

## EXHIBIT 13: APPENDIX D HAC T-Coil Data Plots

### Z (AXIAL) MEASUREMENT: CDMA 1900 Channel 25

**Equipment Setting:**

**DUT: Ceramix; Type: Cellular Phone ; Serial Number: 3139;**

**Date: 12/14/2008**

Communication System: CDMA; Frequency: 1850 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1045; ; Calibrated: 9/18/2008
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Scans CH25/z (axial) rough 50 x 50/ABM Interpolated Signal(x,y,z) (51x51x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -6.02 dB A/m

BWC Factor = 0.0155338 dB

Location: 5, -4, 363.7 mm

**Scans CH25/z (axial) 16 x 16/ABM Interpolated Signal(x,y,z) (41x41x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -6.03 dB A/m

BWC Factor = 0.0155338 dB

Location: 4.2, -3.4, 363.7 mm

**Point meas, TCoil on CH25/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = -8.81 dB A/m

BWC Factor = 0.015794 dB

Location: 9, -1, 363.7 mm

**Point meas, TCoil on CH25/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM2 = -40.1 dB A/m

Location: 9, -1, 363.7 mm

**Point meas, TCoil on CH25/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

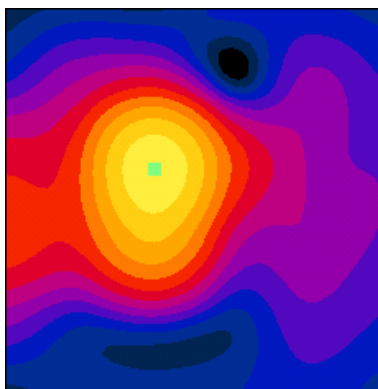
**Cursor:**

ABM1/ABM2 = 31.3 dB

BWC Factor = 0.015794 dB

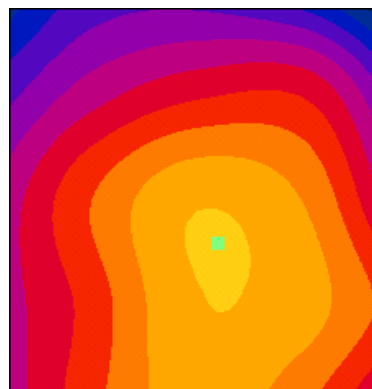
Location: 9, -1, 363.7 mm

**Z (axial) rough 50x50 scan:**



0 dB = 1.00A/m

**Z (axial) 16x16 scan:**



0 dB = 1.00A/m

**X RADIAL MEASUREMENT: CDMA 1900 Channel 25**

**Equipment Setting:**

**DUT: Ceramix; Type: Cellular Phone ; Serial Number: 3139;**

**Date: 12/14/2008**

Communication System: CDMA; Frequency: 1850 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1045; ; Calibrated: 9/18/2008
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Scans CH25/x (longitudinal) 24 x 16/ABM**

