

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009

Appendix D

Contour Plots

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009

CDMA835 (1013CH) Keypad Side

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

DUT: TXT8030; **Type:** Keypad Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -40.8 dB A/m

Location: -10, -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 = 44.0 dB

ABM1 comp = 3.27 dB A/m

BWC Factor = 0.152993 dB

Location: -10, -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 = 3.27 dB A/m

BWC Factor = 0.152993 dB

Location: -10, -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 = -42.6 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 = 45.2 dB

ABM1 comp = 2.59 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 = 2.59 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 = 11.1 dB A/m

BWC Factor = 0.151969 dB

Location: 1.5, 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 = 0.969 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 = -33.2 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 = 43.5 dB

ABM1 comp = 10.3 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 = 10.3 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):

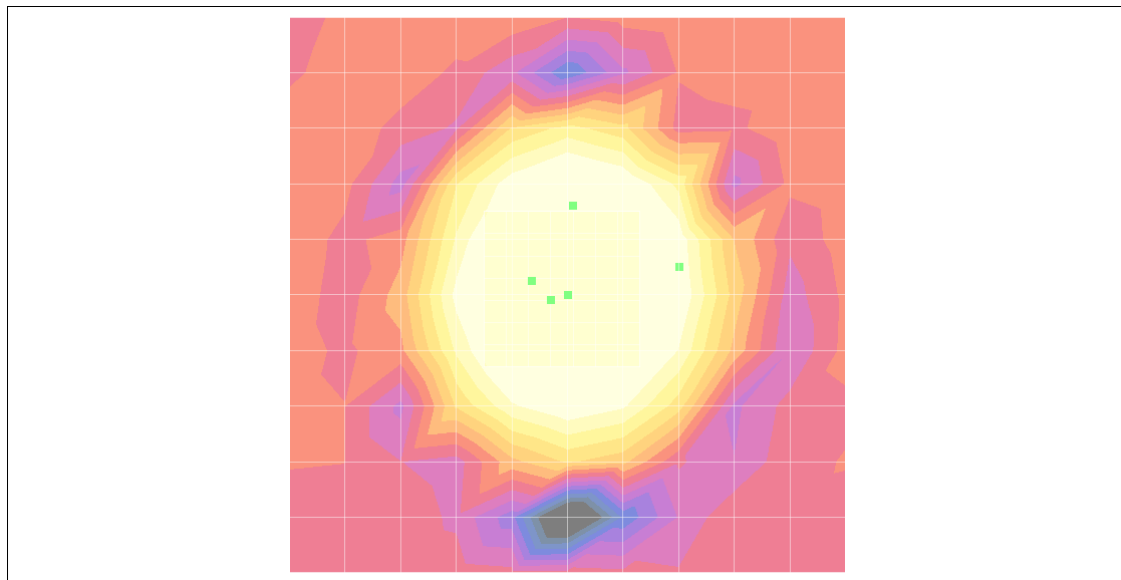
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 10.3 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) Keypad

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

DUT: TXT8030; Type: Keypad Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -38.7 dB A/m

Location: -8, -1.5, 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 = 42.2 dB

ABM1 comp = 3.56 dB A/m

BWC Factor = 0.152993 dB

Location: -8, -1.5, 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 = 3.56 dB A/m

BWC Factor = 0.152993 dB

Location: -8, -1.5, 363.7 mm

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

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

Cursor:

ABM2 = -35.6 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 = 38.5 dB

ABM1 comp = 2.86 dB A/m

BWC Factor = 0.152993 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 = 2.86 dB A/m

BWC Factor = 0.152993 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 = 11.3 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -3.5, 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 = 1.29 dB

BWC Factor = 10.8 dB

Location: 1.2, -5.2, 365 mm

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

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

Cursor:

ABM2 = -30.3 dB A/m

Location: -0.5, -3.5, 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 = 39.9 dB

ABM1 comp = 9.54 dB A/m

BWC Factor = 0.152993 dB

Location: -0.5, -3.5, 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 = 9.54 dB A/m

