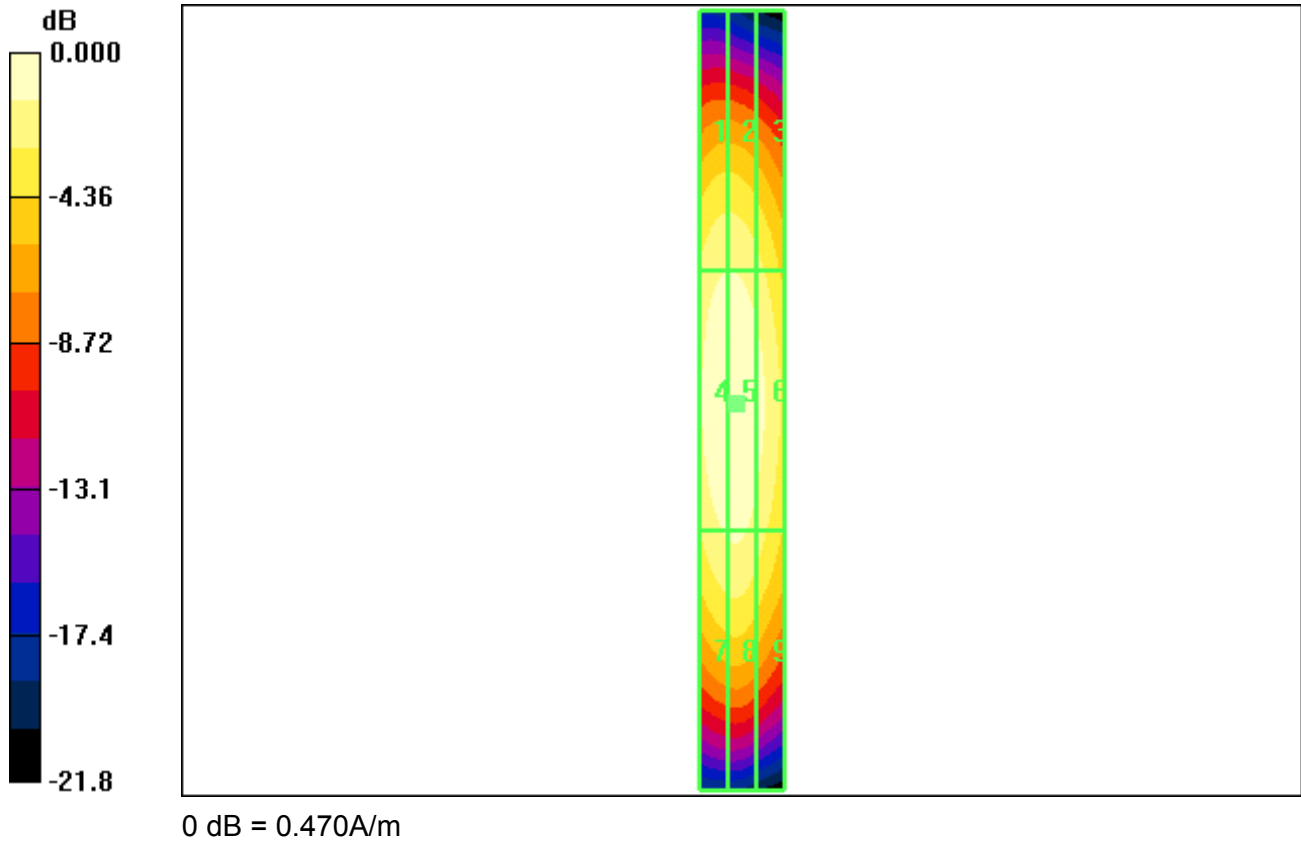
Maximum value of peak Total field = 0.470 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.526 A/m; Power Drift = -0.035 dB

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.398	0.398	0.357
Grid 4	Grid 5	Grid 6
0.464	0.470	0.425
Grid 7	Grid 8	Grid 9
0.405	0.411	0.367



