



Appendix A. Plots of T-Coil Measurement

The plots are shown as follows.

#01 HAC_T-Coil_CDMA2000 BC0_RC1+SO3 (8kEVRC)_Ch1013_Axial (Z)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

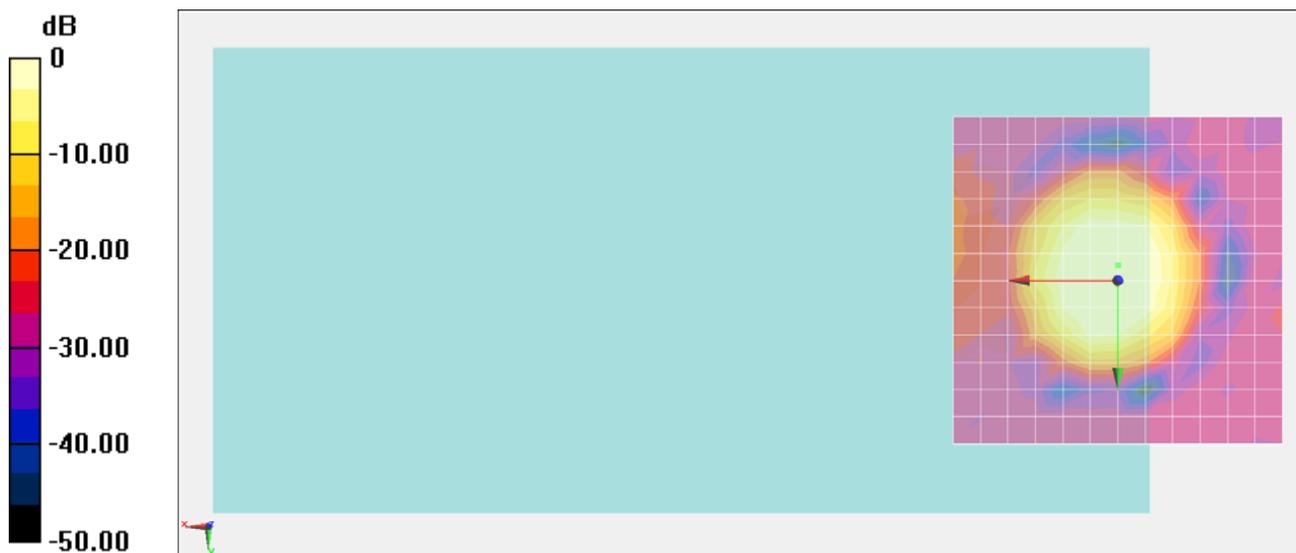
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 46.51 dB

ABM1 comp = 4.70 dB A/m

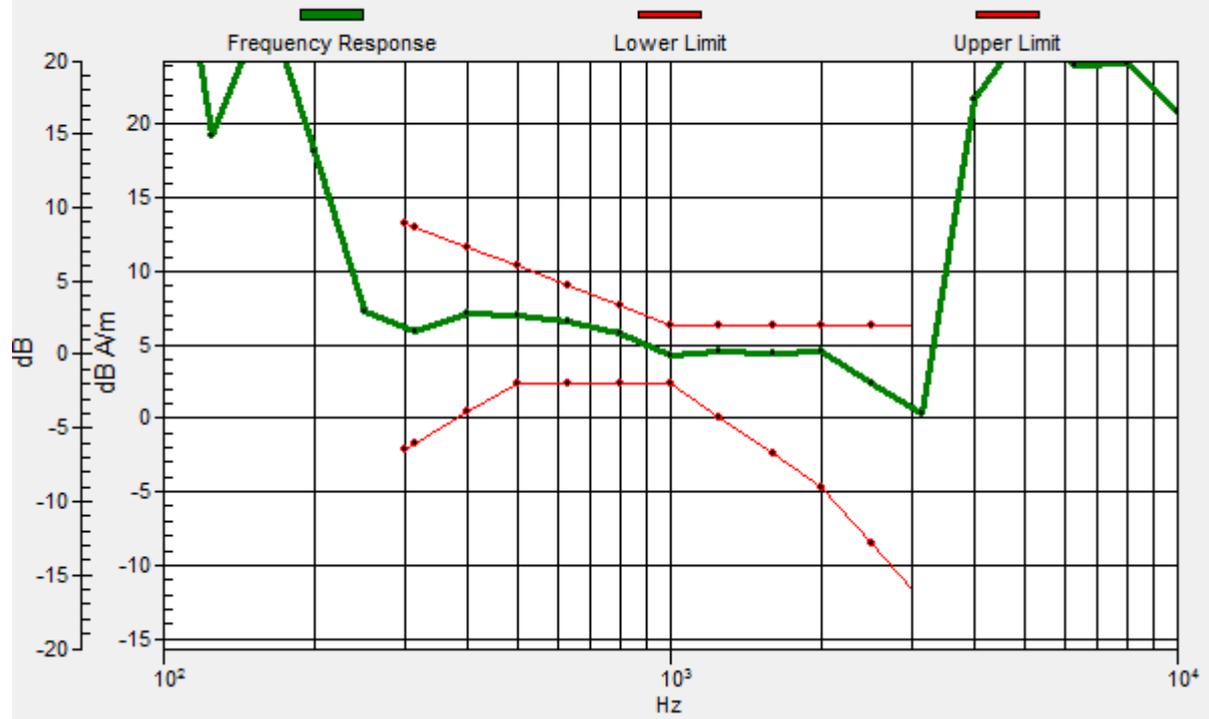
Location: 0, 0, 3.7 mm



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

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

Loc: 0, -2.3, 3.7 mm Diff: 1.75dB



#01 HAC_T-Coil_CDMA2000 BC0_RC1+SO3 (8kEVRC)_Ch1013_Radial 2 (Y)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

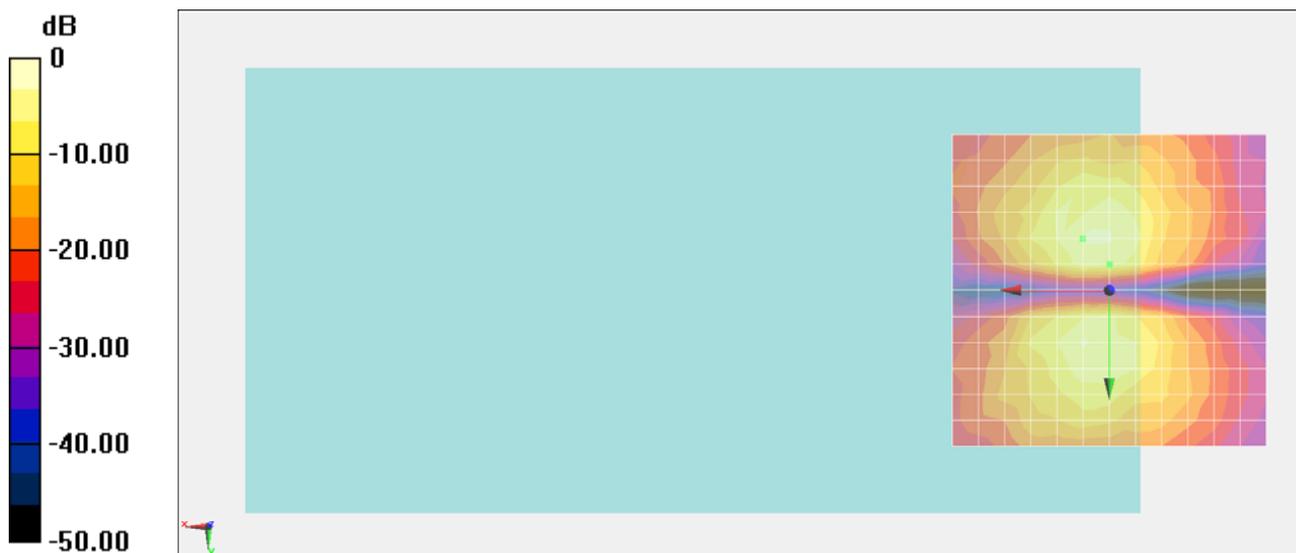
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 38.33 dB

ABM1 comp = -5.37 dB A/m

Location: 0, -4.2, 3.7 mm



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

#02 HAC_T-Coil_CDMA2000 BC0_RC1+SO3 (8kEVRC)_Ch384_Axial (Z)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