BWC Factor = 0.152993 dB

Location: -0.5, -3.5, 363.7 mm

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

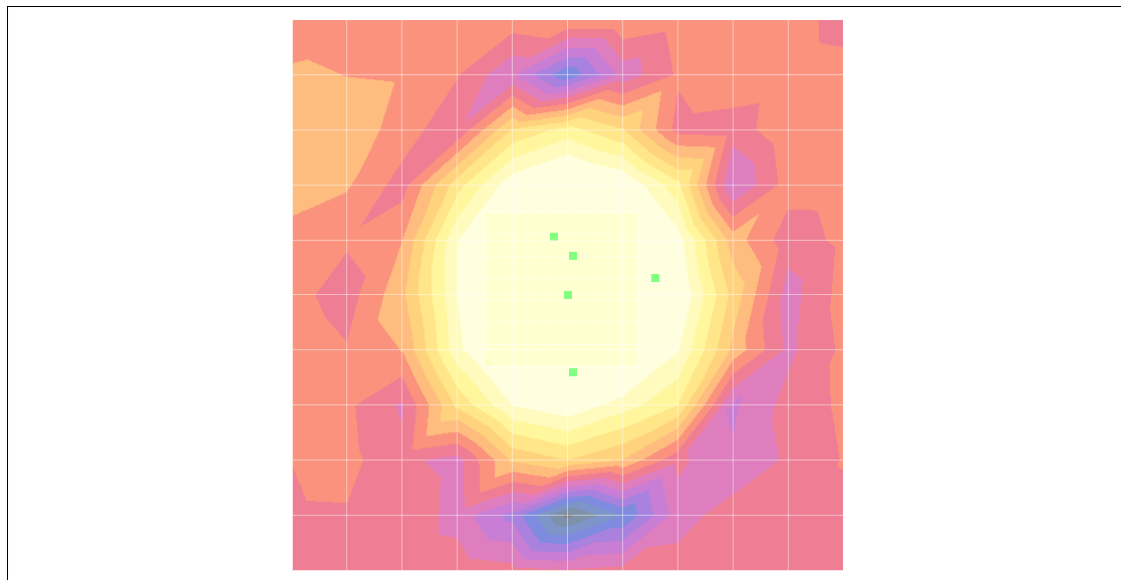
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 10.5 dB A/m

BWC Factor = 0.151969 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m

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CDMA835 (777CH) Keypad

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

DUT: TXT8030; Type: Keypad Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -40.3 dB A/m

Location: -10, 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 = 44.0 dB

ABM1 comp = 3.67 dB A/m

BWC Factor = 0.151969 dB

Location: -10, 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 = 3.67 dB A/m

BWC Factor = 0.151969 dB

Location: -10, 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 = -42.3 dB A/m

Location: -2.5, 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 = 45.1 dB

ABM1 comp = 2.80 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 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 = 2.80 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 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 = 10.9 dB A/m

BWC Factor = 0.15103 dB

Location: 1.5, -1.5, 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 = 1.02 dB

BWC Factor = 10.8 dB

Location: 3.2, -3.2, 364.9 mm

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

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

Cursor:

ABM2 = -33.8 dB A/m

Location: 1.5, -1.5, 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 = 45.0 dB

ABM1 comp = 11.1 dB A/m

BWC Factor = 0.151969 dB

Location: 1.5, -1.5, 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 = 11.1 dB A/m

BWC Factor = 0.151969 dB

Location: 1.5, -1.5, 363.7 mm

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

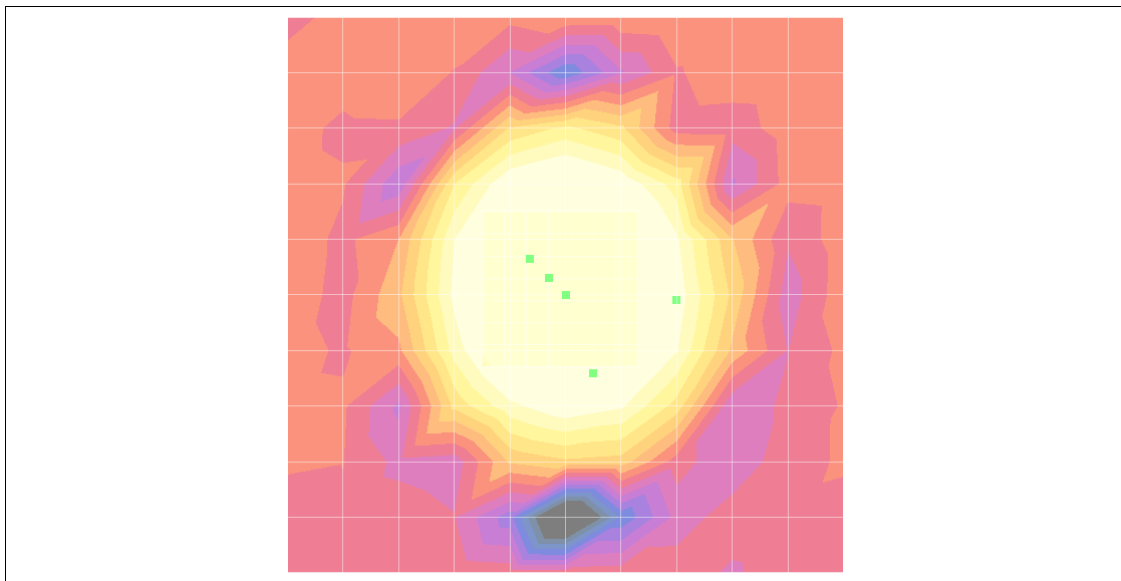
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 10.5 dB A/m

