

#01_HAC_T-Coil_GSM850_Voice(speech codec handset low)_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/m³

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

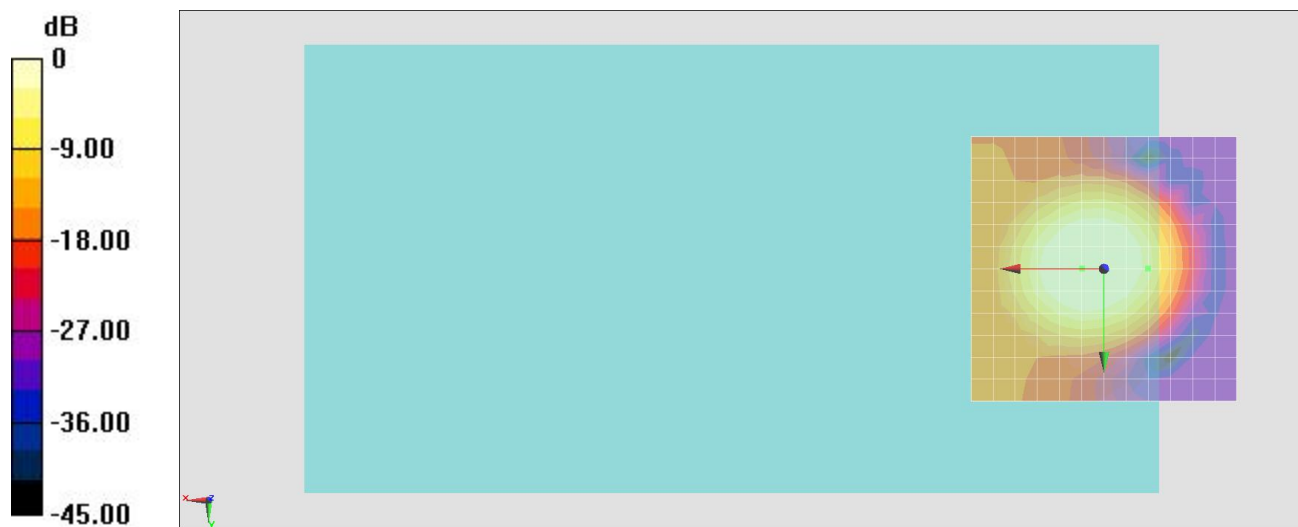
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 26.67 dB

ABM1 comp = -4.36 dBA/m

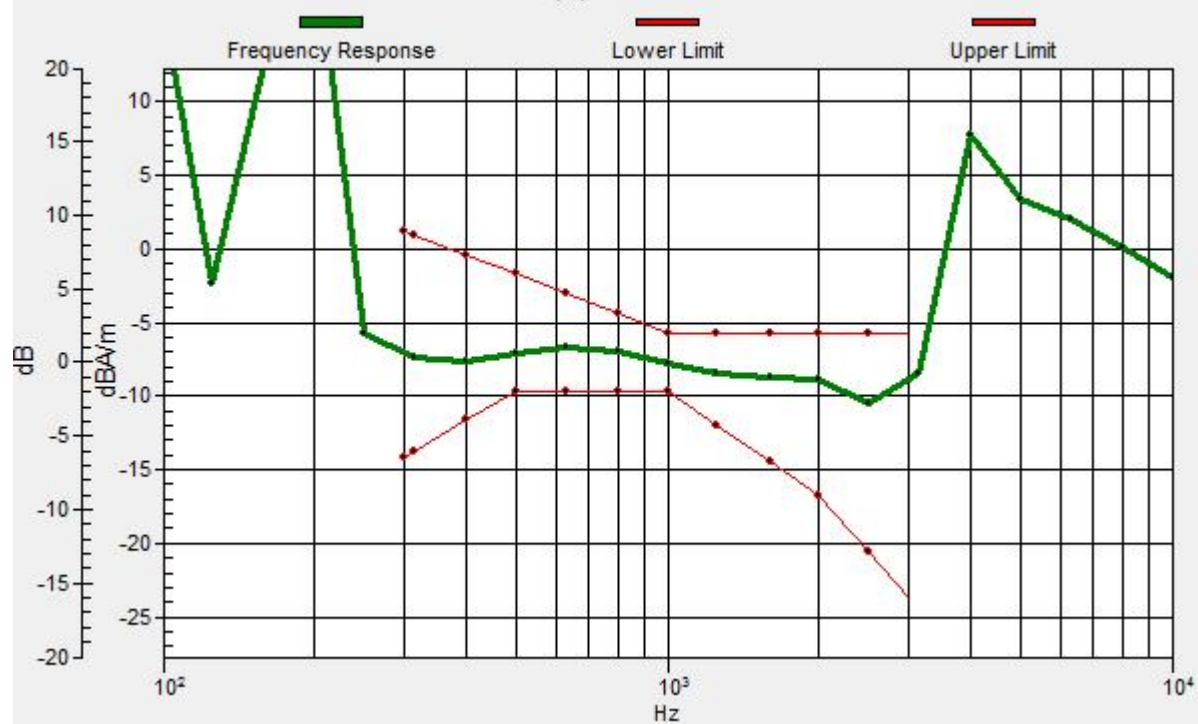
Location: -8.3, 0, 3.7 mm



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: -8.3, 0, 3.7 mm Diff: 2dB



#01_HAC_T-Coil_GSM850_Voice(speech codec handset low)_Ch189_Transversal (Y)

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

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

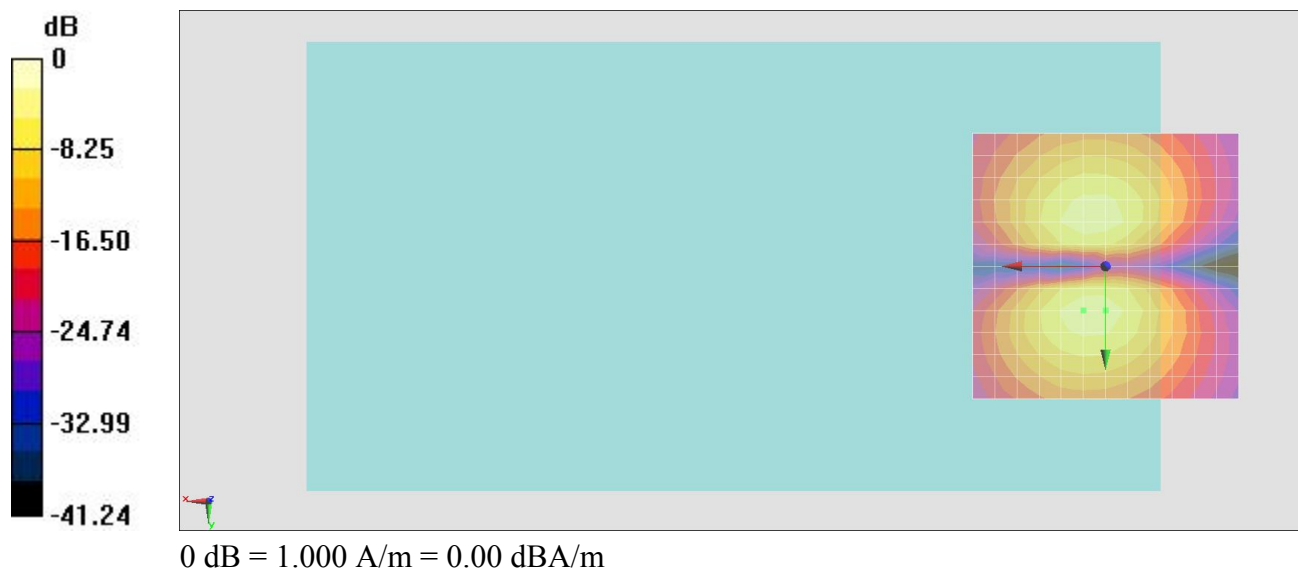
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 35.41 dB

ABM1 comp = -3.99 dBA/m

Location: 0, 8.3, 3.7 mm



#02_HAC_T-Coil_GSM1900_Voice(speech codec handset low)_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/m³

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

dx=10mm, dy=10mm

ABM1/ABM2 = 33.45 dB

ABM1 comp = -4.33 dBA/m

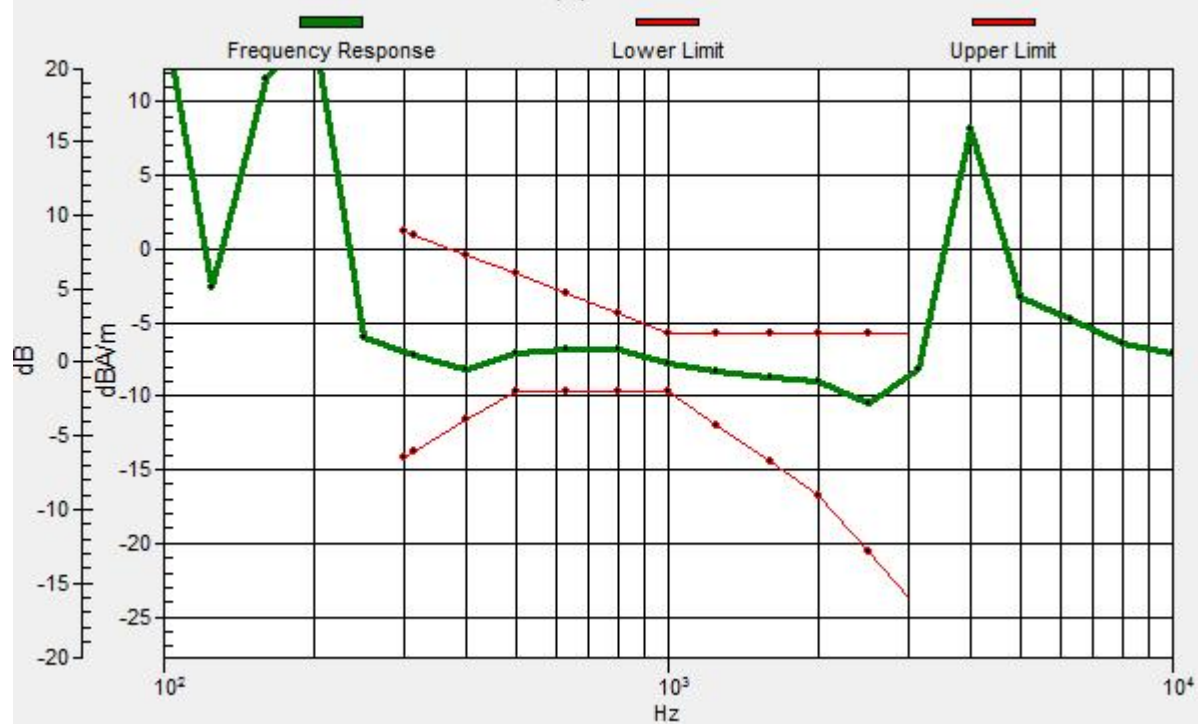
Location: -8.3, 0, 3.7 mm



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: -8.3, 0, 3.7 mm Diff: 2dB



#02_HAC_T-Coil_GSM1900_Voice(speech codec handset low) _Ch661_Transversal (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/m³

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

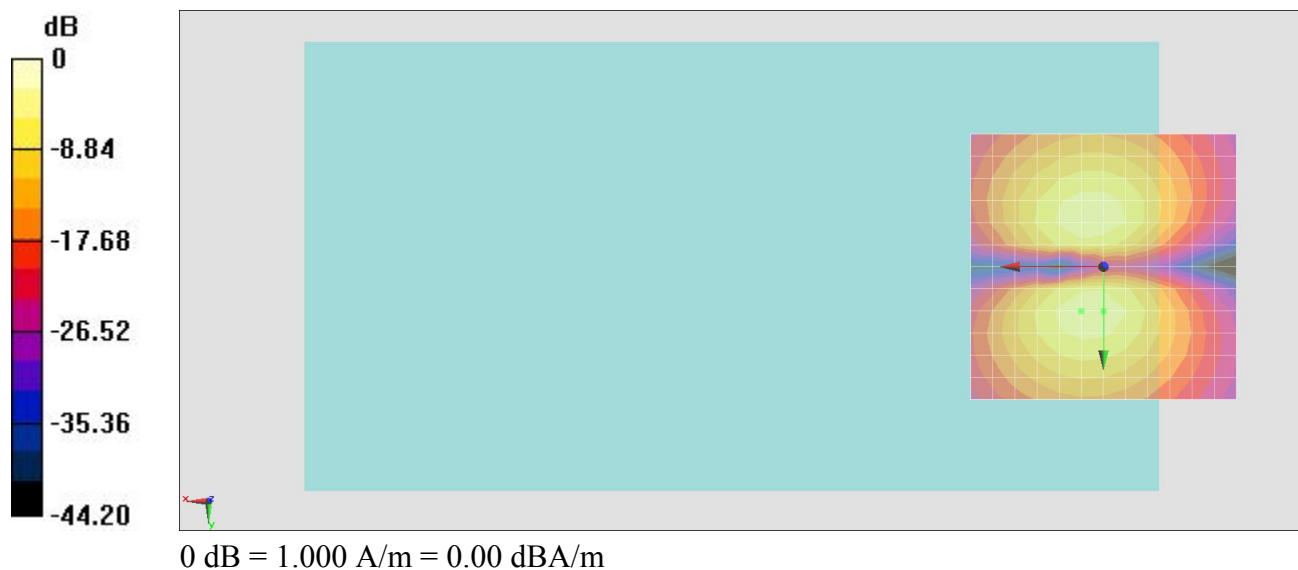
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 40.73 dB

ABM1 comp = -3.96 dBA/m

Location: 0, 8.3, 3.7 mm



#03_HAC_T-Coil_WCDMA II_Voice (speech codec low)_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/m³

