Validation E-Field Probe SN2341, Dipole SN1020, 835 MHz

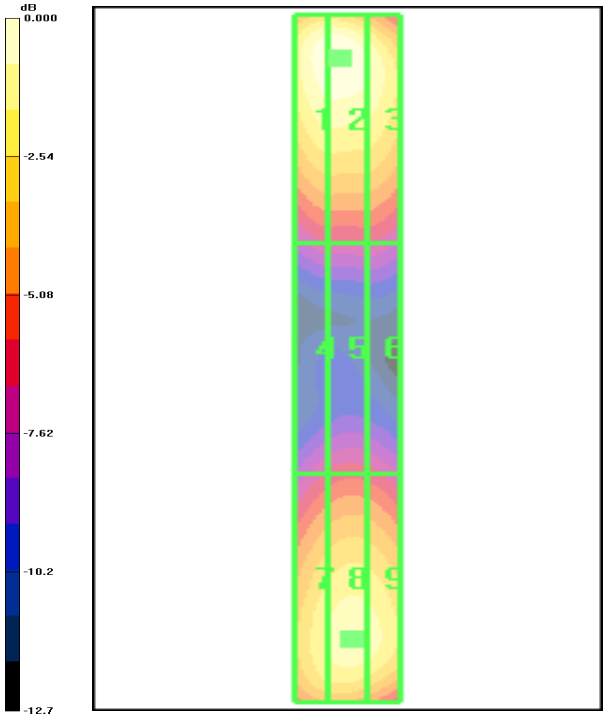
Date: 7/1/2009

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 -
Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3
Phantom section: E Dipole Section
DASY4 Configuration:
- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 3/10/2009
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 3/12/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

E Scan - 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 = 170.4 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 53.8 V/m; Power Drift = 0.014 dB

Peak E-field in V/m

Grid 1 **168.7 M4**	Grid 2 **170.4 M4**	Grid 3 **157.3 M4**
Grid 4 **79.9 M4**	Grid 5 **83.9 M4**	Grid 6 **82.3 M4**
Grid 7 **141.9 M4**	Grid 8 **150.8 M4**	Grid 9 **148.5 M4**



0 dB = 170.4V/m

Validation H-Field Probe SN6123, Dipole SN1020, 835 MHz

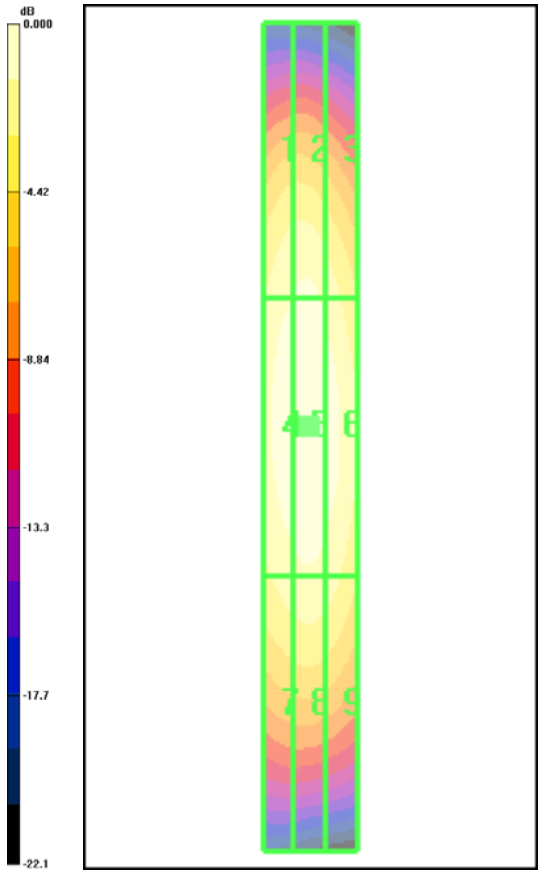
Date: 6/30/2009

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2
Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: E Dipole Section
DASY4 Configuration:
- Probe: H3DV6 - SN6123; ; Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 3/12/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

H Scan - 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 = 0.425 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 0.389 A/m; Power Drift = 0.051 dB

Peak H-field in A/m

Grid 1 **0.362 M4**	Grid 2 **0.376 M4**	Grid 3 **0.341 M4**
Grid 4 **0.410 M4**	Grid 5 **0.425 M4**	Grid 6 **0.396 M4**
Grid 7 **0.340 M4**	Grid 8 **0.351 M4**	Grid 9 **0.332 M4**



