

<b>Report No.:</b>	HCTA1006FT04	<b>FCC ID:</b>	Q78-A210	<b>Date of Issue:</b>	Jun. 17, 2010
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## Appendix D

### Contour Plots

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## CDMA835 (1013CH )

Test Laboratory: HCT  
 File Name: [001\\_1013ch.da4](#)

**DUT: A210; Type: folder**  
**Program Name: HAC\_TCoil\_WD\_Emission**

Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: AMB with Coil Section

**DASY4 Configuration:**

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = -40.2 dB A/m  
 Location: -6, -10.5, 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 = 49.4 dB  
 ABM1 comp = 9.14 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -6, -10.5, 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 = 9.14 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -6, -10.5, 363.7 mm

**Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -48.3 dB A/m  
 Location: 1.5, 5, 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 = 54.7 dB  
 ABM1 comp = 6.35 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 1.5, 5, 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 = 6.35 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 1.5, 5, 363.7 mm

**Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):**

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

**Cursor:**

ABM1 comp = 16.0 dB A/m  
 BWC Factor = 0.15103 dB  
 Location: -0.5, -8.5, 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 = 0.763 dB

BWC Factor = 10.8 dB

Location: 1.3, -10.2, 365 mm

**Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -37.0 dB A/m

Location: -0.5, -8.5, 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 = 52.7 dB

ABM1 comp = 15.7 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -8.5, 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 = 15.7 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -8.5, 363.7 mm

**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**

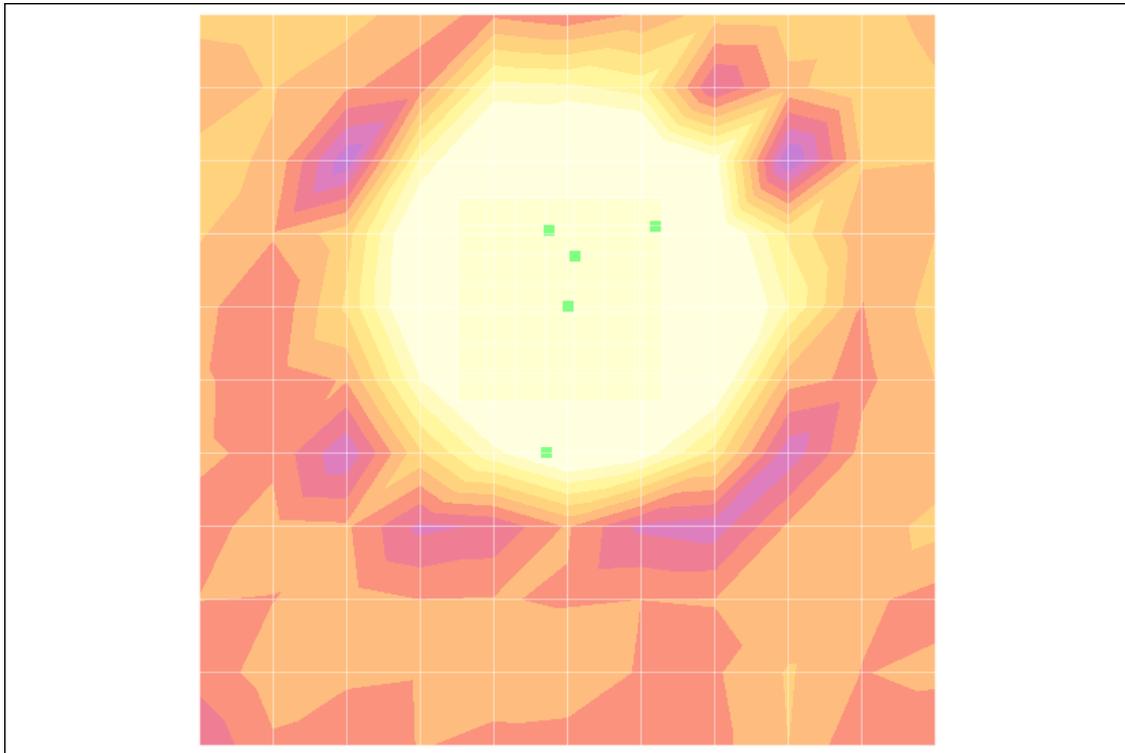
Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = 16.2 dB A/m

BWC Factor = 0.15103 dB

Location: 0, -5, 363.7 mm



0 dB = 1.00A/m

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## CDMA835 (384CH)

Test Laboratory: HCT  
 File Name: [002\\_384ch.da4](#)

**DUT: A210; Type: folder**  
**Program Name: HAC\_TCoil\_WD\_Emission**

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: AMB with Coil Section

**DASY4 Configuration:**

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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, -11.5, 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 = 8.19 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -8, -11.5, 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 = 8.19 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -8, -11.5, 363.7 mm

**Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -49.9 dB A/m  
 Location: 0.5, 0, 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 = 58.9 dB  
 ABM1 comp = 8.99 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 0.5, 0, 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 = 8.99 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 0.5, 0, 363.7 mm

**Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):**

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

**Cursor:**

ABM1 comp = 16.9 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 1.5, -5.5, 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 = 1.70 dB  
 BWC Factor = 10.8 dB  
 Location: 3.2, -7.2, 364.9 mm

**Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -23.5 dB A/m  
 Location: 1.5, -5.5, 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 = 38.0 dB  
 ABM1 comp = 14.5 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 1.5, -5.5, 363.7 mm

**Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):**

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

**Cursor:**

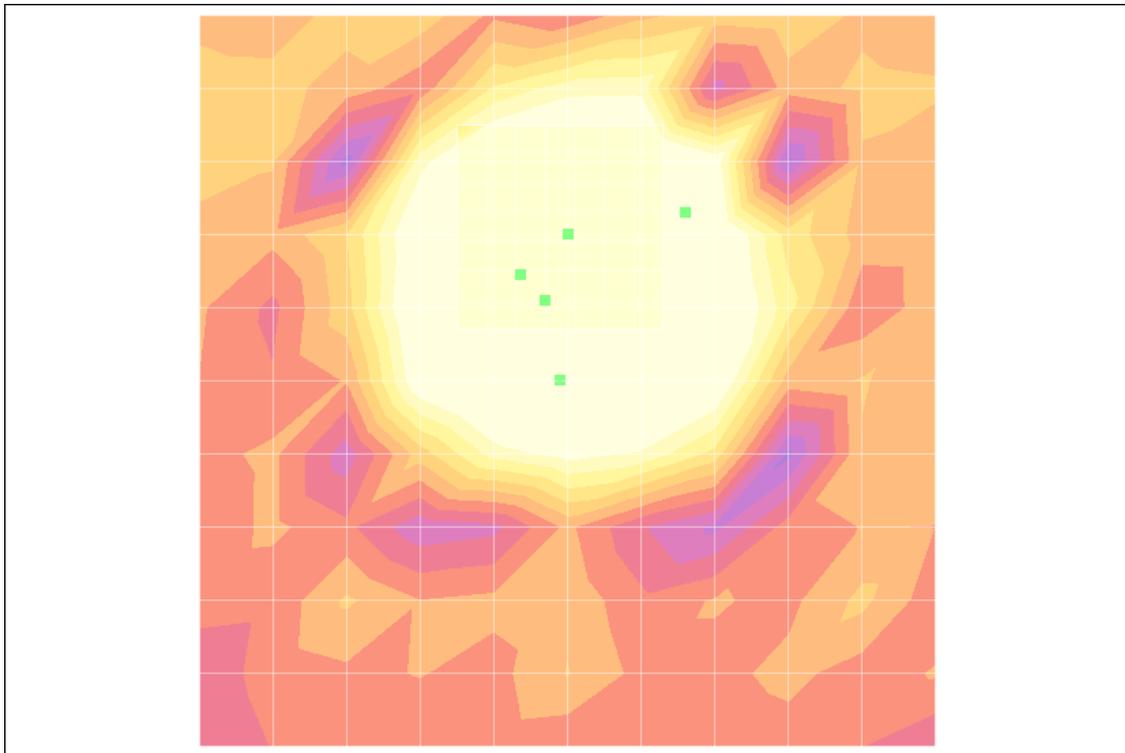
ABM1 comp = 14.5 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 1.5, -5.5, 363.7 mm

**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**

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

**Cursor:**

ABM1 comp = 14.8 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 0, -10, 363.7 mm



0 dB = 1.00A/m

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## CDMA800 (777CH)

Test Laboratory: HCT  
 File Name: [003\\_777ch.da4](#)

**DUT: A210; Type: folder**  
**Program Name: HAC\_TCoil\_WD\_Emission**

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = -46.2 dB A/m  
 Location: -10, -9.5, 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 = 54.6 dB  
 ABM1 comp = 8.39 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -10, -9.5, 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 = 8.39 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -10, -9.5, 363.7 mm

**Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -47.8 dB A/m  
 Location: 1.5, -14, 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 = 56.5 dB  
 ABM1 comp = 8.69 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 1.5, -14, 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 = 8.69 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 1.5, -14, 363.7 mm

**Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):**

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

**Cursor:**

ABM1 comp = 16.4 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -0.5, -8.5, 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 = 1.15 dB  
 BWC Factor = 10.8 dB  
 Location: 1.3, -10.2, 365 mm

**Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -39.0 dB A/m  
 Location: -0.5, -8.5, 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 = 14.6 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -0.5, -8.5, 363.7 mm

**Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):**

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

**Cursor:**

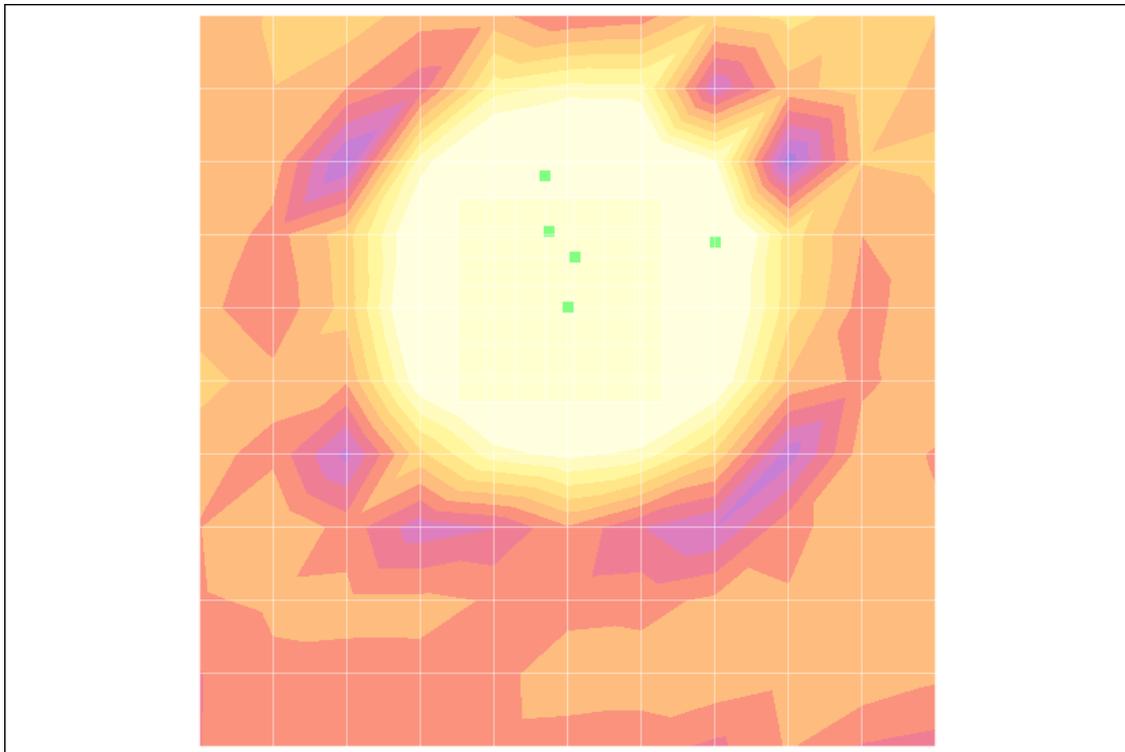
ABM1 comp = 14.6 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -0.5, -8.5, 363.7 mm

**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**

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

**Cursor:**

ABM1 comp = 14.3 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 0, -5, 363.7 mm



0 dB = 1.00A/m

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## PCS1900 (25CH )

Test Laboratory: HCT  
 File Name: [004\\_25ch.da4](#)

**DUT: A210; Type: folder**  
**Program Name: HAC\_TCoil\_WD\_Emission**

Communication System: PCS 1900MHz FCC; Frequency: 1851.25 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = -50.6 dB A/m

Location: 9, -8.5, 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 = 58.8 dB

ABM1 comp = 8.22 dB A/m

BWC Factor = 0.151969 dB

Location: 9, -8.5, 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 = 8.22 dB A/m

BWC Factor = 0.151969 dB

Location: 9, -8.5, 363.7 mm

**Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -50.8 dB A/m

Location: -2.5, -15, 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 = 59.1 dB

ABM1 comp = 8.28 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, -15, 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 = 8.28 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, -15, 363.7 mm

**Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):**

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

**Cursor:**

ABM1 comp = 16.4 dB A/m

BWC Factor = 0.15103 dB

Location: 1.5, -8.5, 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 = 1.13 dB  
 BWC Factor = 10.8 dB  
 Location: 3.2, -10.2, 365 mm

**Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -38.9 dB A/m  
 Location: 1.5, -8.5, 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 = 53.8 dB  
 ABM1 comp = 14.9 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 1.5, -8.5, 363.7 mm

**Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):**

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

**Cursor:**

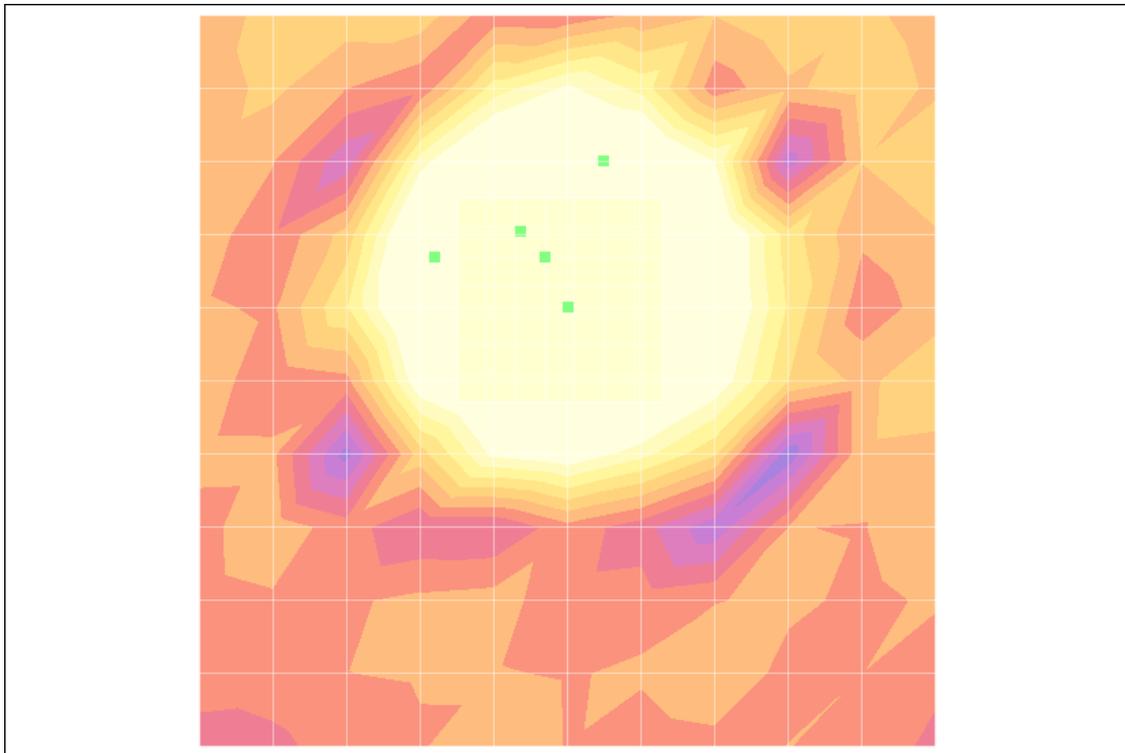
ABM1 comp = 14.9 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 1.5, -8.5, 363.7 mm

**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**

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

**Cursor:**

ABM1 comp = 14.1 dB A/m  
 BWC Factor = 0.15103 dB  
 Location: 0, -5, 363.7 mm



0 dB = 1.00A/m

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## PCS1900 (600CH)

Test Laboratory: HCT  
File Name: [005\\_600ch.da4](#)

DUT: A210; Type: folder  
Program Name: HAC\_TCoil\_WD\_Emission

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = -50.2 dB A/m

Location: -8, -4.5, 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 = 60.3 dB

ABM1 comp = 10.1 dB A/m

BWC Factor = 0.151969 dB

Location: -8, -4.5, 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 = 10.1 dB A/m

BWC Factor = 0.151969 dB

Location: -8, -4.5, 363.7 mm

**Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -49.2 dB A/m

Location: 0.5, -17, 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 = 57.0 dB

ABM1 comp = 7.82 dB A/m

BWC Factor = 0.151969 dB

Location: 0.5, -17, 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 = 7.82 dB A/m

BWC Factor = 0.151969 dB

Location: 0.5, -17, 363.7 mm

**Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):**

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

**Cursor:**

ABM1 comp = 16.1 dB A/m

BWC Factor = 0.15103 dB

Location: -2.5, -6.5, 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 = 0.722 dB

BWC Factor = 10.8 dB

Location: -0.7, -8.2, 365 mm

**Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -43.0 dB A/m

Location: -2.5, -6.5, 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 = 58.2 dB

ABM1 comp = 15.2 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, -6.5, 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 = 15.2 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, -6.5, 363.7 mm