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

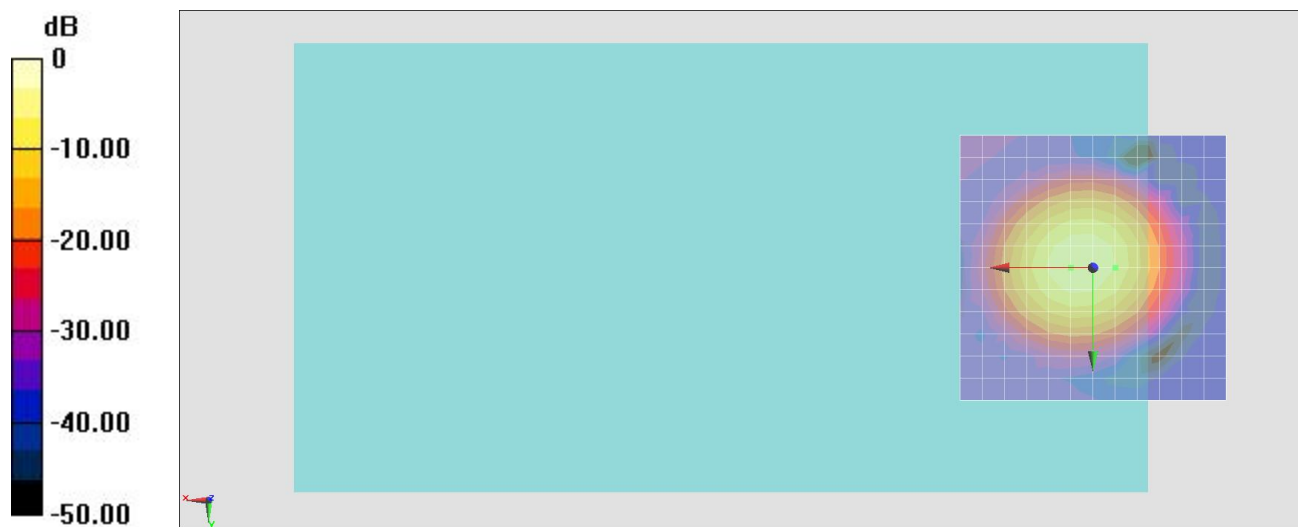
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 42.56 dB

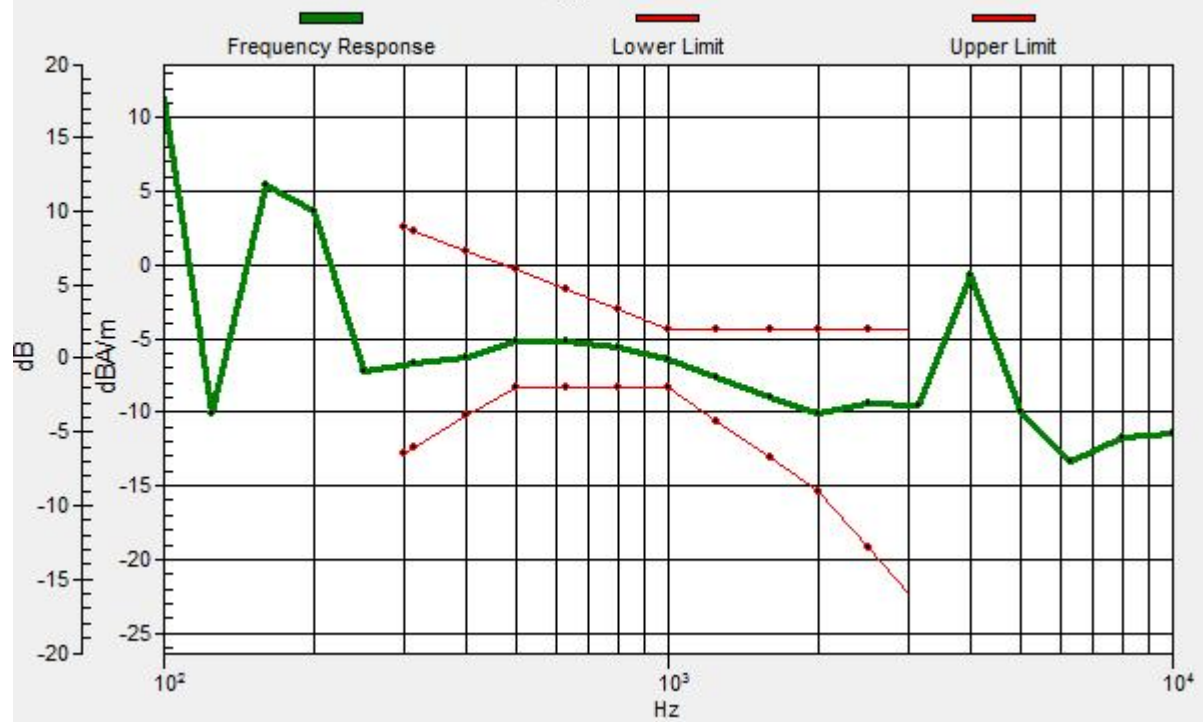
ABM1 comp = -6.57 dBA/m

Location: -4.2, 0, 3.7 mm



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

Loc: -4.2, 0, 3.7 mm Diff: 2dB



#03_HAC_T-Coil_WCDMA II_Voice (speech codec low)_Ch9400_Transversal (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/m³

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

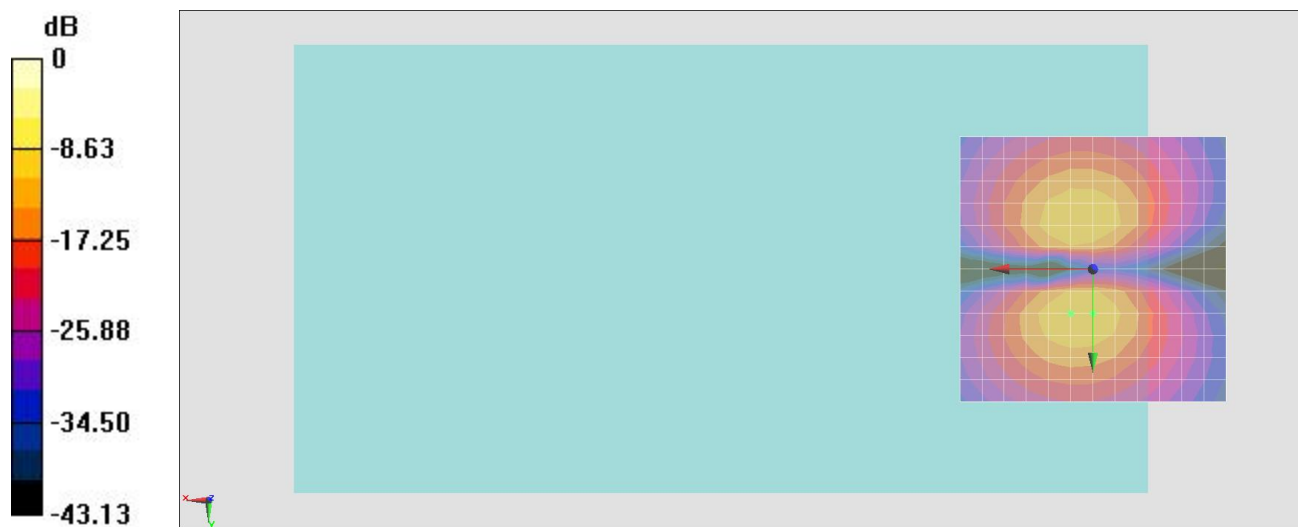
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.05 dB

ABM1 comp = -11.66 dBA/m

Location: 0, 8.3, 3.7 mm



#04_HAC_T-Coil_WCDMA IV_Voice (speech codec low)_Ch1413_Axial (Z)

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

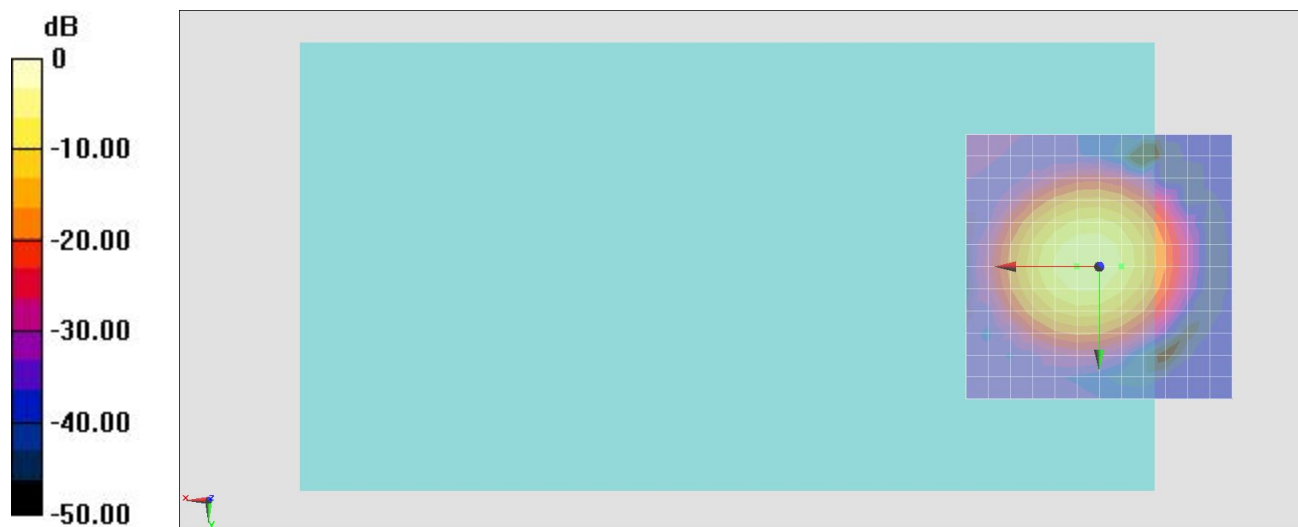
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 42.72 dB

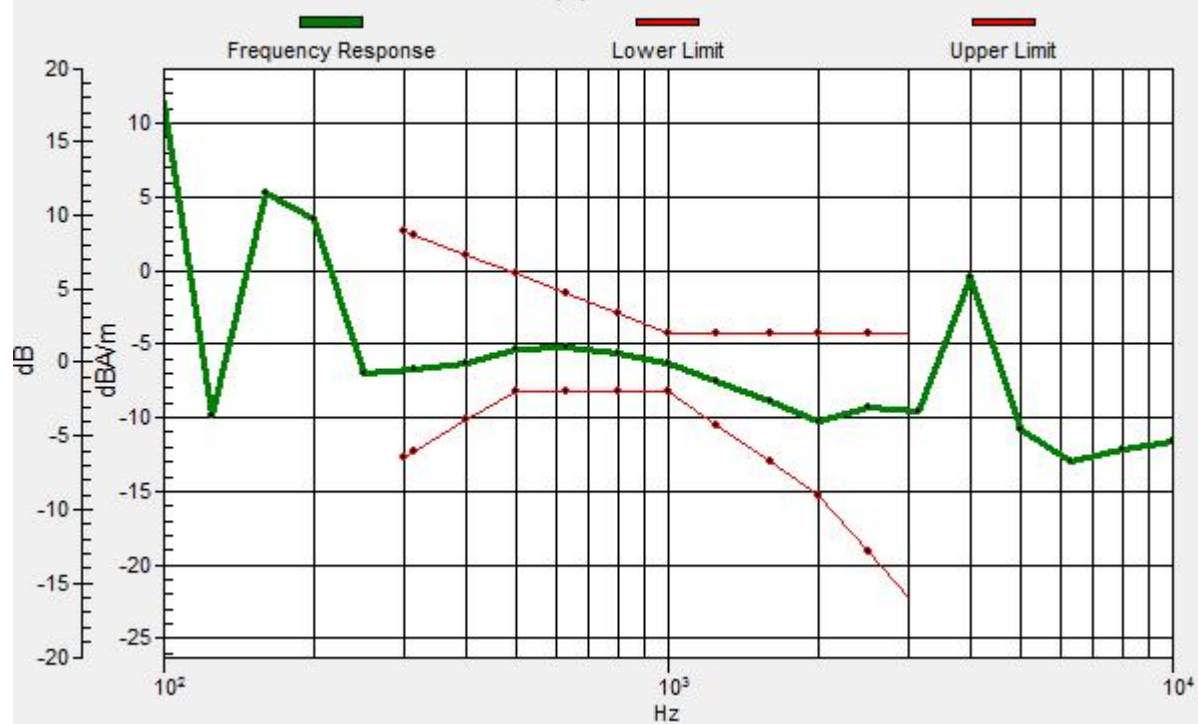
ABM1 comp = -6.54 dBA/m

Location: -4.2, 0, 3.7 mm



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

Loc: -4.2, 0, 3.7 mm Diff: 2dB



#04_HAC_T-Coil_WCDMA IV_Voice (speech codec low)_Ch1413_Transversal (Y)