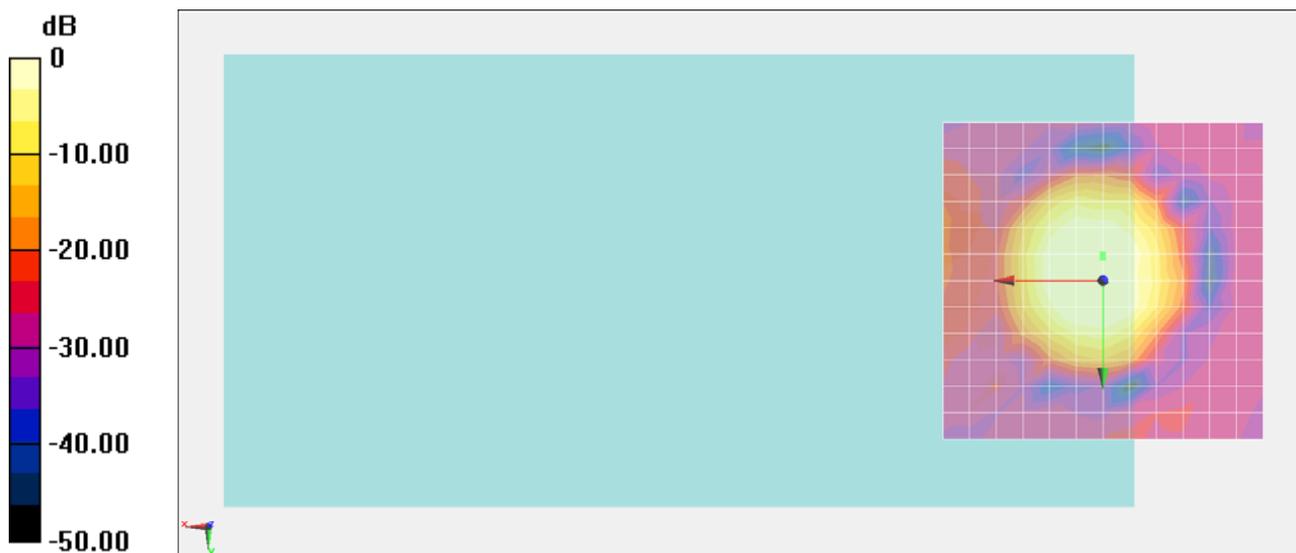
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 48.41 dB

ABM1 comp = 5.67 dB A/m

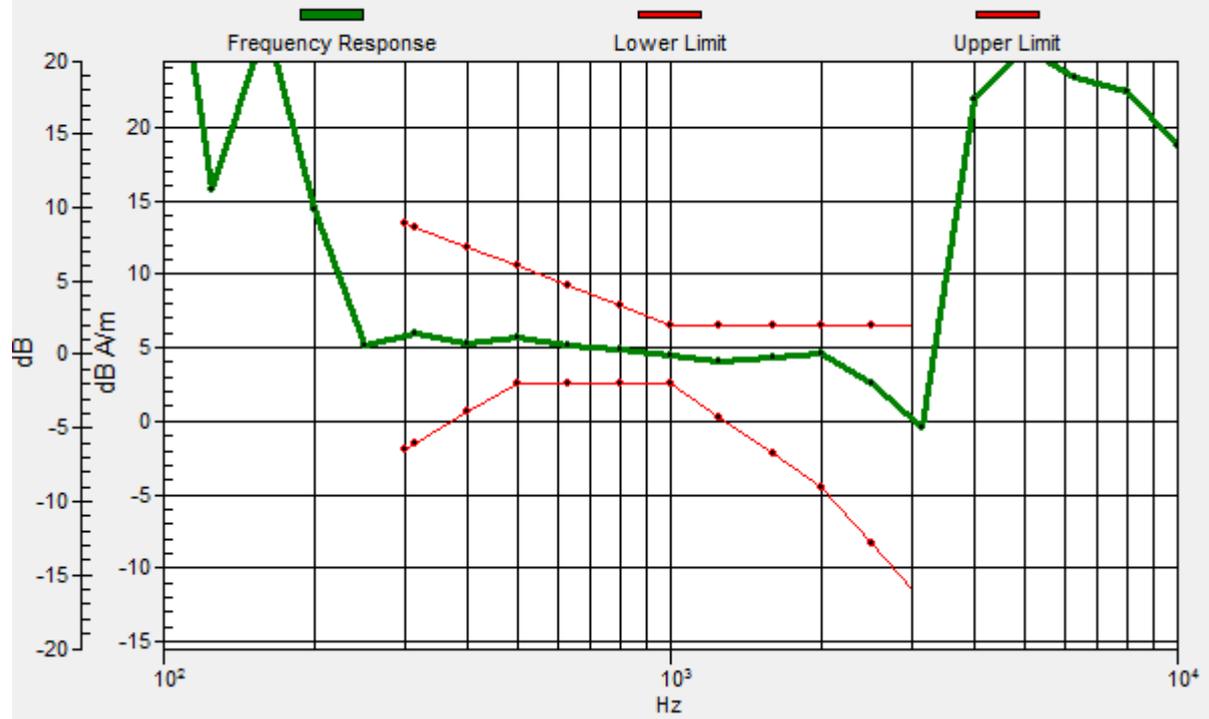
Location: 0, -4.2, 3.7 mm



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

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

Loc: 0.1, -3.6, 3.7 mm Diff: 1.92dB



#02 HAC_T-Coil_CDMA2000 BC0_RC1+SO3 (8kEVRC)_Ch384_Radial 2 (Y)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

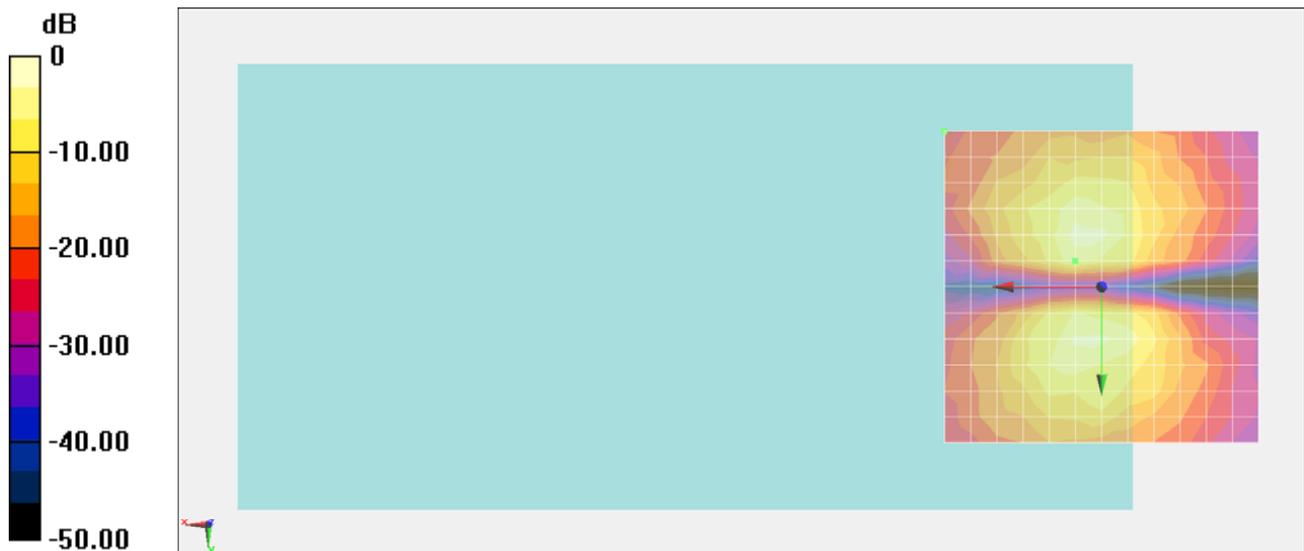
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 37.34 dB

ABM1 comp = -4.71 dB A/m

Location: 4.2, -4.2, 3.7 mm



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

#03 HAC_T-Coil_CDMA2000 BC0_RC1+SO3 (8kEVRC)_Ch777_Axial (Z)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

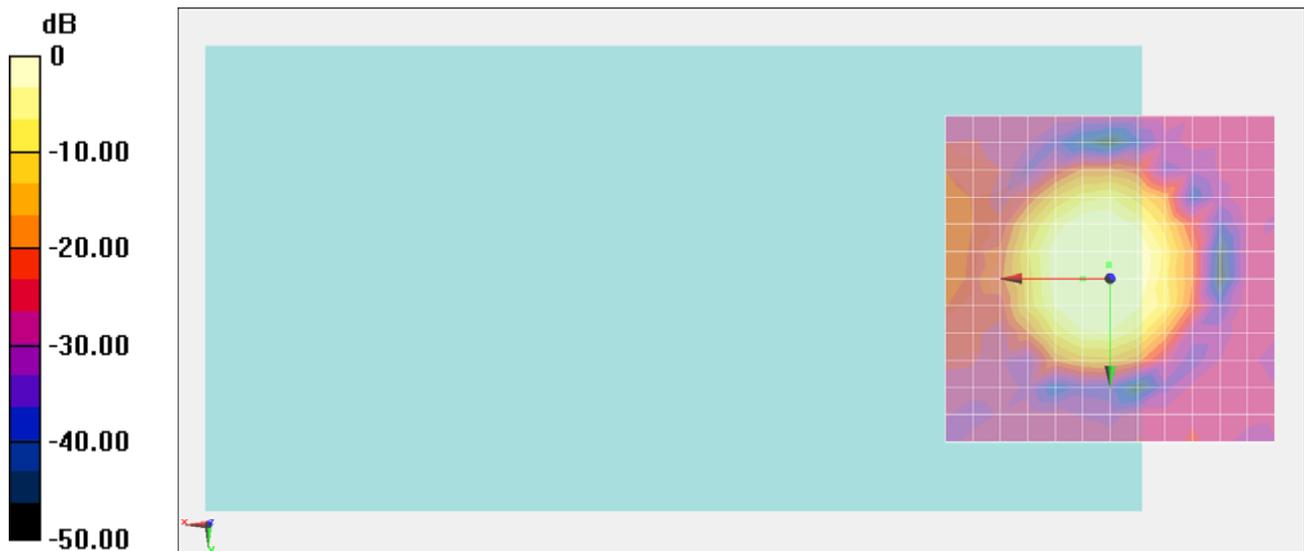
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 46.64 dB