**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**

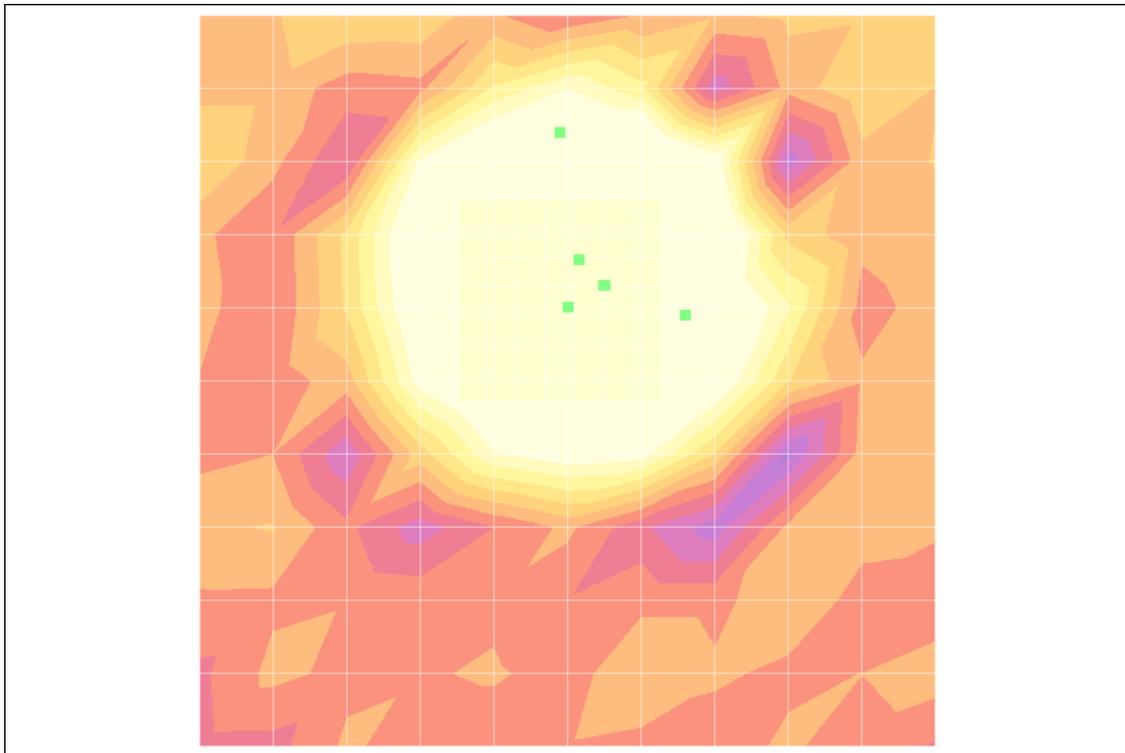
Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = 15.6 dB A/m

BWC Factor = 0.15103 dB

Location: 0, -5, 363.7 mm



0 dB = 1.00A/m

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## PCS1900 (1175CH )

Test Laboratory: HCT  
File Name: [006\\_1175ch.da4](#)

DUT: A210; Type: folder  
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,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn869; Calibrated: 2009-09-18
- 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 = -48.8 dB A/m

Location: -8, -7.5, 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 = 58.8 dB

ABM1 comp = 10.1 dB A/m

BWC Factor = 0.151969 dB

Location: -8, -7.5, 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 = 10.1 dB A/m

BWC Factor = 0.151969 dB

Location: -8, -7.5, 363.7 mm

**Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -48.5 dB A/m

Location: -0.5, -19, 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 = 55.6 dB

ABM1 comp = 7.07 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -19, 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 = 7.07 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -19, 363.7 mm

**Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):**

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

**Cursor:**

ABM1 comp = 16.0 dB A/m

BWC Factor = 0.152993 dB

Location: -2.5, -7.5, 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 = 0.964 dB

BWC Factor = 10.8 dB

Location: -0.8, -9.2, 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: -2.5, -7.5, 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 = 44.8 dB

ABM1 comp = 14.9 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, -7.5, 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 = 14.9 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, -7.5, 363.7 mm

**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**

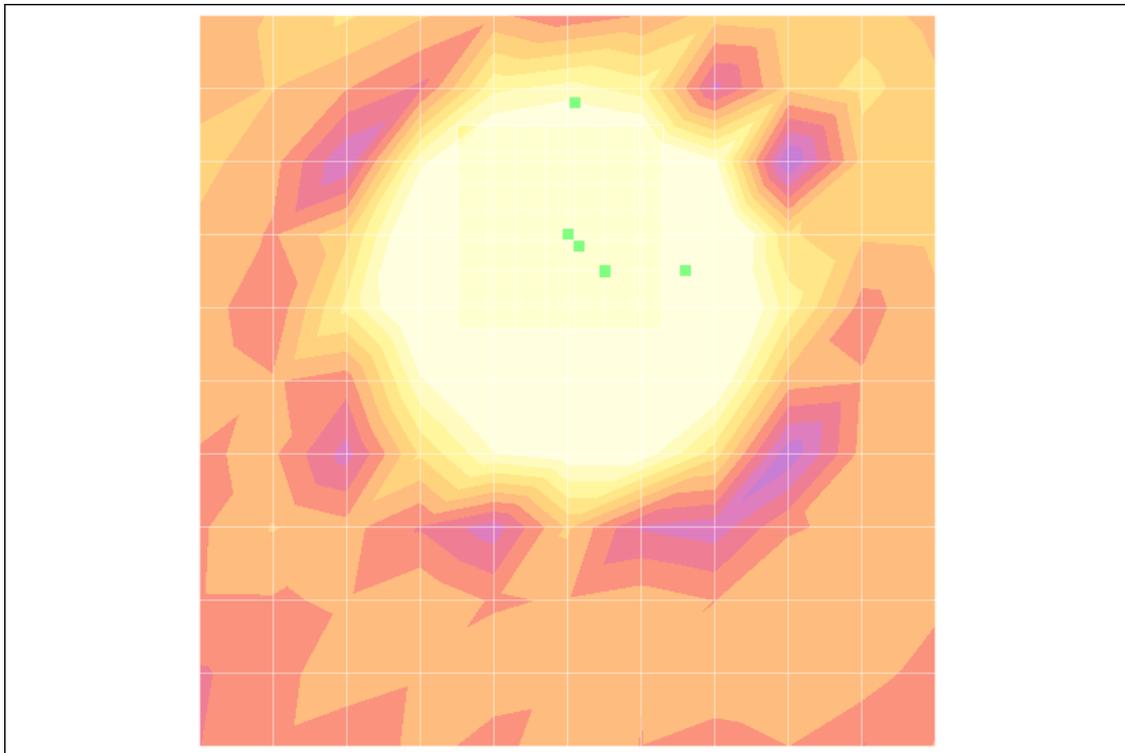
Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = 16.5 dB A/m