Date: 10/15/2008

File Name: [Validation E-Field Probe SN2341, Dipole SN1015, 1700Mhz, Oct 15,08.da4](#)

Communication System: AWS-1700; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/17/2008

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn530; Calibrated: 4/15/2008

- Phantom: HAC Test Arch; Type: SD HAC P01 BA;

- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

E-Field Scan/Hearing Aid Compatibility Test (21x181x1): Measurement grid: dx=5mm, dy=5mm

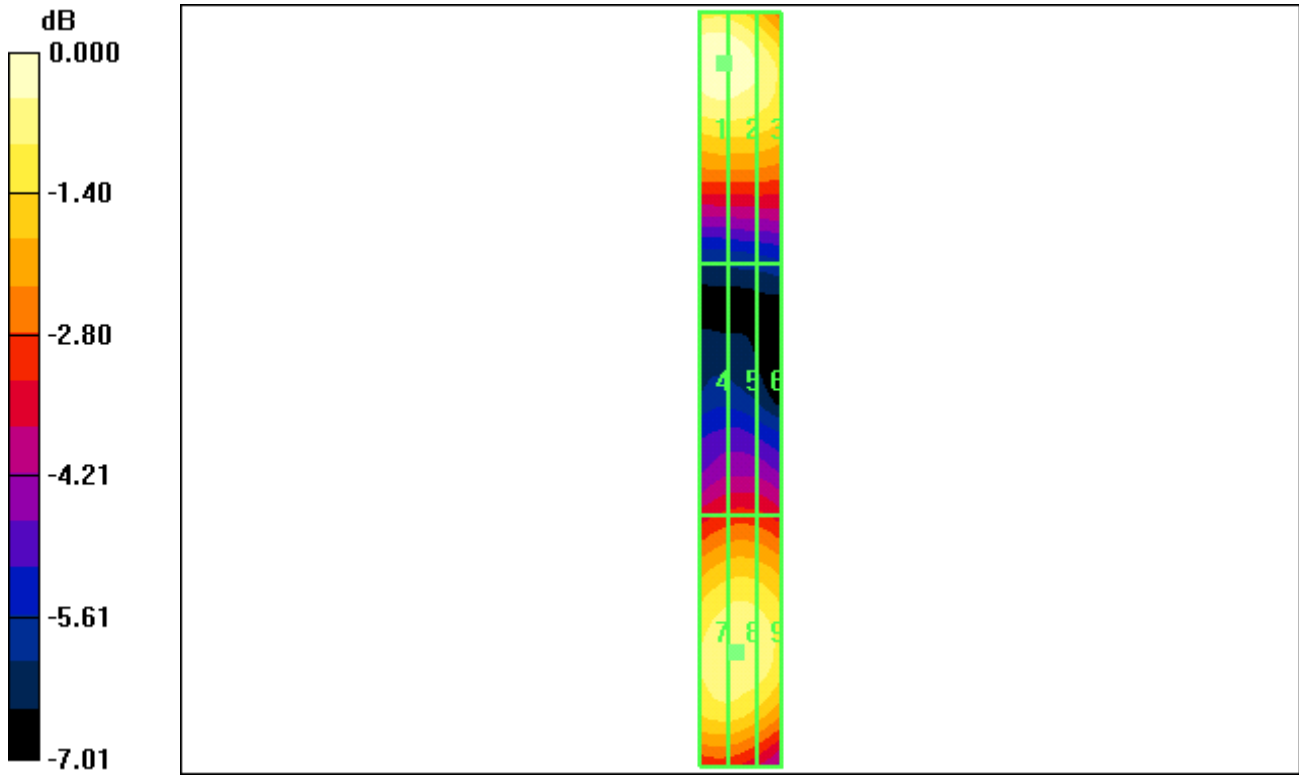
Maximum value of peak Total field = 142.5 V/m