ABM1 comp = 4.97 dB A/m

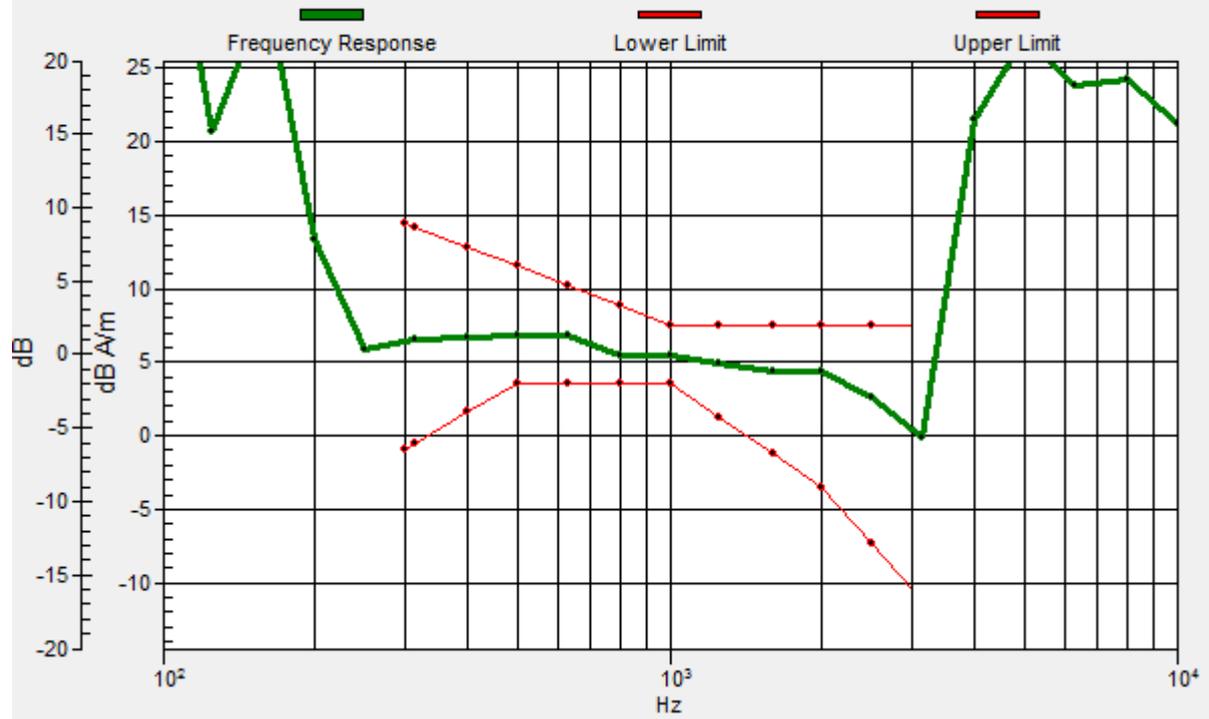
Location: 0, 0, 3.7 mm



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

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

Loc: 0.2, -2.1, 3.7 mm Diff: 1.88dB



#03 HAC_T-Coil_CDMA2000 BC0_RC1+SO3 (8kEVRC)_Ch777_Radial 2 (Y)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

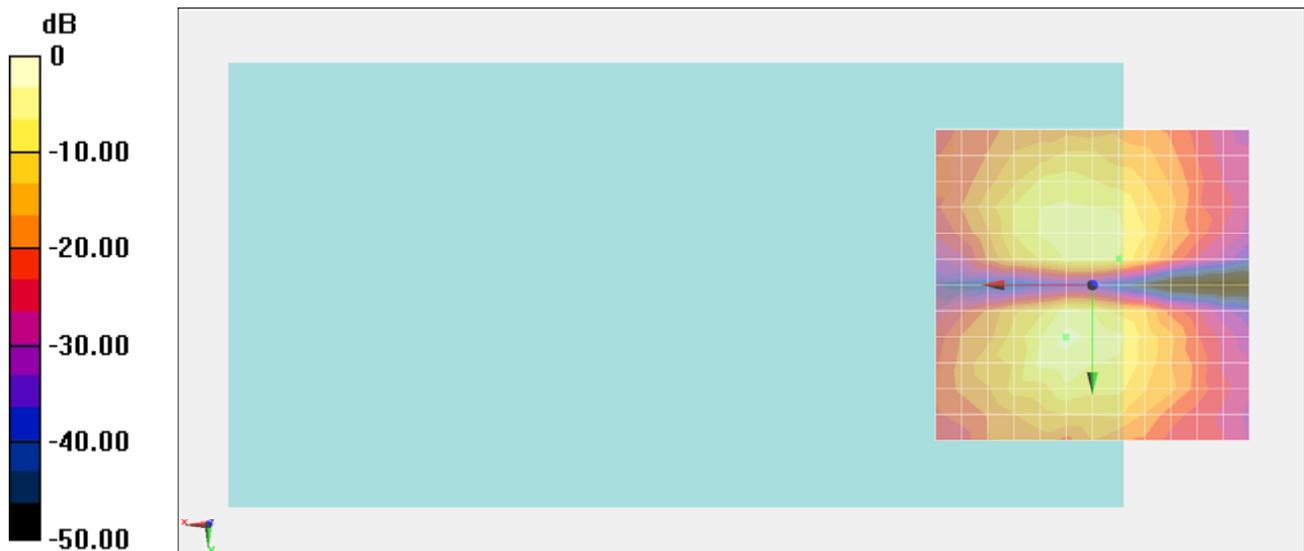
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 37.90 dB

ABM1 comp = -6.92 dB A/m

Location: -4.2, -4.2, 3.7 mm



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

#04 HAC_T-Coil_CDMA2000 BC10_RC1+SO3 (8kEVRC)_Ch476_Axial (Z)

DUT: 2D2016

Communication System: CDMA ; Frequency: 817.9 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

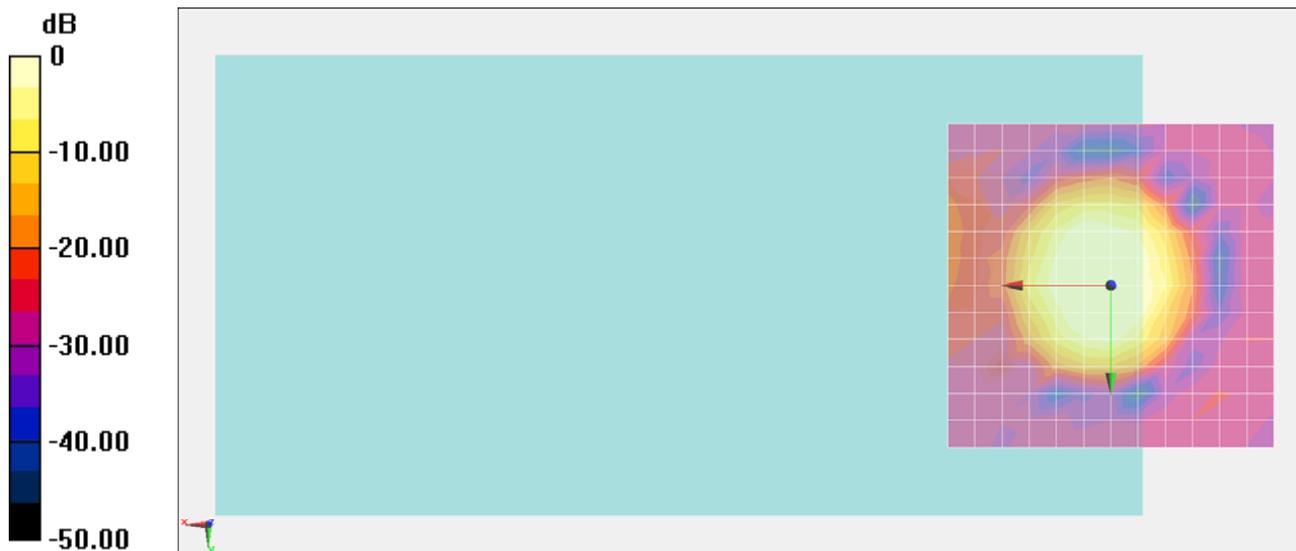
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 49.09 dB

