Appendix D

Contour Plots

HCT CO., LTD
SAN 136-1, AMI-RI , BUBAL-EUP, ICHEON-SI, KYOUNGKI-DO, 467-701, KOREA
TEL : + 82 31 639 8518   FAX : + 82 31 639 8525   www.hct.co.kr

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CDMA835 (1013CH)

Test Laboratory: HCT
File Name: 001_1013ch.da4

DUT: A415; Type: Bar
Program Name: HAC_TCoil_WD_Emission

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: AMB with Coil Section

DASY4 Configuration:
- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Point measurement/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -36.6 dB A/m
Location: -7, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.0 dB
ABM1 comp = 6.41 dB A/m
BWC Factor = 0.151969 dB
Location: -7, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 6.41 dB A/m
BWC Factor = 0.151969 dB
Location: -7, 0.5, 363.7 mm

Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -38.6 dB A/m
Location: 1.5, -7, 363.7 mm

Point measurement/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 44.0 dB
ABM1 comp = 5.36 dB A/m
BWC Factor = 0.151969 dB
Location: 1.5, -7, 363.7 mm

Point measurement/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.36 dB A/m
BWC Factor = 0.151969 dB
Location: 1.5, -7, 363.7 mm

Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.4 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 0.5, 363.7 mm

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Point measurement/z (axial) 300-3k response at max/ABM Freq Resp(x,y,z,f) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
Diff = 1.05 dB
BWC Factor = 10.8 dB
Location: 1.2, −1.2, 365 mm

Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = −31.0 dB A/m
Location: −0.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.9 dB
ABM1 comp = 12.9 dB A/m
BWC Factor = 0.151969 dB
Location: −0.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):
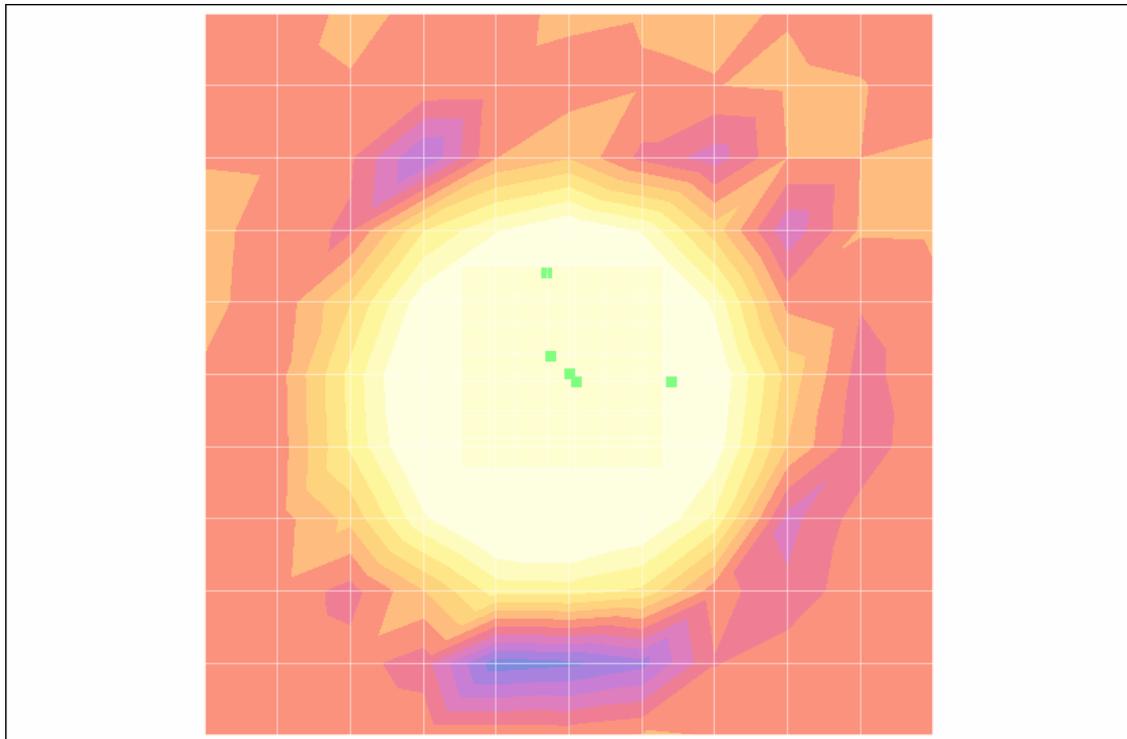Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 12.9 dB A/m
BWC Factor = 0.151969 dB
Location: −0.5, 0.5, 363.7 mm

Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.3 dB A/m
BWC Factor = 0.151969 dB
Location: 0, 0, 363.7 mm

0 dB = 1.00A/m

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CDMA835 (384CH)