BWC Factor = 0.15103 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m

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PCS1900 (25CH) Keypad

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

DUT: TXT8030; Type: Keypad Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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: -10, 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 = 43.2 dB

ABM1 comp = 2.93 dB A/m

BWC Factor = 0.151969 dB

Location: -10, 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 = 2.93 dB A/m

BWC Factor = 0.151969 dB

Location: -10, 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 = -33.2 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 = 35.7 dB

ABM1 comp = 2.47 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 = 2.47 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 = 11.6 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 = 0.983 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 = -32.1 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 = 42.7 dB

ABM1 comp = 10.6 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 = 10.6 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):

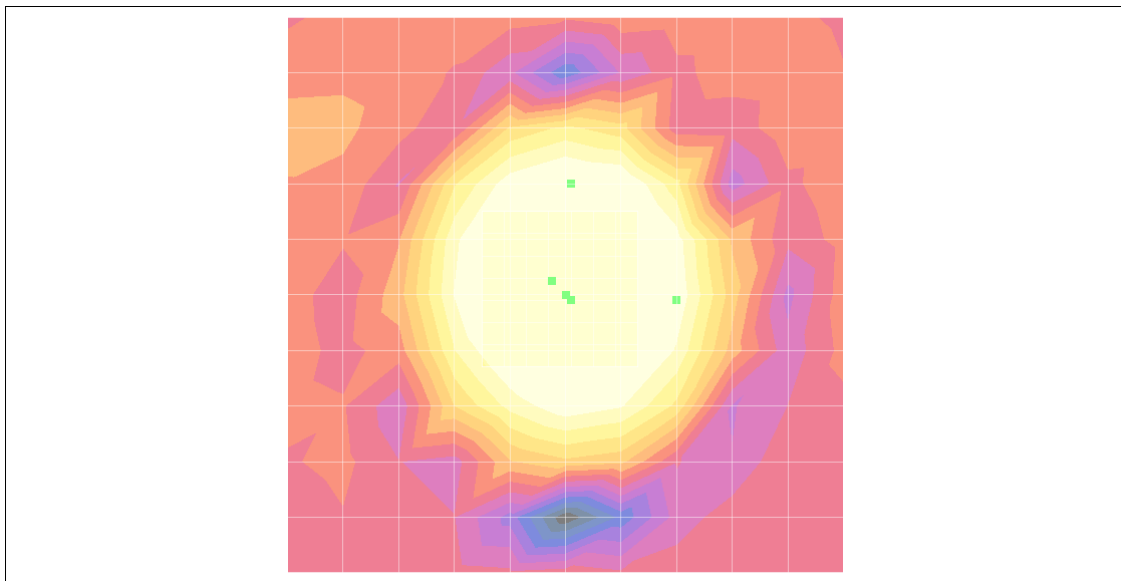
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 10.6 dB A/m

BWC Factor = 0.151969 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m

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PCS1900 (600CH) Keypad

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

DUT: TXT8030; Type: Keypad Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -39.3 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 = 43.0 dB

ABM1 comp = 3.67 dB A/m

BWC Factor = 0.152993 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 = 3.67 dB A/m

BWC Factor = 0.152993 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 = -37.5 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 = 40.0 dB

ABM1 comp = 2.56 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 = 2.56 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 = 11.0 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, -1.5, 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 = 1.24 dB

BWC Factor = 10.8 dB

Location: -0.8, -3.2, 365 mm

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

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

Cursor:

ABM2 = -31.8 dB A/m

Location: -2.5, -1.5, 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 = 42.3 dB

ABM1 comp = 10.5 dB A/m

BWC Factor = 0.152993 dB

Location: -2.5, -1.5, 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 = 10.5 dB A/m

