Appendix A.   Plots of T-Coil Measurement

The plots are shown as follows.

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#01 HAC T-Coil_CDMA2000 BC0_RC1 SO3_Ch1013(Z)

DUT: 342701B

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
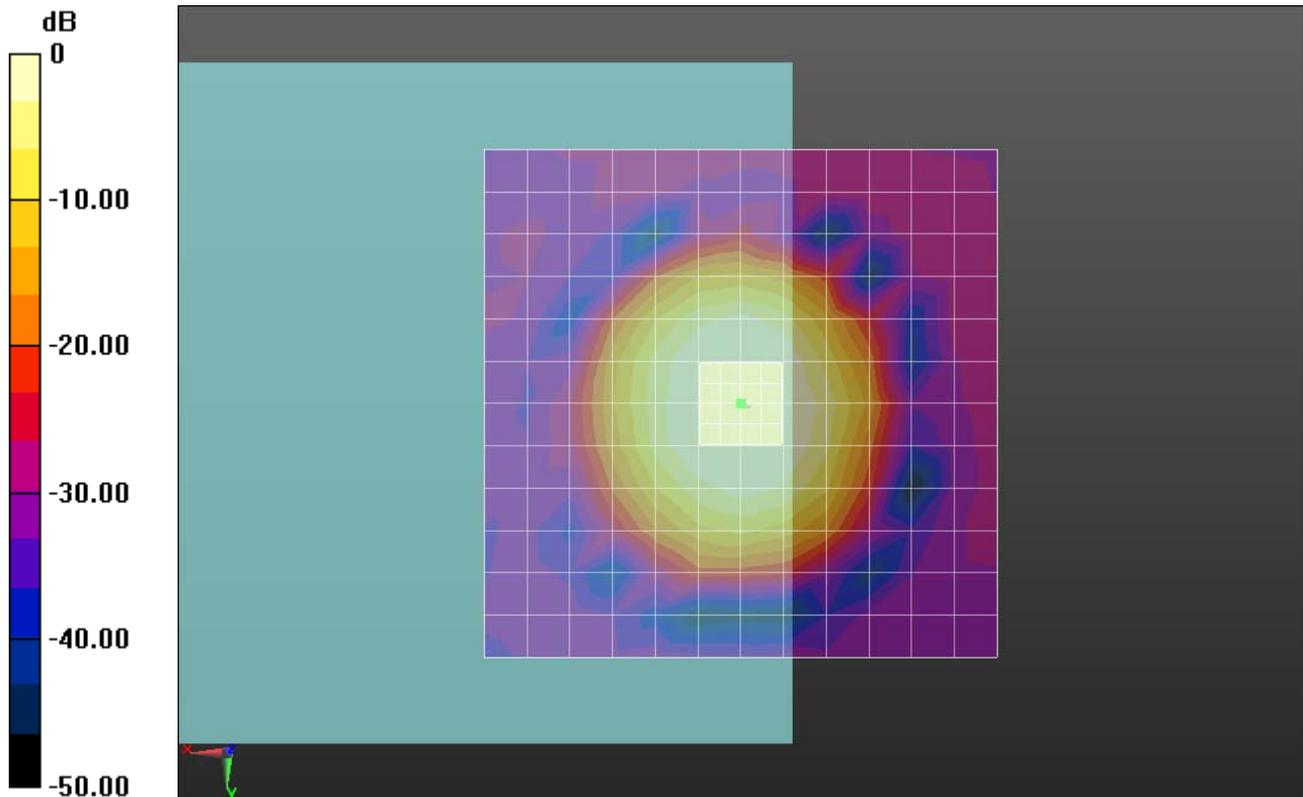Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch1013/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1): Measurement grid: dx=10mm, dy=10mm
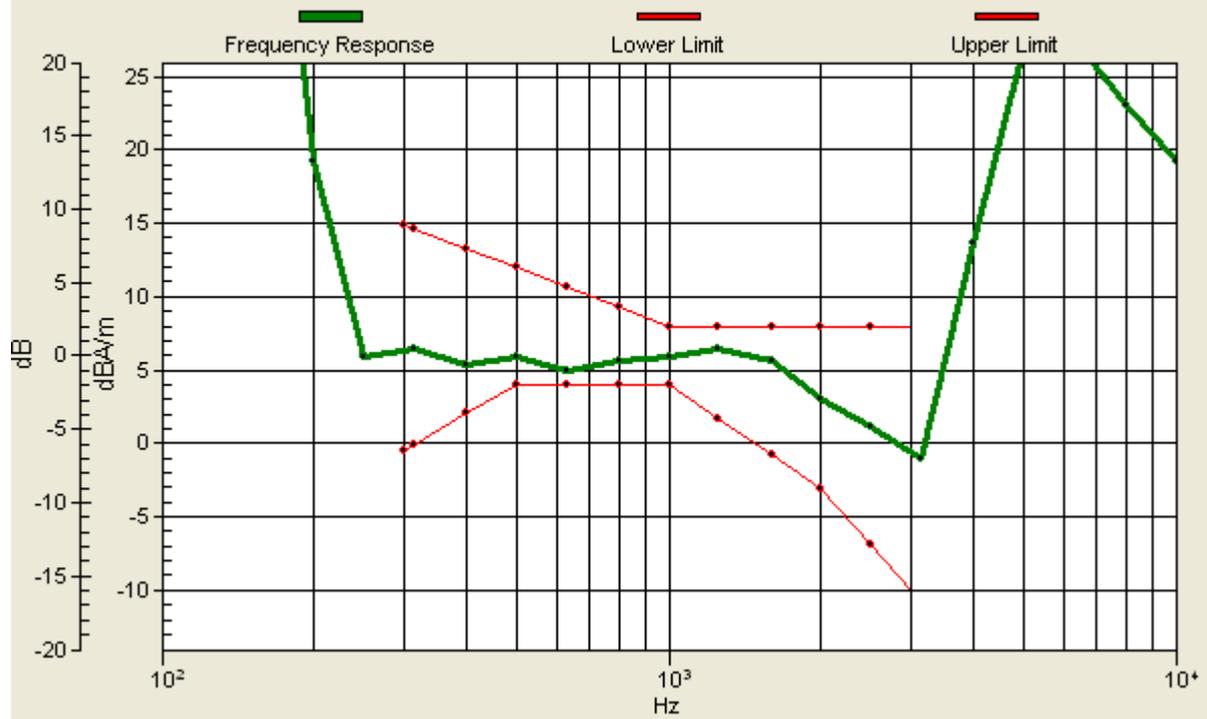ABM1/ABM2 = 44.30 dB
ABM1 comp = 4.52 dBA/m
Location: 0, 0, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