BWC Factor = 0.152993 dB

Location: 0, -10, 363.7 mm



0 dB = 1.00A/m

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## AWS1700 (25CH)

Test Laboratory: HCT  
 File Name: [007\\_25ch.da4](#)

**DUT: A210; Type: folder**  
**Program Name: HAC\_TCoil\_WD\_Emission**

Communication System: AWS 1700 MHz FCC; Frequency: 1711.25 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: AMB with Coil Section

DASY4 Configuration:  
 - Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18  
 - Sensor-Surface: 0mm (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - 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 = -48.3 dB A/m  
 Location: -6, -5.5, 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 = 57.4 dB  
 ABM1 comp = 9.13 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -6, -5.5, 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 = 9.13 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -6, -5.5, 363.7 mm

**Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -51.1 dB A/m  
 Location: -2.5, 0, 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 = 59.2 dB  
 ABM1 comp = 8.10 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -2.5, 0, 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 = 8.10 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -2.5, 0, 363.7 mm

**Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):**

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

**Cursor:**

ABM1 comp = 15.9 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -0.5, -9.5, 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 = 0.740 dB

BWC Factor = 10.8 dB

Location: 1.2, -11.2, 365 mm

**Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -42.1 dB A/m

Location: -0.5, -9.5, 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 = 56.5 dB

ABM1 comp = 14.4 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -9.5, 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 = 14.4 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -9.5, 363.7 mm

**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**

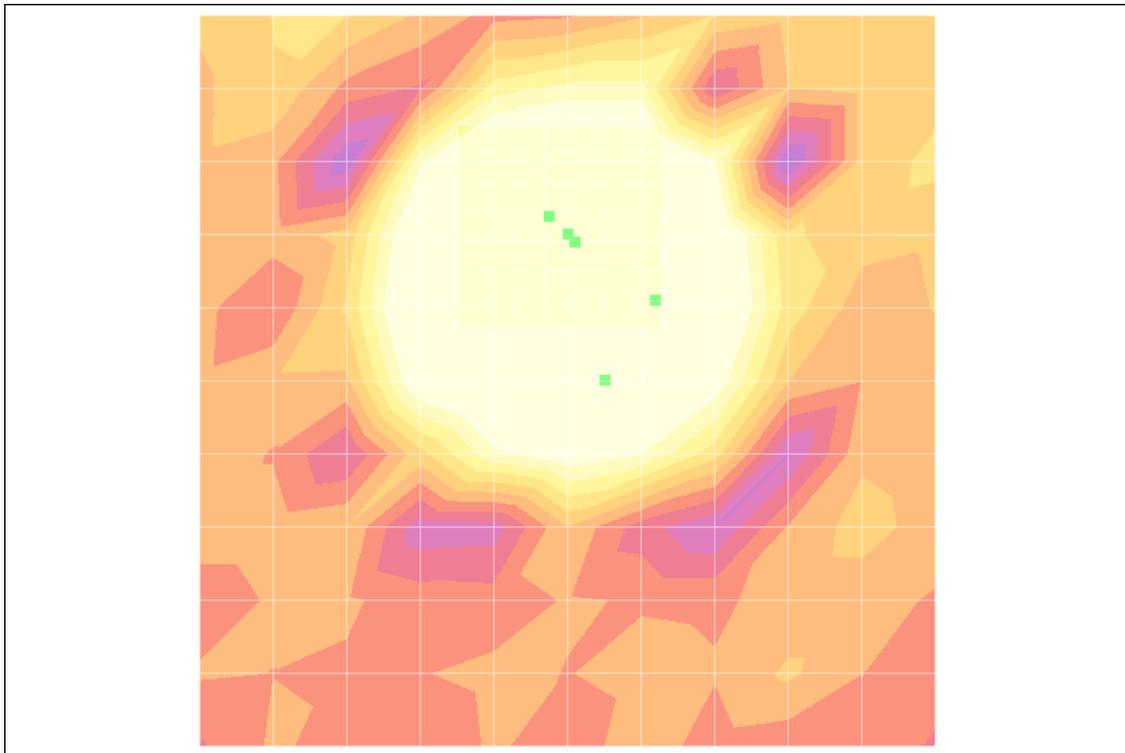
Measurement grid: dx=10mm, dy=10mm

**Cursor:**

ABM1 comp = 16.3 dB A/m

BWC Factor = 0.151969 dB

Location: 0, -10, 363.7 mm



0 dB = 1.00A/m

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## AWS1700 (450CH)