**Interpolated Signal(x,y,z) (61x41x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -12.9 dB A/m

BWC Factor = 0.0155338 dB

Location: -3, 2.6, 363.7 mm

**Point meas,TCoil on CH25/x (longitudinal) at max**

**x/ABM Signal(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = -12.5 dB A/m

BWC Factor = 0.015794 dB

Location: -3, -5, 363.7 mm

**Point meas,TCoil on CH25/x (longitudinal) at max**

**x/ABM Noise(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM2 = -25.4 dB A/m

Location: -3, -5, 363.7 mm

**Point meas,TCoil on CH25/x (longitudinal) at max**

**x/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

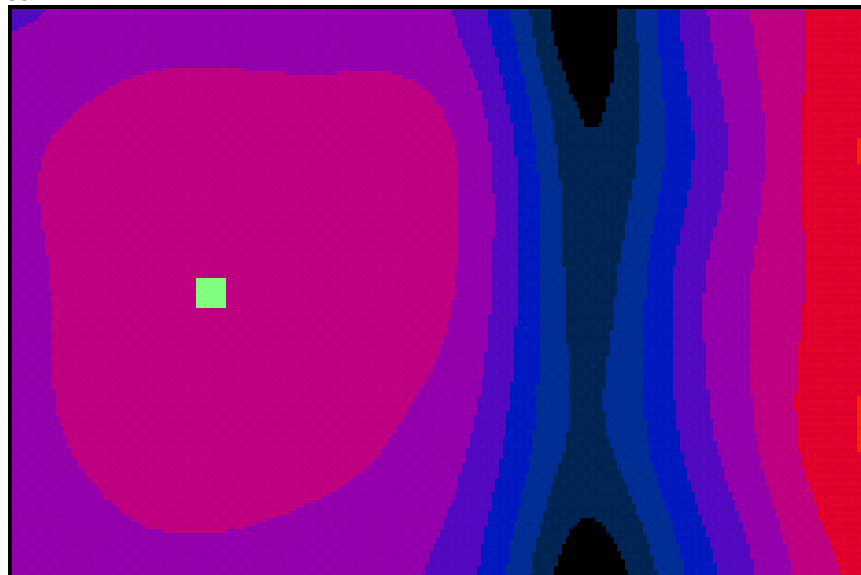
**Cursor:**

ABM1/ABM2 = 12.9 dB

BWC Factor = 0.015794 dB

Location: -3, -5, 363.7 mm

**X (Radial) 24x16 scan:**



0 dB = 1.00A/m

**Y RADIAL MEASUREMENT: CDMA 1900 Channel 25**

**Equipment Setting:**

**DUT: Ceramix; Type: Cellular Phone ; Serial Number: 3139;**

**Date: 12/14/2008**

Communication System: CDMA; Frequency: 1850 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1045; ; Calibrated: 9/18/2008
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Scans CH25/y (transversal) 16 x 24/ABM Interpolated Signal(x,y,z) (41x61x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -13.1 dB A/m

BWC Factor = 0.0155338 dB

Location: 4.6, -9.4, 363.7 mm

**Point meas, TCoil on CH25/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = -17.8 dB A/m

BWC Factor = 0.015794 dB

Location: 1, -5, 363.7 mm

**Point meas, TCoil on CH25/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM2 = -41.8 dB A/m

Location: 1, -5, 363.7 mm

**Point meas, TCoil on CH25/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

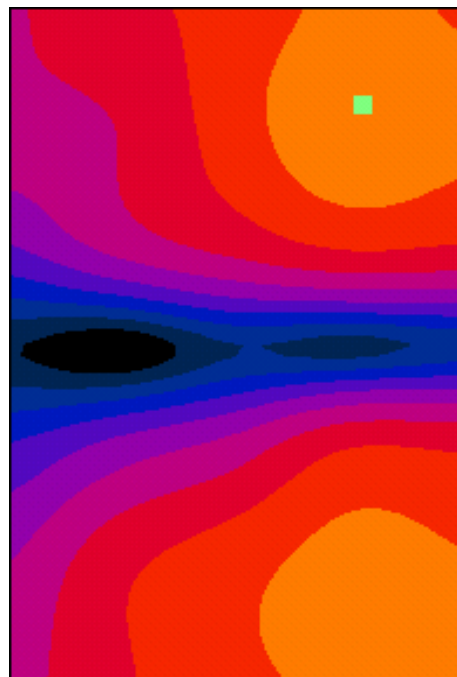
**Cursor:**

ABM1/ABM2 = 24.0 dB

BWC Factor = 0.015794 dB

Location: 1, -5, 363.7 mm

**Y (Radial) 16x24 scan:**



0 dB = 1.00A/m

**Z (AXIAL) MEASUREMENT: CDMA 1900 Channel 600**

**Equipment Setting:**

**DUT: Ceramix; Type: Cellular Phone ; Serial Number: 3139;**

**Date: 12/14/2008**

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

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1045; ; Calibrated: 9/18/2008
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Scans CH600/z (axial) rough 50 x 50/ABM Interpolated Signal(x,y,z) (51x51x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -8.35 dB A/m

BWC Factor = 0.015794 dB

Location: 5, -3, 363.7 mm

**Scans CH600/z (axial) 16 x 16/ABM Interpolated Signal(x,y,z) (41x41x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -7.05 dB A/m