BWC Factor = 0.152993 dB

Location: -2.5, -1.5, 363.7 mm

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

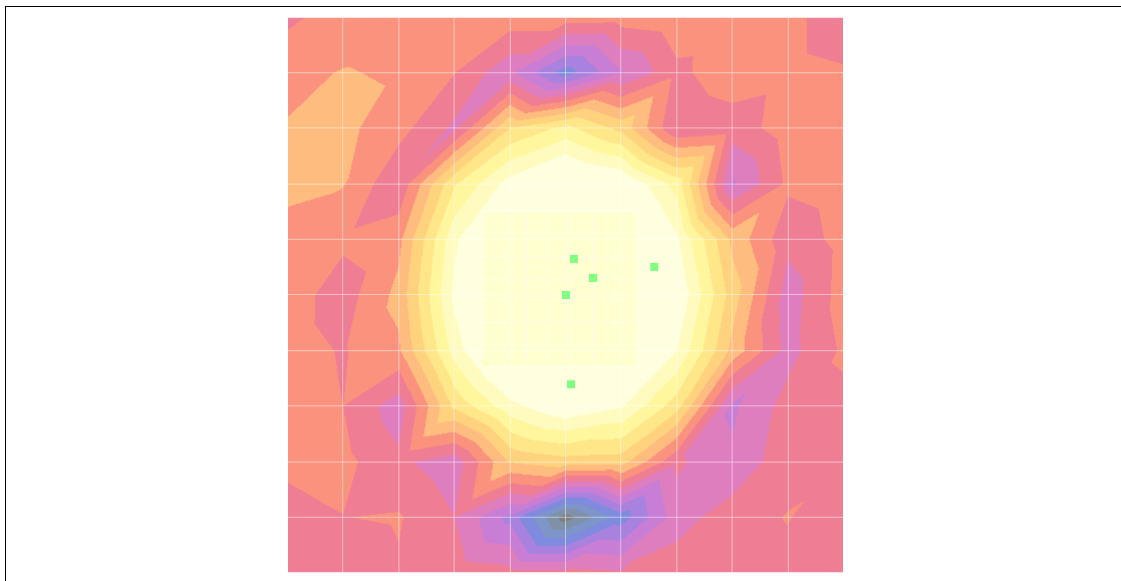
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 9.96 dB A/m

BWC Factor = 0.151969 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m

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PCS1900 (1175CH) Keypad

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

DUT: TXT8030; Type: Keypad Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -39.8 dB A/m

Location: -8, -1.5, 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 = 43.3 dB

ABM1 comp = 3.51 dB A/m

BWC Factor = 0.151969 dB

Location: -8, -1.5, 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 = 3.51 dB A/m

BWC Factor = 0.151969 dB

Location: -8, -1.5, 363.7 mm

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

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

Cursor:

ABM2 = -38.4 dB A/m

Location: -2.5, 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 = 40.8 dB

ABM1 comp = 2.38 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 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 = 2.38 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 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 = 11.1 dB A/m

BWC Factor = 0.151969 dB

Location: 1.5, -1.5, 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 = 0.985 dB

BWC Factor = 10.8 dB

Location: 3.2, -3.2, 364.9 mm

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

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

Cursor:

ABM2 = -30.7 dB A/m

Location: 1.5, -1.5, 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 = 41.6 dB

ABM1 comp = 11.0 dB A/m

BWC Factor = 0.151969 dB

Location: 1.5, -1.5, 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 = 11.0 dB A/m

BWC Factor = 0.151969 dB

Location: 1.5, -1.5, 363.7 mm

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

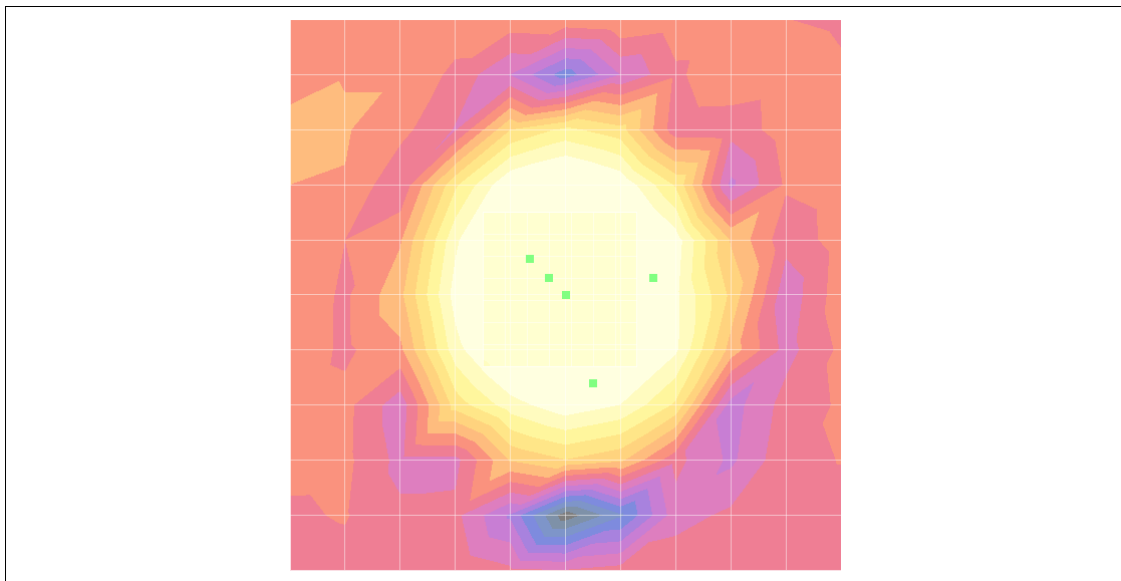
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 11.1 dB A/m

BWC Factor = 0.151969 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009

CDMA835 (1013CH) Speaker

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

DUT: TXT8030; Type: Speaker Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -38.7 dB A/m

