

Validation E Field Probe SN2341, Dipole SN1020, 835MHz

Date: 8/12/2010

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2341, ConvF(1, 1, 1), Calibrated: 7/12/2011
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2011
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

E Scan 835 - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test (41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 164.7 V/m

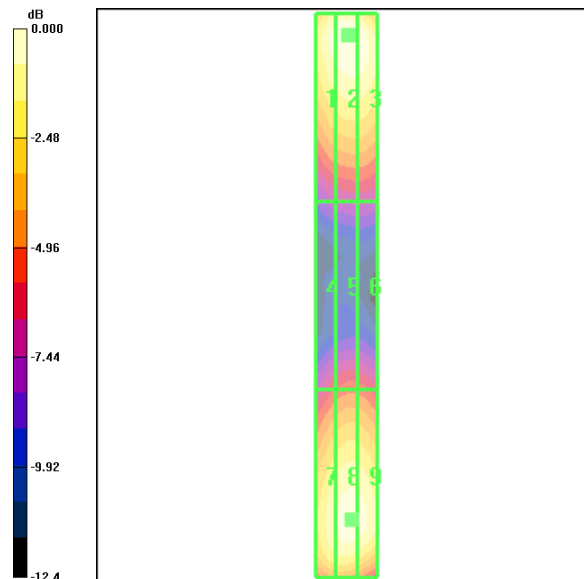
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 163.3 V/m; Power Drift = 0.165 dB

Peak E-field in V/m

Grid 1 158.8 M4	Grid 2 164.7 M4	Grid 3 162.5 M4
Grid 4 85.6 M4	Grid 5 91.0 M4	Grid 6 90.5 M4
Grid 7 149.8 M4	Grid 8 159.7 M4	Grid 9 157.8 M4



0 dB = 164.7V/m

Validation H Field Probe SN6029, Dipole SN1020, 835MHz

Date: 8/13/2010

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: H3DV5 - SN6029, , Calibrated: 7/16/2012
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2011
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing

Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.457 A/m

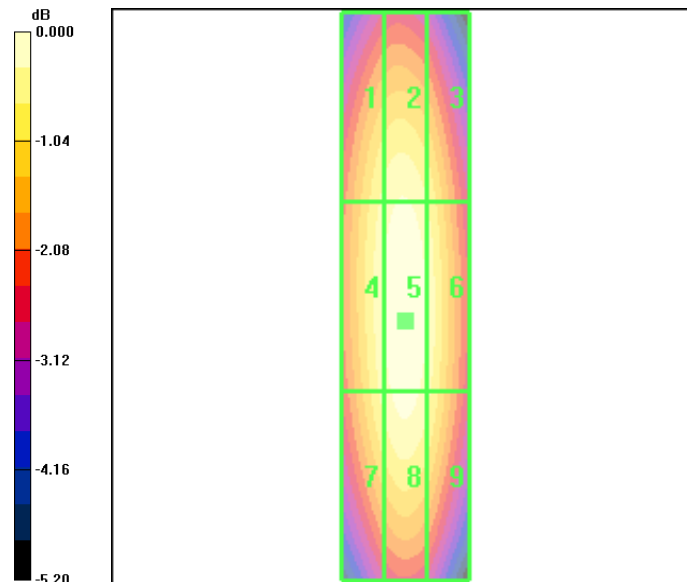
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.483 A/m; Power Drift = 0.389 dB

Peak H-field in A/m

Grid 1 0.427 M4	Grid 2 0.441 M4	Grid 3 0.422 M4
Grid 4 0.438 M4	Grid 5 0.457 M4	Grid 6 0.437 M4
Grid 7 0.429 M4	Grid 8 0.448 M4	Grid 9 0.428 M4



0 dB = 0.457A/m

Validation E Field Probe SN2341, Dipole SN1015, 1900MHz

Date: 8/12/2010

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: ER3DV6 - SN2341, ConvF(1, 1, 1), Calibrated: 7/12/2011
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2011
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