BWC Factor = 0.015794 dB

Location: 2.6, -0.6, 363.7 mm

**Point meas,TCoil on CH600/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = -11.0 dB A/m

BWC Factor = 0.0152737 dB

Location: 9, -1, 363.7 mm

**Point meas,TCoil on CH600/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM2 = -42.4 dB A/m

Location: 9, -1, 363.7 mm

**Point meas,TCoil on CH600/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

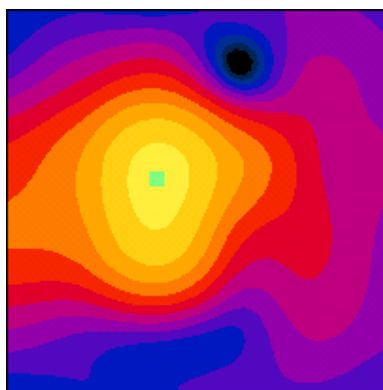
**Cursor:**

ABM1/ABM2 = 31.3 dB

BWC Factor = 0.0152737 dB

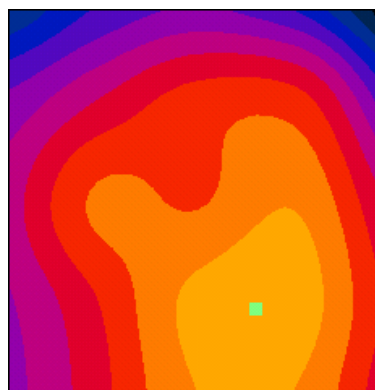
Location: 9, -1, 363.7 mm

**Z (axial) rough 50x50 scan:**



0 dB = 1.00A/m

**Z (axial) 16x16scan:**



0 dB = 1.00A/m

**X RADIAL MEASUREMENT: CDMA 1900 Channel 600**

**Equipment Setting:**

**DUT: Ceramix; Type: Cellular Phone ; Serial Number: 3139;**  
 Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
 Phantom section: AMB with Coil Section

**Date: 12/14/2008**

**DASY4 Configuration:**

- Probe: AM1DV2 - 1045; ; Calibrated: 9/18/2008
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Scans CH600/x (longitudinal) 24 x 16/ABM Interpolated Signal(x,y,z) (61x41x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -15.8 dB A/m  
 BWC Factor = 0.015794 dB  
 Location: 9.8, -2.2, 363.7 mm

**Point meas, TCoil on CH600/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = -14.8 dB A/m  
 BWC Factor = 0.0152737 dB  
 Location: -3, -9, 363.7 mm

**Point meas, TCoil on CH600/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

ABM2 = -28.6 dB A/m  
 Location: -3, -9, 363.7 mm

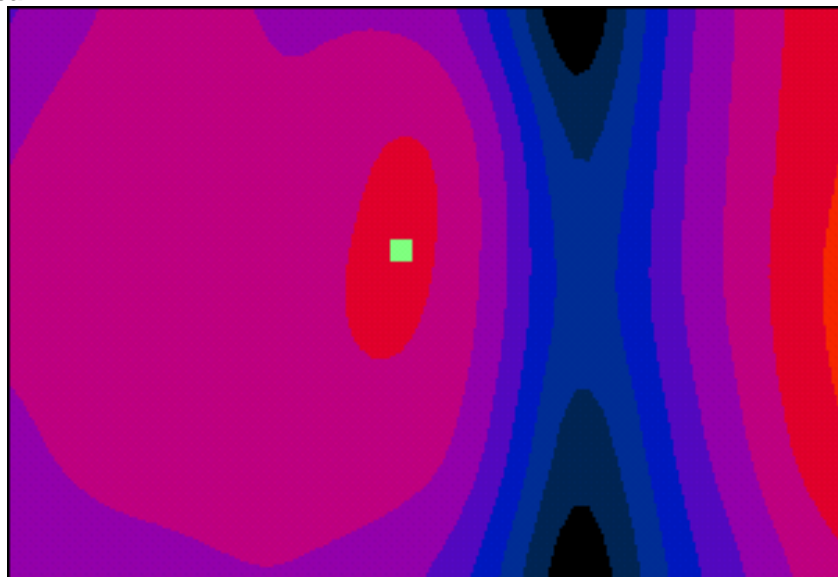
**Point meas, TCoil on CH600/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1/ABM2 = 13.8 dB  
 BWC Factor = 0.0152737 dB  
 Location: -3, -9, 363.7 mm

**X (Radial) 24x16 scan:**



0 dB = 1.00A/m

**Y RADIAL MEASUREMENT: CDMA 1900 Channel 600**

**Equipment Setting:**

**DUT: Ceramix; Type: Cellular Phone ; Serial Number: 3139;**

**Date: 12/14/2008**

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

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1045; ; Calibrated: 9/18/2008
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Scans CH600/y (transversal) 16 x 24/ABM**