Location: -10, -1.5, 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 = 41.7 dB

ABM1 comp = 2.95 dB A/m

BWC Factor = 0.151969 dB

Location: -10, -1.5, 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 = 2.95 dB A/m

BWC Factor = 0.151969 dB

Location: -10, -1.5, 363.7 mm

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

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

Cursor:

ABM2 = -30.2 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 = 32.4 dB

ABM1 comp = 2.27 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 = 2.27 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 = 10.5 dB A/m

BWC Factor = 0.152993 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 = 1.04 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 = -30.4 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 = 40.4 dB

ABM1 comp = 10.0 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 = 10.0 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):

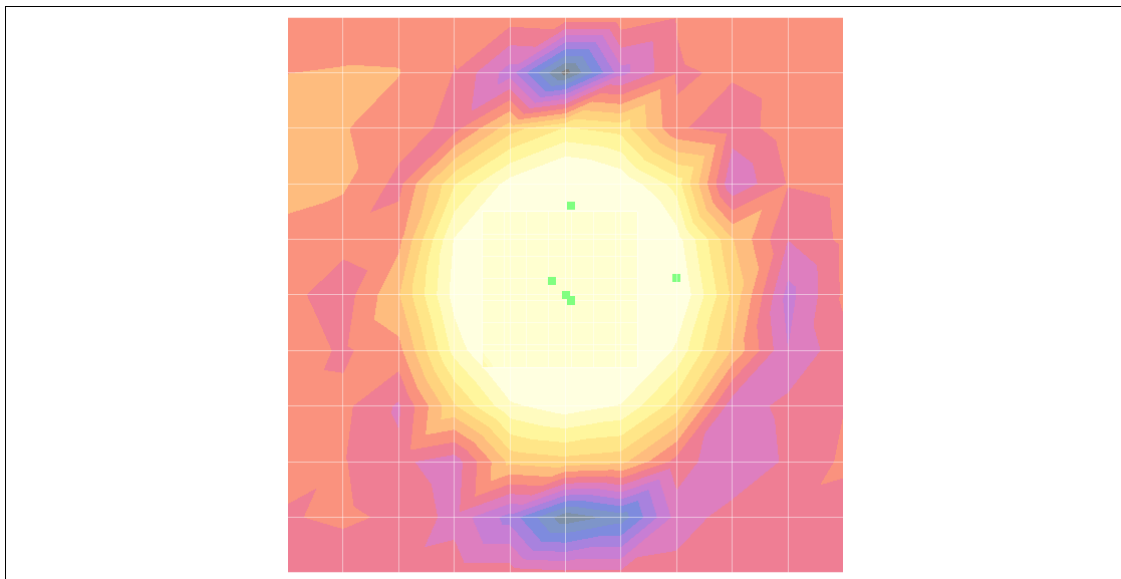
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 10.8 dB A/m

BWC Factor = 0.152993 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009

CDMA835 (384CH) Speaker

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

DUT: TXT8030; Type: Speaker Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -37.5 dB A/m

Location: -8, -1.5, 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 = 41.1 dB

ABM1 comp = 3.63 dB A/m

BWC Factor = 0.151969 dB

Location: -8, -1.5, 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 = 3.63 dB A/m

BWC Factor = 0.151969 dB

Location: -8, -1.5, 363.7 mm

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

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

Cursor:

ABM2 = -31.4 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 = 33.9 dB

ABM1 comp = 2.53 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 = 2.53 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 = 10.9 dB A/m

BWC Factor = 0.152993 dB

Location: -0.5, -1.5, 363.7 mm

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009
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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: 1.2, -3.2, 365 mm

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

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

Cursor:

ABM2 = -30.0 dB A/m

Location: -0.5, -1.5, 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 = 41.0 dB

ABM1 comp = 11.0 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -1.5, 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 = 11.0 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -1.5, 363.7 mm