0 dB = 0.425A/m

Validation H-Field Probe SN6123, Dipole SN1020, 835 MHz

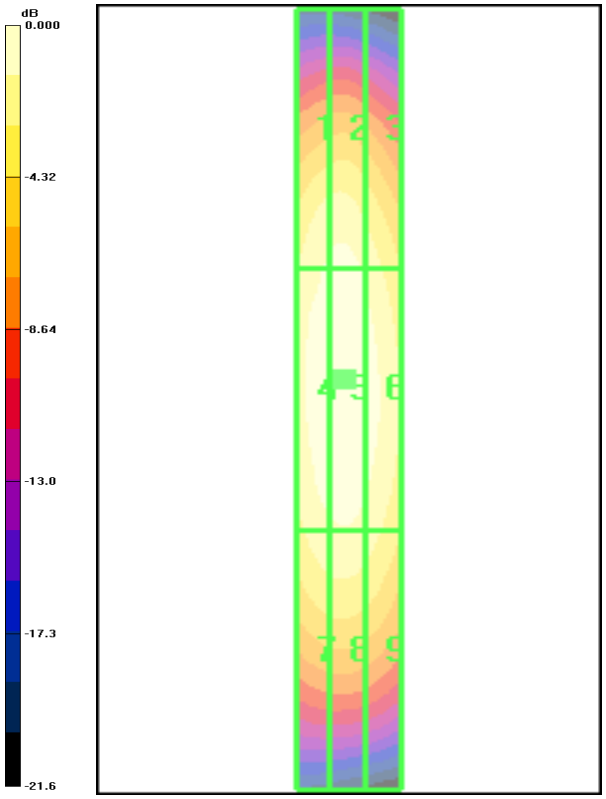
Date: 7/1/2009

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2
Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: E Dipole Section
DASY4 Configuration:
- Probe: H3DV6 - SN6123; ; Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 3/12/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

H Scan - 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 = 0.435 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 0.395 A/m; Power Drift = -0.107 dB

Peak H-field in A/m

Grid 1 **0.381 M4**	Grid 2 **0.392 M4**	Grid 3 **0.352 M4**
Grid 4 **0.422 M4**	Grid 5 **0.435 M4**	Grid 6 **0.401 M4**
Grid 7 **0.359 M4**	Grid 8 **0.366 M4**	Grid 9 **0.342 M4**



0 dB = 0.435A/m

Validation E-Field Probe SN2341, Dipole SN1015, 1800 MHz

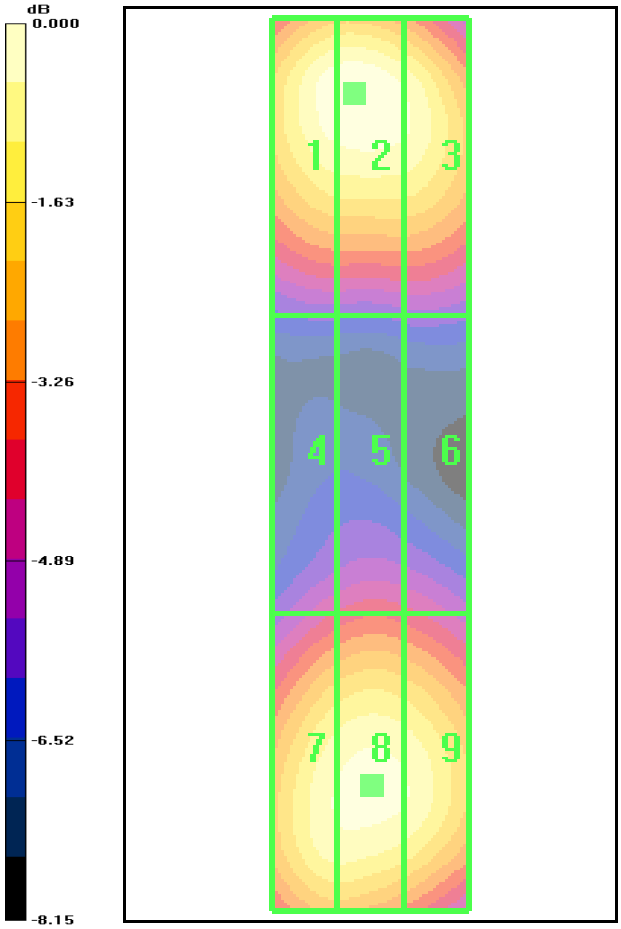
Date: 7/1/2009

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2
Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1000 kg/m^3
Phantom section: E Dipole Section
DASY4 Configuration:
- Probe: ER3DV6 - SN2341; ConvF(1, 1, 1); Calibrated: 3/10/2009
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 3/12/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

E Scan - measurement distance from the probe sensor center to CD1700 Dipole = 10mm/Hearing Aid Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm
Maximum value of peak Total field = 143.1 V/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 115.5 V/m; Power Drift = -0.123 dB

Peak E-field in V/m

Grid 1 **141.2 M2**	Grid 2 **143.1 M2**	Grid 3 **136.5 M2**
Grid 4 **87.3 M3**	Grid 5 **91.4 M3**	Grid 6 **89.0 M3**
Grid 7 **135.3 M2**	Grid 8 **138.3 M2**	Grid 9 **135.3 M2**