Test Laboratory: HCT
File Name: 002_384ch.da4

DUT: A415; Type: Bar
Program Name: HAC_TCoil_WD_Emission

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: AMB with Coil Section

DASY4 Configuration:
- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Point measurement/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -37.2 dB A/m
Location: -7, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.8 dB
ABM1 comp = 6.69 dB A/m
BWC Factor = 0.152993 dB
Location: -7, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 6.69 dB A/m
BWC Factor = 0.152993 dB
Location: -7, 0.5, 363.7 mm

Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -38.3 dB A/m
Location: -0.5, 8, 363.7 mm

Point measurement/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.8 dB
ABM1 comp = 5.49 dB A/m
BWC Factor = 0.152993 dB
Location: -0.5, 8, 363.7 mm

Point measurement/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.49 dB A/m
BWC Factor = 0.152993 dB
Location: -0.5, 8, 363.7 mm

Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.8 dB A/m
BWC Factor = 0.151969 dB
Location: 1.5, 0.5, 363.7 mm

Point measurement/z (axial) 300-3k response at max/ABM Freq Resp(x,y,z,f) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
Diff = 1.49 dB
BWC Factor = 10.8 dB
Location: 3.2, -1.2, 365 mm

Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -31.3 dB A/m
Location: 1.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 44.6 dB
ABM1 comp = 13.3 dB A/m
BWC Factor = 0.152993 dB
Location: 1.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):
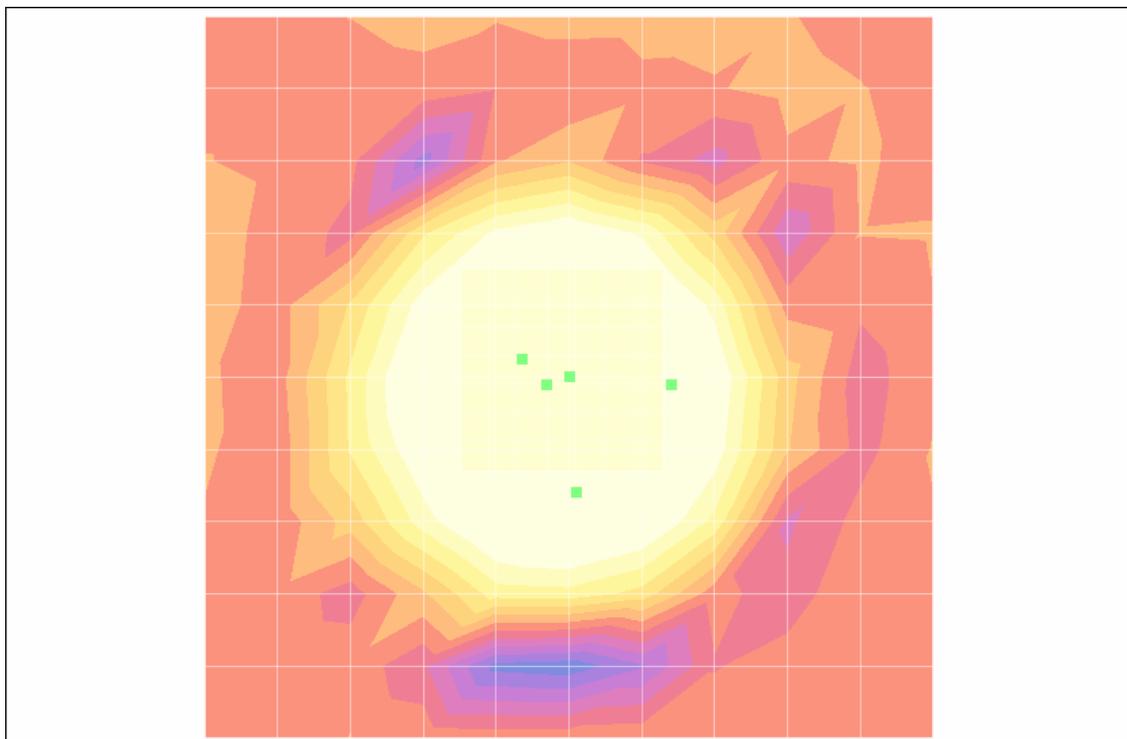Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.3 dB A/m
BWC Factor = 0.152993 dB
Location: 1.5, 0.5, 363.7 mm

Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.2 dB A/m
BWC Factor = 0.151969 dB
Location: 0, 0, 363.7 mm

0 dB = 1.00A/m

CDMA800 (777CH)

Test Laboratory: HCT
File Name: 003_777ch.da4

DUT: A415; Type: Bar
Program Name: HAC_TCoil_WD_Emission

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: AMB with Coil Section

DASY4 Configuration:
- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Point measurement/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -36.7 dB A/m
Location: -7, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.0 dB
ABM1 comp = 6.27 dB A/m
BWC Factor = 0.178983 dB
Location: -7, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 6.27 dB A/m
BWC Factor = 0.178983 dB
Location: -7, 0.5, 363.7 mm

Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -37.8 dB A/m
Location: -0.5, 10, 363.7 mm

Point measurement/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.2 dB
ABM1 comp = 5.34 dB A/m
BWC Factor = 0.178983 dB
Location: -0.5, 10, 363.7 mm

Point measurement/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.34 dB A/m
BWC Factor = 0.178983 dB
Location: -0.5, 10, 363.7 mm

Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.5 dB A/m
BWC Factor = 0.15103 dB
Location: -0.5, 2.5, 363.7 mm

Point measurement/z (axial) 300-3k response at max/ABM Freq Resp(x,y,z,f) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
Diff = 1.34 dB
BWC Factor = 10.8 dB
Location: 1.2, 0.8, 365 mm

Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -29.9 dB A/m
Location: -0.5, 2.5, 363.7 mm

Point measurement/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.0 dB
ABM1 comp = 13.1 dB A/m
BWC Factor = 0.178983 dB
Location: -0.5, 2.5, 363.7 mm

Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):
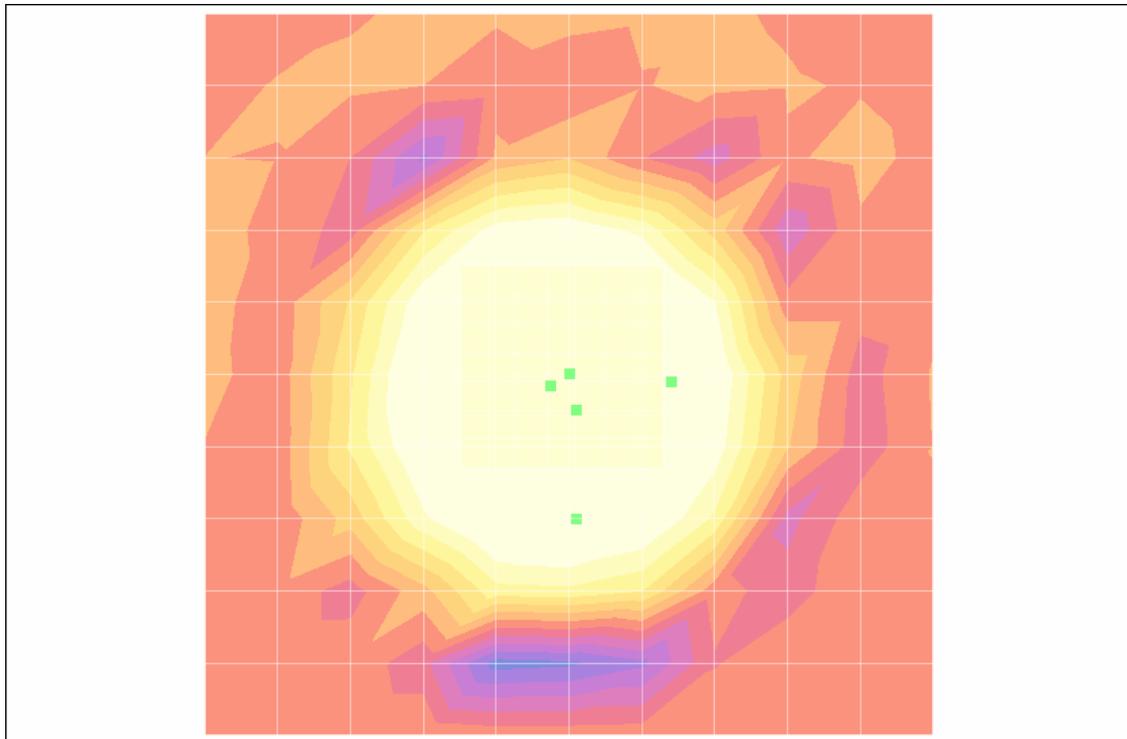Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.1 dB A/m
BWC Factor = 0.178983 dB
Location: -0.5, 2.5, 363.7 mm

Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.5 dB A/m
BWC Factor = 0.15103 dB
Location: 0, 0, 363.7 mm

0 dB = 1.00A/m

PCS1900 (25CH)

Test Laboratory: HCT
File Name: 004_25ch.da4

DUT: A415; Type: Bar
Program Name: HAC_TCoil_WD_Emission

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: AMB with Coil Section

DASY4 Configuration:
- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Point measurement/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -37.0 dB A/m
Location: -8, 2.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.6 dB
ABM1 comp = 6.65 dB A/m
BWC Factor = 0.151969 dB
Location: -8, 2.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 6.65 dB A/m
BWC Factor = 0.151969 dB
Location: -8, 2.5, 363.7 mm

Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -37.3 dB A/m
Location: -0.5, 8, 363.7 mm

Point measurement/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 42.7 dB
ABM1 comp = 5.46 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 8, 363.7 mm

Point measurement/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.46 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 8, 363.7 mm

Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.6 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 2.5, 363.7 mm

Point measurement/z (axial) 300-3k response at max/ABM Freq Resp(x,y,z,f) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
Diff = 1.32 dB
BWC Factor = 10.8 dB
Location: 1.2, 0.8, 365 mm

Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -30.0 dB A/m
Location: -0.5, 2.5, 363.7 mm

Point measurement/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.4 dB
ABM1 comp = 13.3 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 2.5, 363.7 mm

Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):
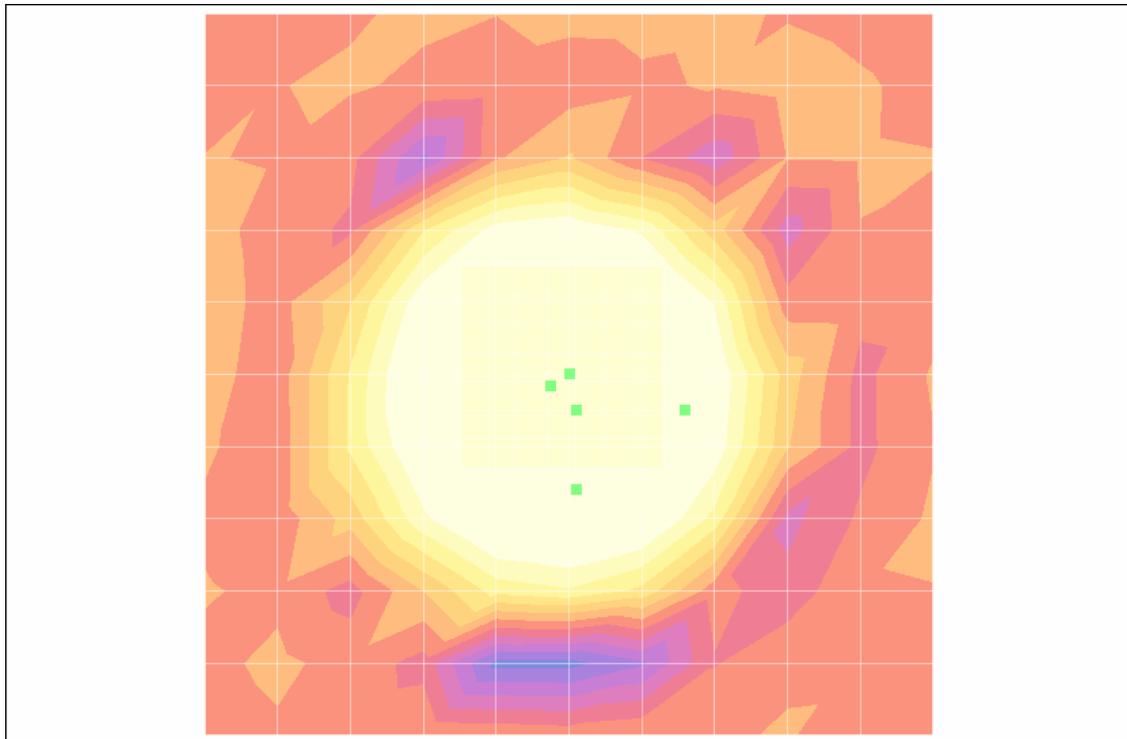Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.3 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 2.5, 363.7 mm

Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.7 dB A/m
BWC Factor = 0.151969 dB
Location: 0, 0, 363.7 mm

0 dB = 1.00A/m

PCS1900 (600CH)

Test Laboratory: HCT
File Name: 005_600ch.da4

DUT: A415; Type: Bar
Program Name: HAC_TCoil_WD_Emission

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: AMB with Coil Section

DASY4 Configuration:
- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Point measurement/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -39.1 dB A/m
Location: -8, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 45.4 dB
ABM1 comp = 6.21 dB A/m
BWC Factor = 0.151969 dB
Location: -8, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 6.21 dB A/m
BWC Factor = 0.151969 dB
Location: -8, 0.5, 363.7 mm

Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -40.0 dB A/m
Location: -0.5, -7, 363.7 mm

Point measurement/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 45.4 dB
ABM1 comp = 5.40 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, -7, 363.7 mm

Point measurement/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.40 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, -7, 363.7 mm

Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 14.0 dB A/m
BWC Factor = 0.151969 dB
Location: 1.5, 0.5, 363.7 mm

Point measurement/z (axial) 300-3k response at max/ABM Freq Resp(x,y,z,f) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
Diff = 0.806 dB
BWC Factor = 10.8 dB
Location: 3.2, -1.2, 365 mm

Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -30.9 dB A/m
Location: 1.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 44.0 dB
ABM1 comp = 13.2 dB A/m
BWC Factor = 0.151969 dB
Location: 1.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.2 dB A/m
BWC Factor = 0.151969 dB
Location: 1.5, 0.5, 363.7 mm

Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):
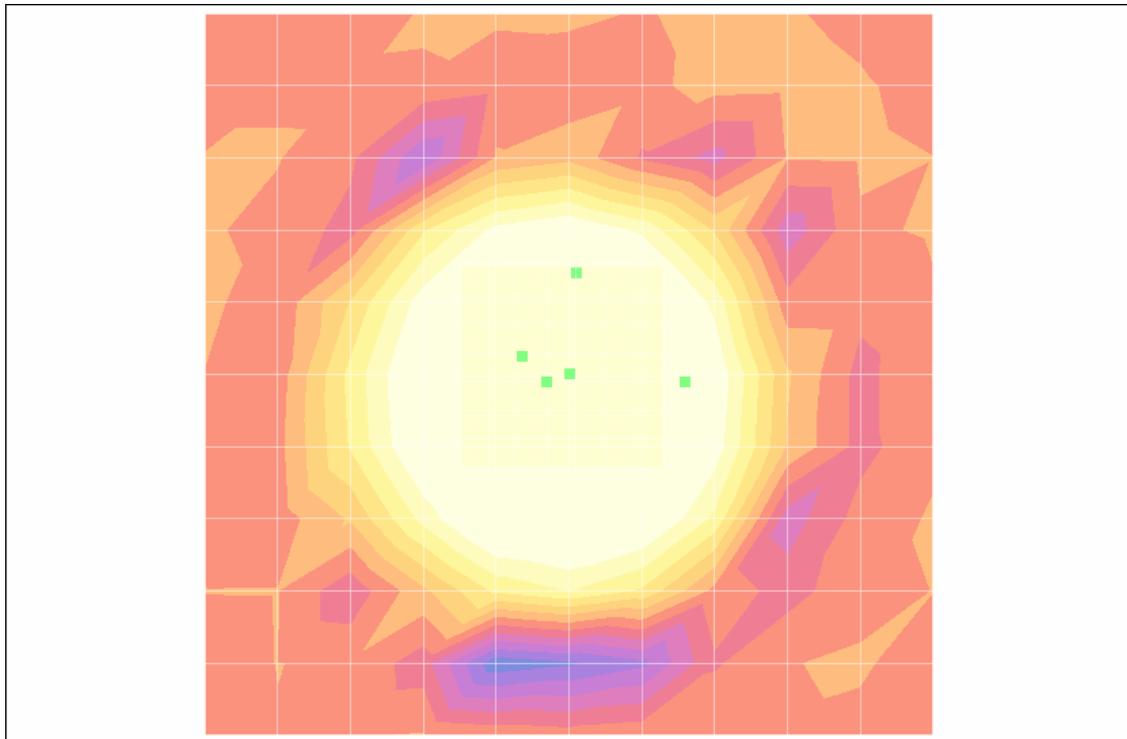Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.2 dB A/m
BWC Factor = 0.151969 dB
Location: 0, 0, 363.7 mm

0 dB = 1.00A/m

PCS1900 (1175CH)

Test Laboratory: HCT
File Name: 006_1175ch.da4

DUT: A415; Type: Bar
Program Name: HAC_TCoil_WD_Emission

Communication System: PCS 1900MHz FCC; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: AMB with Coil Section

DASY4 Configuration:
- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Point measurement/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -37.2 dB A/m
Location: -8, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.5 dB
ABM1 comp = 6.29 dB A/m
BWC Factor = 0.152993 dB
Location: -8, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 6.29 dB A/m
BWC Factor = 0.152993 dB
Location: -8, 0.5, 363.7 mm

Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -39.0 dB A/m
Location: -0.5, 10, 363.7 mm

Point measurement/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 44.4 dB
ABM1 comp = 5.38 dB A/m
BWC Factor = 0.152993 dB
Location: -0.5, 10, 363.7 mm

Point measurement/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.38 dB A/m
BWC Factor = 0.152993 dB
Location: -0.5, 10, 363.7 mm

Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.6 dB A/m
BWC Factor = 0.152993 dB
Location: -0.5, 0.5, 363.7 mm

Point measurement/z (axial) 300-3k response at max/ABM Freq Resp(x,y,z,f) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
Diff = 1.49 dB
BWC Factor = 10.8 dB
Location: 1.2, -1.2, 365 mm

Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -30.5 dB A/m
Location: -0.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 43.3 dB
ABM1 comp = 12.8 dB A/m
BWC Factor = 0.152993 dB
Location: -0.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 12.8 dB A/m
BWC Factor = 0.152993 dB
Location: -0.5, 0.5, 363.7 mm