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

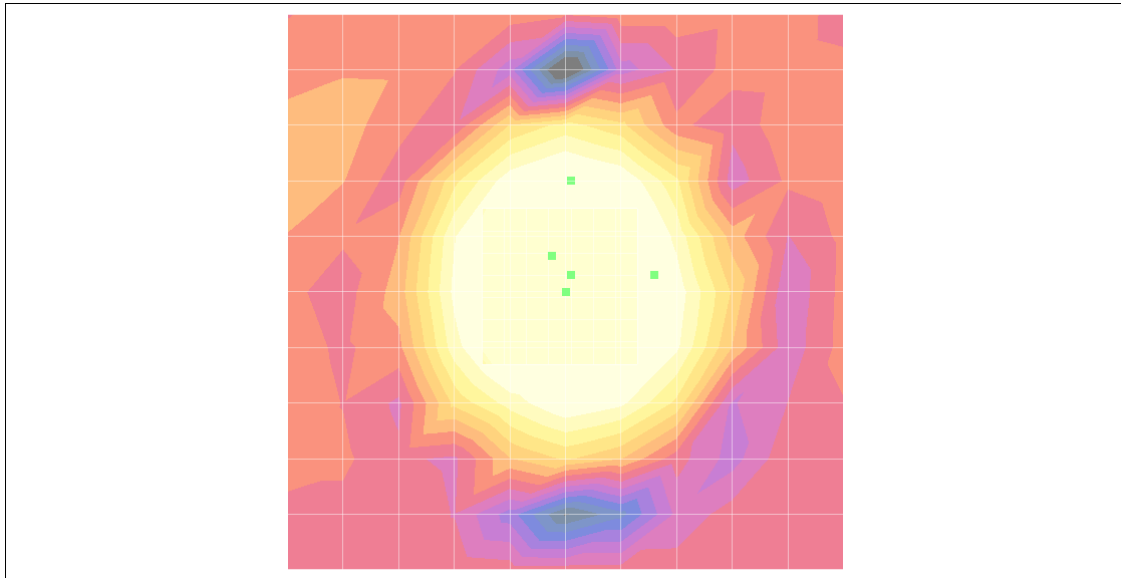
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 10.9 dB A/m

BWC Factor = 0.152993 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009

CDMA835 (777CH) Speaker

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

DUT: TXT8030; Type: Speaker Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -39.5 dB A/m

Location: -8, -1.5, 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 = 43.1 dB

ABM1 comp = 3.58 dB A/m

BWC Factor = 0.152993 dB

Location: -8, -1.5, 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 = 3.58 dB A/m

BWC Factor = 0.152993 dB

Location: -8, -1.5, 363.7 mm

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

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

Cursor:

ABM2 = -28.4 dB A/m

Location: 1.5, -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 = 30.7 dB

ABM1 comp = 2.32 dB A/m

BWC Factor = 0.152993 dB

Location: 1.5, -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 = 2.32 dB A/m

BWC Factor = 0.152993 dB

Location: 1.5, -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 = 11.4 dB A/m

BWC Factor = 0.151969 dB

Location: -0.5, -1.5, 363.7 mm

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009
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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 = 1.21 dB

BWC Factor = 10.8 dB

Location: 1.2, -3.2, 365 mm

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

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

Cursor:

ABM2 = -30.6 dB A/m

Location: -0.5, -1.5, 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 = 41.3 dB

ABM1 comp = 10.7 dB A/m

BWC Factor = 0.152993 dB

Location: -0.5, -1.5, 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 = 10.7 dB A/m

BWC Factor = 0.152993 dB

Location: -0.5, -1.5, 363.7 mm

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

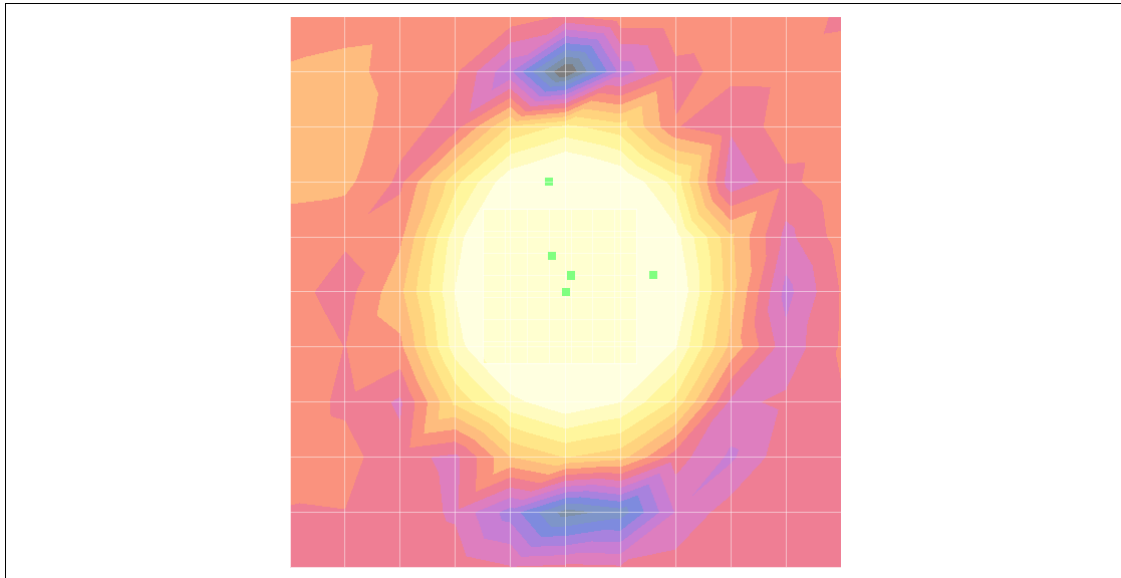
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 10.5 dB A/m