Test Laboratory: HCT  
 File Name: [008\\_450ch.da4](#)

**DUT: A210; Type: folder**  
**Program Name: HAC\_TCoil\_WD\_Emission**

Communication System: AWS 1700 MHz FCC; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: AMB with Coil Section

DASY4 Configuration:  
 - Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18  
 - Sensor-Surface: 0mm (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - 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 = -46.4 dB A/m  
 Location: -10, -8.5, 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 = 55.0 dB  
 ABM1 comp = 8.54 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -10, -8.5, 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 = 8.54 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -10, -8.5, 363.7 mm

**Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -48.2 dB A/m  
 Location: 0.5, -15, 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 = 56.6 dB  
 ABM1 comp = 8.41 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 0.5, -15, 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 = 8.41 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 0.5, -15, 363.7 mm

**Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):**

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

**Cursor:**

ABM1 comp = 16.0 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -2.5, -7.5, 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 = 1.27 dB  
 BWC Factor = 10.8 dB  
 Location: -0.8, -9.2, 365 mm

**Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -44.3 dB A/m  
 Location: -2.5, -7.5, 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 = 60.0 dB  
 ABM1 comp = 15.7 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -2.5, -7.5, 363.7 mm

**Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):**

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

**Cursor:**

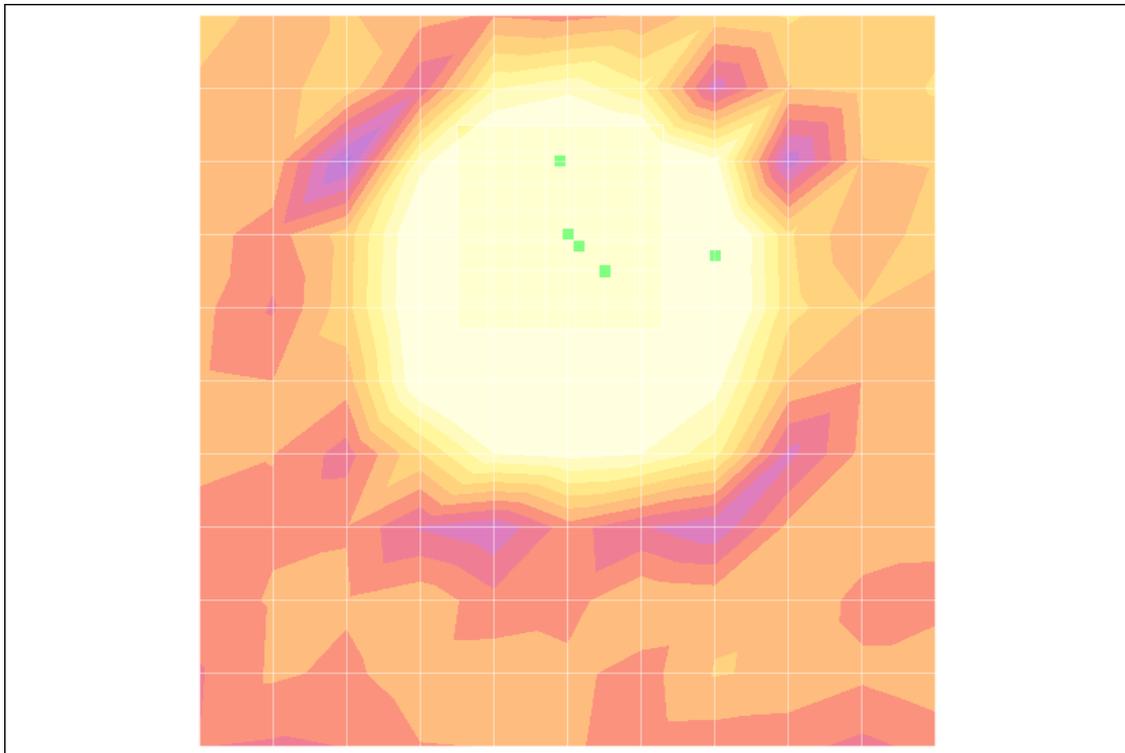
ABM1 comp = 15.7 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -2.5, -7.5, 363.7 mm

**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**

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

**Cursor:**

ABM1 comp = 15.8 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: 0, -10, 363.7 mm



0 dB = 1.00A/m

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## AWS1700 (875CH )

Test Laboratory: HCT  
 File Name: [009\\_875ch.da4](#)