Ch1013/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 0, 3.7 mm Diff: 1.01dB

Frequency Response   Lower Limit   Upper Limit

#01 HAC T-Coil_CDMA2000 BC0_RC1 SO3_Ch1013(Y)

DUT: 342701B

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
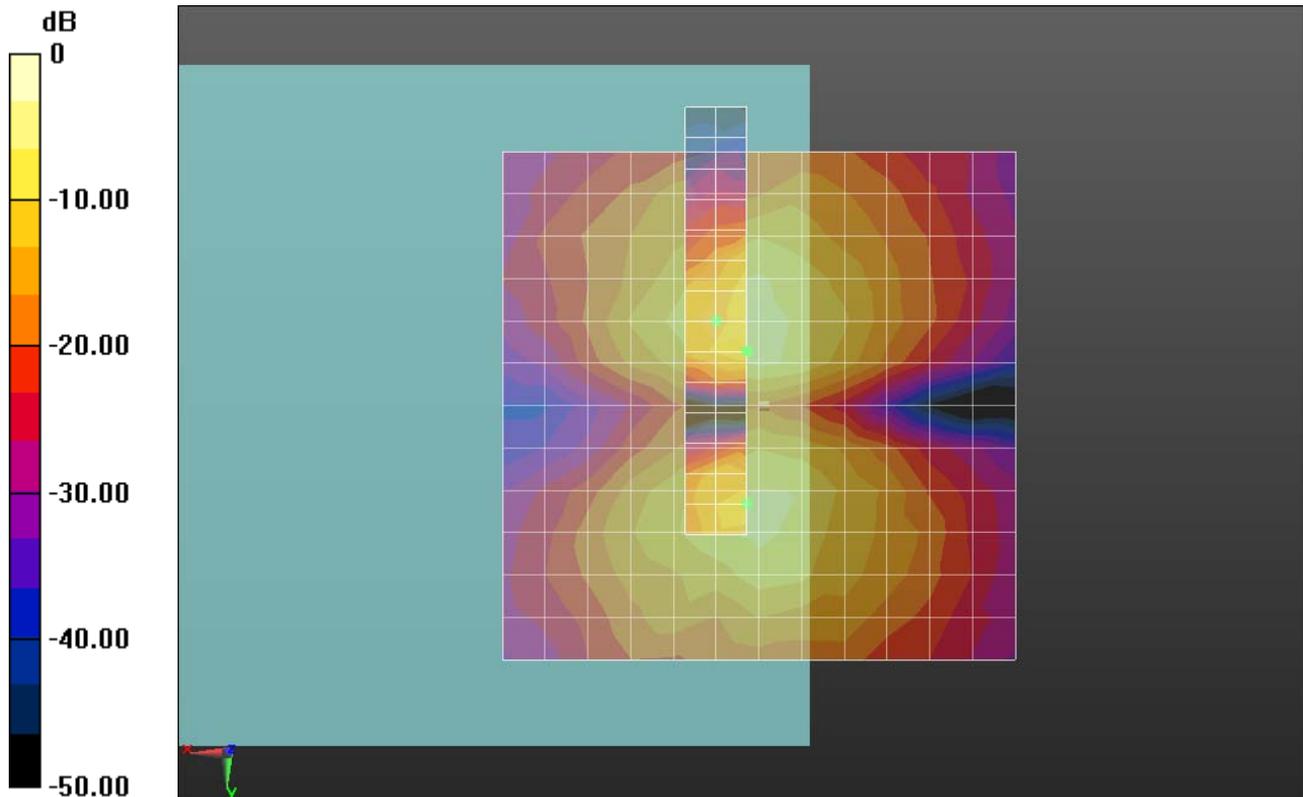- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch1013/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 38.53 dB
ABM1 comp = -5.17 dBA/m
Location: 1.2, -5.3, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

#02 HAC T-Coil_CDMA2000 BC0_RC1 SO3_Ch384(Z)