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

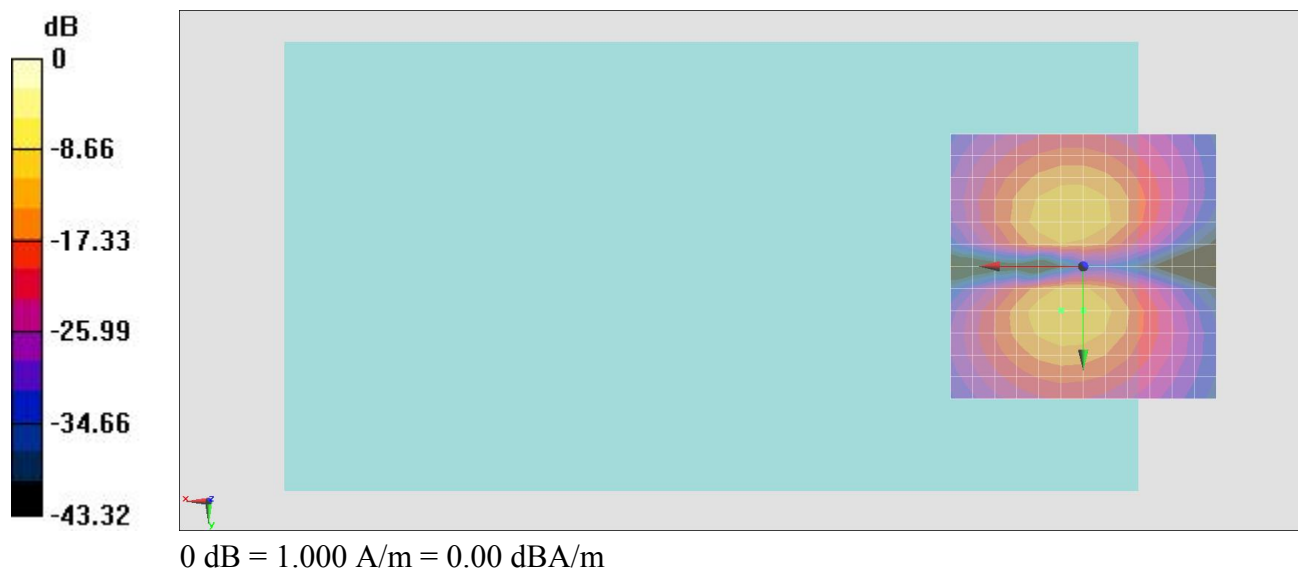
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 36.10 dB

ABM1 comp = -11.61 dBA/m

Location: 0, 8.3, 3.7 mm



#05_HAC_T-Coil_WCDMA V_Voice (speech codec low)_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/m³

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

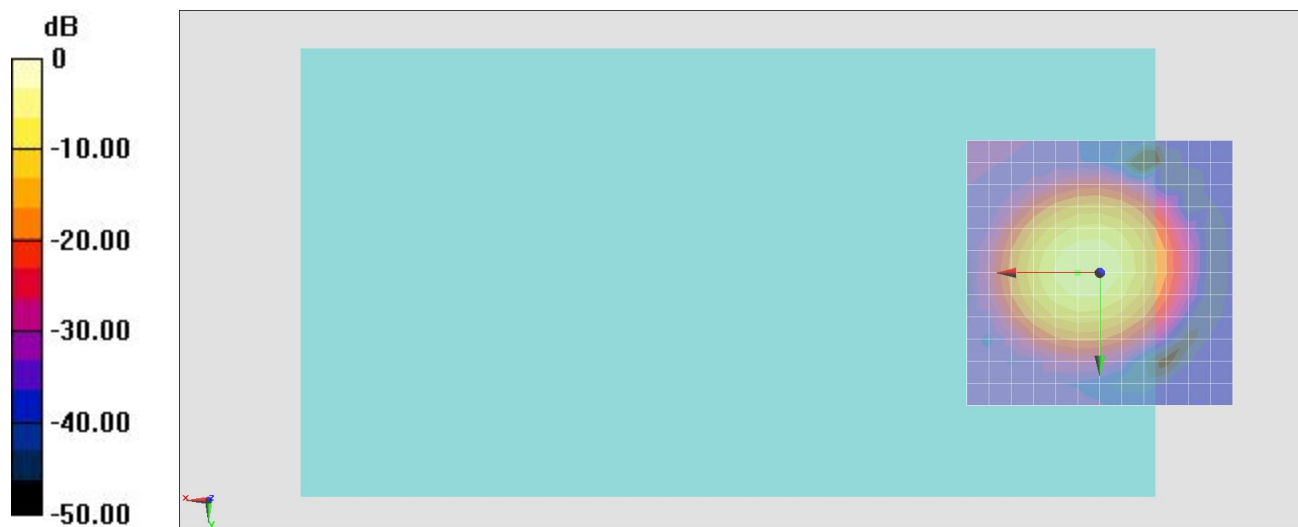
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 42.79 dB

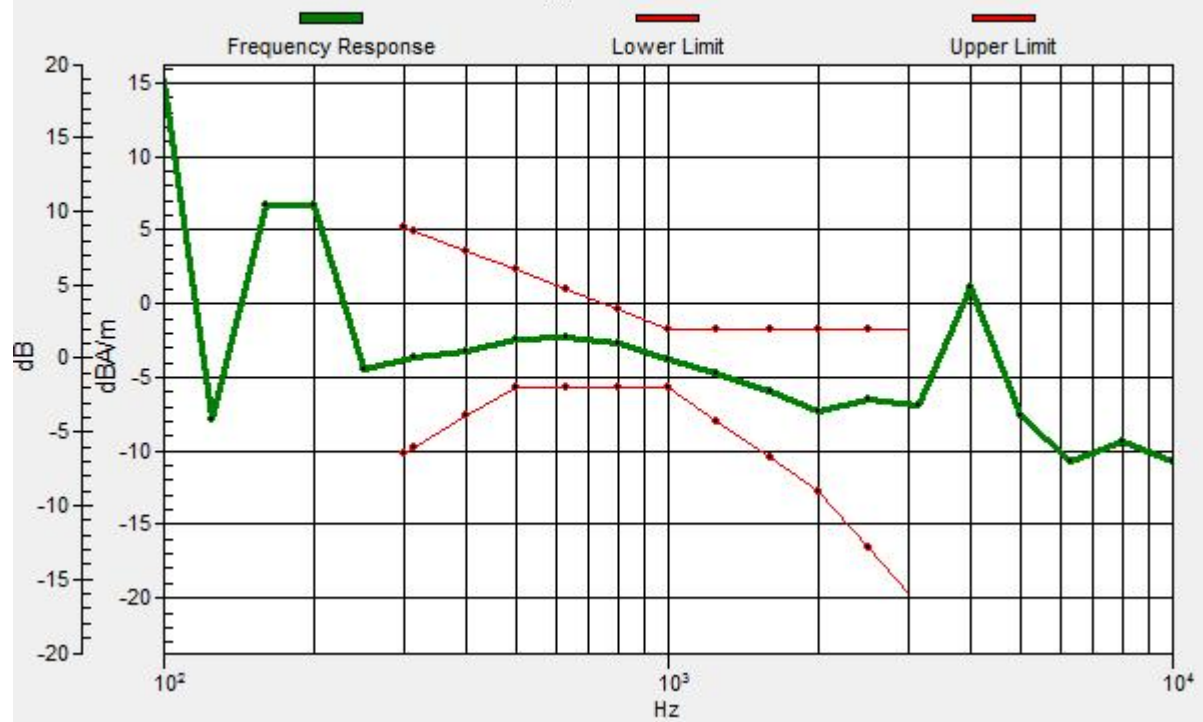
ABM1 comp = -3.70 dBA/m

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_WCDMA V_Voice (speech codec low)_Ch4182_Transversal (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/m³

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

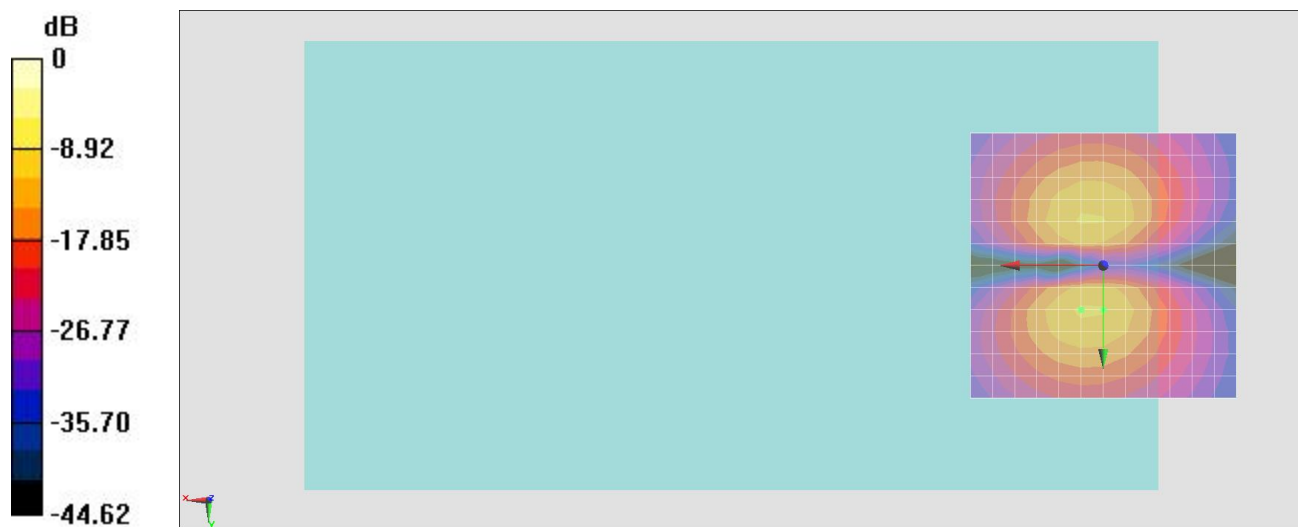
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.06 dB

ABM1 comp = -11.54 dBA/m

Location: 0, 8.3, 3.7 mm



**#06_HAC_T-Coil_CDMA2000 BC0_RC1+SO3 Voice codec_8K Enhanced
low_Ch384_Axial (Z)**

Communication System: CDMA T-Coil; Frequency: 836.52 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

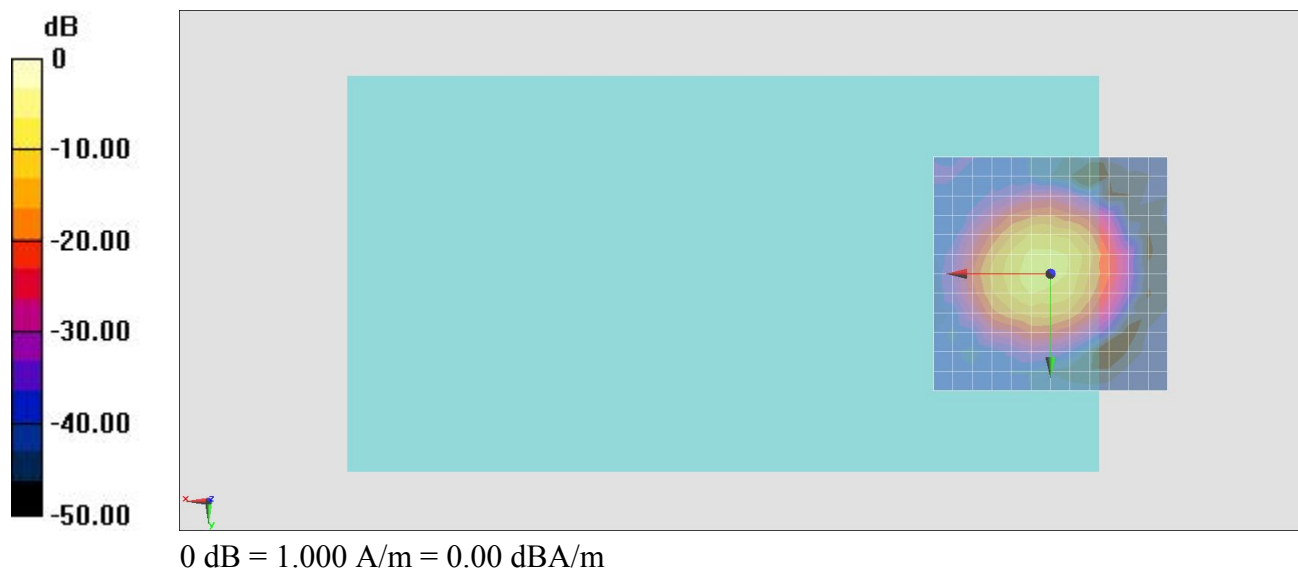
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 42.30 dB

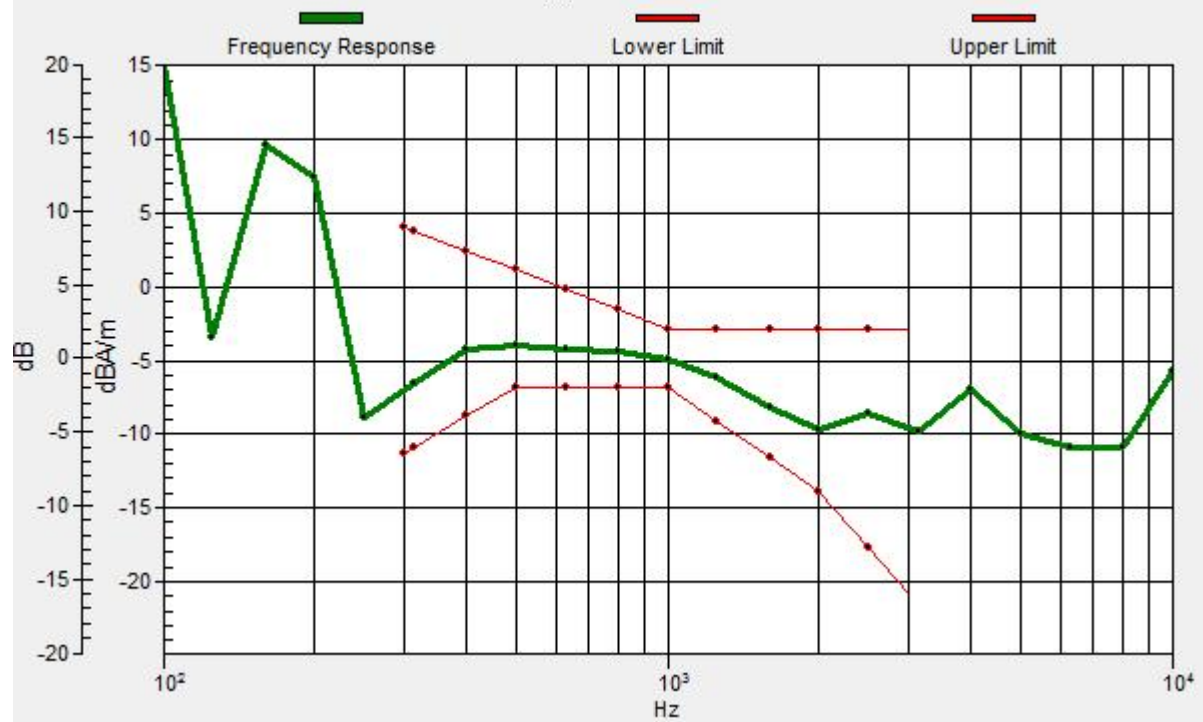
ABM1 comp = -6.70 dBA/m

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



#06_HAC_T-Coil_CDMA2000 BC0_RC1+SO3 Voice codec_8K Enhanced low_Ch384_Transversal (Y)