**Interpolated Signal(x,y,z) (41x61x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -13.3 dB A/m

BWC Factor = 0.015794 dB

Location: 5, -10.2, 363.7 mm

**Point meas,TCoil on CH600/y (transversal) at max**

**y/ABM Signal(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = -17.1 dB A/m

BWC Factor = 0.0152737 dB

Location: 1, -5, 363.7 mm

**Point meas,TCoil on CH600/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM2 = -44.0 dB A/m

Location: 1, -5, 363.7 mm

**Point meas,TCoil on CH600/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

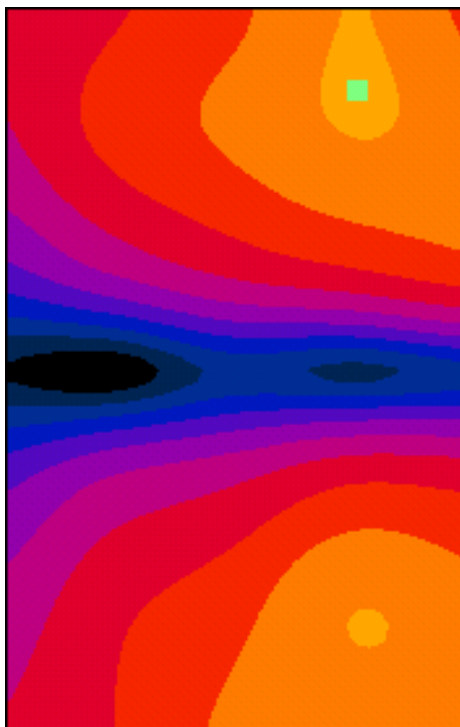
**Cursor:**

ABM1/ABM2 = 26.9 dB

BWC Factor = 0.0152737 dB

Location: 1, -5, 363.7 mm

**Y (Radial) 16x24 scan:**



0 dB = 1.00A/m

**Z (AXIAL) MEASUREMENT: CDMA 1900 Channel 1175**

**Equipment Setting:**

**DUT: Ceramix; Type: Cellular Phone ; Serial Number: 3139;**

**Date: 12/14/2008**

Communication System: CDMA; Frequency: 1910 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1045; ; Calibrated: 9/18/2008
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Scans CH1175/z (axial) rough 50 x 50/ABM Interpolated Signal(x,y,z) (51x51x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -7.00 dB A/m

BWC Factor = 0.0152737 dB

Location: 5, -4, 363.7 mm

**Scans CH1175/z (axial) 16 x 16/ABM Interpolated Signal(x,y,z) (41x41x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -5.47 dB A/m

BWC Factor = 0.0152737 dB

Location: 3.8, -3.4, 363.7 mm

**Point meas,TCoil on CH1175/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = -10.4 dB A/m

BWC Factor = 0.015187 dB

Location: 9, -1, 363.7 mm

**Point meas,TCoil on CH1175/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: 9, -1, 363.7 mm

**Point meas,TCoil on CH1175/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

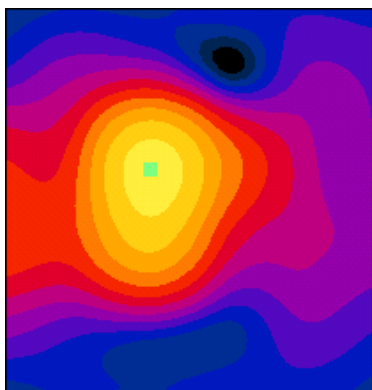
**Cursor:**

ABM1/ABM2 = 29.8 dB

BWC Factor = 0.015187 dB

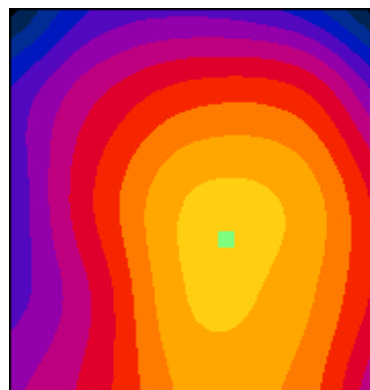
Location: 9, -1, 363.7 mm

**Z (axial) rough 50x50 scan:**



0 dB = 1.00A/m

**Z (axial) 16x16scan:**



0 dB = 1.00A/m

**X RADIAL MEASUREMENT: CDMA 1900 Channel 1175**

**Equipment Setting:**

**DUT: Ceramix; Type: Cellular Phone ; Serial Number: 3139;**

**Date: 12/14/2008**

Communication System: CDMA; Frequency: 1910 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1045; ; Calibrated: 9/18/2008
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Scans CH1175/x (longitudinal) 24 x 16/ABM Interpolated Signal(x,y,z) (61x41x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -12.9 dB A/m

