

**#01\_HAC\_T-Coil\_GSM850\_Voice\_Ch128\_Axial (Z)**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

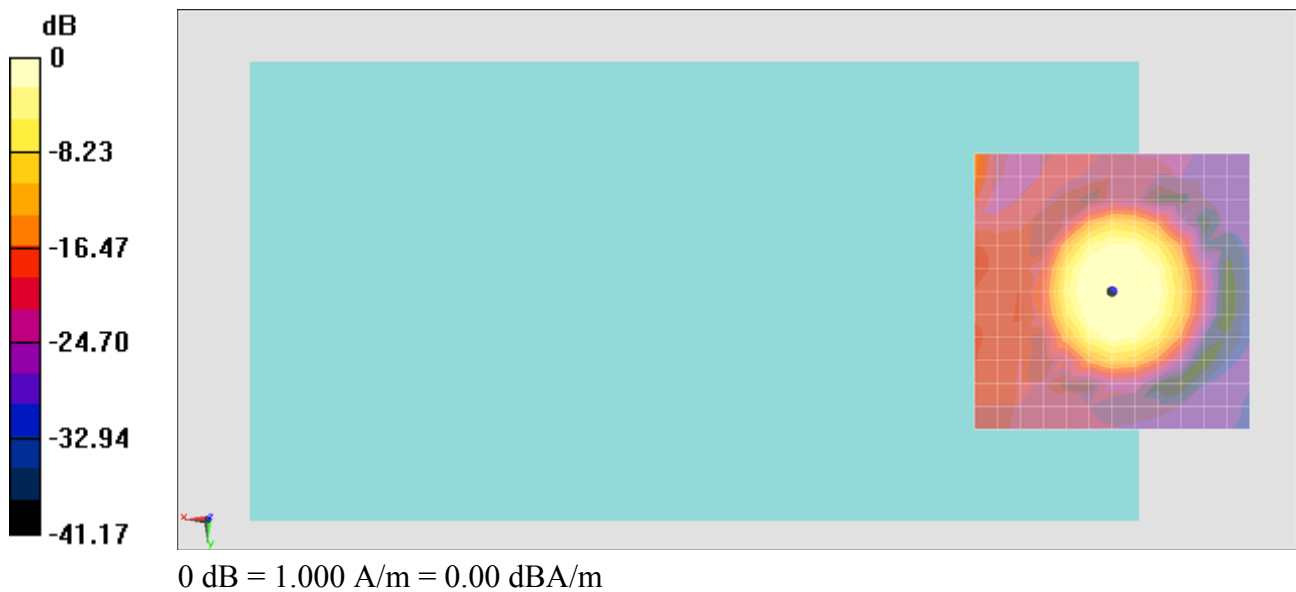
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 28.21 dB

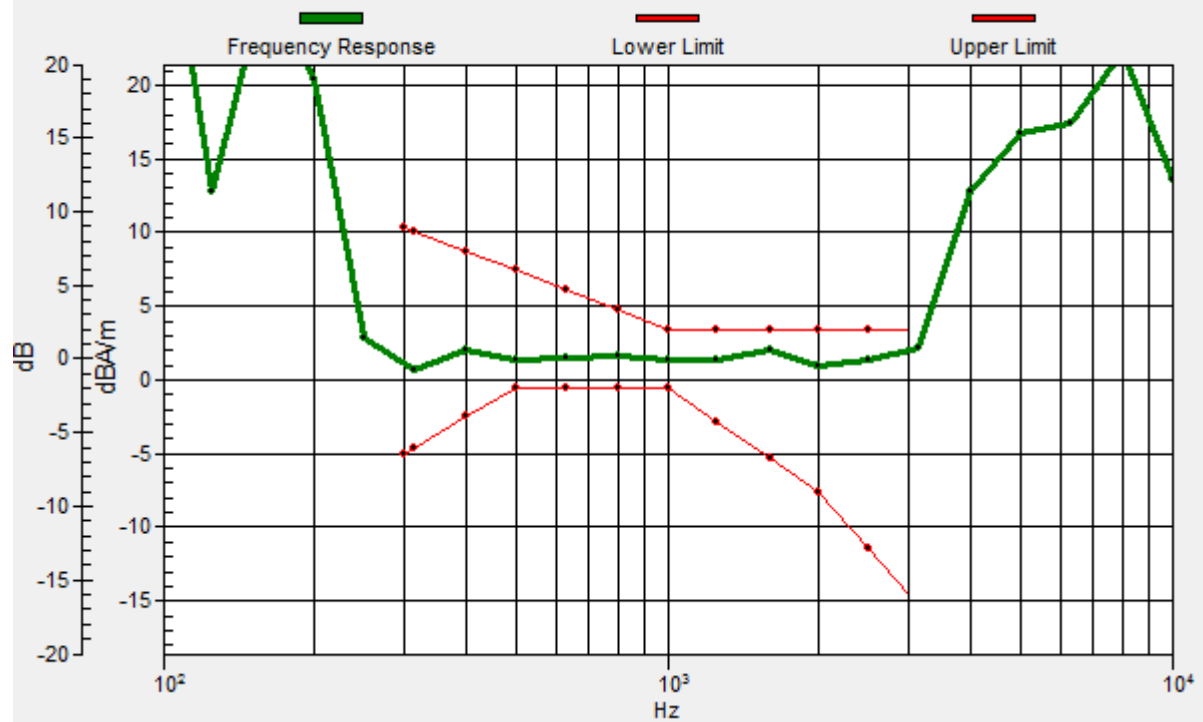
ABM1 comp = 6.24 dBA/m

Location: 0, 0, 3.7 mm



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

Loc: 0, 0, 3.7 mm Diff: 1.39dB



**#01\_HAC\_T-Coil\_GSM850\_Voice\_Ch128\_Radial 1 (X)**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

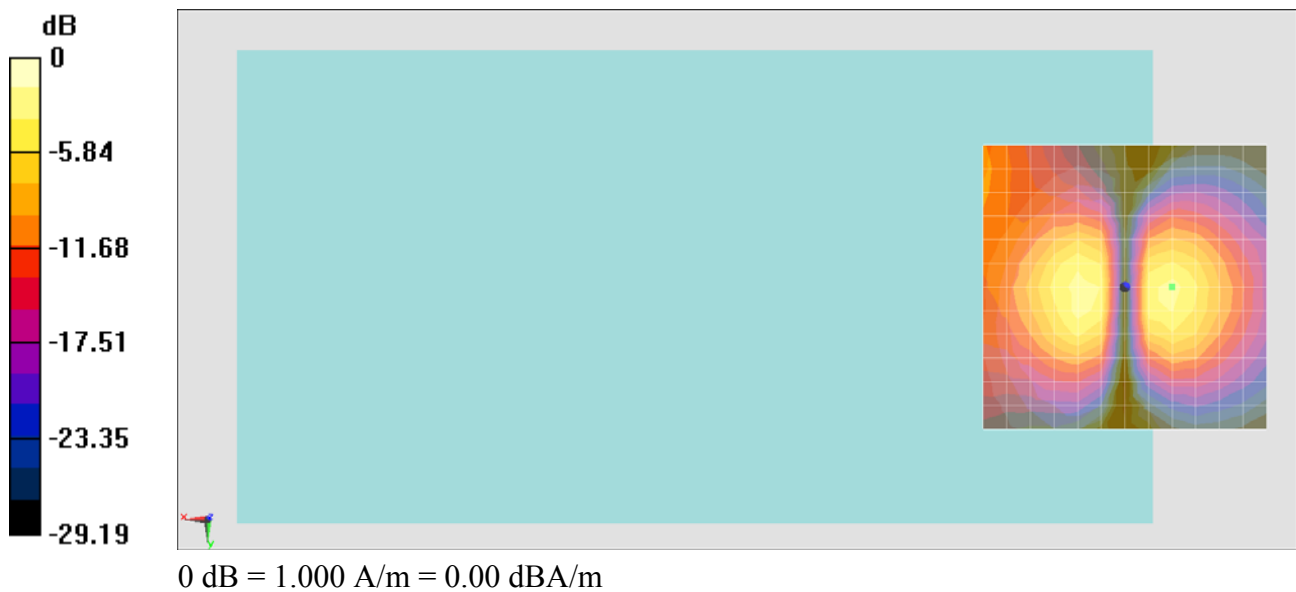
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 20.97 dB

ABM1 = -2.96 dBA/m

Location: -8.3, 0, 3.7 mm



**#01\_HAC\_T-Coil\_GSM850\_Voice\_Ch128\_Radial 2 (Y)**

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

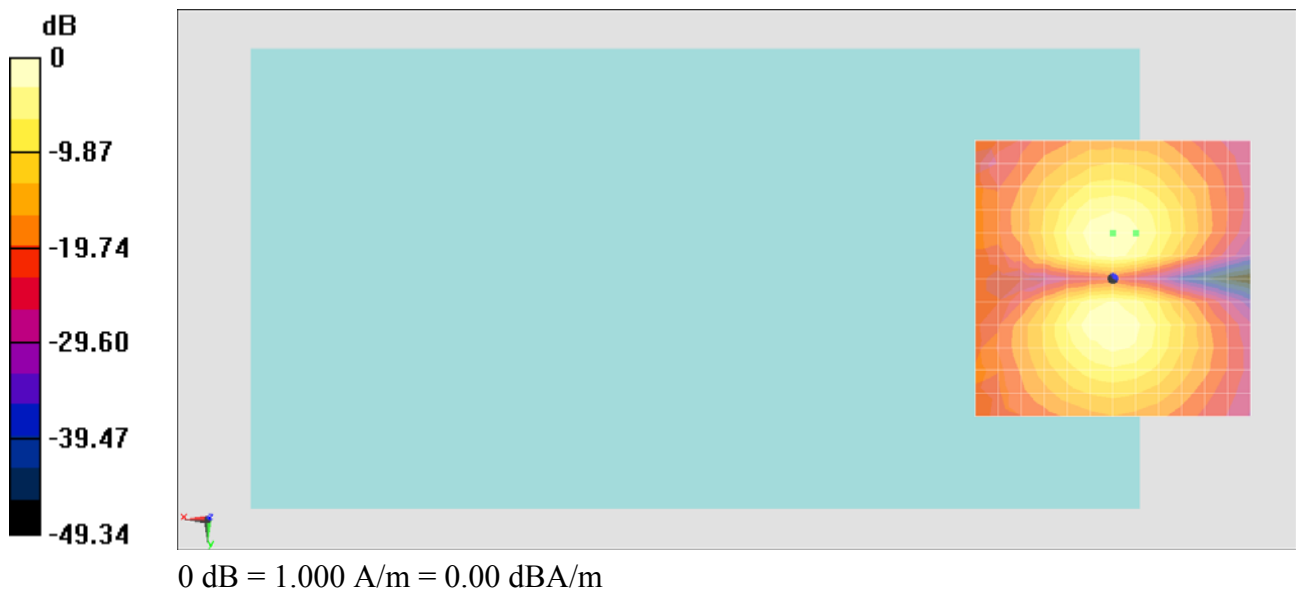
**General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement**

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 36.21 dB

ABM1 comp = -2.68 dBA/m

Location: -4.2, -8.3, 3.7 mm



**#02\_HAC\_T-Coil\_GSM850\_Voice\_Ch189\_Axial (Z)**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

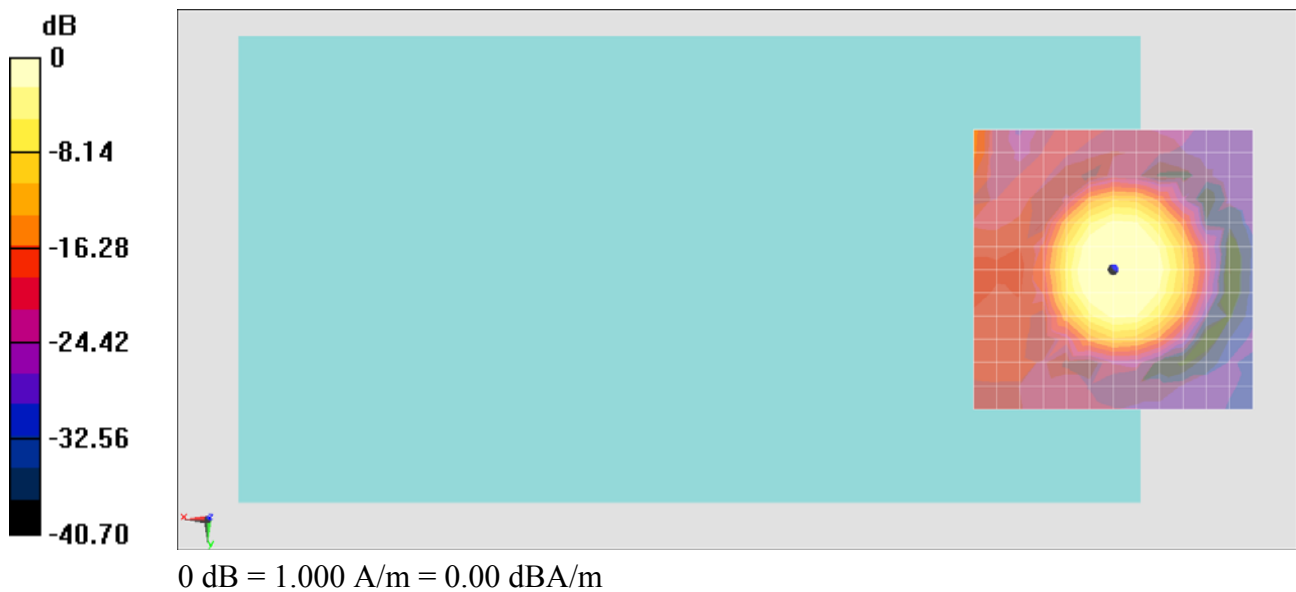
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 27.54 dB

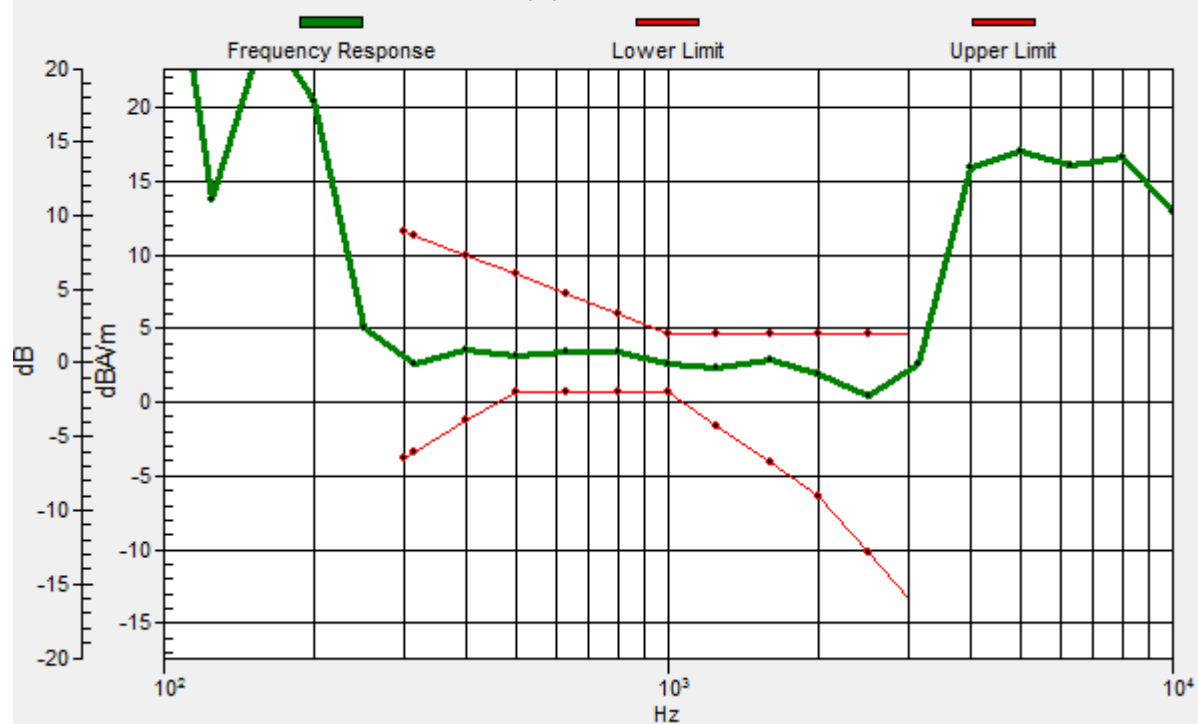
ABM1 comp = 5.97 dBA/m

Location: 0, 0, 3.7 mm



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

Loc: 0, 0, 3.7 mm Diff: 1.81dB



**#02\_HAC\_T-Coil\_GSM850\_Voice\_Ch189\_Radial 1 (X)**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

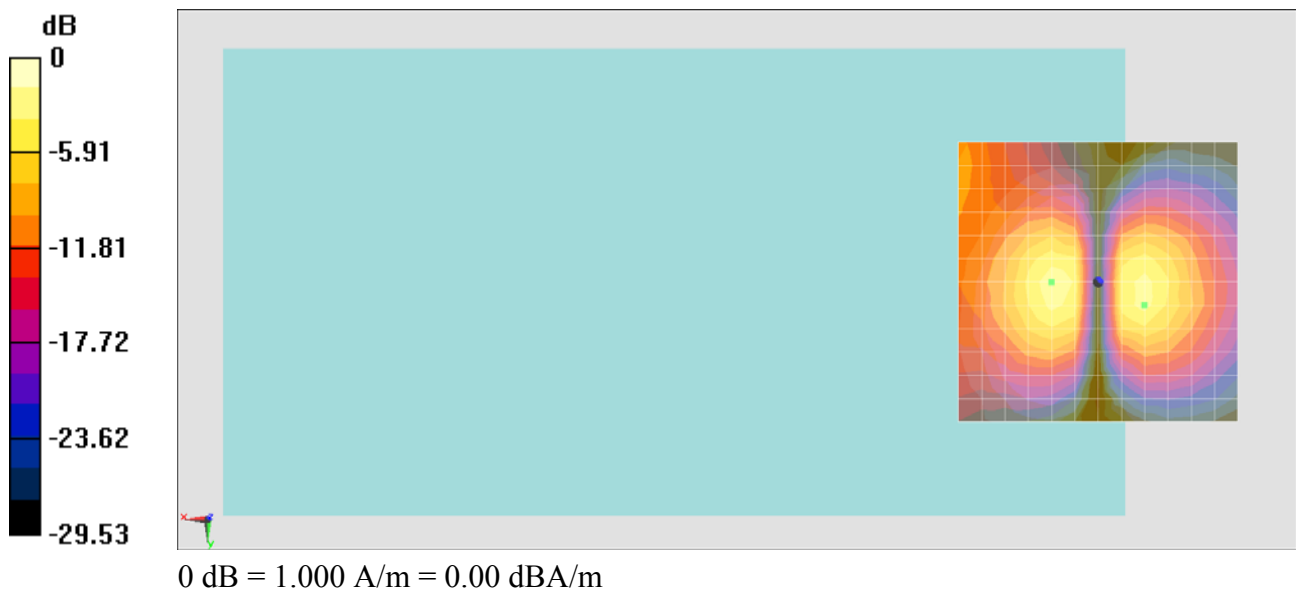
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 21.20 dB