DUT: 342701B

Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
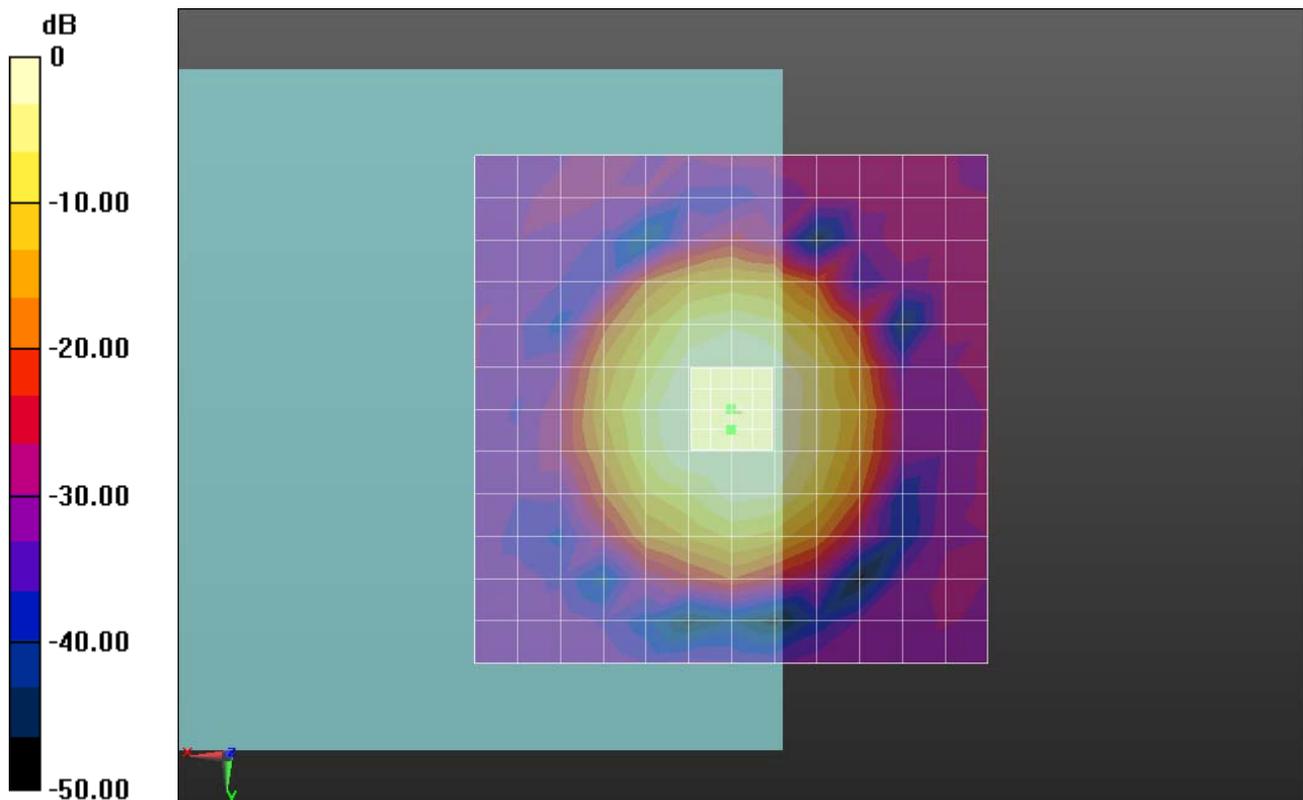
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch384/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.19 dB

ABM1 comp = 4.42 dBA/m

Location: 0, 2, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

#02 HAC T-Coil_CDMA2000 BC0_RC1 SO3_Ch384(Z)

Ch384/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 2, 3.7 mm Diff: 0.74dB

Frequency Response   Lower Limit   Upper Limit

#02 HAC T-Coil_CDMA2000 BC0_RC1 SO3_Ch384(Y)

DUT: 342701B

Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
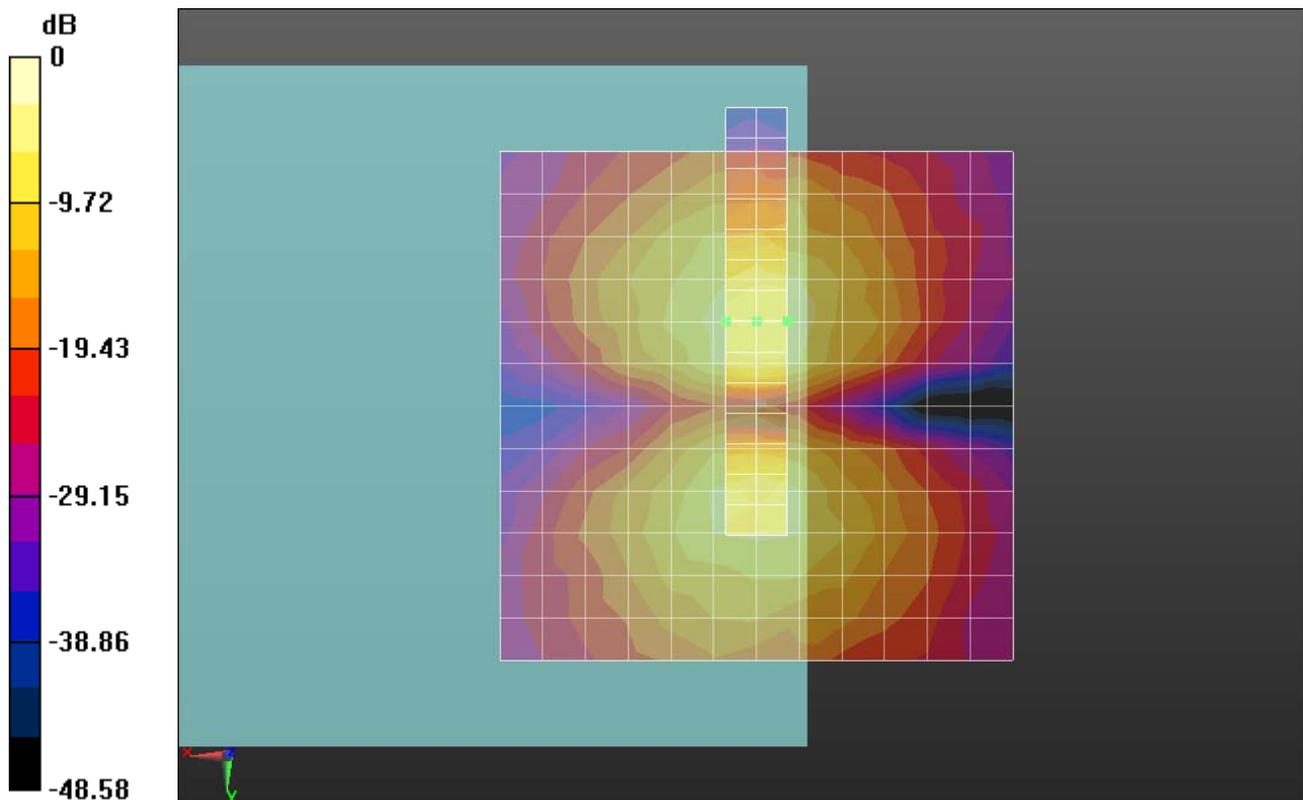- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch384/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 39.69 dB
ABM1 comp = -3.84 dBA/m
Location: -3, -8.3, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