Communication System: CDMA T-Coil; Frequency: 836.52 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

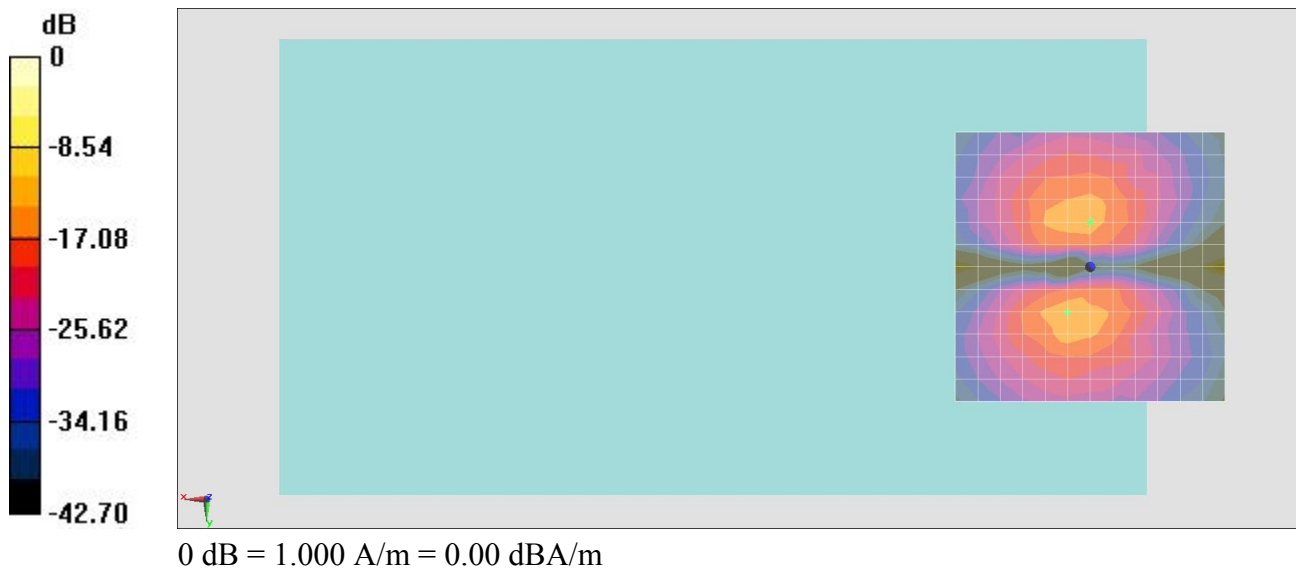
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 33.49 dB

ABM1 comp = -15.50 dBA/m

Location: 0, -8.3, 3.7 mm



**#07_HAC_T-Coil_CDMA2000 BC1_RC1+SO3 Voice codec_8K Enhanced
low_Ch600_Axial (Z)**

Communication System: CDMA T-Coil; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

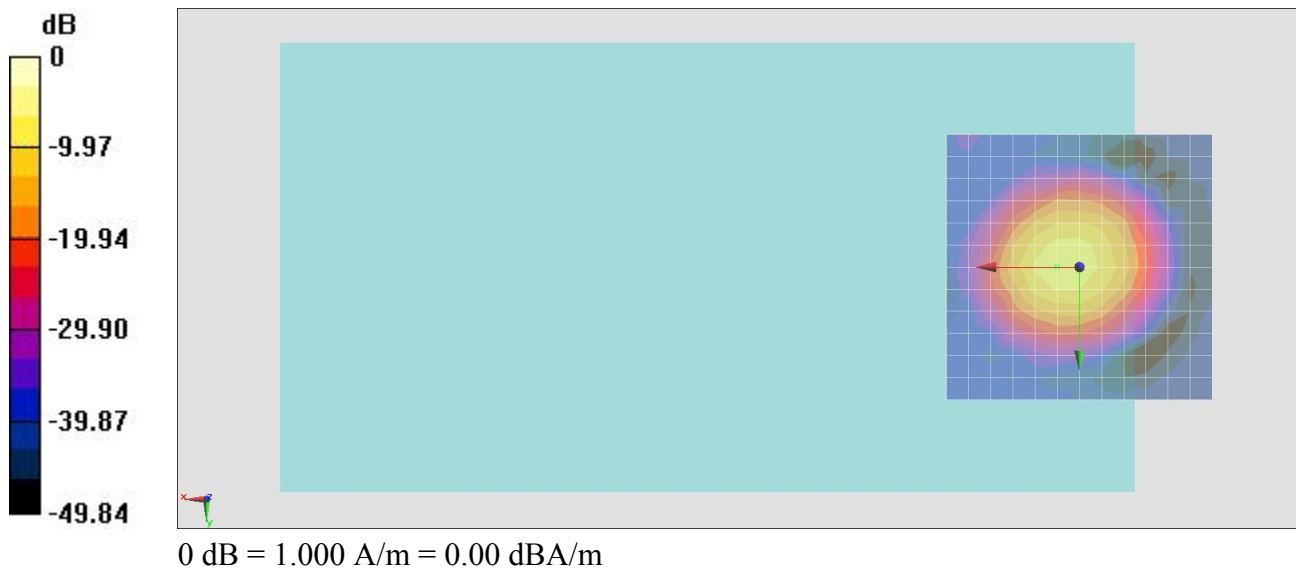
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 40.24 dB

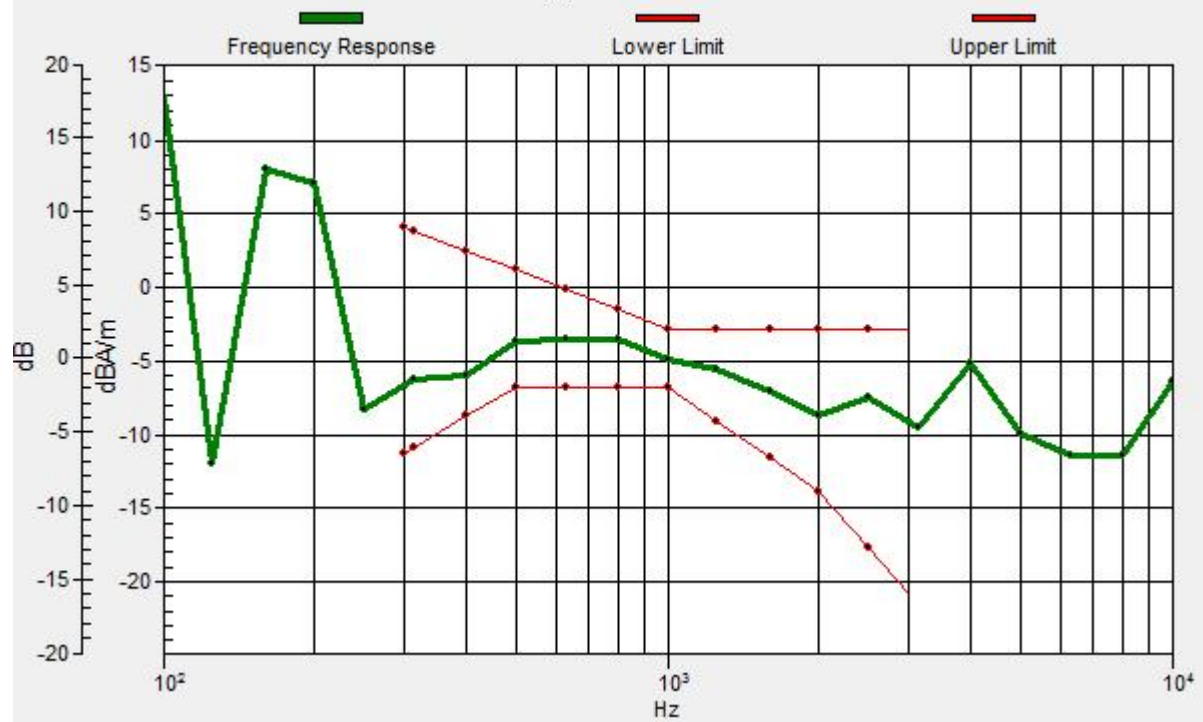
ABM1 comp = -7.62 dBA/m

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



#07_HAC_T-Coil_CDMA2000 BC1_RC1+SO3 Voice codec_8K Enhanced low_Ch600_Transversal (Y)

Communication System: CDMA T-Coil; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

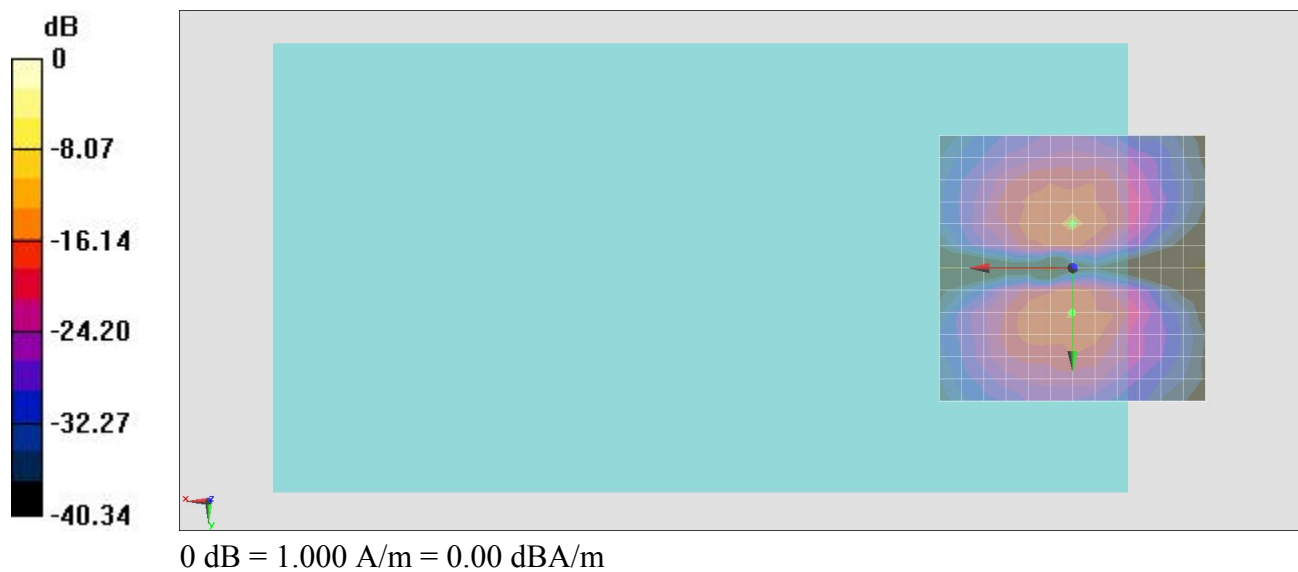
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 32.42 dB

ABM1 comp = -15.65 dBA/m

Location: 0, 8.3, 3.7 mm



**#08_HAC_T-Coil_CDMA2000 BC10_RC1+SO3 Voice codec_8K Enhanced
low_Ch580_Axial (Z)**

Communication System: CDMA T-Coil ; Frequency: 820.5 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

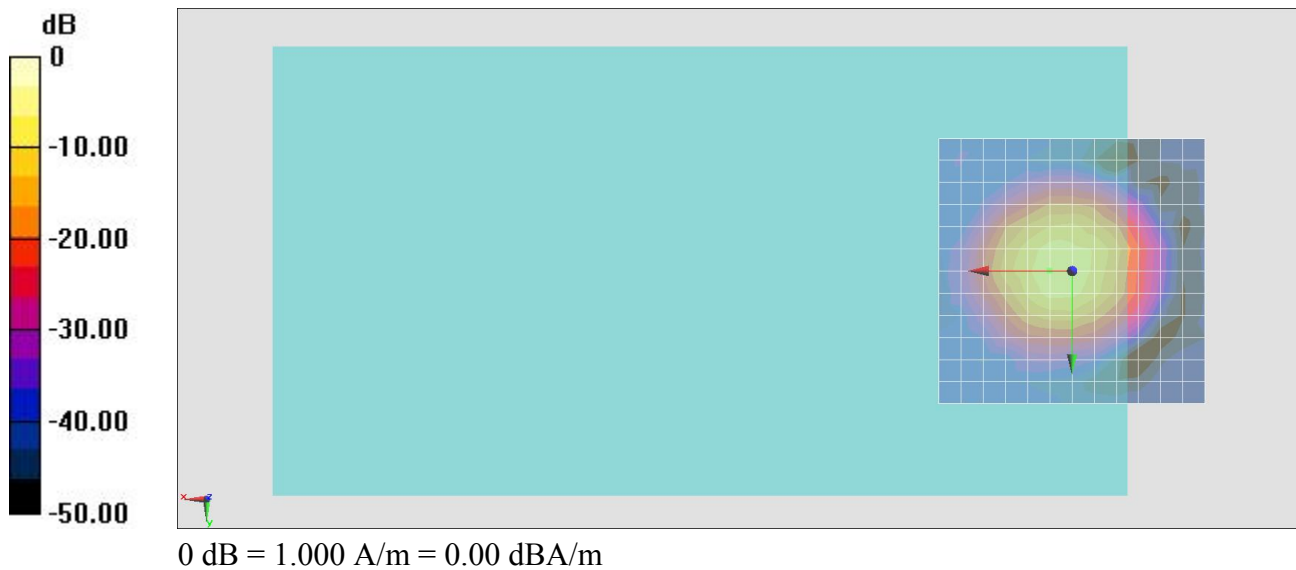
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 40.52 dB