ABM1 = -3.05 dBA/m

Location: -8.3, 4.2, 3.7 mm



**#02\_HAC\_T-Coil\_GSM850\_Voice\_Ch189\_Radial 2 (Y)**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

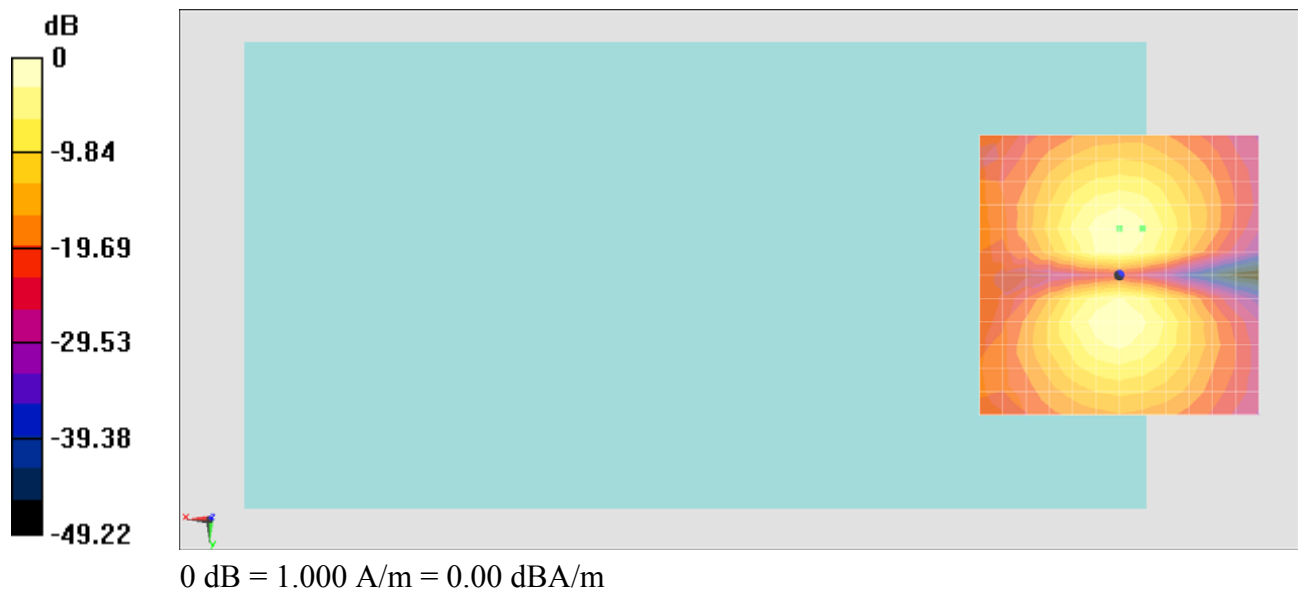
**General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement**

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 36.60 dB

ABM1 comp = -2.46 dBA/m

Location: -4.2, -8.3, 3.7 mm



**#03\_HAC\_T-Coil\_GSM850\_Voice\_Ch251\_Axial (Z)**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

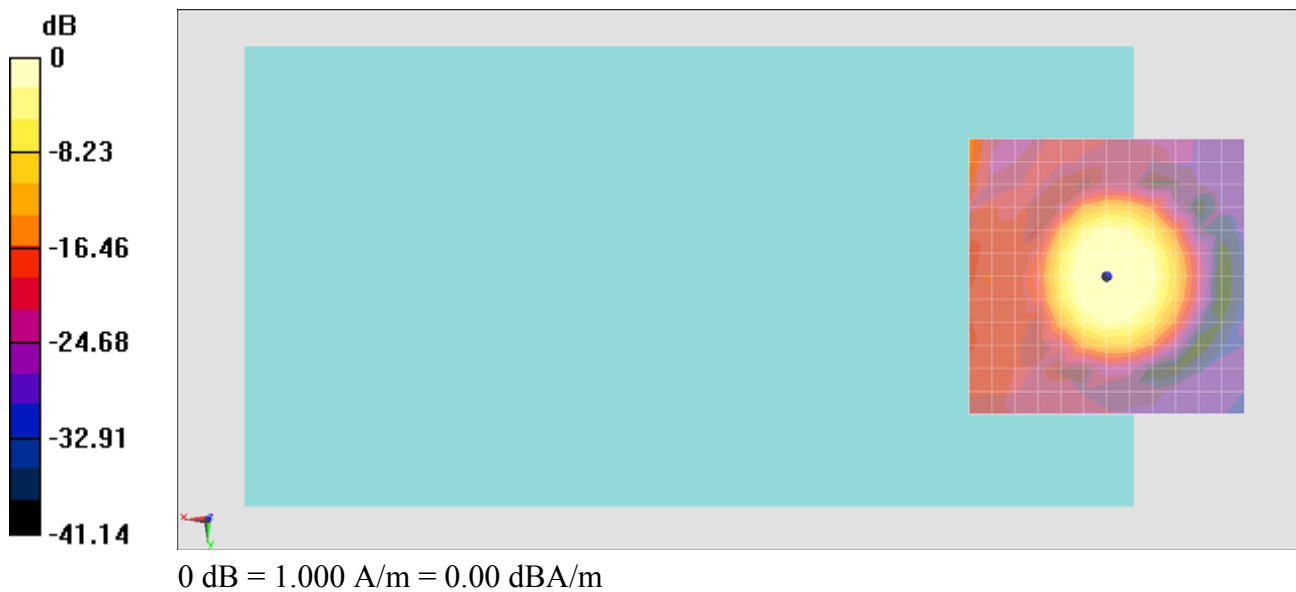
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 28.11 dB

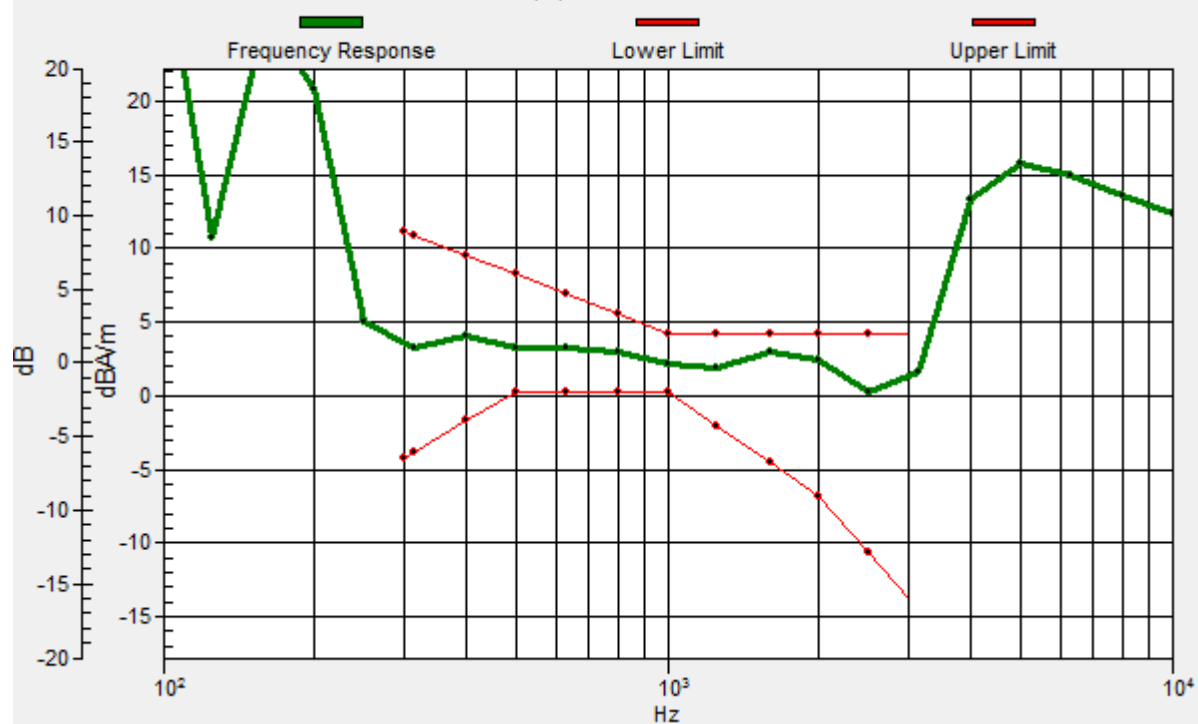
ABM1 comp = 6.29 dBA/m

Location: 0, 0, 3.7 mm



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

Loc: 0, 0, 3.7 mm Diff: 1.3dB



**#03\_HAC\_T-Coil\_GSM850\_Voice\_Ch251\_Radial 1 (X)**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

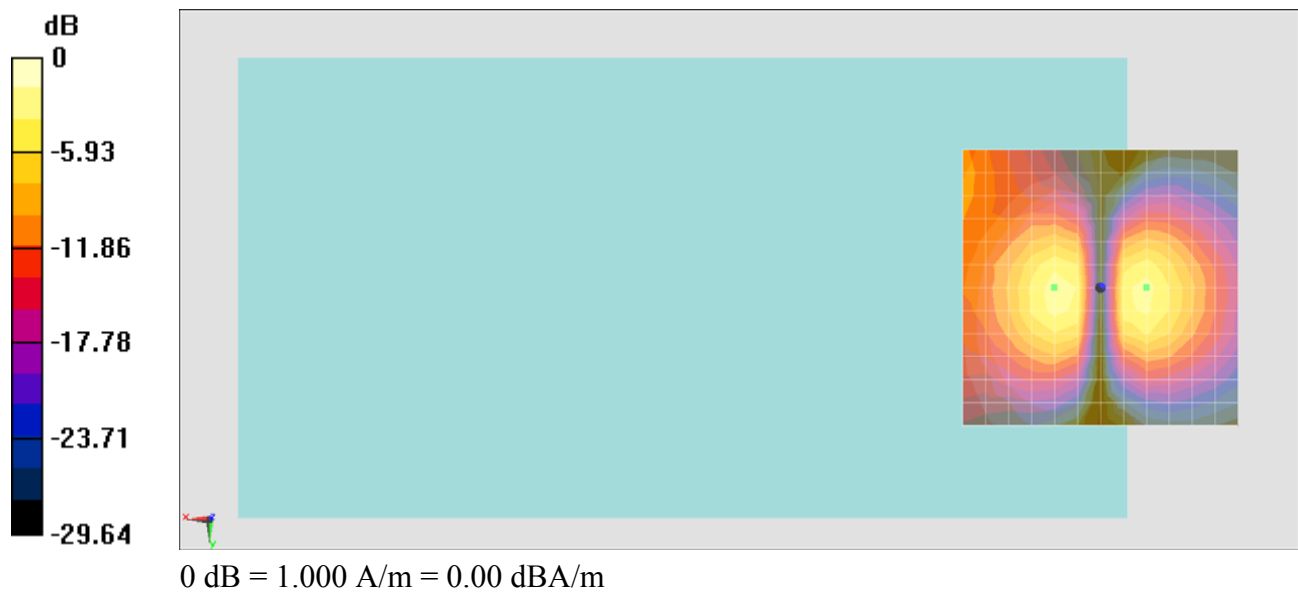
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 21.01 dB

ABM1 = -2.98 dBA/m

Location: -8.3, 0, 3.7 mm



**#03\_HAC\_T-Coil\_GSM850\_Voice\_Ch251\_Radial 2 (Y)**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

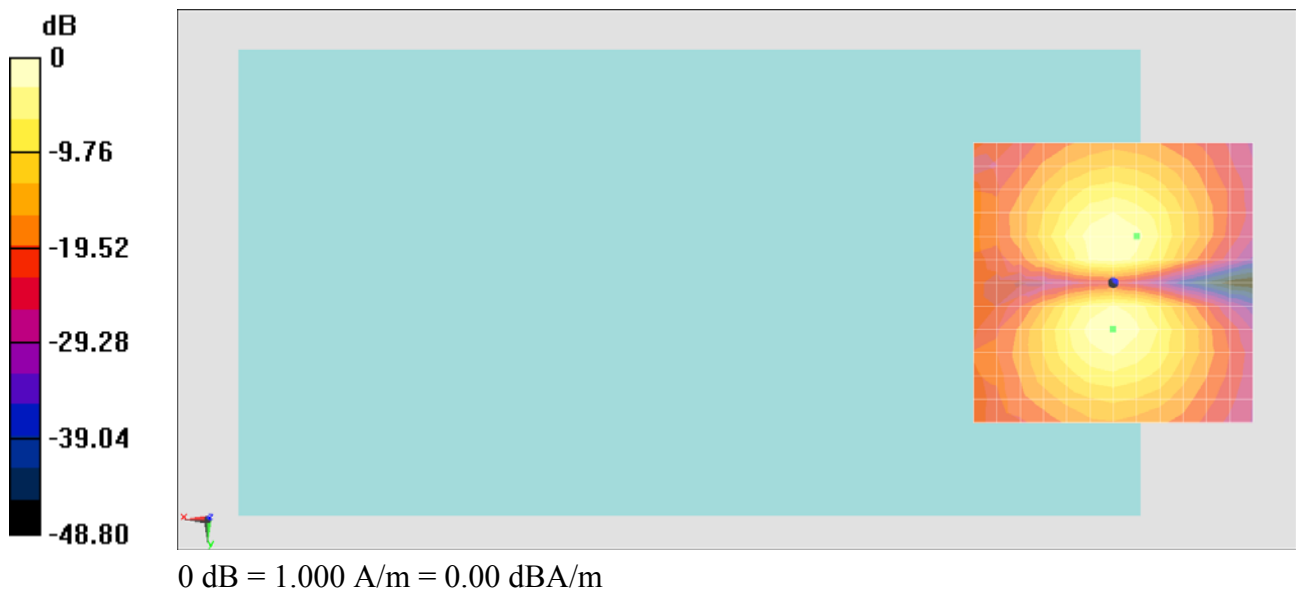
**General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement**