#03 HAC T-Coil_CDMA2000 BC0_RC1 SO3_Ch777(Z)

DUT: 342701B

Communication System: CDMA2000; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
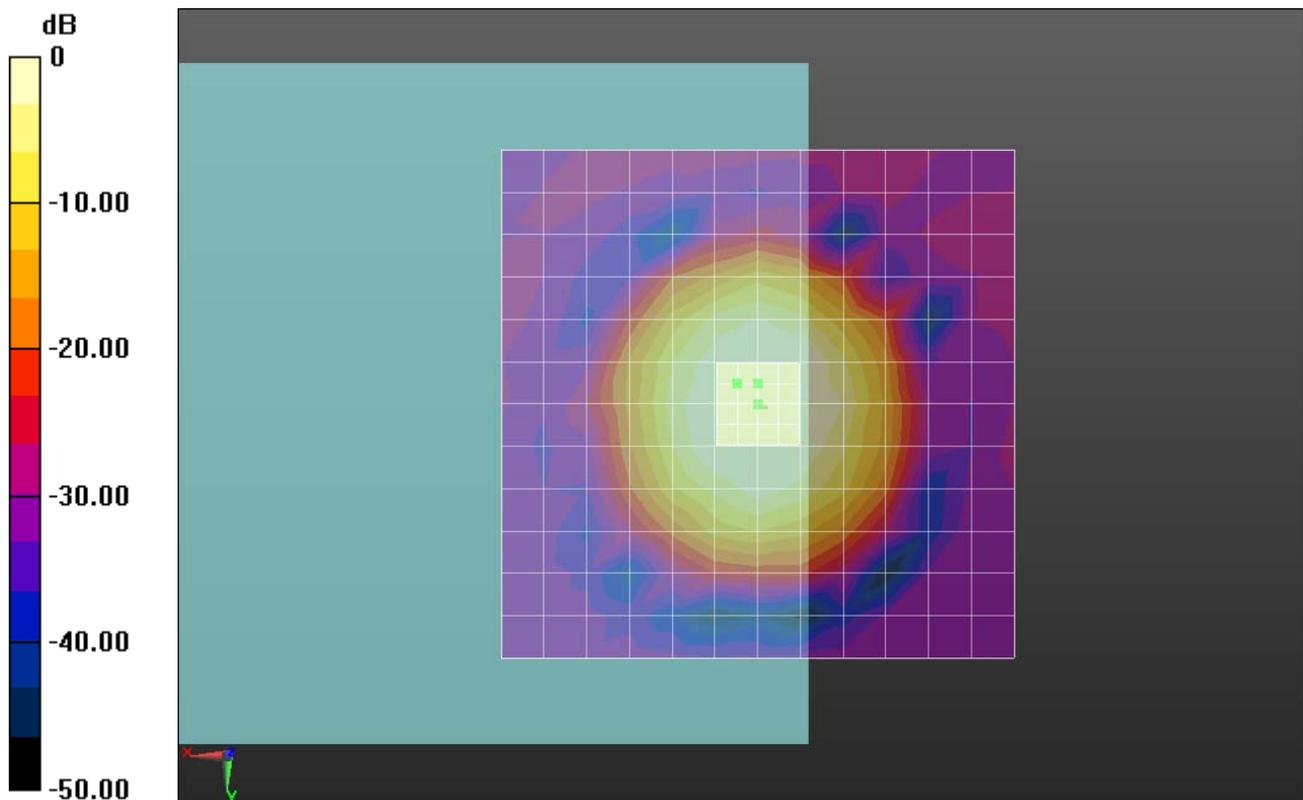
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch777/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.17 dB

ABM1 comp = 3.54 dBA/m

Location: 2, -2, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

Ch777/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 2, -2, 3.7 mm Diff: 1.91dB

Frequency Response   Lower Limit   Upper Limit

#03 HAC T-Coil_CDMA2000 BC0_RC1 SO3_Ch777(Y)

DUT: 342701B

Communication System: CDMA2000; Frequency: 848.31 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
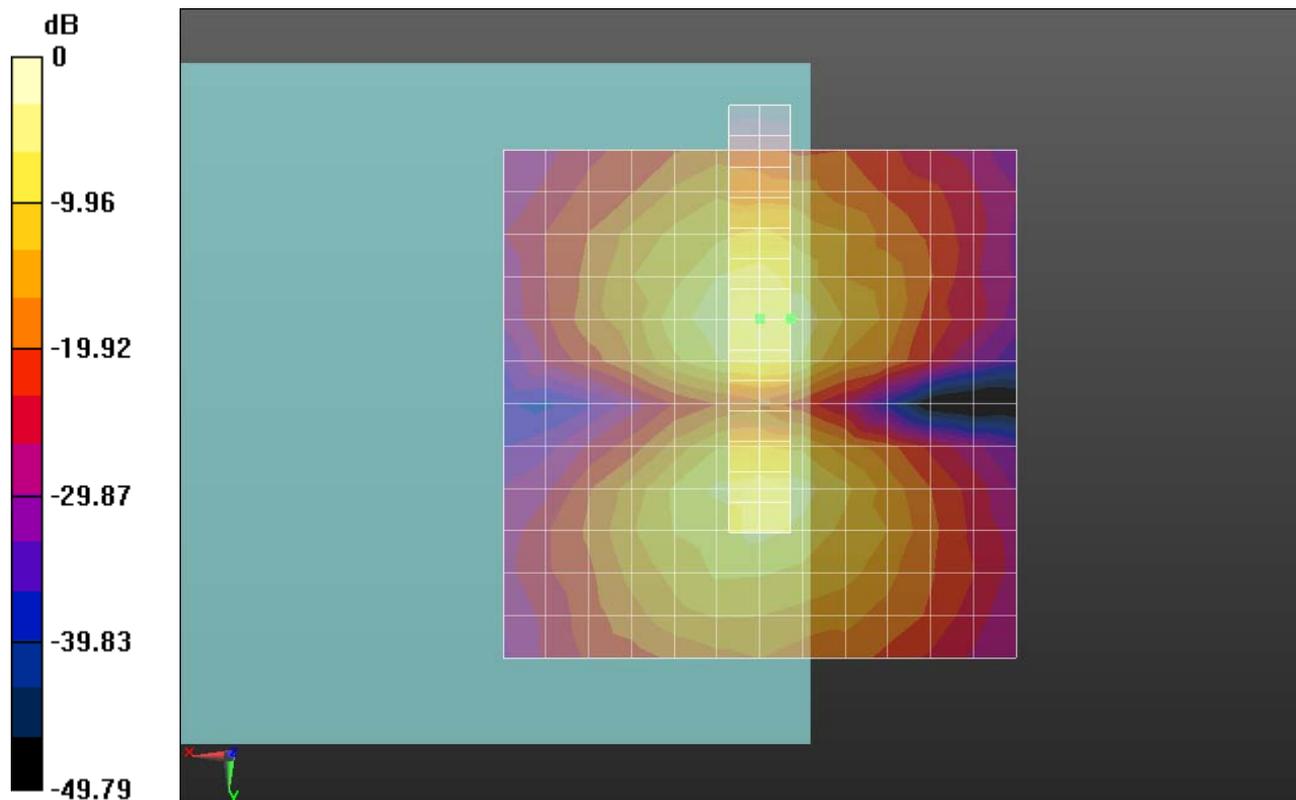- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch777/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 40.56 dB
ABM1 comp = -4.16 dBA/m
Location: -3, -8.3, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