ABM1 comp = 7.02 dB A/m

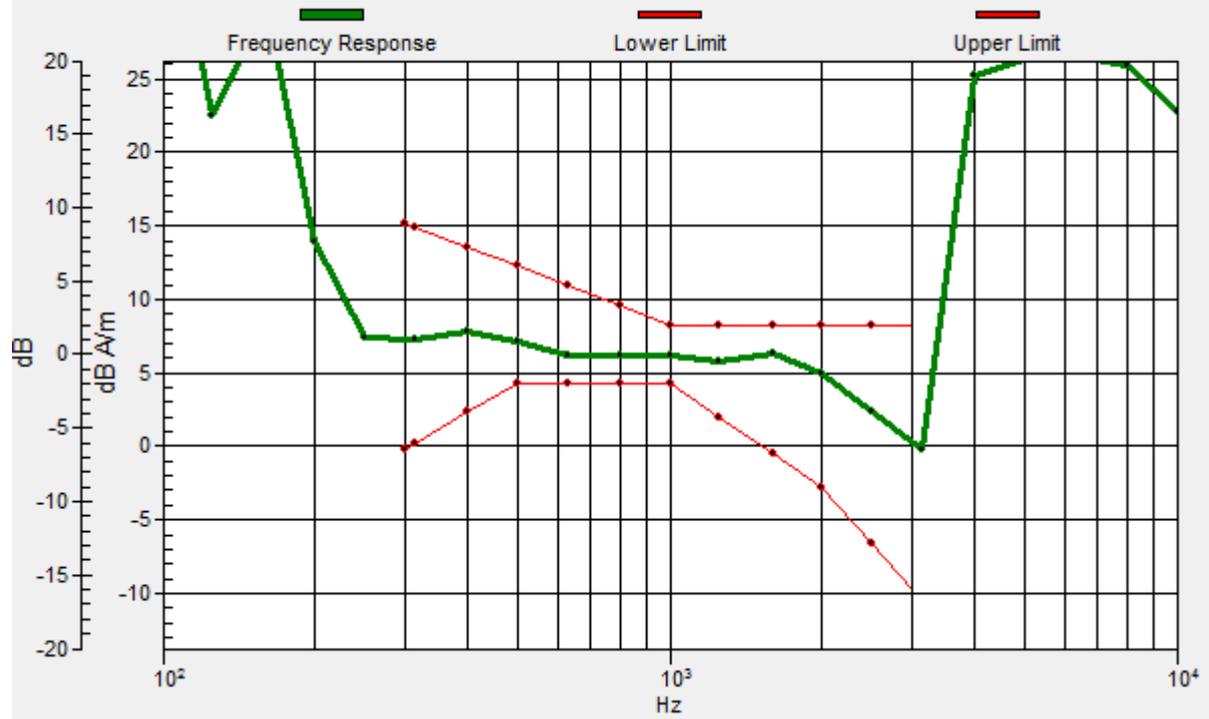
Location: 0, 0, 3.7 mm



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

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

Loc: 0, -0.5, 3.7 mm Diff: 1.92dB



#04 HAC_T-Coil_CDMA2000 BC10_RC1+SO3 (8kEVRC)_Ch476_Radial 2 (Y)

DUT: 2D2016

Communication System: CDMA ; Frequency: 817.9 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

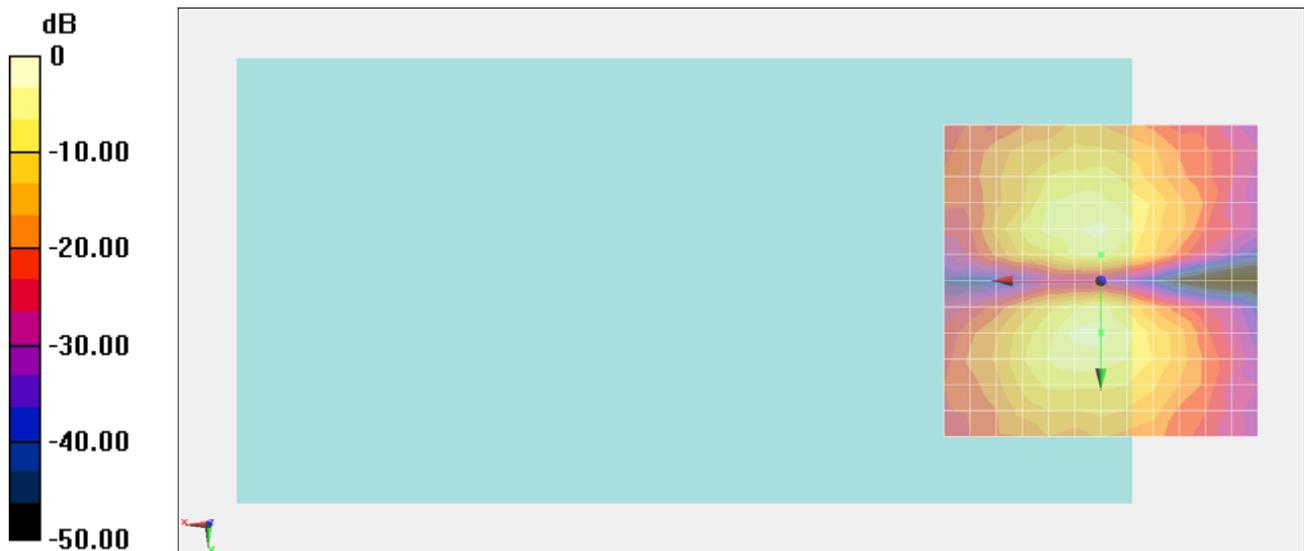
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 37.97 dB

ABM1 comp = -5.36 dB A/m

Location: 0, -4.2, 3.7 mm



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

#05 HAC_T-Coil_CDMA2000 BC10_RC1+SO3 (8kEVRC)_Ch580_Axial (Z)

DUT: 2D2016

Communication System: CDMA ; Frequency: 820.5 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

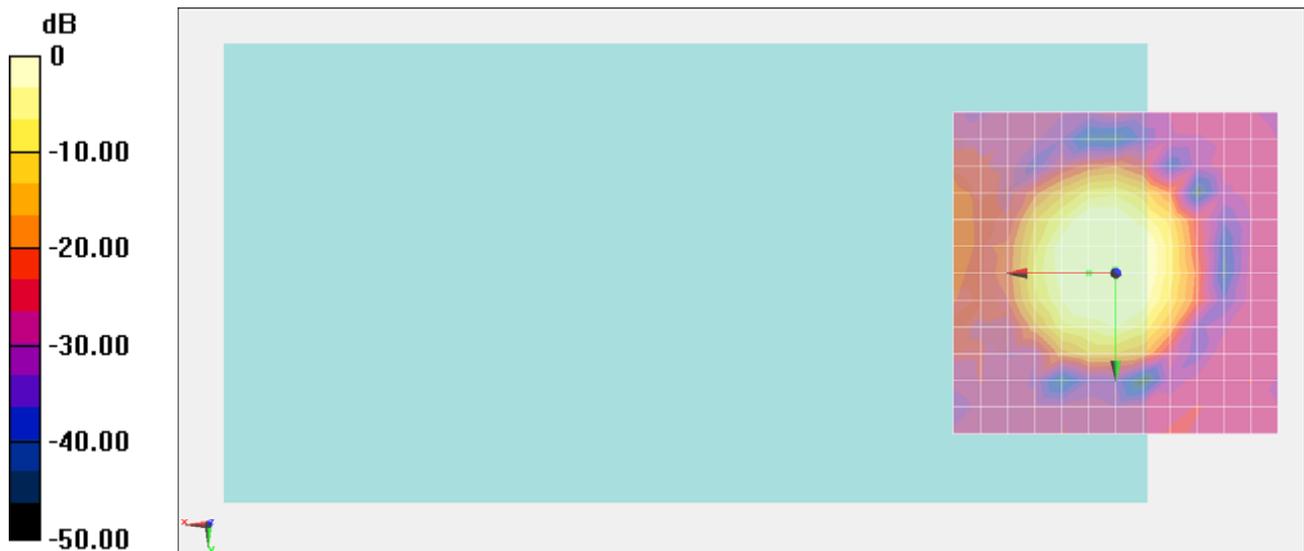
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 47.77 dB