0 dB = 143.1V/m

Validation H-Field Probe SN6123, Dipole SN1015, 1880 MHz

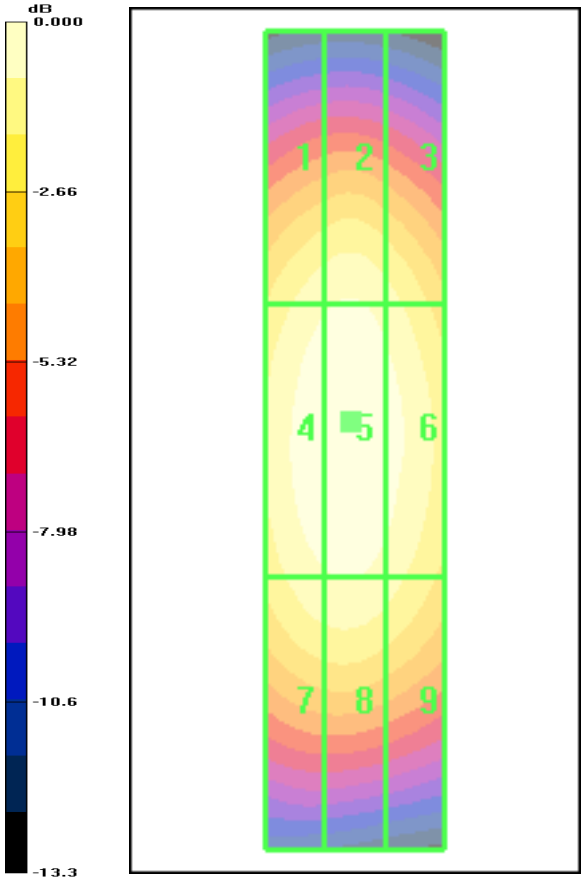
Date: 6/30/2009

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2
Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: H Dipole Section
DASY4 Configuration:
- Probe: H3DV6 - SN6123; ; Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 3/12/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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 = 0.448 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 0.470 A/m; Power Drift = -0.017 dB

Peak H-field in A/m

Grid 1 **0.397 M2**	Grid 2 **0.410 M2**	Grid 3 **0.384 M2**
Grid 4 **0.437 M2**	Grid 5 **0.448 M2**	Grid 6 **0.425 M2**
Grid 7 **0.399 M2**	Grid 8 **0.407 M2**	Grid 9 **0.384 M2**



0 dB = 0.448A/m

Validation H-Field Probe SN6123, Dipole SN1015, 1880 MHz

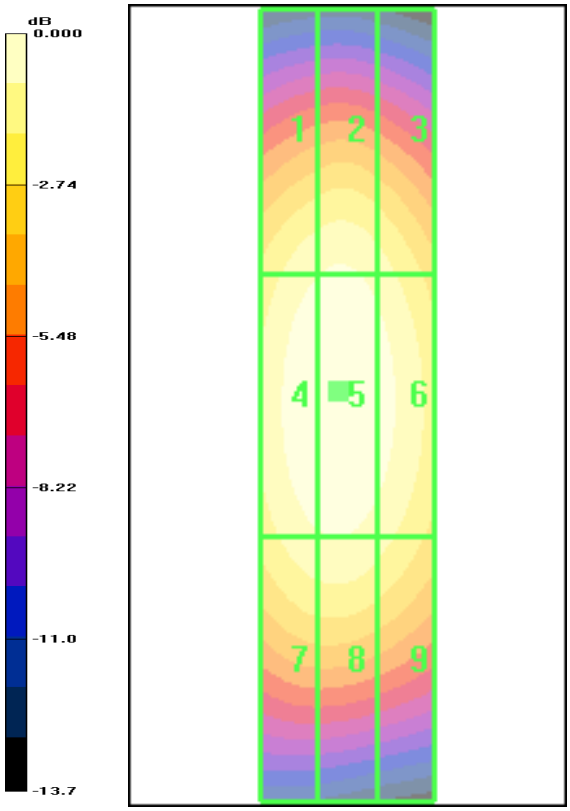
Date: 7/1/2009

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2
Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: H Dipole Section
DASY4 Configuration:
- Probe: H3DV6 - SN6123; ; Calibrated: 8/18/2008
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 3/12/2009
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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 = 0.446 A/m
Probe Modulation Factor = 1.00
Device Reference Point: 0.000, 0.000, 354.7 mm
Reference Value = 0.472 A/m; Power Drift = 0.034 dB

Peak H-field in A/m

Grid 1 **0.399 M2**	Grid 2 **0.408 M2**	Grid 3 **0.383 M2**
Grid 4 **0.438 M2**	Grid 5 **0.446 M2**	Grid 6 **0.422 M2**
Grid 7 **0.396 M2**	Grid 8 **0.401 M2**	Grid 9 **0.377 M2**



0 dB = 0.446A/m