#04 HAC T-Coil_CDMA2000 BC1_RC1 SO3_Ch25(Z)

DUT: 342701B

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
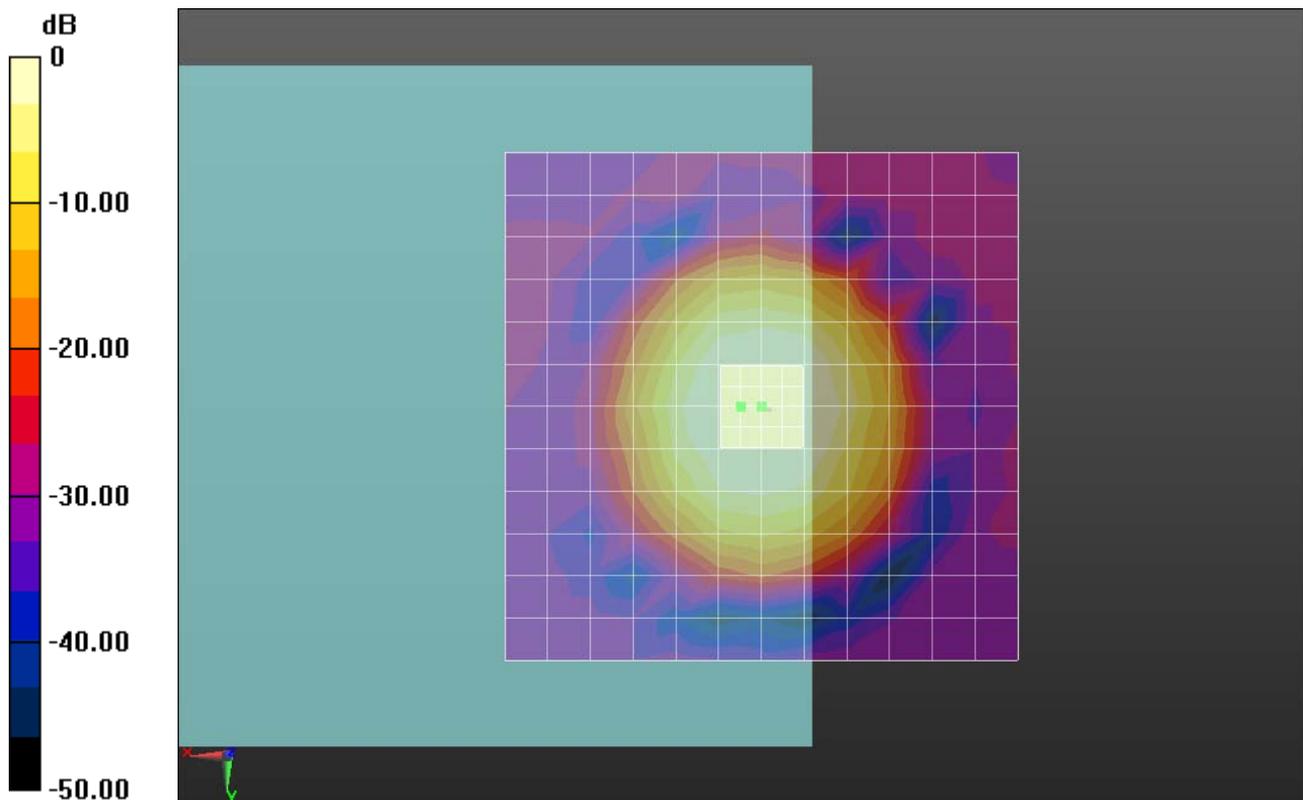
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch25/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.55 dB

ABM1 comp = 3.77 dBA/m

Location: 2, 0, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

Ch25/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 2, 0, 3.7 mm Diff: 1.58dB

Frequency Response   Lower Limit   Upper Limit

#04 HAC T-Coil_CDMA2000 BC1_RC1 SO3_Ch25(Y)