**DUT: A210; Type: folder**  
**Program Name: HAC\_TCoil\_WD\_Emission**

Communication System: AWS 1700 MHz FCC; Frequency: 1753.75 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
 Phantom section: AMB with Coil Section

DASY4 Configuration:  
 - Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18  
 - Sensor-Surface: 0mm (Fix Surface)  
 - Electronics: DAE4 Sn869; Calibrated: 2009-09-18  
 - 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 = -45.9 dB A/m  
 Location: -10, -9.5, 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 = 54.4 dB  
 ABM1 comp = 8.49 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -10, -9.5, 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 = 8.49 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -10, -9.5, 363.7 mm

**Point measurement/y (transversal) at max y/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -49.3 dB A/m  
 Location: -5.5, -17, 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 = 56.8 dB  
 ABM1 comp = 7.54 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -5.5, -17, 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 = 7.54 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -5.5, -17, 363.7 mm

**Scans/z (axial) 15 x 15/ABM Signal(x,y,z) (8x8x1):**

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

**Cursor:**

ABM1 comp = 15.3 dB A/m  
 BWC Factor = 0.15103 dB  
 Location: -2.5, -7.5, 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 = 1.69 dB  
 BWC Factor = 10.8 dB  
 Location: -0.8, -9.2, 365 mm

**Point measurement/z (axial) at max z/ABM Noise(x,y,z) (1x1x1):**

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

**Cursor:**

ABM2 = -42.8 dB A/m  
 Location: -2.5, -7.5, 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 = 58.5 dB  
 ABM1 comp = 15.7 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -2.5, -7.5, 363.7 mm

**Point measurement/z (axial) at max z/ABM Signal(x,y,z) (1x1x1):**

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

**Cursor:**

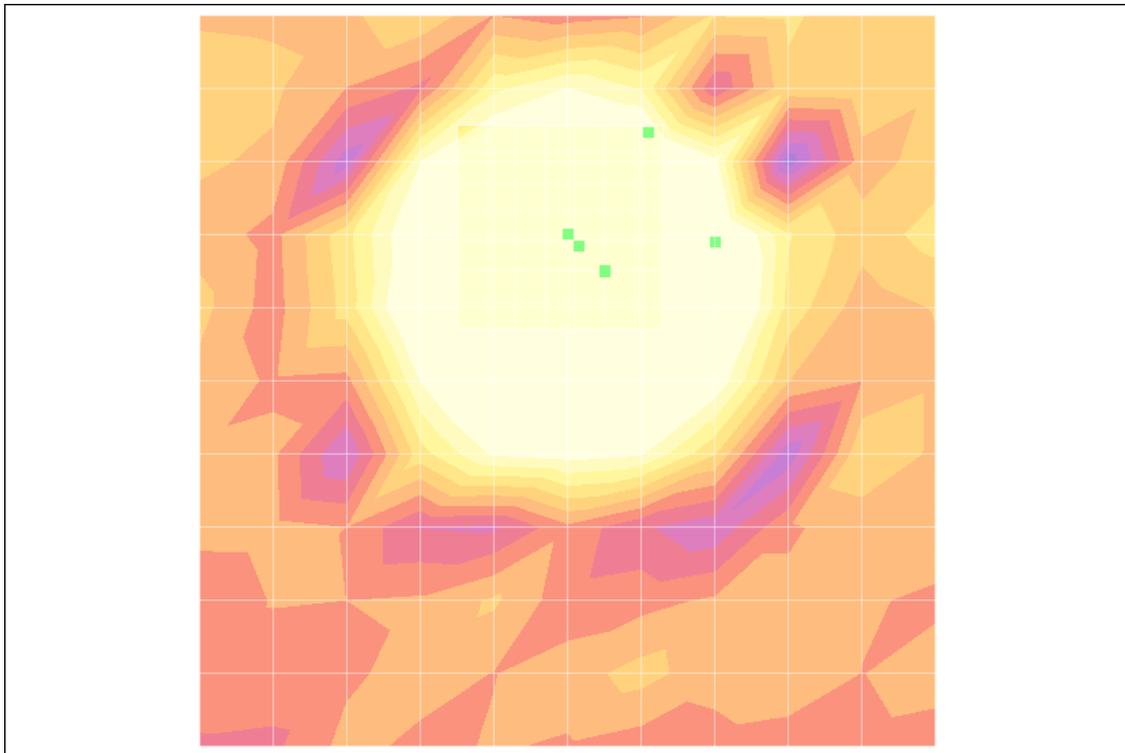
ABM1 comp = 15.7 dB A/m  
 BWC Factor = 0.151969 dB  
 Location: -2.5, -7.5, 363.7 mm

**Scans/z (axial) rough 50 x 50/ABM Signal(x,y,z) (11x11x1):**

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

**Cursor:**

ABM1 comp = 14.9 dB A/m  
 BWC Factor = 0.15103 dB  
 Location: 0, -10, 363.7 mm



0 dB = 1.00A/m