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.90 dB

ABM1 comp = -2.01 dBA/m

Location: -4.2, -8.3, 3.7 mm



**#04\_HAC\_T-Coil\_GSM1900\_Voice\_Ch512\_Axial (Z)**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

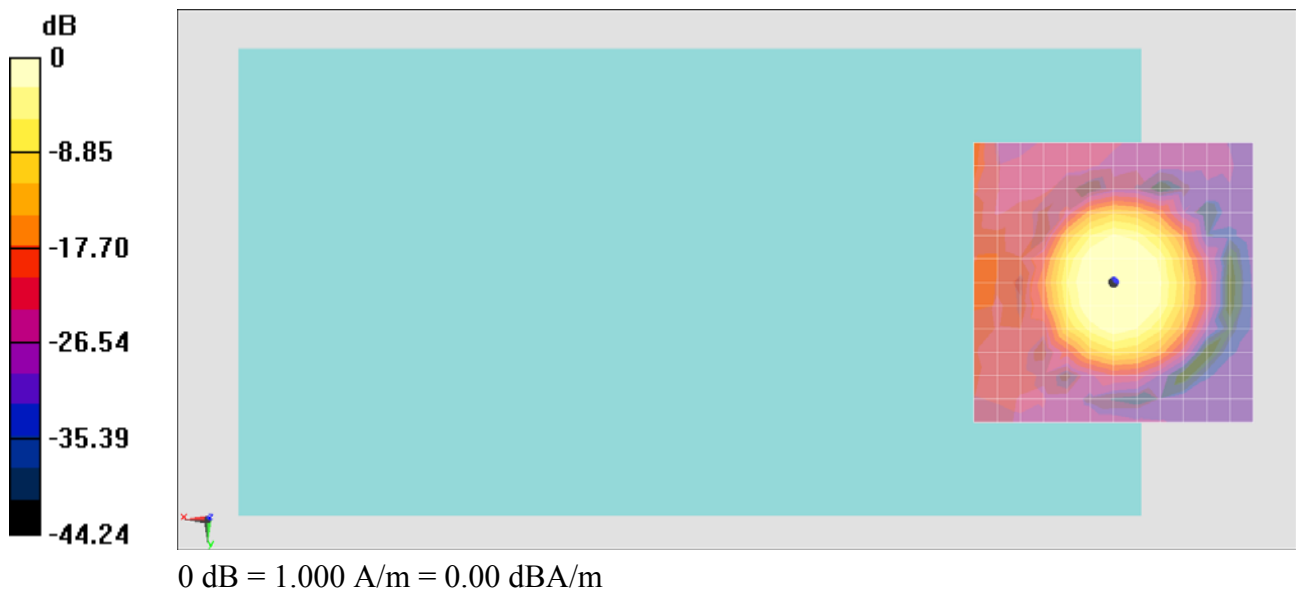
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 31.22 dB

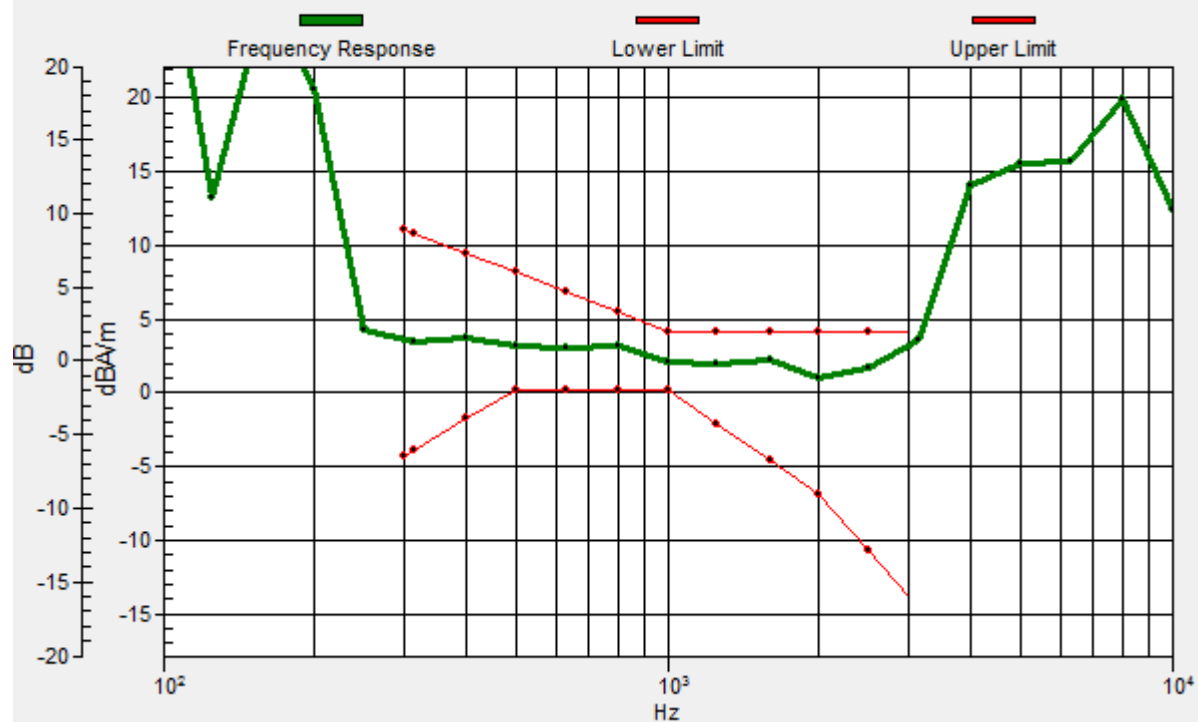
ABM1 comp = 5.63 dBA/m

Location: 0, 0, 3.7 mm



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

Loc: 0, 0, 3.7 mm Diff: 1.02dB



**#04\_HAC\_T-Coil\_GSM1900\_Voice\_Ch512\_Radial 1 (X)**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

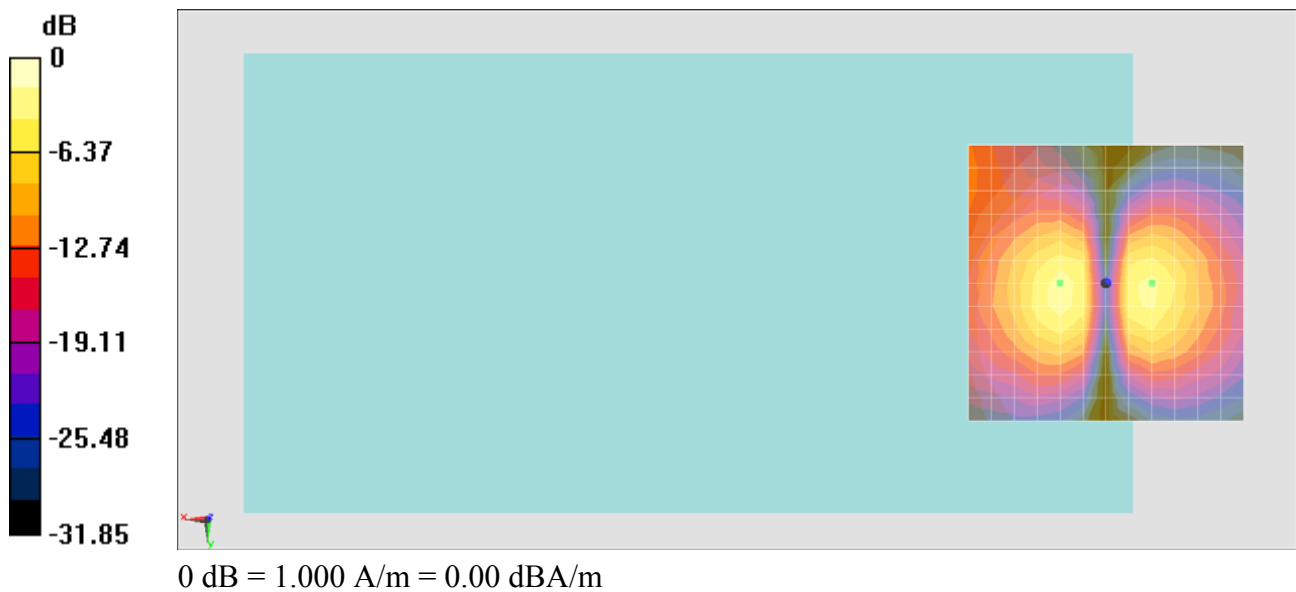
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 23.79 dB

ABM1 = -3.34 dBA/m

Location: -8.3, 0, 3.7 mm



**#04\_HAC\_T-Coil\_GSM1900\_Voice\_Ch512\_Radial 2 (Y)**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

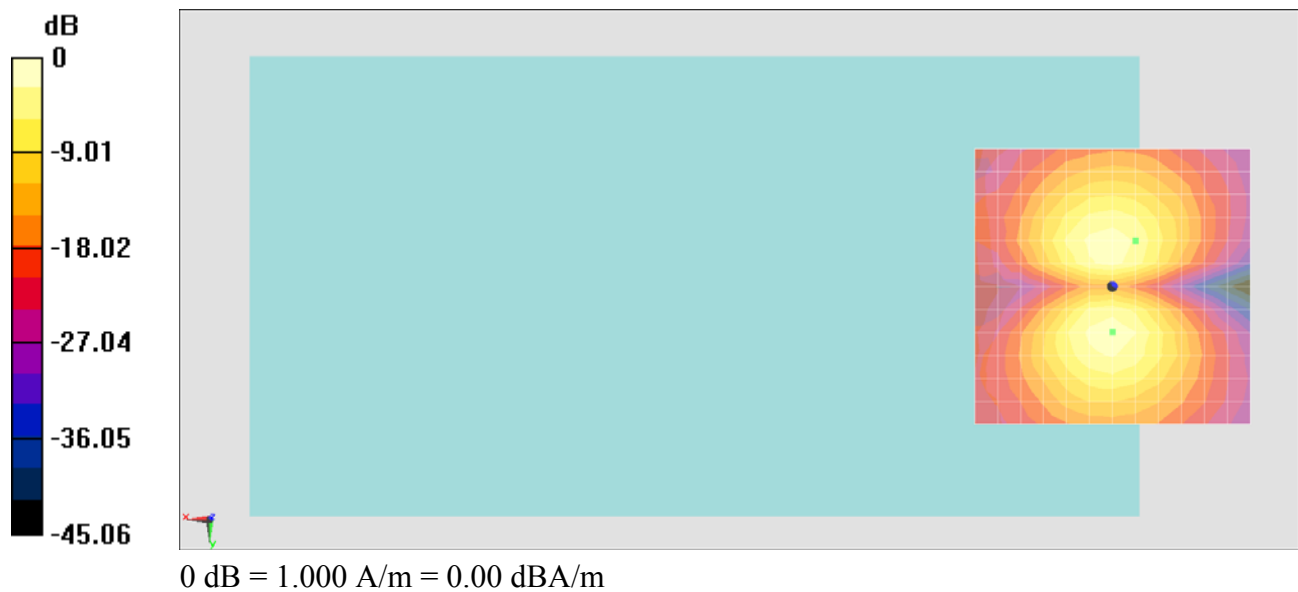
**General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement**

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.44 dB

ABM1 comp = -3.31 dBA/m

Location: -4.2, -8.3, 3.7 mm



**#05\_HAC\_T-Coil\_GSM1900\_Voice\_Ch661\_Axial (Z)**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

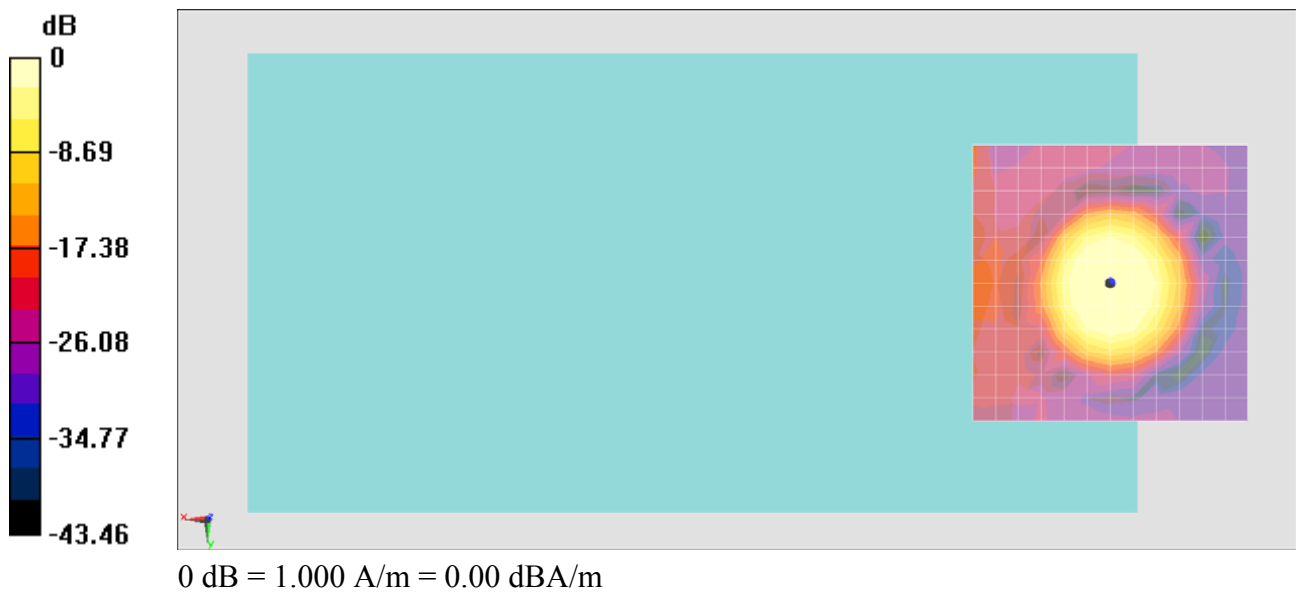
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 31.65 dB

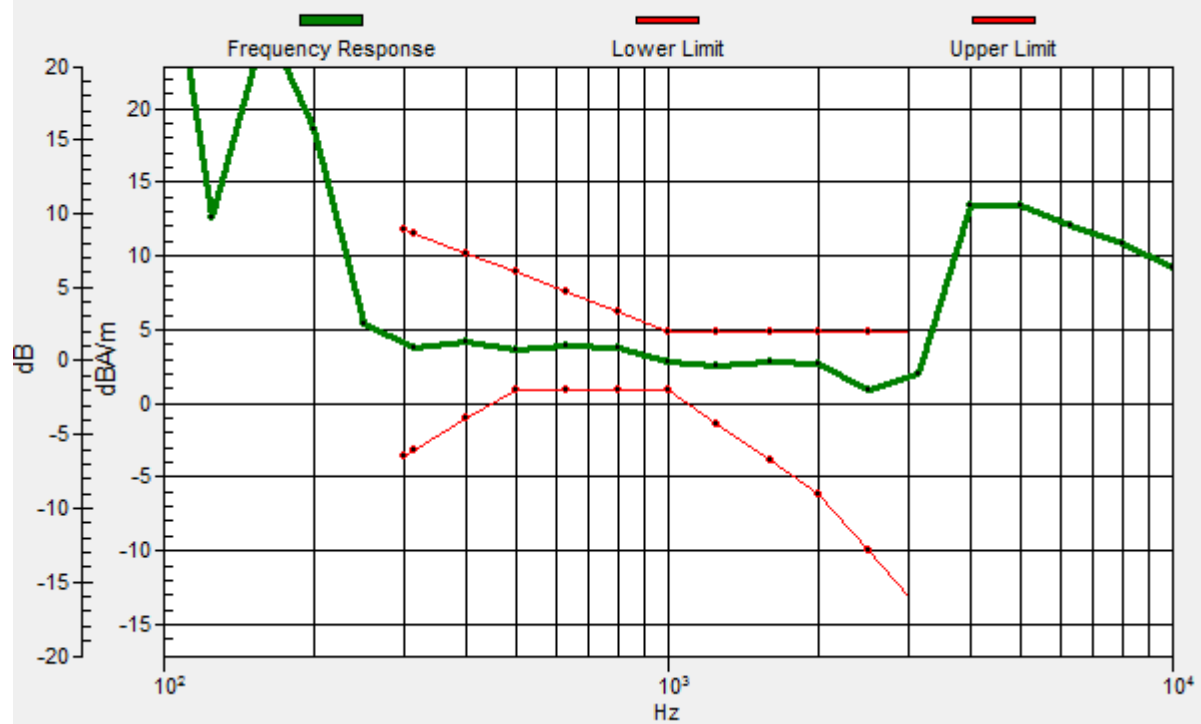
ABM1 comp = 6.17 dBA/m

Location: 0, 0, 3.7 mm



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

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



**#05\_HAC\_T-Coil\_GSM1900\_Voice\_Ch661\_Radial 1 (X)**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

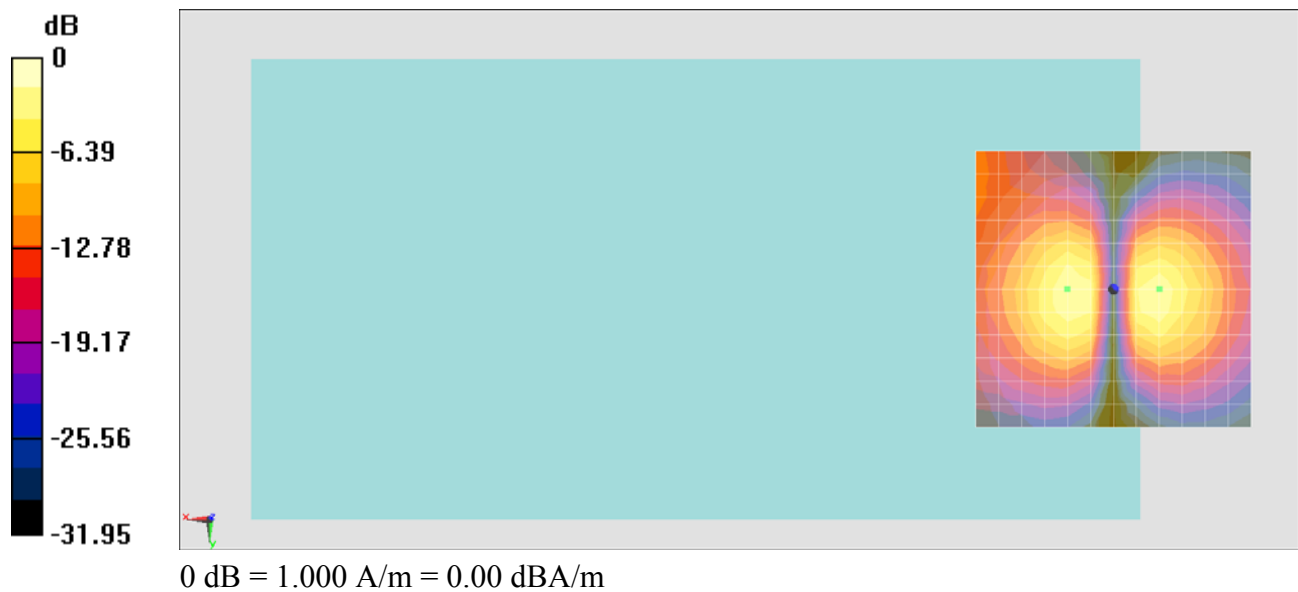
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 24.29 dB