DUT: 342701B

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
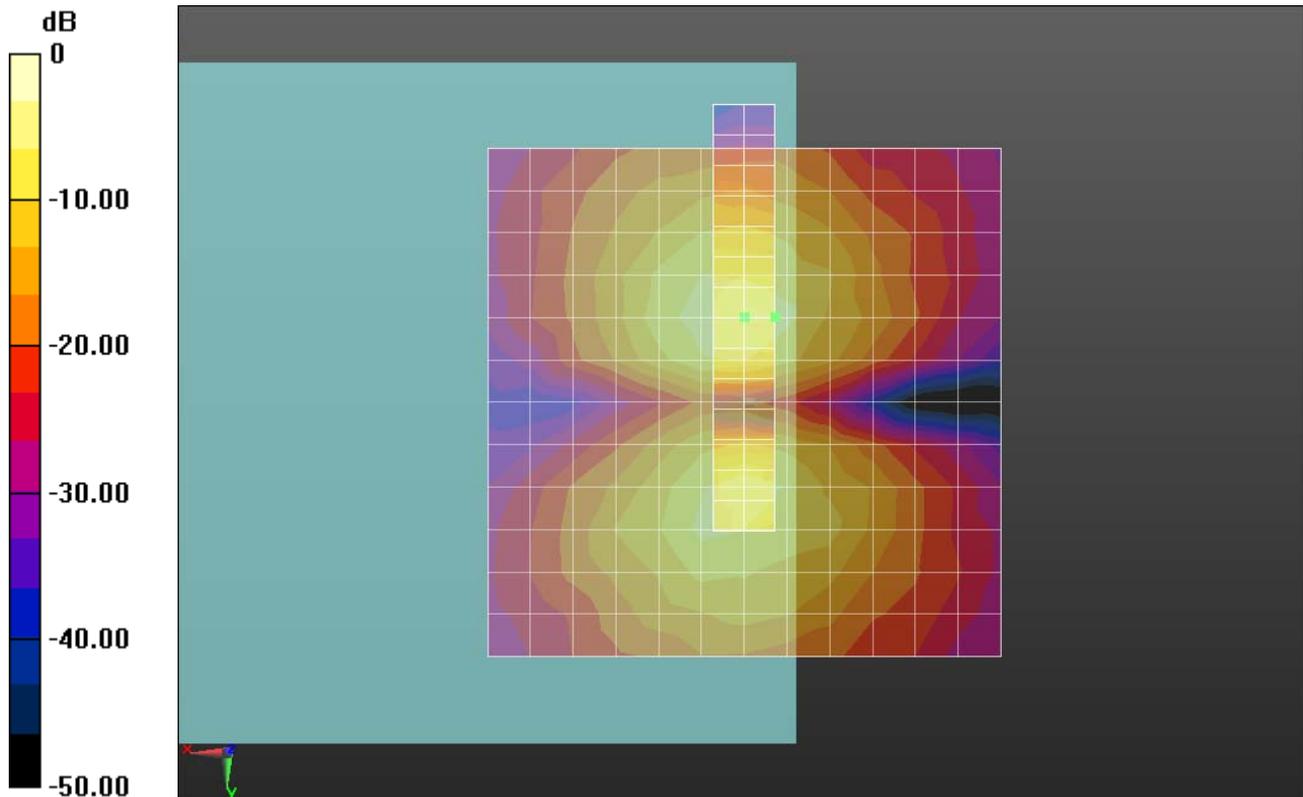- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch25/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 39.60 dB
ABM1 comp = -3.98 dBA/m
Location: -3, -8.3, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

#05 HAC T-Coil_CDMA2000 BC1_RC1 SO3_Ch600(Z)

DUT: 342701B

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
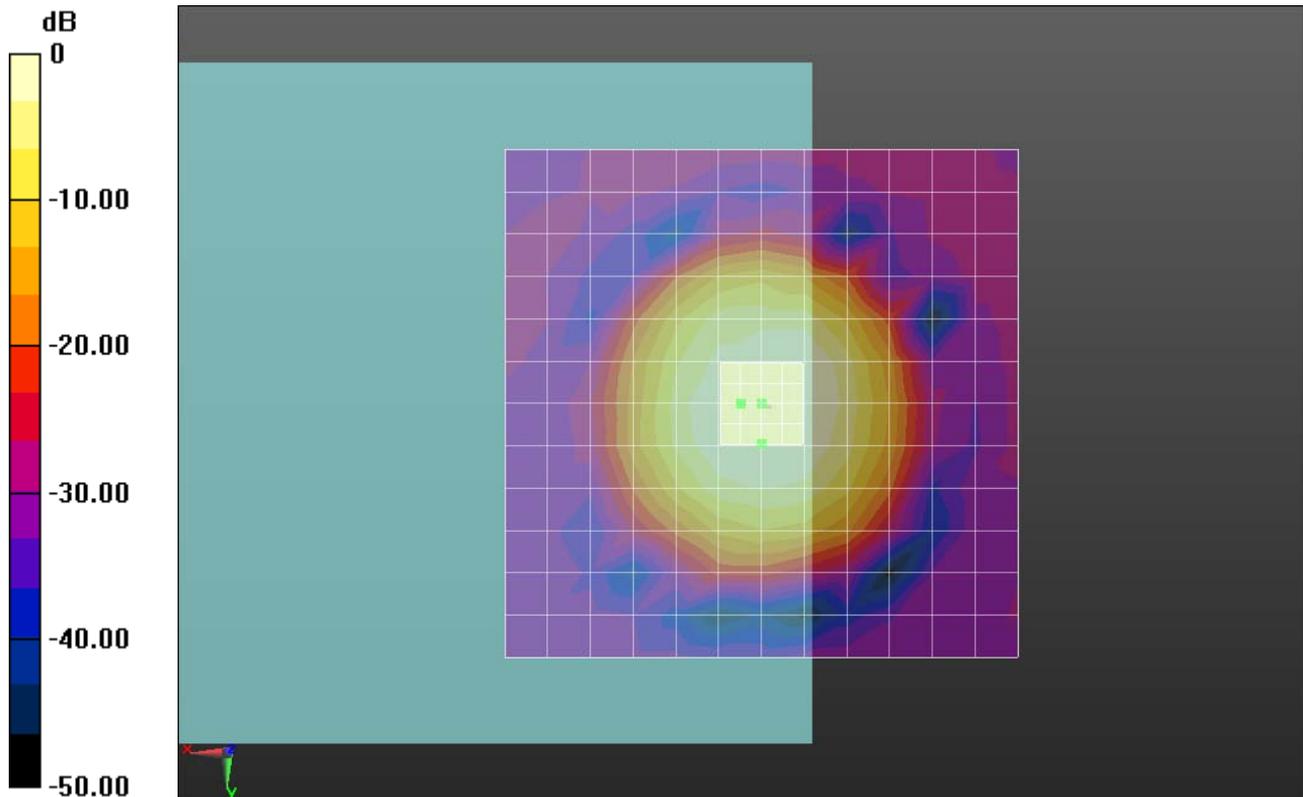Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch600/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 44.13 dB
ABM1 comp = 3.36 dBA/m
Location: 2, 0, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