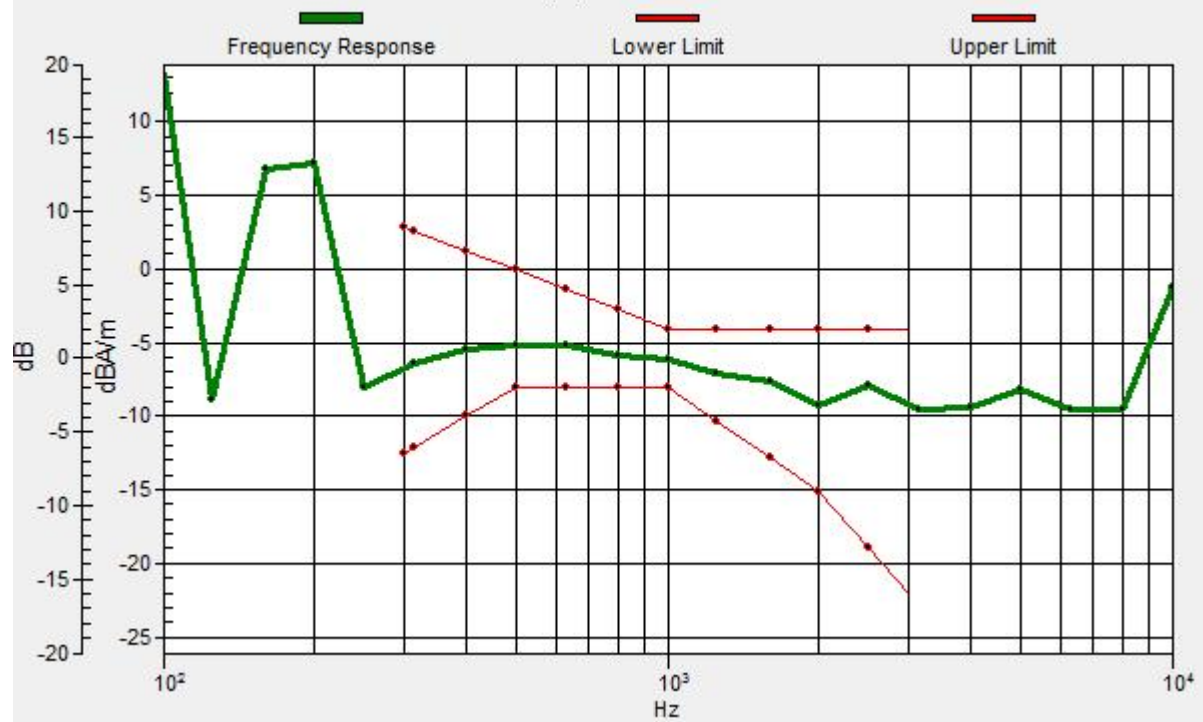
ABM1 comp = -6.63 dBA/m

Location: 4.2, 0, 3.7 mm



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

Loc: 4.2, 0, 3.7 mm Diff: 2dB



#08_HAC_T-Coil_CDMA2000 BC10_RC1+SO3 Voice codec_8K Enhanced low_Ch580_Transversal (Y)

Communication System: CDMA T-Coil ; Frequency: 820.5 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

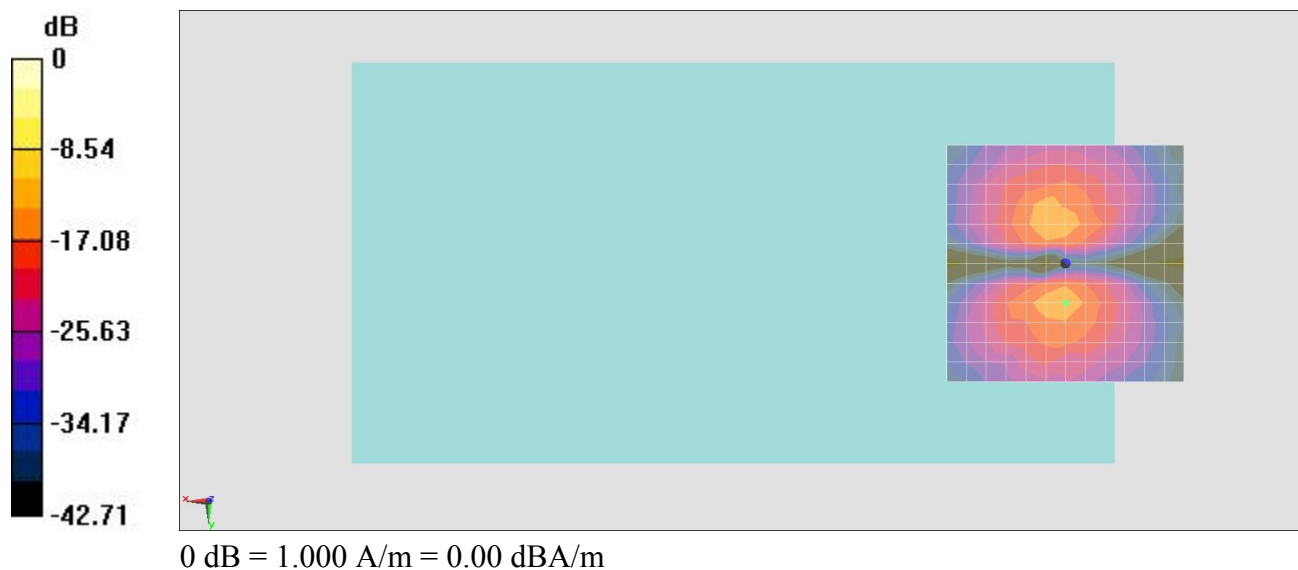
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 34.39 dB

ABM1 comp = -14.41 dBA/m

Location: 0, 8.3, 3.7 mm



**#09_HAC_T-Coil_LTE Band 2_20M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch18900_Axial (Z)**

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

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

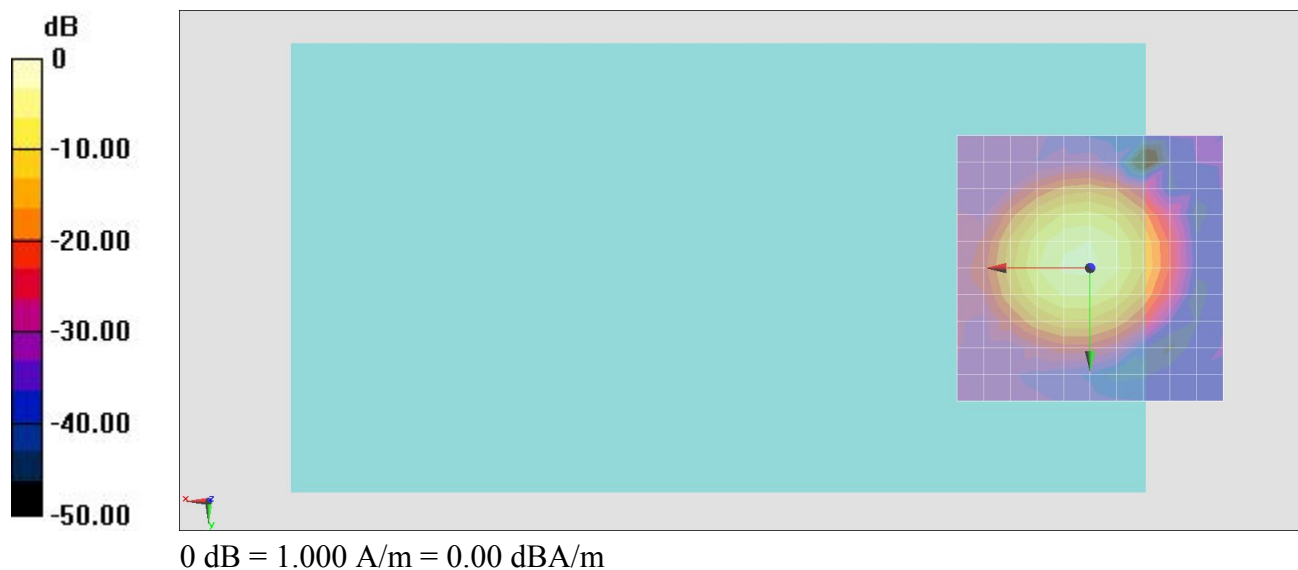
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 44.74 dB

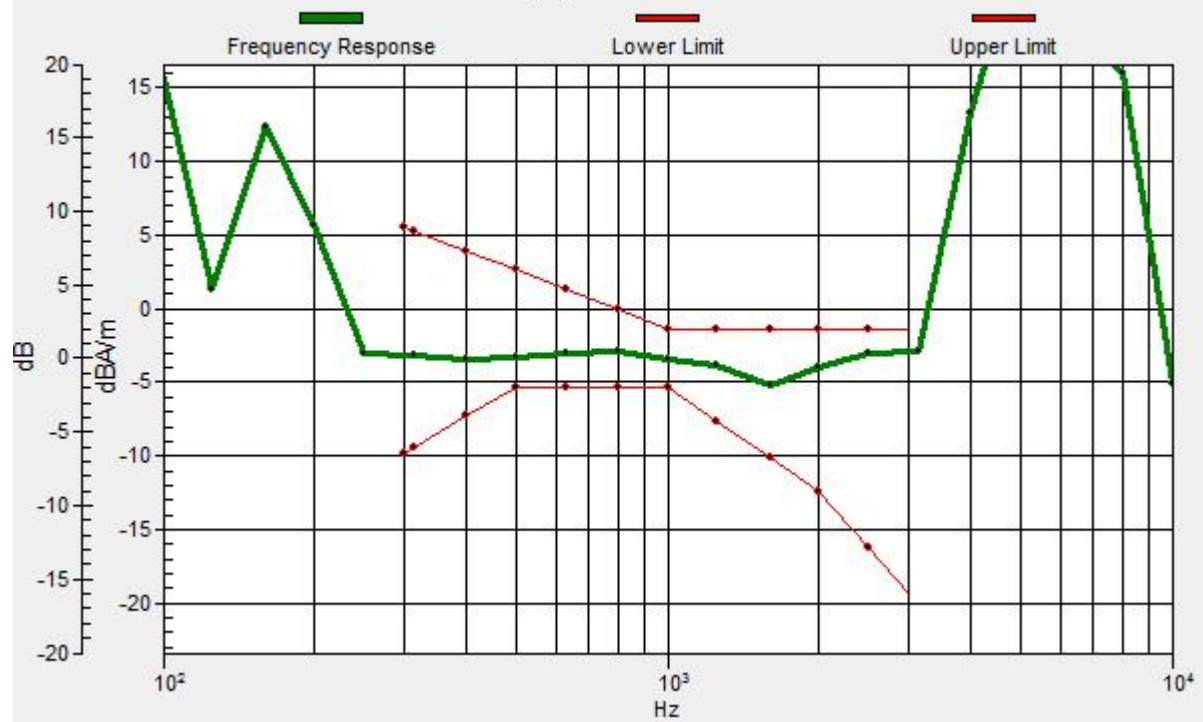
ABM1 comp = -2.34 dBA/m

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: 1.6dB



#09_HAC_T-Coil_LTE Band 2_20M_QPSK_1RB_0offset_WB AMR 23.85Kbps_Ch18900_Transversal (Y)

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

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

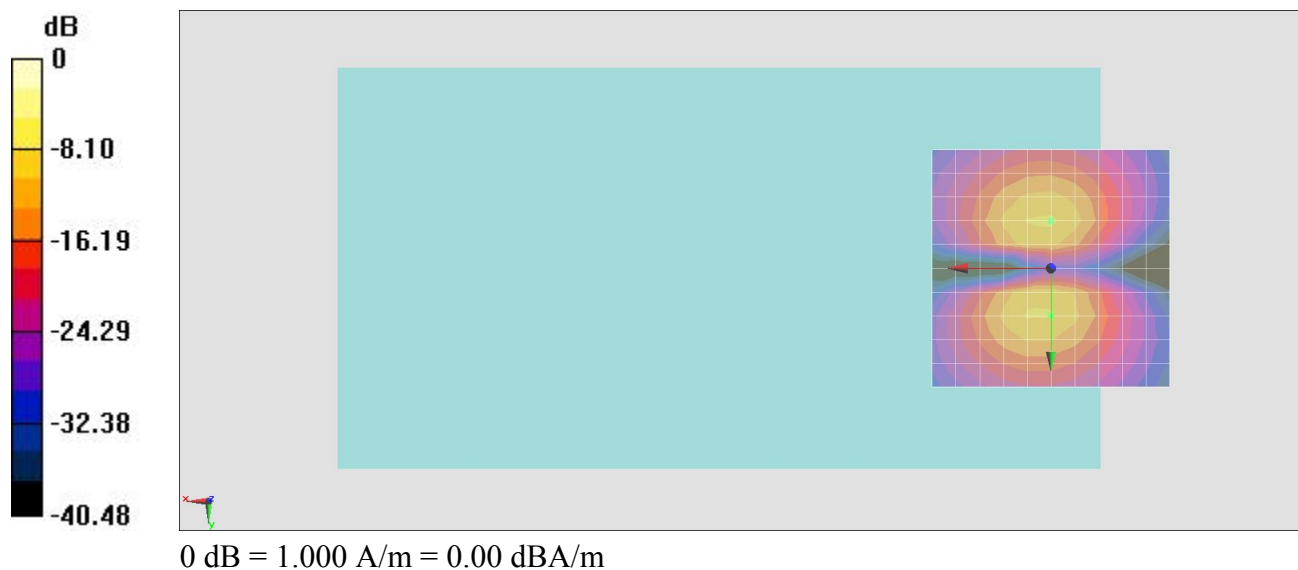
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 36.79 dB