Probe Modulation Factor = 1.00

Reference Value = 74.5 V/m; Power Drift = 0.029 dB

Peak E-field in V/m

Grid 1 142.5	Grid 2 142.4	Grid 3 135.4
Grid 4 99.6	Grid 5 100.3	Grid 6 99.4
Grid 7 134.3	Grid 8 134.7	Grid 9 132.7



0 dB = 142.5V/m

Date: 10/15/2008

File Name: [Validation H-Field Probe SN6029, Dipole SN1015, 1700Mhz, Oct 15.08.da4](#)

Communication System: AWS-1700; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV5 - SN6029; ; Calibrated: 6/19/2008

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn530; Calibrated: 4/15/2008

- Phantom: HAC Test Arch; Type: SD HAC P01 BA; - Measurement SW: DASY4, V4.7 Build 44;

Postprocessing SW: SEMCAD, V1.8 Build 171

H-Field Scan/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

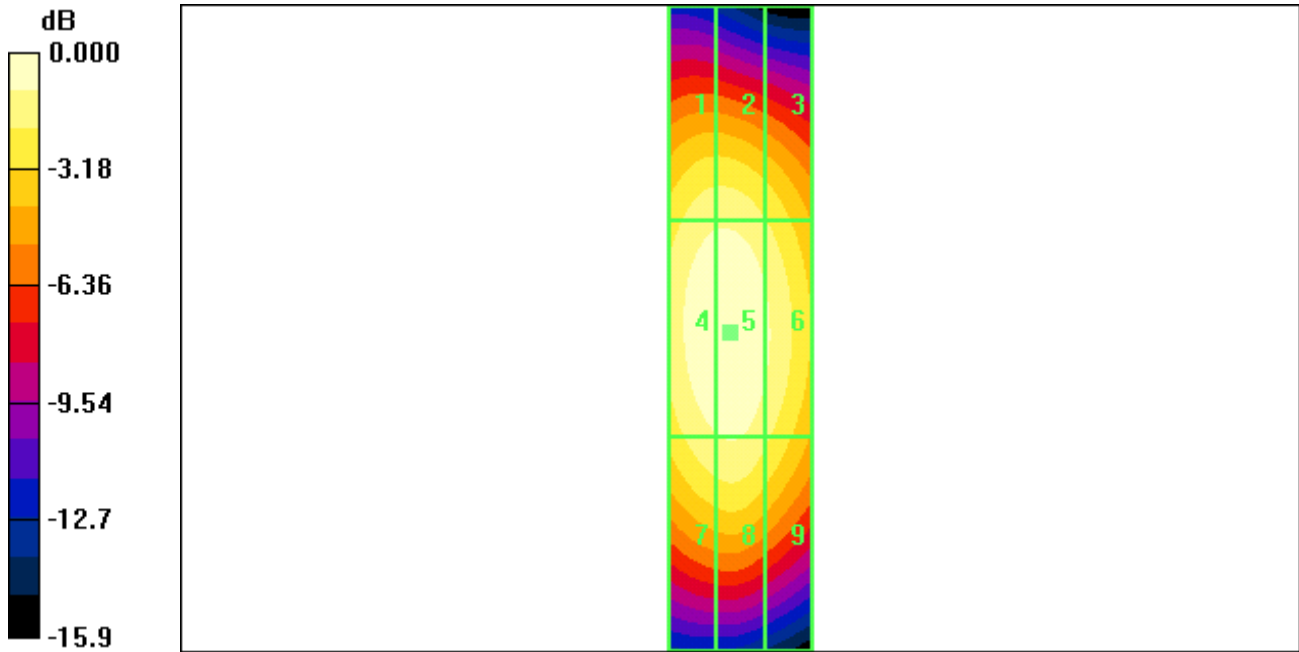
Maximum value of peak Total field = 0.467 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.511 A/m; Power Drift = -0.018 dB

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.405	0.407	0.368
Grid 4	Grid 5	Grid 6
0.459	0.467	0.423
Grid 7	Grid 8	Grid 9
0.410	0.418	0.376