Ch600/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 2, 0, 3.7 mm Diff: 1.94dB

#05 HAC T-Coil_CDMA2000 BC1_RC1 SO3_Ch600(Y)

DUT: 342701B

Communication System: CDMA2000; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
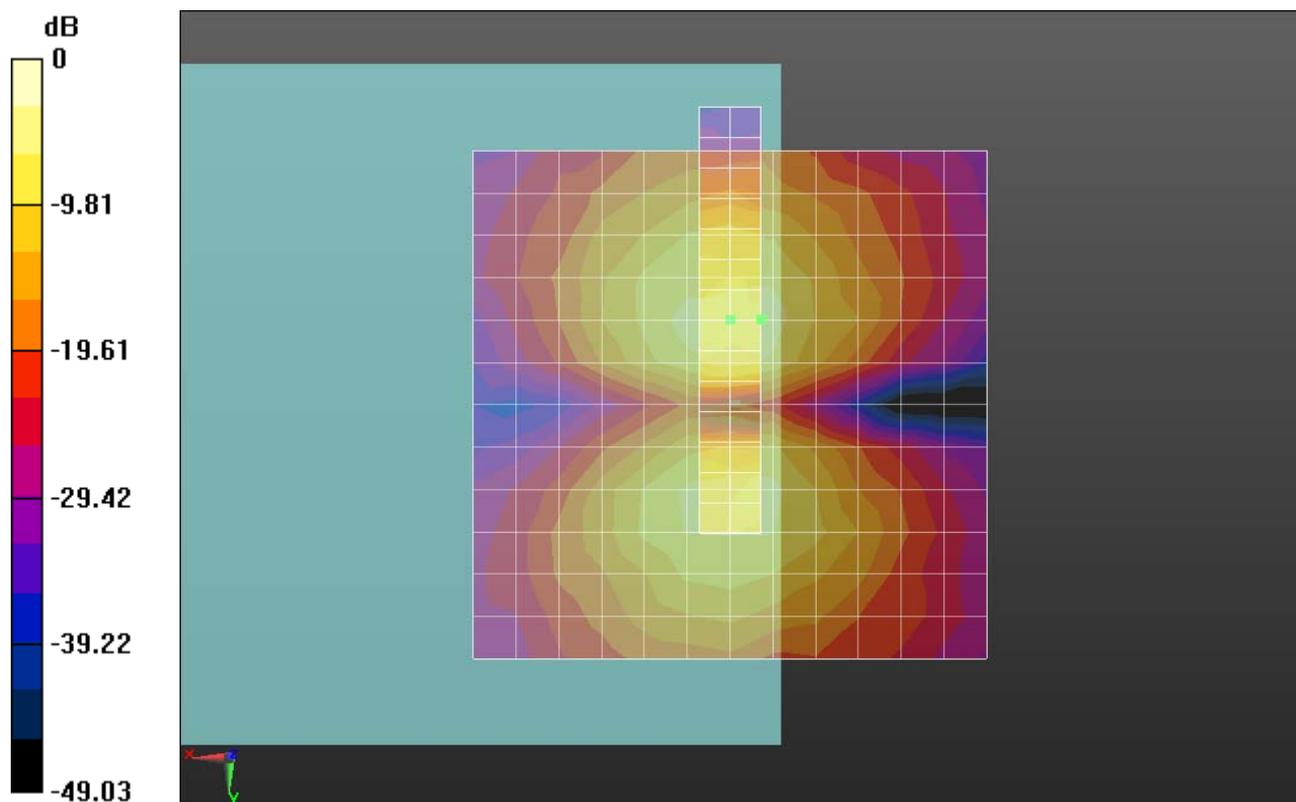- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch600/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 39.00 dB
ABM1 comp = -4.36 dBA/m
Location: -3, -8.3, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

#06 HAC T-Coil_CDMA2000 BC1_RC1 SO3_Ch1175(Z)