ABM1 comp = 5.95 dB A/m

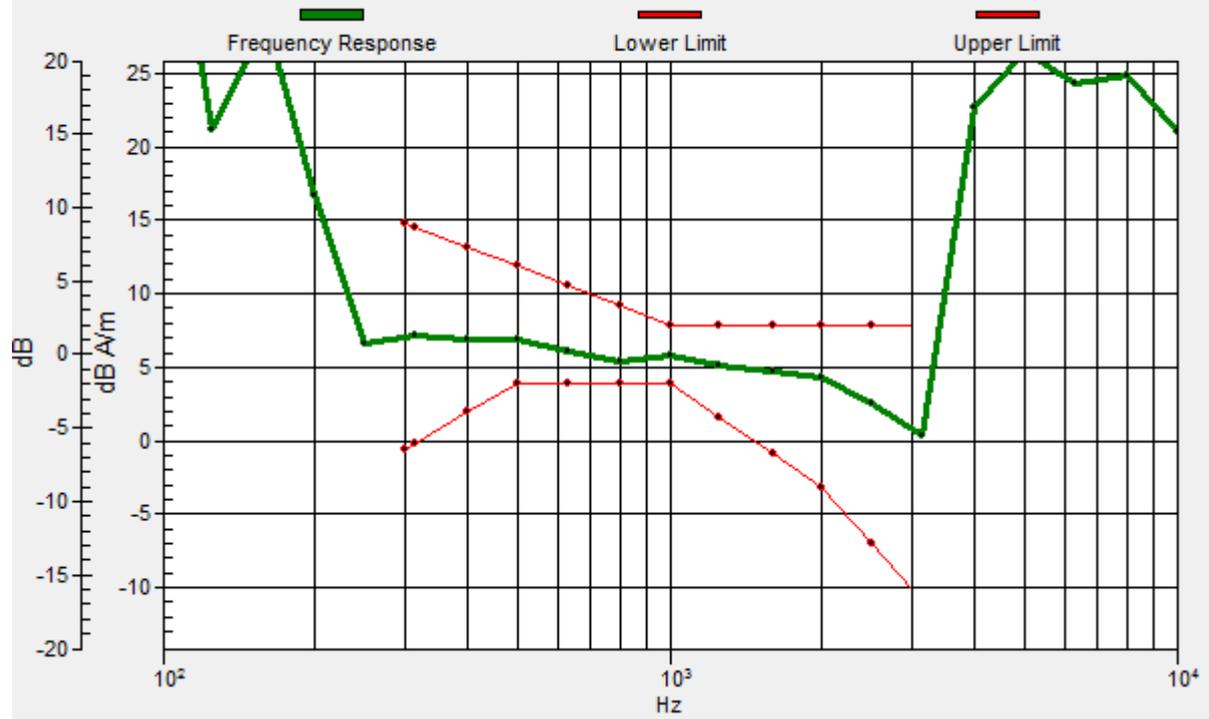
Location: 0, 0, 3.7 mm



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

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

Loc: 0.2, -0.6, 3.7 mm Diff: 1.55dB



#05 HAC_T-Coil_CDMA2000 BC10_RC1+SO3 (8kEVRC)_Ch580_Radial 2 (Y)

DUT: 2D2016

Communication System: CDMA ; Frequency: 820.5 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

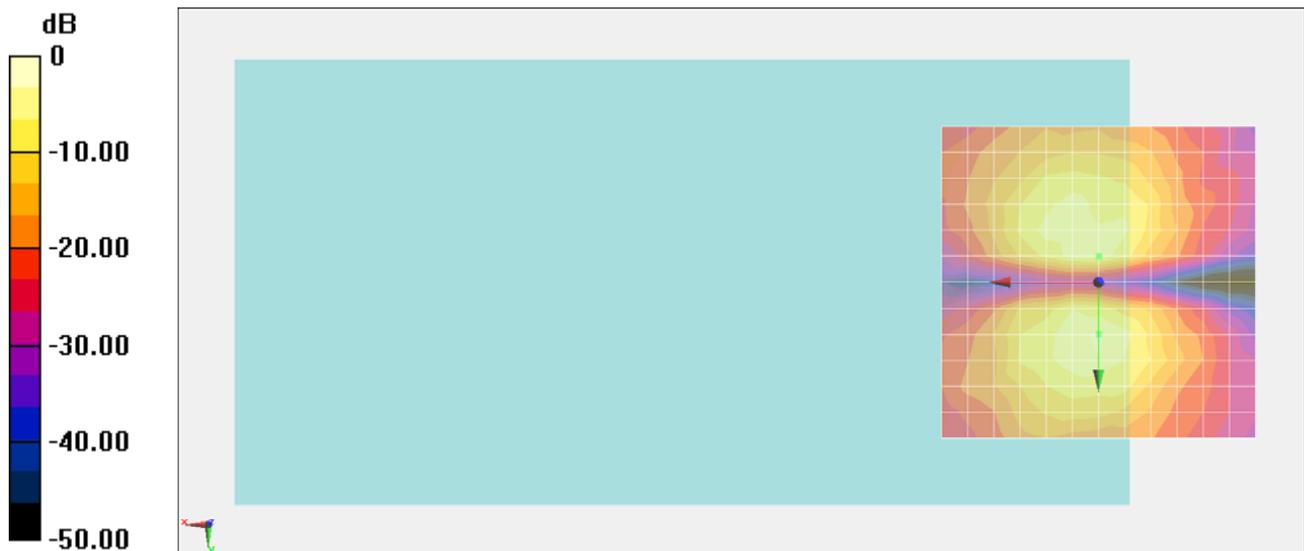
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 38.33 dB

ABM1 comp = -4.90 dB A/m

Location: 0, -4.2, 3.7 mm



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

#06 HAC_T-Coil_CDMA2000 BC10_RC1+SO3 (8kEVRC)_Ch684_Axial (Z)

DUT: 2D2016

Communication System: CDMA ; Frequency: 823.1 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

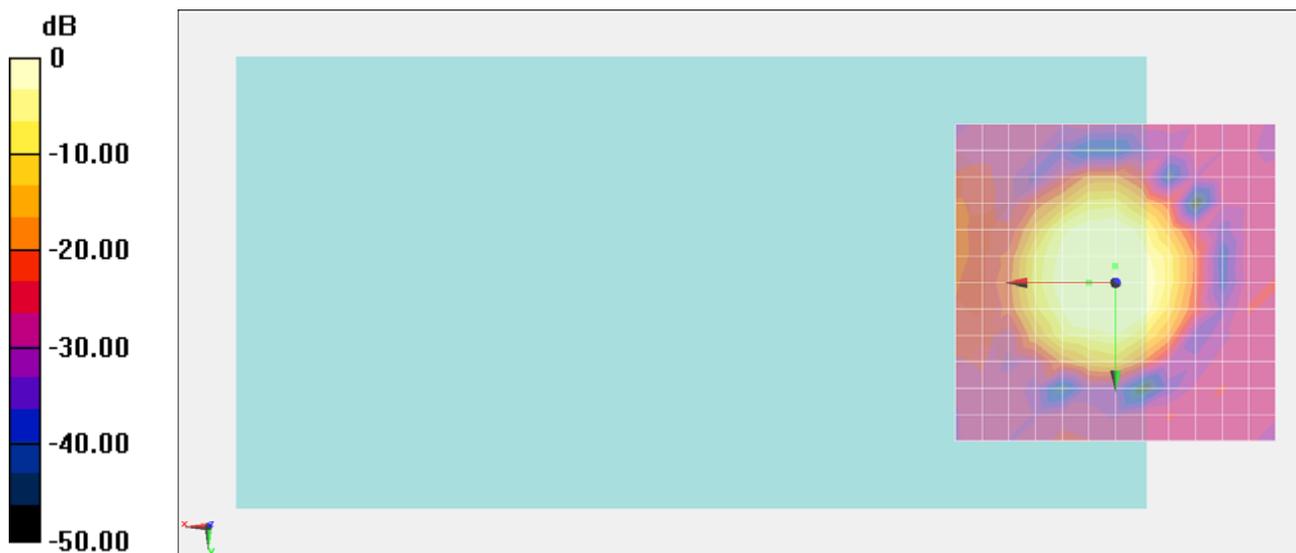
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 45.93 dB

ABM1 comp = 3.95 dB A/m

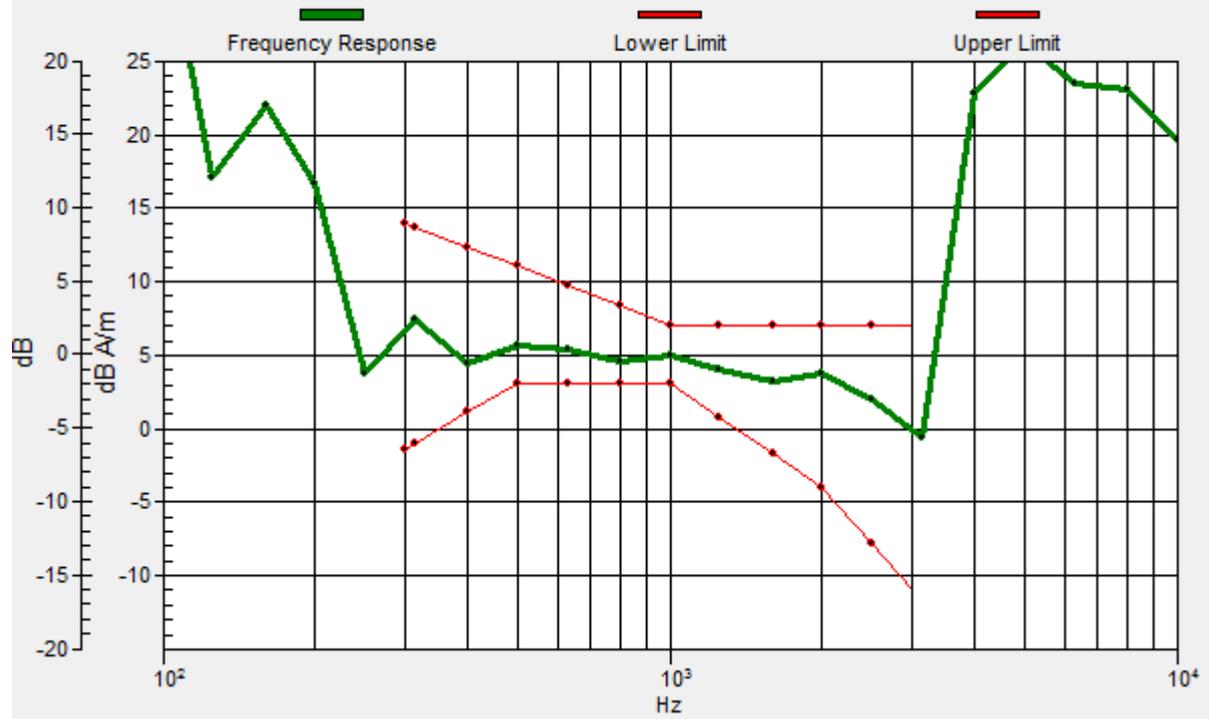
Location: 0, 0, 3.7 mm



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

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

Loc: 0.1, -2.6, 3.7 mm Diff: 1.56dB



#06 HAC_T-Coil_CDMA2000 BC10_RC1+SO3 (8kEVRC)_Ch684_Radial 2 (Y)