BWC Factor = 0.151969 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m

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PCS1900 (25CH) Speaker

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

DUT: TXT8030; Type: Speaker Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -37.4 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 = 41.4 dB

ABM1 comp = 4.05 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 = 4.05 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 = -37.4 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 = 40.4 dB

ABM1 comp = 3.00 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 = 3.00 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 = 11.1 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 0.5, 363.7 mm

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009
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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 = 0.777 dB

BWC Factor = 10.8 dB

Location: -0.8, -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 = -31.2 dB A/m

Location: -2.5, 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 = 41.8 dB

ABM1 comp = 10.6 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 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 = 10.6 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 0.5, 363.7 mm

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

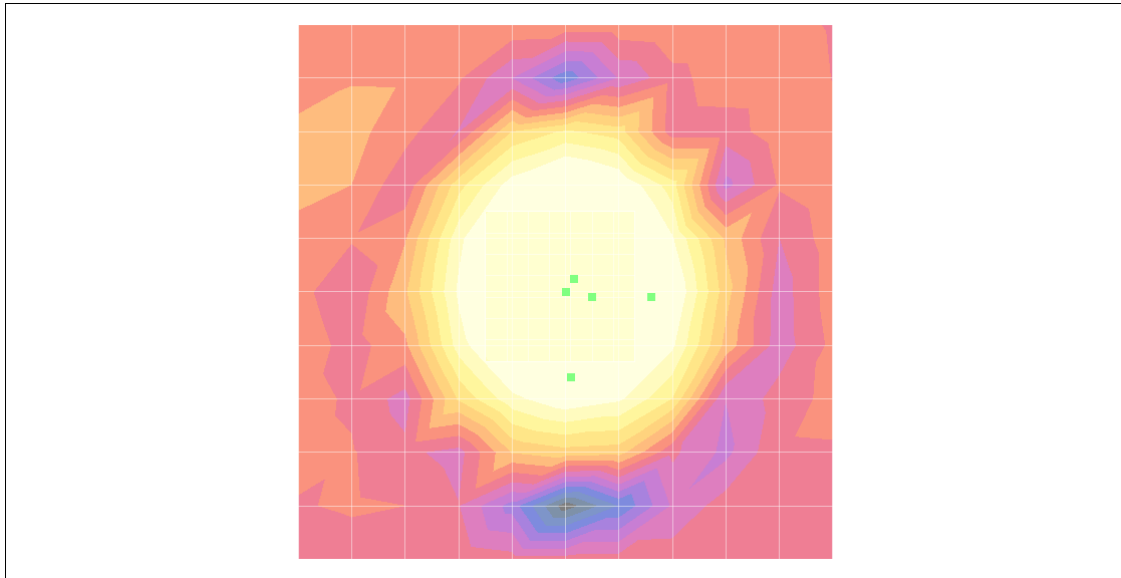
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 10.8 dB A/m

BWC Factor = 0.151969 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009

PCS1900 (600CH) Speaker

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

DUT: TXT8030; Type: Speaker Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -40.4 dB A/m
Location: -8, -3.5, 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 = 44.2 dB
ABM1 comp = 3.76 dB A/m
BWC Factor = 0.151969 dB
Location: -8, -3.5, 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 = 3.76 dB A/m
BWC Factor = 0.151969 dB
Location: -8, -3.5, 363.7 mm

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

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

Cursor:

ABM2 = -31.7 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 = 34.6 dB
ABM1 comp = 2.85 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 = 2.85 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 = 11.4 dB A/m
BWC Factor = 0.151969 dB
Location: -0.5, -2.5, 363.7 mm

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009
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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 = 0.785 dB

BWC Factor = 10.8 dB

Location: 1.2, -4.2, 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: -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 = 42.3 dB

ABM1 comp = 11.0 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 = 11.0 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):