DUT: 342701B

Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
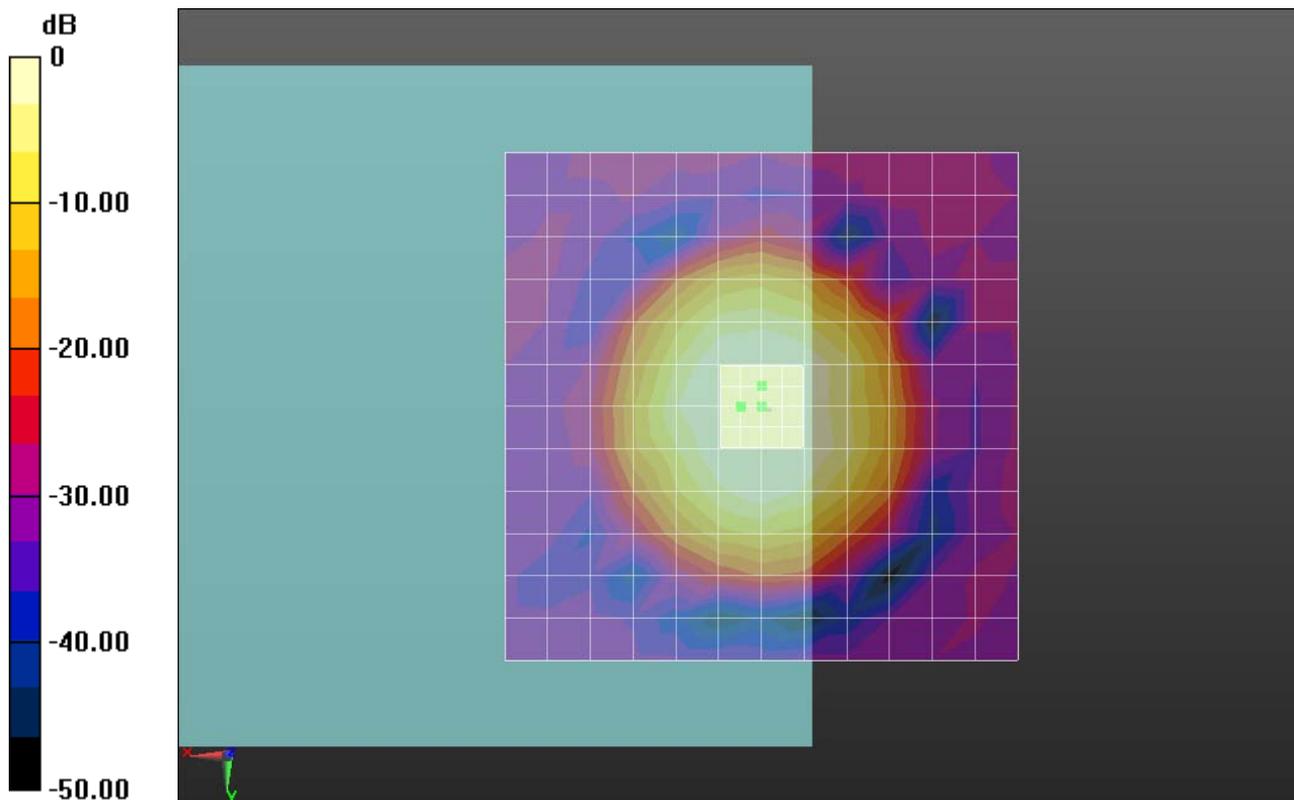Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch1175/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 44.89 dB
ABM1 comp = 4.17 dBA/m
Location: 2, 0, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m

Ch1175/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 2, 0, 3.7 mm Diff: 2dB

#06 HAC T-Coil_CDMA2000 BC1_RC1 SO3_Ch1175(Y)

DUT: 342701B

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3

Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
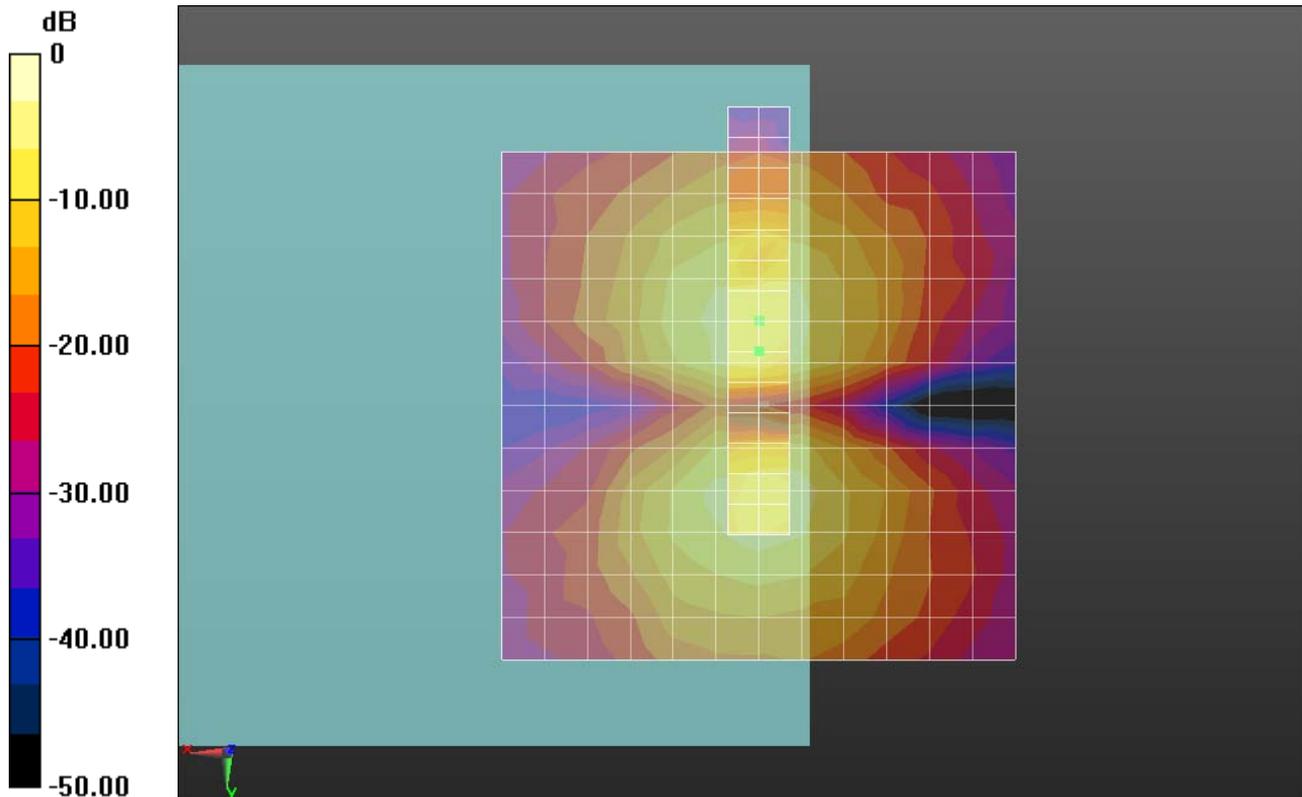- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

Ch1175/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 39.39 dB
ABM1 comp = -4.26 dBA/m
Location: 0, -5.3, 3.7 mm

0 dB = 1.000 A/m = 0.00 dBA/m