DUT: 2D2016

Communication System: CDMA ; Frequency: 823.1 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

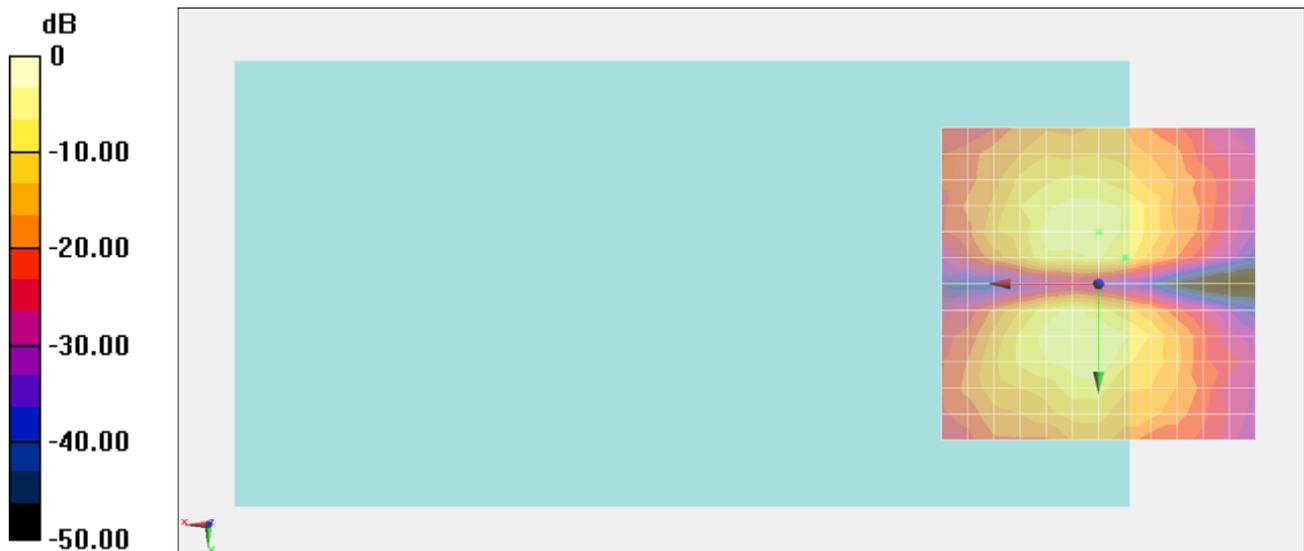
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 37.28 dB

ABM1 comp = -8.02 dB A/m

Location: -4.2, -4.2, 3.7 mm



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

#07 HAC_T-Coil_CDMA2000 BC1_RC1+SO3 (8kEVRC)_Ch25_Axial (Z)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

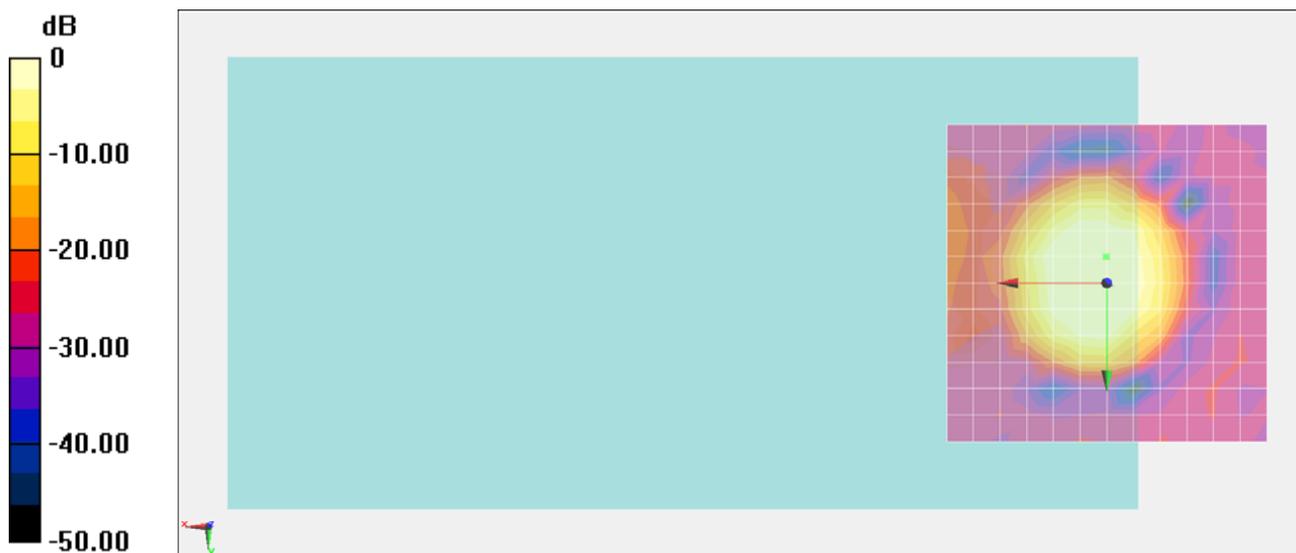
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 46.81 dB

ABM1 comp = 5.17 dB A/m

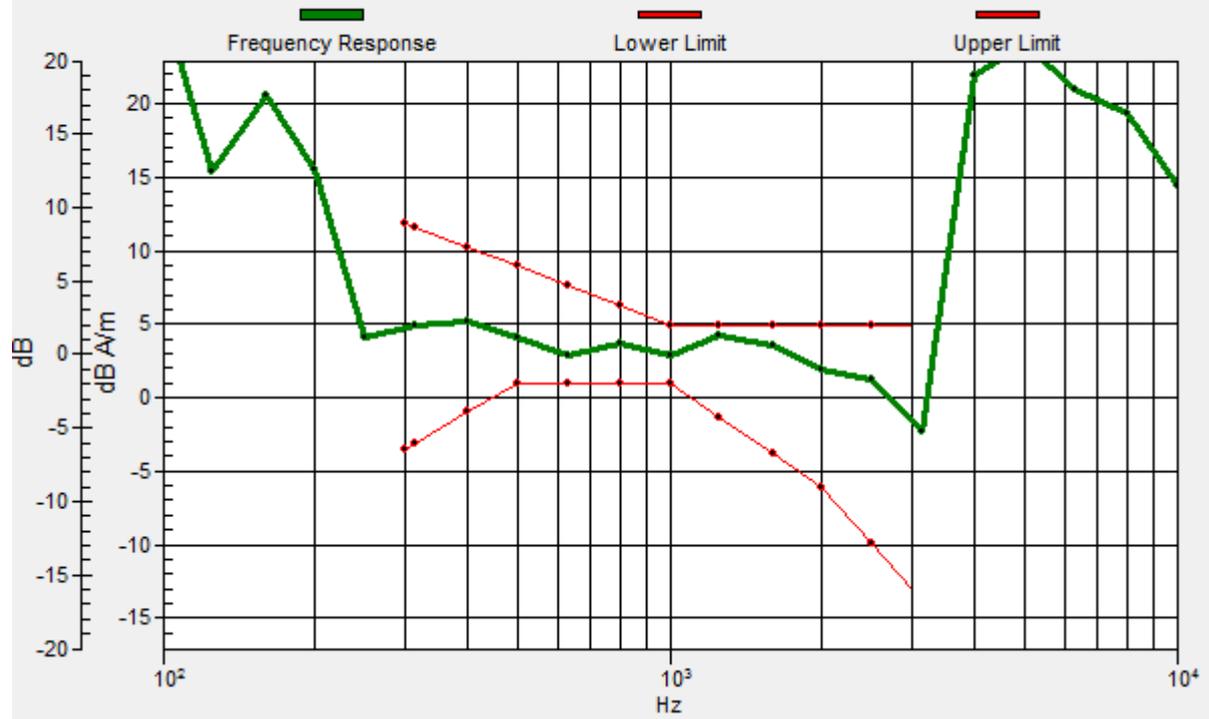
Location: 0, -4.2, 3.7 mm



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

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

Loc: 0.2, -4.1, 3.7 mm Diff: 0.64dB



#07 HAC_T-Coil_CDMA2000 BC1_RC1+SO3 (8kEVRC)_Ch25_Radial 2 (Y)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