ABM1 = -2.45 dBA/m

Location: -8.3, 0, 3.7 mm



**#05\_HAC\_T-Coil\_GSM1900\_Voice\_Ch661\_Radial 2 (Y)**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 36.47 dB

ABM1 comp = -4.92 dBA/m

Location: -4.2, -4.2, 3.7 mm



**#06\_HAC\_T-Coil\_GSM1900\_Voice\_Ch810\_Axial (Z)**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

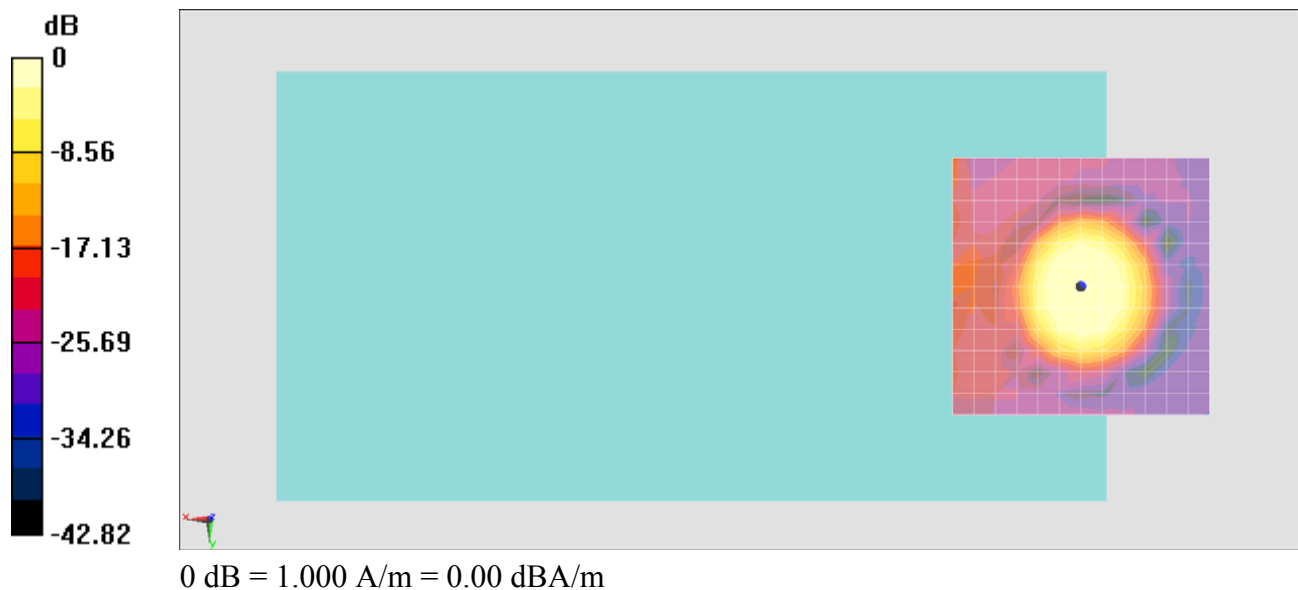
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 31.18 dB

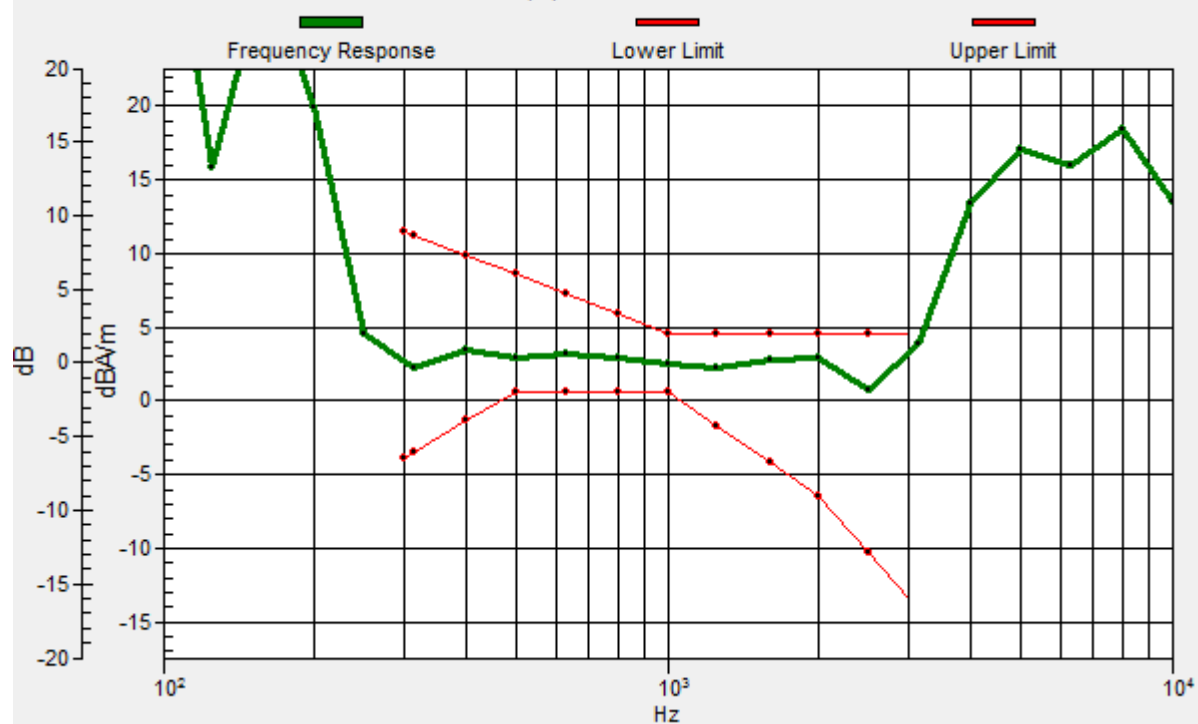
ABM1 comp = 6.28 dBA/m

Location: 0, 0, 3.7 mm



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

Loc: 0, 0, 3.7 mm Diff: 1.38dB



**#06\_HAC\_T-Coil\_GSM1900\_Voice\_Ch810\_Radial 1 (X)**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

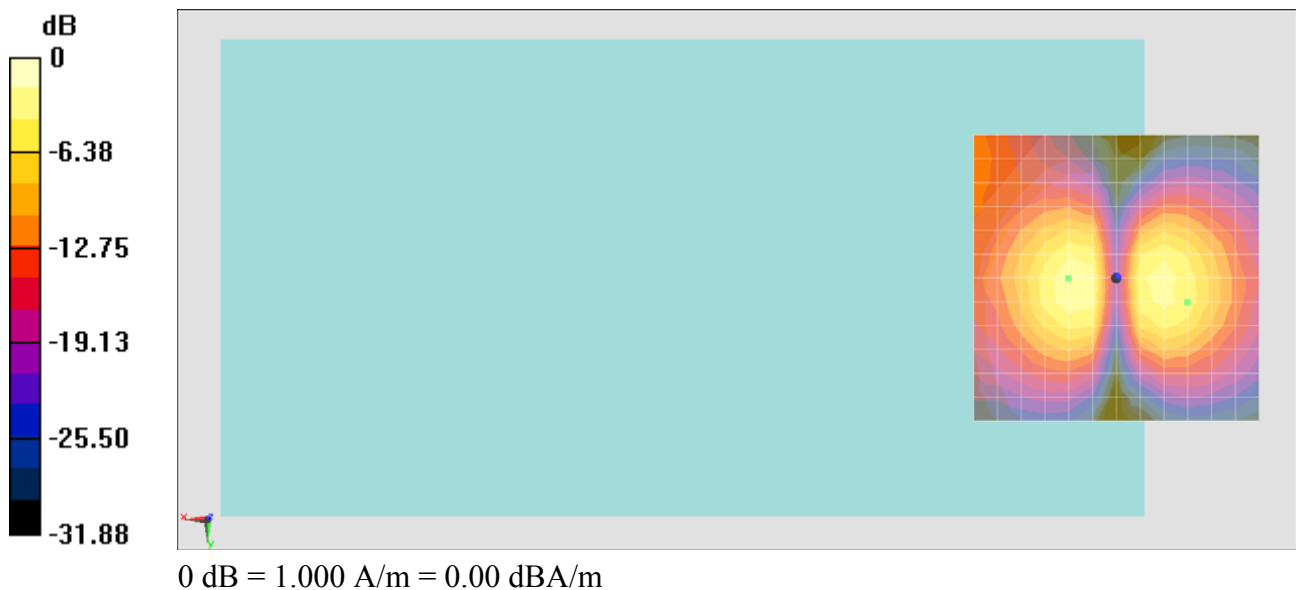
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 24.70 dB

ABM1 = -4.92 dBA/m

Location: -12.5, 4.2, 3.7 mm



**#06\_HAC\_T-Coil\_GSM1900\_Voice\_Ch810\_Radial 2 (Y)**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

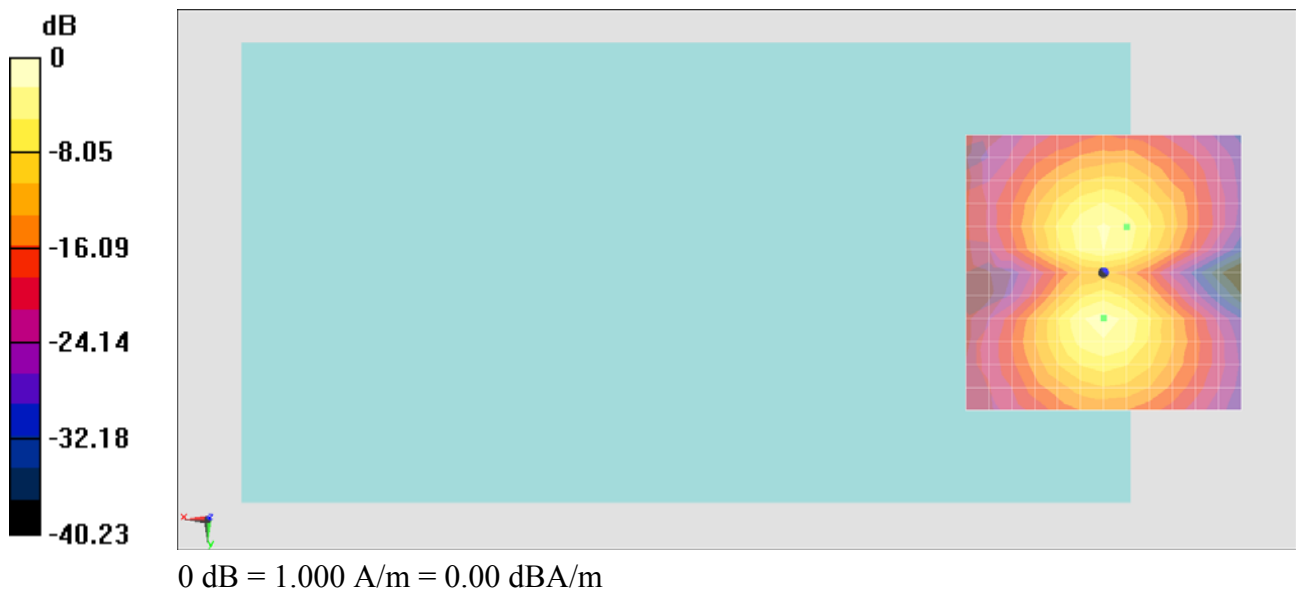
**General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement**

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.38 dB

ABM1 comp = -3.73 dBA/m

Location: -4.2, -8.3, 3.7 mm



**#07\_HAC\_T-Coil\_WCDMA V\_AMR12.2Kbps\_Ch4132\_Axial (Z)**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

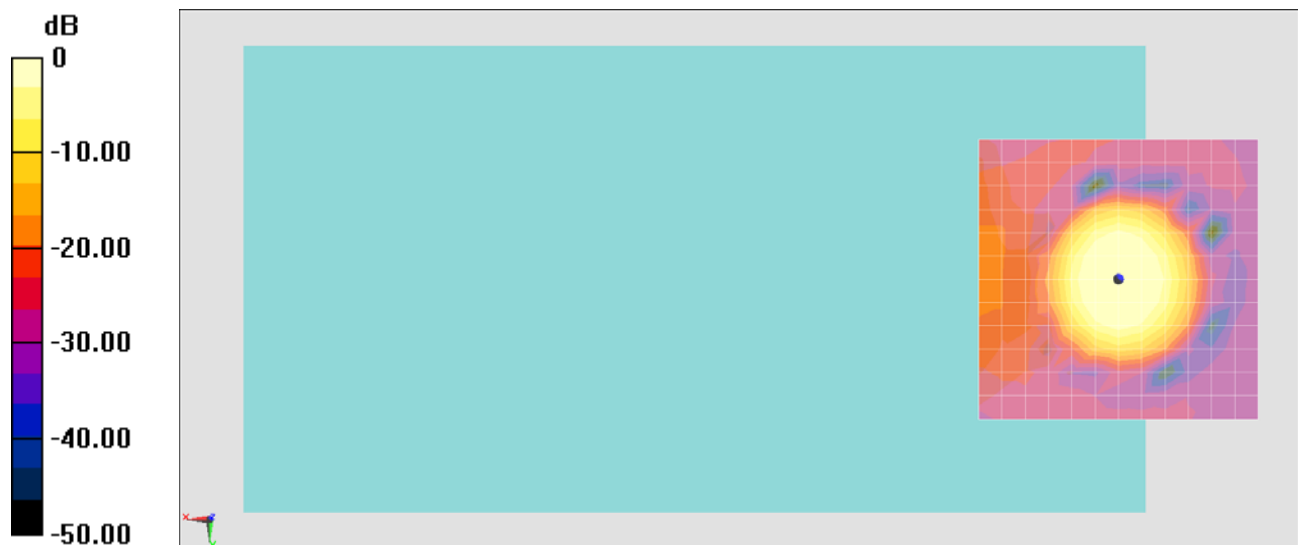
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 45.11 dB