ABM1 comp = -10.54 dBA/m

Location: 0, 10, 3.7 mm



**#10_HAC_T-Coil_LTE Band 4_20M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch20175_Axial (Z)**

Communication System: LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

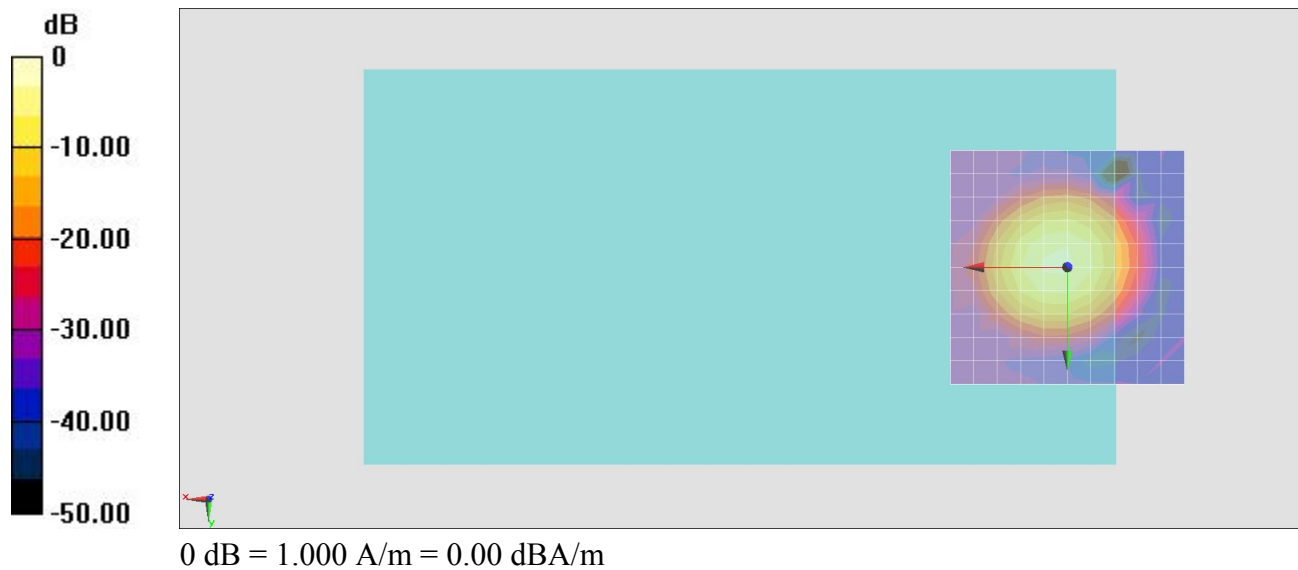
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 43.97 dB

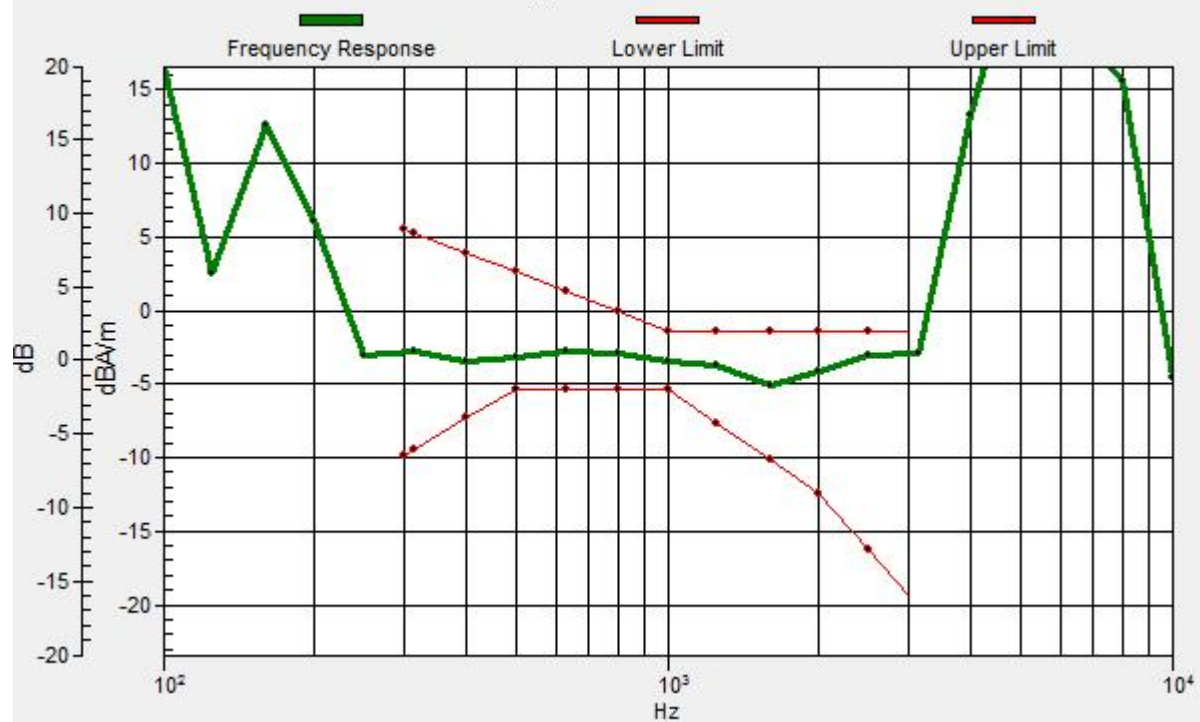
ABM1 comp = -2.32 dBA/m

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: 1.58dB



#10_HAC_T-Coil_LTE Band 4_20M_QPSK_1RB_0offset_WB AMR 23.85Kbps_Ch20175_Transversal (Y)

Communication System: LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

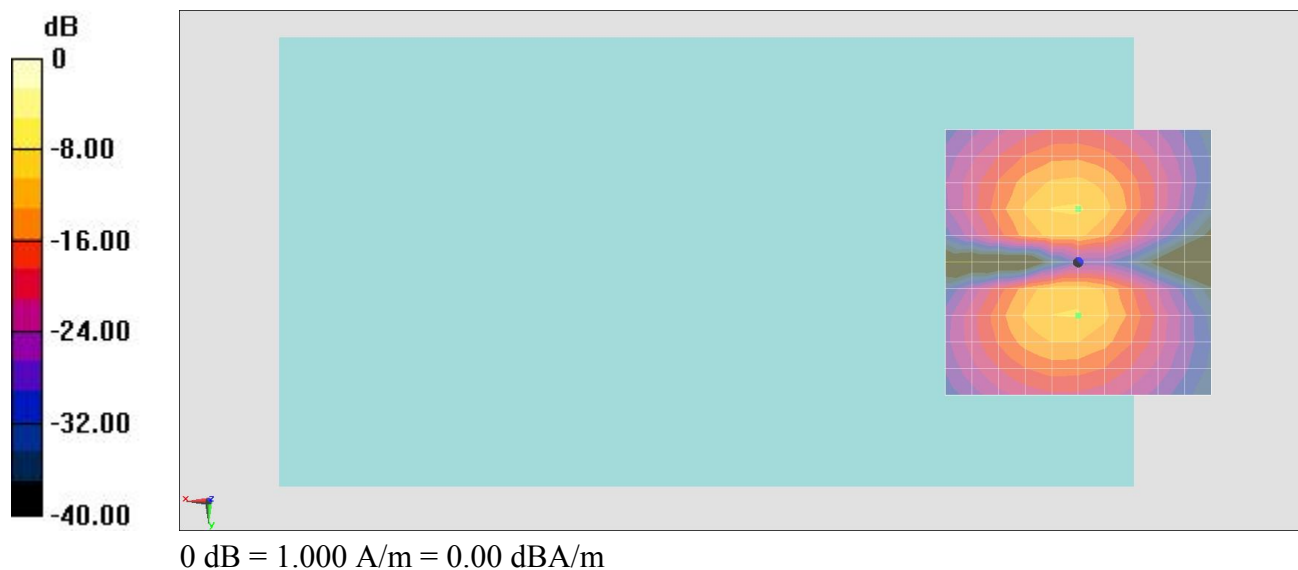
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 36.96 dB

ABM1 comp = -10.39 dBA/m

Location: 0, 10, 3.7 mm



#11_HAC_T-Coil_LTE Band 5_10M_QPSK_1RB_0offset_WB AMR 23.85Kbps_Ch20525_Axial (Z)

Communication System: LTE ; Frequency: 836.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C;

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 44.77 dB

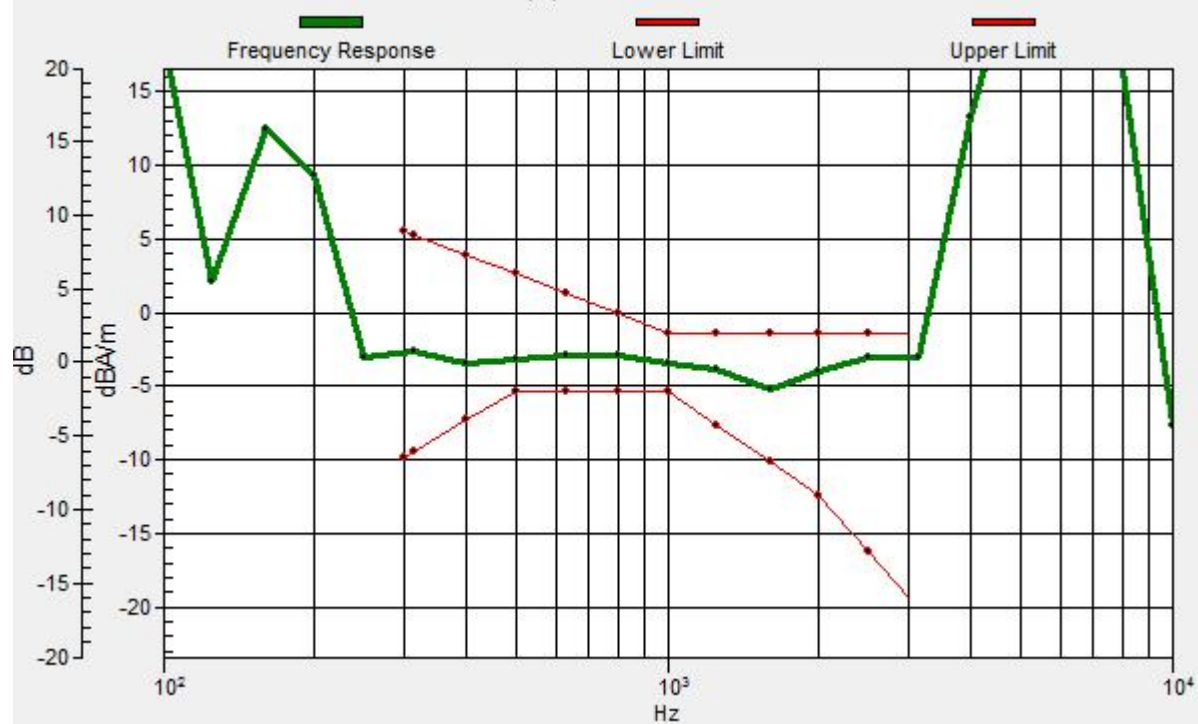
ABM1 comp = -2.36 dBA/m

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: 1.64dB



**#11_HAC_T-Coil_LTE Band 5_10M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch20525_Transversal (Y)**

Communication System: LTE ; Frequency: 836.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