BWC Factor = 0.0152737 dB

Location: -2.2, -1, 363.7 mm

**Point meas,TCoil on CH1175/x (longitudinal) at max x/ABM Signal(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = -14.4 dB A/m

BWC Factor = 0.015187 dB

Location: -3, -1, 363.7 mm

**Point meas,TCoil on CH1175/x (longitudinal) at max x/ABM Noise(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM2 = -25.0 dB A/m

Location: -3, -1, 363.7 mm

**Point meas,TCoil on CH1175/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):**

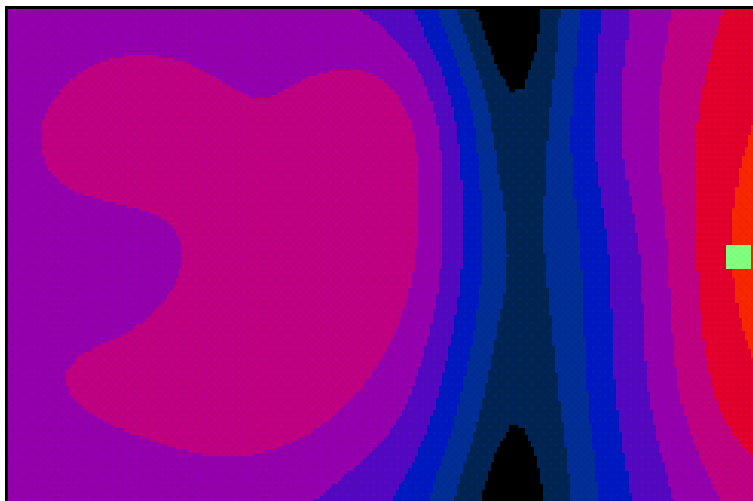
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 10.6 dB

BWC Factor = 0.015187 dB

Location: -3, -1, 363.7 mm

**X (Radial) 24x16 scan:**



0 dB = 1.00A/m



**Y RADIAL MEASUREMENT: CDMA 1900 Channel 1175**

**Equipment Setting:**

**DUT: Ceramix; Type: Cellular Phone ; Serial Number: 3139;**

**Date: 12/14/2008**

Communication System: CDMA; Frequency: 1910 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1045; ; Calibrated: 9/18/2008
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn530; Calibrated: 4/15/2008
- Phantom: HAC Test Arch with Coil; Type: SD HAC P01 BA; Serial: 100x
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Scans CH1175/y (transversal) 16 x 24/ABM Interpolated Signal(x,y,z) (41x61x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 = -13.3 dB A/m

BWC Factor = 0.0152737 dB

Location: 4.6, -9.4, 363.7 mm

**Point meas,TCoil on CH1175/y (transversal) at max y/ABM Signal(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = -17.1 dB A/m

BWC Factor = 0.015187 dB

Location: 1, -5, 363.7 mm

**Point meas,TCoil on CH1175/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM2 = -42.1 dB A/m

Location: 1, -5, 363.7 mm

**Point meas,TCoil on CH1175/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm

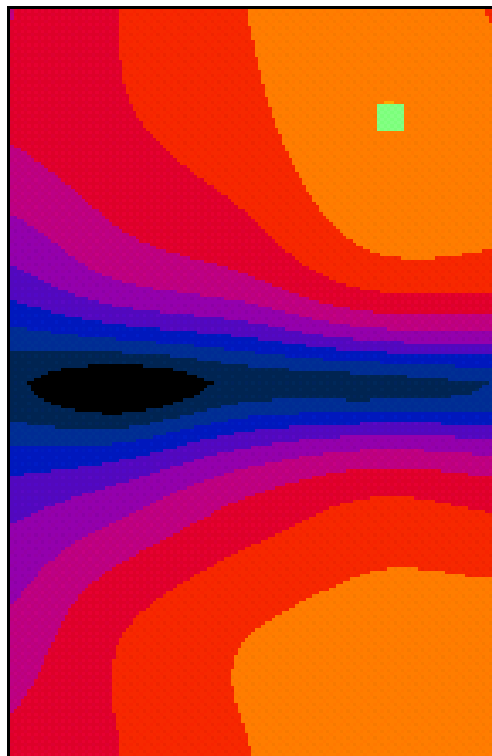
**Cursor:**

ABM1/ABM2 = 25.0 dB

BWC Factor = 0.015187 dB

Location: 1, -5, 363.7 mm

**Y (Radial) 16x24 scan:**



0 dB = 1.00A/m