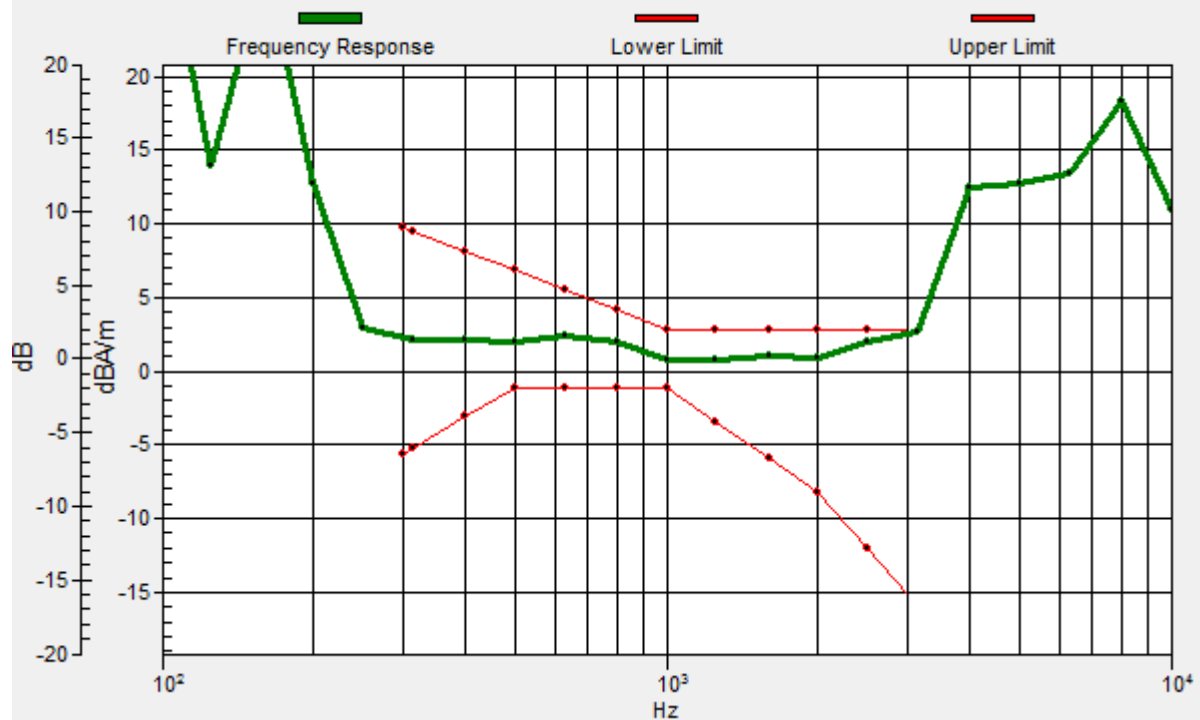
ABM1 comp = 6.19 dBA/m

Location: 0, 0, 3.7 mm



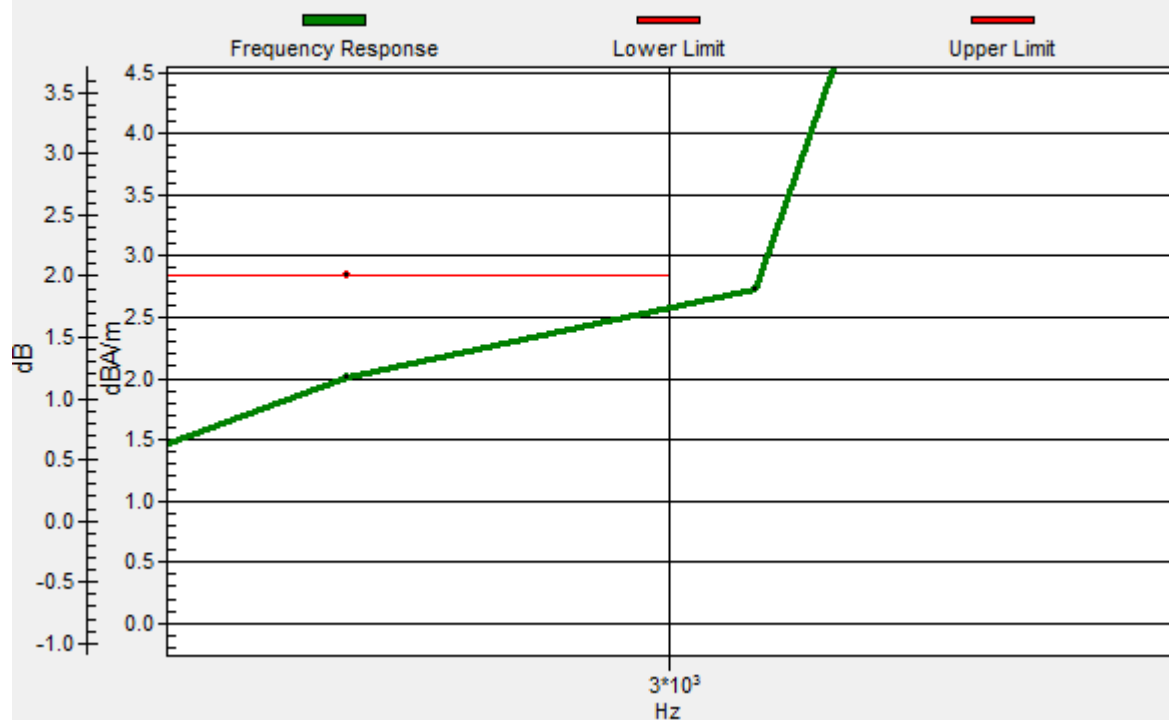
# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 0, 3.7 mm Diff: 0.28dB



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

Loc: 0, 0, 3.7 mm Diff: 0.28dB



**#07\_HAC\_T-Coil\_WCDMA V\_AMR12.2Kbps\_Ch4132\_Radial 1 (X)**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

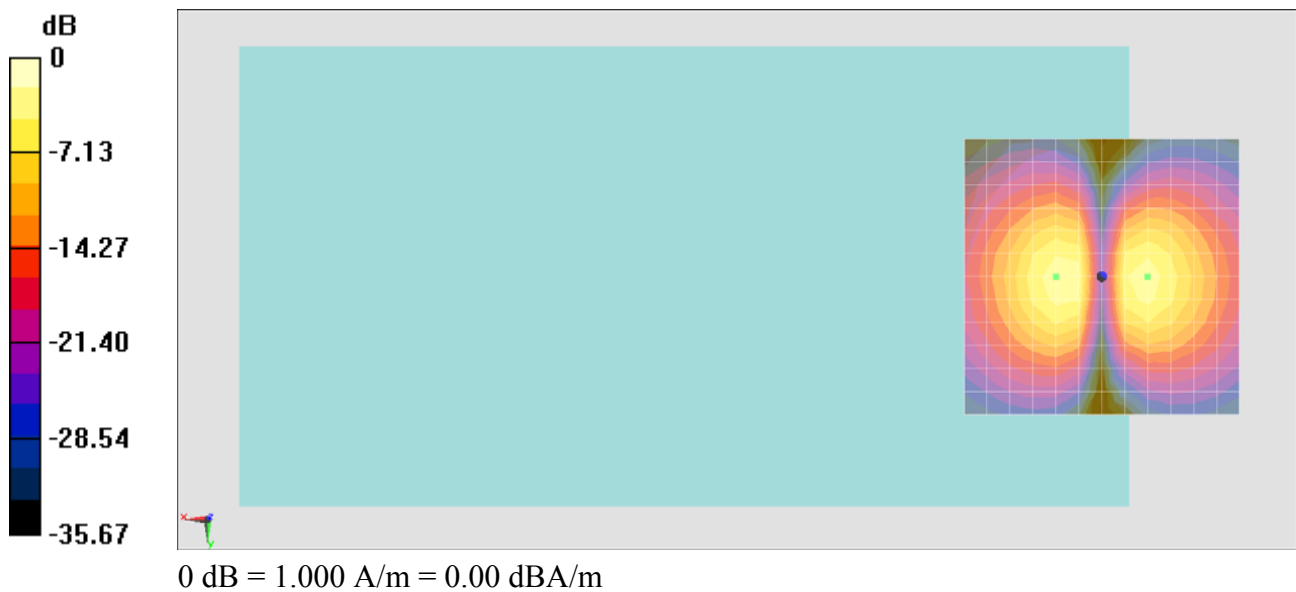
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 24.92 dB

ABM1 = -3.21 dBA/m

Location: -8.3, 0, 3.7 mm



**#07\_HAC\_T-Coil\_WCDMA V\_AMR12.2Kbps\_Ch4132\_Radial 2 (Y)**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.09 dB

ABM1 comp = -5.84 dBA/m

Location: 0, 4.2, 3.7 mm



**#08\_HAC\_T-Coil\_WCDMA V\_AMR12.2Kbps\_Ch4182\_Axial (Z)**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

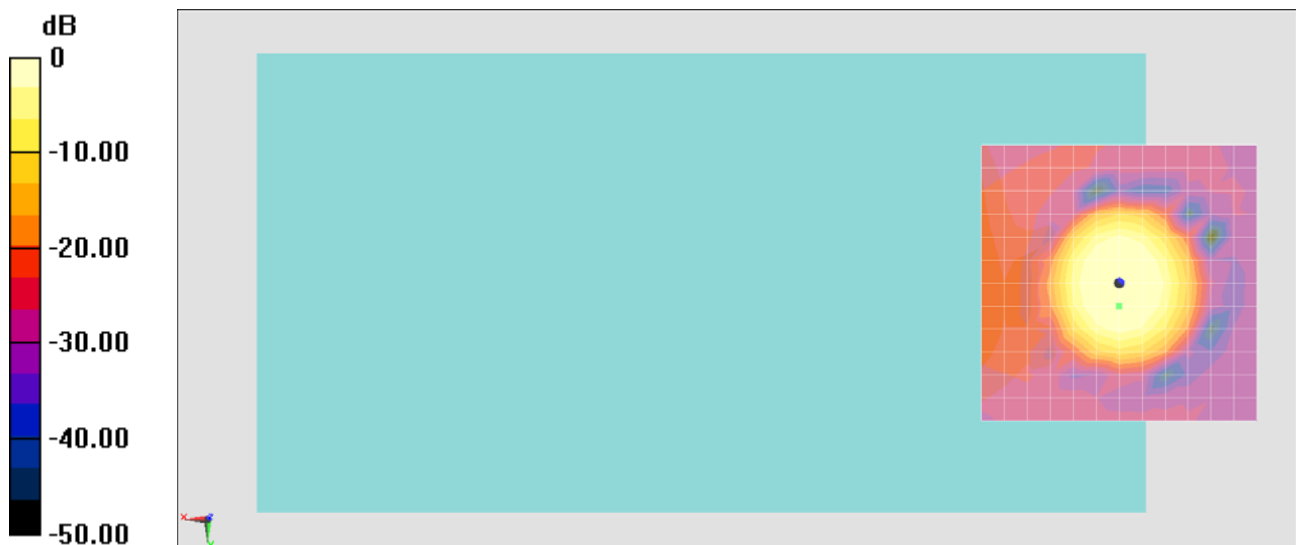
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

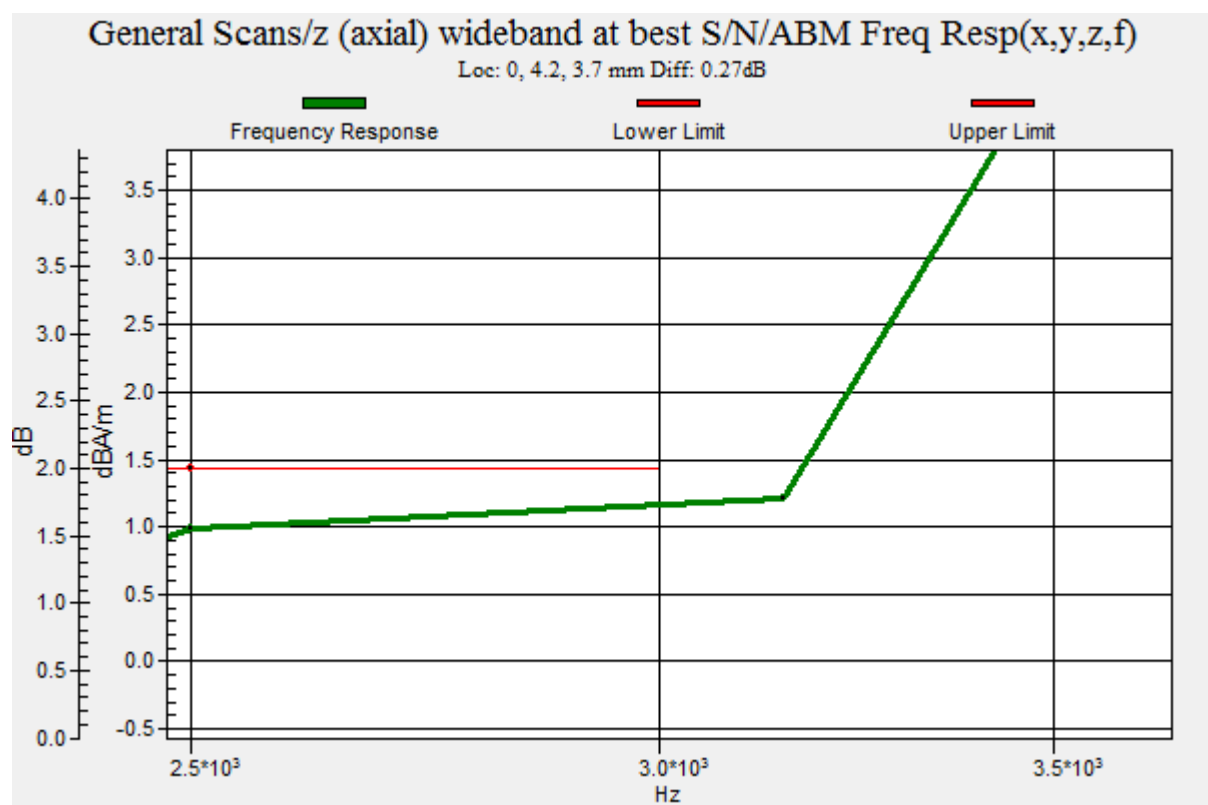
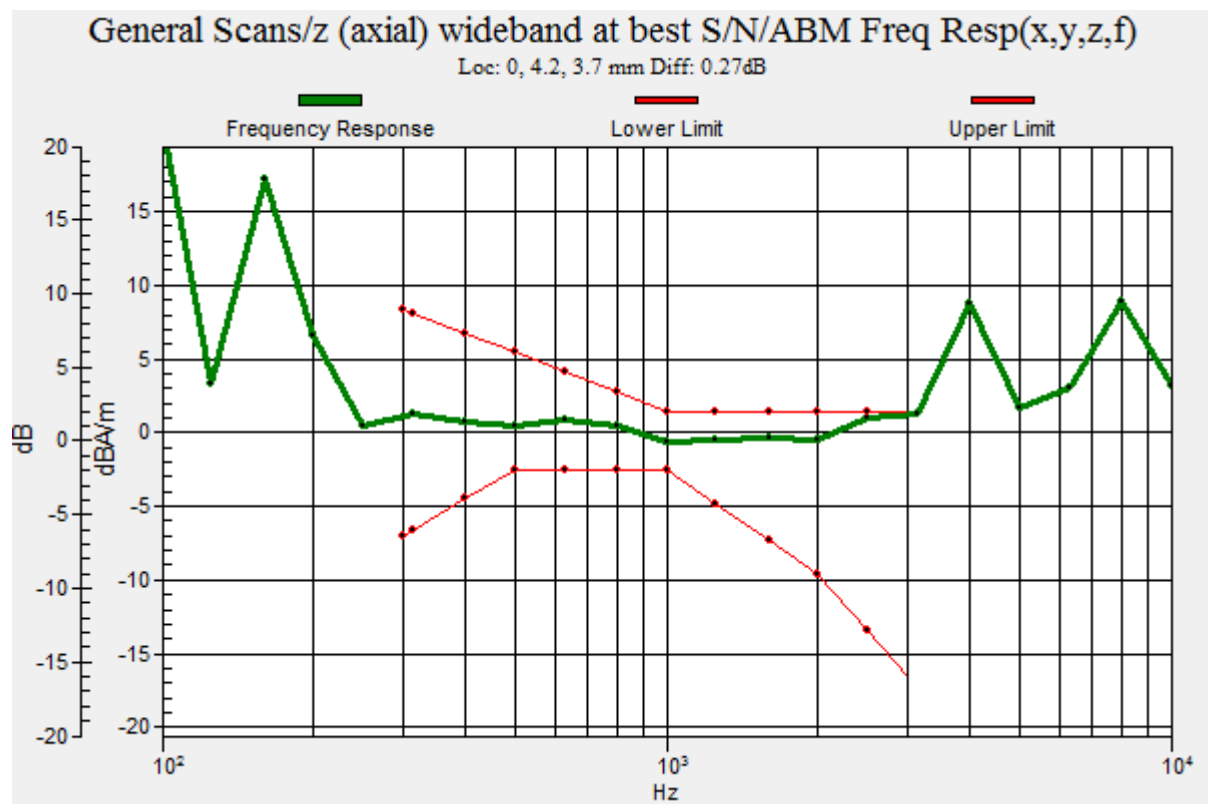
ABM1/ABM2 = 44.13 dB

ABM1 comp = 4.25 dBA/m

Location: 0, 4.2, 3.7 mm



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



**#08\_HAC\_T-Coil\_WCDMA V\_AMR12.2Kbps\_Ch4182\_Radial 1 (X)**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

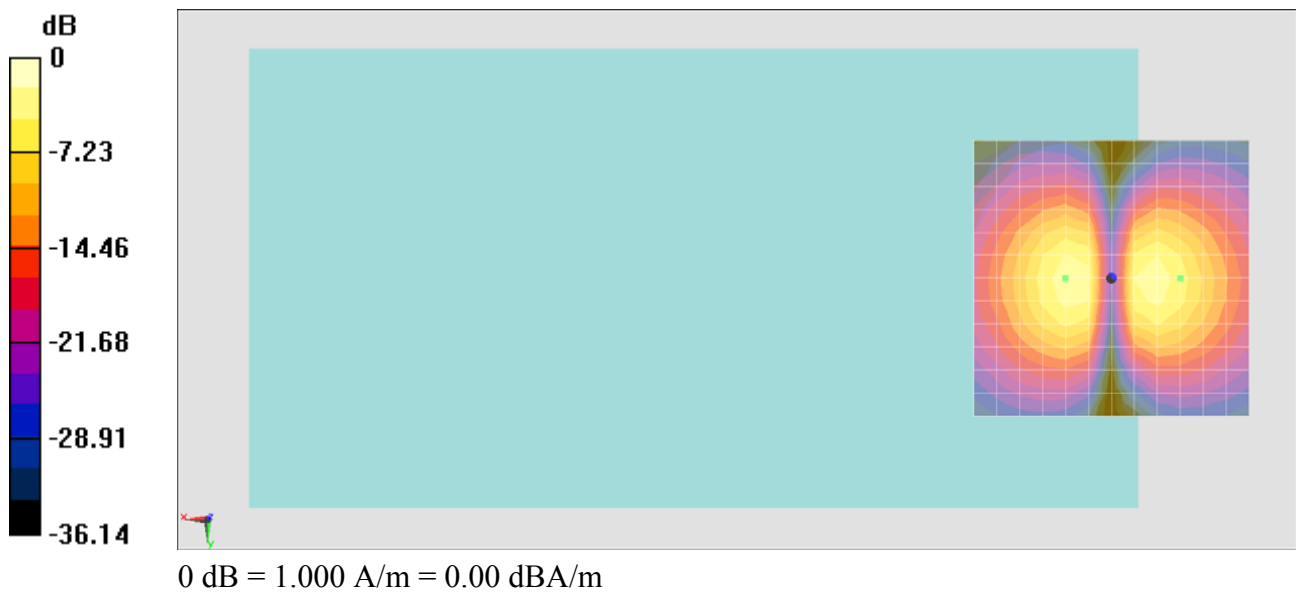
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 26.23 dB