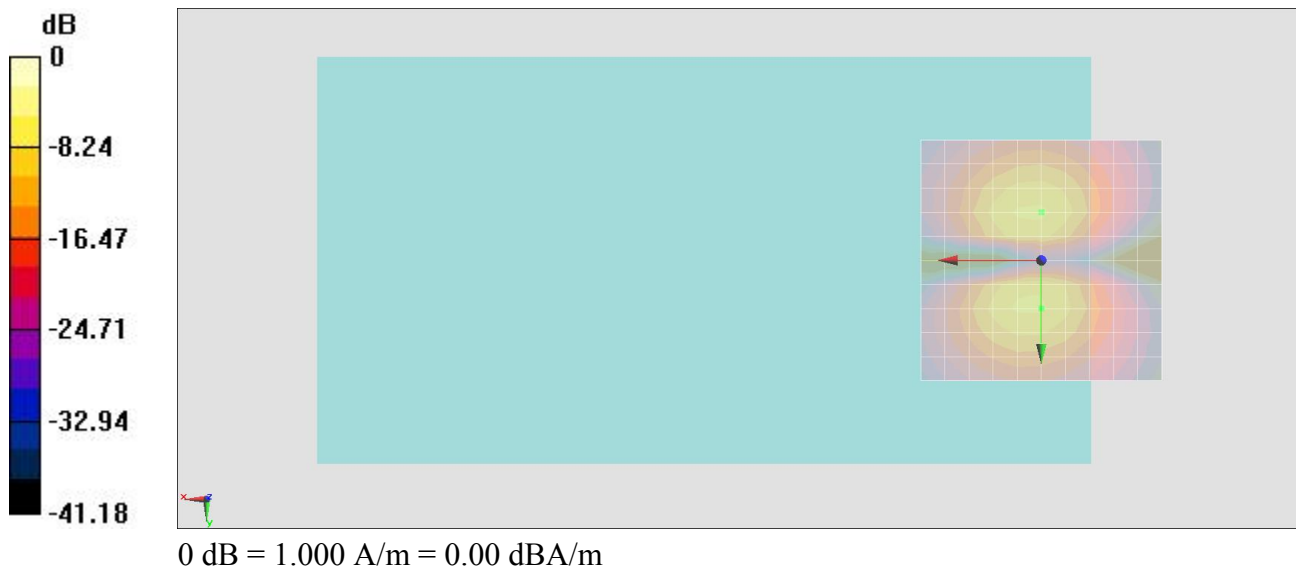
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.16 dB

ABM1 comp = -10.44 dBA/m

Location: 0, 10, 3.7 mm



**#12_HAC_T-Coil_LTE Band 12_10M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch23095_Axial (Z)**

Communication System: LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 44.99 dB

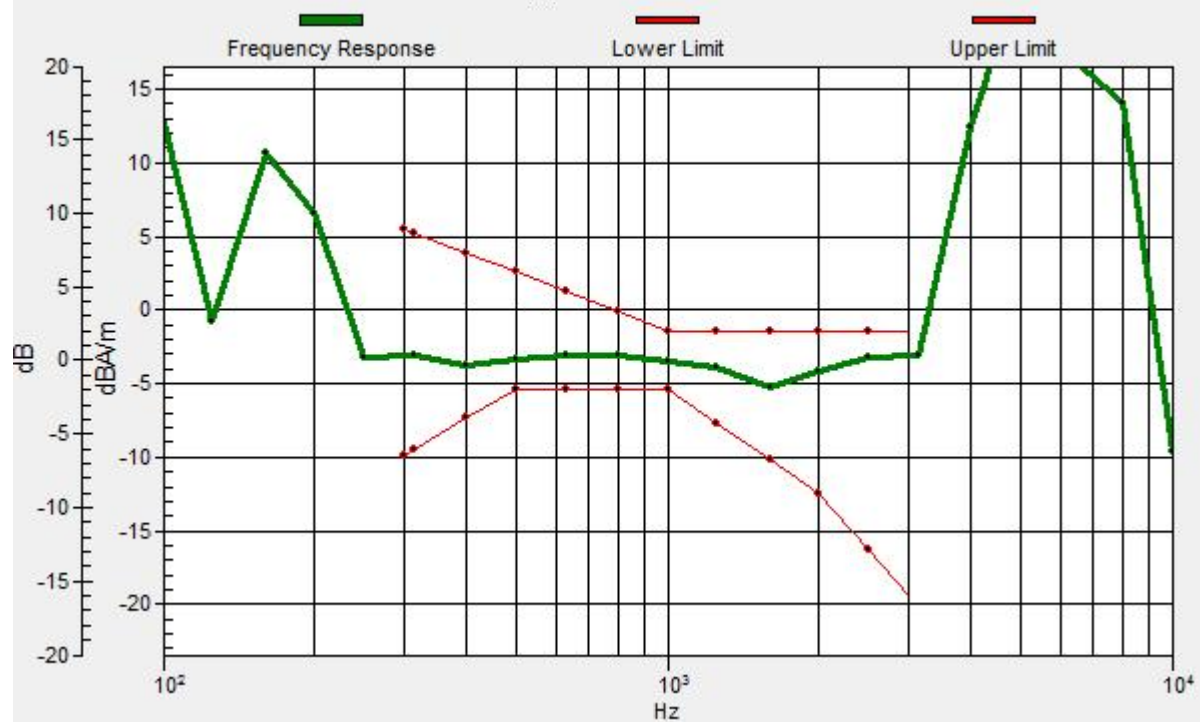
ABM1 comp = -2.52 dBA/m

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: 1.75dB



**#12_HAC_T-Coil_LTE Band 12_10M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch23095_Transversal (Y)**

Communication System: LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

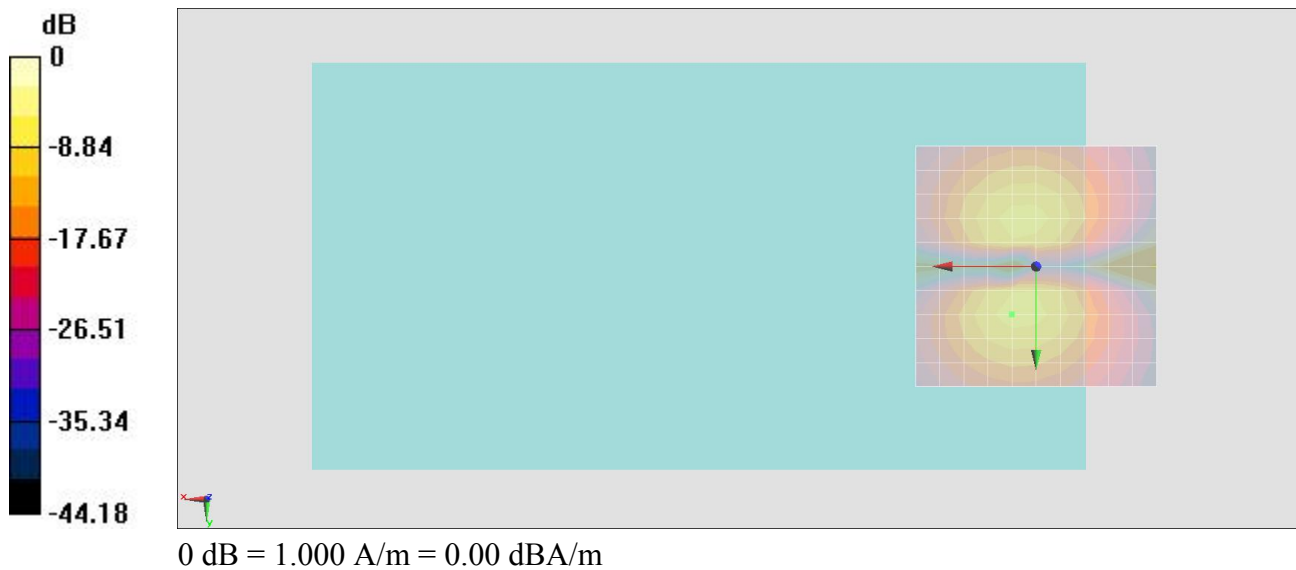
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.07 dB

ABM1 comp = -10.32 dBA/m

Location: 5, 10, 3.7 mm



**#13_HAC_T-Coil_LTE Band 13_10M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch23230_Axial (Z)**

Communication System: LTE ; Frequency: 782 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 46.00 dB

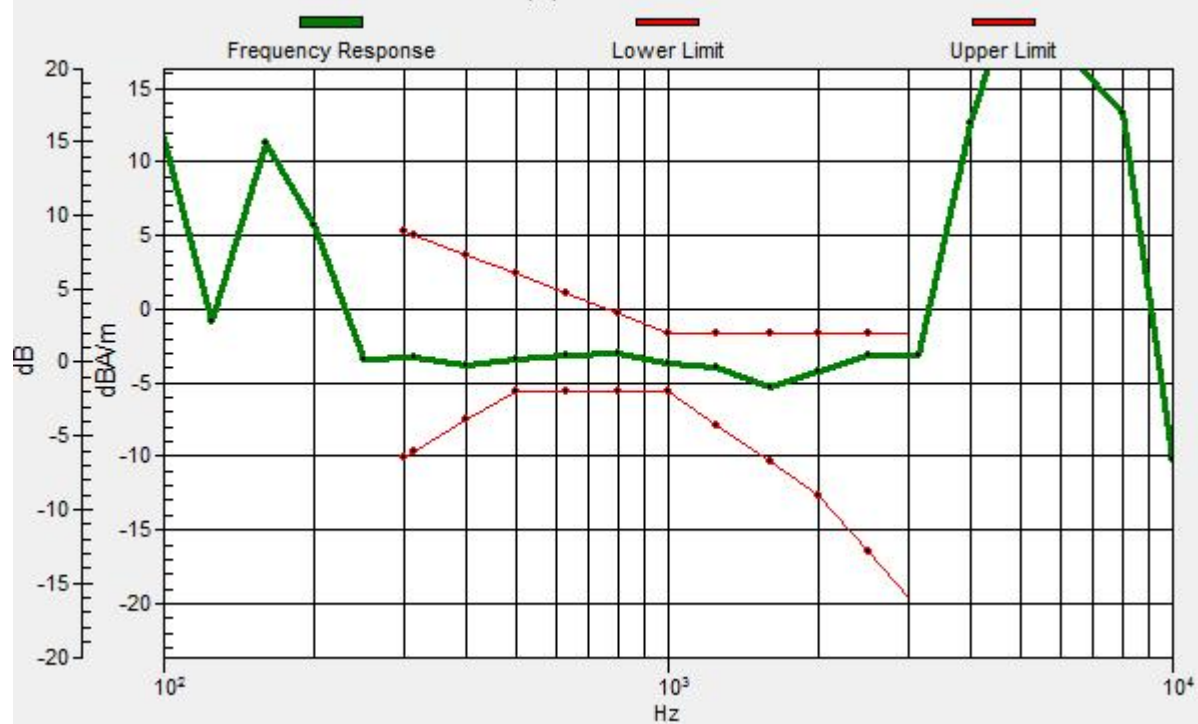
ABM1 comp = -2.46 dBA/m

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: 1.53dB



#13_HAC_T-Coil_LTE Band 13_10M_QPSK_1RB_0offset_WB AMR 23.85Kbps_Ch23230_Transversal (Y)

Communication System: LTE ; Frequency: 782 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.70 dB

ABM1 comp = -10.48 dBA/m

Location: 5, 10, 3.7 mm



**#14_HAC_T-Coil_LTE Band 17_10M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch23790_Axial (Z)**

Communication System: LTE ; Frequency: 710 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 45.47 dB

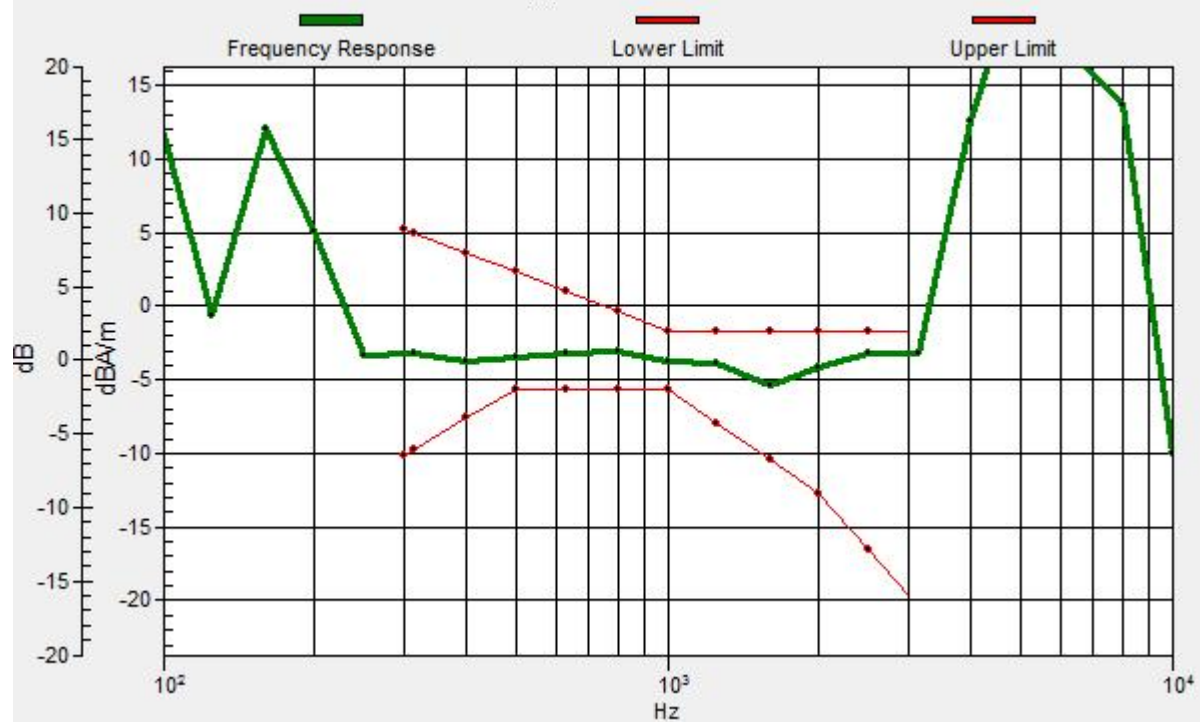
ABM1 comp = -2.43 dBA/m

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: 1.49dB



**#14_HAC_T-Coil_LTE Band 17_10M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch23790_Transversal (Y)**

Communication System: LTE ; Frequency: 710 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