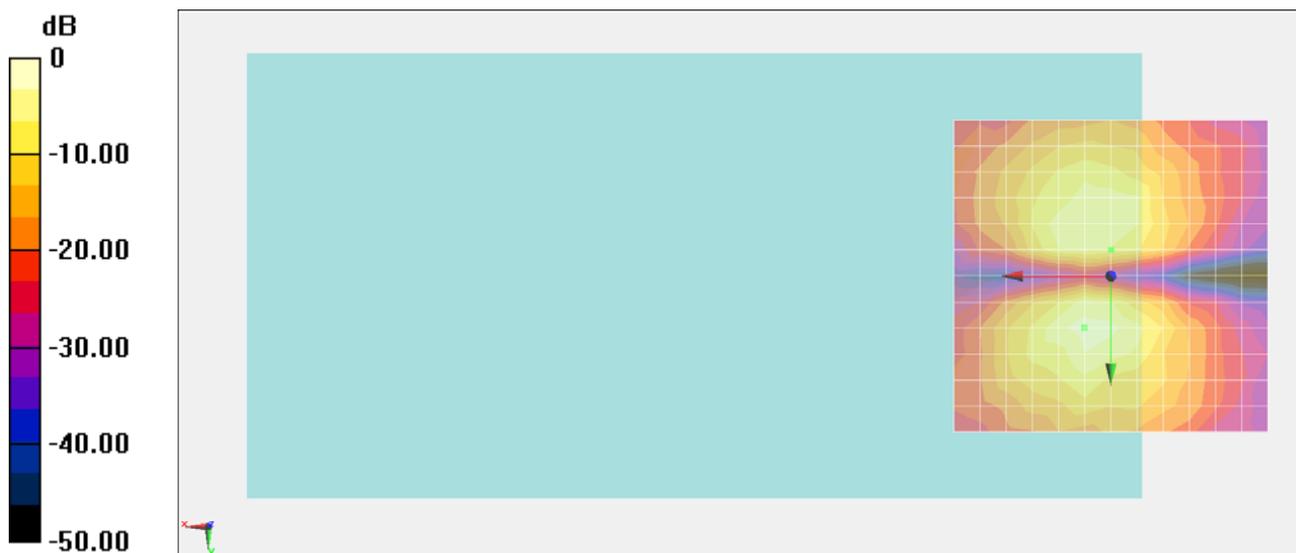
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 36.09 dB

ABM1 comp = -7.06 dB A/m

Location: 0, -4.2, 3.7 mm



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

#08 HAC_T-Coil_CDMA2000 BC1_RC1+SO3 (8kEVRC)_Ch600_Axial (Z)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

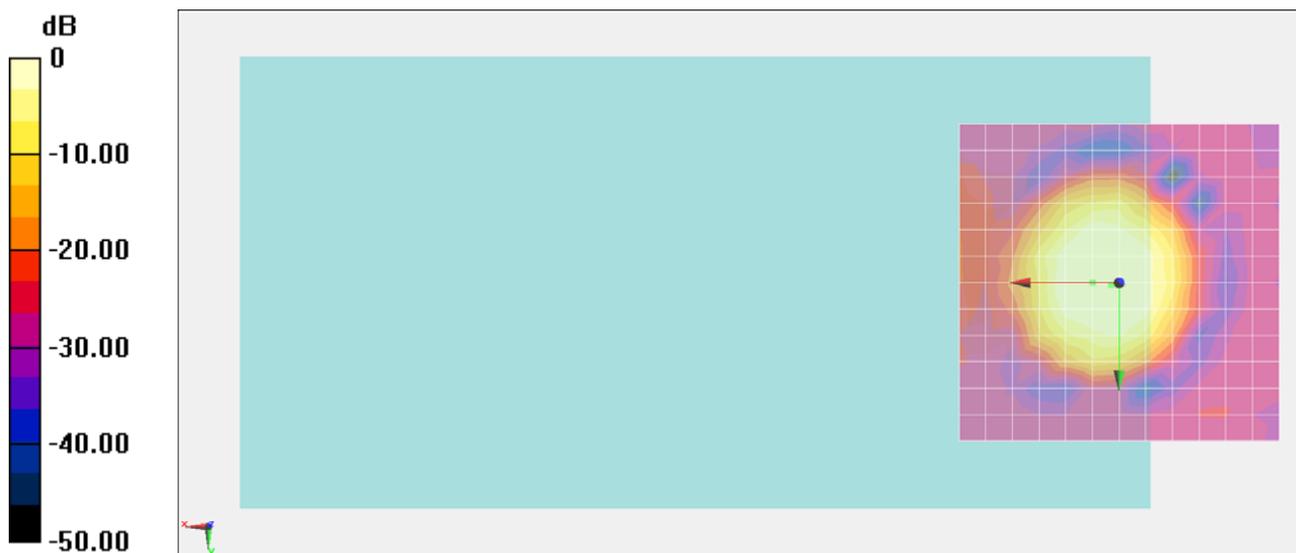
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 46.35 dB

ABM1 comp = 4.09 dB A/m

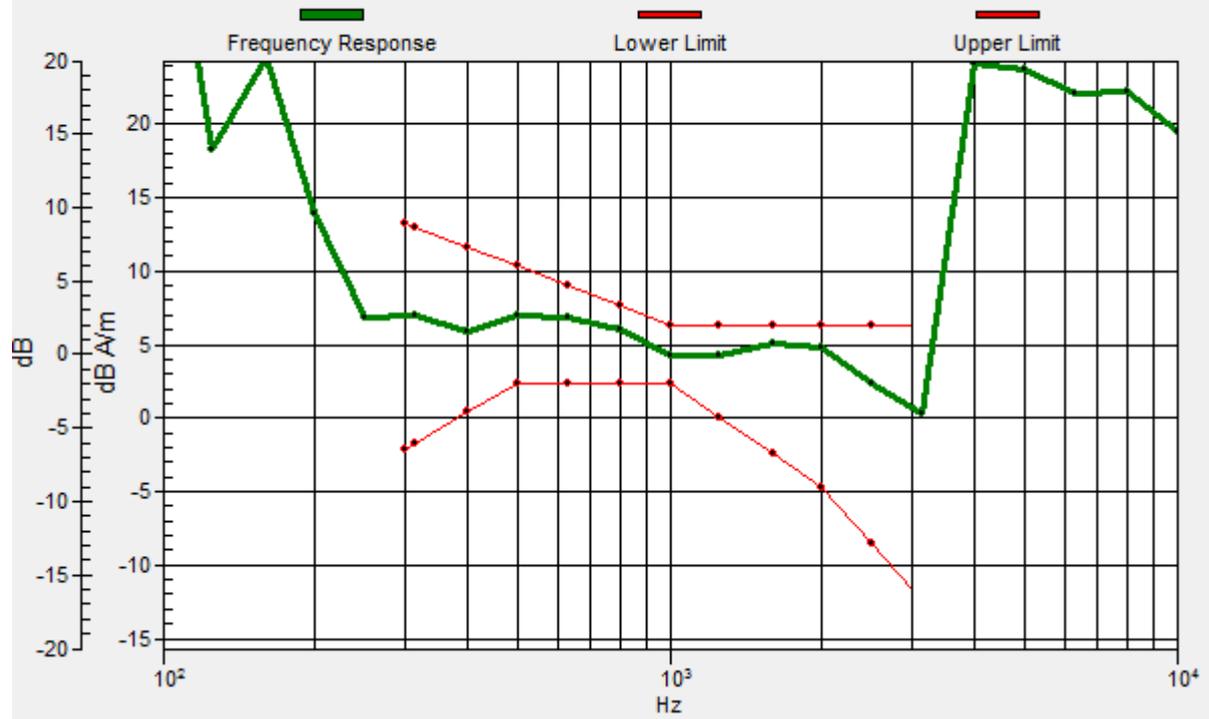
Location: 0, 0, 3.7 mm



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

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

Loc: 1.3, 0.4, 3.7 mm Diff: 1.26dB



#08 HAC_T-Coil_CDMA2000 BC1_RC1+SO3 (8kEVRC)_Ch600_Radial 2 (Y)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

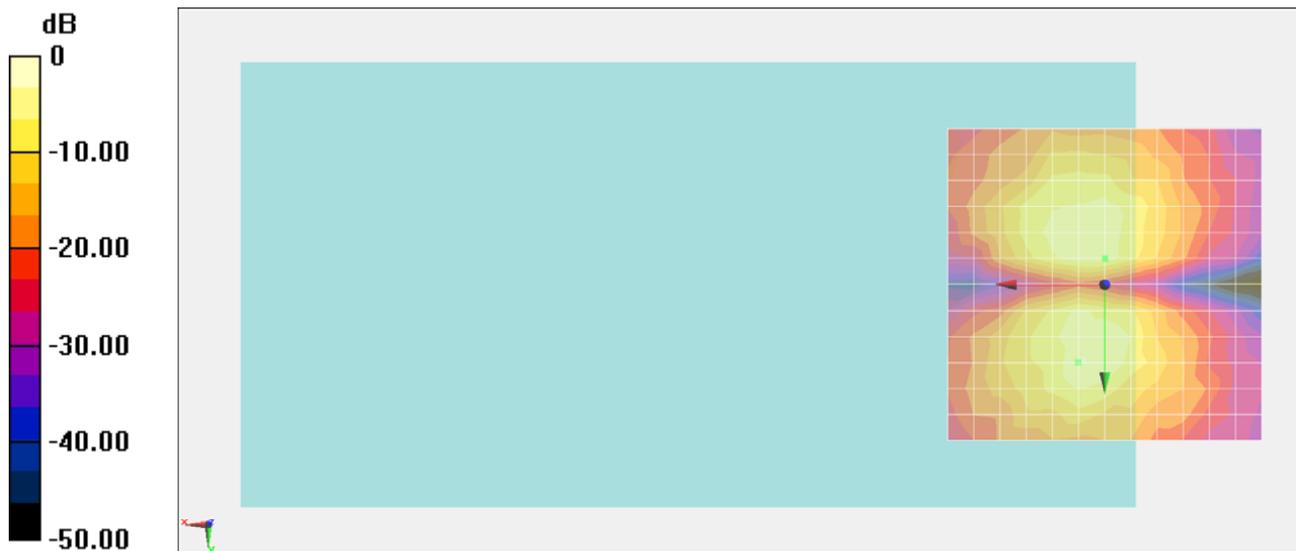
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 39.10 dB