ABM1 = -5.84 dBA/m

Location: -12.5, 0, 3.7 mm



**#08\_HAC\_T-Coil\_WCDMA V\_AMR12.2Kbps\_Ch4182\_Radial 2 (Y)**

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.60 dB

ABM1 comp = -6.04 dBA/m

Location: 0, 4.2, 3.7 mm



**#09\_HAC\_T-Coil\_WCDMA V\_AMR12.2Kbps\_Ch4233\_Axial (Z)**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

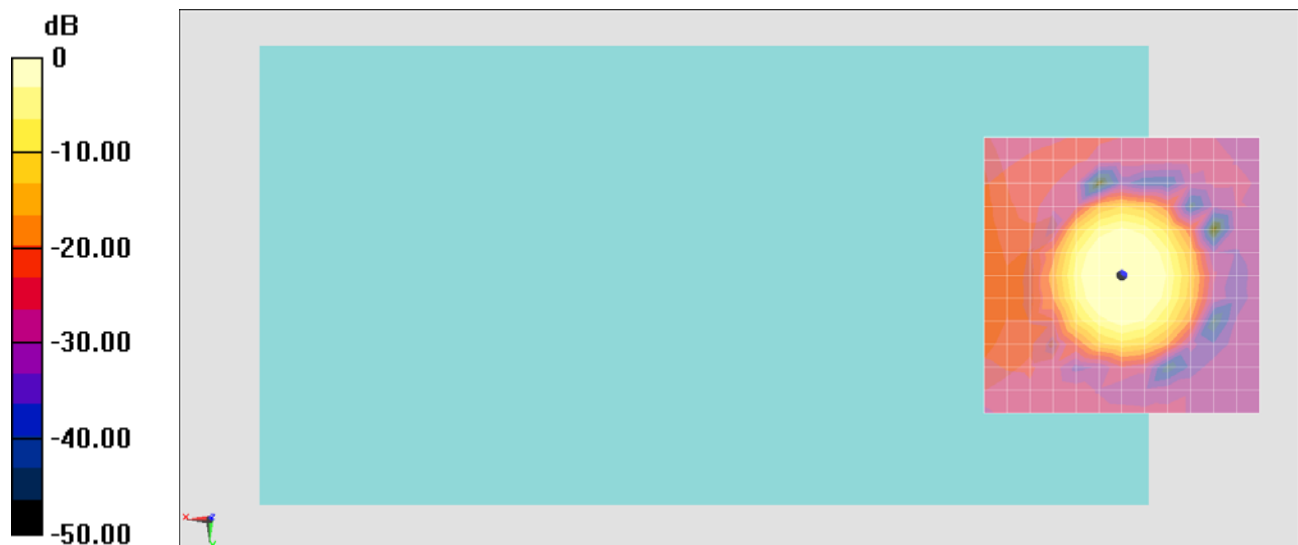
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 44.28 dB

ABM1 comp = 6.18 dBA/m

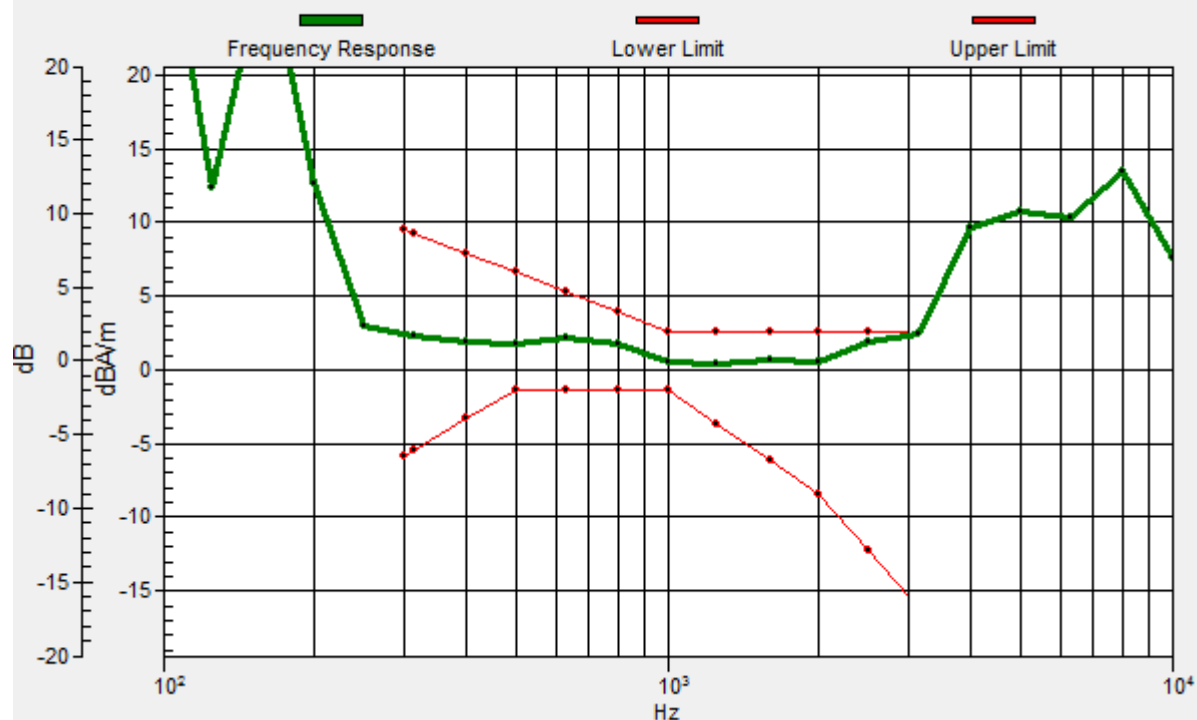
Location: 0, 0, 3.7 mm



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

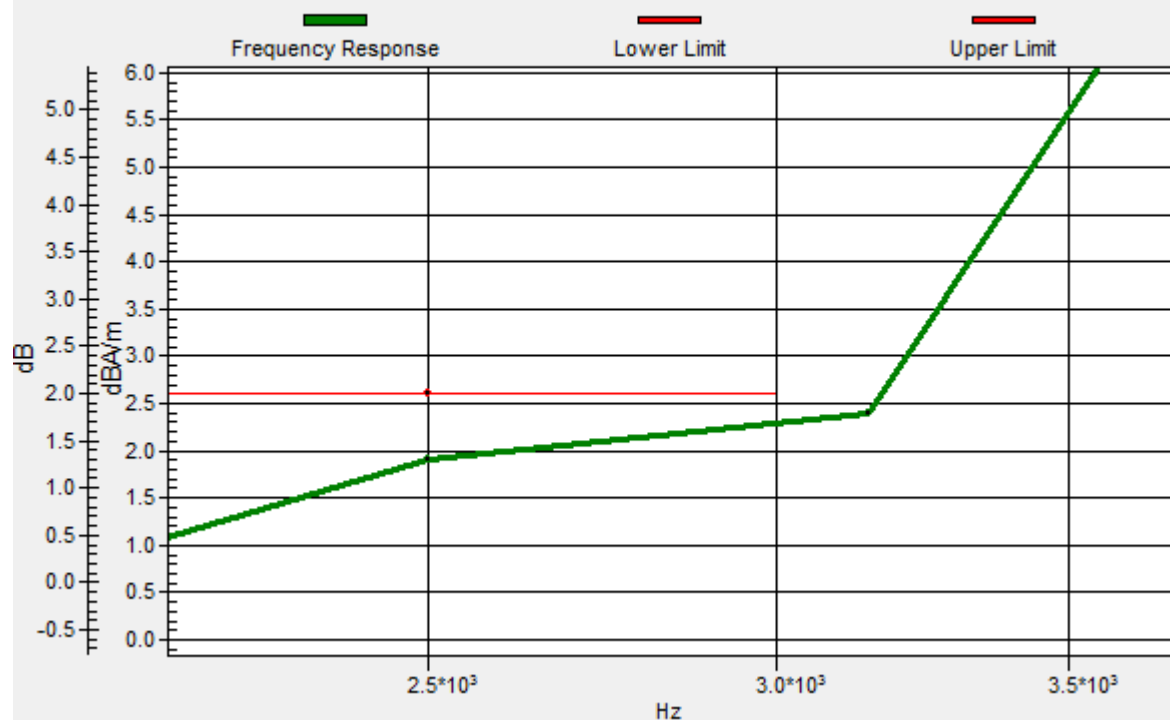
# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 0, 3.7 mm Diff: 0.32dB



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

Loc: 0, 0, 3.7 mm Diff: 0.32dB



**#09\_HAC\_T-Coil\_WCDMA V\_AMR12.2Kbps\_Ch4233\_Radial 1 (X)**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

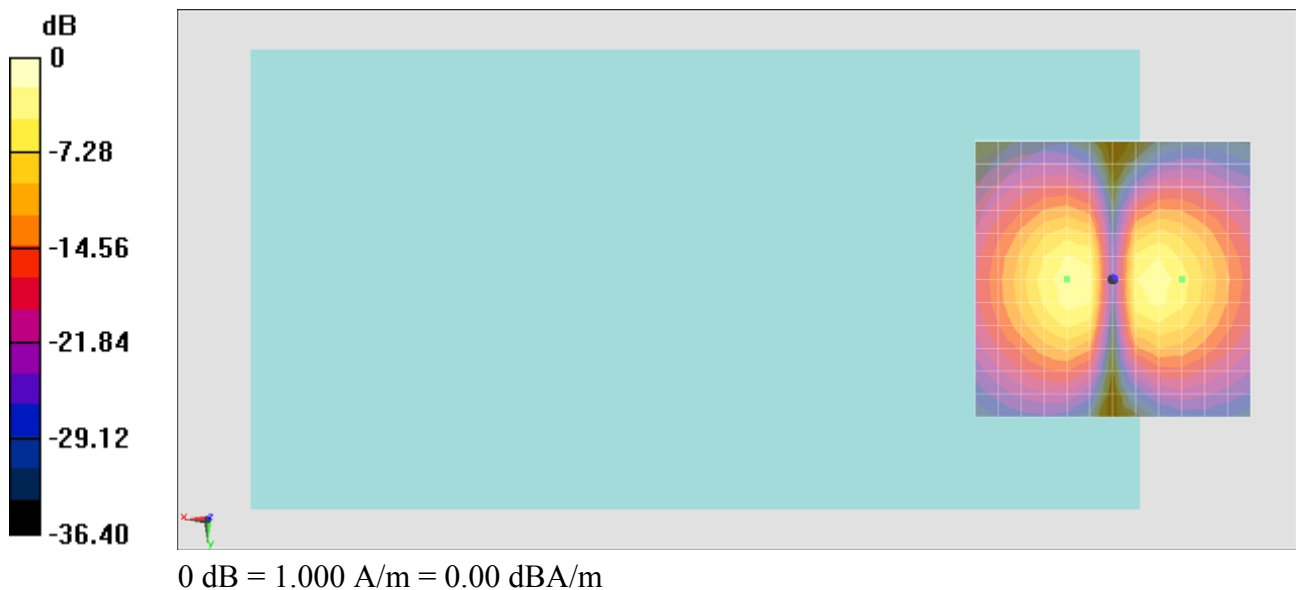
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 26.25 dB

ABM1 = -5.98 dBA/m

Location: -12.5, 0, 3.7 mm



**#09\_HAC\_T-Coil\_WCDMA V\_AMR12.2Kbps\_Ch4233\_Radial 2 (Y)**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

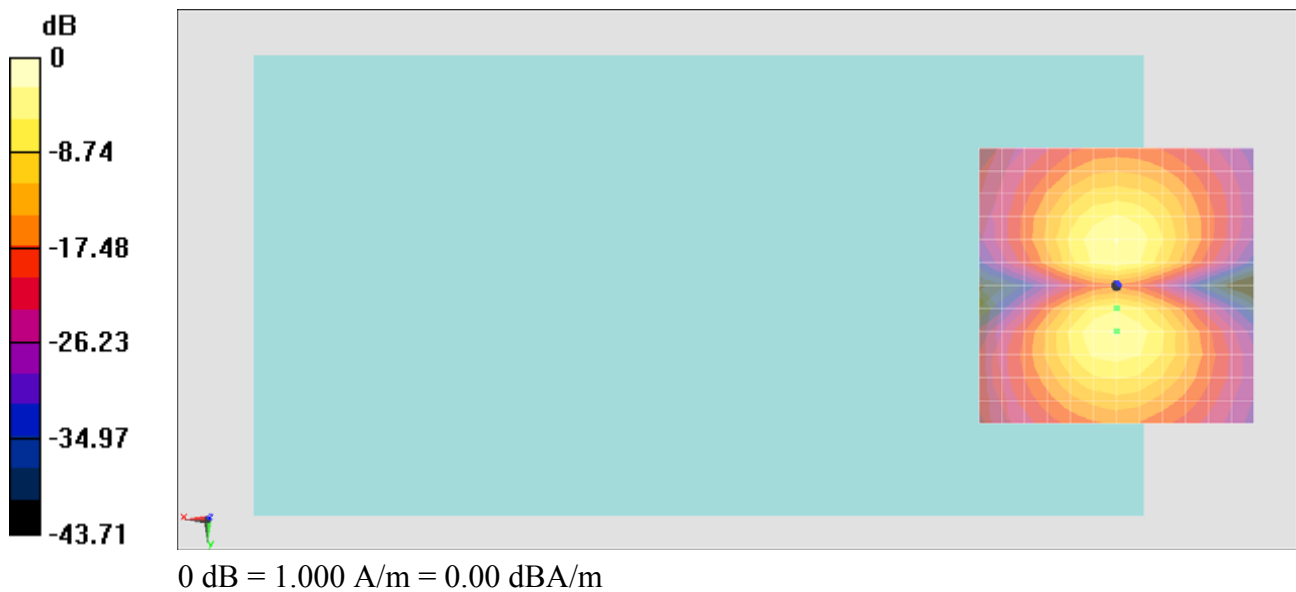
**General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement**

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.64 dB

ABM1 comp = -5.95 dBA/m

Location: 0, 4.2, 3.7 mm



**#10\_HAC\_T-Coil\_WCDMA II\_AMR12.2Kbps\_Ch9262\_Axial (Z)**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

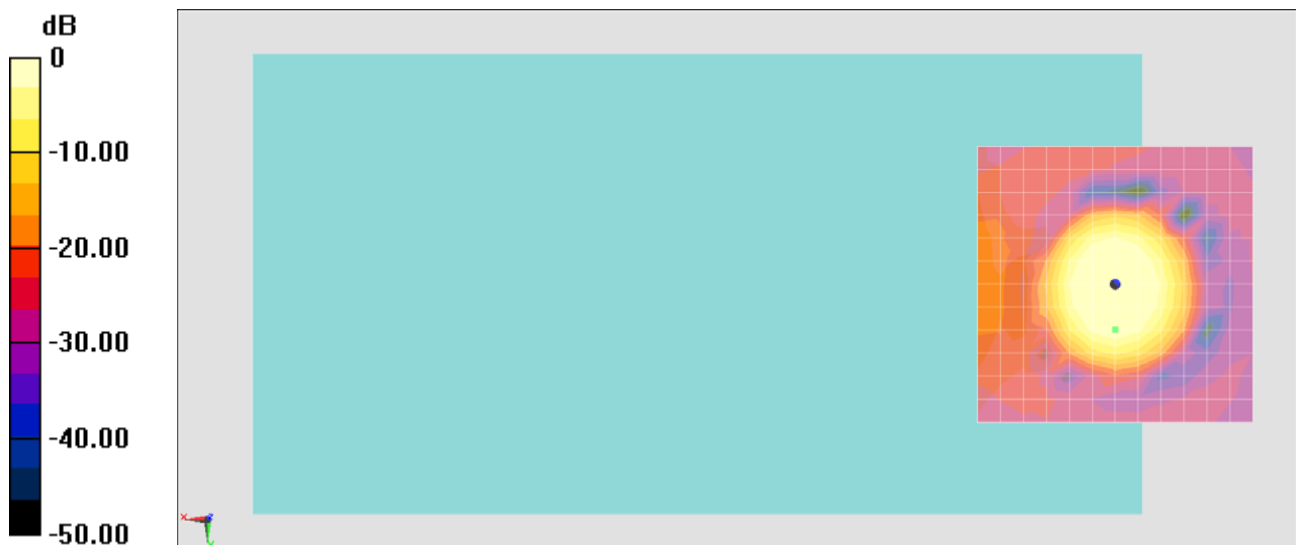
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 42.36 dB