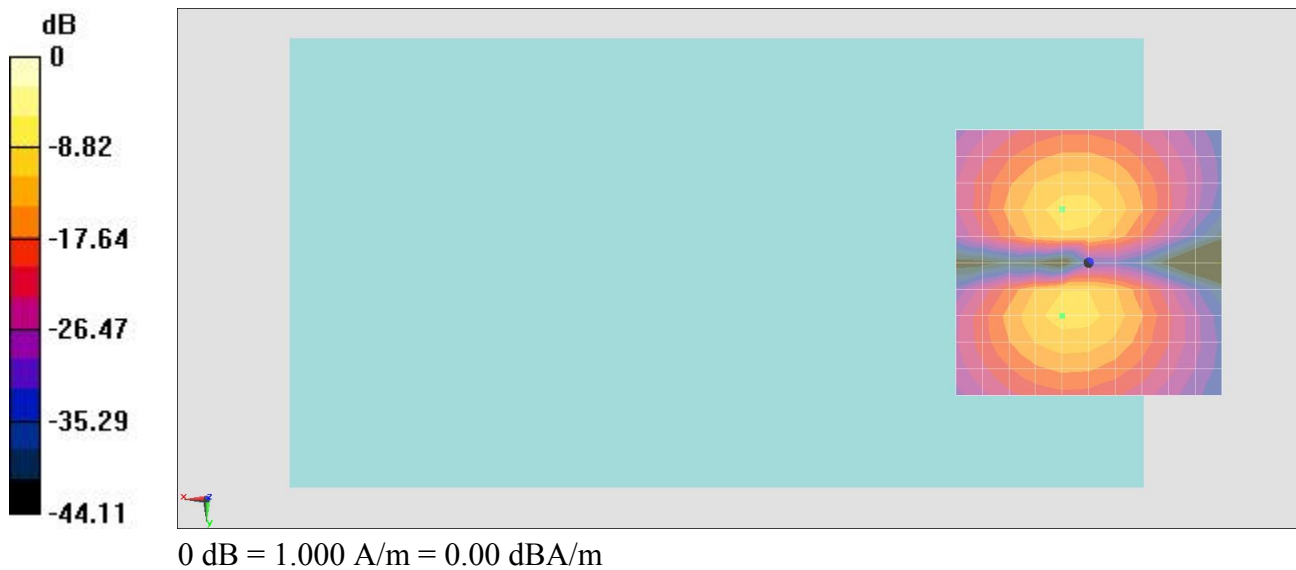
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.76 dB

ABM1 comp = -10.43 dBA/m

Location: 5, 10, 3.7 mm



**#15_HAC_T-Coil_LTE Band 25_20M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch26340_Axial (Z)**

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

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

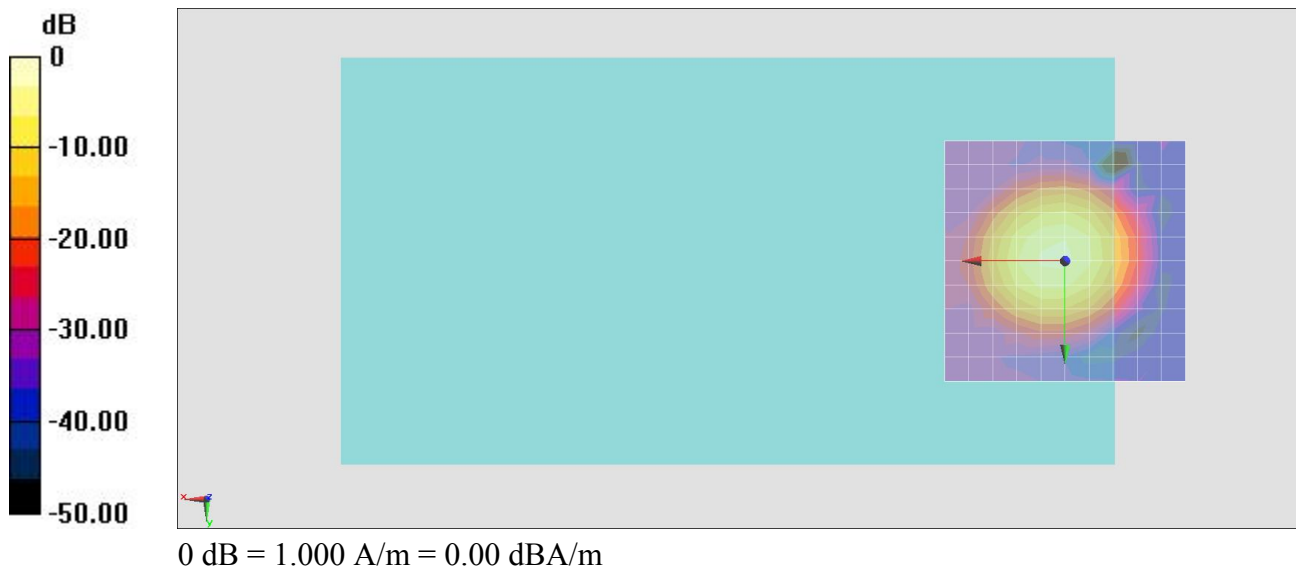
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 45.06 dB

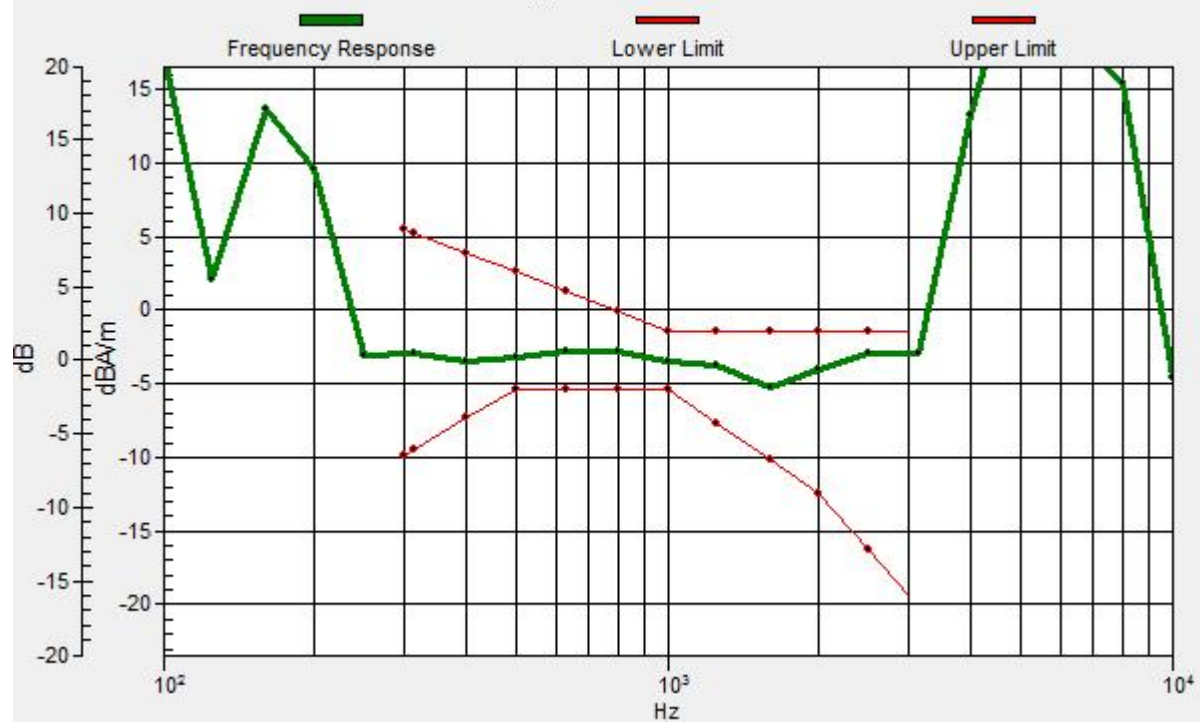
ABM1 comp = -2.18 dBA/m

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: 1.57dB



**#15_HAC_T-Coil_LTE Band 25_20M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch26340_Transversal (Y)**

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

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

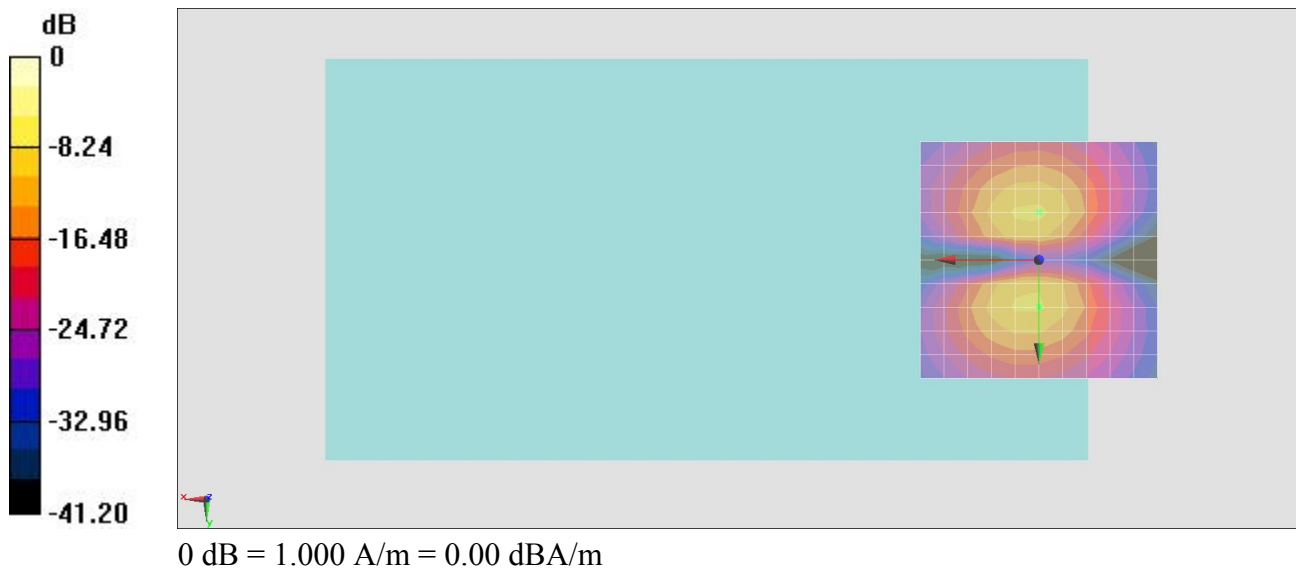
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.64 dB

ABM1 comp = -10.43 dBA/m

Location: 0, 10, 3.7 mm



**#16_HAC_T-Coil_LTE Band 26_15M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch26865_Axial (Z)**

Communication System: LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 44.69 dB

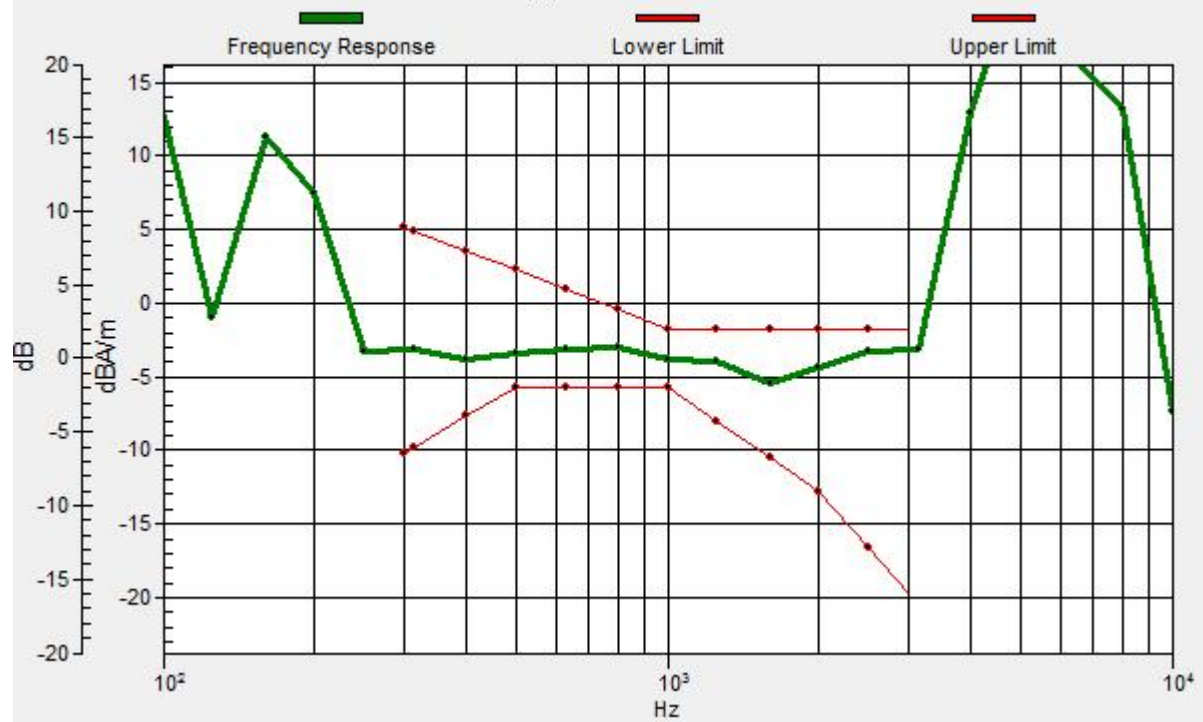
ABM1 comp = -2.53 dBA/m

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: 1.46dB



**#16_HAC_T-Coil_LTE Band 26_15M_QPSK_1RB_0offset_WB AMR
23.85Kbps_Ch26865_Transversal (Y)**

Communication System: LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2015/11/10
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (11x11x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.13 dB

ABM1 comp = -10.63 dBA/m

Location: 0, 10, 3.7 mm