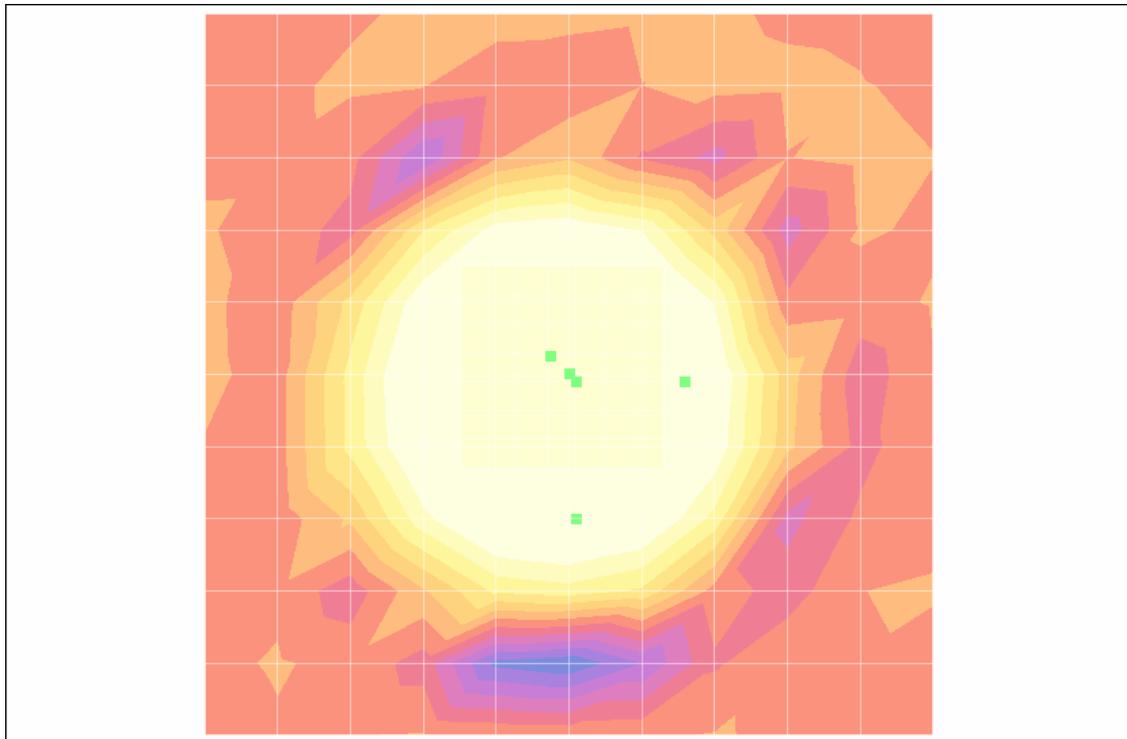**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.5 dB A/m
BWC Factor = 0.152993 dB
Location: 0, 0, 363.7 mm

0 dB = 1.00A/m

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AWS1700 (25CH)

Test Laboratory: HCT
File Name: 007_25ch.da4

DUT: A415; Type: Bar
Program Name: HAC_TCoil_WD_Emission

Communication System: AWS 1700 MHz FCC; Frequency: 1711.25 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: AMB with Coil Section

DASY4 Configuration:
- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Point measurement/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -42.2 dB A/m
Location: -7, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 48.3 dB
ABM1 comp = 6.17 dB A/m
BWC Factor = 0.151969 dB
Location: -7, 0.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 6.17 dB A/m
BWC Factor = 0.151969 dB
Location: -7, 0.5, 363.7 mm

Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -47.9 dB A/m
Location: 3.5, -7, 363.7 mm

Point measurement/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 52.9 dB
ABM1 comp = 5.04 dB A/m
BWC Factor = 0.151969 dB
Location: 3.5, -7, 363.7 mm

Point measurement/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.04 dB A/m
BWC Factor = 0.151969 dB
Location: 3.5, -7, 363.7 mm

Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 14.0 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 2.5, 363.7 mm

Point measurement/z (axial) 300-3k response at max/ABM Freq Resp(x,y,z,f) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
Diff = 1.10 dB
BWC Factor = 10.8 dB
Location: 1.2, 0.8, 365 mm

Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -37.9 dB A/m
Location: -0.5, 2.5, 363.7 mm

Point measurement/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 51.1 dB
ABM1 comp = 13.2 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 2.5, 363.7 mm

Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):
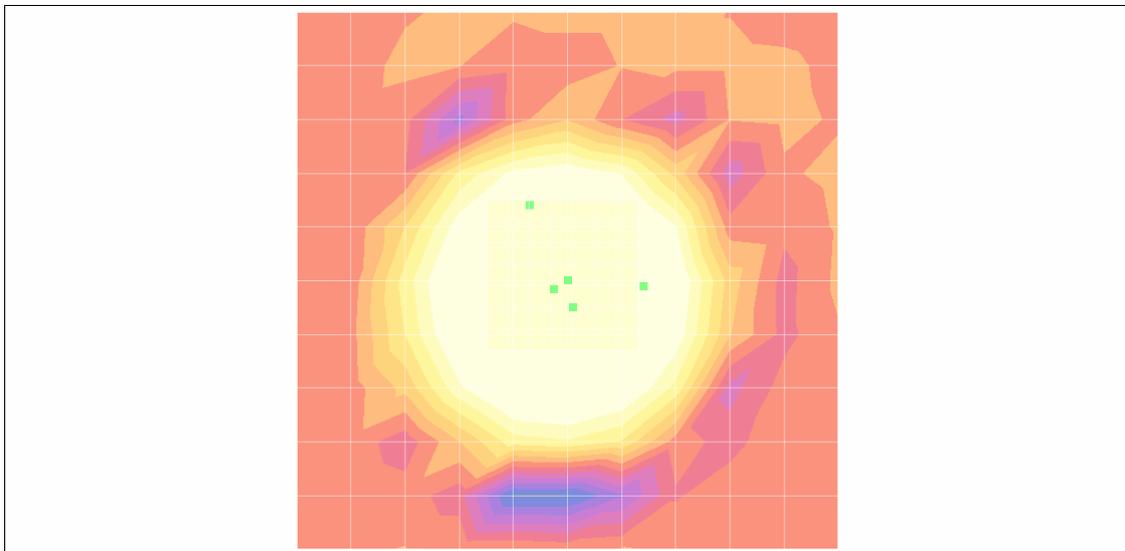Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.2 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 2.5, 363.7 mm

Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.3 dB A/m
BWC Factor = 0.151969 dB
Location: 0, 0, 363.7 mm

0 dB = 1.00A/m

AWS1700 (450CH)

Test Laboratory: HCT
File Name: 008_450ch.da4

DUT: A415; Type: Bar
Program Name: HAC_TCoil_WD_Emission

Communication System: AWS 1700 MHz FCC; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: AMB with Coil Section

DASY4 Configuration:
- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Point measurement/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -44.6 dB A/m
Location: -7, 2.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 50.7 dB
ABM1 comp = 6.08 dB A/m
BWC Factor = 0.151969 dB
Location: -7, 2.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 6.08 dB A/m
BWC Factor = 0.151969 dB
Location: -7, 2.5, 363.7 mm

Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -45.1 dB A/m
Location: -0.5, 10, 363.7 mm

Point measurement/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 50.7 dB
ABM1 comp = 5.59 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 10, 363.7 mm

Point measurement/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.59 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 10, 363.7 mm

Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 14.1 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 0.5, 363.7 mm

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Point measurement/z (axial) 300-3k response at max/ABM Freq Resp(x,y,z,f) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
Diff = 1.07 dB
BWC Factor = 10.8 dB
Location: 1.2, -1.2, 365 mm

Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -37.6 dB A/m
Location: -0.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 51.6 dB
ABM1 comp = 14.0 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):
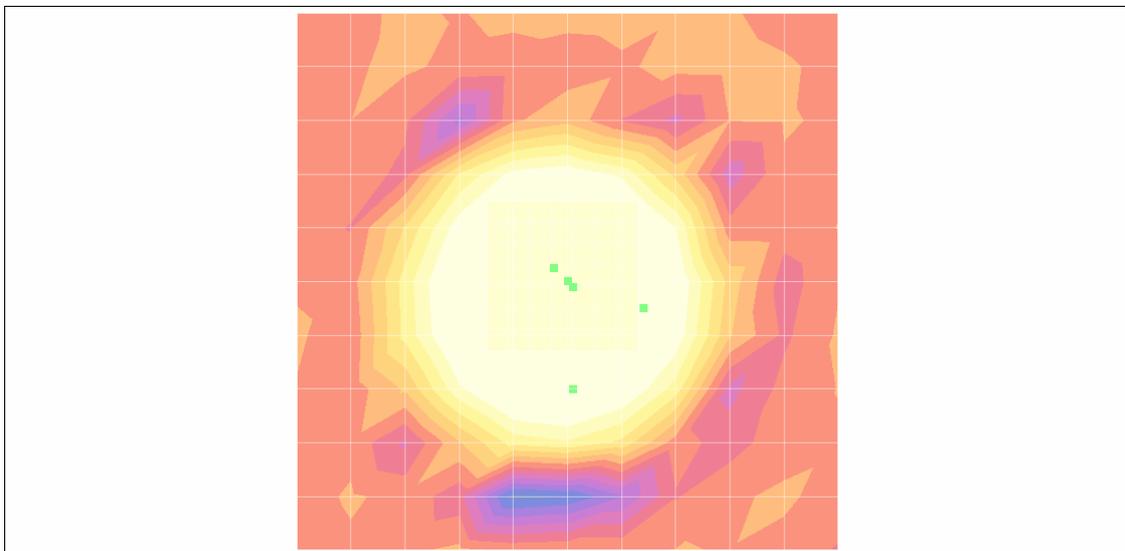Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 14.0 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 0.5, 363.7 mm

Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 12.9 dB A/m
BWC Factor = 0.151969 dB
Location: 0, 0, 363.7 mm

0 dB = 1.00A/m

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AWS1700 (875CH)

Test Laboratory: HCT
File Name: 009_875ch.da4

DUT: A415; Type: Bar
Program Name: HAC_TCoil_WD_Emission

Communication System: AWS 1700 MHz FCC; Frequency: 1753.75 MHz;Duty Cycle: 1:1
Medium parameters used: σ = 0 mho/m, ε_r = 1; ρ = 1 kg/m^3
Phantom section: AMB with Coil Section

DASY4 Configuration:
- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2010-09-21
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Point measurement/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -47.2 dB A/m
Location: -7, 2.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 52.7 dB
ABM1 comp = 5.49 dB A/m
BWC Factor = 0.151969 dB
Location: -7, 2.5, 363.7 mm

Point measurement/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.49 dB A/m
BWC Factor = 0.151969 dB
Location: -7, 2.5, 363.7 mm

Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -48.4 dB A/m
Location: 3.5, -7, 363.7 mm

Point measurement/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 53.7 dB
ABM1 comp = 5.31 dB A/m
BWC Factor = 0.151969 dB
Location: 3.5, -7, 363.7 mm

Point measurement/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 5.31 dB A/m
BWC Factor = 0.151969 dB
Location: 3.5, -7, 363.7 mm

Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 14.6 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 0.5, 363.7 mm

Point measurement/z (axial) 300-3k response at max/ABM Freq Resp(x,y,z,f) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
Diff = 1.57 dB
BWC Factor = 10.8 dB
Location: 1.2, -1.2, 365 mm

Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM2 = -40.2 dB A/m
Location: -0.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1/ABM2 = 53.6 dB
ABM1 comp = 13.4 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 0.5, 363.7 mm

Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):
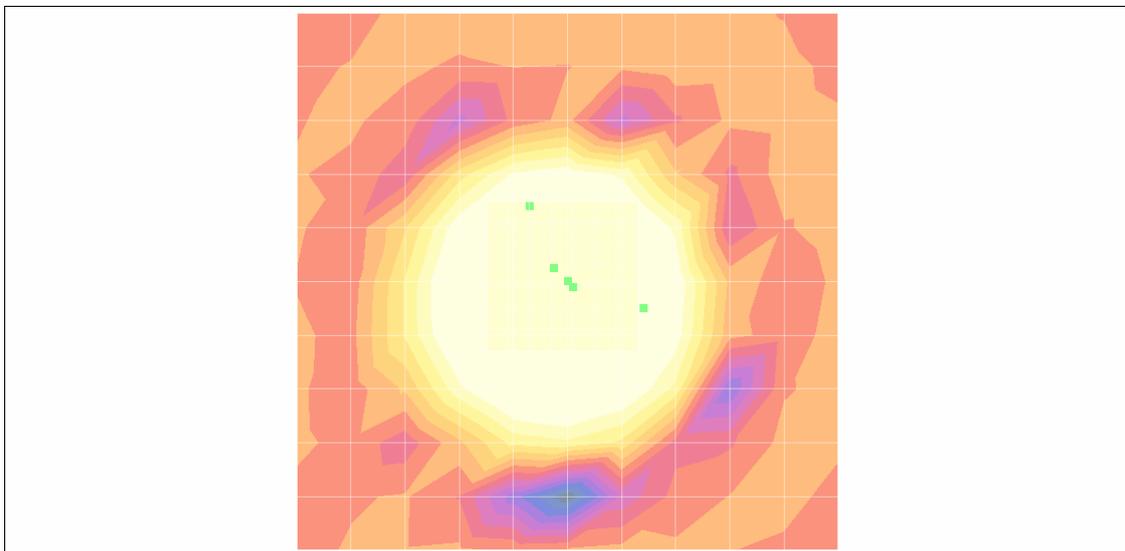Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.4 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, 0.5, 363.7 mm

Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):
Measurement grid: dx=10mm, dy=10mm
Cursor:
ABM1 comp = 13.4 dB A/m
BWC Factor = 0.151969 dB
Location: 0, 0, 363.7 mm

0 dB = 1.00A/m

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