ABM1 comp = 0.44 dBA/m

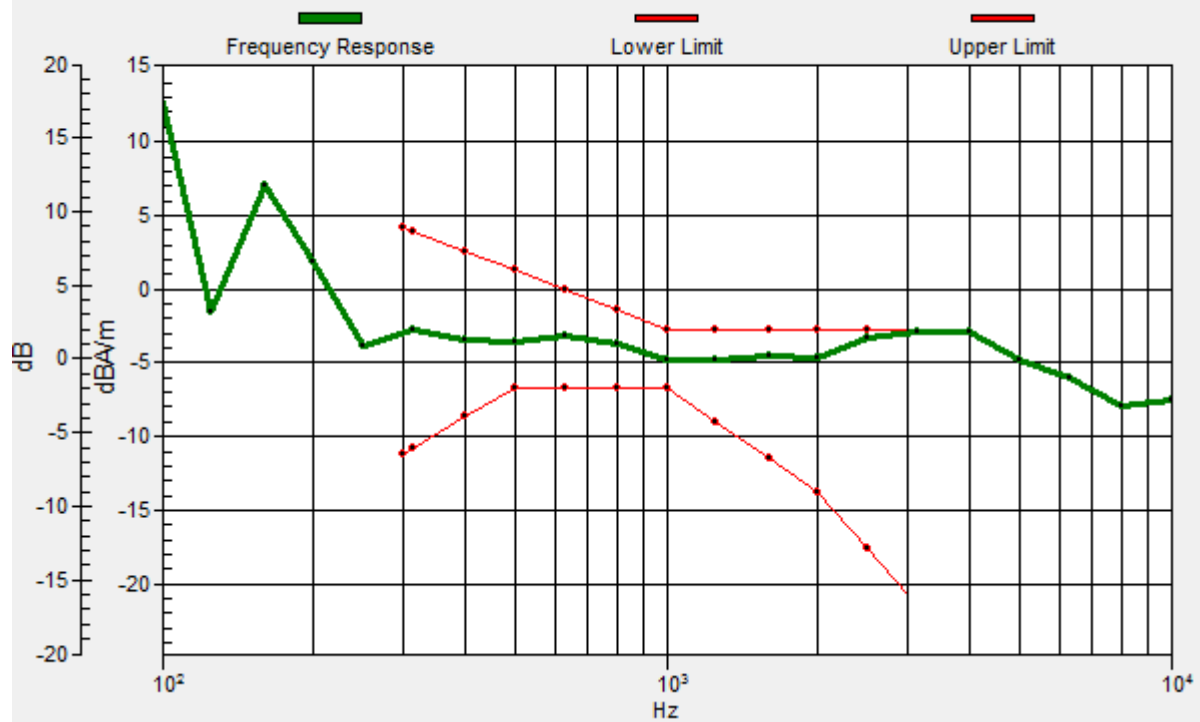
Location: 0, 8.3, 3.7 mm



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

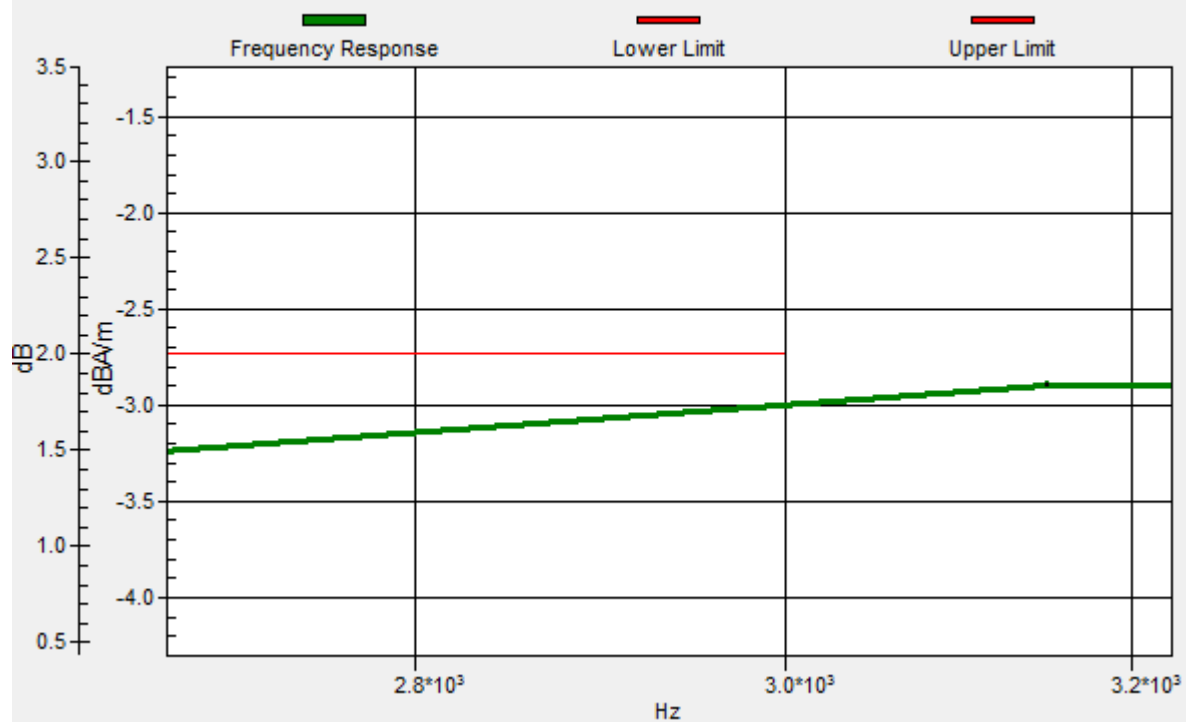
# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 8.3, 3.7 mm Diff: 0.27dB



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

Loc: 0, 8.3, 3.7 mm Diff: 0.27dB



**#10\_HAC\_T-Coil\_WCDMA II\_AMR12.2Kbps\_Ch9262\_Radial 1 (X)**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

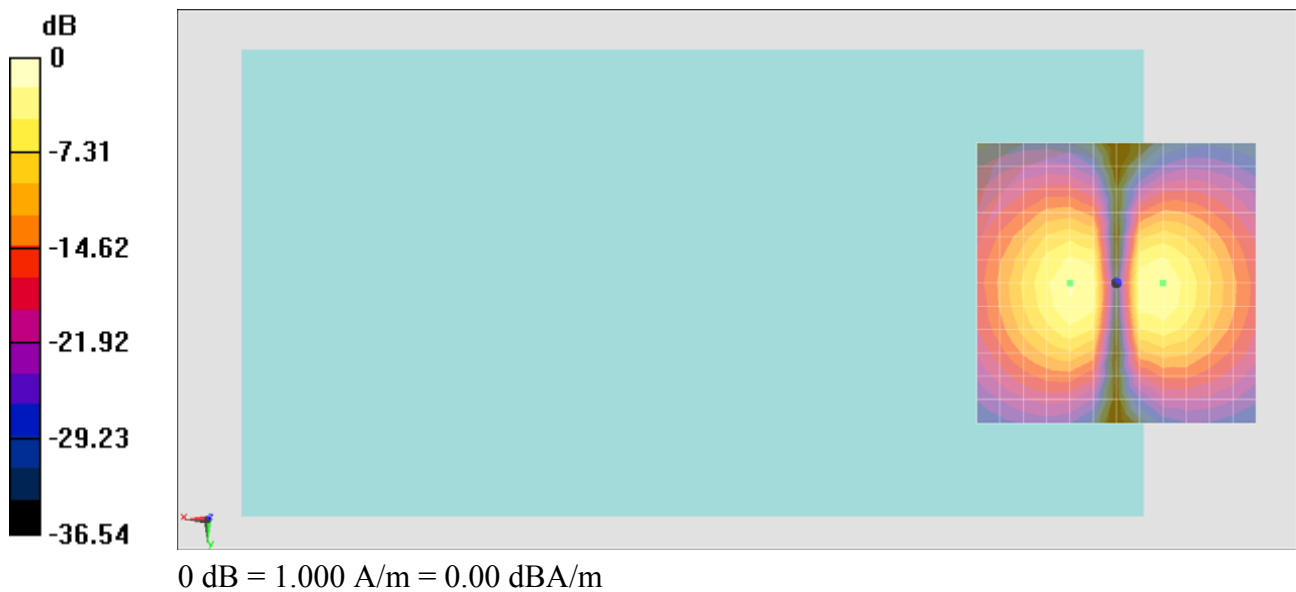
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 25.59 dB

ABM1 = -2.54 dBA/m

Location: -8.3, 0, 3.7 mm



**#10\_HAC\_T-Coil\_WCDMA II\_AMR12.2Kbps\_Ch9262\_Radial 2 (Y)**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

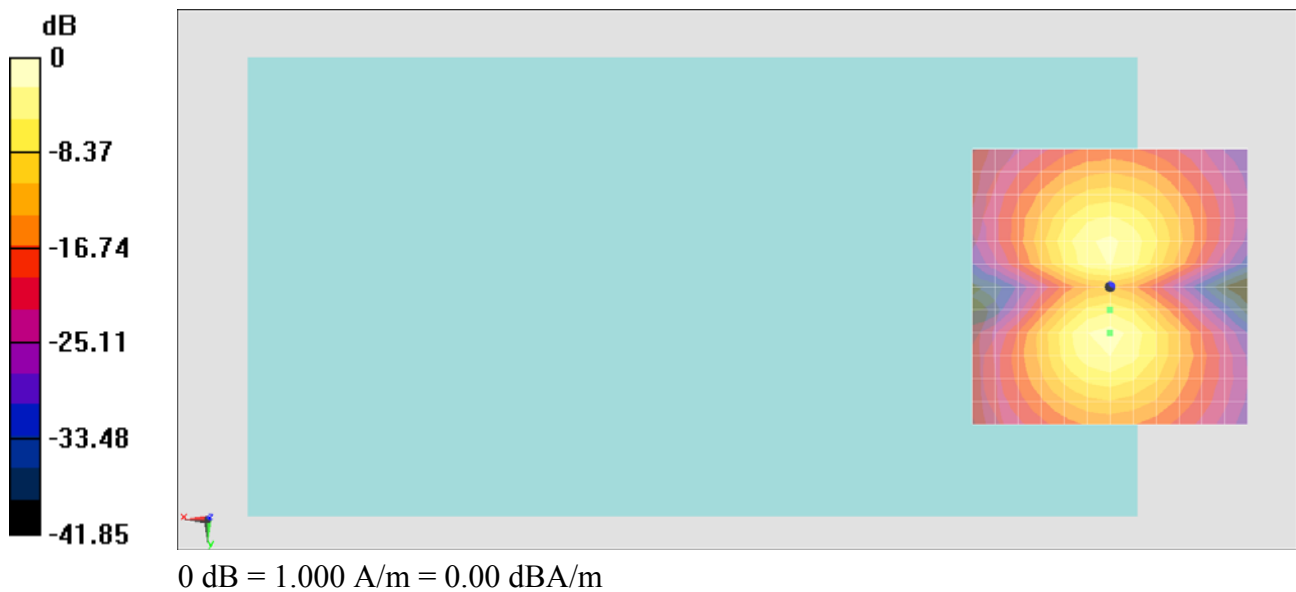
**General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement**

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.76 dB

ABM1 comp = -6.03 dBA/m

Location: 0, 4.2, 3.7 mm



**#11\_HAC\_T-Coil\_WCDMA II\_AMR12.2Kbps\_Ch9400\_Axial (Z)**

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

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

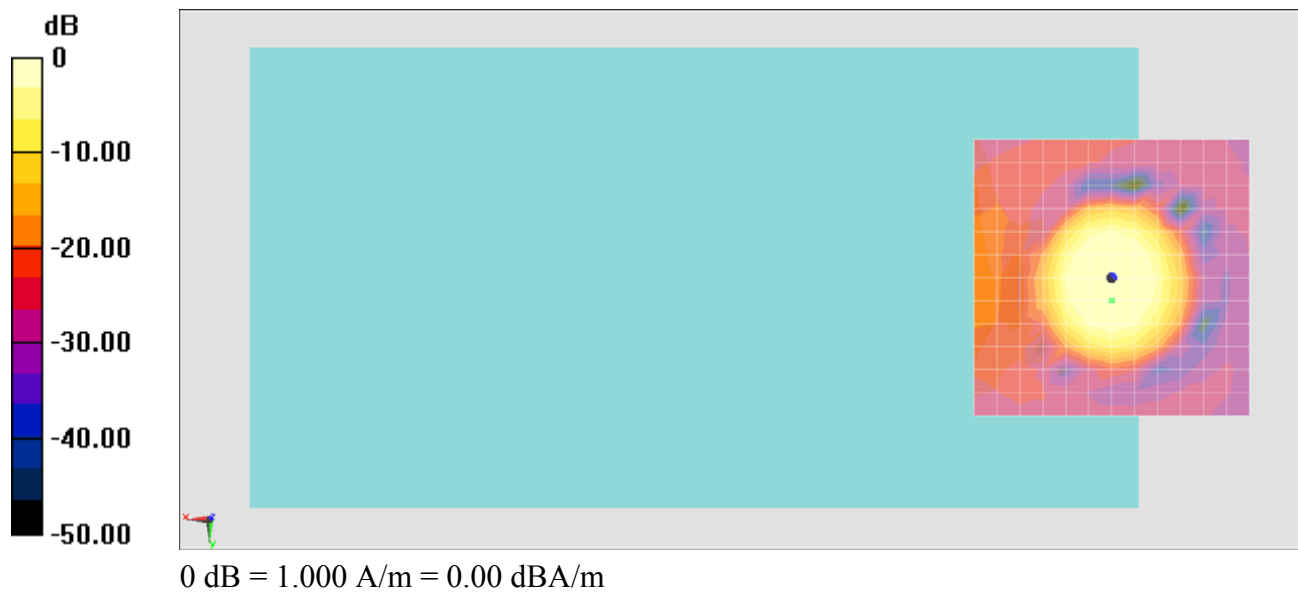
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 42.98 dB

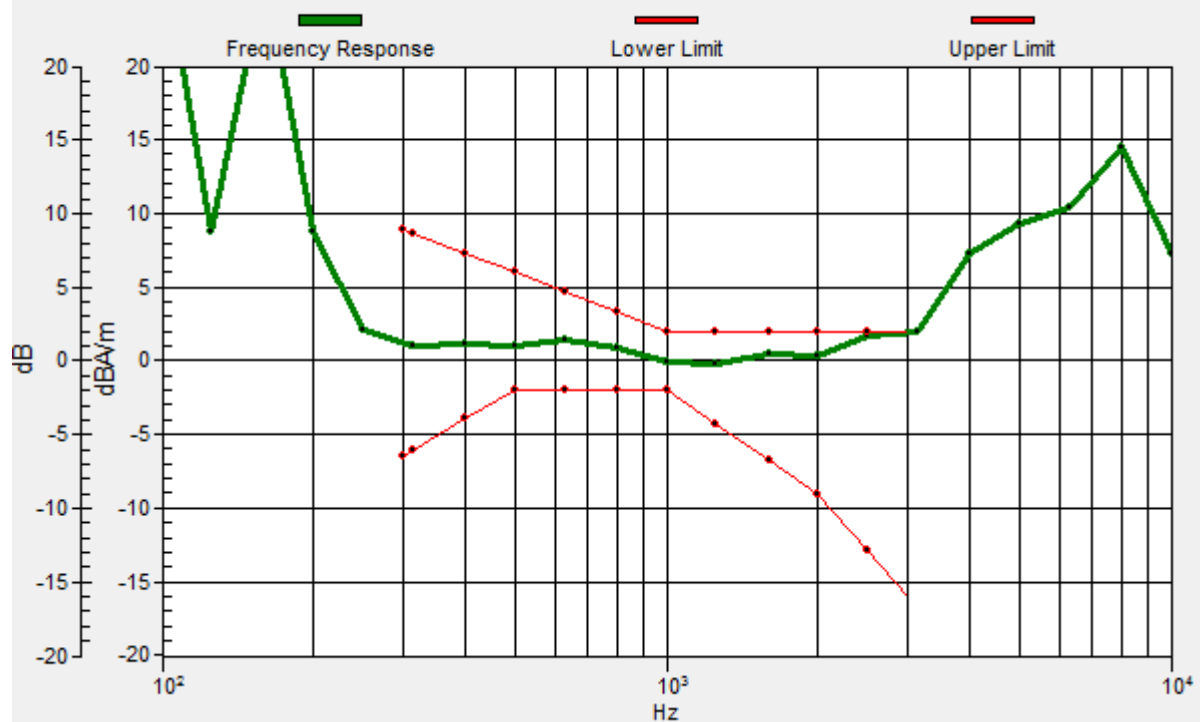
ABM1 comp = 5.62 dBA/m

Location: 0, 4.2, 3.7 mm



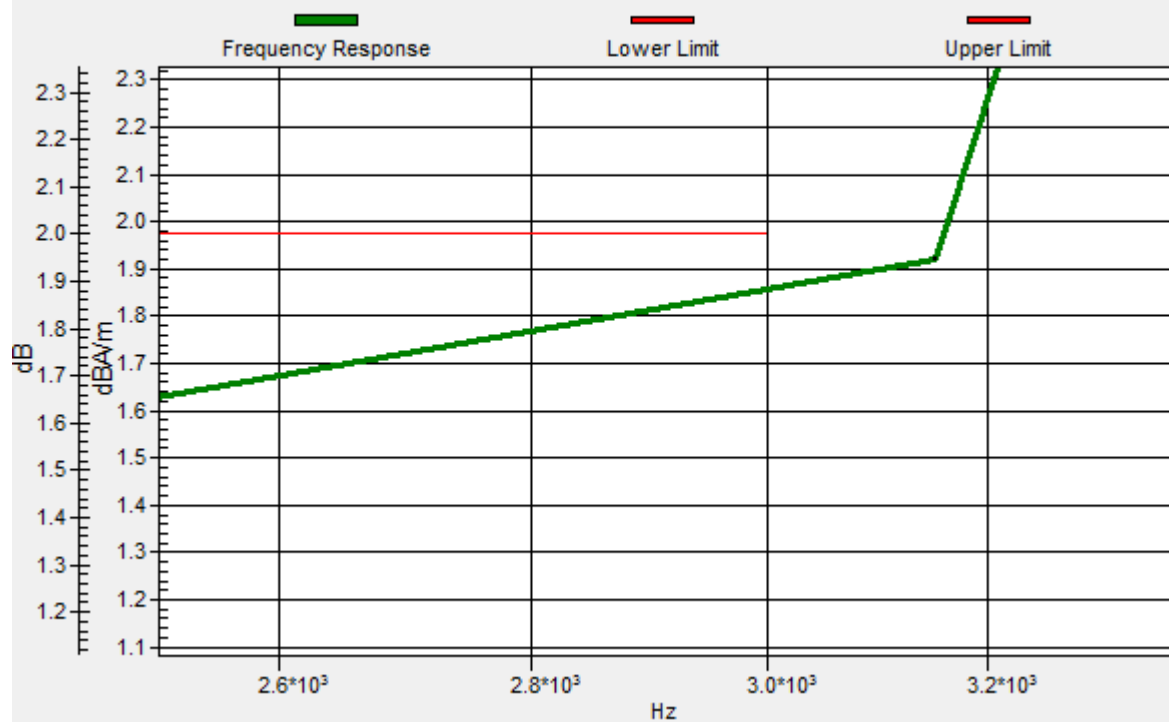
# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 4.2, 3.7 mm Diff: 0.12dB