E Scan 1880 - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 136.7 V/m

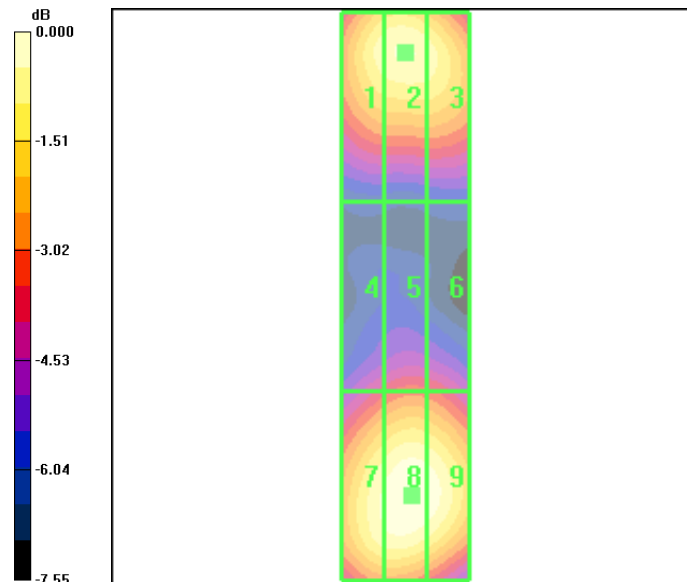
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 135.9 V/m; Power Drift = 0.056 dB

Peak E-field in V/m

Grid 1 126.6 M2	Grid 2 130.1 M2	Grid 3 126.1 M2
Grid 4 88.5 M3	Grid 5 94.4 M3	Grid 6 92.9 M3
Grid 7 130.9 M2	Grid 8 136.7 M2	Grid 9 134.8 M2



0 dB = 136.7V/m

Validation H Field Probe SN6029, Dipole SN1015, 1900MHz

Date: 8/13/2010

Communication System: CW, Frequency: 1800 MHz, Duty Cycle: 1:1
 Medium: Air, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
 Phantom: HAC Test Arch with AMCC, Phantom section: RF Section

DASY4 Configuration:

Probe: H3DV5 - SN6029, , Calibrated: 7/16/2012
 Sensor-Surface: (Fix Surface),
 Electronics: DAE4 Sn527, Calibrated: 7/9/2011
 Measurement SW: DASY4, V4.7 Build 80
 Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing

Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.474 A/m

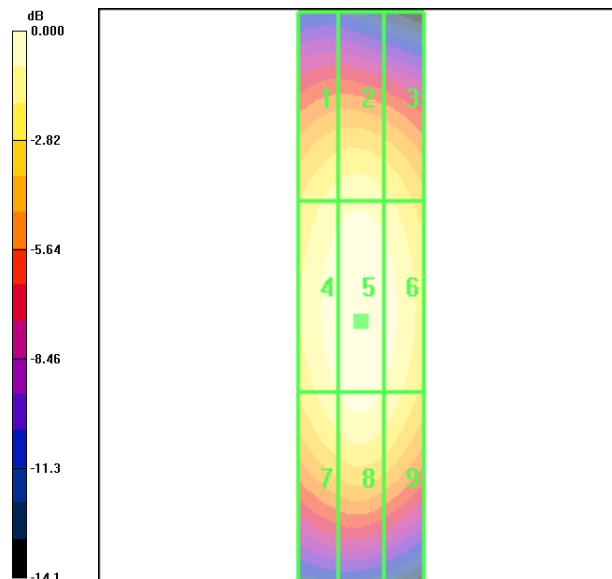
Probe Modulation Factor = 1.00

Device Reference Point: 0.000, 0.000, -6.30 mm

Reference Value = 0.522 A/m; Power Drift = -0.055 dB

Peak H-field in A/m

Grid 1 0.405 M2	Grid 2 0.417 M2	Grid 3 0.398 M2
Grid 4 0.455 M2	Grid 5 0.474 M2	Grid 6 0.452 M2
Grid 7 0.426 M2	Grid 8 0.447 M2	Grid 9 0.423 M2



0 dB = 0.474A/m