0 dB = 0.467A/m

Date: 10/15/2008

File Name: [Validation E-Field Probe SN2341, Dipole SN1015, 1900Mhz, Oct 15,08.da4](#)

Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Phantom section: E Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 4/17/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

E-Field Scan/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

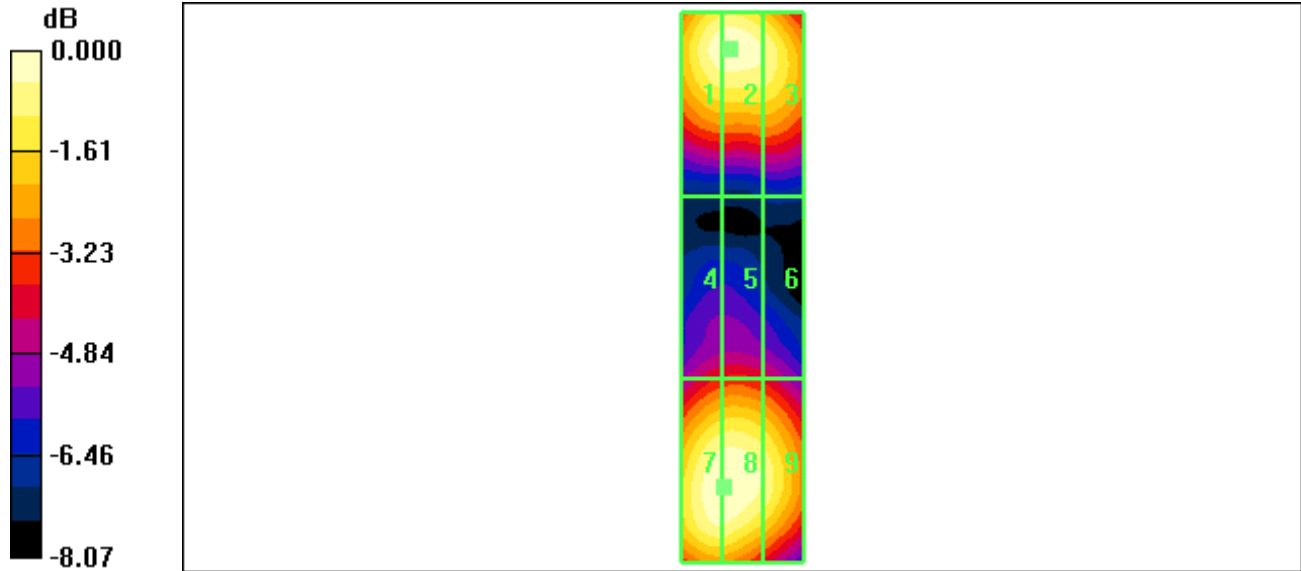
Maximum value of peak Total field = 139.1 V/m

Probe Modulation Factor = 1.00

Reference Value = 73.2 V/m; Power Drift = 0.021 dB

Peak E-field in V/m

Grid 1 136.4	Grid 2 137.2	Grid 3 130.8
Grid 4 91.6	Grid 5 93.1	Grid 6 88.5
Grid 7 138.9	Grid 8 139.1	Grid 9 129.4



0 dB = 139.1V/m

Date: 10/15/2008

File Name: [Validation_H-Field_Probe_SN6029_Dipole_SN1015_1900Mhz_Oct_15.08.da4](#)

Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³

Phantom section: H Device Section

DASY4 Configuration:

- Probe: H3DV5 - SN6029; ; Calibrated: 6/19/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

H-Field Scan/Hearing Aid Compatibility Test (21x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.488 A/m

Probe Modulation Factor = 1.00

Reference Value = 0.529 A/m; Power Drift = 0.002 dB

Peak H-field in A/m

Grid 1	Grid 2	Grid 3
0.440	0.440	0.420
Grid 4	Grid 5	Grid 6
0.488	0.488	0.466
Grid 7	Grid 8	Grid 9
0.447	0.447	0.425