ABM1 comp = -4.36 dB A/m

Location: 0, -4.2, 3.7 mm



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

#09 HAC_T-Coil_CDMA2000 BC1_RC1+SO3 (8kEVRC)_Ch1175_Axial (Z)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

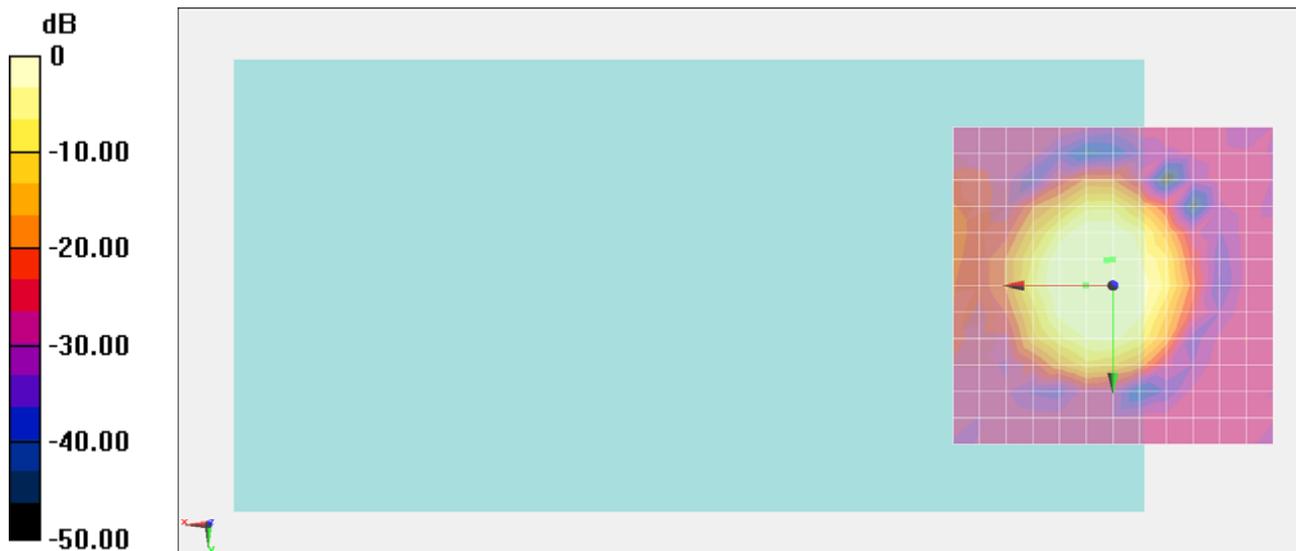
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 46.50 dB

ABM1 comp = 4.42 dB A/m

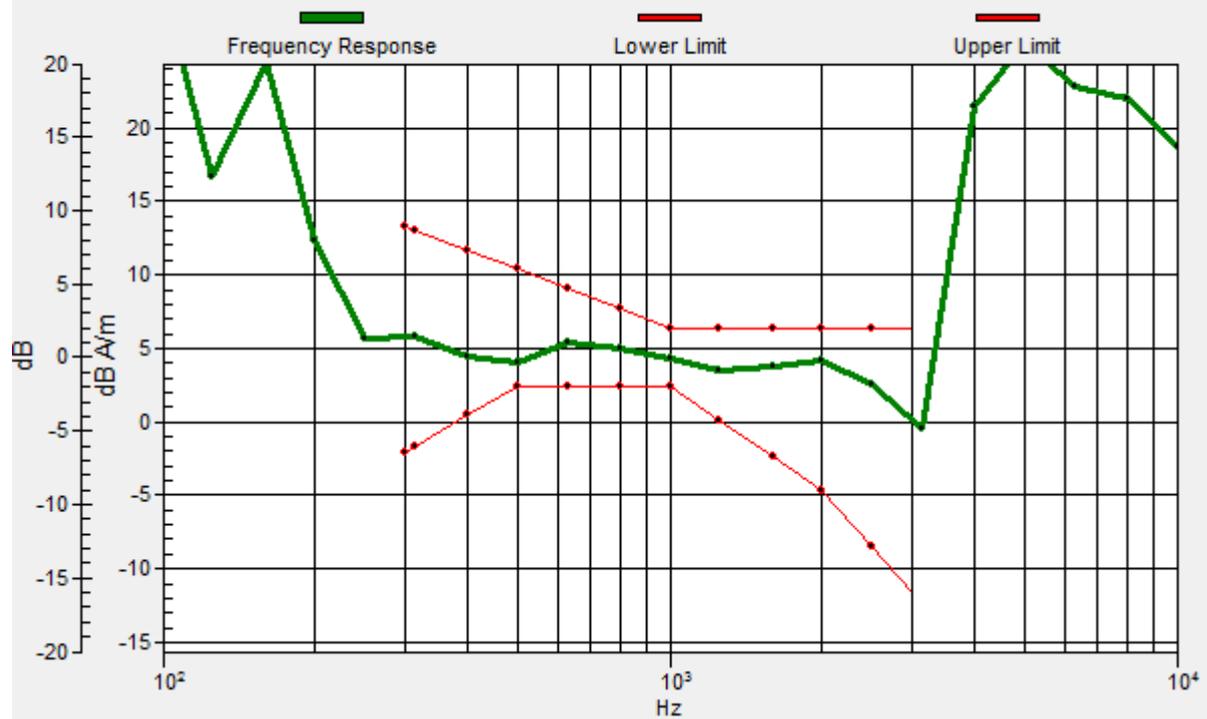
Location: 0, -4.2, 3.7 mm



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

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

Loc: 1, -4, 3.7 mm Diff: 1.64dB



#09 HAC_T-Coil_CDMA2000 BC1_RC1+SO3 (8kEVRC)_Ch1175_Radial 2 (Y)

DUT: 2D2016

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

Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 22.4 °C

DASY5 Configuration:

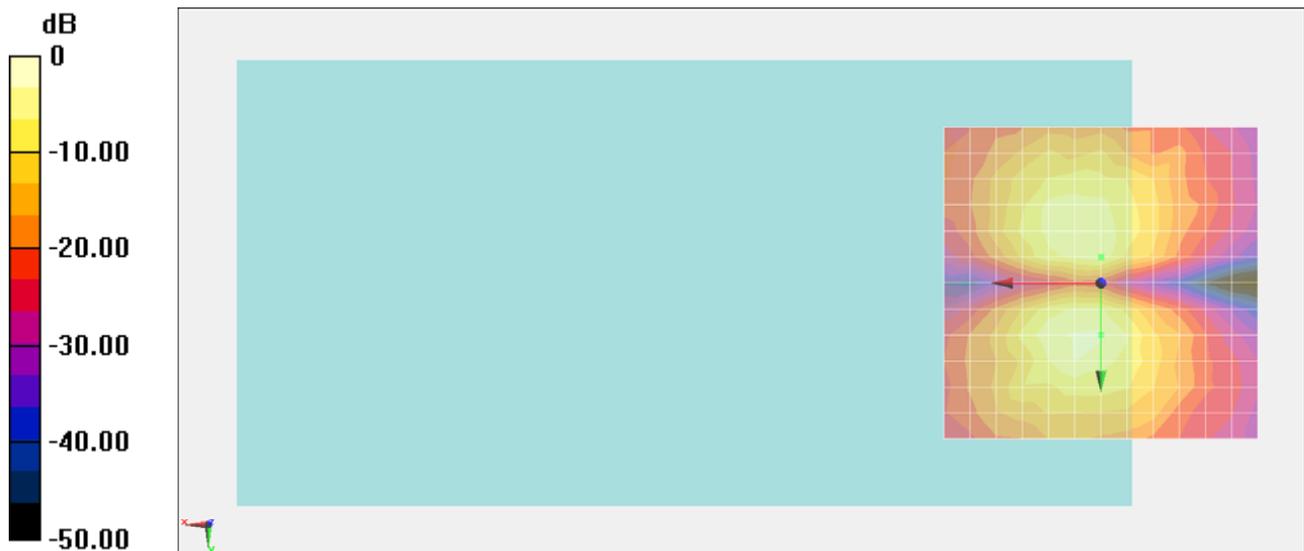
- Probe: AM1DV2 - 1030; ; Calibrated: 2012/4/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn910; Calibrated: 2012/12/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.5 (6469)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

ABM1/ABM2 = 39.38 dB

ABM1 comp = -4.30 dB A/m

Location: 0, -4.2, 3.7 mm



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