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

Loc: 0, 4.2, 3.7 mm Diff: 0.12dB



**#11\_HAC\_T-Coil\_WCDMA II\_AMR12.2Kbps\_Ch9400\_Radial 1 (X)**

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

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

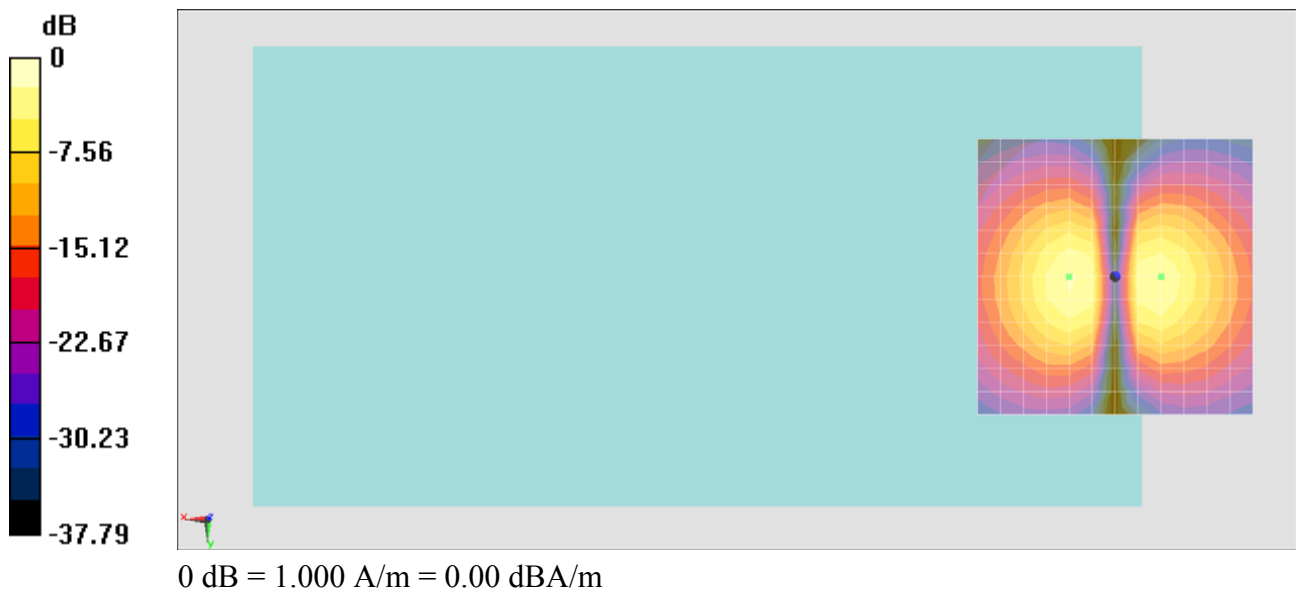
**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 27.36 dB

ABM1 = -2.40 dBA/m

Location: -8.3, 0, 3.7 mm



**#11\_HAC\_T-Coil\_WCDMA II\_AMR12.2Kbps\_Ch9400\_Radial 2 (Y)**

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

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

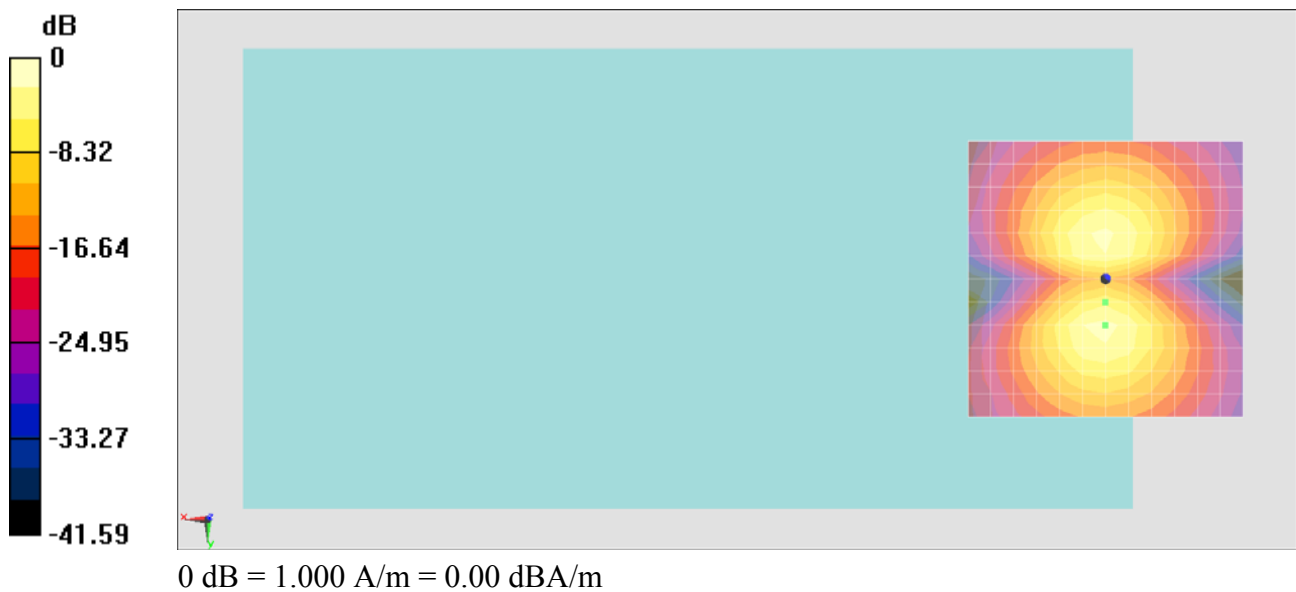
**General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement**

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.55 dB

ABM1 comp = -6.20 dBA/m

Location: 0, 4.2, 3.7 mm



**#12\_HAC\_T-Coil\_WCDMA II\_AMR12.2Kbps\_Ch9538\_Axial (Z)**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

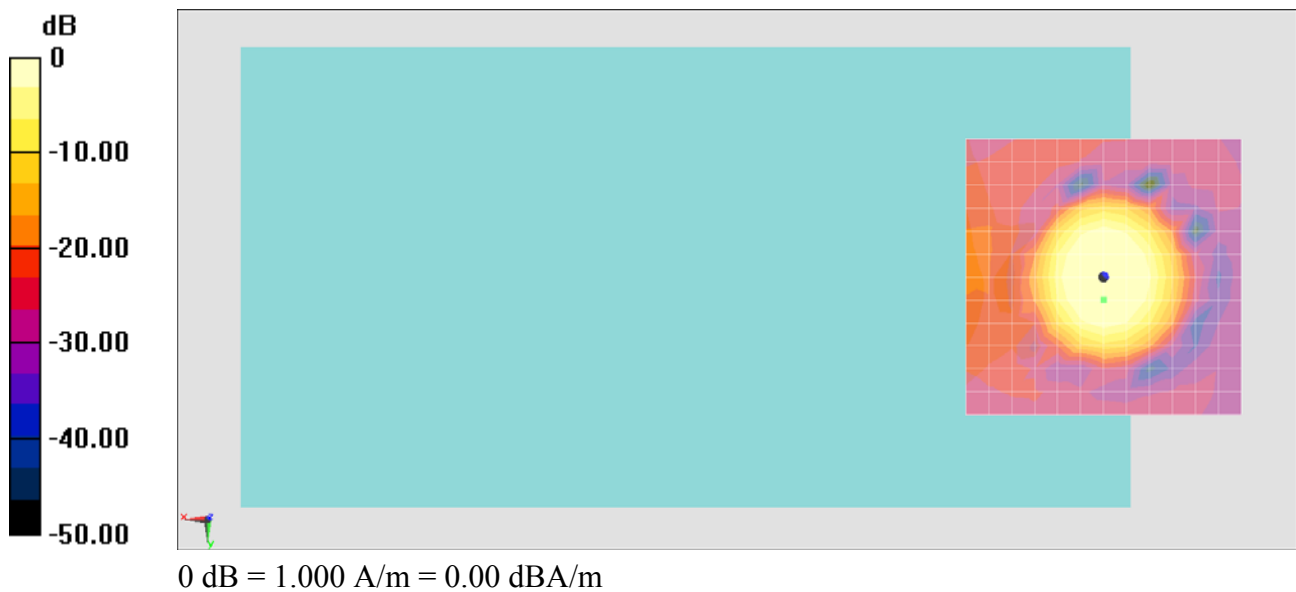
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 43.12 dB

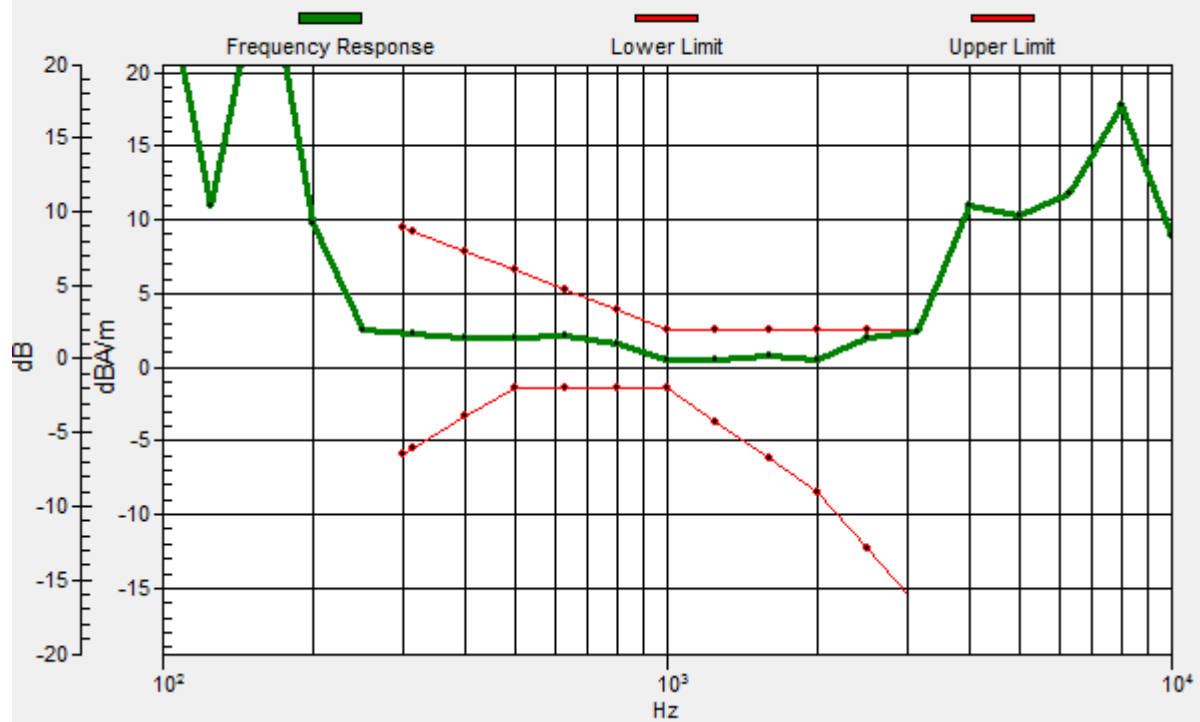
ABM1 comp = 4.57 dBA/m

Location: 0, 4.2, 3.7 mm



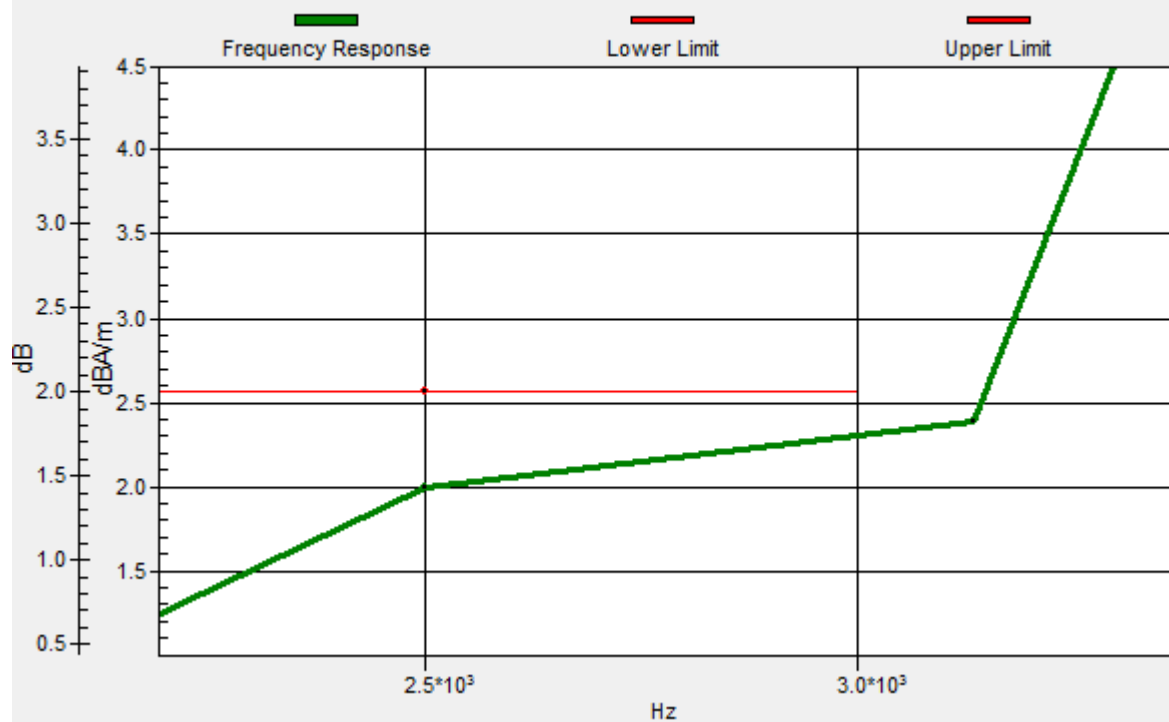
# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 4.2, 3.7 mm Diff: 0.26dB



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

Loc: 0, 4.2, 3.7 mm Diff: 0.26dB



**#12\_HAC\_T-Coil\_WCDMA II\_AMR12.2Kbps\_Ch9538\_Radial 1 (X)**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

ABM1/ABM2 = 26.65 dB

ABM1 = -6.10 dBA/m

Location: -12.5, 0, 3.7 mm



**#12\_HAC\_T-Coil\_WCDMA II\_AMR12.2Kbps\_Ch9538\_Radial 2 (Y)**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV2 - 1038; ; Calibrated: 2013/1/23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2013/1/28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.98 dB

ABM1 comp = -4.28 dBA/m

Location: 0, 4.2, 3.7 mm