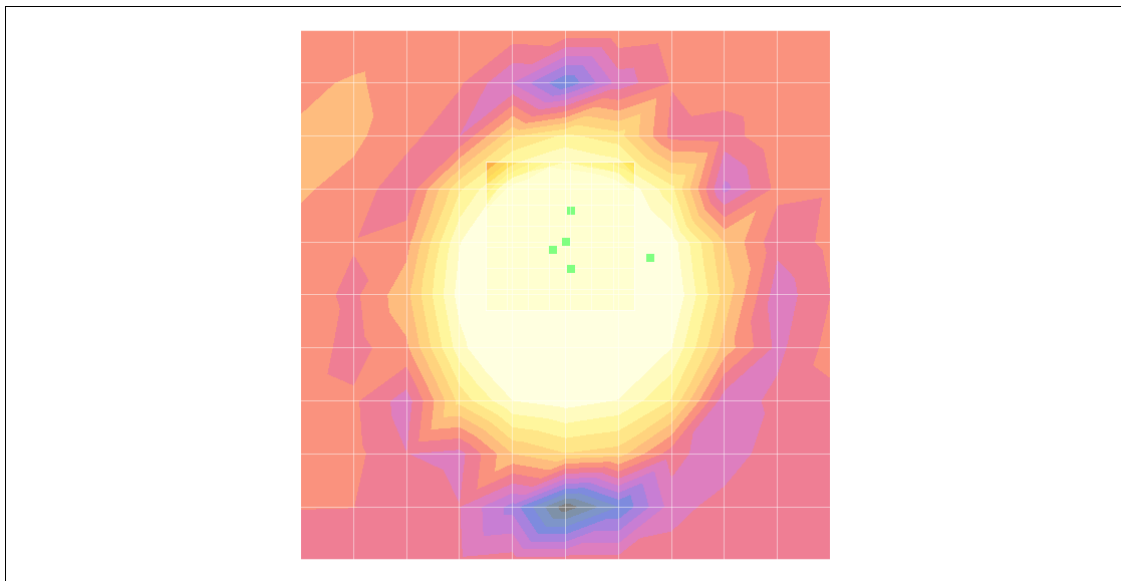
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 9.47 dB A/m

BWC Factor = 0.151969 dB

Location: 0, -5, 363.7 mm



0 dB = 1.00A/m

Report No.:	HCT-IA0904-2901-03	FCC ID:	PP4PIVOT	Date of Issue:	May 23, 2009

PCS1900 (1175CH) Speaker

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

DUT: TXT8030; Type: Speaker Side
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/m³
Phantom section: AMB with Coil Section

DASY4 Configuration:

- Probe: AM1DV2 - 1013; ; Calibrated: 2006-04-18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn466; Calibrated: 2008-07-17
- 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 = -37.4 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 = 41.4 dB

ABM1 comp = 4.05 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 = 4.05 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 = -37.4 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 = 40.4 dB

ABM1 comp = 3.00 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 = 3.00 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 = 11.1 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 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 = 0.777 dB

BWC Factor = 10.8 dB

Location: -0.8, -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 = -31.2 dB A/m

Location: -2.5, 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 = 41.8 dB

ABM1 comp = 10.6 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 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 = 10.6 dB A/m

BWC Factor = 0.151969 dB

Location: -2.5, 0.5, 363.7 mm

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

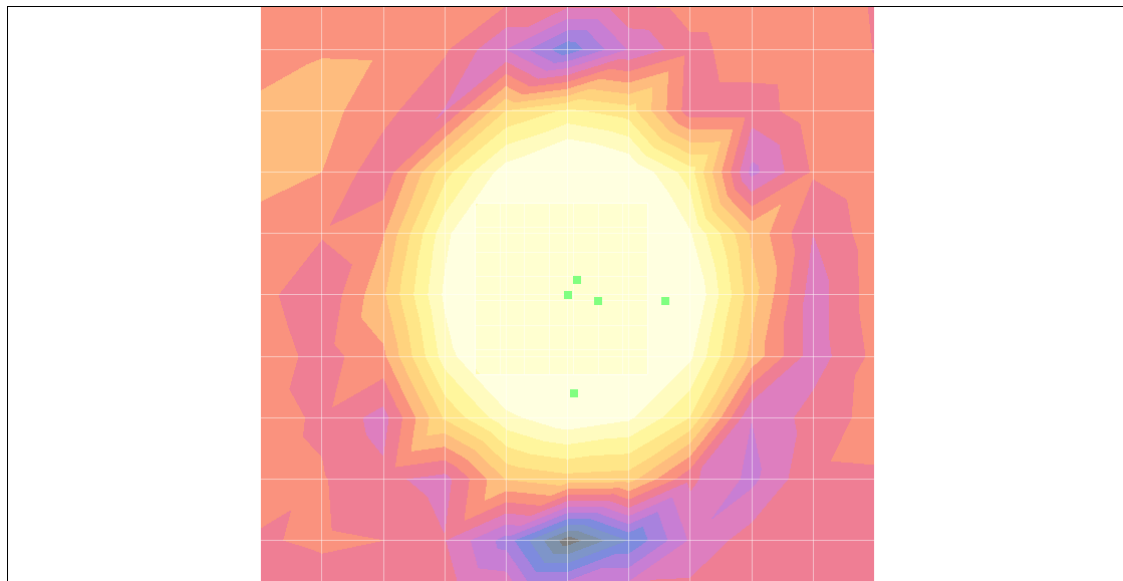
Measurement grid: dx=10mm, dy=10mm

Cursor:

ABM1 comp = 10.8 dB A/m

BWC Factor = 0.151969 dB

Location: 0, 0, 363.7 mm



0 dB = 1.00A/m